



## MEASUREMENT REPORT

### FCC PART 15.407

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**FCC ID:** TK4WPJ342

**APPLICANT:** Compex Systems Pte Ltd

**Application Type:** Certification

**Product:** WIRELESS ACCESS POINT

**Model No.:** WPJ342LV, WPJ342HV, MML342LV, MML342HV,  
MMJ342LV, MMJ342HV, MMS342LV, MMS342HV

**Brand Name:** COMPEX

**FCC Classification:** Unlicensed National Information Infrastructure (UNII)

**FCC Rule Part(s):** Part 15.407

**Test Procedure(s):** KDB 789033 D02v01, KDB 662911 D01v02r01

**Test Date:** Aug. 03 ~ 28, 2014

Reviewed By :

*Robin Wu*

( Robin Wu )

Approved By :

*Marlin Chen*

( Marlin Chen )



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 789033 D02v01. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

### Revision History

Report No.	Version	Description	Issue Date
1407RSU04207	Rev. 01	Initial report	08-28-2014

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## §2.1033 General Information

<b>Applicant:</b>	Compex Systems Pte Ltd
<b>Applicant Address:</b>	135, Joo Seng Road, #08-01 Singapore 368363
<b>Manufacturer:</b>	Compex Systems Pte Ltd
<b>Manufacturer Address:</b>	135, Joo Seng Road, #08-01 Singapore 368363
<b>Test Site:</b>	MRT Technology (Suzhou) Co., Ltd
<b>Test Site Address:</b>	D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
<b>MRT FCC Registration No.:</b>	809388
<b>FCC Rule Part(s):</b>	Part 15.407
<b>Model No.:</b>	WPJ342LV, WPJ342HV, MML342LV, MML342HV, MMJ342LV, MMJ342HV, MMS342LV, MMS342HV
<b>FCC ID:</b>	TK4WPJ342
<b>Test Device Serial No.:</b>	N/A <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering
<b>FCC Classification:</b>	Unlicensed National Information Infrastructure (UNII)
<b>Date(s) of Test:</b>	Aug. 03 ~ 28, 2014
<b>Test Report S/N:</b>	1407RSU04207

### Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.
- MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (11384A-1).
- MRT facility is an IC registered (11384A-1) test laboratory with the site description on file at Industry Canada.



# 1. INTRODUCTION

## 1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

## 1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.



## 2. PRODUCT INFORMATION

### 2.1. Equipment Description

Product Name	WIRELESS ACCESS POINT
Model No.	WPJ342LV, WPJ342HV, MML342LV, MML342HV, MMJ342LV, MMJ342HV, MMS342LV, MMS342HV
Power Type	POE input
Frequency Range	For 802.11a/n-HT20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40: 5190~5230MHz, 5755~5795MHz
Maximum Output Power	802.11a: 23.79dBm 802.11n-HT20: 23.45dBm 802.11n-HT40: 22.61dBm
Type of Modulation	802.11a/n: OFDM
Adapter	Power Over Ethernet (Gigabit) Model: HS36-2401250US Input: 100-240V ~ 50/60Hz 1.0A Output: +24V ~ 1.25A

### 2.2. Frequency / Channel Operation

#### Channel List for 802.11a/n-HT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

#### Channel List for 802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

### 2.3. Description of Available Antennas

Antenna Type	Frequency Band (GHz)	Manufacturer	Tx Paths	Max Directional Gain (dBi)
Panel Antenna 1#	5.7 ~ 5.8	Lanbowan Communications Ltd.	2	25
Panel Antenna 2#	5.7 ~ 5.8	Kenbotong Communication LTD	2	19
Panel Antenna 3#	5.7 ~ 5.8	Compex Systems Pte Ltd	2	17
Panel Antenna 4#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	15
Panel Antenna 5#	5.1 ~ 5.8	Kenbotong Communication LTD	2	10
Panel Antenna 6#	5.1 ~ 5.8	Smart Ant Inc	2	7
Panel Antenna 7#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	5
Panel Antenna 8#	5.1 ~ 5.8	Compex Systems Pte Ltd	2	5
Dipole Antenna 1#	5.1 ~ 5.8	Kunshan Wavelink Electronic Co., Ltd.	2	2

Note1: The device didn't support transmit beam-forming mode and Cyclic Delay Diversity (CDD) mode, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note2: For 5150 - 5250MHz band, the device only uses the antenna whose antenna gain is less than 15dBi. So we selected the panel 4# and dipole antenna 1# for all radiated emission testing. For 5725 - 5850MHz band, the device only uses the antenna whose antenna gain is less than 25dBi. So we selected the panel 1# and dipole antenna 1# for all radiated emission testing.

## 2.4. Test Mode

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11n-HT40

## 2.5. Test Software

The test utility software used during testing was “ART2-GUI Version: 2.3”.

Final Power Parameter Value of the test software.

Test Mode	Test Frequency	Power Parameter Value		
		Ant 0	Ant 1	Ant 0 + 1
802.11a	5180	23.0	23.0	--
	5220	23.0	23.0	--
	5240	23.0	23.0	--
	5745	23.0	23.0	--
	5785	23.0	23.0	--
	5825	23.0	23.0	--
802.11n-HT20	5180	23.0	23.0	20.0
	5220	23.0	23.0	20.5
	5240	23.0	23.0	20.0
	5745	23.0	23.0	20.5
	5785	23.0	23.0	20.5
	5825	23.0	23.0	20.0
802.11n-HT40	5190	23.0	23.0	20.0
	5230	23.0	23.0	20.0
	5755	23.0	23.0	20.0
	5795	23.0	23.0	20.0

## 2.6. Device Capabilities

This device contains the following capabilities:

5GHz WLAN (UNII).

**Note:** 5GHz (NII) operation is possible in 20MHz and 40MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz, and detector = peak per the guidance of Section B)2)b) of KDB 789033 D02v01. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

- 802.11a 20MHz Bandwidth – 100%
- 802.11n 20MHz Bandwidth – 100%
- 802.11n 40MHz Bandwidth – 100%

## 2.7. Test Configuration

The **WIRELESS ACCESS POINT FCC ID: TK4WPJ342** was tested per the guidance of KDB 789033 D02v01. ANSI C63.4-2009 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

## 2.8. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

## 2.9. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase.

However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name and FCC ID must be displayed on the device per Section 15.19(a)(5).

Please see attachment for FCC ID label and label location.

### 3. DESCRIPTION OF TEST

#### 3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.4-2009), and the guidance provided in KDB 789033 D02v01 were used in the measurement of the **WIRELESS ACCESS POINT FCC ID: TK4WPJ342**.

**Deviation from measurement procedure.....None**

#### 3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.4-2009 at Clause 4.3.

Line conducted emissions test results are shown in Section 7.10.



### 3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. An MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 0.8 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-width of horn antenna, the horn antenna should be always directed to the EUT when rising height.



## 4. ANTENNA REQUIREMENTS

### Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the WIRELESS ACCESS POINT uses a unique connector.

Antenna Type	Antenna Connector Type
Panel Antenna 1#	Inverted connector
Panel Antenna 2#	Inverted connector
Panel Antenna 3#	IPEX connector
Panel Antenna 4#	IPEX connector
Panel Antenna 5#	Inverted threaded connector
Panel Antenna 6#	Inverted threaded connector
Panel Antenna 7#	IPEX connector
Panel Antenna 8#	IPEX connector
Dipole Antenna 1#	Inverted connector

### Conclusion:

The **WIRELESS ACCESS POINT FCC ID: TK4WPJ342** unit complies with the requirement of §15.203.

## 5. TEST EQUIPMENT CALIBRATION DATA

### Conducted Emissions

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	101209	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101683	1 year	2014/11/08
Two-Line V-Network	R&S	ENV216	101684	1 year	2014/11/08
Temperature/ Meter Humidity	Anymetre	TH101B	SR2-01	1 year	2014/11/15

### Radiated Emission

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	E4447A	MY45300136	1 year	2014/11/18
EMI Test Receiver	R&S	ESR7	101209	1 year	2014/11/08
Preamplifier	MRT	AP01G18	1310002	1 year	2014/10/07
Preamplifier	MRT	AP18G40	1310001	1 year	2014/10/07
Loop Antenna	Schwarzbeck	FMZB1519	1519-041	1 year	2014/11/24
TRILOG Antenna	Schwarzbeck	VULB9162	9162-047	1 year	2014/11/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1167	1 year	2014/11/24
Broadband Horn Antenna	Schwarzbeck	BBHA9170	9170-549	1 year	2014/12/11
Temperature/Humidity Meter	Anymetre	TH101B	AC1-01	1 year	2014/11/15

### Conducted Test Equipment

Instrument	Manufacturer	Type No.	Serial No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Agilent	N9010A	MY5144016A	1 year	2015/01/04
Power Sensor	Agilent	U2021XA	MY52450003	1 year	2014/12/14
Temperature & Humidity Chamber	BAOYT	BYH-1500L	1309W043	1 year	2014/11/20
Temperature/Humidity Meter	Anymetre	TH101B	TR3-01	1 year	2014/11/15

## 6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ): 150kHz~30MHz: $\pm 3.46\text{dB}$
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ): 9kHz ~ 1GHz: $\pm 4.18\text{dB}$ 1GHz ~ 40GHz: $\pm 4.76\text{dB}$

## 7. TEST RESULT

### 7.1. Summary

**Company Name:** Compex Systems Pte Ltd  
**FCC ID:** TK4WPJ342  
**FCC Classification:** Unlicensed National Information Infrastructure (UNII)  
**Data Rate(s) Tested:** 6Mbps ~ 54Mbps (a);  
6.5Mbps ~ 130Mbps (n-HT20MHz BW);  
13.5Mbps ~ 270Mbps (n-HT40MHz BW);

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Pass	Section 7.2
15.407(e)	6dB Bandwidth	$\geq 500\text{kHz}$		Pass	Section 7.3
15.407(a)(1)(iii), (3)	Maximum Conducted Output Power	$< 30\text{ dBm U-NII-1}$ $< 30\text{ dBm U-NII-3}$		Pass	Section 7.4
15.407(h)(1)	Transmit Power Control	$< 24\text{ dBm}$		Pass	Section 7.5
15.407(a)(1)(iii), (3), (5)	Peak Power Spectral Density	$< 17\text{ dBm/MHz U-NII-1}$ $< 30\text{ dBm/MHz U-NII-3}$		Pass	Section 7.6
15.407(g)	Frequency Stability	N/A		Pass	Section 7.7
15.407(b)(1), (4)	Undesirable Emissions	$< -27\text{dBm/MHz EIRP}$ $< -17\text{dBm/MHz EIRP}$	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	$< \text{FCC 15.207 limits}$	Line Conducted	Pass	Section 7.10

Notes:

- 1) All channels, modes, and modulations/data rates were investigated among all UNII bands. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

## 7.2. 26dB Bandwidth Measurement

### 7.2.1. Test Limit

N/A

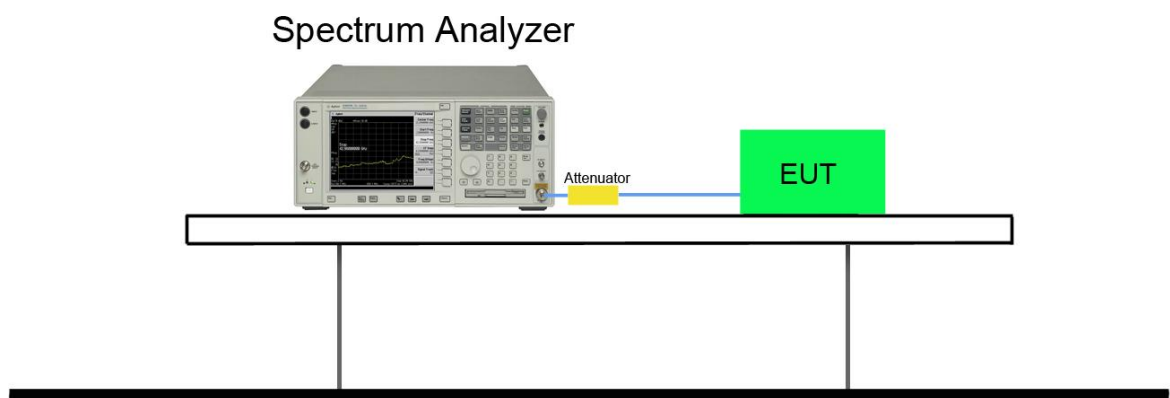
### 7.2.2. Test Procedure used

KDB 789033 D02v01 – Section C.1

### 7.2.3. Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 26$ . The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3.  $VBW \geq 3 \times RBW$ .
4. Detector = Peak.
5. Trace mode = max hold.

### 7.2.4. Test Setup



### 7.2.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result
Ant 0						
802.11a	6	36	5180	24.01	16.78	Pass
802.11a	6	44	5220	24.41	16.91	Pass
802.11a	6	48	5240	25.38	16.90	Pass
802.11a	6	149	5745	25.48	16.91	Pass
802.11a	6	157	5785	25.35	16.98	Pass
802.11a	6	165	5825	25.13	16.91	Pass
802.11n-HT20	6.5	36	5180	25.31	17.97	Pass
802.11n-HT20	6.5	44	5220	25.63	18.02	Pass
802.11n-HT20	6.5	48	5240	26.09	18.00	Pass
802.11n-HT20	6.5	149	5745	25.39	18.00	Pass
802.11n-HT20	6.5	157	5785	25.78	18.02	Pass
802.11n-HT20	6.5	165	5825	25.28	17.96	Pass
802.11n-HT40	13.5	38	5190	49.72	36.50	Pass
802.11n-HT40	13.5	46	5230	48.39	36.51	Pass
802.11n-HT40	13.5	151	5755	47.93	36.51	Pass
802.11n-HT40	13.5	159	5795	50.72	36.53	Pass
Ant 1						
802.11a	6	36	5180	26.67	17.15	Pass
802.11a	6	44	5220	26.22	17.09	Pass
802.11a	6	48	5240	26.84	17.05	Pass
802.11a	6	149	5745	25.54	16.89	Pass
802.11a	6	157	5785	25.01	16.91	Pass
802.11a	6	165	5825	25.33	16.91	Pass
802.11n-HT20	6.5	36	5180	25.42	17.99	Pass
802.11n-HT20	6.5	44	5220	25.92	18.05	Pass
802.11n-HT20	6.5	48	5240	26.69	18.14	Pass
802.11n-HT20	6.5	149	5745	26.34	18.03	Pass
802.11n-HT20	6.5	157	5785	26.16	17.96	Pass
802.11n-HT20	6.5	165	5825	25.66	18.01	Pass
802.11n-HT40	13.5	38	5190	47.86	36.56	Pass
802.11n-HT40	13.5	46	5230	49.53	36.56	Pass
802.11n-HT40	13.5	151	5755	48.72	36.58	Pass

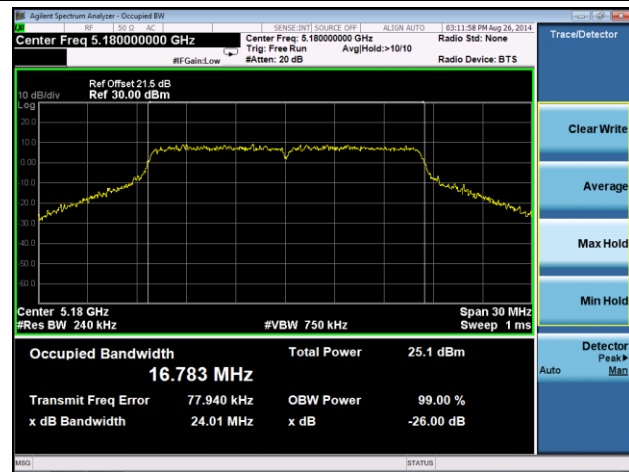


802.11n-HT40	13.5	159	5795	48.16	36.49	Pass
--------------	------	-----	------	-------	-------	------

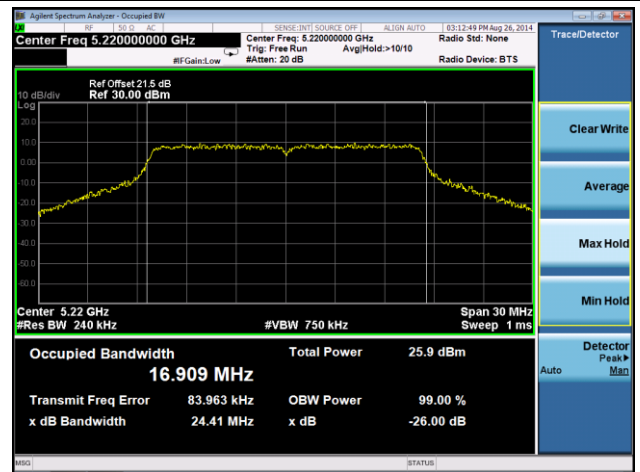


# 802.11a 26dB Bandwidth & 99% Bandwidth - Ant 0

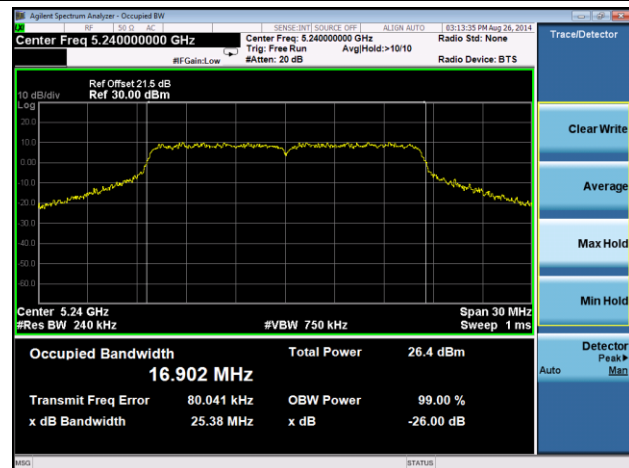
## Channel 36 (5180MHz)



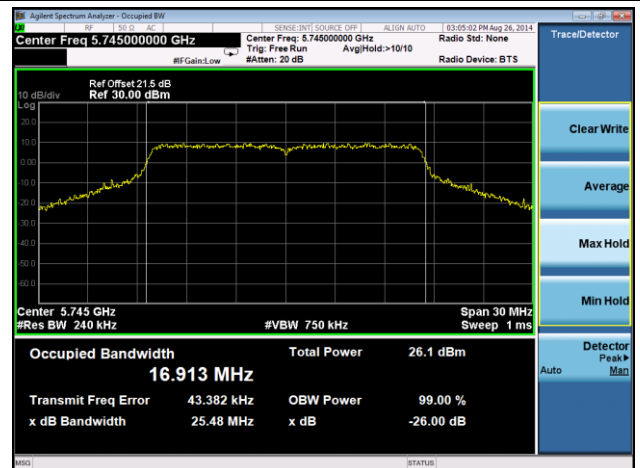
## Channel 44 (5220MHz)



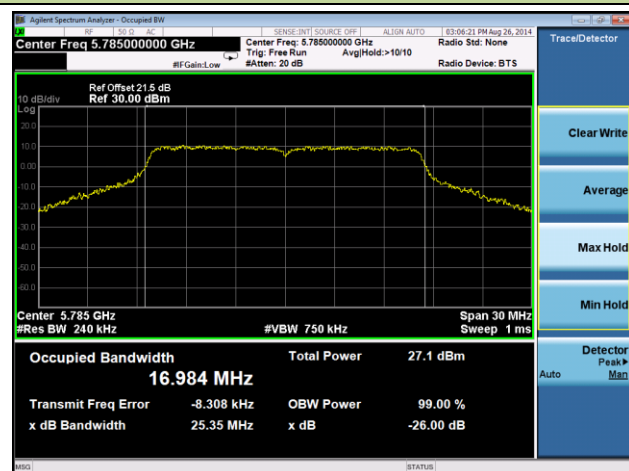
## Channel 48 (5240MHz)



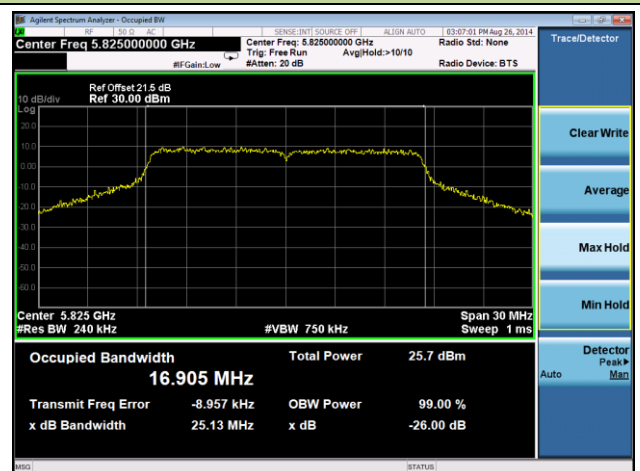
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

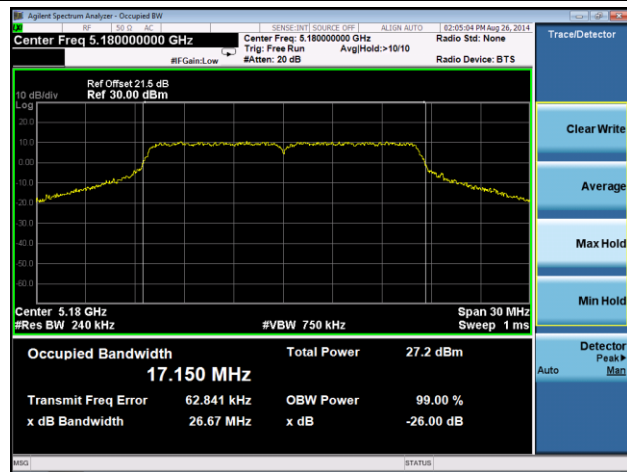


## Channel 165 (5825MHz)

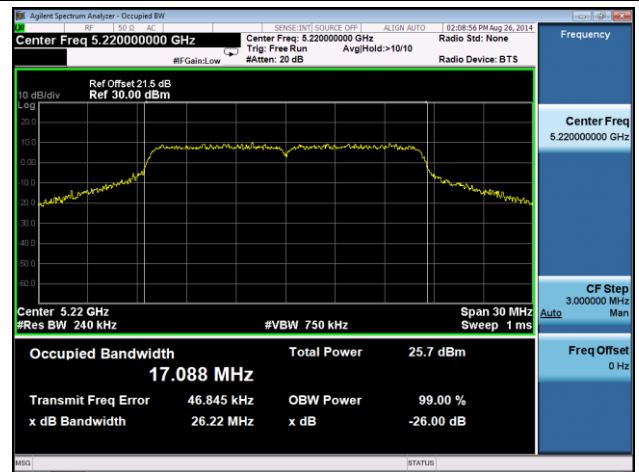


# 802.11a 26dB Bandwidth & 99% Bandwidth - Ant 1

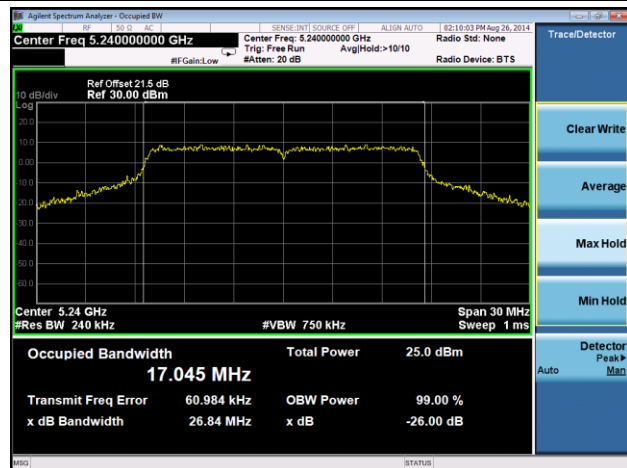
## Channel 36 (5180MHz)



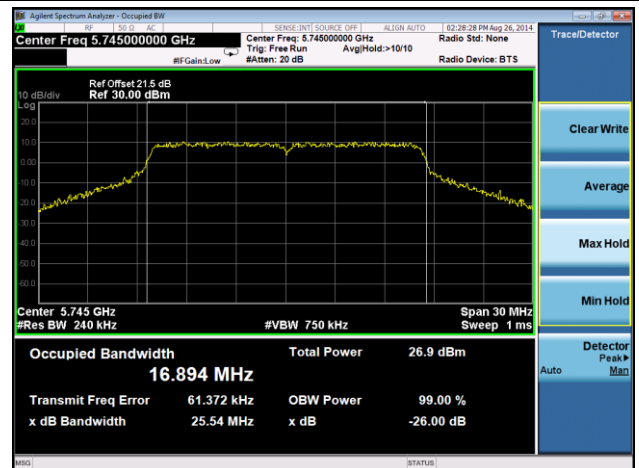
## Channel 44 (5220MHz)



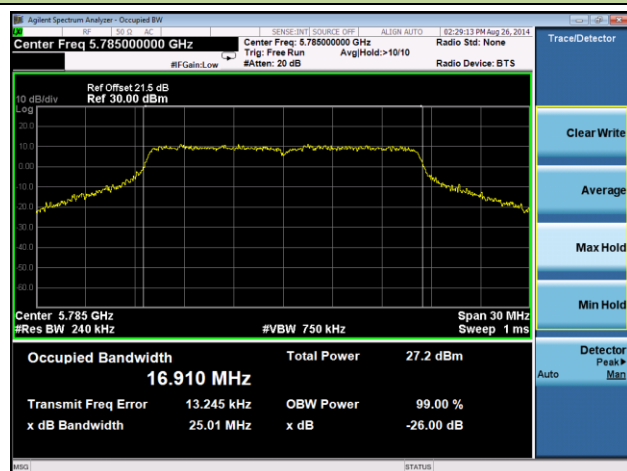
## Channel 48 (5240MHz)



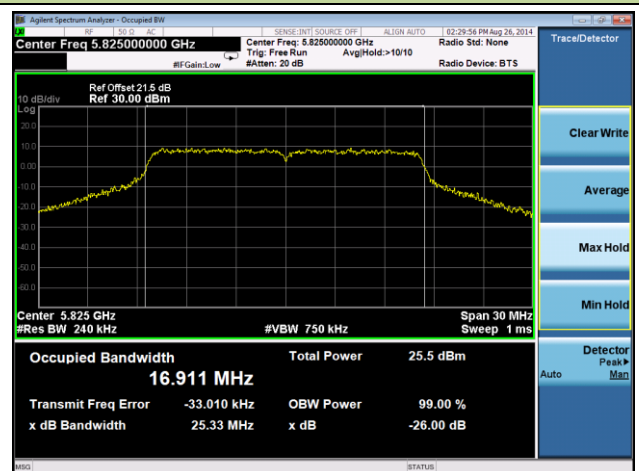
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

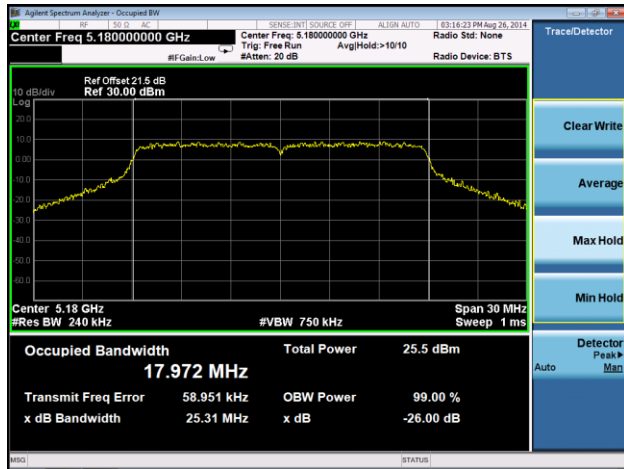


## Channel 165 (5825MHz)

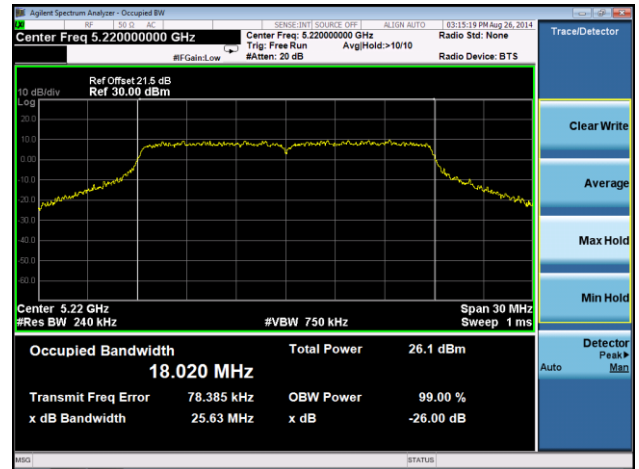


# 802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 0

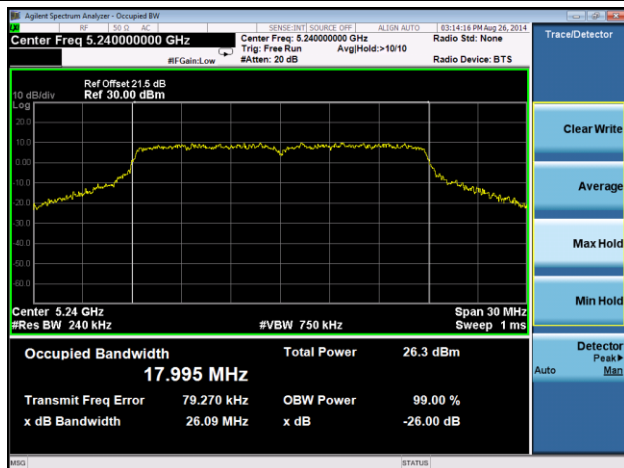
## Channel 36 (5180MHz)



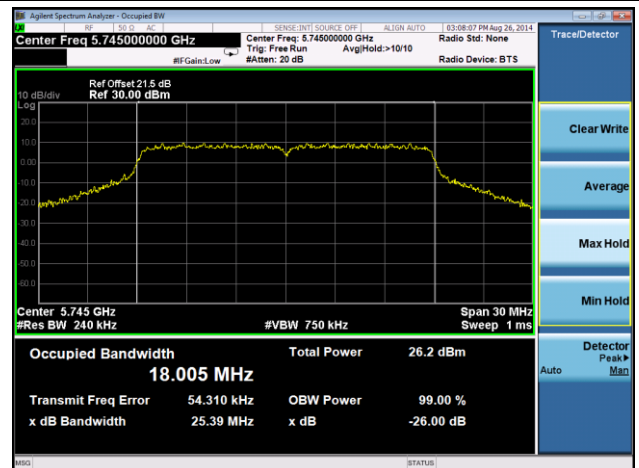
## Channel 44 (5220MHz)



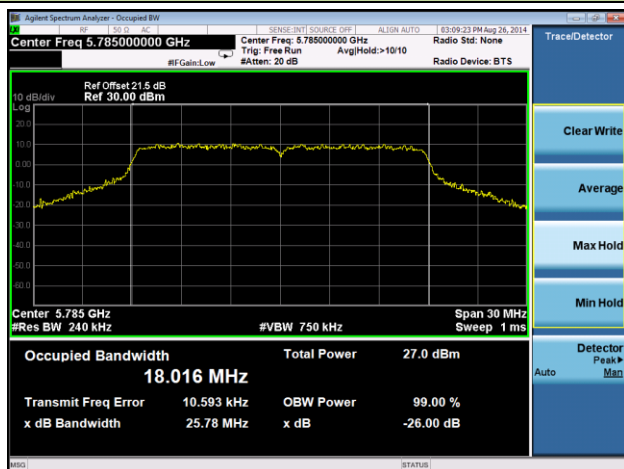
## Channel 48 (5240MHz)



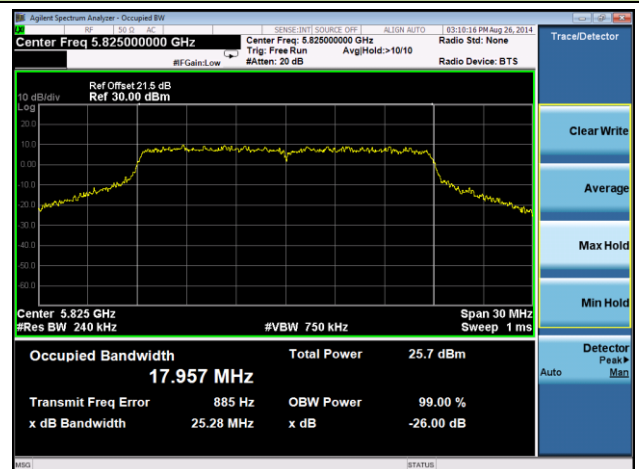
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

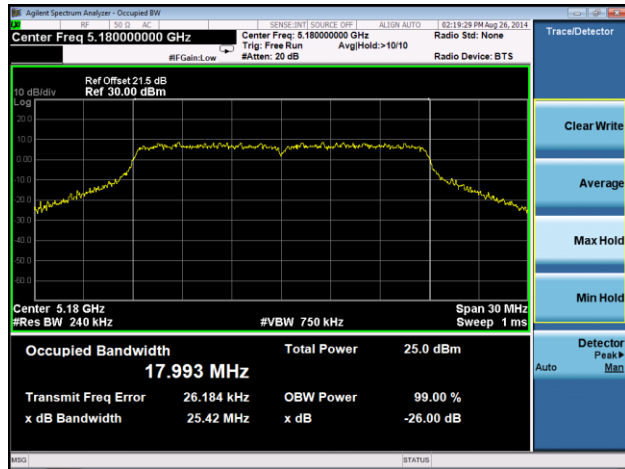


## Channel 165 (5825MHz)

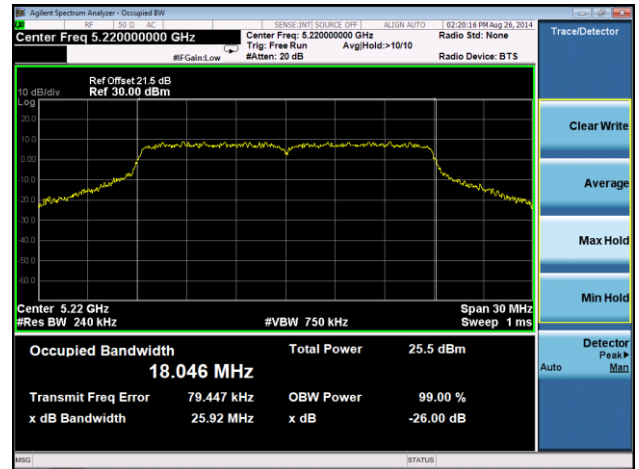


# 802.11n-HT20 26dB Bandwidth & 99% Bandwidth - Ant 1

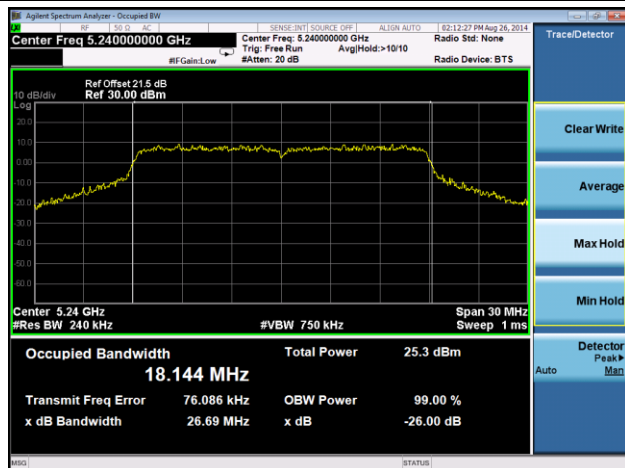
## Channel 36 (5180MHz)



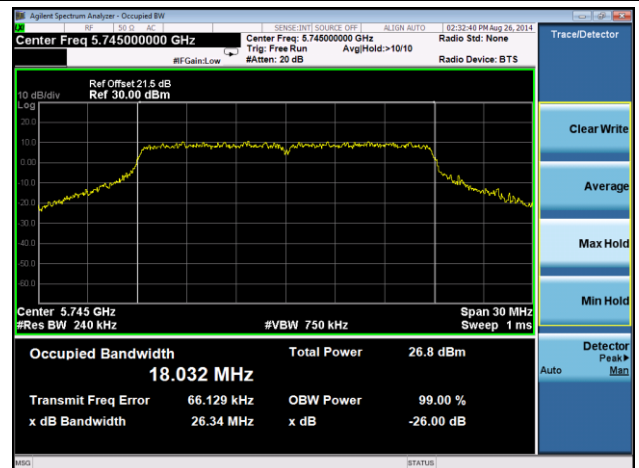
## Channel 44 (5220MHz)



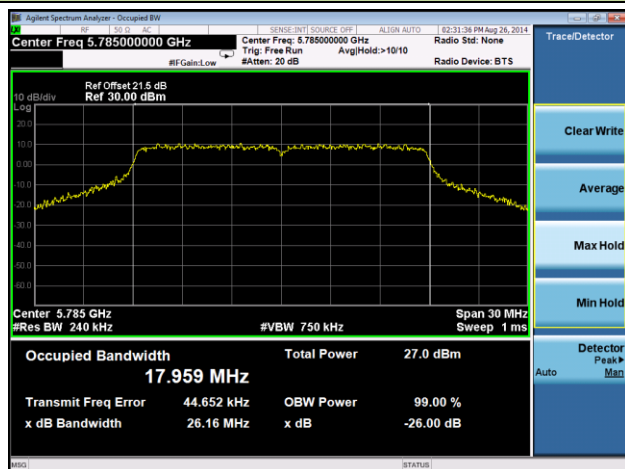
## Channel 48 (5240MHz)



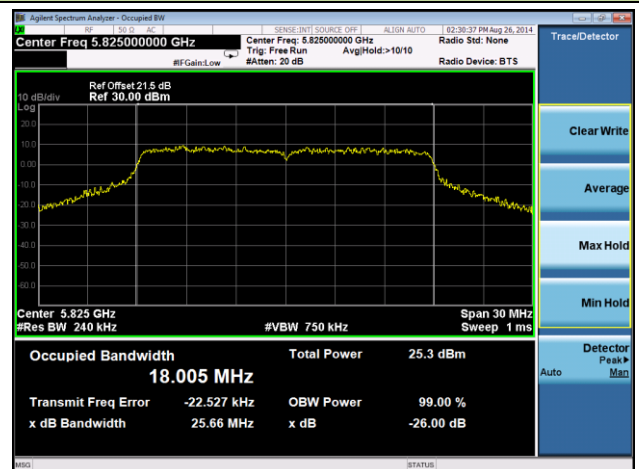
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

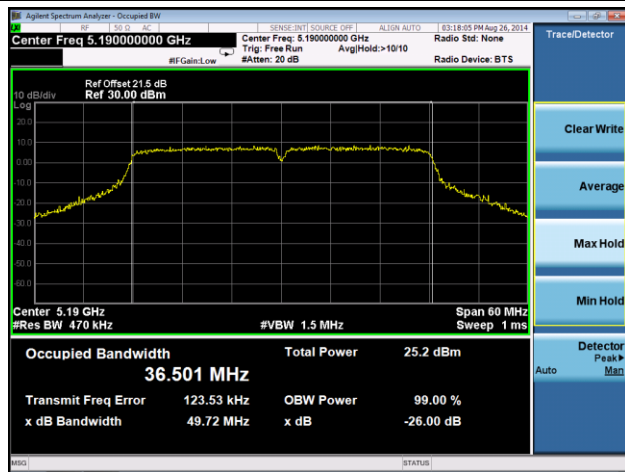


## Channel 165 (5825MHz)

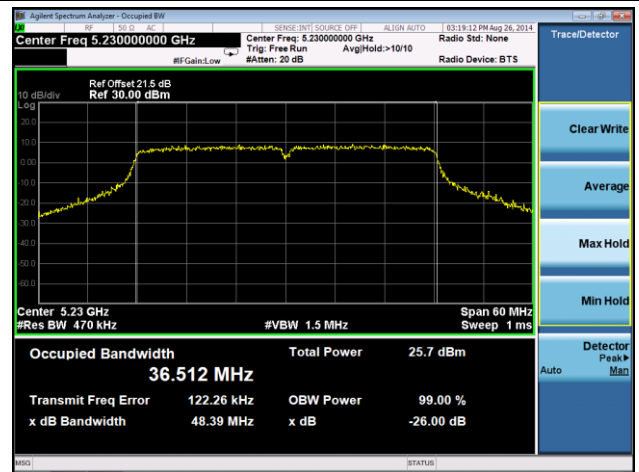


## 802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 0

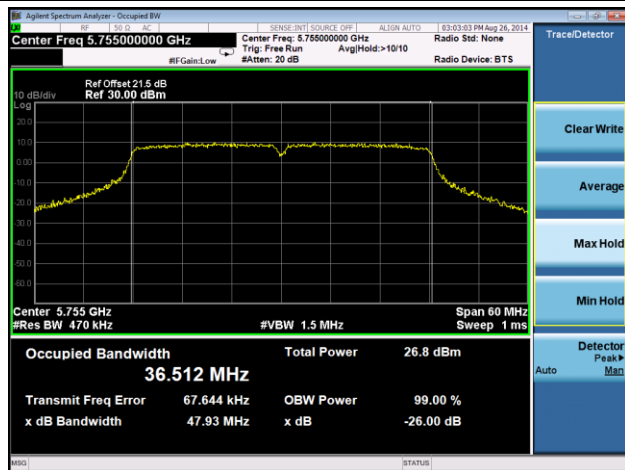
### Channel 38 (5190MHz)



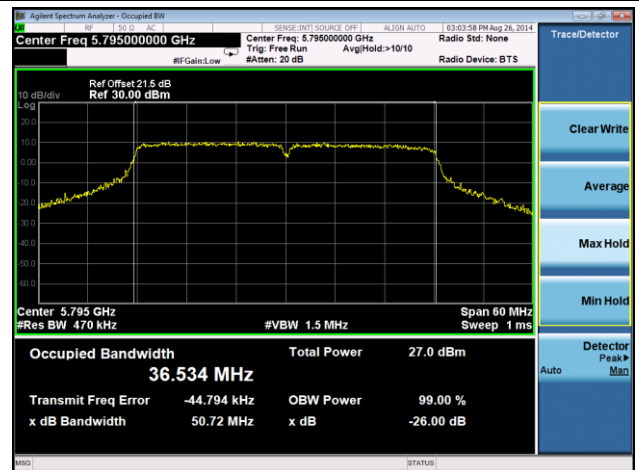
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)



### Channel 159 (5795MHz)

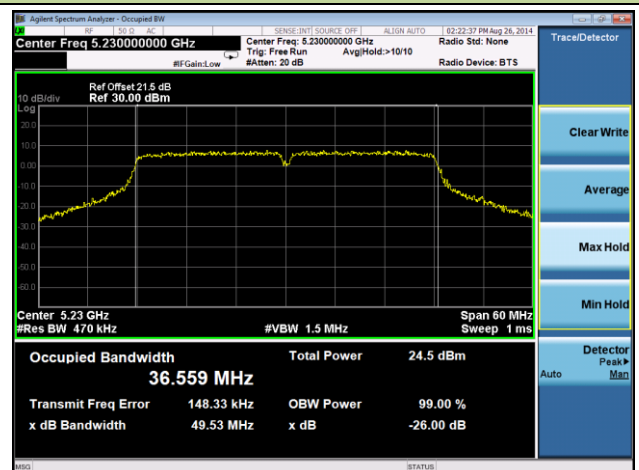


## 802.11n-HT40 26dB Bandwidth & 99% Bandwidth - Ant 1

### Channel 38 (5190MHz)

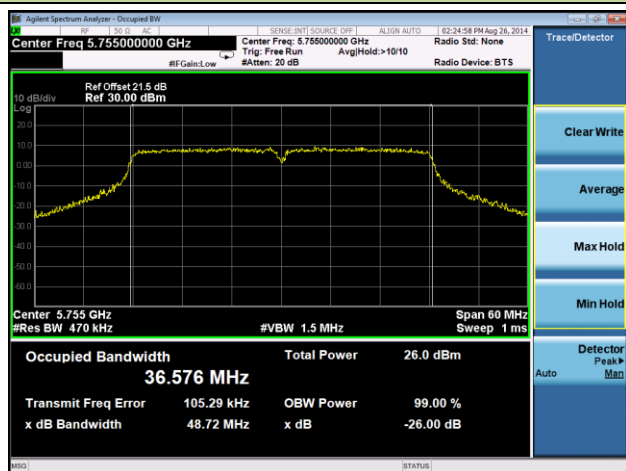


### Channel 46 (5230MHz)

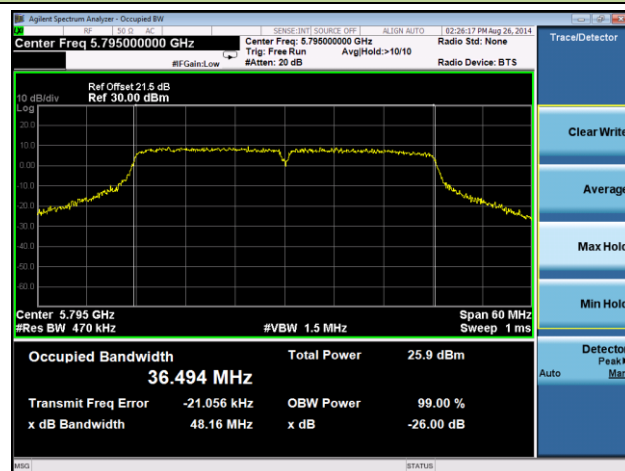




### Channel 151 (5755 MHz)



### Channel 159 (5795 MHz)



### 7.3. 6dB Bandwidth Measurement

#### 7.3.1. Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

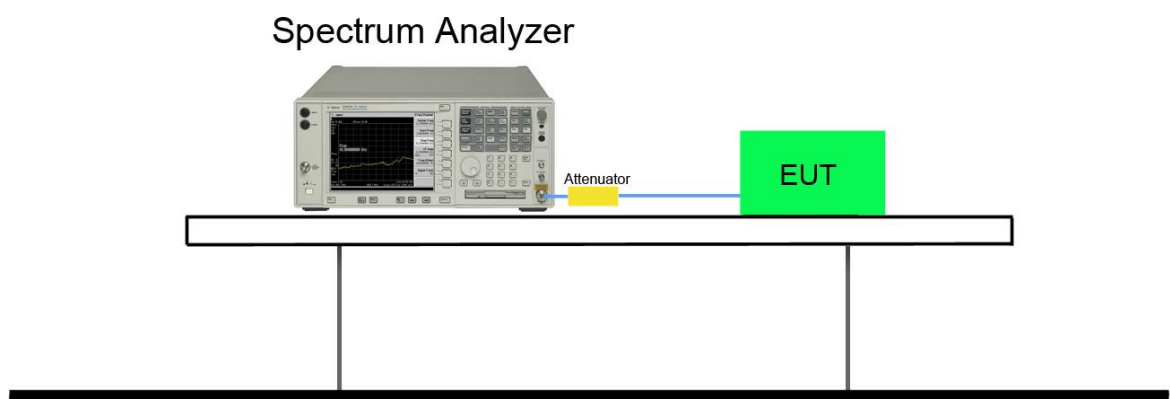
#### 7.3.2. Test Procedure used

KDB 789033 D02v01 – Section C.2

#### 7.3.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW  $\geq 3 \times$  RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.3.4. Test Setup



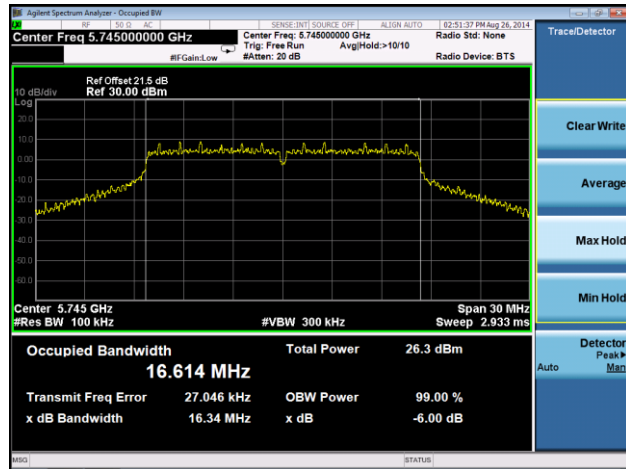
### 7.3.5. Test Result

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11a	6	149	5745	16.34	$\geq 0.5$	Pass
802.11a	6	157	5785	16.34	$\geq 0.5$	Pass
802.11a	6	165	5825	16.34	$\geq 0.5$	Pass
802.11n-HT20	13	149	5745	17.58	$\geq 0.5$	Pass
802.11n-HT20	13	157	5785	17.57	$\geq 0.5$	Pass
802.11n-HT20	13	165	5825	17.14	$\geq 0.5$	Pass
802.11n-HT40	27	151	5755	36.32	$\geq 0.5$	Pass
802.11n-HT40	27	159	5795	35.77	$\geq 0.5$	Pass
Ant 1						
802.11a	6	149	5745	16.37	$\geq 0.5$	Pass
802.11a	6	157	5785	16.34	$\geq 0.5$	Pass
802.11a	6	165	5825	16.35	$\geq 0.5$	Pass
802.11n-HT20	13	149	5745	17.59	$\geq 0.5$	Pass
802.11n-HT20	13	157	5785	17.54	$\geq 0.5$	Pass
802.11n-HT20	13	165	5825	16.67	$\geq 0.5$	Pass
802.11n-HT40	27	151	5755	36.34	$\geq 0.5$	Pass
802.11n-HT40	27	159	5795	35.78	$\geq 0.5$	Pass

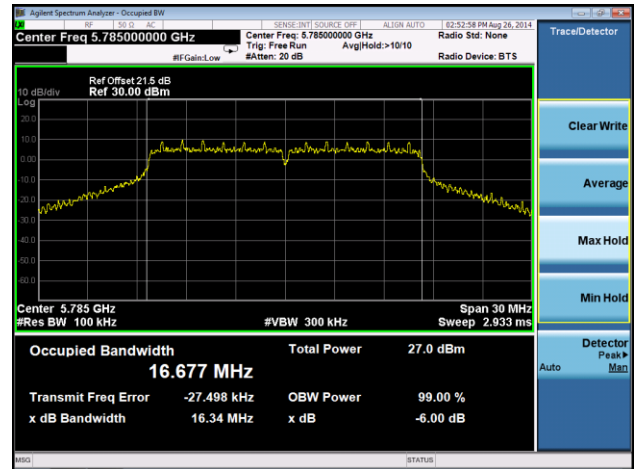


## 802.11a 6dB Bandwidth - Ant 0

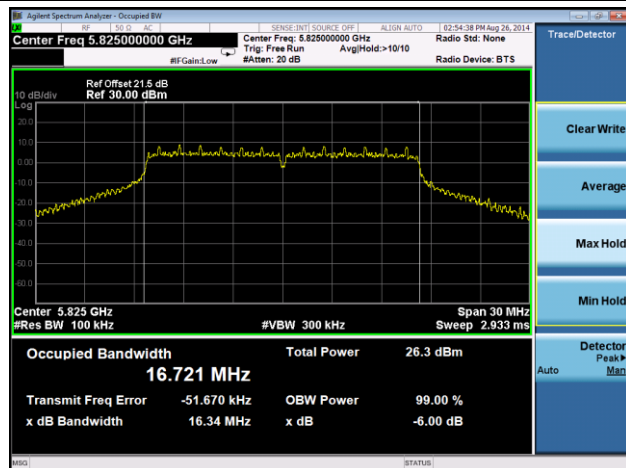
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

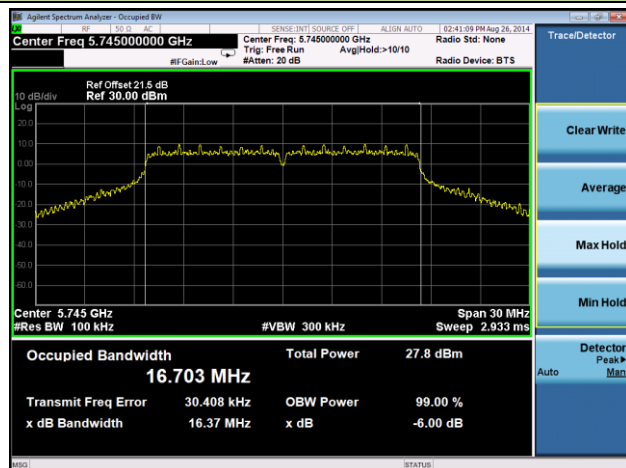


### Channel 165 (5825MHz)

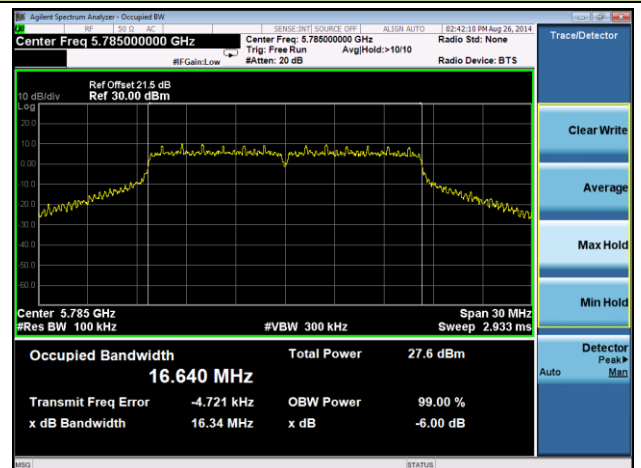


## 802.11a 6dB Bandwidth - Ant 1

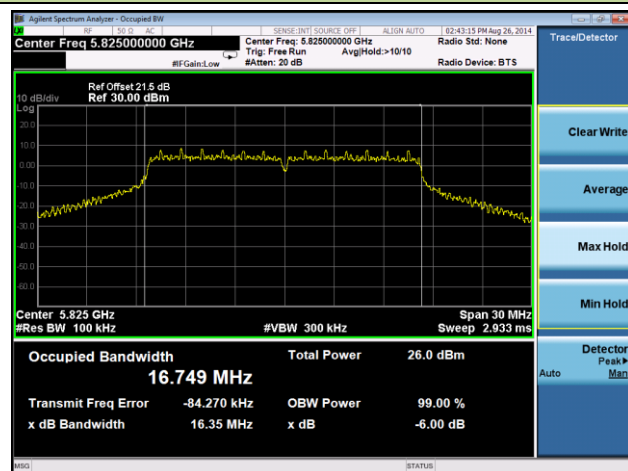
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

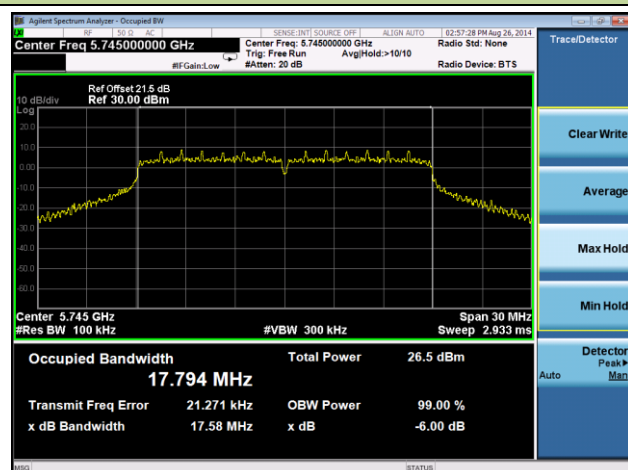


### Channel 165 (5825MHz)

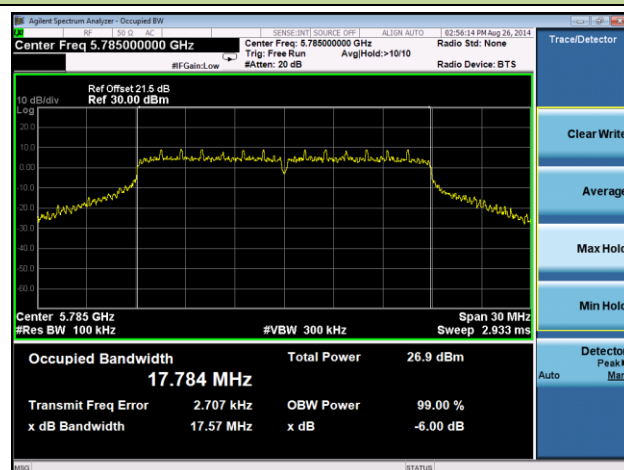


### 802.11n-HT20 6dB Bandwidth - Ant 0

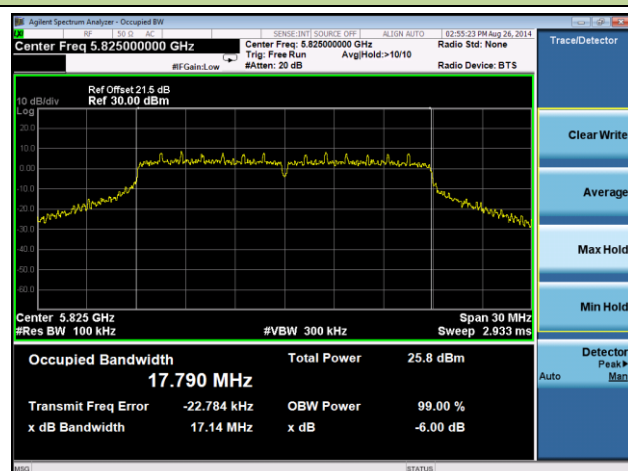
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

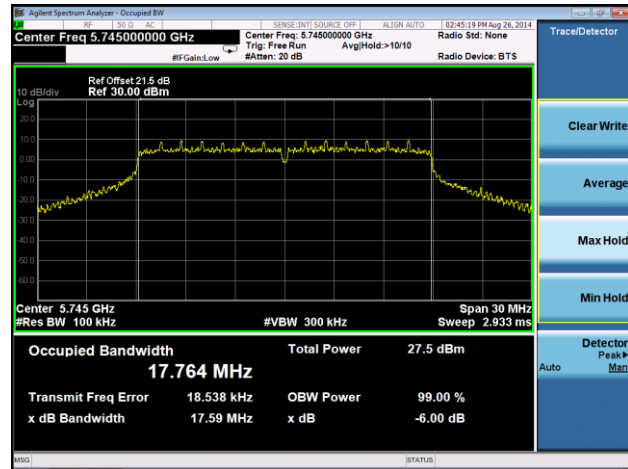


### Channel 165 (5825MHz)

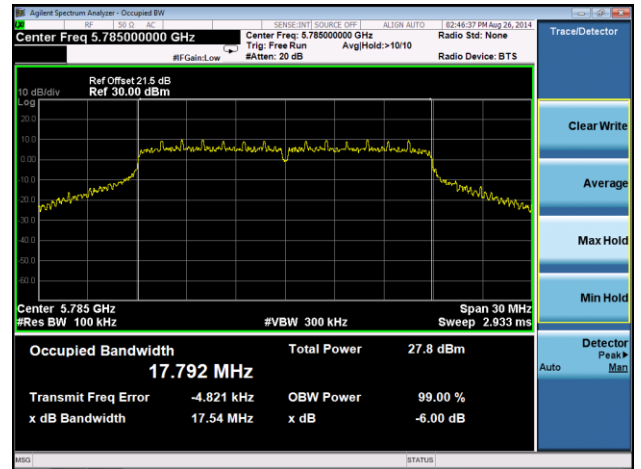


# 802.11n-HT20 6dB Bandwidth - Ant 1

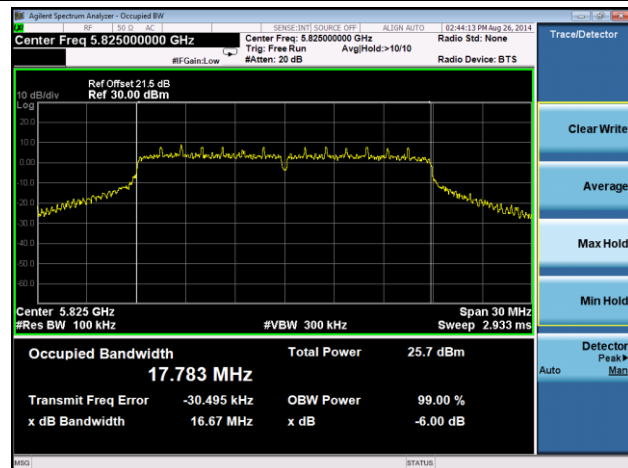
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

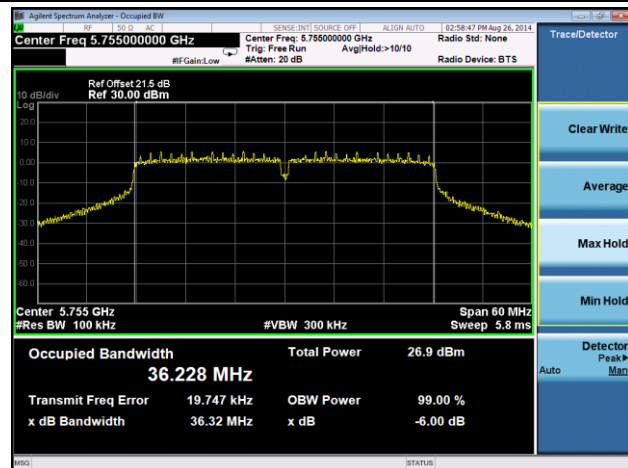


## Channel 165 (5825MHz)

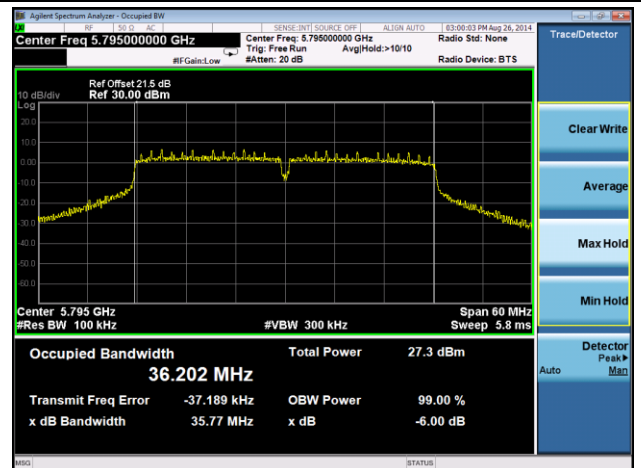


# 802.11n-HT40 6dB Bandwidth - Ant 0

## Channel 151 (5755MHz)

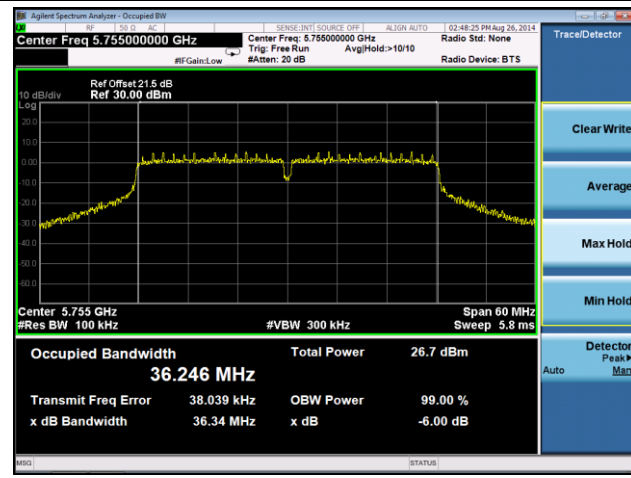


## Channel 159 (5795MHz)

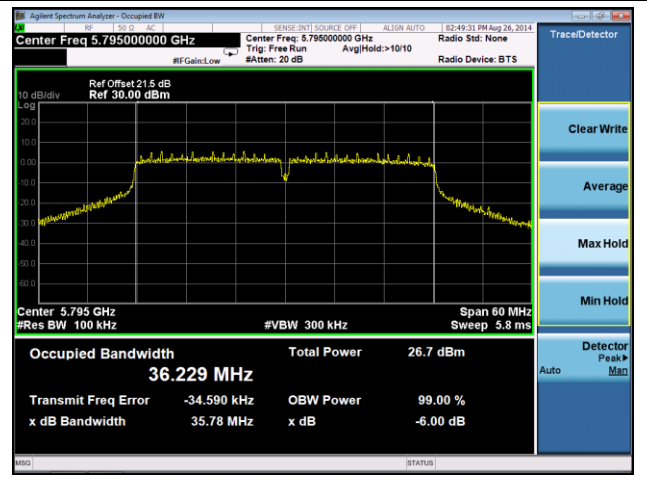


# 802.11n-HT40 6dB Bandwidth - Ant 1

## Channel 151 (5755MHz)



## Channel 159 (5795MHz)



## 7.4. Output Power Measurement

### 7.4.1. Test Limit

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm). However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power.

**5.15-5.25GHz: Limit (dBm) = 30dBm.**

**5.725-5.85GHz: Limit (dBm) = 30dBm.**

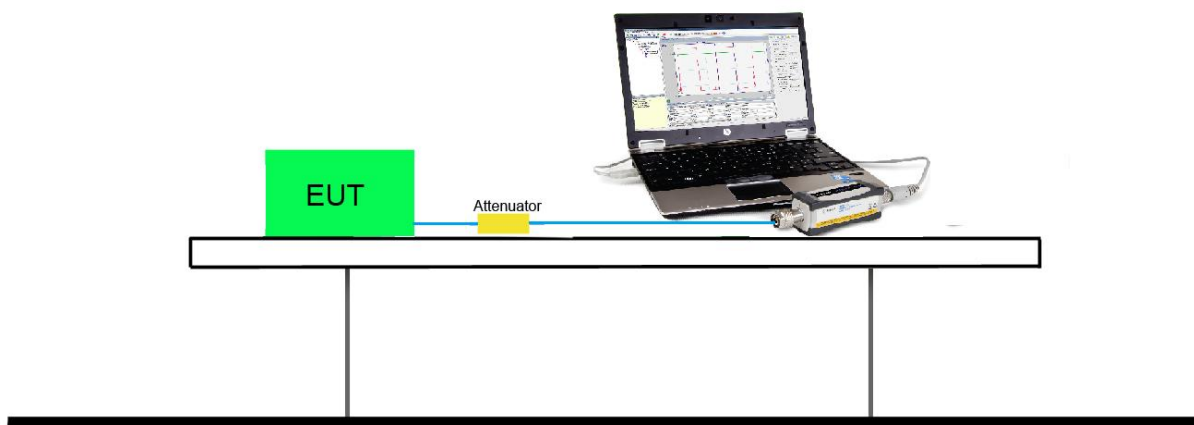
### 7.4.2. Test Procedure Used

KDB 789033 D02v01 - Section E) 3) b) Method PM-G

### 7.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

### 7.4.4. Test Setup



#### 7.4.5. Test Result

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

N <sub>Tx</sub>	a	MCS Index for 802.11n	Data Rate (Mbps)			
			20MHz Bandwidth		40MHz Bandwidth	
			800ns GI	400ns GI	800ns GI	400ns GI
1	6	0	6.5	7.2	13.5	15.0
1	9	1	13.0	14.4	27	30.0
1	12	2	19.5	21.7	40.5	45.0
1	18	3	26.0	28.9	54	60.0
1	24	4	39.0	43.3	81	90.0
1	36	5	52.0	57.8	108	120.0
1	48	6	58.5	65.0	121.5	135.0
1	54	7	65.0	72.2	135	150.0
2	---	8	13.0	14.4	27	30.0
2	---	9	26.0	28.9	54	60.0
2	---	10	39.0	43.3	81	90.0
2	---	11	52.0	57.8	108	120.0
2	---	12	78.0	86.7	162	180.0
2	---	13	104.0	115.6	216	240.0
2	---	14	117.0	130.0	243	270.0
2	---	15	130.0	144.4	270	300.0

#### Output power at various data rates for Ant 0:

Test Mode	Bandwidth	Channel	Frequency (MHz)	Data Rate (Mbps)	RMS Power (dBm)
802.11a	20	48	5320	6	23.12
				24	23.02
				54	22.84
802.11n	20	48	5320	6.5	22.74
				39	22.59
				65.0	22.34
802.11n	40	46	5310	13.5	22.61
				81.0	22.41
				135.0	22.15

Test Mode	N <sub>Tx</sub>	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	1	6	36	5180	22.40	22.96	---	30.00	Pass
11a	1	6	44	5220	23.03	23.01	---	30.00	Pass
11a	1	6	48	5240	23.12	23.10	---	30.00	Pass
11a	1	6	149	5745	23.25	23.56	---	30.00	Pass
11a	1	6	157	5785	23.79	23.43	---	30.00	Pass
11a	1	6	165	5825	22.79	22.43	---	30.00	Pass
11n-HT20	1	6.5	36	5180	22.33	22.38	---	30.00	Pass
11n-HT20	1	6.5	44	5220	22.53	22.59	---	30.00	Pass
11n-HT20	1	6.5	48	5240	22.74	22.57	---	30.00	Pass
11n-HT20	2	13	36	5180	19.39	19.92	22.67	30.00	Pass
11n-HT20	2	13	44	5220	20.03	20.52	23.29	30.00	Pass
11n-HT20	2	13	48	5240	19.71	19.91	22.82	30.00	Pass
11n-HT20	1	6.5	149	5745	23.27	23.12	---	30.00	Pass
11n-HT20	1	6.5	157	5785	23.27	23.45	---	30.00	Pass
11n-HT20	1	6.5	165	5825	22.61	22.41	---	30.00	Pass
11n-HT20	2	13	149	5745	20.01	20.48	23.26	30.00	Pass
11n-HT20	2	13	157	5785	19.93	20.25	23.10	30.00	Pass
11n-HT20	2	13	165	5825	19.97	20.08	23.04	30.00	Pass
11n-HT40	1	13.5	38	5190	22.09	22.21	---	30.00	Pass
11n-HT40	1	13.5	46	5230	22.61	22.19	---	30.00	Pass
11n-HT40	2	27	38	5190	19.36	19.71	22.55	30.00	Pass
11n-HT40	2	27	46	5230	19.35	19.69	22.53	30.00	Pass
11n-HT40	1	13.5	151	5755	22.25	22.59	---	30.00	Pass
11n-HT40	1	13.5	159	5795	22.61	22.40	---	30.00	Pass
11n-HT40	2	27	151	5755	19.05	19.55	22.32	30.00	Pass
11n-HT40	2	27	159	5795	19.18	19.47	22.34	30.00	Pass

Note: The Total Average Power (dBm) =  $10 \cdot \log\{10^{(\text{Ant 0 Average Power}/10)} + 10^{(\text{Ant 1 Average Power}/10)}\}$ .

## 7.5. Power Spectral Density Measurement

### 7.5.1. Test Limit

For fixed point-to-point access points operating in the band 5.15-5.25 GHz, fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**5.15-5.25 GHz: Limit (dBm/MHz) = 17dBm/MHz.**

**5.725-5.85 GHz Limit (dBm/500kHz) = 30dBm/500kHz.**

### 7.5.2. Test Procedure Used

KDB 789033 D02v01 - Section F

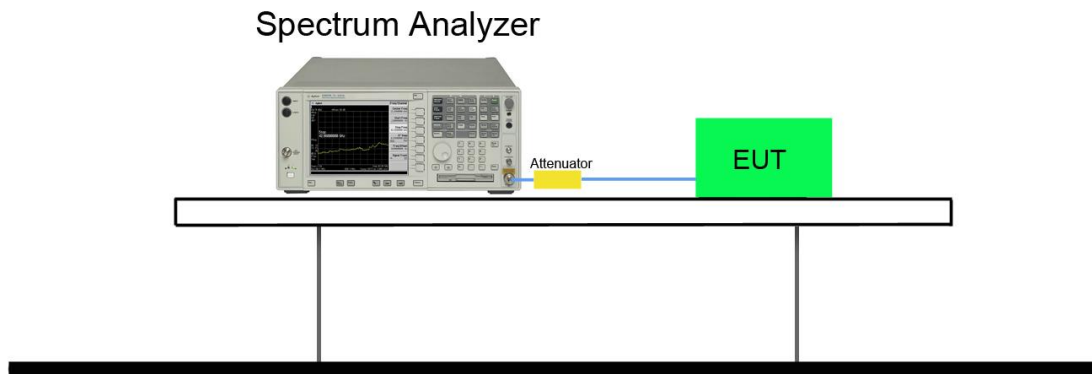
### 7.5.3. Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz,  
RBW = 100 kHz
4. VBW = 3MHz
5. Number of sweep points  $\geq 2 \times (\text{span} / \text{RBW})$
6. Detector = power averaging (RMS)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.



10. Add  $10 \cdot \log(1/x)$ , where  $x$  is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add  $10 \cdot \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
11. When the measurement bandwidth of Maximum PSD is specified in 500 kHz, add a constant factor  $10 \cdot \log(500\text{kHz}/100\text{kHz}) = 6.99$  dB to the measured result

#### 7.5.4. Test Setup



### 7.5.5. Test Result

Test Mode	N <sub>Tx</sub>	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Total PSD (dBm)	Limit (dBm /MHz)	Result
11a	1	6	36	5180	7.836	8.575	--	17	Pass
11a	1	6	44	5220	8.493	8.808	--	17	Pass
11a	1	6	48	5240	9.029	8.976	--	17	Pass
11n-HT20	1	6.5	36	5180	7.575	7.887	--	17	Pass
11n-HT20	1	6.5	44	5220	8.117	7.860	--	17	Pass
11n-HT20	1	6.5	48	5240	8.692	8.550	--	17	Pass
11n-HT20	2	13	36	5180	5.062	5.630	8.366	17	Pass
11n-HT20	2	13	44	5220	5.757	6.025	8.903	17	Pass
11n-HT20	2	13	48	5240	6.053	6.109	9.091	17	Pass
11n-HT40	1	13.5	38	5190	4.064	4.427	--	17	Pass
11n-HT40	1	13.5	46	5230	4.516	4.078	--	17	Pass
11n-HT40	2	27	38	5190	1.090	1.680	4.405	17	Pass
11n-HT40	2	27	46	5230	2.042	1.952	5.008	17	Pass

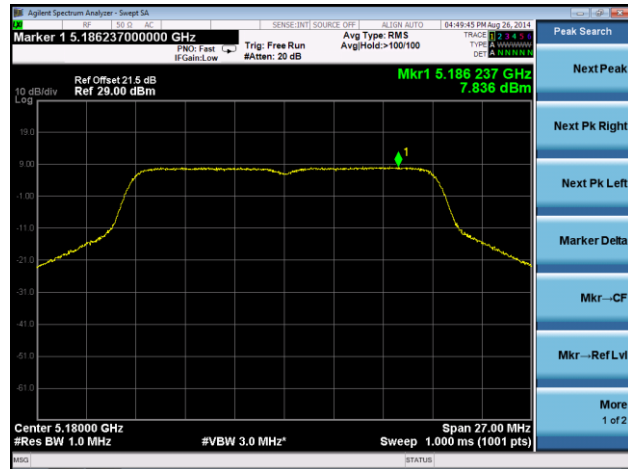
Test Mode	N <sub>Tx</sub>	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Constant Factor	Ant 0 PSD (dBm)	Ant 1 PSD (dBm)	Total PSD (dBm)	Limit (dBm/ 500kHz)	Result
11a	1	6	149	5745	6.99	7.890	8.128	--	30	Pass
11a	1	6	157	5785	6.99	8.615	8.650	--	30	Pass
11a	1	6	165	5825	6.99	7.449	6.756	--	30	Pass
11n-HT20	1	6.5	149	5745	6.99	7.086	8.648	--	30	Pass
11n-HT20	1	6.5	157	5785	6.99	7.922	8.131	--	30	Pass
11n-HT20	1	6.5	165	5825	6.99	6.720	6.919	--	30	Pass
11n-HT20	2	13	149	5745	6.99	4.408	5.347	7.913	30	Pass
11n-HT20	2	13	157	5785	6.99	5.383	6.129	8.782	30	Pass
11n-HT20	2	13	165	5825	6.99	4.267	4.864	7.586	30	Pass
11n-HT40	1	13.5	151	5755	6.99	4.736	4.503	--	30	Pass
11n-HT40	1	13.5	159	5795	6.99	5.019	4.373	--	30	Pass
11n-HT40	2	27	151	5755	6.99	2.320	2.517	5.430	30	Pass
11n-HT40	2	27	159	5795	6.99	2.622	2.338	5.492	30	Pass

Note: The PSD Level = The Reading level + Constant Factor.

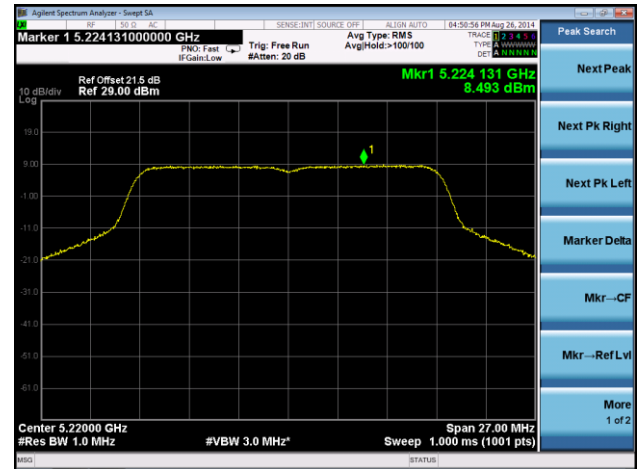
The Total PSD Level =  $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + \text{Constant Factor}$ .

# 802.11a Power Spectral Density - Ant 0

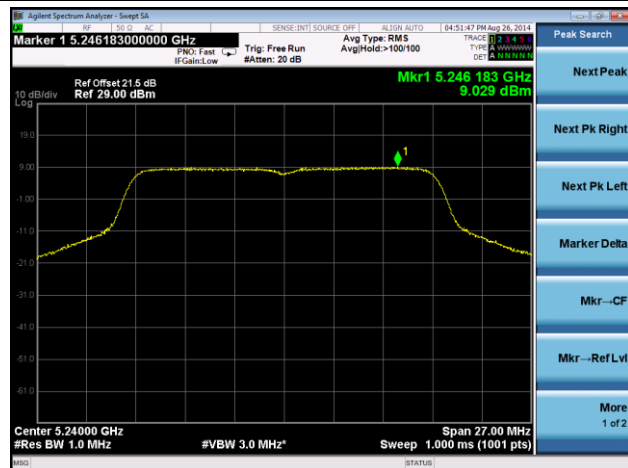
## Channel 36 (5180MHz)



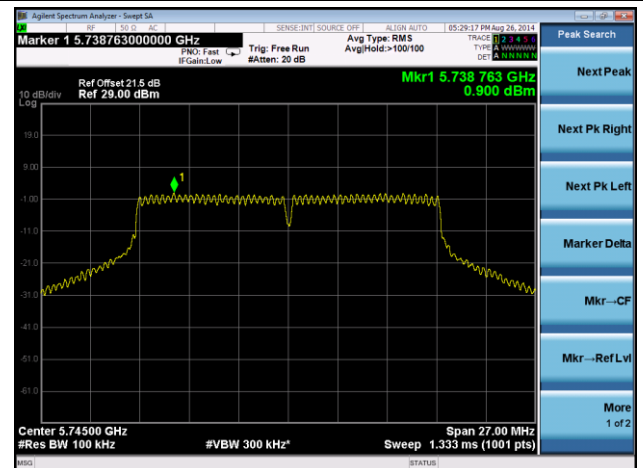
## Channel 44 (5220MHz)



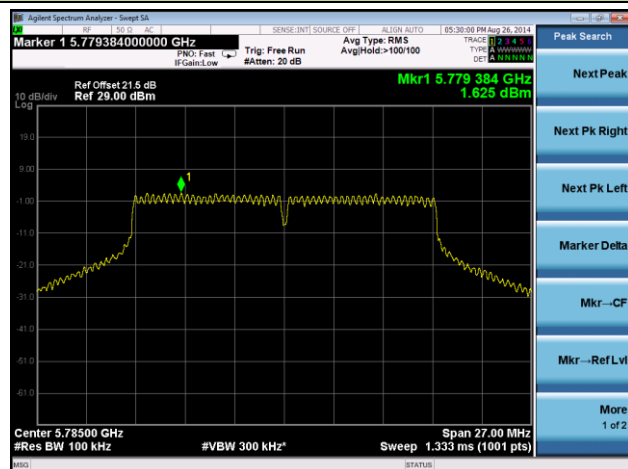
## Channel 48 (5240MHz)



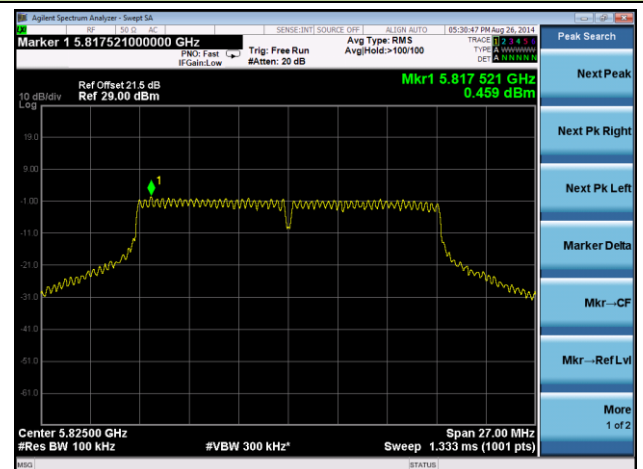
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

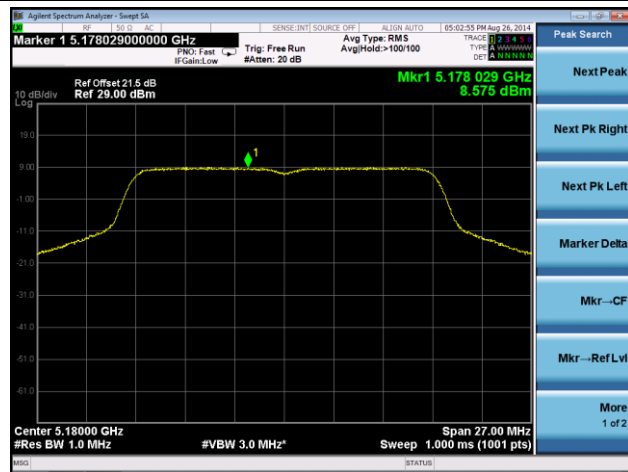


## Channel 165 (5825MHz)

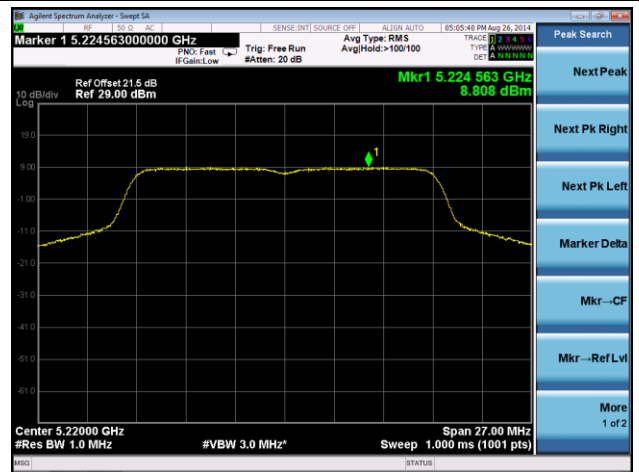


## 802.11a Power Spectral Density - Ant 1

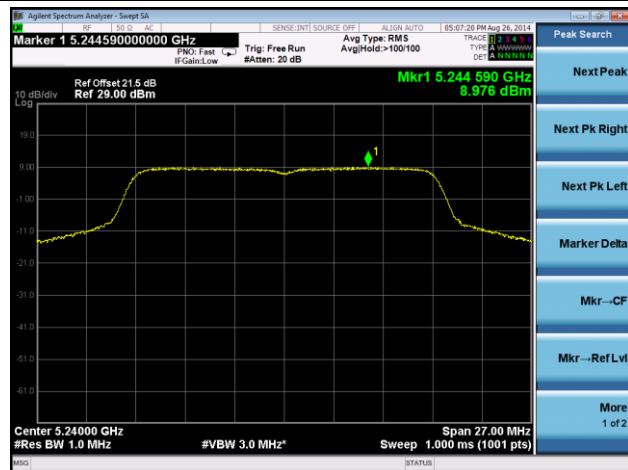
### Channel 36 (5180MHz)



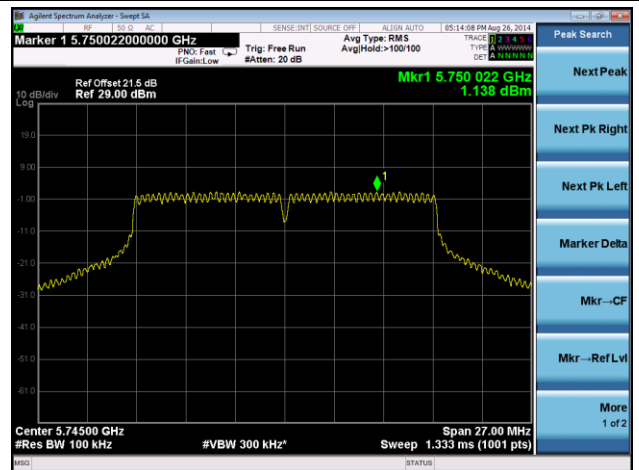
### Channel 44 (5220MHz)



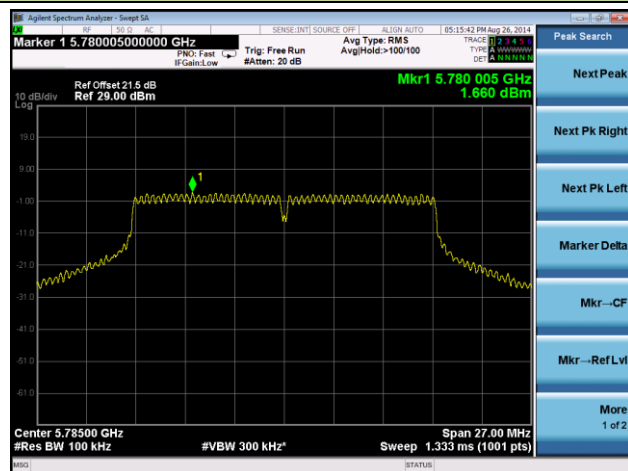
### Channel 48 (5240MHz)



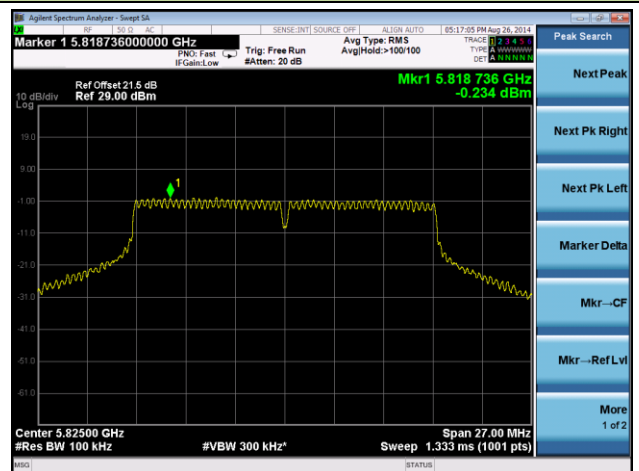
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

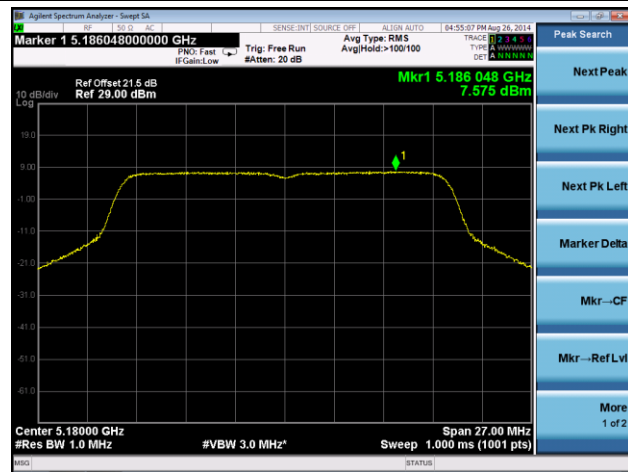


### Channel 165 (5825MHz)



# 802.11n-HT20 Power Spectral Density - Ant 0

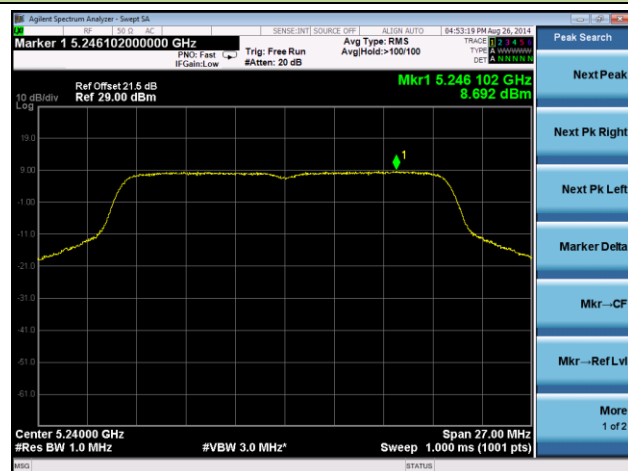
## Channel 36 (5180MHz)



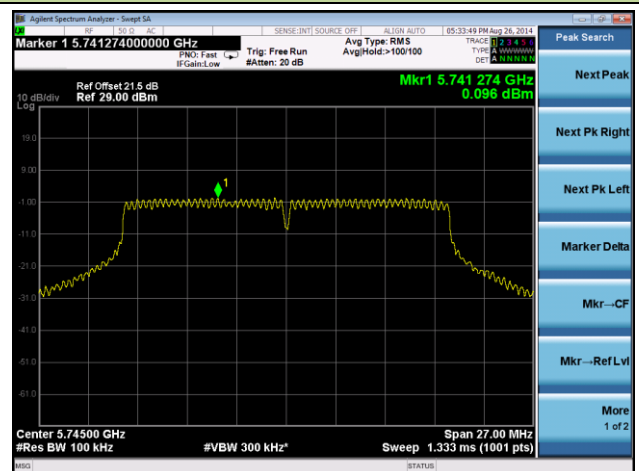
## Channel 44 (5220MHz)



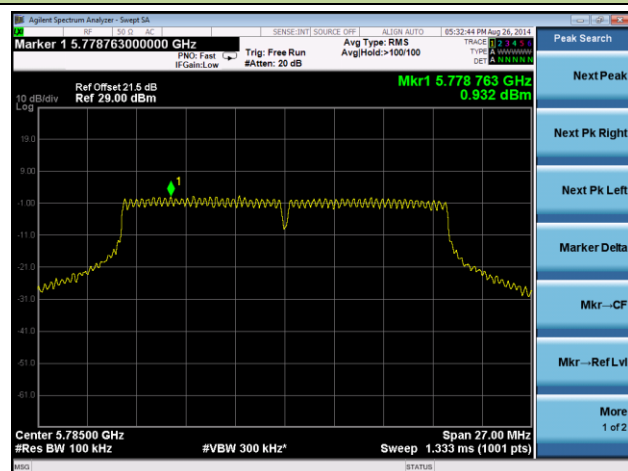
## Channel 48 (5240MHz)



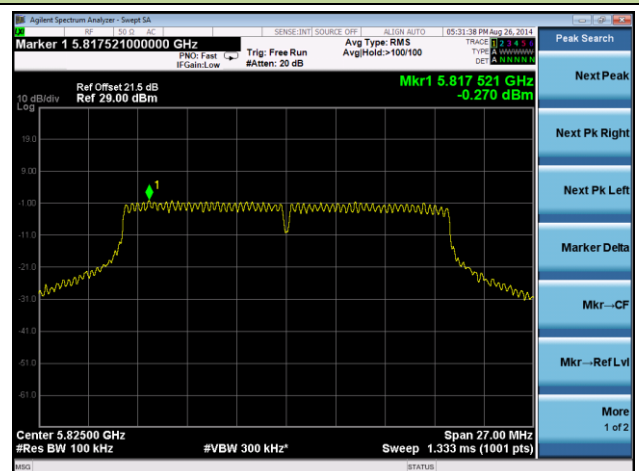
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

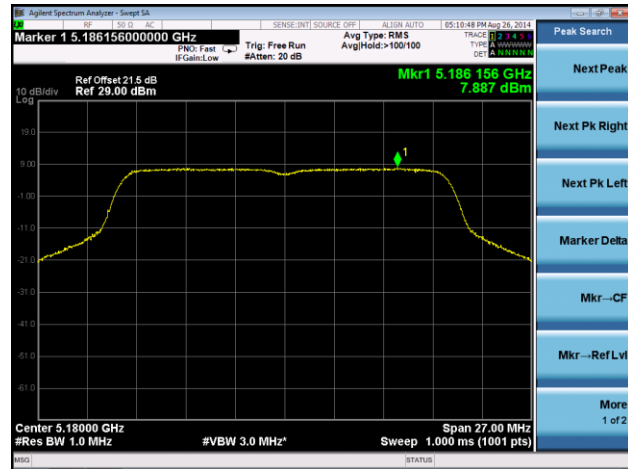


## Channel 165 (5825MHz)

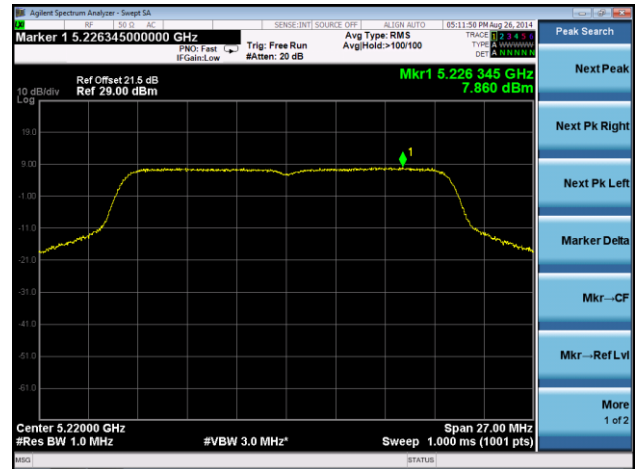


# 802.11n-HT20 Power Spectral Density - Ant 1

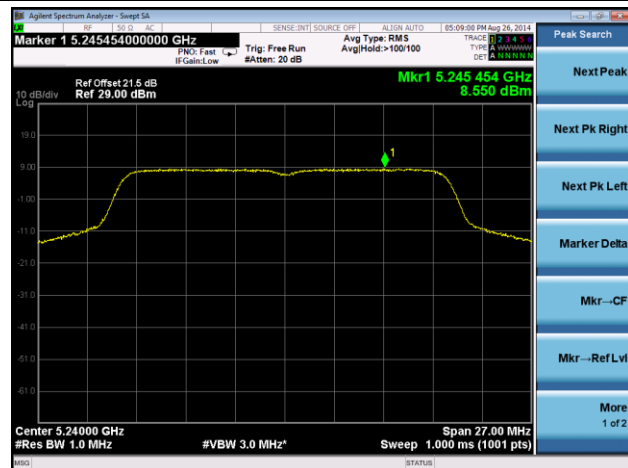
## Channel 36 (5180MHz)



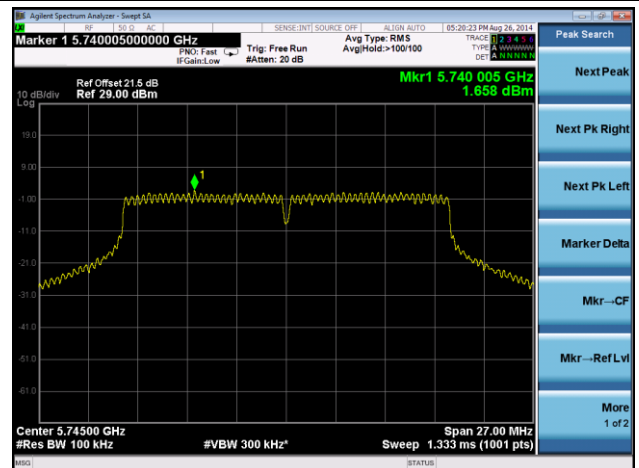
## Channel 44 (5220MHz)



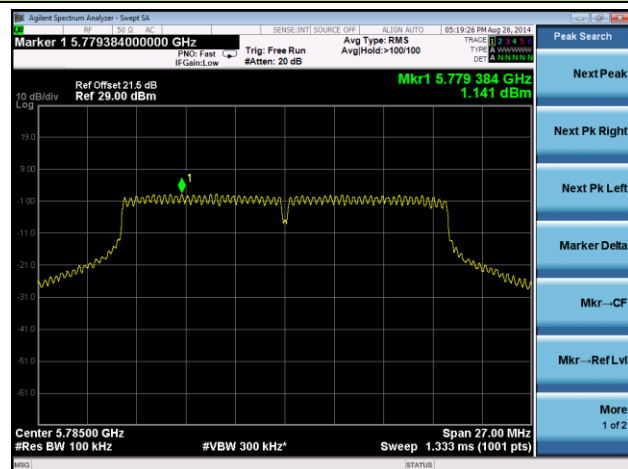
## Channel 48 (5240MHz)



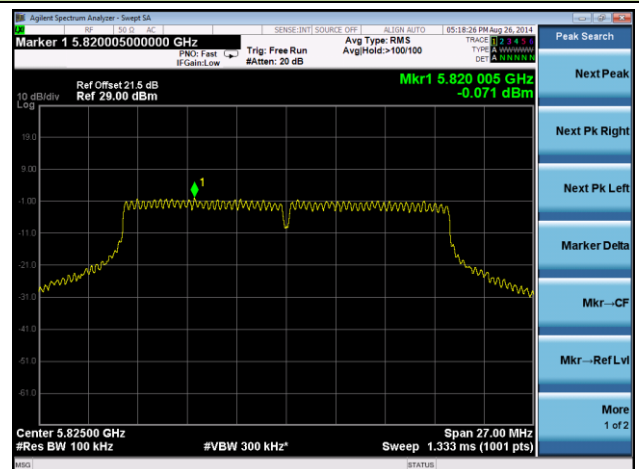
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)

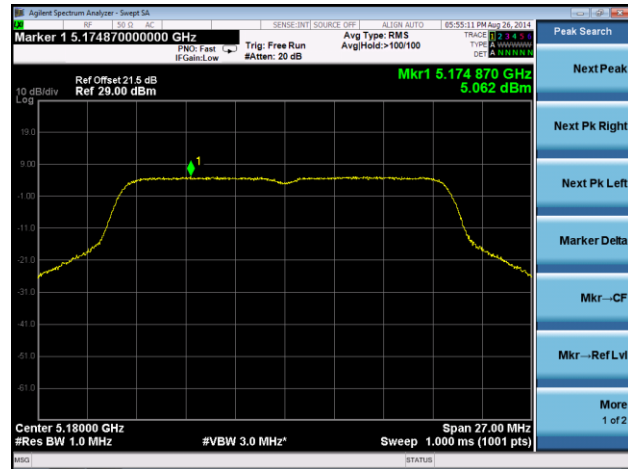


## Channel 165 (5825MHz)

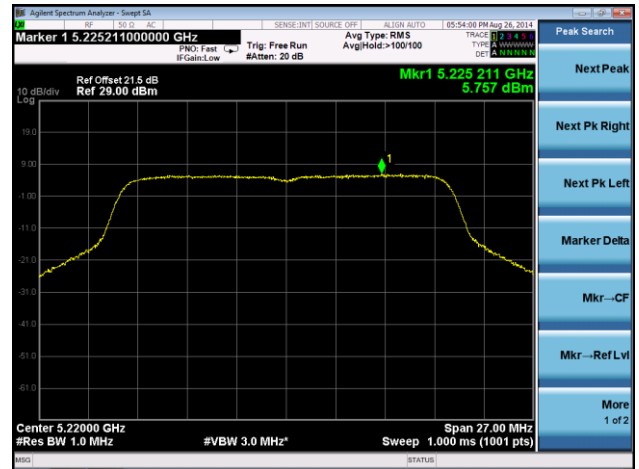


# 802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1

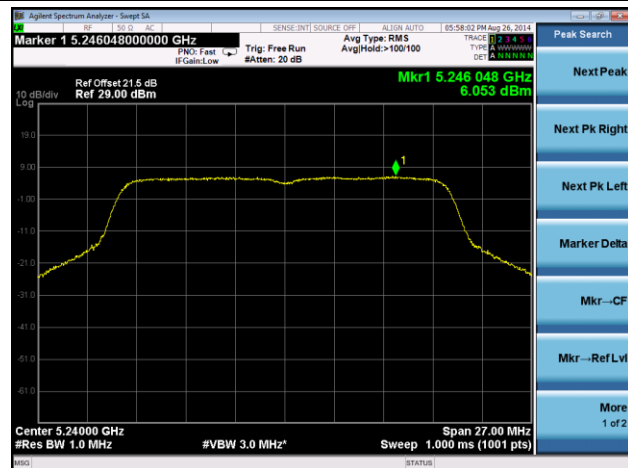
## Channel 36 (5180MHz)



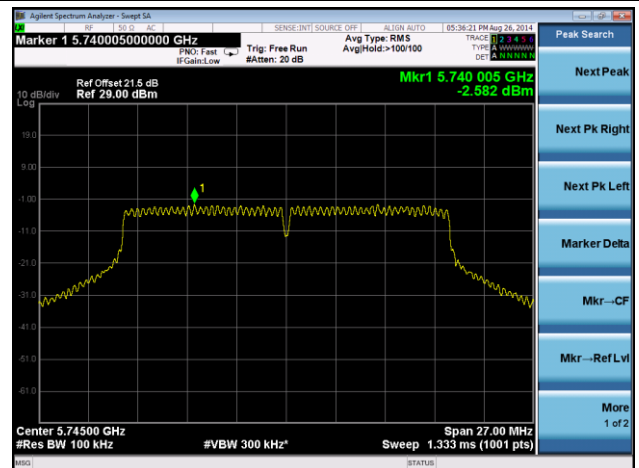
## Channel 44 (5220MHz)



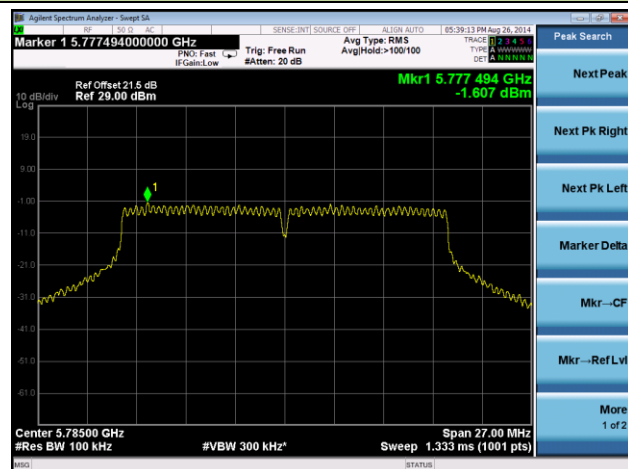
## Channel 48 (5240MHz)



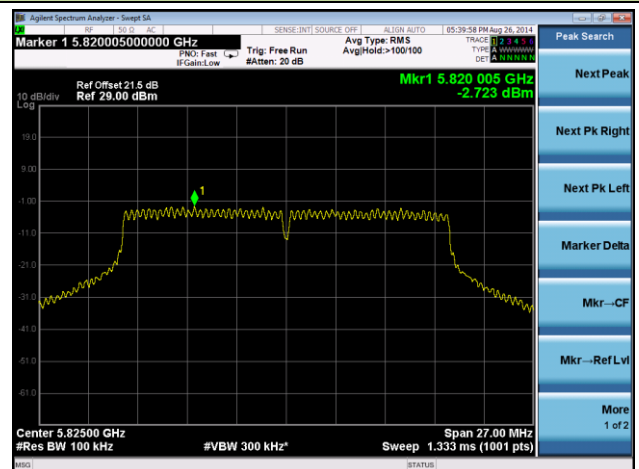
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)



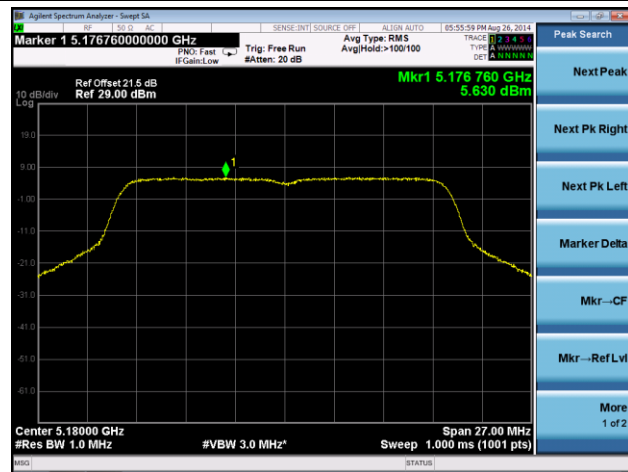
## Channel 165 (5825MHz)



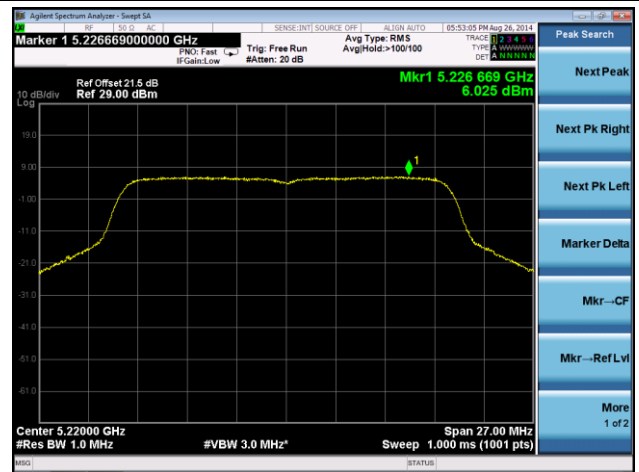


# 802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1

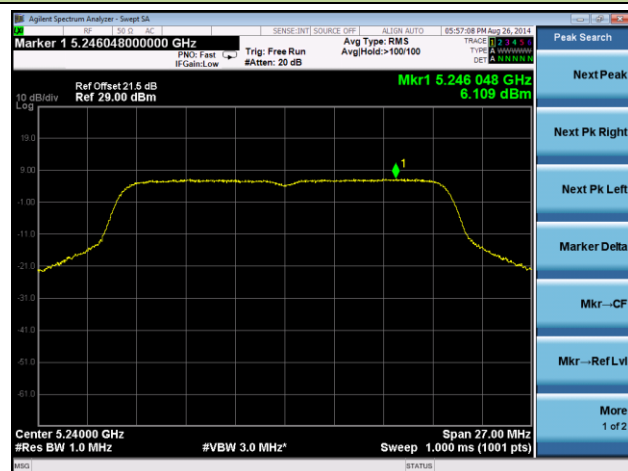
## Channel 36 (5180MHz)



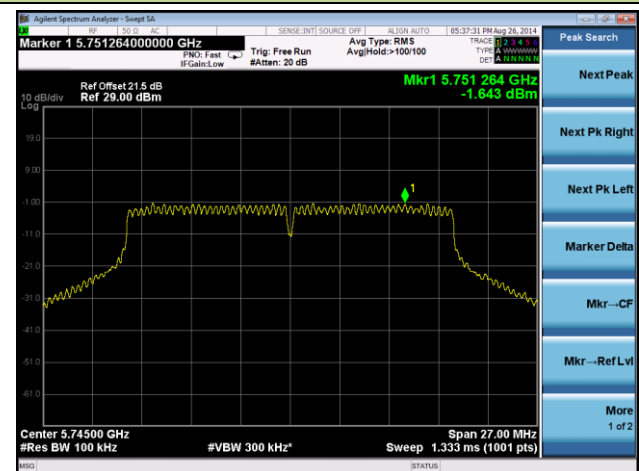
## Channel 44 (5220MHz)



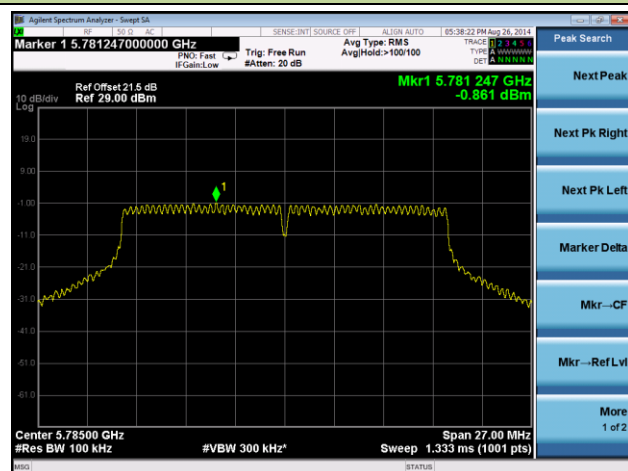
## Channel 48 (5240MHz)



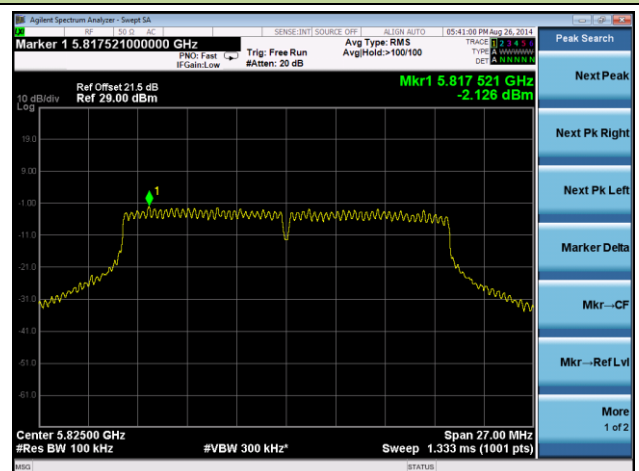
## Channel 149 (5745MHz)



## Channel 157 (5785MHz)



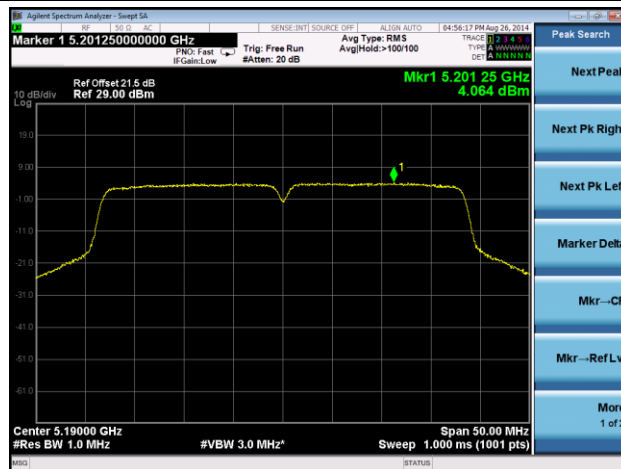
## Channel 165 (5825MHz)



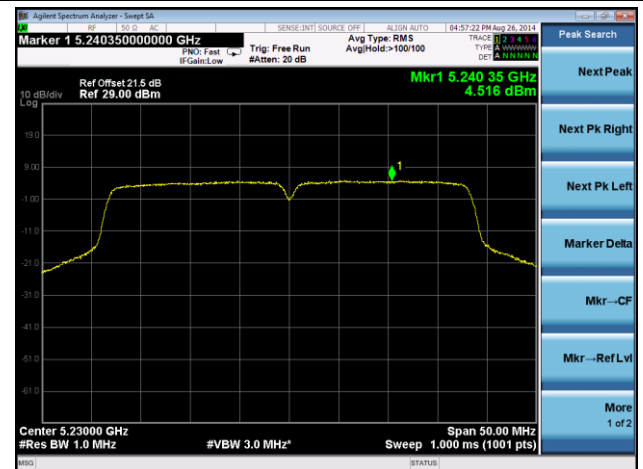


# 802.11n-HT40 Power Spectral Density - Ant 0

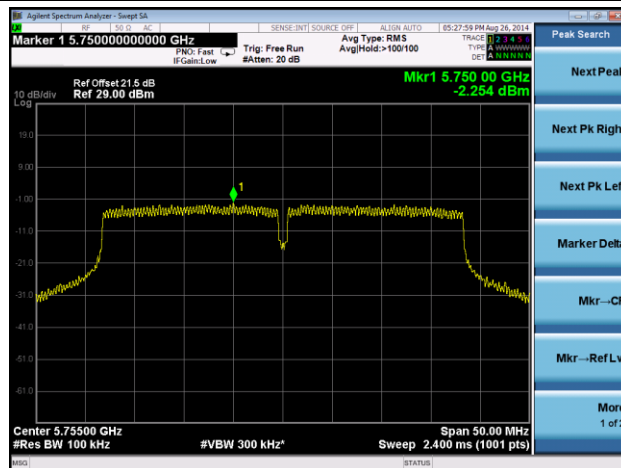
## Channel 38 (5190MHz)



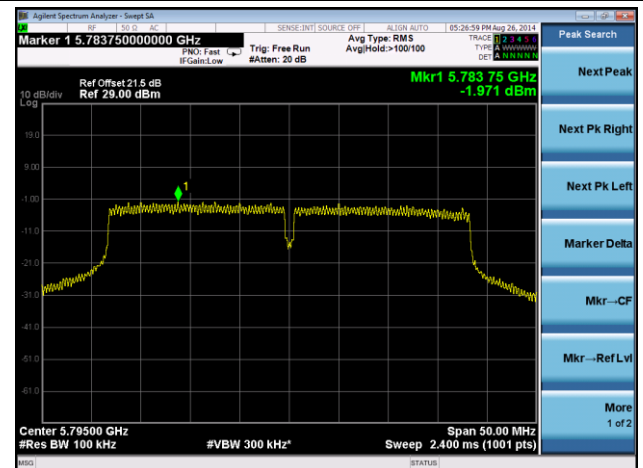
## Channel 46 (5230MHz)



## Channel 151 (5755MHz)

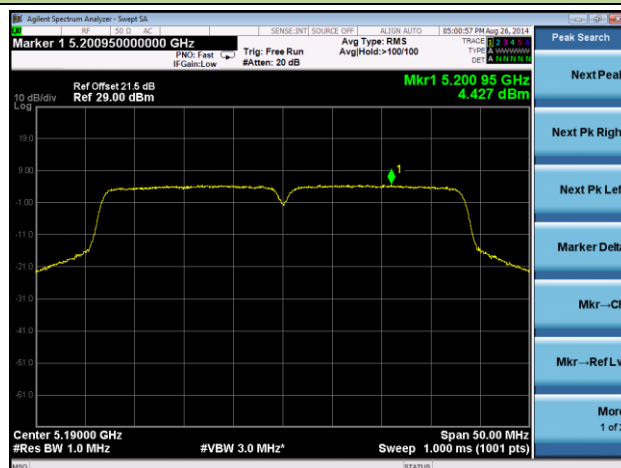


## Channel 159 (5795MHz)

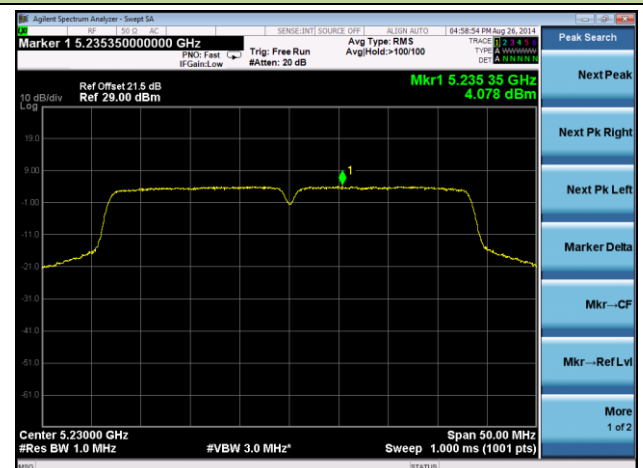


# 802.11n-HT40 Power Spectral Density - Ant 1

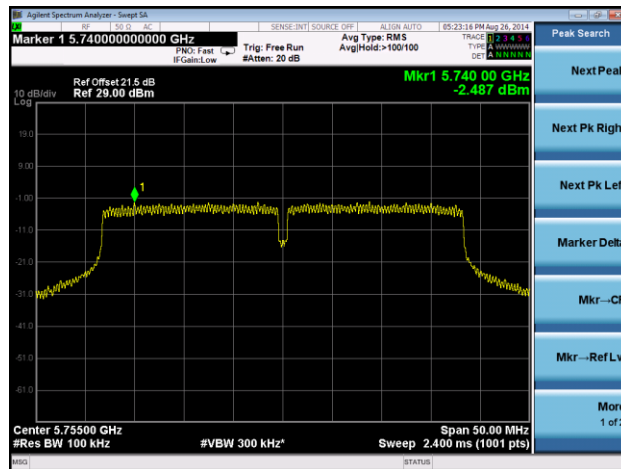
## Channel 38 (5190MHz)



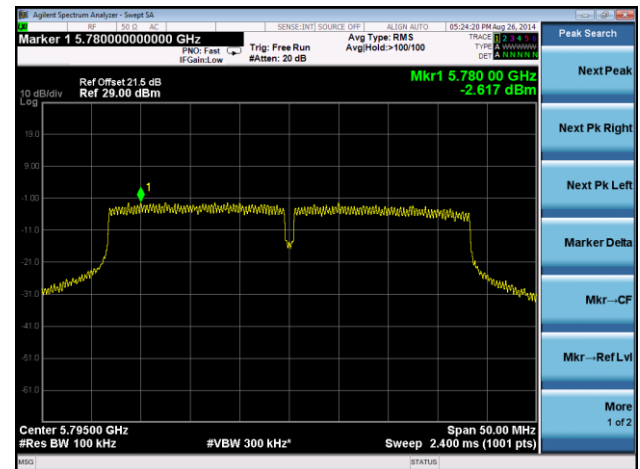
## Channel 46 (5230MHz)



### Channel 151 (5755 MHz)

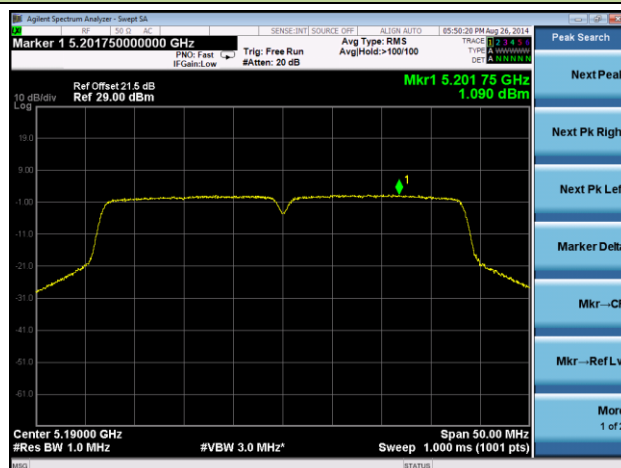


### Channel 159 (5795 MHz)

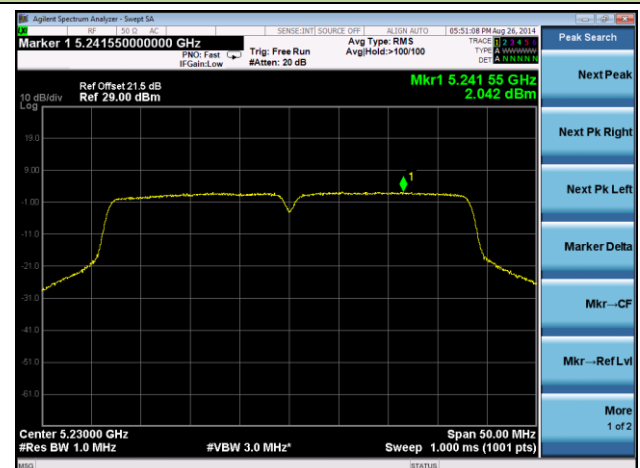


### 802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0+1

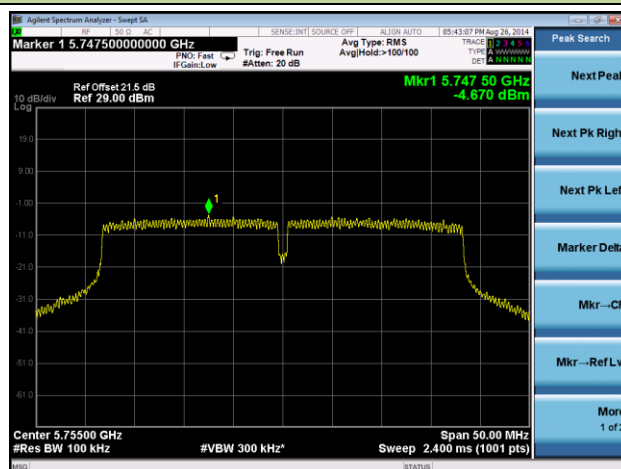
### Channel 38 (5190MHz)



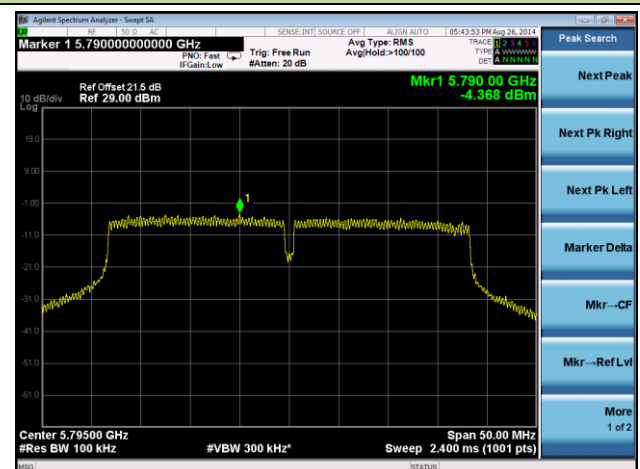
### Channel 46 (5230MHz)



### Channel 151 (5755MHz)

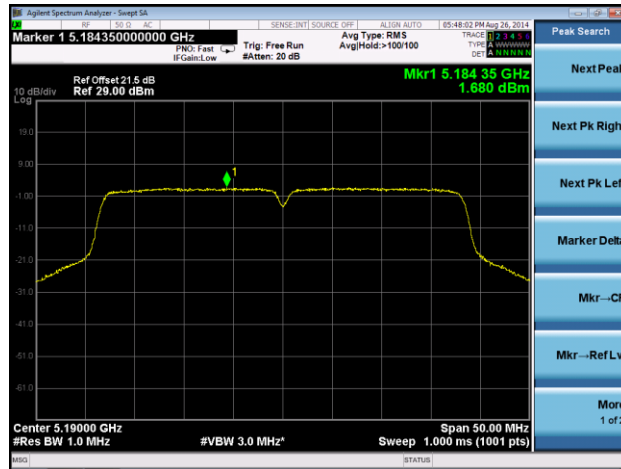


### Channel 159 (5795MHz)

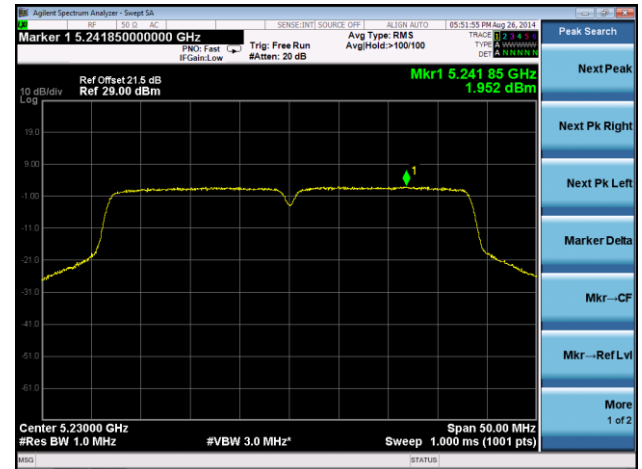


# 802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0+1

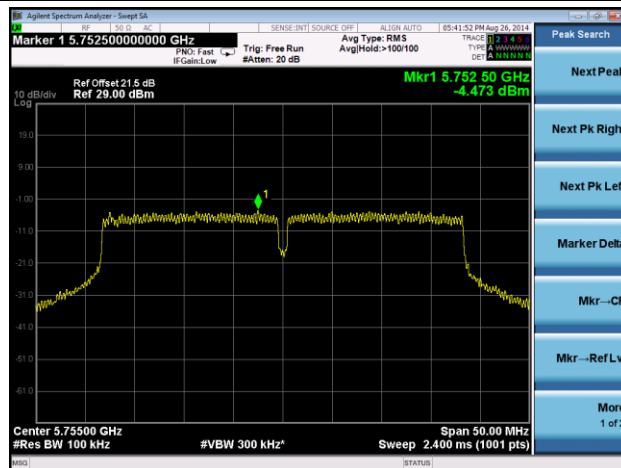
## Channel 38 (5190MHz)



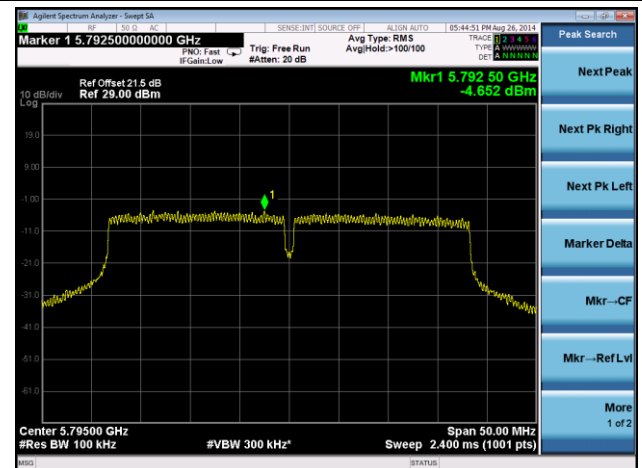
## Channel 46 (5230MHz)



## Channel 151 (5755 MHz)



## Channel 159 (5795 MHz)



## 7.6. Frequency Stability Measurement

### 7.6.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 7.6.2. Test Procedure Used

#### **Frequency Stability Under Temperature Variations:**

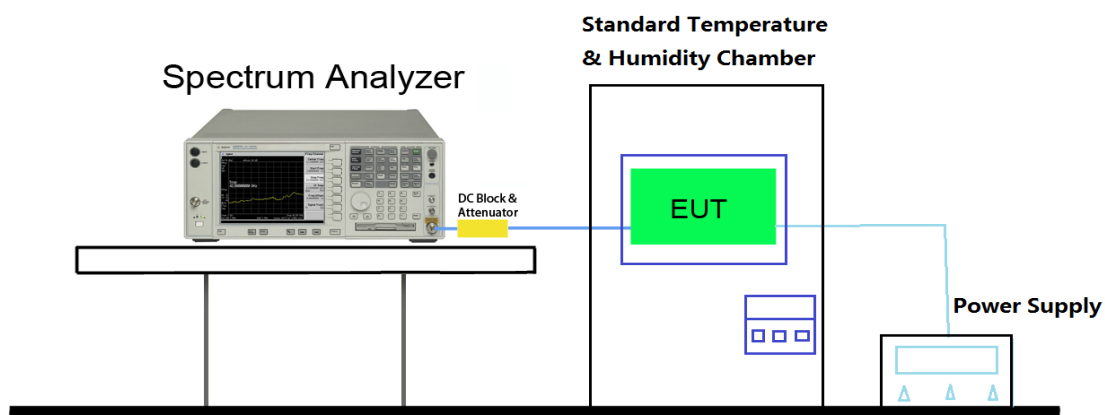
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

#### **Frequency Stability Under Voltage Variations:**

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ( $\pm 15\%$ ) and endpoint, record the maximum frequency change.

### 7.6.3. Test Setup



#### 7.6.4. Test Result

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5220018651.694	18651.694	0.000357
			5784998125.684	-1874.316	-0.000032
		- 30	5220031581.522	31581.522	0.000605
			5785029633.344	29633.344	0.000512
		- 20	5220028764.749	28764.749	0.000551
			5785014243.547	14243.547	0.000246
		- 10	5220036157.243	36157.243	0.000693
			5785031634.751	31634.751	0.000547
		0	5220010357.212	10357.212	0.000198
			5785041821.370	41821.370	0.000723
		+ 10	5220015658.651	15658.651	0.000300
			5784995187.658	-4812.342	-0.000083
		+ 20	5220025680.830	25680.830	0.000492
			5784996714.185	-3285.815	-0.000057
		+ 30	5219989752.347	-10247.653	-0.000196
			5785015204.625	15204.625	0.000263
		+ 40	5220001738.711	1738.711	0.000033
			5784990164.571	-9835.429	-0.000170
		+ 50	5219996525.712	-3474.288	-0.000067
			5784989303.618	-10696.382	-0.000185
115%	138	+ 20	5220002774.668	2774.668	0.000053
			5784988601.402	-11398.598	-0.000197
85%	102	+ 20	5219998124.121	-1875.879	-0.000036
			5784988413.321	-11586.679	-0.000200

## 7.7. Radiated Spurious Emission Measurement

### 7.7.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

### 7.7.2. Test Procedure Used

KDB 789033 D02v01 – Section G

### 7.7.3. Test Setting

#### Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### **Quasi-Peak Measurements below 1GHz**

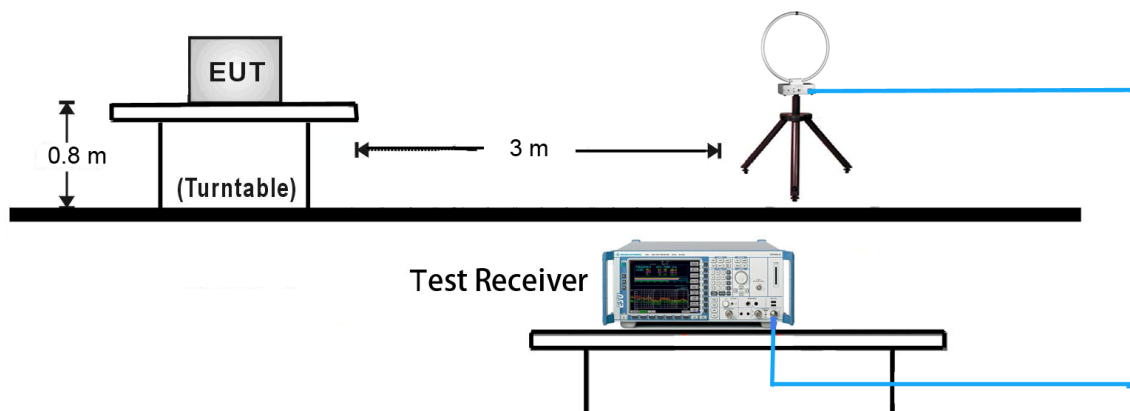
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

### **Average Measurements above 1GHz (Method AD)**

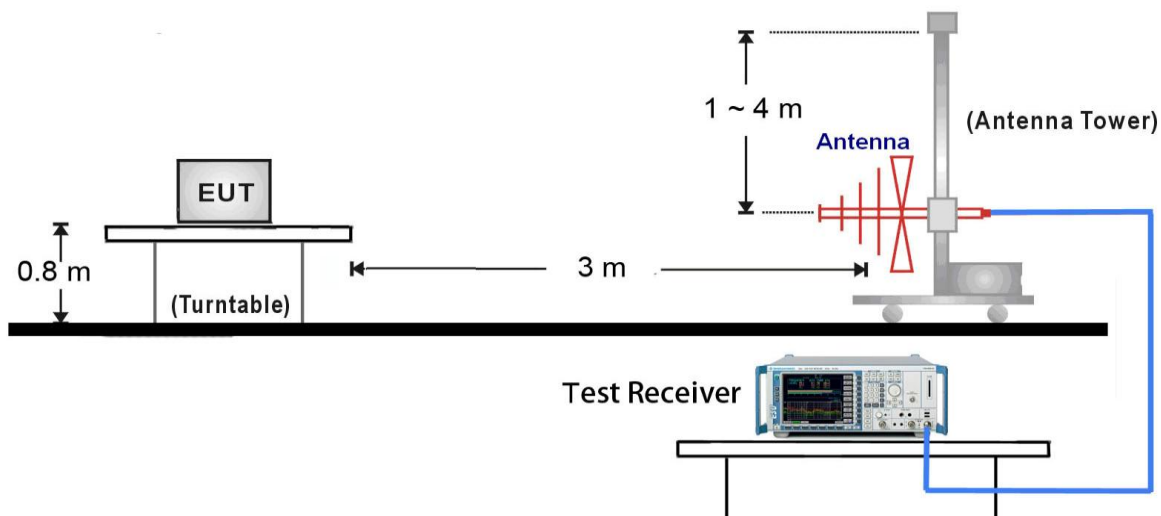
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $> 2 \times \text{span}/\text{RBW}$ )
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

#### **7.7.4. Test Setup**

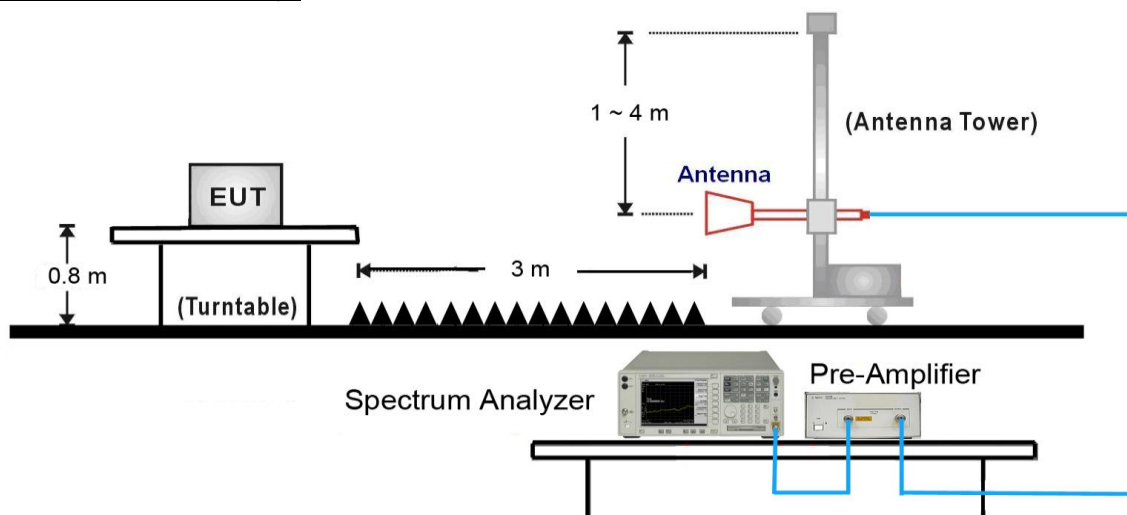
##### 9kHz ~ 30MHz Test Setup:



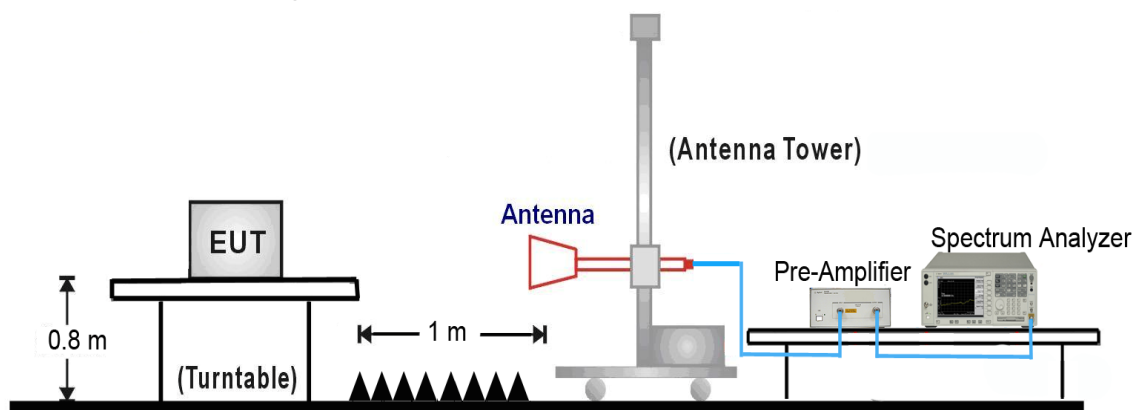
### 30MHz ~ 1GHz Test Setup:



### 1GHz ~ 18GHz Test Setup:



### 18GHz ~ 40GHz Test Setup:





### 7.7.5. Test Result

Test by Panel Antenna – 15dBi for 5150-5250MHz Band;

Test by Panel Antenna – 25dBi for 5725-5850MHz Band;

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	35.3	13.1	48.4	88.2	-39.8	Peak	Horizontal
*	7111.5	34.0	13.4	47.4	88.2	-40.8	Peak	Horizontal
	9035.0	34.2	14.5	48.7	74.0	-25.3	Peak	Horizontal
	9100.5	35.6	14.6	50.2	74.0	-23.8	Peak	Horizontal
*	7044.0	34.7	13.1	47.8	88.2	-40.4	Peak	Vertical
*	7134.0	34.6	13.5	48.1	88.2	-40.1	Peak	Vertical
	9114.7	34.6	14.8	49.4	74.0	-24.6	Peak	Vertical
	9185.6	35.3	15.3	50.6	74.0	-23.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7213.5	35.7	13.7	49.4	88.2	-38.8	Peak	Horizontal
*	7817.0	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
	9142.0	35.3	15.2	50.5	74.0	-23.5	Peak	Horizontal
	9321.5	34.8	15.4	50.2	74.0	-23.8	Peak	Horizontal
*	7168.4	34.3	13.6	47.9	88.2	-40.3	Peak	Vertical
*	7806.9	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
	9336.4	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical
	9364.9	33.8	15.3	49.1	74.0	-24.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	33.4	15.1	48.5	88.2	-39.7	Peak	Horizontal
*	7953.0	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
	9463.0	35.0	15.4	50.4	74.0	-23.6	Peak	Horizontal
	9466.0	35.4	15.4	50.8	74.0	-23.2	Peak	Horizontal
*	8006.0	34.1	15.1	49.2	88.2	-39.0	Peak	Vertical
*	8694.3	34.6	14.8	49.4	88.2	-38.8	Peak	Vertical
	9412.6	33.8	15.5	49.3	74.0	-24.7	Peak	Vertical
	9484.6	35.2	15.4	50.6	74.0	-23.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7014.5	35.4	12.8	48.2	88.2	-40.0	Peak	Horizontal
*	7115.0	34.4	13.4	47.8	88.2	-40.4	Peak	Horizontal
	9047.4	34.0	14.5	48.5	74.0	-25.5	Peak	Horizontal
	9089.9	34.4	14.6	49.0	74.0	-25.0	Peak	Horizontal
*	7045.4	35.0	13.1	48.1	88.2	-40.1	Peak	Vertical
*	7164.4	34.6	13.6	48.2	88.2	-40.0	Peak	Vertical
	8156.5	33.5	14.9	48.4	74.0	-25.6	Peak	Vertical
	8169.7	34.4	14.8	49.2	74.0	-24.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7804.6	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	8003.4	34.2	15.1	49.3	88.2	-38.9	Peak	Horizontal
	9114.9	34.5	14.8	49.3	74.0	-24.7	Peak	Horizontal
	9168.4	34.8	15.3	50.1	74.0	-23.9	Peak	Horizontal
*	7208.9	35.0	13.7	48.7	88.2	-39.5	Peak	Vertical
*	7806.2	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8234.0	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical
	8304.7	34.2	14.3	48.5	74.0	-25.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8597.4	33.5	14.8	48.3	88.2	-39.9	Peak	Horizontal
*	8912.7	35.0	14.3	49.3	88.2	-38.9	Peak	Horizontal
	9190.0	35.1	15.3	50.4	74.0	-23.6	Peak	Horizontal
	9324.4	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	7889.2	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	8001.6	34.5	15.1	49.6	88.2	-38.6	Peak	Vertical
	8495.5	34.3	14.7	49.0	74.0	-25.0	Peak	Vertical
	9110.1	34.0	14.7	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7106.8	34.5	13.4	47.9	88.2	-40.3	Peak	Horizontal
*	7112.5	34.0	13.4	47.4	88.2	-40.8	Peak	Horizontal
	8115.5	34.5	15.1	49.6	74.0	-24.4	Peak	Horizontal
	8201.9	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
*	7097.0	34.1	13.3	47.4	88.2	-40.8	Peak	Vertical
*	7113.0	34.6	13.4	48.0	88.2	-40.2	Peak	Vertical
	8046.5	34.3	15.2	49.5	74.0	-24.5	Peak	Vertical
	8110.6	33.7	15.1	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7207.5	34.9	13.6	48.5	88.2	-39.7	Peak	Horizontal
*	7811.5	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	8256.4	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	8397.0	35.2	14.4	49.6	74.0	-24.4	Peak	Horizontal
*	7156.0	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
*	7205.0	34.3	13.6	47.9	88.2	-40.3	Peak	Vertical
	8204.5	34.3	14.6	48.9	74.0	-25.1	Peak	Vertical
	8221.6	34.3	14.5	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7816.1	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
*	7908.0	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8451.6	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	8775.1	34.8	14.5	49.3	74.0	-24.7	Peak	Horizontal
*	7805.0	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	7866.9	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
	8354.0	35.2	14.4	49.6	74.0	-24.4	Peak	Vertical
	8461.1	34.3	14.5	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7110.6	35.5	13.4	48.9	88.2	-39.3	Peak	Horizontal
*	7162.9	34.3	13.6	47.9	88.2	-40.3	Peak	Horizontal
	8110.4	34.2	15.1	49.3	74.0	-24.7	Peak	Horizontal
	8181.4	34.0	14.7	48.7	74.0	-25.3	Peak	Horizontal
*	7064.0	35.0	13.2	48.2	88.2	-40.0	Peak	Vertical
*	7118.9	35.2	13.4	48.6	88.2	-39.6	Peak	Vertical
	8056.4	34.1	15.2	49.3	74.0	-24.7	Peak	Vertical
	8172.0	33.9	14.8	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7206.1	34.6	13.6	48.2	88.2	-40.0	Peak	Horizontal
*	7224.6	35.2	13.7	48.9	88.2	-39.3	Peak	Horizontal
	8201.6	34.5	14.6	49.1	74.0	-24.9	Peak	Horizontal
	8336.1	34.1	14.5	48.6	74.0	-25.4	Peak	Horizontal
*	7204.0	34.5	13.6	48.1	88.2	-40.1	Peak	Vertical
*	7244.0	34.9	13.8	48.7	88.2	-39.5	Peak	Vertical
	8264.5	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	8354.9	34.5	14.4	48.9	74.0	-25.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7804.2	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	7811.5	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
	8401.2	34.7	14.5	49.2	74.0	-24.8	Peak	Horizontal
	8499.6	34.3	14.7	49.0	74.0	-25.0	Peak	Horizontal
*	7804.6	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
*	7846.0	34.0	15.1	49.1	88.2	-39.1	Peak	Vertical
	8394.1	35.5	14.4	49.9	74.0	-24.1	Peak	Vertical
	8495.4	33.5	14.7	48.2	74.0	-25.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7104.0	34.5	13.4	47.9	88.2	-40.3	Peak	Horizontal
*	7183.2	35.2	13.6	48.8	88.2	-39.4	Peak	Horizontal
	8114.2	34.3	15.1	49.4	74.0	-24.6	Peak	Horizontal
	8214.7	34.3	14.6	48.9	74.0	-25.1	Peak	Horizontal
*	7084.1	34.7	13.3	48.0	88.2	-40.2	Peak	Vertical
*	7111.5	34.7	13.4	48.1	88.2	-40.1	Peak	Vertical
	8094.0	34.0	15.1	49.1	74.0	-24.9	Peak	Vertical
	8110.7	33.8	15.1	48.9	74.0	-25.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7198.4	34.7	13.6	48.3	88.2	-39.9	Peak	Horizontal
*	7201.6	34.6	13.6	48.2	88.2	-40.0	Peak	Horizontal
	8264.3	33.7	14.4	48.1	74.0	-25.9	Peak	Horizontal
	8344.4	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
*	7199.4	34.7	13.6	48.3	88.2	-39.9	Peak	Vertical
*	7241.5	34.4	13.8	48.2	88.2	-40.0	Peak	Vertical
	8201.5	33.6	14.6	48.2	74.0	-25.8	Peak	Vertical
	8354.2	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7807.1	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
*	7893.2	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
	8451.2	35.0	14.5	49.5	74.0	-24.5	Peak	Horizontal
	8487.2	34.1	14.7	48.8	74.0	-25.2	Peak	Horizontal
*	7811.9	33.6	15.0	48.6	88.2	-39.6	Peak	Vertical
*	7924.1	34.8	15.1	49.9	88.2	-38.3	Peak	Vertical
	8369.9	35.0	14.4	49.4	74.0	-24.6	Peak	Vertical
	8432.2	34.1	14.6	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7097.0	34.5	13.3	47.8	88.2	-40.4	Peak	Horizontal
*	7114.0	34.9	13.4	48.3	88.2	-39.9	Peak	Horizontal
	8094.5	34.0	15.1	49.1	74.0	-24.9	Peak	Horizontal
	8193.7	34.2	14.7	48.9	74.0	-25.1	Peak	Horizontal
*	7046.9	35.1	13.1	48.2	88.2	-40.0	Peak	Vertical
*	7114.9	34.6	13.4	48.0	88.2	-40.2	Peak	Vertical
	8177.4	34.1	14.8	48.9	74.0	-25.1	Peak	Vertical
	8258.2	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7204.0	35.1	13.6	48.7	88.2	-39.5	Peak	Horizontal
*	7214.1	34.6	13.7	48.3	88.2	-39.9	Peak	Horizontal
	8194.7	34.1	14.7	48.8	74.0	-25.2	Peak	Horizontal
	8267.9	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
*	7198.4	34.9	13.6	48.5	88.2	-39.7	Peak	Vertical
*	7206.9	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
	8284.1	34.8	14.3	49.1	74.0	-24.9	Peak	Vertical
	8344.9	35.6	14.4	50.0	74.0	-24.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7241.6	34.5	13.8	48.3	88.2	-39.9	Peak	Horizontal
*	7804.0	34.2	15.0	49.2	88.2	-39.0	Peak	Horizontal
	8331.4	34.6	14.5	49.1	74.0	-24.9	Peak	Horizontal
	8424.9	34.5	14.6	49.1	74.0	-24.9	Peak	Horizontal
*	7814.9	33.9	15.0	48.9	88.2	-39.3	Peak	Vertical
*	7824.2	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	8354.7	35.4	14.4	49.8	74.0	-24.2	Peak	Vertical
	8494.7	33.7	14.7	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7047.8	35.3	13.1	48.4	88.2	-39.8	Peak	Horizontal
*	7157.0	35.1	13.6	48.7	88.2	-39.5	Peak	Horizontal
	8046.0	33.5	15.2	48.7	74.0	-25.3	Peak	Horizontal
	8118.2	34.2	15.0	49.2	74.0	-24.8	Peak	Horizontal
*	7044.9	34.8	13.1	47.9	88.2	-40.3	Peak	Vertical
*	7086.1	35.5	13.3	48.8	88.2	-39.4	Peak	Vertical
	8098.8	34.4	15.1	49.5	74.0	-24.5	Peak	Vertical
	8171.2	33.9	14.8	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7187.3	34.8	13.6	48.4	88.2	-39.8	Peak	Horizontal
*	7246.0	34.8	13.8	48.6	88.2	-39.6	Peak	Horizontal
	8156.1	34.0	14.9	48.9	74.0	-25.1	Peak	Horizontal
	8249.8	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
*	7098.6	34.3	13.4	47.7	88.2	-40.5	Peak	Vertical
*	7193.0	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
	8224.1	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical
	8241.6	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7784.0	33.5	15.0	48.5	88.2	-39.7	Peak	Horizontal
*	7849.0	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8336.2	34.7	14.5	49.2	74.0	-24.8	Peak	Horizontal
	8466.1	33.9	14.6	48.5	74.0	-25.5	Peak	Horizontal
*	7206.1	35.0	13.6	48.6	88.2	-39.6	Peak	Vertical
*	7217.2	35.1	13.7	48.8	88.2	-39.4	Peak	Vertical
	8319.7	34.1	14.4	48.5	74.0	-25.5	Peak	Vertical
	8494.4	34.0	14.7	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7017.0	34.9	12.9	47.8	88.2	-40.4	Peak	Horizontal
*	7154.5	34.9	13.6	48.5	88.2	-39.7	Peak	Horizontal
	8114.4	34.4	15.1	49.5	74.0	-24.5	Peak	Horizontal
	8204.8	33.5	14.6	48.1	74.0	-25.9	Peak	Horizontal
*	7142.1	34.1	13.5	47.6	88.2	-40.6	Peak	Vertical
*	7180.2	34.7	13.6	48.3	88.2	-39.9	Peak	Vertical
	8097.1	33.5	15.1	48.6	74.0	-25.4	Peak	Vertical
	8174.1	34.3	14.8	49.1	74.0	-24.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7244.0	35.3	13.8	49.1	88.2	-39.1	Peak	Horizontal
*	7246.0	35.4	13.8	49.2	88.2	-39.0	Peak	Horizontal
	8248.1	33.8	14.5	48.3	74.0	-25.7	Peak	Horizontal
	8248.7	33.8	14.5	48.3	74.0	-25.7	Peak	Horizontal
*	7207.8	34.6	13.7	48.3	88.2	-39.9	Peak	Vertical
*	7814.9	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
	8247.0	33.6	14.5	48.1	74.0	-25.9	Peak	Vertical
	8264.1	34.0	14.4	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7844.1	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	7947.2	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
	8344.9	34.9	14.4	49.3	74.0	-24.7	Peak	Horizontal
	8411.0	35.0	14.5	49.5	74.0	-24.5	Peak	Horizontal
*	7924.1	33.9	15.1	49.0	88.2	-39.2	Peak	Vertical
*	7974.1	33.7	15.0	48.7	88.2	-39.5	Peak	Vertical
	8345.1	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	8414.0	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7068.0	34.8	13.2	48.0	88.2	-40.2	Peak	Horizontal
*	7099.4	34.8	13.4	48.2	88.2	-40.0	Peak	Horizontal
	8024.4	33.9	15.1	49.0	74.0	-25.0	Peak	Horizontal
	8094.4	33.9	15.1	49.0	74.0	-25.0	Peak	Horizontal
*	7041.6	35.7	13.0	48.7	88.2	-39.5	Peak	Vertical
*	7091.0	34.4	13.3	47.7	88.2	-40.5	Peak	Vertical
	8091.9	34.2	15.1	49.3	74.0	-24.7	Peak	Vertical
	8210.7	33.6	14.6	48.2	74.0	-25.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7114.6	34.6	13.4	48.0	88.2	-40.2	Peak	Horizontal
*	7144.1	34.4	13.5	47.9	88.2	-40.3	Peak	Horizontal
	8114.1	34.0	15.1	49.1	74.0	-24.9	Peak	Horizontal
	8241.7	33.5	14.5	48.0	74.0	-26.0	Peak	Horizontal
*	7146.1	33.8	13.5	47.3	88.2	-40.9	Peak	Vertical
*	7204.0	34.4	13.6	48.0	88.2	-40.2	Peak	Vertical
	8271.0	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	8305.4	34.1	14.3	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7206.1	35.0	13.6	48.6	88.2	-39.6	Peak	Horizontal
*	7207.9	34.7	13.7	48.4	88.2	-39.8	Peak	Horizontal
	8364.1	34.2	14.4	48.6	74.0	-25.4	Peak	Horizontal
	8416.5	35.1	14.5	49.6	74.0	-24.4	Peak	Horizontal
*	7224.2	34.7	13.7	48.4	88.2	-39.8	Peak	Vertical
*	7812.0	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
	8402.4	34.5	14.5	49.0	74.0	-25.0	Peak	Vertical
	8496.0	33.7	14.7	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7048.1	34.8	13.1	47.9	88.2	-40.3	Peak	Horizontal
*	7082.0	35.0	13.3	48.3	88.2	-39.9	Peak	Horizontal
	8064.3	34.2	15.2	49.4	74.0	-24.6	Peak	Horizontal
	8142.4	33.2	15.0	48.2	74.0	-25.8	Peak	Horizontal
*	7047.7	34.8	13.1	47.9	88.2	-40.3	Peak	Vertical
*	7118.9	34.8	13.4	48.2	88.2	-40.0	Peak	Vertical
	8098.4	33.8	15.1	48.9	74.0	-25.1	Peak	Vertical
	8144.0	34.2	15.0	49.2	74.0	-24.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7142.9	34.0	13.5	47.5	88.2	-40.7	Peak	Horizontal
*	7221.9	34.9	13.7	48.6	88.2	-39.6	Peak	Horizontal
	8206.8	34.1	14.6	48.7	74.0	-25.3	Peak	Horizontal
	8334.1	33.8	14.5	48.3	74.0	-25.7	Peak	Horizontal
*	7195.5	34.1	13.6	47.7	88.2	-40.5	Peak	Vertical
*	7201.6	34.2	13.6	47.8	88.2	-40.4	Peak	Vertical
	8214.2	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	8254.7	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7764.1	33.2	14.8	48.0	88.2	-40.2	Peak	Horizontal
*	7811.5	34.2	15.0	49.2	88.2	-39.0	Peak	Horizontal
	8397.7	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	8452.7	34.9	14.5	49.4	74.0	-24.6	Peak	Horizontal
*	7204.9	34.3	13.6	47.9	88.2	-40.3	Peak	Vertical
*	7814.0	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	8359.0	34.6	14.4	49.0	74.0	-25.0	Peak	Vertical
	8446.1	34.6	14.5	49.1	74.0	-24.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7048.0	35.2	13.1	48.3	88.2	-39.9	Peak	Horizontal
*	7114.1	34.7	13.4	48.1	88.2	-40.1	Peak	Horizontal
	7846.2	33.7	15.1	48.8	74.0	-25.2	Peak	Horizontal
	8114.1	34.4	15.1	49.5	74.0	-24.5	Peak	Horizontal
*	7041.8	35.1	13.0	48.1	88.2	-40.1	Peak	Vertical
*	7144.8	34.1	13.5	47.6	88.2	-40.6	Peak	Vertical
	8084.0	33.9	15.2	49.1	74.0	-24.9	Peak	Vertical
	8118.1	34.5	15.0	49.5	74.0	-24.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7125.0	34.1	13.5	47.6	88.2	-40.6	Peak	Horizontal
*	7195.2	34.6	13.6	48.2	88.2	-40.0	Peak	Horizontal
	8206.1	35.2	14.6	49.8	74.0	-24.2	Peak	Horizontal
	8312.7	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
*	7204.0	34.3	13.6	47.9	88.2	-40.3	Peak	Vertical
*	7211.8	35.0	13.7	48.7	88.2	-39.5	Peak	Vertical
	8206.7	34.8	14.6	49.4	74.0	-24.6	Peak	Vertical
	8301.8	34.0	14.3	48.3	74.0	-25.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7204.8	34.5	13.6	48.1	88.2	-40.1	Peak	Horizontal
*	7810.0	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
	8412.1	34.1	14.5	48.6	74.0	-25.4	Peak	Horizontal
	8491.1	34.2	14.7	48.9	74.0	-25.1	Peak	Horizontal
*	7241.6	35.8	13.8	49.6	88.2	-38.6	Peak	Vertical
*	7812.9	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
	8406.7	35.1	14.5	49.6	74.0	-24.4	Peak	Vertical
	8472.1	33.7	14.6	48.3	74.0	-25.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7036.4	35.3	13.0	48.3	88.2	-39.9	Peak	Horizontal
*	7116.3	34.4	13.4	47.8	88.2	-40.4	Peak	Horizontal
	8045.7	34.6	15.2	49.8	74.0	-24.2	Peak	Horizontal
	8108.1	34.0	15.1	49.1	74.0	-24.9	Peak	Horizontal
*	7087.4	35.1	13.3	48.4	88.2	-39.8	Peak	Vertical
*	7102.9	34.7	13.4	48.1	88.2	-40.1	Peak	Vertical
	8084.0	33.7	15.2	48.9	74.0	-25.1	Peak	Vertical
	8114.3	33.8	15.1	48.9	74.0	-25.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7189.4	35.1	13.6	48.7	88.2	-39.5	Peak	Horizontal
*	7204.2	34.7	13.6	48.3	88.2	-39.9	Peak	Horizontal
	8204.9	33.3	14.6	47.9	74.0	-26.1	Peak	Horizontal
	8284.5	34.0	14.3	48.3	74.0	-25.7	Peak	Horizontal
*	7158.4	35.0	13.6	48.6	88.2	-39.6	Peak	Vertical
*	7249.7	34.8	13.8	48.6	88.2	-39.6	Peak	Vertical
	8216.7	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical
	8268.0	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7247.1	34.3	13.8	48.1	88.2	-40.1	Peak	Horizontal
*	7841.5	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
	8320.4	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
	8451.9	34.1	14.5	48.6	74.0	-25.4	Peak	Horizontal
*	7811.5	34.2	15.0	49.2	88.2	-39.0	Peak	Vertical
*	7935.0	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8342.9	34.4	14.4	48.8	74.0	-25.2	Peak	Vertical
	8451.6	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7048.0	34.7	13.1	47.8	88.2	-40.4	Peak	Horizontal
*	7110.4	35.3	13.4	48.7	88.2	-39.5	Peak	Horizontal
	8080.4	34.1	15.2	49.3	74.0	-24.7	Peak	Horizontal
	8148.4	34.1	14.9	49.0	74.0	-25.0	Peak	Horizontal
*	787.9	37.6	-1.0	36.6	88.2	-51.6	Peak	Vertical
*	7097.9	34.9	13.3	48.2	88.2	-40.0	Peak	Vertical
	8064.7	33.9	15.2	49.1	74.0	-24.9	Peak	Vertical
	8117.6	34.1	15.1	49.2	74.0	-24.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	34.8	13.6	48.4	88.2	-39.8	Peak	Horizontal
*	7204.9	34.2	13.6	47.8	88.2	-40.4	Peak	Horizontal
	8207.0	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
	8317.2	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
*	7117.8	34.3	13.4	47.7	88.2	-40.5	Peak	Vertical
*	7185.2	34.9	13.6	48.5	88.2	-39.7	Peak	Vertical
	8224.3	34.2	14.5	48.7	74.0	-25.3	Peak	Vertical
	8286.3	33.6	14.3	47.9	74.0	-26.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7227.1	35.3	13.7	49.0	88.2	-39.2	Peak	Horizontal
*	7807.9	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8348.7	34.7	14.4	49.1	74.0	-24.9	Peak	Horizontal
	8477.6	33.7	14.6	48.3	74.0	-25.7	Peak	Horizontal
*	7801.9	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
*	7916.8	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
	8364.7	34.7	14.4	49.1	74.0	-24.9	Peak	Vertical
	8463.0	33.5	14.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7039.4	34.8	13.0	47.8	88.2	-40.4	Peak	Horizontal
*	7096.1	33.9	13.3	47.2	88.2	-41.0	Peak	Horizontal
	8064.7	34.4	15.2	49.6	74.0	-24.4	Peak	Horizontal
	8109.2	34.2	15.1	49.3	74.0	-24.7	Peak	Horizontal
*	7044.9	35.3	13.1	48.4	88.2	-39.8	Peak	Vertical
*	7110.6	35.0	13.4	48.4	88.2	-39.8	Peak	Vertical
	8142.9	33.8	15.0	48.8	74.0	-25.2	Peak	Vertical
	8204.6	34.2	14.6	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7159.2	34.1	13.6	47.7	88.2	-40.5	Peak	Horizontal
*	7846.1	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
	8238.4	33.7	14.5	48.2	74.0	-25.8	Peak	Horizontal
	8308.4	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
*	7186.2	34.4	13.6	48.0	88.2	-40.2	Peak	Vertical
*	7204.1	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
	8286.8	34.2	14.3	48.5	74.0	-25.5	Peak	Vertical
	8314.2	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7924.1	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
*	8004.9	33.8	15.1	48.9	88.2	-39.3	Peak	Horizontal
	8414.6	34.4	14.5	48.9	74.0	-25.1	Peak	Horizontal
	8487.2	33.7	14.7	48.4	74.0	-25.6	Peak	Horizontal
*	7804.6	34.4	15.0	49.4	88.2	-38.8	Peak	Vertical
*	7906.4	33.8	15.0	48.8	88.2	-39.4	Peak	Vertical
	8401.1	34.6	14.5	49.1	74.0	-24.9	Peak	Vertical
	8483.5	33.3	14.6	47.9	74.0	-26.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

**Test by Dipole Antenna - 2dBi**

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.2	34.4	13.3	47.7	88.2	-40.5	Peak	Horizontal
*	7142.0	33.8	13.5	47.3	88.2	-40.9	Peak	Horizontal
	8114.6	33.7	15.1	48.8	74.0	-25.2	Peak	Horizontal
	8204.8	34.7	14.6	49.3	74.0	-24.7	Peak	Horizontal
*	7094.0	35.7	13.3	49.0	88.2	-39.2	Peak	Vertical
*	7146.5	34.8	13.5	48.3	88.2	-39.9	Peak	Vertical
	8080.5	34.7	15.2	49.9	74.0	-24.1	Peak	Vertical
	8148.0	33.0	14.9	47.9	74.0	-26.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7183.1	34.3	13.6	47.9	88.2	-40.3	Peak	Horizontal
*	7204.6	34.0	13.6	47.6	88.2	-40.6	Peak	Horizontal
	8294.5	33.9	14.3	48.2	74.0	-25.8	Peak	Horizontal
	8348.1	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
*	7189.0	35.0	13.6	48.6	88.2	-39.6	Peak	Vertical
*	7236.0	35.8	13.8	49.6	88.2	-38.6	Peak	Vertical
	8207.6	34.1	14.6	48.7	74.0	-25.3	Peak	Vertical
	8291.5	33.8	14.3	48.1	74.0	-25.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7234.8	34.8	13.8	48.6	88.2	-39.6	Peak	Horizontal
*	7812.6	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8406.0	34.5	14.5	49.0	74.0	-25.0	Peak	Horizontal
	8492.1	34.4	14.7	49.1	74.0	-24.9	Peak	Horizontal
*	7814.0	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	7908.3	34.1	15.0	49.1	88.2	-39.1	Peak	Vertical
	8341.5	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical
	8416.2	35.0	14.5	49.5	74.0	-24.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	829.7	38.6	-1.7	36.9	88.2	-51.3	Peak	Horizontal
*	7085.0	34.7	13.3	48.0	88.2	-40.2	Peak	Horizontal
	7945.2	32.9	15.1	48.0	74.0	-26.0	Peak	Horizontal
	8094.5	33.7	15.1	48.8	74.0	-25.2	Peak	Horizontal
*	7084.0	35.6	13.3	48.9	88.2	-39.3	Peak	Vertical
*	7151.9	34.6	13.5	48.1	88.2	-40.1	Peak	Vertical
	8114.1	33.9	15.1	49.0	74.0	-25.0	Peak	Vertical
	8245.2	34.0	14.5	48.5	74.0	-25.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7146.5	34.2	13.5	47.7	88.2	-40.5	Peak	Horizontal
*	7205.6	34.0	13.6	47.6	88.2	-40.6	Peak	Horizontal
	8204.6	33.6	14.6	48.2	74.0	-25.8	Peak	Horizontal
	8294.0	34.3	14.3	48.6	74.0	-25.4	Peak	Horizontal
*	7189.4	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
*	7206.4	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
	8296.4	34.4	14.3	48.7	74.0	-25.3	Peak	Vertical
	8306.4	34.6	14.3	48.9	74.0	-25.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7243.9	34.8	13.8	48.6	88.2	-39.6	Peak	Horizontal
*	7854.0	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
	8315.0	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	8467.7	33.8	14.6	48.4	74.0	-25.6	Peak	Horizontal
*	7236.1	35.7	13.8	49.5	88.2	-38.7	Peak	Vertical
*	7846.2	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8389.4	35.7	14.4	50.1	74.0	-23.9	Peak	Vertical
	8441.9	34.5	14.6	49.1	74.0	-24.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7091.0	34.3	13.3	47.6	88.2	-40.6	Peak	Horizontal
*	7116.8	34.7	13.4	48.1	88.2	-40.1	Peak	Horizontal
	8104.5	34.4	15.1	49.5	74.0	-24.5	Peak	Horizontal
	8189.2	34.3	14.7	49.0	74.0	-25.0	Peak	Horizontal
*	7098.2	34.4	13.4	47.8	88.2	-40.4	Peak	Vertical
*	7194.1	35.1	13.6	48.7	88.2	-39.5	Peak	Vertical
	8094.1	33.8	15.1	48.9	74.0	-25.1	Peak	Vertical
	8146.0	33.6	15.0	48.6	74.0	-25.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7209.1	34.7	13.7	48.4	88.2	-39.8	Peak	Horizontal
*	7242.9	34.9	13.8	48.7	88.2	-39.5	Peak	Horizontal
	8271.1	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	8339.0	34.7	14.5	49.2	74.0	-24.8	Peak	Horizontal
*	7206.0	34.8	13.6	48.4	88.2	-39.8	Peak	Vertical
*	7243.9	34.8	13.8	48.6	88.2	-39.6	Peak	Vertical
	8264.8	33.9	14.4	48.3	74.0	-25.7	Peak	Vertical
	8306.4	34.5	14.3	48.8	74.0	-25.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.8	34.4	15.1	49.5	88.2	-38.7	Peak	Horizontal
*	7913.9	33.9	15.0	48.9	88.2	-39.3	Peak	Horizontal
	8395.2	34.9	14.4	49.3	74.0	-24.7	Peak	Horizontal
	8441.2	35.2	14.6	49.8	74.0	-24.2	Peak	Horizontal
*	7809.9	34.5	15.0	49.5	88.2	-38.7	Peak	Vertical
*	7945.7	33.6	15.1	48.7	88.2	-39.5	Peak	Vertical
	8428.0	34.7	14.6	49.3	74.0	-24.7	Peak	Vertical
	8495.9	34.4	14.7	49.1	74.0	-24.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7081.6	34.7	13.3	48.0	88.2	-40.2	Peak	Horizontal
*	7110.6	34.7	13.4	48.1	88.2	-40.1	Peak	Horizontal
	8094.6	33.8	15.1	48.9	74.0	-25.1	Peak	Horizontal
	8114.6	35.6	15.1	50.7	74.0	-23.3	Peak	Horizontal
*	7099.3	34.8	13.4	48.2	88.2	-40.0	Peak	Vertical
*	7110.4	35.0	13.4	48.4	88.2	-39.8	Peak	Vertical
	8084.0	33.6	15.2	48.8	74.0	-25.2	Peak	Vertical
	8106.9	34.7	15.1	49.8	74.0	-24.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7208.1	34.9	13.7	48.6	88.2	-39.6	Peak	Horizontal
*	7244.0	34.7	13.8	48.5	88.2	-39.7	Peak	Horizontal
	8204.0	33.8	14.6	48.4	74.0	-25.6	Peak	Horizontal
	8297.4	34.0	14.3	48.3	74.0	-25.7	Peak	Horizontal
*	7168.8	34.6	13.6	48.2	88.2	-40.0	Peak	Vertical
*	7223.9	35.0	13.7	48.7	88.2	-39.5	Peak	Vertical
	8215.6	34.3	14.6	48.9	74.0	-25.1	Peak	Vertical
	8284.9	33.4	14.3	47.7	74.0	-26.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11a – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.0	33.2	15.1	48.3	88.2	-39.9	Peak	Horizontal
*	7942.8	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
	8306.4	34.2	14.3	48.5	74.0	-25.5	Peak	Horizontal
	8394.7	34.5	14.4	48.9	74.0	-25.1	Peak	Horizontal
*	7845.6	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	7941.6	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
	8309.9	34.5	14.4	48.9	74.0	-25.1	Peak	Vertical
	8446.8	34.9	14.5	49.4	74.0	-24.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7074.2	35.2	13.2	48.4	88.2	-39.8	Peak	Horizontal
*	7115.0	35.0	13.4	48.4	88.2	-39.8	Peak	Horizontal
	8097.0	33.6	15.1	48.7	74.0	-25.3	Peak	Horizontal
	8140.8	33.7	15.0	48.7	74.0	-25.3	Peak	Horizontal
*	7049.0	34.2	13.1	47.3	88.2	-40.9	Peak	Vertical
*	7109.8	34.4	13.4	47.8	88.2	-40.4	Peak	Vertical
	8039.8	33.3	15.2	48.5	74.0	-25.5	Peak	Vertical
	8184.8	33.8	14.7	48.5	74.0	-25.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7206.0	35.4	13.6	49.0	88.2	-39.2	Peak	Horizontal
*	7810.8	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
	8207.9	34.0	14.6	48.6	74.0	-25.4	Peak	Horizontal
	8209.7	34.1	14.6	48.7	74.0	-25.3	Peak	Horizontal
*	7206.8	34.3	13.6	47.9	88.2	-40.3	Peak	Vertical
*	7848.4	32.4	15.1	47.5	88.2	-40.7	Peak	Vertical
	8204.9	33.7	14.6	48.3	74.0	-25.7	Peak	Vertical
	8297.7	34.1	14.3	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7908.9	34.5	15.0	49.5	88.2	-38.7	Peak	Horizontal
*	8004.8	34.5	15.1	49.6	88.2	-38.6	Peak	Horizontal
	8344.2	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	8425.7	34.6	14.6	49.2	74.0	-24.8	Peak	Horizontal
*	7869.4	33.4	15.0	48.4	88.2	-39.8	Peak	Vertical
*	7908.6	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
	8387.0	35.1	14.4	49.5	74.0	-24.5	Peak	Vertical
	8468.4	33.9	14.6	48.5	74.0	-25.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7047.8	34.7	13.1	47.8	88.2	-40.4	Peak	Horizontal
*	7147.8	33.9	13.5	47.4	88.2	-40.8	Peak	Horizontal
	8097.7	32.9	15.1	48.0	74.0	-26.0	Peak	Horizontal
	8173.3	34.4	14.8	49.2	74.0	-24.8	Peak	Horizontal
*	7057.9	34.7	13.1	47.8	88.2	-40.4	Peak	Vertical
*	7105.9	33.5	13.4	46.9	88.2	-41.3	Peak	Vertical
	8084.9	33.7	15.2	48.9	74.0	-25.1	Peak	Vertical
	8164.8	32.5	14.8	47.3	74.0	-26.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7208.0	35.1	13.7	48.8	88.2	-39.4	Peak	Horizontal
*	7236.8	34.4	13.8	48.2	88.2	-40.0	Peak	Horizontal
	8186.8	33.9	14.7	48.6	74.0	-25.4	Peak	Horizontal
	8239.0	33.0	14.5	47.5	74.0	-26.5	Peak	Horizontal
*	7204.9	34.5	13.6	48.1	88.2	-40.1	Peak	Vertical
*	7247.5	33.4	13.8	47.2	88.2	-41.0	Peak	Vertical
	8246.9	33.2	14.5	47.7	74.0	-26.3	Peak	Vertical
	8338.4	34.4	14.5	48.9	74.0	-25.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.9	33.9	15.0	48.9	88.2	-39.3	Peak	Horizontal
*	7944.8	33.7	15.1	48.8	88.2	-39.4	Peak	Horizontal
	8308.6	34.8	14.4	49.2	74.0	-24.8	Peak	Horizontal
	8409.0	34.2	14.5	48.7	74.0	-25.3	Peak	Horizontal
*	7841.9	31.7	15.1	46.8	88.2	-41.4	Peak	Vertical
*	7969.8	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
	8407.9	33.9	14.5	48.4	74.0	-25.6	Peak	Vertical
	8485.6	33.8	14.6	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7063.0	34.1	13.1	47.2	88.2	-41.0	Peak	Horizontal
*	7135.8	34.1	13.5	47.6	88.2	-40.6	Peak	Horizontal
	8097.5	32.5	15.1	47.6	74.0	-26.4	Peak	Horizontal
	8156.8	32.8	14.9	47.7	74.0	-26.3	Peak	Horizontal
*	7081.5	34.9	13.3	48.2	88.2	-40.0	Peak	Vertical
*	7114.9	33.7	13.4	47.1	88.2	-41.1	Peak	Vertical
	8071.9	33.7	15.2	48.9	74.0	-25.1	Peak	Vertical
	8148.6	32.6	14.9	47.5	74.0	-26.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7217.8	34.7	13.7	48.4	88.2	-39.8	Peak	Horizontal
*	7248.6	34.1	13.8	47.9	88.2	-40.3	Peak	Horizontal
	8275.0	34.2	14.3	48.5	74.0	-25.5	Peak	Horizontal
	8347.0	34.3	14.4	48.7	74.0	-25.3	Peak	Horizontal
*	7209.8	34.1	13.7	47.8	88.2	-40.4	Peak	Vertical
*	7845.9	32.5	15.1	47.6	88.2	-40.6	Peak	Vertical
	8236.9	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	8374.0	34.3	14.4	48.7	74.0	-25.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7784.1	32.3	15.0	47.3	88.2	-40.9	Peak	Horizontal
*	7804.9	32.7	15.0	47.7	88.2	-40.5	Peak	Horizontal
	8425.8	33.7	14.6	48.3	74.0	-25.7	Peak	Horizontal
	8498.4	34.3	14.7	49.0	74.0	-25.0	Peak	Horizontal
*	7942.8	32.9	15.1	48.0	88.2	-40.2	Peak	Vertical
*	8004.9	33.0	15.1	48.1	88.2	-40.1	Peak	Vertical
	8392.0	33.4	14.4	47.8	74.0	-26.2	Peak	Vertical
	8479.3	32.8	14.6	47.4	74.0	-26.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7057.0	34.6	13.1	47.7	88.2	-40.5	Peak	Horizontal
*	7117.9	33.9	13.4	47.3	88.2	-40.9	Peak	Horizontal
	8089.7	33.4	15.1	48.5	74.0	-25.5	Peak	Horizontal
	8196.8	33.3	14.6	47.9	74.0	-26.1	Peak	Horizontal
*	7110.9	33.8	13.4	47.2	88.2	-41.0	Peak	Vertical
*	7189.9	33.5	13.6	47.1	88.2	-41.1	Peak	Vertical
	8095.9	33.4	15.1	48.5	74.0	-25.5	Peak	Vertical
	8156.7	33.5	14.9	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7198.9	34.4	13.6	48.0	88.2	-40.2	Peak	Horizontal
*	7239.8	34.0	13.8	47.8	88.2	-40.4	Peak	Horizontal
	8259.2	33.9	14.4	48.3	74.0	-25.7	Peak	Horizontal
	8341.9	34.0	14.5	48.5	74.0	-25.5	Peak	Horizontal
*	7216.9	34.2	13.7	47.9	88.2	-40.3	Peak	Vertical
*	7236.9	33.8	13.8	47.6	88.2	-40.6	Peak	Vertical
	8231.9	33.2	14.5	47.7	74.0	-26.3	Peak	Vertical
	8254.6	32.9	14.4	47.3	74.0	-26.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7841.9	33.0	15.1	48.1	88.2	-40.1	Peak	Horizontal
*	7912.9	33.3	15.0	48.3	88.2	-39.9	Peak	Horizontal
	8406.9	33.9	14.5	48.4	74.0	-25.6	Peak	Horizontal
	8476.9	32.8	14.6	47.4	74.0	-26.6	Peak	Horizontal
*	7814.9	32.7	15.0	47.7	88.2	-40.5	Peak	Vertical
*	7941.2	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	8345.6	34.2	14.4	48.6	74.0	-25.4	Peak	Vertical
	8415.5	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7066.9	34.9	13.2	48.1	88.2	-40.1	Peak	Horizontal
*	7144.9	33.6	13.5	47.1	88.2	-41.1	Peak	Horizontal
	8095.8	33.4	15.1	48.5	74.0	-25.5	Peak	Horizontal
	8146.8	33.1	15.0	48.1	74.0	-25.9	Peak	Horizontal
*	7056.9	34.0	13.1	47.1	88.2	-41.1	Peak	Vertical
*	7114.9	34.3	13.4	47.7	88.2	-40.5	Peak	Vertical
	8087.9	33.9	15.1	49.0	74.0	-25.0	Peak	Vertical
	8174.9	33.6	14.8	48.4	74.0	-25.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7204.6	34.0	13.6	47.6	88.2	-40.6	Peak	Horizontal
*	7243.7	34.1	13.8	47.9	88.2	-40.3	Peak	Horizontal
	8206.8	32.9	14.6	47.5	74.0	-26.5	Peak	Horizontal
	8297.8	33.8	14.3	48.1	74.0	-25.9	Peak	Horizontal
*	7204.9	33.5	13.6	47.1	88.2	-41.1	Peak	Vertical
*	7247.9	33.7	13.8	47.5	88.2	-40.7	Peak	Vertical
	8236.8	32.8	14.5	47.3	74.0	-26.7	Peak	Vertical
	8297.4	32.5	14.3	46.8	74.0	-27.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7804.9	33.4	15.0	48.4	88.2	-39.8	Peak	Horizontal
*	7914.9	34.2	15.0	49.2	88.2	-39.0	Peak	Horizontal
	8341.0	34.1	14.5	48.6	74.0	-25.4	Peak	Horizontal
	8465.9	33.5	14.6	48.1	74.0	-25.9	Peak	Horizontal
*	7845.9	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
*	7941.8	31.9	15.1	47.0	88.2	-41.2	Peak	Vertical
	8348.7	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	8415.9	33.0	14.5	47.5	74.0	-26.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7084.9	35.0	13.3	48.3	88.2	-39.9	Peak	Horizontal
*	7116.9	33.7	13.4	47.1	88.2	-41.1	Peak	Horizontal
	8078.9	33.8	15.2	49.0	74.0	-25.0	Peak	Horizontal
	8146.8	33.1	15.0	48.1	74.0	-25.9	Peak	Horizontal
*	7084.9	34.5	13.3	47.8	88.2	-40.4	Peak	Vertical
*	7116.9	34.3	13.4	47.7	88.2	-40.5	Peak	Vertical
	8075.9	33.9	15.2	49.1	74.0	-24.9	Peak	Vertical
	8145.9	32.6	15.0	47.6	74.0	-26.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7209.9	34.2	13.7	47.9	88.2	-40.3	Peak	Horizontal
*	7847.9	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
	8264.9	33.1	14.4	47.5	74.0	-26.5	Peak	Horizontal
	8314.9	34.0	14.4	48.4	74.0	-25.6	Peak	Horizontal
*	7204.7	34.5	13.6	48.1	88.2	-40.1	Peak	Vertical
*	7224.9	34.8	13.7	48.5	88.2	-39.7	Peak	Vertical
	8246.9	32.8	14.5	47.3	74.0	-26.7	Peak	Vertical
	8364.8	33.7	14.4	48.1	74.0	-25.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT20 – Ant 0+1	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7904.8	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
*	7914.9	34.1	15.0	49.1	88.2	-39.1	Peak	Horizontal
	8394.8	33.5	14.4	47.9	74.0	-26.1	Peak	Horizontal
	8468.7	32.7	14.6	47.3	74.0	-26.7	Peak	Horizontal
*	7847.8	32.3	15.1	47.4	88.2	-40.8	Peak	Vertical
*	7941.9	32.7	15.1	47.8	88.2	-40.4	Peak	Vertical
	8415.9	35.0	14.5	49.5	74.0	-24.5	Peak	Vertical
	8476.2	34.0	14.6	48.6	74.0	-25.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7098.1	34.3	13.3	47.6	88.2	-40.6	Peak	Horizontal
*	7116.9	33.9	13.4	47.3	88.2	-40.9	Peak	Horizontal
	8046.9	33.9	15.2	49.1	74.0	-24.9	Peak	Horizontal
	8146.0	33.0	15.0	48.0	74.0	-26.0	Peak	Horizontal
*	7087.9	35.1	13.3	48.4	88.2	-39.8	Peak	Vertical
*	7116.9	34.5	13.4	47.9	88.2	-40.3	Peak	Vertical
	8084.9	34.5	15.2	49.7	74.0	-24.3	Peak	Vertical
	8149.0	33.2	14.9	48.1	74.0	-25.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7224.9	34.8	13.7	48.5	88.2	-39.7	Peak	Horizontal
*	7845.9	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	8176.9	33.6	14.8	48.4	74.0	-25.6	Peak	Horizontal
	8247.9	32.4	14.5	46.9	74.0	-27.1	Peak	Horizontal
*	7206.9	34.1	13.6	47.7	88.2	-40.5	Peak	Vertical
*	7236.9	34.8	13.8	48.6	88.2	-39.6	Peak	Vertical
	8241.9	33.9	14.5	48.4	74.0	-25.6	Peak	Vertical
	8305.9	34.3	14.3	48.6	74.0	-25.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7884.1	32.8	15.0	47.8	88.2	-40.4	Peak	Horizontal
*	7936.4	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	8362.9	34.6	14.4	49.0	74.0	-25.0	Peak	Horizontal
	8417.2	34.5	14.5	49.0	74.0	-25.0	Peak	Horizontal
*	7845.9	33.4	15.1	48.5	88.2	-39.7	Peak	Vertical
*	7941.8	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	8394.8	34.7	14.4	49.1	74.0	-24.9	Peak	Vertical
	8456.7	34.8	14.5	49.3	74.0	-24.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7063.9	34.7	13.2	47.9	88.2	-40.3	Peak	Horizontal
*	7110.0	34.8	13.4	48.2	88.2	-40.0	Peak	Horizontal
	8076.4	34.3	15.2	49.5	74.0	-24.5	Peak	Horizontal
	8154.9	32.8	14.9	47.7	74.0	-26.3	Peak	Horizontal
*	7099.8	33.6	13.4	47.0	88.2	-41.2	Peak	Vertical
*	7135.9	34.9	13.5	48.4	88.2	-39.8	Peak	Vertical
	8145.6	33.4	15.0	48.4	74.0	-25.6	Peak	Vertical
	8269.4	33.8	14.4	48.2	74.0	-25.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7208.9	33.6	13.7	47.3	88.2	-40.9	Peak	Horizontal
*	7241.9	34.3	13.8	48.1	88.2	-40.1	Peak	Horizontal
	8214.9	33.1	14.6	47.7	74.0	-26.3	Peak	Horizontal
	8364.0	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
*	7198.1	35.3	13.6	48.9	88.2	-39.3	Peak	Vertical
*	7239.8	34.0	13.8	47.8	88.2	-40.4	Peak	Vertical
	8271.9	33.5	14.4	47.9	74.0	-26.1	Peak	Vertical
	8331.6	34.1	14.5	48.6	74.0	-25.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7814.9	32.7	15.0	47.7	88.2	-40.5	Peak	Horizontal
*	7914.9	33.0	15.0	48.0	88.2	-40.2	Peak	Horizontal
	8406.8	33.6	14.5	48.1	74.0	-25.9	Peak	Horizontal
	8467.8	33.5	14.6	48.1	74.0	-25.9	Peak	Horizontal
*	7814.9	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
*	7918.8	34.1	15.1	49.2	88.2	-39.0	Peak	Vertical
	8405.9	33.6	14.5	48.1	74.0	-25.9	Peak	Vertical
	8476.1	32.7	14.6	47.3	74.0	-26.7	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.1	33.4	13.3	46.7	88.2	-41.5	Peak	Horizontal
*	7156.9	34.6	13.6	48.2	88.2	-40.0	Peak	Horizontal
	8097.9	33.1	15.1	48.2	74.0	-25.8	Peak	Horizontal
	8114.6	32.8	15.1	47.9	74.0	-26.1	Peak	Horizontal
*	7087.9	33.6	13.3	46.9	88.2	-41.3	Peak	Vertical
*	7125.8	32.7	13.5	46.2	88.2	-42.0	Peak	Vertical
	8048.9	33.1	15.2	48.3	74.0	-25.7	Peak	Vertical
	8149.0	32.8	14.9	47.7	74.0	-26.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7224.9	34.6	13.7	48.3	88.2	-39.9	Peak	Horizontal
*	7814.7	32.2	15.0	47.2	88.2	-41.0	Peak	Horizontal
	8246.8	33.7	14.5	48.2	74.0	-25.8	Peak	Horizontal
	8296.9	34.0	14.3	48.3	74.0	-25.7	Peak	Horizontal
*	7204.9	34.0	13.6	47.6	88.2	-40.6	Peak	Vertical
*	7798.8	31.9	15.0	46.9	88.2	-41.3	Peak	Vertical
	8206.9	32.9	14.6	47.5	74.0	-26.5	Peak	Vertical
	8296.4	32.7	14.3	47.0	74.0	-27.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)



Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	38	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7936.8	32.3	15.1	47.4	88.2	-40.8	Peak	Horizontal
*	8000.6	33.7	15.0	48.7	88.2	-39.5	Peak	Horizontal
	8364.8	34.9	14.4	49.3	74.0	-24.7	Peak	Horizontal
	8473.9	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
*	7848.6	32.1	15.1	47.2	88.2	-41.0	Peak	Vertical
*	7935.0	32.8	15.1	47.9	88.2	-40.3	Peak	Vertical
	8345.7	34.0	14.4	48.4	74.0	-25.6	Peak	Vertical
	8414.8	33.4	14.5	47.9	74.0	-26.1	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	46	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7048.9	35.1	13.1	48.2	88.2	-40.0	Peak	Horizontal
*	7186.8	34.5	13.6	48.1	88.2	-40.1	Peak	Horizontal
	8084.9	33.0	15.2	48.2	74.0	-25.8	Peak	Horizontal
	8154.9	33.0	14.9	47.9	74.0	-26.1	Peak	Horizontal
*	7099.7	34.7	13.4	48.1	88.2	-40.1	Peak	Vertical
*	7182.5	33.7	13.6	47.3	88.2	-40.9	Peak	Vertical
	8064.8	33.5	15.2	48.7	74.0	-25.3	Peak	Vertical
	8143.9	32.4	15.0	47.4	74.0	-26.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7243.9	34.2	13.8	48.0	88.2	-40.2	Peak	Horizontal
*	7814.9	32.1	15.0	47.1	88.2	-41.1	Peak	Horizontal
	8186.9	32.5	14.7	47.2	74.0	-26.8	Peak	Horizontal
	8276.9	33.2	14.3	47.5	74.0	-26.5	Peak	Horizontal
*	7236.8	33.9	13.8	47.7	88.2	-40.5	Peak	Vertical
*	7815.0	32.4	15.0	47.4	88.2	-40.8	Peak	Vertical
	8209.9	32.6	14.6	47.2	74.0	-26.8	Peak	Vertical
	8294.8	33.2	14.3	47.5	74.0	-26.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Test Mode:	802.11n-HT40 – Ant 0+1	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Test Date	08-25-2014	Relative Humidity	58%
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7926.8	32.3	15.1	47.4	88.2	-40.8	Peak	Horizontal
*	7997.4	33.1	15.0	48.1	88.2	-40.1	Peak	Horizontal
	8391.9	34.1	14.4	48.5	74.0	-25.5	Peak	Horizontal
	8484.9	33.5	14.6	48.1	74.0	-25.9	Peak	Horizontal
*	7914.0	34.0	15.0	49.0	88.2	-39.2	Peak	Vertical
*	8006.9	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	8336.4	33.8	14.5	48.3	74.0	-25.7	Peak	Vertical
	8452.1	33.2	14.5	47.7	74.0	-26.3	Peak	Vertical

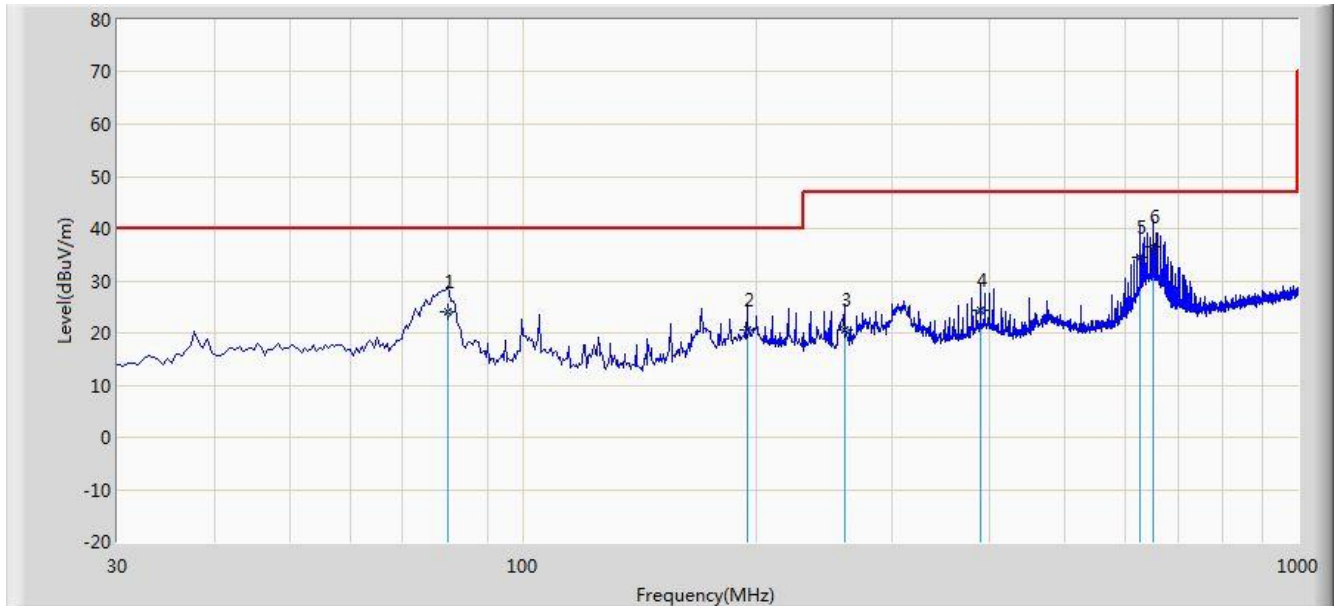
Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

### The worst case of Radiated Emission below 1GHz:

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/27 - 15:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Worst case Mode:</b> Transmit at channel 5745MHz by 802.11n-HT20	

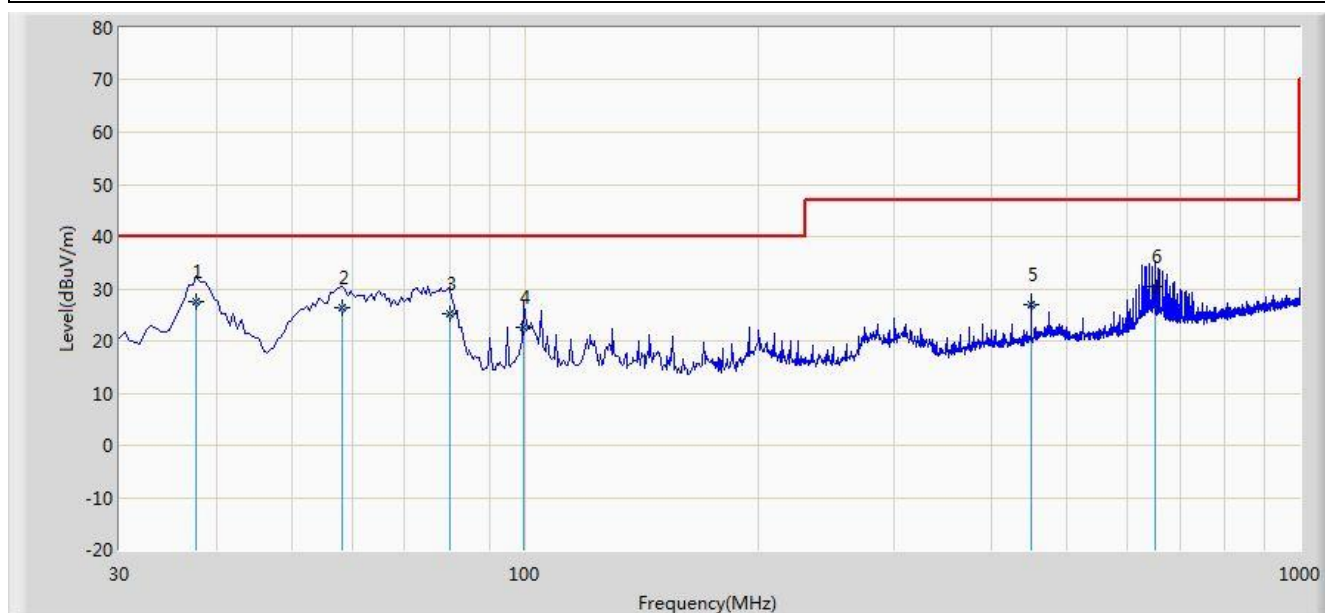


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			79.955	23.960	14.800	-16.040	40.000	9.161	QP
2		*	194.900	20.531	8.800	-19.469	40.000	11.731	QP
3			259.890	20.585	7.100	-26.415	47.000	13.485	QP
4			389.870	24.410	8.400	-22.590	47.000	16.010	QP
5			625.095	34.523	14.800	-12.477	47.000	19.723	QP
6			649.830	36.623	16.600	-10.377	47.000	20.023	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/27 - 15:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Worst case Mode:</b> Transmit at channel 5745MHz by 802.11n-HT20	

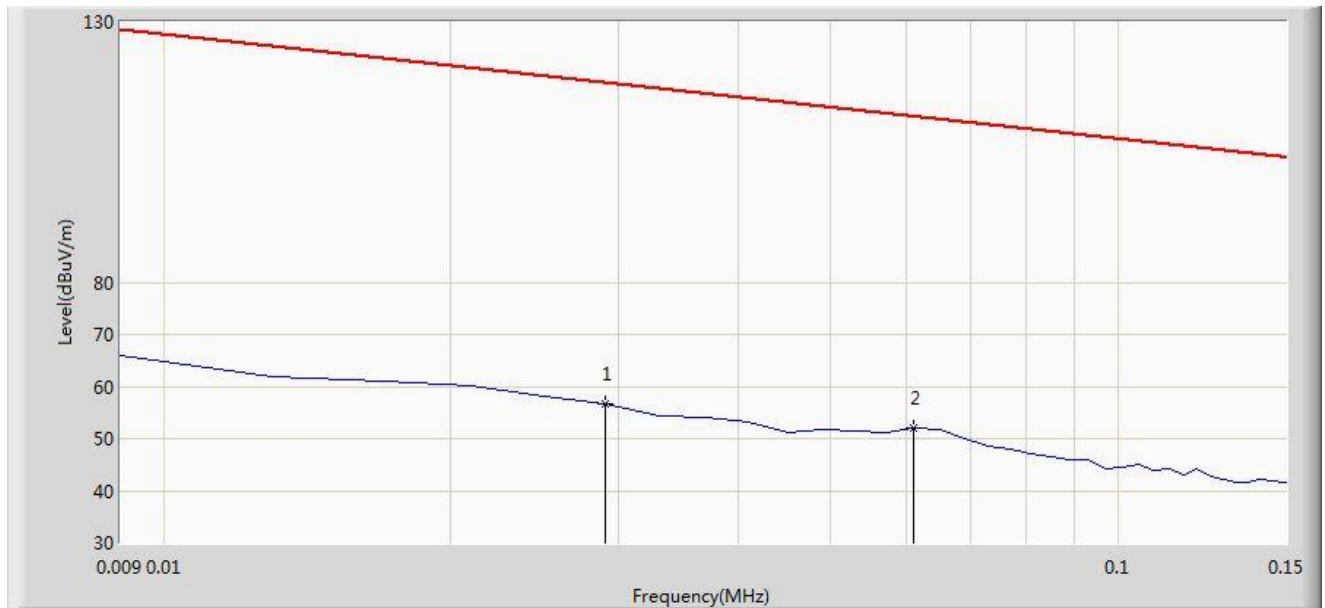


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			37.760	27.485	14.200	-12.515	40.000	13.285	QP
2			58.130	26.394	12.400	-13.606	40.000	13.994	QP
3			79.955	25.360	16.200	-14.640	40.000	9.161	QP
4			99.840	22.511	9.800	-17.489	40.000	12.711	QP
5		*	450.010	27.094	10.200	-19.906	47.000	16.894	QP
6			649.830	30.423	10.400	-16.577	47.000	20.023	QP

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/26 - 18:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

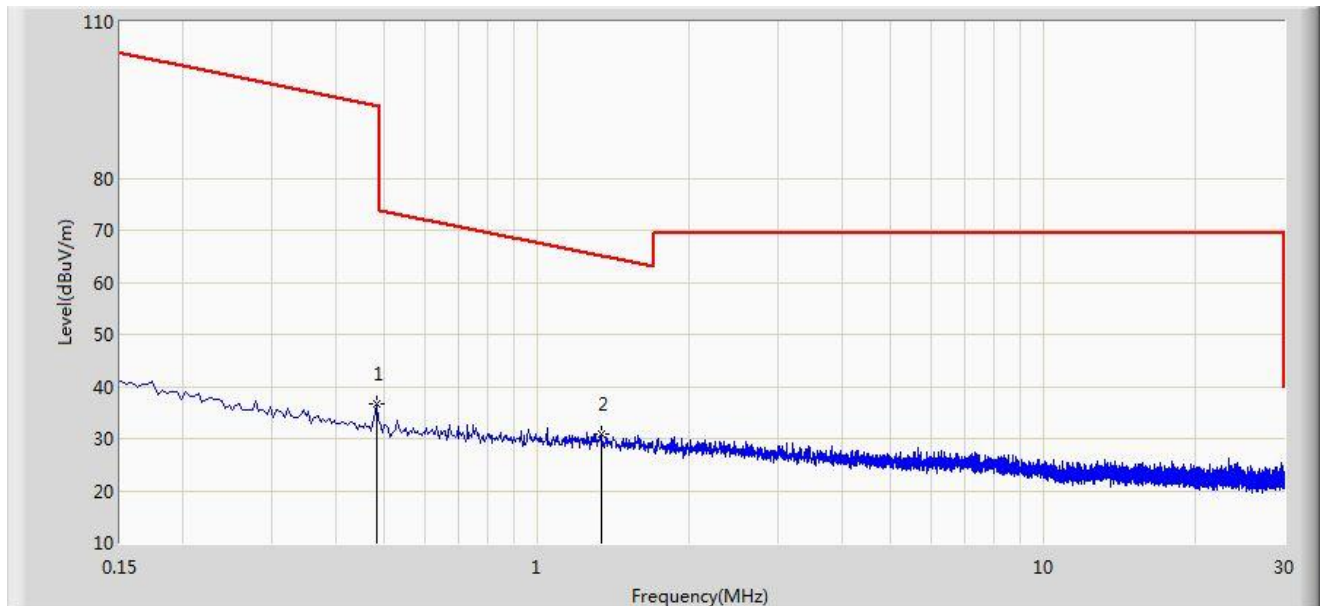


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.720	35.671	-61.622	118.342	21.049	PK
2		*	0.061	51.902	31.591	-59.985	111.887	20.311	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/26 - 18:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	



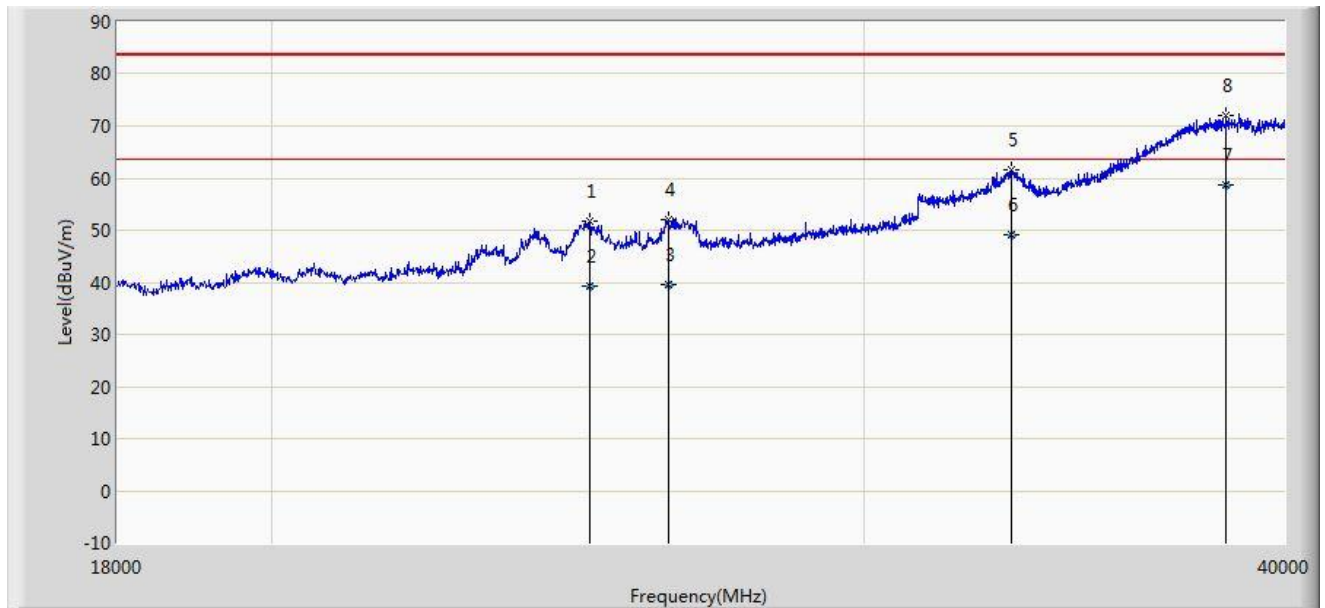
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.594	16.194	-57.348	93.943	20.401	PK
2		*	1.338	31.005	10.516	-34.094	65.099	20.489	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)



Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/26 - 21:12
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b>	

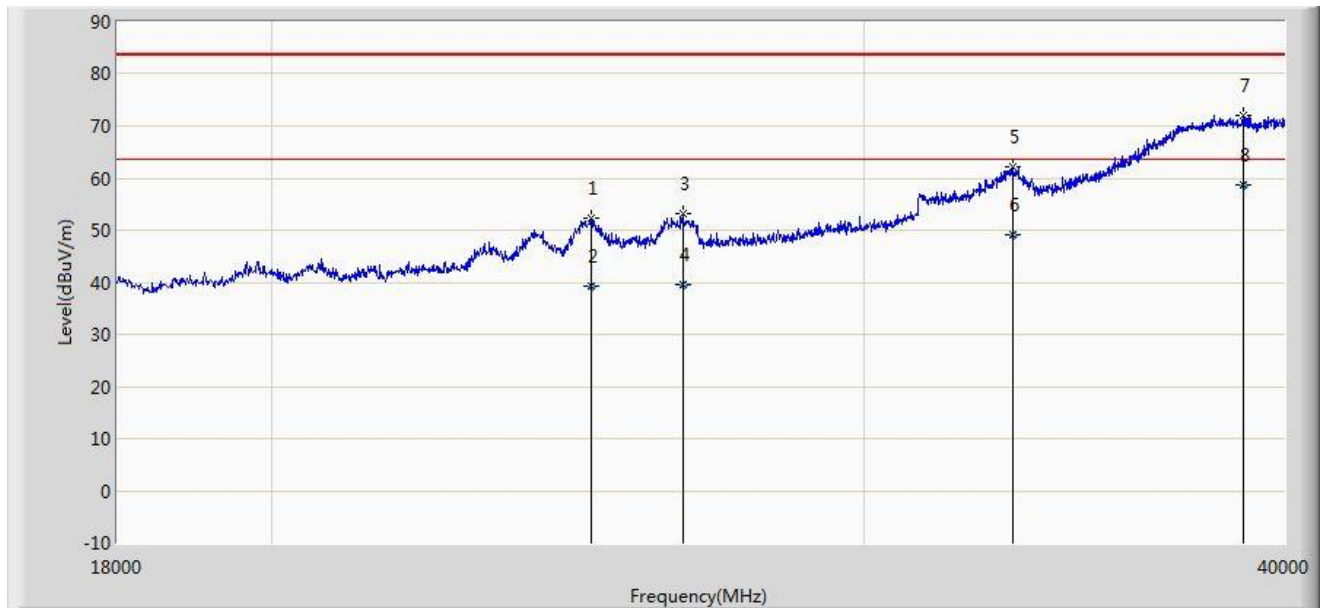


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.876	37.101	-31.624	83.500	14.775	PK
2			24864.088	39.255	24.480	-24.245	63.500	14.775	AV
3			26260.988	39.509	24.090	-23.991	63.500	15.419	AV
4			26261.000	51.996	36.577	-31.504	83.500	15.419	PK
5			33180.000	61.501	39.980	-21.999	83.500	21.521	PK
6			33180.363	49.081	27.560	-14.419	63.500	21.521	AV
7		*	38437.980	58.563	31.230	-4.937	63.500	27.333	AV
8			38438.000	72.071	44.738	-11.429	83.500	27.333	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

Engineer: Roy Cheng	
Site: AC1	Time: 2014/08/26 - 21:15
Limit: FCC_Part15.209_RE(1m)	Margin: 0
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b>	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.363	37.578	-31.137	83.500	14.785	PK
2			24886.970	39.274	24.489	-24.226	63.500	14.785	AV
3			26503.000	53.267	37.247	-30.233	83.500	16.020	PK
4			26503.877	39.632	23.610	-23.868	63.500	16.022	AV
5			33213.000	62.169	40.632	-21.331	83.500	21.538	PK
6			33213.989	49.128	27.590	-14.372	63.500	21.538	AV
7			38900.000	72.136	44.251	-11.364	83.500	27.885	PK
8		*	38900.756	58.755	30.870	-4.745	63.500	27.885	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB)

## 7.8. Radiated Restricted Band Edge Measurement

### 7.8.1. Test Limit

#### For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

#### For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5350	-27	68.2
5470 - 5725	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

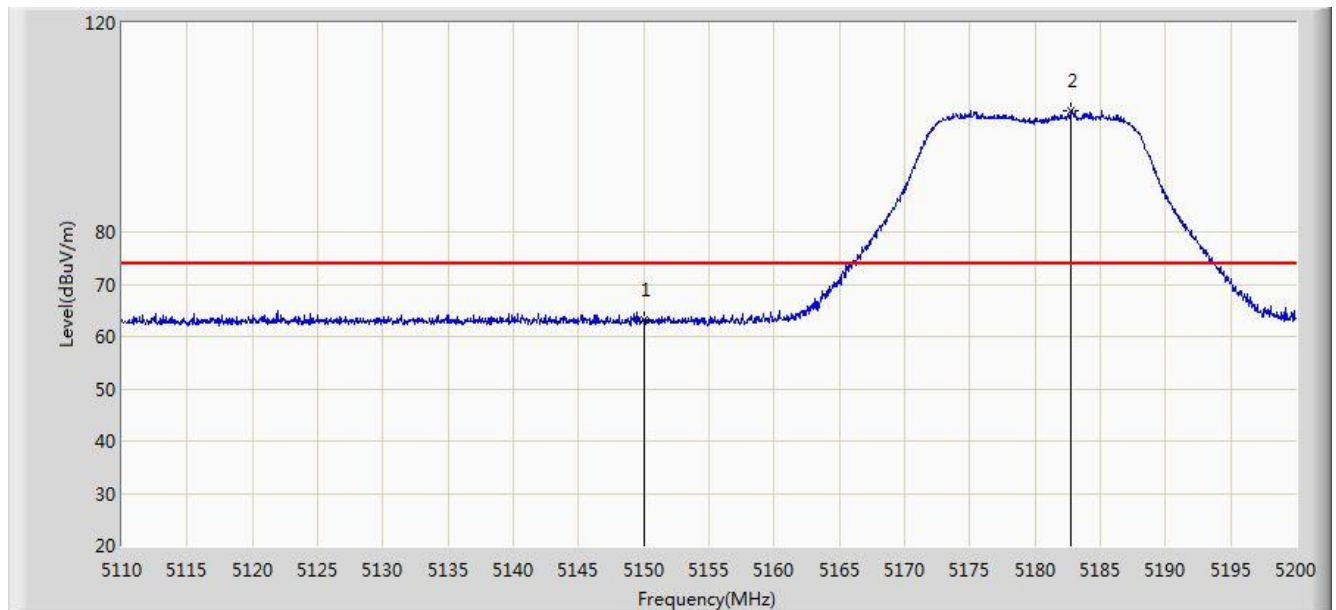
All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]
0.009 – 0.490	2400/F (kHz)	300
0.490 – 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

### 7.8.2. Test Result of Radiated Restricted Band Edge

Test by pannel antenna – 15dBi for 5150-5250MHz Band

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 15:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

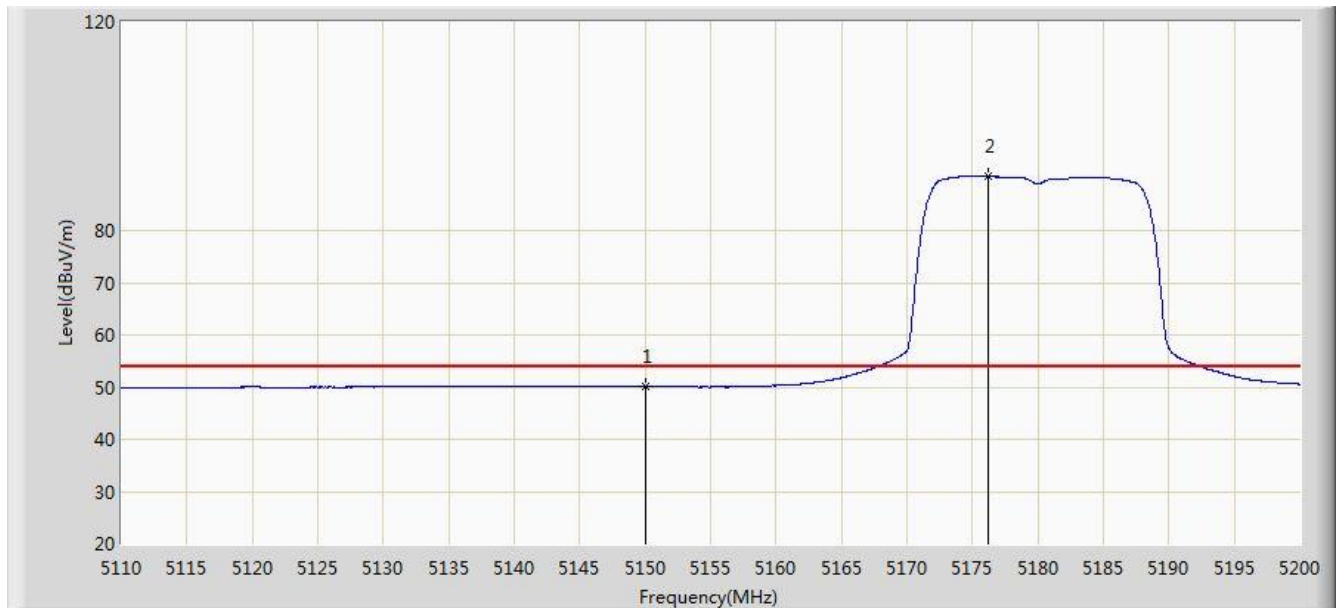


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.096	26.344	-10.904	74.000	36.752	PK
2		*	5182.765	103.290	66.633	N/A	N/A	36.657	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 15:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

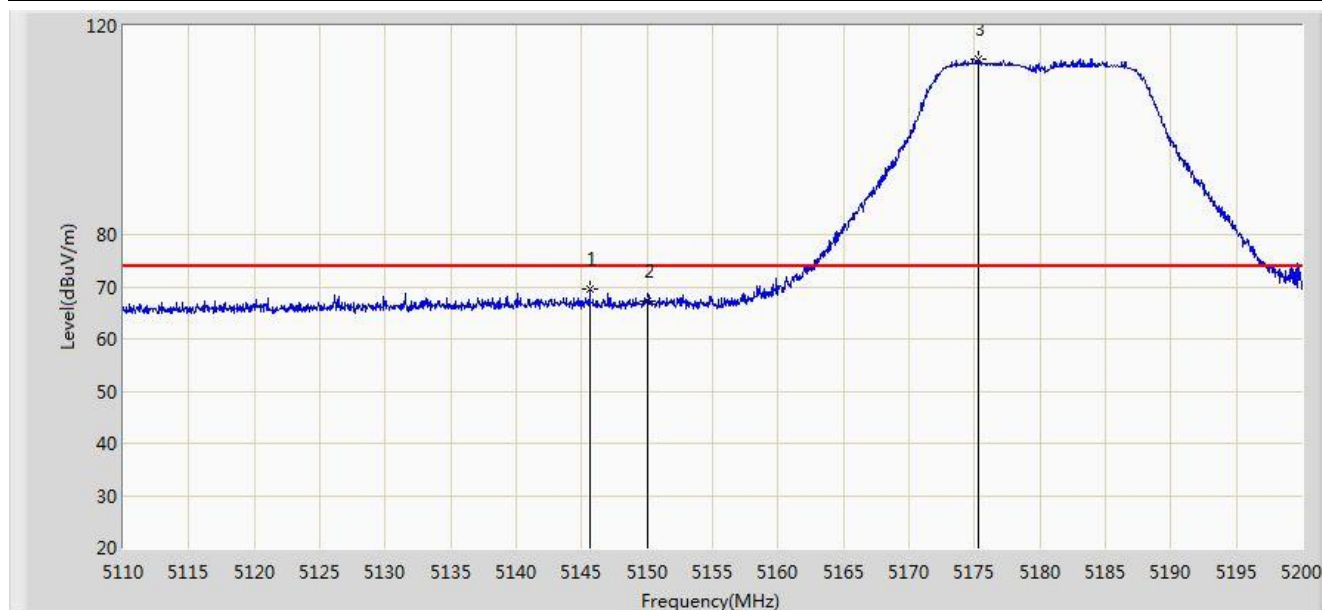


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.090	13.338	-3.910	54.000	36.752	AV
2		*	5176.150	90.413	53.735	N/A	N/A	36.678	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 15:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

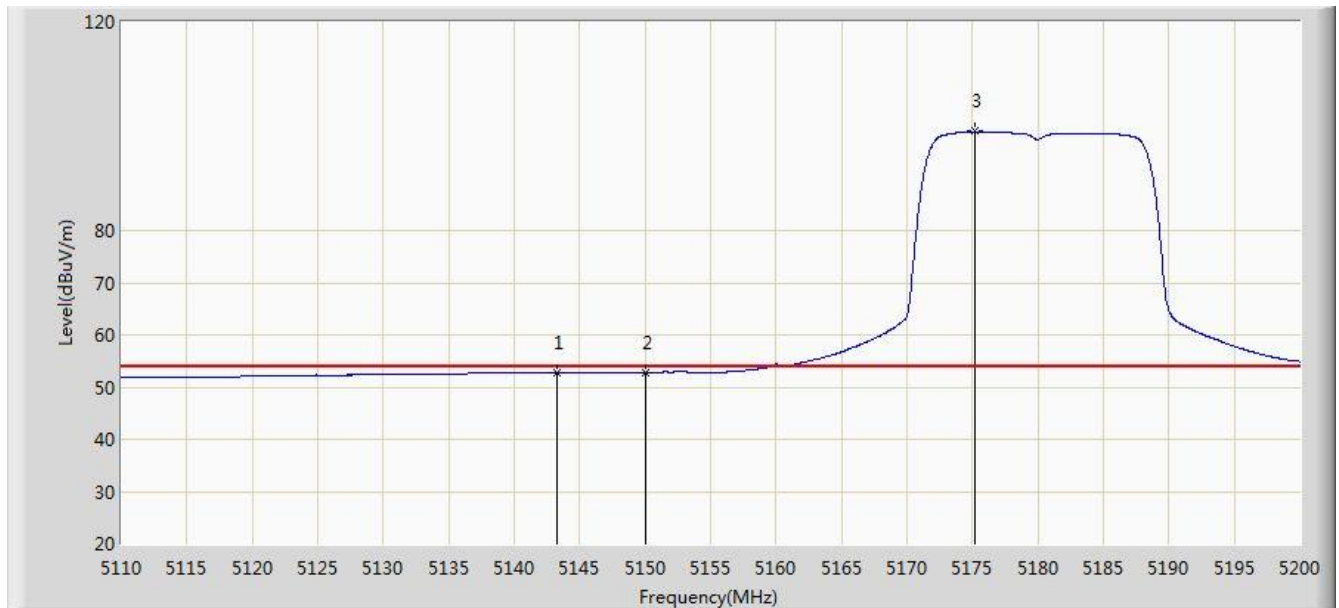


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.640	69.542	32.784	-4.458	74.000	36.758	PK
2			5150.000	67.185	30.433	-6.815	74.000	36.752	PK
3		*	5175.340	113.619	76.939	N/A	N/A	36.680	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 15:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	



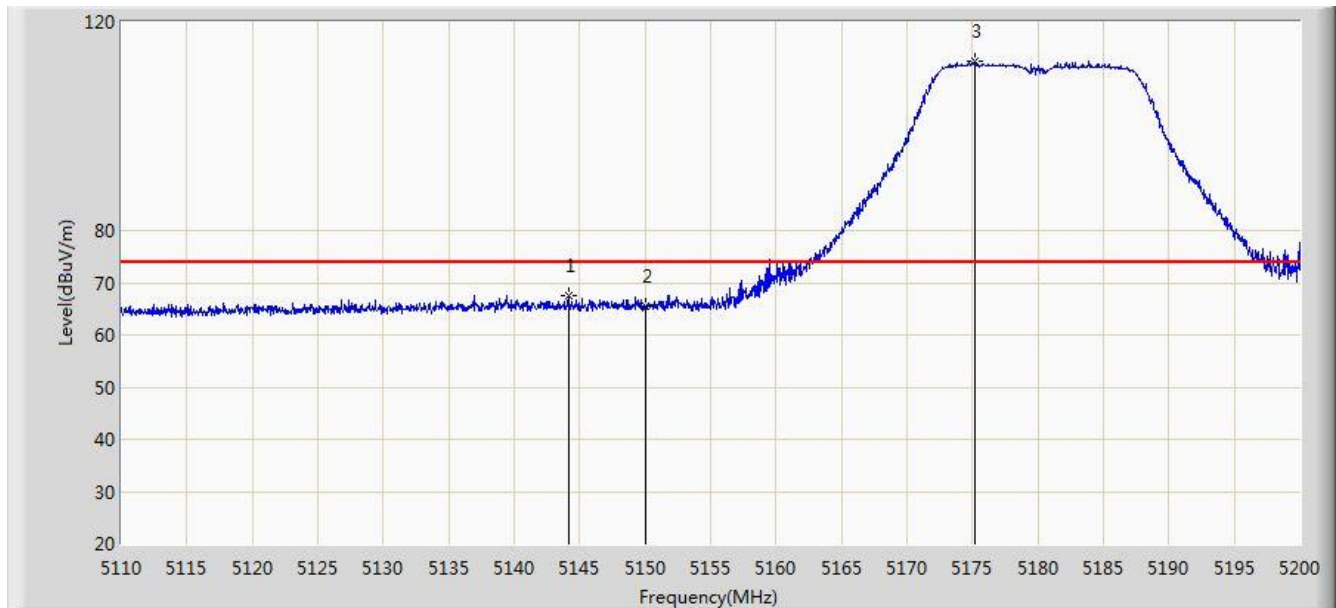
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.255	52.827	45.649	-1.173	54.000	7.178	AV
2			5150.000	52.882	45.706	-1.118	54.000	7.176	AV
3		*	5175.160	99.001	91.915	N/A	N/A	7.086	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

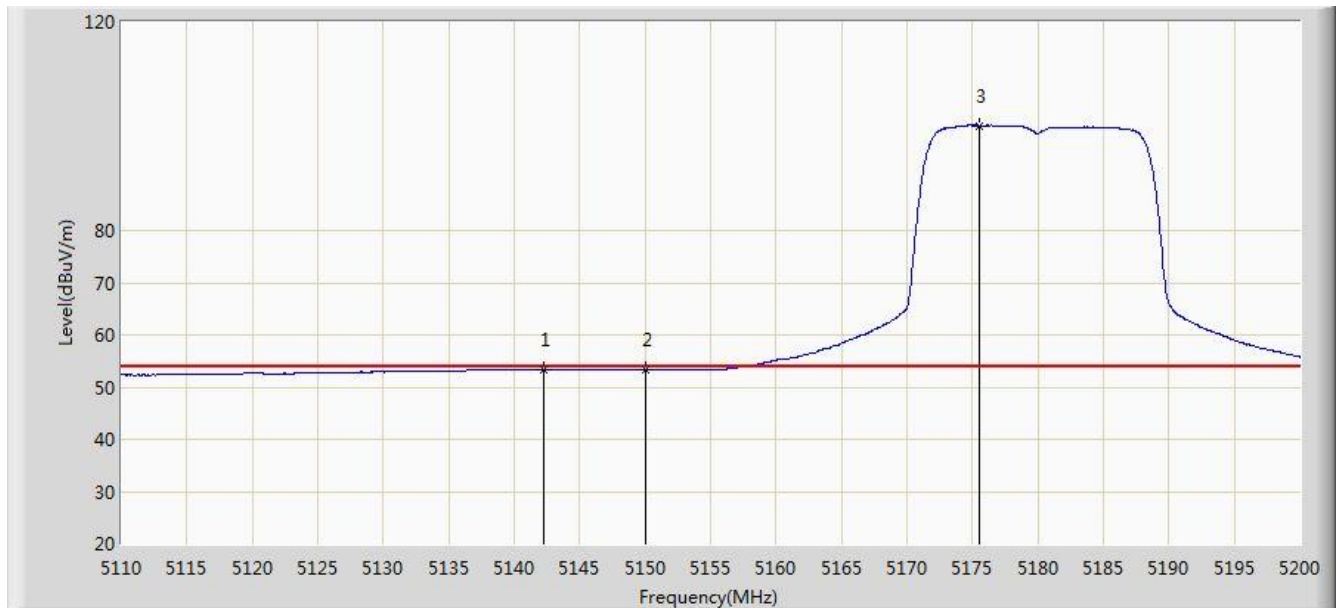


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.155	67.458	60.291	-6.542	74.000	7.178	PK
2			5150.000	65.578	58.401	-8.422	74.000	7.176	PK
3		*	5175.160	112.497	105.414	N/A	N/A	7.083	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

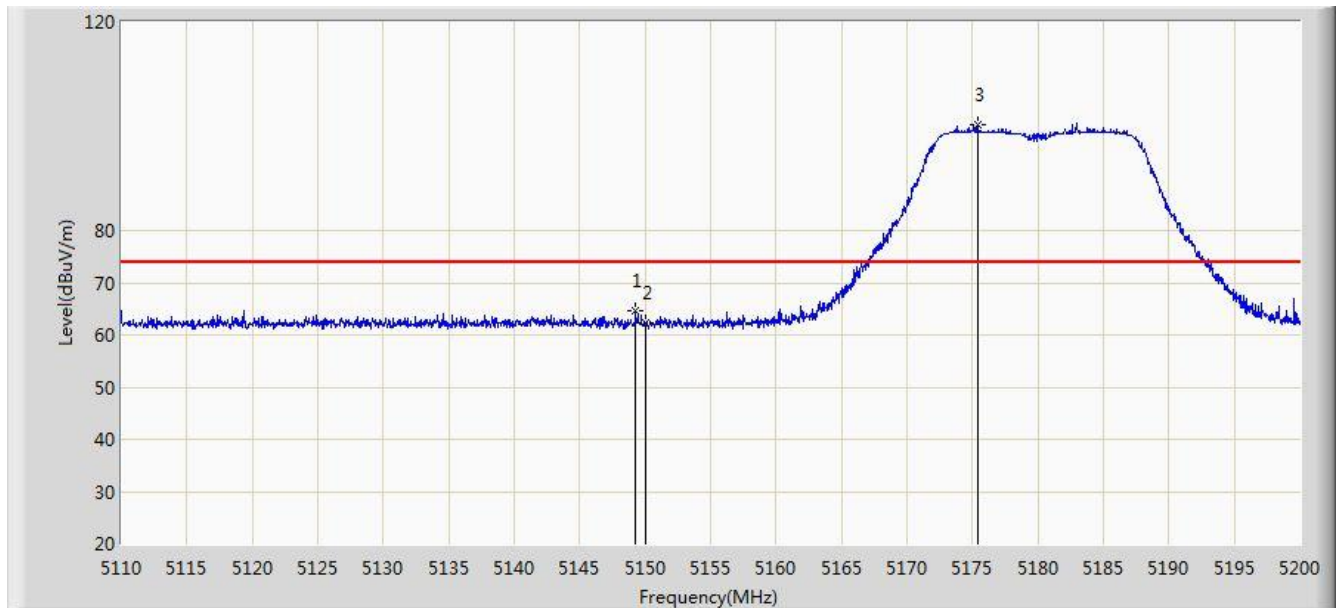


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.265	53.452	46.273	-0.548	54.000	7.179	AV
2			5150.000	53.391	46.214	-0.609	54.000	7.176	AV
3		*	5175.475	100.127	93.043	N/A	N/A	7.084	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

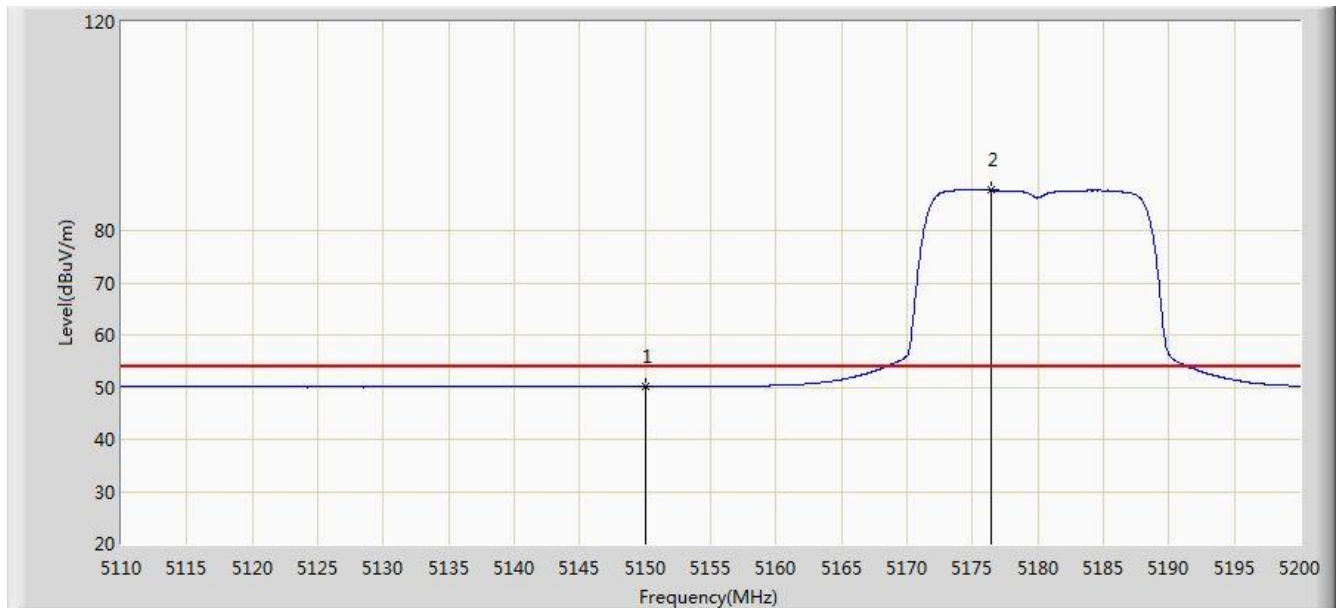


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.240	64.518	57.351	-9.482	74.000	7.176	PK
2			5150.000	62.219	55.043	-11.781	74.000	7.176	PK
3		*	5175.385	100.261	93.184	N/A	N/A	7.077	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

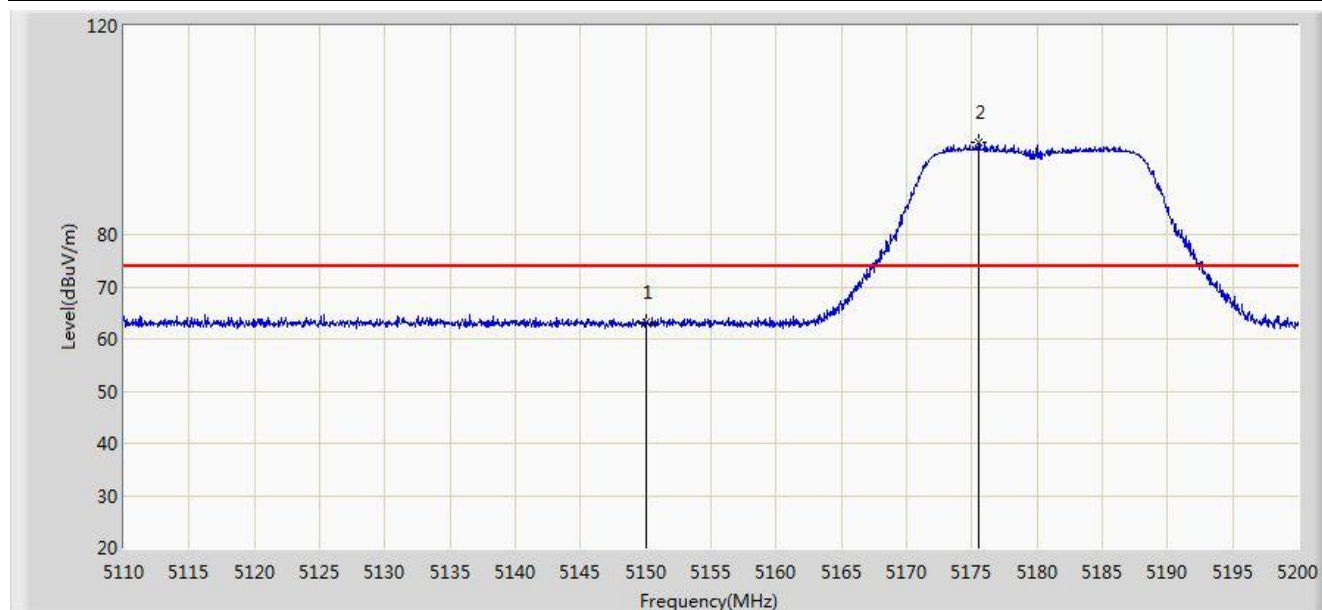


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.142	42.965	-3.858	54.000	7.176	AV
2		*	5176.420	87.733	80.655	N/A	N/A	7.078	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

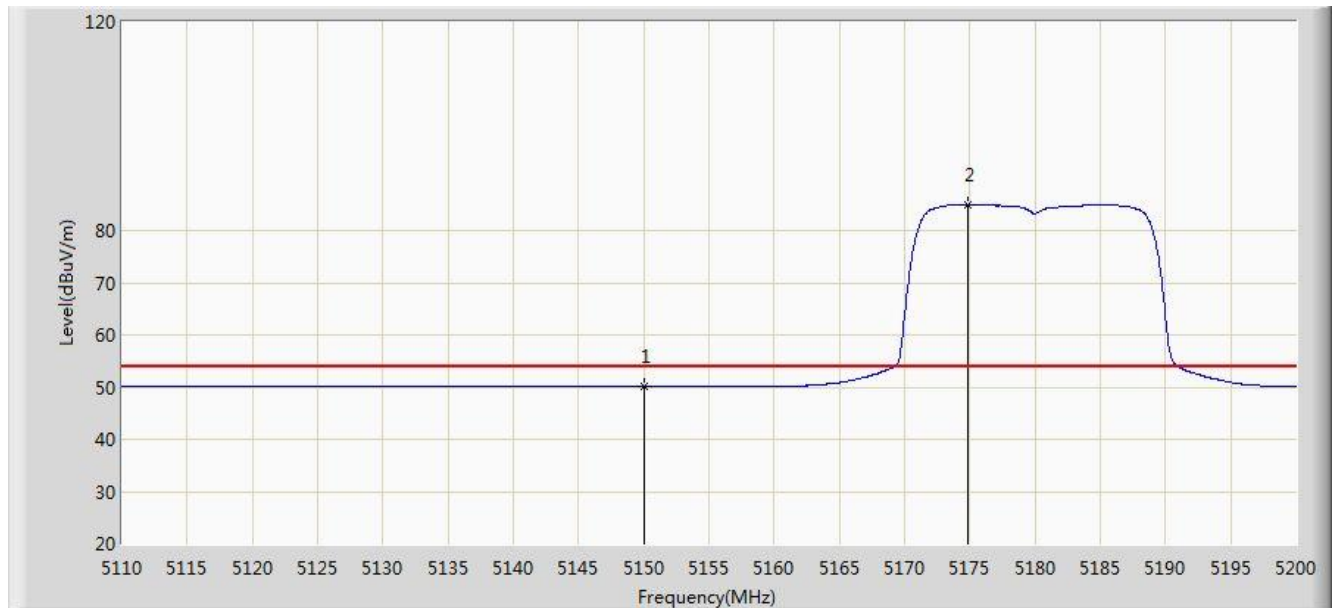


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	63.117	55.941	-10.883	74.000	7.176	PK
2		*	5175.475	97.544	90.460	N/A	N/A	7.084	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 with Panel Antenna 15dBi	

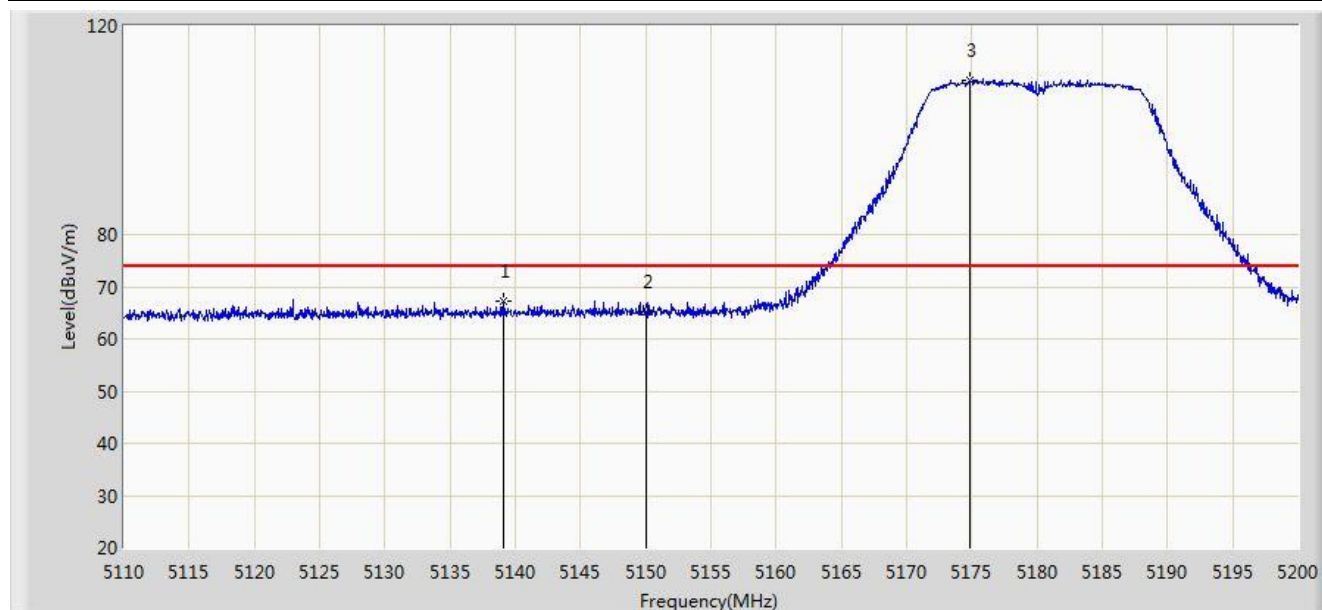


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.138	42.962	-3.862	54.000	7.176	AV
2		*	5174.890	85.029	77.941	N/A	N/A	7.088	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

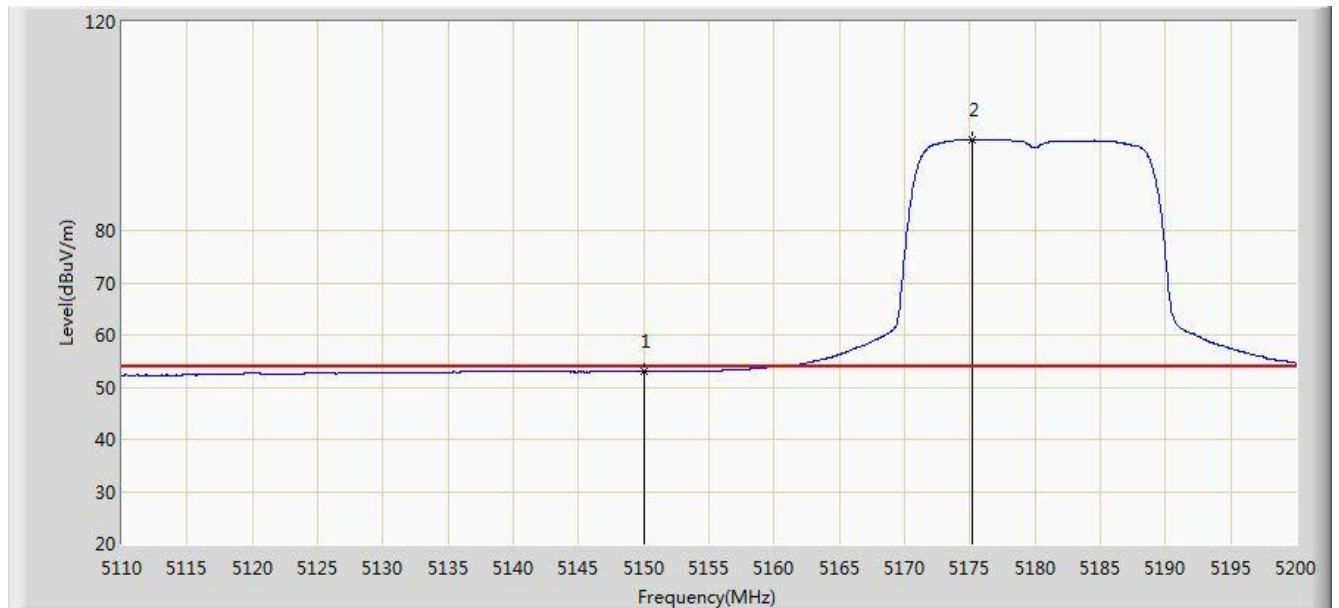


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.115	67.172	59.992	-6.828	74.000	7.180	PK
2			5150.000	65.073	57.897	-8.927	74.000	7.176	PK
3		*	5174.890	109.700	102.612	N/A	N/A	7.088	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	



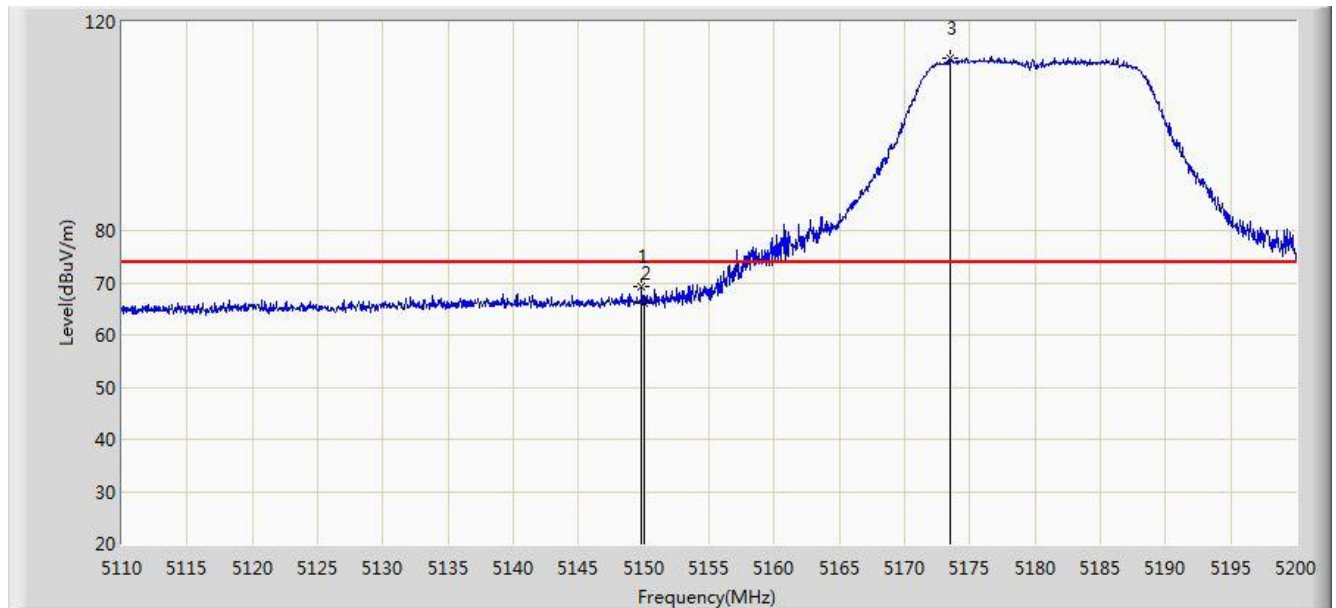
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.984	45.808	-1.016	54.000	7.176	AV
2		*	5175.160	97.344	90.258	N/A	N/A	7.086	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

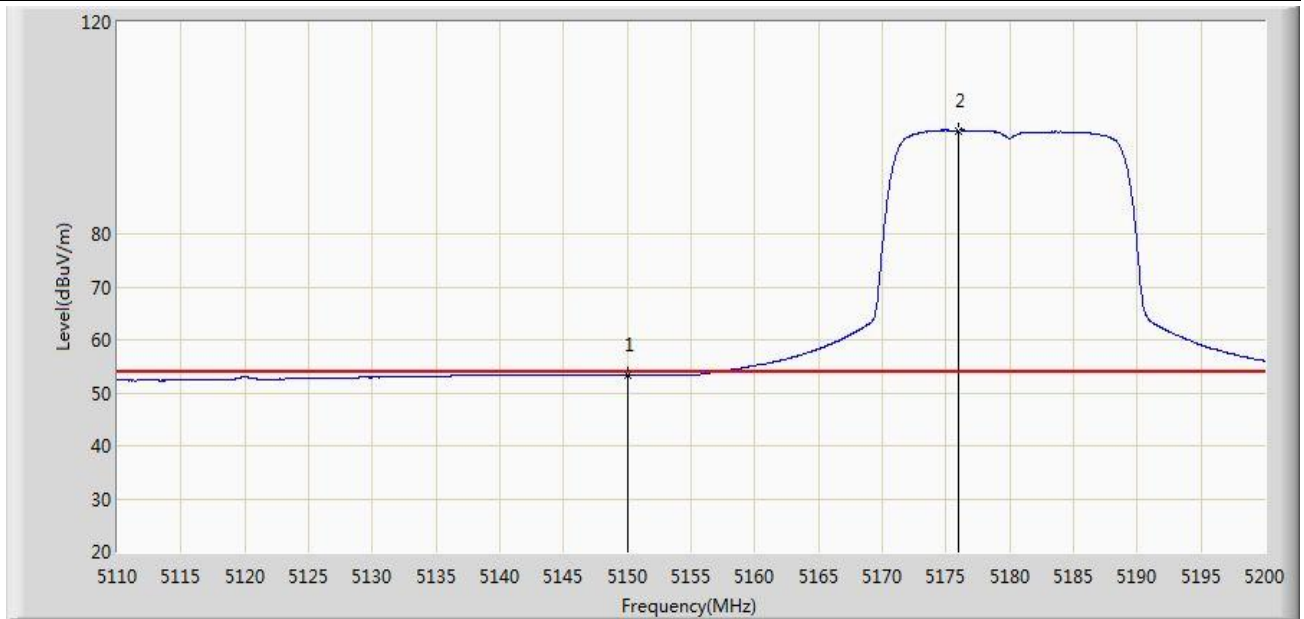


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	69.418	62.242	-4.582	74.000	7.176	PK
2			5150.000	66.009	58.833	-7.991	74.000	7.176	PK
3		*	5173.450	113.167	106.070	N/A	N/A	7.097	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

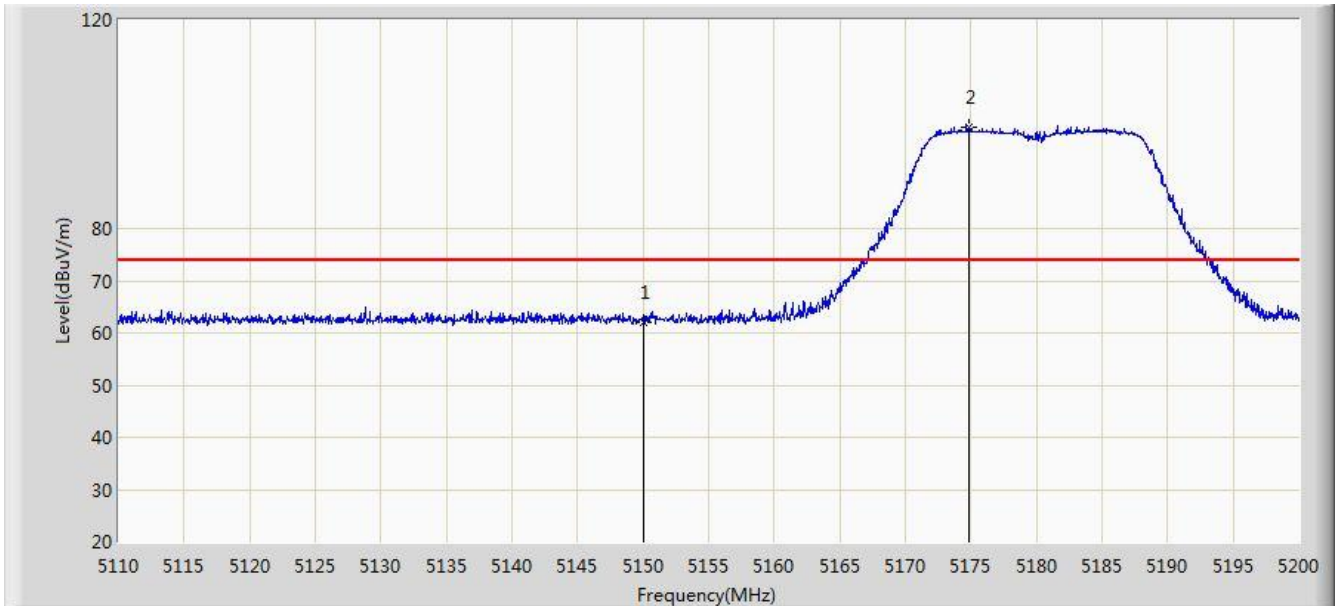


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.258	46.082	-0.742	54.000	7.176	AV
2		*	5176.015	99.560	92.480	N/A	N/A	7.080	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

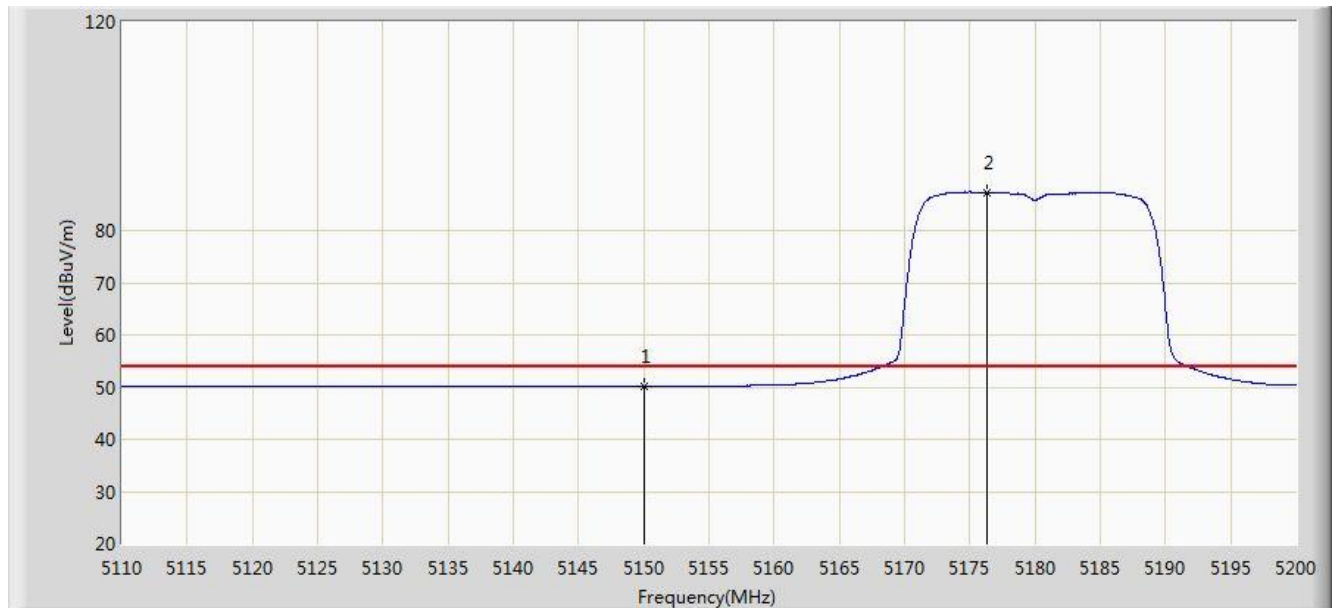


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	62.014	54.838	-11.986	74.000	7.176	PK
2		*	5174.800	99.508	92.420	N/A	N/A	7.088	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

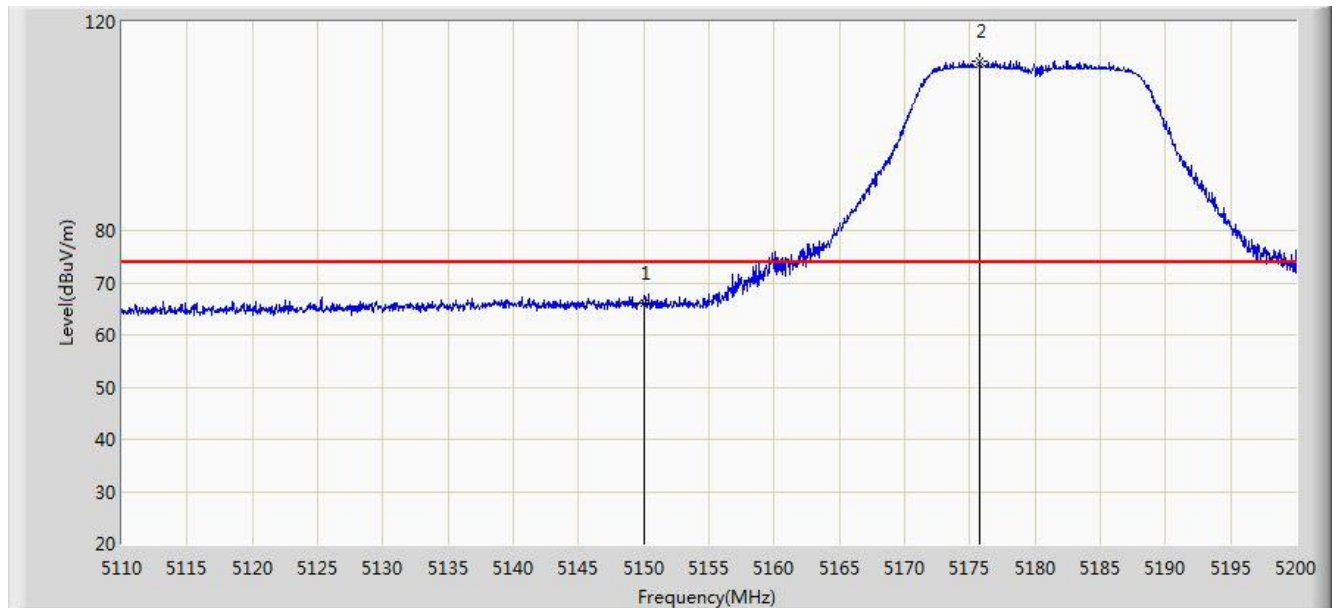


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.197	43.021	-3.803	54.000	7.176	AV
2		*	5176.330	87.325	80.247	N/A	N/A	7.078	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

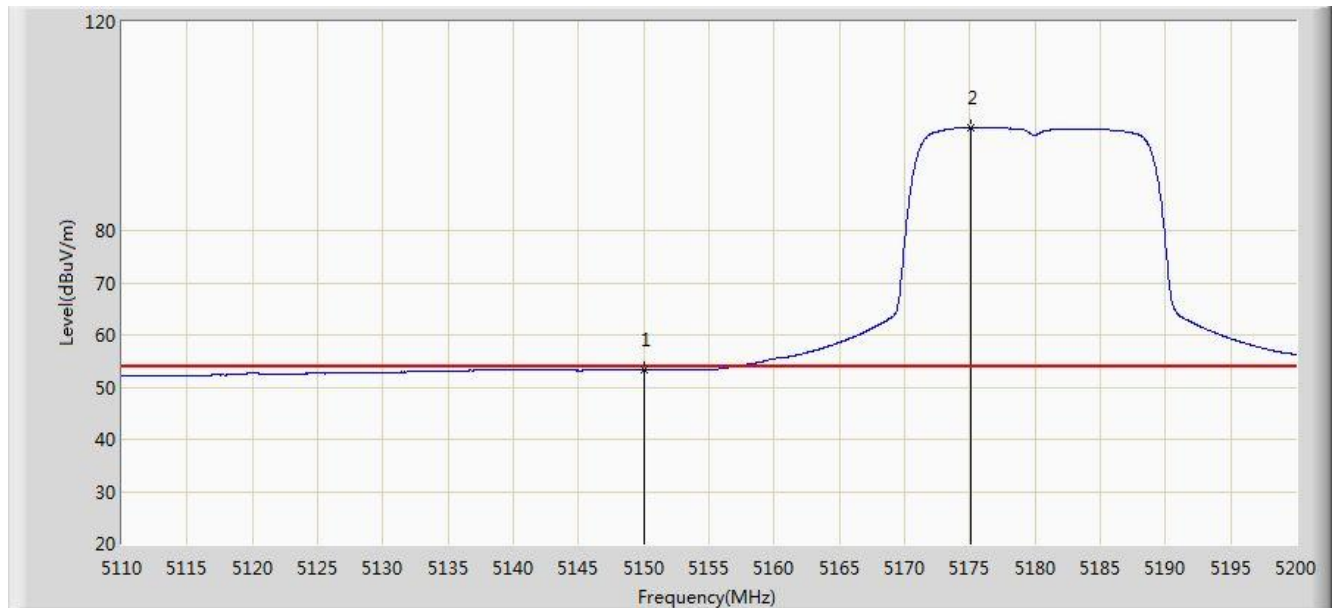


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.027	58.851	-7.973	74.000	7.176	PK
2		*	5175.790	112.515	105.433	N/A	N/A	7.082	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

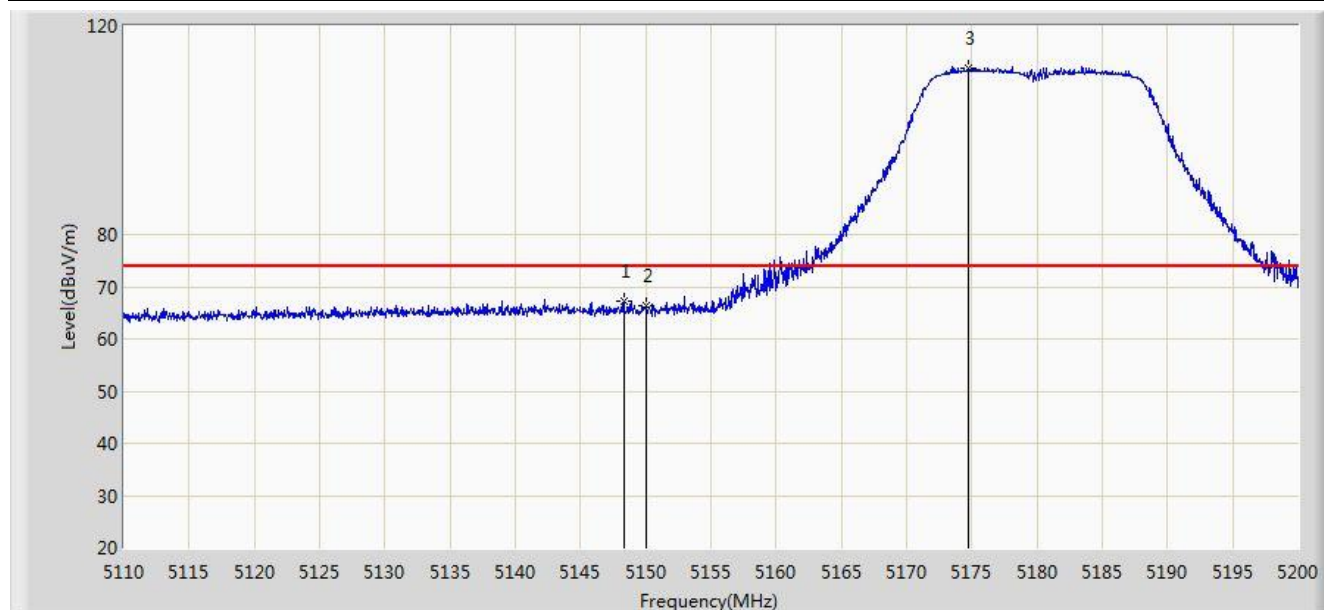


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.304	46.128	-0.696	54.000	7.176	AV
2		*	5175.115	99.726	92.640	N/A	N/A	7.086	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

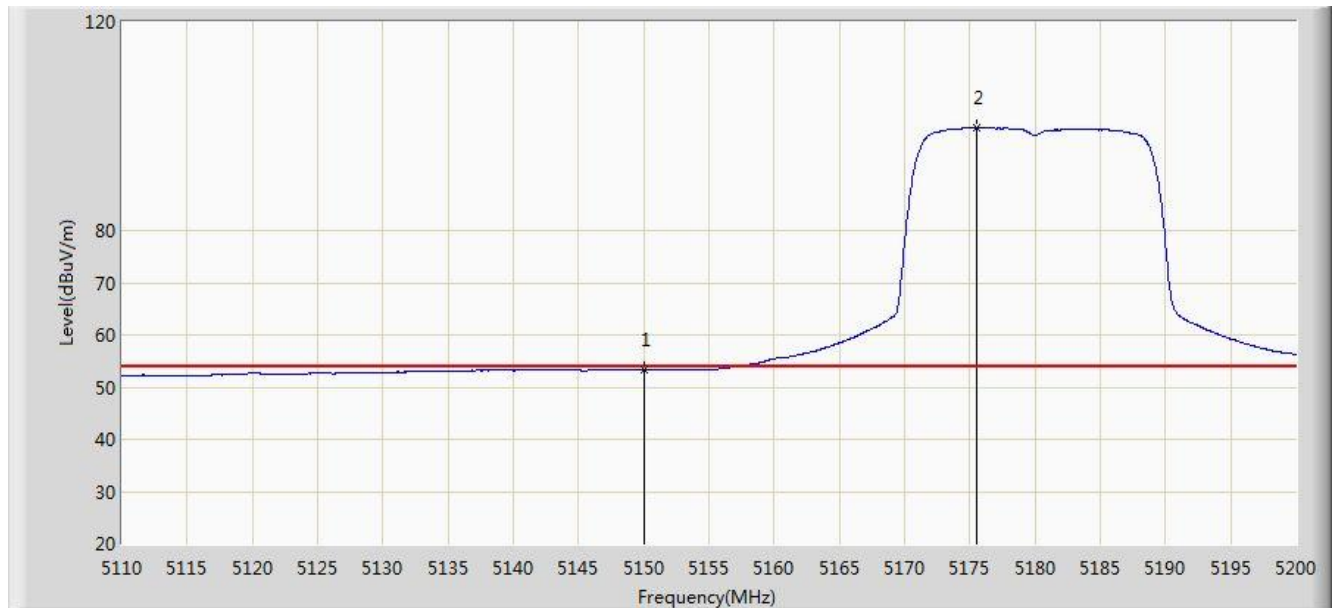


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.295	67.116	59.939	-6.884	74.000	7.176	PK
2			5150.000	66.333	59.157	-7.667	74.000	7.176	PK
3		*	5174.710	111.985	104.896	N/A	N/A	7.089	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	



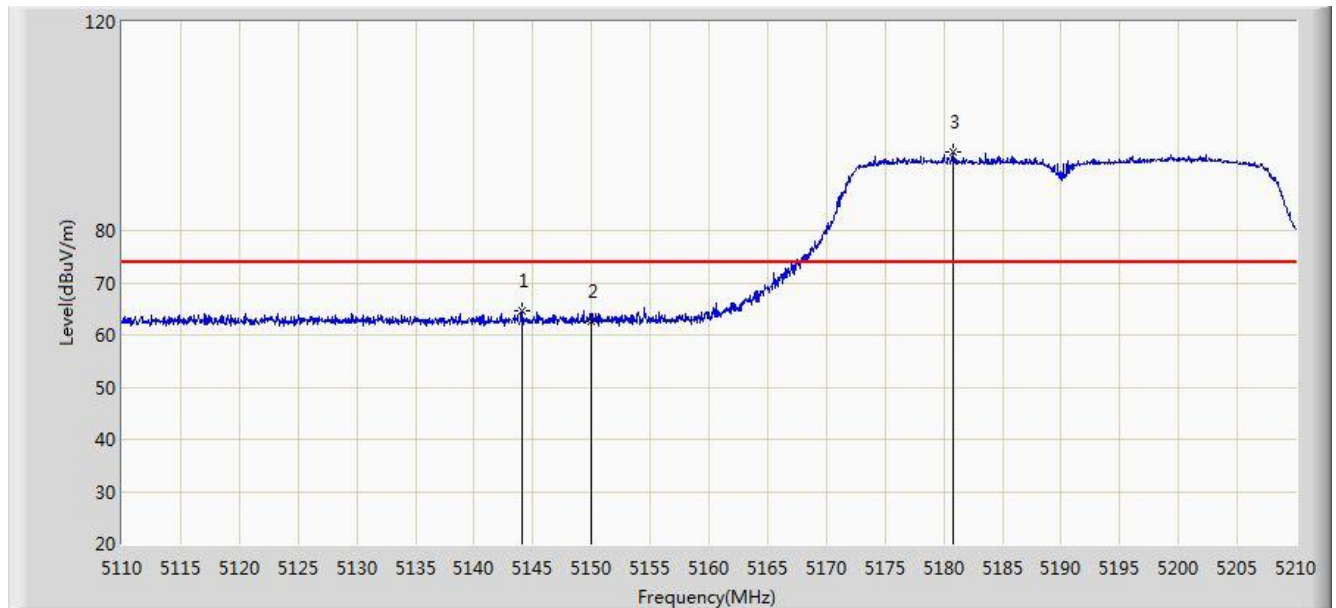
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.296	46.120	-0.704	54.000	7.176	AV
2		*	5175.475	99.604	92.520	N/A	N/A	7.084	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

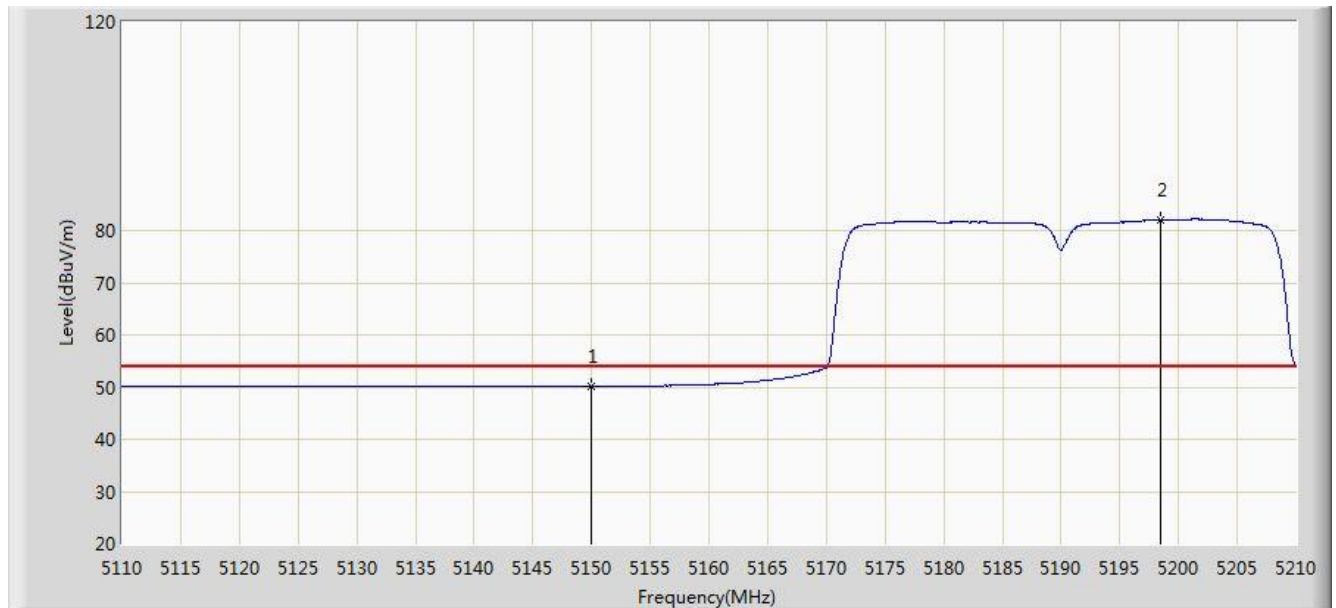


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.100	64.765	57.587	-9.235	74.000	7.178	PK
2			5150.000	62.744	55.568	-11.256	74.000	7.176	PK
3		*	5180.850	95.114	88.065	N/A	N/A	7.049	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

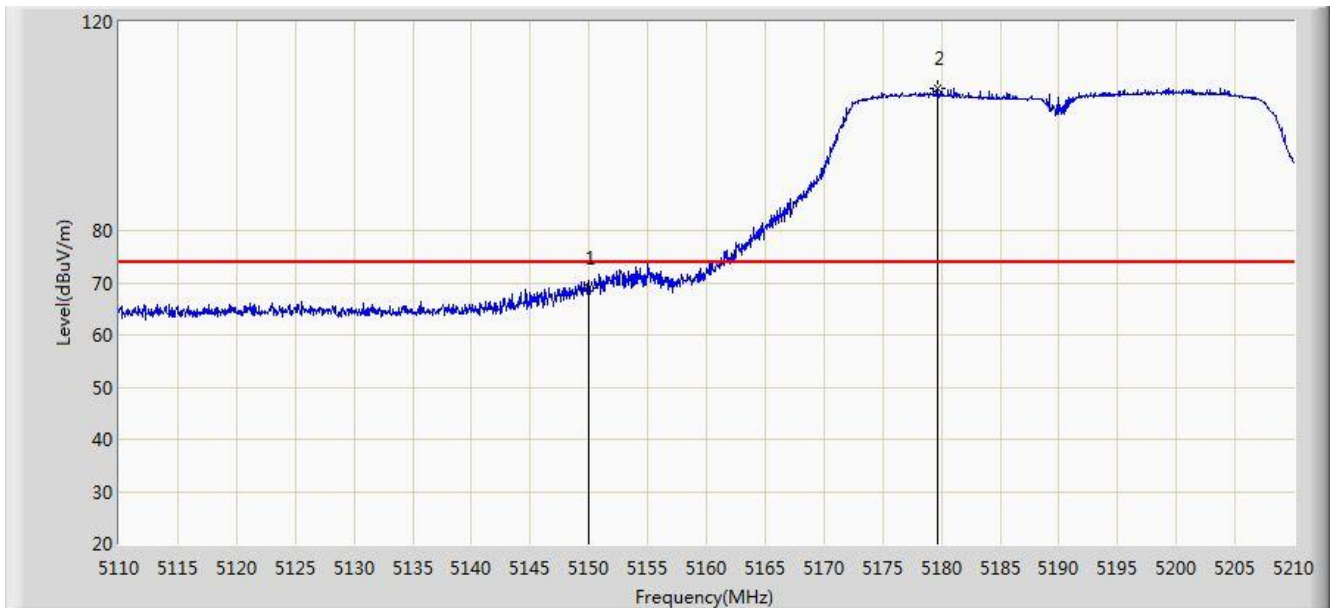


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.199	43.023	-3.801	54.000	7.176	AV
2		*	5198.450	82.072	75.130	N/A	N/A	6.942	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

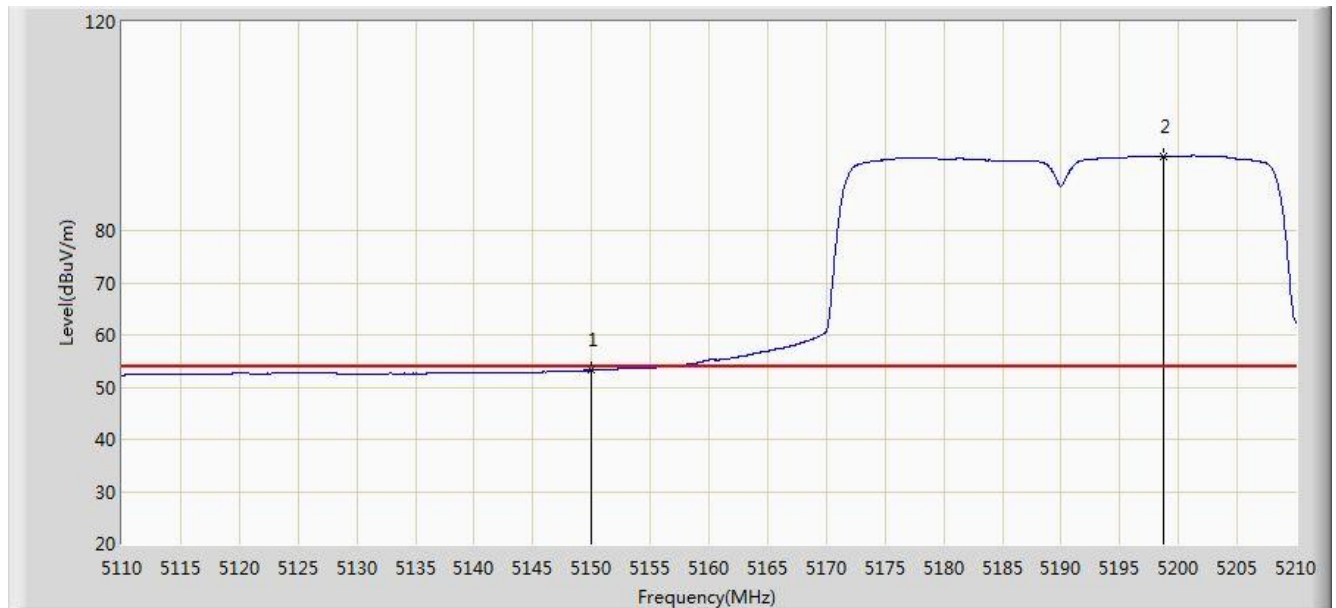


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	68.970	61.794	-5.030	74.000	7.176	PK
2		*	5179.650	107.383	100.326	N/A	N/A	7.057	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

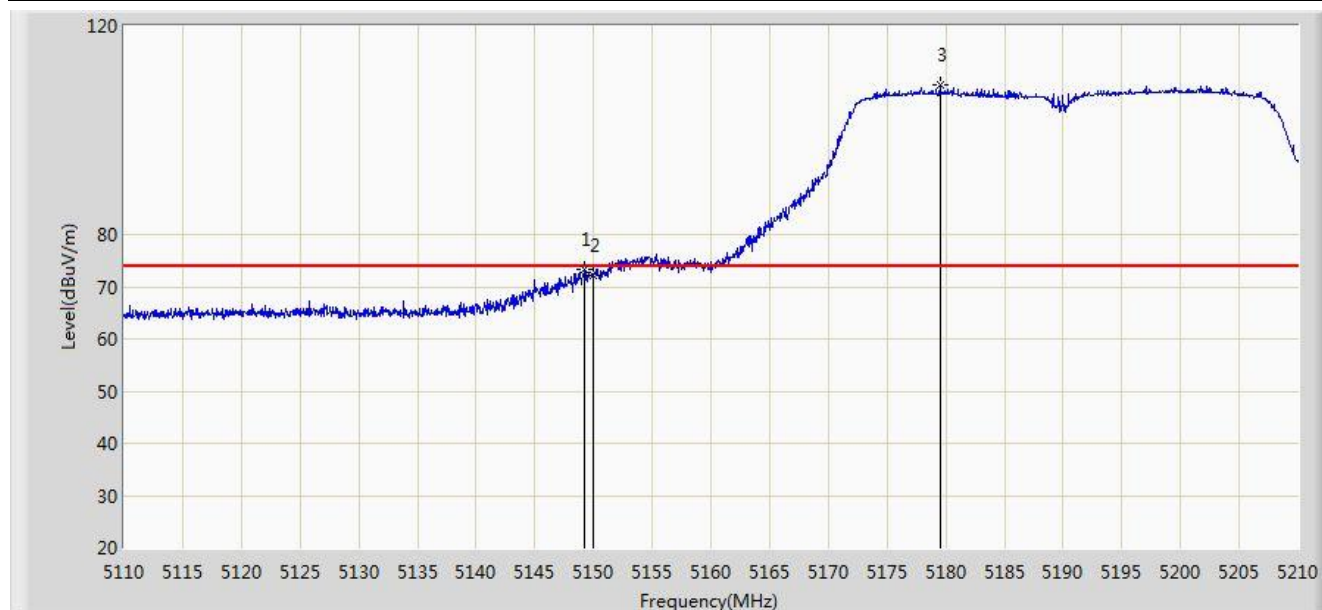


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.257	46.081	-0.743	54.000	7.176	AV
2		*	5198.750	94.305	87.365	N/A	N/A	6.940	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

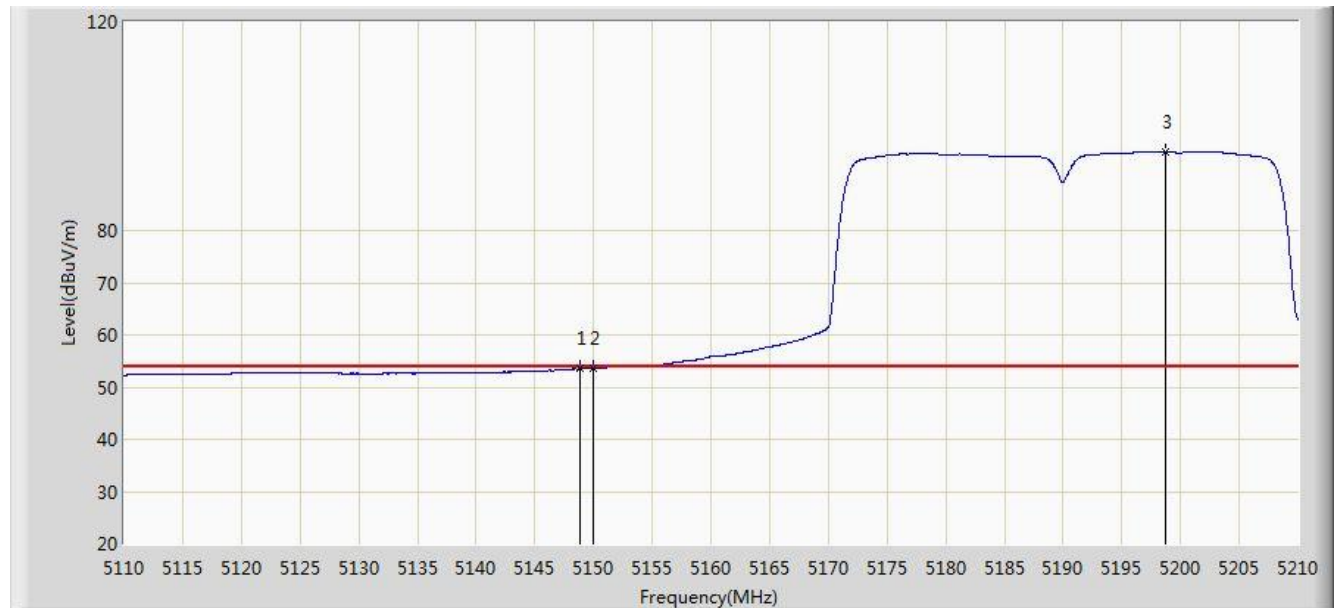


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.250	73.194	66.017	-0.806	74.000	7.176	PK
2			5150.000	72.203	65.027	-1.797	74.000	7.176	PK
3		*	5179.550	108.573	101.516	N/A	N/A	7.057	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

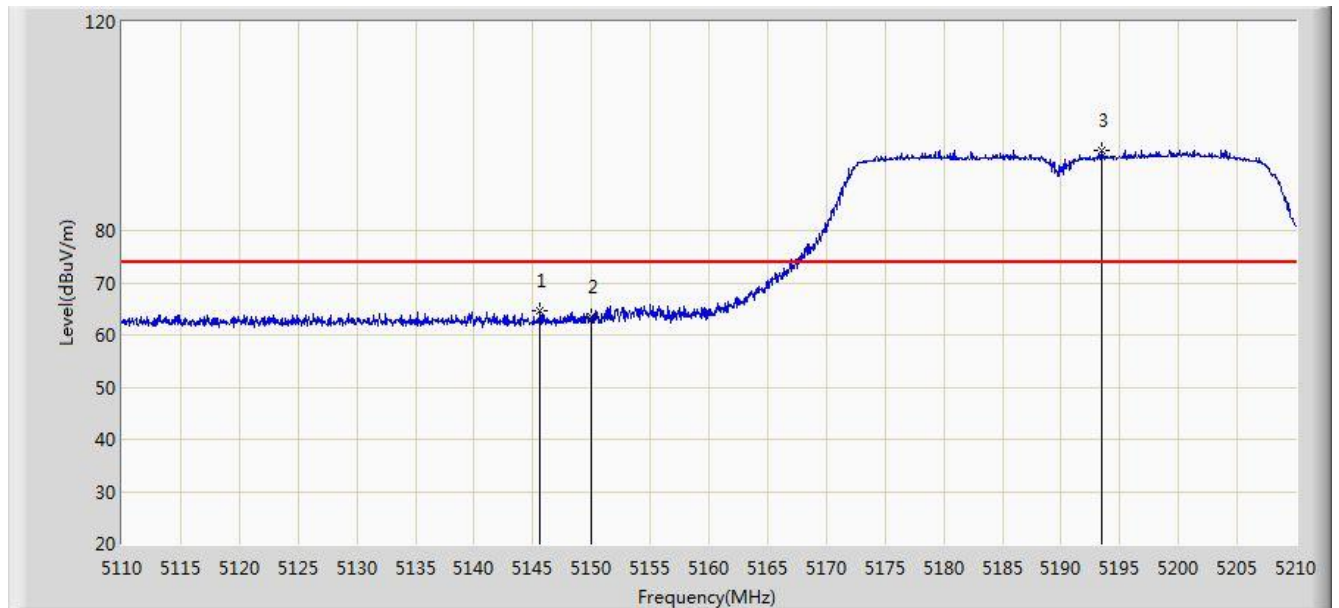


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.850	53.486	46.309	-0.514	54.000	7.177	AV
2			5150.000	53.672	46.496	-0.328	54.000	7.176	AV
3		*	5198.750	95.099	88.159	N/A	N/A	6.940	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

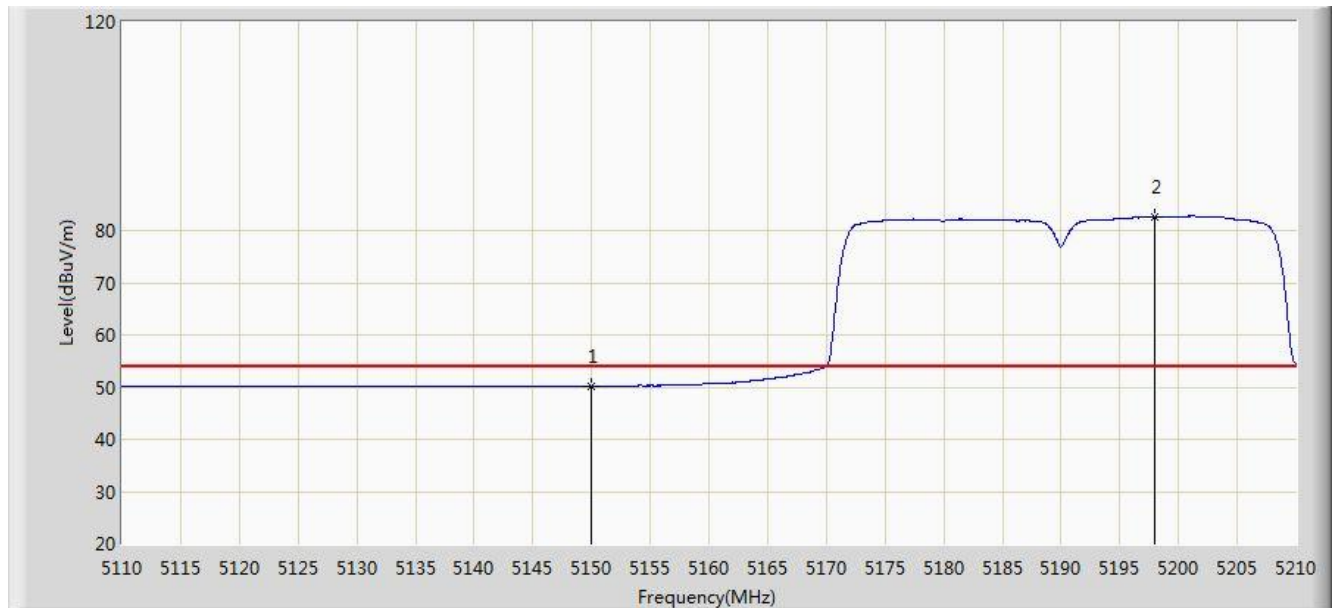


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.650	64.613	57.435	-9.387	74.000	7.178	PK
2			5150.000	63.387	56.211	-10.613	74.000	7.176	PK
3		*	5193.400	95.220	88.248	N/A	N/A	6.972	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	



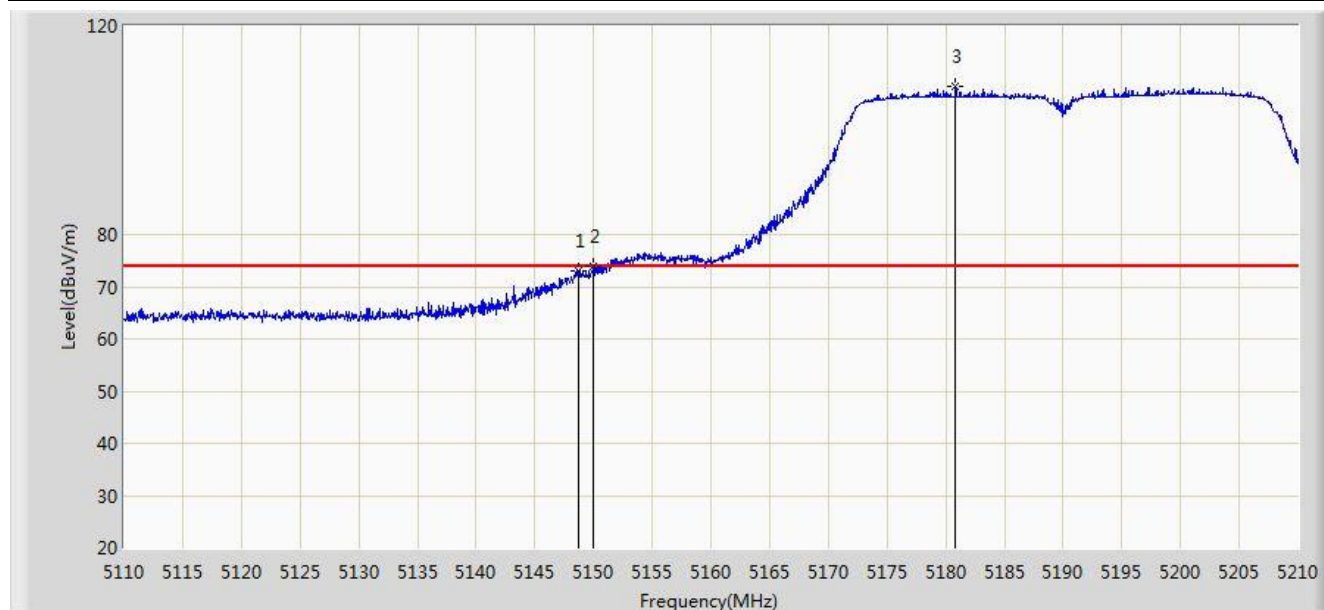
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.197	43.021	-3.803	54.000	7.176	AV
2		*	5198.000	82.584	75.639	N/A	N/A	6.945	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

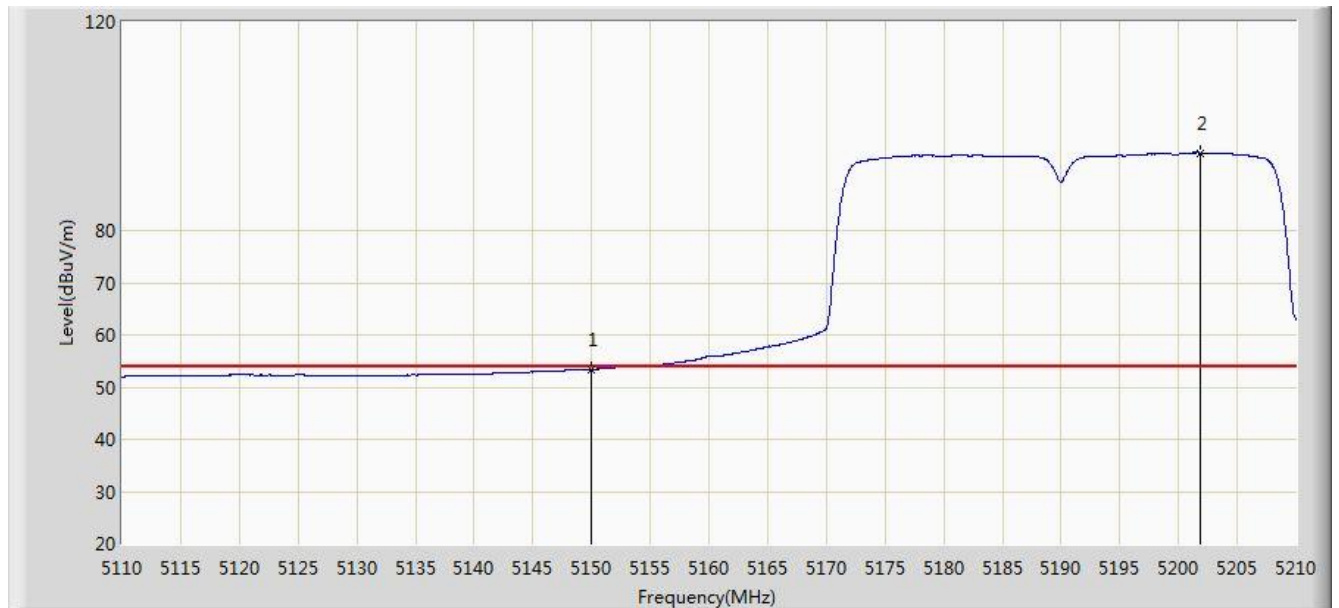


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	72.987	65.810	-1.013	74.000	7.177	PK
2			5150.000	73.856	66.680	-0.144	74.000	7.176	PK
3		*	5180.850	108.310	101.261	N/A	N/A	7.049	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

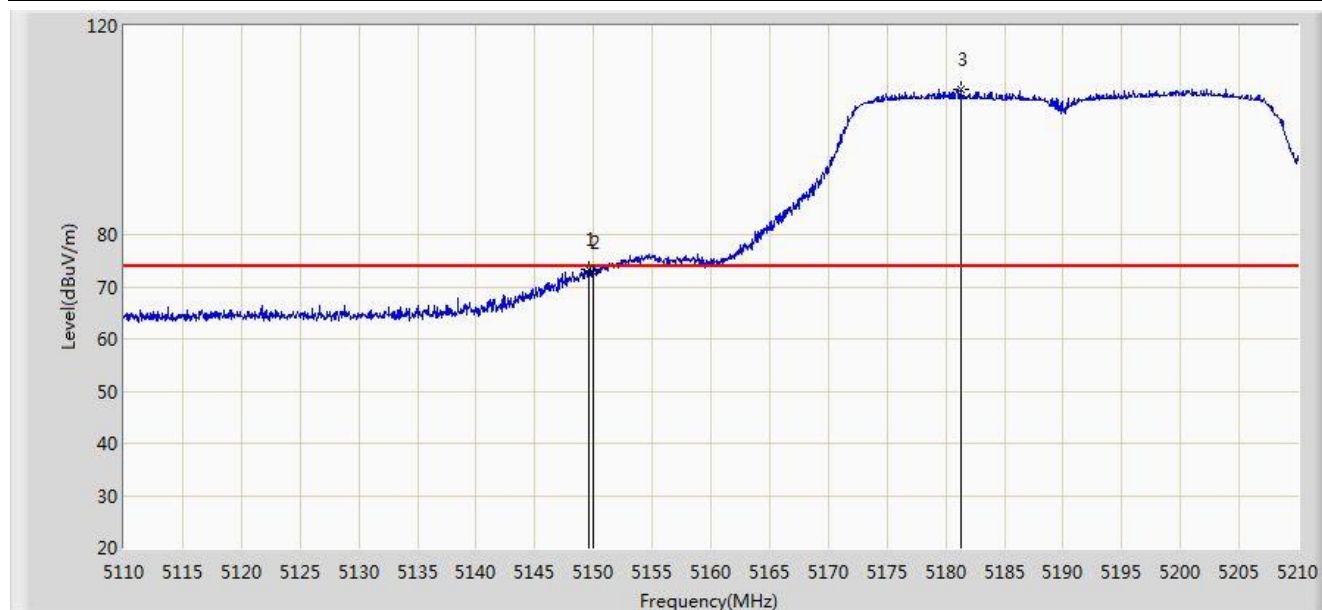


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.391	46.215	-0.609	54.000	7.176	AV
2		*	5201.850	94.901	87.978	N/A	N/A	6.923	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

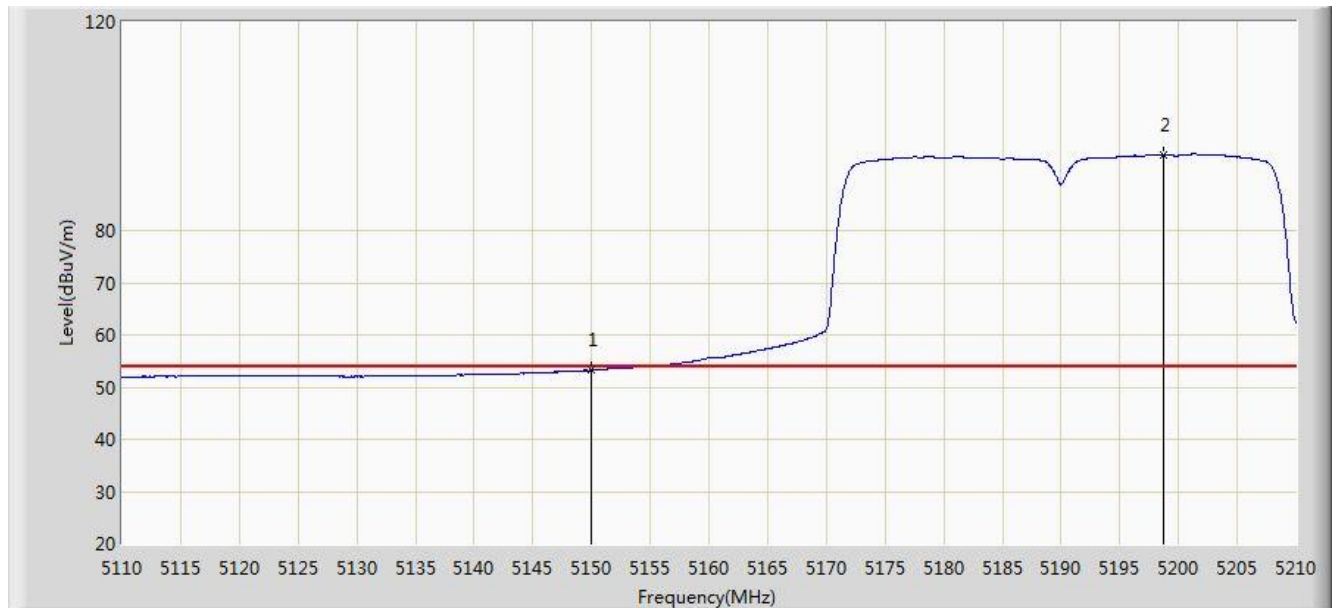


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.550	73.432	66.256	-0.568	74.000	7.177	PK
2			5150.000	72.648	65.472	-1.352	74.000	7.176	PK
3		*	5181.350	107.800	100.755	N/A	N/A	7.045	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	



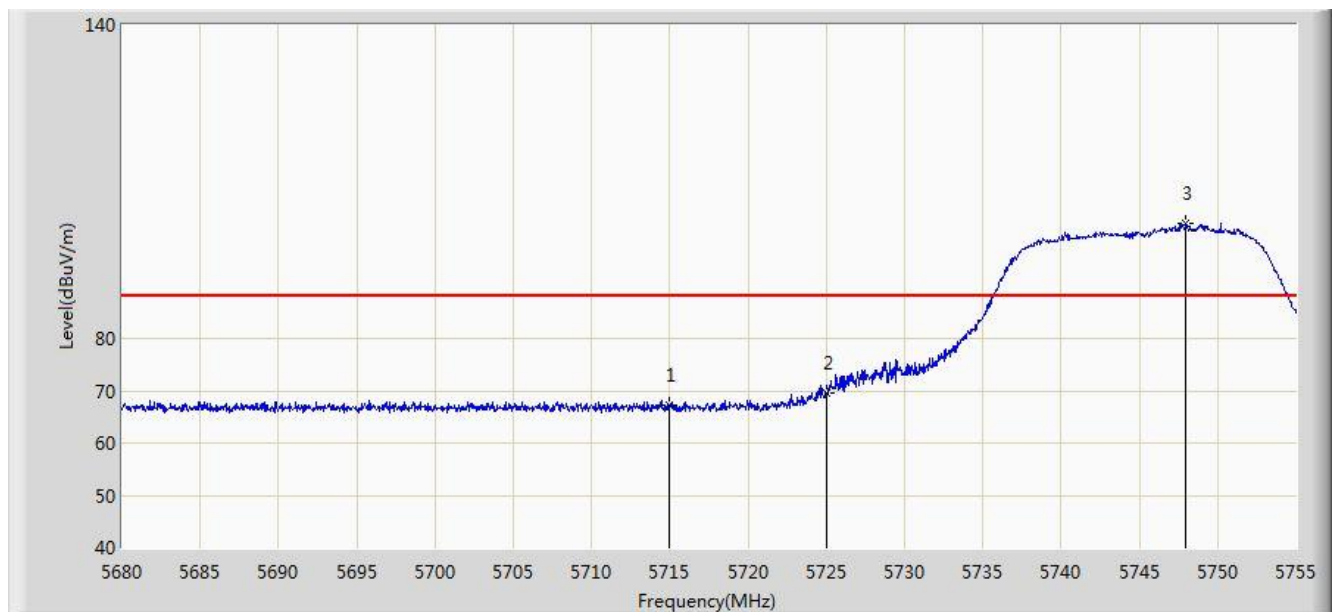
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.274	46.098	-0.726	54.000	7.176	AV
2		*	5198.750	94.538	87.598	N/A	N/A	6.940	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

## Test by Panel Antenna – 25dBi for 5725-5850MHz Band

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 16:54
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

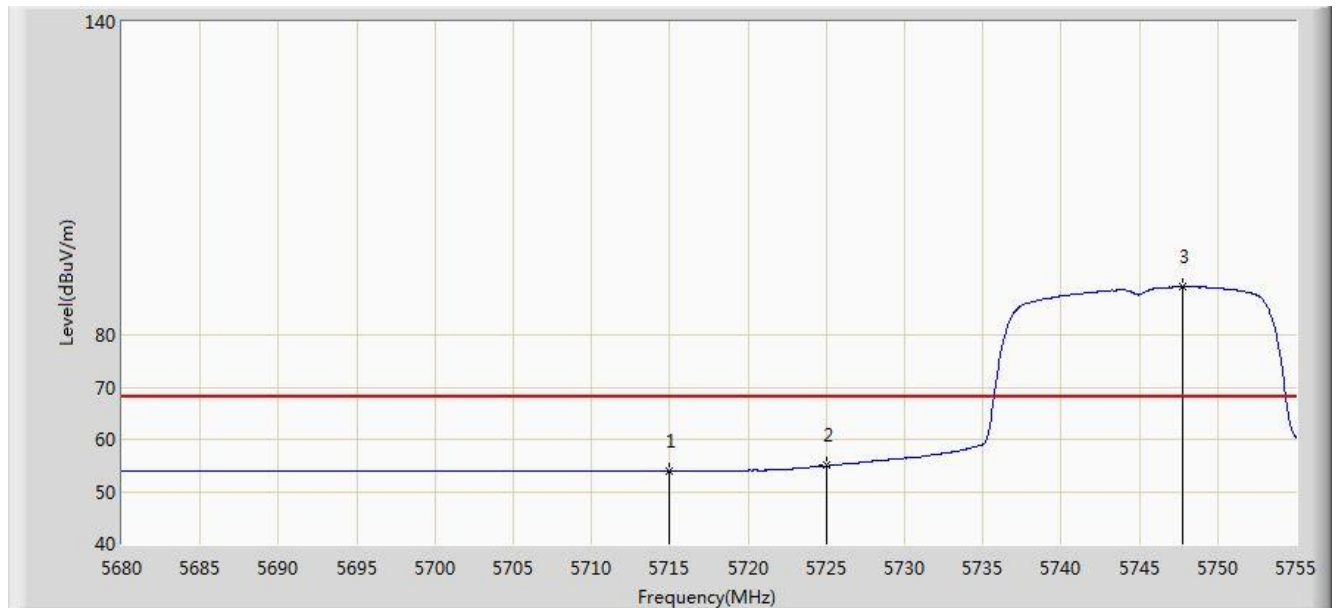


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.238	59.466	-20.962	88.200	7.772	PK
2			5725.000	69.491	61.700	-28.709	98.200	7.791	PK
3		*	5747.958	102.081	94.242	N/A	N/A	7.839	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:02
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

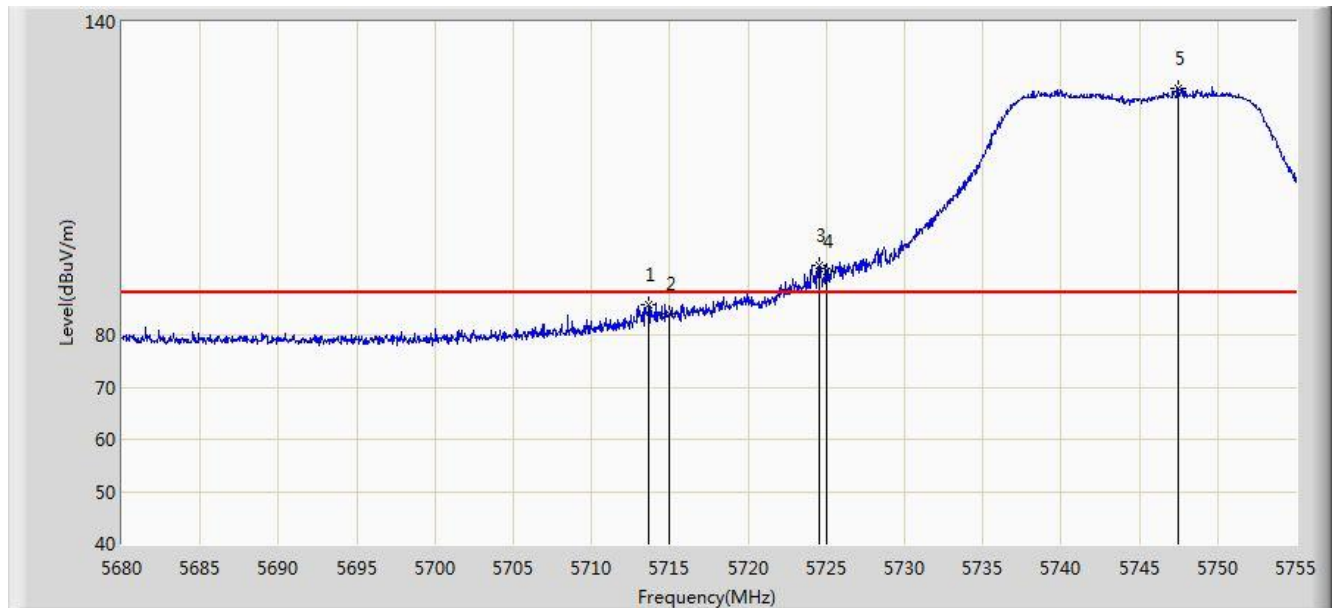


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.916	46.144	-14.284	68.200	7.772	AV
2			5725.000	54.933	47.142	-23.267	78.200	7.791	AV
3		*	5747.788	89.173	81.334	N/A	N/A	7.839	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:03
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

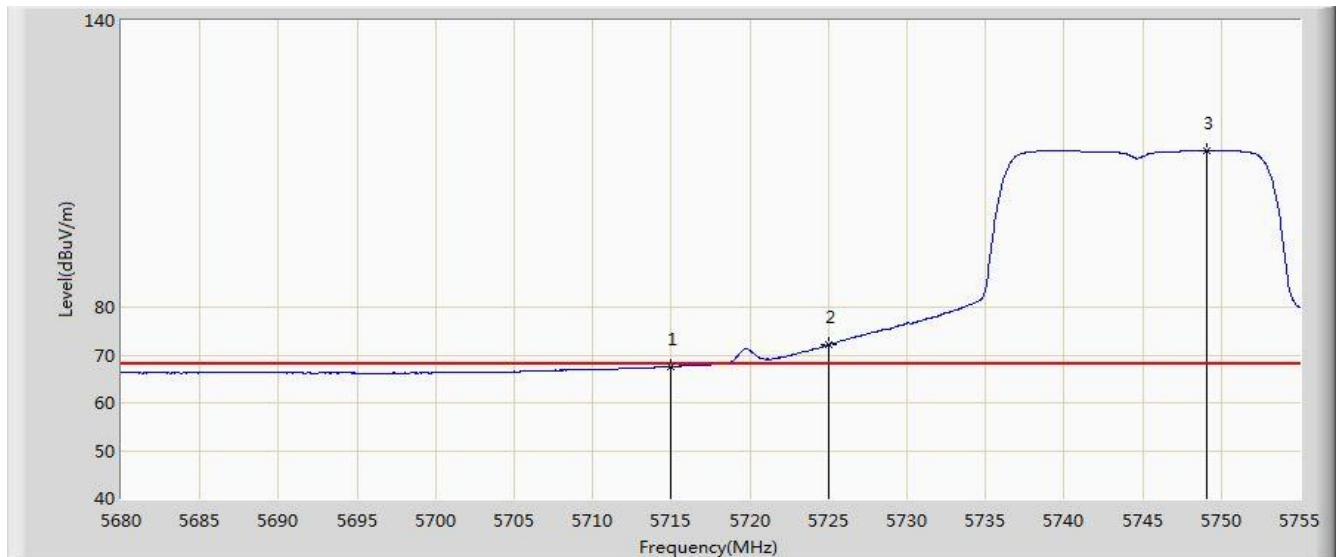


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.660	85.882	78.113	-2.318	88.200	7.769	PK
2			5715.000	84.127	76.355	-4.073	88.200	7.772	PK
3			5724.583	93.445	85.655	-4.755	98.200	7.790	PK
4			5725.000	92.241	84.450	-5.959	98.200	7.791	PK
5		*	5747.490	127.296	119.458	N/A	N/A	7.838	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:07
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	



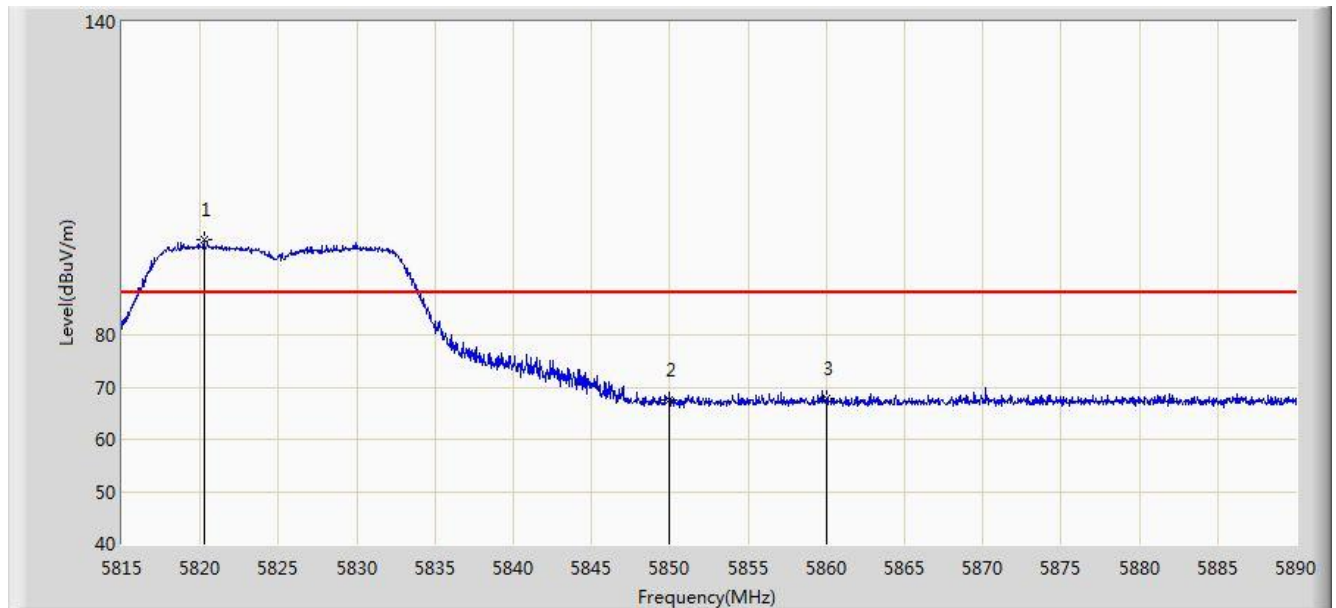
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.541	59.769	-0.659	68.200	7.772	AV
2			5725.000	72.182	64.391	-6.018	78.200	7.791	AV
3		*	5749.105	112.852	105.011	N/A	N/A	7.841	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:43
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

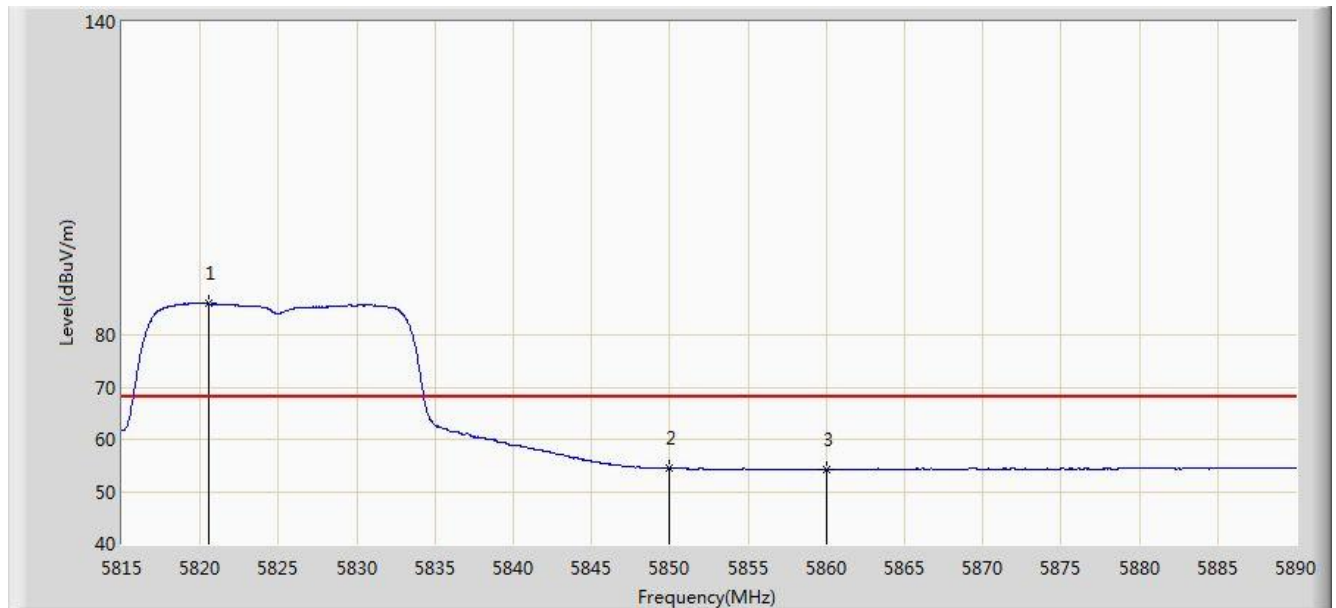


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.250	98.264	90.221	N/A	N/A	8.043	PK
2			5850.000	67.629	59.495	-30.571	98.200	8.134	PK
3			5860.000	67.848	59.659	-20.352	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:46
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

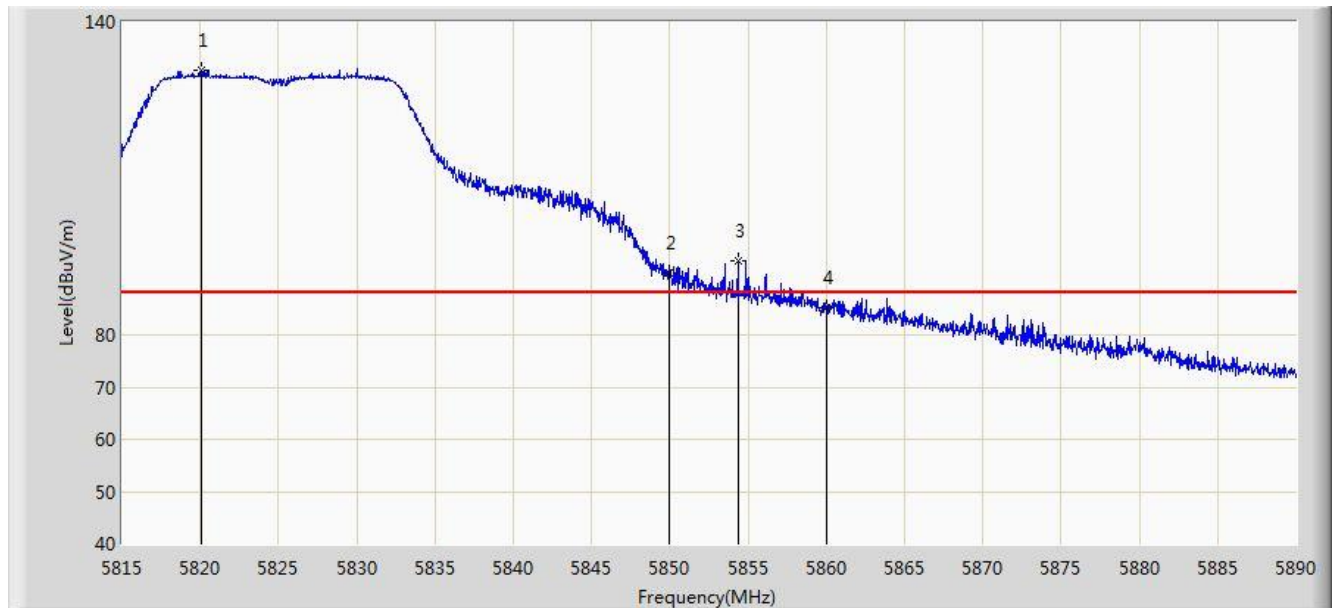


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.550	85.963	77.920	N/A	N/A	8.043	AV
2			5850.000	54.396	46.262	-23.804	78.200	8.134	AV
3			5860.000	54.324	46.135	-13.876	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:47
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

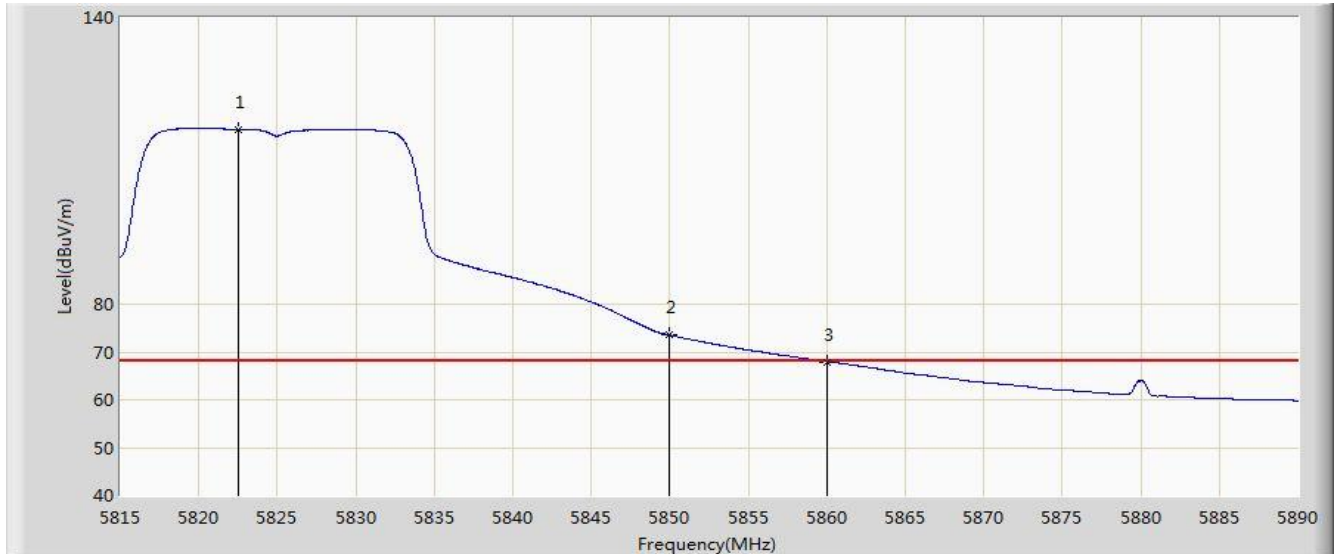


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.062	130.729	122.686	N/A	N/A	8.043	PK
2			5850.000	91.943	83.809	-6.257	98.200	8.134	PK
3			5854.337	94.255	86.097	-3.945	98.200	8.157	PK
4			5860.000	85.322	77.133	-2.878	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:48
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

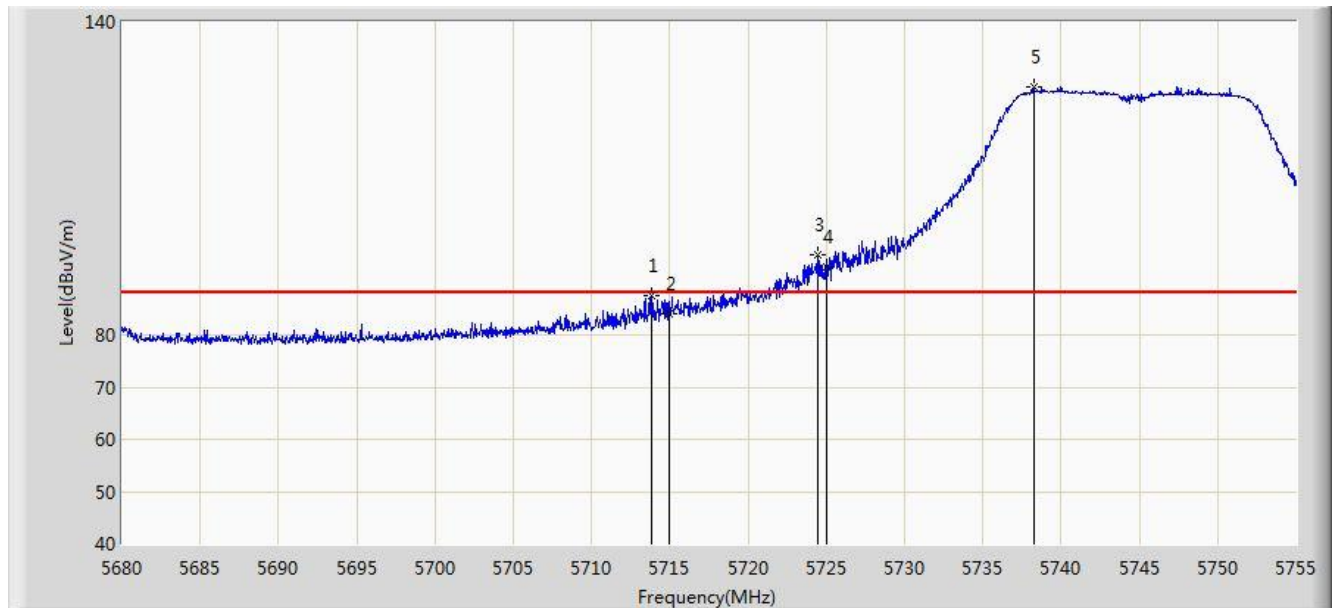


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.538	116.571	108.524	N/A	N/A	8.047	AV
2			5850.000	73.538	65.404	-4.662	78.200	8.134	AV
3			5860.000	67.939	59.750	-0.261	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:54
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

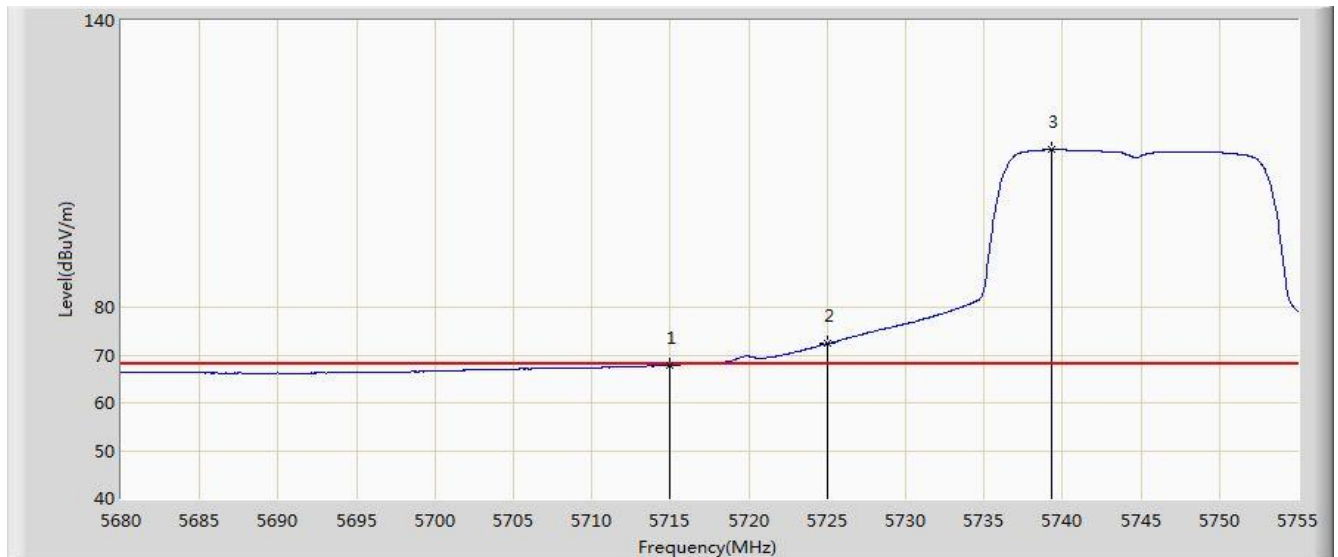


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.788	87.415	79.646	-0.785	88.200	7.769	PK
2			5715.000	84.197	76.425	-4.003	88.200	7.772	PK
3			5724.498	95.496	87.706	-2.704	98.200	7.790	PK
4			5725.000	93.054	85.263	-5.146	98.200	7.791	PK
5		*	5738.268	127.548	119.728	N/A	N/A	7.820	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

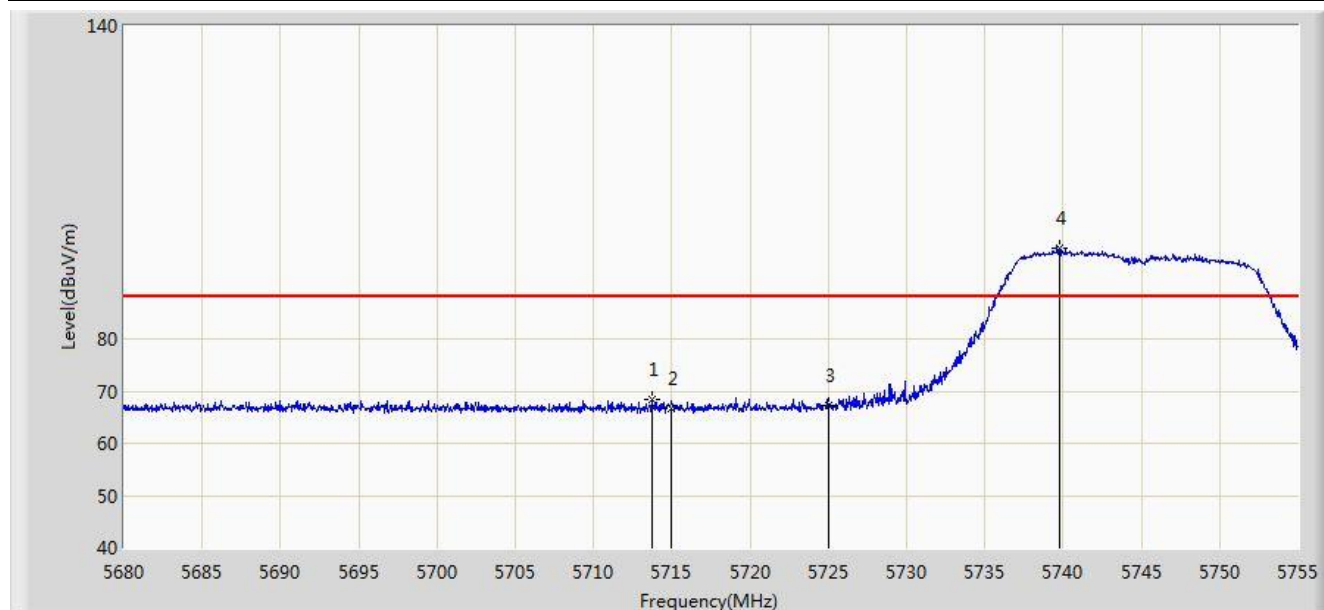


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.883	60.111	-0.317	68.200	7.772	AV
2			5725.000	72.371	64.580	-5.829	78.200	7.791	AV
3		*	5739.330	112.949	105.127	N/A	N/A	7.822	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

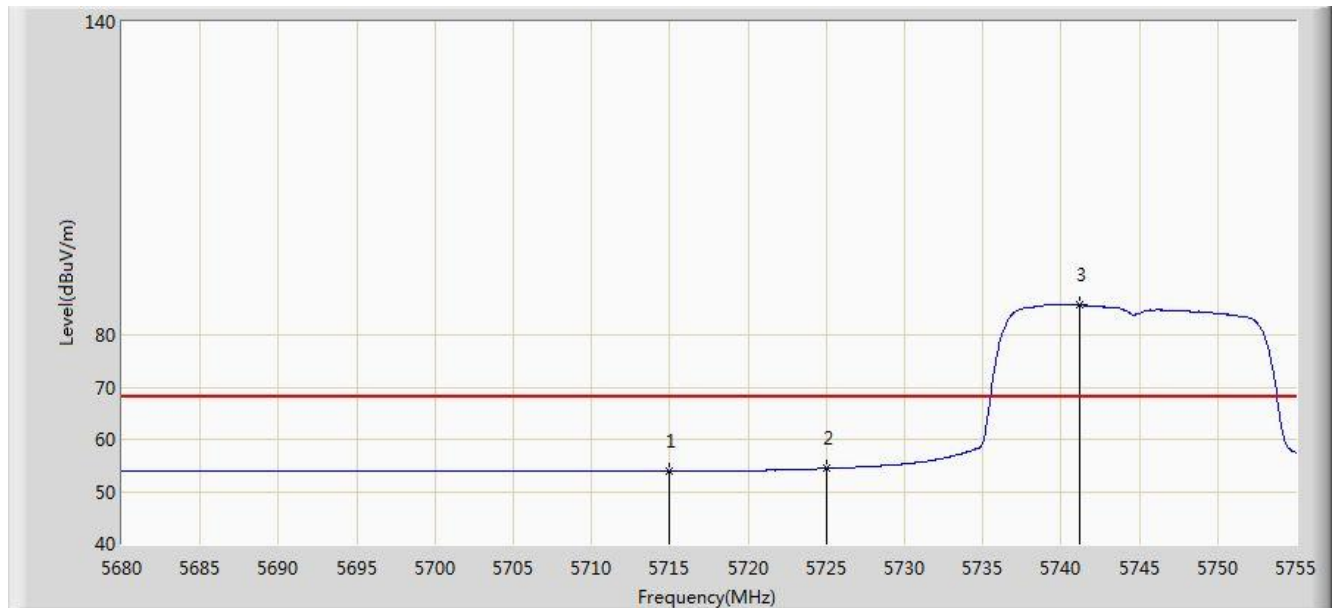


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.703	68.447	60.678	-19.753	88.200	7.769	PK
2			5715.000	66.596	58.824	-21.604	88.200	7.772	PK
3			5725.000	67.282	59.491	-30.918	98.200	7.791	PK
4		*	5739.797	97.341	89.519	N/A	N/A	7.822	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	



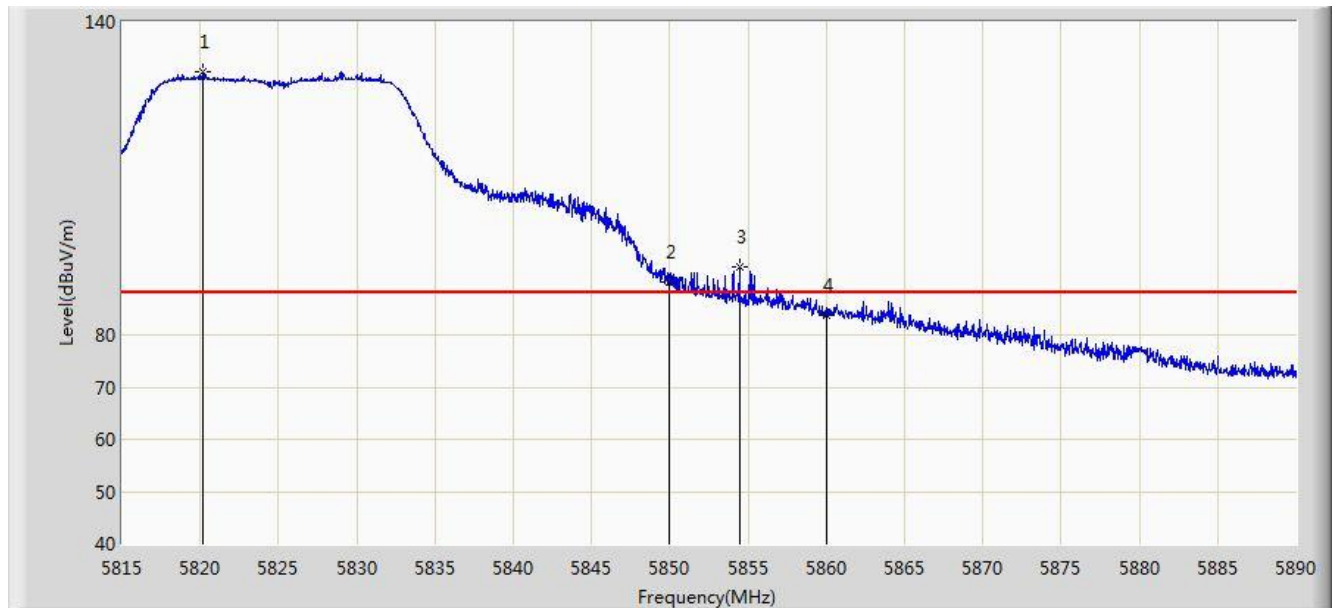
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.861	46.089	-14.339	68.200	7.772	AV
2			5725.000	54.418	46.627	-23.782	78.200	7.791	AV
3		*	5741.158	85.702	77.877	N/A	N/A	7.825	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 17:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

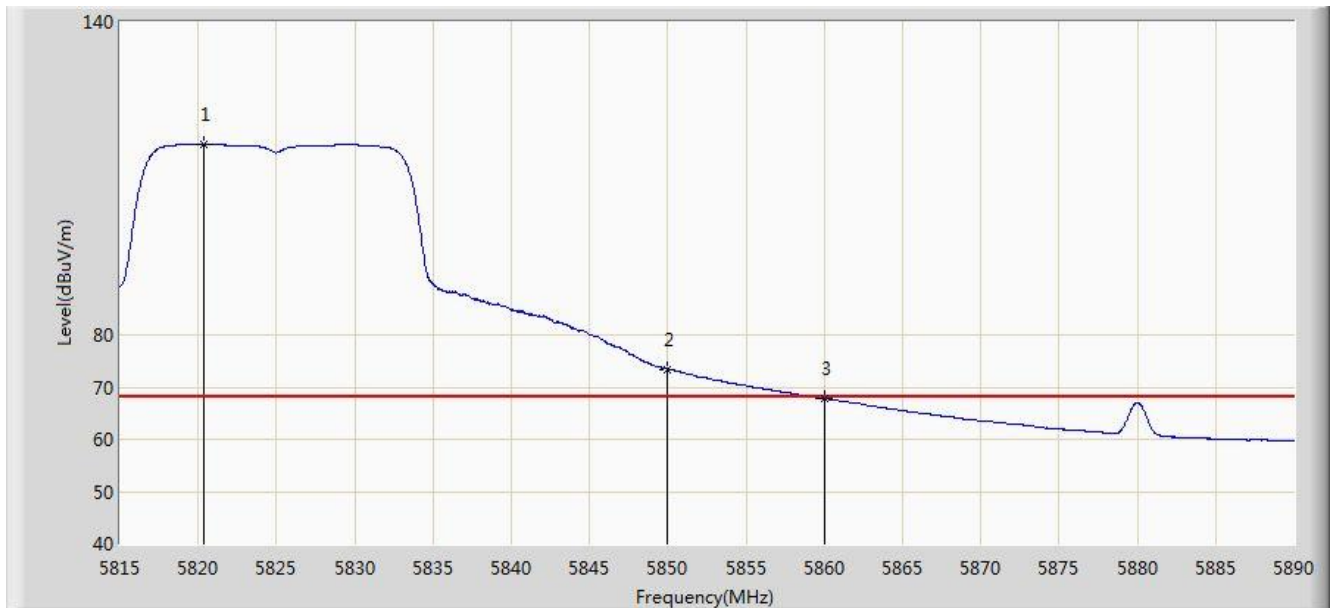


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.212	130.383	122.340	N/A	N/A	8.043	PK
2			5850.000	90.159	82.025	-8.041	98.200	8.134	PK
3			5854.450	93.078	84.920	-5.122	98.200	8.158	PK
4			5860.000	83.798	75.609	-4.402	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:00
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

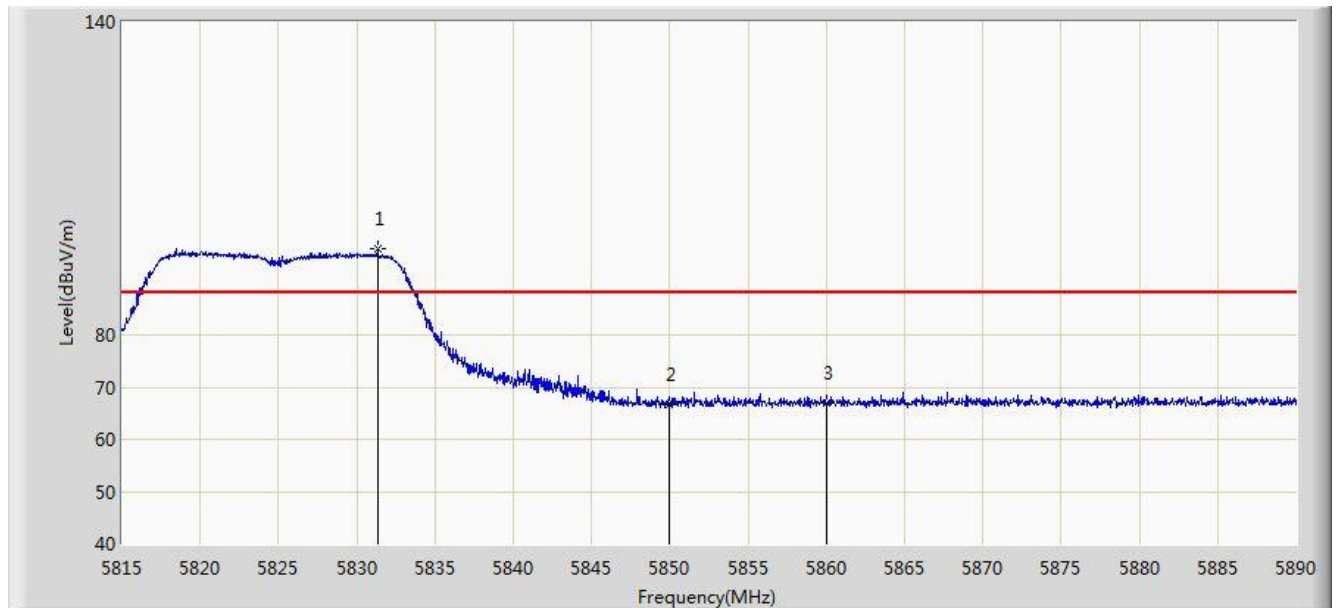


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.400	116.564	108.521	N/A	N/A	8.043	AV
2			5850.000	73.437	65.303	-4.763	78.200	8.134	AV
3			5860.000	67.762	59.573	-0.438	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:02
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

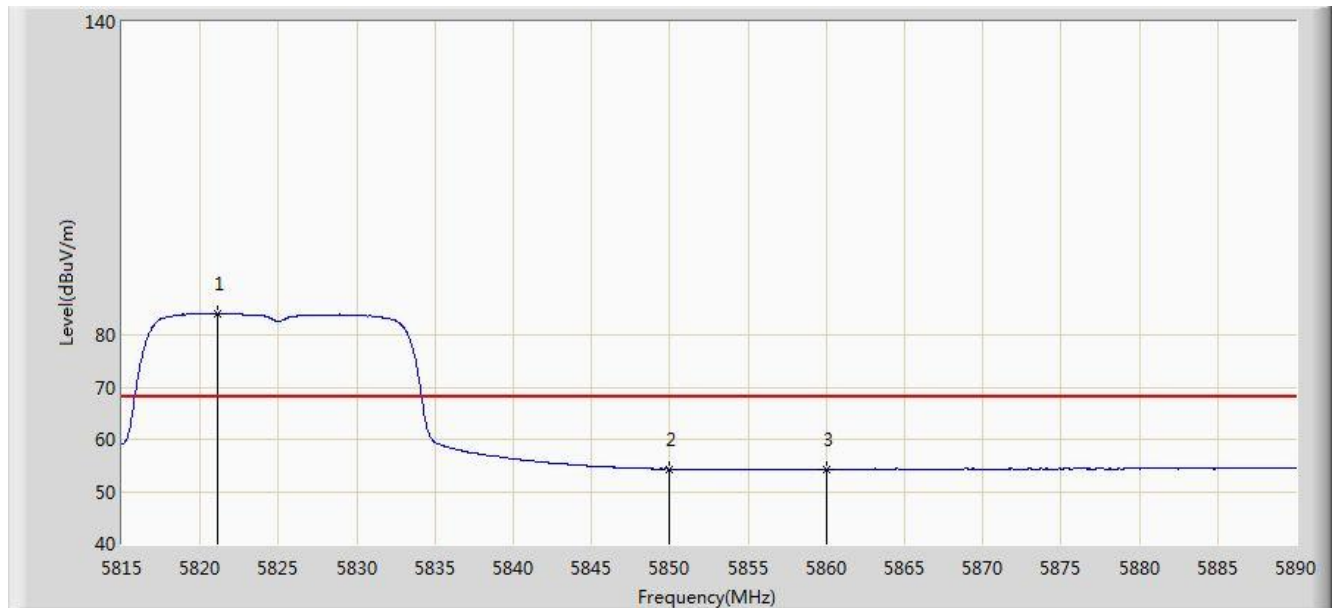


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5831.312	96.411	88.346	N/A	N/A	8.065	PK
2			5850.000	66.655	58.521	-31.545	98.200	8.134	PK
3			5860.000	66.967	58.778	-21.233	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:03
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

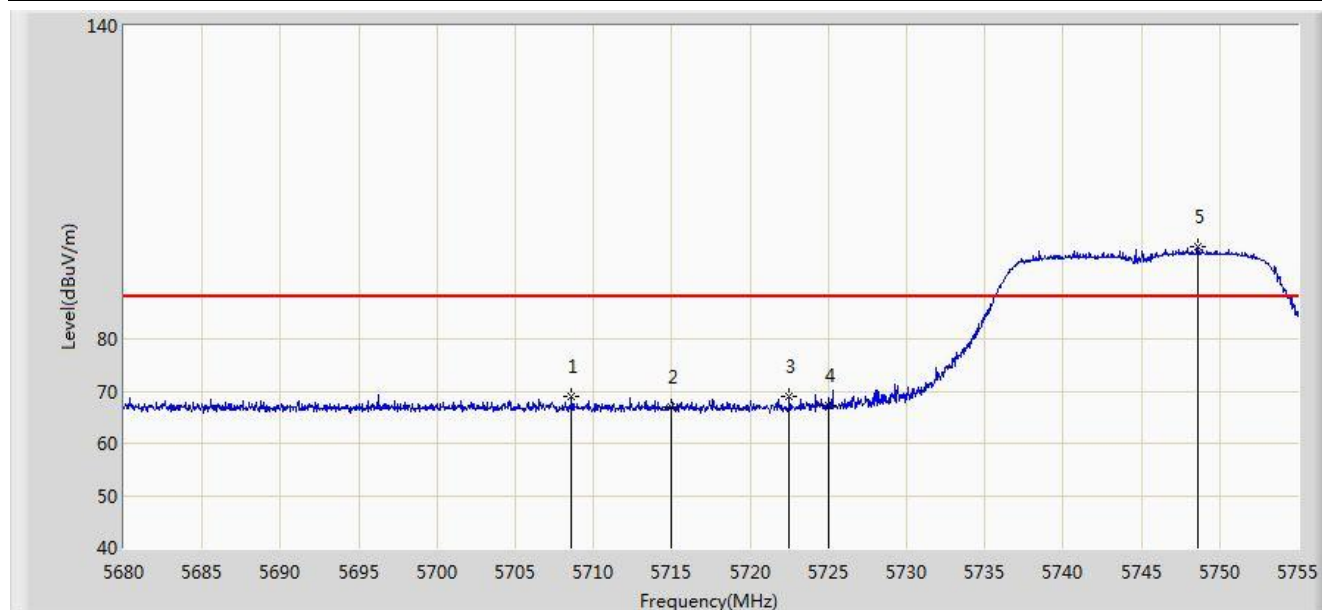


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.150	84.071	76.027	N/A	N/A	8.044	AV
2			5850.000	54.328	46.194	-23.872	78.200	8.134	AV
3			5860.000	54.319	46.130	-13.881	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:05
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

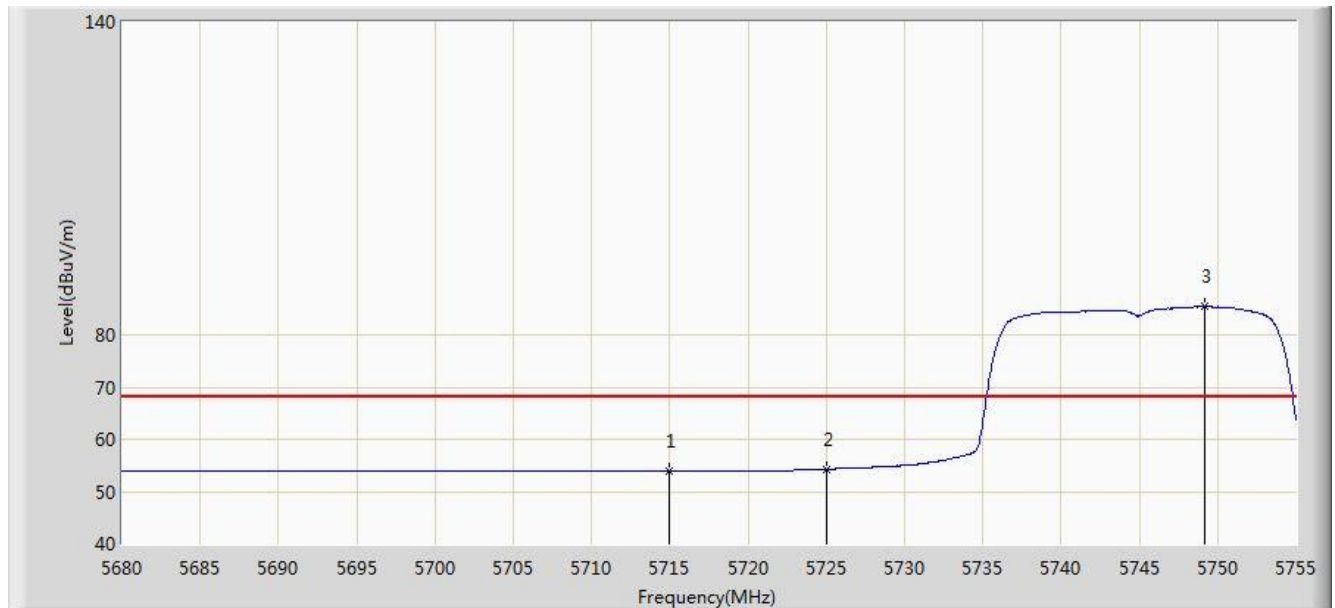


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5708.612	68.933	61.174	-19.267	88.200	7.759	PK
2			5715.000	66.895	59.123	-21.305	88.200	7.772	PK
3			5722.525	68.984	61.198	-29.216	98.200	7.786	PK
4			5725.000	67.150	59.359	-31.050	98.200	7.791	PK
5		*	5748.587	97.545	89.705	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:07
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

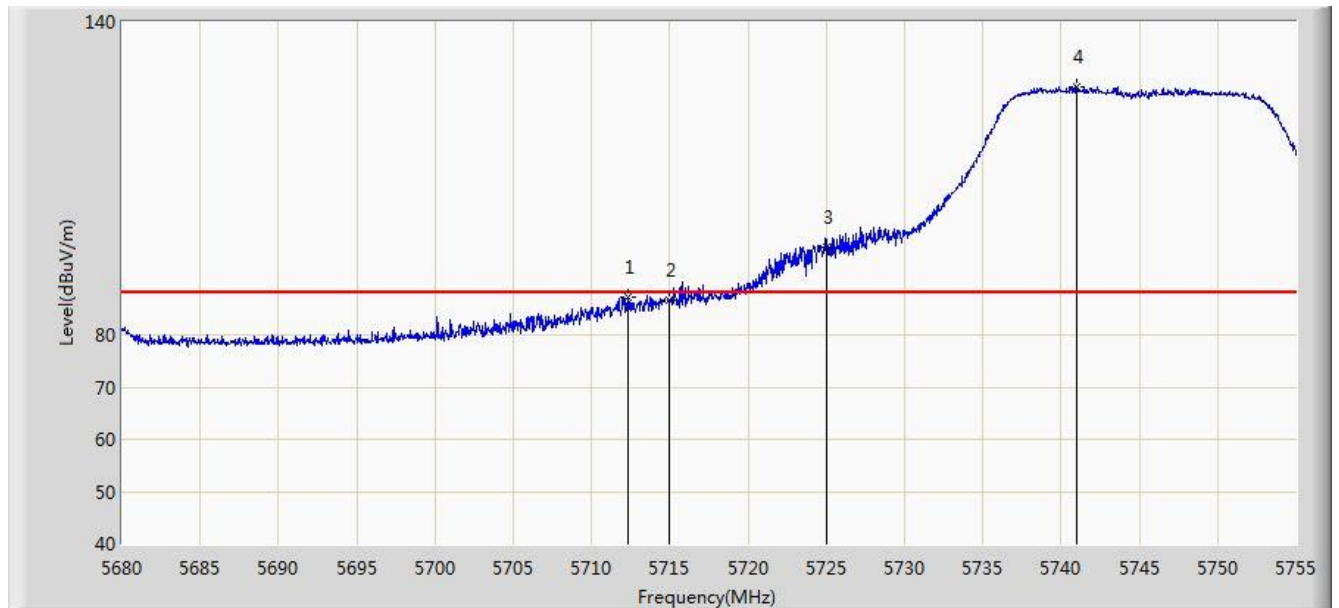


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.858	46.086	-14.342	68.200	7.772	AV
2			5725.000	54.301	46.510	-23.899	78.200	7.791	AV
3		*	5749.150	85.395	77.554	N/A	N/A	7.841	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:08
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

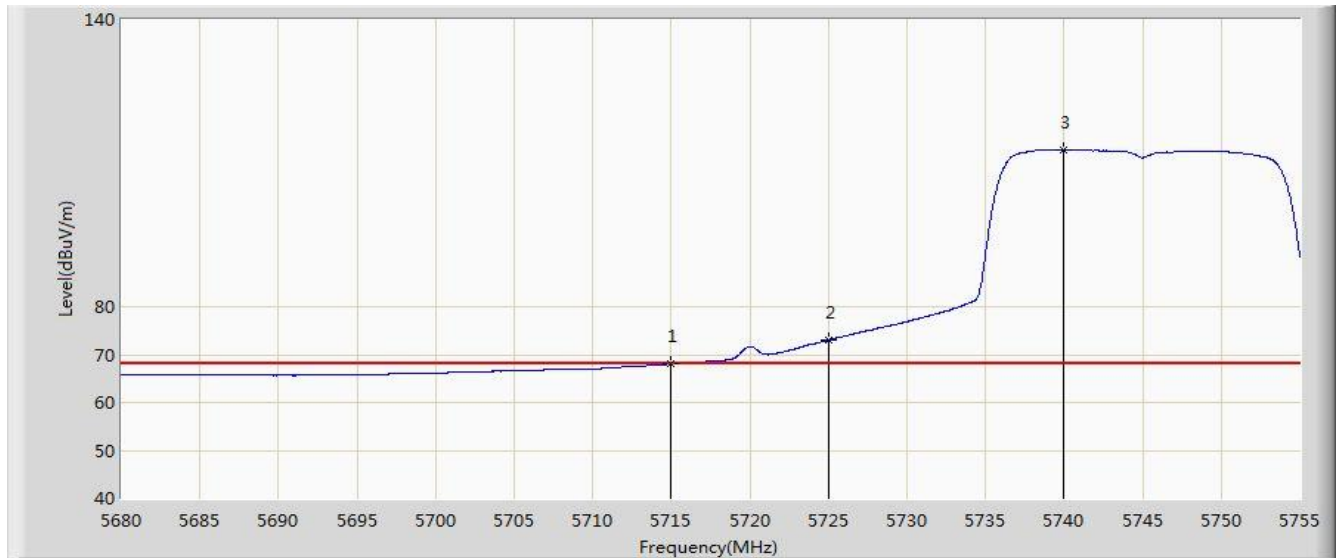


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.325	87.131	79.365	-1.069	88.200	7.767	PK
2			5715.000	86.635	78.863	-1.565	88.200	7.772	PK
3			5725.000	96.785	88.994	-1.415	98.200	7.791	PK
4		*	5740.975	127.510	119.685	N/A	N/A	7.825	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Site: AC1	Time: 2014/08/27 - 18:12
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	



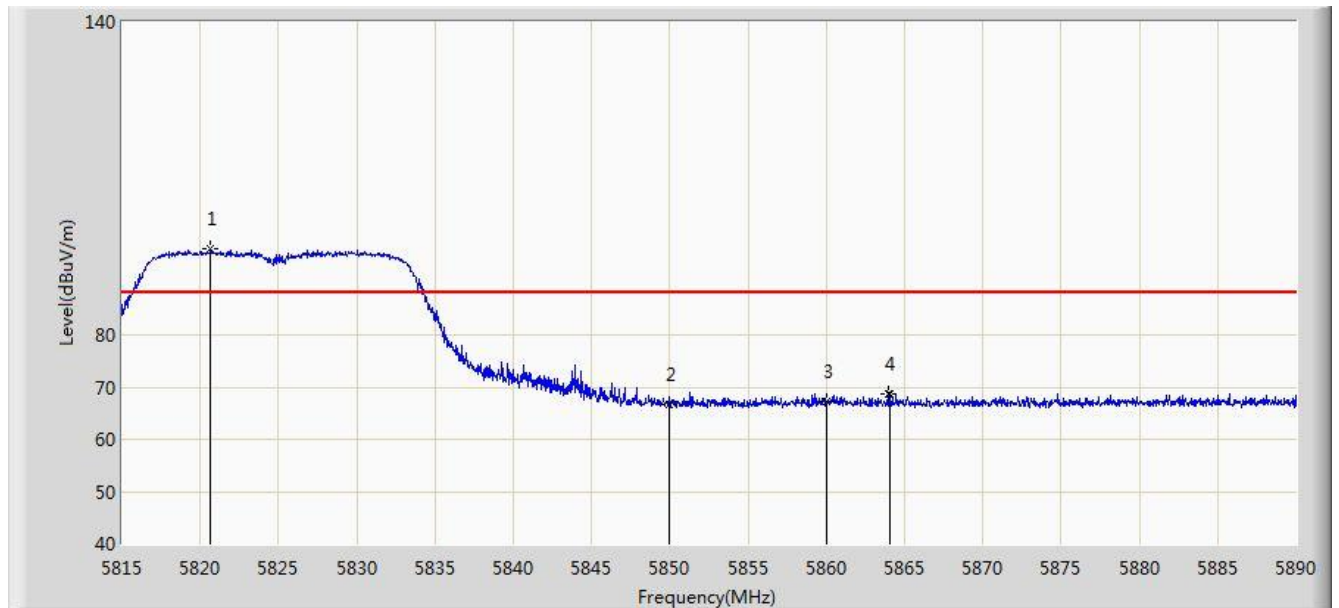
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.025	60.253	-0.175	68.200	7.772	AV
2			5725.000	73.014	65.223	-5.186	78.200	7.791	AV
3		*	5739.925	112.832	105.009	N/A	N/A	7.823	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:16
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

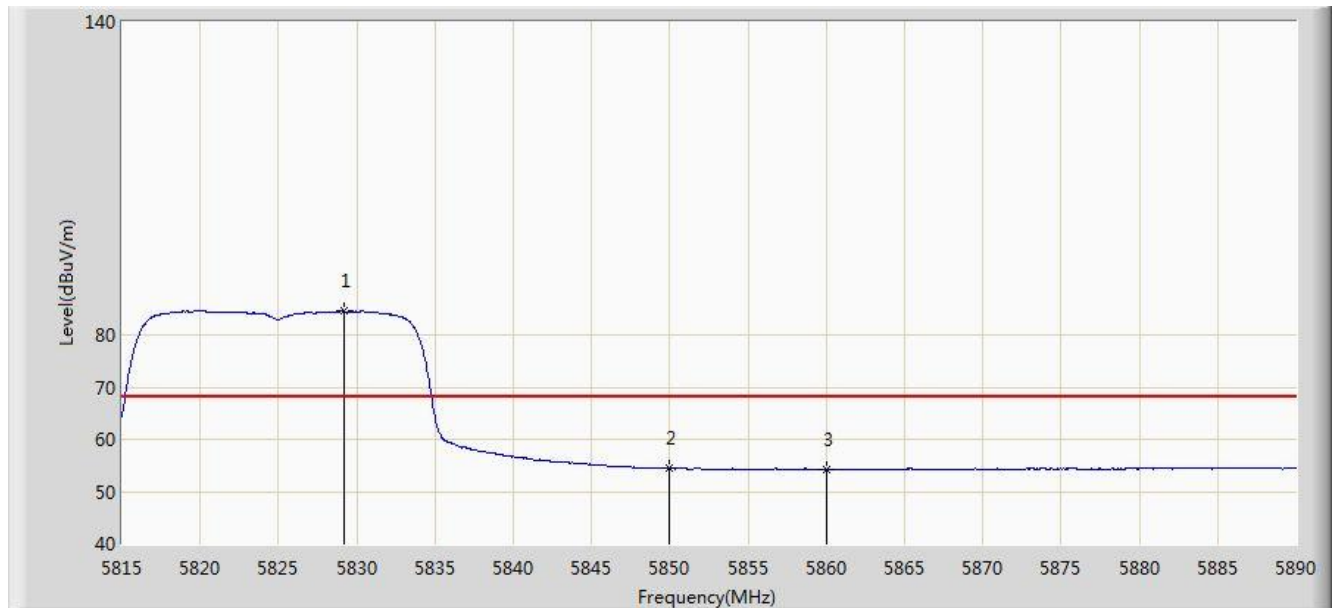


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.663	96.566	88.522	N/A	N/A	8.044	PK
2			5850.000	66.704	58.570	-31.496	98.200	8.134	PK
3			5860.000	67.318	59.129	-20.882	88.200	8.189	PK
4			5864.013	68.728	60.521	-19.472	88.200	8.207	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 18:59
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

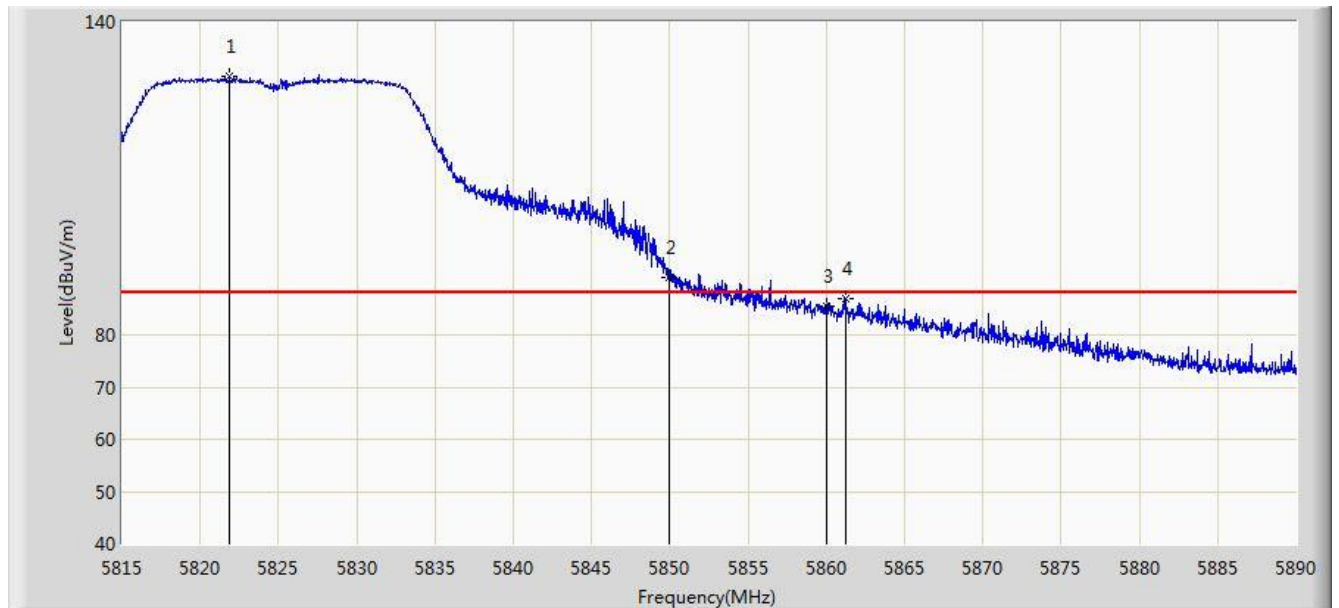


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.175	84.572	76.513	N/A	N/A	8.059	AV
2			5850.000	54.393	46.259	-23.807	78.200	8.134	AV
3			5860.000	54.317	46.128	-13.883	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:00
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

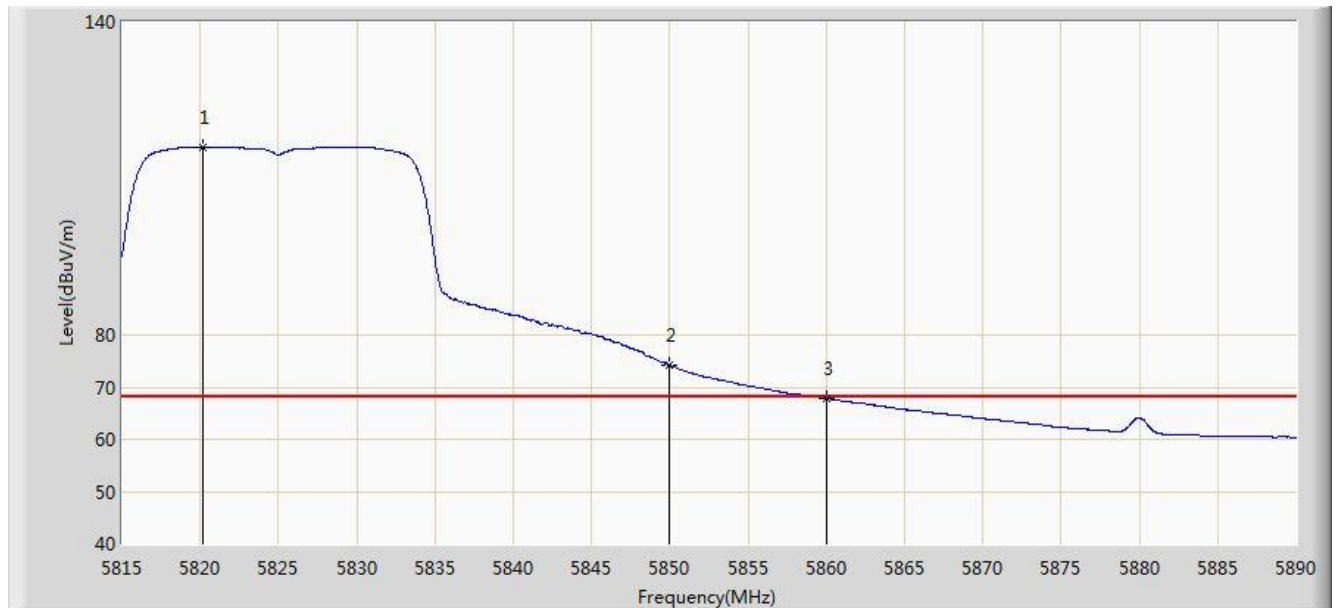


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.862	129.665	121.620	N/A	N/A	8.045	PK
2			5850.000	91.002	82.868	-7.198	98.200	8.134	PK
3			5860.000	85.463	77.274	-2.737	88.200	8.189	PK
4			5861.200	87.009	78.814	-1.191	88.200	8.195	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:01
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

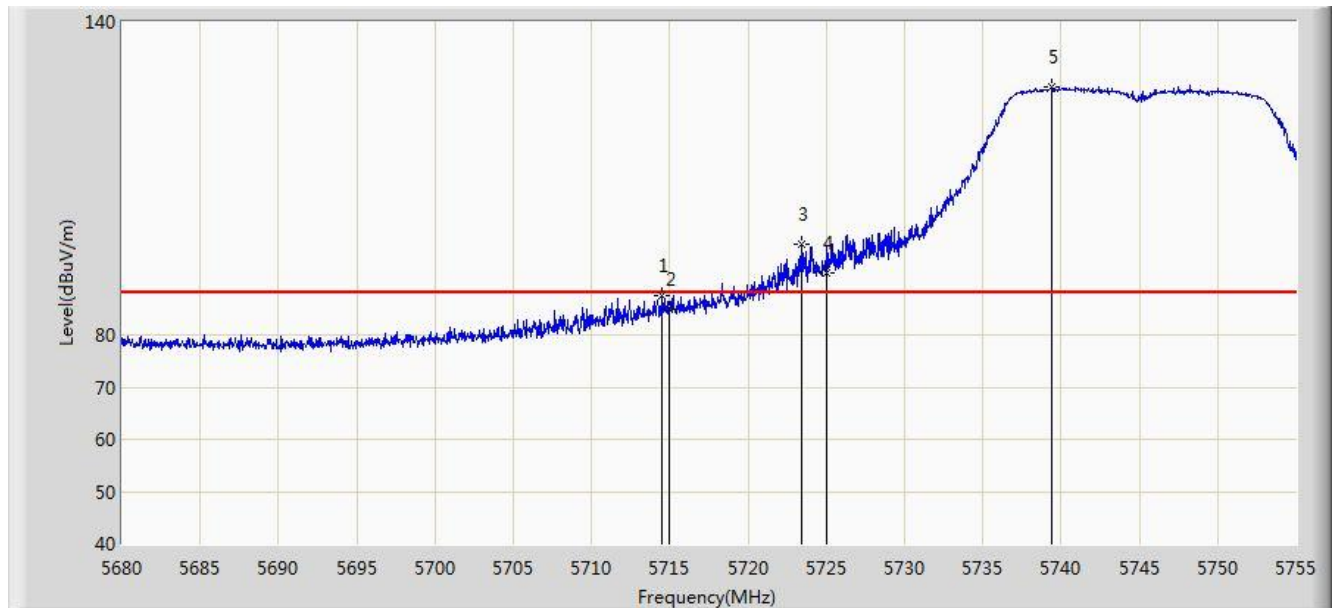


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.212	115.942	107.899	N/A	N/A	8.043	AV
2			5850.000	74.178	66.044	-4.022	78.200	8.134	AV
3			5860.000	67.813	59.624	-0.387	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:03
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

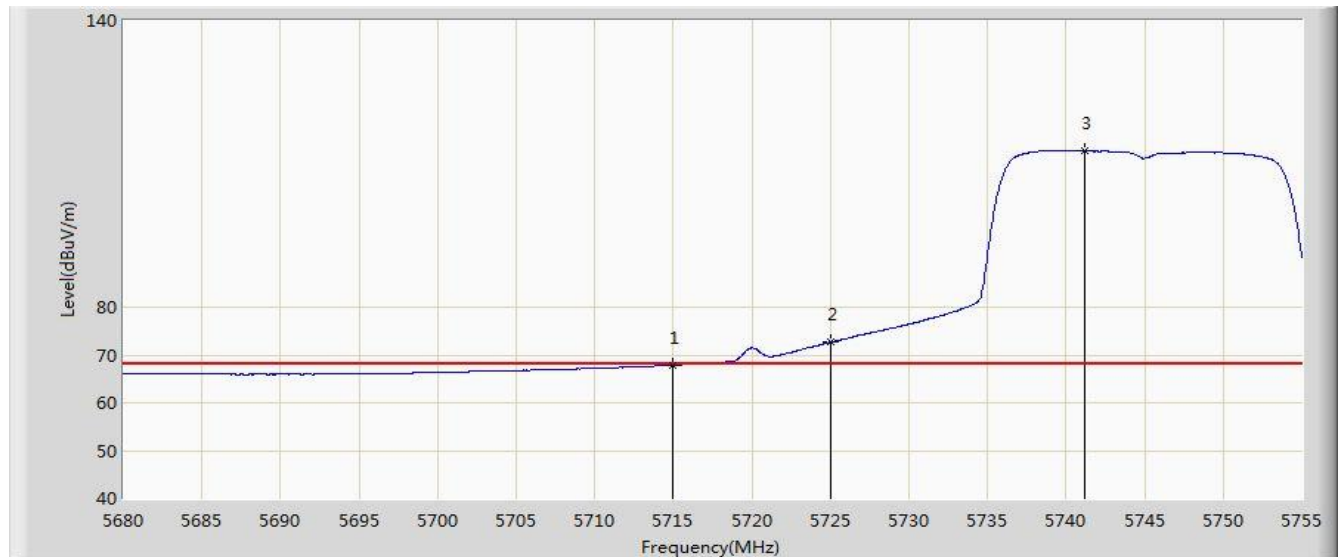


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.538	87.577	79.806	-0.623	88.200	7.771	PK
2			5715.000	84.873	77.101	-3.327	88.200	7.772	PK
3			5723.388	97.258	89.470	-0.942	98.200	7.788	PK
4			5725.000	91.902	84.111	-6.298	98.200	7.791	PK
5		*	5739.400	127.493	119.671	N/A	N/A	7.822	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:06
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

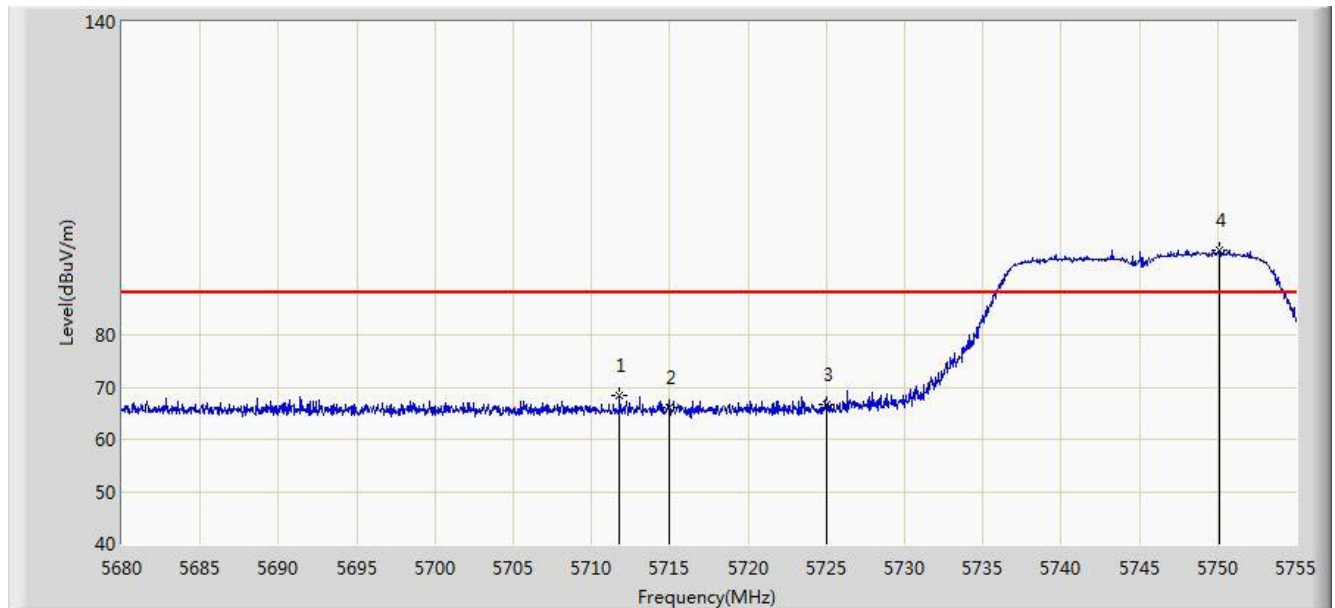


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.886	60.114	-0.314	68.200	7.772	AV
2			5725.000	72.692	64.901	-5.508	78.200	7.791	AV
3		*	5741.200	112.674	104.849	N/A	N/A	7.825	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:09
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

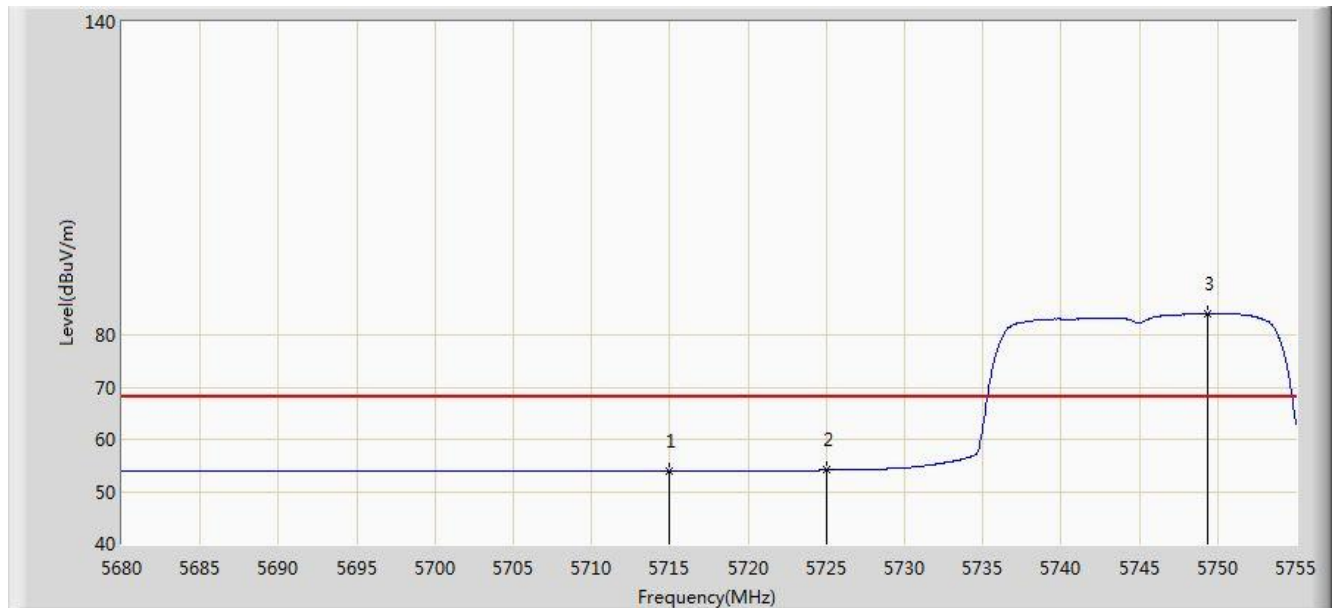


N o	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5711.800	68.461	60.696	-19.739	88.200	7.766	PK
2			5715.000	66.194	58.422	-22.006	88.200	7.772	PK
3			5725.000	66.706	58.915	-31.494	98.200	7.791	PK
4		*	5750.087	96.299	88.456	N/A	N/A	7.843	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:10
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	



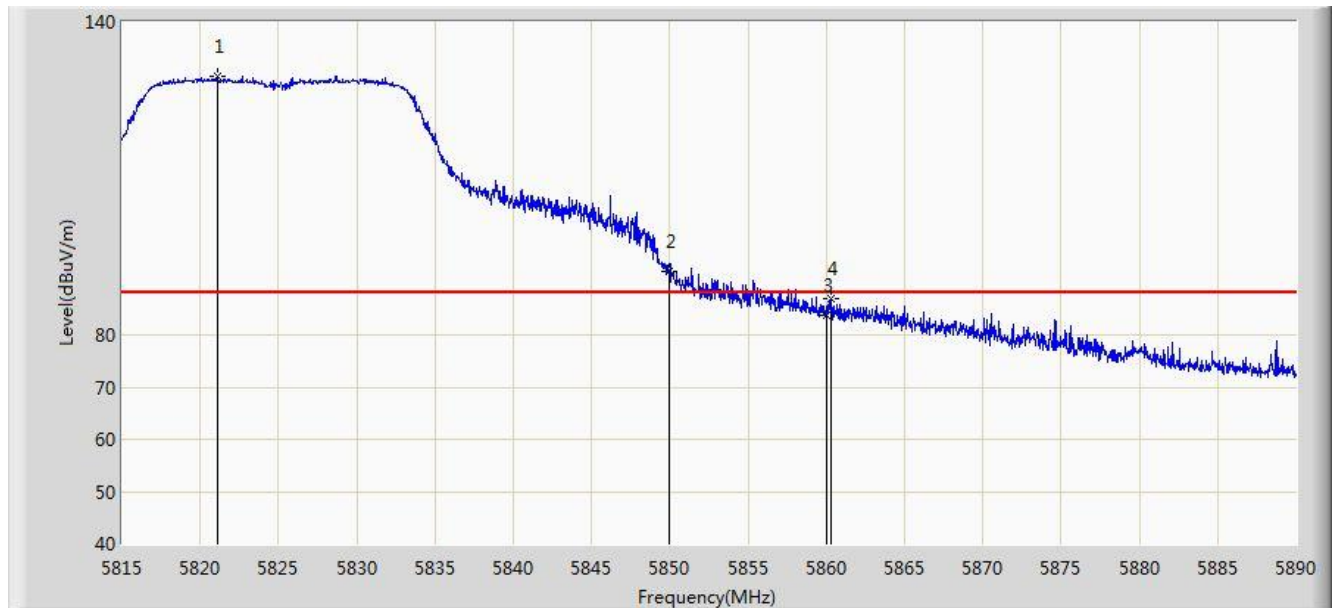
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.855	46.083	-14.345	68.200	7.772	AV
2			5725.000	54.081	46.290	-24.119	78.200	7.791	AV
3		*	5749.375	84.084	76.242	N/A	N/A	7.842	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:13
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

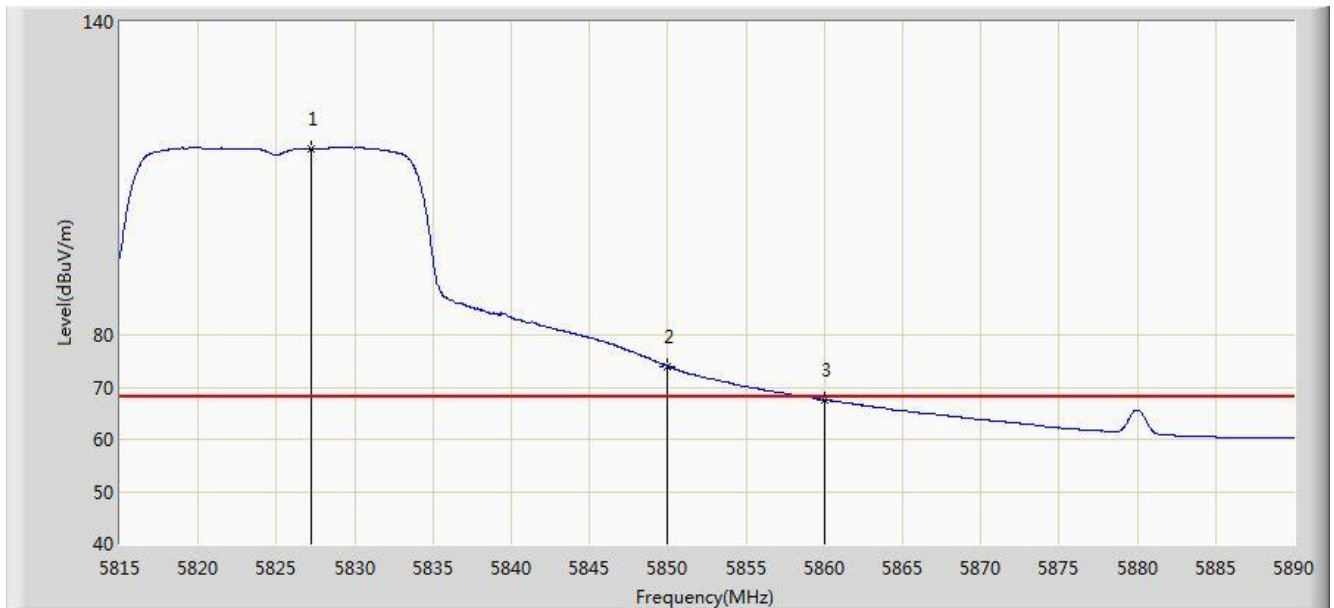


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.112	129.504	121.460	N/A	N/A	8.044	PK
2			5850.000	92.106	83.972	-6.094	98.200	8.134	PK
3			5860.000	83.849	75.660	-4.351	88.200	8.189	PK
4			5860.337	86.900	78.709	-1.300	88.200	8.191	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:16
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

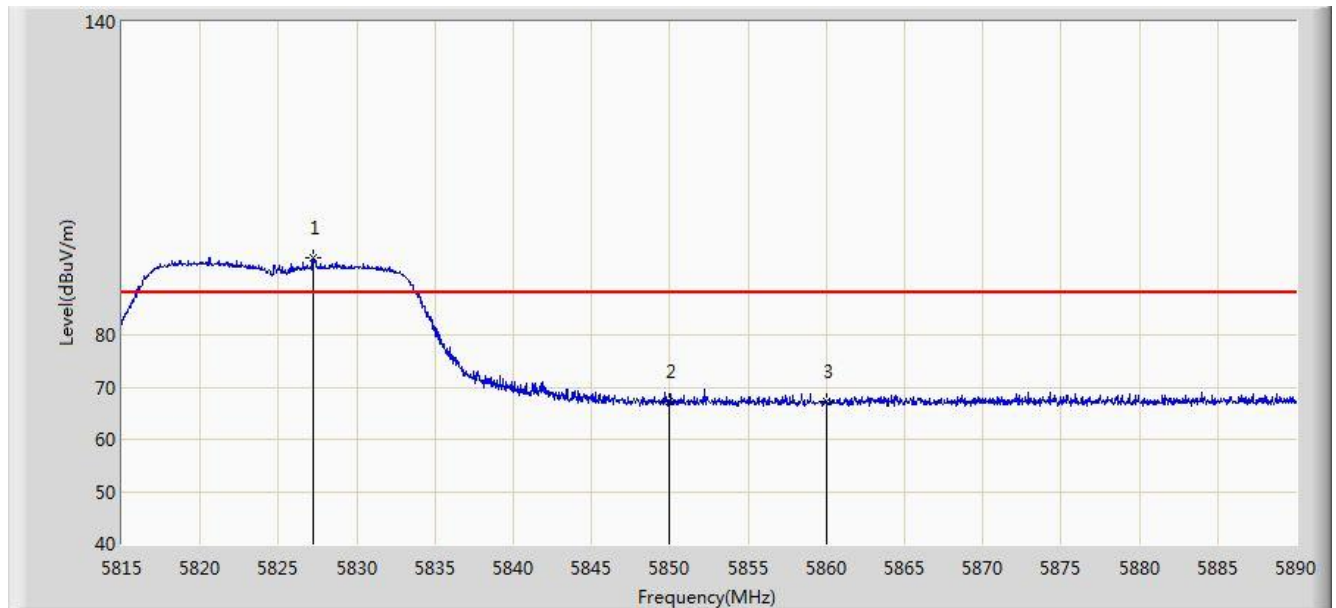


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.225	115.665	107.611	N/A	N/A	8.054	AV
2			5850.000	74.033	65.899	-4.167	78.200	8.134	AV
3			5860.000	67.583	59.394	-0.617	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:18
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

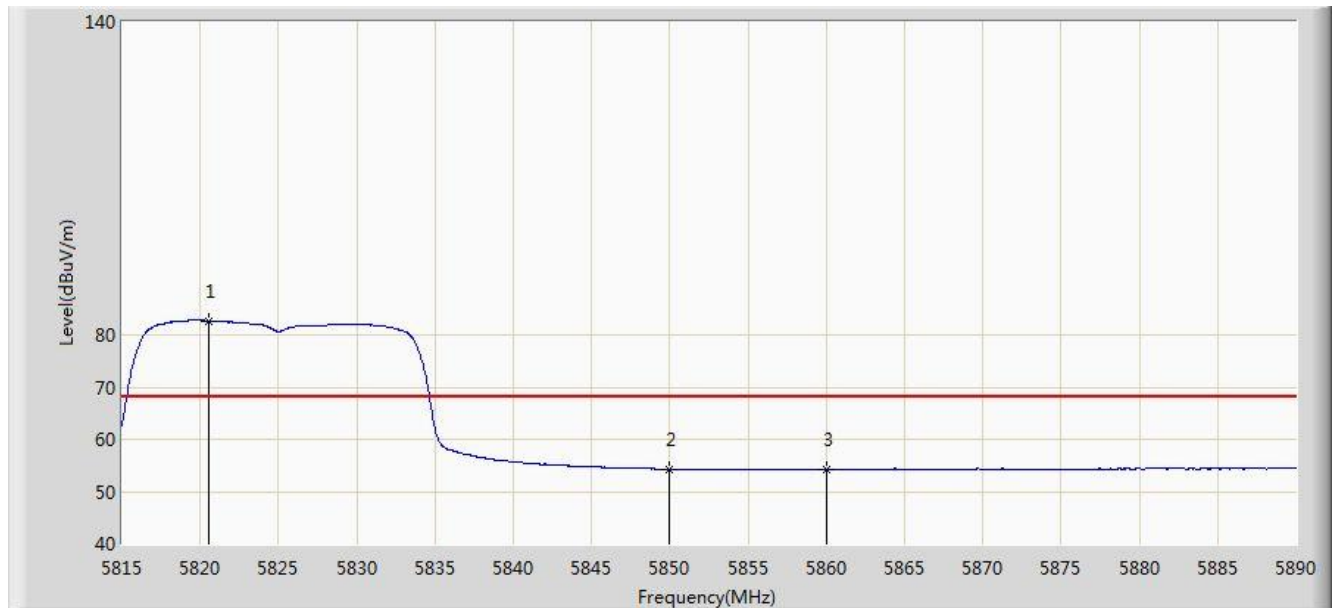


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.225	94.836	86.782	N/A	N/A	8.054	PK
2			5850.000	67.267	59.133	-30.933	98.200	8.134	PK
3			5860.000	67.237	59.048	-20.963	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:20
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

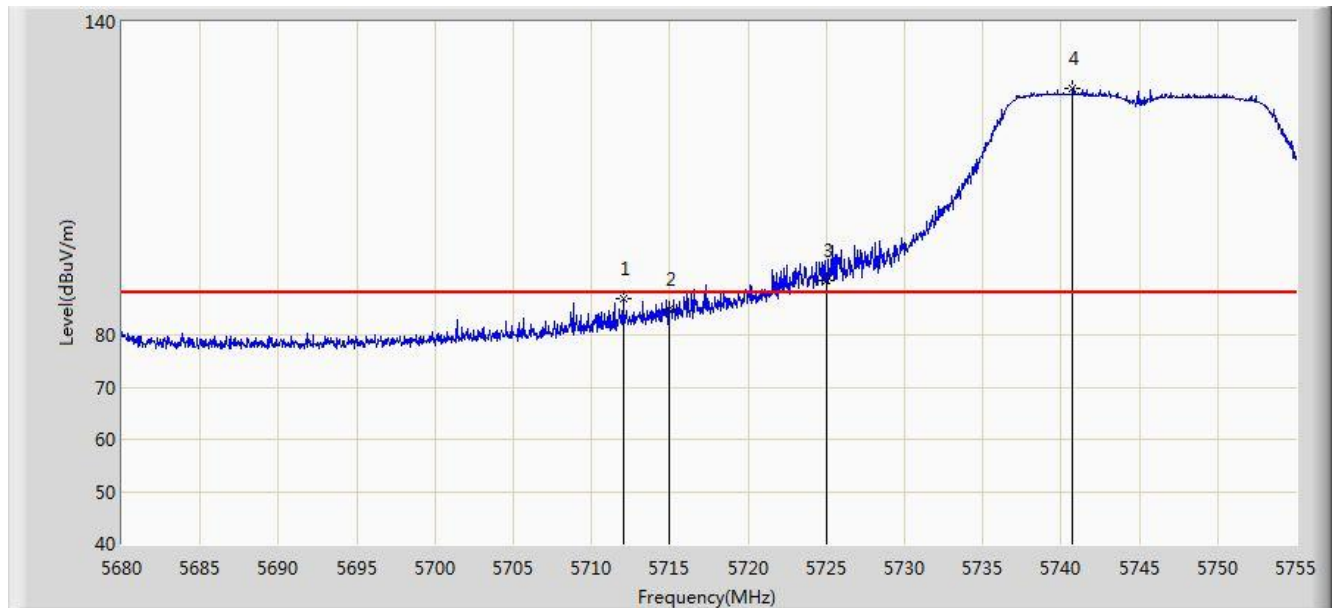


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.550	82.648	74.605	N/A	N/A	8.043	AV
2			5850.000	54.302	46.168	-23.898	78.200	8.134	AV
3			5860.000	54.295	46.106	-13.905	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:21
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

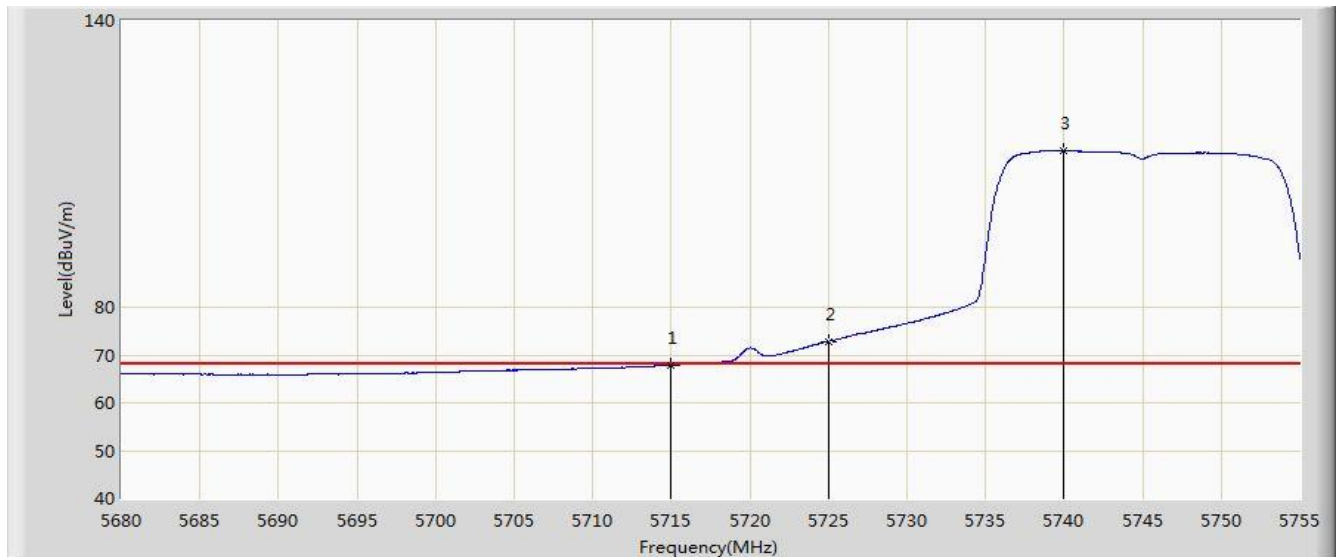


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5712.025	87.009	79.243	-1.191	88.200	7.766	PK
2			5715.000	85.031	77.259	-3.169	88.200	7.772	PK
3			5725.000	90.564	82.773	-7.636	98.200	7.791	PK
4		*	5740.750	127.314	119.490	N/A	N/A	7.824	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:24
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

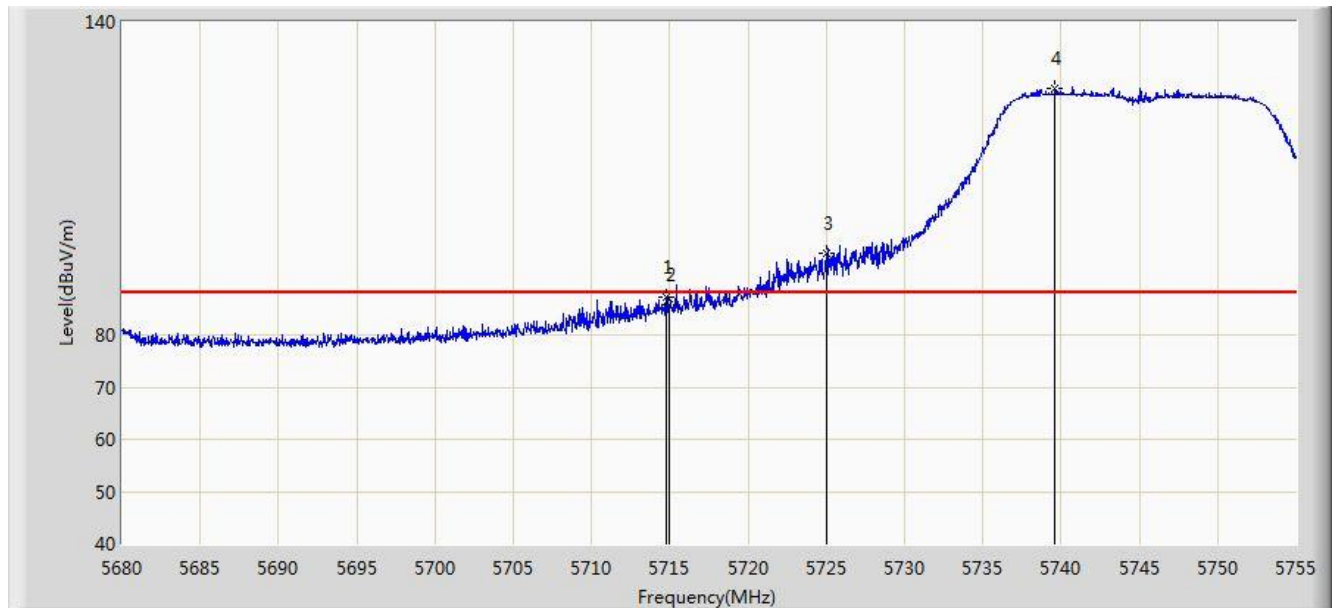


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.896	60.124	-0.304	68.200	7.772	AV
2			5725.000	72.833	65.042	-5.367	78.200	7.791	AV
3		*	5739.925	112.742	104.919	N/A	N/A	7.823	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:25
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

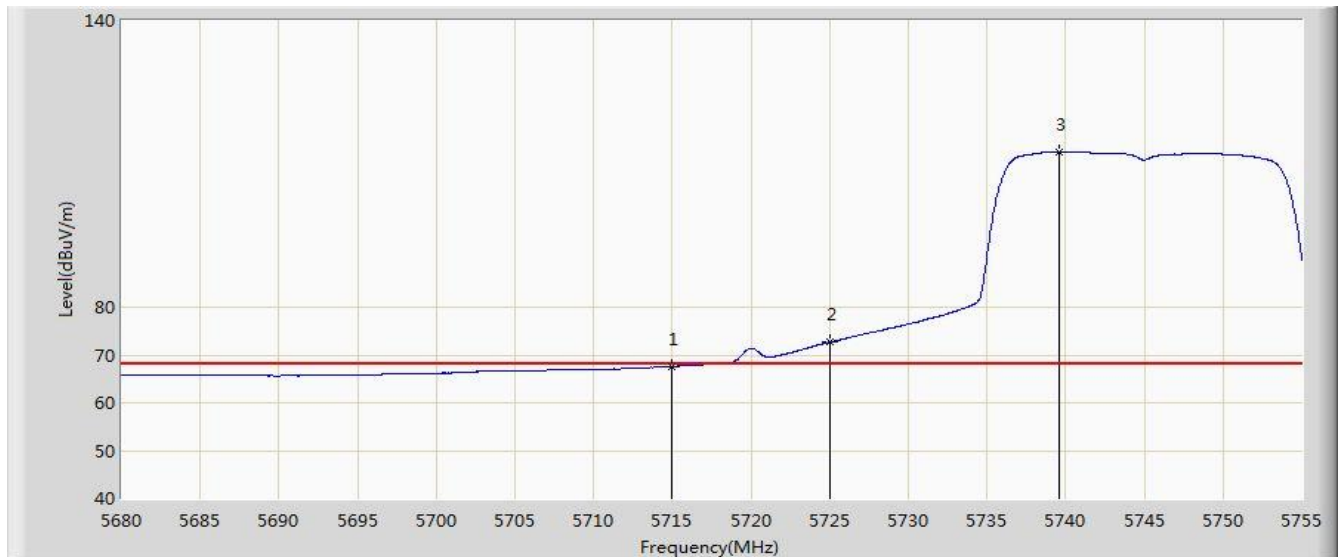


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.763	87.249	79.478	-0.951	88.200	7.771	PK
2			5715.000	85.847	78.075	-2.353	88.200	7.772	PK
3			5725.000	95.555	87.764	-2.645	98.200	7.791	PK
4		*	5739.587	127.212	119.390	N/A	N/A	7.822	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:27
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	



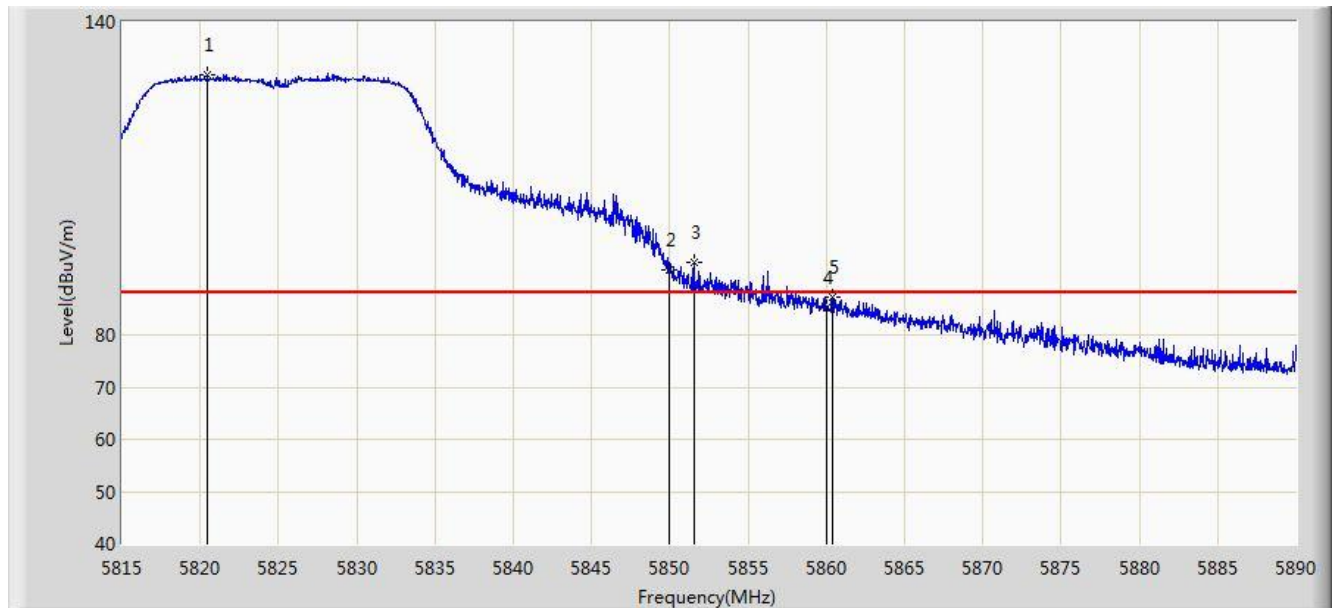
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.620	59.848	-0.580	68.200	7.772	AV
2			5725.000	72.697	64.906	-5.503	78.200	7.791	AV
3		*	5739.550	112.405	104.583	N/A	N/A	7.822	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:28
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

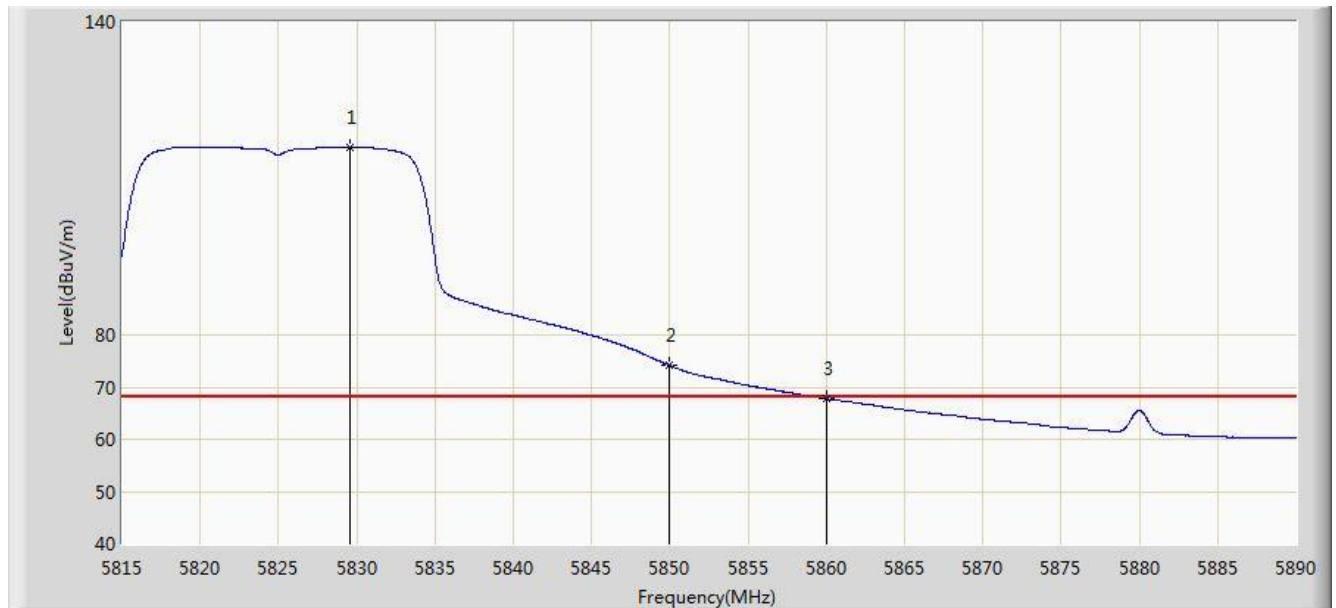


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.475	129.949	121.906	N/A	N/A	8.043	PK
2			5850.000	92.471	84.337	-5.729	98.200	8.134	PK
3			5851.525	93.905	85.763	-4.295	98.200	8.142	PK
4			5860.000	85.284	77.095	-2.916	88.200	8.189	PK
5			5860.375	87.293	79.102	-0.907	88.200	8.191	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:30
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

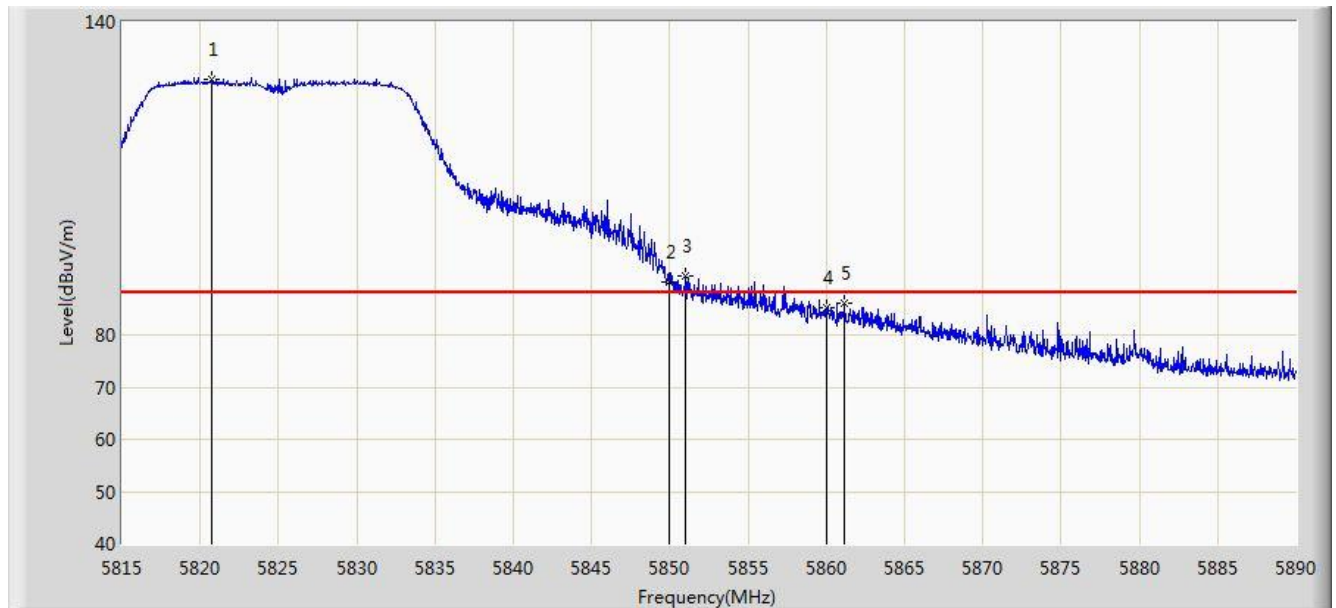


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.550	115.971	107.911	N/A	N/A	8.060	AV
2			5850.000	74.184	66.050	-4.016	78.200	8.134	AV
3			5860.000	67.754	59.565	-0.446	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:31
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

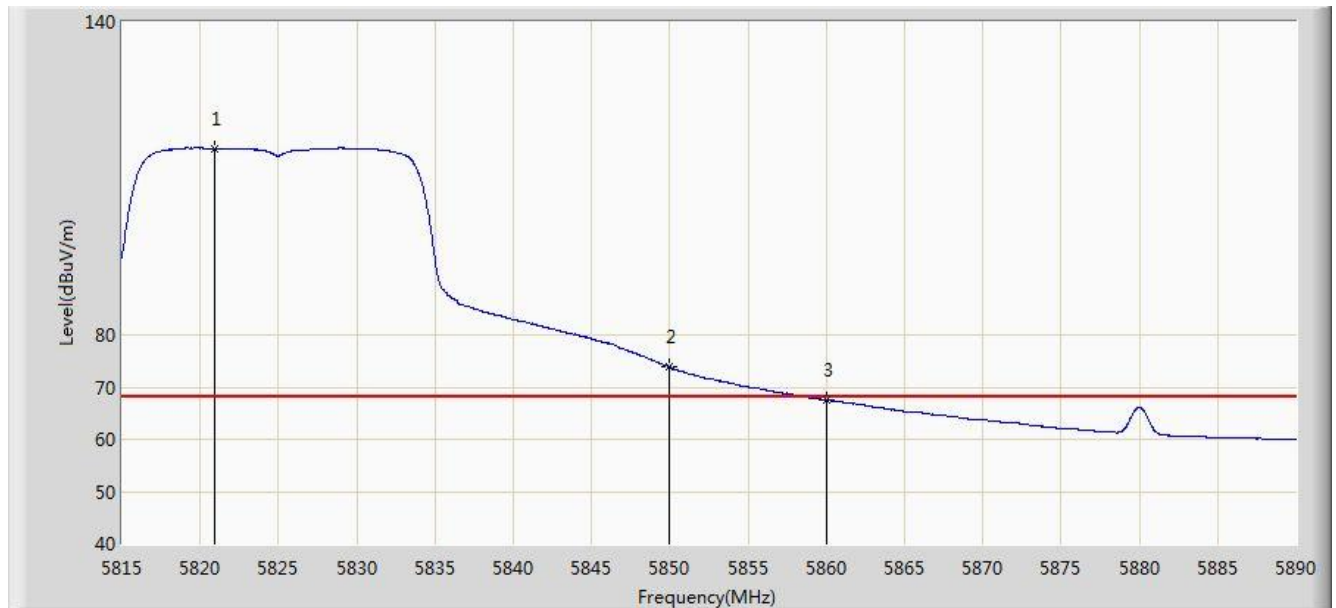


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.700	128.978	120.934	N/A	N/A	8.044	PK
2			5850.000	90.233	82.099	-7.967	98.200	8.134	PK
3			5851.038	91.373	83.233	-6.827	98.200	8.139	PK
4			5860.000	85.176	76.987	-3.024	88.200	8.189	PK
5			5861.163	86.134	77.939	-2.066	88.200	8.195	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:32
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

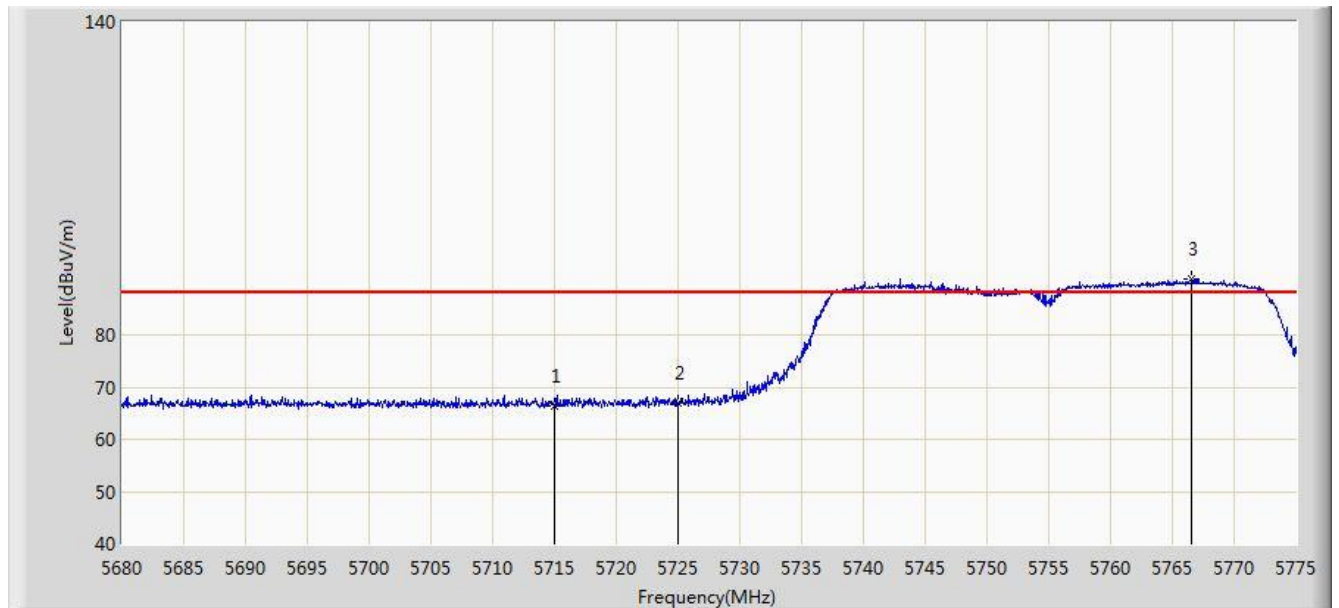


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.925	115.737	107.693	N/A	N/A	8.044	AV
2			5850.000	73.955	65.821	-4.245	78.200	8.134	AV
3			5860.000	67.482	59.293	-0.718	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:35
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

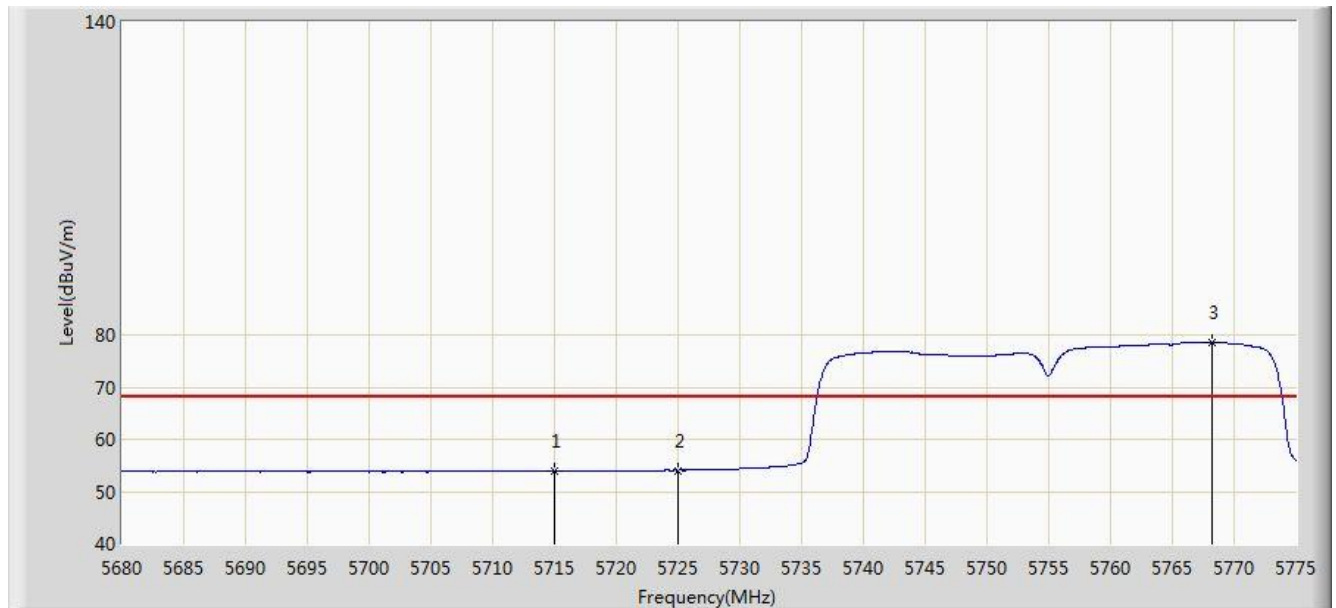


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.435	58.663	-21.765	88.200	7.772	PK
2			5725.000	66.853	59.062	-31.347	98.200	7.791	PK
3		*	5766.592	90.678	82.794	N/A	N/A	7.884	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:37
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

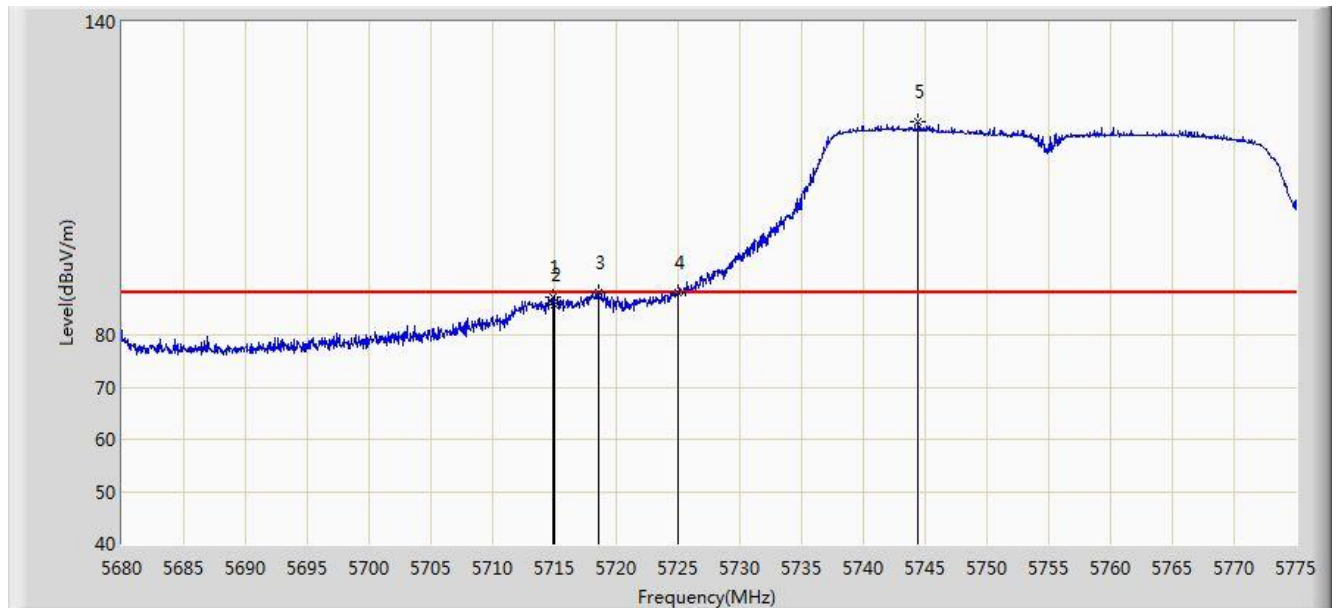


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.913	46.141	-14.287	68.200	7.772	AV
2			5725.000	54.042	46.251	-24.158	78.200	7.791	AV
3		*	5768.160	78.565	70.676	N/A	N/A	7.889	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:37
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

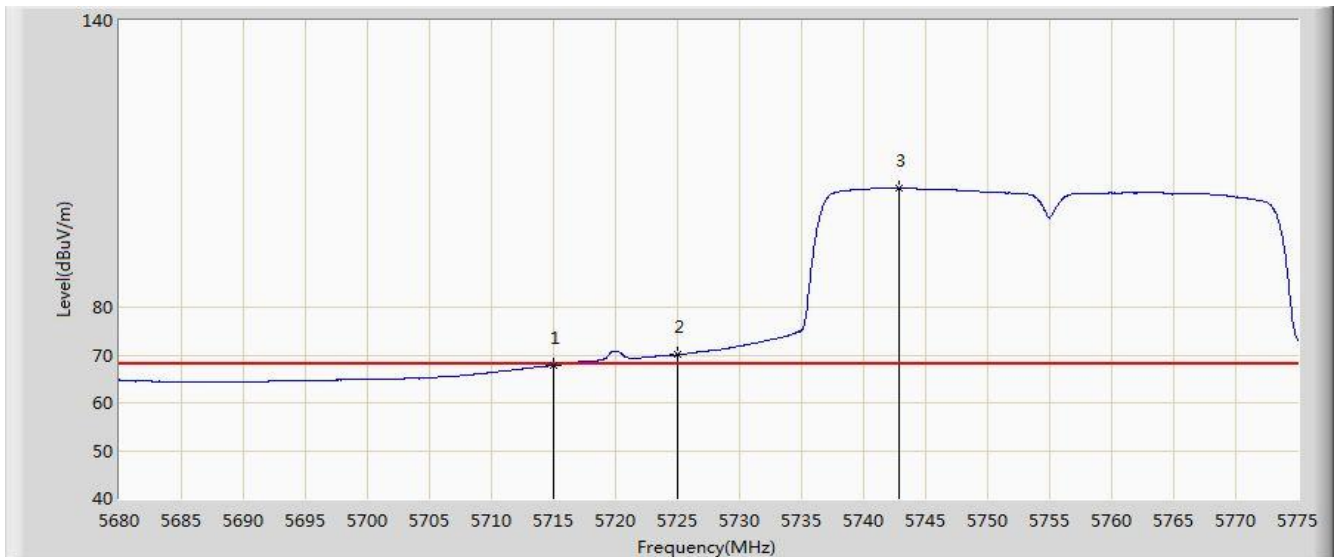


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.913	87.140	79.369	-1.060	88.200	7.771	PK
2			5715.000	85.752	77.980	-2.448	88.200	7.772	PK
3			5718.618	88.042	80.264	-10.158	98.200	7.778	PK
4			5725.000	87.980	80.189	-10.220	98.200	7.791	PK
5		*	5744.410	120.848	113.017	N/A	N/A	7.831	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:41
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	



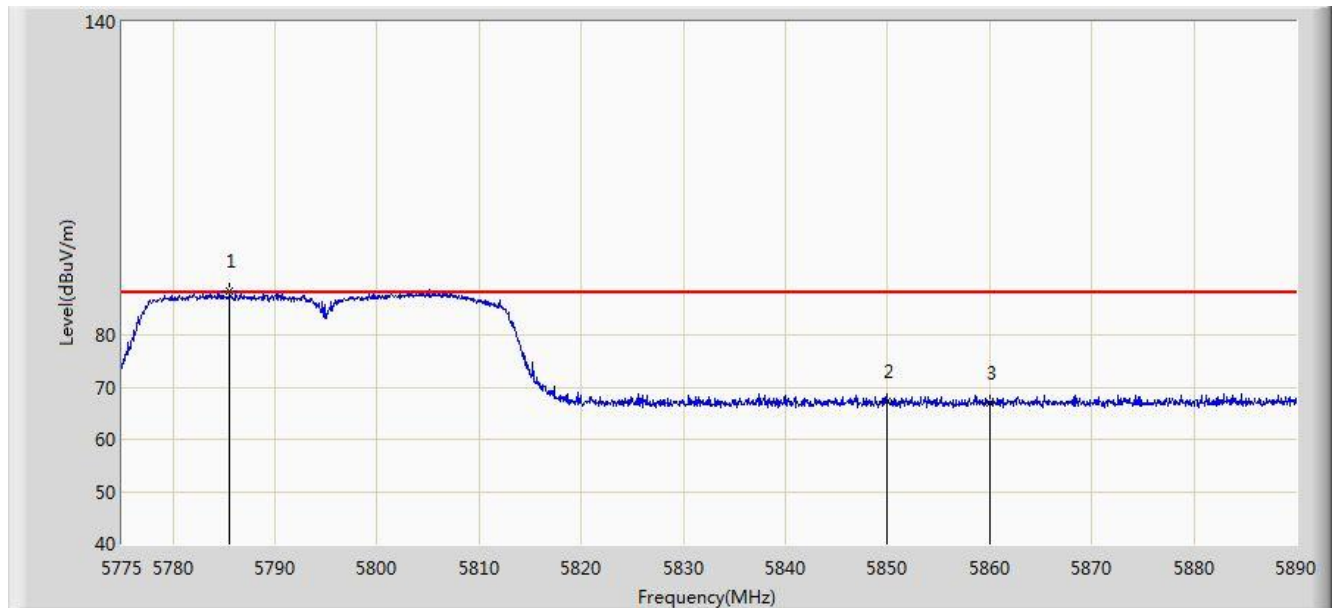
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.787	60.015	-0.413	68.200	7.772	AV
2			5725.000	70.036	62.245	-8.164	78.200	7.791	AV
3		*	5742.890	104.931	97.103	N/A	N/A	7.828	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:52
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

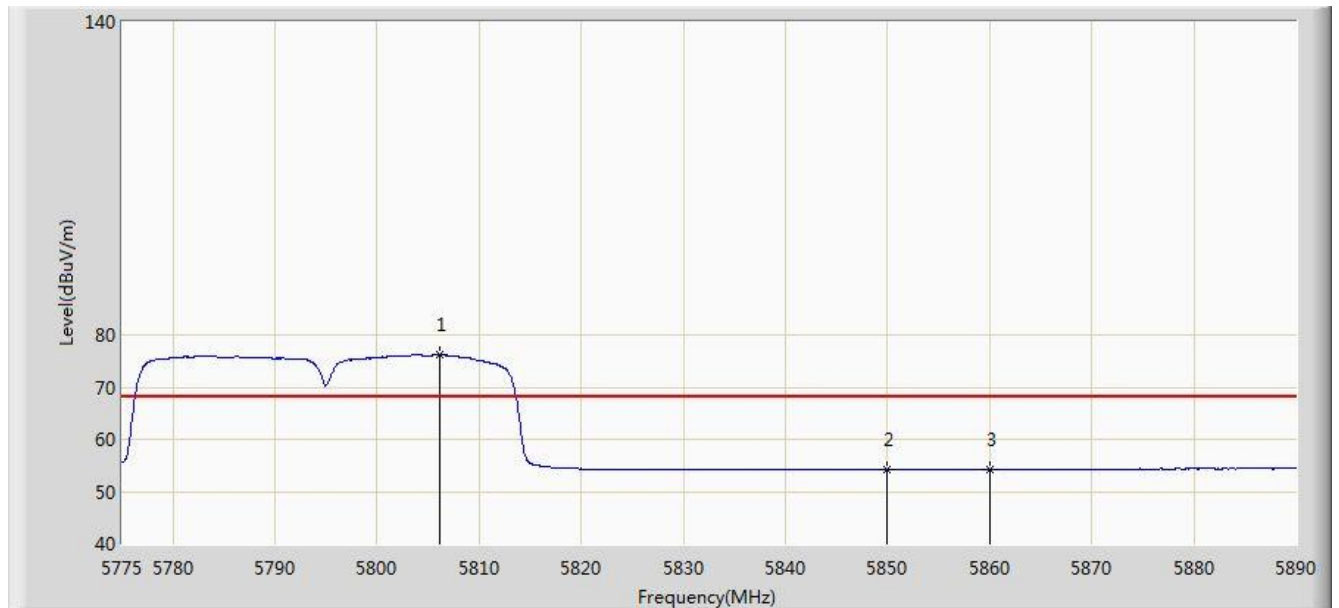


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.522	88.528	80.579	N/A	N/A	7.949	PK
2			5850.000	67.191	59.057	-31.009	98.200	8.134	PK
3			5860.000	66.976	58.787	-21.224	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:54
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

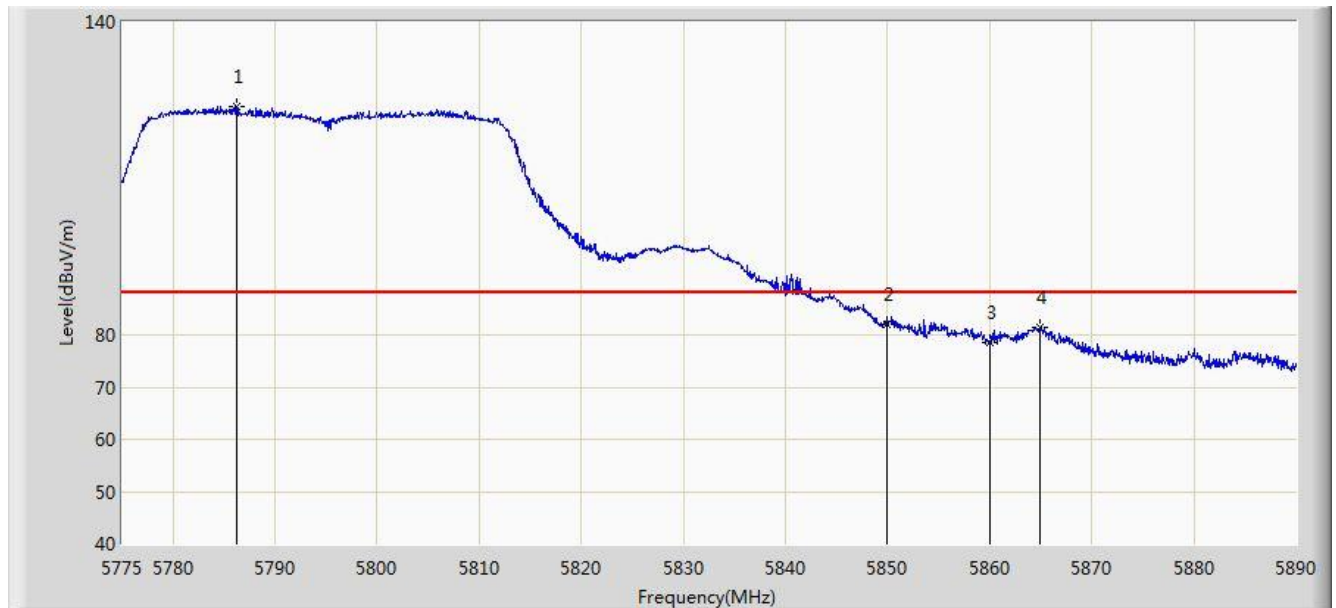


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5806.107	76.183	68.169	N/A	N/A	8.015	AV
2			5850.000	54.211	46.077	-23.989	78.200	8.134	AV
3			5860.000	54.283	46.094	-13.917	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

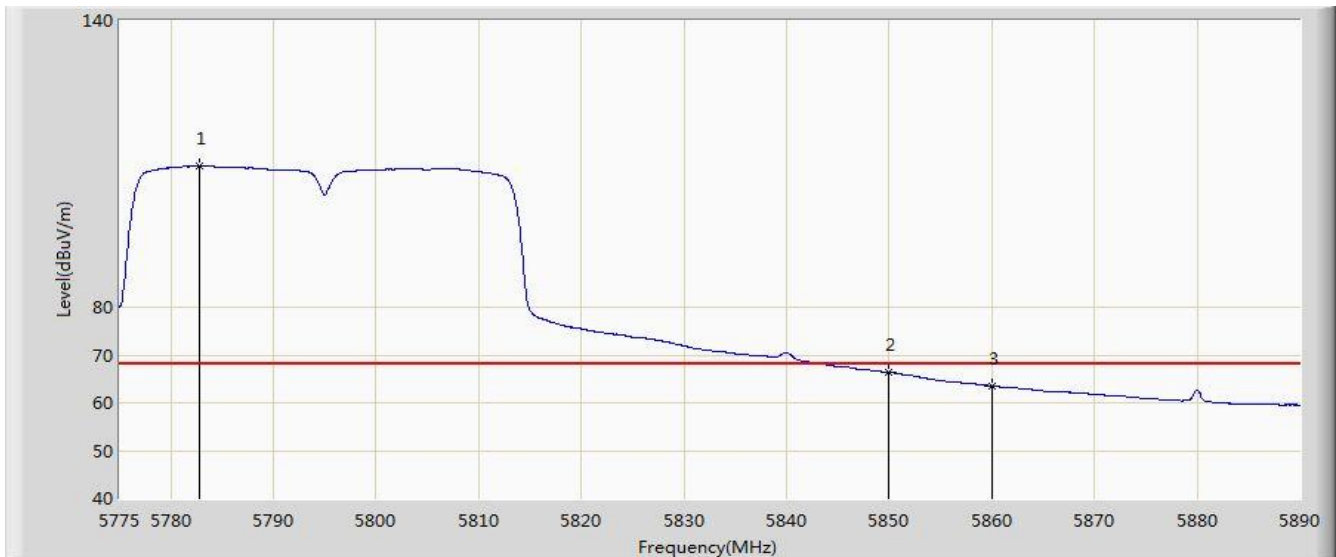


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.270	123.769	115.817	N/A	N/A	7.953	PK
2			5850.000	82.062	73.928	-16.138	98.200	8.134	PK
3			5860.000	78.587	70.398	-9.613	88.200	8.189	PK
4			5864.873	81.496	73.292	-6.704	88.200	8.210	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:55
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

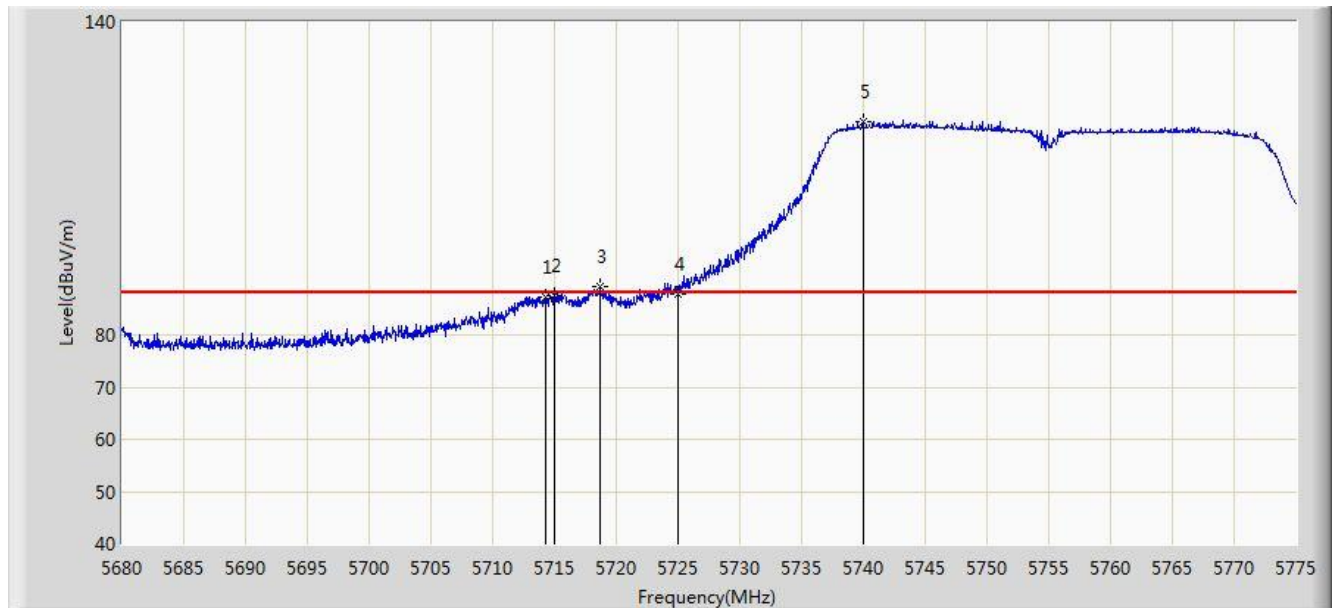


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.820	109.519	101.579	N/A	N/A	7.940	AV
2			5850.000	66.403	58.269	-11.797	78.200	8.134	AV
3			5860.000	63.530	55.341	-4.670	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 19:56
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

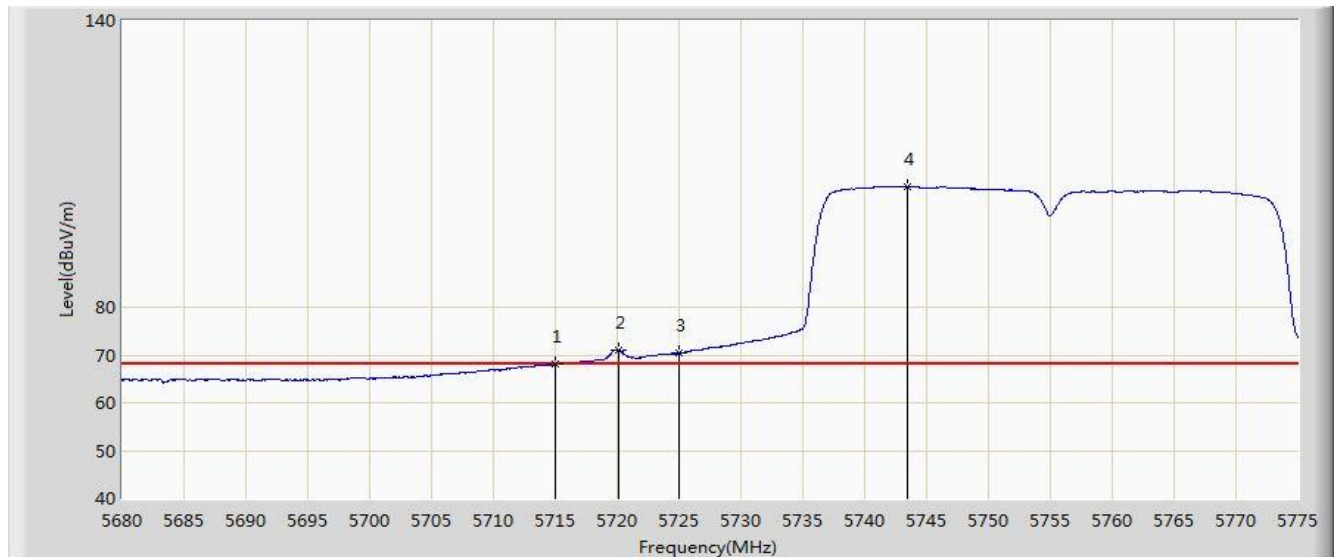


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.342	87.327	79.557	-0.873	88.200	7.770	PK
2			5715.000	87.518	79.746	-0.682	88.200	7.772	PK
3			5718.712	89.205	81.426	-8.995	98.200	7.779	PK
4			5725.000	87.958	80.167	-10.242	98.200	7.791	PK
5		*	5739.945	120.969	113.146	N/A	N/A	7.823	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:00
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

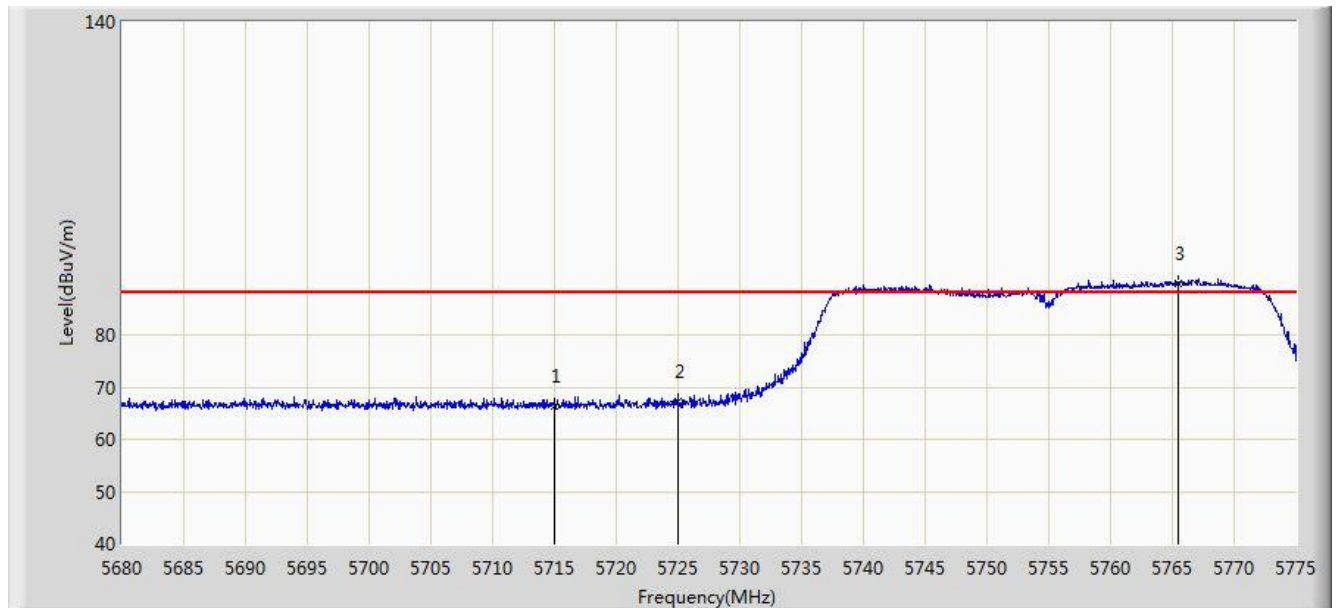


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	68.048	60.276	-0.152	68.200	7.772	AV
2			5720.138	71.079	63.298	-7.121	78.200	7.781	AV
3			5725.000	70.429	62.638	-7.771	78.200	7.791	AV
4		*	5743.460	105.204	97.375	N/A	N/A	7.829	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:02
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

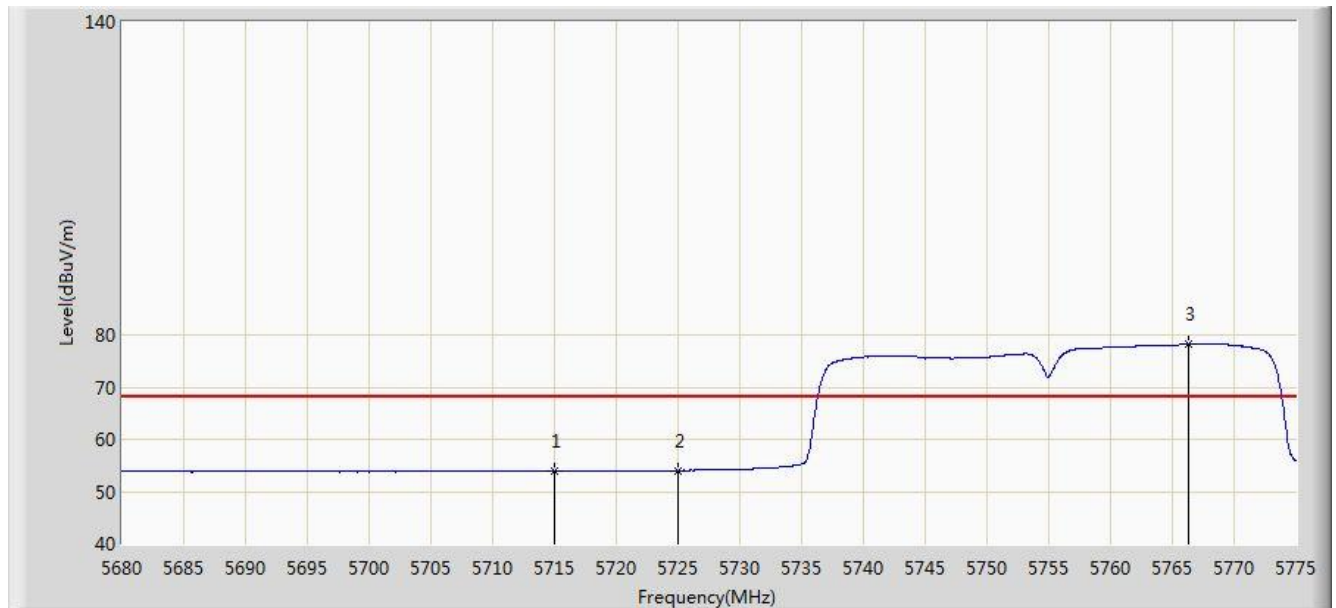


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.291	58.519	-21.909	88.200	7.772	PK
2			5725.000	67.272	59.481	-30.928	98.200	7.791	PK
3		*	5765.500	89.877	81.997	N/A	N/A	7.880	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:03
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	



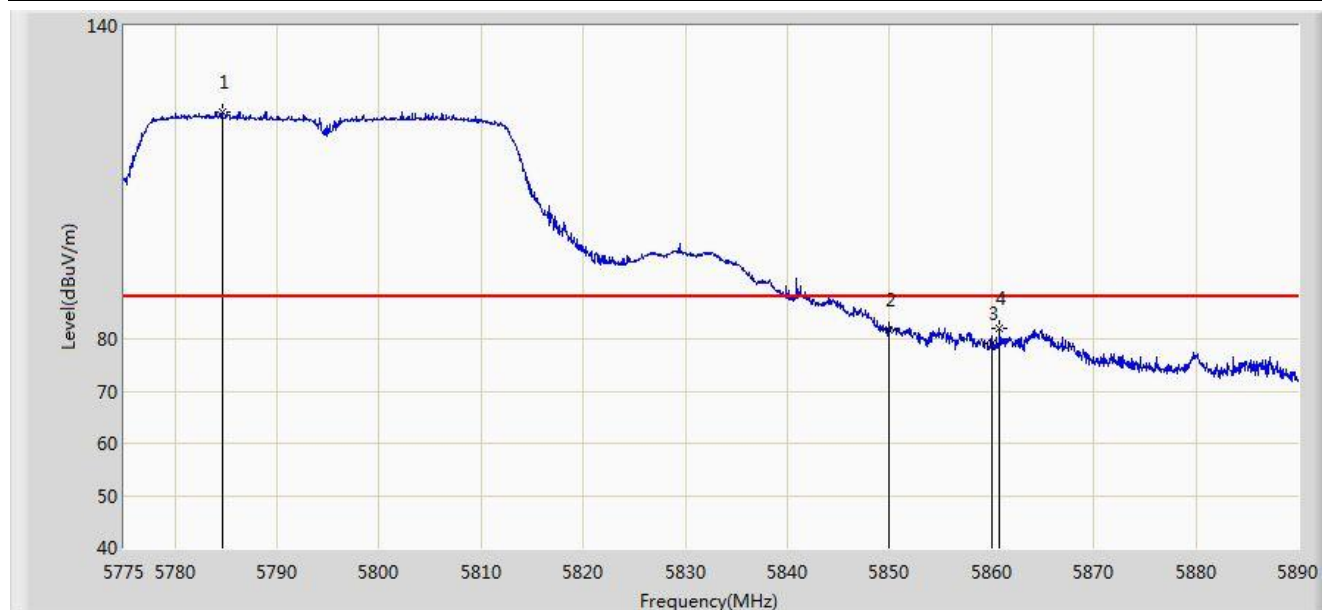
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.938	46.166	-14.262	68.200	7.772	AV
2			5725.000	54.031	46.240	-24.169	78.200	7.791	AV
3		*	5766.355	78.366	70.483	N/A	N/A	7.884	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:05
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

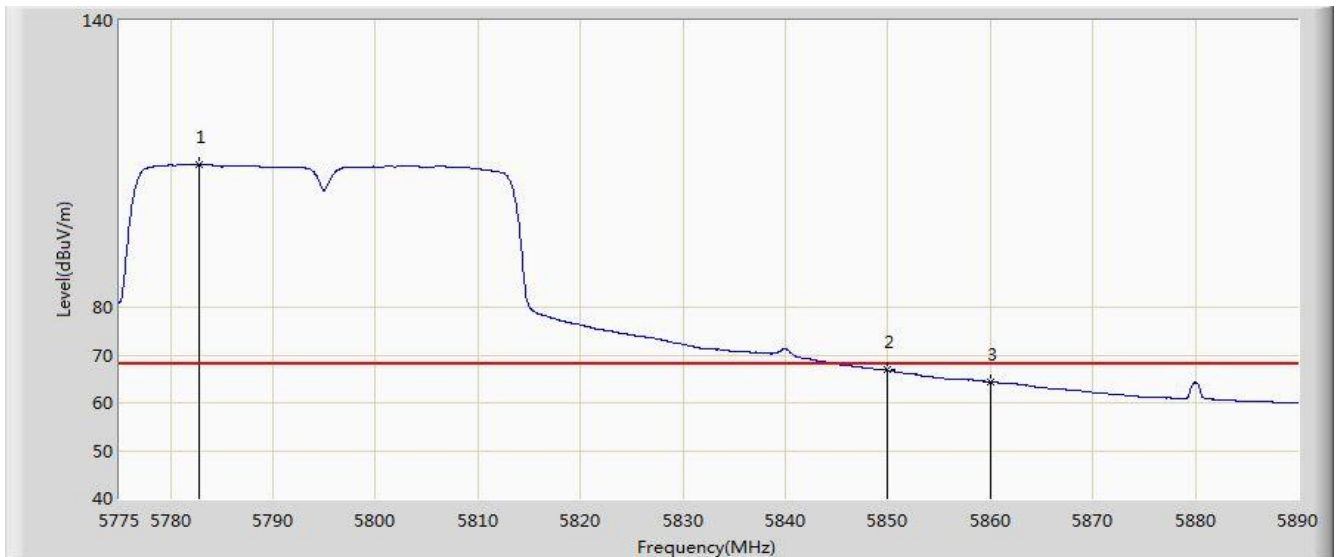


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.603	123.530	115.584	N/A	N/A	7.946	PK
2			5850.000	81.657	73.523	-16.543	98.200	8.134	PK
3			5860.000	79.159	70.970	-9.041	88.200	8.189	PK
4			5860.790	82.004	73.811	-6.196	88.200	8.194	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:08
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

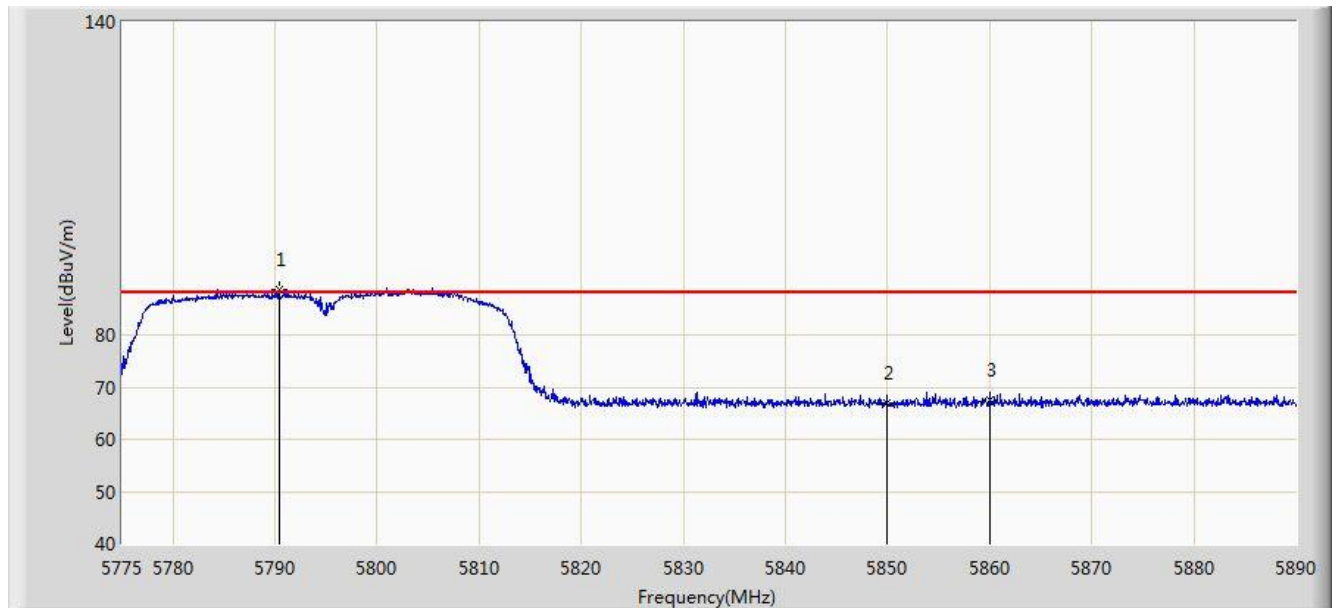


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.820	109.844	101.904	N/A	N/A	7.940	AV
2			5850.000	66.817	58.683	-11.383	78.200	8.134	AV
3			5860.000	64.322	56.133	-3.878	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:09
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

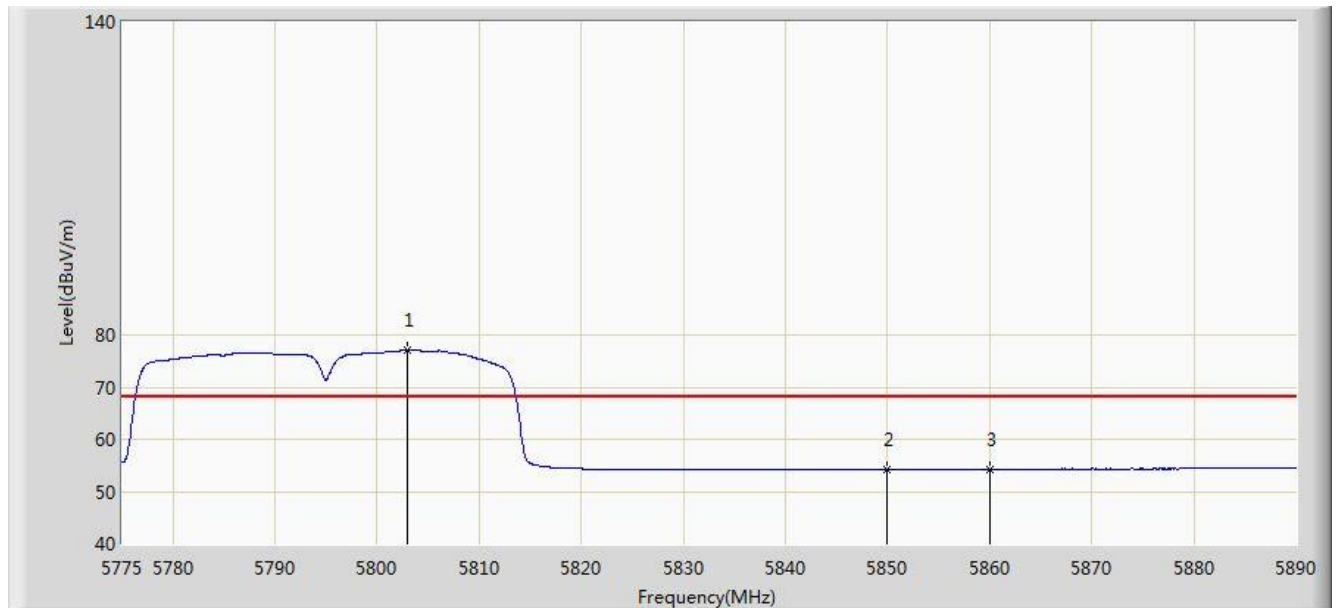


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.410	88.618	80.651	N/A	N/A	7.967	PK
2			5850.000	66.914	58.780	-31.286	98.200	8.134	PK
3			5860.000	67.671	59.482	-20.529	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:10
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

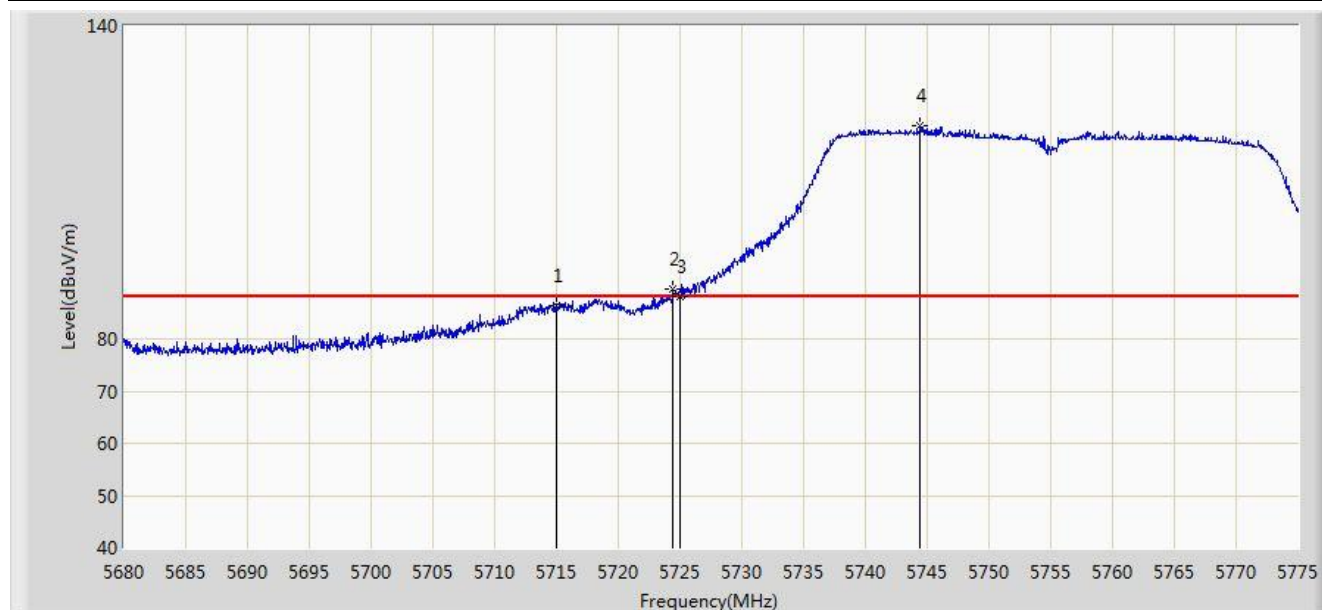


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5803.002	76.965	68.959	N/A	N/A	8.006	AV
2			5850.000	54.288	46.154	-23.912	78.200	8.134	AV
3			5860.000	54.291	46.102	-13.909	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:12
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

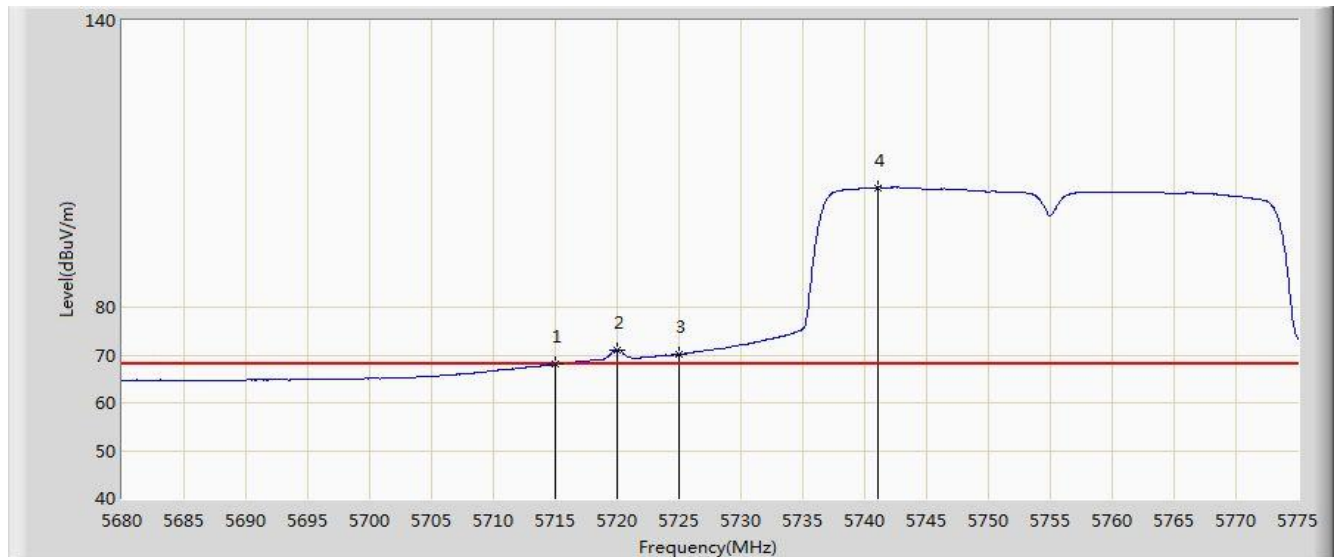


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	86.253	78.481	-1.947	88.200	7.772	PK
2			5724.413	89.583	81.793	-8.617	98.200	7.790	PK
3			5725.000	88.098	80.307	-10.102	98.200	7.791	PK
4		*	5744.458	120.793	112.962	N/A	N/A	7.831	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:14
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

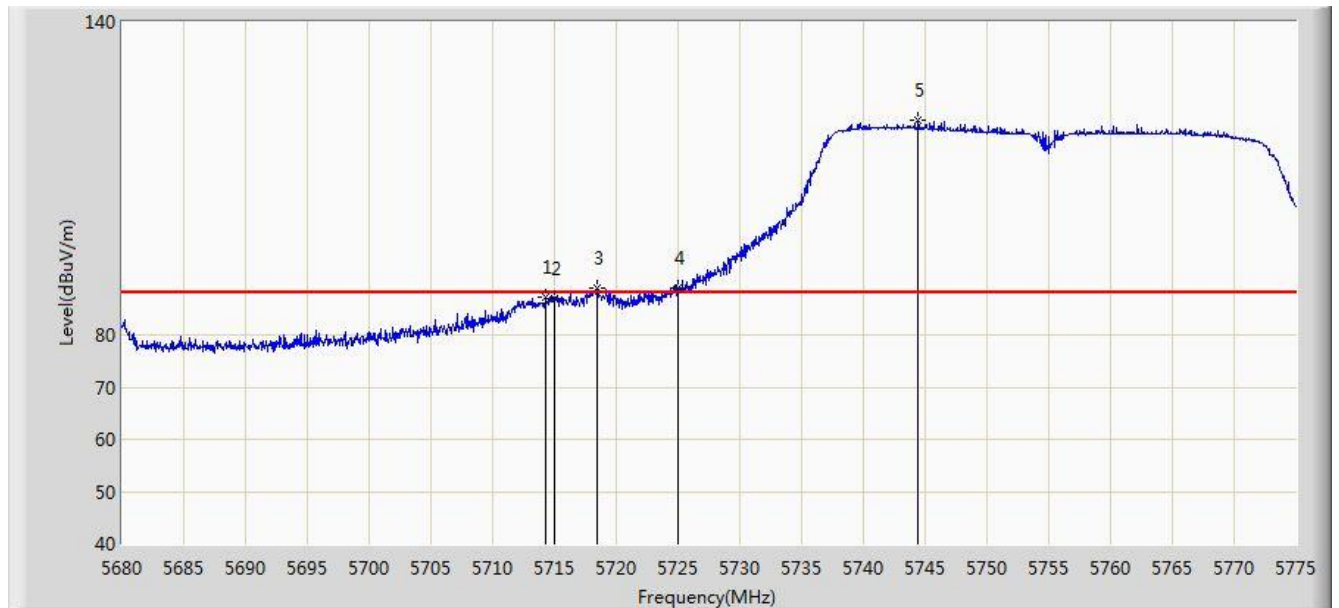


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.975	60.203	-0.225	68.200	7.772	AV
2			5719.995	71.079	63.298	-7.121	78.200	7.781	AV
3			5725.000	70.100	62.309	-8.100	78.200	7.791	AV
4		*	5741.038	105.069	97.244	N/A	N/A	7.825	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:16
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

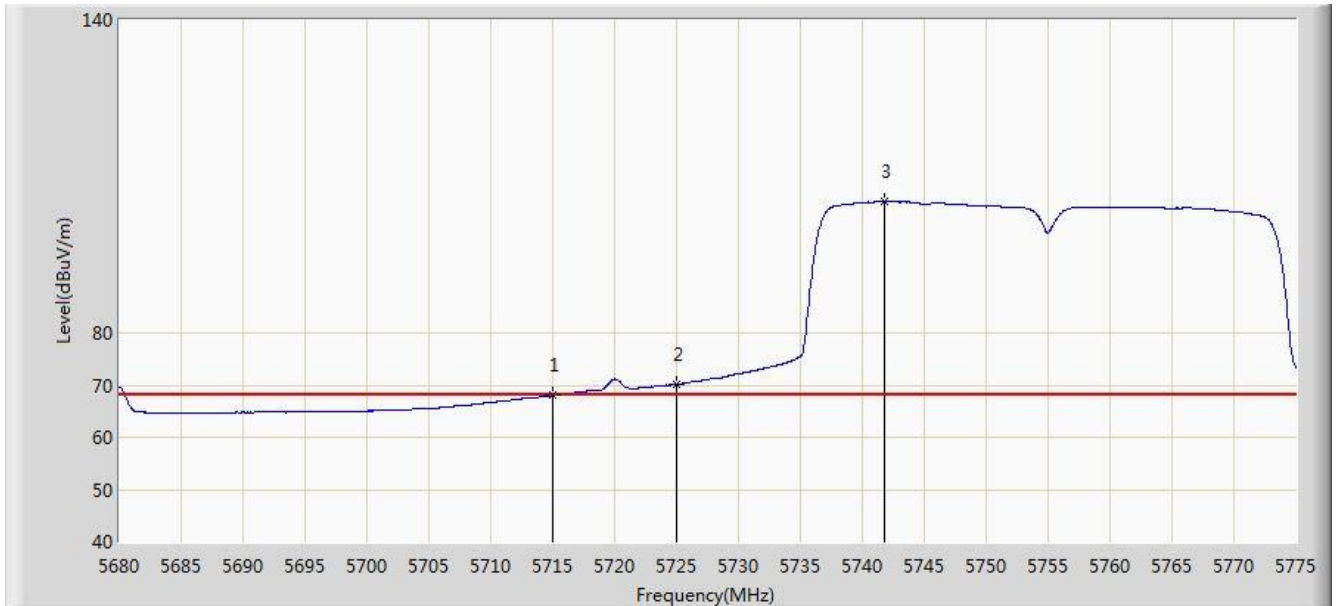


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5714.295	87.264	79.494	-0.936	88.200	7.770	PK
2			5715.000	86.872	79.100	-1.328	88.200	7.772	PK
3			5718.475	89.118	81.340	-9.082	98.200	7.778	PK
4			5725.000	89.046	81.255	-9.154	98.200	7.791	PK
5		*	5744.458	121.068	113.237	N/A	N/A	7.831	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:17
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	



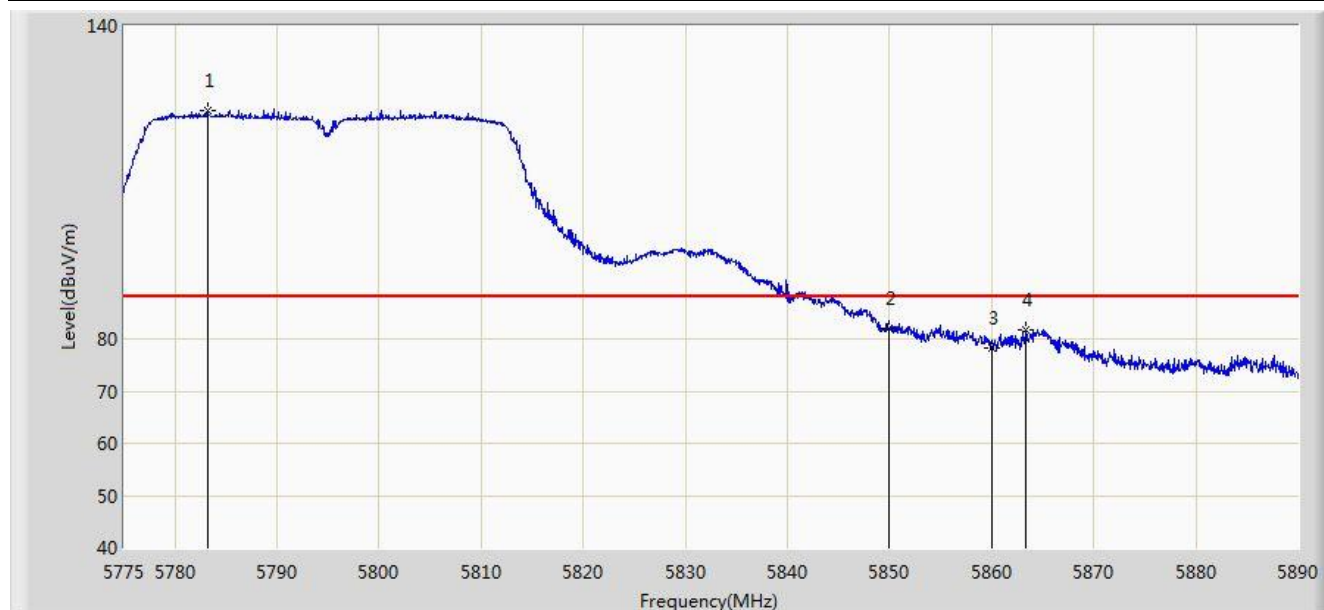
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.981	60.209	-0.219	68.200	7.772	AV
2			5725.000	70.109	62.318	-8.091	78.200	7.791	AV
3		*	5741.845	105.080	97.254	N/A	N/A	7.826	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:18
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

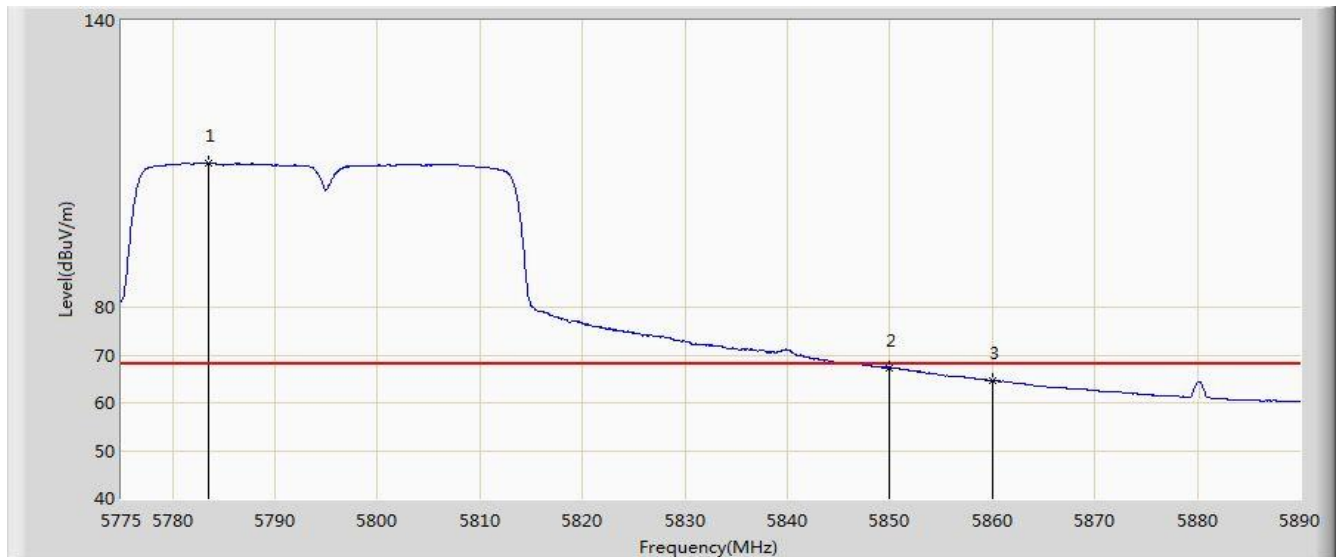


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.165	123.818	115.877	N/A	N/A	7.941	PK
2			5850.000	82.002	73.868	-16.198	98.200	8.134	PK
3			5860.000	78.307	70.118	-9.893	88.200	8.189	PK
4			5863.377	81.852	73.647	-6.348	88.200	8.204	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:20
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

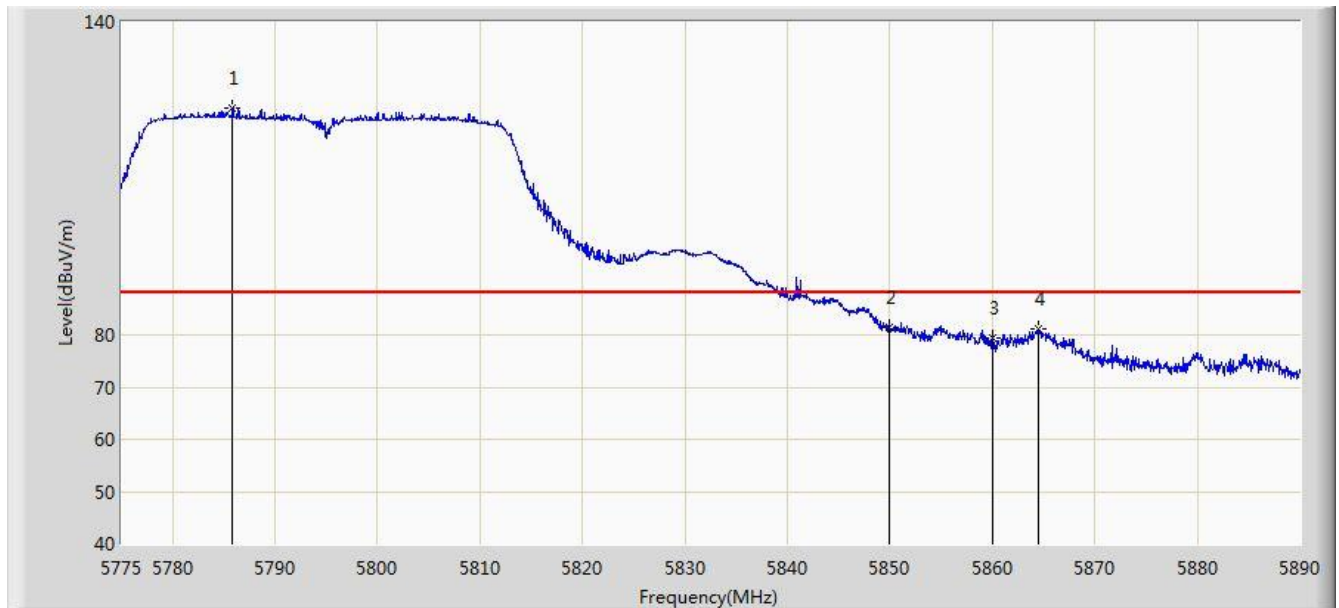


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.510	110.041	102.099	N/A	N/A	7.943	AV
2			5850.000	67.368	59.234	-10.832	78.200	8.134	AV
3			5860.000	64.596	56.407	-3.604	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:20
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

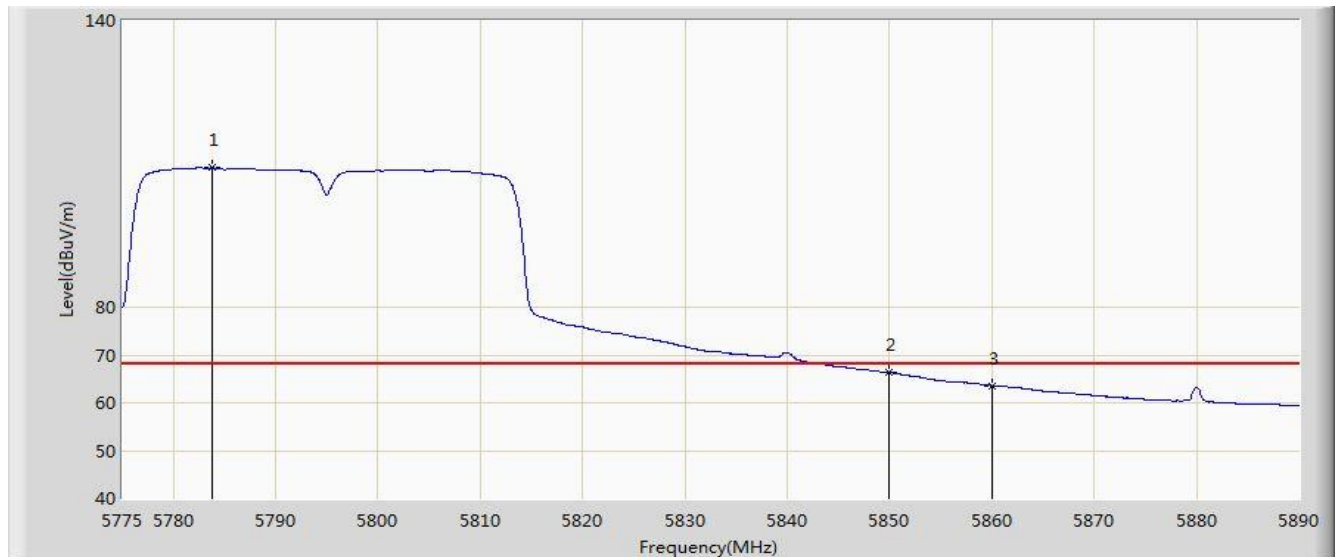


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.868	123.415	115.464	N/A	N/A	7.950	PK
2			5850.000	81.556	73.422	-16.644	98.200	8.134	PK
3			5860.000	79.401	71.212	-18.799	98.200	8.189	PK
4			5864.470	81.180	72.972	-7.020	88.200	8.208	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:21
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	



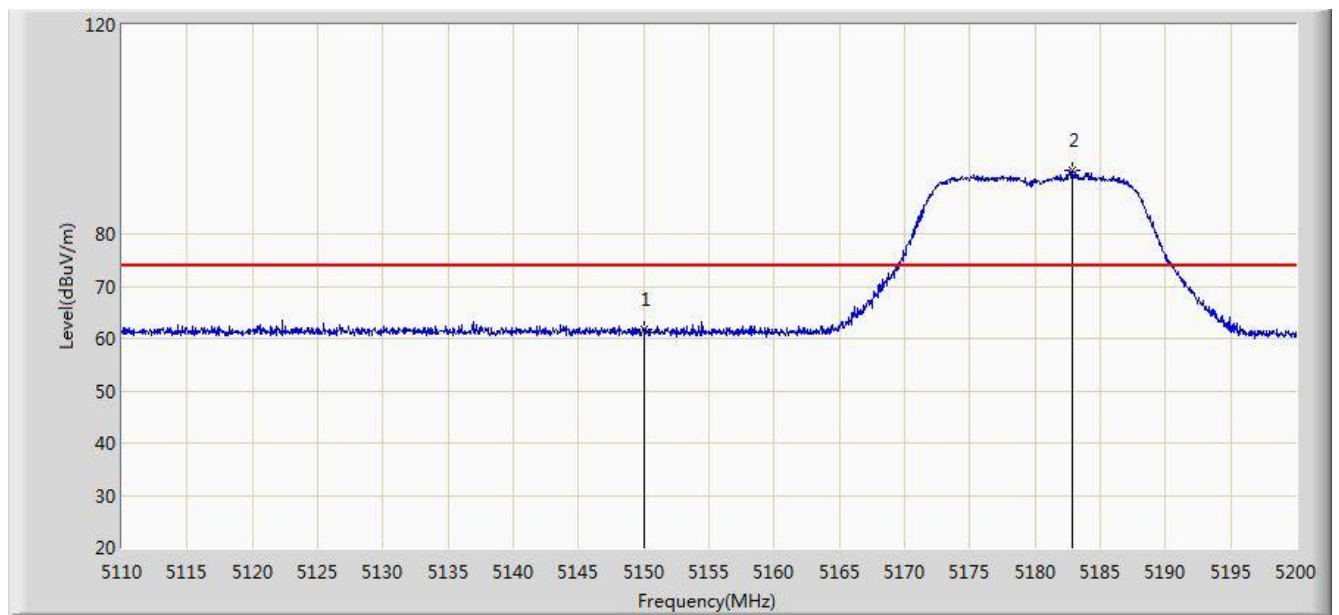
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5783.855	109.146	101.203	N/A	N/A	7.944	AV
2			5850.000	66.353	58.219	-11.847	78.200	8.134	AV
3			5860.000	63.518	55.329	-4.682	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

## Test by Dipole Antenna – 2dBi for 5150-5250MHz and 5725-5850MHz Band

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

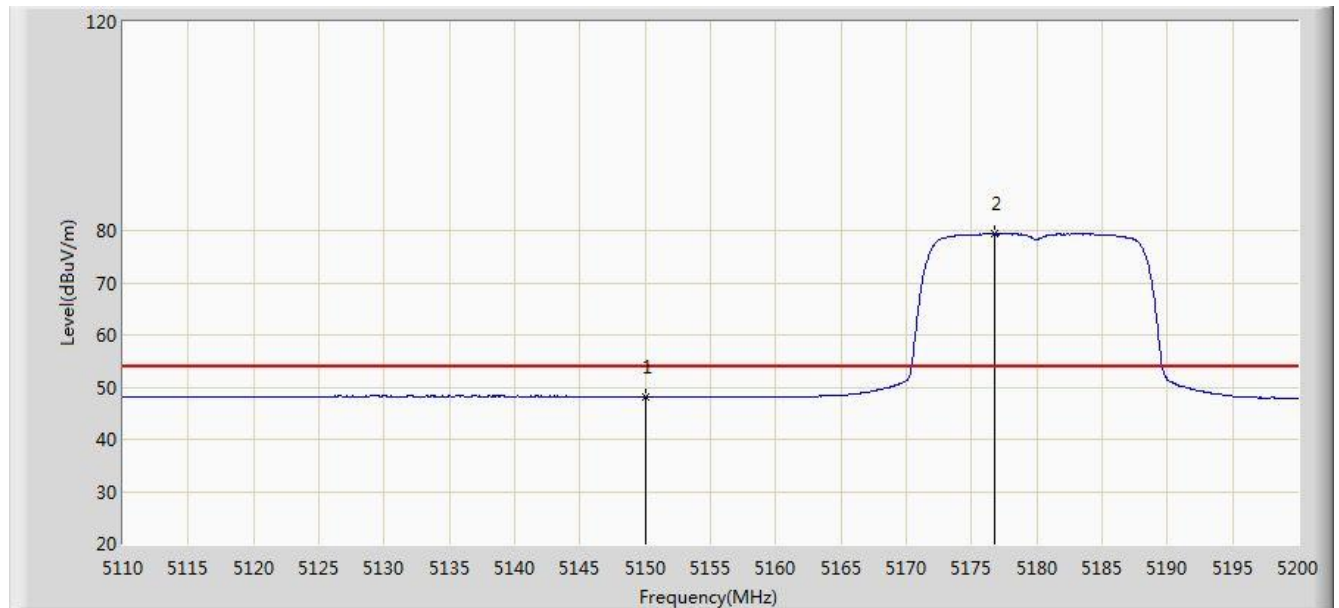


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.645	54.469	-12.355	74.000	7.176	PK
2		*	5182.855	92.072	85.036	N/A	N/A	7.036	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

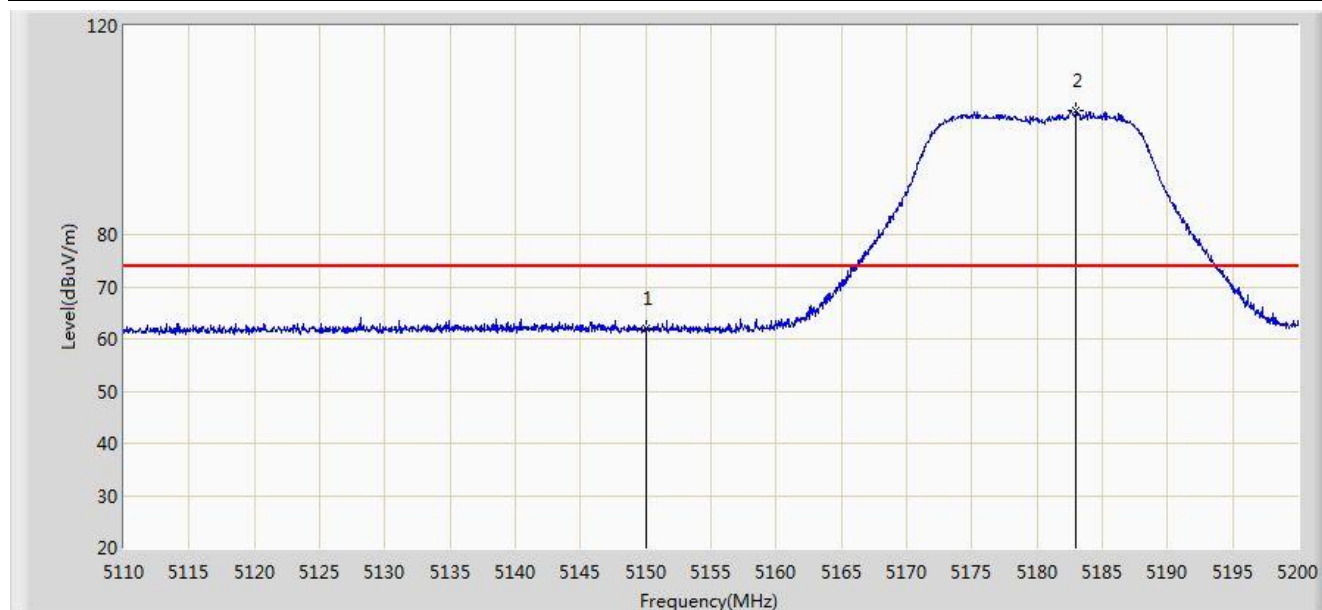


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.197	41.021	-5.803	54.000	7.176	AV
2		*	5176.735	79.293	72.217	N/A	N/A	7.075	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	

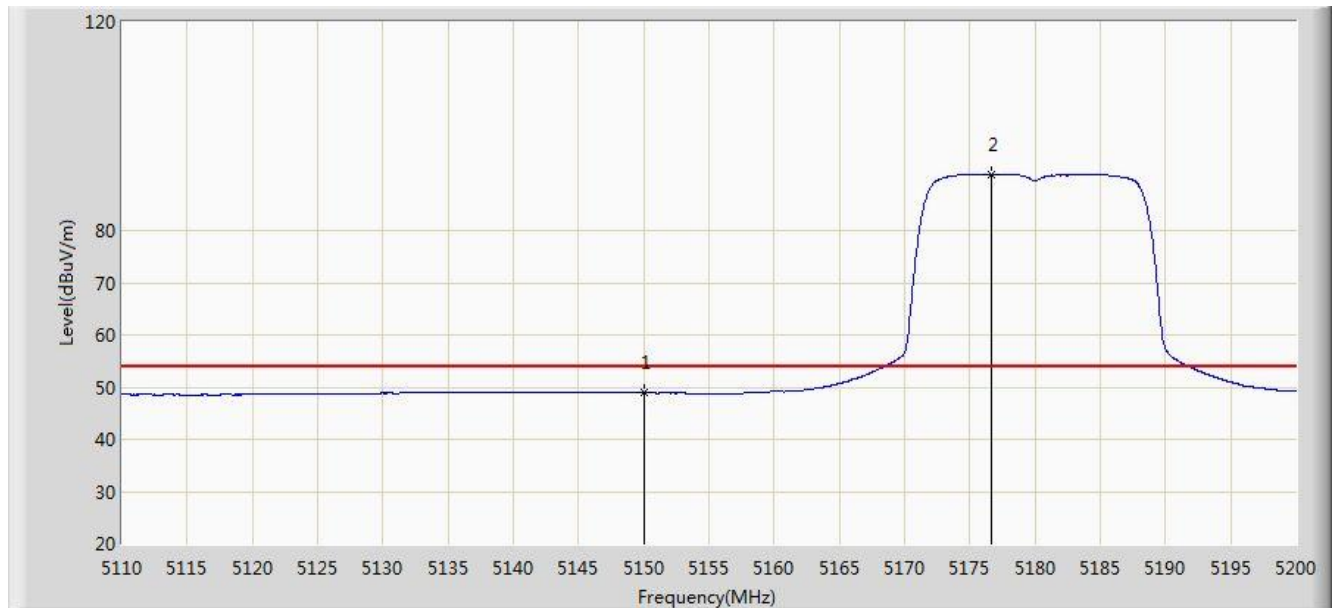


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.958	54.782	-12.042	74.000	7.176	PK
2		*	5182.990	103.807	96.772	N/A	N/A	7.036	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 0	



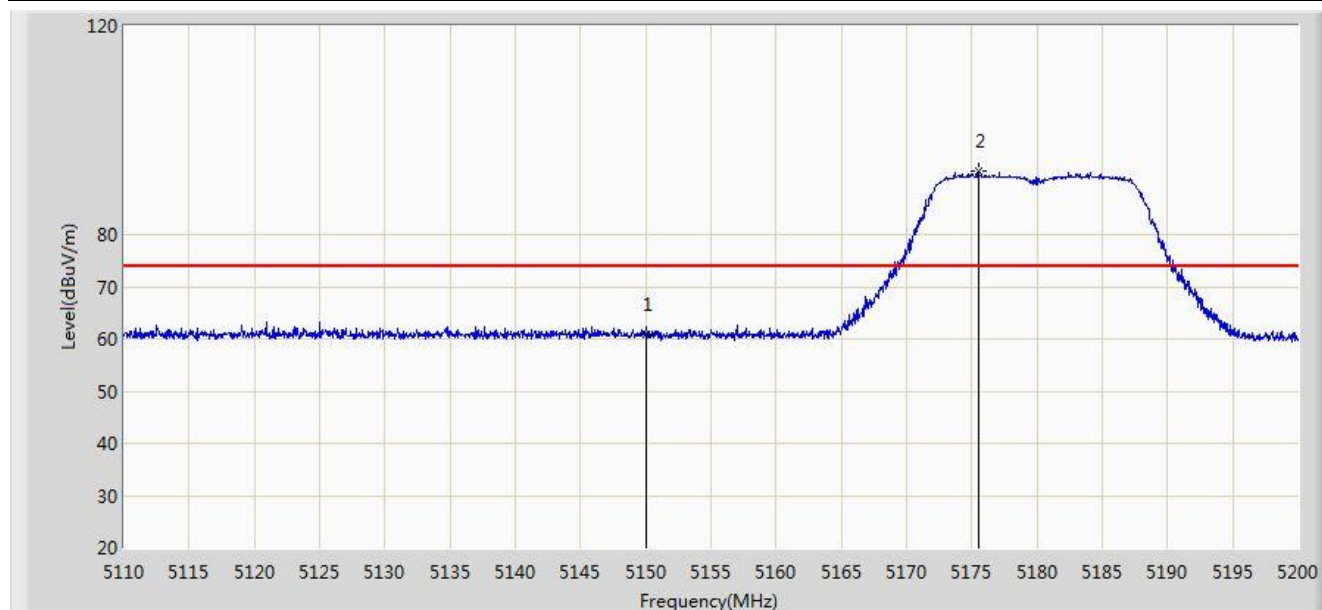
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.918	41.742	-5.082	54.000	7.176	AV
2		*	5176.600	90.756	83.679	N/A	N/A	7.076	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

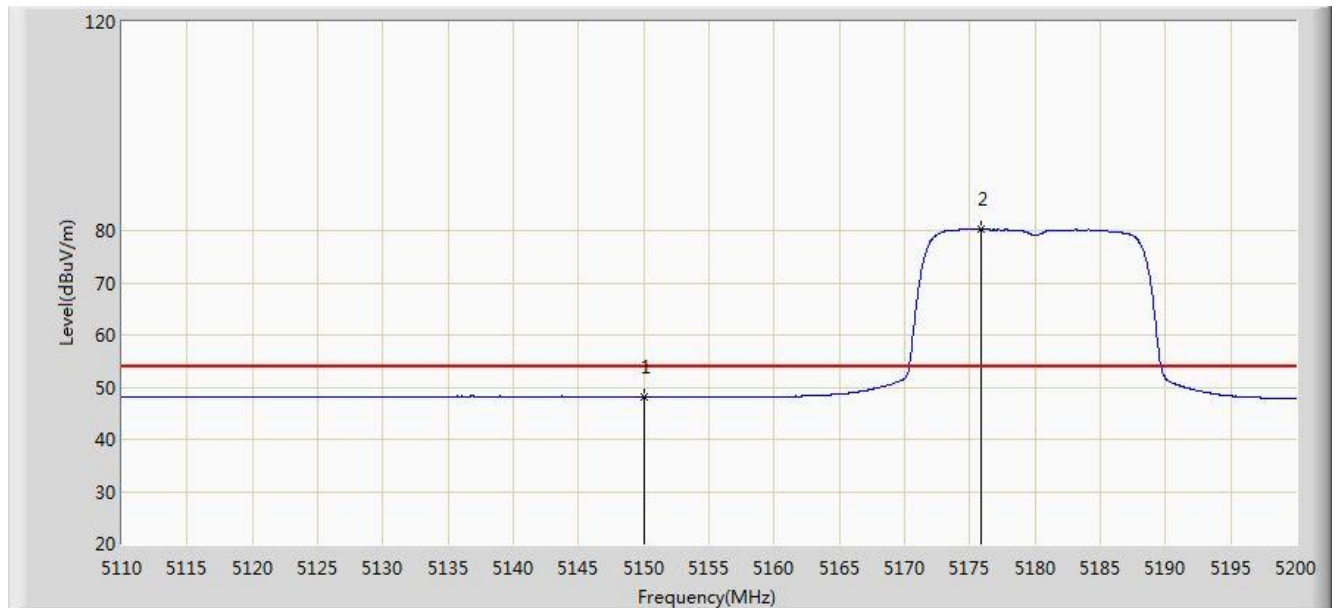


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	60.911	53.735	-13.089	74.000	7.176	PK
2		*	5175.475	92.251	85.167	N/A	N/A	7.084	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

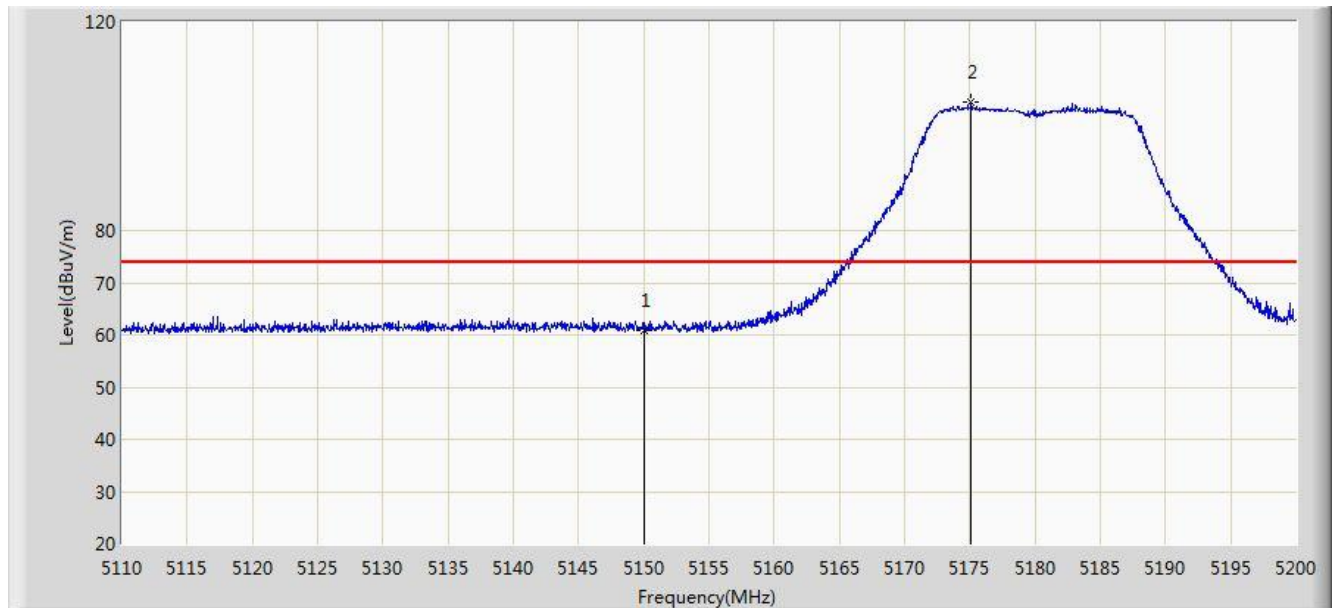


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.170	40.994	-5.830	54.000	7.176	AV
2		*	5175.880	80.242	73.161	N/A	N/A	7.081	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

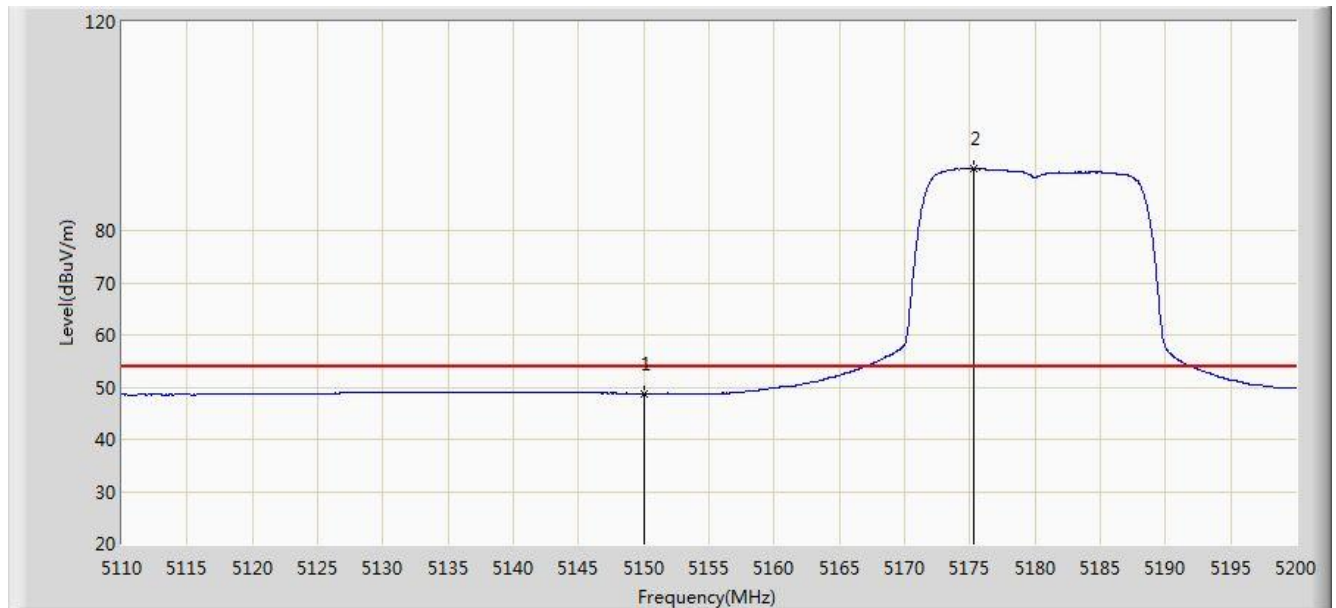


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	60.995	53.819	-13.005	74.000	7.176	PK
2		*	5175.115	104.671	97.585	N/A	N/A	7.086	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5180MHz Ant 1	

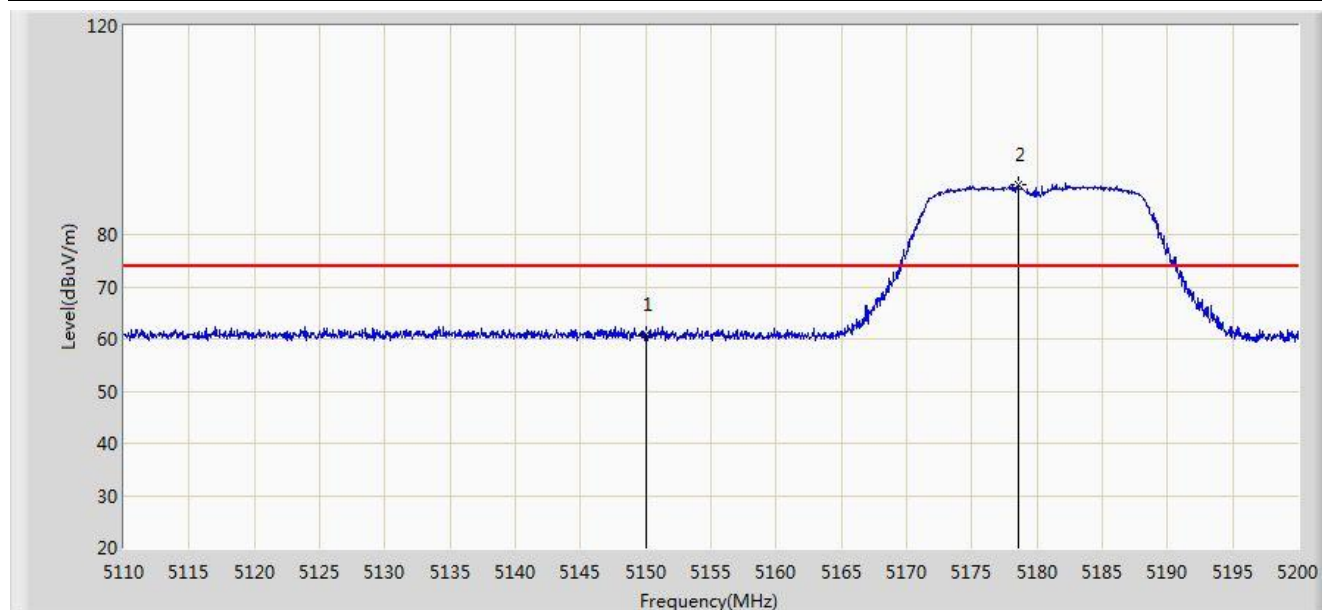


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.813	41.637	-5.187	54.000	7.176	AV
2		*	5175.340	91.799	84.714	N/A	N/A	7.085	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

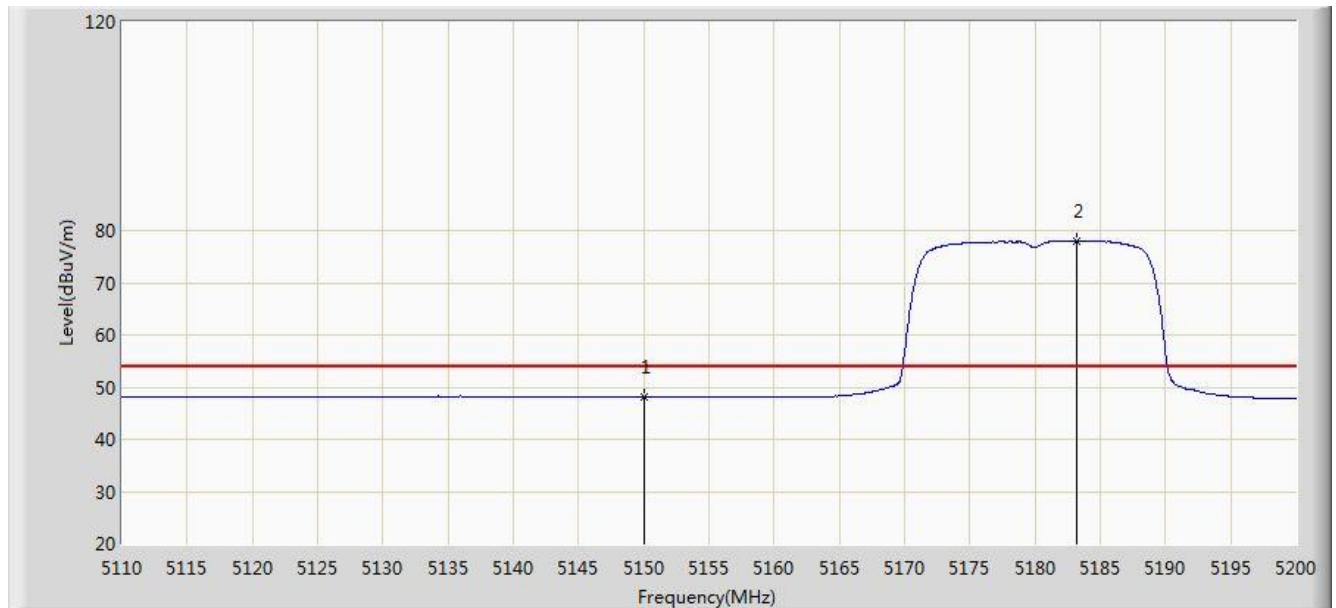


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	60.907	53.731	-13.093	74.000	7.176	PK
2		*	5178.580	89.608	82.544	N/A	N/A	7.064	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

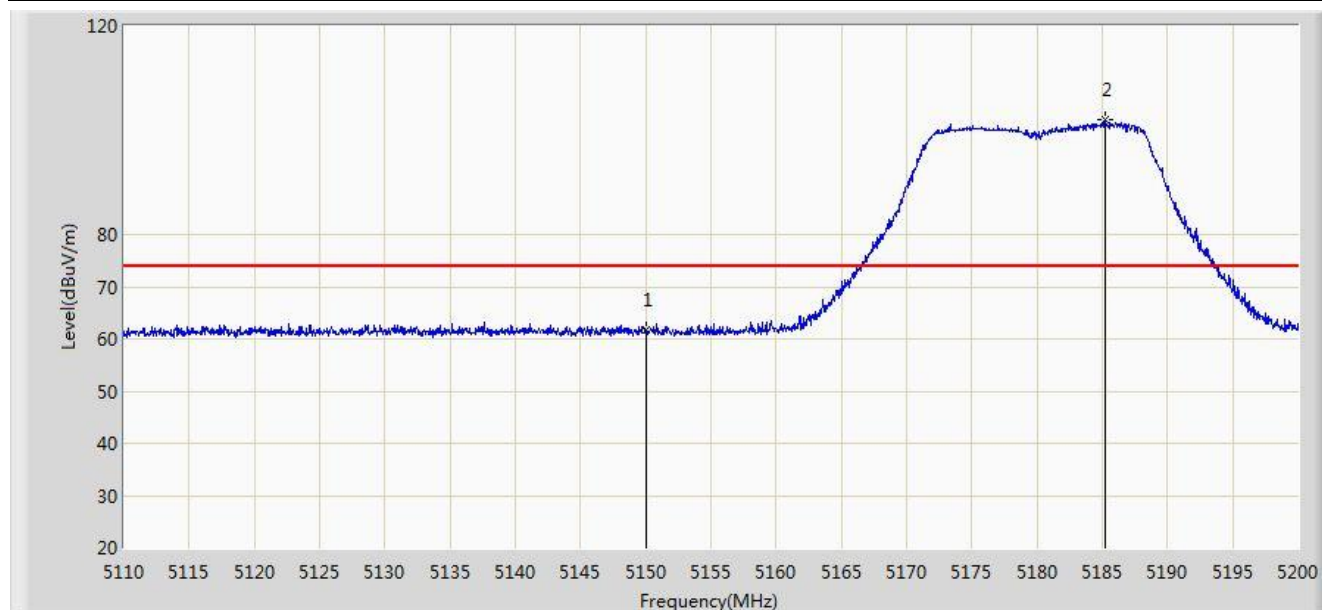


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.148	40.972	-5.852	54.000	7.176	AV
2		*	5183.170	78.049	71.015	N/A	N/A	7.034	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	

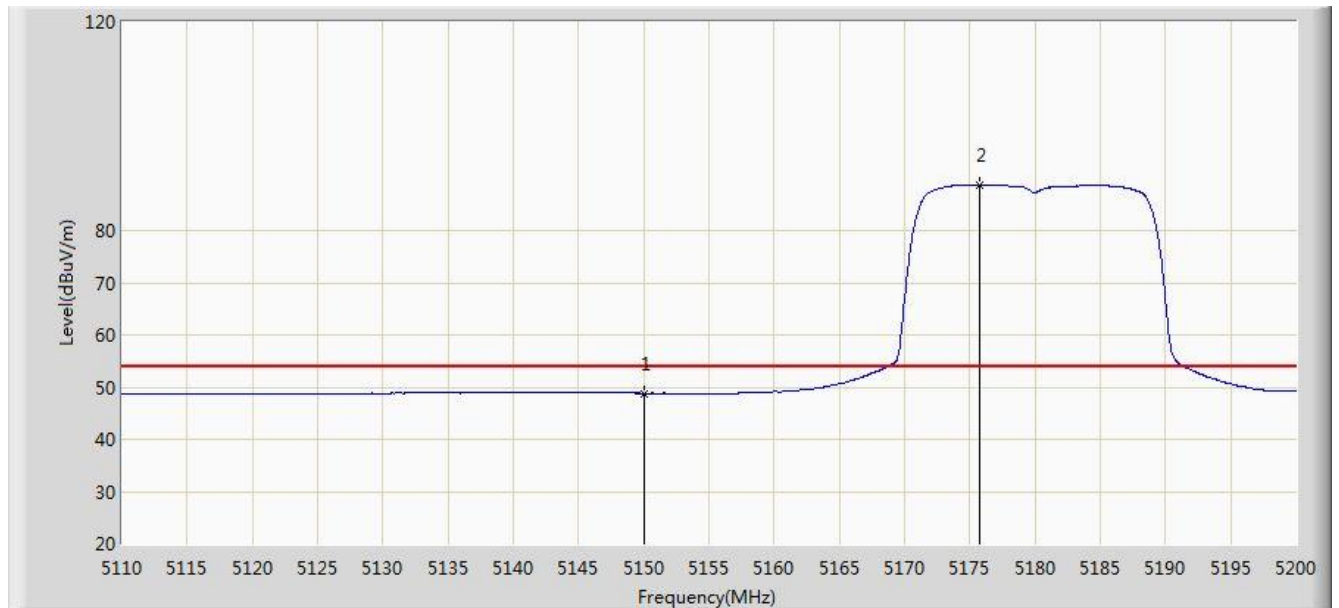


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.792	54.616	-12.208	74.000	7.176	PK
2		*	5185.240	101.907	94.886	N/A	N/A	7.021	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0	



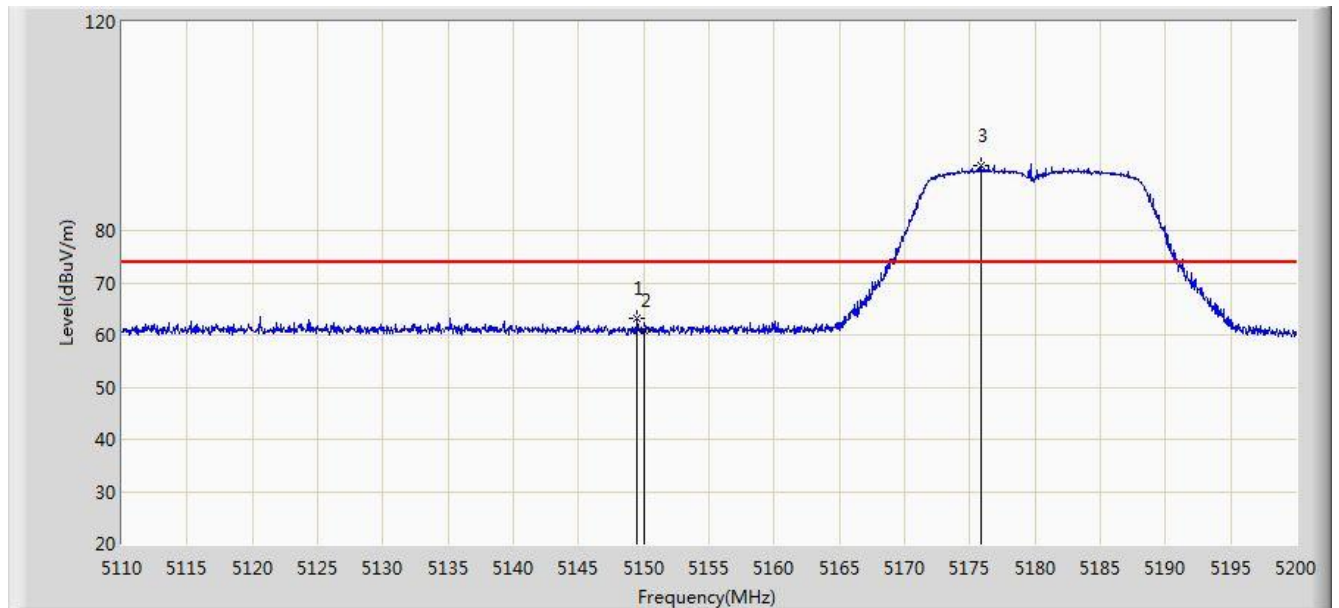
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.819	41.643	-5.181	54.000	7.176	AV
2		*	5175.745	88.667	81.585	N/A	N/A	7.082	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

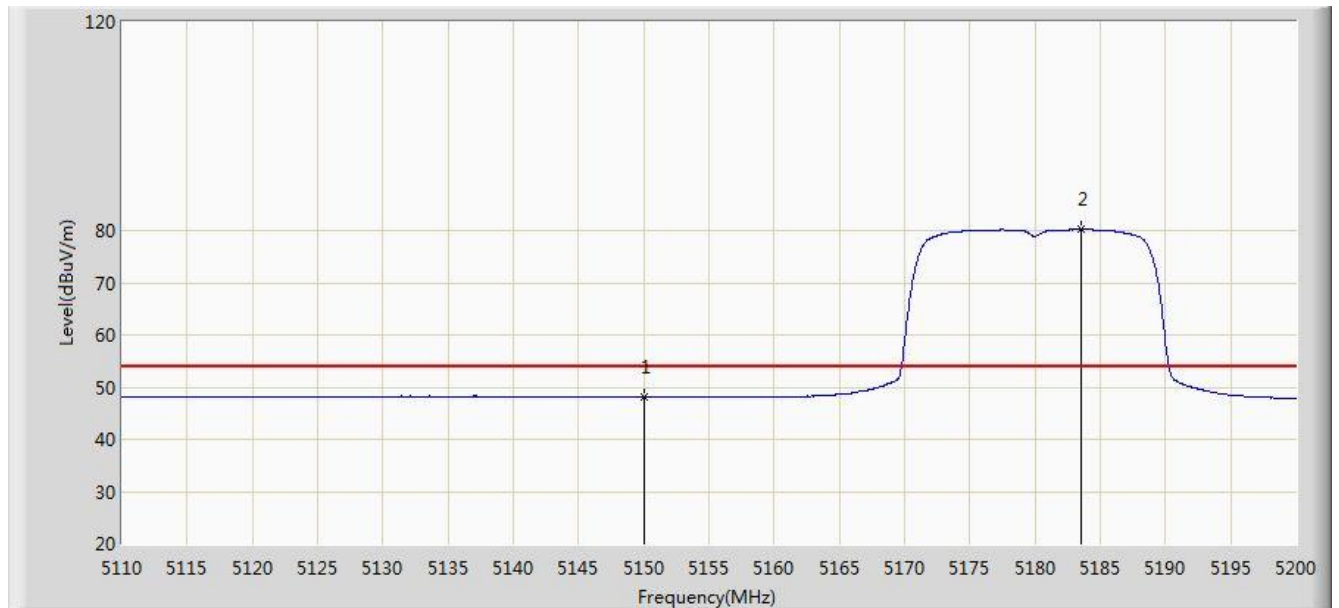


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.510	63.230	56.054	-10.770	74.000	7.177	PK
2			5150.000	60.847	53.671	-13.153	74.000	7.176	PK
3		*	5175.880	92.457	85.376	N/A	N/A	7.081	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

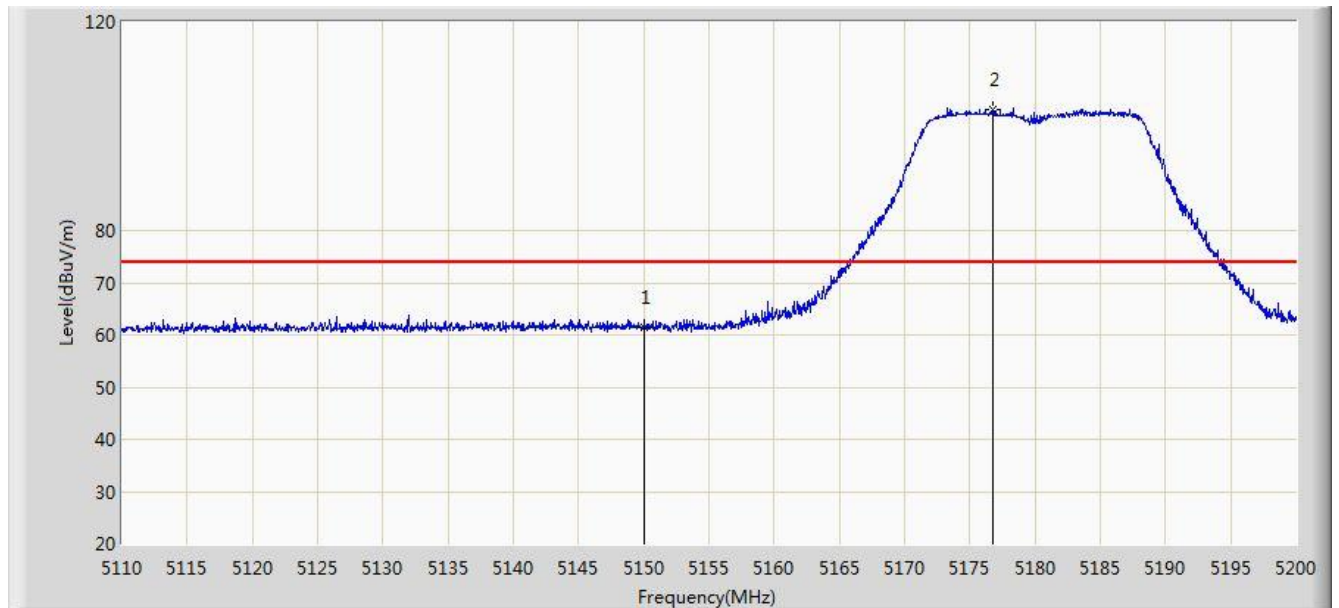


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.165	40.989	-5.835	54.000	7.176	AV
2		*	5183.575	80.206	73.174	N/A	N/A	7.032	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

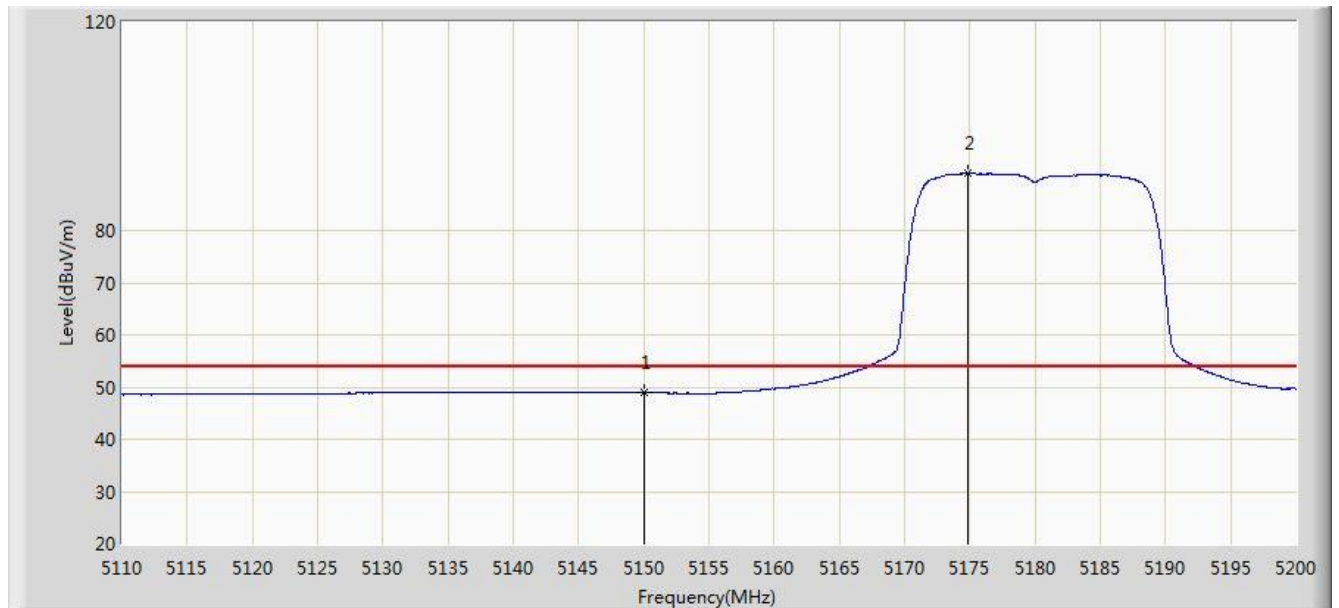


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.544	54.368	-12.456	74.000	7.176	PK
2		*	5176.735	103.166	96.090	N/A	N/A	7.075	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 1	

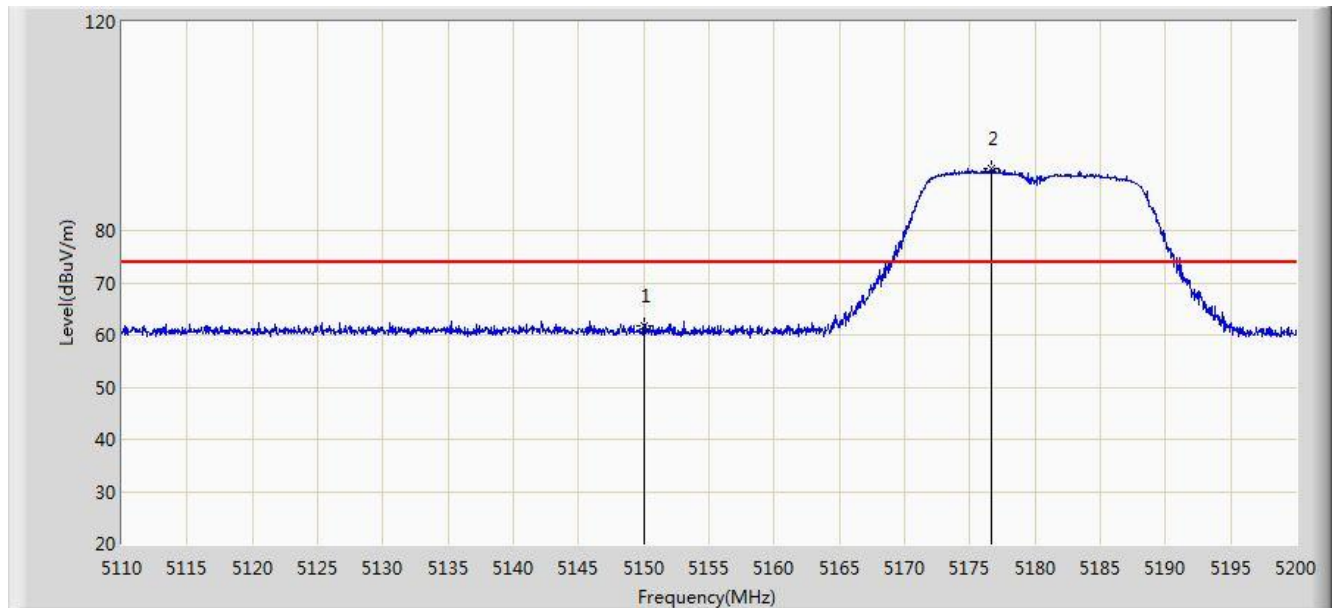


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.869	41.693	-5.131	54.000	7.176	AV
2		*	5174.890	90.965	83.877	N/A	N/A	7.088	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 20:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

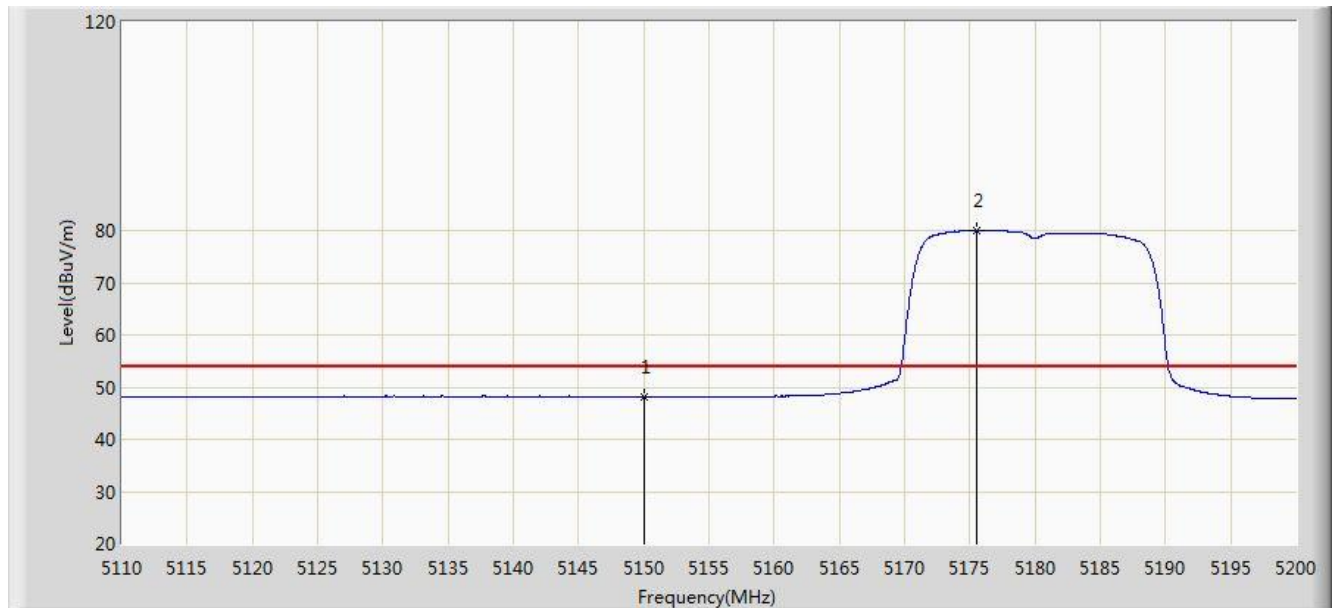


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.799	54.623	-12.201	74.000	7.176	PK
2		*	5176.690	91.853	84.777	N/A	N/A	7.075	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

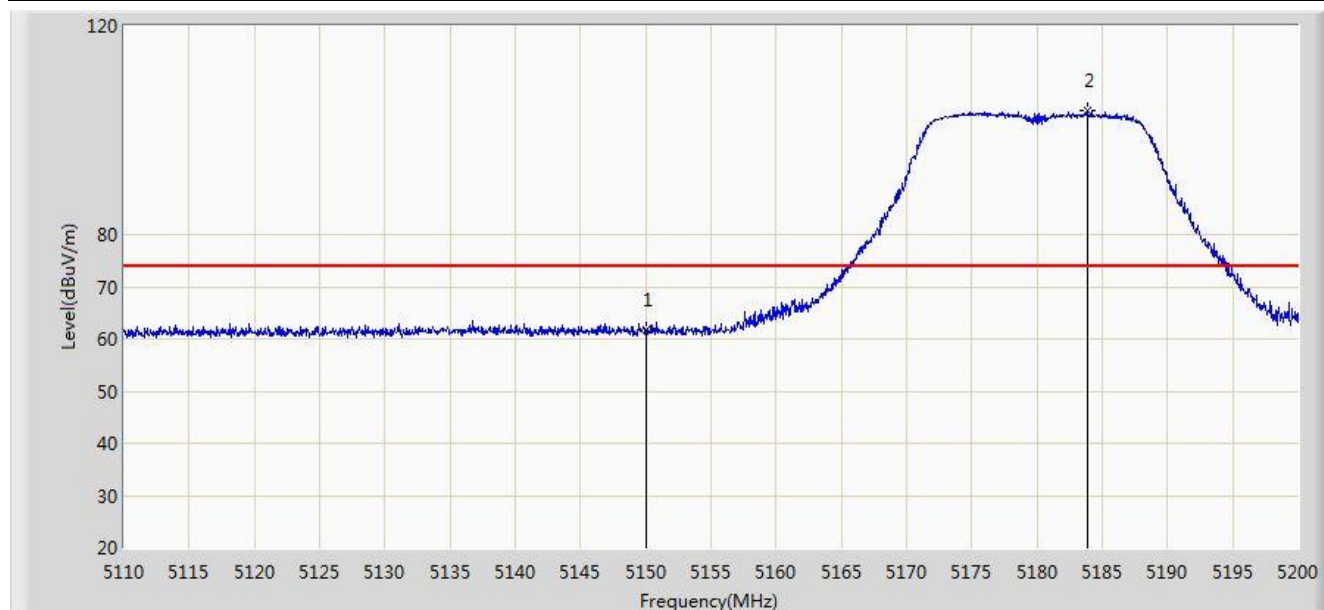


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.174	40.998	-5.826	54.000	7.176	AV
2		*	5175.475	79.883	72.799	N/A	N/A	7.084	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	

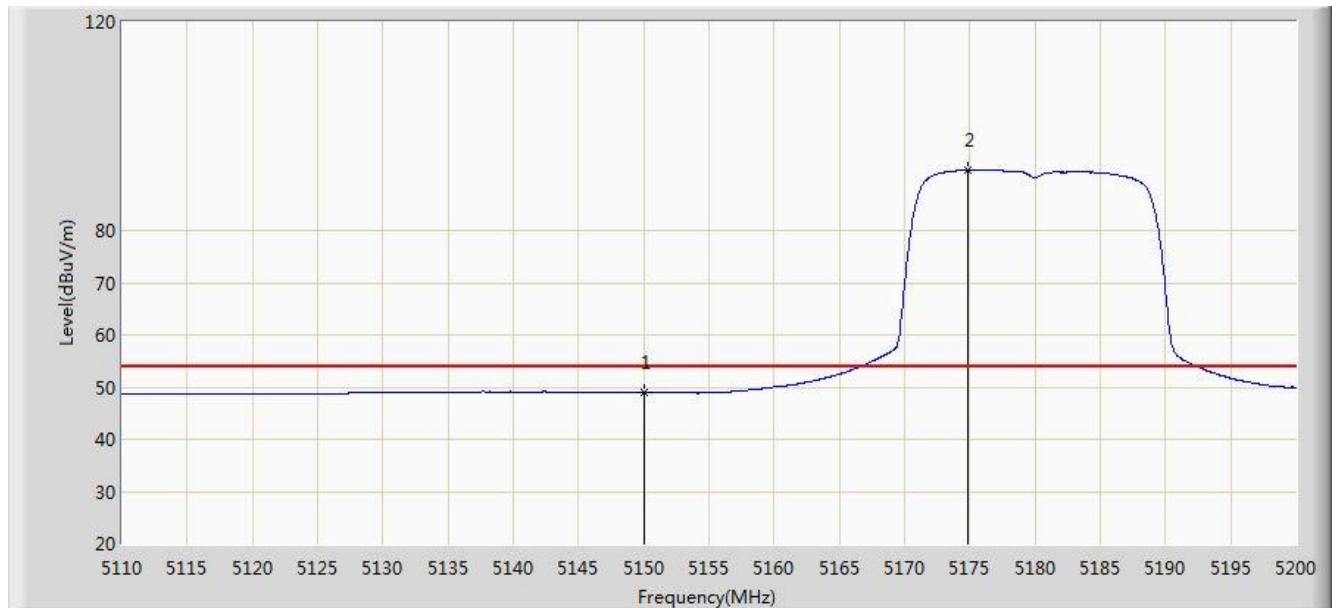


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.640	54.464	-12.360	74.000	7.176	PK
2		*	5183.845	103.723	96.693	N/A	N/A	7.030	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1	



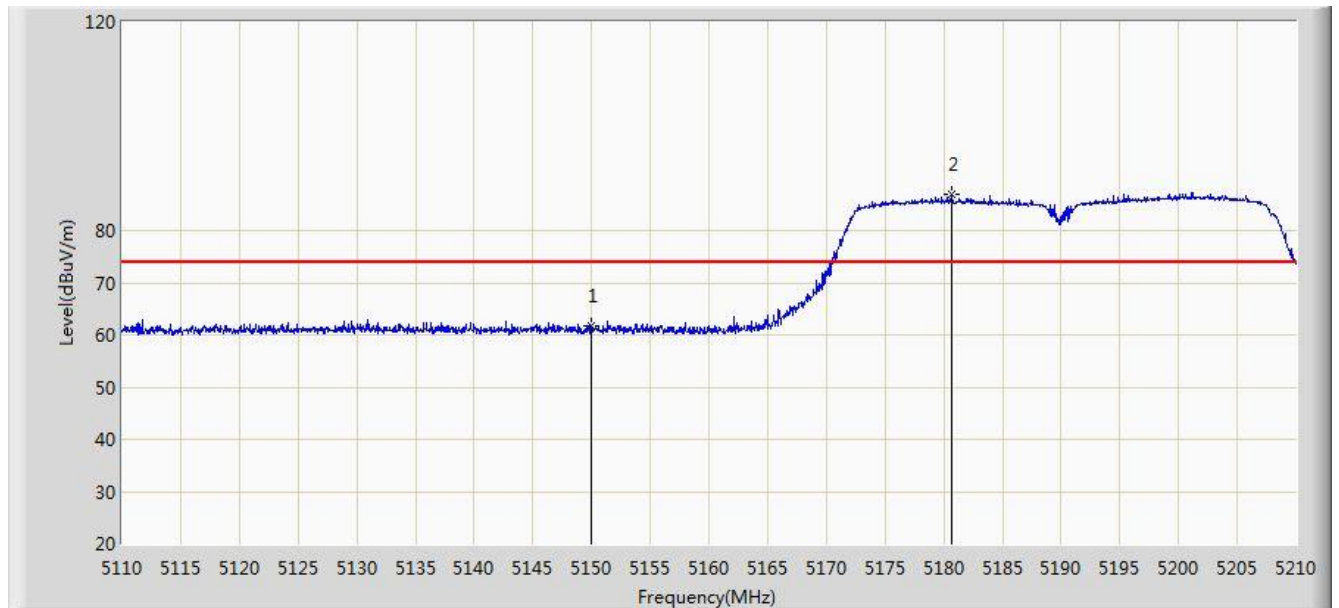
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.901	41.725	-5.099	54.000	7.176	AV
2		*	5174.890	91.638	84.550	N/A	N/A	7.088	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

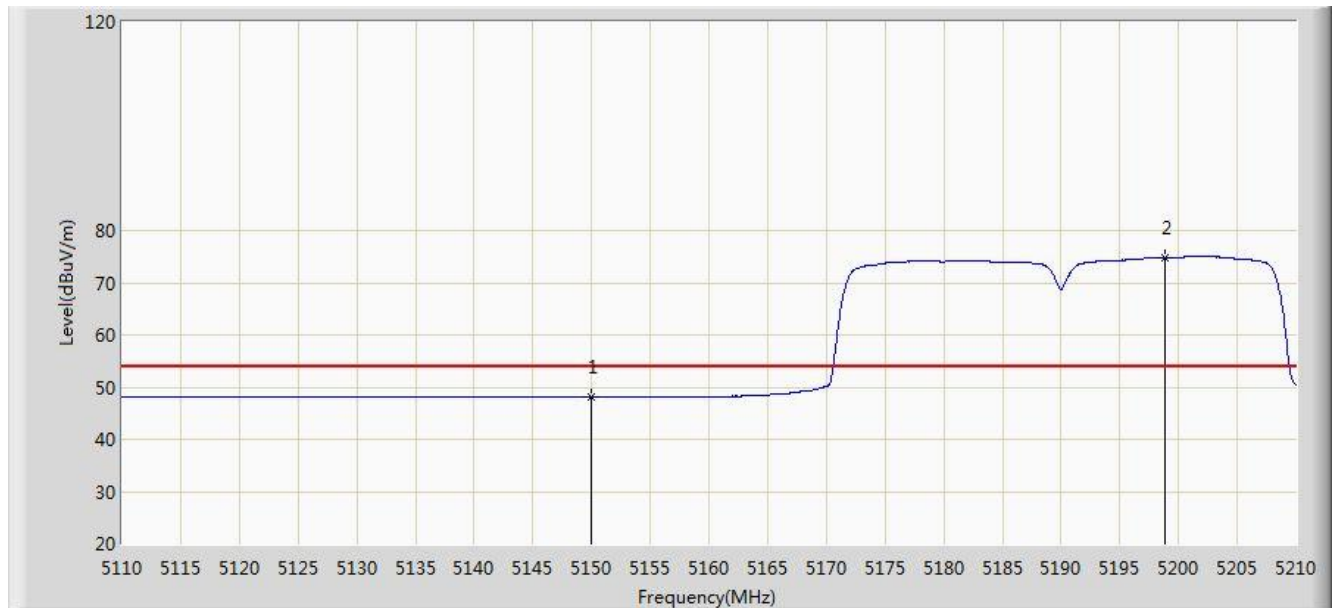


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.800	54.624	-12.200	74.000	7.176	PK
2		*	5180.650	87.001	79.951	N/A	N/A	7.051	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

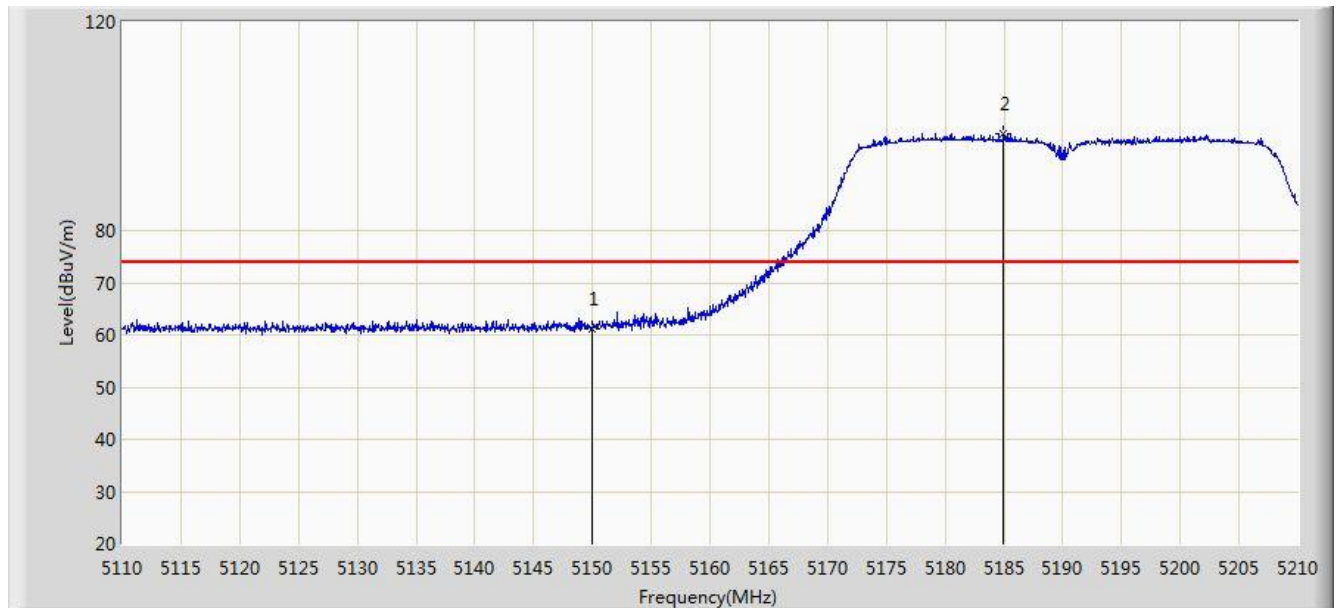


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.151	40.975	-5.849	54.000	7.176	AV
2		*	5198.900	74.877	67.938	N/A	N/A	6.939	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

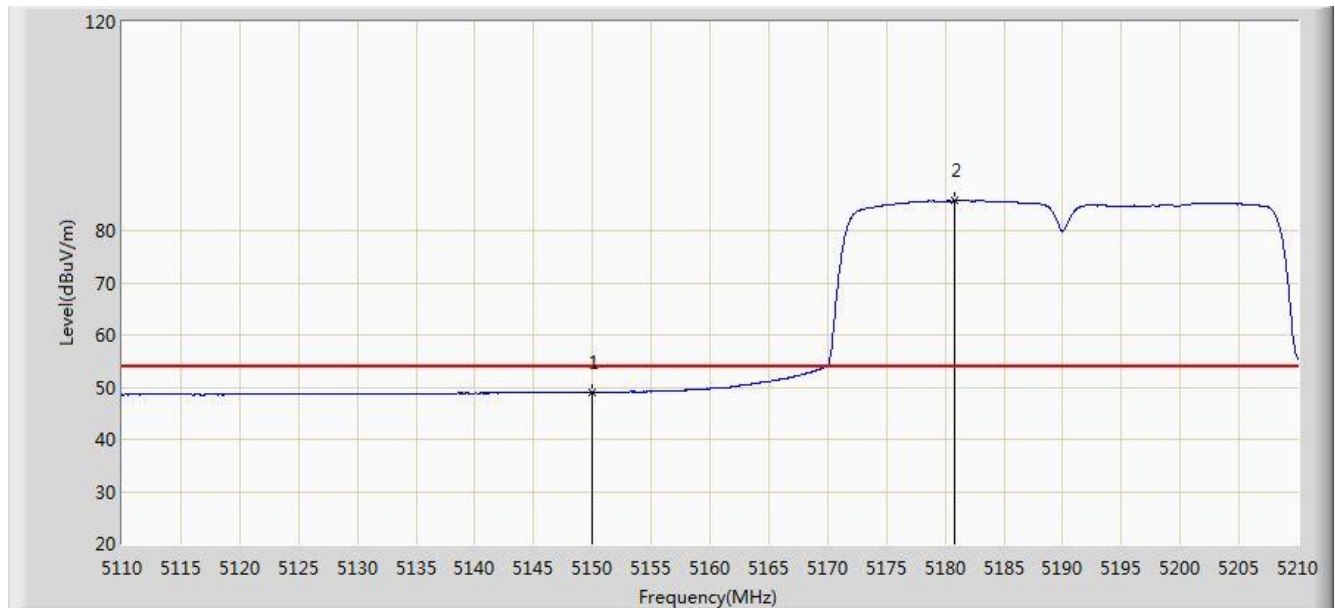


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	61.149	53.973	-12.851	74.000	7.176	PK
2		*	5184.950	98.591	91.568	N/A	N/A	7.023	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0	

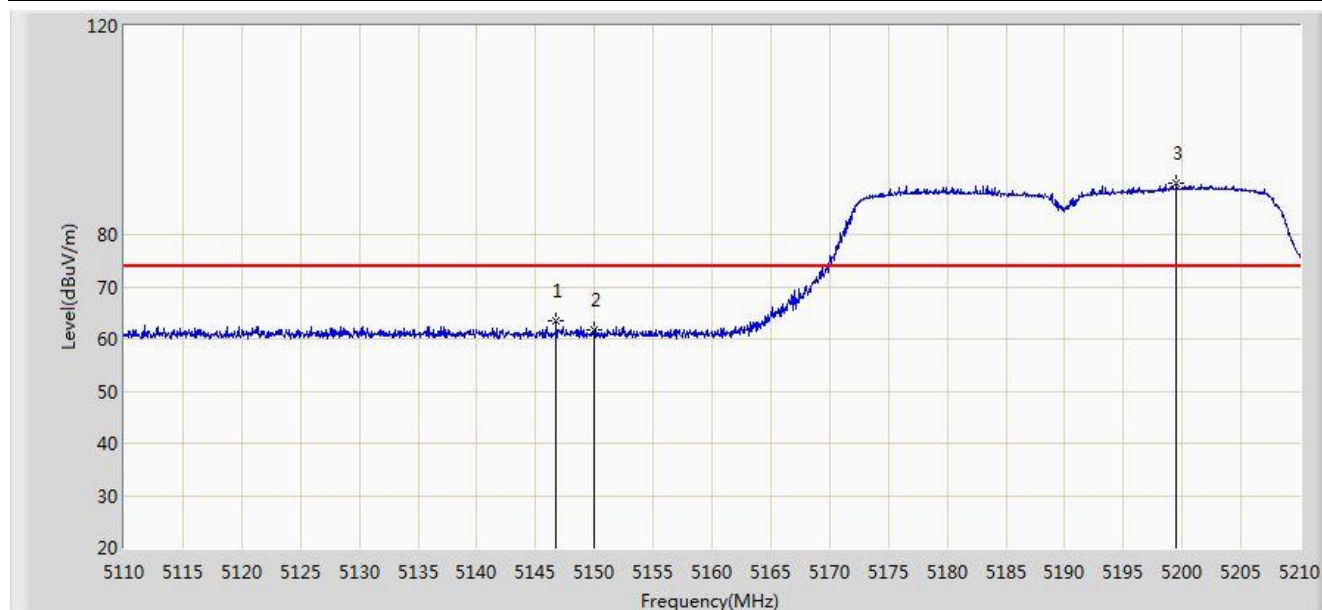


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.965	41.789	-5.035	54.000	7.176	AV
2		*	5180.850	85.698	78.649	N/A	N/A	7.049	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

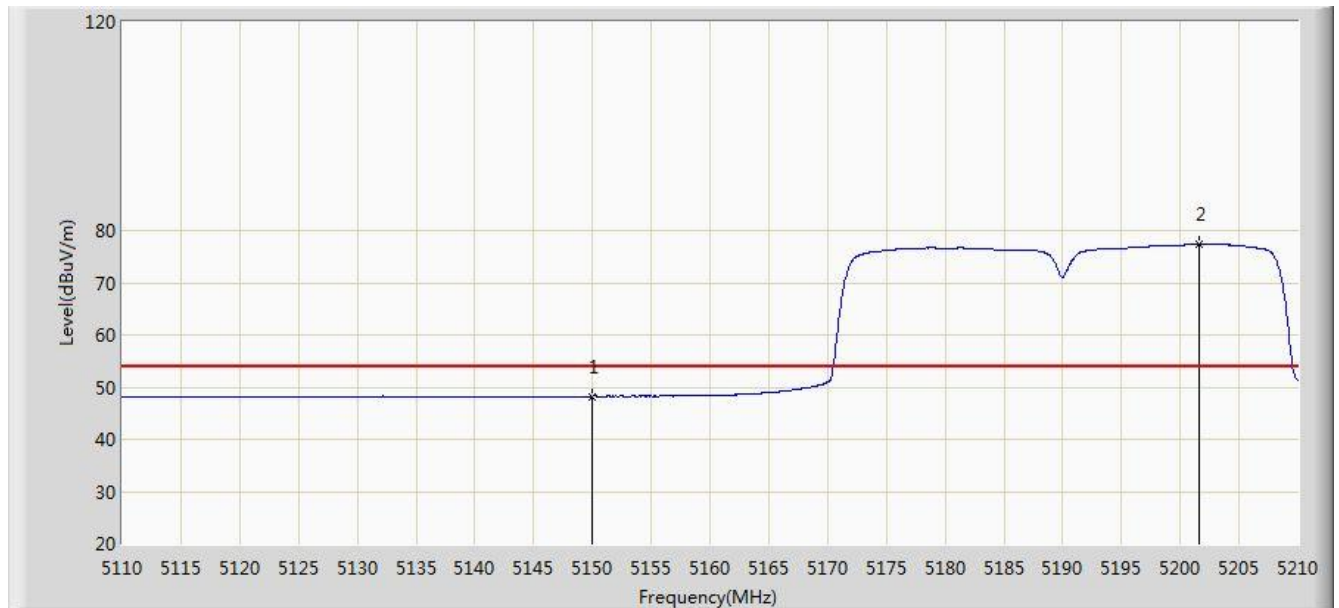


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.750	63.587	56.410	-10.413	74.000	7.178	PK
2			5150.000	61.694	54.518	-12.306	74.000	7.176	PK
3		*	5199.500	89.723	82.787	N/A	N/A	6.936	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

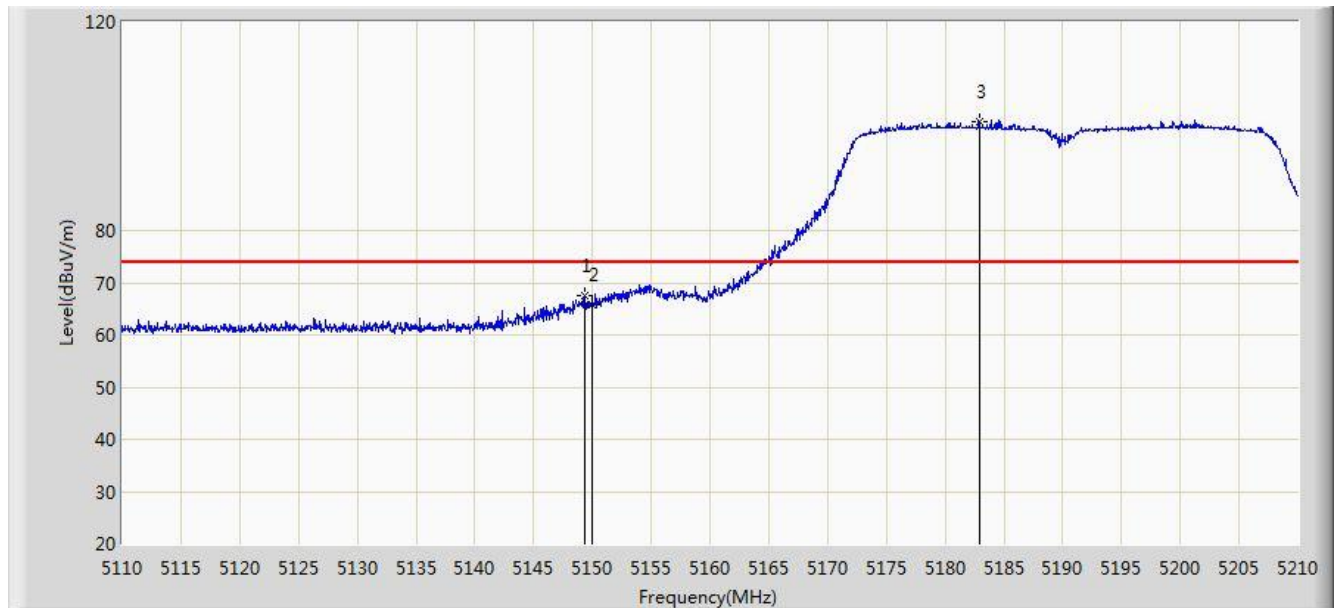


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.231	41.055	-5.769	54.000	7.176	AV
2		*	5201.550	77.480	70.555	N/A	N/A	6.925	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	

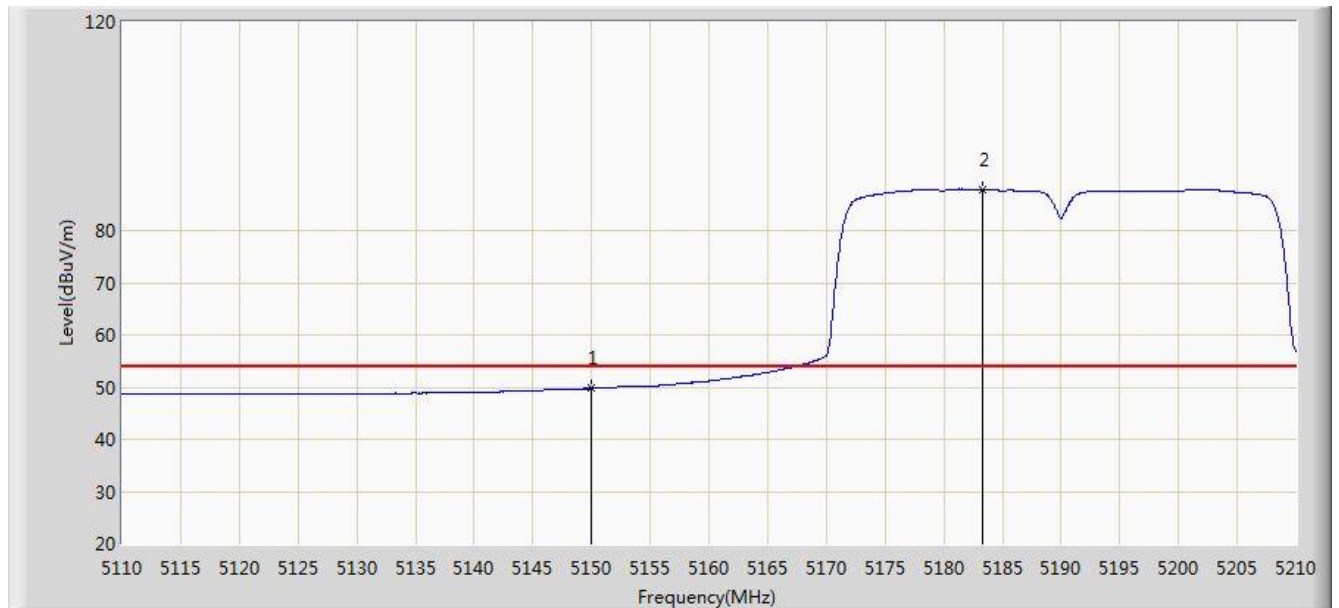


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.350	67.402	60.225	-6.598	74.000	7.176	PK
2			5150.000	65.897	58.721	-8.103	74.000	7.176	PK
3		*	5182.900	100.908	93.872	N/A	N/A	7.036	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 1	



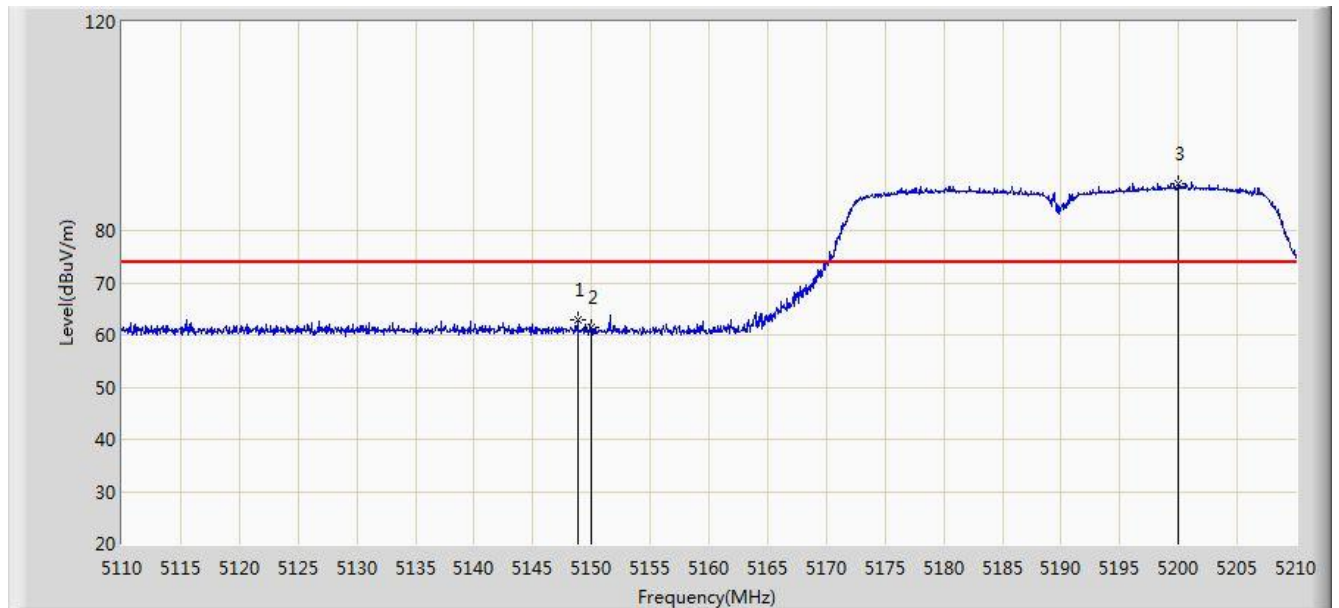
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.753	42.577	-4.247	54.000	7.176	AV
2		*	5183.350	87.872	80.839	N/A	N/A	7.033	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

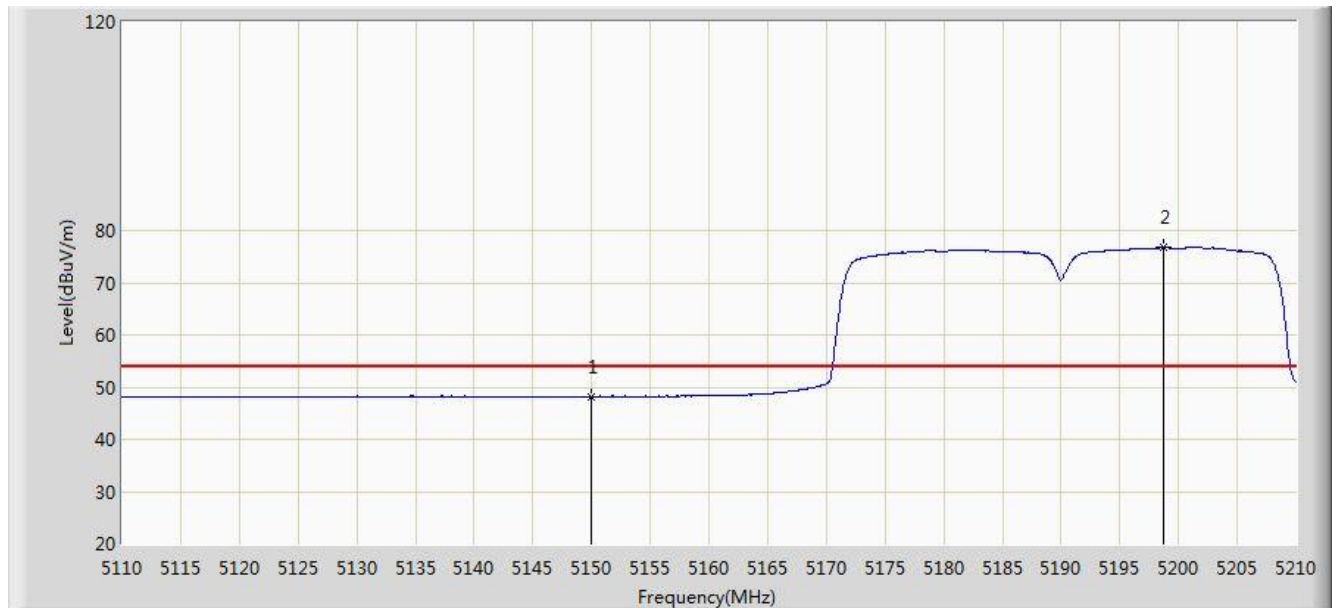


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.800	63.034	55.857	-10.966	74.000	7.177	PK
2			5150.000	61.450	54.274	-12.550	74.000	7.176	PK
3		*	5200.000	89.044	82.111	N/A	N/A	6.934	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

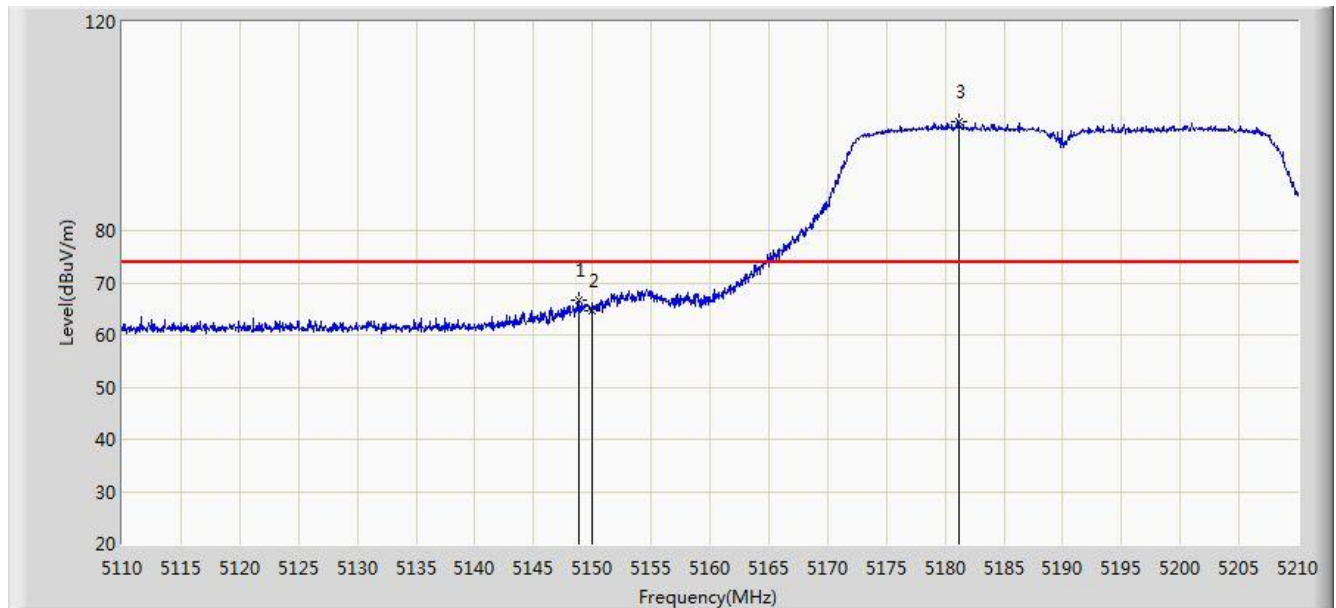


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.240	41.064	-5.760	54.000	7.176	AV
2		*	5198.750	76.734	69.794	N/A	N/A	6.941	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

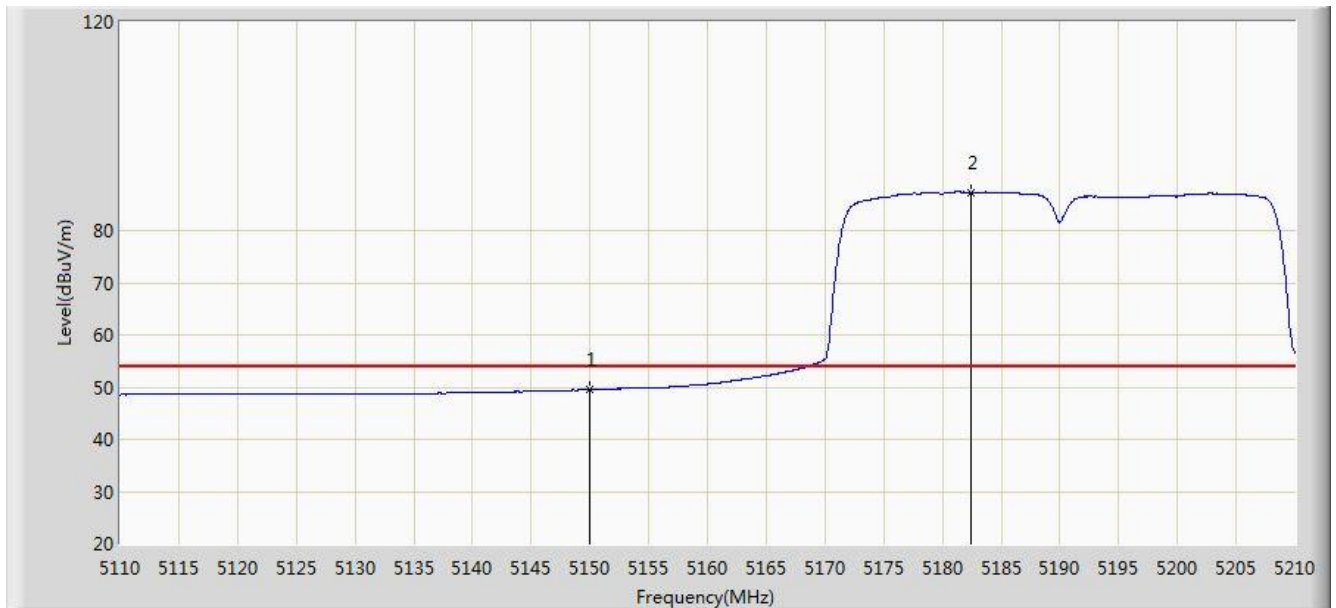


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.800	66.682	59.505	-7.318	74.000	7.177	PK
2			5150.000	64.769	57.593	-9.231	74.000	7.176	PK
3		*	5181.200	100.732	93.686	N/A	N/A	7.047	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1	

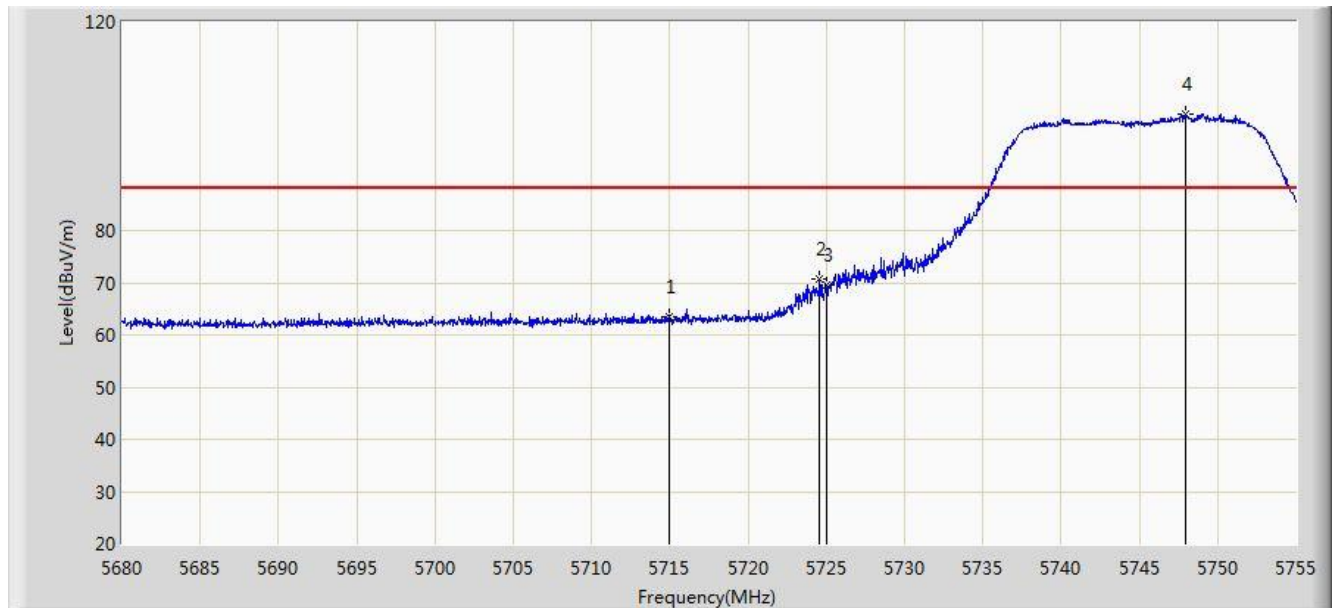


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.517	42.341	-4.483	54.000	7.176	AV
2		*	5182.400	87.324	80.285	N/A	N/A	7.039	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:20
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

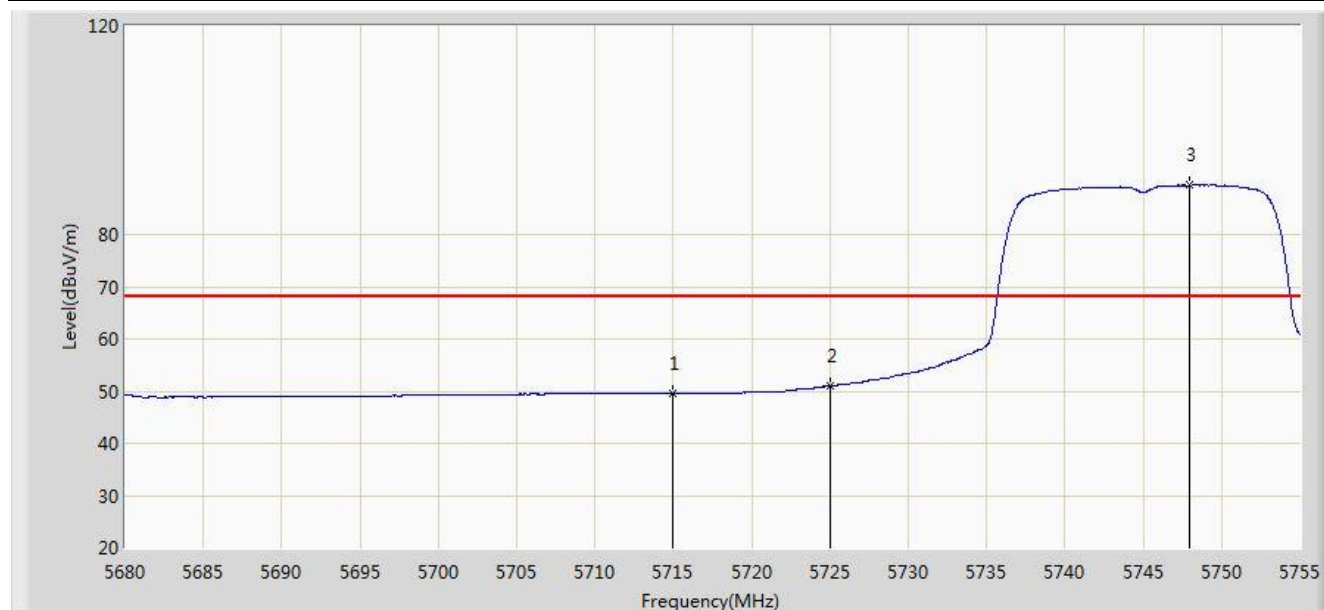


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	63.403	55.631	-24.797	88.200	7.772	PK
2			5724.587	70.655	62.865	-27.545	98.200	7.790	PK
3			5725.000	69.580	61.789	-28.620	98.200	7.791	PK
4		*	5747.950	102.326	94.487	N/A	N/A	7.839	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:24
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

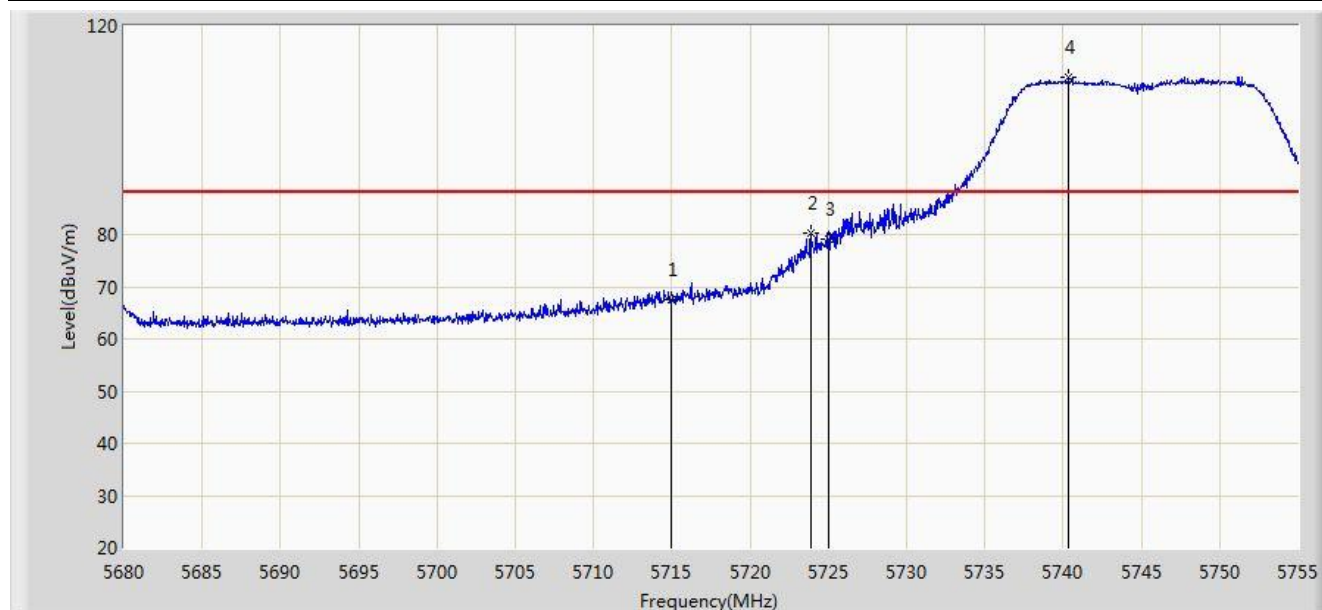


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	49.559	41.787	-18.641	68.200	7.772	AV
2			5725.000	50.949	43.158	-27.251	78.200	7.791	AV
3		*	5747.950	89.428	81.589	N/A	N/A	7.839	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:25
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	

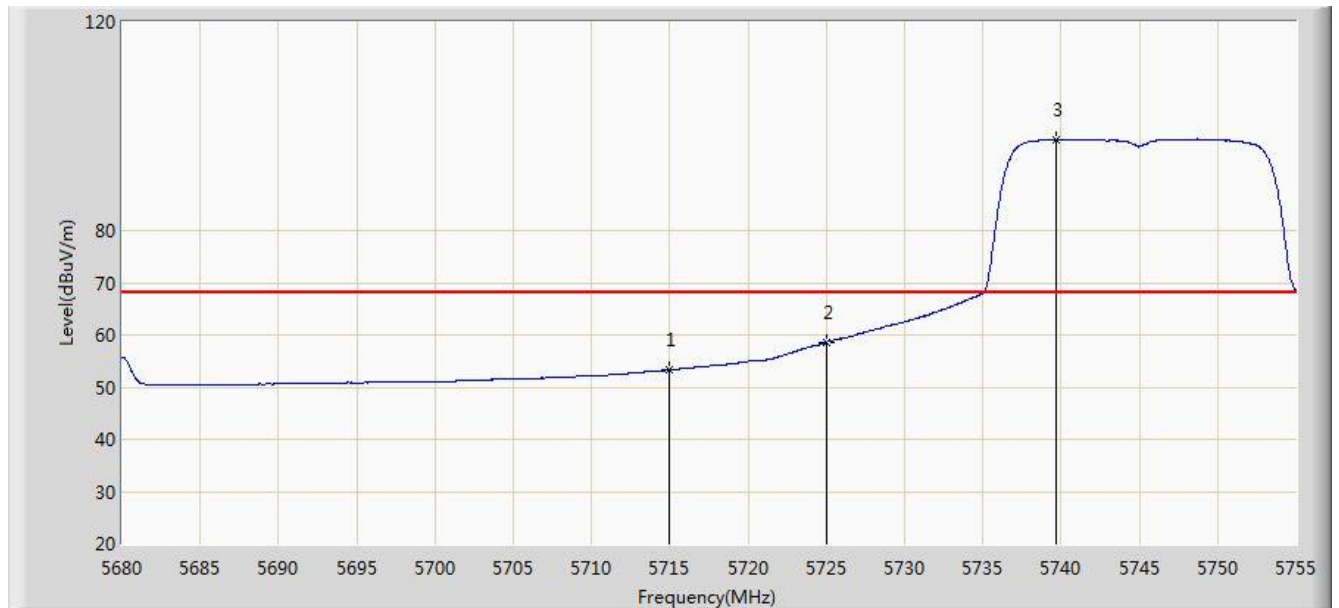


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.583	59.811	-20.617	88.200	7.772	PK
2			5723.875	80.203	72.414	-17.997	98.200	7.789	PK
3			5725.000	79.027	71.236	-19.173	98.200	7.791	PK
4		*	5740.375	110.135	102.312	N/A	N/A	7.823	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:26
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 0	



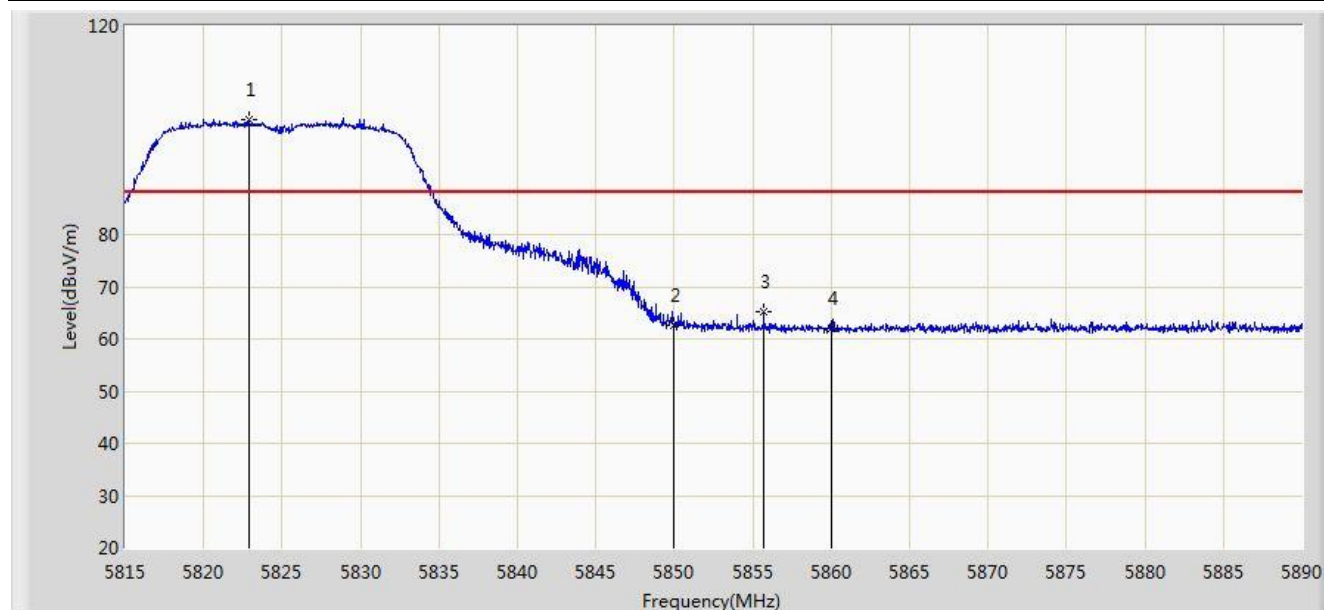
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	53.246	45.474	-14.954	68.200	7.772	AV
2			5725.000	58.595	50.804	-19.605	78.200	7.791	AV
3		*	5739.663	97.501	89.679	N/A	N/A	7.822	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:36
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

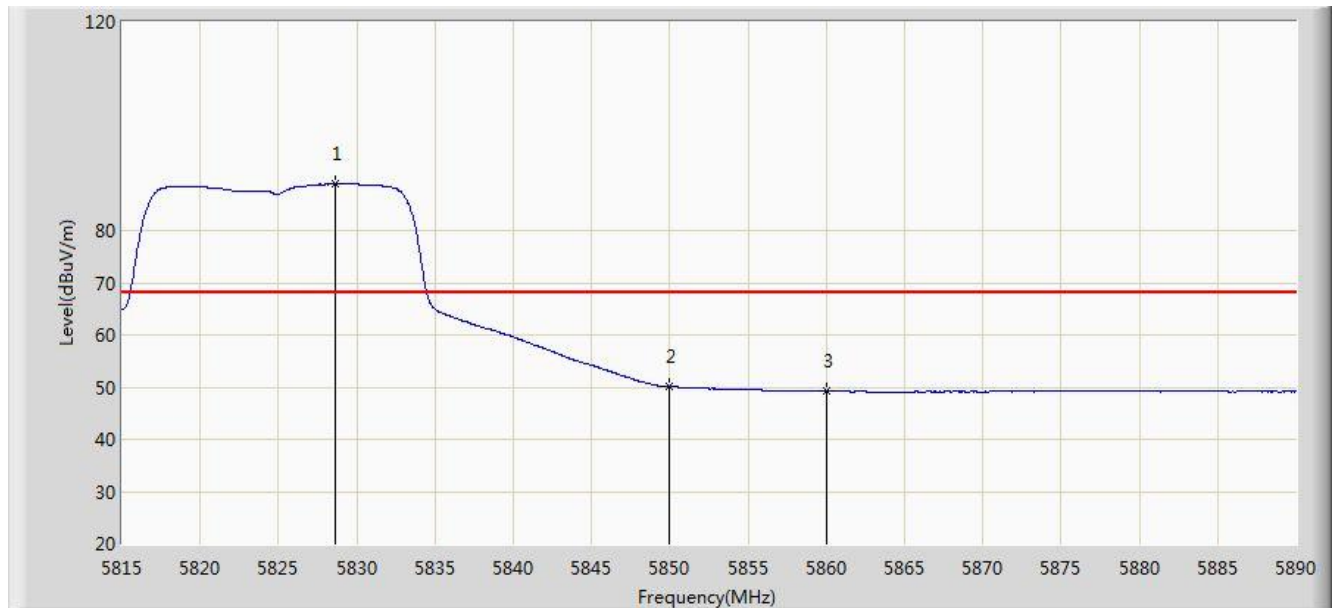


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.875	102.016	93.969	N/A	N/A	8.048	PK
2			5850.000	62.665	54.531	-35.535	98.200	8.134	PK
3			5855.687	65.138	56.973	-33.062	98.200	8.166	PK
4			5860.000	61.931	53.742	-26.269	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:39
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

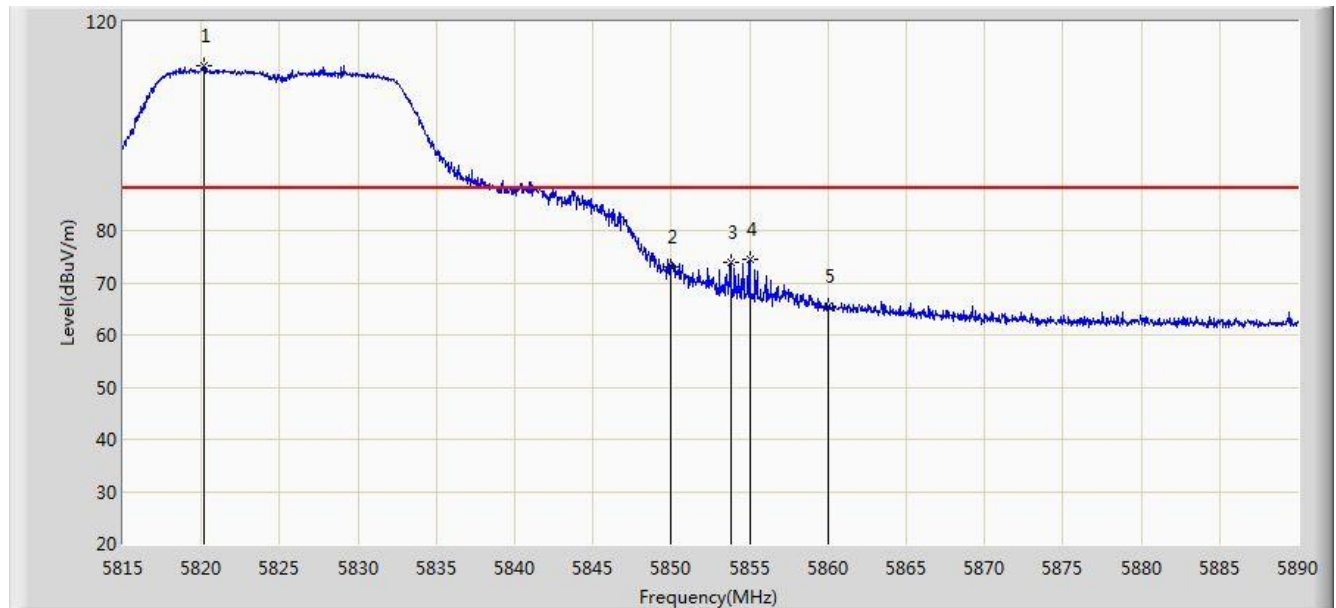


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5828.612	88.945	80.888	N/A	N/A	8.057	AV
2			5850.000	50.064	41.930	-28.136	78.200	8.134	AV
3			5860.000	49.229	41.040	-18.971	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:40
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

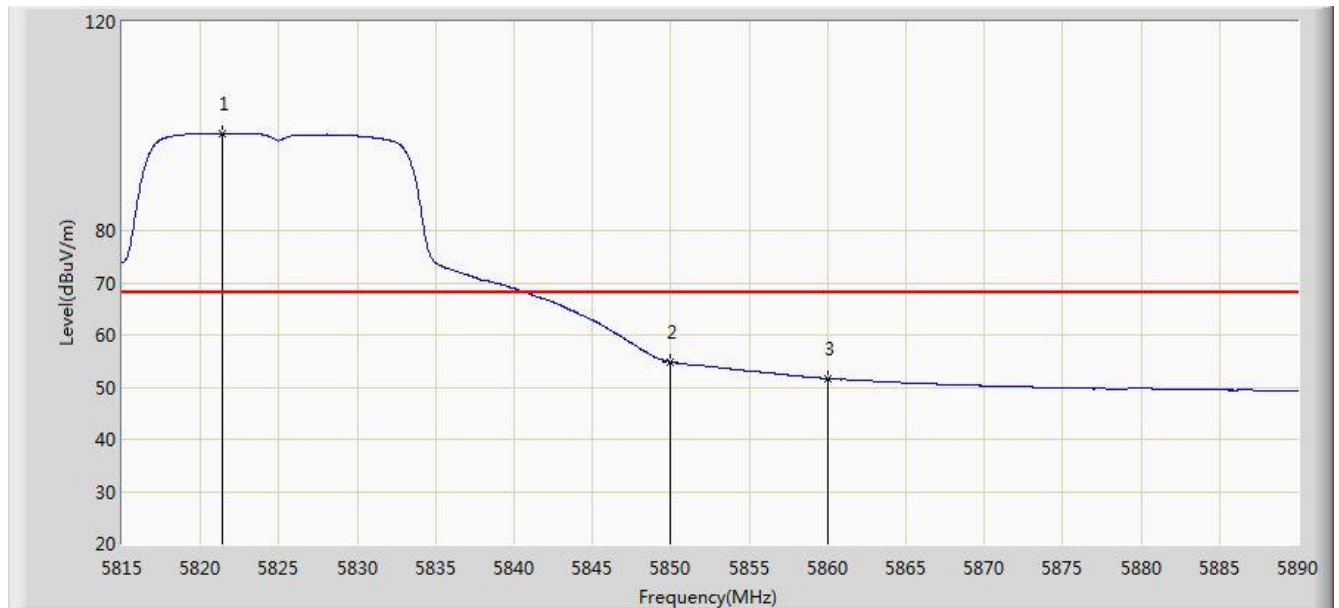


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.175	111.595	103.552	N/A	N/A	8.044	PK
2			5850.000	73.176	65.042	-25.024	98.200	8.134	PK
3			5853.775	73.897	65.742	-24.303	98.200	8.154	PK
4			5855.013	74.402	66.240	-23.798	98.200	8.161	PK
5			5860.000	65.594	57.405	-22.606	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:41
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 0	

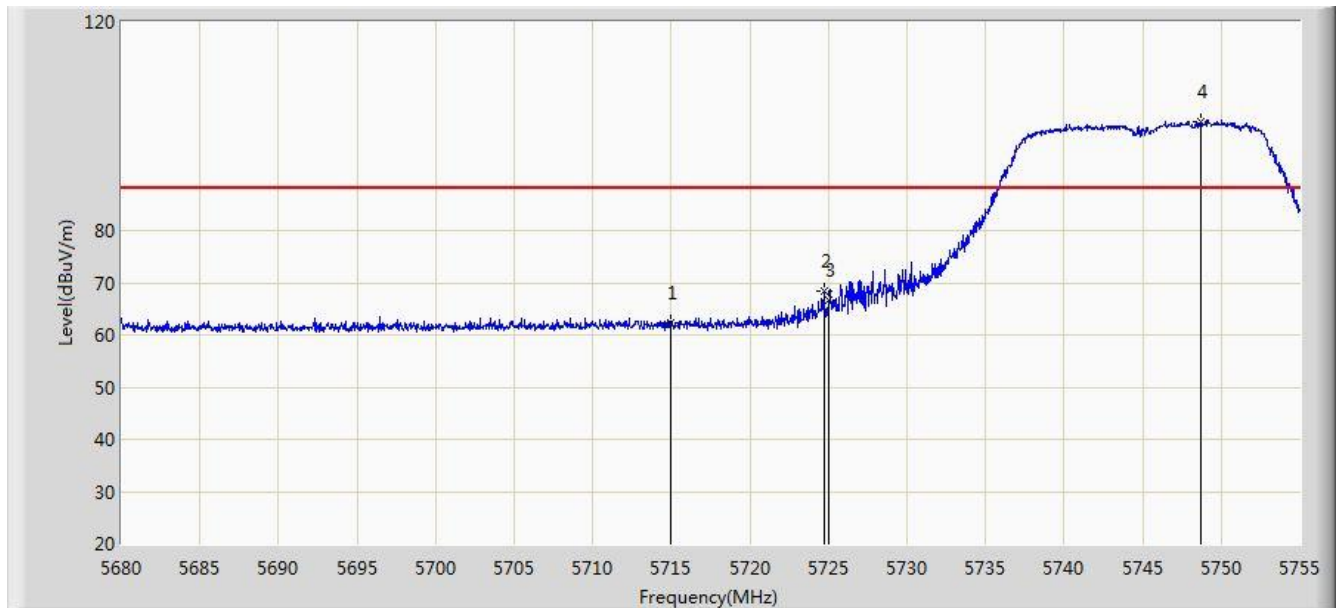


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.375	98.649	90.604	N/A	N/A	8.045	AV
2			5850.000	54.861	46.727	-23.339	78.200	8.134	AV
3			5860.000	51.661	43.472	-16.539	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:42
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

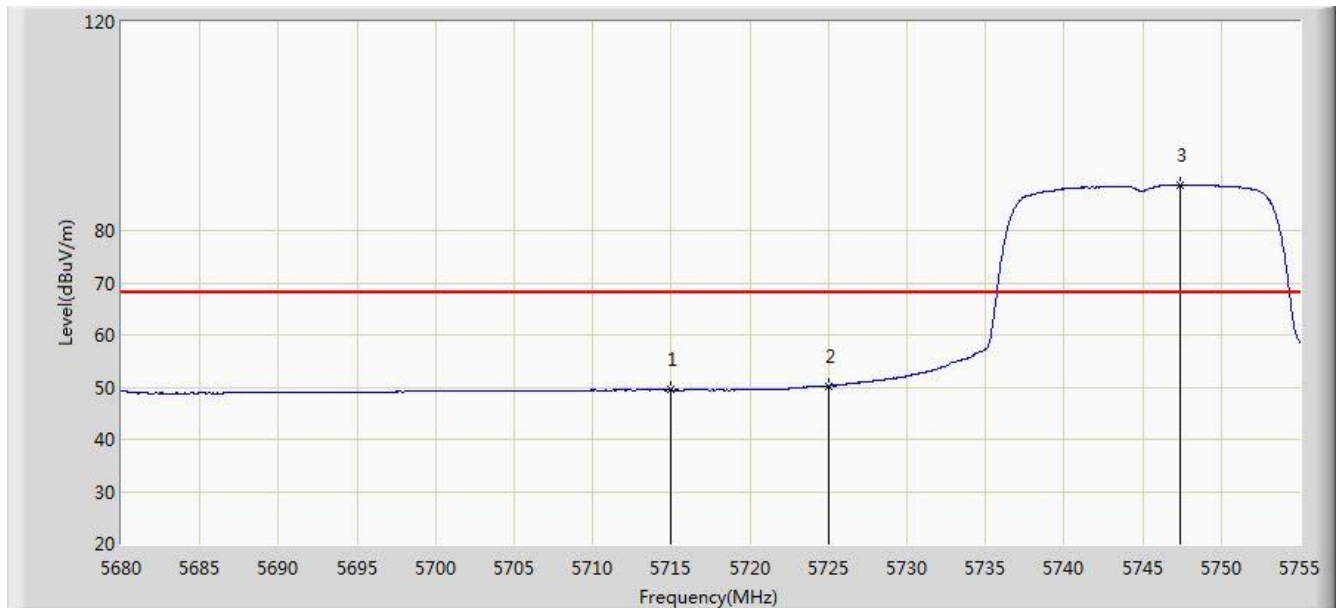


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.437	54.665	-25.763	88.200	7.772	PK
2			5724.700	68.366	60.576	-29.834	98.200	7.790	PK
3			5725.000	66.640	58.849	-31.560	98.200	7.791	PK
4		*	5748.737	100.912	93.071	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:42
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

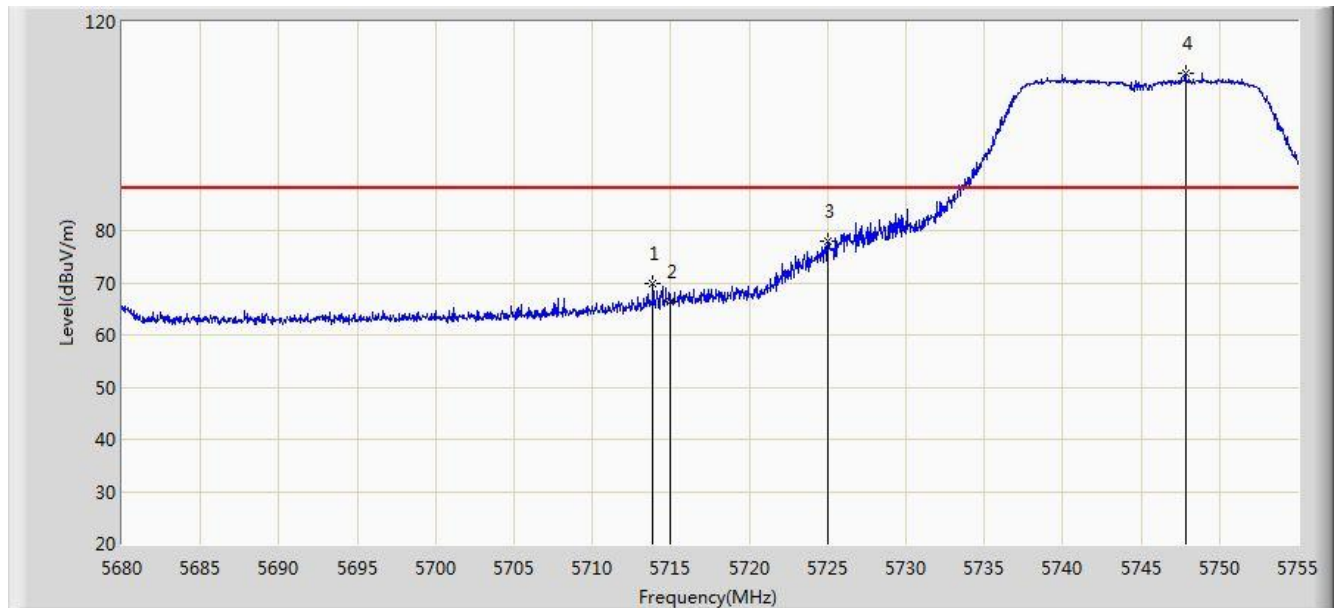


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	49.467	41.695	-18.733	68.200	7.772	AV
2			5725.000	50.236	42.445	-27.964	78.200	7.791	AV
3		*	5747.388	88.696	80.858	N/A	N/A	7.838	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:43
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	

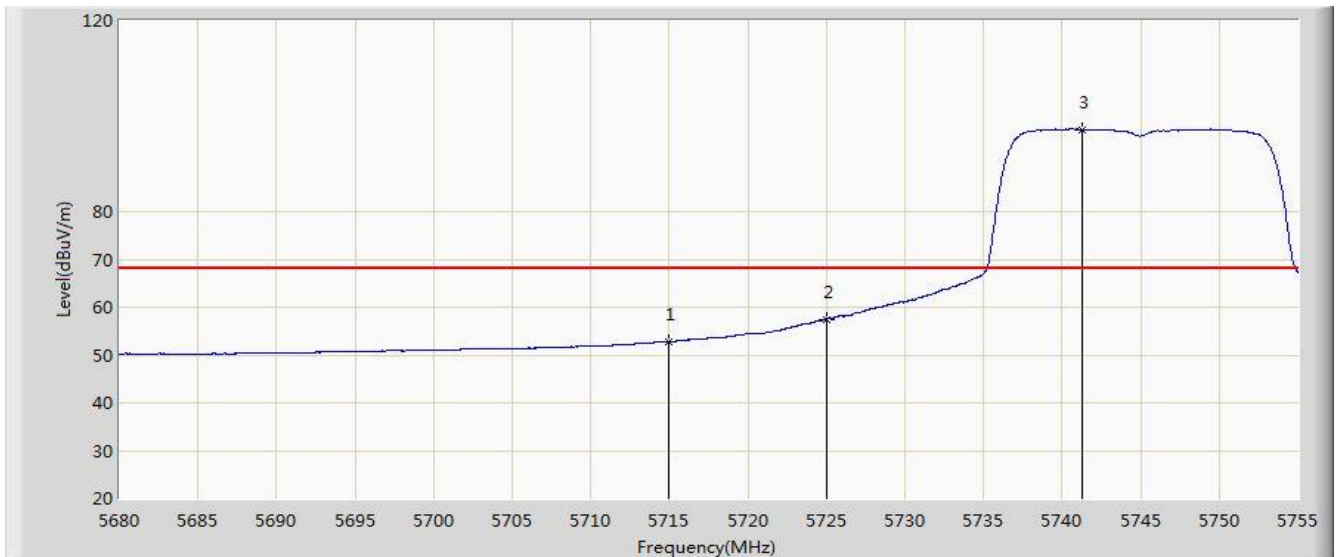


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.862	69.845	62.076	-18.355	88.200	7.769	PK
2			5715.000	66.233	58.461	-31.967	98.200	7.772	PK
3			5725.000	78.014	70.223	-20.186	98.200	7.791	PK
4		*	5747.837	110.256	102.417	N/A	N/A	7.839	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:43
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5745MHz Ant 1	



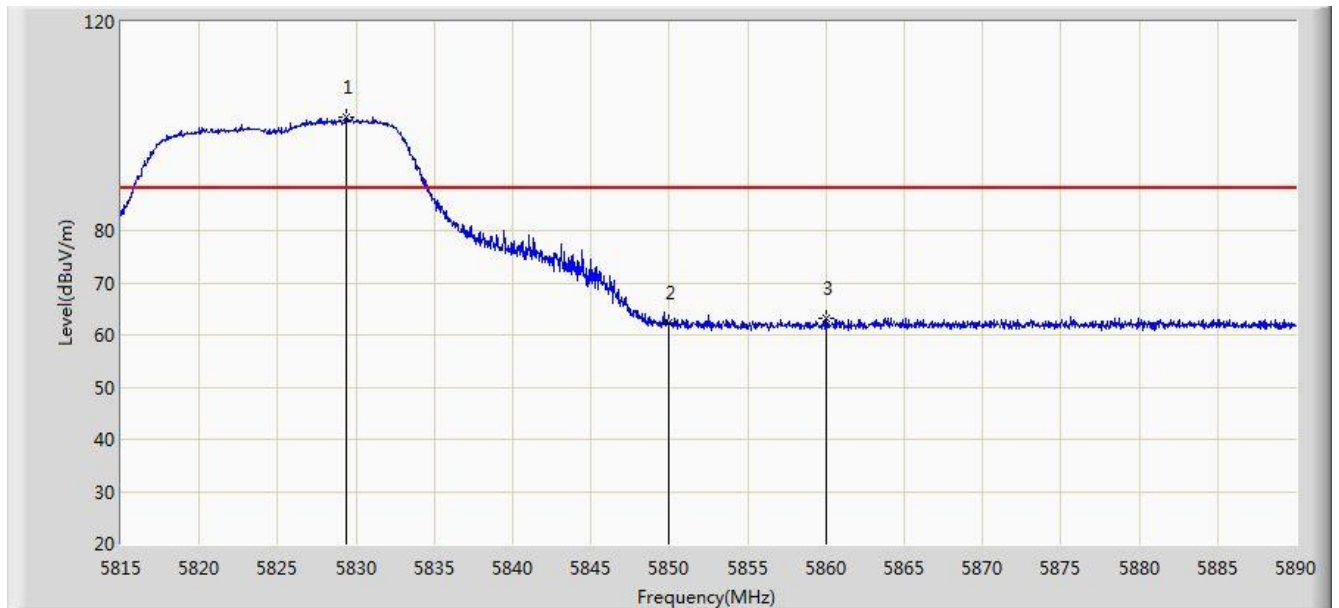
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.823	45.051	-15.377	68.200	7.772	AV
2			5725.000	57.529	49.738	-20.671	78.200	7.791	AV
3		*	5741.312	97.176	89.351	N/A	N/A	7.825	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:43
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

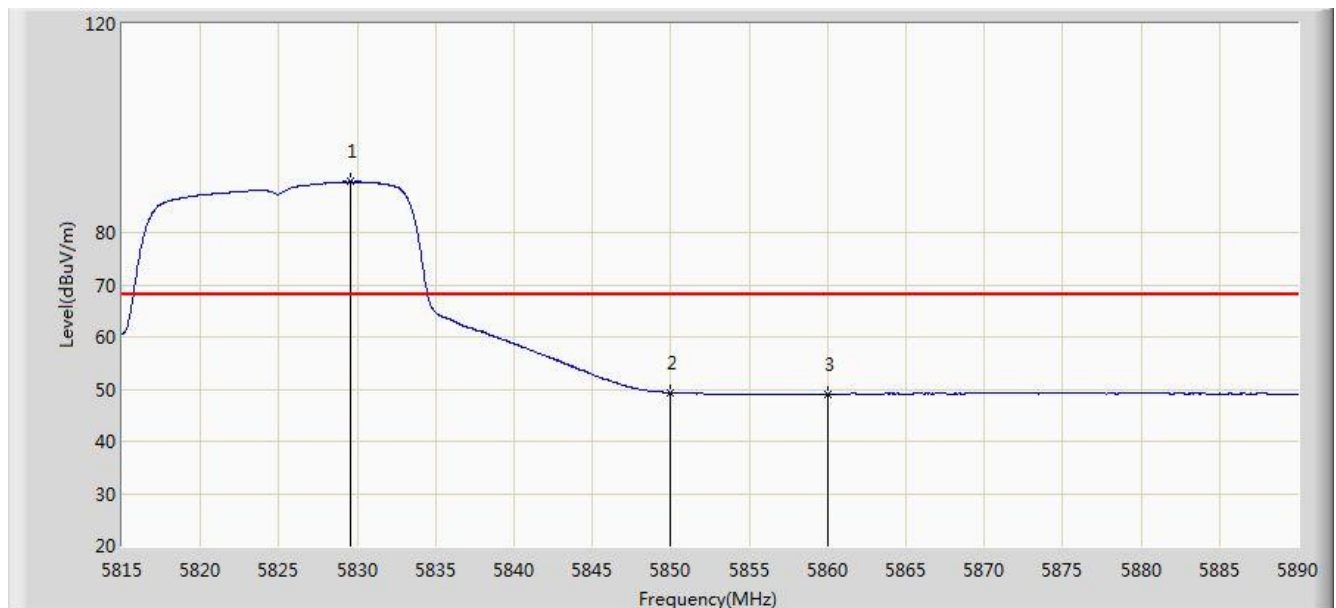


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.362	101.863	93.804	N/A	N/A	8.060	PK
2			5850.000	62.293	54.159	-35.907	98.200	8.134	PK
3			5860.000	63.286	55.097	-24.914	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:45
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

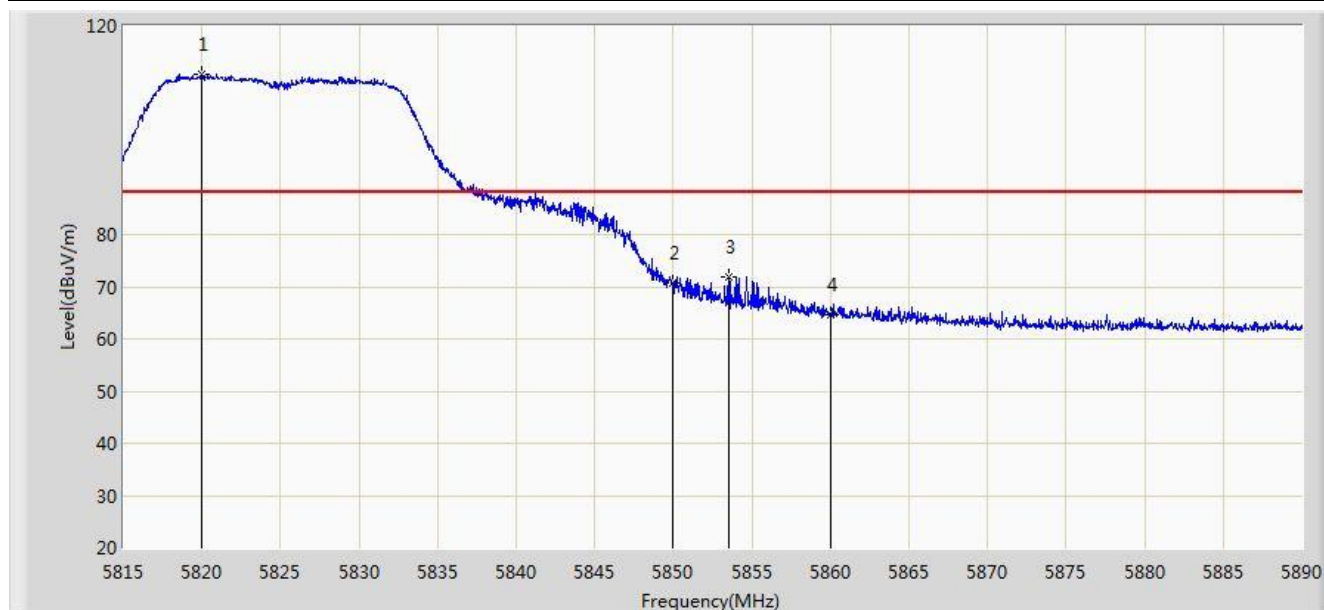


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.550	89.737	81.677	N/A	N/A	8.059	AV
2			5850.000	49.314	41.180	-28.886	78.200	8.134	AV
3			5860.000	49.085	40.896	-19.115	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:46
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

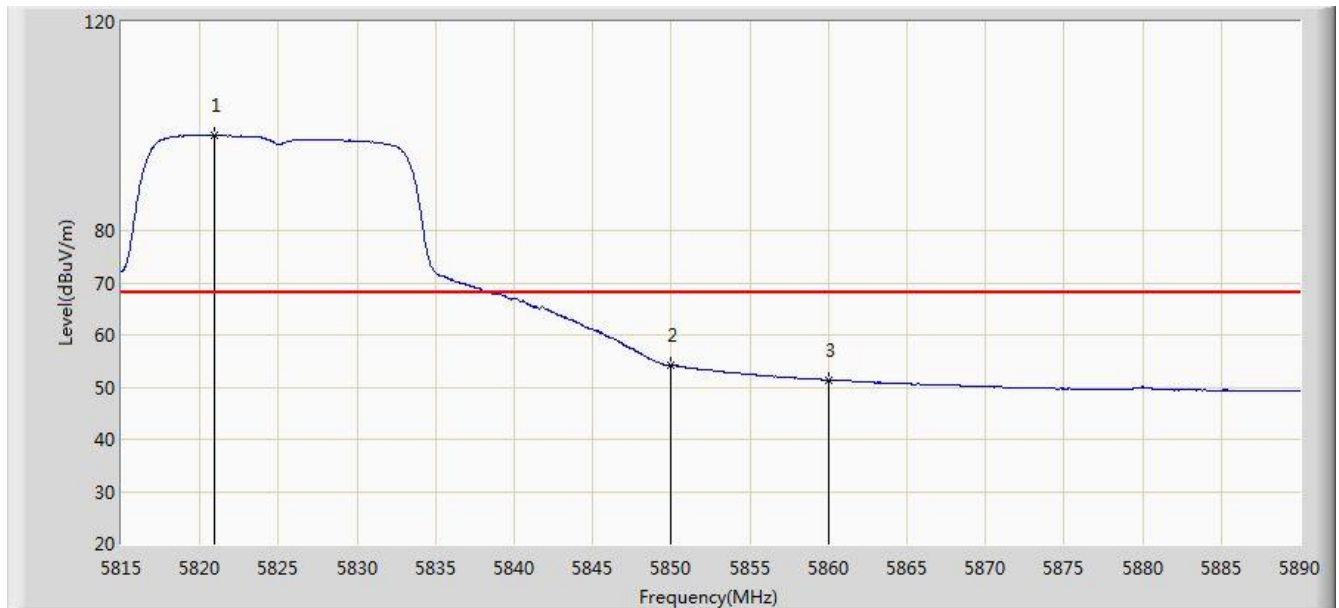


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.025	110.681	102.638	N/A	N/A	8.043	PK
2			5850.000	70.720	62.586	-27.480	98.200	8.134	PK
3			5853.550	71.883	63.729	-26.317	98.200	8.154	PK
4			5860.000	64.495	56.306	-23.705	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:47
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 1: Transmit by 802.11a at channel 5825MHz Ant 1	

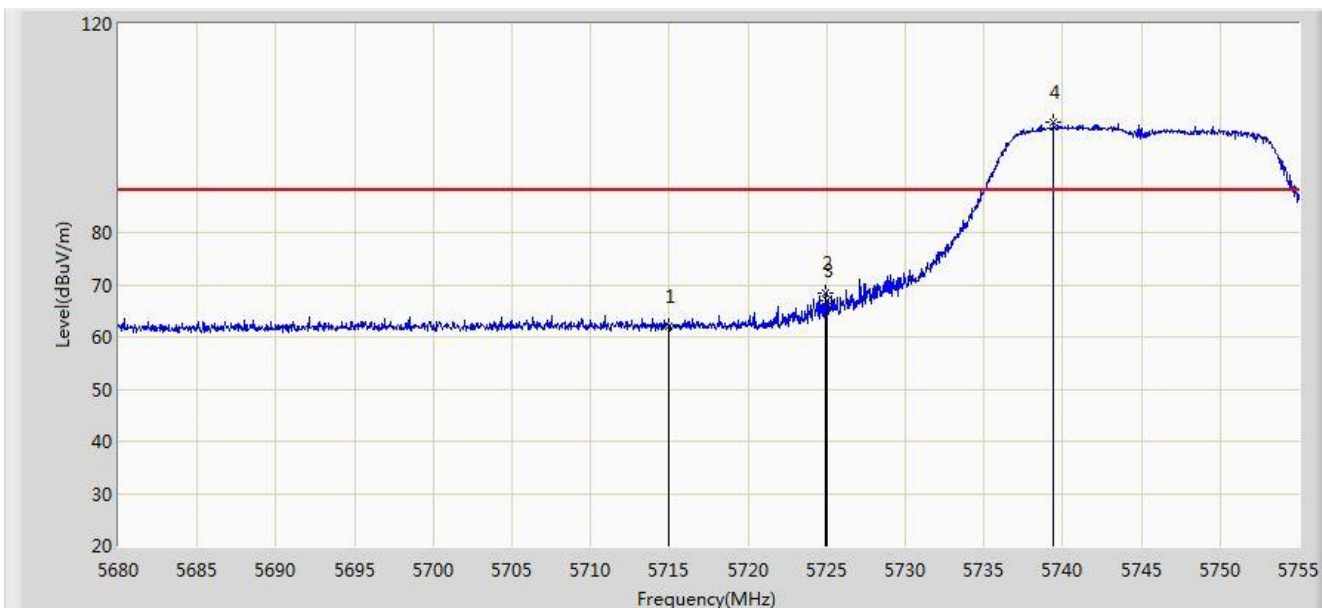


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.925	98.304	90.260	N/A	N/A	8.043	AV
2			5850.000	54.140	46.006	-24.060	78.200	8.134	AV
3			5860.000	51.359	43.170	-16.841	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:48
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

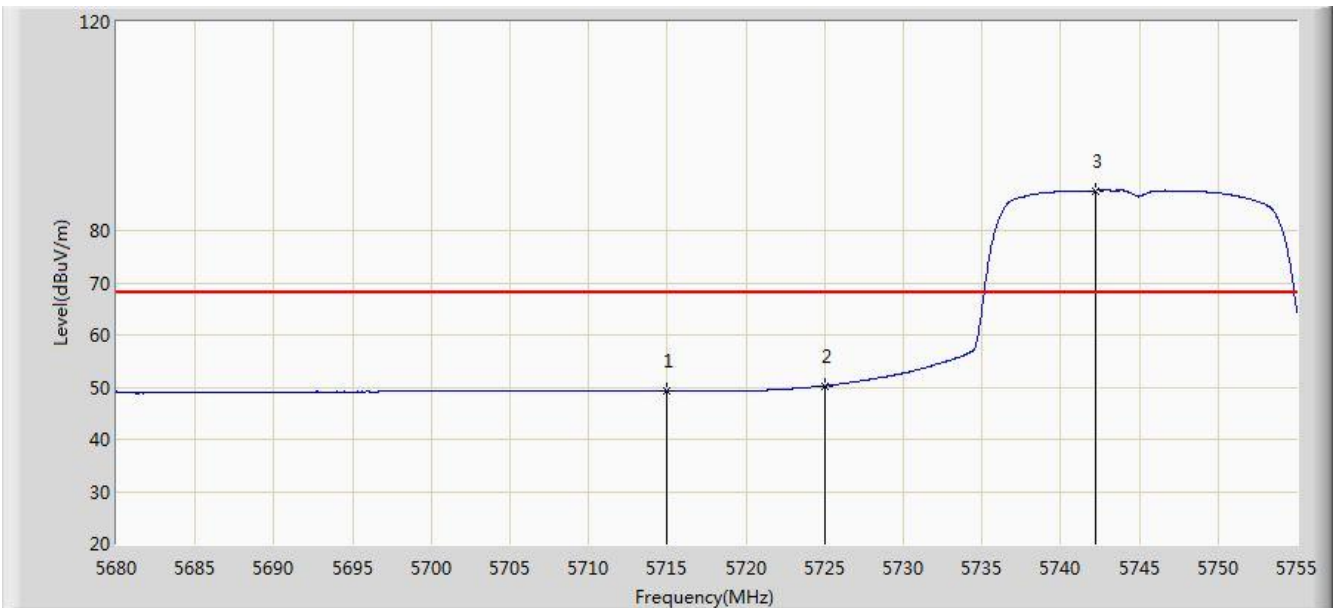


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.056	54.284	-26.144	88.200	7.772	PK
2			5724.925	68.343	60.552	-29.857	98.200	7.791	PK
3			5725.000	66.912	59.121	-31.288	98.200	7.791	PK
4		*	5739.437	101.033	93.211	N/A	N/A	7.822	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:51
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

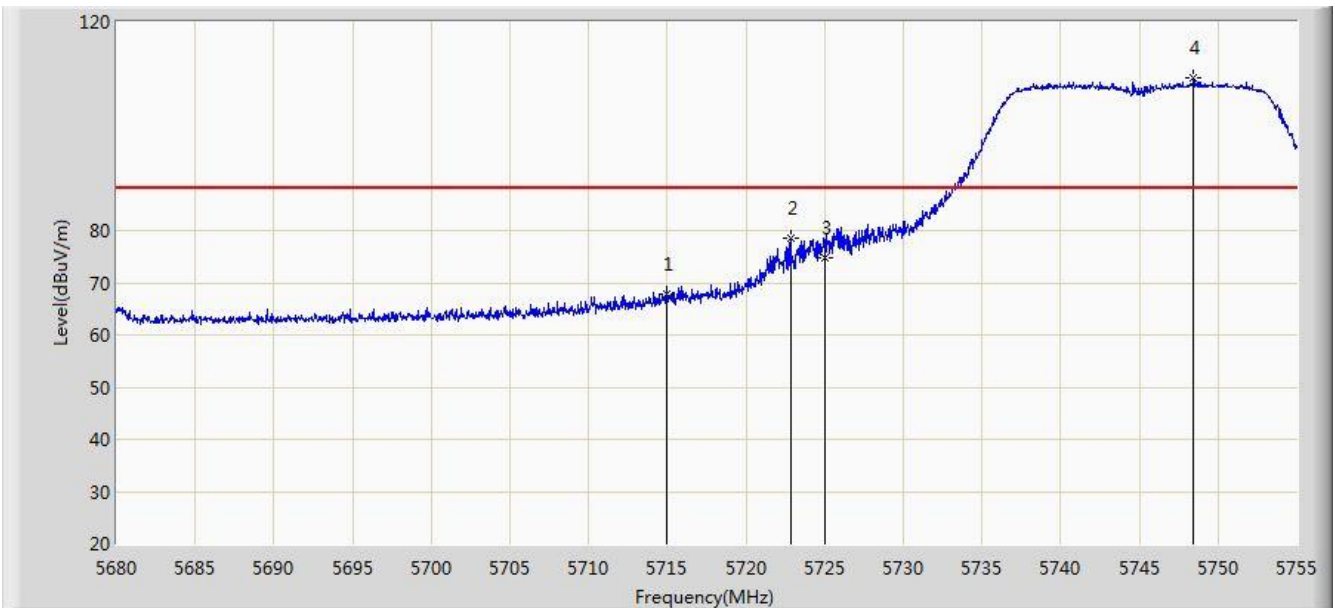


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	49.273	41.501	-18.927	68.200	7.772	AV
2			5725.000	50.271	42.480	-27.929	78.200	7.791	AV
3		*	5742.250	87.678	79.851	N/A	N/A	7.827	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:52
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	

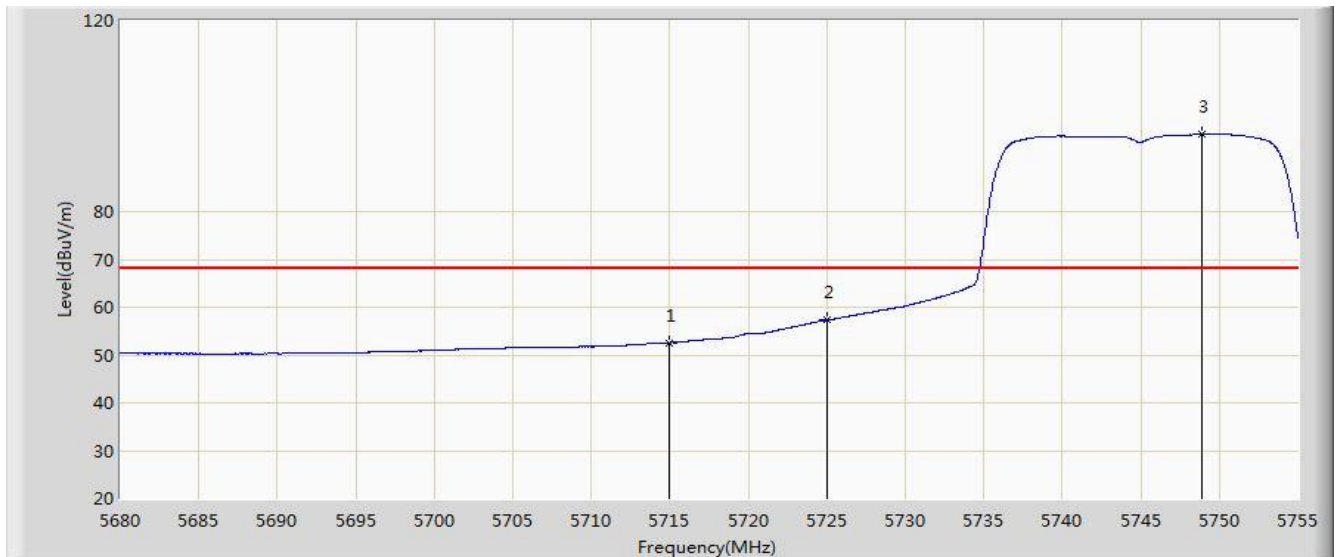


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.918	60.146	-20.282	88.200	7.772	PK
2			5722.825	78.433	70.646	-19.767	98.200	7.787	PK
3			5725.000	74.749	66.958	-23.451	98.200	7.791	PK
4		*	5748.437	109.316	101.476	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:53
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0	



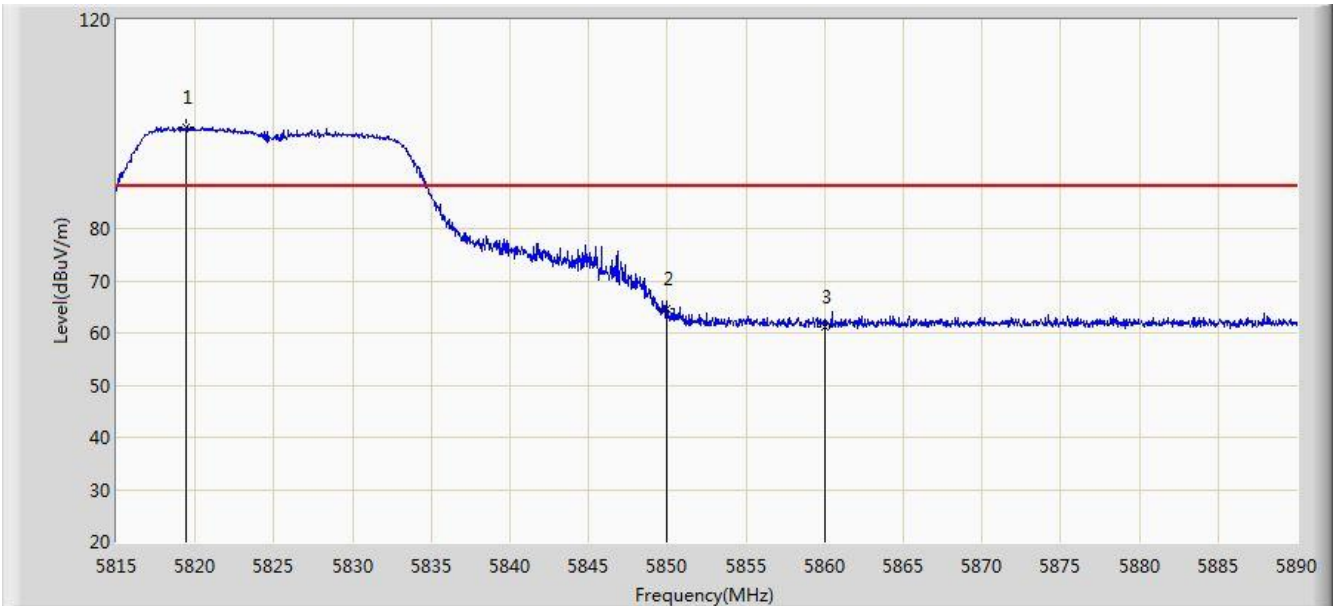
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.577	44.805	-15.623	68.200	7.772	AV
2			5725.000	57.334	49.543	-20.866	78.200	7.791	AV
3		*	5748.888	96.139	88.298	N/A	N/A	7.840	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:54
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

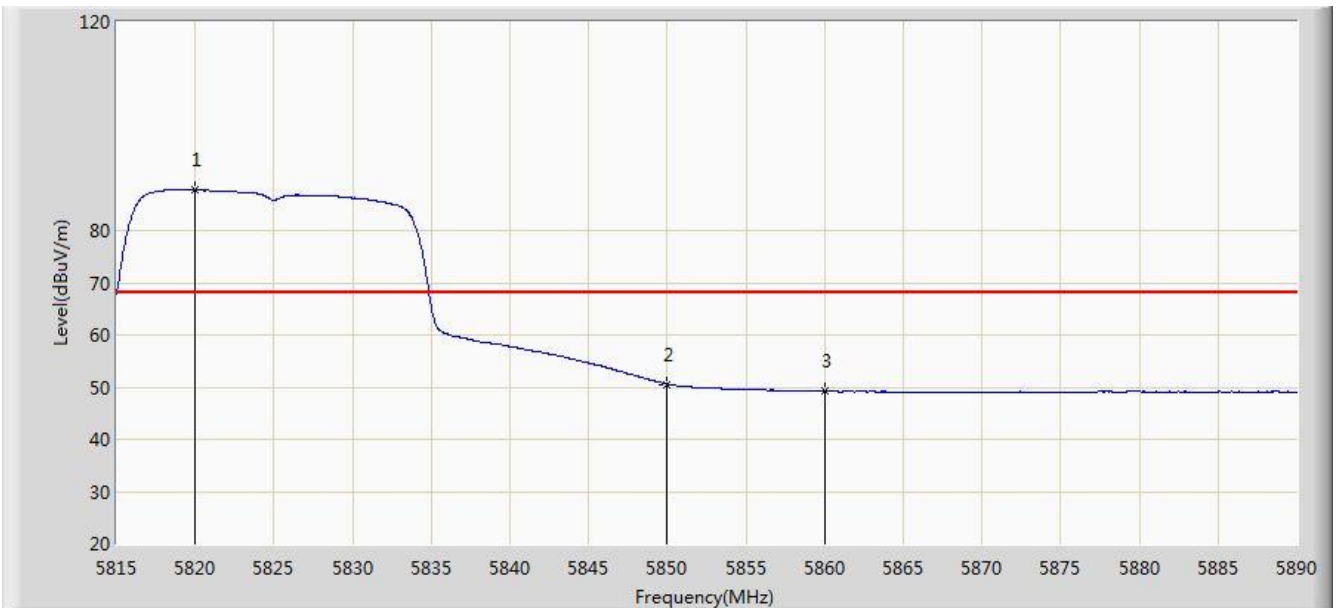


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.388	99.487	91.445	N/A	N/A	8.042	PK
2			5850.000	64.646	56.512	-33.554	98.200	8.134	PK
3			5860.000	61.222	53.033	-26.978	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:56
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

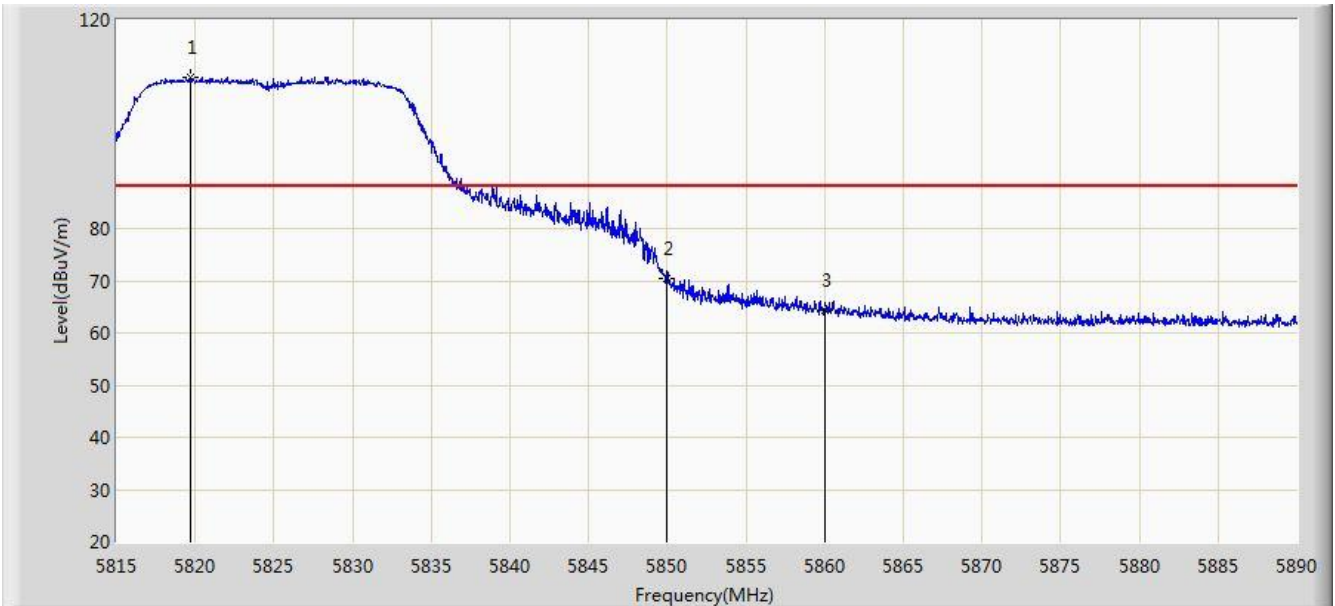


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.987	87.897	79.854	N/A	N/A	8.043	AV
2			5850.000	50.565	42.431	-27.635	78.200	8.134	AV
3			5860.000	49.199	41.010	-19.001	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:57
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

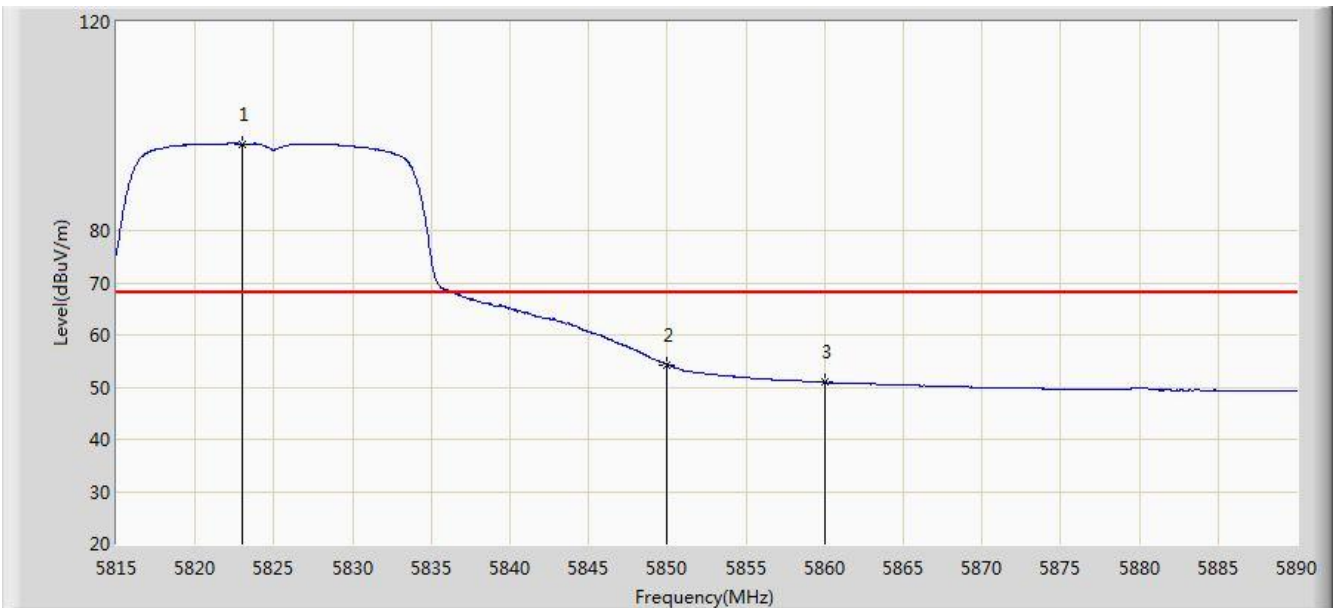


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.725	108.996	100.954	N/A	N/A	8.042	PK
2			5850.000	70.342	62.208	-27.858	98.200	8.134	PK
3			5860.000	64.389	56.200	-23.811	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:58
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0	

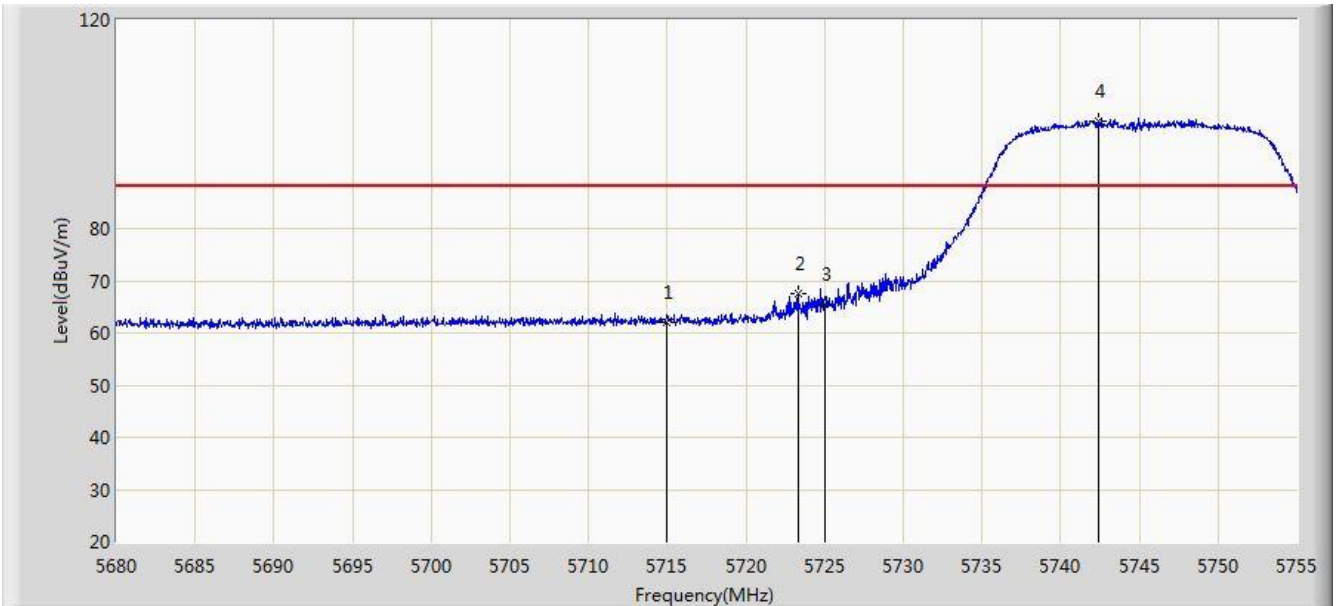


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.025	96.584	88.537	N/A	N/A	8.047	AV
2			5850.000	54.272	46.138	-23.928	78.200	8.134	AV
3			5860.000	50.907	42.718	-17.293	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 21:58
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

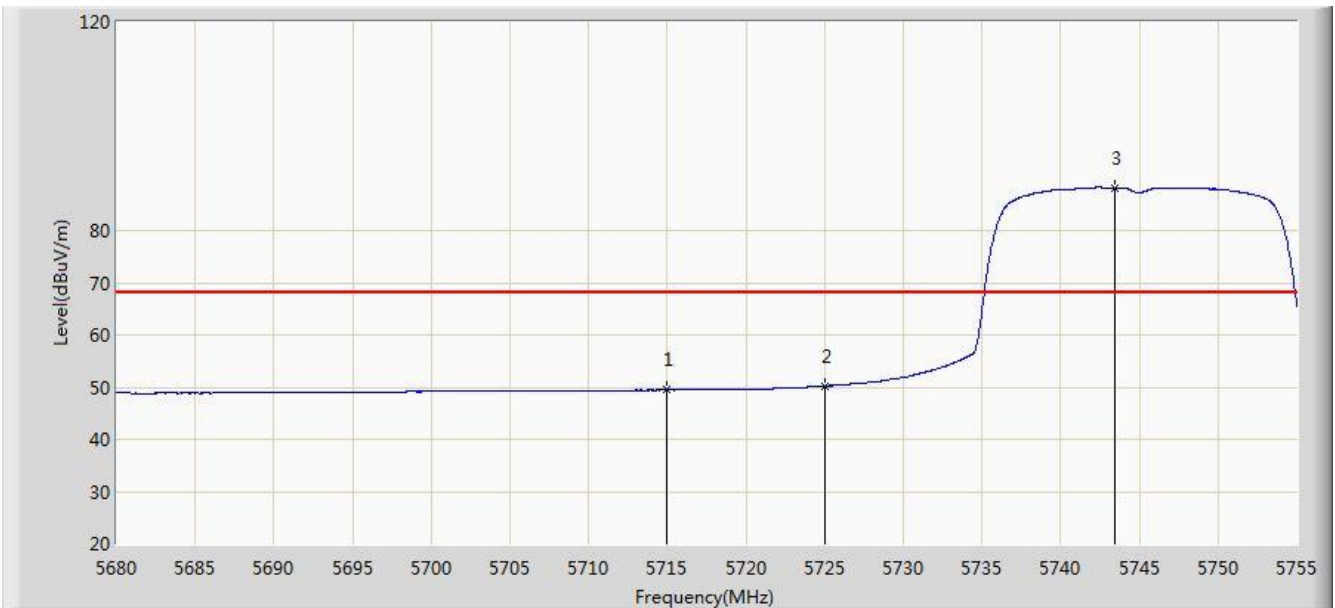


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.016	54.244	-26.184	88.200	7.772	PK
2			5723.312	67.499	59.712	-30.701	98.200	7.787	PK
3			5725.000	65.417	57.626	-32.783	98.200	7.791	PK
4		*	5742.362	100.723	92.896	N/A	N/A	7.827	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:01
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

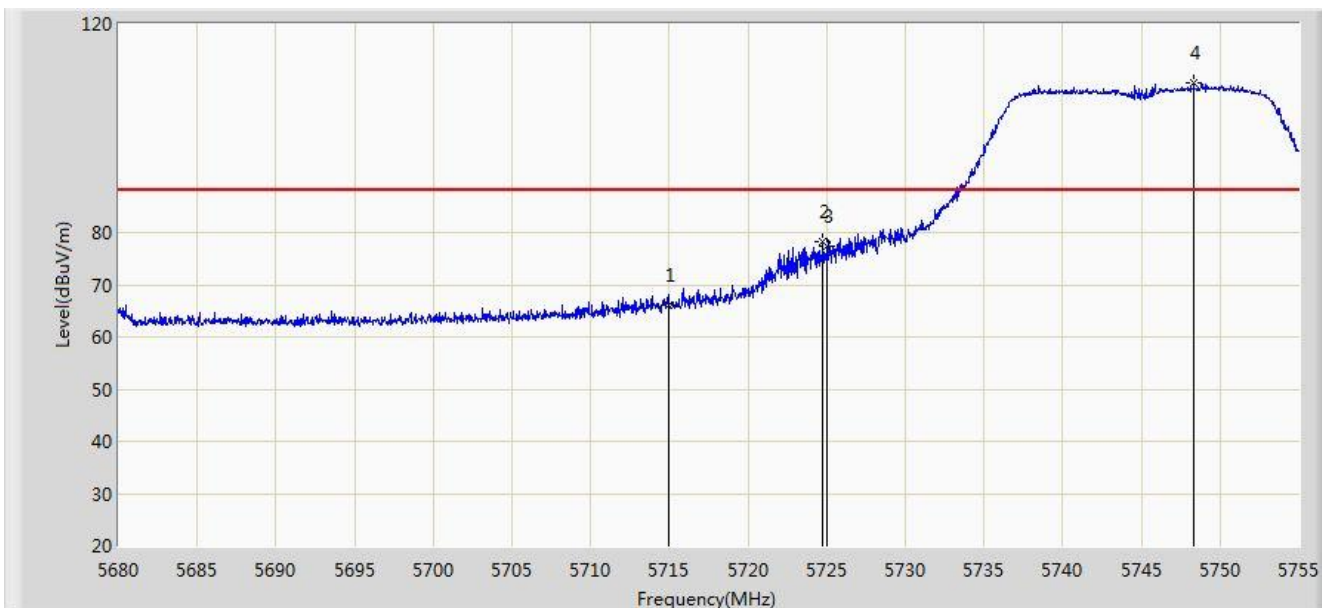


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	49.429	41.657	-18.771	68.200	7.772	AV
2			5725.000	50.224	42.433	-27.976	78.200	7.791	AV
3		*	5743.413	88.215	80.386	N/A	N/A	7.829	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:01
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	

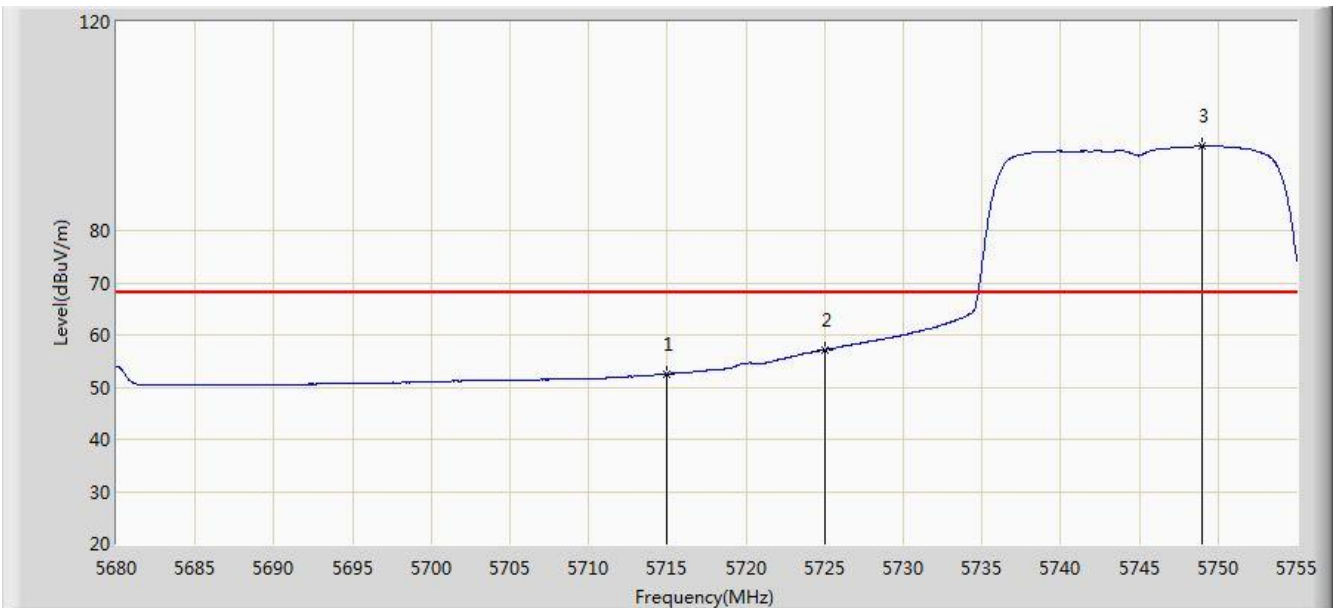


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.002	58.230	-22.198	88.200	7.772	PK
2			5724.737	78.272	70.482	-19.928	98.200	7.790	PK
3			5725.000	77.352	69.561	-20.848	98.200	7.791	PK
4		*	5748.325	108.638	100.798	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:03
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 1	



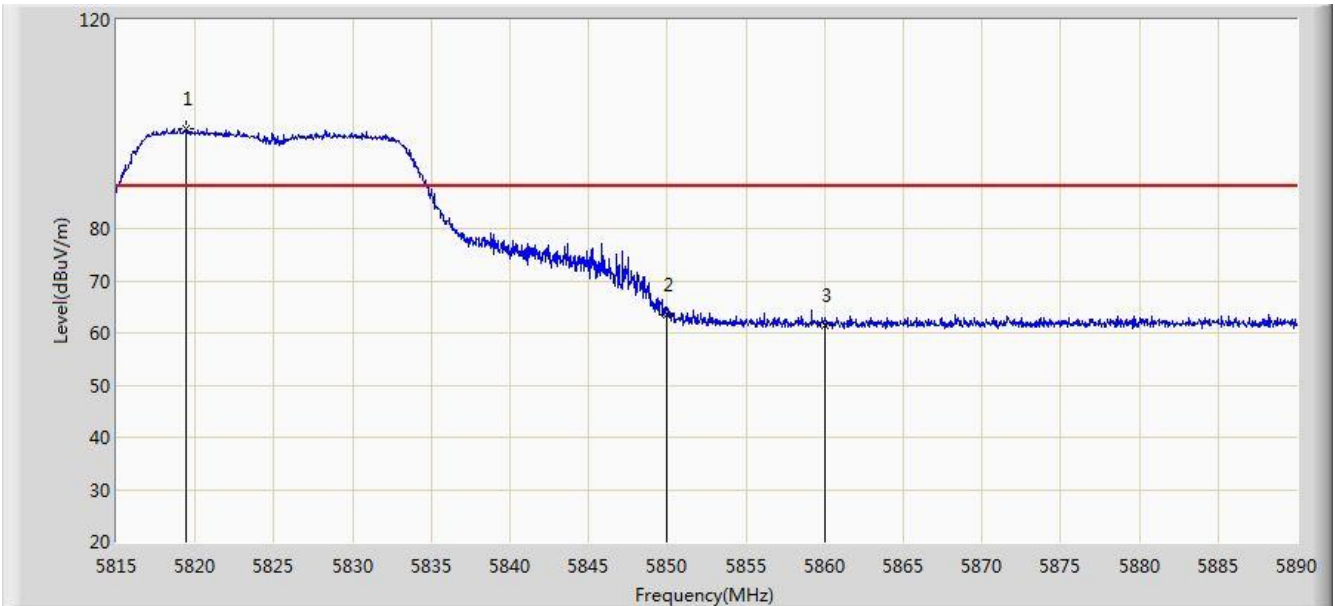
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	52.508	44.736	-15.692	68.200	7.772	AV
2			5725.000	57.233	49.442	-20.967	78.200	7.791	AV
3		*	5749.000	96.189	88.348	N/A	N/A	7.842	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:04
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

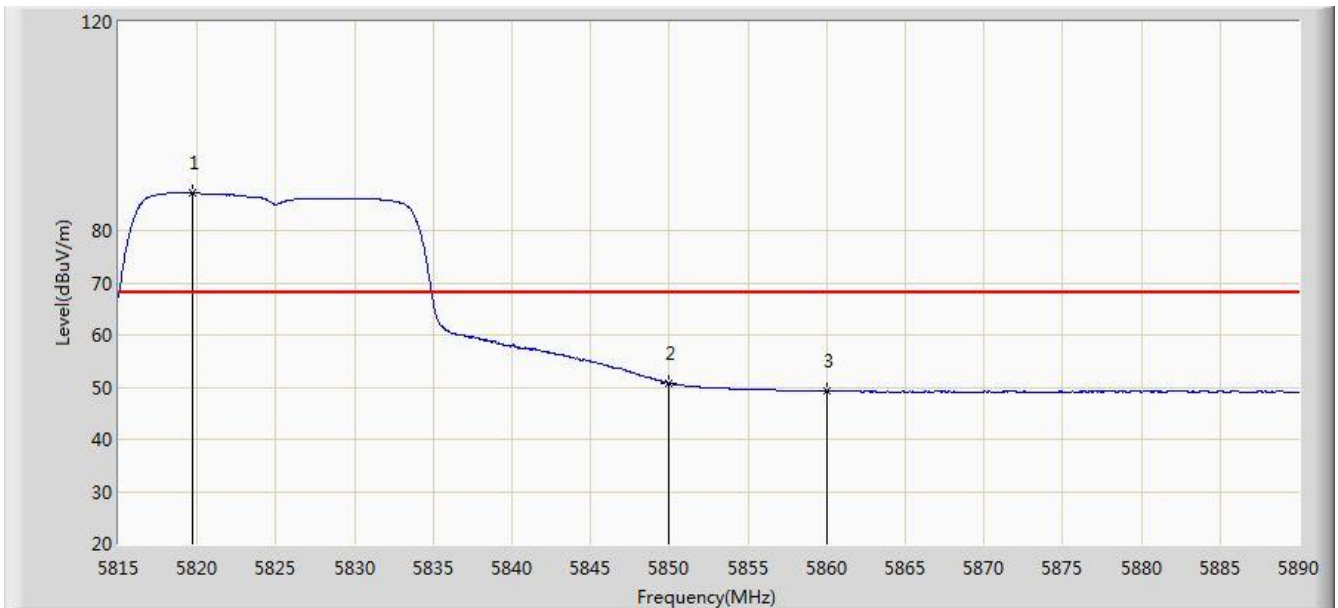


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.462	99.144	91.102	N/A	N/A	8.042	PK
2			5850.000	63.404	55.270	-34.796	98.200	8.134	PK
3			5860.000	61.515	53.326	-26.685	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:05
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

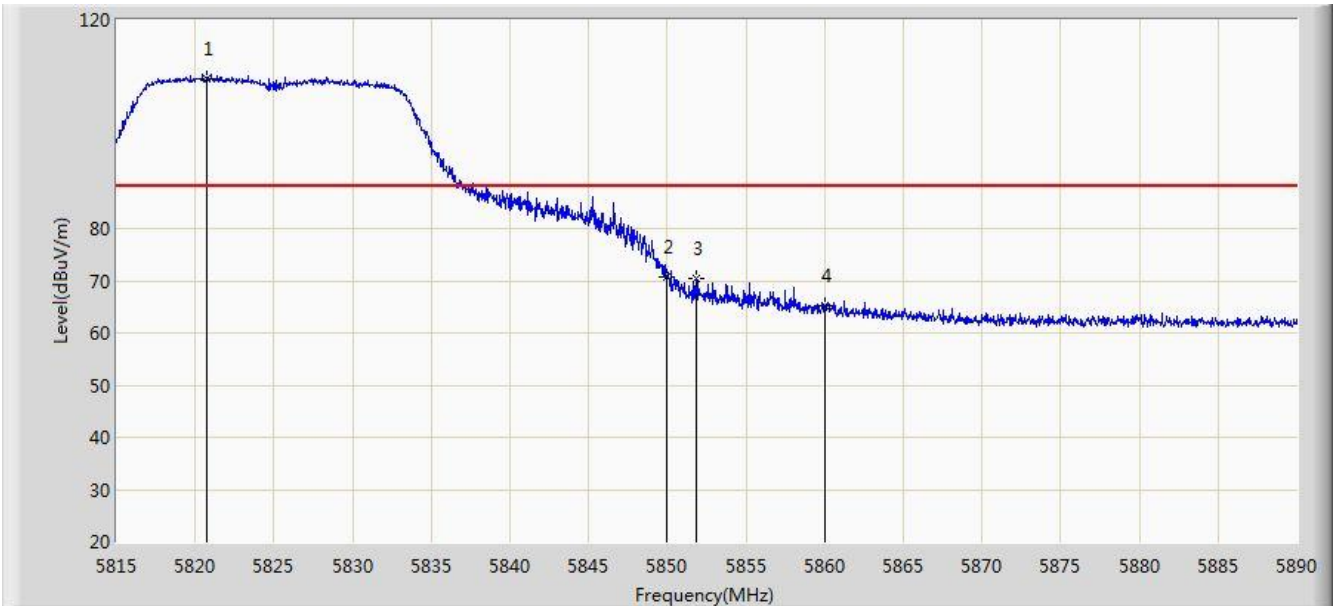


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.725	87.280	79.238	N/A	N/A	8.042	AV
2			5850.000	50.777	42.643	-27.423	78.200	8.134	AV
3			5860.000	49.233	41.044	-18.967	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:06
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

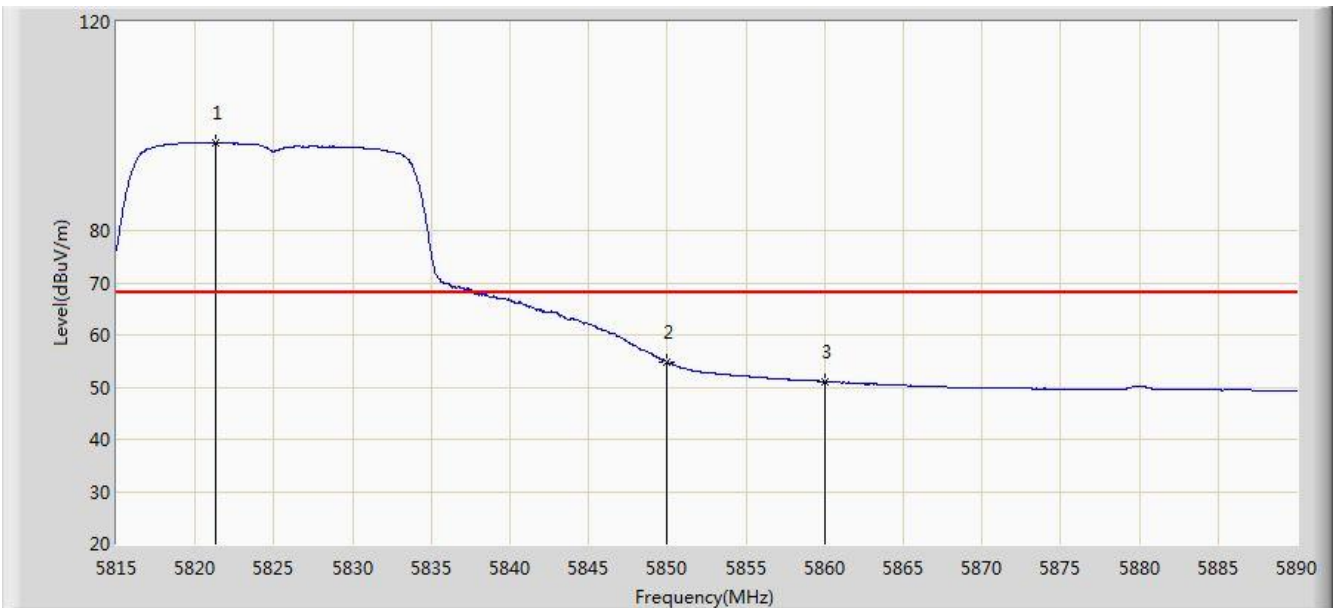


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5820.700	108.788	100.744	N/A	N/A	8.044	PK
2			5850.000	70.638	62.504	-27.562	98.200	8.134	PK
3			5851.862	70.383	62.239	-27.817	98.200	8.144	PK
4			5860.000	65.284	57.095	-22.916	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:07
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 1	

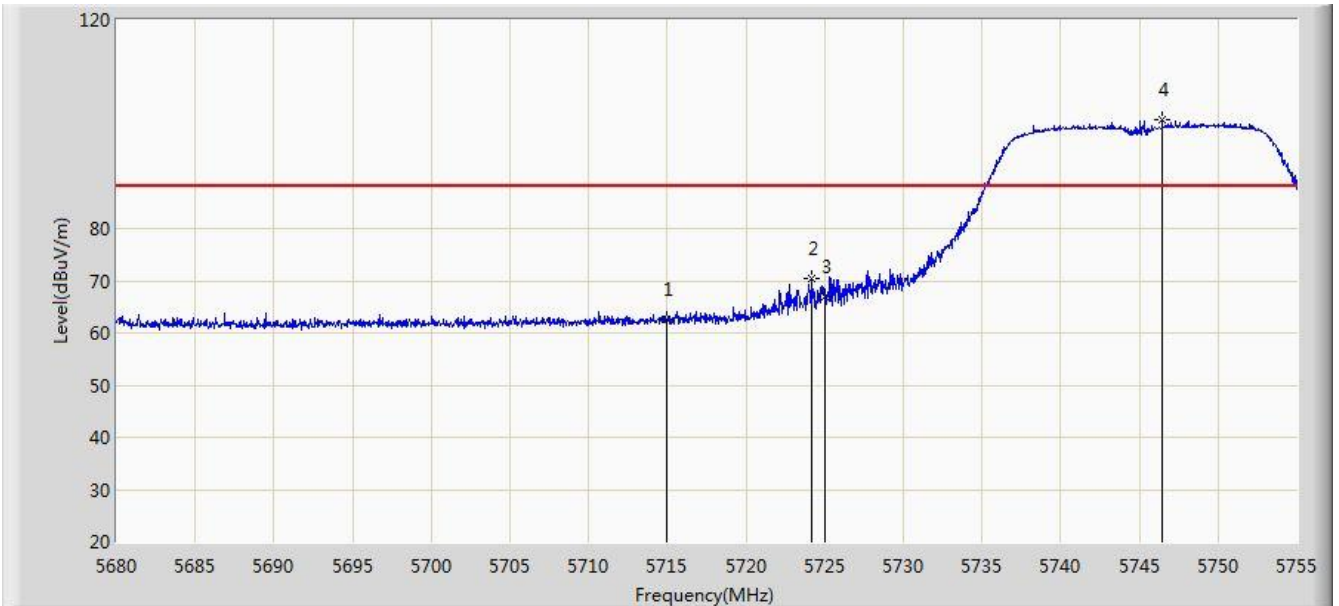


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.263	96.773	88.728	N/A	N/A	8.044	AV
2			5850.000	54.776	46.642	-23.424	78.200	8.134	AV
3			5860.000	51.071	42.882	-17.129	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:08
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

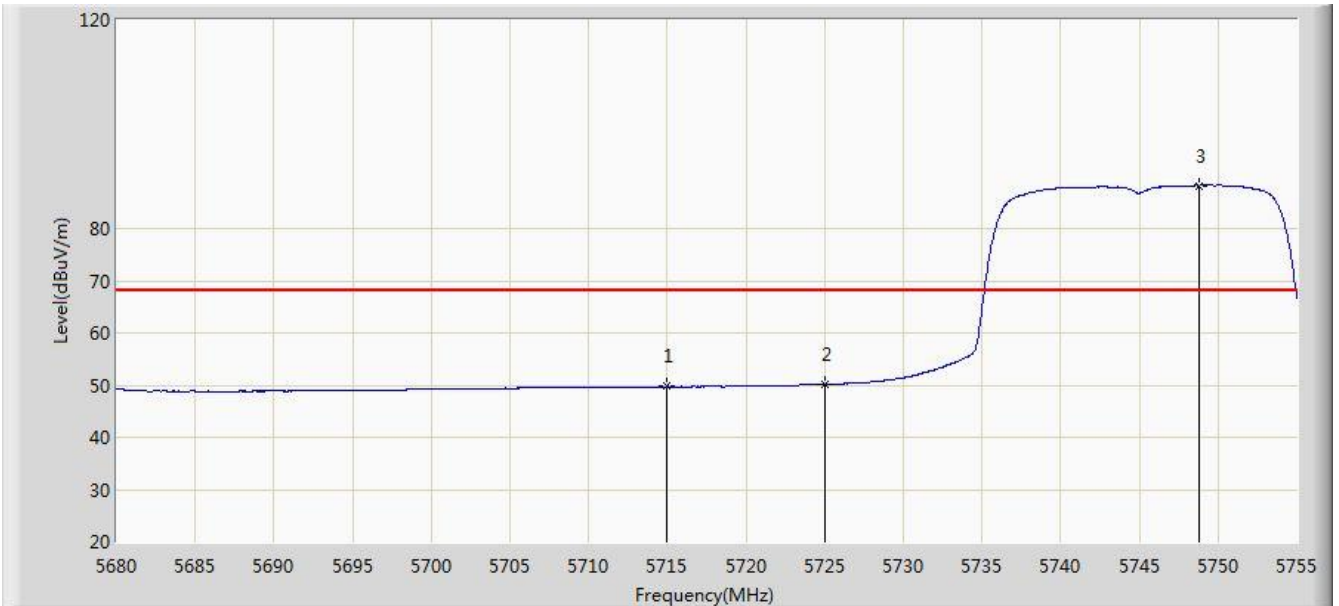


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	62.571	54.799	-25.629	88.200	7.772	PK
2			5724.212	70.566	62.777	-27.634	98.200	7.789	PK
3			5725.000	66.854	59.063	-31.346	98.200	7.791	PK
4		*	5746.450	100.844	93.008	N/A	N/A	7.836	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:10
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

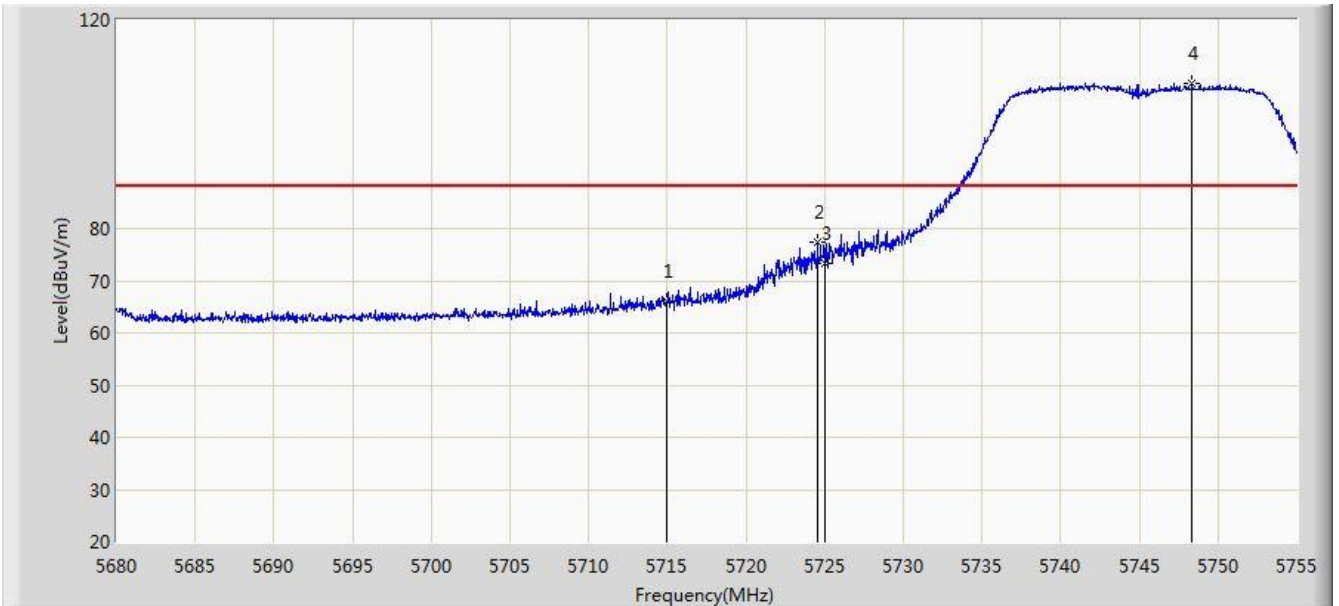


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	49.712	41.940	-18.488	68.200	7.772	AV
2			5725.000	50.166	42.375	-28.034	78.200	7.791	AV
3		*	5748.775	88.259	80.418	N/A	N/A	7.840	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:11
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	

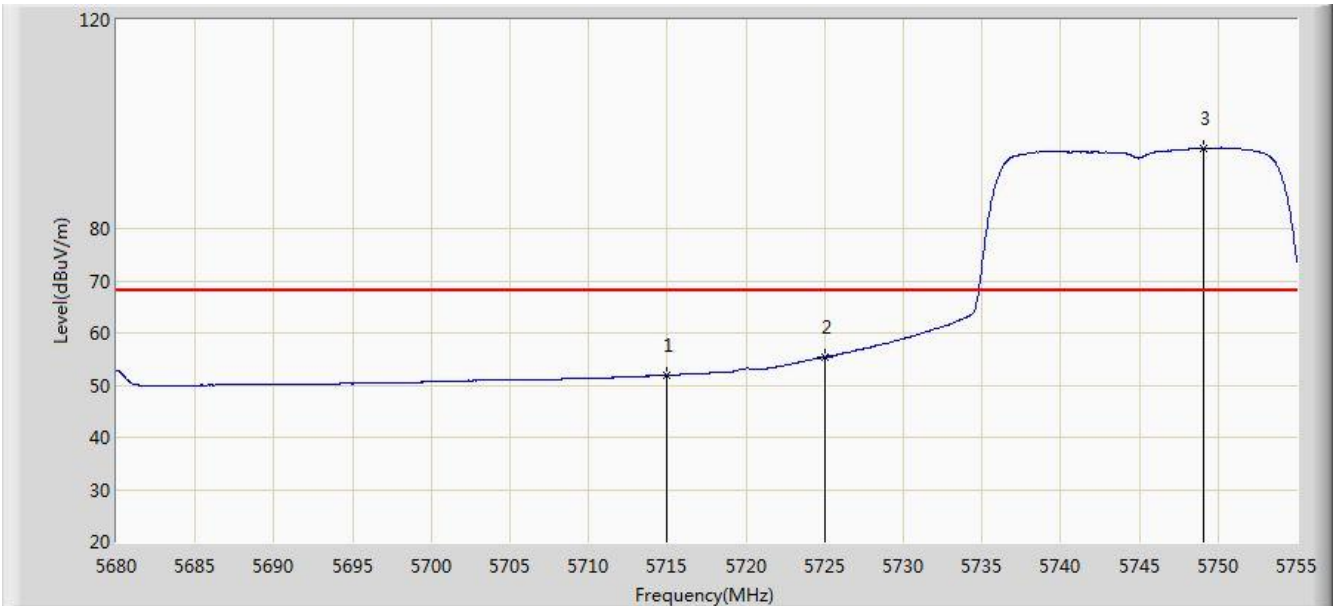


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.118	58.346	-22.082	88.200	7.772	PK
2			5724.550	77.288	69.498	-20.912	98.200	7.790	PK
3			5725.000	73.327	65.536	-24.873	98.200	7.791	PK
4		*	5748.325	107.737	99.897	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:13
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1	



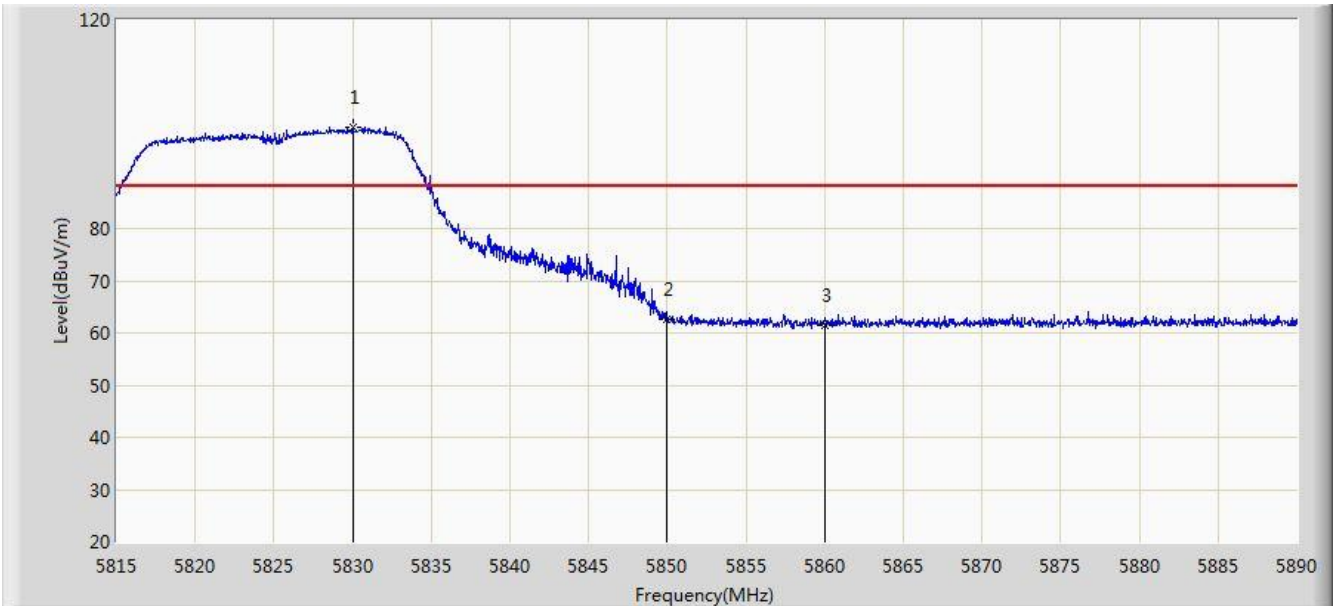
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.927	44.155	-16.273	68.200	7.772	AV
2			5725.000	55.385	47.594	-22.815	78.200	7.791	AV
3		*	5749.112	95.375	87.534	N/A	N/A	7.841	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:14
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

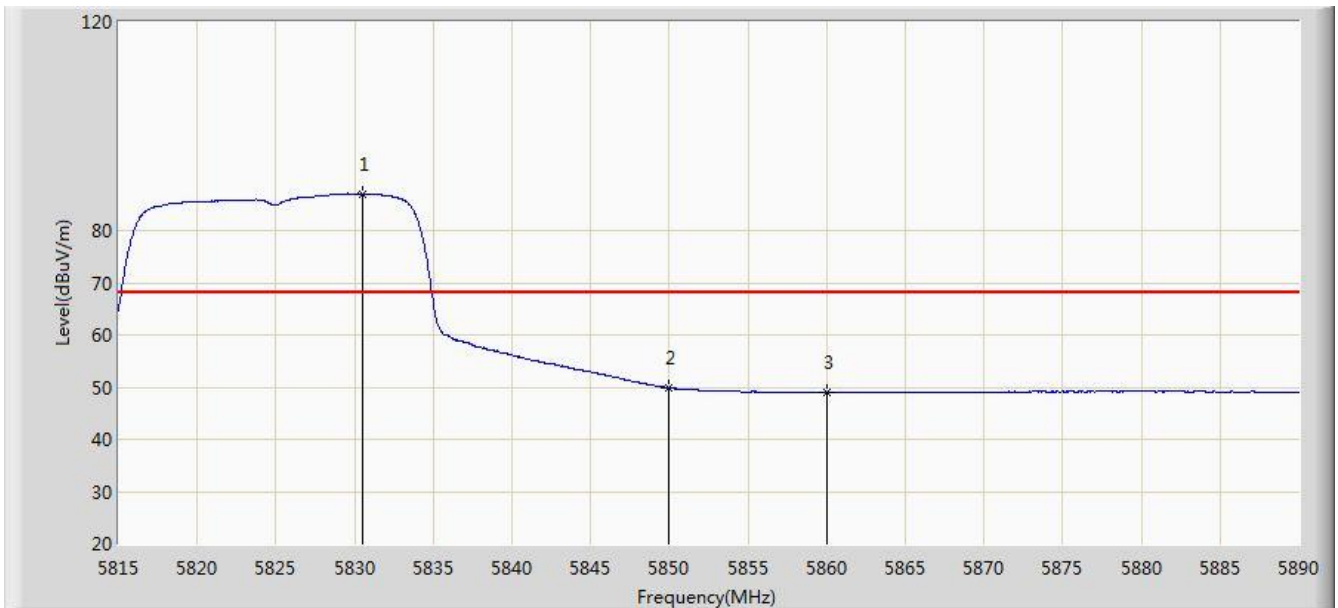


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.038	99.398	91.337	N/A	N/A	8.061	PK
2			5850.000	62.576	54.442	-35.624	98.200	8.134	PK
3			5860.000	61.558	53.369	-26.642	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:16
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

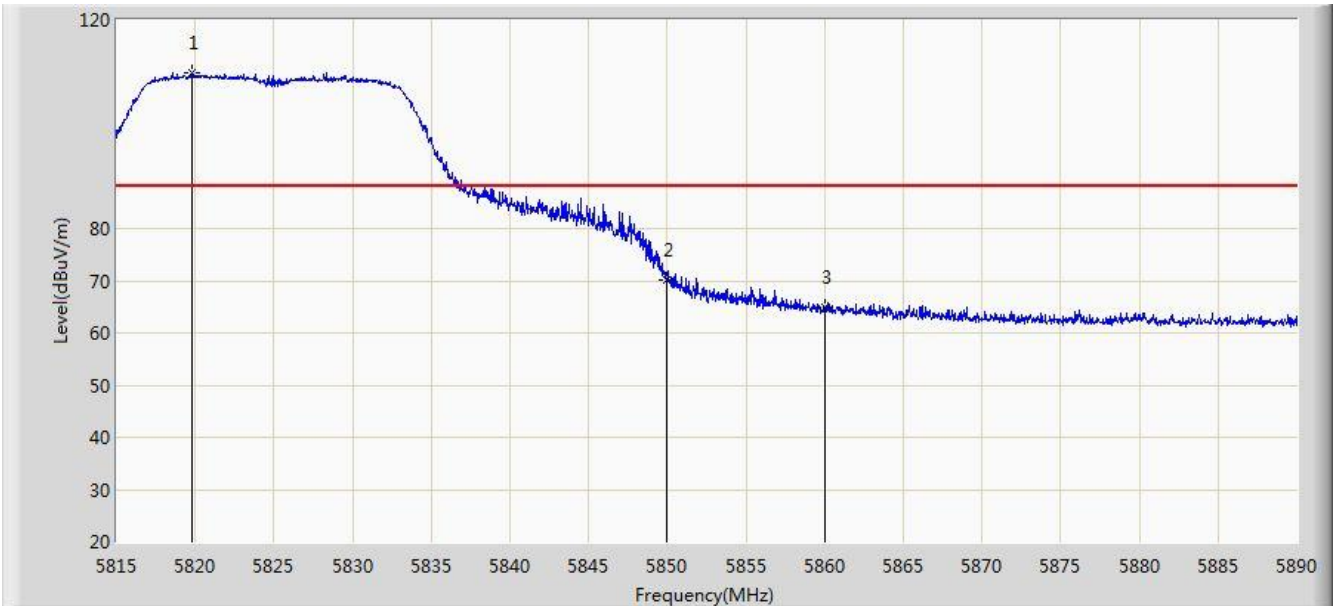


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5830.487	86.983	78.920	N/A	N/A	8.062	AV
2			5850.000	49.824	41.690	-28.376	78.200	8.134	AV
3			5860.000	49.016	40.827	-19.184	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:17
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

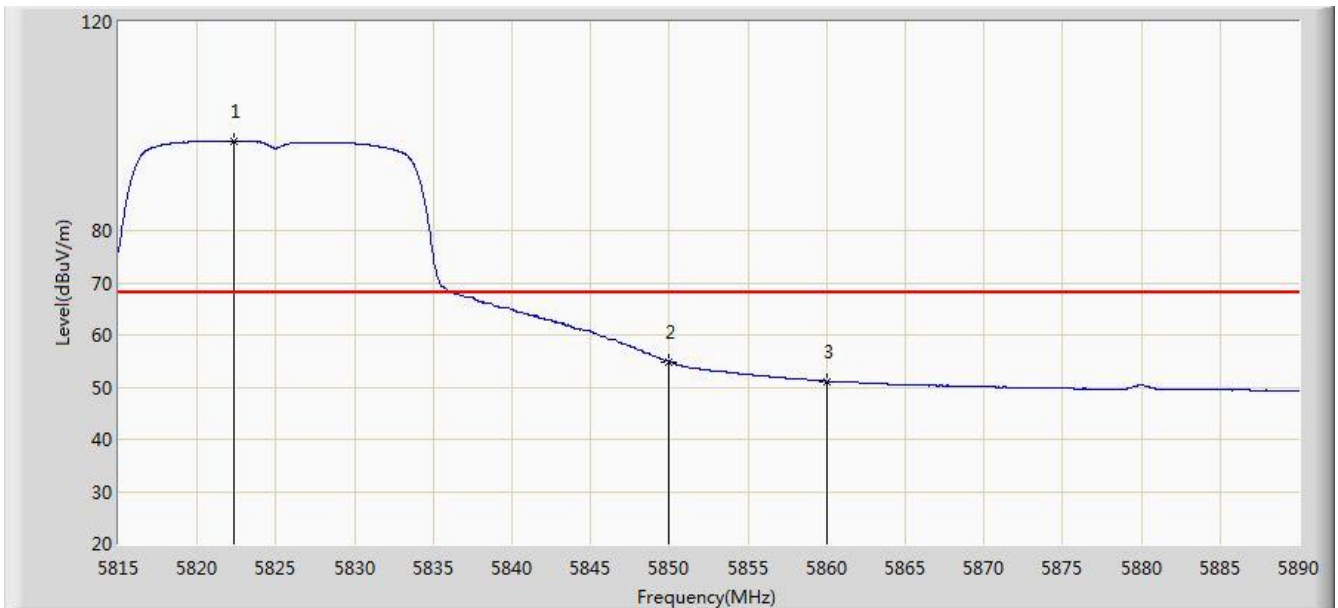


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5819.763	109.837	101.795	N/A	N/A	8.042	PK
2			5850.000	70.037	61.903	-28.163	98.200	8.134	PK
3			5860.000	64.822	56.633	-23.378	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:18
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1	

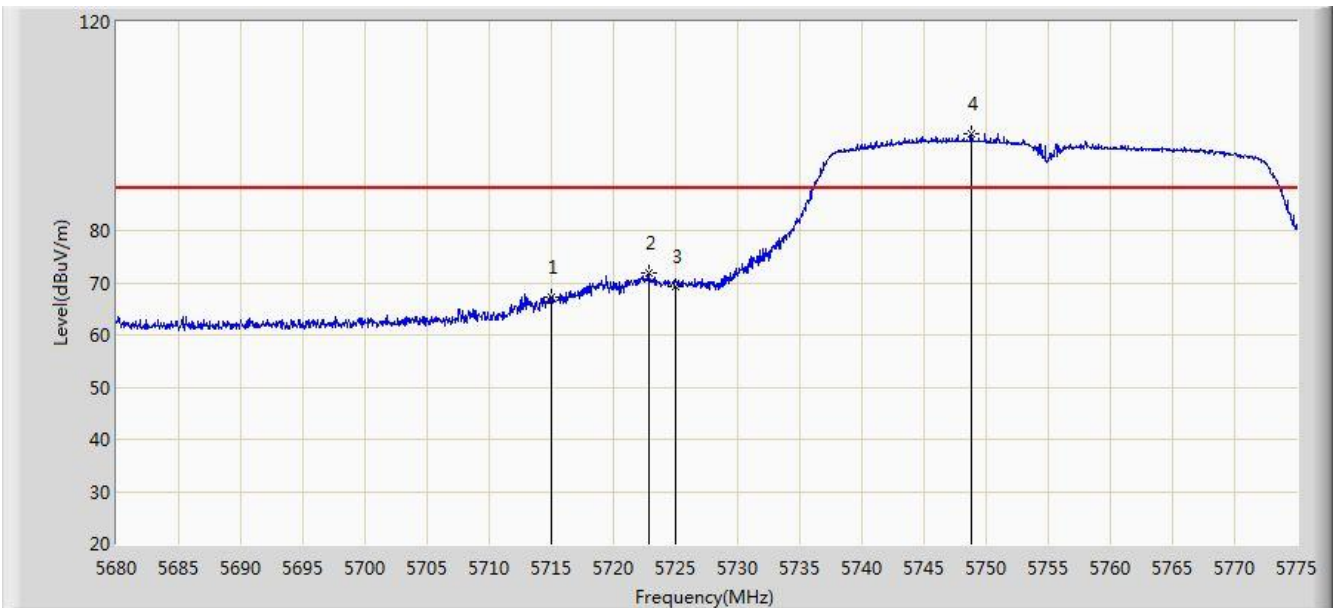


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.312	97.209	89.163	N/A	N/A	8.046	AV
2			5850.000	54.909	46.775	-23.291	78.200	8.134	AV
3			5860.000	51.125	42.936	-17.075	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:20
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

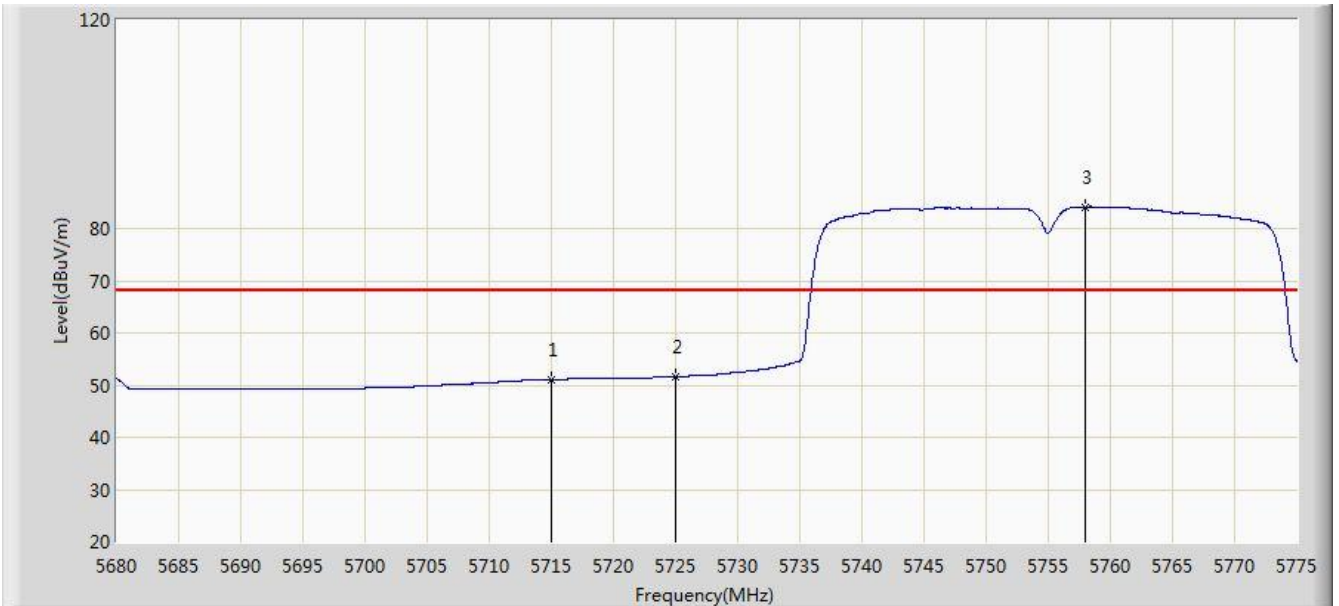


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	67.242	59.470	-20.958	88.200	7.772	PK
2			5722.845	71.812	64.025	-26.388	98.200	7.787	PK
3			5725.000	69.350	61.559	-28.850	98.200	7.791	PK
4		*	5748.780	98.433	90.592	N/A	N/A	7.840	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:24
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

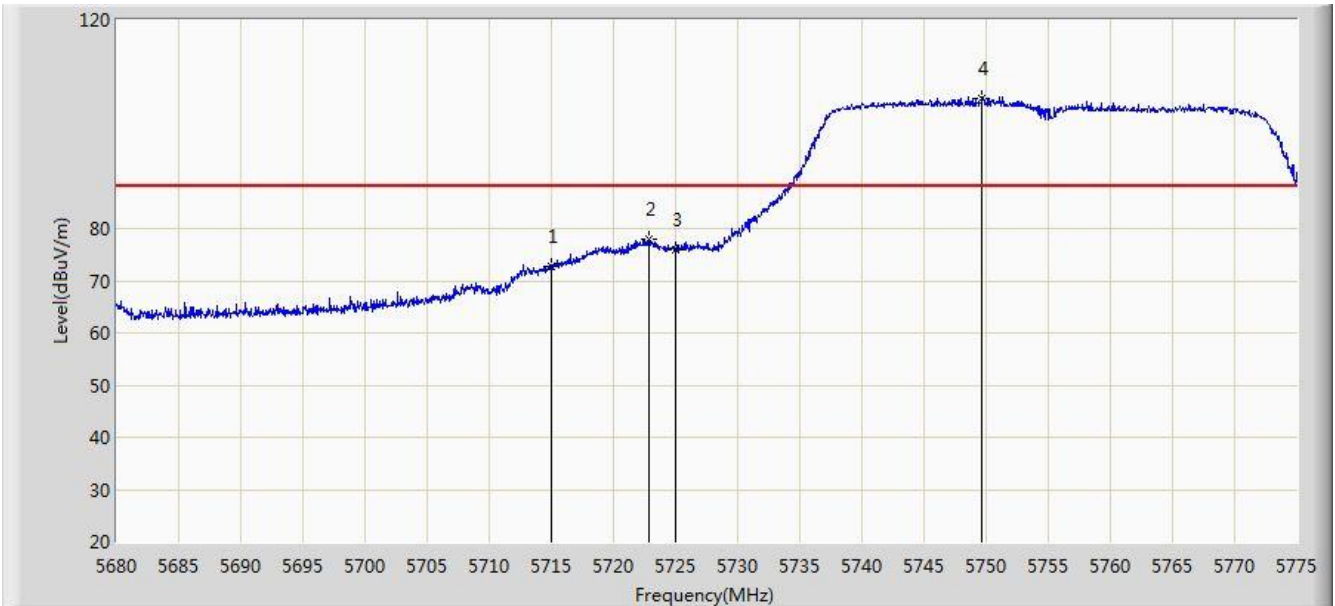


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.044	43.272	-17.156	68.200	7.772	AV
2			5725.000	51.528	43.737	-26.672	78.200	7.791	AV
3		*	5757.995	84.132	76.273	N/A	N/A	7.860	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:25
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	

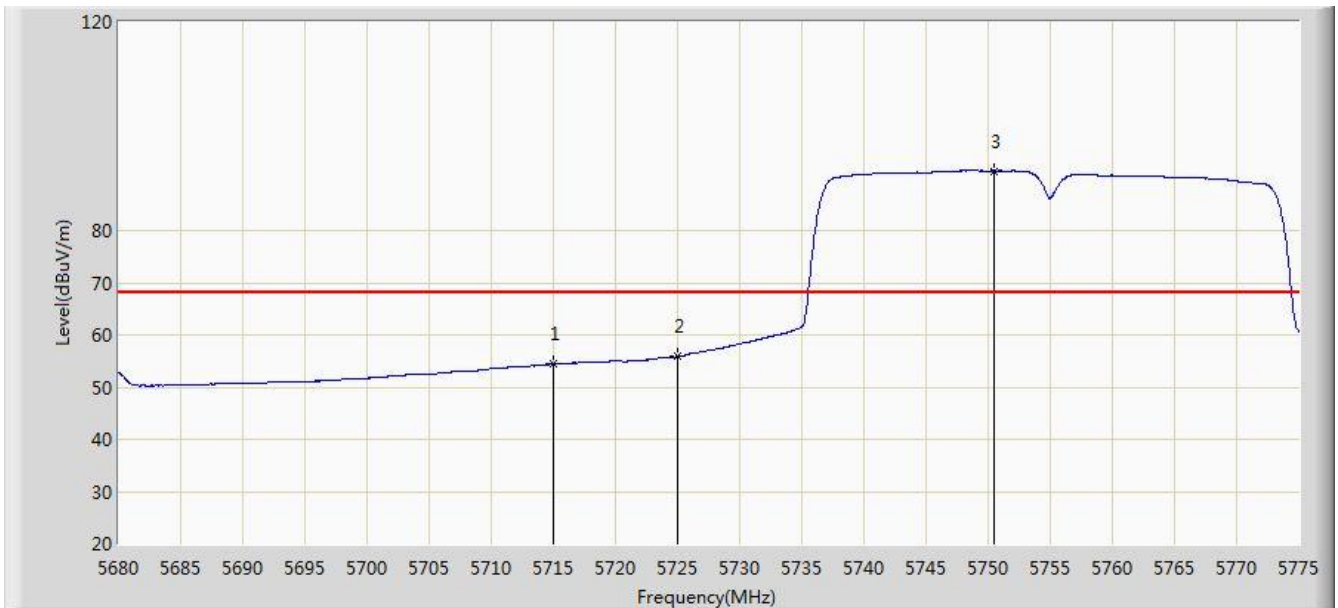


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.833	65.061	-15.367	88.200	7.772	PK
2			5722.845	77.996	70.209	-20.204	98.200	7.787	PK
3			5725.000	76.003	68.212	-22.197	98.200	7.791	PK
4		*	5749.635	105.057	97.215	N/A	N/A	7.843	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:27
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0	



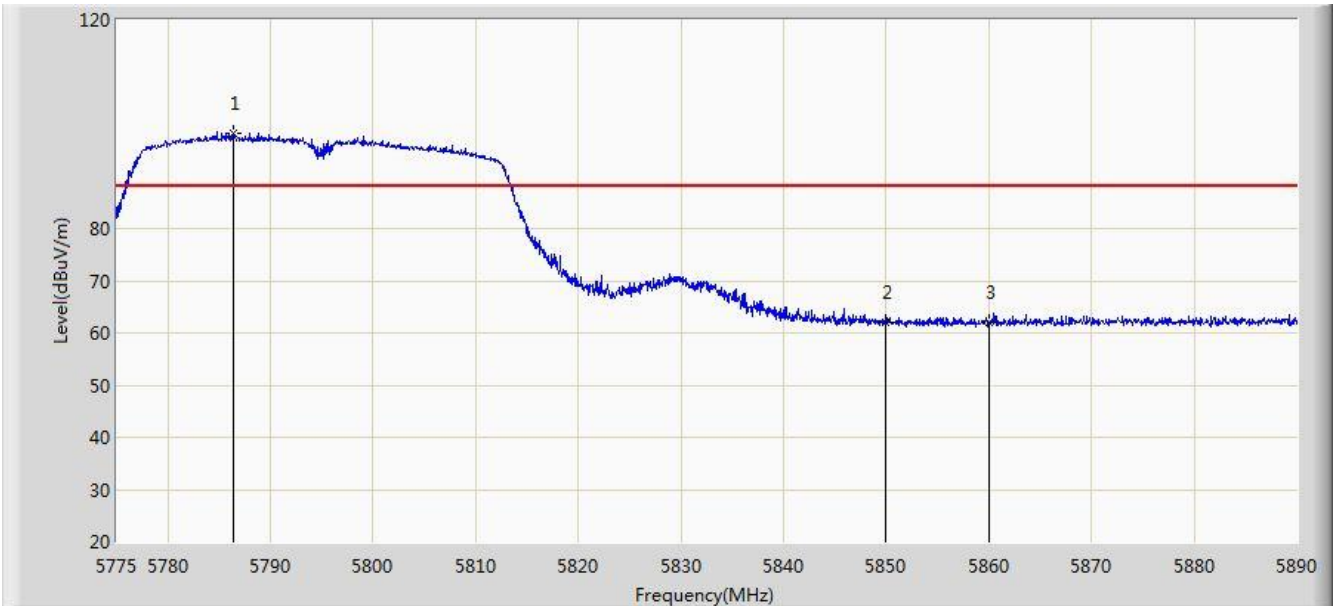
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	54.399	46.627	-13.801	68.200	7.772	AV
2			5725.000	55.875	48.084	-22.325	78.200	7.791	AV
3		*	5750.442	91.430	83.586	N/A	N/A	7.844	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:29
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

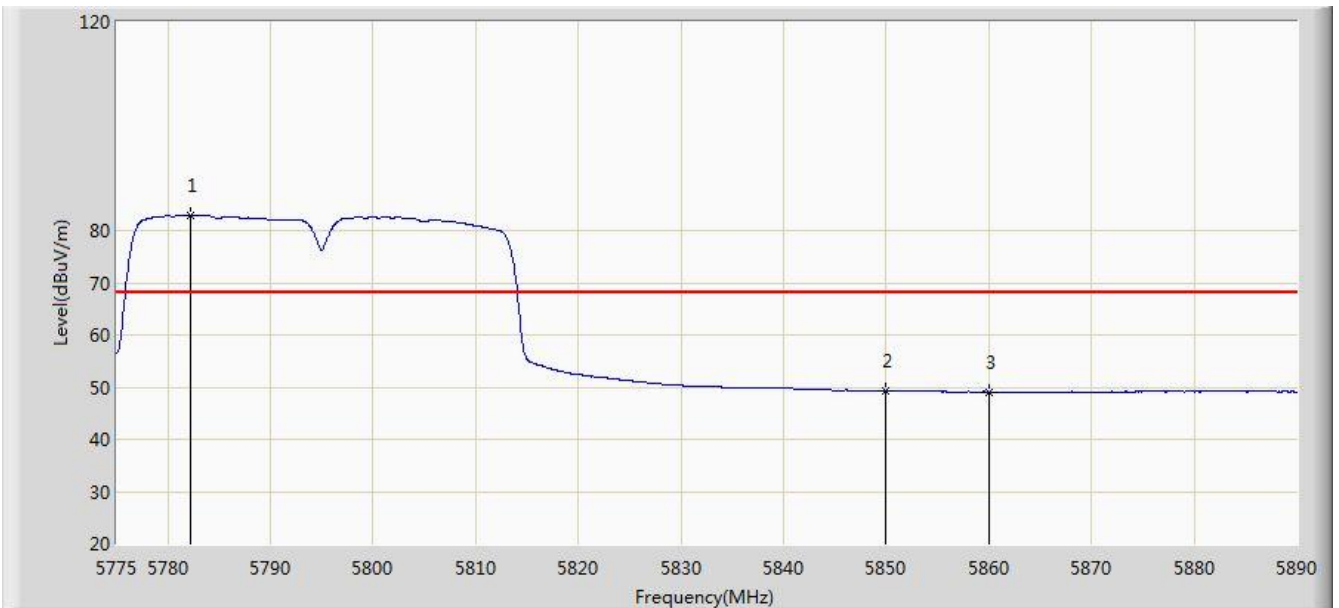


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5786.328	98.227	90.275	N/A	N/A	7.953	PK
2			5850.000	62.136	54.002	-36.064	98.200	8.134	PK
3			5860.000	62.020	53.831	-26.180	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:31
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

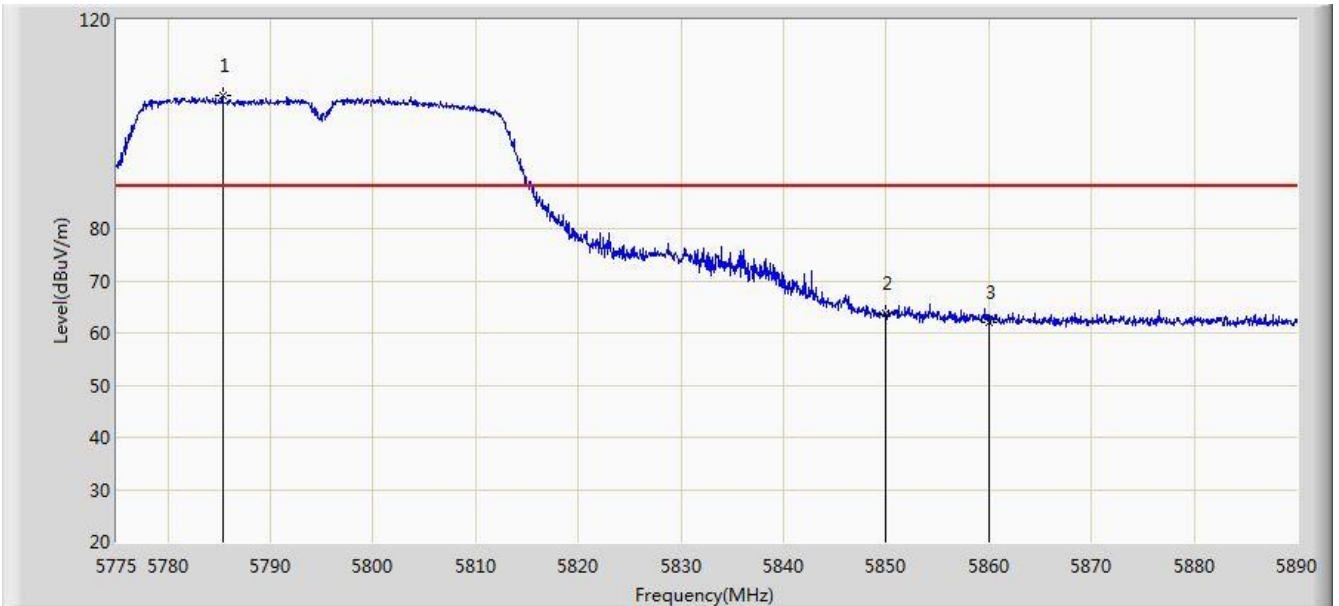


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.187	82.924	74.987	N/A	N/A	7.937	AV
2			5850.000	49.272	41.138	-28.928	78.200	8.134	AV
3			5860.000	49.068	40.879	-19.132	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:32
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

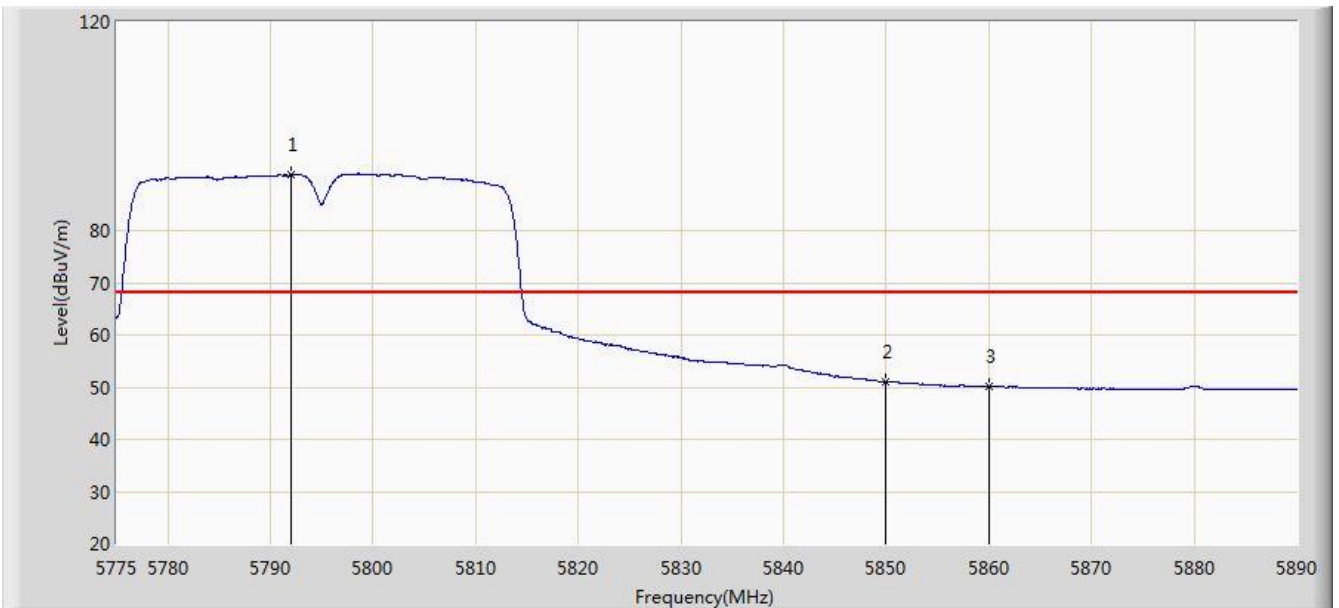


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.350	105.379	97.430	N/A	N/A	7.949	PK
2			5850.000	63.712	55.578	-34.488	98.200	8.134	PK
3			5860.000	62.123	53.934	-26.077	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:33
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0	

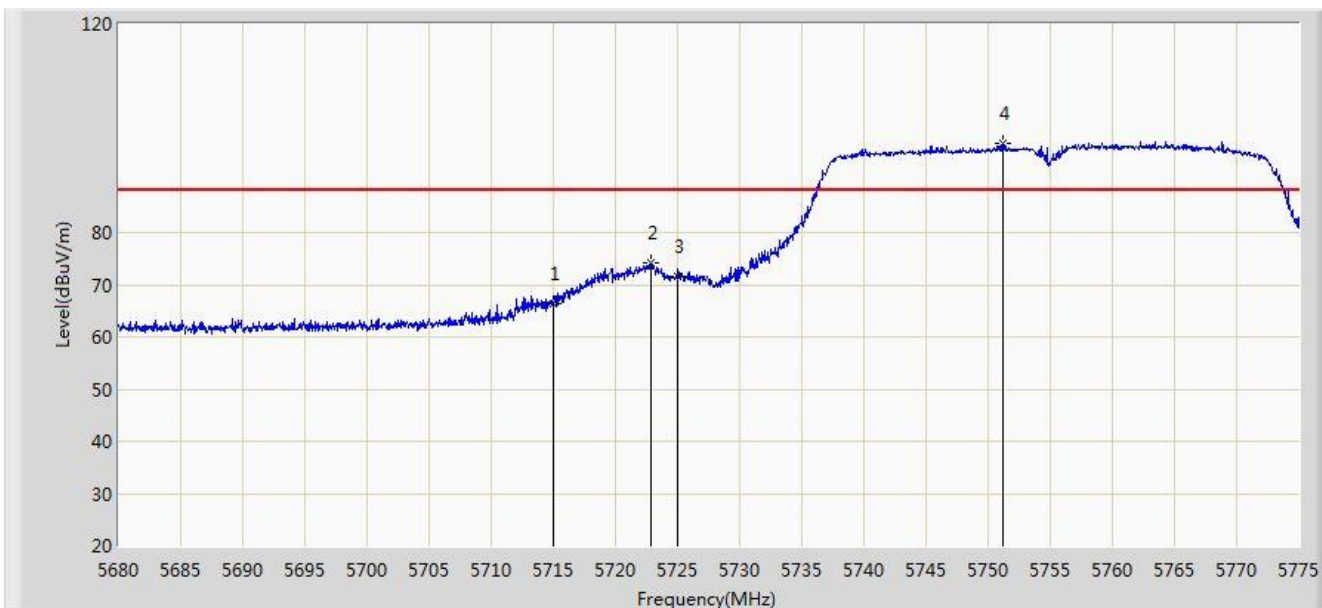


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.962	90.652	82.679	N/A	N/A	7.974	AV
2			5850.000	51.050	42.916	-27.150	78.200	8.134	AV
3			5860.000	50.068	41.879	-18.132	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:34
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

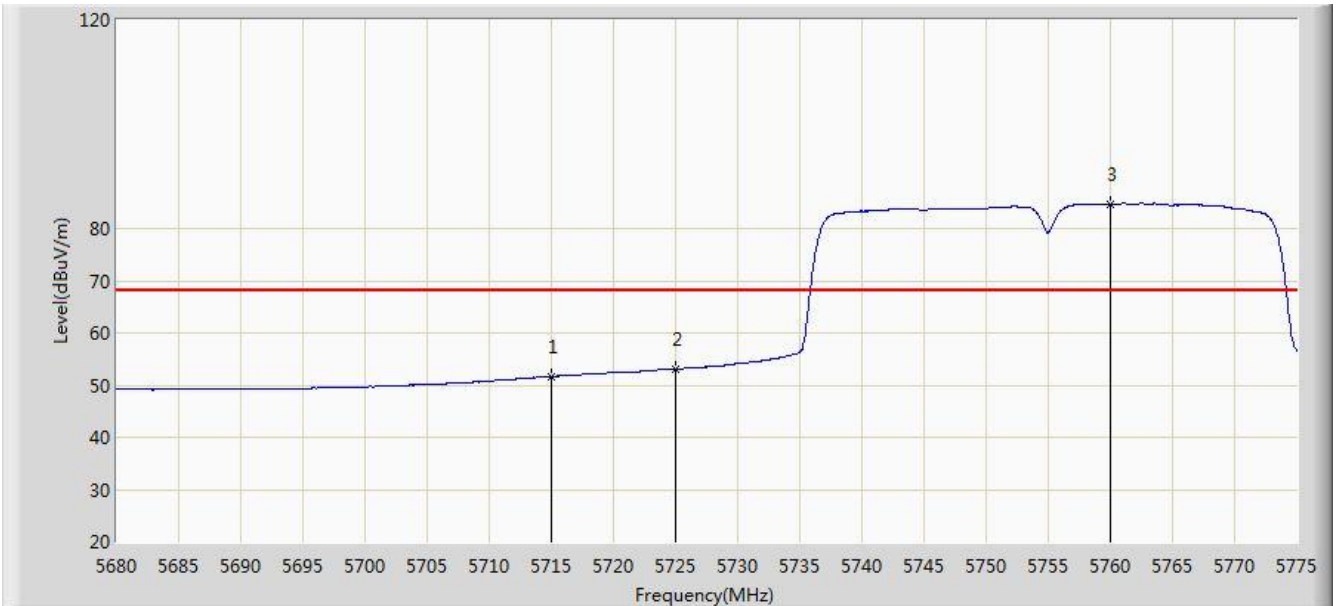


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	66.382	58.610	-21.818	88.200	7.772	PK
2			5722.845	74.289	66.502	-23.911	98.200	7.787	PK
3			5725.000	71.459	63.668	-26.741	98.200	7.791	PK
4		*	5751.203	97.155	89.309	N/A	N/A	7.846	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:36
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

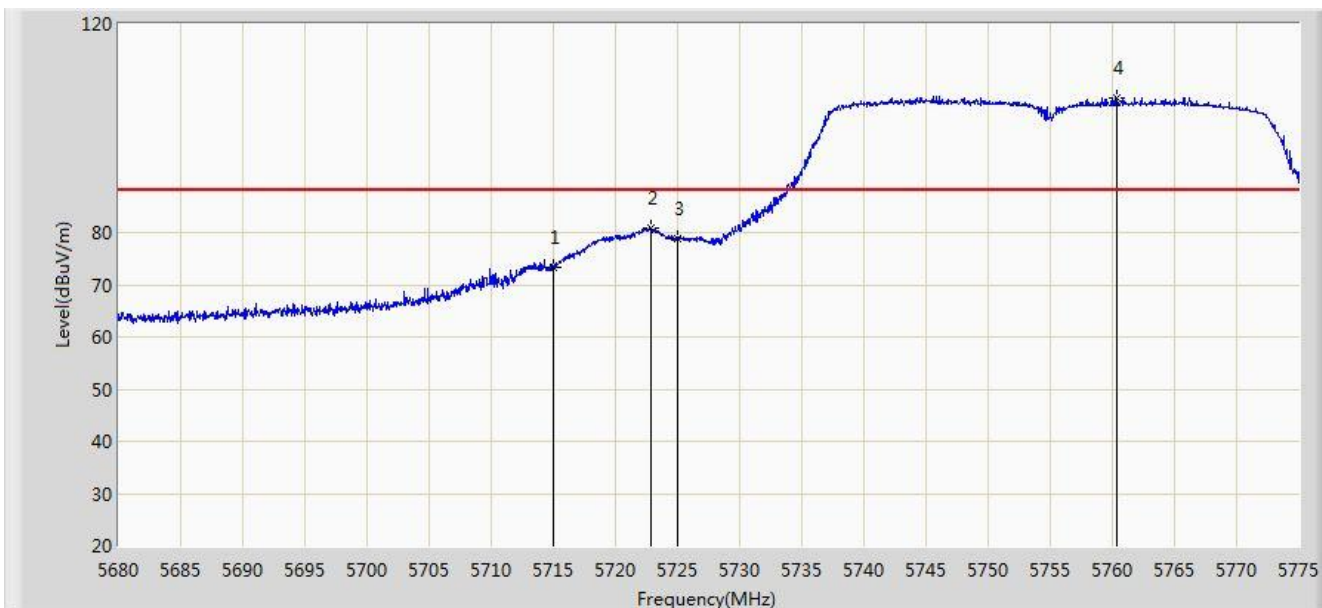


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.601	43.829	-16.599	68.200	7.772	AV
2			5725.000	53.064	45.273	-25.136	78.200	7.791	AV
3		*	5759.990	84.755	76.893	N/A	N/A	7.862	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:36
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	

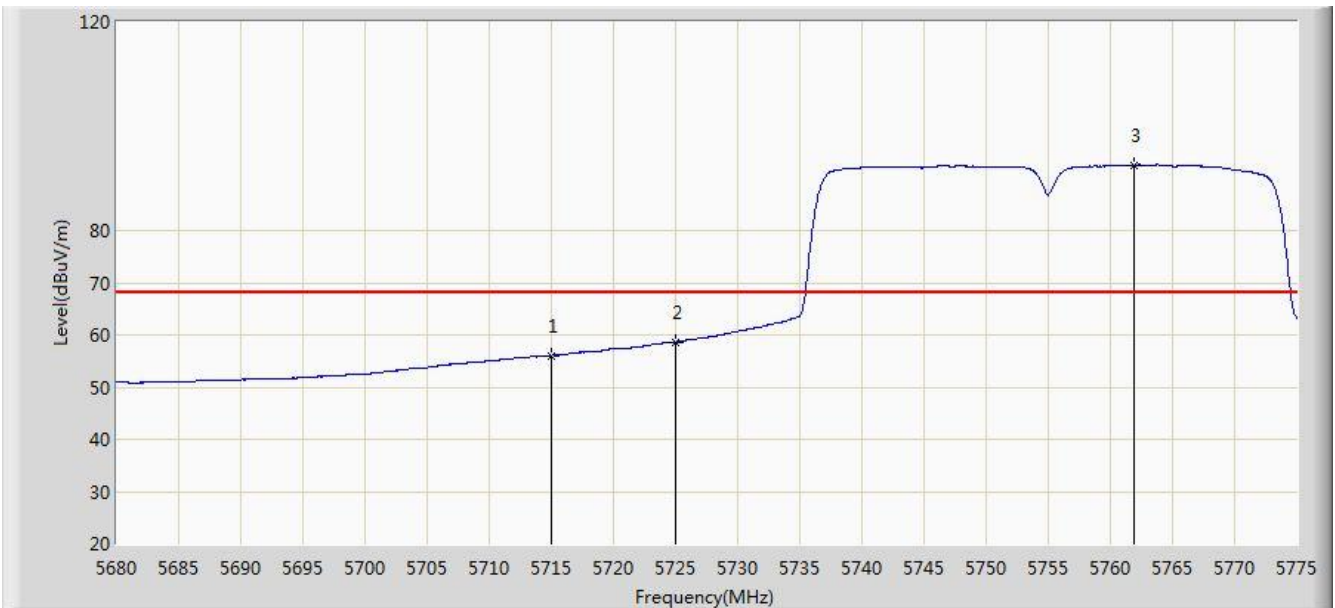


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	73.249	65.477	-14.951	88.200	7.772	PK
2			5722.845	80.749	72.962	-17.451	98.200	7.787	PK
3			5725.000	78.901	71.110	-19.299	98.200	7.791	PK
4		*	5760.370	105.936	98.073	N/A	N/A	7.863	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:37
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 1	



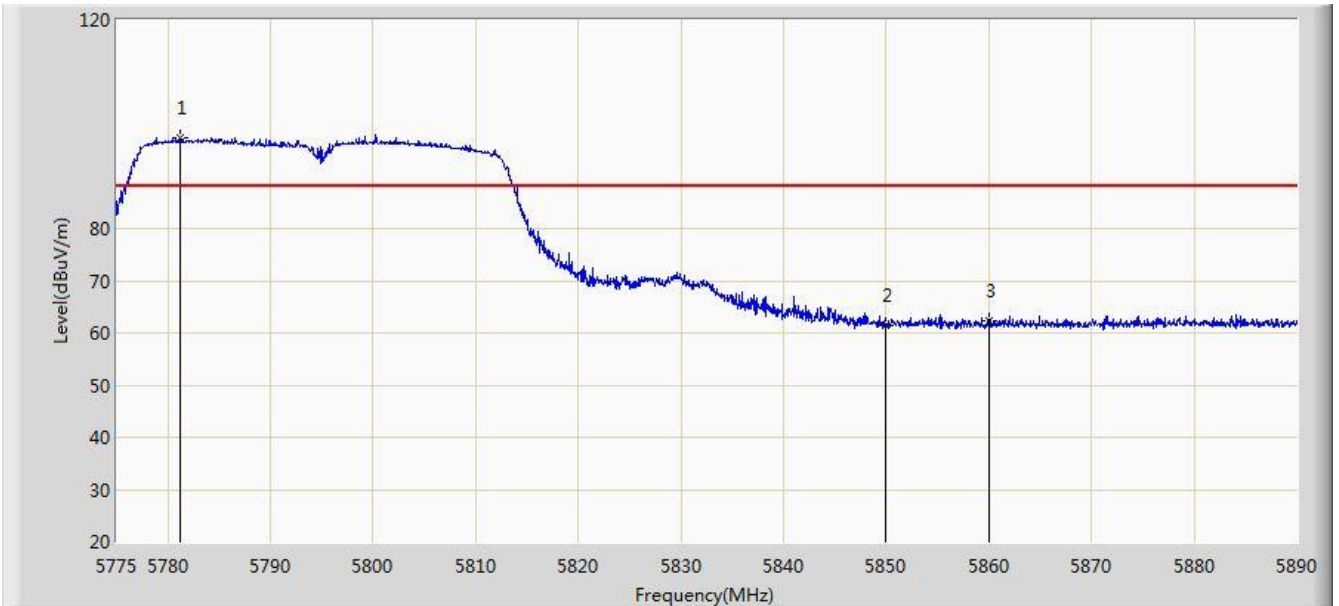
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	56.079	48.307	-12.121	68.200	7.772	AV
2			5725.000	58.615	50.824	-19.585	78.200	7.791	AV
3		*	5761.937	92.523	84.655	N/A	N/A	7.868	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:38
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

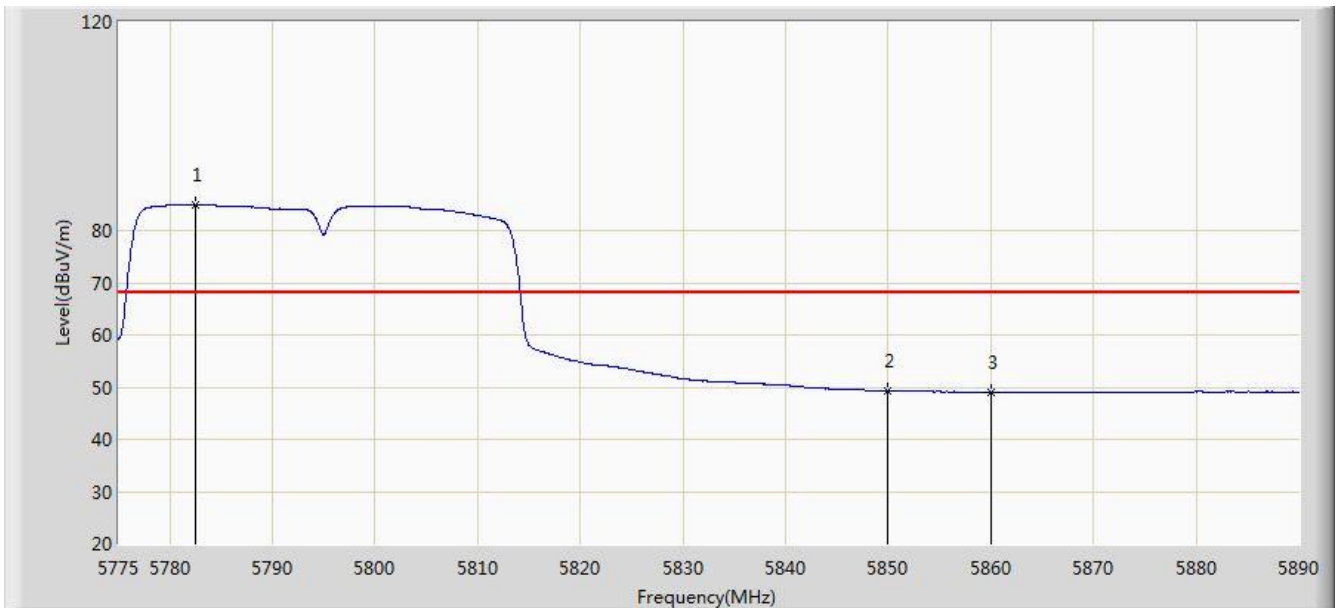


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5781.210	97.529	89.595	N/A	N/A	7.934	PK
2			5850.000	61.321	53.187	-36.879	98.200	8.134	PK
3			5860.000	62.349	54.160	-25.851	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:40
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

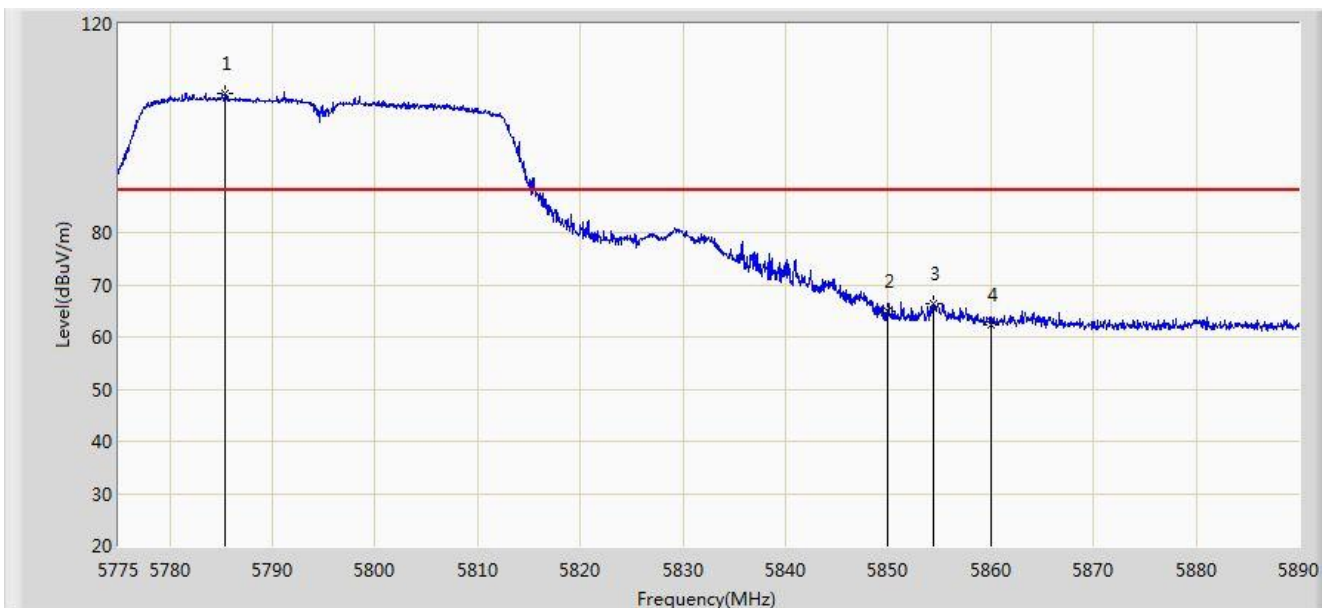


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.475	85.069	77.131	N/A	N/A	7.938	AV
2			5850.000	49.325	41.191	-28.875	78.200	8.134	AV
3			5860.000	49.094	40.905	-19.106	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:40
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

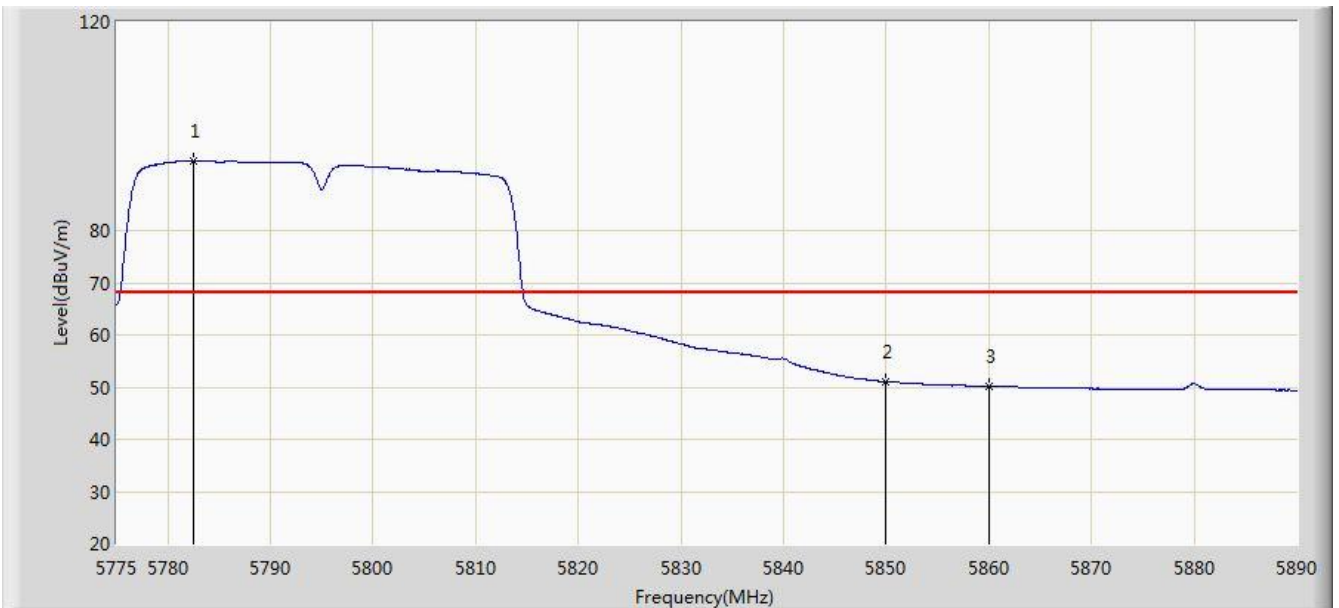


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5785.408	106.555	98.606	N/A	N/A	7.949	PK
2			5850.000	64.857	56.723	-33.343	98.200	8.134	PK
3			5854.350	66.395	58.237	-31.805	98.200	8.157	PK
4			5860.000	62.398	54.209	-25.802	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:41
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 1	

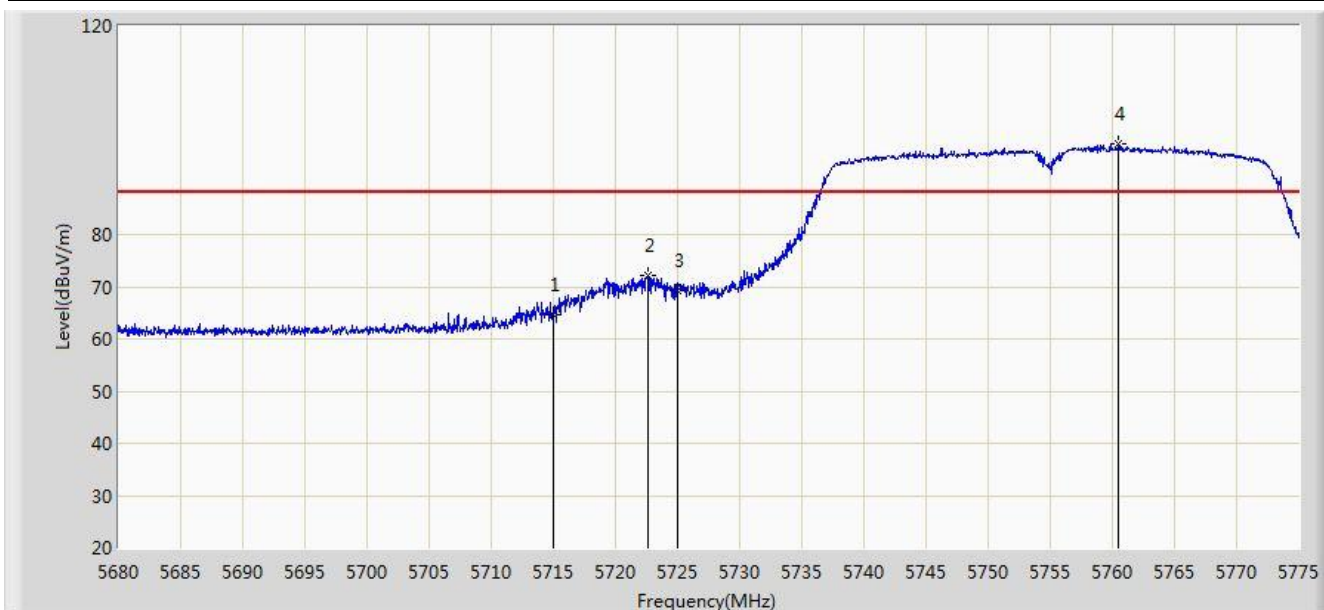


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.533	93.455	85.516	N/A	N/A	7.939	AV
2			5850.000	51.076	42.942	-27.124	78.200	8.134	AV
3			5860.000	50.181	41.992	-18.019	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:42
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

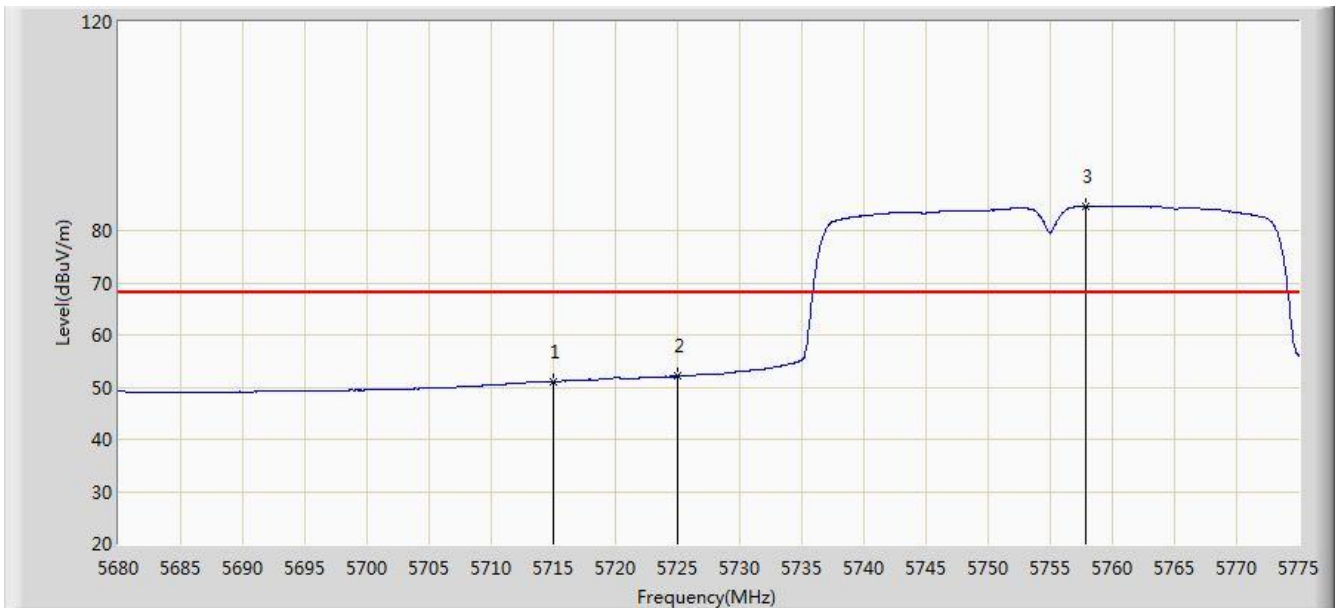


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	64.744	56.972	-23.456	88.200	7.772	PK
2			5722.560	72.154	64.368	-26.046	98.200	7.786	PK
3			5725.000	69.231	61.440	-28.969	98.200	7.791	PK
4		*	5760.513	97.297	89.433	N/A	N/A	7.863	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:44
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

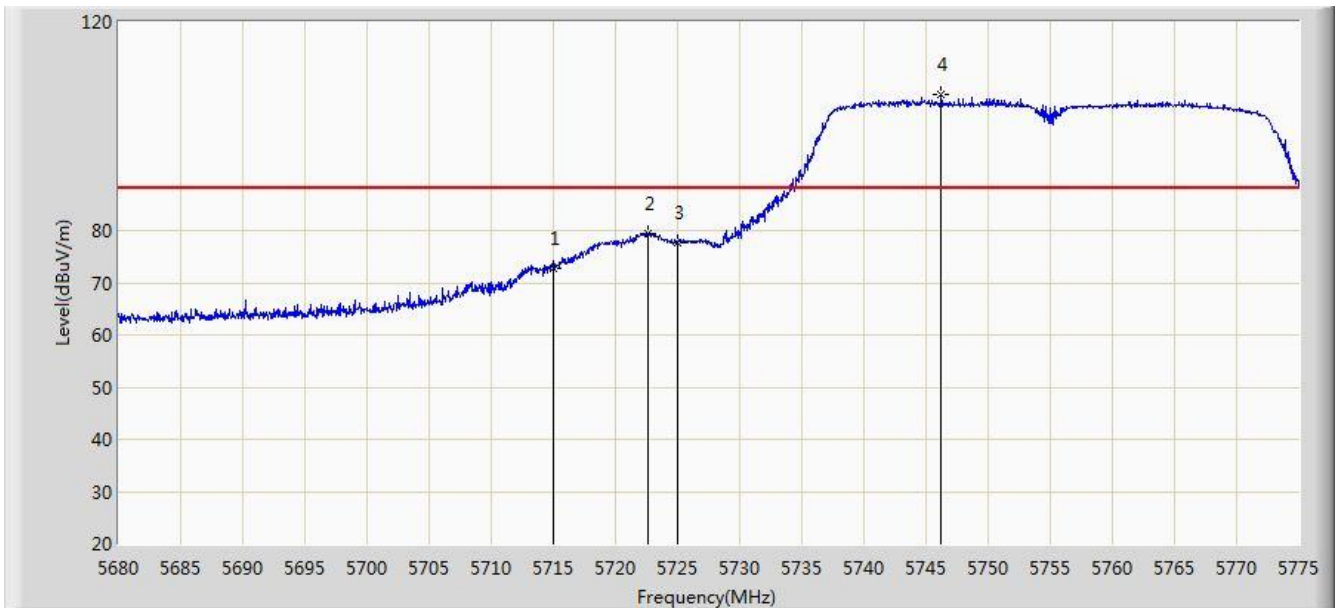


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.103	43.331	-17.097	68.200	7.772	AV
2			5725.000	52.088	44.297	-26.112	78.200	7.791	AV
3		*	5757.805	84.659	76.800	N/A	N/A	7.859	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:44
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	

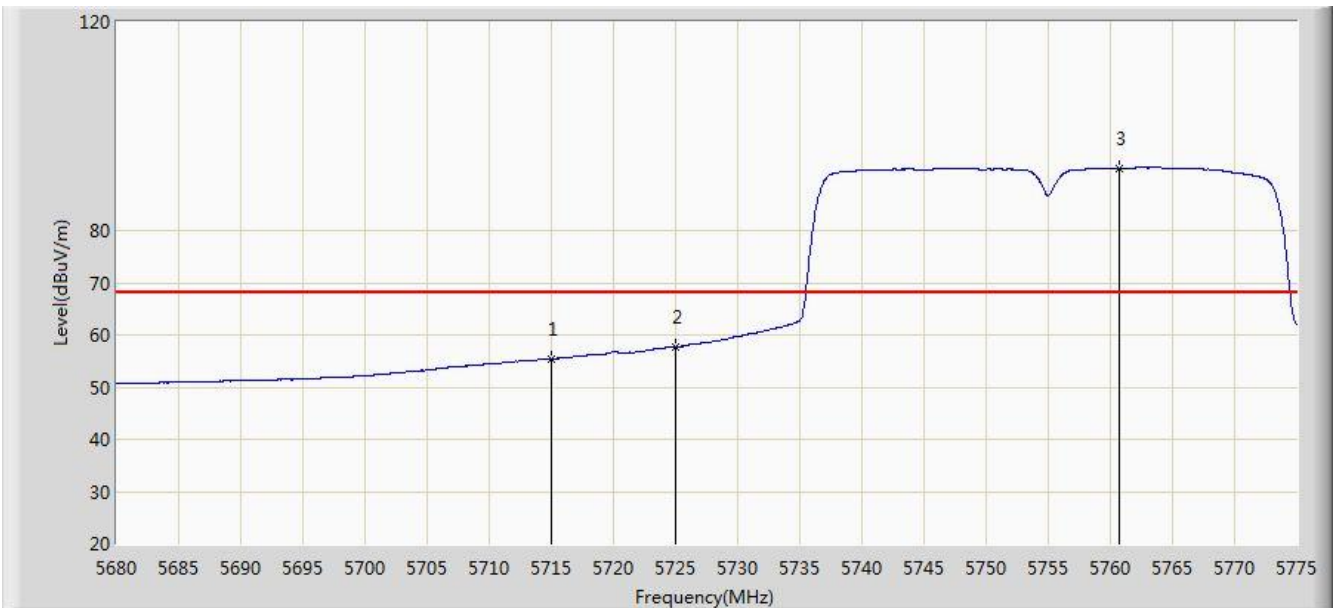


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	72.611	64.839	-15.589	88.200	7.772	PK
2			5722.560	79.513	71.727	-18.687	98.200	7.786	PK
3			5725.000	77.692	69.901	-20.508	98.200	7.791	PK
4		*	5746.215	106.033	98.198	N/A	N/A	7.835	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:46
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 3: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1	



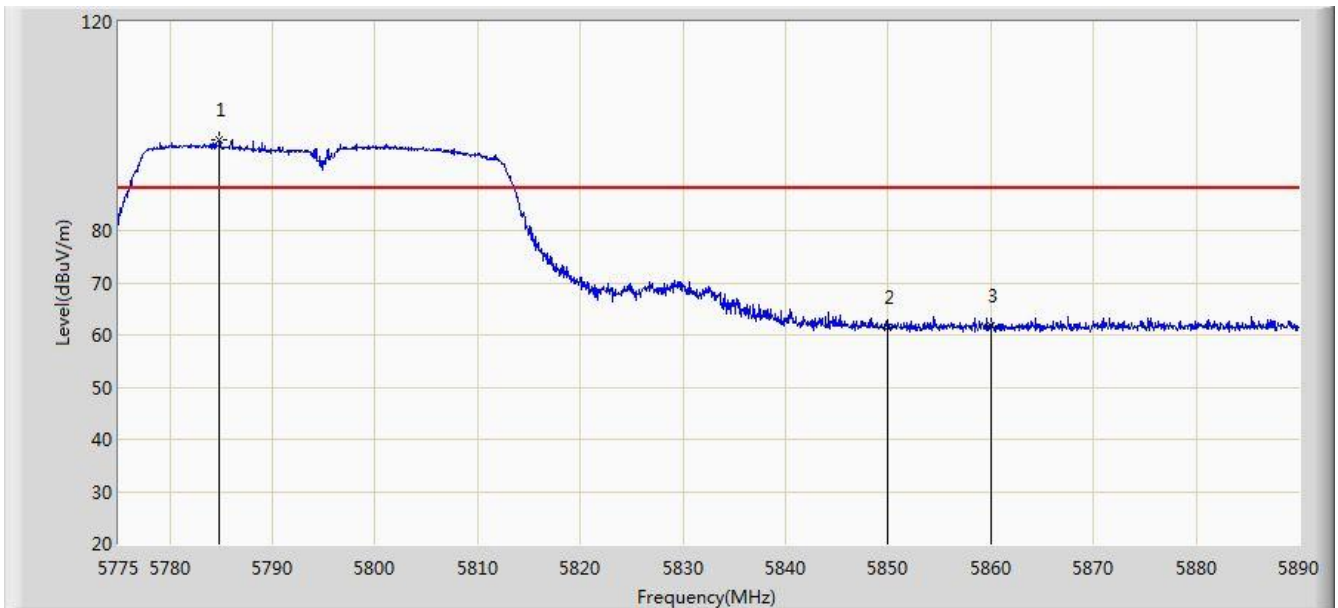
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	55.408	47.636	-12.792	68.200	7.772	AV
2			5725.000	57.677	49.886	-20.523	78.200	7.791	AV
3		*	5760.750	91.972	84.107	N/A	N/A	7.865	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).



Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:46
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

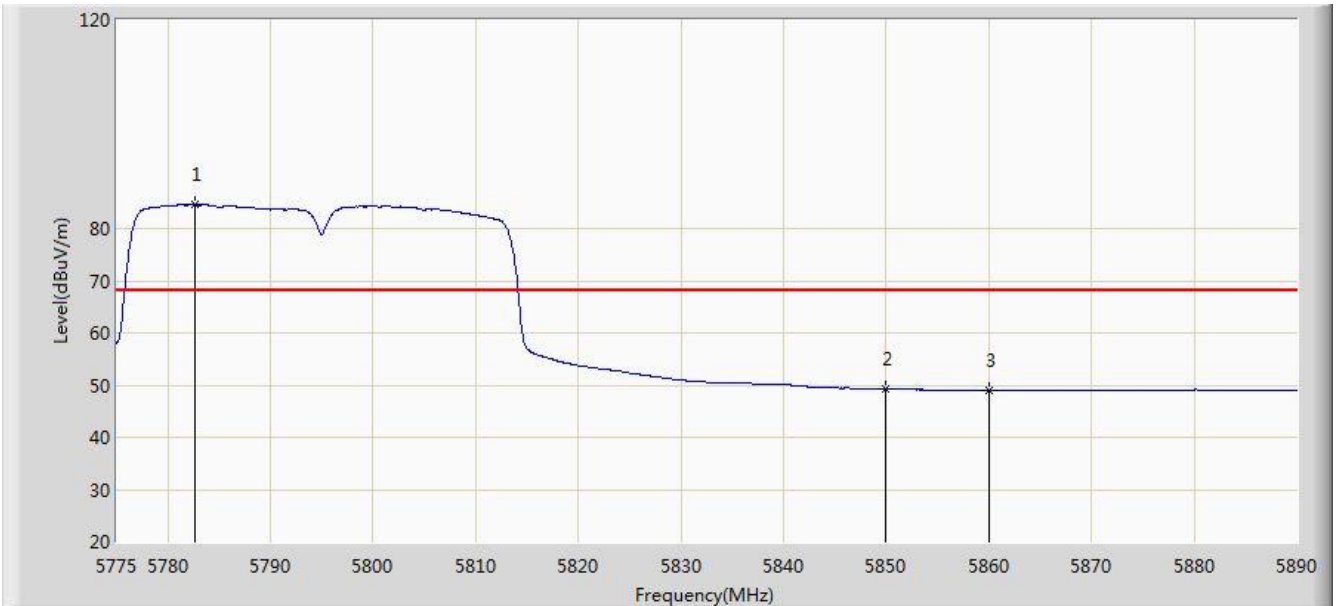


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5784.833	97.291	89.344	N/A	N/A	7.946	PK
2			5850.000	61.410	53.276	-36.790	98.200	8.134	PK
3			5860.000	61.668	53.479	-26.532	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:48
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

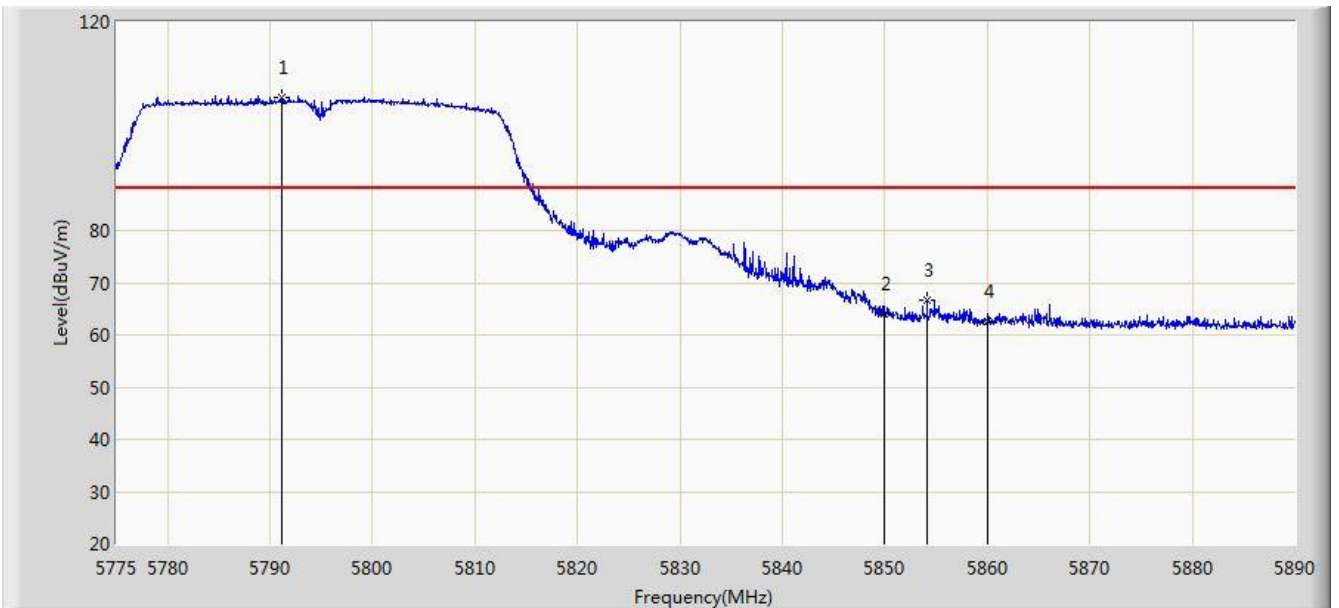


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5782.647	84.552	76.613	N/A	N/A	7.939	AV
2			5850.000	49.257	41.123	-28.943	78.200	8.134	AV
3			5860.000	49.000	40.811	-19.200	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:48
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	

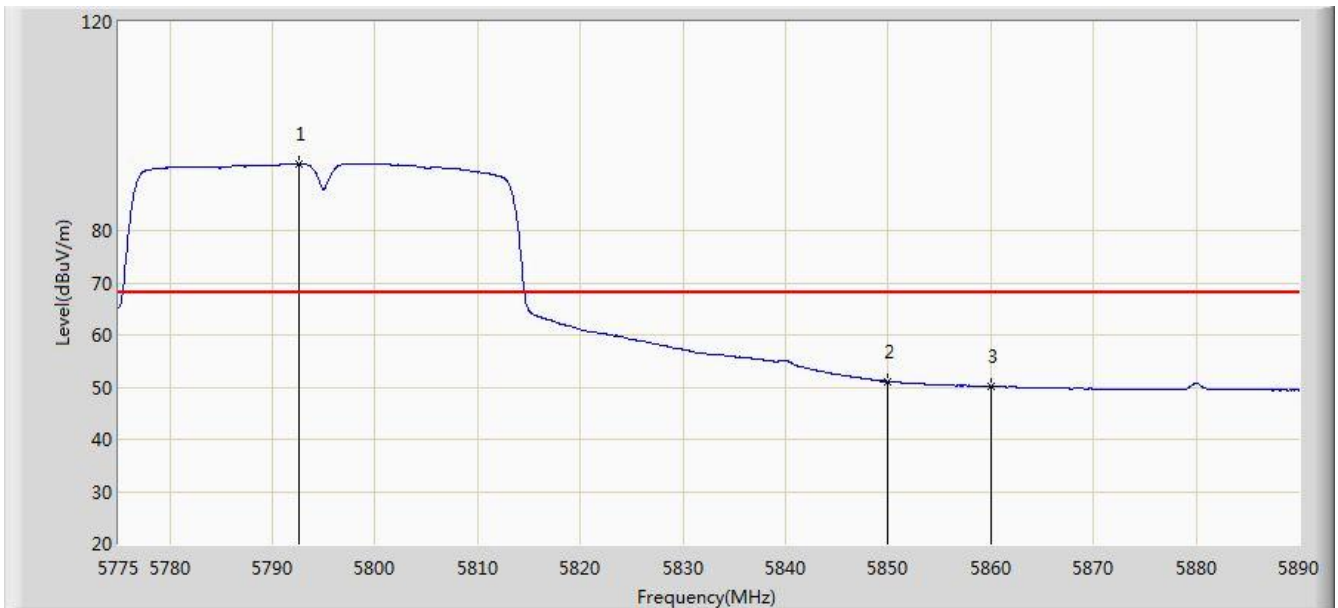


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.158	105.569	97.599	N/A	N/A	7.970	PK
2			5850.000	64.132	55.998	-34.068	98.200	8.134	PK
3			5854.120	66.562	58.405	-31.638	98.200	8.157	PK
4			5860.000	62.688	54.499	-25.512	88.200	8.189	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

Engineer: Milo Li	
Site: AC1	Time: 2014/08/27 - 22:49
Limit: FCC_Part15.407_RE(3m)	Margin: 0
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode 2: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5792.652	92.701	84.725	N/A	N/A	7.975	AV
2			5850.000	51.134	43.000	-27.066	78.200	8.134	AV
3			5860.000	50.125	41.936	-18.075	68.200	8.189	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) – Pre\_Amplifier Gain (dB).

## 7.9. AC Conducted Emissions Measurement

### 7.9.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dB $\mu$ V)	AV (dB $\mu$ V)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

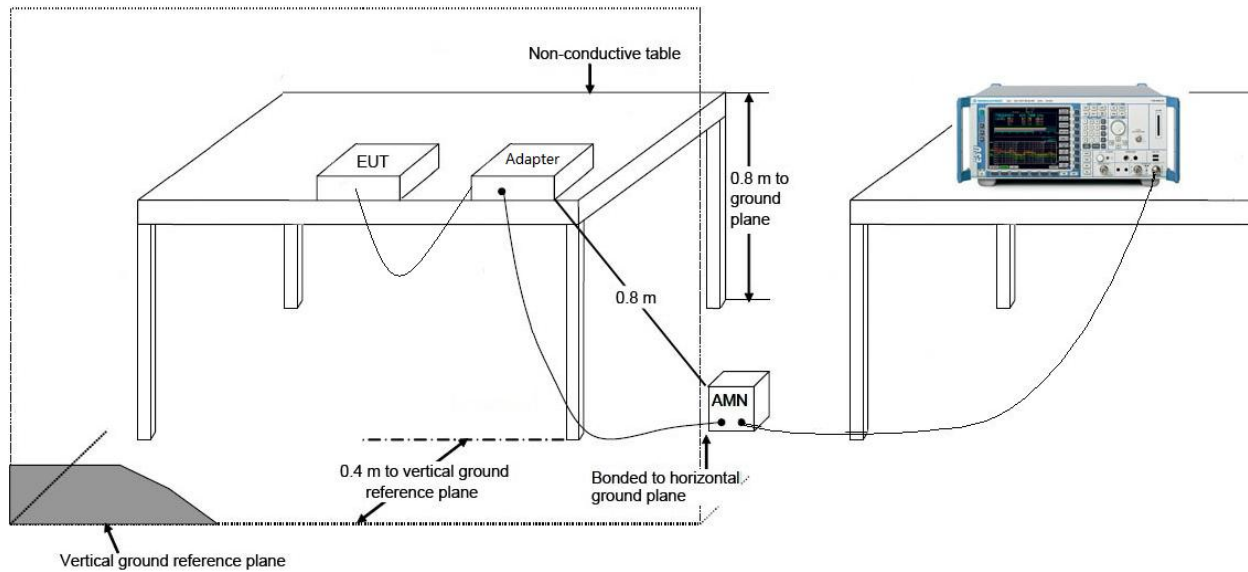
### 7.9.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

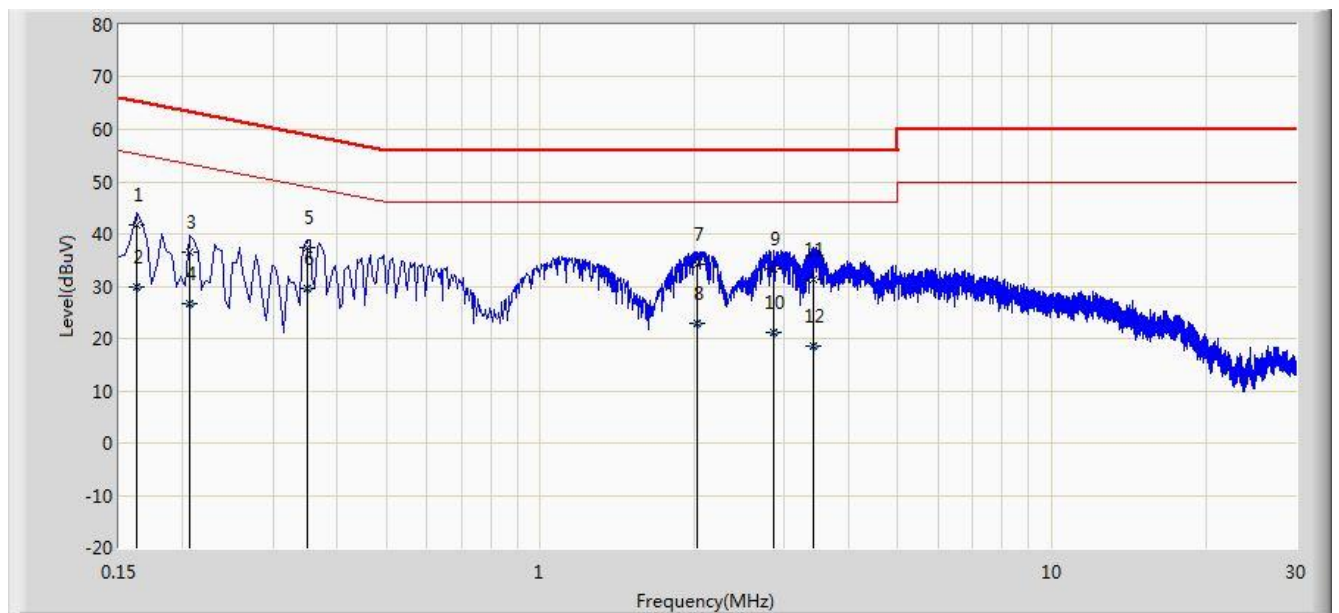
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

### 7.9.3. Test Setup



#### 7.9.4. Test Result

Engineer: Roy Cheng	
Site: SR2	Time: 2014/08/26 - 14:30
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode1	

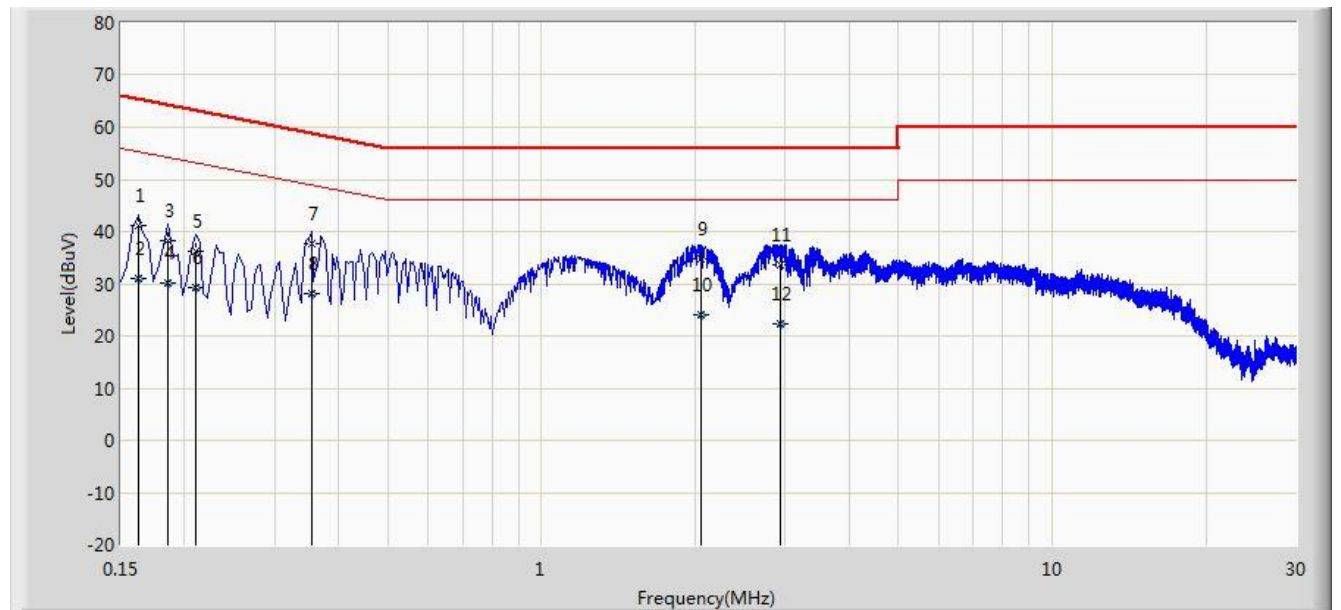


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.162	41.880	31.783	-23.481	65.361	10.097	QP
2			0.162	29.807	19.710	-25.554	55.361	10.097	AV
3			0.206	36.505	26.524	-26.860	63.365	9.981	QP
4			0.206	26.790	16.809	-26.575	53.365	9.981	AV
5			0.350	37.277	27.233	-21.685	58.962	10.044	QP
6			0.350	29.672	19.628	-19.290	48.962	10.044	AV
7			2.030	34.157	24.287	-21.843	56.000	9.870	QP
8			2.030	22.813	12.943	-23.187	46.000	9.870	AV
9			2.854	33.380	23.535	-22.620	56.000	9.845	QP
10		*	2.854	21.219	11.374	-24.781	46.000	9.845	AV
11			3.414	31.280	21.379	-24.720	56.000	9.901	QP
12			3.414	18.630	8.729	-27.370	46.000	9.901	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Engineer: Roy Cheng	
Site: SR2	Time: 2014/08/26 - 14:34
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: WIRELESS ACCESS POINT	Power: AC 120V/60Hz
Note: Mode1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.162	41.279	31.201	-24.082	65.361	10.078	QP
2			0.162	31.054	20.976	-24.307	55.361	10.078	AV
3			0.186	38.307	28.272	-25.907	64.213	10.035	QP
4			0.186	30.137	20.102	-24.077	54.213	10.035	AV
5			0.210	36.331	26.336	-26.874	63.205	9.995	QP
6			0.210	29.316	19.322	-23.889	53.205	9.995	AV
7			0.354	37.742	27.664	-21.126	58.868	10.078	QP
8			0.354	28.047	17.969	-20.821	48.868	10.078	AV
9			2.054	34.840	24.968	-21.160	56.000	9.872	QP
10		*	2.054	24.017	14.145	-21.983	46.000	9.872	AV
11			2.934	33.676	23.817	-22.324	56.000	9.860	QP
12			2.934	22.440	12.580	-23.560	46.000	9.860	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)



## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the **WIRELESS ACCESS POINT**  
**FCC ID: TK4WPJ342** is in compliance with Part 15E of the FCC Rules.

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The End