



中国认可
国际互认
检测
TESTING
CNAS L5



Test Report

FCC Part15 Subpart E

Product Name : AC750 Wireless Dual Band Gigabit Router
Model No. : Archer C2
FCC ID : TE7C2

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

Date of Receipt : Feb. 18, 2016
Test Date : Feb. 18, 2016~Apr. 27, 2016
Issued Date : Jun. 15, 2016
Report No. : 1612033R-RF-US-P09V01
Report Version : V1.1

The test results relate only to the samples tested.

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

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

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

Test Report Certification

Issued Date : Jun. 15, 2016
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Product Name : AC750 Wireless Dual Band Gigabit Router
Applicant : TP-LINK TECHNOLOGIES CO., LTD.
Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer : TP-LINK TECHNOLOGIES CO., LTD.
Address : Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Model No. : Archer C2
FCC ID : TE7C2
EUT Voltage : AC 100-240V, 50/60Hz
Brand Name : TP-LINK
Applicable Standard : FCC CFR Title 47 Part 15 Subpart E: 2015
ANSI C63.4:2014;
ANSI C63.10:2013;
789033 D02 General UNII Test Procedures New Rules v01r02
FCC 16-24-A1: 2016
Test Result : Complied
Performed Location : Quietek Corporation - Suzhou EMC Laboratory
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TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
FCC Registration Number: 800392;

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Laboratory Information

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

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

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

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

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1612033R-RF-US-P09V01	V1.0	Initial Issued Report	May. 24, 2016
1612033R-RF-US-P09V01	V1.1	Change the 26dB bandwidth data.	Jun. 15, 2016

1. General Information

1.1. EUT Description

Product Name	AC750 Wireless Dual Band Gigabit Router					
Brand Name	TP-LINK					
Model No.	Archer C2					
EUT Voltage	AC 100-240V, 50/60Hz					
Test Voltage	120V/60Hz					
Type of Modulation	OFDM					
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps					
	802.11n: up to 150Mbps					
	802.11ac: up to 433.3Gbps					
Channel Control	Auto					
Transmit modes	<input checked="" type="checkbox"/>	802.11a	<input checked="" type="checkbox"/>	802.11n(20MHz)	<input checked="" type="checkbox"/>	802.11n(40MHz)
	<input checked="" type="checkbox"/>	802.11ac(20MHz)	<input checked="" type="checkbox"/>	802.11ac(40MHz)	<input checked="" type="checkbox"/>	802.11ac(80MHz)
Support Bands	<input checked="" type="checkbox"/>	5150MHz~5250MHz	<input type="checkbox"/> Outdoor AP			
			<input checked="" type="checkbox"/> Indoor AP			
			<input type="checkbox"/> Fixed point-to-point AP			
			<input type="checkbox"/> Mobile and Portable Client			
	<input type="checkbox"/>	5250MHz~5350MHz				
	<input type="checkbox"/>	5470MHz~5725MHz	<input type="checkbox"/> With TDWR Channels			
	<input type="checkbox"/> Without TDWR Channels					
<input checked="" type="checkbox"/>	5725MHz~5850MHz					

1.2. Antenna information

Antenna Model	N/A					
Antenna Manufacturer	TPlink					
Antenna Delivery	<input checked="" type="checkbox"/>	1*TX+1*RX	<input type="checkbox"/>	2*TX+2*RX	<input type="checkbox"/>	3*TX+3*RX
Antenna Technology	<input checked="" type="checkbox"/>	SISO				
	<input type="checkbox"/>	MIMO	<input type="checkbox"/>	Basic methodology with NANT transmit antennas		
			<input type="checkbox"/>	Sectorized antenna systems		
			<input type="checkbox"/>	Cross-polarized antennas		
			<input type="checkbox"/>	Unequal antenna gains, with equal transmit powers		
			<input type="checkbox"/>	Spatial Multiplexing		
<input type="checkbox"/>	Cyclic Delay Diversity (CDD)					
Antenna Type	Dipole Antenna					
Antenna Gain	3dBi					

1.3. Working Frequency of Each Channel:

802.11a/n/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n/ac(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz	159	5795 MHz
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

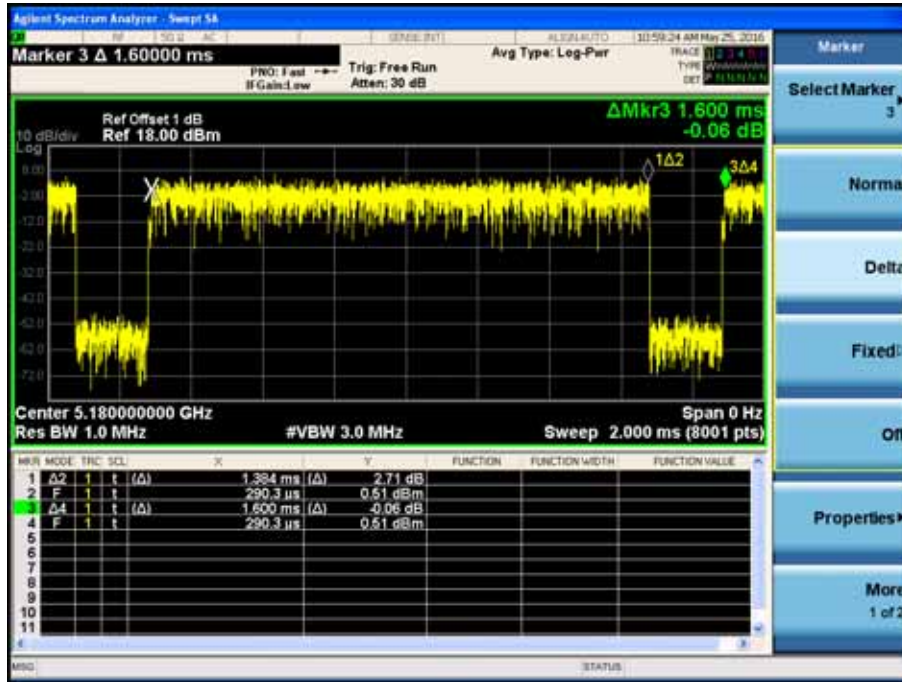
1.4. Power Parameter Value of the test software

Test Mode	Test Channel	Power Setting
802.11a	5180	25
	5220	40
	5240	24
	5745	40
	5785	40
	5825	40
802.11n(20MHz)	5180	24
	5220	40
	5240	24
	5745	40
	5785	40
	5825	40
802.11n(40MHz)	5190	16
	5230	26
	5755	34
	5795	35
802.11ac(20MHz)	5180	24
	5220	40
	5240	24
	5745	40
	5785	40
	5825	40
802.11ac(40MHz)	5190	15
	5230	26
	5755	32
	5795	34
802.11ac(80MHz)	5210	11
	5775	20

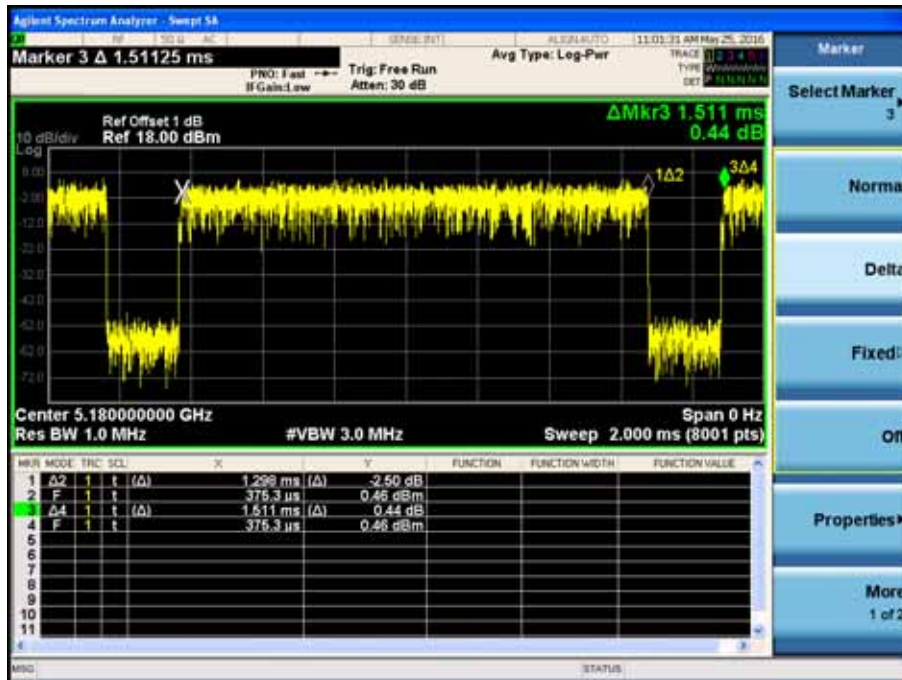
1.5. Duty Cycle

Test Mode	Duty Cycle
802.11a	86.50%
802.11n(20MHz)	85.90%
802.11n(40MHz)	76.21%
802.11ac(20MHz)	86.57%
802.11ac(40MHz)	76.37%
802.11ac(80MHz)	61.36%

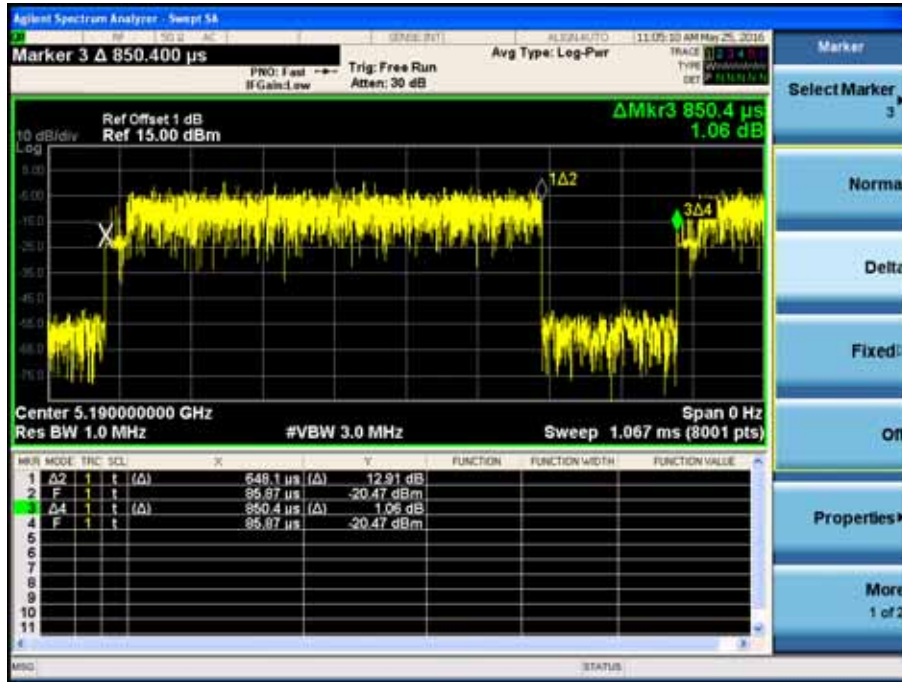
802.11a



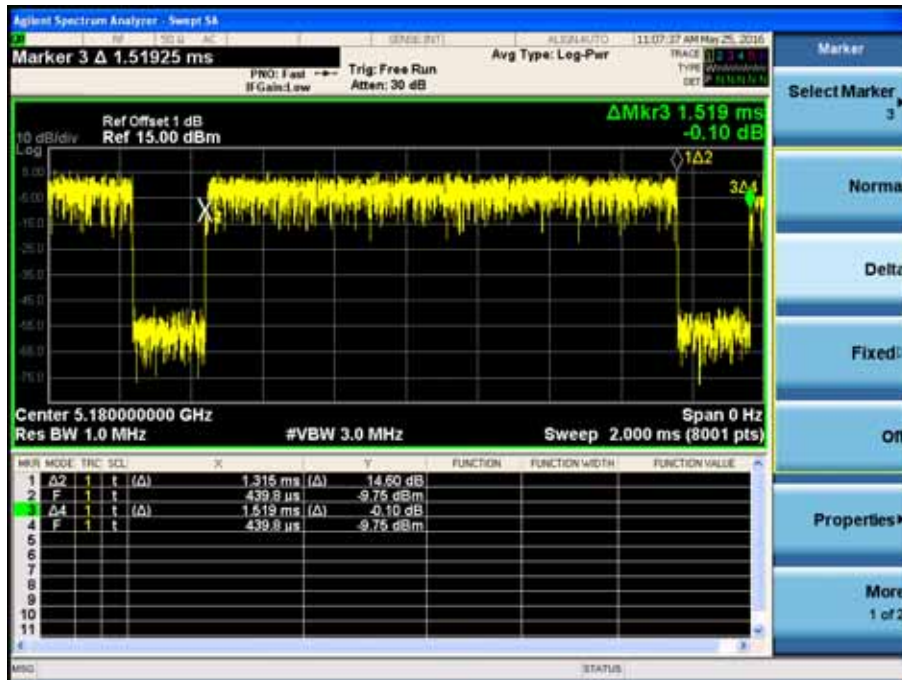
802.11n(20MHz)



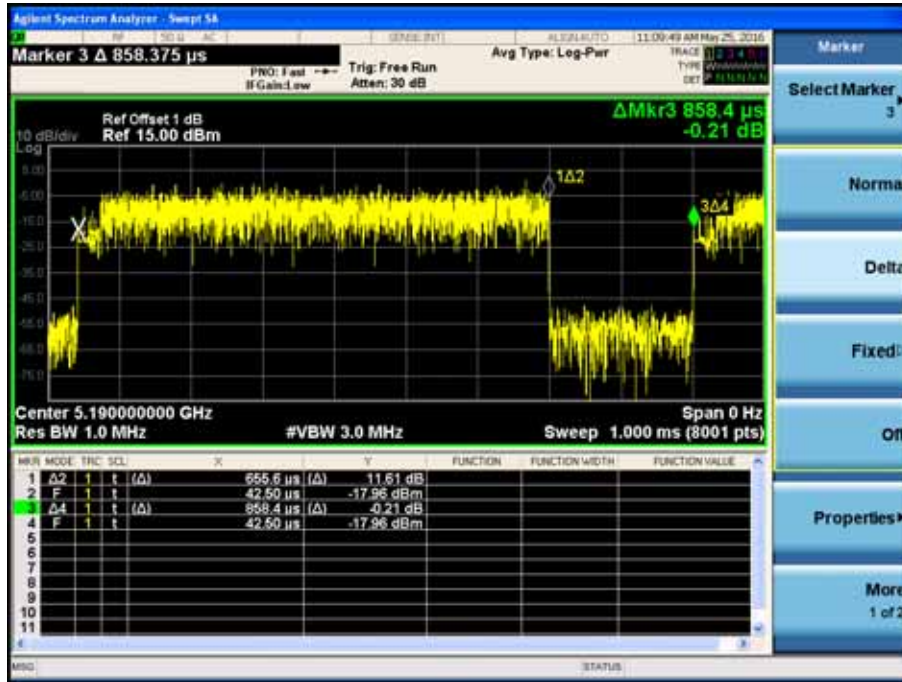
802.11n(40MHz)



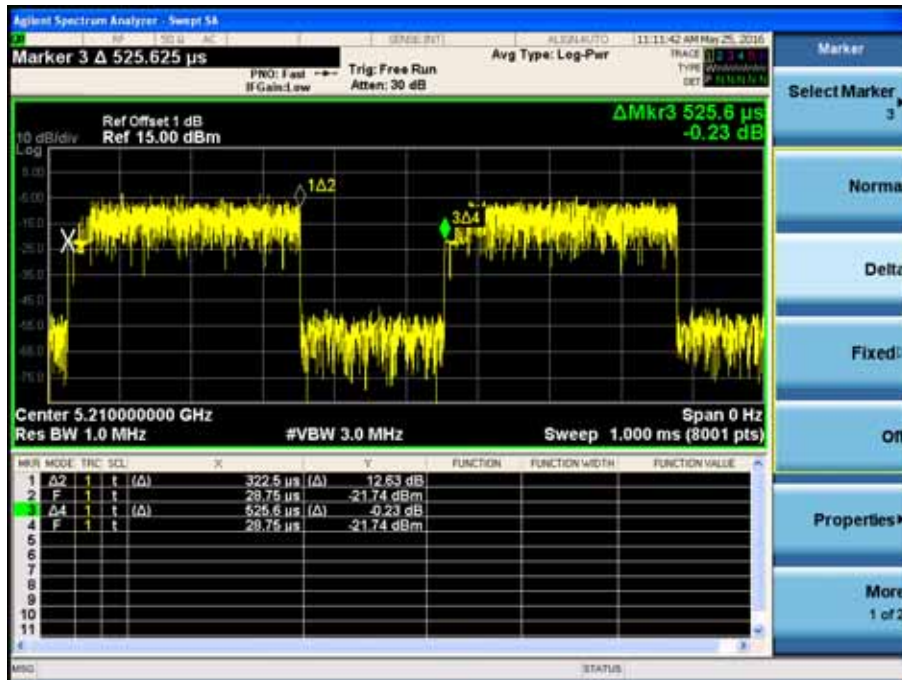
802.11ac(20MHz)



802.11ac(40MHz)



802.11ac(80MHz)



1.6. Mode of Operation

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

Test Mode
Mode 1: Transmit by 802.11a
Mode 2: Transmit by 802.11n(20MHz)
Mode 3: Transmit by 802.11n(40MHz)
Mode 4: Transmit by 802.11ac(20MHz)
Mode 5: Transmit by 802.11ac(40MHz)
Mode 6: Transmit by 802.11ac(80MHz)

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

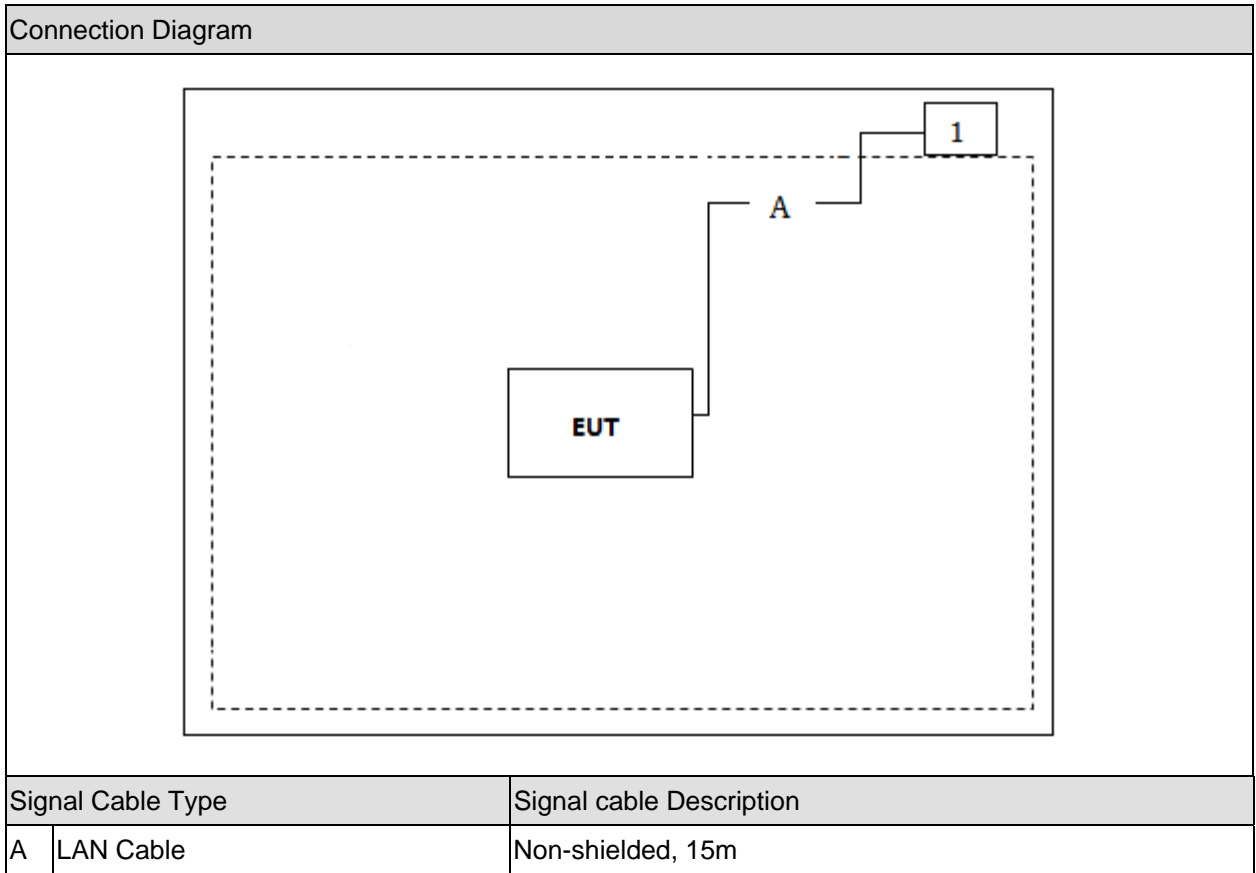
2: For portable device, radiated tests was verified over X, Y, Z axis, and shown the worst case on this report.

1.7. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded

1.8. Configuration of Tested System



1.9. EUT Exercise Software

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

2. Technical Test

2.1. Summary of Test Result

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

Performed Test Item	Normative References	Worse case mode	Limit	Result
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.207	802.11a	FCC 15.207	PASS
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.209	802.11ac(20MHz)	FCC 15.209	PASS
26dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	802.11a	FCC 15.407(a)	PASS
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	802.11ac(20MHz)	FCC 15.407(e)	PASS
Power Output	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	802.11ac(20MHz)	FCC 15.407(a)	PASS
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	802.11ac(20MHz)	FCC 15.407(a)	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.205, 15.407(b)	802.11n(40MHz)	FCC 15.407(b)	PASS
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(g)	5875MHz	Within the band	PASS

2.2. Test Environment

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

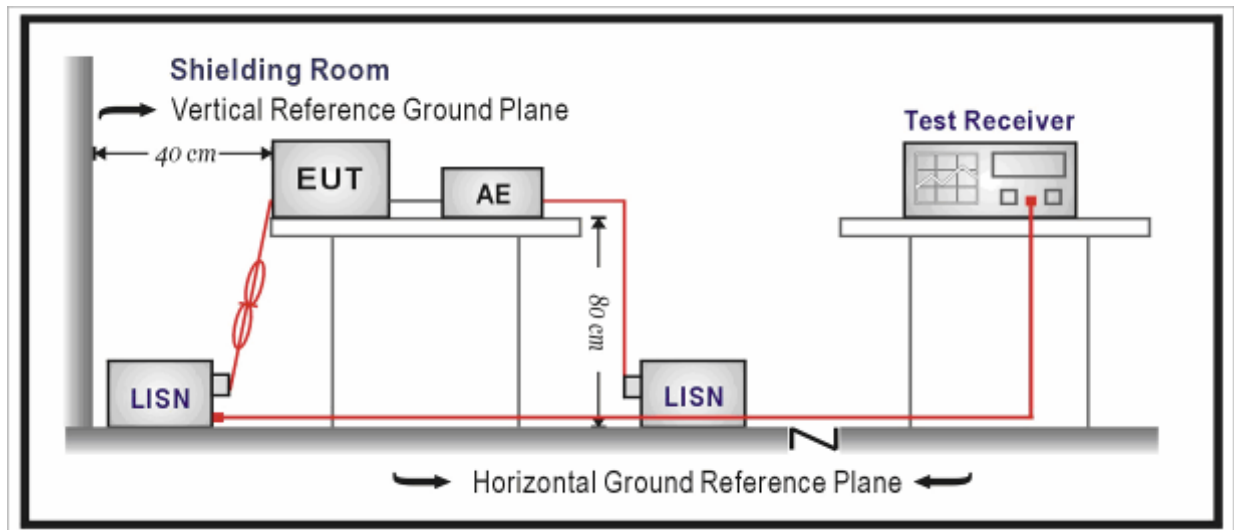
3. Conducted Emission

3.1. Test Equipment

Conducted Emission / SR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100726	2016.03.29	2017.03.28
Two-Line V-Network	R&S	ENV216	100043	2016.03.29	2017.03.28
Two-Line V-Network	R&S	ENV216	100044	2015.09.17	2016.09.16
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2016.03.02	2017.03.01
50ohm Termination	SHX	TF2	07081401	2015.09.17	2016.09.16
Temperature/Humidity Meter	zhichen	ZC1-2	SR8-TH	2016.01.09	2017.01.08

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

3.2. Test Setup



3.3. Limit

Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 – 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

Test Method			
	References Rule	Chapter	Item
<input checked="" type="checkbox"/>	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices
<input checked="" type="checkbox"/>	ANSI C63.4-2014	7	AC power-line conducted emission measurements

3.5. Uncertainty

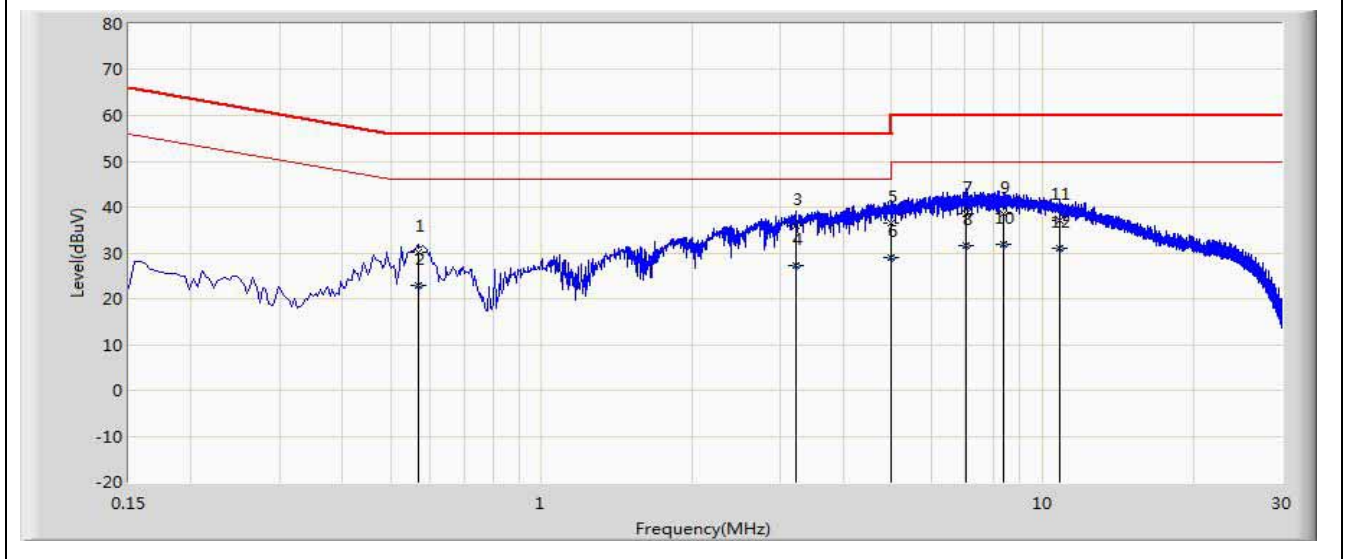
The measurement uncertainty is defined as ± 2.02 dB

3.6. Test Result

Product Name	: AC750 Wireless Dual Band Gigabit Router	Polarity	: Line
Test Item	: AC Power Line Conducted Emission	Power	: AC 120V/60Hz
Test Site	: TR1	Test Mode	: Mode 1

No	Frequency (MHz)	Measured Level (dB μ V)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V)	Probe (dB)	Cable (dB)	Type
1	0.566	30.080	20.250	-25.920	56.000	9.630	0.200	QP
2	0.566	23.010	13.180	-22.990	46.000	9.630	0.200	AV
3	3.222	35.809	25.959	-20.191	56.000	9.650	0.200	QP
4	3.222	27.198	17.348	-18.802	46.000	9.650	0.200	AV
5	4.974	36.584	26.714	-19.416	56.000	9.670	0.200	QP
6	4.974	28.844	18.974	-17.156	46.000	9.670	0.200	AV
7	7.018	38.454	28.554	-21.546	60.000	9.700	0.200	QP
8	7.018	31.705	21.805	-18.295	50.000	9.700	0.200	AV
9	8.362	38.451	28.541	-21.549	60.000	9.710	0.200	QP
10	8.362	31.892	21.982	-18.108	50.000	9.710	0.200	AV
11	10.834	37.145	27.205	-22.855	60.000	9.740	0.200	QP
12	10.834	30.948	21.008	-19.052	50.000	9.740	0.200	AV

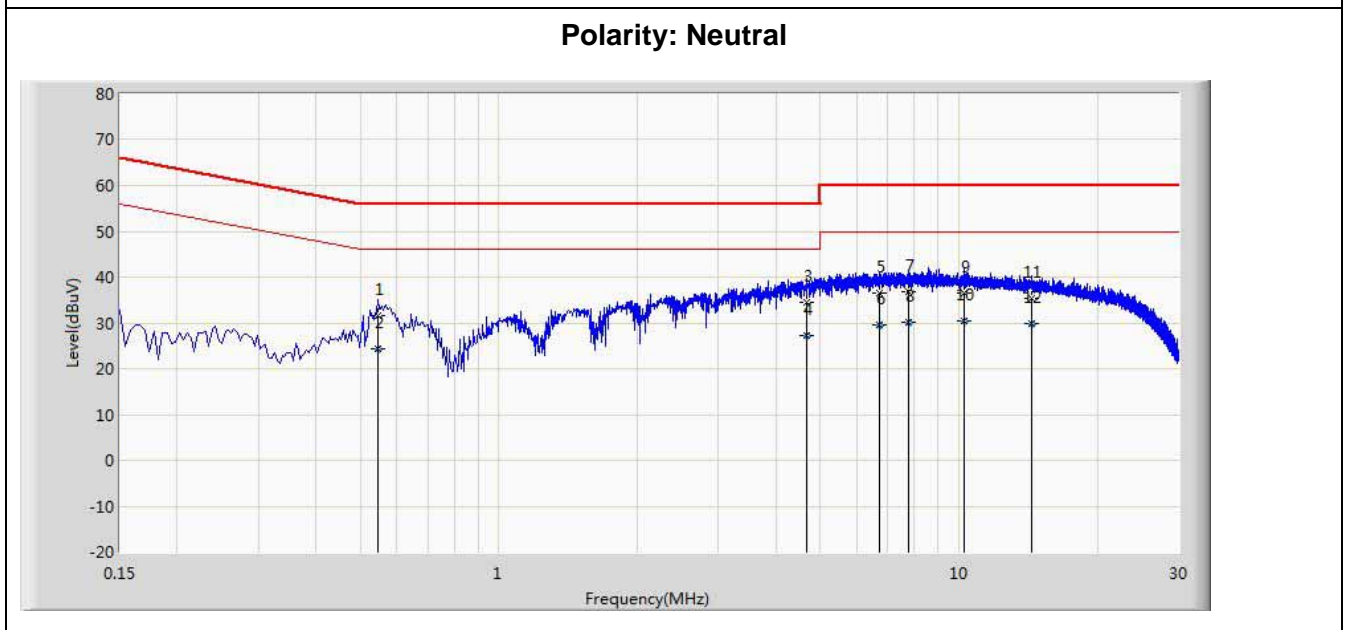
Polarity: Line



Product Name	: AC750 Wireless Dual Band Gigabit Router	Polarity	: Neutral
Test Item	: AC Power Line Conducted Emission	Power	: AC 120V/60Hz
Test Site	: TR1	Test Mode	: Mode 1

No	Frequency (MHz)	Measured Level (dB μ V)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V)	Probe (dB)	Cable (dB)	Type
1	0.546	31.572	21.742	-24.428	56.000	9.630	0.200	QP
2	0.546	24.290	14.460	-21.710	46.000	9.630	0.200	AV
3	4.666	34.595	24.725	-21.405	56.000	9.670	0.200	QP
4	4.666	27.186	17.316	-18.814	46.000	9.670	0.200	AV
5	6.698	36.618	26.728	-23.382	60.000	9.690	0.200	QP
6	6.698	29.511	19.621	-20.489	50.000	9.690	0.200	AV
7	7.746	36.774	26.874	-23.226	60.000	9.700	0.200	QP
8	7.746	30.258	20.358	-19.742	50.000	9.700	0.200	AV
9	10.258	36.557	26.617	-23.443	60.000	9.740	0.200	QP
10	10.258	30.473	20.533	-19.527	50.000	9.740	0.200	AV
11	14.414	35.438	25.208	-24.562	60.000	9.830	0.400	QP
12	14.414	29.819	19.589	-20.181	50.000	9.830	0.400	AV

Polarity: Neutral



4. Radiated Emission

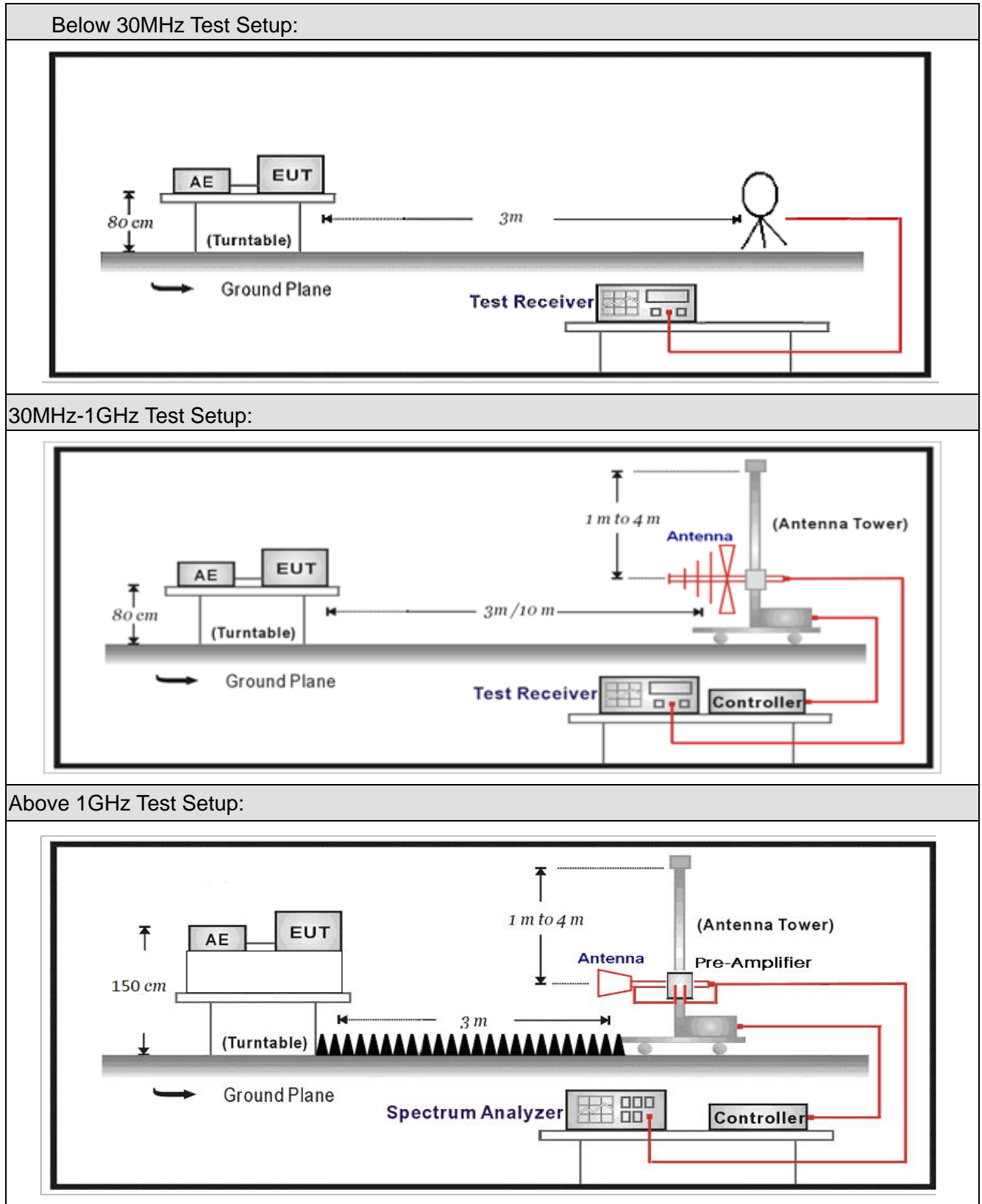
4.1. Test Equipment

Radiated Emission / CB-7					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2016.03.29	2017.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2015.11.18	2016.11.17
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2015.10.16	2016.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2016.03.02	2017.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2016.01.09	2017.01.08

Radiated Emission / CB-7					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.01.08	2017.01.07
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.06	2017.05.05
Preamplifier	Quietek	AP-040G	CHM-0906001	2016.05.06	2017.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2016.01.22	2017.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2015.11.25	2016.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2016.03.02	2017.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.06.10	2016.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2016.01.09	2017.01.08

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

4.2. Test Setup



4.3. Limit

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

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

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

FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

FCC 16-24-A1	
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5825	

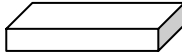
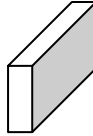
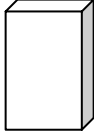
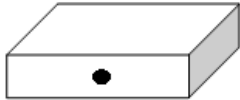

4.4. Test Procedure

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

4.5. Uncertainty

The measurement uncertainty above 1GHz is defined as ± 3.9 dB
 below 1GHz is defined as ± 3.8 dB

4.6. EUT test Axis definition

Item	Radiated Emission			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed position use		
	<input type="checkbox"/>	Mobile position use		
Test mode	Mode 1-6			
Test method	<input checked="" type="checkbox"/>	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis <input type="checkbox"/>	Worst Axis <input checked="" type="checkbox"/>	Worst Axis <input type="checkbox"/>
	<input type="checkbox"/>	Conducted		
	<input type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	
<input type="checkbox"/>	Chain 0	Chain 1	Chain 2	

				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>

4.7. Test Result

Mode1: Transmit by 802.11a									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	36	H	10360	32.3	15.3	47.6	54(Note3)	6.4	PK
		H	15540	24.8	22.3	47.1	54(Note3)	6.9	PK
		V	10360	32.6	15.3	47.9	54(Note3)	6.1	PK
		V	15540	23.3	22.3	45.6	54(Note3)	8.4	PK
	44	H	10401	31.5	18.7	50.2	54(Note3)	3.8	PK
		H	15594	20.9	27.5	48.4	54(Note3)	5.6	PK
		V	10401	31.7	18.7	50.4	54(Note3)	3.6	PK
		V	15603	20.1	27.5	47.6	54(Note3)	6.4	PK
	48	H	10486	33.1	17.2	50.3	54(Note3)	3.7	PK
		H	15720	20.1	26.4	46.5	54(Note3)	7.5	PK
		V	10486	33.2	17.2	50.4	54(Note3)	3.6	PK
		V	15713.5	20.4	26.4	46.8	54(Note3)	7.2	PK
	149	H	11490	31.2	19.2	50.4	54(Note3)	3.6	PK
		H	17235	24.1	24.3	48.4	54(Note3)	5.6	PK
		V	11490	34.1	19.2	53.3	54(Note3)	0.7	PK
		V	17235	23.9	24.3	48.2	54(Note3)	5.8	PK
	157	H	11565.5	29.3	22.4	51.7	54(Note3)	2.3	PK
		H	17362.5	23.2	25.8	49.0	54(Note3)	5.0	PK
		V	11565.5	30.6	22.4	53.0	54(Note3)	1.0	PK
		V	17345.5	24.3	25.8	50.1	54(Note3)	3.9	PK
	165	H	11650.5	26.9	23.2	50.1	54(Note3)	3.9	PK
		H	17475	23.5	25.9	49.4	54(Note3)	4.6	PK
		V	11650.5	29.8	23.2	53.0	54(Note3)	1.0	PK
		V	17475	23.0	25.9	48.9	54(Note3)	5.1	PK

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

Mode 2: Transmit by 802.11n(20MHz)									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	36	H	10360	31.6	15.3	46.9	54(Note3)	7.1	PK
		H	15540	23.7	22.3	46.0	54(Note3)	8.0	PK
		V	10360	32.1	15.3	47.4	54(Note3)	6.6	PK
		V	15540	24.5	22.3	46.8	54(Note3)	7.2	PK
	44	H	10401	30.1	18.7	48.8	54(Note3)	5.2	PK
		H	15603	21.1	27.5	48.6	54(Note3)	5.4	PK
		V	10401	32.2	18.7	50.9	54(Note3)	3.1	PK
		V	15603	19.4	27.5	46.9	54(Note3)	7.1	PK
	48	H	10477.5	32.8	17.2	50.0	54(Note3)	4.0	PK
		H	15722	20.3	26.4	46.7	54(Note3)	7.3	PK
		V	10486	33.4	17.2	50.6	54(Note3)	3.4	PK
		V	15713	21.3	26.4	47.7	54(Note3)	6.3	PK
	149	H	11490	32.4	19.2	51.6	54(Note3)	2.4	PK
		H	17235	23.8	24.3	48.1	54(Note3)	5.9	PK
		V	11489	29.0	19.2	48.2	54(Note3)	5.8	PK
		V	17235	23.9	24.3	48.2	54(Note3)	5.8	PK
	157	H	11574	28.9	22.4	51.3	54(Note3)	2.7	PK
		H	17345	23.2	25.8	49.0	54(Note3)	5.0	PK
		V	11574	29.5	22.4	51.9	54(Note3)	2.1	PK
		V	17345	24.1	25.8	49.9	54(Note3)	4.1	PK
165	H	11650	27.3	19.3	46.6	54(Note3)	7.4	PK	
	H	17475	24.1	24.3	48.4	54(Note3)	5.6	PK	
	V	11650.5	29.5	19.6	49.1	54(Note3)	4.9	PK	
	V	17475	24.6	24.3	48.9	54(Note3)	5.1	PK	

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

Mode 3: Transmit by 802.11n(40MHz)									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	38	H	10380	32.6	15.8	48.4	54(Note3)	5.6	PK
		H	15570	23.2	22.3	45.5	54(Note3)	8.5	PK
		V	10380	30.8	15.8	46.6	54(Note3)	7.4	PK
		V	15570	23.1	22.3	45.4	54(Note3)	8.6	PK
	46	H	10460.5	34.1	15.4	49.5	54(Note3)	4.5	PK
		H	15679.5	28.6	22.6	51.2	54(Note3)	2.8	PK
		V	10452	31.8	15.5	47.3	54(Note3)	6.7	PK
		V	15679.5	28.4	22.6	51.0	54(Note3)	3.0	PK
	151	H	11510	31.6	18.4	50.0	54(Note3)	4.0	PK
		H	17265	25.1	24.5	49.6	54(Note3)	4.4	PK
		V	11510	31.9	18.4	50.3	54(Note3)	3.7	PK
		V	17265	24.6	24.5	49.1	54(Note3)	4.9	PK
	159	H	11590	41.3	6.5	47.8	54(Note3)	6.2	PK
		H	17385	35.5	13.3	48.8	54(Note3)	5.2	PK
		V	11590	40.2	6.5	46.7	54(Note3)	7.3	PK
		V	17385	35.9	13.3	49.2	54(Note3)	4.8	PK

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

Mode 4: Transmit by 802.11ac(20MHz)									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	36	H	10360	31.9	15.3	47.2	54(Note3)	6.8	PK
		H	15540	24.0	22.3	46.3	54(Note3)	7.7	PK
		V	10360	32.0	15.3	47.3	54(Note3)	6.7	PK
		V	15540	24.3	22.3	46.6	54(Note3)	7.4	PK
	44	H	10401	29.7	18.7	48.4	54(Note3)	5.6	PK
		H	15603	20.7	27.5	48.2	54(Note3)	5.8	PK
		V	10401	32.9	18.7	51.6	54(Note3)	2.4	PK
		V	15603	20.3	27.5	47.8	54(Note3)	6.2	PK
	48	H	10477.5	32.5	17.2	49.7	54(Note3)	4.3	PK
		H	15722	20.4	26.4	46.8	54(Note3)	7.2	PK
		V	10486	32.7	17.2	49.9	54(Note3)	4.1	PK
		V	15713	20.6	26.4	47.0	54(Note3)	7.0	PK
	149	H	11490	32.7	19.2	51.9	54(Note3)	2.1	PK
		H	17235	23.5	24.3	47.8	54(Note3)	6.2	PK
		V	11489	28.7	19.2	47.9	54(Note3)	6.1	PK
		V	17235	23.3	24.3	47.6	54(Note3)	6.4	PK
	157	H	11574	29.8	22.4	52.2	54(Note3)	1.8	PK
		H	17345	24.0	25.8	49.8	54(Note3)	4.2	PK
		V	11574	29.9	22.4	52.3	54(Note3)	1.7	PK
		V	17345	22.9	25.8	48.7	54(Note3)	5.3	PK
	165	H	11650	27.6	19.3	46.9	54(Note3)	7.1	PK
		H	17475	24.6	24.3	48.9	54(Note3)	5.1	PK
		V	11650.5	30.1	19.6	49.7	54(Note3)	4.3	PK
		V	17475	23.9	24.3	48.2	54(Note3)	5.8	PK

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

Mode5: Transmit by 802.11ac(40MHz)									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measured Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	38	H	10380	31.5	15.8	47.3	54(Note3)	6.7	PK
		H	15570	22.4	22.3	44.7	54(Note3)	9.3	PK
		V	10380	31.1	15.8	46.9	54(Note3)	7.1	PK
		V	15570	23.4	22.3	45.7	54(Note3)	8.3	PK
	46	H	10460.5	33.1	15.4	48.5	54(Note3)	5.5	PK
		H	15679.5	28.1	22.6	50.7	54(Note3)	3.3	PK
		V	10452	31.5	15.5	47.0	54(Note3)	7.0	PK
		V	15679.5	29.0	22.6	51.6	54(Note3)	2.4	PK
	151	H	11510	31.0	18.4	49.4	54(Note3)	4.6	PK
		H	17265	25.1	24.5	49.6	54(Note3)	4.4	PK
		V	11510	32.4	18.4	50.8	54(Note3)	3.2	PK
		V	17265	24.8	24.5	49.3	54(Note3)	4.7	PK
	159	H	11590	41.7	6.5	48.2	54(Note3)	5.8	PK
		H	17385	36.4	13.3	49.7	54(Note3)	4.3	PK
		V	11590	40.6	6.5	47.1	54(Note3)	6.9	PK
		V	17385	35.9	13.3	49.2	54(Note3)	4.8	PK

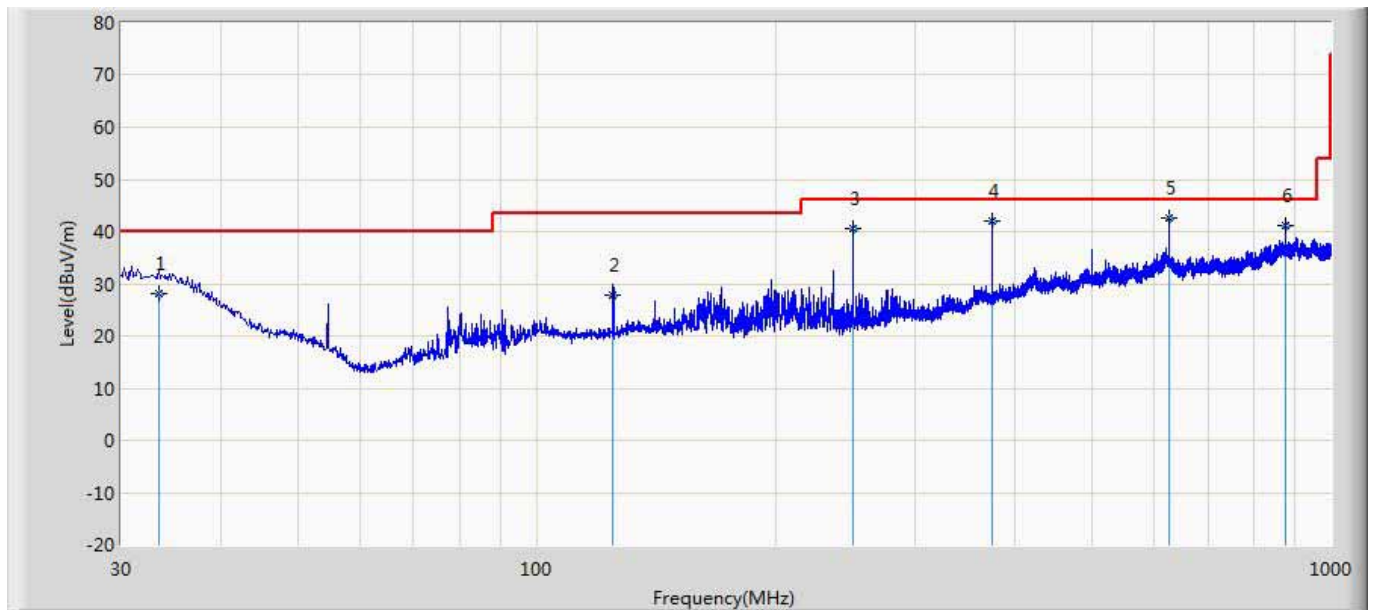
1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, 18GHz~40GHz, both of the worst case are at least 6dB below the limits, therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit,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

Mode6: Transmit by 802.11ac(80MHz)									
Chain	CH	Antenna Polarity	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	MeasuredLevel (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
Ant 0	42	H	10420	33.7	15.6	49.3	54(Note3)	4.7	PK
		H	15630	27.9	22.9	50.8	54(Note3)	3.2	PK
		V	10420	31.1	15.5	46.6	54(Note3)	7.4	PK
		V	15630	28.5	22.7	51.2	54(Note3)	2.8	PK
	155	H	11550	31.7	17.7	49.4	54(Note3)	4.6	PK
		H	17325	24.5	24.8	49.3	54(Note3)	4.7	PK
		V	11550	31.9	17.6	49.5	54(Note3)	4.5	PK
		V	17325	24.6	24.5	49.1	54(Note3)	4.9	PK

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

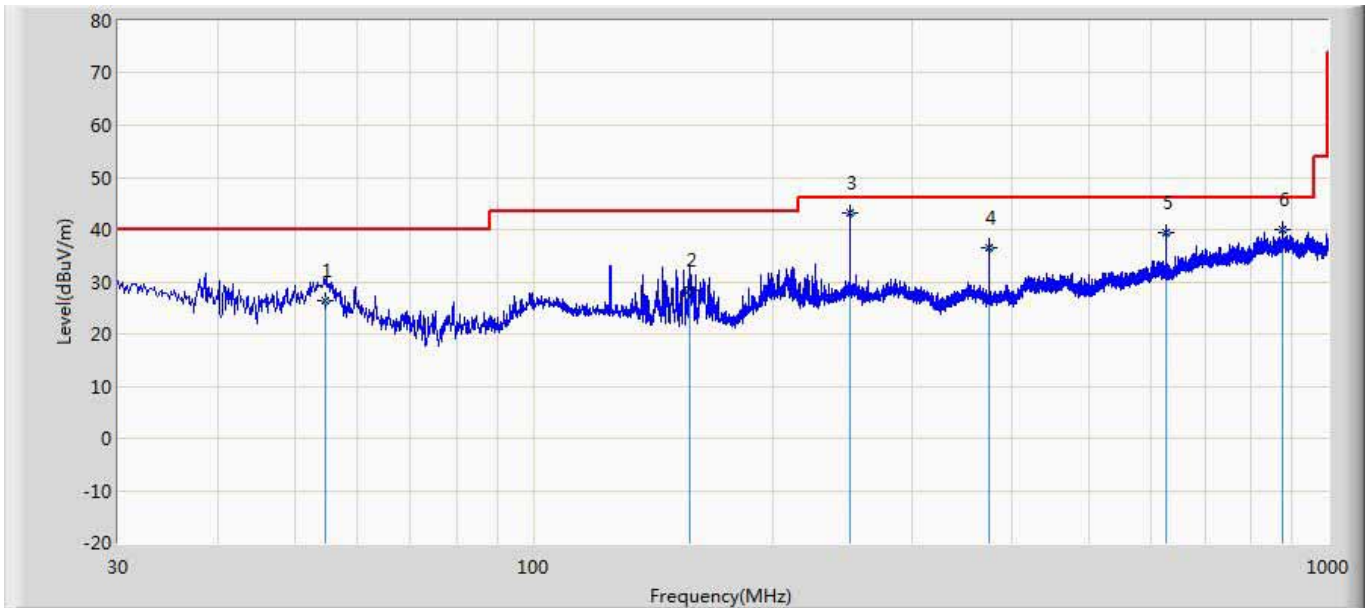
The worst case of Radiated Emission below 1GHz:

Site: AC2	Time: 2016/01/18
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC5_CBL6112_0726	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		33.428	28.065	33.764	-11.935	40.000	16.812	0.630	23.141	100	0	QP
2		124.596	27.779	37.440	-15.721	43.500	12.224	1.205	23.090	300	32	QP
3		249.764	40.556	49.608	-5.444	46.000	12.578	1.700	23.330	200	350	QP
4		374.851	42.107	47.636	-3.893	46.000	15.346	2.125	23.000	100	47	QP
5	*	625.217	42.487	43.281	-3.513	46.000	19.000	2.740	22.534	200	308	QP
6		875.152	41.090	40.039	-4.910	46.000	20.451	3.260	22.660	100	53	QP

Site: AC2	Time: 2016/01/18
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC5_CBL6112_0726	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		54.796	26.268	41.097	-13.732	40.000	7.385	0.806	23.020	200	2	QP
2		157.265	28.454	40.050	-15.046	43.500	10.064	1.360	23.020	100	107	QP
3	*	249.765	43.330	52.382	-2.670	46.000	12.578	1.700	23.330	100	165	QP
4		375.216	36.441	41.957	-9.559	46.000	15.355	2.129	23.000	200	136	QP
5		624.831	39.368	40.166	-6.632	46.000	19.000	2.740	22.538	102	360	QP
6		875.217	39.916	38.865	-6.084	46.000	20.451	3.260	22.660	200	311	QP

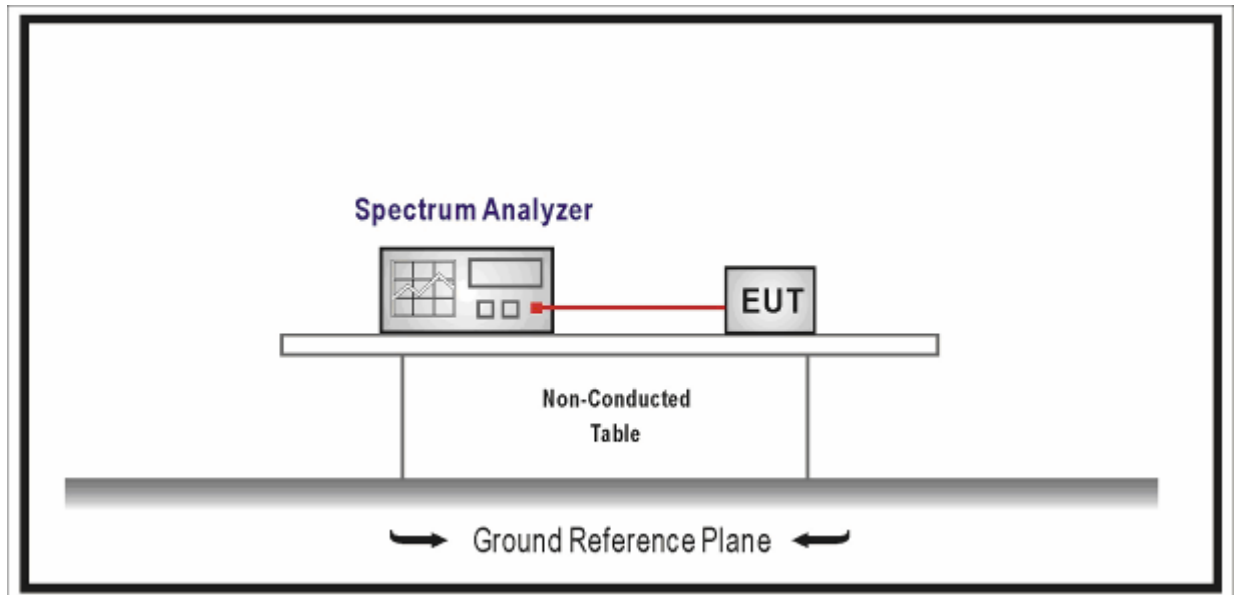
5. Emission bandwidth and occupied bandwidth

5.1. Test Equipment

Emission bandwidth and occupied bandwidth / NO.3					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

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

5.2. Test Setup



5.3. Limit

N/A

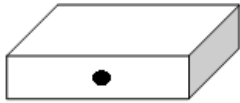


5.4. Test Procedure

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

5.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

5.6. EUT test Axis definition

Item	Occupied bandwidth			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1 ~ Mode 6			
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	
	<input type="checkbox"/>	Chain 0	Chain 1	Chain 2
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>

5.7. Test Result

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
36	5180	17.152	5171.424	Pass
44	5220	26.502	N/A	Pass
48	5240	18.732	5249.366	Pass
149	5745	26.267	N/A	Pass
157	5785	25.906	N/A	Pass
165	5825	26.537	N/A	Pass

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

Mode 1 CH36 (5180MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
36	5180	39.33	Pass
44	5220	59.26	Pass
48	5240	38.35	Pass
149	5745	69.30	Pass
157	5785	67.17	Pass
165	5825	68.32	Pass

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

Mode 1 CH36 (5180MHz)



Product	: AC750 Wireless Dual Band Gigabit Router
Test Item	: Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 2: Transmit by 802.11n(20MHz)

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
36	5180	17.825	5171.0875	Pass
44	5220	26.054	N/A	Pass
48	5240	19.250	5249.625	Pass
149	5745	26.351	N/A	Pass
157	5785	26.454	N/A	Pass
165	5825	26.261	N/A	Pass

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

Mode 2 CH36 (5180MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
36	5180	39.40	Pass
44	5220	62.17	Pass
48	5240	39.65	Pass
149	5745	68.13	Pass
157	5785	67.83	Pass
165	5825	68.53	Pass

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

Mode 2 CH36 (5180MHz)



Product	: AC750 Wireless Dual Band Gigabit Router
Test Item	: Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 3: Transmit by 802.11n(40MHz)

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
38	5190	36.142	5171.929	Pass
46	5230	37.930	5248.965	Pass
151	5755	51.539	N/A	Pass
159	5795	51.082	N/A	Pass

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

Mode 3 CH38 (5190MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
38	5190	42.57	Pass
46	5230	91.03	Pass
151	5755	128.10	Pass
159	5795	128.40	Pass

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

Mode 3 CH38 (5190MHz)



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Occupied Bandwidth
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz)

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
36	5180	17.800	5171.100	Pass
44	5220	26.079	N/A	Pass
48	5240	18.500	5249.250	Pass
149	5745	26.102	N/A	Pass
157	5785	26.466	N/A	Pass
165	5825	26.341	N/A	Pass

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

Mode 4 CH36 (5180MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
36	5180	41.24	Pass
44	5220	59.28	Pass
48	5240	45.98	Pass
149	5745	65.60	Pass
157	5785	66.27	Pass
165	5825	68.86	Pass

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

Mode 4 CH36 (5180MHz)



Product	: AC750 Wireless Dual Band Gigabit Router
Test Item	: Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 5: Transmit by 802.11ac(40MHz)

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
38	5190	36.137	5171.9315	Pass
46	5230	38.077	5249.0385	Pass
151	5755	50.958	N/A	Pass
159	5795	50.549	N/A	Pass

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

Mode 5 CH38 (5190MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
38	5190	42.08	Pass
46	5230	91.20	Pass
151	5755	114.2	Pass
159	5795	114.1	Pass

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

Mode 5 CH38 (5190MHz)

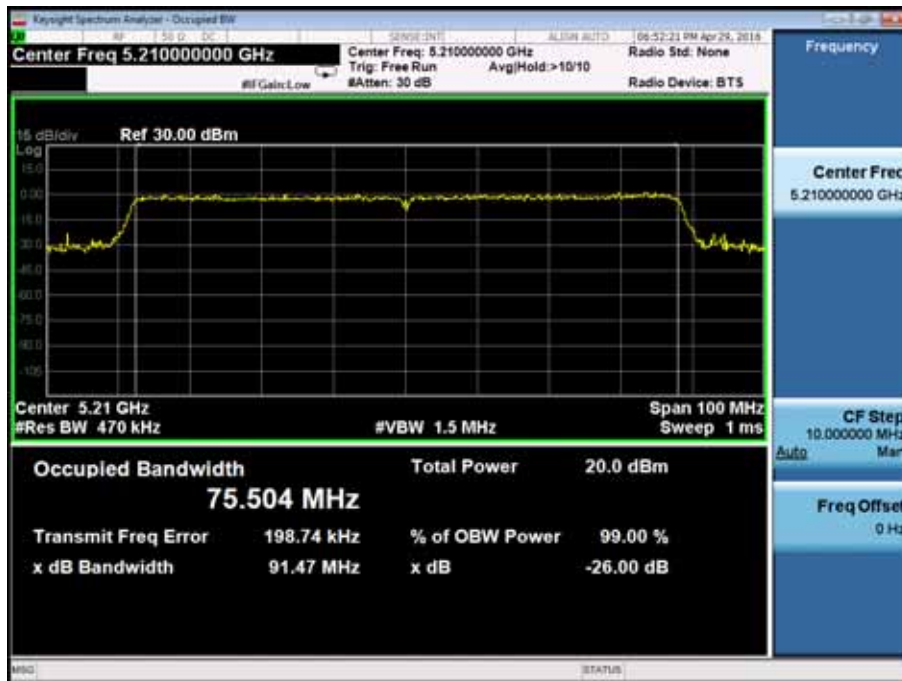


Product	: AC750 Wireless Dual Band Gigabit Router
Test Item	: Occupied Bandwidth
Test Site	: TR-8
Test Mode	: Mode 6: Transmit by 802.11ac(80MHz)

Channel No.	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Lower/Higher Frequency (MHz)	Result
42	5210	75.504	5172.248/ 5247.752	Pass
155	5775	75.854	N/A	Pass

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

Mode 6 CH42 (5210MHz)



Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	Result
42	5210	90.13	Pass
155	5775	198.00	Pass

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

Mode 6 CH42 (5210MHz)



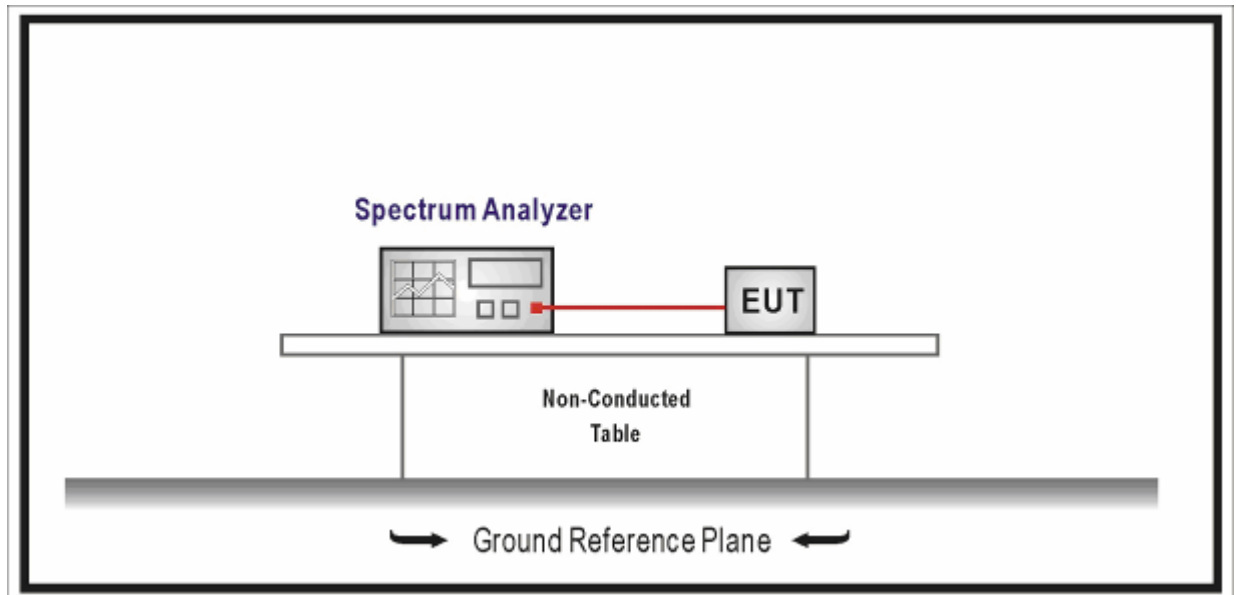
6. 6dB bandwidth

6.1. Test Equipment

Emission bandwidth and occupied bandwidth / NO.3					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

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

6.2. Test Setup



6.3. Limit

>500kHz

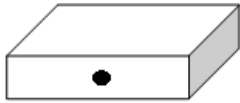
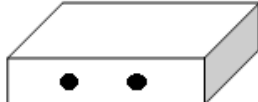
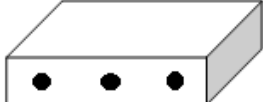
6.4. Test Procedure

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

6.5. Uncertainty

The measurement uncertainty is defined as ± 1 kHz

6.6. EUT test Axis definition

Item	Occupied bandwidth			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1 ~ Mode 6			
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	
	<input type="checkbox"/>	Chain 0	Chain 1	Chain 2
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>

6.7. Test Result

Product	: AC750 Wireless Dual Band Gigabit Router
Test Item	: 6dB Bandwidth
Test Site	: TR-8
Test Mode	: Mode 1~6

Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (kHz)	Result
1	149	5745	16.41	>500	Pass
	157	5785	16.40		Pass
	165	5825	16.39		Pass
2	149	5745	17.19		Pass
	157	5785	17.54		Pass
	165	5825	16.78		Pass
3	151	5755	36.30		Pass
	159	5795	36.18		Pass
4	149	5745	17.62		Pass
	157	5785	17.17		Pass
	165	5825	17.35		Pass
5	151	5755	36.17		Pass
	159	5795	36.22		Pass
6	155	5775	76.08		Pass

The worst case of 6dB Bandwidth as below:

Mode 1 CH165 (5825MHz)



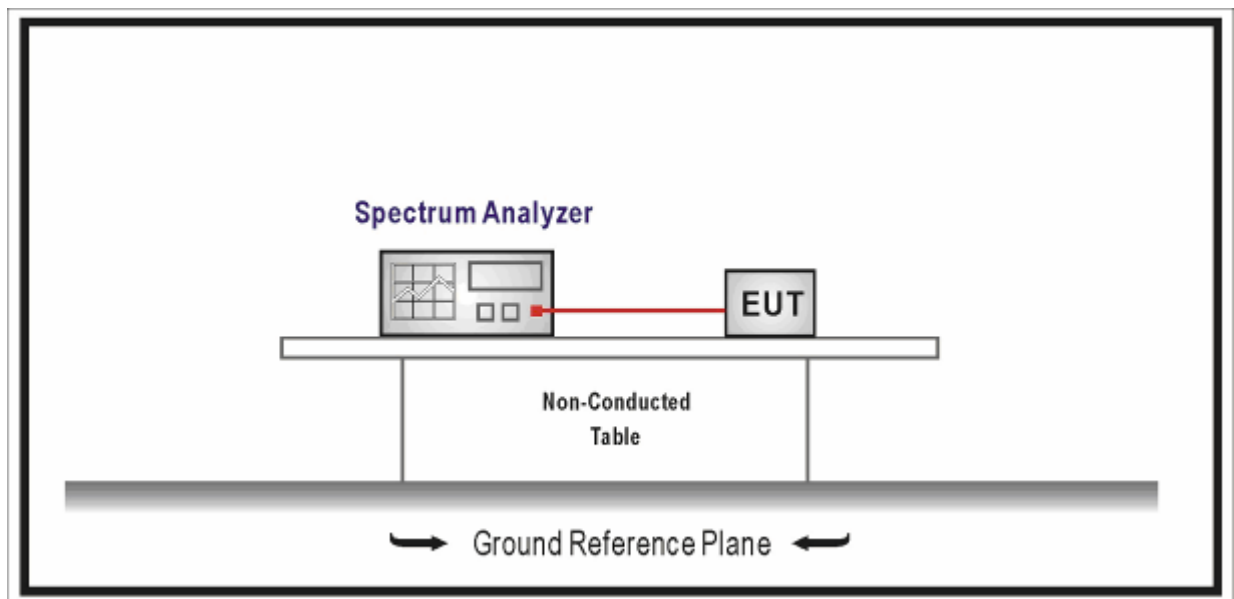
7. Power Output

7.1. Test Equipment

Power Output / NO.3					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Power Sensor	Anritsu	MA2411B	0846014	2016.11.11	2016.11.10
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

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

7.2. Test Setup



7.3. Limit

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

7.4. Test Procedure


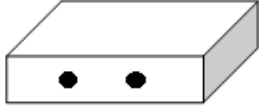

Fundamental emission output power Test Method				
	References Rule		Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10		12.3	Maximum conducted output power
	<input checked="" type="checkbox"/>	ANSI C63.10	12.3.2	Maximum conducted output power measurement using a spectrum analyzer (SA)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

	<input type="checkbox"/>	FCC KDB 789033 D02v01r02	E.2.f	Method SA-3 (RMS detection with max hold)
		FCC KDB 789033 D02v01r02	E.2.g	Method SA-3 Alternative (Reduced VBW with max hold)
	<input type="checkbox"/>	FCC KDB 789033 D02v01r02	E.3	Measurement using a Power Meter (PM)
	<input type="checkbox"/>	FCC KDB 789033 D02v01r02	E.3.a	Method PM (Measurement using an RF average power meter)
		FCC KDB 789033 D02v01r02	E.3.b	Method PM-G (Measurement using a gated RF average power meter)

7.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

7.6. EUT test Axis definition

Item	Power Output			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1 ~ Mode 6			
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
	<input type="checkbox"/>	Chain 0	Chain 1	Chain 2
				

7.7. Test Result

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	FCC Limit (dBm)	Result
36	5180	18.02	30.0	Pass
44	5220	21.42	30.0	Pass
48	5240	18.27	30.0	Pass
149	5745	20.19	30.0	Pass
157	5785	19.72	30.0	Pass
165	5825	19.76	30.0	Pass

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	FCC Limit (dBm)	Result
36	5180	17.65	30.0	Pass
44	5220	21.34	30.0	Pass
48	5240	18.43	30.0	Pass
149	5745	20.04	30.0	Pass
157	5785	19.69	30.0	Pass
165	5825	19.73	30.0	Pass

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	FCC Limit (dBm)	Result
38	5190	14.65	30.0	Pass
46	5230	18.62	30.0	Pass
151	5755	19.06	30.0	Pass
159	5795	18.94	30.0	Pass

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	FCC Limit (dBm)	Result
36	5180	17.64	30.0	Pass
44	5220	21.43	30.0	Pass
48	5240	18.31	30.0	Pass
149	5745	20.05	30.0	Pass
157	5785	19.61	30.0	Pass
165	5825	19.75	30.0	Pass

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11ac(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	FCC Limit (dBm)	Result
38	5190	14.21	30.0	Pass
46	5230	18.65	30.0	Pass
151	5755	18.64	30.0	Pass
159	5795	18.72	30.0	Pass

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Power Output
Test Site	:	TR-8
Test Mode	:	Mode 6: Transmit by 802.11ac(80MHz)

Channel No.	Frequency (MHz)	Measurement Power Output (dBm)	Duty Factor	Total Power (dBm)	FCC Limit (dBm)	Result
42	5210	13.28	2.12	15.40	30.0	Pass
155	5775	15.38	2.12	17.50	30.0	Pass

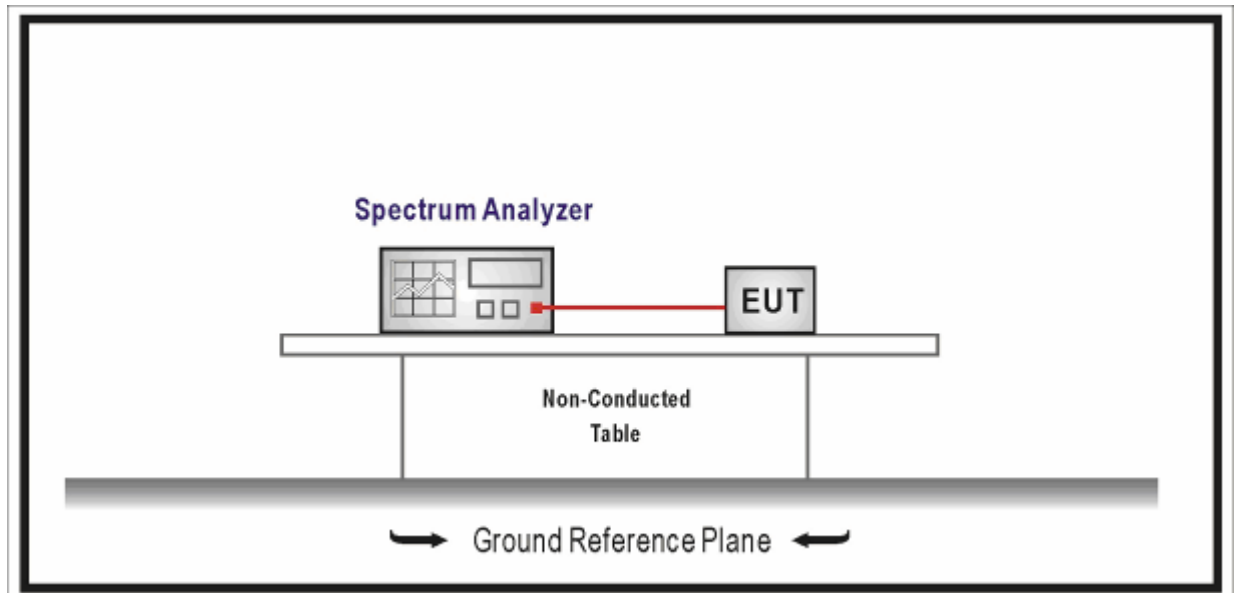
8. Peak Power Spectral Density

8.1. Test Equipment

Peak Power Spectral Density / NO.3					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2016.04.10	2017.04.09

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

8.2. Test Setup



8.3. Limit

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

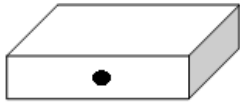
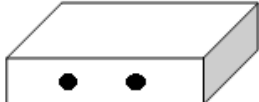
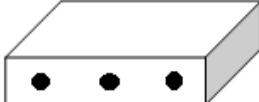
8.4. Test Procedure

Fundamental emission output power Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	12.5	Peak power spectral density
<input checked="" type="checkbox"/>	FCC KDB 789033 D02v01r02	F	Maximum Power Spectral Density (PSD)

8.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

8.6. EUT test Axis definition

Item	Peak power spectral density			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1 ~ Mode 6			
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	
	<input type="checkbox"/>	Chain 0	Chain 1	Chain 2
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>

8.7. Test Result

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 1: Transmit by 802.11a

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180	6.175	0.63	6.805	17.0	Pass
44	5220	9.349	0.63	9.979	17.0	Pass
48	5240	9.265	0.63	9.895	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	5.079	0.63	5.709	30.0	Pass
157	5785	5.084	0.63	5.714	30.0	Pass
165	5825	5.396	0.63	6.026	30.0	Pass

Test plot example:



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 2: Transmit by 802.11n(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180	6.203	0.66	6.863	17.0	Pass
44	5220	9.122	0.66	9.782	17.0	Pass
48	5240	9.445	0.66	10.105	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	4.937	0.66	5.597	30.0	Pass
157	5785	5.321	0.66	5.981	30.0	Pass
165	5825	5.531	0.66	6.191	30.0	Pass

Test plot example:



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 3: Transmit by 802.11n(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
38	5190	-0.005	1.18	1.175	17.0	Pass
46	5230	5.124	1.18	6.304	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	1.370	1.18	2.550	30.0	Pass
159	5795	1.981	1.18	3.161	30.0	Pass

Test plot example:



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 4: Transmit by 802.11ac(20MHz)

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180	5.894	0.63	6.524	17.0	Pass
44	5220	9.134	0.63	9.764	17.0	Pass
48	5240	9.269	0.63	9.899	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	5.157	0.63	5.787	30.0	Pass
157	5785	5.009	0.63	5.639	30.0	Pass
165	5825	5.626	0.63	6.256	30.0	Pass

Test plot example:



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 5: Transmit by 802.11ac(40MHz)

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
38	5190	-0.515	1.17	0.655	17.0	Pass
46	5230	5.362	1.17	6.532	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	0.976	1.17	2.146	30.0	Pass
159	5795	1.371	1.17	2.541	30.0	Pass

Test plot example:



Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Peak Power Spectral Density
Test Site	:	TR-8
Test Mode	:	Mode 6: Transmit by 802.11ac(80MHz)

Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/MHz)	Duty Factor	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
42	5210	-4.497	2.12	-2.377	17.0	Pass
Channel No.	Frequency (MHz)	Measurement Power Spectral Density (dBm/500kHz)	Duty Factor	Total PPSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
155	5775	-5.522	2.12	-3.402	30.0	Pass

Test plot example:



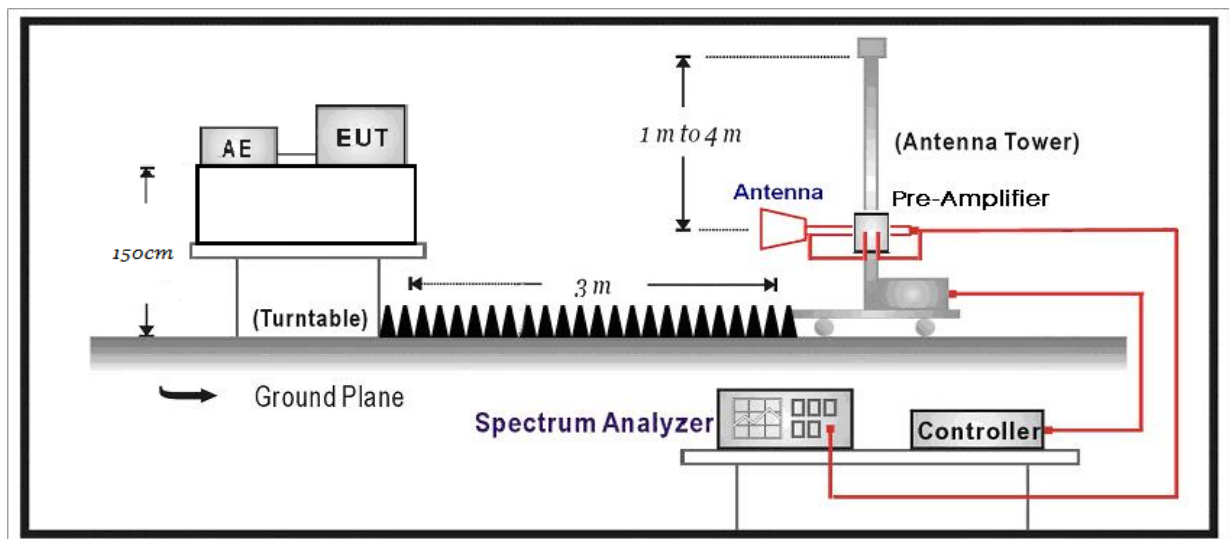
9. Radiated Emission Band Edge

9.1. Test Equipment

Radiated Emission Band Edge / CB-7					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.03.11	2017.03.10
Preamplifier	Miteq	NSP1800-25	1364185	2016.05.04	2017.05.03
Preamplifier	QuieTek	AP-040G	CHM-0906001	2016.05.04	2017.05.03
Bilog Antenna	Teseq GmbH	CBL6112D	27612	2015.10.16	2016.10.15
DRG Horn	ETS-Lindgren	3117	00123988	2016.01.08	2017.01.07
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2016.03.02	2017.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2016.03.02	2017.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2015.06.10	2016.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2016.01.09	2017.01.08

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

9.2. Test Setup



9.3. Limit

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

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

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

FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 – 16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975 – 12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675 – 12.57725	322 – 335.4	3600 – 4400	
13.36 – 13.41			

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

FCC 16-24-A1	
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5825	<p>U-NII-3 band (5725-5850 MHz)</p>

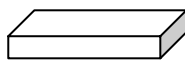
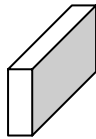
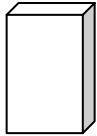
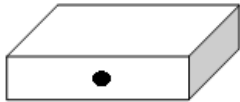
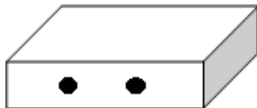
9.4. Test Procedure

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

9.5. Uncertainty

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

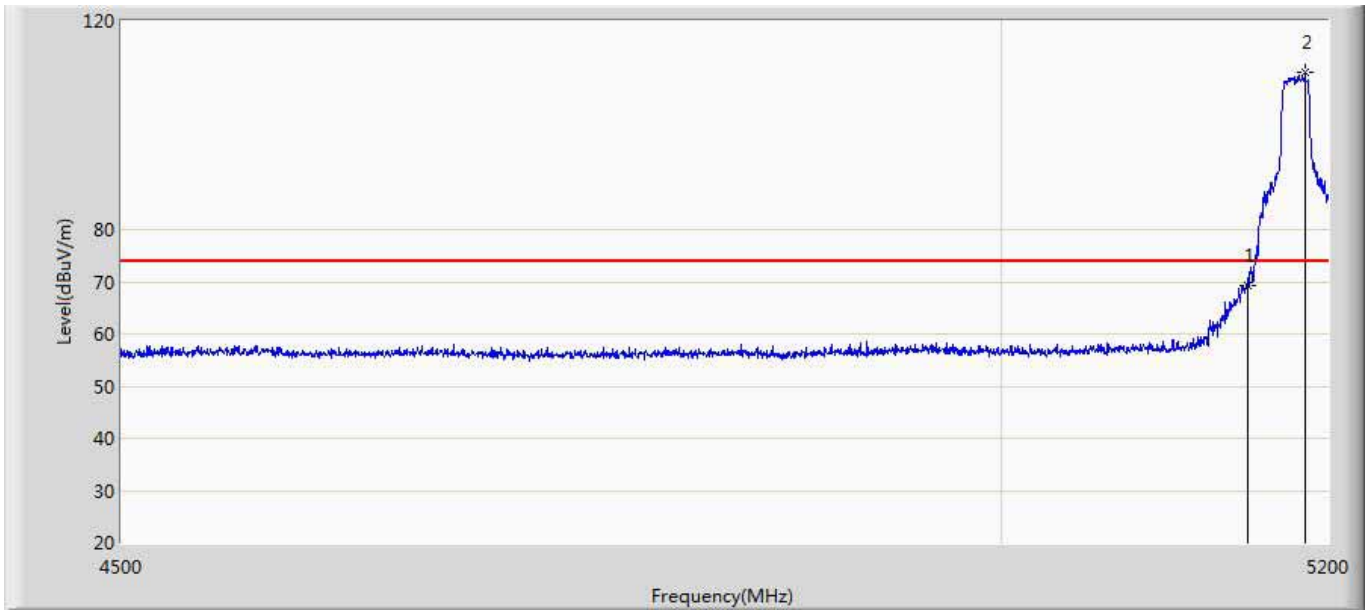
9.6. EUT test Axis definition

Item	Emissions in non-restricted frequency bands			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1-6			
Test method	<input checked="" type="checkbox"/>	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis <input type="checkbox"/>	Worst Axis <input checked="" type="checkbox"/>	Worst Axis <input type="checkbox"/>
	<input type="checkbox"/>	Conducted		
	<input type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	
<input type="checkbox"/>	Chain 0	Chain 1	Chain 2	

				
		Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>	Worst Chain <input type="checkbox"/>

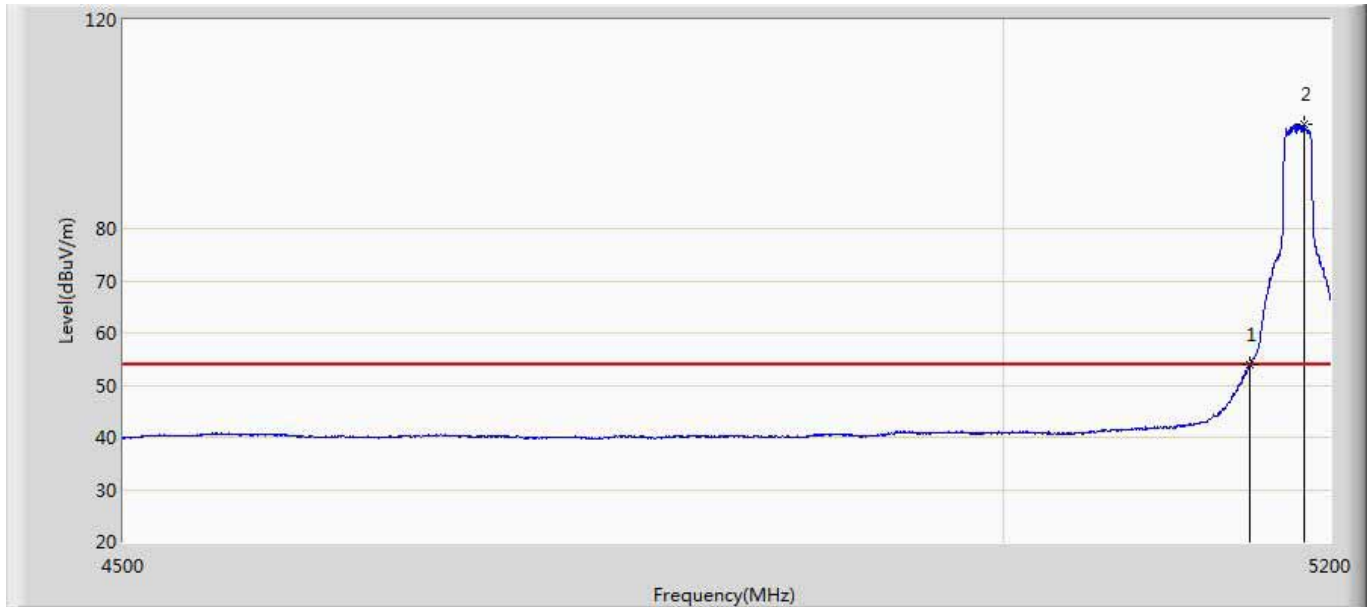
9.7. Test Result

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a	



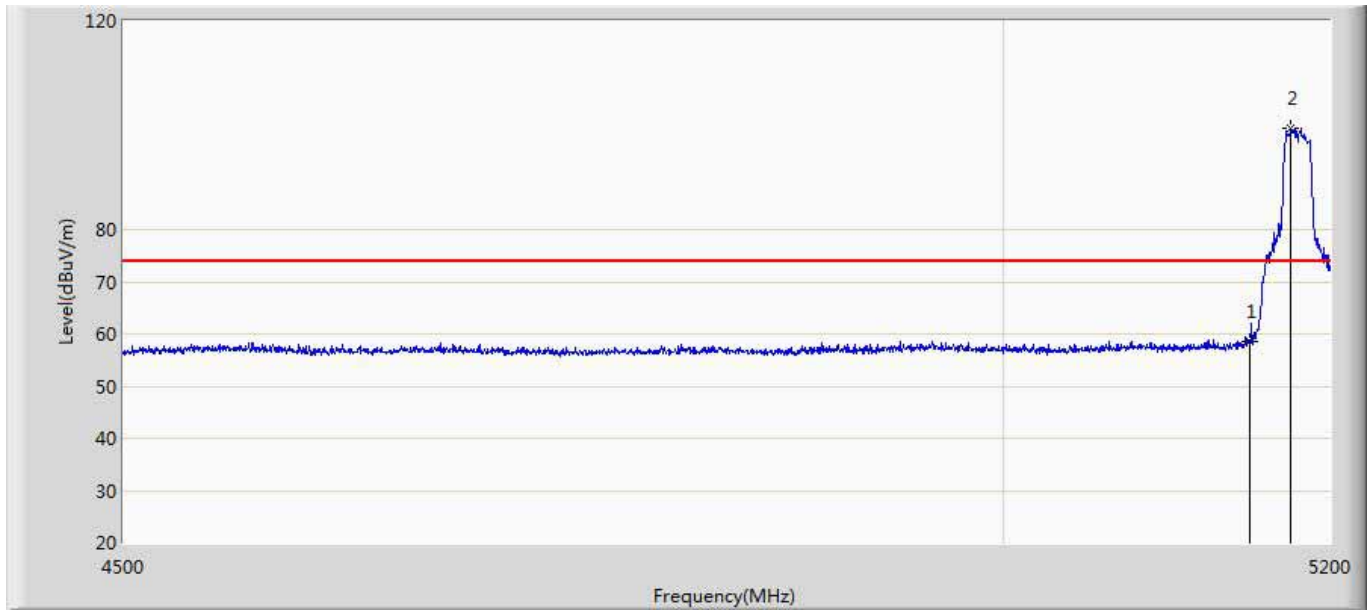
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	69.339	27.324	-4.661	74.000	42.015	PK
2	*	5186.000	110.081	67.961	N/A	N/A	42.120	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 09:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a	



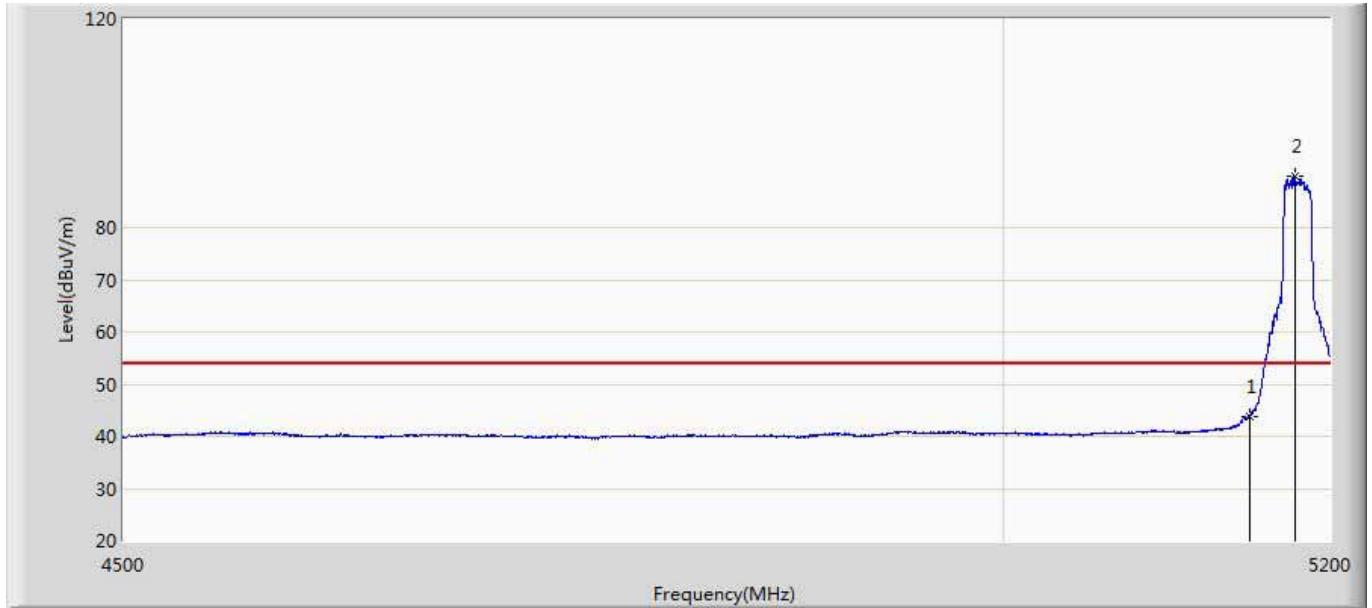
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.779	11.764	-0.221	54.000	42.015	AV
2	*	5183.550	100.040	57.905	N/A	N/A	42.136	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5180MHz by 802.11a	



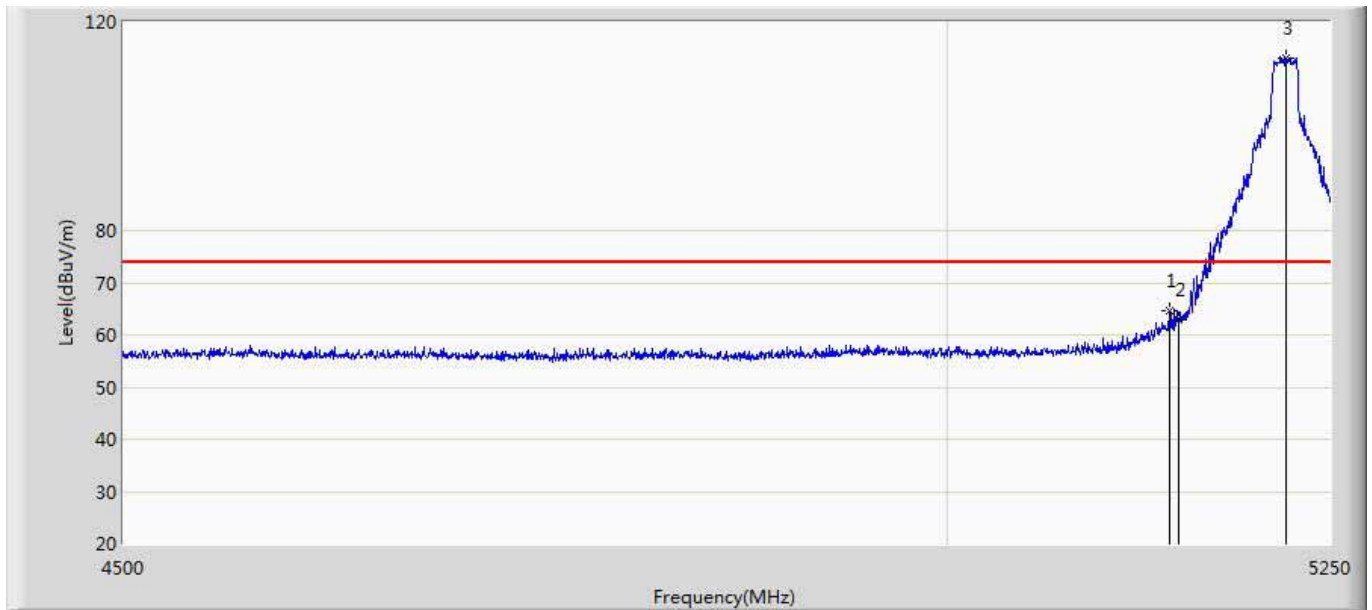
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.645	16.630	-15.355	74.000	42.015	PK
2	*	5175.500	99.302	57.157	N/A	N/A	42.145	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5180MHz by 802.11a	



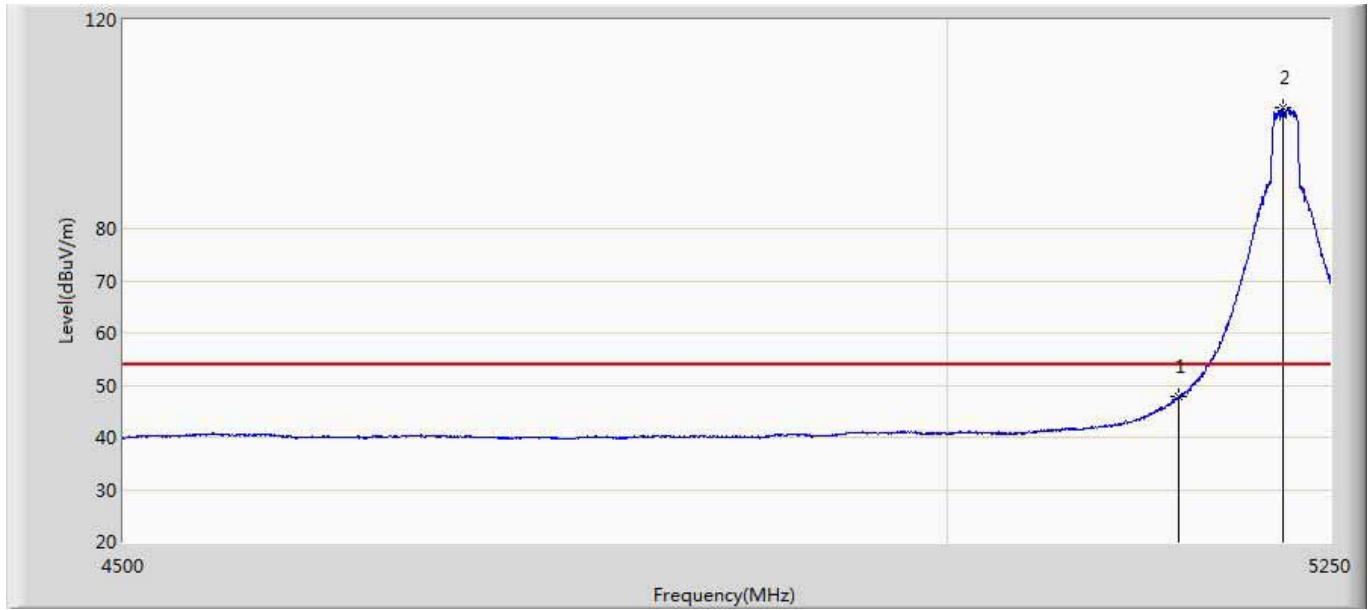
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	43.816	1.801	-10.184	54.000	42.015	AV
2	*	5178.300	89.898	47.753	N/A	N/A	42.145	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 802.11a	



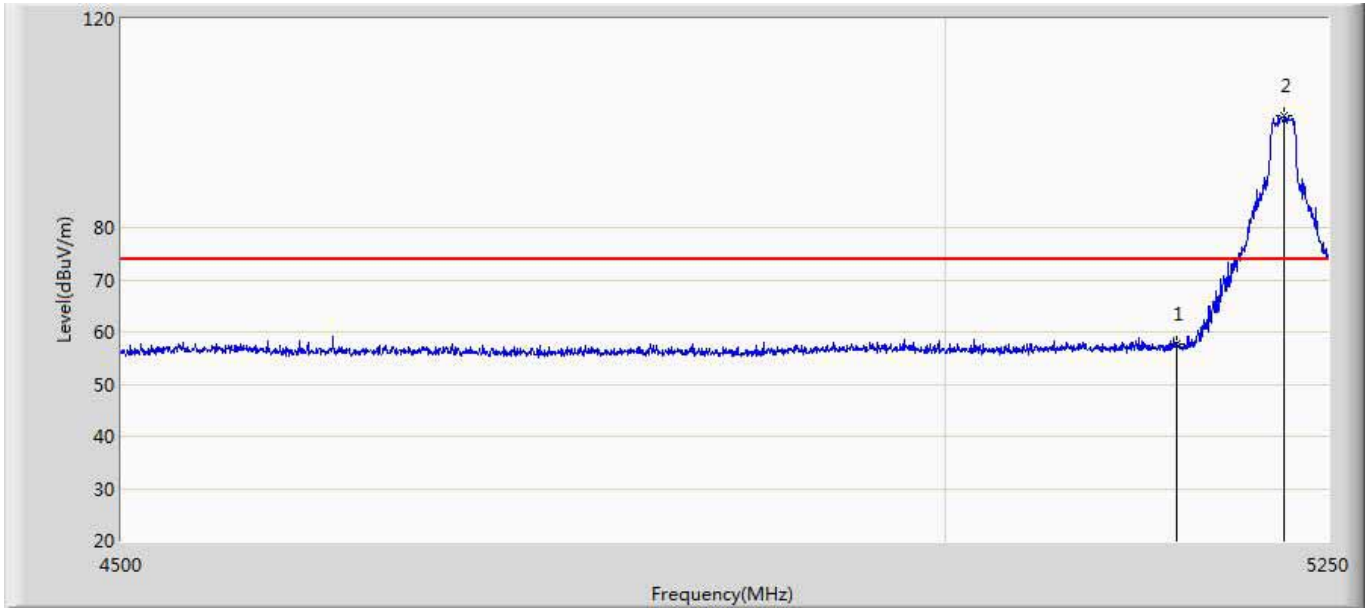
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5143.875	64.627	22.569	-9.373	74.000	42.058	PK
2		5150.000	62.996	20.981	-11.004	74.000	42.015	PK
3	*	5221.125	113.063	71.056	N/A	N/A	42.007	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 802.11a	



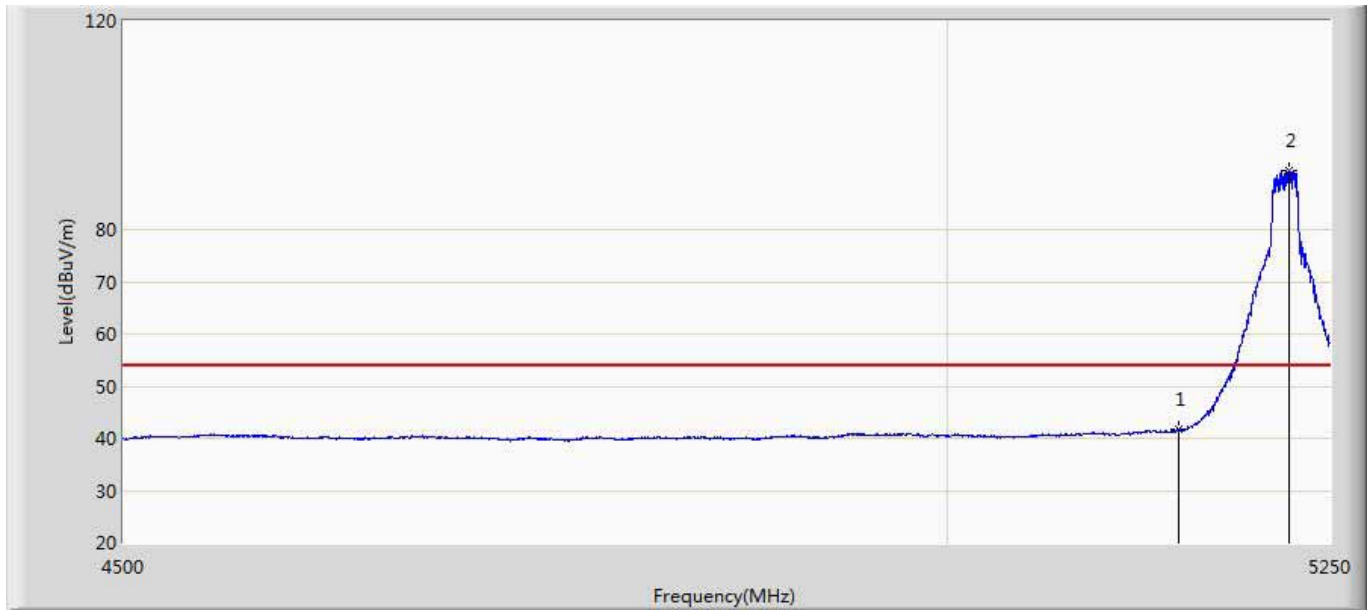
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.701	5.686	-6.299	54.000	42.015	AV
2	*	5218.875	103.256	61.260	N/A	N/A	41.996	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5220MHz by 802.11a	



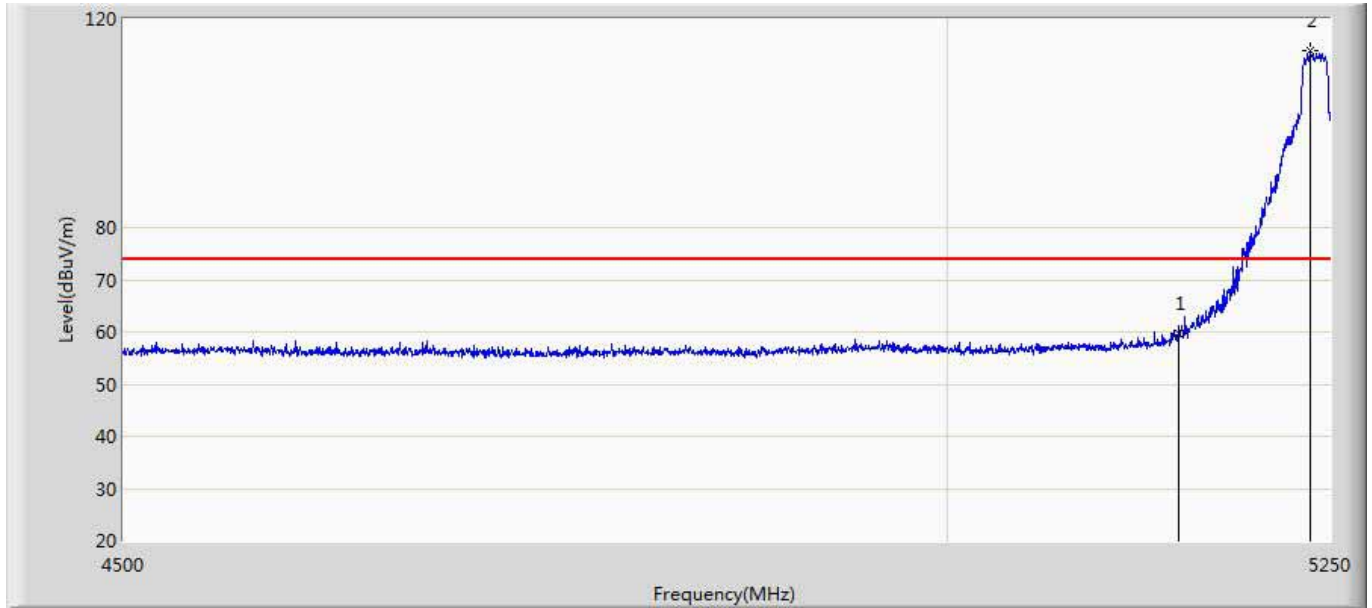
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.690	15.675	-16.310	74.000	42.015	PK
2	*	5221.125	101.441	59.434	N/A	N/A	42.007	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 10:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 802.11a	



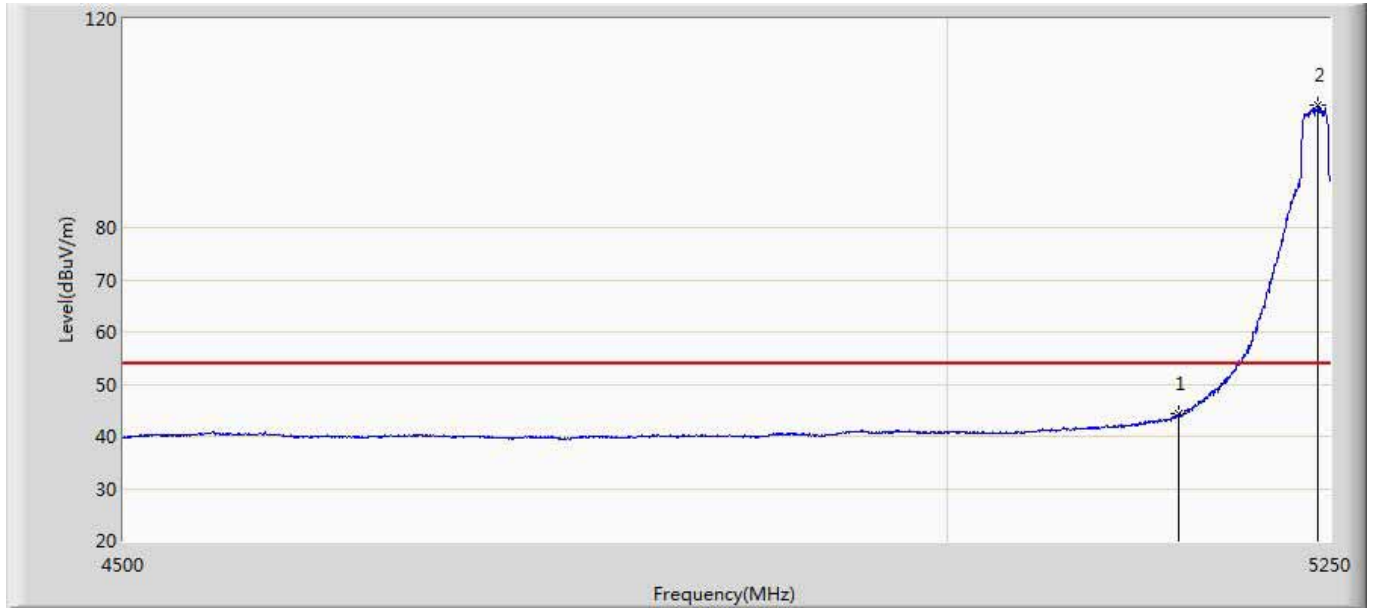
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	41.622	-0.393	-12.378	54.000	42.015	AV
2	*	5223.000	91.309	49.293	N/A	N/A	42.016	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



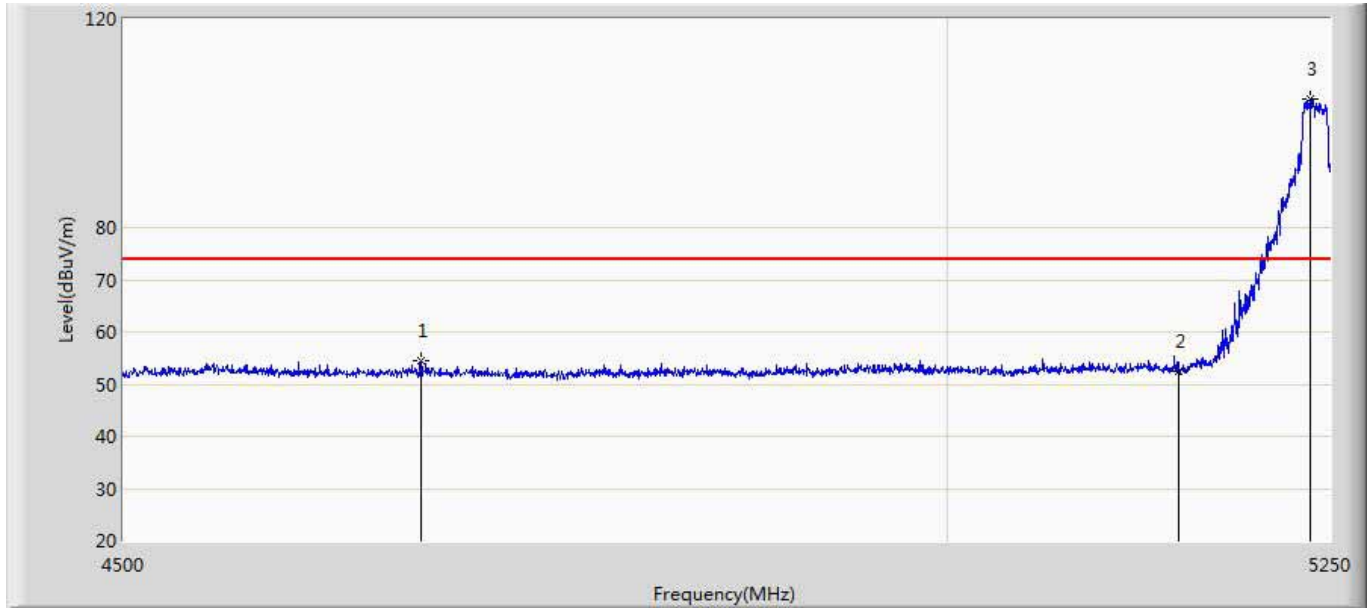
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.713	17.698	-14.287	74.000	42.015	PK
2	*	5237.250	113.866	71.762	N/A	N/A	42.104	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



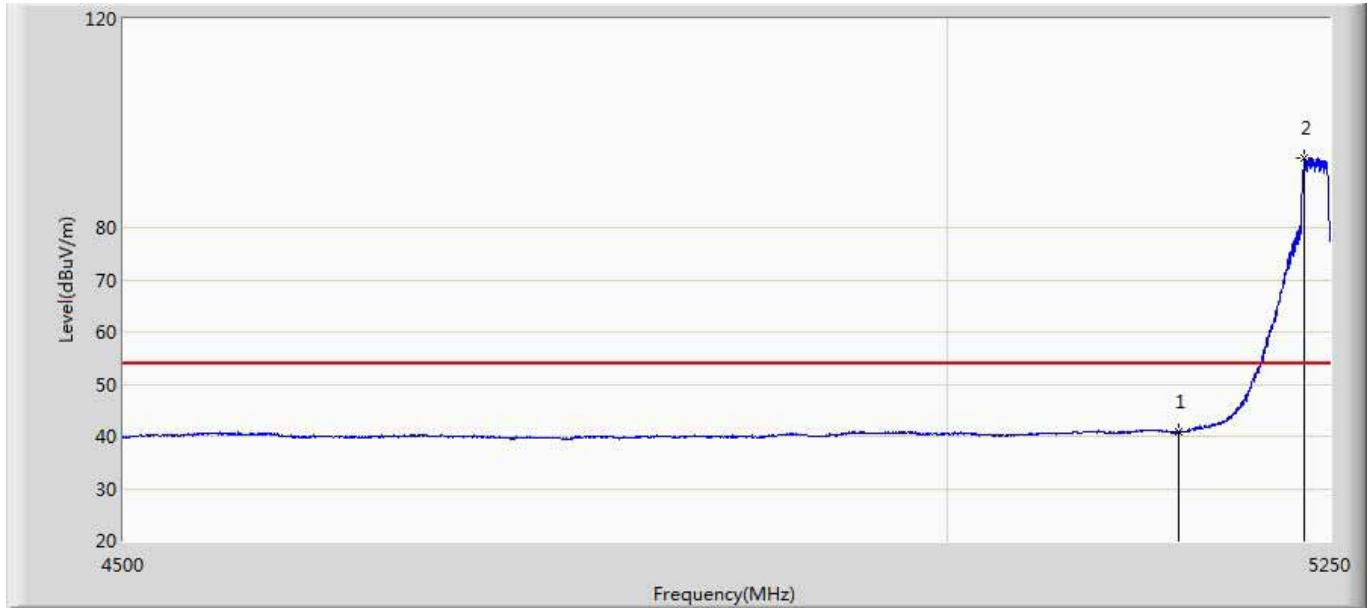
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.221	2.206	-9.779	54.000	42.015	AV
2	*	5242.125	103.377	61.225	N/A	N/A	42.152	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



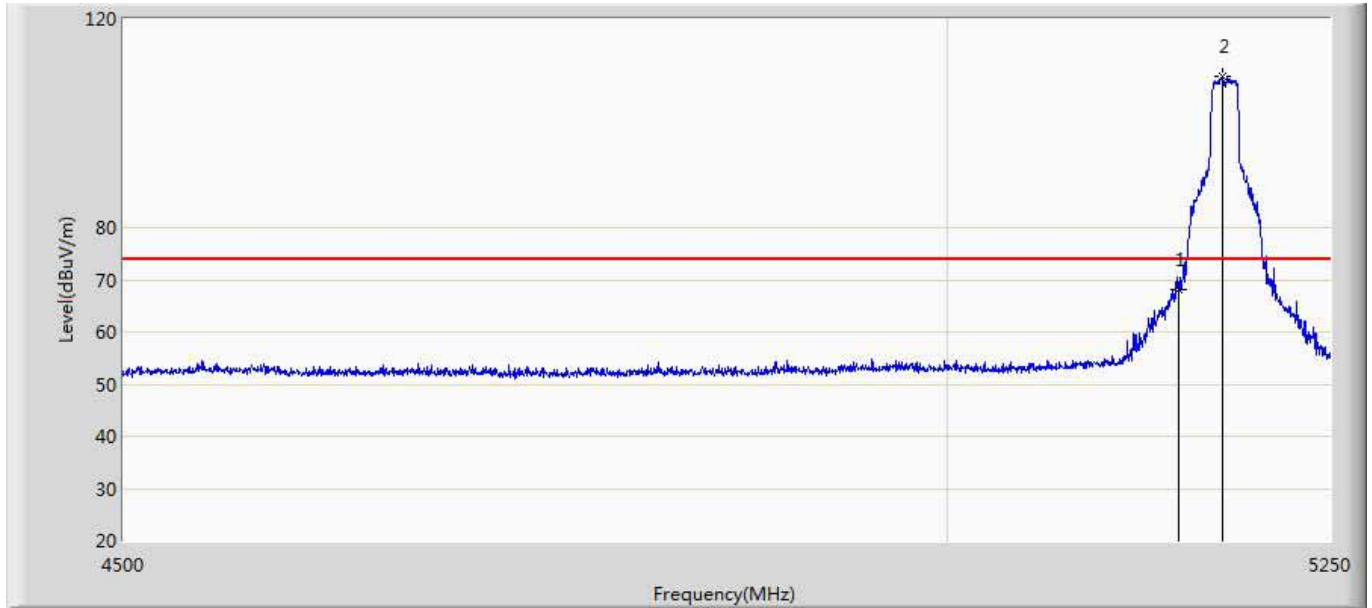
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4674.750	54.389	13.071	-19.611	74.000	41.318	PK
2		5150.000	52.429	10.414	-21.571	74.000	42.015	PK
3	*	5237.250	104.648	62.544	N/A	N/A	42.104	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



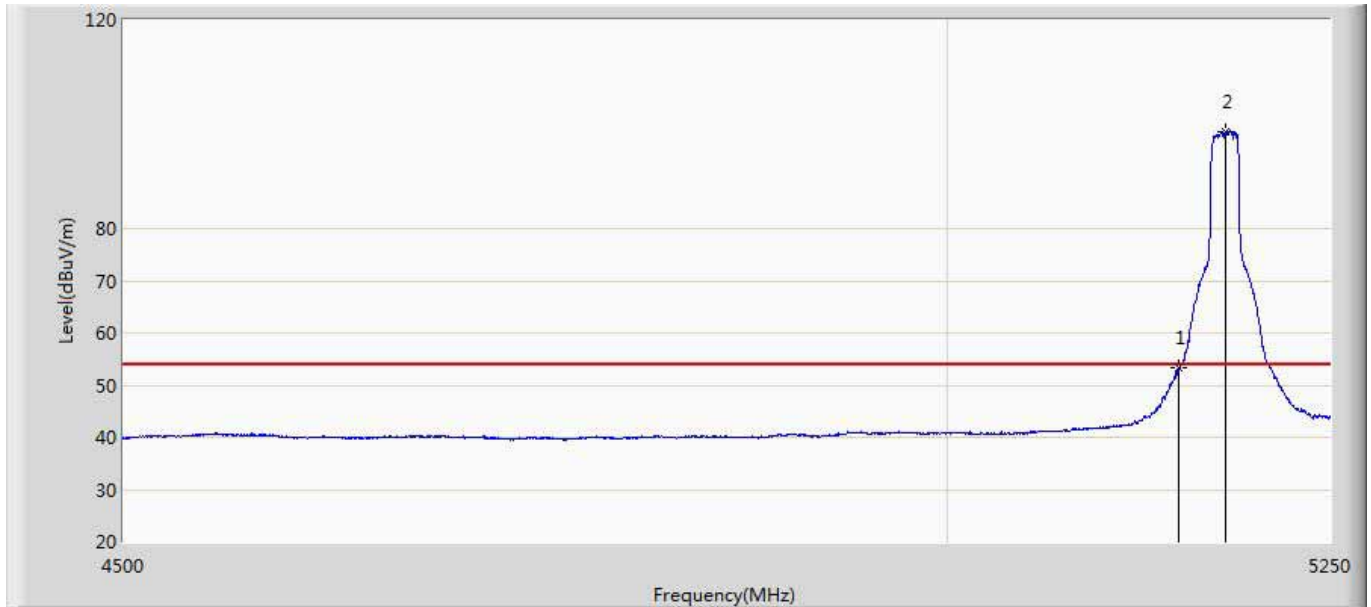
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	40.850	-1.165	-13.150	54.000	42.015	AV
2	*	5232.750	93.311	51.250	N/A	N/A	42.062	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



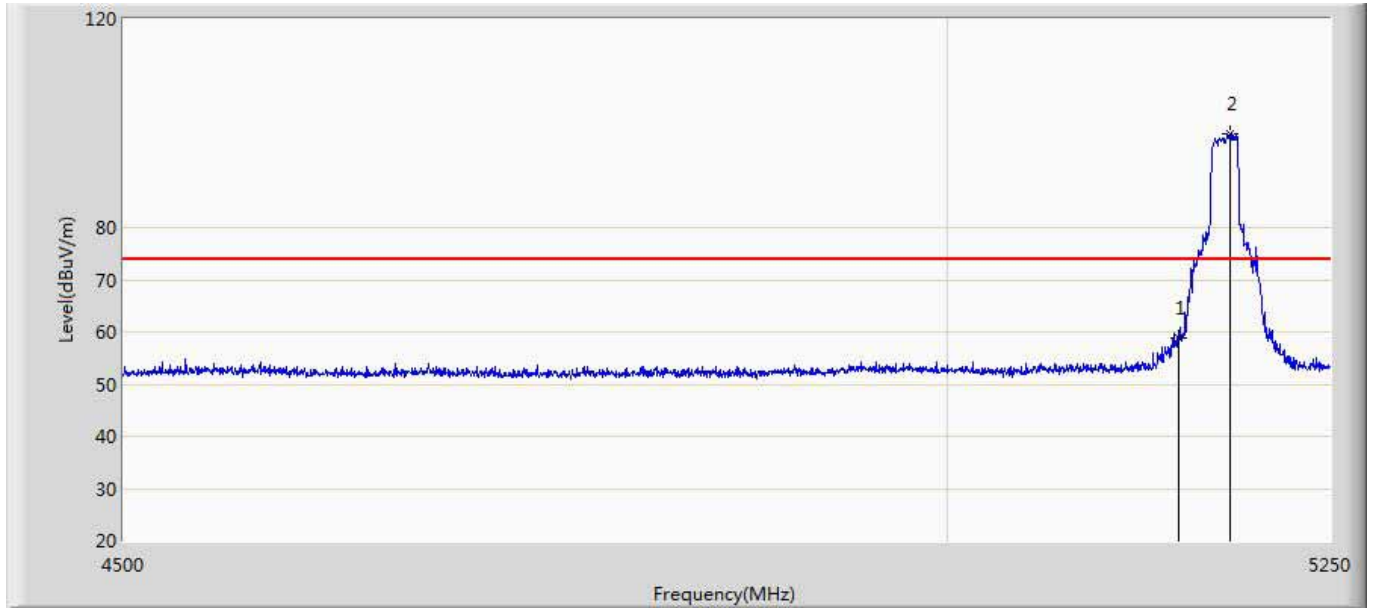
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	68.103	26.088	-5.897	74.000	42.015	PK
2	*	5178.000	108.958	66.813	N/A	N/A	42.145	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



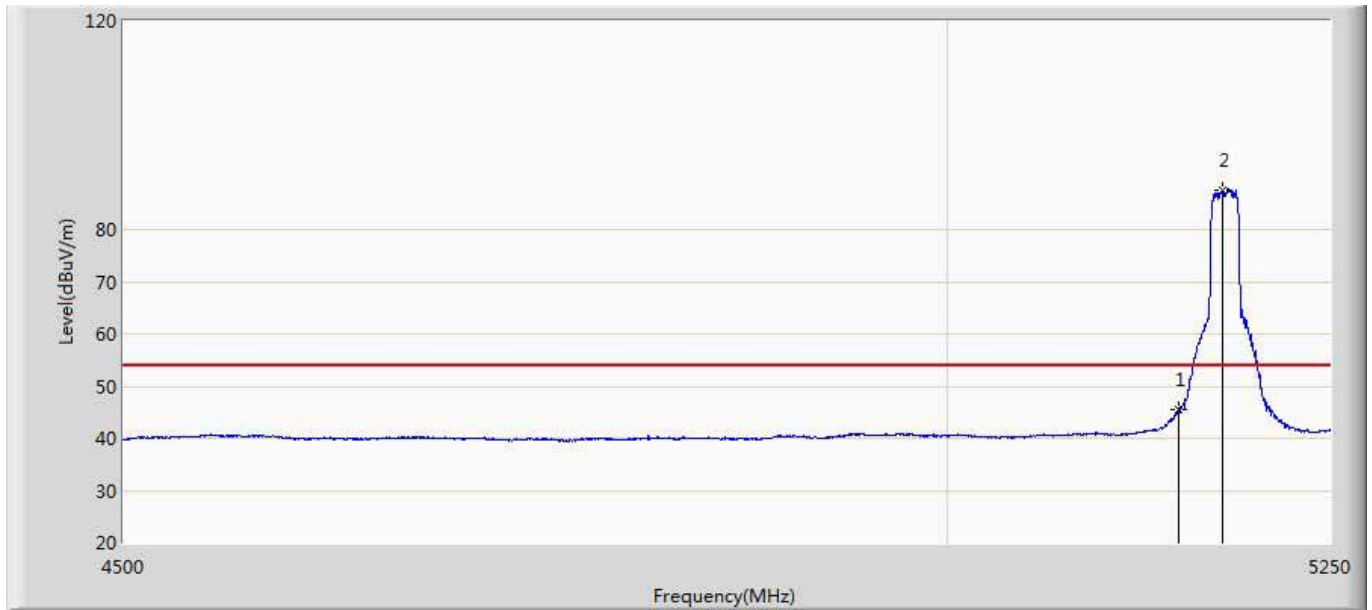
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.444	11.429	-0.556	54.000	42.015	AV
2	*	5180.625	98.528	56.383	N/A	N/A	42.146	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



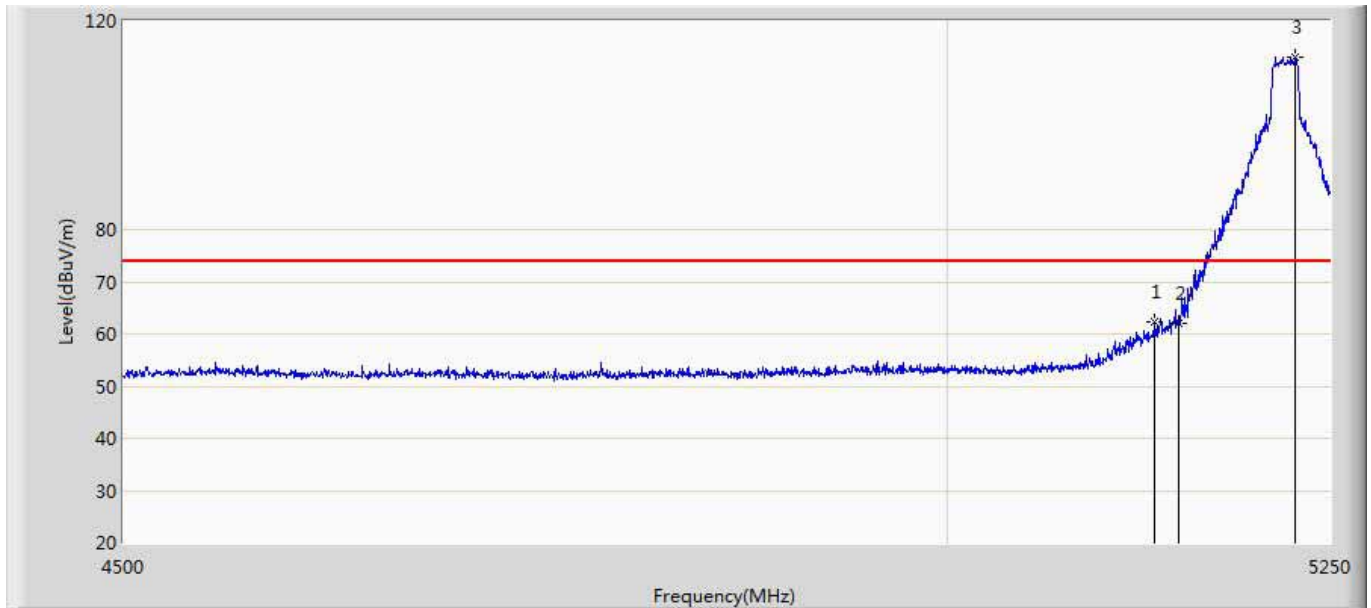
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.927	16.912	-15.073	74.000	42.015	PK
2	*	5183.625	97.993	55.858	N/A	N/A	42.135	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



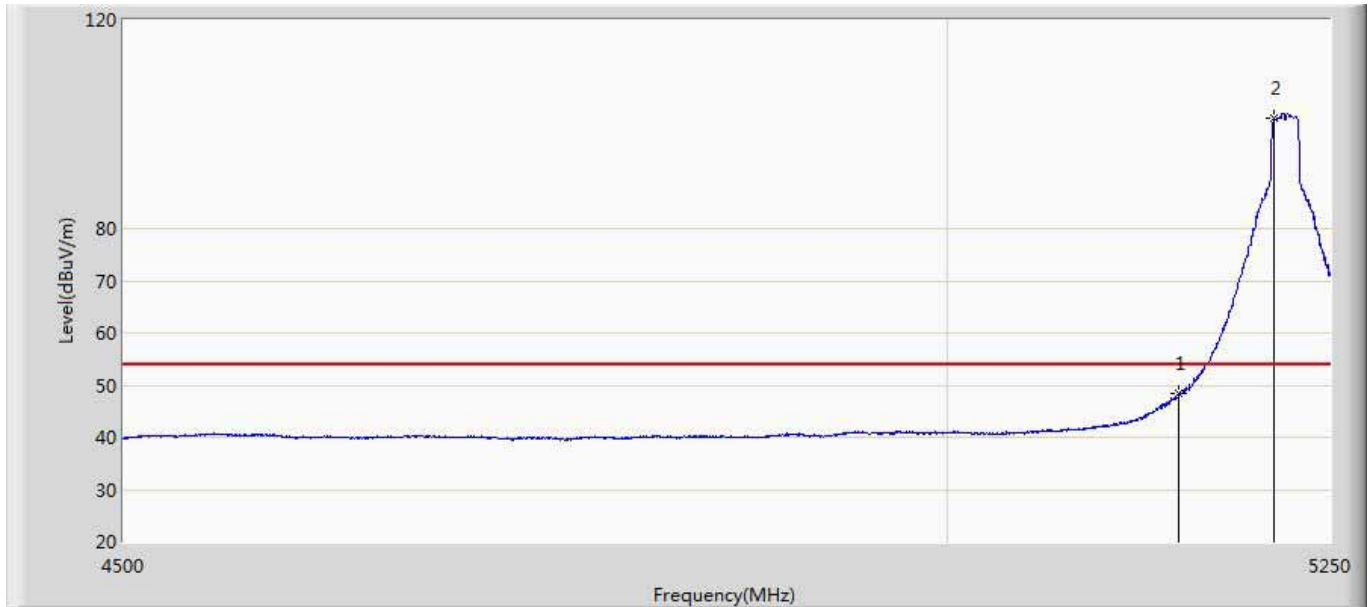
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.429	3.414	-8.571	54.000	42.015	AV
2	*	5178.750	87.642	45.497	N/A	N/A	42.146	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



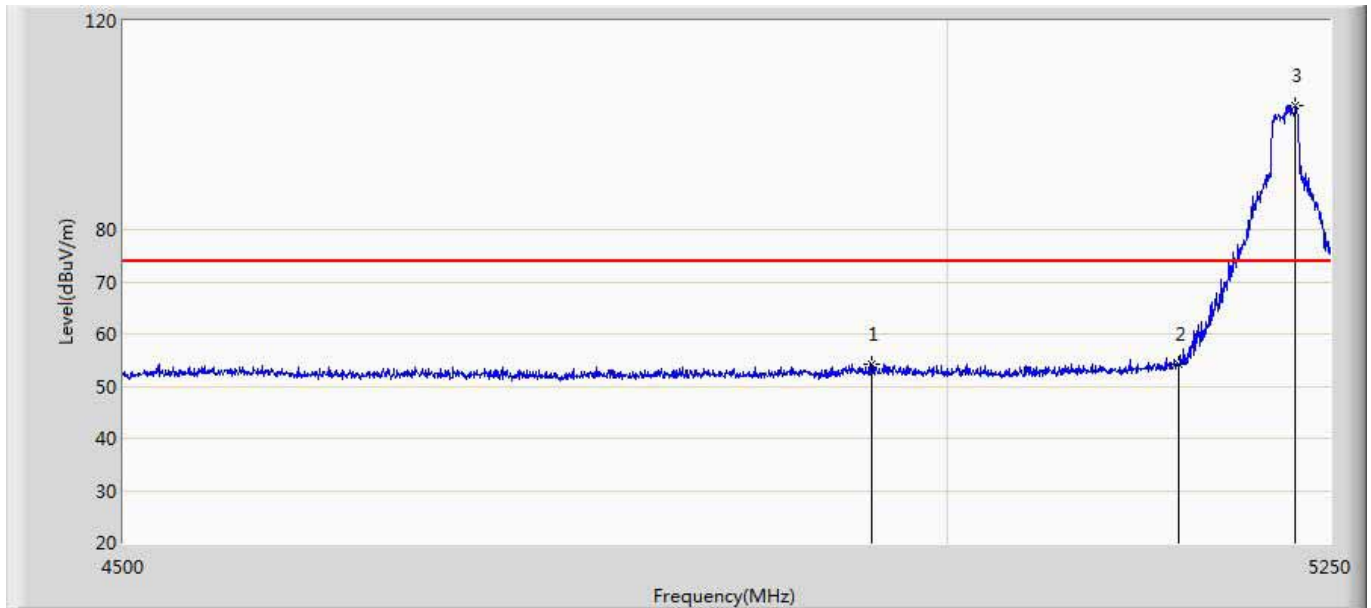
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5134.125	62.235	20.034	-11.765	74.000	42.201	PK
2		5150.000	62.010	19.995	-11.990	74.000	42.015	PK
3	*	5226.750	113.086	71.053	N/A	N/A	42.033	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 17:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



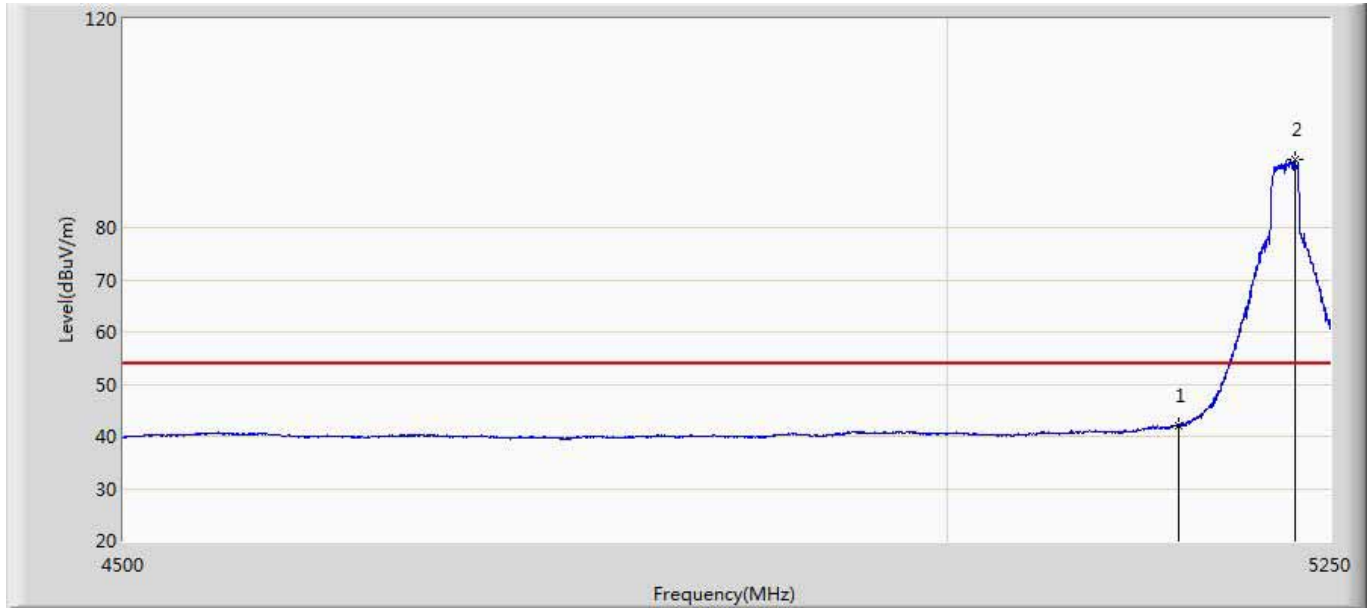
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.280	6.265	-5.720	54.000	42.015	AV
2	*	5212.125	101.118	59.123	N/A	N/A	41.995	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



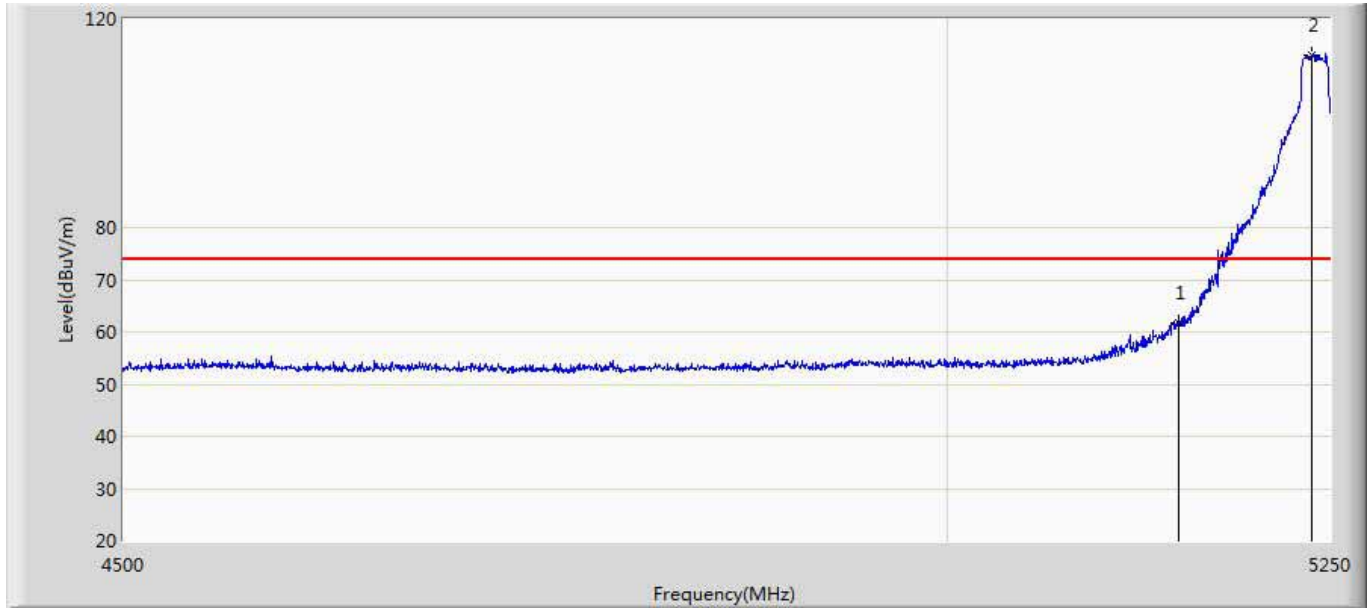
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4951.875	54.070	12.311	-19.930	74.000	41.759	PK
2		5150.000	54.238	12.223	-19.762	74.000	42.015	PK
3	*	5227.125	103.758	61.723	N/A	N/A	42.035	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



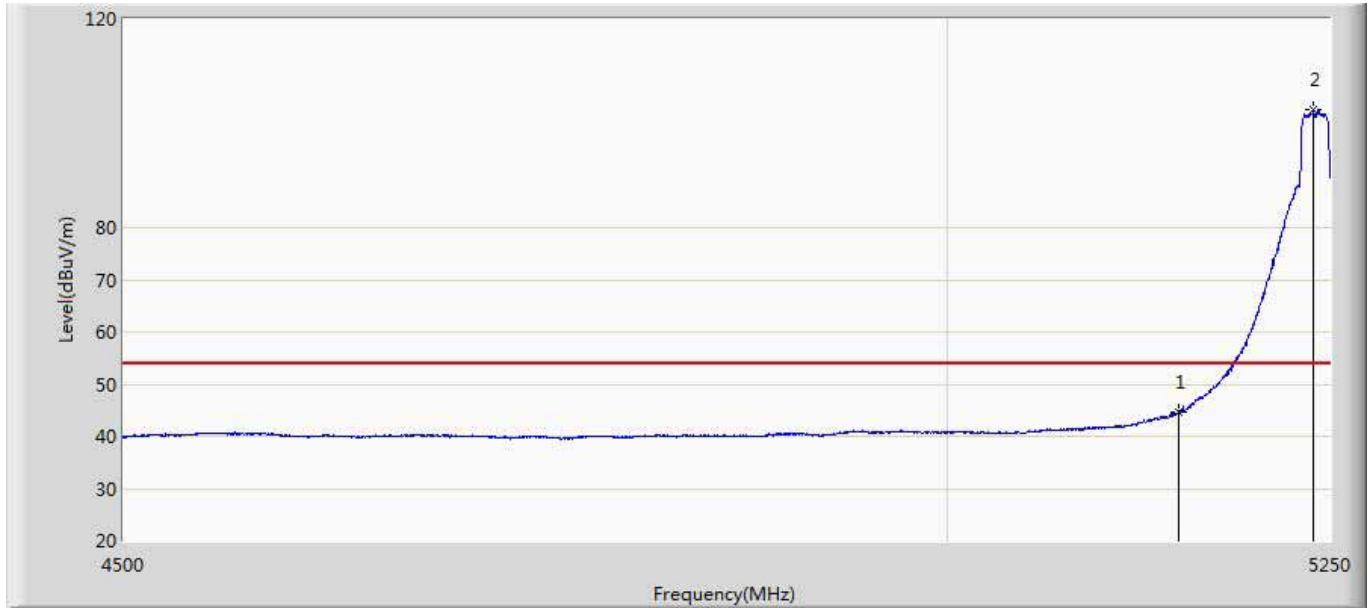
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	41.992	-0.023	-12.008	54.000	42.015	AV
2	*	5226.750	92.926	50.893	N/A	N/A	42.033	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



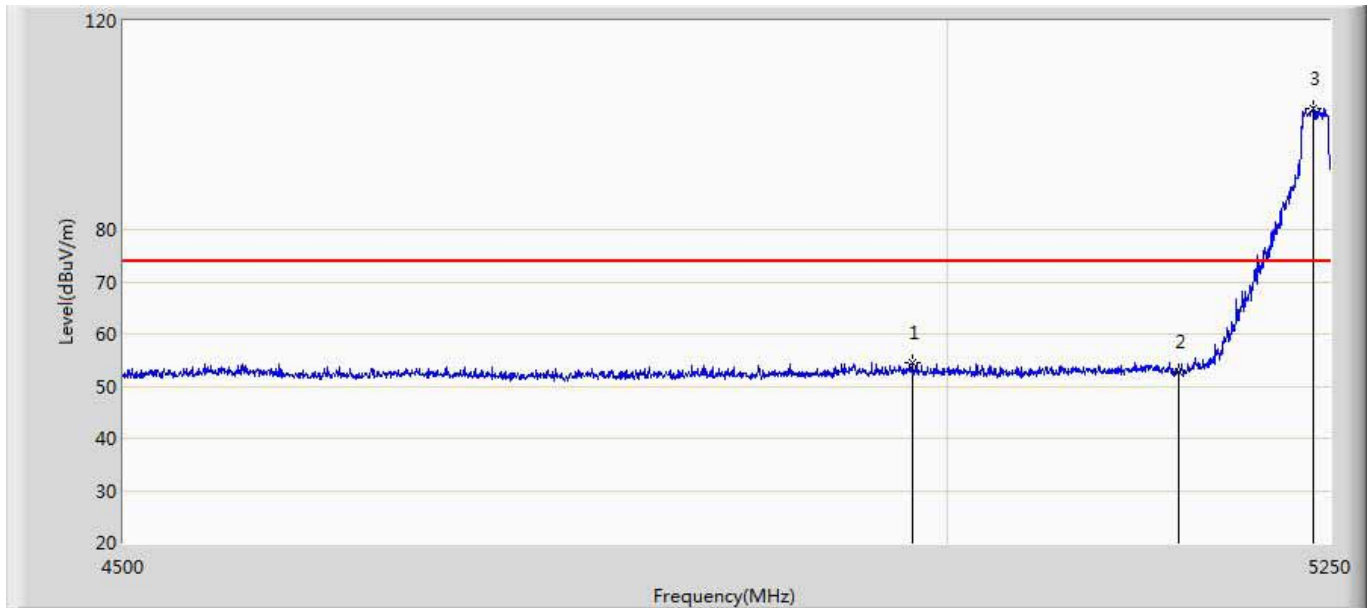
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.701	19.686	-12.299	74.000	42.015	PK
2	*	5237.625	113.063	70.955	N/A	N/A	42.108	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



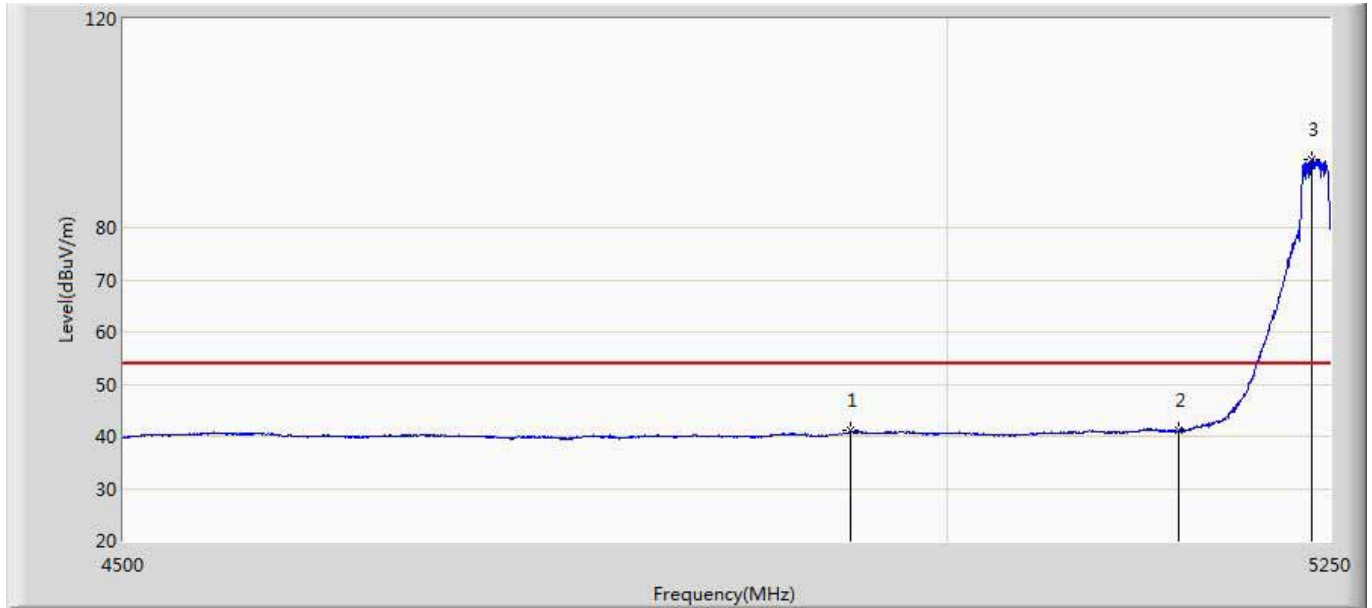
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.659	2.644	-9.341	54.000	42.015	AV
2	*	5238.750	102.690	60.571	N/A	N/A	42.119	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



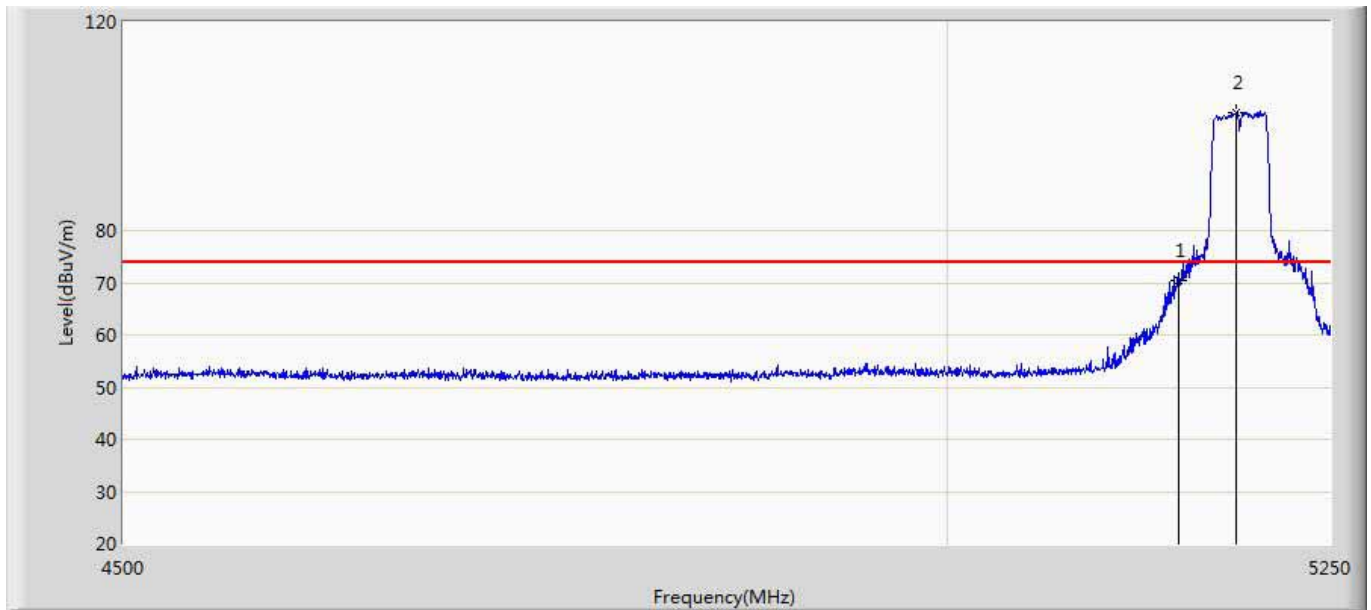
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4977.750	54.353	12.774	-19.647	74.000	41.579	PK
2		5150.000	52.679	10.664	-21.321	74.000	42.015	PK
3	*	5238.375	103.154	61.039	N/A	N/A	42.115	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



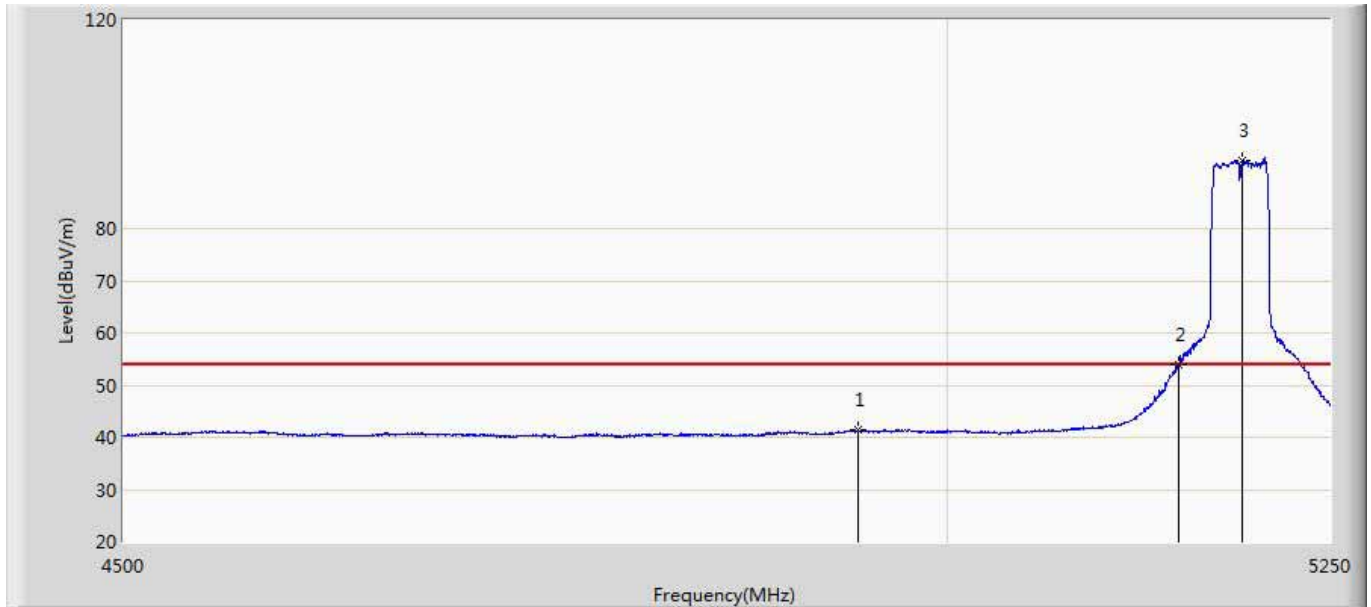
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4938.375	41.036	-0.701	-12.964	54.000	41.738	AV
2		5150.000	41.030	-0.985	-12.970	54.000	42.015	AV
3	*	5238.000	93.163	51.051	N/A	N/A	42.112	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



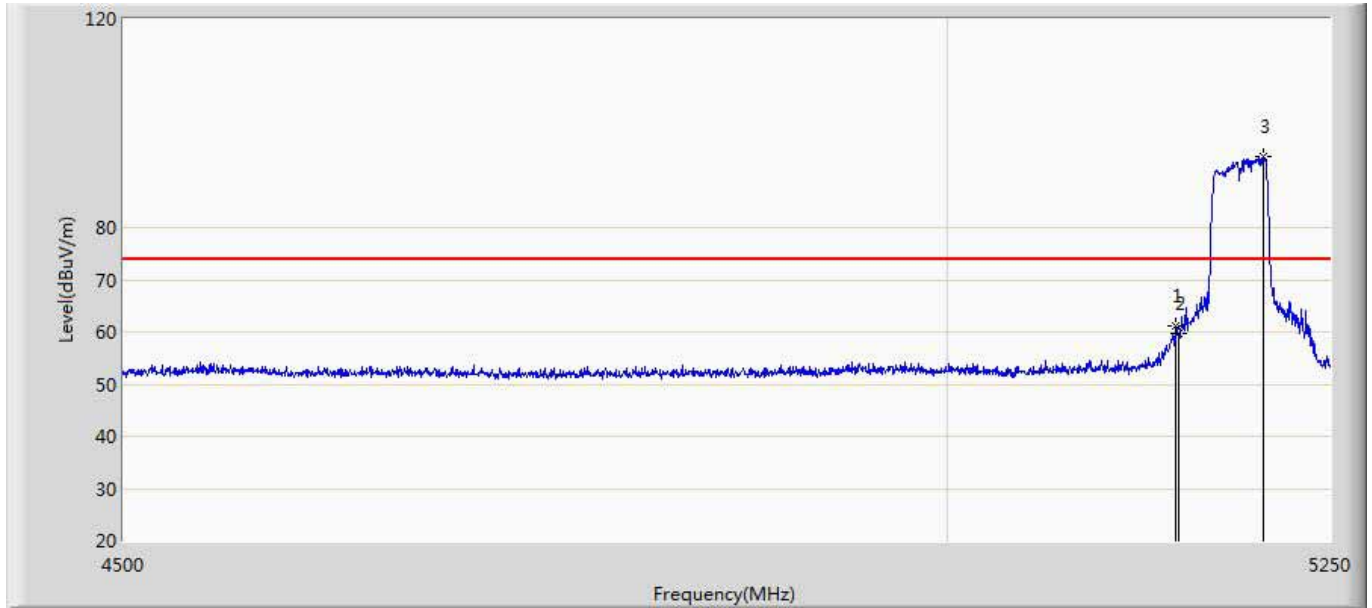
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	70.547	28.532	-3.453	74.000	42.015	PK
2	*	5187.000	102.655	60.542	N/A	N/A	42.113	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



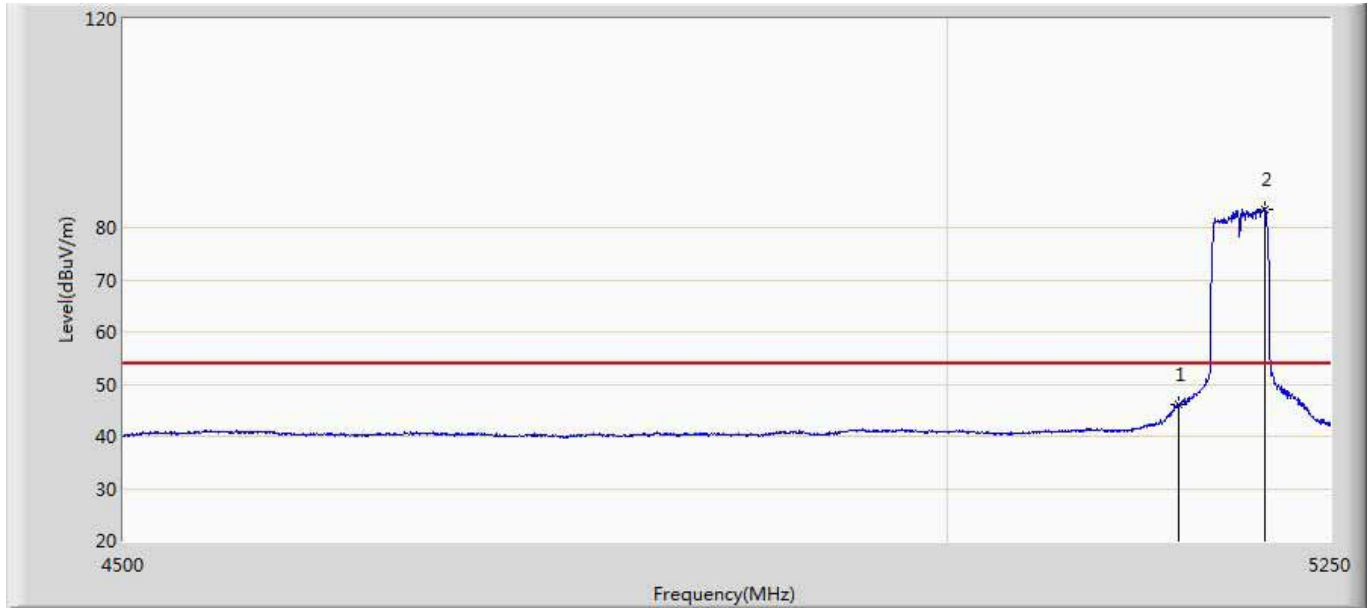
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4942.500	41.329	-0.481	-12.671	54.000	41.810	AV
2		5150.000	53.997	11.982	-0.003	54.000	42.015	AV
3	*	5191.500	93.172	51.088	N/A	N/A	42.084	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



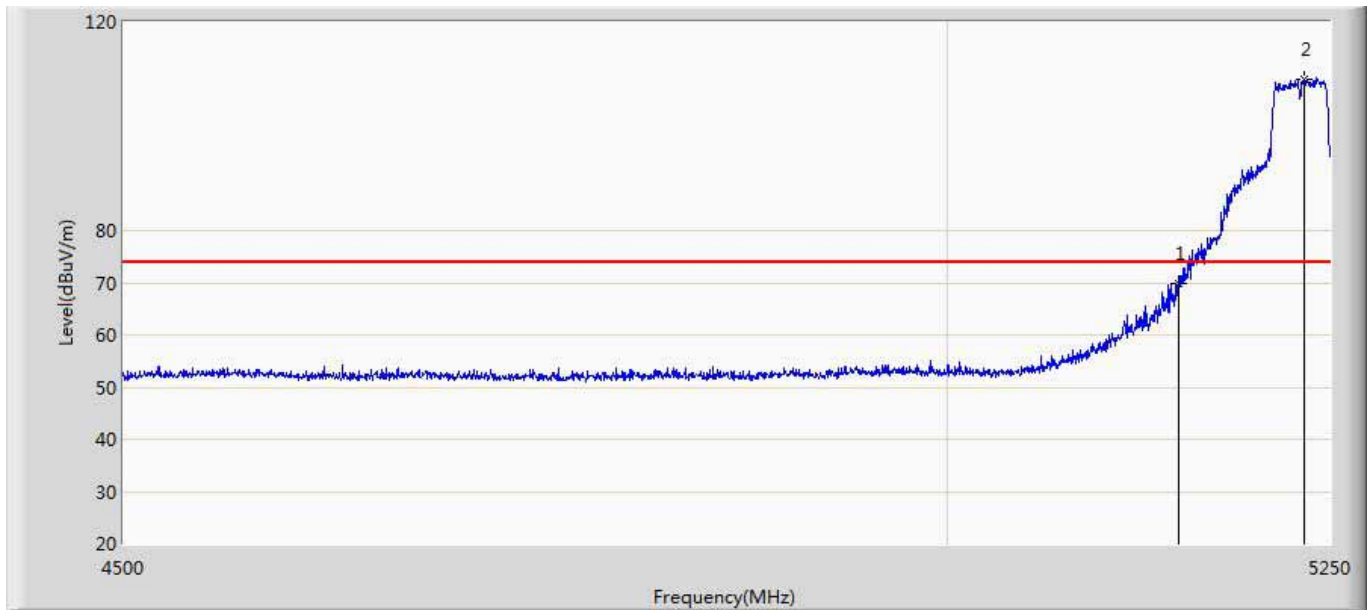
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5147.250	61.268	19.259	-12.732	74.000	42.008	PK
2		5150.000	59.804	17.789	-14.196	74.000	42.015	PK
3	*	5205.375	93.480	51.464	N/A	N/A	42.016	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



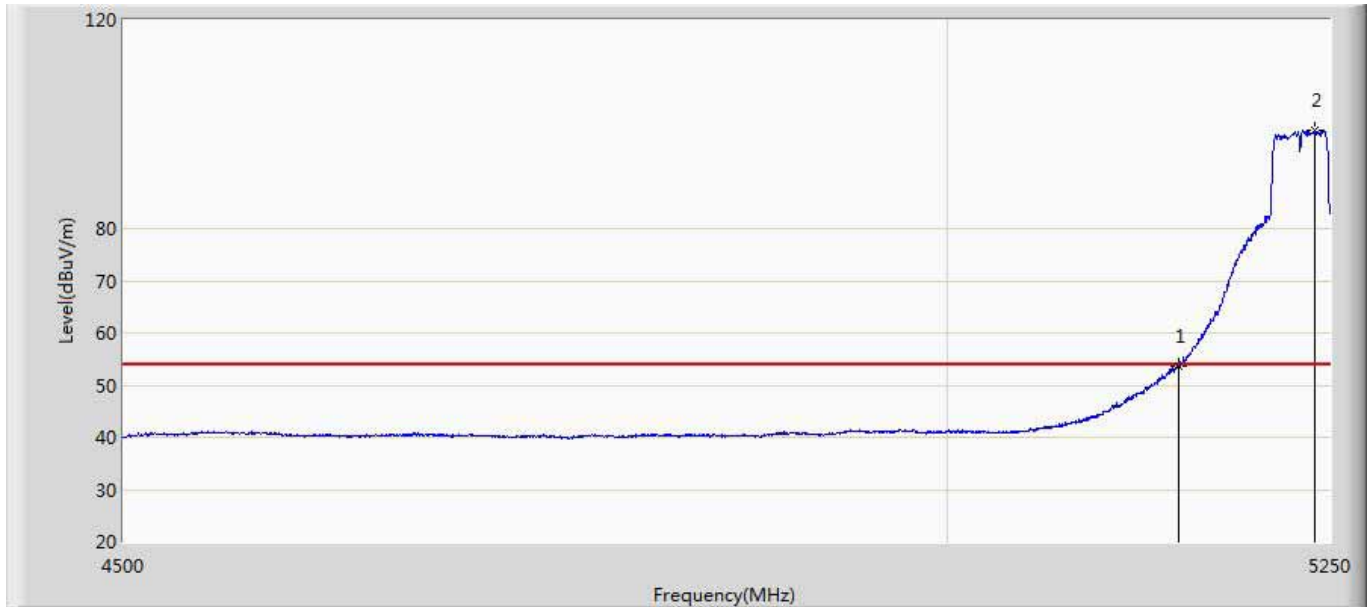
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.993	3.978	-8.007	54.000	42.015	AV
2	*	5206.500	83.514	41.501	N/A	N/A	42.012	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



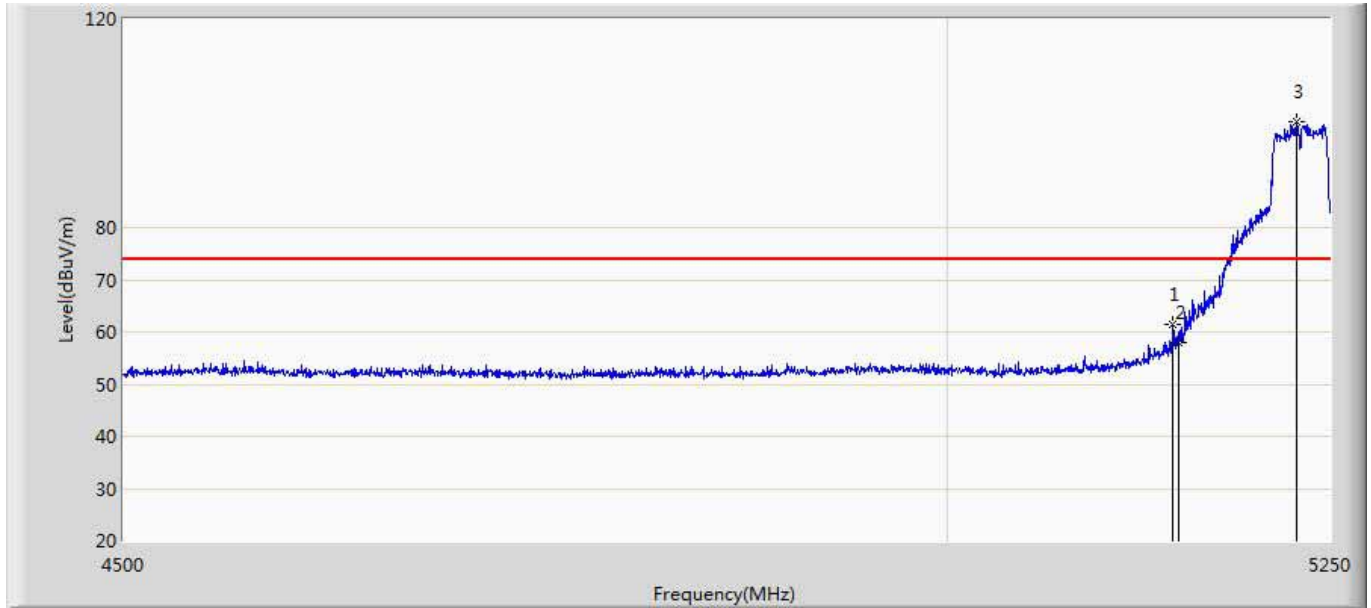
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	69.982	27.967	-4.018	74.000	42.015	PK
2	*	5232.375	109.110	67.050	N/A	N/A	42.059	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 18:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



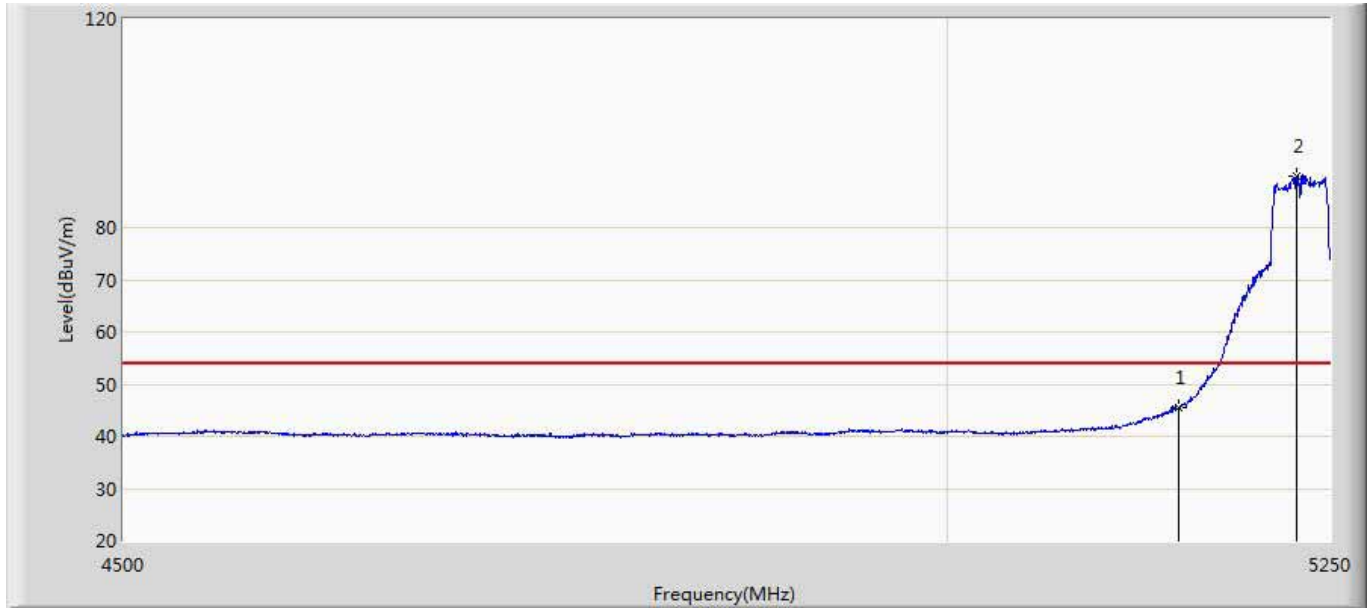
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.665	11.650	-0.335	54.000	42.015	AV
2	*	5240.250	98.965	56.831	N/A	N/A	42.134	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



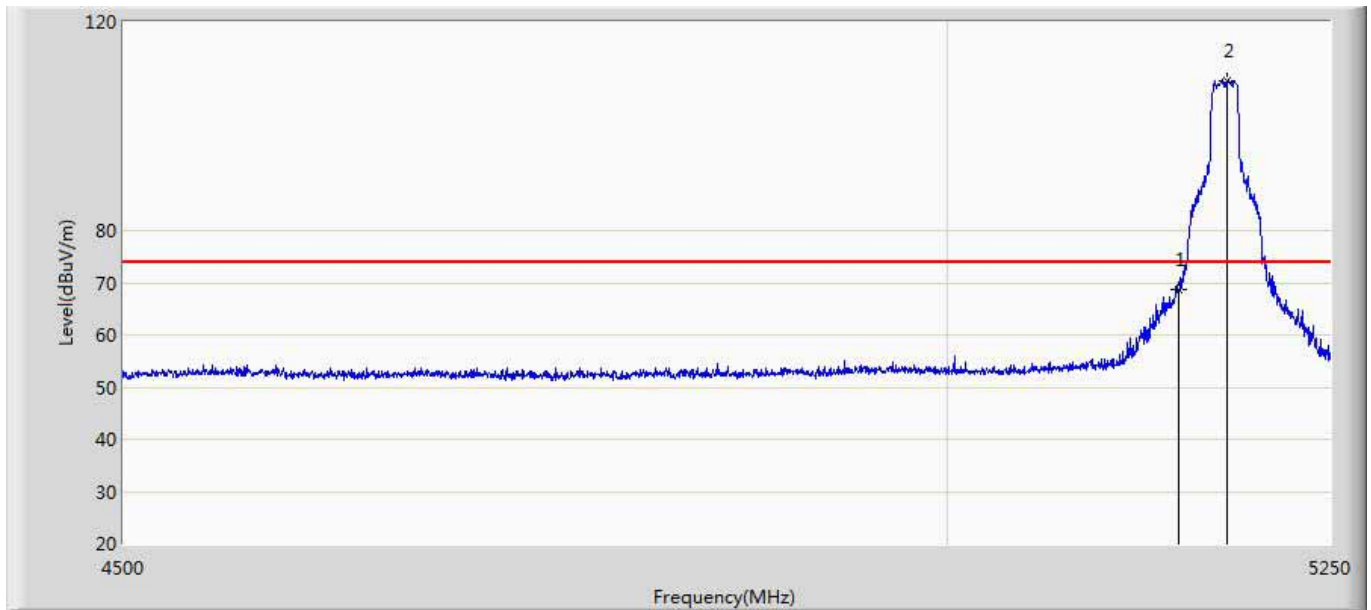
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5145.750	61.375	19.344	-12.625	74.000	42.031	PK
2		5150.000	57.850	15.835	-16.150	74.000	42.015	PK
3	*	5227.500	100.167	58.130	N/A	N/A	42.036	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



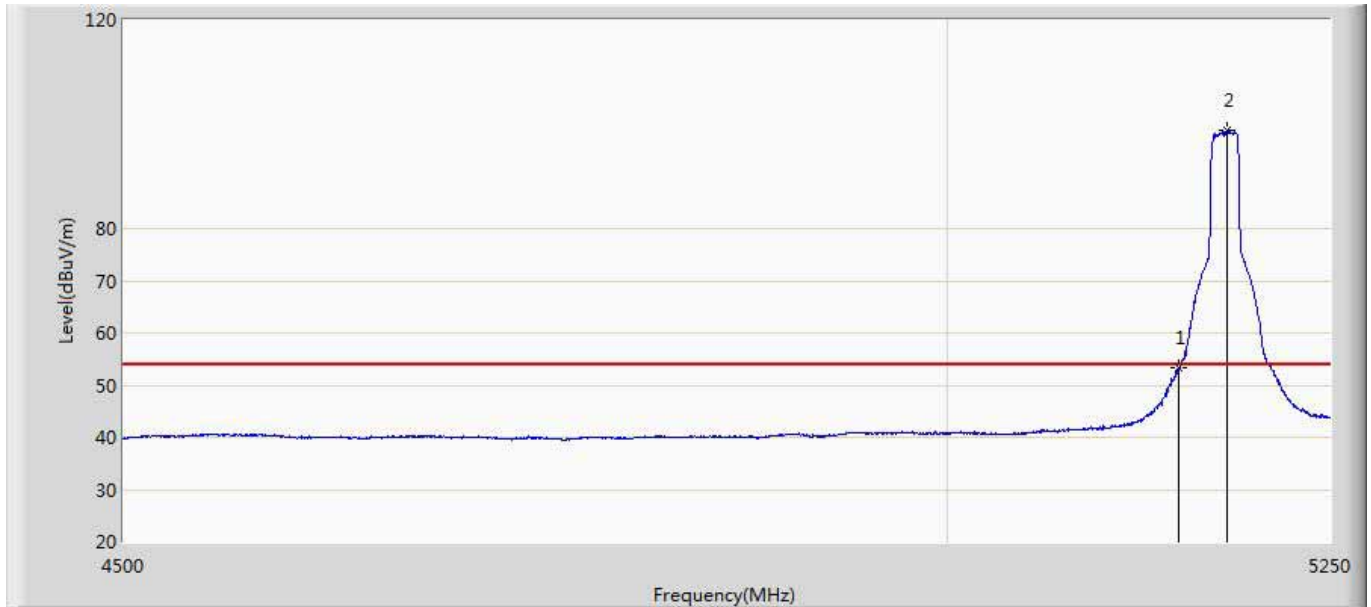
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.603	3.588	-8.397	54.000	42.015	AV
2	*	5227.875	89.746	47.708	N/A	N/A	42.039	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



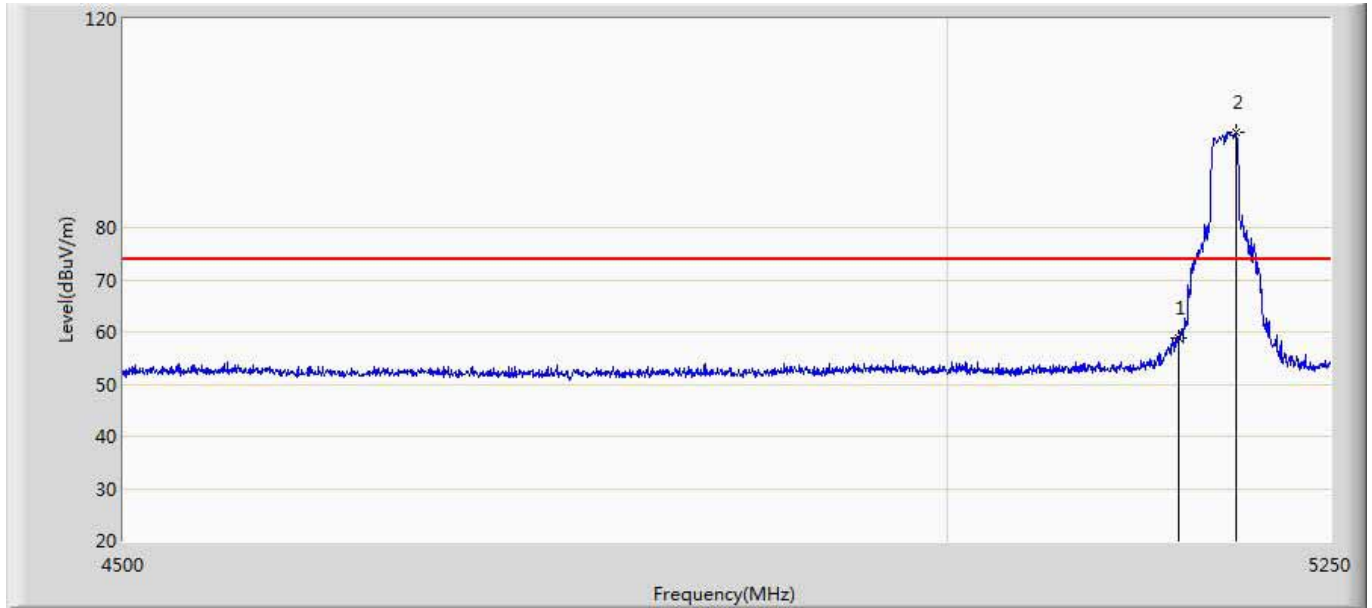
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	68.599	26.584	-5.401	74.000	42.015	PK
2	*	5181.000	108.786	66.641	N/A	N/A	42.145	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



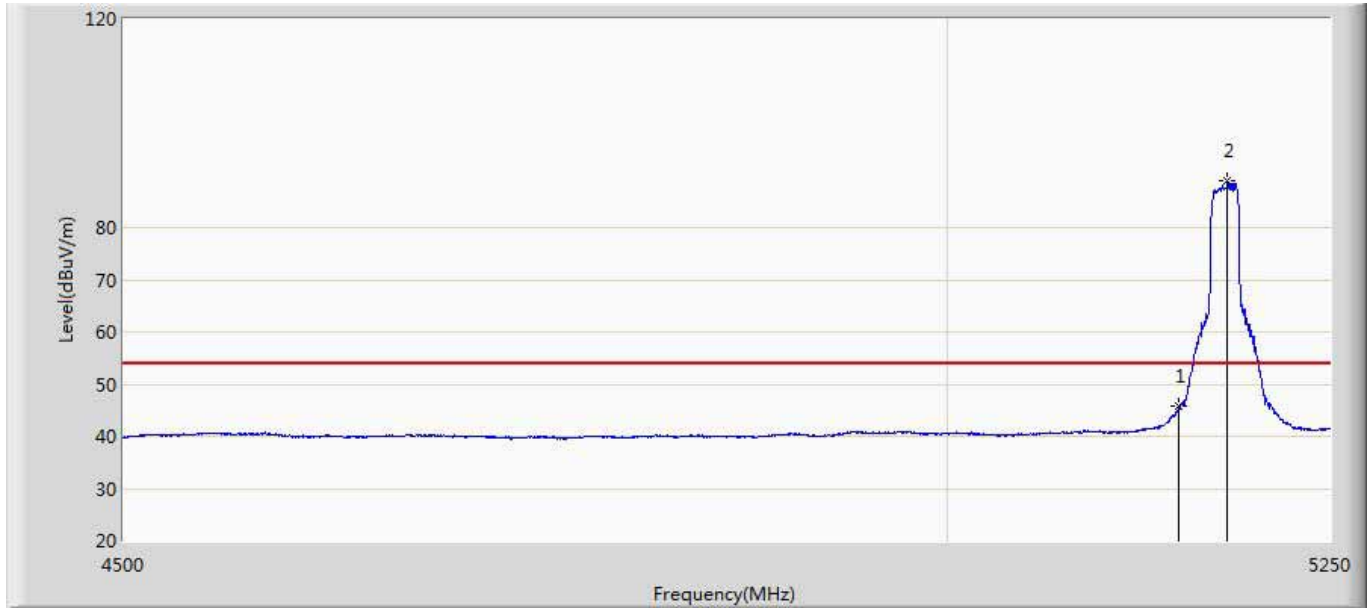
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.420	11.405	-0.580	54.000	42.015	AV
2	*	5181.750	98.735	56.590	N/A	N/A	42.146	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



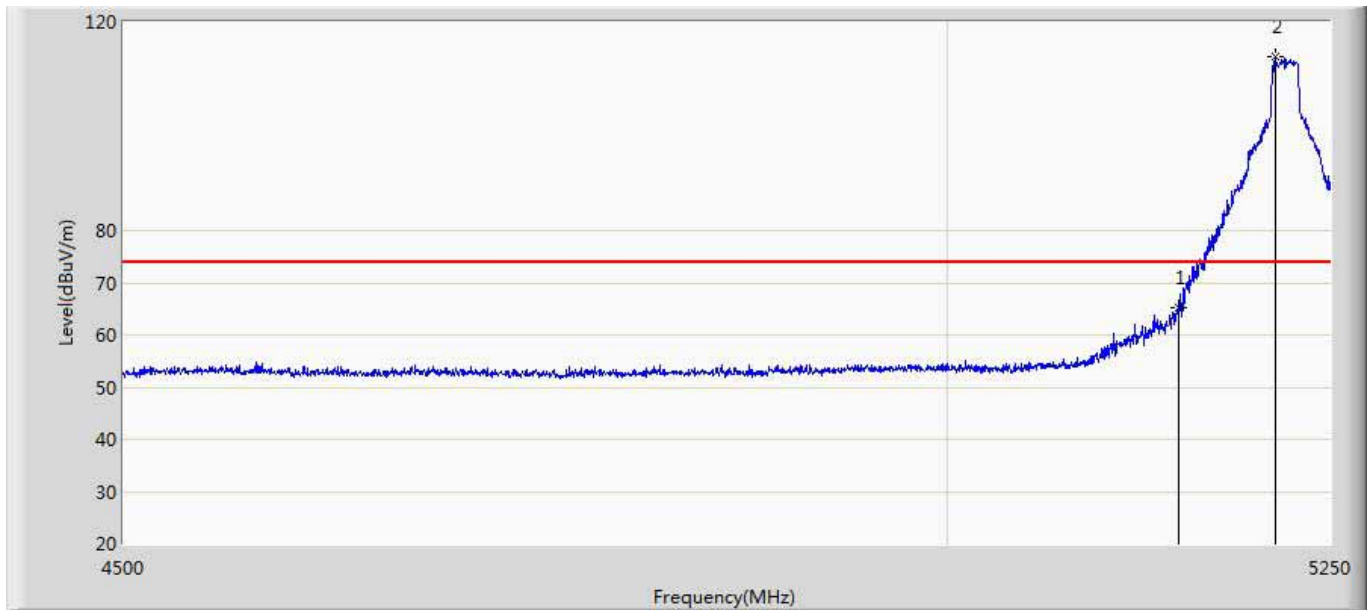
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.954	16.939	-15.046	74.000	42.015	PK
2	*	5187.375	98.379	56.268	N/A	N/A	42.110	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



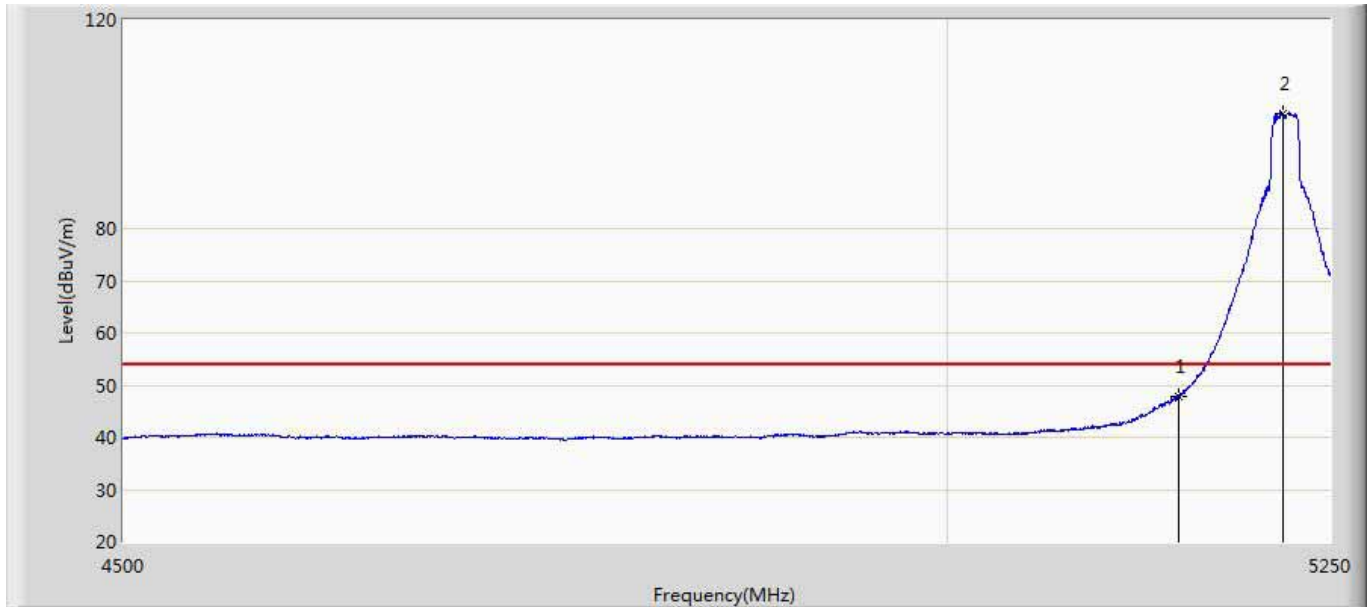
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.684	3.669	-8.316	54.000	42.015	AV
2	*	5181.750	88.936	46.791	N/A	N/A	42.146	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



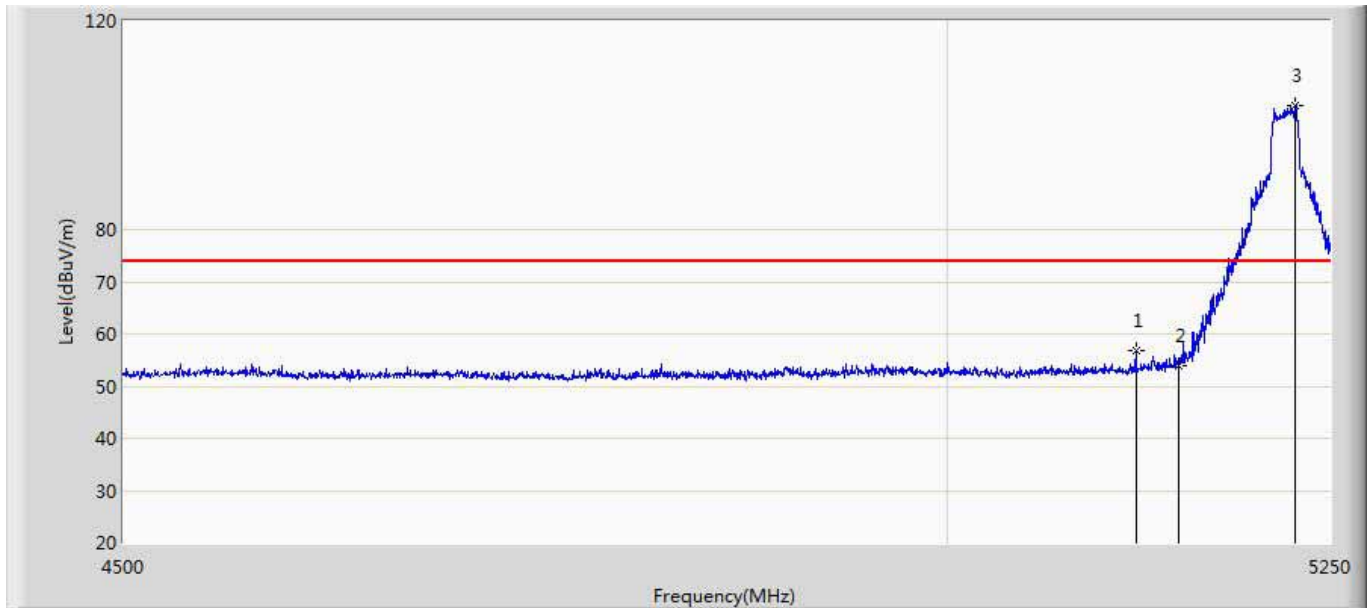
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.301	23.286	-8.699	74.000	42.015	PK
2	*	5213.250	113.404	71.413	N/A	N/A	41.991	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



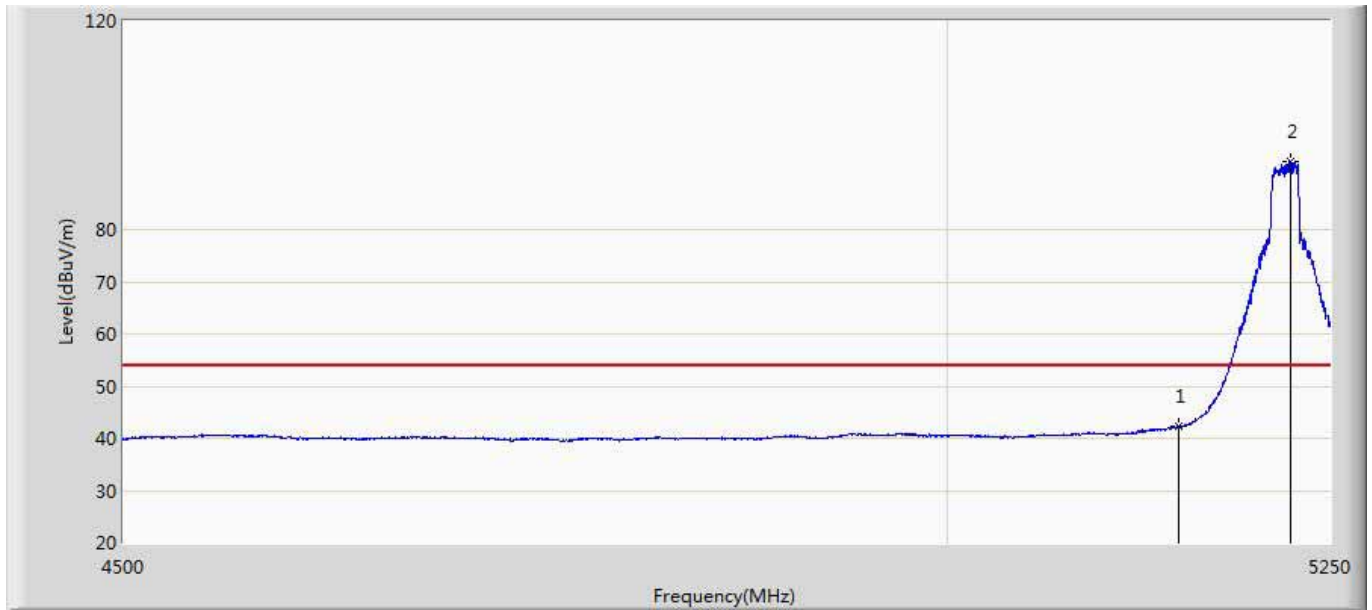
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.884	5.869	-6.116	54.000	42.015	AV
2	*	5218.500	102.171	60.177	N/A	N/A	41.994	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



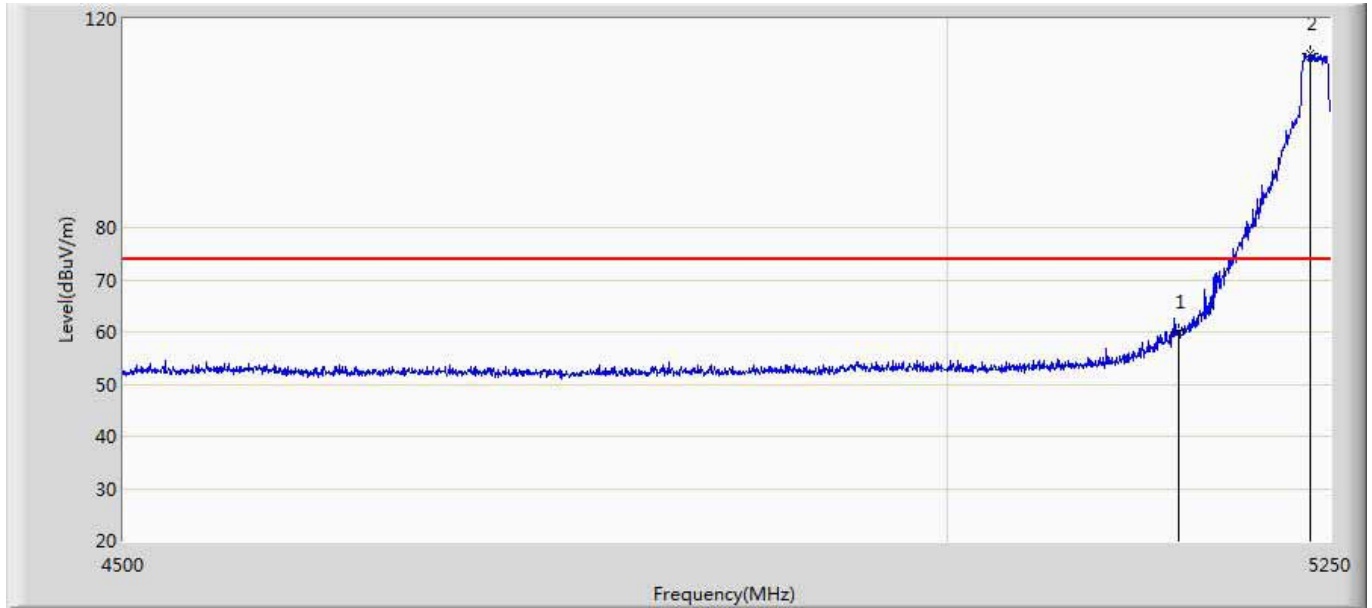
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5121.375	56.738	14.606	-17.262	74.000	42.132	PK
2		5150.000	53.898	11.883	-20.102	74.000	42.015	PK
3	*	5226.750	103.887	61.854	N/A	N/A	42.033	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



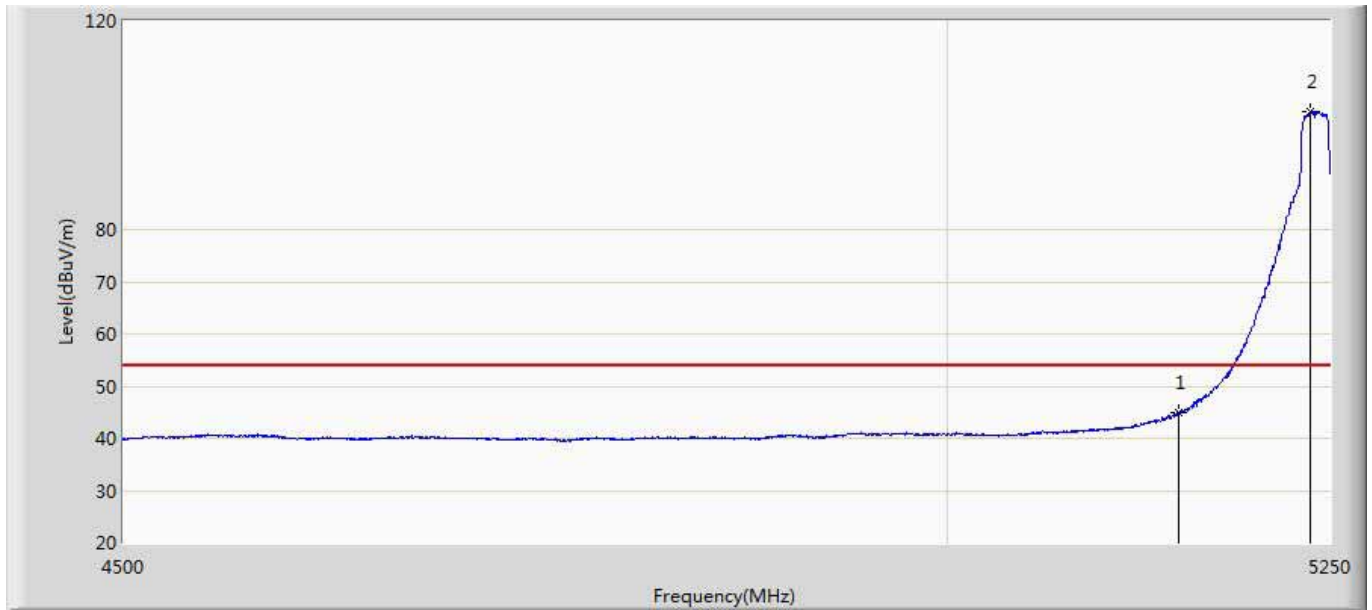
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	42.285	0.270	-11.715	54.000	42.015	AV
2	*	5224.125	93.177	51.156	N/A	N/A	42.021	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



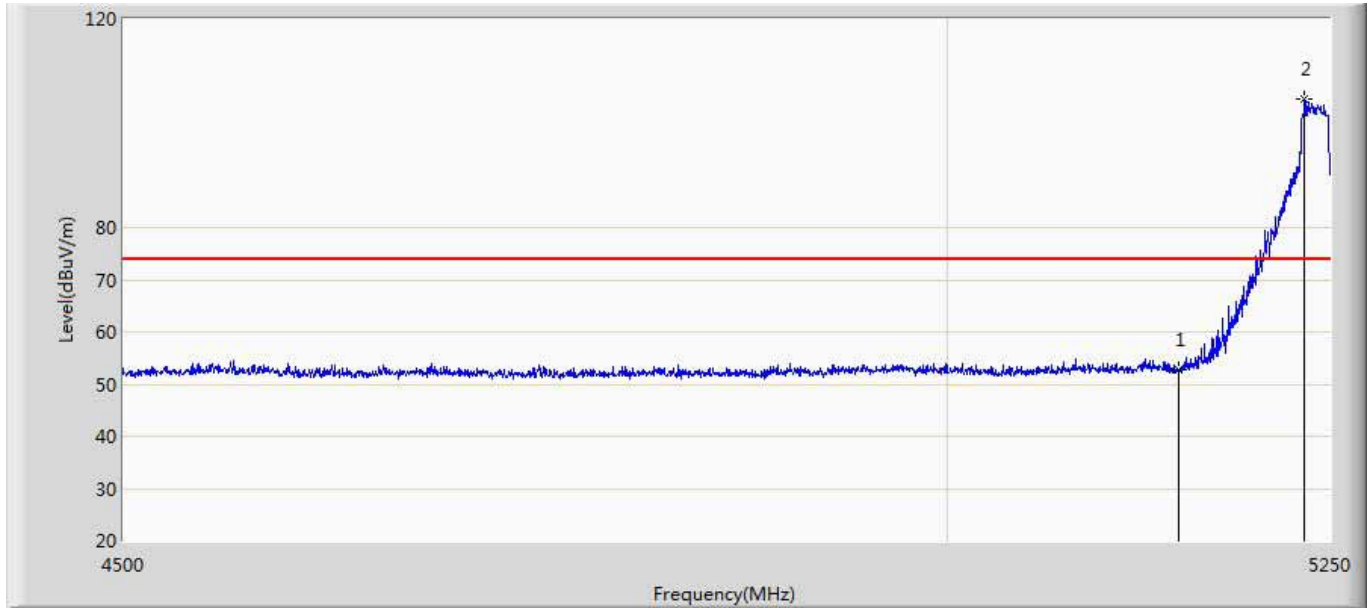
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.894	17.879	-14.106	74.000	42.015	PK
2	*	5236.500	113.357	71.260	N/A	N/A	42.096	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



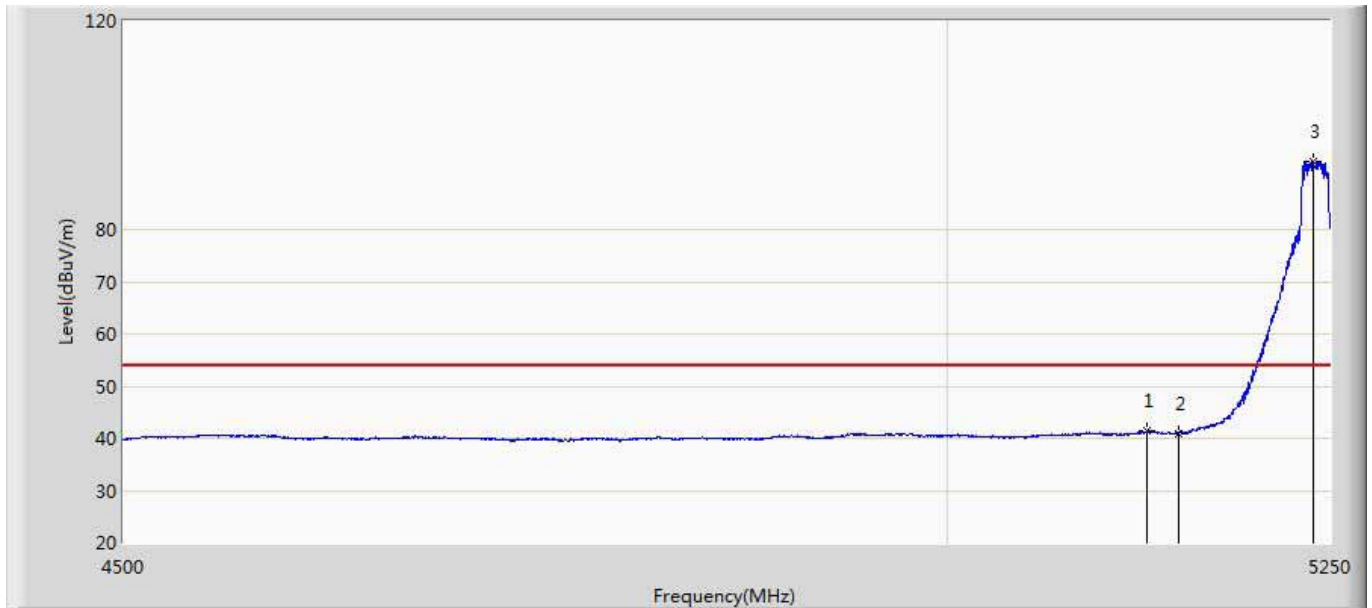
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.965	2.950	-9.035	54.000	42.015	AV
2	*	5237.250	102.592	60.488	N/A	N/A	42.104	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



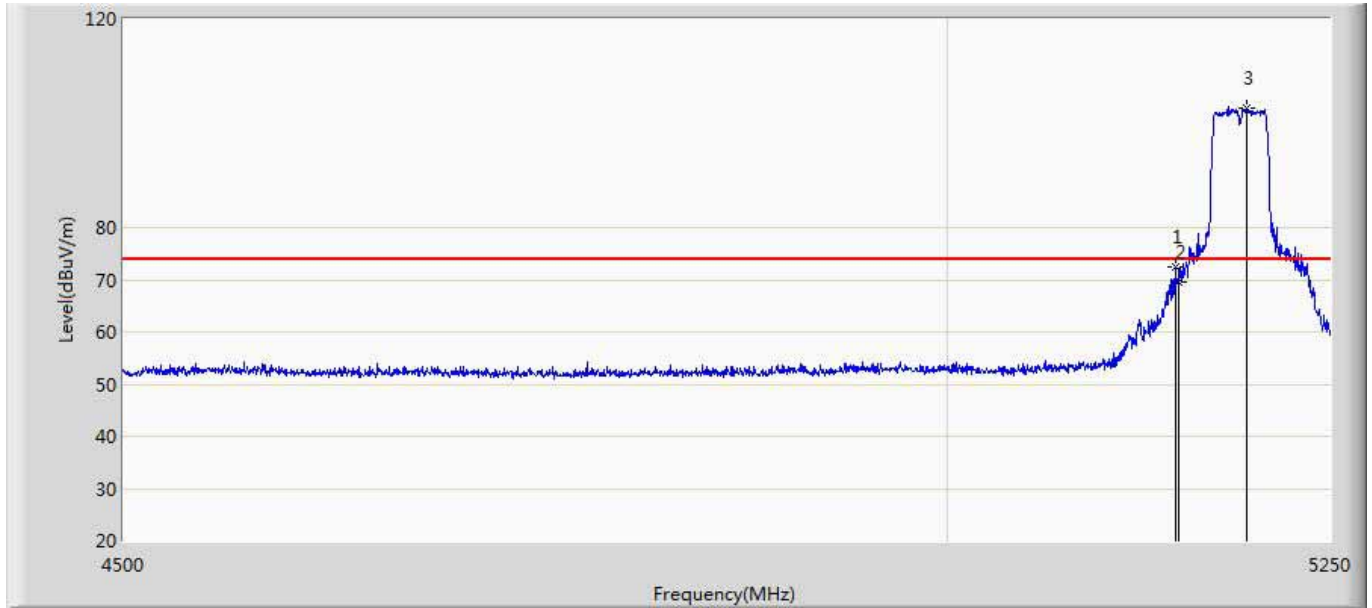
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.829	10.814	-21.171	74.000	42.015	PK
2	*	5233.125	104.686	62.622	N/A	N/A	42.064	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



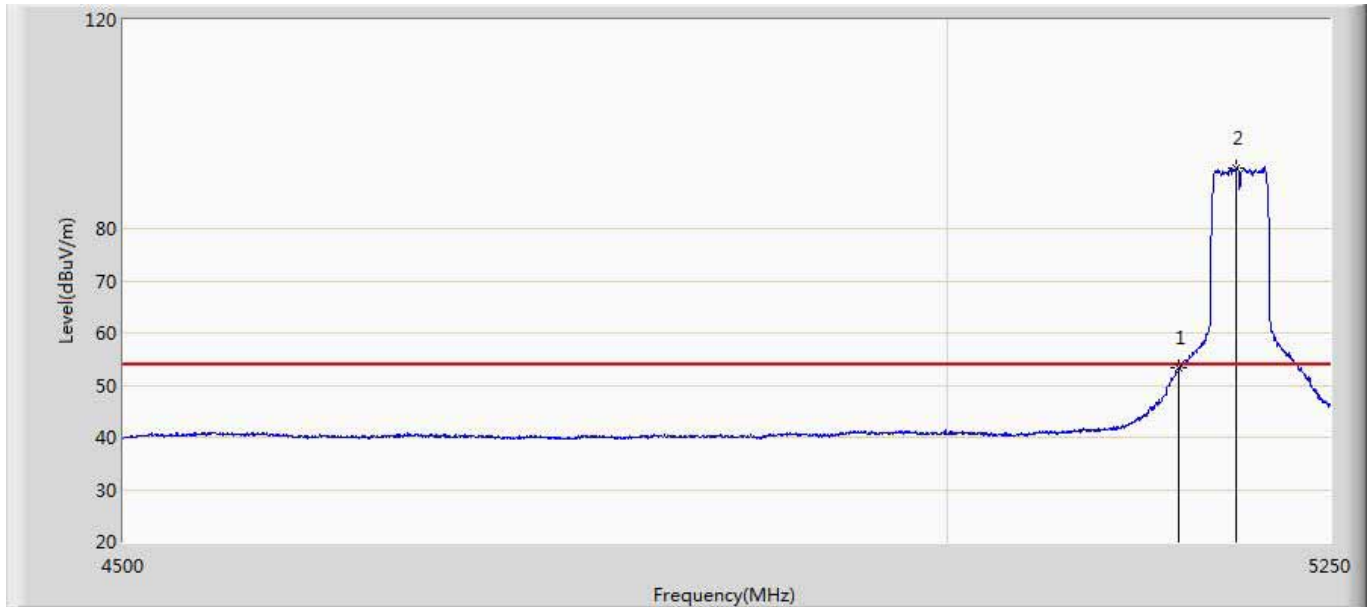
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5128.875	41.355	-0.867	-12.645	54.000	42.222	AV
2		5150.000	40.920	-1.095	-13.080	54.000	42.015	AV
3	*	5238.375	93.184	51.069	N/A	N/A	42.115	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



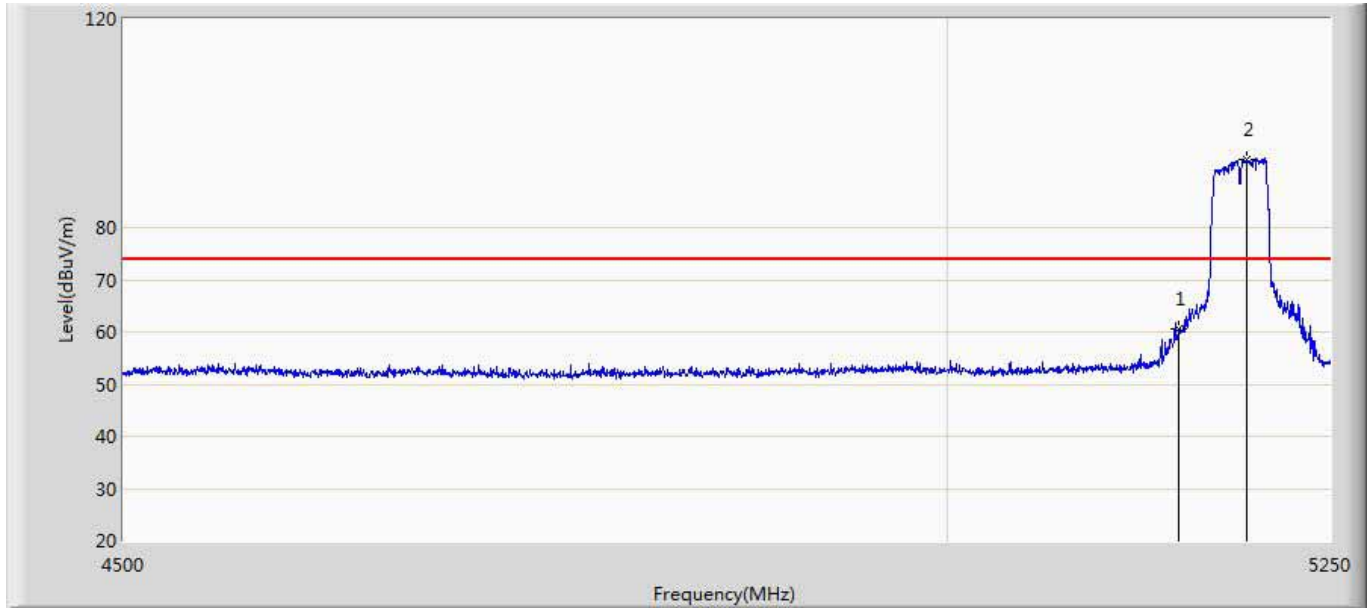
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5147.625	72.385	30.382	-1.615	74.000	42.004	PK
2		5150.000	69.529	27.514	-4.471	74.000	42.015	PK
3	*	5194.500	103.000	60.935	N/A	N/A	42.065	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 19:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



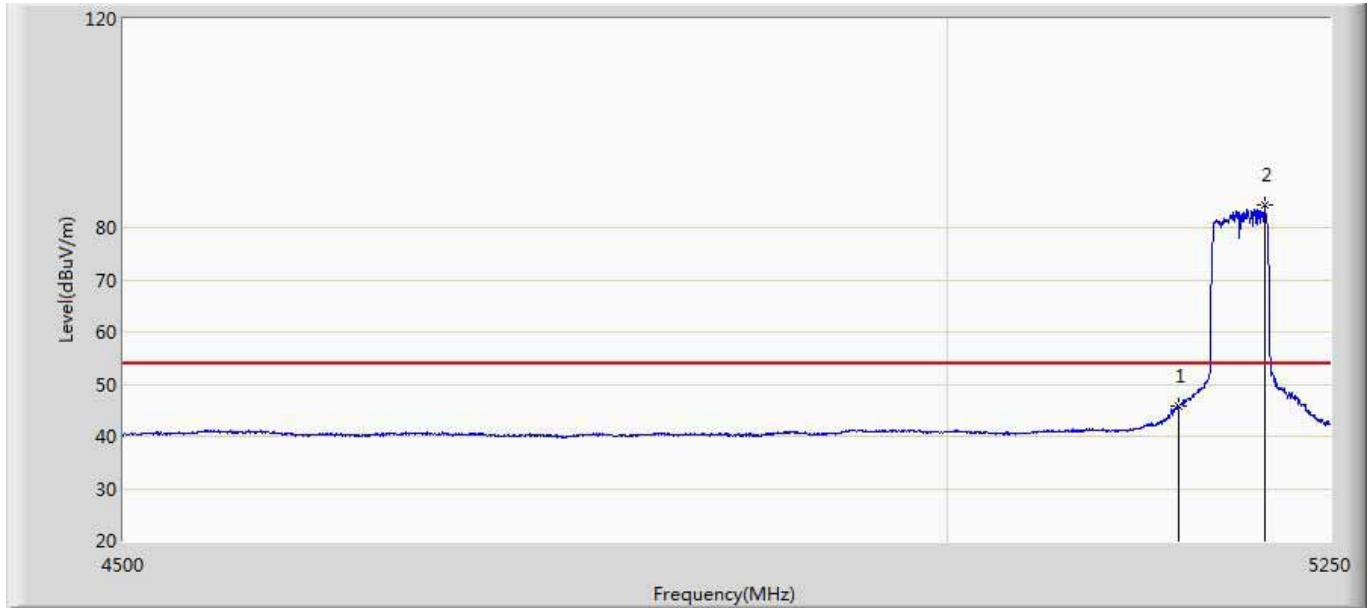
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.414	11.399	-0.586	54.000	42.015	AV
2	*	5187.375	91.659	49.548	N/A	N/A	42.110	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



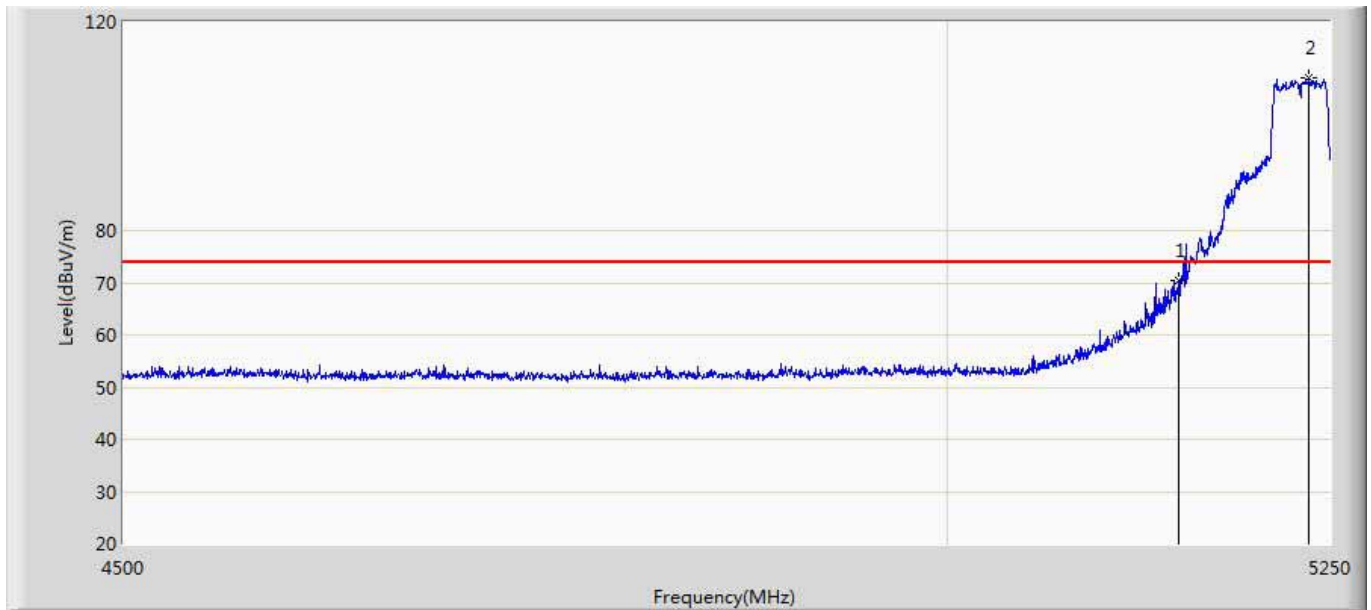
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.646	18.631	-13.354	74.000	42.015	PK
2	*	5194.125	93.176	51.108	N/A	N/A	42.068	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



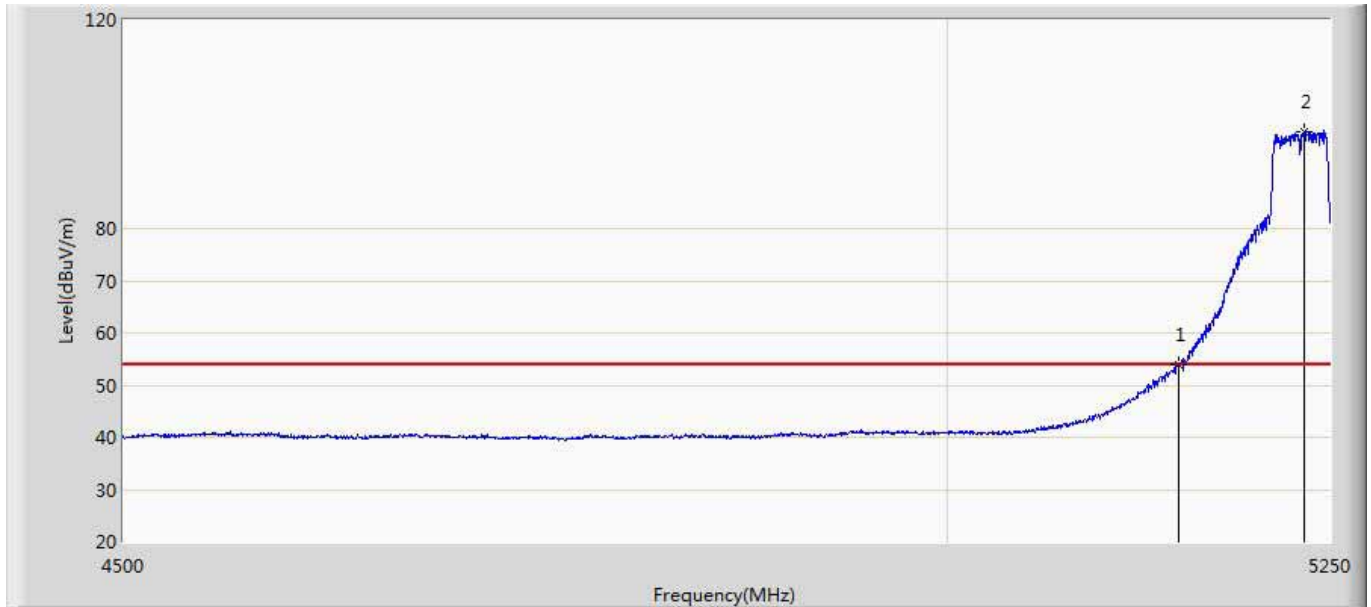
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.867	3.852	-8.133	54.000	42.015	AV
2	*	5206.500	84.203	42.190	N/A	N/A	42.012	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



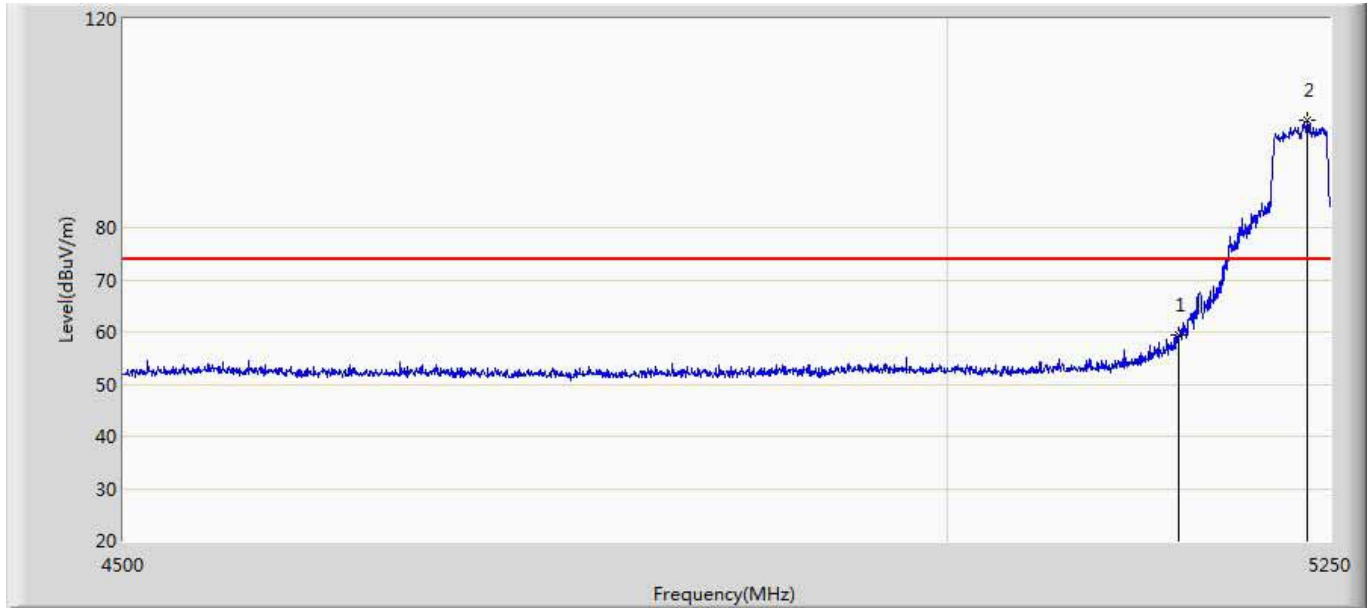
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	70.470	28.455	-3.530	74.000	42.015	PK
2	*	5235.750	109.288	67.198	N/A	N/A	42.090	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



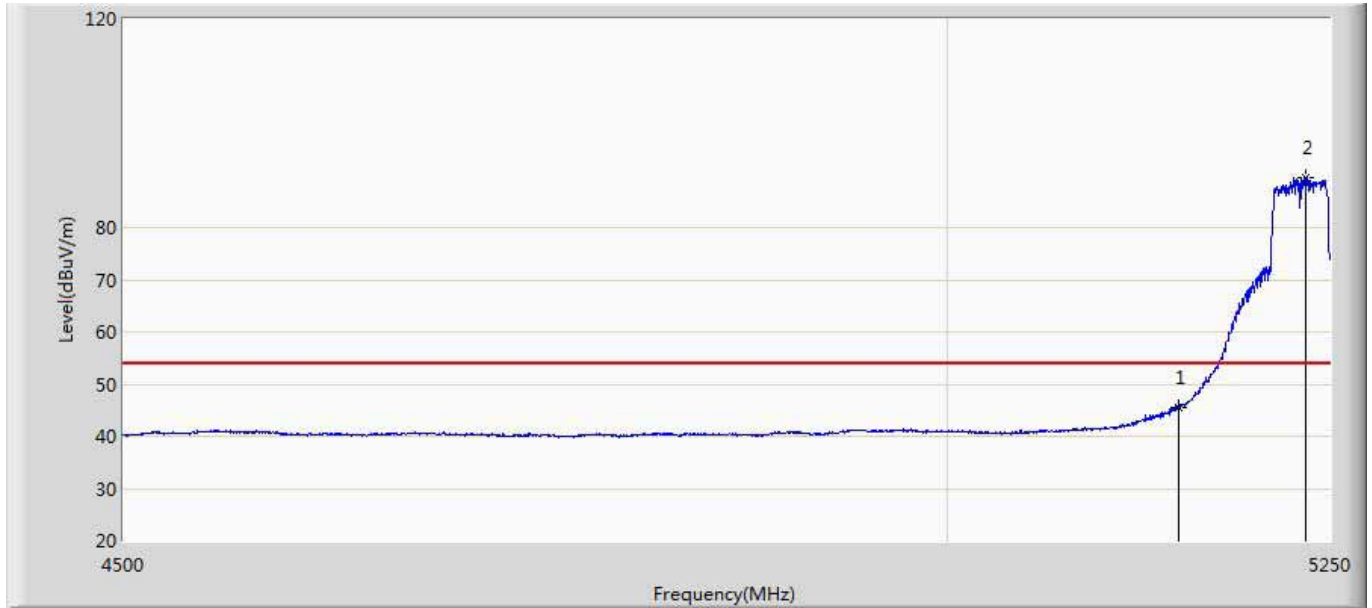
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.980	11.965	-0.020	54.000	42.015	AV
2	*	5232.750	98.483	56.422	N/A	N/A	42.062	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



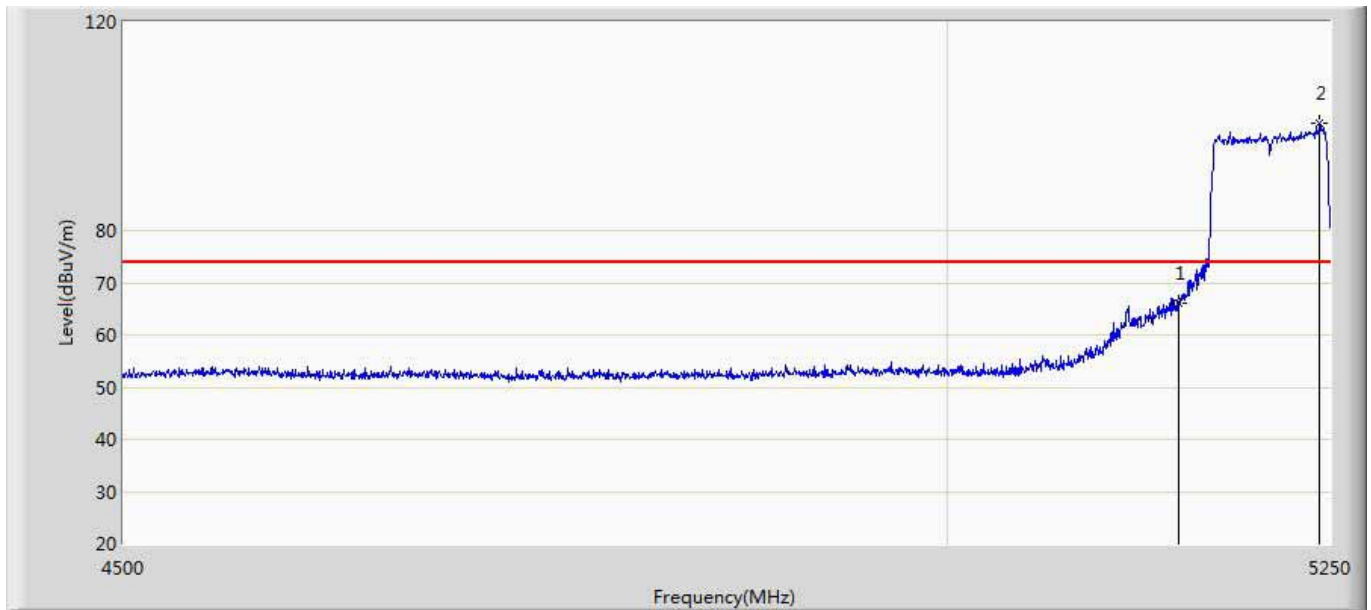
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.447	17.432	-14.553	74.000	42.015	PK
2	*	5235.000	100.514	58.432	N/A	N/A	42.082	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



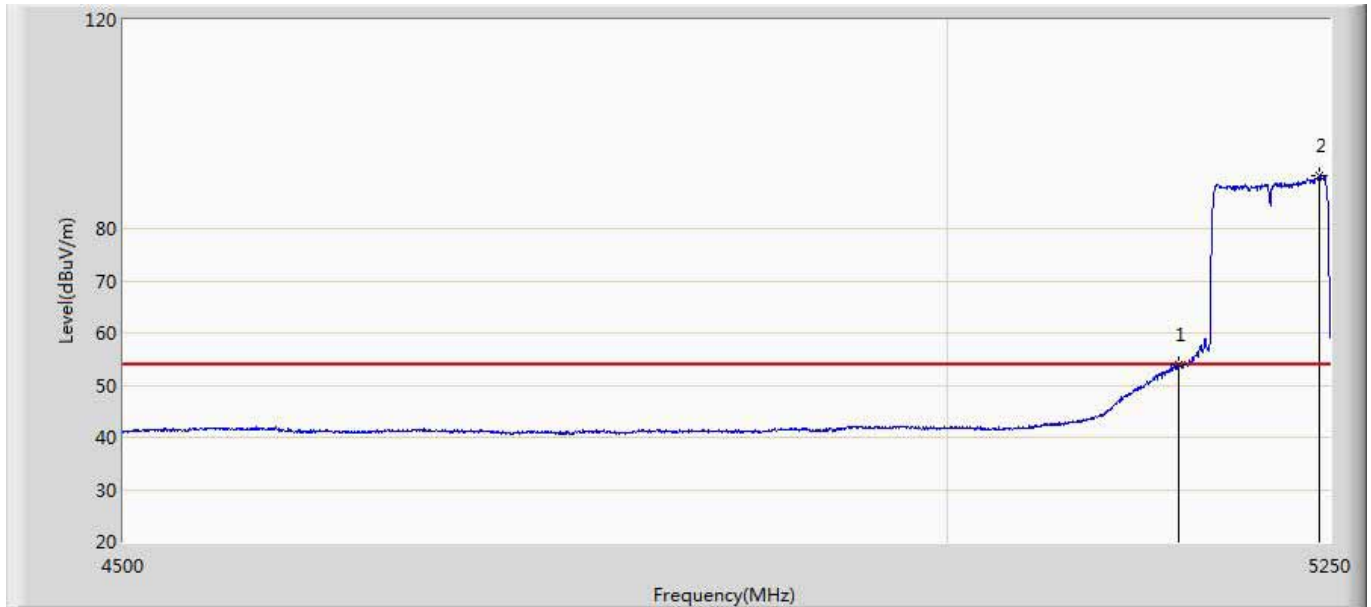
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.644	3.629	-8.356	54.000	42.015	AV
2	*	5234.250	89.487	47.412	N/A	N/A	42.075	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



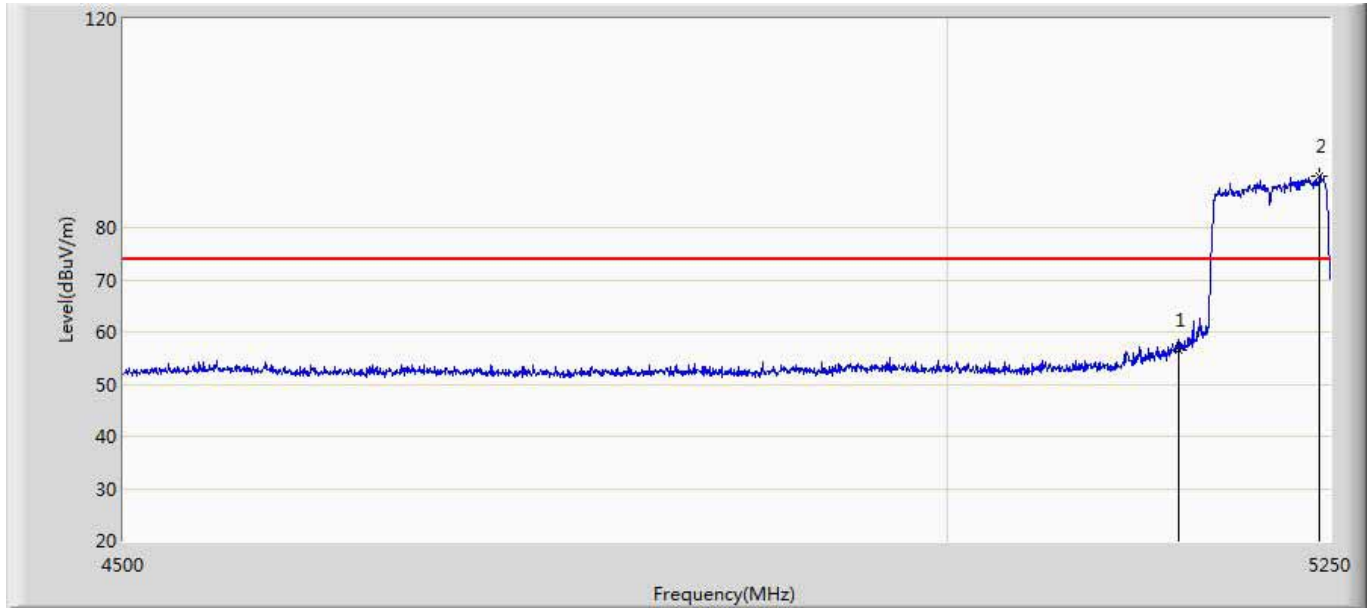
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	66.177	24.162	-7.823	74.000	42.015	PK
2	*	5243.250	100.623	58.459	N/A	N/A	42.163	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



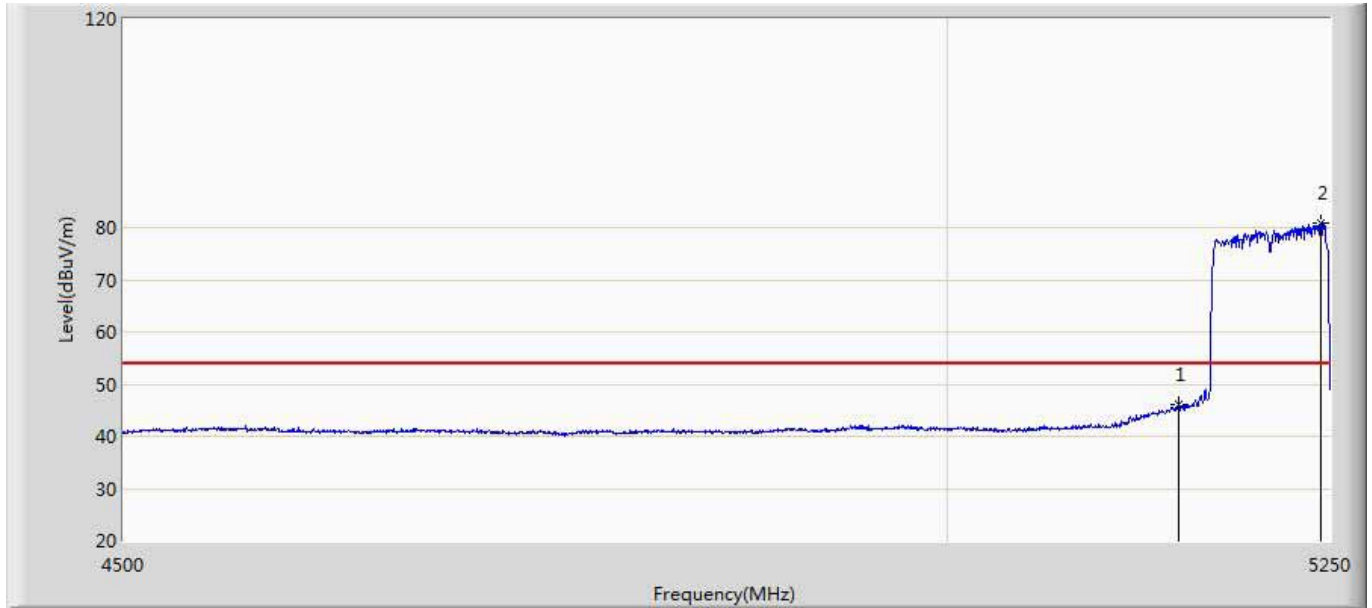
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.913	11.898	-0.087	54.000	42.015	AV
2	*	5242.875	90.053	47.893	N/A	N/A	42.160	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



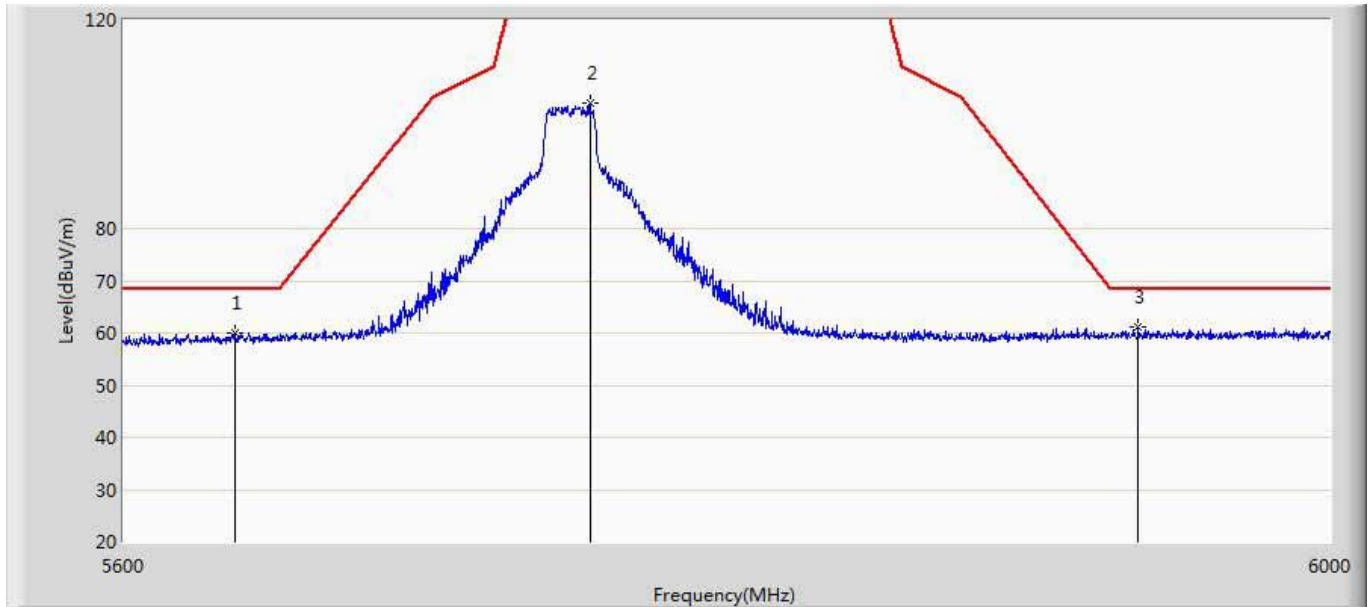
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	56.600	14.585	-17.400	74.000	42.015	PK
2	*	5243.250	89.974	47.810	N/A	N/A	42.163	PK

Engineer: Scott	
Site: AC5	Time: 2016/04/27 - 20:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



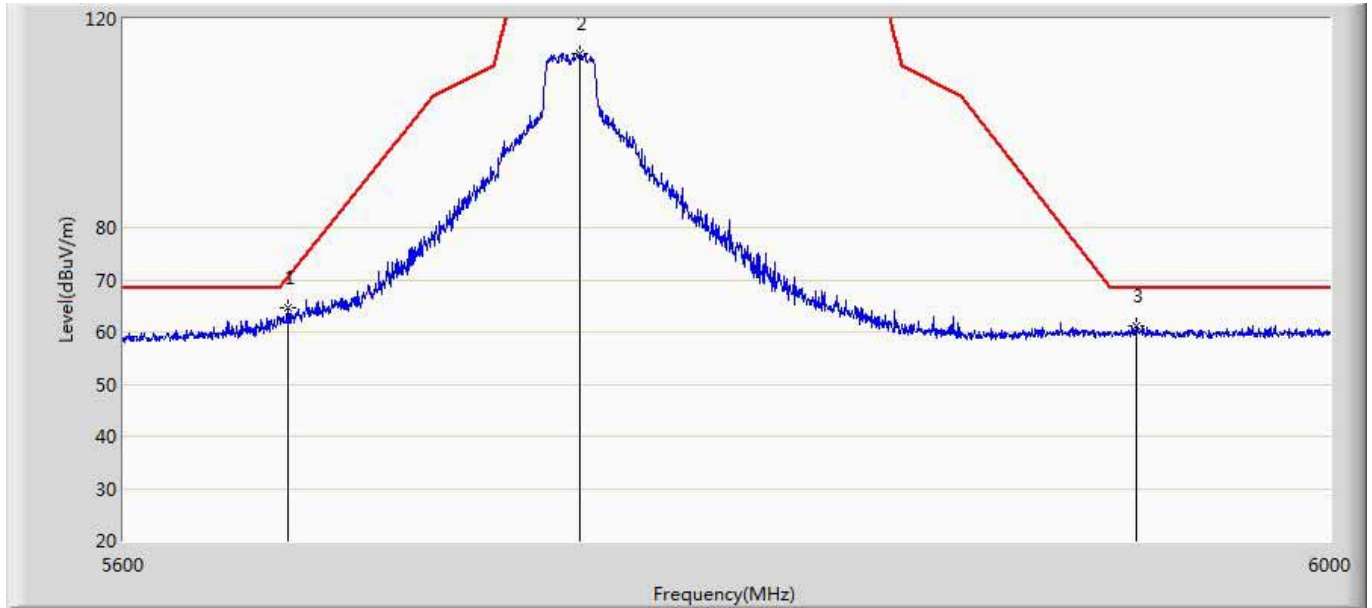
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.207	4.192	-7.793	54.000	42.015	AV
2	*	5244.375	80.906	38.731	N/A	N/A	42.174	AV

Engineer: Scott	
Site: AC5	Time: 2016/04/28 - 11:43
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5745MHz by 802.11a	



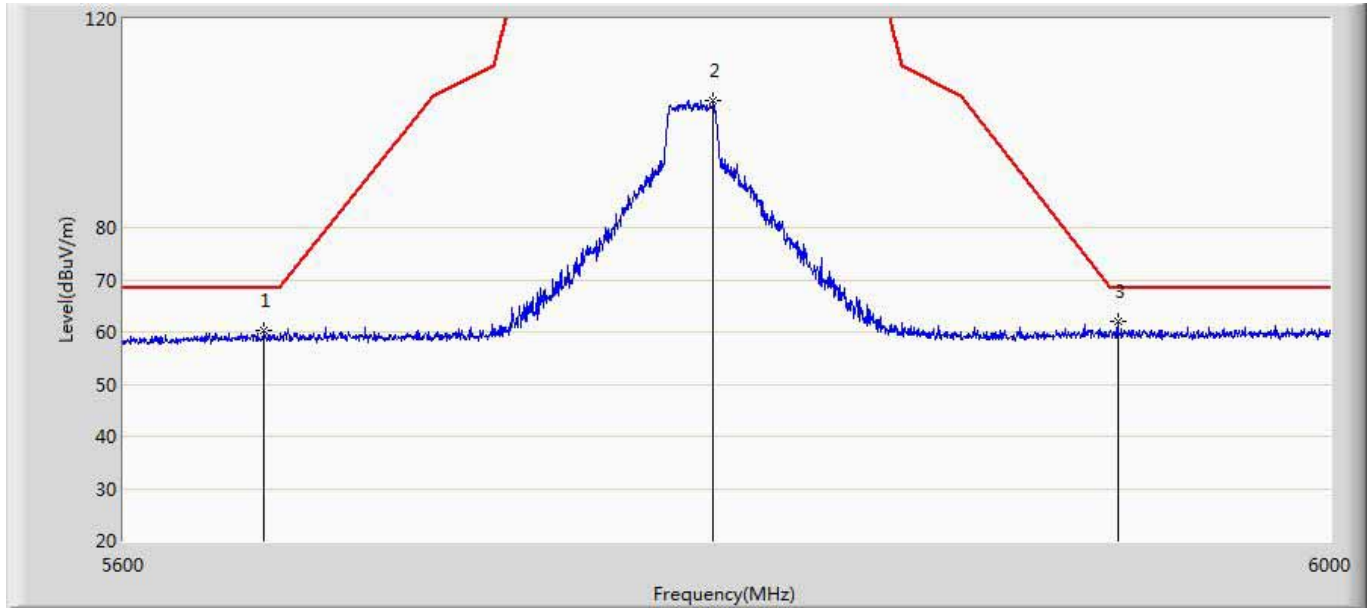
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5635.800	60.114	17.144	-8.186	68.300	42.970	PK
2		5751.400	104.088	60.815	-195.912	300.000	43.273	PK
3	*	5934.600	61.092	17.406	-7.208	68.300	43.685	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:24
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5745MHz by 802.11a	



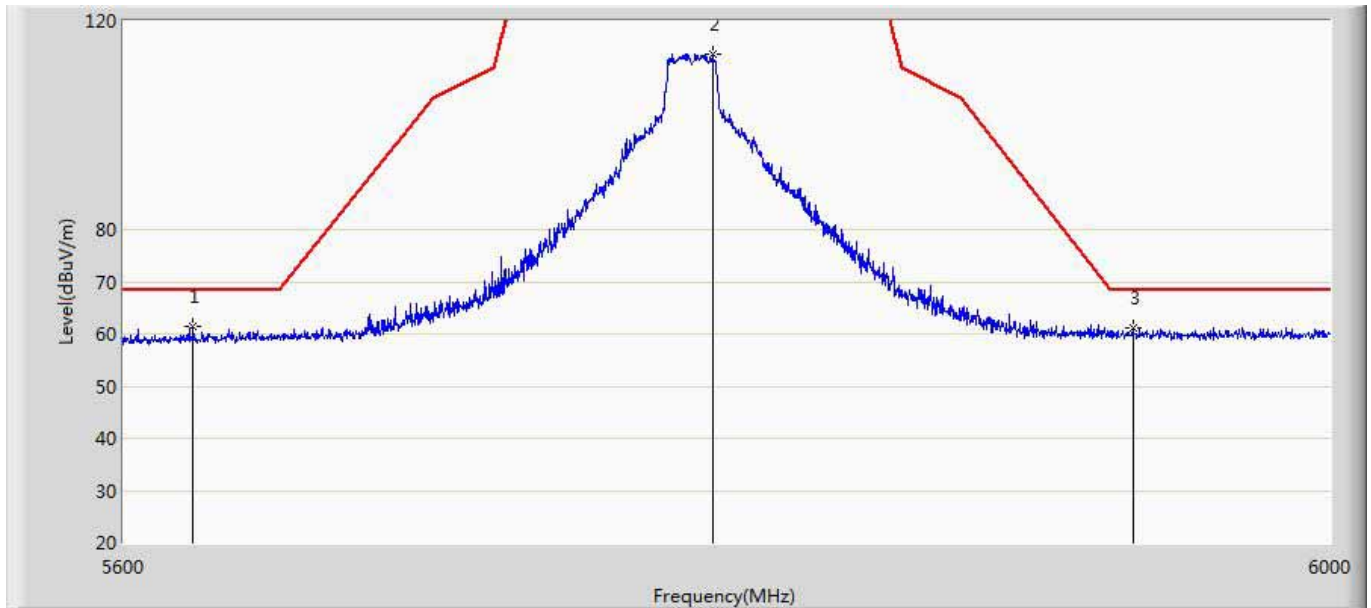
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5652.800	64.628	21.550	-5.753	70.381	43.078	PK
2		5748.000	113.409	70.124	N/A	N/A	43.285	PK
3		5934.000	61.258	17.571	-7.042	68.300	43.687	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:26
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5785MHz by 802.11a	



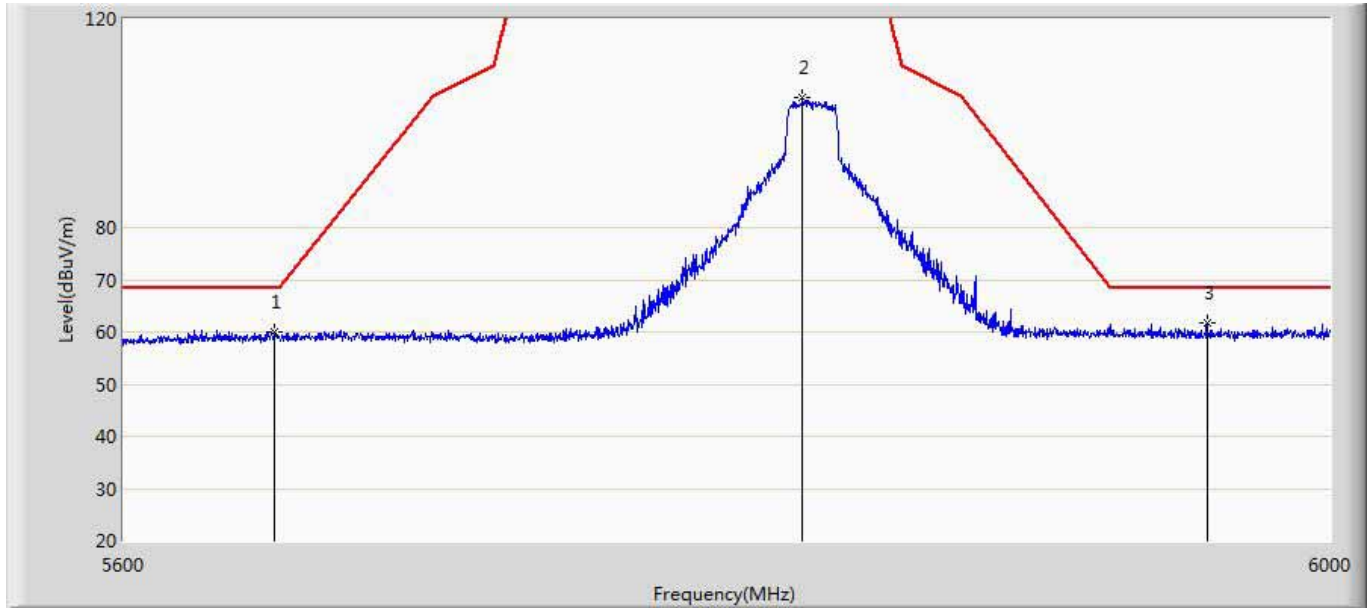
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5645.200	60.301	17.265	-7.999	68.300	43.036	PK
2		5792.200	104.403	61.111	N/A	N/A	43.292	PK
3	*	5927.600	62.003	18.277	-6.297	68.300	43.726	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:27
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5785MHz by 802.11a	



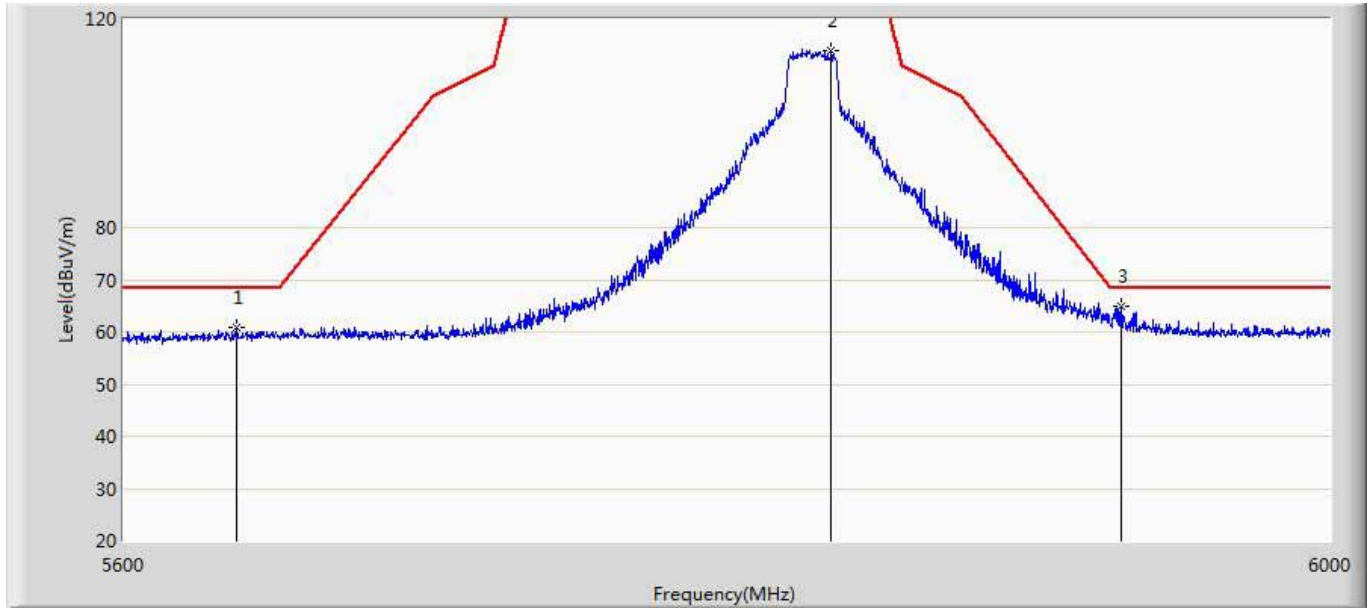
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5622.400	61.338	18.466	-6.962	68.300	42.873	PK
2		5791.800	113.757	70.464	N/A	N/A	43.294	PK
3		5932.800	61.148	17.460	-7.152	68.300	43.688	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:30
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5825MHz by 802.11a	



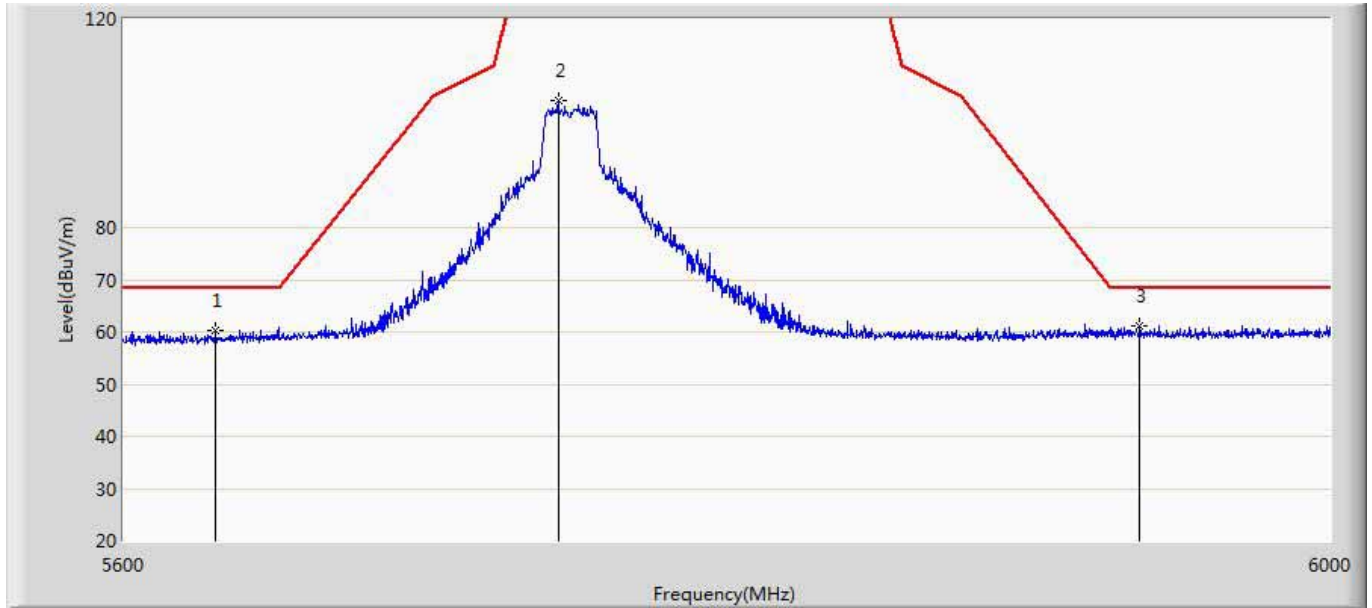
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5648.800	60.047	16.992	-8.253	68.300	43.055	PK
2		5821.800	104.870	61.475	N/A	N/A	43.395	PK
3	*	5958.000	61.602	17.893	-6.698	68.300	43.709	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:31
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 1: Transmit at 5825MHz by 802.11a	



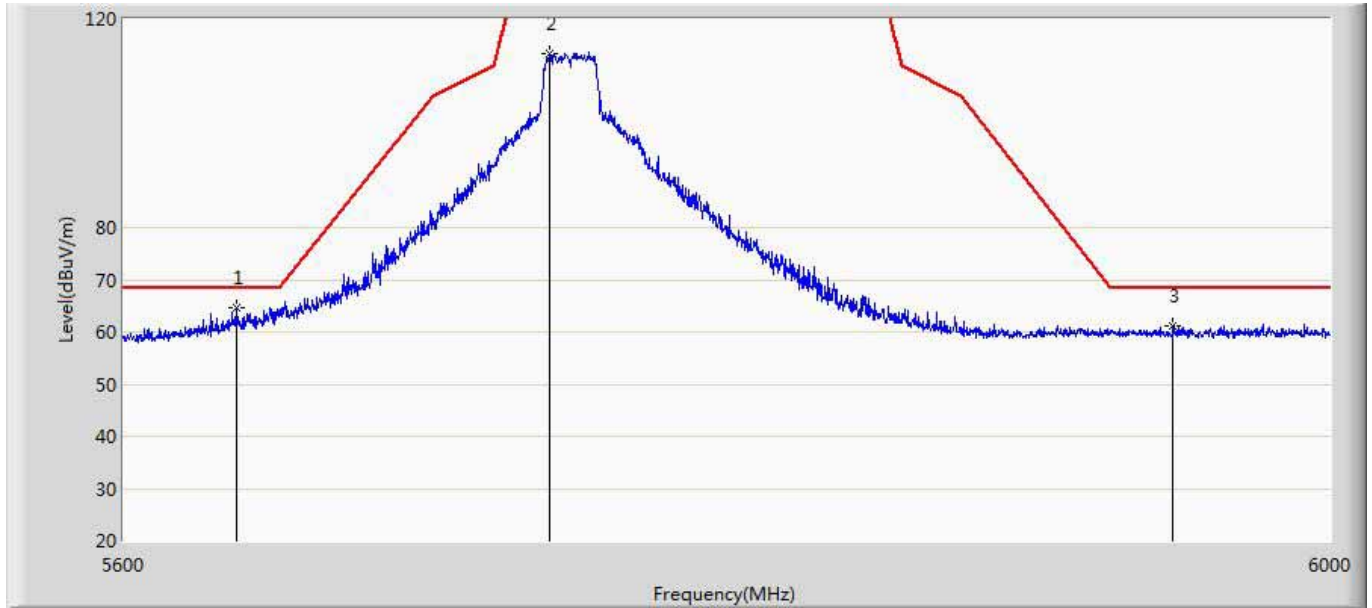
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5636.600	60.749	17.772	-7.551	68.300	42.976	PK
2		5831.200	113.992	70.578	N/A	N/A	43.414	PK
3	*	5928.600	64.923	21.211	-3.377	68.300	43.712	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:33
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2: Transmit at 5745MHz by 802.11n20	



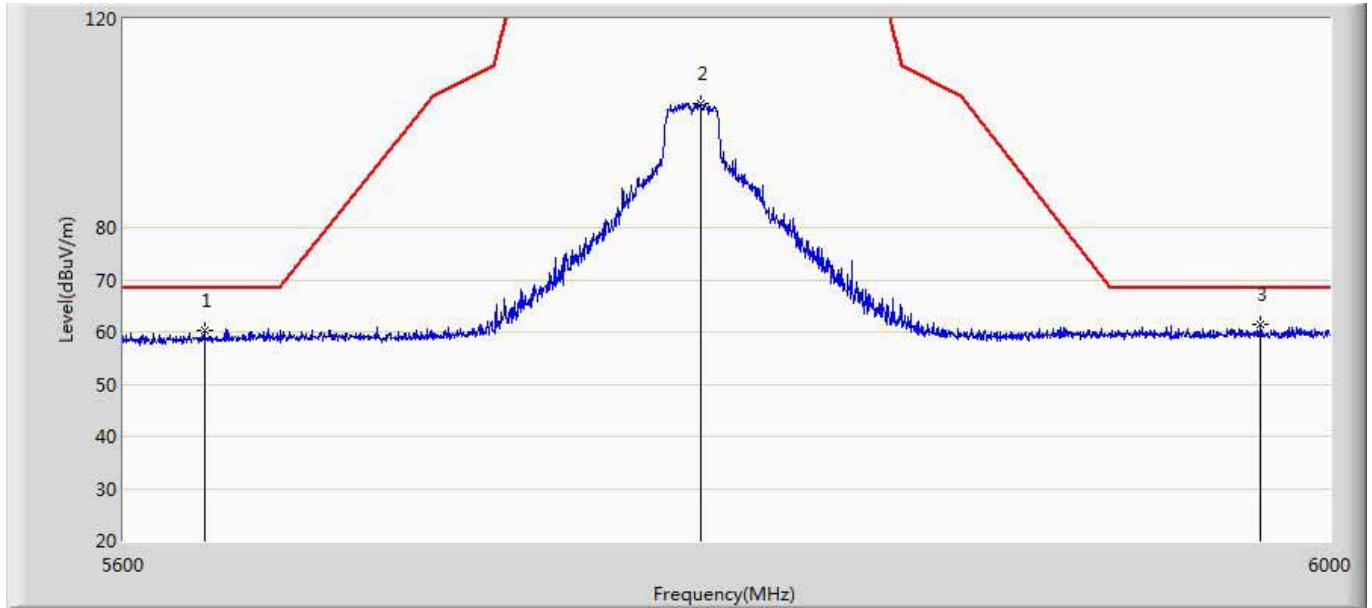
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5629.800	60.327	17.406	-7.973	68.300	42.921	PK
2		5741.000	104.305	61.007	N/A	N/A	43.298	PK
3	*	5935.000	61.077	17.392	-7.223	68.300	43.685	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:35
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5745MHz by 802.11n20	



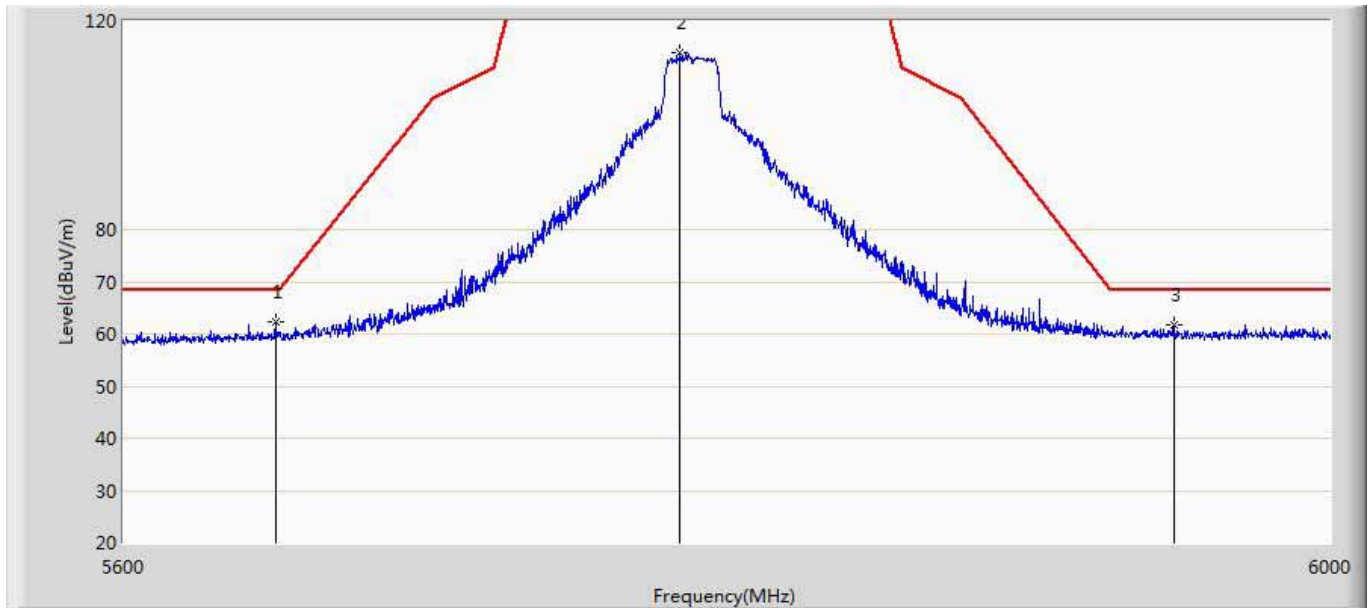
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5636.600	64.745	21.768	-3.555	68.300	42.976	PK
2		5738.400	113.341	70.049	N/A	N/A	43.292	PK
3		5946.400	61.175	17.505	-7.125	68.300	43.670	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:36
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2: Transmit at 5785MHz by 802.11n20	



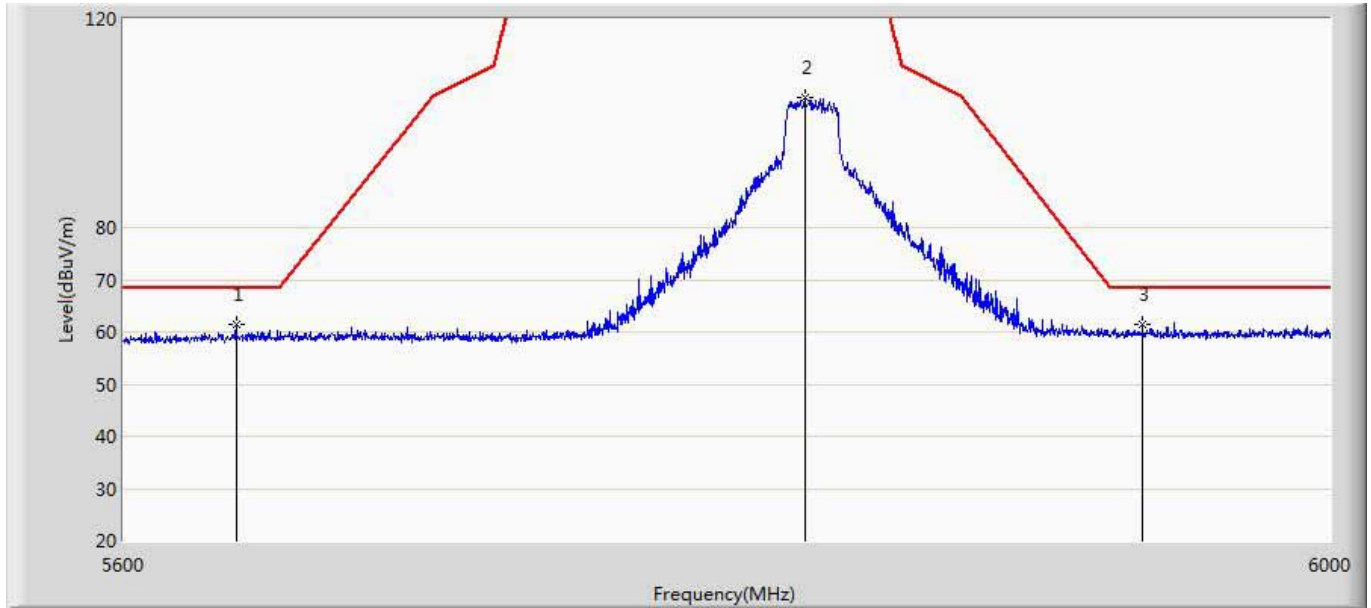
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5626.000	60.422	17.532	-7.878	68.300	42.891	PK
2		5787.800	103.807	60.501	N/A	N/A	43.306	PK
3	*	5976.400	61.422	17.645	-6.878	68.300	43.777	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:38
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5785MHz by 802.11n20	



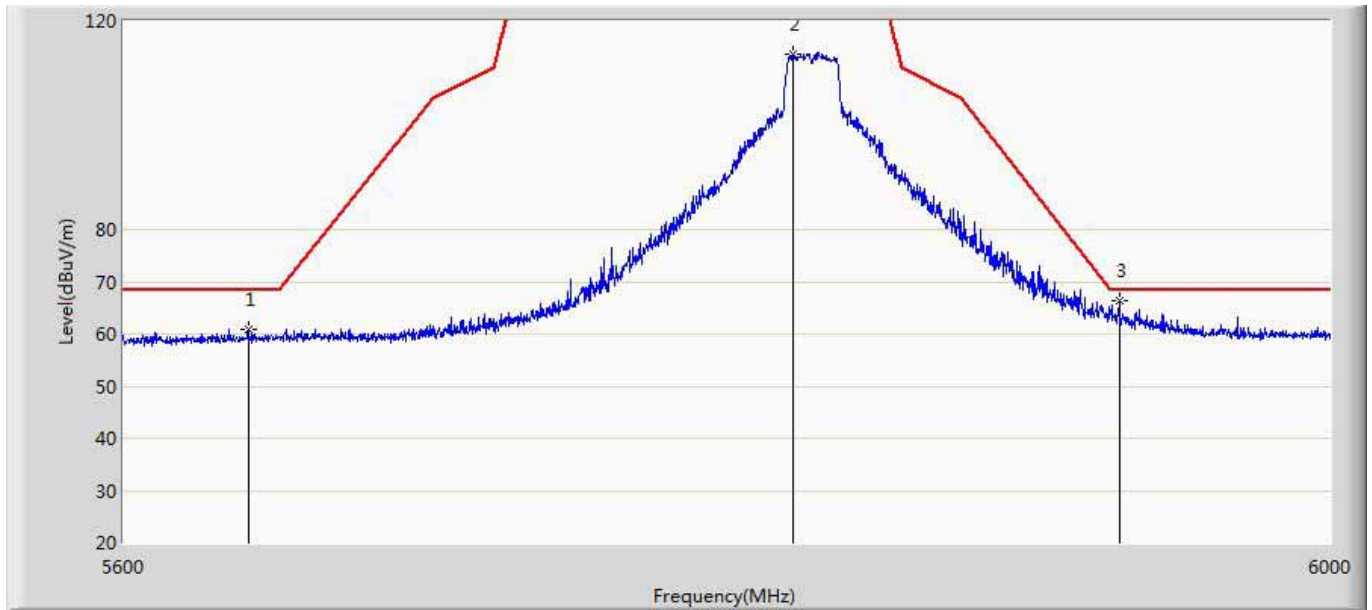
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5649.000	62.345	19.288	-5.955	68.300	43.056	PK
2		5781.200	113.981	70.654	N/A	N/A	43.327	PK
3		5946.600	61.849	18.179	-6.451	68.300	43.669	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:40
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 802.11n20	



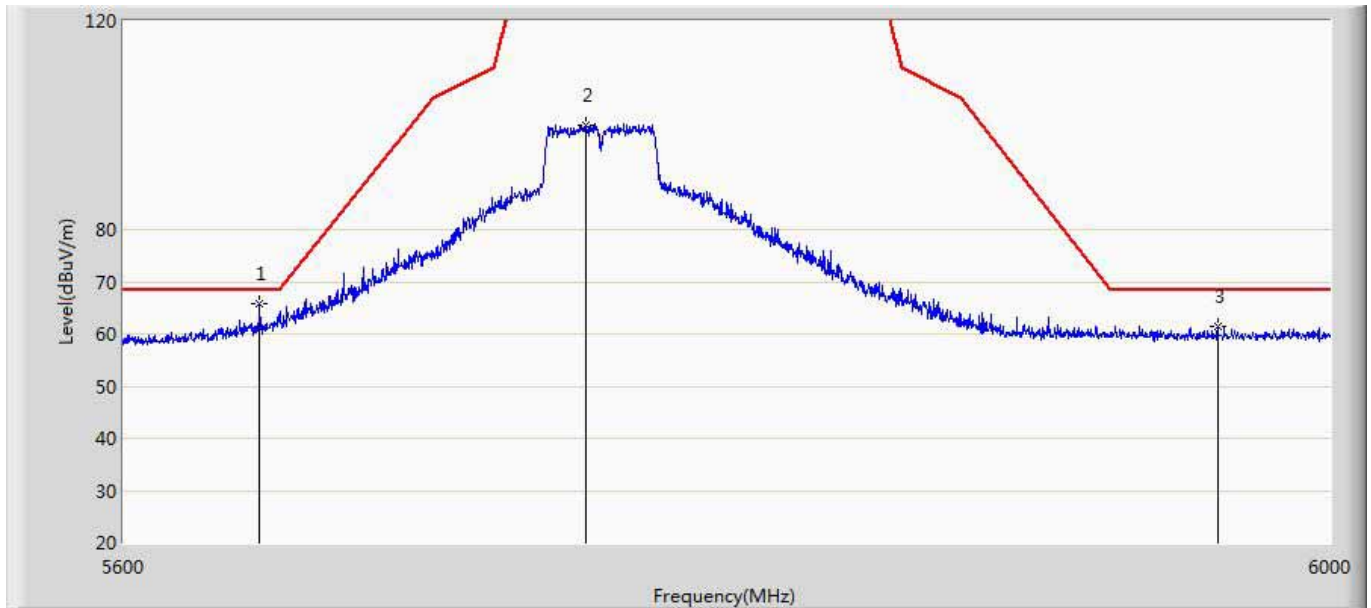
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5636.200	61.496	18.523	-6.804	68.300	42.974	PK
2		5822.600	104.975	61.578	N/A	N/A	43.397	PK
3		5936.000	61.334	17.650	-6.966	68.300	43.684	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:42
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 802.11n20	



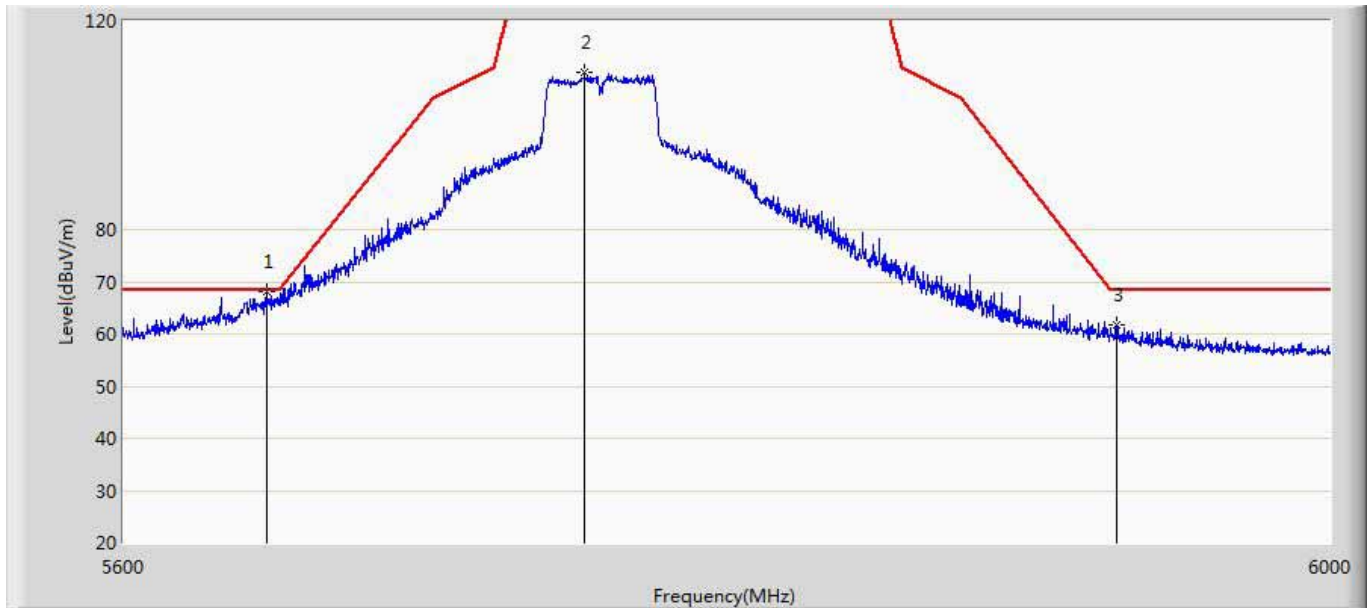
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5640.200	60.751	17.745	-7.549	68.300	43.006	PK
2		5818.600	113.672	70.284	N/A	N/A	43.388	PK
3	*	5928.200	66.431	22.714	-1.869	68.300	43.717	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:43
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3: Transmit at 5755MHz by 802.11n40	



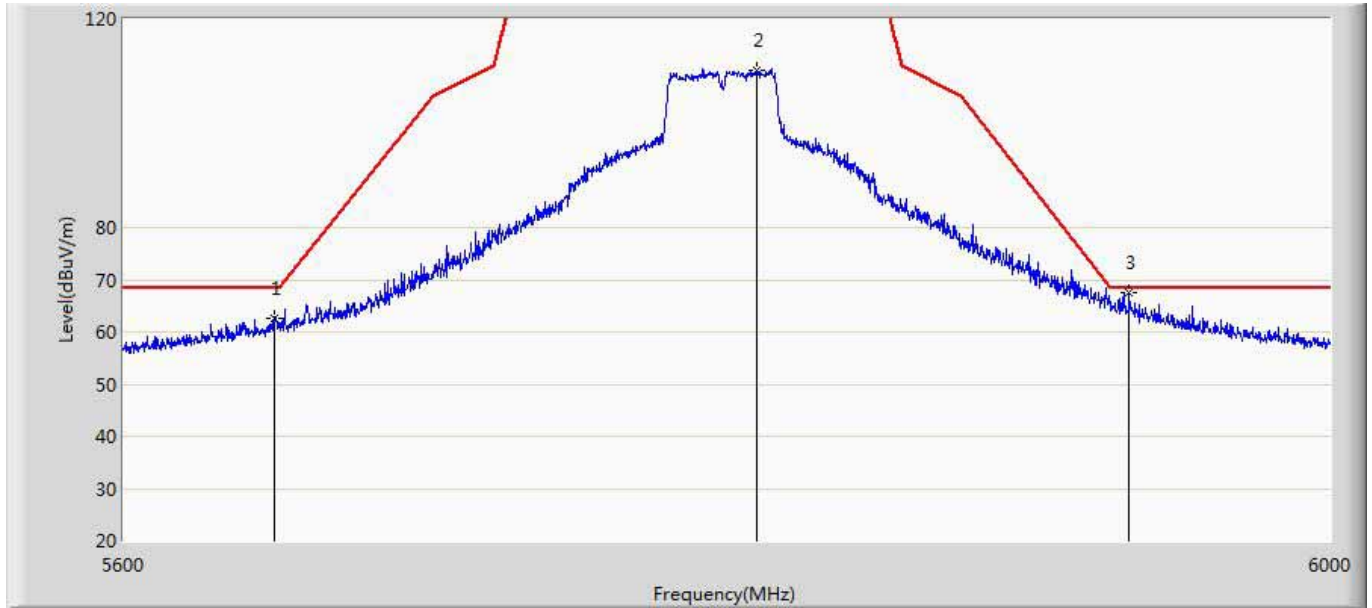
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5643.800	65.927	22.899	-2.373	68.300	43.028	PK
2		5750.000	99.995	56.717	N/A	N/A	43.278	PK
3		5961.600	61.398	17.676	-6.902	68.300	43.722	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:45
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz by 802.11n40	



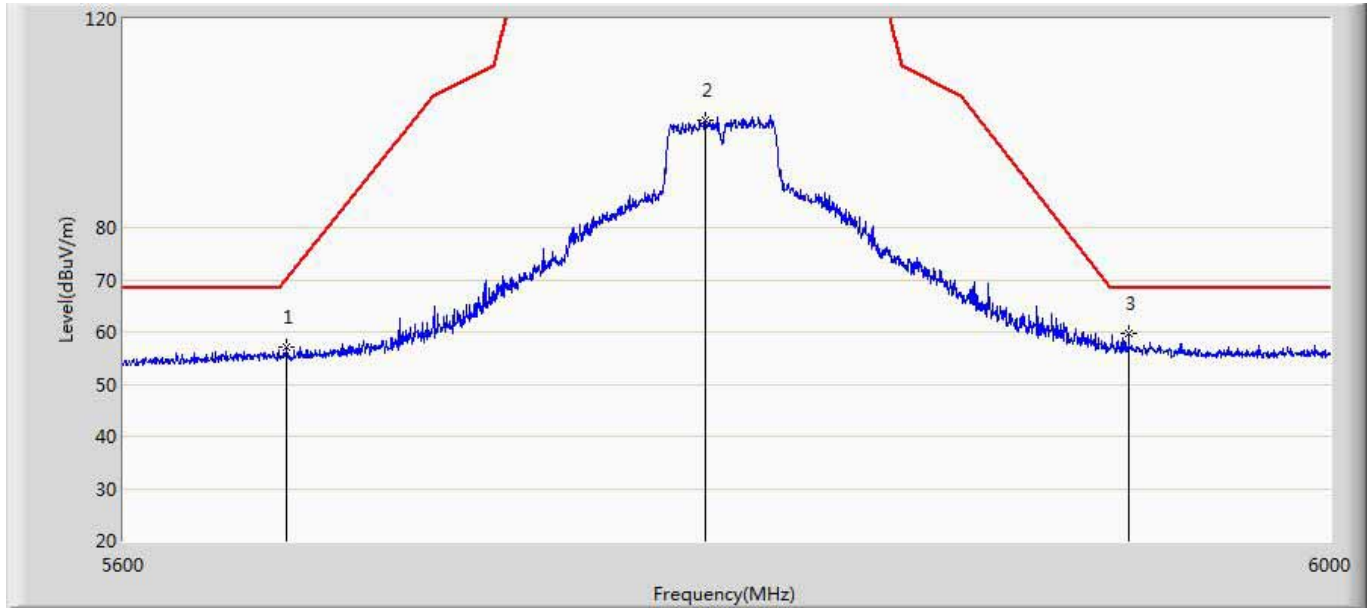
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5646.400	67.985	24.943	-0.315	68.300	43.043	PK
2		5749.600	110.282	67.003	N/A	N/A	43.279	PK
3		5927.400	61.824	18.096	-6.476	68.300	43.728	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:50
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 802.11n40	



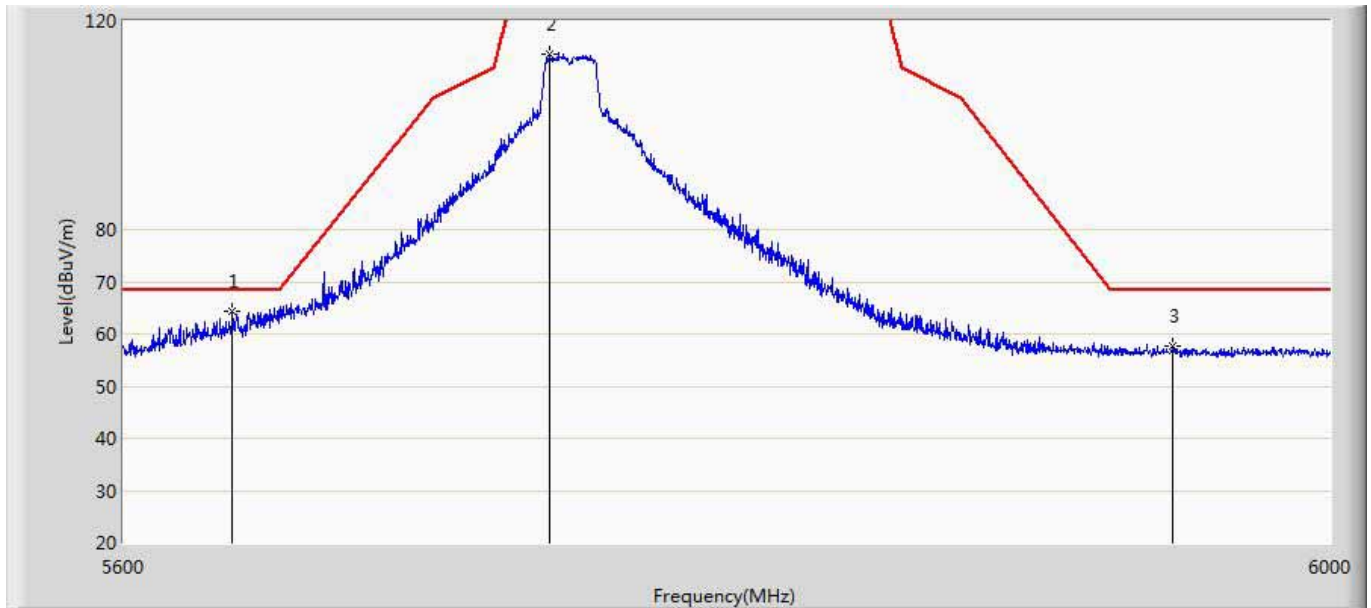
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5648.400	62.748	19.695	-5.552	68.300	43.053	PK
2		5806.400	110.091	66.743	N/A	N/A	43.348	PK
3	*	5931.600	67.569	23.879	-0.731	68.300	43.690	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:54
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 802.11n40	



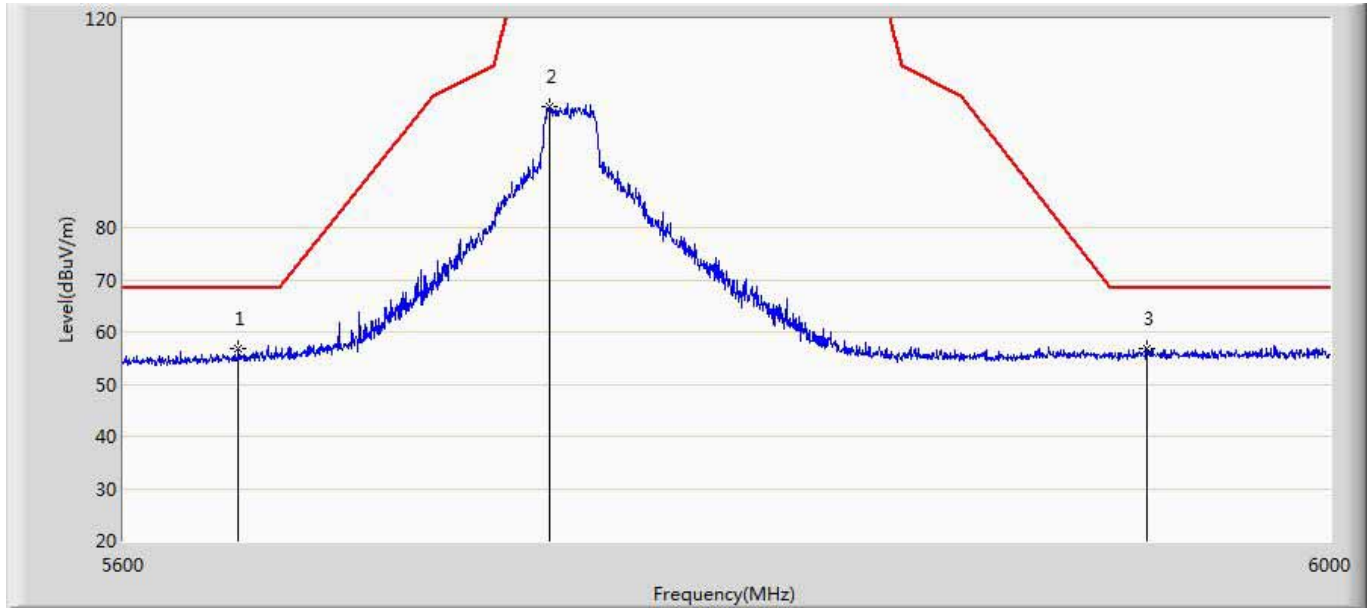
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5652.600	57.226	14.150	-13.006	70.232	43.076	PK
2		5789.600	100.634	57.333	N/A	N/A	43.301	PK
3	*	5931.400	59.731	16.041	-8.569	68.300	43.690	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:56
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 802.11ac20	



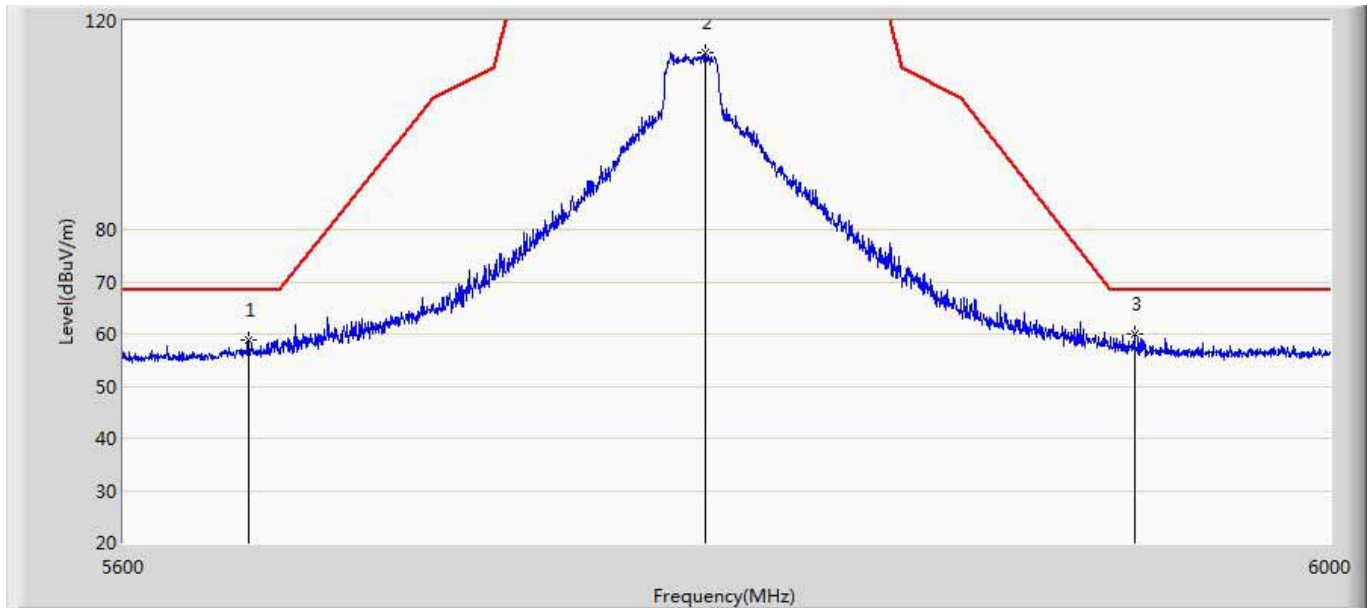
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5635.200	64.320	21.355	-3.980	68.300	42.965	PK
2		5738.200	113.765	70.474	N/A	N/A	43.291	PK
3		5946.400	57.696	14.026	-10.604	68.300	43.670	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 09:59
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 802.11ac20	



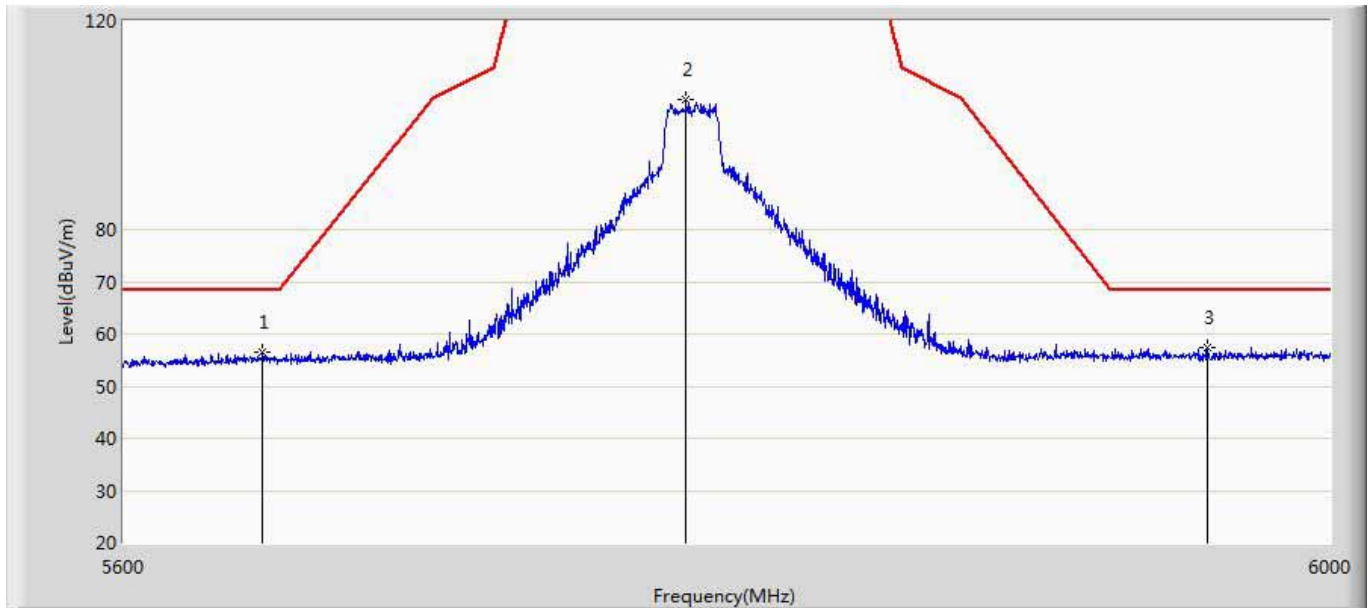
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5637.000	56.794	13.814	-11.506	68.300	42.980	PK
2		5738.200	103.312	60.021	N/A	N/A	43.291	PK
3	*	5937.800	56.909	13.227	-11.391	68.300	43.682	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:00
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 802.11ac20	



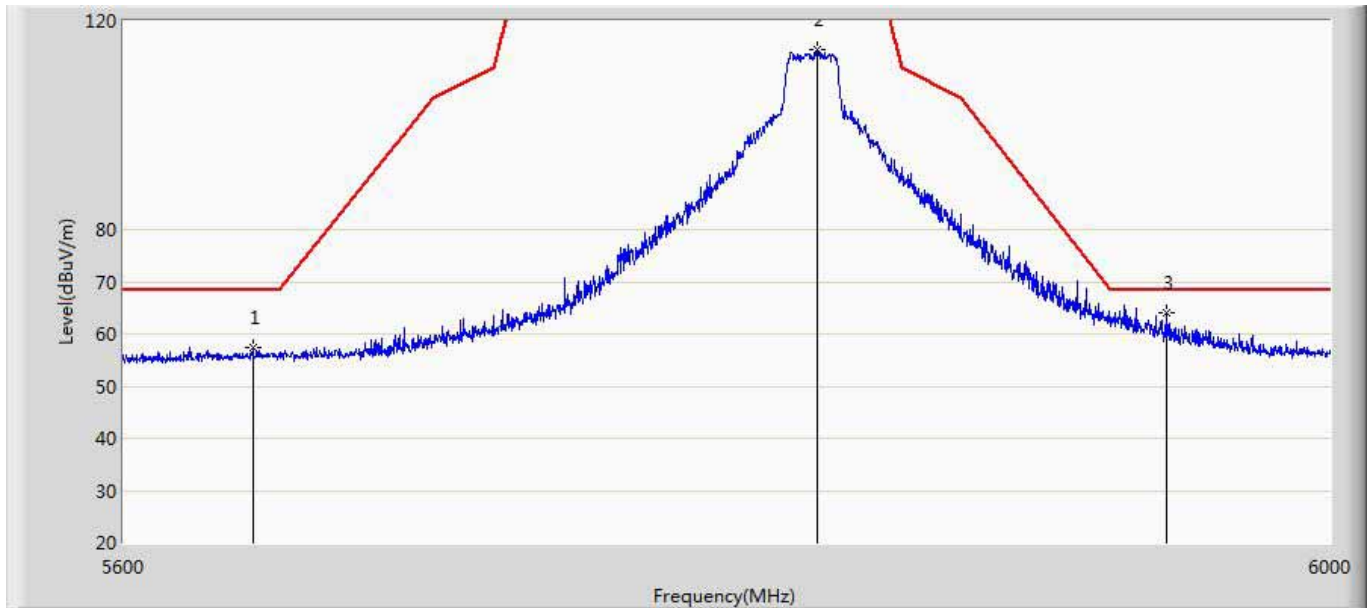
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5640.400	58.865	15.858	-9.435	68.300	43.007	PK
2		5789.600	114.029	70.728	N/A	N/A	43.301	PK
3	*	5933.200	59.873	16.185	-8.427	68.300	43.688	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:02
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 802.11ac20	



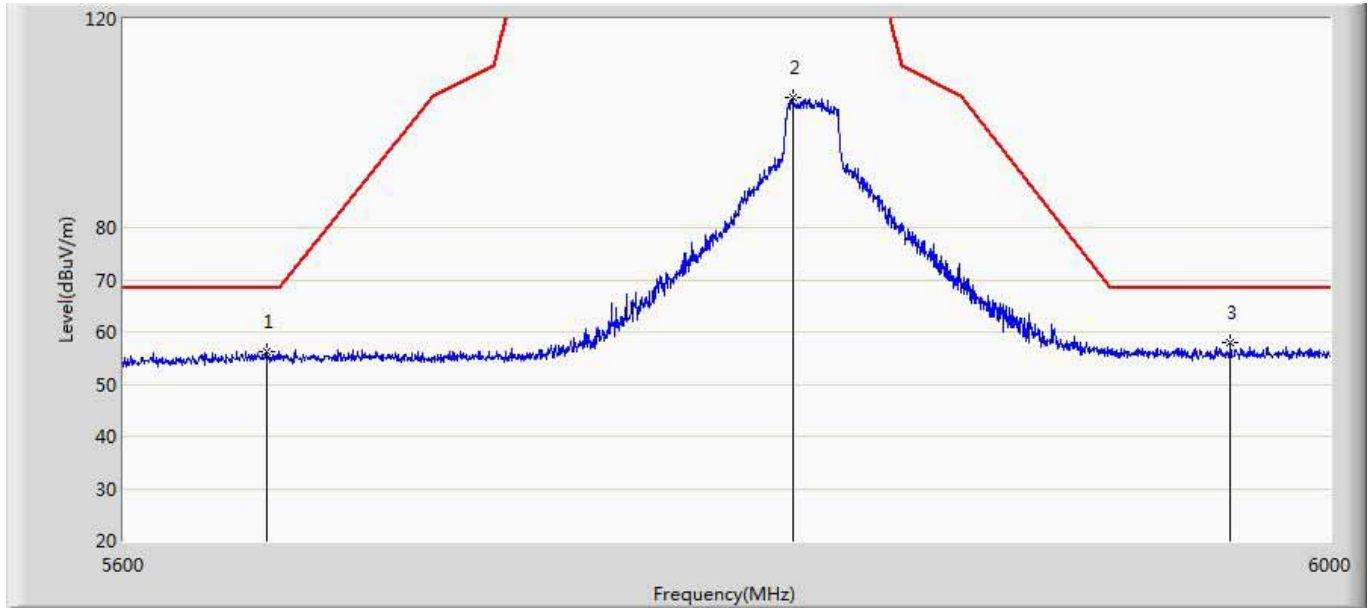
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5644.800	56.509	13.476	-11.791	68.300	43.033	PK
2		5783.200	104.877	61.556	N/A	N/A	43.321	PK
3	*	5958.200	57.448	13.739	-10.852	68.300	43.710	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:04
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 802.11ac20	



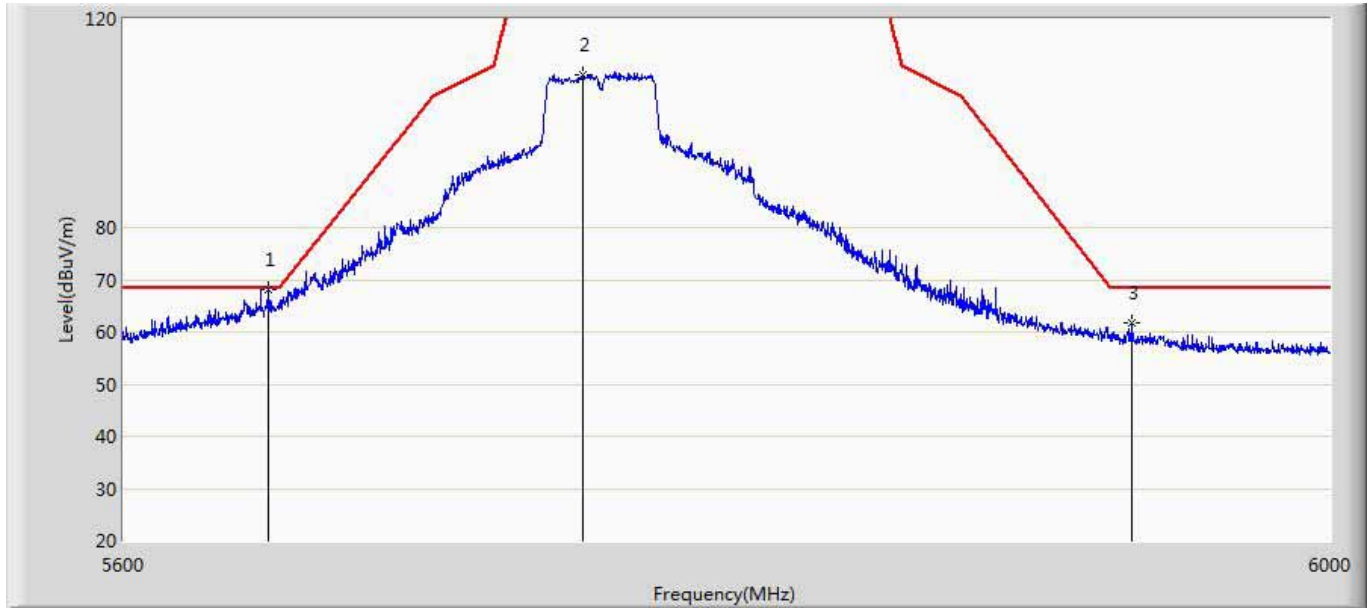
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5641.800	57.464	14.447	-10.836	68.300	43.017	PK
2		5826.600	114.531	71.125	N/A	N/A	43.406	PK
3	*	5944.400	64.048	20.375	-4.252	68.300	43.672	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:06
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 802.11ac20	



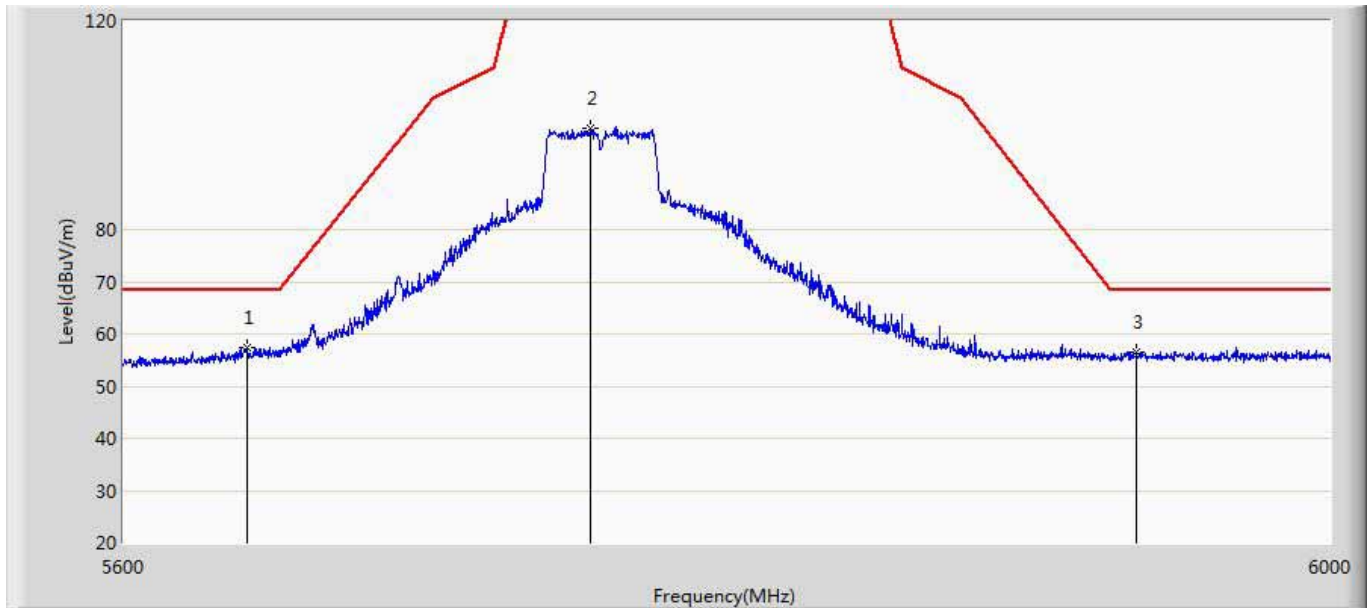
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5646.000	56.266	13.226	-12.034	68.300	43.040	PK
2		5818.400	104.986	61.598	N/A	N/A	43.387	PK
3	*	5966.000	57.887	14.149	-10.413	68.300	43.738	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:12
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 802.11ac40	



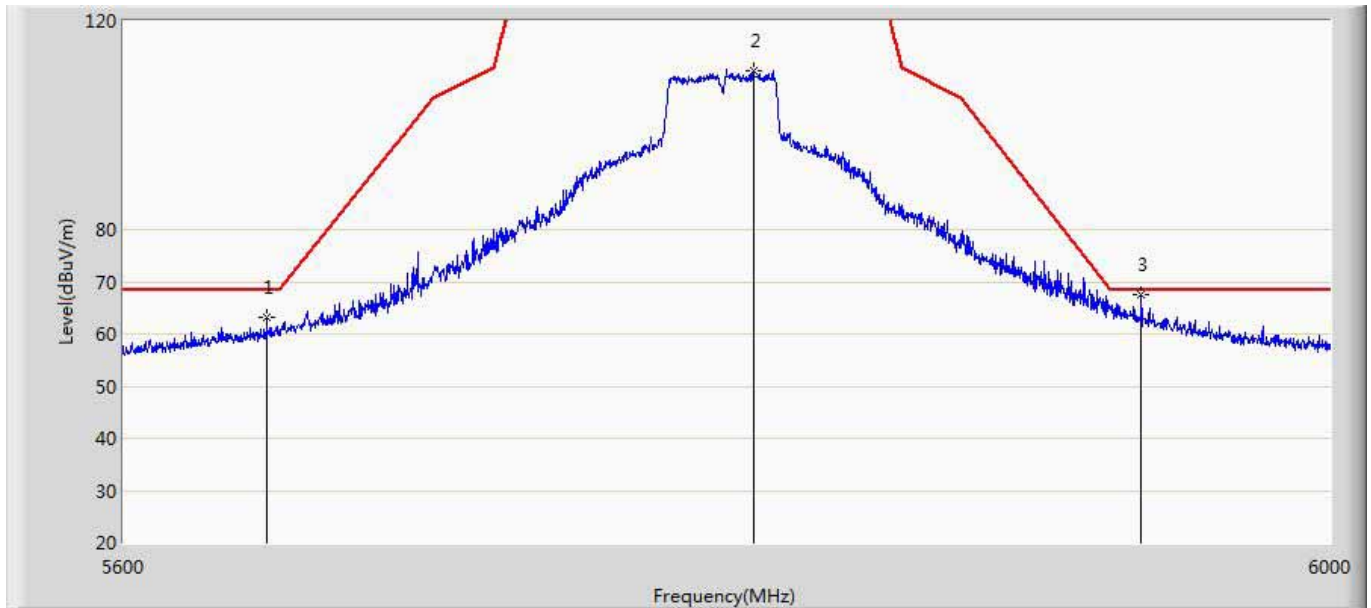
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5646.800	68.054	25.010	-0.246	68.300	43.044	PK
2		5749.000	109.168	65.886	N/A	N/A	43.281	PK
3		5932.600	61.629	17.940	-6.671	68.300	43.689	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:12
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 802.11ac40	



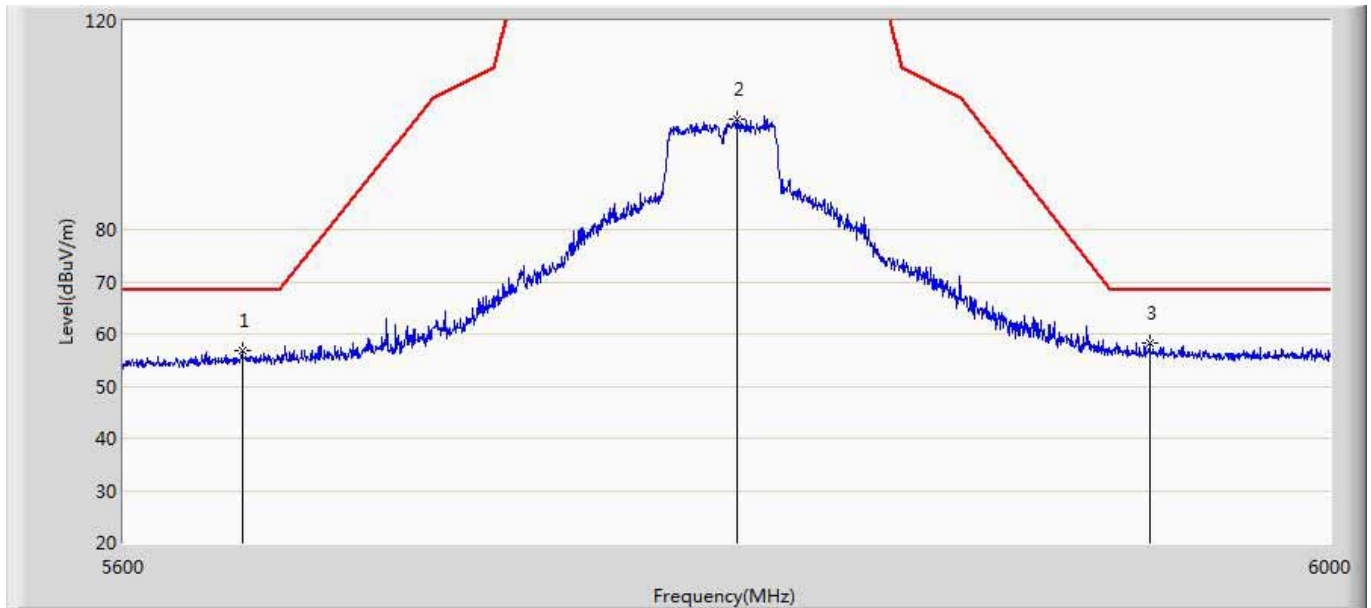
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5640.000	57.482	14.478	-10.818	68.300	43.005	PK
2		5751.800	99.538	56.266	N/A	N/A	43.271	PK
3		5934.000	56.516	12.829	-11.784	68.300	43.687	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:14
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 802.11ac40	



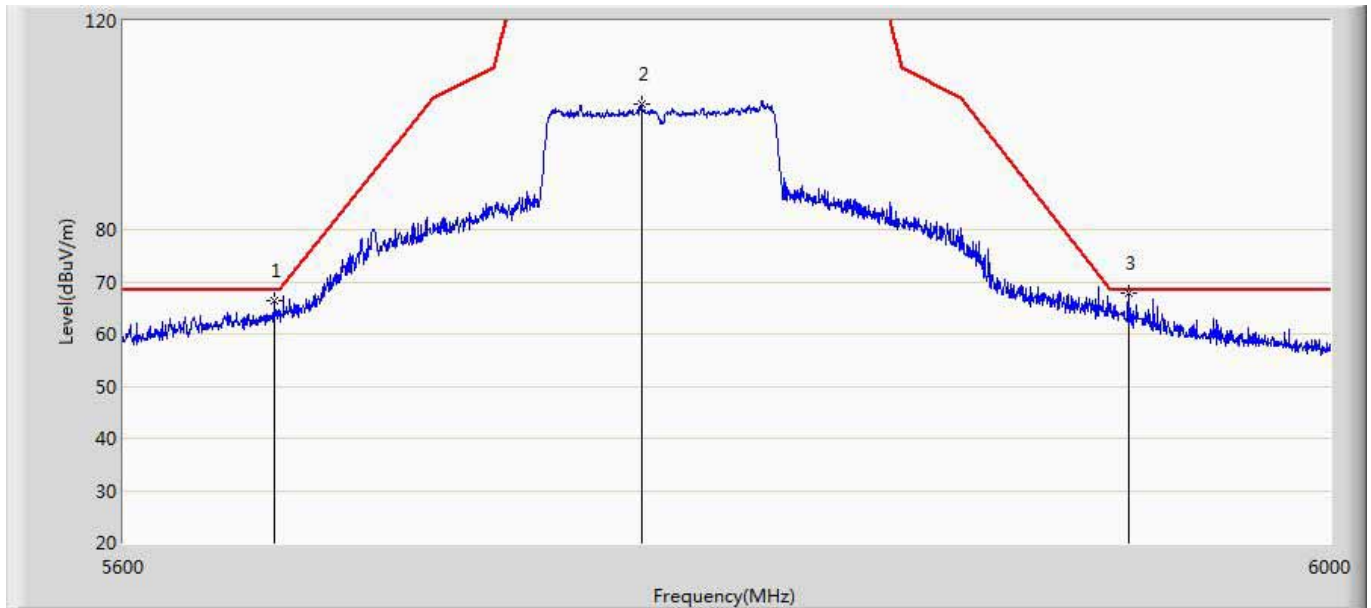
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5646.200	63.320	20.279	-4.980	68.300	43.041	PK
2		5805.400	110.343	67.000	N/A	N/A	43.342	PK
3	*	5935.600	67.512	23.827	-0.788	68.300	43.685	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:32
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 802.11ac40	



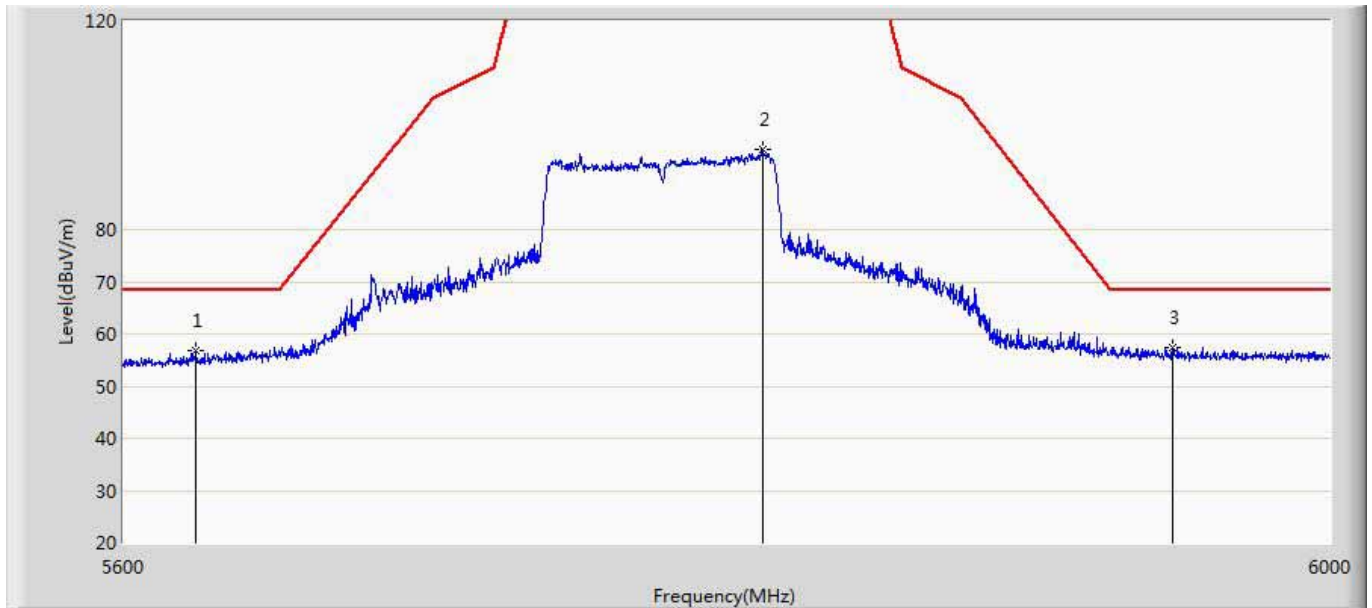
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5638.400	56.771	13.780	-11.529	68.300	42.991	PK
2		5800.200	101.112	57.795	N/A	N/A	43.317	PK
3	*	5938.600	58.176	14.496	-10.124	68.300	43.680	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:37
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5648.800	66.482	23.427	-1.818	68.300	43.055	PK
2		5768.400	103.966	60.675	N/A	N/A	43.291	PK
3	*	5931.600	67.789	24.099	-0.511	68.300	43.690	PK

Engineer: Scott	
Site: AC5	Time: 2016/05/03 - 10:37
Limit: FCC-15.407 new new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: AC750 Wireless Dual Band Gigabit Router	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5775MHz by 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5623.400	56.909	14.036	-11.391	68.300	42.873	PK
2		5808.600	95.494	52.135	N/A	N/A	43.359	PK
3	*	5946.200	57.271	13.601	-11.029	68.300	43.670	PK

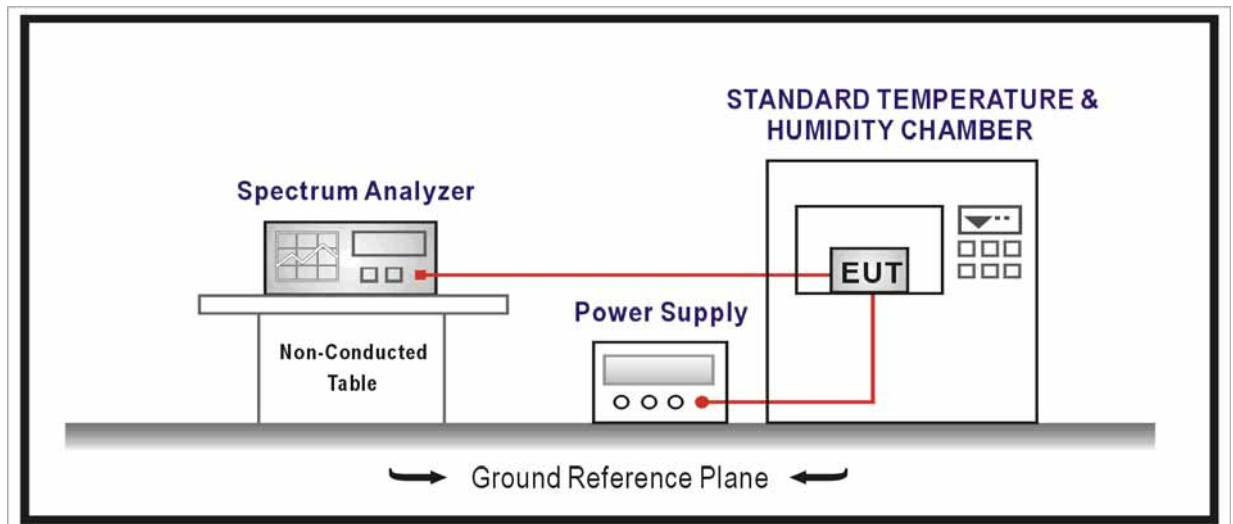
10. Frequency Stability

10.1. Test Equipment

Frequency Stability / NO.3					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.01.08	2017.01.07
AC Power Supply	IDRC	CF-500TP	979422	2015.09.17	2016.09.16
DC Power Supply	IDRC	CD-035-020PR	977272	2015.09.17	2016.09.16
Programmable Temperature & Humidity Chamber	Gaoyu	TH-1P-B	WIT-05121302	2016.01.08	2017.01.07
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09

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

10.2. Test Setup



10.3. Limit

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


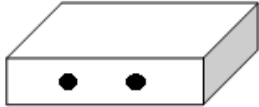

10.4. Test Procedure

Frequency Stability Test Method			
	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.8	Frequency stability tests
	<input checked="" type="checkbox"/> ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	<input checked="" type="checkbox"/> ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

10.5. Uncertainty

The measurement uncertainty is defined as ± 100 Hz

10.6. EUT test Axis definition

Item	Frequency Stability			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Mobile and Portable Client		
Test mode	Mode 1 ~ Mode 6			
	<input checked="" type="checkbox"/>	Conducted		
	<input checked="" type="checkbox"/>	Chain 0		
				
	<input type="checkbox"/>	Chain 0	Chain 1	
				
	<input type="checkbox"/>	Chain 0	Chain 1	Chain 2
				

10.7. Test Result

Product	:	AC750 Wireless Dual Band Gigabit Router
Test Item	:	Frequency Stability
Test Site	:	TR-8
Test Mode	:	Carrier Transmit

Frequency Stability under Temperature at 0min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
0	5220.000	105
	5785.000	-116
10	5220.000	181
	5785.000	-194
20	5220.000	-139
	5785.000	228
30	5220.000	-124
	5785.000	-92
40	5220.000	124
	5785.000	107
50	5220.000	-123
	5785.000	121

Frequency Stability under Temperature at 2min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
0	5220.000	-138
	5785.000	226
10	5220.000	-122
	5785.000	-91
20	5220.000	123
	5785.000	106
30	5220.000	-121
	5785.000	119
40	5220.000	105
	5785.000	-114
50	5220.000	182
	5785.000	-196

Frequency Stability under Temperature at 5min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
0	5220.000	118
	5785.000	105
10	5220.000	-113
	5785.000	183
20	5220.000	-199
	5785.000	-143
30	5220.000	232
	5785.000	-127
40	5220.000	-95
	5785.000	124
50	5220.000	108
	5785.000	-126

Frequency Stability under Temperature at 10min

Temperature Interval (°C)	Test Frequency (MHz)	Deviation (Hz)
0	5220.000	234
	5785.000	228
10	5220.000	-124
	5785.000	-92
20	5220.000	124
	5785.000	107
30	5220.000	-123
	5785.000	121
40	5220.000	105
	5785.000	-118
50	5220.000	181
	5785.000	-191

Frequency Stability under Voltage

AC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)
102	5220.000	-91
	5785.000	123
120	5220.000	106
	5785.000	120
138	5220.000	105
	5785.000	-116

————— The End —————