C2PC Test Report

FCC Part15 Subpart E

Product Name	:	Wireless Access point
Model No.	:	AP122, AP122X
FCC ID	:	WBV-AP122

Applicant	:	Aerohive Networks, Inc.
Address	:	Aerohive Networks, 1011 McCarthy Boulevard, Milpitas, CA 95035, United States

Date of Receipt	:	Oct. 10, 2017
Test Date	:	Oct. 10, 2017~ Nov. 24, 2017
Issued Date	:	Jan. 31, 2018
Report No.	:	17A2003R-RF-US-P09V01
Report Version	:	V1.1

Test Report Certification

Issued Date : Jan. 31, 2018
Report No. : 17A2003R-RF-US-P09V01

Product Name	:	Wireless Access point
Applicant	:	Aerohive Networks, Inc.
Address	:	Aerohive Networks, 1011 McCarthy Boulevard, Milpitas, CA 95035, United States
Manufacturer	:	Aerohive Networks, Inc.
Address	:	Aerohive Networks, 1011 McCarthy Boulevard, Milpitas, CA 95035, United States
Model No.	:	AP122, AP122X
FCC ID	:	WBV-AP122
EUT Voltage	:	PoE 48V
Test Voltage	:	AC 120V/60Hz
Brand Name	:	Aerohive
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E ANSI C63.10:2013; 789033 D02 General UNII Test Procedures New Rules v01r04 KDB 662911 D01 Multiple Transmitter Output v02r01
Test Result	:	Complied
Performed Location	:	DEKRA Testing and Certification (Suzhou) Co., Ltd. No.99 Hongye Rd., Suzhou Industrial Park, Suzhou,215006, Jiangsu, China TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098 FCC Designation Number: CN1199

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(Engineering Manager: Harry Zhao)

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
17A2003R-RF-US-P09V01	V1.0	Initial Issued Report	Nov. 28, 2017
17A2003R-RF-US-P09V01	V1.1	Modified band 3 frequency range	Jan. 31, 2018

1. General Information

1.1. EUT Description

Product Name	Wireless Access point						
Brand Name	Aerohive						
Model No.	AP122, AP122X						
EUT Voltage	PoE 48V						
Type of Modulation	OFDM-BPSK, QPSK, 16QAM, 64QAM, 128QAM, 256QAM						
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps						
	802.11n: up to 300Mbps						
	802.11ac: up to 866.6Mbps						
Channel Control	Auto						
Transmit modes	☒	802.11a	☒	802.11n(20MHz)	☒	802.11n(40MHz)	
	☒	802.11ac(20MHz)	☒	802.11ac(40MHz)	☒	802.11ac(80MHz)	
Support Bands	☒	5150MHz~5250MHz	☐	Outdoor AP			
			☒	Indoor AP			
			☐	Fixed point-to-point AP			
			☐	Mobile and Portable Client			
	☒	5250MHz~5350MHz					
	☒	5500MHz~5710MHz	☒	With TDWR Channels			
			☐	Without TDWR Channels			
	☒	5725MHz~5850MHz					

Note:

1. Adding a model AP122X, the difference is as below:

	Antenna Type	Max Antenna Gain(2.4G)	Max Antenna Gain(5G)
AP122	Internal PIFA Antenna	3.8 dBi	5.44 dBi
AP122X	External Dipole Antenna	4 dBi	4 dBi

1.2. Antenna information

Antenna Model No.	N/A						
Antenna Manufacturer	N/A						
Antenna Delivery	☒	1*TX+1*RX	☒	2*TX+2*RX	☐	3*TX+4*RX	
Antenna Technology	☒	SISO					
	☒	MIMO	☐	Basic methodology			
			☐	Sectorized antenna systems			
			☐	Cross-polarized antennas			
			☐	Unequal antenna gains, with equal transmit powers			
			☐	Spatial Multiplexing			
			☒	Cyclic Delay Diversity (CDD)			
Antenna Type	Dipole Antenna						

Antenna Technology	Ant Gain (dBi)	Directional Gain (dBi)	
		For Power	For PSD
☒ CDD	Ant1:4 Ant2: 4	4	7.01
☒ Beam-forming	Ant1:4 Ant2: 4	7.01	7.01

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
52	5260MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580MHz	120	5600MHz	124	5620MHz	128	5640MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz	165	5825MHz
802.11n/ac(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz	N/A	N/A
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	122	5610 MHz
155	5775 MHz	N/A	N/A	N/A	N/A	N/A	N/A

1.4. Mode of Operation

DEKRA Testing and Certification (Suzhou) Co., Ltd. has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Transmit by 802.11a with SISO
Mode 2: Transmit by 802.11n(20MHz) with SISO
Mode 3: Transmit by 802.11n(40MHz) with SISO
Mode 4: Transmit by 802.11ac(20MHz) with SISO
Mode 5: Transmit by 802.11ac(40MHz) with SISO
Mode 6: Transmit by 802.11ac(80MHz) with SISO
Mode 7: Transmit by 802.11a with CDD
Mode 8: Transmit by 802.11n(20MHz) with CDD
Mode 9: Transmit by 802.11n(40MHz) with CDD
Mode 10: Transmit by 802.11ac(20MHz) with CDD
Mode 11: Transmit by 802.11ac(40MHz) with CDD
Mode 12: Transmit by 802.11ac(80MHz) with CDD
Mode 13: Transmit by 802.11n(20MHz) with Beam-forming
Mode 14: Transmit by 802.11n(40MHz) with Beam-forming
Mode 15: Transmit by 802.11ac(20MHz) with Beam-forming
Mode 16: Transmit by 802.11ac(40MHz) with Beam-forming
Mode 17: Transmit by 802.11ac(80MHz) with Beam-forming

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

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

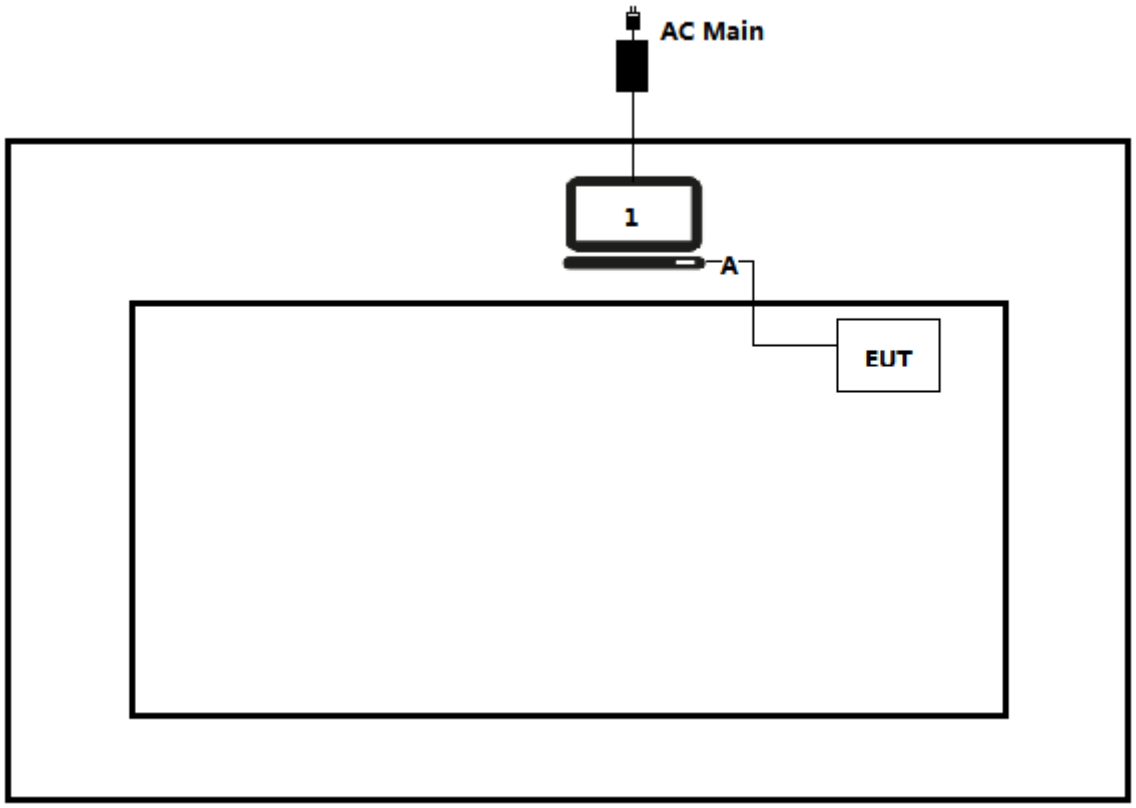
1.5. Tested System Details

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

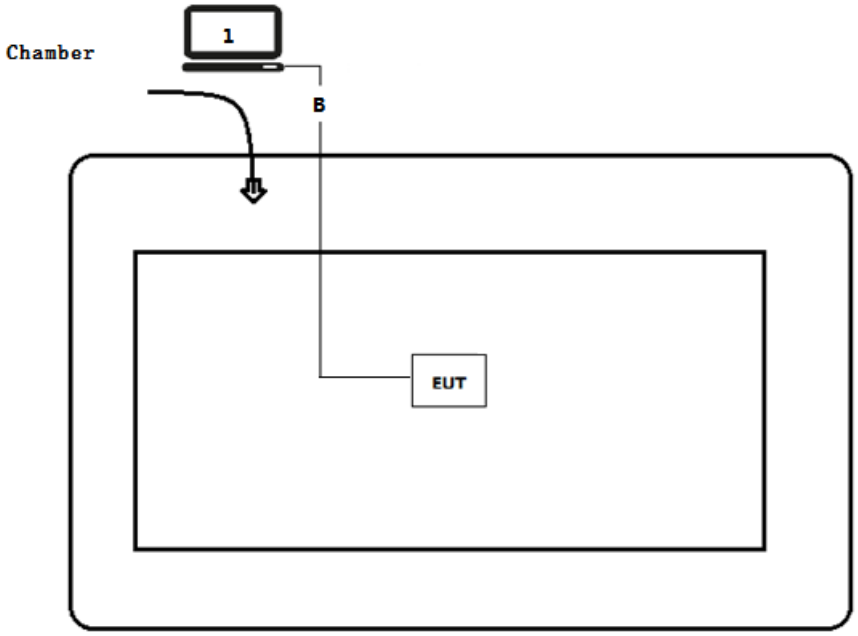
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
A	USB cable	N/A	N/A	N/A	Shielded, 0.5m
B	USB cable	N/A	N/A	N/A	Shielded, 10m

1.6. Configuration of Tested System

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



1.7. EUT Exercise Software

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

2. Technical Test

2.1. Summary of Test Result

☒ No deviations from the test standards

☐ Deviations from the test standards as below description:

Performed Test Item	Normative References	Limit	Result
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.207	FCC 15.207	PASS
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.209	FCC 15.209	PASS
Power Output	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.205, 15.407(b)	FCC 15.407(b)	PASS
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: Section 15.203	FCC 15.203	PASS

2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11a/n(20MHz) /ac(20MHz)	36	5180MHz	44	5220MHz	48	5240MHz
	52	5260MHz	60	5300MHz	64	5320MHz
	100	5500MHz	116	5580MHz	132	5700MHz
	149	5745MHz	157	5785MHz	165	5825MHz
802.11n(40MHz)/ ac(40MHz)	38	5190MHz	46	5230MHz	54	5270MHz
	62	5310MHz	102	5510MHz	110	5550MHz
	134	5670MHz	151	5755MHz	159	5795MHz
802.11ac(80MHz)	42	5210MHz	58	5290MHz	106	5530MHz
	155	5775MHz	N/A	N/A	N/A	N/A

2.3. Power Parameter Value of the test software

Test Mode	Frequency	Power Setting		
		Ant 1	Ant 2	Ant 1+2
802.11a with SISO	5180	70	70	-
	5220	70	70	-
	5240	70	70	-
	5260	68	66	-
	5300	68	66	-
	5320	68	66	-
	5500	72	70	-
	5580	72	70	-
	5700	72	70	-
	5745	82	82	-
	5785	82	82	-
	5825	82	82	-
802.11n(20MHz) with SISO	5180	68	68	-
	5220	68	68	-
	5240	68	68	-
	5260	68	66	-
	5300	68	66	-
	5320	68	66	-
	5500	72	70	-
	5580	72	70	-
	5700	72	70	-
	5745	82	82	-
	5785	82	82	-
	5825	82	82	-
802.11n(40MHz) with SISO	5190	62	58	-
	5230	62	58	-
	5270	62	60	-
	5310	62	60	-
	5510	62	60	-
	5550	62	60	-
	5670	62	60	-
	5755	82	82	-
	5795	82	82	-

802.11ac(20MHz) with SISO	5180	70	69	-
	5220	70	69	-
	5240	70	69	-
	5260	68	65	-
	5300	68	65	-
	5320	68	65	-
	5500	70	70	-
	5580	70	70	-
	5700	70	70	-
	5745	82	82	-
	5785	82	82	-
	5825	82	82	-
802.11ac(40MHz) with SISO	5190	60	56	-
	5230	60	56	-
	5270	62	59	-
	5310	62	59	-
	5510	60	59	-
	5550	60	59	-
	5670	60	59	-
	5755	82	82	-
	5795	82	82	-
802.11ac(80MHz) with SISO	5210	62	58	-
	5290	62	60	-
	5530	60	54	-
	5775	64	64	-
802.11a with CDD	5180	-	-	66
	5220	-	-	66
	5240	-	-	66
	5260	-	-	64
	5300	-	-	64
	5320	-	-	64
	5500	-	-	68
	5580	-	-	68
	5700	-	-	68
	5745	-	-	82
	5785	-	-	82
	5825	-	-	82

802.11n(20MHz) with CDD	5180	-	-	66
	5220	-	-	66
	5240	-	-	66
	5260	-	-	64
	5300	-	-	64
	5320	-	-	64
	5500	-	-	68
	5580	-	-	68
	5700	-	-	68
	5745	-	-	82
	5785	-	-	82
	5825	-	-	82
802.11n(40MHz) with CDD	5190	-	-	56
	5230	-	-	56
	5270	-	-	59
	5310	-	-	59
	5510	-	-	59
	5550	-	-	59
	5670	-	-	59
	5755	-	-	82
	5795	-	-	82

802.11ac(20MHz) with CDD	5180	-	-	68
	5220	-	-	68
	5240	-	-	68
	5260	-	-	64
	5300	-	-	64
	5320	-	-	64
	5500	-	-	68
	5580	-	-	68
	5700	-	-	68
	5745	-	-	82
	5785	-	-	82
	5825	-	-	82
802.11ac(40MHz) with CDD	5190	-	-	55
	5230	-	-	55
	5270	-	-	58
	5310	-	-	58
	5510	-	-	58
	5550	-	-	58
	5670	-	-	58
	5755	-	-	82
	5795	-	-	82
802.11ac(80MHz) with CDD	5210	-	-	56
	5290	-	-	59
	5530	-	-	53
	5775	-	-	63
802.11n(20MHz) with Beam-forming	5180	-	-	16
	5220	-	-	16
	5240	-	-	16
	5260	-	-	15
	5300	-	-	15
	5320	-	-	15
	5500	-	-	16
	5580	-	-	16
	5700	-	-	16
	5745	-	-	19
	5785	-	-	19
	5825	-	-	19

802.11n(40MHz) with Beam-forming	5190	-	-	13
	5230	-	-	13
	5270	-	-	14
	5310	-	-	14
	5510	-	-	14
	5550	-	-	14
	5670	-	-	14
	5755	-	-	19
	5795	-	-	19

802.11ac(20MHz) with Beam-forming	5180	-	-	16
	5220	-	-	16
	5240	-	-	16
	5260	-	-	15
	5300	-	-	15
	5320	-	-	15
	5500	-	-	16
	5580	-	-	16
	5700	-	-	16
	5745	-	-	19
	5785	-	-	19
	5825	-	-	19
802.11ac(40MHz) with Beam-forming	5190	-	-	13
	5230	-	-	13
	5270	-	-	14
	5310	-	-	14
	5510	-	-	14
	5550	-	-	14
	5670	-	-	14
	5755	-	-	19
	5795	-	-	19
802.11ac(80MHz) with Beam-forming	5210	-	-	13
	5290	-	-	14
	5530	-	-	12
	5775	-	-	15

2.4. Power vs Data Rate

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

Note 1 : The blue form is the maximum power data rate

2: The EUT supports two spatial streams.

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

Note 1: The blue form is the maximum power data rate.

2: The EUT supports two spatial streams.

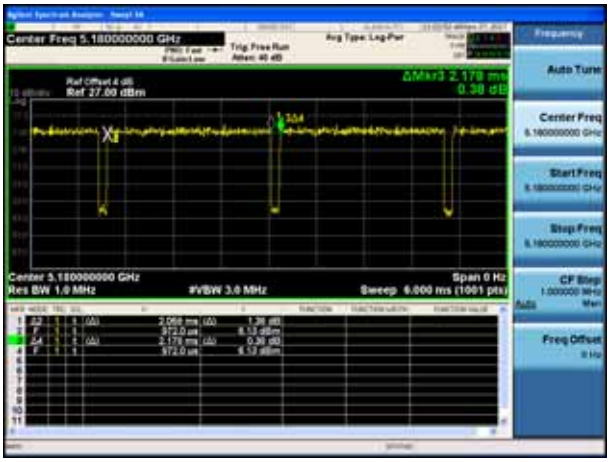
2.5. Duty Cycle

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11a	2.058	0.12	510Hz	2.178	94.49%
802.11 n(20MHz)	1.908	0.108	560Hz	2.016	94.64%
802.11n(40MHz)	0.915	0.114	1.1kHz	1.029	88.92%
802.11ac(20MHz)	1.915	0.045	560Hz	1.960	97.70%
802.11ac(40MHz)	0.936	0.045	1.1kHz	0.981	95.41%
802.11ac(80MHz)	0.4447	0.046	2.4kHz	0.4907	90.63%

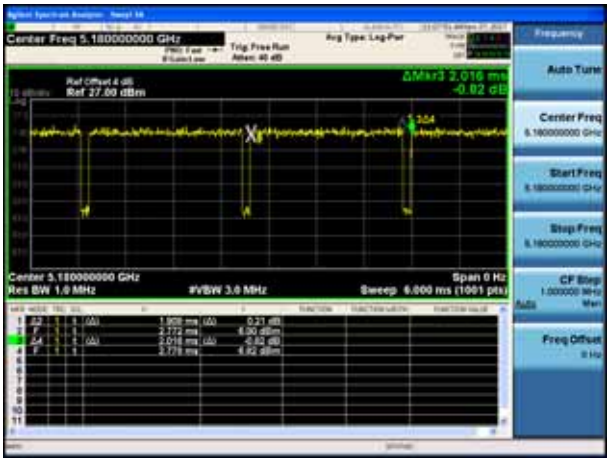
Note 1: T means the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Note 2: According to KDB 789033, when test for Radiated Emission Band Edge and Radiated Emission, VBW ≥ 1/T will be used.

802.11a

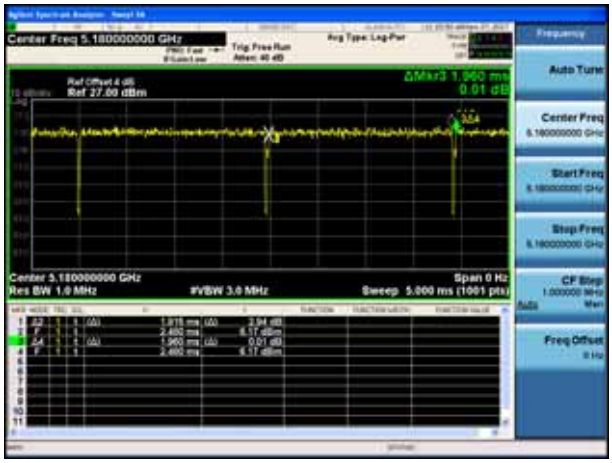


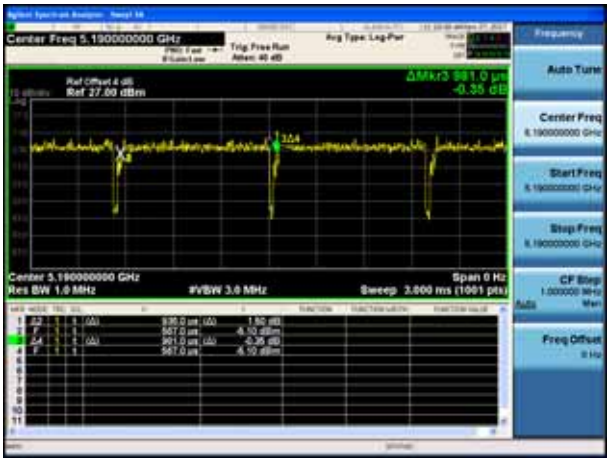
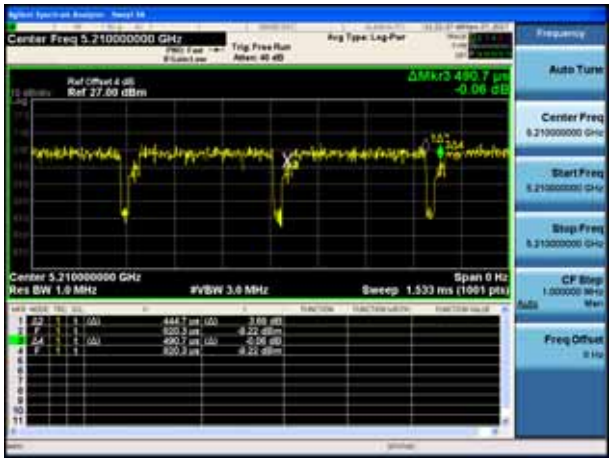
802.11n(20MHz)



802.11n(40MHz)

802.11ac(20MHz)



802.11ac(40MHz)	802.11ac(80MHz)
	

2.6. Test Environment

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

2.7. Uncertainty

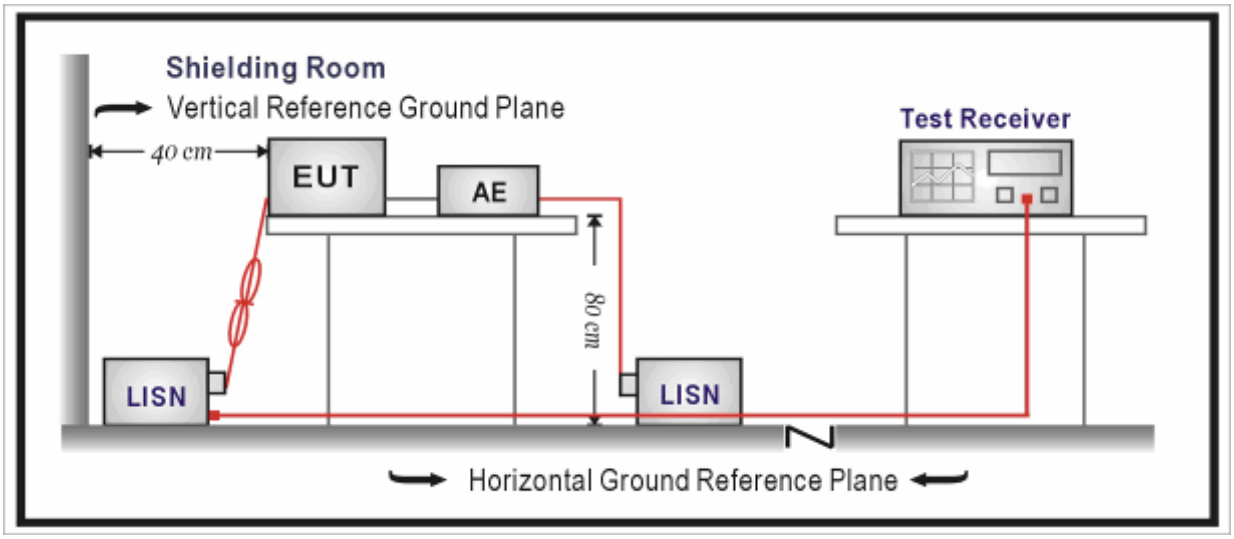
Test Items	Uncertainty
AC Power Line Conducted Emission	±2.02dB
Radiated Emission	Below 1GHz ±3.8 dB
	Above 1GHz ±3.9 dB
RF Antenna Port Conducted Emission	±1.27dB
Radiated Emission Band Edge	±3.9dB
Occupied Bandwidth	±1kHz
Power Spectral Density	±1.27dB
Frequency Stability	± 100 Hz

3. Conducted Emission

3.1. Test Equipment

Conducted Emission / TR-1					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100906	2017.03.05	2018.03.04
Two-Line V-Network	R&S	ENV 216	101189	2017.06.16	2018.06.15
Two-Line V-Network	R&S	ENV 216	101044	2017.09.16	2018.09.15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
50ohm Termination	SHX	TF2	07081402	2017.09.16	2018.09.15
Temperature/Humidity Meter	Zhichen	ZC1-2	TR1-TH	2017.01.05	2018.01.04
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

3.2. Test Setup



3.3. Limit

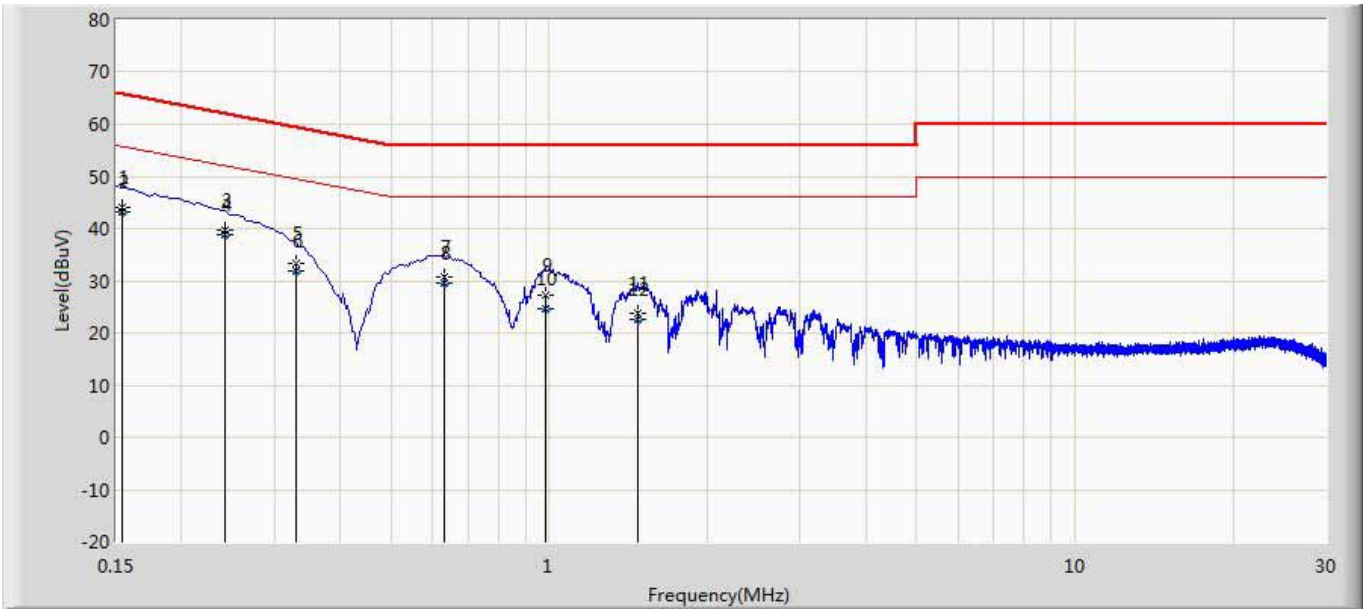
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 – 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.		

3.4. Test Procedure

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

3.5. Test Result

Engineer: Lucas	
Site: TR1	Time: 2017/10/13 - 09:24
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a ANT 1	



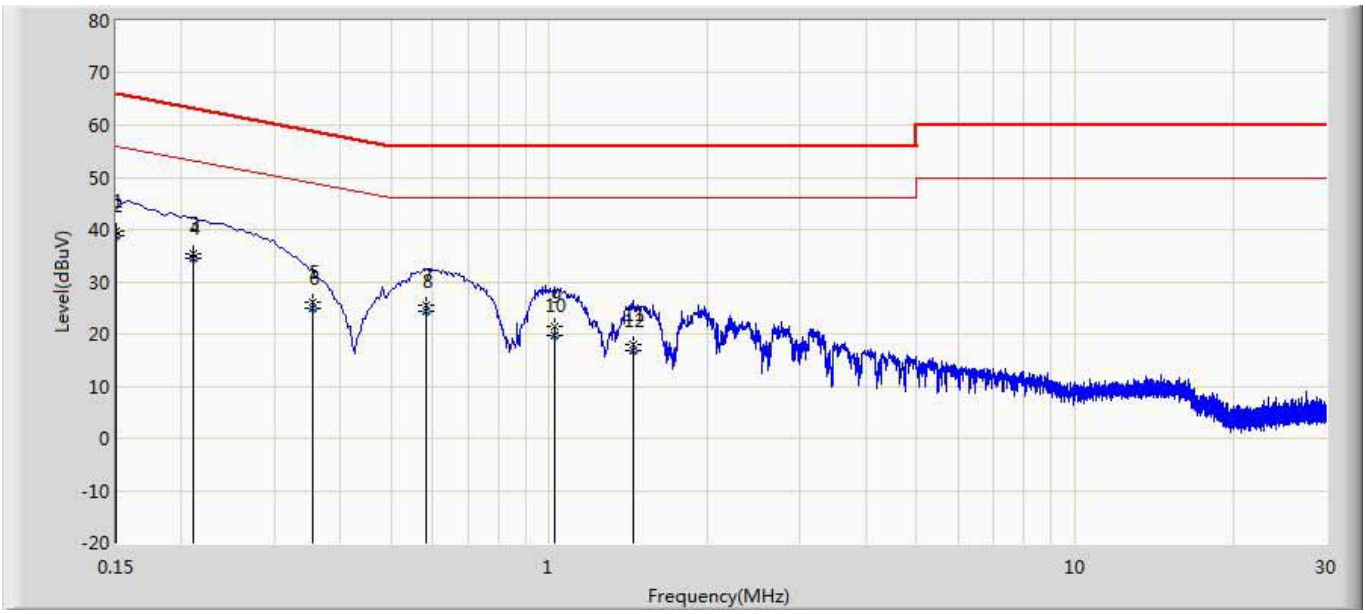
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.154	44.155	34.520	-21.627	65.781	9.609	0.025	0.000	QP
2	*	0.154	43.182	33.548	-12.599	55.781	9.609	0.025	0.000	AV
3		0.242	39.628	29.997	-22.400	62.027	9.600	0.030	0.000	QP
4		0.242	38.827	29.196	-13.201	52.027	9.600	0.030	0.000	AV
5		0.330	33.288	23.653	-26.163	59.451	9.600	0.035	0.000	QP
6		0.330	31.770	22.135	-17.682	49.451	9.600	0.035	0.000	AV
7		0.630	30.644	20.996	-25.356	56.000	9.600	0.048	0.000	QP
8		0.630	29.525	19.877	-16.475	46.000	9.600	0.048	0.000	AV
9		0.982	27.217	17.548	-28.783	56.000	9.609	0.060	0.000	QP
10		0.982	24.690	15.021	-21.310	46.000	9.609	0.060	0.000	AV
11		1.478	23.908	14.224	-32.092	56.000	9.610	0.073	0.000	QP
12		1.478	22.668	12.985	-23.332	46.000	9.610	0.073	0.000	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.

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

Engineer: Lucas	
Site: TR1	Time: 2017/10/13 - 09:27
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a ANT 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.150	39.570	29.952	-26.430	66.000	9.594	0.025	0.000	QP
2	*	0.150	38.820	29.201	-17.180	56.000	9.594	0.025	0.000	AV
3		0.210	35.242	25.614	-27.964	63.205	9.599	0.029	0.000	QP
4		0.210	34.462	24.834	-18.743	53.205	9.599	0.029	0.000	AV
5		0.354	25.958	16.327	-32.910	58.868	9.594	0.036	0.000	QP
6		0.354	24.862	15.231	-24.006	48.868	9.594	0.036	0.000	AV
7		0.582	25.533	15.898	-30.467	56.000	9.590	0.045	0.000	QP
8		0.582	24.399	14.764	-21.601	46.000	9.590	0.045	0.000	AV
9		1.022	21.461	11.810	-34.539	56.000	9.591	0.060	0.000	QP
10		1.022	19.738	10.087	-26.262	46.000	9.591	0.060	0.000	AV
11		1.446	17.876	8.204	-38.124	56.000	9.599	0.073	0.000	QP
12		1.446	16.669	6.997	-29.331	46.000	9.599	0.073	0.000	AV

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.

2. " * ", means this data is the worst emission level.

3. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

4. Radiated Emission

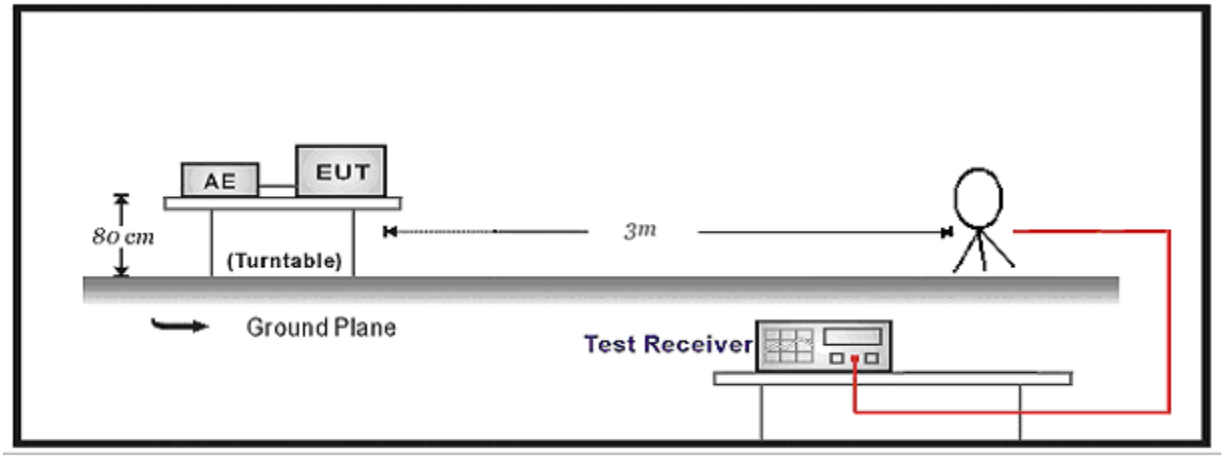
4.1. Test Equipment

Radiated Emission / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2017.03.29	2018.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2017.11.16	2018.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2017.10.16	2018.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2017.03.02	2018.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2017.01.04	2018.01.03

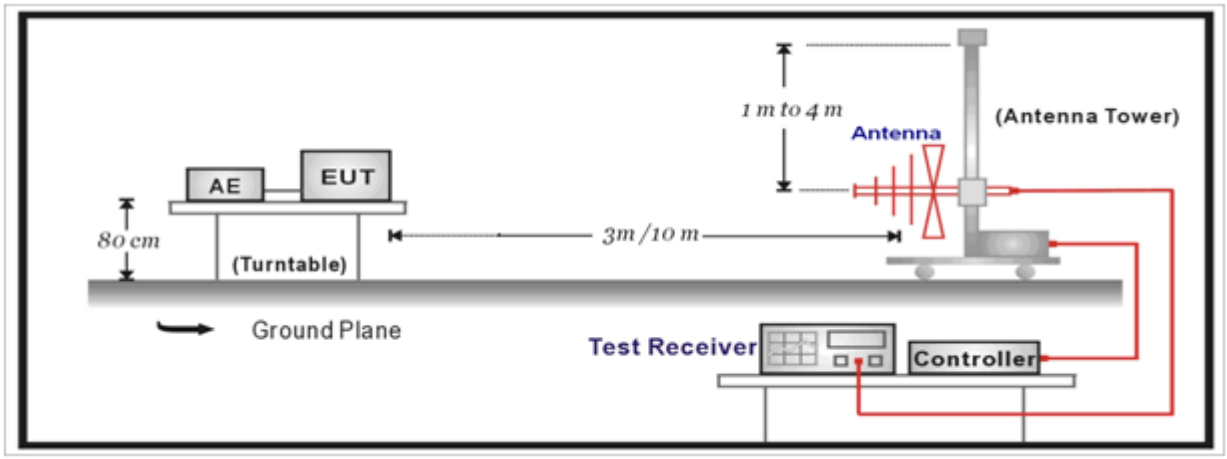
Radiated Emission / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.04	2018.01.03
Preamplifier	Miteq	NSP1800-25	1364185	2017.05.06	2018.05.05
Preamplifier	DEKRA Testing and Certification (Suzhou) Co., Ltd.	AP-040G	CHM-0906001	2017.05.06	2018.05.05
DRG Horn	ETS-Lindgren	3117	00123988	2017.01.22	2018.01.21
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2016.11.25	2017.11.24
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C1	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC5-C2	2017.03.02	2018.03.01
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	AC5-C3	2017.03.02	2018.03.01
EMI Receiver	Agilent	N9038A	MY51210196	2017.06.10	2018.06.09
Temperature/Humidity Meter	Zhichen	ZC1-2	AC5-TH	2017.01.04	2018.01.03
Note: All equipment are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

4.2. Test Setup

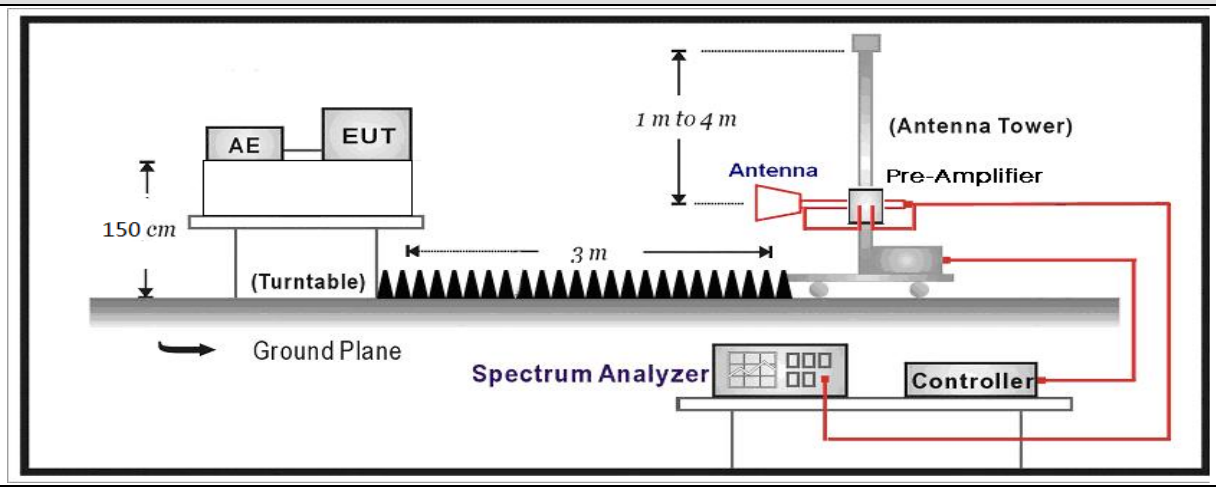
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



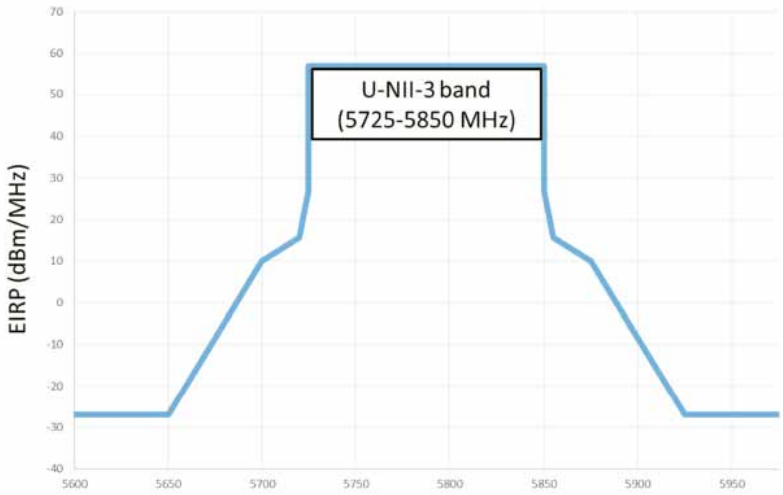
4.3. Limit

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

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

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

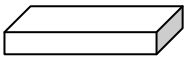
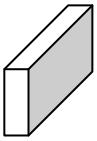
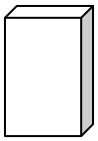
FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128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

FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit)		
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	
5725 - 5850		

4.4. Test Procedure

Test Method				
	References Rule		Chapter	Description
☐	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	☒	ANSI C63.10	12.7.5	Radiated emission measurements
	☒	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
		☐ ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
		☒ ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v01r04		G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v01r04		G.1	Unwanted Emissions in the Restricted Bands
	☐	FCC KDB 789033 D02v01r04	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐	FCC KDB 789033 D02v01r04	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐	FCC KDB 789033 D02v01r04	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
		☐ FCC KDB 789033 D02v01r04	G.6.c	Method AD (Average detection)—primary method
		☐ FCC KDB 789033 D02v01r04	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.5. EUT test Axis definition

<table>
<tr><td>Item</td><td colspan="4">Radiated Emission</td></tr>
<tr><td rowspan="4">Device Category</td><td>☐</td><td colspan="3">Indoor use</td></tr>
<tr><td>☐</td><td colspan="3">Outdoor use</td></tr>
<tr><td>☐</td><td colspan="3">Fix position use</td></tr>
<tr><td>☒</td><td colspan="3">Client use</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1-17</td></tr>
<tr><td rowspan="11">Test method</td><td>☒</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
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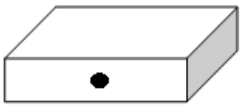
<tr><td></td><td colspan="3">  </td></tr>
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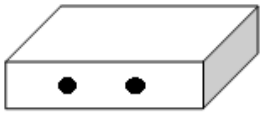
<tr><td></td><td colspan="3">  </td></tr>
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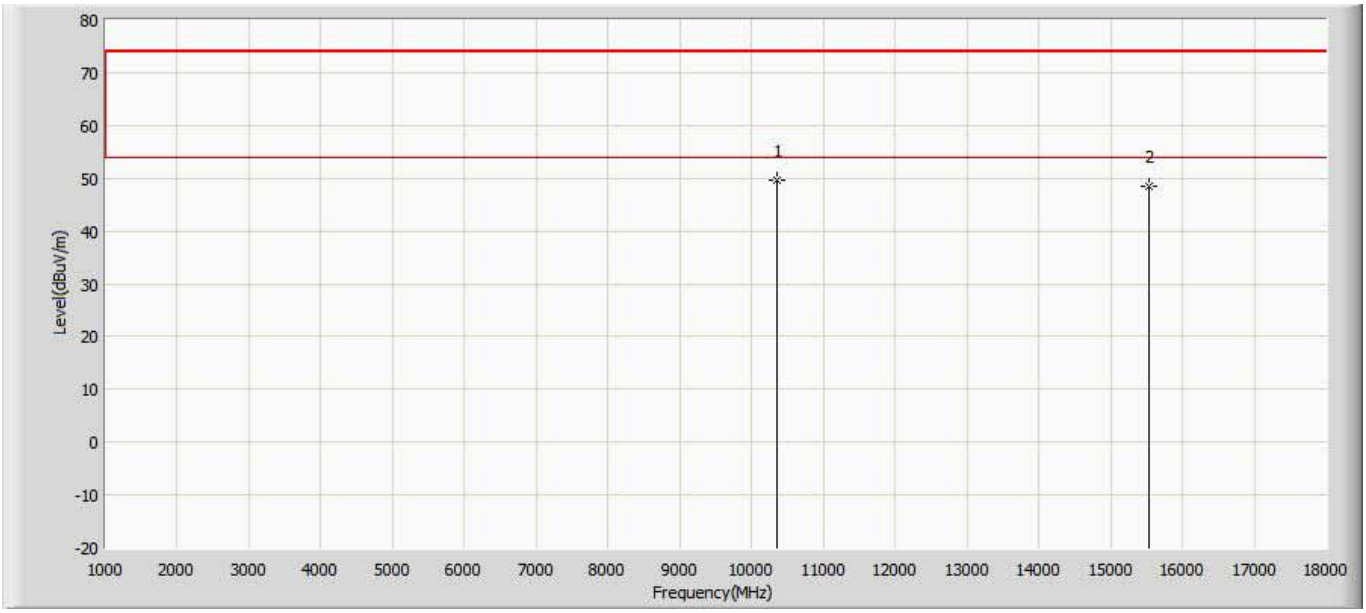
<tr><td></td><td colspan="3">  </td></tr>
</table>

4.6. Test Result

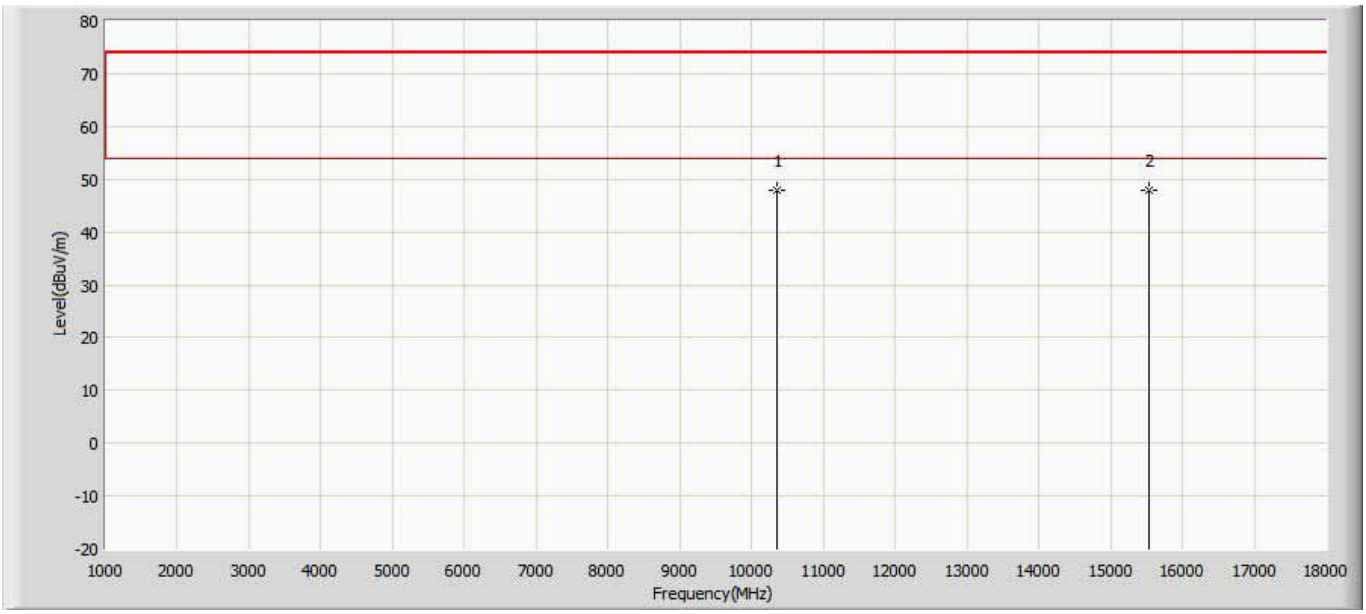
Ant 1:

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a	



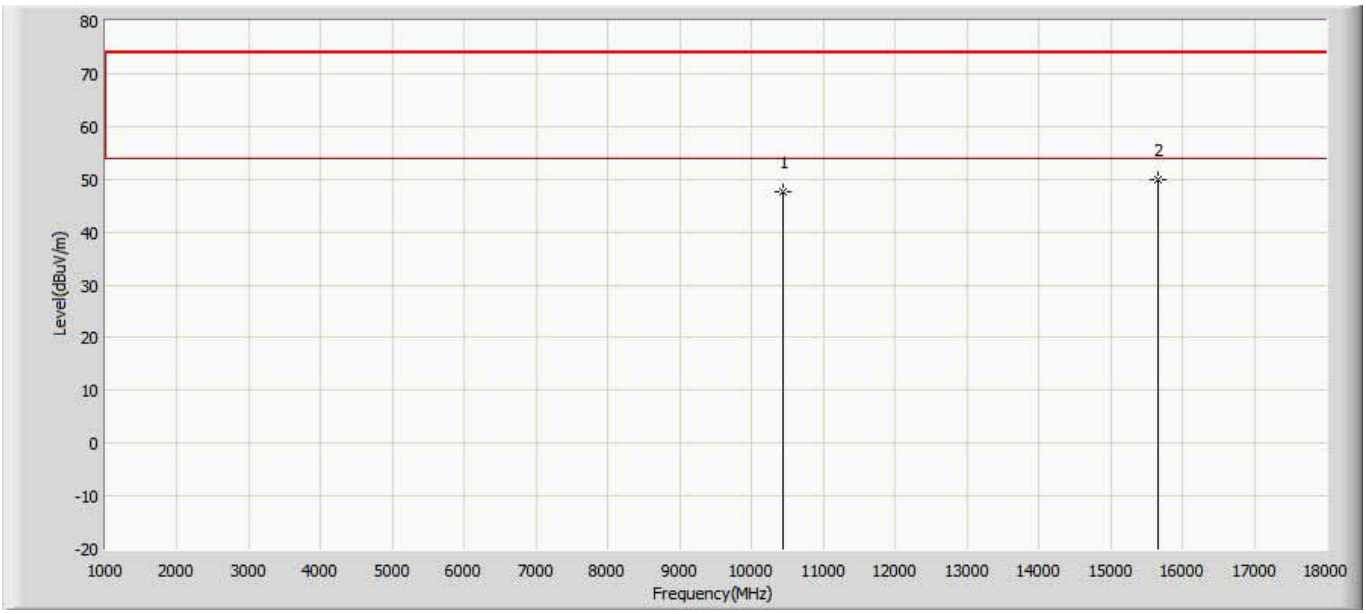
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10360.000	49.629	50.683	-24.371	74.000	-1.054	PK
2		15540.000	48.378	45.998	-25.622	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5180MHz by 802.11a	



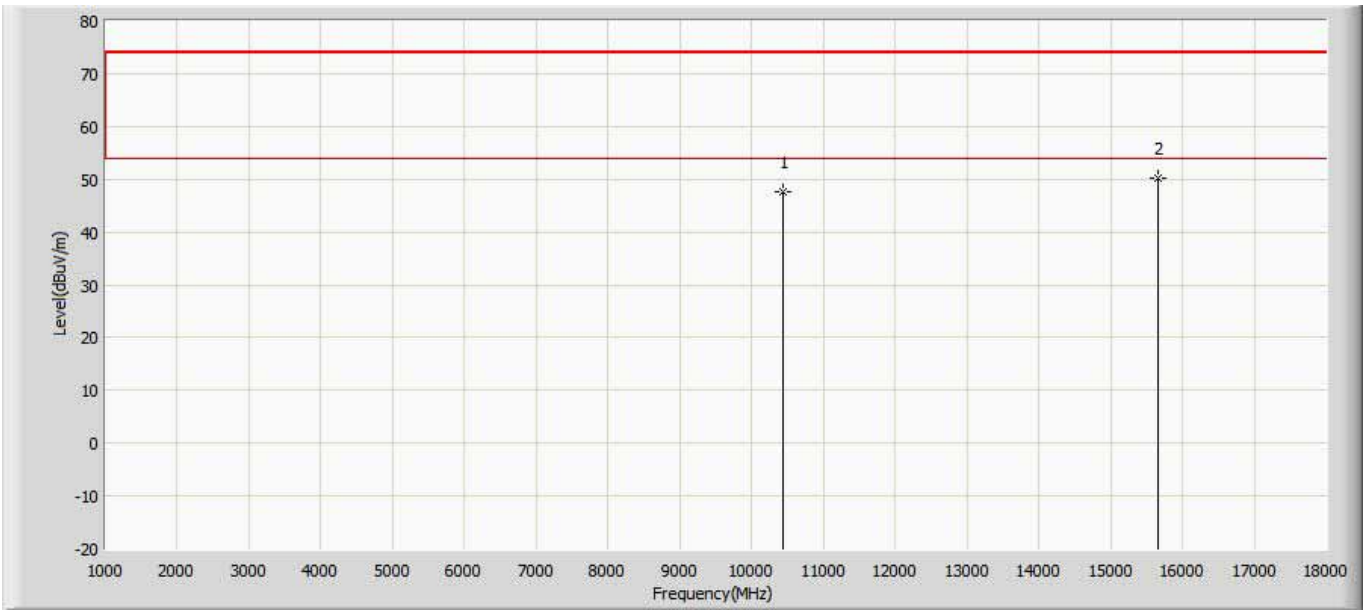
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	47.814	48.868	-26.186	74.000	-1.054	PK
2	*	15540.000	48.047	45.667	-25.953	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 802.11a	



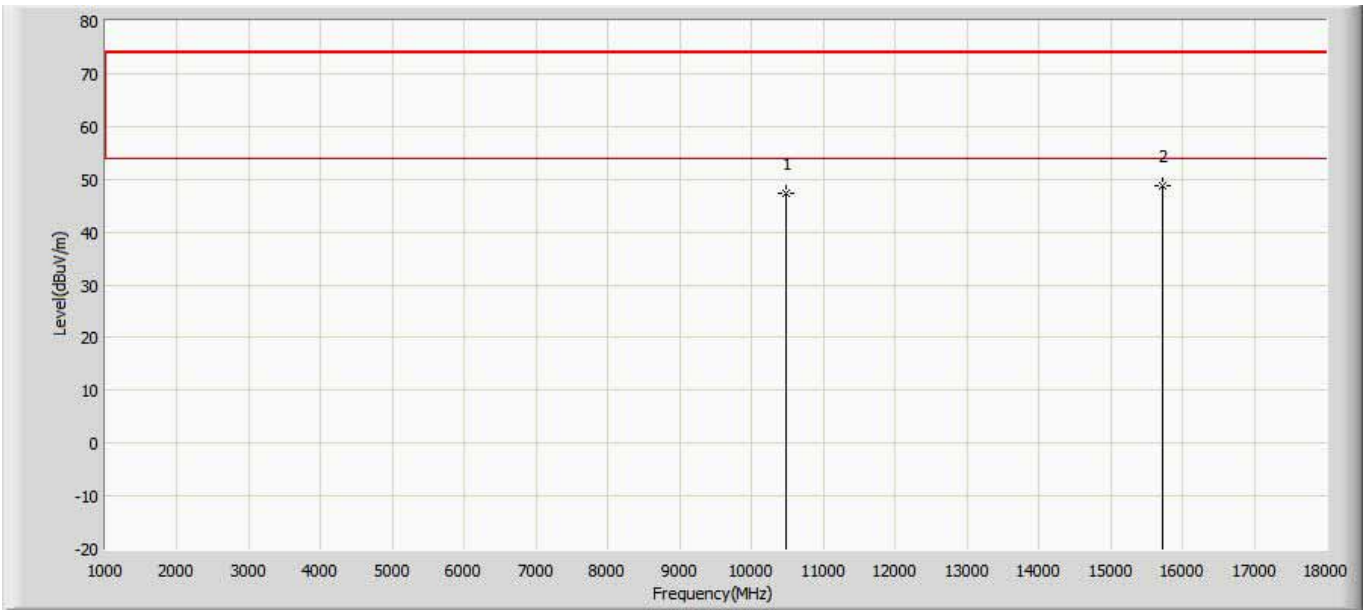
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.534	47.954	-26.466	74.000	-0.420	PK
2	*	15660.000	50.012	45.622	-23.988	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5220MHz by 802.11a	



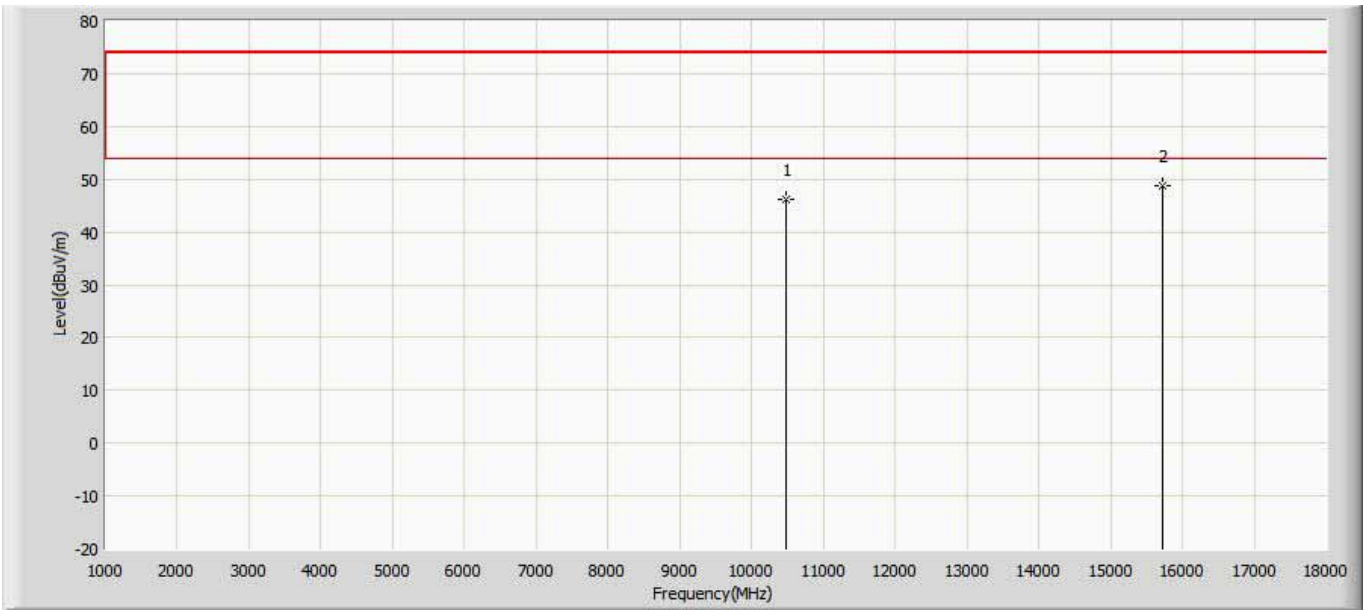
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.518	47.938	-26.482	74.000	-0.420	PK
2	*	15660.000	50.122	45.732	-23.878	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



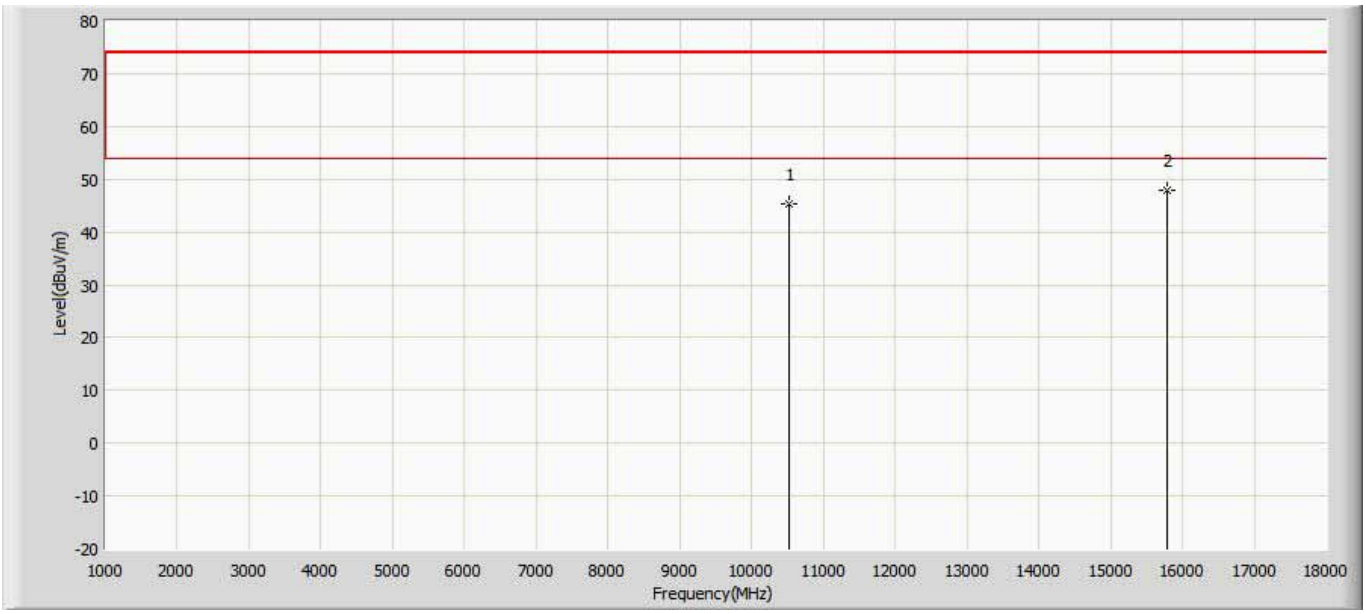
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	47.361	47.781	-26.639	74.000	-0.420	PK
2	*	15720.000	48.748	44.358	-25.252	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5240MHz by 802.11a	



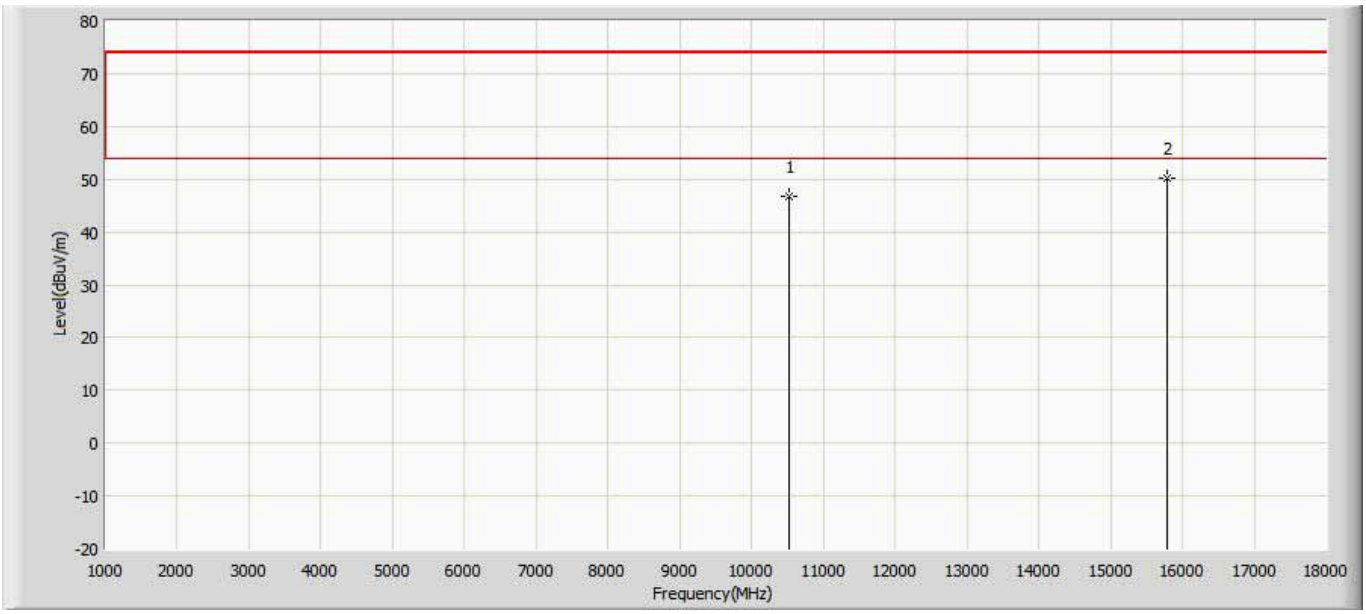
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.087	46.507	-27.913	74.000	-0.420	PK
2	*	15720.000	48.684	44.294	-25.316	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5260MHz by 802.11a	



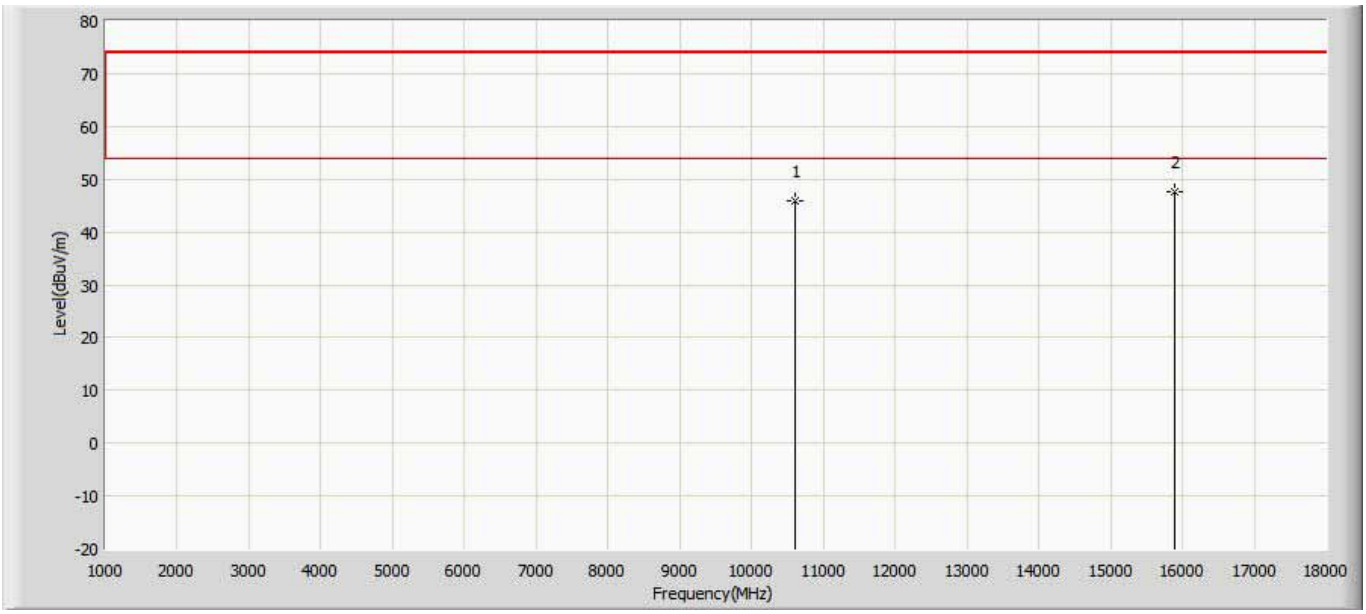
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.197	45.617	-28.803	74.000	-0.420	PK
2	*	15780.000	47.916	43.526	-26.084	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5260MHz by 802.11a	



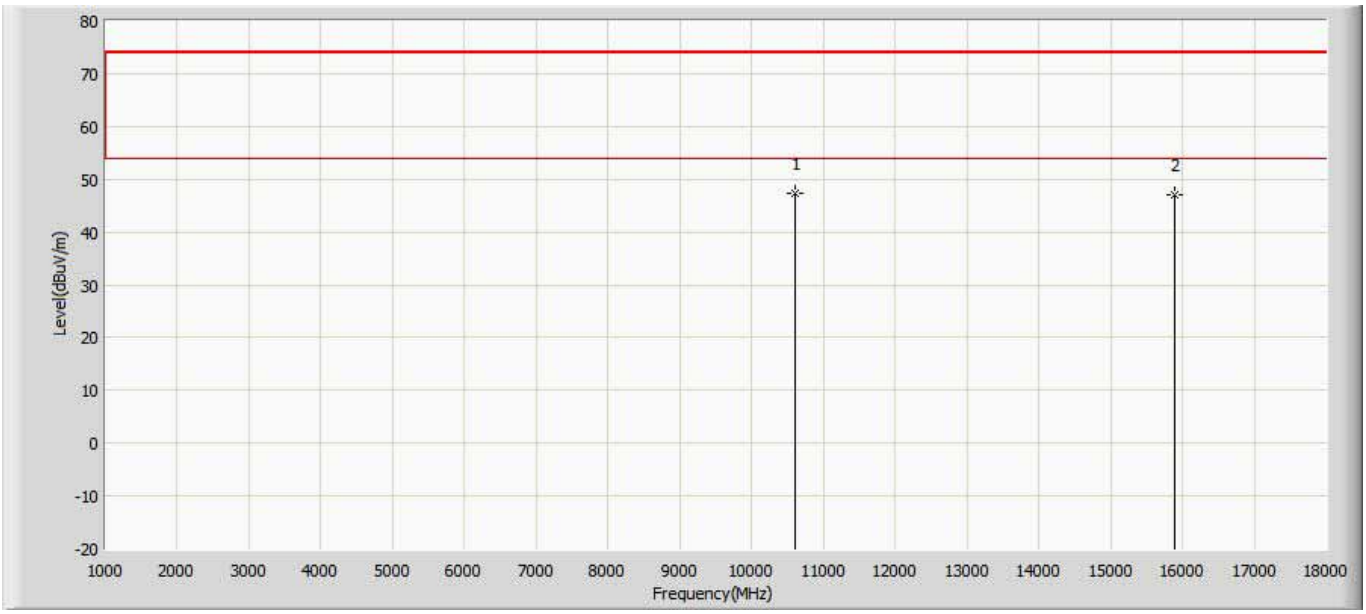
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	46.712	47.132	-27.288	74.000	-0.420	PK
2	*	15780.000	50.107	45.717	-23.893	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5300MHz by 802.11a	



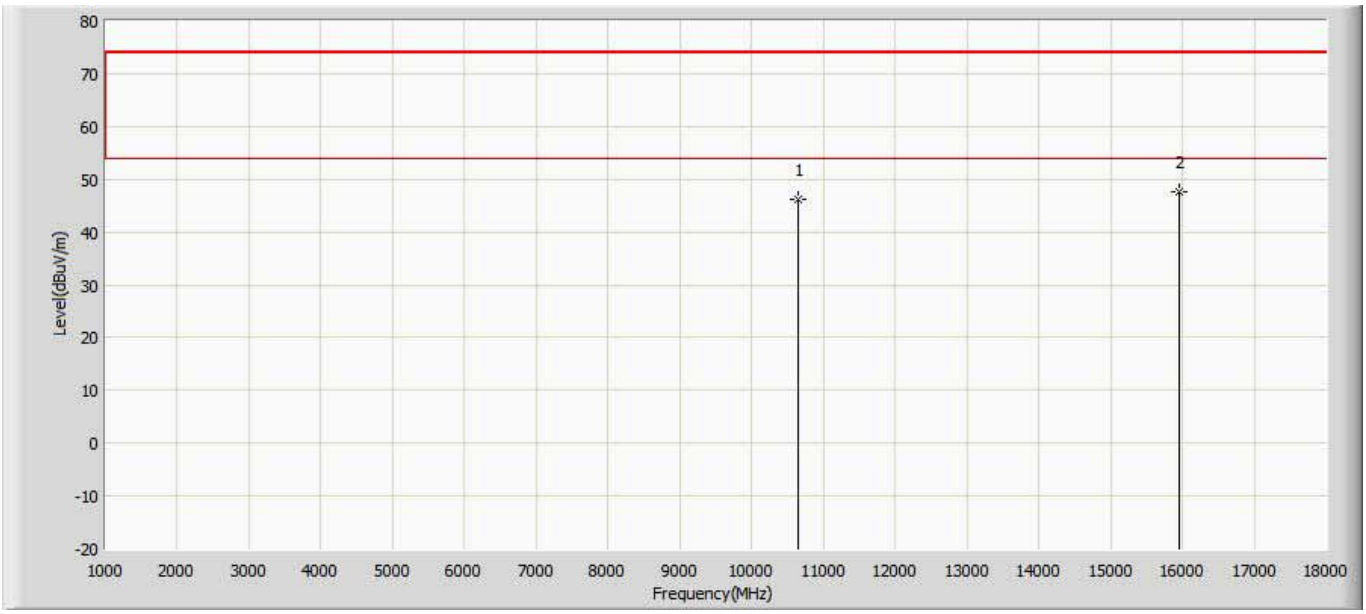
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	46.044	46.464	-27.956	74.000	-0.420	PK
2	*	15900.000	47.484	43.094	-26.516	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5300MHz by 802.11a	



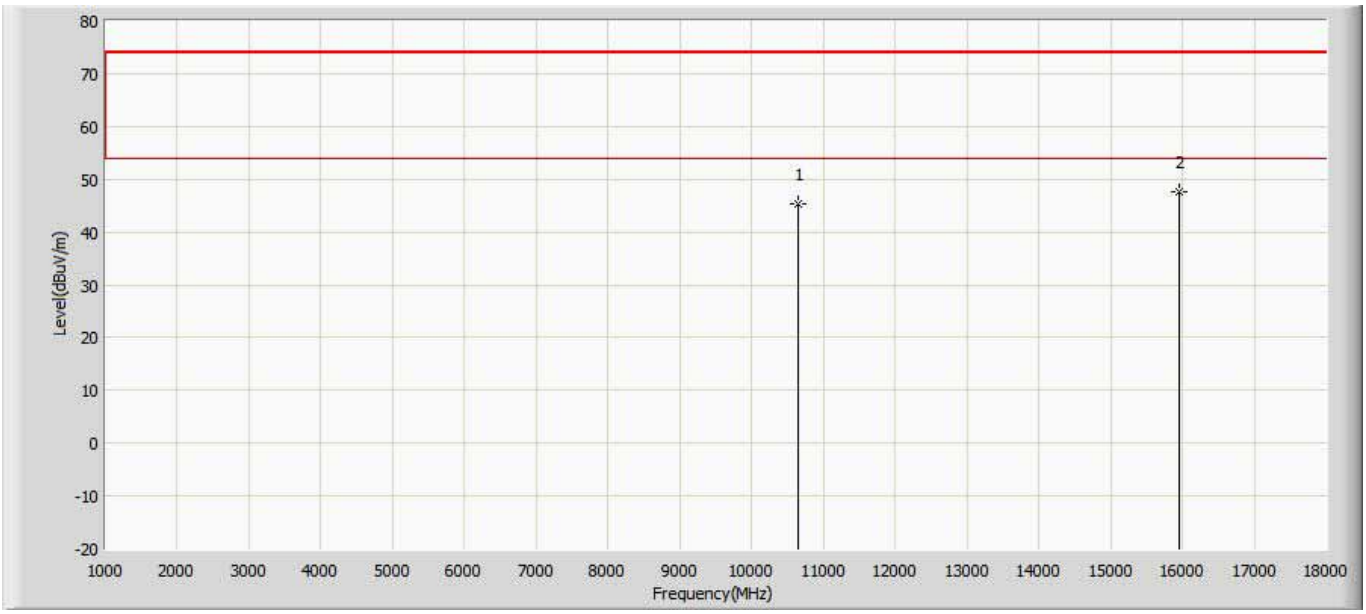
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	47.263	47.683	-26.737	74.000	-0.420	PK
2		15900.000	47.170	42.780	-26.830	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5320MHz by 802.11a	



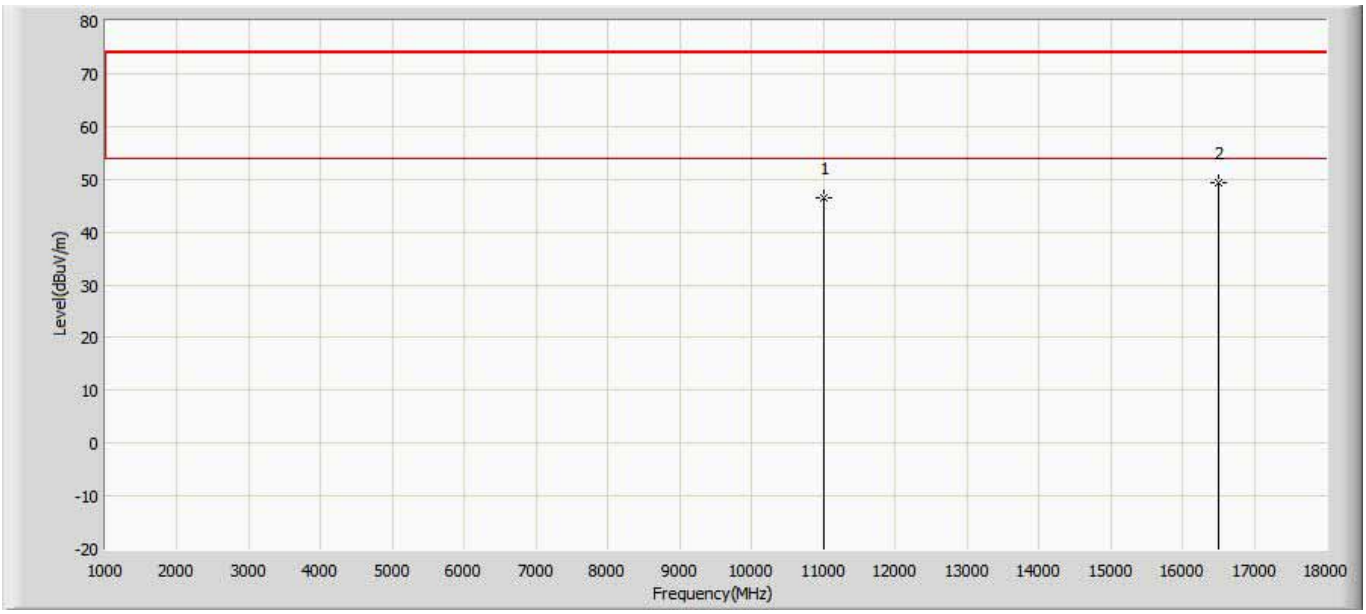
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	46.149	46.569	-27.851	74.000	-0.420	PK
2	*	15960.000	47.758	43.368	-26.242	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5320MHz by 802.11a	



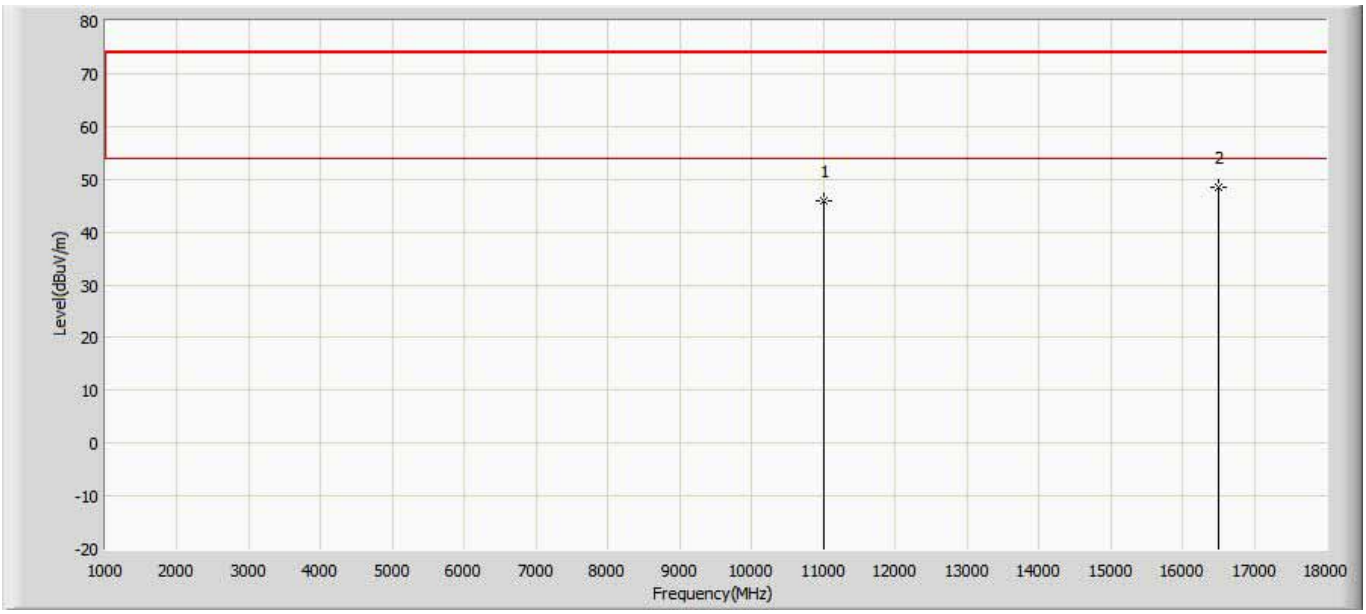
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.193	45.613	-28.807	74.000	-0.420	PK
2	*	15960.000	47.519	43.129	-26.481	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5500MHz by 802.11a	



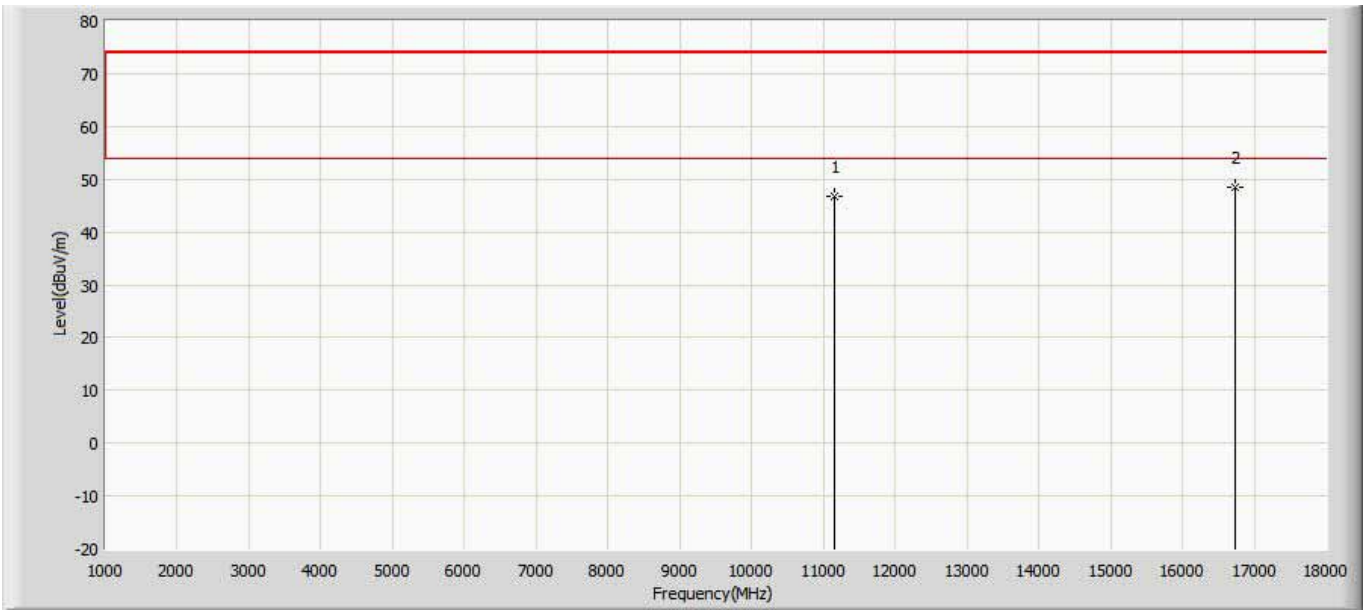
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	46.391	46.271	-27.609	74.000	0.120	PK
2	*	16500.000	49.266	44.026	-24.734	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5500MHz by 802.11a	



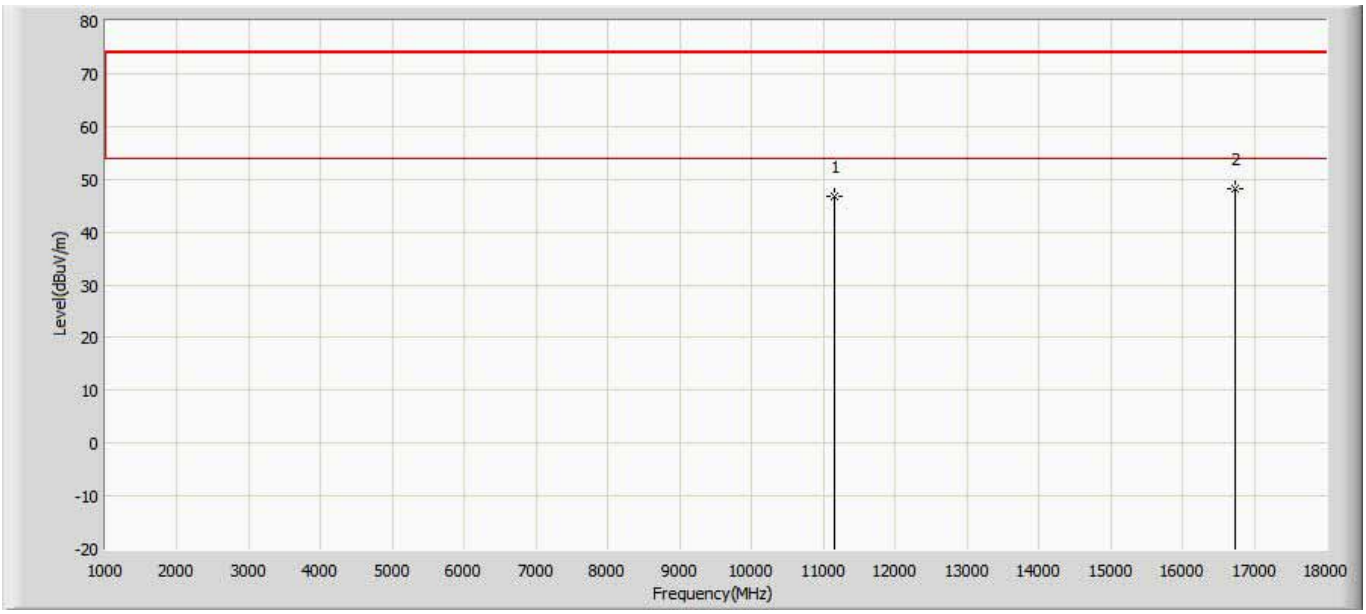
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.853	45.733	-28.147	74.000	0.120	PK
2	*	16500.000	48.386	43.146	-25.614	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5580MHz by 802.11a	



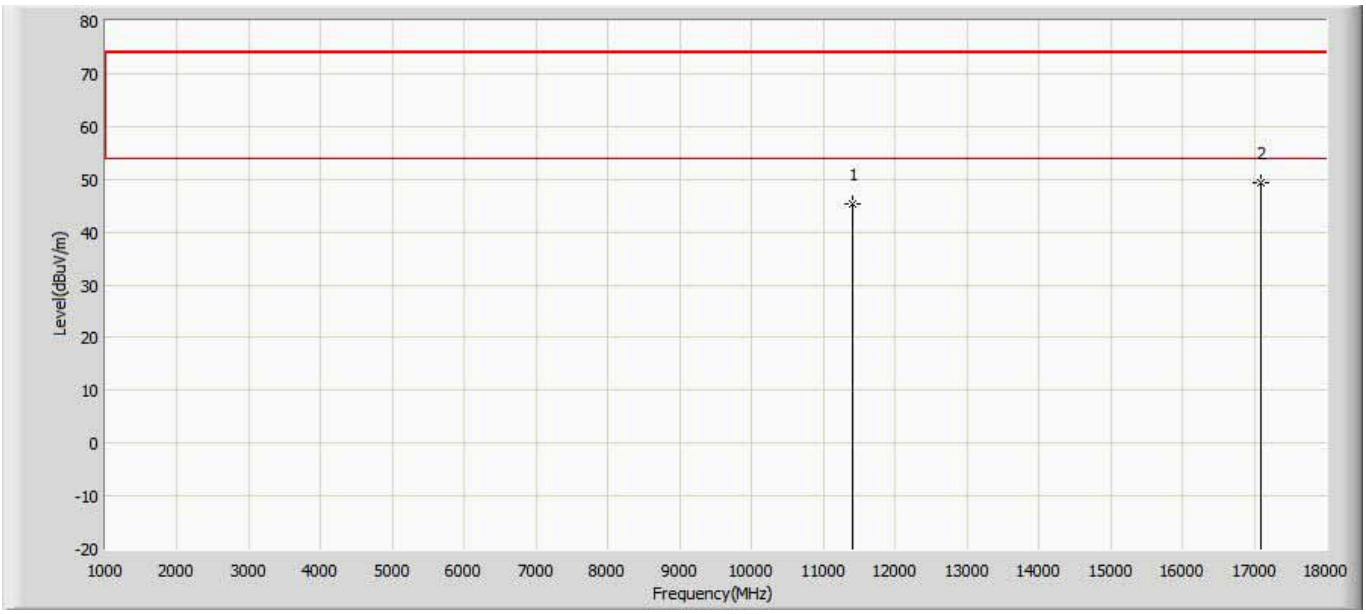
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	46.833	46.713	-27.167	74.000	0.120	PK
2	*	16740.000	48.363	42.973	-25.637	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5580MHz by 802.11a	



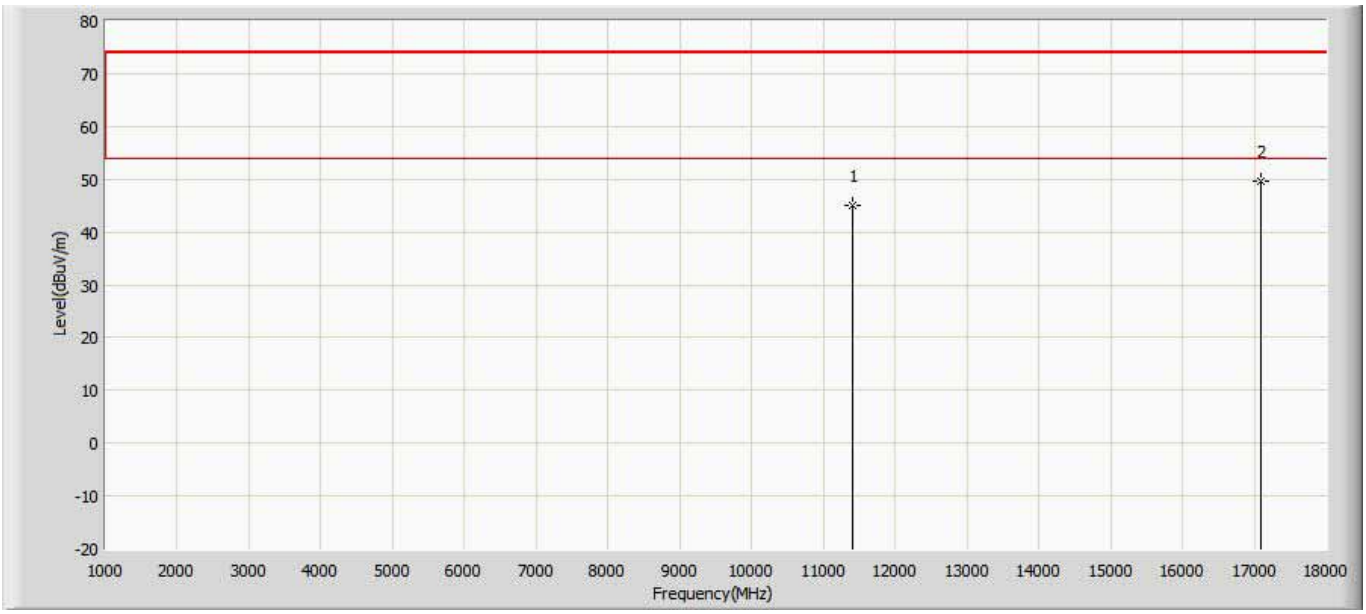
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	46.619	46.499	-27.381	74.000	0.120	PK
2	*	16740.000	48.121	42.731	-25.879	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5700MHz by 802.11a	



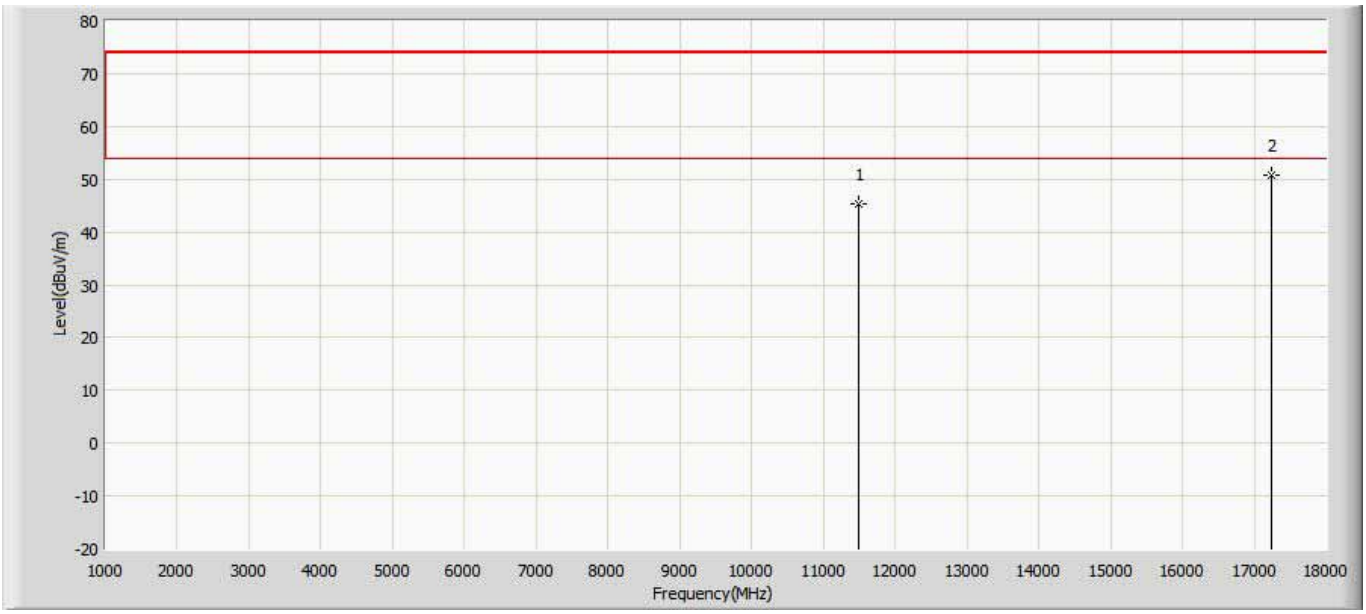
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	45.340	46.330	-28.660	74.000	-0.990	PK
2	*	17100.000	49.366	44.066	-24.634	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5700MHz by 802.11a	



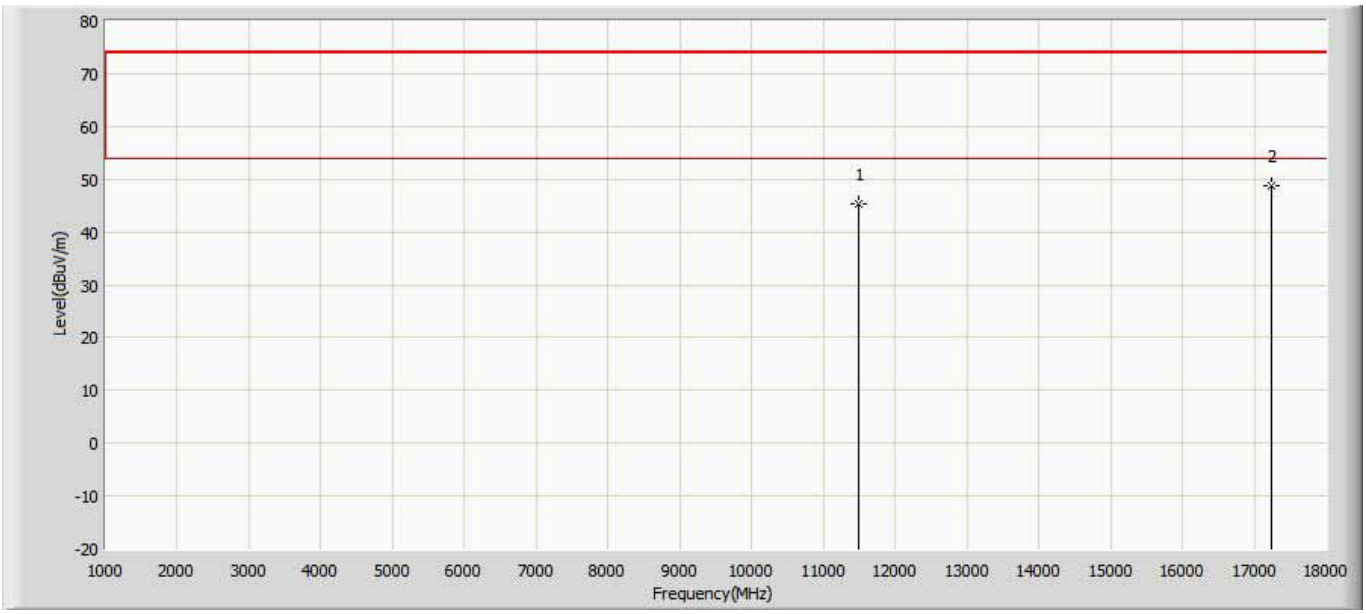
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	44.919	45.909	-29.081	74.000	-0.990	PK
2	*	17100.000	49.658	44.358	-24.342	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5745MHz by 802.11a	



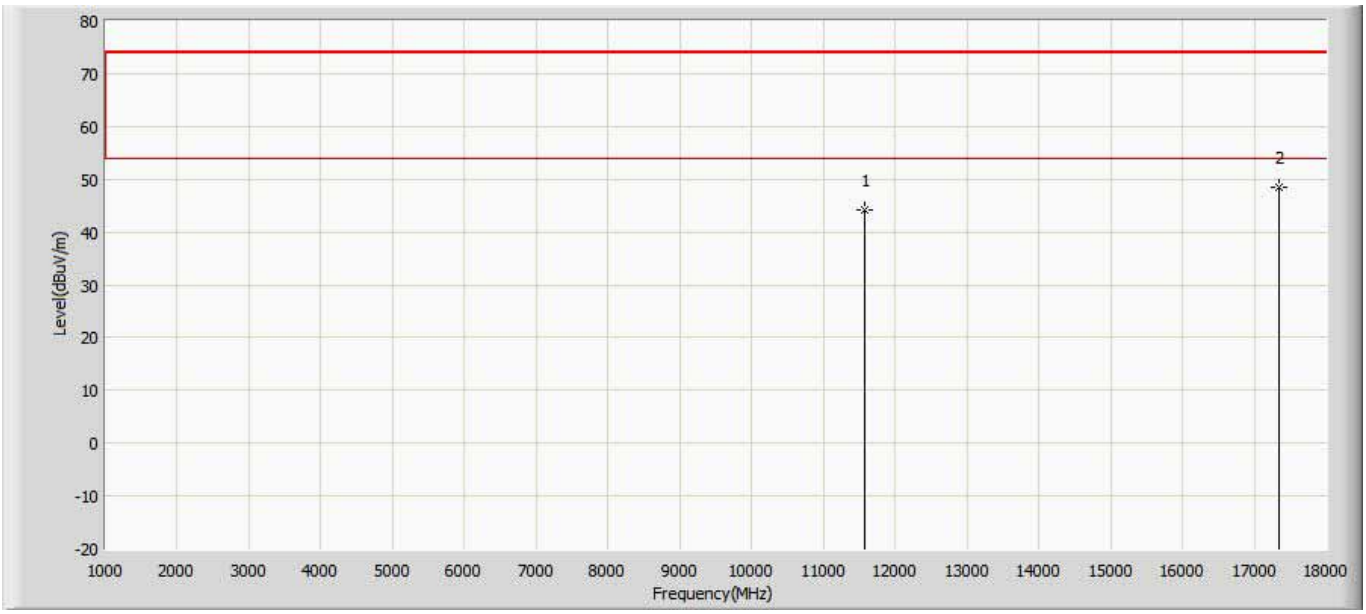
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.249	46.239	-28.751	74.000	-0.990	PK
2	*	17235.000	50.688	45.388	-23.312	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5745MHz by 802.11a	



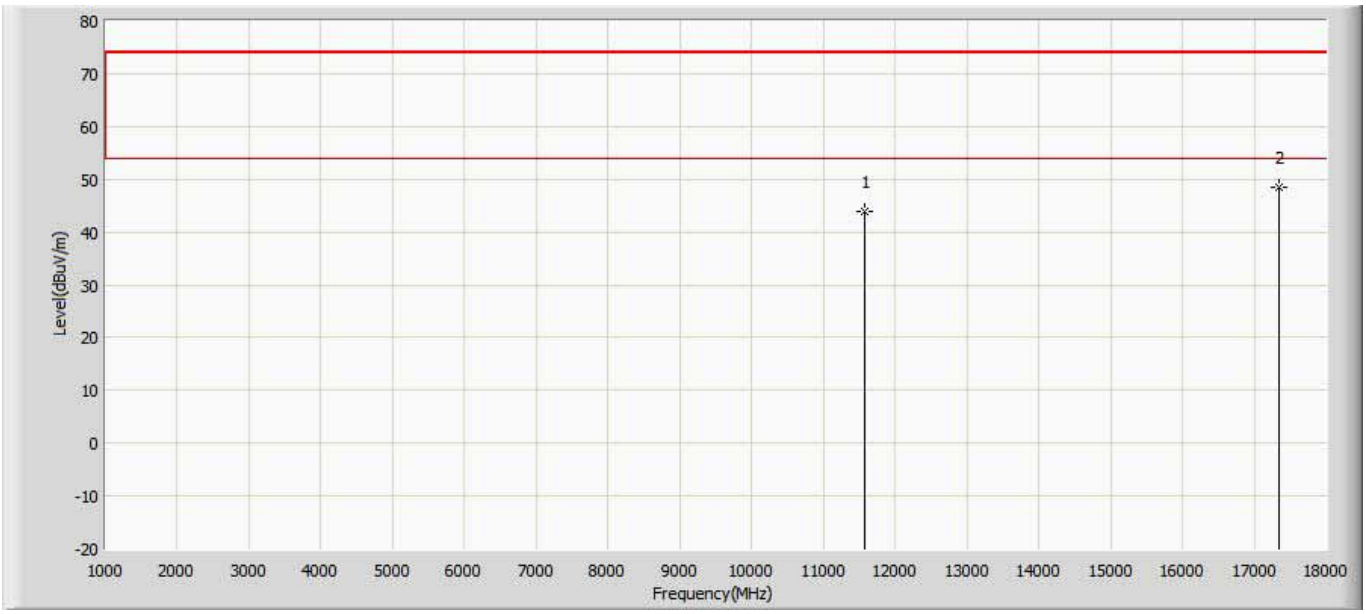
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.278	46.268	-28.722	74.000	-0.990	PK
2	*	17235.000	48.744	43.444	-25.256	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5785MHz by 802.11a	



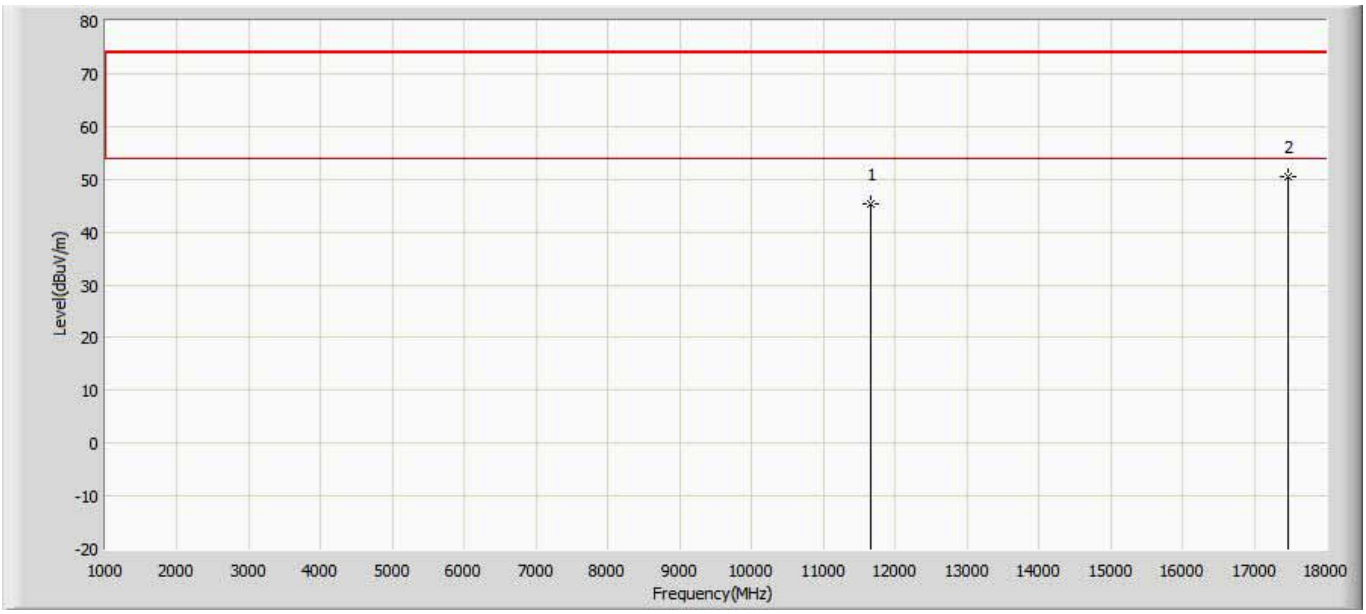
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.112	45.102	-29.888	74.000	-0.990	PK
2	*	17355.000	48.345	43.045	-25.655	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5785MHz by 802.11a	



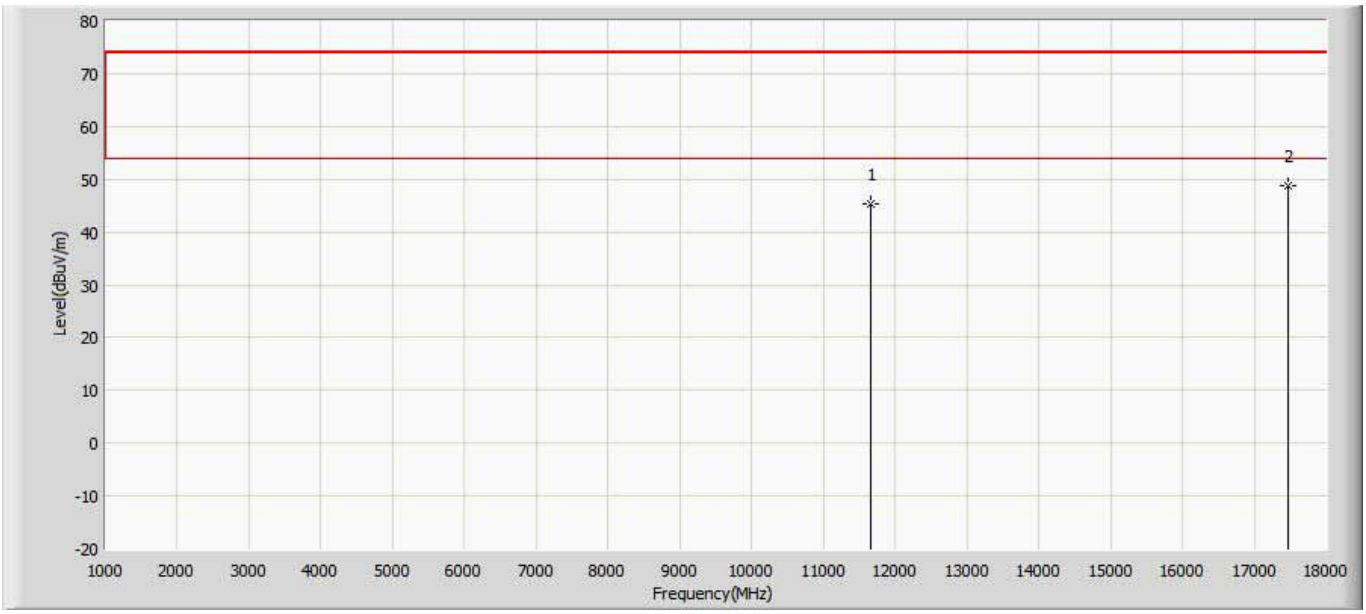
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	43.913	44.903	-30.087	74.000	-0.990	PK
2	*	17355.000	48.544	43.244	-25.456	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5825MHz by 802.11a	



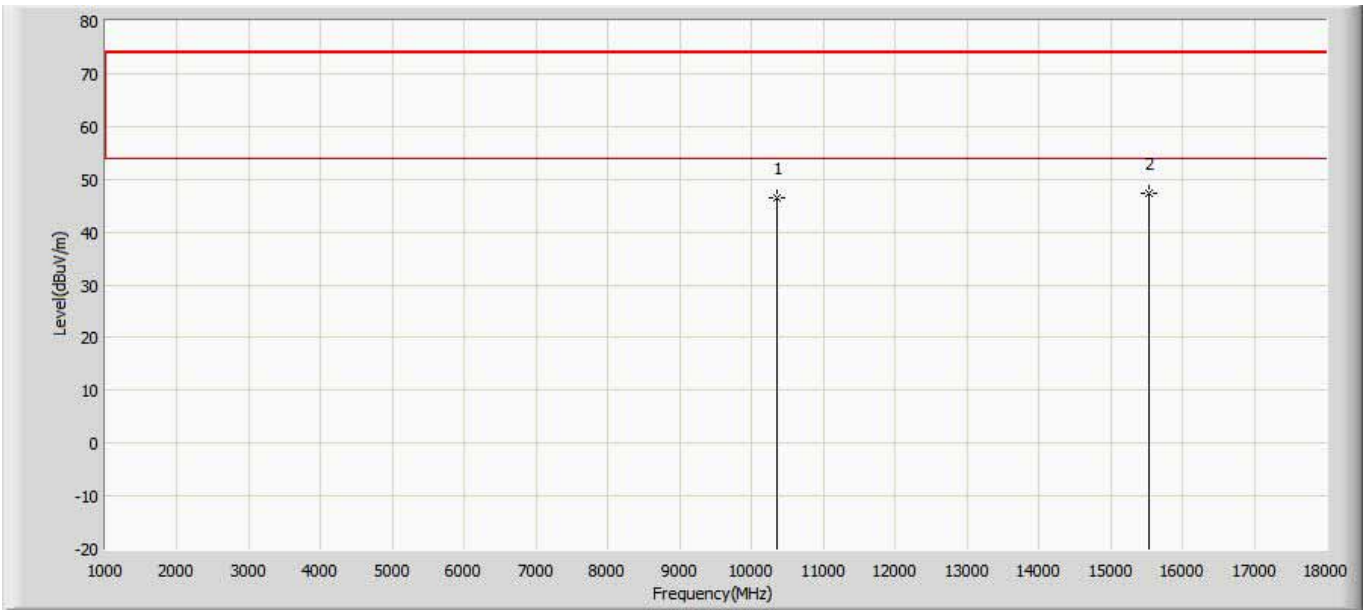
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.240	46.230	-28.760	74.000	-0.990	PK
2	*	17475.000	50.496	45.196	-23.504	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 1:Transmit at 5825MHz by 802.11a	



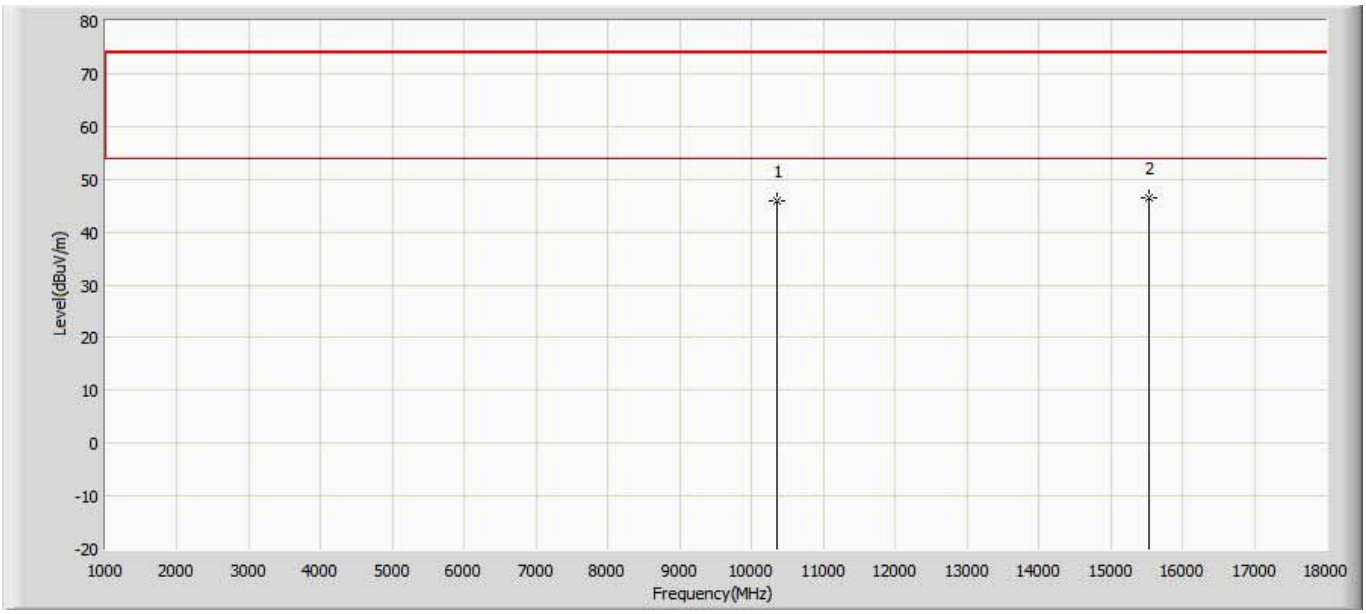
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.338	46.328	-28.662	74.000	-0.990	PK
2	*	17475.000	48.807	43.507	-25.193	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



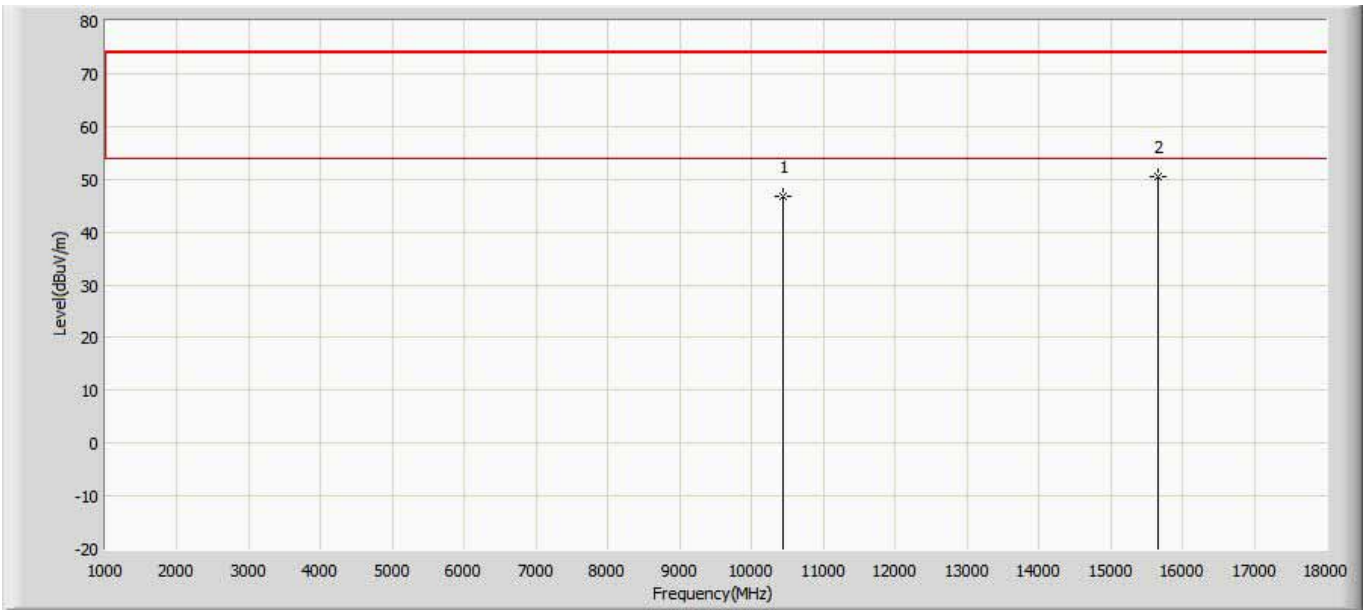
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	46.370	47.424	-27.630	74.000	-1.054	PK
2	*	15540.000	47.297	44.917	-26.703	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5180MHz by 802.11n20	



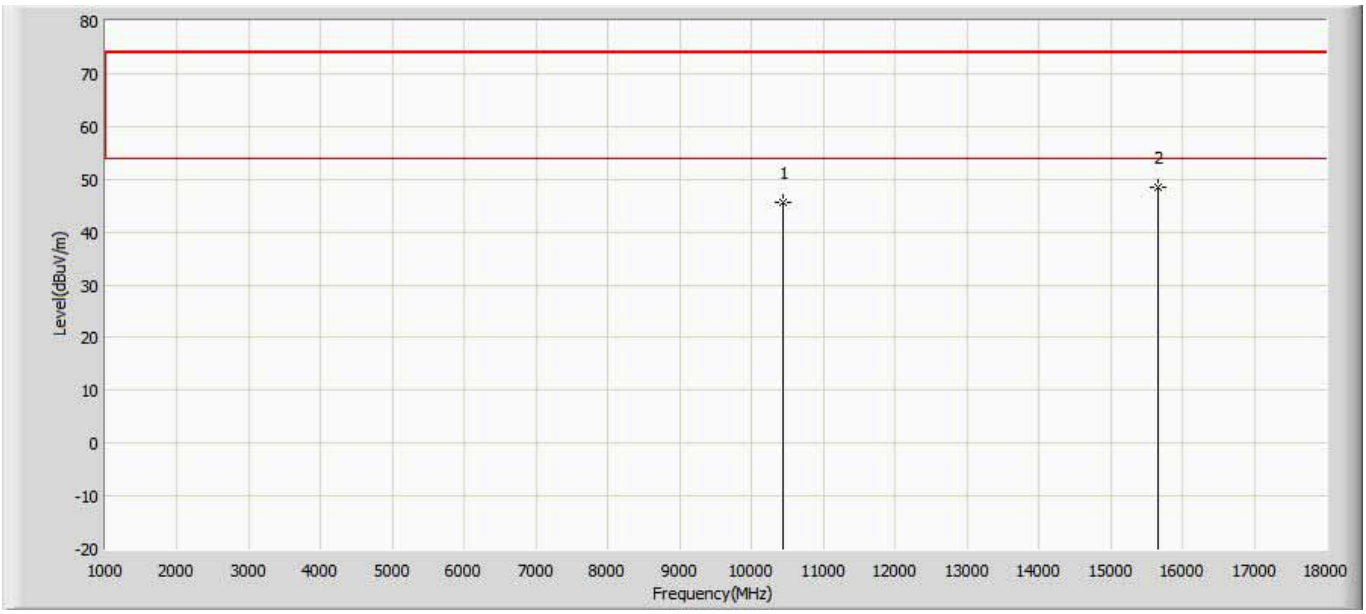
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	46.027	47.081	-27.973	74.000	-1.054	PK
2	*	15540.000	46.604	44.224	-27.396	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



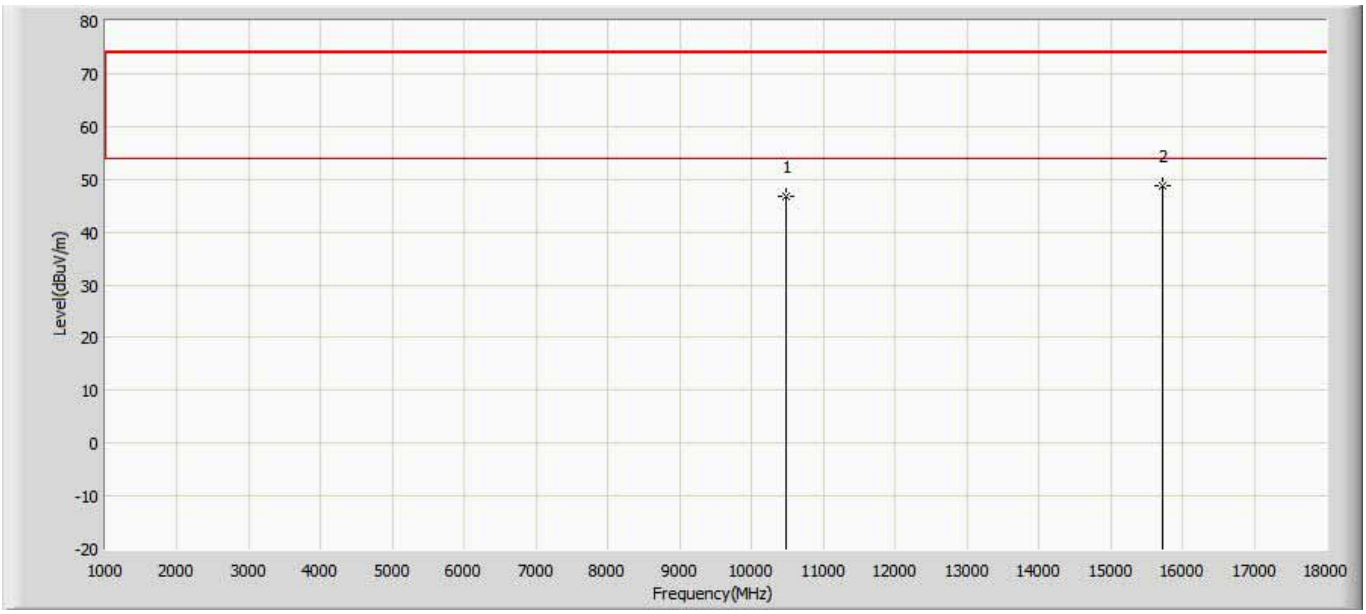
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	46.644	47.064	-27.356	74.000	-0.420	PK
2	*	15660.000	50.544	46.154	-23.456	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5220MHz by 802.11n20	



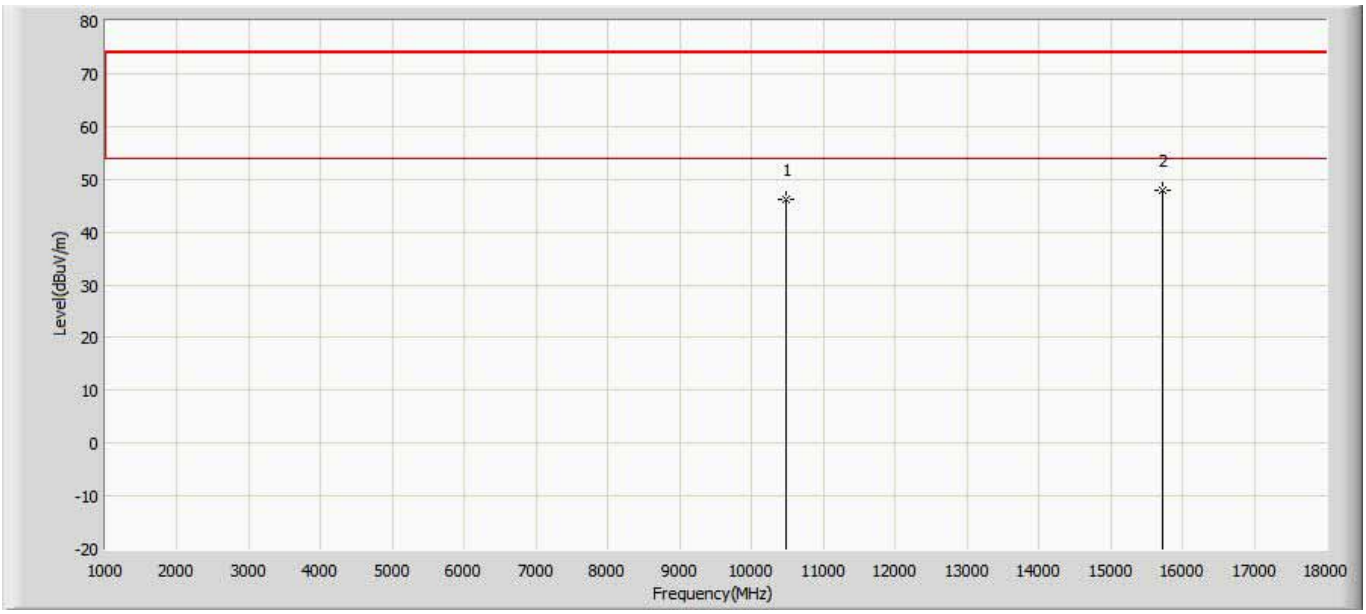
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	45.473	45.893	-28.527	74.000	-0.420	PK
2	*	15660.000	48.586	44.196	-25.414	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



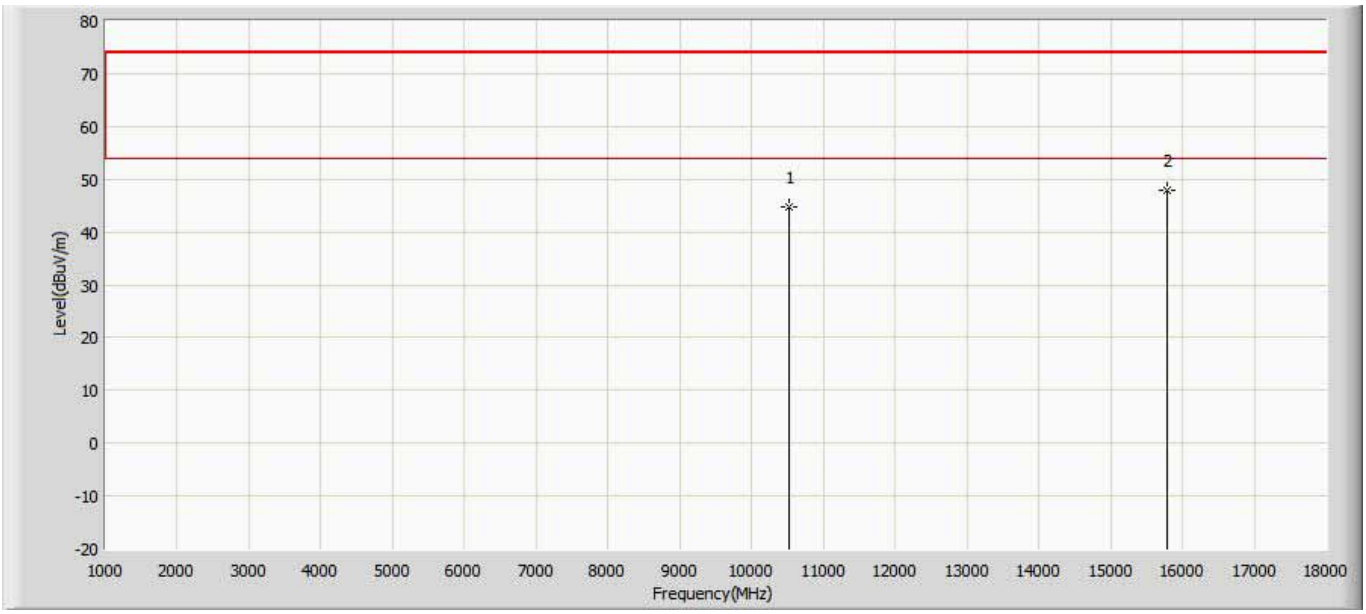
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.880	47.300	-27.120	74.000	-0.420	PK
2	*	15720.000	48.864	44.474	-25.136	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5240MHz by 802.11n20	



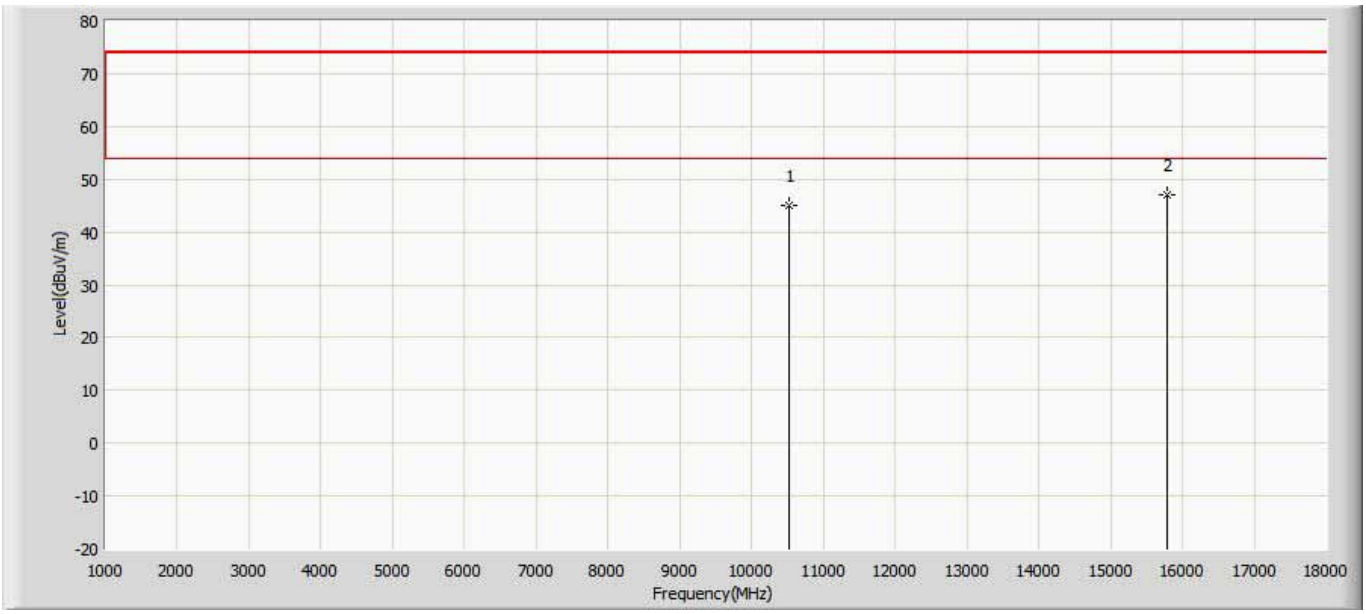
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.111	46.531	-27.889	74.000	-0.420	PK
2	*	15720.000	47.798	43.408	-26.202	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5260MHz by 802.11n20	



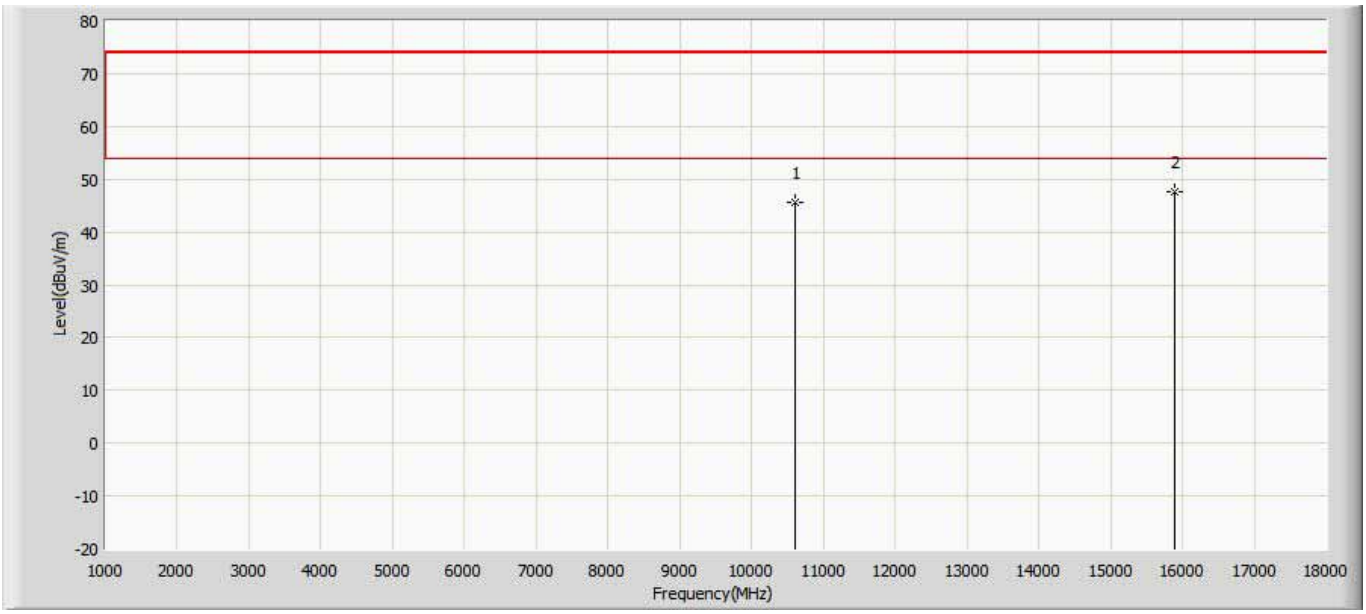
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	44.791	45.211	-29.209	74.000	-0.420	PK
2	*	15780.000	47.899	43.509	-26.101	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5260MHz by 802.11n20	



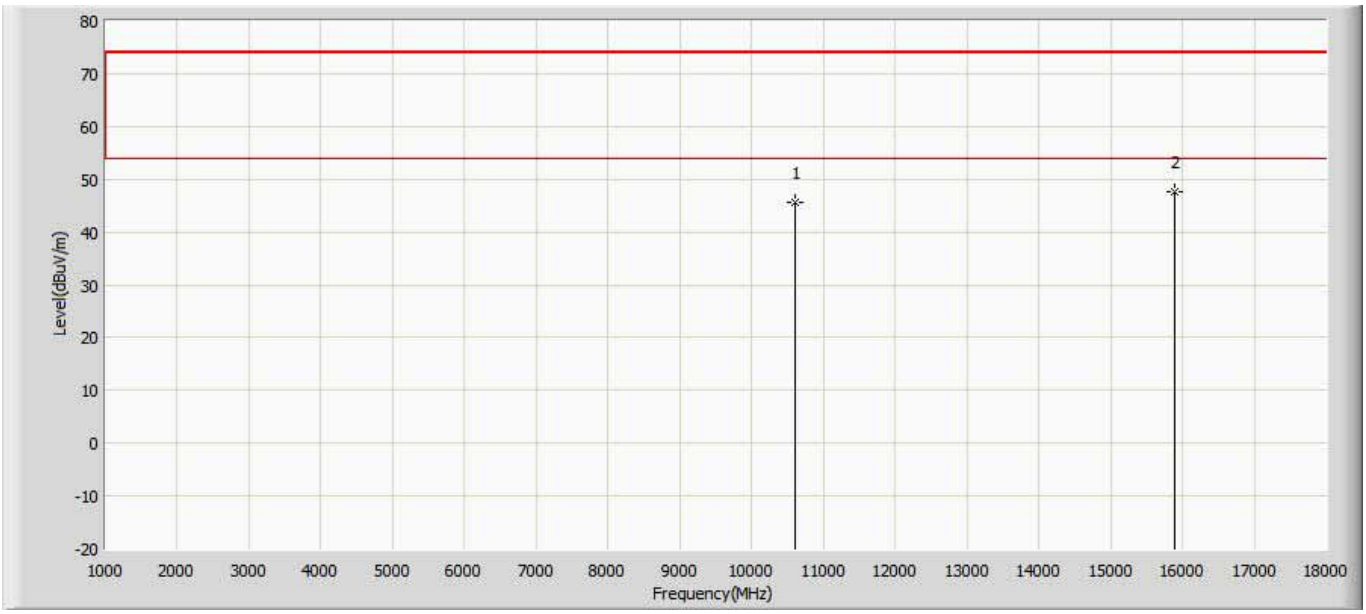
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.151	45.571	-28.849	74.000	-0.420	PK
2	*	15780.000	47.185	42.795	-26.815	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5300MHz by 802.11n20	



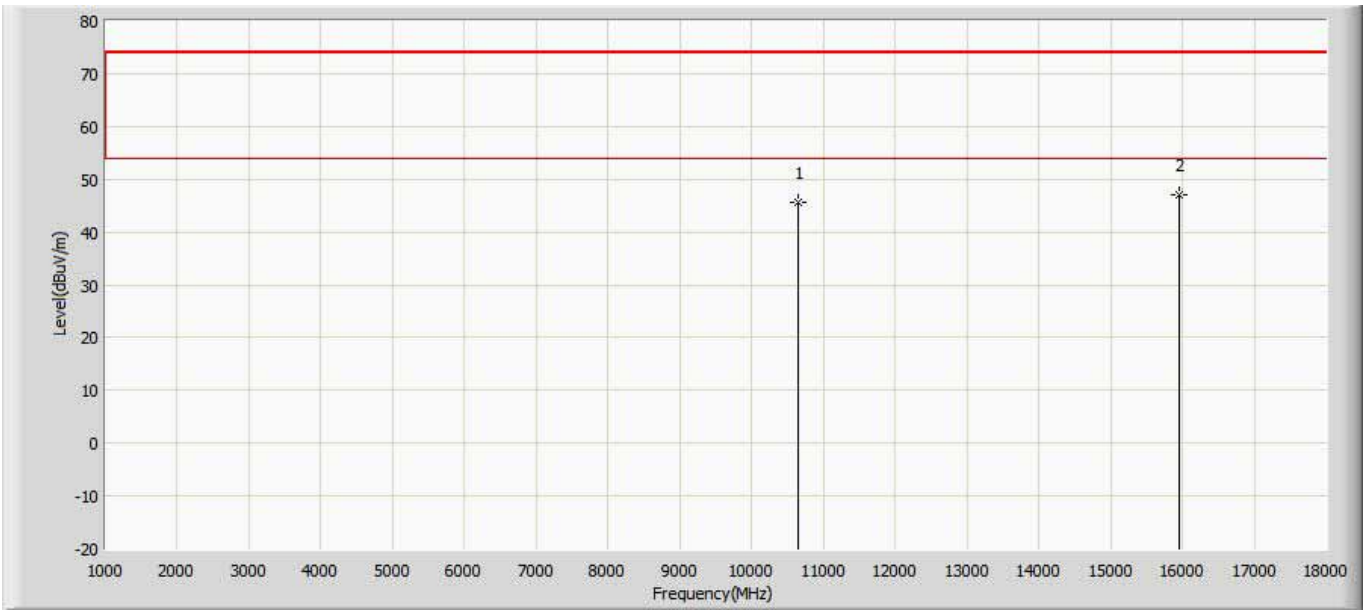
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.482	45.902	-28.518	74.000	-0.420	PK
2	*	15900.000	47.580	43.190	-26.420	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5300MHz by 802.11n20	



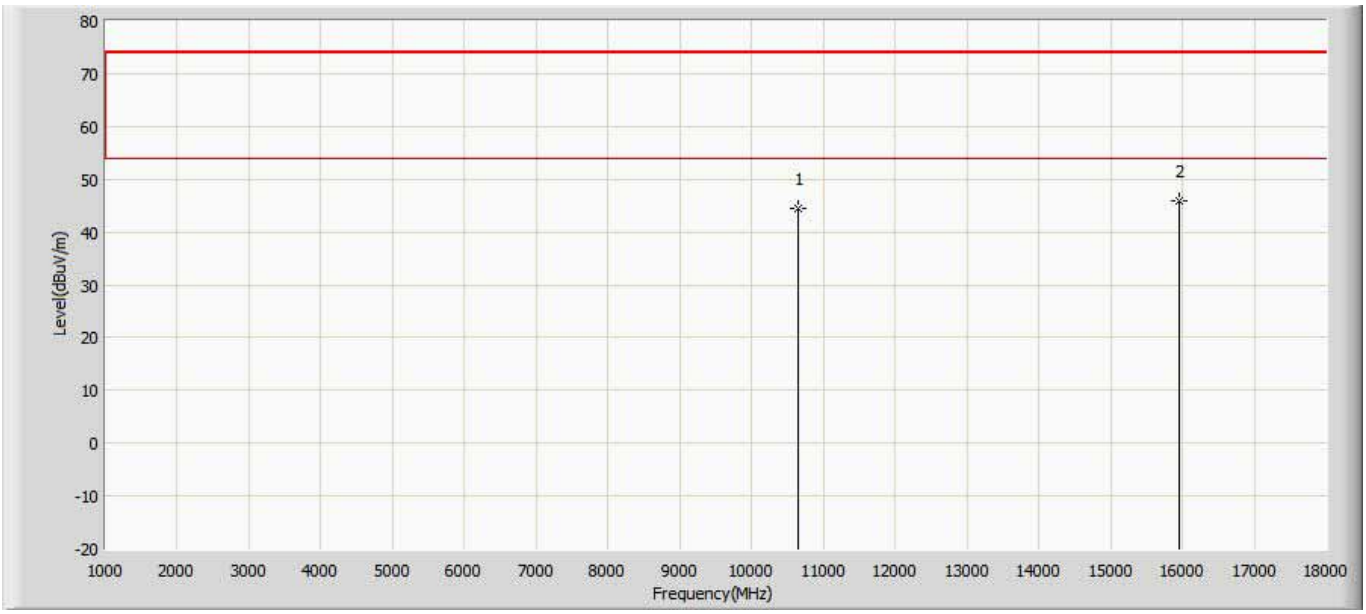
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.614	46.034	-28.386	74.000	-0.420	PK
2	*	15900.000	47.497	43.107	-26.503	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5320MHz by 802.11n20	



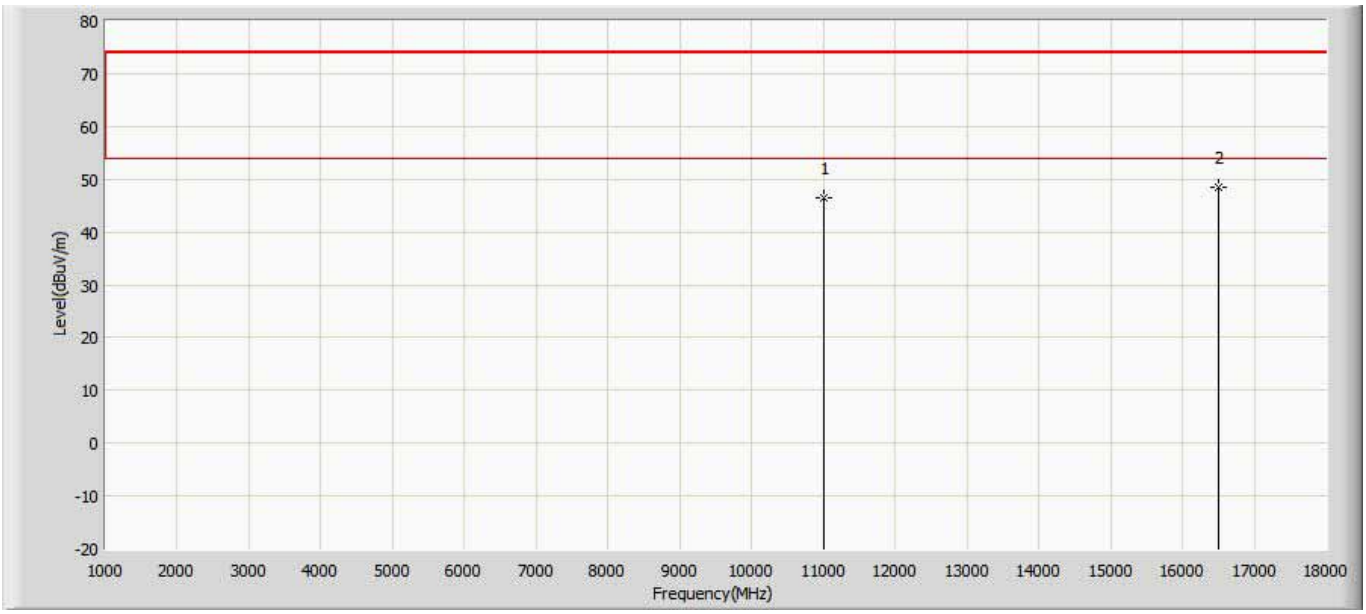
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	45.634	46.054	-28.366	74.000	-0.420	PK
2	*	15960.000	47.068	42.678	-26.932	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5320MHz by 802.11n20	



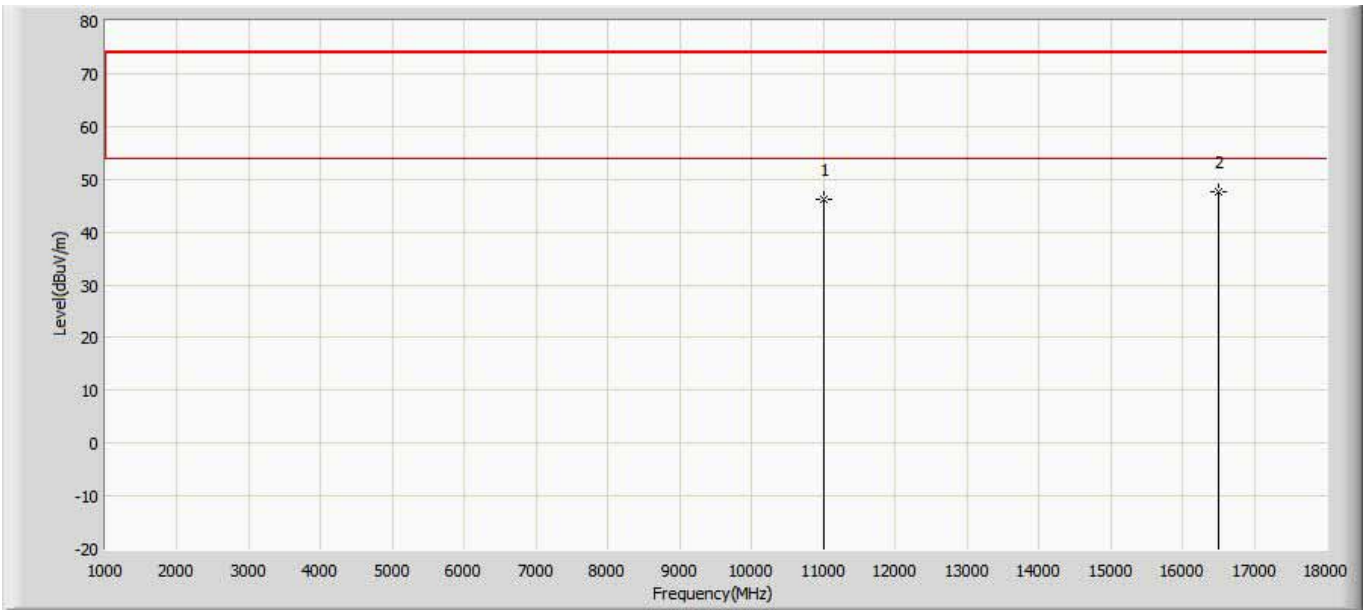
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.492	44.912	-29.508	74.000	-0.420	PK
2	*	15960.000	45.802	41.412	-28.198	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5500MHz by 802.11n20	



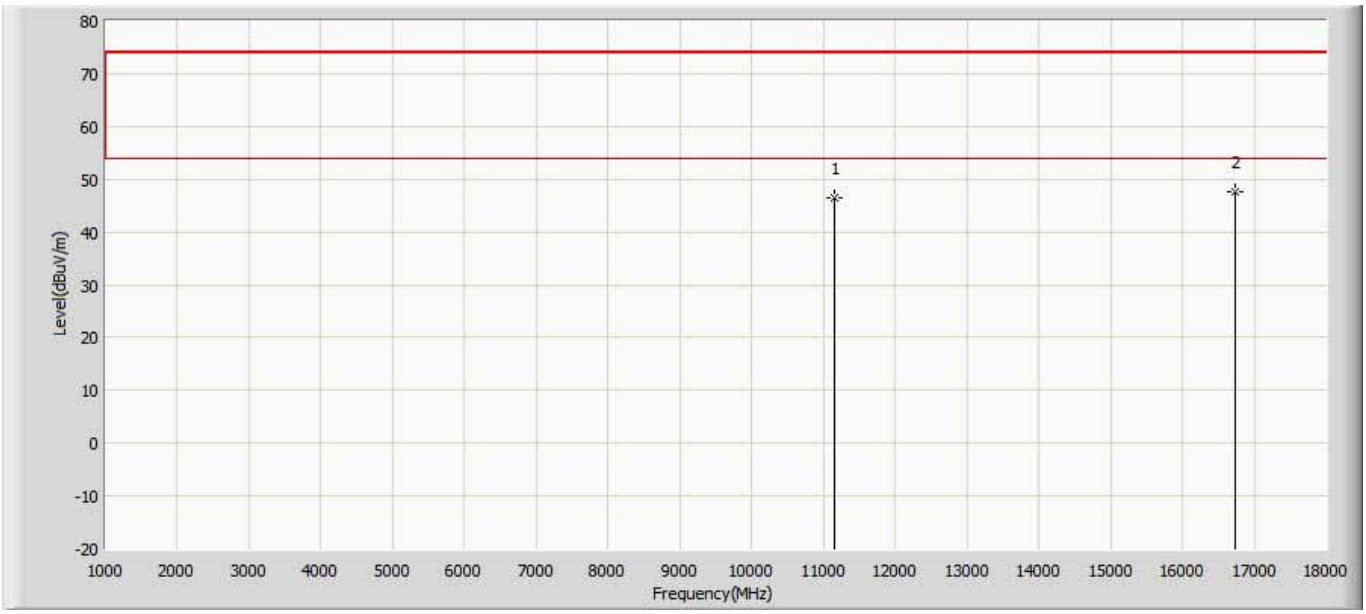
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	46.378	46.258	-27.622	74.000	0.120	PK
2	*	16500.000	48.477	43.237	-25.523	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5500MHz by 802.11n20	



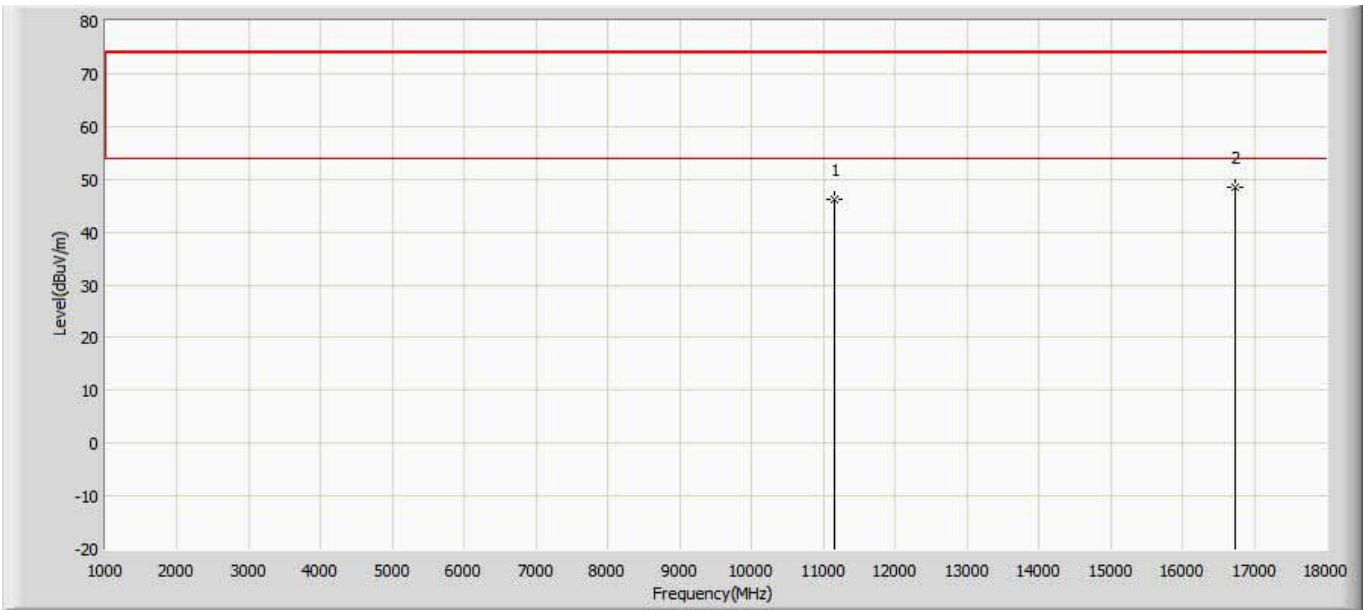
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	46.151	46.031	-27.849	74.000	0.120	PK
2	*	16500.000	47.676	42.436	-26.324	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5580MHz by 802.11n20	



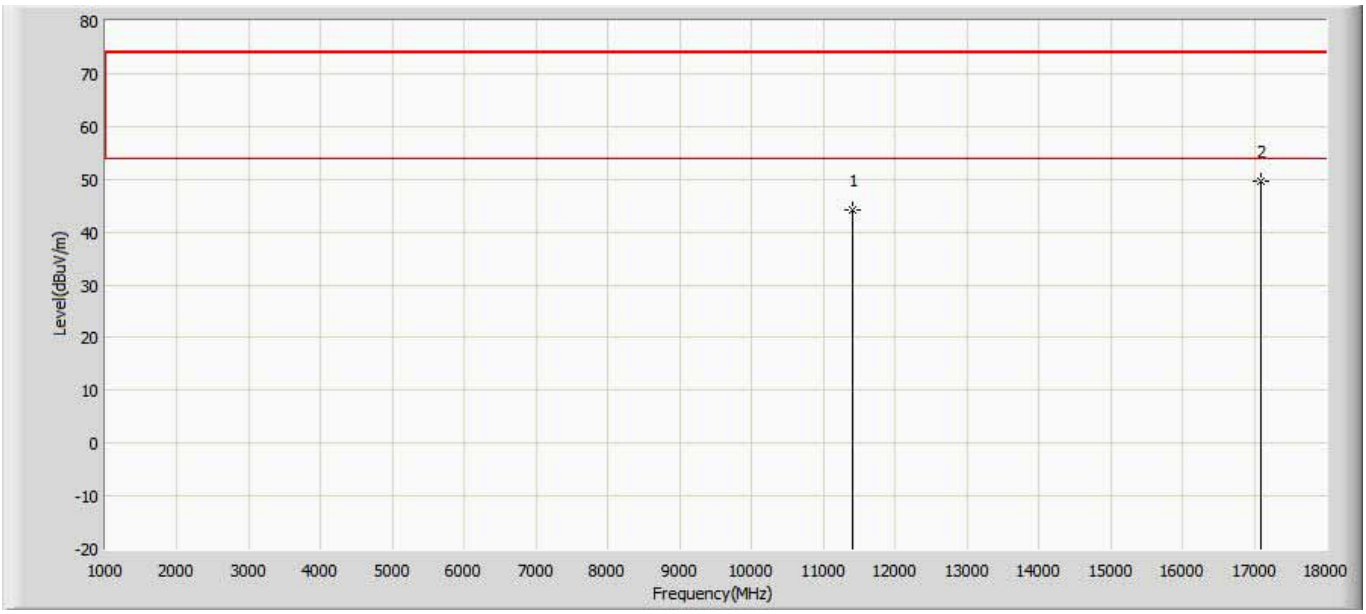
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	46.553	46.433	-27.447	74.000	0.120	PK
2	*	16740.000	47.490	42.100	-26.510	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5580MHz by 802.11n20	



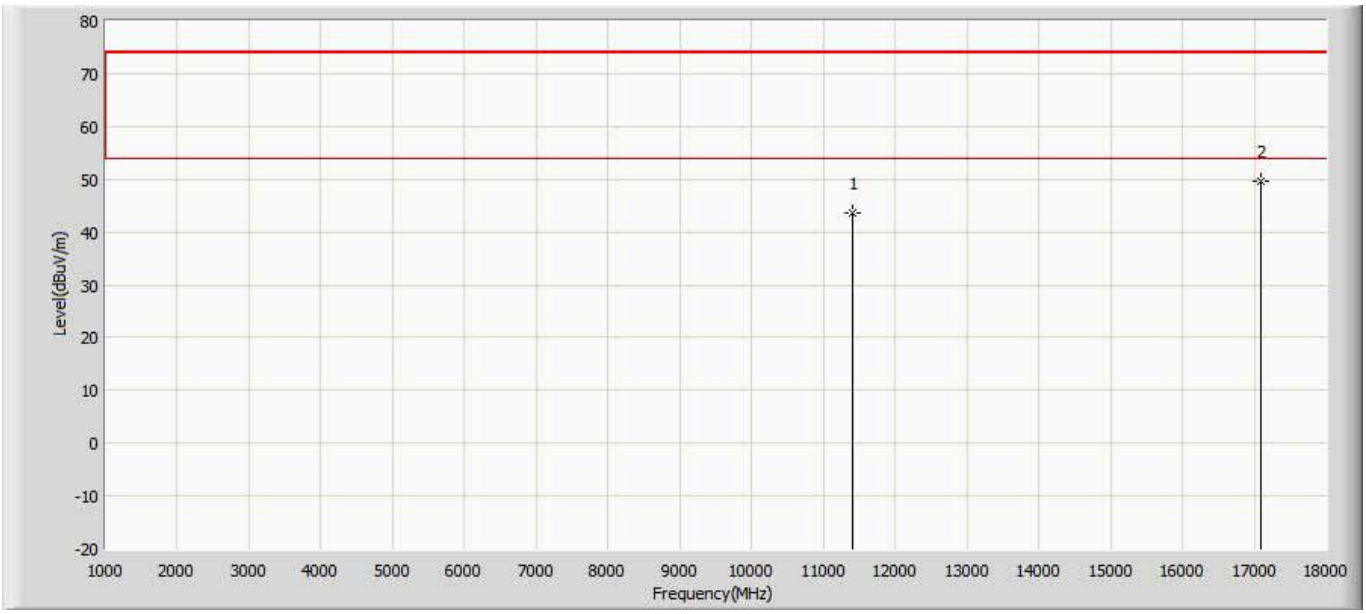
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	46.214	46.094	-27.786	74.000	0.120	PK
2	*	16740.000	48.612	43.222	-25.388	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5700MHz by 802.11n20	



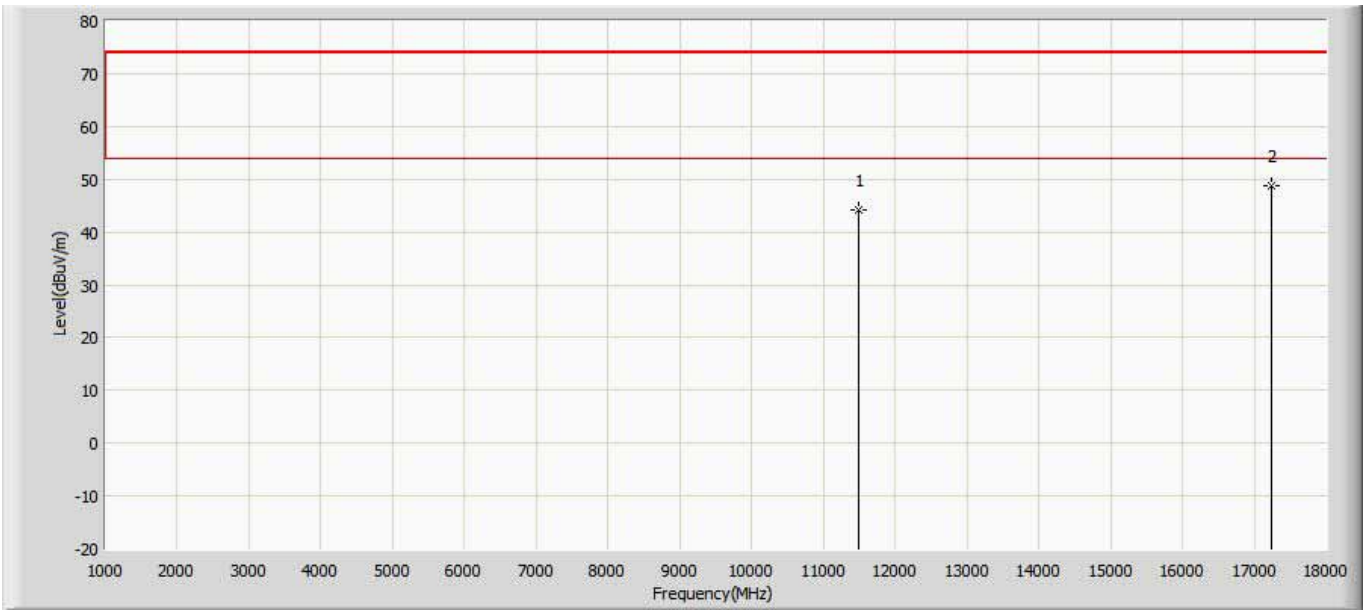
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	44.067	45.057	-29.933	74.000	-0.990	PK
2	*	17100.000	49.700	44.400	-24.300	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5700MHz by 802.11n20	



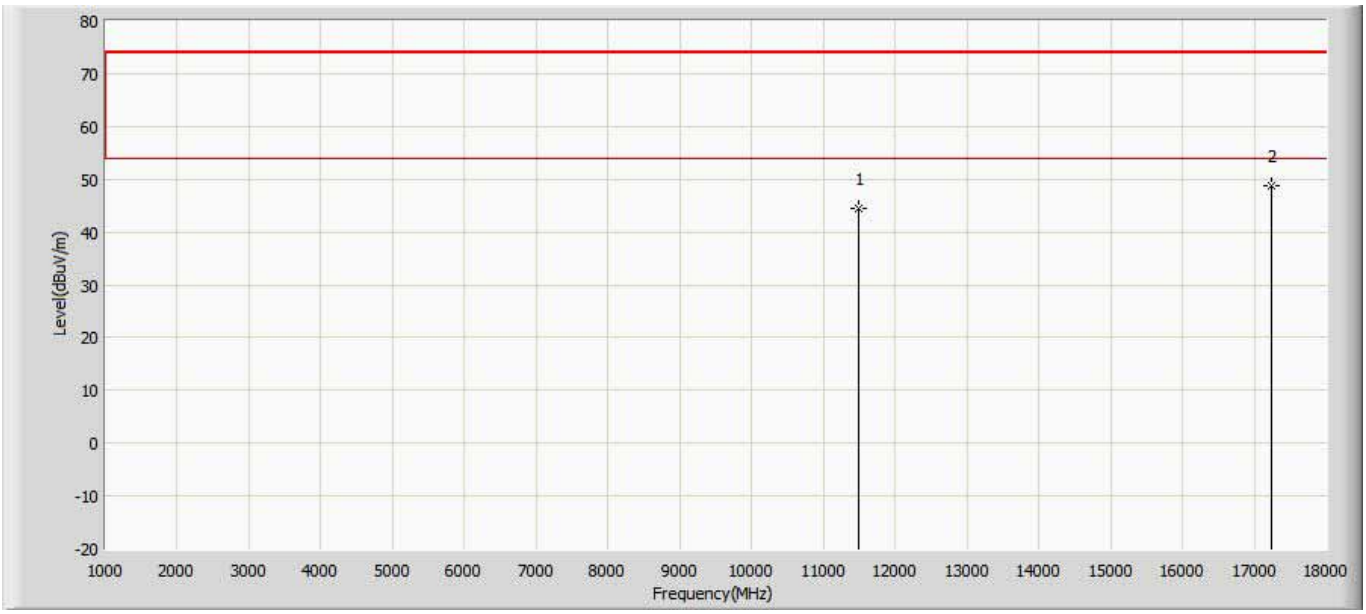
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.628	44.618	-30.372	74.000	-0.990	PK
2	*	17100.000	49.592	44.292	-24.408	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5745MHz by 802.11n20	



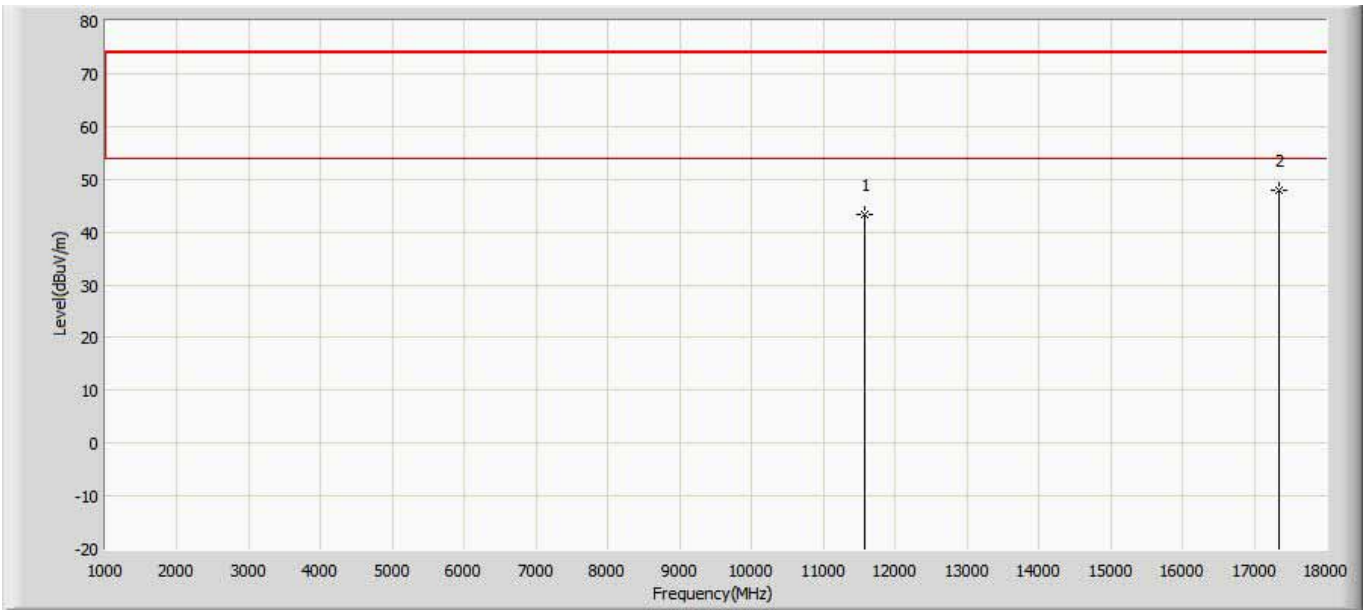
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	44.082	45.072	-29.918	74.000	-0.990	PK
2	*	17235.000	48.846	43.546	-25.154	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5745MHz by 802.11n20	



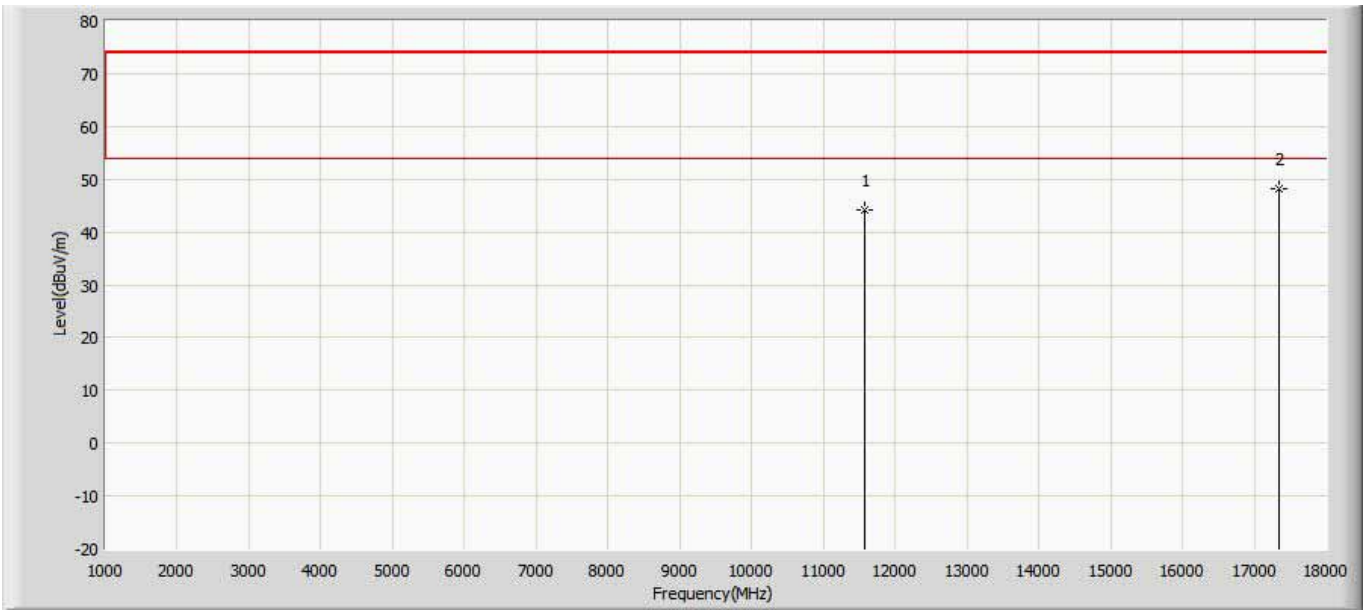
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	44.506	45.496	-29.494	74.000	-0.990	PK
2	*	17235.000	48.739	43.439	-25.261	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5785MHz by 802.11n20	



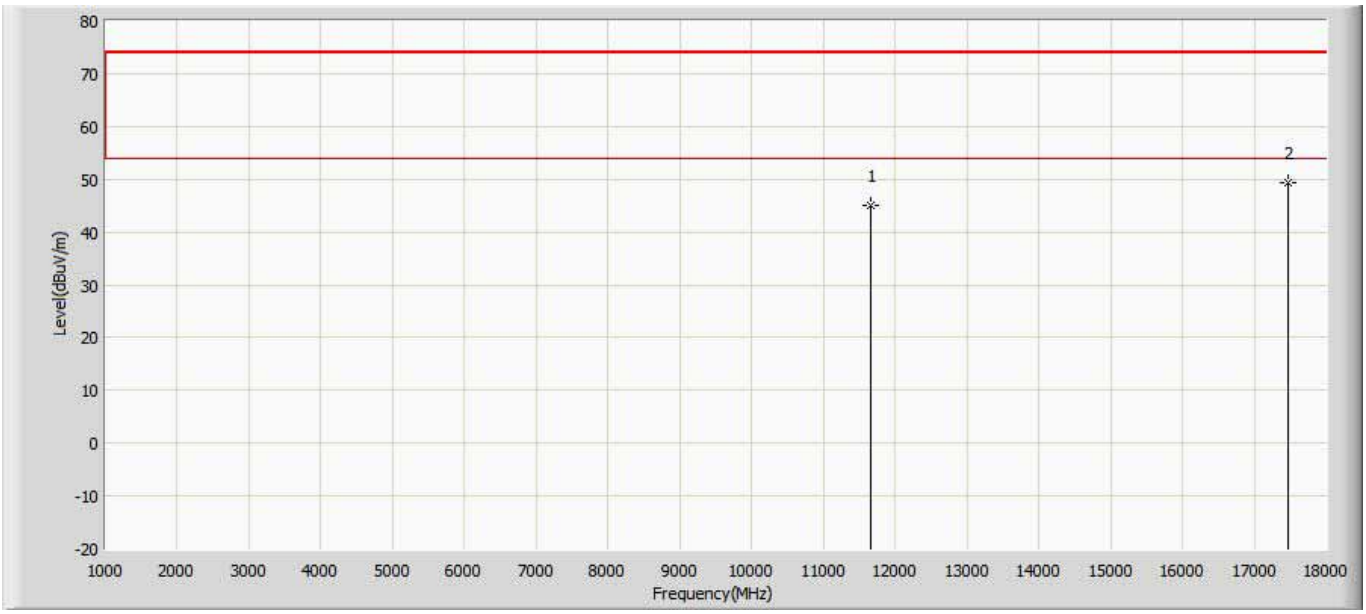
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	43.416	44.406	-30.584	74.000	-0.990	PK
2	*	17355.000	47.957	42.657	-26.043	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5785MHz by 802.11n20	



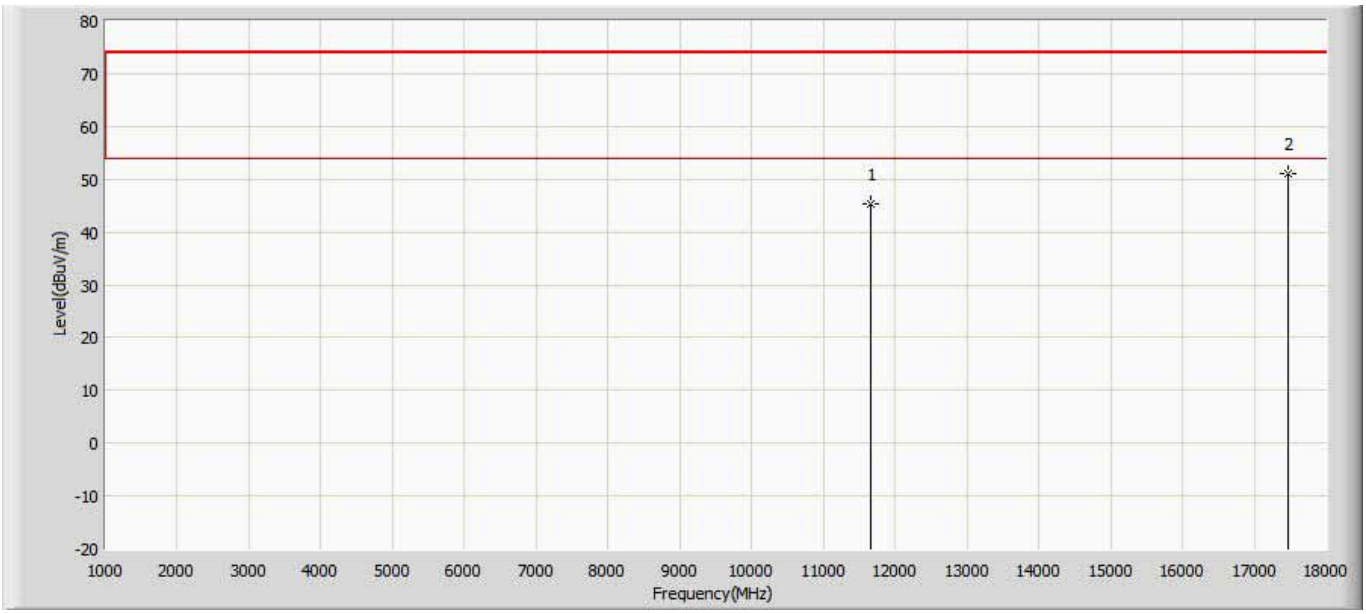
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.314	45.304	-29.686	74.000	-0.990	PK
2	*	17355.000	48.159	42.859	-25.841	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 802.11n20	



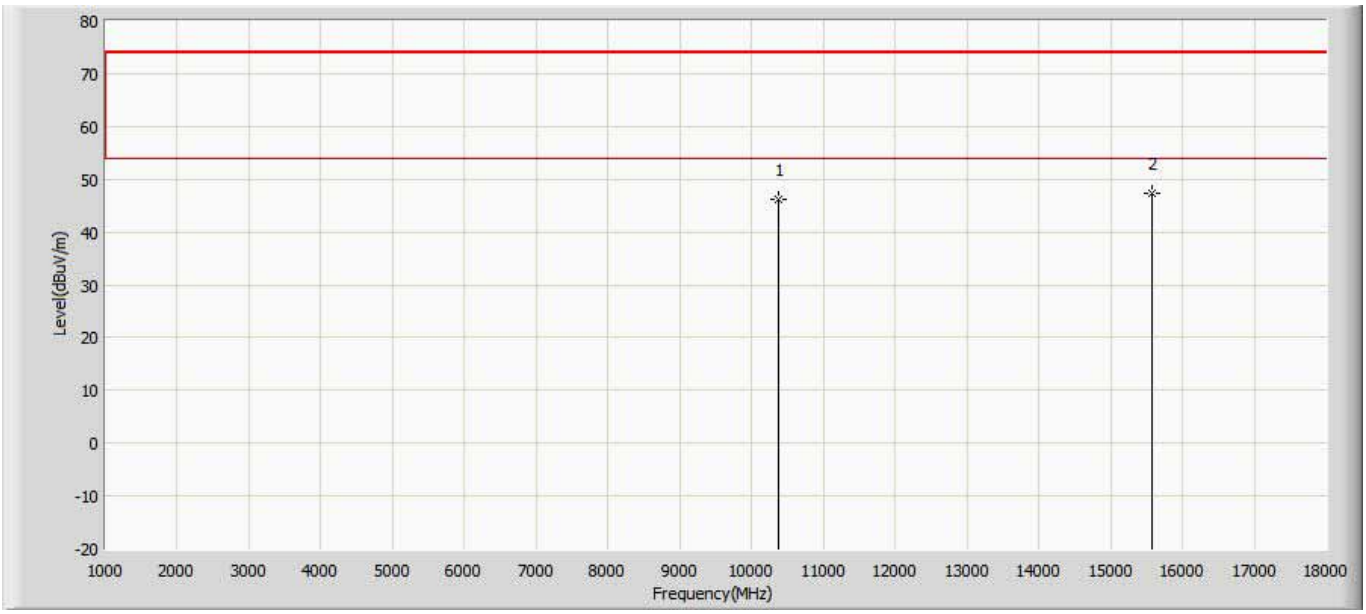
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.153	46.143	-28.847	74.000	-0.990	PK
2	*	17475.000	49.394	44.094	-24.606	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 2:Transmit at 5825MHz by 802.11n20	



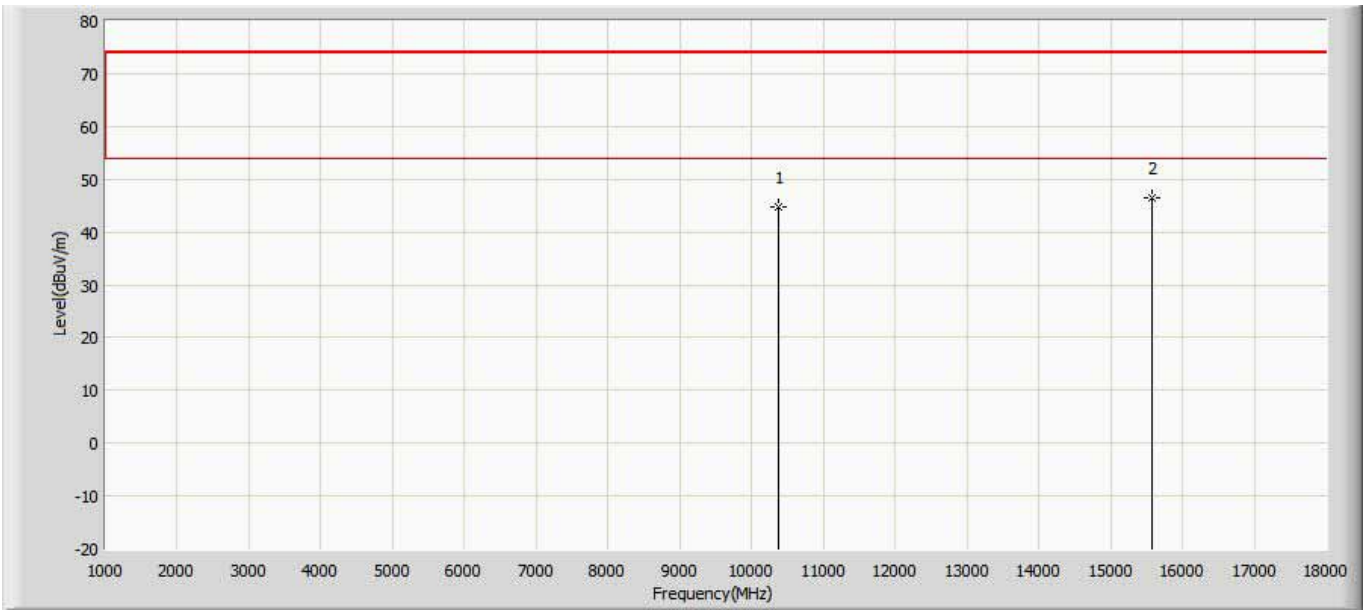
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.351	46.341	-28.649	74.000	-0.990	PK
2	*	17475.000	51.175	45.875	-22.825	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



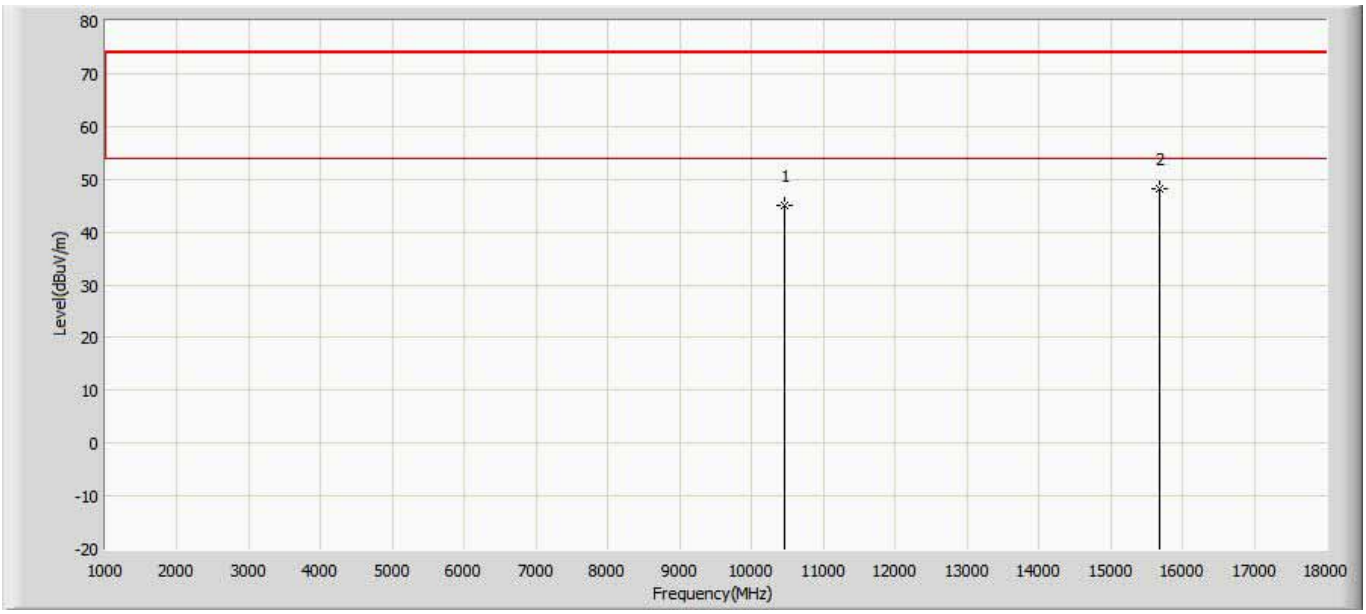
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	46.122	46.542	-27.878	74.000	-0.420	PK
2	*	15570.000	47.353	44.973	-26.647	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5190MHz by 802.11n40	



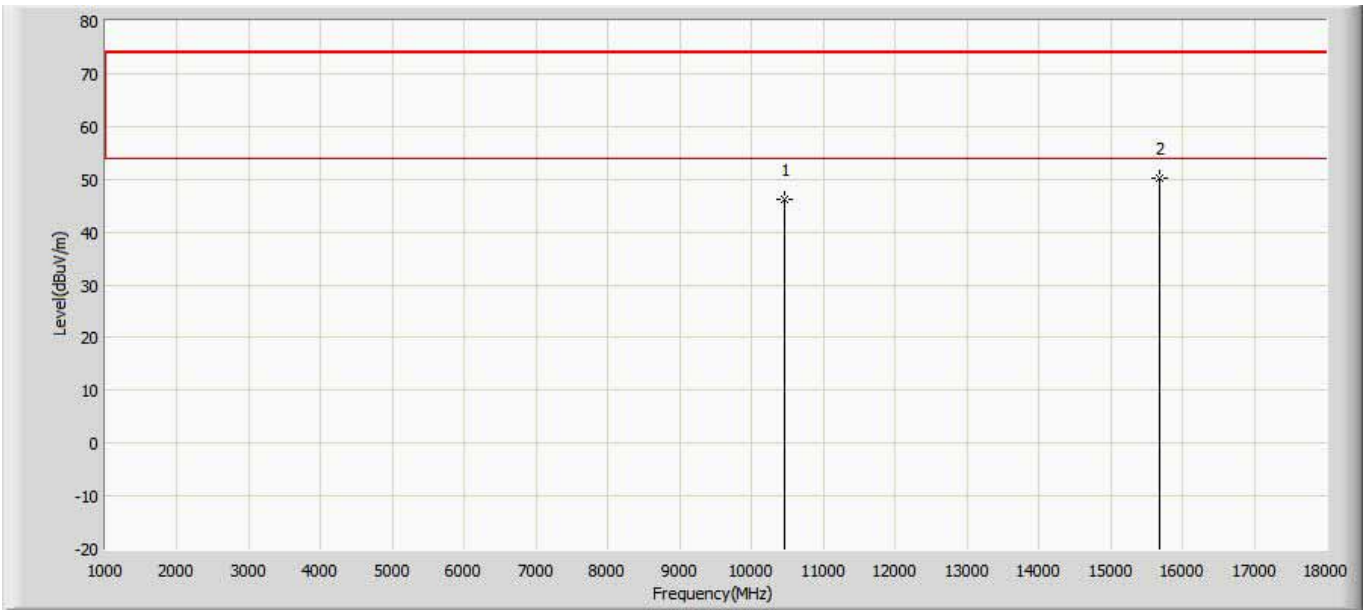
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.752	45.172	-29.248	74.000	-0.420	PK
2	*	15570.000	46.560	44.180	-27.440	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



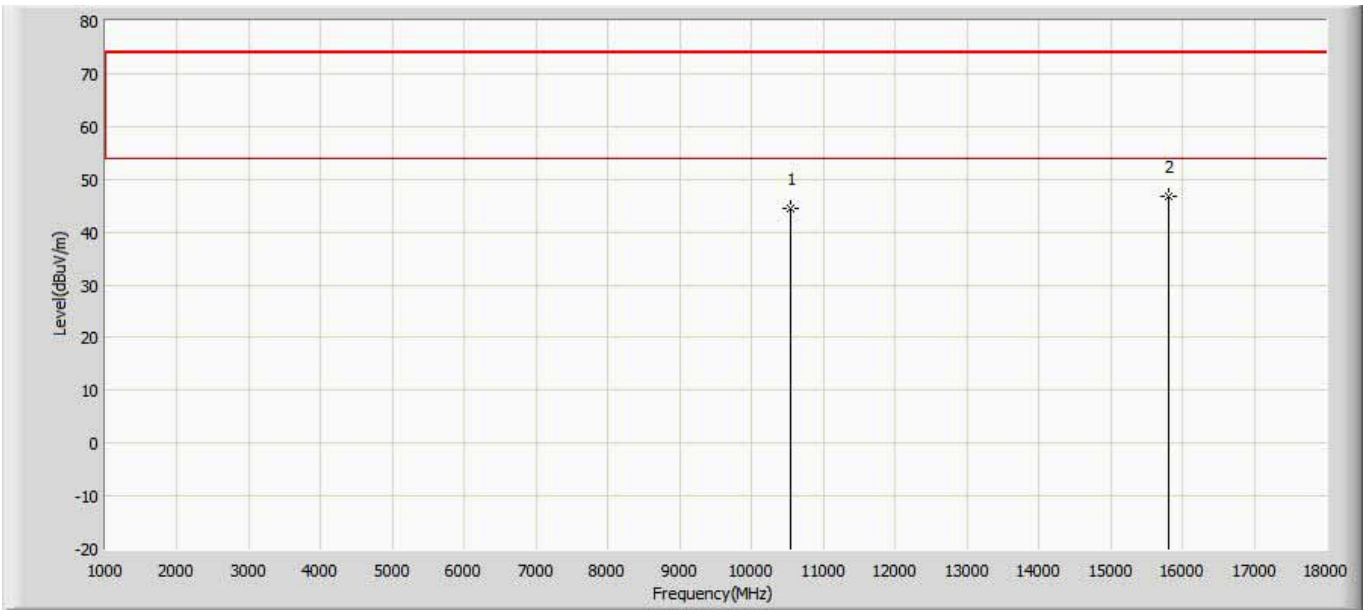
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.946	45.366	-29.054	74.000	-0.420	PK
2	*	15690.000	48.144	43.754	-25.856	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5230MHz by 802.11n40	



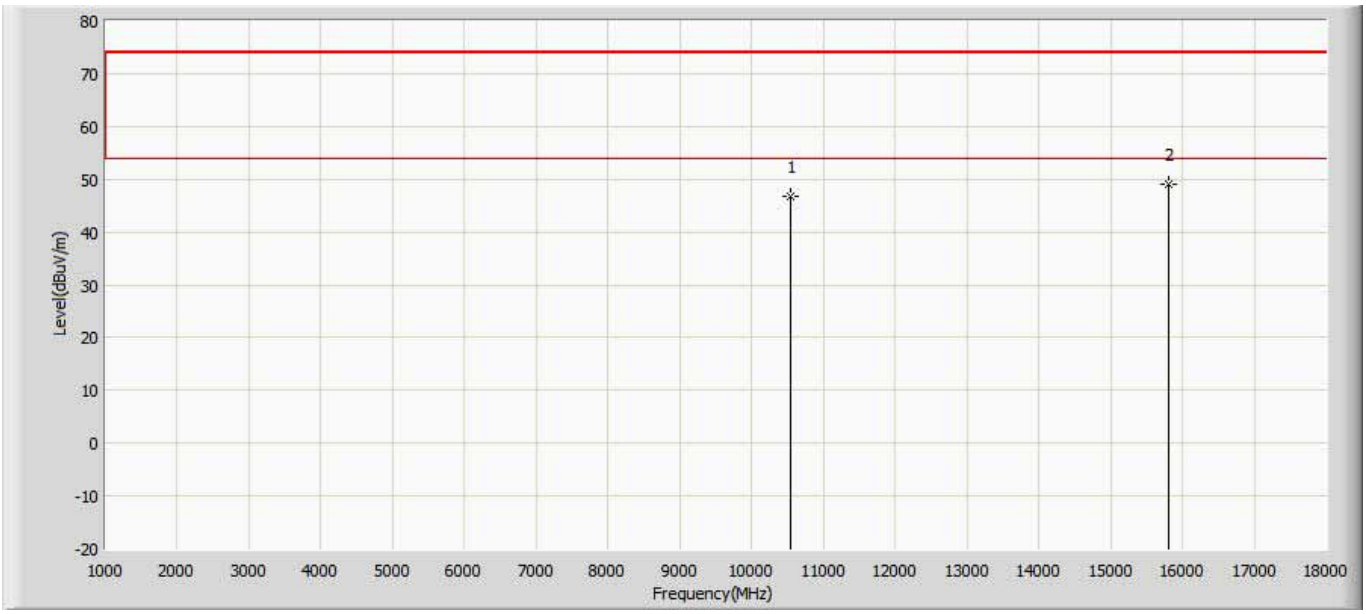
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	46.284	46.704	-27.716	74.000	-0.420	PK
2	*	15690.000	50.297	45.907	-23.703	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5270MHz by 802.11n40	



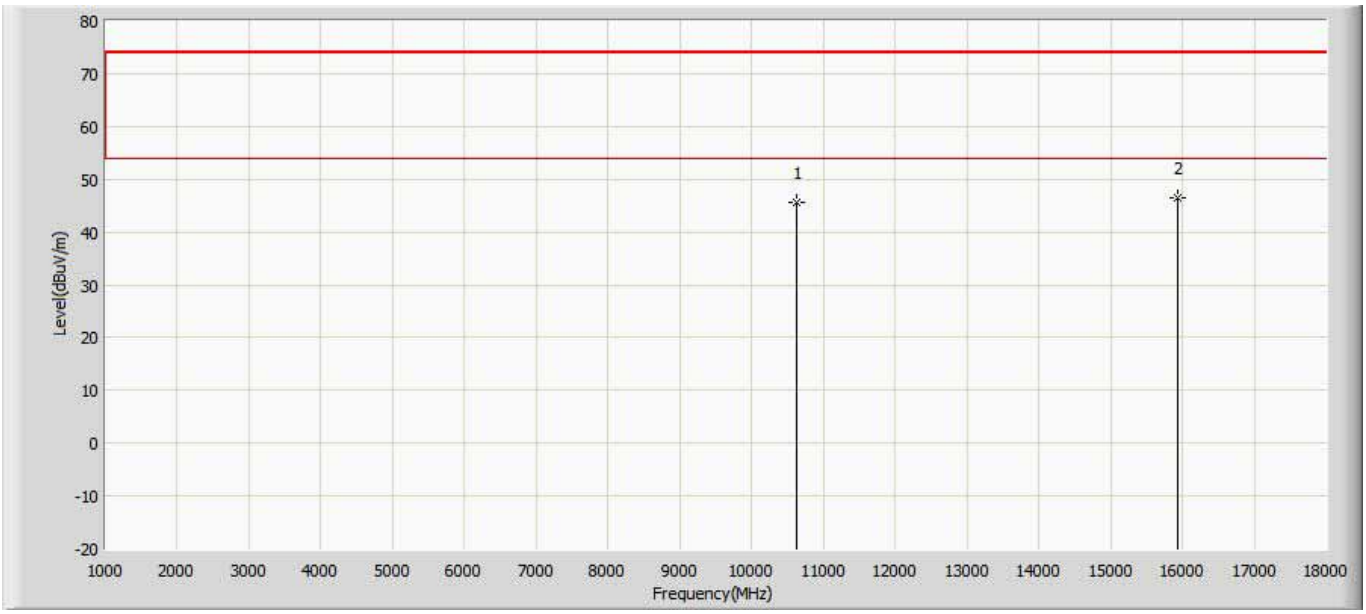
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	44.558	44.978	-29.442	74.000	-0.420	PK
2	*	15810.000	46.758	42.368	-27.242	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5270MHz by 802.11n40	



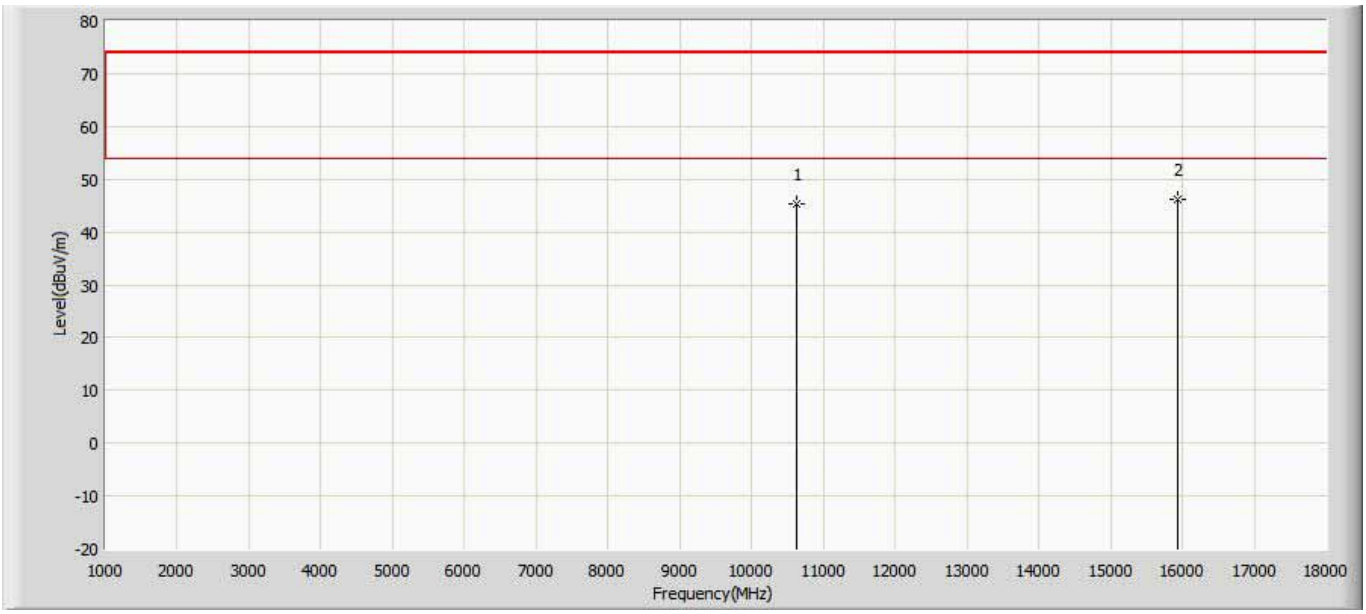
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	46.865	47.285	-27.135	74.000	-0.420	PK
2	*	15810.000	49.176	44.786	-24.824	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5310MHz by 802.11n40	



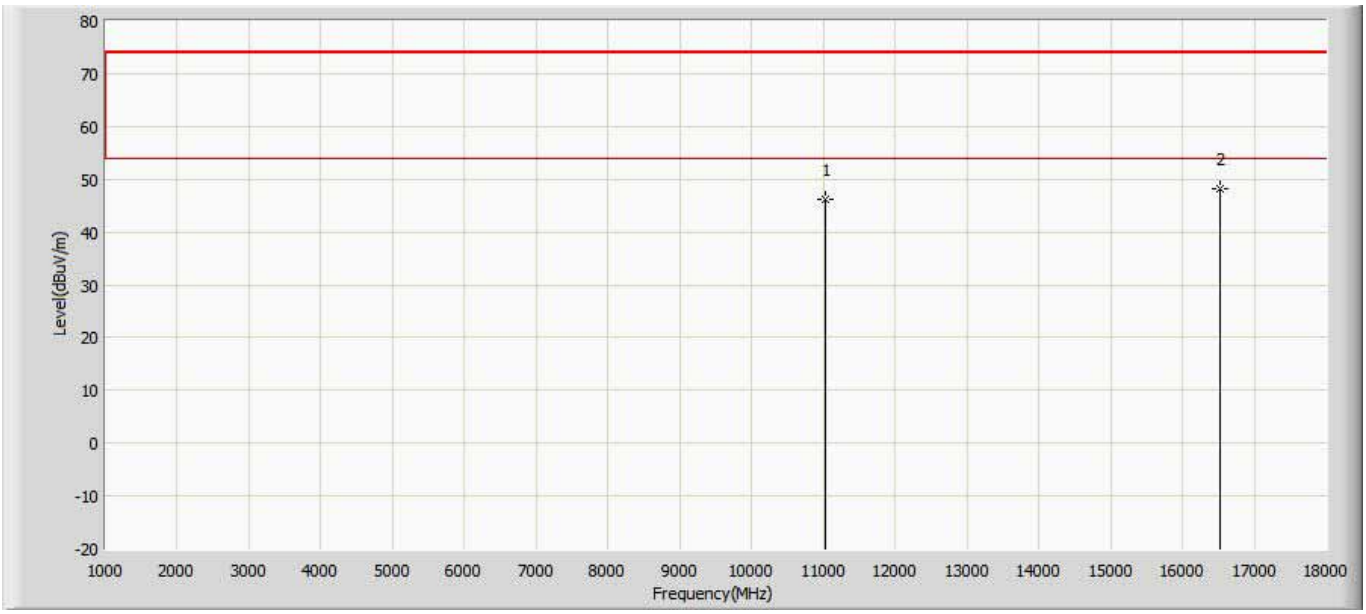
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	45.701	46.121	-28.299	74.000	-0.420	PK
2	*	15930.000	46.599	42.209	-27.401	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5310MHz by 802.11n40	



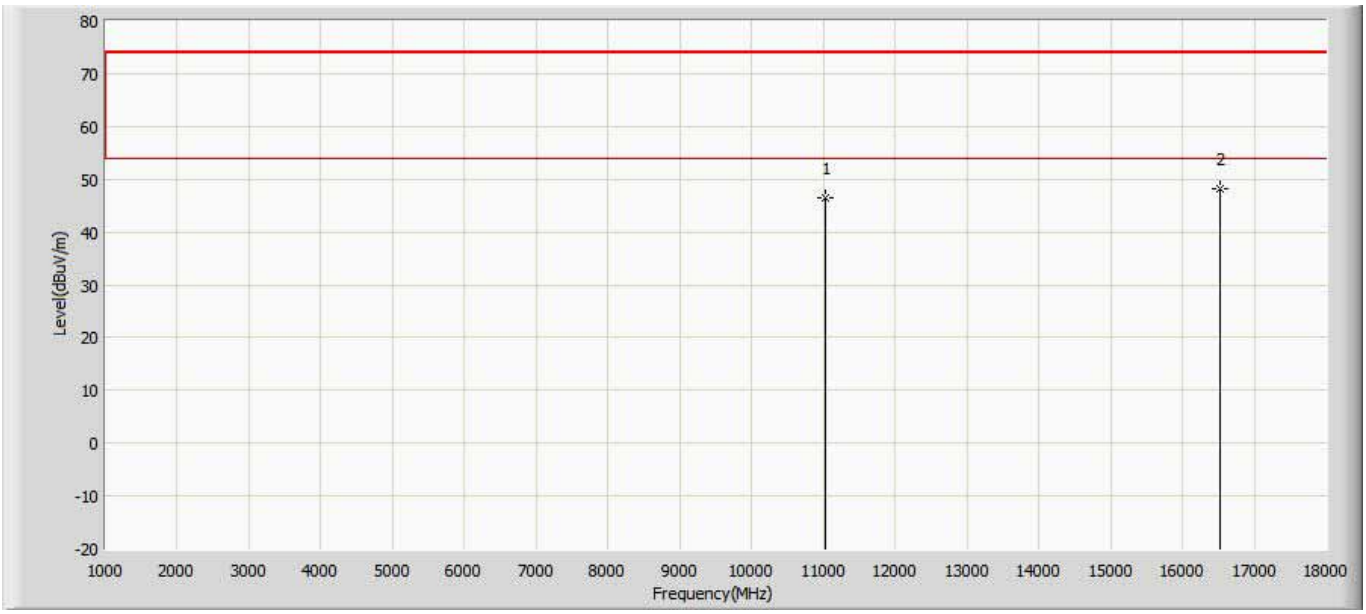
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	45.347	45.767	-28.653	74.000	-0.420	PK
2	*	15930.000	46.256	41.866	-27.744	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5510MHz by 802.11n40	



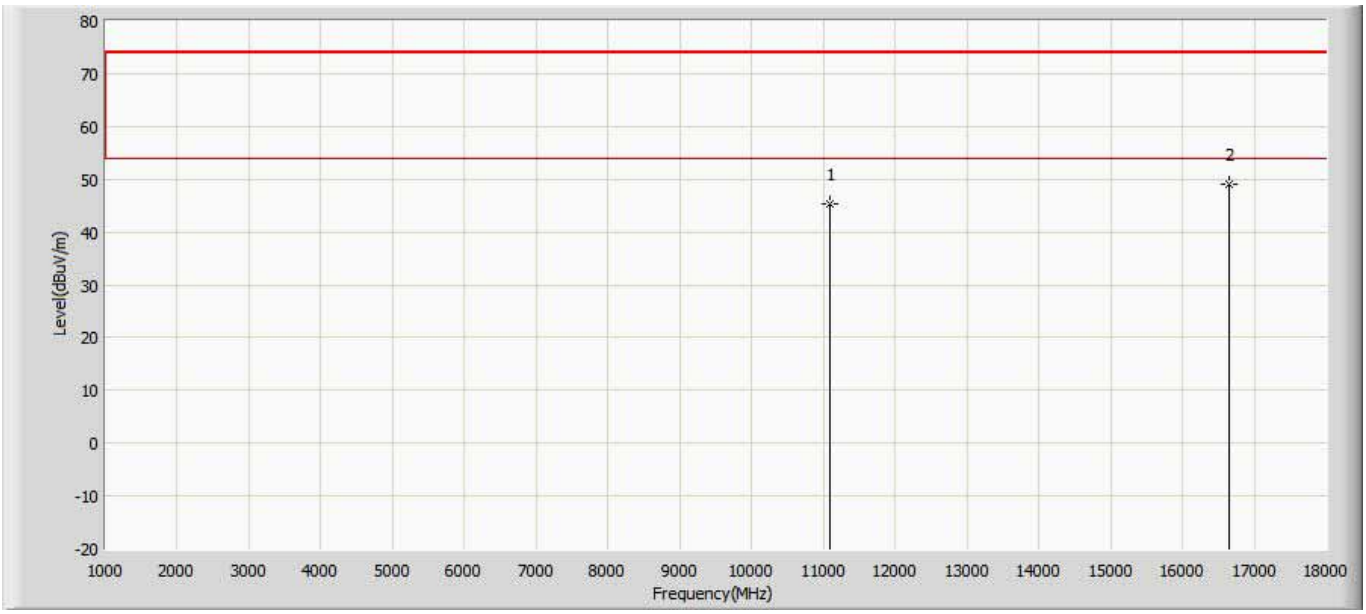
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	46.284	46.164	-27.716	74.000	0.120	PK
2	*	16530.000	48.194	42.954	-25.806	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5510MHz by 802.11n40	



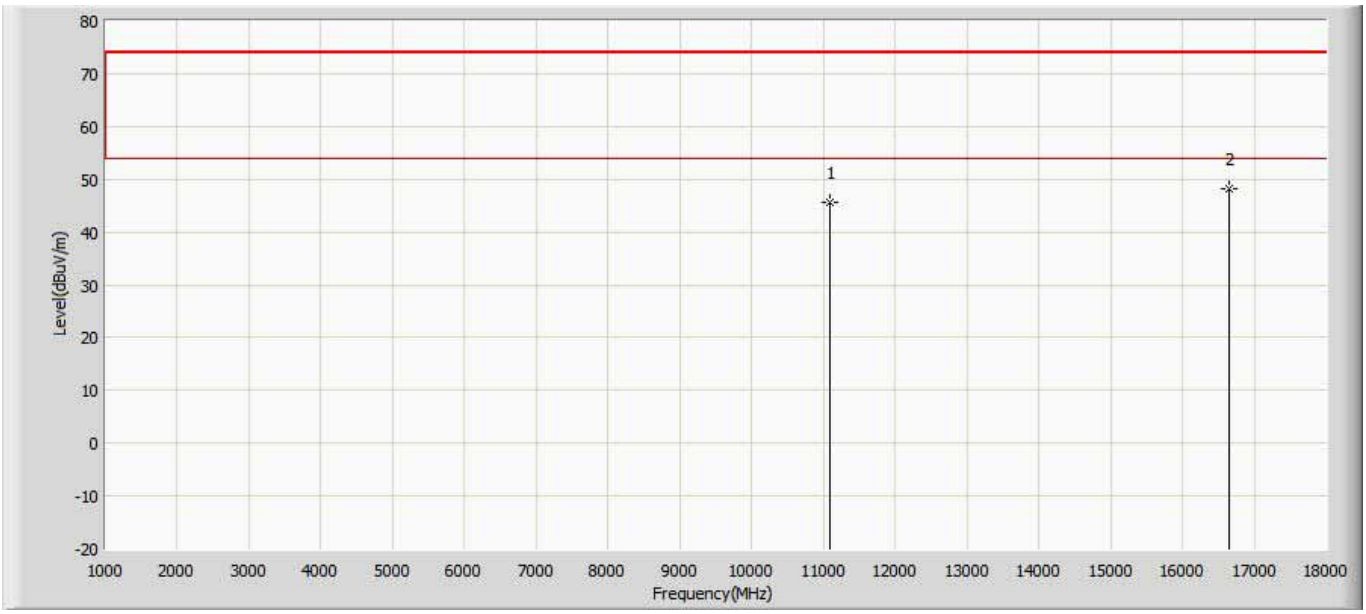
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	46.544	46.424	-27.456	74.000	0.120	PK
2	*	16530.000	48.328	43.088	-25.672	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5550MHz by 802.11n40	



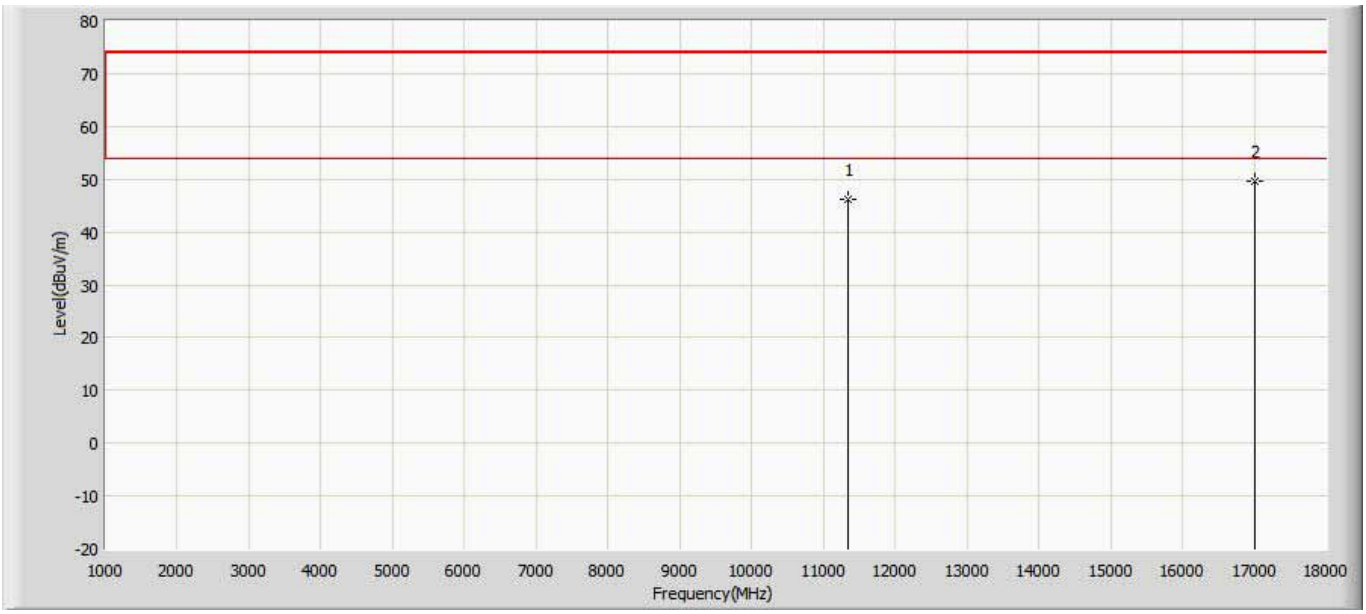
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	45.313	45.193	-28.687	74.000	0.120	PK
2	*	16650.000	48.920	43.530	-25.080	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5550MHz by 802.11n40	



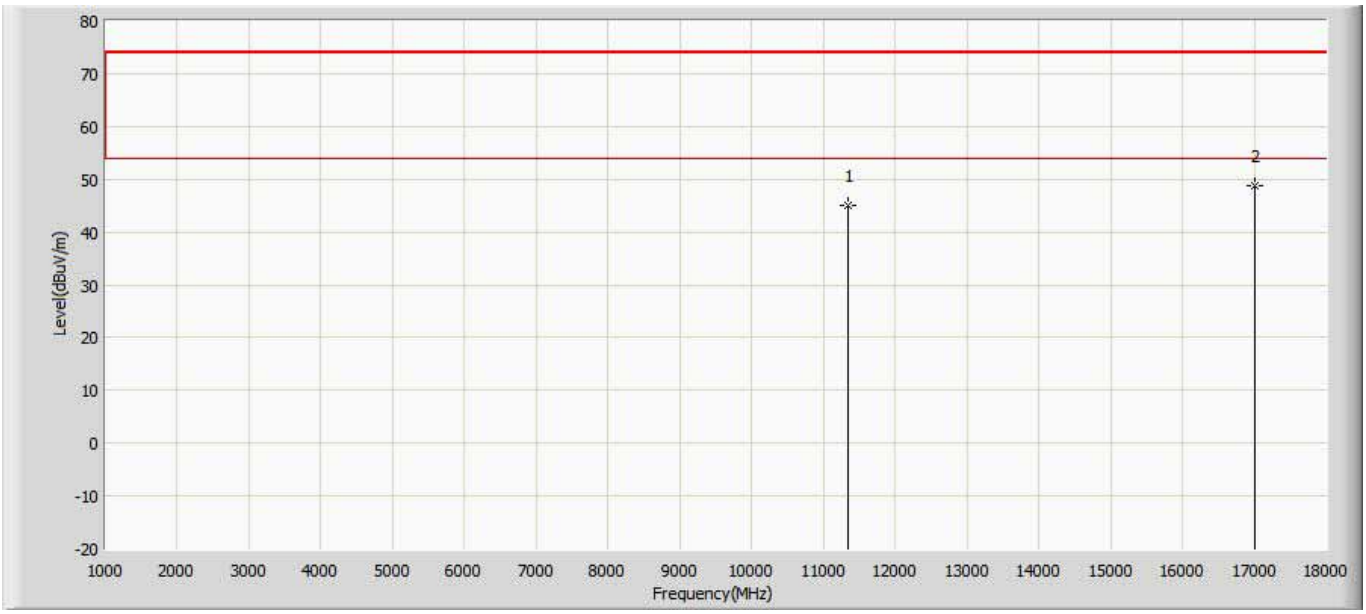
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	45.744	45.624	-28.256	74.000	0.120	PK
2	*	16650.000	48.297	42.907	-25.703	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5670MHz by 802.11n40	



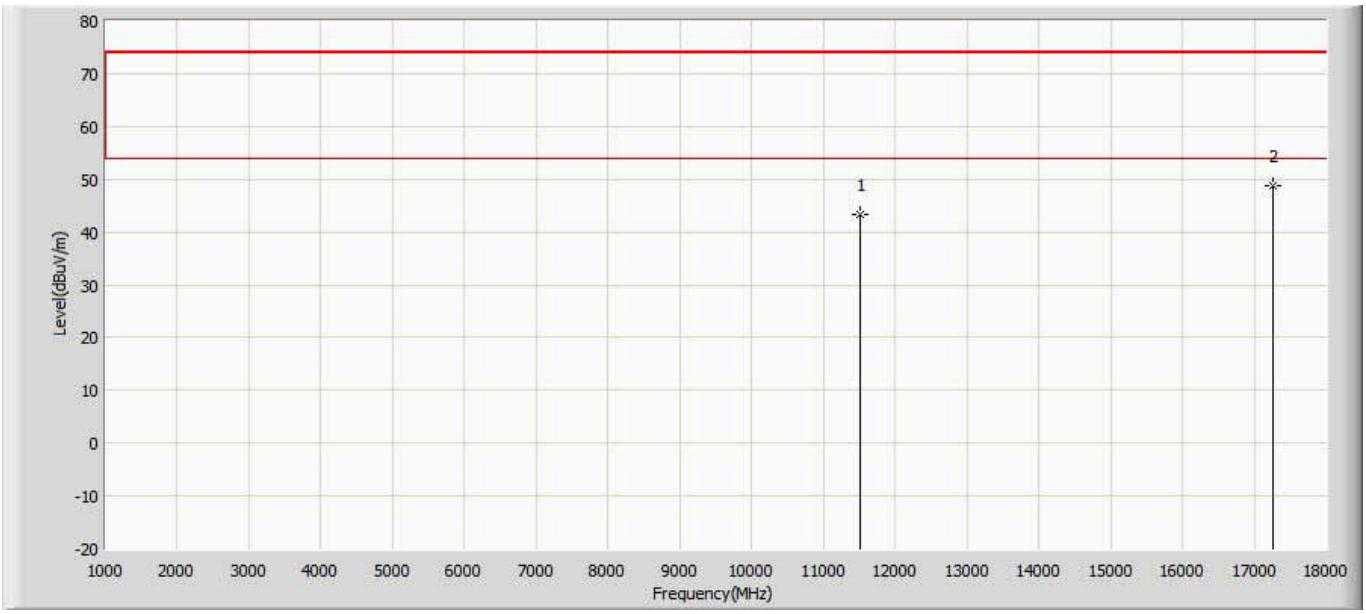
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	46.177	46.318	-27.823	74.000	-0.141	PK
2	*	17010.000	49.632	44.242	-24.368	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5670MHz by 802.11n40	



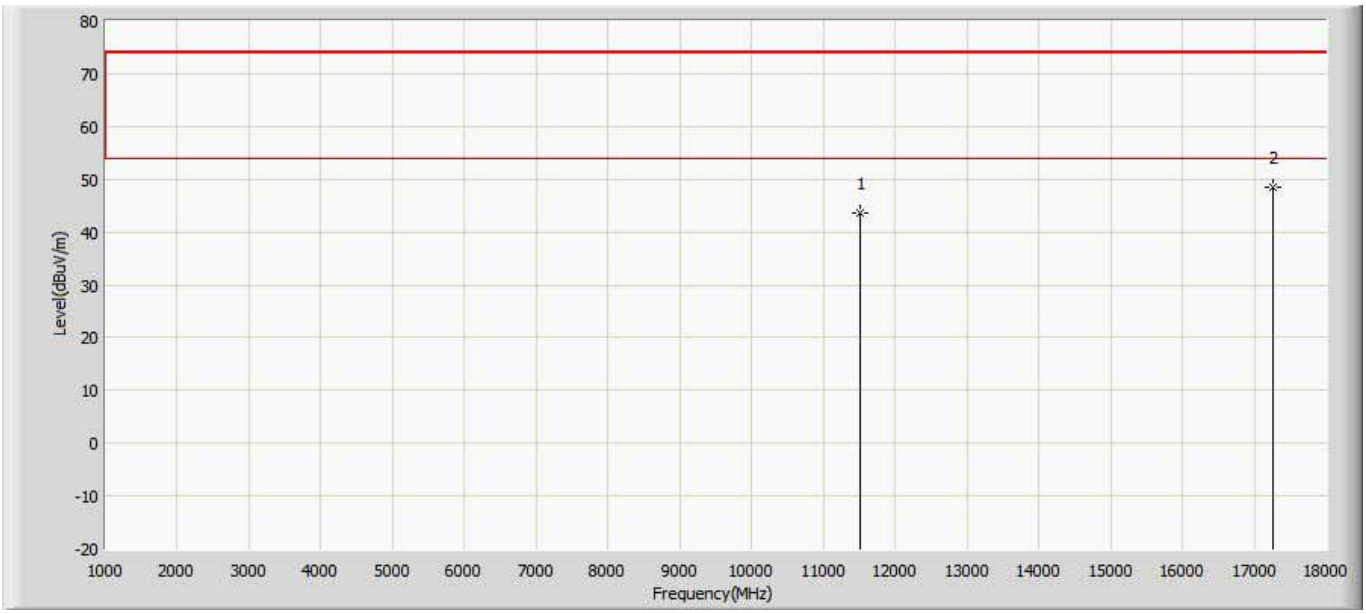
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	45.119	45.260	-28.881	74.000	-0.141	PK
2	*	17010.000	48.707	43.317	-25.293	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz by 802.11n40	



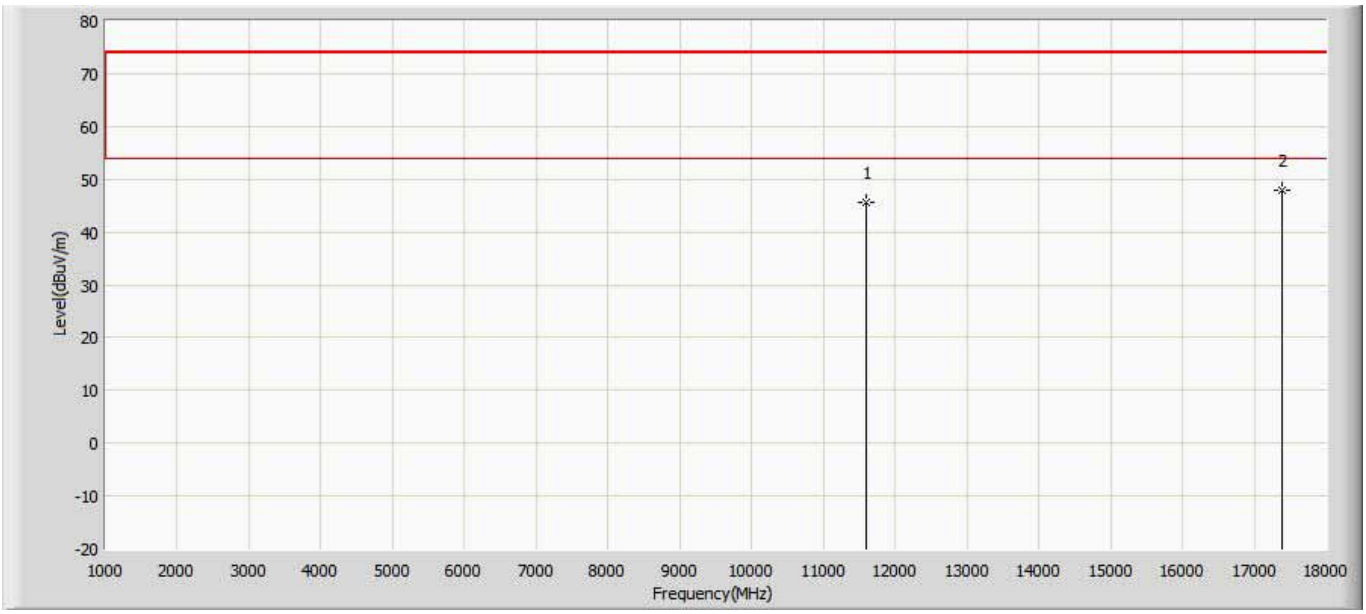
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	43.381	44.371	-30.619	74.000	-0.990	PK
2	*	17265.000	48.883	43.583	-25.117	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5755MHz by 802.11n40	



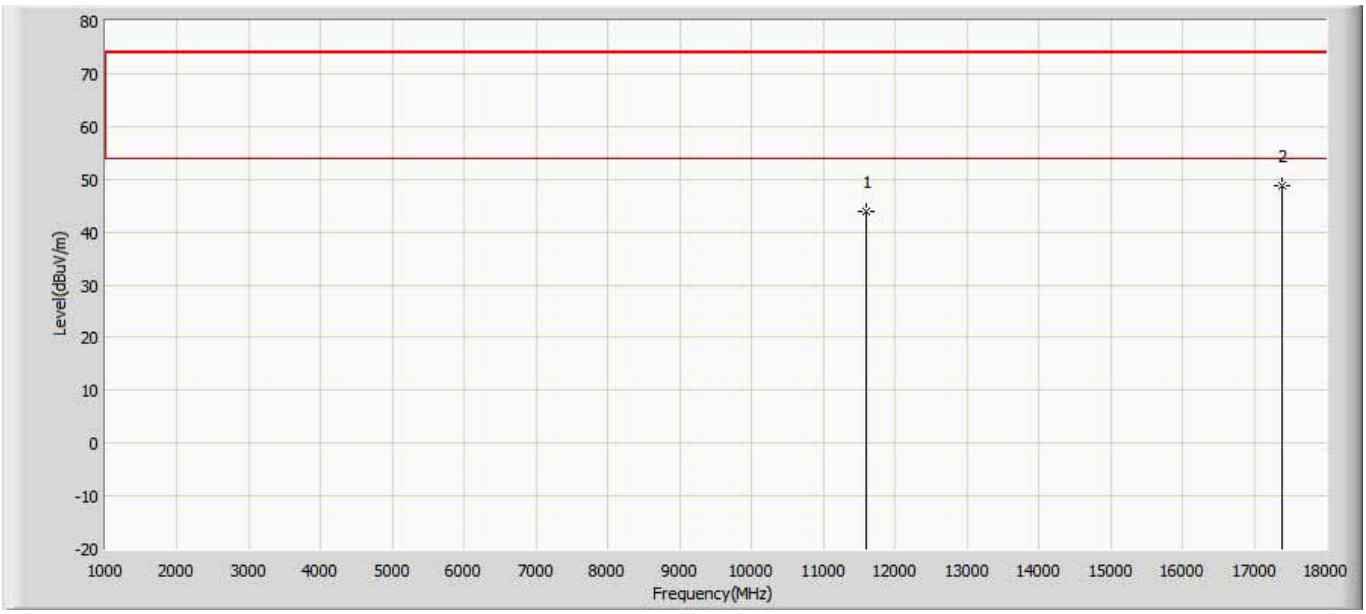
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	43.707	44.697	-30.293	74.000	-0.990	PK
2	*	17265.000	48.494	43.194	-25.506	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 802.11n40	



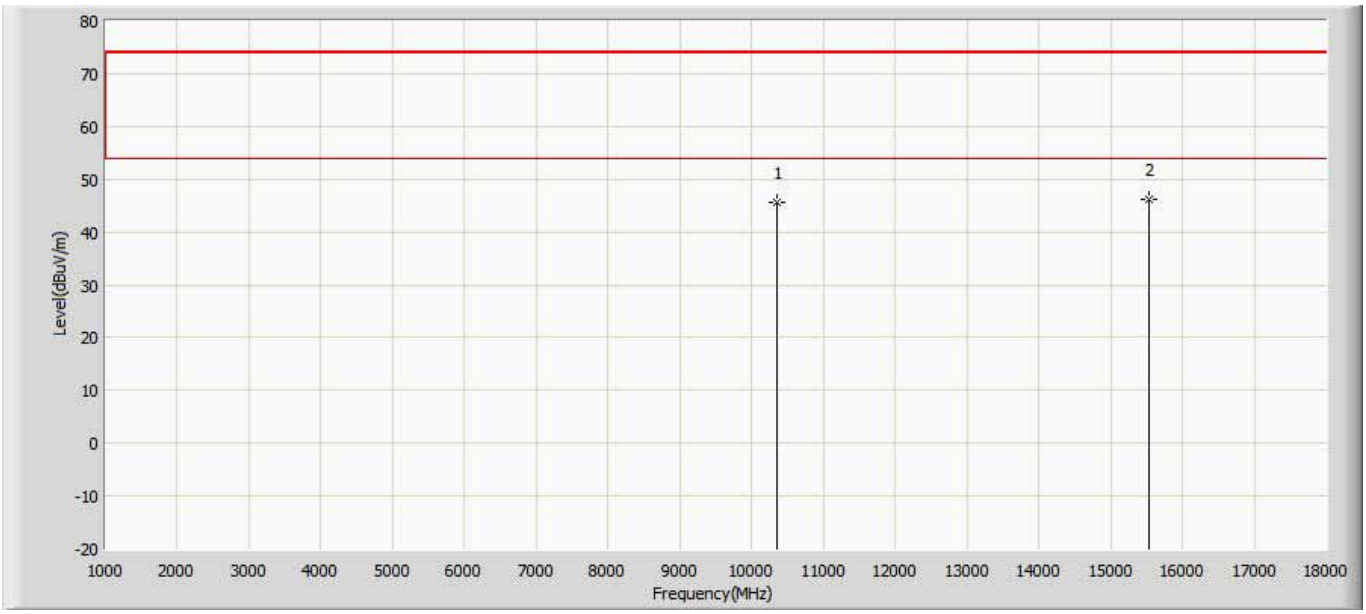
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	45.619	46.609	-28.381	74.000	-0.990	PK
2	*	17385.000	47.959	42.659	-26.041	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 3:Transmit at 5795MHz by 802.11n40	



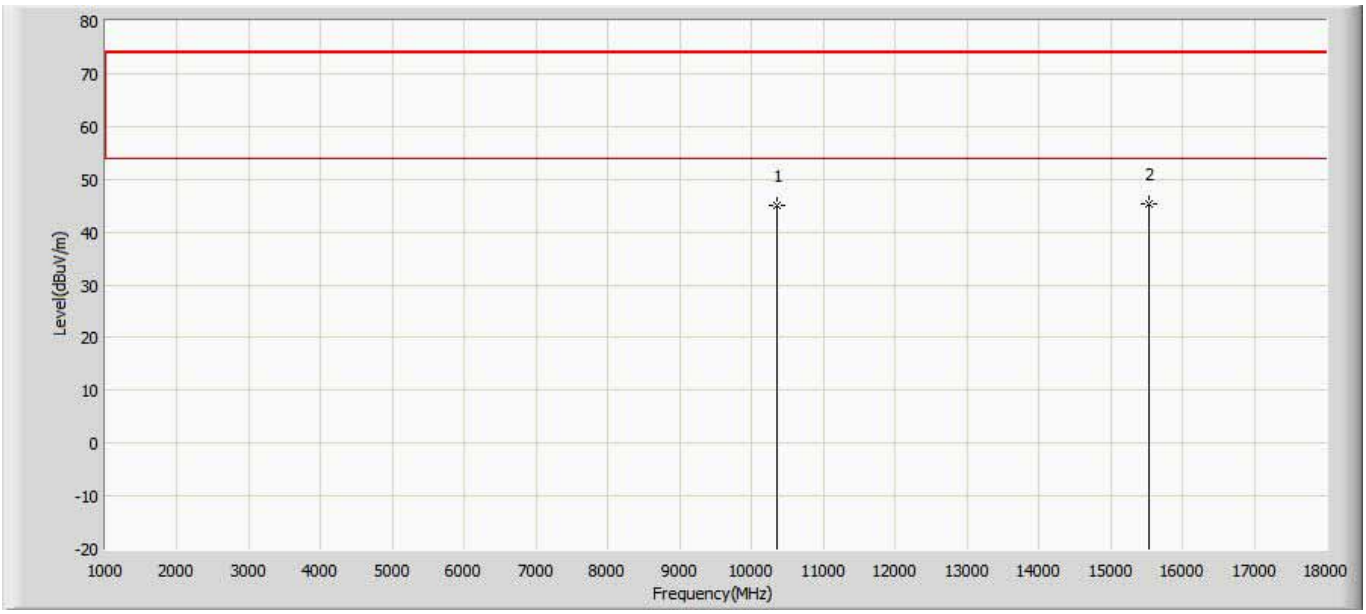
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.997	44.987	-30.003	74.000	-0.990	PK
2	*	17385.000	48.825	43.525	-25.175	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



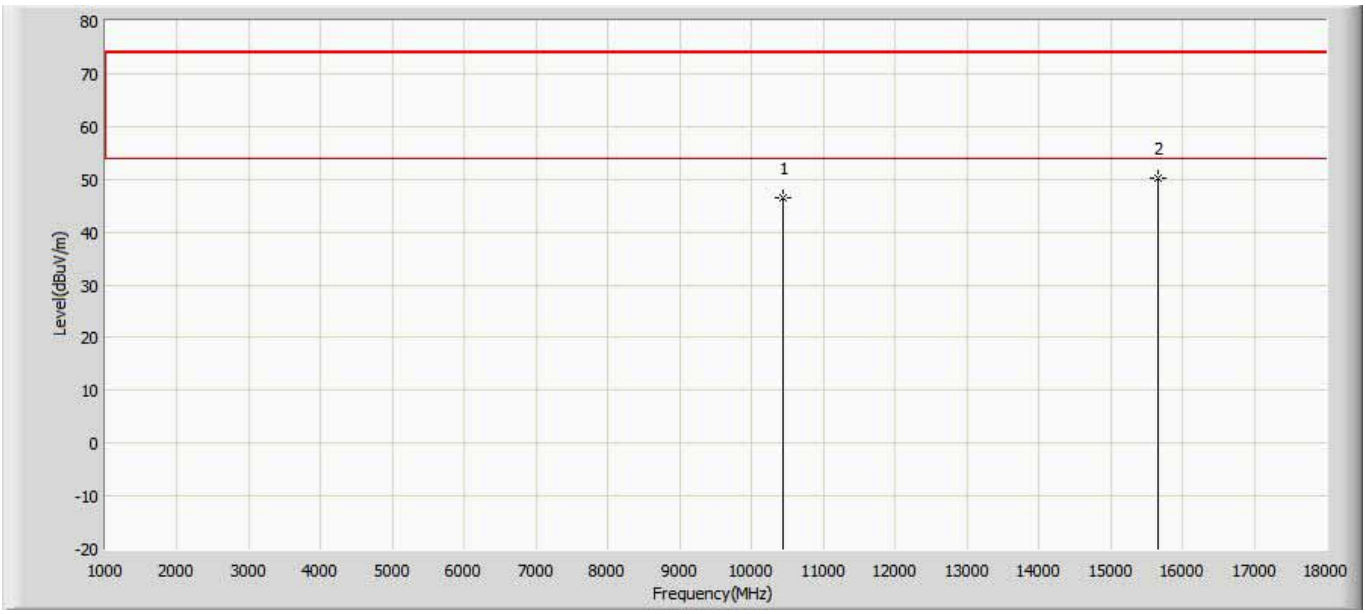
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.502	46.556	-28.498	74.000	-1.054	PK
2	*	15540.000	46.078	43.698	-27.922	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5180MHz by 802.11ac20	



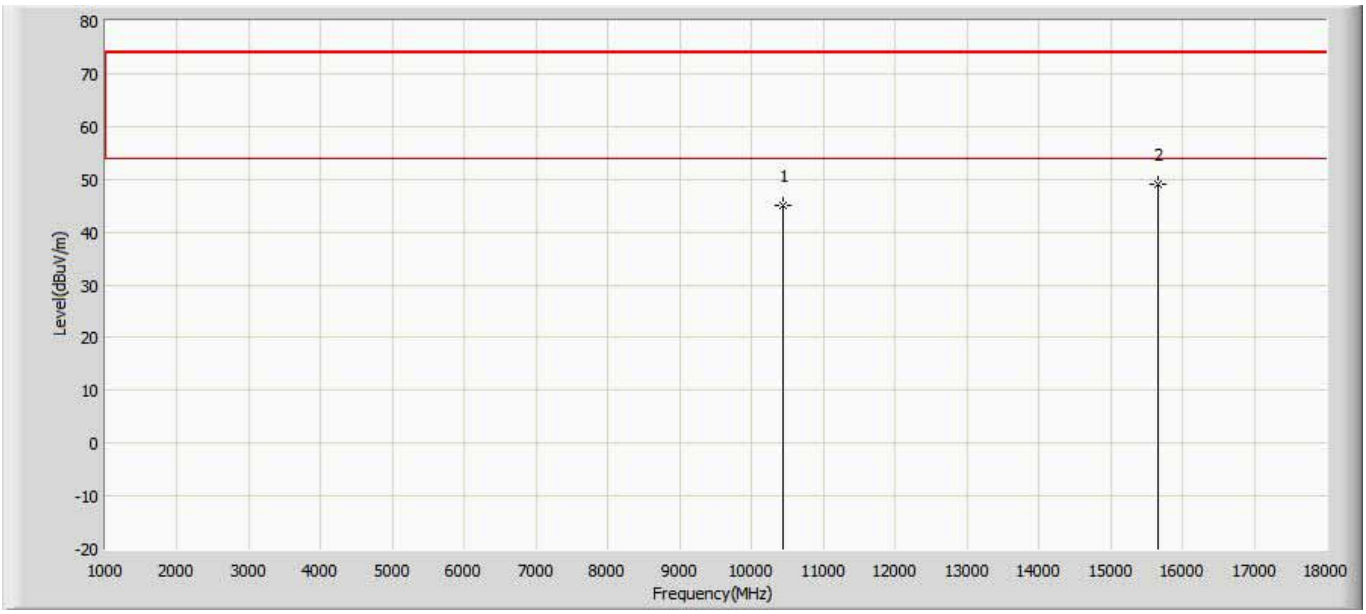
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	45.157	46.211	-28.843	74.000	-1.054	PK
2	*	15540.000	45.330	42.950	-28.670	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



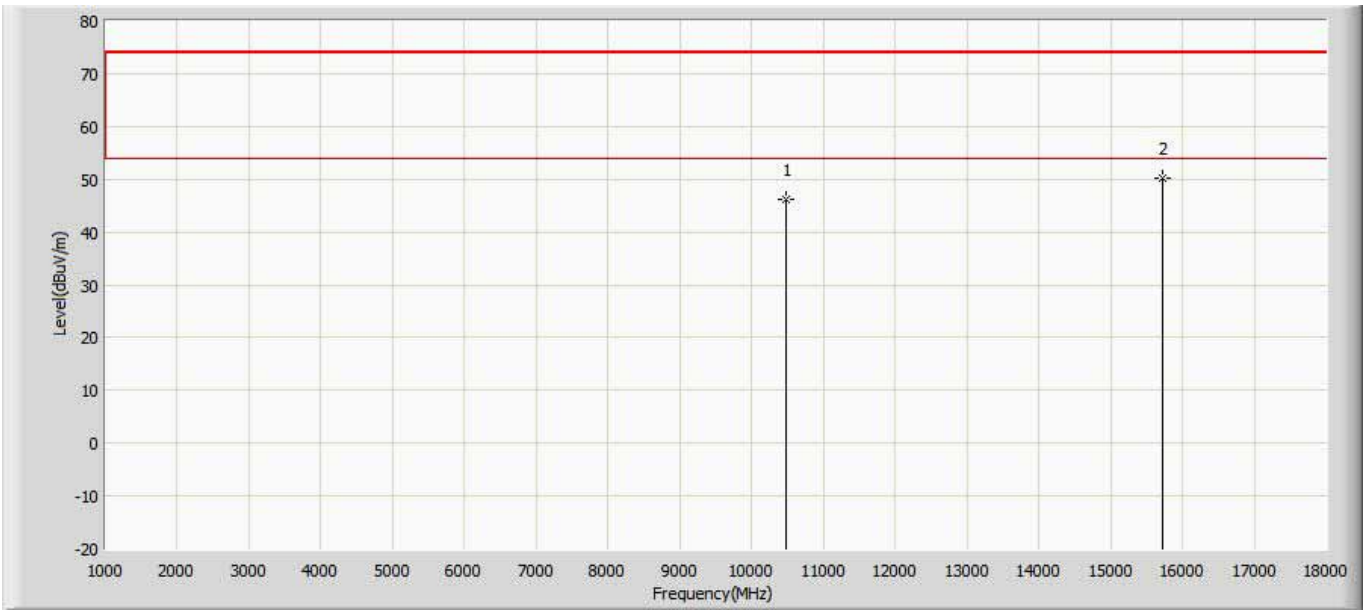
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	46.395	46.815	-27.605	74.000	-0.420	PK
2	*	15660.000	50.091	45.701	-23.909	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5220MHz by 802.11ac20	



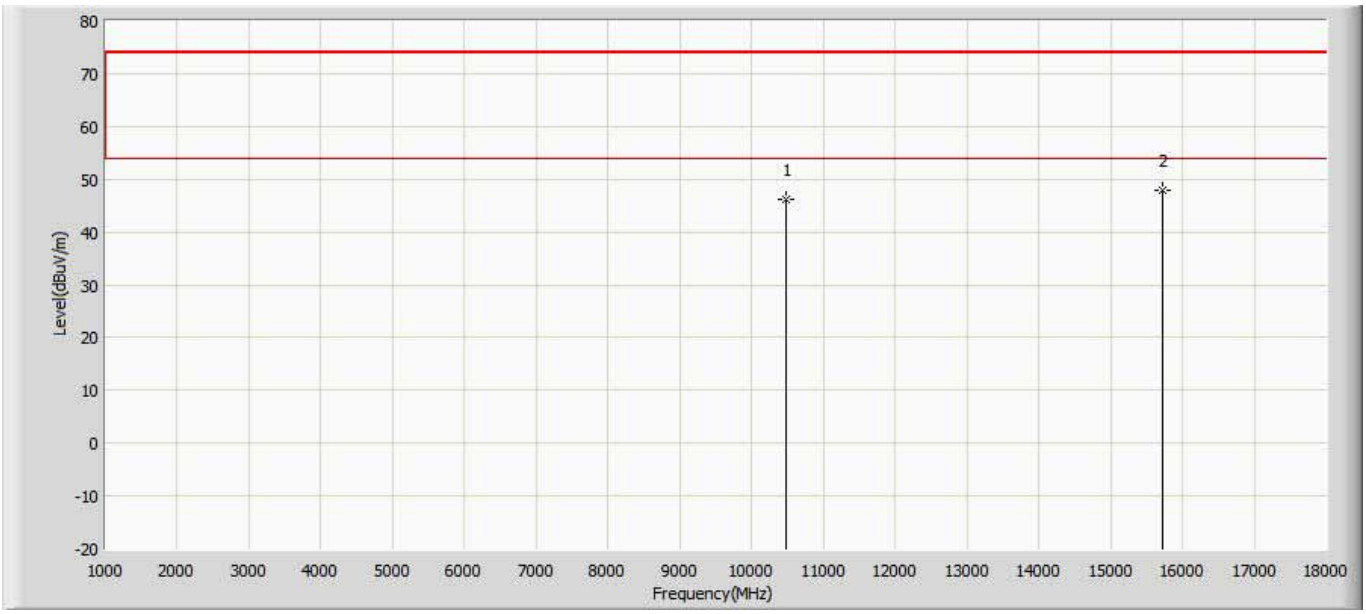
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	45.070	45.490	-28.930	74.000	-0.420	PK
2	*	15660.000	49.057	44.667	-24.943	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



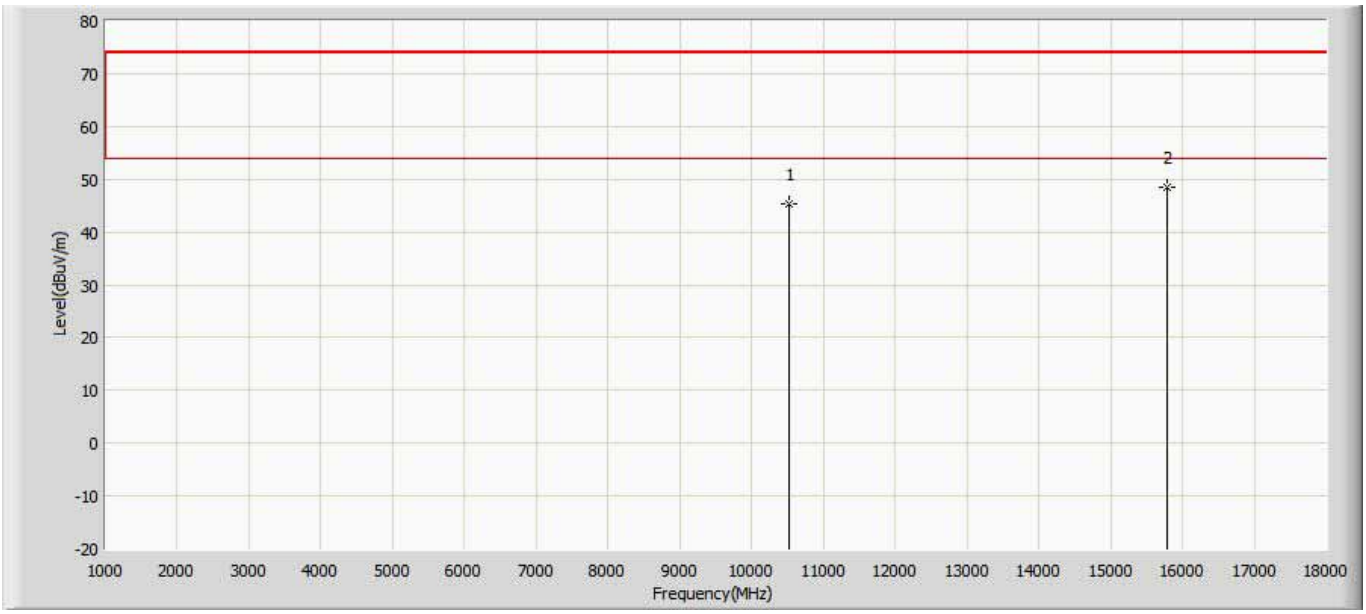
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.182	46.602	-27.818	74.000	-0.420	PK
2	*	15720.000	50.182	45.792	-23.818	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5240MHz by 802.11ac20	



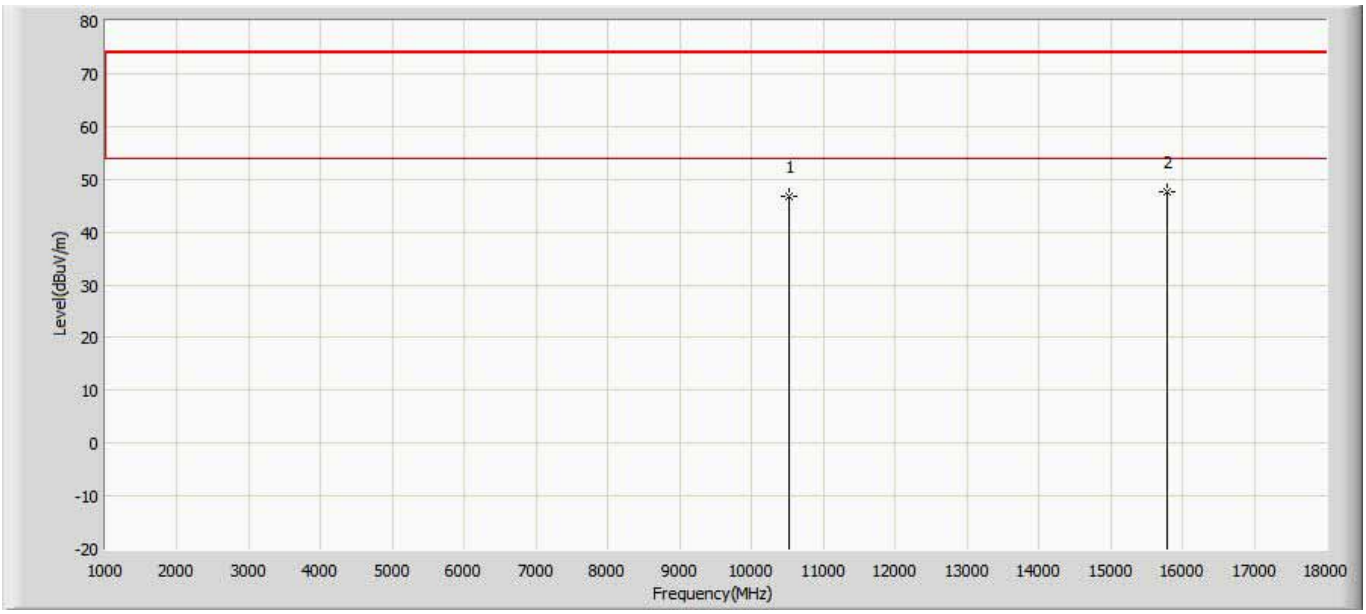
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	46.295	46.715	-27.705	74.000	-0.420	PK
2	*	15720.000	47.767	43.377	-26.233	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5260MHz by 802.11ac20	



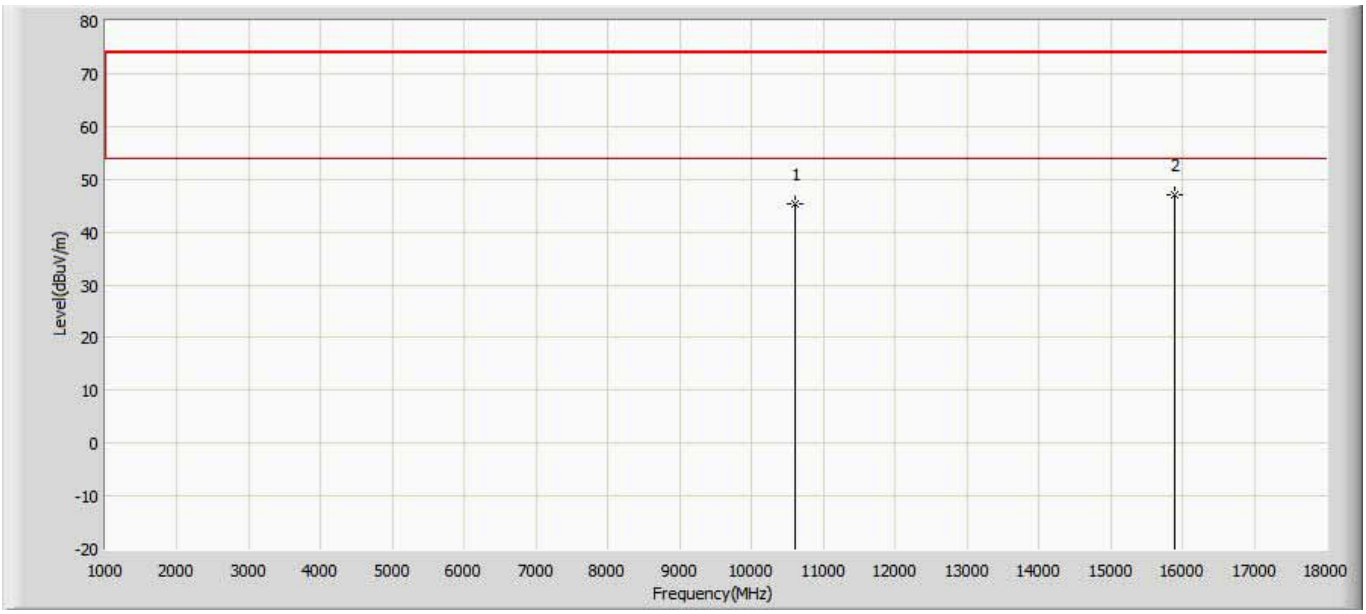
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	45.283	45.703	-28.717	74.000	-0.420	PK
2	*	15780.000	48.435	44.045	-25.565	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5260MHz by 802.11ac20	



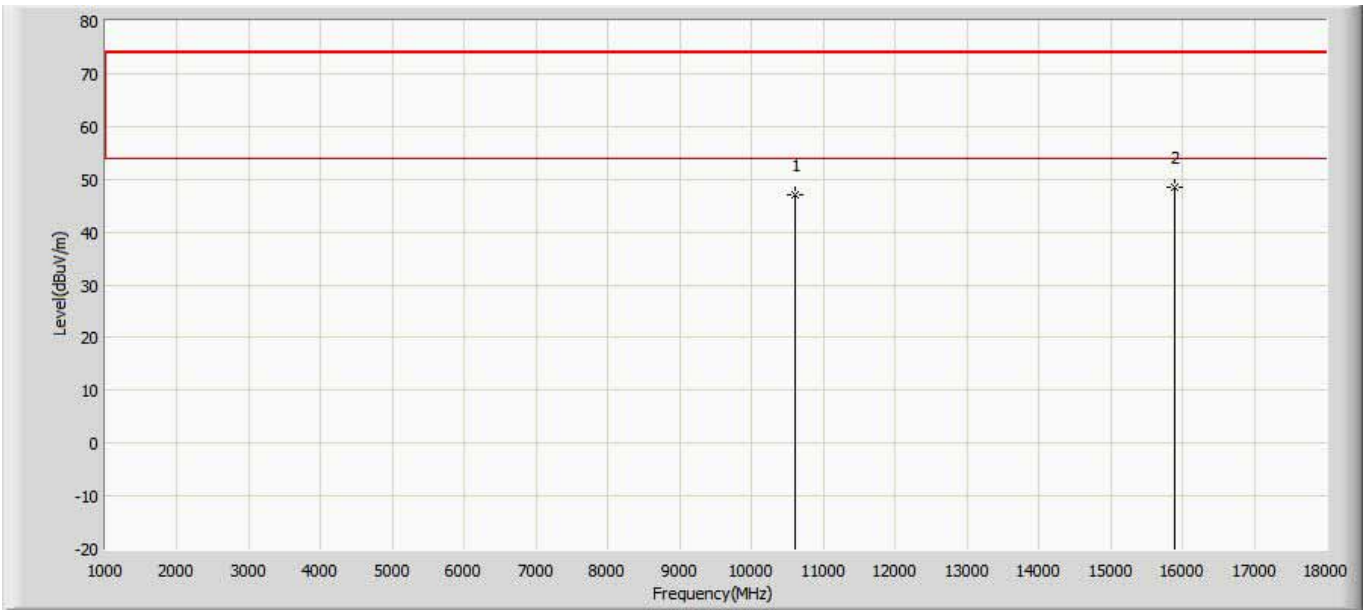
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	46.838	47.258	-27.162	74.000	-0.420	PK
2	*	15780.000	47.658	43.268	-26.342	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5300MHz by 802.11ac20	



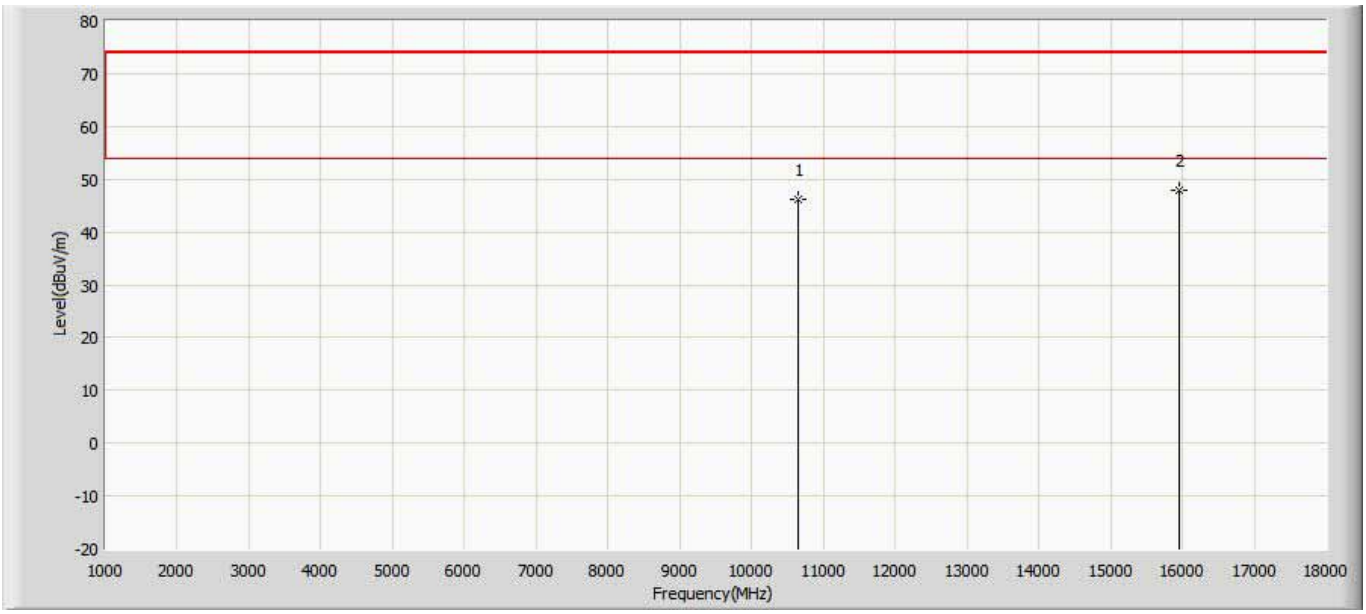
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	45.225	45.645	-28.775	74.000	-0.420	PK
2	*	15900.000	47.076	42.686	-26.924	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5300MHz by 802.11ac20	



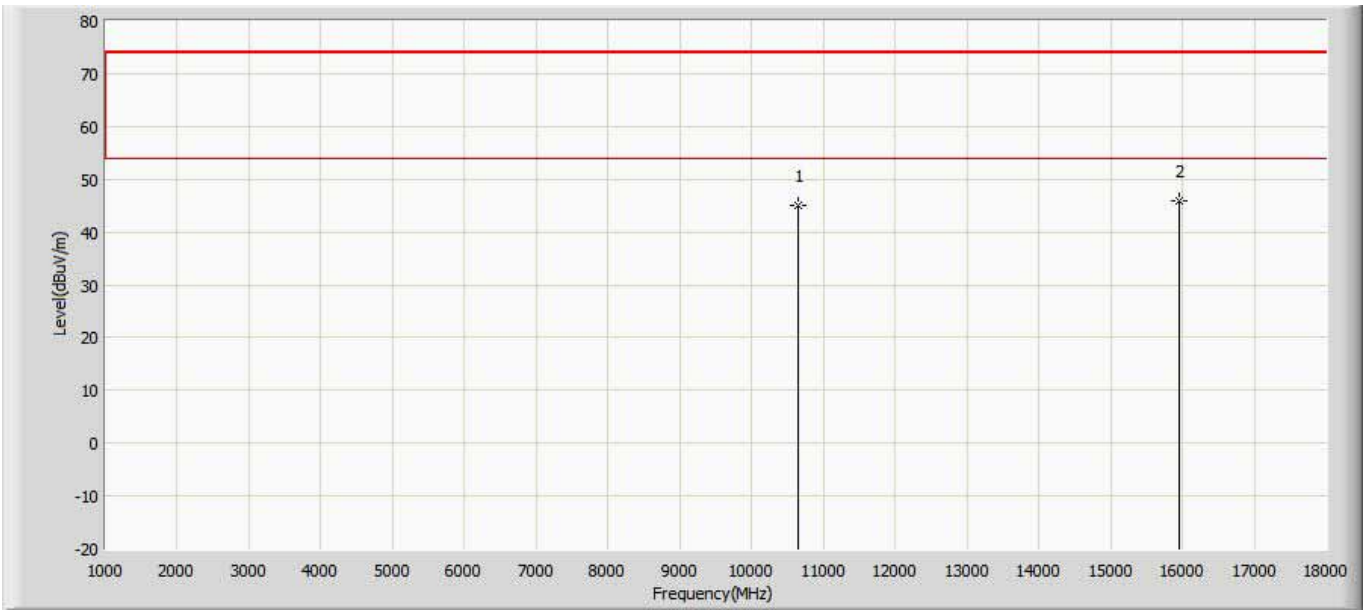
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	47.108	47.528	-26.892	74.000	-0.420	PK
2	*	15900.000	48.348	43.958	-25.652	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5320MHz by 802.11ac20	



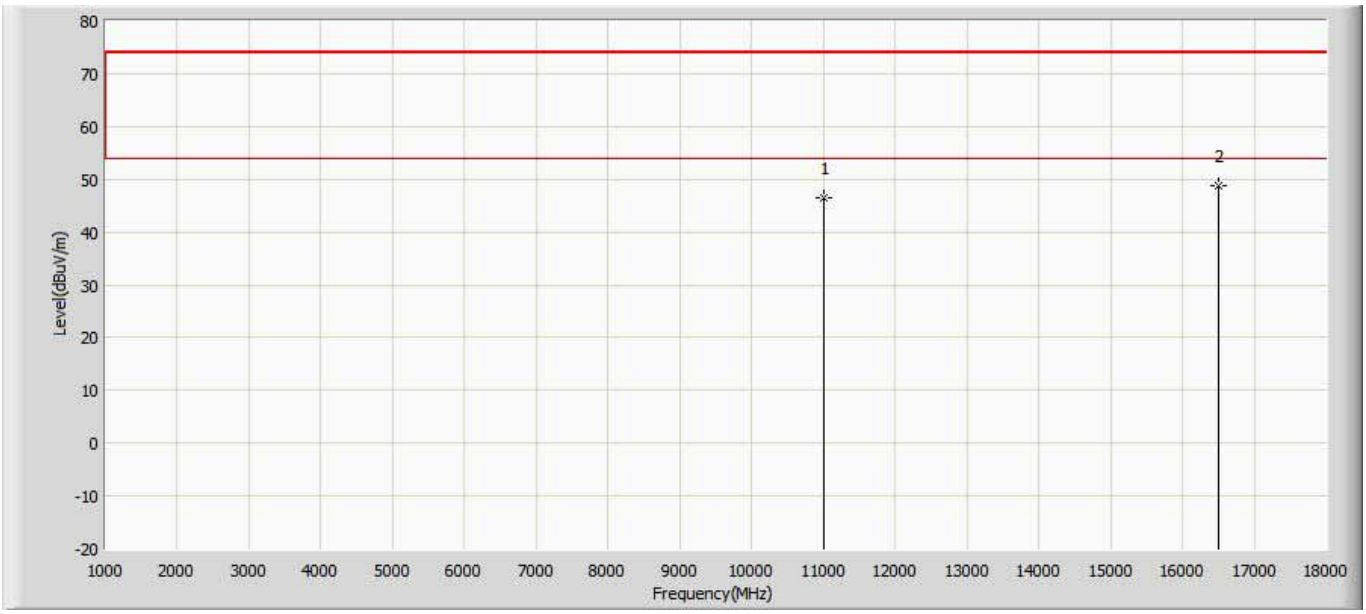
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	46.242	46.662	-27.758	74.000	-0.420	PK
2	*	15960.000	47.799	43.409	-26.201	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5320MHz by 802.11ac20	



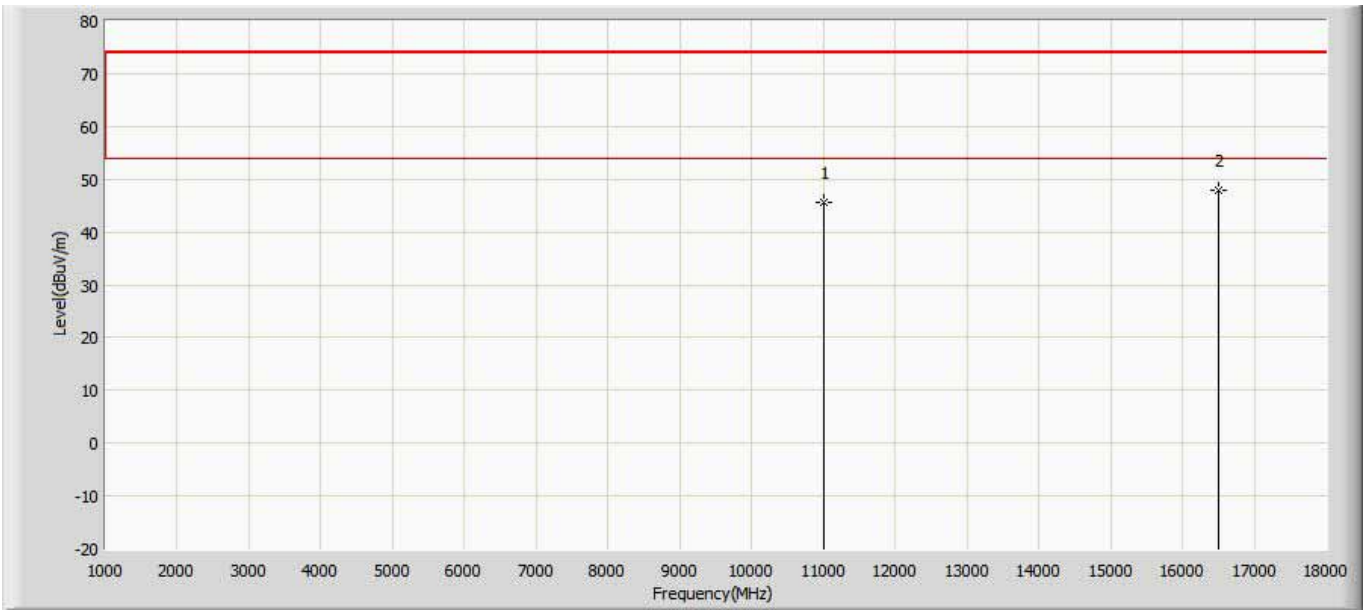
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	44.909	45.329	-29.091	74.000	-0.420	PK
2	*	15960.000	46.019	41.629	-27.981	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5500MHz by 802.11ac20	



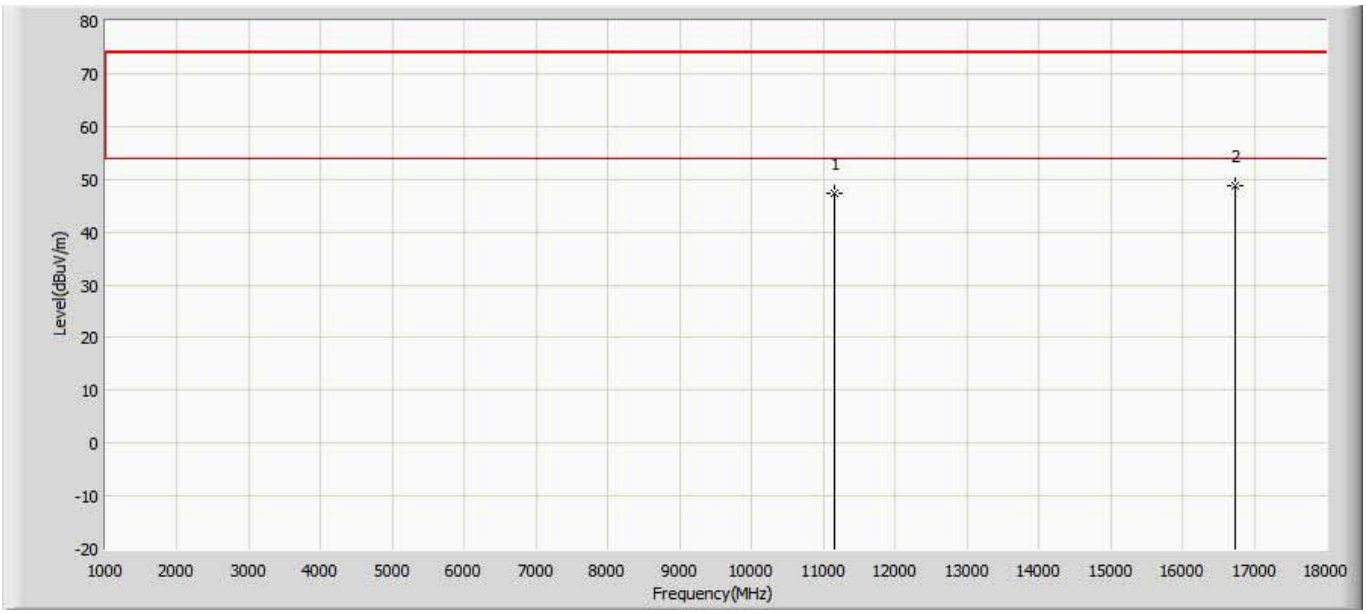
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	46.584	46.464	-27.416	74.000	0.120	PK
2	*	16500.000	48.886	43.646	-25.114	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5500MHz by 802.11ac20	



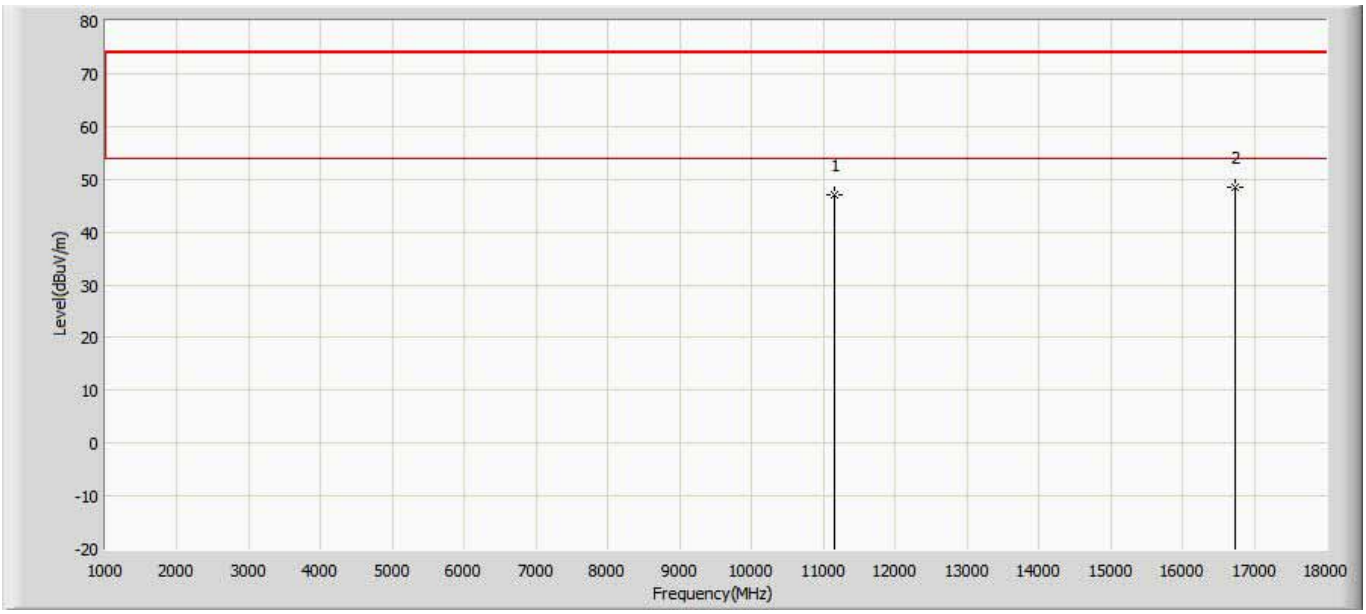
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	45.553	45.433	-28.447	74.000	0.120	PK
2	*	16500.000	47.869	42.629	-26.131	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5580MHz by 802.11ac20	



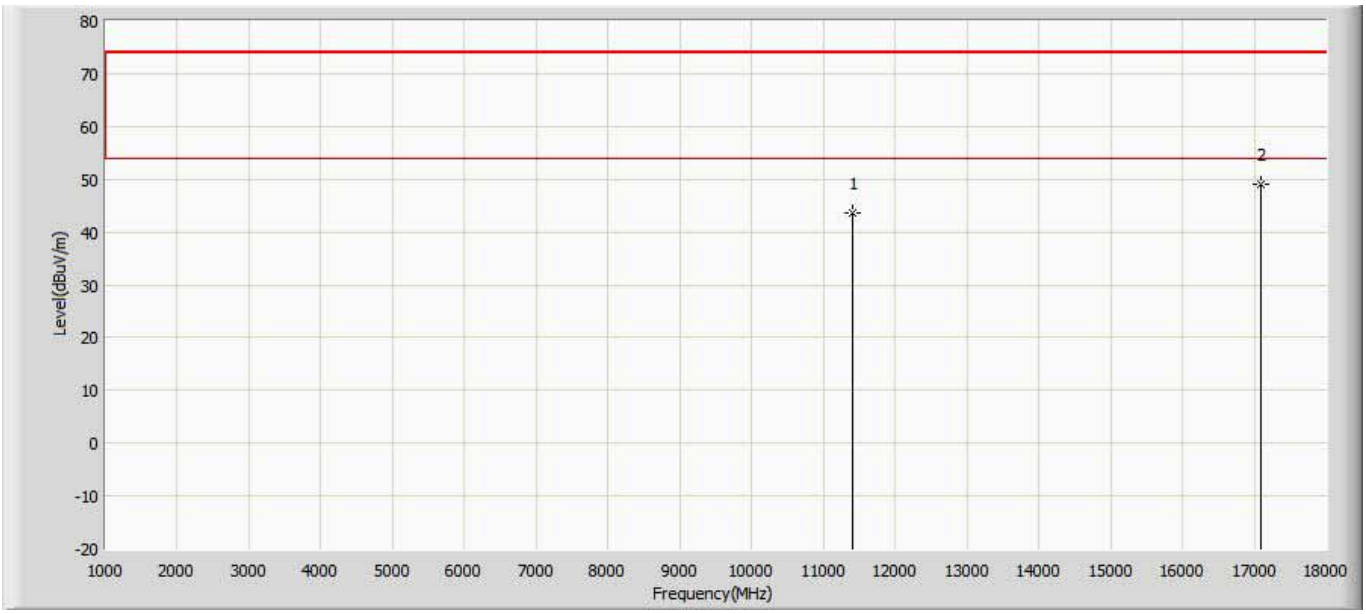
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	47.312	47.192	-26.688	74.000	0.120	PK
2	*	16740.000	48.723	43.333	-25.277	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5580MHz by 802.11ac20	



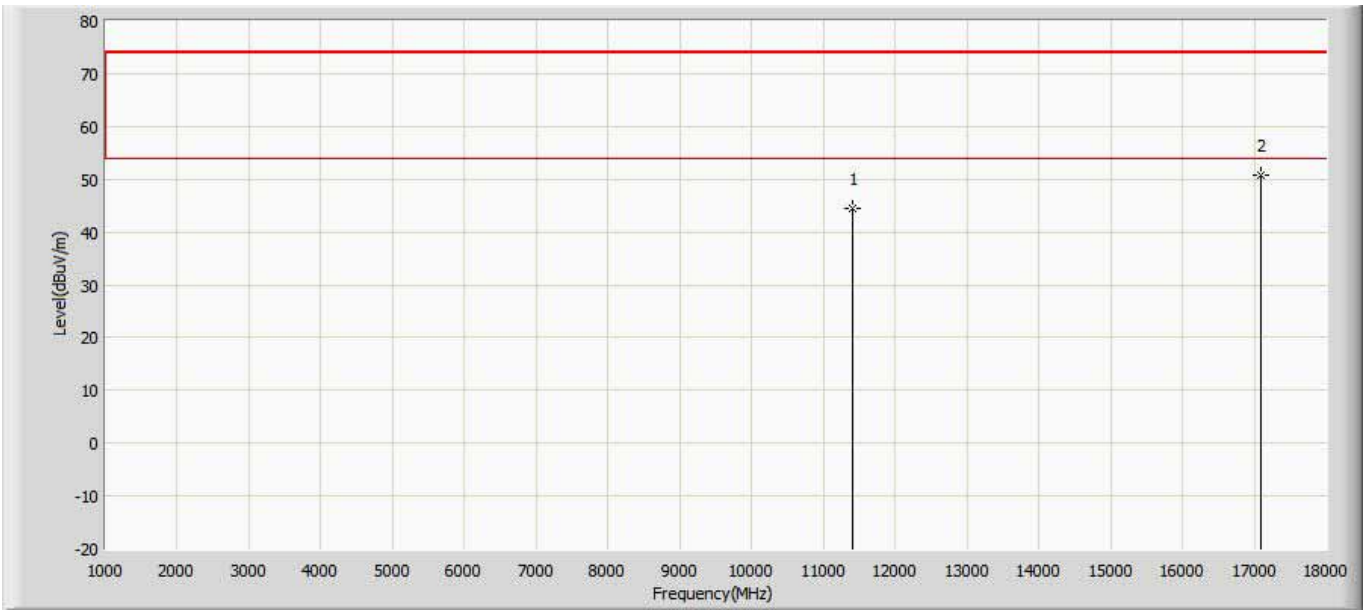
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	47.179	47.059	-26.821	74.000	0.120	PK
2	*	16740.000	48.591	43.201	-25.409	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5700MHz by 802.11ac20	



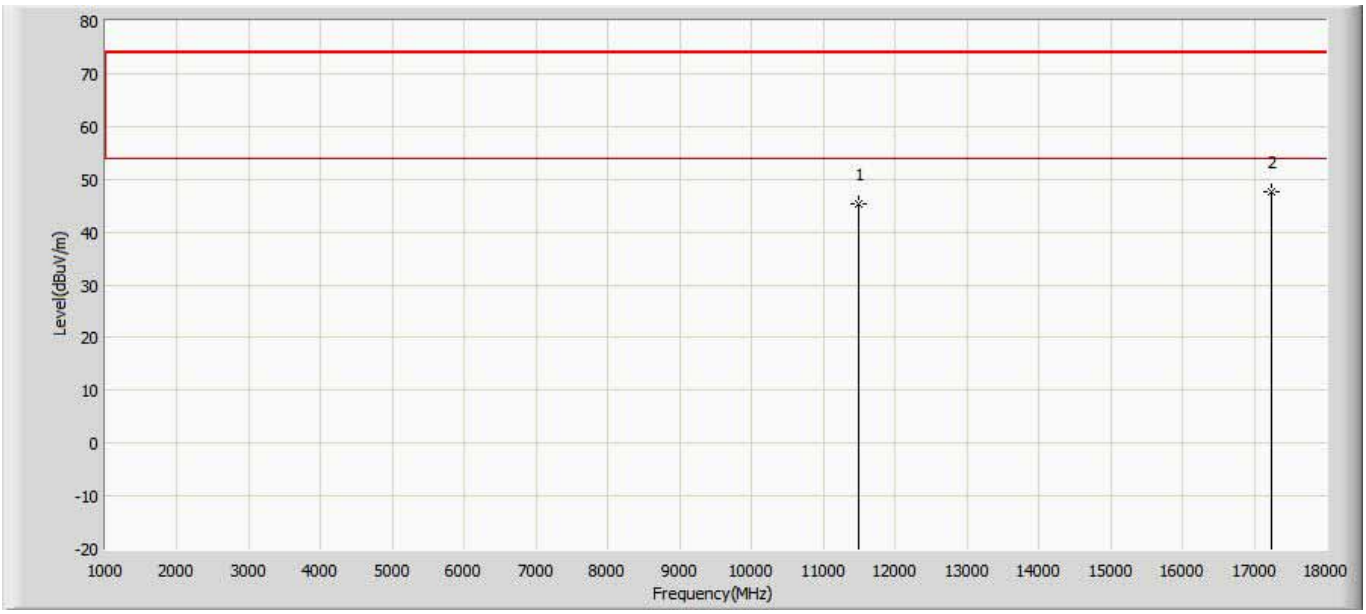
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	43.553	44.543	-30.447	74.000	-0.990	PK
2	*	17100.000	49.028	43.728	-24.972	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5700MHz by 802.11ac20	



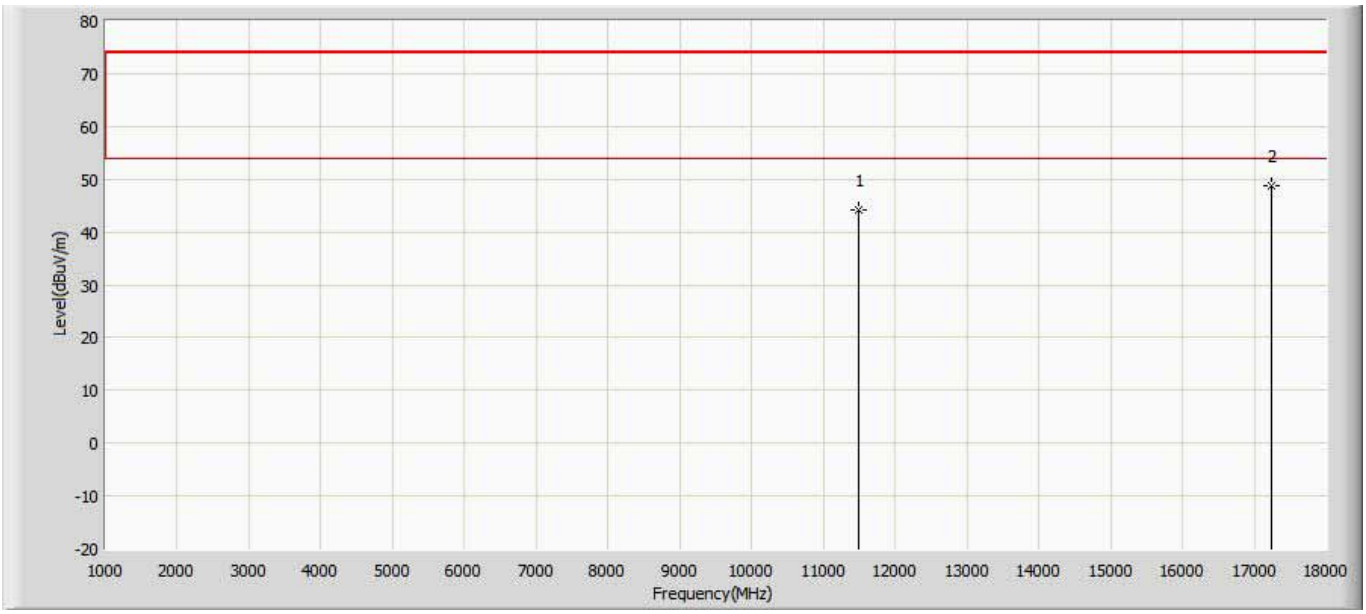
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	44.431	45.421	-29.569	74.000	-0.990	PK
2	*	17100.000	50.698	45.398	-23.302	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 802.11ac20	



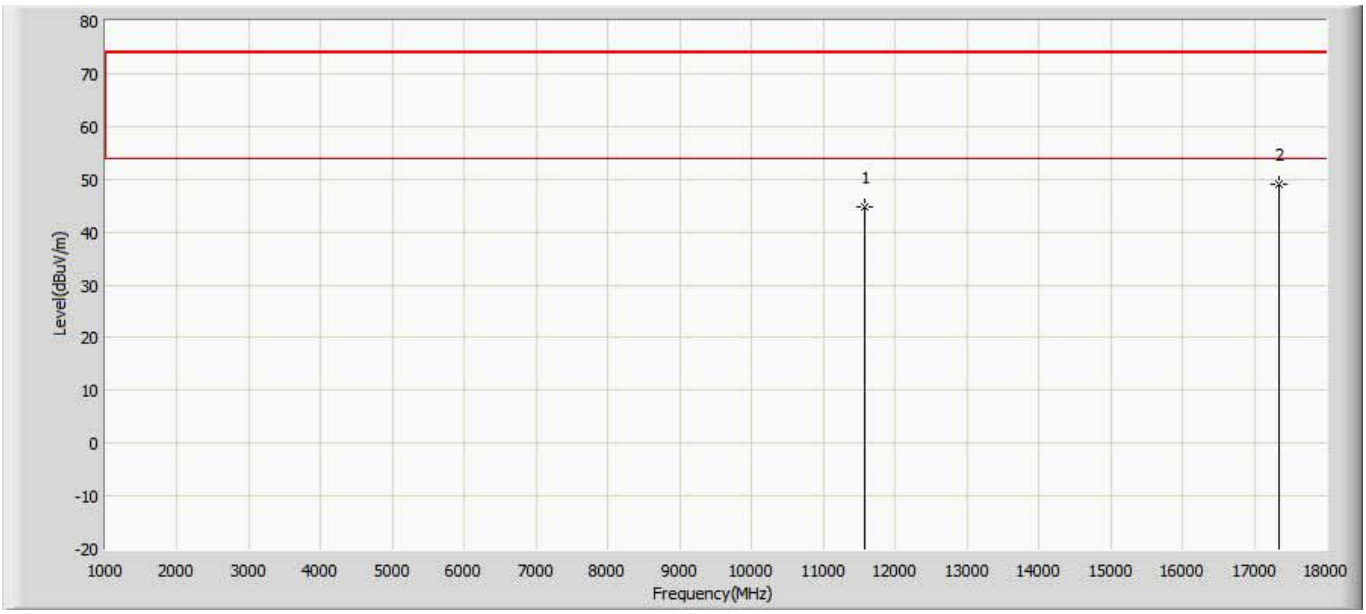
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.237	46.227	-28.763	74.000	-0.990	PK
2	*	17235.000	47.584	42.284	-26.416	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5745MHz by 802.11ac20	



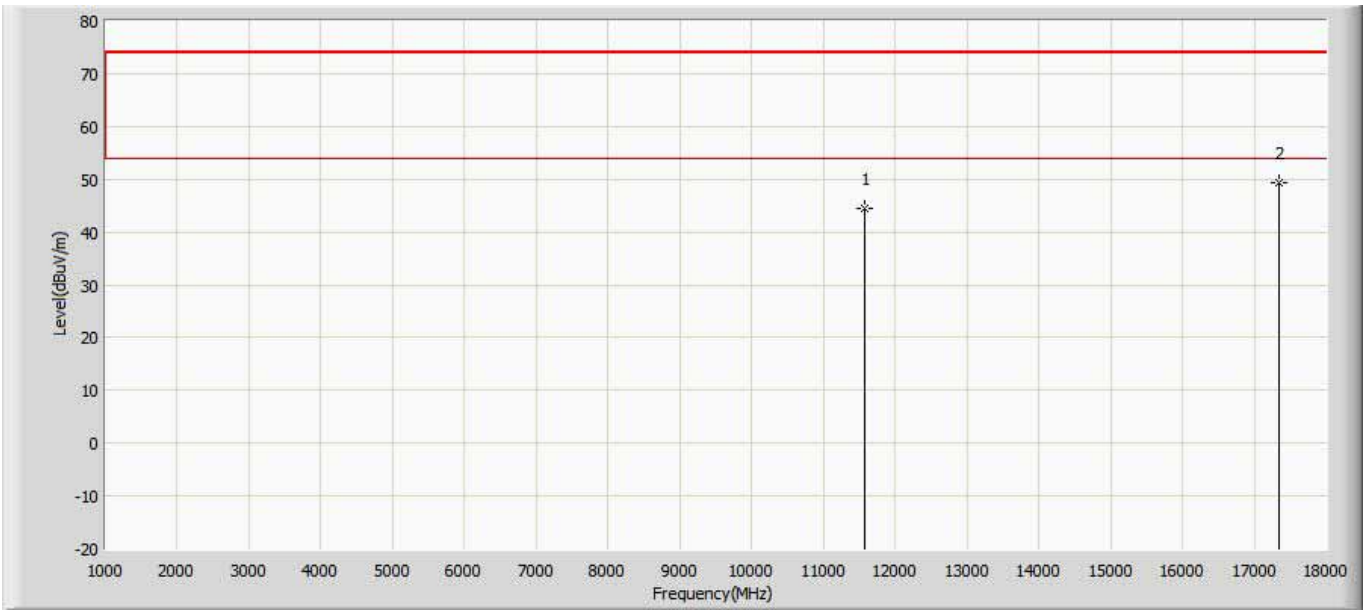
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	44.163	45.153	-29.837	74.000	-0.990	PK
2	*	17235.000	48.812	43.512	-25.188	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 802.11ac20	



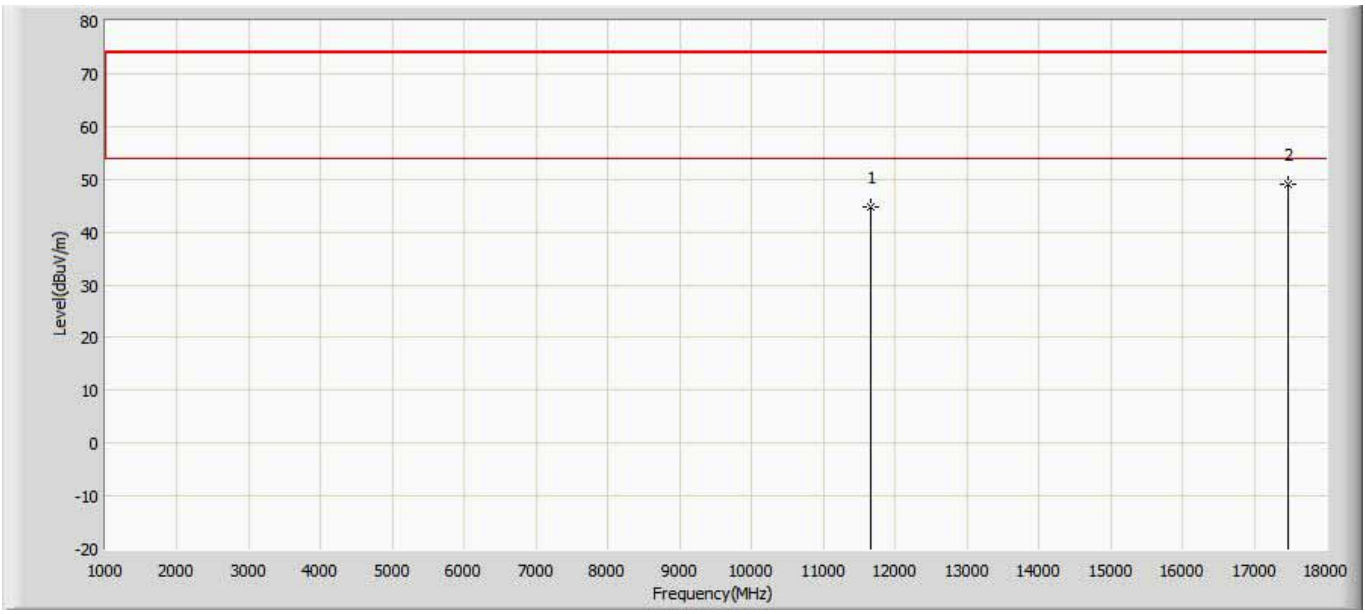
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.750	45.740	-29.250	74.000	-0.990	PK
2	*	17355.000	49.188	43.888	-24.812	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5785MHz by 802.11ac20	



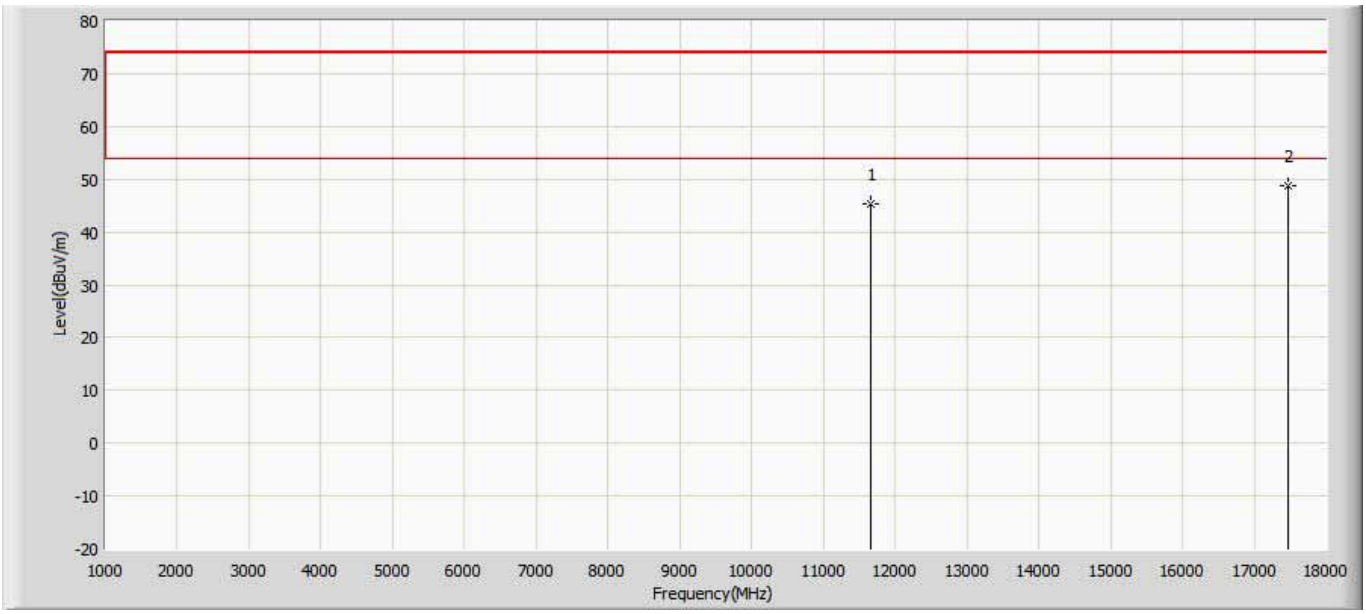
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	44.471	45.461	-29.529	74.000	-0.990	PK
2	*	17355.000	49.212	43.912	-24.788	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 802.11ac20	



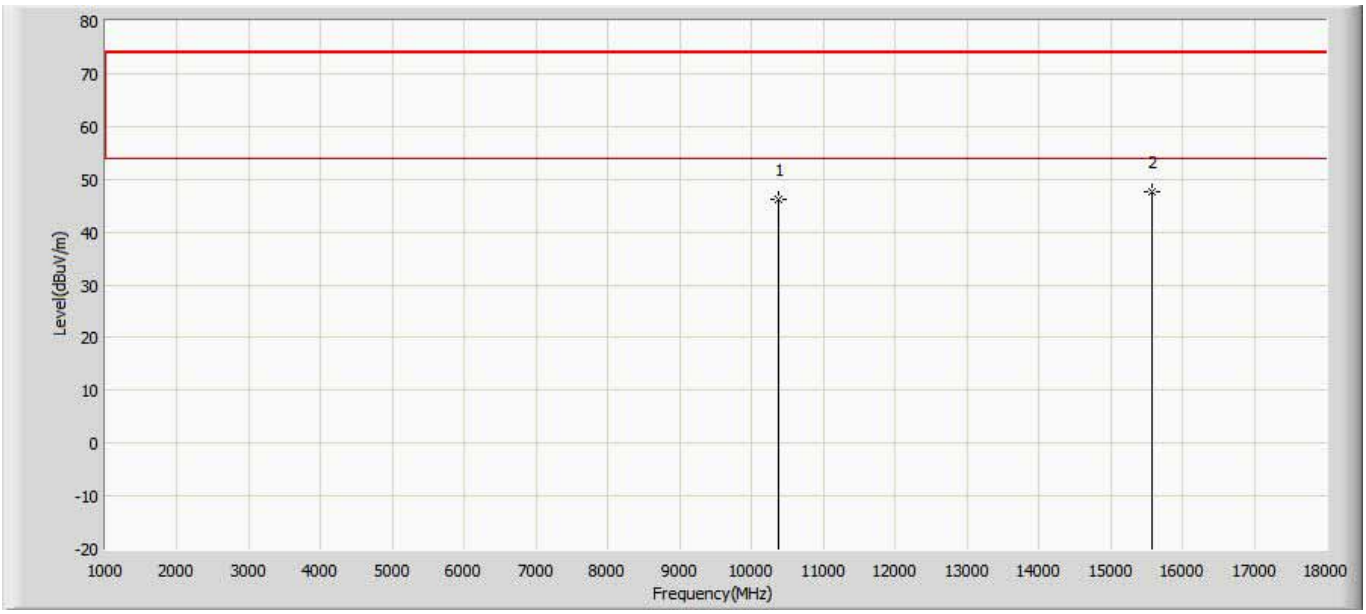
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	44.697	45.687	-29.303	74.000	-0.990	PK
2	*	17475.000	49.000	43.700	-25.000	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 4:Transmit at 5825MHz by 802.11ac20	



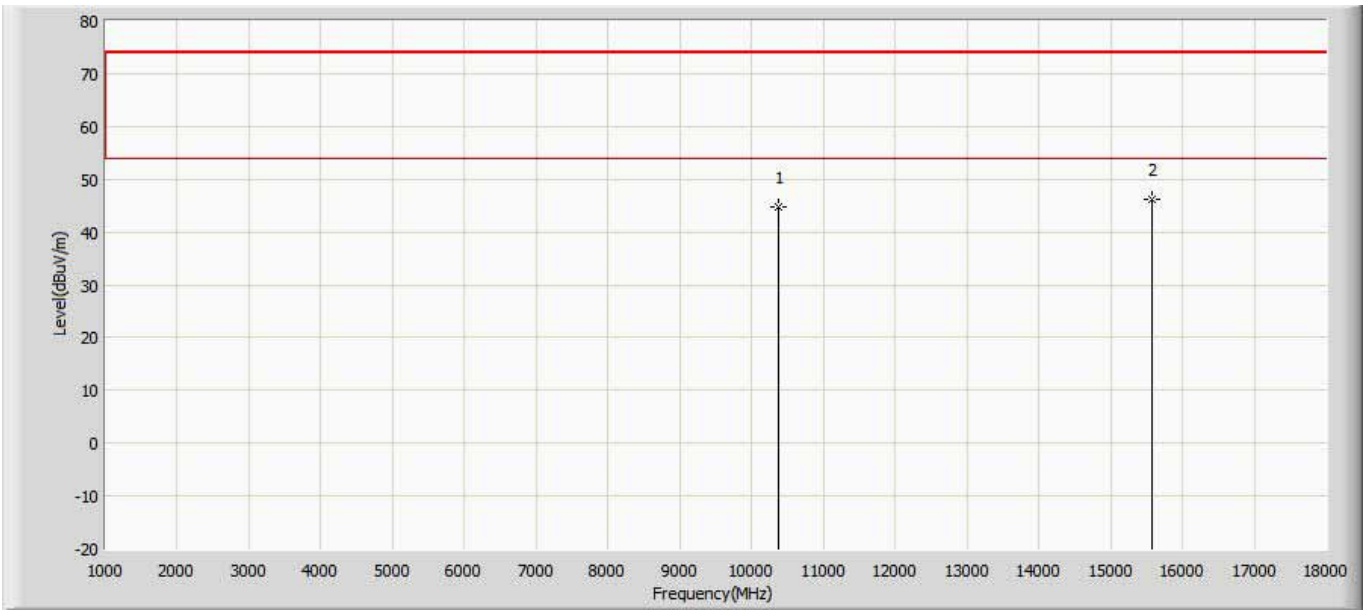
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.207	46.197	-28.793	74.000	-0.990	PK
2	*	17475.000	48.760	43.460	-25.240	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



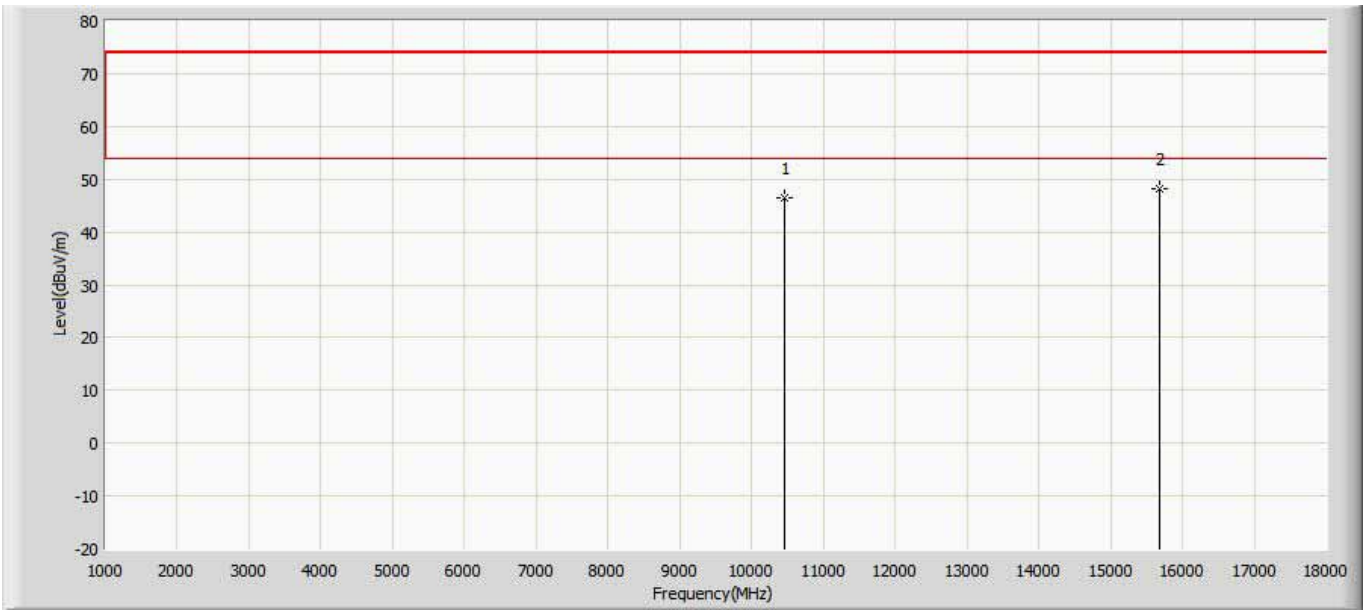
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	46.103	46.523	-27.897	74.000	-0.420	PK
2	*	15570.000	47.583	45.203	-26.417	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5190MHz by 802.11ac40	



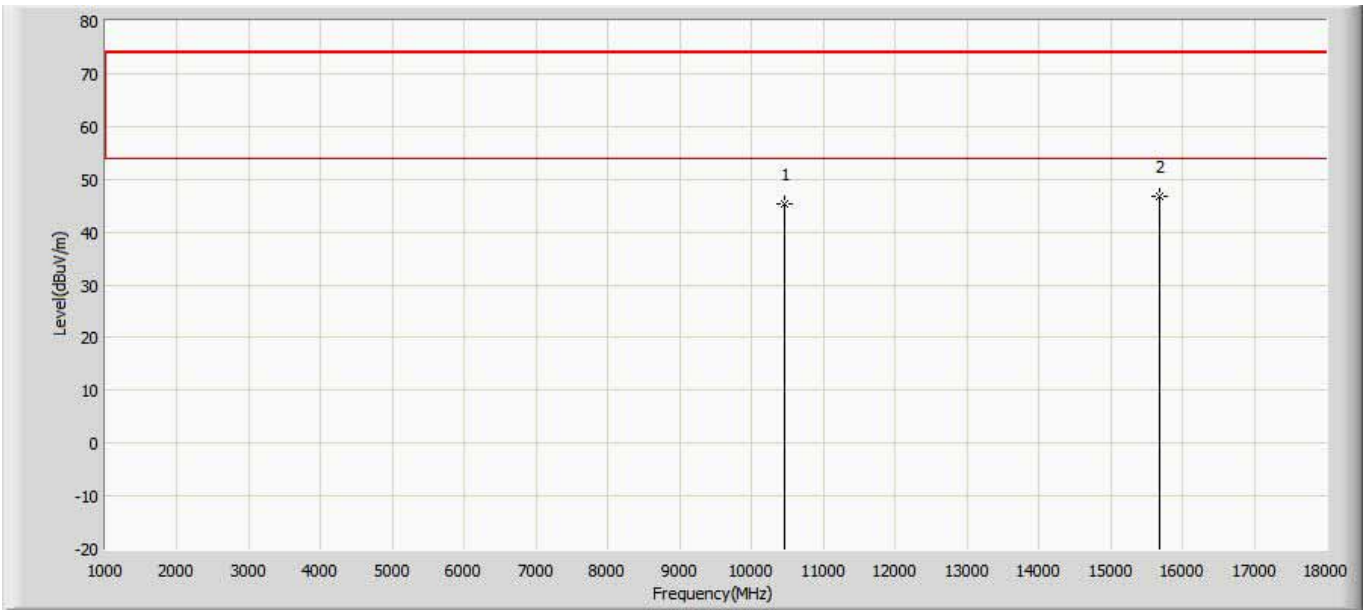
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.879	45.299	-29.121	74.000	-0.420	PK
2	*	15570.000	46.206	43.826	-27.794	74.000	2.380	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



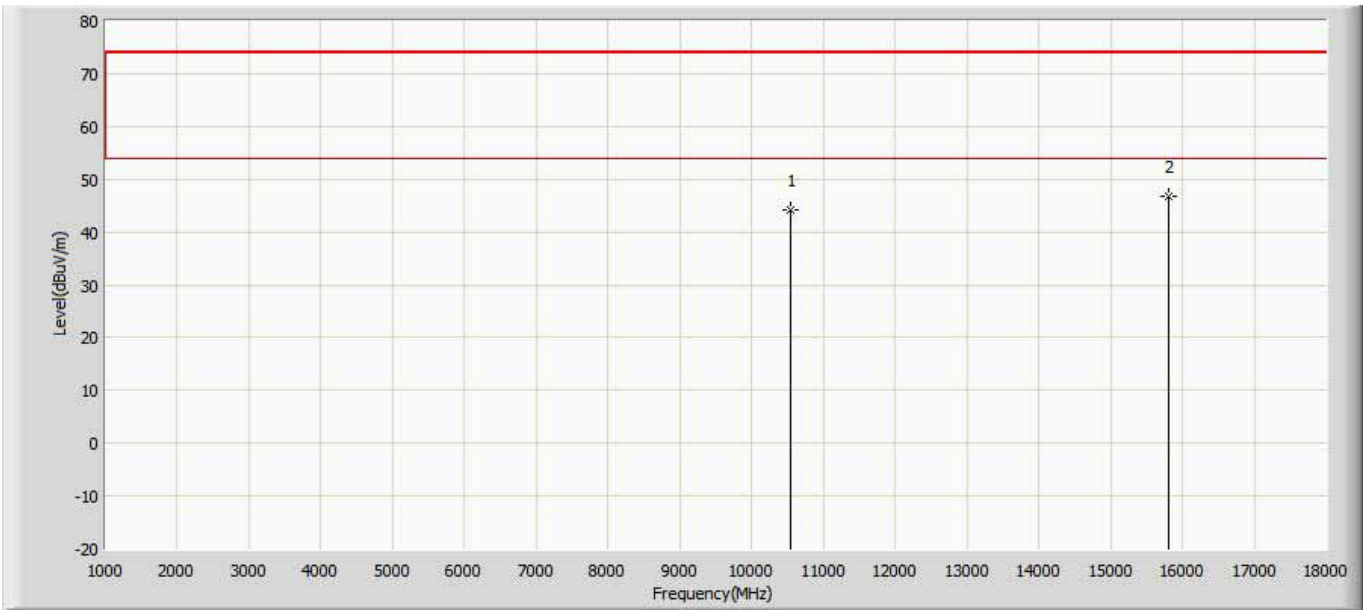
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	46.476	46.896	-27.524	74.000	-0.420	PK
2	*	15690.000	48.080	43.690	-25.920	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5230MHz by 802.11ac40	



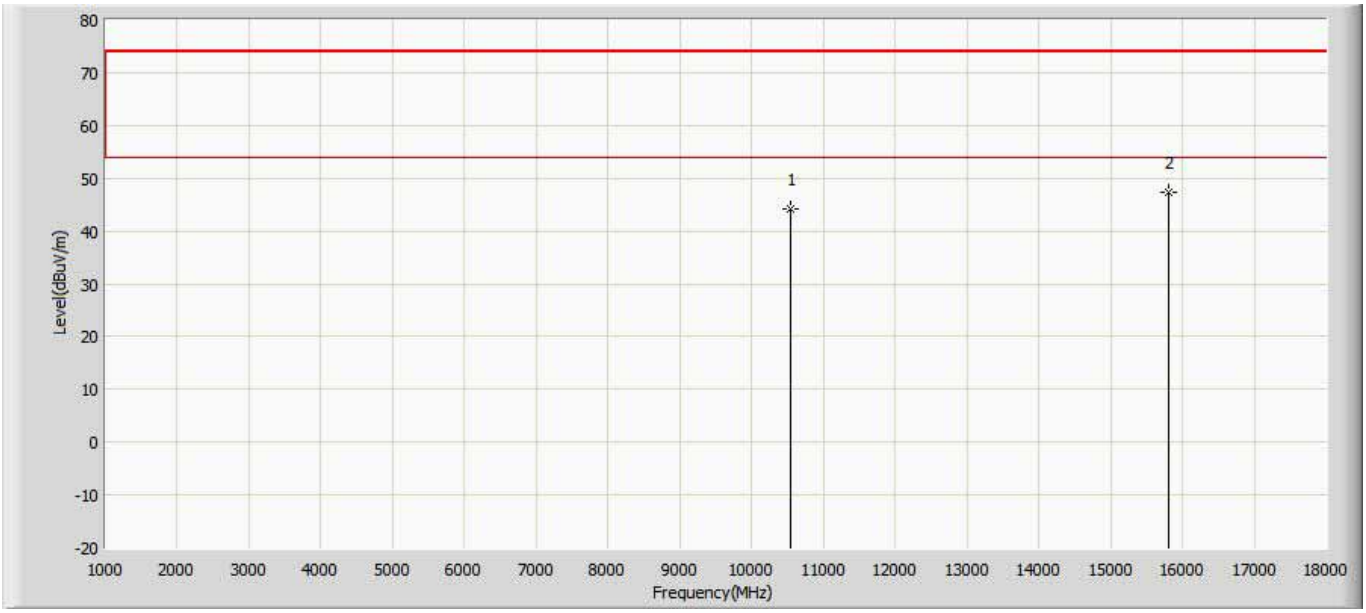
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	45.300	45.720	-28.700	74.000	-0.420	PK
2	*	15690.000	46.807	42.417	-27.193	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5270MHz by 802.11ac40	



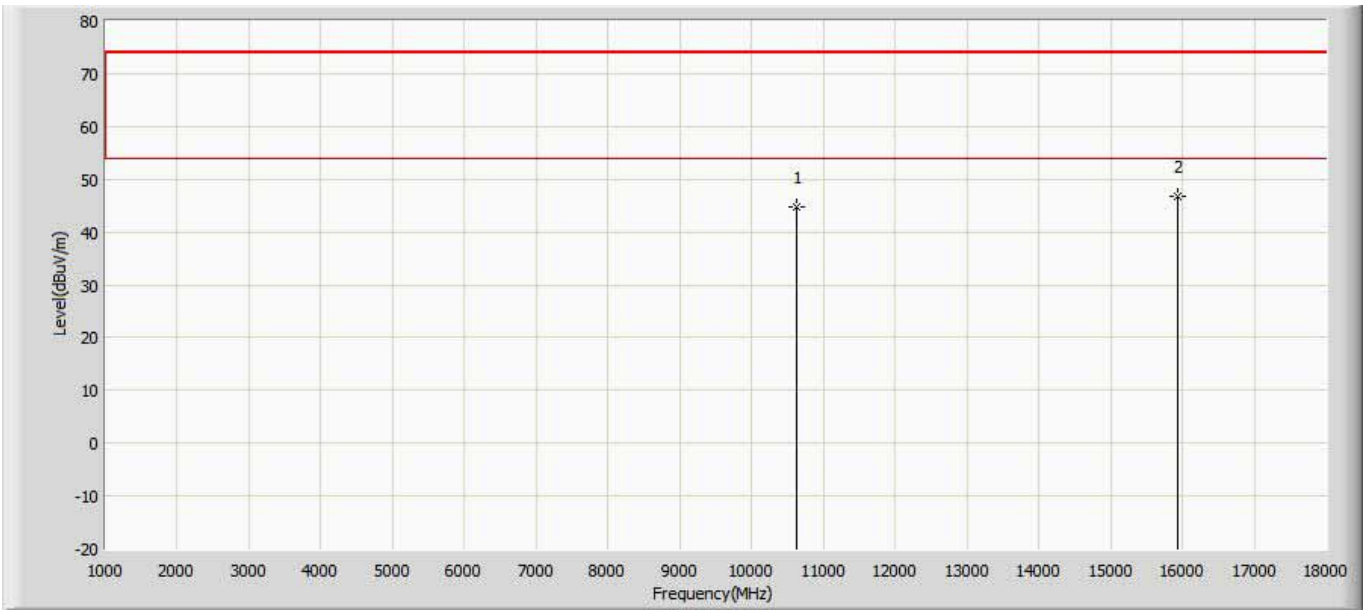
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	44.151	44.571	-29.849	74.000	-0.420	PK
2	*	15810.000	46.647	42.257	-27.353	74.000	4.390	PK

Profile: 5G Ant 0 Page No.: 312	
Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5270MHz by 802.11ac40	



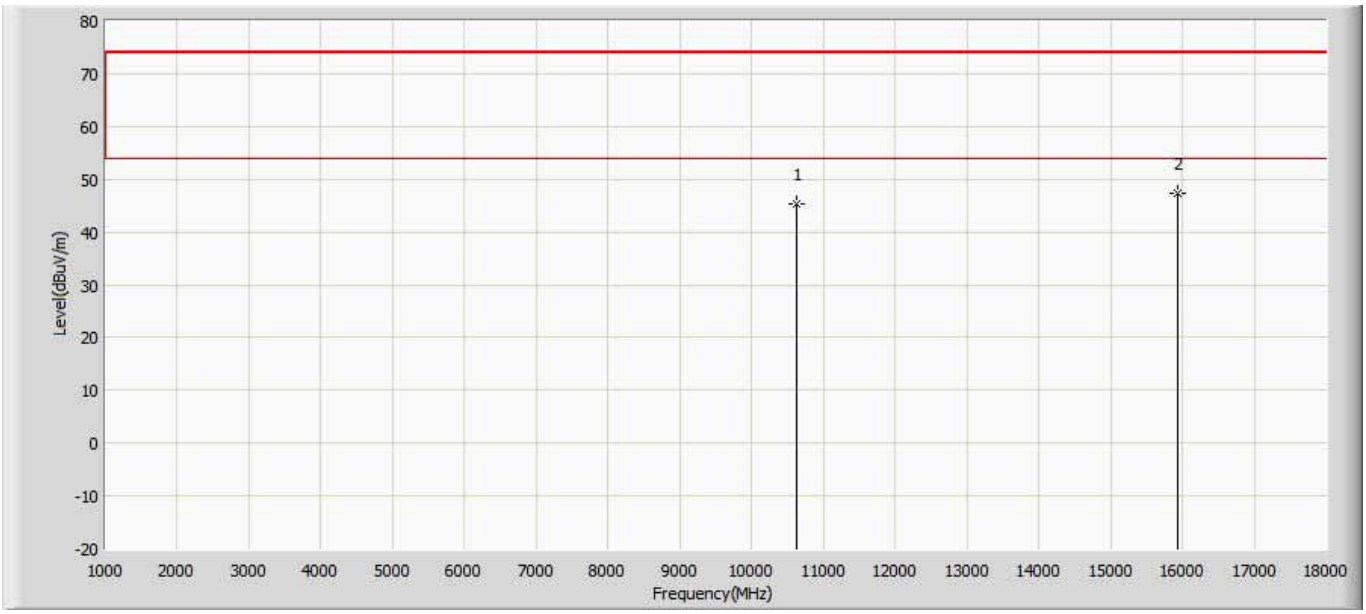
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	44.146	44.566	-29.854	74.000	-0.420	PK
2	*	15810.000	47.387	42.997	-26.613	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5310MHz by 802.11ac40	



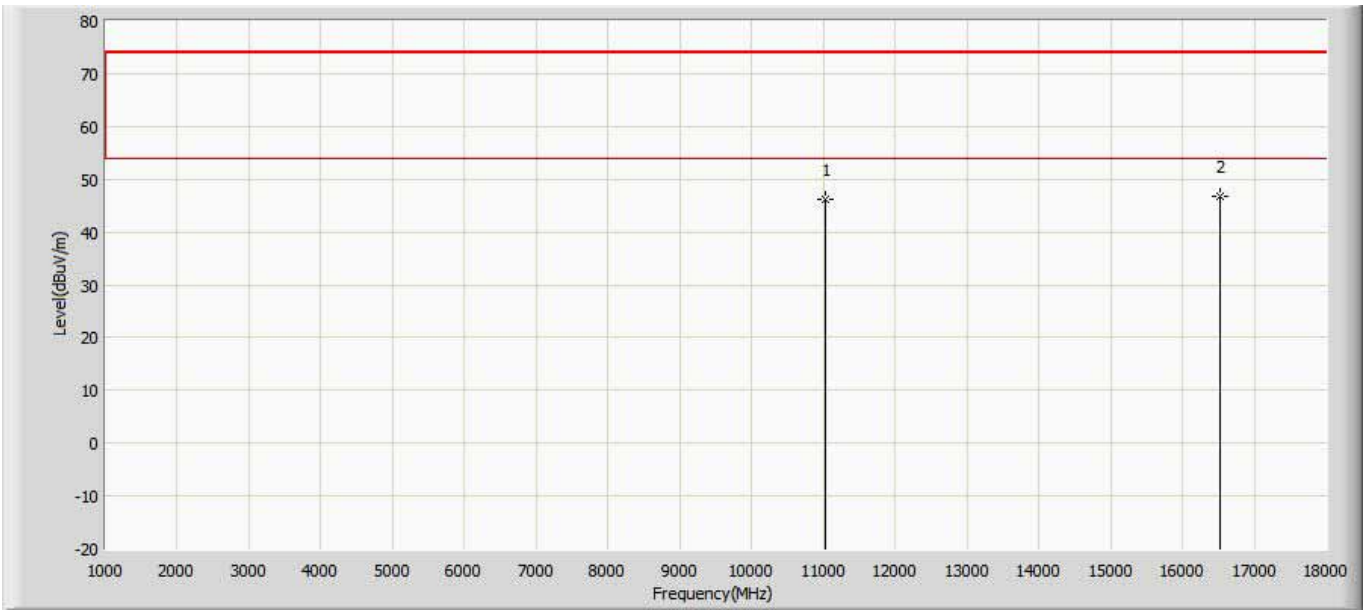
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	44.829	45.249	-29.171	74.000	-0.420	PK
2	*	15930.000	46.701	42.311	-27.299	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5310MHz by 802.11ac40	



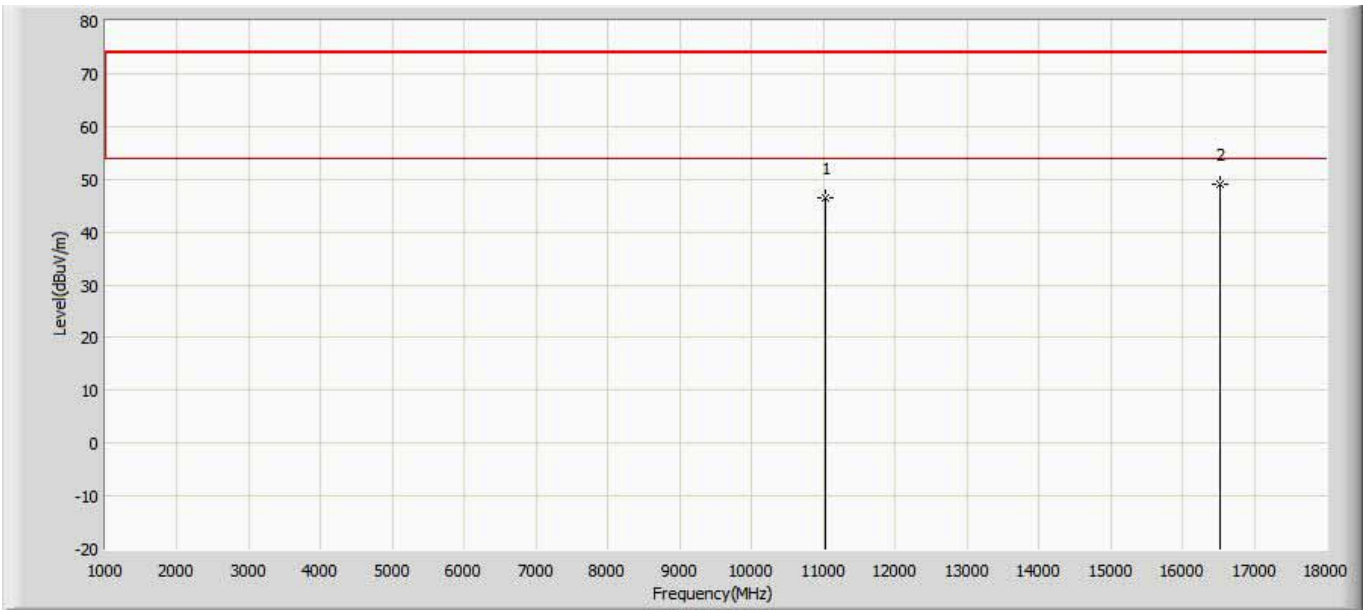
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	45.209	45.629	-28.791	74.000	-0.420	PK
2	*	15930.000	47.298	42.908	-26.702	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5510MHz by 802.11ac40	



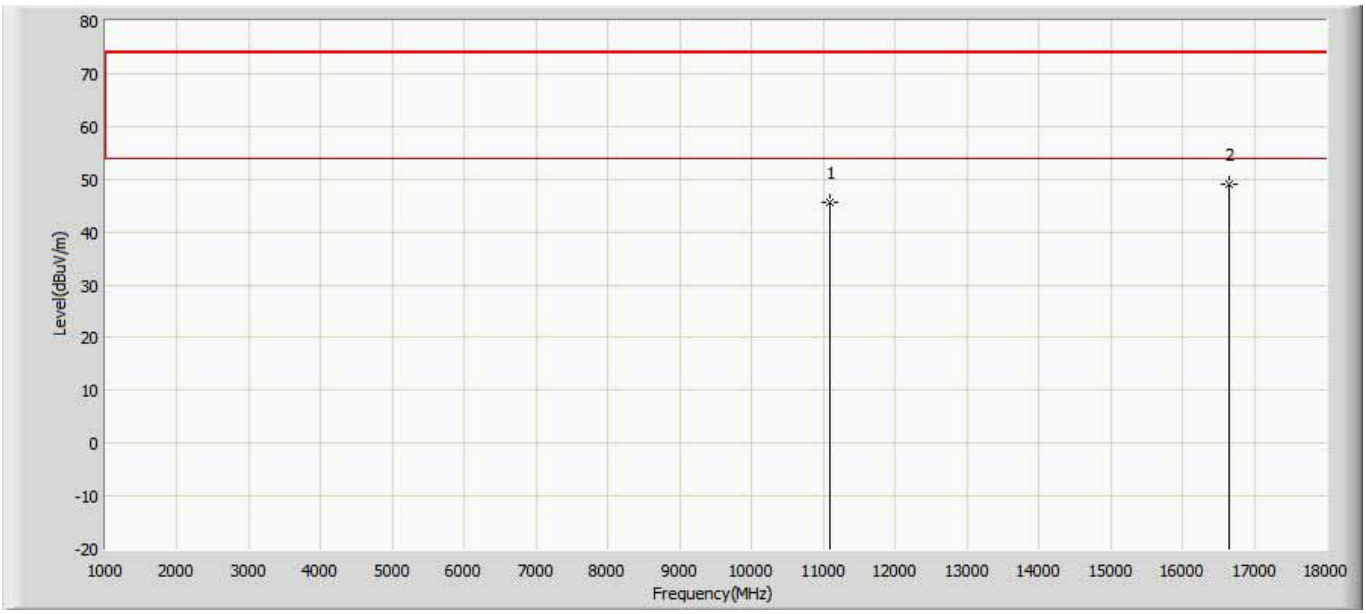
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	46.112	45.992	-27.888	74.000	0.120	PK
2	*	16530.000	46.882	41.642	-27.118	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5510MHz by 802.11ac40	



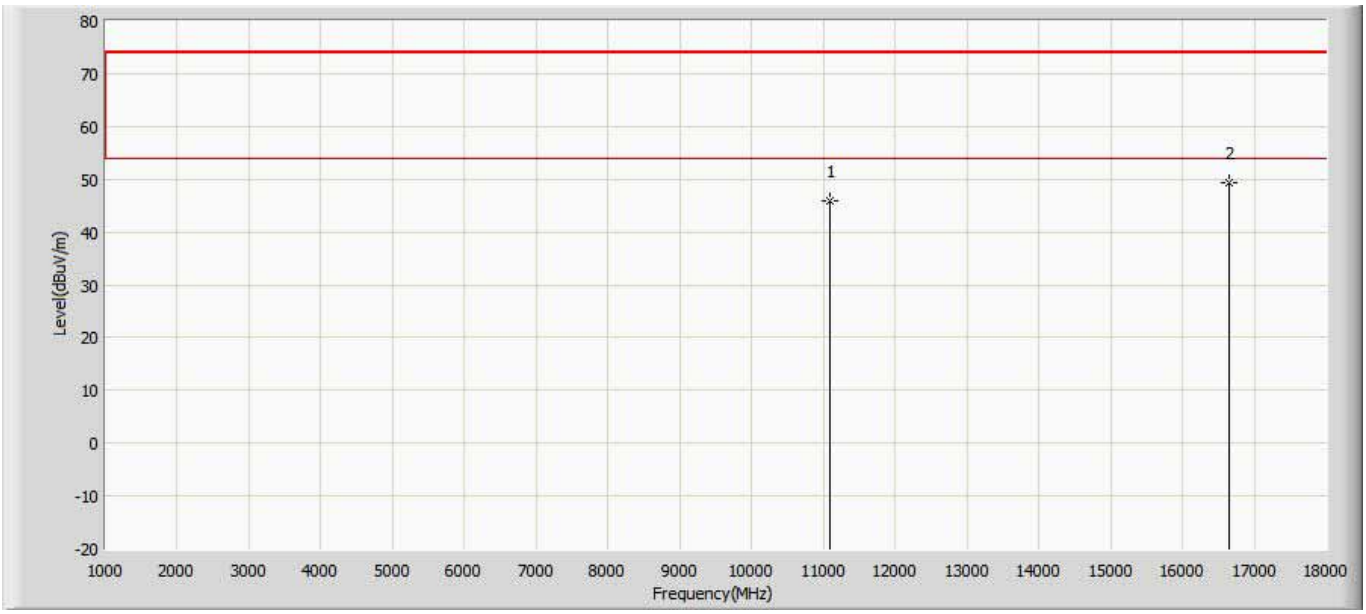
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	46.583	46.463	-27.417	74.000	0.120	PK
2	*	16530.000	49.007	43.767	-24.993	74.000	5.240	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5550MHz by 802.11ac40	



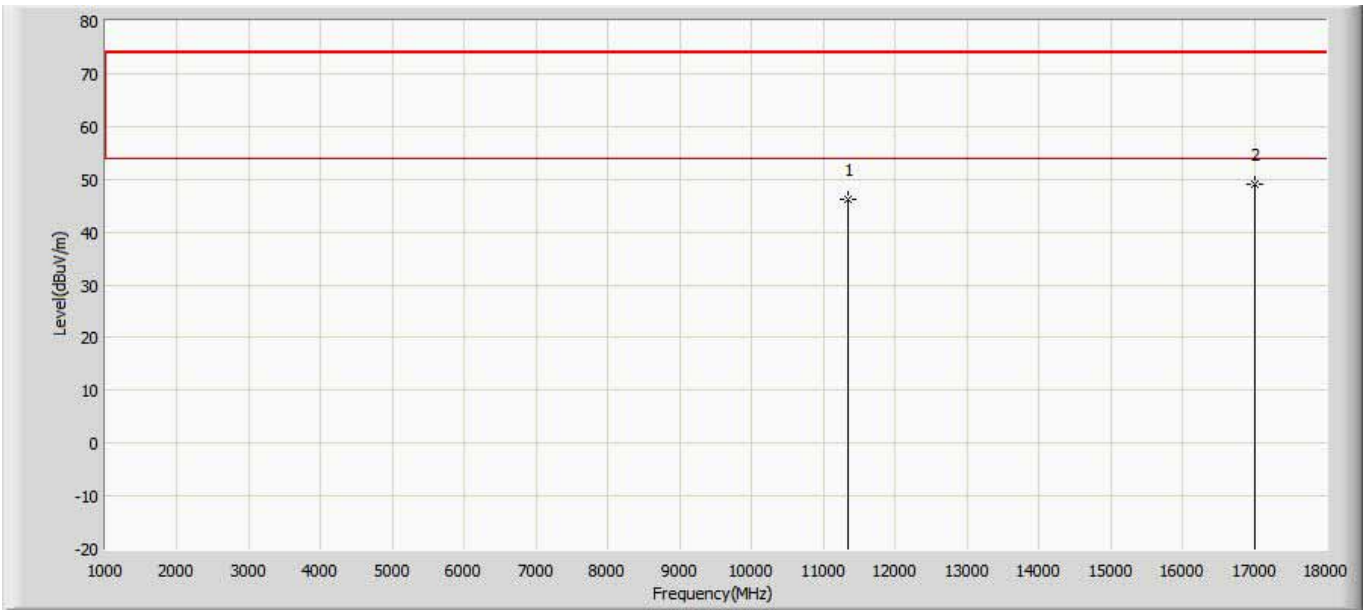
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	45.511	45.391	-28.489	74.000	0.120	PK
2	*	16650.000	48.921	43.531	-25.079	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5550MHz by 802.11ac40	



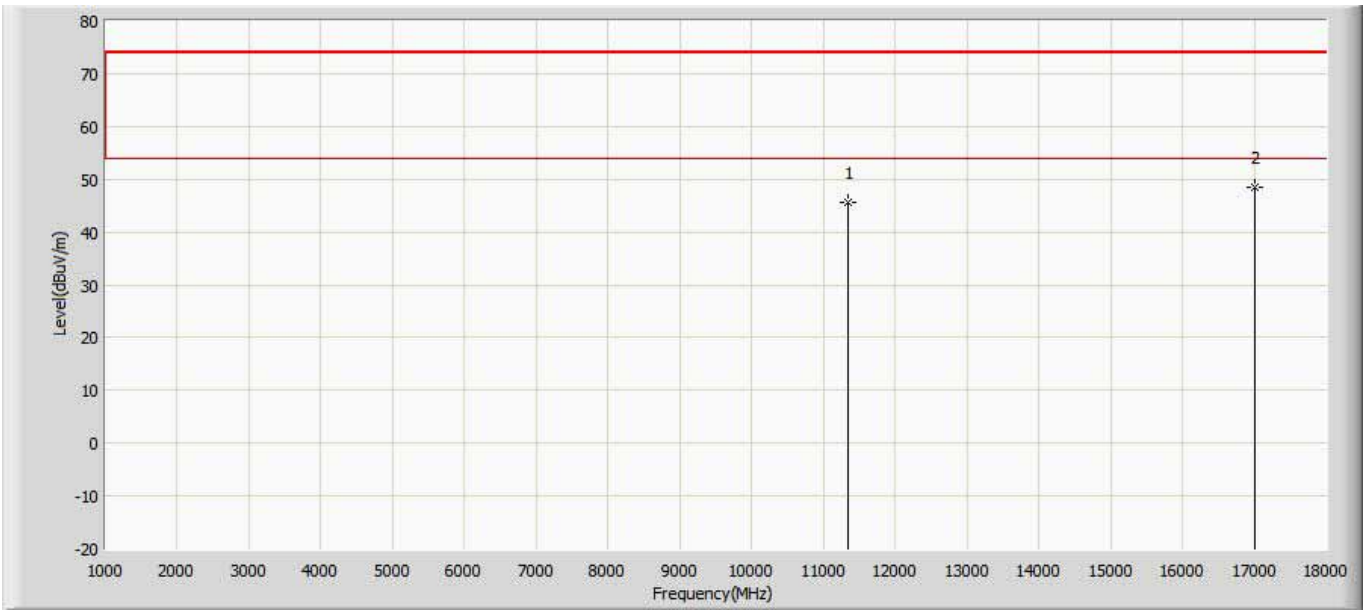
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11100.000	45.994	45.874	-28.006	74.000	0.120	PK
2	*	16650.000	49.319	43.929	-24.681	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5670MHz by 802.11ac40	



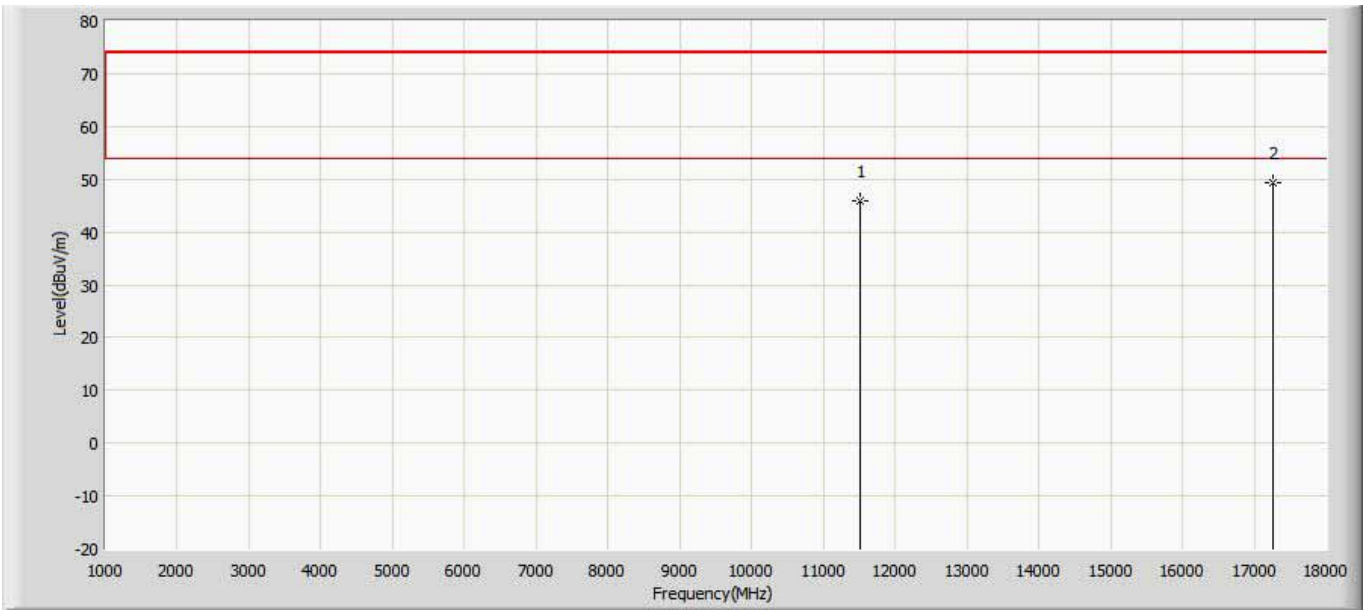
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	46.213	46.354	-27.787	74.000	-0.141	PK
2	*	17010.000	49.077	43.687	-24.923	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5670MHz by 802.11ac40	



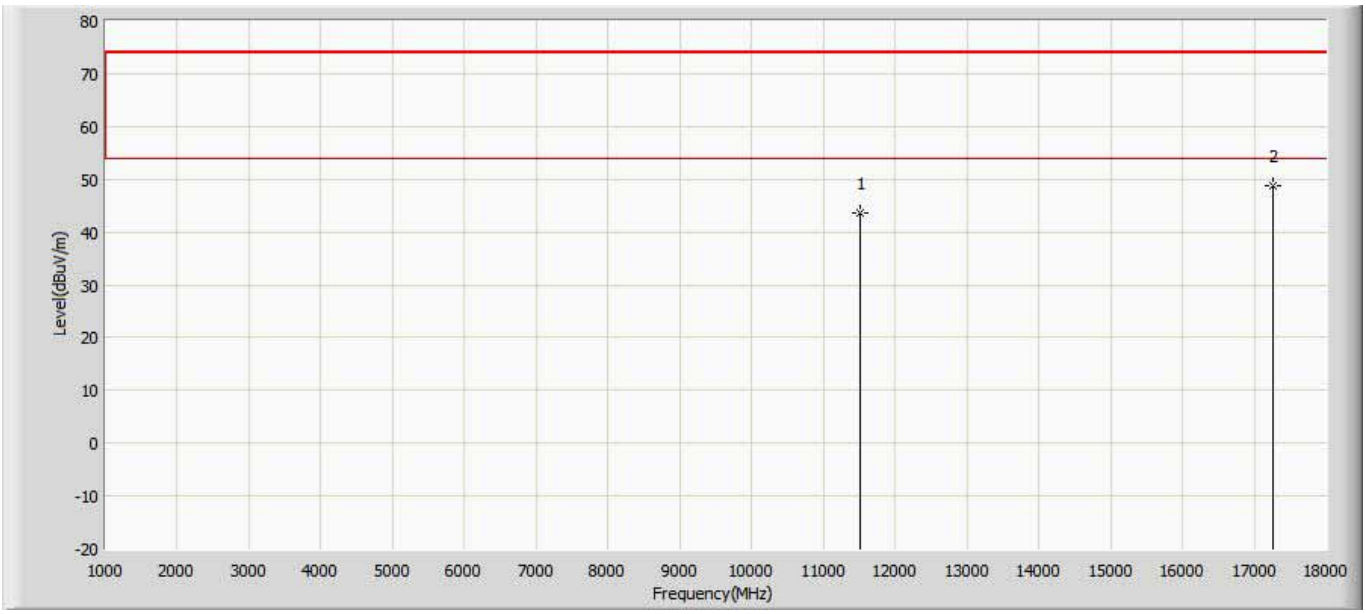
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	45.606	45.747	-28.394	74.000	-0.141	PK
2	*	17010.000	48.394	43.004	-25.606	74.000	5.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 802.11ac40	



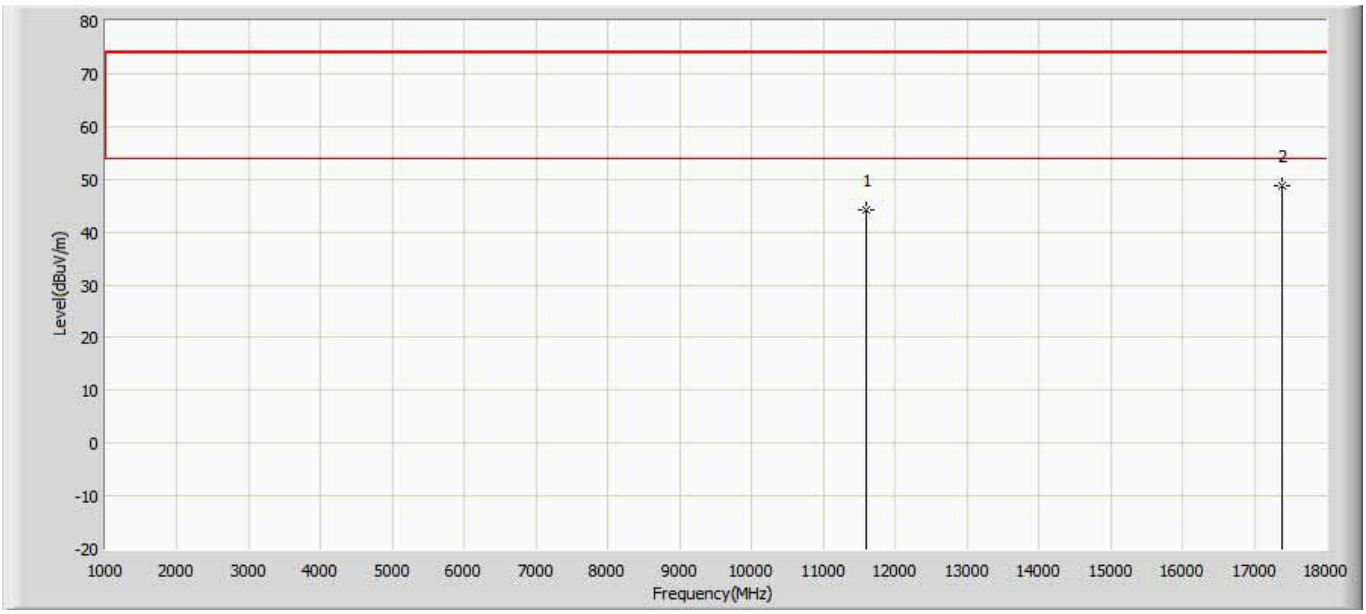
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	45.899	46.889	-28.101	74.000	-0.990	PK
2	*	17265.000	49.344	44.044	-24.656	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5755MHz by 802.11ac40	



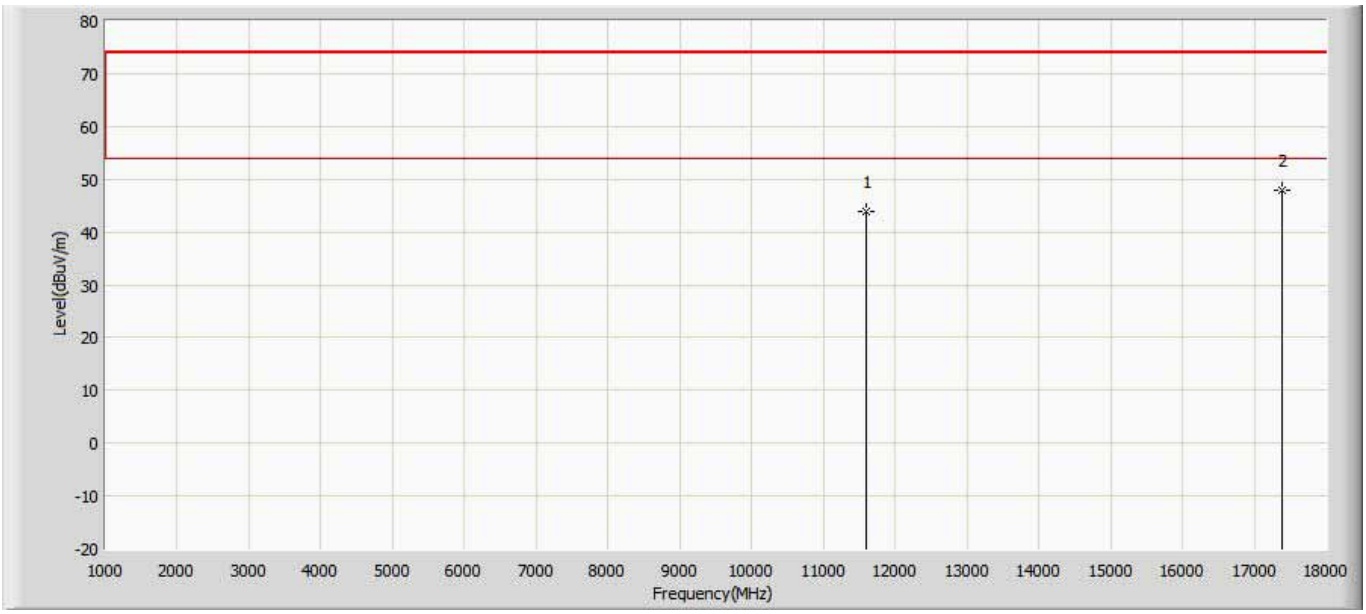
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	43.672	44.662	-30.328	74.000	-0.990	PK
2	*	17265.000	48.677	43.377	-25.323	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 802.11ac40	



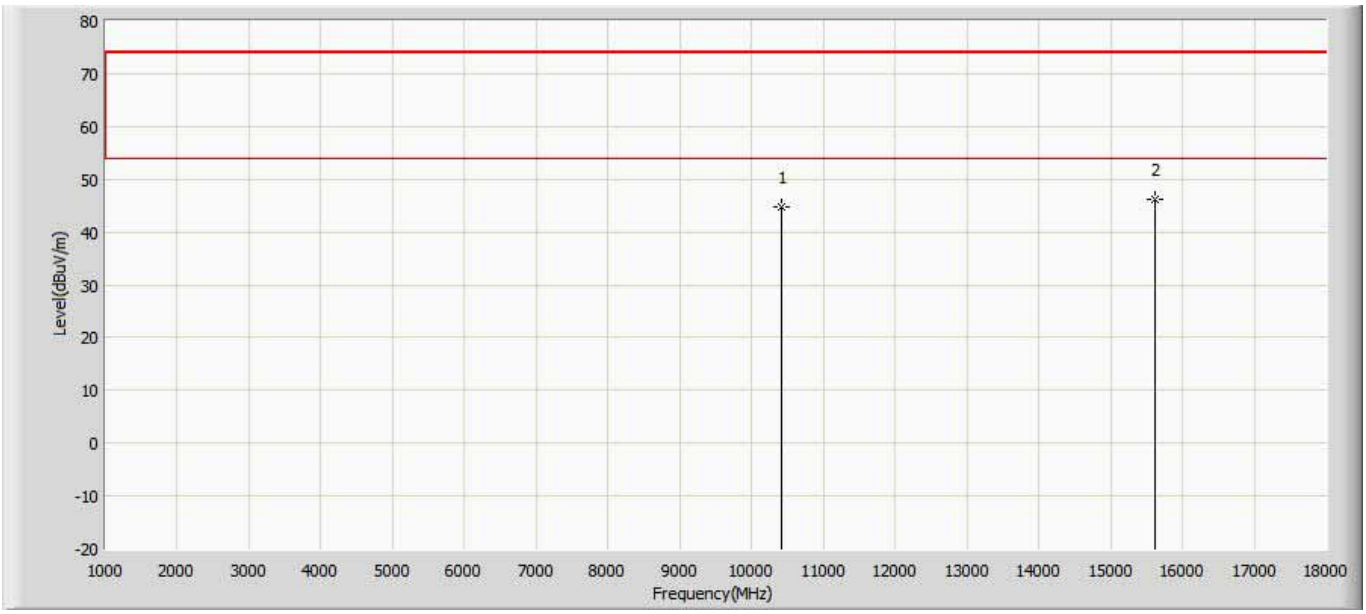
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	44.116	45.106	-29.884	74.000	-0.990	PK
2	*	17385.000	48.699	43.399	-25.301	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 5:Transmit at 5795MHz by 802.11ac40	



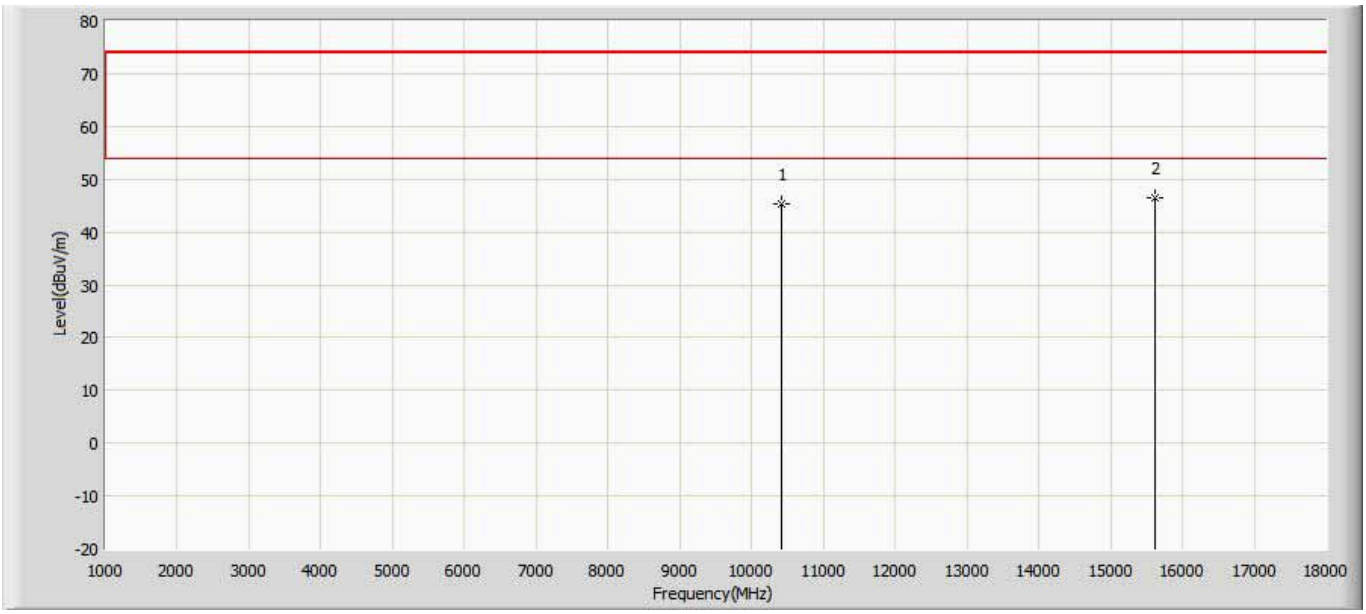
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	43.767	44.757	-30.233	74.000	-0.990	PK
2	*	17385.000	47.909	42.609	-26.091	74.000	5.300	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



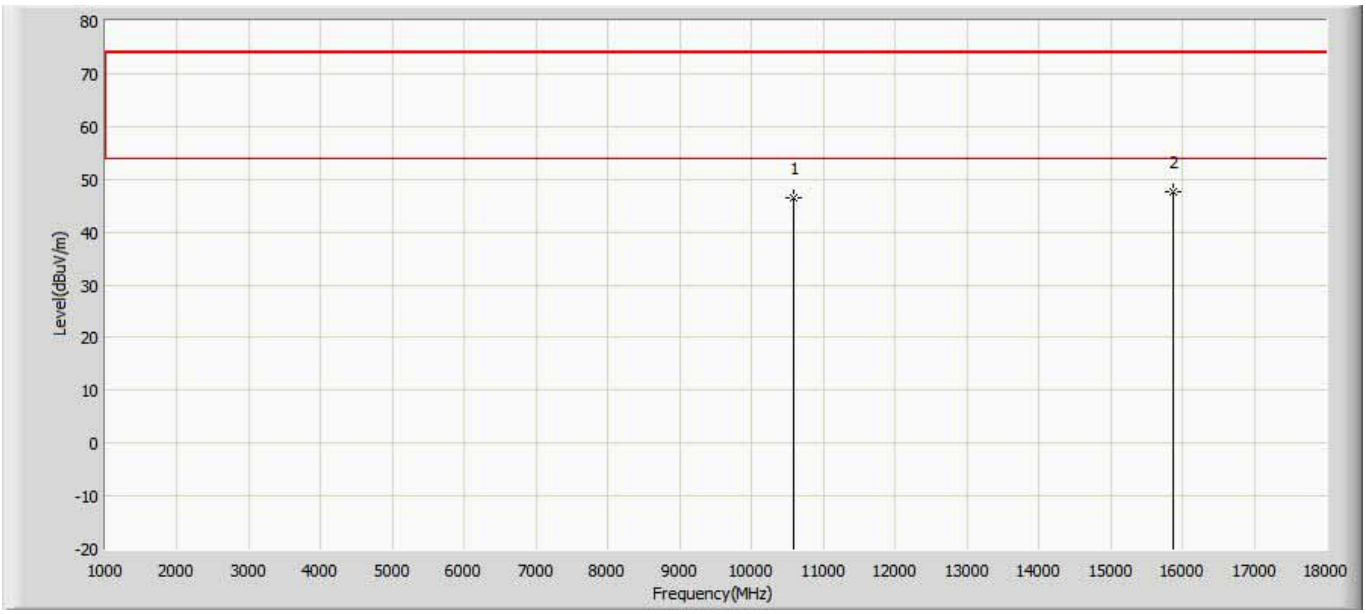
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	44.847	45.267	-29.153	74.000	-0.420	PK
2	*	15630.000	46.071	42.509	-27.929	74.000	3.562	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5210MHz by 802.11ac80	



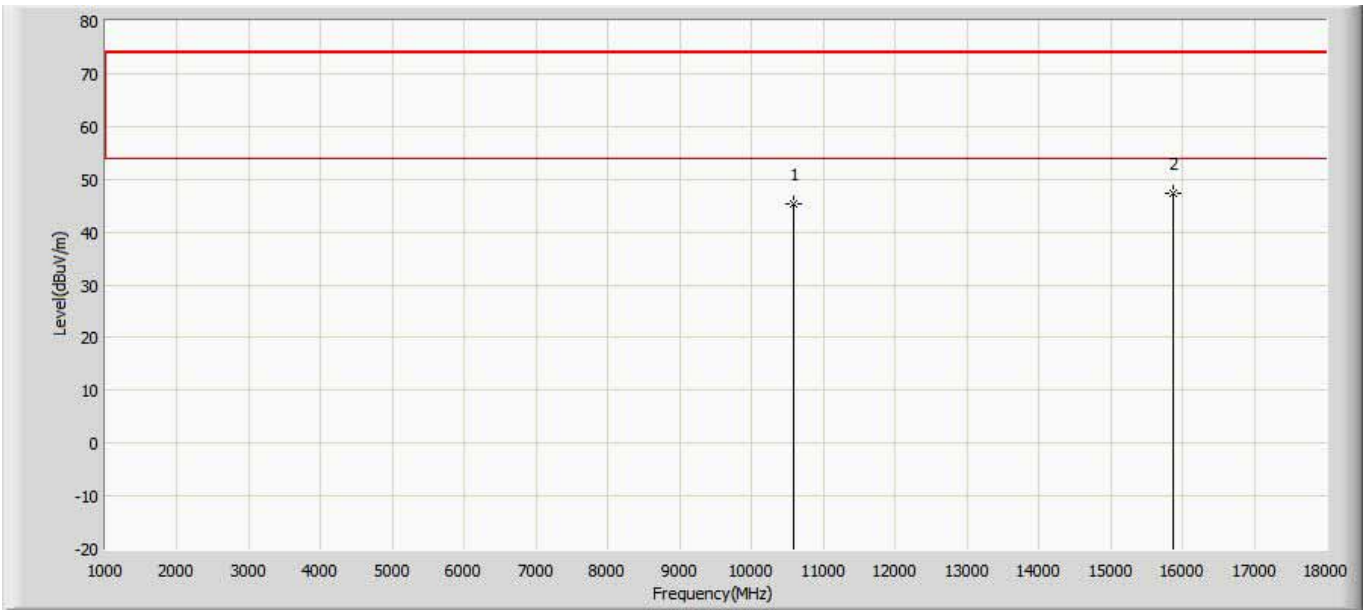
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	45.364	45.784	-28.636	74.000	-0.420	PK
2	*	15630.000	46.487	42.925	-27.513	74.000	3.562	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 802.11ac80	



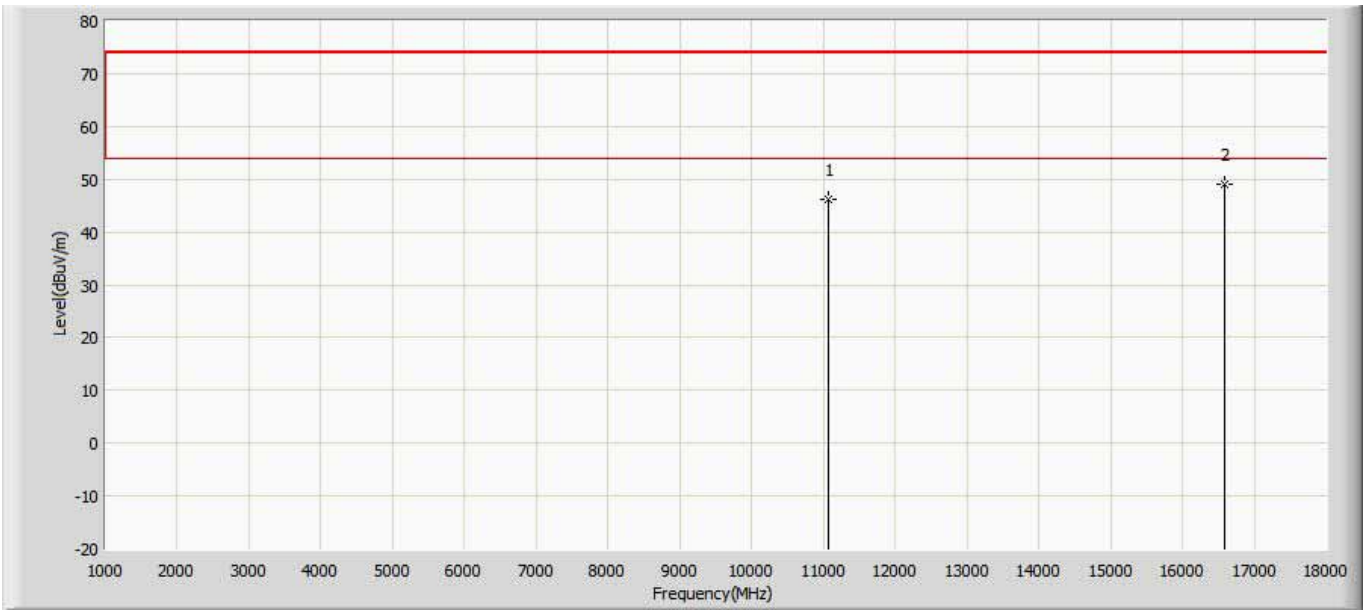
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	46.474	46.894	-27.526	74.000	-0.420	PK
2	*	15870.000	47.609	43.219	-26.391	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5290MHz by 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	45.365	45.785	-28.635	74.000	-0.420	PK
2	*	15870.000	47.377	42.987	-26.623	74.000	4.390	PK

Engineer: Simon	
Site: AC5	Time: 2017/11/08 - 16:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access point	Power: AC 120V/60Hz
Note: Mode 6:Transmit at 5530MHz by 802.11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	46.276	46.156	-27.724	74.000	0.120	PK
2	*	16590.000	48.978	43.588	-25.022	74.000	5.390	PK