Test Report

FCC Part15 Subpart C

Product Name	:	300Mbps Wireless N Outdoor Access Point
Model No.	:	CAP300-Outdoor
FCC ID	:	TE7CAP300OD

Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

Date of Receipt	:	Dec. 15th, 2016
Test Date	:	Dec. 15th, 2016~ Mar. 06th, 2017
Issued Date	:	Apr. 11th, 2017
Report No.	:	16C2083R-RF-US-P06V01
Report Version	:	V1.1

Test Report Certification

Issued Date : Apr. 11th, 2017
Report No. : 16C2083R-RF-US-P06V01

Product Name	:	300Mbps Wireless N Outdoor Access Point
Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Model No.	:	CAP300-Outdoor
FCC ID	:	TE7CAP300OD
EUT Voltage	:	PoE 36-57V, 0.35A
Test Voltage	:	AC 120V/60Hz
Brand Name	:	TP-Link
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C ANSI C63.4:2014; ANSI C63.10:2013; KDB 558074 D01v03r05 KDB 662911 D01 Multiple Transmitter Output v02r01
Test Result	:	Complied
Performed Location	:	DEKRA Testing and Certification (Suzhou) Co., Ltd. Corporation No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Registration Number: 800392

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Reviewed By : Jack Zhang

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Approved By : Harry Zhao

(Engineering Manager: Harry Zhao)

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
16C2083R-RF-US-P06V01	V1.0	Initial Issued Report	Mar. 27th, 2017
16C2083R-RF-US-P06V01	V1.1	Modified setup photo P9,10,15	Apr.11th, 2017

1. General Information

1.1. EUT Description

Product Name	300Mbps Wireless N Outdoor Access Point
Brand Name	TP-Link
Model No.	CAP300-Outdoor
EUT Voltage	PoE 36-57V, 0.35A
Frequency Range	For 2.4GHz Band 802.11b/g/n(20MHz): 2412~2462MHz 802.11n(40MHz): 2422~2452MHz
Channel Number	For 2.4GHz Band 802.11b/g/n(20MHz): 11 802.11n(40MHz): 7
Type of Modulation	802.11b: DSSS
	802.11g: OFDM
Data Rate	802.11g: 6/9/12/18/24/36/48/54 Mbps
	802.11b: 1/2/5.5/11 Mbps
	802.11n: up to 300 Mbps
Channel Control	Auto

1.2. Working Frequency of Each Channel:

802.11b/g/n(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	N/A	N/A
802.11n(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz	N/A	N/A

1.3. Antenna information

Model No.	N/A					
Antenna manufacturer	TP-Link					
Antenna Delivery	☐	1*TX+1*RX	☒	2*TX+2*RX	☐	3*TX+3*RX
Antenna technology	☐	SISO				
	☒	MIMO	☐	Basic		
			☒	CDD		
			☐	Sectorized		
			☐	Beam-forming		
Antenna Type	☒	External	☒	Dipole		
			☐	Sectorized		
	☐	Internal	☐	PIFA		
			☐	PCB		
			☐	Ceramic Chip Antenna		
			☐	Metal plate type F antenna		

Antenna Technology	Ant Gain (dBi)	Directional Gain (dBi)	
		For Power	For PSD
☒ CDD	Ant1:5 Ant2: 5	5	8

1.4. Mode of Operation

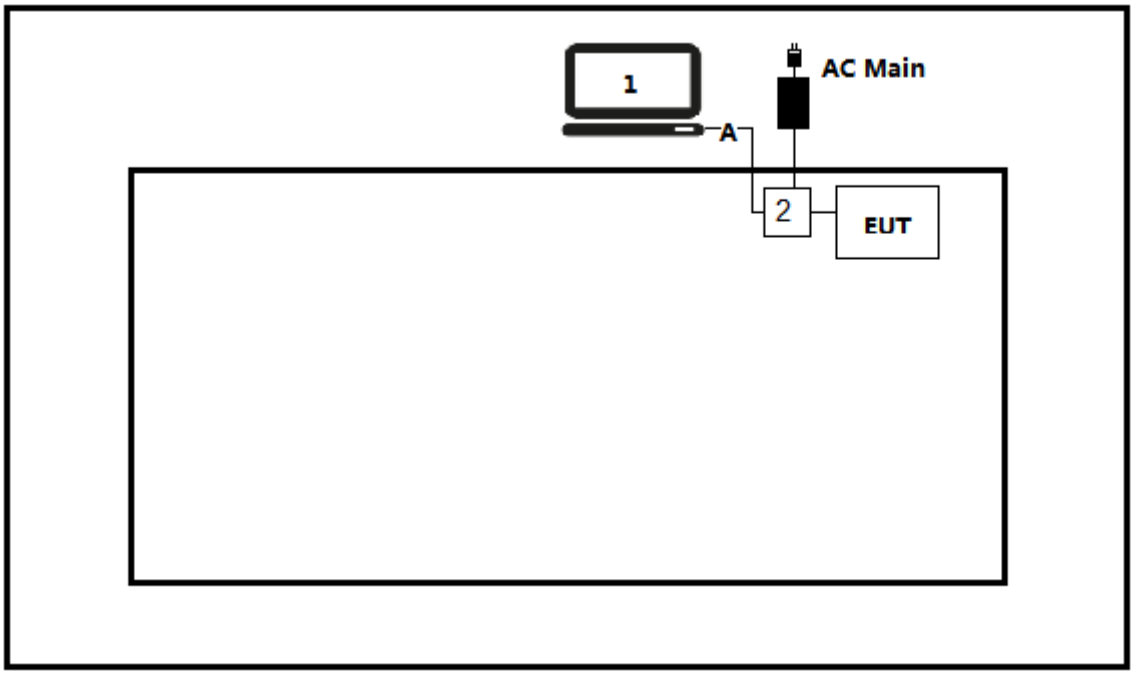
Test Modes List
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g
Mode 3: Transmit by 802.11n(20MHz)
Mode 4: Transmit by 802.11n(40MHz)

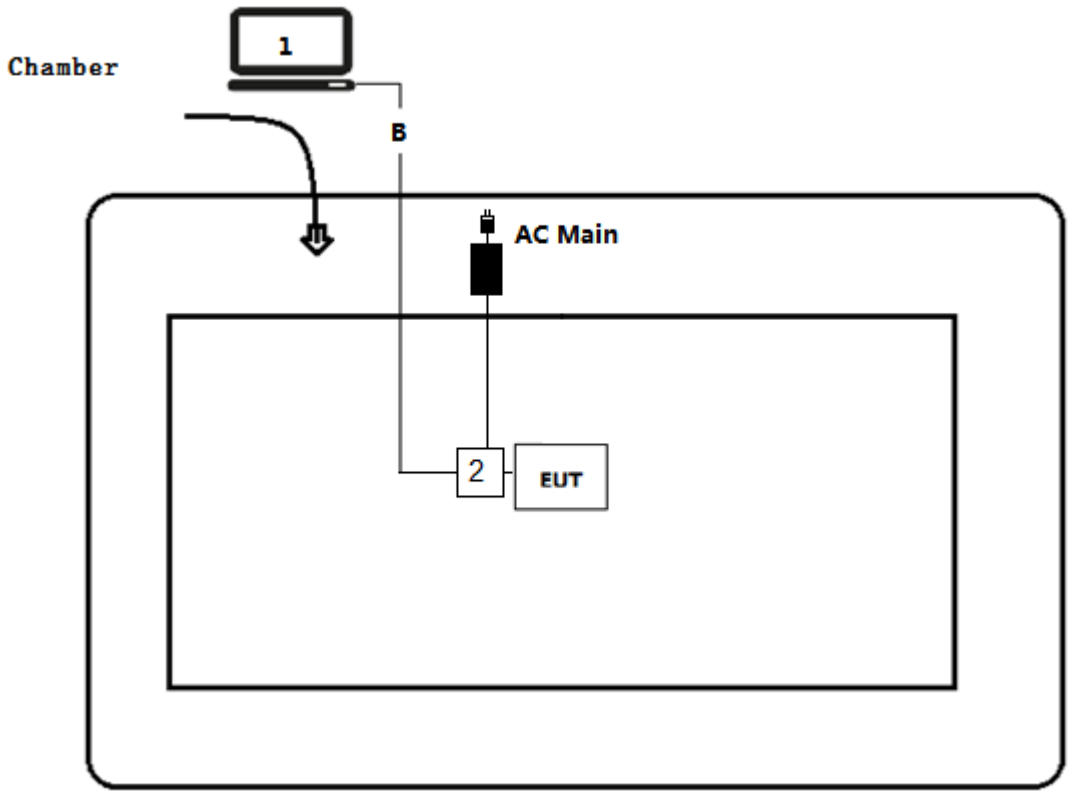
1.5. Tested System Details

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

No.	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
2	POE	TP-Link	N/A	N/A	N/A
A	LAN cable	N/A	N/A	N/A	Non-shielded,1.5m
B	LAN cable	N/A	N/A	N/A	Non-shielded,10m

1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test


Test setup Diagram- Radiated Emission


2. Technical Test

2.1. Summary of Test Result

Performed Test Item	Normative References	Limit	Result
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.207	FCC 15.207	PASS
Emissions in restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.209	FCC 15.209	PASS
Emissions in non-restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(d)	≥30dBc	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2015 15.247(d)	FCC 15.209	PASS
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(a)(2)	≥500kHz	PASS
Fundamental emission output power	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(b)(3)	≤30dBm	PASS
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.247(e)	≤8dBm/3kHz	PASS
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.203	FCC 15.203	PASS

2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11b	01	2412 MHz	06	2437 MHz	11	2462MHz
802.11g	01	2412 MHz	06	2437 MHz	11	2462MHz
802.11n(20MHz)	01	2412 MHz	06	2437 MHz	11	2462MHz
802.11n(40MHz)	03	2422 MHz	06	2437 MHz	09	2452MHz

2.3. Power setting parameter

Test Software	CART			
Modulation Mode	Test Frequency	Ant 1	Ant 2	Ant 1+2
802.11b	2412	N/A	N/A	18
	2417	N/A	N/A	21
	2437	N/A	N/A	23
	2457	N/A	N/A	20
	2462	N/A	N/A	18
802.11g	2412	N/A	N/A	17
	2417	N/A	N/A	19
	2437	N/A	N/A	22
	2457	N/A	N/A	18
	2462	N/A	N/A	16
802.11n(20MHz)	2412	N/A	N/A	16
	2417	N/A	N/A	18
	2437	N/A	N/A	23
	2457	N/A	N/A	18
	2462	N/A	N/A	16
802.11n(40MHz)	2422	N/A	N/A	12
	2427	N/A	N/A	13
	2437	N/A	N/A	17
	2447	N/A	N/A	13
	2452	N/A	N/A	11

2.4. Power vs Data Rate

MCS Index for 802.11n	Spatial Streams	Data Rate (Mbps)						
		802.11b	802.11g		20MHz Bandwidth		40MHz Bandwidth	
					800ns GI	400ns GI	800ns GI	400ns GI
0	1	1	6	---	6.5	7.2	13.5	15.0
1	1	2	9	---	13.0	14.4	27.0	30.0
2	1	5.5	12	---	19.5	21.7	40.5	45.0
3	1	11	18	---	26.0	28.9	54.0	60.0
4	1	---	24	---	39.0	43.3	81.0	90.0
5	1	---	36	---	52.0	57.8	108.0	120.0
6	1	---	48	---	58.5	65.0	121.5	135.0
7	1	---	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

Note 2 : The EUT has two spatial Streams

2.5. 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

2.6. Measurement Uncertainty

Test Items	Uncertainty
AC Power Line Conducted Emission	±2.02dB
Radiated Emission	Below 1GHz ±3.8 dB
	Above 1GHz ±3.9 dB
RF Antenna Port Conducted Emission	±1.27dB
Radiated Emission Band Edge	±3.9dB
Occupied Bandwidth	±1kHz
Power Spectral Density	±1.27dB

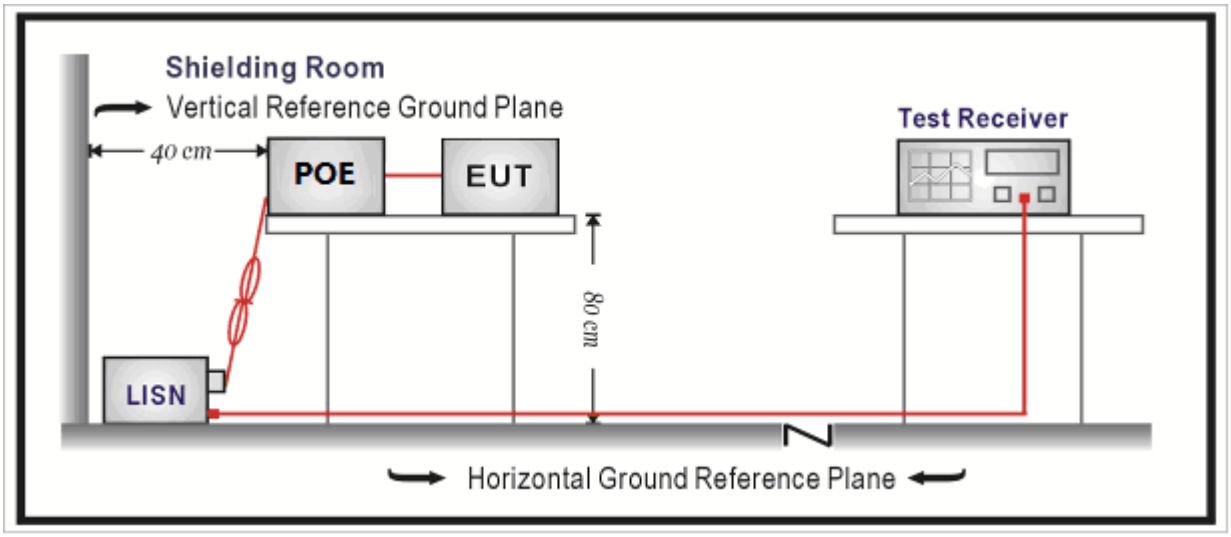
3. AC Power Line Conducted Emission

3.1. Test Equipment

AC Power Line 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	2016.09.17	2017.09.16
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2017.03.02	2018.03.01
50ohm Termination	SHX	TF2	07081401	2016.09.17	2017.09.16
Temperature/Humidity Meter	zhichen	ZC1-2	TR1-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

3.2. Test Setup

AC Power Line Conducted Emission test setup



3.3. Limit

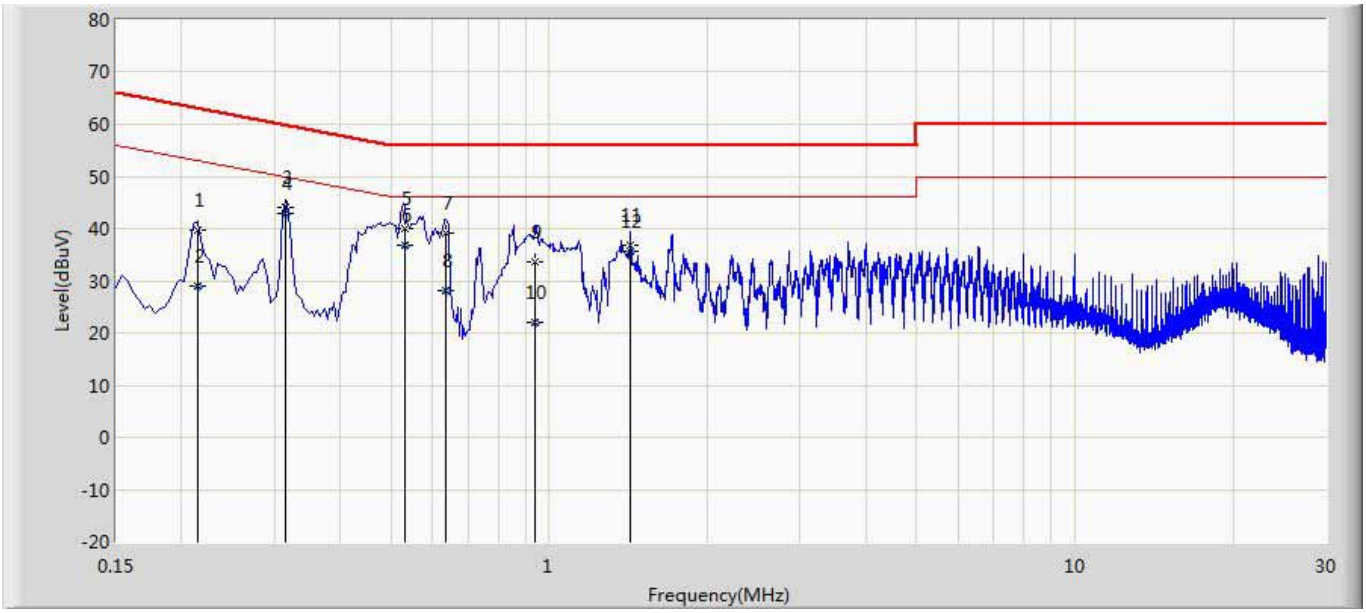
Frequency of Emission (MHz)	Conducted Limit	
	Quasi-peak (dB μ V)	Average(dB μ V)
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 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. Test Result

Site: TR1	Time: 2017/01/03
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-L1	Polarity: Line
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1	

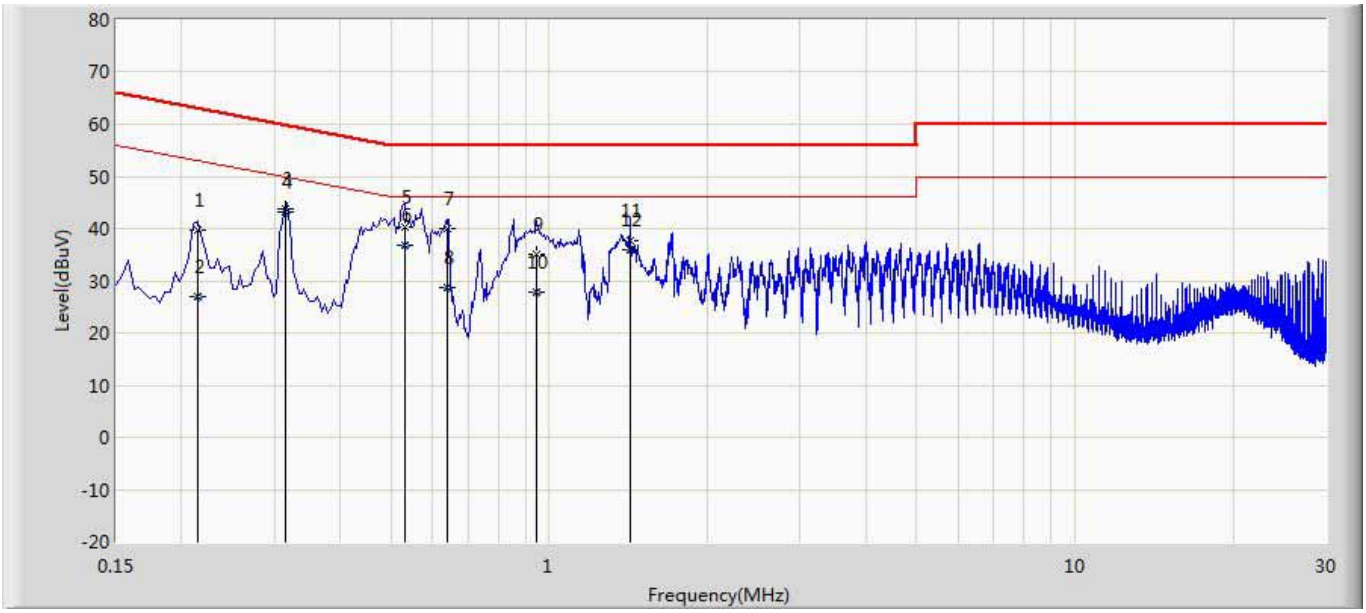


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.214	39.595	29.745	-23.454	63.049	9.650	0.200	0.000	QP
2		0.214	29.115	19.265	-23.934	53.049	9.650	0.200	0.000	AV
3		0.314	43.936	34.096	-15.928	59.864	9.640	0.200	0.000	QP
4	*	0.314	43.036	33.196	-6.828	49.864	9.640	0.200	0.000	AV
5		0.530	39.960	30.130	-16.040	56.000	9.630	0.200	0.000	QP
6		0.530	36.941	27.111	-9.059	46.000	9.630	0.200	0.000	AV
7		0.634	39.062	29.242	-16.938	56.000	9.620	0.200	0.000	QP
8		0.634	28.105	18.285	-17.895	46.000	9.620	0.200	0.000	AV
9		0.942	33.669	23.839	-22.331	56.000	9.630	0.200	0.000	QP
10		0.942	22.027	12.197	-23.973	46.000	9.630	0.200	0.000	AV
11		1.426	36.689	26.859	-19.311	56.000	9.630	0.200	0.000	QP
12		1.426	35.522	25.692	-10.478	46.000	9.630	0.200	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: TR1	Time: 2017/01/03
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216-N	Polarity: Neutral
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.214	39.817	29.957	-23.232	63.049	9.660	0.200	0.000	QP
2		0.214	26.896	17.036	-26.153	53.049	9.660	0.200	0.000	AV
3		0.314	43.900	34.050	-15.964	59.864	9.650	0.200	0.000	QP
4	*	0.314	43.045	33.195	-6.819	49.864	9.650	0.200	0.000	AV
5		0.530	40.156	30.326	-15.844	56.000	9.630	0.200	0.000	QP
6		0.530	36.835	27.005	-9.165	46.000	9.630	0.200	0.000	AV
7		0.638	39.880	30.040	-16.120	56.000	9.640	0.200	0.000	QP
8		0.638	28.765	18.925	-17.235	46.000	9.640	0.200	0.000	AV
9		0.946	35.022	25.192	-20.978	56.000	9.630	0.200	0.000	QP
10		0.946	27.923	18.093	-18.077	46.000	9.630	0.200	0.000	AV
11		1.426	37.606	27.776	-18.394	56.000	9.630	0.200	0.000	QP
12		1.426	35.949	26.119	-10.051	46.000	9.630	0.200	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

4. Emissions in restricted frequency bands

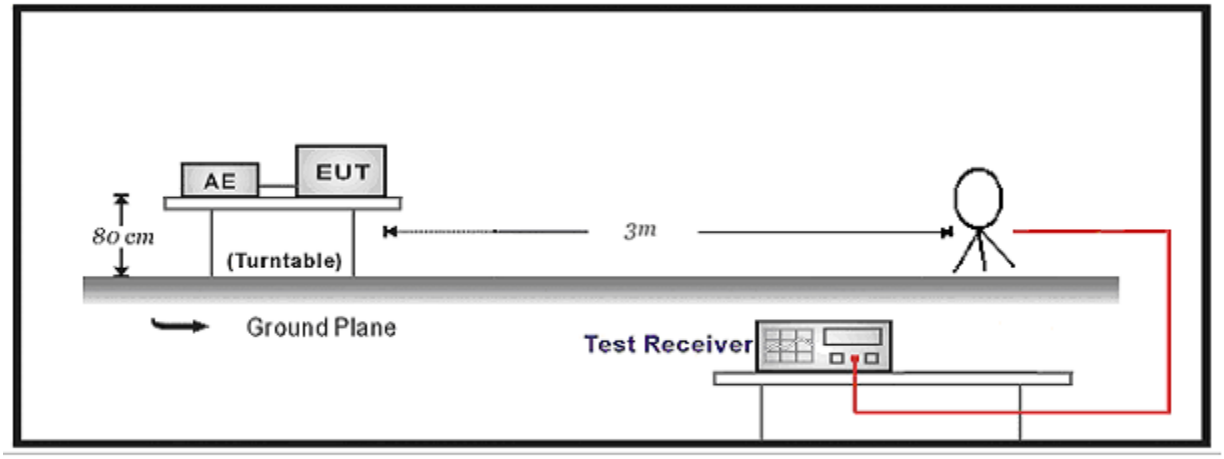
4.1. Test Equipment

Radiated Emission(Below 1GHz) / 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	2016.11.16	2017.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2016.10.16	2017.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2017.03.02	2018.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

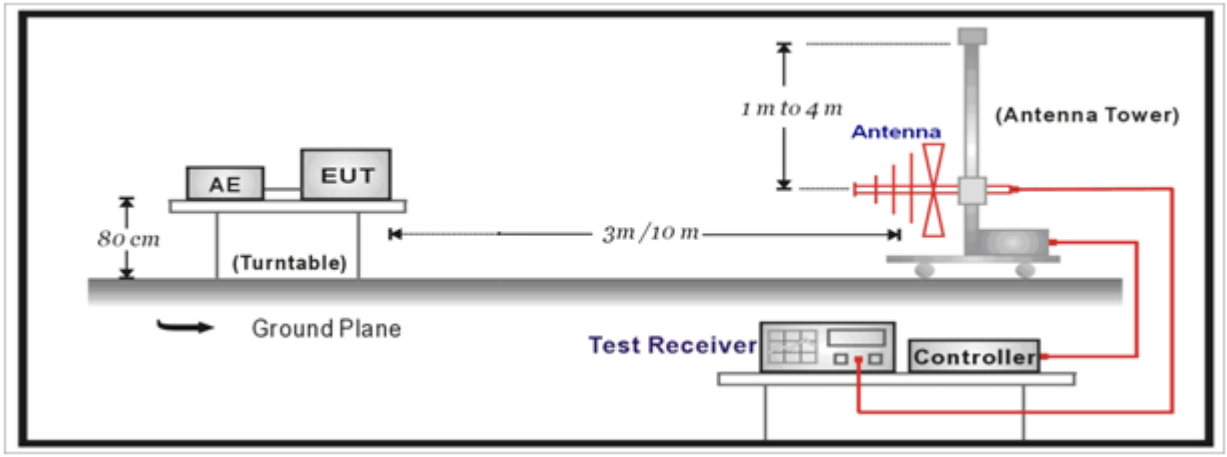
Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.06	2017.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2016.05.06	2017.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2017.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2016.06.10	2017.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

4.2. Test Setup

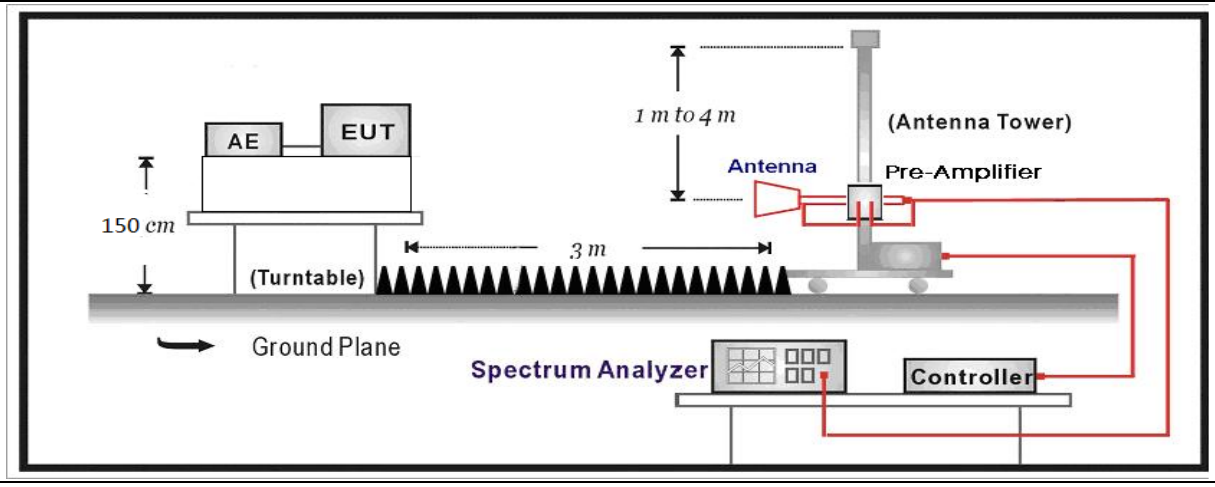
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Restricted Bands of operation			
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			

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above 960	500	54	3(Note 2)

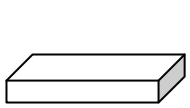
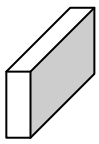
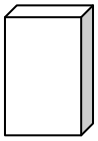
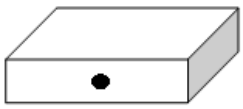
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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).

4.4. Test Procedure

Test Method						
	References Rule				Chapter	Description
☐	ANSI C63.10				11.11	Emissions in non-restricted frequency bands
	☐	ANSI C63.10			11.11.2	Reference level measurement
	☐	ANSI C63.10			11.11.3	Emission level measurement
☒	ANSI C63.10				11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10			11.12.1	Radiated emission measurements
	☒	ANSI C63.10			11.12.2.7	Radiated spurious emission test
		☒	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
	☐	ANSI C63.10			11.12.2	Antenna-port conducted measurements
		☒	ANSI C63.10		11.12.2.3	Quasi-peak measurement procedure
		☒	ANSI C63.10		11.12.2.4	Peak power measurement procedure
		☒	ANSI C63.10		11.12.2.5	Average power measurement procedures
			☐	ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
			☐	ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
			☒	ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

4.5. EUT test Axis definition

<table>
<tr><th>Item</th><th colspan="4">Emissions in restricted frequency bands</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="13">Test method</td><td>☒</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☒</td></tr>
<tr><td>☐</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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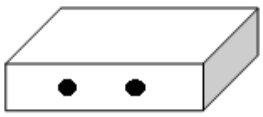
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

4.6. Test Result

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode 1	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4824.000	48.567	-7.731	40.836	54(note3)	-13.164	PK
		H	7236.000	47.178	-4.473	42.705	54(note3)	-11.295	PK
		H	9648.000	44.678	-0.989	43.688	54(note3)	-10.312	PK
		V	4804.000	48.173	-7.779	40.395	54(note3)	-13.605	PK
		V	7239.000	50.587	-4.452	46.135	54(note3)	-7.865	PK
		V	9648.000	43.966	-0.989	42.976	54(note3)	-11.024	PK
	6	H	4874.000	49.129	-7.543	41.586	54(note3)	-12.414	PK
		H	7307.000	52.375	-4.359	48.016	54(note3)	-5.984	PK
		H	9746.500	49.821	-1.465	48.356	54(note3)	-5.644	PK
		V	4874.000	49.098	-7.543	41.555	54(note3)	-12.445	PK
		V	7307.000	56.865	-4.359	52.506	54(note3)	-1.494	PK
		V	9746.500	47.645	-1.465	46.180	54(note3)	-7.820	PK
	11	H	4924.000	47.698	-7.694	40.005	54(note3)	-13.995	PK
		H	7386.000	46.869	-3.897	42.972	54(note3)	-11.028	PK
		H	9848.000	42.686	-1.196	41.490	54(note3)	-12.51	PK
		V	4924.000	48.385	-7.694	40.692	54(note3)	-13.308	PK
		V	7383.500	50.525	-3.808	46.717	54(note3)	-7.283	PK
		V	9848.000	43.678	-1.196	42.482	54(note3)	-11.518	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 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.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Site	:	Mode 2	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4824.000	47.096	-7.731	39.365	54(note3)	-14.635	PK
		H	7236.000	46.063	-4.473	41.590	54(note3)	-12.41	PK
		H	9648.000	43.109	-0.989	42.119	54(note3)	-11.881	PK
		V	4824.000	47.990	-7.731	40.259	54(note3)	-13.741	PK
		V	7239.000	52.583	-4.452	48.131	54(note3)	-5.869	PK
		V	9648.000	42.833	-0.989	41.843	54(note3)	-12.157	PK
	6	H	4874.000	48.145	-7.543	40.602	54(note3)	-13.398	PK
		H	7315.500	51.915	-4.343	47.572	54(note3)	-6.428	PK
		H	9748.000	45.497	-1.548	43.948	54(note3)	-10.052	PK
		V	4874.000	47.630	-7.543	40.087	54(note3)	-13.913	PK
		V	7307.000	57.501	-4.359	53.142	54(note3)	-0.858	PK
		V	9748.000	44.456	-1.548	42.907	54(note3)	-11.093	PK
	11	H	4924.000	48.224	-7.694	40.531	54(note3)	-13.469	PK
		H	7386.000	45.513	-3.897	41.616	54(note3)	-12.384	PK
		H	9848.000	42.104	-1.196	40.908	54(note3)	-13.092	PK
		V	4924.000	47.570	-7.694	39.877	54(note3)	-14.123	PK
		V	7386.000	46.268	-3.897	42.371	54(note3)	-11.629	PK
		V	9848.000	42.803	-1.196	41.607	54(note3)	-12.393	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 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.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Site	:	Mode 3	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	1	H	4824.000	48.198	-7.731	40.467	54(note3)	-13.533	PK
		H	7236.000	45.734	-4.473	41.261	54(note3)	-12.739	PK
		H	9648.000	43.688	-0.989	42.698	54(note3)	-11.302	PK
		V	4824.000	47.300	-7.731	39.569	54(note3)	-14.431	PK
		V	7236.000	45.950	-4.473	41.477	54(note3)	-12.523	PK
		V	9648.000	42.391	-0.989	41.401	54(note3)	-12.599	PK
	6	H	4874.000	47.962	-7.543	40.419	54(note3)	-13.581	PK
		H	7307.000	54.278	-4.359	49.919	54(note3)	-4.081	PK
		H	9738.000	46.457	-1.029	45.428	54(note3)	-8.572	PK
		V	4874.000	47.556	-7.543	40.013	54(note3)	-13.987	PK
		V	7324.000	57.858	-4.342	53.516	54(note3)	-0.484	PK
		V	9748.000	44.706	-1.548	43.157	54(note3)	-10.843	PK
	11	H	4924.000	47.492	-7.694	39.799	54(note3)	-14.201	PK
		H	7386.000	45.139	-3.897	41.242	54(note3)	-12.758	PK
		H	9848.000	41.249	-1.196	40.053	54(note3)	-13.947	PK
		V	4924.000	47.309	-7.694	39.616	54(note3)	-14.384	PK
		V	7386.000	45.329	-3.897	41.432	54(note3)	-12.568	PK
		V	9848.000	41.341	-1.196	40.145	54(note3)	-13.855	PK

Note: 1. Measure Level = Reading Level + Factor.

Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 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.

Note: 4. The VBW setting, see Clause 6.6.

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Site	:	Mode 4	Test Site	:	AC-5
Test Date	:	2017.03.04			

Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
Ant 1+2	3	H	4844.000	47.837	-7.726	40.111	54(note3)	-13.889	PK
		H	7266.000	45.541	-4.218	41.323	54(note3)	-12.677	PK
		H	9688.000	44.419	-0.645	43.774	54(note3)	-10.226	PK
		V	4844.000	47.844	-7.726	40.118	54(note3)	-13.882	PK
		V	7266.000	44.848	-4.218	40.630	54(note3)	-13.37	PK
		V	9688.000	43.507	-0.645	42.862	54(note3)	-11.138	PK
	6	H	4874.000	47.781	-7.543	40.238	54(note3)	-13.762	PK
		H	7311.000	46.120	-4.348	41.772	54(note3)	-12.228	PK
		H	9748.000	43.091	-1.548	41.542	54(note3)	-12.458	PK
		V	4874.000	47.564	-7.543	40.021	54(note3)	-13.979	PK
		V	7311.000	46.567	-4.348	42.219	54(note3)	-11.781	PK
		V	9748.000	43.974	-1.548	42.425	54(note3)	-11.575	PK
	9	H	4904.000	46.522	-7.547	38.974	54(note3)	-15.026	PK
		H	7356.000	45.481	-4.309	41.172	54(note3)	-12.828	PK
		H	9808.000	41.731	-0.994	40.738	54(note3)	-13.262	PK
		V	4904.000	47.250	-7.547	39.702	54(note3)	-14.298	PK
		V	7356.000	45.963	-4.309	41.654	54(note3)	-12.346	PK
		V	9808.000	42.643	-0.994	41.650	54(note3)	-12.35	PK

Note: 1. Measure Level = Reading Level + Factor.

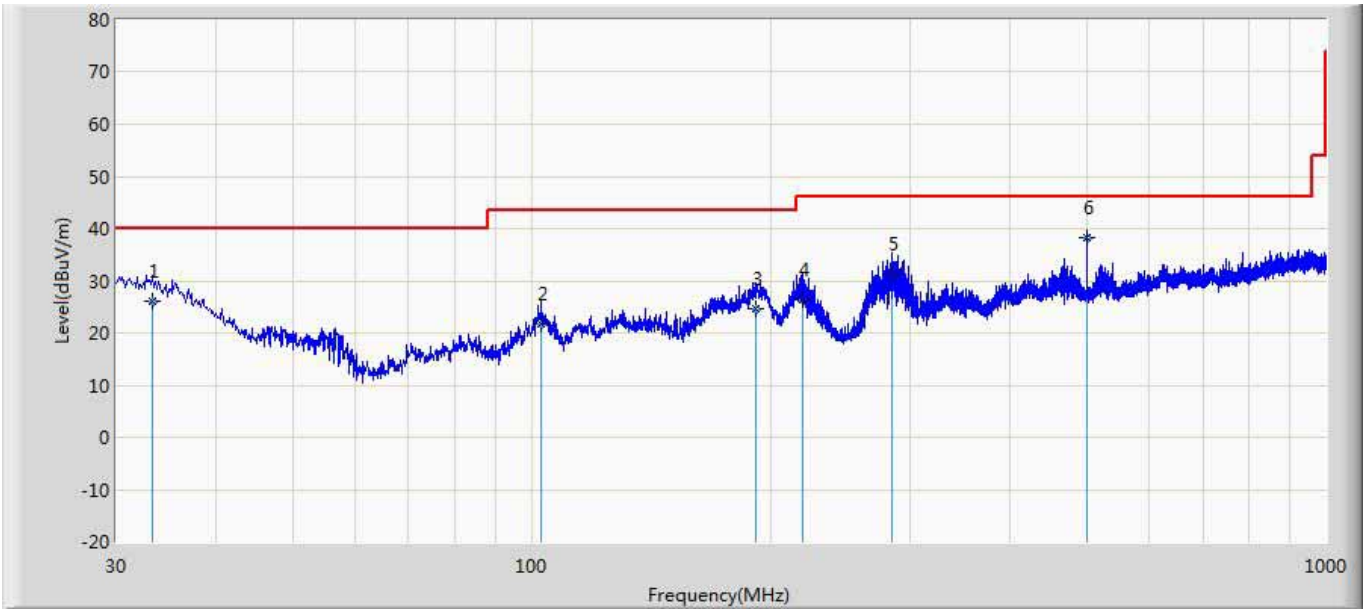
Note: 2. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report.

Note: 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.

Note: 4. The VBW setting, see Clause 6.6.

The worst case of Radiated Emission below 1GHz:

Site: AC3	Time: 2017/02/08
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CB7_CBL6112_0726	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1	

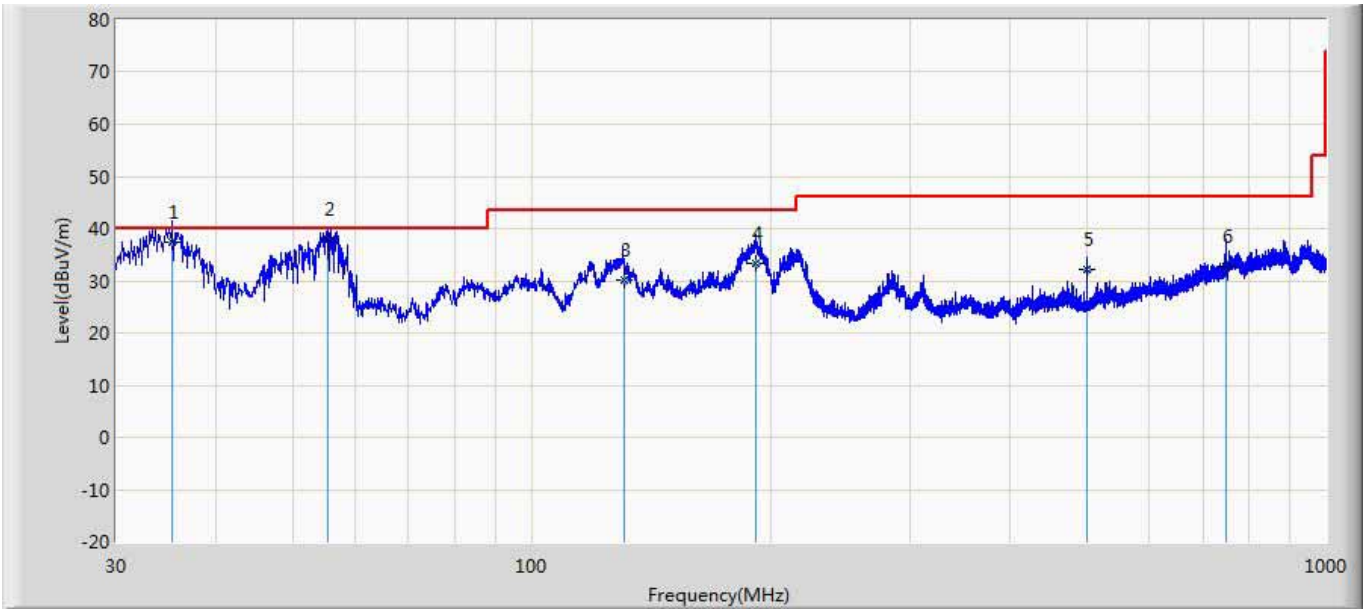


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		33.285	25.975	31.588	-14.025	40.000	16.895	0.630	23.138	100	333	QP
2		102.956	21.836	32.500	-21.664	43.500	11.396	1.100	23.160	200	194	QP
3		191.595	24.568	36.966	-18.932	43.500	9.248	1.500	23.146	200	360	QP
4		219.269	26.354	38.700	-19.646	46.000	9.294	1.600	23.240	200	49	QP
5		284.594	31.232	39.500	-14.768	46.000	12.992	1.810	23.070	100	226	QP
6	*	499.825	38.400	40.941	-7.600	46.000	17.799	2.420	22.760	200	206	QP

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Site: AC3	Time: 2017/02/08
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: CB7_CBL6112_0726	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		35.355	37.509	44.345	-2.491	40.000	15.694	0.645	23.175	100	63	QP
2	*	55.309	37.995	52.908	-2.005	40.000	7.298	0.810	23.021	100	262	QP
3		130.621	30.272	40.255	-13.228	43.500	11.850	1.237	23.070	100	172	QP
4		191.867	33.400	45.792	-10.100	43.500	9.256	1.500	23.149	100	319	QP
5		499.867	32.300	34.840	-13.700	46.000	17.800	2.420	22.760	100	104	QP
6		749.861	32.700	32.514	-13.300	46.000	19.796	3.030	22.640	100	53	QP

Note:

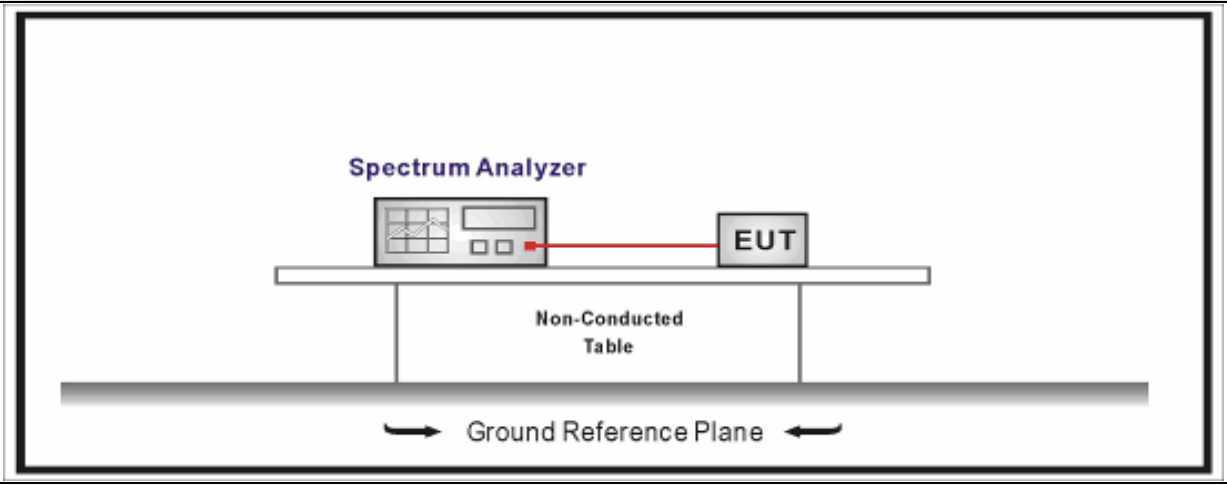
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

5. Emissions in non-restricted frequency bands

5.1. Test Equipment

Emissions in non-restricted frequency bands / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2016.04.09	2017.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2016.04.09	2017.04.08
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

Emissions in non-restricted frequency bands


5.3. Limit

Un-Restricted Band Emissions Limit	
RF Output power (Detection methods)	Limit(dB)
RF Output power(Average detector)	30c(Note1)
RF Output power(PK detector)	20c(Note2)

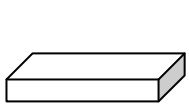
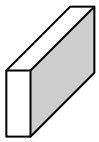
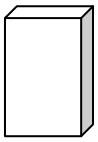
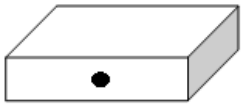
Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

5.4. Test Procedure

Test Method						
	References Rule				Chapter	Description
☒	ANSI C63.10				11.11	Emissions in non-restricted frequency bands
	☒	ANSI C63.10			11.11.2	Reference level measurement
	☒	ANSI C63.10			11.11.3	Emission level measurement
☐	ANSI C63.10				11.12	Emissions in restricted frequency bands
	☐	ANSI C63.10			11.12.1	Radiated emission measurements
	☐	ANSI C63.10			11.12.2.7	Radiated spurious emission test
☐	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
	☒	ANSI C63.10			11.12.2	Antenna-port conducted measurements
		☐	ANSI C63.10		11.12.2.3	Quasi-peak measurement procedure
		☒	ANSI C63.10		11.12.2.4	Peak power measurement procedure
		☐	ANSI C63.10		11.12.2.5	Average power measurement procedures
			☐	ANSI C63.10	11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
			☐	ANSI C63.10	11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
			☐	ANSI C63.10	11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

5.5. EUT test Axis definition

<table>
<tr><th>Item</th><th colspan="4">Emissions in non-restricted frequency bands</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1 ~ Mode 4</td></tr>
<tr><td rowspan="12">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 0</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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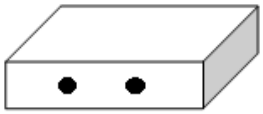
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

5.6. Test Result

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Antenna #1

Mode	Channel	Test Frequency (MHz)	Maximum In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	01	2412	10.743	2400	-33.575	44.318	>30	Pass
1	11	2462	8.952	2463.99	-56.037	64.989	>30	Pass
2	01	2412	7.497	2400	-30.795	38.292	>30	Pass
2	11	2462	7.589	2463.30	-55.847	63.436	>30	Pass
3	01	2412	6.701	2413.26	-32.193	38.894	>30	Pass
3	11	2462	5.880	2465.80	-54.743	60.623	>30	Pass
4	03	2422	-1.115	2433.26	-32.905	31.790	>30	Pass
4	09	2452	-1.699	2443.30	-57.584	55.885	>30	Pass

Note: The worst case of emissions in non-restricted frequency bands as below:

Mode 4 CH03(2422MHz)

Antenna #2

Mode	Channel	Test Frequency (MHz)	Maximum In-Band PSD[a] (dBm/100kHz)	Frequency (MHz)	Out-Band PSD[b] (dBm/100kHz)	[a]-[b] (dB)	Limit (dB)	Result
1	01	2412	7.889	2412.98	-33.042	40.931	>30	Pass
1	11	2462	10.359	2460.99	-53.907	64.266	>30	Pass
2	01	2412	9.083	2415.75	-30.505	39.588	>30	Pass
2	11	2462	8.217	2463.30	-51.240	59.457	>30	Pass
3	01	2412	7.837	2410.72	-31.014	38.851	>30	Pass
3	11	2462	10.186	2463.30	-50.679	60.865	>30	Pass
4	03	2422	1.329	2425.74	-30.918	32.247	>30	Pass
4	09	2452	-0.169	2457.01	-54.916	54.747	>30	Pass

Note: The worst case of emissions in non-restricted frequency bands as below:

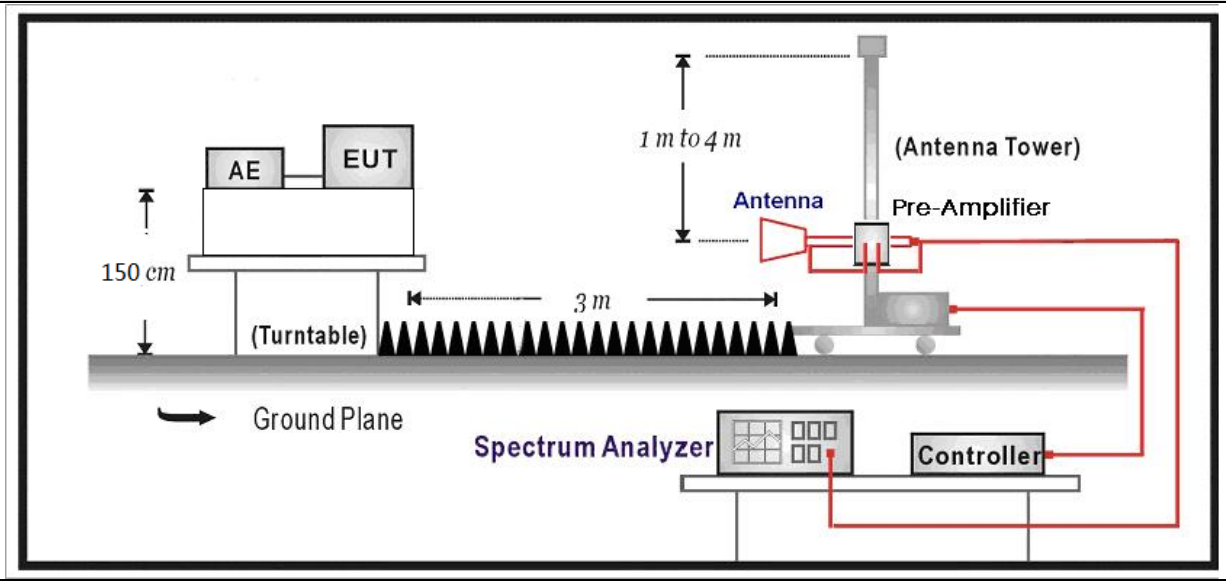
Mode 4 CH03(2422MHz)

6. Radiated Emission Band Edge

6.1. Test Equipment

Radiated Emission Band Edge / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.06	2017.05.05
Preamplifier	QuieTek	AP-040G	CHM-0906001	2016.05.06	2017.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2017.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2016.06.10	2017.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

6.2. Test Setup

Radiated Emission Band Edge


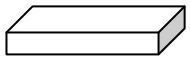
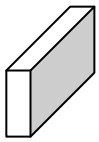
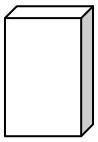
6.3. Limit

Band edge Limit				
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390 2483.5-2500	PK	74	1	3
	AV	54	1	3
Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits.				

6.4. Test Procedure

Radiated Emission Band Edge									
	References Rule						Chapter	Description
☒	ANSI C63.10						6.10	Band-edge testing
	☒	ANSI C63.10					6.10.5	Restricted-band band-edge measurements
	☐	ANSI C63.10					6.10.6	Marker-delta method
☒	ANSI C63.10						11.12	Emissions in restricted frequency bands
	☒	ANSI C63.10					11.12.1	Radiated emission measurements
	☒	ANSI C63.10					11.12.2.7	Radiated spurious emission test
☐	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
	☐	ANSI C63.10					11.12.2	Antenna-port conducted measurements
		☐	ANSI C63.10				11.12.2.3	Quasi-peak measurement procedure
		☒	ANSI C63.10				11.12.2.4	Peak power measurement procedure
		☒	ANSI C63.10				11.12.2.5	Average power measurement procedures
			☐	ANSI C63.10			11.12.2.5.1	Trace averaging with continuous EUT transmission at full power
			☐	ANSI C63.10			11.12.2.5.2	Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction
			☒	ANSI C63.10			11.12.2.5.3	Reduced VBW averaging across ON and OFF times of the EUT transmissions with max hold

6.5. EUT test definition

<table>
<tr><th>Item</th><th colspan="4">Radiated Emission Band Edge</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="13">Test method</td><td>☒</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☒</td></tr>
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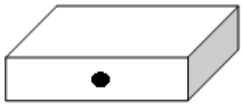
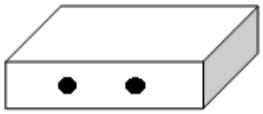
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td colspan="2">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

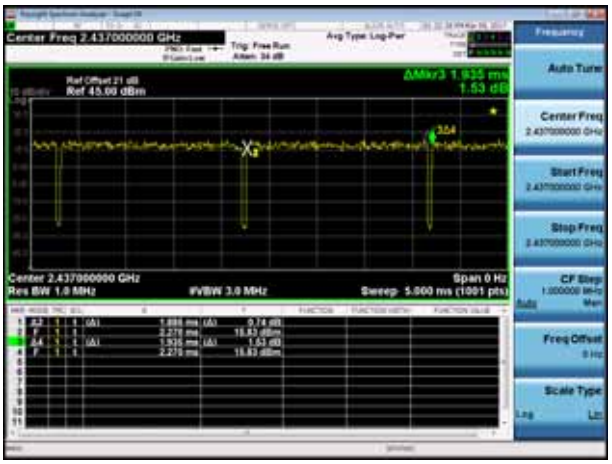
6.6. Duty Cycle

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11b	N/A	N/A	10Hz	N/A	100%
802.11g	2.015	0.060	510Hz	2.075	97.11%
802.11n(20MHz)	1.885	0.050	560Hz	1.935	97.42%
802.11n(40MHz)	0.888	0.081	1.2KHz	0.969	91.64%

802.11b

802.11g

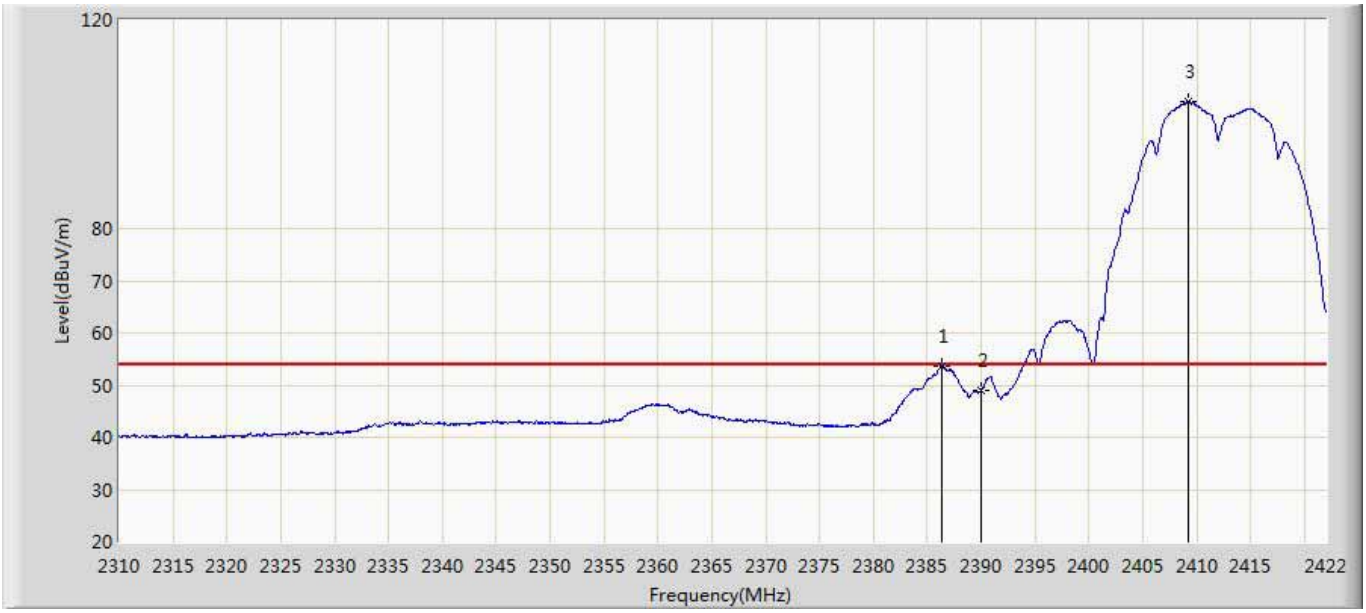
802.11n(20MHz)



802.11n(40MHz)

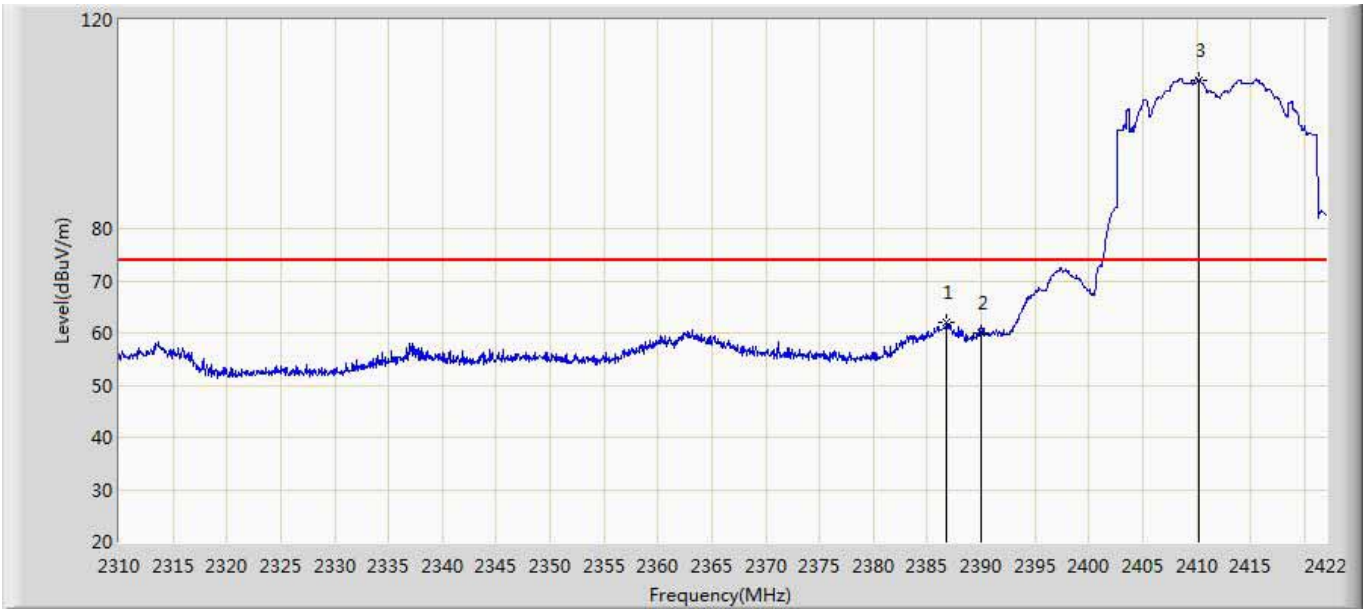
6.7. Test Result

Site: AC5	Time: 2017/02/20 - 23:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



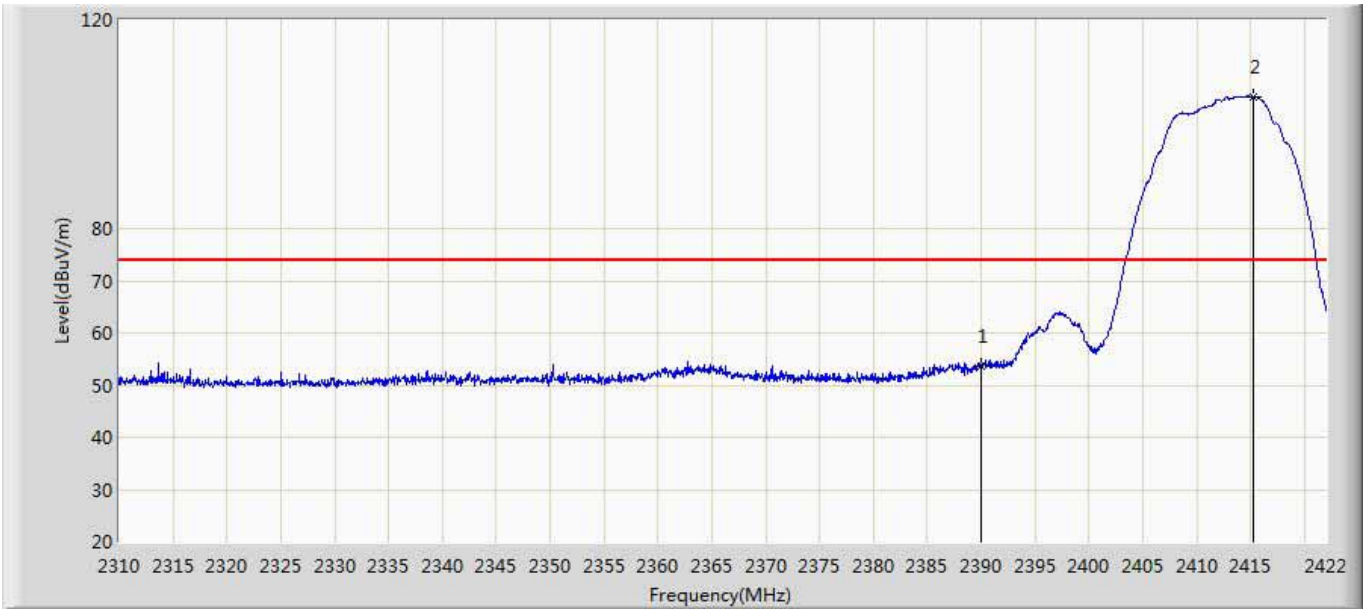
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.384	53.650	17.976	-0.350	54.000	35.674	AV
2		2390.000	49.079	13.397	-4.921	54.000	35.682	AV
3	*	2409.176	104.330	68.598	50.330	54.000	35.732	AV

Site: AC5	Time: 2017/02/20 - 23:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



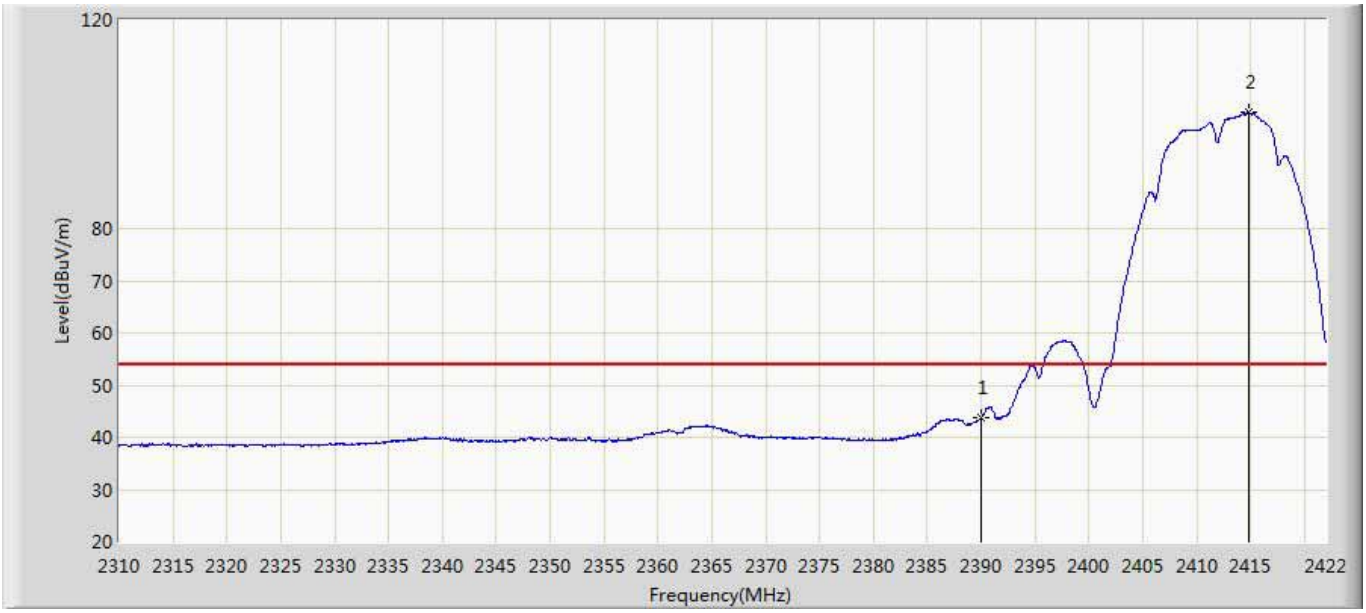
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.832	61.999	26.324	-12.001	74.000	35.675	PK
2		2390.000	59.965	24.283	-14.035	74.000	35.682	PK
3	*	2410.184	108.382	72.647	34.382	74.000	35.735	PK

Site: AC5	Time: 2017/02/20 - 23:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



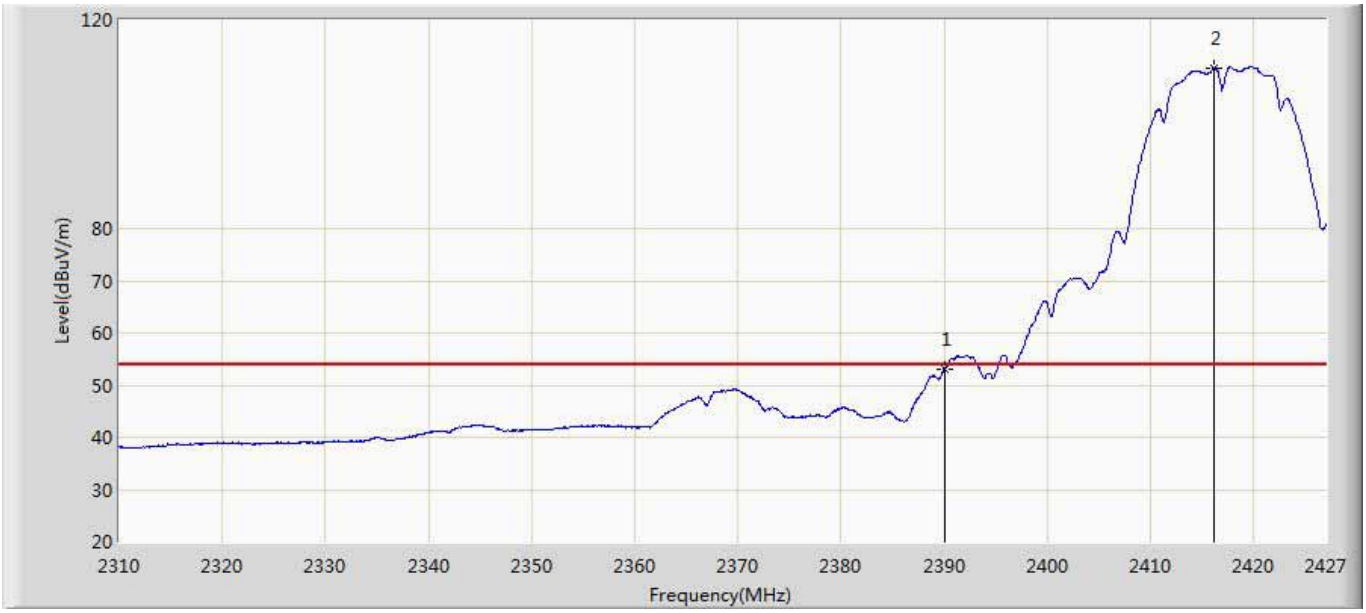
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.756	18.074	-20.244	74.000	35.682	PK
2	*	2415.280	105.271	69.516	31.271	74.000	35.755	PK

Site: AC5	Time: 2017/02/20 - 23:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



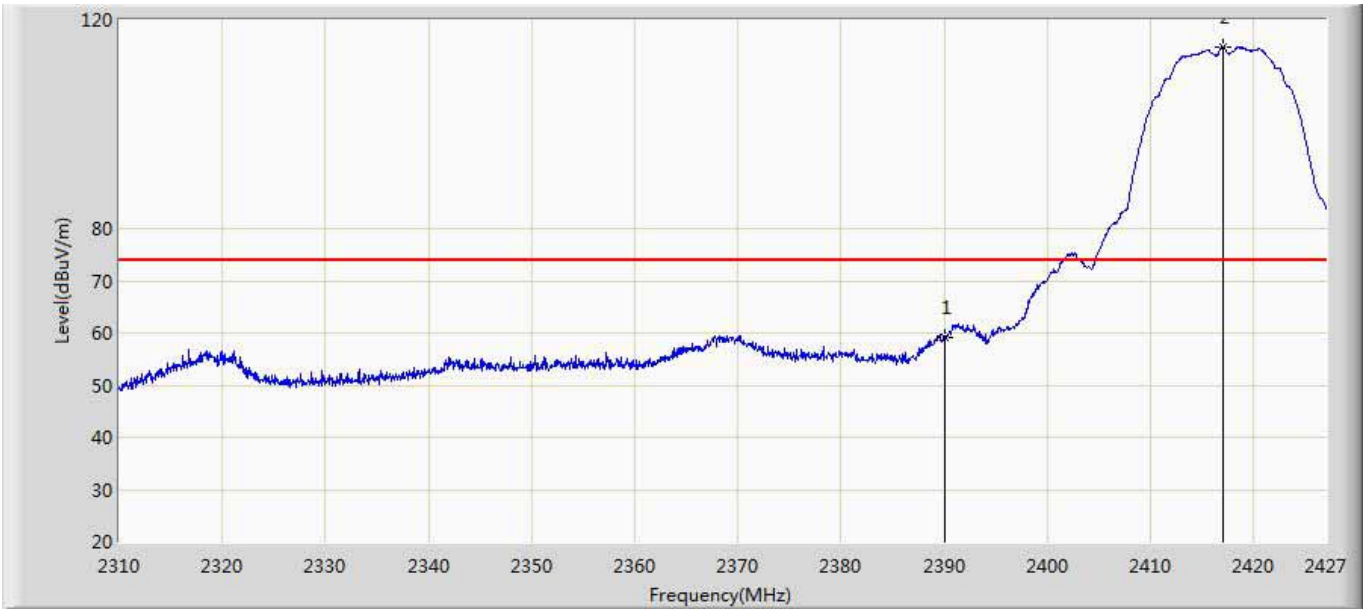
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.800	8.118	-10.200	54.000	35.682	AV
2	*	2414.776	102.215	66.462	48.215	54.000	35.753	AV

Site: AC5	Time: 2017/03/04 - 15:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2417MHz by 802.11b	



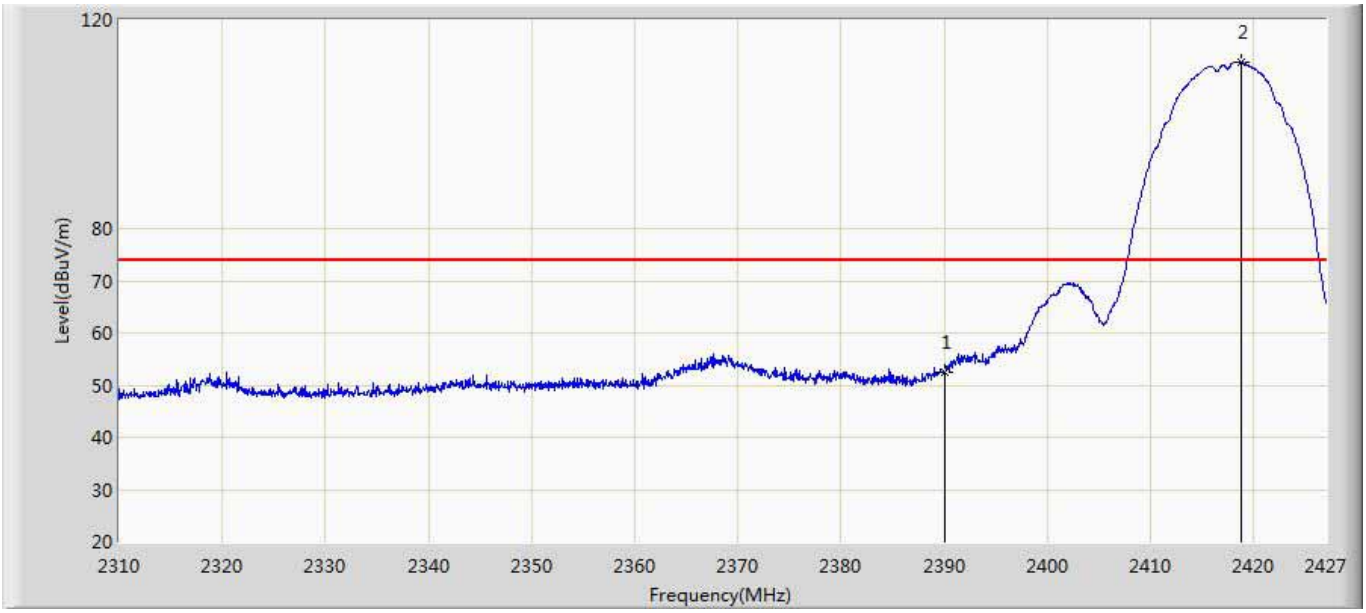
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.172	17.490	-0.828	54.000	35.682	AV
2	*	2416.177	110.857	75.098	56.857	54.000	35.759	AV

Site: AC5	Time: 2017/03/04 - 16:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2417MHz by 802.11b	



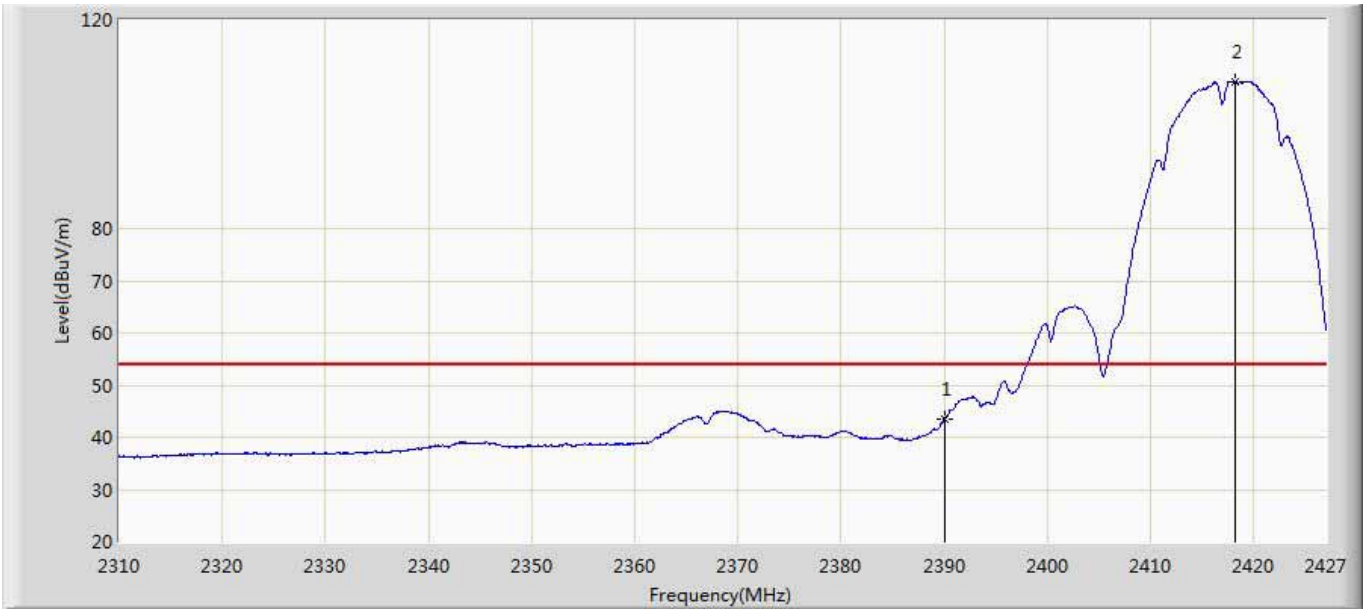
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	59.058	23.376	-14.942	74.000	35.682	PK
2	*	2417.055	114.924	79.161	40.924	74.000	35.762	PK

Site: AC5	Time: 2017/03/04 - 16:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2417MHz by 802.11b	



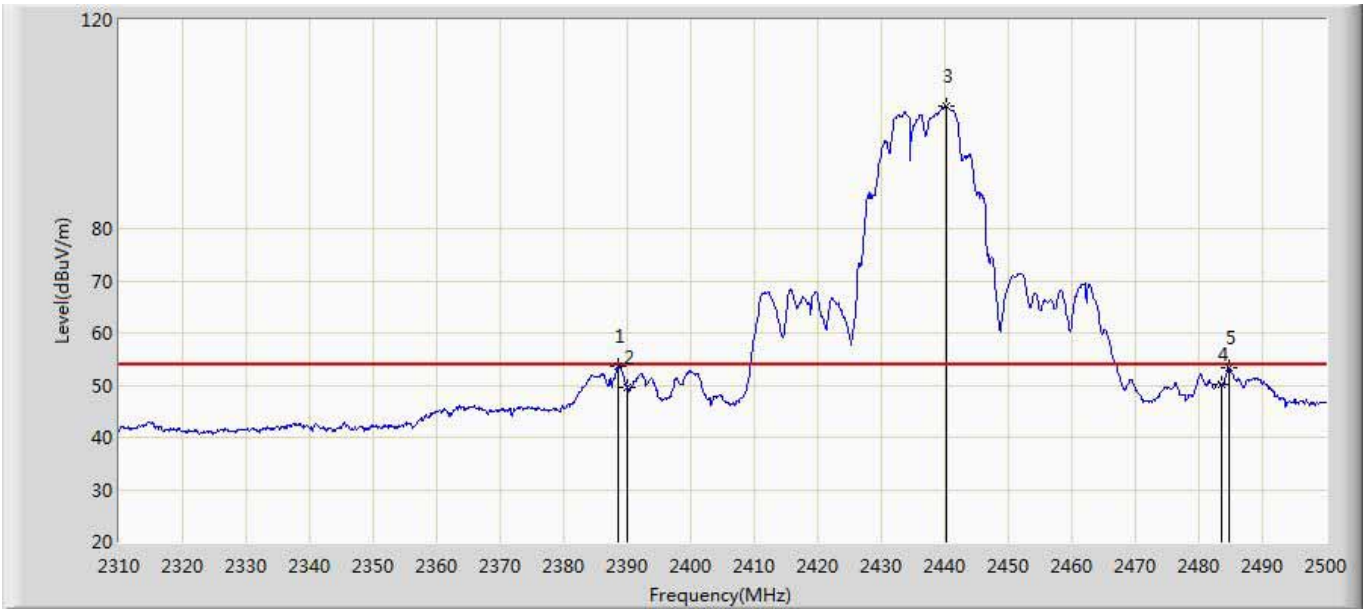
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.424	16.742	-21.576	74.000	35.682	PK
2	*	2418.810	111.775	76.005	37.775	74.000	35.770	PK

Site: AC5	Time: 2017/03/04 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2417MHz by 802.11b	



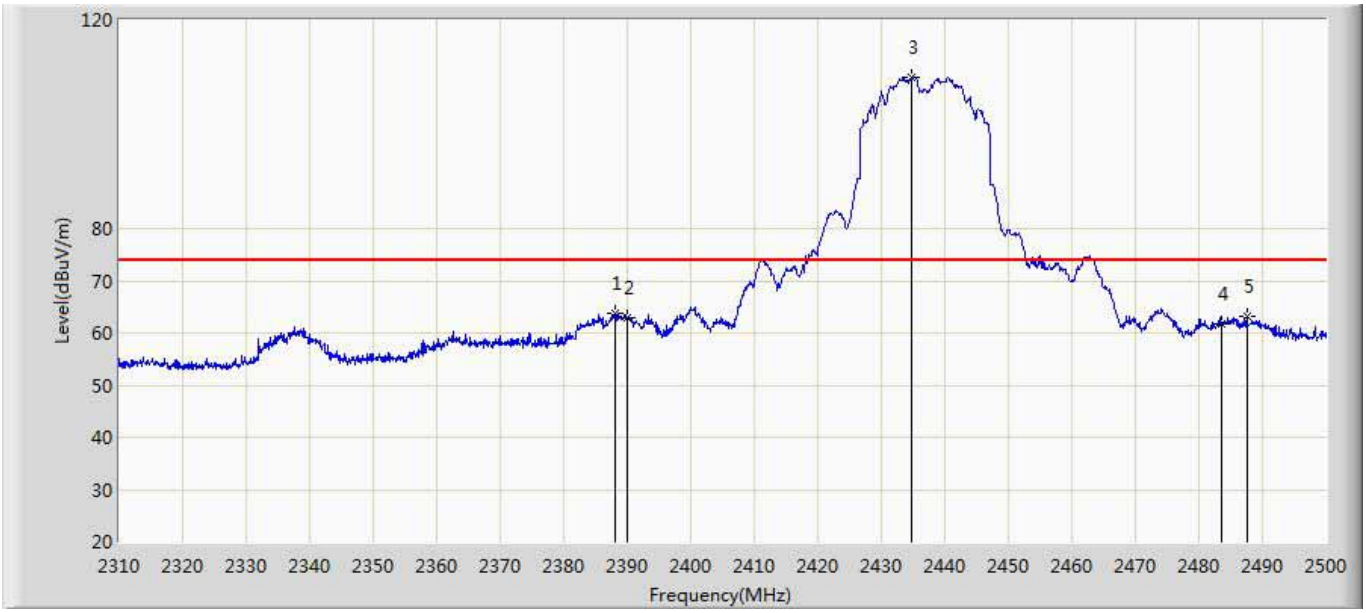
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.545	7.863	-10.455	54.000	35.682	AV
2	*	2418.167	108.126	72.359	54.126	54.000	35.767	AV

Site: AC5	Time: 2017/02/20 - 23:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



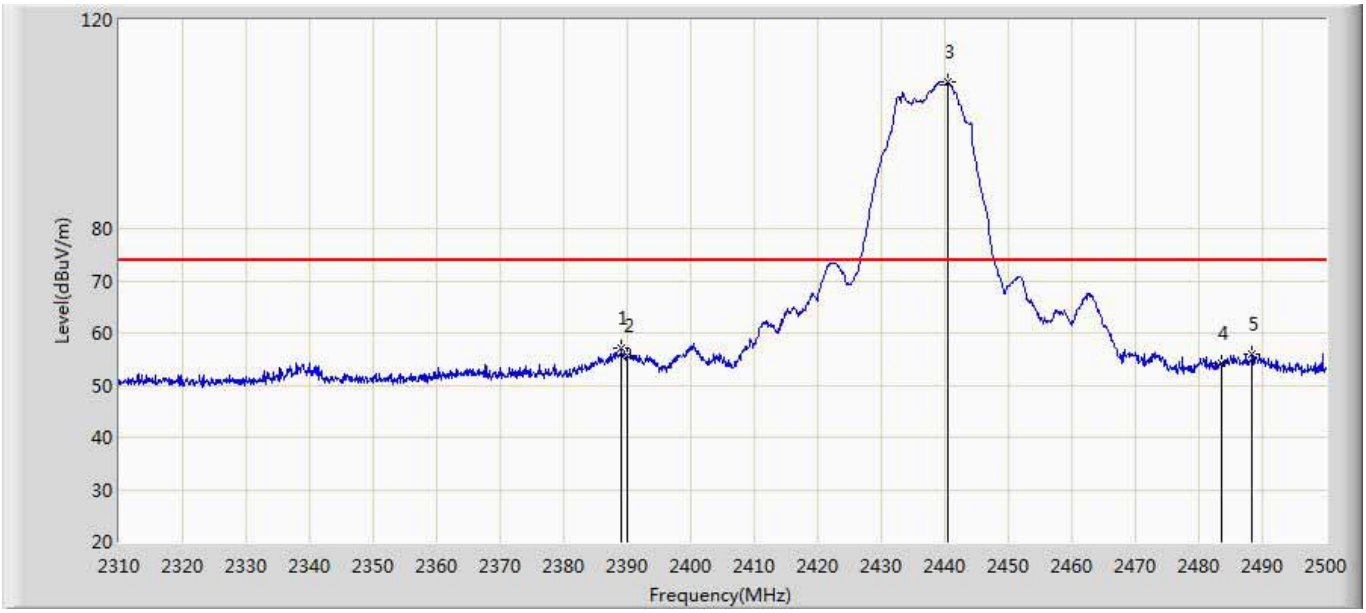
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.660	53.521	17.842	-0.479	54.000	35.678	AV
2		2390.000	49.471	13.789	-4.529	54.000	35.682	AV
3	*	2440.150	103.536	67.731	49.536	54.000	35.805	AV
4		2483.500	50.226	14.334	-3.774	54.000	35.891	AV
5		2484.705	53.346	17.446	-0.654	54.000	35.901	AV

Site: AC5	Time: 2017/02/21 - 00:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



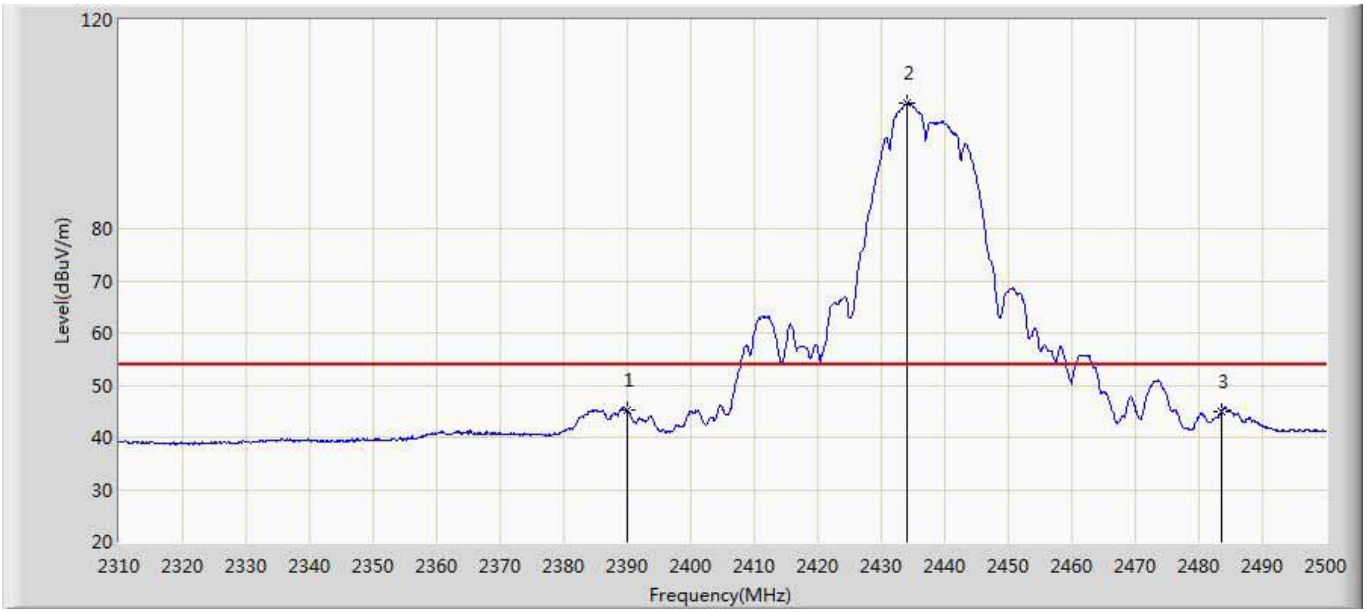
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.995	63.791	28.114	-10.209	74.000	35.678	PK
2		2390.000	62.965	27.283	-11.035	74.000	35.682	PK
3	*	2434.830	109.120	73.313	35.120	74.000	35.807	PK
4		2483.500	61.770	25.878	-12.230	74.000	35.891	PK
5		2487.555	63.119	27.198	-10.881	74.000	35.921	PK

Site: AC5	Time: 2017/02/21 - 00:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



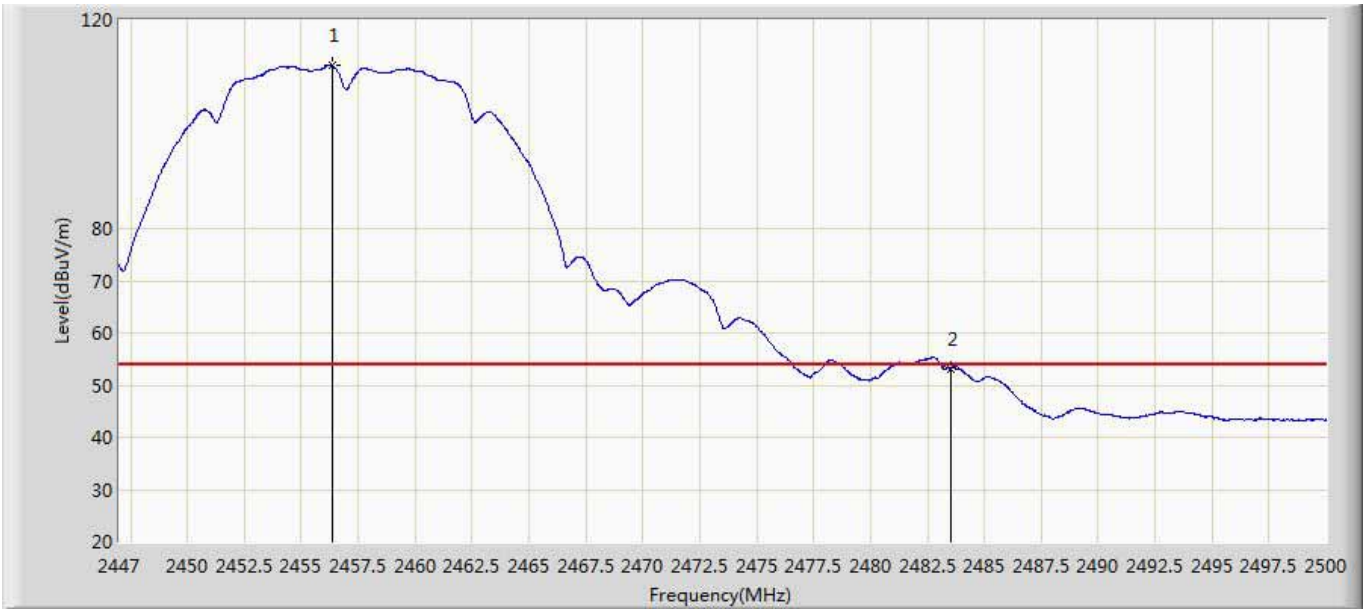
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.135	56.996	21.316	-17.004	74.000	35.680	PK
2		2390.000	55.599	19.917	-18.401	74.000	35.682	PK
3	*	2440.435	108.021	72.216	34.021	74.000	35.806	PK
4		2483.500	54.172	18.280	-19.828	74.000	35.891	PK
5		2488.315	55.960	20.034	-18.040	74.000	35.926	PK

Site: AC5	Time: 2017/02/21 - 00:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



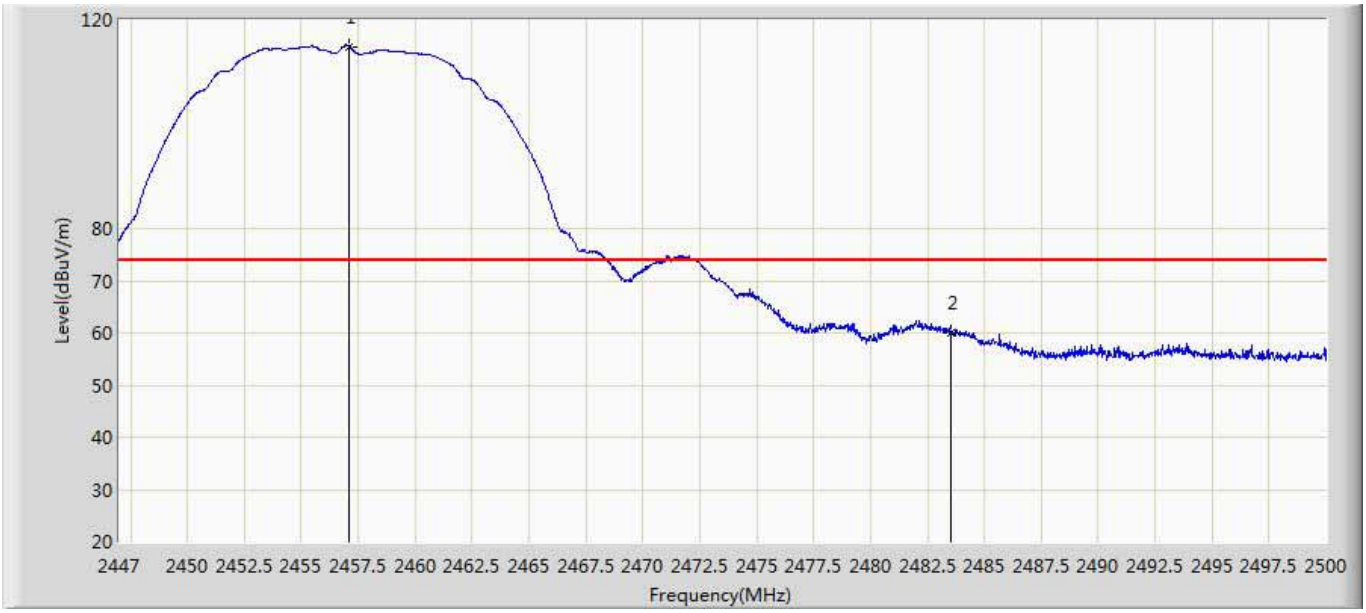
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	45.256	9.574	-8.744	54.000	35.682	AV
2	*	2434.165	104.172	68.365	50.172	54.000	35.807	AV
3		2483.500	44.789	8.897	-9.211	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2457MHz by 802.11b	



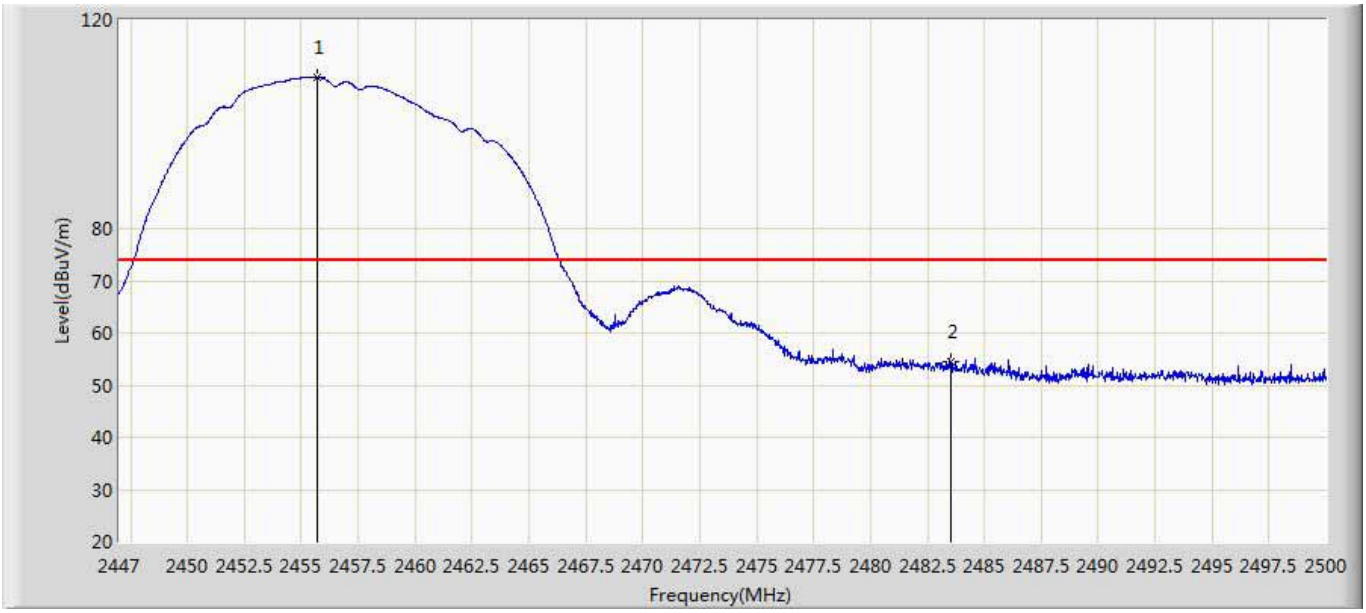
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.354	111.263	75.409	57.263	54.000	35.853	AV
2		2483.500	53.164	17.272	-0.836	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 16:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2457MHz by 802.11b	



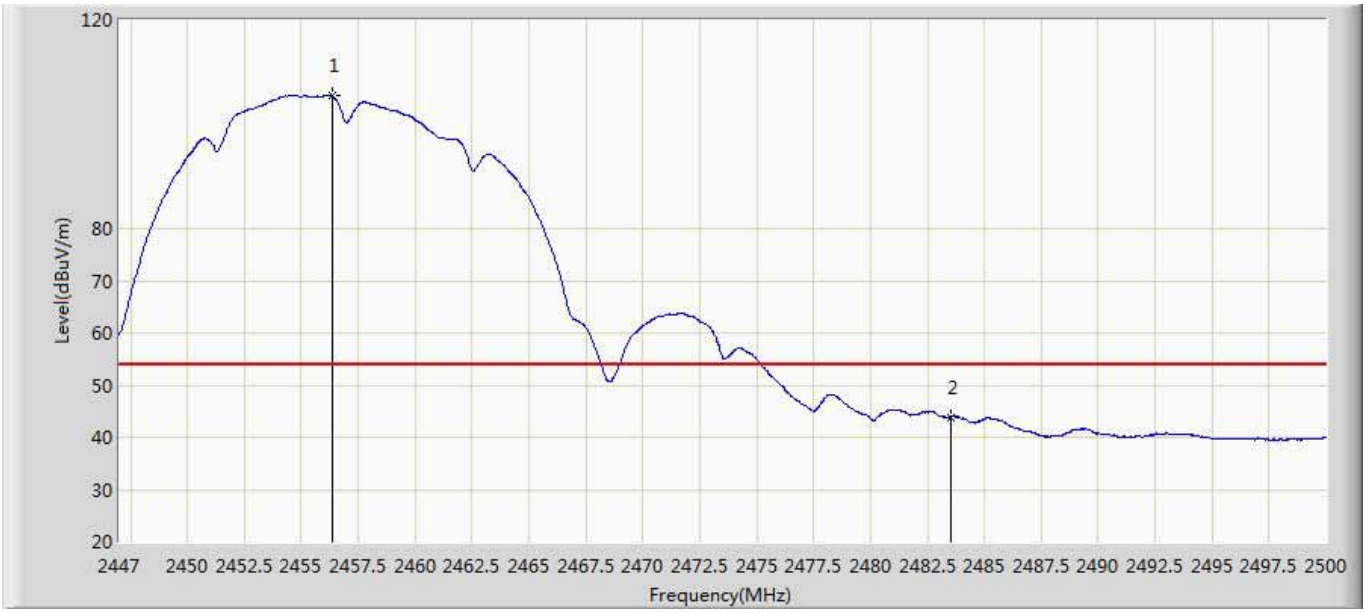
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.096	114.906	79.049	40.906	74.000	35.857	PK
2		2483.500	59.870	23.978	-14.130	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 16:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2457MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.692	109.024	73.173	35.024	74.000	35.851	PK
2		2483.500	54.404	18.512	-19.596	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 16:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2457MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.354	105.383	69.529	51.383	54.000	35.853	AV
2		2483.500	43.885	7.993	-10.115	54.000	35.891	AV

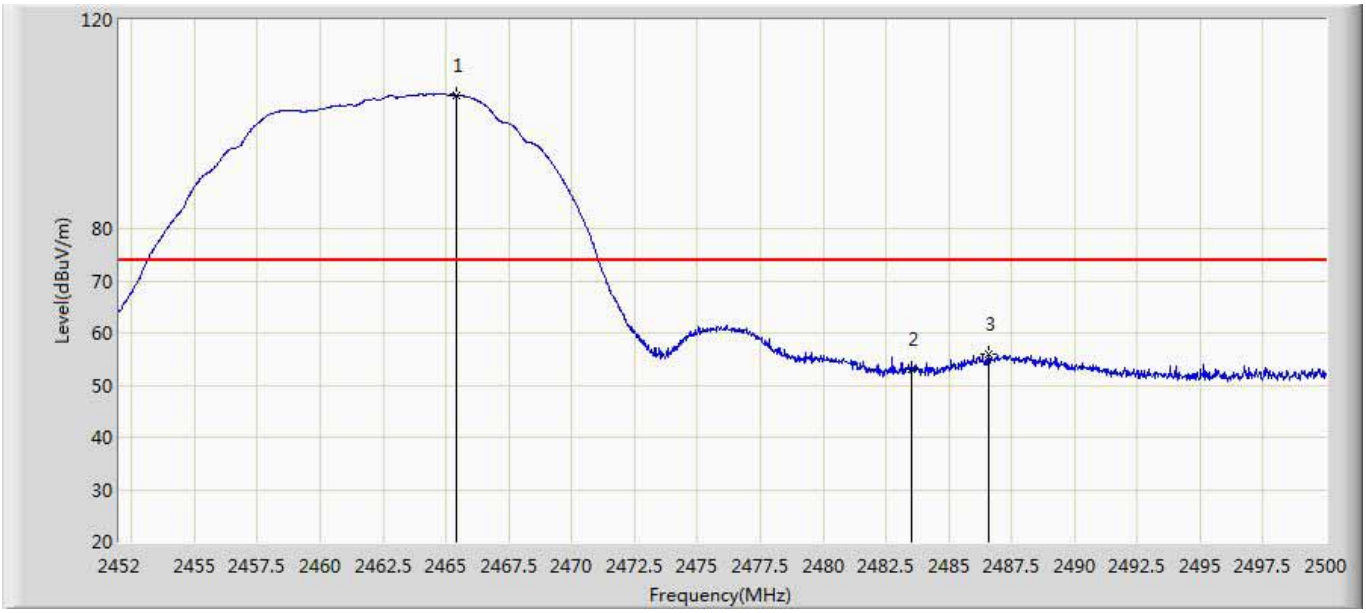
Site: AC5	Time: 2017/02/21 - 00:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.816	104.017	68.142	50.017	54.000	35.875	AV
2		2483.500	51.342	15.450	-2.658	54.000	35.891	AV
3		2487.304	53.701	17.782	-0.299	54.000	35.919	AV

Site: AC5	Time: 2017/02/21 - 00:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	

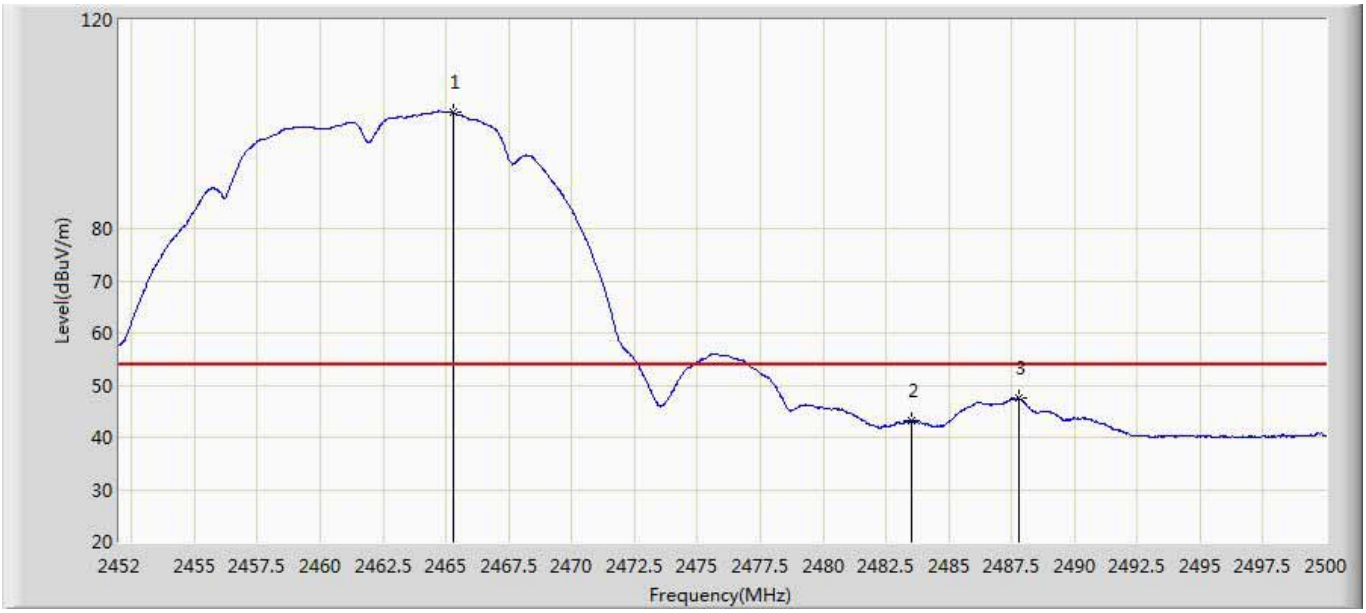
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.160	108.075	72.205	34.075	74.000	35.870	PK
2		2483.500	59.855	23.963	-14.145	74.000	35.891	PK
3		2487.208	62.172	26.254	-11.828	74.000	35.919	PK

Site: AC5	Time: 2017/02/21 - 00:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.416	105.613	69.739	31.613	74.000	35.874	PK
2		2483.500	53.060	17.168	-20.940	74.000	35.891	PK
3		2486.560	56.003	20.089	-17.997	74.000	35.914	PK

Site: AC5	Time: 2017/02/21 - 00:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.272	102.205	66.330	48.205	54.000	35.875	AV
2		2483.500	43.211	7.319	-10.789	54.000	35.891	AV
3		2487.808	47.400	11.477	-6.600	54.000	35.922	AV

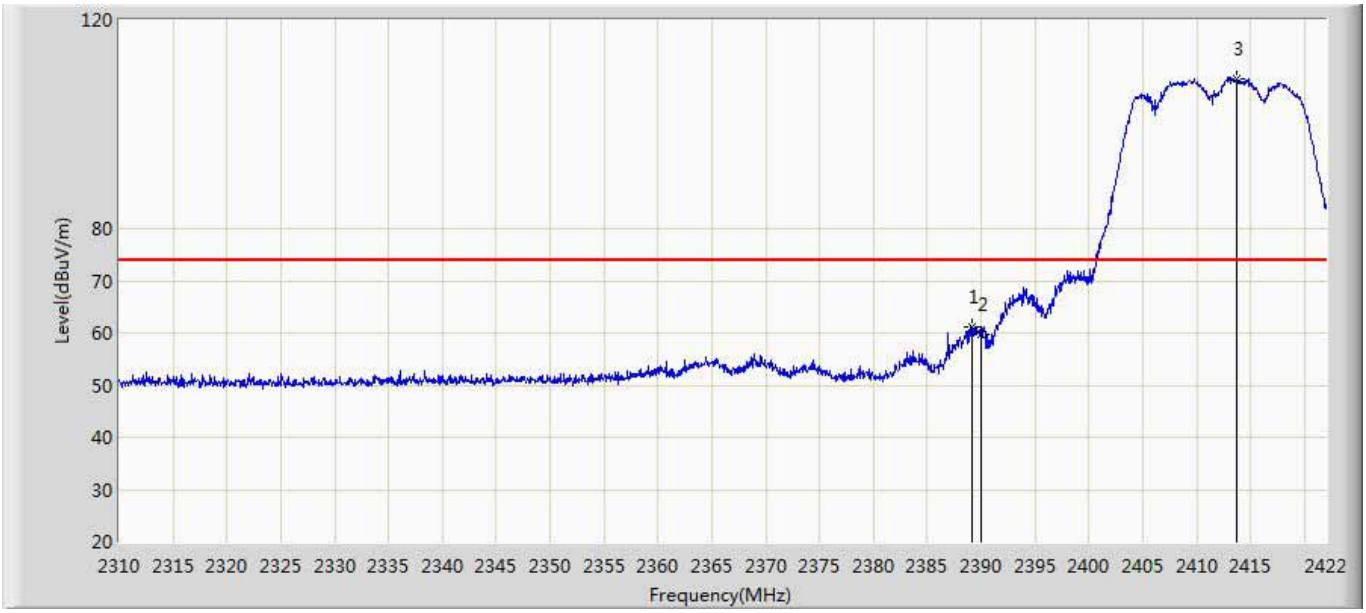
Site: AC5	Time: 2017/02/21 - 00:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.909	18.227	-0.091	54.000	35.682	AV
2	*	2417.184	102.232	66.469	48.232	54.000	35.764	AV

Site: AC5	Time: 2017/02/21 - 00:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	

No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	70.902	35.220	-3.098	74.000	35.682	PK
2	*	2415.336	111.258	75.503	37.258	74.000	35.755	PK

Site: AC5	Time: 2017/02/21 - 00:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	

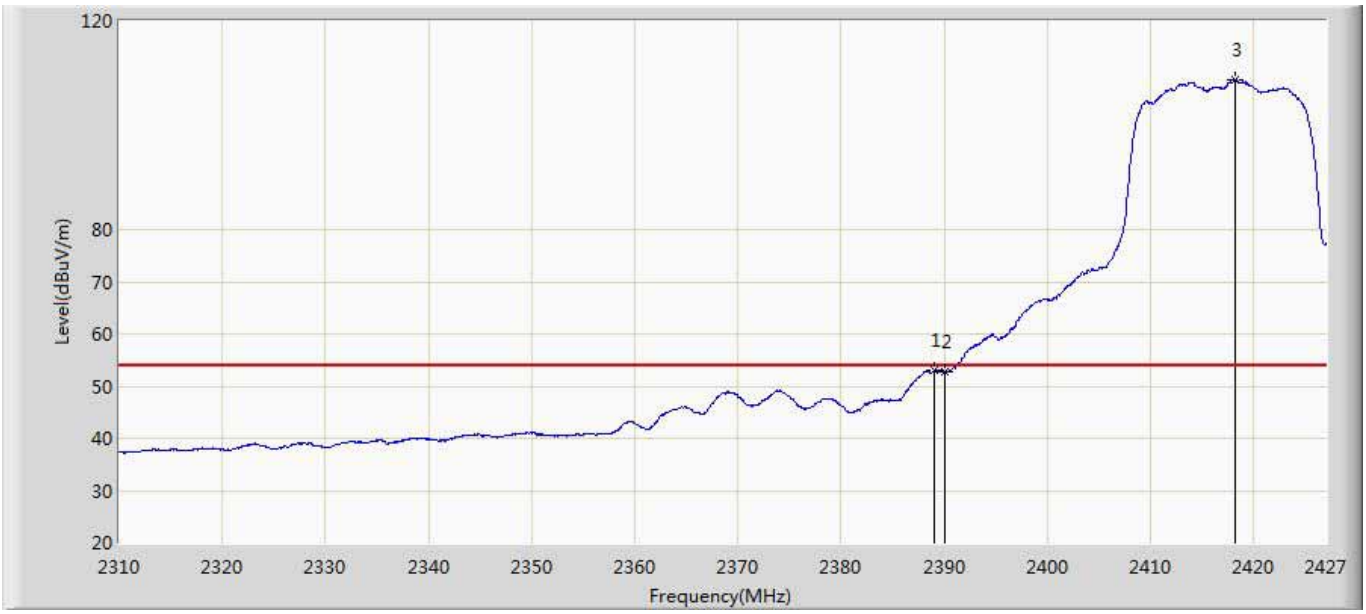


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.128	61.203	25.523	-12.797	74.000	35.680	PK
2		2390.000	59.792	24.110	-14.208	74.000	35.682	PK
3	*	2413.656	108.682	72.934	34.682	74.000	35.748	PK

Site: AC5	Time: 2017/02/21 - 00:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	

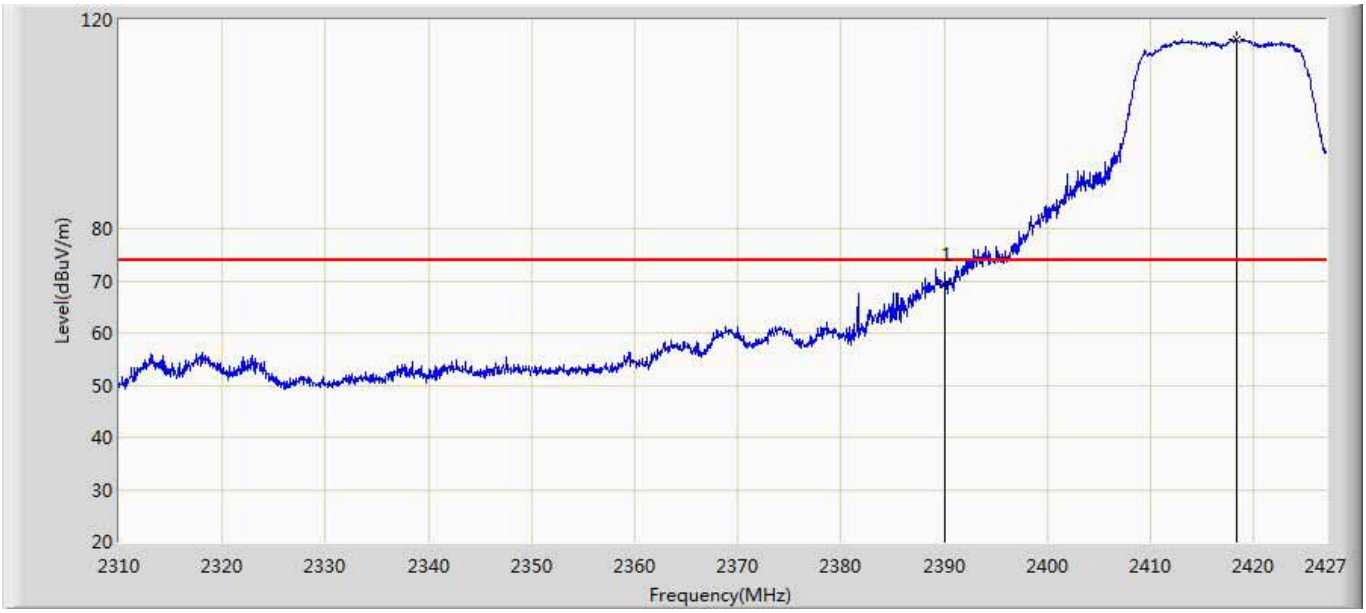
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.736	46.610	10.931	-7.390	54.000	35.679	AV
2		2390.000	46.409	10.727	-7.591	54.000	35.682	AV
3	*	2413.040	99.712	63.966	45.712	54.000	35.746	AV

Site: AC5	Time: 2017/03/04 - 16:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2417MHz by 802.11g	



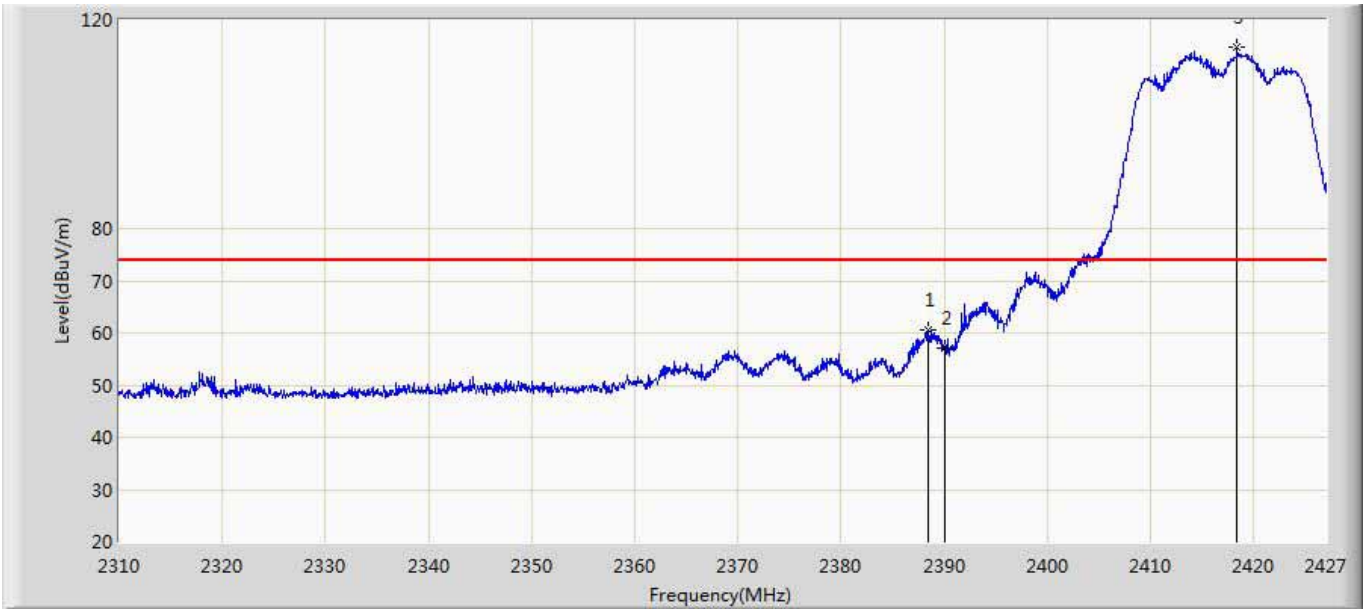
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.092	53.133	17.453	-0.867	54.000	35.680	AV
2		2390.000	52.879	17.197	-1.121	54.000	35.682	AV
3	*	2418.167	108.724	72.957	54.724	54.000	35.767	AV

Site: AC5	Time: 2017/03/04 - 16:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2417MHz by 802.11g	



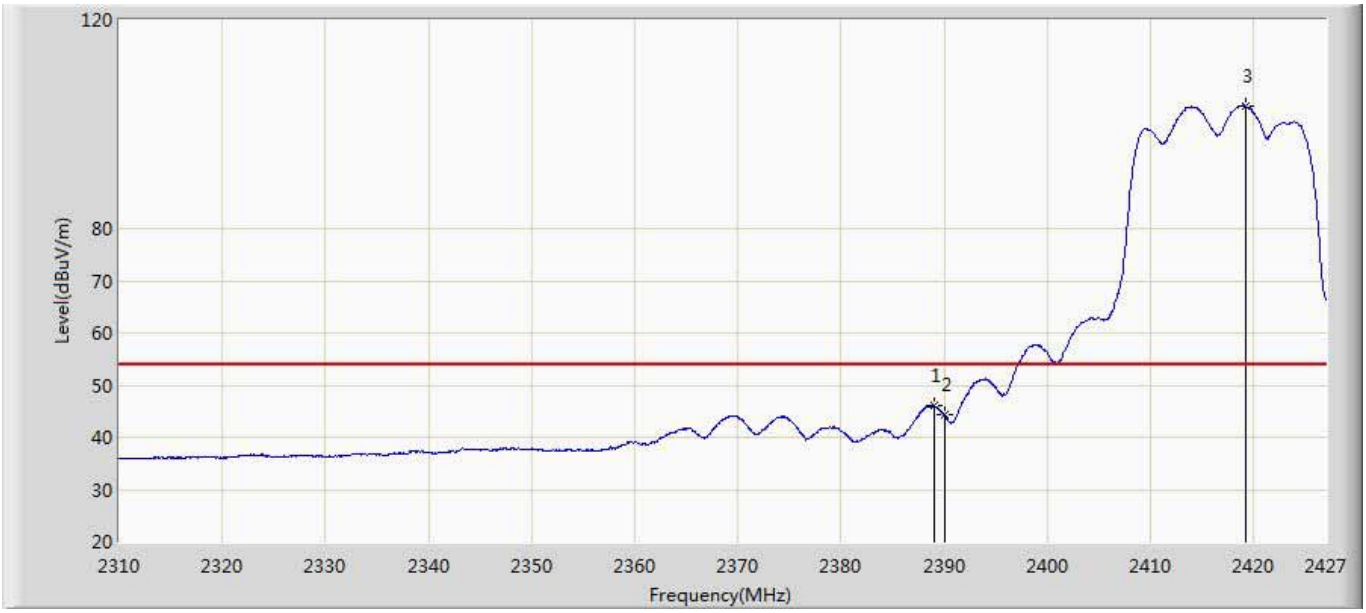
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	69.277	33.595	-4.723	74.000	35.682	PK
2	*	2418.342	116.165	80.397	42.165	74.000	35.768	PK

Site: AC5	Time: 2017/03/04 - 16:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2417MHz by 802.11g	



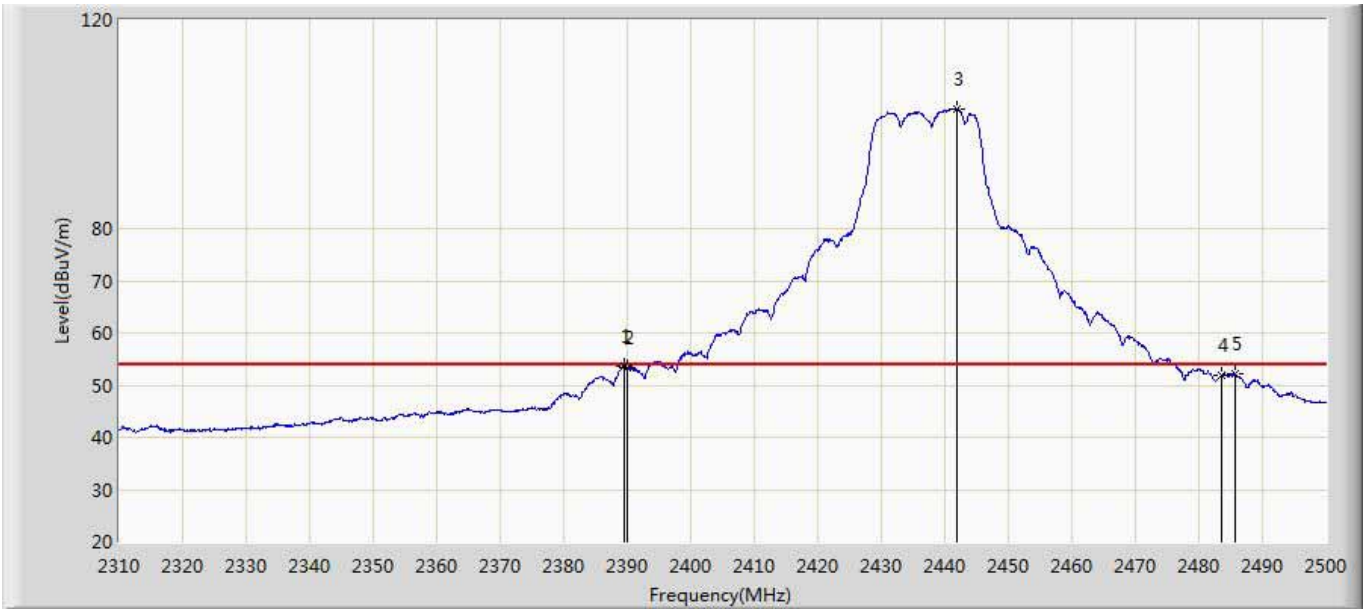
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2388.507	60.678	24.999	-13.322	74.000	35.678	PK
2		2390.000	57.202	21.520	-16.798	74.000	35.682	PK
3	*	2418.400	114.722	78.954	40.722	74.000	35.768	PK

Site: AC5	Time: 2017/03/04 - 16:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2417MHz by 802.11g	



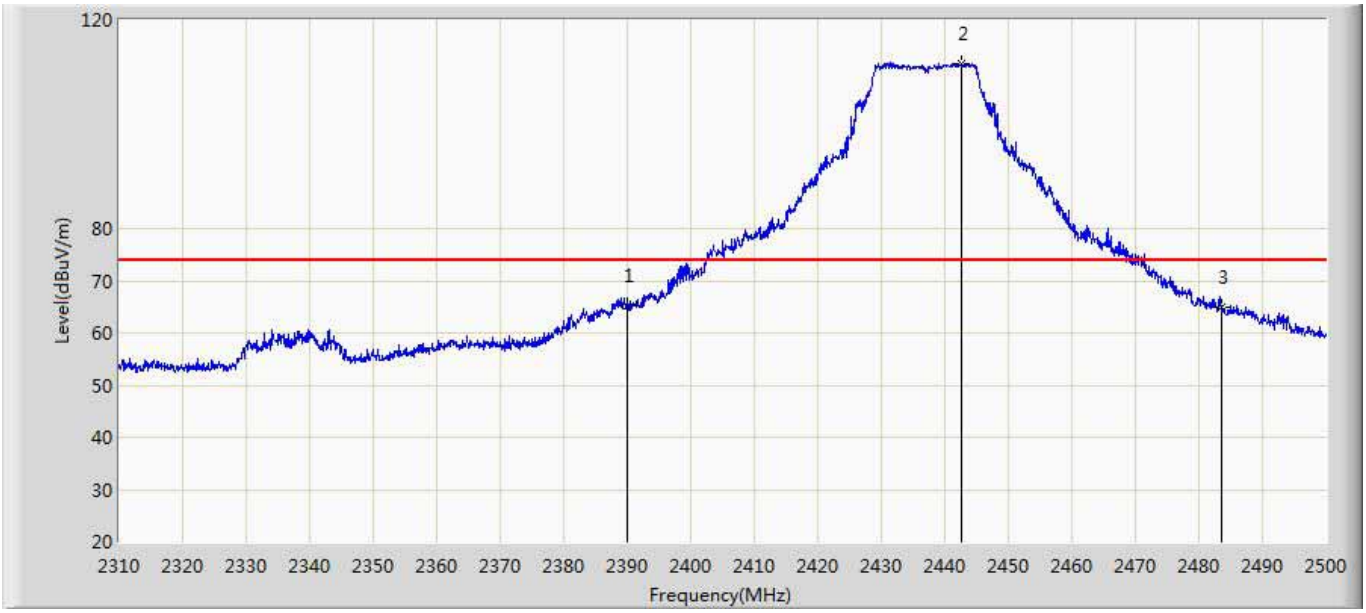
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.033	45.982	10.302	-8.018	54.000	35.680	AV
2		2390.000	44.255	8.573	-9.745	54.000	35.682	AV
3	*	2419.219	103.464	67.692	49.464	54.000	35.772	AV

Site: AC5	Time: 2017/02/21 - 00:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



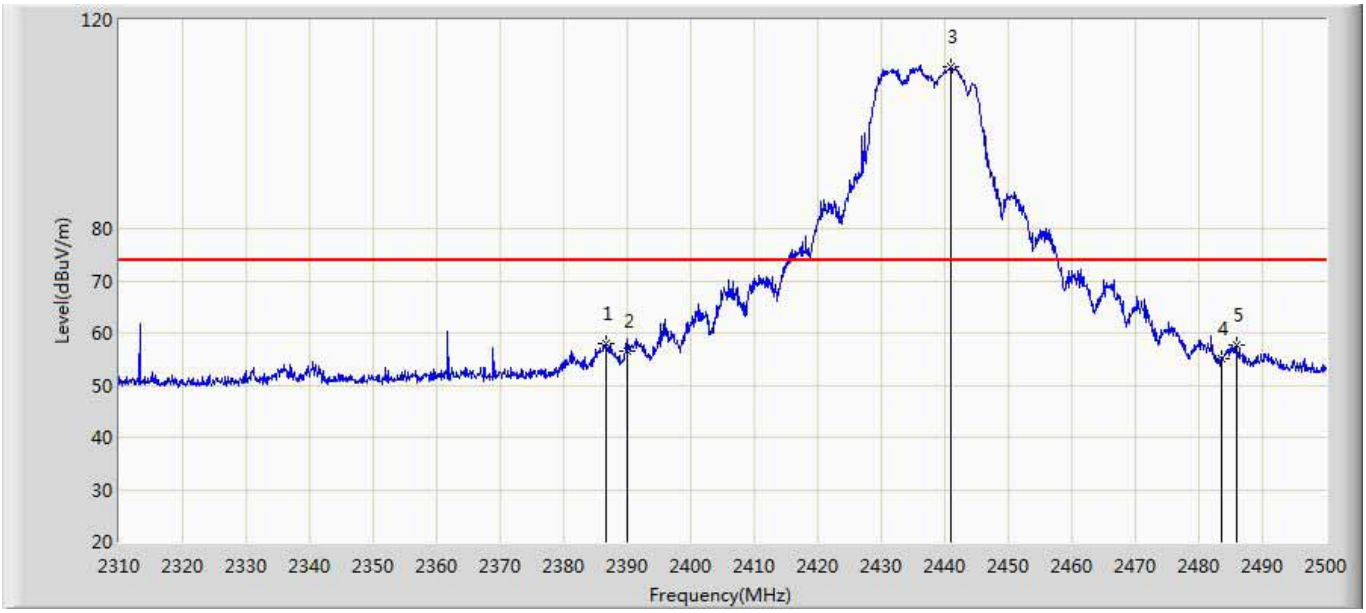
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2389.420	53.760	18.079	-0.240	54.000	35.680	AV
2		2390.000	53.420	17.738	-0.580	54.000	35.682	AV
3	*	2441.955	102.964	67.159	48.964	54.000	35.804	AV
4		2483.500	51.879	15.987	-2.121	54.000	35.891	AV
5		2485.750	52.170	16.262	-1.830	54.000	35.908	AV

Site: AC5	Time: 2017/02/21 - 00:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



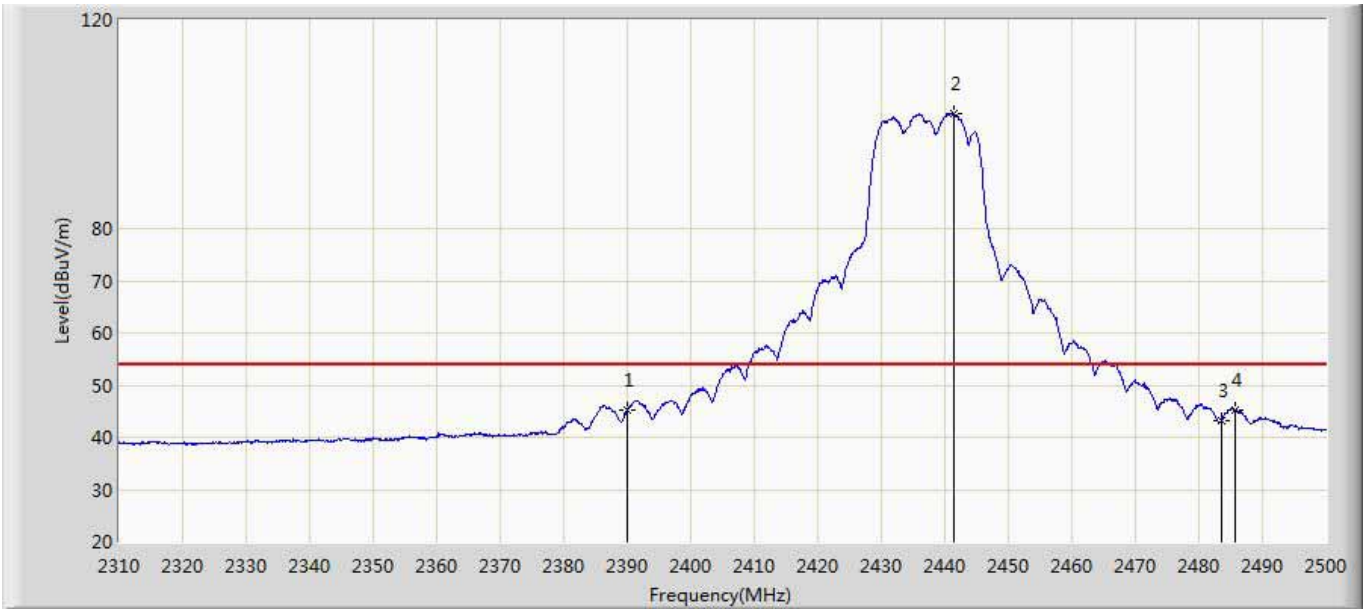
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.114	29.432	-8.886	74.000	35.682	PK
2	*	2442.525	111.480	75.675	37.480	74.000	35.805	PK
3		2483.500	64.838	28.946	-9.162	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 00:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



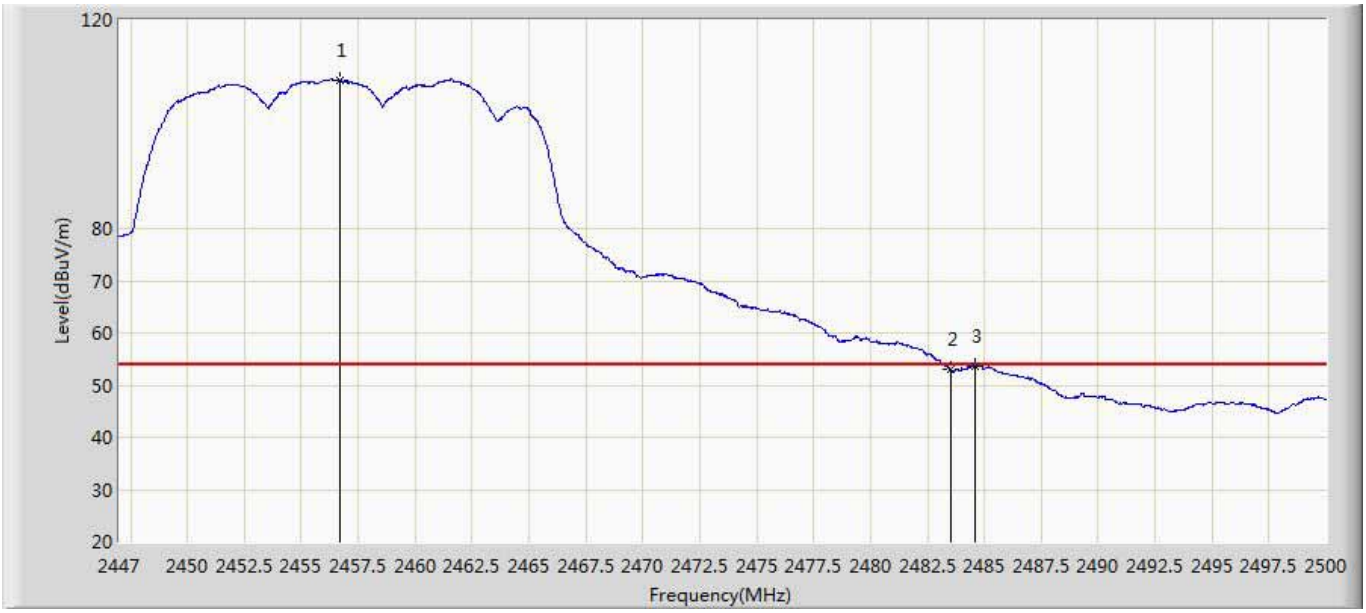
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.665	57.861	22.187	-16.139	74.000	35.674	PK
2		2390.000	56.417	20.735	-17.583	74.000	35.682	PK
3	*	2441.005	110.877	75.072	36.877	74.000	35.805	PK
4		2483.500	54.953	19.061	-19.047	74.000	35.891	PK
5		2485.845	57.741	21.832	-16.259	74.000	35.909	PK

Site: AC5	Time: 2017/02/21 - 00:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



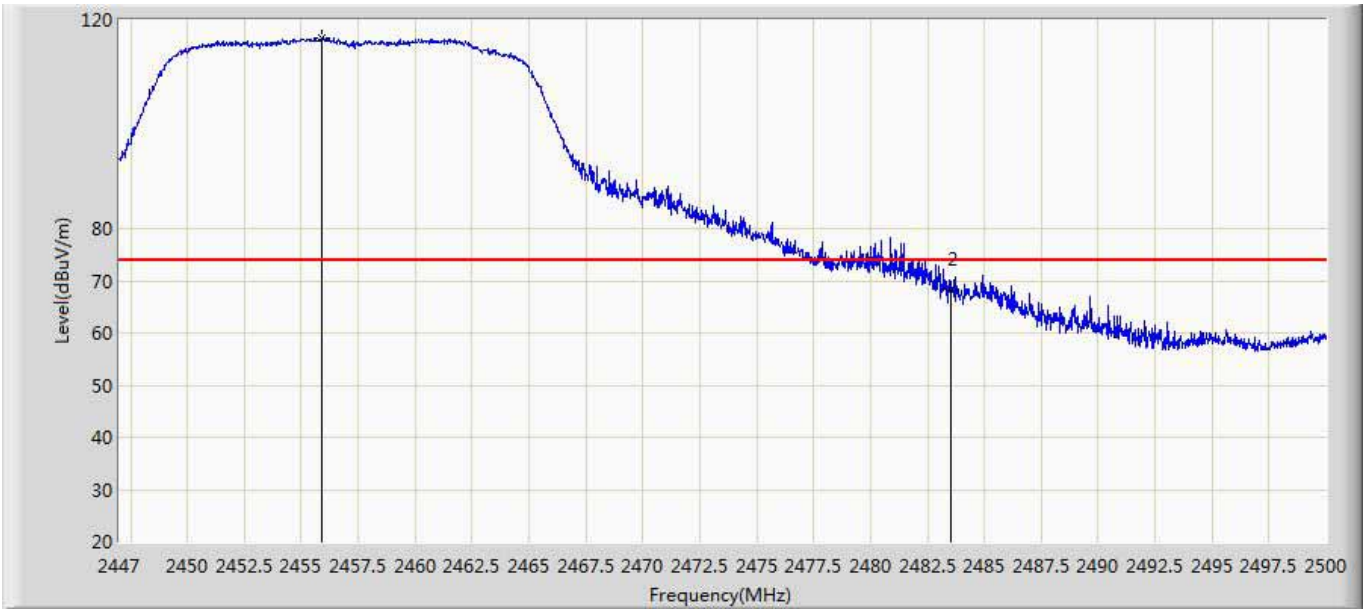
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	45.180	9.498	-8.820	54.000	35.682	AV
2	*	2441.480	101.914	66.109	47.914	54.000	35.805	AV
3		2483.500	43.300	7.408	-10.700	54.000	35.891	AV
4		2485.655	45.325	9.418	-8.675	54.000	35.907	AV

Site: AC5	Time: 2017/03/04 - 16:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2457MHz by 802.11g	



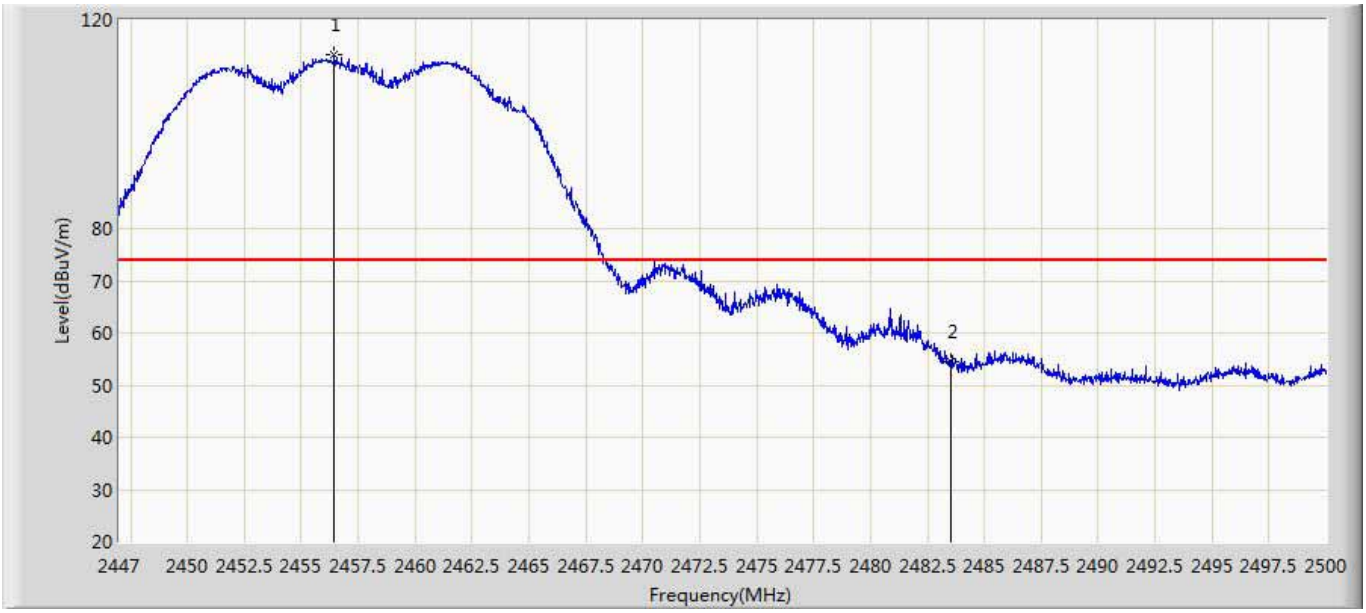
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.673	108.543	72.688	54.543	54.000	35.855	AV
2		2483.500	53.096	17.204	-0.904	54.000	35.891	AV
3		2484.604	53.709	17.809	-0.291	54.000	35.900	AV

Site: AC5	Time: 2017/03/04 - 16:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2457MHz by 802.11g	



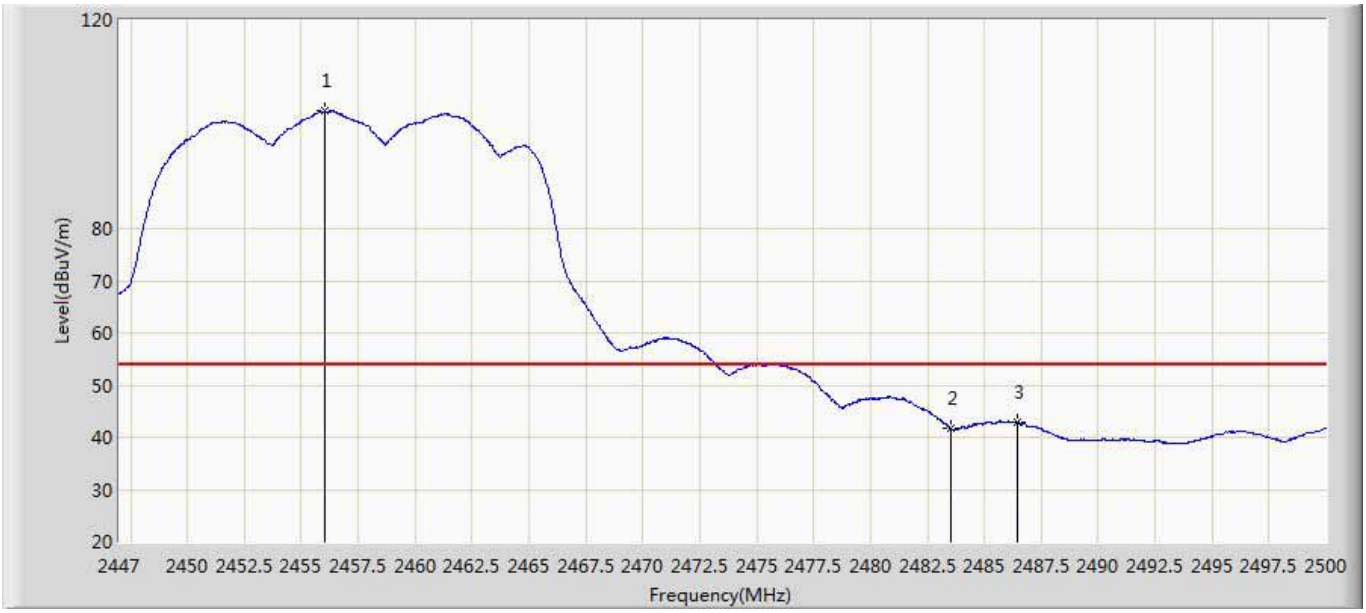
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.930	116.435	80.583	42.435	74.000	35.852	PK
2		2483.500	68.549	32.657	-5.451	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 16:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2457MHz by 802.11g	



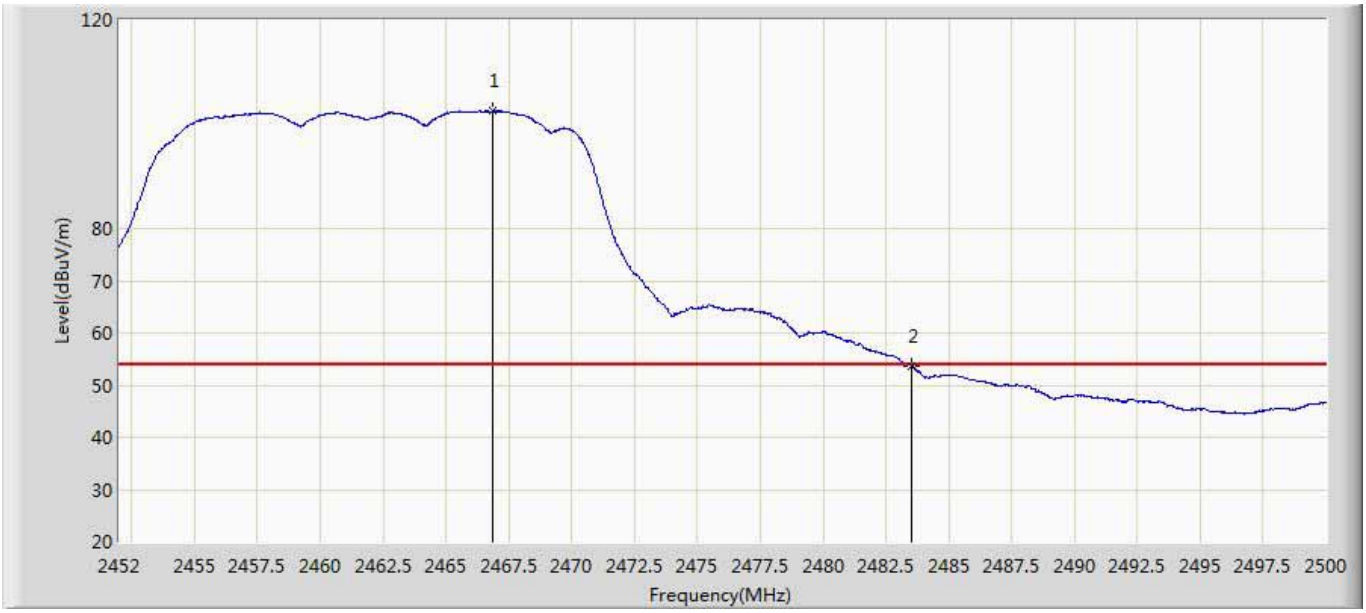
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.460	113.242	77.388	39.242	74.000	35.854	PK
2		2483.500	54.447	18.555	-19.553	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 16:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2457MHz by 802.11g	



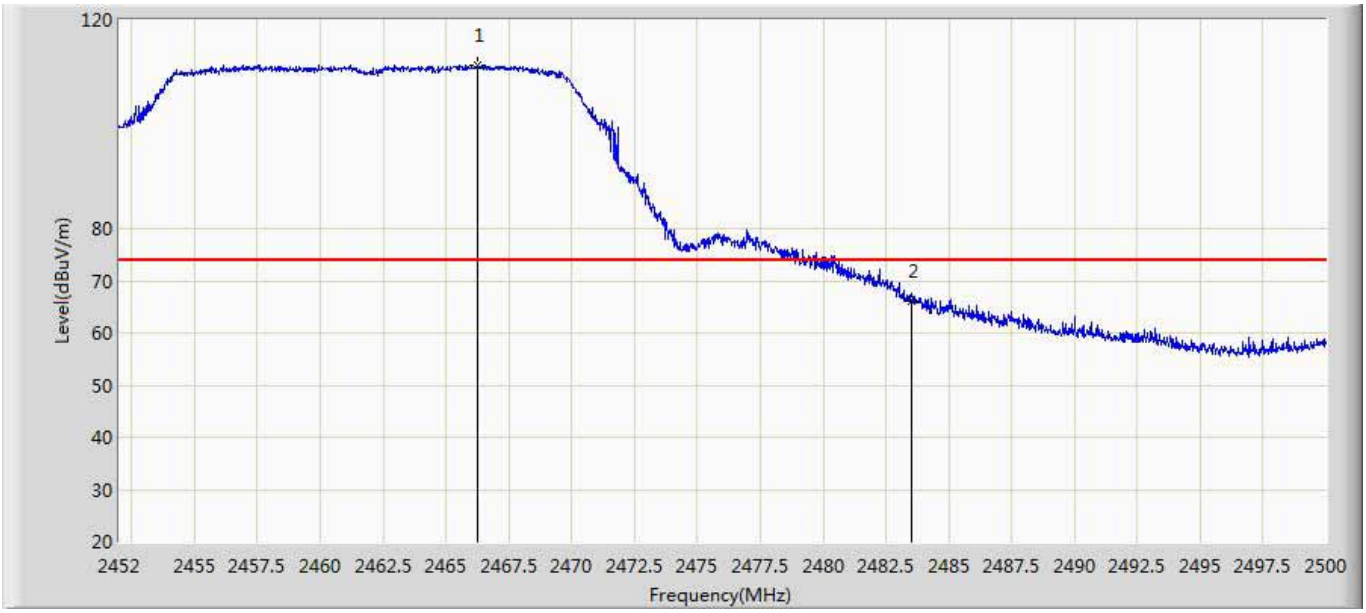
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.037	102.490	66.638	48.490	54.000	35.852	AV
2		2483.500	41.780	5.888	-12.220	54.000	35.891	AV
3		2486.458	42.889	6.976	-11.111	54.000	35.913	AV

Site: AC5	Time: 2017/02/21 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



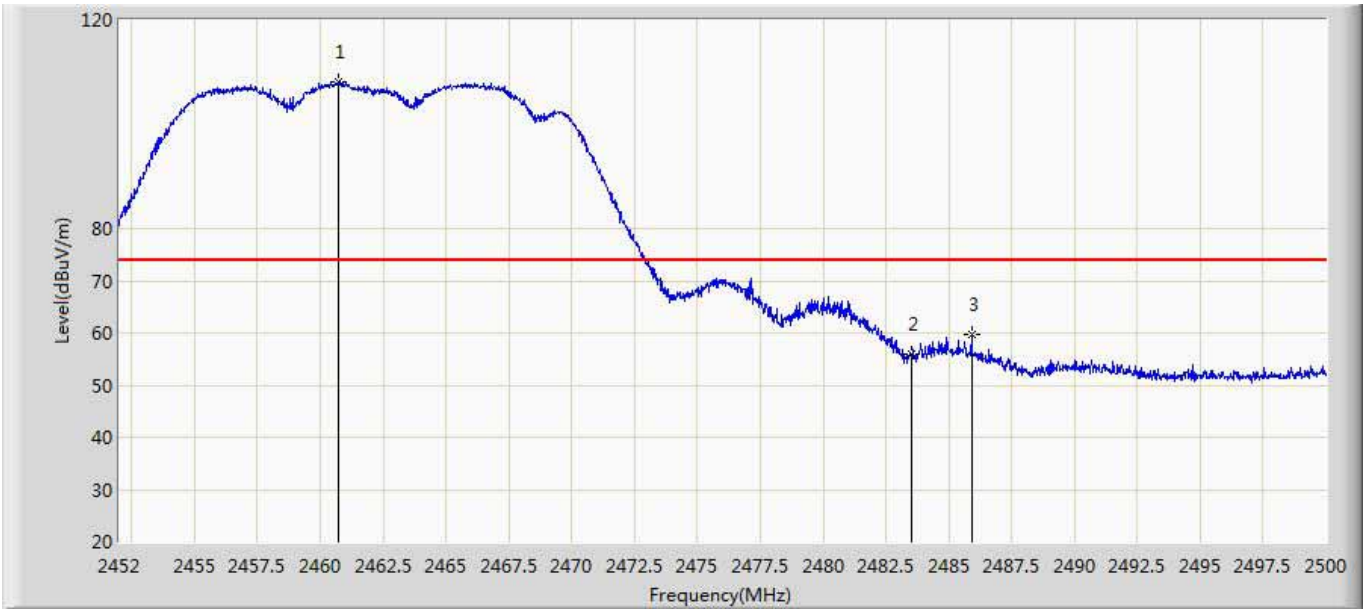
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2466.856	102.498	66.625	48.498	54.000	35.873	AV
2		2483.500	53.759	17.867	-0.241	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 01:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



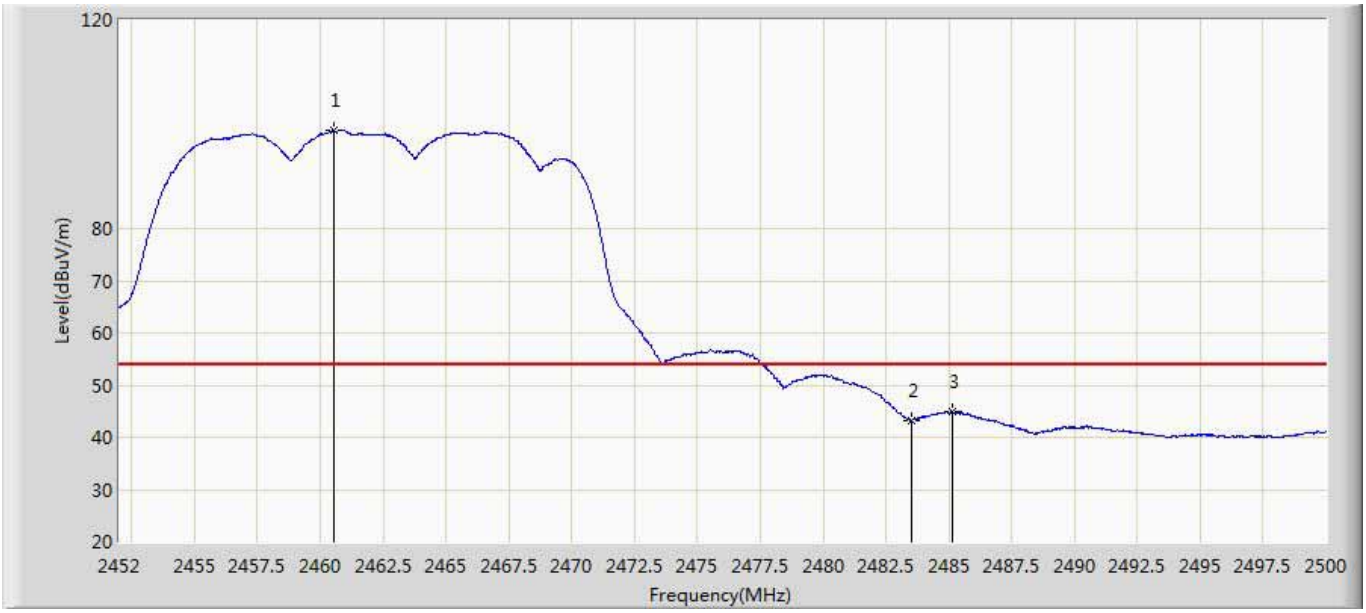
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2466.280	111.359	75.486	37.359	74.000	35.873	PK
2		2483.500	66.054	30.162	-7.946	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 01:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



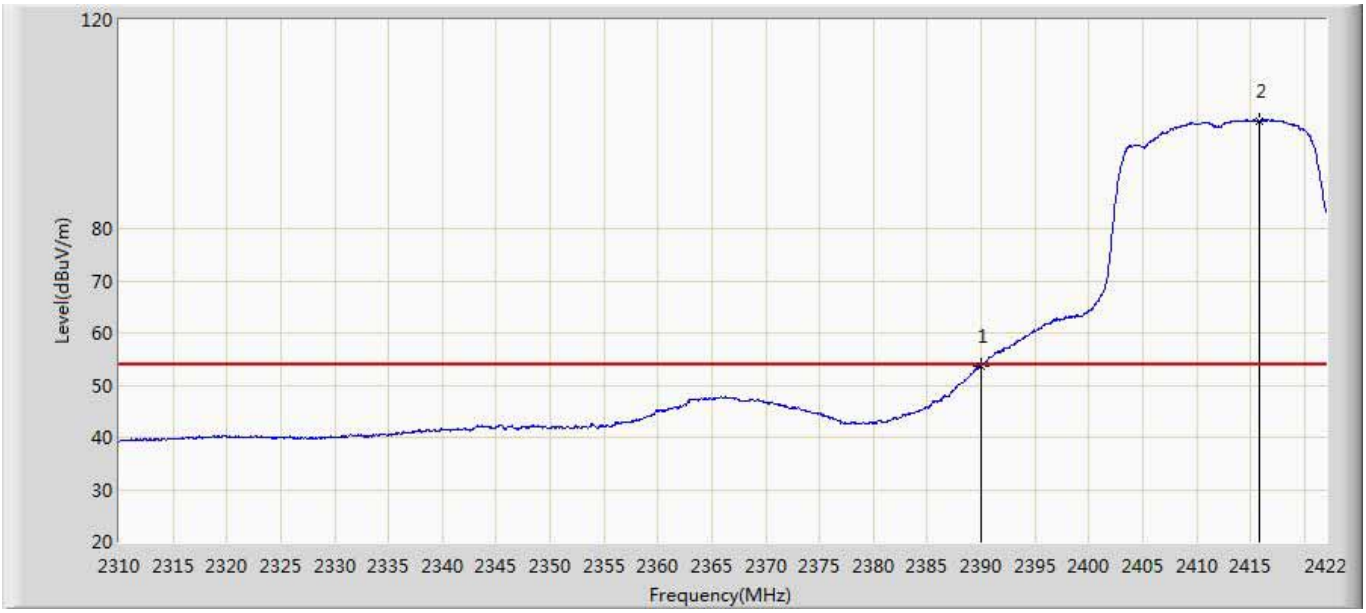
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.712	108.121	72.248	34.121	74.000	35.872	PK
2		2483.500	55.825	19.933	-18.175	74.000	35.891	PK
3		2485.912	59.614	23.705	-14.386	74.000	35.909	PK

Site: AC5	Time: 2017/02/21 - 01:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



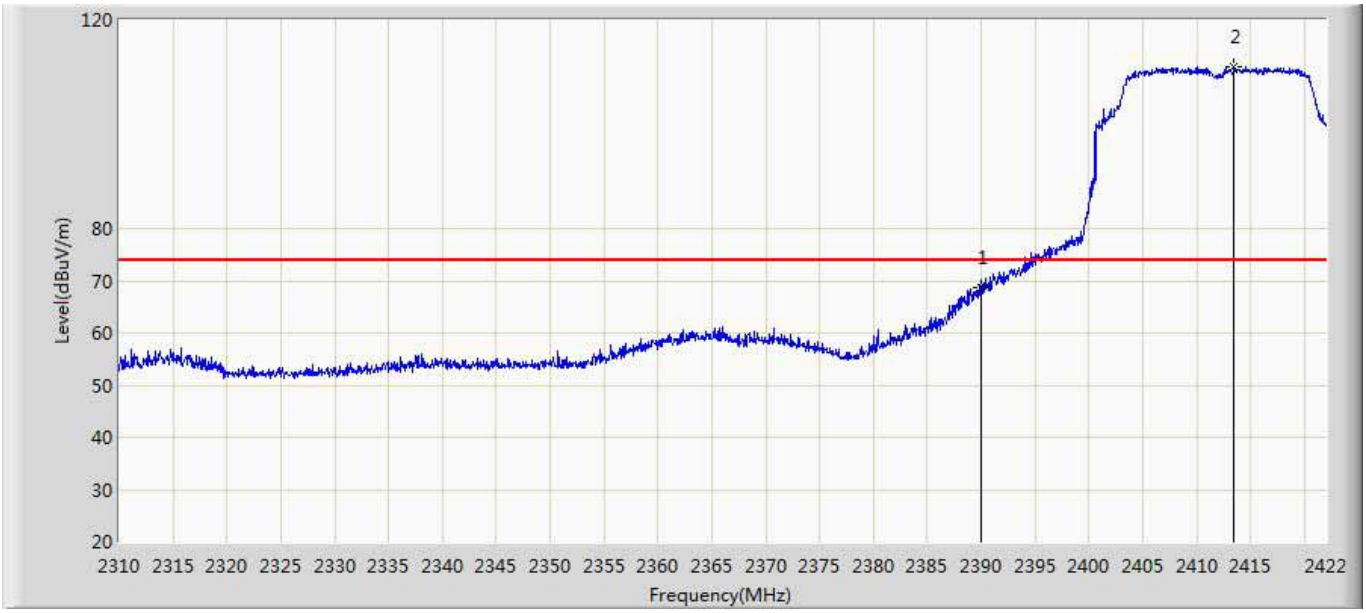
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.520	98.734	62.862	44.734	54.000	35.872	AV
2		2483.500	43.188	7.296	-10.812	54.000	35.891	AV
3		2485.168	44.801	8.897	-9.199	54.000	35.903	AV

Site: AC5	Time: 2017/02/21 - 01:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n20	



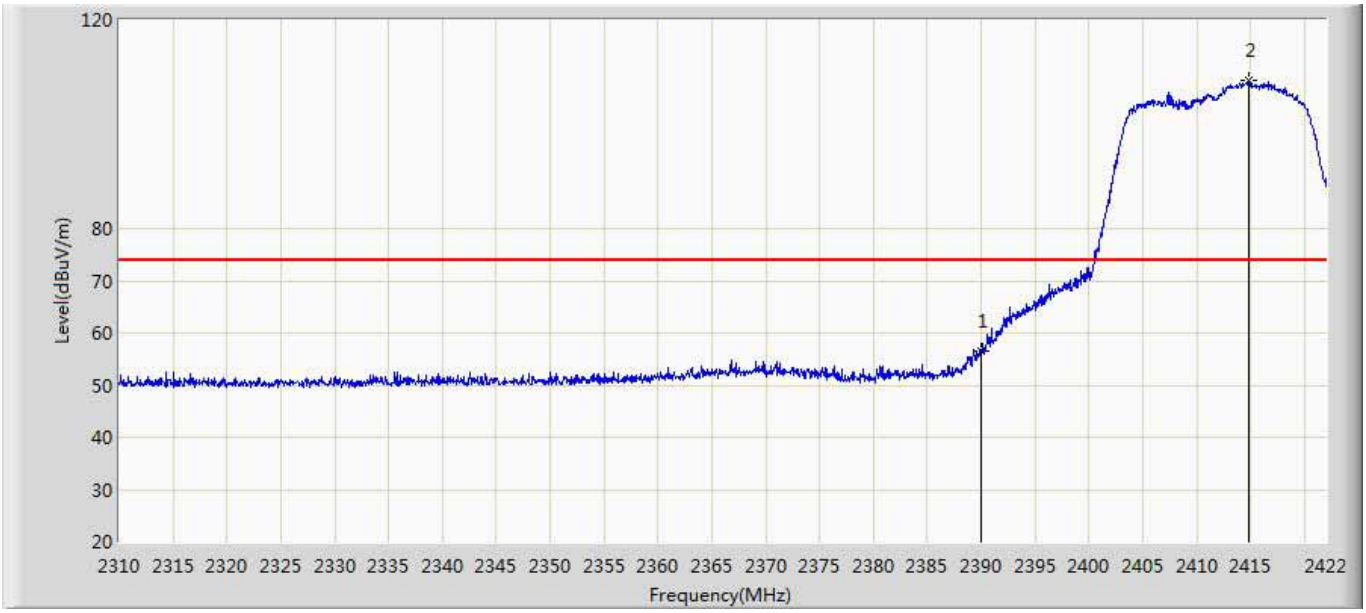
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.697	18.015	-0.303	54.000	35.682	AV
2	*	2415.840	100.603	64.845	46.603	54.000	35.758	AV

Site: AC5	Time: 2017/02/21 - 01:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n20	



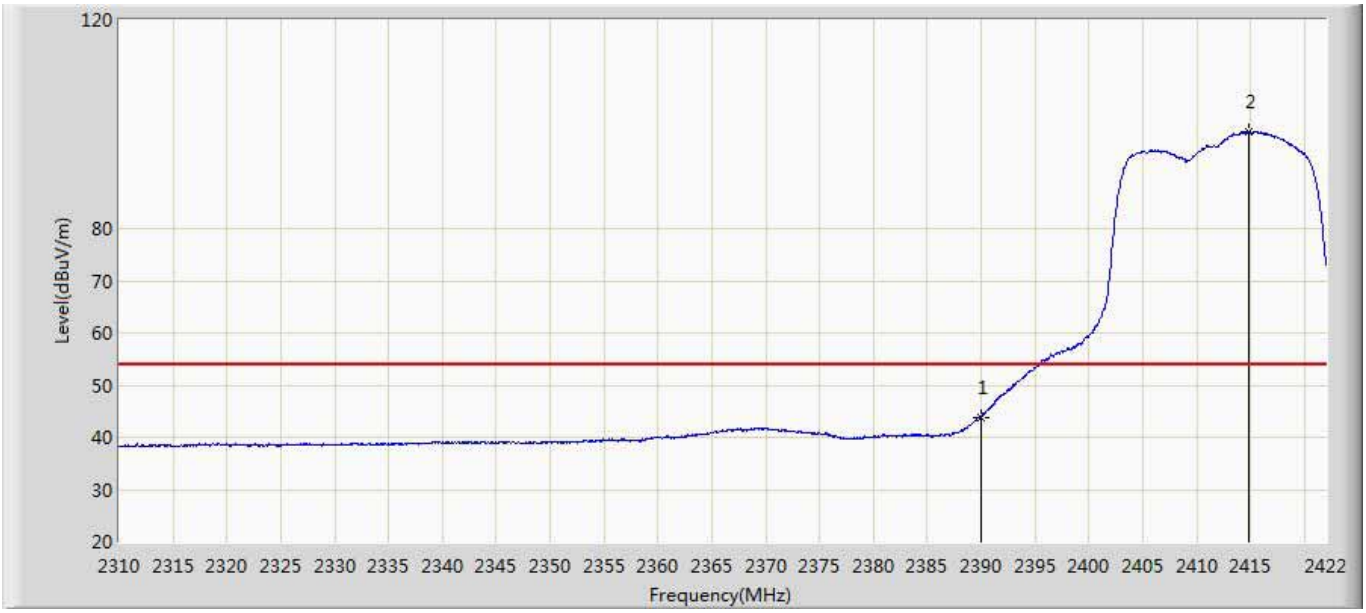
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.599	32.917	-5.401	74.000	35.682	PK
2	*	2413.432	111.069	75.322	37.069	74.000	35.747	PK

Site: AC5	Time: 2017/02/21 - 01:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n20	



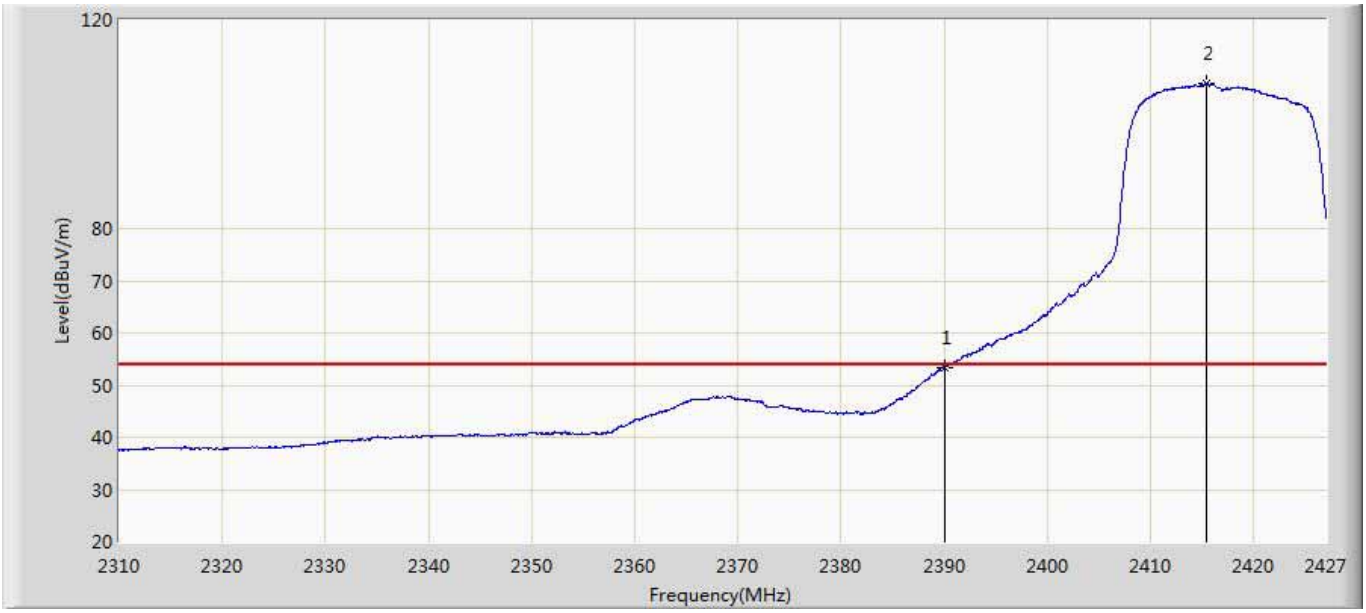
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	56.485	20.803	-17.515	74.000	35.682	PK
2	*	2414.888	108.311	72.557	34.311	74.000	35.754	PK

Site: AC5	Time: 2017/02/21 - 01:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n20	



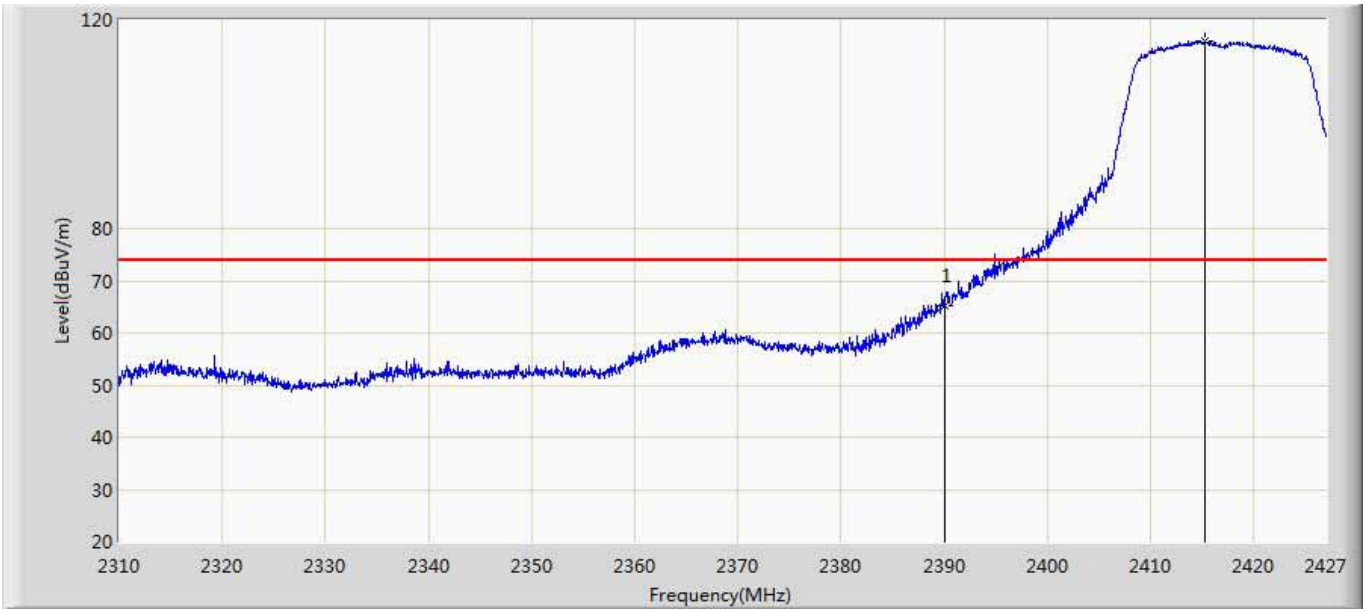
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	43.909	8.227	-10.091	54.000	35.682	AV
2	*	2414.776	98.490	62.737	44.490	54.000	35.753	AV

Site: AC5	Time: 2017/03/04 - 16:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2417MHz by 802.11n20	



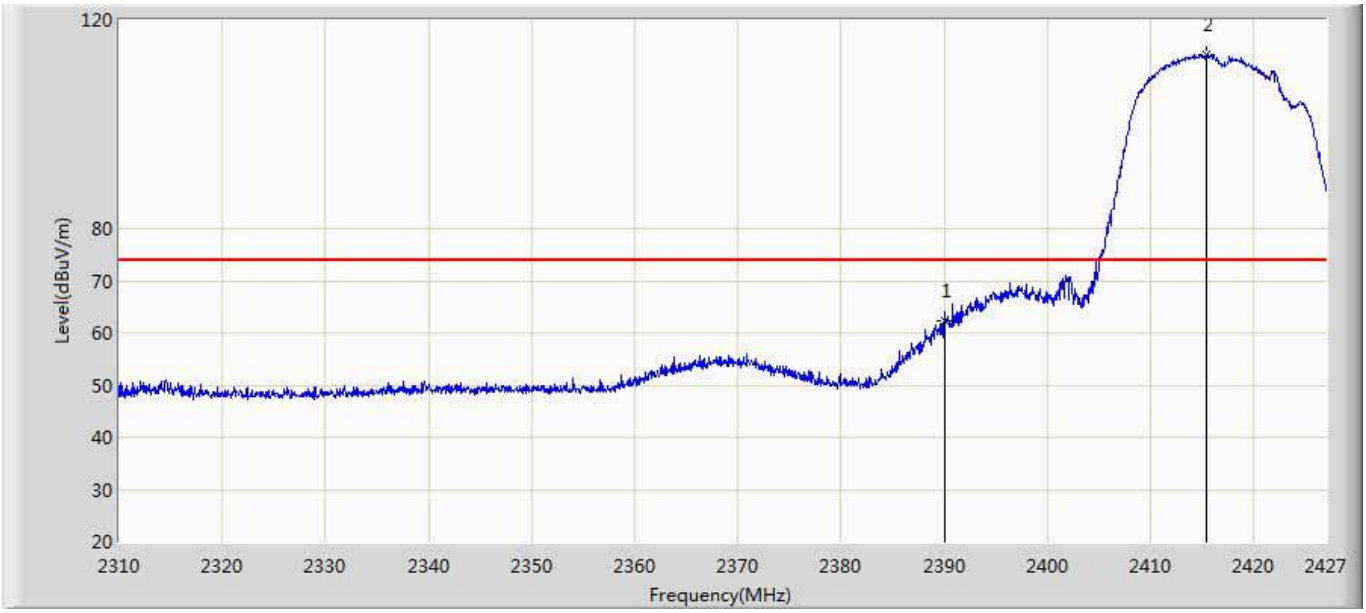
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.465	17.783	-0.535	54.000	35.682	AV
2	*	2415.476	107.754	71.998	53.754	54.000	35.756	AV

Site: AC5	Time: 2017/03/04 - 17:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2417MHz by 802.11n20	



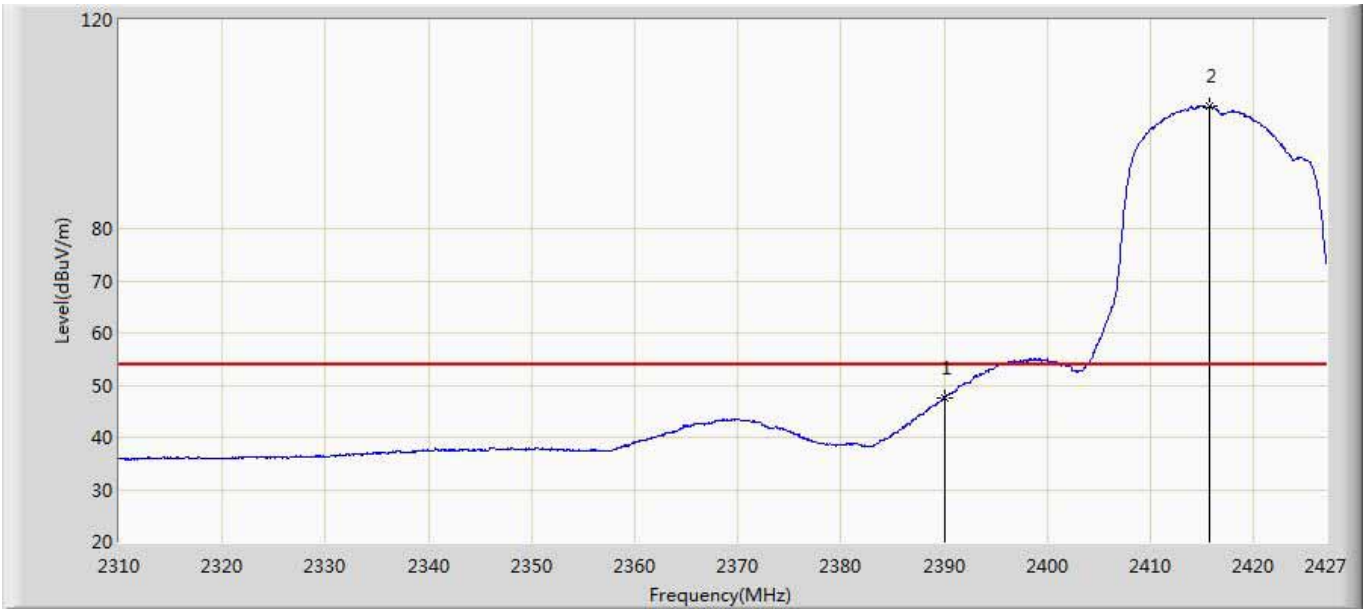
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.158	29.476	-8.842	74.000	35.682	PK
2	*	2415.300	115.912	80.157	41.912	74.000	35.755	PK

Site: AC5	Time: 2017/03/04 - 17:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2417MHz by 802.11n20	



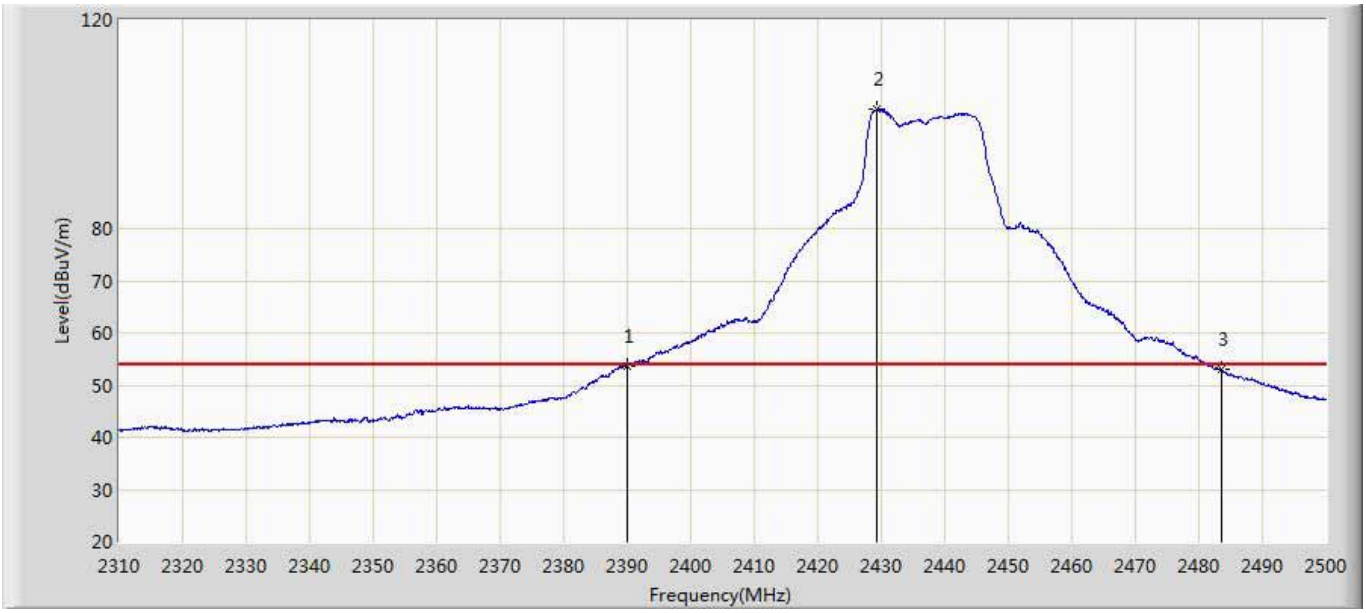
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	62.298	26.616	-11.702	74.000	35.682	PK
2	*	2415.476	113.350	77.594	39.350	74.000	35.756	PK

Site: AC5	Time: 2017/03/04 - 17:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2417MHz by 802.11n20	



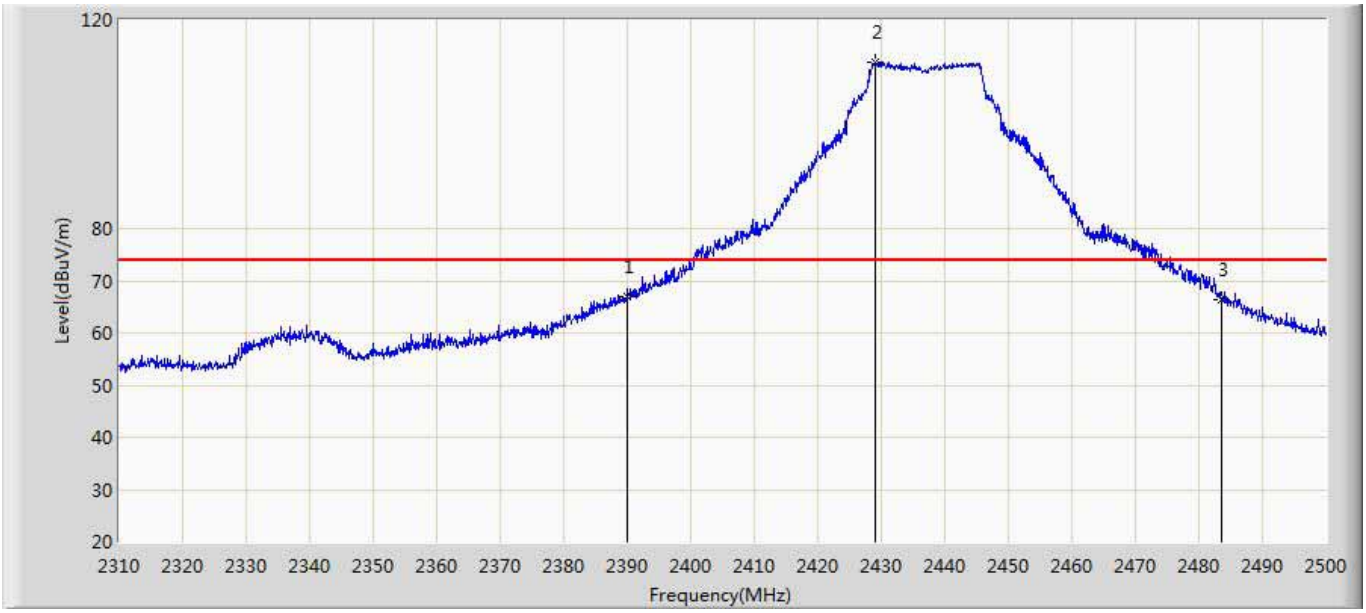
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	47.561	11.879	-6.439	54.000	35.682	AV
2	*	2415.768	103.426	67.669	49.426	54.000	35.757	AV

Site: AC5	Time: 2017/02/21 - 01:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n20	



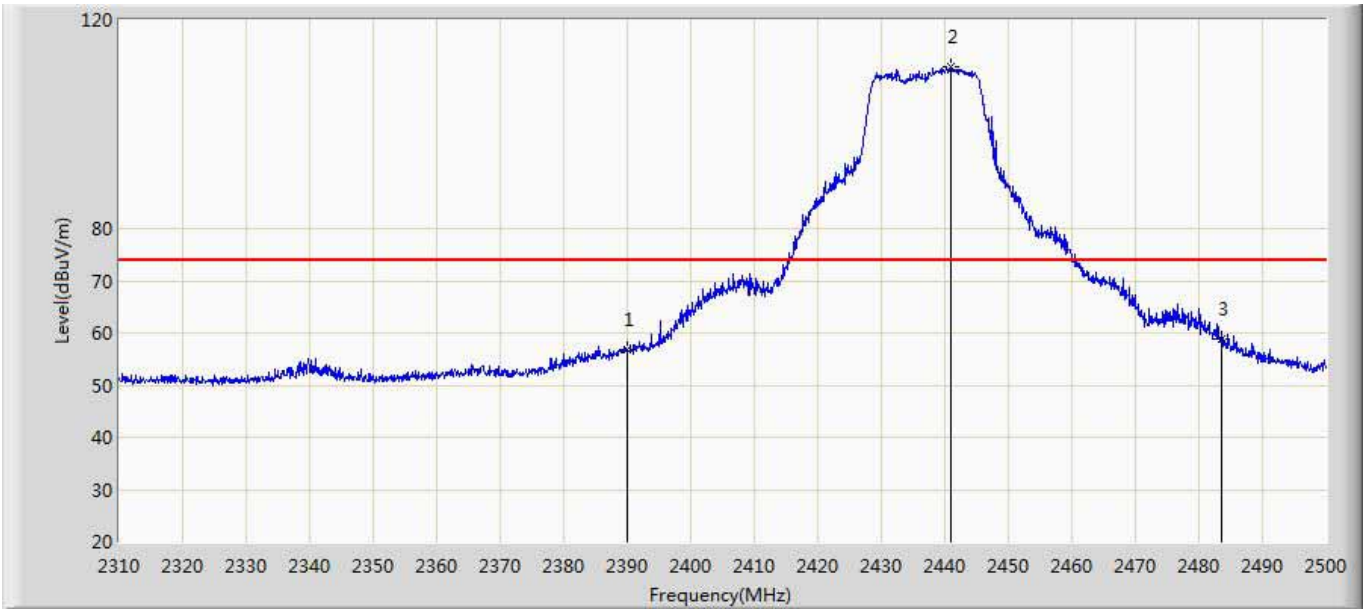
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.682	18.000	-0.318	54.000	35.682	AV
2	*	2429.320	102.821	67.013	48.821	54.000	35.809	AV
3		2483.500	53.155	17.263	-0.845	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 01:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n20	



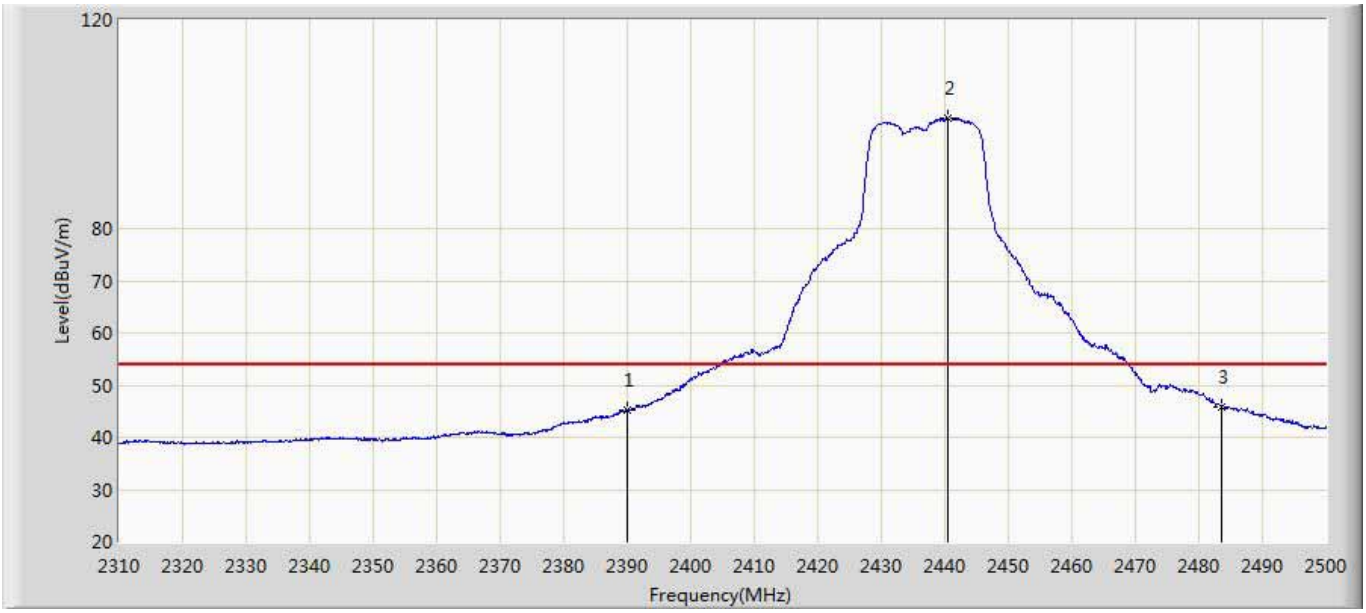
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.826	31.144	-7.174	74.000	35.682	PK
2	*	2429.130	111.807	75.999	37.807	74.000	35.808	PK
3		2483.500	66.302	30.410	-7.698	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 01:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n20	



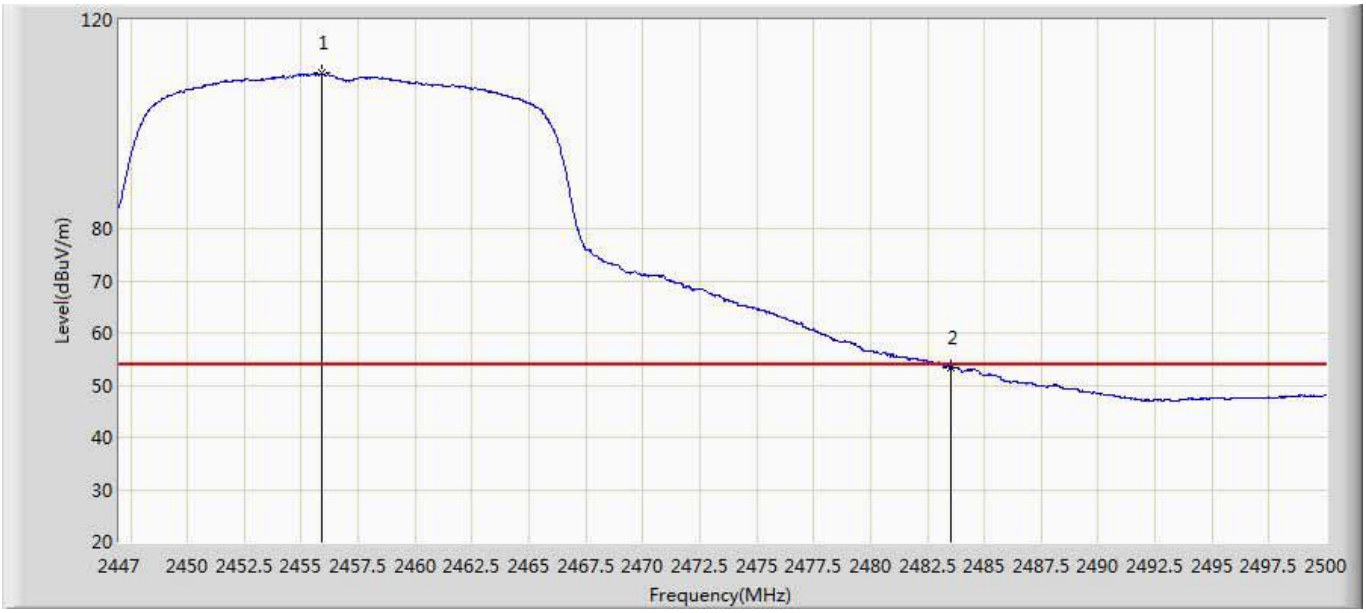
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	56.781	21.099	-17.219	74.000	35.682	PK
2	*	2440.910	110.999	75.194	36.999	74.000	35.805	PK
3		2483.500	58.975	23.083	-15.025	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 01:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n20	



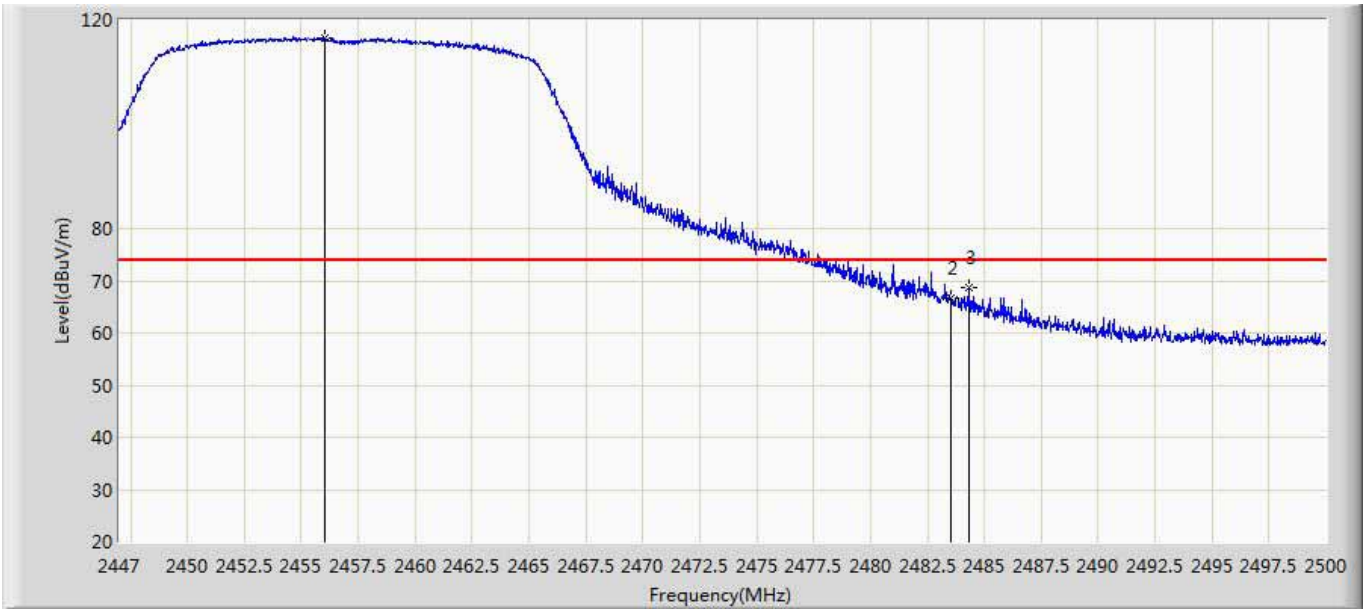
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	45.118	9.436	-8.882	54.000	35.682	AV
2	*	2440.435	101.219	65.414	47.219	54.000	35.806	AV
3		2483.500	45.909	10.017	-8.091	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 17:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2457MHz by 802.11n20	



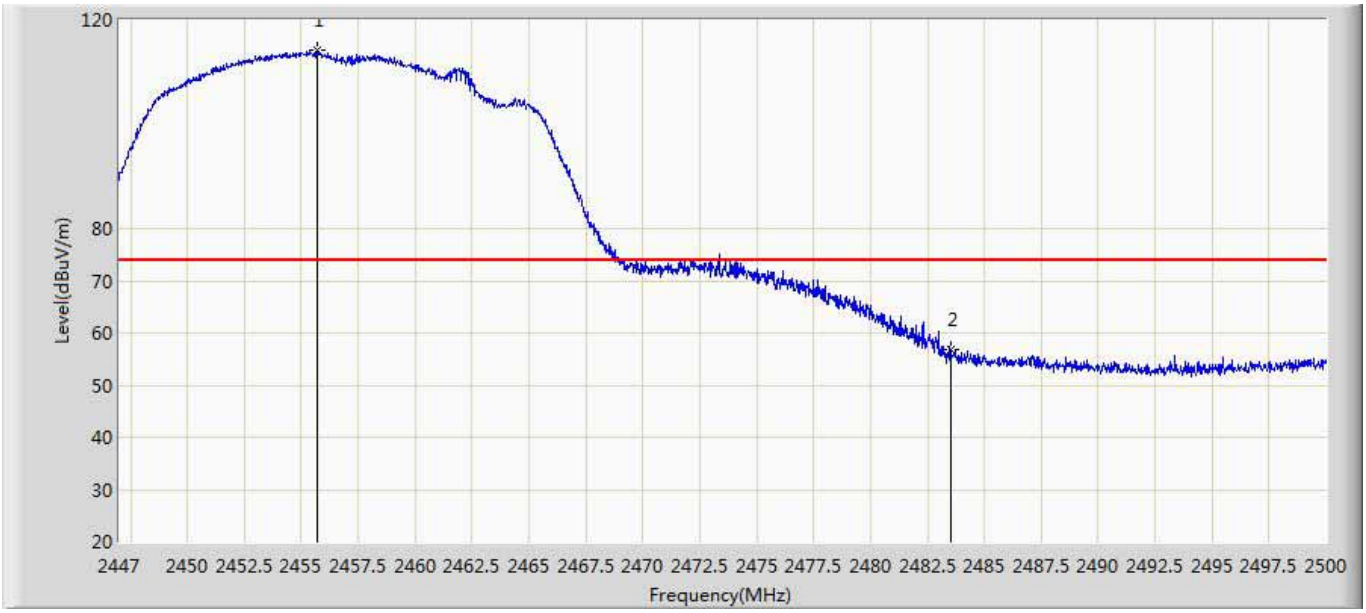
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.877	109.744	73.892	55.744	54.000	35.852	AV
2		2483.500	53.418	17.527	-0.582	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 17:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2457MHz by 802.11n20	



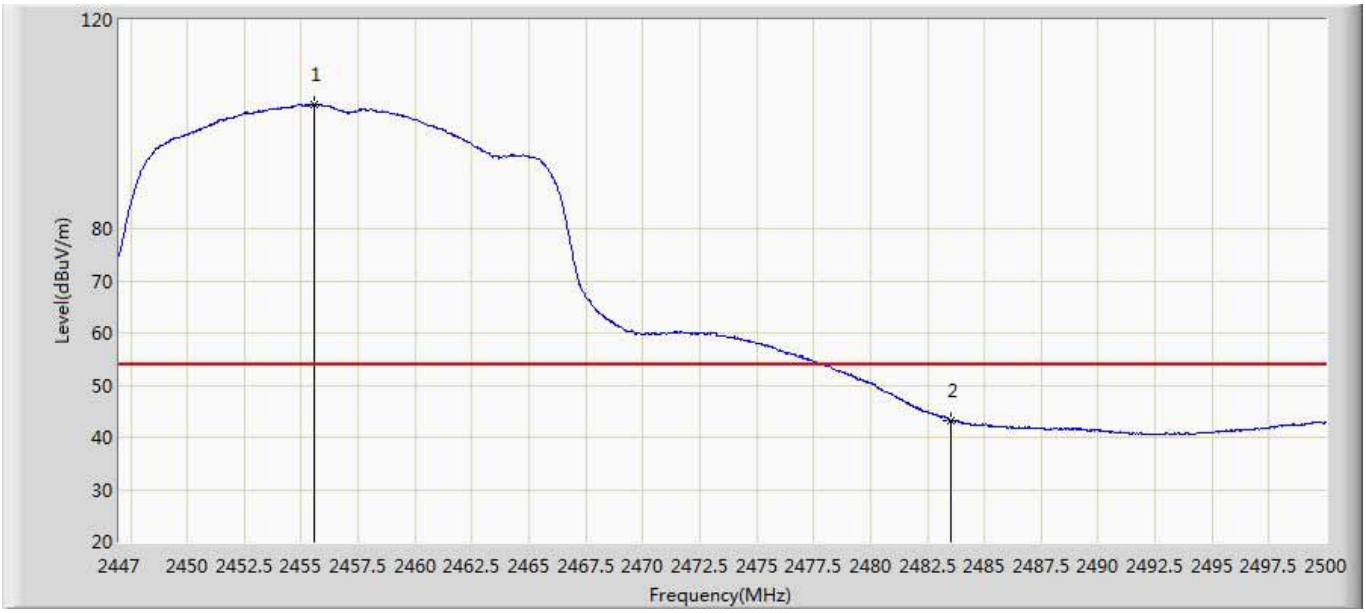
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.037	116.491	80.639	42.491	74.000	35.852	PK
2		2483.500	66.583	30.691	-7.417	74.000	35.891	PK
3		2484.312	68.768	32.870	-5.232	74.000	35.897	PK

Site: AC5	Time: 2017/03/04 - 17:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2457MHz by 802.11n20	



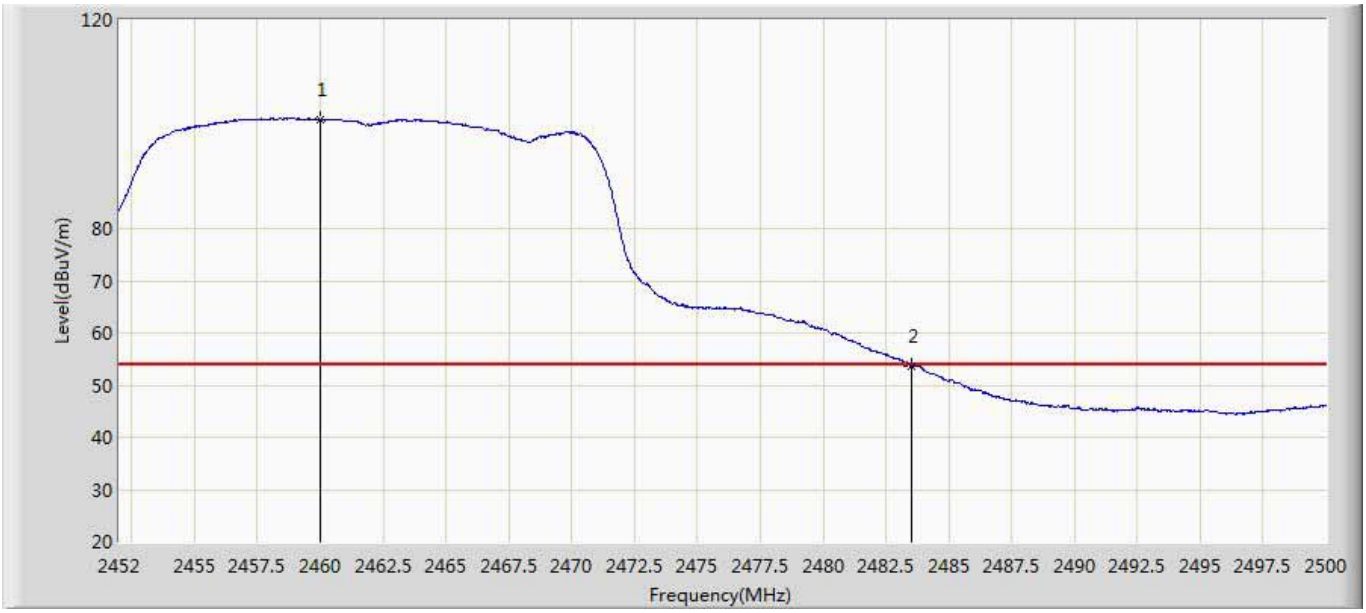
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.692	114.315	78.464	40.315	74.000	35.851	PK
2		2483.500	56.780	20.888	-17.220	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 17:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2457MHz by 802.11n20	



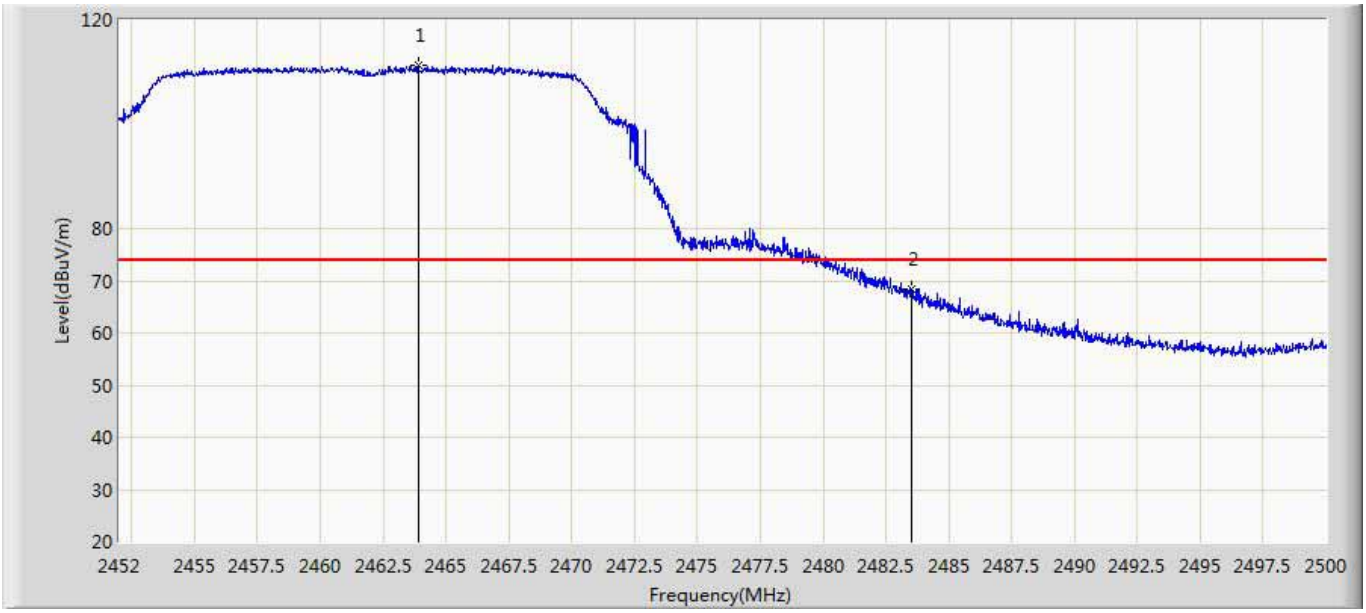
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.586	103.710	67.860	49.710	54.000	35.850	AV
2		2483.500	43.301	7.409	-10.699	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 01:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n20	



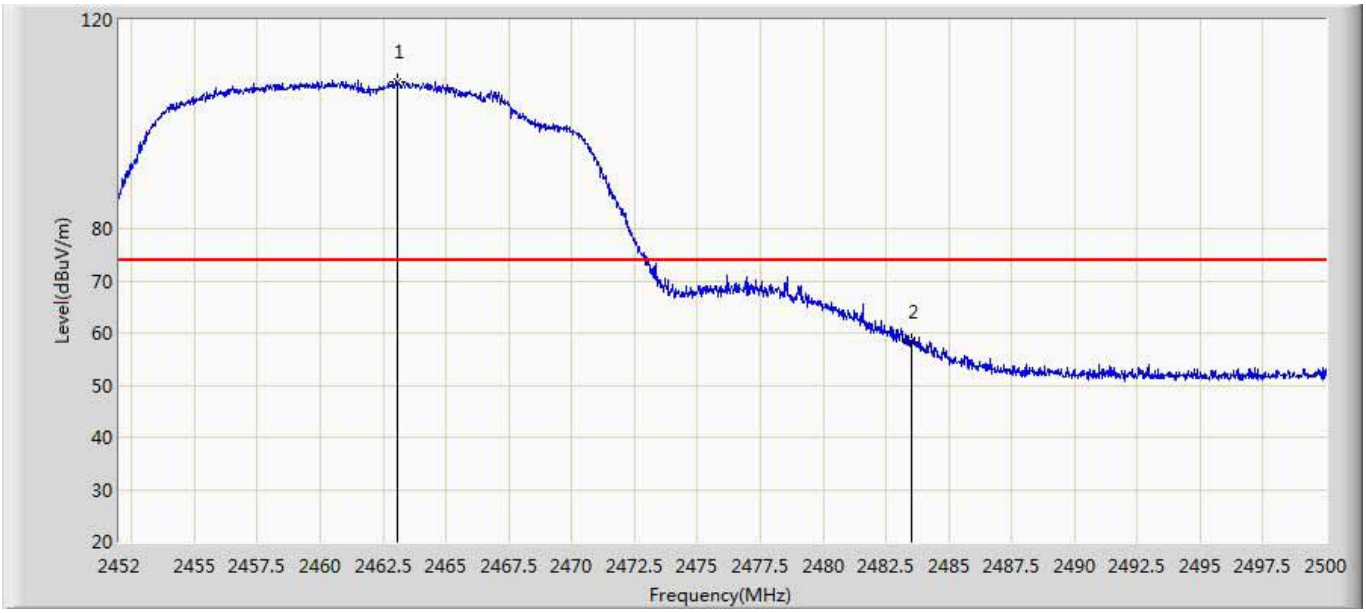
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.016	100.919	65.049	46.919	54.000	35.870	AV
2		2483.500	53.716	17.824	-0.284	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 01:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n20	



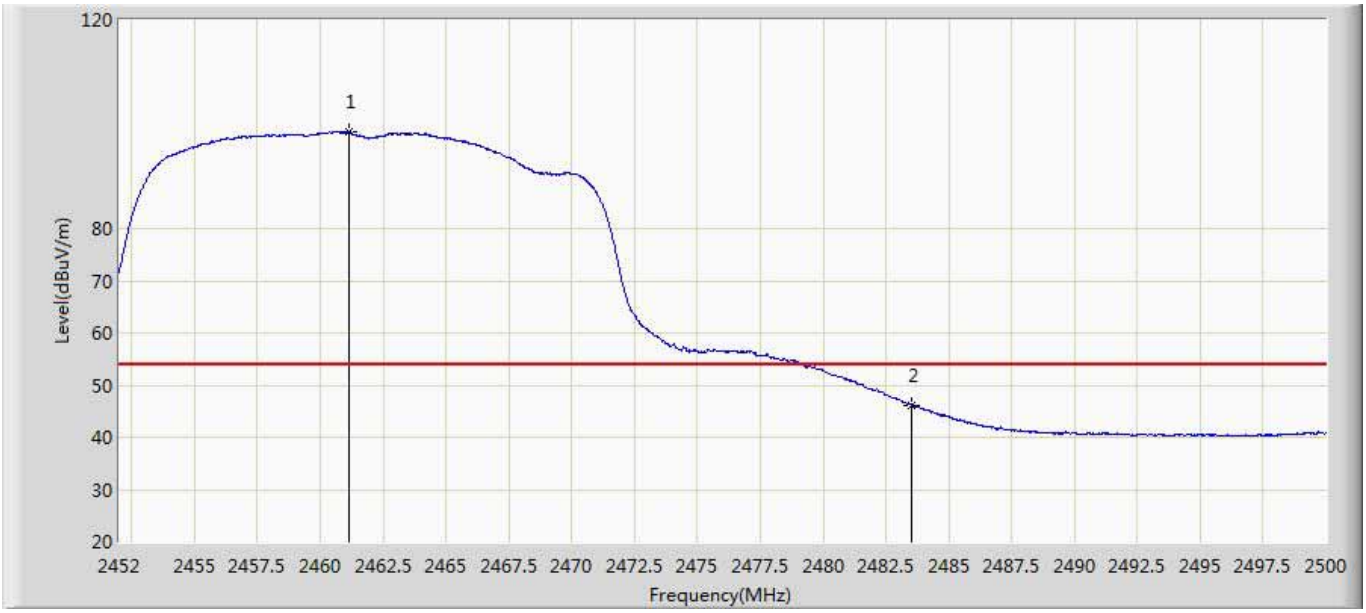
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.904	111.283	75.407	37.283	74.000	35.876	PK
2		2483.500	68.402	32.510	-5.598	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 01:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n20	



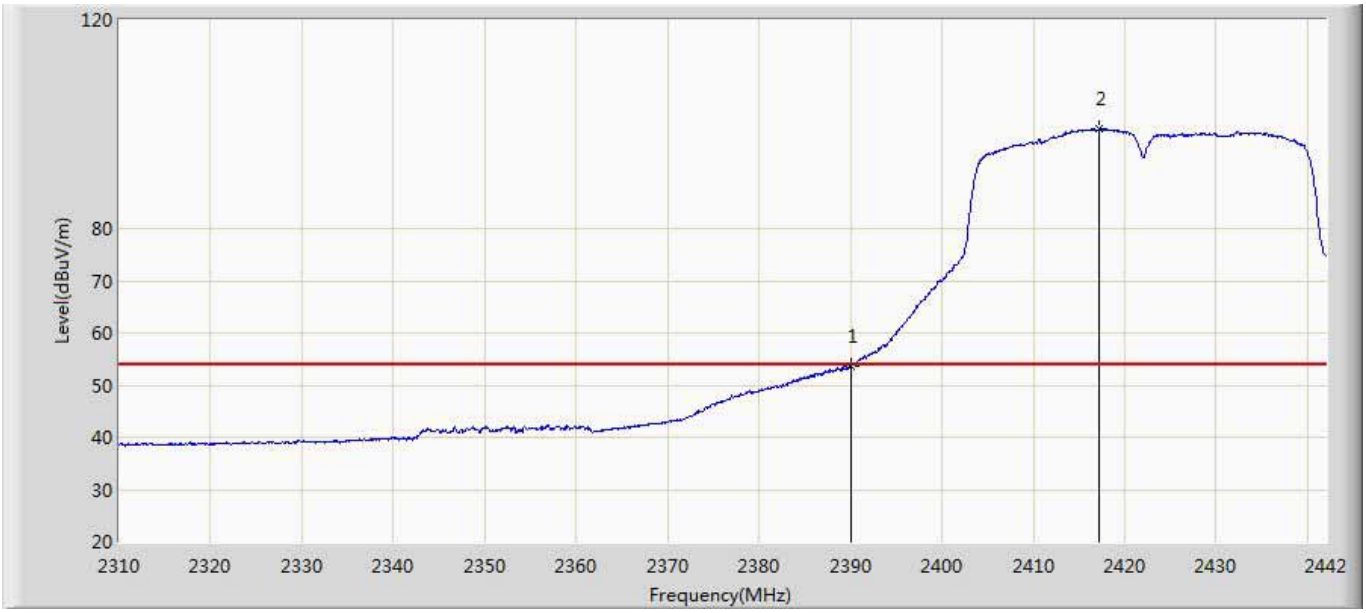
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.040	108.088	72.211	34.088	74.000	35.877	PK
2		2483.500	58.328	22.436	-15.672	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 01:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n20	



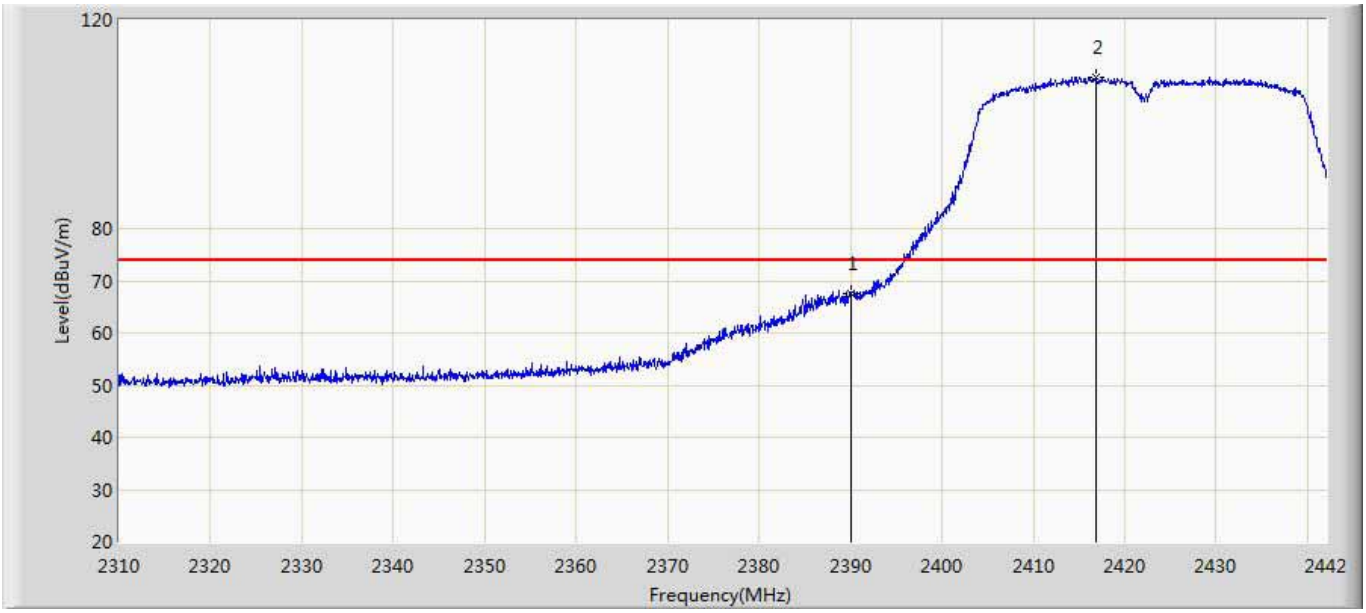
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.144	98.563	62.688	44.563	54.000	35.875	AV
2		2483.500	46.224	10.332	-7.776	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 01:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11n40	



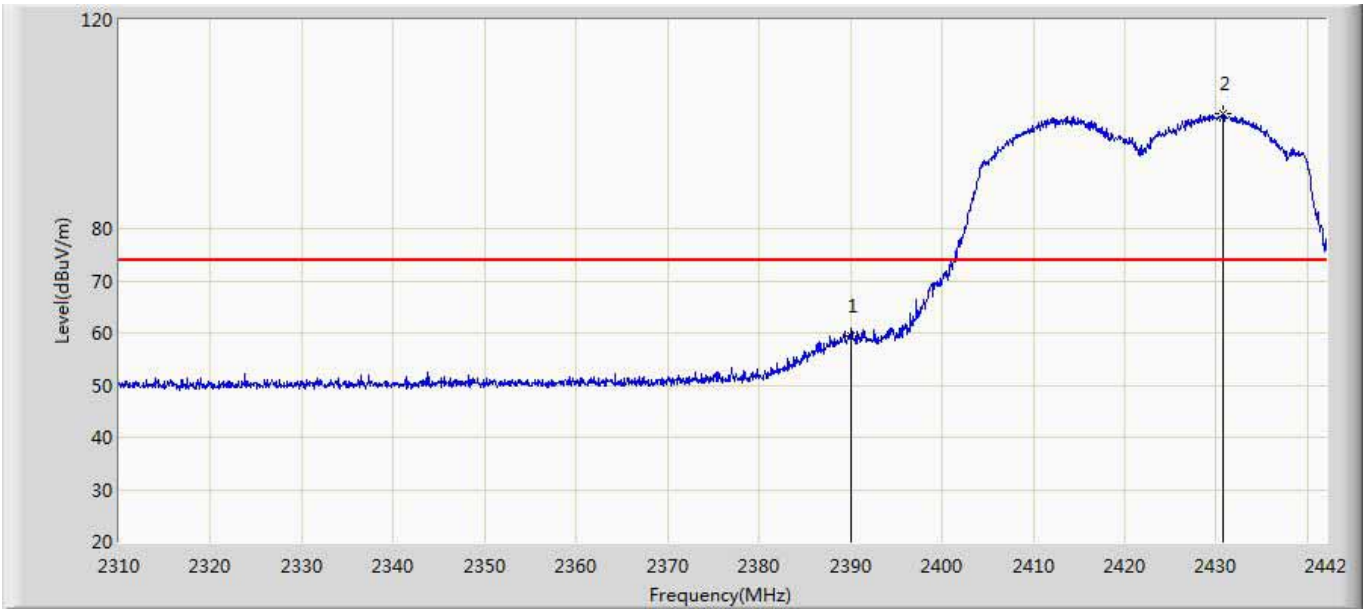
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.700	18.018	-0.300	54.000	35.682	AV
2	*	2417.184	99.097	63.334	45.097	54.000	35.764	AV

Site: AC5	Time: 2017/02/21 - 01:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11n40	



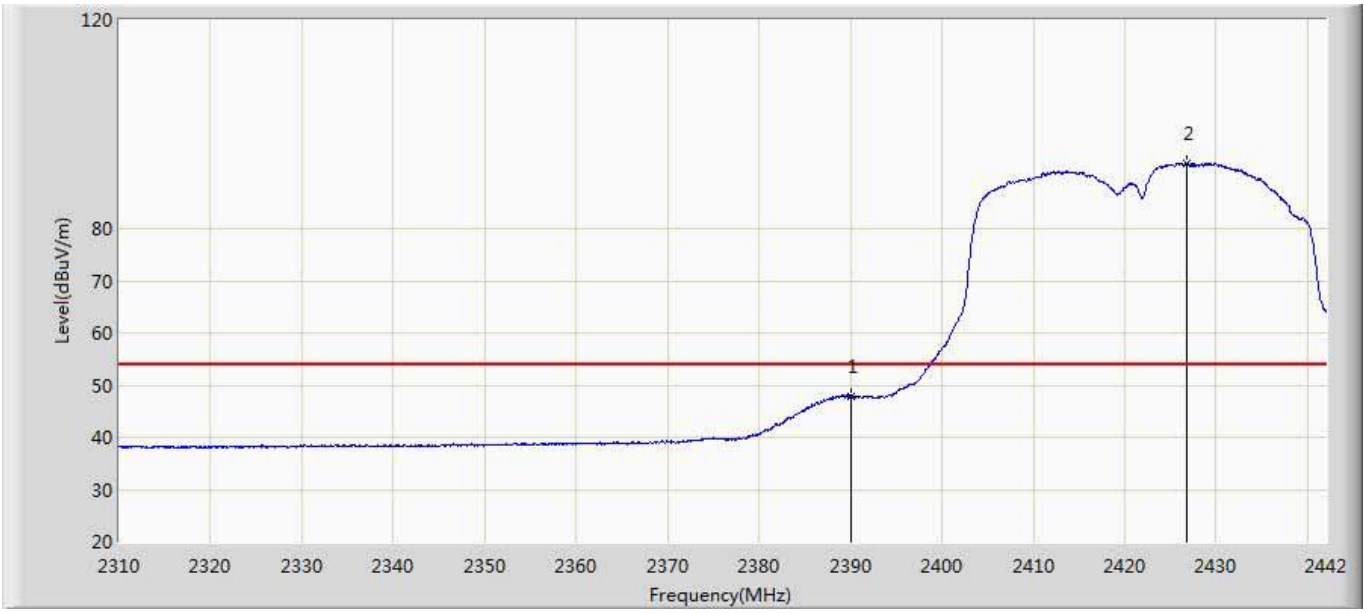
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	67.567	31.885	-6.433	74.000	35.682	PK
2	*	2416.920	109.120	73.358	35.120	74.000	35.762	PK

Site: AC5	Time: 2017/02/21 - 01:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11n40	



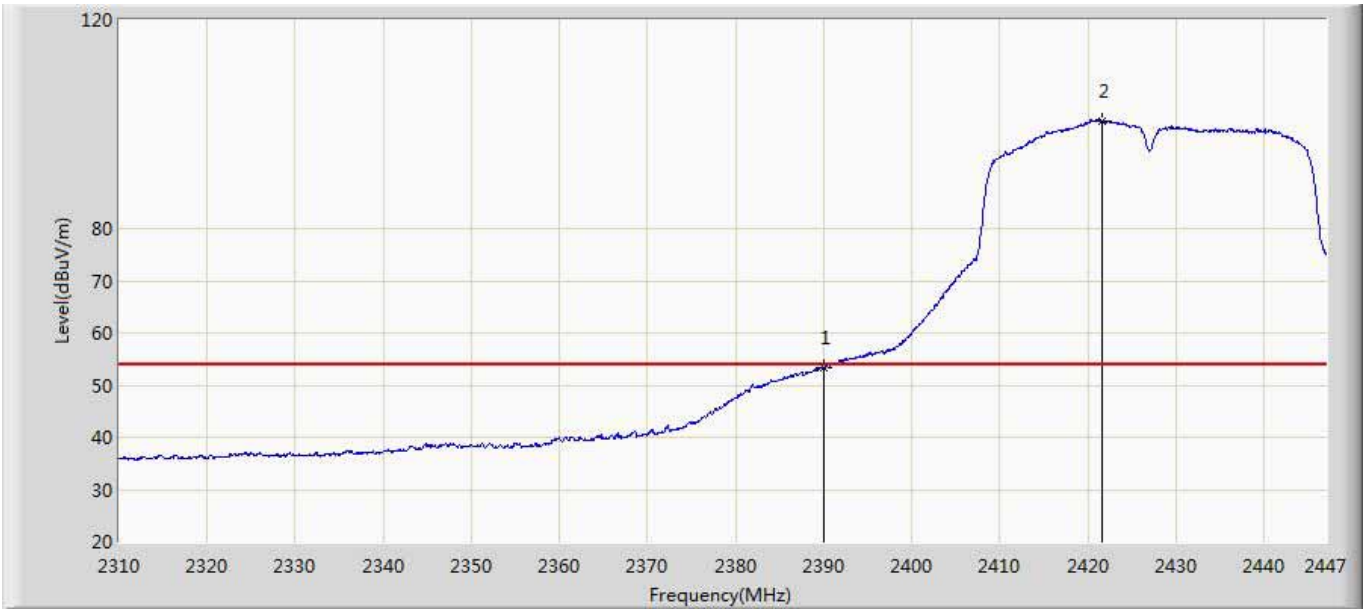
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	59.492	23.810	-14.508	74.000	35.682	PK
2	*	2430.714	101.956	66.148	27.956	74.000	35.808	PK

Site: AC5	Time: 2017/02/21 - 01:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2422MHz by 802.11n40	



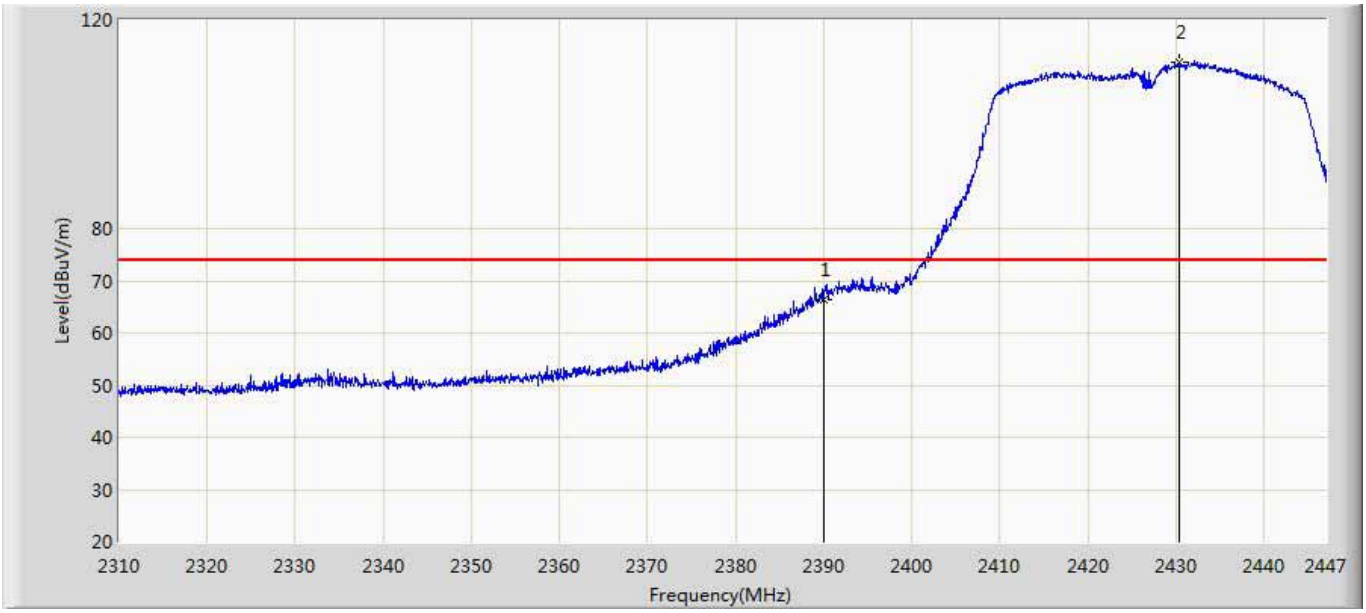
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	47.913	12.231	-6.087	54.000	35.682	AV
2	*	2426.820	92.558	56.754	38.558	54.000	35.804	AV

Site: AC5	Time: 2017/03/04 - 17:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11n40	



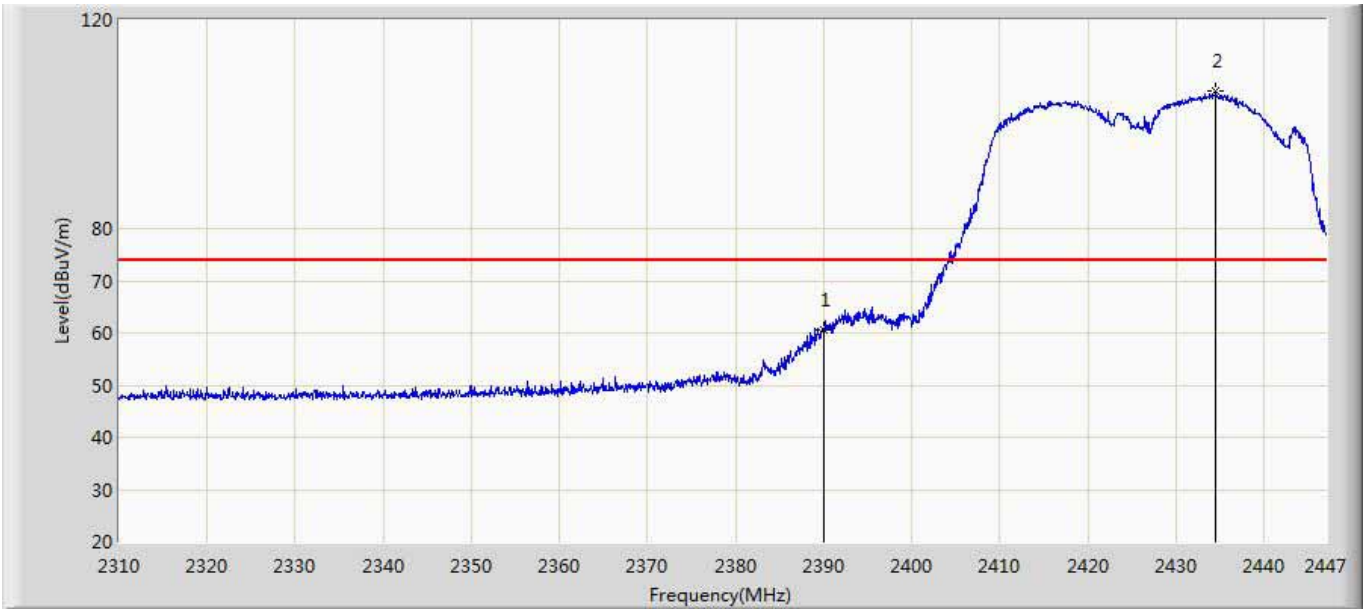
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.293	17.611	-0.707	54.000	35.682	AV
2	*	2421.518	100.650	64.869	46.650	54.000	35.781	AV

Site: AC5	Time: 2017/03/04 - 17:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11n40	



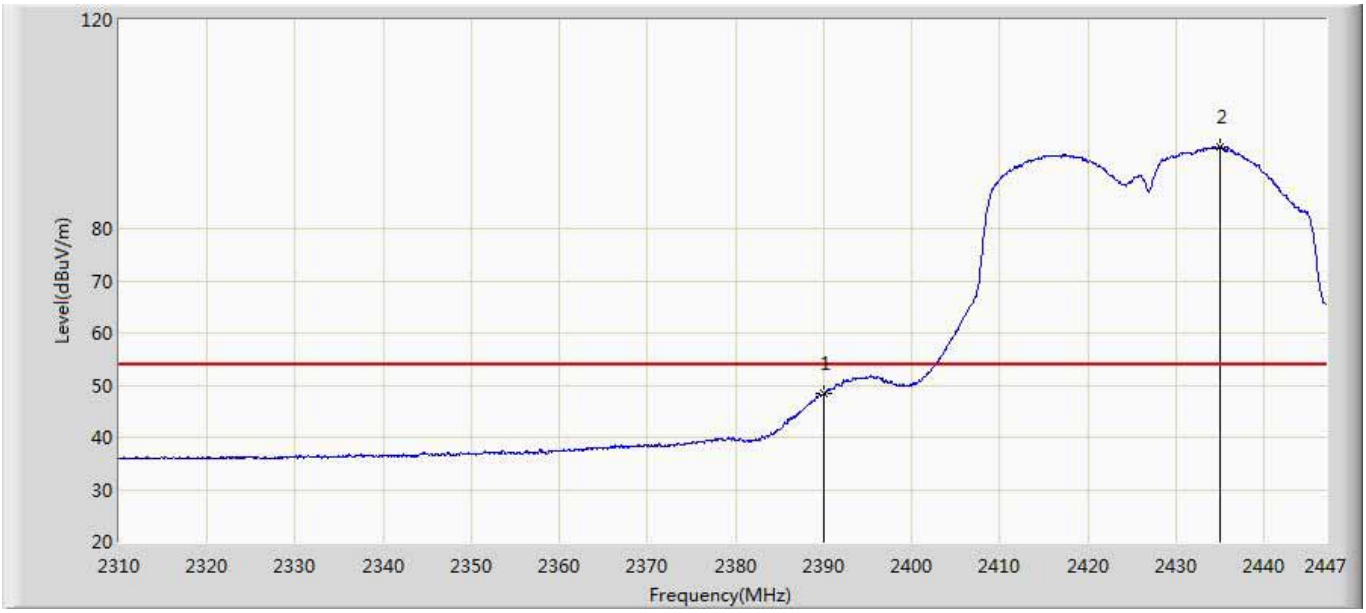
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.384	30.702	-7.616	74.000	35.682	PK
2	*	2430.354	111.959	76.151	37.959	74.000	35.808	PK

Site: AC5	Time: 2017/03/04 - 17:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11n40	



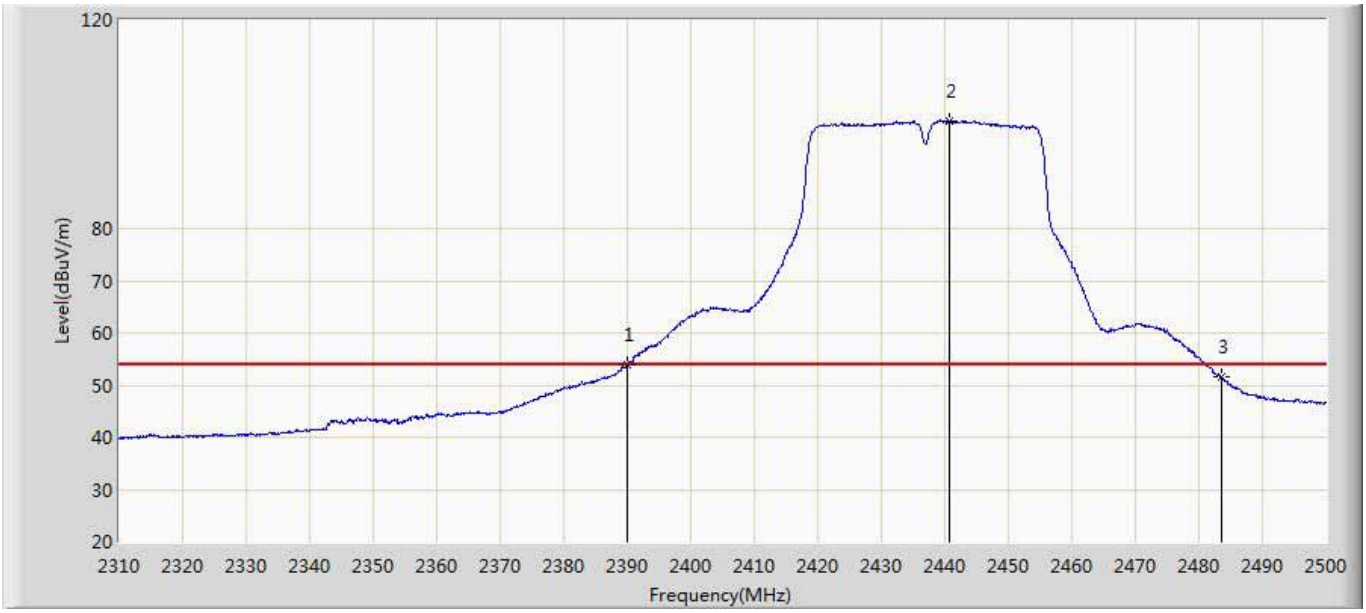
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	60.481	24.799	-13.519	74.000	35.682	PK
2	*	2434.465	106.331	70.524	32.331	74.000	35.807	PK

Site: AC5	Time: 2017/03/04 - 17:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2427MHz by 802.11n40	



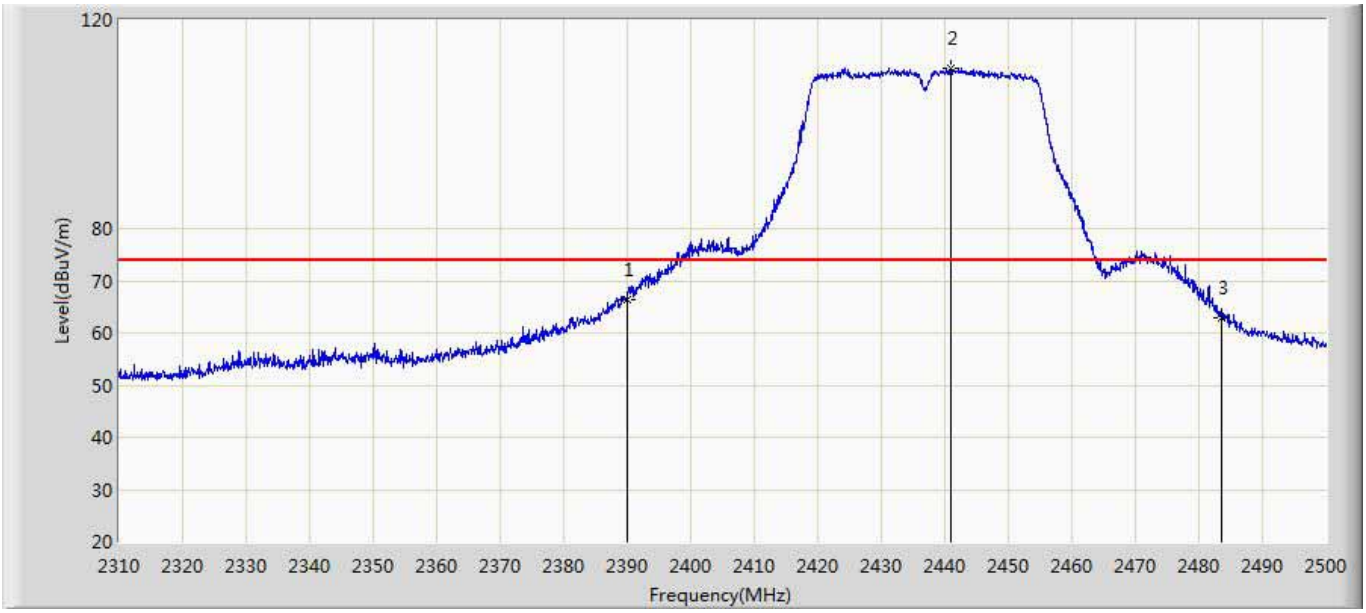
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	48.301	12.619	-5.699	54.000	35.682	AV
2	*	2435.012	95.629	59.822	41.629	54.000	35.806	AV

Site: AC5	Time: 2017/02/21 - 01:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11n40	



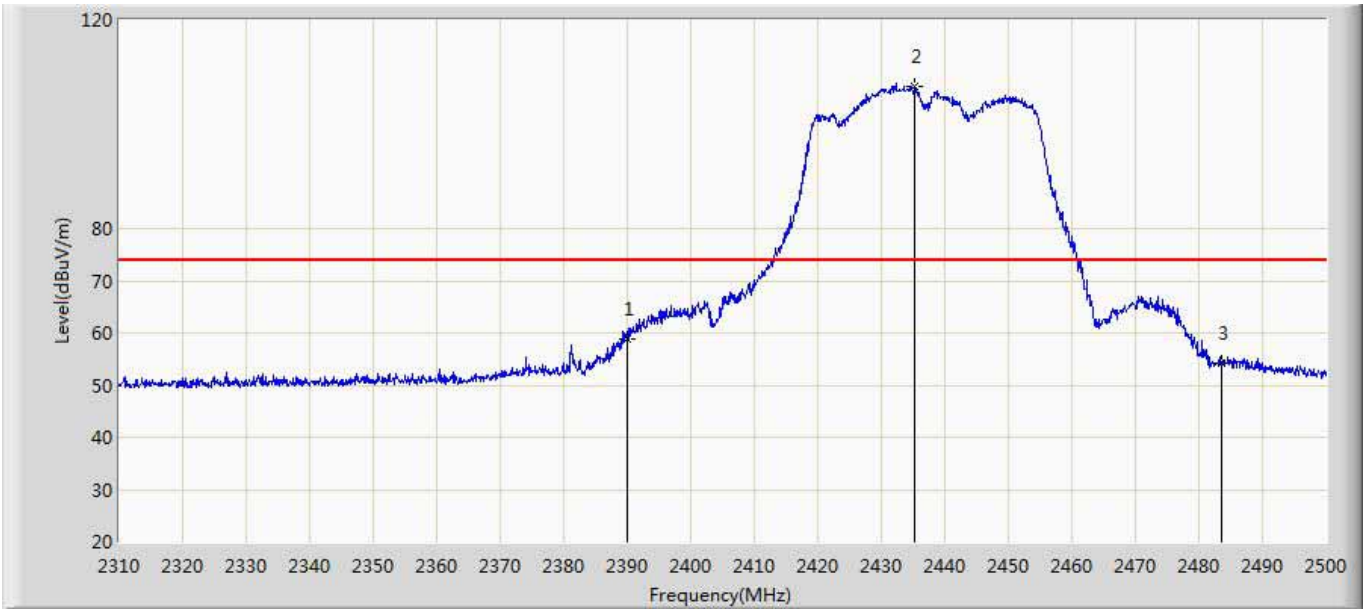
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.933	18.251	-0.067	54.000	35.682	AV
2	*	2440.625	100.695	64.890	46.695	54.000	35.805	AV
3		2483.500	51.529	15.637	-2.471	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 02:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11n40	



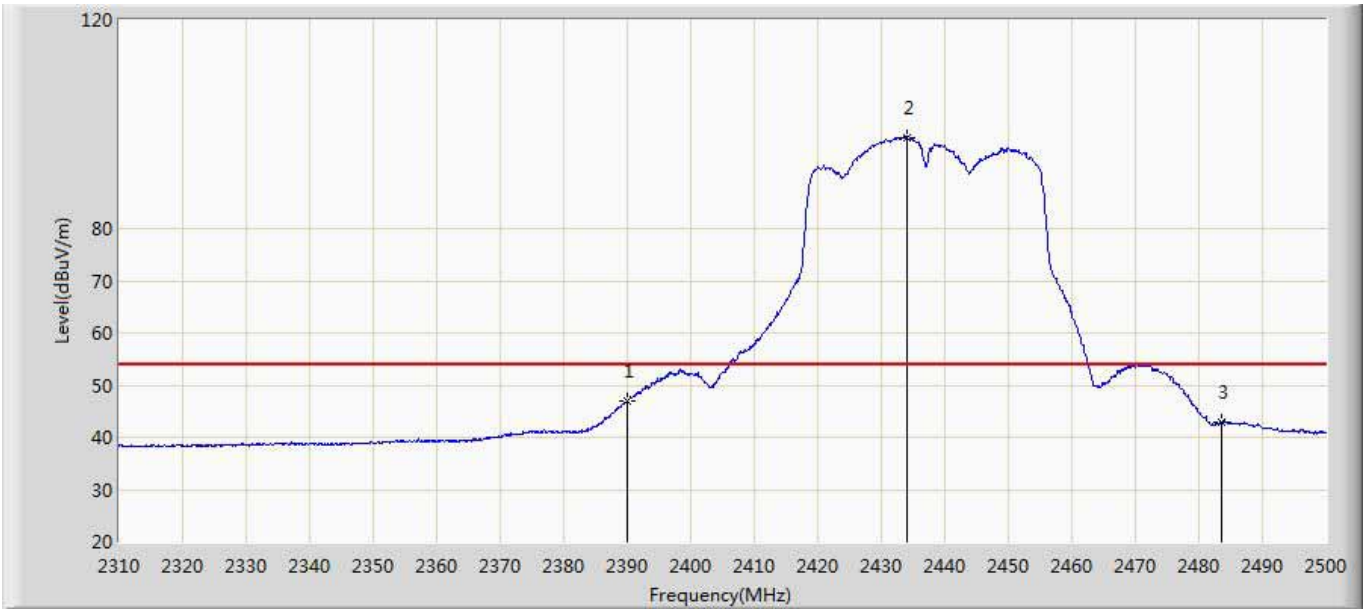
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.495	30.813	-7.505	74.000	35.682	PK
2	*	2440.910	110.636	74.831	36.636	74.000	35.805	PK
3		2483.500	63.026	27.134	-10.974	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 02:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11n40	



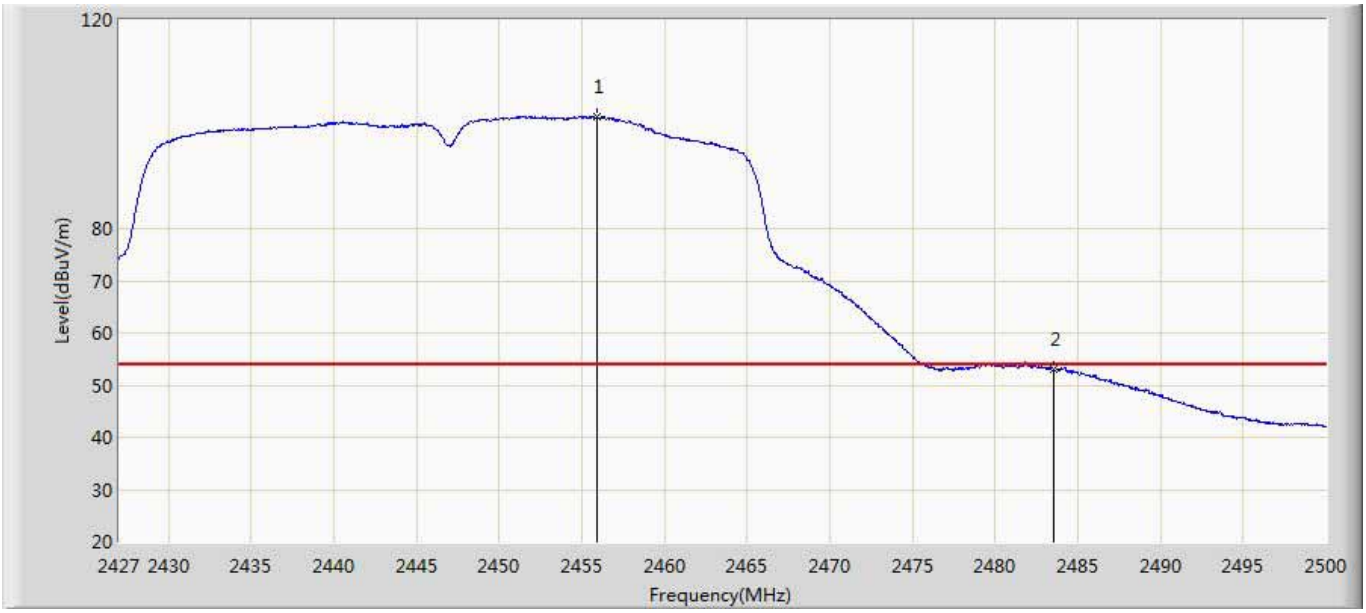
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	58.704	23.022	-15.296	74.000	35.682	PK
2	*	2435.305	107.296	71.489	33.296	74.000	35.807	PK
3		2483.500	54.230	18.338	-19.770	74.000	35.891	PK

Site: AC5	Time: 2017/02/21 - 02:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11n40	



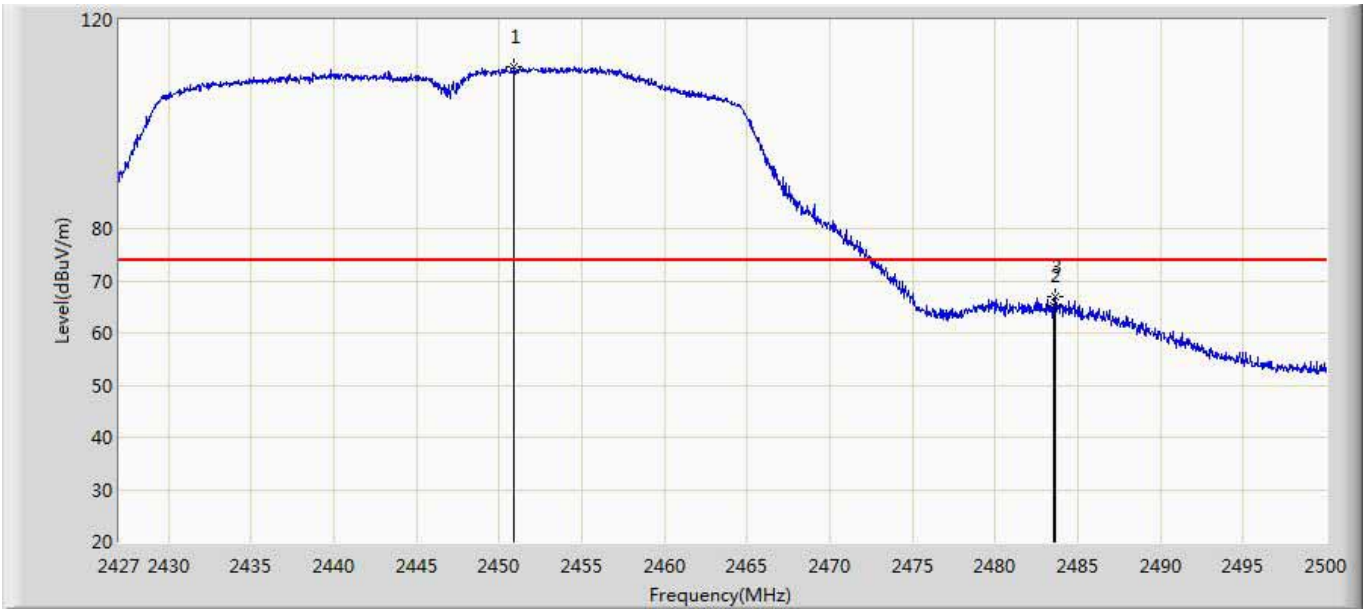
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	46.851	11.169	-7.149	54.000	35.682	AV
2	*	2433.975	97.535	61.728	43.535	54.000	35.807	AV
3		2483.500	42.854	6.962	-11.146	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 17:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11n40	



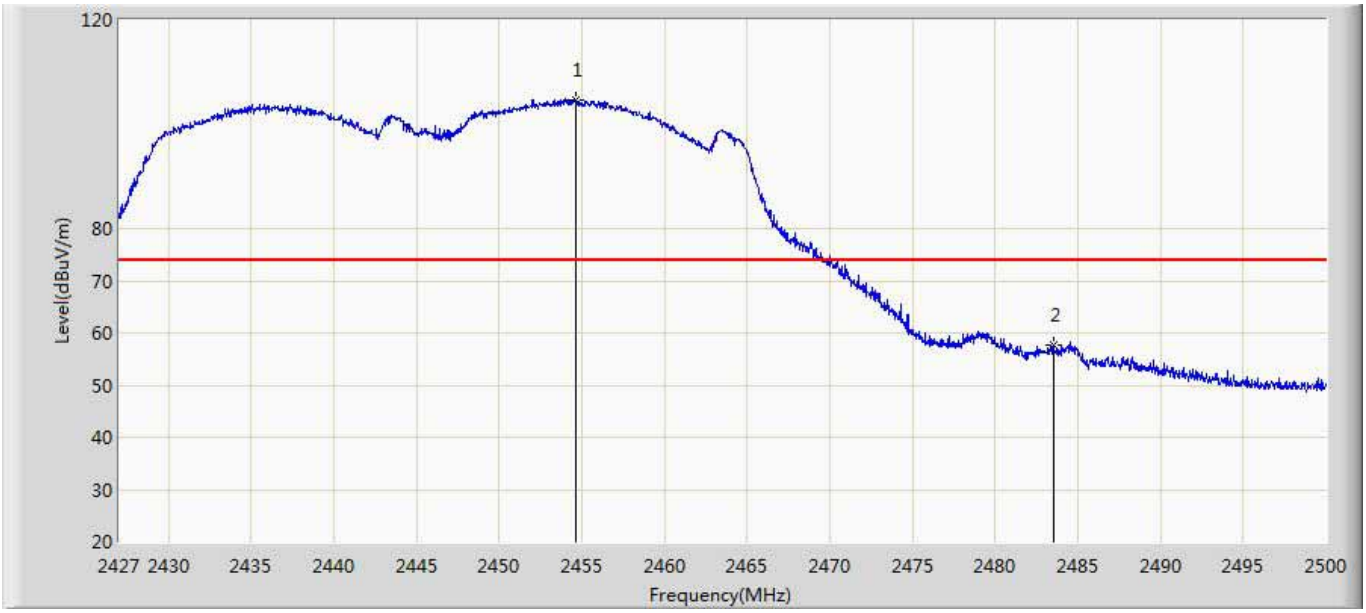
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.872	101.399	65.547	47.399	54.000	35.852	AV
2		2483.500	53.139	17.248	-0.861	54.000	35.891	AV

Site: AC5	Time: 2017/03/04 - 17:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11n40	



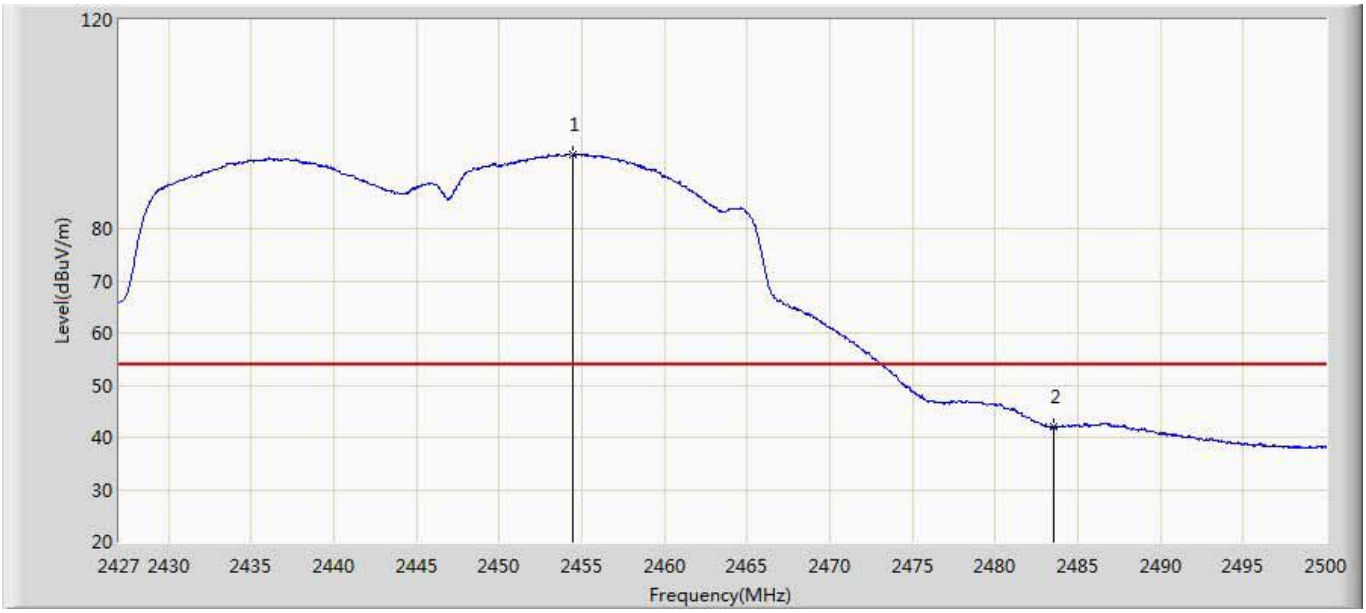
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2450.907	110.888	75.058	36.888	74.000	35.830	PK
2		2483.500	65.293	29.401	-8.707	74.000	35.891	PK
3		2483.648	66.854	30.961	-7.146	74.000	35.892	PK

Site: AC5	Time: 2017/03/04 - 17:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11n40	



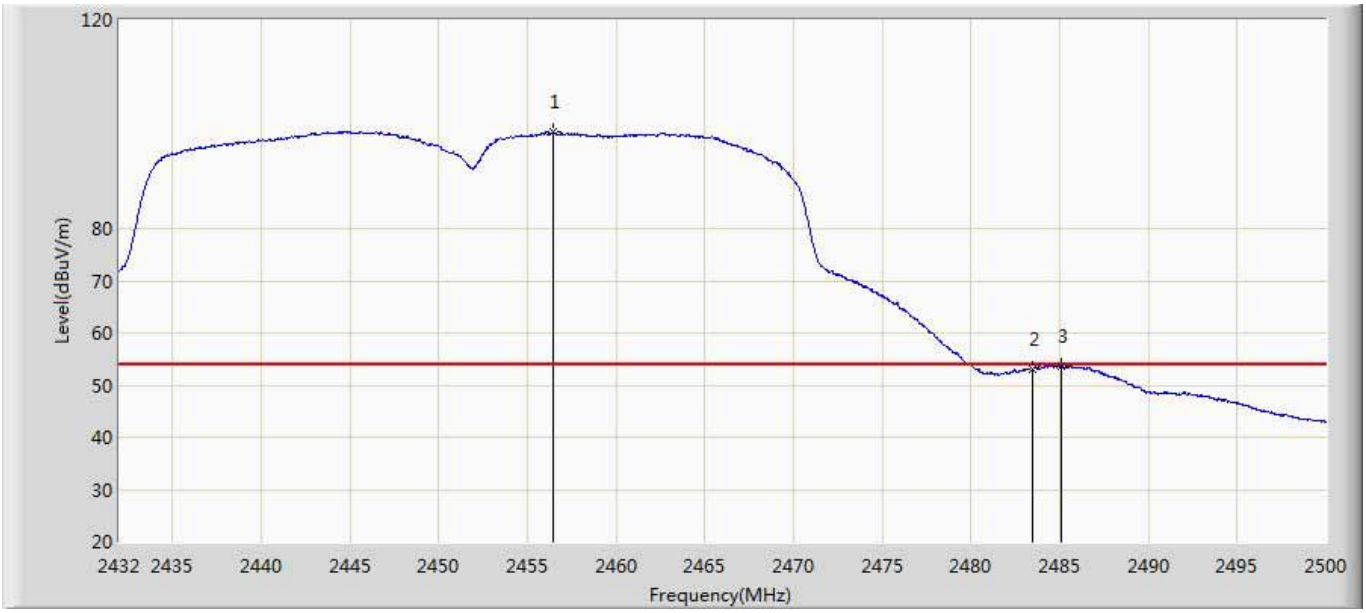
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.667	104.695	68.849	30.695	74.000	35.846	PK
2		2483.500	57.751	21.859	-16.249	74.000	35.891	PK

Site: AC5	Time: 2017/03/04 - 17:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2447MHz by 802.11n40	



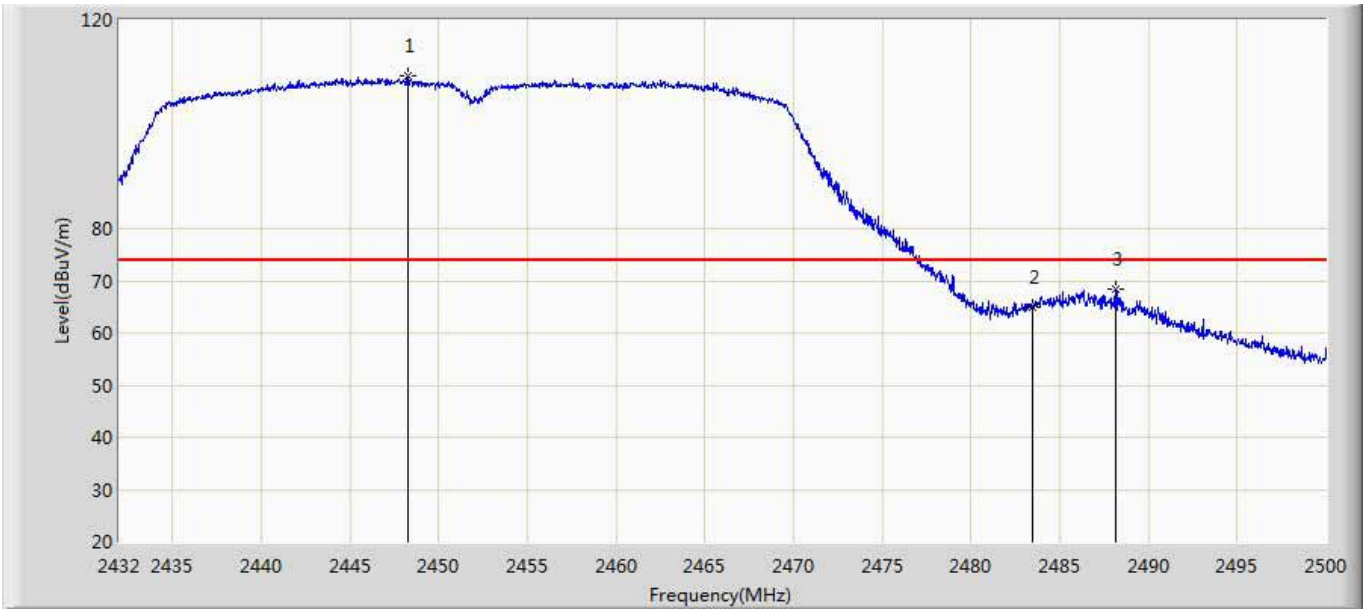
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2454.485	94.225	58.380	40.225	54.000	35.845	AV
2		2483.500	41.902	6.010	-12.098	54.000	35.891	AV

Site: AC5	Time: 2017/02/21 - 02:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11n40	



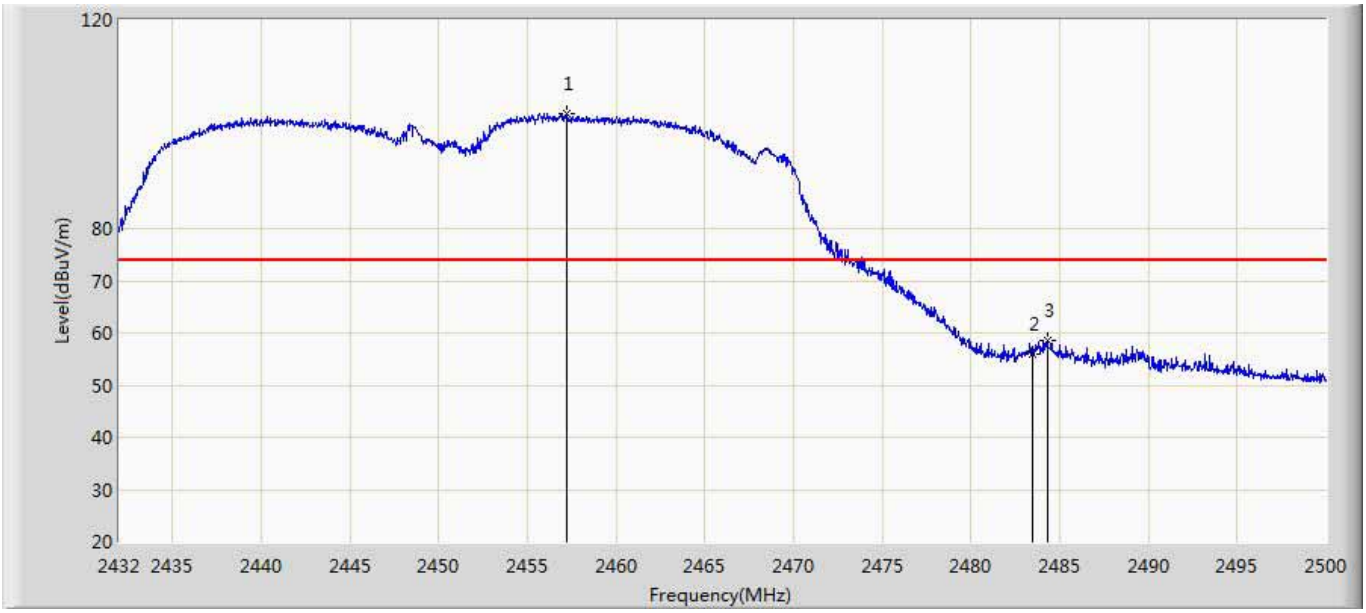
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.446	98.418	62.564	44.418	54.000	35.854	AV
2		2483.500	53.106	17.214	-0.894	54.000	35.891	AV
3		2485.108	53.717	17.814	-0.283	54.000	35.903	AV

Site: AC5	Time: 2017/02/21 - 02:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11n40	



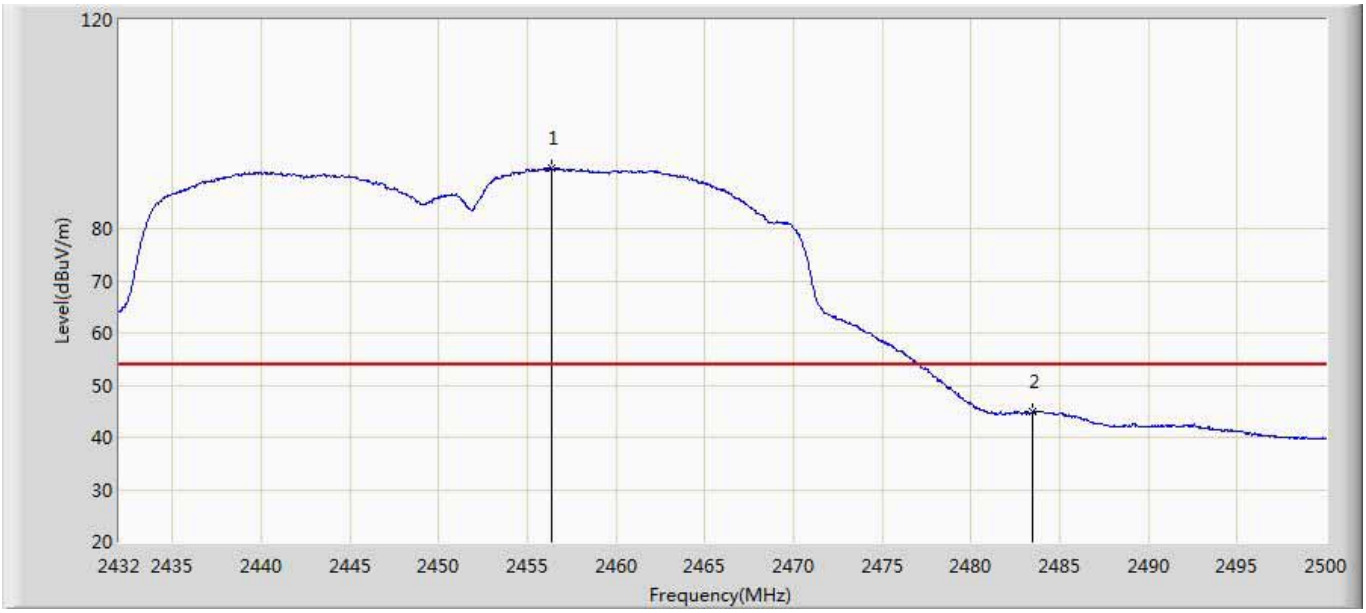
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2448.286	109.413	73.595	35.413	74.000	35.818	PK
2		2483.500	64.837	28.945	-9.163	74.000	35.891	PK
3		2488.134	68.270	32.345	-5.730	74.000	35.925	PK

Site: AC5	Time: 2017/02/21 - 02:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2457.194	102.119	66.262	28.119	74.000	35.857	PK
2		2483.500	56.078	20.186	-17.922	74.000	35.891	PK
3		2484.326	58.631	22.733	-15.369	74.000	35.897	PK

Site: AC5	Time: 2017/02/21 - 02:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: 300Mbps Wireless N Outdoor Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2452MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.344	91.701	55.847	37.701	54.000	35.853	AV
2		2483.500	44.791	8.899	-9.209	54.000	35.891	AV

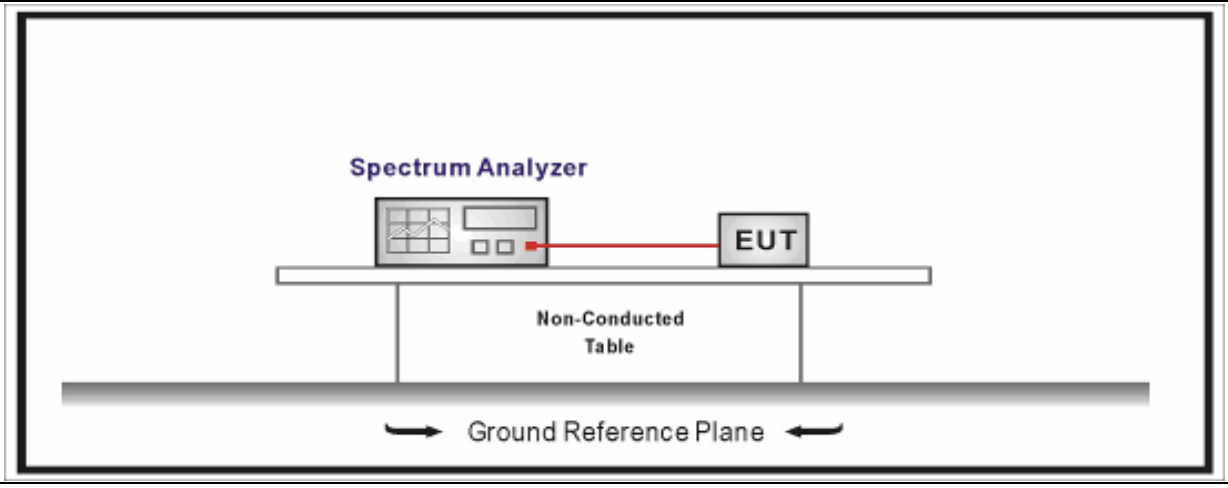
7. Occupied Bandwidth

7.1. Test Equipment

Occupied Bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2016.04.09	2017.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2016.04.09	2017.04.08
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

Occupied Bandwidth test setup:



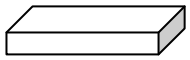
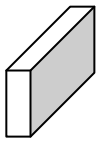
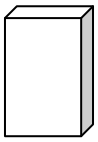
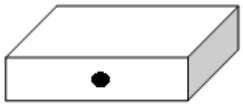
7.3. Limit

Occupied Bandwidth
Systems using digital modulation techniques operate in the2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz

7.4. Test Procedure

Test Method				
	Reference Rule		Chapter	Description
☒	ANSI C63.10		11.8	DTS bandwidth
	☐	ANSI C63.10	11.8.1	Option 1
	☒	ANSI C63.10	11.8.2	Option 2

7.5. EUT test definition

<table>
<tr><th>Item</th><th colspan="4">Occupied Bandwidth</th></tr>
<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
<tr><td>☒</td><td colspan="3">Other cases</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="12">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 0</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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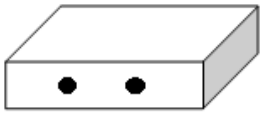
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

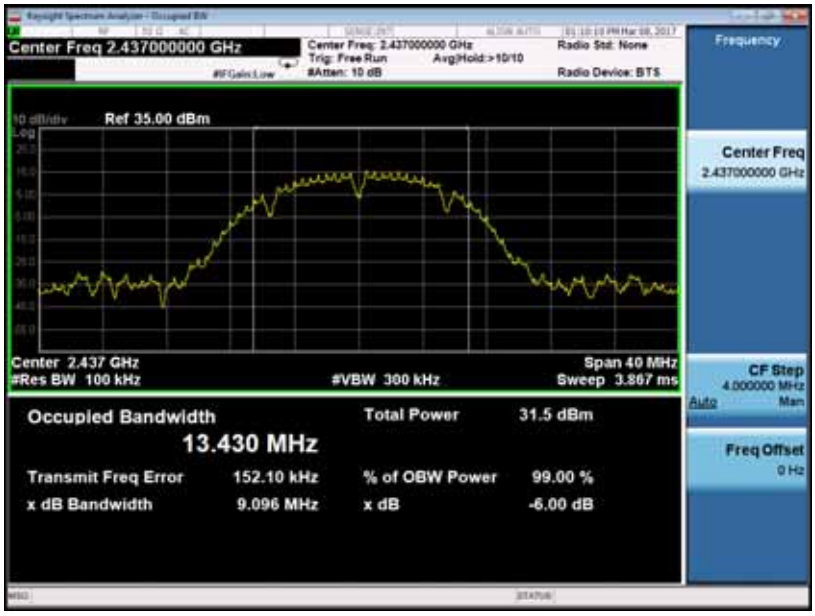
7.6. Test Result

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)		6dB Occupied Bandwidth (MHz)		Limit (kHz)	Result
			Ant 1	Ant 2	Ant 1	Ant 2		
1	01	2412	13.399	13.386	9.259	9.605	>500	Pass
1	06	2437	13.430	13.470	9.096	9.571	>500	Pass
1	11	2462	13.550	13.553	9.602	10.100	>500	Pass
2	01	2412	16.110	16.108	15.12	13.22	>500	Pass
2	06	2437	16.261	16.263	15.11	12.22	>500	Pass
2	11	2462	16.057	16.032	15.10	15.11	>500	Pass
3	01	2412	17.148	17.161	15.10	13.92	>500	Pass
3	06	2437	17.408	17.398	15.14	13.91	>500	Pass
3	11	2462	17.263	17.286	15.13	15.07	>500	Pass
4	03	2422	35.503	35.516	32.68	33.85	>500	Pass
4	06	2437	35.438	35.485	33.86	33.87	>500	Pass
4	09	2452	35.538	35.738	33.90	31.43	>500	Pass

Note : The worst case of Occupied Bandwidth as below in next page:

Mode 1 CH06 (2437MHz) Ant 1



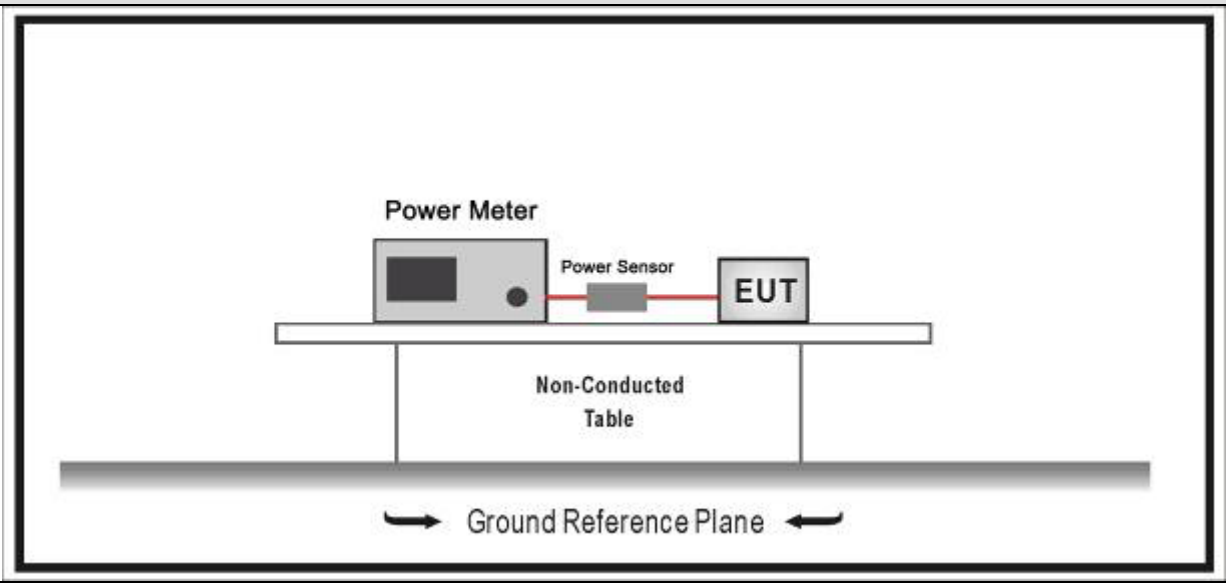
8. Fundamental emission output power

8.1. Test Equipment

Fundamental emission output power/ TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2016.10.14	2017.10.13
Power Sensor	Anritsu	MA2411B	0846014	2016.10.14	2017.10.13
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

Fundamental emission output power test setup



8.3. Limit

Fundamental emission output power Limit			
☒	G_{TX} ＜6dBi		P_{out}≤30dBm
☐	G_{TX} ＞6dBi		
	☐	Non-Fix point-point	P_{out}≤30-(G_{TX} -6)
	☐	Fix point-point	P_{out}≤30-[(G_{TX}-6)]/3
	☐	Point-to-multipoint	Pout≤30-(GTX-6)
	☐	Overlap Beams	P_{out}≤30-[(G_{TX}-6)]/3
	☐	Aggregate power transmitted simultaneously on all beams	P_{out}≤30-[(G_{TX}-6)]/3
	☐	single directional beam	P_{out}≤30-[(G_{TX}-6)]/3+8dB
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				11.9	Fundamental emission output power
	☐	ANSI C63.10			11.9.1	Maximum peak conducted output power
		☐	ANSI C63.10		11.9.1.1	RBW ≥ DTS bandwidth
		☐	ANSI C63.10		11.9.1.2	Integrated band power method
		☐	ANSI C63.10		11.9.1.3	PKPM1 Peak power meter method
	☒	ANSI C63.10			11.9.2	Maximum conducted (average) output power
		☐	ANSI C63.10		11.9.2.2	Measurement using a spectrum analyzer (SA)
			☐	ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-3
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-3A
		☒	ANSI C63.10		11.9.2.3	Measurement using a power meter (PM)
			☐	ANSI C63.10	11.9.2.3.1	Method AVGPM
			☒	ANSI C63.10	11.9.2.3.2	Method AVGPM-G

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)e)	Spatial stream
	☐	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. EUT test definition

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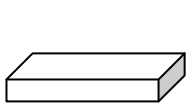
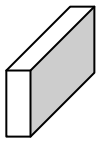
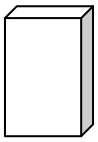
<tr><td>  </td><td>  </td><td>  </td></tr>
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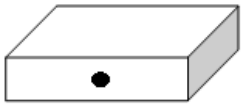
<tr><td></td><td colspan="3">  </td></tr>
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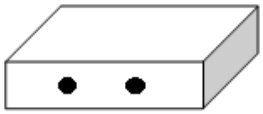
<tr><td></td><td colspan="3">  </td></tr>
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<tr><td></td><td colspan="3">  </td></tr>
</table>

8.6. Test Result

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	Channel	Test Frequency (MHz)	Average Power Output (dBm)		Total Power (dBm)	Directional Gain (dBi)	Limit (dBm)	Result
			Ant 1	Ant 2				
1	01	2412	17.93	18.4	21.18	5	30	Pass
1	02	2417	20.96	21.43	24.21	5	30	Pass
1	06	2437	23.43	23.94	26.70	5	30	Pass
1	10	2457	20.17	20.04	23.12	5	30	Pass
1	11	2462	18.36	18.85	21.62	5	30	Pass
2	01	2412	17.12	17.23	20.19	5	30	Pass
2	02	2417	18.77	18.92	21.86	5	30	Pass
2	06	2437	22.82	22.71	25.78	5	30	Pass
2	10	2457	18.43	18.51	21.48	5	30	Pass
2	11	2462	16.78	17.13	19.97	5	30	Pass
3	01	2412	15.61	15.78	18.71	5	30	Pass
3	02	2417	17.69	17.92	20.82	5	30	Pass
3	06	2437	23.62	23.71	26.68	5	30	Pass
3	10	2457	17.87	17.93	20.91	5	30	Pass
3	11	2462	15.88	15.94	18.92	5	30	Pass

4	03	2422	11.74	11.83	14.80	5	30	Pass
4	04	2427	12.61	12.79	15.71	5	30	Pass
4	06	2437	17.21	17.55	20.39	5	30	Pass
4	08	2447	12.71	12.93	15.83	5	30	Pass
4	09	2452	10.49	10.97	13.75	5	30	Pass

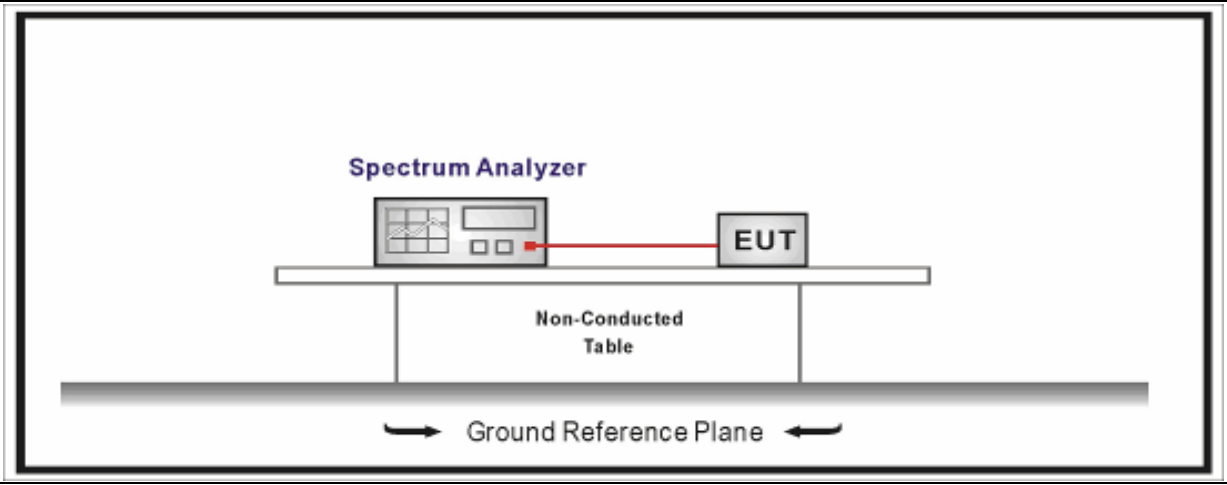
9. Power Spectral Density

9.1. Test Equipment

Power Spectral Density / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2016.04.09	2017.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2016.04.09	2017.04.08
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.					

9.2. Test Setup

Power Spectral Density test setup



9.3. Limit

Power Spectral Density Limit
Power Spectral Density≤8dBm/3kHz

9.4. Test Procedure

Power Spectral Density Test Method				
	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☒	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

Directional Gain Calculations for In-Band test method				
	Referred 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)e)	Spatial stream
	☐	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

9.5. EUT test definition

<table>
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<tr><td rowspan="3">Device Category</td><td>☐</td><td colspan="3">Fixed point-to-point</td></tr>
<tr><td>☐</td><td colspan="3">Emit multiple directional beams, simultaneously or sequentially</td></tr>
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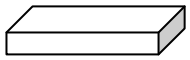
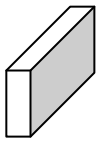
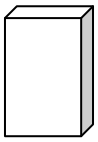
<tr><td>  </td><td>  </td><td>  </td></tr>
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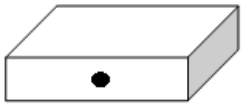
<tr><td></td><td colspan="3">  </td></tr>
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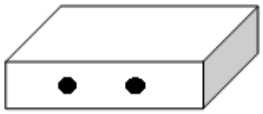
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 0</td><td>Chain 1</td><td>Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

9.6. Test Result

Product Name	:	300Mbps Wireless N Outdoor Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode1~4	Test Site	:	TR8
Test Date	:	2017.03.04			

Mode	Channel	Test Frequency (MHz)	Measurement PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	Directional Gain (dBi)	Limit (dBm/3kHz)	Result
			Ant 1	Ant 2				
1	01	2412	-6.336	-6.395	-3.355	8.0	6.0	Pass
1	06	2437	-0.966	1.068	3.179	8.0	6.0	Pass
1	11	2462	-6.973	-4.631	-2.636	8.0	6.0	Pass
2	01	2412	-7.961	-6.774	-4.317	8.0	6.0	Pass
2	06	2437	-3.181	-0.126	1.620	8.0	6.0	Pass
2	11	2462	-10.409	-7.395	-5.635	8.0	6.0	Pass
3	01	2412	-8.696	-7.286	-4.924	8.0	6.0	Pass
3	06	2437	-1.404	-1.498	1.560	8.0	6.0	Pass
3	11	2462	-8.862	-7.721	-5.244	8.0	6.0	Pass
4	03	2422	-17.051	-15.52	-13.208	8.0	6.0	Pass
4	06	2437	-10.136	-8.239	-6.074	8.0	6.0	Pass
4	09	2452	-13.176	-15.521	-11.182	8.0	6.0	Pass

Mode 1 CH06(2437MHz) Ant 2

10. Antenna Requirement

10.1. Limit

Antenna Requirement Limit
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

10.2. Antenna Connector Construction

Antenna Connector Construction	
☐	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☒	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document “Internal Photograph” to show the antenna connector.	

The End