Test Report

FCC Part15 Subpart C & RSS-247 Issue 2

Product Name	:	Wireless Access Point
Model No.	:	AP460SC
FCC ID	:	QXO-AP460SC
IC	:	4141B-AP460SC

Applicant	:	Extreme Networks, Inc
Address	:	6480 Via Del Oro, San Jose, CA 95119 USA

Date of Receipt	:	May. 11, 2020
Test Date	:	Oct. 14, 2019 ~ Jul. 23, 2020
Issued Date	:	Jul. 23, 2020
Report No.	:	2032034R-RF-US-P06V01
Report Version	:	V1.0

Test Report Certification

Issued Date: Jul. 23, 2020
Report No. : 2032034R-RF-US-P06V01

Product Name	:	Wireless Access Point
Applicant	:	Extreme Networks, Inc
Address	:	6480 Via Del Oro, San Jose, CA 95119 USA
Manufacturer	:	Extreme Networks, Inc
Address	:	6480 Via Del Oro, San Jose, CA 95119 USA
Model No.	:	AP460SC
Brand	:	Extreme Networks
FCC ID	:	QXO-AP460SC
IC	:	4141B-AP460SC
EUT Voltage	:	DC 37~57V
Test Voltage	:	AC 120V/60Hz
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C ANSI C63.10:2013; KDB 558074 D01v05r02 KDB 662911 D01 Multiple Transmitter Output v02r01 RSS-Gen Issue 5 / RSS-247 Issue 2
Test Result	:	Complied
Performed Location	:	DEKRA Testing and Certification (Suzhou) Co., Ltd. No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Designation Number: CN1199 ISED CAB identifier: CN0040

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(Supervisor: Jack Zhang)

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
2032034R-RF-US-P06V01	V1.0	Initial Issued Report	Jul. 23, 2020

1. General Information

1.1. EUT Description

Product Name	Wireless Access Point
Model No.	AP460SC
EUT Voltage	DC 37~57V
Frequency Range	For 2.4GHz Band 802.11b/g/n/ax(20MHz): 2412~2462MHz
Channel Number	For 2.4GHz Band 802.11b/g/n/ax(20MHz): 11
Type of Modulation	802.11b: DSSS-DBPSK, DQPSK, CCK
	802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Data Rate	802.11b: 1/2/5.5/11 Mbps
	802.11g: 6/9/12/18/24/36/48/54 Mbps
	802.11n: up to 144.4 Mbps
	802.11ax: up to 286 Mbps
Channel Control	Auto

Note: Model AP460SC have two antenna configurations called AP460S6C and AP460S12C, they are the same except the antenna type and antenna gain. We evaluated AP460S6C for conducted test item, AP460S6C, AP460S12C for radiated test item and conducted emission, shown in the report is the worst data of AP460S6C, AP460S12C.

1.2. Working Frequency of Each Channel:

802.11b/g/n/ax(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

1.3. Antenna information

AP460S6C:

<table>
<tr><td colspan="3">Antenna Model No.</td><td colspan="6">N/A</td></tr>
<tr><td colspan="3">Antenna Manufacturer</td><td colspan="6">N/A</td></tr>
<tr><td colspan="3">Antenna Delivery</td><td colspan="6">☒ 1*TX+1*RX ☒ 2*TX+2*RX ☐ 3*TX+3*RX</td></tr>
<tr><td colspan="3" rowspan="7">Antenna Technology</td><td colspan="6">☒ SISO</td></tr>
<tr><td rowspan="6">☒ MIMO</td><td>☐</td><td colspan="4">Basic methodology</td></tr>
<tr><td>☐</td><td colspan="4">Sectorized antenna systems</td></tr>
<tr><td>☐</td><td colspan="4">Cross-polarized antennas</td></tr>
<tr><td>☐</td><td colspan="4">Unequal antenna gains, with equal transmit powers</td></tr>
<tr><td>☒</td><td colspan="4">Spatial Multiplexing</td></tr>
<tr><td>☒</td><td colspan="4">Cyclic Delay Diversity (CDD)</td></tr>
<tr><td colspan="3">Antenna Type</td><td colspan="6">PIFA</td></tr>
<tr><td colspan="9">Antenna Gain(Radio 1)</td></tr>
<tr><td colspan="3">Antenna Technology</td><td colspan="6">Ant Gain
(dBi)</td></tr>
<tr><td colspan="3">Ant 4(Radio 1)</td><td colspan="6">7.83</td></tr>
<tr><td colspan="9">Antenna Gain(Radio 2)</td></tr>
<tr><td colspan="3">Antenna Technology</td><td colspan="6">Ant Gain
(dBi)</td></tr>
<tr><td rowspan="2">☒</td><td rowspan="2">SISO</td><td>☒</td><td>Ant1
(Radio 2)</td><td colspan="5">7.88</td></tr>
<tr><td>☒</td><td>Ant2
(Radio 2)</td><td colspan="5">7.88</td></tr>
<tr><td>☒</td><td colspan="3">CDD</td><td colspan="5">7.88 dBi for Power; 10.89 dBi for PSD</td></tr>
<tr><td>☒</td><td colspan="3">Beam-forming</td><td colspan="5">10.89 dBi for Power; 10.89 dBi for PSD</td></tr>
</table>

AP460S12C:

Antenna Model No.	N/A					
Antenna Manufacturer	N/A					
Antenna Delivery	☒	1*TX+1*RX	☒	2*TX+2*RX	☐	3*TX+3*RX
Antenna Technology	☒	SISO				
	☒	MIMO	☐	Basic methodology		
			☐	Sectorized antenna systems		
			☐	Cross-polarized antennas		
			☐	Unequal antenna gains, with equal transmit powers		
			☒	Spatial Multiplexing		
			☒	Cyclic Delay Diversity (CDD)		
Antenna Type	PIFA					
Antenna Gain(Radio 1)						
Antenna Technology	Ant Gain (dBi)					
Ant 4(Radio 1)	5.53					
Antenna Gain(Radio 2)						
Antenna Technology	Ant Gain (dBi)					
☒ SISO	☒ Ant1 (Radio 2)	7.12				
	☒ Ant2 (Radio 2)	6.16				
☒ CDD	7.12 dBi for Power; 10.13 dBi for PSD					
☒ Beam-forming	10.13 dBi for Power; 10.13 dBi for PSD					

Note: The device supports 3 radios, radio 1(1*1 2.4GHz & 1*1 5GHz full band); radio 2(2*2 2.4GHz & 2*2 5GHz low band); radio 3(4*4 5GHz full band & 1*1 BLE), and radio 2 & 3 can works with Dual 2.4GHz & 5GHz mode and Dual 5GHz mode. As the 5GHz high band filter is different between two modes, additional Radio 3 5GHz high band mode is tested for compliance.
Dual 2.4GHz & 5GHz mode: Radio 2(2.4GHz 2*2) + Radio 3(5GHz full band 4*4)
Dual 5GHz mode: Radio 2(5GHz low band 2*2) + Radio 3(5GHz high band 4*4)

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 802.11ax(20MHz)

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

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

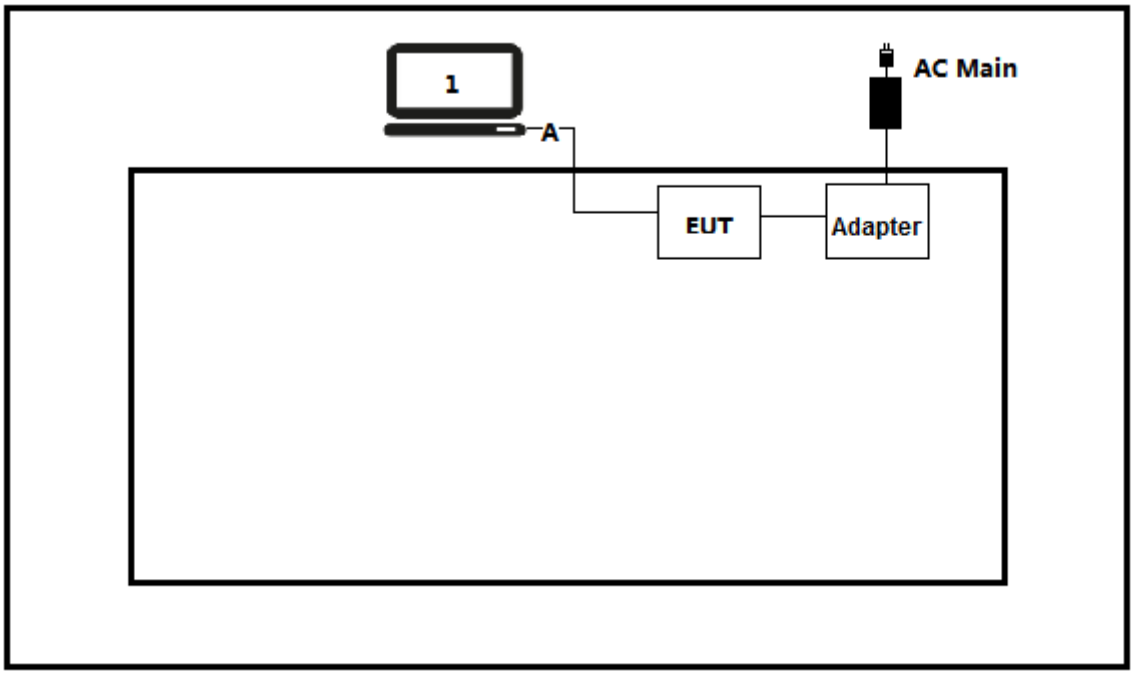
1.5. Tested System Details

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

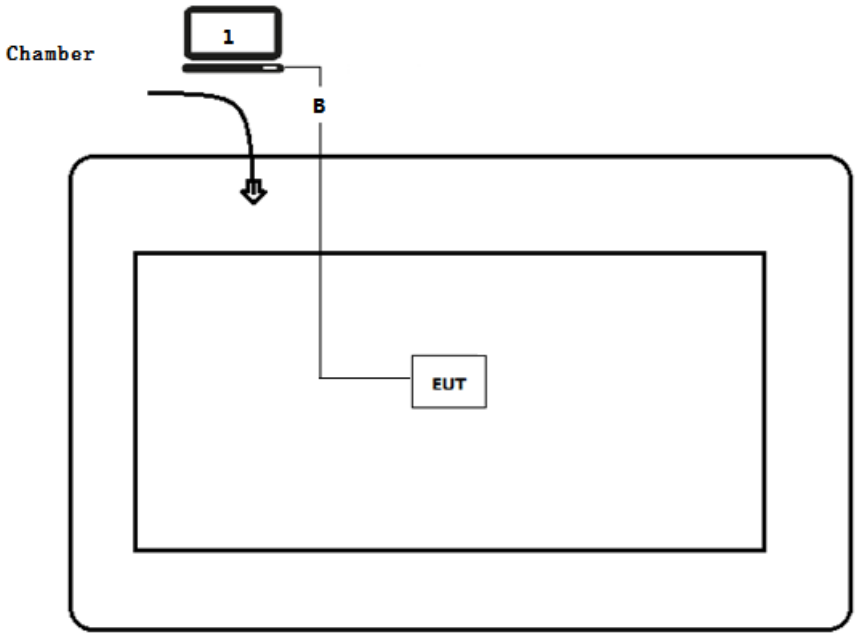
No.	Product	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
A	LAN cable	N/A	N/A	N/A	Shielded, 0.5m
B	LAN cable	N/A	N/A	N/A	Shielded, 10m

1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



1.7. EUT Exercise Software

1	Setup the EUT and simulators as shown on above.
2	Turn on the power of equipment.
3	Run RF software [MTool], and set the test mode and channel, then press OK to start to continue transmit.

2. Technical Test

2.1. Summary of Test Result

For FCC

Performed Test Item	Normative References	Limit	Result
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: Section 15.207	FCC 15.207	PASS
Emissions in restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: Section 15.209	FCC 15.209	PASS
Emissions in non-restricted frequency bands	FCC CFR Title 47 Part 15 Subpart C: Section 15.247(d)	⩾30dBc	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: Section 15.205	FCC 15.209	PASS
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: Section 15.247(a)(2)	⩾500kHz	PASS
Fundamental emission output power	FCC CFR Title 47 Part 15 Subpart C: Section 15.247(b)(3)	⩽30dBm	PASS
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: Section 15.247(e)	⩽8dBm/3kHz	PASS
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: Section 15.203	FCC 15.203	PASS

For ISED

Performed Test Item	Normative References	Limit	Result
AC Power Line Conducted Emission	RSS-Gen Issue 5 Section 8.8	RSS-Gen	N/A
Emissions in restricted frequency bands	RSS-Gen Issue 5 Section 8.9	RSS-Gen	PASS
Emissions in non-restricted frequency bands	RSS-247 Issue 2 Section 5.5	⩾30dBc	PASS
Radiated Emission Band Edge	RSS-Gen Issue 5 Section 8.10	RSS-247	PASS
Occupied Bandwidth	RSS-Gen Issue 5 Section 6.7 RSS-247 Issue 2 Section 5.2(a)	Within Band ⩾500kHz	PASS
Fundamental emission output power	RSS-247 Issue 2 Section 5.4(d)	⩽30dBm	PASS
Power Spectral Density	RSS-247 Issue 2 Section 5.2(b)	⩽8dBm/3kHz	PASS
Antenna Requirement	RSS-Gen Issue 5 Section 6.8	RSS-Gen Issue 5	PASS

2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11b	01	2412 MHz	06	2437 MHz	11	2462 MHz
802.11g	01	2412 MHz	06	2437 MHz	11	2462 MHz
802.11n(20MHz)	01	2412 MHz	06	2437 MHz	11	2462 MHz
802.11ax(20MHz)	01	2412 MHz	06	2437 MHz	11	2462 MHz

2.3. Power vs Data Rate

MCS Index for 802.11n	Spatial Streams (Note1)	Data Rate (Mbps)			
		802.11b	802.11g	20MHz Bandwidth	
				800ns GI	400ns GI
0	1	1	6	6.5	7.2
1	1	2	9	13.0	14.4
2	1	5.5	12	19.5	21.7
3	1	11	18	26.0	28.9
4	1	---	24	39.0	43.3
5	1	---	36	52.0	57.8
6	1	---	48	58.5	65.0
7	1	---	54	65.0	72.2
8	2	---	---	13.0	14.4
9	2	---	---	26.0	28.9
10	2	---	---	39.0	43.3
11	2	---	---	52.0	57.8
12	2	---	---	78.0	86.7
13	2	---	---	104.0	115.6
14	2	---	---	117.0	130.0
15	2	---	---	130.0	144.4

Note 1: The EUT supports all data rate above. The blue form is the maximum power data rate

Note 2: The EUT has two spatial Streams

MCS Index	Spatial Streams (Note1)	Modulation type	Coding rate	Data Rate(Mb/s)	
				20MHz	
				Guard Interval	
				1600 ns GI	800 ns GI
0	1	BPSK	1/2	8	8
1	1	QPSK	1/2	16	17
2	1	QPSK	3/4	24	26
3	1	16-QAM	1/2	33	34
4	1	16-QAM	3/4	49	52
5	1	64-QAM	2/3	65	69
6	1	64-QAM	3/4	73	77
7	1	64-QAM	5/6	81	86
8	1	256-QAM	3/4	98	103
9	1	256-QAM	5/6	108	115
10	1	1024-QAM	3/4	122	129
11	1	1024-QAM	5/6	135	143
12	2	BPSK	1/2	16	16
13	2	QPSK	1/2	32	34
14	2	QPSK	3/4	48	52
15	2	16-QAM	1/2	66	68
16	2	16-QAM	3/4	98	104
17	2	64-QAM	2/3	130	138
18	2	64-QAM	3/4	146	154
19	2	64-QAM	5/6	162	172
20	2	256-QAM	3/4	196	206
21	2	256-QAM	5/6	216	230
22	2	1024-QAM	3/4	244	258
23	2	1024-QAM	5/6	270	286

Note 1: The EUT supports all data rate above. The blue form is the maximum power data rate

Note 2: The EUT has two spatial Streams

2.4. 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

2.5. Measurement Uncertainty

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

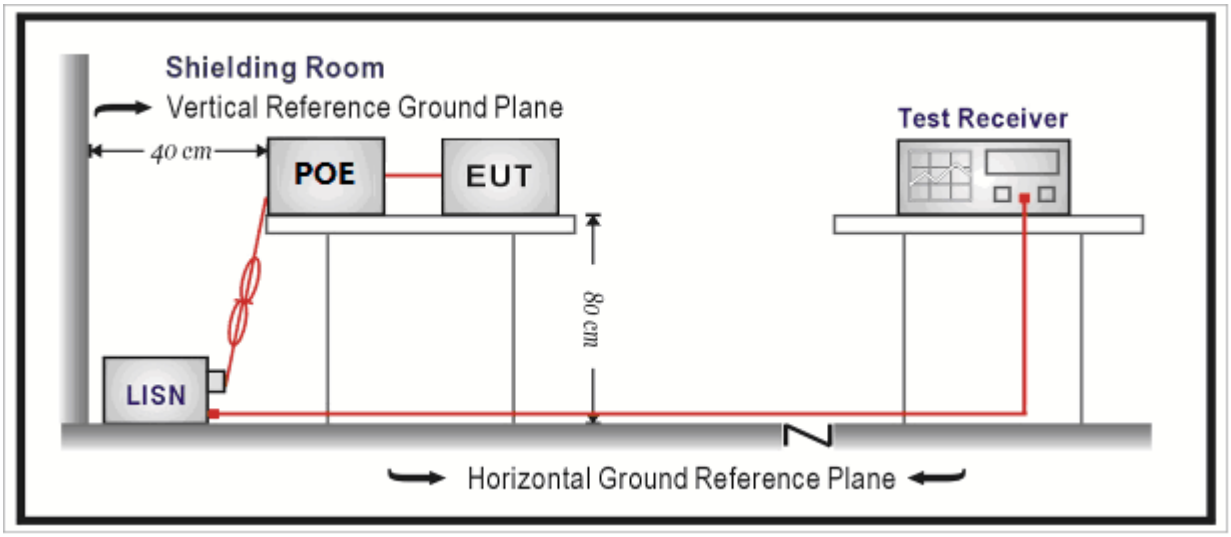
3. AC Power Line Conducted Emission

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	100906	2020.04.18	2021.04.17
Two-Line V-Network	R&S	ENV 216	101189	2019.10.16	2020.10.15
Two-Line V-Network	R&S	ENV 216	101044	2020.04.18	2021.04.17
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
50ohm Termination	SHX	TF2	7081402	2019.09.02	2020.09.01
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2019.08.21	2020.08.20
Note: All equipment 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

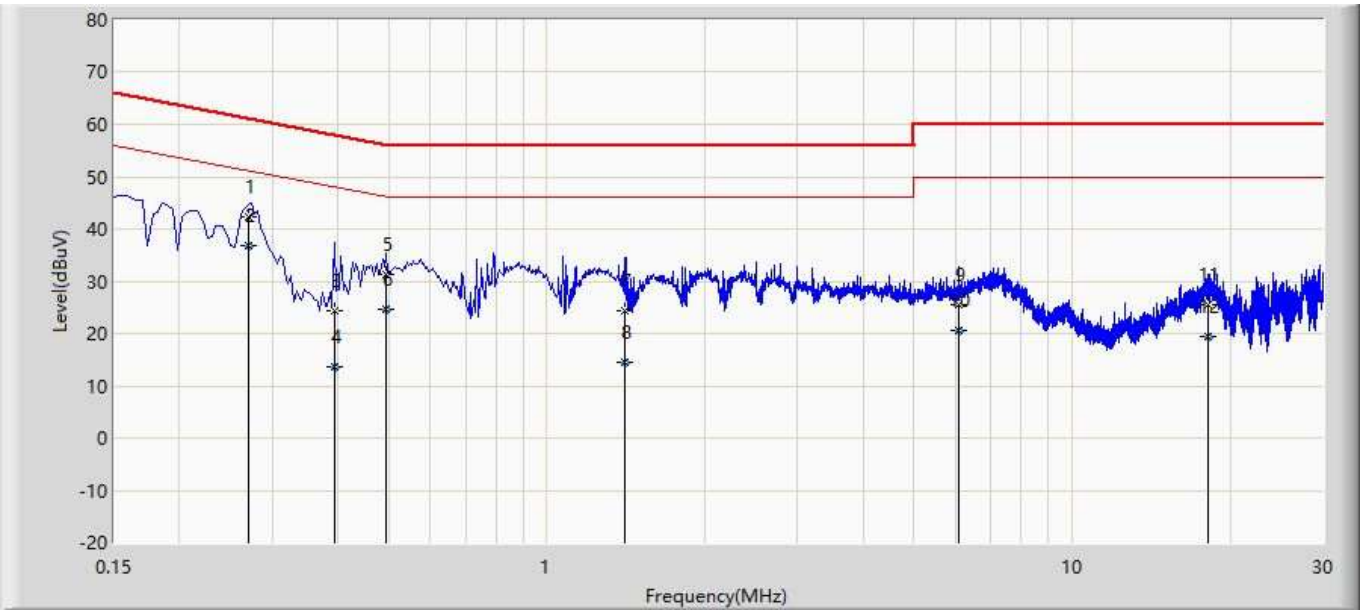
Frequency of Emission (MHz)	Conducted Limit	
	Quasi-peak (dBμV)	Average(dBμV)
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

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

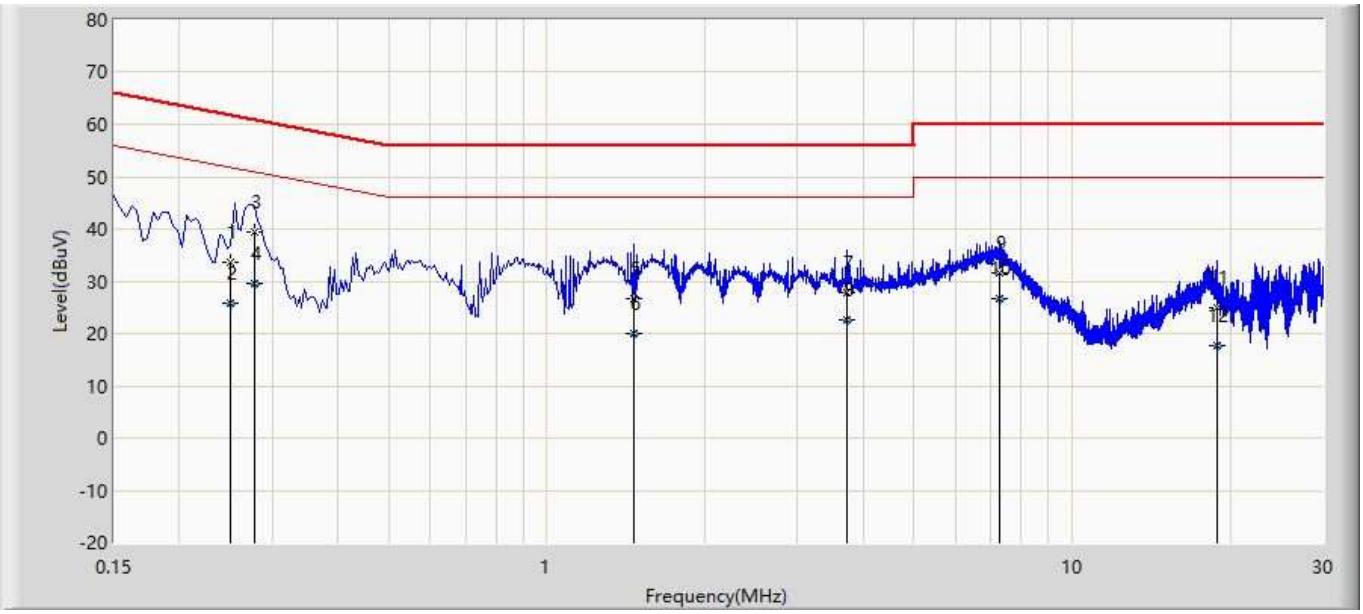
3.5. Test Result

Profile: 2032034R	Page No.: 1
Engineer: Neil	
Site: TR1	Time: 2020/07/23 - 04:25
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Wireless Access Point	Power: 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.270	42.302	32.675	-18.816	61.118	9.627	QP
2	*	0.270	36.880	27.252	-14.238	51.118	9.627	AV
3		0.394	24.400	14.759	-33.579	57.979	9.641	QP
4		0.394	13.518	3.878	-34.461	47.979	9.641	AV
5		0.494	31.421	21.768	-24.680	56.100	9.652	QP
6		0.494	24.511	14.858	-21.589	46.100	9.652	AV
7		1.406	24.296	14.592	-31.704	56.000	9.704	QP
8		1.406	14.444	4.740	-31.556	46.000	9.704	AV
9		6.090	25.486	15.586	-34.514	60.000	9.900	QP
10		6.090	20.722	10.822	-29.278	50.000	9.900	AV
11		18.091	25.650	15.429	-34.350	60.000	10.221	QP
12		18.091	19.486	9.265	-30.514	50.000	10.221	AV

Profile: 2032034R	Page No.: 2
Engineer: Neil	
Site: TR1	Time: 2020/07/23 - 04:30
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Wireless Access Point	Power: 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.249	33.540	23.916	-28.259	61.799	9.624	QP
2		0.249	25.825	16.202	-25.974	51.799	9.624	AV
3		0.278	39.354	29.726	-21.521	60.875	9.628	QP
4	*	0.278	29.524	19.896	-21.351	50.875	9.628	AV
5		1.466	26.575	16.872	-29.425	56.000	9.703	QP
6		1.466	19.968	10.265	-26.032	46.000	9.703	AV
7		3.718	27.968	18.170	-28.032	56.000	9.798	QP
8		3.718	22.723	12.926	-23.277	46.000	9.798	AV
9		7.290	31.629	21.670	-28.371	60.000	9.959	QP
10		7.290	26.672	16.713	-23.328	50.000	9.959	AV
11		18.822	24.827	14.536	-35.173	60.000	10.291	QP
12		18.822	17.664	7.374	-32.336	50.000	10.291	AV

4. Emissions in restricted frequency bands

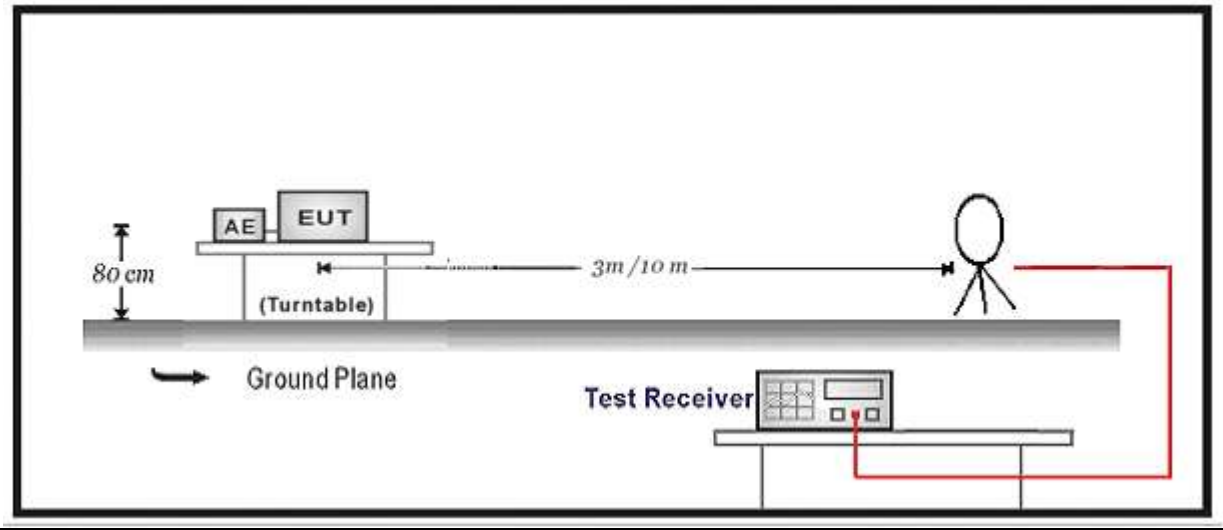
4.1. Test Equipment

Radiated Emission(Below 1GHz) / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2019.12.28	2020.12.27
Loop Antenna	R&S	HFH2-Z2	833799/003	2020.02.17	2021.02.16
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2019.09.23	2020.09.22
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2020.04.05	2021.04.04
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2019.09.02	2020.09.01
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

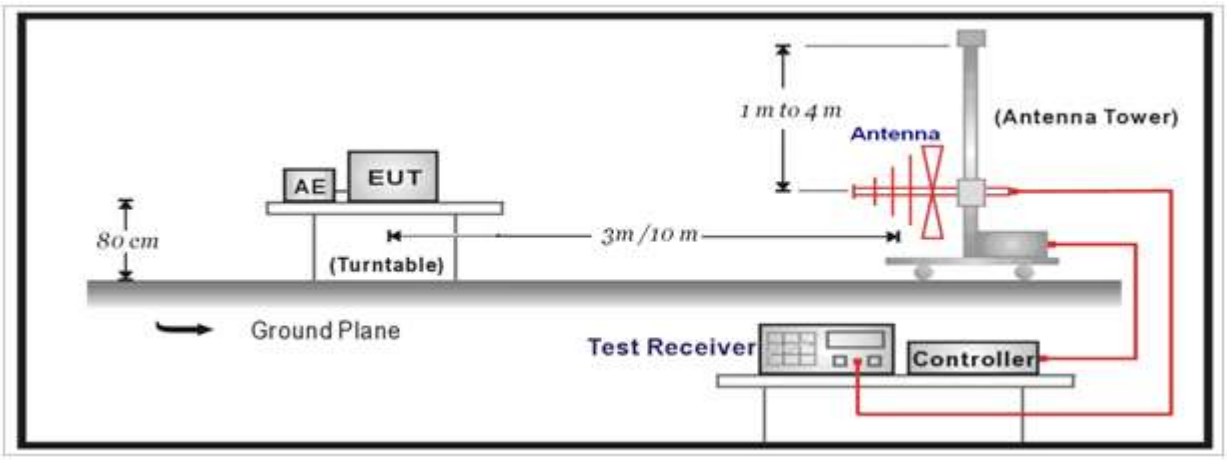
Radiated Emission(Above 1GHz) / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	R&S	FSV	104212	2019.12.28	2020.12.27
Signal analyzer	Agilent	E4446A	MY45300103	2020.05.08	2021.05.07
low Noise Amplifier	BXT	NA2651D	LNA17040209	2020.04.13	2021.04.12
Pre-Amplifier	EMCI	EMC184045SE	980263	2020.05.24	2021.05.23
DRG Horn Antenna	ETS-Lindgren	3117	00167055	2020.05.25	2021.05.24
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2019.03.23	2021.03.22
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2020.04.13	2021.04.12
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G	2020.04.18	2021.04.17
Temperature/Humidity Meter	RTS	RTS-8S	AC5-TH	2019.09.02	2020.09.01
Quietek EMI V3(test software)	Quietek	N/A	N/A	N/A	N/A
Note: All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

4.2. Test Setup

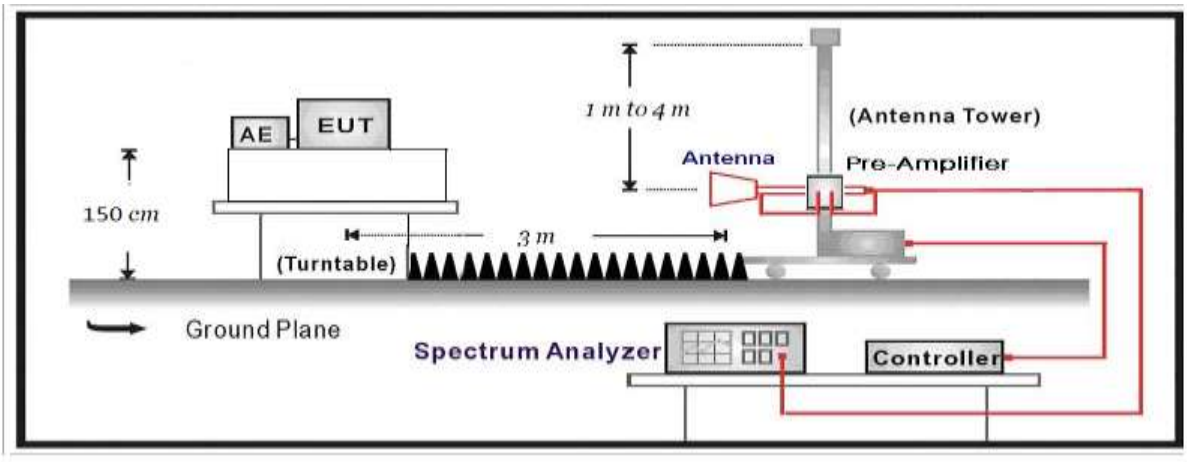
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

For FCC

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			

For ISED:

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/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)

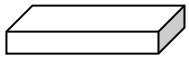
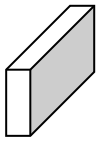
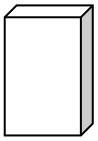
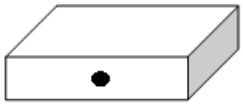
Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed 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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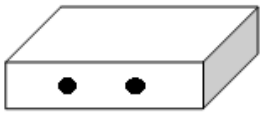
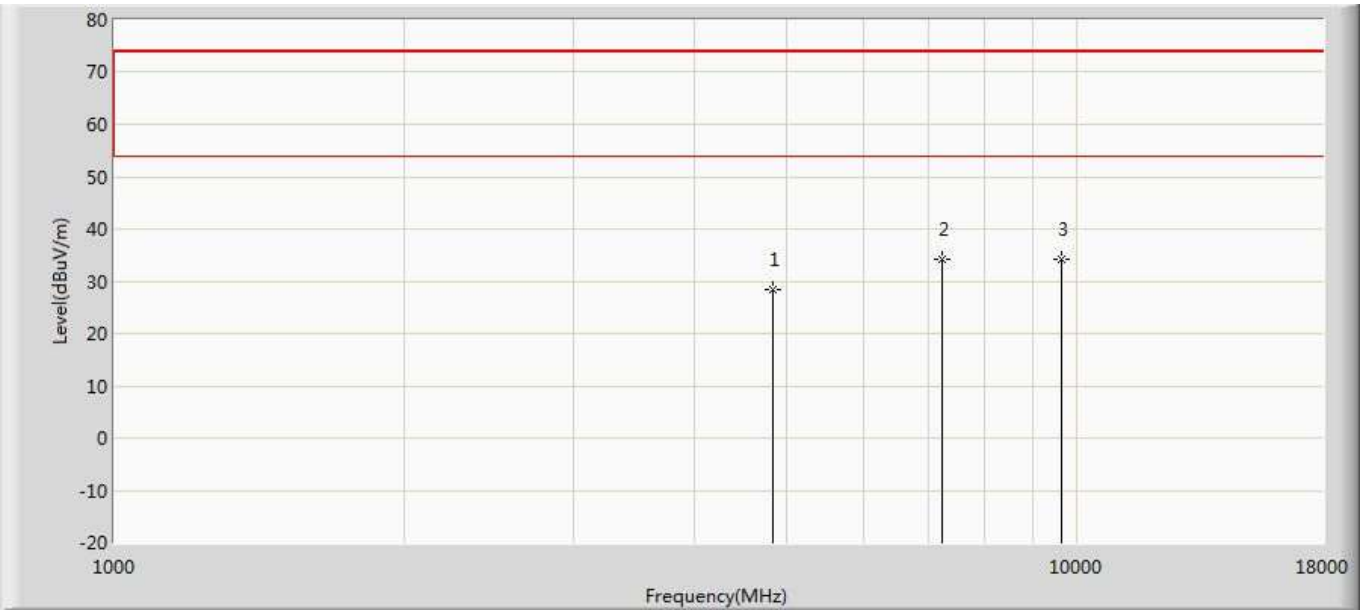
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

4.6. Test Result

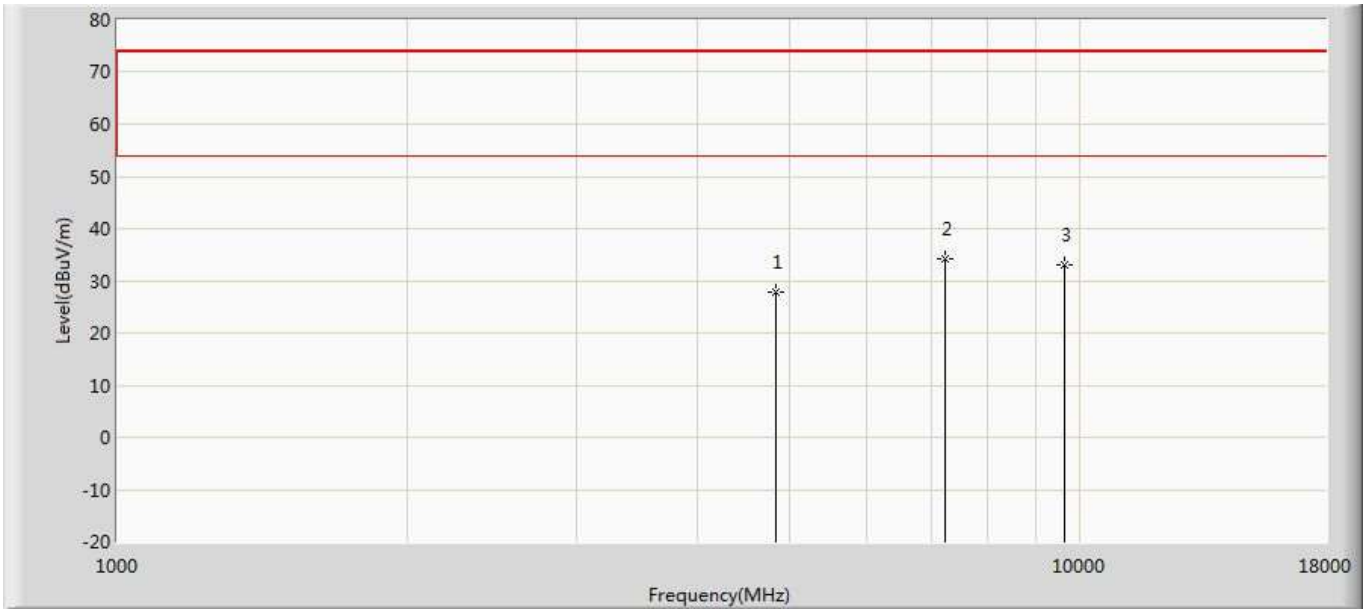
Radio 1:

Profile: 2032034R	Page No.: 1
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



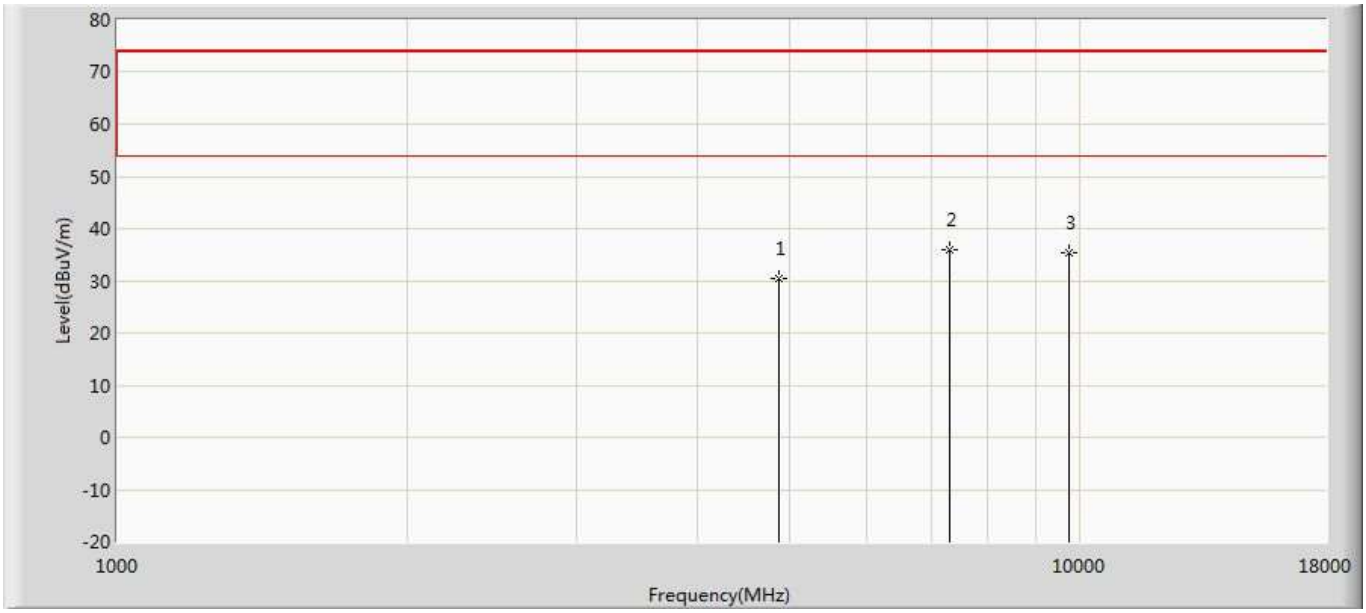
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.357	24.728	-45.643	74.000	3.629	PK
2	*	7236.000	34.328	26.051	-39.672	74.000	8.276	PK
3		9648.000	34.137	25.453	-39.863	74.000	8.683	PK

Profile: 2032034R	Page No.: 2
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



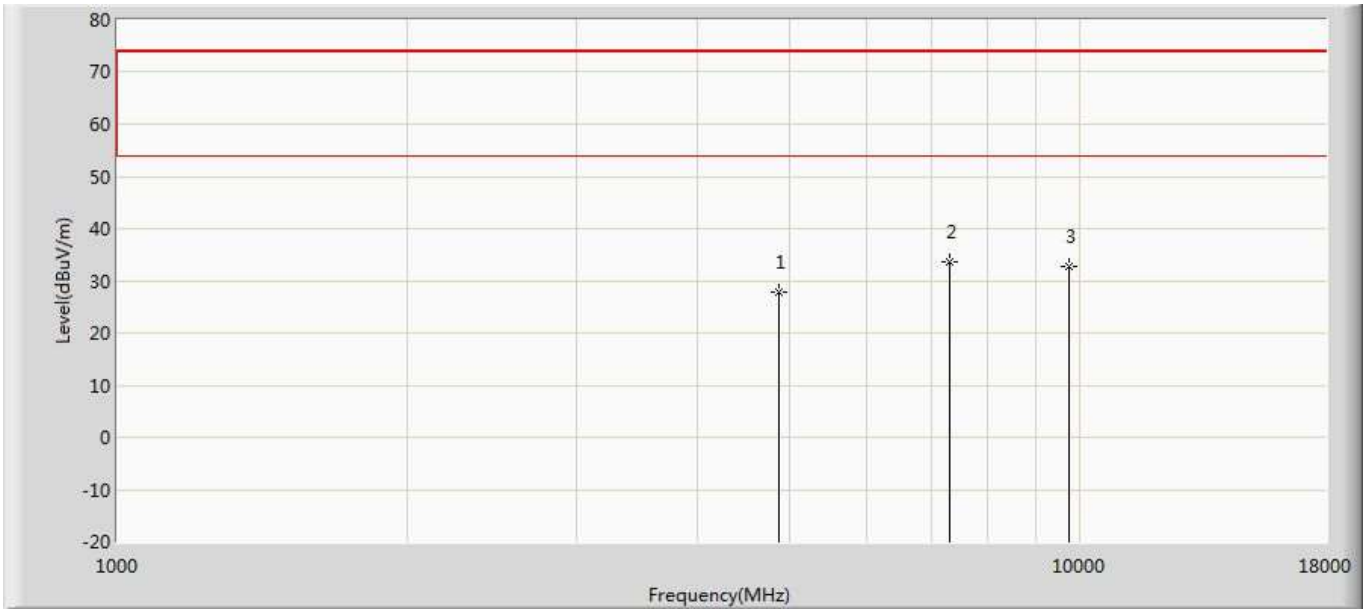
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	27.785	24.156	-46.215	74.000	3.629	PK
2	*	7236.000	34.295	26.018	-39.705	74.000	8.276	PK
3		9648.000	33.111	24.427	-40.889	74.000	8.683	PK

Profile: 2032034R	Page No.: 3
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



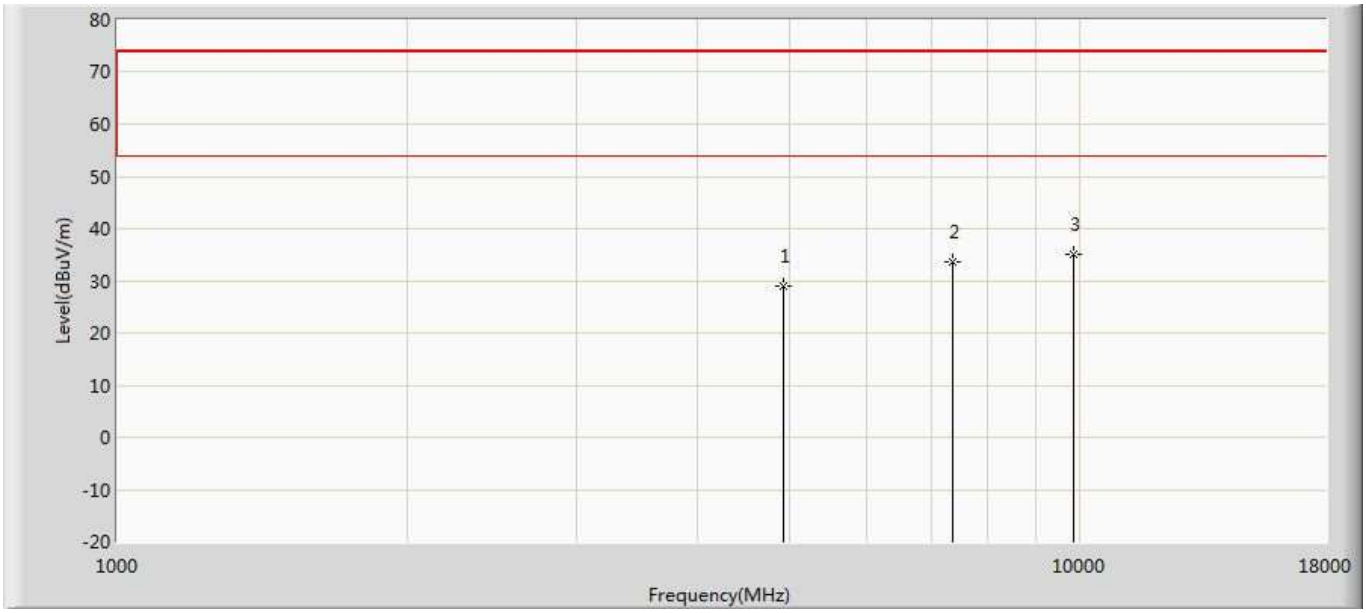
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	30.563	26.970	-43.437	74.000	3.593	PK
2	*	7311.000	35.864	27.513	-38.136	74.000	8.351	PK
3		9748.000	35.242	26.301	-38.758	74.000	8.941	PK

Profile: 2032034R	Page No.: 4
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



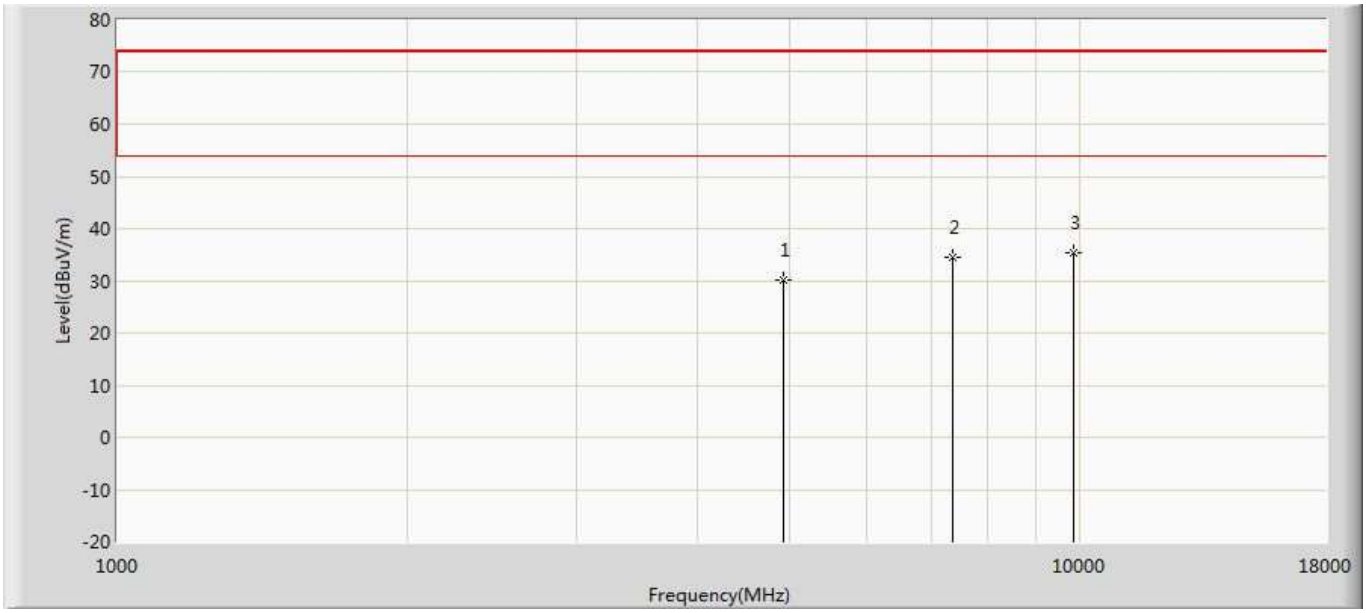
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	27.878	24.285	-46.122	74.000	3.593	PK
2	*	7311.000	33.736	25.385	-40.264	74.000	8.351	PK
3		9748.000	32.670	23.729	-41.330	74.000	8.941	PK

Profile: 2032034R	Page No.: 5
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



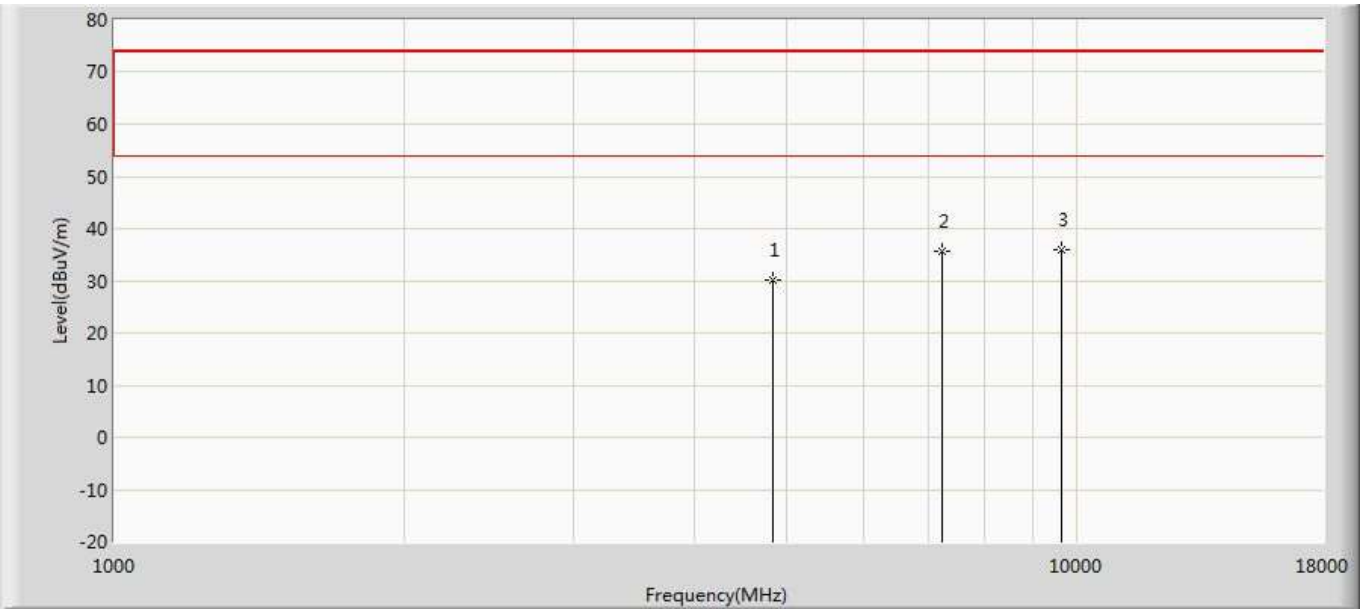
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.923	25.282	-45.077	74.000	3.641	PK
2		7386.000	33.539	25.780	-40.461	74.000	7.759	PK
3	*	9848.000	34.958	25.235	-39.042	74.000	9.723	PK

Profile: 2032034R	Page No.: 6
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



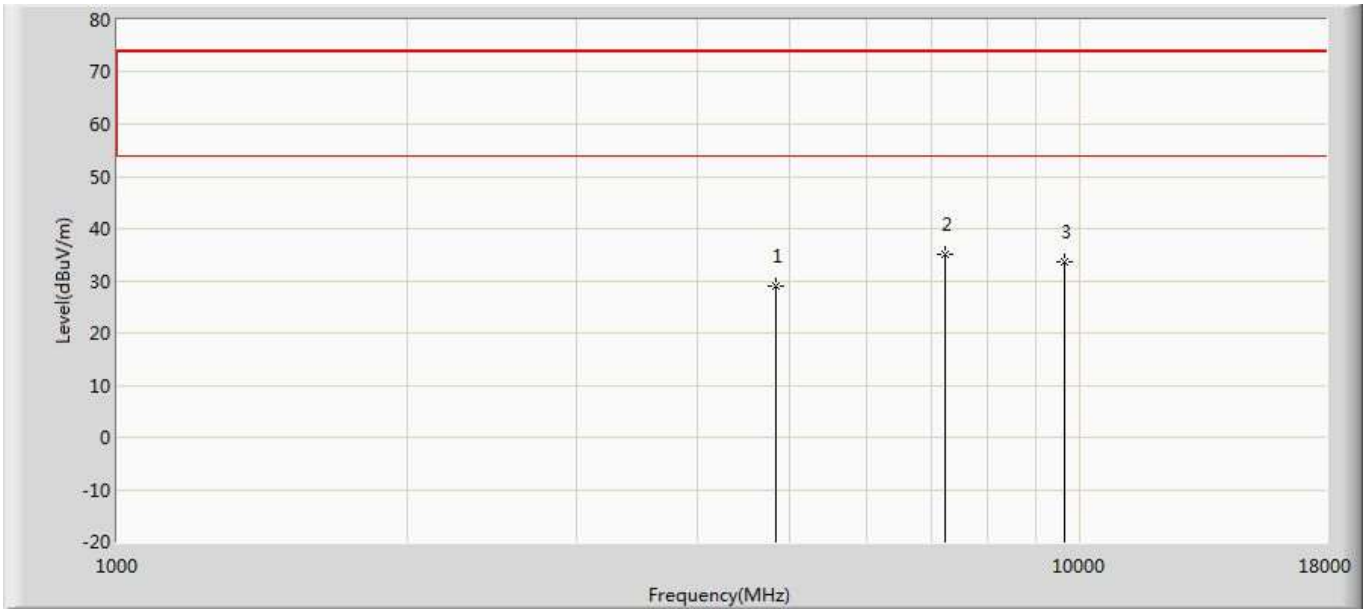
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	30.271	26.630	-43.729	74.000	3.641	PK
2		7386.000	34.500	26.741	-39.500	74.000	7.759	PK
3	*	9848.000	35.383	25.660	-38.617	74.000	9.723	PK

Profile: 2032034R	Page No.: 7
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	



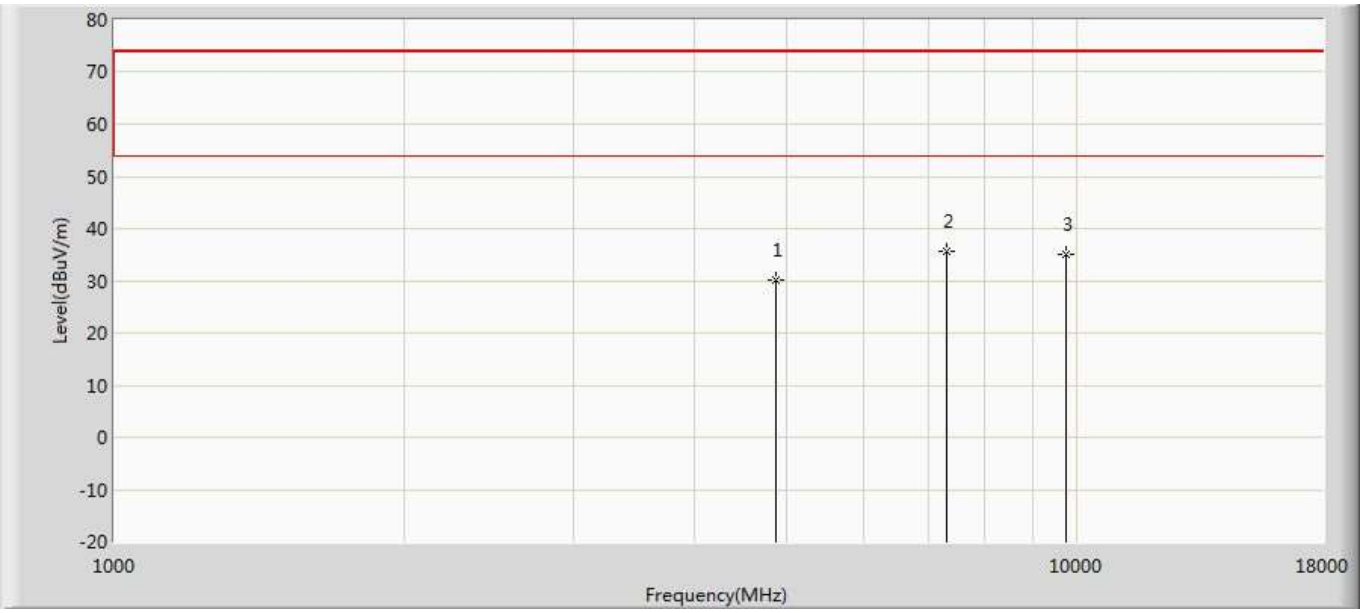
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	30.054	26.425	-43.946	74.000	3.629	PK
2		7236.000	35.705	27.428	-38.295	74.000	8.276	PK
3	*	9648.000	36.024	27.340	-37.976	74.000	8.683	PK

Profile: 2032034R	Page No.: 8
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	



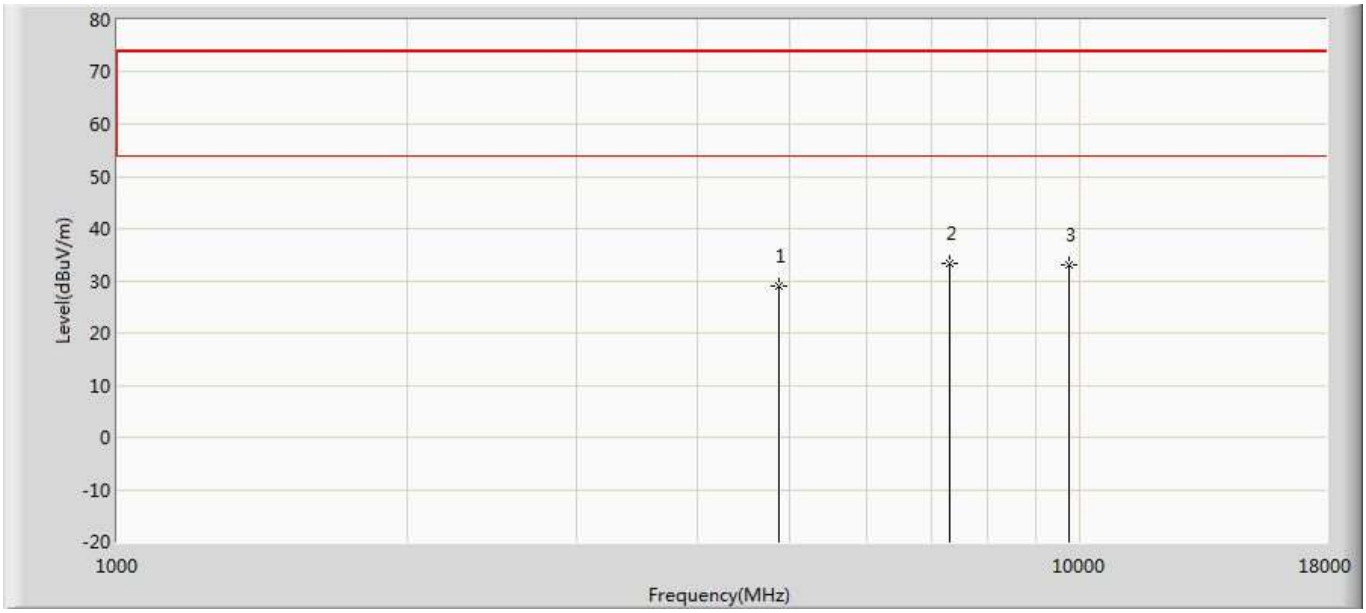
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	29.021	25.392	-44.979	74.000	3.629	PK
2	*	7236.000	35.113	26.836	-38.887	74.000	8.276	PK
3		9648.000	33.624	24.940	-40.376	74.000	8.683	PK

Profile: 2032034R	Page No.: 9
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



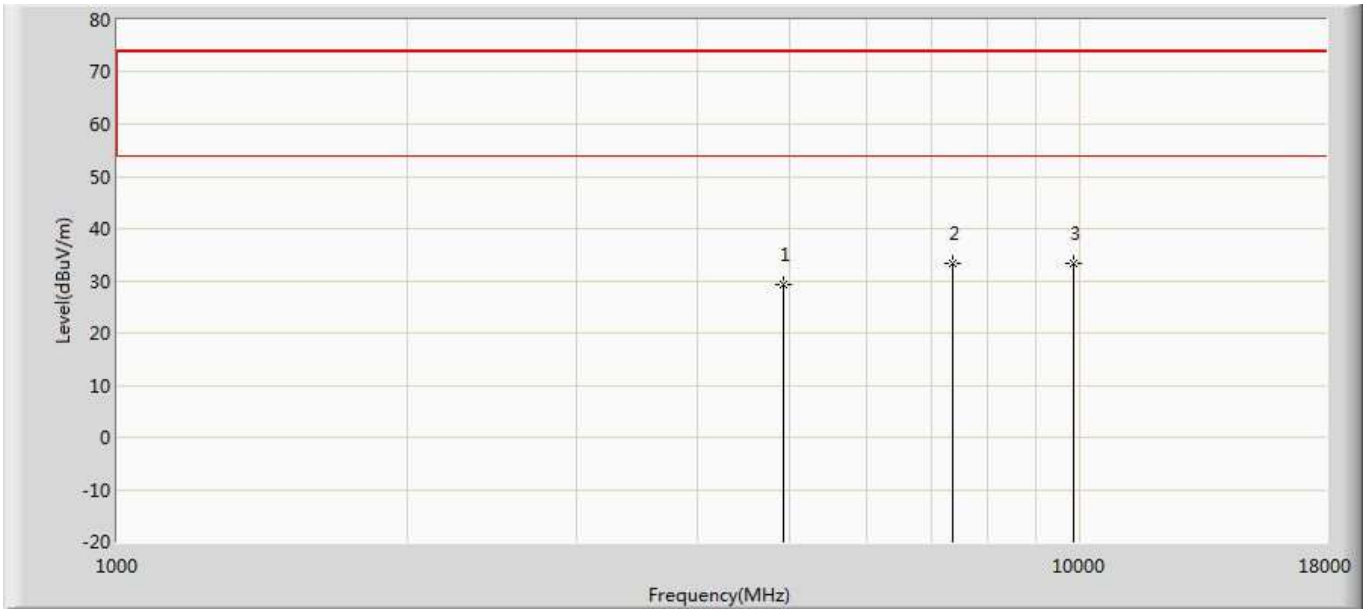
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	30.206	26.613	-43.794	74.000	3.593	PK
2	*	7311.000	35.580	27.229	-38.420	74.000	8.351	PK
3		9748.000	34.999	26.058	-39.001	74.000	8.941	PK

Profile: 2032034R	Page No.: 10
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



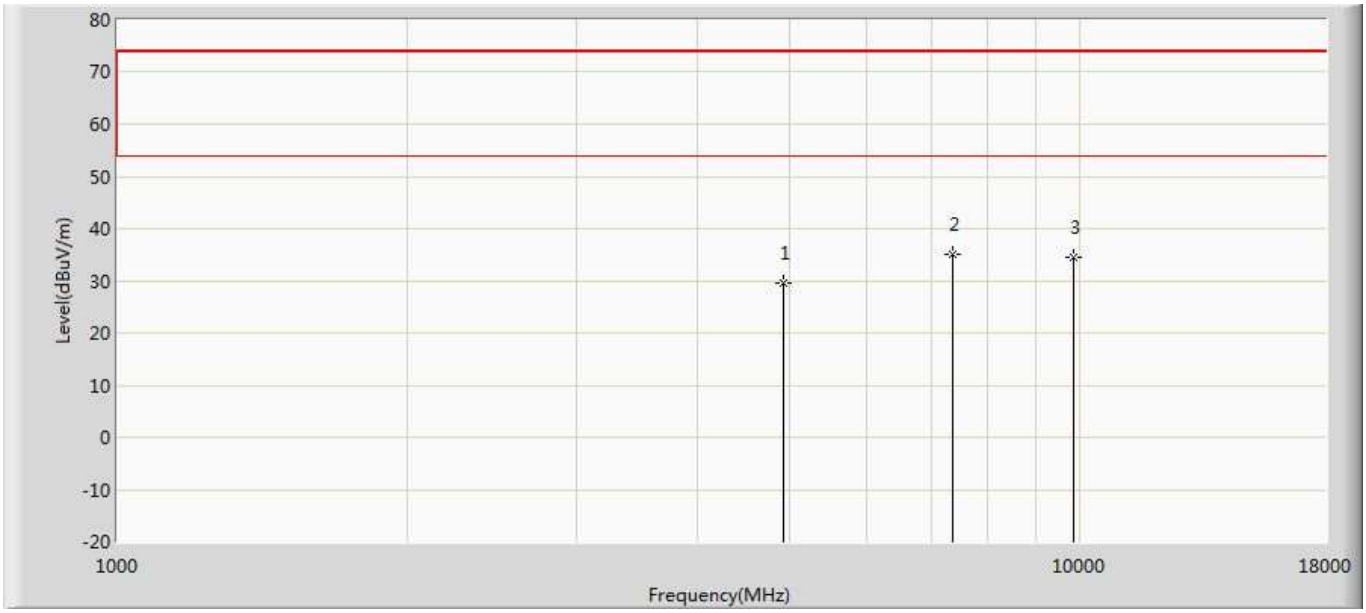
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.912	25.319	-45.088	74.000	3.593	PK
2	*	7311.000	33.457	25.106	-40.543	74.000	8.351	PK
3		9748.000	33.161	24.220	-40.839	74.000	8.941	PK

Profile: 2032034R	Page No.: 11
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



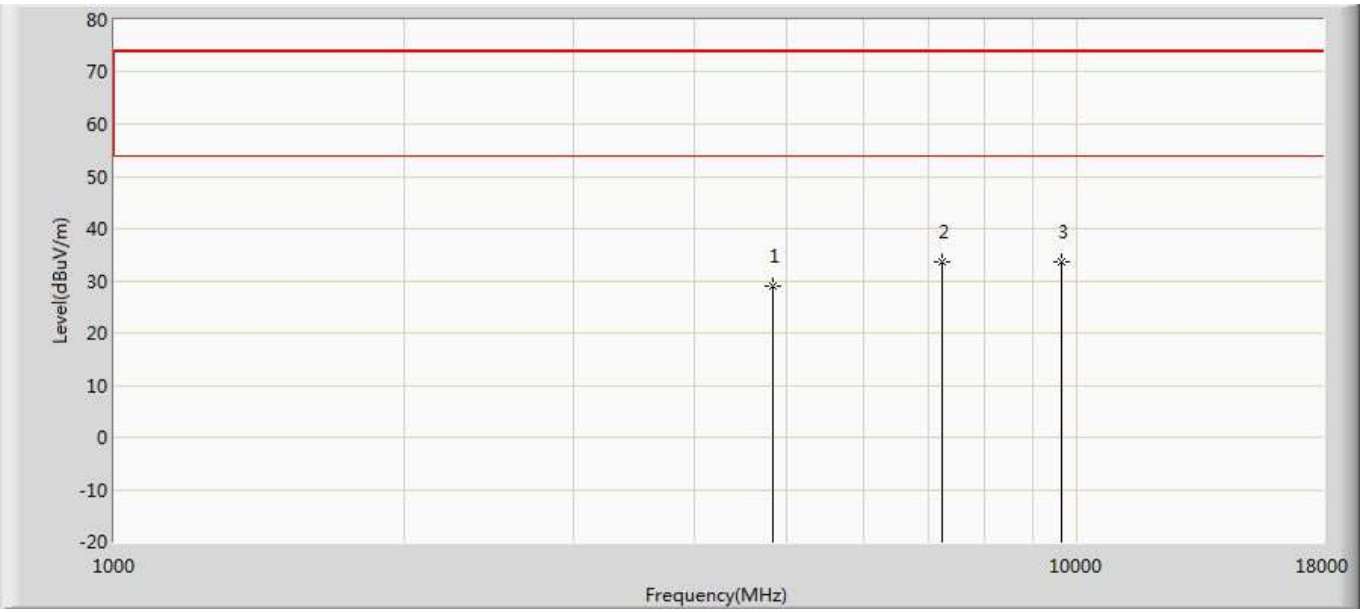
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.305	25.664	-44.695	74.000	3.641	PK
2	*	7386.000	33.352	25.593	-40.648	74.000	7.759	PK
3		9848.000	33.237	23.514	-40.763	74.000	9.723	PK

Profile: 2032034R	Page No.: 12
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



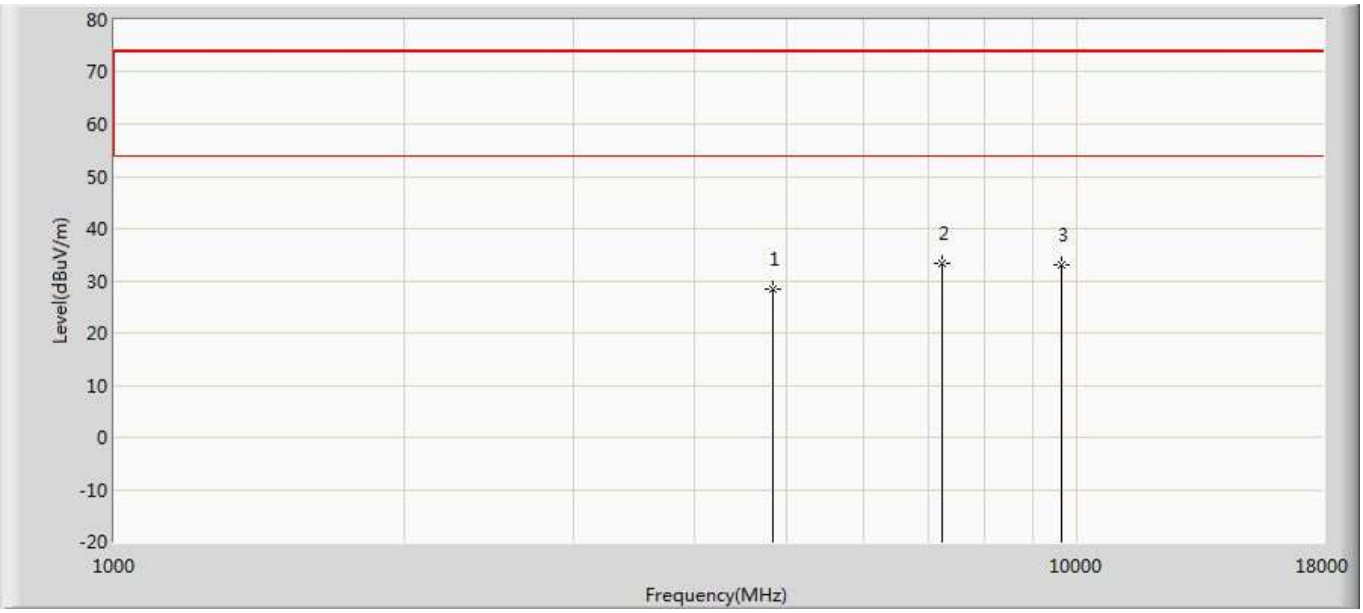
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.692	26.051	-44.308	74.000	3.641	PK
2	*	7386.000	34.972	27.213	-39.028	74.000	7.759	PK
3		9848.000	34.388	24.665	-39.612	74.000	9.723	PK

Profile: 2032034R	Page No.: 13
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



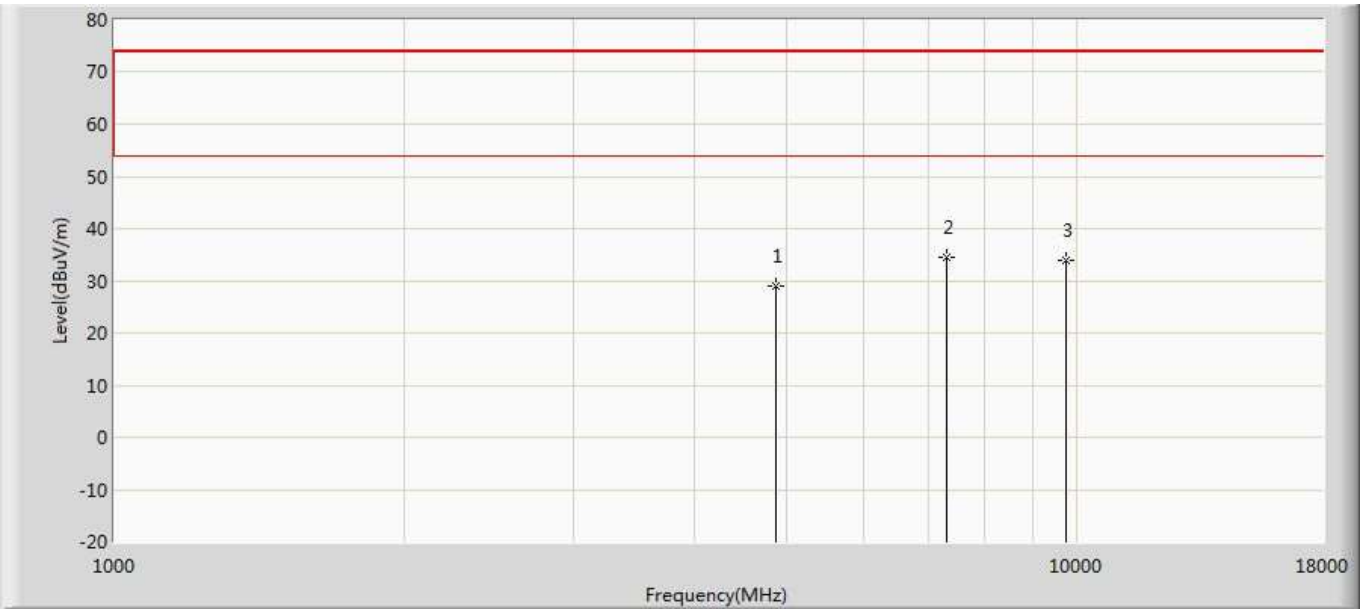
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.962	25.333	-45.038	74.000	3.629	PK
2	*	7236.000	33.732	25.455	-40.268	74.000	8.276	PK
3		9648.000	33.661	24.977	-40.339	74.000	8.683	PK

Profile: 2032034R	Page No.: 14
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



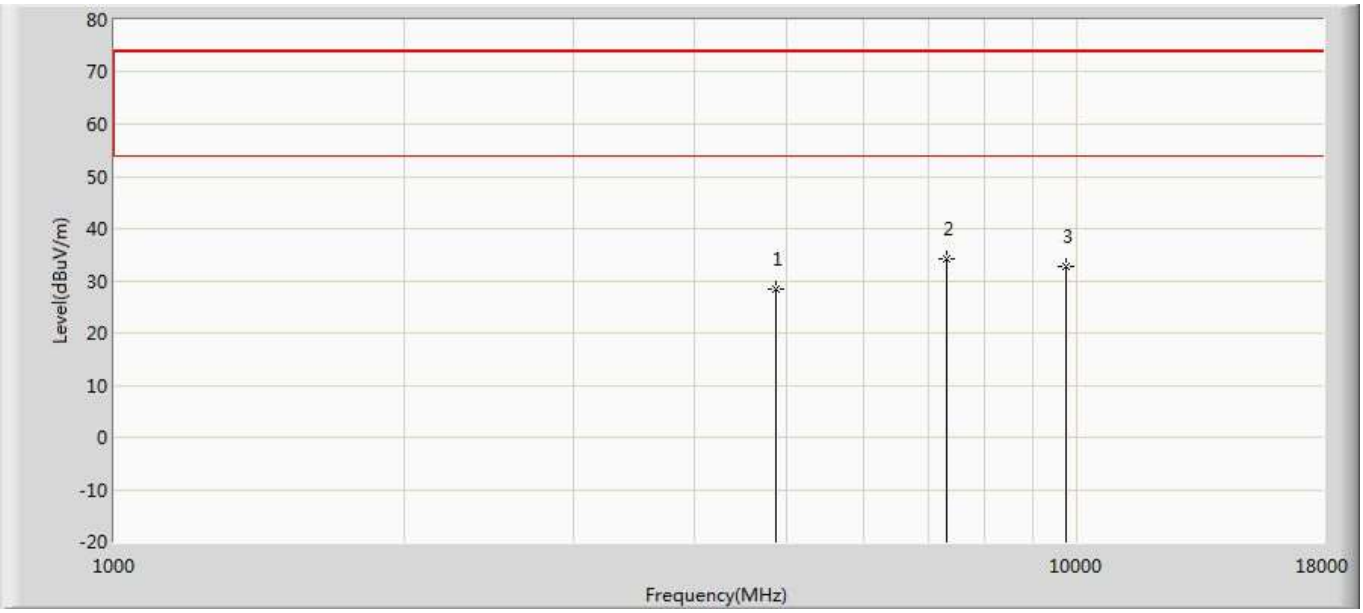
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.376	24.747	-45.624	74.000	3.629	PK
2	*	7236.000	33.327	25.050	-40.673	74.000	8.276	PK
3		9648.000	33.047	24.363	-40.953	74.000	8.683	PK

Profile: 2032034R	Page No.: 15
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



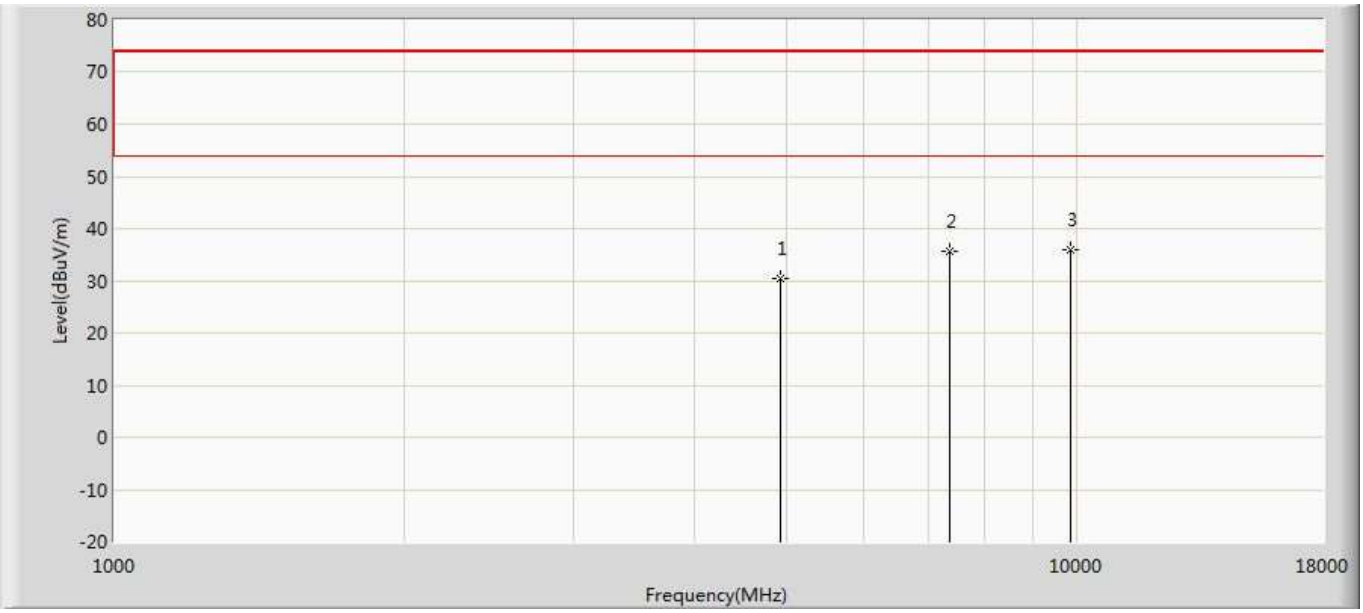
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.874	25.281	-45.126	74.000	3.593	PK
2	*	7311.000	34.530	26.179	-39.470	74.000	8.351	PK
3		9748.000	33.954	25.013	-40.046	74.000	8.941	PK

Profile: 2032034R	Page No.: 16
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



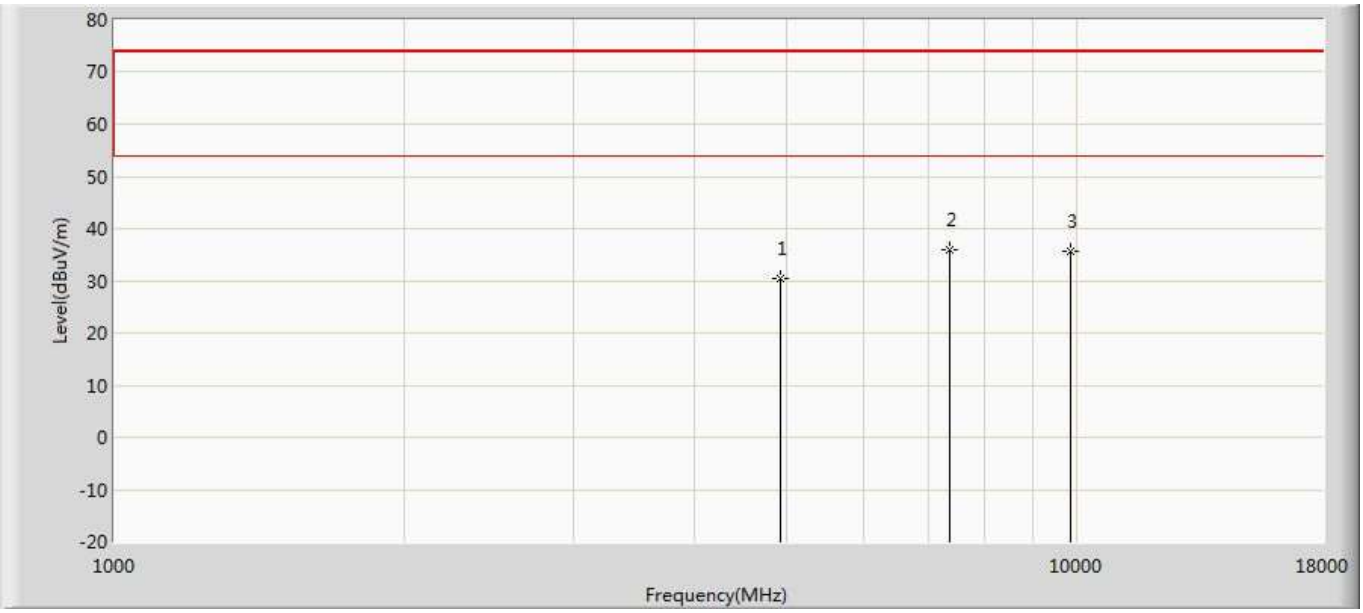
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.344	24.751	-45.656	74.000	3.593	PK
2	*	7311.000	34.152	25.801	-39.848	74.000	8.351	PK
3		9748.000	32.888	23.947	-41.112	74.000	8.941	PK

Profile: 2032034R	Page No.: 17
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 18:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



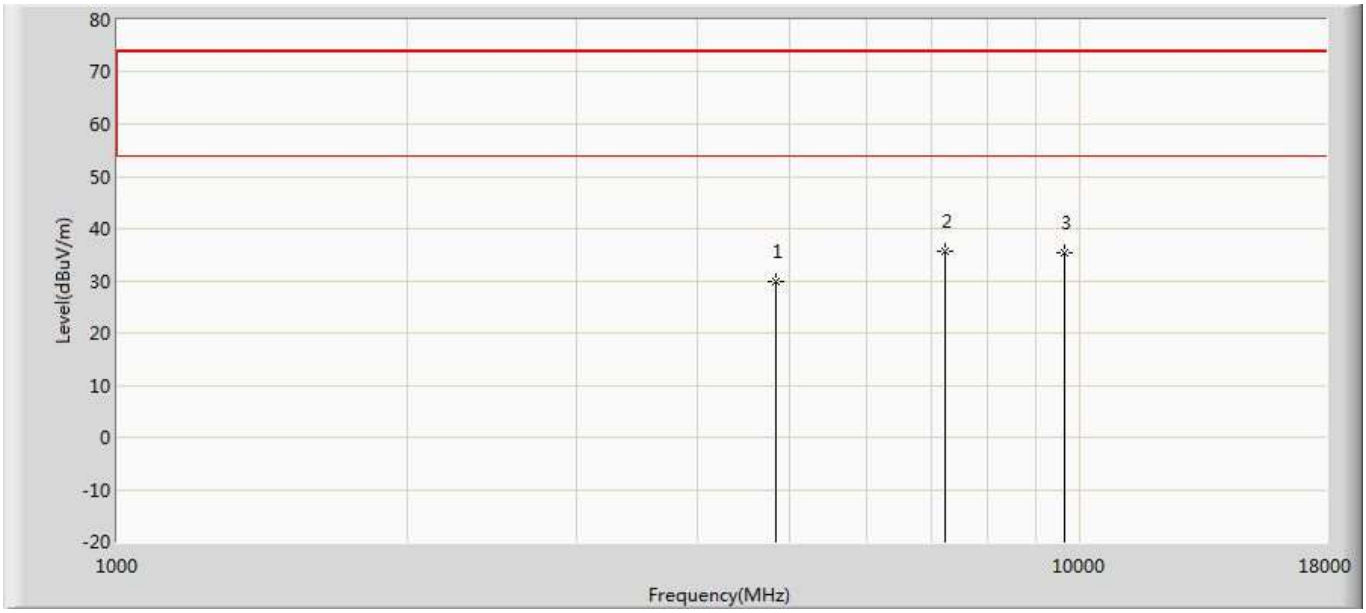
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	30.446	26.805	-43.554	74.000	3.641	PK
2		7386.000	35.512	27.753	-38.488	74.000	7.759	PK
3	*	9848.000	36.004	26.281	-37.996	74.000	9.723	PK

Profile: 2032034R	Page No.: 18
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



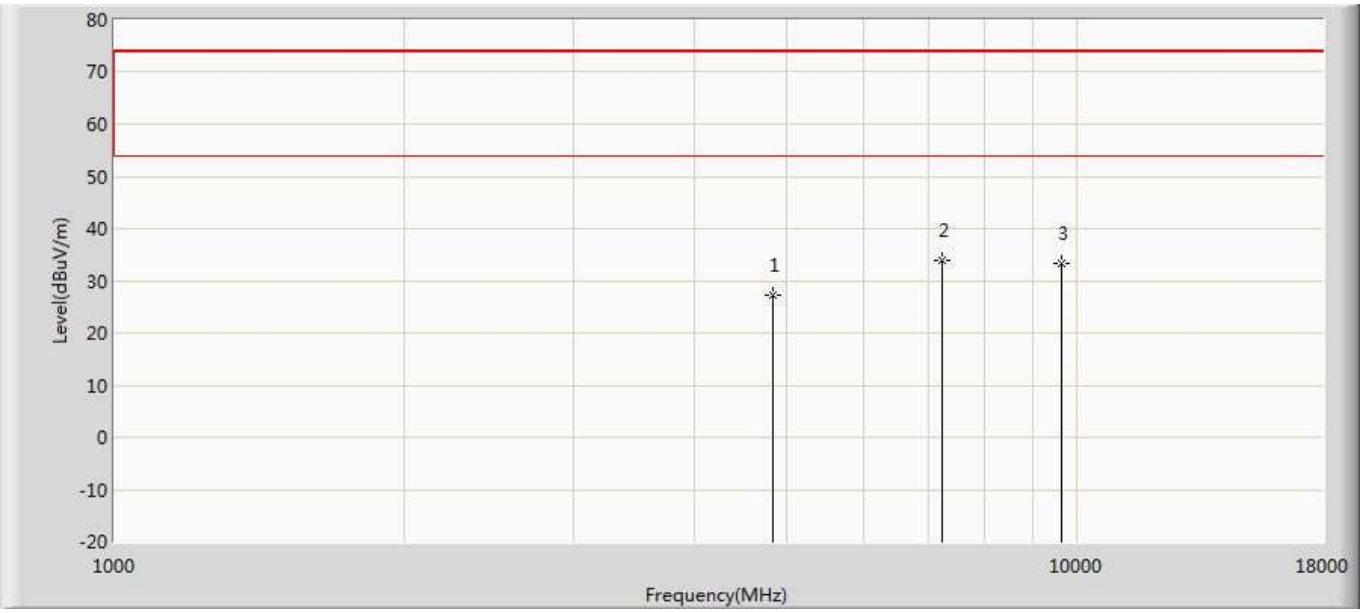
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	30.431	26.790	-43.569	74.000	3.641	PK
2	*	7386.000	36.055	28.296	-37.945	74.000	7.759	PK
3		9848.000	35.780	26.057	-38.220	74.000	9.723	PK

Profile: 2032034R	Page No.: 19
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



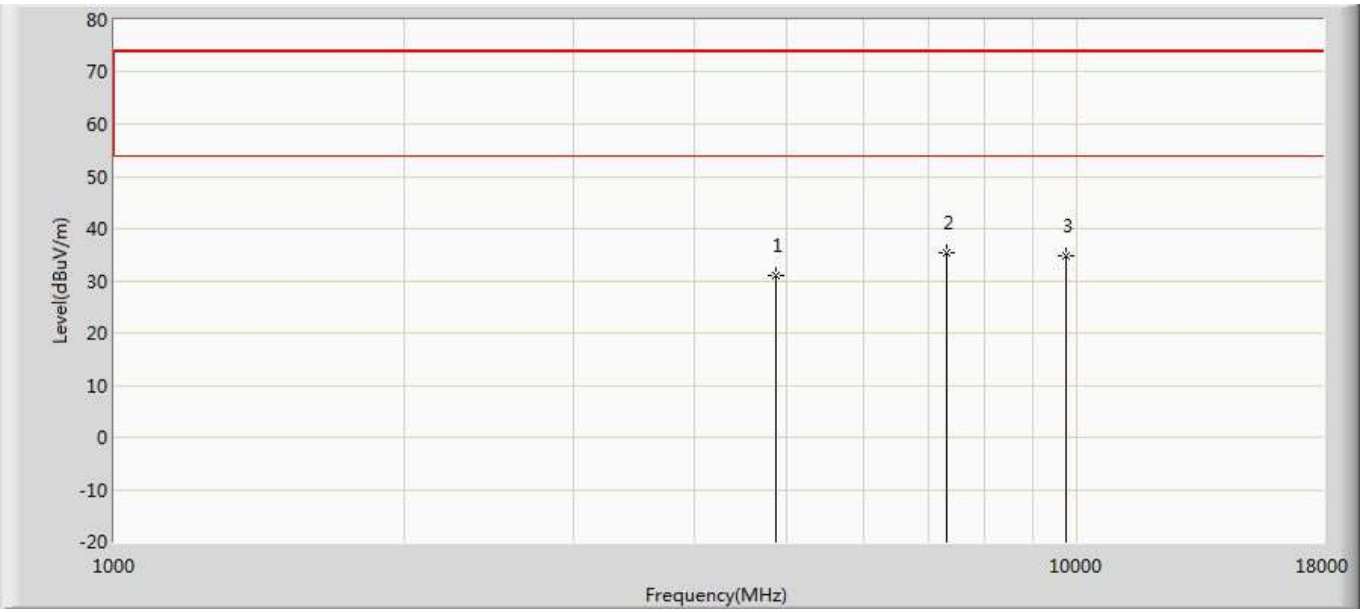
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	29.922	26.293	-44.078	74.000	3.629	PK
2	*	7236.000	35.795	27.518	-38.205	74.000	8.276	PK
3		9648.000	35.464	26.780	-38.536	74.000	8.683	PK

Profile: 2032034R	Page No.: 20
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



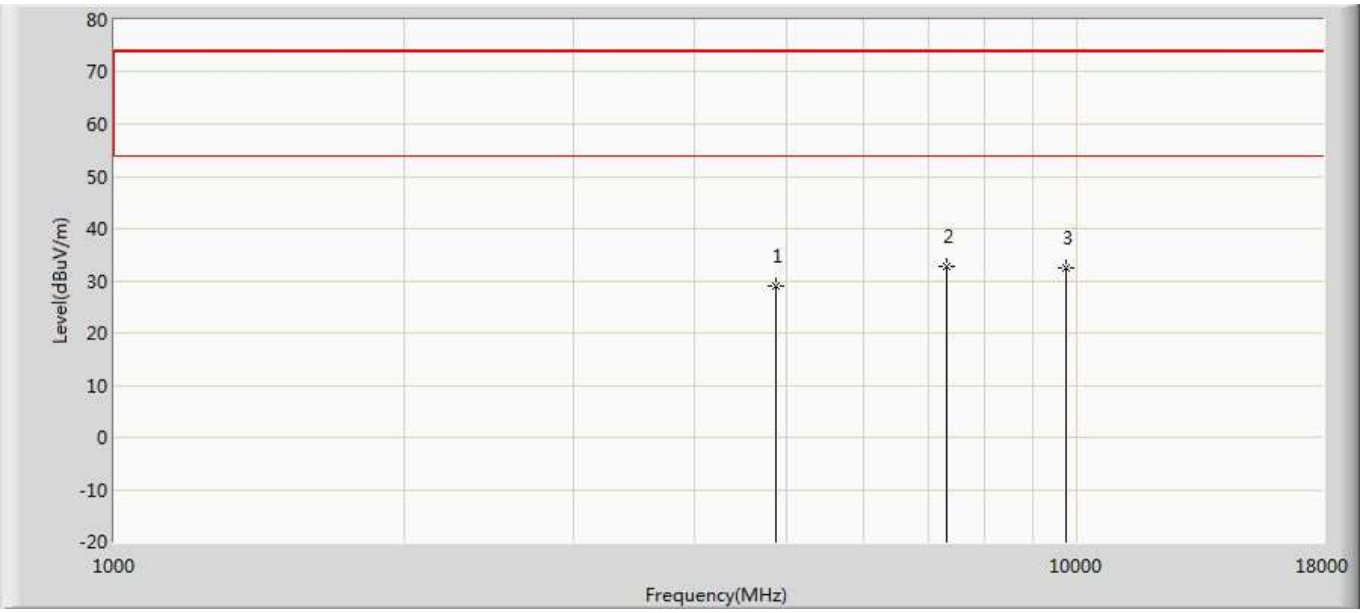
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	27.278	23.649	-46.722	74.000	3.629	PK
2	*	7236.000	33.837	25.560	-40.163	74.000	8.276	PK
3		9648.000	33.438	24.754	-40.562	74.000	8.683	PK

Profile: 2032034R	Page No.: 21
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



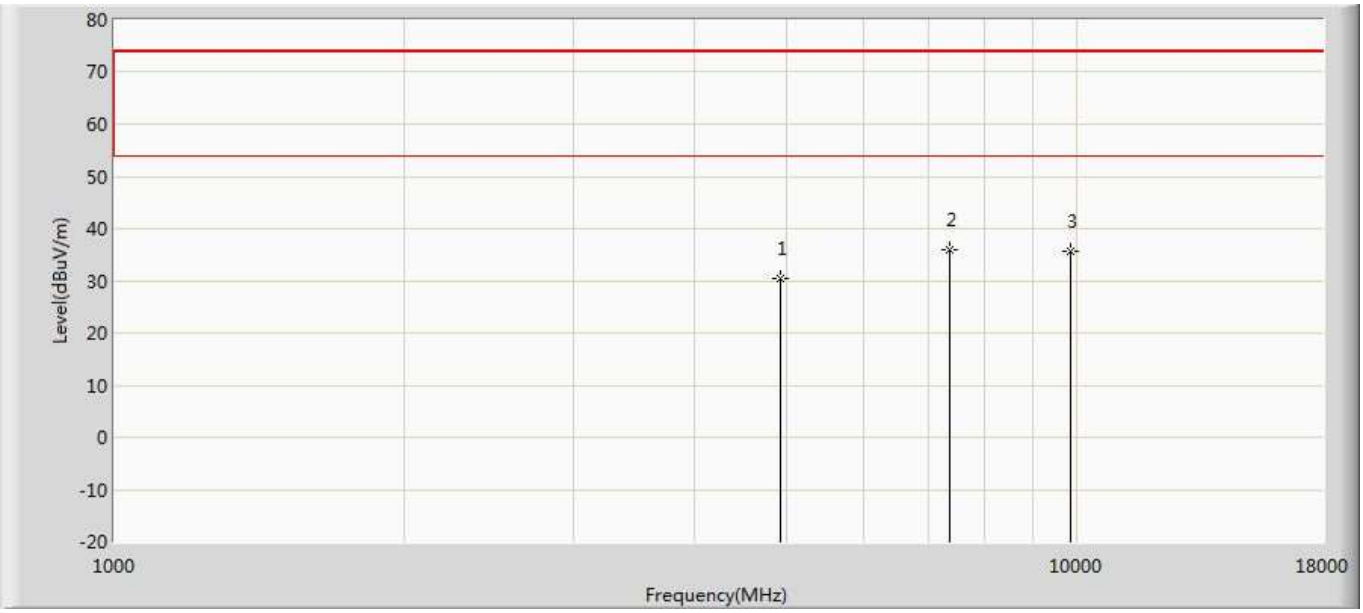
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	30.900	27.307	-43.100	74.000	3.593	PK
2	*	7311.000	35.262	26.911	-38.738	74.000	8.351	PK
3		9748.000	34.873	25.932	-39.127	74.000	8.941	PK

Profile: 2032034R	Page No.: 22
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



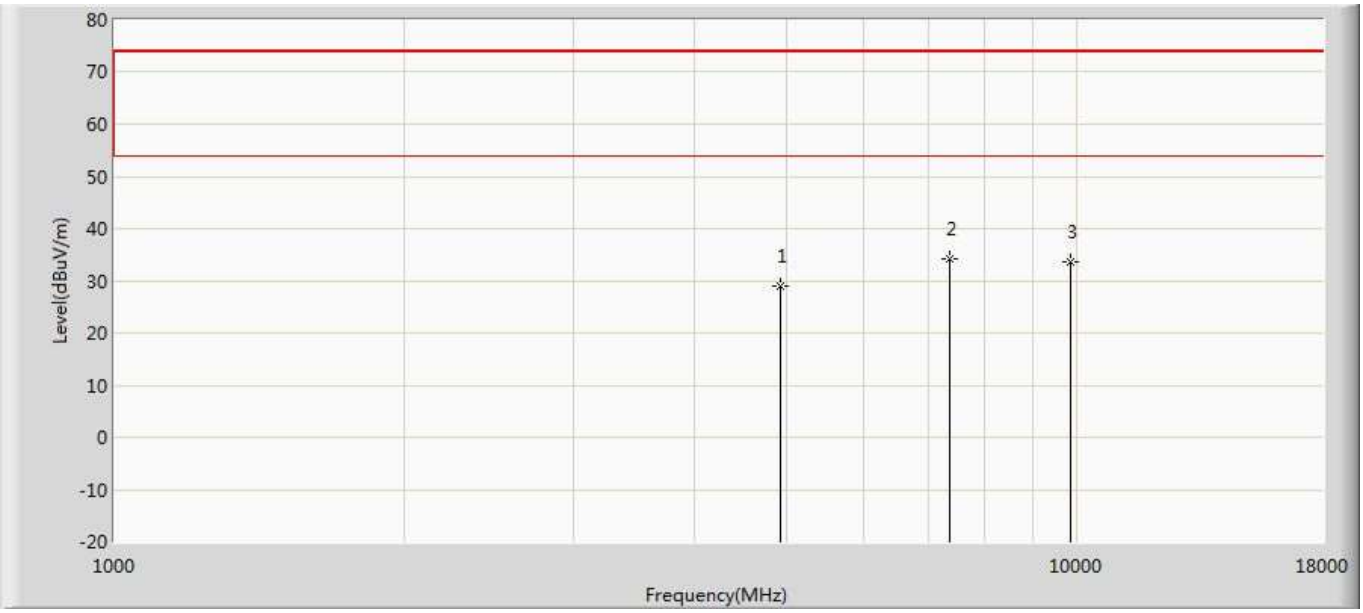
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	29.054	25.461	-44.946	74.000	3.593	PK
2	*	7311.000	32.816	24.465	-41.184	74.000	8.351	PK
3		9748.000	32.401	23.460	-41.599	74.000	8.941	PK

Profile: 2032034R	Page No.: 23
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	30.431	26.790	-43.569	74.000	3.641	PK
2	*	7386.000	36.055	28.296	-37.945	74.000	7.759	PK
3		9848.000	35.780	26.057	-38.220	74.000	9.723	PK

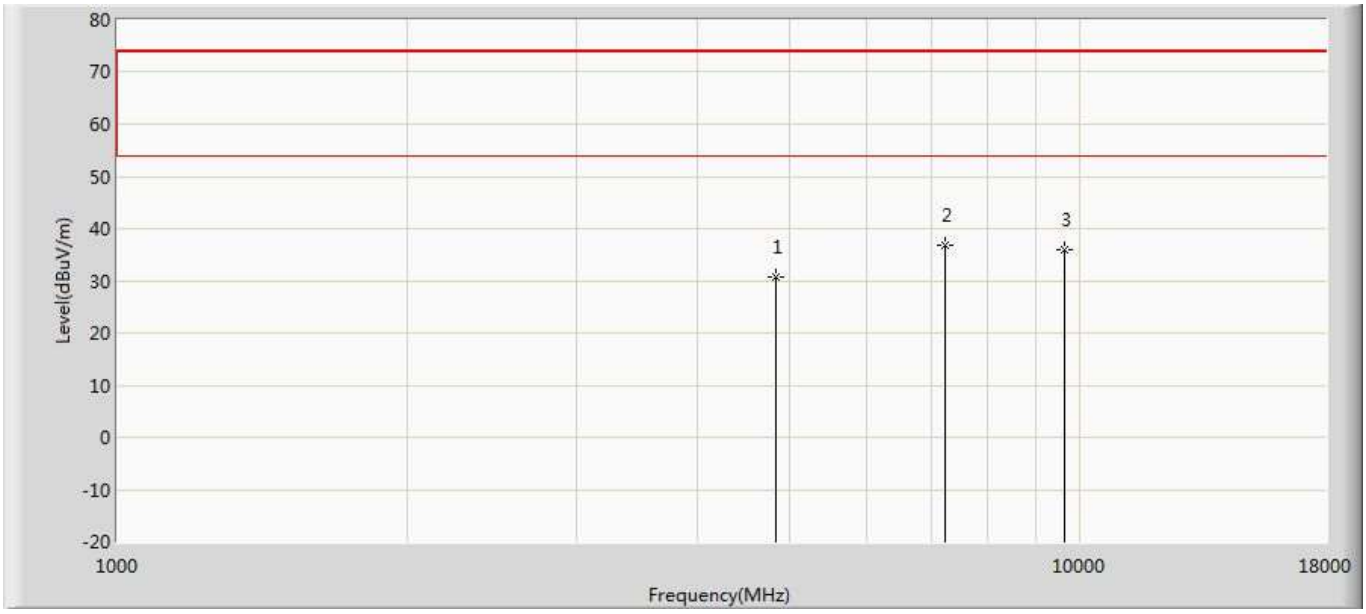
Profile: 2032034R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.934	25.293	-45.066	74.000	3.641	PK
2	*	7386.000	34.303	26.544	-39.697	74.000	7.759	PK
3		9848.000	33.591	23.868	-40.409	74.000	9.723	PK

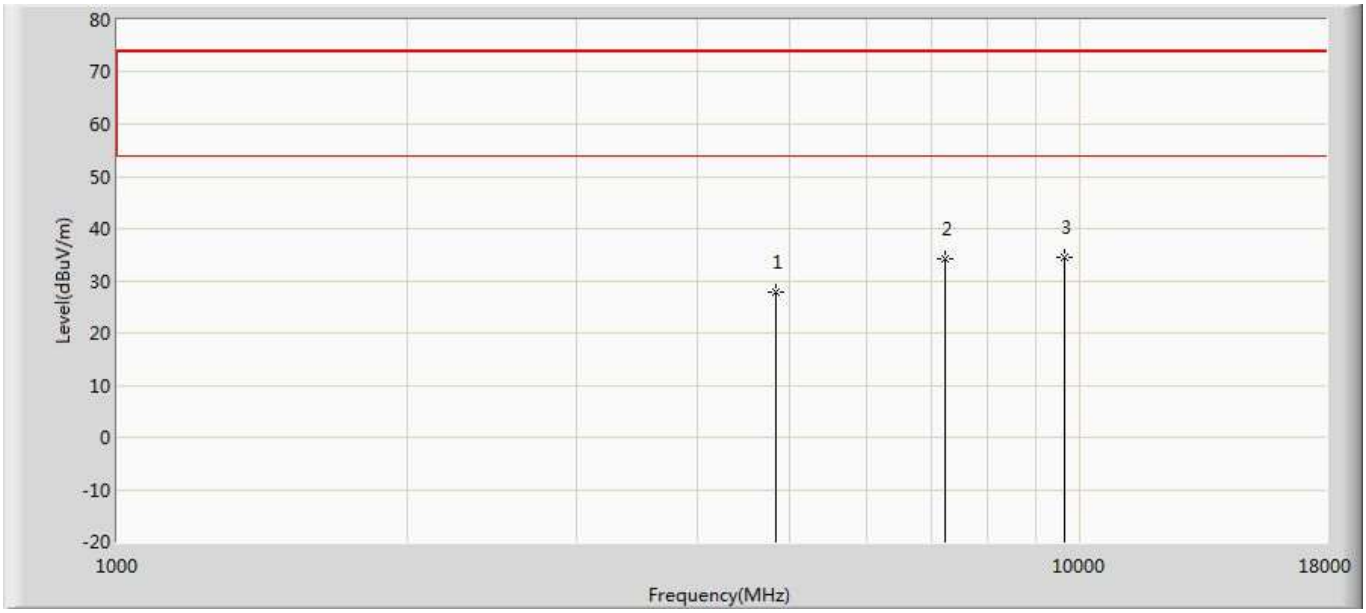
Radio 2 SISO:

Profile: 2032034R	Page No.: 2
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



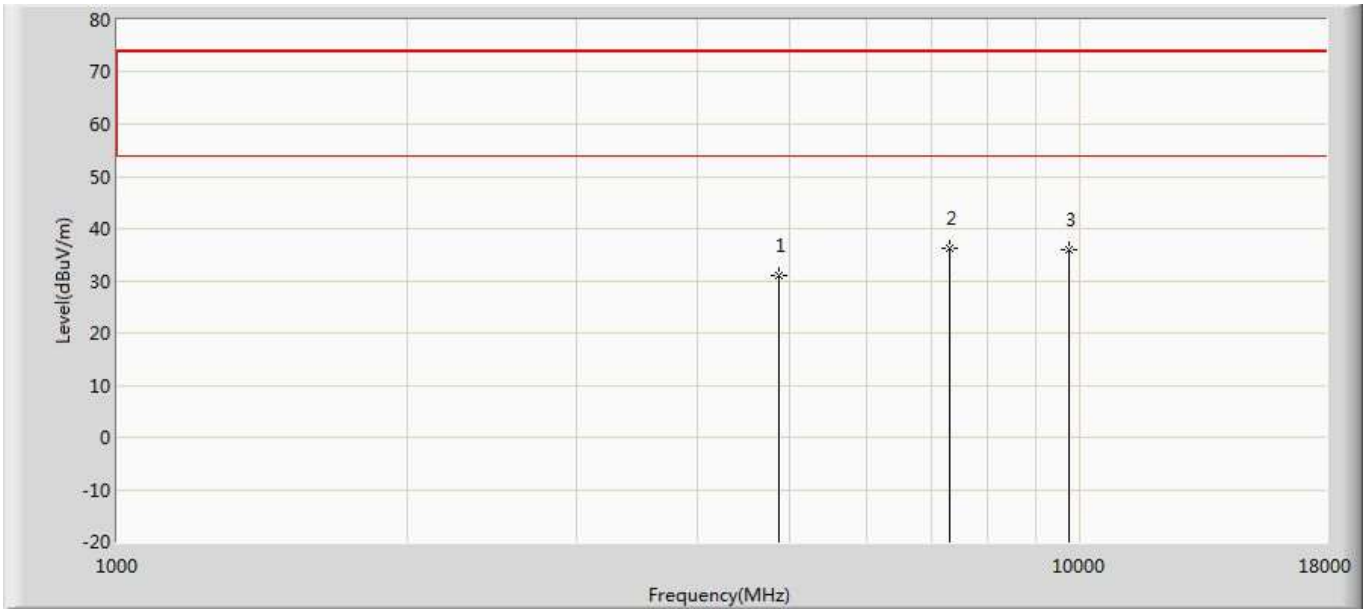
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	30.862	27.233	-43.138	74.000	3.629	PK
2	*	7236.000	36.872	28.595	-37.128	74.000	8.276	PK
3		9648.000	35.955	27.271	-38.045	74.000	8.683	PK

Profile: 2032034R	Page No.: 3
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2412MHz by 802.11b	



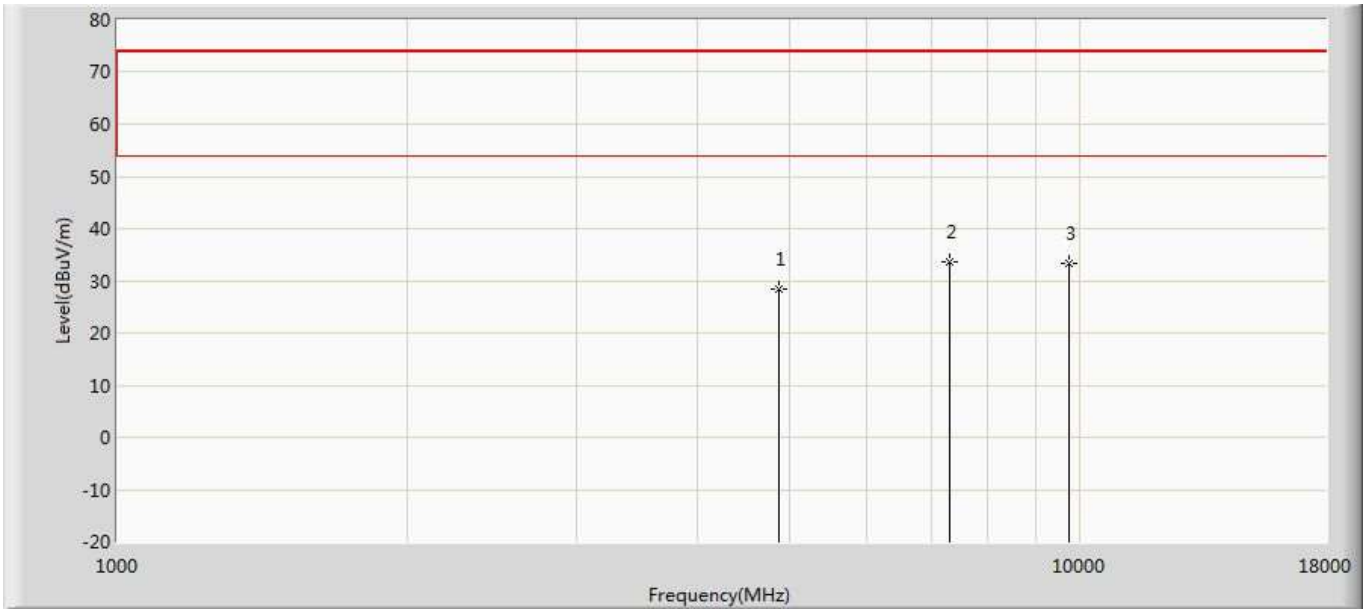
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	27.932	24.303	-46.068	74.000	3.629	PK
2		7236.000	34.180	25.903	-39.820	74.000	8.276	PK
3	*	9648.000	34.376	25.692	-39.624	74.000	8.683	PK

Profile: 2032034R	Page No.: 4
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



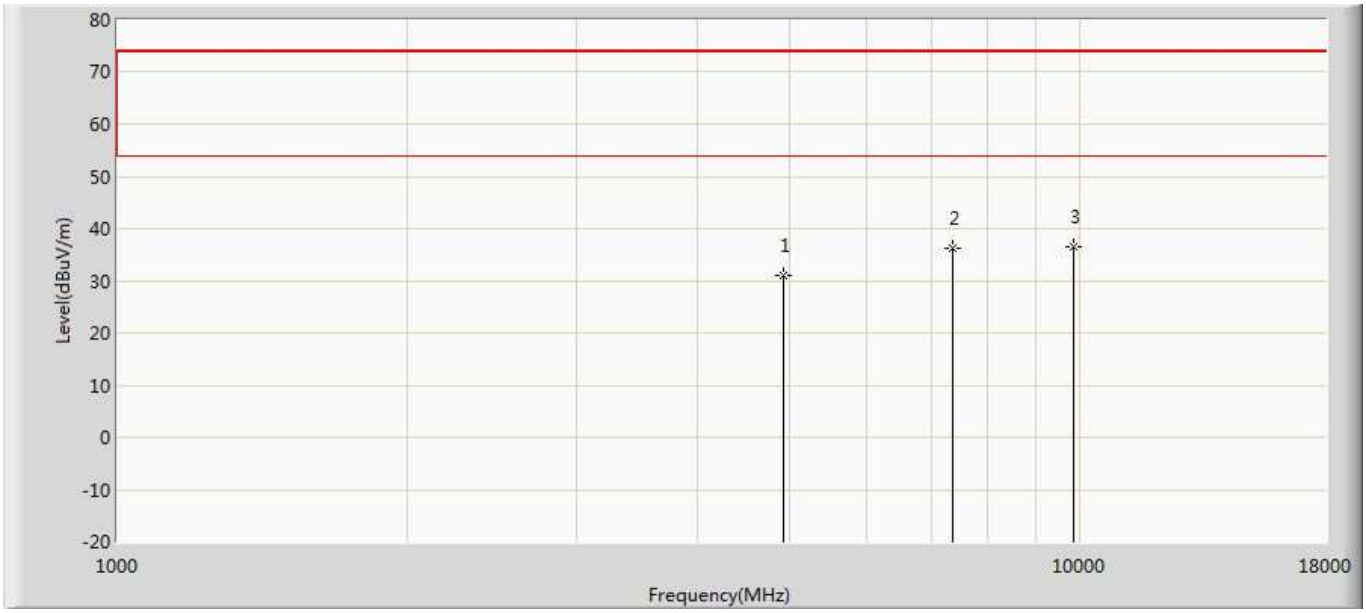
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	31.093	27.500	-42.907	74.000	3.593	PK
2	*	7311.000	36.235	27.884	-37.765	74.000	8.351	PK
3		9748.000	36.024	27.083	-37.976	74.000	8.941	PK

Profile: 2032034R	Page No.: 5
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:13
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2437MHz by 802.11b	



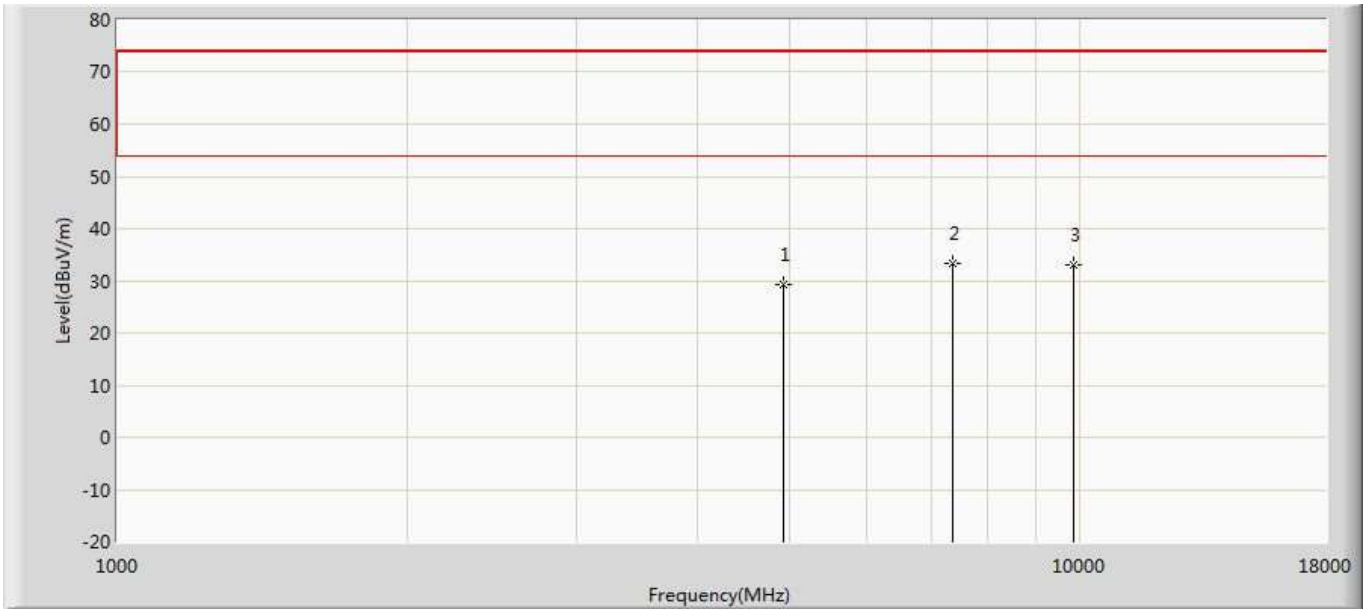
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.514	24.921	-45.486	74.000	3.593	PK
2	*	7311.000	33.682	25.331	-40.318	74.000	8.351	PK
3		9748.000	33.201	24.260	-40.799	74.000	8.941	PK

Profile: 2032034R	Page No.: 6
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



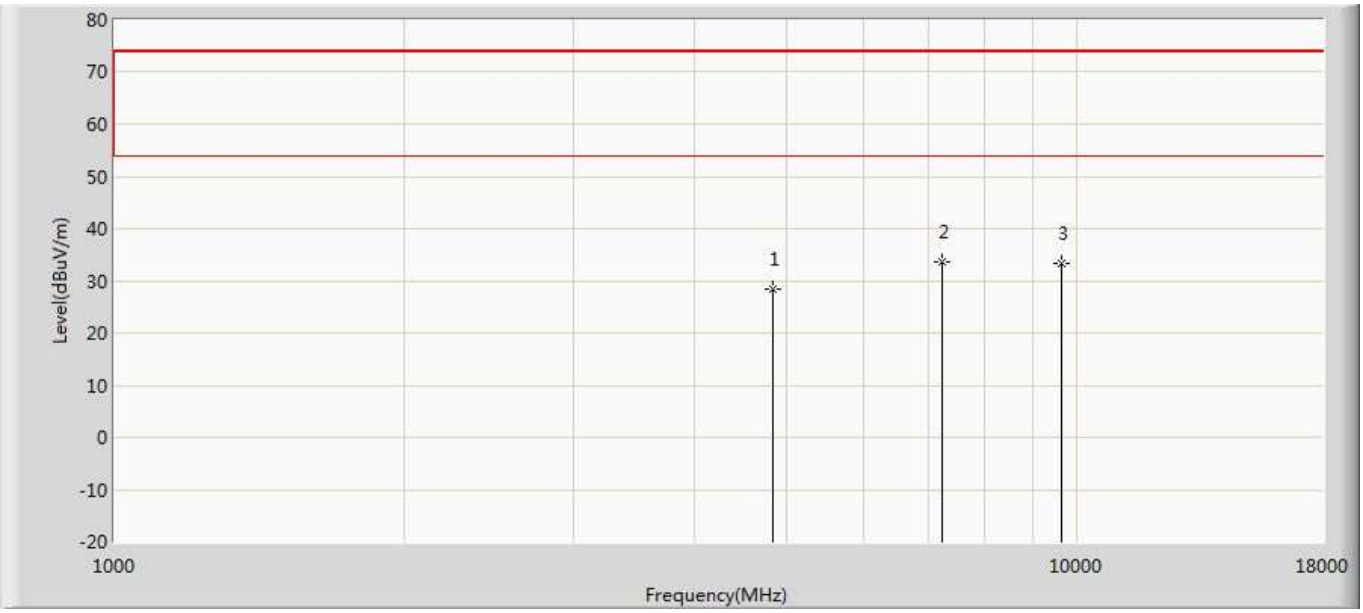
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	31.008	27.367	-42.992	74.000	3.641	PK
2		7386.000	36.293	28.534	-37.707	74.000	7.759	PK
3	*	9848.000	36.541	26.818	-37.459	74.000	9.723	PK

Profile: 2032034R	Page No.: 7
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 2462MHz by 802.11b	



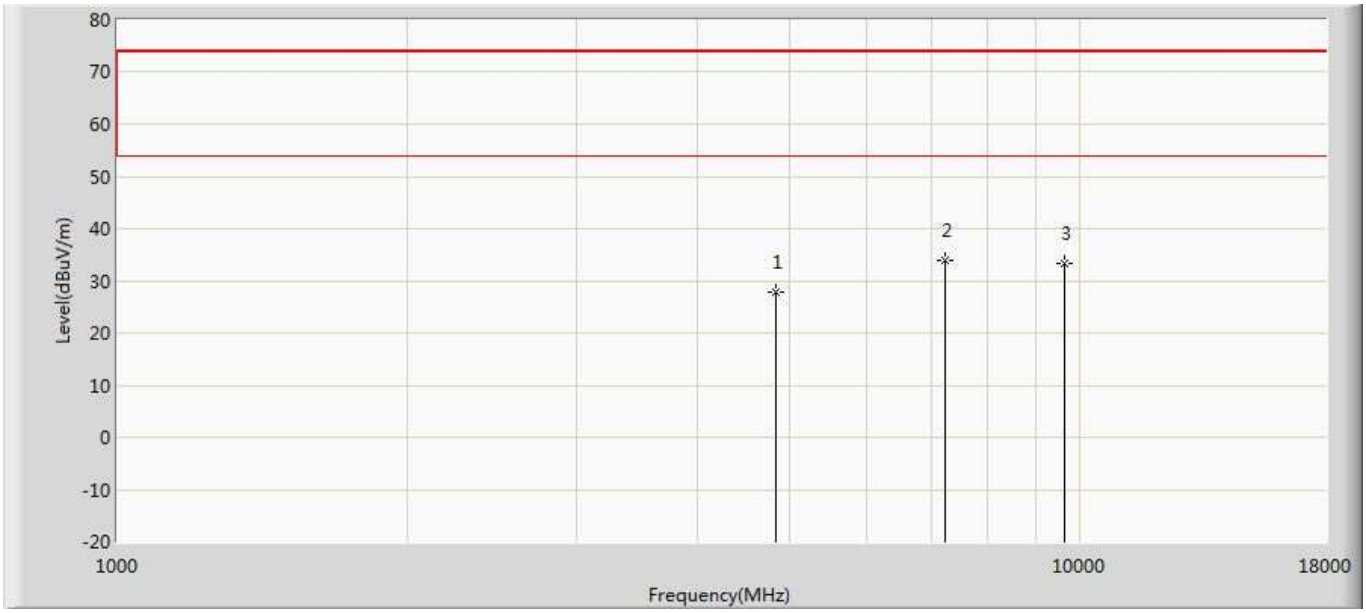
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.238	25.597	-44.762	74.000	3.641	PK
2	*	7386.000	33.388	25.629	-40.612	74.000	7.759	PK
3		9848.000	33.097	23.374	-40.903	74.000	9.723	PK

Profile: 2032034R	Page No.: 8
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	



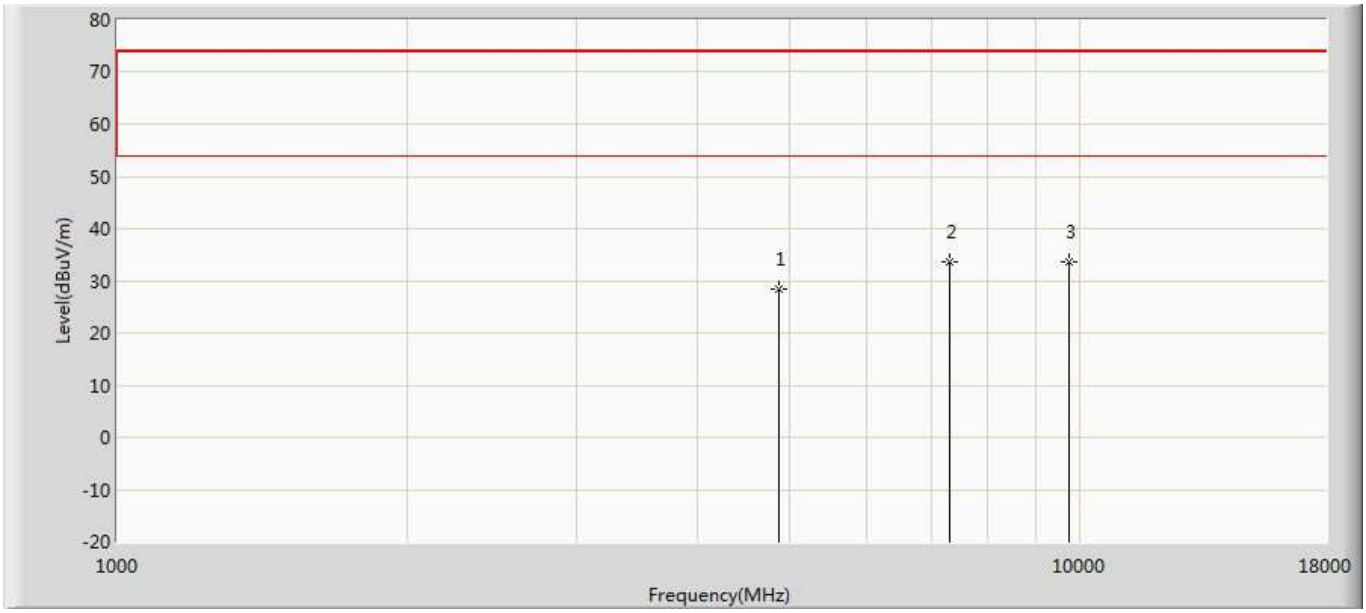
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.344	24.715	-45.656	74.000	3.629	PK
2	*	7236.000	33.754	25.477	-40.246	74.000	8.276	PK
3		9648.000	33.295	24.611	-40.705	74.000	8.683	PK

Profile: 2032034R	Page No.: 9
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2412MHz by 802.11g	



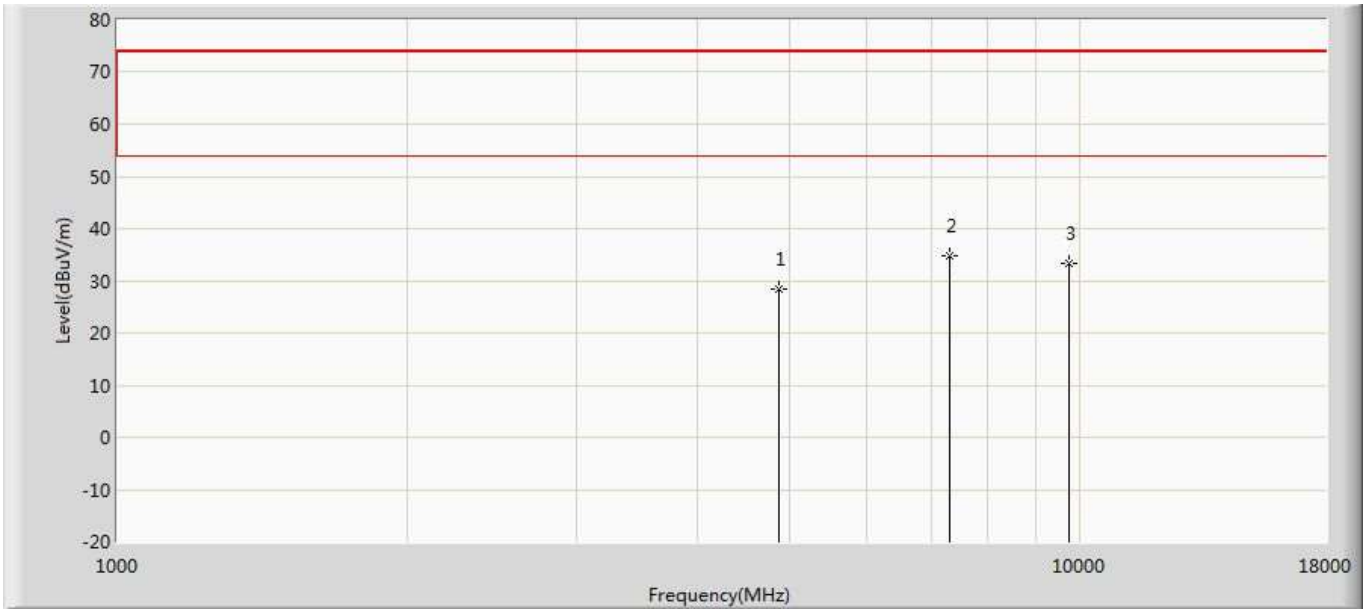
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	27.686	24.057	-46.314	74.000	3.629	PK
2	*	7236.000	33.894	25.617	-40.106	74.000	8.276	PK
3		9648.000	33.353	24.669	-40.647	74.000	8.683	PK

Profile: 2032034R	Page No.: 10
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



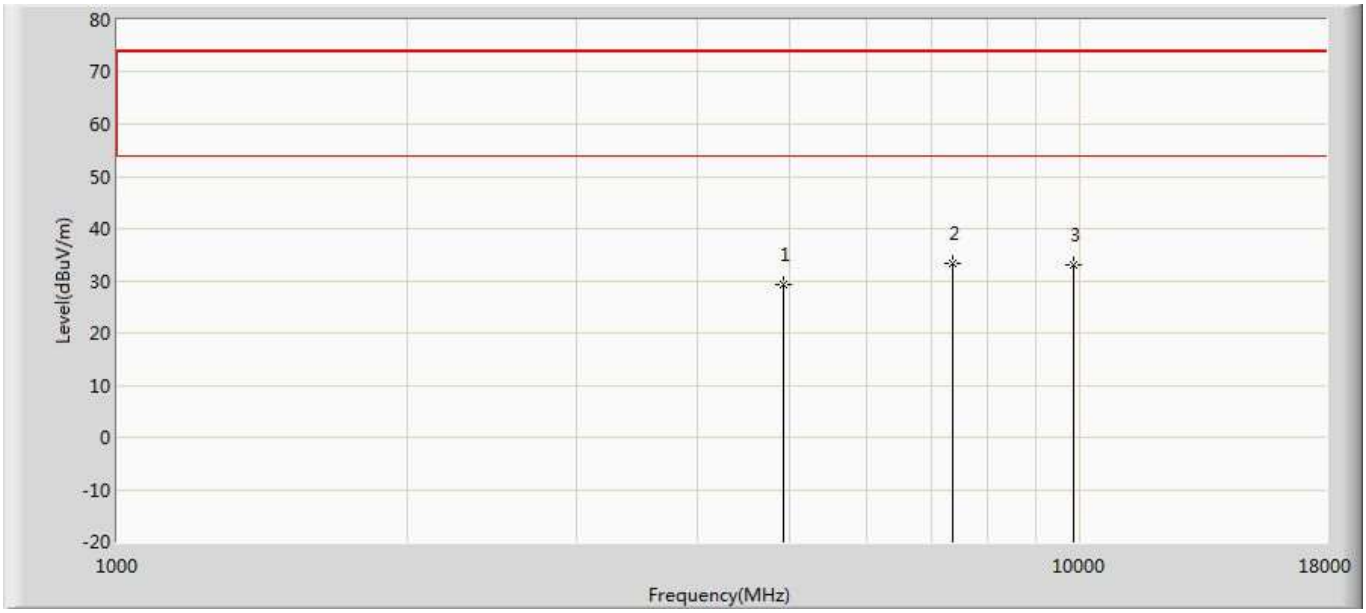
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.338	24.745	-45.662	74.000	3.593	PK
2	*	7311.000	33.738	25.387	-40.262	74.000	8.351	PK
3		9748.000	33.539	24.598	-40.461	74.000	8.941	PK

Profile: 2032034R	Page No.: 11
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2437MHz by 802.11g	



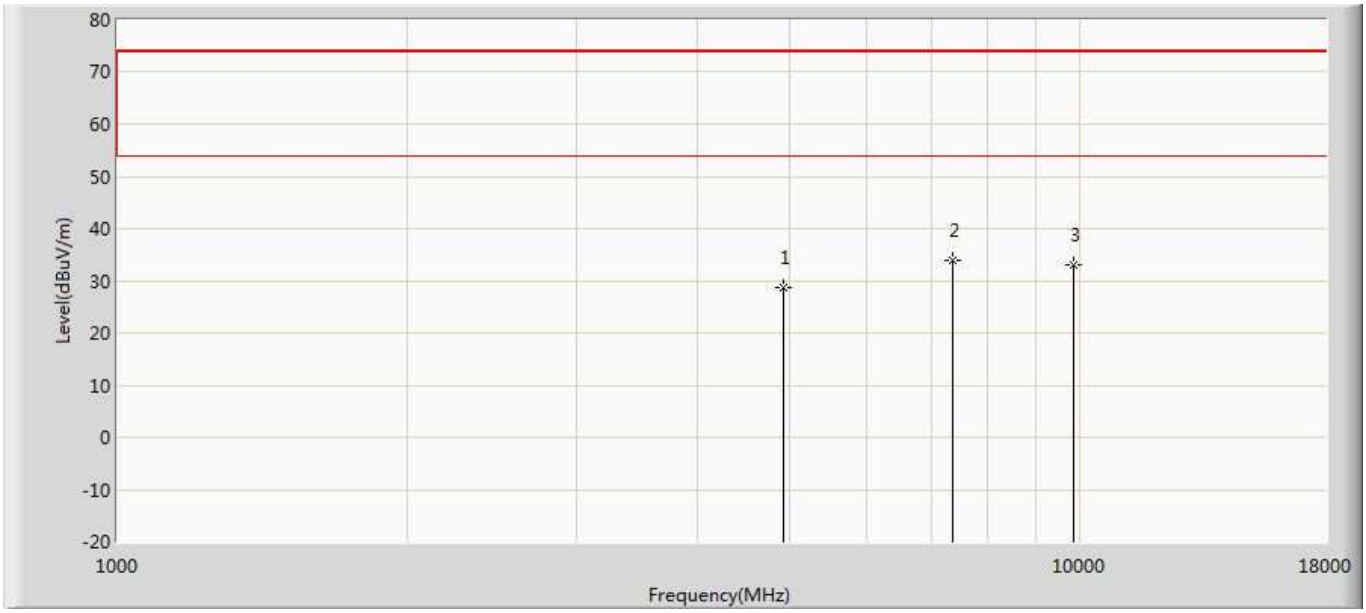
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.458	24.865	-45.542	74.000	3.593	PK
2	*	7311.000	34.709	26.358	-39.291	74.000	8.351	PK
3		9748.000	33.338	24.397	-40.662	74.000	8.941	PK

Profile: 2032034R	Page No.: 12
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



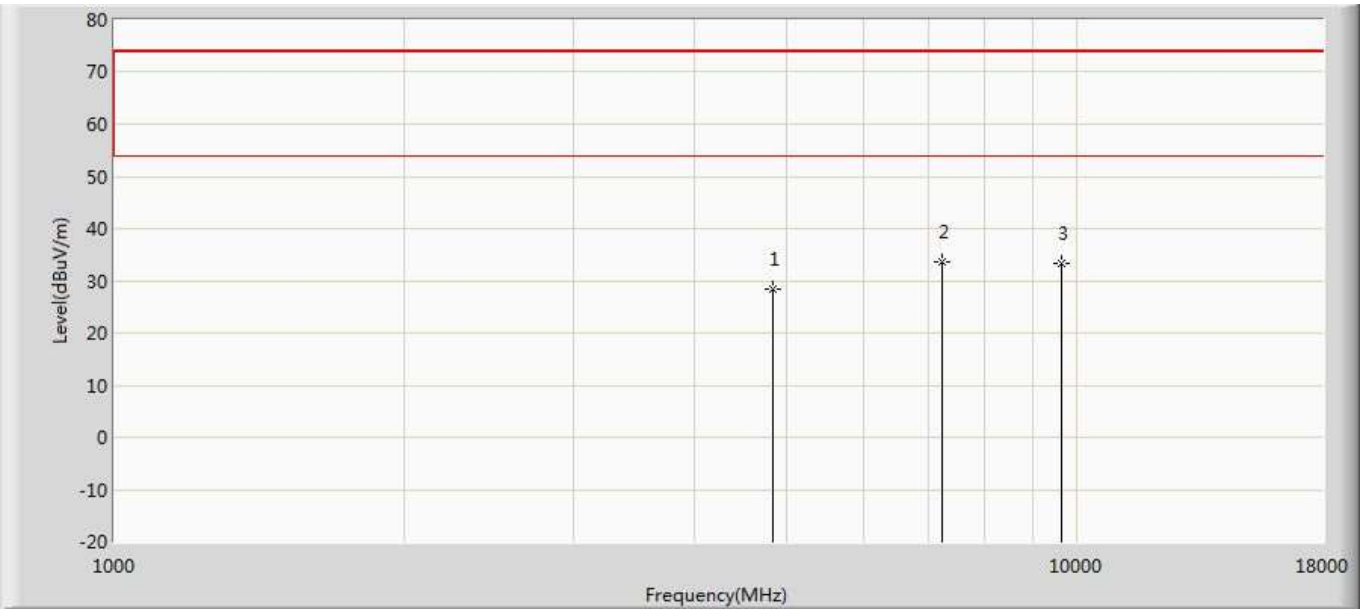
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.238	25.597	-44.762	74.000	3.641	PK
2	*	7386.000	33.388	25.629	-40.612	74.000	7.759	PK
3		9848.000	33.097	23.374	-40.903	74.000	9.723	PK

Profile: 2032034R	Page No.: 13
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 2462MHz by 802.11g	



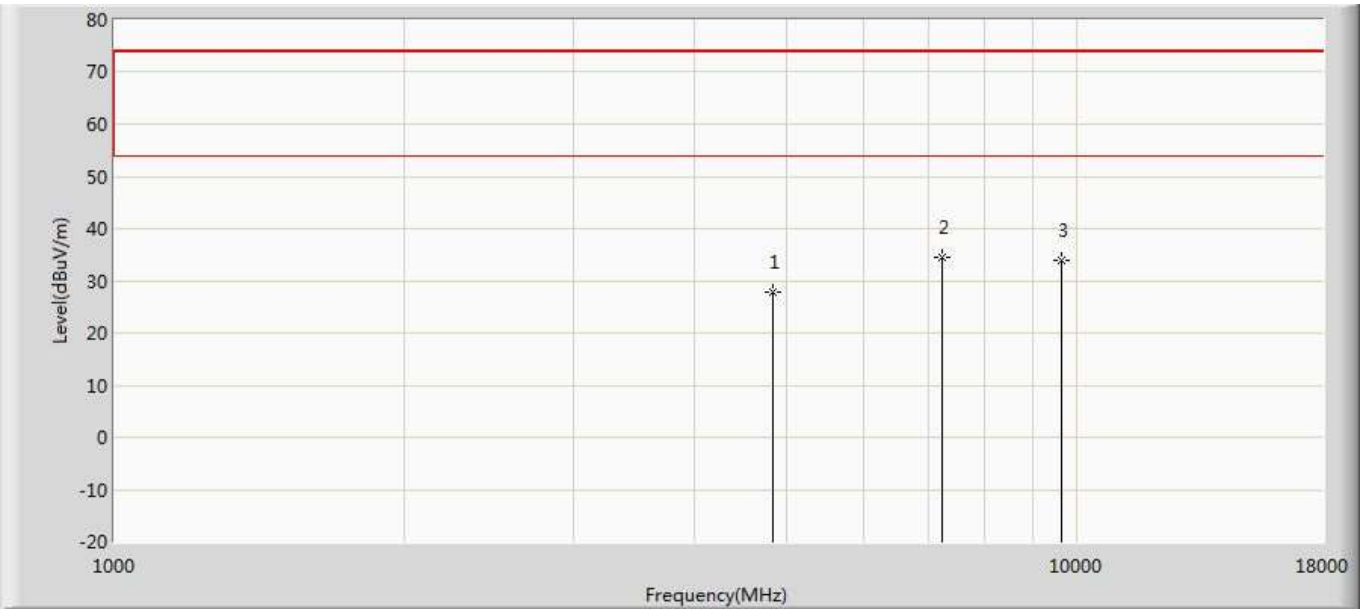
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.735	25.094	-45.265	74.000	3.641	PK
2	*	7386.000	33.984	26.225	-40.016	74.000	7.759	PK
3		9848.000	33.146	23.423	-40.854	74.000	9.723	PK

Profile: 2032034R	Page No.: 14
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



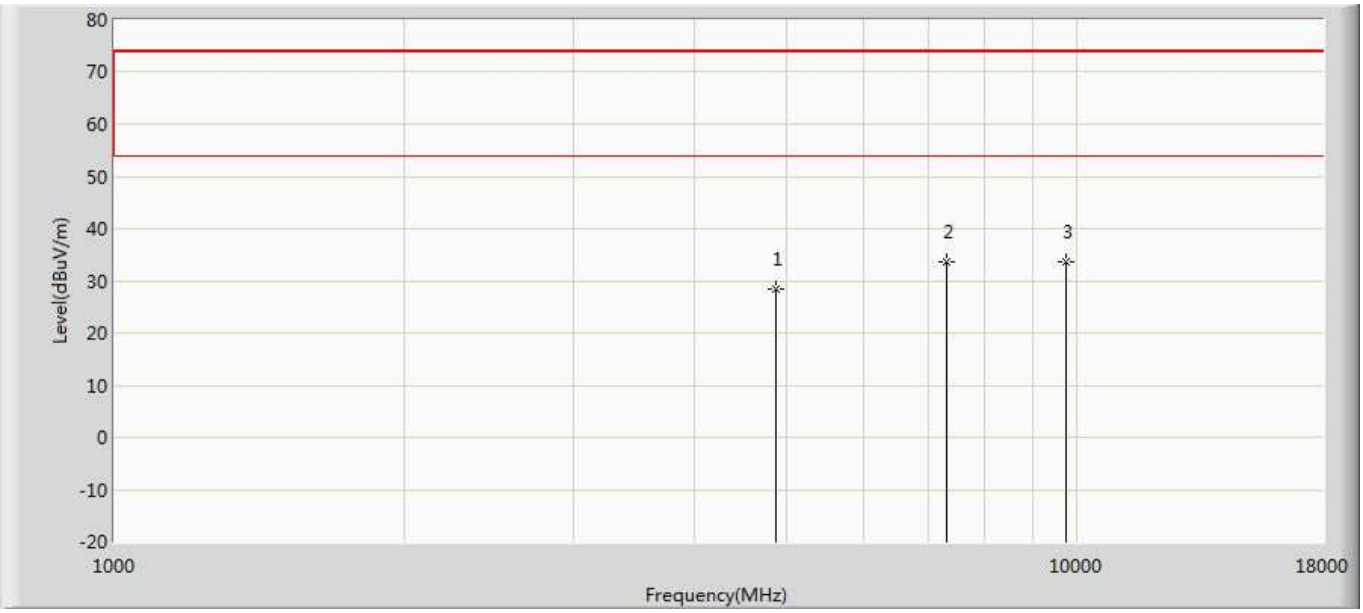
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.344	24.715	-45.656	74.000	3.629	PK
2	*	7236.000	33.754	25.477	-40.246	74.000	8.276	PK
3		9648.000	33.295	24.611	-40.705	74.000	8.683	PK

Profile: 2032034R	Page No.: 15
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



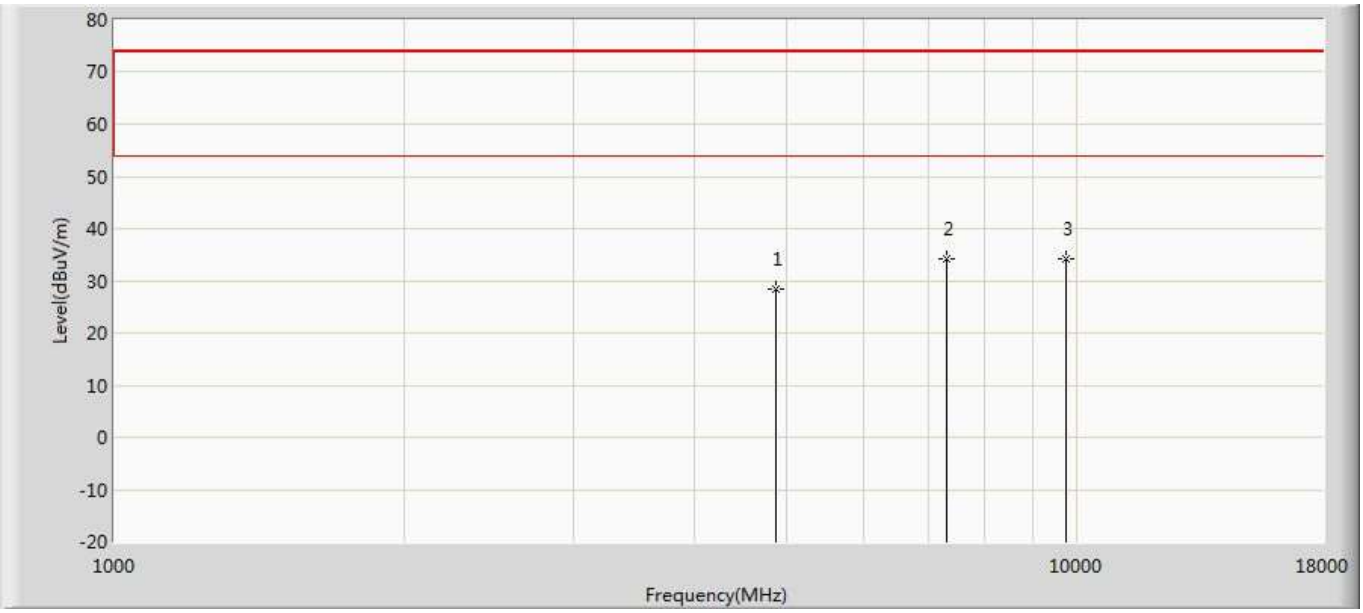
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	27.876	24.247	-46.124	74.000	3.629	PK
2	*	7236.000	34.521	26.244	-39.479	74.000	8.276	PK
3		9648.000	33.902	25.218	-40.098	74.000	8.683	PK

Profile: 2032034R	Page No.: 16
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



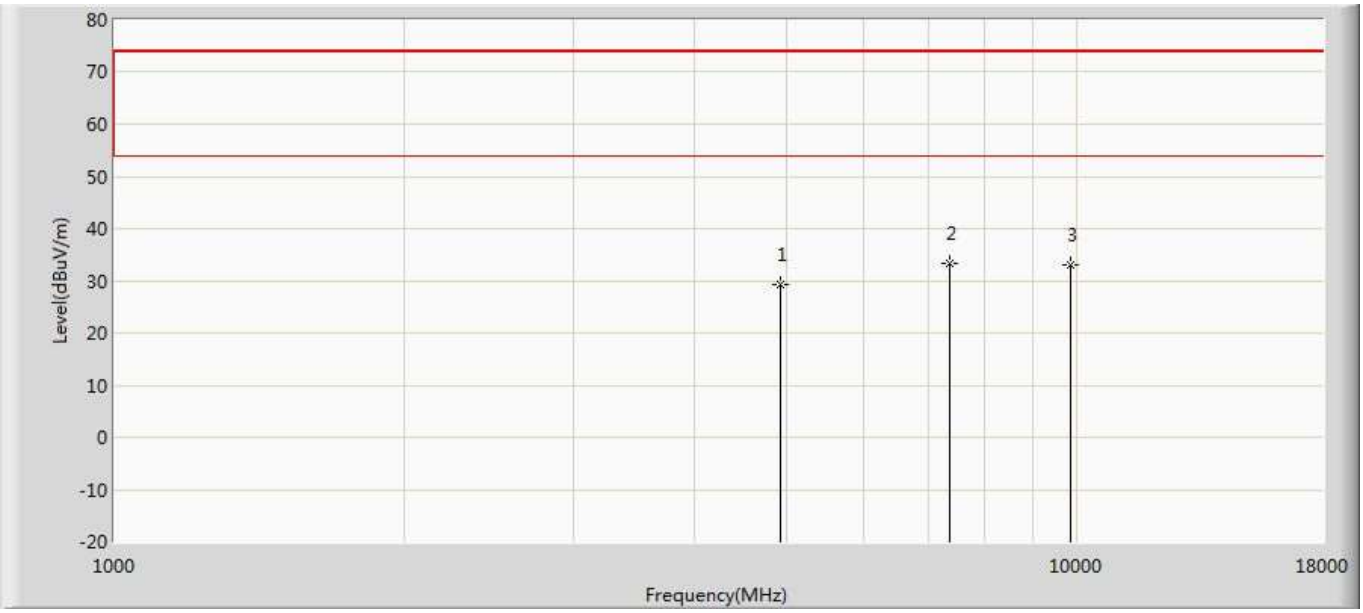
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.338	24.745	-45.662	74.000	3.593	PK
2	*	7311.000	33.738	25.387	-40.262	74.000	8.351	PK
3		9748.000	33.539	24.598	-40.461	74.000	8.941	PK

Profile: 2032034R	Page No.: 17
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



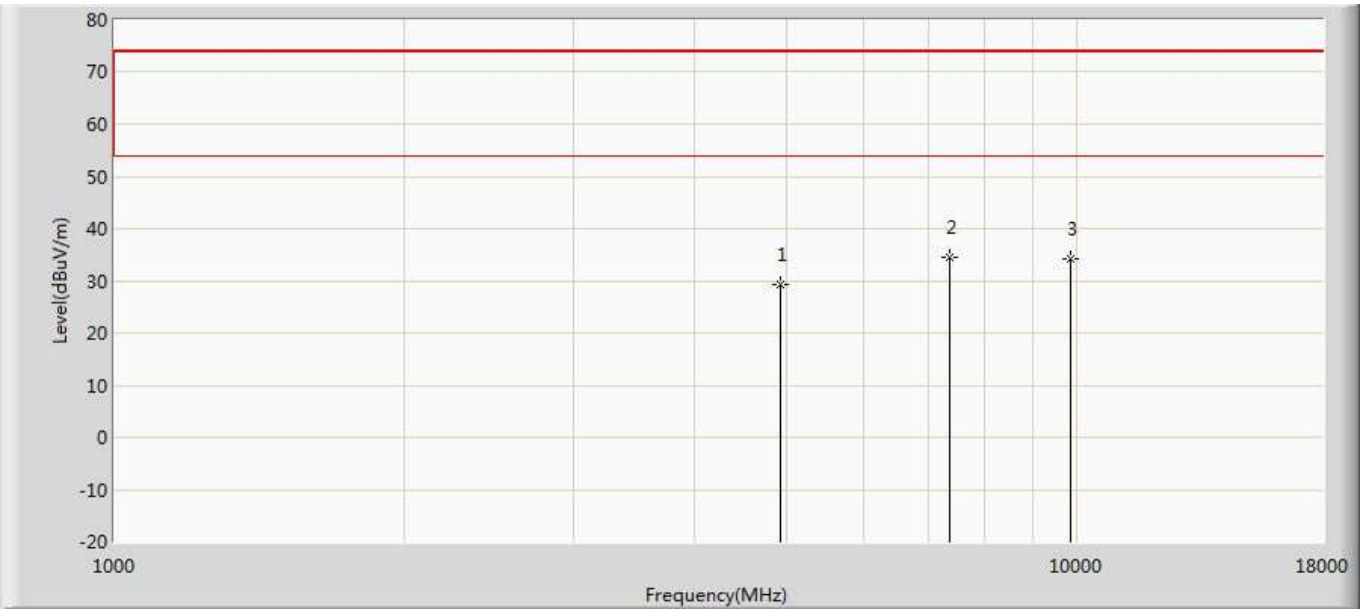
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.519	24.926	-45.481	74.000	3.593	PK
2		7311.000	34.093	25.742	-39.907	74.000	8.351	PK
3	*	9748.000	34.240	25.299	-39.760	74.000	8.941	PK

Profile: 2032034R	Page No.: 18
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



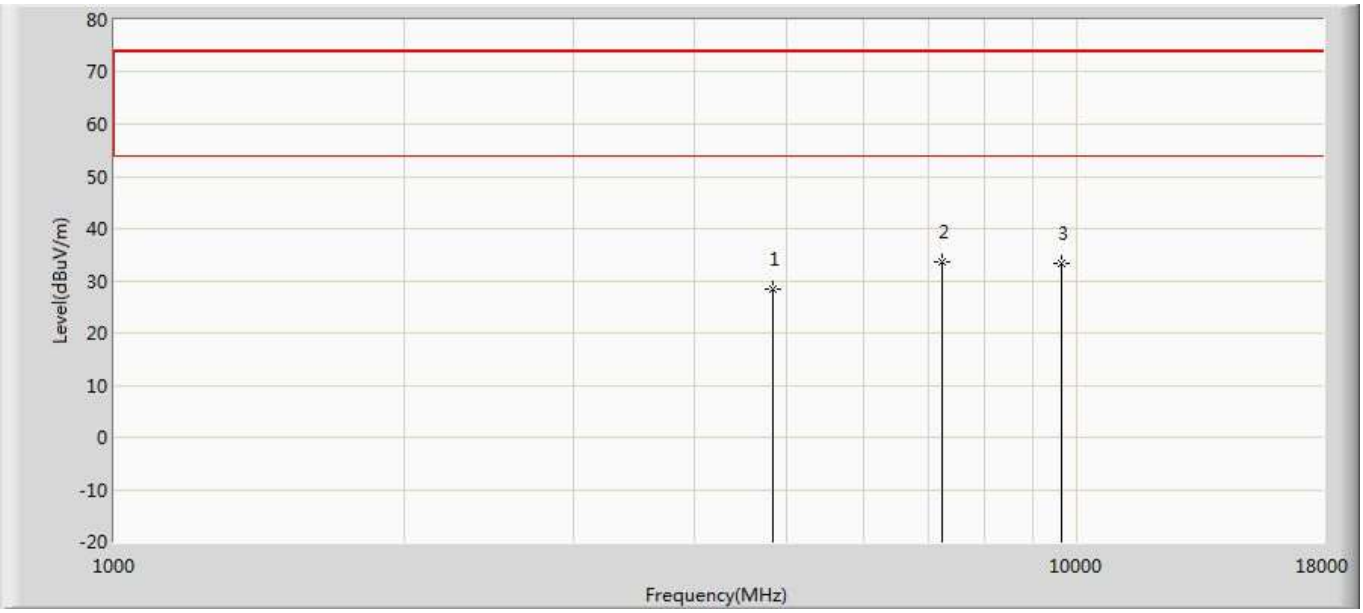
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.238	25.597	-44.762	74.000	3.641	PK
2	*	7386.000	33.388	25.629	-40.612	74.000	7.759	PK
3		9848.000	33.097	23.374	-40.903	74.000	9.723	PK

Profile: 2032034R	Page No.: 19
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



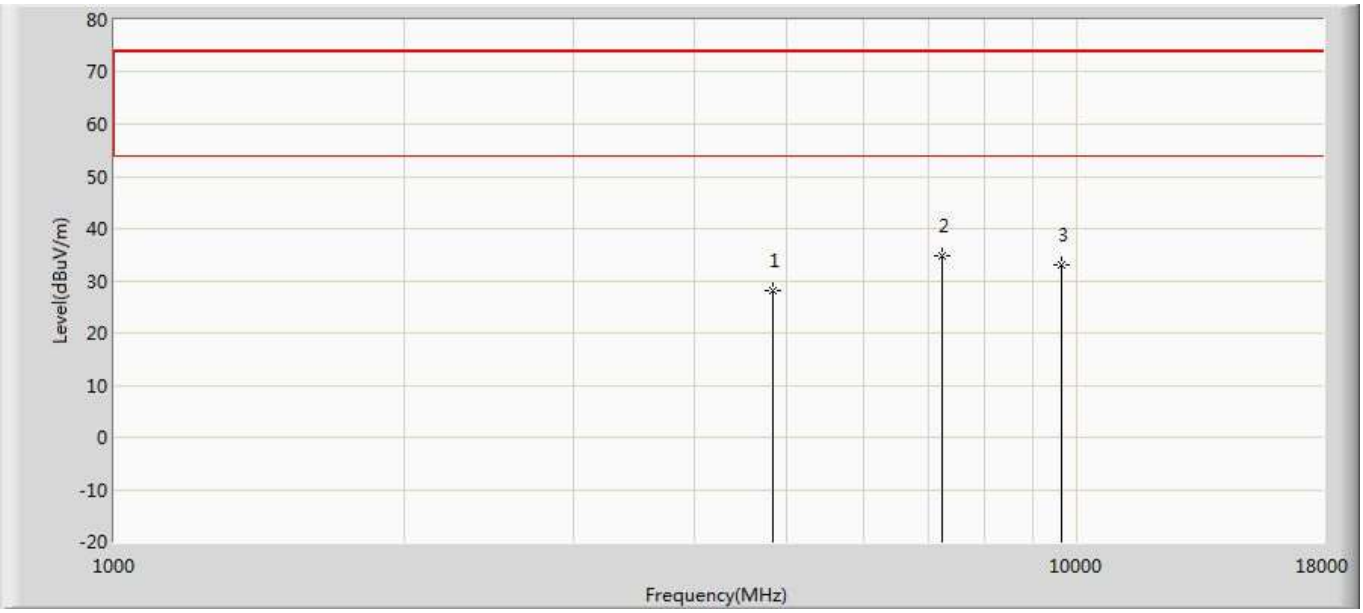
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.190	25.549	-44.810	74.000	3.641	PK
2	*	7386.000	34.488	26.729	-39.512	74.000	7.759	PK
3		9848.000	34.071	24.348	-39.929	74.000	9.723	PK

Profile: 2032034R	Page No.: 20
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



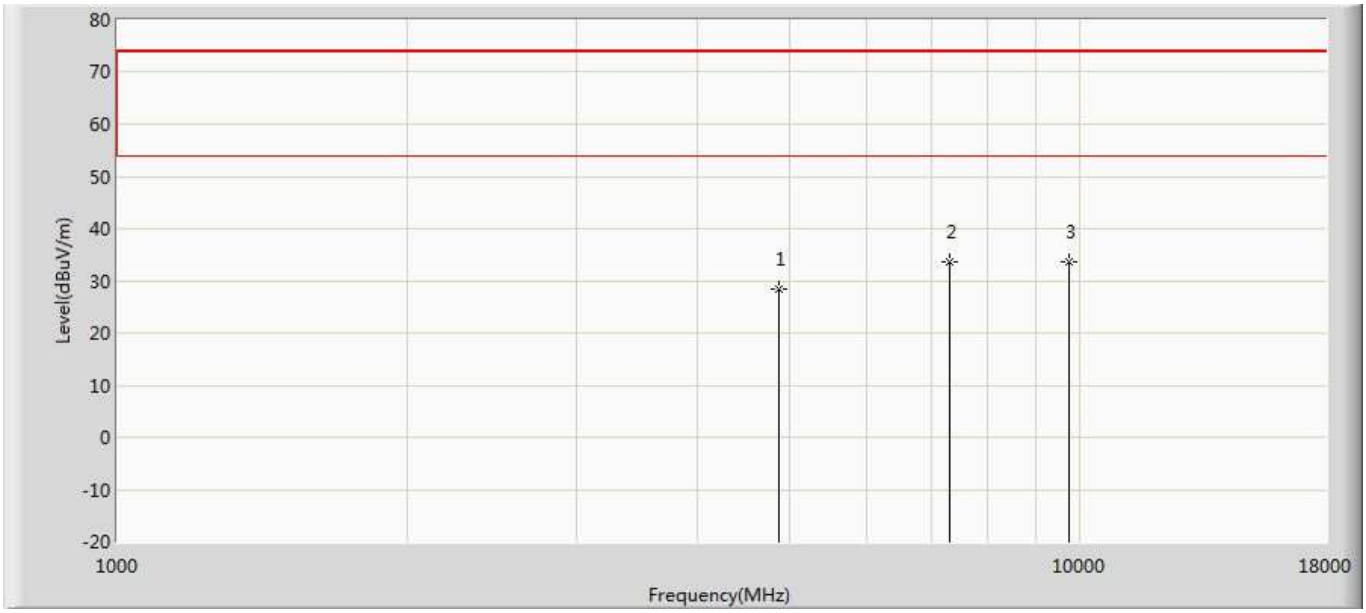
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.344	24.715	-45.656	74.000	3.629	PK
2	*	7236.000	33.754	25.477	-40.246	74.000	8.276	PK
3		9648.000	33.295	24.611	-40.705	74.000	8.683	PK

Profile: 2032034R	Page No.: 21
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



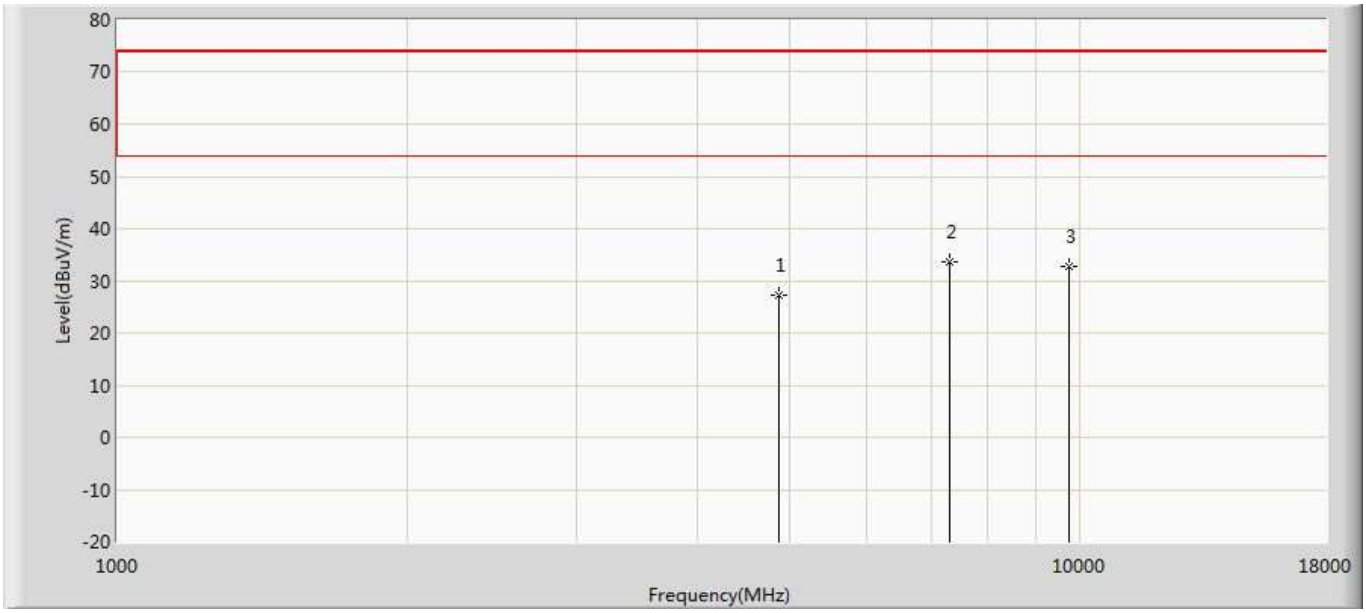
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.129	24.500	-45.871	74.000	3.629	PK
2	*	7236.000	34.713	26.436	-39.287	74.000	8.276	PK
3		9648.000	32.920	24.236	-41.080	74.000	8.683	PK

Profile: 2032034R	Page No.: 22
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



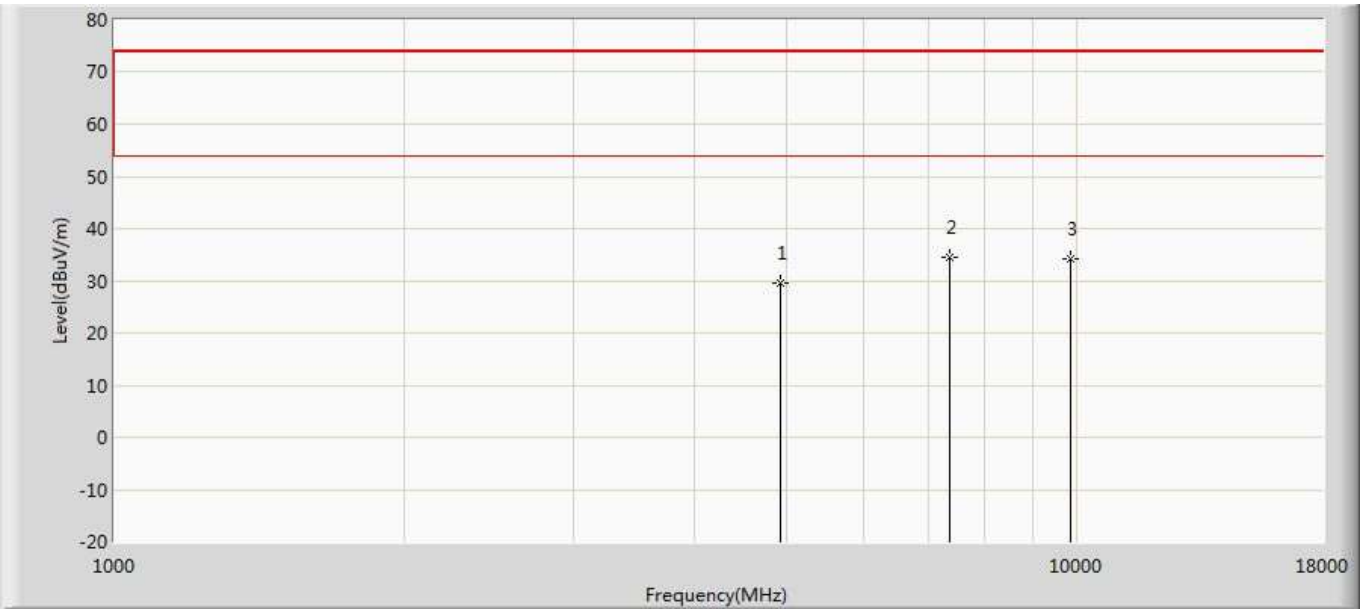
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.338	24.745	-45.662	74.000	3.593	PK
2	*	7311.000	33.738	25.387	-40.262	74.000	8.351	PK
3		9748.000	33.539	24.598	-40.461	74.000	8.941	PK

Profile: 2032034R	Page No.: 23
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



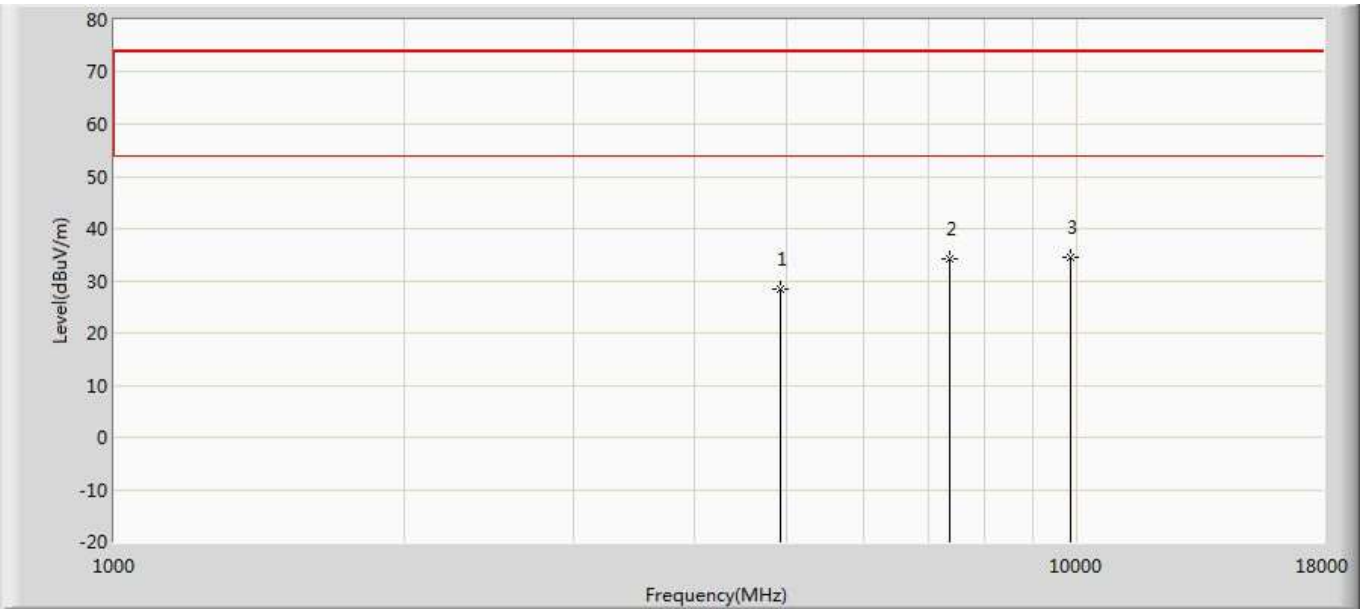
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	27.208	23.615	-46.792	74.000	3.593	PK
2	*	7311.000	33.708	25.357	-40.292	74.000	8.351	PK
3		9748.000	32.775	23.834	-41.225	74.000	8.941	PK

Profile: 2032034R	Page No.: 24
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.582	25.941	-44.418	74.000	3.641	PK
2	*	7386.000	34.361	26.602	-39.639	74.000	7.759	PK
3		9848.000	34.328	24.605	-39.672	74.000	9.723	PK

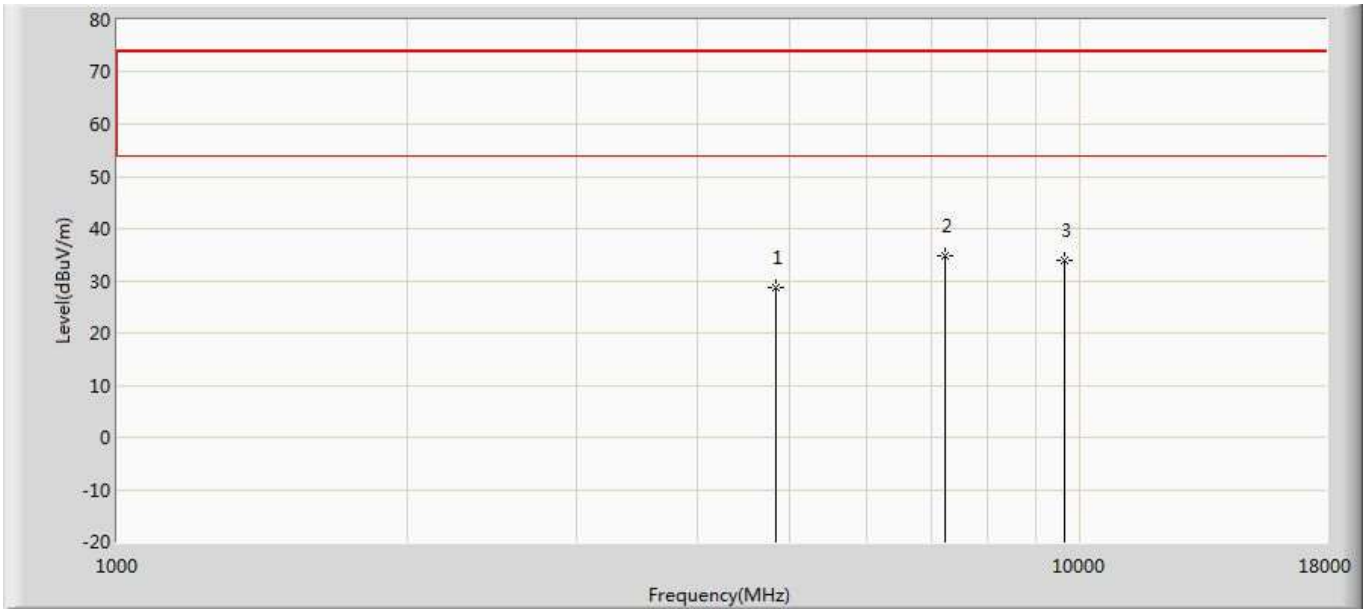
Profile: 2032034R	Page No.: 25
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.543	24.902	-45.457	74.000	3.641	PK
2		7386.000	34.100	26.341	-39.900	74.000	7.759	PK
3	*	9848.000	34.354	24.631	-39.646	74.000	9.723	PK

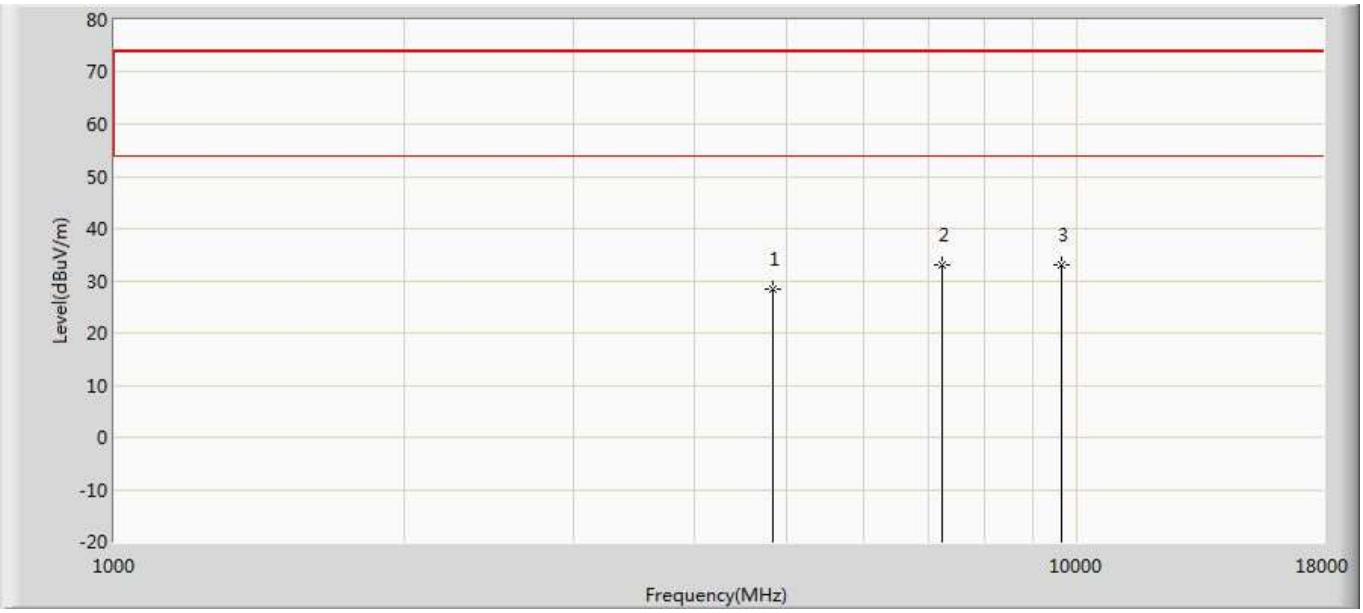
Radio 2 CDD:

Profile: 2032034R	Page No.: 26
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



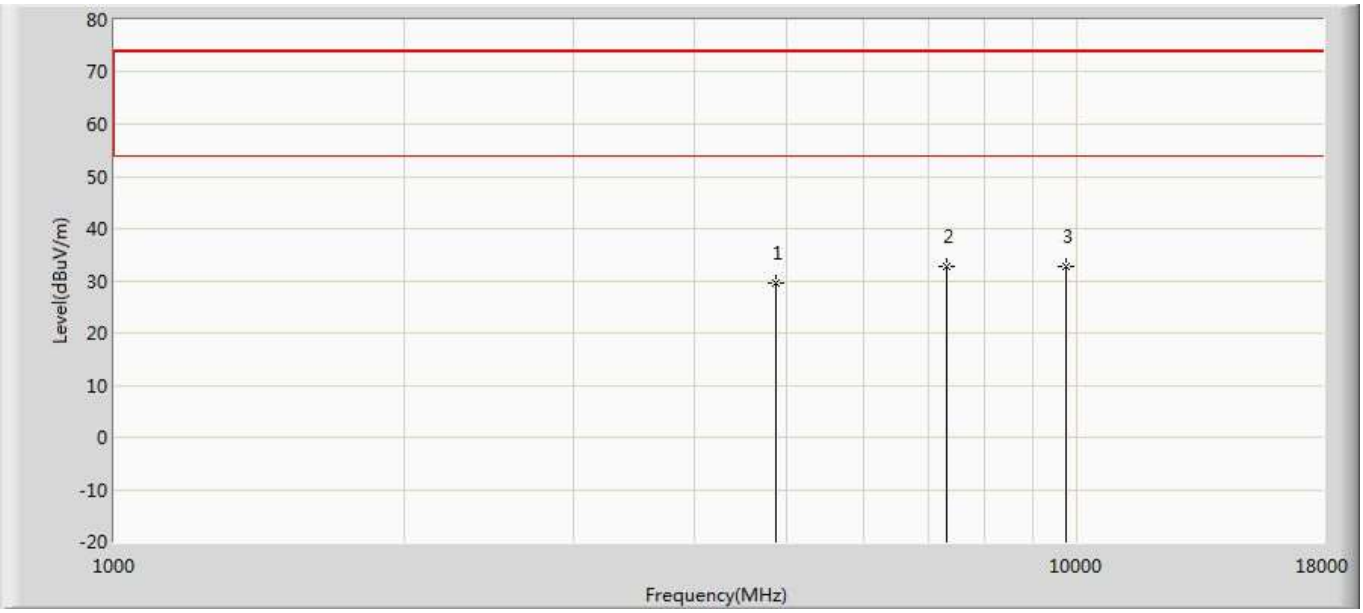
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.626	24.997	-45.374	74.000	3.629	PK
2	*	7236.000	34.822	26.545	-39.178	74.000	8.276	PK
3		9648.000	33.986	25.302	-40.014	74.000	8.683	PK

Profile: 2032034R	Page No.: 27
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2412MHz by 802.11n(20MHz)	



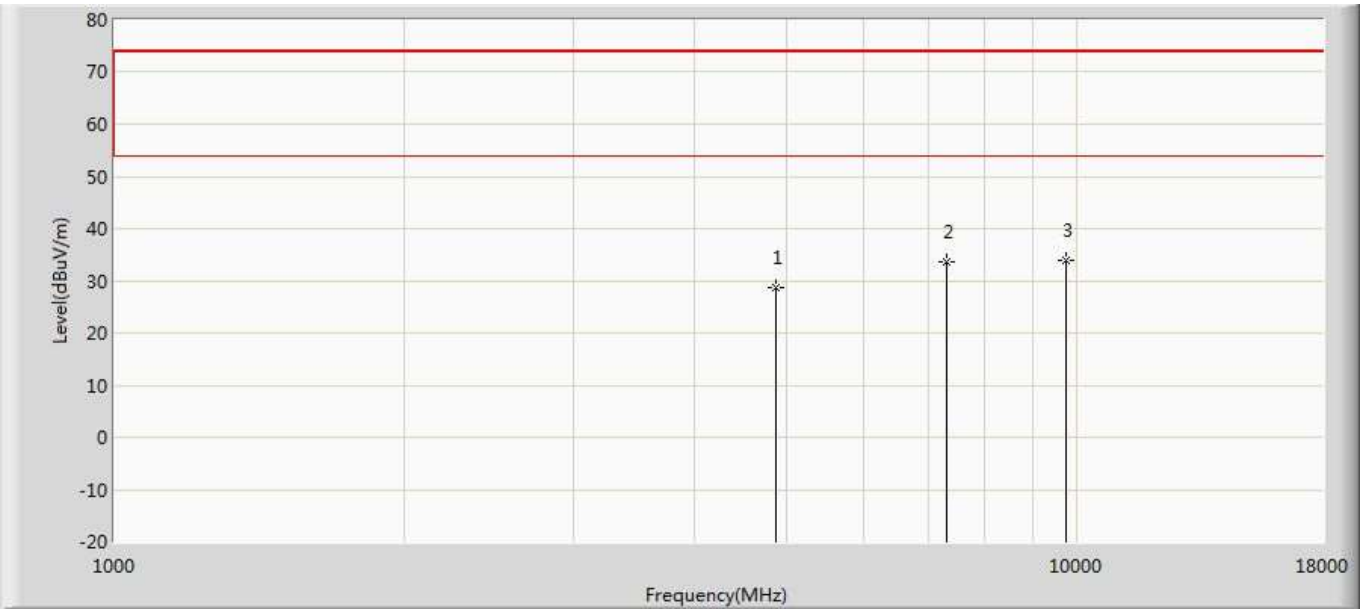
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.373	24.744	-45.627	74.000	3.629	PK
2	*	7236.000	33.182	24.905	-40.818	74.000	8.276	PK
3		9648.000	32.960	24.276	-41.040	74.000	8.683	PK

Profile: 2032034R	Page No.: 28
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



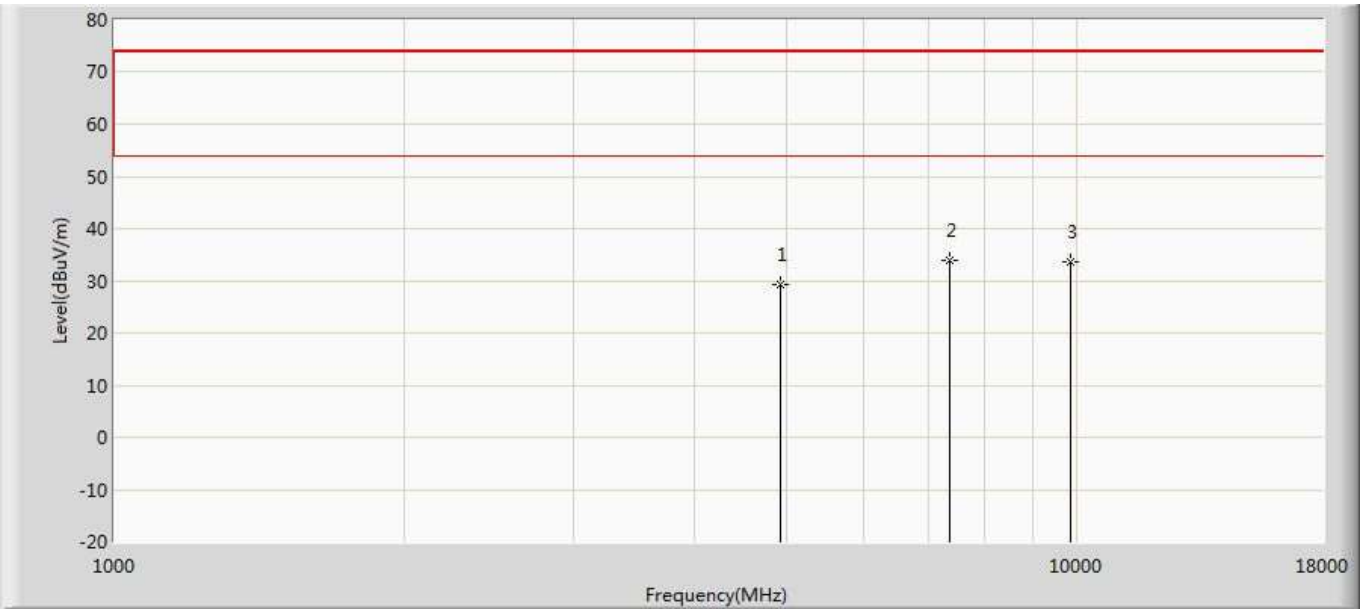
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	29.470	25.877	-44.530	74.000	3.593	PK
2	*	7311.000	32.790	24.439	-41.210	74.000	8.351	PK
3		9748.000	32.609	23.668	-41.391	74.000	8.941	PK

Profile: 2032034R	Page No.: 29
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2437MHz by 802.11n(20MHz)	



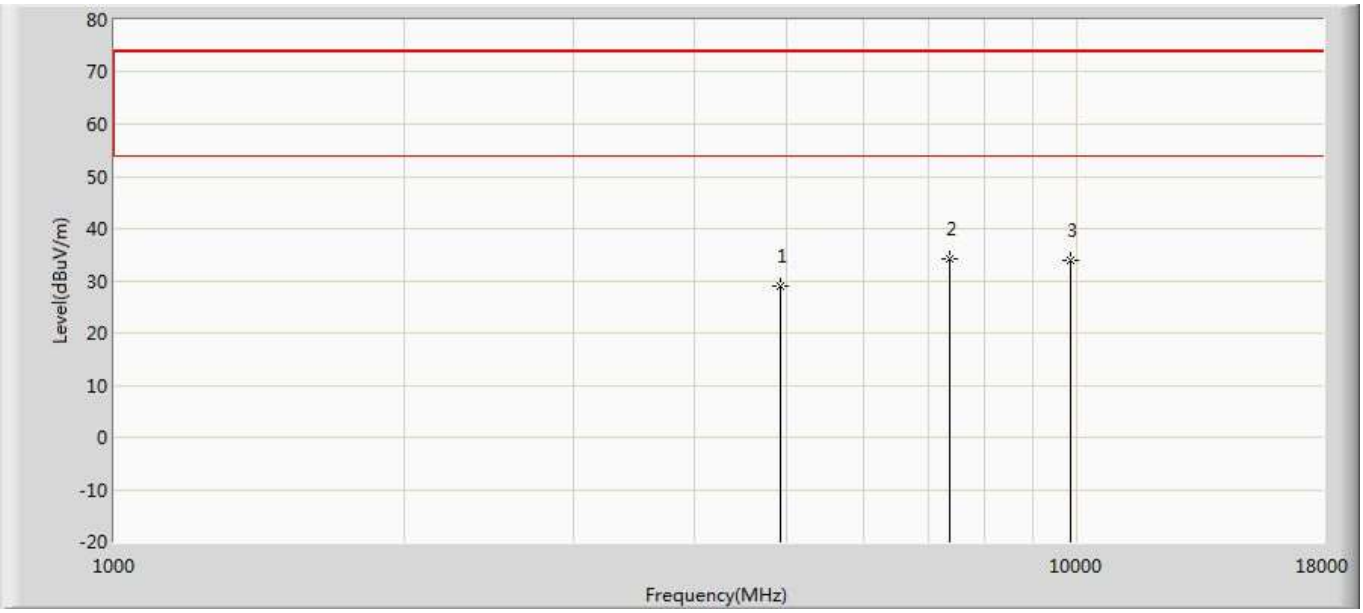
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.675	25.082	-45.325	74.000	3.593	PK
2		7311.000	33.572	25.221	-40.428	74.000	8.351	PK
3	*	9748.000	33.907	24.966	-40.093	74.000	8.941	PK

Profile: 2032034R	Page No.: 30
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



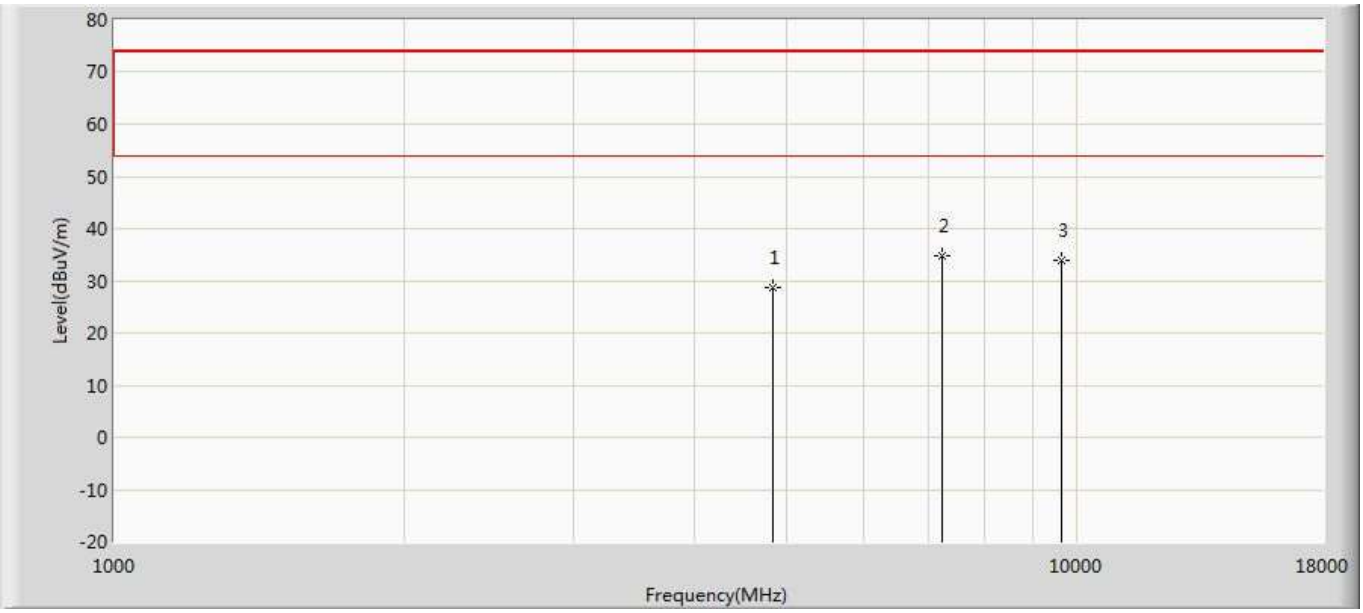
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.256	25.615	-44.744	74.000	3.641	PK
2	*	7386.000	34.004	26.245	-39.996	74.000	7.759	PK
3		9848.000	33.492	23.769	-40.508	74.000	9.723	PK

Profile: 2032034R	Page No.: 31
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 2462MHz by 802.11n(20MHz)	



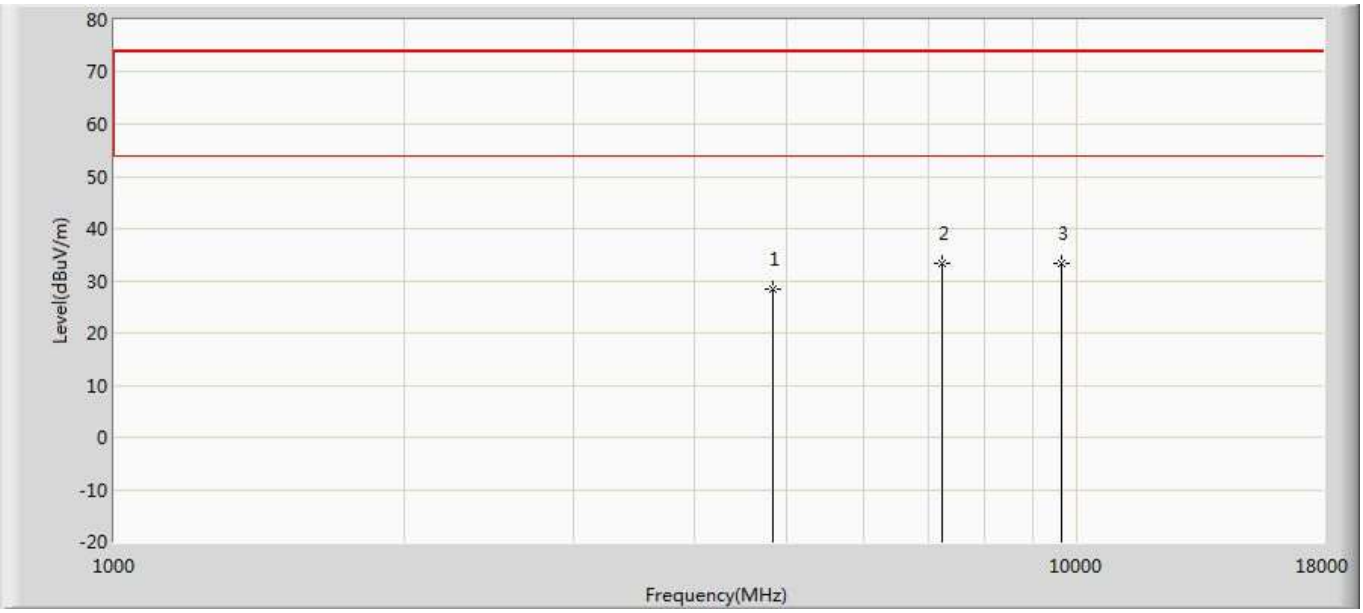
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.977	25.336	-45.023	74.000	3.641	PK
2	*	7386.000	34.280	26.521	-39.720	74.000	7.759	PK
3		9848.000	34.051	24.328	-39.949	74.000	9.723	PK

Profile: 2032034R	Page No.: 32
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



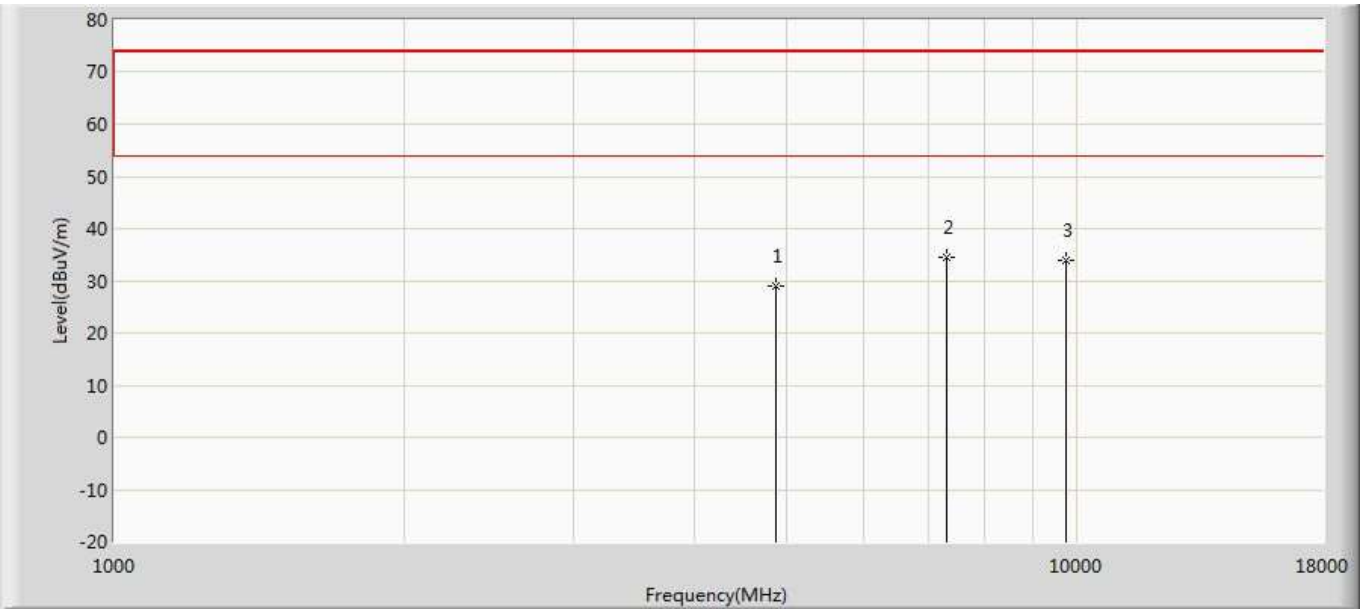
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.626	24.997	-45.374	74.000	3.629	PK
2	*	7236.000	34.822	26.545	-39.178	74.000	8.276	PK
3		9648.000	33.986	25.302	-40.014	74.000	8.683	PK

Profile: 2032034R	Page No.: 33
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2412MHz by 802.11ax(20MHz)	



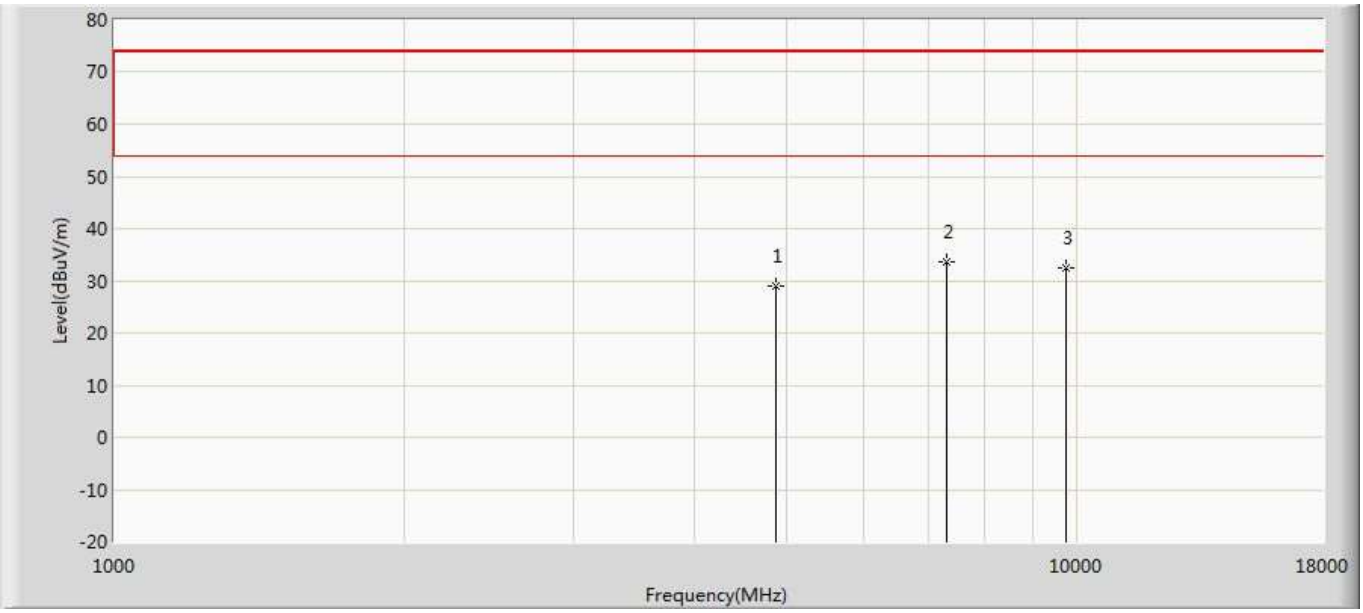
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4824.000	28.380	24.751	-45.620	74.000	3.629	PK
2		7236.000	33.249	24.972	-40.751	74.000	8.276	PK
3	*	9648.000	33.252	24.568	-40.748	74.000	8.683	PK

Profile: 2032034R	Page No.: 34
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



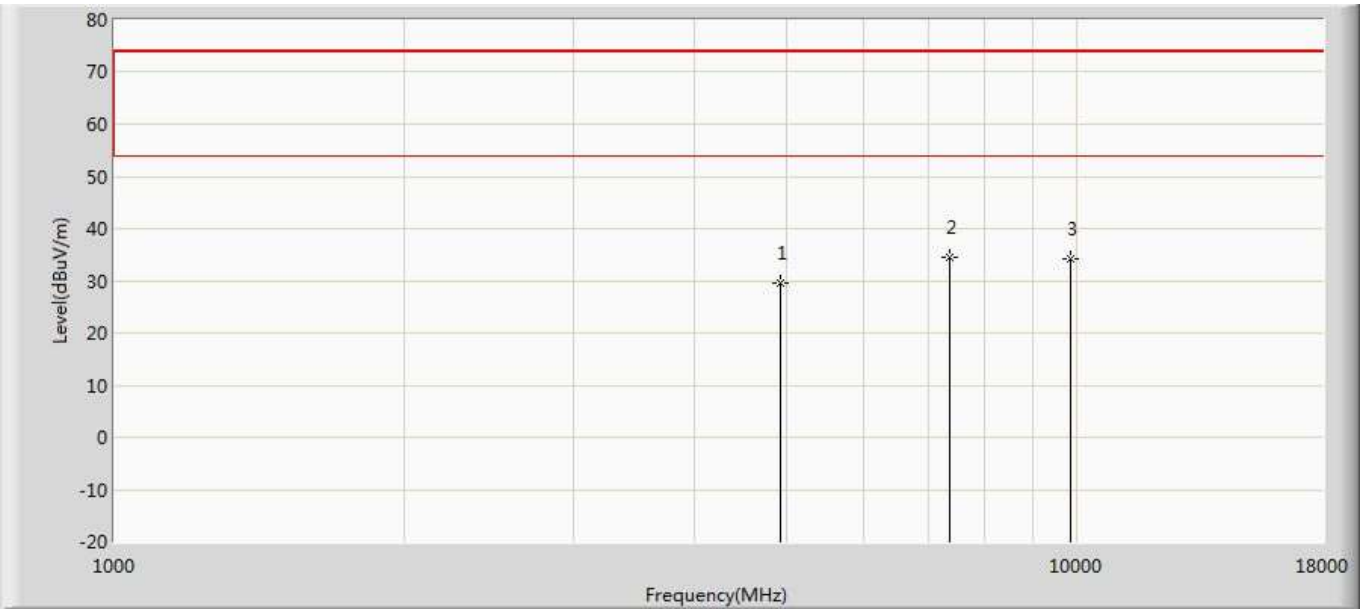
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	29.062	25.469	-44.938	74.000	3.593	PK
2	*	7311.000	34.612	26.261	-39.388	74.000	8.351	PK
3		9748.000	34.001	25.060	-39.999	74.000	8.941	PK

Profile: 2032034R	Page No.: 35
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2437MHz by 802.11ax(20MHz)	



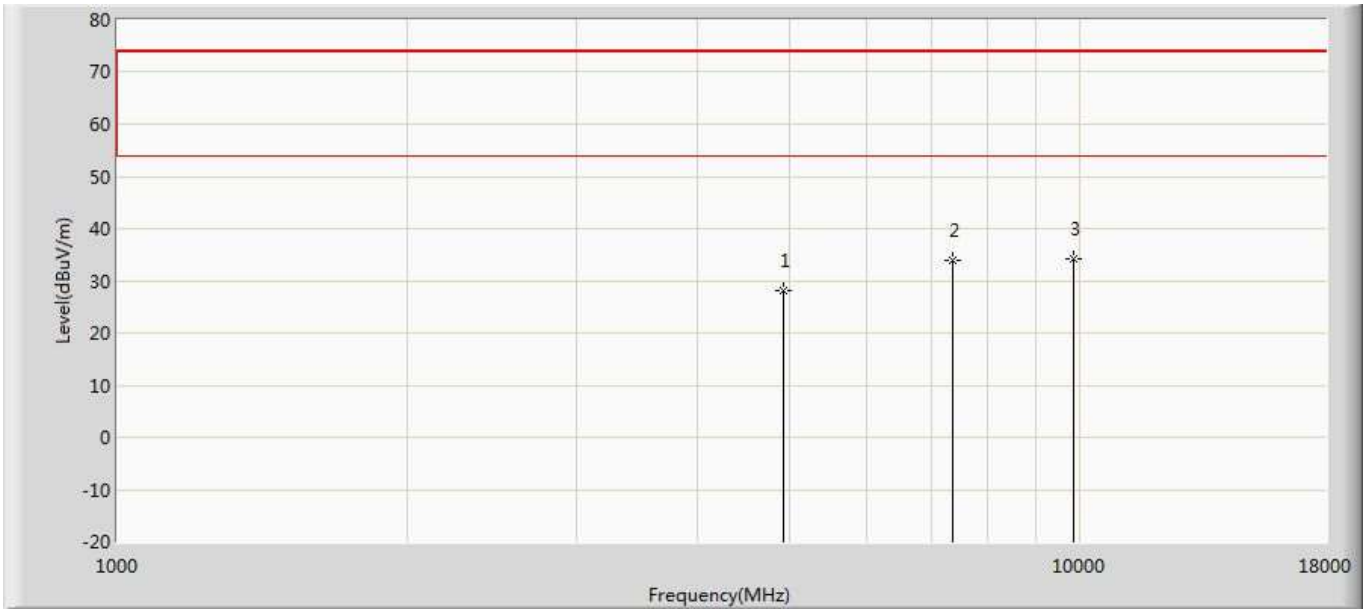
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	28.947	25.354	-45.053	74.000	3.593	PK
2	*	7311.000	33.518	25.167	-40.482	74.000	8.351	PK
3		9748.000	32.586	23.645	-41.414	74.000	8.941	PK

Profile: 2032034R	Page No.: 36
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	29.582	25.941	-44.418	74.000	3.641	PK
2	*	7386.000	34.361	26.602	-39.639	74.000	7.759	PK
3		9848.000	34.328	24.605	-39.672	74.000	9.723	PK

Profile: 2032034R	Page No.: 37
Engineer: Neil	
Site: AC5	Time: 2020/06/18 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 2462MHz by 802.11ax(20MHz)	



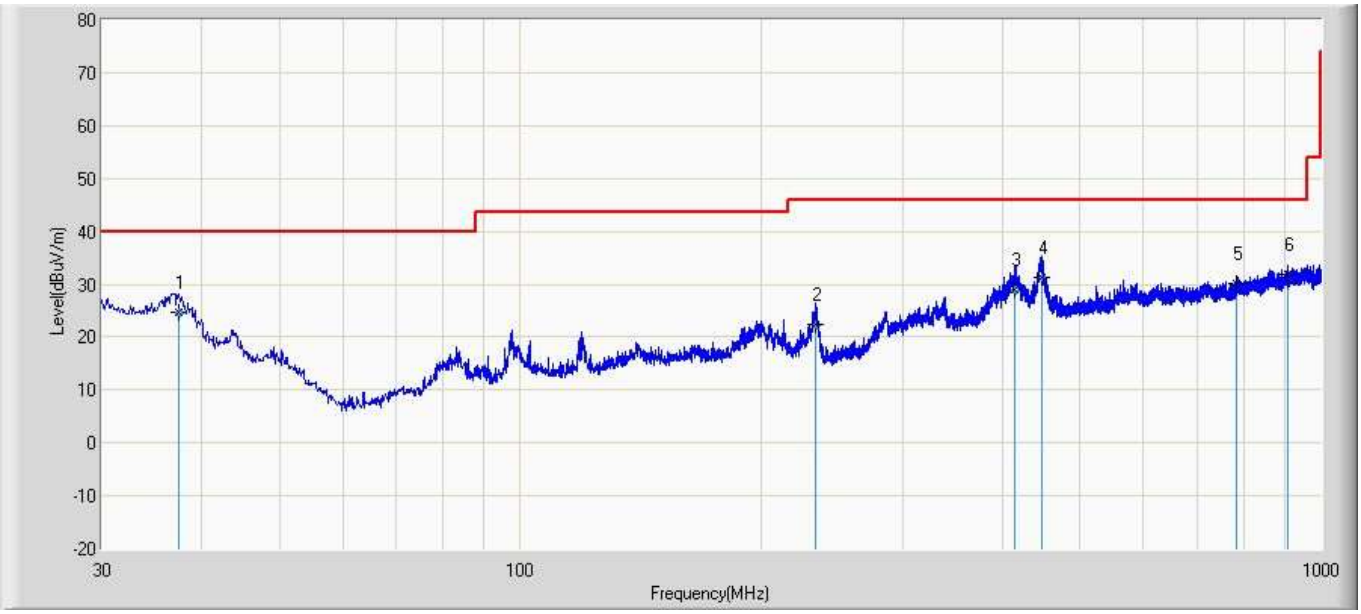
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4924.000	28.111	24.470	-45.889	74.000	3.641	PK
2		7386.000	33.775	26.016	-40.225	74.000	7.759	PK
3	*	9848.000	34.232	24.509	-39.768	74.000	9.723	PK

Note:

1. We have evaluated both CDD and Beamforming mode, shown in the report is the worst data.
2. Measure Level = Reading Level + Factor.
3. The test frequency range, 9kHz~30MHz, 18GHz~25GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
4. 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.
5. As the radiated emission was performed, so conducted emission was not tested.

The worst case of Radiated Emission below 1GHz:

Engineer: Beck	
Site: AC3	Time: 2020/06/05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	

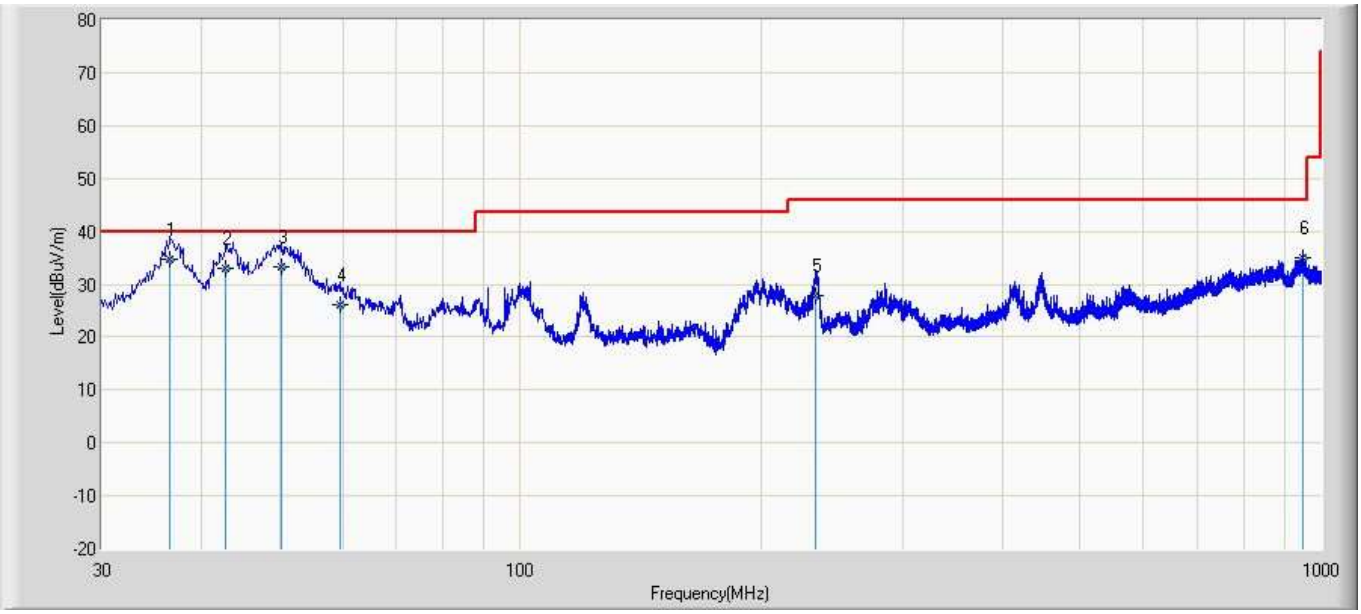


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		37.396	24.621	0.200	-15.379	40.000	17.913	6.508	0.000	100	30	QP
2		233.820	22.270	4.000	-23.730	46.000	10.869	7.401	0.000	100	61	QP
3		414.605	28.887	2.400	-17.113	46.000	18.543	7.944	0.000	100	140	QP
4		447.100	31.381	4.600	-14.619	46.000	18.753	8.028	0.000	100	75	QP
5		784.539	30.075	0.100	-15.925	46.000	21.126	8.849	0.000	100	50	QP
6	*	909.426	31.995	0.100	-14.005	46.000	22.777	9.119	0.000	100	273	QP

Note:

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

Engineer: Beck	
Site: AC3	Time: 2020/06/05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	



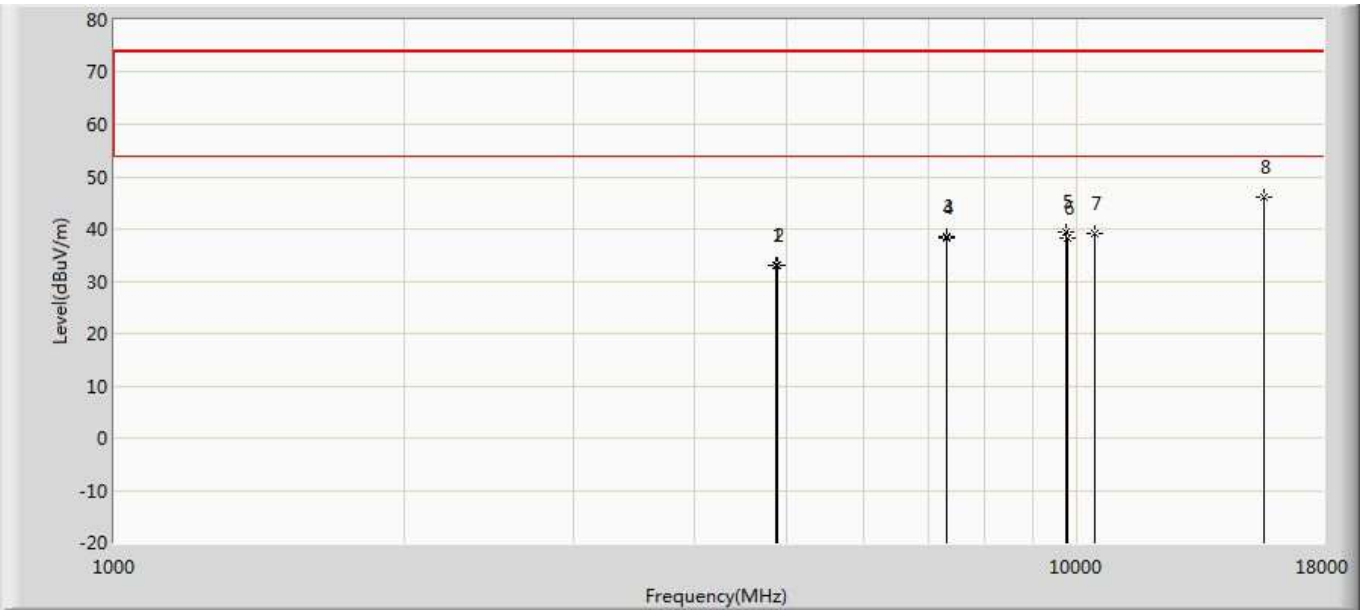
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1	*	36.548	34.735	13.000	-5.265	40.000	15.232	6.503	0.000	100	110	QP
2		42.850	32.953	15.200	-7.047	40.000	11.209	6.544	0.000	100	170	QP
3		50.370	33.355	15.200	-6.645	40.000	11.565	6.590	0.000	100	330	QP
4		59.464	26.174	10.000	-13.826	40.000	9.526	6.648	0.000	100	99	QP
5		233.579	27.907	5.300	-18.093	46.000	15.206	7.401	0.000	100	271	QP
6		947.256	34.913	0.100	-11.087	46.000	25.616	9.197	0.000	100	60	QP

Note:

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

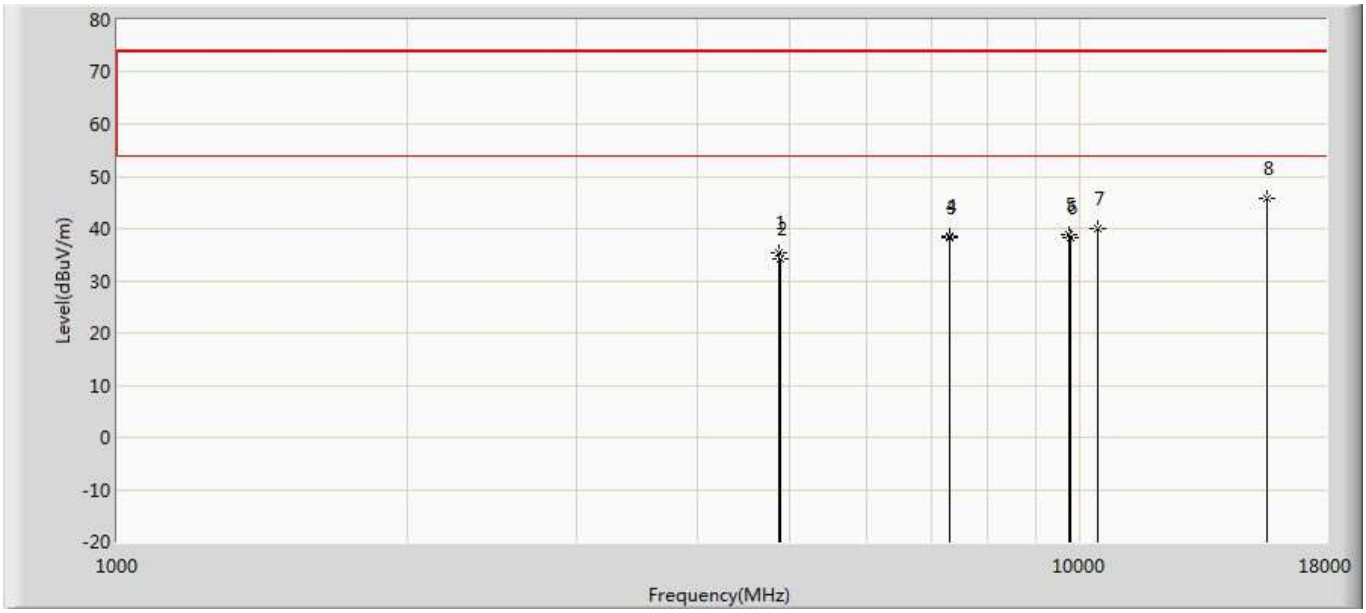
The worst case of Simultaneous Radiated Emission:

Profile: 2032034R	Page No.: 29
Engineer: Neil	
Site: AC5	Time: 2020/07/22 - 23:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	33.028	29.435	-40.972	74.000	3.593	PK
2		4880.000	33.067	29.477	-40.933	74.000	3.590	PK
3		7311.000	38.654	30.303	-35.346	74.000	8.351	PK
4		7320.000	38.405	29.997	-35.595	74.000	8.408	PK
5		9748.000	39.280	30.339	-34.720	74.000	8.941	PK
6		9760.000	38.168	29.228	-35.832	74.000	8.941	PK
7		10440.000	39.163	28.049	-34.837	74.000	11.114	PK
8	*	15660.000	46.167	29.034	-27.833	74.000	17.133	PK

Profile: 2032034R	Page No.: 30
Engineer: Neil	
Site: AC5	Time: 2020/07/22 - 23:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Note: Simultaneous transmission with 2.4G WIFI + 5G WIFI + BLE	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4874.000	35.365	31.772	-38.635	74.000	3.593	PK
2		4880.000	34.272	30.682	-39.728	74.000	3.590	PK
3		7311.000	38.392	30.041	-35.608	74.000	8.351	PK
4		7320.000	38.540	30.132	-35.460	74.000	8.408	PK
5		9748.000	38.800	29.859	-35.200	74.000	8.941	PK
6		9760.000	38.262	29.322	-35.738	74.000	8.941	PK
7		10440.000	39.856	28.742	-34.144	74.000	11.114	PK
8	*	15660.000	45.662	28.529	-28.338	74.000	17.133	PK

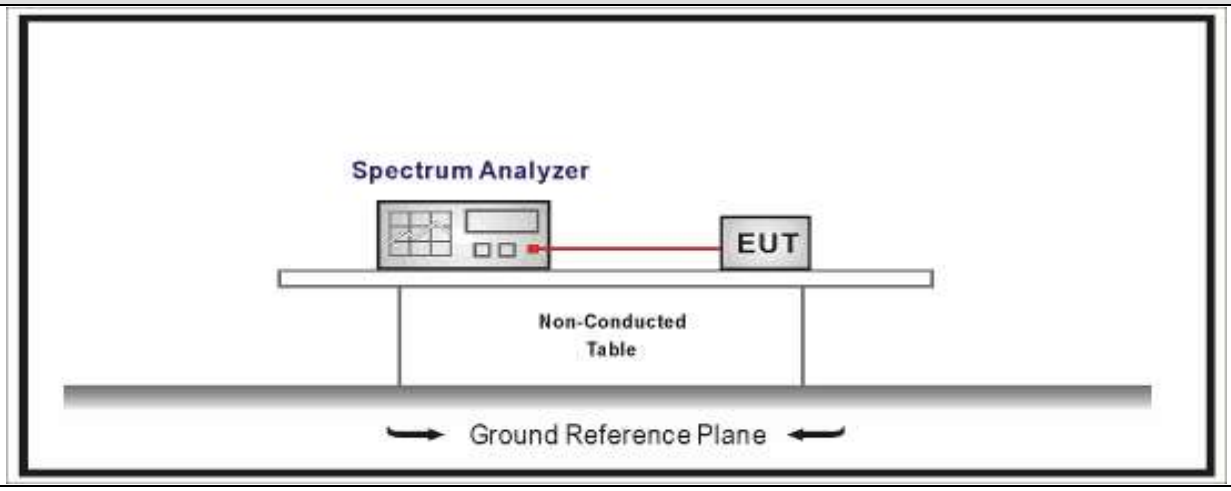
5. Emissions in non-restricted frequency bands

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	2019.09.28	2020.09.27
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2020.04.17	2021.04.16
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2019.08.30	2020.08.29
Temperature/Humidity Meter	Zhichen	ZC1-2	TR8-TH	2019.09.02	2020.09.01
Note: All equipment is 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)

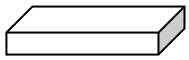
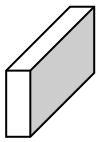
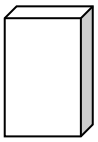
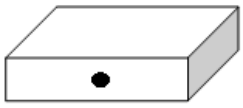
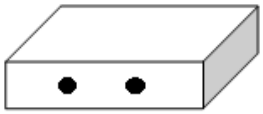
Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

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 1~4</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>
<tr><td>☒</td><td>Chain 1</td><td colspan="2">Chain 2</td></tr>
<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>

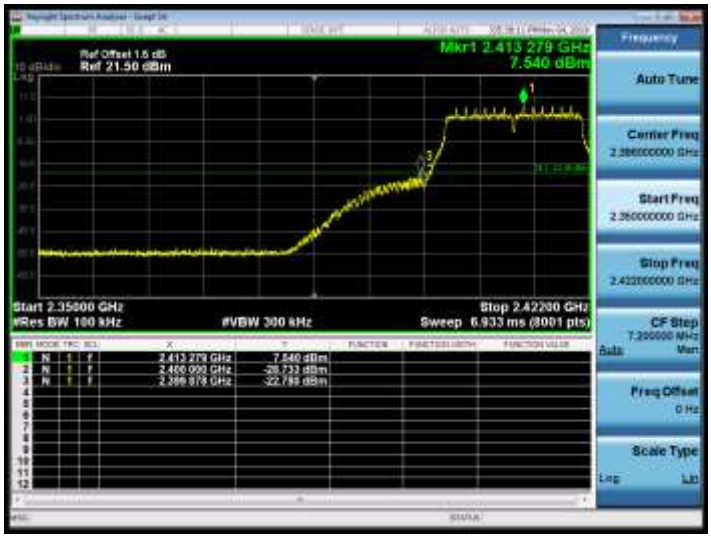
5.6. Test Result

Product Name	:	Wireless Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode 1~4(Radio 1)	Test Site	:	TR8
Test Date	:	2019.11.09	Test Engineer	:	Eric

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	15.013	2398.501	-21.815	36.828	>30	Pass
1	11	2462	15.172	2554.194	-54.738	69.910	>30	Pass
2	01	2412	7.562	2399.176	-25.055	32.617	>30	Pass
2	11	2462	8.376	2577.948	-55.246	63.622	>30	Pass
3	01	2412	7.540	2399.878	-22.780	30.320	>30	Pass
3	11	2462	8.218	2532.845	-54.427	62.645	>30	Pass
4	01	2412	7.533	2399.653	-22.933	30.466	>30	Pass
4	11	2462	8.229	2586.014	-53.611	61.840	>30	Pass

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

Mode 3 CH01(2412MHz)

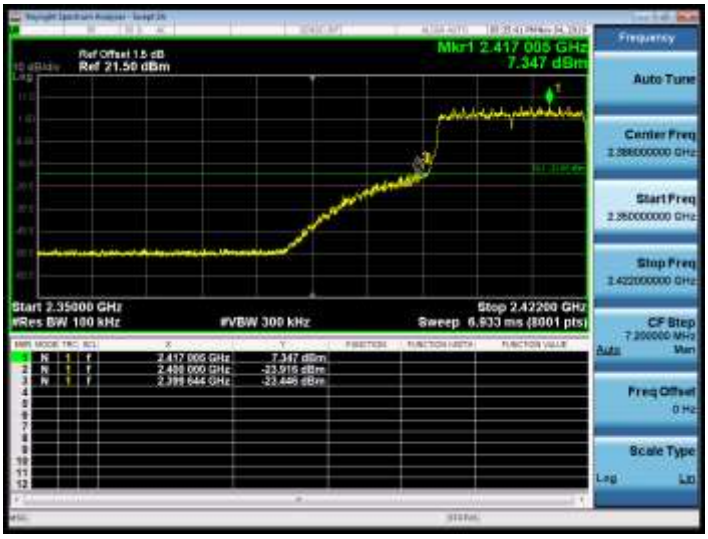


Product Name	:	Wireless Access Point	Power	:	AC 120V/60Hz
Test Mode	:	Mode 1~4(Radio 2)	Test Site	:	TR8
Test Date	:	2019.11.09	Test Engineer	:	Eric

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	14.900	2398.519	-22.144	37.044	>30	Pass
1	11	2462	15.067	2519.266	-55.876	70.943	>30	Pass
2	01	2412	7.558	2399.176	-25.376	32.934	>30	Pass
2	11	2462	8.340	2536.491	-55.717	64.057	>30	Pass
3	01	2412	7.612	2399.383	-24.098	31.710	>30	Pass
3	11	2462	8.292	2578.669	-55.245	63.537	>30	Pass
4	01	2412	7.347	2399.644	-23.446	30.793	>30	Pass
4	11	2462	8.129	2503.467	-56.196	64.325	>30	Pass

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

Mode 4 CH01(2412MHz)

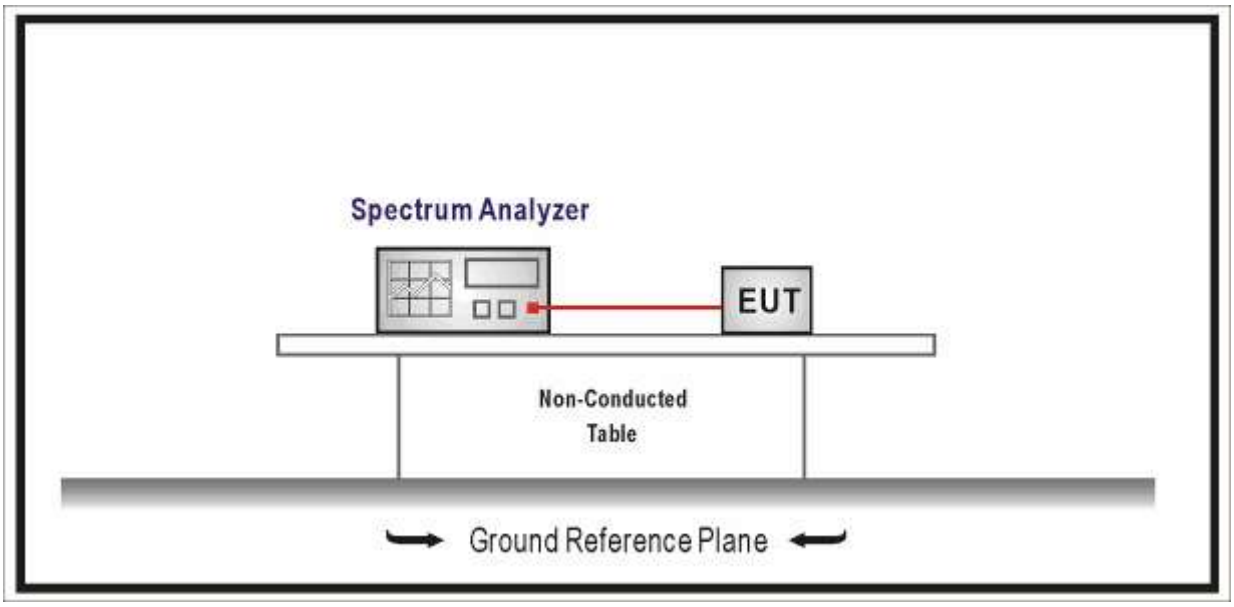


6. Band Edge

6.1. Test Equipment

Band Edge / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2019.09.28	2020.09.27
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2020.04.17	2021.04.16
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2019.08.30	2020.08.29
Temperature/Humidity Meter	Zhichen	ZC1-2	TR8-TH	2019.09.02	2020.09.01
Note: All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

6.2. Test Setup



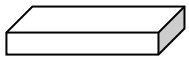
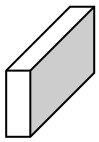
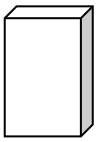
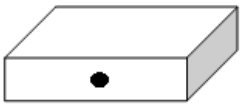
6.3. Limit

Band edge Limit				
Frequency bands (MHz)	Detector	Limit (dBµV/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

Test Method						
	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>
<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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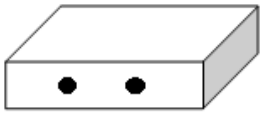
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

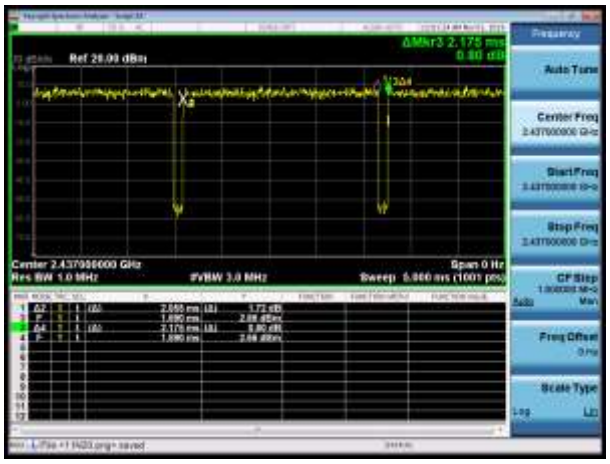
6.6. Duty Cycle

Radio 1

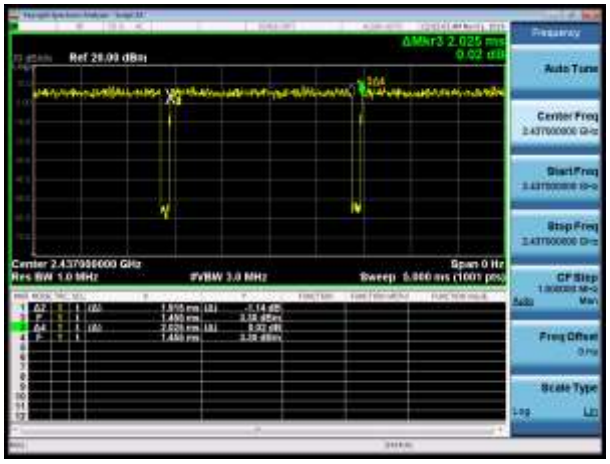
Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle (%)
802.11b	N/A	N/A	10Hz	N/A	100.00
802.11g	2.055	0.120	500Hz	2.175	94.48
802.11n(20MHz)	1.915	0.110	1kHz	2.025	94.57
802.11ax(20MHz)	1.476	0.048	1kHz	1.524	96.85

802.11b

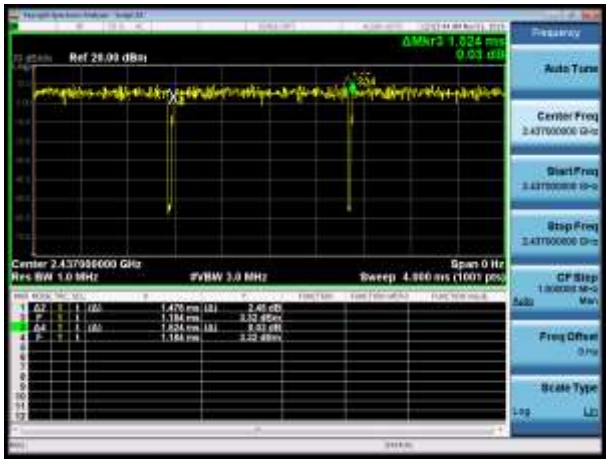
802.11g



802.11n(20MHz)



802.11ax(20MHz)

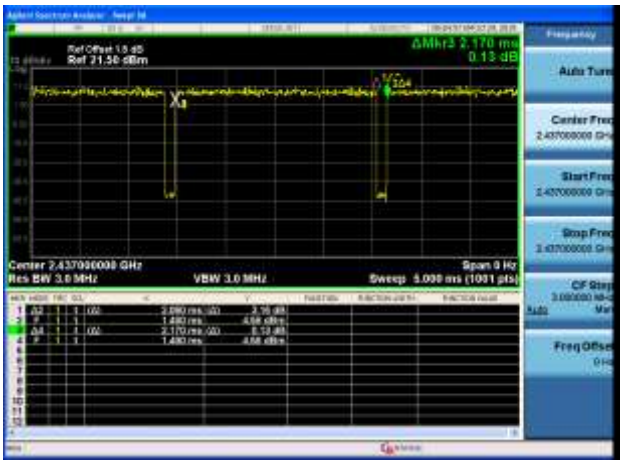


Radio 2

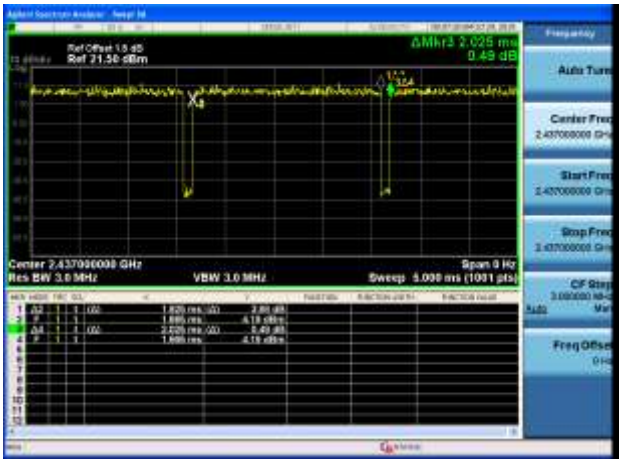
Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle (%)
802.11b	N/A	N/A	10Hz	N/A	100.00
802.11g	2.060	0.110	500Hz	2.170	94.93
802.11n(20MHz)	1.925	0.100	1kHz	2.025	95.06
802.11ax(20MHz)	1.488	0.032	1kHz	1.520	97.89
802.11n(20MHz) with Beamforming	1.915	0.110	1kHz	2.025	94.57
802.11ax(20MHz) with Beamforming	1.480	0.040	1kHz	1.520	97.37

802.11b

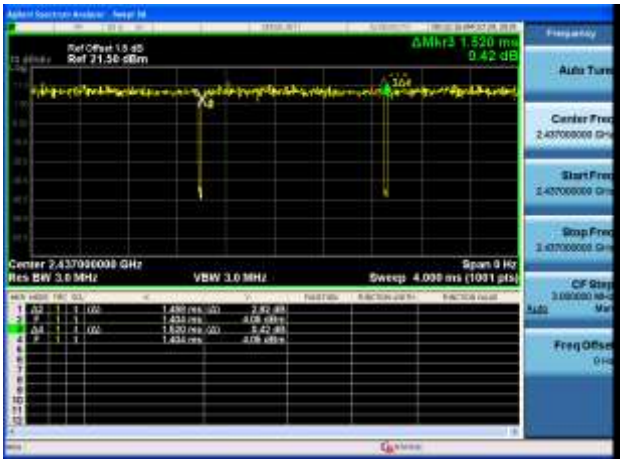
802.11g

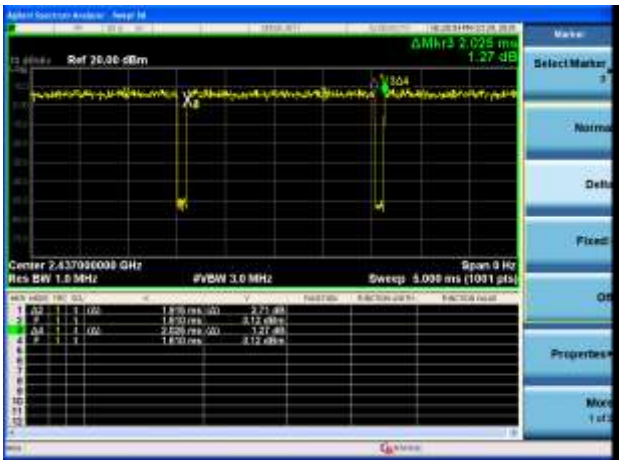
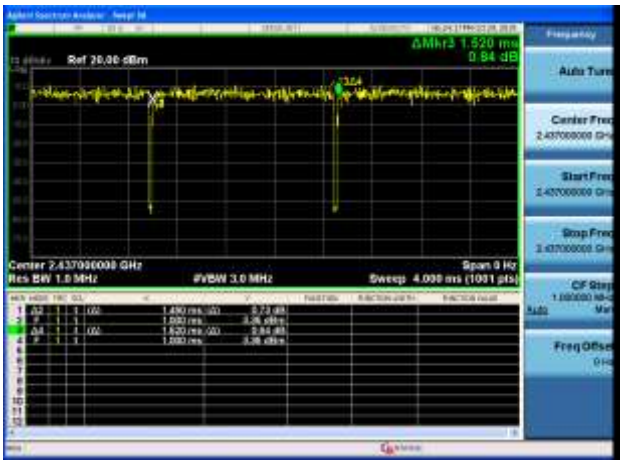


802.11n(20MHz)



802.11ax(20MHz)



802.11n(20MHz) with Beamforming	802.11ax(20MHz) with Beamforming
	

6.7. Test Result

Radio 1：

SISO PK Limit=74dBuV/m-95.2-7.83(Antenna Gain)=-29.03dBm

SISO AV Limit=54dBuV/m-95.2-7.83(Antenna Gain)=-49.03dBm

Radio 2：

SISO PK Limit=74dBuV/m-95.2-7.88(Antenna Gain)=-29.08dBm

SISO AV Limit=54dBuV/m-95.2-7.88(Antenna Gain)=-49.08dBm

CDD/Beamforming PK Limit=74dBuV/m-95.2-10lg2(2Tx)-10.89(Directional Gain)=-35.10dBm

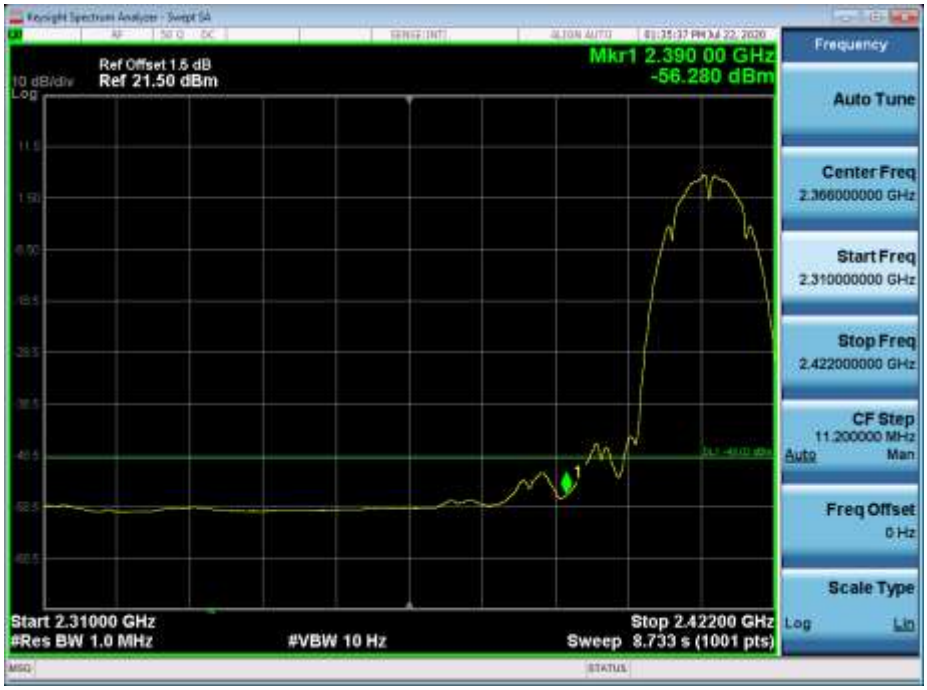
CDD/Beamforming AV Limit=54dBuV/m-95.2-10lg2(2Tx)-10.89(Directional Gain)=-55.10dBm

Note: Above limit is the worst case of AP460SC.

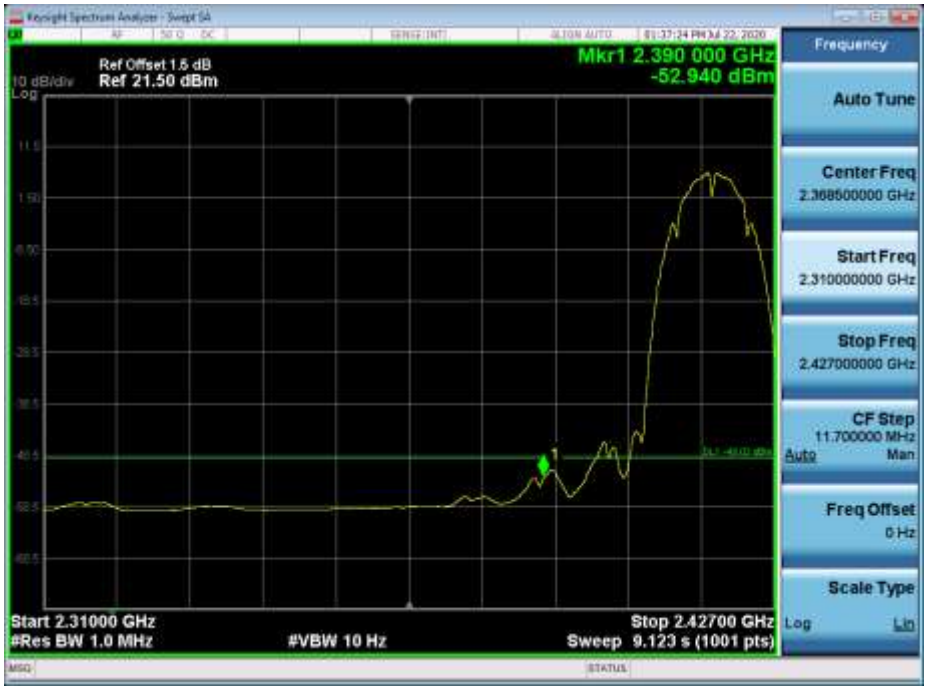
Radio 1:

AV Limit-SISO:

2412MHz by 802.11b:

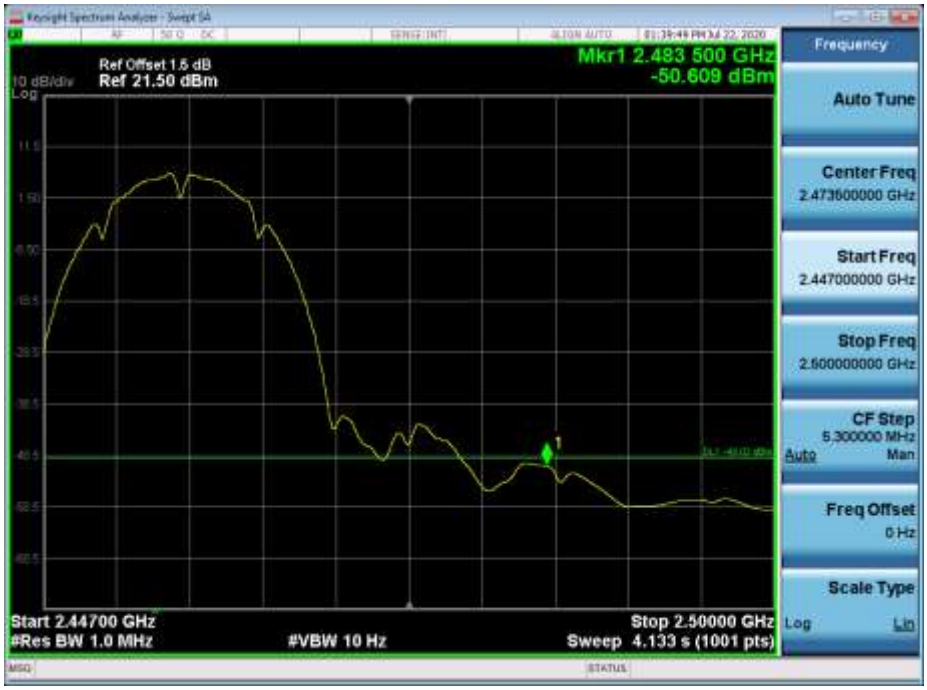


2417MHz by 802.11b:



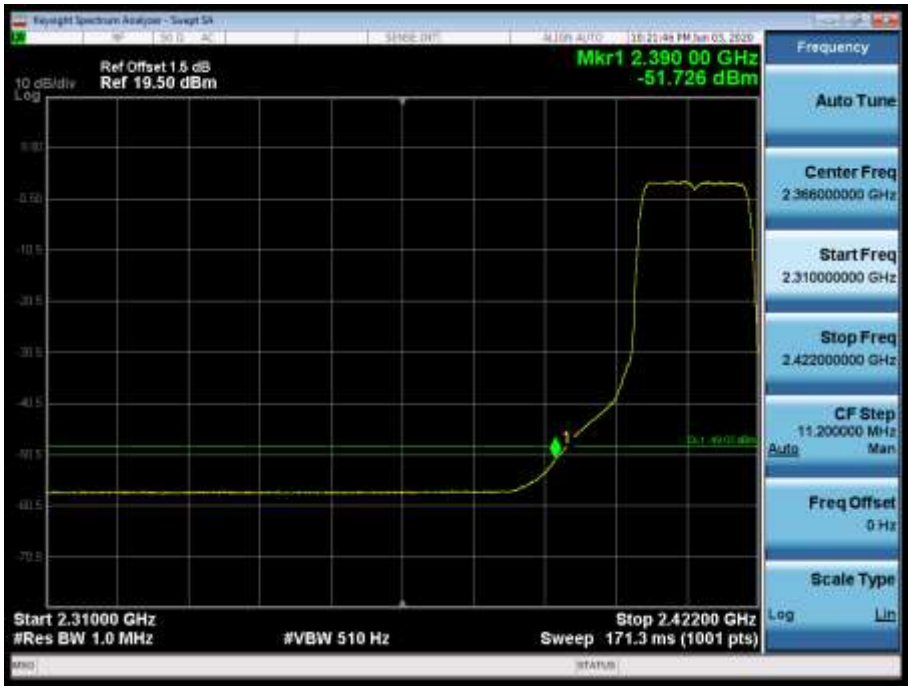
2437MHz by 802.11b:

2457MHz by 802.11b:



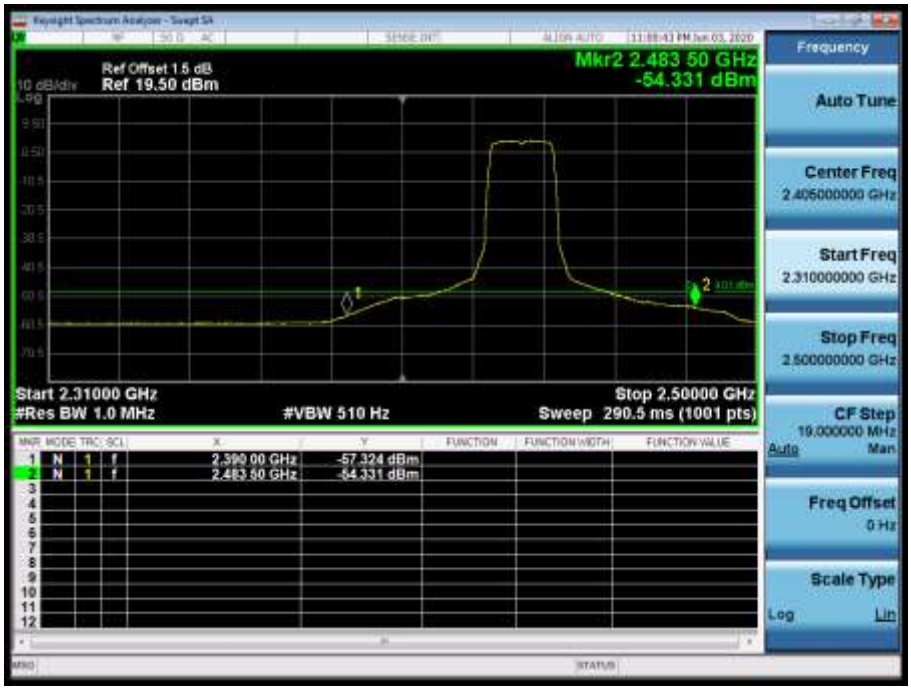
2462MHz by 802.11b:

2412MHz by 802.11g:

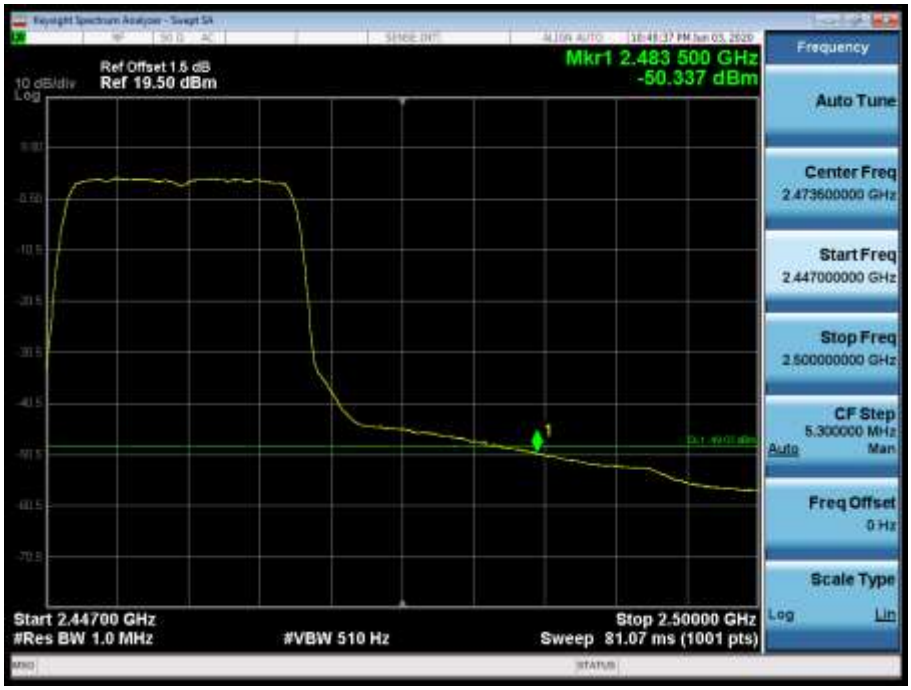


2417MHz by 802.11g:

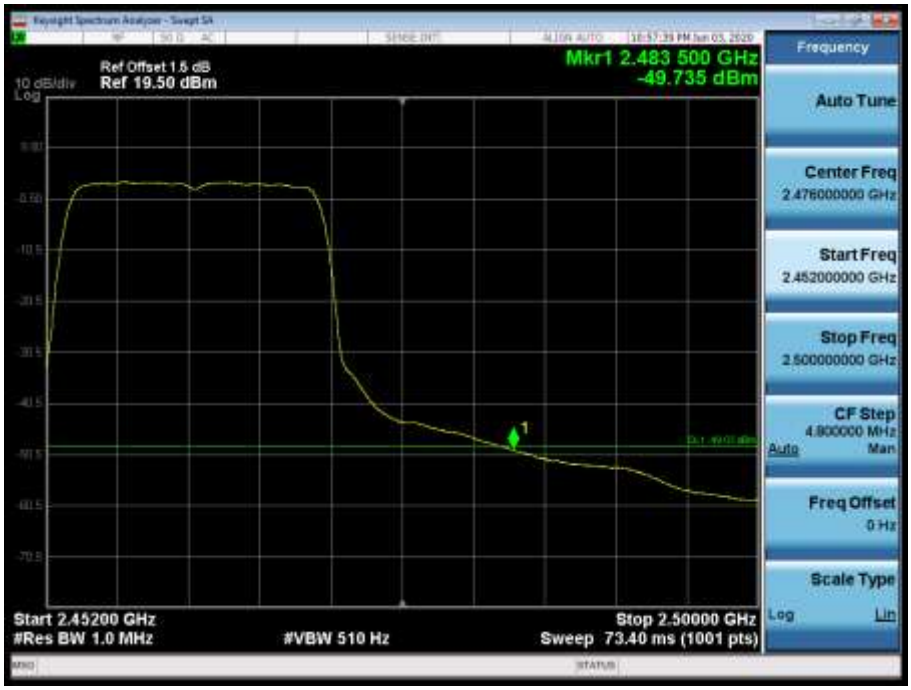
2437MHz by 802.11g:



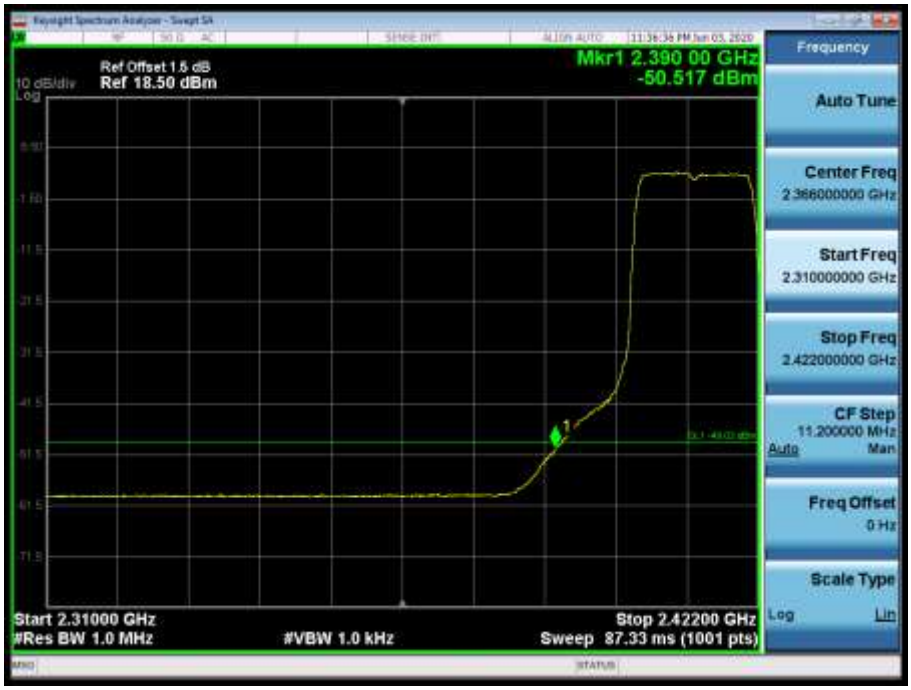
2457MHz by 802.11g:



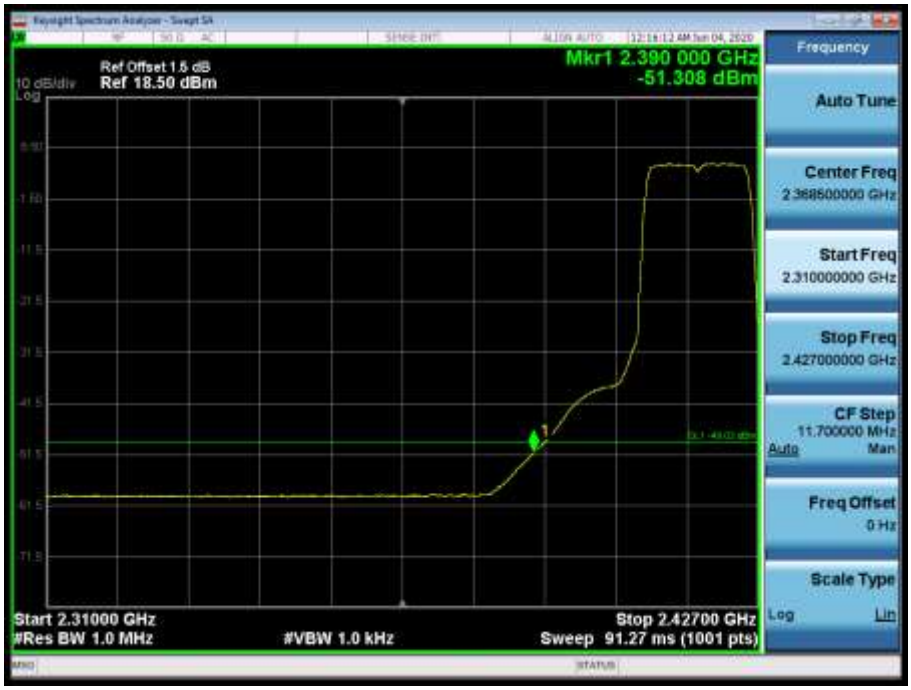
2462MHz by 802.11g:



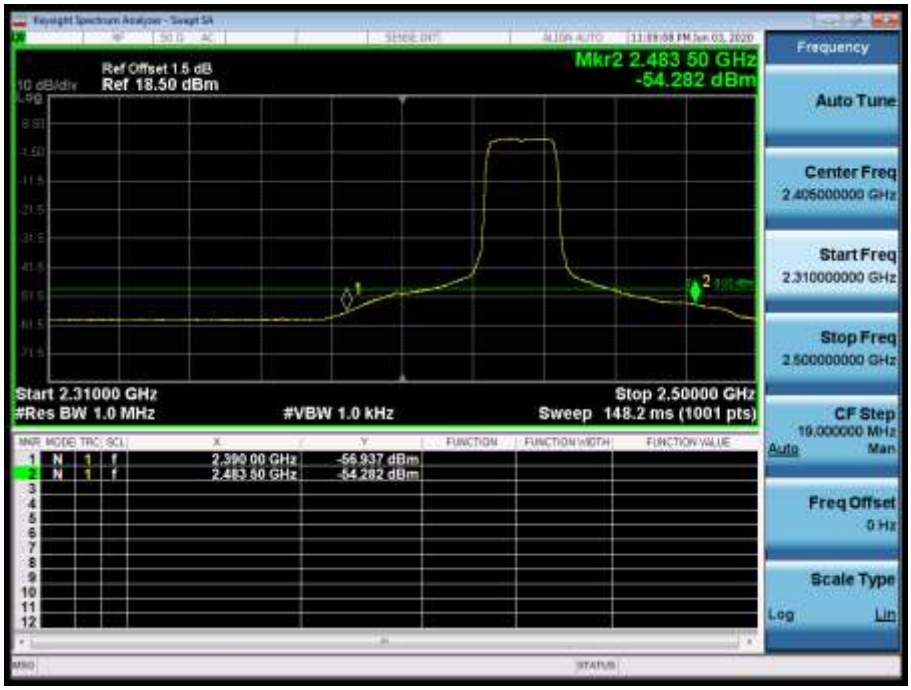
2412MHz by 802.11n(20MHz):



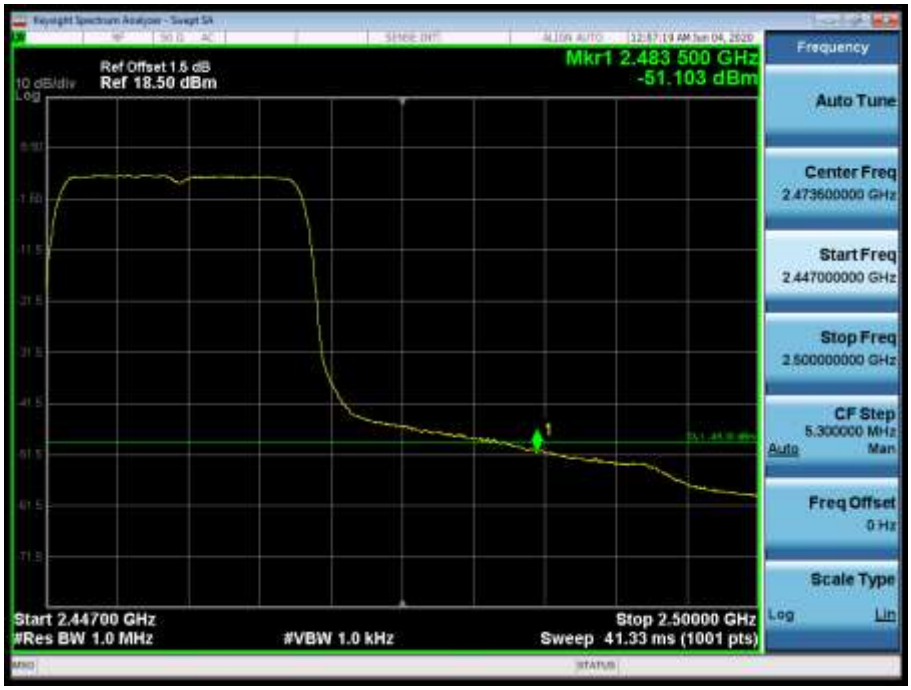
2417MHz by 802.11n(20MHz):



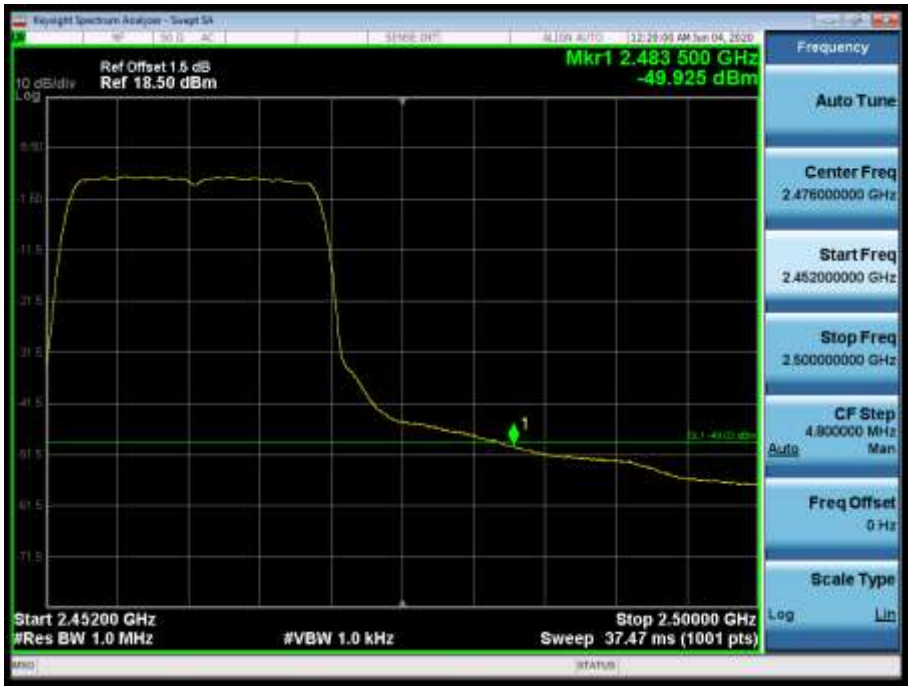
2437MHz by 802.11n(20MHz):



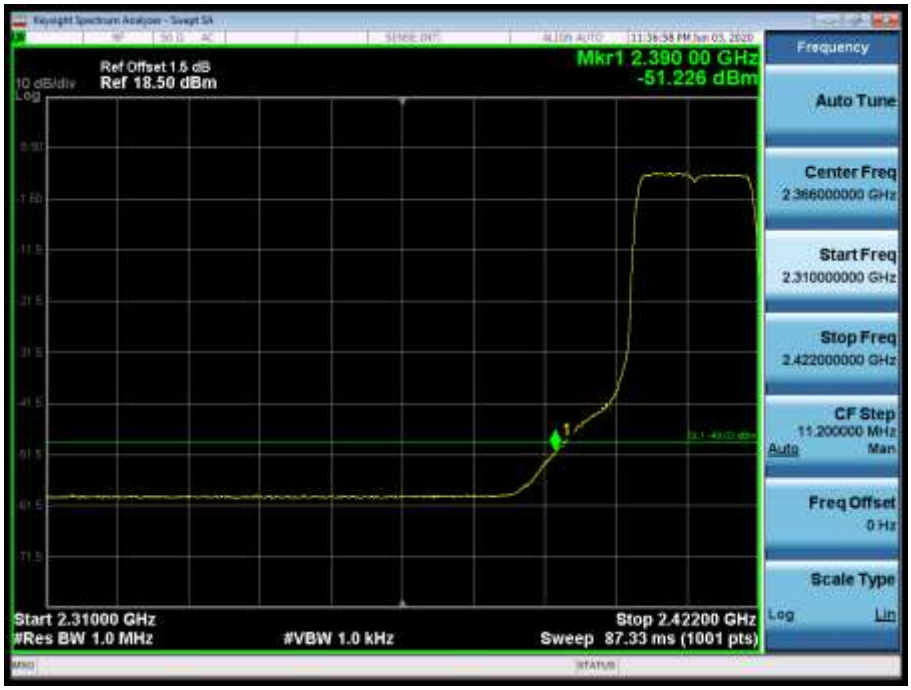
2457MHz by 802.11n(20MHz):



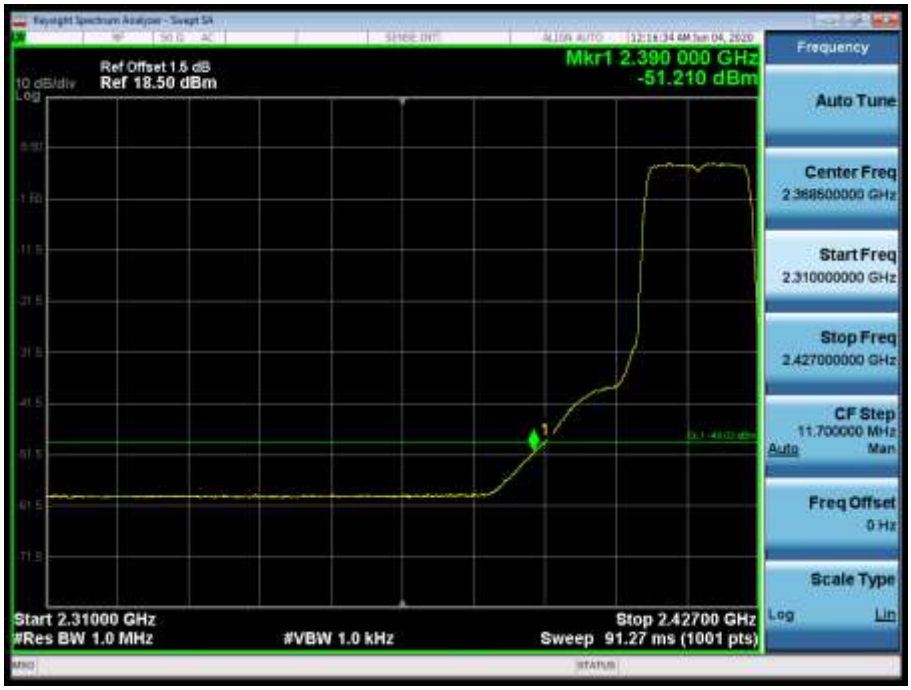
2462MHz by 802.11n(20MHz):



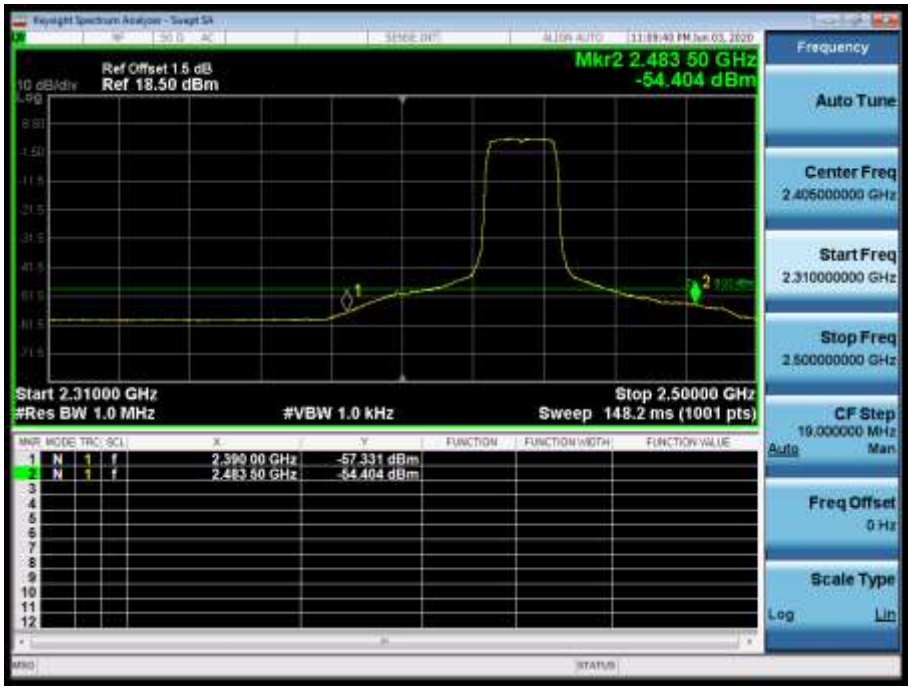
2412MHz by 802.11ax(20MHz):



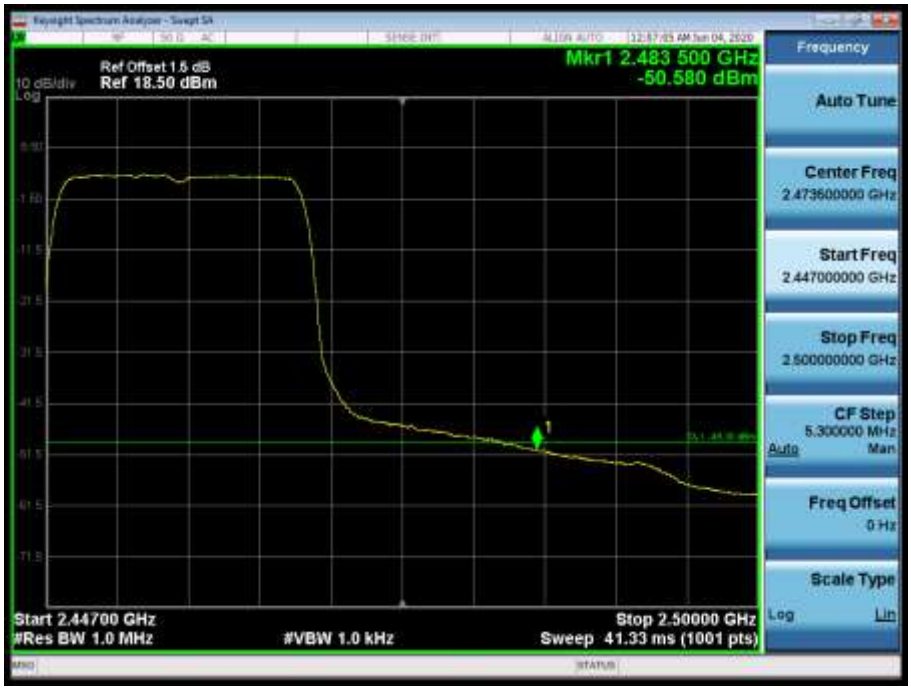
2417MHz by 802.11ax(20MHz):



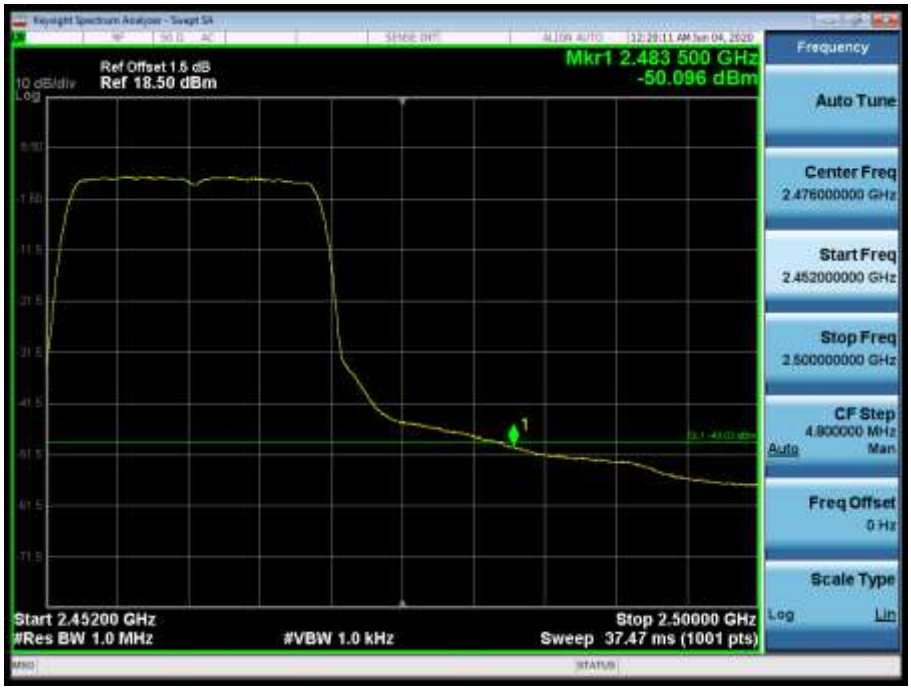
2437MHz by 802.11ax(20MHz):



2457MHz by 802.11ax(20MHz):

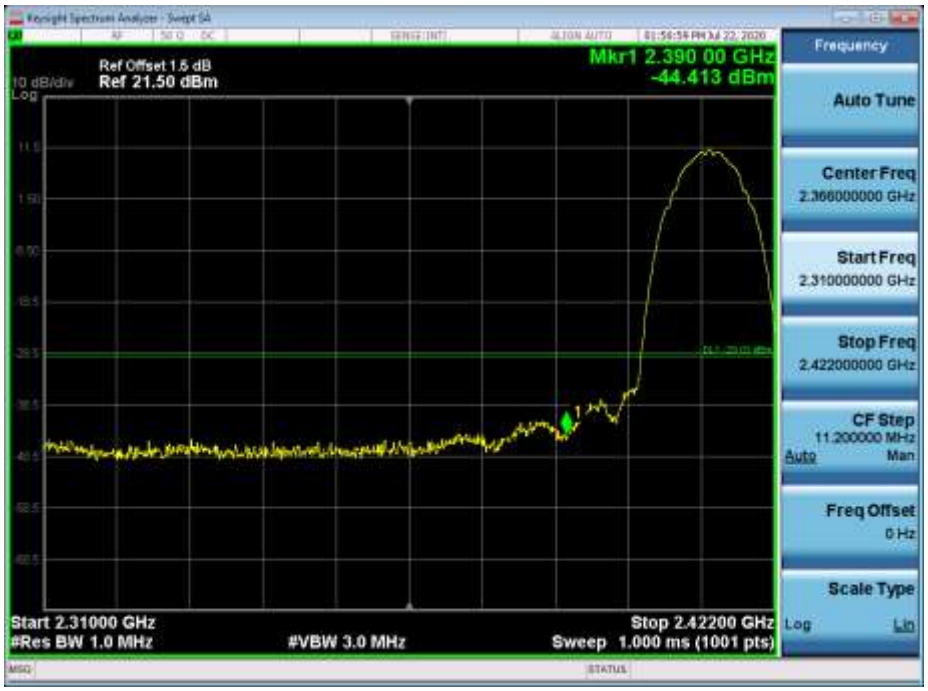


2462MHz by 802.11ax(20MHz):

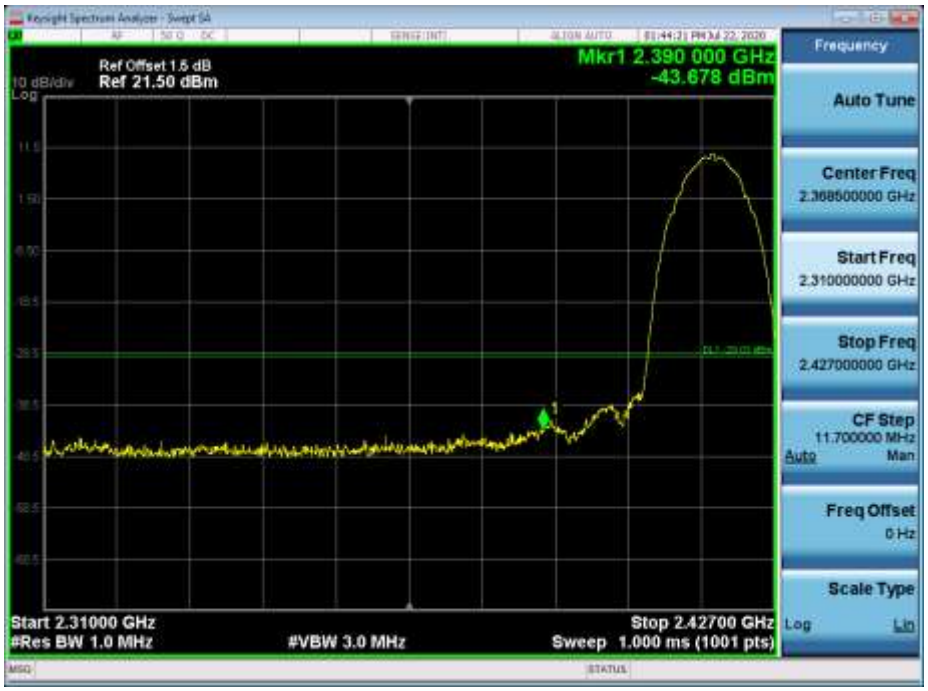


PK Limit-SISO:

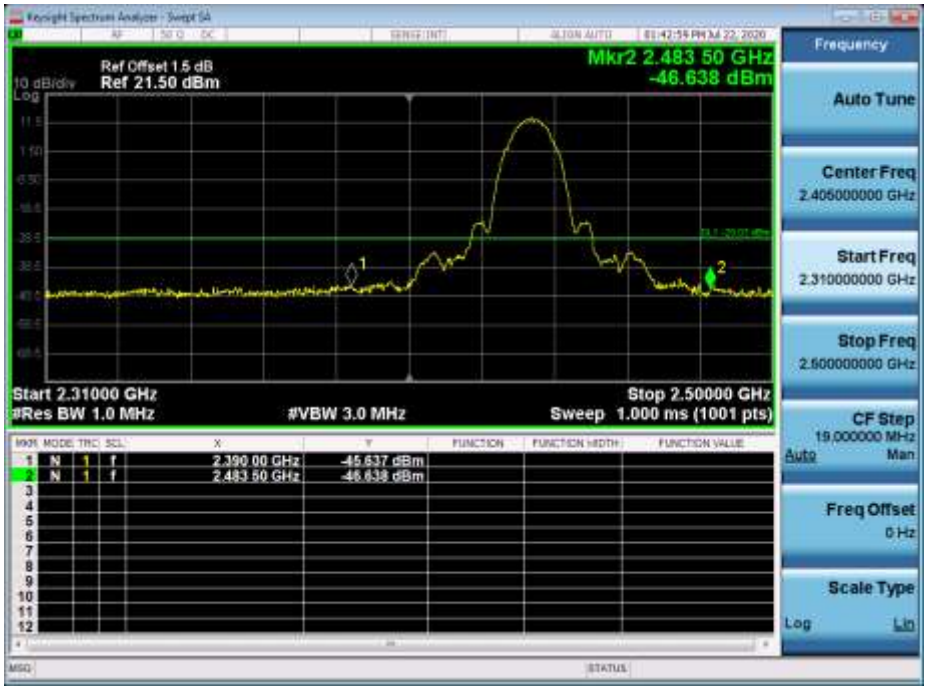
2412MHz by 802.11b:



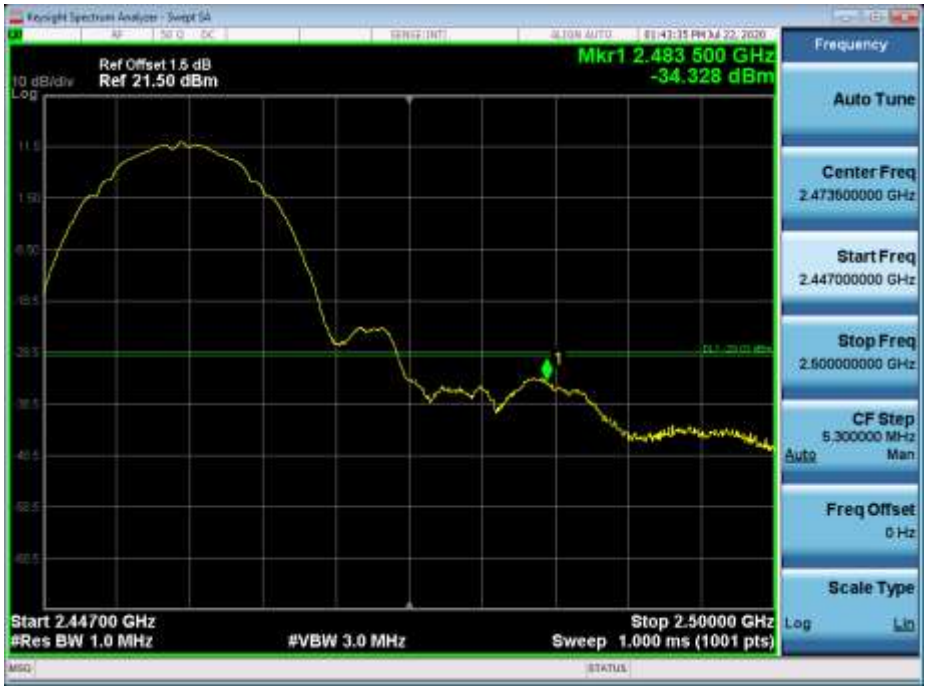
2417MHz by 802.11b:



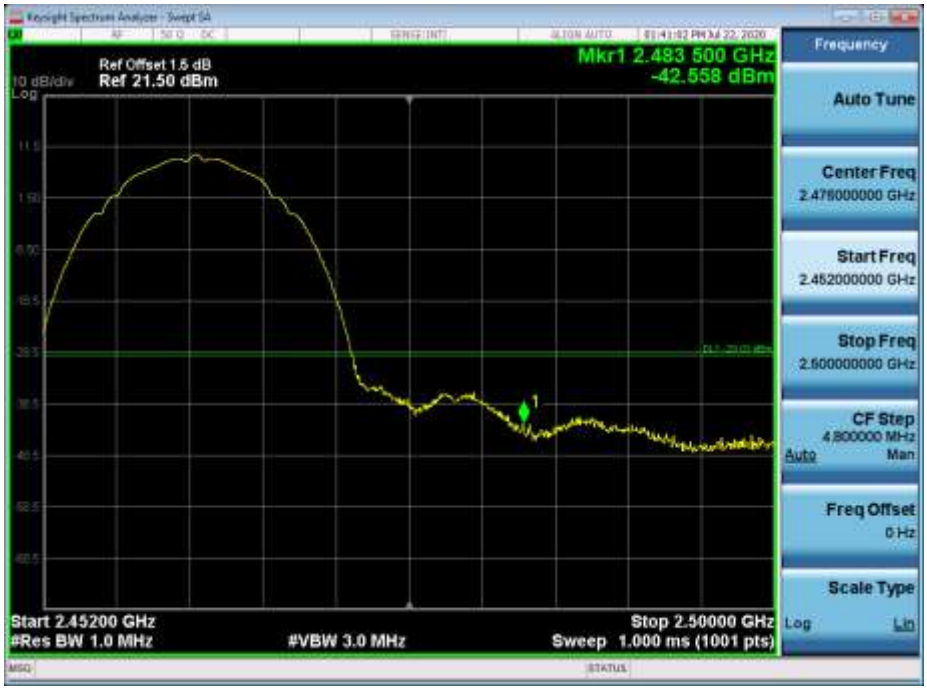
2437MHz by 802.11b:



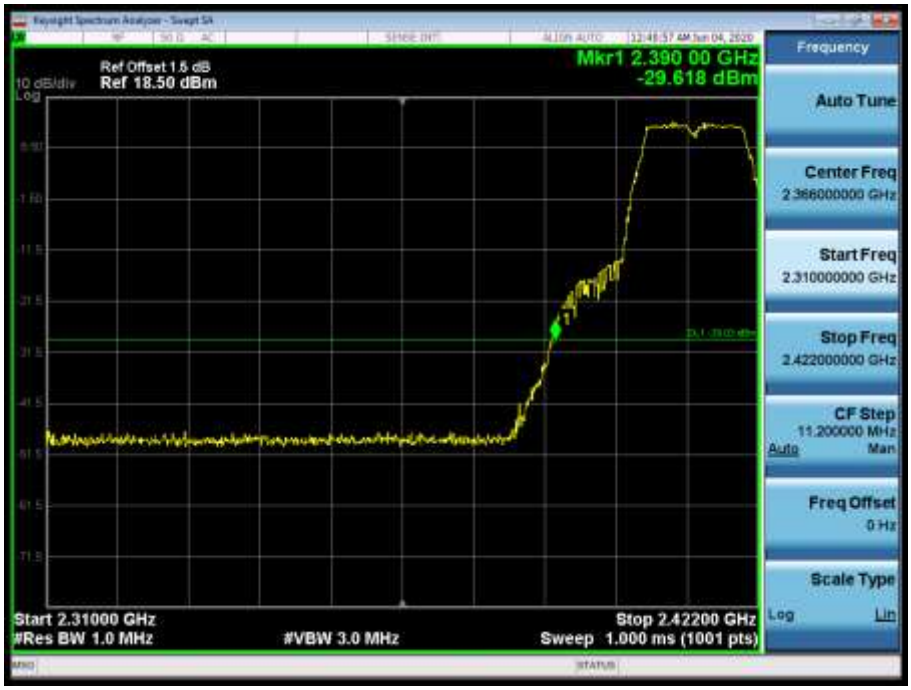
2457MHz by 802.11b:



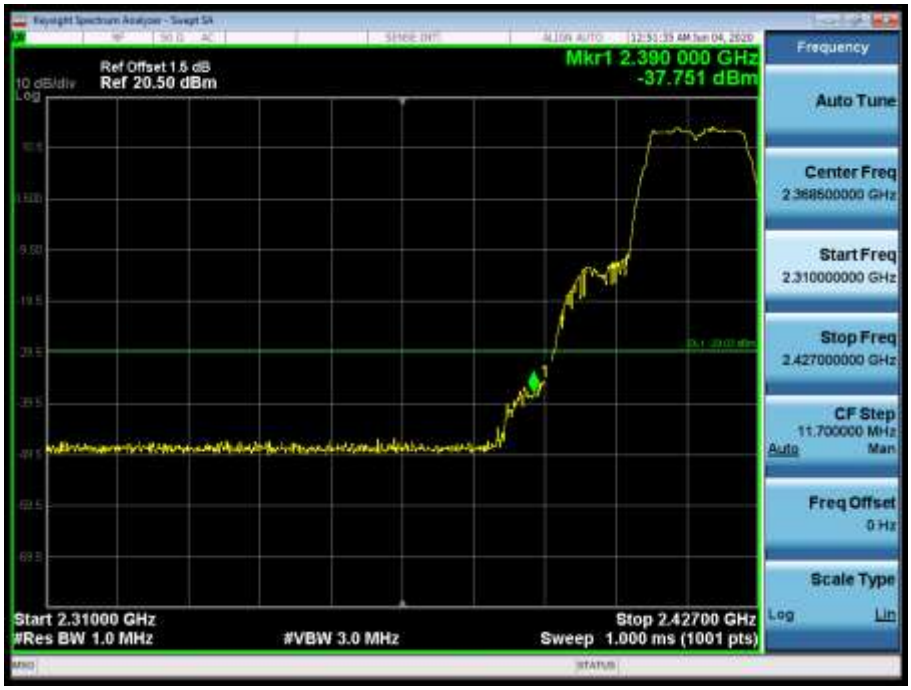
2462MHz by 802.11b:



2412MHz by 802.11g:



2417MHz by 802.11g:



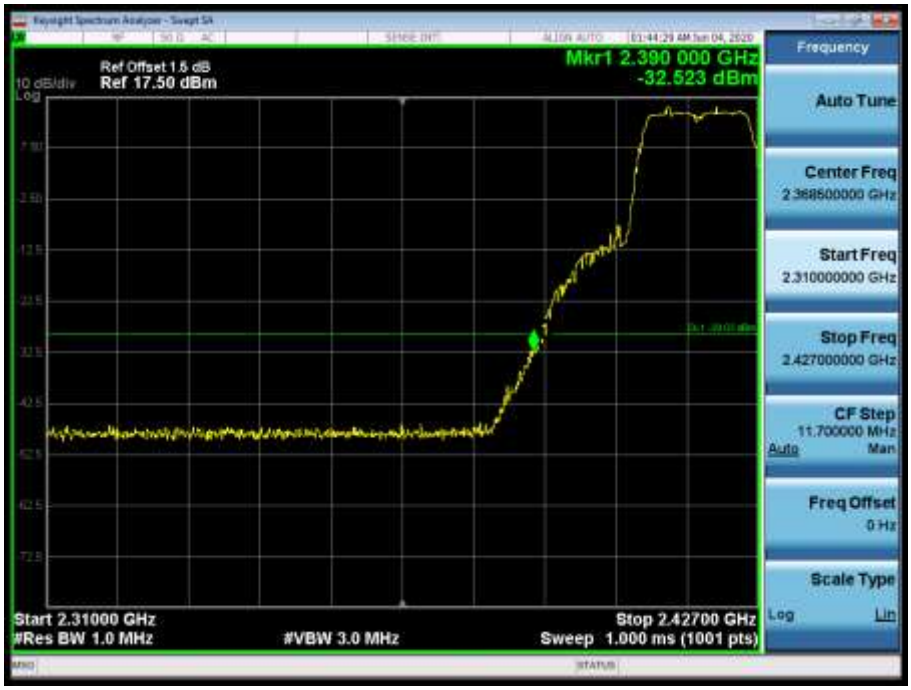
2437MHz by 802.11g:

2457MHz by 802.11g:

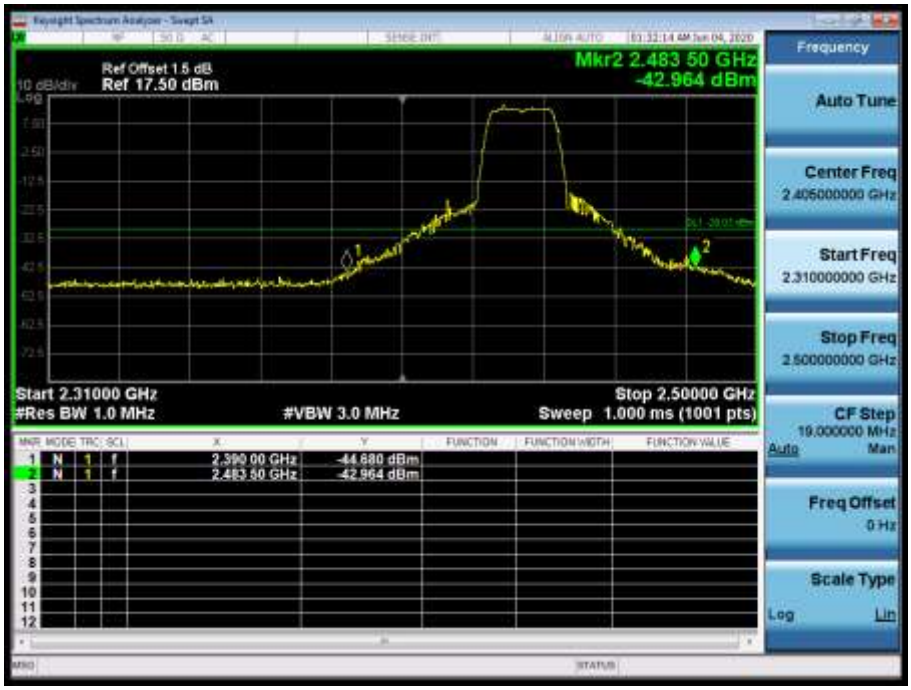
2462MHz by 802.11g:

2412MHz by 802.11n(20MHz):

2417MHz by 802.11n(20MHz):



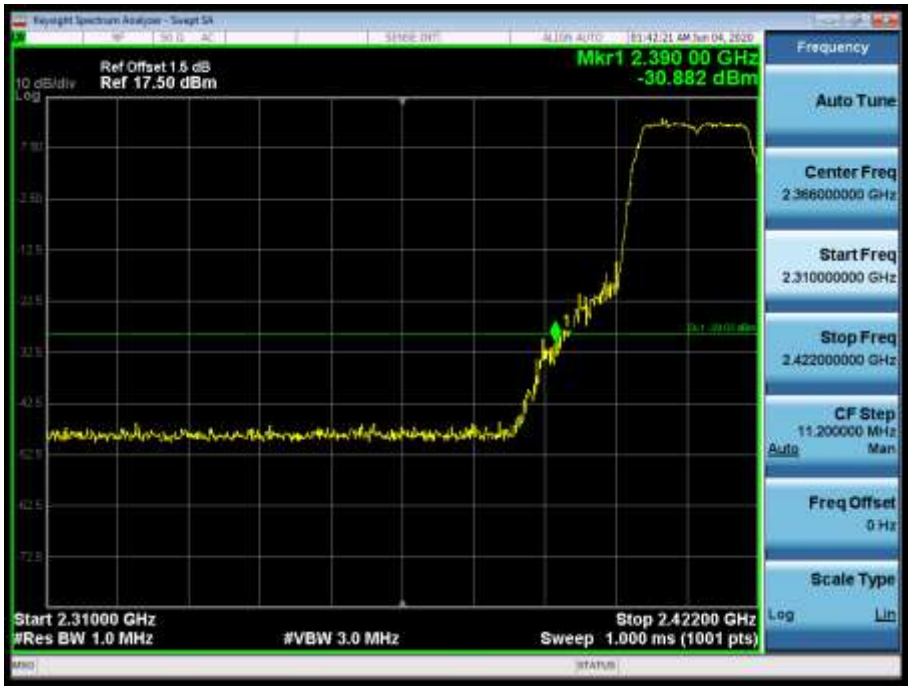
2437MHz by 802.11n(20MHz):



2457MHz by 802.11n(20MHz):

2462MHz by 802.11n(20MHz):

2412MHz by 802.11ax(20MHz):



2417MHz by 802.11ax(20MHz):

2437MHz by 802.11ax(20MHz):

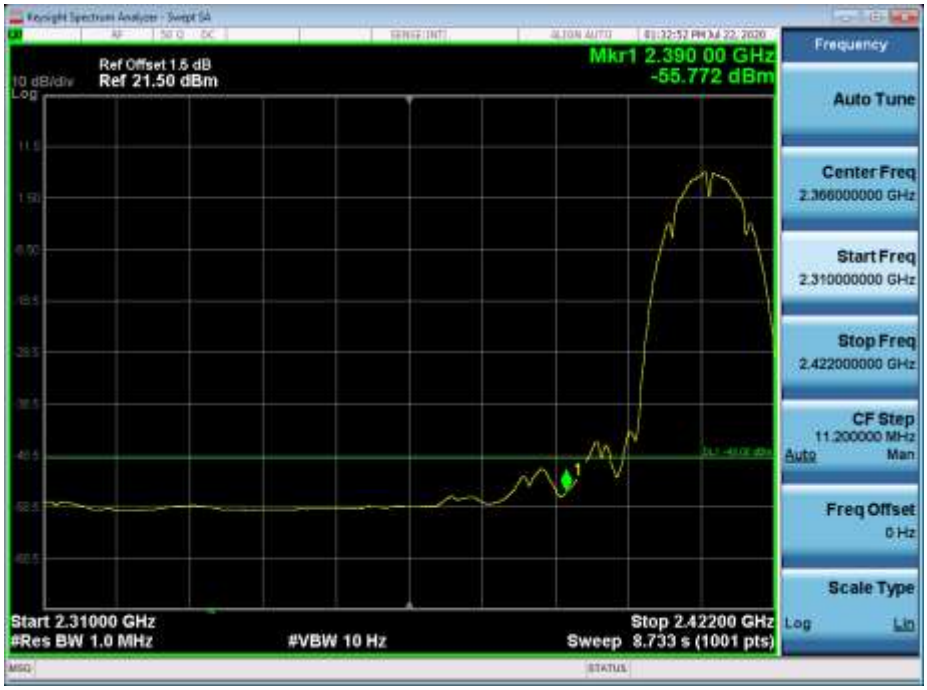
2457MHz by 802.11ax(20MHz):

2462MHz by 802.11ax(20MHz):

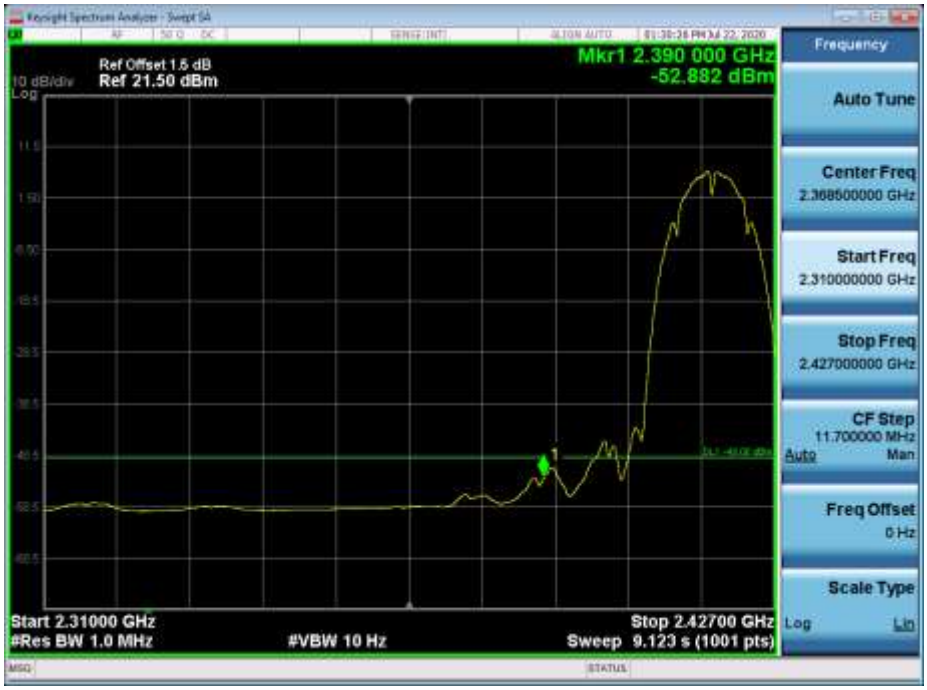
Radio 2

AV Limit-SISO:

2412MHz by 802.11b:



2417MHz by 802.11b:

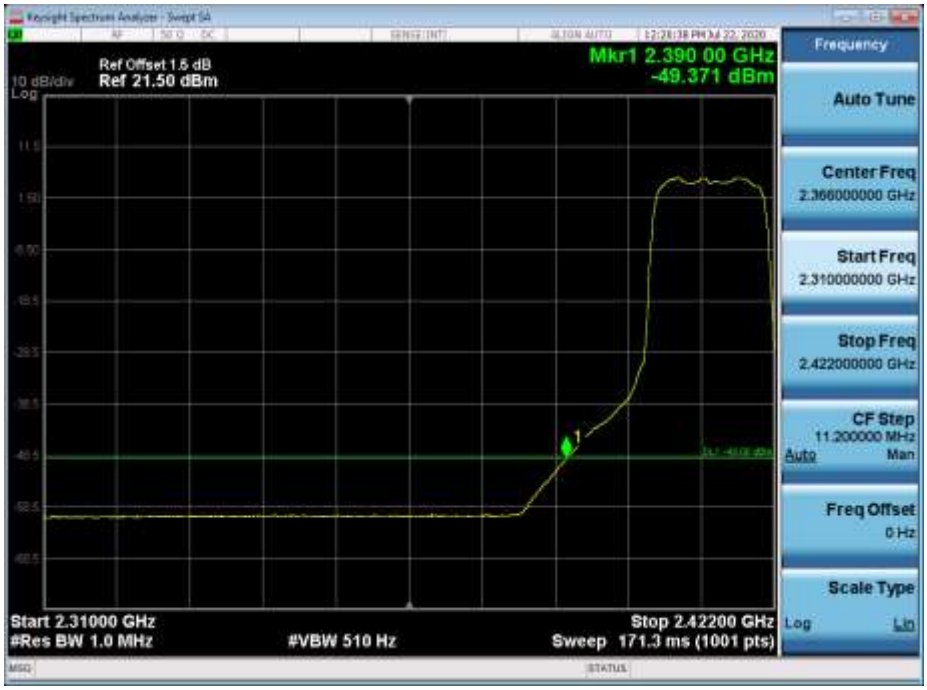


2437MHz by 802.11b:

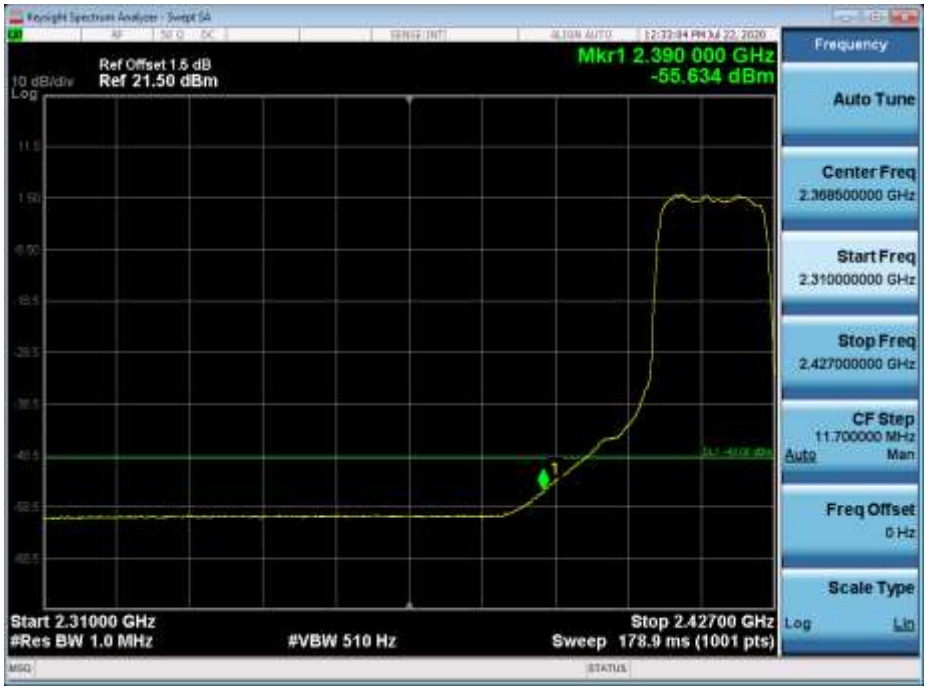
2457MHz by 802.11b:

2462MHz by 802.11b:

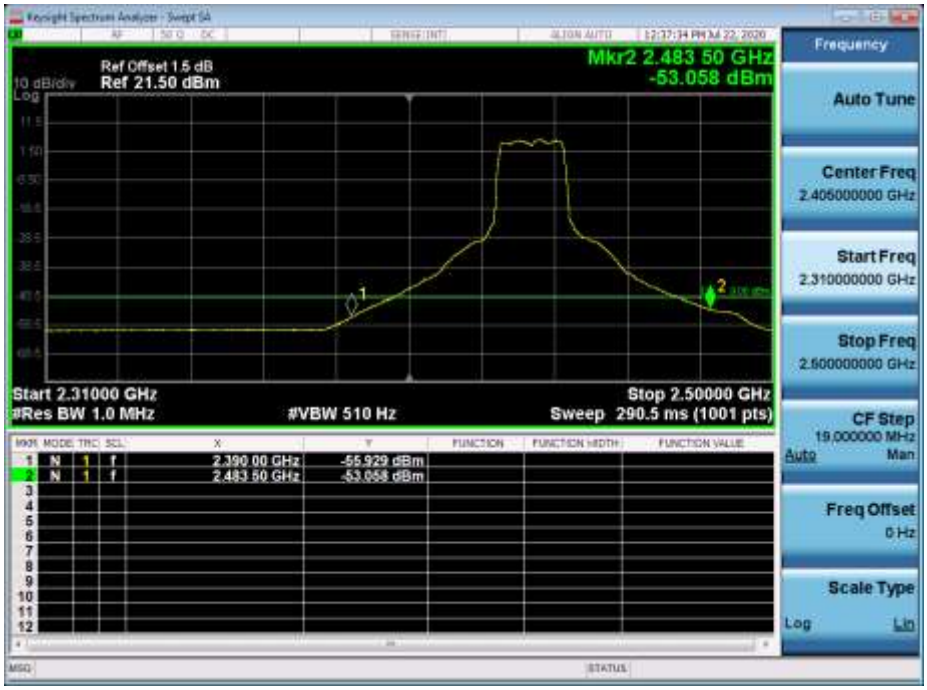
2412MHz by 802.11g:



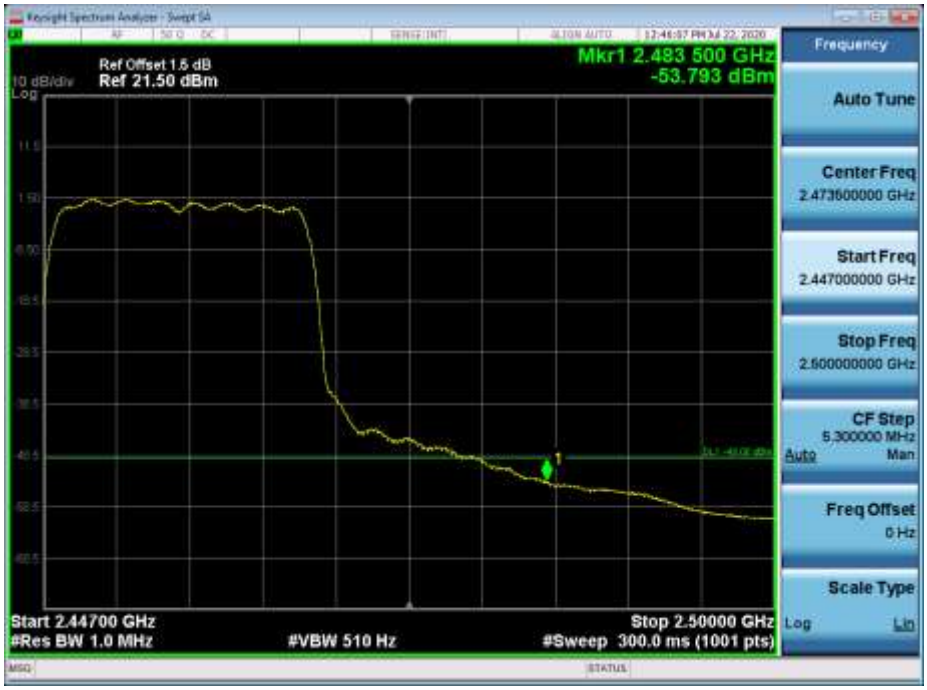
2417MHz by 802.11g:



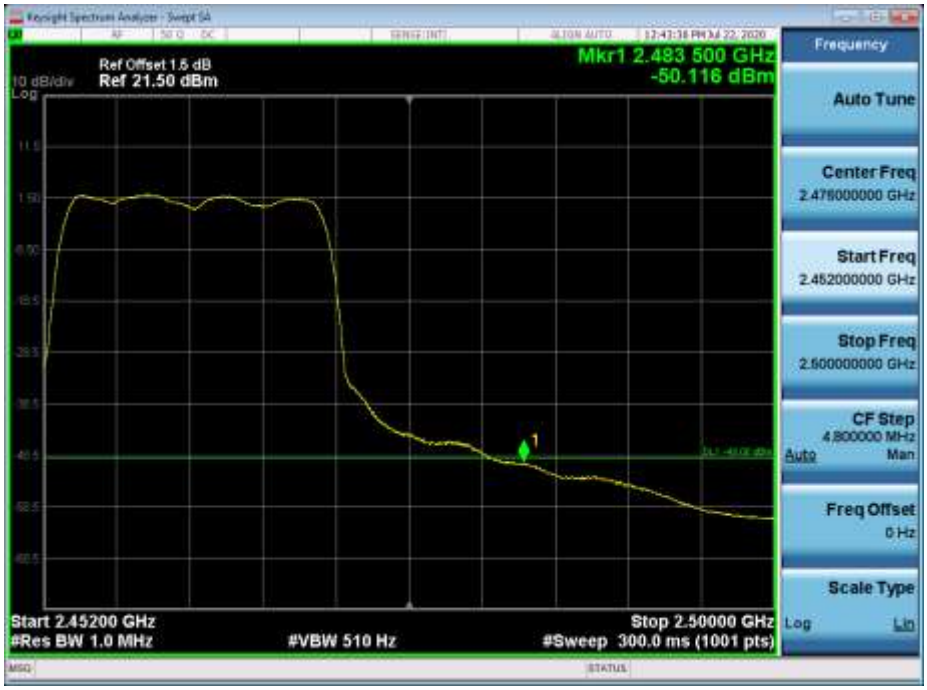
2437MHz by 802.11g:



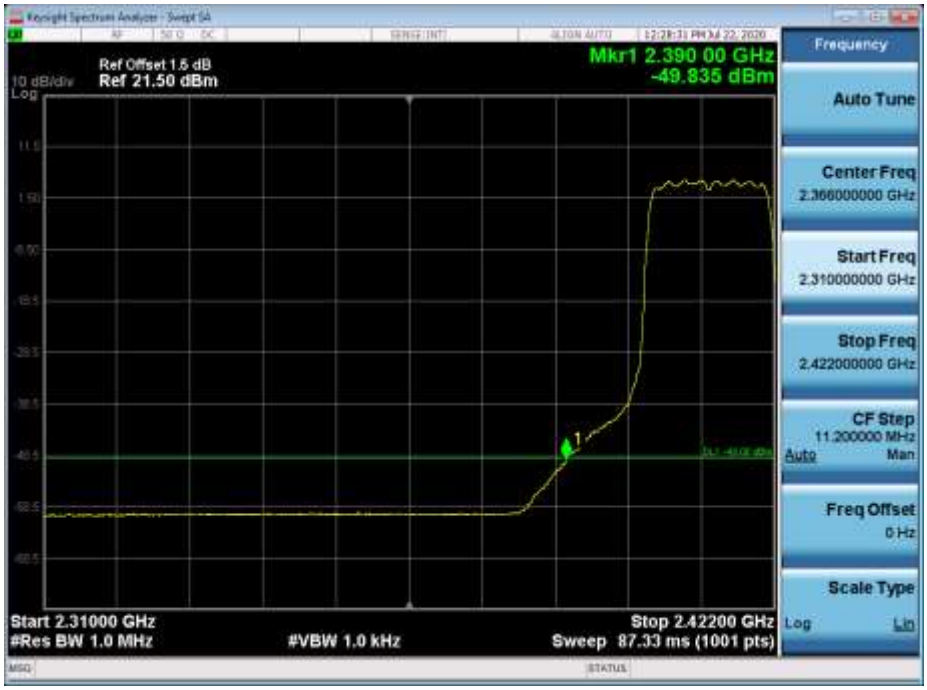
2457MHz by 802.11g:



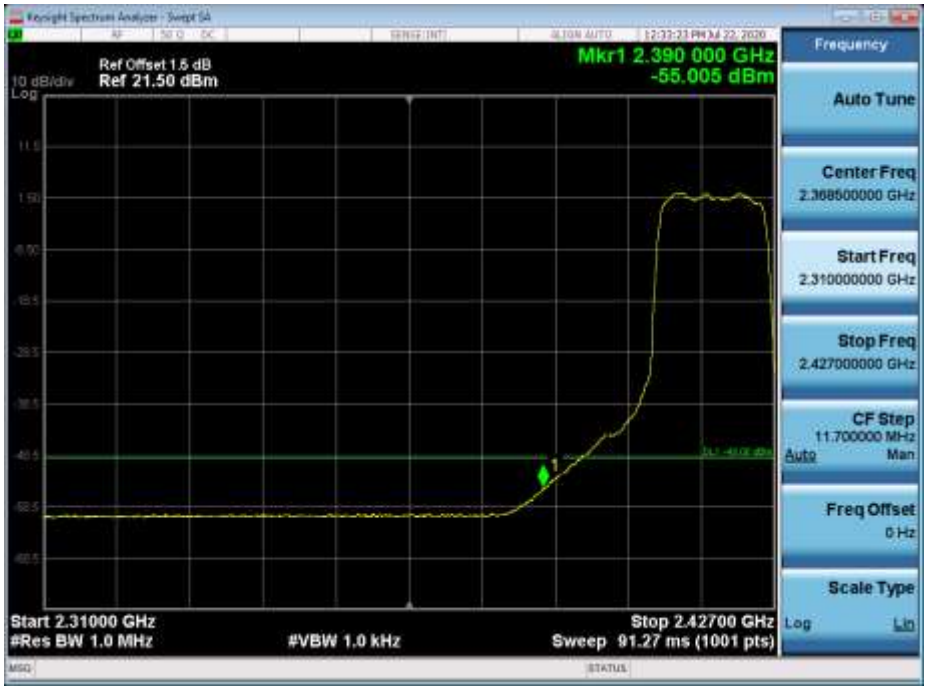
2462MHz by 802.11g:



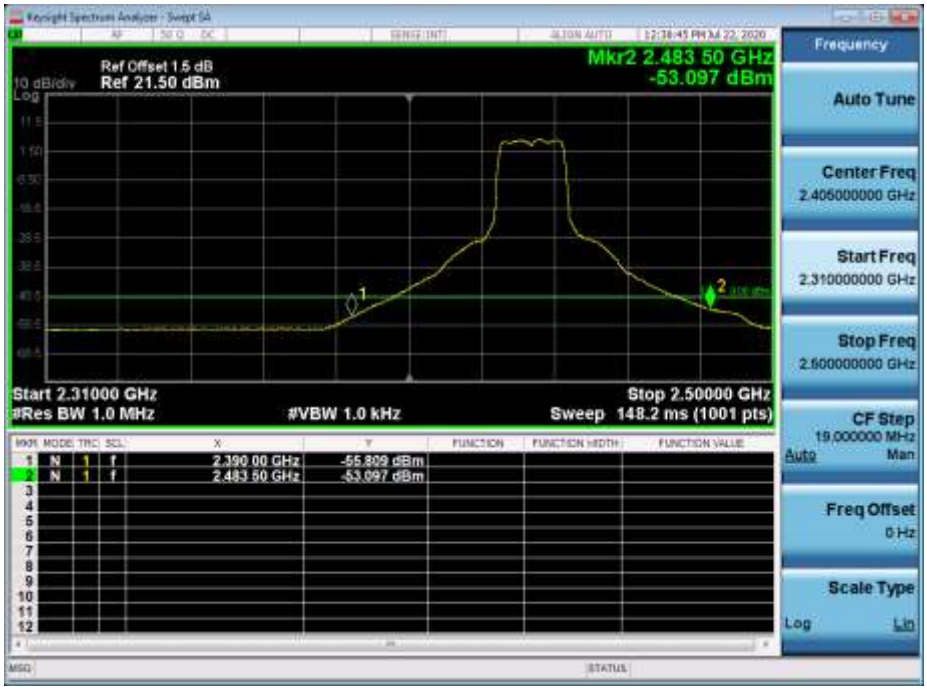
2412MHz by 802.11n(20MHz):



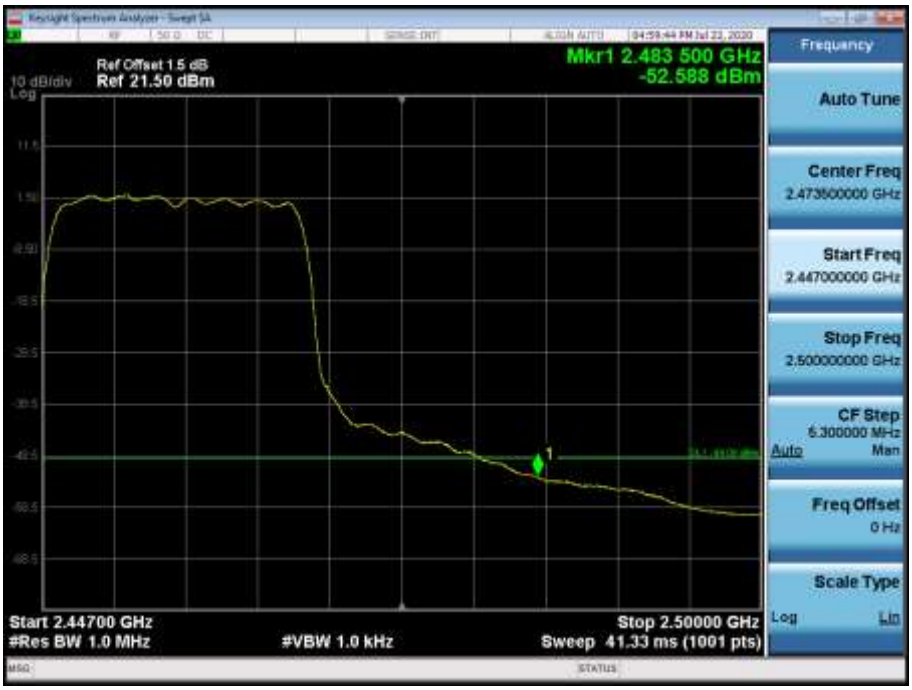
2417MHz by 802.11n(20MHz):



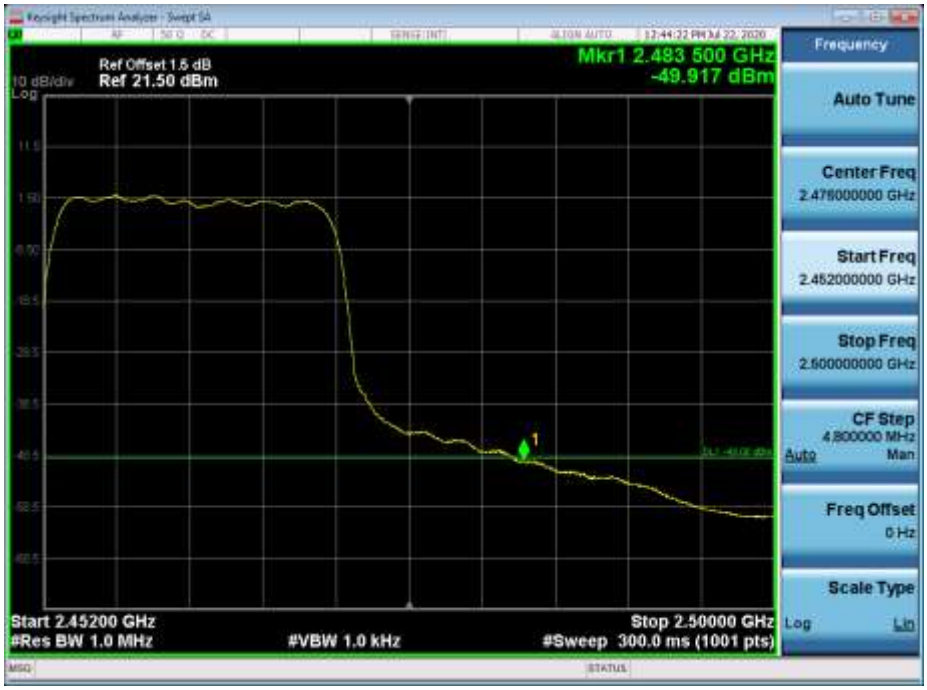
2437MHz by 802.11n(20MHz):



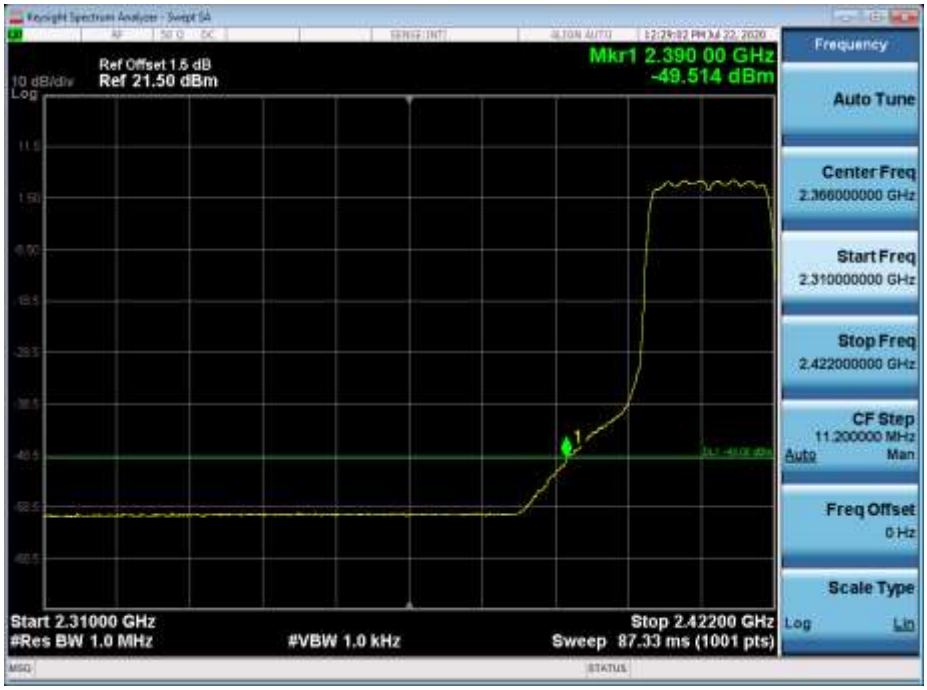
2457MHz by 802.11n(20MHz):



2462MHz by 802.11n(20MHz):



2412MHz by 802.11ax(20MHz):



2417MHz by 802.11ax(20MHz):