



Test Report

FCC Part15 Subpart E

Product Name : AC1200 Wireless Dual Band Gigabit Access
Point

Model No. : EAP320

FCC ID : TE7EAP320

Applicant : TP-LINK TECHNOLOGIES CO., LTD.

Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4)
Central Science and Technology Park,Shennan Rd,
Nanshan, Shenzhen, China

Date of Receipt : Feb. 22, 2016

Test Date : Feb. 29, 2016~Apr. 27, 2016

Issued Date : Oct. 31, 2016

Report No. : 1622053R-RF-US-P09V01

Report Version : V1.2

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by CNAS,TAF any agency of the government.

The test report shall not be reproduced without the written approval of QuieTek Corporation.

Test Report Certification

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Applicant : TP-LINK TECHNOLOGIES CO., LTD.
Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Manufacturer : TP-LINK TECHNOLOGIES CO., LTD.
Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Model No. : EAP320
FCC ID : TE7EAP320
EUT Voltage : AC 100-240V, 50/60Hz
Brand Name : TP-LINK
Applicable Standard : FCC CFR Title 47 Part 15 Subpart E: 2015
ANSI C63.4:2014;
ANSI C63.10:2013;
789033 D02 General UNII Test Procedures New Rules v01r02

Test Result : Complied
Performed Location : Quietek Corporation - Suzhou EMC Laboratory
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TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
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Laboratory Information

We, **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted(audited or listed) by the following related bodies in compliance with ISO 17025, EN 45001 and specified testing scope:

Taiwan R.O.C.	:	BSMI, NCC, TAF
USA	:	FCC
Japan	:	VCCI
China	:	CNAS

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site :<http://www.quietek.com/tw/ctg/cts/accreditations.htm>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :
<http://www.quietek.com/>

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1622053R-RF-US-P09V01	V1.0	Initial Issued Report	May. 03, 2016
1622053R-RF-US-P09V01	V1.1	Modified a typo at page 60	Jun. 13, 2016
1622053R-RF-US-P09V01	V1.2	added a data rate plot at page 11	Oct. 31, 2016

1. General Information

1.1. EUT Description

Product Name	AC1200 Wireless Dual Band Gigabit Access Point				
Brand Name	TP-LINK				
Model No.	EAP320				
EUT Voltage	AC 100-240V, 50/60Hz				
Test Voltage	120V/60Hz				
Type of Modulation	OFDM				
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps				
	802.11n: up to 300Mbps				
	802.11ac: up to 866.6Gbps				
Channel Control	Auto				
Transmit modes	☒ 802.11a	☒ 802.11n(20MHz)	☒ 802.11n(40MHz)		
	☒ 802.11ac(20MHz)	☒ 802.11ac(40MHz)	☒ 802.11ac(80MHz)		
Support Bands	☐	☐ Outdoor AP			
	☒ 5150MHz~5250MHz	☒ Indoor AP			
		☐ Fixed point-to-point AP			
		☐ Mobile and Portable Client			
	☐ 5250MHz~5350MHz				
	☐ 5470MHz~5725MHz	☐	With TDWR Channels		
		☐	Without TDWR Channels		
	☒ 5725MHz~5850MHz				

1.2. Antenna information

Antenna Model	PIFA Antenna				
Antenna Manufacturer	TPlink				
Antenna Delivery	☐ 1*TX+1*RX	☒ 2*TX+2*RX	☐ 3*TX+3*RX		
Antenna Technology	☐ SISO				
	☒ MIMO	☐	Basic methodology with NANT transmit antennas		
		☐	Sectorized antenna systems		
		☐	Cross-polarized antennas		
		☐	Unequal antenna gains, with equal transmit powers		
		☒	Spatial Multiplexing		
		☒	Cyclic Delay Diversity (CDD)		
Antenna Type	PIFA Antenna				

Antenna Gain			
Antenna Technology	Ant Gain	Directional Gain	
		For Power	For PSD
☒ CDD	Ant0: 6.19 Ant1: 5.51	5.86	8.87
☒ Beam-forming	Ant0: 6.19 Ant1: 5.51	8.87	8.87

1.3. Working Frequency of Each Channel:

802.11a/n/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	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	5825MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n/ac(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

1.4. Power Parameter Value of the test software

Test Mode	Test Channel	Power Setting (With CDD)	Power Setting (With Beam-forming)
802.11a	5180	85	85
	5220	87	87
	5240	87	87
	5745	83	84
	5785	95	92
	5825	90	92
802.11n(20MHz)	5180	88	88
	5220	88	88
	5240	88	88
	5745	78	82
	5785	95	92
	5825	88	90
802.11ac(20MHz)	5180	87	87
	5220	87	87
	5240	86	86
	5745	78	83
	5785	95	92
	5825	88	90
802.11n(40MHz)	5190	70	70
	5230	95	92
	5755	67	70
	5795	86	87
802.11ac(40MHz)	5190	70	70
	5230	95	92
	5755	67	67
	5795	86	86
802.11ac(80MHz)	5210	70	70
	5775	80	81

1.5. Power vs Data Rate

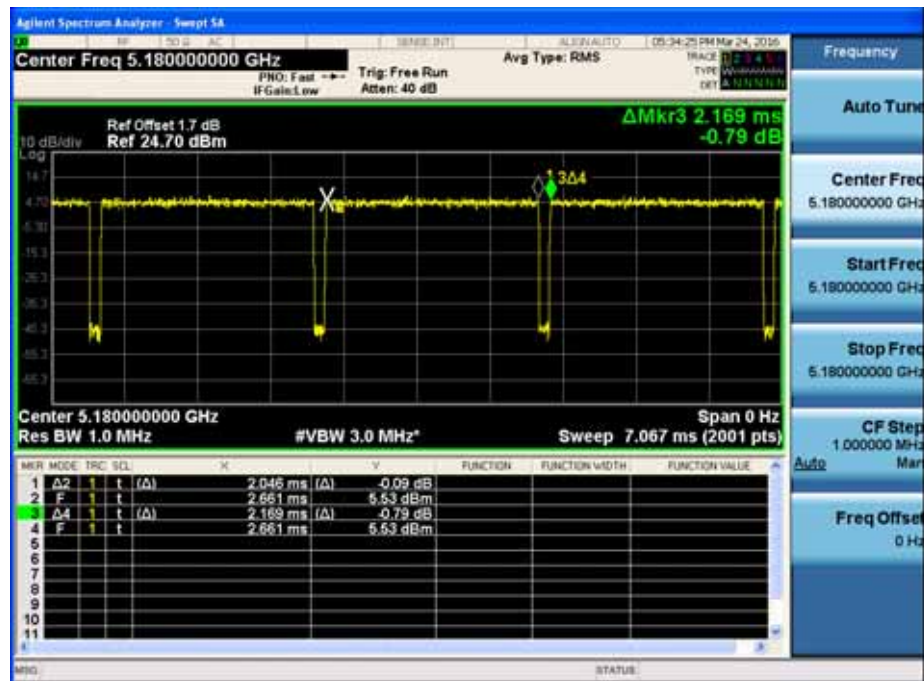
MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)						
		802.11b	802.11g	802.11a	20MHz Bandwidth		40MHz Bandwidth	
					800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	6	6.5	7.2	13.5	15.0
1	1	2	9	9	13.0	14.4	27.0	30.0
2	1	5.5	12	12	19.5	21.7	40.5	45.0
3	1	11	18	18	26.0	28.9	54.0	60.0
4	1	---	24	24	39.0	43.3	81.0	90.0
5	1	---	36	36	52.0	57.8	108.0	120.0
6	1	---	48	48	58.5	65.0	121.5	135.0
7	1	---	54	54	65.0	72.2	135.0	150.0
8	2	---	---	---	13.0	14.4	27.0	30.0
9	2	---	---	---	26.0	28.9	54.0	60.0
10	2	---	---	---	39.0	43.3	81.0	90.0
11	2	---	---	---	52.0	57.8	108.0	120.0
12	2	---	---	---	78.0	86.7	162.0	180.0
13	2	---	---	---	104.0	115.6	216.0	240.0
14	2	---	---	---	117.0	130.0	243.0	270.0
15	2	---	---	---	130.0	144.0	270.0	300.0
Note 1 : The blue form is the maximum power data rate								

Spatial Streams (Note1)	MCS Index	Modulation type	Coding rate	Data Rate(Mb/s)					
				20MHz		40MHz		80MHz	
				Guard Interval		Guard Interval		Guard Interval	
				800ns	400ns	800ns	400ns	800ns	400ns
1	0	BPSK	1/2	6.5	7.2	13.5	15	29.3	32.5
	1	QPSK	1/2	13	14.4	27	30	58.5	65
	2	QPSK	3/4	19.5	21.7	40.5	45	87.8	97.5
	3	16-QAM	1/2	26	28.9	54	60	117	130
	4	16-QAM	3/4	39	43.3	81	90	175.5	195
	5	64-QAM	2/3	52	57.8	108	120	234	260
	6	64-QAM	3/4	58.5	65	121.5	135	263.3	292.5
	7	64-QAM	5/6	65	72.2	135	150	292.5	325
	8	256-QAM	3/4	78	86.7	162	180	351	390
	9	256-QAM	5/6	N/A	N/A	180	200	390	433.3
2	0	BPSK	1/2	13	14.4	27	30	58.6	65
	1	QPSK	1/2	26	28.8	54	60	117	130
	2	QPSK	3/4	39	43.4	81	90	175.6	195
	3	16-QAM	1/2	52	57.8	108	120	234	260
	4	16-QAM	3/4	78	86.6	162	180	351	390
	5	64-QAM	2/3	104	115.6	216	240	468	520
	6	64-QAM	3/4	117	130	243	270	526.6	585
	7	64-QAM	5/6	130	144.4	270	300	585	650
	8	256-QAM	3/4	156	173.4	324	360	702	780
	9	256-QAM	5/6	N/A	N/A	360	400	780	866.6
Note 1 : The blue form is the maximum power data rate									

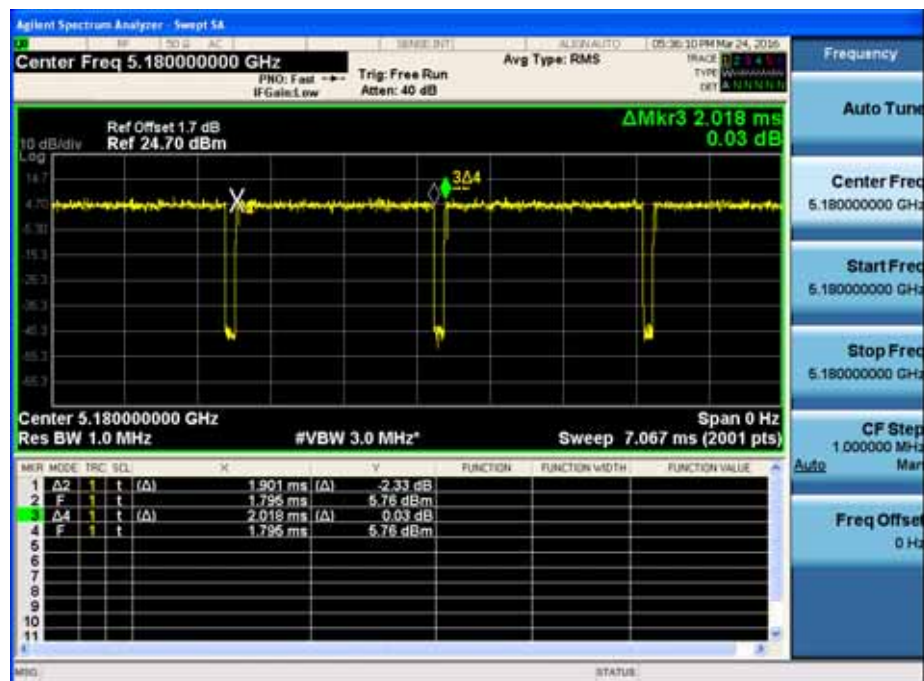
1.6. Duty Cycle

Test Mode	Duty Cycle
802.11a with CDD	94.33%
802.11n(20MHz) with CDD	94.20%
802.11n(40MHz) with CDD	87.43%
802.11ac(20MHz) with CDD	98.05%
802.11ac(40MHz) with CDD	93.57%
802.11ac(80MHz) with CDD	97.02%
802.11a with beam-forming	94.85%
802.11n(20MHz) with beam-forming	94.44%
802.11n(40MHz) with beam-forming	90.20%
802.11ac(20MHz) with beam-forming	98.46%
802.11ac(40MHz) with beam-forming	94.90%
802.11ac(80MHz) with beam-forming	95.08%

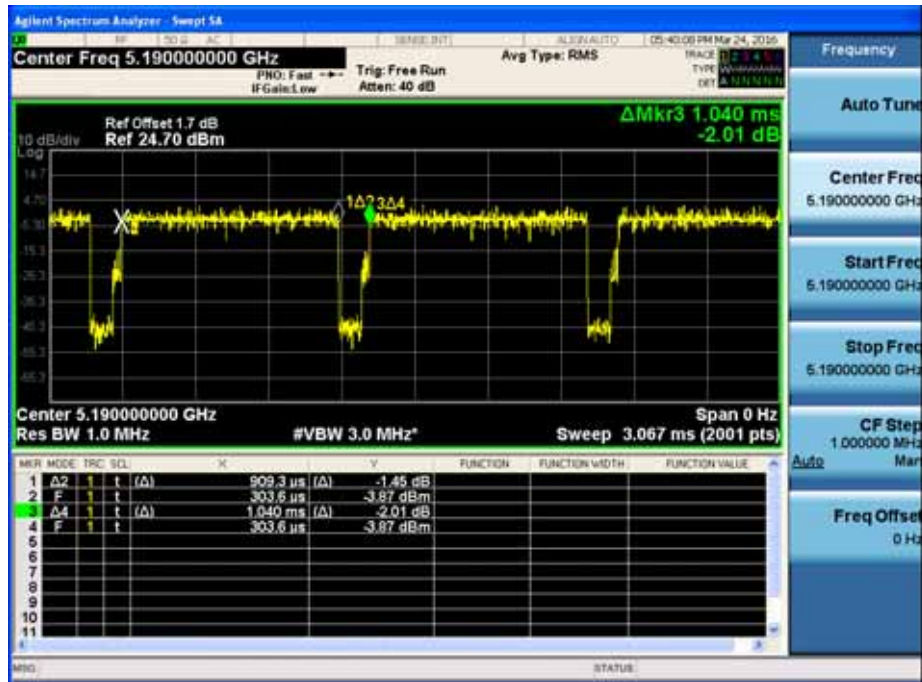
802.11a with CDD



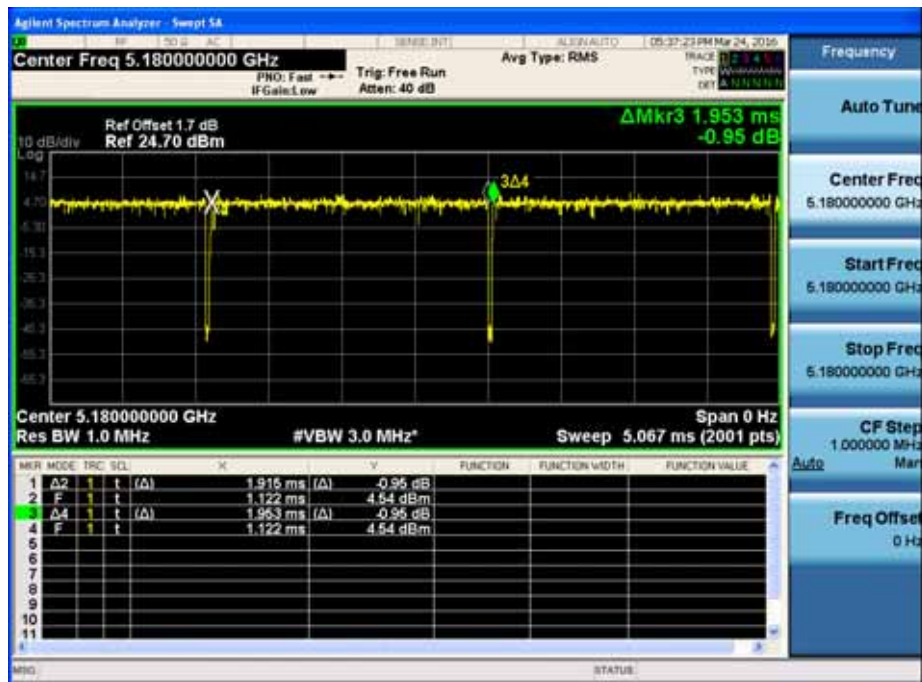
802.11n(20MHz) with CDD



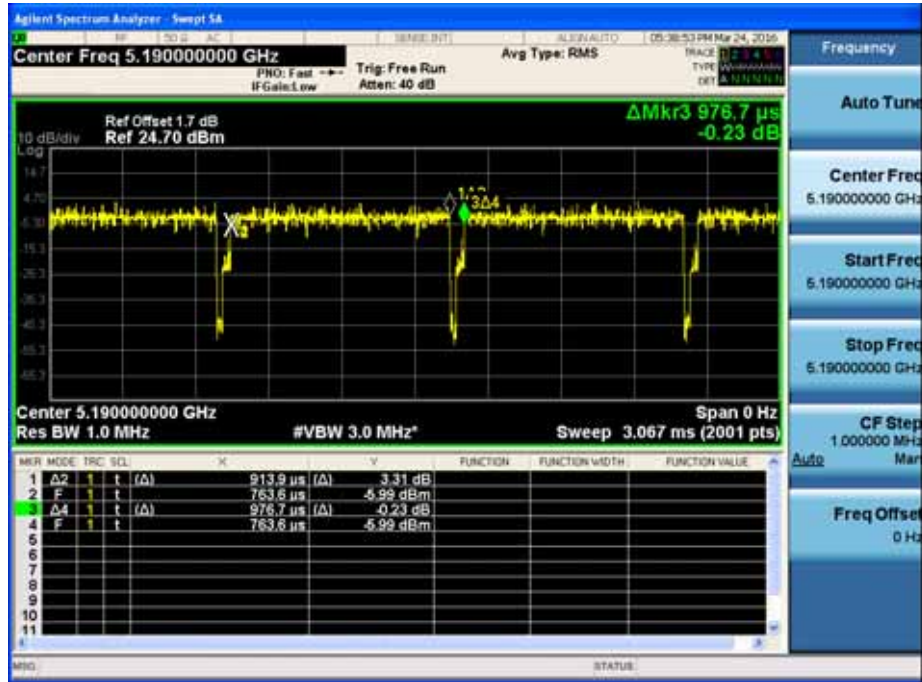
802.11n(40MHz) with CDD



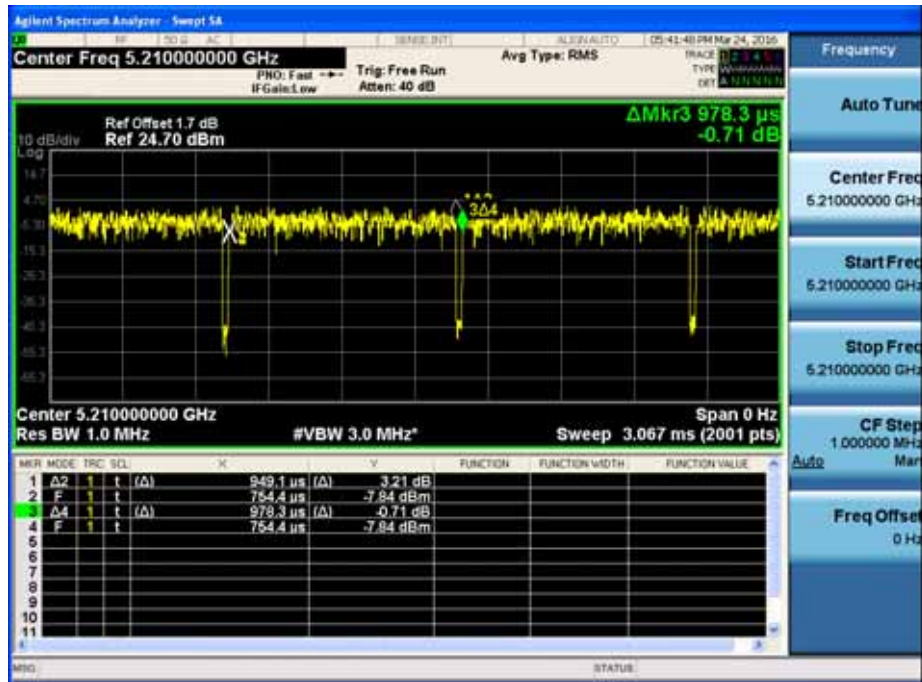
802.11ac(20MHz) with CDD



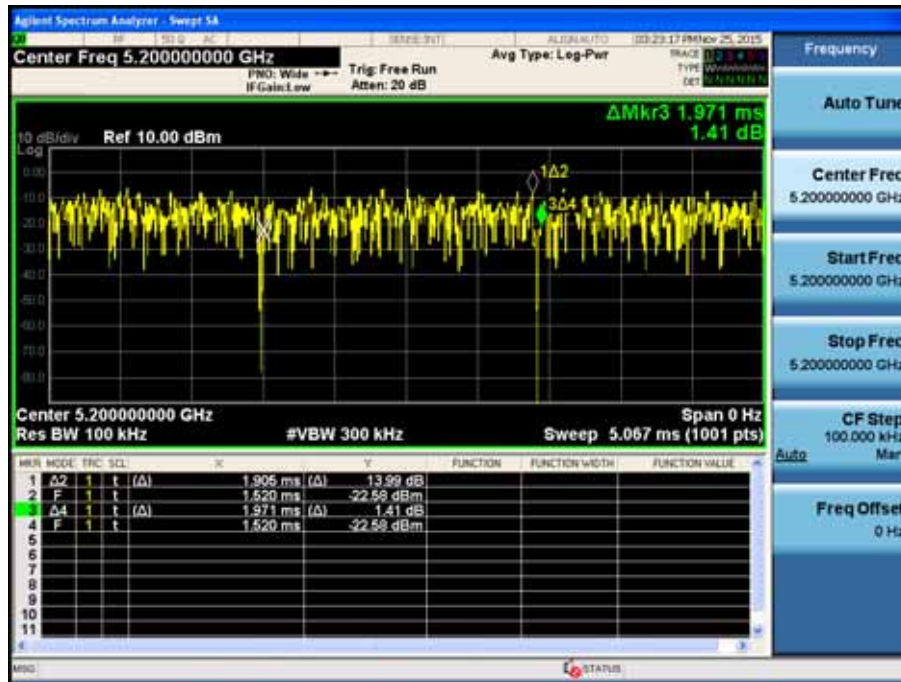
802.11ac(40MHz) with CDD



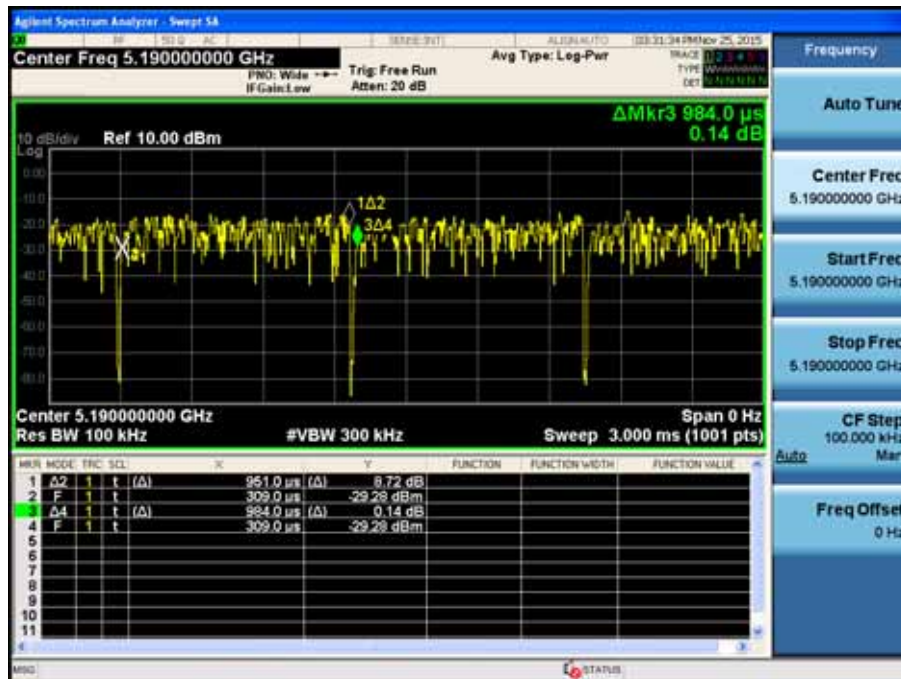
802.11ac(80MHz) with CDD



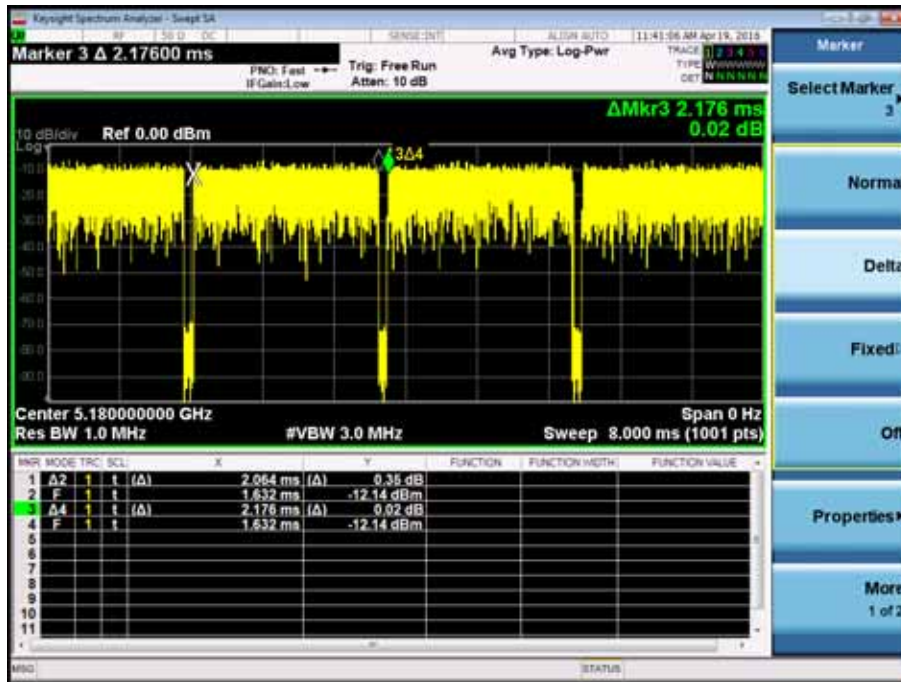
802.11ac(20MHz) with beam-forming



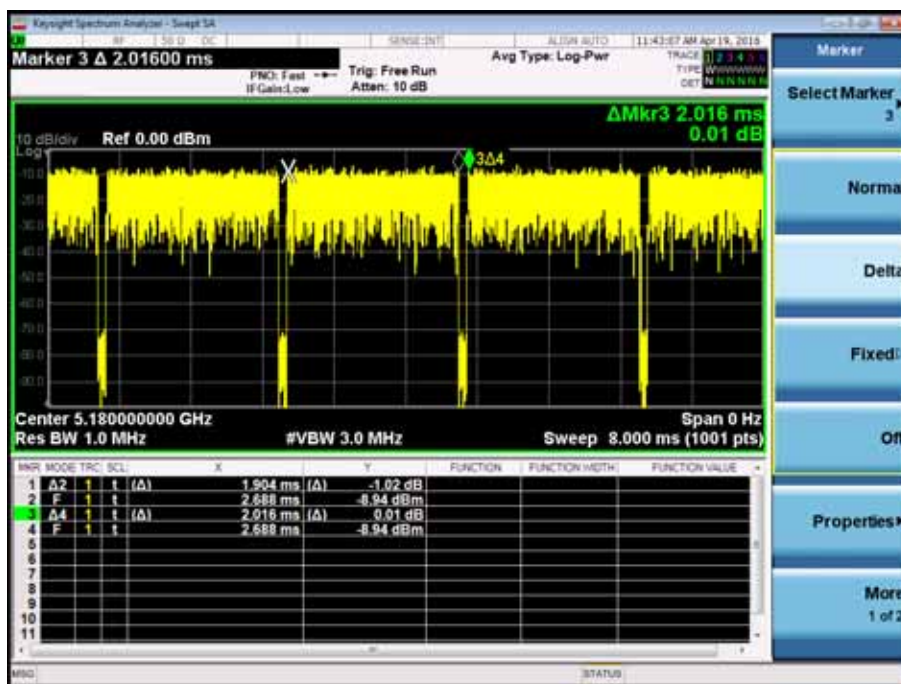
802.11ac(40MHz) with beam-forming



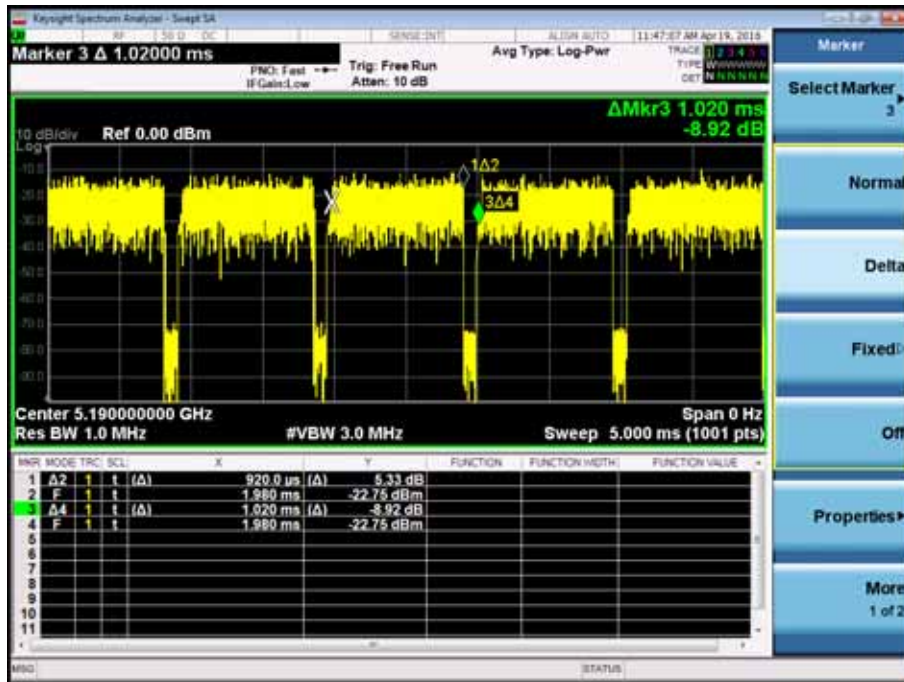
802.11a with beam-forming



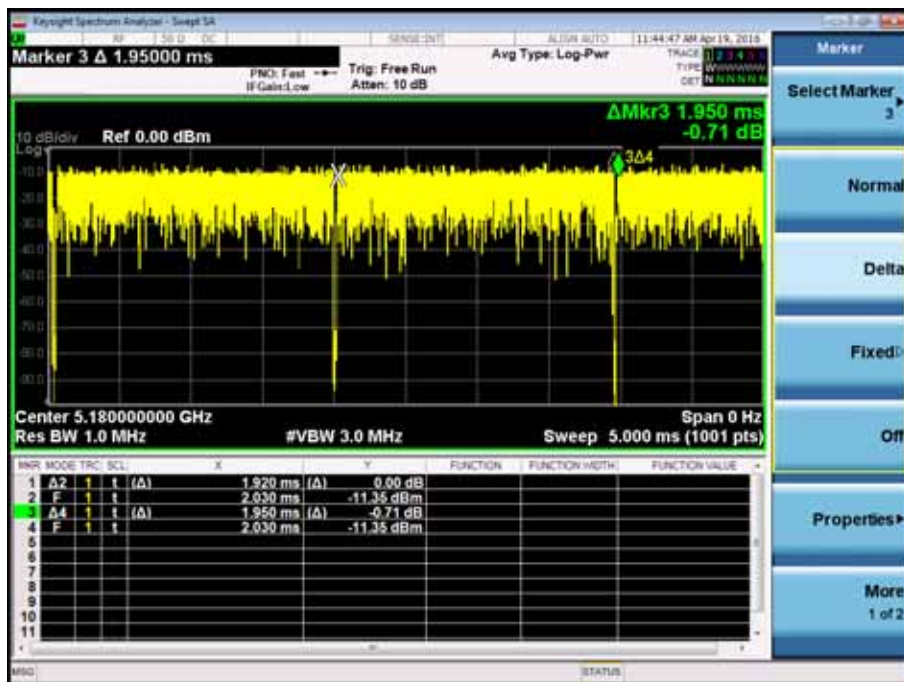
802.11n(20MHz) with beam-forming



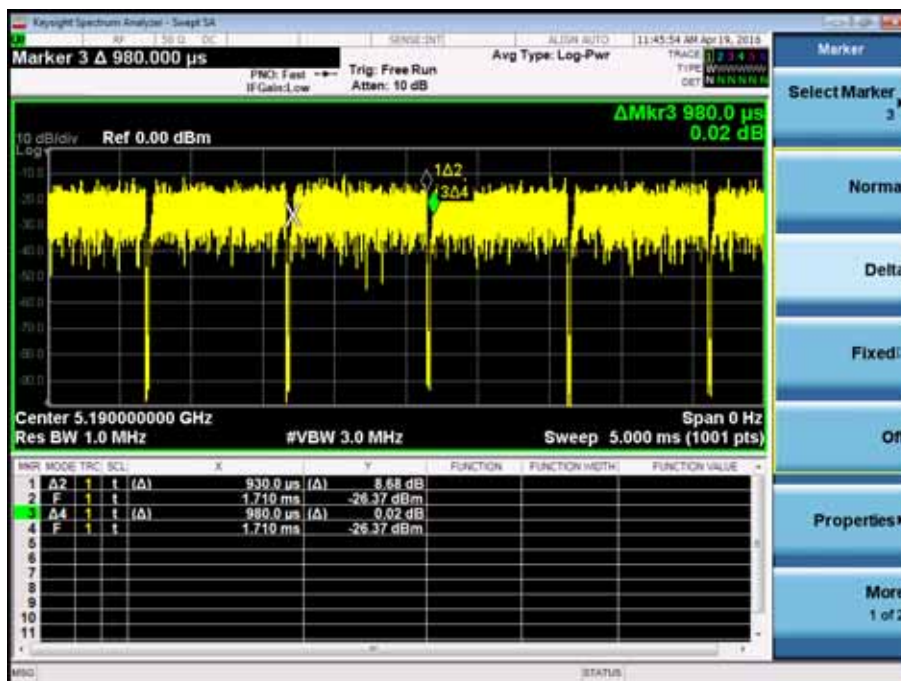
802.11n(40MHz) with beam-forming



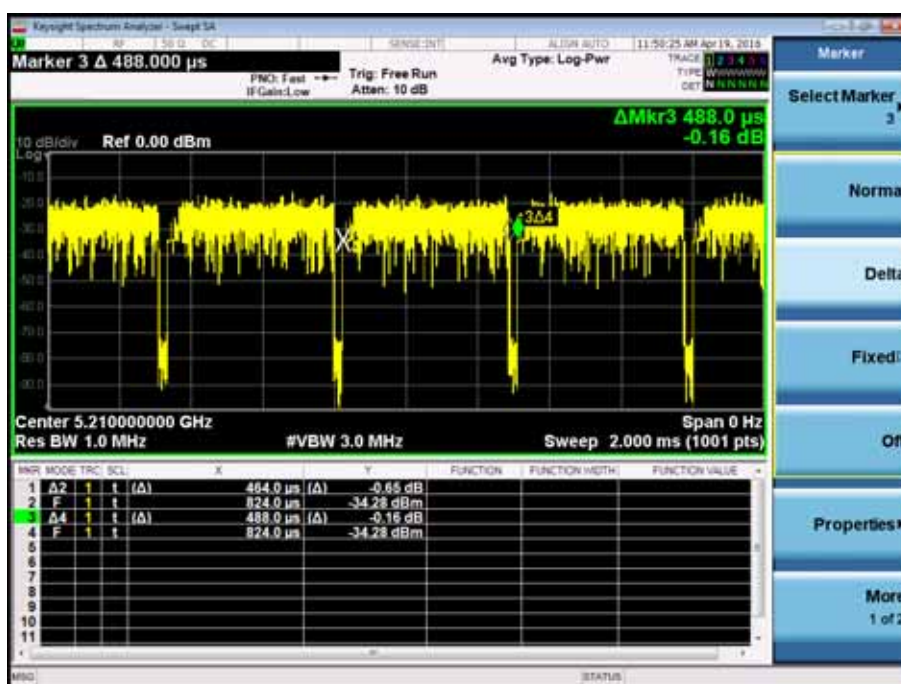
802.11ac(20MHz) with beam-forming



802.11ac(40MHz) with beam-forming



802.11ac(80MHz) with beam-forming



1.7. Mode of Operation

Quietek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit by 802.11a with CDD
Mode 2: Transmit by 802.11n(20MHz) with CDD
Mode 3: Transmit by 802.11n(40MHz) with CDD
Mode 4: Transmit by 802.11ac(20MHz) with CDD
Mode 5: Transmit by 802.11ac(40MHz) with CDD
Mode 6: Transmit by 802.11ac(80MHz) with CDD
Mode 7: Transmit by 802.11a with beam-forming
Mode 8: Transmit by 802.11n(20MHz) with beam-forming
Mode 9: Transmit by 802.11n(40MHz) with beam-forming
Mode 10: Transmit by 802.11ac(20MHz) with beam-forming
Mode 11: Transmit by 802.11ac(40MHz) with beam-forming
Mode 12: Transmit by 802.11ac(80MHz) with beam-forming

Note 1: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

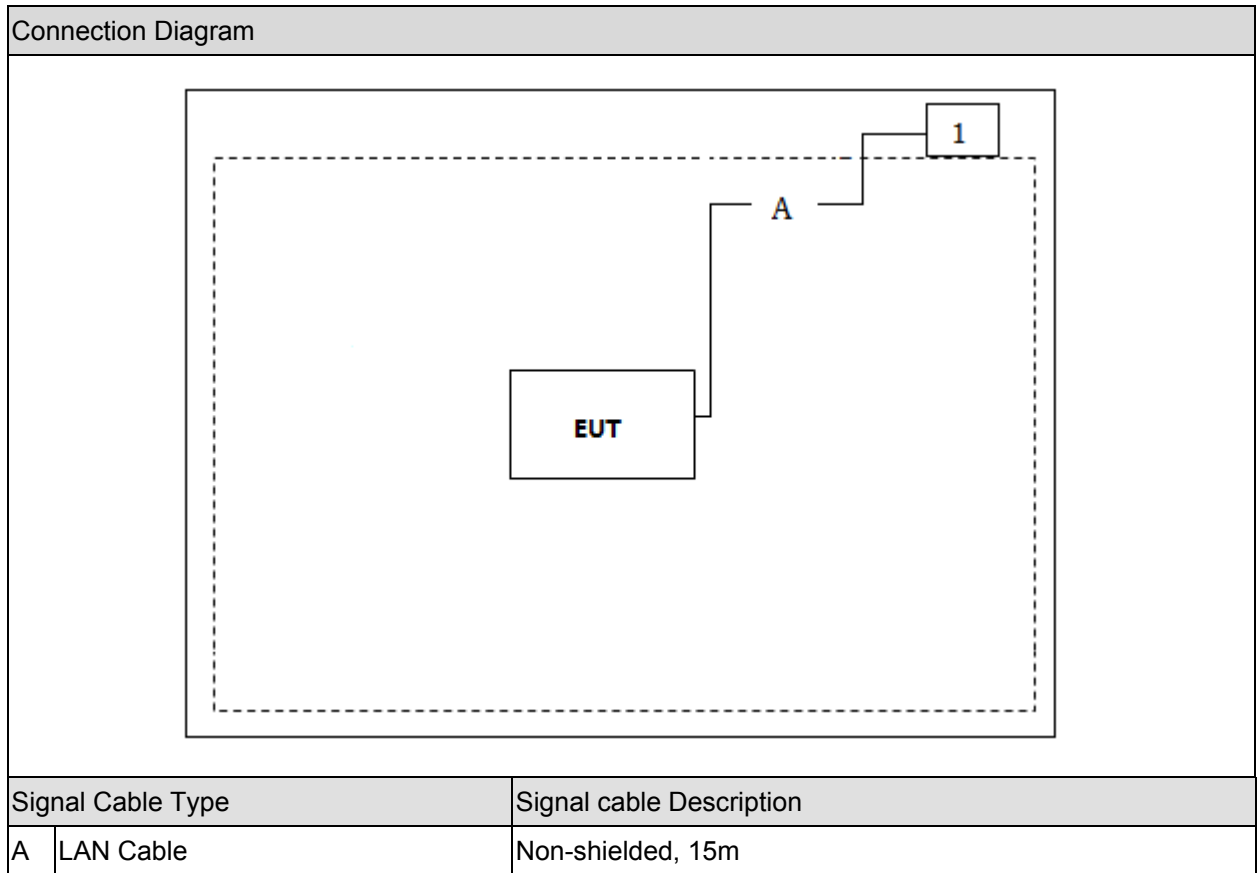
1.8. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

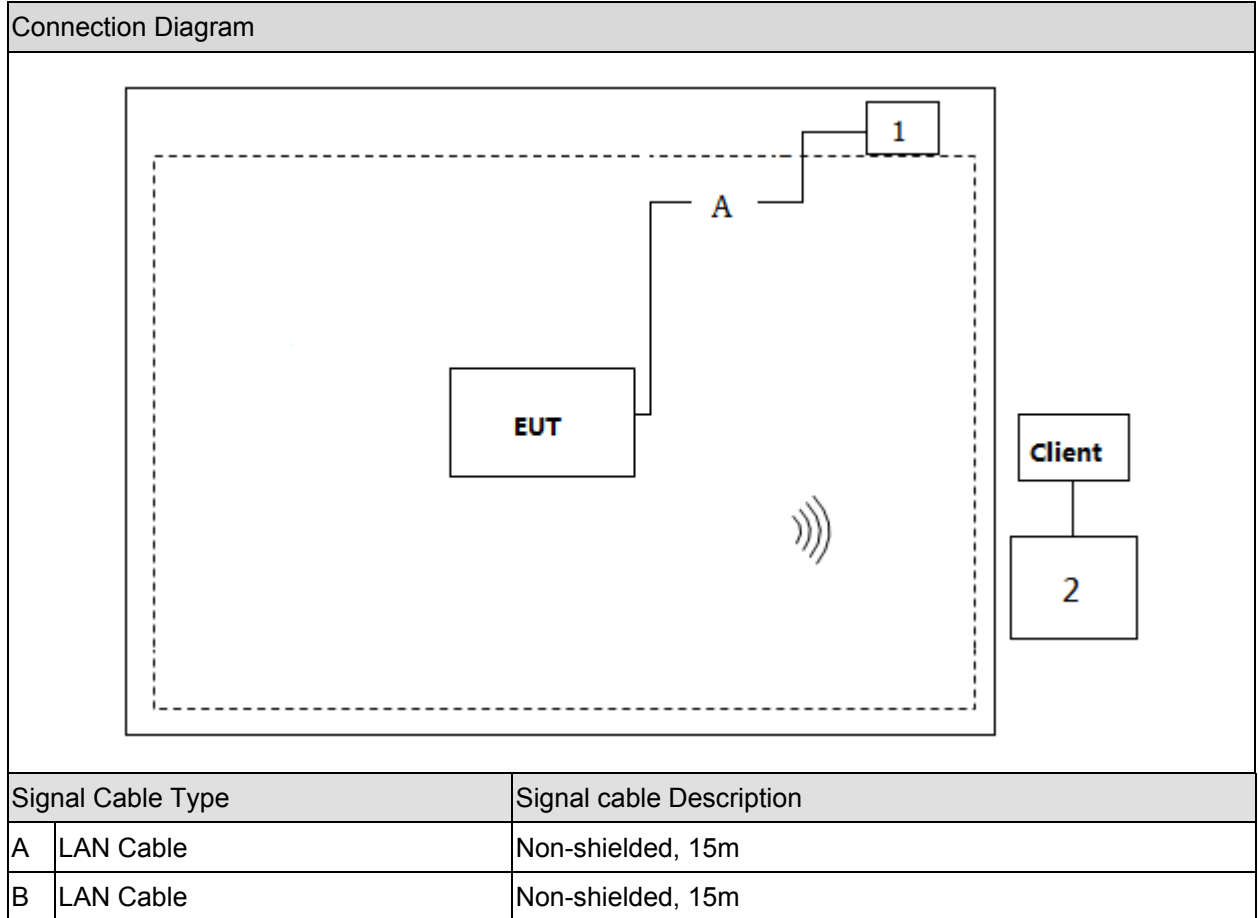
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Asus	N80V	8BN0AS226971468	None-shielded
2	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded

1.9. Configuration of Tested System

With CDD:



With beam-forming:



1.10. EUT Exercise Software

With CDD:

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Input RF commands, and set the test mode and channel, then press OK to start to continue transmit or receive.

With Beam-forming:

1	Setup the EUT and Client as shown on above.
2	Turn on the power of equipment.
3	Configure the client and connect the EUT.
3	Input RF commands, and set the test mode and channel, then use “Tfgen” to traffic and test.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

Performed Test Item	Normative References	Limit	Result
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.207	FCC 15.207	PASS
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.209	FCC 15.209	PASS
26dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	N/A	PASS
Power Output	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.205, 15.407(b)	FCC 15.407(b)	PASS
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(g)	Within the band	PASS

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

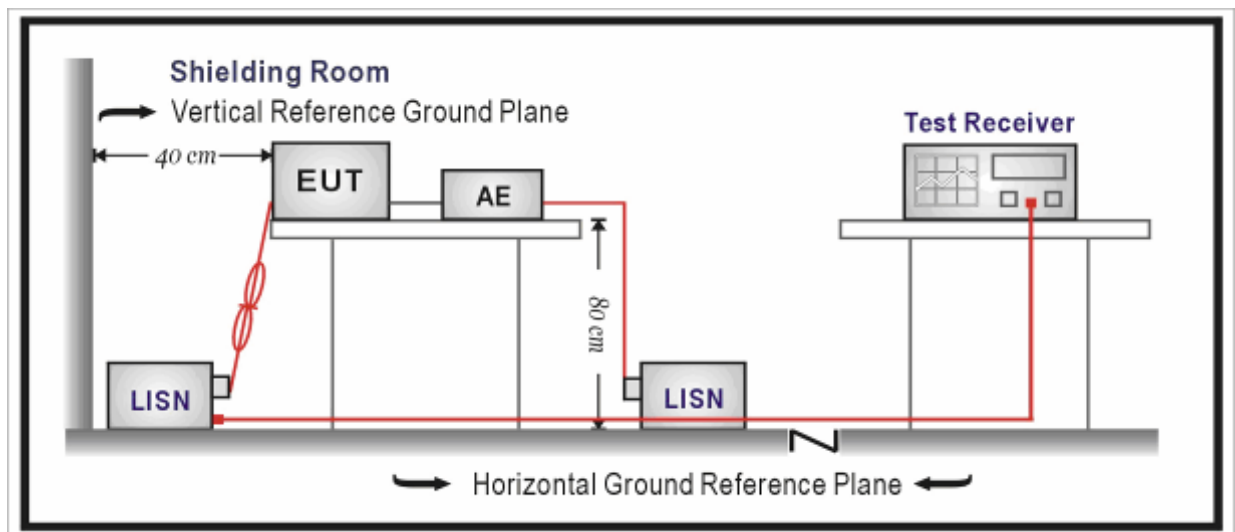
3. Conducted Emission

3.1. Test Equipment

Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100726	2016.03.29	2017.03.28
Two-Line V-Network	R&S	ENV216	100043	2016.03.29	2017.03.28
Two-Line V-Network	R&S	ENV216	100044	2015.09.17	2016.09.16
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2016.03.02	2017.03.01
50ohm Termination	SHX	TF2	07081401	2015.09.17	2016.09.16
Temperature/Humidity Meter	zhichen	ZC1-2	TR1-TH	2016.01.09	2017.01.08

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

Frequency (MHz)	QP (dB μ V)	AV (dB μ 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 0.15 MHz to 0.5 MHz.		

3.4. Test Procedure

Test Method			
	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices
☒	ANSI C63.4-2014	7	AC power-line conducted emission measurements

3.5. Uncertainty

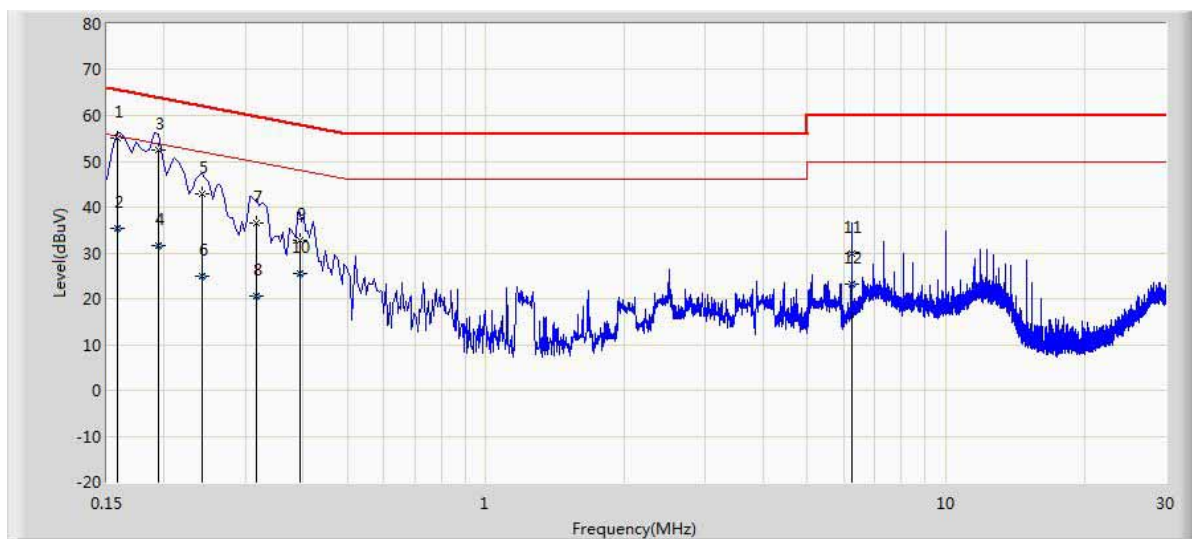
The measurement uncertainty is defined as ± 2.02 dB

3.6. Test Result

Product Name	: AC1200 Wireless Dual Band Gigabit Access Point	Polarity	: Line
Test Item	: AC Power Line Conducted Emission	Power	: AC 120V/60Hz
Test Site	: TR1	Test Mode	: Mode 1

No	Frequency (MHz)	Measured Level (dB μ V)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V)	Probe (dB)	Cable (dB)	Type
1	0.158	54.983	45.252	-10.585	65.568	9.671	0.060	QP
2	0.158	35.371	25.640	-20.197	55.568	9.671	0.060	AV
3	0.194	52.569	42.859	-11.295	63.864	9.650	0.060	QP
4	0.194	31.671	21.961	-22.193	53.864	9.650	0.060	AV
5	0.242	42.970	33.260	-19.057	62.027	9.650	0.060	QP
6	0.242	25.050	15.340	-26.977	52.027	9.650	0.060	AV
7	0.318	36.389	26.689	-23.370	59.759	9.640	0.060	QP
8	0.318	20.541	10.841	-29.218	49.759	9.640	0.060	AV
9	0.394	32.765	23.063	-25.214	57.979	9.640	0.062	QP
10	0.394	25.504	15.802	-22.475	47.979	9.640	0.062	AV
11	6.250	29.874	19.994	-30.126	60.000	9.690	0.190	QP
12	6.250	23.085	13.205	-26.915	50.000	9.690	0.190	AV

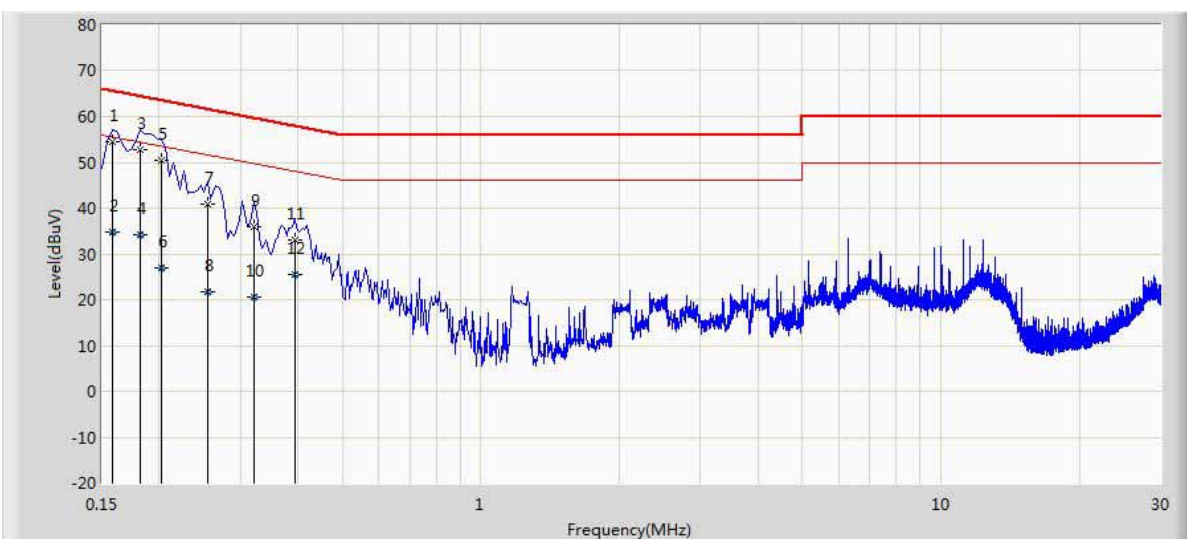
Polarity: Line



Product Name	: AC1200 Wireless Dual Band Gigabit Access Point	Polarity	: Neutral
Test Item	: AC Power Line Conducted Emission	Power	: AC 120V/60Hz
Test Site	: TR1	Test Mode	: Mode 1

No	Frequency (MHz)	Measured Level (dB μ V)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V)	Probe (dB)	Cable (dB)	Type
1	0.158	54.381	44.650	-11.187	65.568	9.671	0.060	QP
2	0.158	34.688	24.957	-20.880	55.568	9.671	0.060	AV
3	0.182	52.898	43.176	-11.496	64.394	9.662	0.060	QP
4	0.182	34.137	24.415	-20.257	54.394	9.662	0.060	AV
5	0.202	50.402	40.682	-13.126	63.528	9.660	0.060	QP
6	0.202	26.949	17.229	-26.579	53.528	9.660	0.060	AV
7	0.254	40.957	31.239	-20.668	61.625	9.658	0.060	QP
8	0.254	21.702	11.984	-29.923	51.625	9.658	0.060	AV
9	0.322	35.950	26.240	-23.705	59.655	9.650	0.060	QP
10	0.322	20.454	10.744	-29.201	49.655	9.650	0.060	AV
11	0.394	33.071	23.369	-24.908	57.979	9.640	0.062	QP
12	0.394	25.651	15.949	-22.328	47.979	9.640	0.062	AV

Polarity: Neutral



4. Radiated Emission

4.1. Test Equipment

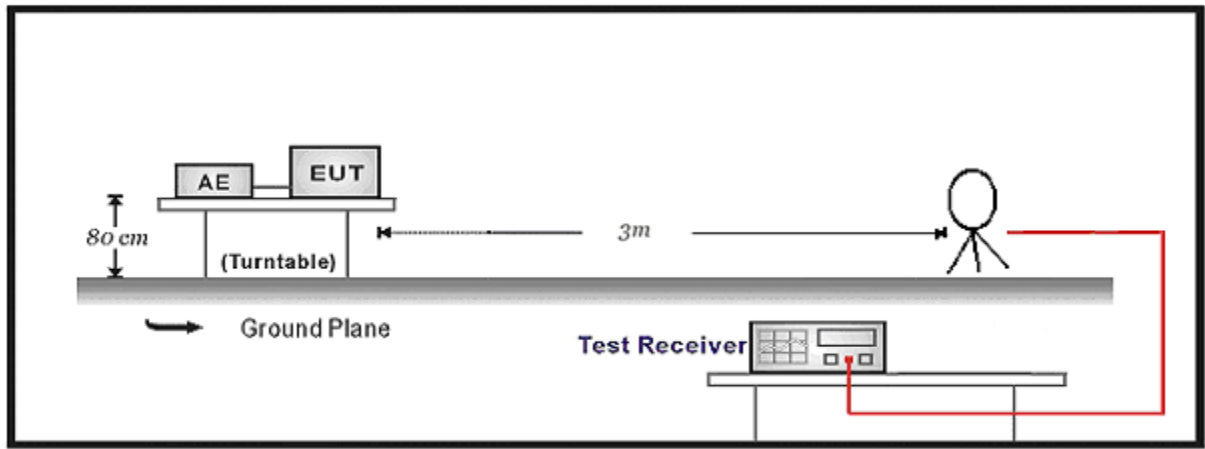
Radiated Emission / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2016.03.29	2017.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2015.11.18	2016.11.17
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2015.10.16	2016.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2016.03.02	2017.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2016.01.09	2017.01.08

Radiated Emission / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.01.08	2017.01.07
Preamplifier	Miteq	NSP1800-25	1364185	2015.05.06	2016.05.05
Preamplifier	Quietek	AP-040G	CHM-0906001	2015.05.06	2016.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2016.01.22	2017.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2015.11.25	2016.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2016.03.02	2017.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.06.10	2016.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2016.01.09	2017.01.08

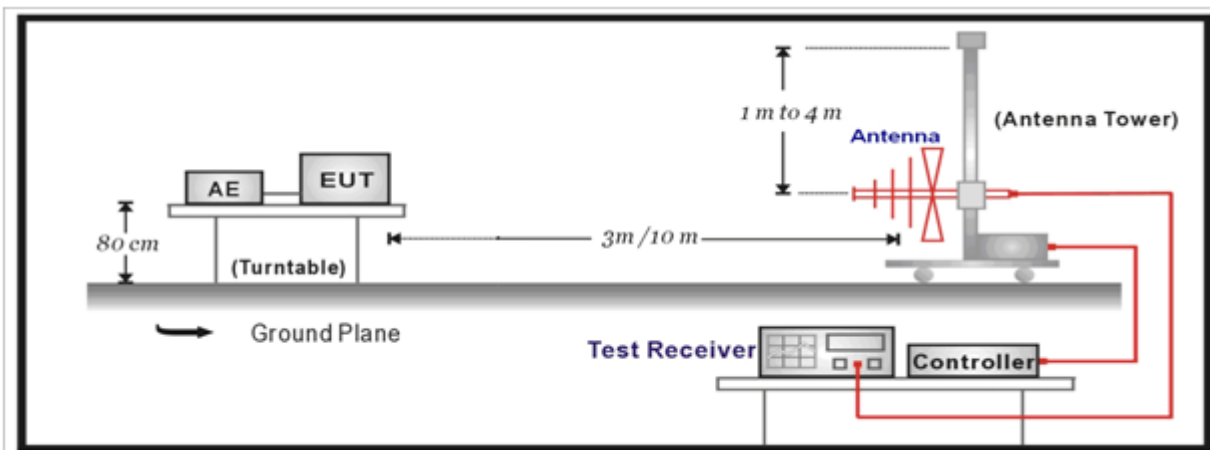
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. Test Setup

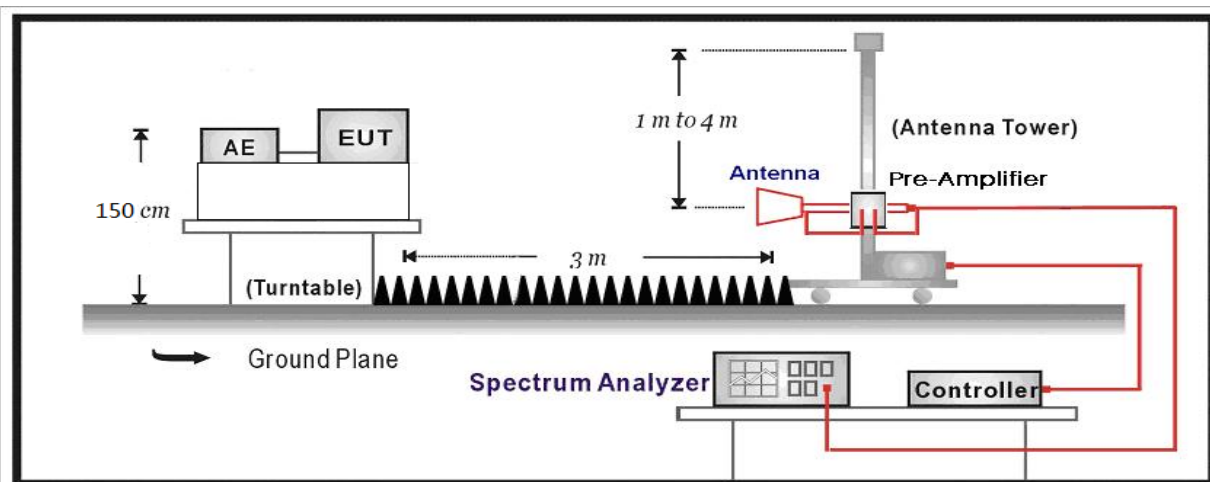
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)		
Frequency (MHz)	Distance (m)	Level (dB μ V/m)
0.009-0.490	300	2400/F(kHz)
0.490-1.705	30	24000/F(kHz)
1.705-30.0	30	30
30-88	3	100**
88-216	3	150**
216-960	3	200**
Above 960	3	500
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).		

FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
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
8.81425 – 8.81475	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	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5825	-27 [Note(1)]	68.3
	-17 [Note(2)]	78.3
Note1: Outside the frequency range 5715 - 5835MHz. Note2: Within the frequency range from the band edge to 10MHz below or above the band edge, 5715 – 5725MHz and 5825 - 5835MHz.		

4.4. Test Procedure

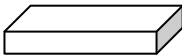
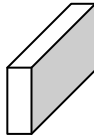
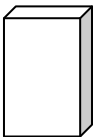
Test Method				
	References Rule		Chapter	Description
☐	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
☐	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	☒	ANSI C63.10	12.7.5	Radiated emission measurements
	☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v01r02		G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v01r02		G.1	Unwanted Emissions in the Restricted Bands
	☐	FCC KDB 789033 D02v01r02	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.6.c	Method AD (Average detection)—primary method
	☒	FCC KDB 789033 D02v01r02	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.5. Uncertainty

The measurement uncertainty above 1GHz is defined as ± 3.9 dB

below 1GHz is defined as ± 3.8 dB

4.6. EUT test Axis definition

Item	Radiated Emission			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1-12			
Test method	☒	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis ☐	Worst Axis ☐	Worst Axis ☒
	☐	Conducted		
	☐	Chain 0		
				
	☒	Chain 0	Chain 1	
				
		Worst Chain ☐	Worst Chain ☐	
☐	Chain 0	Chain 1	Chain 2	

				
		Worst Chain ☐	Worst Chain ☐	Worst Chain ☐

4.7. Test Result

Mode1: Transmit by 802.11a with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	32.4	15.3	47.7	54(Note3)	6.3	PK
		H	15540	24.1	22.3	46.4	54(Note3)	7.6	PK
		V	10360	32.6	15.3	47.9	54(Note3)	6.1	PK
		V	15540	23.1	22.3	45.4	54(Note3)	8.6	PK
	44	H	10401	31.6	18.7	50.3	54(Note3)	3.7	PK
		H	15594	20.6	27.5	48.1	54(Note3)	5.9	PK
		V	10401	31.5	18.7	50.2	54(Note3)	3.8	PK
		V	15603	19.6	27.5	47.1	54(Note3)	6.9	PK
	48	H	10486	32.4	17.2	49.6	54(Note3)	4.4	PK
		H	15720	20.1	26.4	46.5	54(Note3)	7.5	PK
		V	10486	32.7	17.2	49.9	54(Note3)	4.1	PK
		V	15713.5	20.4	26.4	46.8	54(Note3)	7.2	PK
	149	H	11490	30.7	19.2	49.9	54(Note3)	4.1	PK
		H	17235	23.6	24.3	47.9	54(Note3)	6.1	PK
		V	11490	33.6	19.2	52.8	54(Note3)	1.2	PK
		V	17235	23.8	24.3	48.1	54(Note3)	5.9	PK
	157	H	11565.5	29.5	22.4	51.9	54(Note3)	2.1	PK
		H	17362.5	23.3	25.8	49.1	54(Note3)	4.9	PK
		V	11565.5	30.4	22.4	52.8	54(Note3)	1.2	PK
		V	17345.5	24.0	25.8	49.8	54(Note3)	4.2	PK
	165	H	11650.5	27.2	23.2	50.4	54(Note3)	3.6	PK
		H	17475	23.2	25.9	49.1	54(Note3)	4.9	PK
		V	11650.5	29.1	23.2	52.3	54(Note3)	1.7	PK
		V	17475	22.9	25.9	48.8	54(Note3)	5.2	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

Mode 2: Transmit by 802.11n(20MHz) with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	31.3	15.3	46.6	54(Note3)	7.4	PK
		H	15540	23.8	22.3	46.1	54(Note3)	7.9	PK
		V	10360	32.0	15.3	47.3	54(Note3)	6.7	PK
		V	15540	24.0	22.3	46.3	54(Note3)	7.7	PK
	44	H	10401	29.8	18.7	48.5	54(Note3)	5.5	PK
		H	15603	21.2	27.5	48.7	54(Note3)	5.3	PK
		V	10401	32.3	18.7	51.0	54(Note3)	3.0	PK
		V	15603	19.5	27.5	47.0	54(Note3)	7.0	PK
	48	H	10477.5	32.9	17.2	50.1	54(Note3)	3.9	PK
		H	15722	20.4	26.4	46.8	54(Note3)	7.2	PK
		V	10486	32.9	17.2	50.1	54(Note3)	3.9	PK
		V	15713	20.6	26.4	47.0	54(Note3)	7.0	PK
	149	H	11490	32.4	19.2	51.6	54(Note3)	2.4	PK
		H	17235	23.4	24.3	47.7	54(Note3)	6.3	PK
		V	11489	28.6	19.2	47.8	54(Note3)	6.2	PK
		V	17235	23.6	24.3	47.9	54(Note3)	6.1	PK
	157	H	11574	28.6	22.4	51	54(Note3)	3.0	PK
		H	17345	23.3	25.8	49.1	54(Note3)	4.9	PK
		V	11574	28.9	22.4	51.3	54(Note3)	2.7	PK
		V	17345	23.7	25.8	49.5	54(Note3)	4.5	PK
	165	H	11650	27.1	19.3	46.4	54(Note3)	7.6	PK
		H	17475	24.1	24.3	48.4	54(Note3)	5.6	PK
		V	11650.5	29.2	19.6	48.8	54(Note3)	5.2	PK
		V	17475	24.2	24.3	48.5	54(Note3)	5.5	PK

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Mode 3: Transmit by 802.11n(40MHz) with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	38	H	10380	32.0	15.8	47.8	54(Note3)	6.2	PK
		H	15570	22.9	22.3	45.2	54(Note3)	8.8	PK
		V	10380	31.1	15.8	46.9	54(Note3)	7.1	PK
		V	15570	22.8	22.3	45.1	54(Note3)	8.9	PK
	46	H	10460.5	34.0	15.4	49.4	54(Note3)	4.6	PK
		H	15679.5	28.1	22.6	50.7	54(Note3)	3.3	PK
		V	10452	31.2	15.5	46.7	54(Note3)	7.3	PK
		V	15679.5	28.0	22.6	50.6	54(Note3)	3.4	PK
	151	H	11510	31.1	18.4	49.5	54(Note3)	4.5	PK
		H	17265	24.9	24.5	49.4	54(Note3)	4.6	PK
		V	11510	31.4	18.4	49.8	54(Note3)	4.2	PK
		V	17265	24.0	24.5	48.5	54(Note3)	5.5	PK
	159	H	11590	40.9	6.5	47.4	54(Note3)	6.6	PK
		H	17385	35.3	13.3	48.6	54(Note3)	5.4	PK
		V	11590	40.1	6.5	46.6	54(Note3)	7.4	PK
		V	17385	35.3	13.3	48.6	54(Note3)	5.4	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

Mode 4: Transmit by 802.11ac(20MHz) with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	31.5	15.3	46.8	54(Note3)	7.2	PK
		H	15540	24.2	22.3	46.5	54(Note3)	7.5	PK
		V	10360	32.0	15.3	47.3	54(Note3)	6.7	PK
		V	15540	24.0	22.3	46.3	54(Note3)	7.7	PK
	44	H	10401	29.6	18.7	48.3	54(Note3)	5.7	PK
		H	15603	20.8	27.5	48.3	54(Note3)	5.7	PK
		V	10401	32.5	18.7	51.2	54(Note3)	2.8	PK
		V	15603	19.8	27.5	47.3	54(Note3)	6.7	PK
	48	H	10477.5	32.4	17.2	49.6	54(Note3)	4.4	PK
		H	15722	20.5	26.4	46.9	54(Note3)	7.1	PK
		V	10486	32.5	17.2	49.7	54(Note3)	4.3	PK
		V	15713	20.4	26.4	46.8	54(Note3)	7.2	PK
	149	H	11490	32.4	19.2	51.6	54(Note3)	2.4	PK
		H	17235	23.4	24.3	47.7	54(Note3)	6.3	PK
		V	11489	28.0	19.2	47.2	54(Note3)	6.8	PK
		V	17235	23.5	24.3	47.8	54(Note3)	6.2	PK
	157	H	11574	29.4	22.4	51.8	54(Note3)	2.2	PK
		H	17345	23.3	25.8	49.1	54(Note3)	4.9	PK
		V	11574	29.6	22.4	52.0	54(Note3)	2.0	PK
		V	17345	23.1	25.8	48.9	54(Note3)	5.1	PK
	165	H	11650	27.8	19.3	47.1	54(Note3)	6.9	PK
		H	17475	24.0	24.3	48.3	54(Note3)	5.7	PK
		V	11650.5	29.4	19.6	49.0	54(Note3)	5.0	PK
		V	17475	24.1	24.3	48.4	54(Note3)	5.6	PK

1. Measure Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Mode5: Transmit by 802.11ac(40MHz) with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	38	H	10380	31.7	15.8	47.5	54(Note3)	6.5	PK
		H	15570	22.4	22.3	44.7	54(Note3)	9.3	PK
		V	10380	30.9	15.8	46.7	54(Note3)	7.3	PK
		V	15570	22.7	22.3	45.0	54(Note3)	9.0	PK
	46	H	10460.5	33.3	15.4	48.7	54(Note3)	5.3	PK
		H	15679.5	27.9	22.6	50.5	54(Note3)	3.5	PK
		V	10452	31.0	15.5	46.5	54(Note3)	7.5	PK
		V	15679.5	28.8	22.6	51.4	54(Note3)	2.6	PK
	151	H	11510	31.1	18.4	49.5	54(Note3)	4.5	PK
		H	17265	24.8	24.5	49.3	54(Note3)	4.7	PK
		V	11510	31.9	18.4	50.3	54(Note3)	3.7	PK
		V	17265	24.4	24.5	48.9	54(Note3)	5.1	PK
	159	H	11590	41.7	6.5	48.2	54(Note3)	5.8	PK
		H	17385	36.0	13.3	49.3	54(Note3)	4.7	PK
		V	11590	40.1	6.5	46.6	54(Note3)	7.4	PK
		V	17385	35.4	13.3	48.7	54(Note3)	5.3	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

Mode6: Transmit by 802.11ac(80MHz) with CDD									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	MeasuredLevel (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	42	H	10420	33.5	15.6	49.1	54(Note3)	4.9	PK
		H	15630	27.9	22.9	50.8	54(Note3)	3.2	PK
		V	10420	31.3	15.5	46.8	54(Note3)	7.2	PK
		V	15630	28.1	22.7	50.8	54(Note3)	3.2	PK
	155	H	11550	31.3	17.7	49.0	54(Note3)	5.0	PK
		H	17325	24.2	24.8	49.0	54(Note3)	5.0	PK
		V	11550	31.2	17.6	48.8	54(Note3)	5.2	PK
		V	17325	23.9	24.5	48.4	54(Note3)	5.6	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

Mode7: Transmit by 802.11a with beam-forming									
Chain	CH	Antenna Polarity a	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	31.4	15.3	46.7	54(Note3)	7.3	PK
		H	15540	25.0	22.3	47.3	54(Note3)	6.7	PK
		V	10360	31.7	15.3	47.0	54(Note3)	7.0	PK
		V	15540	22.8	22.3	45.1	54(Note3)	8.9	PK
	44	H	10401	30.8	18.7	49.5	54(Note3)	4.5	PK
		H	15594	20.1	27.5	47.6	54(Note3)	6.4	PK
		V	10401	30.7	18.7	49.4	54(Note3)	4.6	PK
		V	15603	20.2	27.5	47.7	54(Note3)	6.3	PK
	48	H	10486	31.3	17.2	48.5	54(Note3)	5.5	PK
		H	15720	19.7	26.4	46.1	54(Note3)	7.9	PK
		V	10486	31.8	17.2	49.0	54(Note3)	5.0	PK
		V	15720	21.2	26.4	47.6	54(Note3)	6.4	PK
	149	H	11490	30.0	19.2	49.2	54(Note3)	4.8	PK
		H	17235	21.4	24.3	45.7	54(Note3)	8.3	PK
		V	11490	31.2	19.2	50.4	54(Note3)	3.6	PK
		V	17235	22.1	24.3	46.4	54(Note3)	7.6	PK
	157	H	11565.5	27.9	22.4	50.3	54(Note3)	3.7	PK
		H	17362.5	21.9	25.8	47.7	54(Note3)	6.3	PK
		V	11565.5	28.6	22.4	51.0	54(Note3)	3.0	PK
		V	17345.5	24.0	25.8	49.8	54(Note3)	4.2	PK
	165	H	11650.5	27.2	23.2	50.4	54(Note3)	3.6	PK
		H	17475	23.2	25.9	49.1	54(Note3)	4.9	PK
		V	11650.5	28.6	23.2	51.8	54(Note3)	2.2	PK
		V	17475	22.9	25.9	48.8	54(Note3)	5.2	PK

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Mode 8: Transmit by 802.11n(20MHz) with beam-forming									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	31.2	15.3	46.5	54(Note3)	7.5	PK
		H	15540	23.5	22.3	45.8	54(Note3)	8.2	PK
		V	10360	31.1	15.3	46.4	54(Note3)	7.6	PK
		V	15540	22.8	22.3	45.1	54(Note3)	8.9	PK
	44	H	10401	28.5	18.7	47.2	54(Note3)	6.8	PK
		H	15603	20.4	27.5	47.9	54(Note3)	6.1	PK
		V	10401	30.9	18.7	49.6	54(Note3)	4.4	PK
		V	15603	18.5	27.5	46.0	54(Note3)	8.0	PK
	48	H	10477.5	31.9	17.2	49.1	54(Note3)	4.9	PK
		H	15722	20.5	26.4	46.9	54(Note3)	7.1	PK
		V	10486	30.7	17.2	47.9	54(Note3)	6.1	PK
		V	15713	20.4	26.4	46.8	54(Note3)	7.2	PK
	149	H	11490	30.3	19.2	49.5	54(Note3)	4.5	PK
		H	17235	23.4	24.3	47.7	54(Note3)	6.3	PK
		V	11489	28.7	19.2	47.9	54(Note3)	6.1	PK
		V	17235	23.7	24.3	48.0	54(Note3)	6.0	PK
	157	H	11574	23.6	22.4	46.0	54(Note3)	8.0	PK
		H	17345	23.2	25.8	49.0	54(Note3)	5.0	PK
		V	11574	27.5	22.4	49.9	54(Note3)	4.1	PK
		V	17345	22.8	25.8	48.6	54(Note3)	5.4	PK
	165	H	11650	28.1	19.3	47.4	54(Note3)	6.6	PK
		H	17475	23.1	24.3	47.4	54(Note3)	6.6	PK
		V	11650.5	26.3	19.6	45.9	54(Note3)	8.1	PK
		V	17475	24.2	24.3	48.5	54(Note3)	5.5	PK

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Mode 9: Transmit by 802.11n(40MHz) with beam-forming									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	38	H	10380	33.1	15.8	48.9	54(Note3)	5.1	PK
		H	15570	25.1	22.3	47.4	54(Note3)	6.6	PK
		V	10380	30.5	15.8	46.3	54(Note3)	7.7	PK
		V	15570	23.5	22.3	45.8	54(Note3)	8.2	PK
	46	H	10460	32.8	15.4	48.2	54(Note3)	5.8	PK
		H	15690	27.5	22.6	50.1	54(Note3)	3.9	PK
		V	10460	32.1	15.5	47.6	54(Note3)	6.4	PK
		V	15690	26.7	22.6	49.3	54(Note3)	4.7	PK
	151	H	11510	30.9	18.4	49.3	54(Note3)	4.7	PK
		H	17265	25.1	24.5	49.6	54(Note3)	4.4	PK
		V	11510	31.7	18.4	50.1	54(Note3)	3.9	PK
		V	17265	23.3	24.5	47.8	54(Note3)	6.2	PK
	159	H	11590	20.6	22.4	43.0	54(Note3)	11.0	PK
		H	17385	34.3	13.3	47.6	54(Note3)	6.4	PK
		V	11590	20.7	22.4	43.1	54(Note3)	10.9	PK
		V	17385	33.8	13.3	47.1	54(Note3)	6.9	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

Mode10: Transmit by 802.11ac(20MHz) with beam-forming									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	36	H	10360	31.0	15.3	46.3	54(Note3)	7.7	PK
		H	15540	23.1	22.3	45.4	54(Note3)	8.6	PK
		V	10360	31.0	15.3	46.3	54(Note3)	7.7	PK
		V	15540	24.2	22.3	46.5	54(Note3)	7.5	PK
	44	H	10401	28.7	18.7	47.4	54(Note3)	6.6	PK
		H	15603	21.1	27.5	48.6	54(Note3)	5.4	PK
		V	10401	30.9	18.7	49.6	54(Note3)	4.4	PK
		V	15603	20.0	27.5	47.5	54(Note3)	6.5	PK
	48	H	10477.5	31.4	17.2	48.6	54(Note3)	5.4	PK
		H	15722	20.4	26.4	46.8	54(Note3)	7.2	PK
		V	10486	31.9	17.2	49.1	54(Note3)	4.9	PK
		V	15713	20.5	26.4	46.9	54(Note3)	7.1	PK
	149	H	11490	30.1	19.2	49.3	54(Note3)	4.7	PK
		H	17235	24.1	24.3	48.4	54(Note3)	5.6	PK
		V	11489	28.3	19.2	47.5	54(Note3)	6.5	PK
		V	17235	22.7	24.3	47.0	54(Note3)	7.0	PK
	157	H	11574	27.8	22.4	50.2	54(Note3)	3.8	PK
		H	17345	23.2	25.8	49.0	54(Note3)	5.0	PK
		V	11574	24.6	22.4	47.0	54(Note3)	7.0	PK
		V	17345	24.0	25.8	49.8	54(Note3)	4.2	PK
	165	H	11650	29.5	19.3	48.8	54(Note3)	5.2	PK
		H	17475	24.1	24.3	48.4	54(Note3)	5.6	PK
		V	11650.5	27.8	19.6	47.4	54(Note3)	6.6	PK
		V	17475	24.1	24.3	48.4	54(Note3)	5.6	PK

1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Mode11: Transmit by 802.11ac(40MHz) with beam-forming									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	38	H	10380	32.1	15.8	47.9	54(Note3)	6.1	PK
		H	15570	23.1	22.3	45.4	54(Note3)	8.6	PK
		V	10380	30.5	15.8	46.3	54(Note3)	7.7	PK
		V	15570	23.1	22.3	45.4	54(Note3)	8.6	PK
	46	H	10460.5	34.1	15.4	49.5	54(Note3)	4.5	PK
		H	15679.5	28.4	22.6	51.0	54(Note3)	3.0	PK
		V	10452	30.5	15.5	46.0	54(Note3)	8.0	PK
		V	15679.5	26.1	22.6	48.7	54(Note3)	5.3	PK
	151	H	11510	30.4	18.4	48.8	54(Note3)	5.2	PK
		H	17265	23.5	24.5	48.0	54(Note3)	6.0	PK
		V	11510	30.4	18.4	48.8	54(Note3)	5.2	PK
		V	17265	23.2	24.5	47.7	54(Note3)	6.3	PK
	159	H	11590	30.1	17.7	47.8	54(Note3)	6.2	PK
		H	17385	34.8	13.3	48.1	54(Note3)	5.9	PK
		V	11590	30.1	17.7	47.8	54(Note3)	6.2	PK
		V	17385	35.4	13.3	48.7	54(Note3)	5.3	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

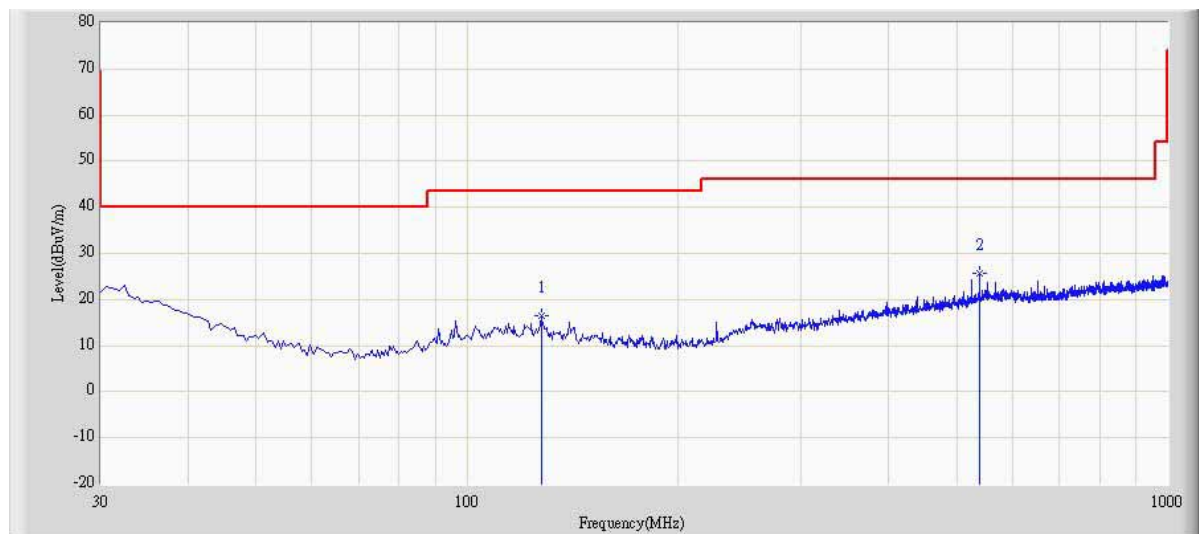
Mode12: Transmit by 802.11ac(80MHz) with beam-forming									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0+1	42	H	10420	33.6	15.6	49.2	54(Note3)	4.8	PK
		H	15630	28.0	22.9	50.9	54(Note3)	3.1	PK
		V	10420	30.4	15.5	45.9	54(Note3)	8.1	PK
		V	15630	28.0	22.7	50.7	54(Note3)	3.3	PK
	155	H	11550	31.5	17.7	49.2	54(Note3)	4.8	PK
		H	17325	26.1	24.8	50.9	54(Note3)	3.1	PK
		V	11550	32.1	17.6	49.7	54(Note3)	4.3	PK
		V	17325	22.0	24.5	46.5	54(Note3)	7.5	PK
1. Measured Level = Reading Level + Factor.									
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.									
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.									

The worst case of Radiated Emission below 1GHz:

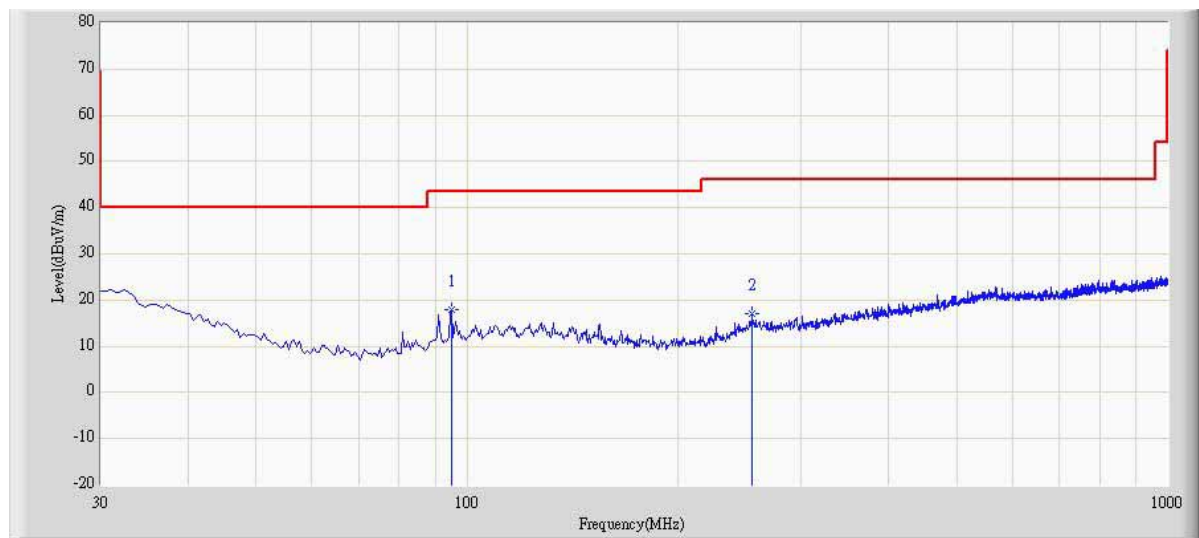
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
Ant 0+1	1	H	127.485	16.567	3.632	-26.933	43.500	12.935	QP
		H	539.250	25.611	4.699	-20.389	46.000	20.912	QP
		V	94.990	18.057	7.378	-25.443	43.500	10.679	QP
		V	255.525	16.969	2.478	-29.031	46.000	14.491	QP

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

Polarity: Horizontal



Polarity: Vertical



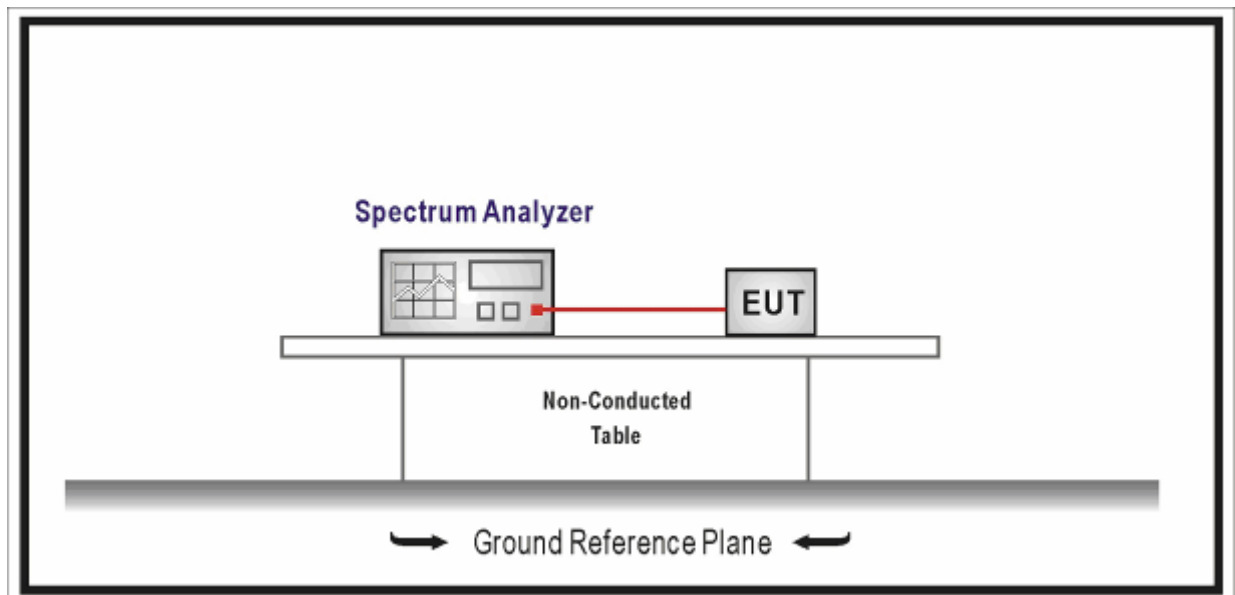
5. Emission bandwidth and occupied bandwidth

5.1. Test Equipment

Emission bandwidth and occupied bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



5.3. Limit

N/A

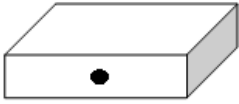
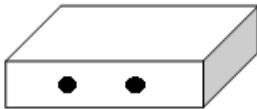
5.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
☒	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	☐ ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	☒ ANSI C63.10	12.4.2	Occupied bandwidth (99%)
☒	FCC KDB 789033 D02v01r02	C	Bandwidth Measurement
	☒ FCC KDB 789033 D02v01r02	C.1	Emission Bandwidth (26dB)
	☒ FCC KDB 789033 D02v01r02	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☒	FCC KDB 789033 D02v01r02	D	99 Percent Occupied Bandwidth

5.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

5.6. EUT test Axis definition

Item	Occupied bandwidth			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1 ~ Mode 6			
	☒	Conducted		
	☒	Chain 0		
				
	☒	Chain 0	Chain 1	
				
		Worst Chain ☐	Worst Chain ☐	
	☐	Chain 0	Chain 1	Chain 2
				
	Worst Chain ☐	Worst Chain ☐	Worst Chain ☐	

5.7. Test Result

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higher Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
36	5180	20.47	20.25	16.688	16.670	5171.66	5171.67	Pass
44	5220	20.35	20.31	16.699	16.648	N/A	N/A	Pass
48	5240	19.97	20.10	16.721	16.703	5248.36	5248.35	Pass
149	5745	20.41	20.18	16.732	16.669	N/A	N/A	Pass
157	5785	19.87	19.89	16.671	16.633	N/A	N/A	Pass
165	5825	20.00	20.15	16.647	16.661	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 1 as below:

Mode 1 CH48 (5240MHz) Ant 0

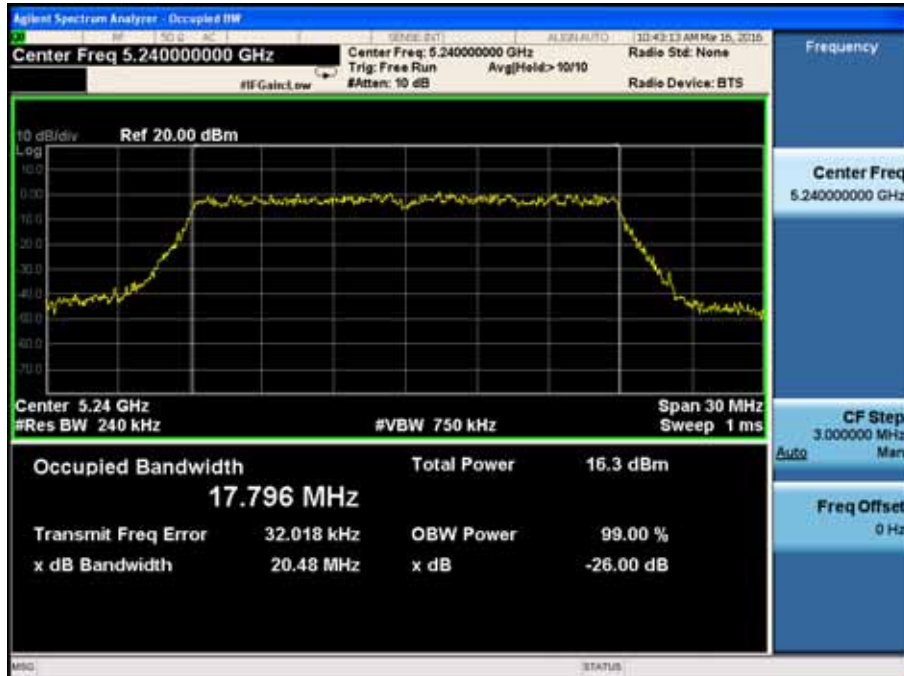


Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higer Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
36	5180	20.28	20.53	17.789	17.772	5171.11	5171.11	Pass
44	5220	20.53	20.52	17.771	17.783	N/A	N/A	Pass
48	5240	20.48	20.30	17.796	17.770	5248.90	5248.89	Pass
149	5745	20.27	20.21	17.793	17.731	N/A	N/A	Pass
157	5785	20.50	20.27	17.757	17.733	N/A	N/A	Pass
165	5825	20.15	20.18	17.772	17.779	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 2 as below:

Mode 2 CH48 (5240MHz) Ant 0

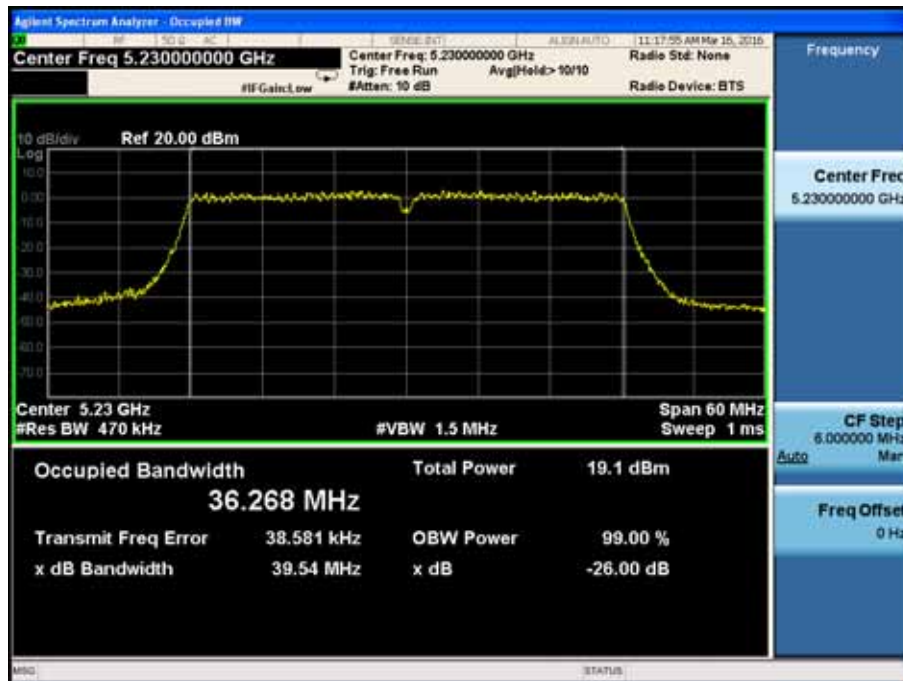


Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higher Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
38	5190	39.46	39.60	36.270	36.271	5171.86	5171.86	Pass
46	5230	39.36	39.54	36.251	36.268	5248.13	5248.13	Pass
151	5755	39.26	39.16	36.298	36.265	N/A	N/A	Pass
159	5795	39.46	39.10	36.286	36.279	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 3 as below:

Mode 3 CH46 (5230MHz) Ant 1

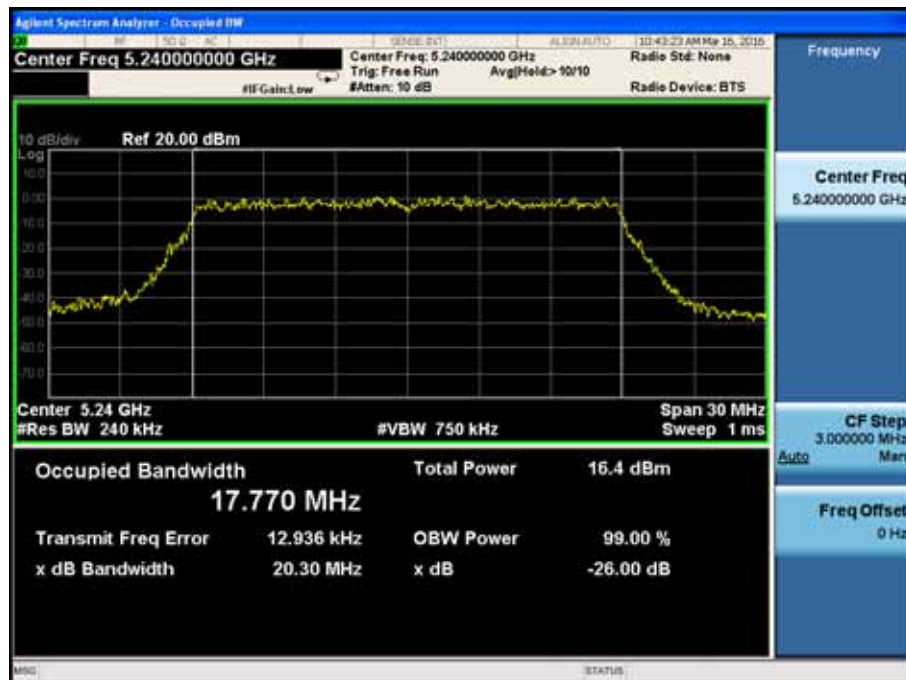


Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz) with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higher Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
36	5180	20.26	20.48	17.767	17.768	5171.12	5171.12	Pass
44	5220	20.45	20.55	17.767	17.764	N/A	N/A	Pass
48	5240	20.49	20.30	17.767	17.770	5248.88	5248.89	Pass
149	5745	20.25	20.23	17.776	17.740	N/A	N/A	Pass
157	5785	20.48	20.29	17.764	17.748	N/A	N/A	Pass
165	5825	20.19	20.15	17.769	17.764	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 4 as below:

Mode 2 CH48 (5240MHz) Ant 0

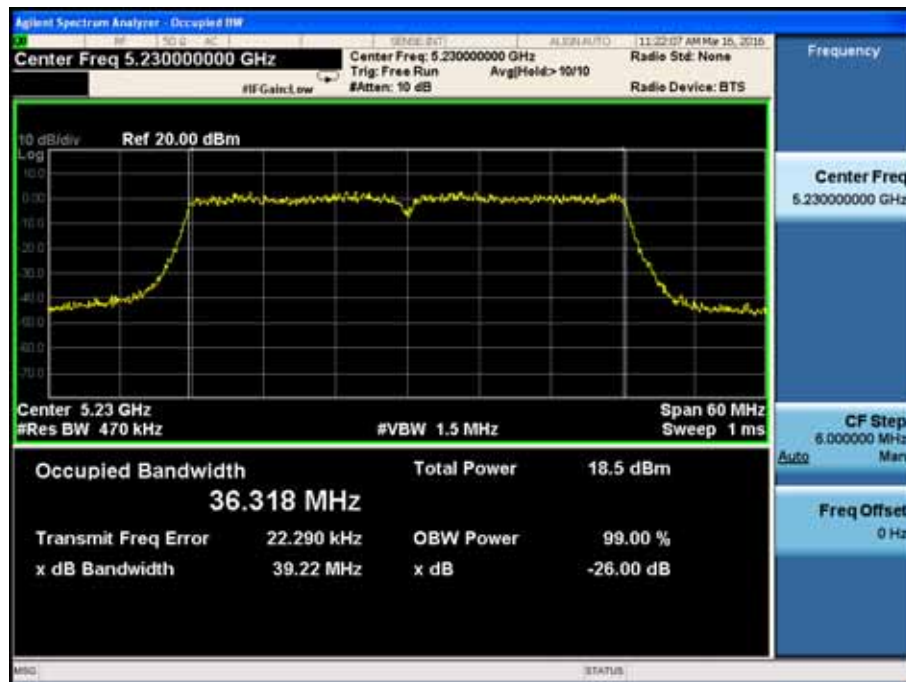


Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11ac(40MHz) with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higher Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
38	5190	39.58	39.21	36.243	36.287	5171.88	5171.86	Pass
46	5230	39.22	39.51	36.318	36.266	5248.16	5248.13	Pass
151	5755	39.35	39.20	36.274	36.300	N/A	N/A	Pass
159	5795	39.16	39.41	36.312	36.314	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 5 as below:

Mode 5 CH46 (5230MHz) Ant 0

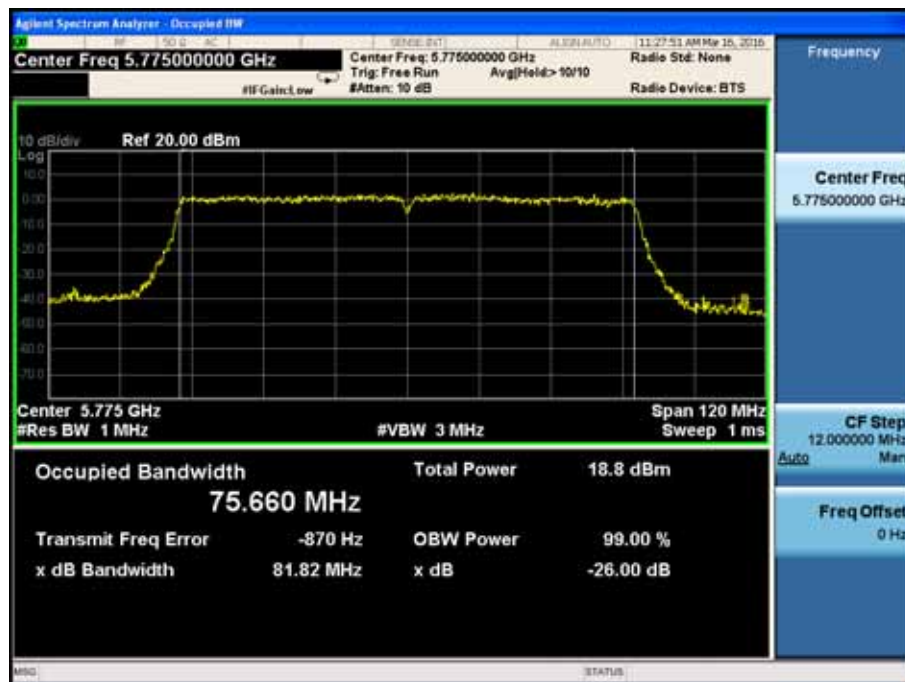


Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 6: Transmit by 802.11ac(80MHz) with CDD

Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)		99% Occupied Bandwidth (MHz)		Lower/Higher Frequency (MHz)		Result
		Ant0	Ant1	Ant0	Ant1	Ant0	Ant1	
42	5210	81.69	81.88	75.655	75.600	5172.17/ 5247.83	5172.10/ 5247.80	Pass
155	5775	81.82	81.86	75.660	75.621	N/A	N/A	Pass

The worst case of Occupied Bandwidth in mode 6 as below:

Mode 6 CH155 (5775MHz) Ant 0



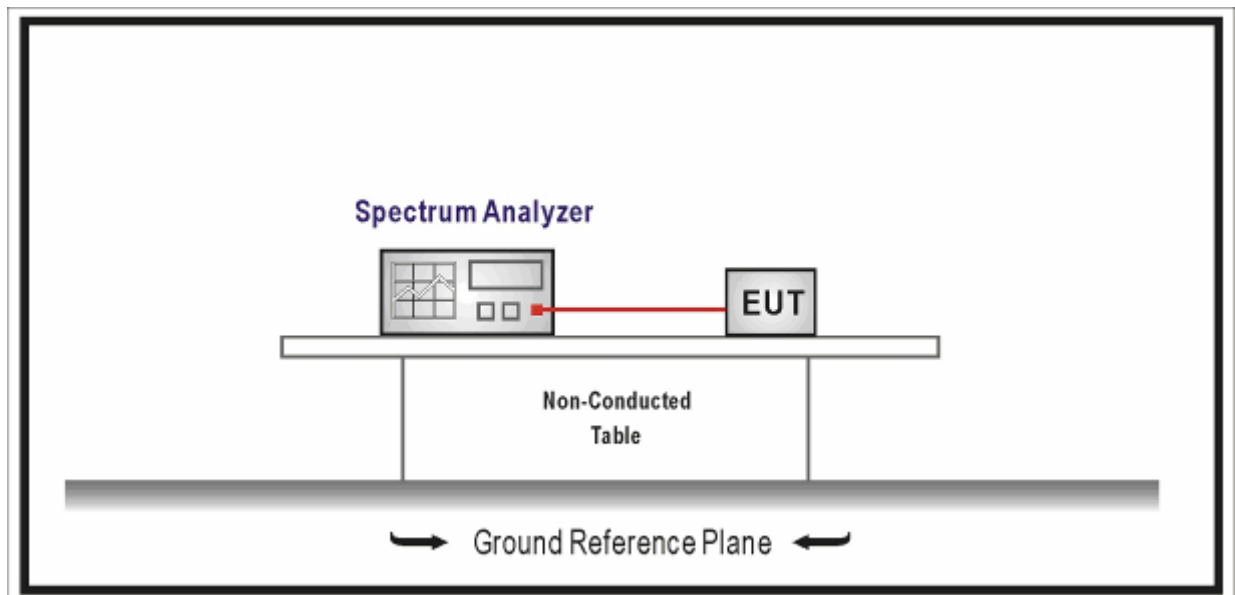
6. 6dB bandwidth

6.1. Test Equipment

Emission bandwidth and occupied bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

6.2. Test Setup



6.3. Limit

>500kHz

6.4. Test Procedure

Test Method			
	References Rule	Chapter	Description
☒	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	☐ ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	☒ ANSI C63.10	12.4.2	Occupied bandwidth (99%)
☒	FCC KDB 789033 D02v01r02	C	Bandwidth Measurement
	☐ FCC KDB 789033 D02v01r02	C.1	Emission Bandwidth (26dB)
	☒ FCC KDB 789033 D02v01r02	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v01r02	D	99 Percent Occupied Bandwidth

6.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

6.6. EUT test Axis definition

Item	Occupied bandwidth			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1 ~ Mode 12			
	☒	Conducted		
	☐	Chain 0		
				
	☒	Chain 0	Chain 1	
				
		Worst Chain ☐	Worst Chain ☐	
	☐	Chain 0	Chain 1	Chain 2
				
	Worst Chain ☐	Worst Chain ☐	Worst Chain ☐	

6.7. Test Result

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	6dB Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1~12

CDD mode:

Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (kHz)	Result
			Ant0	Ant1		
1	149	5745	16.50	16.58	>500	Pass
	157	5785	16.45	16.43		Pass
	165	5825	16.45	16.46		Pass
2	149	5745	17.72	17.73		Pass
	157	5785	17.73	17.69		Pass
	165	5825	17.69	17.73		Pass
3	151	5755	36.49	36.37		Pass
	159	5795	36.45	36.41		Pass
4	149	5745	17.72	17.69		Pass
	157	5785	17.75	17.75		Pass
	165	5825	17.65	17.76		Pass
5	151	5755	36.44	36.45		Pass
	159	5795	36.46	36.44		Pass
6	155	5775	76.22	76.40		Pass

The worst case of 6dB Bandwidth in CDD mode as below:

Mode 1 CH157 (5785MHz) Ant 1



Beam-forming mode:

Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)		Limit (kHz)	Result
			Ant0	Ant1		
1	149	5745	16.41	16.52	>500	Pass
	157	5785	16.39	16.36		Pass
	165	5825	16.40	16.24		Pass
2	149	5745	17.64	17.64		Pass
	157	5785	17.65	17.62		Pass
	165	5825	17.65	17.62		Pass
3	151	5755	36.42	36.40		Pass
	159	5795	36.35	36.41		Pass
4	149	5745	17.66	17.70		Pass
	157	5785	17.60	17.65		Pass
	165	5825	17.66	17.75		Pass
5	151	5755	36.40	36.40		Pass
	159	5795	36.40	36.37		Pass
6	155	5775	75.44	75.87		Pass

The worst case of 6dB Bandwidth in Beam-forming mode as below:

Mode 1 CH165 (5825MHz) Ant 1

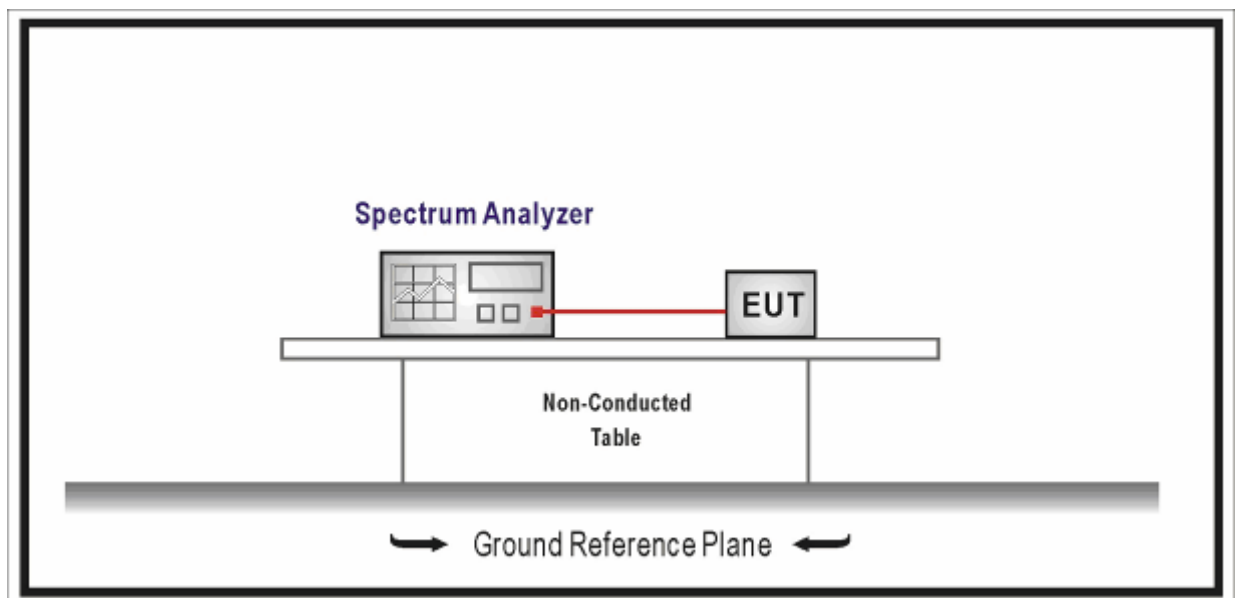


7. Power Output

7.1. Test Equipment

Power Output / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Power Sensor	Anritsu	MA2411B	0846014	2016.11.11	2016.11.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

7.2. Test Setup



7.3. Limit

Fundamental emission output power Limit	
☒	For the band 5.15-5.25 GHz
☐	Outdoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$ and $\leq 125\text{mW}$ at any angle above 30 degrees
☒	Indoor access point: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$
☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If $G_{TX} > 23\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 23)$
☐	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 24 - (G_{TX} - 6)$
☐	For the 5.25-5.35 GHz: the maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$
☐	For the 5.47-5.725 GHz: the maximum conducted output power shall not exceed 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq (\text{The lesser of } 24 \text{ or } 11\text{dBm} + 10 \log B) - (G_{TX} - 6)$
☒	For the band 5.725-5.85 GHz:
☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6 \text{ dBi}$, then $P_{out} = 30 - (G_{TX} - 6)$
☐	Point-to-point systems (P2P): the maximum conducted output power (P_{out}) shall not exceed the lesser of 1 W
Note 1 : G_{TX} directional gain of transmitting antennas.	
Note 2 : P_{out} is maximum peak conducted output power .	

7.4. Test Procedure

Fundamental emission output power Test Method					
	References Rule		Chapter	Description	
☒	ANSI C63.10		12.3	Maximum conducted output power	
	☐	ANSI C63.10	12.3.2	Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver	
		☐	ANSI C63.10	12.3.2.2	Method SA-1
		☐	ANSI C63.10	12.3.2.3	Method SA-1A (alternative)
		☐	ANSI C63.10	12.3.2.4	Method SA-2
		☐	ANSI C63.10	12.3.2.5	Method SA-2A (alternative)
		☐	ANSI C63.10	12.3.2.6	Method SA-3
		☐	ANSI C63.10	12.3.2.7	Method SA-3A (alternative)
	☒	ANSI C63.10	12.3.3	Maximum conducted output power using a power meter	
		☐	ANSI C63.10	12.3.3.1	Method PM
		☒	ANSI C63.10	12.3.3.2	Method PM-G
☒	FCC KDB 789033 D02v01r02		E	Maximum conducted output power	
	☐	ANSI C63.10	E.2	Measurement using a Spectrum Analyzer or EMI Receiver (SA)	
		☐	ANSI C63.10	E.2.b	Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep)
		☐	ANSI C63.10	E.2.c	Method SA-1 Alternative (RMS detection with slow sweep and EUT transmitting continuously at full power)
		☐	ANSI C63.10	E.2.d	Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction)
		☐	ANSI C63.10	E.2.e	Method SA-2 Alternative (RMS detection with slow sweep with each spectrum bin averaging across on and off times of the EUT transmissions, followed by duty cycle correction)

		☐	ANSI C63.10	E.2.f	Method SA-3 (RMS detection with max hold)
		☐	ANSI C63.10	E.2.g	Method SA-3 Alternative (Reduced VBW with max hold)
	☒	ANSI C63.10		E.3	Measurement using a Power Meter (PM)
		☐	ANSI C63.10	E.3.a	Method PM (Measurement using an RF average power meter)
		☒	ANSI C63.10	E.3.b	Method PM-G (Measurement using a gated RF average power meter)

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)d)	Sectorized antenna systems.
	☐	KDB 662911	F2)d) (i)	transmit signals are correlated
	☐	KDB 662911	F2)d) (ii)	transmit signals are uncorrelated
☒	KDB 662911		F2)e)	Spatial Multiplexing
	☒	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☒	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with more than one spatial stream

7.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

7.6. EUT test Axis definition

Item	Power Output			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1 ~ Mode 12			
	☒	Conducted		
	☐	Chain 0		
				
	☒	Chain 0	Chain 1	
				
	☐	Chain 0	Chain 1	Chain 2
				

7.7. Test Result

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a with CDD

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
36	5180	21.02	21.32	24.43	0.25	30.0	Pass
44	5220	21.23	21.71	24.74	0.25	30.0	Pass
48	5240	21.21	21.62	24.68	0.25	30.0	Pass
149	5745	20.27	21.41	24.14	0.25	30.0	Pass
157	5785	23.94	24.78	27.64	0.25	30.0	Pass
165	5825	22.43	23.52	26.27	0.25	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
36	5180	21.74	21.88	25.08	0.26	30.0	Pass
44	5220	21.46	21.86	24.93	0.26	30.0	Pass
48	5240	21.55	21.77	24.93	0.26	30.0	Pass
149	5745	18.95	20.29	22.94	0.26	30.0	Pass
157	5785	23.81	24.83	27.62	0.26	30.0	Pass
165	5825	21.71	22.96	25.65	0.26	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
38	5190	17.39	17.65	21.11	0.58	30.0	Pass
46	5230	24.58	24.69	28.23	0.58	30.0	Pass
151	5755	16.31	17.53	20.55	0.58	30.0	Pass
159	5795	20.72	21.65	24.80	0.58	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Output		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		(dBm)					
		Ant0	Ant1				
36	5180	21.56	21.87	24.82	0.09	30.0	Pass
44	5220	21.23	21.74	24.59	0.09	30.0	Pass
48	5240	21.23	21.42	24.43	0.09	30.0	Pass
149	5745	19.02	20.52	22.93	0.09	30.0	Pass
157	5785	24.11	24.96	27.66	0.09	30.0	Pass
165	5825	21.75	23.08	25.57	0.09	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11ac(40MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
38	5190	17.52	17.93	21.03	0.29	30.0	Pass
46	5230	24.65	24.76	28.01	0.29	30.0	Pass
151	5755	16.32	17.37	20.18	0.29	30.0	Pass
159	5795	20.85	21.77	24.63	0.29	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 6: Transmit by 802.11ac(80MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
42	5210	17.36	17.21	20.43	0.13	30.0	Pass
155	5775	19.26	20.28	22.94	0.13	30.0	Pass

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 7: Transmit by 802.11a with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
36	5180	21.02	21.32	24.41	0.23	27.13	Pass
44	5220	21.23	21.71	24.72	0.23	27.13	Pass
48	5240	21.21	21.62	24.66	0.23	27.13	Pass
149	5745	20.81	22.01	24.69	0.23	27.13	Pass
157	5785	23.12	24.08	26.87	0.23	27.13	Pass
165	5825	23.13	23.94	26.79	0.23	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 8: Transmit by 802.11n(20MHz) with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
36	5180	21.74	21.88	25.07	0.25	27.13	Pass
44	5220	21.46	21.86	24.92	0.25	27.13	Pass
48	5240	21.55	21.77	24.92	0.25	27.13	Pass
149	5745	20.12	21.46	24.10	0.25	27.13	Pass
157	5785	23.07	24.12	26.89	0.25	27.13	Pass
165	5825	22.41	23.37	26.18	0.25	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 9: Transmit by 802.11n(40MHz) with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
38	5190	17.39	17.65	20.98	0.45	27.13	Pass
46	5230	23.32	23.41	26.83	0.45	27.13	Pass
151	5755	17.46	18.63	21.54	0.45	27.13	Pass
159	5795	21.68	22.54	25.59	0.45	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 10: Transmit by 802.11ac(20MHz) with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
36	5180	21.56	21.87	24.80	0.07	27.13	Pass
44	5220	21.23	21.74	24.57	0.07	27.13	Pass
48	5240	21.23	21.42	24.41	0.07	27.13	Pass
149	5745	20.54	21.73	24.26	0.07	27.13	Pass
157	5785	23.31	24.04	26.77	0.07	27.13	Pass
165	5825	22.32	23.45	26.00	0.07	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 11: Transmit by 802.11ac(40MHz) with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
38	5190	17.52	17.93	20.97	0.23	27.13	Pass
46	5230	23.56	23.67	26.86	0.23	27.13	Pass
151	5755	16.88	17.74	20.57	0.23	27.13	Pass
159	5795	21.27	22.34	25.08	0.23	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 12: Transmit by 802.11ac(80MHz) with Beam-forming

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)		Total Power (dBm)	Duty Factor	FCC Limit (dBm)	Result
		Ant0	Ant1				
42	5210	17.36	17.21	20.52	0.22	27.13	Pass
155	5775	19.45	20.41	23.19	0.22	27.13	Pass

Note: Antenna0 gain is 6.19, Antenna1 gain is 5.51, so the directional gain of beam-forming is 8.87dBi.

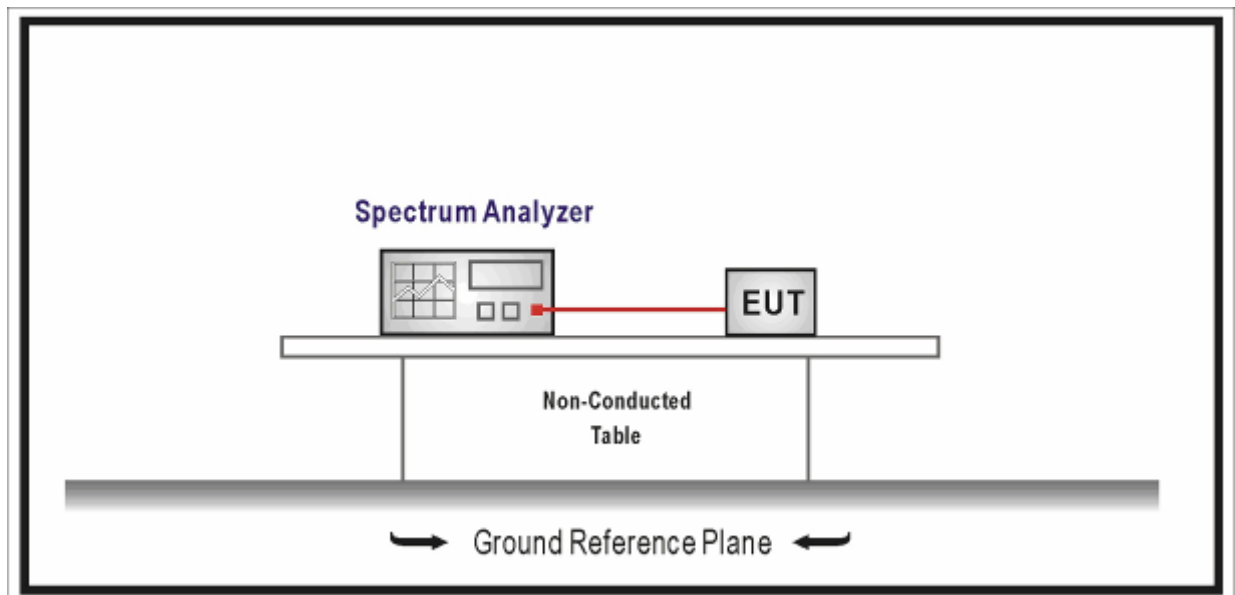
8. Peak Power Spectral Density

8.1. Test Equipment

Peak Power Spectral Density / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2016.04.10	2017.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

Fundamental emission output power Limit	
☒	For the band 5.15-5.25 GHz
☐	Outdoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 6)$
☒	Indoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 6)$
☐	Fixed point-to-point access points: the maximum power spectral density shall not exceed 17 dBm/MHz. If $G_{TX} > 23\text{dBi}$, then $P_{out} \leq 17 - (G_{TX} - 23)$
☐	Mobile and portable client devices: the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$
☐	For the 5.25-5.35 GHz: the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$
☐	For the 5.47-5.725 GHz: the maximum power spectral density shall not exceed 11 dBm/MHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 11 - (G_{TX} - 6)$
☒	For the band 5.725-5.85 GHz: the maximum power spectral density shall not exceed 30 dBm/500KHz. If $G_{TX} > 6\text{dBi}$, then $P_{out} \leq 30 - (G_{TX} - 6)$
Note 1 : G_{TX} directional gain of transmitting antennas.	
Note 2 : P_{out} is maximum peak conducted output power .	

8.4. Test Procedure

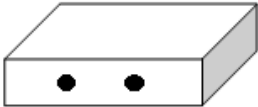
Fundamental emission output power Test Method			
	References Rule	Chapter	Description
☒	ANSI C63.10	12.5	Peak power spectral density
☒	FCC KDB 789033 D02v01r02	F	Maximum Power Spectral Density (PSD)

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)d)	Sectorized antenna systems.
	☐	KDB 662911	F2)d) (i)	transmit signals are correlated
	☐	KDB 662911	F2)d) (ii)	transmit signals are uncorrelated
☒	KDB 662911		F2)e)	Spatial Multiplexing
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)f) (ii)	Antenna have the different gain with more than one spatial stream

8.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

8.6. EUT test Axis definition

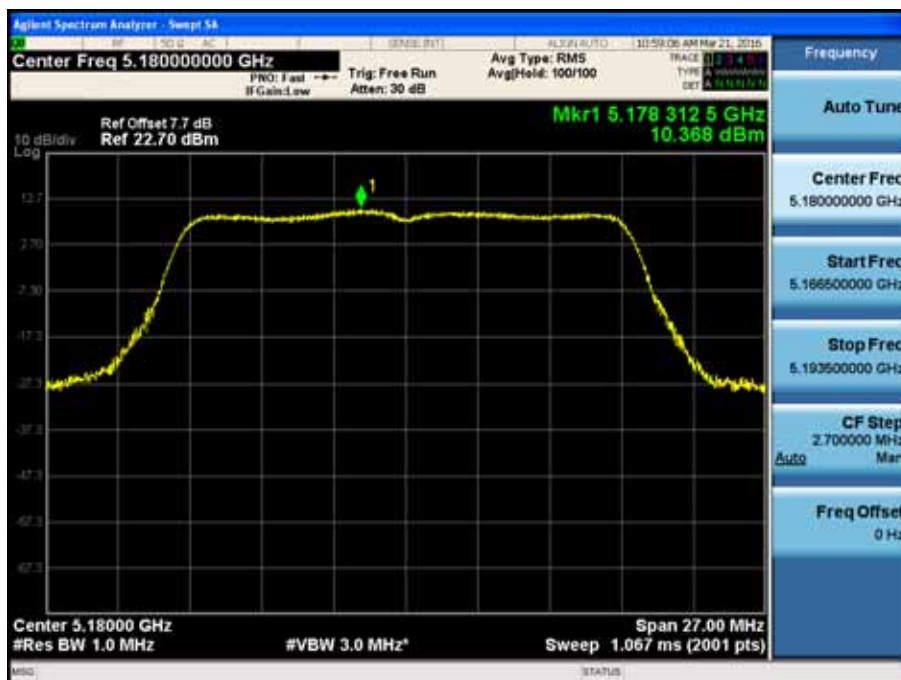
Item	Peak power spectral density			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1 ~ Mode 12			
	☒	Conducted		
	☐	Chain 0		
				
	☒	Chain 0	Chain 1	
				
		Worst Chain ☐	Worst Chain ☐	
	☐	Chain 0	Chain 1	Chain 2
				
	Worst Chain ☐	Worst Chain ☐	Worst Chain ☐	

8.7. Test Result

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
36	5180	10.37	10.20	0.25	13.54	14.13	Pass
44	5220	10.28	10.84	0.25	13.83	14.13	Pass
48	5240	10.55	10.25	0.25	13.66	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
149	5745	7.30	8.24	0.25	11.05	27.13	Pass
157	5785	10.52	11.30	0.25	14.19	27.13	Pass
165	5825	9.16	9.63	0.25	12.66	27.13	Pass

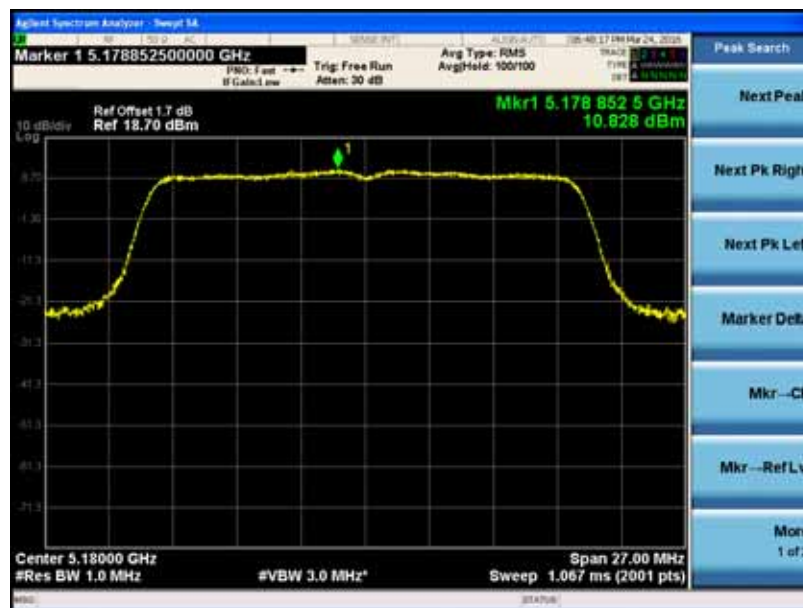
Test plot example:



Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
36	5180	10.83	10.40	0.26	13.89	14.13	Pass
44	5220	10.63	10.65	0.26	13.91	14.13	Pass
48	5240	10.63	10.21	0.26	13.69	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
149	5745	5.36	6.38	0.26	9.17	27.13	Pass
157	5785	10.27	10.64	0.26	13.73	27.13	Pass
165	5825	7.95	8.54	0.26	11.53	27.13	Pass

Test plot example:



Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
38	5190	3.42	3.84	0.58	7.22	14.13	Pass
46	5230	10.26	10.20	0.58	13.82	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSP (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
151	5755	-0.22	0.57	0.58	3.78	27.13	Pass
159	5795	4.17	5.45	0.58	8.44	27.13	Pass

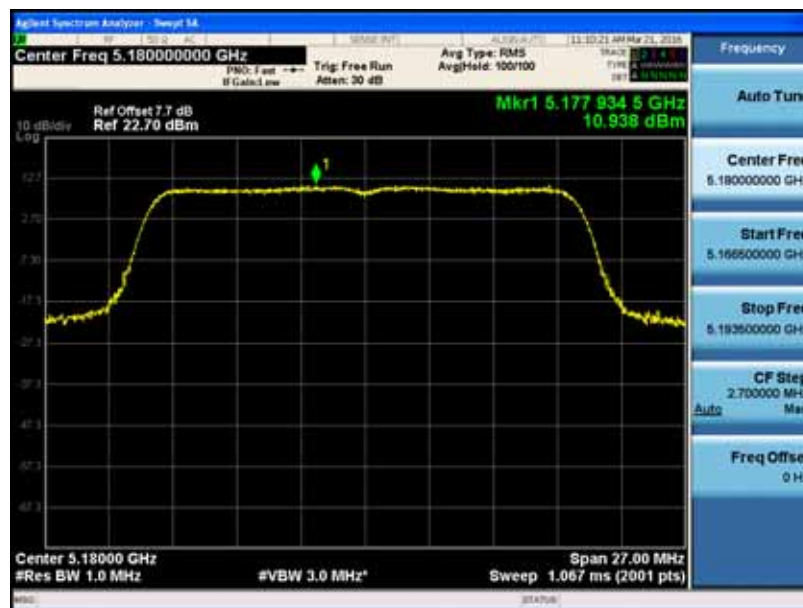
Test plot example:



Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
36	5180	10.52	10.94	0.09	13.83	14.13	Pass
44	5220	10.66	10.89	0.09	13.88	14.13	Pass
48	5240	10.28	10.58	0.09	13.53	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
149	5745	10.39	10.84	0.09	9.26	27.13	Pass
157	5785	7.98	8.91	0.09	13.72	27.13	Pass
165	5825	10.39	10.84	0.09	11.57	27.13	Pass

Test plot example:



Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11ac(40MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
38	5190	3.37	4.20	0.29	7.10	14.13	Pass
46	5230	10.38	10.51	0.29	13.75	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSP (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
151	5755	-0.90	0.54	0.29	3.18	27.13	Pass
159	5795	4.17	5.58	0.29	8.23	27.13	Pass

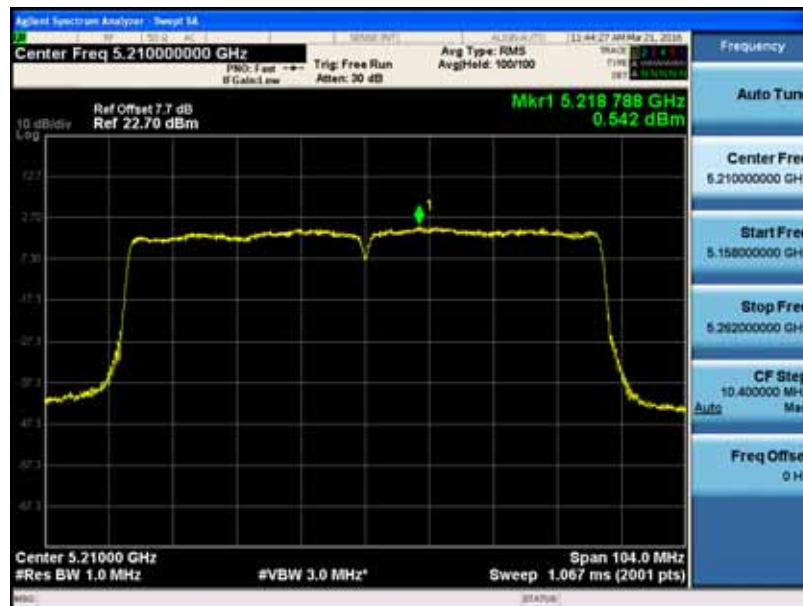
Test plot example:



Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 6: Transmit by 802.11ac(80MHz) with CDD

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)		Duty Factor	Total PPSP (dBm/MHz)	Limit (dBm/MHz)	Result
		Ant0	Ant1				
42	5210	0.54	0.38	0.13	3.60	14.13	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)		Duty Factor	Total PPSP (dBm/500kHz)	Limit (dBm/500kHz)	Result
		Ant0	Ant1				
155	5775	-0.27	0.67	0.13	3.36	27.13	Pass

Test plot example:



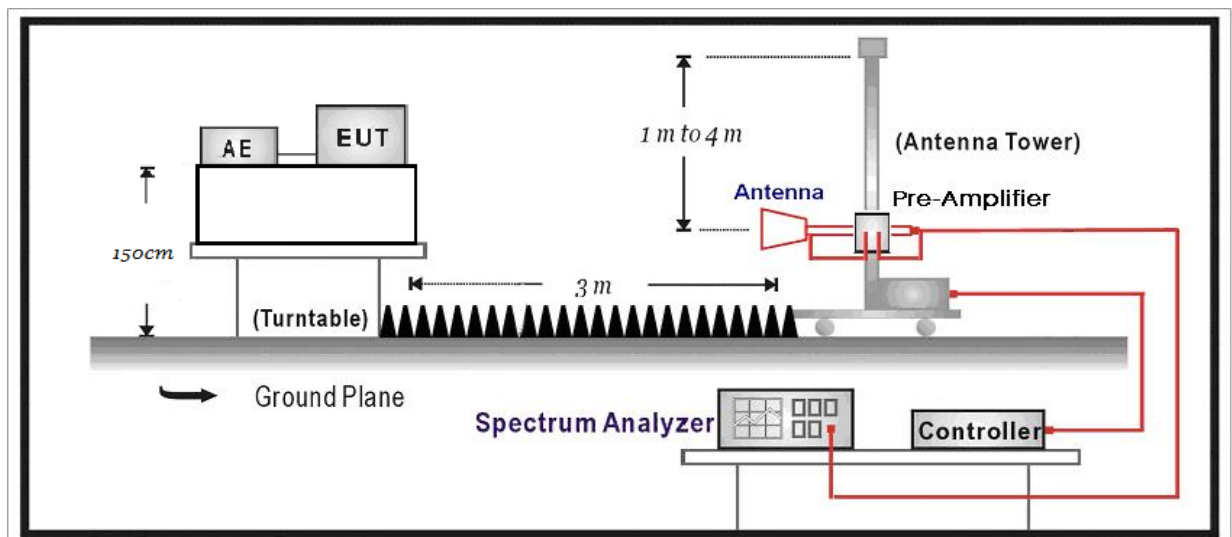
9. Radiated Emission Band Edge

9.1. Test Equipment

Radiated Emission Band Edge / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Preamplifier	Miteq	NSP1800-25	1364185	2015.05.04	2016.05.03
Preamplifier	QuieTek	AP-040G	CHM-0906001	2015.05.04	2016.05.03
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2015.10.16	2016.10.15
DRG Horn	ETS-Lindgren	3117	00123988	2016.01.08	2017.01.07
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2016.03.02	2017.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.06.10	2016.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2016.01.09	2017.01.08

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit)		
Frequency (MHz)	Distance (m)	Level (dBμV/m)
0.009-0.490	300	2400/F(kHz)
0.490-1.705	30	24000/F(kHz)
1.705-30.0	30	30
30-88	3	100**
88-216	3	150**
216-960	3	200**
Above 960	3	500

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
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
8.81425 – 8.81475	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	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
5725 - 5825	-27 [Note(1)]	68.3
	-17 [Note(2)]	78.3
Note(1): Outside the frequency range 5715 - 5835MHz. Note(2): Within the frequency range from the band edge to 10MHz below or above the band edge, 5715 – 5725MHz and 5825 - 5835MHz.		

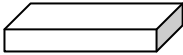
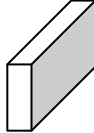
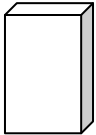
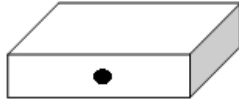
9.4. Test Procedure

Test Method				
	References Rule		Chapter	Description
☐	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
☐	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	☒	ANSI C63.10	12.7.5	Radiated emission measurements
	☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v01r02		G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v01r02		G.1	Unwanted Emissions in the Restricted Bands
	☐	FCC KDB 789033 D02v01r02	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01r02	G.6.c	Method AD (Average detection)—primary method
	☒	FCC KDB 789033 D02v01r02	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

9.5. Uncertainty

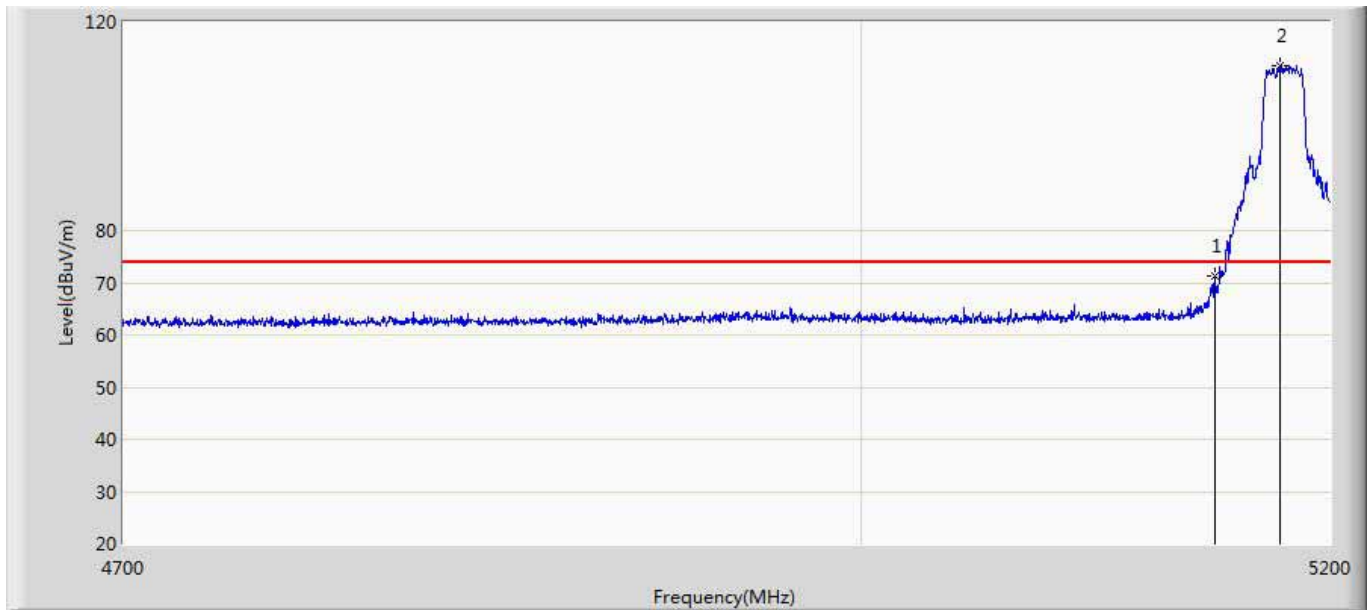
The measurement uncertainty above 1GHz is defined as ± 3.9 dB

9.6. EUT test Axis definition

Item	Emissions in non-restricted frequency bands			
Device Category	☒	Fixed position use		
	☐	Mobile position use		
Test mode	Mode 1-12			
Test method	☒	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis ☐	Worst Axis ☐	Worst Axis ☒
	☐	Conducted		
	☐	Chain 0		
				
	☒	Chain 0	Chain 1	
				
		Worst Chain ☐	Worst Chain ☐	
	☐	Chain 0	Chain 1	Chain 2
				
	Worst Chain ☐	Worst Chain ☐	Worst Chain ☐	

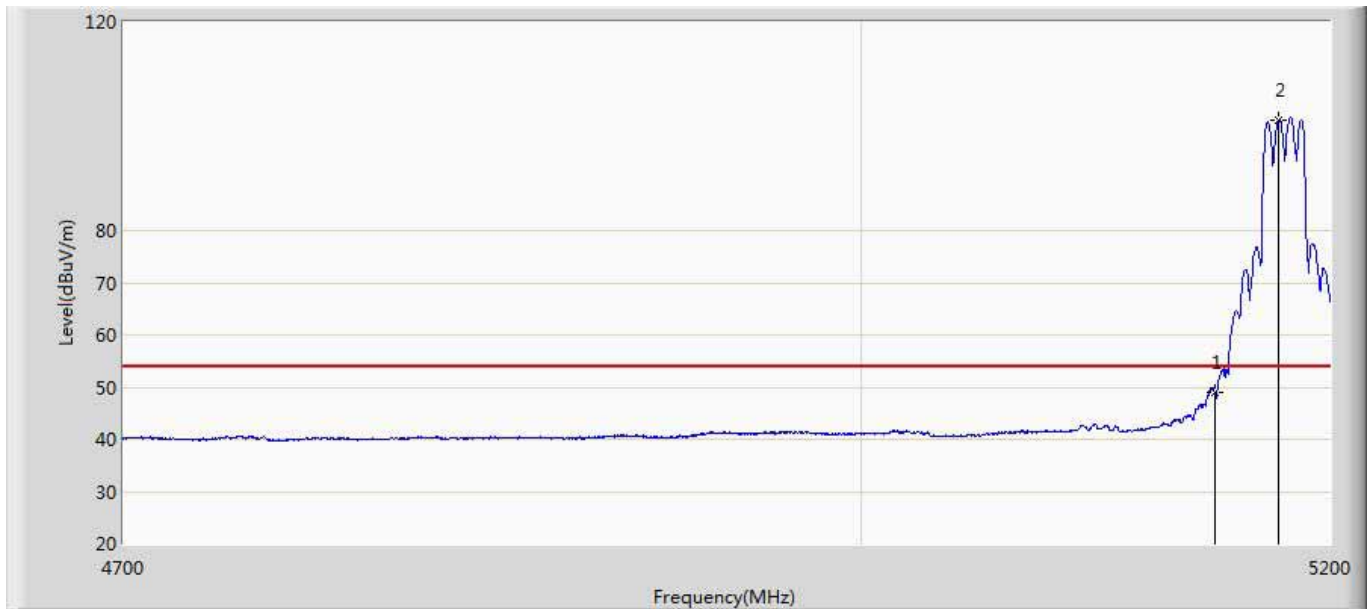
9.7. Test Result

Site: AC5	Time: 2016/03/18 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5180Mhz by 802.11a with CDD	



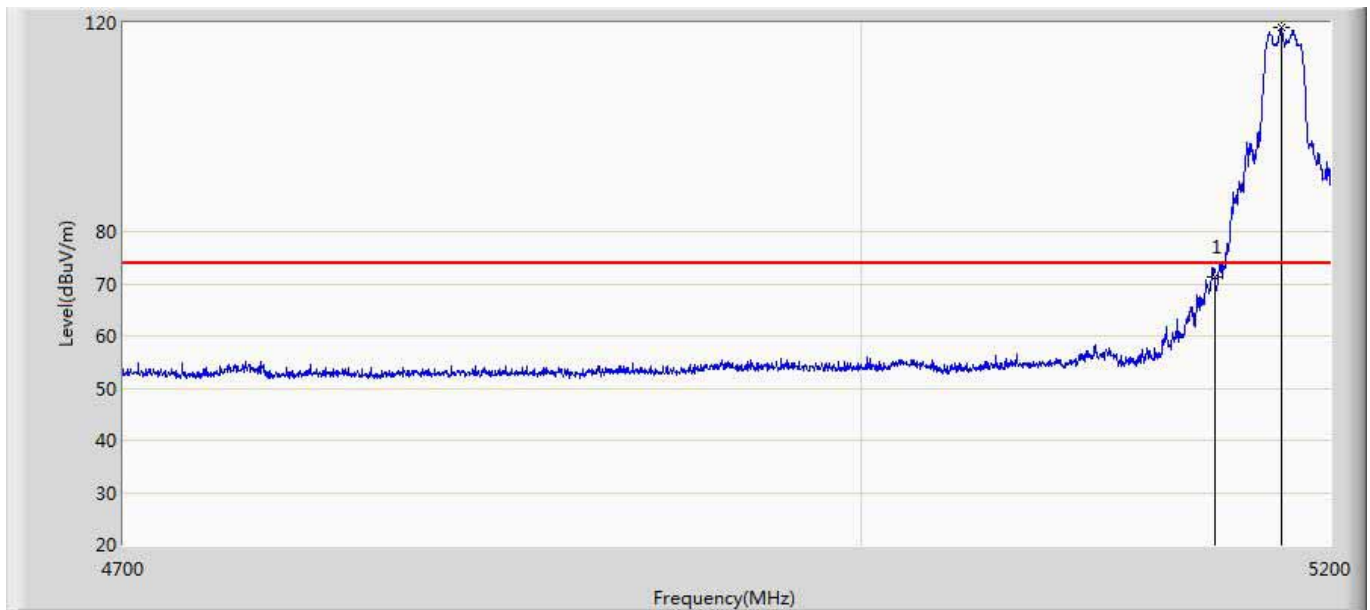
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	71.273	28.526	-2.727	74.000	42.747	PK
2	*	5178.000	111.461	68.587	N/A	N/A	42.874	PK

Site: AC5	Time: 2016/03/18 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5180Mhz by 802.11a with CDD	



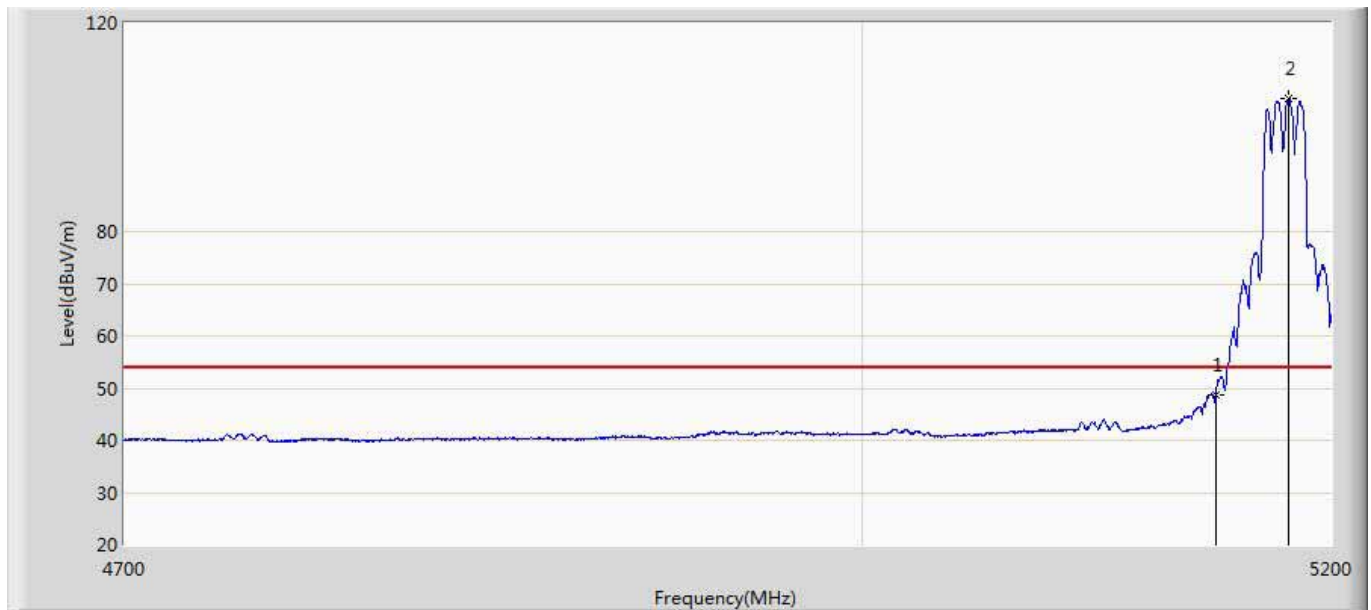
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	49.062	6.315	-4.938	54.000	42.747	AV
2	*	5177.750	101.267	58.395	N/A	N/A	42.873	AV

Site: AC5	Time: 2016/03/18 - 17:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5180Mhz by 802.11a with CDD	



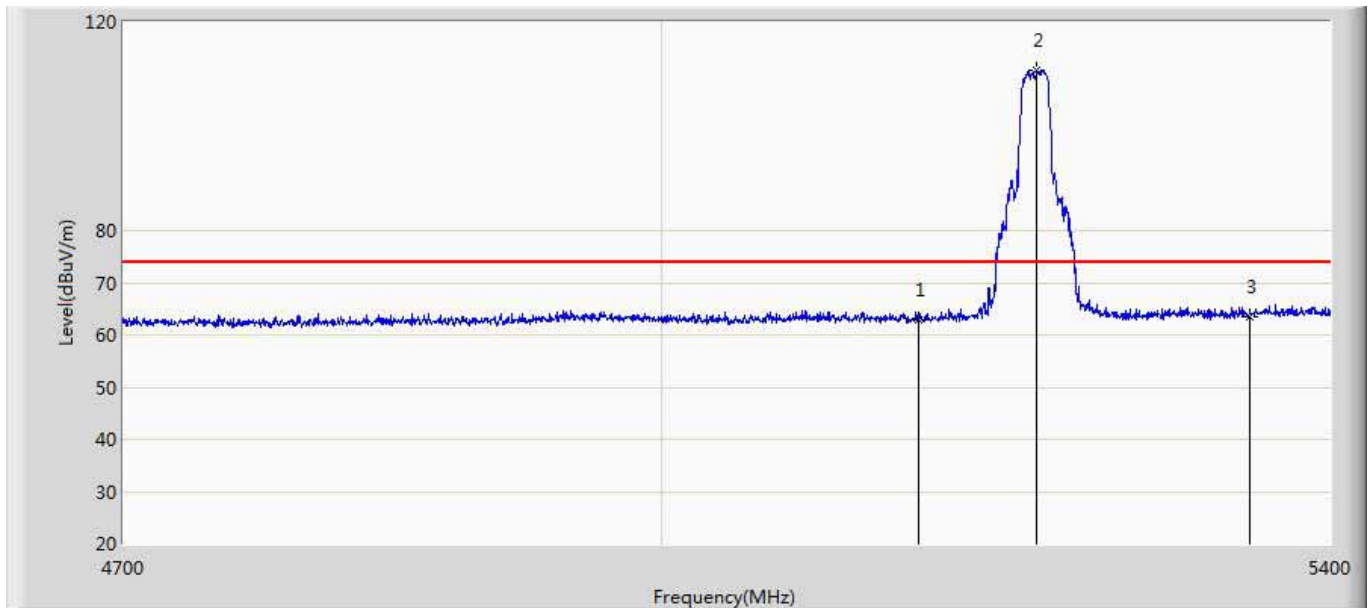
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	71.283	28.536	-2.717	74.000	42.747	PK
2	*	5178.750	119.112	76.232	N/A	N/A	42.880	PK

Site: AC5	Time: 2016/03/18 - 17:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5180Mhz by 802.11a with CDD	



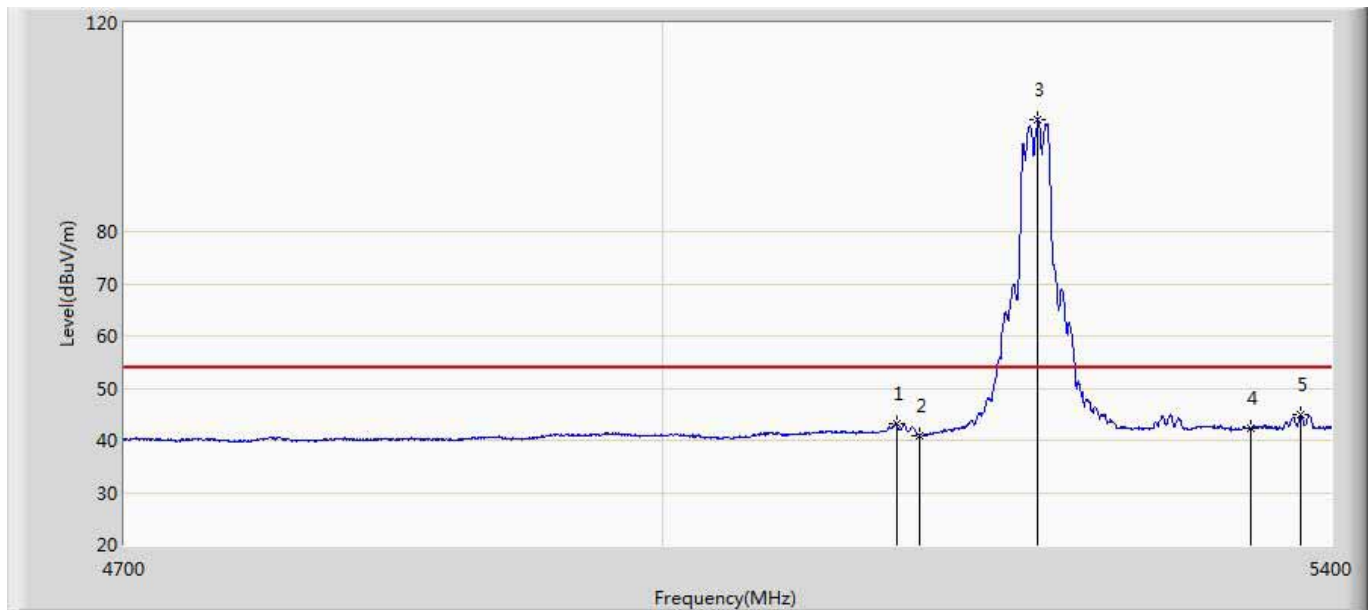
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.688	5.941	-5.312	54.000	42.747	AV
2	*	5181.750	105.579	N/A	N/A	54.000	42.902	AV

Site: AC5	Time: 2016/03/18 - 17:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5220Mhz by 802.11a with CDD	



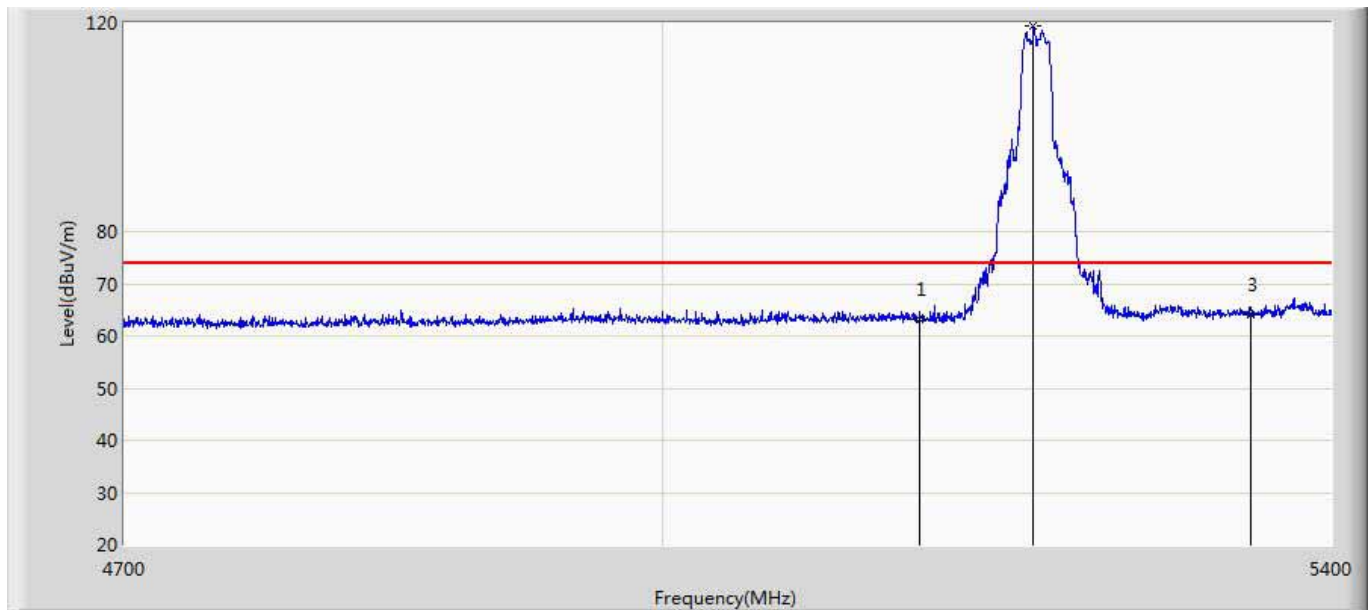
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	62.810	20.063	-11.190	74.000	42.747	PK
2	*	5221.150	110.697	67.886	N/A	N/A	42.811	PK
3		5350.000	63.514	20.321	-10.486	74.000	43.193	PK

Site: AC5	Time: 2016/03/18 - 17:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5220Mhz by 802.11a with CDD	



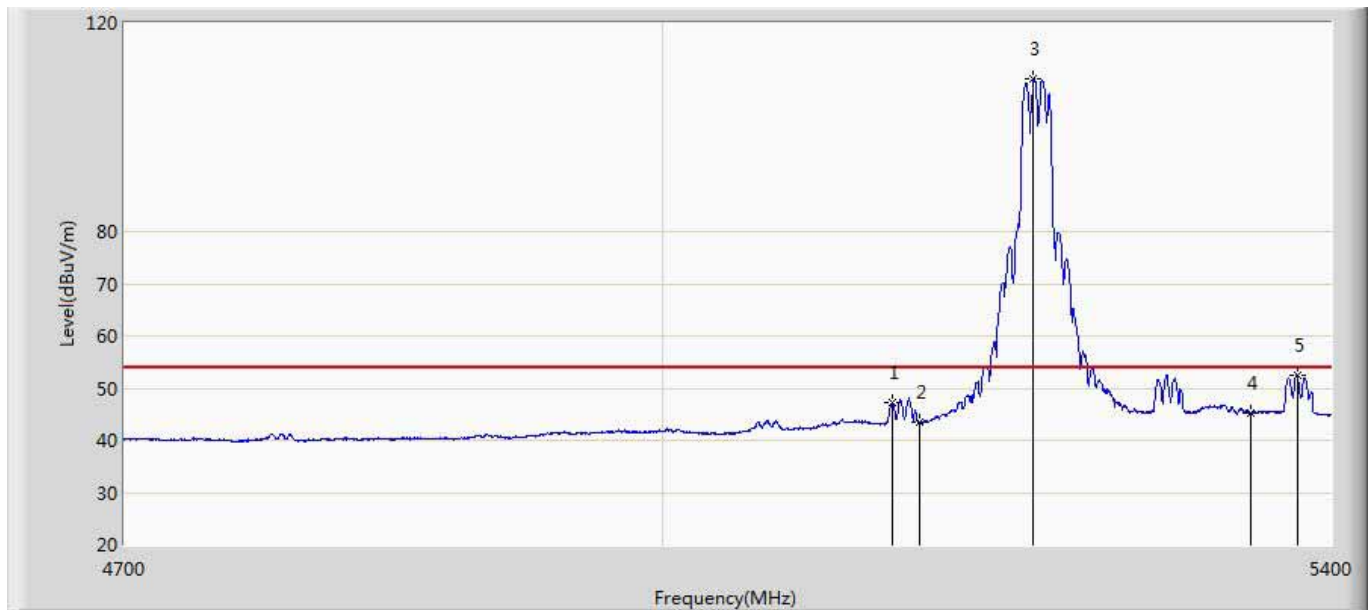
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5136.800	43.207	0.388	-10.793	54.000	42.819	AV
2		5150.000	40.957	-1.790	-13.043	54.000	42.747	AV
3	*	5220.800	101.522	58.713	N/A	N/A	42.810	AV
4		5350.000	42.320	-0.873	-11.680	54.000	43.193	AV
5		5381.100	45.035	1.914	-8.965	54.000	43.121	AV

Site: AC5	Time: 2016/03/18 - 17:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5220Mhz by 802.11a with CDD	



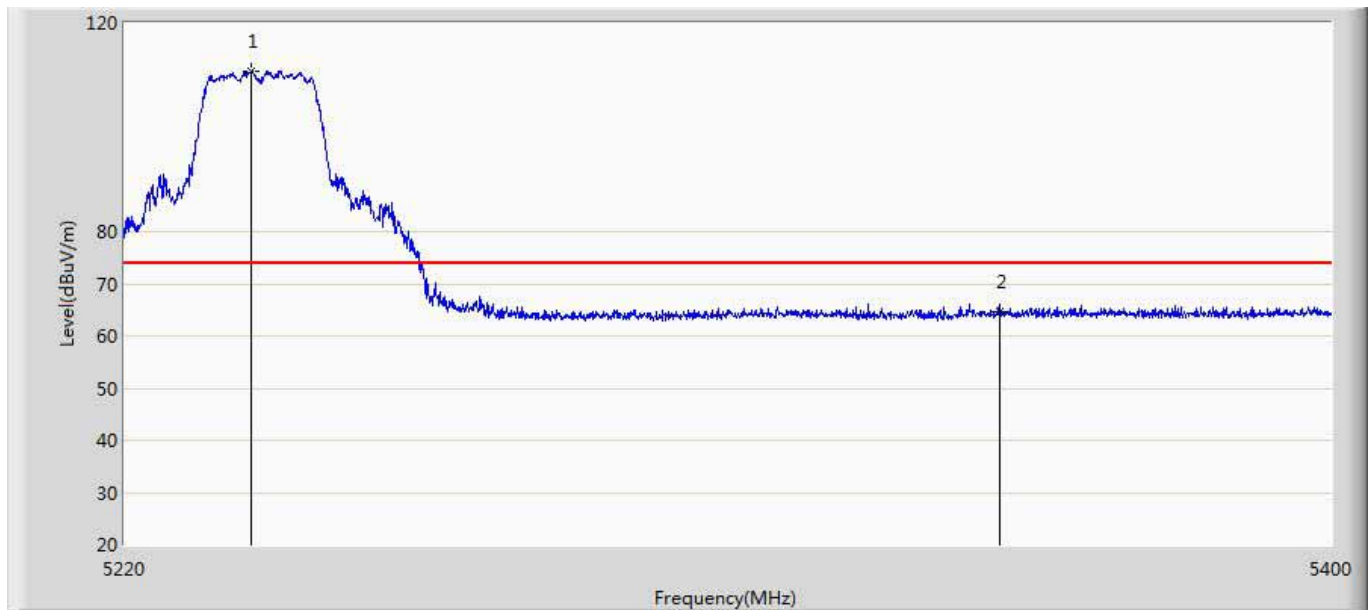
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.234	20.487	-10.766	74.000	42.747	PK
2	*	5218.350	119.316	76.521	N/A	N/A	42.795	PK
3		5350.000	64.051	20.858	-9.949	74.000	43.193	PK

Site: AC5	Time: 2016/03/18 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5220Mhz by 802.11a with CDD	



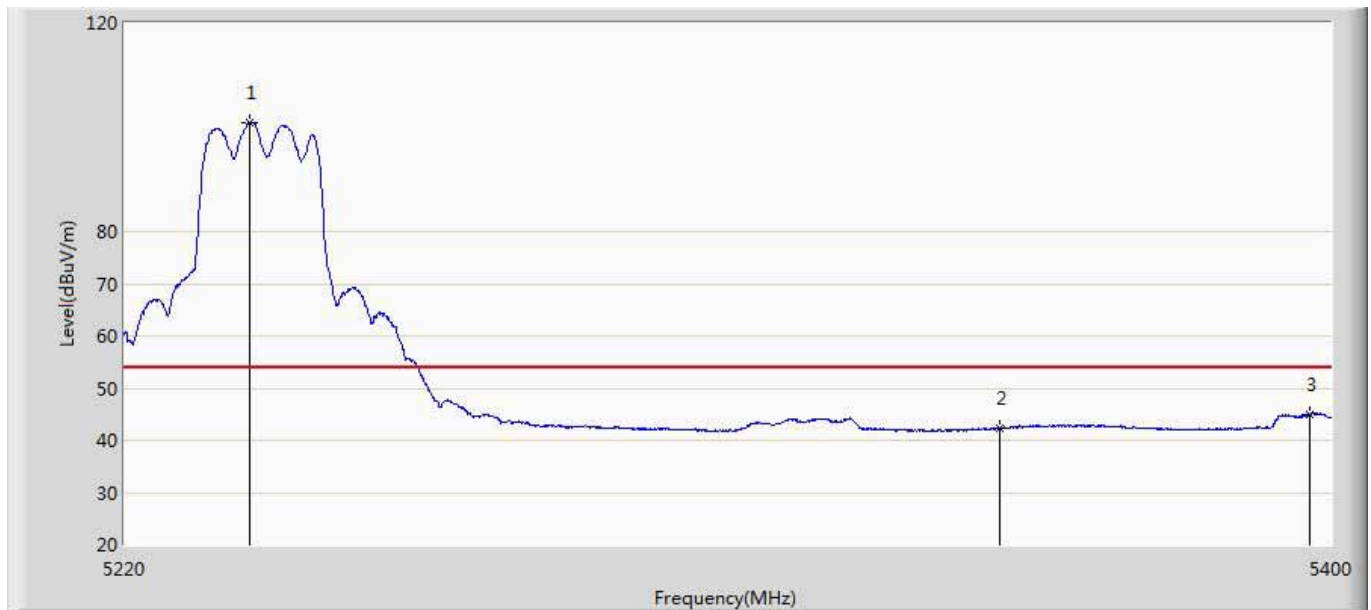
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5134.000	47.389	4.551	-6.611	54.000	42.838	AV
2		5150.000	43.466	0.719	-10.534	54.000	42.747	AV
3	*	5218.350	109.133	66.338	N/A	N/A	42.795	AV
4		5350.000	45.262	2.069	-8.738	54.000	43.193	AV
5		5379.350	52.518	9.395	-1.482	54.000	43.123	AV

Site: AC5	Time: 2016/03/18 - 17:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5240Mhz by 802.11a with CDD	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.720	110.789	67.888	N/A	N/A	42.902	PK
2		5350.000	64.710	21.517	-9.290	74.000	43.193	PK

Site: AC5	Time: 2016/03/18 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5240Mhz by 802.11a with CDD	



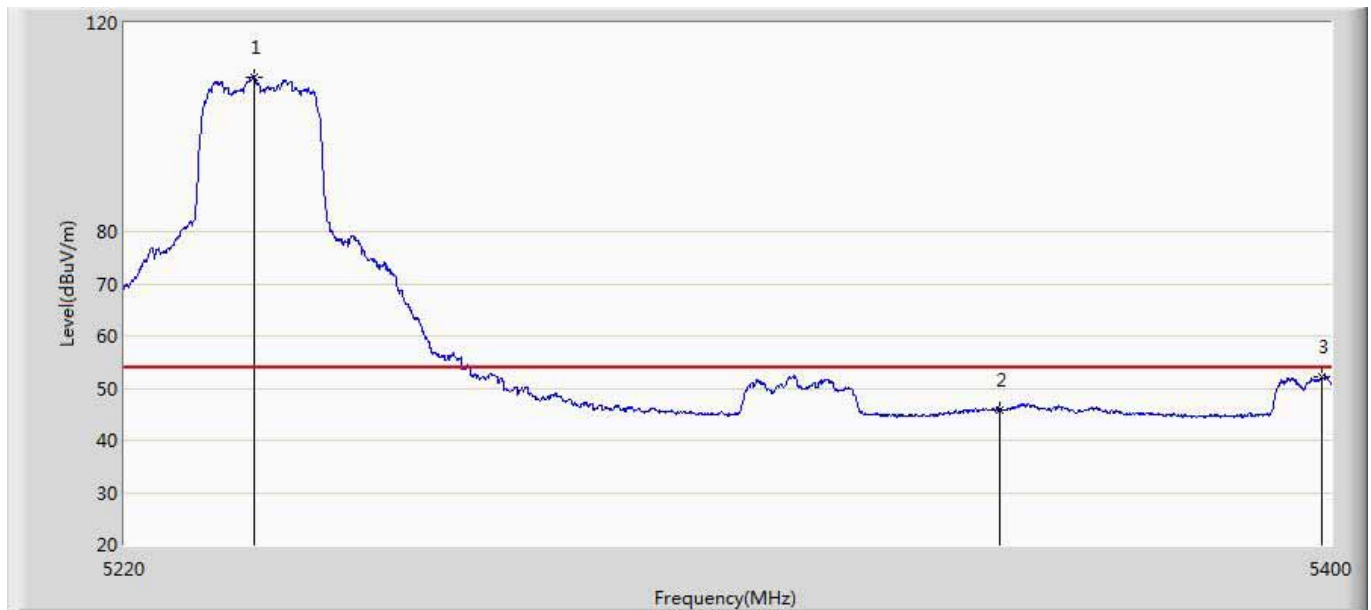
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.450	100.974	58.073	N/A	N/A	42.900	AV
2		5350.000	42.407	-0.786	-11.593	54.000	43.193	AV
3		5396.850	45.004	1.798	-8.996	54.000	43.206	AV

Site: AC5	Time: 2016/03/18 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5240Mhz by 802.11a with CDD	



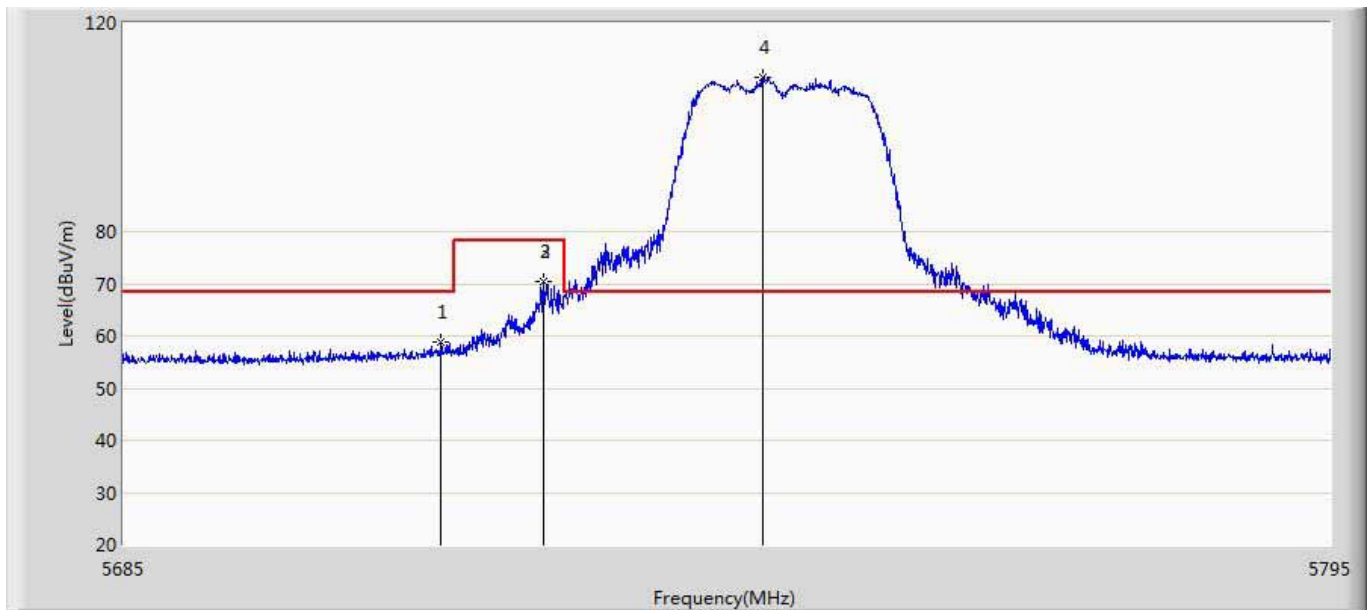
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.540	120.160	77.259	N/A	N/A	42.901	PK
2		5350.000	64.270	21.077	-9.730	74.000	43.193	PK

Site: AC5	Time: 2016/03/18 - 17:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5240Mhz by 802.11a with CDD	



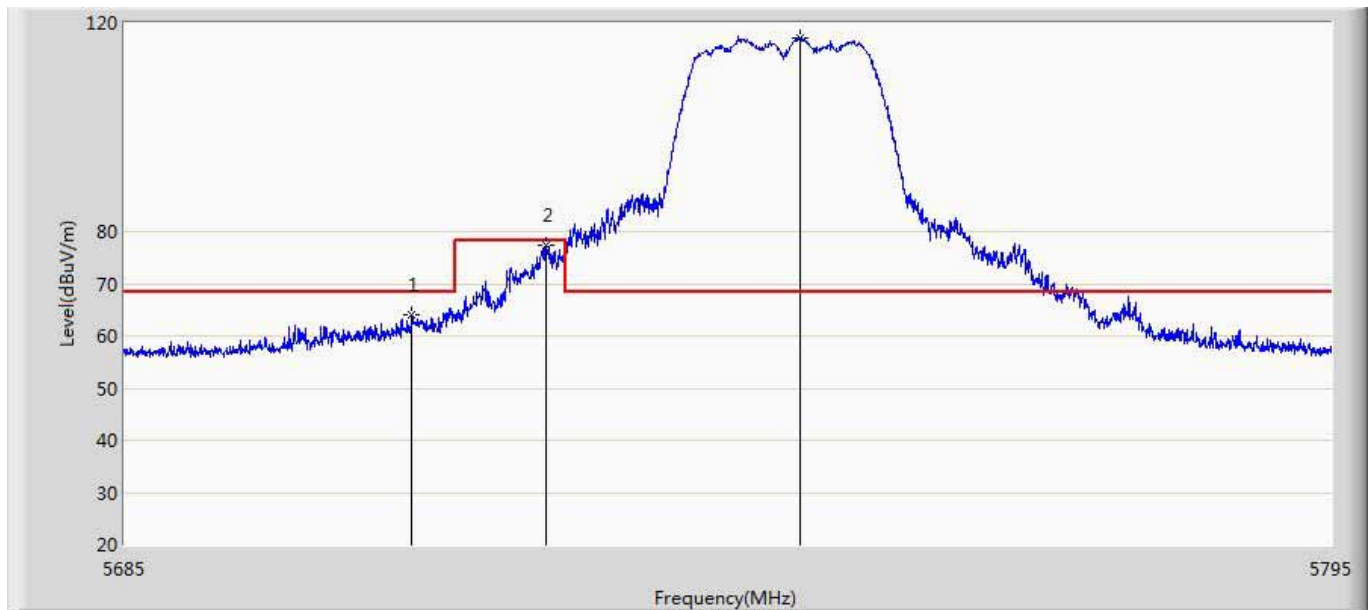
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5239.080	109.694	66.791	N/A	N/A	42.903	AV
2		5350.000	45.916	2.723	-8.084	54.000	43.193	AV
3		5398.650	52.209	8.988	-1.791	54.000	43.221	AV

Site: AC5	Time: 2016/03/18 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5745Mhz by 802.11a with CDD	



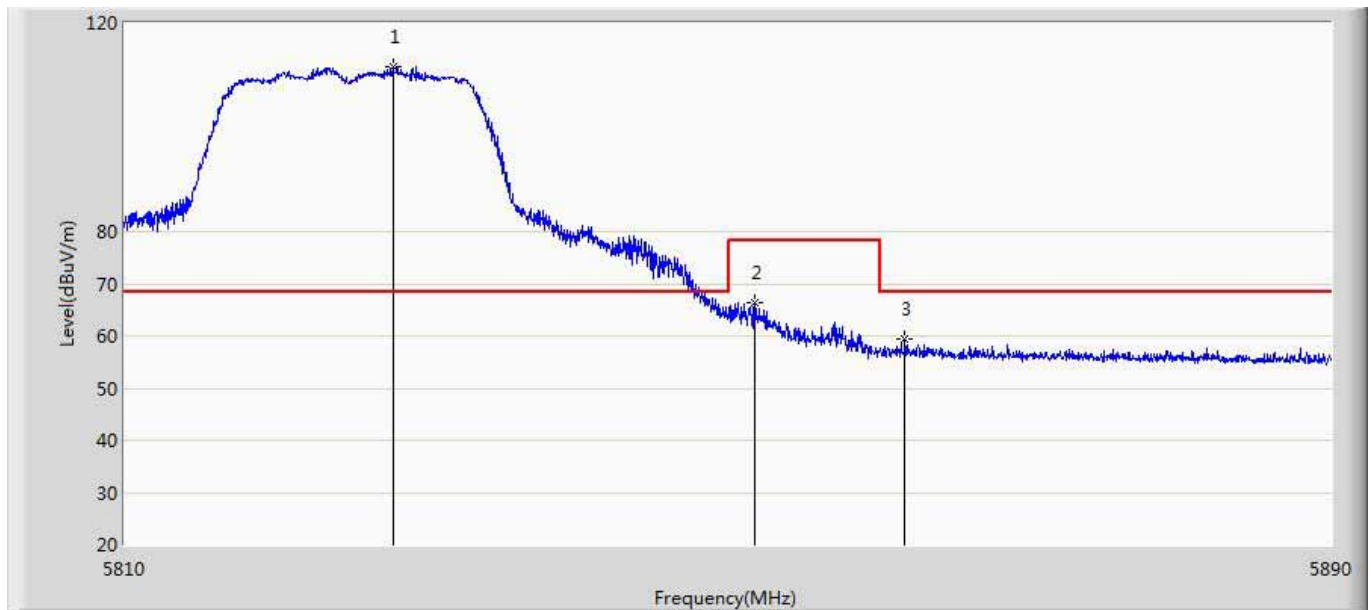
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.765	58.960	14.957	-9.340	68.300	44.003	PK
2		5723.060	70.403	26.376	-7.897	78.300	44.028	PK
3		5723.060	70.403	26.376	-7.897	78.300	44.028	PK
4	*	5743.080	109.573	65.407	N/A	N/A	44.166	PK

Site: AC5	Time: 2016/03/18 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5745Mhz by 802.11a with CDD	



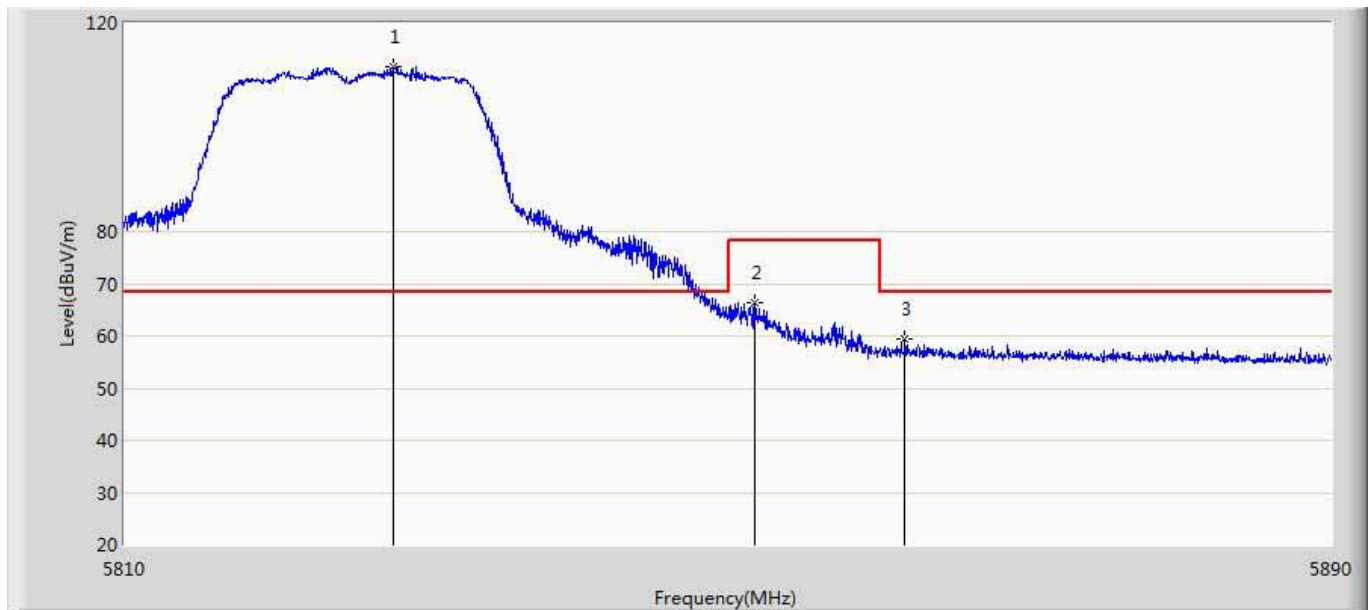
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.015	64.112	20.117	-4.188	68.300	43.995	PK
2		5723.170	77.292	33.264	-1.008	78.300	44.028	PK
3	*	5746.325	117.190	73.067	N/A	N/A	44.123	PK

Site: AC5	Time: 2016/03/18 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5825Mhz by 802.11a with CDD	



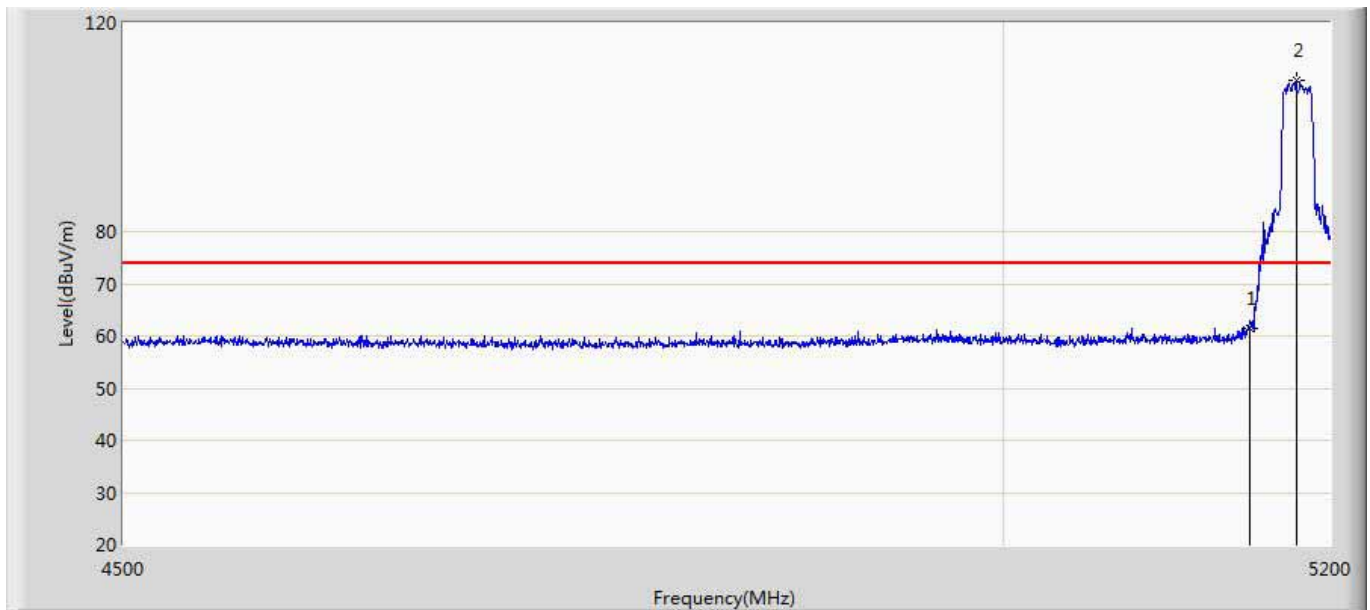
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.720	111.598	67.394	N/A	N/A	44.205	PK
2		5851.640	66.505	22.296	-11.795	78.300	44.209	PK
3		5861.600	59.349	15.029	-8.951	68.300	44.320	PK

Site: AC5	Time: 2016/03/18 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 1: Transmit at 5825Mhz by 802.11a with CDD	



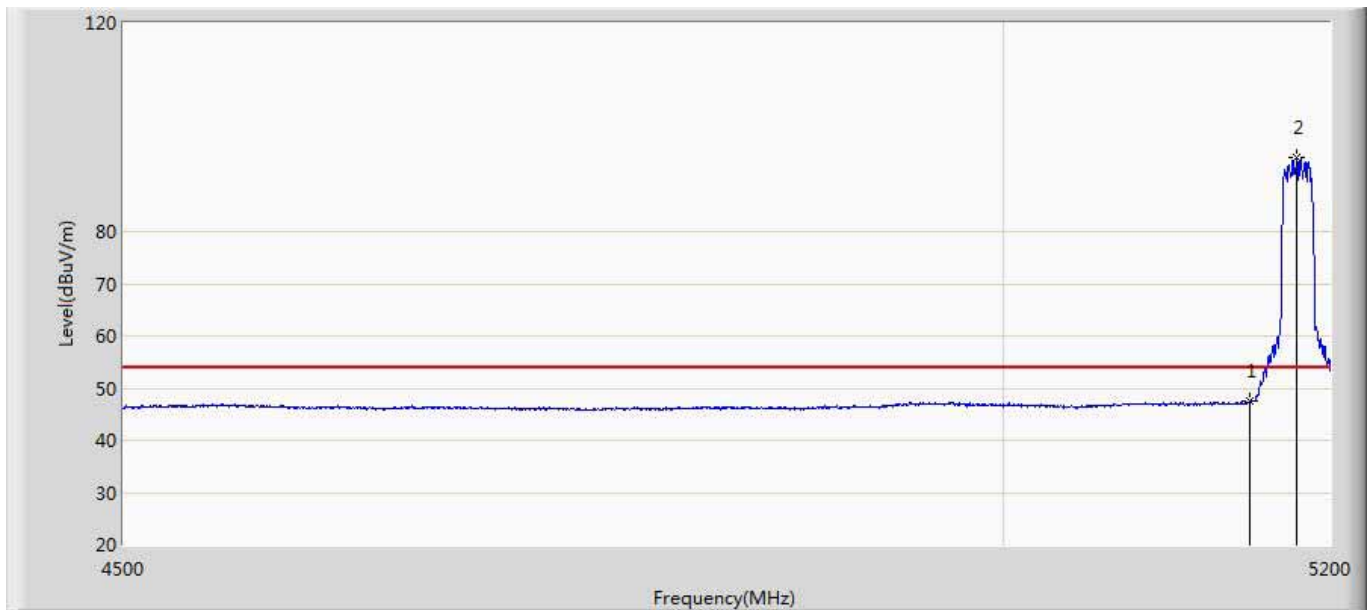
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.720	111.598	67.394	N/A	N/A	44.205	PK
2		5851.640	66.505	22.296	-11.795	78.300	44.209	PK
3		5861.600	59.349	15.029	-8.951	68.300	44.320	PK

Site: AC5	Time: 2016/03/19 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5180Mhz by 802.11n20 with CDD	



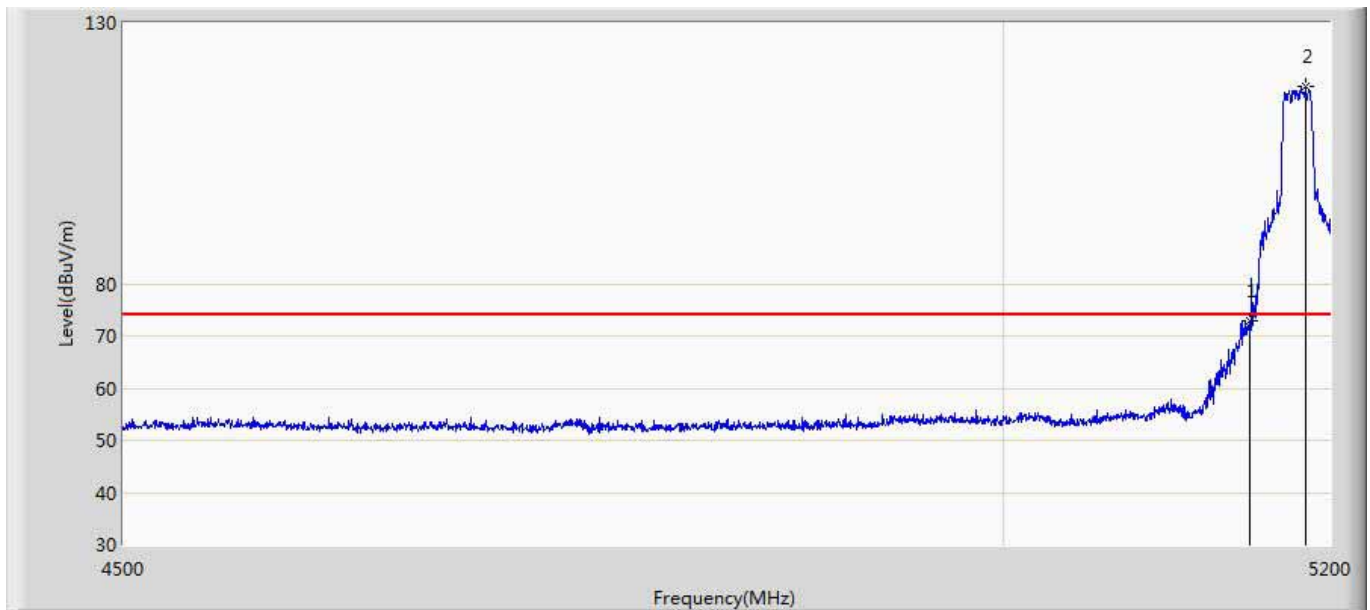
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.539	18.792	-12.461	74.000	42.747	PK
2	*	5179.350	108.856	65.972	N/A	N/A	42.884	PK

Site: AC5	Time: 2016/03/19 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5180Mhz by 802.11n20 with CDD	



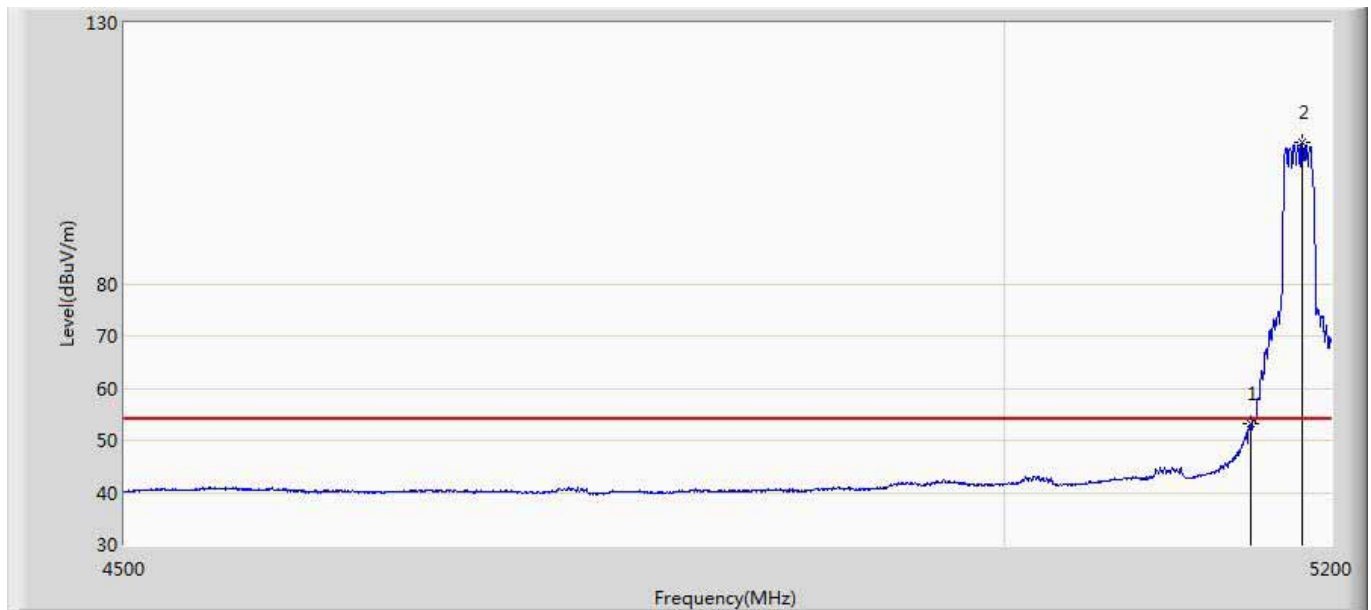
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.427	4.680	-6.573	54.000	42.747	AV
2	*	5179.350	94.143	51.259	N/A	N/A	42.884	AV

Site: AC5	Time: : 2016/03/19 - 15:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5180Mhz by 802.11n20 with CDD	



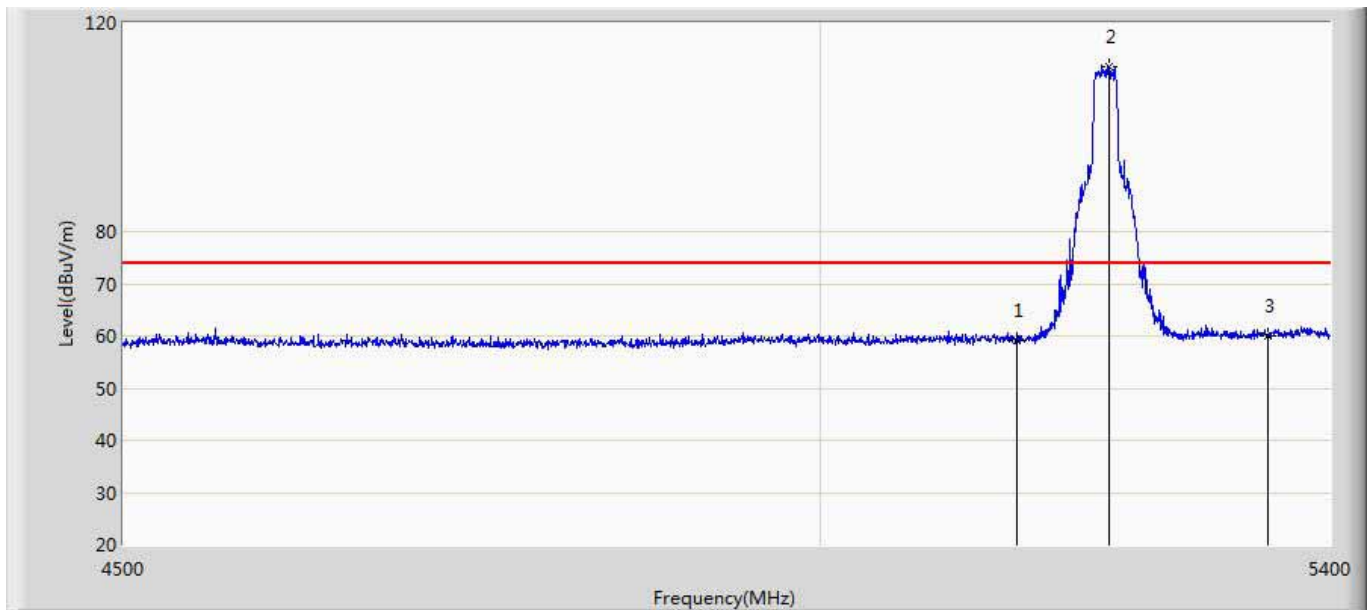
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	72.780	30.033	-1.220	74.000	42.747	PK
2	*	5184.950	117.782	74.883	N/A	N/A	42.899	PK

Site: AC5	Time: 2016/03/19 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5180Mhz by 802.11n20 with CDD	



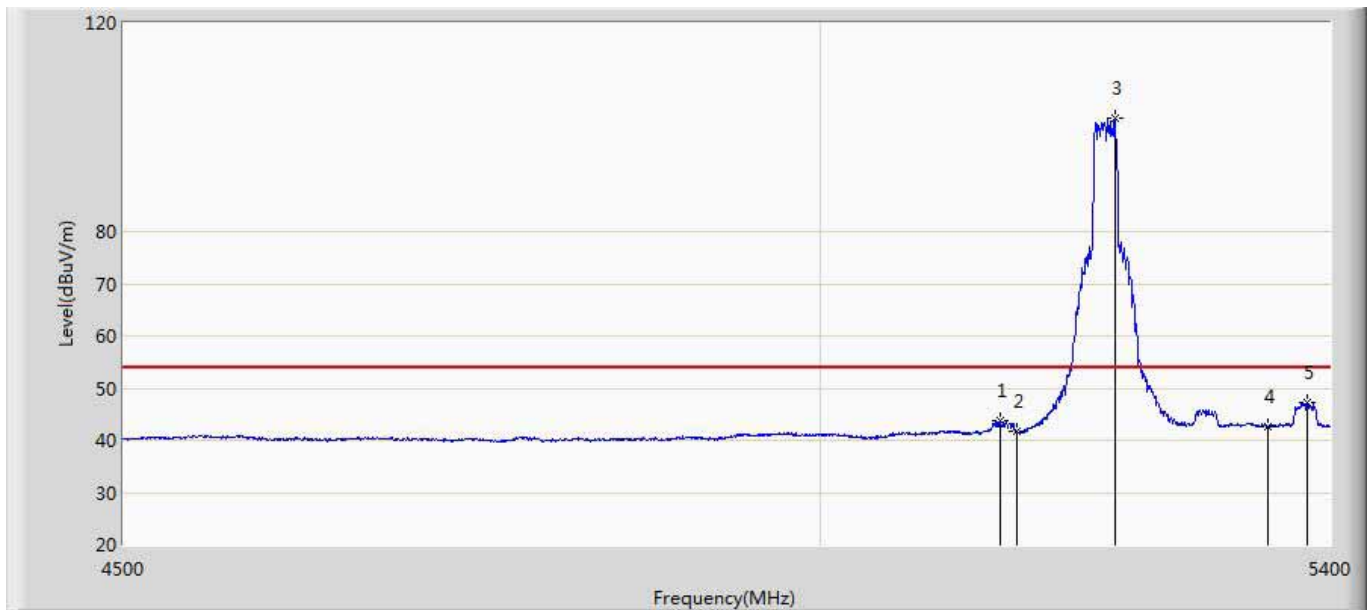
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.124	10.377	-0.876	54.000	42.747	AV
2	*	5182.150	107.237	64.333	N/A	N/A	42.904	AV

Site: AC5	Time: : 2016/03/19 - 15:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5220Mhz by 802.11n20 with CDD	



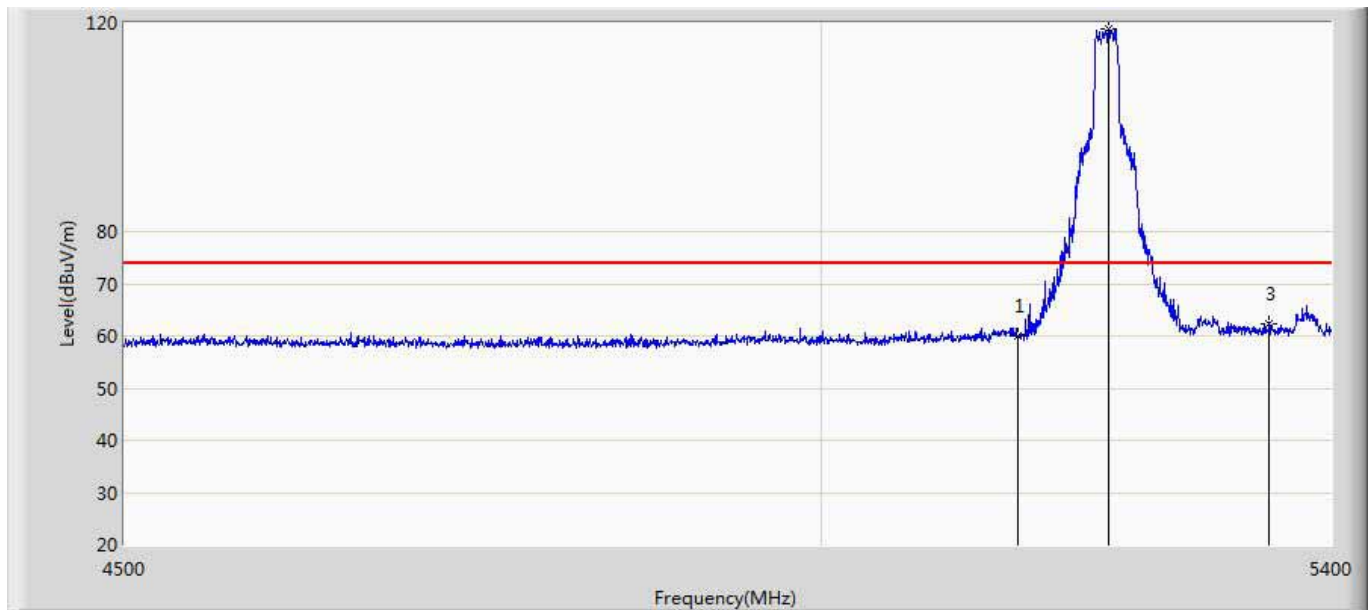
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.019	16.272	-14.981	74.000	42.747	PK
2	*	5222.250	111.656	68.838	N/A	N/A	42.818	PK
3		5350.000	60.125	16.932	-13.875	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 15:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5220Mhz by 802.11n20 with CDD	



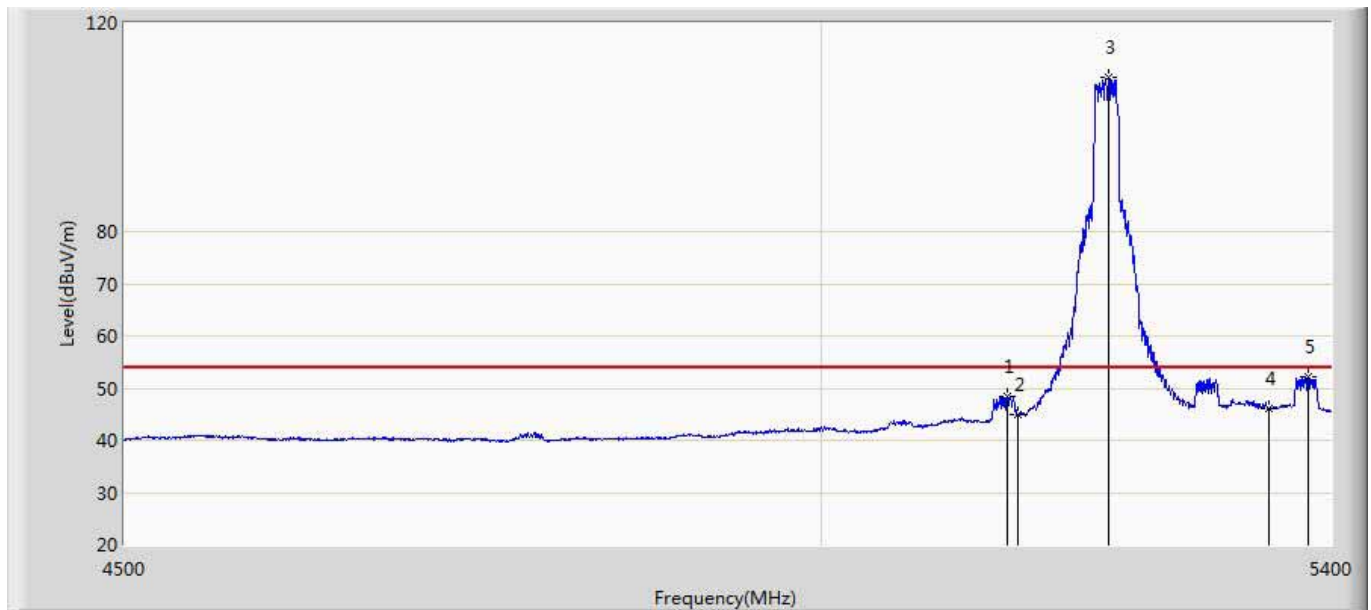
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5137.200	43.876	1.060	-10.124	54.000	42.816	AV
2		5150.000	41.640	-1.107	-12.360	54.000	42.747	AV
3	*	5227.200	101.739	58.892	N/A	N/A	42.847	AV
4		5350.000	42.524	-0.669	-11.476	54.000	43.193	AV
5		5381.550	47.104	3.983	-6.896	54.000	43.121	AV

Site: AC5	Time: 2016/03/19 - 15:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5220Mhz by 802.11n20 with CDD	



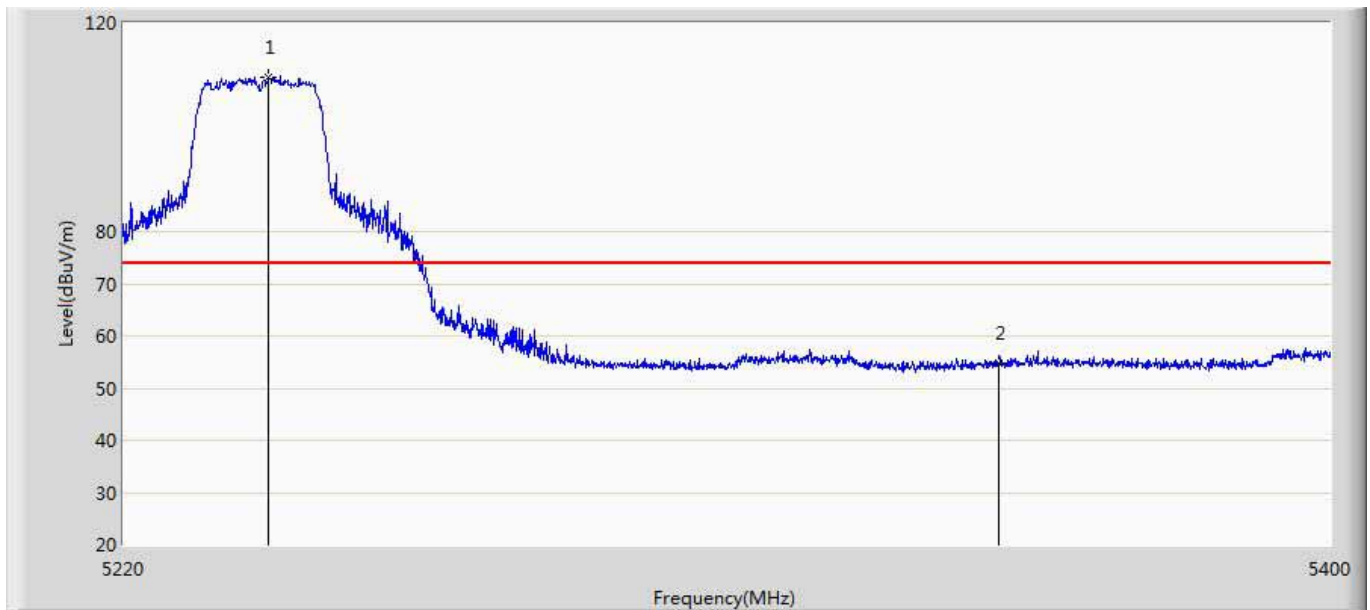
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.036	17.289	-13.964	74.000	42.747	PK
2	*	5221.800	118.899	76.084	N/A	N/A	42.816	PK
3		5350.000	62.339	19.146	-11.661	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 15:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5220Mhz by 802.11n20 with CDD	



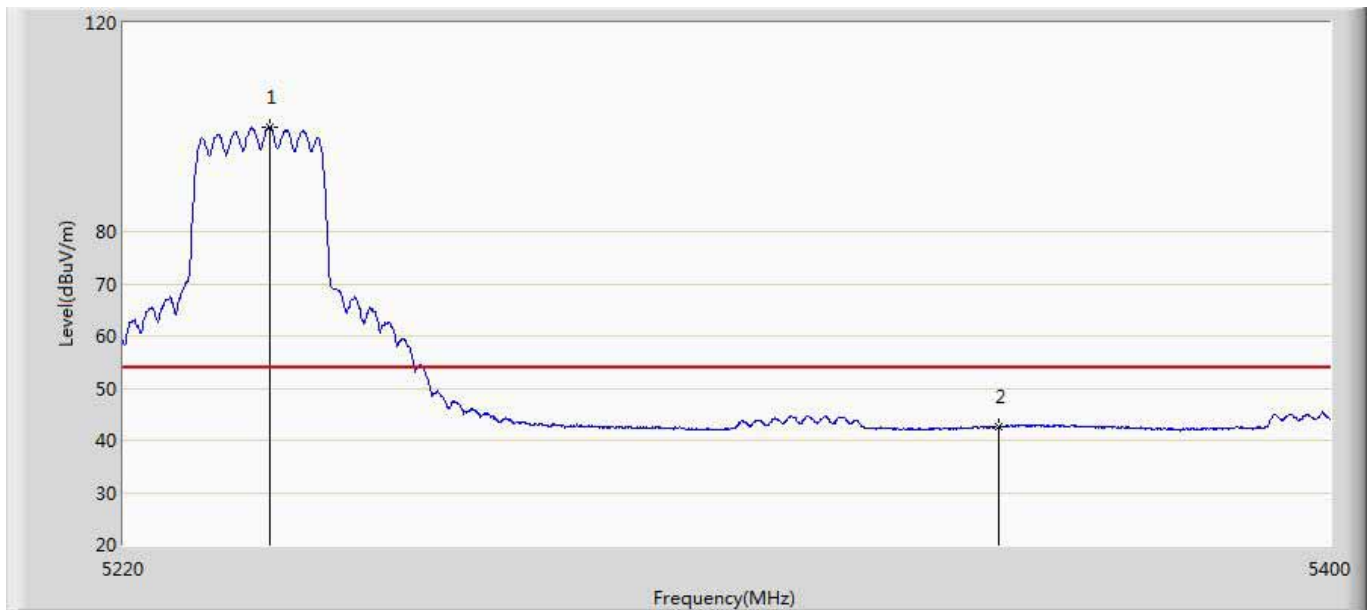
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5142.150	48.448	5.665	-5.552	54.000	42.783	AV
2		5150.000	44.816	2.069	-9.184	54.000	42.747	AV
3	*	5221.800	109.500	66.685	N/A	N/A	42.816	AV
4		5350.000	46.071	2.878	-7.929	54.000	43.193	AV
5		5382.000	52.174	9.054	-1.826	54.000	43.120	AV

Site: AC5	Time: 2016/03/19 - 16:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5240Mhz by 802.11n20 with CDD	



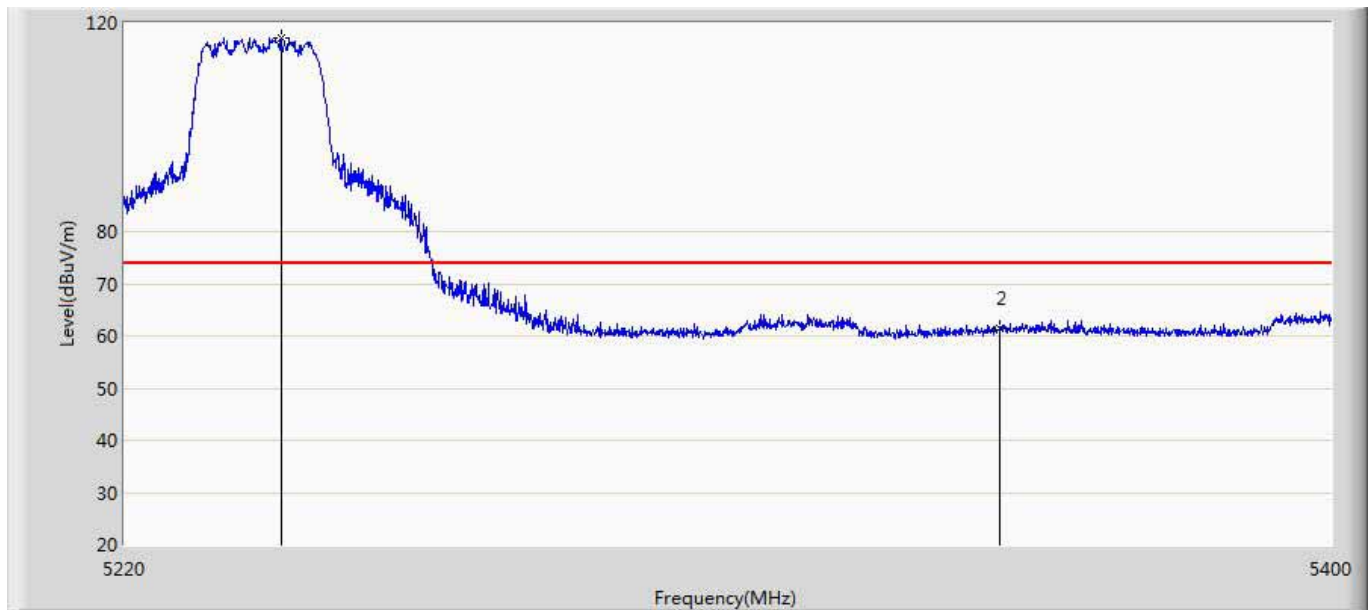
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.330	109.501	66.591	N/A	N/A	42.910	PK
2		5350.000	54.673	11.480	-19.327	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 16:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5240Mhz by 802.11n20 with CDD	



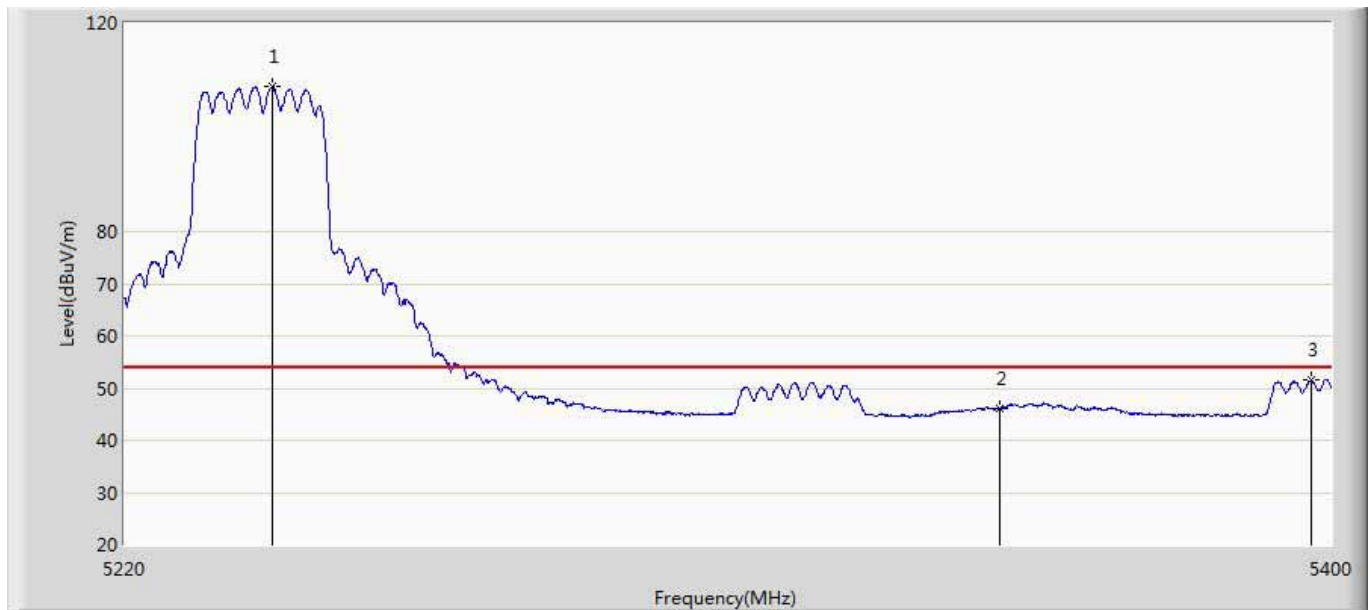
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.510	99.985	57.074	N/A	N/A	42.912	AV
2		5350.000	42.559	-0.634	-11.441	54.000	43.193	AV

Site: AC5	Time: 2016/03/19 - 15:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5240Mhz by 802.11n20 with CDD	



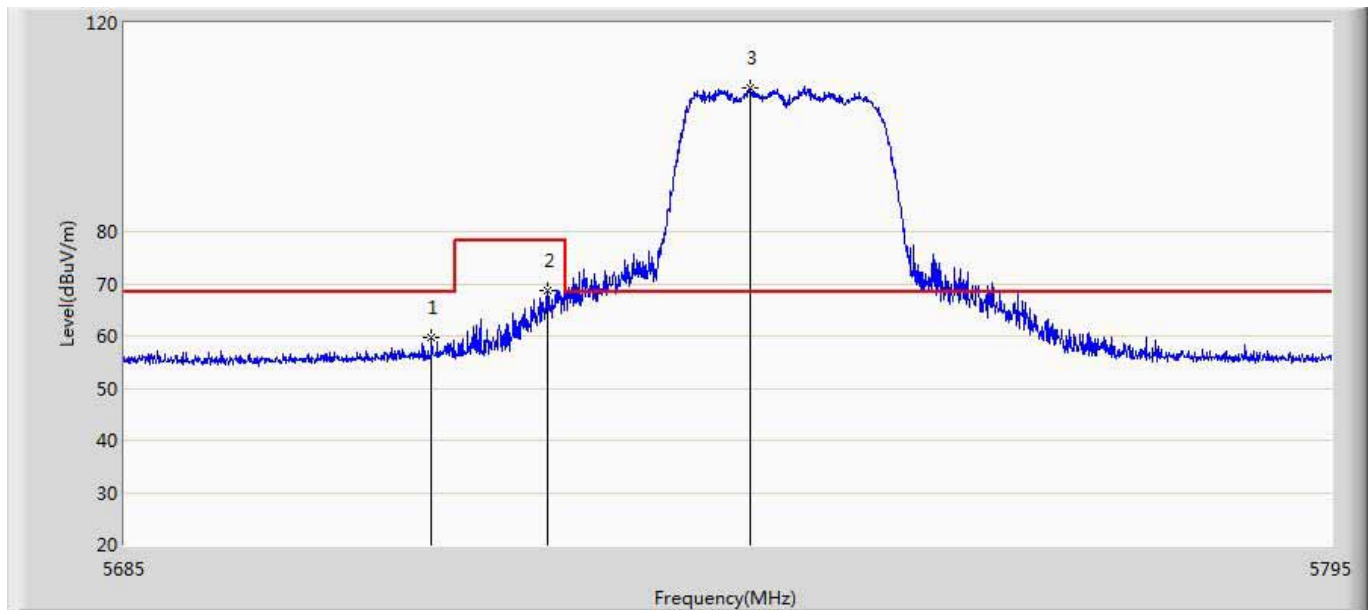
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.040	117.111	74.195	N/A	N/A	42.916	PK
2		5350.000	61.376	18.183	-12.624	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 15:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5240Mhz by 802.11n20 with CDD	



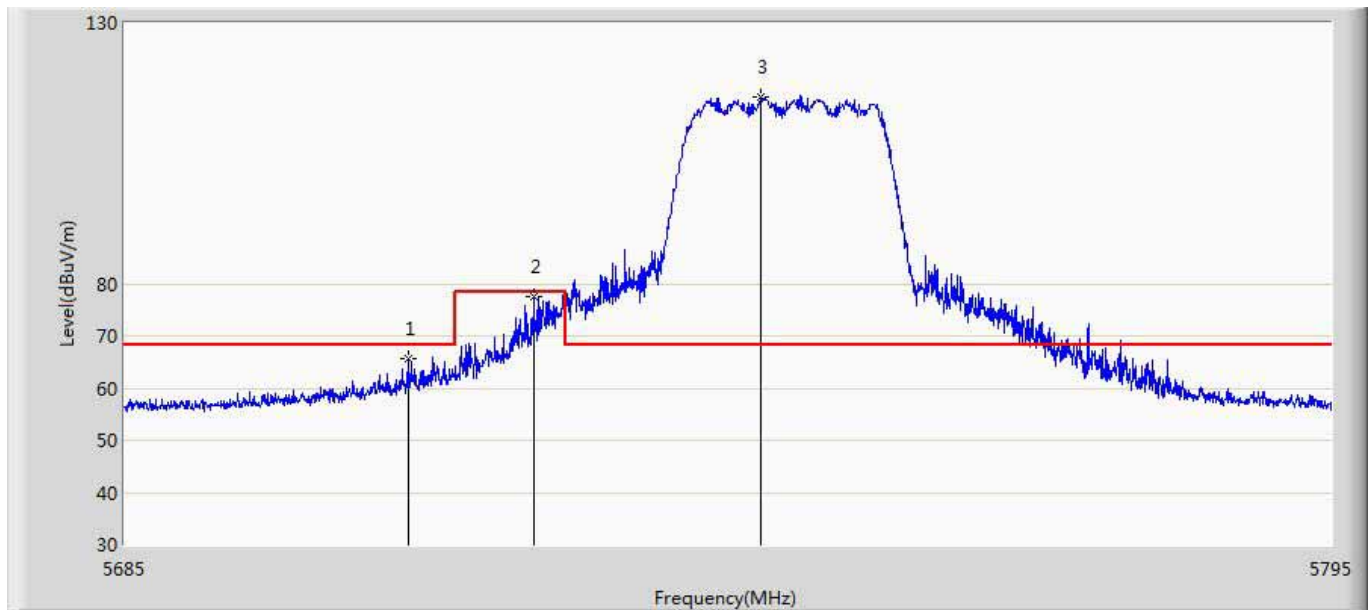
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.870	107.789	64.877	N/A	N/A	42.912	AV
2		5350.000	46.045	2.852	-7.955	54.000	43.193	AV
3		5397.030	51.562	8.355	-2.438	54.000	43.207	AV

Site: AC5	Time: 2016/03/19 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5745Mhz by 802.11n20 with CDD	



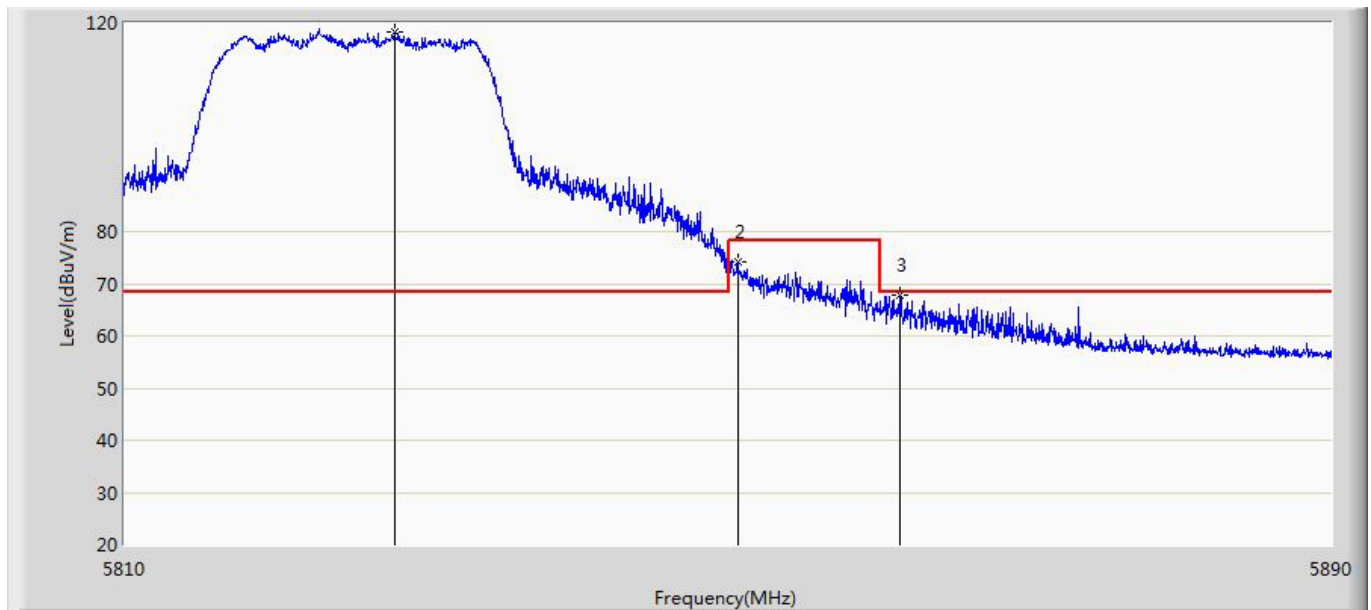
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.830	59.793	15.793	-8.507	68.300	44.001	PK
2		5723.390	68.789	24.761	-9.511	78.300	44.028	PK
3	*	5741.870	107.405	63.247	N/A	N/A	44.159	PK

Site: AC5	Time: 2016/03/19 - 16:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5745Mhz by 802.11n20 with CDD	



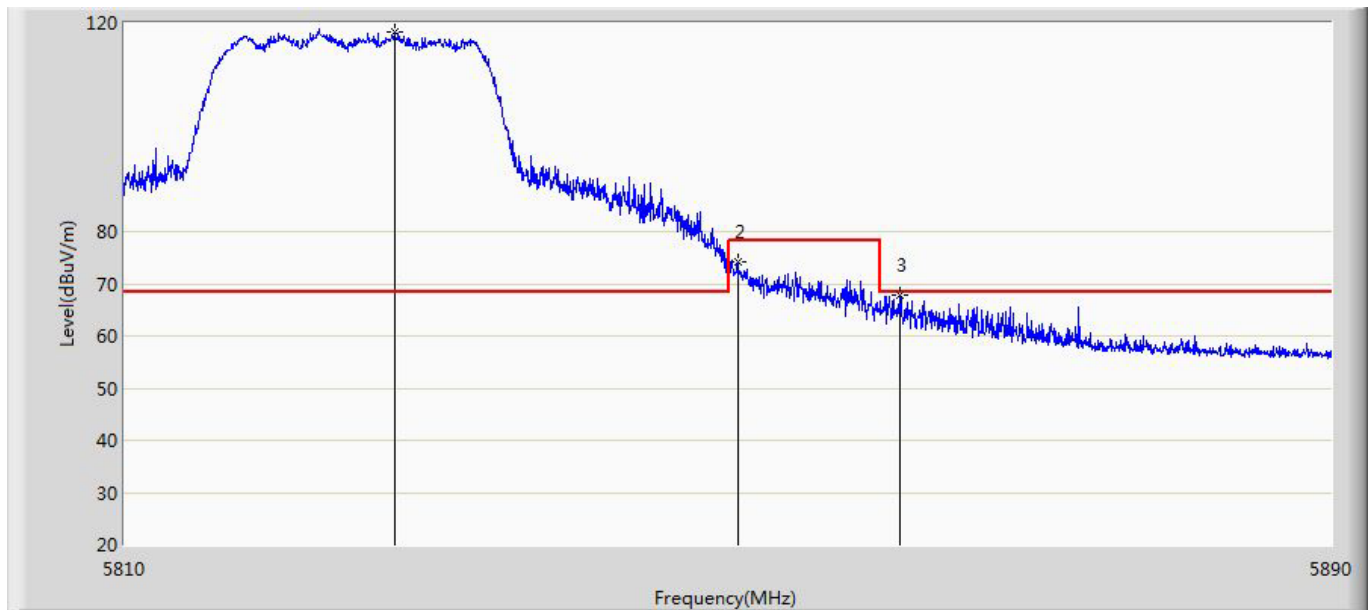
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.685	65.572	21.578	-2.728	68.300	43.994	PK
2		5722.125	77.634	33.609	-0.666	78.300	44.024	PK
3	*	5742.805	115.916	71.750	N/A	N/A	44.166	PK

Site: AC5	Time: 2016/03/19 - 16:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5825Mhz by 802.11n20 with CDD	



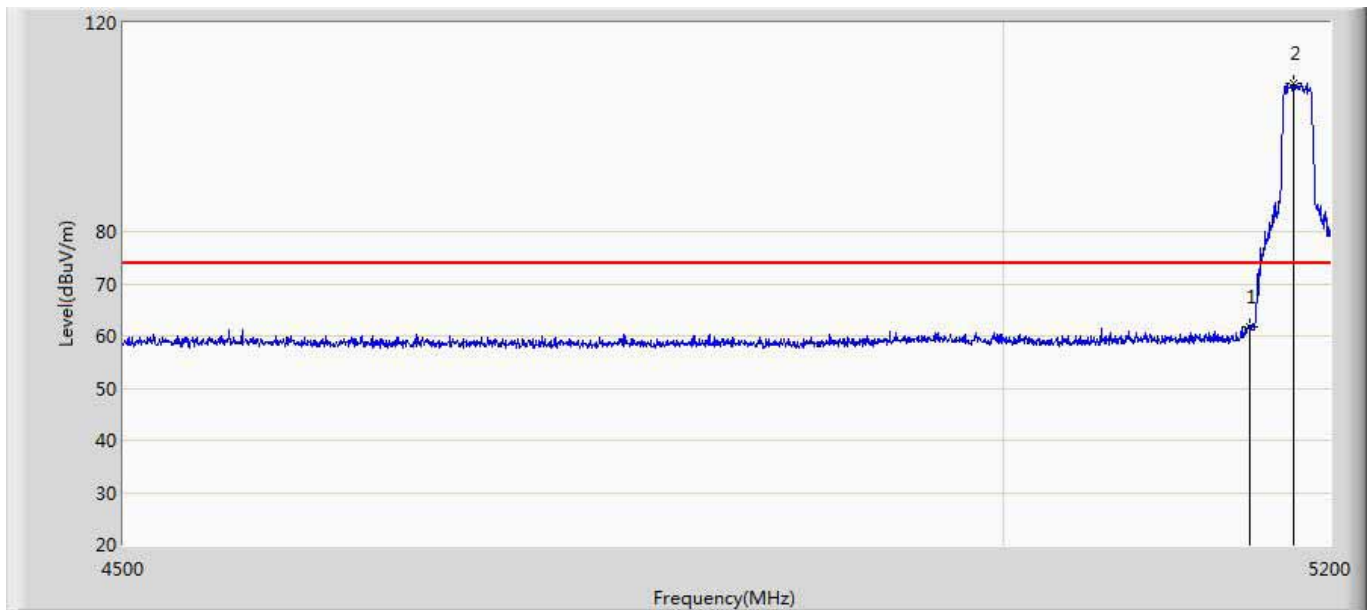
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.840	118.379	74.173	N/A	N/A	44.206	PK
2		5850.520	74.165	29.968	-4.135	78.300	44.196	PK
3		5861.280	67.700	23.384	-0.600	68.300	44.316	PK

Site: AC5	Time: 2016/03/19 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5825Mhz by 802.11n20 with CDD	



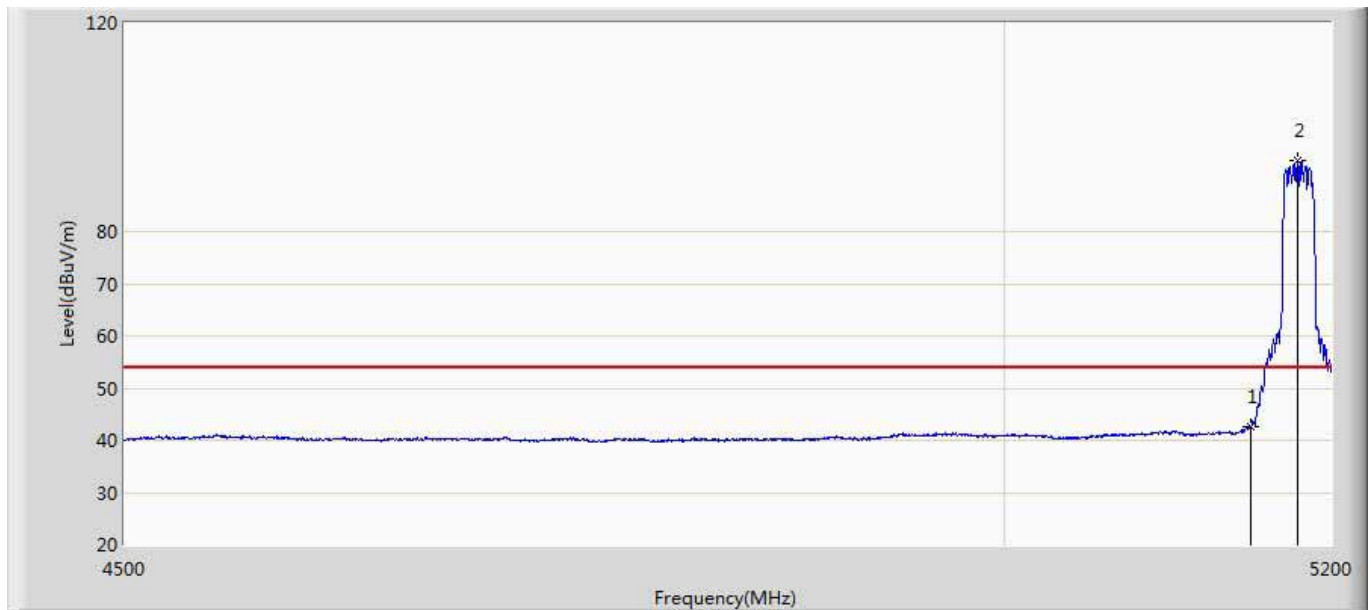
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.840	118.379	74.173	N/A	N/A	44.206	PK
2		5850.520	74.165	29.968	-4.135	78.300	44.196	PK
3		5861.280	67.700	23.384	-0.600	68.300	44.316	PK

Site: AC5	Time: 2016/03/19 - 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5180Mhz by 802.11ac20 with CDD	



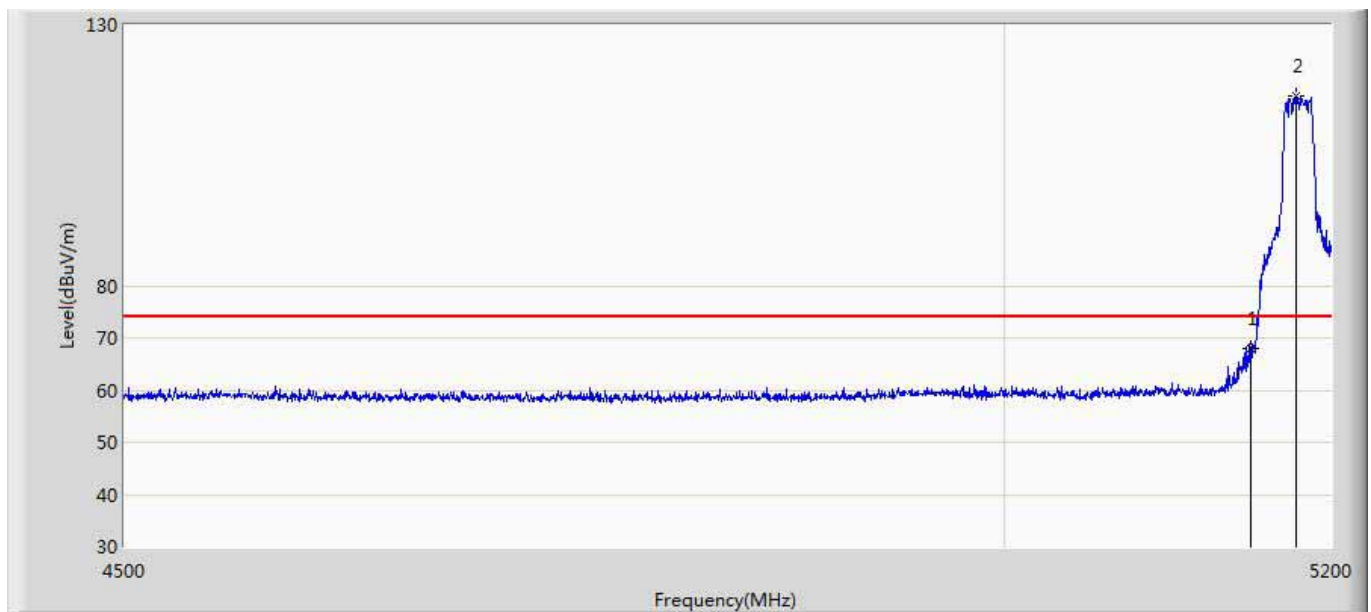
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.655	18.908	-12.345	74.000	42.747	PK
2	*	5177.600	108.435	65.564	N/A	N/A	42.872	PK

Site: AC5	Time: 2016/03/19 - 16:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5180Mhz by 802.11ac20 with CDD	



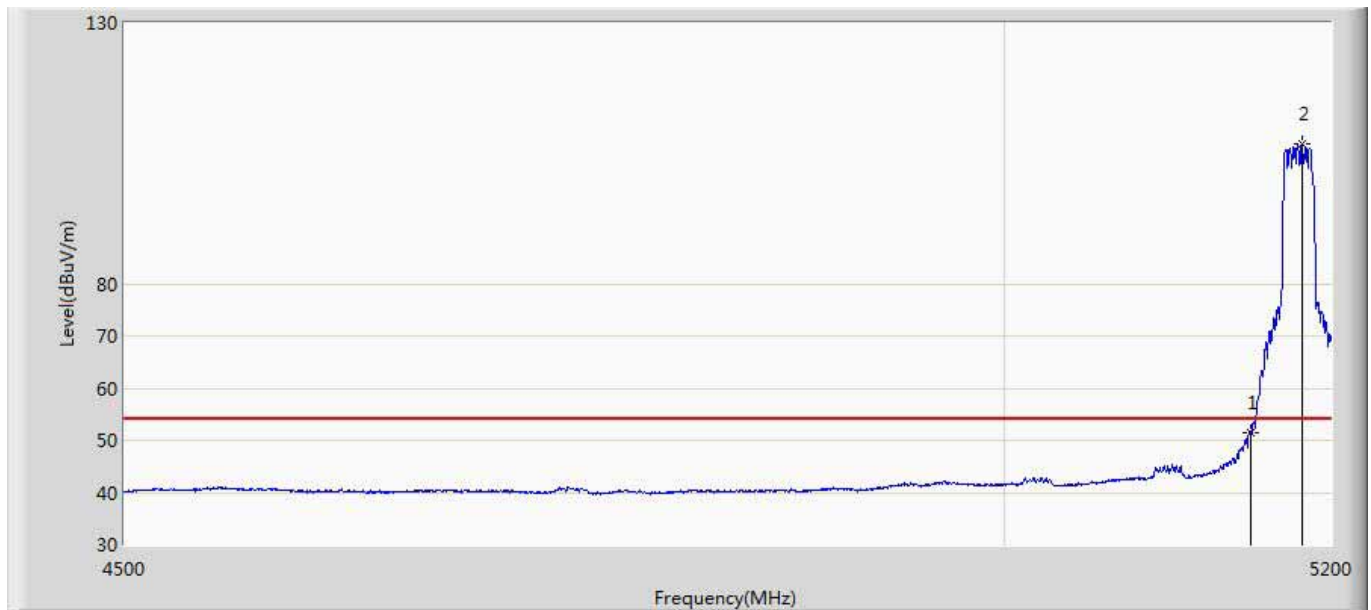
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	42.647	-0.100	-11.353	54.000	42.747	AV
2	*	5179.350	93.533	50.649	N/A	N/A	42.884	AV

Site: AC5	Time: 2016/03/19 - 16:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5180Mhz by 802.11ac20 with CDD	



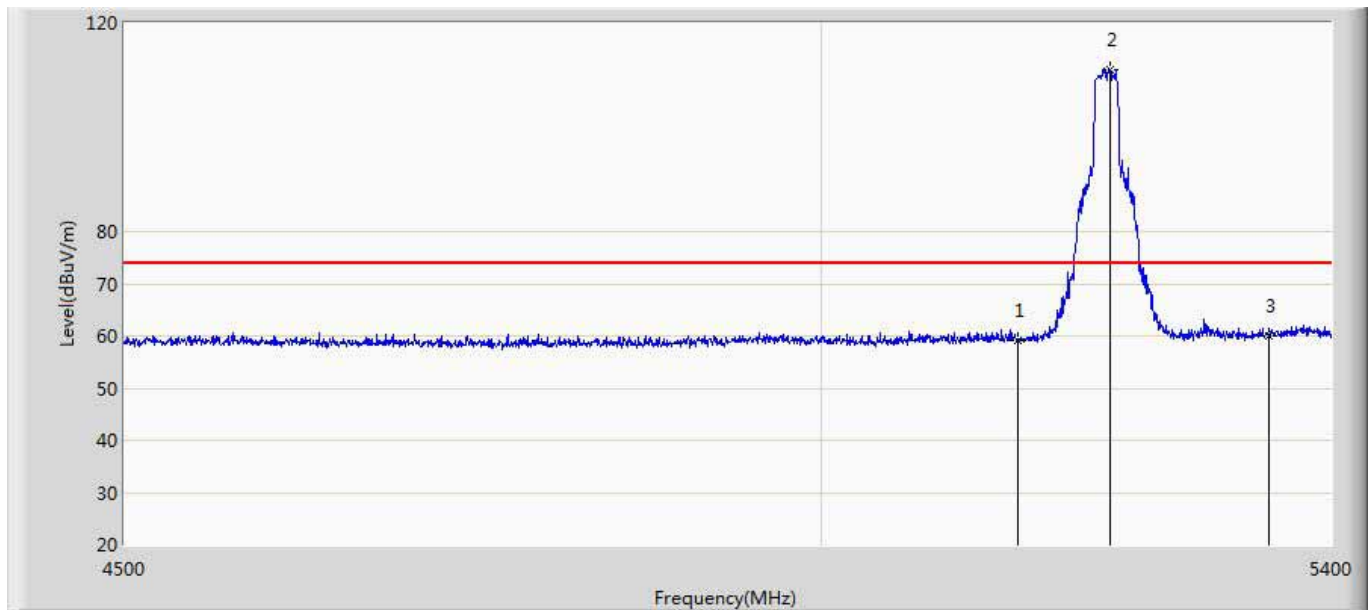
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.916	25.169	-6.084	74.000	42.747	PK
2	*	5178.650	116.394	73.515	N/A	N/A	42.880	PK

Site: AC5	Time: 2016/03/19 – 16:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5180Mhz by 802.11ac20 with CDD	



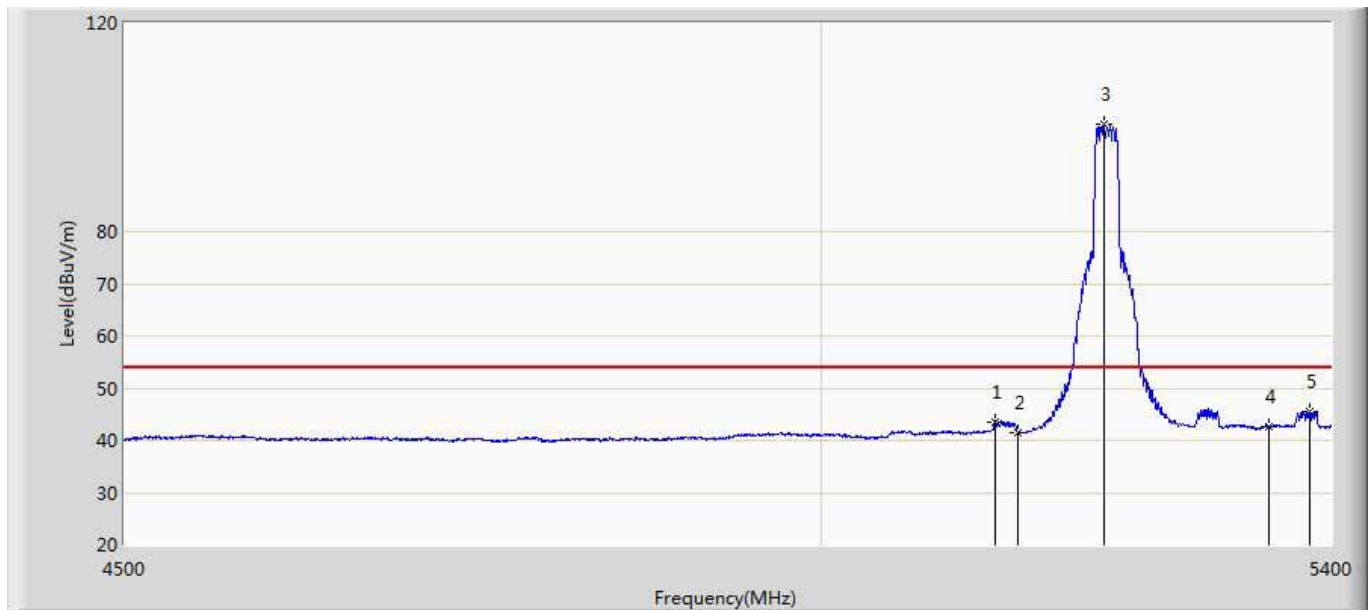
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.428	8.681	-2.572	54.000	42.747	AV
2	*	5181.800	106.906	64.003	N/A	N/A	42.903	AV

Site: AC5	Time: 2016/03/19 - 16:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5220Mhz by 802.11ac20 with CDD	



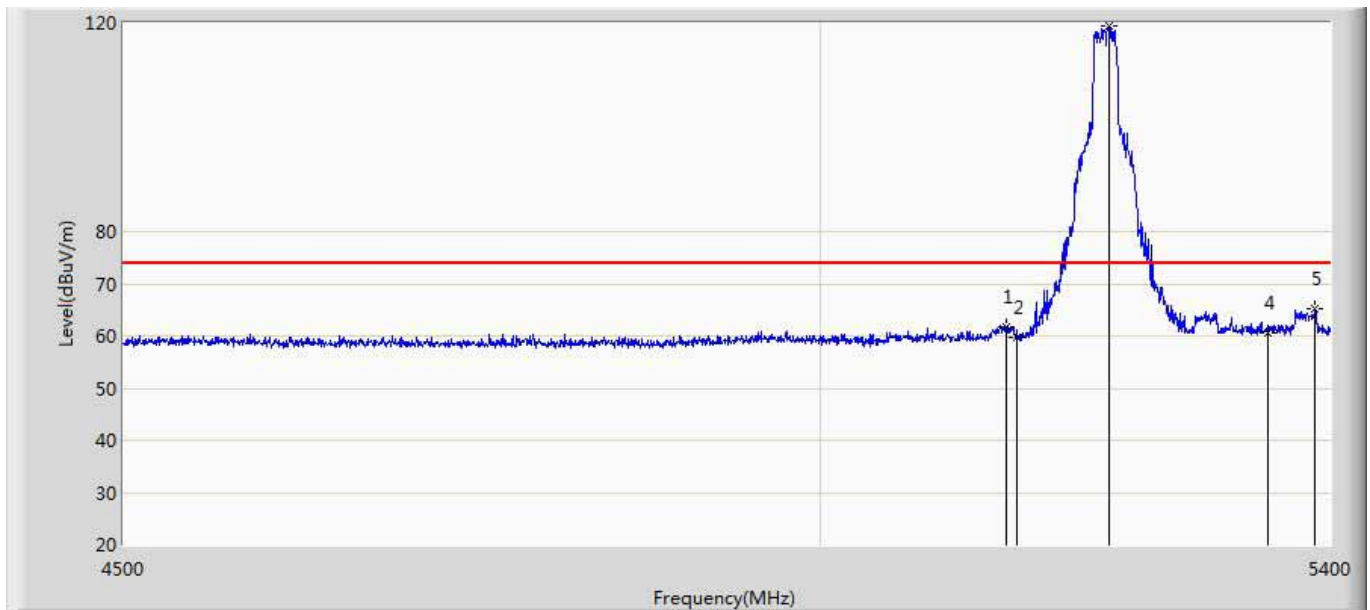
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.060	16.313	-14.940	74.000	42.747	PK
2	*	5222.700	111.159	68.338	N/A	N/A	42.821	PK
3		5350.000	60.076	16.883	-13.924	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 16:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5220Mhz by 802.11ac20 with CDD	



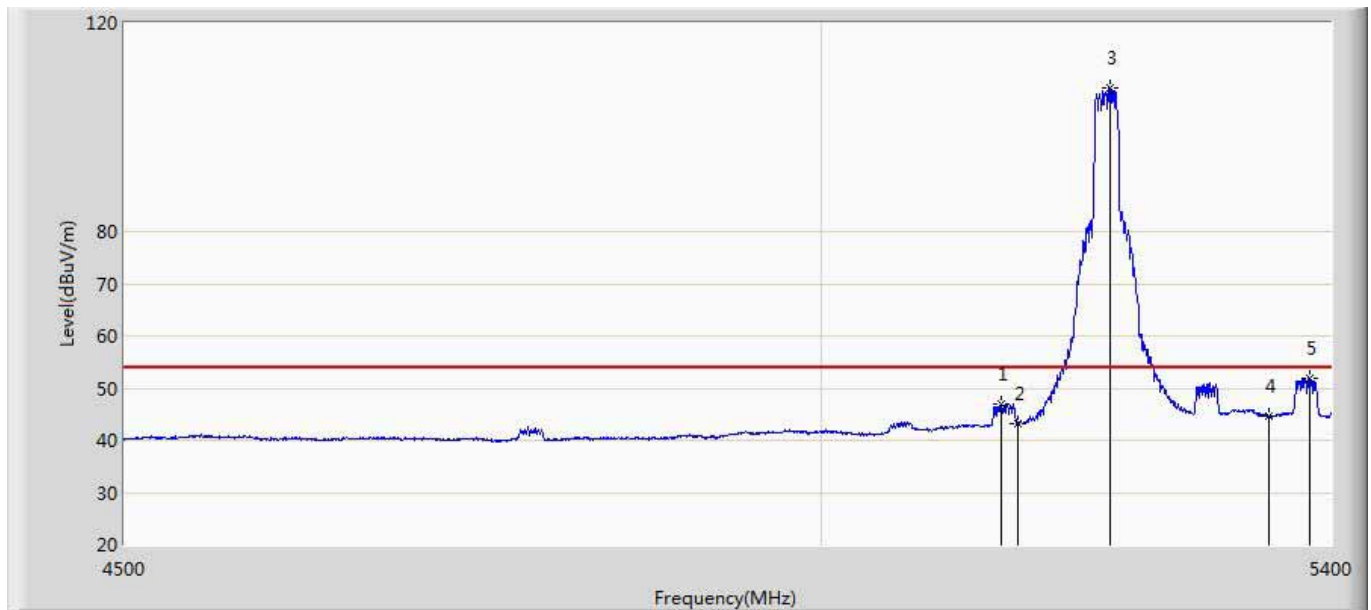
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5132.700	43.507	0.660	-10.493	54.000	42.847	AV
2		5150.000	41.545	-1.202	-12.455	54.000	42.747	AV
3	*	5218.200	100.629	57.835	N/A	N/A	42.794	AV
4		5350.000	42.681	-0.512	-11.319	54.000	43.193	AV
5		5382.900	45.394	2.275	-8.606	54.000	43.119	AV

Site: AC5	Time: 2016/03/19 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5220Mhz by 802.11ac20 with CDD	



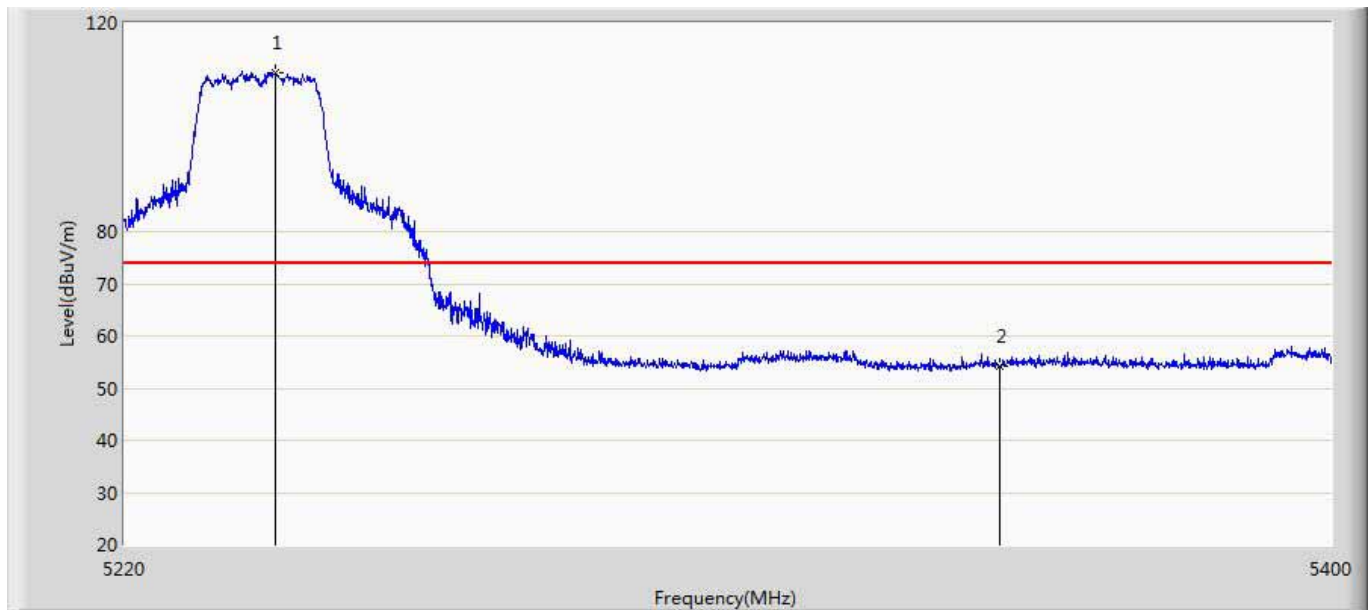
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5142.600	61.830	19.050	-12.170	74.000	42.780	PK
2		5150.000	59.635	16.888	-14.365	74.000	42.747	PK
3	*	5222.250	119.355	76.537	N/A	N/A	42.818	PK
4		5350.000	60.567	17.374	-13.433	74.000	43.193	PK
5		5387.850	65.229	22.098	-8.771	74.000	43.131	PK

Site: AC5	Time: 2016/03/19 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5220Mhz by 802.11ac20 with CDD	



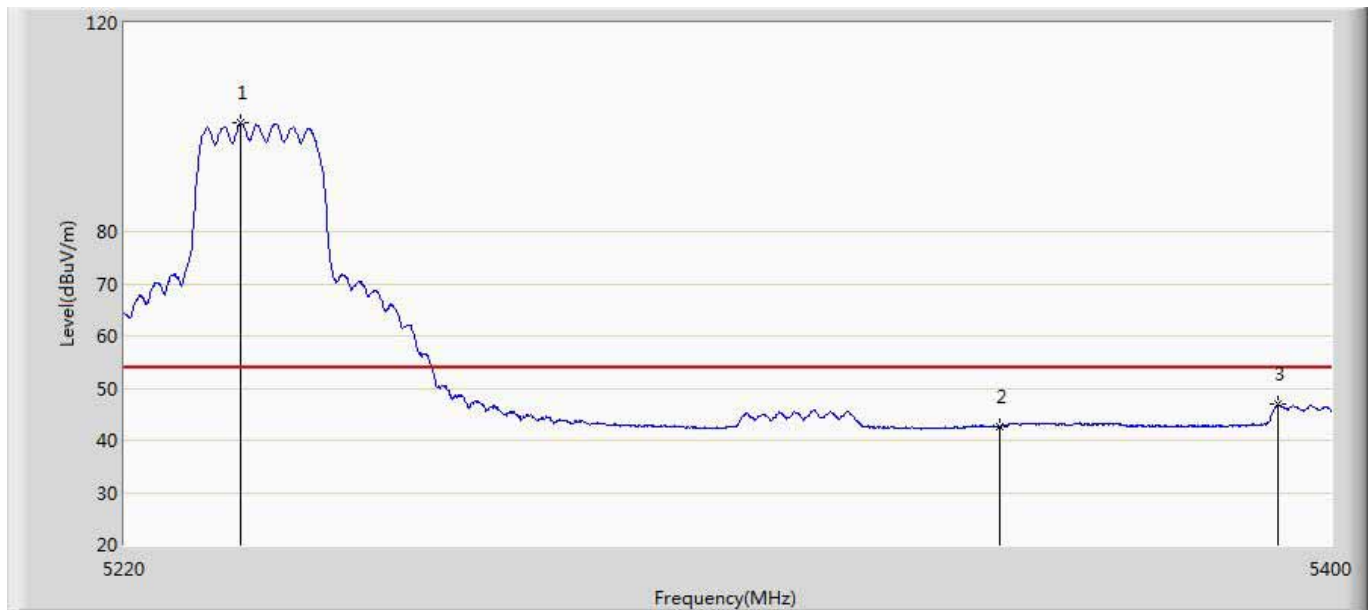
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5137.200	46.975	4.159	-7.025	54.000	42.816	AV
2		5150.000	43.305	0.558	-10.695	54.000	42.747	AV
3	*	5222.250	107.549	64.731	N/A	N/A	42.818	AV
4		5350.000	44.696	1.503	-9.304	54.000	43.193	AV
5		5382.450	51.833	8.713	-2.167	54.000	43.119	AV

Site: AC5	Time: 2016/03/19 - 16:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5240Mhz by 802.11ac20 with CDD	



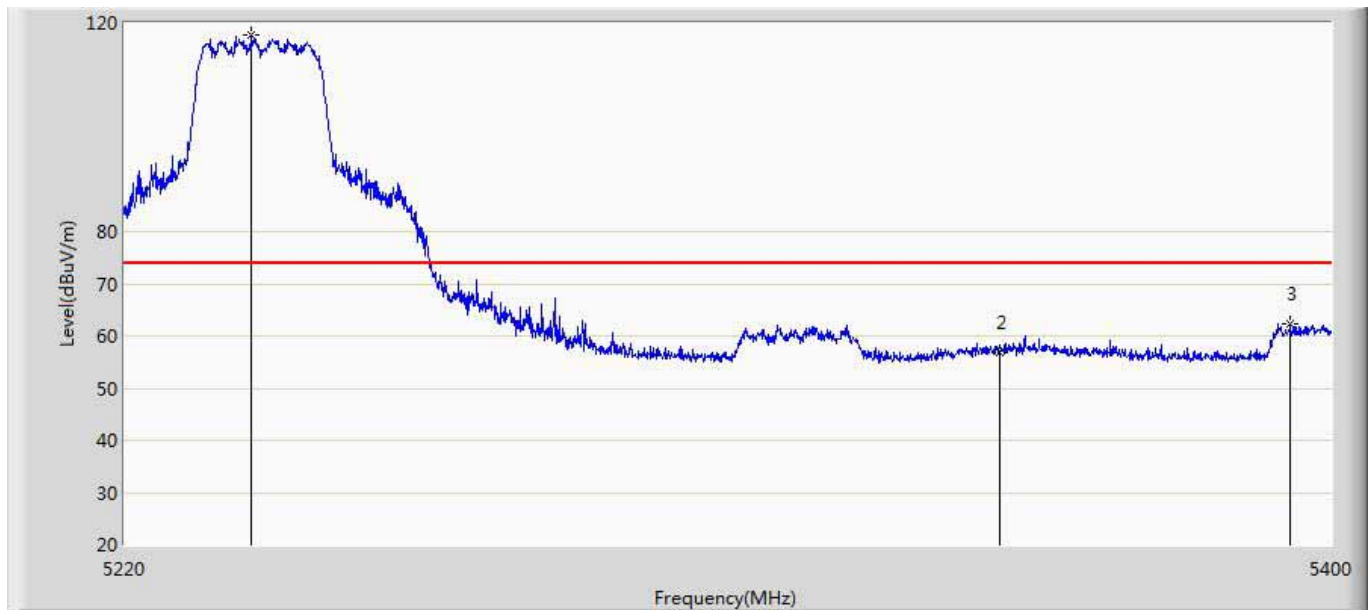
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5242.140	110.553	67.640	N/A	N/A	42.913	PK
2		5350.000	54.063	10.870	-19.937	74.000	43.193	PK

Site: AC5	Time: 2016/03/19 - 16:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 2: Transmit at 5240Mhz by 802.11n20 with CDD	



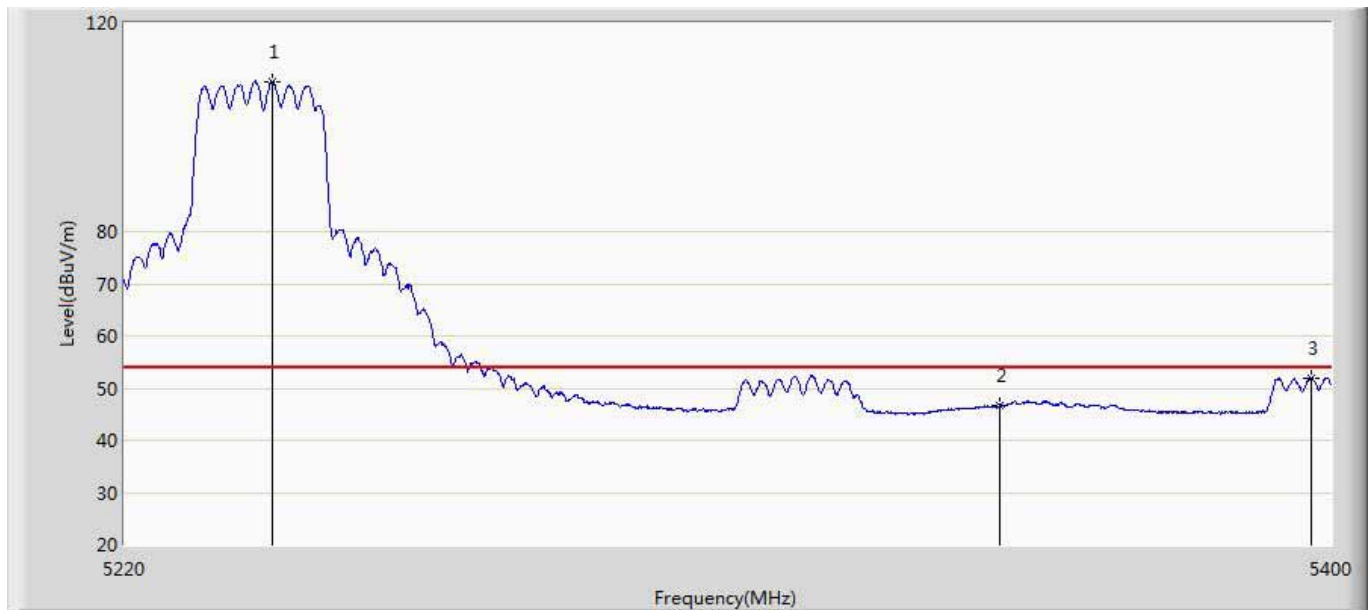
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5237.190	100.753	57.857	N/A	N/A	42.896	AV
2		5350.000	42.708	-0.485	-11.292	54.000	43.193	AV
3		5391.900	46.865	3.700	-7.135	54.000	43.165	AV

Site: AC5	Time: 2016/03/19 - 16:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5240Mhz by 802.11ac20 with CDD	



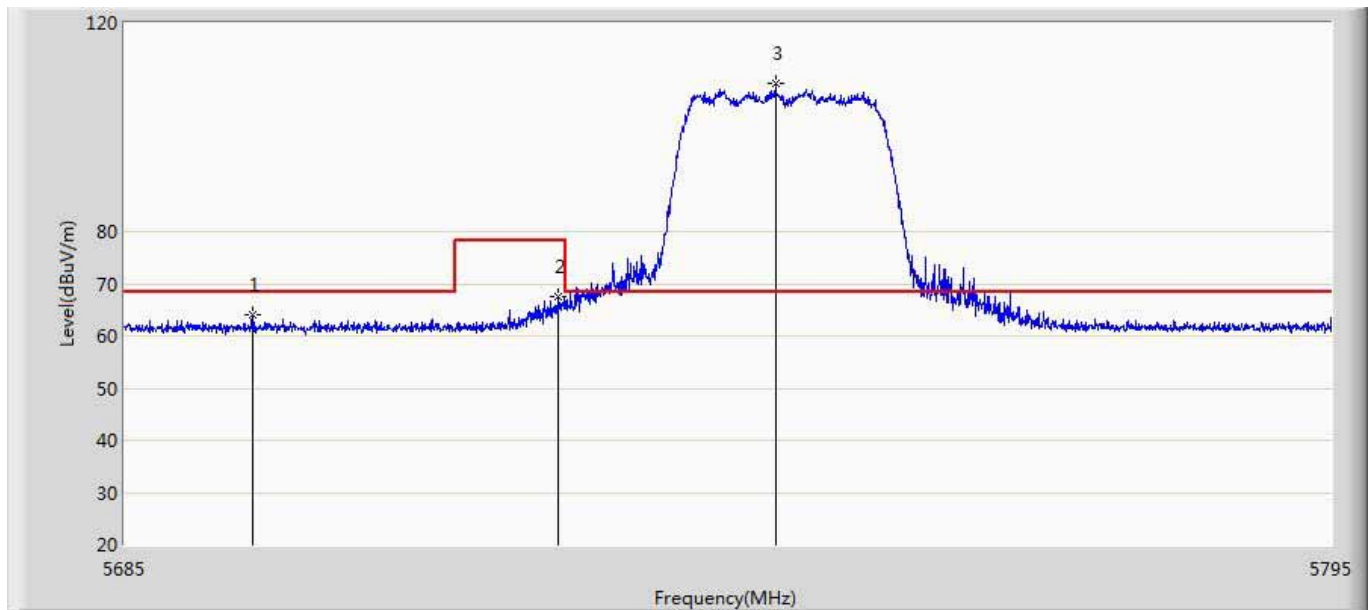
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.720	117.586	74.685	N/A	N/A	42.902	PK
2		5350.000	56.780	13.587	-17.220	74.000	43.193	PK
3		5393.790	62.187	19.007	-11.813	74.000	43.181	PK

Site: AC5	Time: 2016/03/19 - 16:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5240Mhz by 802.11ac20 with CDD	



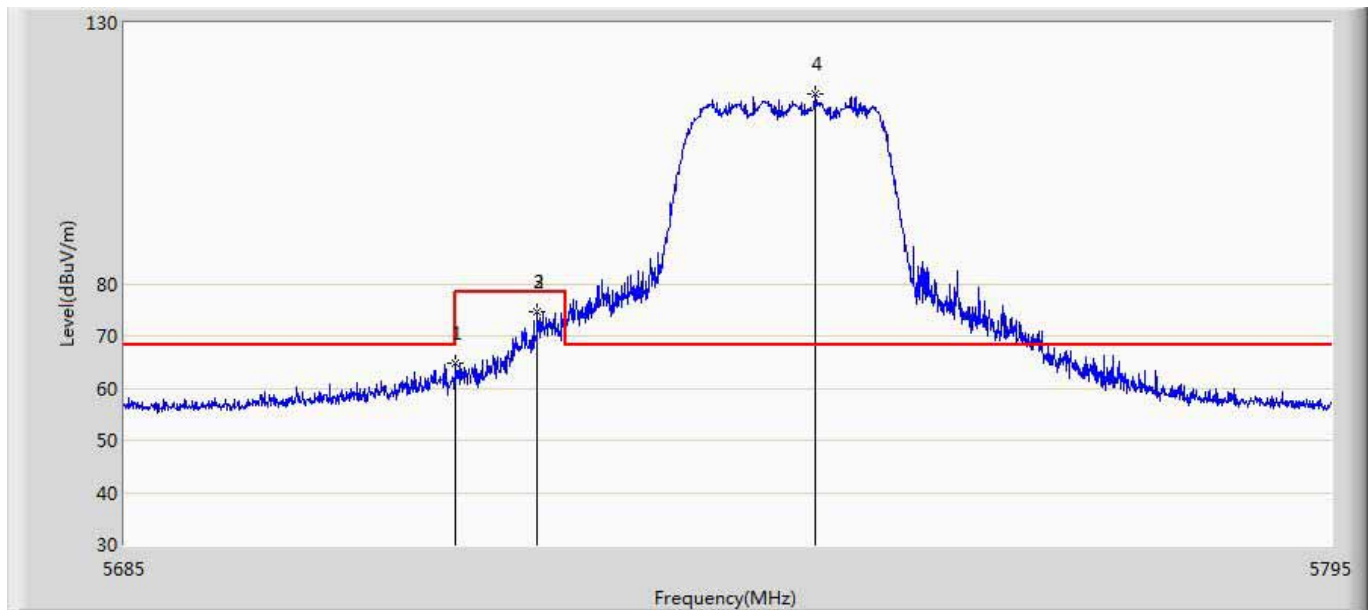
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.780	108.840	65.928	N/A	N/A	42.912	AV
2		5350.000	46.647	3.454	-7.353	54.000	43.193	AV
3		5397.030	51.969	8.762	-2.031	54.000	43.207	AV

Site: AC5	Time: 2016/03/19 - 17:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5745Mhz by 802.11ac20 with CDD	



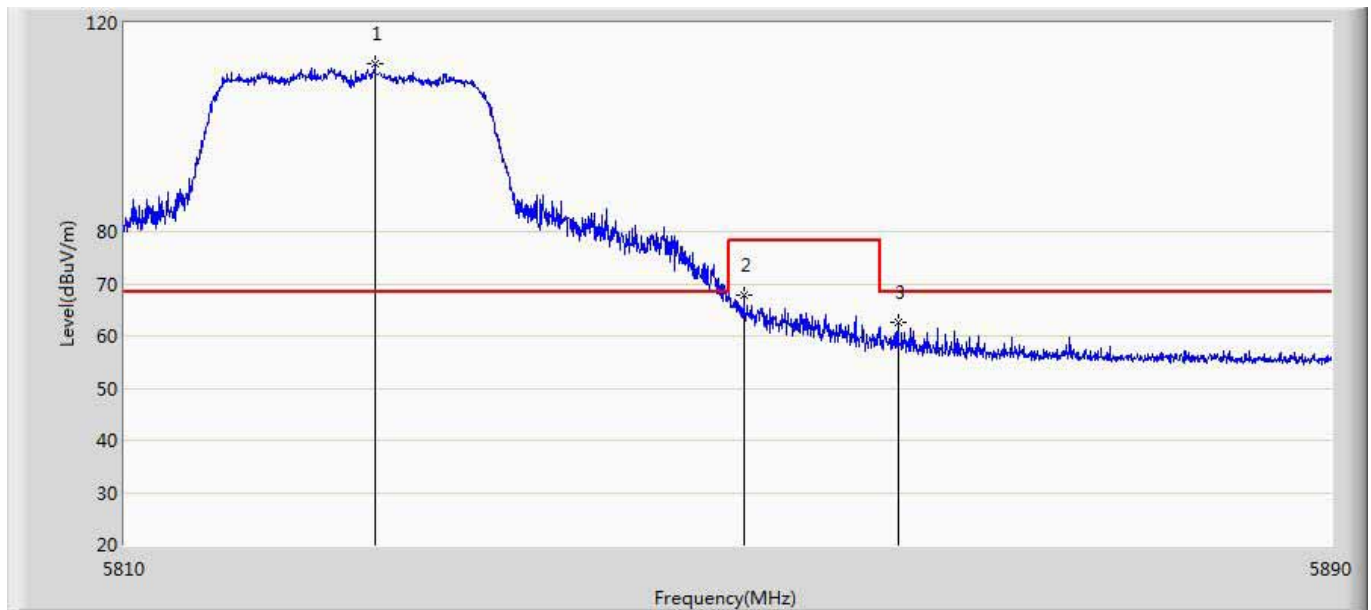
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5696.550	64.180	20.180	-4.120	68.300	44.000	PK
2		5724.380	67.534	23.503	-10.766	78.300	44.031	PK
3	*	5744.125	108.511	64.359	N/A	N/A	44.152	PK

Site: AC5	Time: 2016/03/19 - 16:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5745Mhz by 802.11ac20 with CDD	



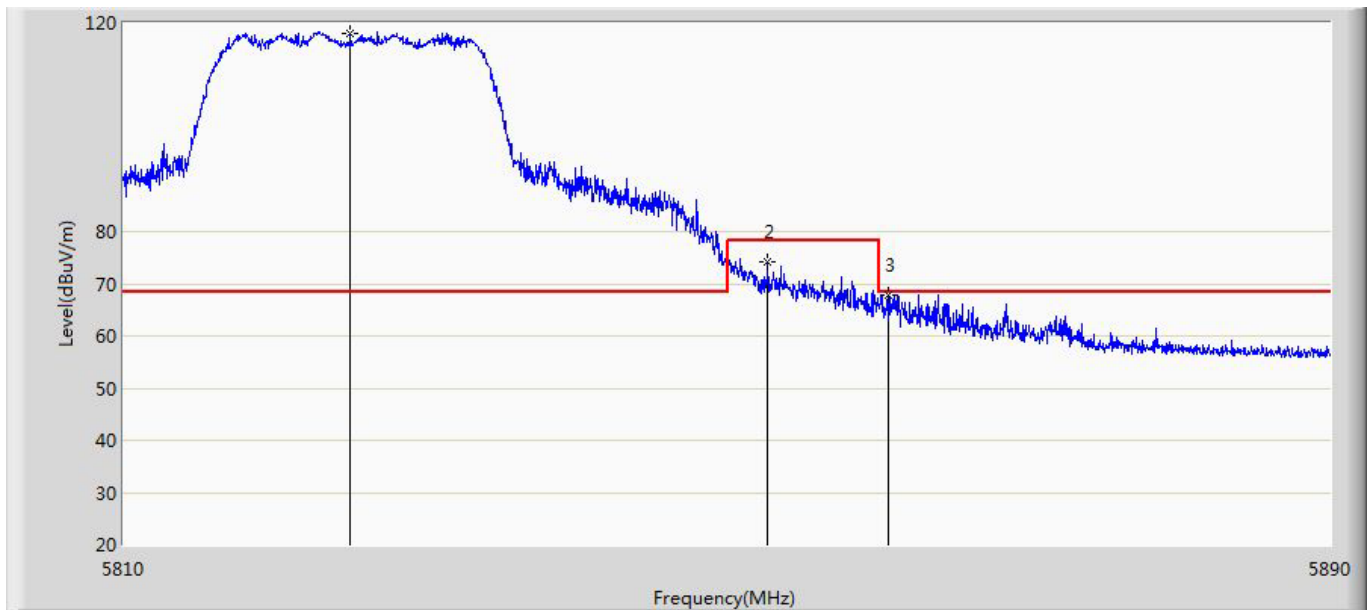
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.975	64.660	20.654	-3.640	68.300	44.006	PK
2		5722.455	74.623	30.597	-3.677	78.300	44.026	PK
3		5722.455	74.623	30.597	-3.677	78.300	44.026	PK
4	*	5747.755	116.267	72.163	N/A	N/A	44.105	PK

Site: AC5	Time: 2016/03/19 - 17:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5825Mhz by 802.11ac20 with CDD	



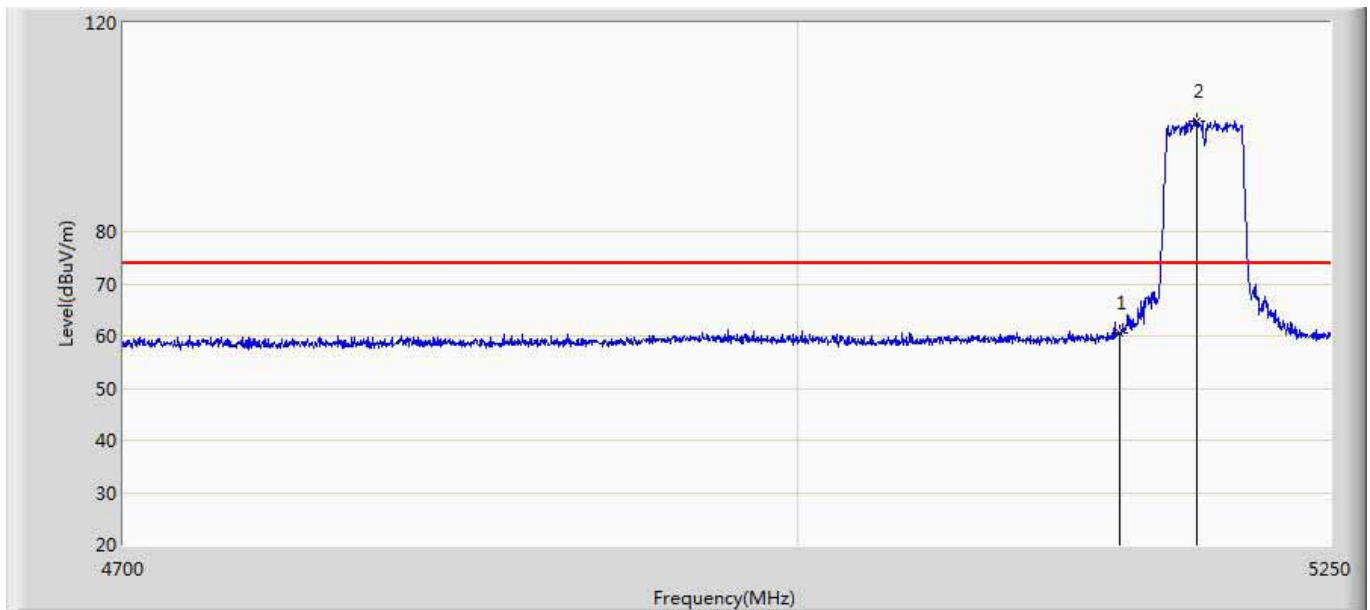
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5826.560	112.128	67.936	N/A	N/A	44.192	PK
2		5850.960	67.715	23.513	-10.585	78.300	44.202	PK
3		5861.160	62.533	18.218	-5.767	68.300	44.315	PK

Site: AC5	Time: 2016/03/19 - 17:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 3: Transmit at 5825Mhz by 802.11ac20 with CDD	



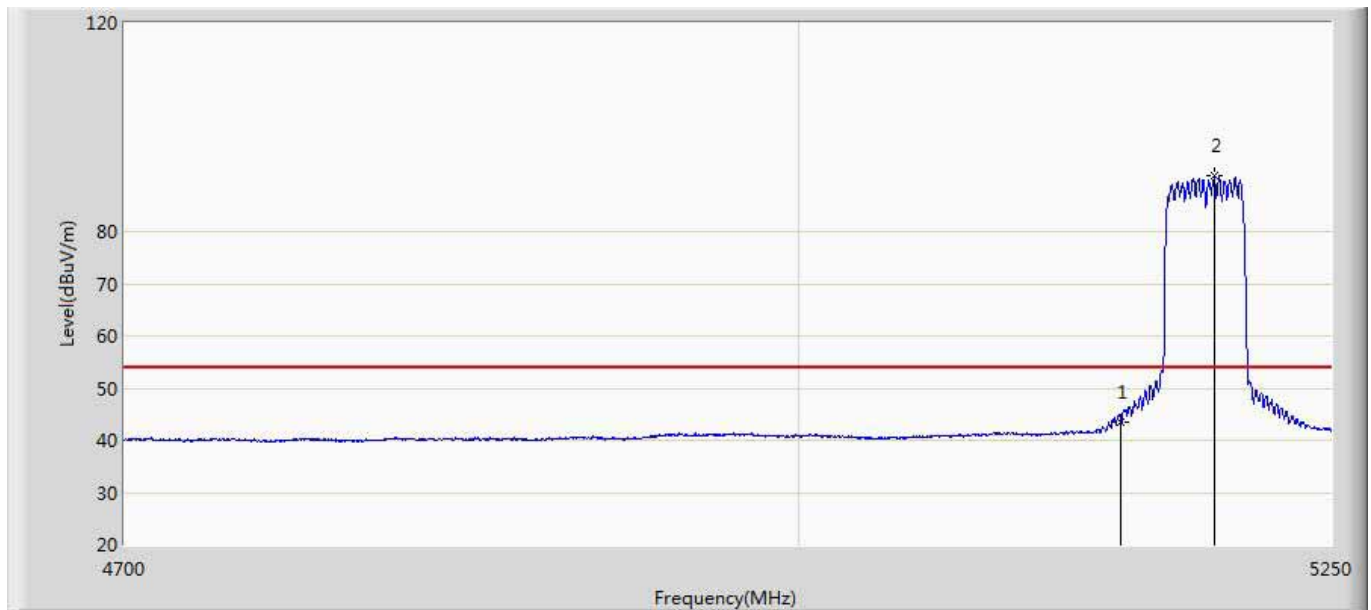
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5825.000	117.915	73.739	N/A	N/A	44.176	PK
2		5852.600	74.169	29.949	-4.131	78.300	44.220	PK
3		5860.560	67.799	23.491	-0.501	68.300	44.308	PK

Site: AC5	Time: : 2016/03/19 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5190Mhz by 802.11n40 with CDD	



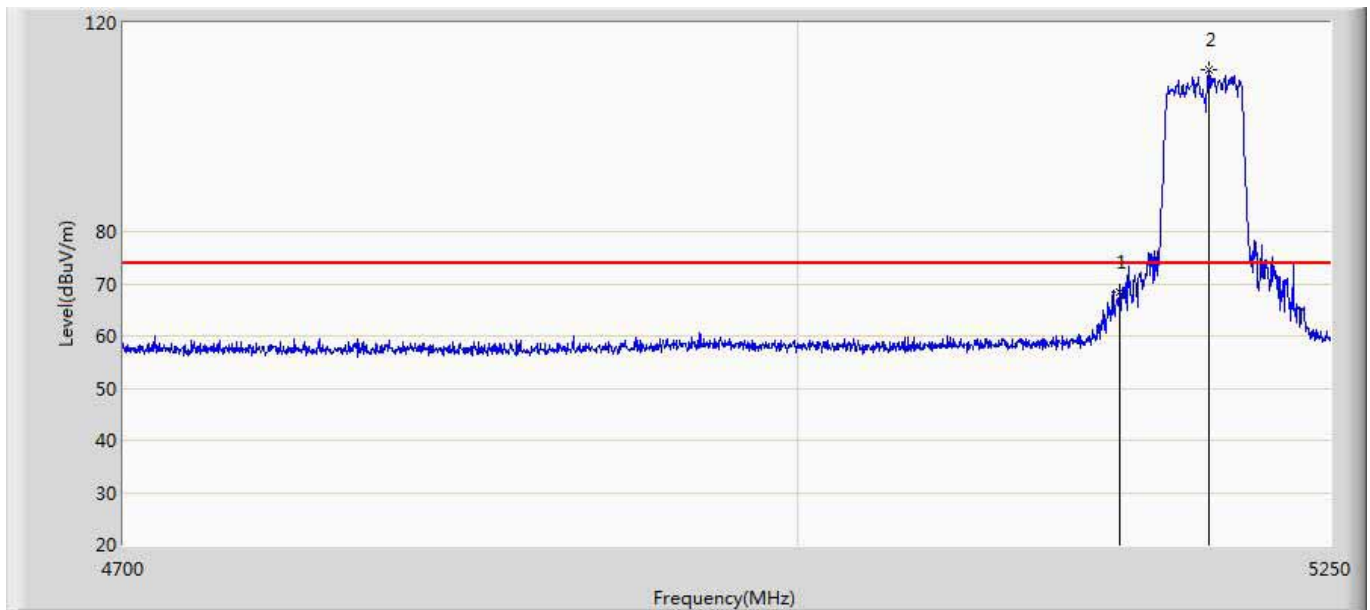
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.511	17.764	-13.489	74.000	42.747	PK
2	*	5186.475	101.241	58.345	N/A	N/A	42.895	PK

Site: AC5	Time: 2016/03/19 - 17:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5190Mhz by 802.11n40 with CDD	



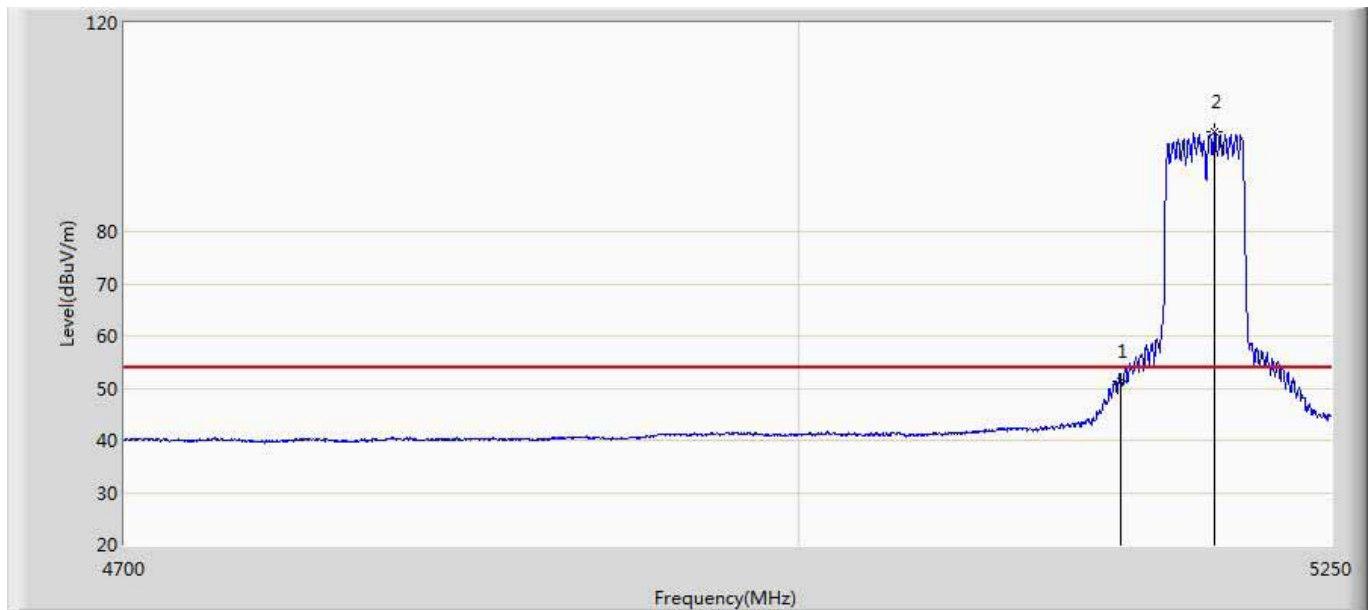
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	43.606	0.859	-10.394	54.000	42.747	AV
2	*	5193.900	90.745	47.863	N/A	N/A	42.882	AV

Site: AC5	Time: 2016/03/19 - 17:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5190Mhz by 802.11n40 with CDD	



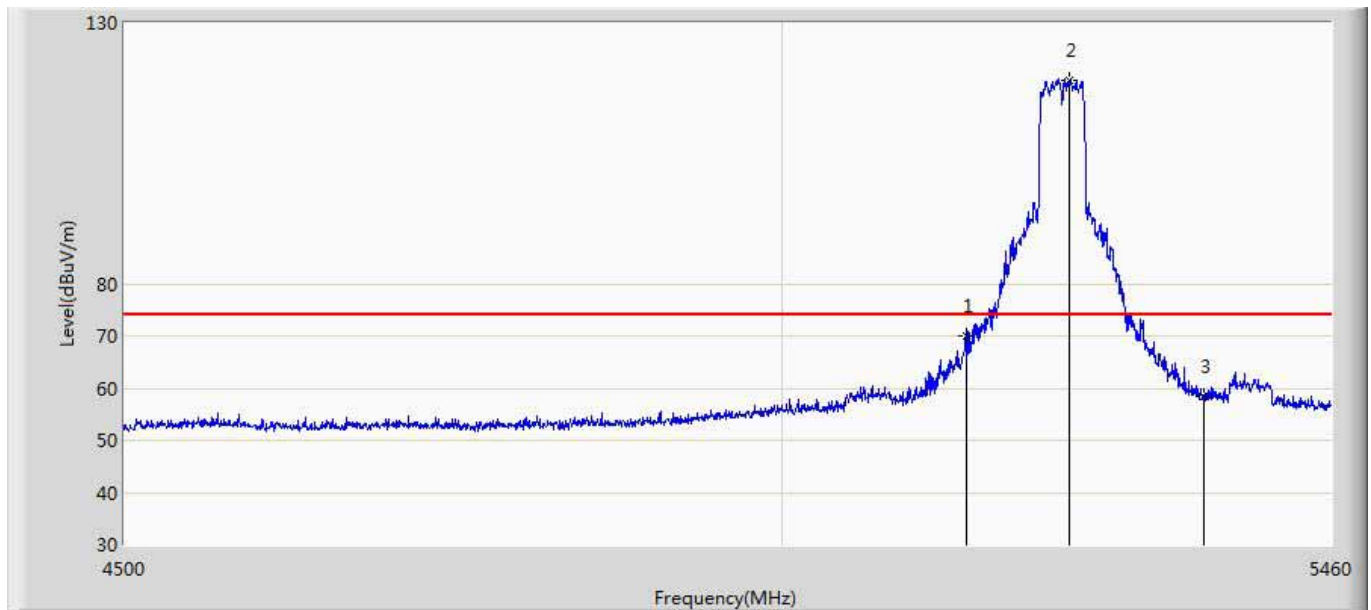
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	68.359	25.612	-5.641	74.000	42.747	PK
2	*	5191.975	111.046	68.160	N/A	N/A	42.886	PK

Site: AC5	Time: 2016/03/19 - 17:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5190Mhz by 802.11n40 with CDD	



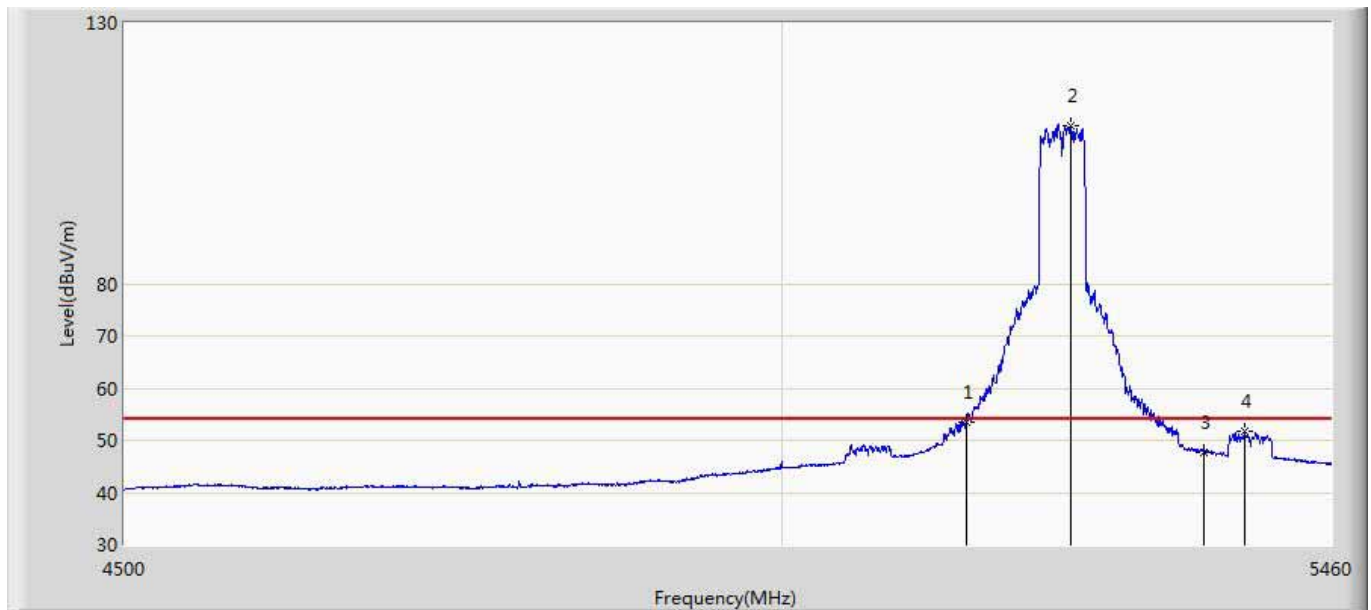
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.445	8.698	-2.555	54.000	42.747	AV
2	*	5194.450	99.142	56.261	N/A	N/A	42.881	AV

Site: AC5	Time: 2016/03/19 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5230Mhz by 802.11n40 with CDD	



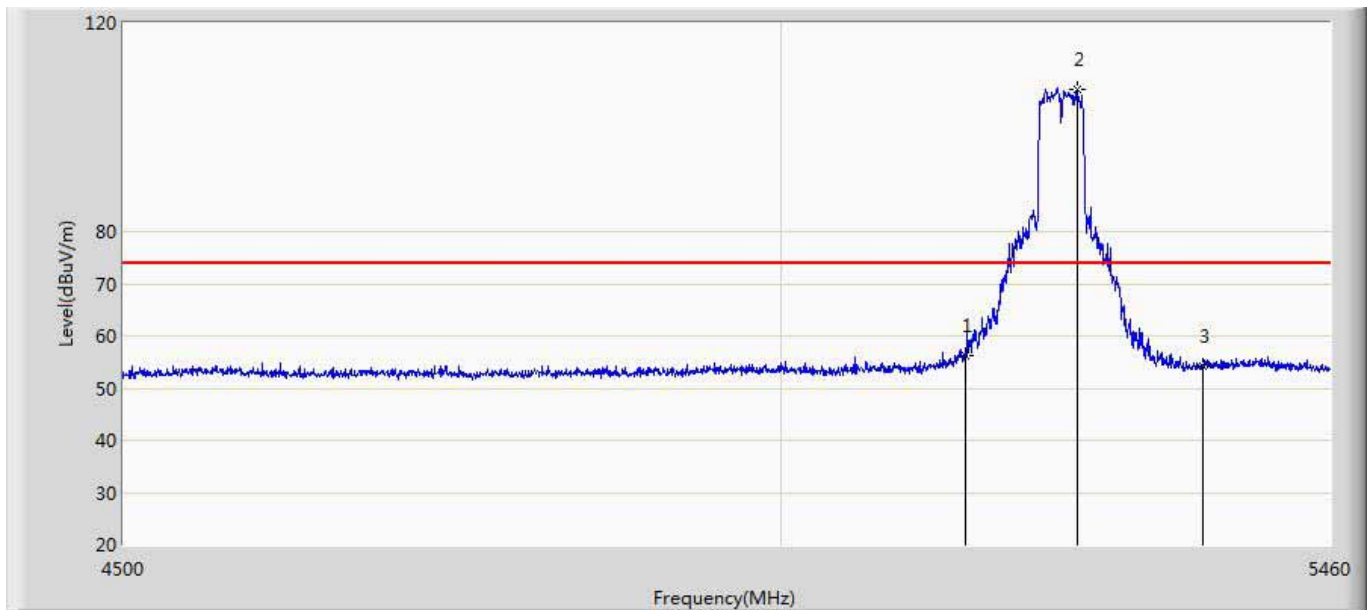
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	70.121	28.106	-3.879	74.000	42.015	PK
2	*	5236.320	119.060	76.965	N/A	N/A	42.095	PK
3		5350.000	58.298	15.782	-15.702	74.000	42.516	PK

Site: AC5	Time: 2016/03/19 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5230Mhz by 802.11n40 with CDD	



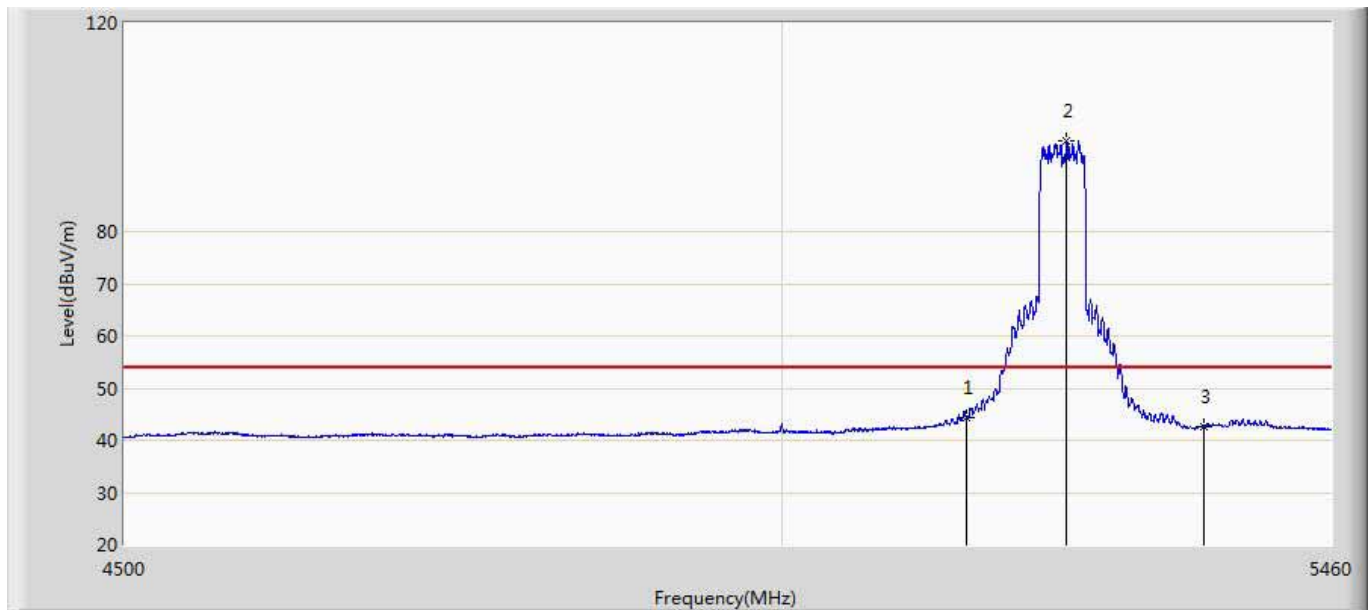
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	53.395	11.380	-0.605	54.000	42.015	AV
2	*	5236.800	110.291	68.191	N/A	N/A	42.100	AV
3		5350.000	47.760	5.244	-6.240	54.000	42.516	AV
4		5385.120	51.754	9.421	-2.246	54.000	42.333	AV

Site: AC5	Time: 2016/03/19 - 17:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5230Mhz by 802.11n40 with CDD	



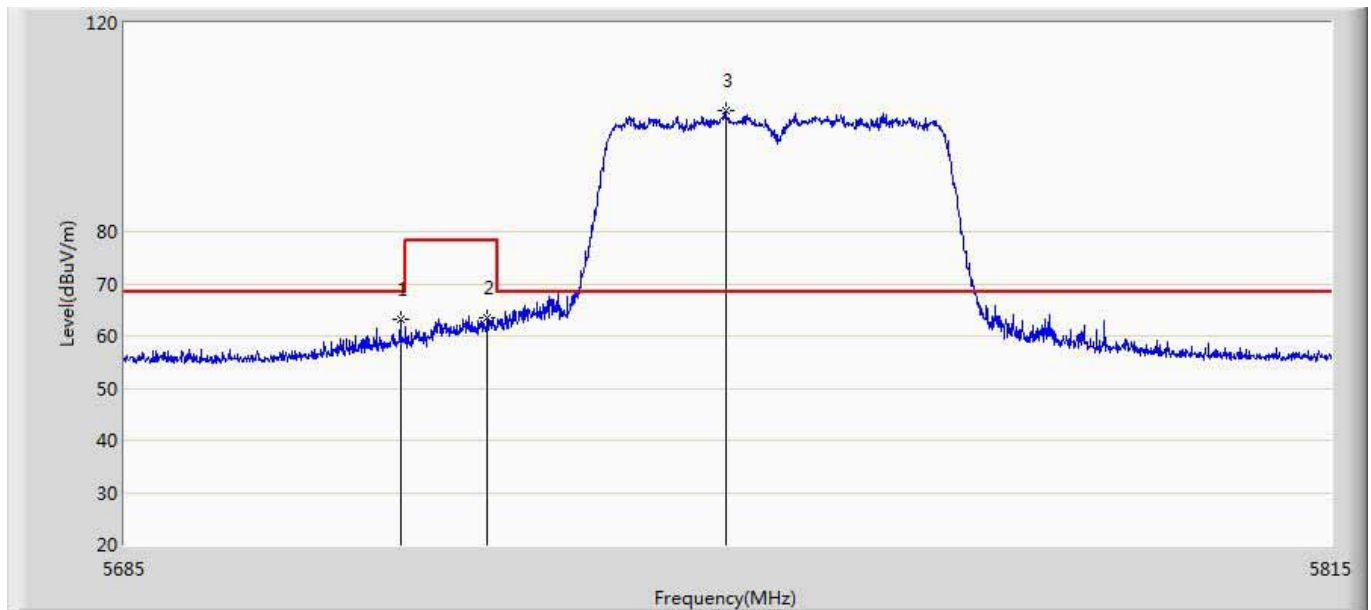
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	56.252	14.237	-17.748	74.000	42.015	PK
2	*	5243.520	107.310	65.144	N/A	N/A	42.167	PK
3		5350.000	54.273	11.757	-19.727	74.000	42.516	PK

Site: AC5	Time: 2016/03/19 - 17:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5230Mhz by 802.11n40 with CDD	



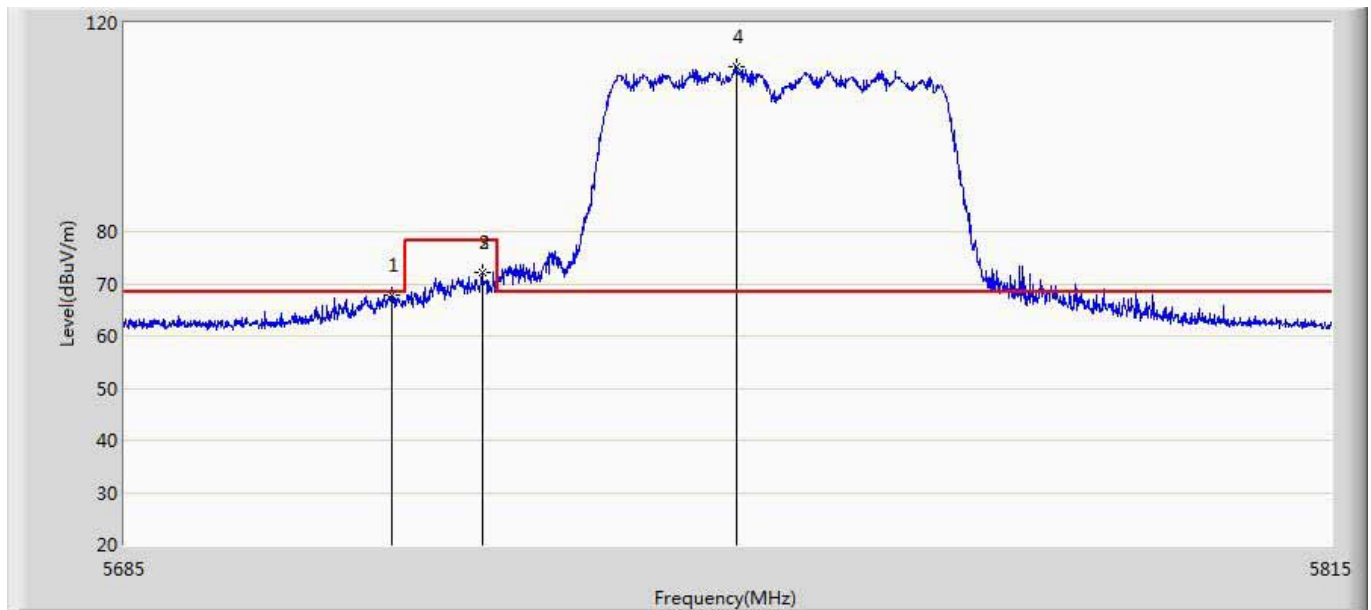
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	44.473	2.458	-9.527	54.000	42.015	AV
2	*	5233.440	97.283	55.216	N/A	N/A	42.066	AV
3		5350.000	42.609	0.093	-11.391	54.000	42.516	AV

Site: AC5	Time: 2016/03/19 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5775Mhz by 802.11n40 with CDD	



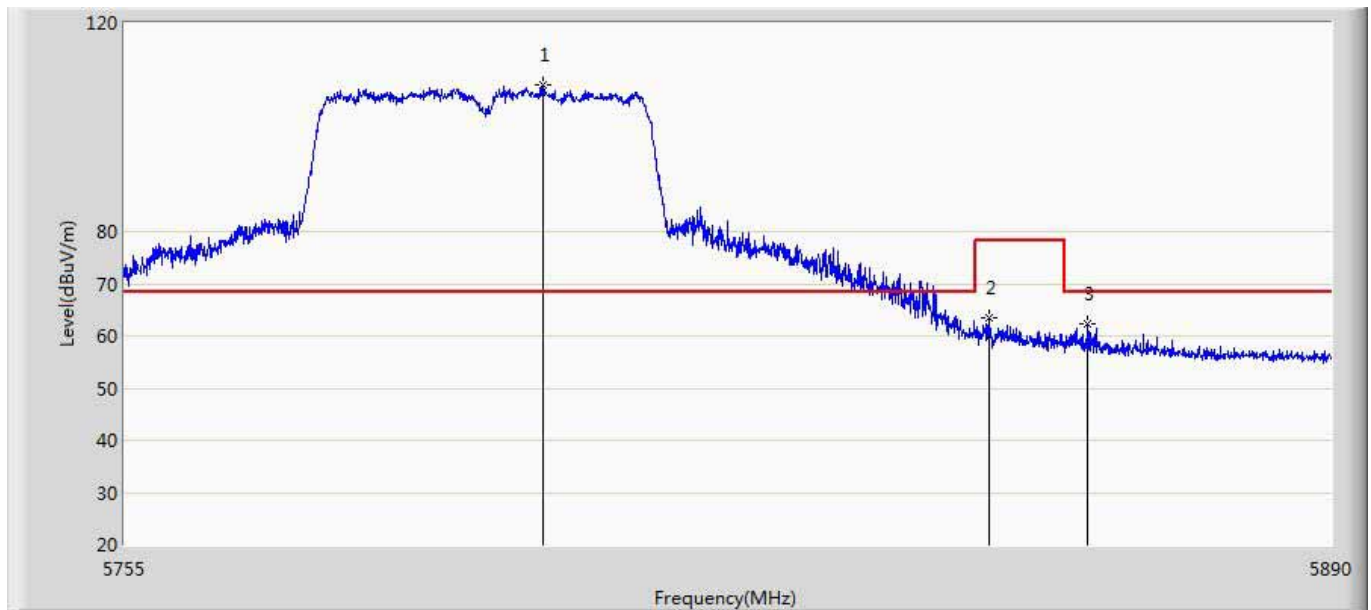
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.510	63.263	19.258	-5.037	68.300	44.004	PK
2		5723.870	63.510	19.481	-14.790	78.300	44.029	PK
3	*	5749.415	103.066	58.984	N/A	N/A	44.083	PK

Site: AC5	Time: 2016/03/19 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5775Mhz by 802.11n40 with CDD	



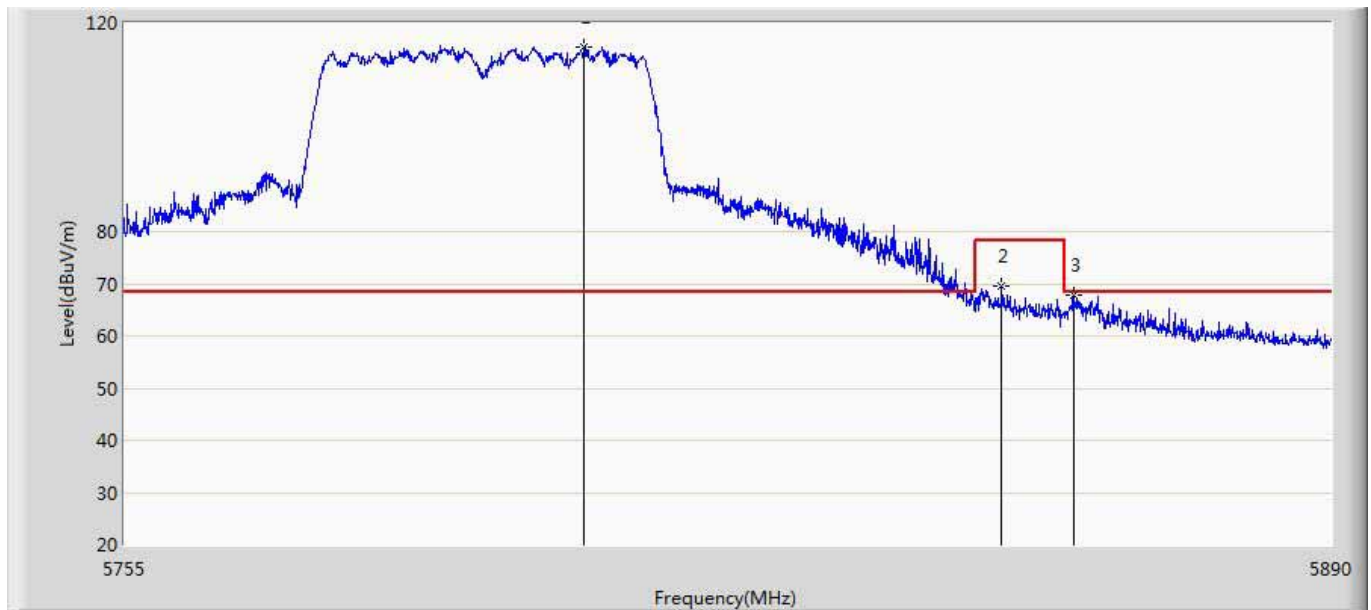
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.600	67.757	23.755	-0.543	68.300	44.002	PK
2		5723.285	72.287	28.259	-6.013	78.300	44.028	PK
3		5723.285	72.287	28.259	-6.013	78.300	44.028	PK
4	*	5750.585	111.534	67.467	N/A	N/A	44.067	PK

Site: AC5	Time: 2016/03/19 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5795Mhz by 802.11n40 with CDD	



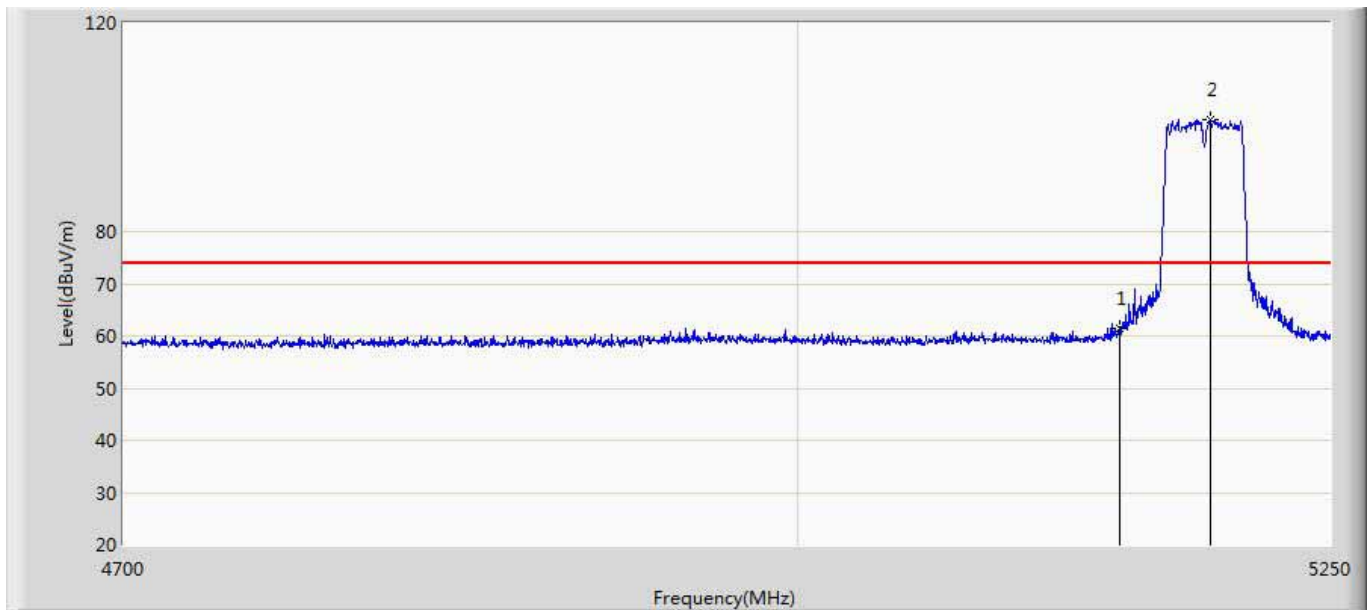
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5801.575	108.039	64.033	N/A	N/A	44.006	PK
2		5851.525	63.618	19.410	-14.682	78.300	44.208	PK
3		5862.595	62.272	17.945	-6.028	68.300	44.327	PK

Site: AC5	Time: 2016/03/19 - 17:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 4: Transmit at 5795Mhz by 802.11n40 with CDD	



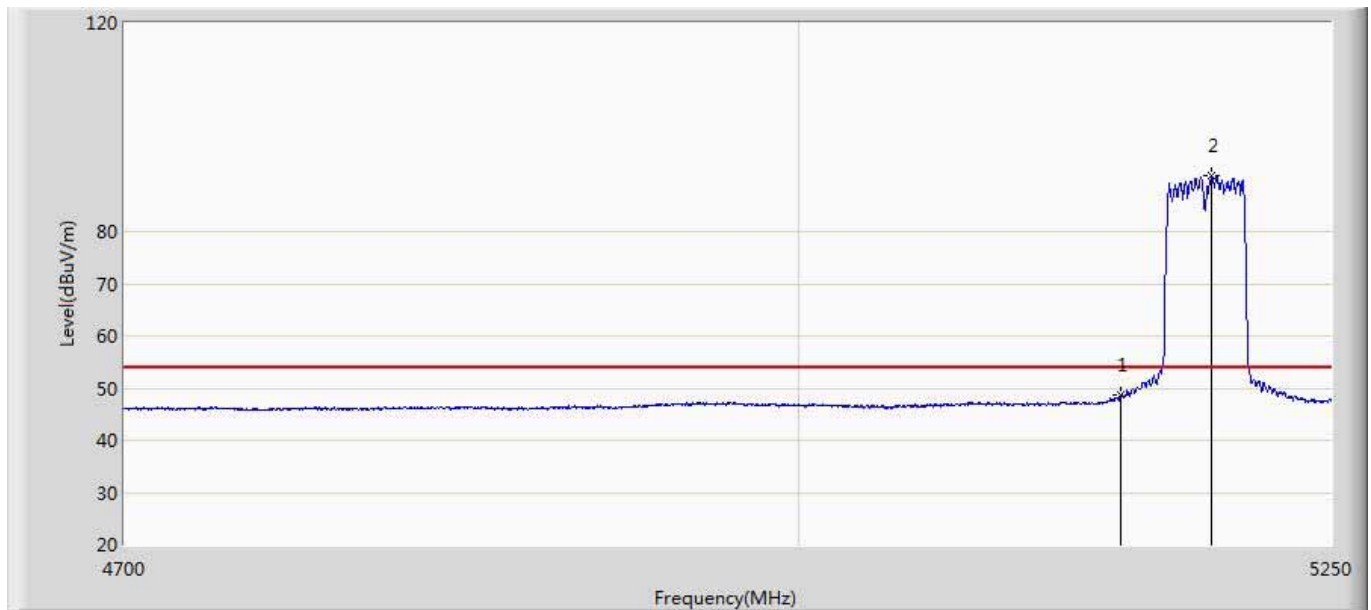
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5806.030	115.257	71.240	N/A	N/A	44.017	PK
2		5852.808	69.600	25.378	-8.700	78.300	44.222	PK
3		5860.908	67.684	23.372	-0.616	68.300	44.312	PK

Site: AC5	Time: 2016/03/19 - 17:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity :Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5190Mhz by 802.11ac40 with CDD	



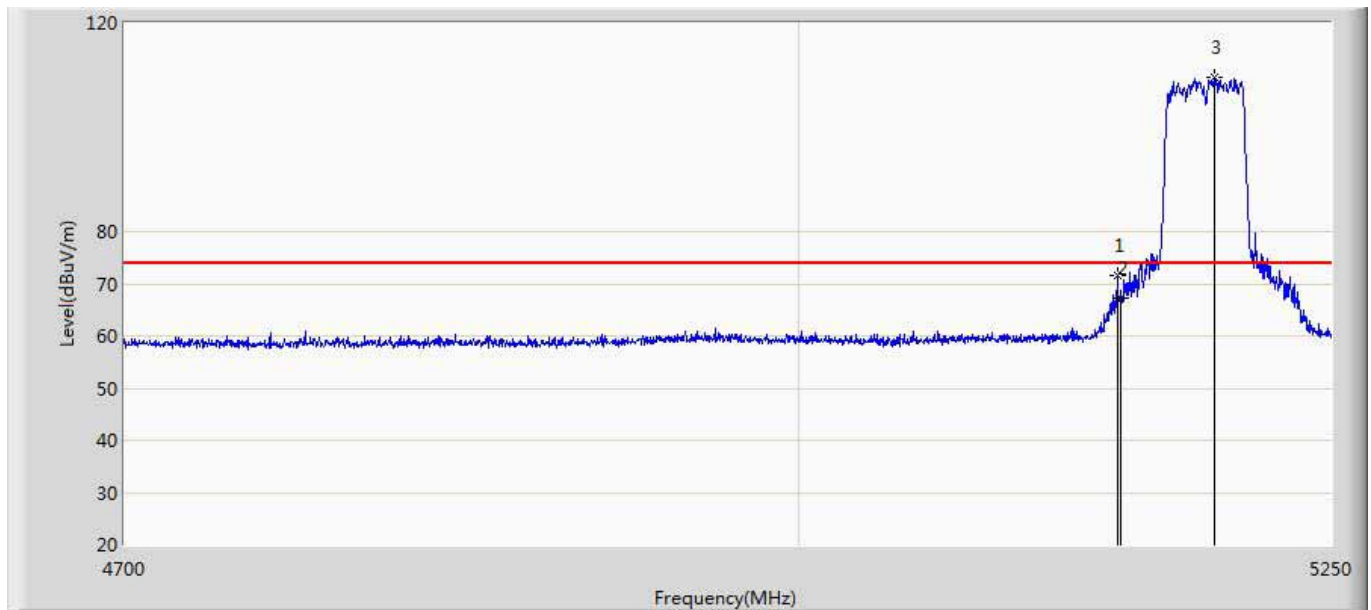
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.370	18.623	-12.630	74.000	42.747	PK
2	*	5193.075	101.543	58.659	N/A	N/A	42.884	PK

Site: AC5	Time: 2016/03/19 - 17:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5190Mhz by 802.11ac40 with CDD	



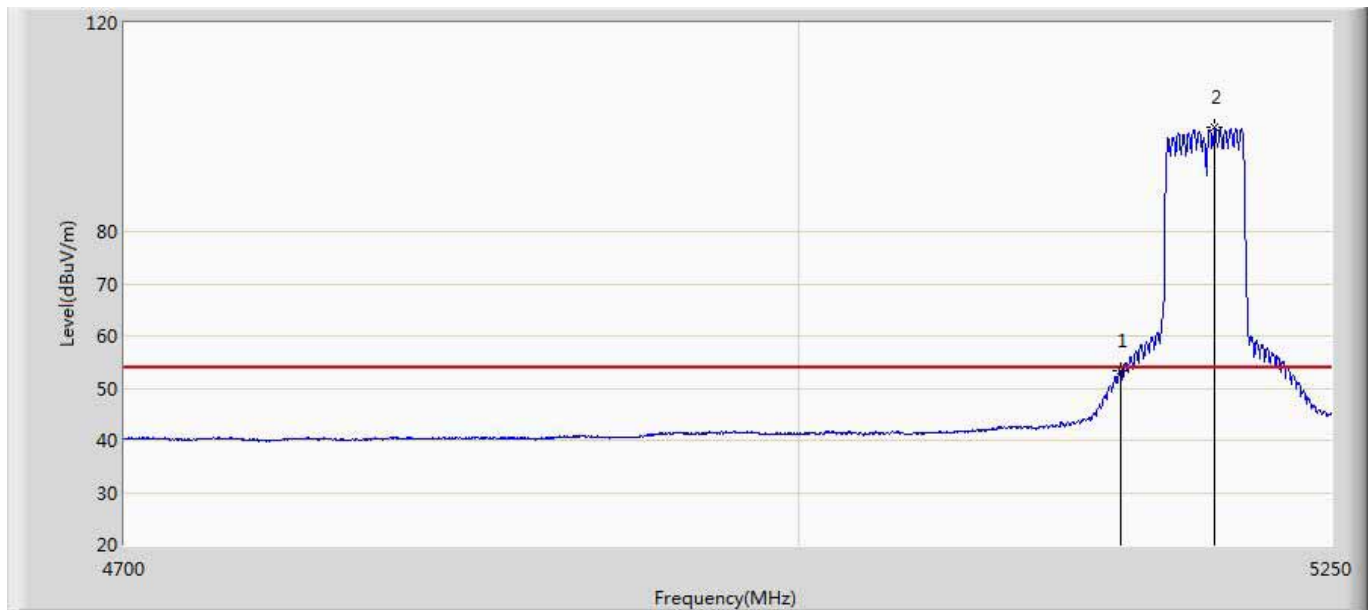
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.557	5.810	-5.443	54.000	42.747	AV
2	*	5192.800	90.822	47.938	N/A	N/A	42.885	AV

Site: AC5	Time: 2016/03/19 - 17:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5190Mhz by 802.11ac40 with CDD	



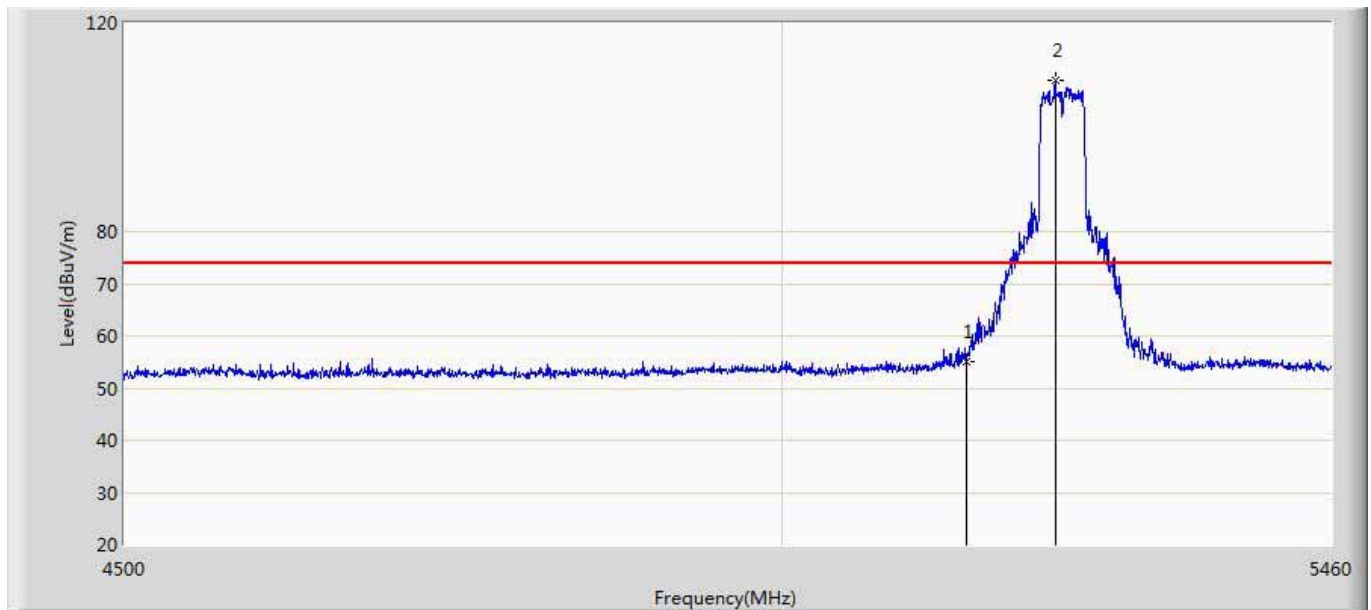
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5148.250	71.710	28.966	-2.290	74.000	42.744	PK
2		5150.000	67.102	24.355	-6.898	74.000	42.747	PK
3	*	5193.900	109.635	66.753	N/A	N/A	42.882	PK

Site: AC5	Time: 2016/03/19 - 17:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5190Mhz by 802.11ac40 with CDD	



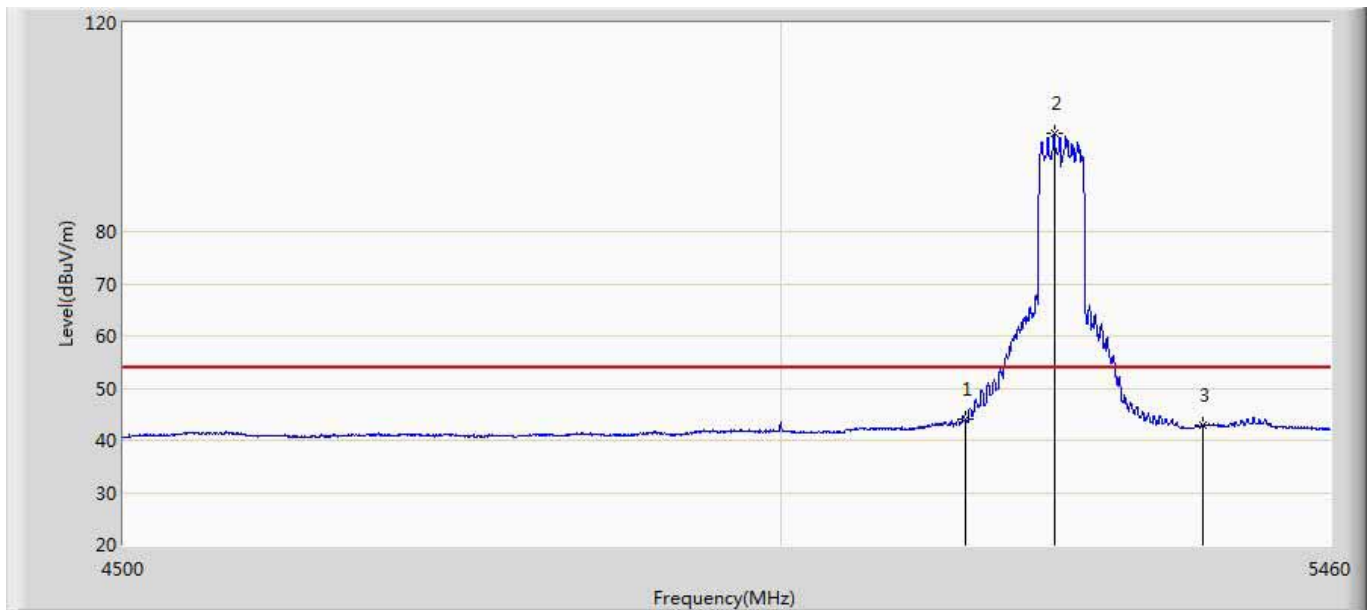
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.283	10.536	-0.717	54.000	42.747	AV
2	*	5194.450	100.072	57.191	N/A	N/A	42.881	AV

Site: AC5	Time: 2016/03/19 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5230Mhz by 802.11ac40 with CDD	



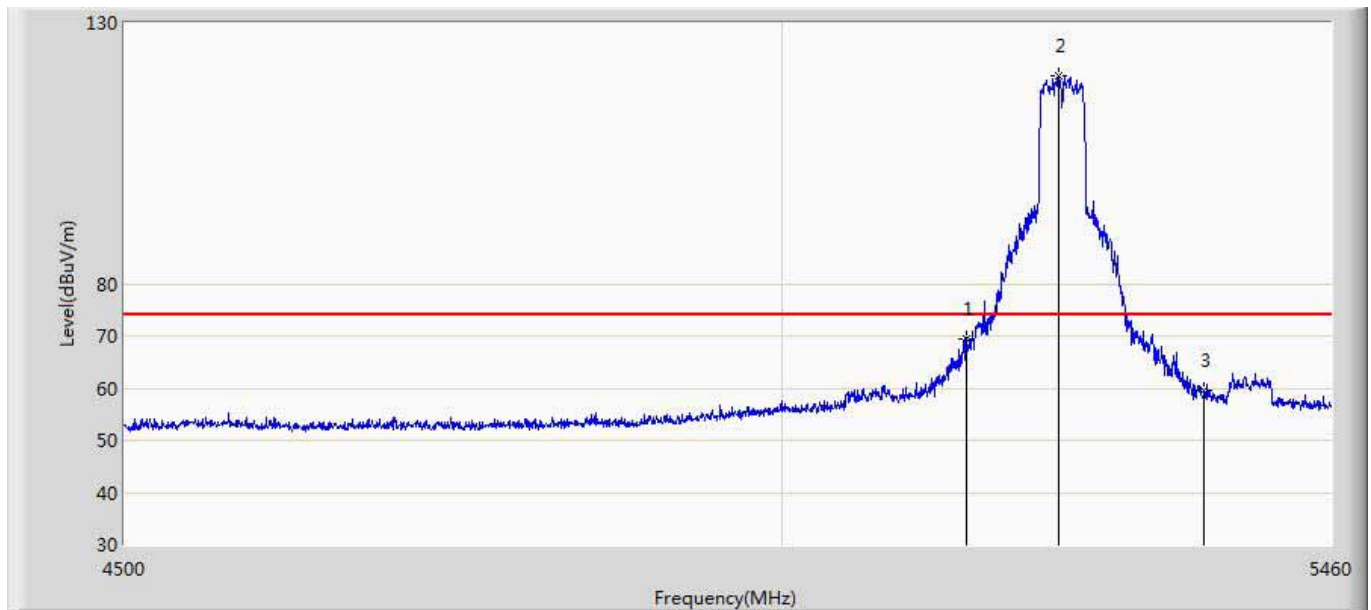
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	55.157	13.142	-18.843	74.000	42.015	PK
2	*	5223.840	109.070	67.051	N/A	N/A	42.020	PK

Site: AC5	Time: 2016/03/19 - 17:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5230Mhz by 802.11ac40 with CDD	



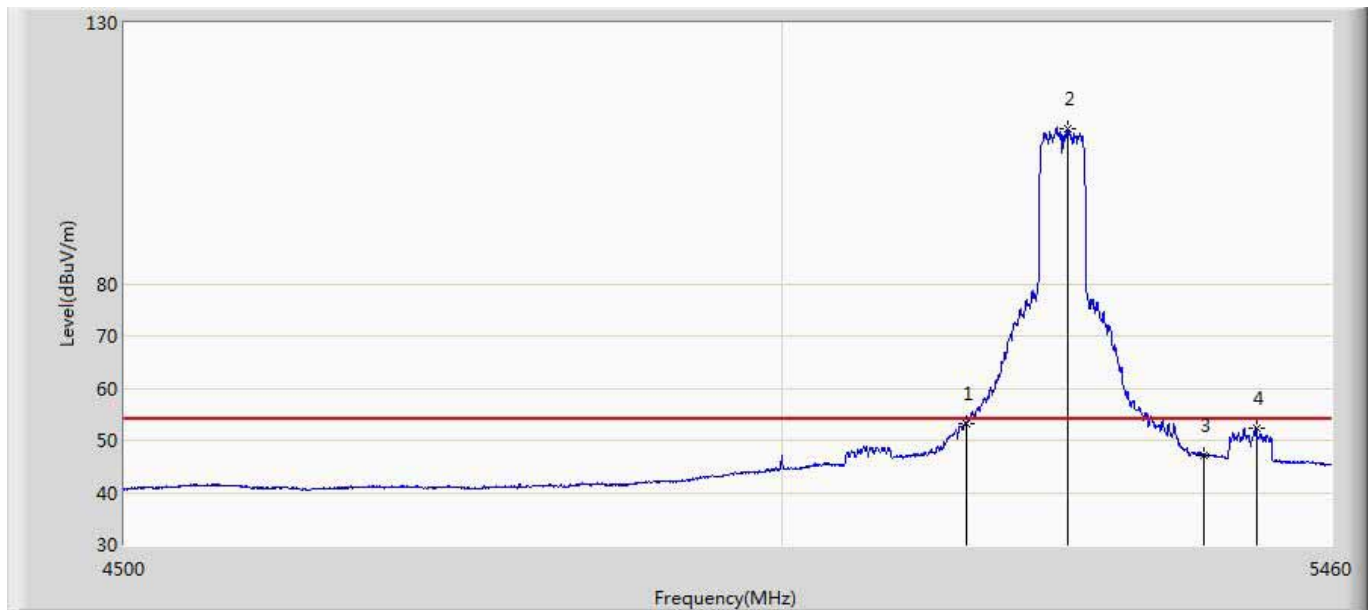
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	44.037	2.022	-9.963	54.000	42.015	AV
2	*	5223.840	98.929	56.910	N/A	N/A	42.020	AV
3		5350.000	42.844	0.328	-11.156	54.000	42.516	AV

Site: AC5	Time: 2016/03/19 - 17:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5230Mhz by 802.11ac40 with CDD	



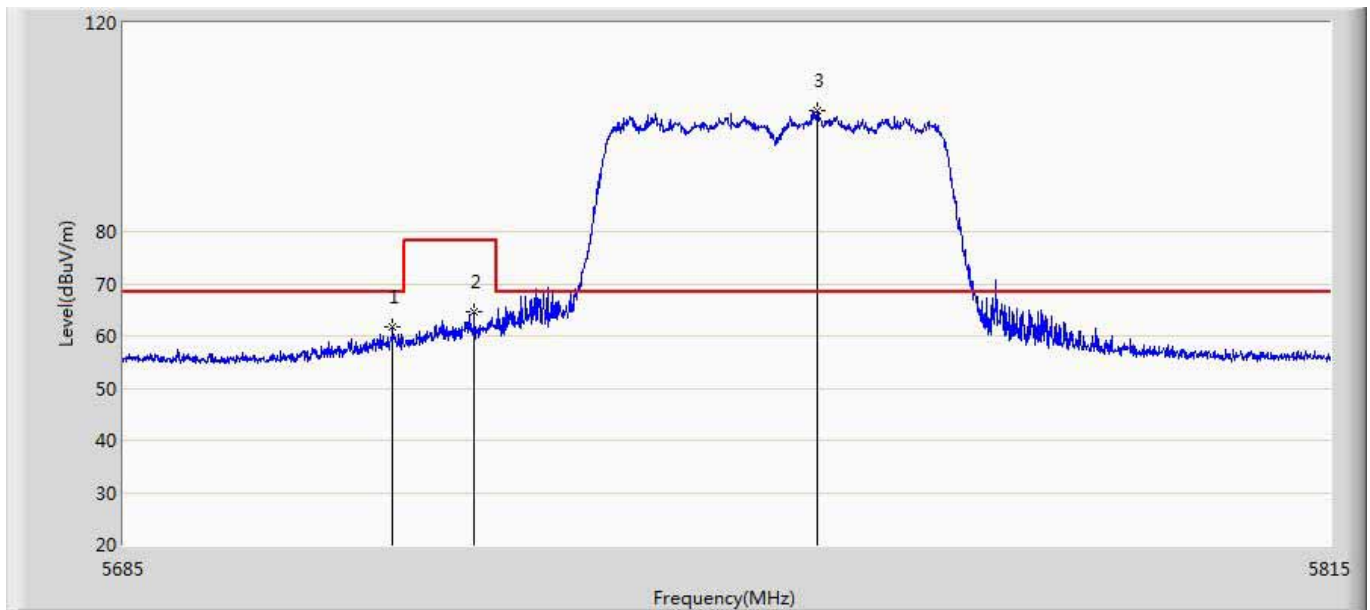
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	69.423	27.408	-4.577	74.000	42.015	PK
2	*	5226.720	119.996	77.963	N/A	N/A	42.033	PK
3		5350.000	59.477	16.961	-14.523	74.000	42.516	PK

Site: AC5	Time: 2016/03/19 - 17:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5230Mhz by 802.11ac40 with CDD	



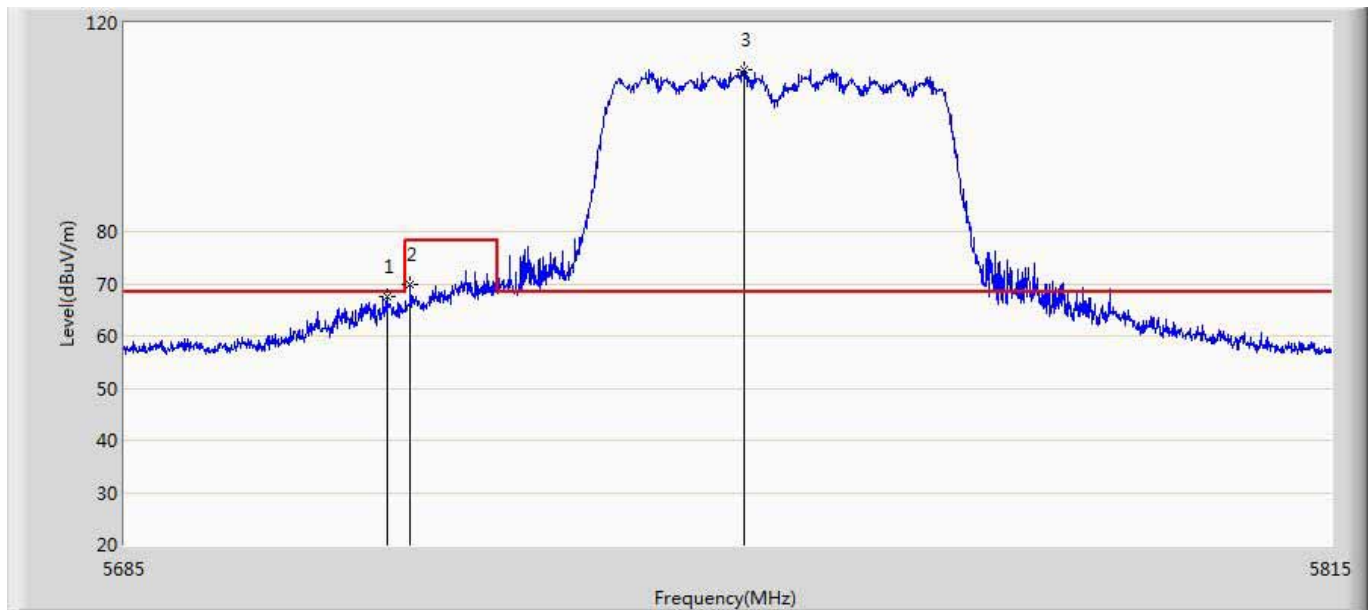
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		5150.000	53.308	11.293	-0.692	54.000	42.015	AV
2	*	5234.880	109.688	67.607	N/A	N/A	42.081	AV
3		5350.000	47.239	4.723	-6.761	54.000	42.516	AV
4		5395.200	52.309	9.923	-1.691	54.000	42.386	AV

Site: AC5	Time: 2016/03/19 – 18:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5755Mhz by 802.11ac40 with CDD	



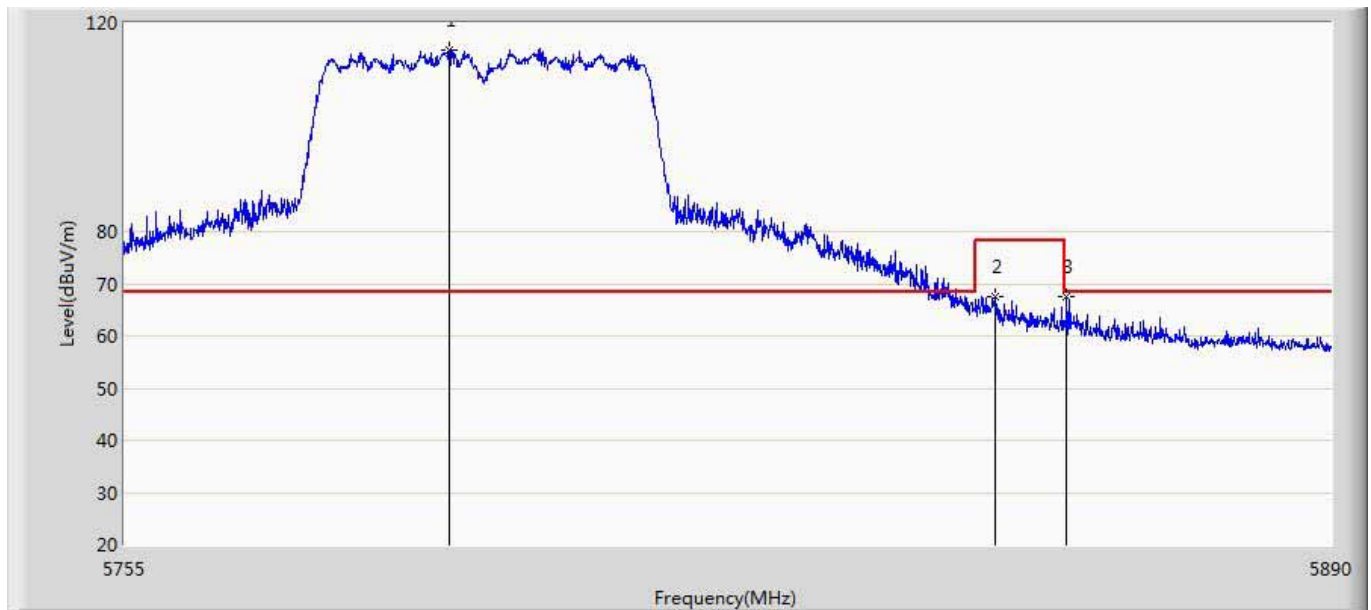
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.795	61.667	17.664	-6.633	68.300	44.003	PK
2		5722.570	64.638	20.612	-13.662	78.300	44.026	PK
3	*	5759.360	103.132	59.182	N/A	N/A	43.950	PK

Site: AC5	Time: 2016/03/19 – 18:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5755Mhz by 802.11ac40 with CDD	



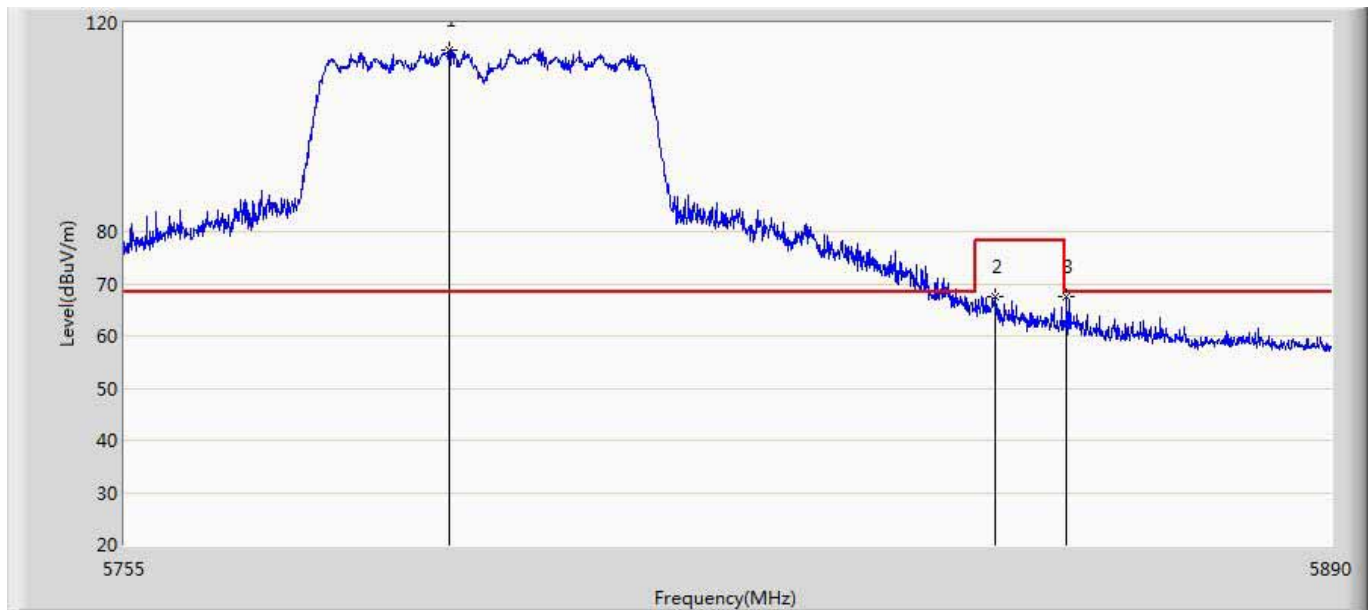
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.080	67.535	23.534	-0.765	68.300	44.001	PK
2		5715.550	69.764	25.757	-8.536	78.300	44.008	PK
3	*	5751.365	110.954	66.898	N/A	N/A	44.056	PK

Site: AC5	Time: 2016/03/19 – 18:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5755Mhz by 802.11ac40 with CDD	



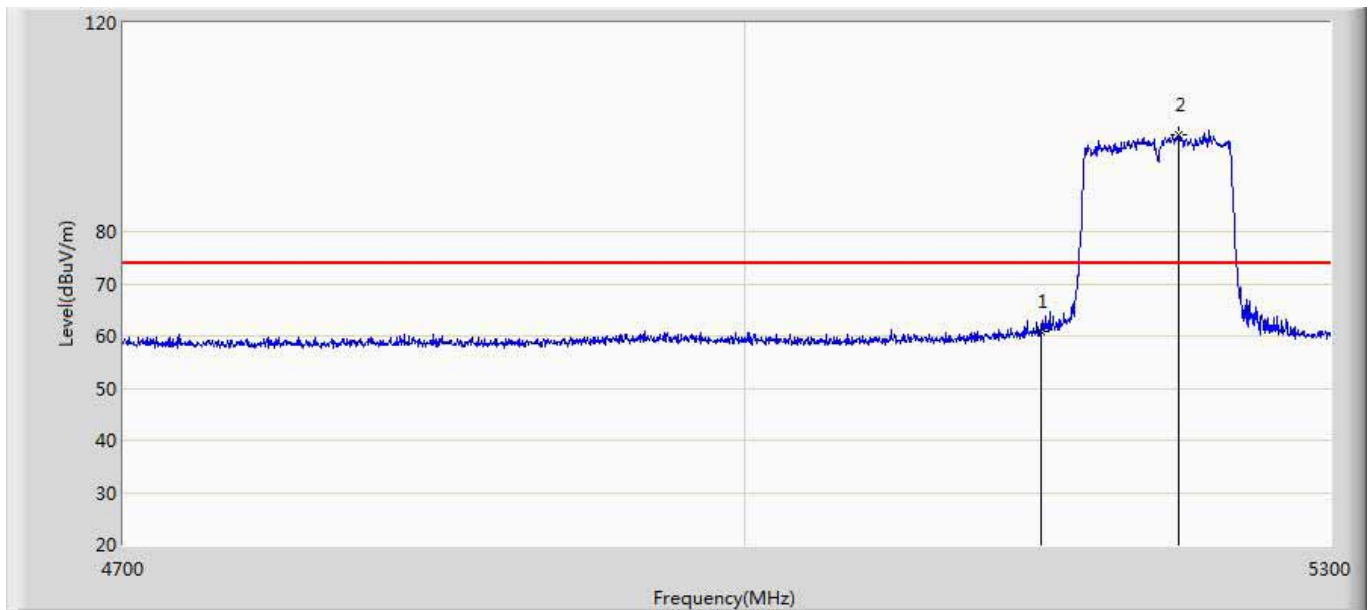
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5791.045	114.848	70.866	N/A	N/A	43.982	PK
2		5852.065	67.508	23.294	-10.792	78.300	44.214	PK
3		5860.165	67.465	23.161	-0.835	68.300	44.304	PK

Site: AC5	Time: 2016/03/19 – 18:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 5: Transmit at 5795Mhz by 802.11ac40 with CDD	



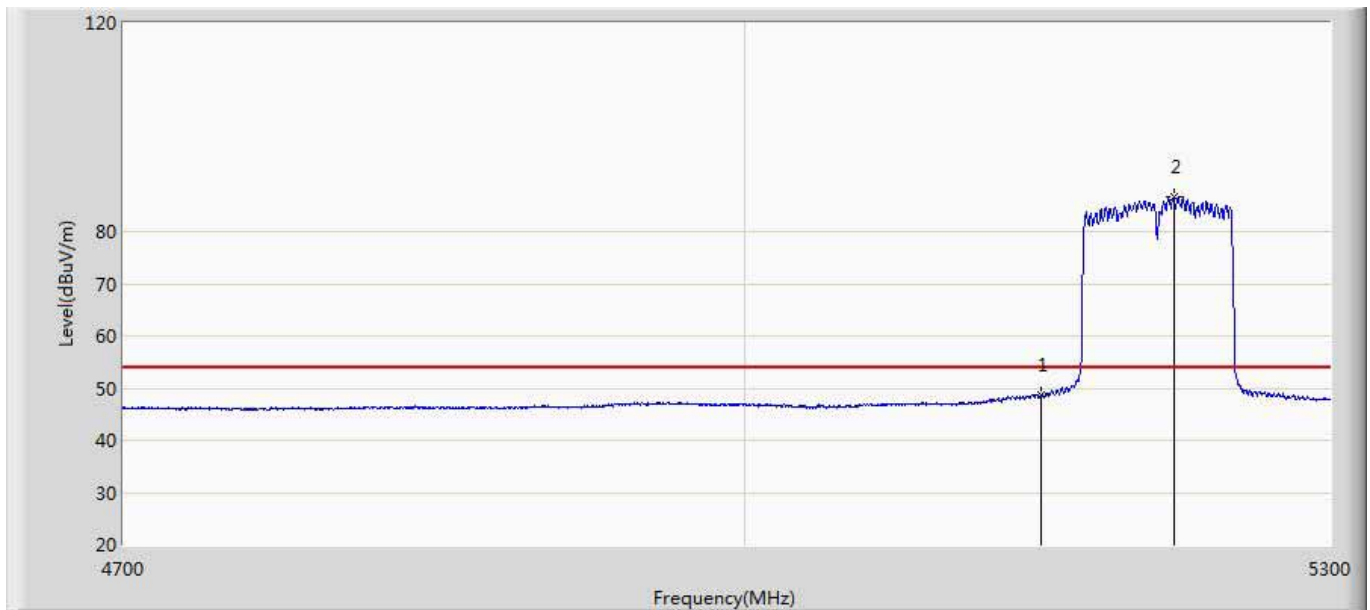
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5791.045	114.848	70.866	N/A	N/A	43.982	PK
2		5852.065	67.508	23.294	-10.792	78.300	44.214	PK
3		5860.165	67.465	23.161	-0.835	68.300	44.304	PK

Site: AC5	Time: 2016/03/19 - 18:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5210Mhz by 802.11ac80 with CDD	



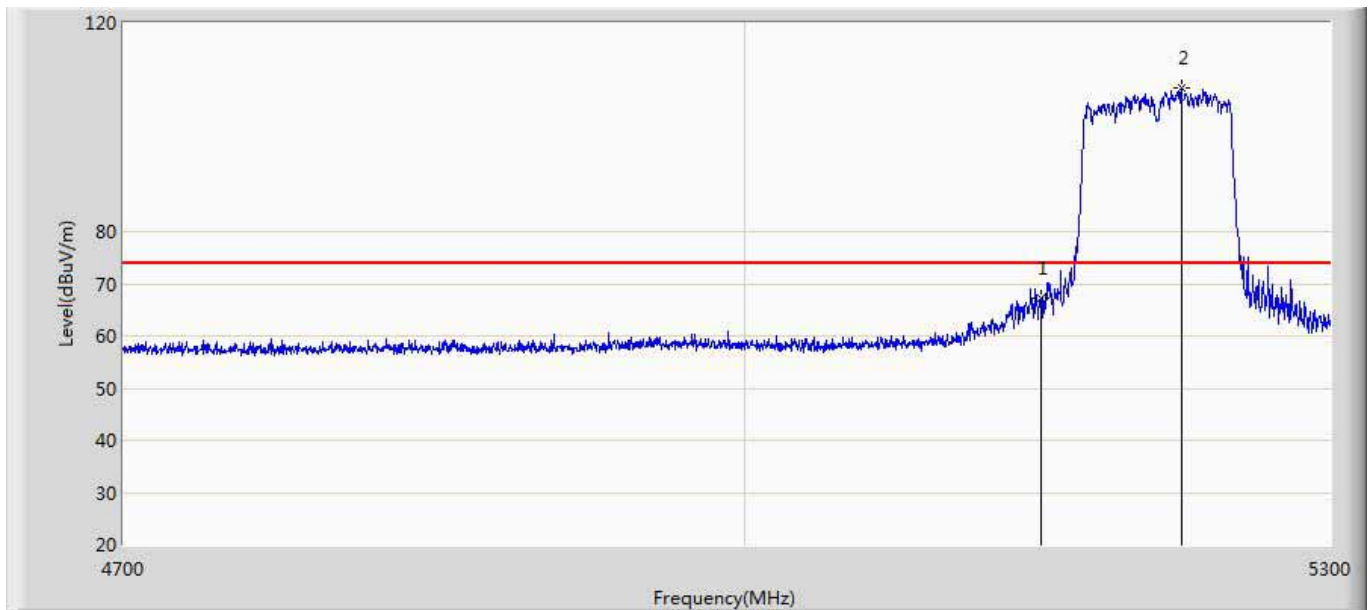
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.840	18.093	-13.160	74.000	42.747	PK
2	*	5220.500	98.578	55.770	N/A	N/A	42.808	PK

Site: AC5	Time: 2016/03/19 - 18:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5210Mhz by 802.11ac80 with CDD	



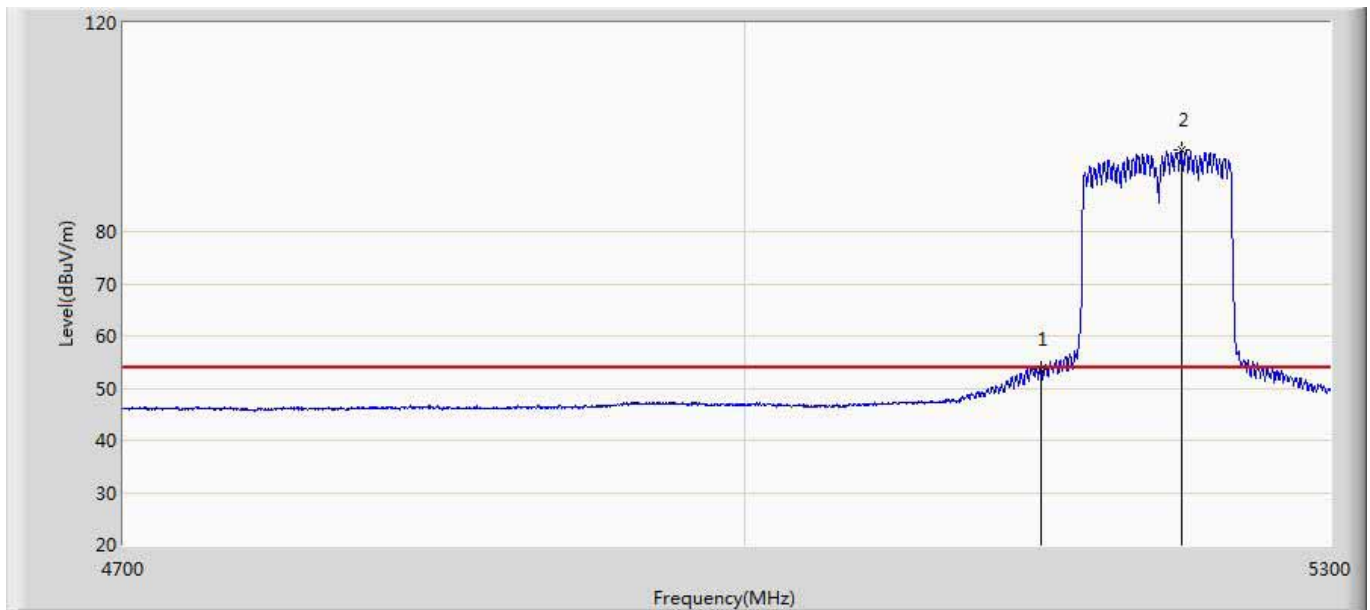
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.800	6.053	-5.200	54.000	42.747	AV
2	*	5218.100	86.782	43.989	N/A	N/A	42.793	AV

Site: AC5	Time: 2016/03/19 - 18:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5210Mhz by 802.11ac80 with CDD	



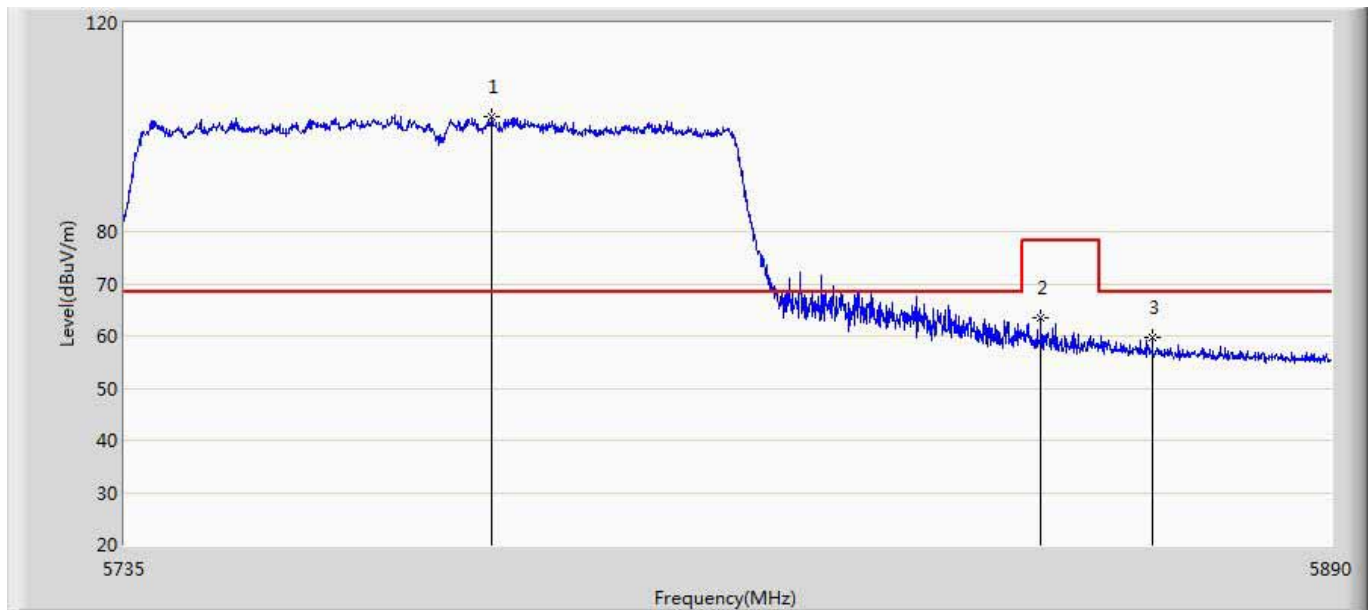
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.155	24.408	-6.845	74.000	42.747	PK
2	*	5222.300	107.614	64.796	N/A	N/A	42.818	PK

Site: AC5	Time: 2016/03/19 - 18:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5210Mhz by 802.11ac80 with CDD	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.723	10.976	-0.277	54.000	42.747	AV
2	*	5222.000	95.794	52.977	N/A	N/A	42.817	AV

Site: AC5	Time: 2016/03/19 - 18:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5775Mhz by 802.11ac80 with CDD	



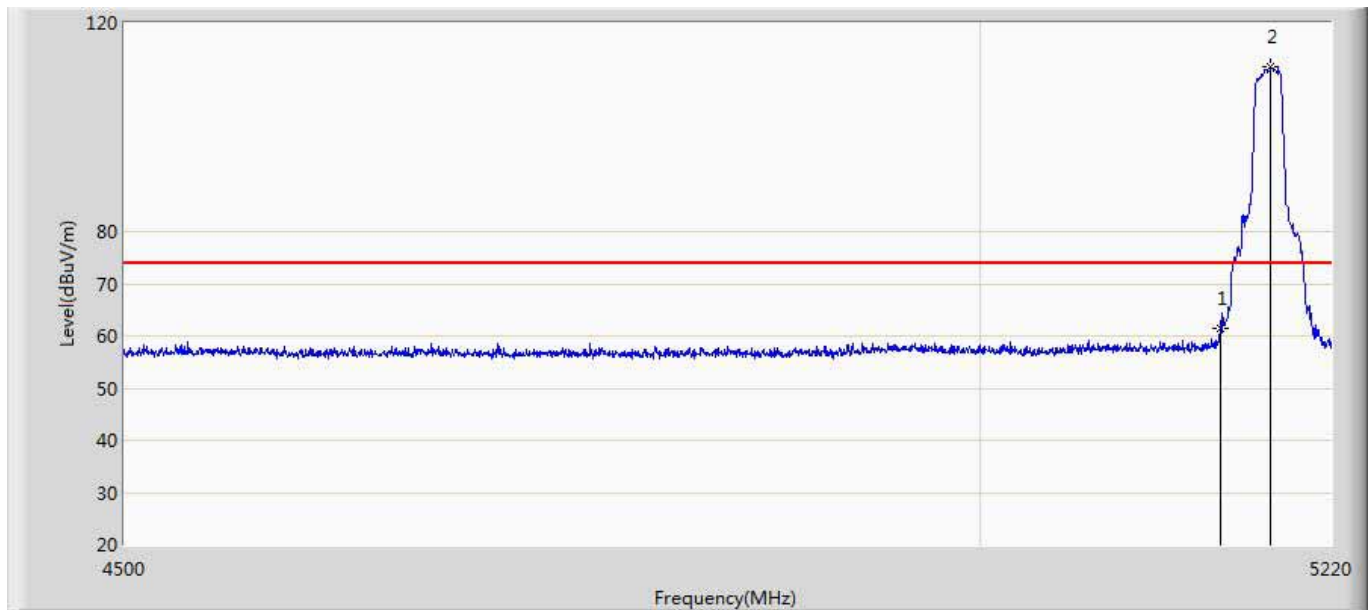
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5781.810	102.038	58.069	N/A	N/A	43.969	PK
2		5852.413	63.348	19.130	-14.952	78.300	44.218	PK
3		5866.828	59.839	15.493	-8.461	68.300	44.346	PK

Site: AC5	Time: 2016/03/19 - 18:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: 120V/60Hz
Note: Mode 6: Transmit at 5775Mhz by 802.11ac80 with CDD	



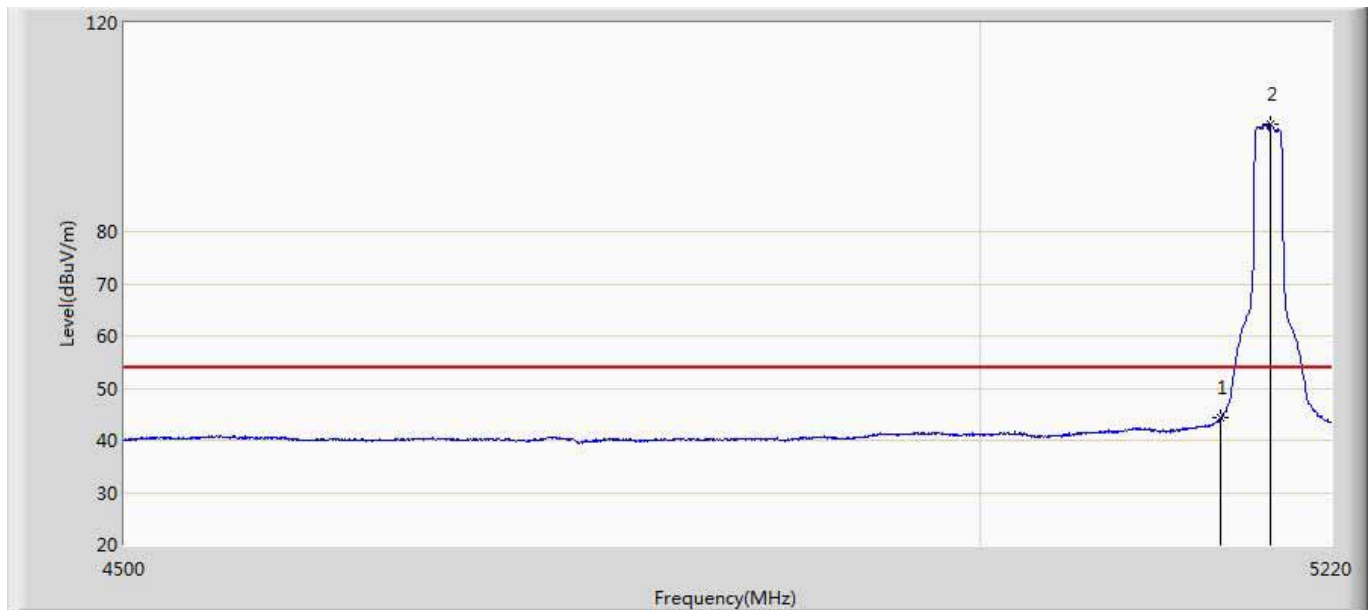
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5761.428	110.632	66.688	N/A	N/A	43.944	PK
2		5853.730	68.806	24.574	-9.494	78.300	44.232	PK
3		5863.107	66.622	22.293	-1.678	68.300	44.329	PK

Site: AC5	Time: 2016/04/18 - 13:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 7 Transmit at 802.11a CH5180 with beam-forming	



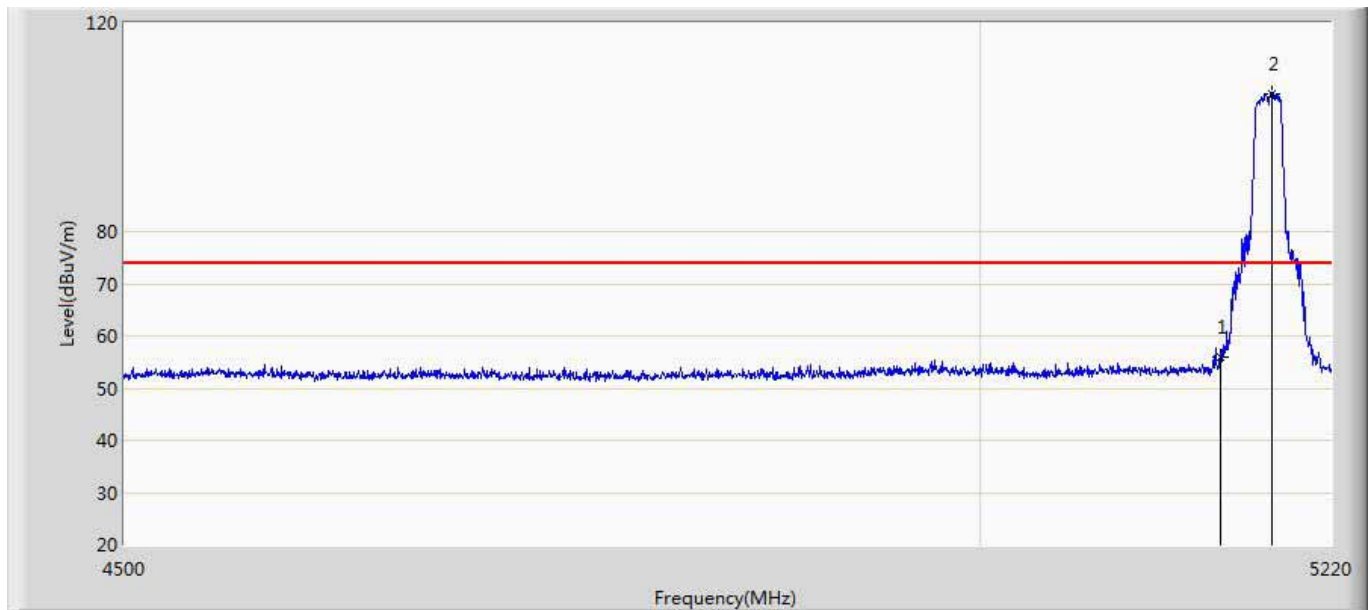
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.538	18.791	-12.462	74.000	42.747	PK
2	*	5181.480	111.551	68.651	N/A	N/A	42.900	PK

Site: AC5	Time: 2016/04/18 - 13:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 7 Transmit at 802.11a CH5180 with beam-forming	



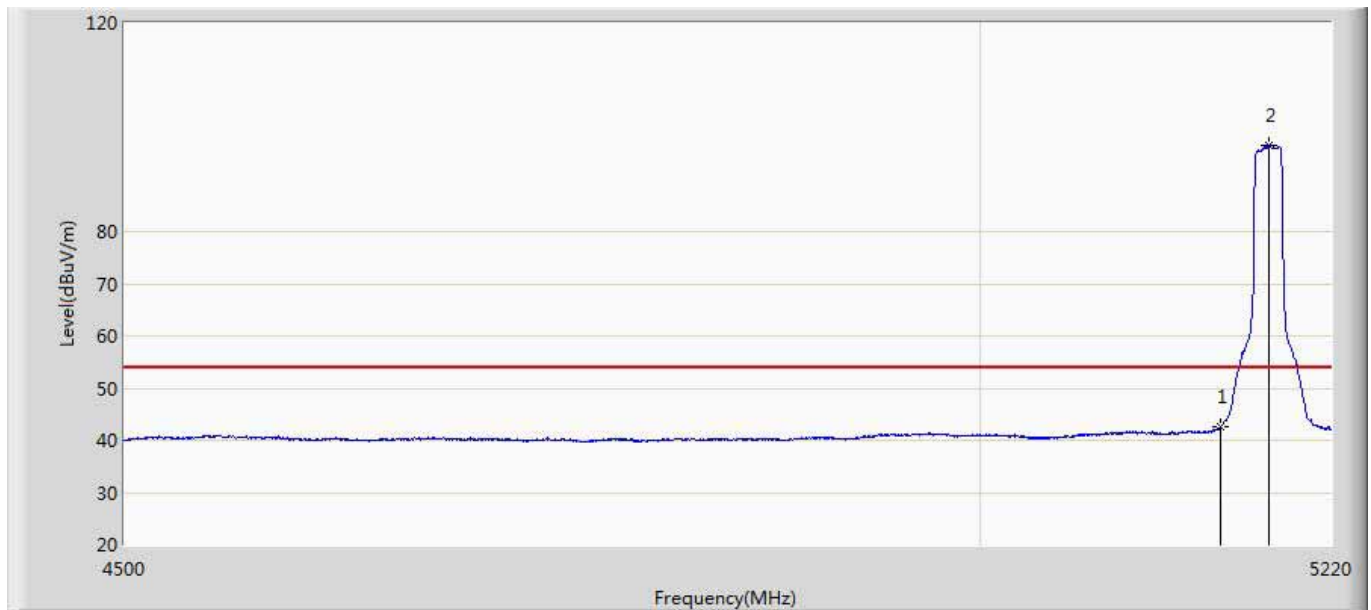
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.338	1.591	-9.662	54.000	42.747	AV
2	*	5181.120	100.602	57.704	N/A	N/A	42.897	AV

Site: AC5	Time: 2016/04/18 - 13:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 7 Transmit at 802.11a CH5180 with beam-forming	



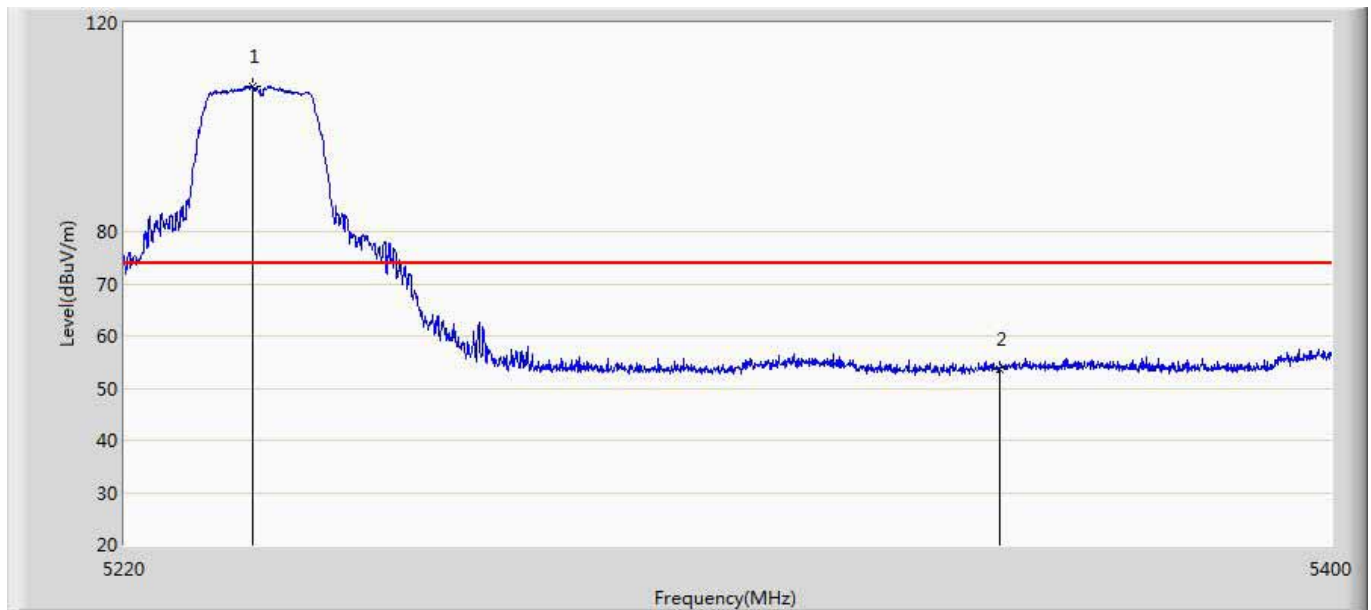
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	55.932	13.185	-18.068	74.000	42.747	PK
2	*	5182.560	106.501	63.598	N/A	N/A	42.903	PK

Site: AC5	Time: 2016/04/18 - 13:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 7 Transmit at 802.11a CH5180 with beam-forming	



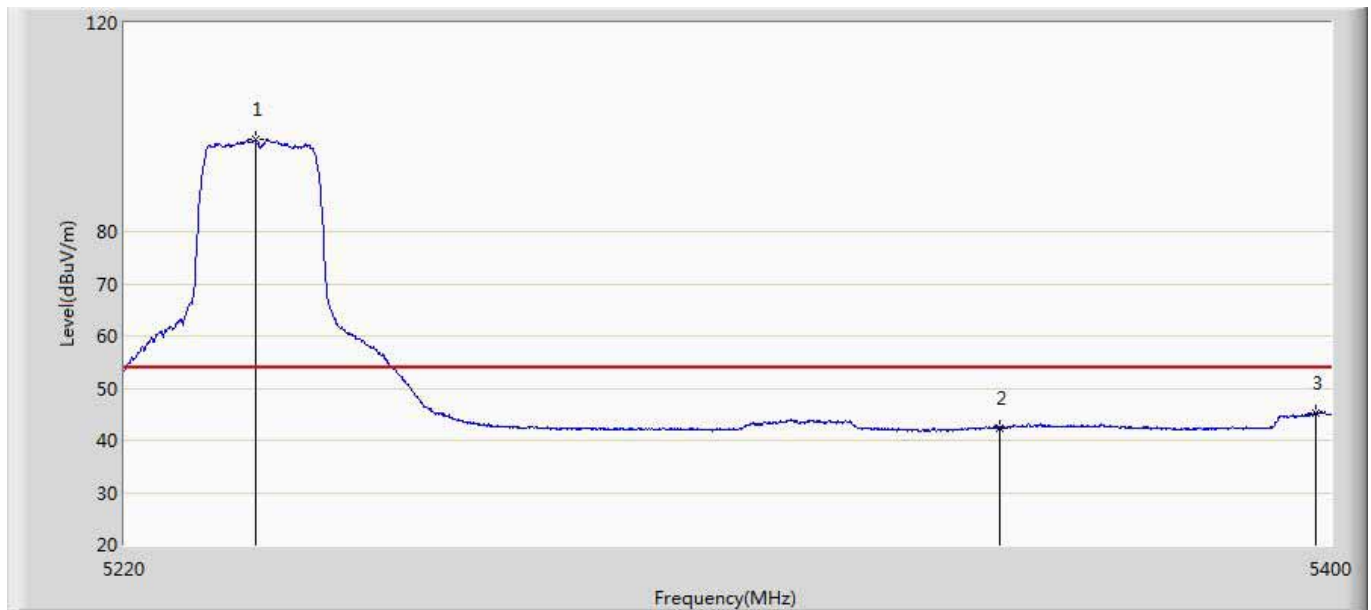
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	42.744	-0.003	-11.256	54.000	42.747	AV
2	*	5180.760	96.623	53.728	N/A	N/A	42.895	AV

Site: AC5	Time: 2016/04/18 - 13:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5240	



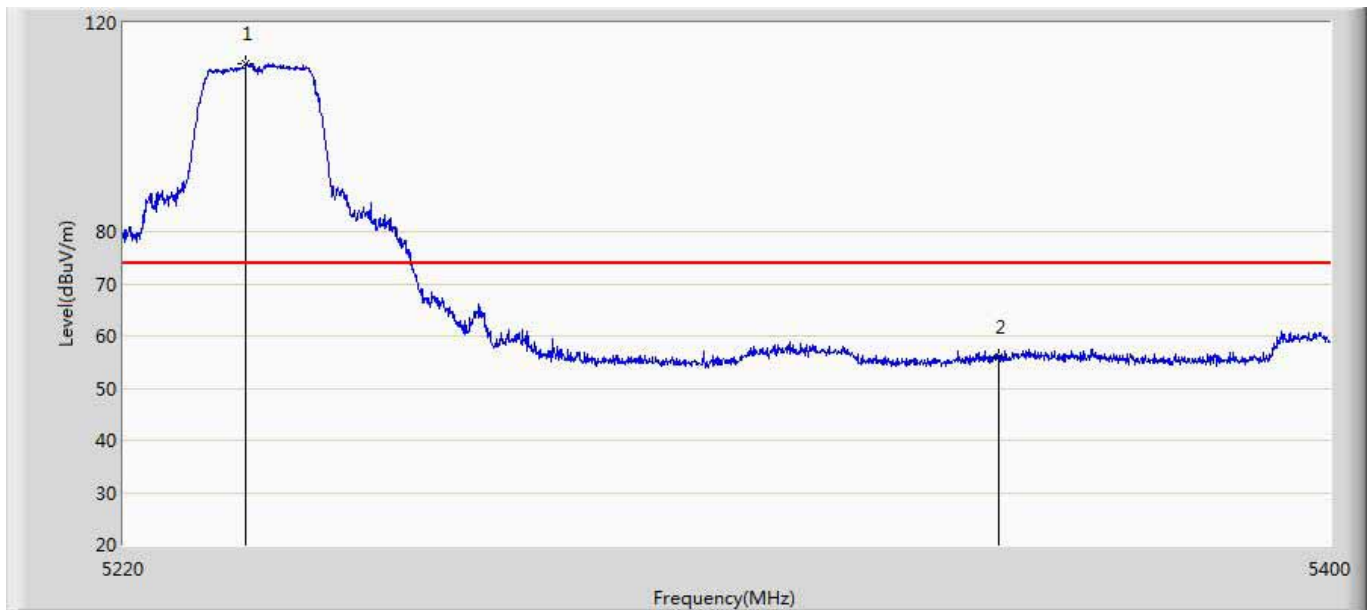
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.810	107.747	64.845	N/A	N/A	42.902	PK
2		5350.000	53.515	10.322	-20.485	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 13:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5240	



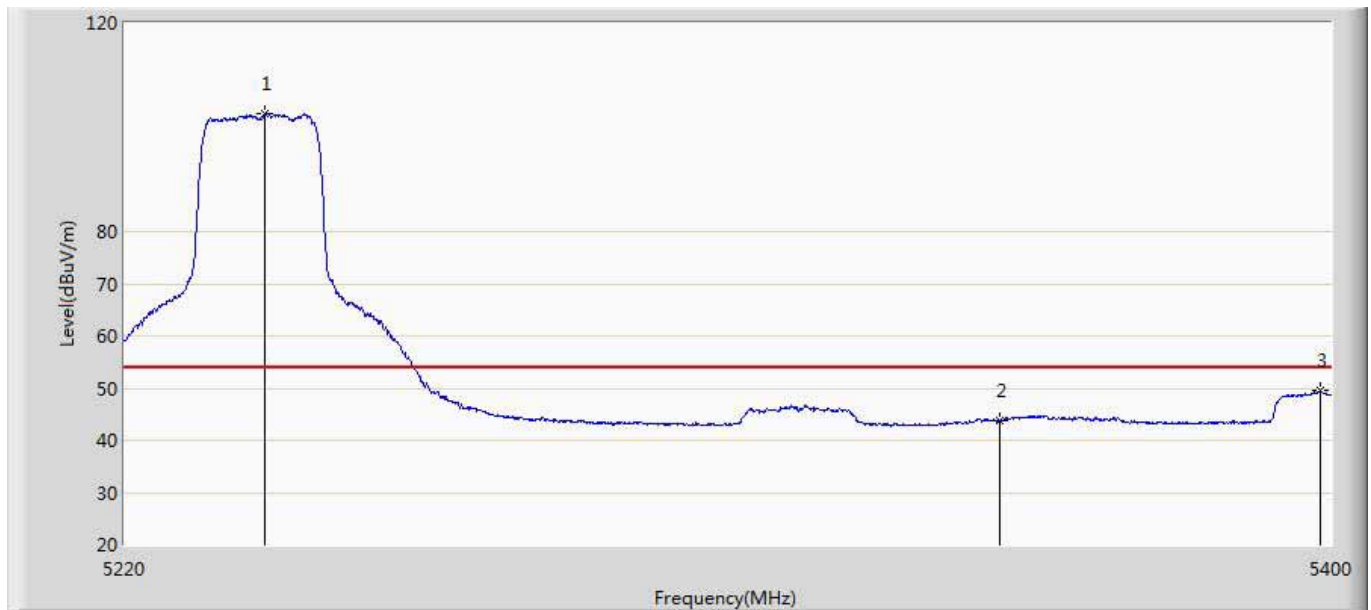
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5239.260	97.549	54.646	N/A	N/A	42.903	AV
2		5350.000	42.441	-0.752	-11.559	54.000	43.193	AV
3		5397.750	45.336	2.123	-8.664	54.000	43.214	AV

Site: AC5	Time: 2016/04/18 - 13:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5240	



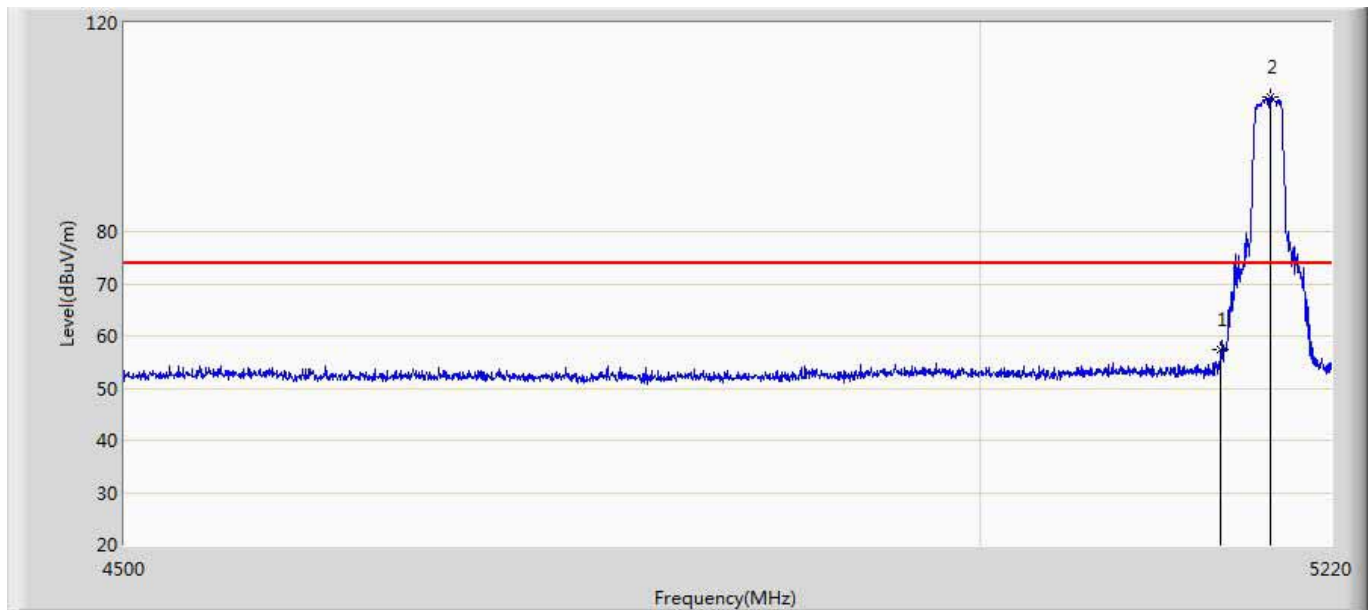
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.090	112.126	69.227	N/A	N/A	42.899	PK
2		5350.000	55.867	12.674	-18.133	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 13:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5240	



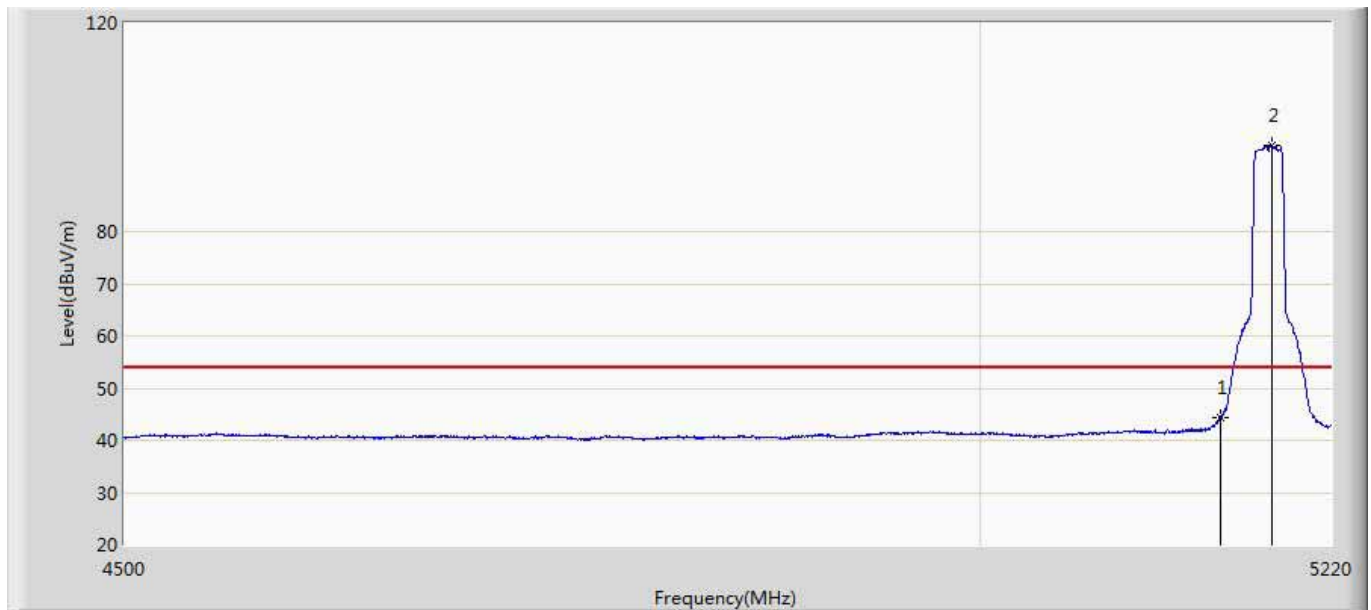
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5240.700	102.546	59.638	N/A	N/A	42.909	AV
2		5350.000	43.651	0.458	-10.349	54.000	43.193	AV
3		5398.290	49.470	6.252	-4.530	54.000	43.217	AV

Site: AC5	Time: 2016/04/18 - 13:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5180	



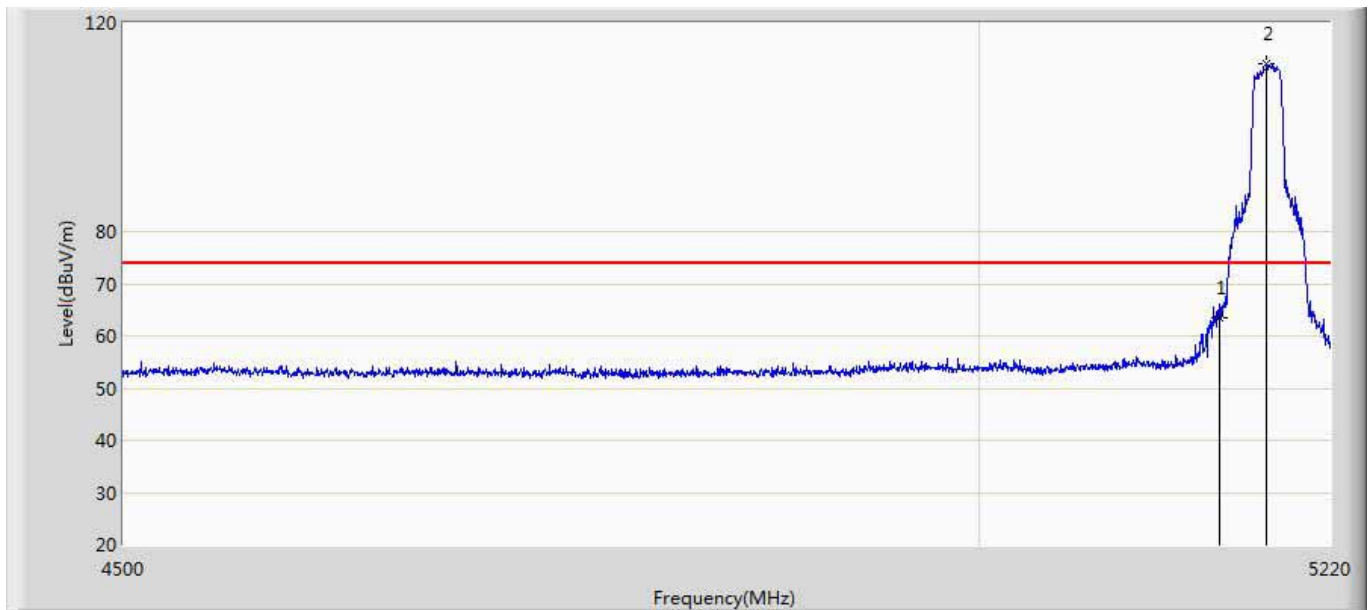
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.348	14.601	-16.652	74.000	42.747	PK
2	*	5181.480	105.895	62.995	N/A	N/A	42.900	PK

Site: AC5	Time: 2016/04/18 - 13:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5180	



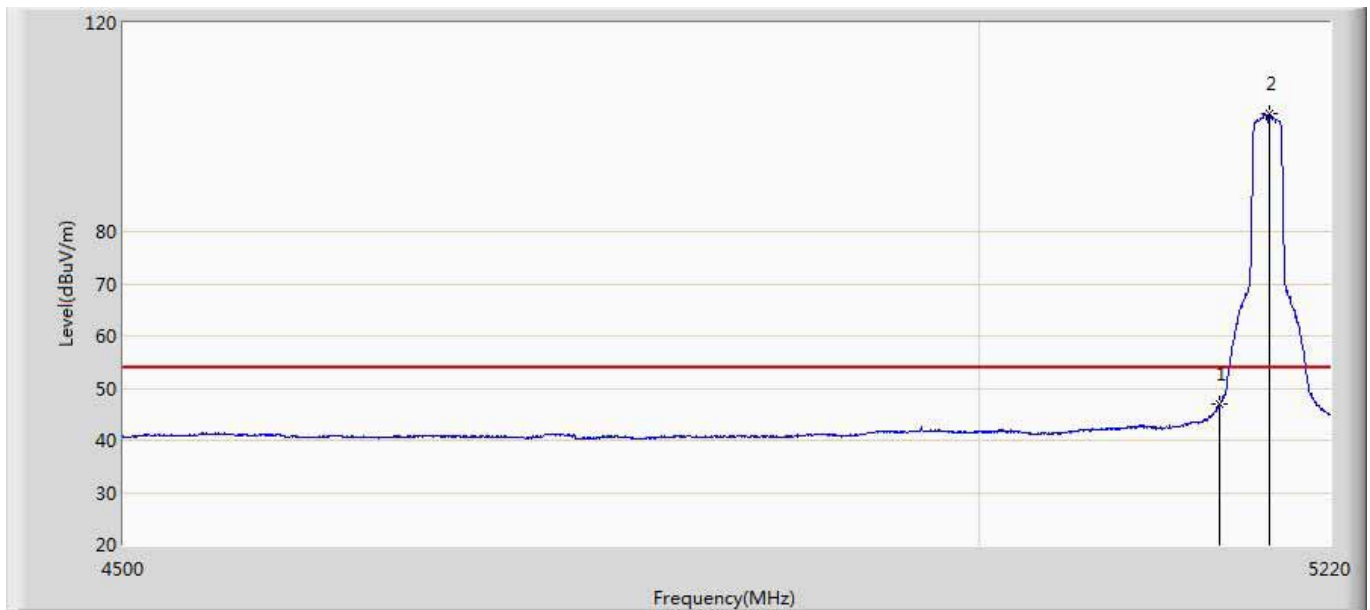
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.279	1.532	-9.721	54.000	42.747	AV
2	*	5181.840	96.644	53.741	N/A	N/A	42.903	AV

Site: AC5	Time: 2016/04/18 - 13:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5180	



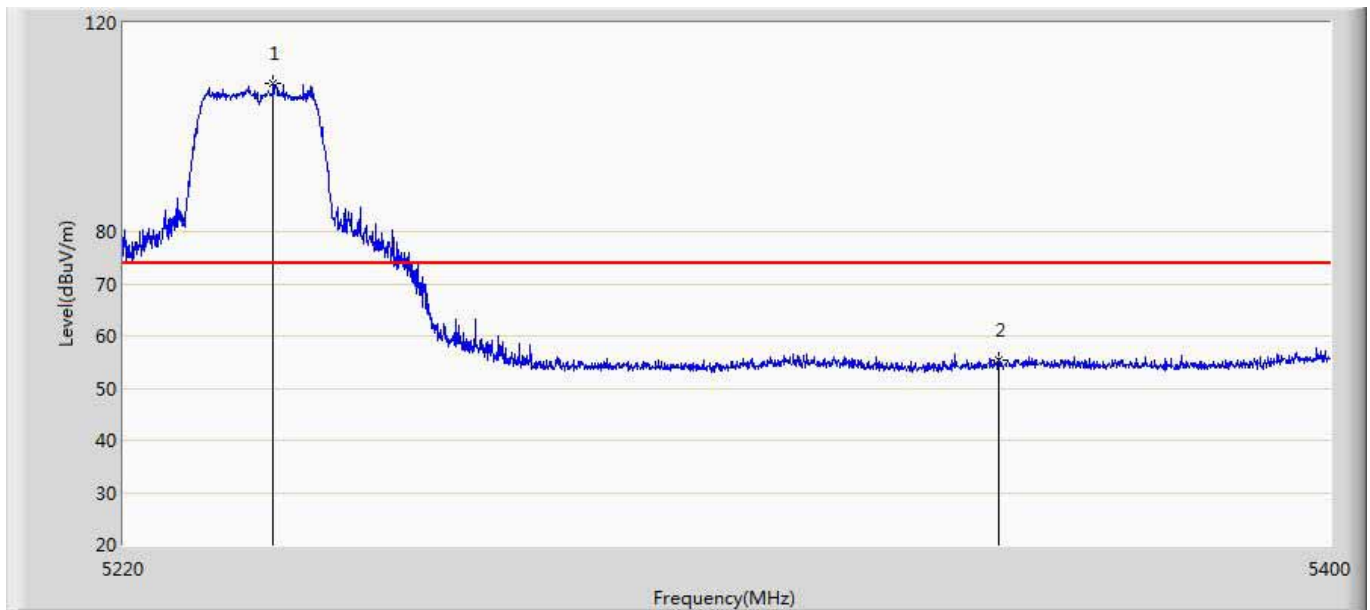
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.507	20.760	-10.493	74.000	42.747	PK
2	*	5179.680	112.198	69.311	N/A	N/A	42.887	PK

Site: AC5	Time: 2016/04/18 - 13:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5180	



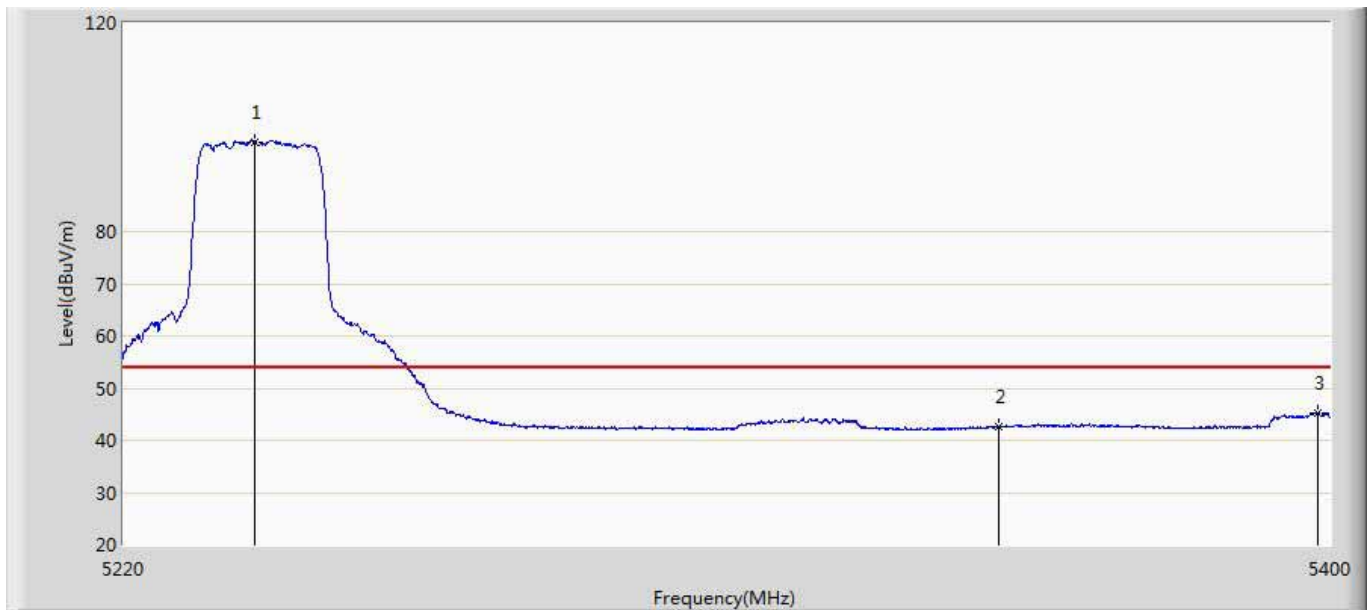
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.922	4.175	-7.078	54.000	42.747	AV
2	*	5181.120	102.507	59.609	N/A	N/A	42.897	AV

Site: AC5	Time: 2016/04/18 - 13:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5240	



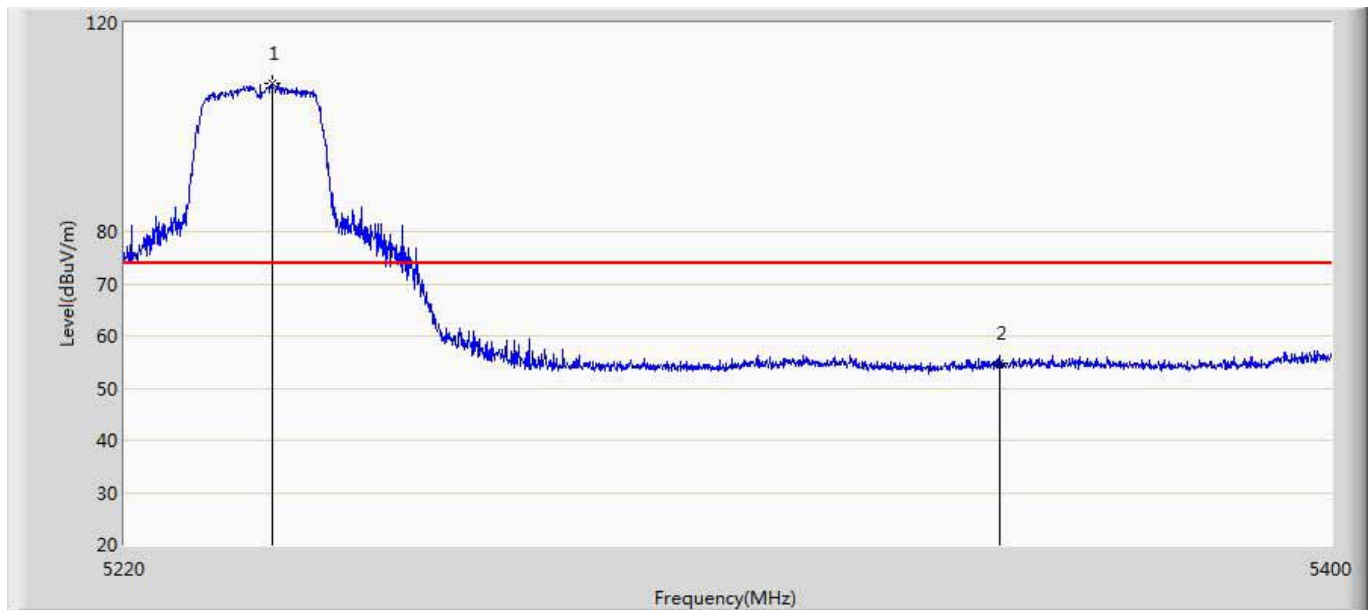
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5242.050	108.543	65.630	N/A	N/A	42.913	PK
2		5350.000	55.222	12.029	-18.778	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 13:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5240	



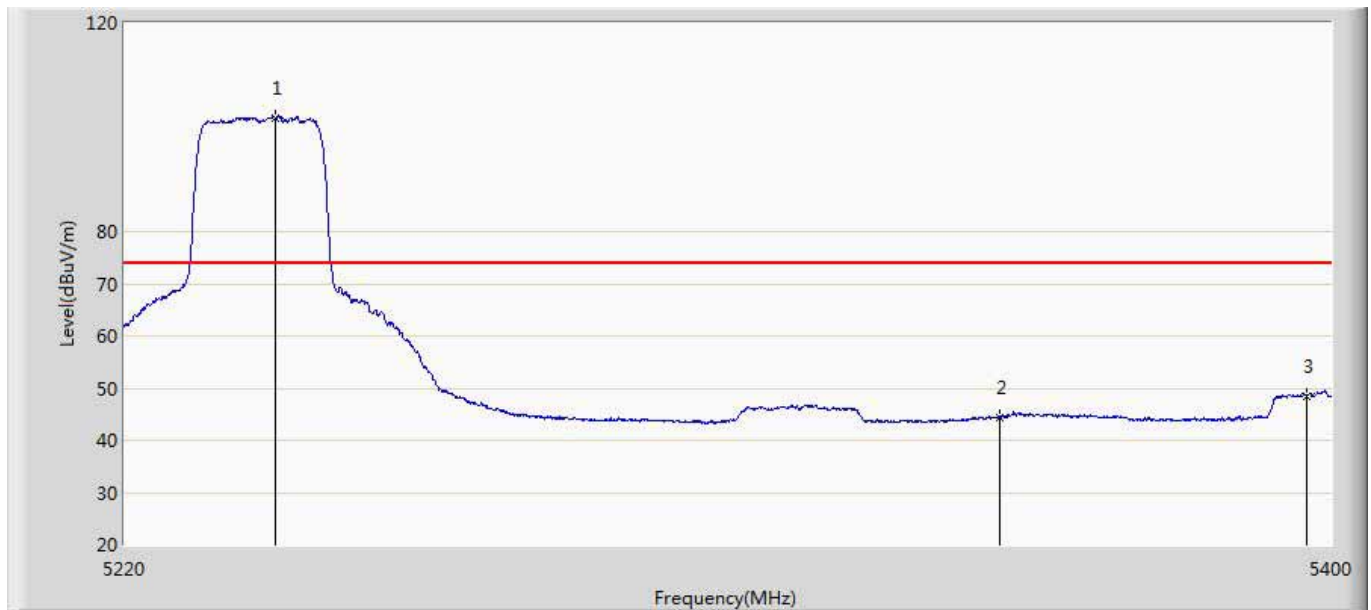
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5239.350	97.205	54.301	N/A	N/A	42.903	AV
2		5350.000	42.544	-0.649	-11.456	54.000	43.193	AV
3		5398.110	45.341	2.125	-8.659	54.000	43.216	AV

Site: AC5	Time: 2016/04/18 - 13:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5240	



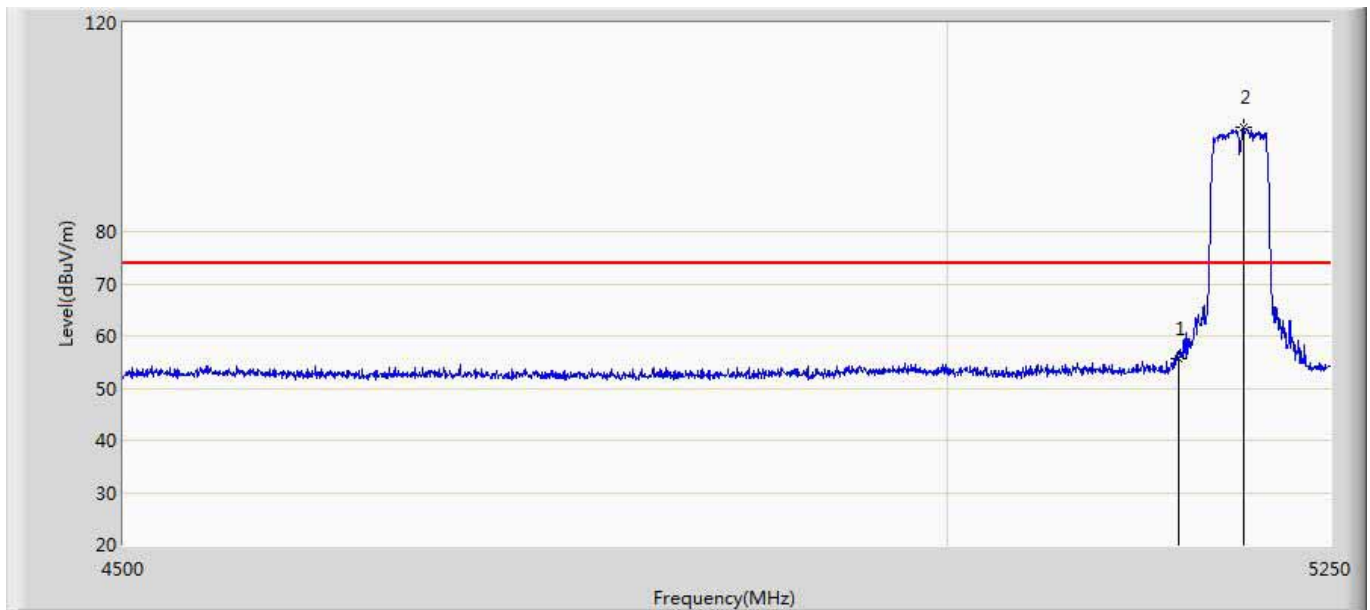
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.780	108.335	65.423	N/A	N/A	42.912	PK
2		5350.000	54.908	11.715	-19.092	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 14:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5240	



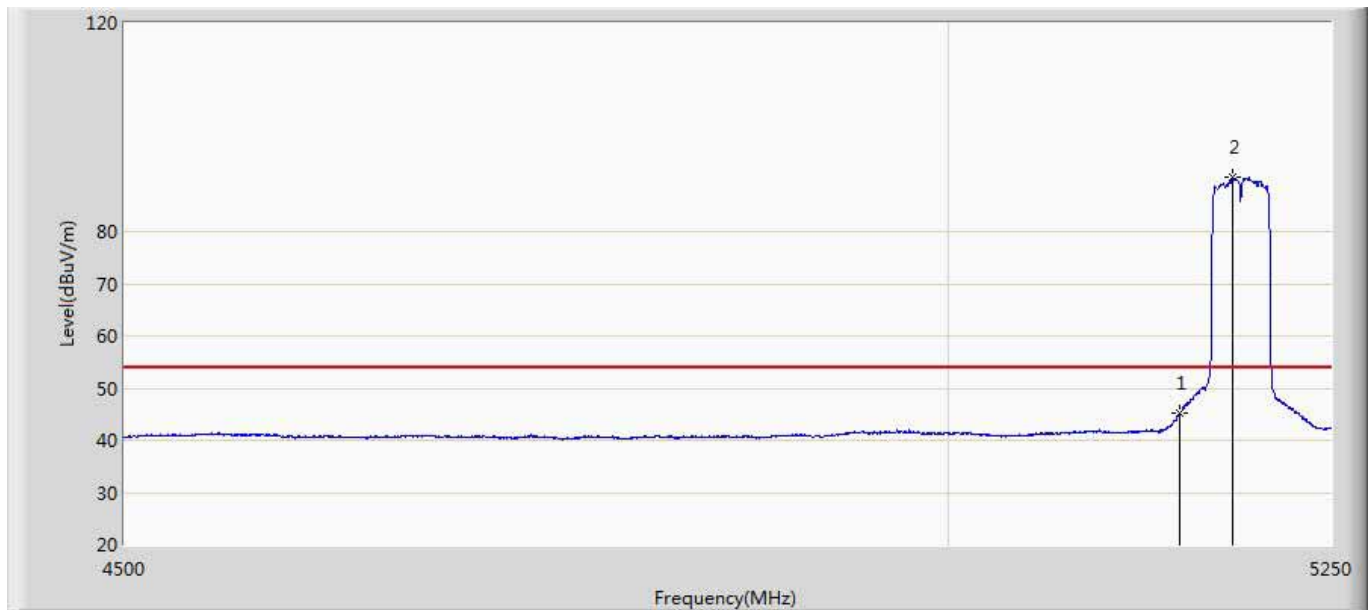
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5242.140	101.878	58.965	N/A	N/A	42.913	PK
2		5350.000	44.483	1.290	-29.517	74.000	43.193	PK
3		5396.220	48.546	5.345	-25.454	74.000	43.200	PK

Site: AC5	Time: 2016/04/18 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5190	



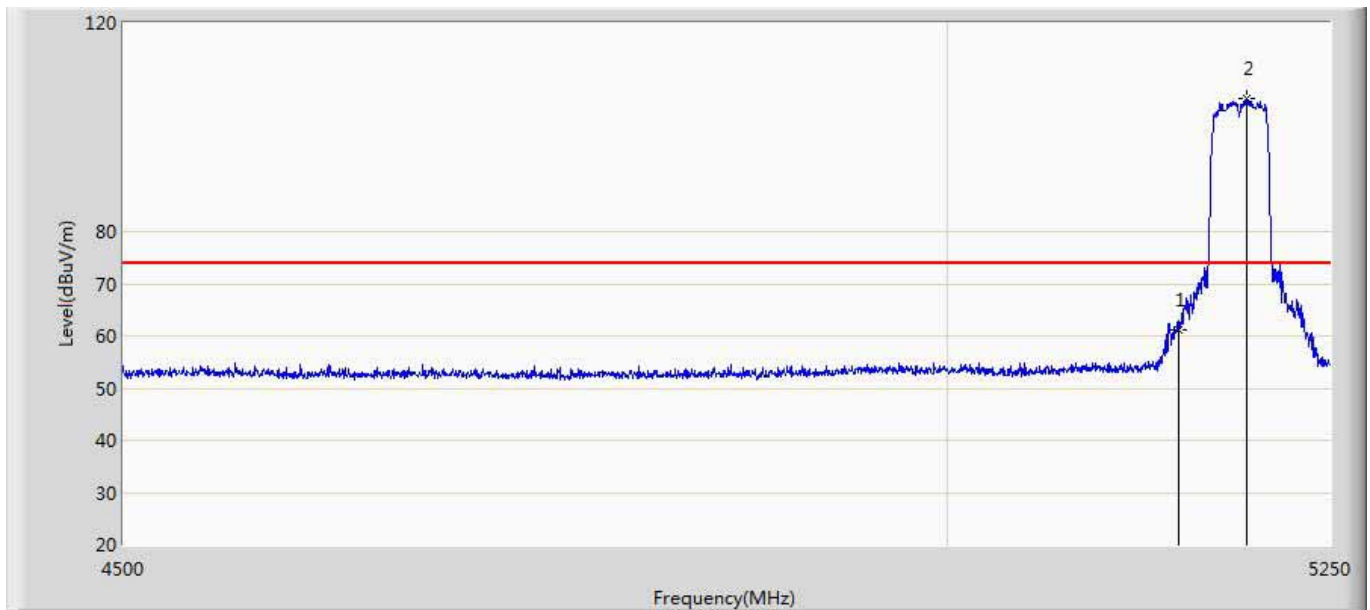
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	55.623	12.876	-18.377	74.000	42.747	PK
2	*	5192.250	99.913	57.028	N/A	N/A	42.885	PK

Site: AC5	Time: 2016/04/18 - 14:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5190	



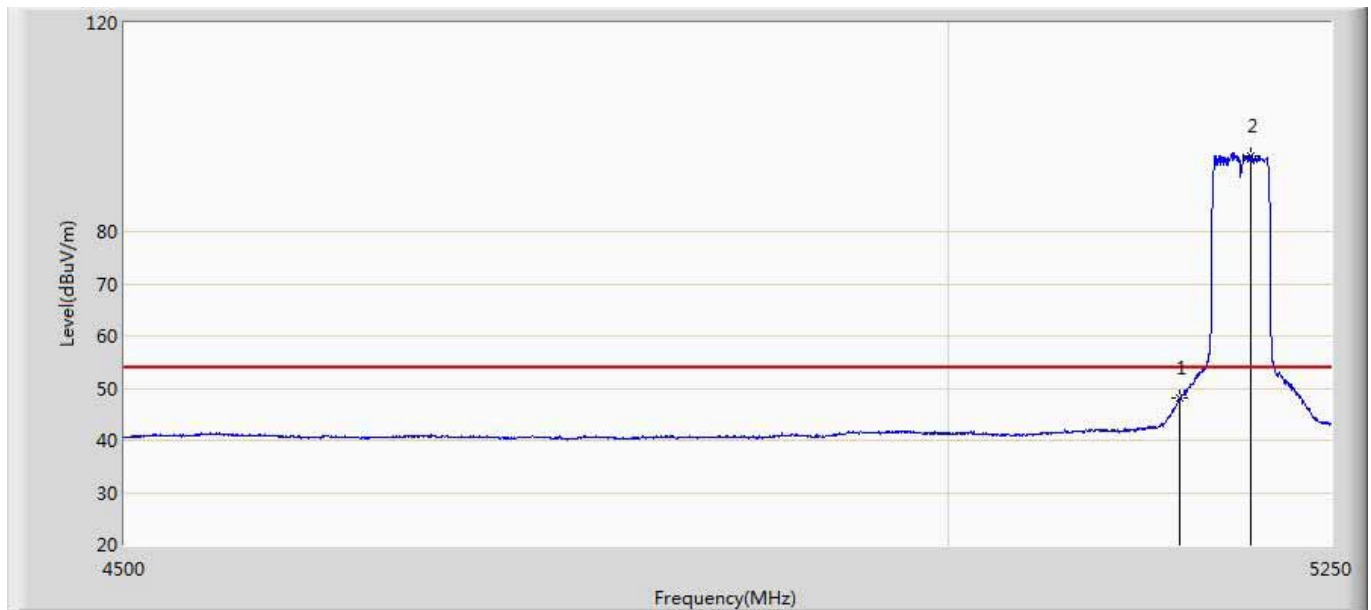
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.160	2.413	-8.840	54.000	42.747	AV
2	*	5184.750	90.436	47.537	N/A	N/A	42.899	AV

Site: AC5	Time: 2016/04/18 - 14:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5190	



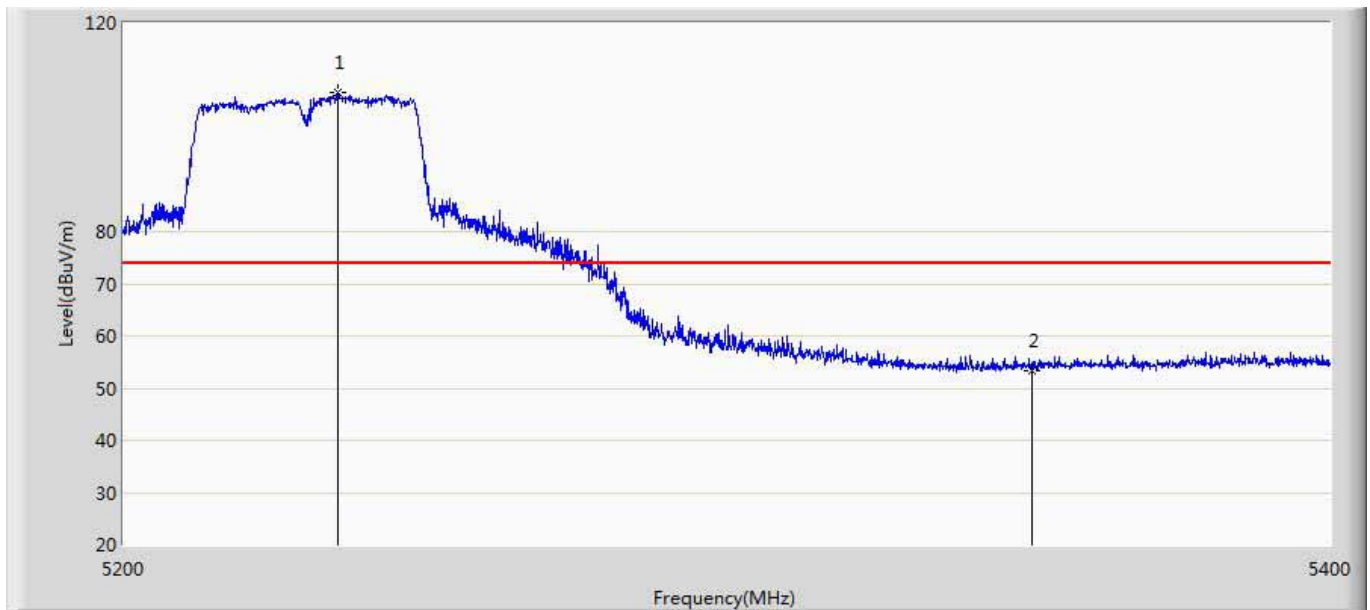
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.075	18.328	-12.925	74.000	42.747	PK
2	*	5194.125	105.416	62.534	N/A	N/A	42.882	PK

Site: AC5	Time: 2016/04/18 - 14:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5190	



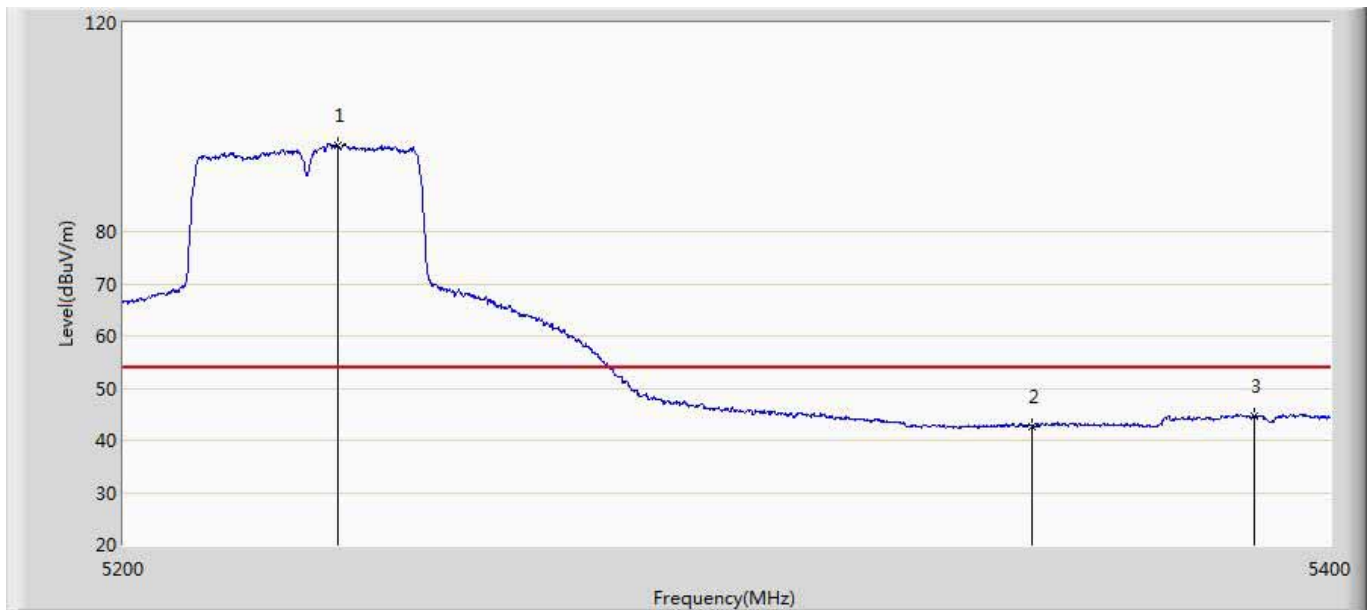
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.219	5.472	-5.781	54.000	42.747	AV
2	*	5196.750	94.503	51.626	N/A	N/A	42.877	AV

Site: AC5	Time: 2016/04/18 - 15:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5230	



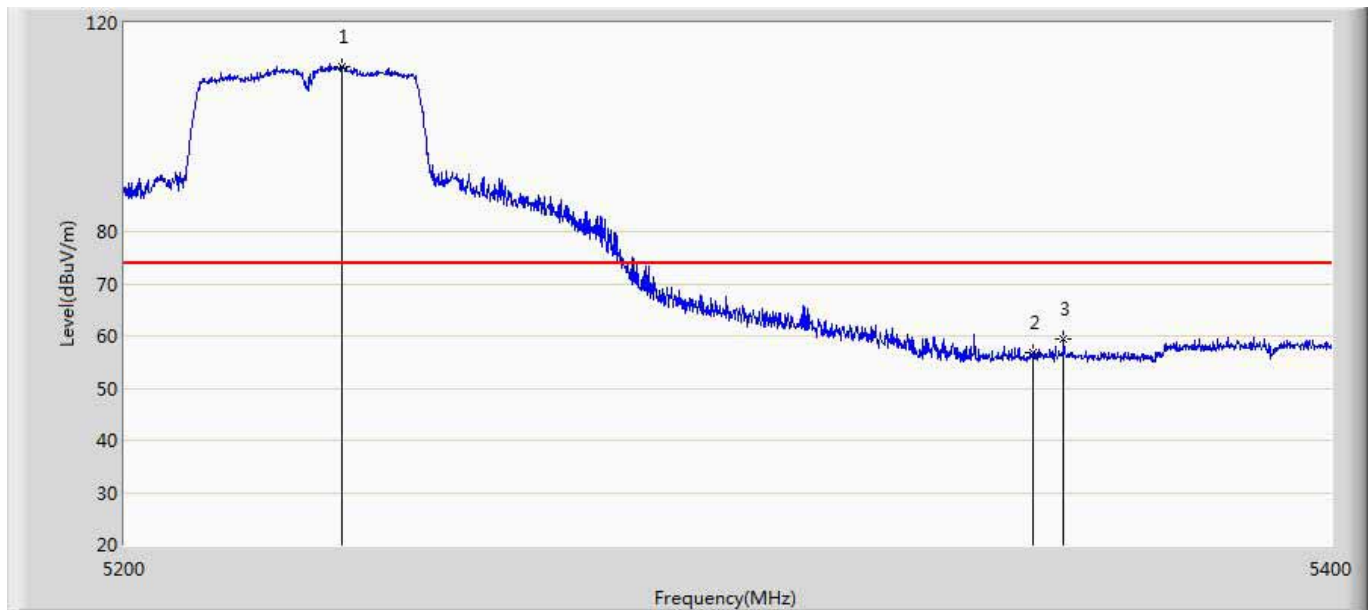
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5235.000	106.535	63.646	N/A	N/A	42.889	PK
2		5350.000	53.314	10.121	-20.686	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 15:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5230	



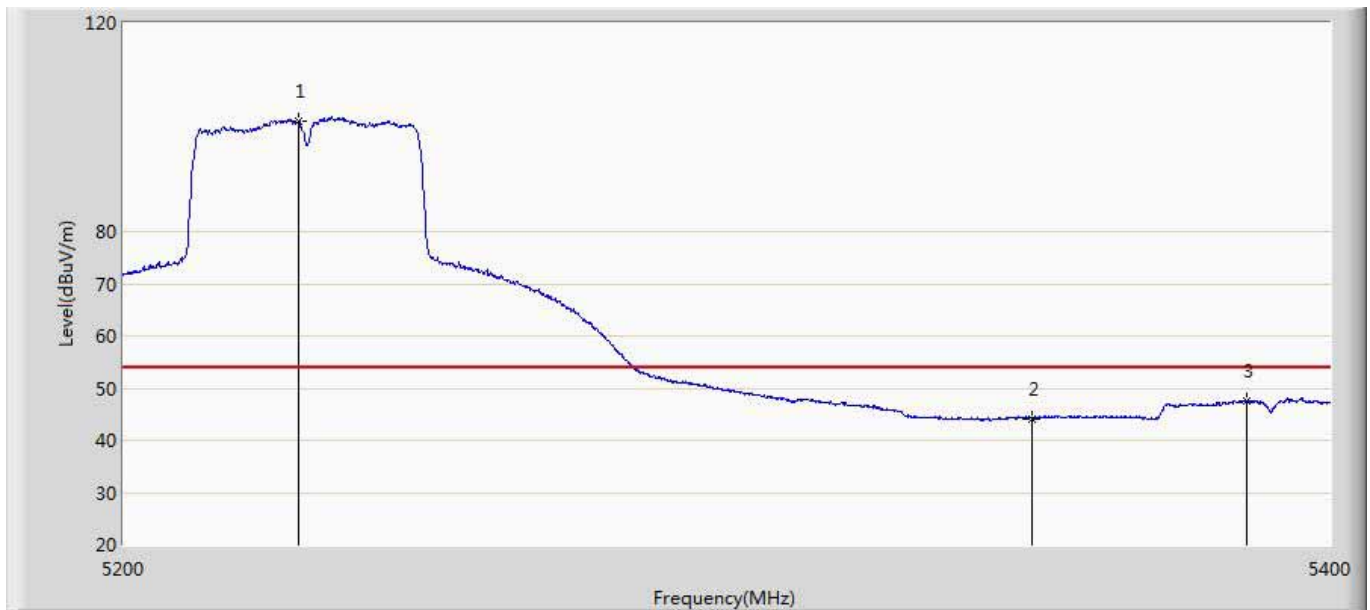
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5235.000	96.630	53.741	N/A	N/A	42.889	AV
2		5350.000	42.632	-0.561	-11.368	54.000	43.193	AV
3		5387.300	44.707	1.580	-9.293	54.000	43.126	AV

Site: AC5	Time: 2016/04/18 - 15:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5230	



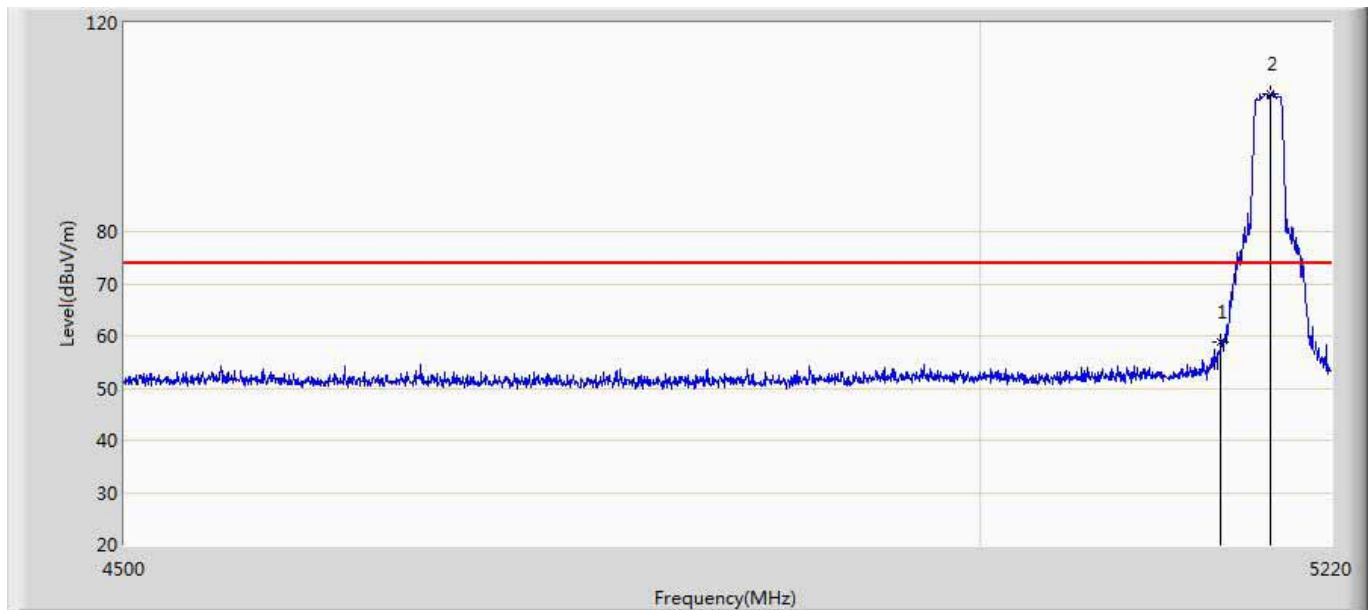
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5235.600	111.467	68.576	N/A	N/A	42.891	PK
2		5350.000	56.849	13.656	-17.151	74.000	43.193	PK
3		5355.100	59.315	16.109	-14.685	74.000	43.206	PK

Site: AC5	Time: 2016/04/18 - 15:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5230	



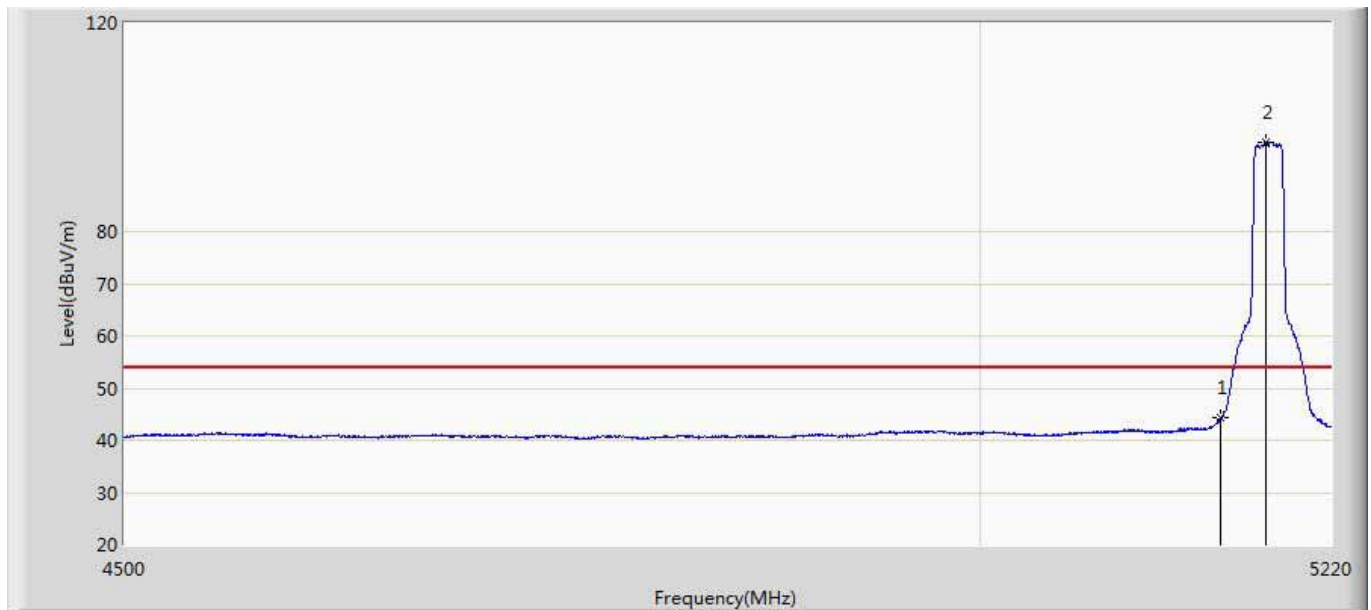
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5228.600	101.240	58.384	N/A	N/A	42.856	AV
2		5350.000	43.982	0.789	-10.018	54.000	43.193	AV
3		5386.000	47.522	4.406	-6.478	54.000	43.116	AV

Site: AC5	Time: 2016/04/18 - 15:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5180	



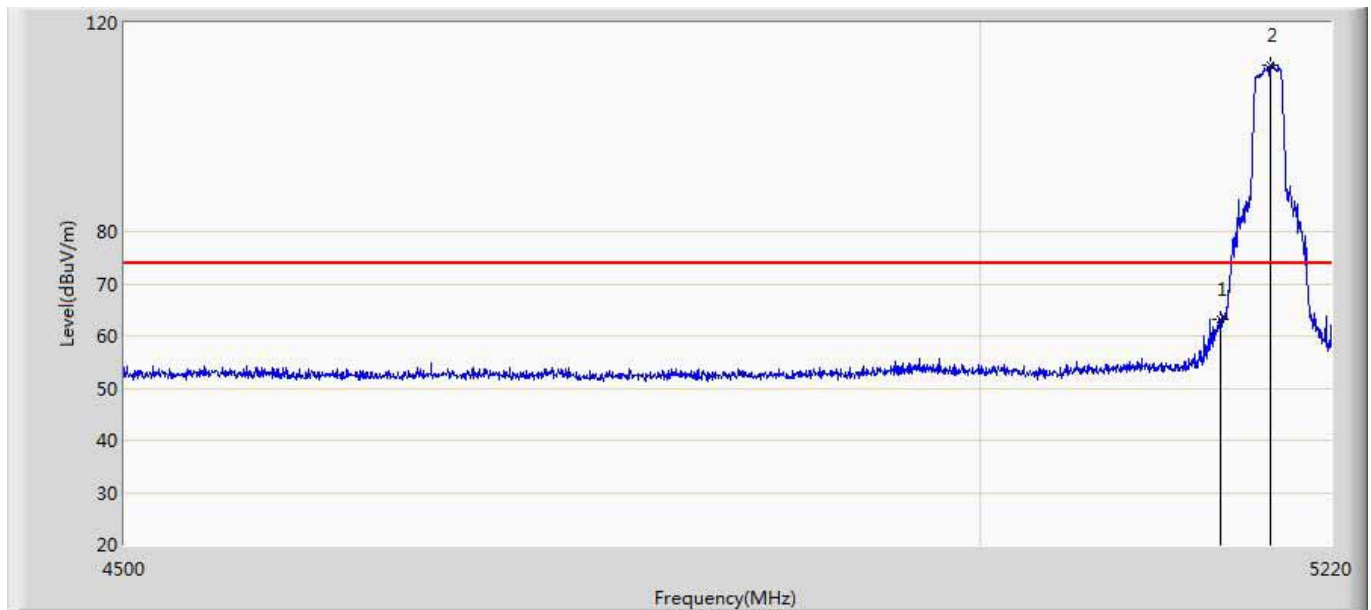
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.960	16.213	-15.040	74.000	42.747	PK
2	*	5181.120	106.516	63.618	N/A	N/A	42.897	PK

Site: AC5	Time: 2016/04/18 - 15:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac CH5180	



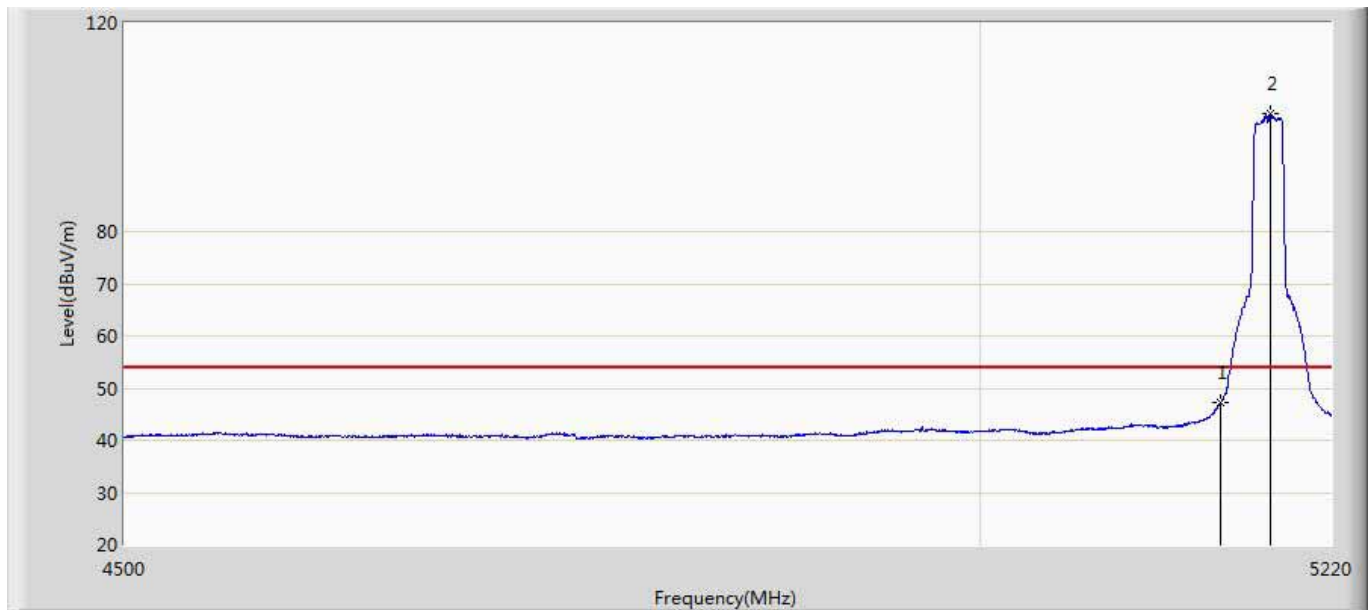
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.473	1.726	-9.527	54.000	42.747	AV
2	*	5178.600	97.215	54.336	N/A	N/A	42.879	AV

Site: AC5	Time: 2016/04/18 - 15:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac CH5180	



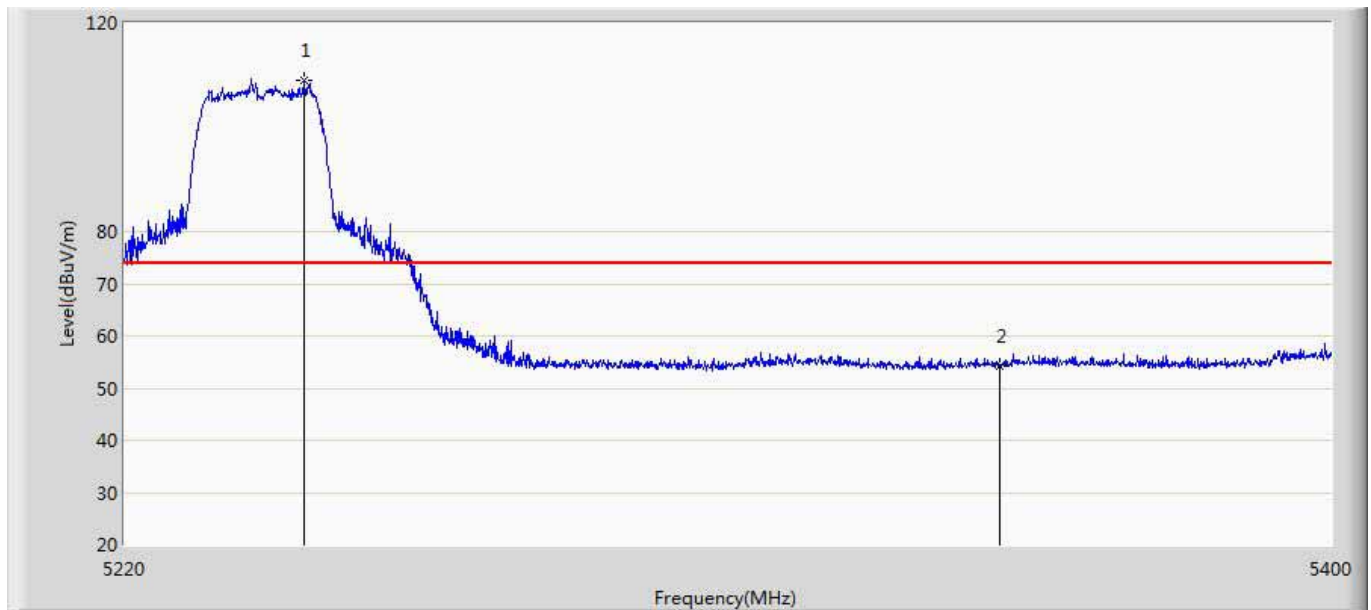
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.221	20.474	-10.779	74.000	42.747	PK
2	*	5181.120	111.801	68.903	N/A	N/A	42.897	PK

Site: AC5	Time: 2016/04/18 - 15:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5180	



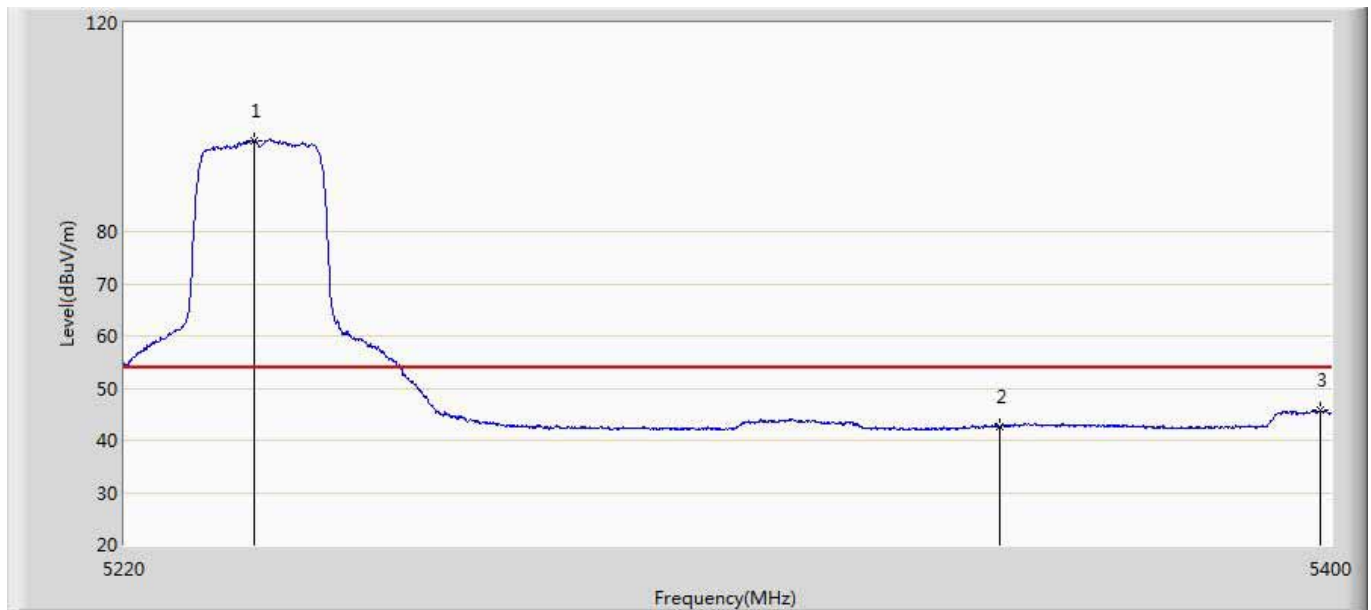
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.282	4.535	-6.718	54.000	42.747	AV
2	*	5181.120	102.504	59.606	N/A	N/A	42.897	AV

Site: AC5	Time: 2016/04/18 - 15:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5240	



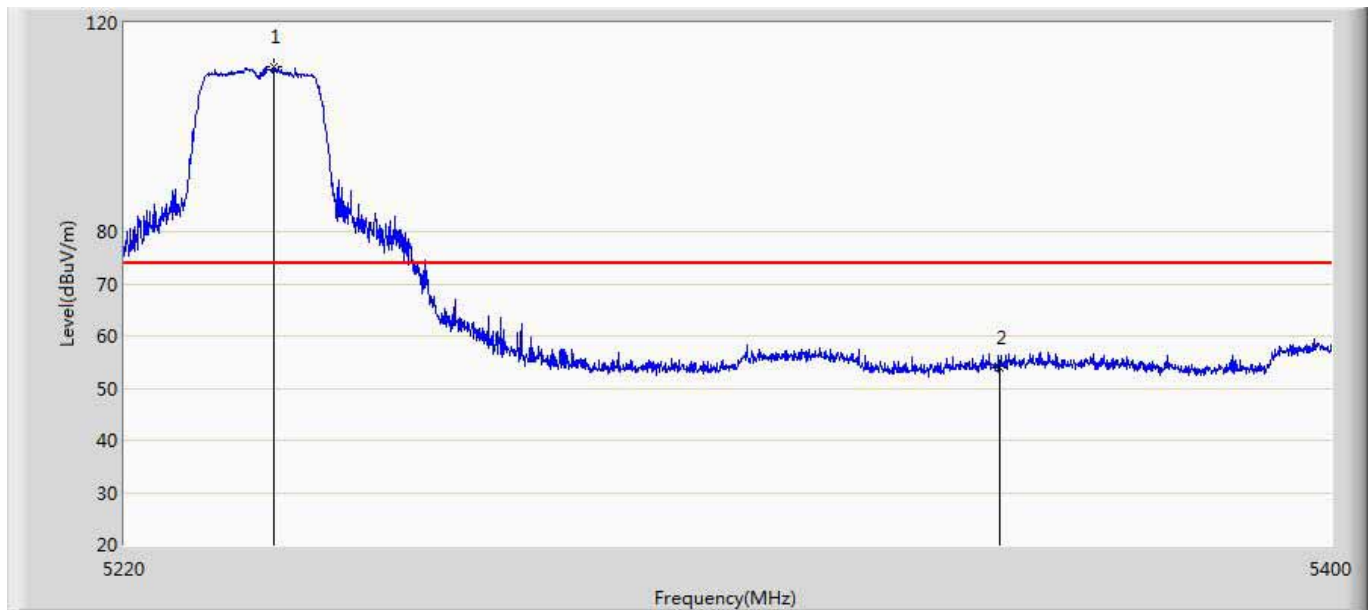
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5246.370	109.049	66.121	N/A	N/A	42.927	PK
2		5350.000	54.250	11.057	-19.750	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 15:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5240	



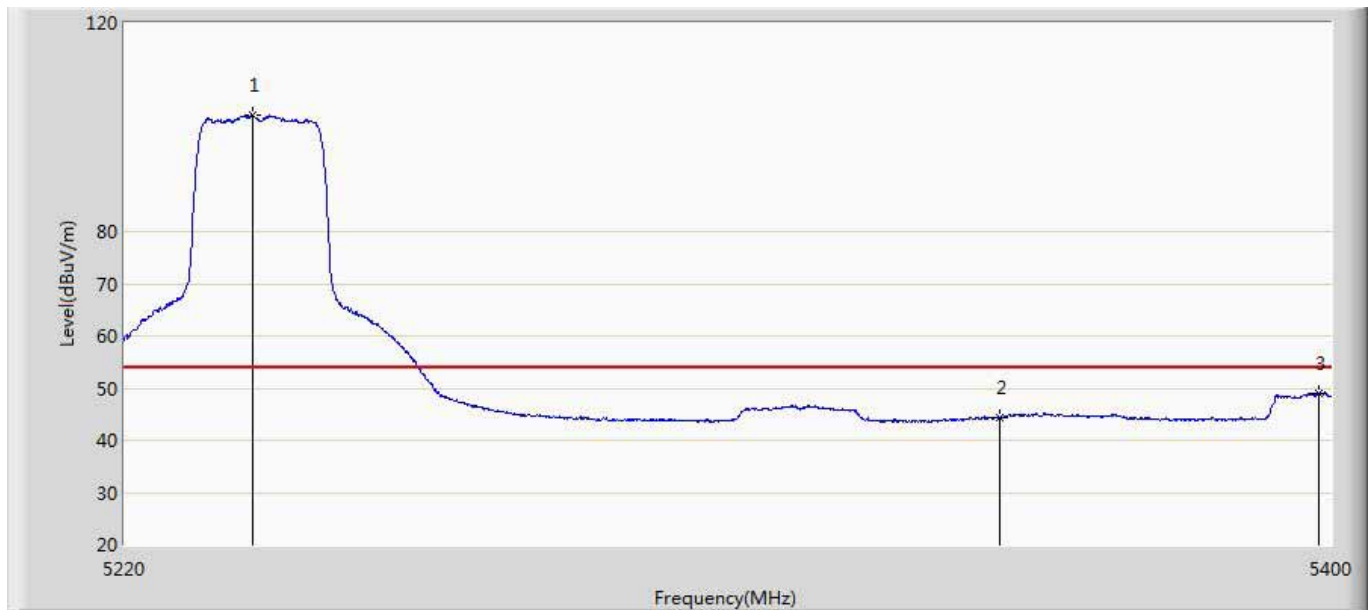
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5239.170	97.522	54.619	N/A	N/A	42.903	AV
2		5350.000	42.549	-0.644	-11.451	54.000	43.193	AV
3		5398.290	45.681	2.463	-8.319	54.000	43.217	AV

Site: AC5	Time: 2016/04/18 - 15:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5240	



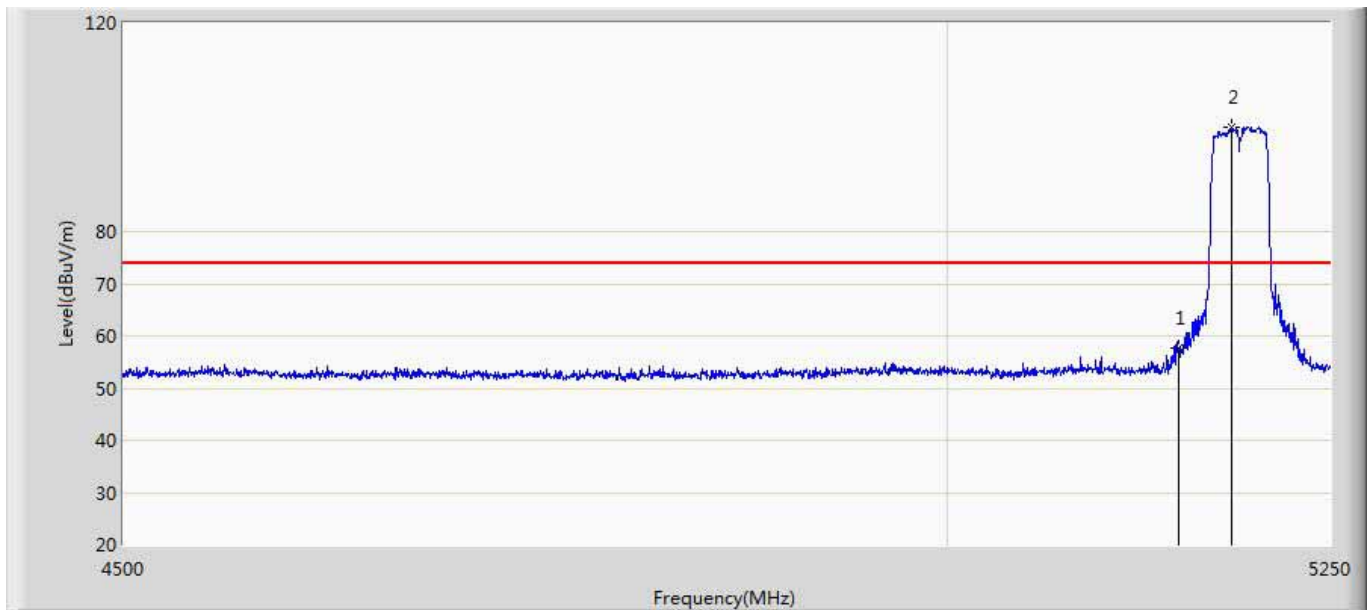
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.960	111.451	68.538	N/A	N/A	42.913	PK
2		5350.000	53.996	10.803	-20.004	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 15:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5240	



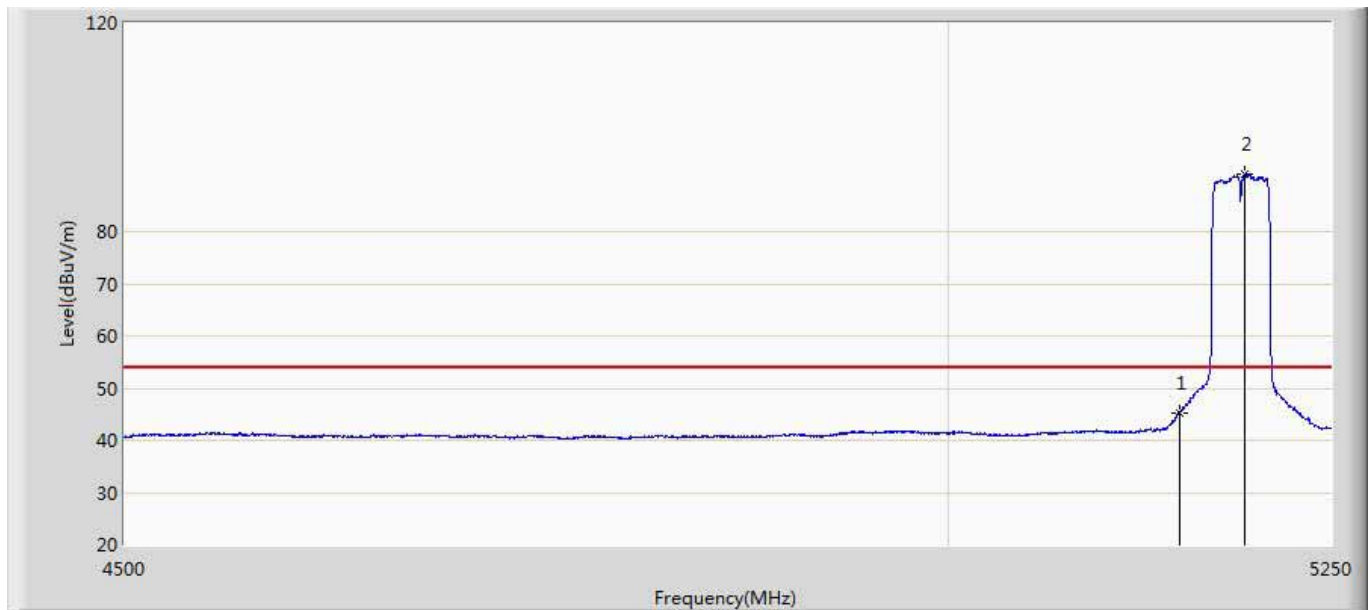
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5238.810	102.196	59.294	N/A	N/A	42.902	AV
2		5350.000	44.364	1.171	-9.636	54.000	43.193	AV
3		5398.200	49.085	5.868	-4.915	54.000	43.217	AV

Site: AC5	Time: 2016/04/18 - 15:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5190	



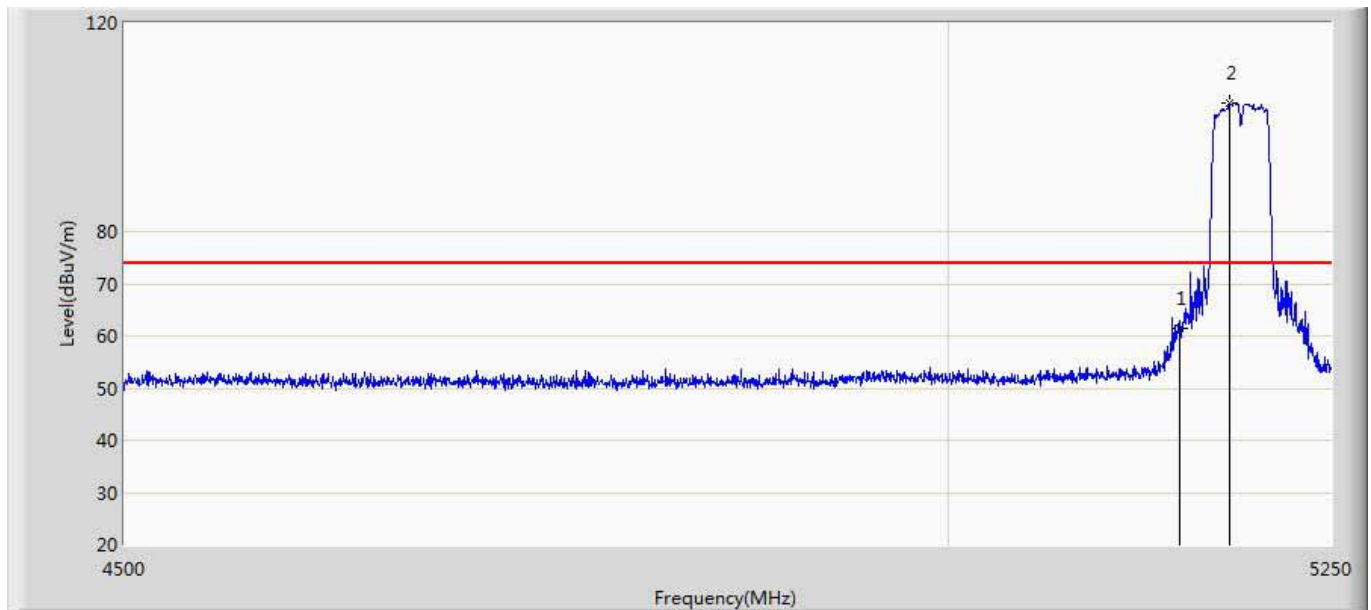
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.610	14.863	-16.390	74.000	42.747	PK
2	*	5184.000	100.049	57.149	N/A	N/A	42.900	PK

Site: AC5	Time: 2016/04/18 - 15:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5190	



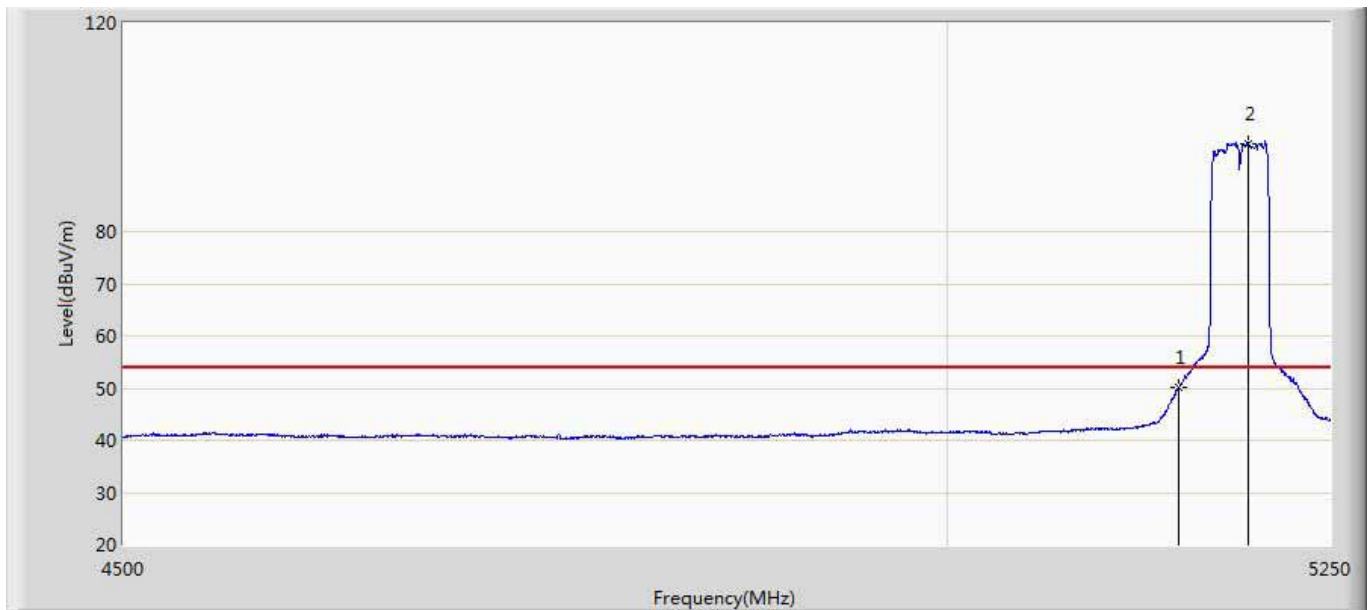
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.261	2.514	-8.739	54.000	42.747	AV
2	*	5192.625	90.972	48.087	N/A	N/A	42.885	AV

Site: AC5	Time: 2016/04/18 - 15:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5190	



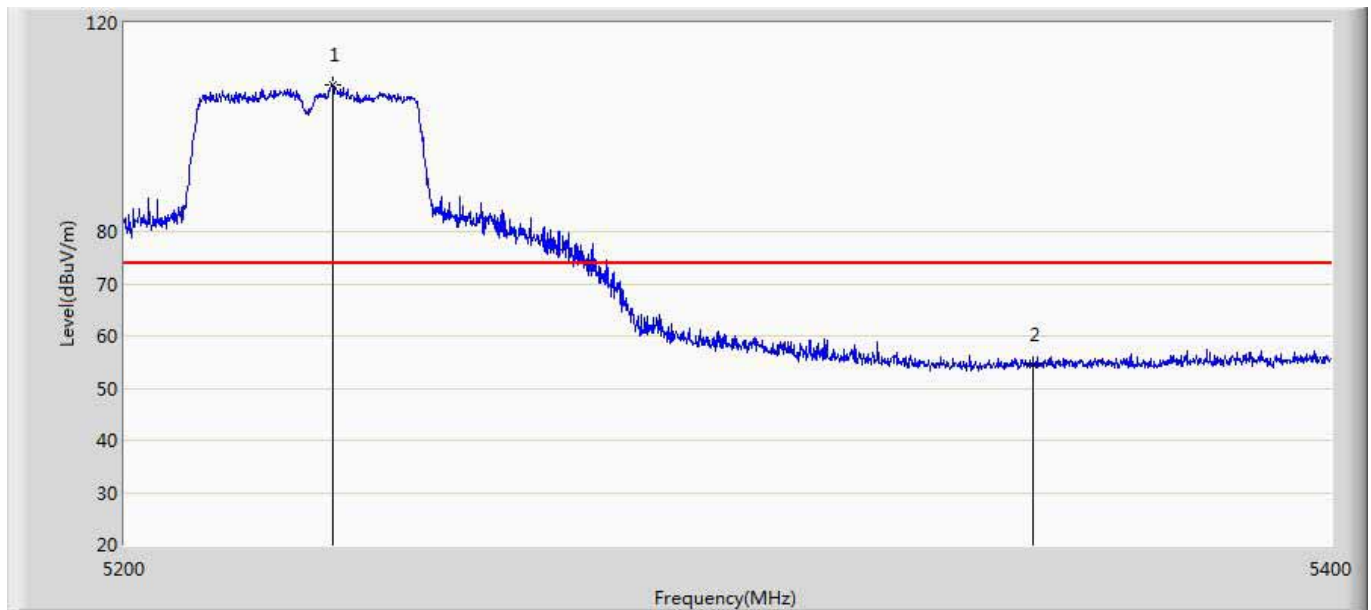
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.519	18.772	-12.481	74.000	42.747	PK
2	*	5182.125	104.613	61.709	N/A	N/A	42.904	PK

Site: AC5	Time: 2016/04/18 - 16:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5190	



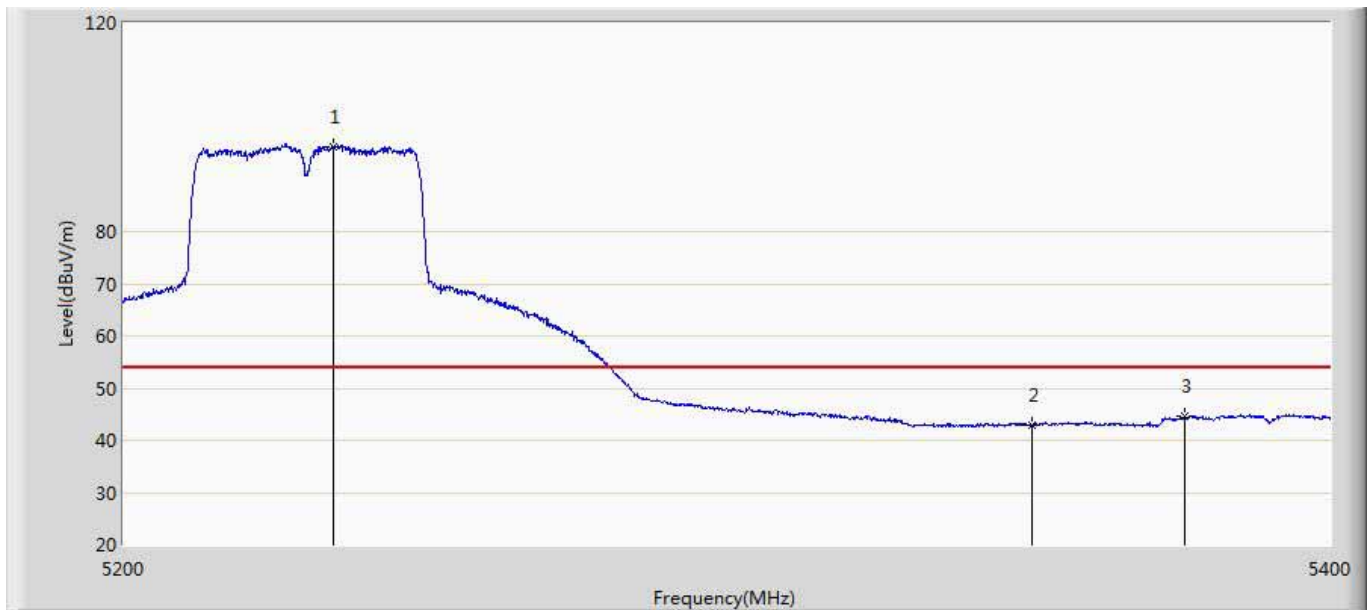
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1		5150.000	50.252	7.505	-3.748	54.000	42.747	AV
2	*	5195.250	96.869	53.989	N/A	N/A	42.880	AV

Site: AC5	Time: 2016/04/18 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5230	



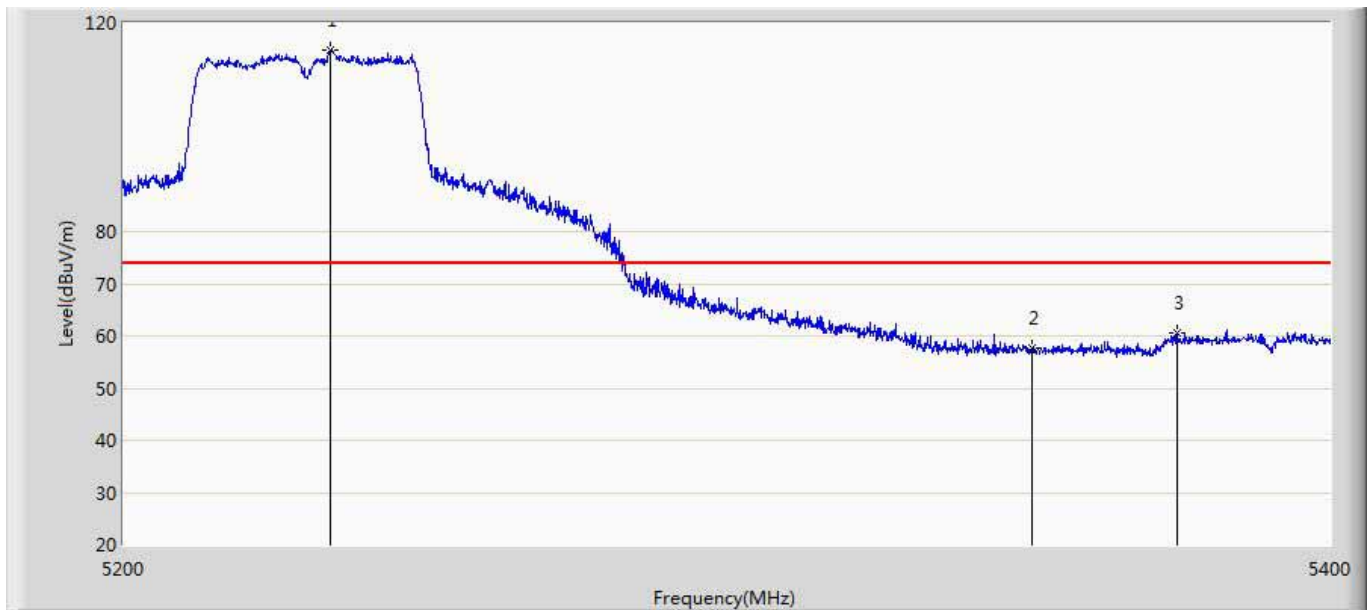
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5234.100	108.085	65.199	N/A	N/A	42.885	PK
2		5350.000	54.521	11.328	-19.479	74.000	43.193	PK

Site: AC5	Time: 2016/04/18 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5230	



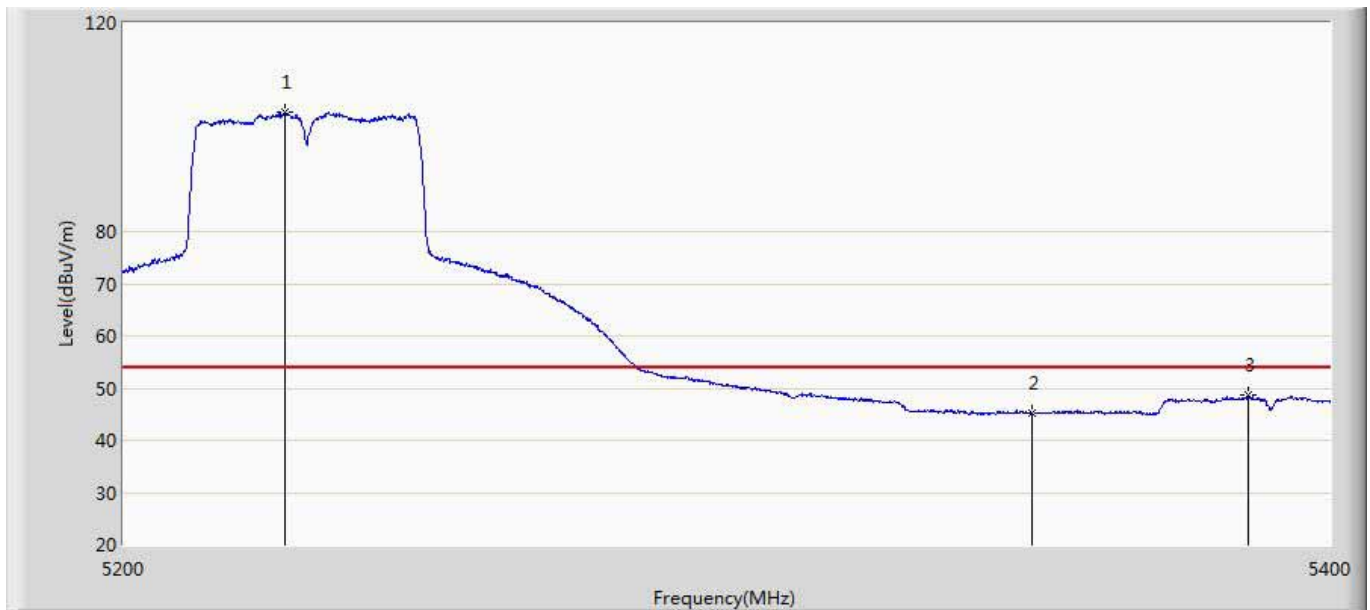
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5234.300	96.271	53.385	N/A	N/A	42.886	AV
2		5350.000	43.041	-0.152	-10.959	54.000	43.193	AV
3		5375.500	44.709	1.581	-9.291	54.000	43.128	AV

Site: AC5	Time: 2016/04/18 - 16:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5230	



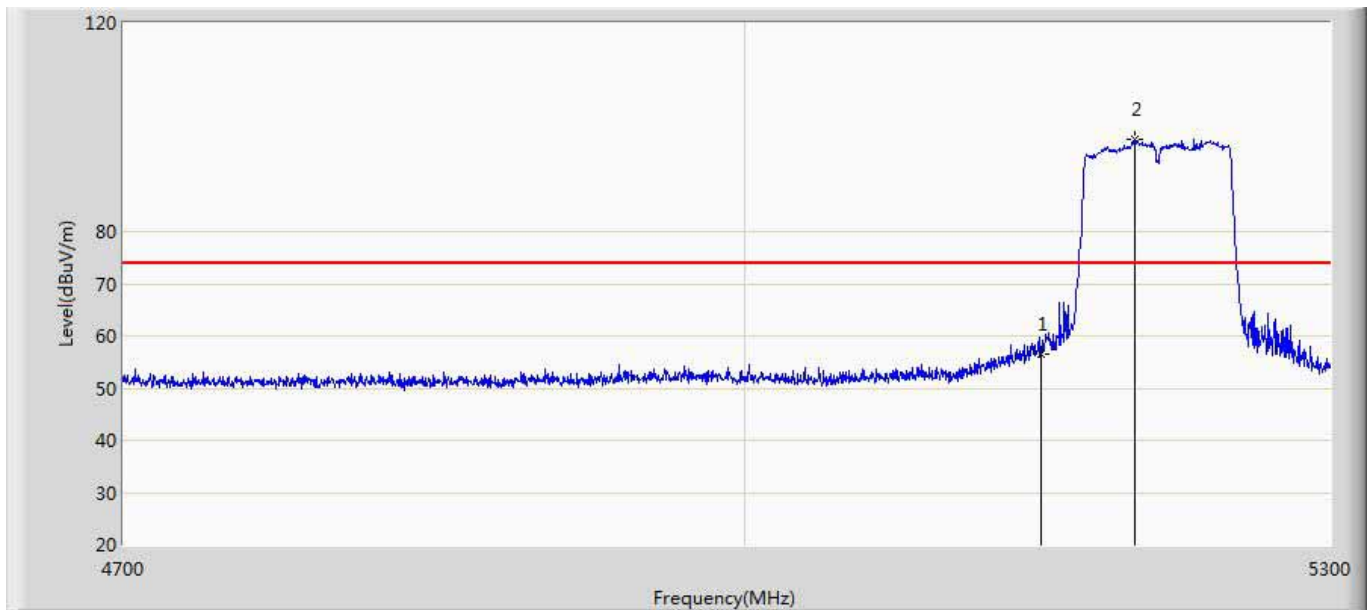
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5233.900	114.888	72.003	N/A	N/A	42.885	PK
2		5350.000	57.587	14.394	-16.413	74.000	43.193	PK
3		5374.200	60.603	17.474	-13.397	74.000	43.129	PK

Site: AC5	Time: 2016/04/18 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5230	



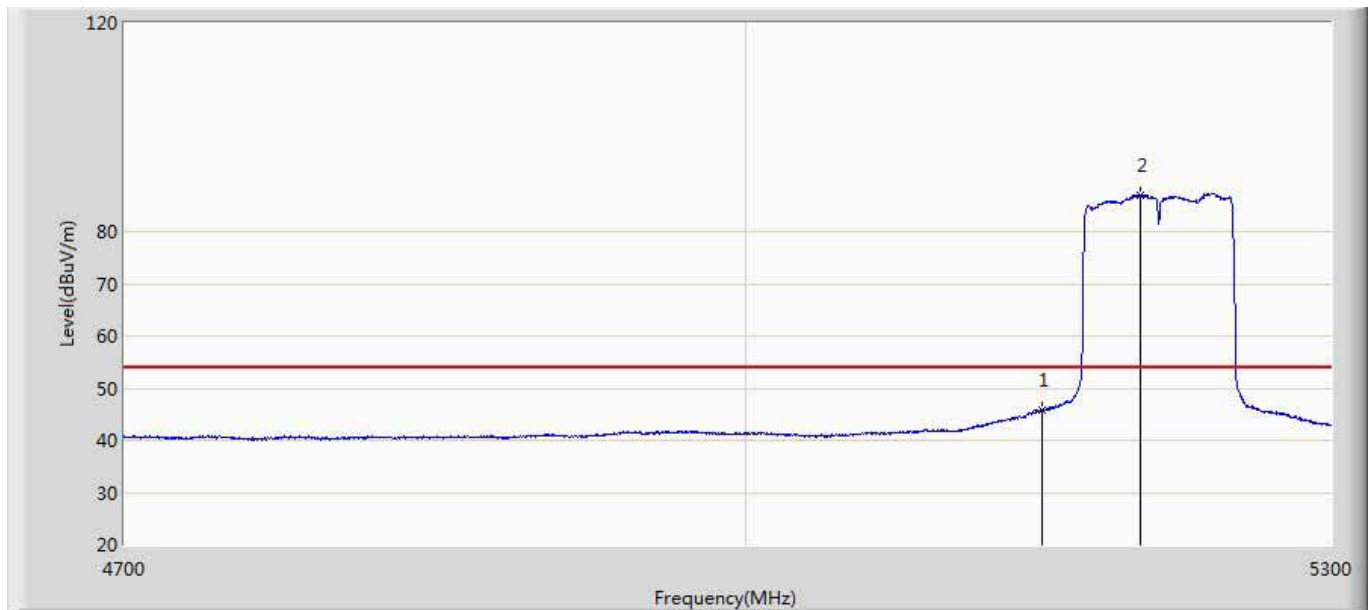
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5226.300	102.946	60.104	N/A	N/A	42.842	AV
2		5350.000	45.075	1.882	-8.925	54.000	43.193	AV
3		5386.300	48.575	5.457	-5.425	54.000	43.118	AV

Site: AC5	Time: 2016/04/18 - 16:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5210	



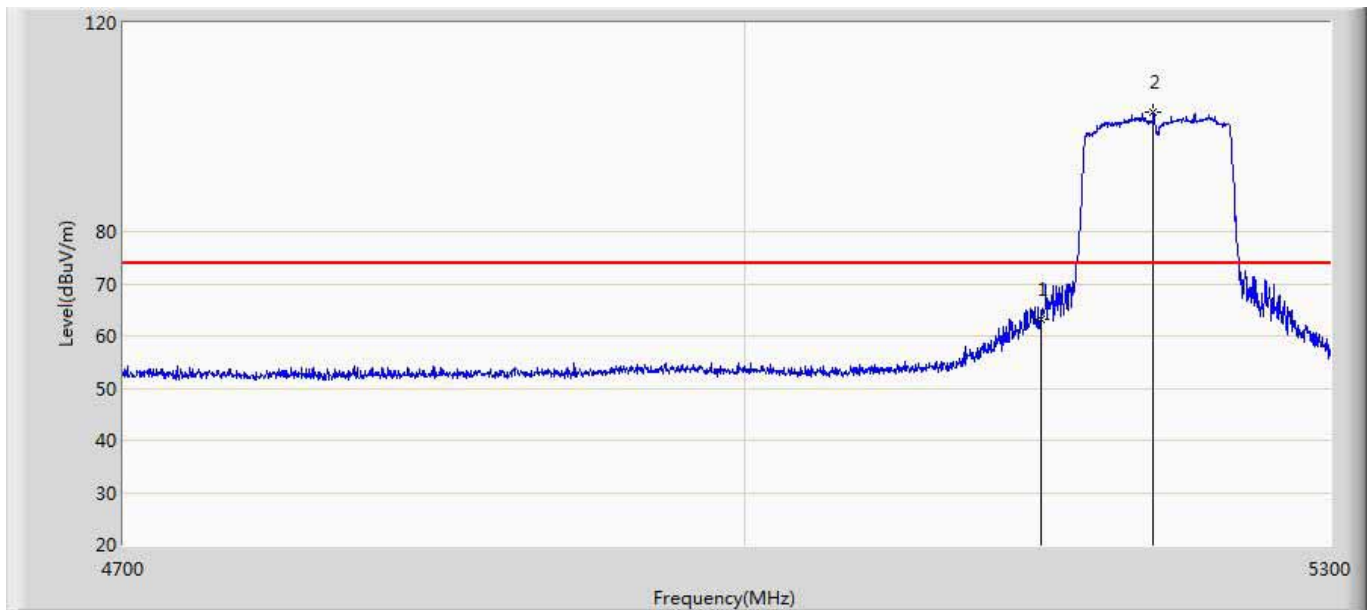
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	56.522	13.775	-17.478	74.000	42.747	PK
2	*	5197.700	97.606	54.731	N/A	N/A	42.876	PK

Site: AC5	Time: 2016/04/18 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5210	



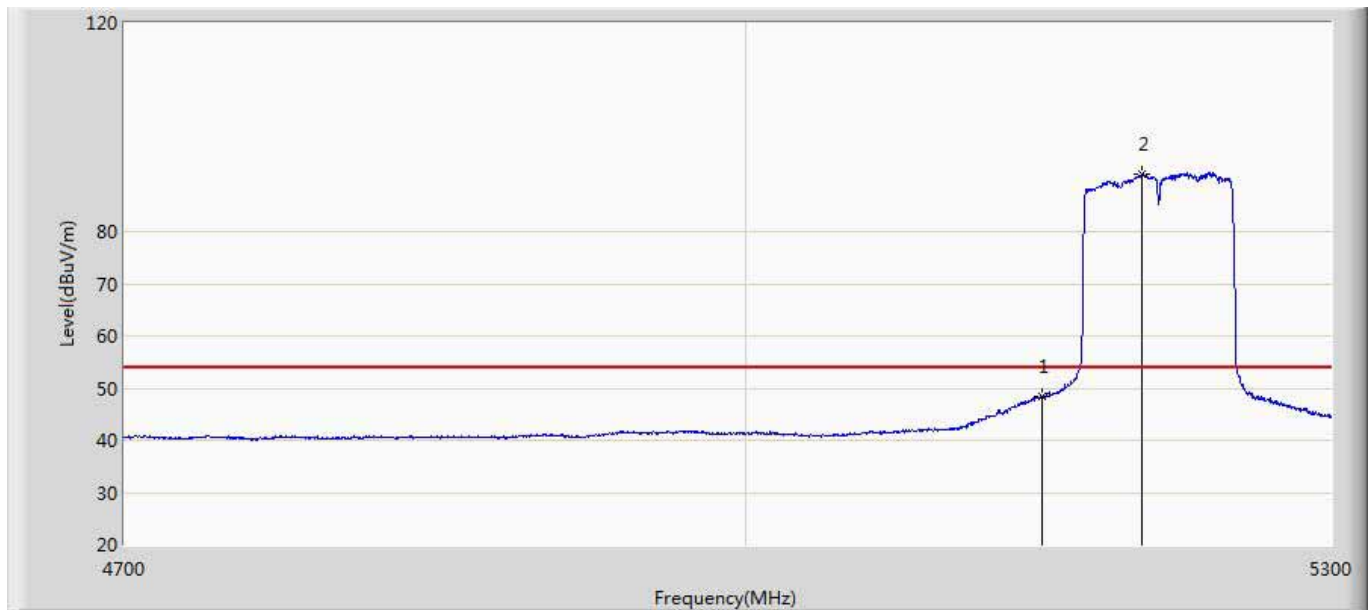
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.806	3.059	-8.194	54.000	42.747	AV
2	*	5200.700	87.045	44.181	N/A	N/A	42.864	AV

Site: AC5	Time: 2016/04/18 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5210	



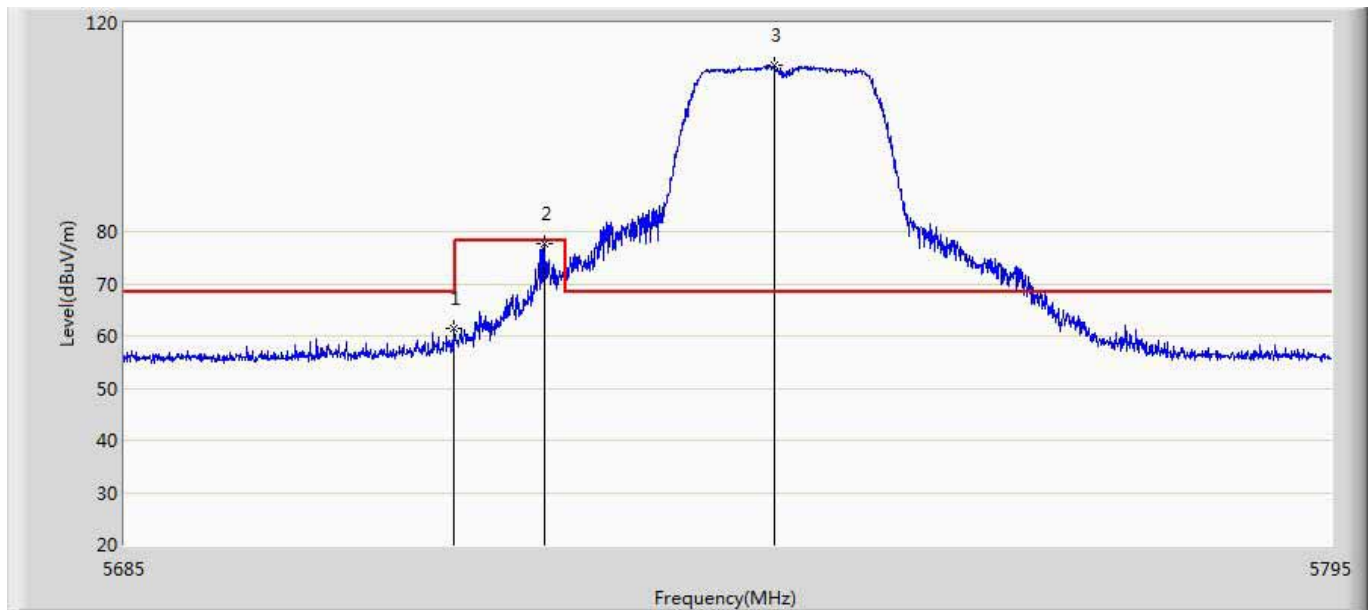
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.160	20.413	-10.840	74.000	42.747	PK
2	*	5207.600	102.843	60.017	N/A	N/A	42.827	PK

Site: AC5	Time: 2016/04/18 - 17:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5210	



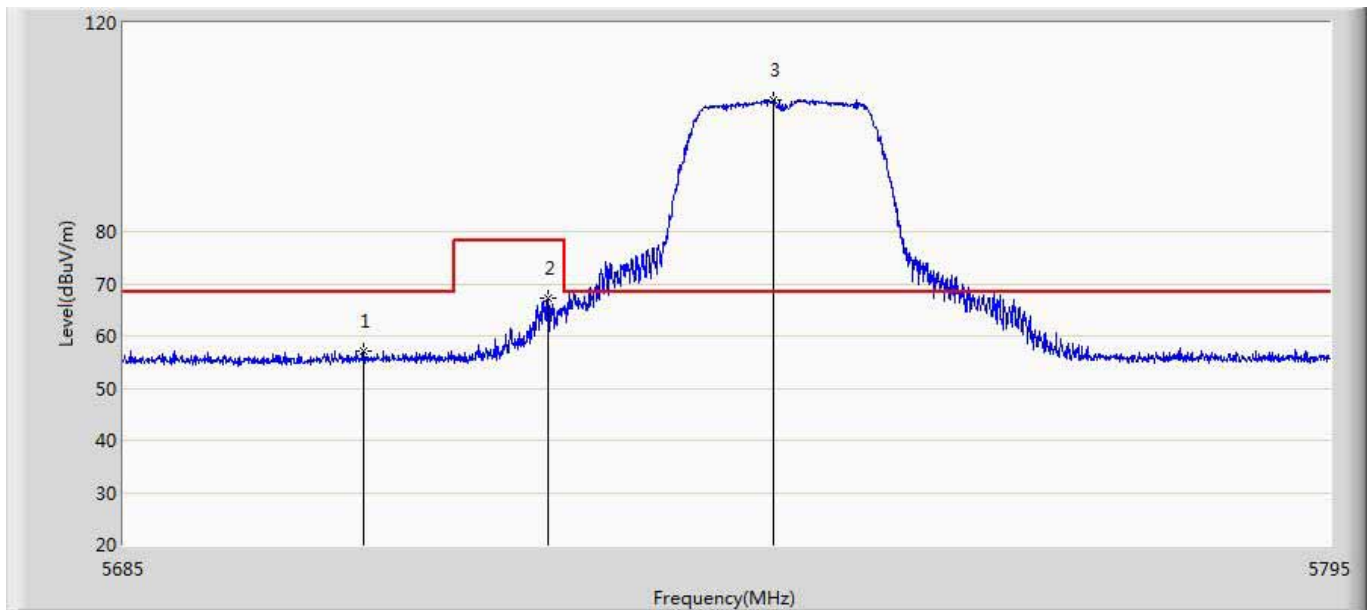
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.418	5.671	-5.582	54.000	42.747	AV
2	*	5201.000	90.973	48.111	N/A	N/A	42.862	AV

Site: AC5	Time: 2016/04/18 - 17:35
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5745	



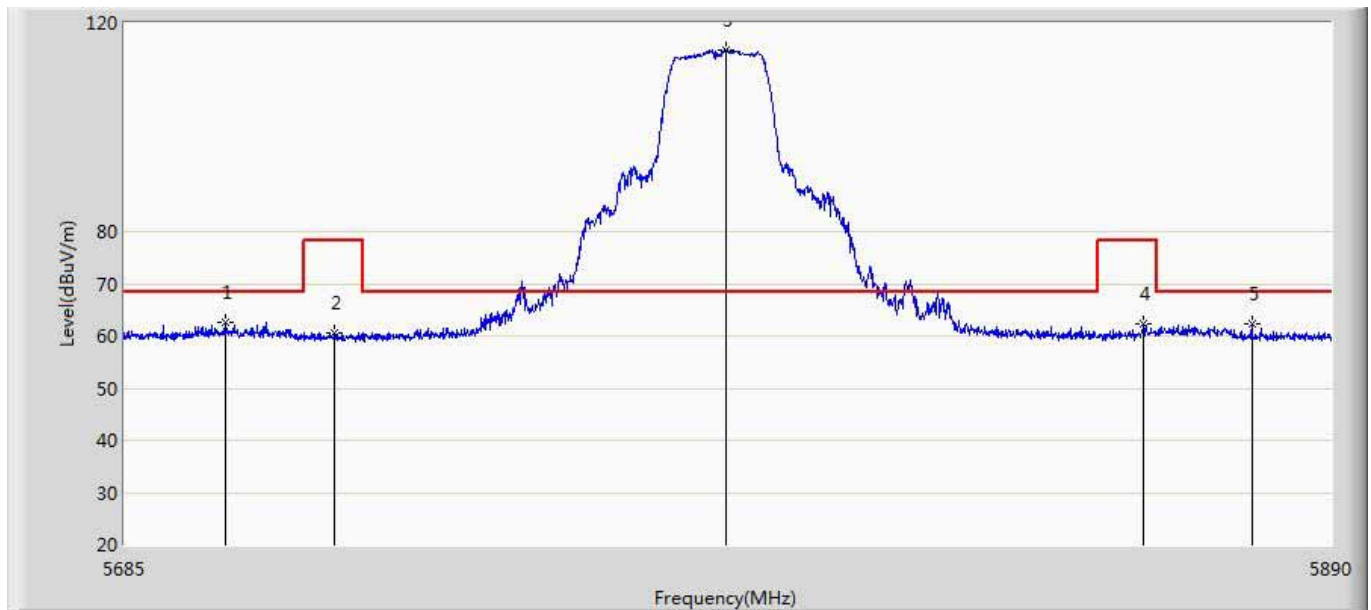
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.865	61.496	17.447	-6.804	68.300	44.049	PK
2		5723.115	77.612	33.540	-0.688	78.300	44.072	PK
3	*	5744.070	111.825	67.624	N/A	N/A	44.202	PK

Site: AC5	Time: 2016/04/18 - 17:37
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5745	



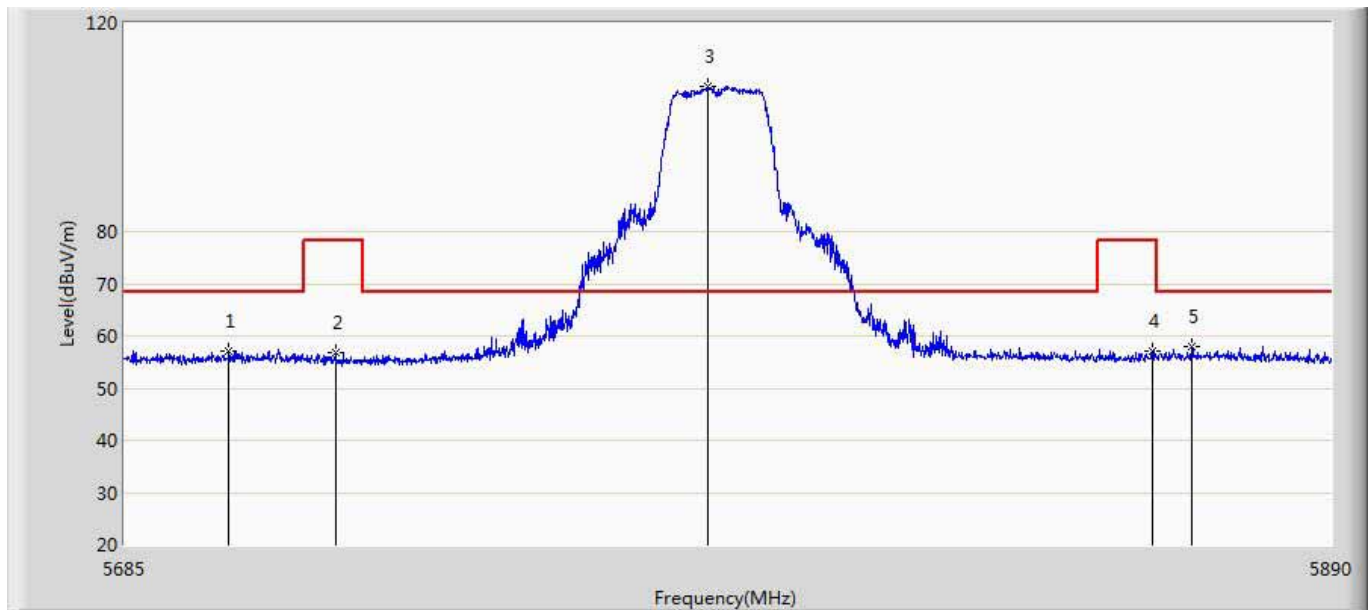
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5706.725	57.187	13.154	-11.113	68.300	44.034	PK
2		5723.555	67.371	23.298	-10.929	78.300	44.073	PK
3	*	5744.015	105.338	61.136	N/A	N/A	44.202	PK

Site: AC5	Time: 2016/04/18 - 17:41
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5785	



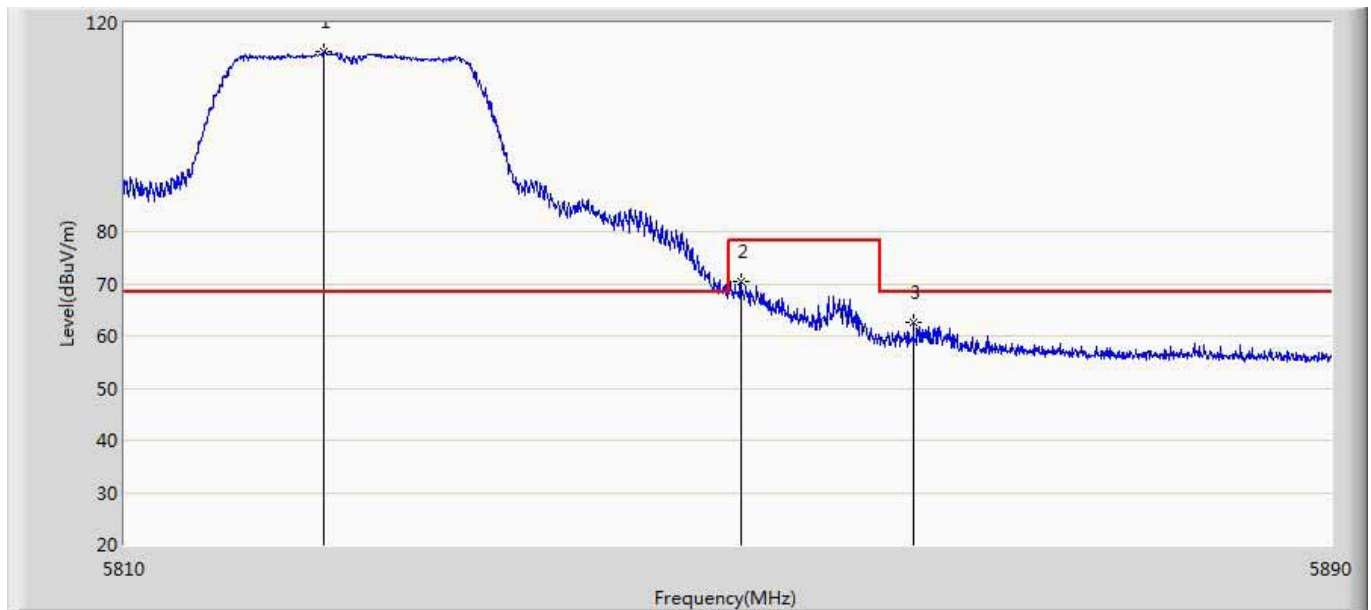
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5702.015	62.542	18.506	-5.758	68.300	44.036	PK
2		5720.260	60.580	16.516	-17.720	78.300	44.064	PK
3	*	5786.373	114.817	70.784	N/A	N/A	44.033	PK
4		5857.712	62.425	18.077	-15.875	78.300	44.349	PK
5		5876.368	62.388	17.924	-5.912	68.300	44.464	PK

Site: AC5	Time: 2016/04/18 - 17:44
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5785	



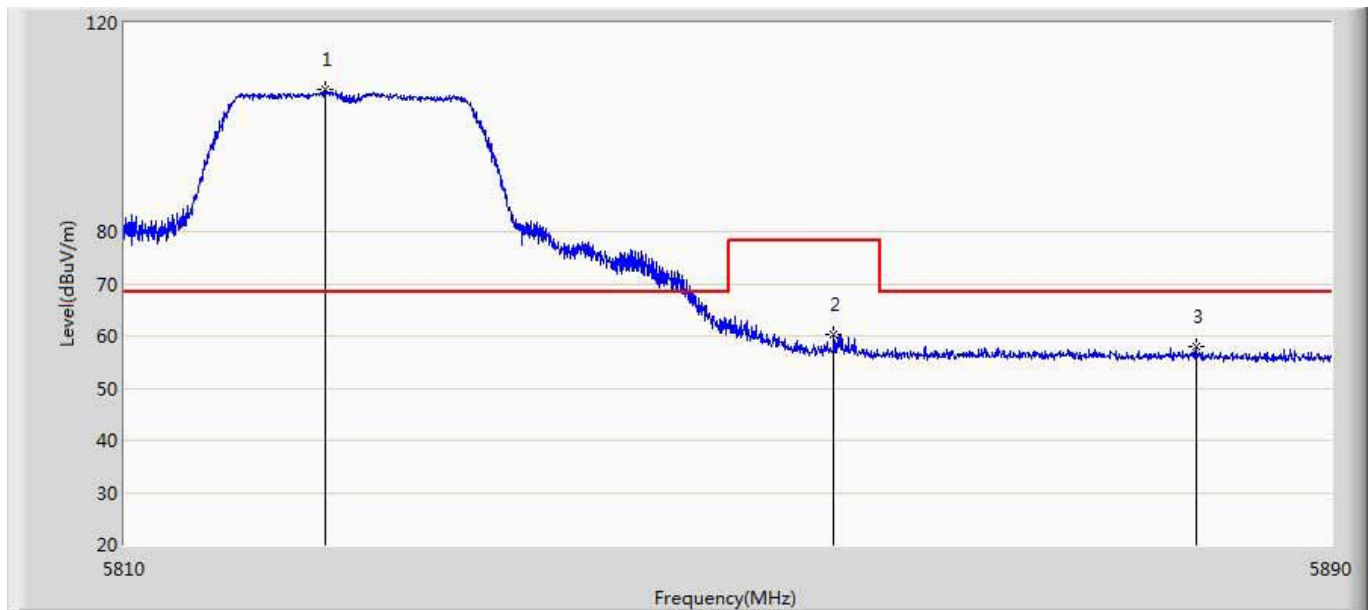
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5702.527	57.222	13.186	-11.078	68.300	44.036	PK
2		5720.362	56.700	12.636	-21.600	78.300	44.064	PK
3	*	5783.297	107.921	63.892	N/A	N/A	44.029	PK
4		5859.353	57.127	12.760	-21.173	78.300	44.367	PK
5		5866.118	58.098	13.682	-10.202	68.300	44.416	PK

Site: AC5	Time: 2016/04/18 - 17:45
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5825	



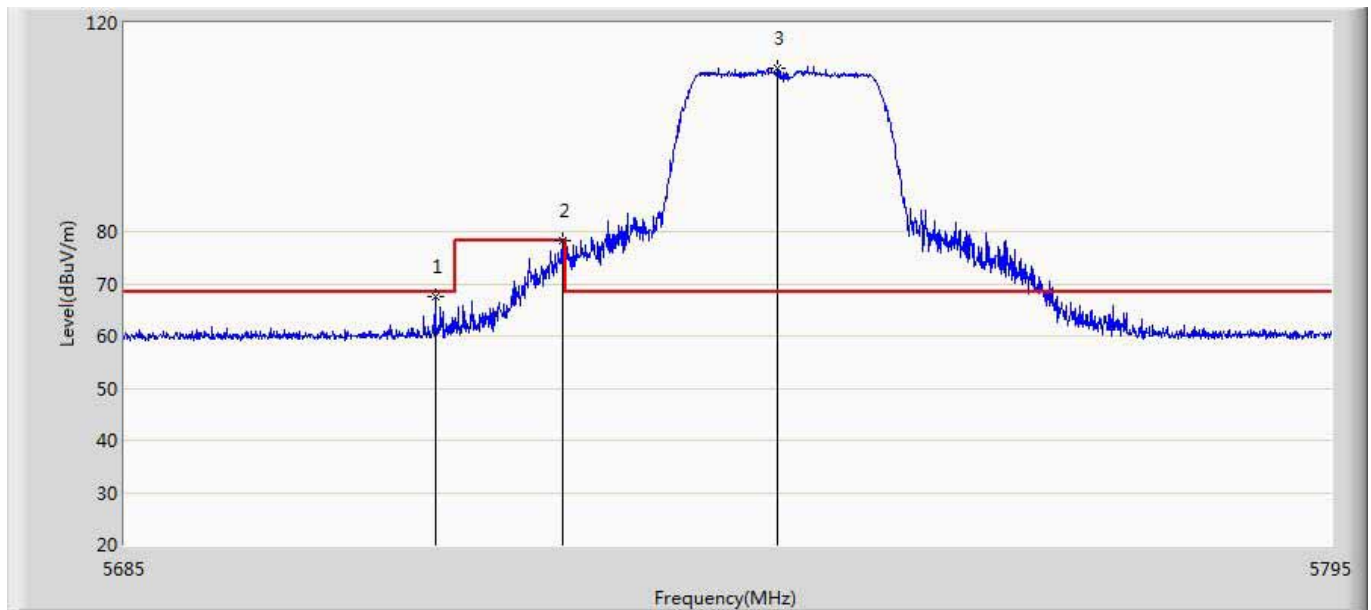
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5823.200	114.545	70.324	N/A	N/A	44.221	PK
2		5850.760	70.342	26.072	-7.958	78.300	44.270	PK
3		5862.200	62.742	18.344	-5.558	68.300	44.398	PK

Site: AC5	Time: 2016/04/18 - 17:47
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 1 Transmit at 802.11a CH5825	



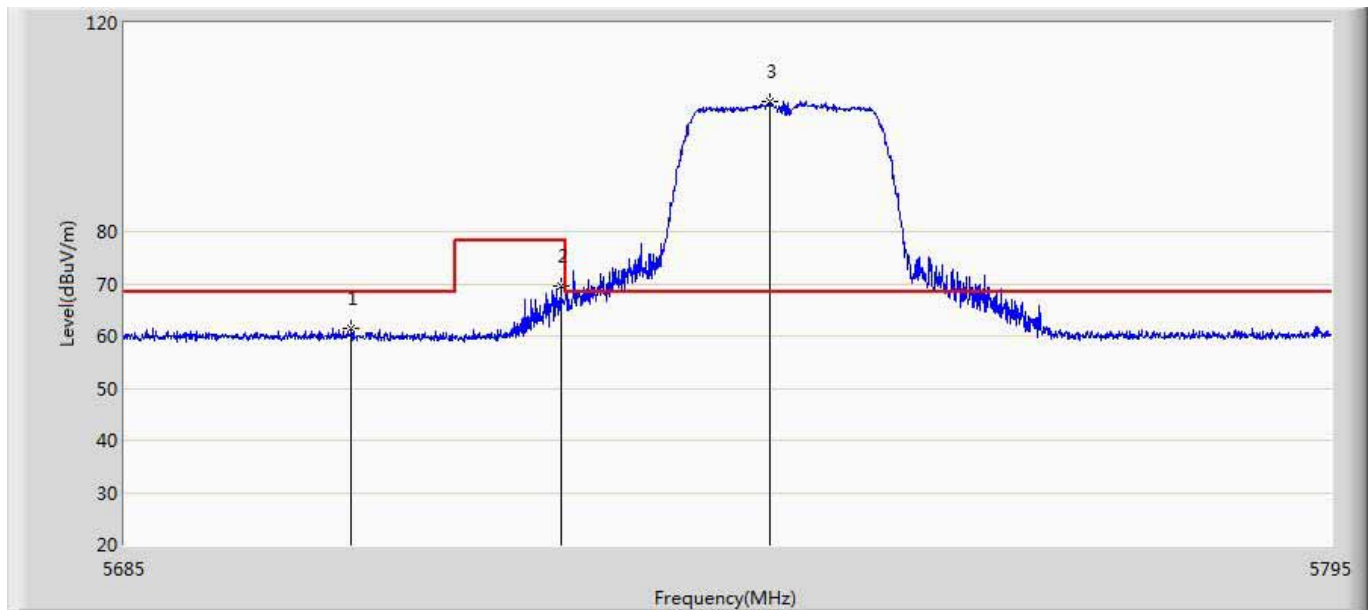
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5823.240	107.139	62.917	N/A	N/A	44.222	PK
2		5856.920	60.311	15.971	-17.989	78.300	44.340	PK
3		5881.000	58.031	13.572	-10.269	68.300	44.459	PK

Site: AC5	Time: 2016/04/18 - 17:50
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5745	



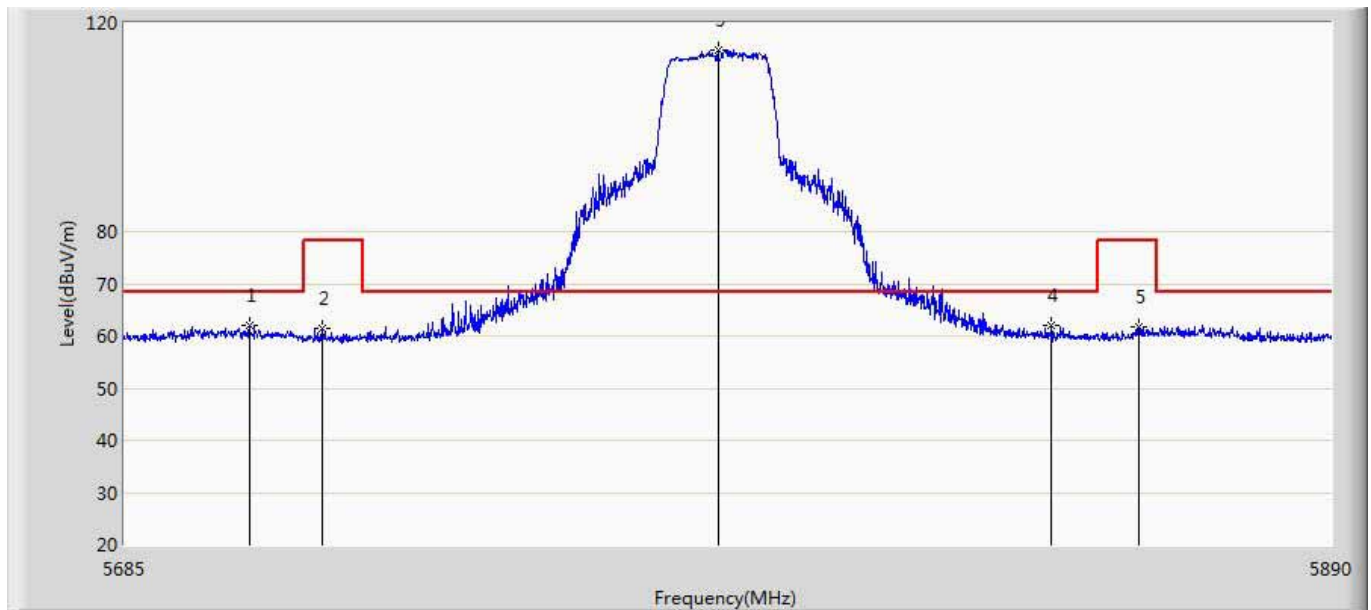
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.160	67.500	23.456	-0.800	68.300	44.044	PK
2		5724.710	78.193	34.117	-0.107	78.300	44.076	PK
3	*	5744.235	111.200	67.001	N/A	N/A	44.199	PK

Site: AC5	Time: 2016/04/18 - 17:53
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5745	



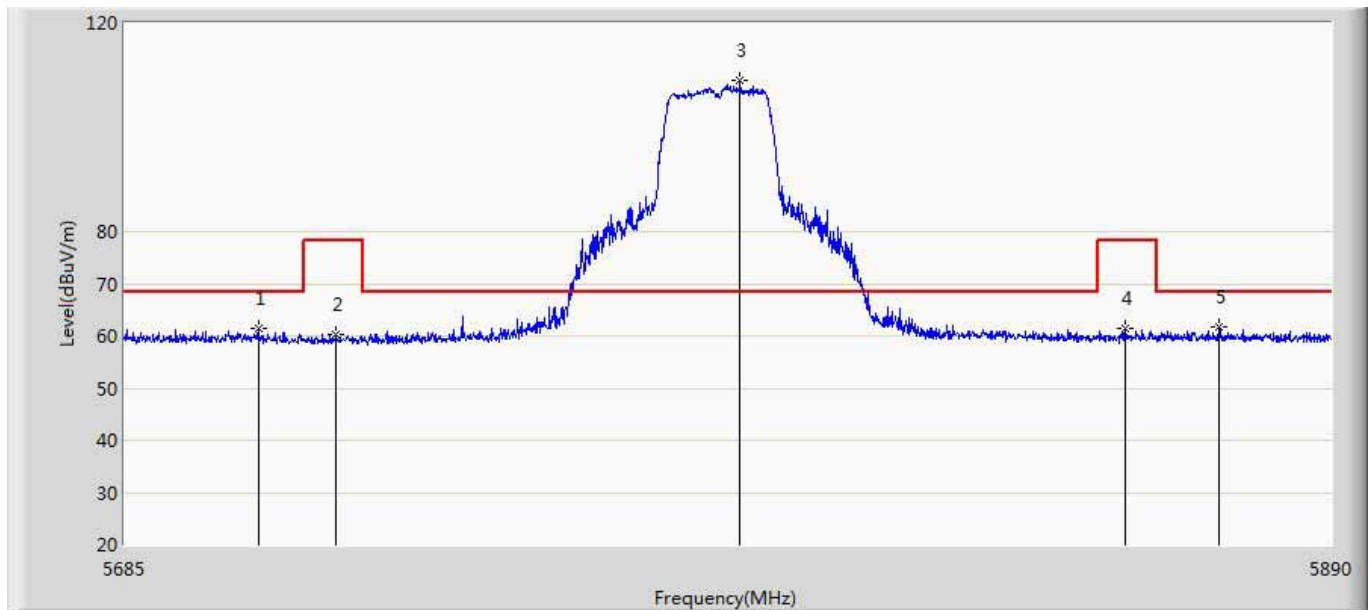
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.570	61.470	17.436	-6.830	68.300	44.034	PK
2		5724.545	69.462	25.386	-8.838	78.300	44.076	PK
3	*	5743.575	104.987	60.779	N/A	N/A	44.208	PK

Site: AC5	Time: 2016/04/18 - 17:57
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5785	



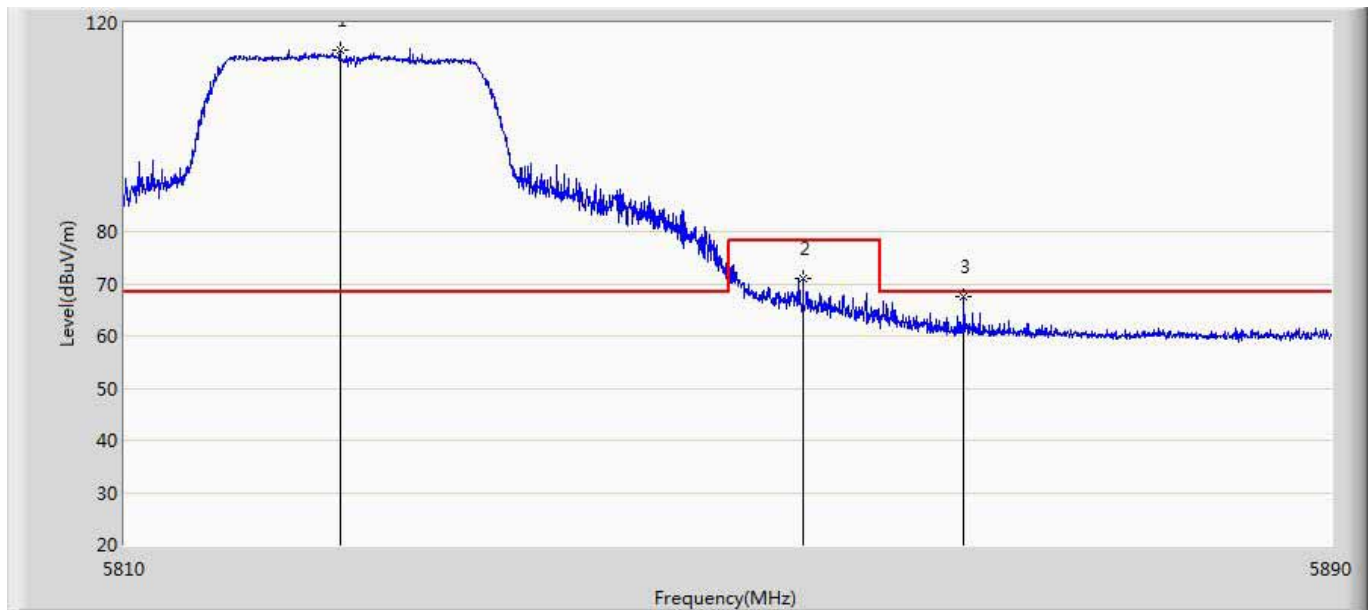
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.910	61.925	17.891	-6.375	68.300	44.034	PK
2		5718.210	61.346	17.288	-16.954	78.300	44.058	PK
3	*	5784.937	114.846	70.815	N/A	N/A	44.031	PK
4		5841.928	61.900	17.683	-6.400	68.300	44.217	PK
5		5856.790	61.884	17.546	-16.416	78.300	44.338	PK

Site: AC5	Time: 2016/04/18 - 17:58
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5785	



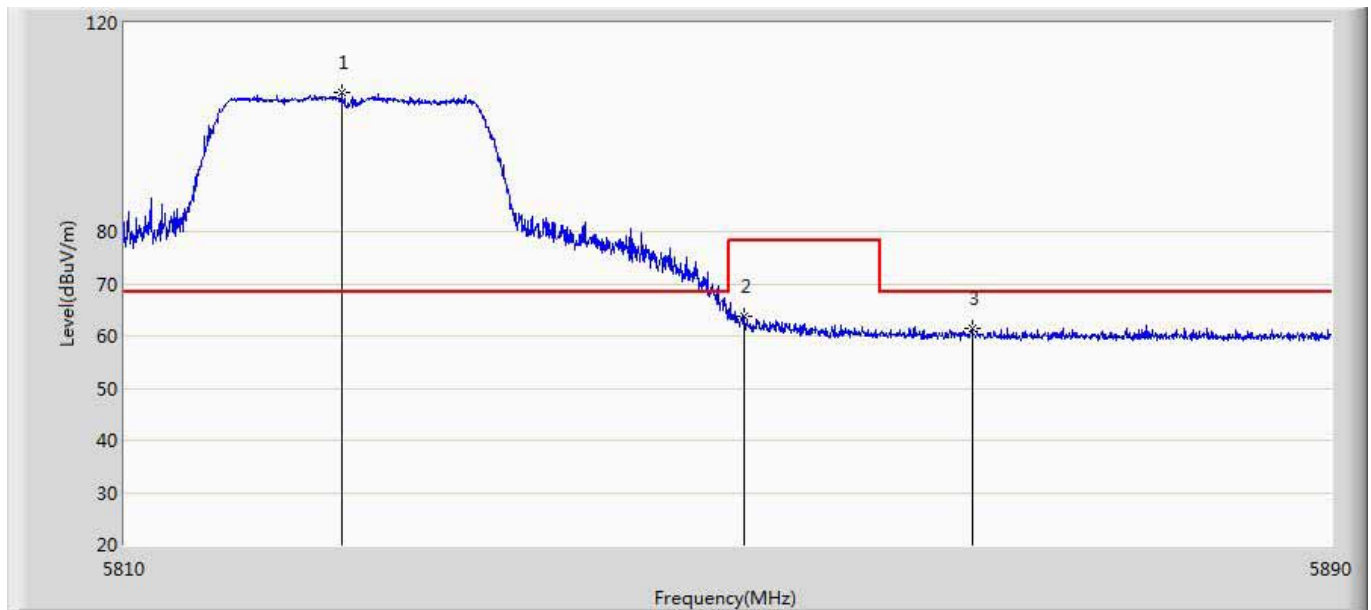
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.447	61.424	17.391	-6.876	68.300	44.033	PK
2		5720.567	60.255	16.190	-18.045	78.300	44.065	PK
3	*	5788.730	108.865	64.828	N/A	N/A	44.038	PK
4		5854.433	61.334	17.023	-16.966	78.300	44.311	PK
5		5870.627	61.730	17.293	-6.570	68.300	44.437	PK

Site: AC5	Time: 2016/04/18 - 18:03
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5825	



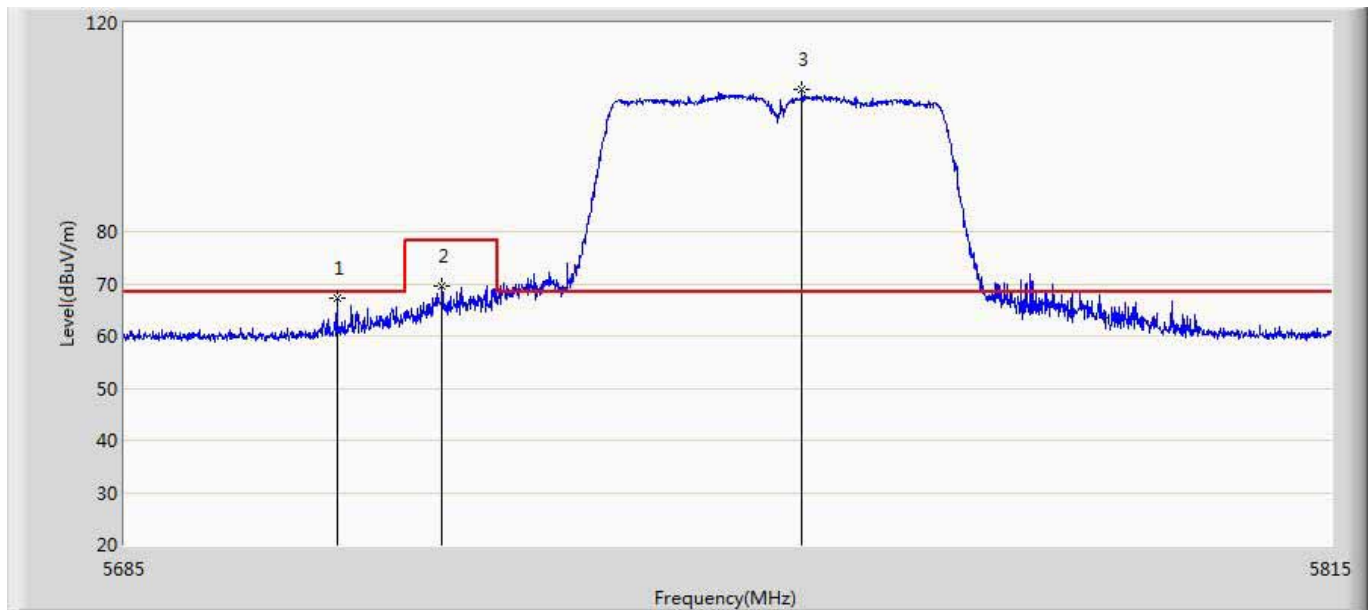
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5824.240	114.775	70.543	N/A	N/A	44.233	PK
2		5854.880	70.983	26.667	-7.317	78.300	44.317	PK
3		5865.560	67.607	23.193	-0.693	68.300	44.414	PK

Site: AC5	Time: 2016/04/18 - 18:04
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 2 Transmit at 802.11n20 CH5825	



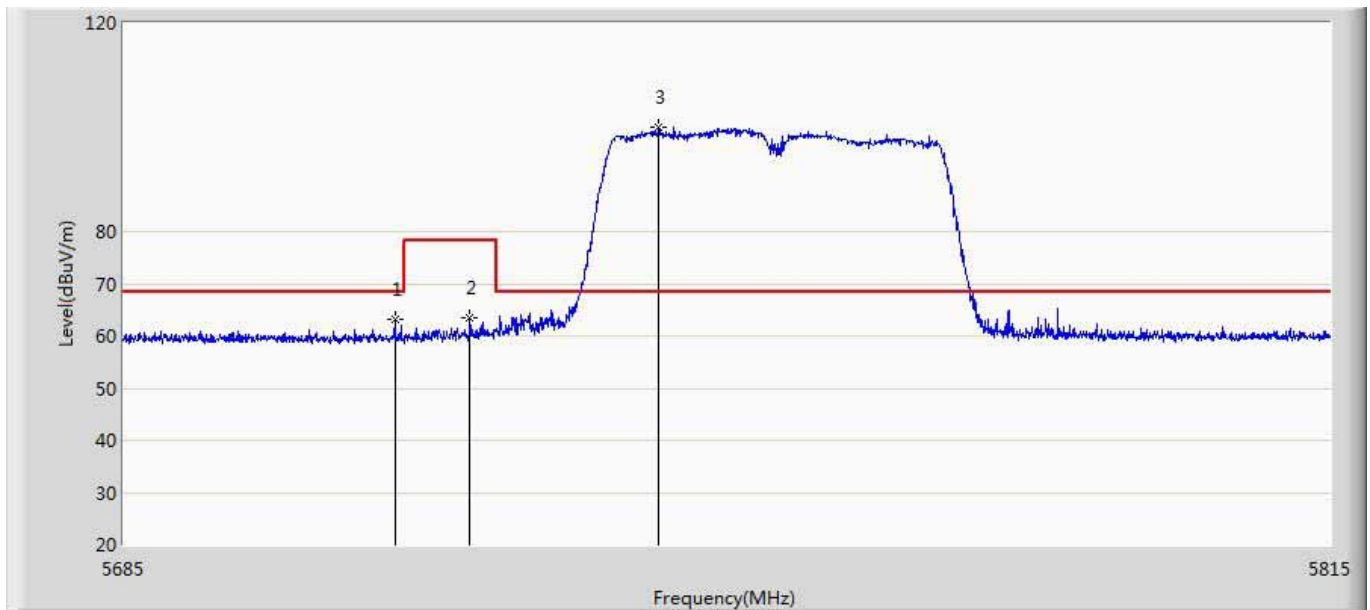
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5824.360	106.769	62.535	N/A	N/A	44.234	PK
2		5851.000	63.821	19.548	-14.479	78.300	44.272	PK
3		5866.080	61.555	17.139	-6.745	68.300	44.416	PK

Site: AC5	Time: 2016/04/18 - 18:09
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5755	



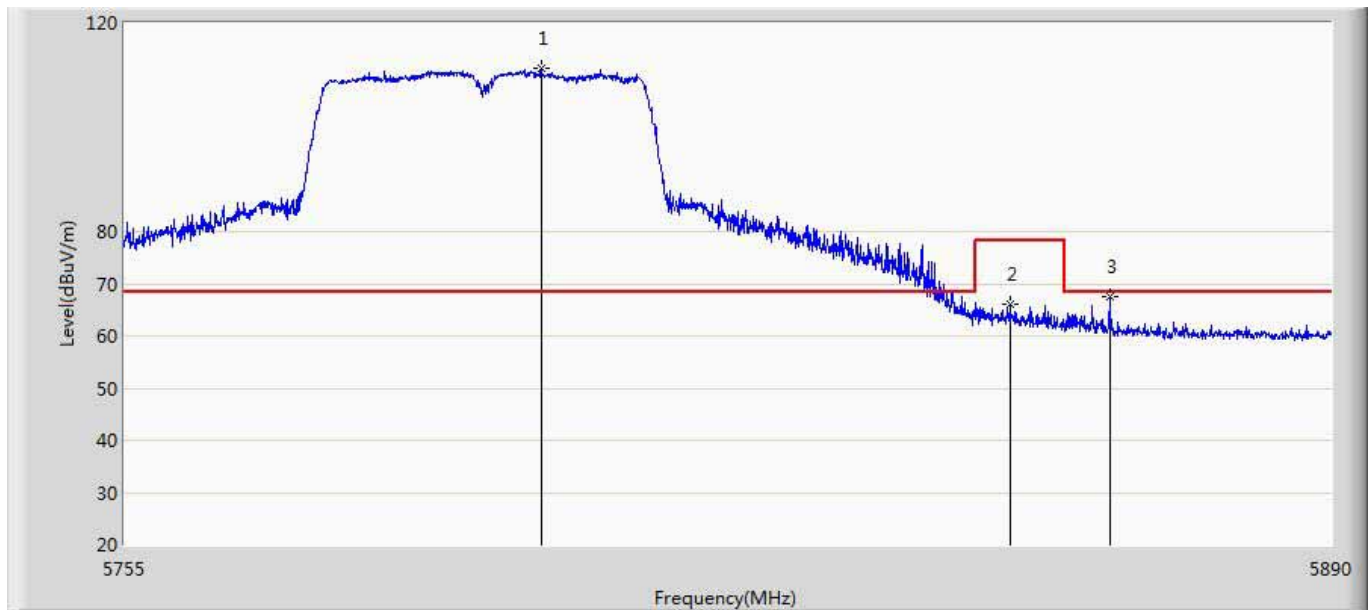
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.685	67.309	23.276	-0.991	68.300	44.033	PK
2		5718.995	69.668	25.608	-8.632	78.300	44.061	PK
3	*	5757.670	107.323	63.299	N/A	N/A	44.024	PK

Site: AC5	Time: 2016/04/18 - 18:10
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5755	



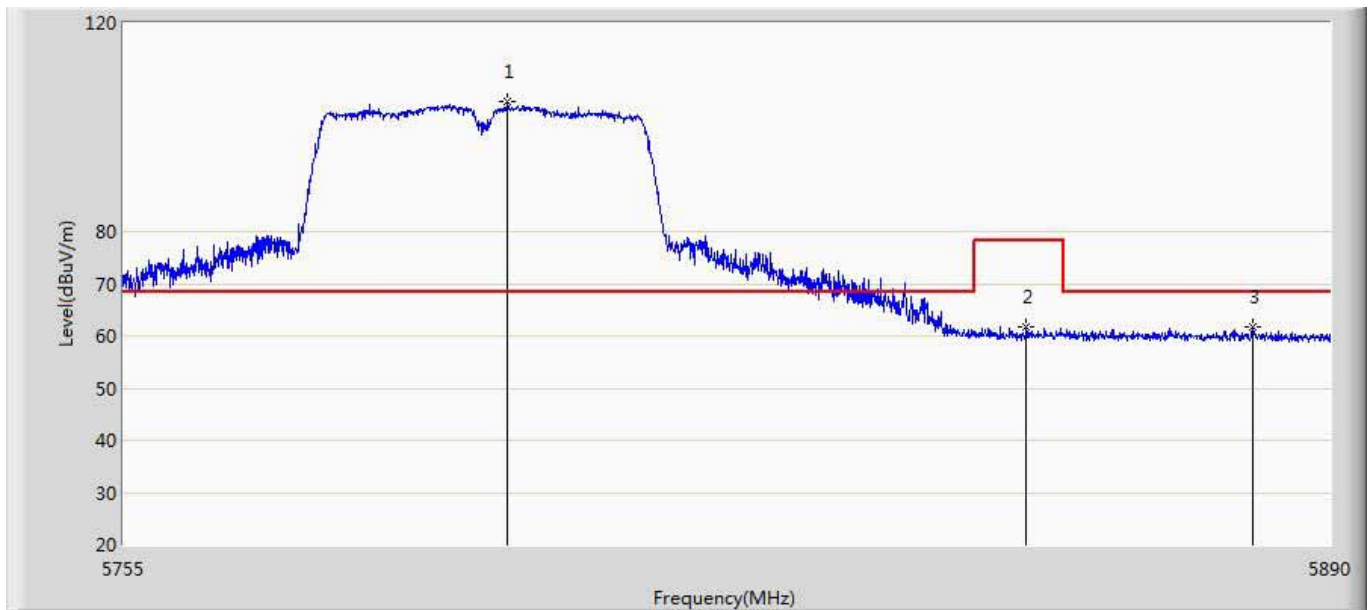
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.990	63.121	19.075	-5.179	68.300	44.046	PK
2		5722.050	63.443	19.374	-14.857	78.300	44.069	PK
3	*	5742.330	100.038	55.828	N/A	N/A	44.210	PK

Site: AC5	Time: 2016/04/18 - 18:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5795	



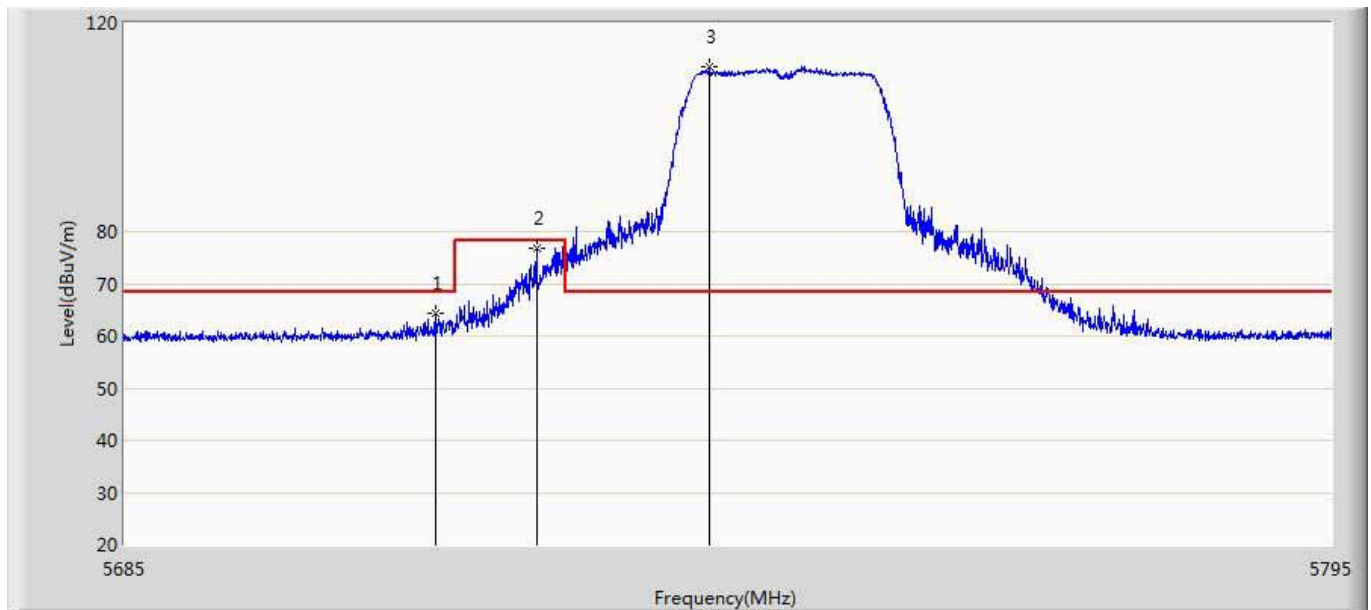
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5801.305	111.316	67.251	N/A	N/A	44.066	PK
2		5853.820	66.150	21.846	-12.150	78.300	44.304	PK
3		5865.025	67.503	23.092	-0.797	68.300	44.411	PK

Site: AC5	Time: 2016/04/18 - 18:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 3 Transmit at 802.11n40 CH5795	



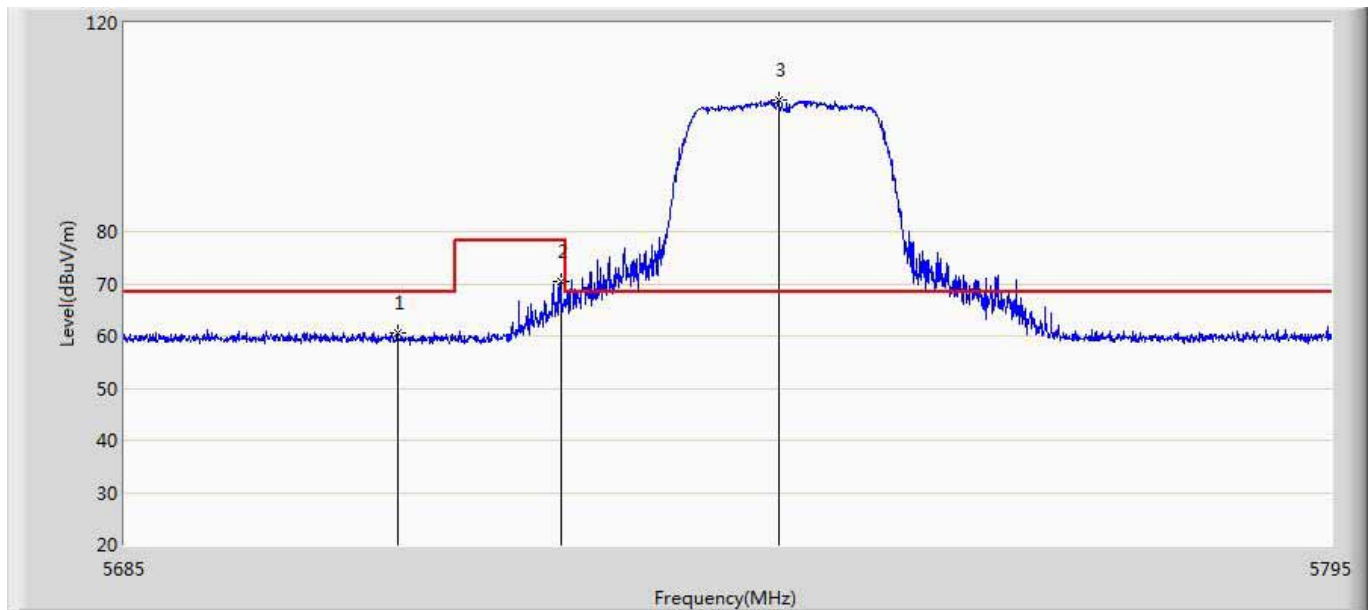
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5797.660	105.050	60.995	N/A	N/A	44.056	PK
2		5855.777	61.775	17.448	-16.525	78.300	44.326	PK
3		5881.225	61.684	17.227	-6.616	68.300	44.457	PK

Site: AC5	Time: 2016/04/18 - 18:17
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5745	



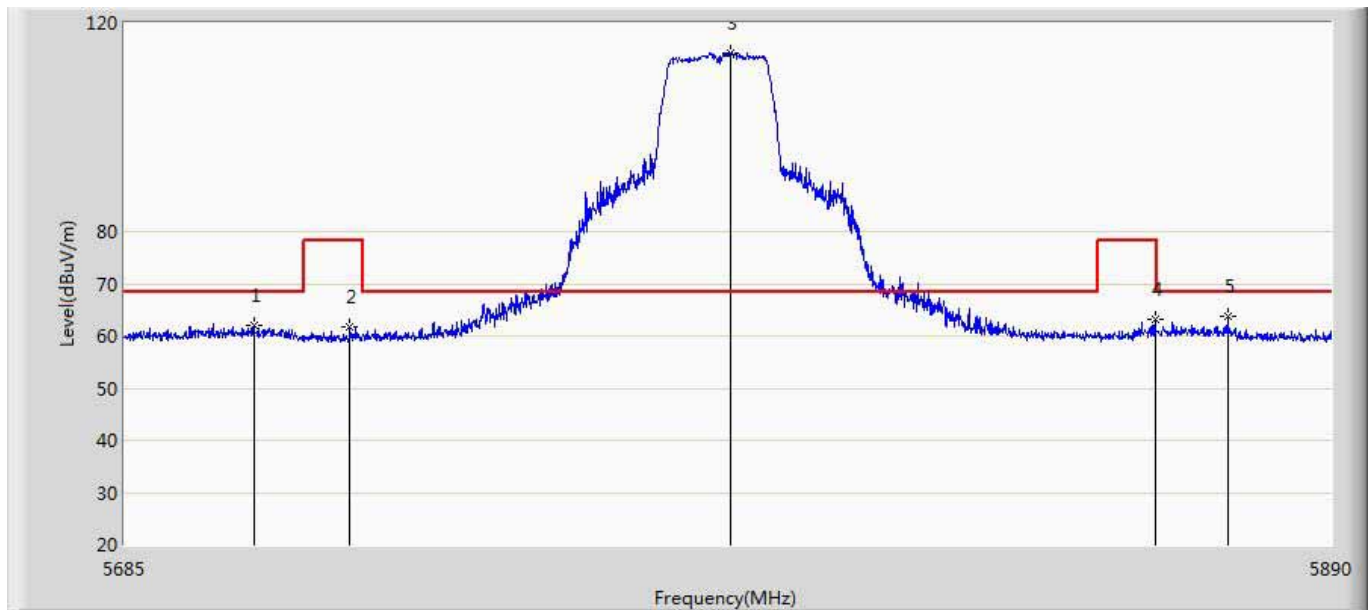
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.215	64.281	20.237	-4.019	68.300	44.044	PK
2		5722.345	76.945	32.875	-1.355	78.300	44.070	PK
3	*	5738.020	111.732	67.556	N/A	N/A	44.176	PK

Site: AC5	Time: 2016/04/18 - 18:19
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5745	



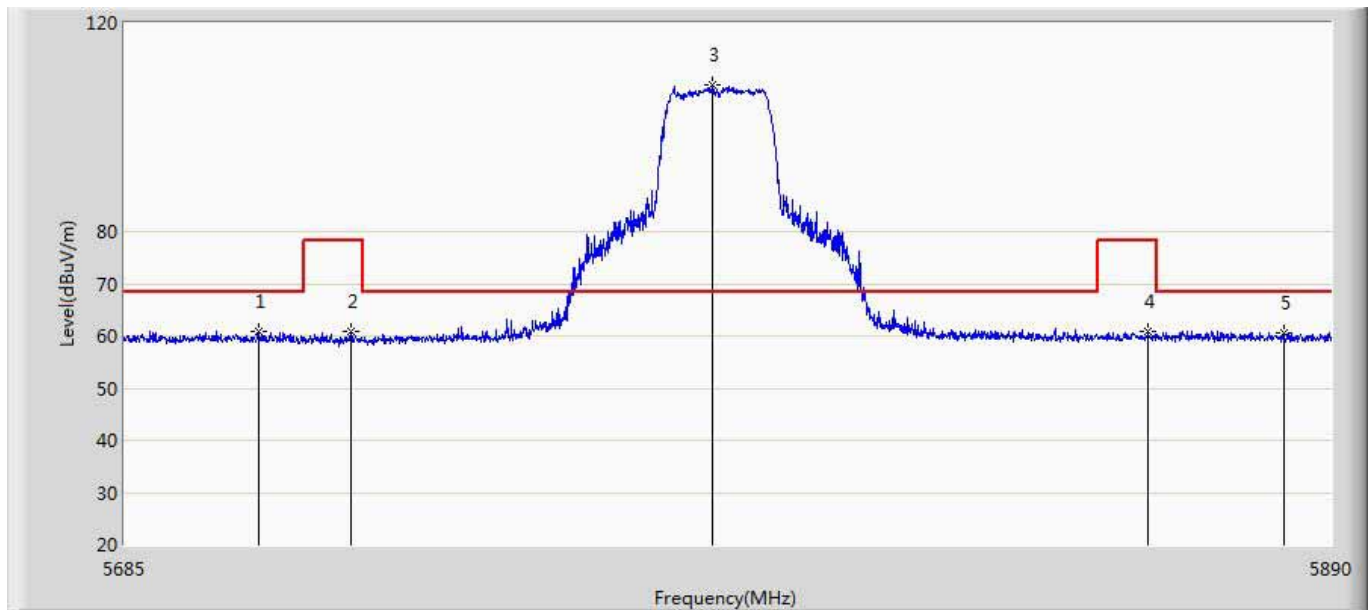
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.750	60.565	16.531	-7.735	68.300	44.034	PK
2		5724.545	70.417	26.341	-7.883	78.300	44.076	PK
3	*	5744.400	105.318	61.121	N/A	N/A	44.197	PK

Site: AC5	Time: 2016/04/18 - 18:20
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5785	



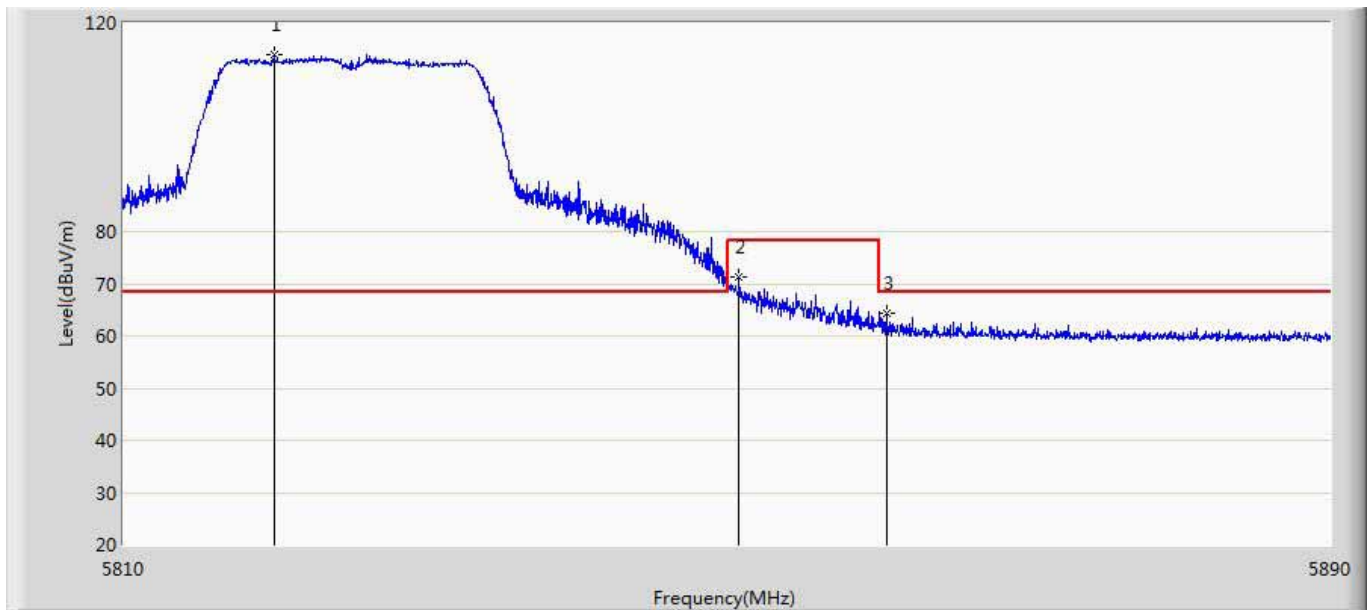
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5706.730	62.066	18.033	-6.234	68.300	44.034	PK
2		5722.822	61.668	17.597	-16.632	78.300	44.071	PK
3	*	5787.090	114.299	70.264	N/A	N/A	44.034	PK
4		5859.660	63.185	18.815	-15.115	78.300	44.371	PK
5		5872.165	63.707	19.262	-4.593	68.300	44.444	PK

Site: AC5	Time: 2016/04/18 - 18:22
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5785	



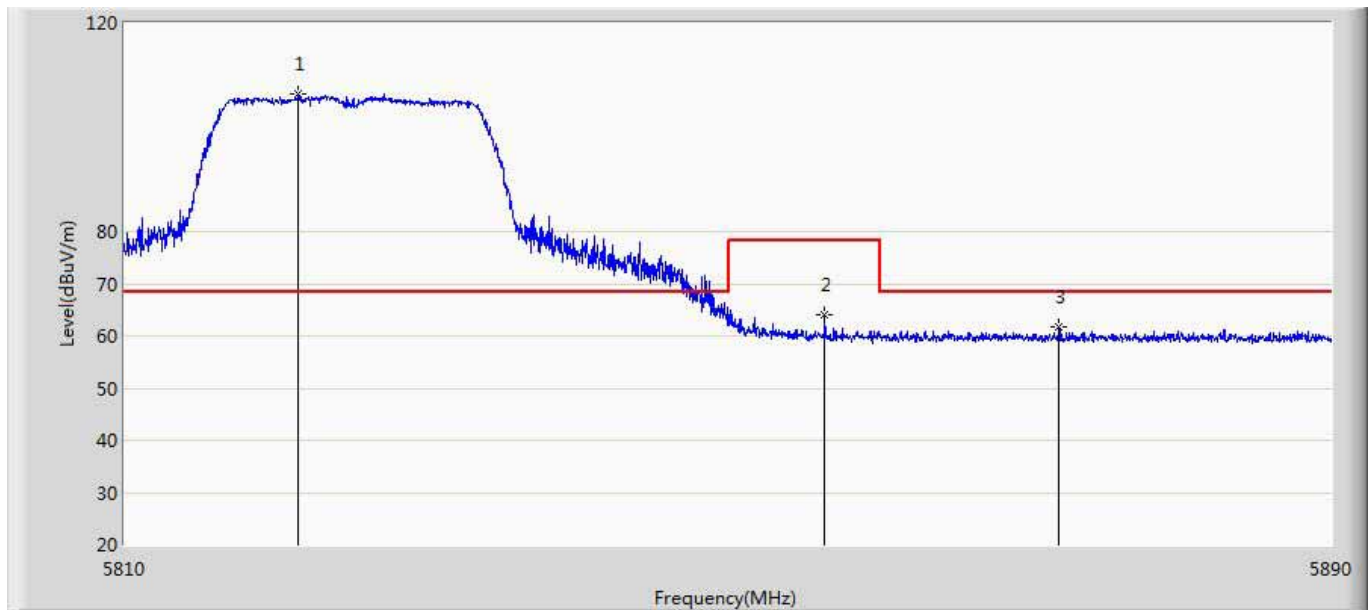
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.447	60.874	16.841	-7.426	68.300	44.033	PK
2		5722.925	60.920	16.849	-17.380	78.300	44.072	PK
3	*	5784.118	108.037	64.007	N/A	N/A	44.030	PK
4		5858.533	60.735	16.377	-17.565	78.300	44.358	PK
5		5881.902	60.538	16.087	-7.762	68.300	44.451	PK

Site: AC5	Time: 2016/04/18 - 18:23
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5825	



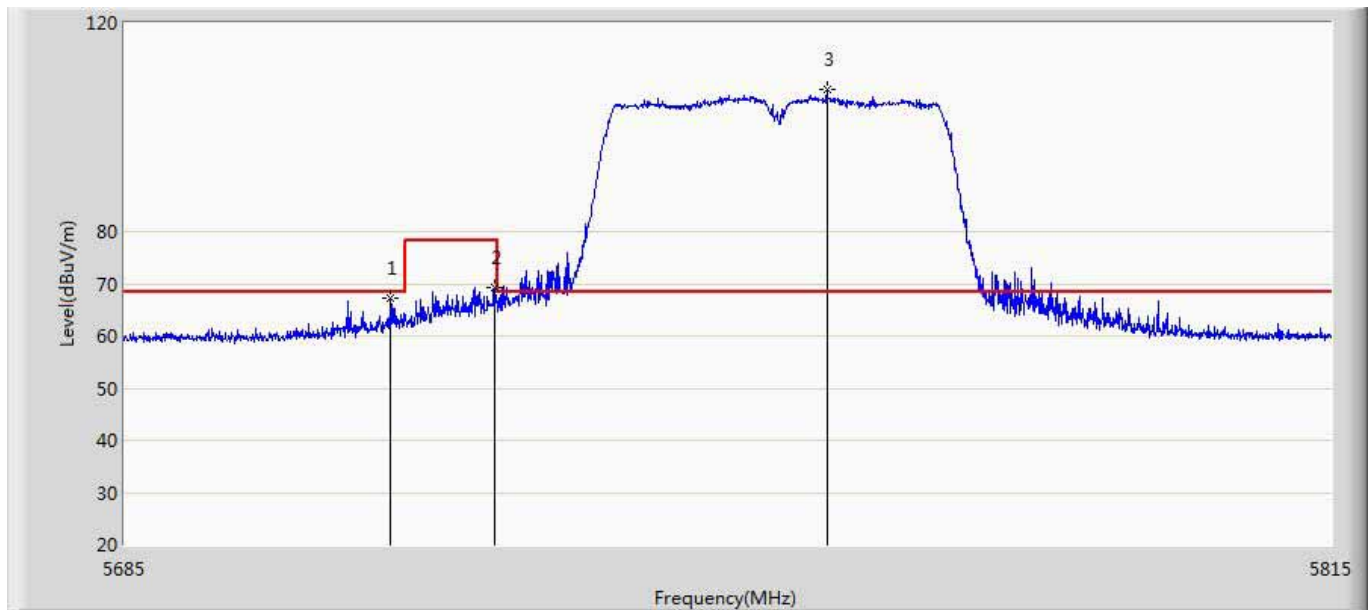
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5819.920	113.774	69.587	N/A	N/A	44.187	PK
2		5850.680	71.416	27.147	-6.884	78.300	44.269	PK
3		5860.480	64.449	20.069	-3.851	68.300	44.380	PK

Site: AC5	Time: 2016/04/18 - 18:25
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 4 Transmit at 802.11ac20 CH5825	



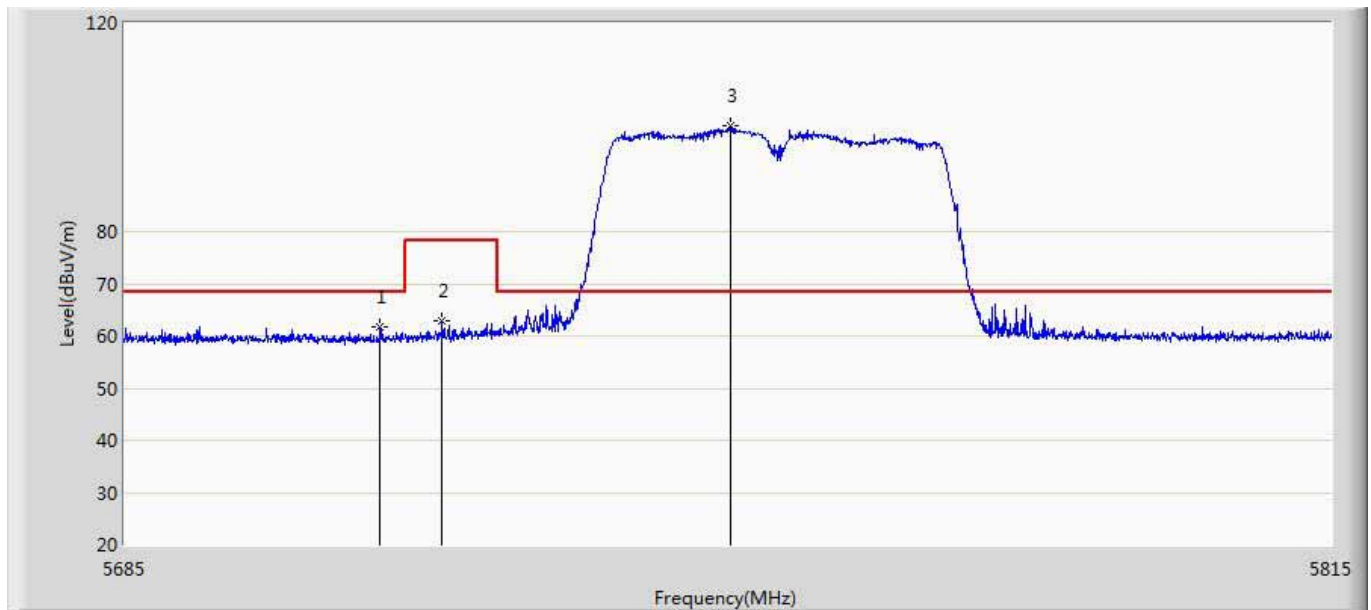
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5821.480	106.267	62.064	N/A	N/A	44.203	PK
2		5856.320	64.002	19.669	-14.298	78.300	44.333	PK
3		5871.880	61.771	17.328	-6.529	68.300	44.443	PK

Site: AC5	Time: 2016/04/18 - 18:28
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5755	



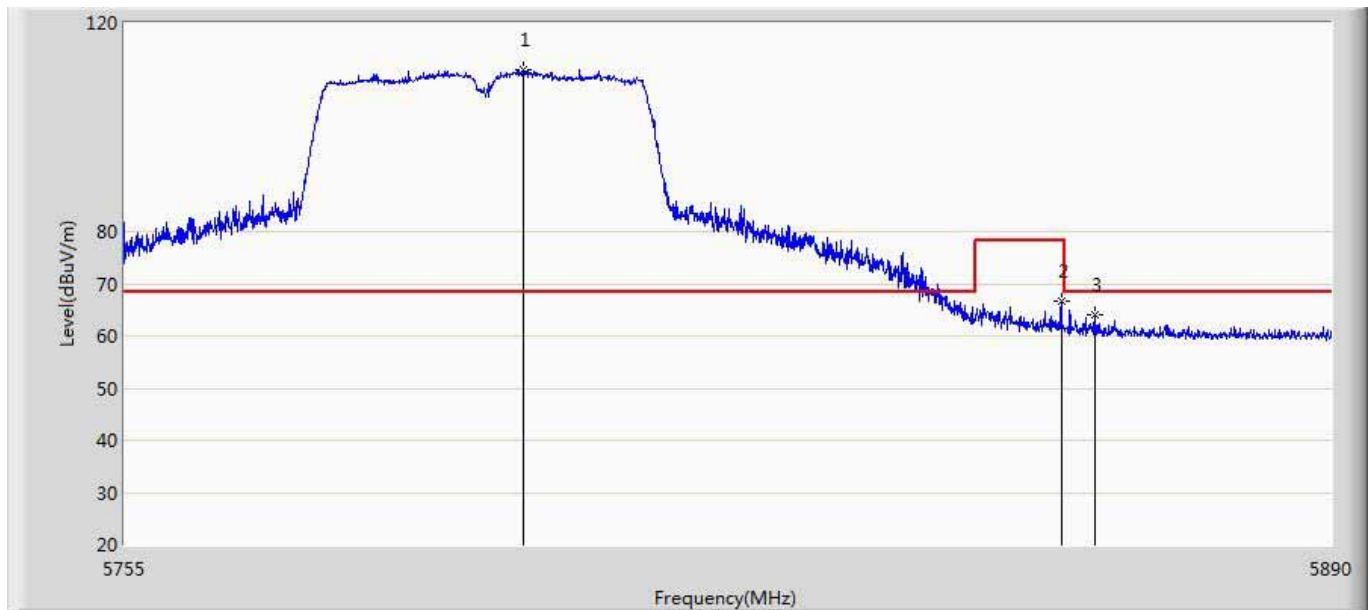
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.470	67.341	23.296	-0.959	68.300	44.045	PK
2		5724.585	69.313	25.237	-8.987	78.300	44.076	PK
3	*	5760.400	107.265	63.271	N/A	N/A	43.995	PK

Site: AC5	Time: 2016/04/18 - 18:28
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5755	



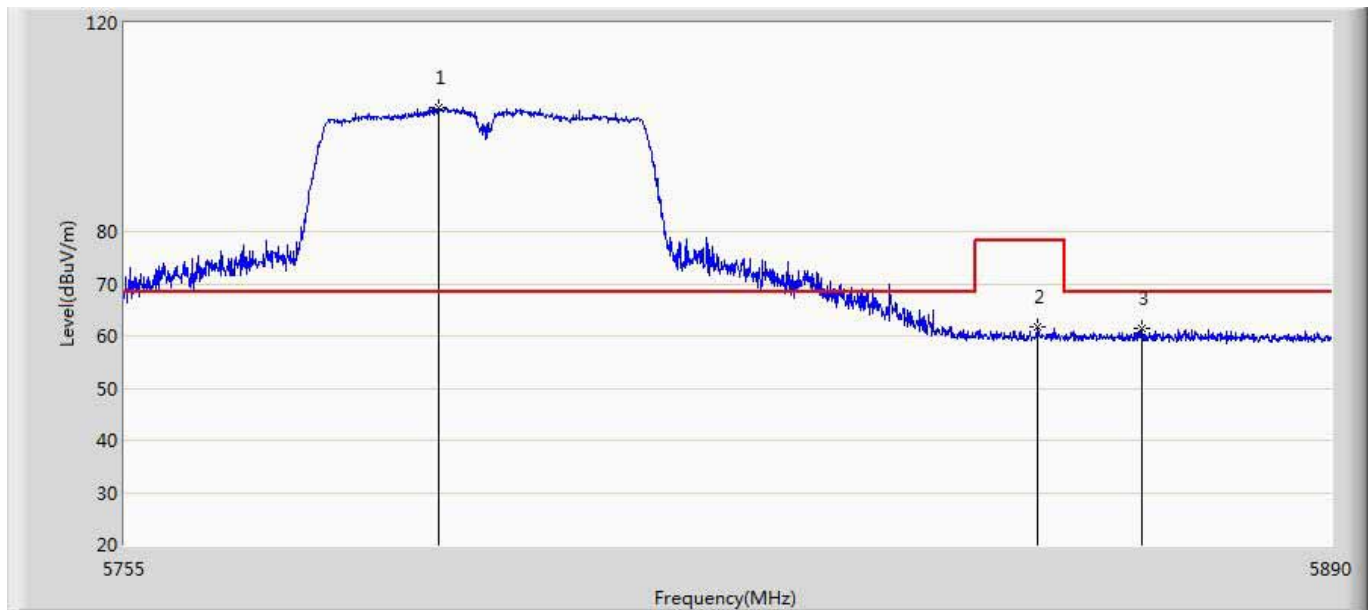
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.300	61.833	17.792	-6.467	68.300	44.041	PK
2		5718.995	62.917	18.857	-15.383	78.300	44.061	PK
3	*	5750.000	100.397	56.273	N/A	N/A	44.124	PK

Site: AC5	Time: 2016/04/18 - 18:30
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5795	



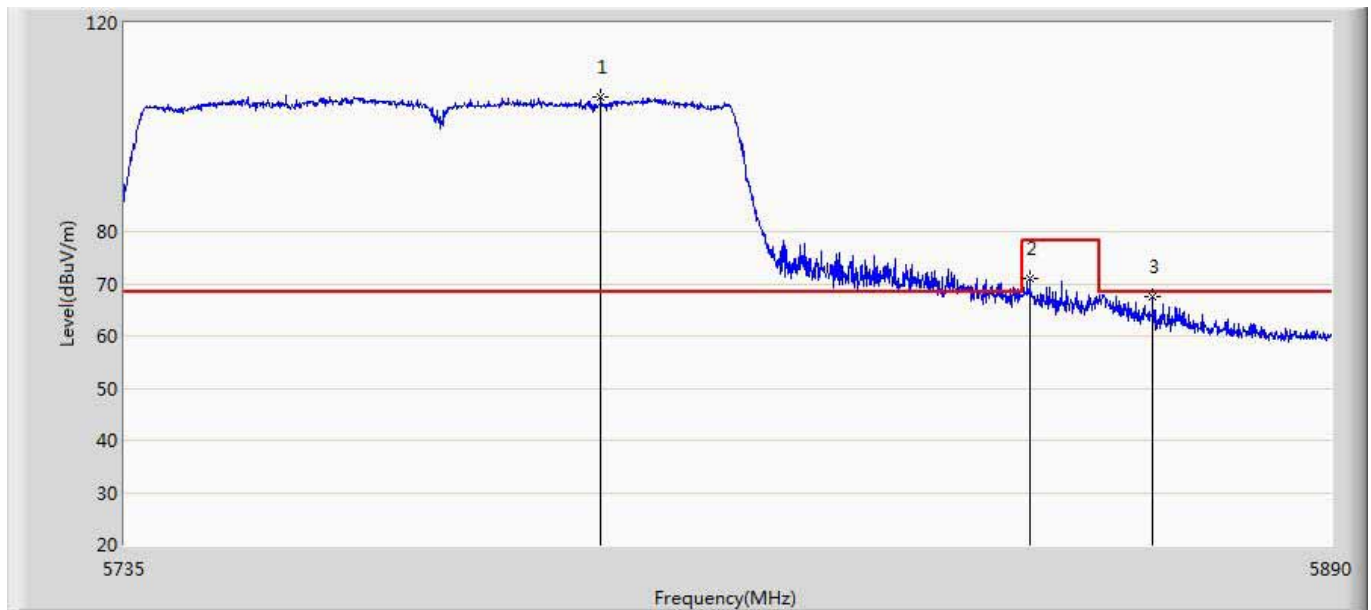
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5799.348	111.158	67.098	N/A	N/A	44.060	PK
2		5859.558	66.752	22.383	-11.548	78.300	44.370	PK
3		5863.337	64.101	19.698	-4.199	68.300	44.403	PK

Site: AC5	Time: 2016/04/18 - 18:31
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 5 Transmit at 802.11ac40 CH5795	



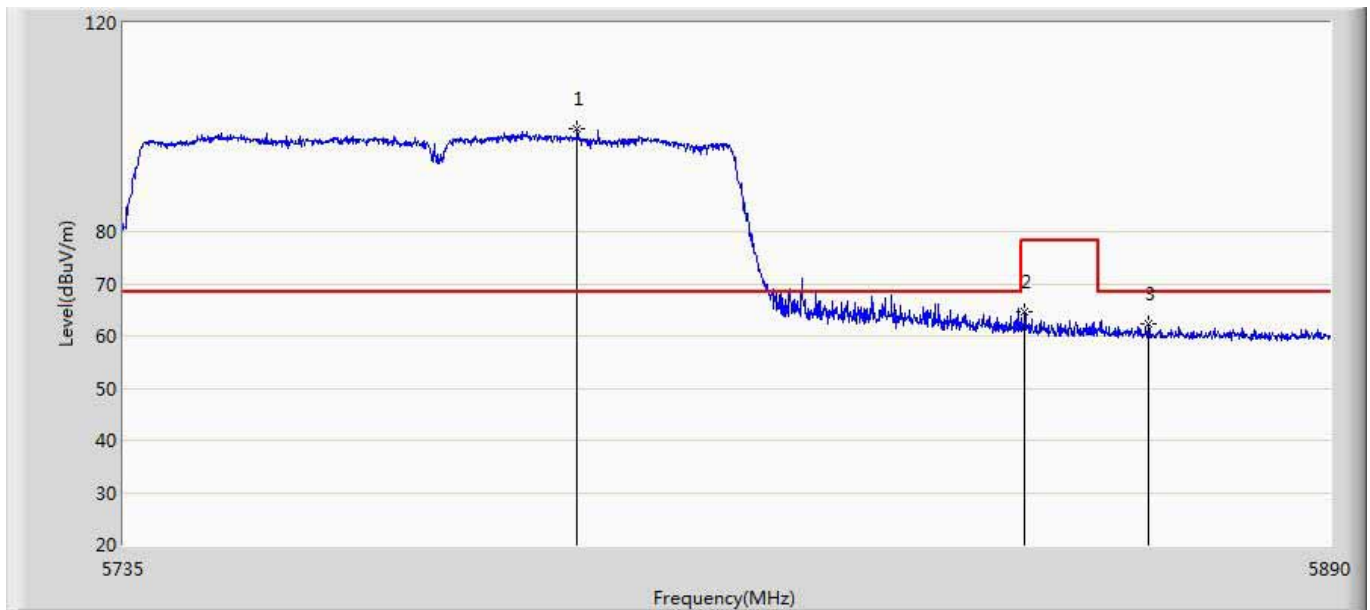
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5789.965	103.797	59.758	N/A	N/A	44.039	PK
2		5856.925	61.698	17.358	-16.602	78.300	44.340	PK
3		5868.603	61.495	17.067	-6.805	68.300	44.428	PK

Site: AC5	Time: 2016/04/18 - 18:42
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5795	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5795.760	105.805	61.755	N/A	N/A	44.050	PK
2		5850.940	70.894	26.622	-7.406	78.300	44.272	PK
3		5866.828	67.677	23.257	-0.623	68.300	44.420	PK

Site: AC5	Time: 2016/04/18 - 18:42
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC1200 Wireless Dual Band Gigabit Access Point	Power: AC 120V/60Hz
Note: Mode 6 Transmit at 802.11ac80 CH5795	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5792.815	99.615	55.571	N/A	N/A	44.043	PK
2		5850.397	64.719	20.453	-13.581	78.300	44.266	PK
3		5866.518	62.323	17.905	-5.977	68.300	44.418	PK

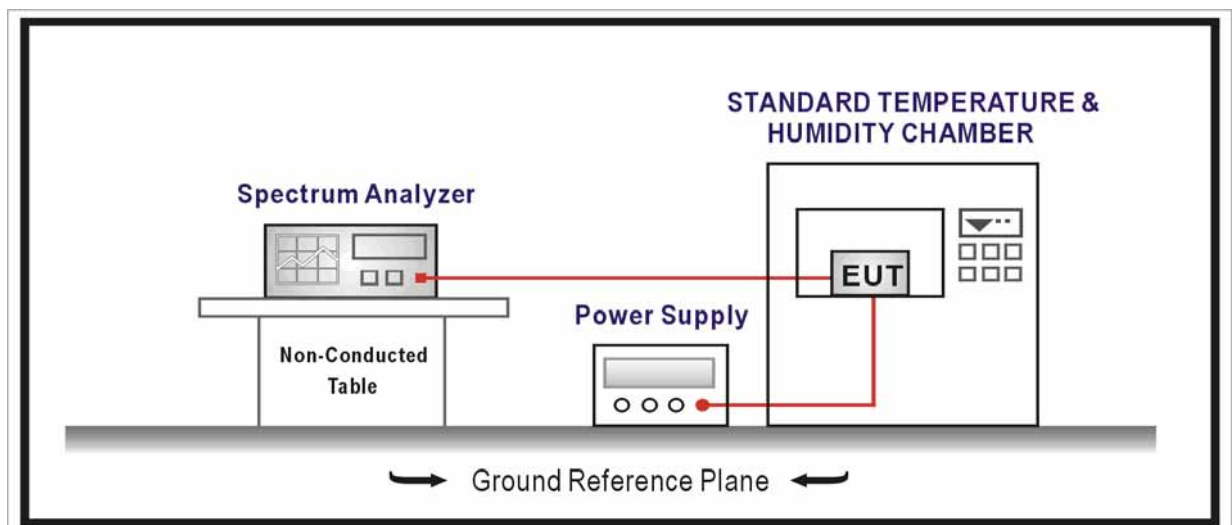
10. Frequency Stability

10.1. Test Equipment

Frequency Stability / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.01.08	2017.01.07
AC Power Supply	IDRC	CF-500TP	979422	2015.09.17	2016.09.16
DC Power Supply	IDRC	CD-035-020PR	977272	2015.09.17	2016.09.16
Programmable Temperature & Humidity Chamber	Gaoyu	TH-1P-B	WIT-05121302	2016.01.08	2017.01.07
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

Frequency Stability Limit	
UNII Devices	
☒	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
IEEE Std. 802.11n-2009	
☒	The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

10.4. Test Procedure

Frequency Stability Test Method			
	References Rule	Chapter	Description
☒	ANSI C63.10	6.8	Frequency stability tests
	☒ ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	☒ ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

10.5. Uncertainty

The measurement uncertainty is defined as ± 100 Hz

10.6. EUT test Axis definition

Item	Frequency Stability		
Device Category	☒	Fixed position use	
	☐	Mobile position use	
Test mode	Mode 1 ~ Mode 6		
	☒	Conducted	
	☐	Chain 0	
			
	☒	Chain 0	Chain 1
			
	☐	Chain 0	Chain 1
			

10.7. Test Result

Product	:	AC1200 Wireless Dual Band Gigabit Access Point
Test Item	:	Frequency Stability
Test Site	:	TR-8
Test Mode	:	Carrier Transmit

Frequency Stability under Temperature

Temperature Interval ()	Test Frequency (MHz)	Deviation (Hz)
0	5200.000	214
10	5200.000	-116
20	5200.000	-88
30	5200.000	118
40	5200.000	100

Frequency Stability under Voltage

AC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)
102	5200.000	141
120	5200.000	104
138	5200.000	109

_____ The End _____