



Test Report

FCC Part15 Subpart E

Product Name : Xiaomi Router HD

Model No. : R3D

FCC ID : 2AIMRMIWIFIR3D

Applicant : Beijing Xiaomi Electronics Co., Ltd.

Address : No.58 Yard, Fifth Jinghai Road, Beijing
Economic-Technological Development Area, Beijing,
China.

Date of Receipt : Apr. 26, 2017

Test Date : Apr. 26, 2017~ Sep. 21, 2017

Issued Date : Dec. 06, 2017

Report No. : 1742142R-RF-US-P09V02

Report Version : V1.2

The test results relate only to the samples tested.

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

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Test Report Certification

Issued Date : Dec. 06, 2017
Report No. : 1742142R-RF-US-P09V02



Product Name : Xiaomi Router HD
Applicant : Beijing Xiaomi Electronics Co., Ltd.
Address : No.58 Yard, Fifth Jinghai Road, Beijing
Economic-Technological Development Area, Beijing, China.
Manufacturer : Beijing Xiaomi Electronics Co., Ltd.
Address : No.58 Yard, Fifth Jinghai Road, Beijing
Economic-Technological Development Area, Beijing, China.
Model No. : R3D
FCC ID : 2AIMRMIWIFIR3D
EUT Voltage : AC 100-240V/50-60Hz
Test Voltage : AC 120V/60Hz
Brand Name : MI
Applicable Standard : FCC CFR Title 47 Part 15 Subpart E
ANSI C63.4:2014;
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.
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TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
FCC Registration Number: CN1199;

Documented By :



(Adm. Specialist: Kitty li)

Reviewed By :



(Senior Engineer: Jack Zhang)

Approved By :



(Engineering Manager: Harry Zhao)

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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1742142R-RF-US-P09V02	V1.0	Initial Issued Report	Oct. 13, 2017
1742142R-RF-US-P09V02	V1.1	1. Update Radiated Emission data and limit 2. Update Peak Power data 3. Update Peak Power Spectral Density data	Nov. 10, 2017
1742142R-RF-US-P09V02	V1.2	1. Update Peak Power data 2. Update Peak Power Spectral Density data	Dec. 06, 2017

1. General Information

1.1. EUT Description

Product Name	Xiaomi Router HD					
Brand Name	MI					
Model No.	R3D					
SW	2. 22.30					
HW	R0108					
EUT Voltage	AC 100-240V/50-60Hz					
Test Voltage	AC 120V/60Hz					
Type of Modulation	OFDM					
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps					
	802.11n: up to 600Mbps					
	802.11ac: up to 1.7Gbps					
Channel Control	Auto					
Transmit modes	<input checked="" type="checkbox"/>	802.11a	<input checked="" type="checkbox"/>	802.11n(20MHz)	<input checked="" type="checkbox"/>	802.11n(40MHz)
	<input checked="" type="checkbox"/>	802.11ac(20MHz)	<input checked="" type="checkbox"/>	802.11ac(40MHz)	<input checked="" type="checkbox"/>	802.11ac(80MHz)
Support Bands	<input checked="" type="checkbox"/>	5150MHz~5250MHz	<input type="checkbox"/> Outdoor AP <input checked="" type="checkbox"/> Indoor AP <input type="checkbox"/> Fixed point-to-point AP <input type="checkbox"/> Fixed point-to-Multi point AP <input type="checkbox"/> Mobile and Portable Client			
	<input type="checkbox"/>	5250MHz~5350MHz				
	<input type="checkbox"/>	5470MHz~5725MHz	<input type="checkbox"/> With TDWR Channels <input type="checkbox"/> Without TDWR Channels			
	<input checked="" type="checkbox"/>	5725MHz~5850MHz				

1.2. Antenna information

Antenna Model No.	N/A							
Antenna manufacturer	N/A							
Antenna Delivery	<input type="checkbox"/>	1*TX+1*RX	<input type="checkbox"/>	2*TX+2*RX	<input type="checkbox"/>	3*TX+3*RX	<input checked="" type="checkbox"/>	4*TX+4*RX
Antenna technology	<input type="checkbox"/>	SISO						
	<input checked="" type="checkbox"/>	MIMO	<input type="checkbox"/>	Basic				
			<input type="checkbox"/>	Sectorized antenna systems				
			<input type="checkbox"/>	Cross-polarized antennas				
			<input type="checkbox"/>	Unequal antenna gains, with equal transmit powers				
			<input type="checkbox"/>	Spatial Multiplexing				
			<input checked="" type="checkbox"/>	CDD				
			<input checked="" type="checkbox"/>	Beam-forming				
Antenna Type	<input checked="" type="checkbox"/>	External	<input checked="" type="checkbox"/>	Dipole				
	<input type="checkbox"/>	Internal	<input type="checkbox"/>	PIFA				
			<input type="checkbox"/>	PCB				
			<input type="checkbox"/>	Ceramic Chip Antenna				
			<input type="checkbox"/>	Metal plate type F antenna				
			<input type="checkbox"/>	Cross-polarize Antenna				
			<input type="checkbox"/>	Samrt antenna				
Antenna Gain #1	2dBi							
Antenna Gain #2	2dBi							
Antenna Gain #3	2dBi							
Antenna Gain #4	2dBi							
Beamforming Gain	8.02dBi							

1.3. Working Frequency of Each Channel:

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

1.4. 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
Mode 2: Transmit by 802.11n(20MHz)
Mode 3: Transmit by 802.11n(40MHz)
Mode 4: Transmit by 802.11ac(20MHz)
Mode 5: Transmit by 802.11ac(40MHz)
Mode 6: Transmit by 802.11ac(80MHz)
Mode 7: Transmit by 802.11a with Beamforming
Mode 8: Transmit by 802.11n(20MHz) with Beamforming
Mode 9: Transmit by 802.11n(40MHz) with Beamforming
Mode 10: Transmit by 802.11ac(20MHz) with Beamforming
Mode 11: Transmit by 802.11ac(40MHz) with Beamforming
Mode 12: Transmit by 802.11ac(80MHz) with Beamforming

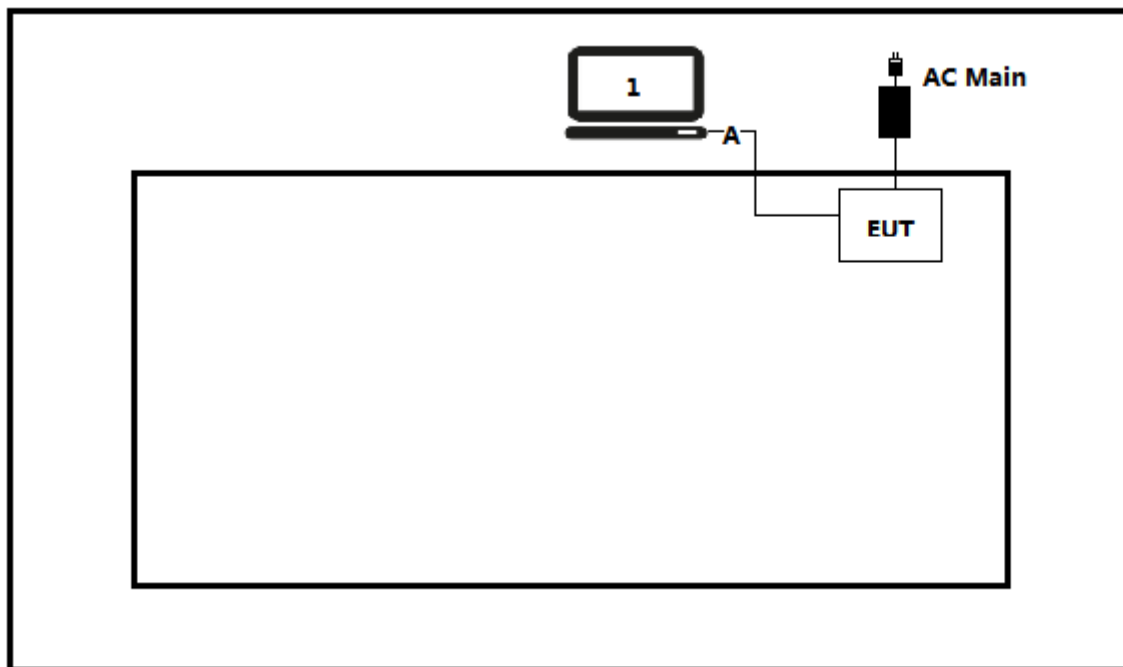
1.5. Tested System Details

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

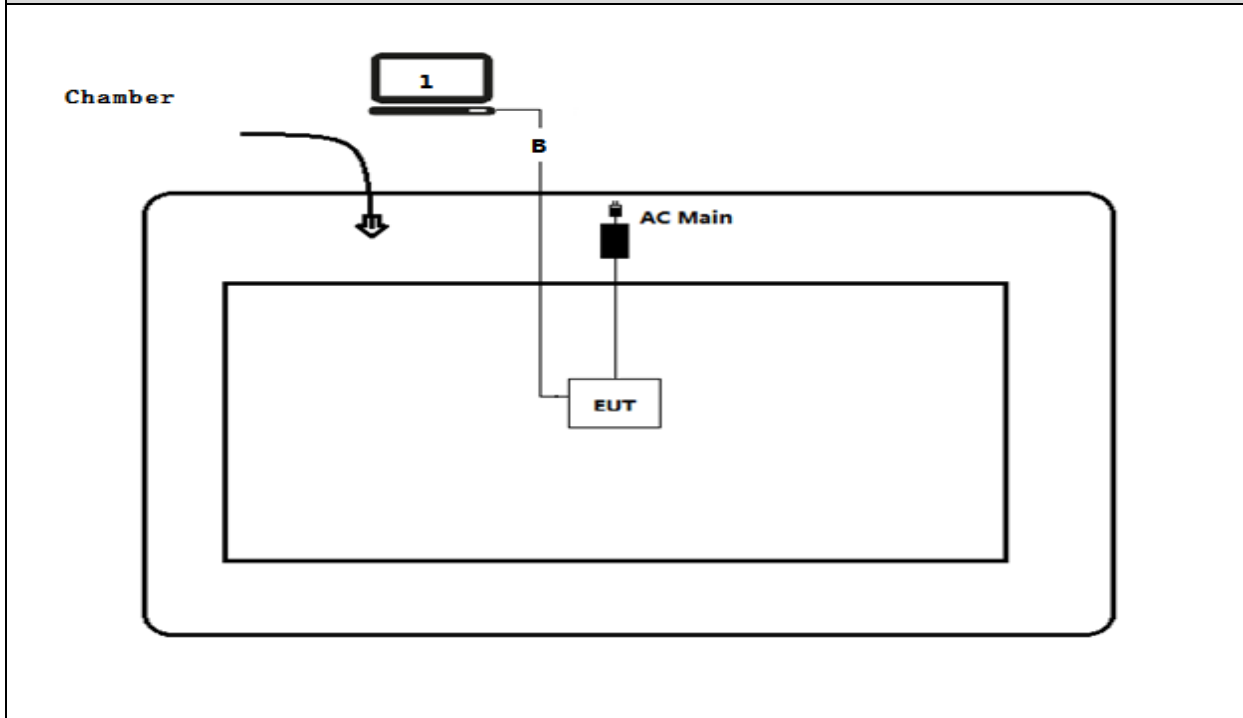
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	Think pad x220	SUA0600195	Non-shielded
3	Notebook	Asus	N80V	8BN0AS226971468	None-shielded

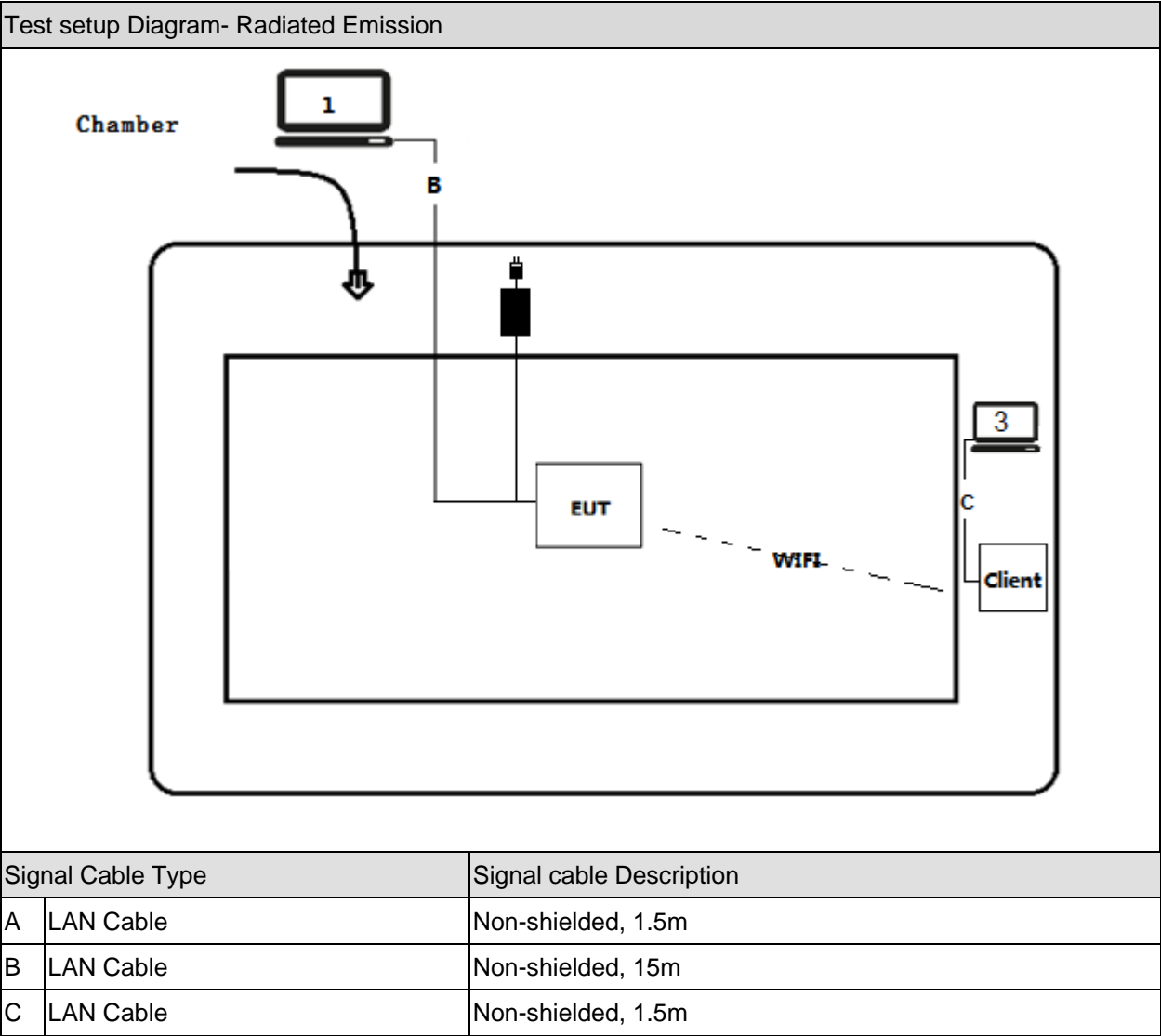
1.6. Configuration of Tested System

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 the software (QRCT V3.0.219.0, and set the test mode and channel, then start to continue transmit or receive.

2. Technical Test

2.1. Summary of Test Result

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

Performed Test Item	Normative References	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
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(e)	PASS
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(e)	PASS
Power Output	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(a)	FCC 15.407(a)	PASS
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.205, 15.407(b)	FCC 15.407(b)	PASS
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: 2015 Section 15.407(g)	Within the band	PASS
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: 2015 Section 15.203	FCC 15.203	PASS

2.2. Test Frequency configuration:

Modulation Mode	Channel	Frequency	Channel	Frequency	Channel	Frequency
802.11a/n(20MHz)/ ac(20MHz)	36	5180MHz	44	5220MHz	48	5240MHz
	149	5745MHz	157	5785MHz	165	5825MHz
802.11n(40MHz)/ ac(40MHz)	38	5190MHz	46	5230MHz	N/A	N/A
	151	5755MHz	159	5795MHz	N/A	N/A
802.11ac(80MHz)	42	5210MHz	155	5775MHz	N/A	N/A

2.3. Power Parameter Value of the test software

Power Setting

Test Software	QRCT	
Modulation Mode	Test Frequency	Ant 1+2+3+4
802.11a	5180	17
	5220	17
	5240	17
	5745	24
	5785	24
	5825	24
802.11n(20MHz)	5180	17
	5220	17
	5240	17
	5745	24
	5785	24
	5825	24
802.11n(40MHz)	5190	16
	5230	16
	5755	23
	5795	23
802.11ac(20MHz)	5180	17
	5220	17
	5240	17
	5745	24
	5785	24
	5825	24
802.11ac(40MHz)	5190	17
	5230	17
	5755	22
	5795	22
802.11ac(80MHz)	5210	13
	5775	17
802.11a with Beamforming	5180	17
	5220	17
	5240	17
	5745	24
	5785	24

	5825	24
802.11n(20MHz) with Beamforming	5180	17
	5220	17
	5240	17
	5745	24
	5785	24
	5825	24
802.11n(40MHz) with Beamforming	5190	16
	5230	16
	5755	23
	5795	23
802.11ac(20MHz) with Beamforming	5180	17
	5220	17
	5240	17
	5745	24
	5785	24
	5825	24
802.11ac(40MHz) with Beamforming	5190	17
	5230	17
	5755	22
	5795	22
802.11ac(80MHz) with Beamforming	5210	13
	5775	17

2.4. Power vs Data Rate

5GHz Band			
Mode	Date rate	TX & RX Configuration	
802.11g	6 ~ 54Mbps	4TX	4RX
802.11n(20MHz)	MCS 0 ~ 31	4TX	4RX
802.11n(40MHz)	MCS 0 ~ 31	4TX	4RX
802.11ac(20MHz)	MCS 0 ~ 35 NSS=4	4TX	4RX
802.11ac(40MHz)	MCS 0 ~ 39 NSS=4	4TX	4RX
802.11ac(80MHz)	MCS 0 ~ 39 NSS=4	4TX	4RX

Note: We have evaluated low, mid, high data rate, shown in the report is the worst data.

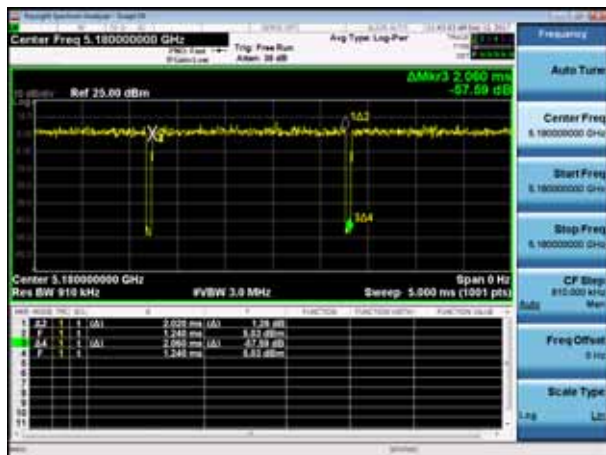
2.5. Duty Cycle

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11a	2.02	0.04	510Hz	2.06	98.06%
802.11 n(20MHz)	4.94	0.06	220Hz	5.00	98.80%
802.11n(40MHz)	4.93	0.07	220Hz	5.00	98.60%
802.11ac(20MHz)	2.37	0.05	430Hz	2.42	97.93%
802.11ac(40MHz)	2.37	0.05	430Hz	2.42	97.93%
802.11ac(80MHz)	1.12	0.058	910Hz	1.178	95.08%

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)



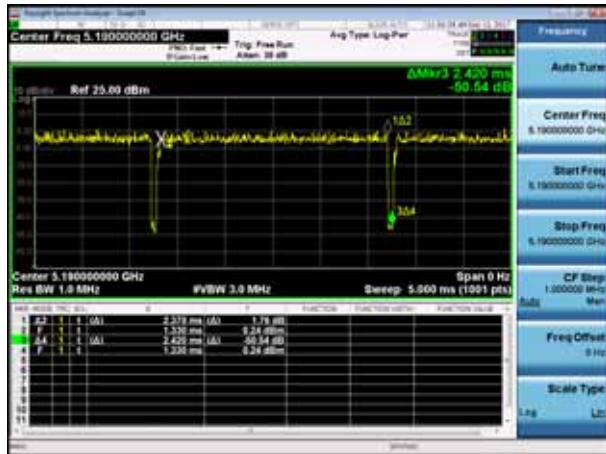
802.11n(40MHz)



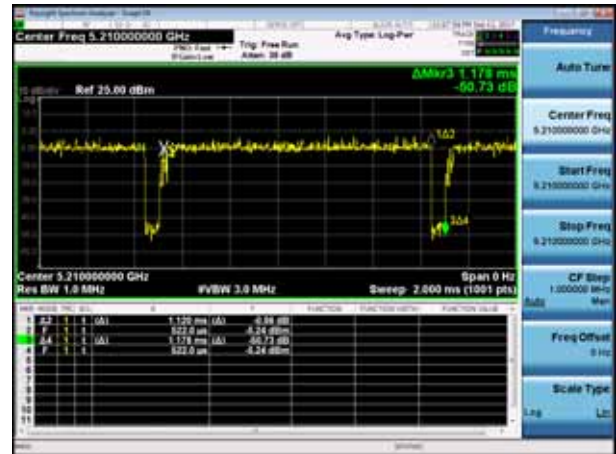
802.11ac(20MHz)



802.11ac(40MHz)



802.11ac(80MHz)



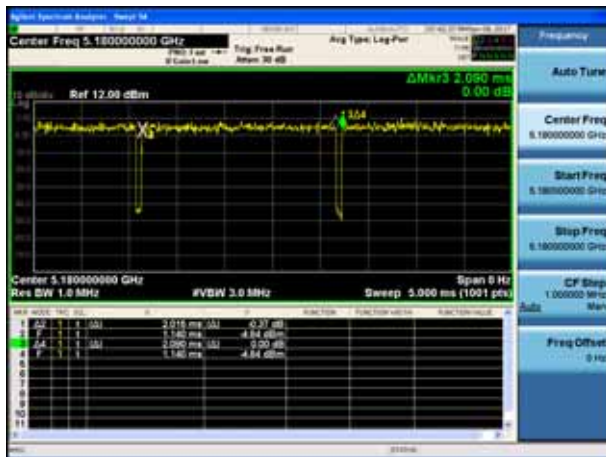
With Beamforming:

Test Mode	Tx On (ms)	Tx Off (ms)	VBW	Tx On + Tx Off (ms)	Duty Cycle
802.11a	2.01	0.08	510Hz	2.09	96.17%
802.11 n(20MHz)	4.94	0.09	220Hz	5.03	98.21%
802.11n(40MHz)	2.37	0.10	430Hz	2.47	95.95%
802.11ac(20MHz)	4.96	0.08	220Hz	5.04	98.41%
802.11ac(40MHz)	2.38	0.10	430Hz	2.48	95.96%
802.11ac(80MHz)	1.10	0.12	910Hz	1.22	90.16%

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.

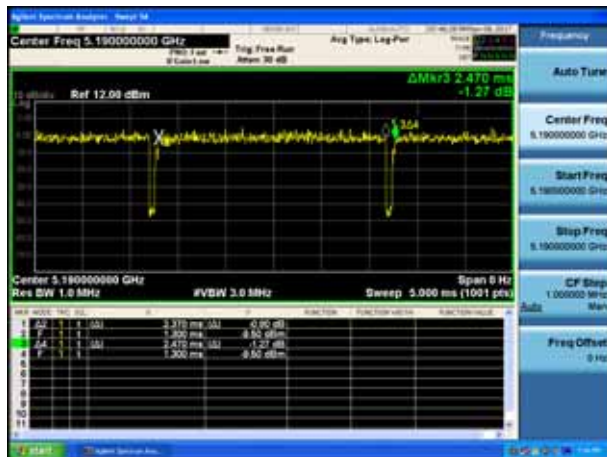
802.11a with Beamforming



802.11n(20MHz) with Beamforming



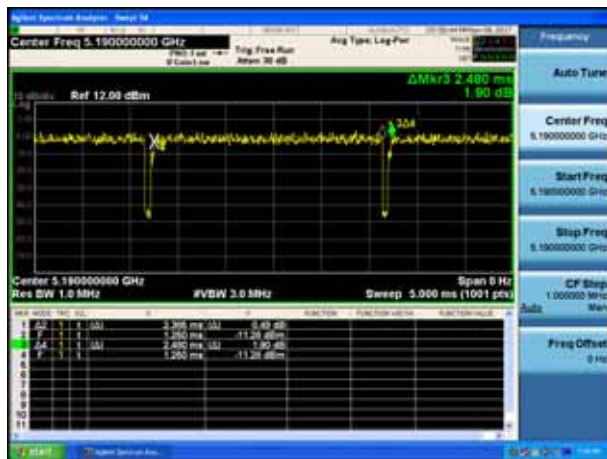
802.11n(40MHz) with Beamforming



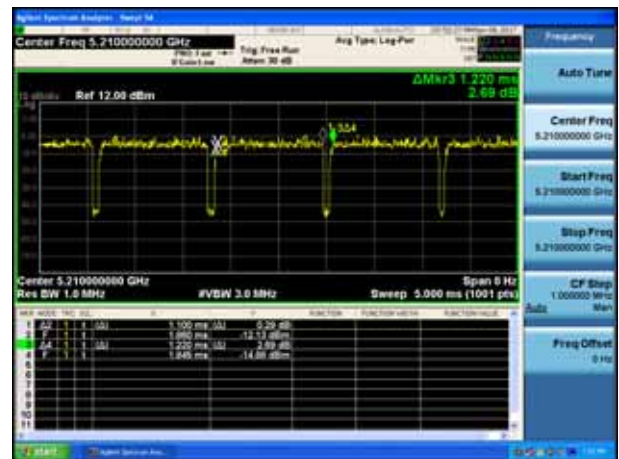
802.11ac(20MHz) with Beamforming



802.11ac(40MHz) with Beamforming



802.11ac(80MHz) with Beamforming



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	$\pm 2.02\text{dB}$
Radiated Emission	Below 1GHz $\pm 3.8\text{ dB}$
	Above 1GHz $\pm 3.9\text{ dB}$
RF Antenna Port Conducted Emission	$\pm 1.27\text{dB}$
Radiated Emission Band Edge	$\pm 3.9\text{dB}$
Occupied Bandwidth	$\pm 1\text{kHz}$
Power Spectral Density	$\pm 1.27\text{dB}$
Frequency Stability	$\pm 100\text{ Hz}$

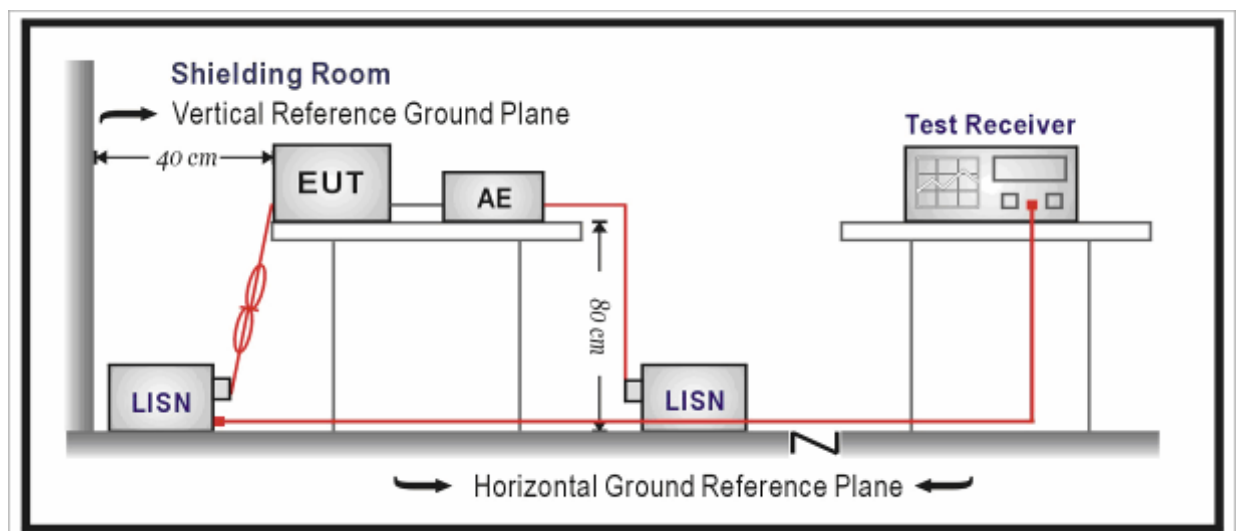
3. Conducted Emission

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	2018.07.15
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	2017.01.04	2018.01.03

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

3.2. Test Setup



3.3. Limit

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

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

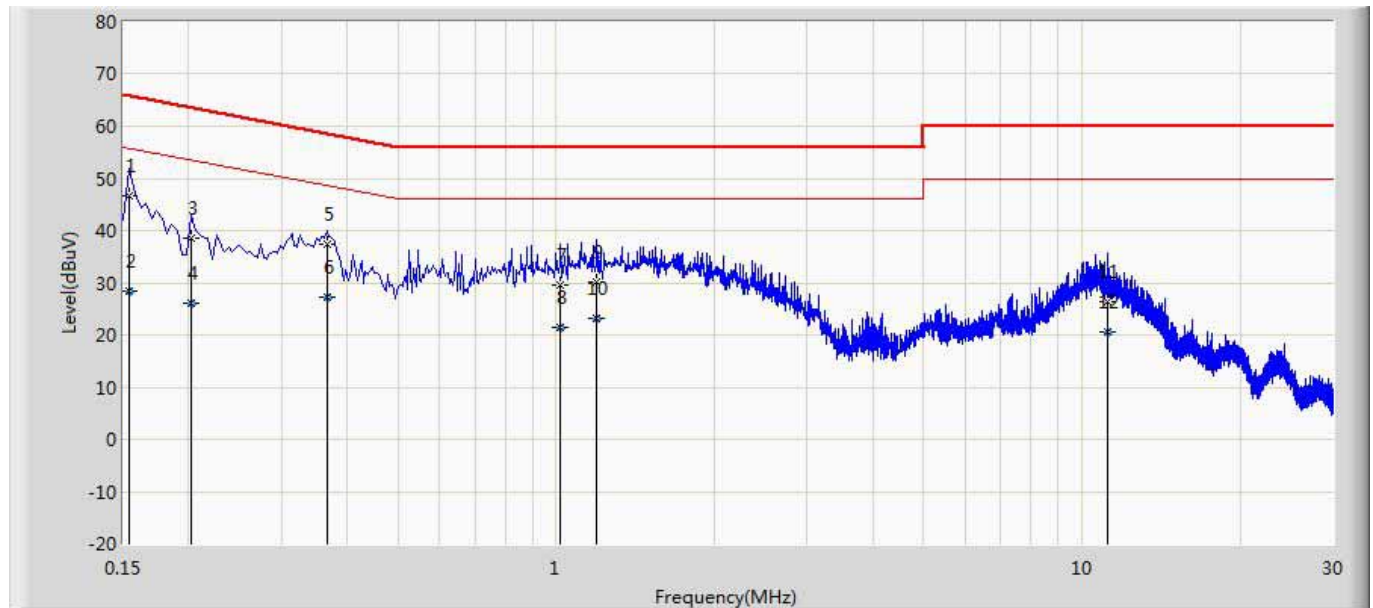
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

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

3.5. Test Result

Engineer: Bob Yu	
Site: TR1	Time: 2017/08/09
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT:Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5180MHz by 802.11a	

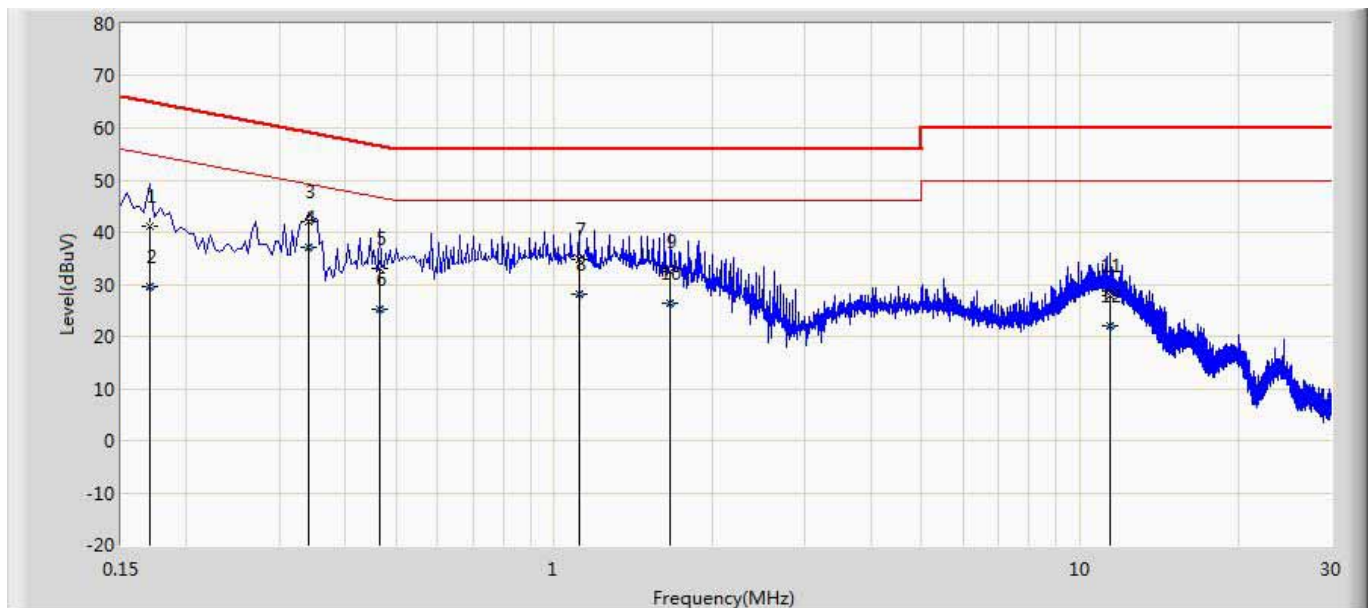


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1	*	0.154	46.766	37.132	-19.015	65.781	9.609	0.025	0.000	QP
2		0.154	28.431	18.797	-27.350	55.781	9.609	0.025	0.000	AV
3		0.202	38.525	28.895	-25.003	63.528	9.601	0.029	0.000	QP
4		0.202	26.185	16.555	-27.343	53.528	9.601	0.029	0.000	AV
5		0.366	37.259	27.623	-21.332	58.591	9.600	0.036	0.000	QP
6		0.366	27.316	17.680	-21.275	48.591	9.600	0.036	0.000	AV
7		1.018	29.521	19.851	-26.479	56.000	9.610	0.060	0.000	QP
8		1.018	21.530	11.860	-24.470	46.000	9.610	0.060	0.000	AV
9		1.194	30.055	20.379	-25.945	56.000	9.610	0.066	0.000	QP
10		1.194	23.059	13.383	-22.941	46.000	9.610	0.066	0.000	AV
11		11.186	26.503	16.489	-33.497	60.000	9.801	0.213	0.000	QP
12		11.186	20.669	10.655	-29.331	50.000	9.801	0.213	0.000	AV

Note:

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

Engineer: Bob Yu	
Site: TR1	Time: 2017/08/09
Limit: FCC_Part15.107_CE_AC Power_ClassB	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT:Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.170	41.145	31.523	-23.816	64.960	9.594	0.027	0.000	QP
2		0.170	29.460	19.839	-25.500	54.960	9.594	0.027	0.000	AV
3		0.342	42.130	32.500	-17.025	59.155	9.595	0.035	0.000	QP
4	*	0.342	36.962	27.332	-12.192	49.155	9.595	0.035	0.000	AV
5		0.466	33.102	23.471	-23.483	56.585	9.591	0.041	0.000	QP
6		0.466	25.309	15.677	-21.276	46.585	9.591	0.041	0.000	AV
7		1.114	34.813	25.159	-21.187	56.000	9.592	0.062	0.000	QP
8		1.114	28.206	18.552	-17.794	46.000	9.592	0.062	0.000	AV
9		1.662	32.439	22.758	-23.561	56.000	9.603	0.079	0.000	QP
10		1.662	26.338	16.656	-19.662	46.000	9.603	0.079	0.000	AV
11		11.418	27.883	17.829	-32.117	60.000	9.838	0.215	0.000	QP
12		11.418	21.967	11.913	-28.033	50.000	9.838	0.215	0.000	AV

Note:

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

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

4. Radiated Emission

4.1. Test Equipment

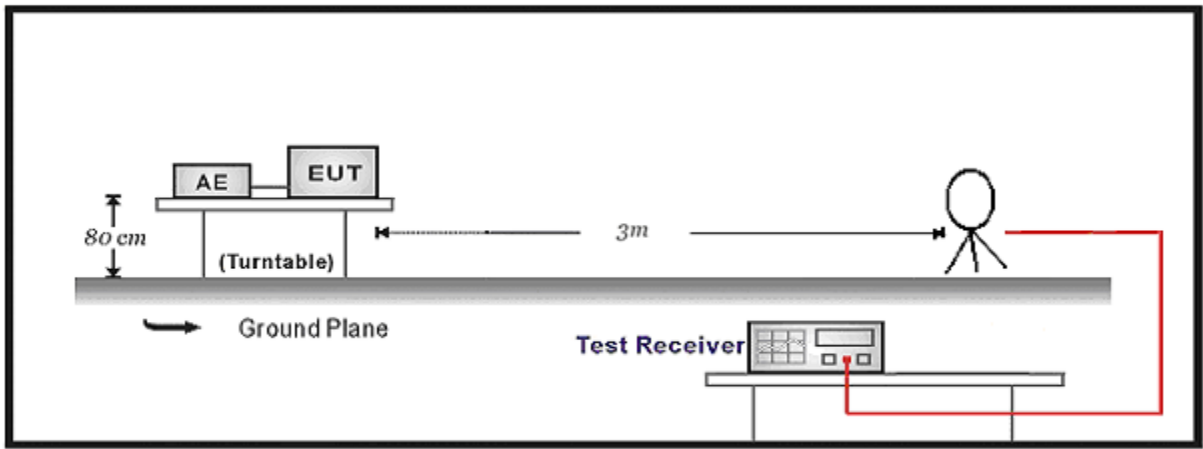
Radiated Emission / AC-2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2017.03.29	2018.03.28
Loop Antenna	R&S	HFH2-Z2	833799/003	2016.11.16	2017.11.15
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2016.10.16	2017.10.15
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2017.03.02	2018.03.01
Temperature/Humidity Meter	Zhichen	ZC1-2	AC2-TH	2017.01.03	2018.01.02

Radiated Emission / AC-5					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
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	2017.01.03	2018.01.02

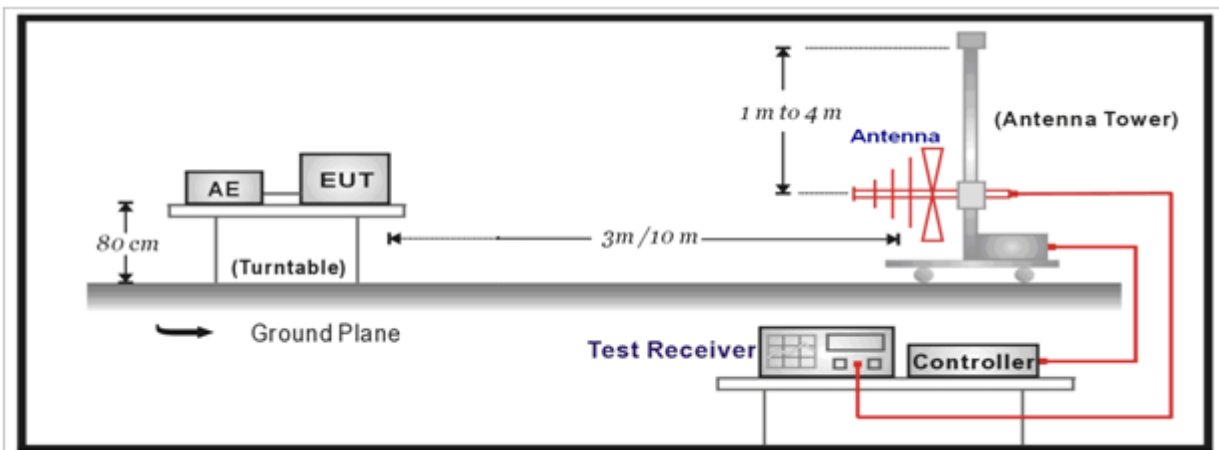
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

4.2. Test Setup

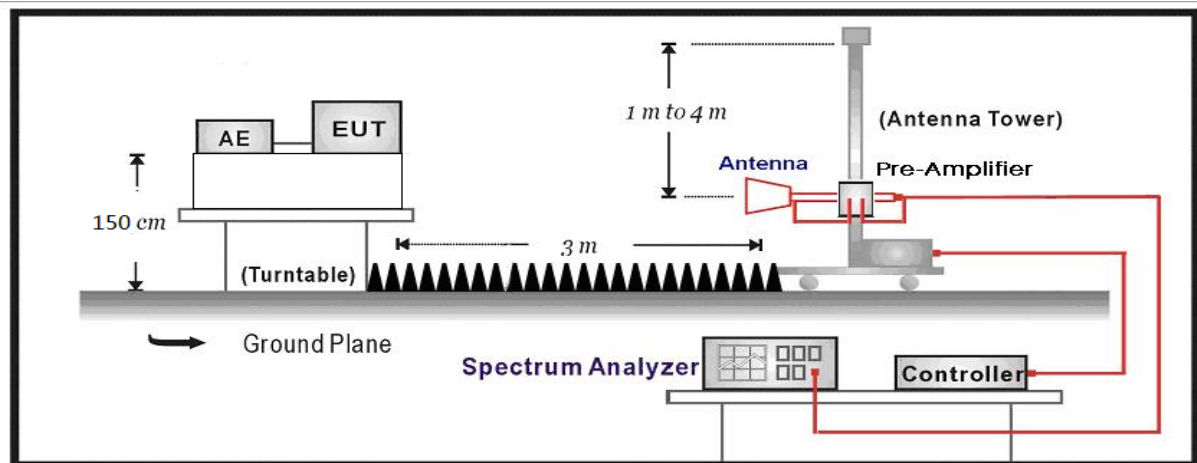
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

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

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

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

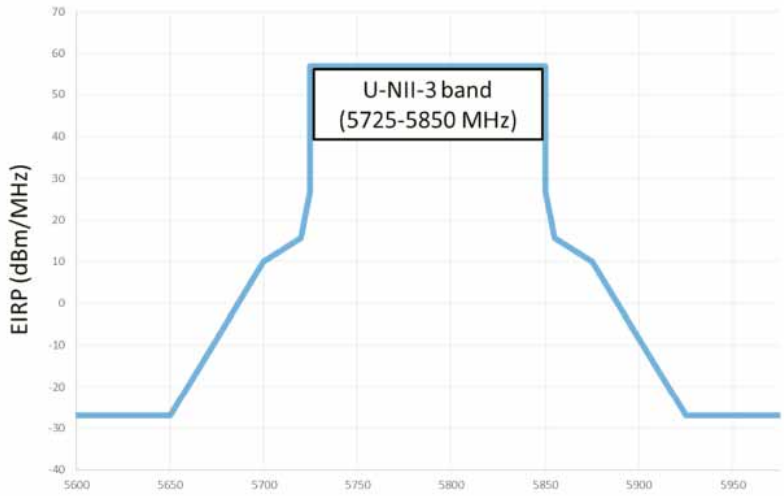
FCC Part 15 Subpart C Paragraph 15.205 (Restricted Band)

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

FCC Part 15 Subpart C Paragraph 15.407(b)(1),(b)(2),(b)(3)

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dB μ V/m)
5150 - 5250	-27	68.3
5250 - 5350	-27	68.3
5470 - 5725	-27	68.3

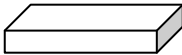
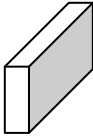
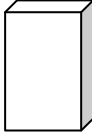
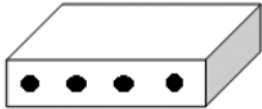
FCC Part 15 Subpart C Paragraph 15.407(b)(4)(i)

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

4.4. Test Procedure

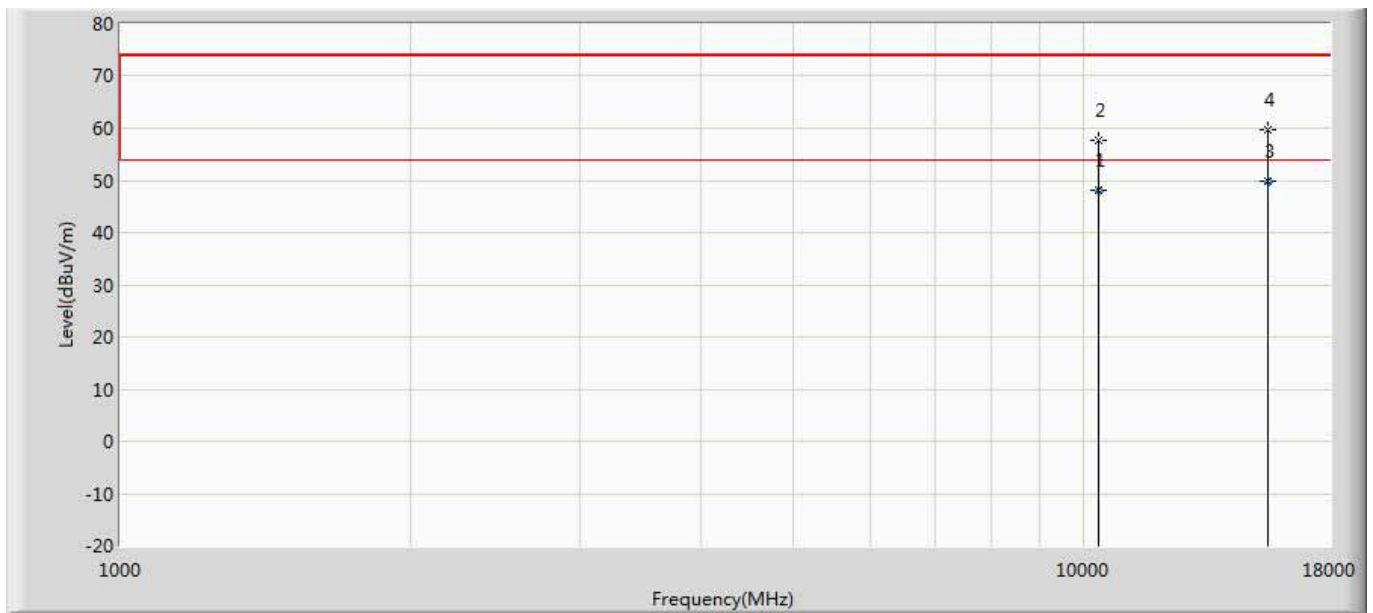
Test Method				
	References Rule		Chapter	Description
<input type="checkbox"/>	ANSI C63.10		12.7.3	Emissions in non-restricted frequency bands
<input checked="" type="checkbox"/>	ANSI C63.10		12.7.2	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/>	ANSI C63.10	12.7.5	Radiated emission measurements
	<input checked="" type="checkbox"/>	ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	<input checked="" type="checkbox"/>	ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	<input type="checkbox"/>	ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	<input checked="" type="checkbox"/>	ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	<input checked="" type="checkbox"/>	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/>	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input checked="" type="checkbox"/>	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
<input type="checkbox"/>	FCC KDB 789033 D02v01r03		G.2	Unwanted Emissions that fall Outside of the Restricted Bands
<input type="checkbox"/>	FCC KDB 789033 D02v01r03		G.1	Unwanted Emissions in the Restricted Bands
	<input type="checkbox"/>	FCC KDB 789033 D02v01r03	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	<input type="checkbox"/>	FCC KDB 789033 D02v01r03	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	<input type="checkbox"/>	FCC KDB 789033 D02v01r03	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz
	<input type="checkbox"/>	FCC KDB 789033 D02v01r03	G.6.c	Method AD (Average detection)—primary method
	<input type="checkbox"/>	FCC KDB 789033 D02v01r03	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.5. EUT test Axis definition

Item	Radiated Emission			
Device Category	<input type="checkbox"/>	Outdoor AP		
	<input checked="" type="checkbox"/>	Indoor AP		
	<input type="checkbox"/>	Fixed point-to-point AP		
	<input type="checkbox"/>	Outdoor fixed point-to-multipoint AP		
	<input type="checkbox"/>	Client		
Test mode	Mode 1-12			
Test method	<input checked="" type="checkbox"/>	Radiated		
		X Axis	Y Axis	Z Axis
				
		Worst Axis <input checked="" type="checkbox"/>	Worst Axis <input type="checkbox"/>	Worst Axis <input type="checkbox"/>
	<input type="checkbox"/>	Conducted		
	<input type="checkbox"/>	Chain 1	Chain 2	Chain 3
				

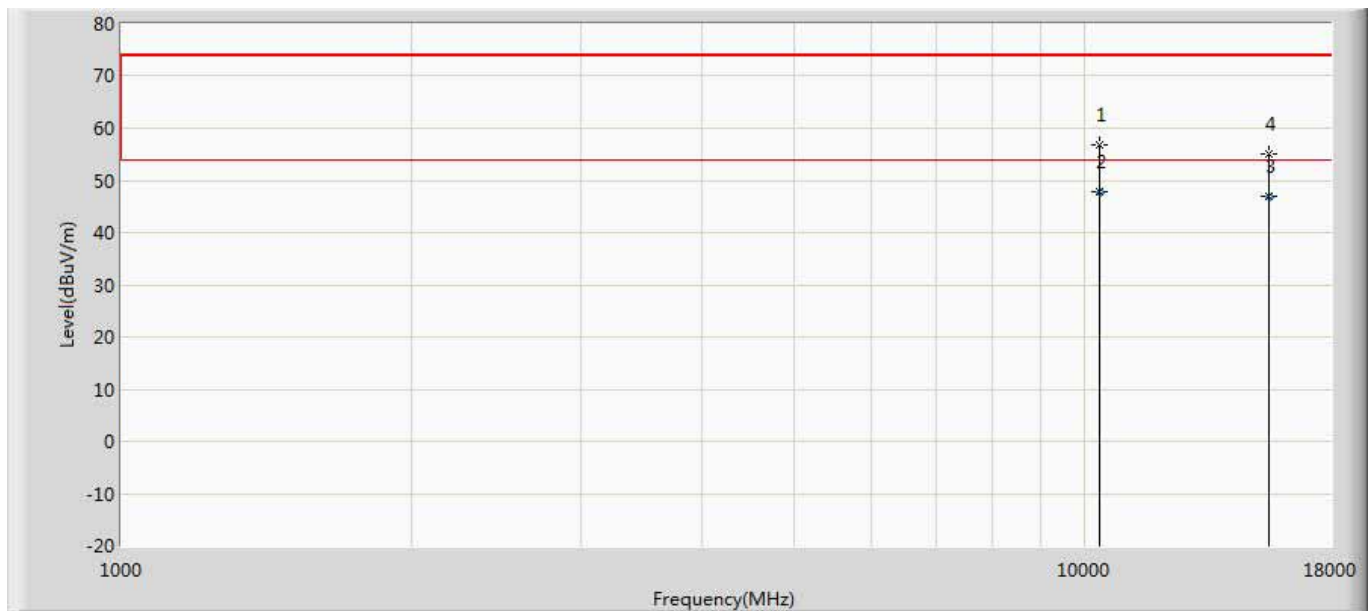
4.6. Test Result

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5180MHz by 11A	



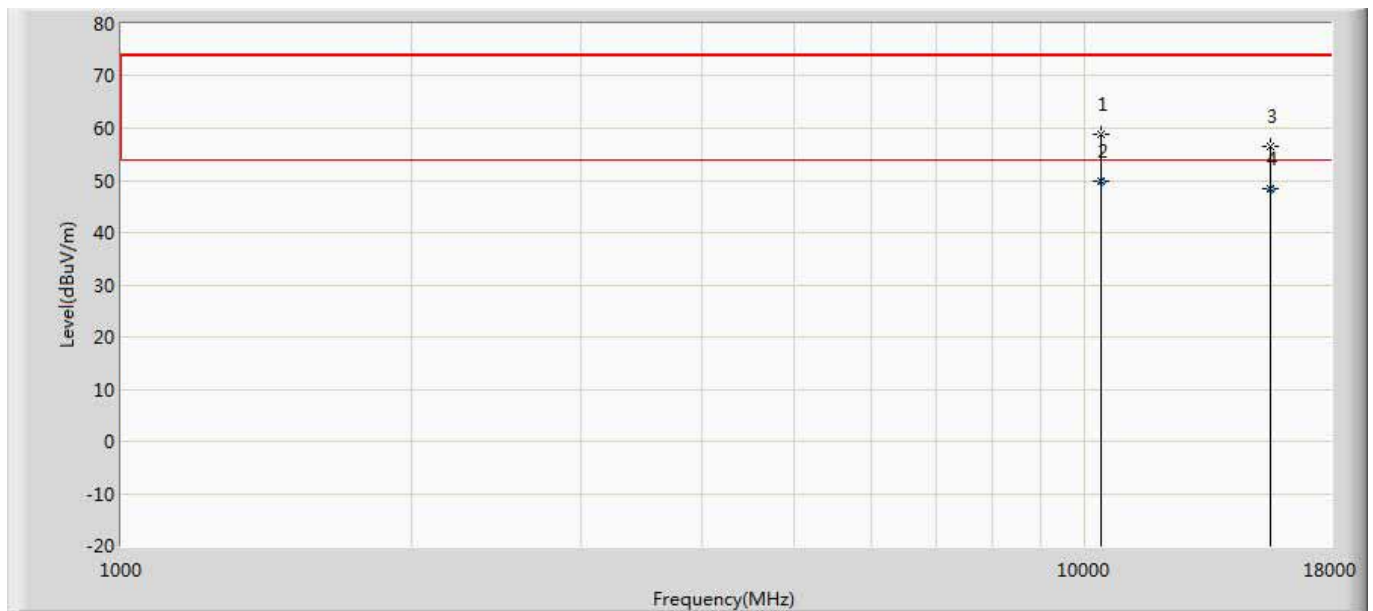
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10362.652	48.224	40.995	-5.776	54.000	7.230	AV
2		10367.000	57.597	50.034	-16.403	74.000	7.563	PK
3	*	15542.430	49.768	34.251	-4.232	54.000	15.517	AV
4		15543.500	59.669	44.207	-14.331	74.000	15.462	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5180MHz by 11A	



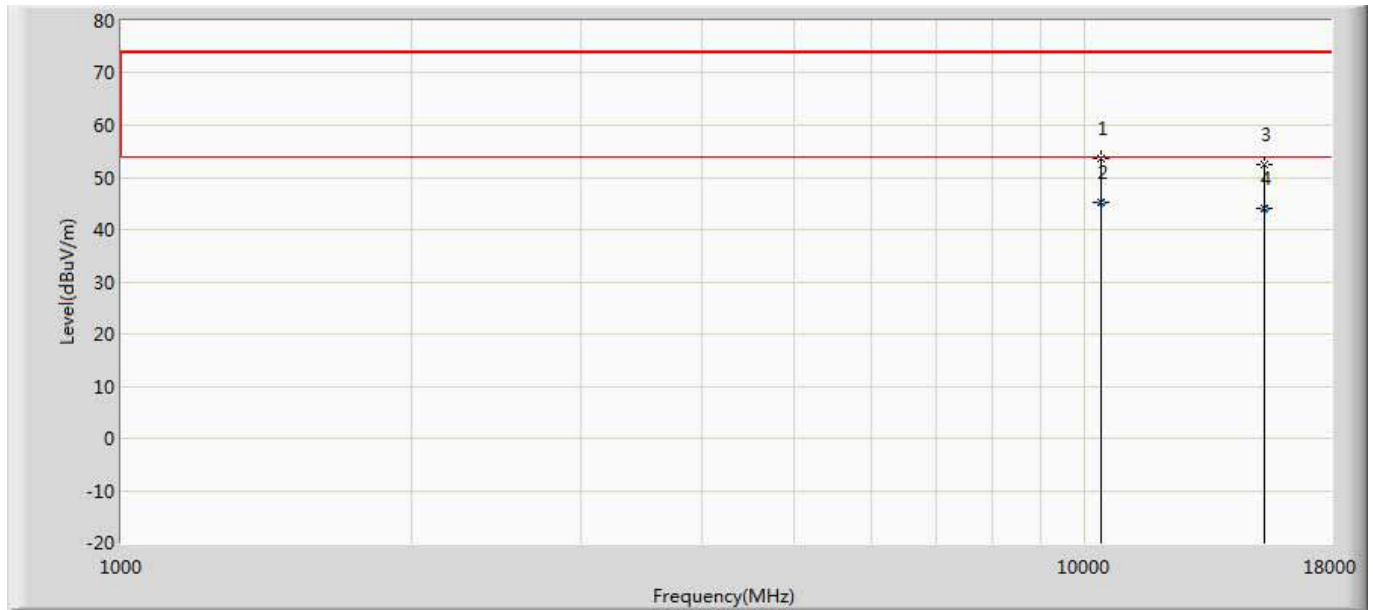
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10367.000	56.701	49.138	-17.299	74.000	7.563	PK
2	*	10367.025	47.818	40.256	-6.182	54.000	7.562	AV
3		15534.290	47.087	31.205	-6.913	54.000	15.881	AV
4		15535.000	55.049	39.150	-18.951	74.000	15.899	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5200MHz by 11A	



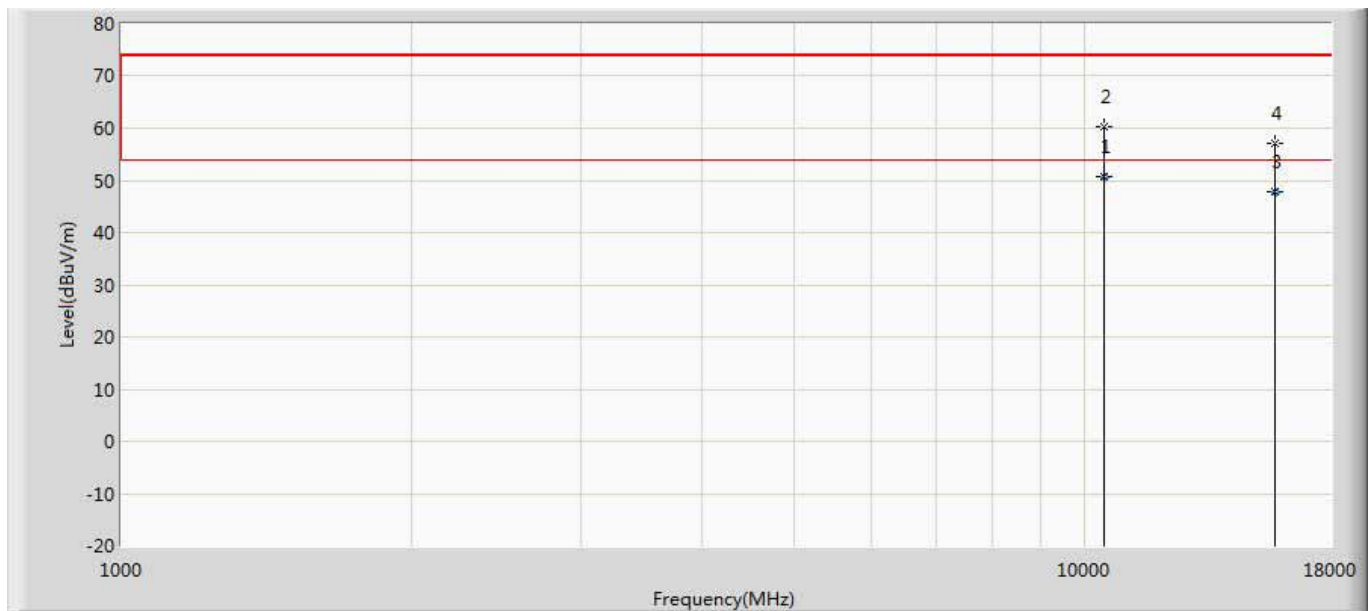
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10401.000	58.872	52.683	-15.128	74.000	6.189	PK
2	*	10401.200	49.750	43.553	-4.250	54.000	6.196	AV
3		15603.000	56.402	40.572	-17.598	74.000	15.830	PK
4		15603.100	48.303	32.471	-5.697	54.000	15.832	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5200MHz by 11A	



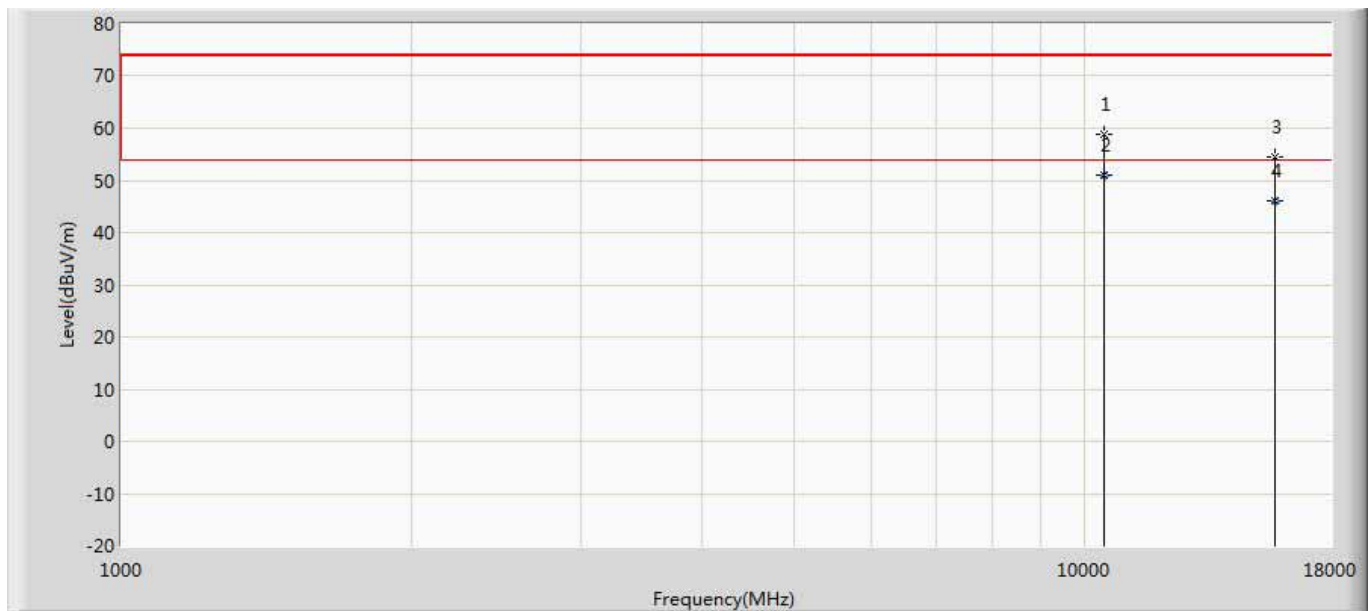
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10392.5	53.365	46.75	-20.635	74	6.615	PK
2	*	10392.748	42.842	36.24	-11.158	54	6.602	AV
3		15373.502	52.299	36.92	-21.701	74	15.379	PK
4		15373.912	44.033	28.65	-9.967	54	15.383	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5240MHz by 11A	



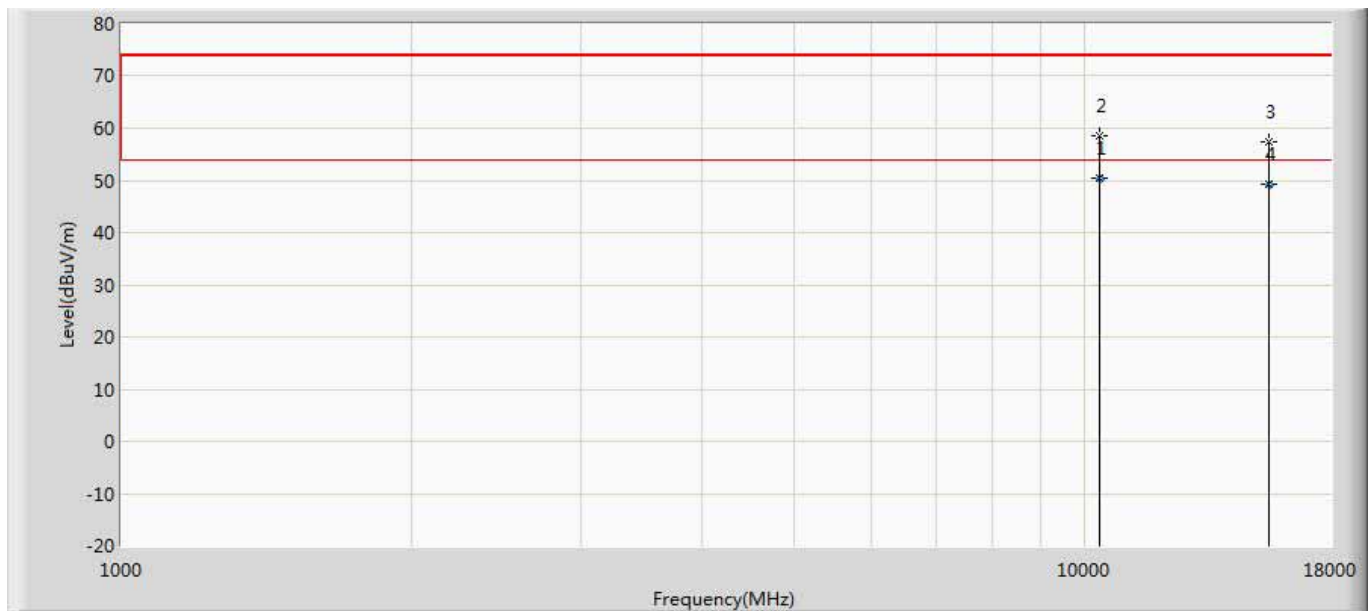
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10477.450	50.830	43.165	-3.170	54.000	7.665	AV
2		10477.500	60.184	52.517	-13.816	74.000	7.666	PK
3		15730.450	47.937	32.078	-6.063	54.000	15.859	AV
4		15730.500	56.958	41.099	-17.042	74.000	15.860	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5240MHz by 11A	



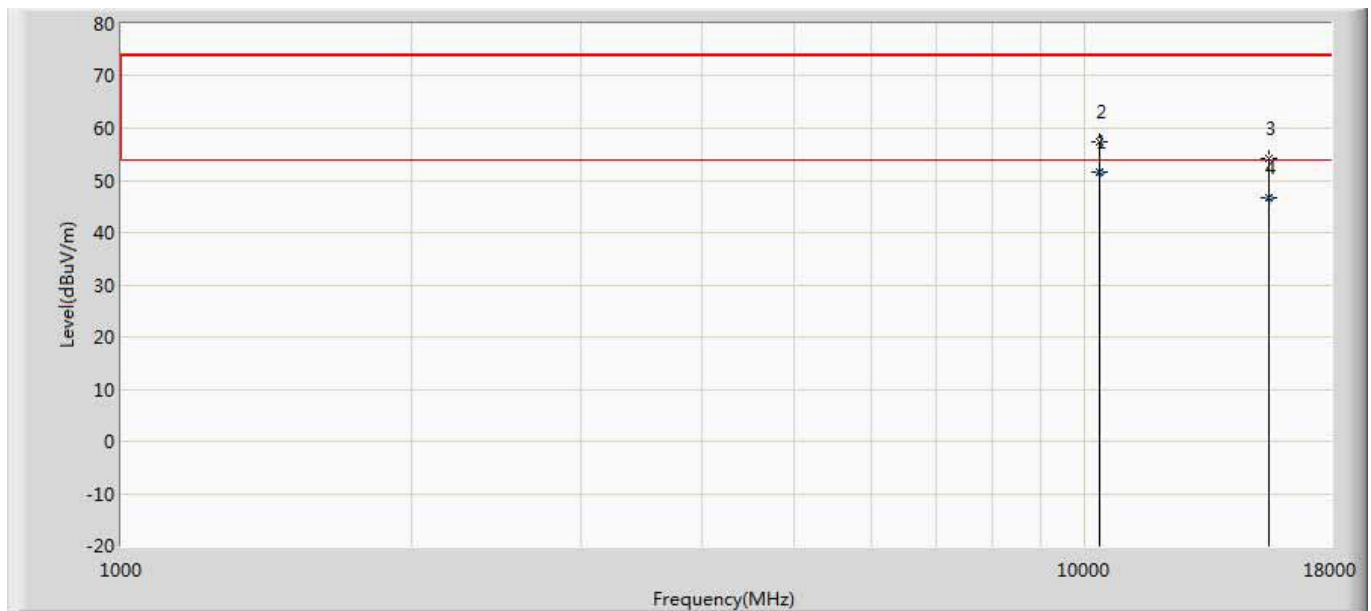
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10477.500	58.961	51.295	-15.039	74.000	7.666	PK
2	*	10477.520	51.032	43.365	-2.968	54.000	7.668	AV
3		15722.000	54.475	38.537	-19.525	74.000	15.938	PK
4		15722.320	46.204	30.269	-7.796	54.000	15.934	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5180MHz by 11n20	



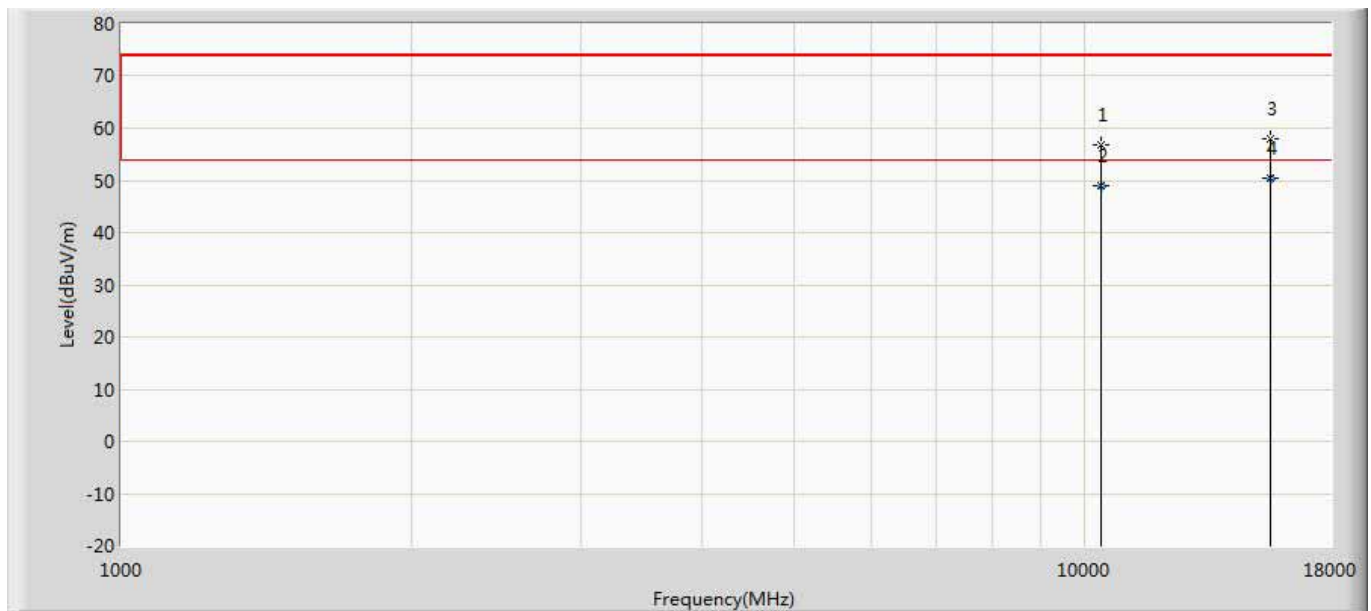
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10358.230	50.540	43.650	-3.460	54.000	6.890	AV
2		10358.500	58.581	51.670	-15.419	74.000	6.910	PK
3		15535.000	57.353	41.454	-16.647	74.000	15.899	PK
4		15535.890	49.403	33.550	-4.597	54.000	15.853	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5180MHz by 11n20	



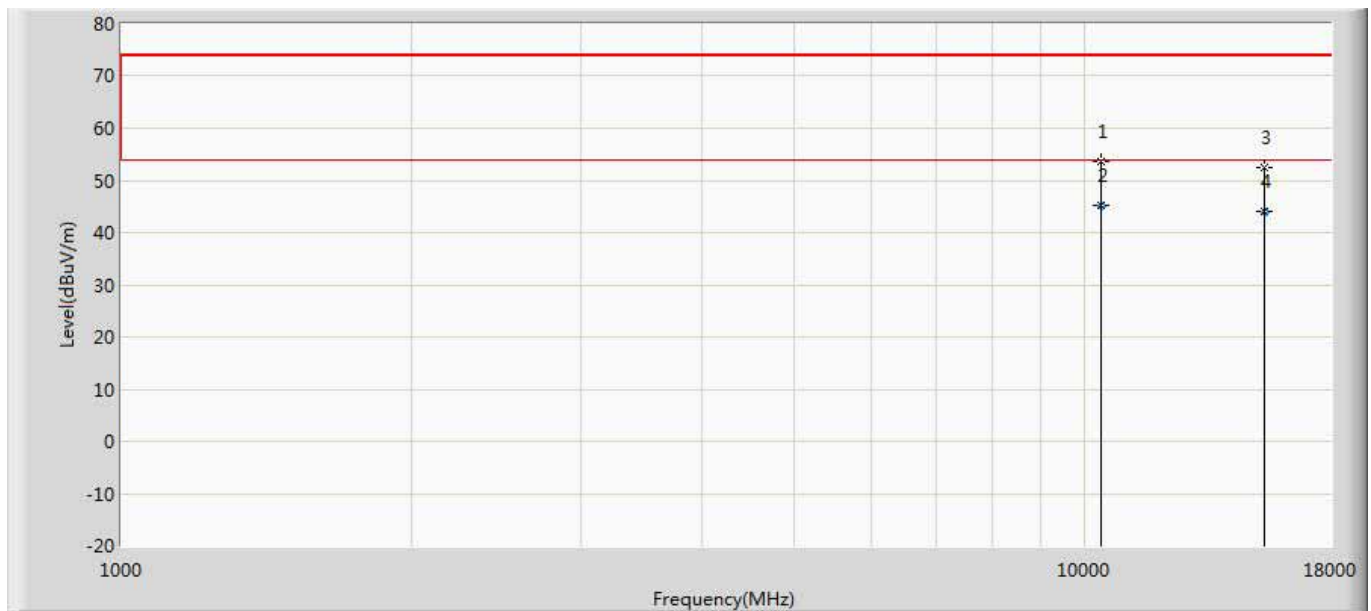
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10358.480	51.469	44.560	-2.531	54.000	6.908	AV
2		10358.500	57.483	50.572	-16.517	74.000	6.910	PK
3		15535.000	54.307	38.408	-19.693	74.000	15.899	PK
4		15535.120	46.763	30.870	-7.237	54.000	15.892	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5200MHz by 11n20	



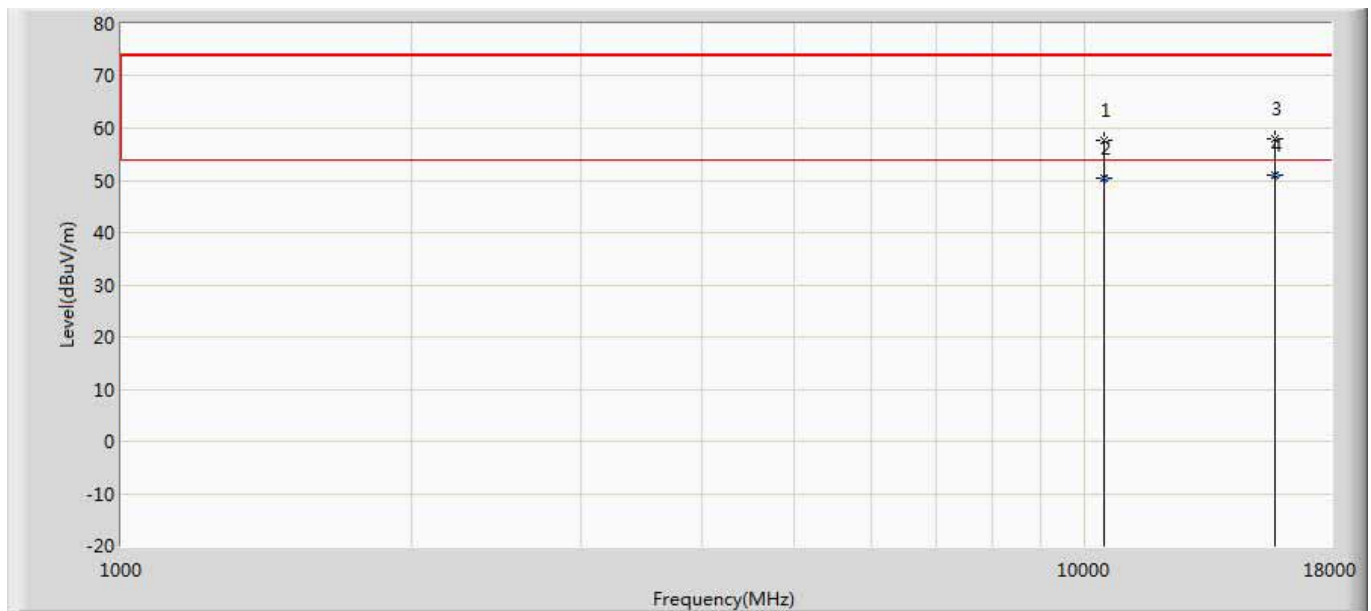
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10401.000	56.814	50.625	-17.186	74.000	6.189	PK
2		10401.120	49.044	42.850	-4.956	54.000	6.194	AV
3		15603.000	58.096	42.266	-15.904	74.000	15.830	PK
4	*	15603.780	50.435	34.590	-3.565	54.000	15.845	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5200MHz by 11n20	



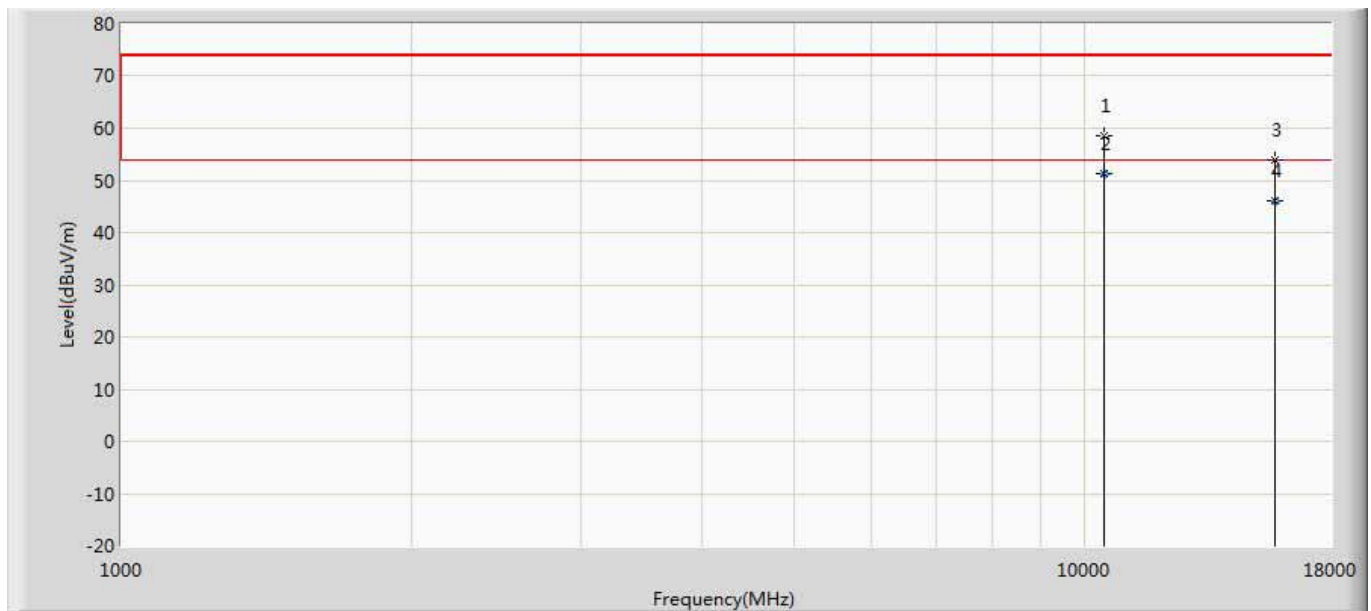
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10392.500	53.595	46.981	-20.405	74.000	6.615	PK
2	*	10392.750	45.261	38.660	-8.739	54.000	6.602	AV
3		15373.500	52.339	36.960	-21.661	74.000	15.379	PK
4		15373.890	44.173	28.790	-9.827	54.000	15.383	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5240MHz by 11n20	



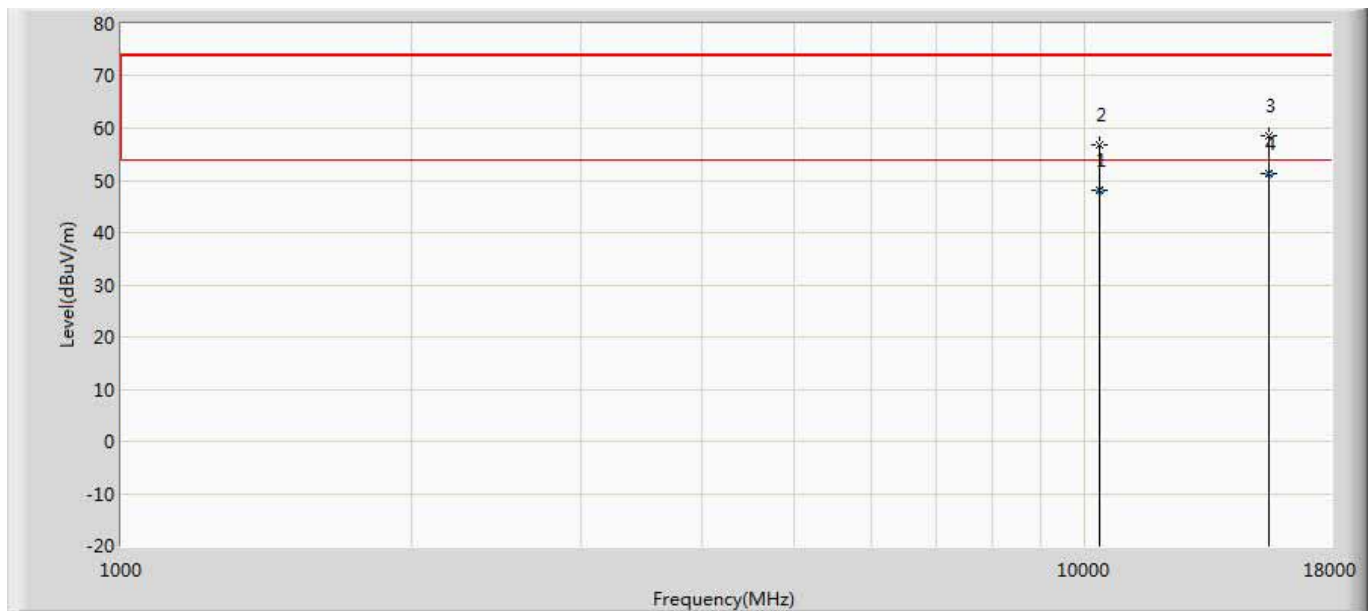
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10477.500	57.700	50.034	-16.300	74.000	7.666	PK
2		10477.560	50.548	42.880	-3.452	54.000	7.668	AV
3		15722.000	58.041	42.103	-15.959	74.000	15.938	PK
4	*	15722.360	50.895	34.960	-3.105	54.000	15.935	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5240MHz by 11n20	



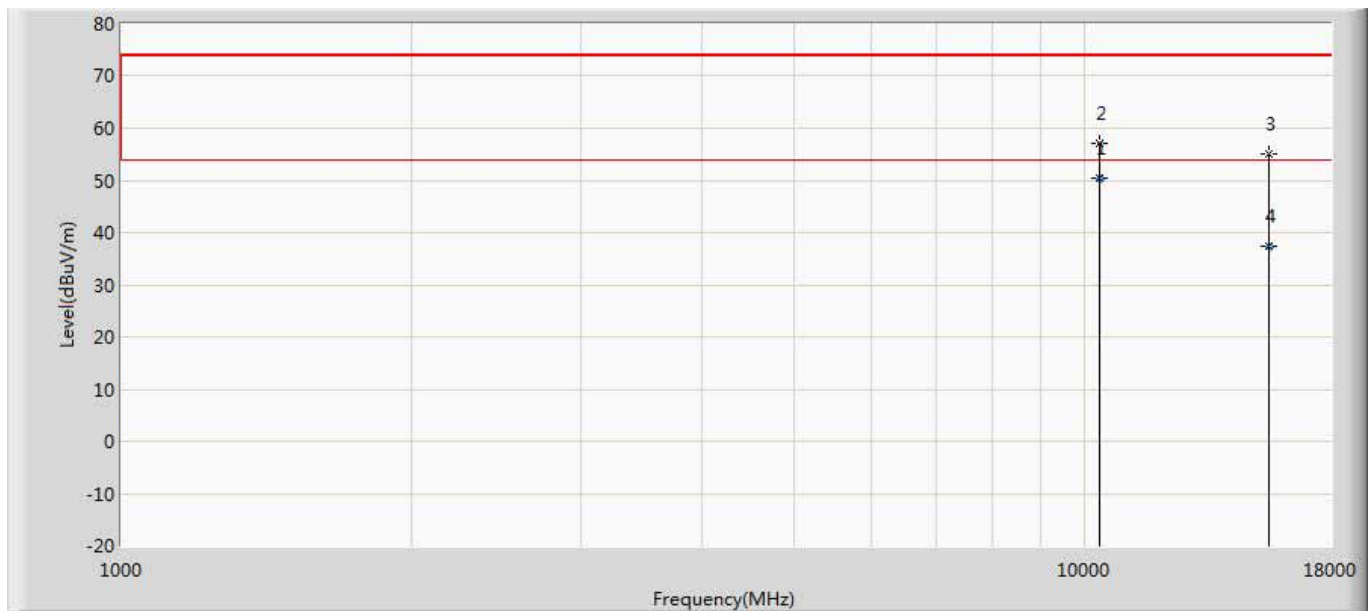
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10477.500	58.518	50.852	-15.482	74.000	7.666	PK
2	*	10477.660	51.430	43.760	-2.570	54.000	7.671	AV
3		15722.000	54.035	38.097	-19.965	74.000	15.938	PK
4		15722.770	45.955	30.024	-8.045	54.000	15.931	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5180MHz by 11ac20	



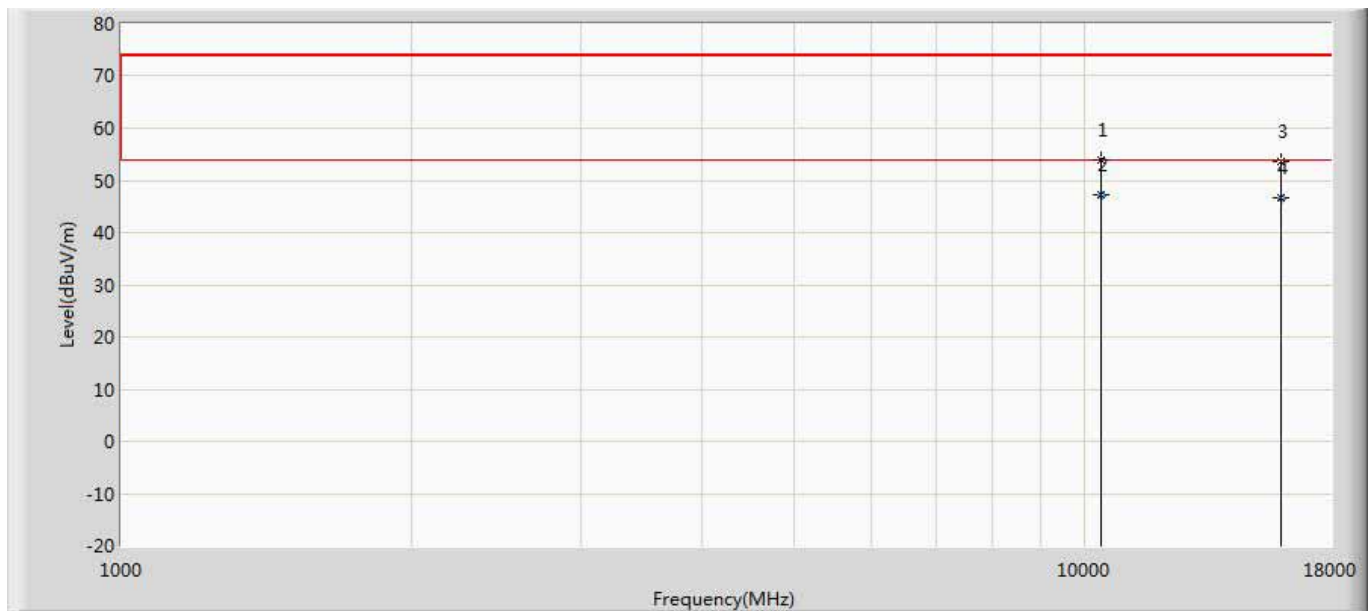
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10358.450	48.163	41.256	-5.837	54.000	6.906	AV
2		10358.500	56.674	49.763	-17.326	74.000	6.910	PK
3		15543.500	58.542	43.080	-15.458	74.000	15.462	PK
4	*	15543.580	51.328	35.870	-2.672	54.000	15.458	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5180MHz by 11ac20	



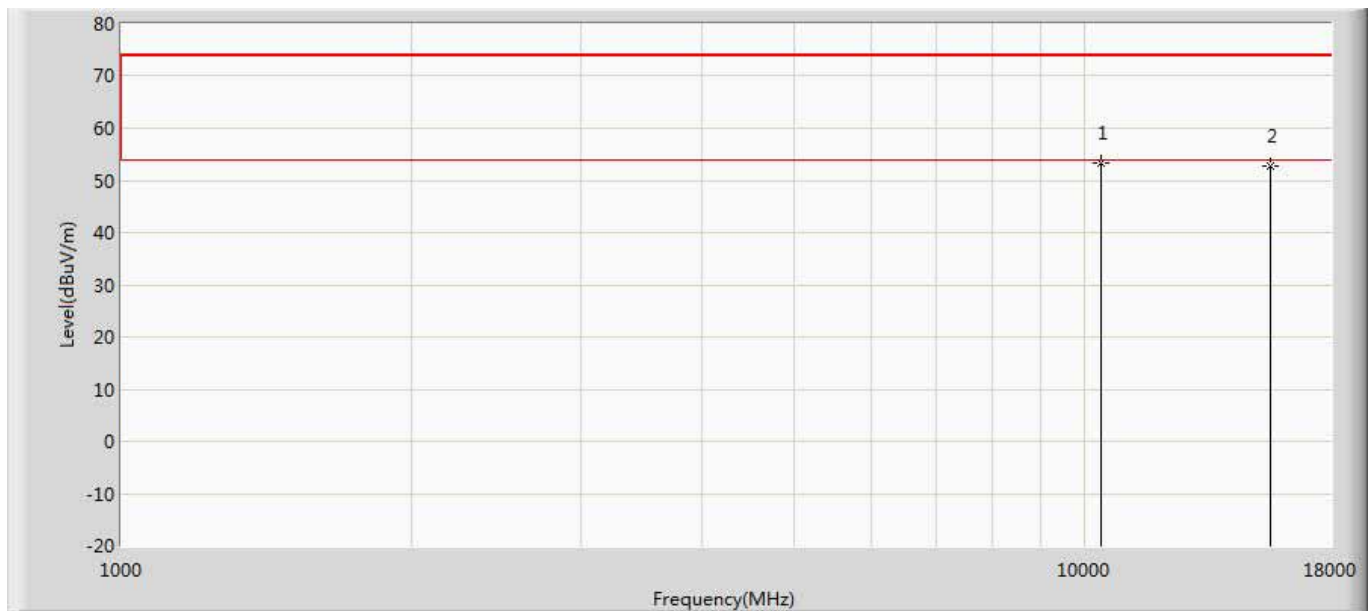
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10358.460	50.578	43.670	-3.422	54.000	6.907	AV
2		10358.500	57.018	50.107	-16.982	74.000	6.910	PK
3		15535.000	54.935	39.036	-19.065	74.000	15.899	PK
4		15535.120	37.383	21.490	-16.617	54.000	15.892	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5200MHz by 11ac20	



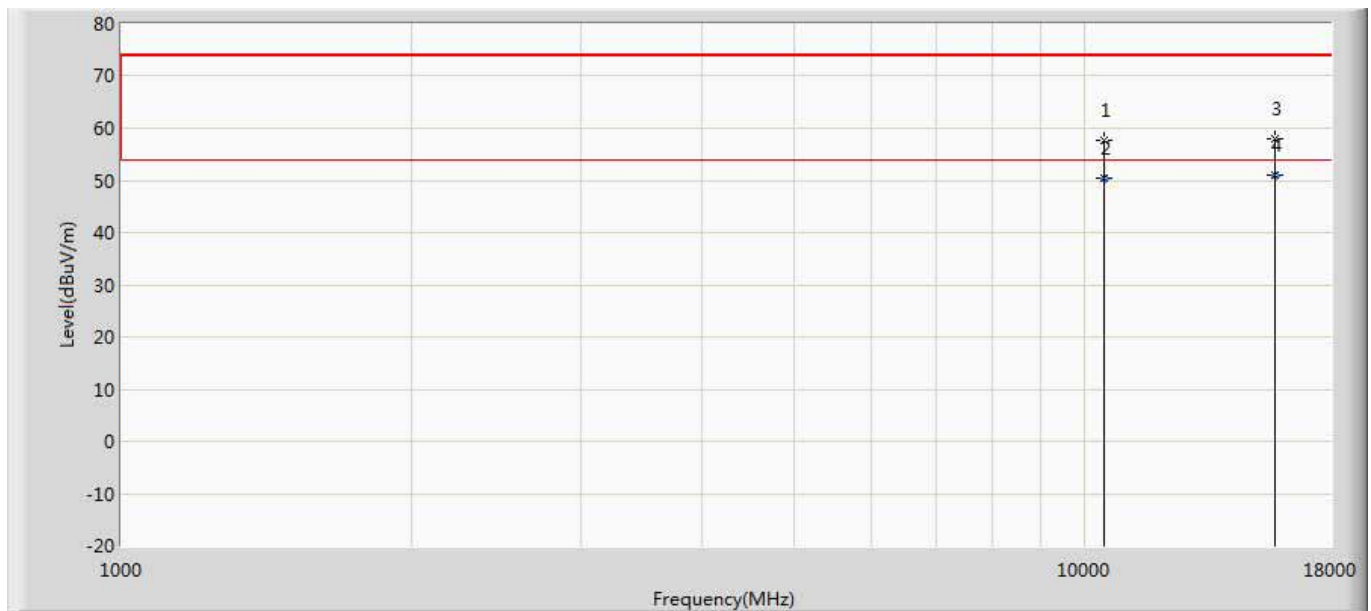
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10392.500	53.940	47.326	-20.060	74.000	6.615	PK
2	*	10392.600	47.169	40.560	-6.831	54.000	6.609	AV
3		15994.000	53.538	36.286	-20.462	74.000	17.252	PK
4		15994.120	46.698	29.450	-7.302	54.000	17.248	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5200MHz by 11ac20	



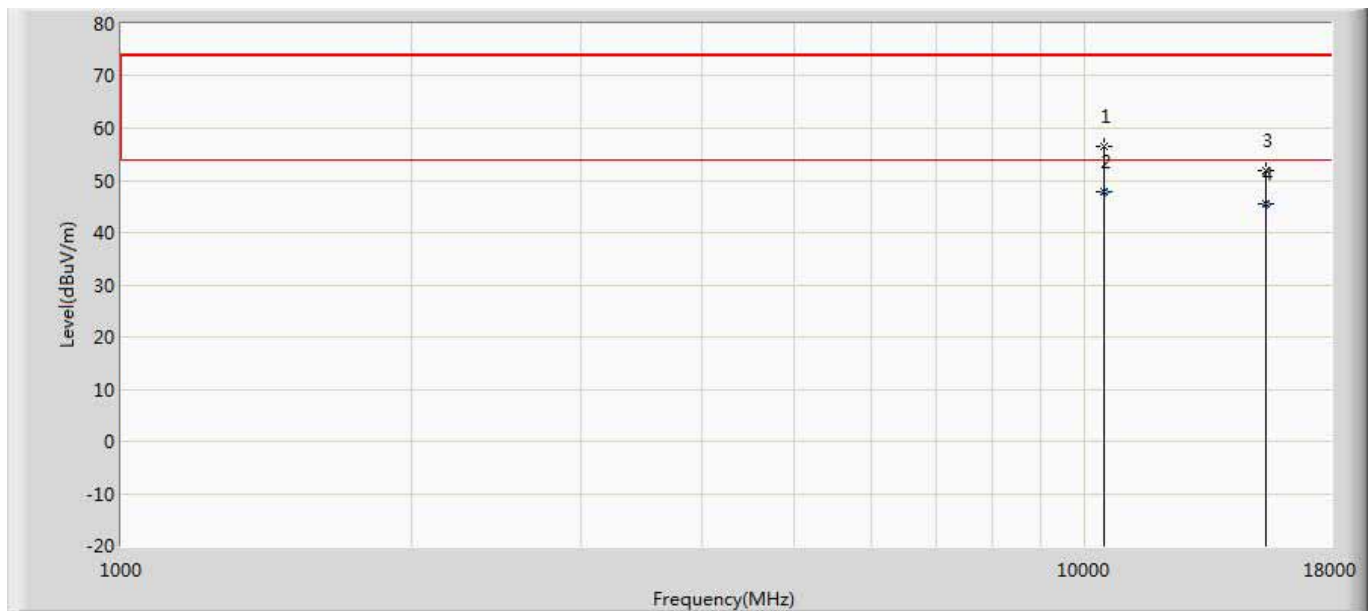
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10409.500	53.295	46.782	-20.705	74.000	6.513	PK
2		15603.000	52.691	36.861	-21.309	74.000	15.830	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5240MHz by 11ac20	



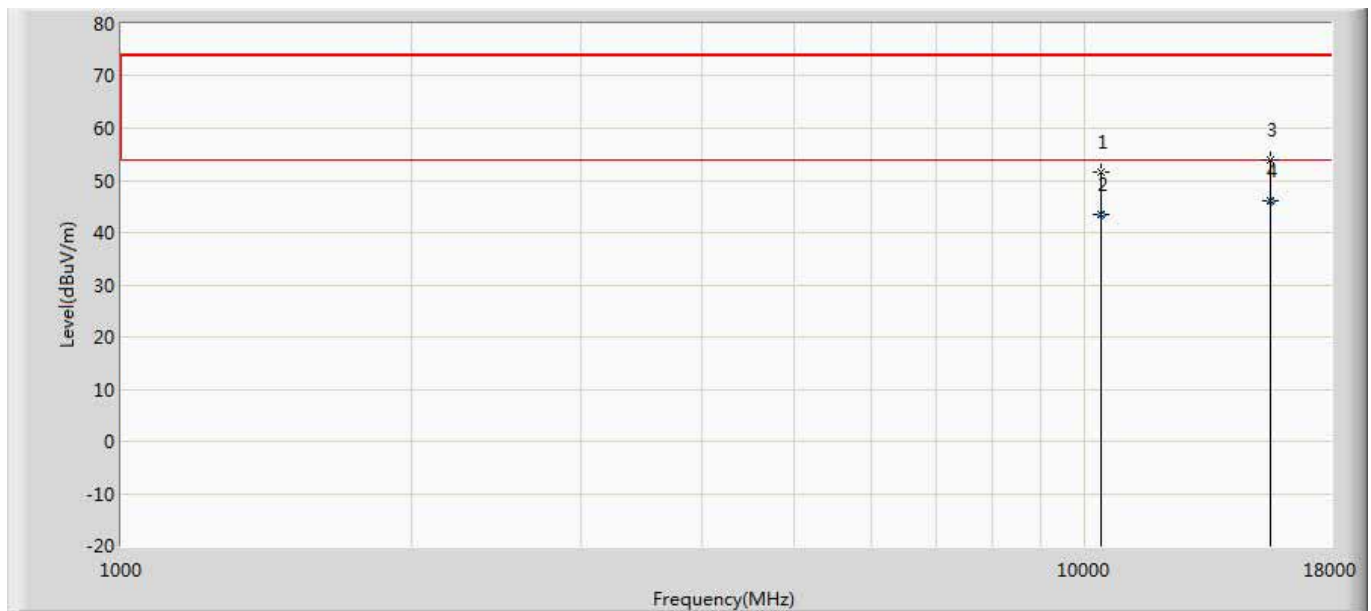
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10186.860	49.758	42.560	-4.242	54.000	7.198	AV
2		10486.000	58.014	50.144	-15.986	74.000	7.870	PK
3		15722.000	58.218	42.280	-15.782	74.000	15.938	PK
4	*	15722.460	51.574	35.640	-2.426	54.000	15.935	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5240MHz by 11ac20	



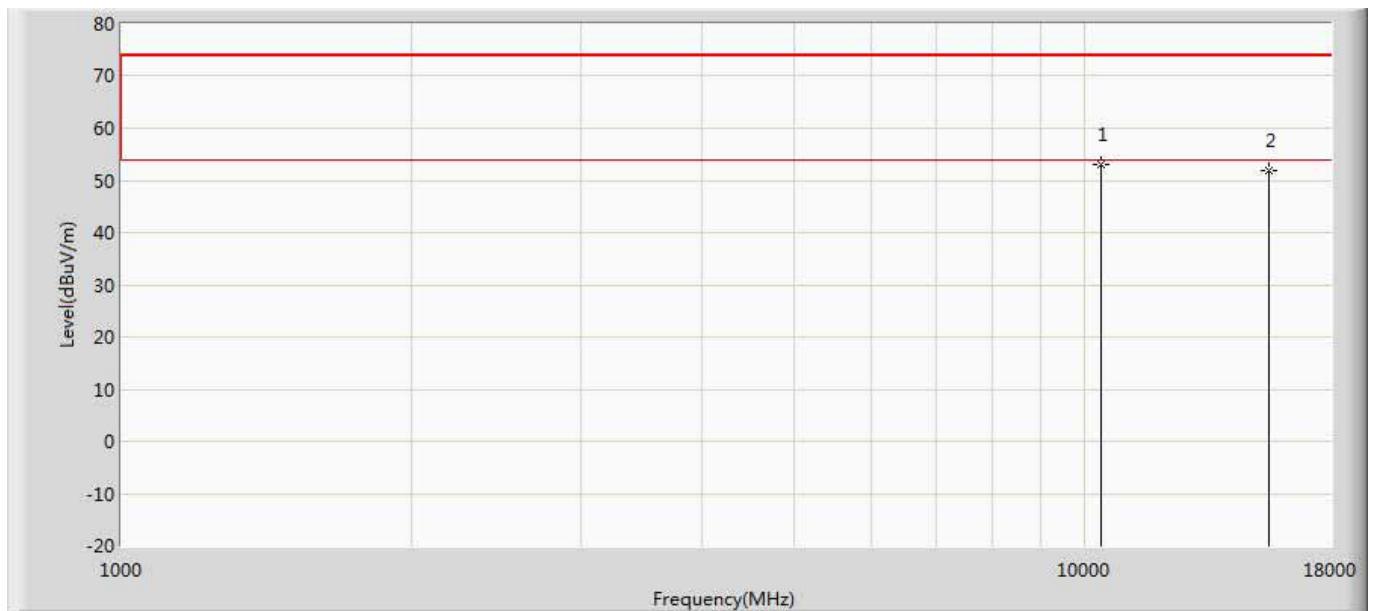
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10477.500	56.628	48.962	-17.372	74.000	7.666	PK
2	*	10477.580	47.928	40.260	-6.072	54.000	7.669	AV
3		15399.000	51.916	35.480	-22.084	74.000	16.436	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5190MHz by 11n40	



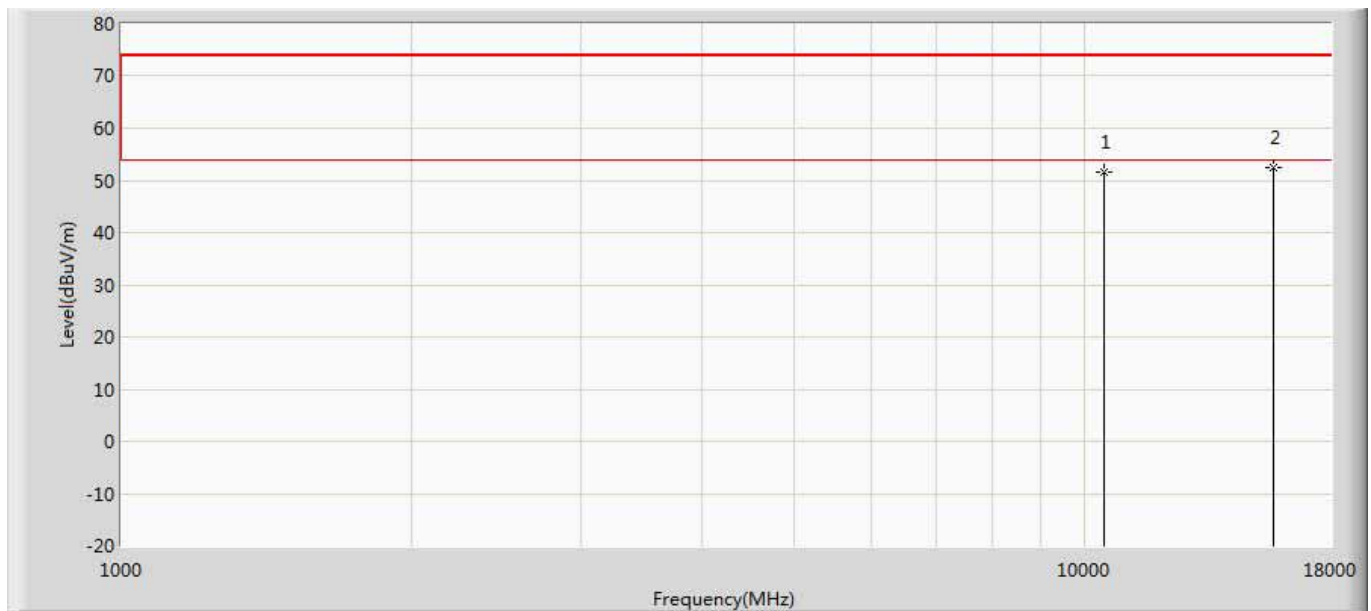
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10384.000	51.603	44.564	-22.397	74.000	7.039	PK
2		10384.230	43.548	36.520	-10.452	54.000	7.027	AV
3		15569.000	53.990	38.764	-20.010	74.000	15.226	PK
4	*	15569.310	46.111	30.894	-7.889	54.000	15.217	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5190MHz by 11n40	



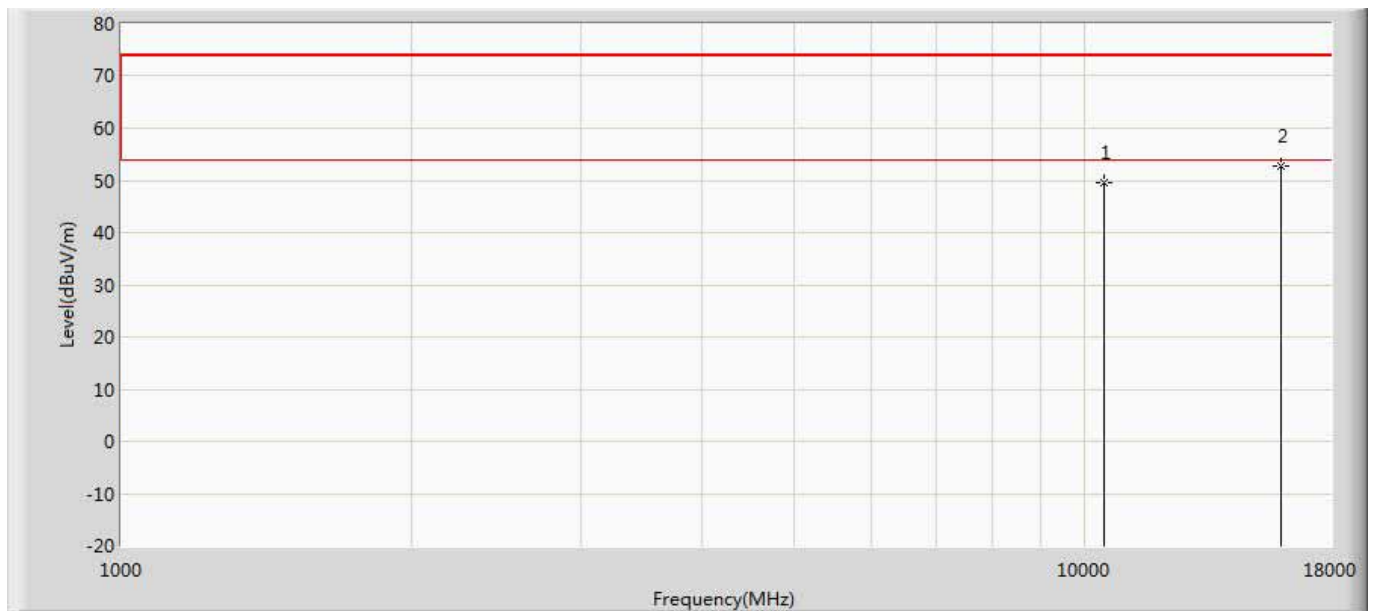
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10384.000	53.062	46.023	-20.938	74.000	7.039	PK
2		15501.000	51.852	36.121	-22.148	74.000	15.731	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5230MHz by 11n40	



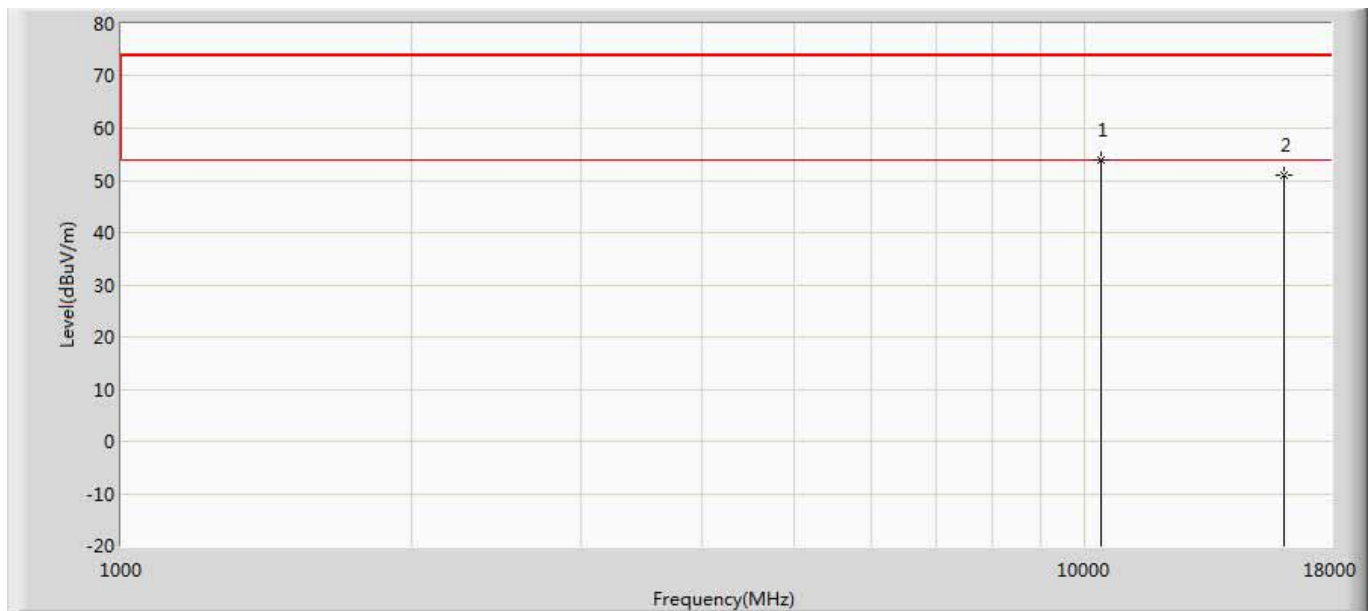
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10469.000	51.557	44.094	-22.443	74.000	7.463	PK
2	*	15671.000	52.523	37.443	-21.477	74.000	15.080	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5230MHz by 11n40	



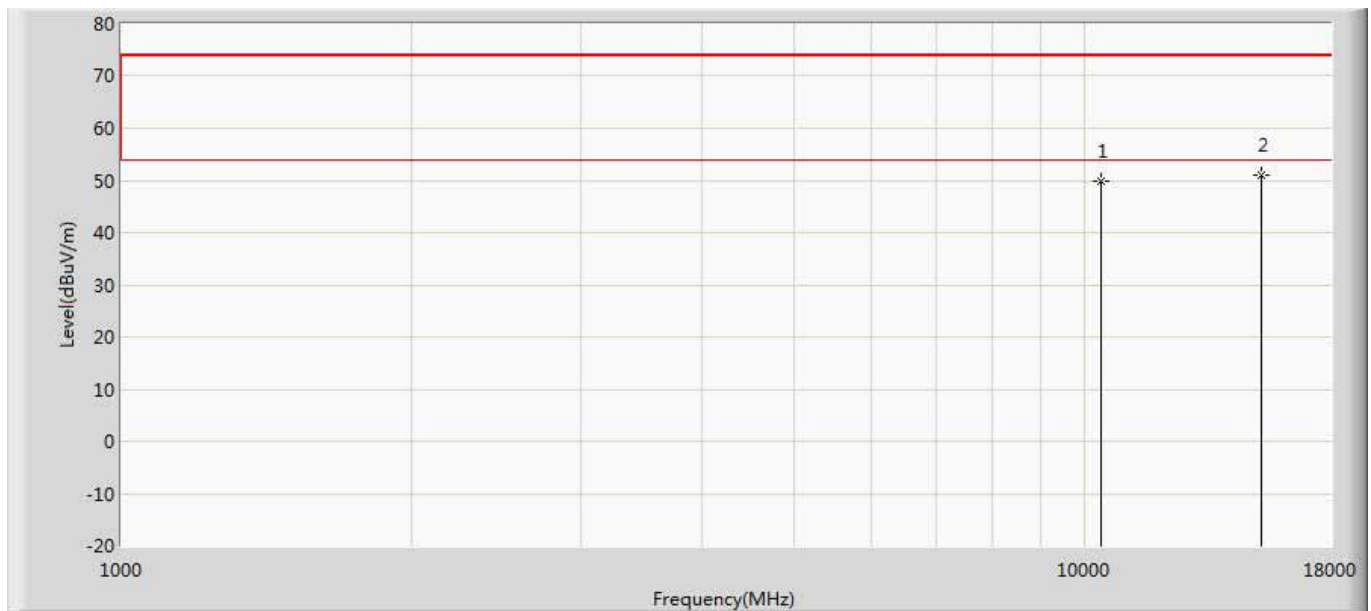
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10469.000	49.701	42.238	-24.299	74.000	7.463	PK
2	*	16002.500	52.782	35.812	-21.218	74.000	16.971	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5190MHz by 11ac40	



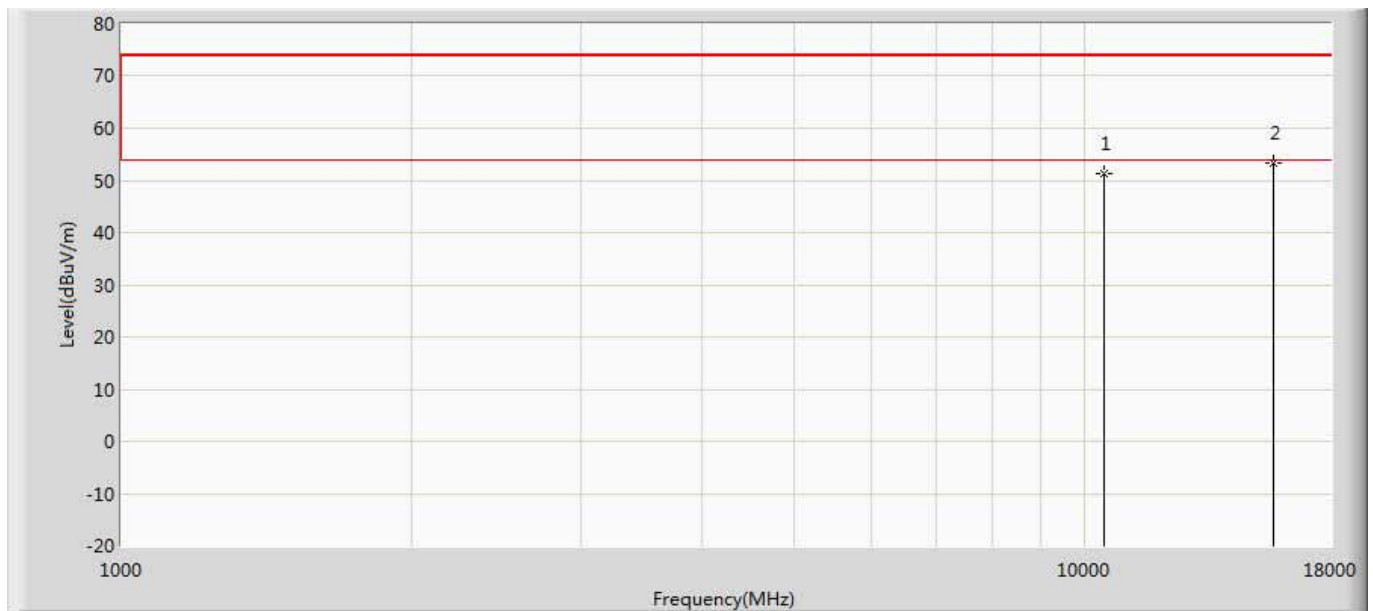
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10375.500	53.794	46.493	-20.206	74.000	7.302	PK
2		16113.000	51.072	34.270	-22.928	74.000	16.802	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5190MHz by 11ac40	



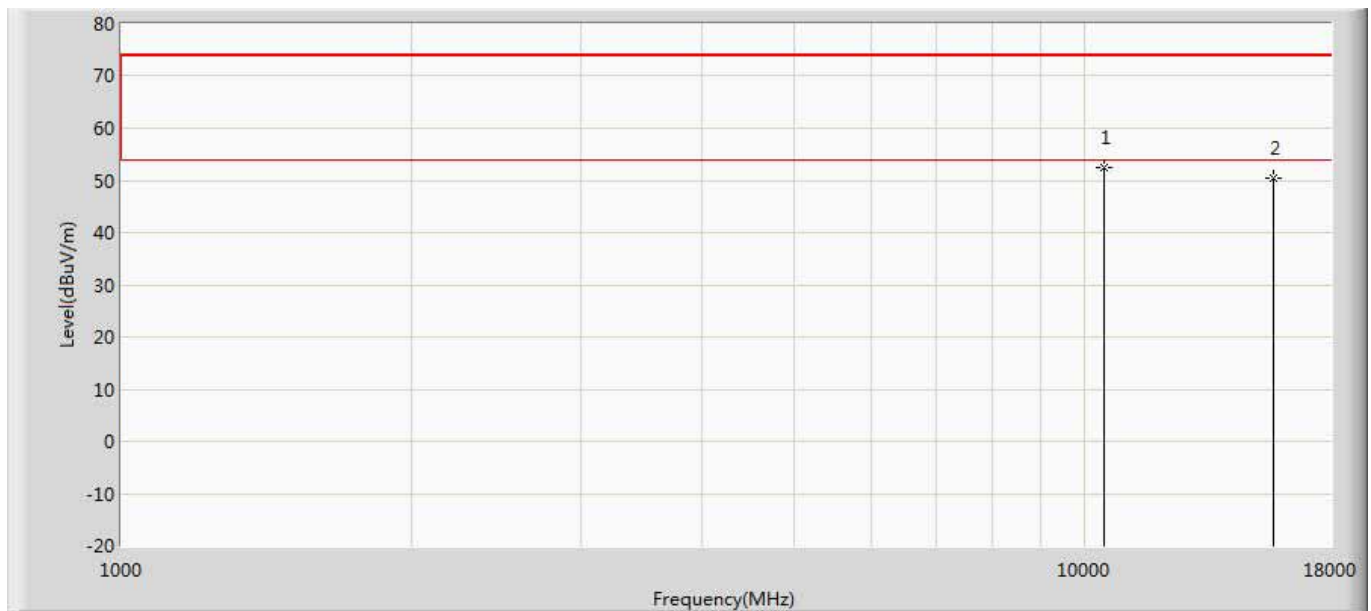
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10375.500	49.741	42.440	-24.259	74.000	7.302	PK
2	*	15263.000	51.064	36.347	-22.936	74.000	14.717	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5230MHz by 11ac40	



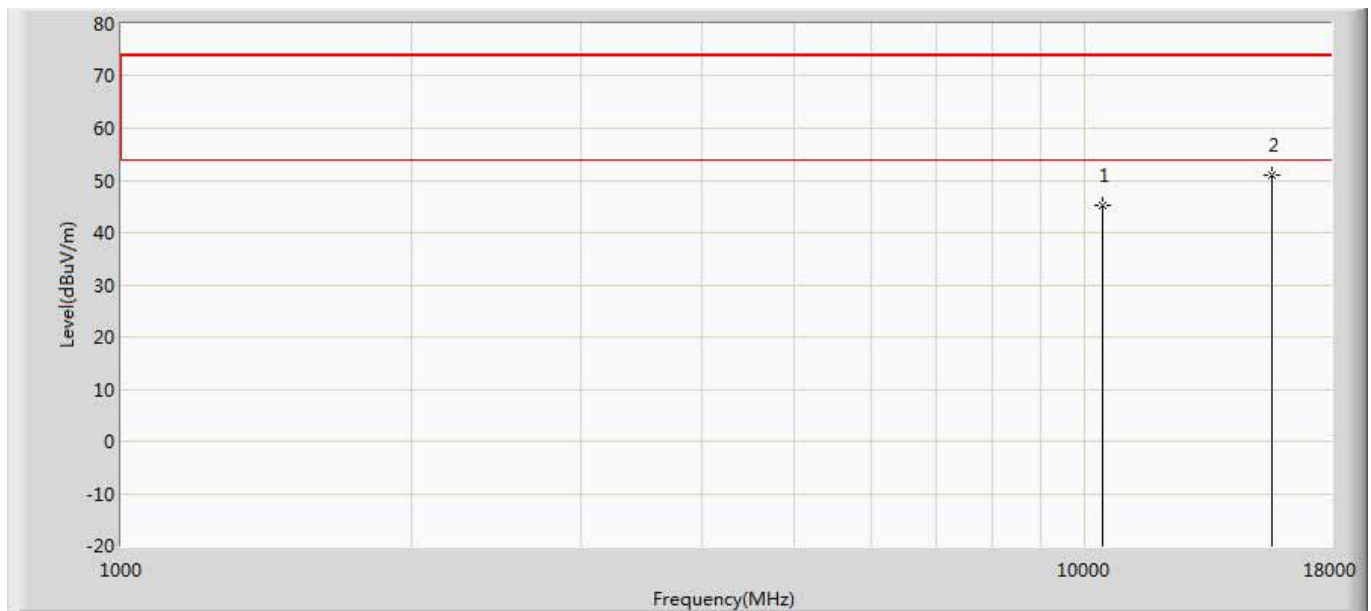
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10469.000	51.216	43.753	-22.784	74.000	7.463	PK
2	*	15713.500	53.297	37.659	-20.703	74.000	15.638	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5230MHz by 11ac40	



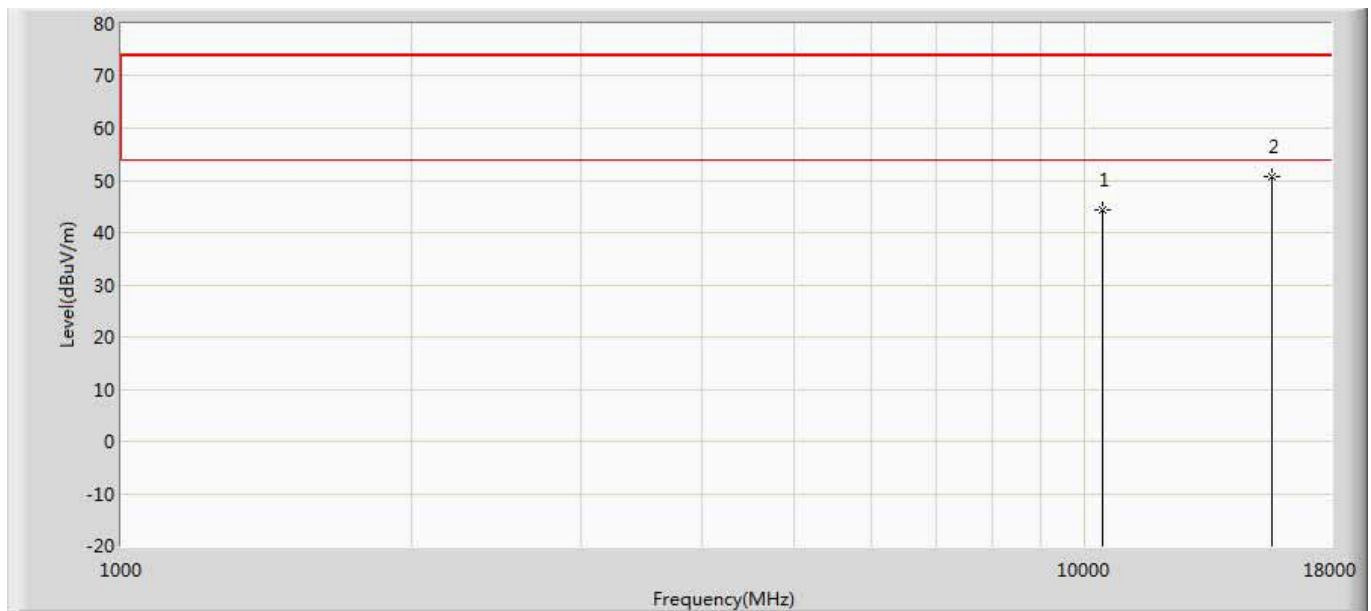
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10469.000	52.457	44.994	-21.543	74.000	7.463	PK
2		15690.000	50.536	35.485	-23.464	74.000	15.051	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 6:Transmit at channel 5210MHz by 11ac80	



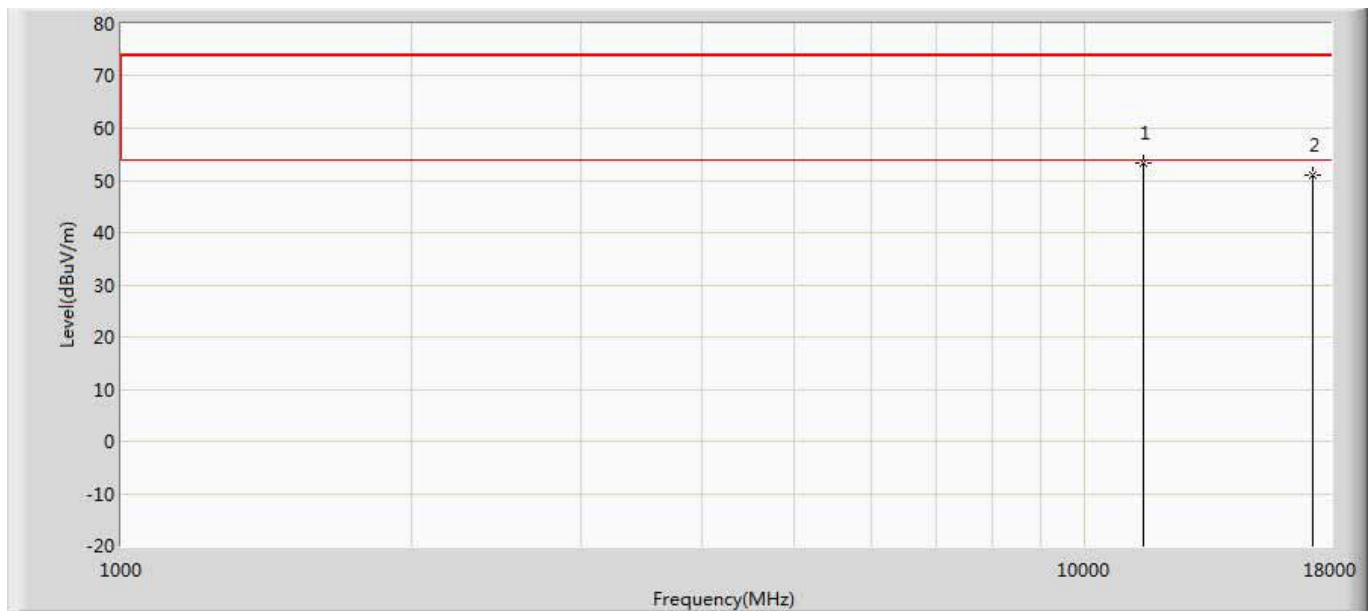
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	45.251	38.384	-28.749	74.000	6.866	PK
2	*	15630.000	51.002	35.117	-22.998	74.000	15.885	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 6:Transmit at channel 5210MHz by 11ac80	



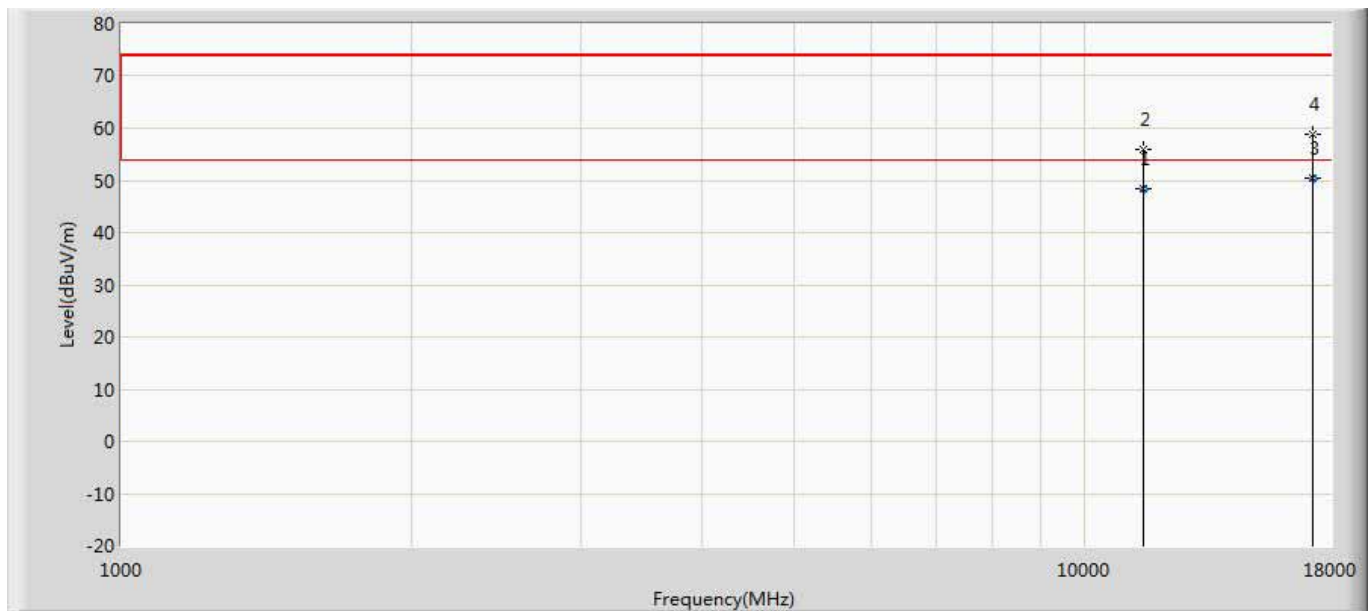
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	44.396	37.529	-29.604	74.000	6.866	PK
2	*	15630.000	50.741	34.856	-23.259	74.000	15.885	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5745MHz by 11A	



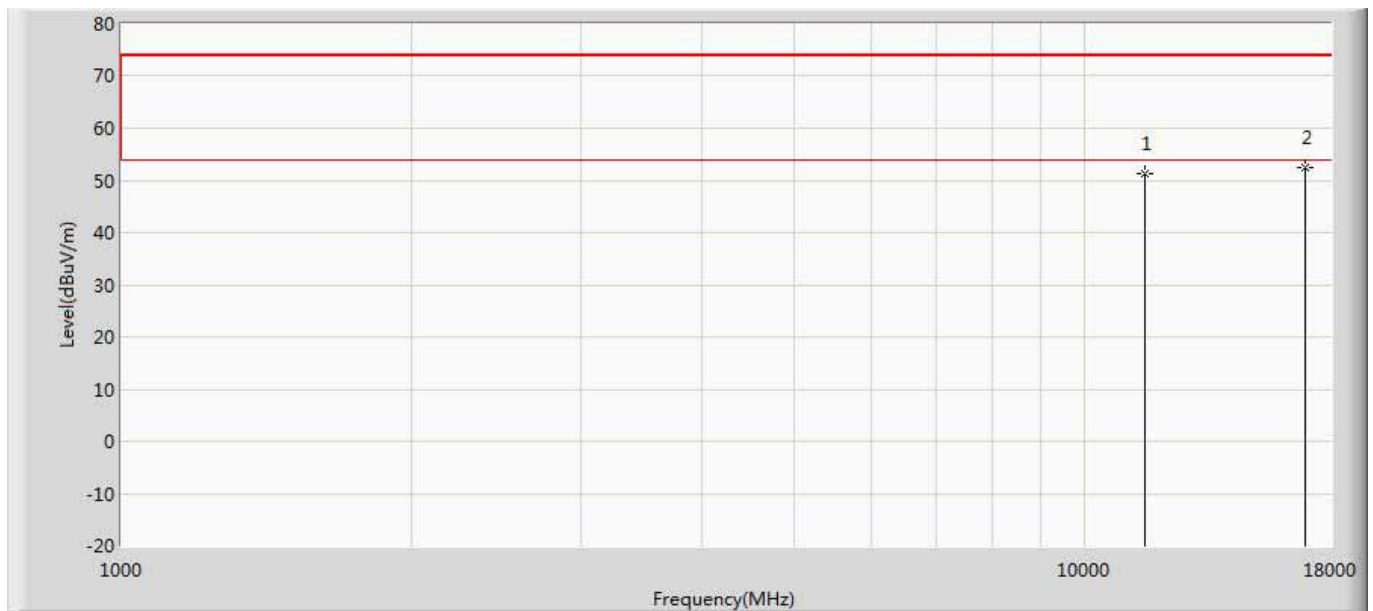
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11489.000	53.235	43.580	-20.765	74.000	9.655	PK
2		17243.500	51.028	33.597	-22.972	74.000	17.431	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5745MHz by 11A	



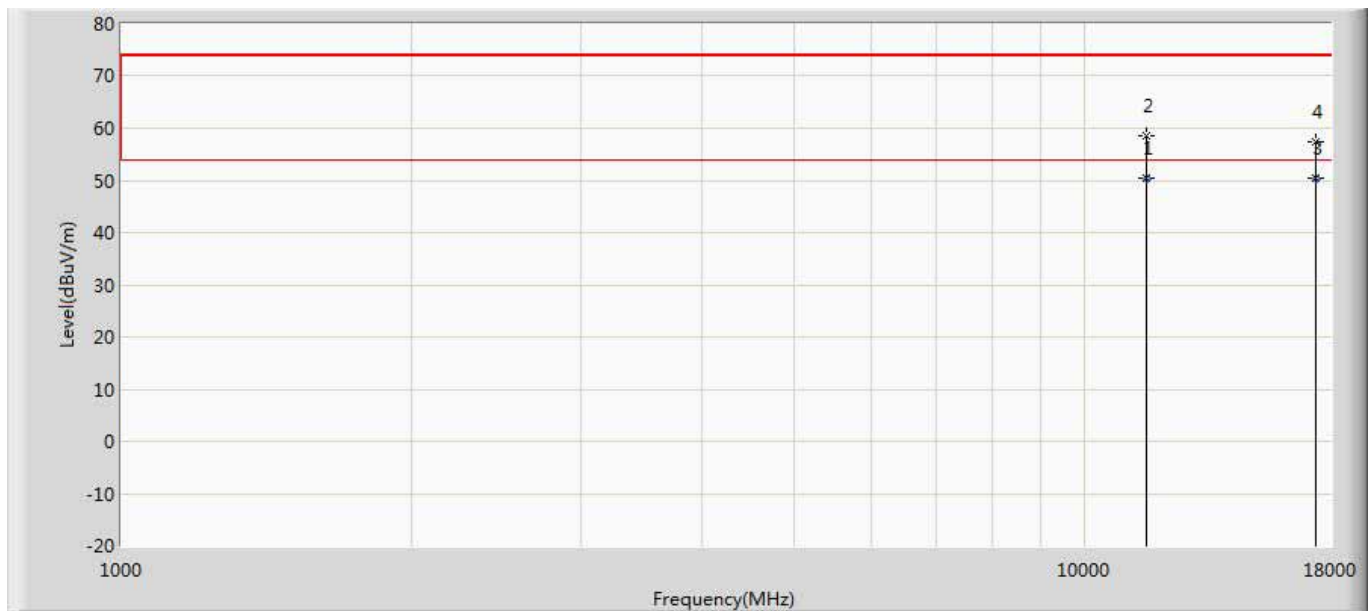
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11488.700	48.312	38.640	-5.688	54.000	9.672	AV
2		11489.000	55.843	46.188	-18.157	74.000	9.655	PK
3	*	17234.580	50.527	32.520	-3.473	54.000	18.007	AV
4		17235.000	58.809	40.798	-15.191	74.000	18.011	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5785MHz by 11A	



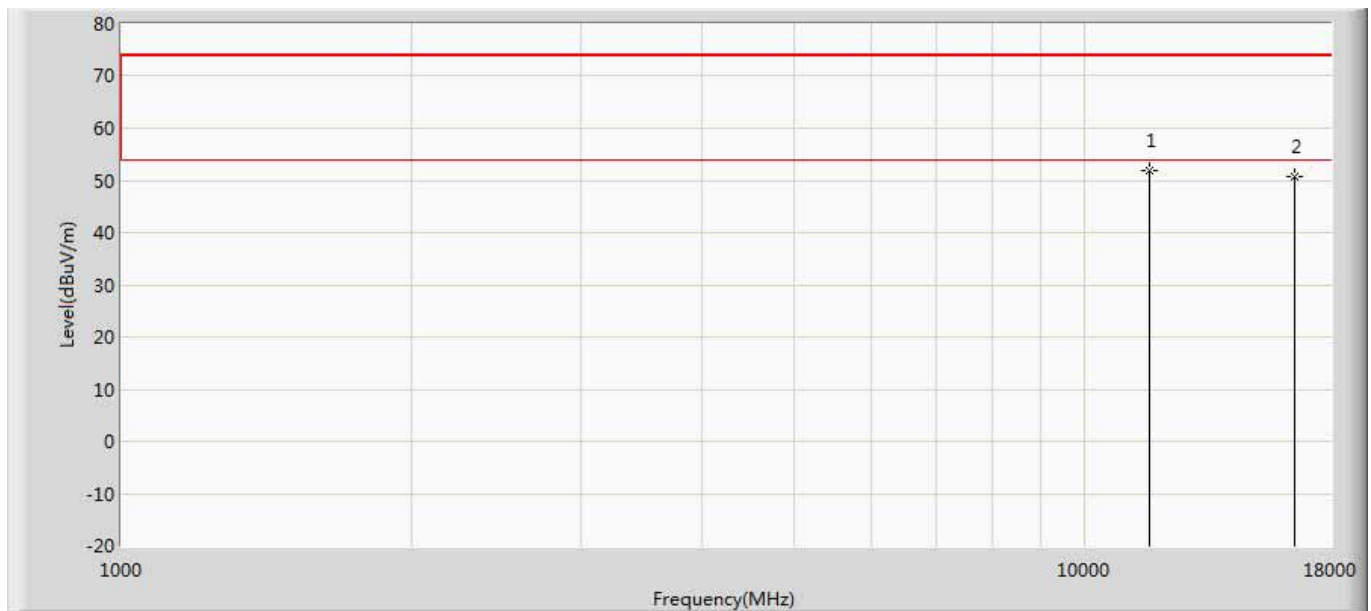
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11557.000	51.298	42.116	-22.702	74.000	9.182	PK
2	*	16937.500	52.364	34.953	-21.636	74.000	17.411	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5785MHz by 11A	



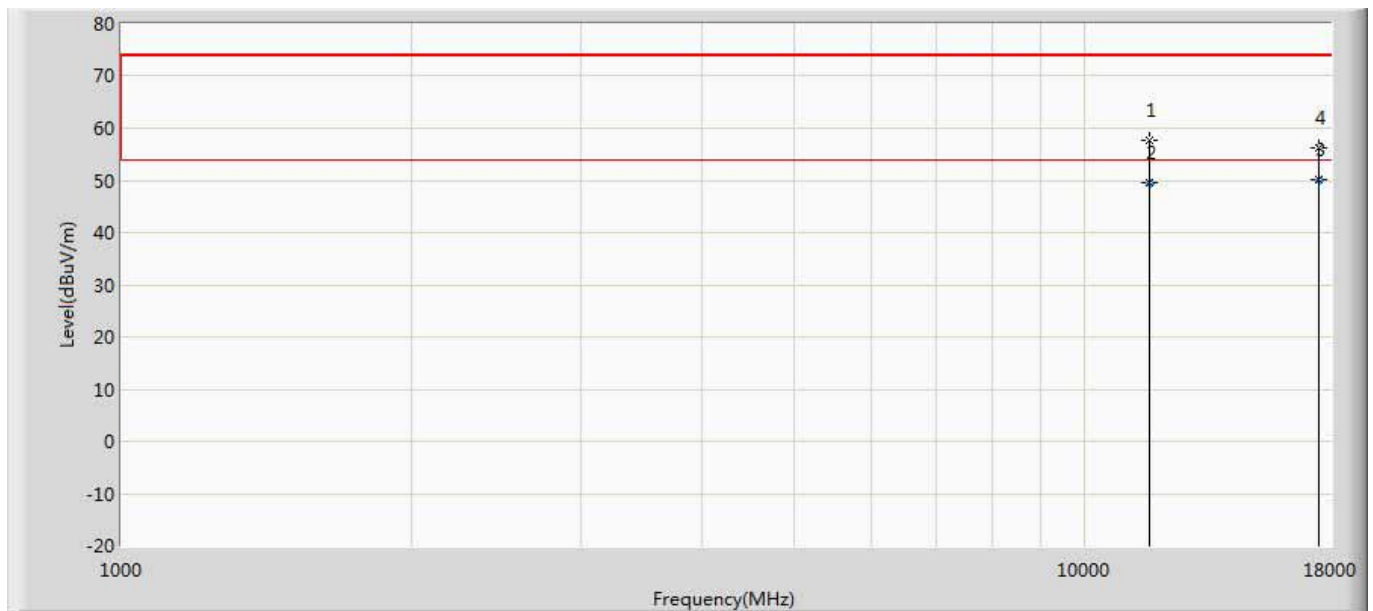
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11573.820	50.418	40.260	-3.582	54.000	10.157	AV
2		11574.000	58.454	48.286	-15.546	74.000	10.168	PK
3	*	17353.954	50.484	32.028	-3.516	54.000	18.455	AV
4		17354.000	57.387	38.930	-16.613	74.000	18.457	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5825MHz by 11A	



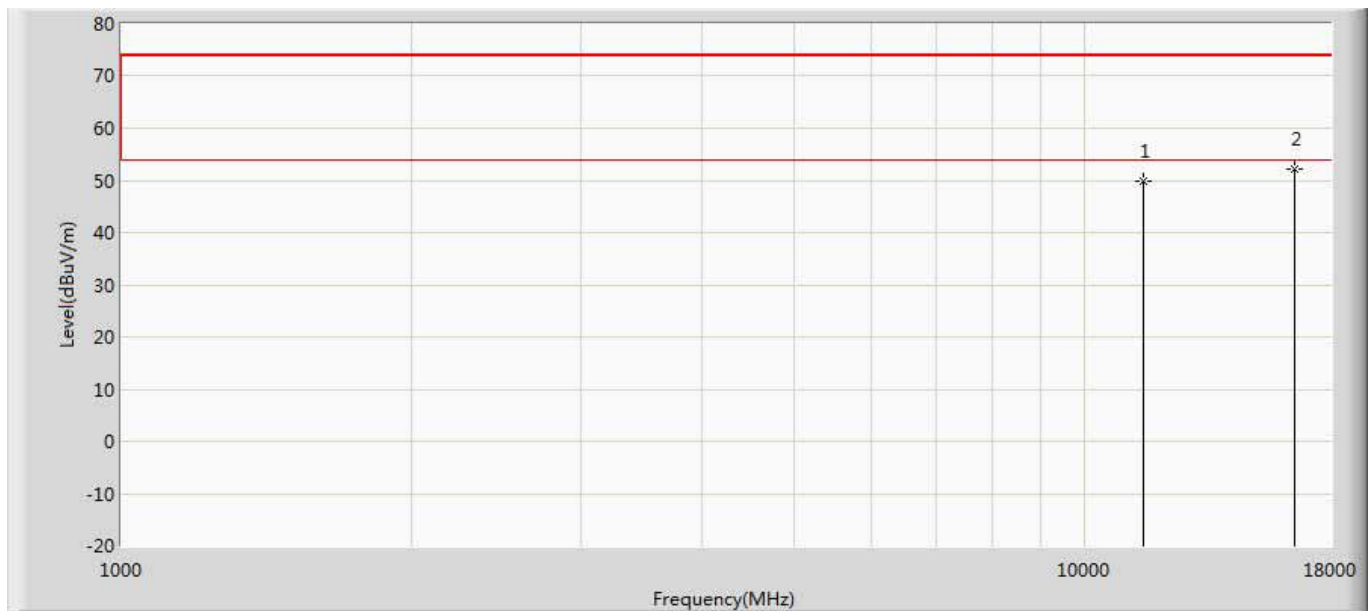
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11659.000	51.815	42.451	-22.185	74.000	9.364	PK
2		16487.000	50.657	34.154	-23.343	74.000	16.503	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1:Transmit at channel 5825MHz by 11A	



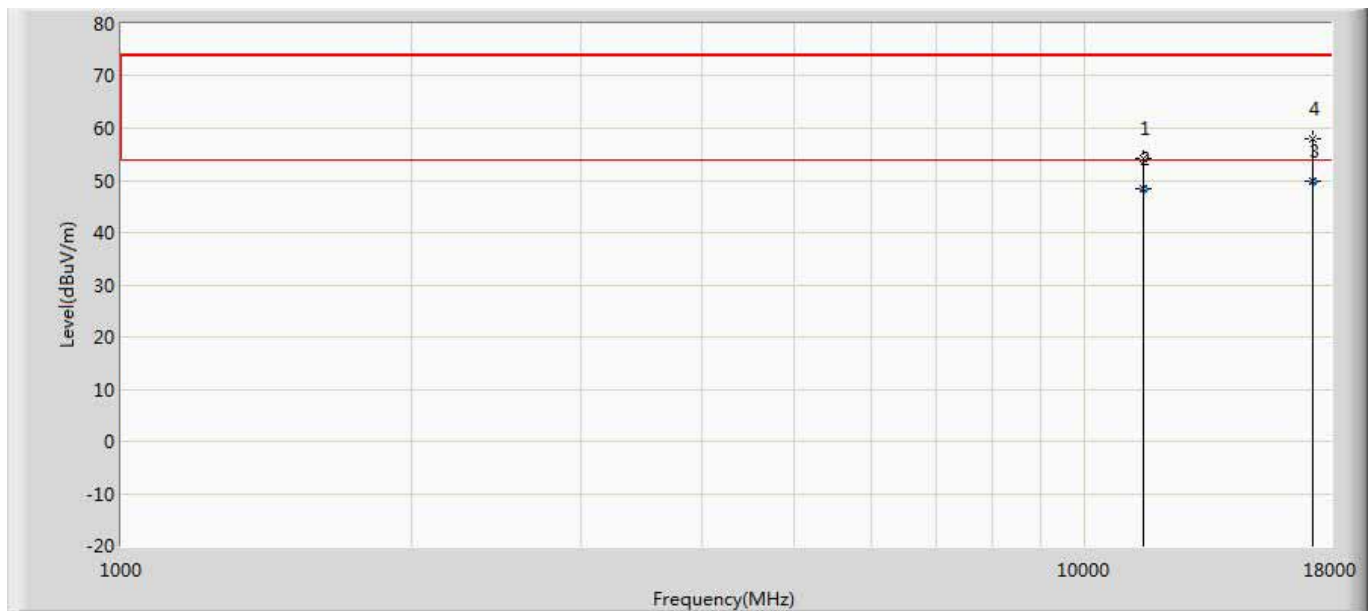
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.500	57.612	47.815	-16.388	74.000	9.798	PK
2		11650.800	49.562	39.780	-4.438	54.000	9.782	AV
3	*	17472.680	50.095	33.140	-3.905	54.000	16.954	AV
4		17473.000	56.225	39.276	-17.775	74.000	16.949	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5745MHz by 11n20	



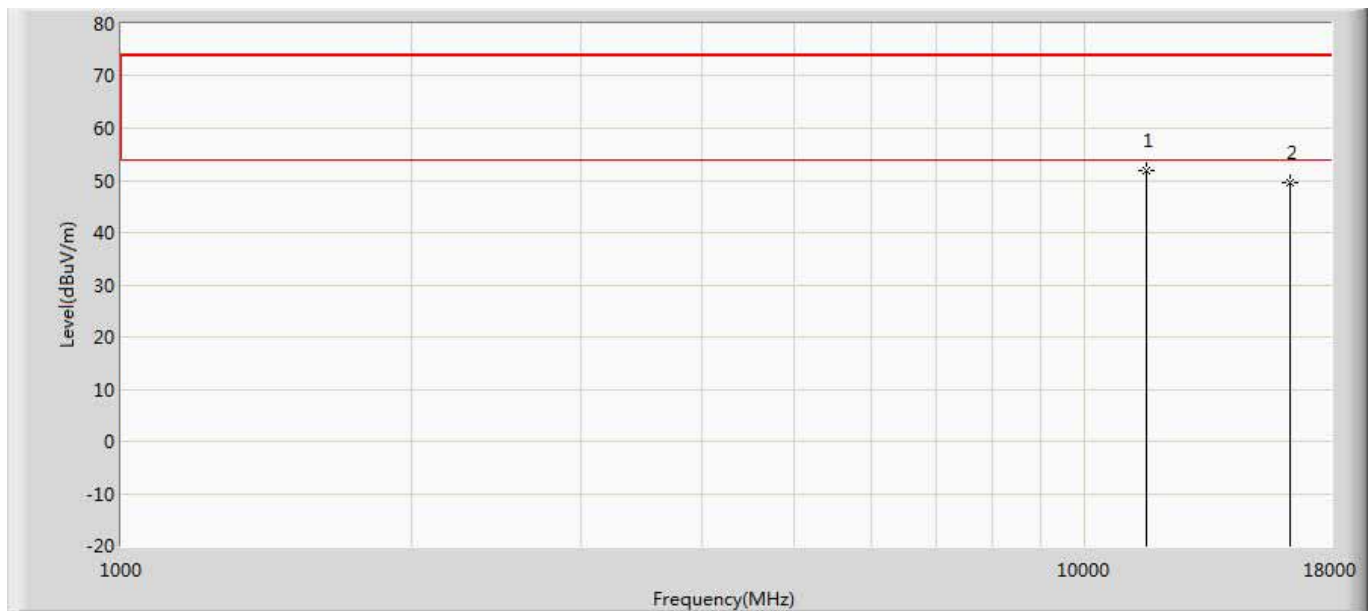
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11497.500	49.929	40.014	-24.071	74.000	9.916	PK
2	*	16529.500	52.238	35.380	-21.762	74.000	16.858	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5745MHz by 11n20	



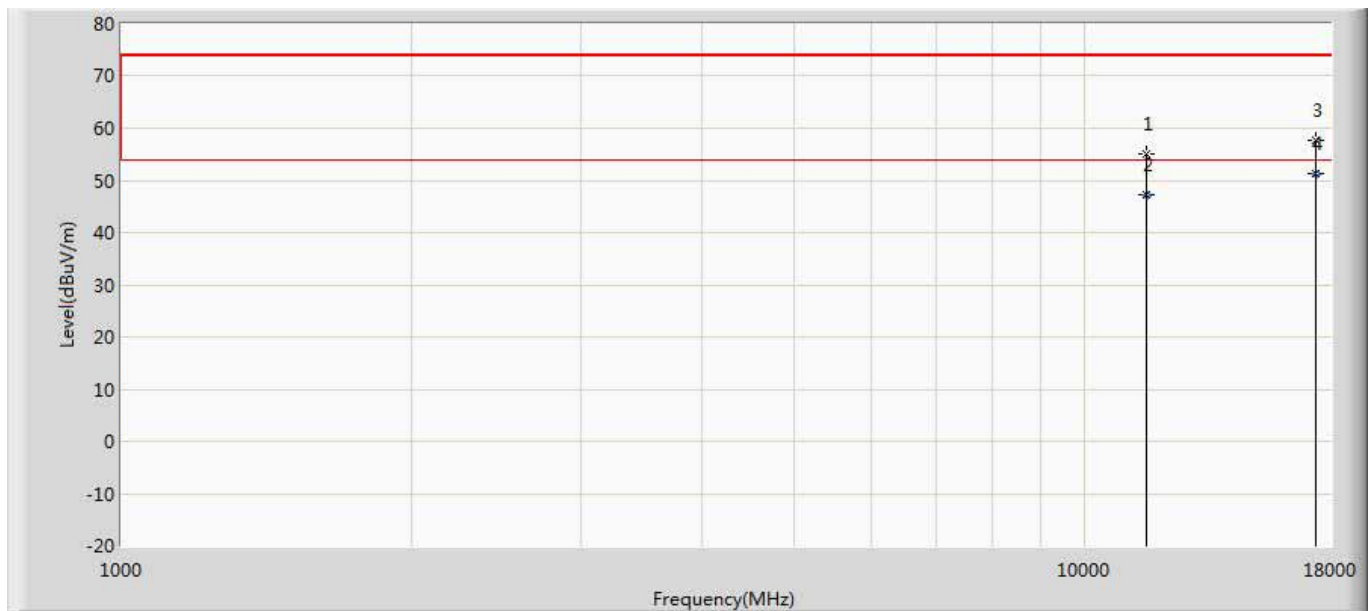
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11489.000	54.304	44.649	-19.696	74.000	9.655	PK
2		11489.230	48.332	38.670	-5.668	54.000	9.662	AV
3	*	17226.340	49.894	31.970	-4.106	54.000	17.925	AV
4		17226.500	57.998	40.072	-16.002	74.000	17.926	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5785MHz by 11n20	



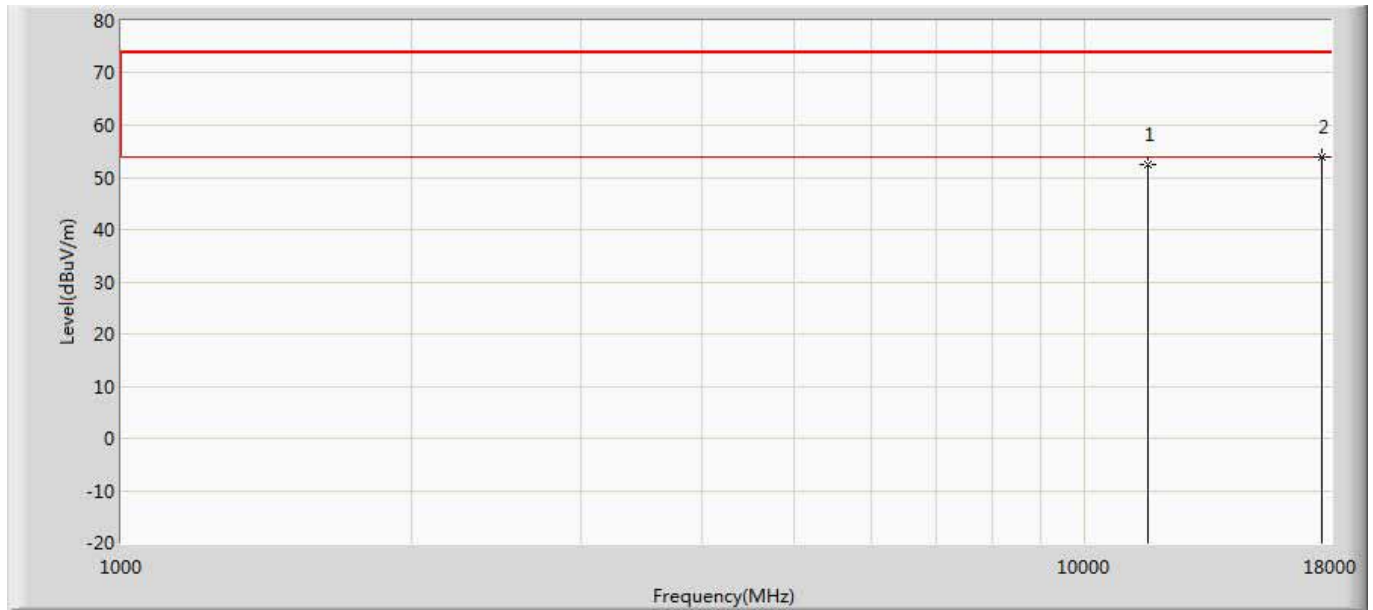
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11574.000	51.837	41.669	-22.163	74.000	10.168	PK
2		16334.000	49.666	33.289	-24.334	74.000	16.377	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5785MHz by 11n20	



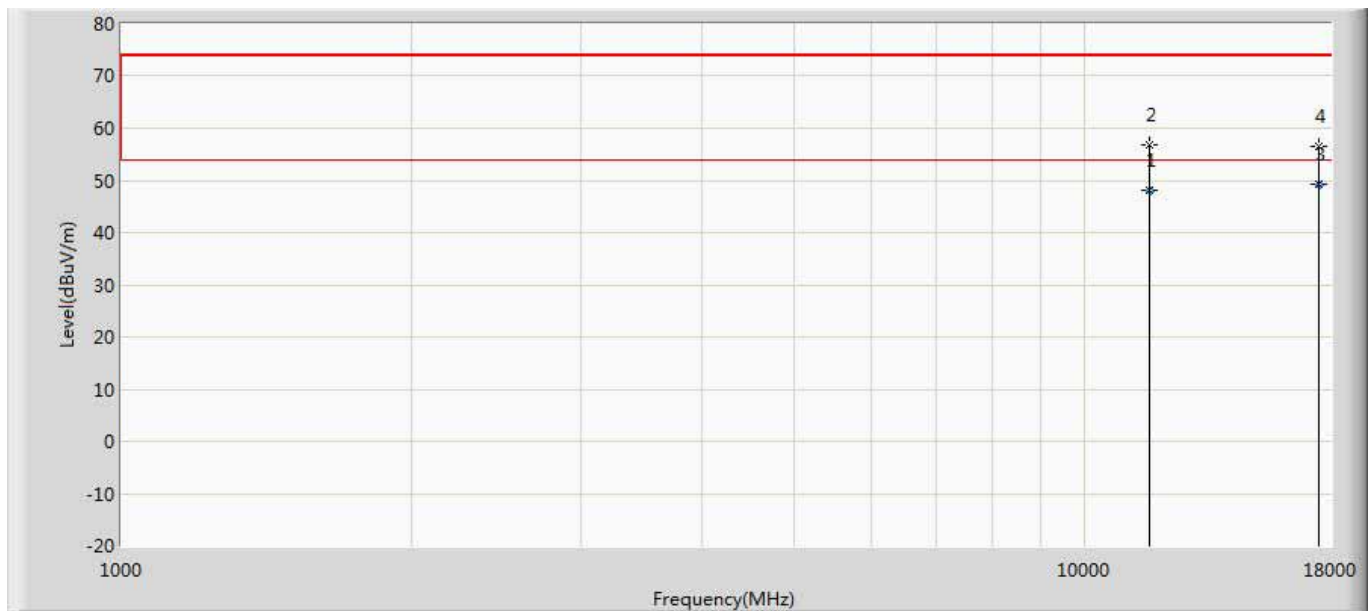
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11574.000	55.175	45.007	-18.825	74.000	10.168	PK
2		11574.320	47.314	37.140	-6.686	54.000	10.175	AV
3		17354.000	57.625	39.168	-16.375	74.000	18.457	PK
4	*	17354.250	51.284	32.854	-2.716	54.000	18.430	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5825MHz by 11n20	



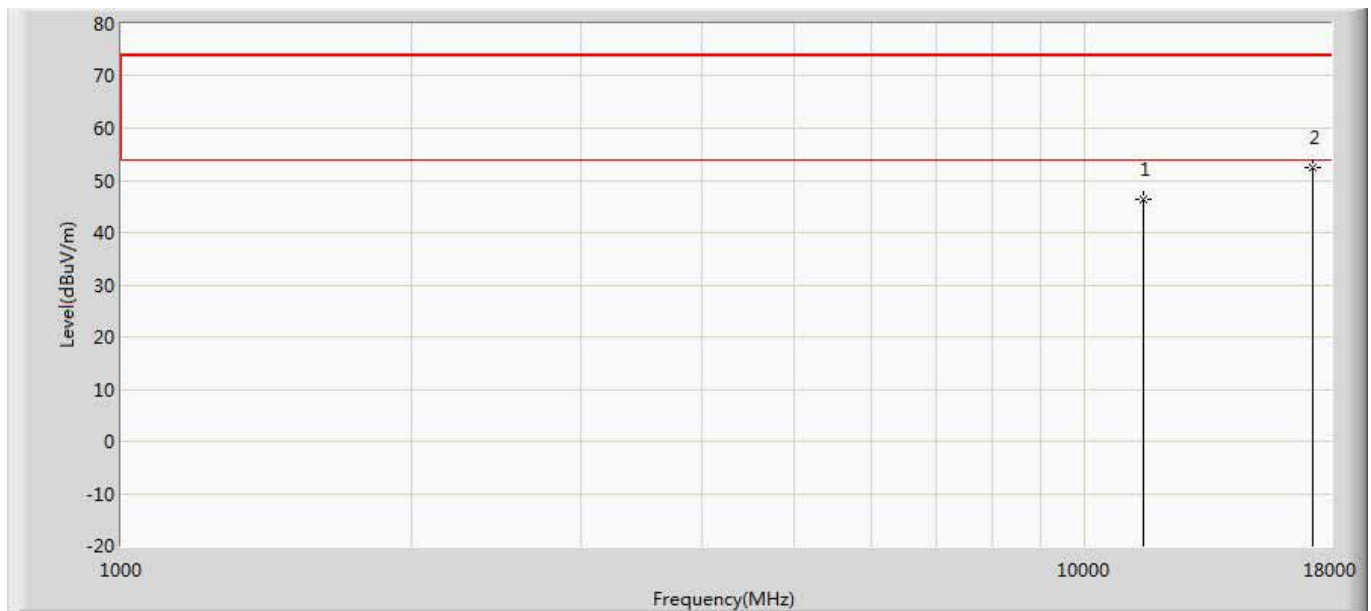
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11642.000	52.497	42.266	-21.503	74.000	10.231	PK
2	*	17626.000	53.785	33.889	-20.215	74.000	19.896	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 2:Transmit at channel 5825MHz by 11n20	



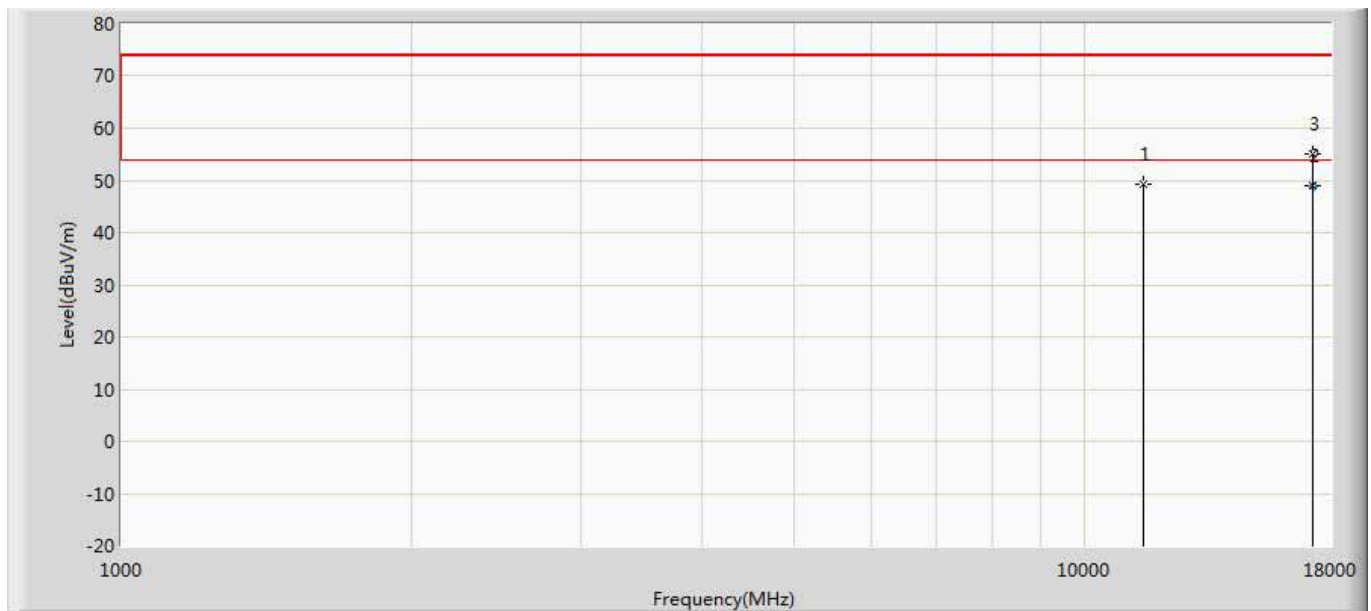
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.210	48.152	38.340	-5.848	54.000	9.812	AV
2		11650.500	56.751	46.954	-17.249	74.000	9.798	PK
3	*	17472.510	49.416	32.458	-4.584	54.000	16.958	AV
4		17473.000	56.484	39.535	-17.516	74.000	16.949	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5755MHz by 11n40	



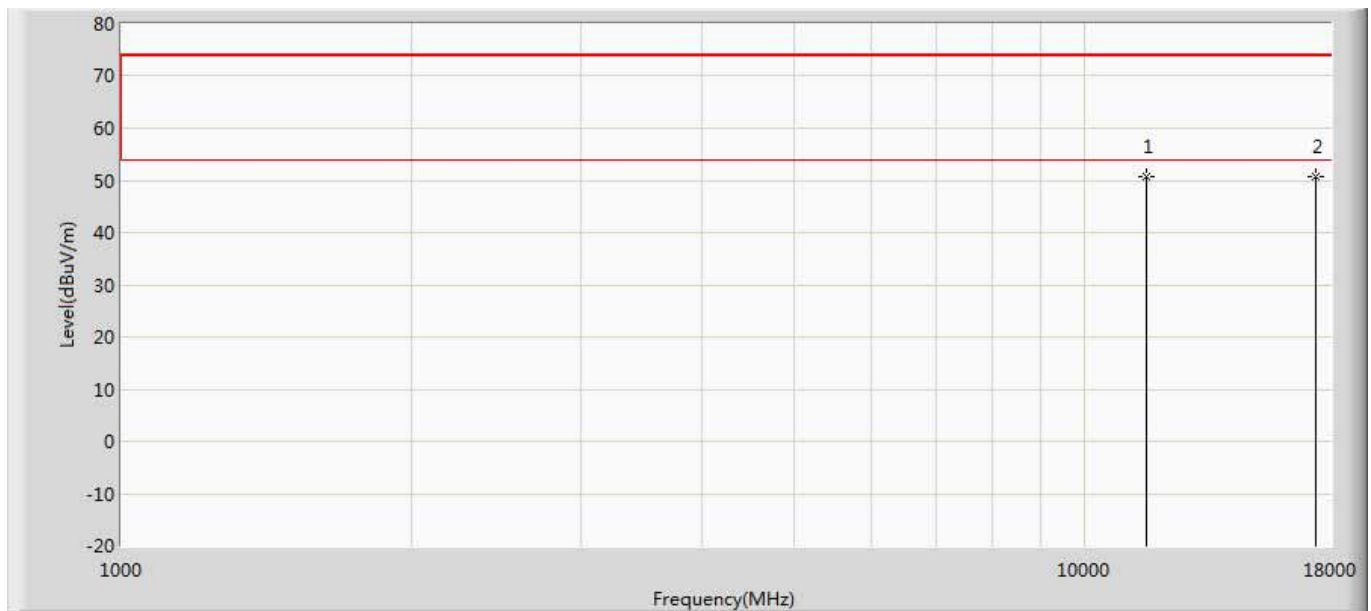
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	46.289	36.223	-27.711	74.000	10.065	PK
2	*	17265.000	52.568	34.672	-21.432	74.000	17.896	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5755MHz by 11n40	



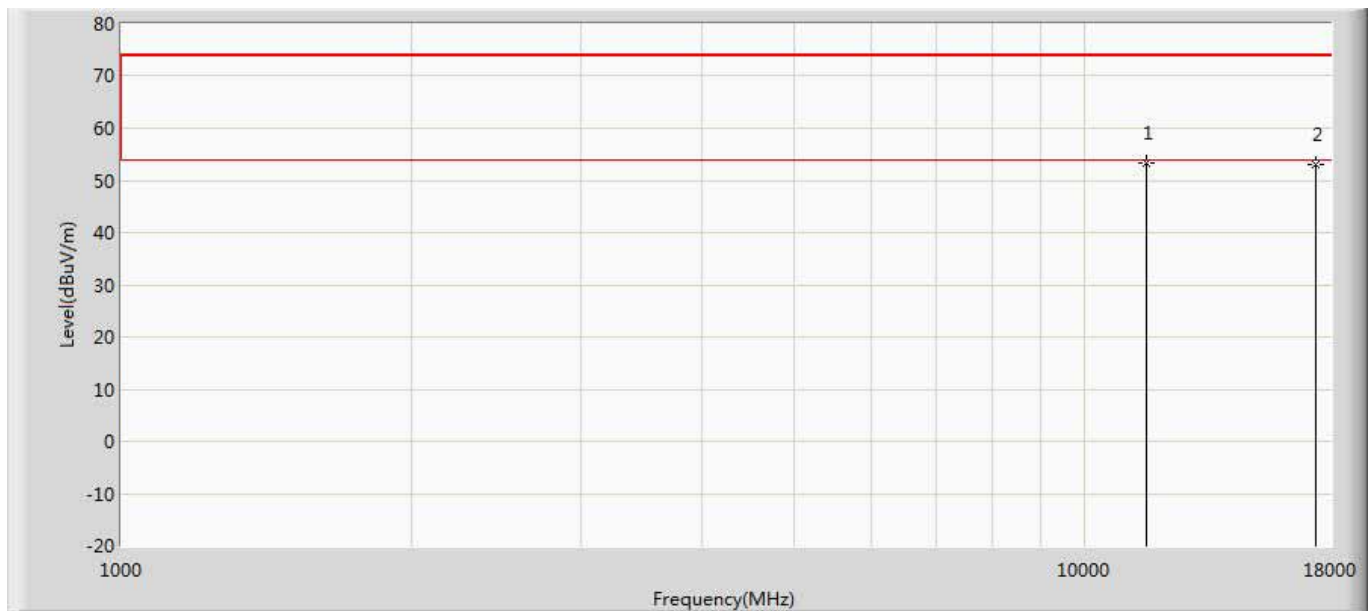
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.212	39.146	-24.788	74.000	10.065	PK
2	*	17264.850	48.931	31.047	-5.069	54.000	17.884	AV
3		17265.000	55.037	37.141	-18.963	74.000	17.896	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5795MHz by 11n40	



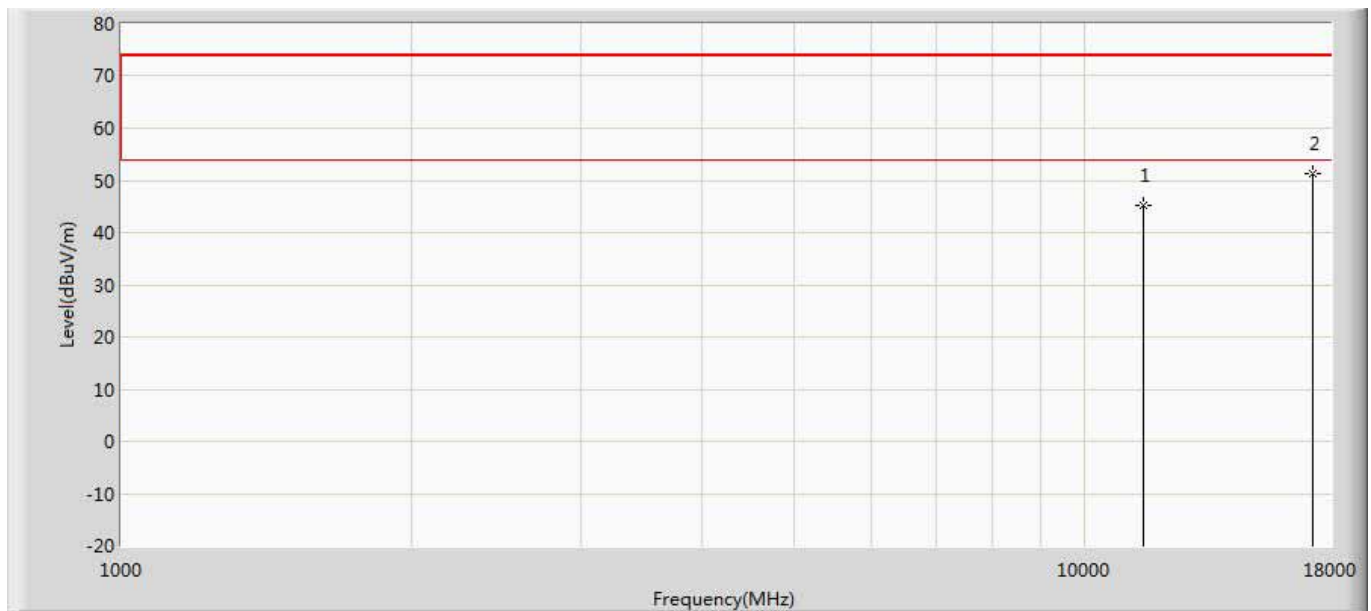
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	50.794	40.315	-23.206	74.000	10.478	PK
2	*	17385.000	50.855	33.574	-23.145	74.000	17.281	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 3:Transmit at channel 5795MHz by 11n40	



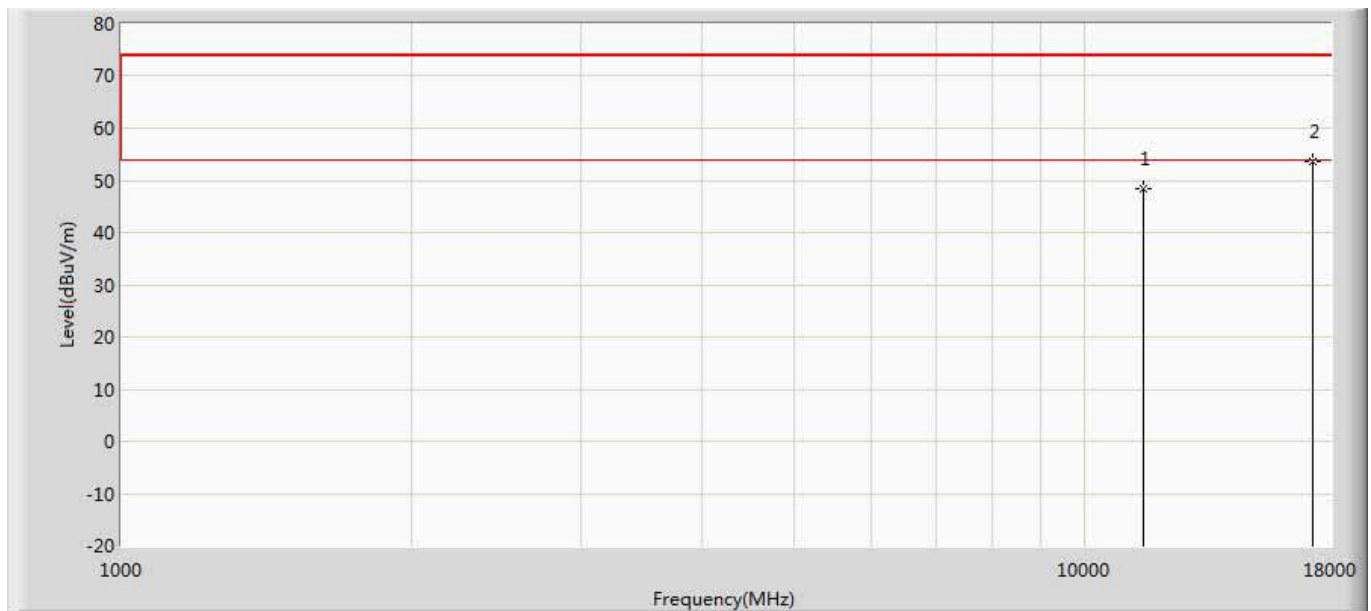
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11590.000	53.339	42.860	-20.661	74.000	10.478	PK
2		17385.000	53.040	35.759	-20.960	74.000	17.281	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5745MHz by 11ac20	



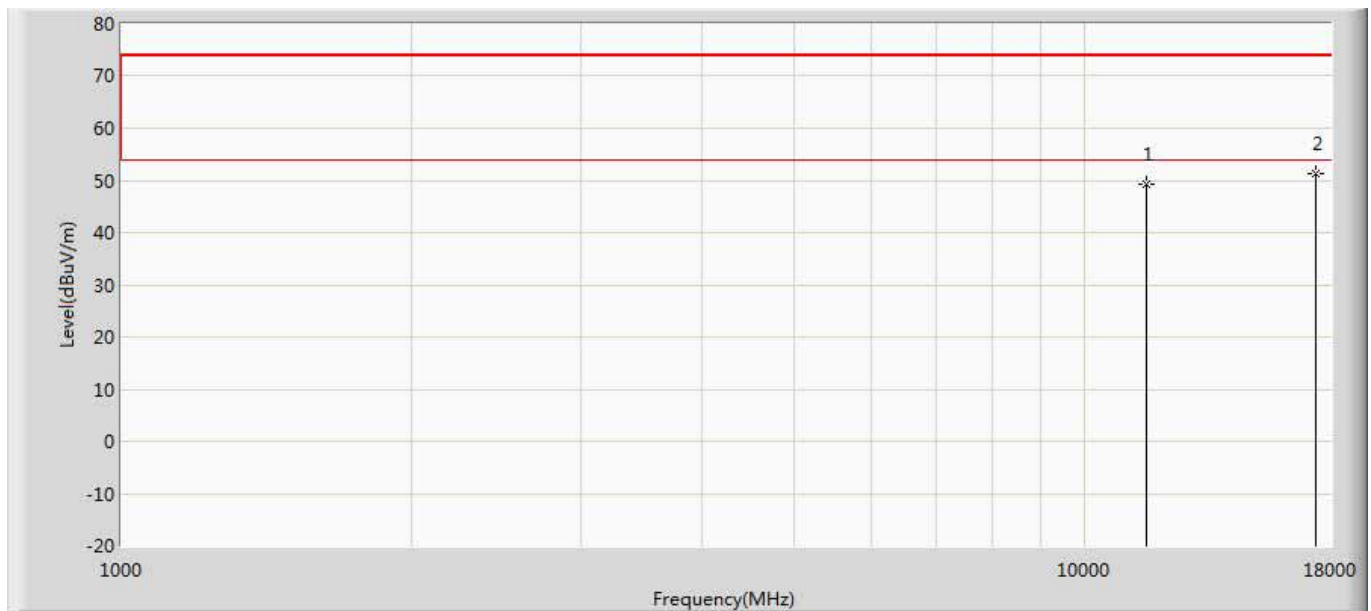
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.230	35.544	-28.770	74.000	9.686	PK
2	*	17235.000	51.313	33.302	-22.687	74.000	18.011	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5745MHz by 11ac20	



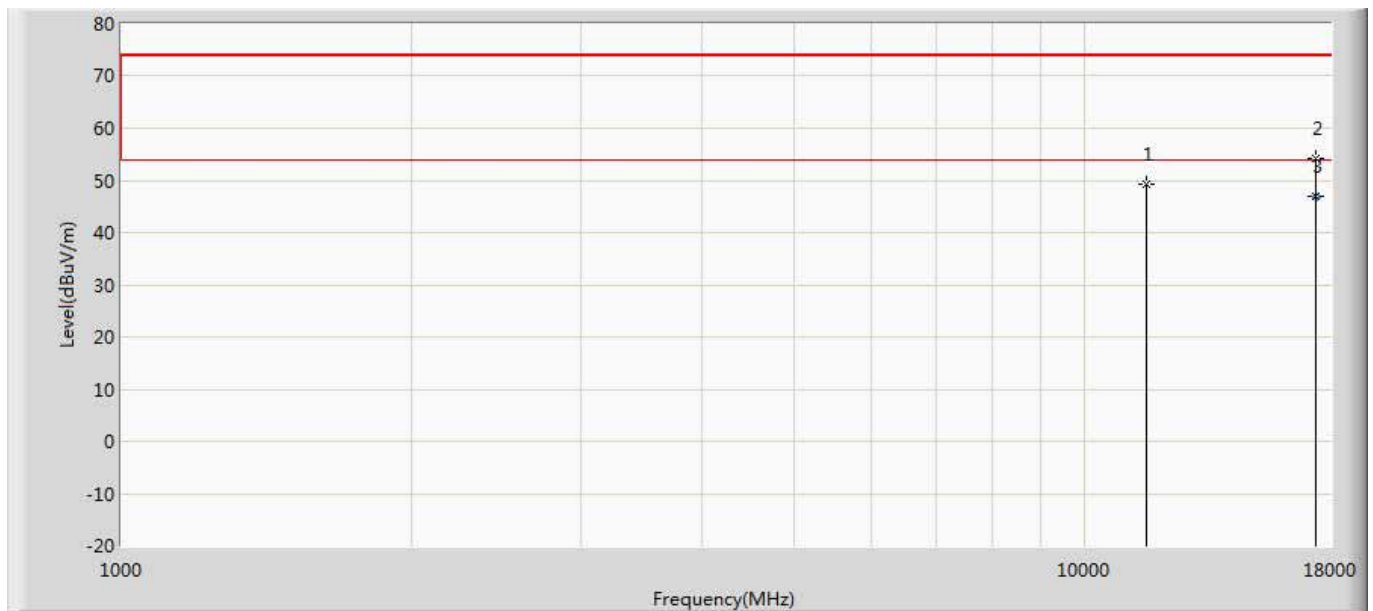
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	48.402	38.716	-25.598	74.000	9.686	PK
2	*	17235.000	53.606	35.595	-20.394	74.000	18.011	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5785MHz by 11ac20	



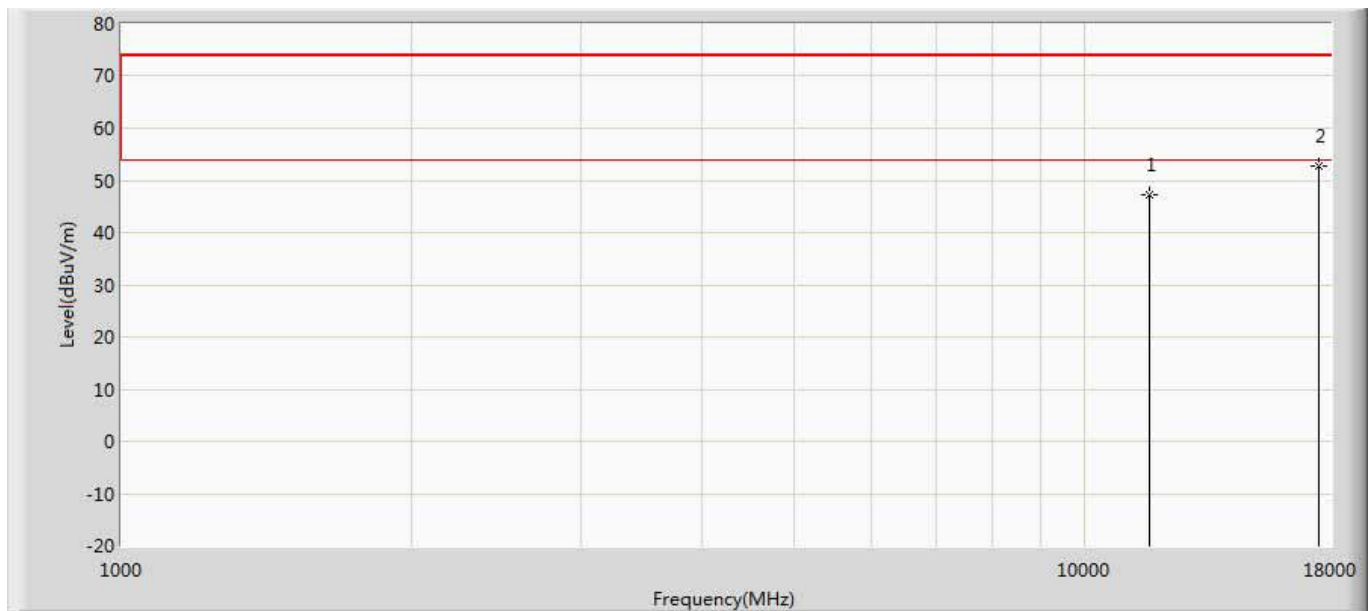
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	49.148	39.212	-24.852	74.000	9.936	PK
2	*	17355.000	51.186	32.836	-22.814	74.000	18.350	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5785MHz by 11ac	



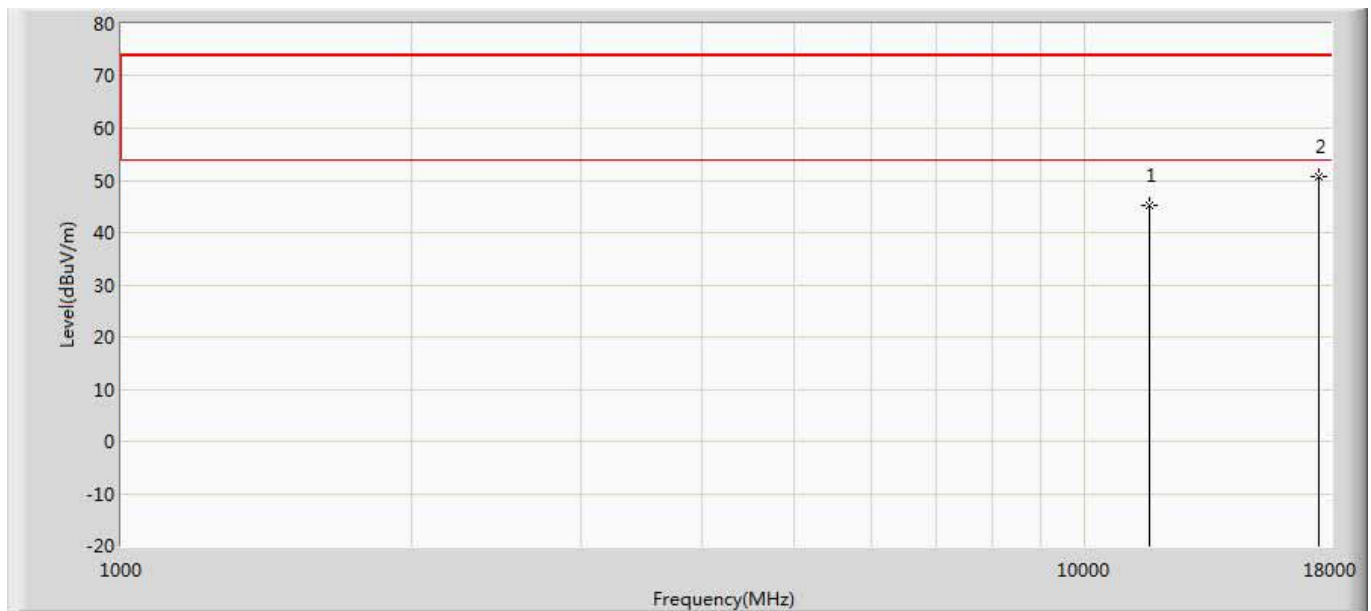
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	49.282	39.346	-24.718	74.000	9.936	PK
2		17355.000	54.098	35.748	-19.902	74.000	18.350	PK
3	*	17355.024	46.989	28.641	-7.011	54.000	18.348	AV

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5825MHz by 11ac20	



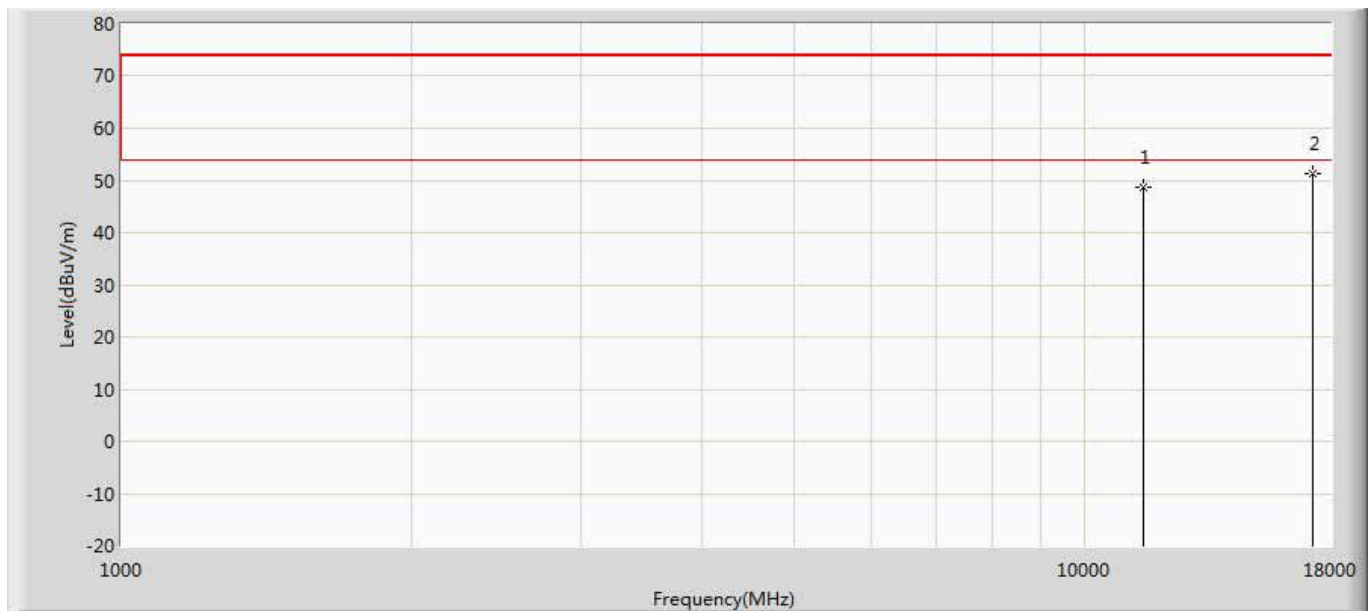
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	47.279	37.456	-26.721	74.000	9.823	PK
2	*	17475.000	52.884	35.965	-21.116	74.000	16.919	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 4:Transmit at channel 5825MHz by 11ac20	



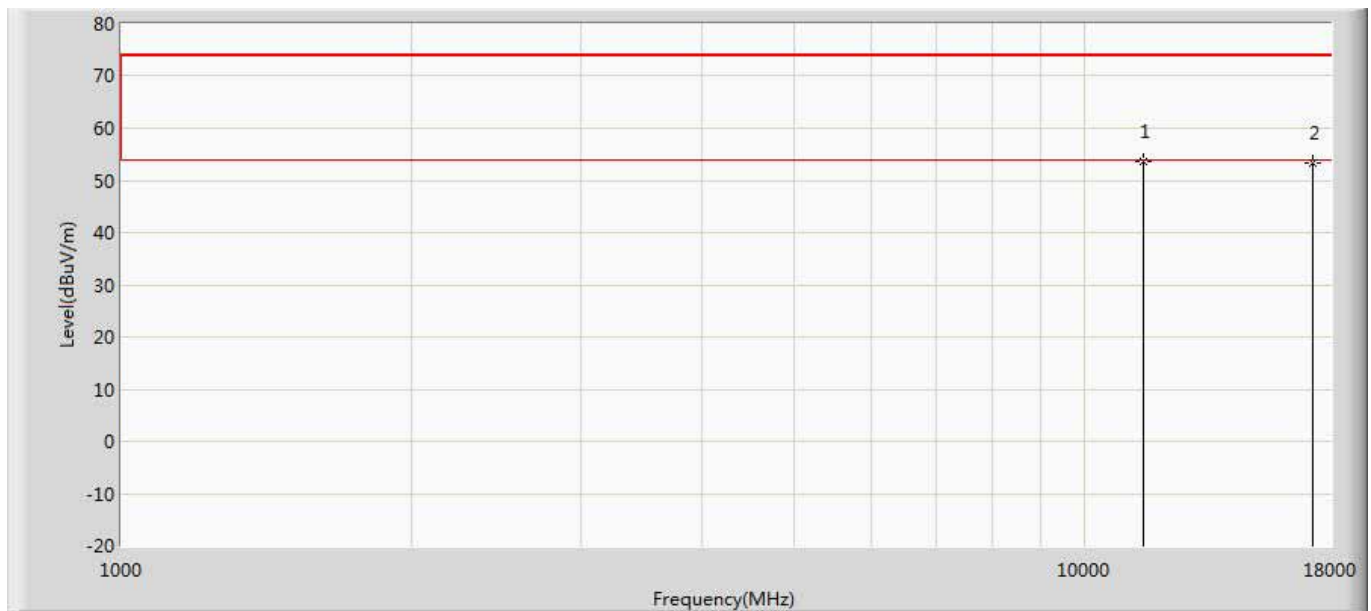
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	45.166	35.343	-28.834	74.000	9.823	PK
2	*	17475.000	50.600	33.681	-23.400	74.000	16.919	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5755MHz by 11ac40	



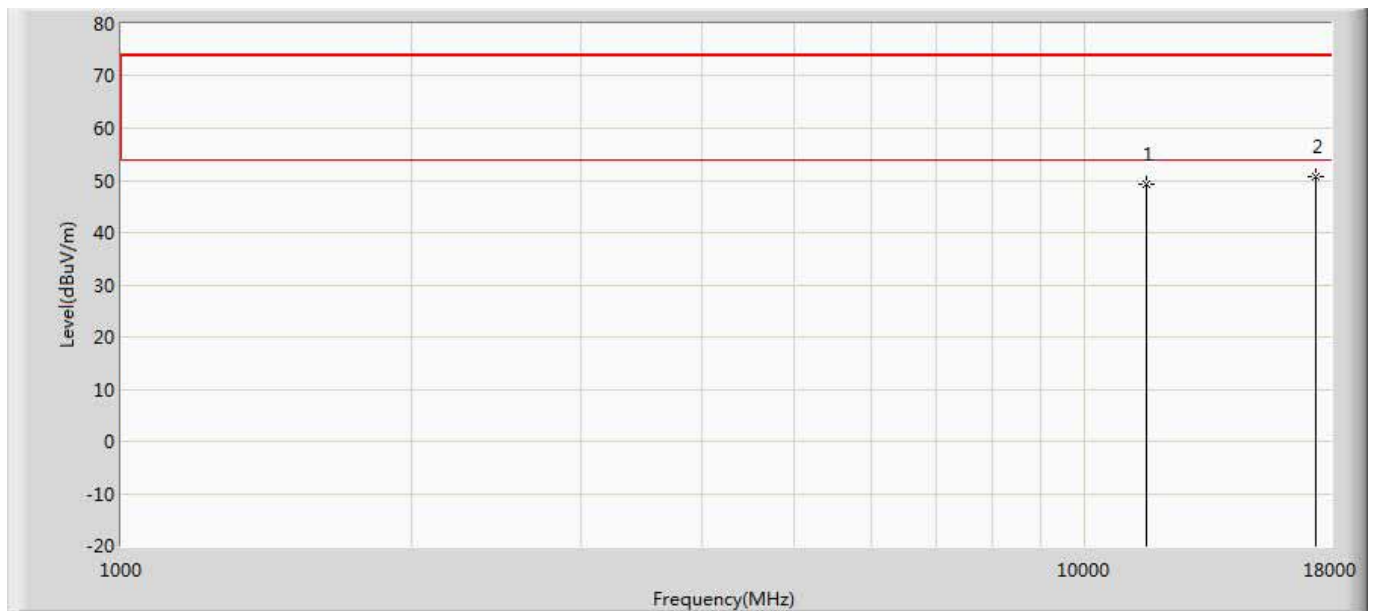
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	48.614	38.548	-25.386	74.000	10.065	PK
2	*	17265.000	51.268	33.372	-22.732	74.000	17.896	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5755MHz by 11ac40	



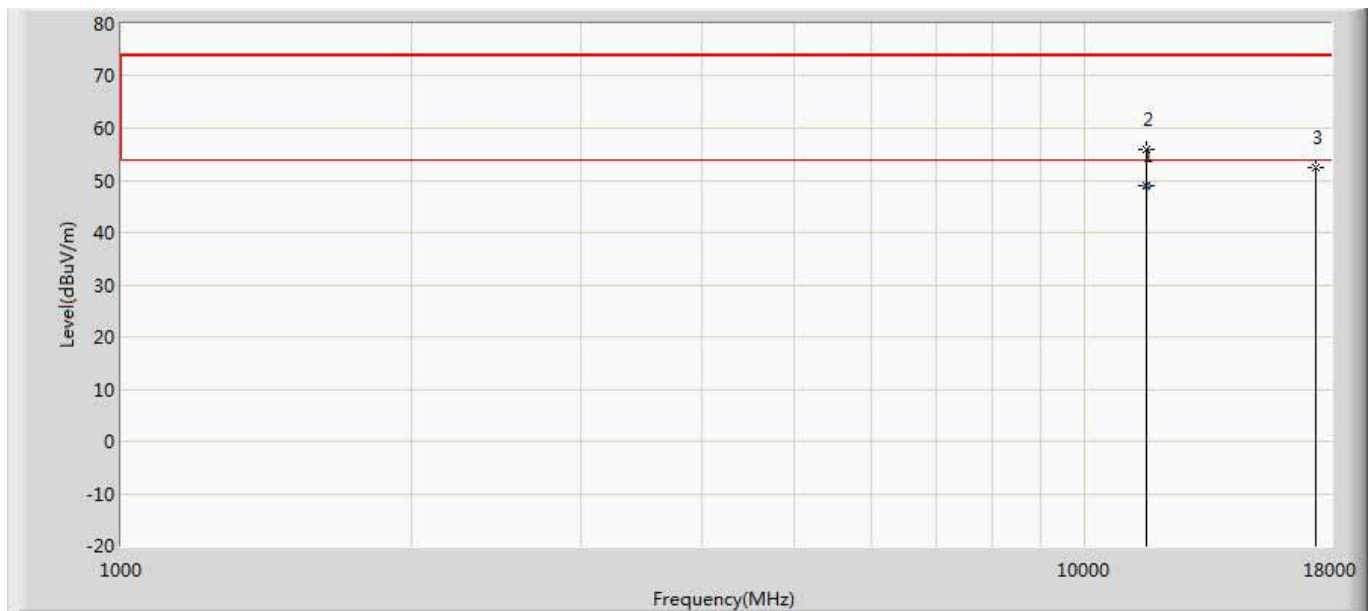
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11510.000	53.747	43.681	-20.253	74.000	10.065	PK
2		17265.000	53.342	35.446	-20.658	74.000	17.896	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5795MHz by 11ac40	



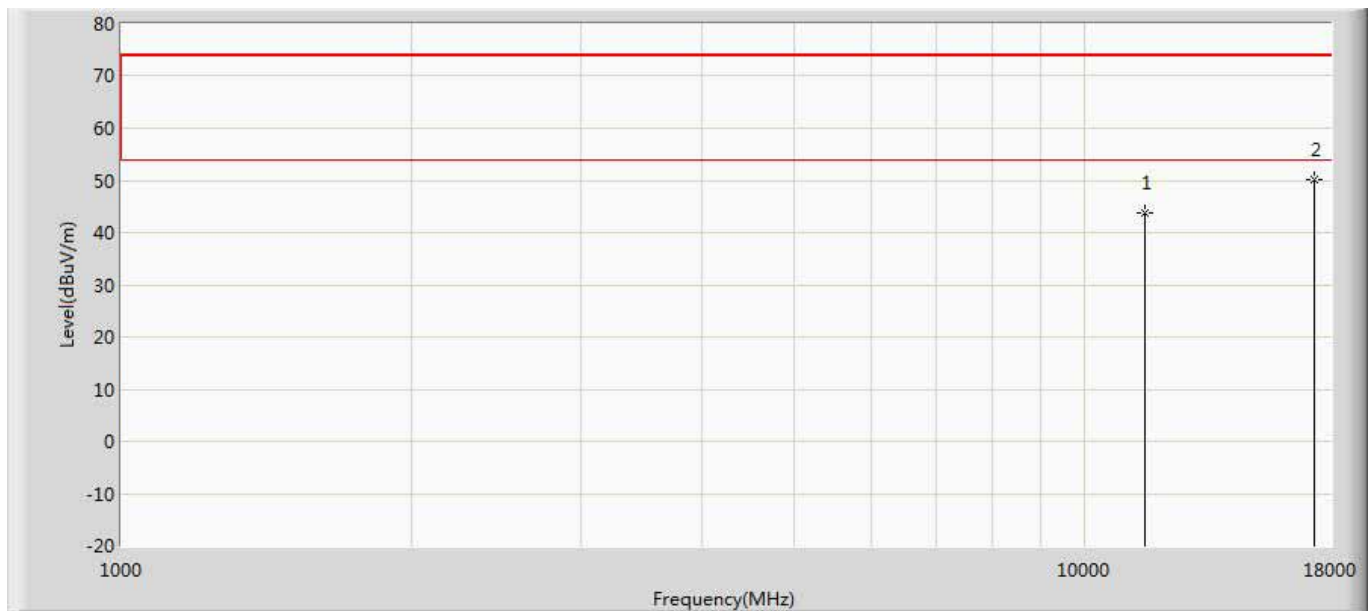
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	49.295	38.816	-24.705	74.000	10.478	PK
2	*	17385.000	50.593	33.312	-23.407	74.000	17.281	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 5:Transmit at channel 5795MHz by 11ac40	



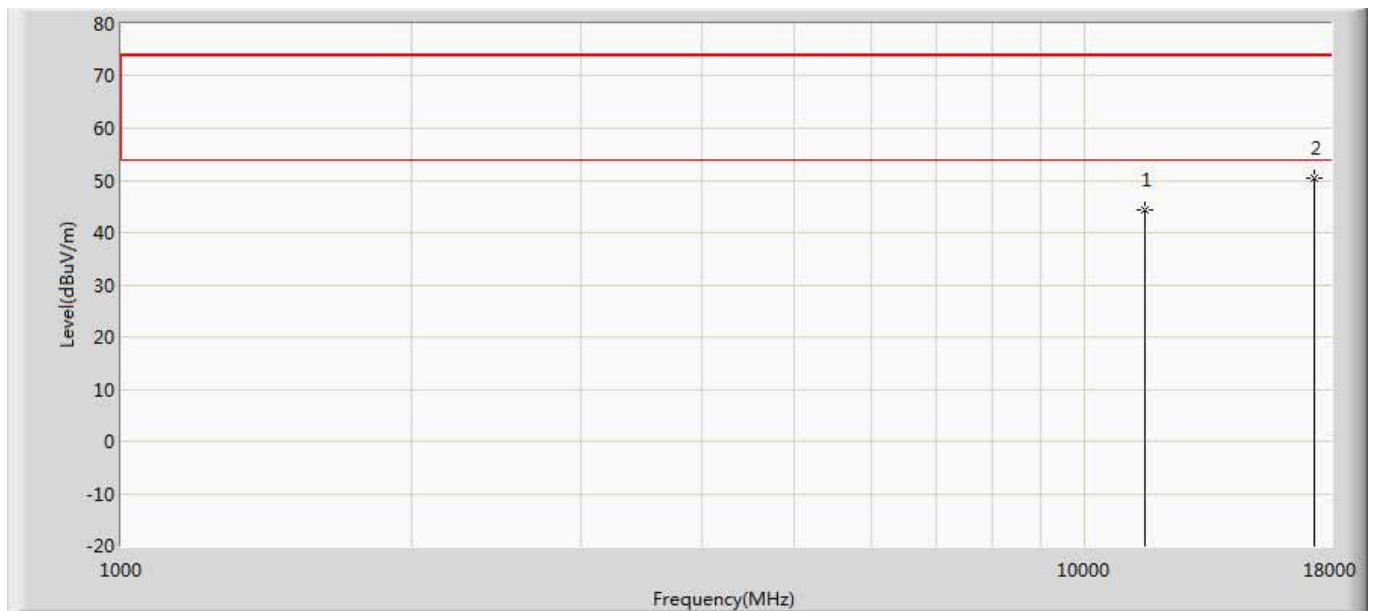
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11589.360	48.992	38.526	-5.008	54.000	10.466	AV
2		11590.000	55.929	45.450	-18.071	74.000	10.478	PK
3		17385.000	52.539	35.258	-21.461	74.000	17.281	PK

Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 6:Transmit at channel 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	43.826	34.728	-30.174	74.000	9.098	PK
2	*	17325.000	50.121	32.735	-23.879	74.000	17.387	PK

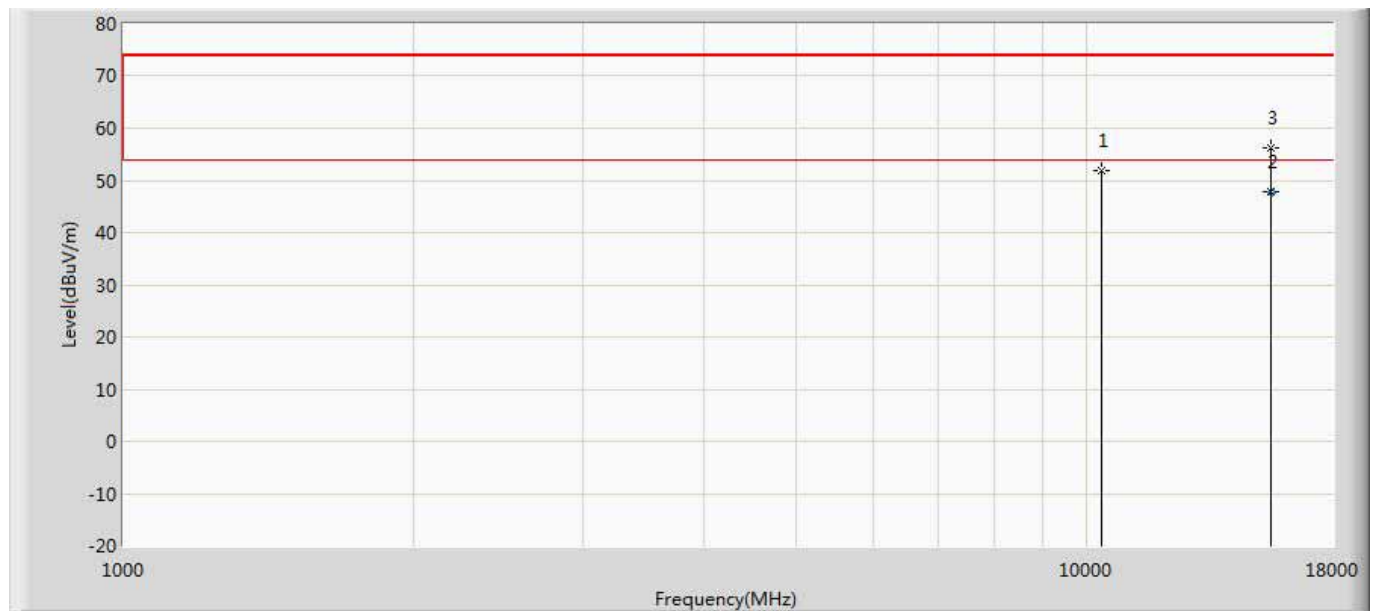
Engineer:Damon	
Site: AC5	Time: 2017/09/24 - 22:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 6:Transmit at channel 5775MHz by 11ac80	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	44.393	35.295	-29.607	74.000	9.098	PK
2	*	17325.000	50.348	32.962	-23.652	74.000	17.387	PK

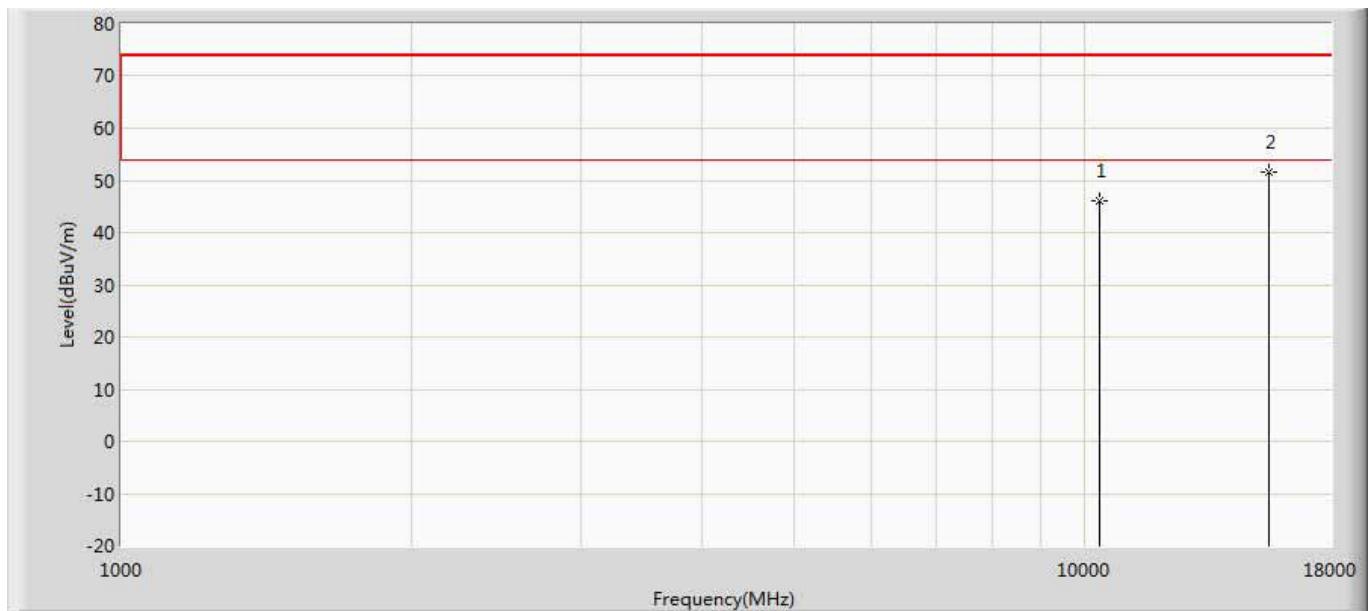
With Beamforming

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5180MHz by 11A with Beamforming	



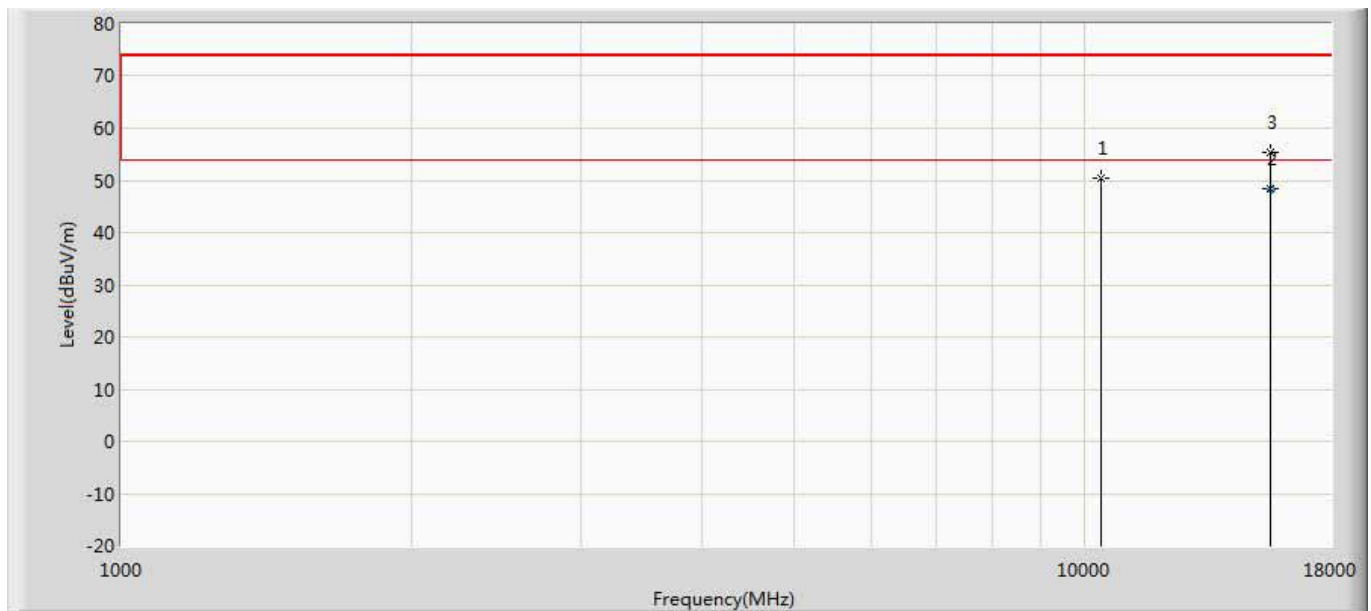
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10367.000	51.783	44.220	-22.217	74.000	7.563	PK
2	*	15526.475	47.714	32.025	-6.286	54.000	15.689	AV
3		15526.500	56.212	40.522	-17.788	74.000	15.690	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5180MHz by 11A with Beamforming	



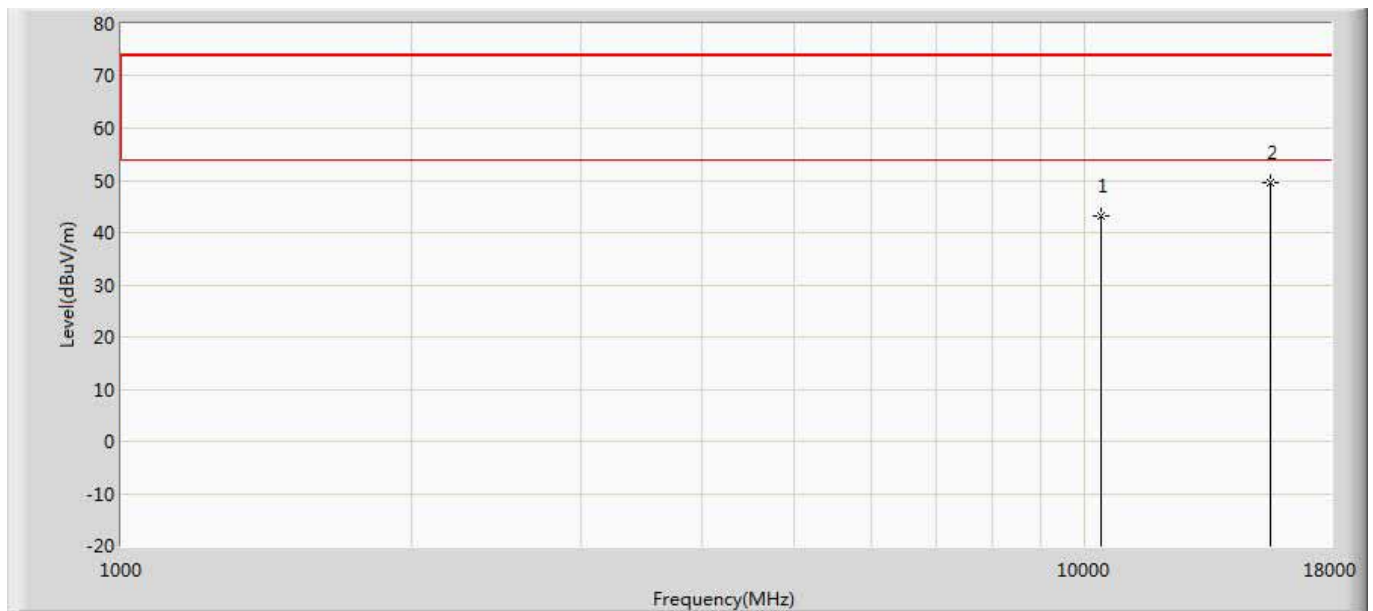
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	46.114	39.088	-27.886	74.000	7.026	PK
2	*	15540.000	51.696	36.054	-22.304	74.000	15.642	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5200MHz by 11A with Beamforming	



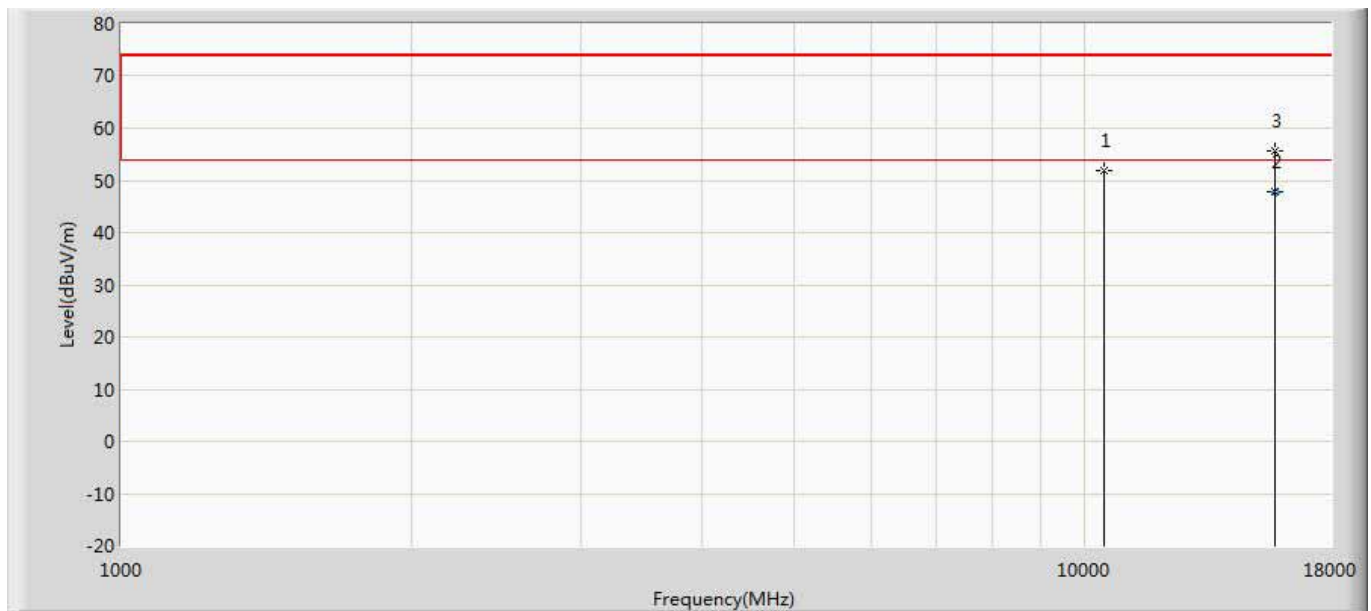
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10401.000	50.376	44.187	-23.624	74.000	6.189	PK
2	*	15602.750	48.468	32.654	-5.532	54.000	15.814	AV
3		15603.000	55.505	39.675	-18.495	74.000	15.830	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5200MHz by 11A with Beamforming	



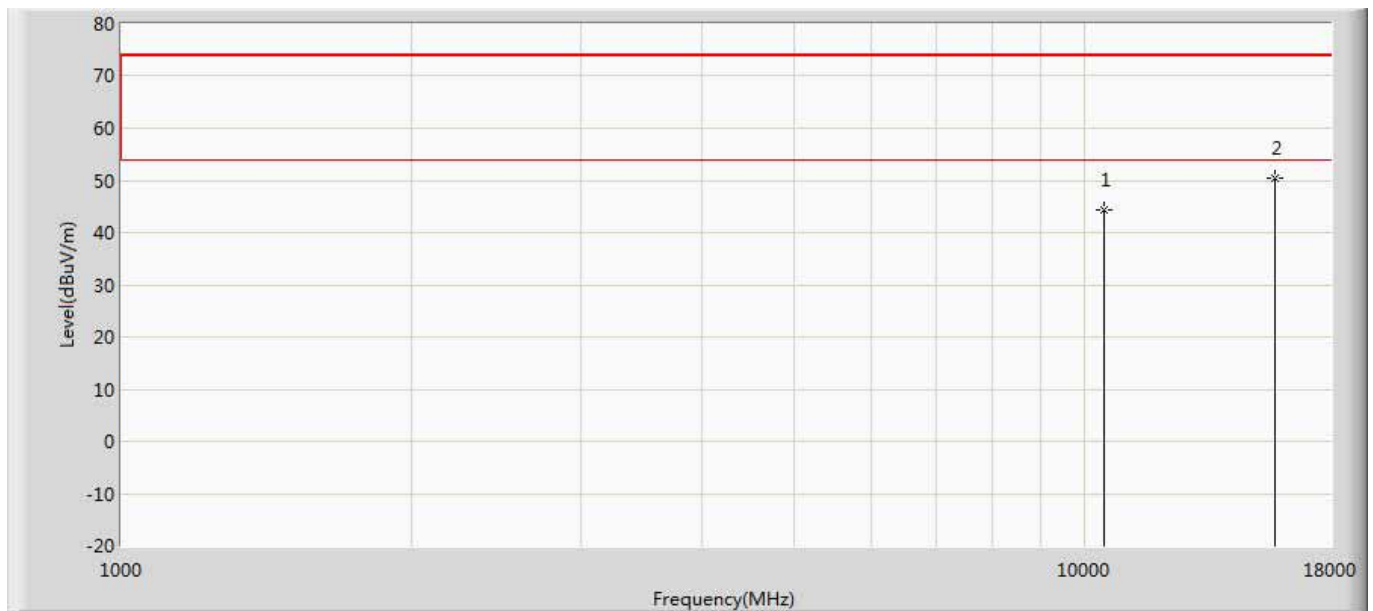
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10400.000	43.134	36.895	-30.866	74.000	6.239	PK
2	*	15600.000	49.554	33.915	-24.446	74.000	15.639	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5240MHz by 11A with Beamforming	



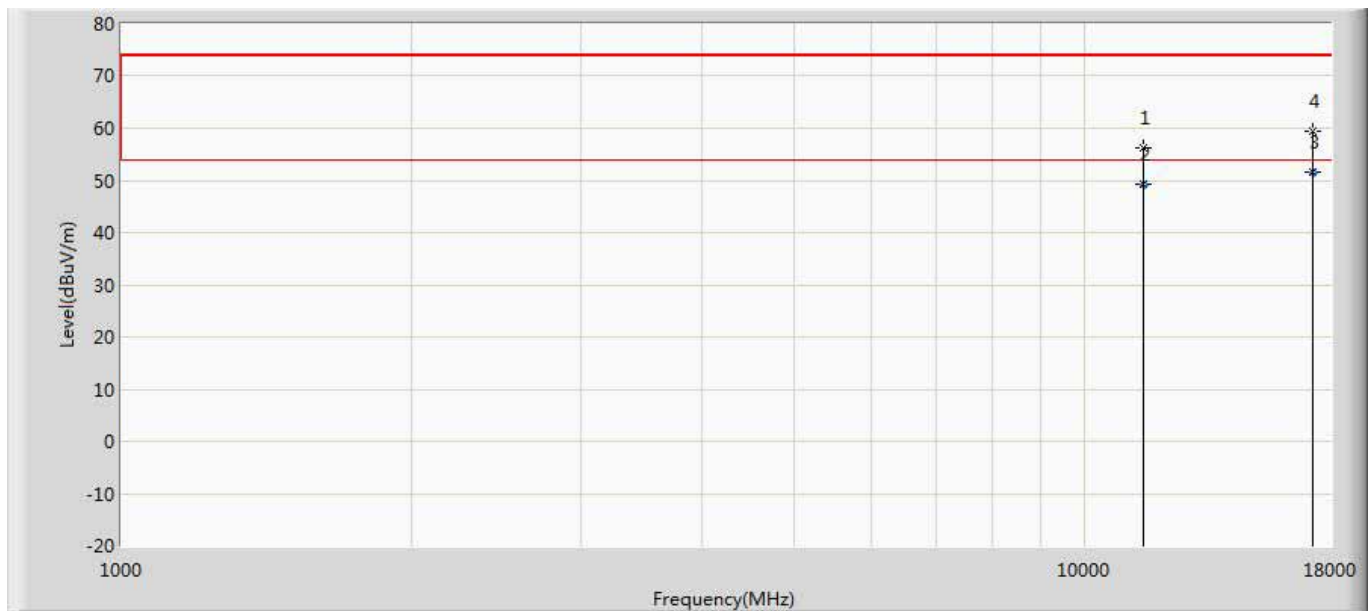
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10477.500	51.919	44.253	-22.081	74.000	7.666	PK
2	*	15721.480	47.932	32.012	-6.068	54.000	15.919	AV
3		15722.000	55.645	39.707	-18.355	74.000	15.938	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5240MHz by 11A with Beamforming	



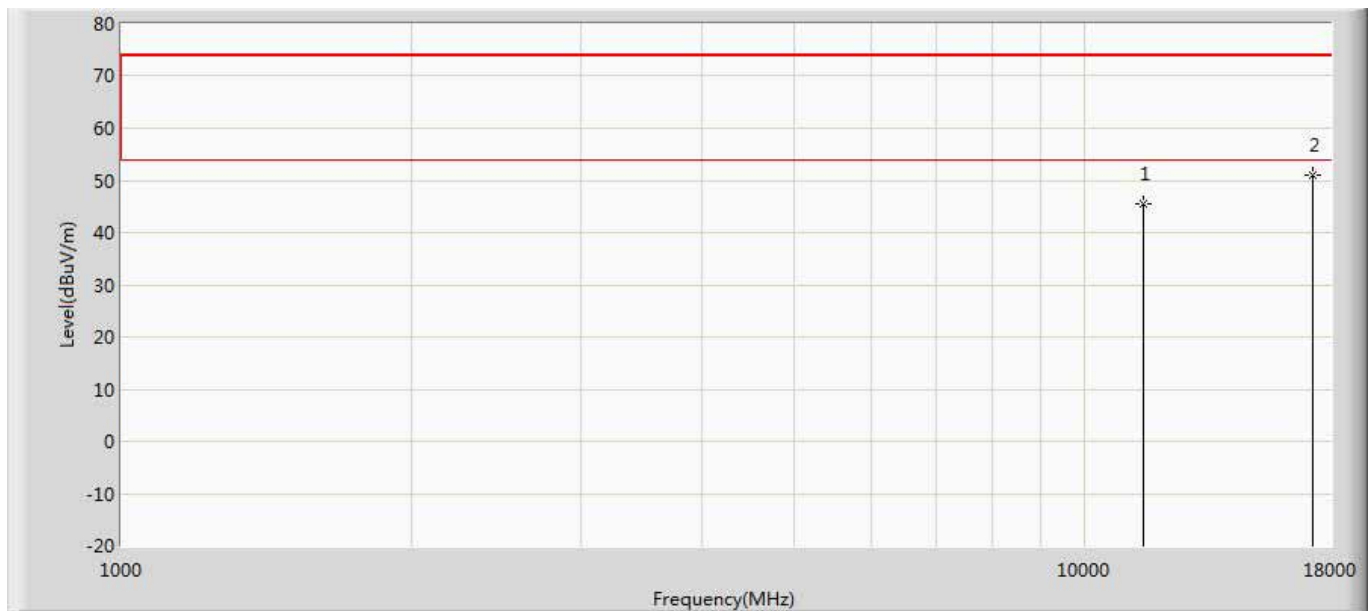
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	44.288	36.562	-29.712	74.000	7.727	PK
2	*	15720.000	50.413	34.546	-23.587	74.000	15.867	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5745MHz by 11A with Beamforming	



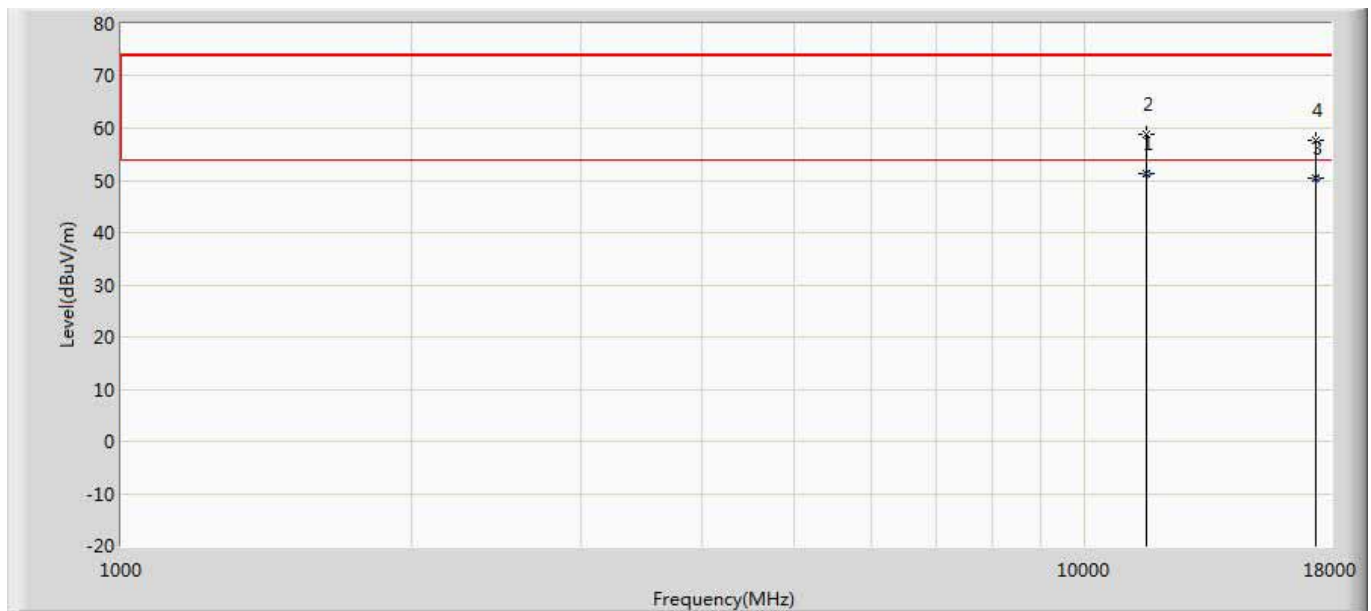
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11489.000	56.257	46.602	-17.743	74.000	9.655	PK
2		11489.041	49.197	39.541	-4.803	54.000	9.656	AV
3	*	17225.490	51.458	33.542	-2.542	54.000	17.917	AV
4		17226.500	59.512	41.586	-14.488	74.000	17.926	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5745MHz by 11A with Beamforming	



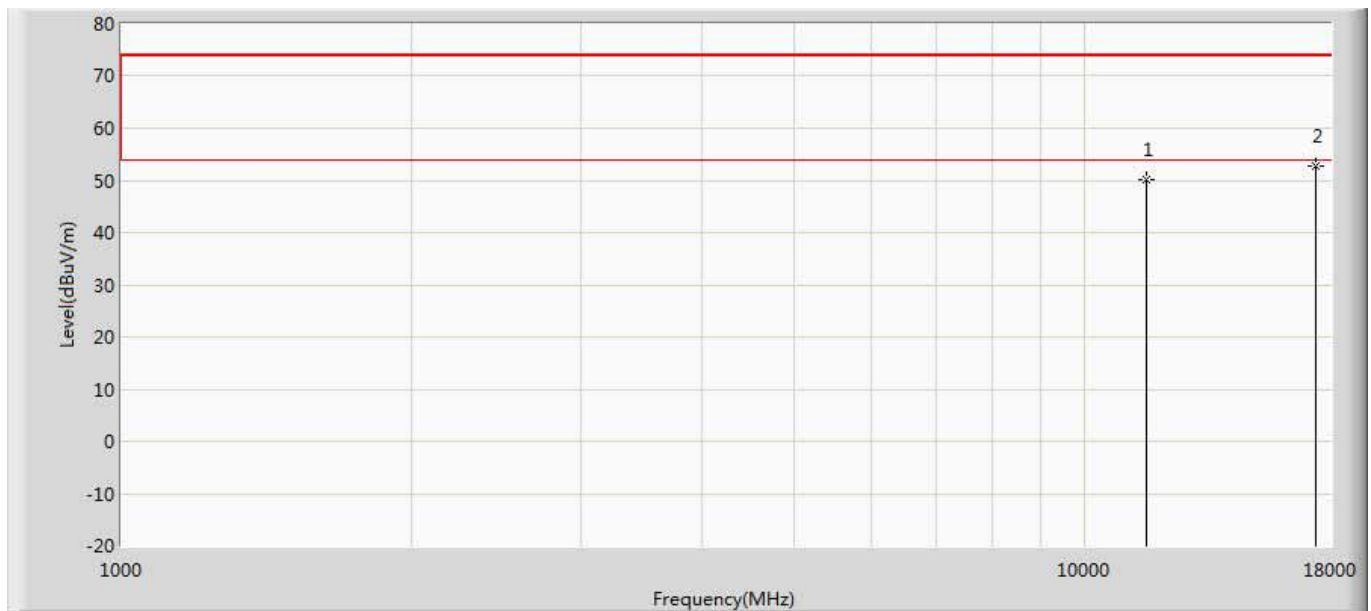
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.604	35.918	-28.396	74.000	9.686	PK
2	*	17235.000	50.949	32.938	-23.051	74.000	18.011	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5785MHz by 11A with Beamforming	



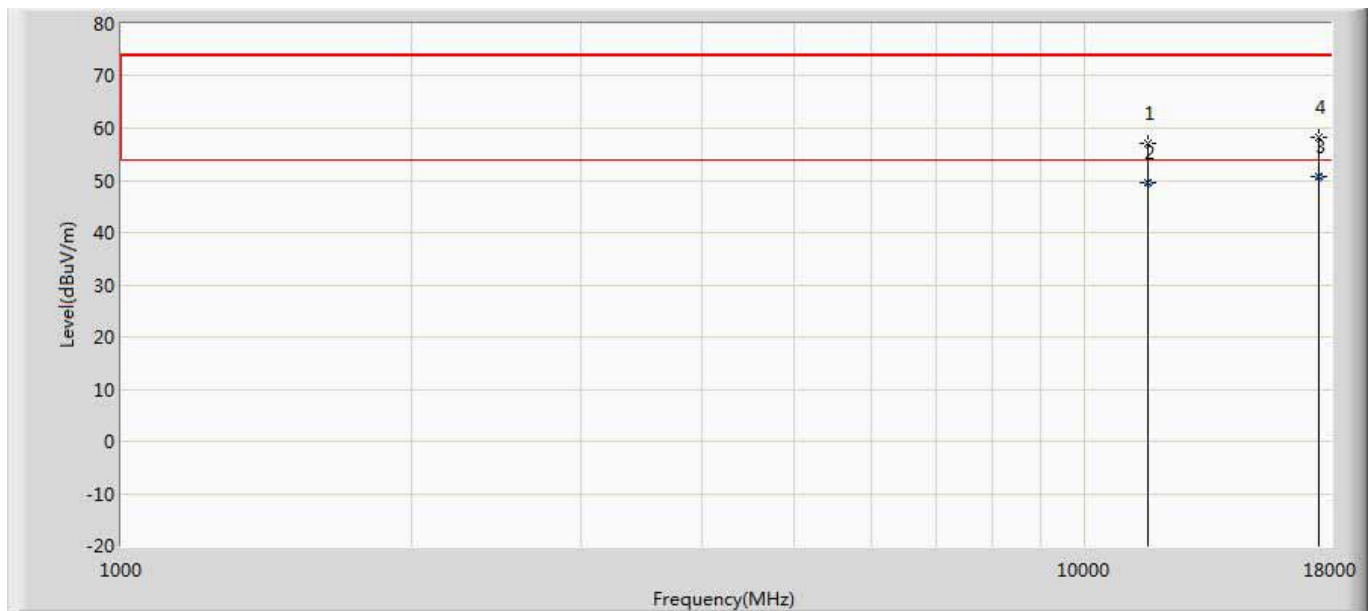
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11573.256	51.383	41.258	-2.617	54.000	10.125	AV
2		11574.000	58.837	48.669	-15.163	74.000	10.168	PK
3		17353.980	50.513	32.057	-3.487	54.000	18.456	AV
4		17354.000	57.600	39.143	-16.400	74.000	18.457	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5785MHz by 11A with Beamforming	



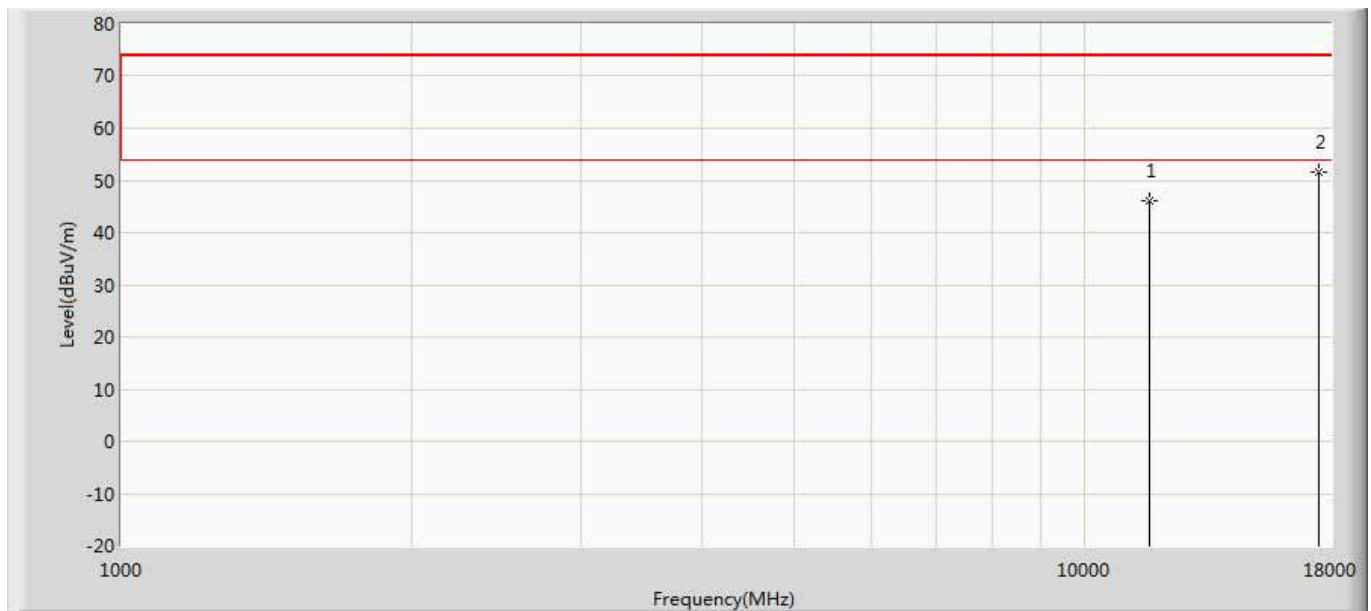
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11574.000	50.032	39.864	-23.968	74.000	10.168	PK
2	*	17355.000	52.662	34.312	-21.338	74.000	18.350	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5825MHz by 11A with Beamforming	



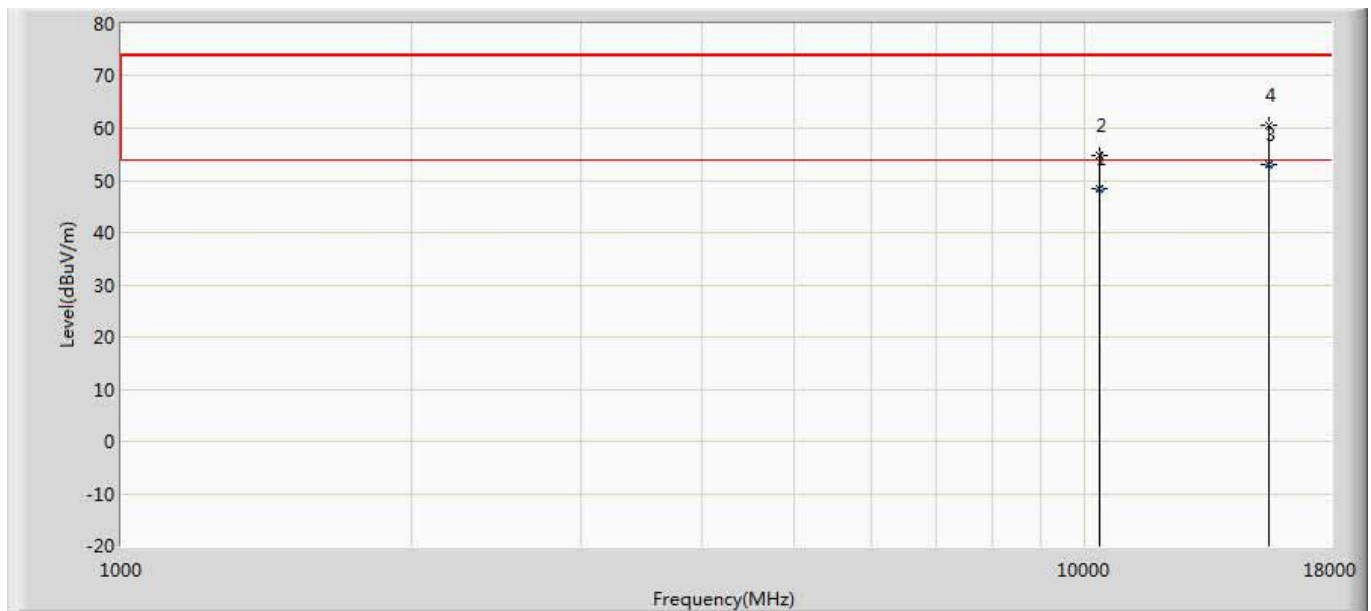
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11642.000	57.179	46.948	-16.821	74.000	10.231	PK
2		11643.540	49.676	39.524	-4.324	54.000	10.152	AV
3	*	17472.295	50.607	33.645	-3.393	54.000	16.962	AV
4		17473.000	58.229	41.280	-15.771	74.000	16.949	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 7:Transmit at channel 5825MHz by 11A with Beamforming	



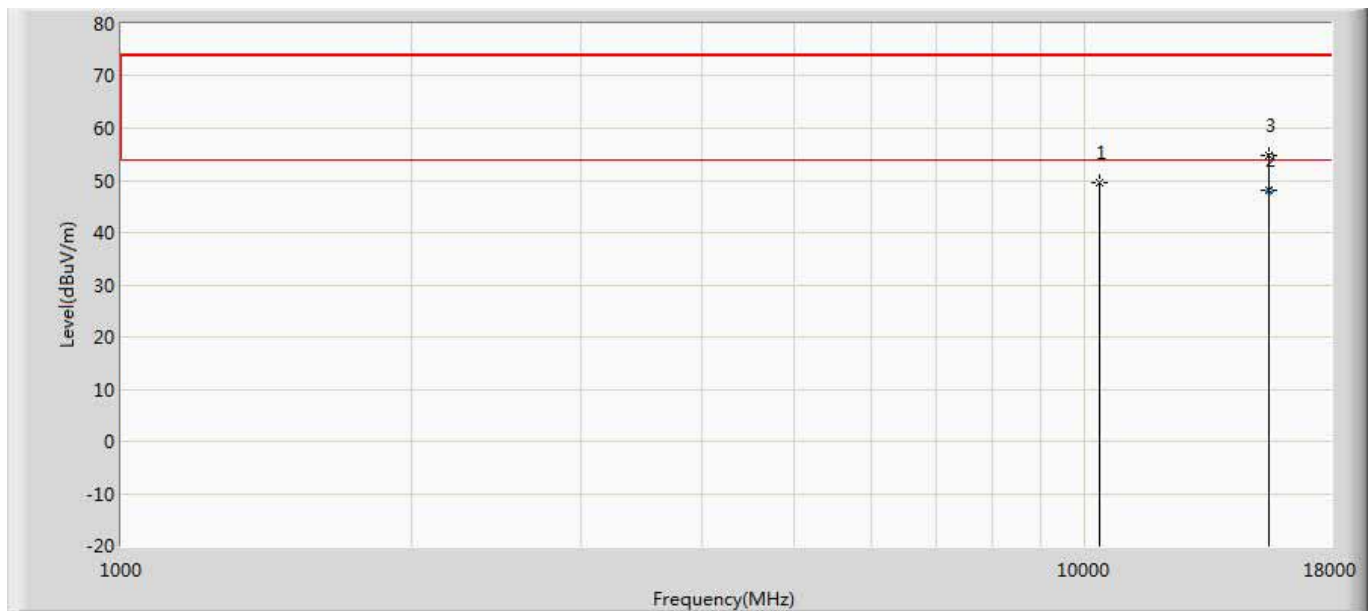
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.062	36.239	-27.938	74.000	9.823	PK
2	*	17475.000	51.620	34.701	-22.380	74.000	16.919	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5180MHz by 11N20 with Beamforming	



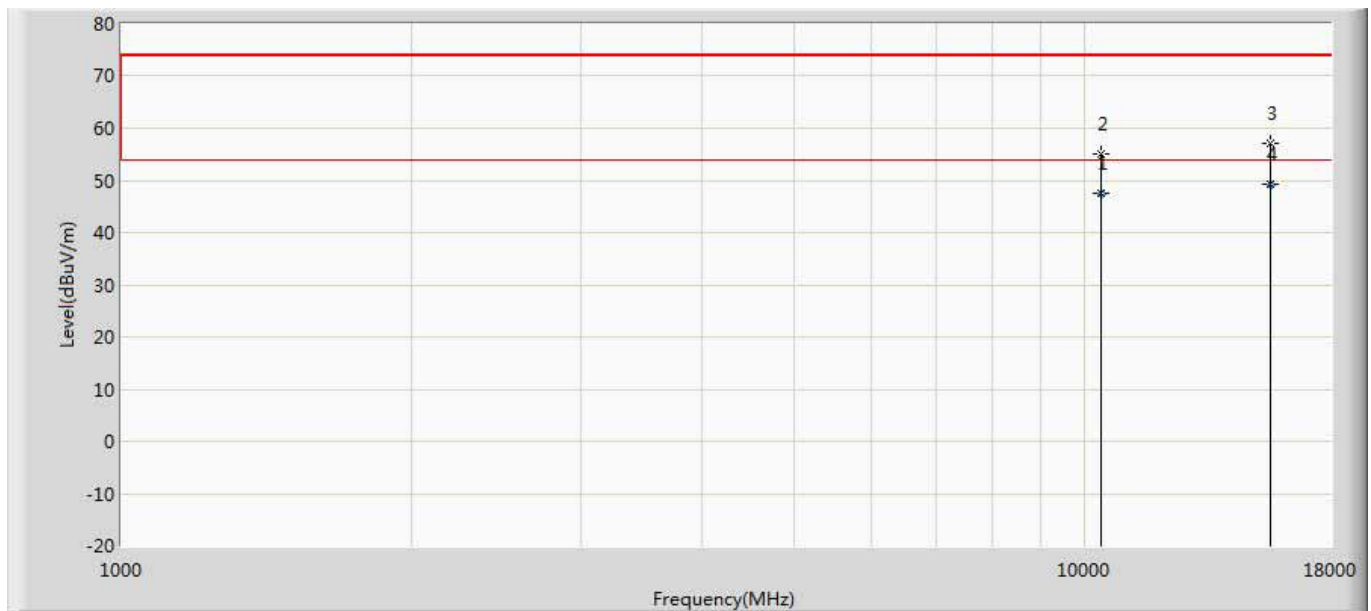
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10357.254	48.338	41.523	-5.662	54.000	6.815	AV
2		10358.500	54.721	47.810	-19.279	74.000	6.910	PK
3	*	15525.492	53.179	37.514	-0.821	54.000	15.665	AV
4		15526.500	60.465	44.775	-13.535	74.000	15.690	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5180MHz by 11N20 with Beamforming	



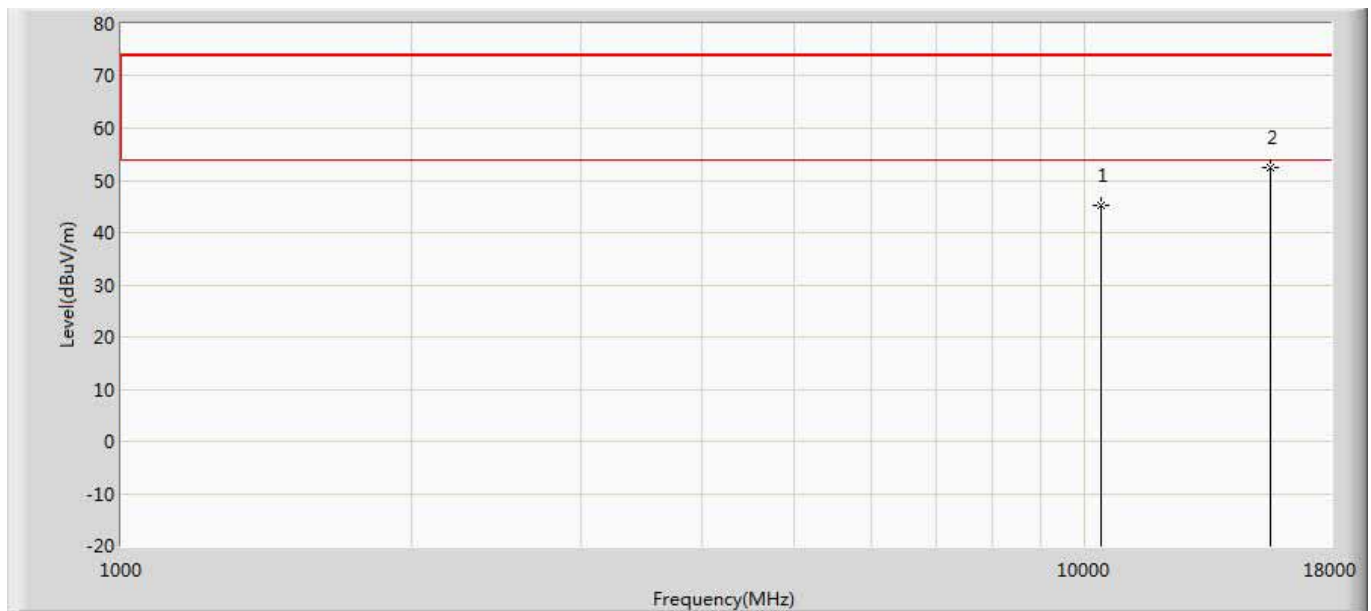
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10358.500	49.623	42.712	-24.377	74.000	6.910	PK
2	*	15542.584	48.023	32.514	-5.977	54.000	15.509	AV
3		15543.500	54.909	39.447	-19.091	74.000	15.462	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5200MHz by 11N20 with Beamforming	



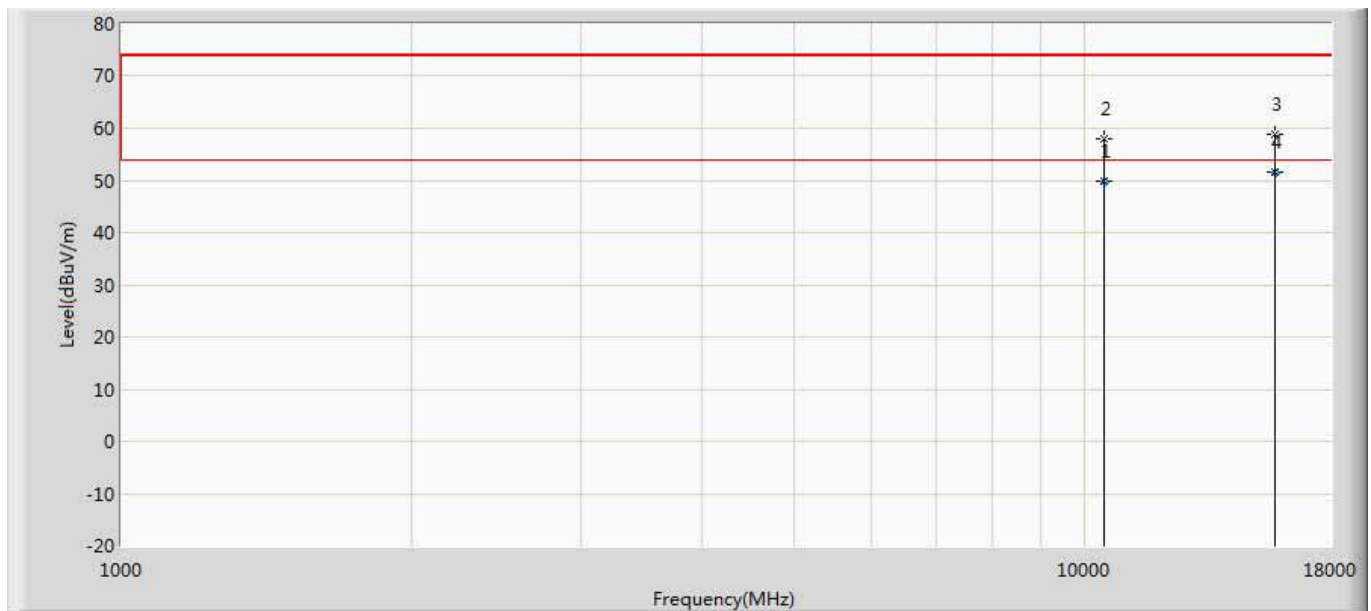
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10400.356	47.472	41.251	-6.528	54.000	6.220	AV
2		10401.000	54.965	48.776	-19.035	74.000	6.189	PK
3		15594.500	57.180	41.891	-16.820	74.000	15.288	PK
4	*	15594.524	49.144	33.854	-4.856	54.000	15.291	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5200MHz by 11N20 with Beamforming	



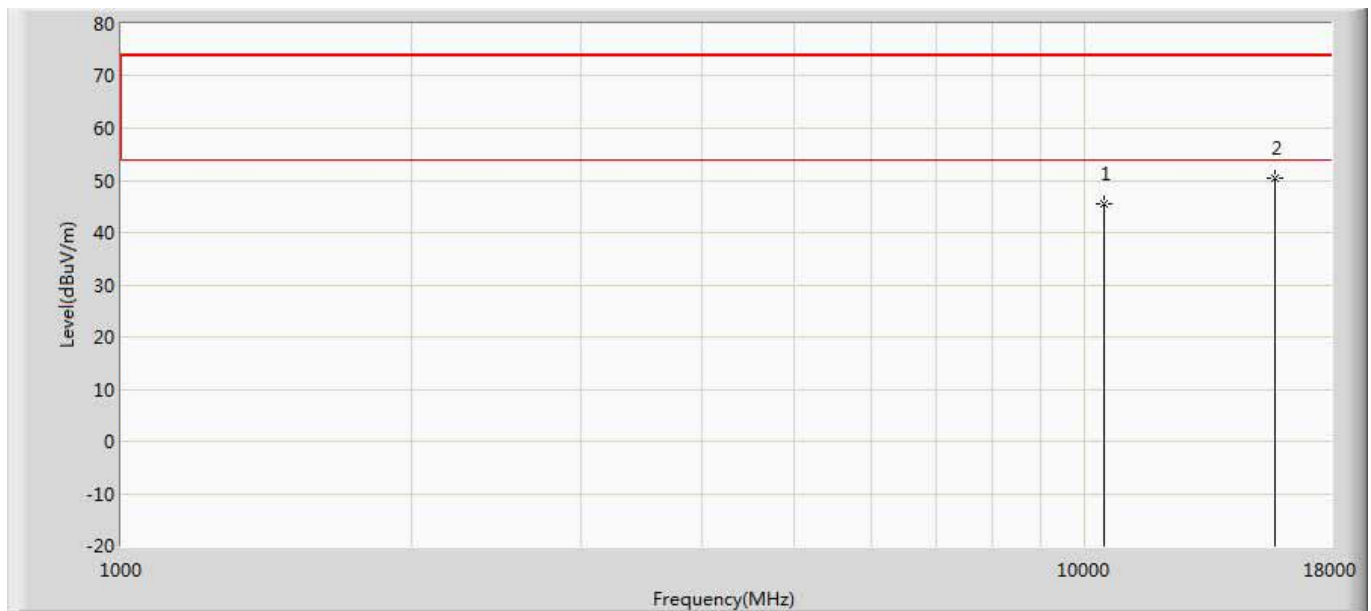
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10400.000	45.248	39.009	-28.752	74.000	6.239	PK
2	*	15600.000	52.463	36.824	-21.537	74.000	15.639	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5240MHz by 11N20 with Beamforming	



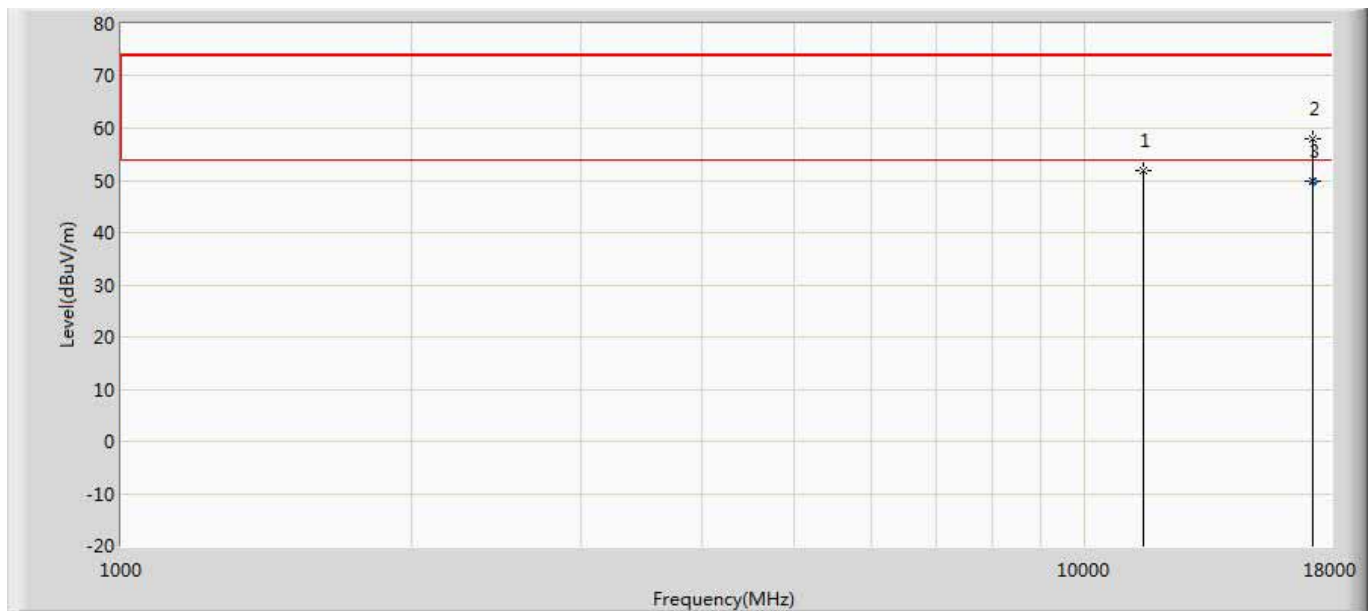
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10485.548	49.883	42.024	-4.117	54.000	7.860	AV
2		10486.000	58.027	50.157	-15.973	74.000	7.870	PK
3		15722.000	58.904	42.966	-15.096	74.000	15.938	PK
4	*	15722.010	51.457	35.519	-2.543	54.000	15.938	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5240MHz by 11N20 with Beamforming	



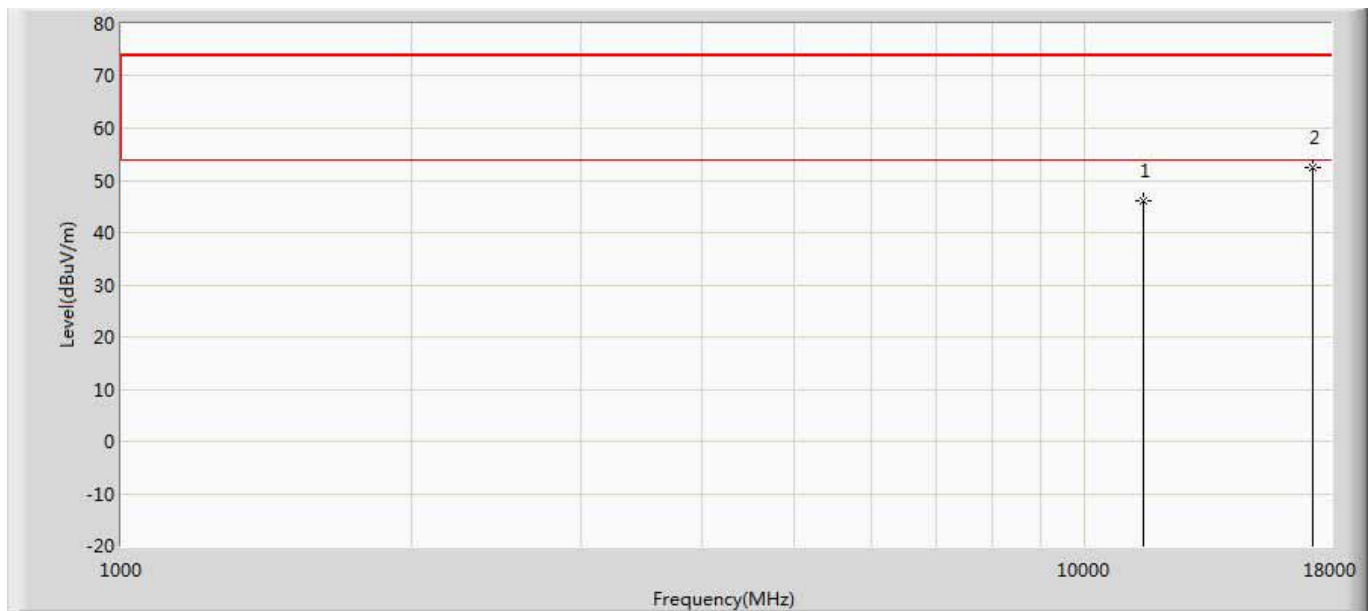
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.598	37.872	-28.402	74.000	7.727	PK
2	*	15720.000	50.440	34.573	-23.560	74.000	15.867	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5745MHz by 11N20 with Beamforming	



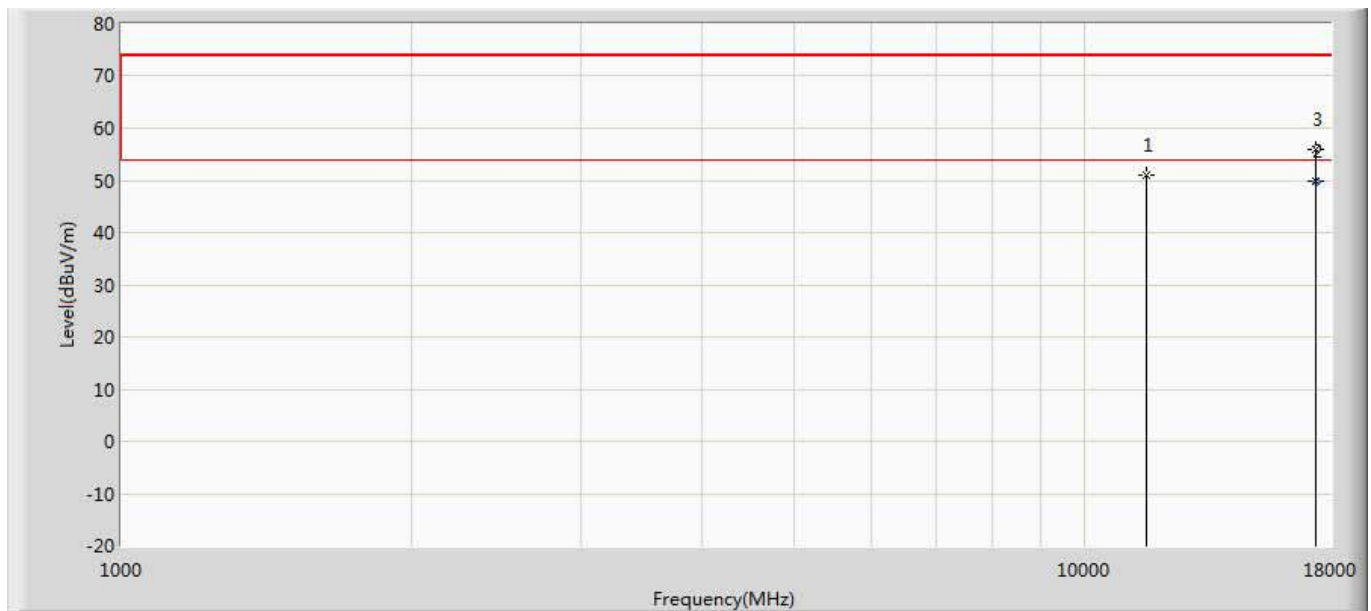
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11489.000	51.945	42.290	-22.055	74.000	9.655	PK
2		17226.500	57.998	40.072	-16.002	74.000	17.926	PK
3	*	17228.520	49.967	32.021	-4.033	54.000	17.946	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5745MHz by 11N20 with Beamforming	



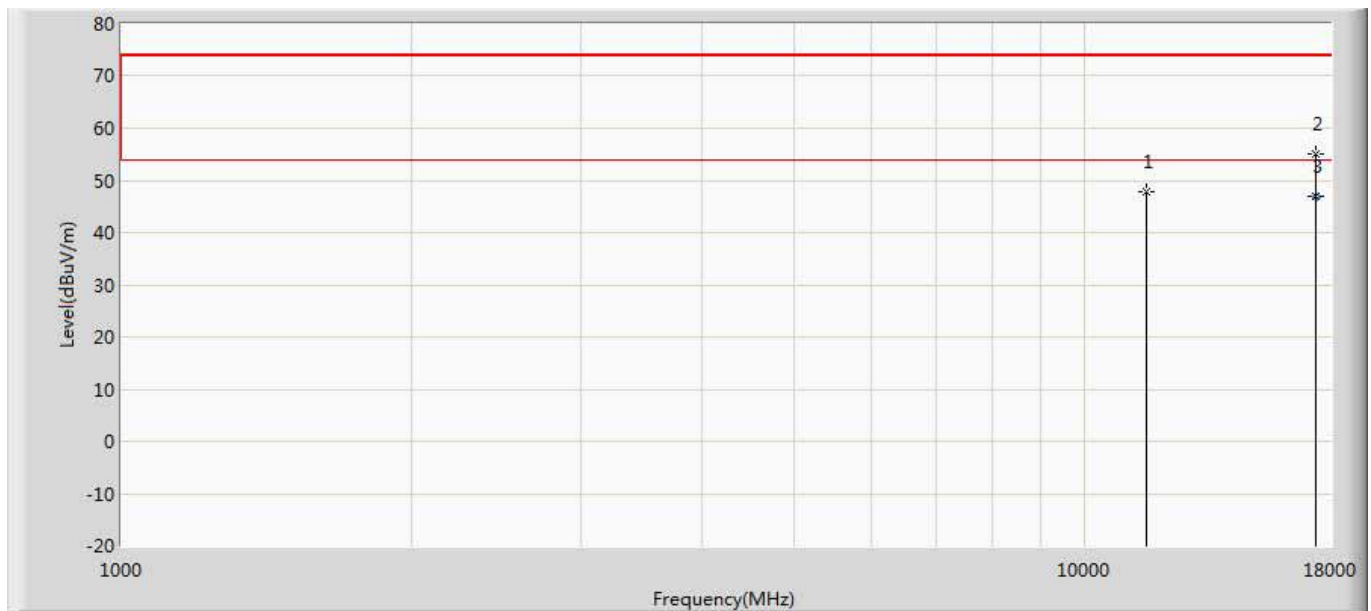
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	45.960	36.274	-28.040	74.000	9.686	PK
2	*	17235.000	52.545	34.534	-21.455	74.000	18.011	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5785MHz by 11N20 with Beamforming	



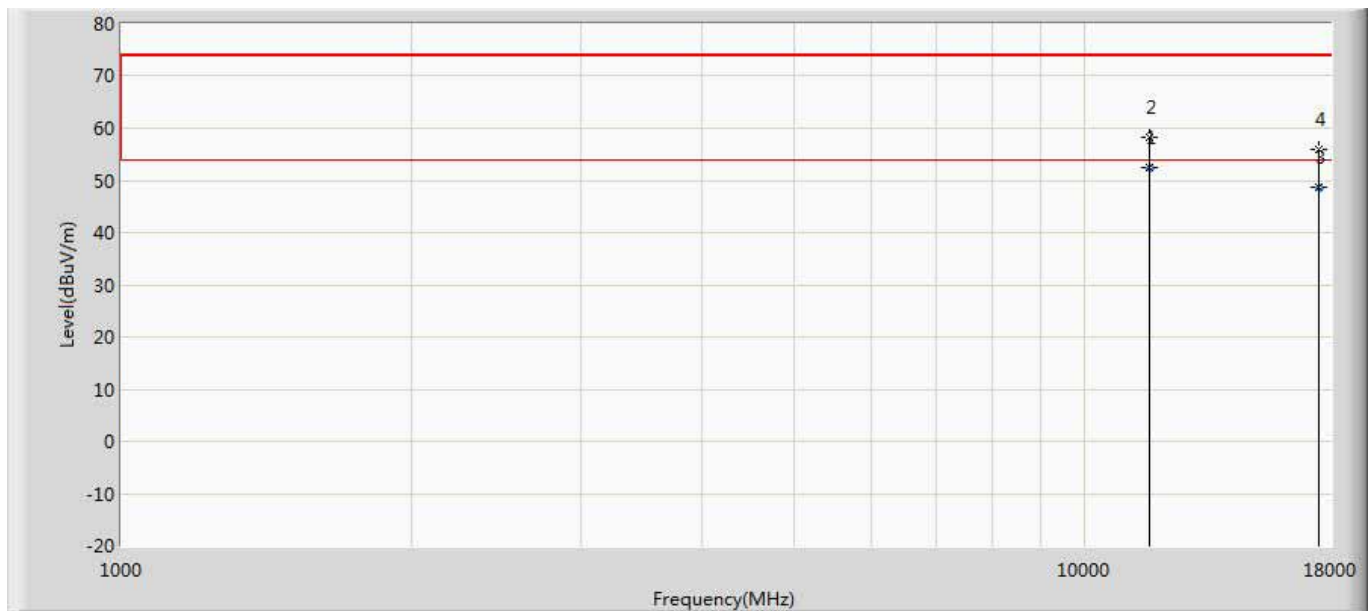
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11574.000	51.033	40.865	-22.967	74.000	10.168	PK
2	*	17353.690	49.972	31.524	-4.028	54.000	18.448	AV
3		17354.000	56.013	37.556	-17.987	74.000	18.457	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5785MHz by 11N20 with Beamforming	



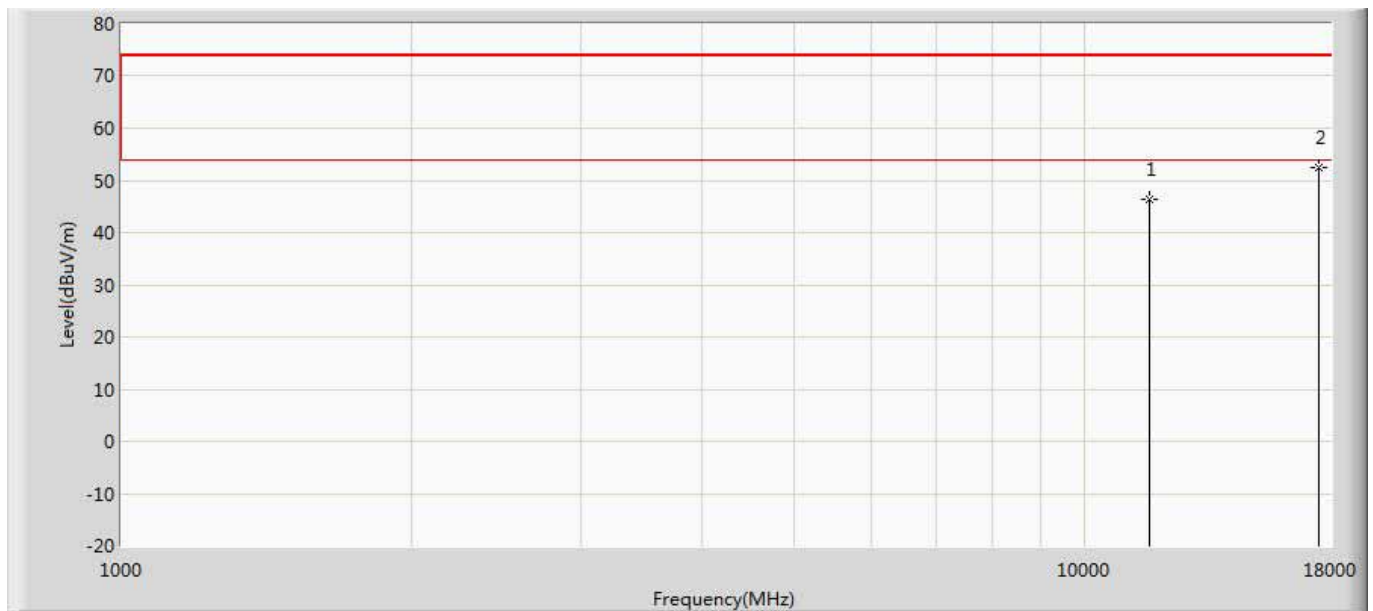
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.884	37.948	-26.116	74.000	9.936	PK
2		17355.000	55.027	36.677	-18.973	74.000	18.350	PK
3	*	17355.230	46.924	28.598	-7.076	54.000	18.326	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5825MHz by 11N20 with Beamforming	



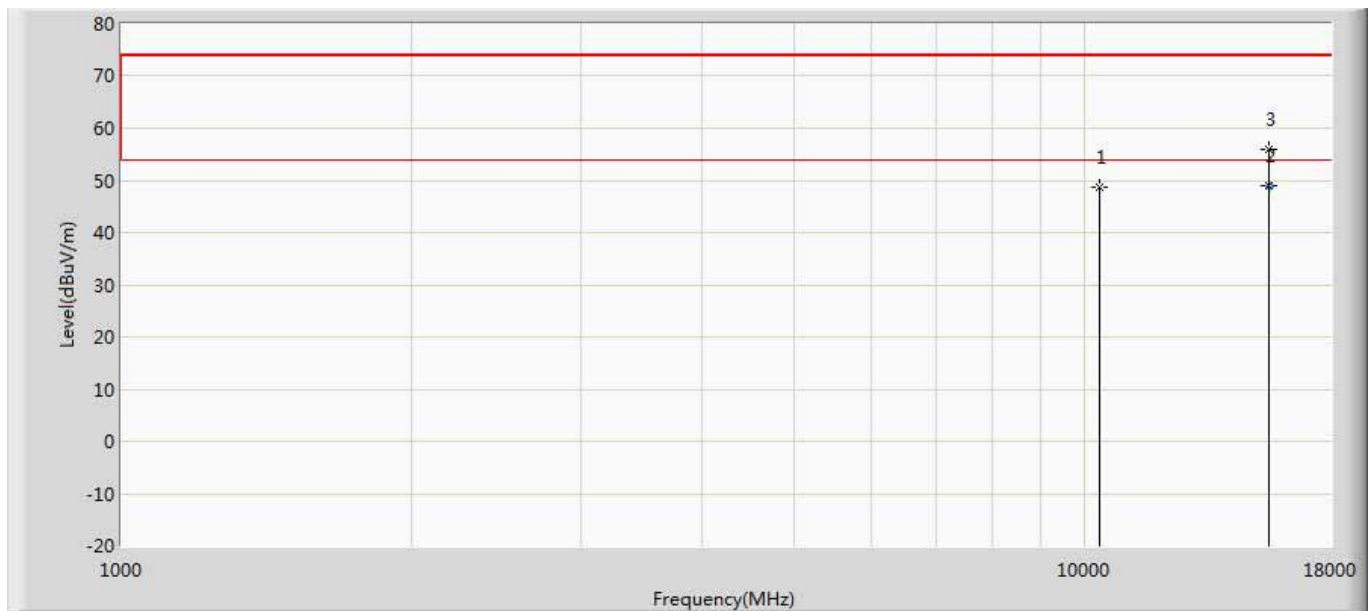
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11650.410	52.386	42.584	-1.614	54.000	9.802	AV
2		11650.500	58.179	48.382	-15.821	74.000	9.798	PK
3		17455.820	48.799	31.541	-5.201	54.000	17.257	AV
4		17456.000	55.841	38.584	-18.159	74.000	17.257	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 8:Transmit at channel 5825MHz by 11N20 with Beamforming	



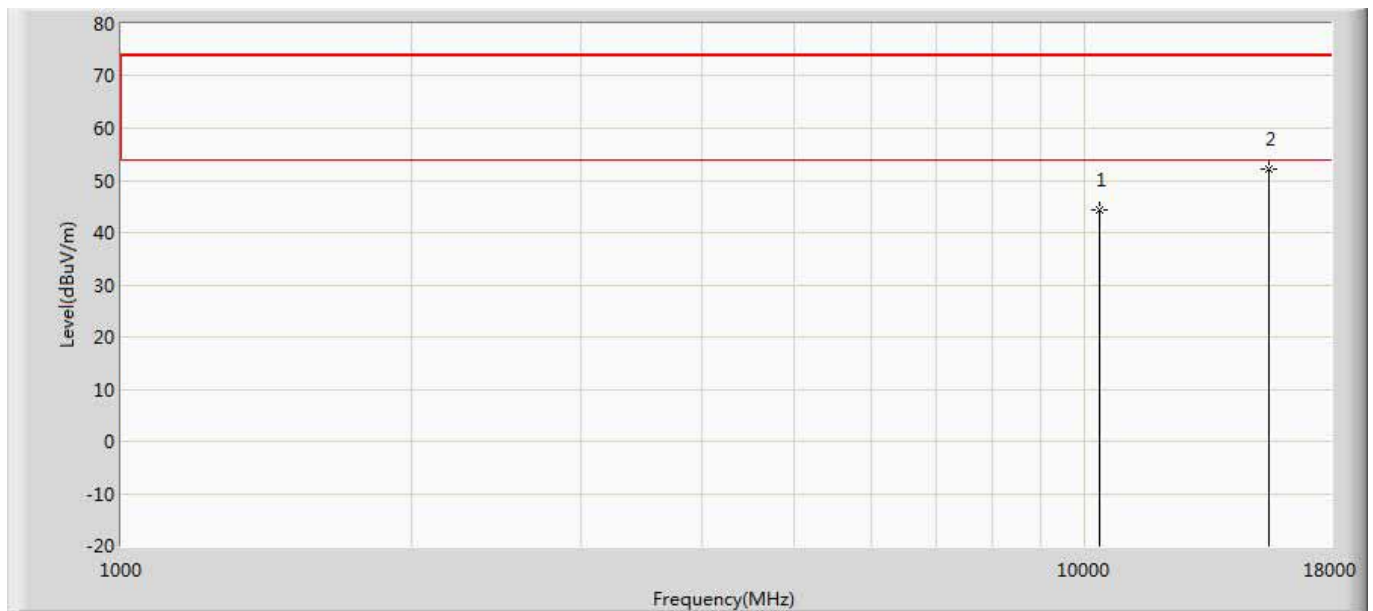
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.443	36.620	-27.557	74.000	9.823	PK
2	*	17475.000	52.474	35.555	-21.526	74.000	16.919	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5180MHz by 11AC20 with Beamforming	



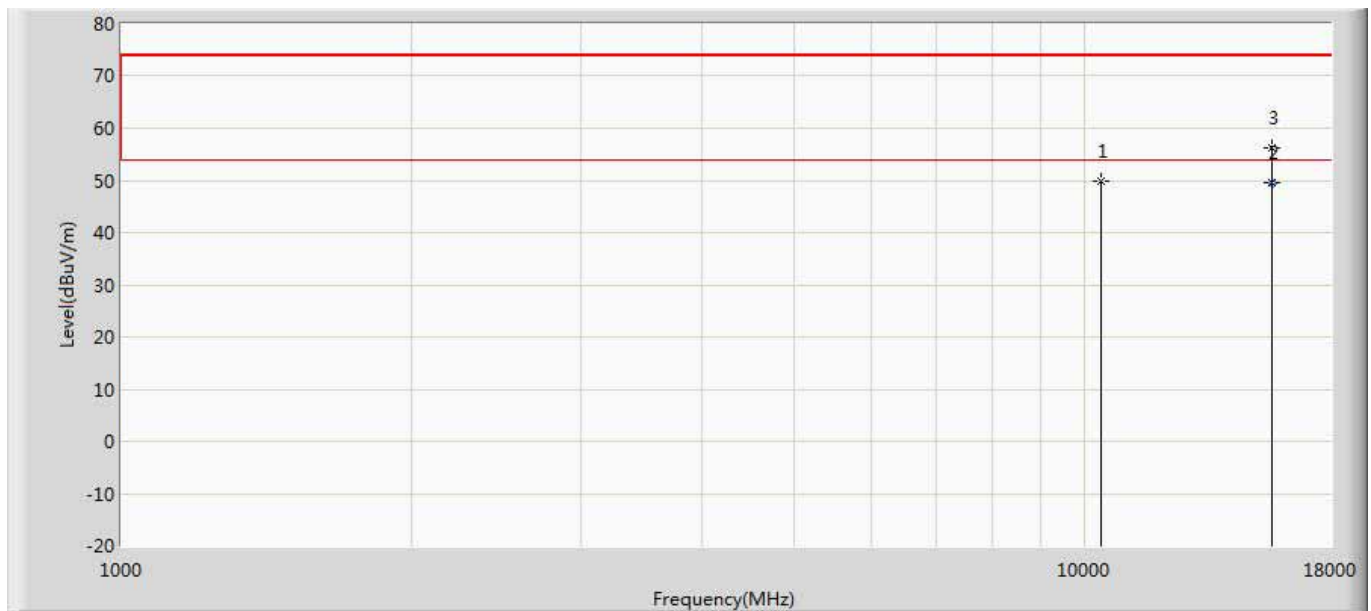
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10358.500	48.674	41.763	-25.326	74.000	6.910	PK
2	*	15534.584	48.853	32.964	-5.147	54.000	15.890	AV
3		15535.000	55.881	39.982	-18.119	74.000	15.899	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5180MHz by 11AC20 with Beamforming	



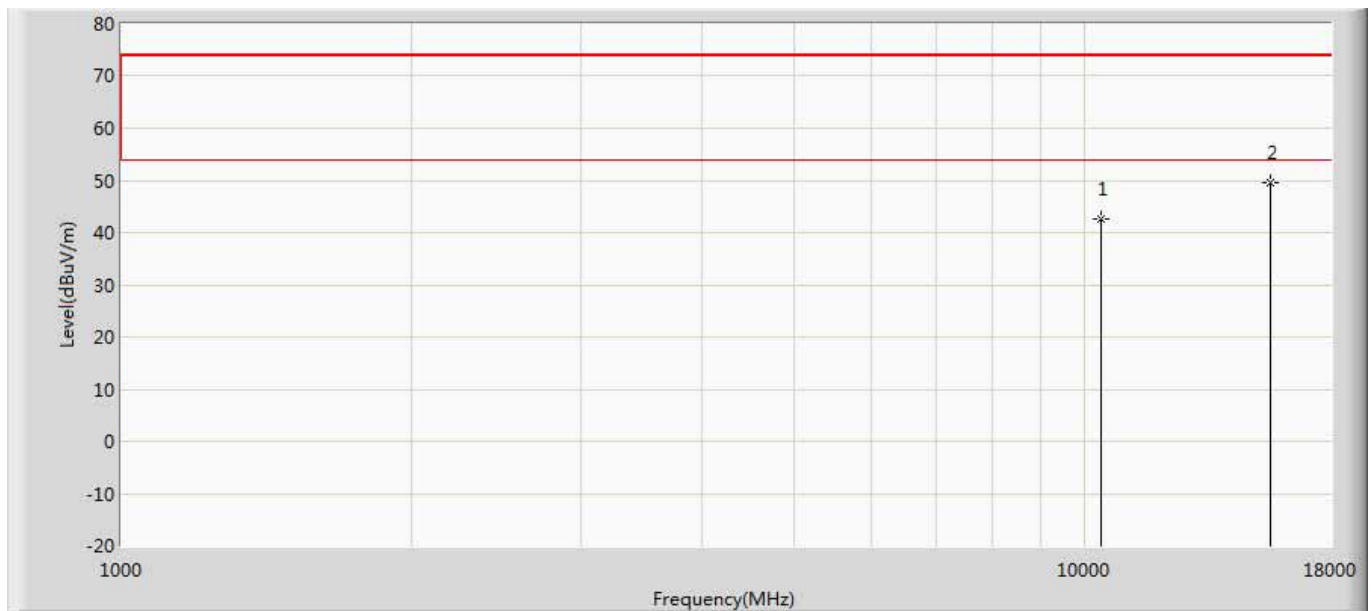
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	44.391	37.365	-29.609	74.000	7.026	PK
2	*	15540.000	52.186	36.544	-21.814	74.000	15.642	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5200MHz by 11AC20 with Beamforming	



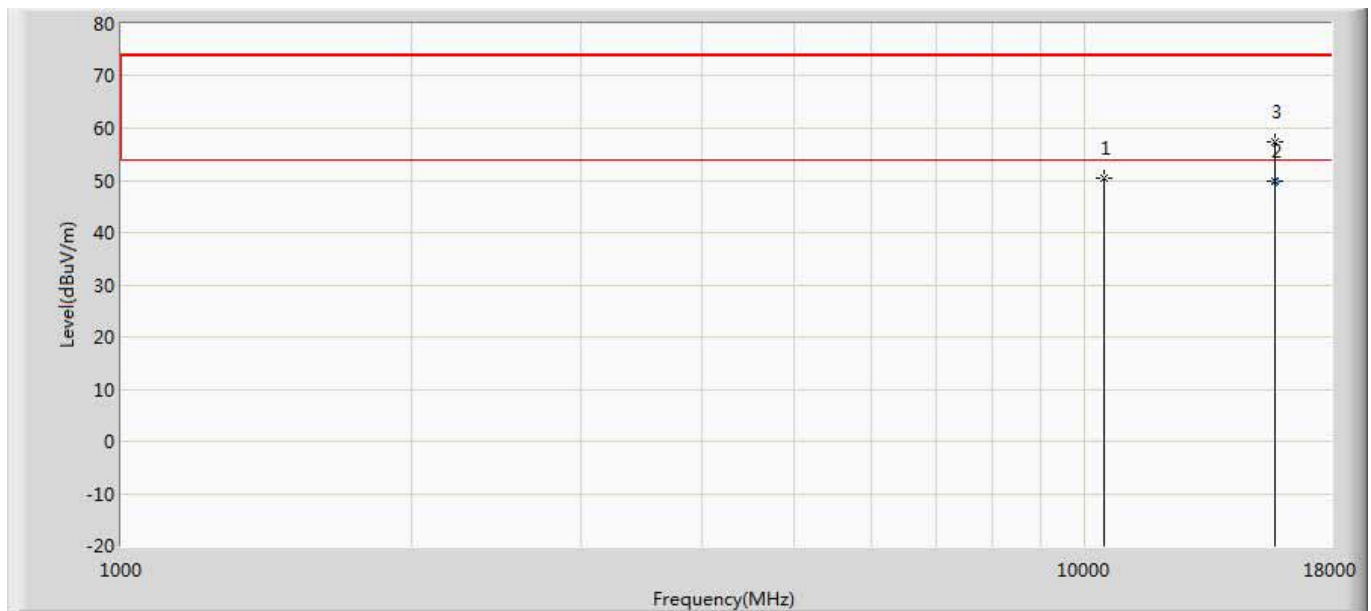
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10401.000	49.915	43.726	-24.085	74.000	6.189	PK
2	*	15610.248	49.540	33.571	-4.460	54.000	15.969	AV
3		15611.500	56.261	40.268	-17.739	74.000	15.993	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5200MHz by 11AC20 with Beamforming	



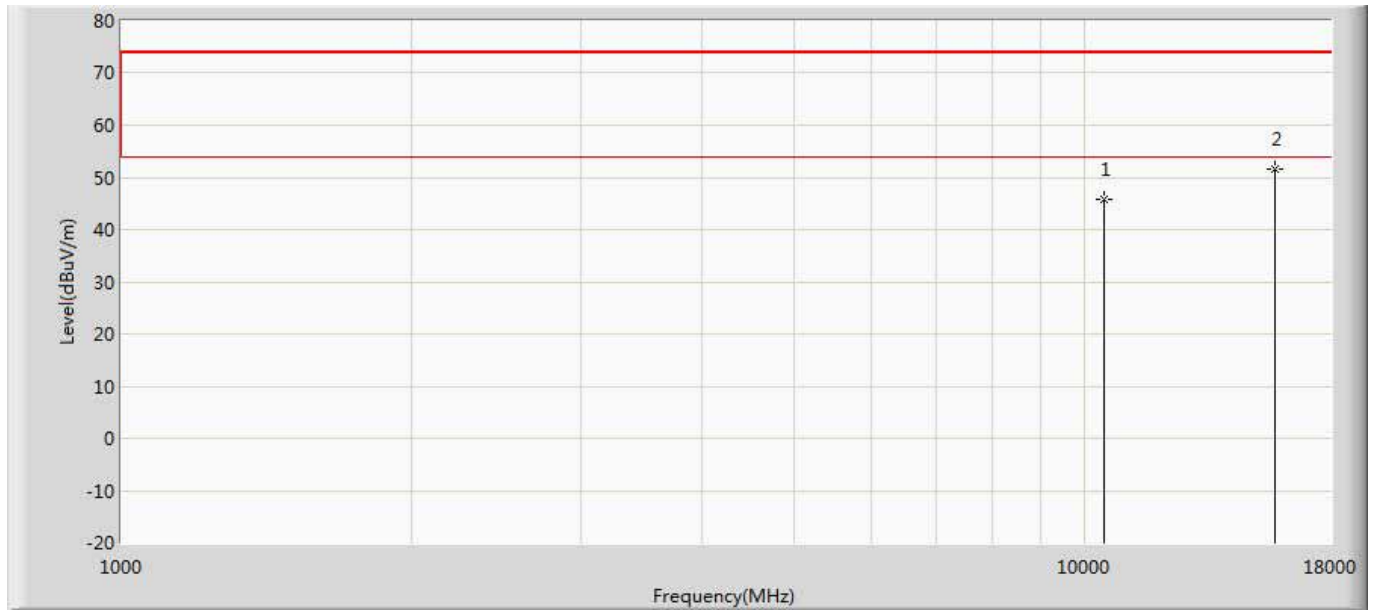
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10400.000	42.533	36.294	-31.467	74.000	6.239	PK
2	*	15600.000	49.674	34.035	-24.326	74.000	15.639	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5240MHz by 11AC20 with Beamforming	



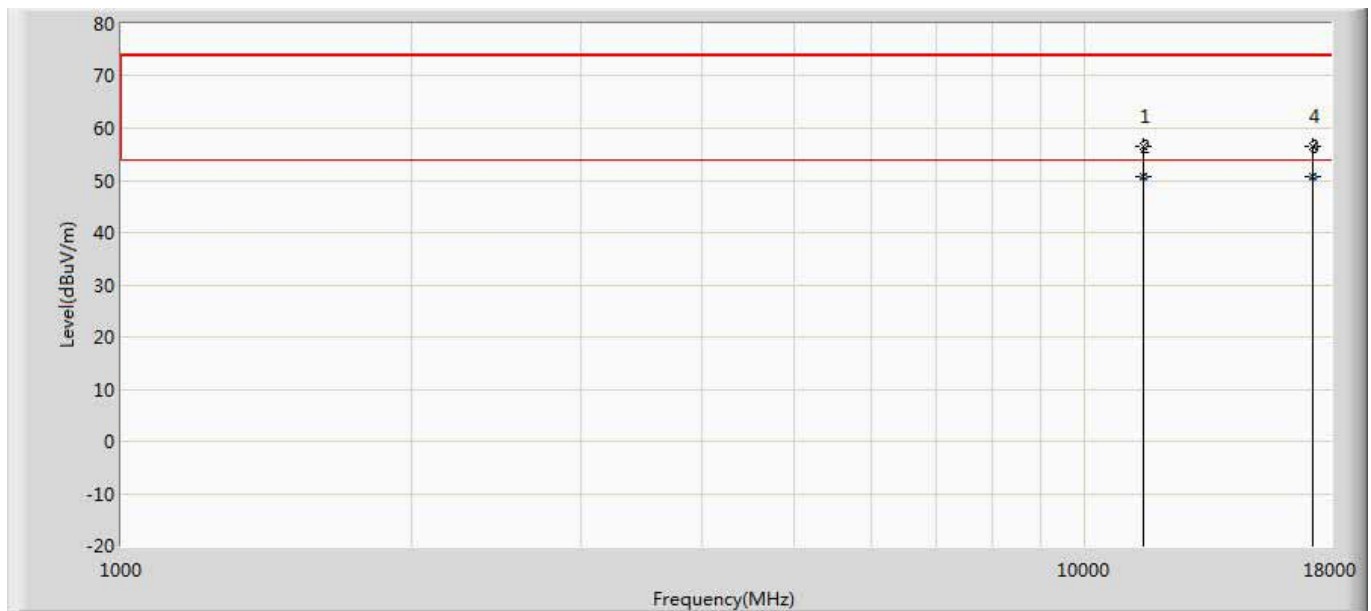
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10486.000	50.466	42.596	-23.534	74.000	7.870	PK
2	*	15721.840	49.786	33.854	-4.214	54.000	15.933	AV
3		15722.000	57.346	41.408	-16.654	74.000	15.938	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5240MHz by 11AC20 with Beamforming	



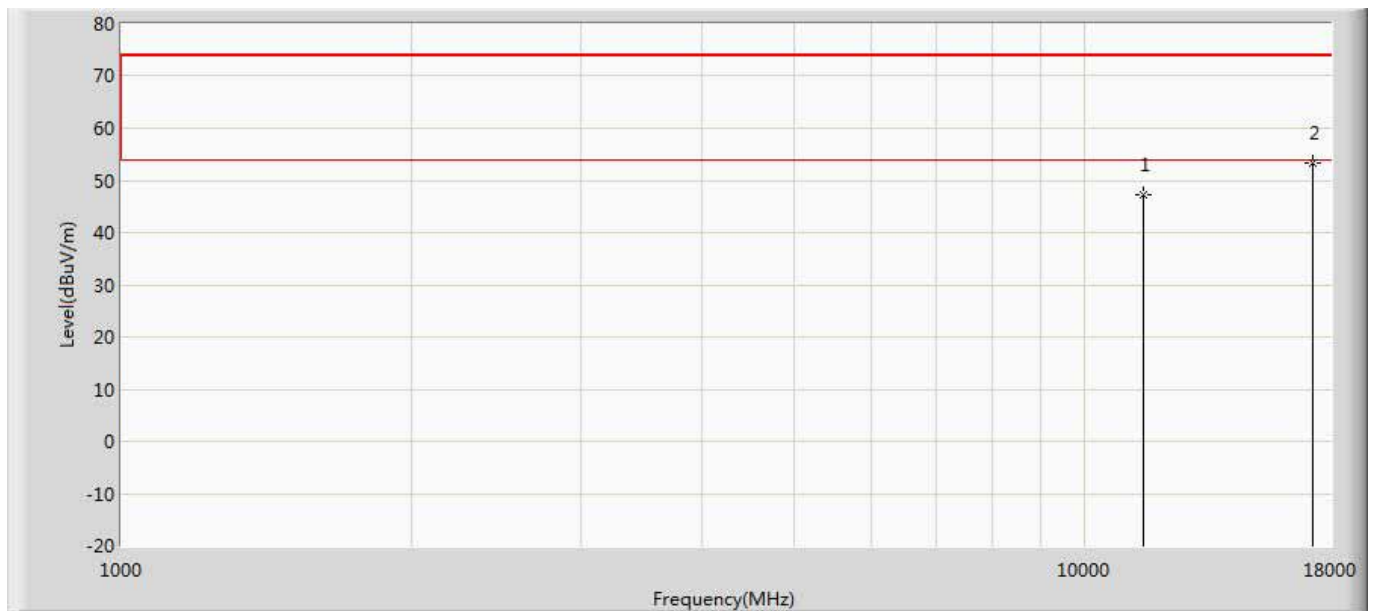
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	45.659	37.933	-28.341	74.000	7.727	PK
2	*	15720.000	51.675	35.808	-22.325	74.000	15.867	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5745MHz by 11AC20 with Beamforming	



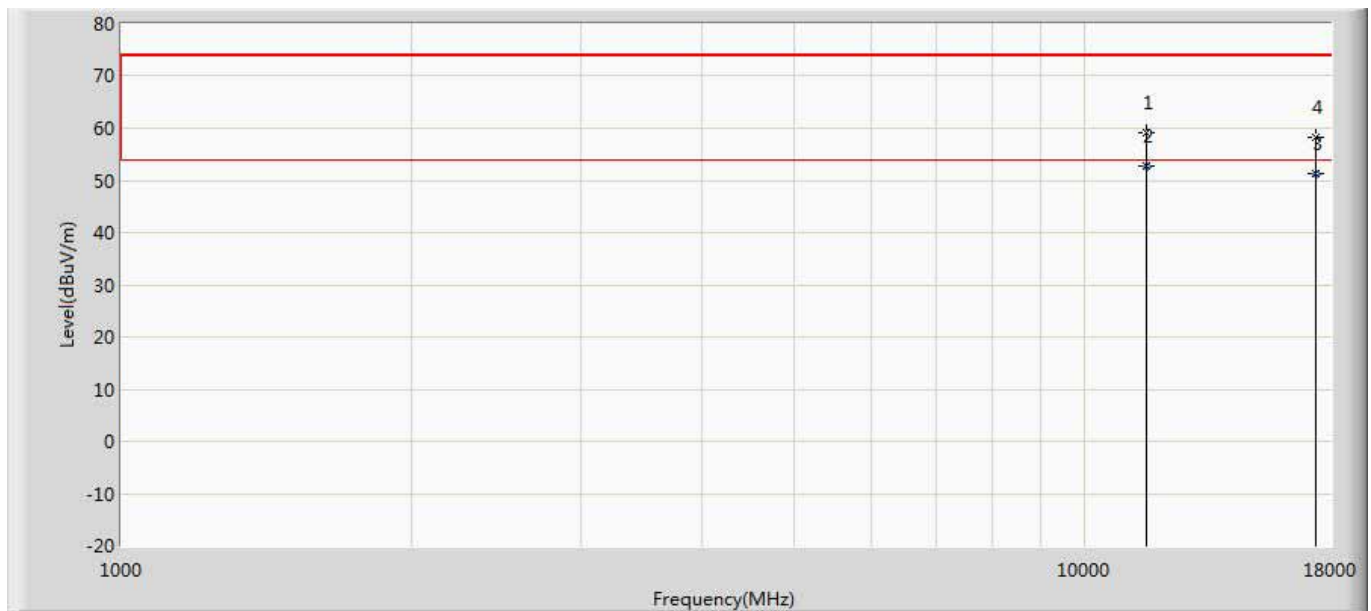
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11489.000	56.664	47.009	-17.336	74.000	9.655	PK
2		11489.520	50.728	41.057	-3.272	54.000	9.672	AV
3	*	17225.691	50.763	32.845	-3.237	54.000	17.917	AV
4		17226.500	56.564	38.638	-17.436	74.000	17.926	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5745MHz by 11AC20 with Beamforming	



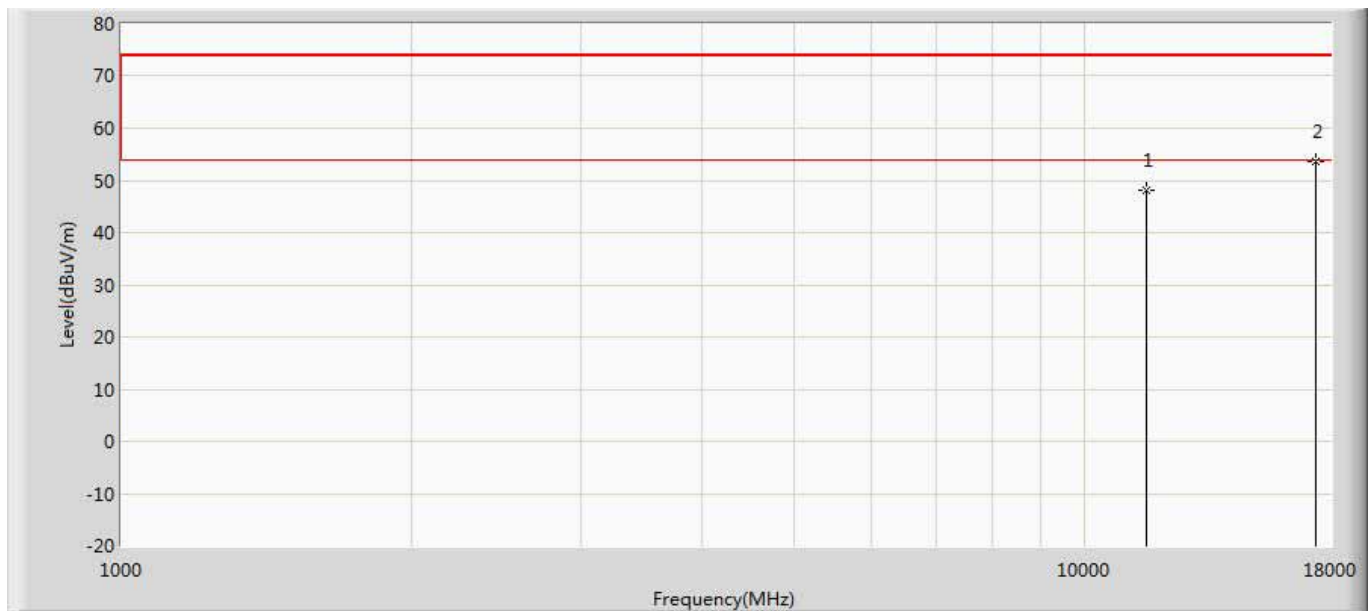
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	47.186	37.500	-26.814	74.000	9.686	PK
2	*	17235.000	53.344	35.333	-20.656	74.000	18.011	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5785MHz by 11AC20 with Beamforming	



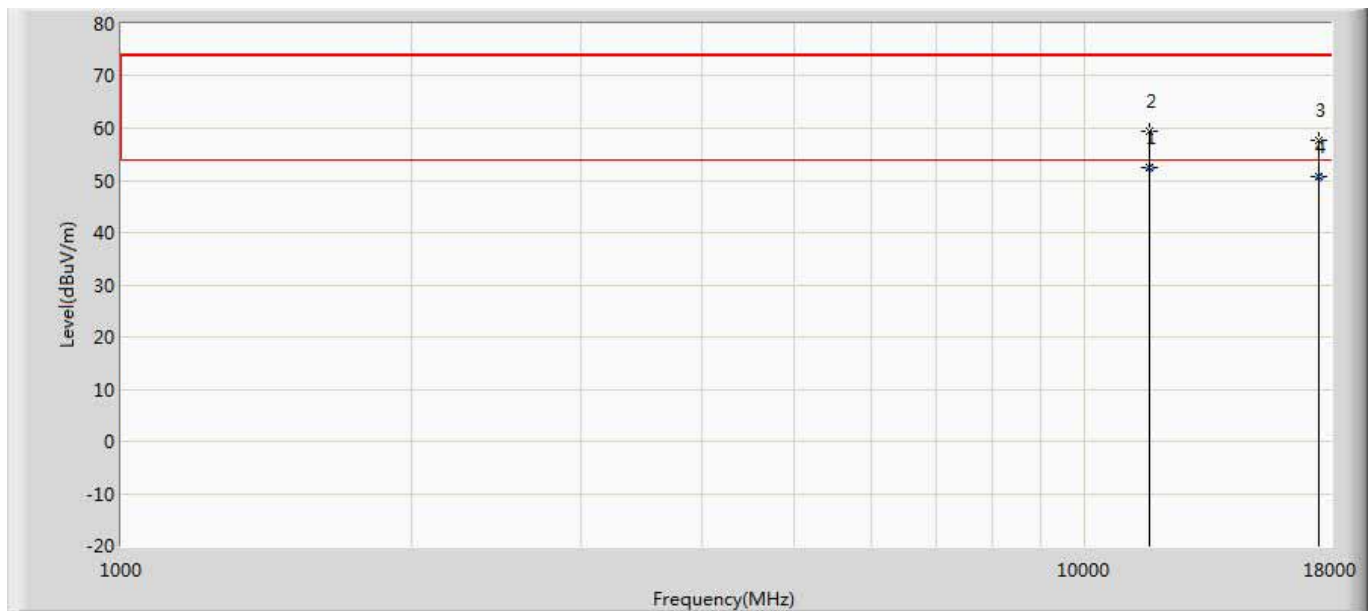
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11574.000	59.060	48.892	-14.940	74.000	10.168	PK
2	*	11574.320	52.695	42.521	-1.305	54.000	10.175	AV
3		17353.910	51.201	32.746	-2.799	54.000	18.455	AV
4		17354.000	58.219	39.762	-15.781	74.000	18.457	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5785MHz by 11AC20 with Beamforming	



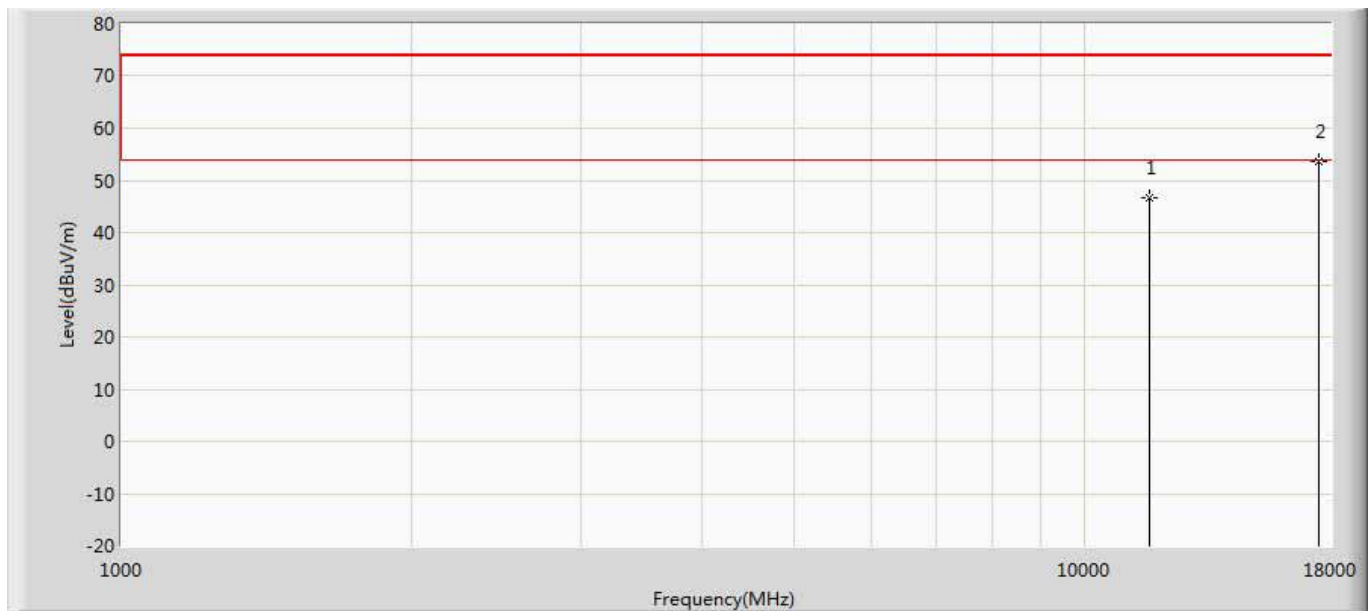
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	48.202	38.266	-25.798	74.000	9.936	PK
2	*	17355.000	53.491	35.141	-20.509	74.000	18.350	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5825MHz by 11AC20 with Beamforming	



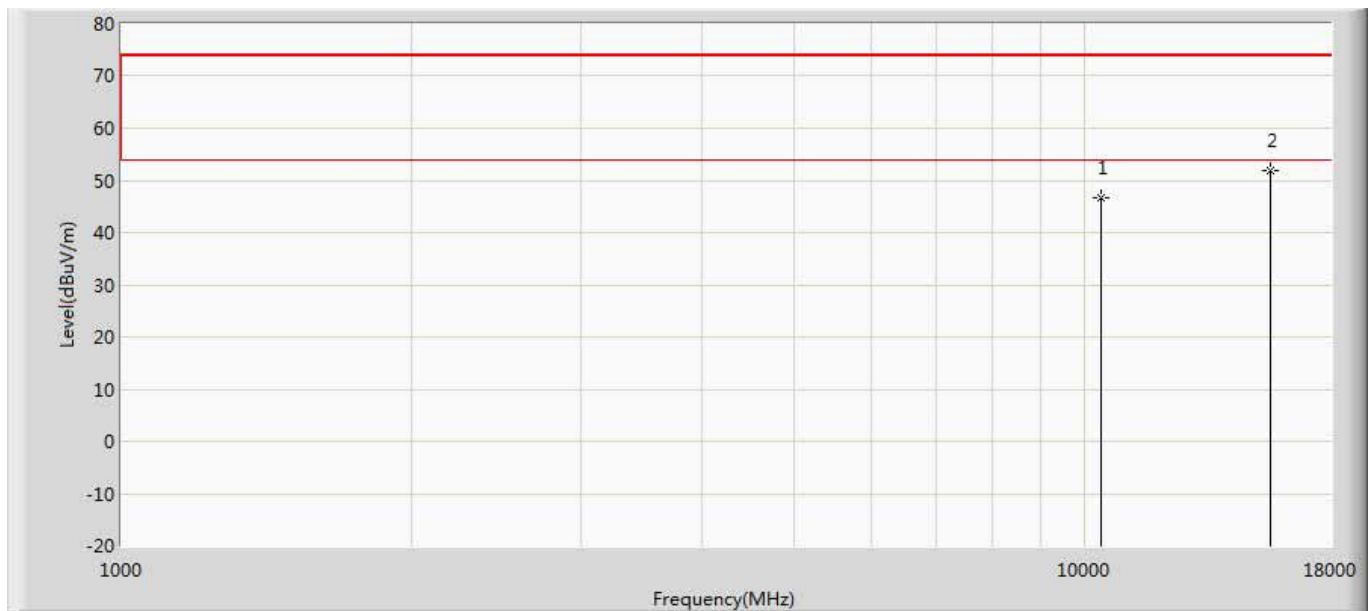
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11650.050	52.404	42.584	-1.596	54.000	9.820	AV
2		11650.500	59.449	49.652	-14.551	74.000	9.798	PK
3		17473.000	57.771	40.822	-16.229	74.000	16.949	PK
4		17473.245	50.639	33.694	-3.361	54.000	16.946	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 9:Transmit at channel 5825MHz by 11AC20 with Beamforming	



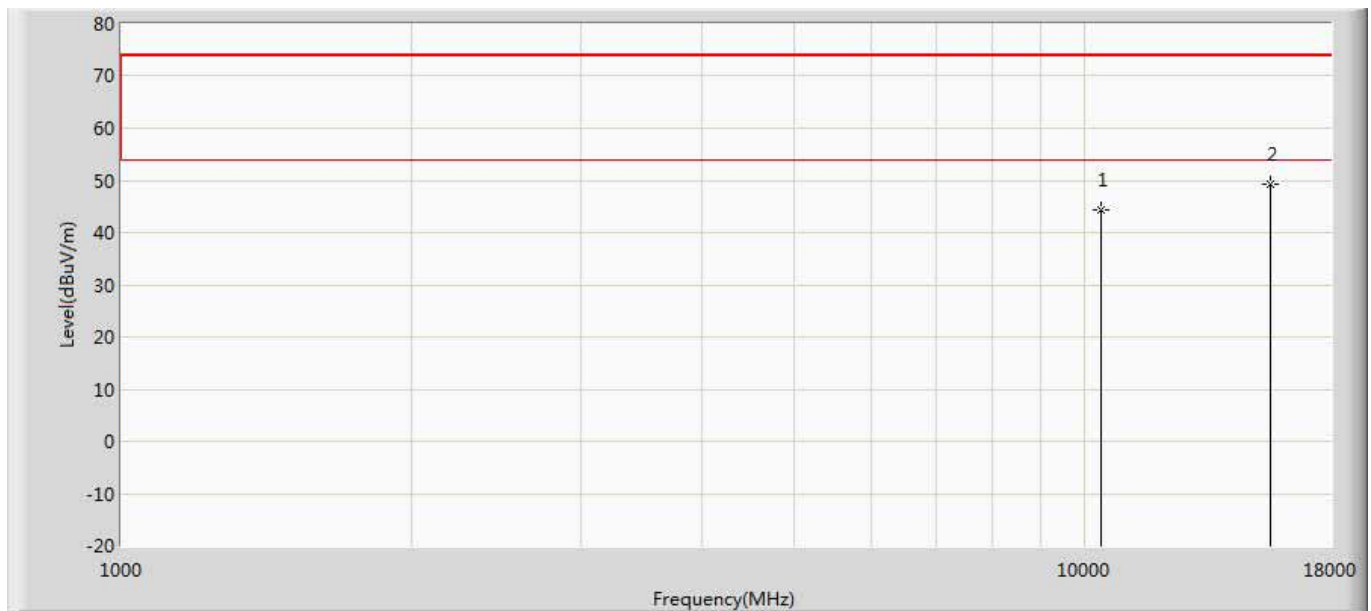
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.680	36.857	-27.320	74.000	9.823	PK
2	*	17475.000	53.619	36.700	-20.381	74.000	16.919	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5190MHz by 11N40 with Beamforming	



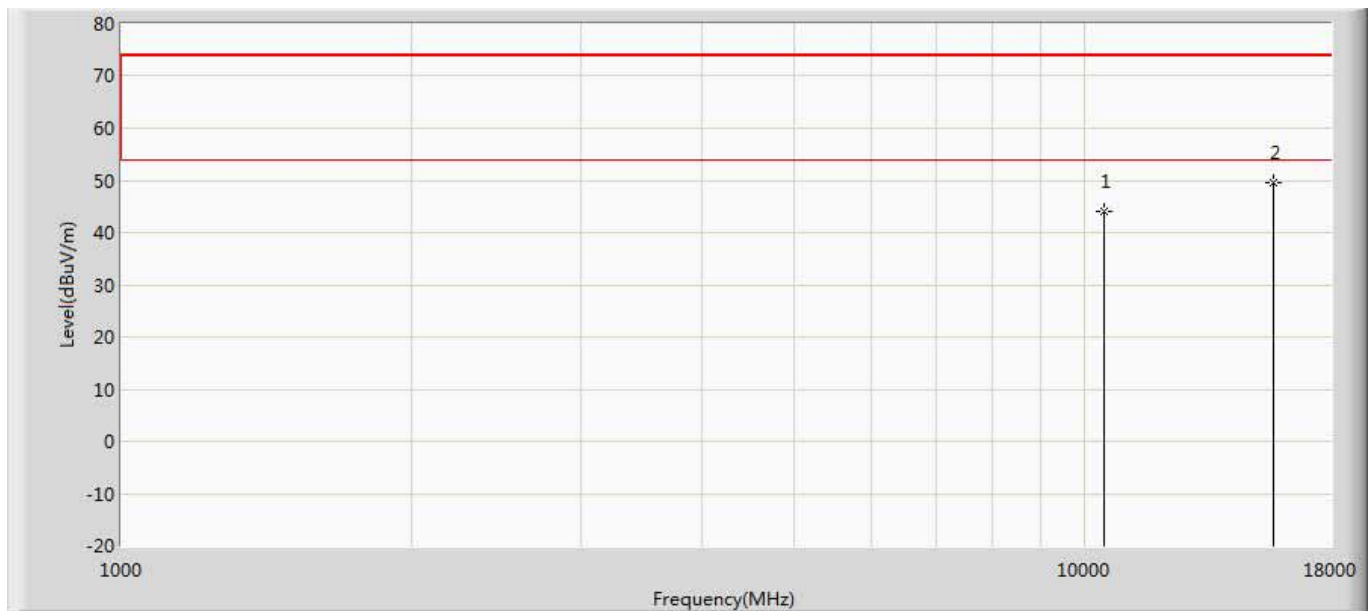
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	46.609	39.447	-27.391	74.000	7.162	PK
2	*	15570.000	51.995	36.797	-22.005	74.000	15.198	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5190MHz by 11N40 with Beamforming	



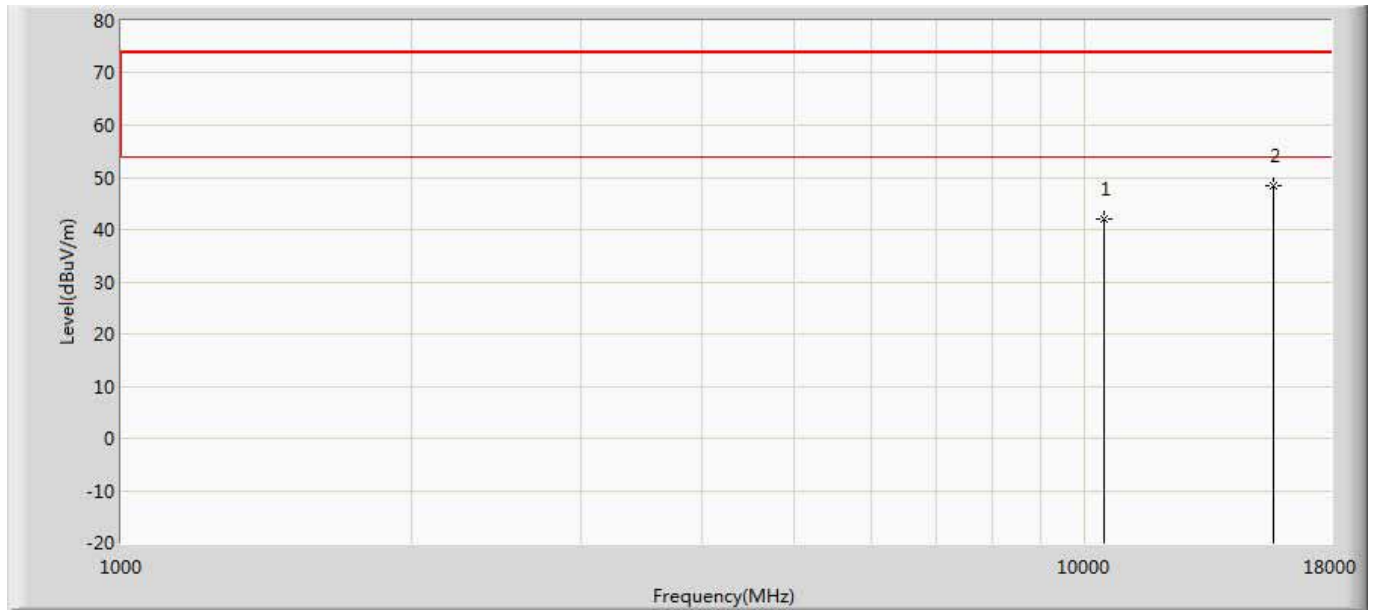
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.264	37.102	-29.736	74.000	7.162	PK
2	*	15570.000	49.227	34.029	-24.773	74.000	15.198	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5230MHz by 11N40 with Beamforming	



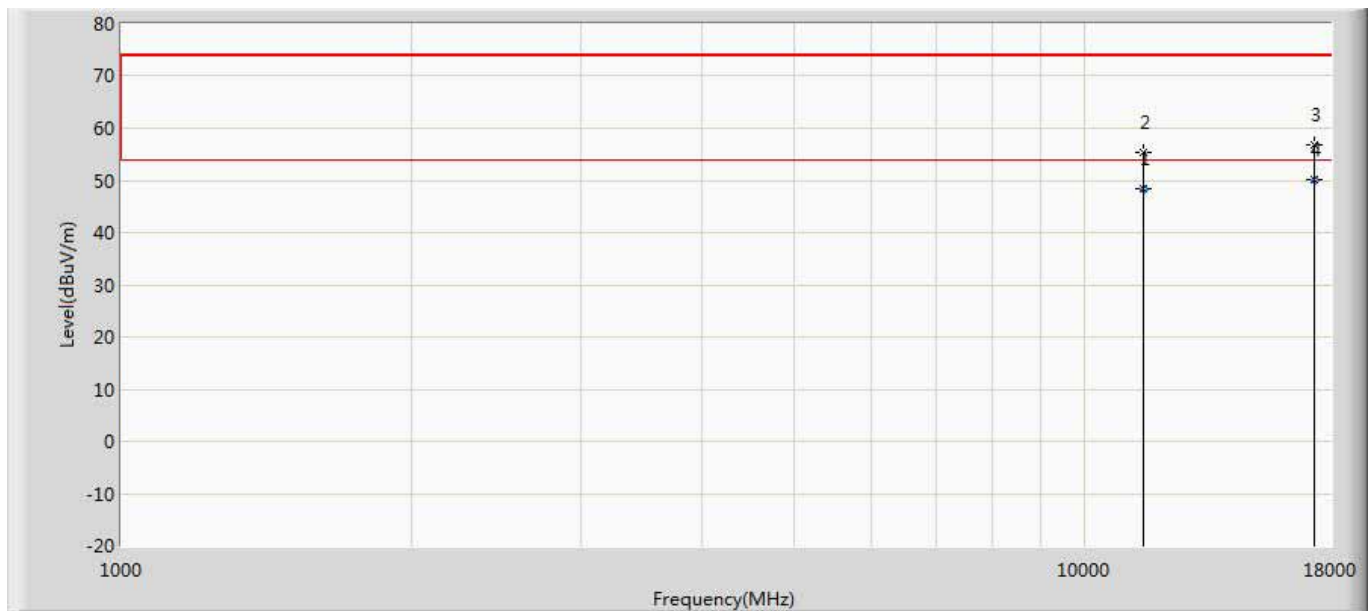
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.154	37.234	-29.846	74.000	6.920	PK
2	*	15690.000	49.448	34.397	-24.552	74.000	15.051	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5230MHz by 11N40 with Beamforming	



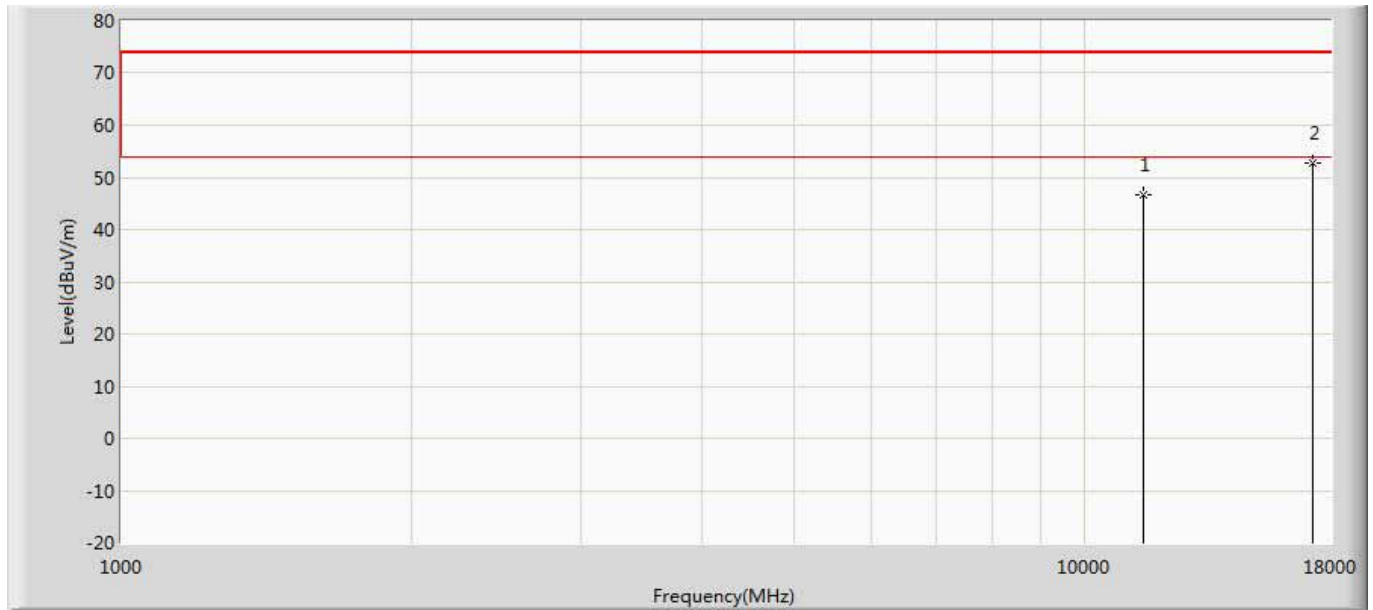
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	42.155	35.235	-31.845	74.000	6.920	PK
2	*	15690.000	48.361	33.310	-25.639	74.000	15.051	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5755MHz by 11N40 with Beamforming	



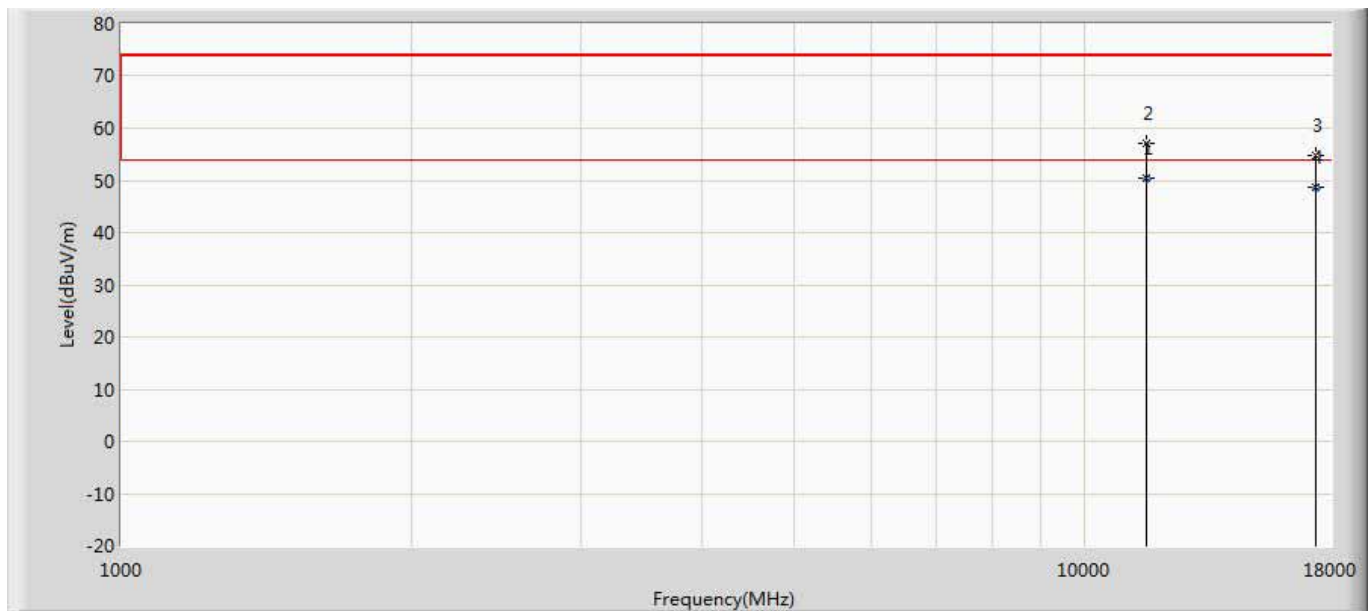
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11513.250	48.519	38.542	-5.481	54.000	9.977	AV
2		11514.500	55.343	45.400	-18.657	74.000	9.943	PK
3		17269.000	56.956	38.738	-17.044	74.000	18.218	PK
4	*	17269.020	50.228	32.011	-3.772	54.000	18.217	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5755MHz by 11N40 with Beamforming	



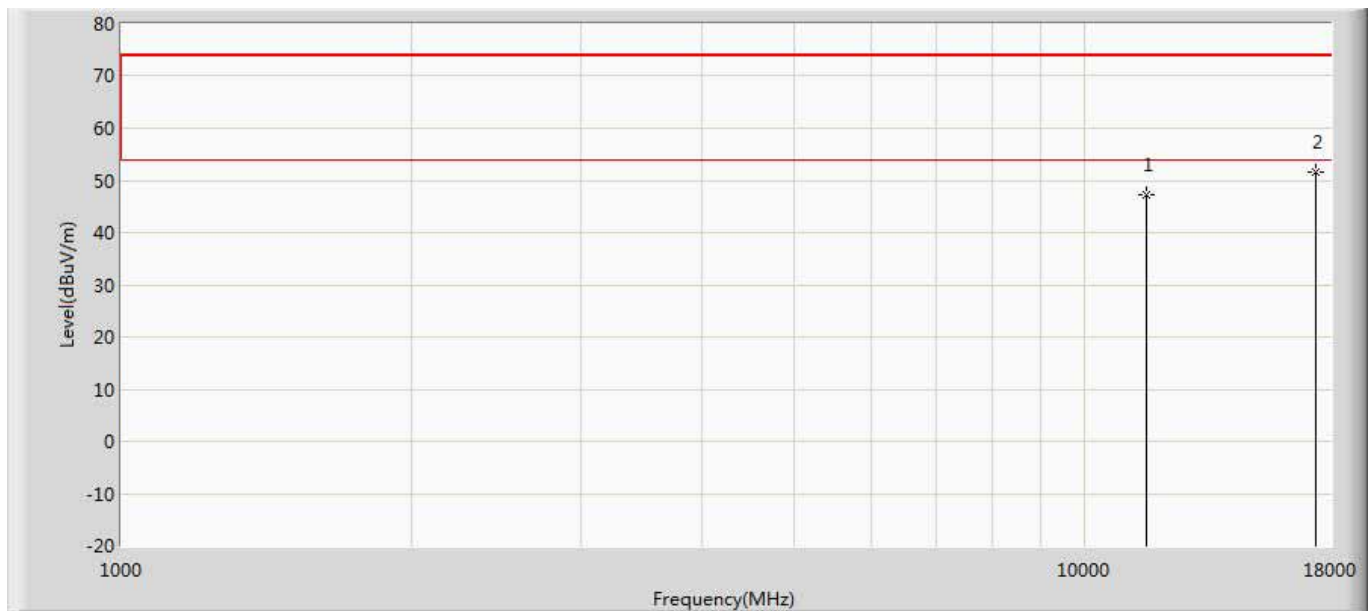
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	46.523	36.457	-27.477	74.000	10.065	PK
2	*	17265.000	52.823	34.927	-21.177	74.000	17.896	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5795MHz by 11N40 with Beamforming	



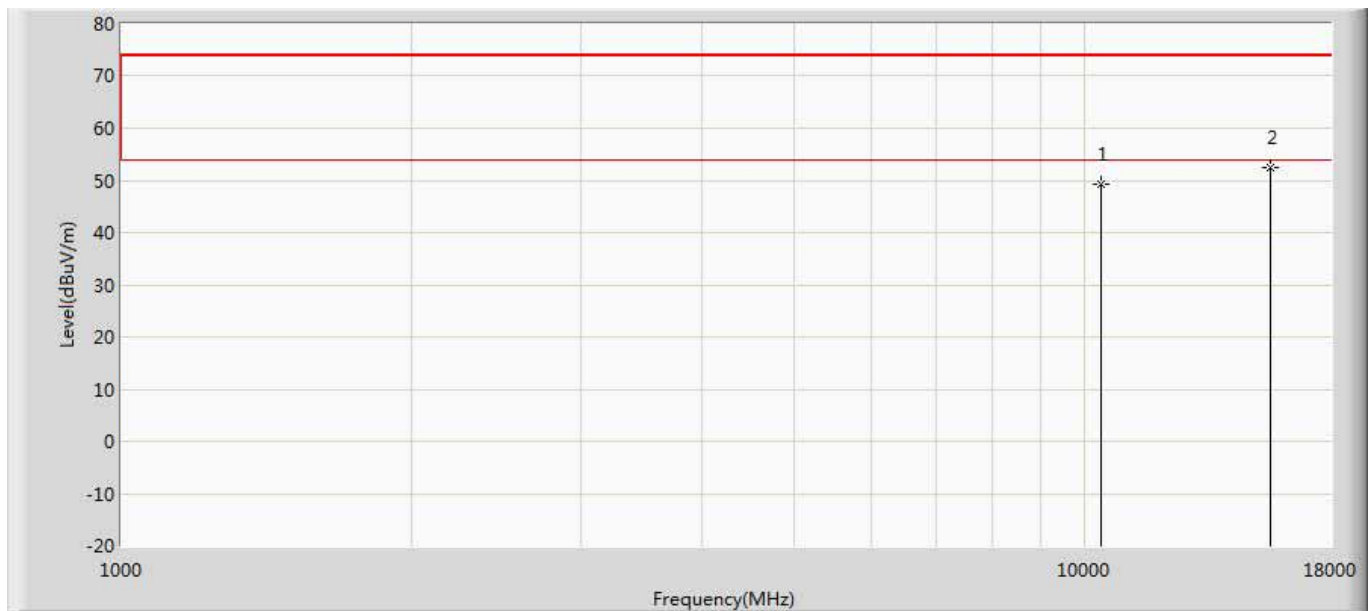
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11590.632	50.503	40.012	-3.497	54.000	10.491	AV
2		11591.000	57.218	46.720	-16.782	74.000	10.498	PK
3		17385.000	54.676	37.395	-19.324	74.000	17.281	PK
4		17385.063	48.826	31.542	-5.174	54.000	17.284	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 10:Transmit at channel 5795MHz by 11N40 with Beamforming	



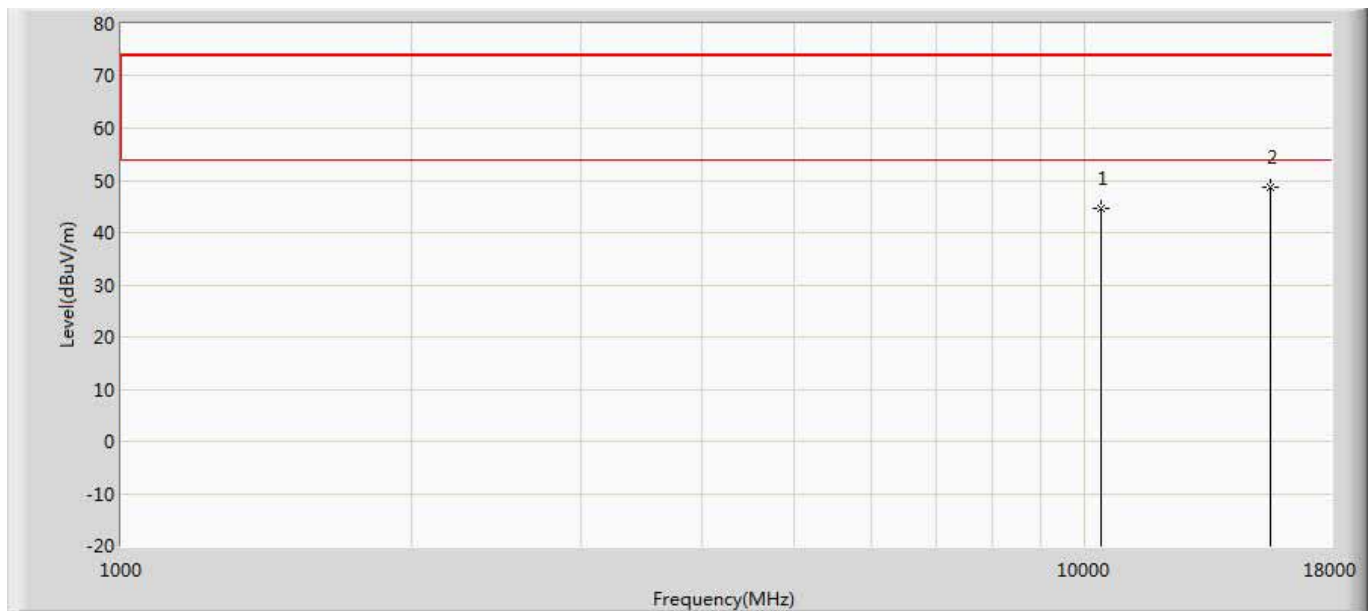
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	47.344	36.865	-26.656	74.000	10.478	PK
2	*	17385.000	51.494	34.213	-22.506	74.000	17.281	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5190MHz by 11AC40 with Beamforming	



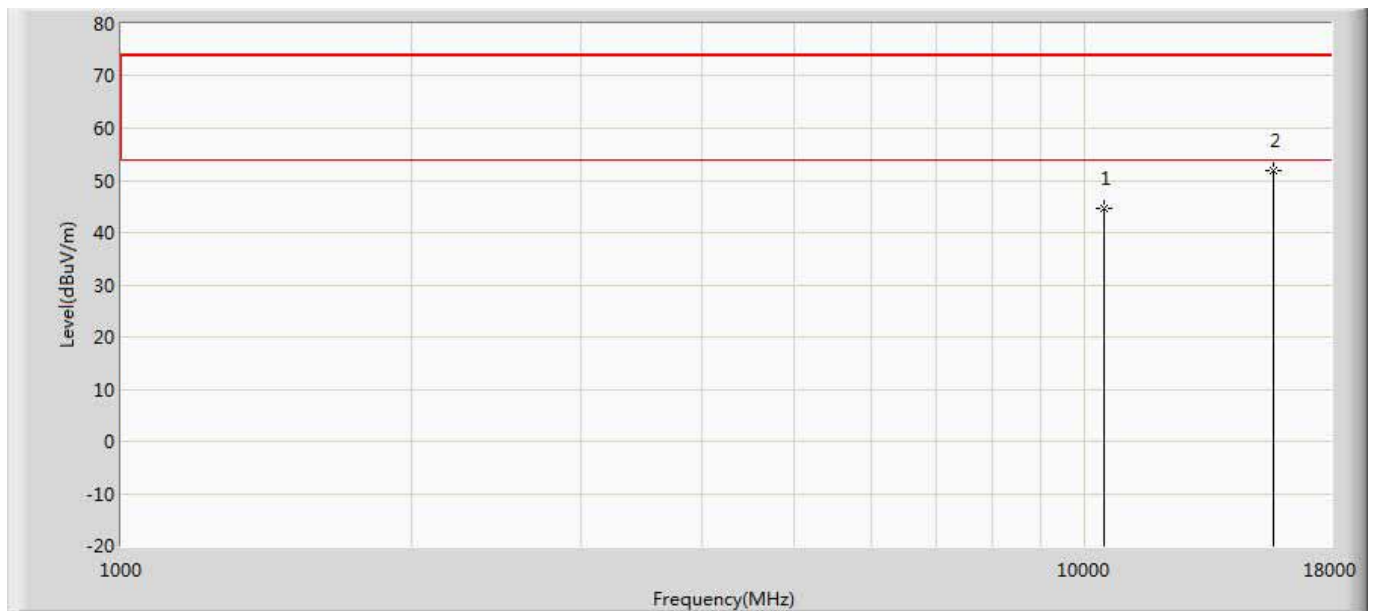
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10375.500	49.218	41.917	-24.782	74.000	7.302	PK
2	*	15570.000	52.327	37.129	-21.673	74.000	15.198	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5190MHz by 11AC40 with Beamforming	



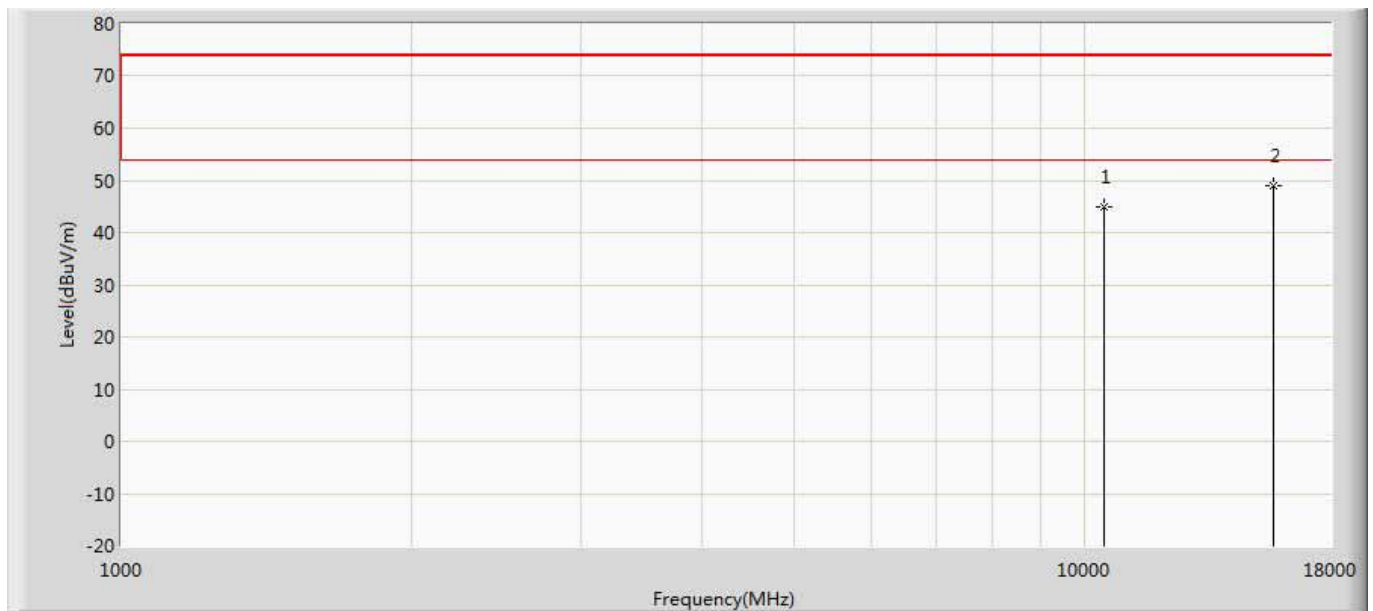
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	44.645	37.483	-29.355	74.000	7.162	PK
2	*	15570.000	48.812	33.614	-25.188	74.000	15.198	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5230MHz by 11AC40 with Beamforming	



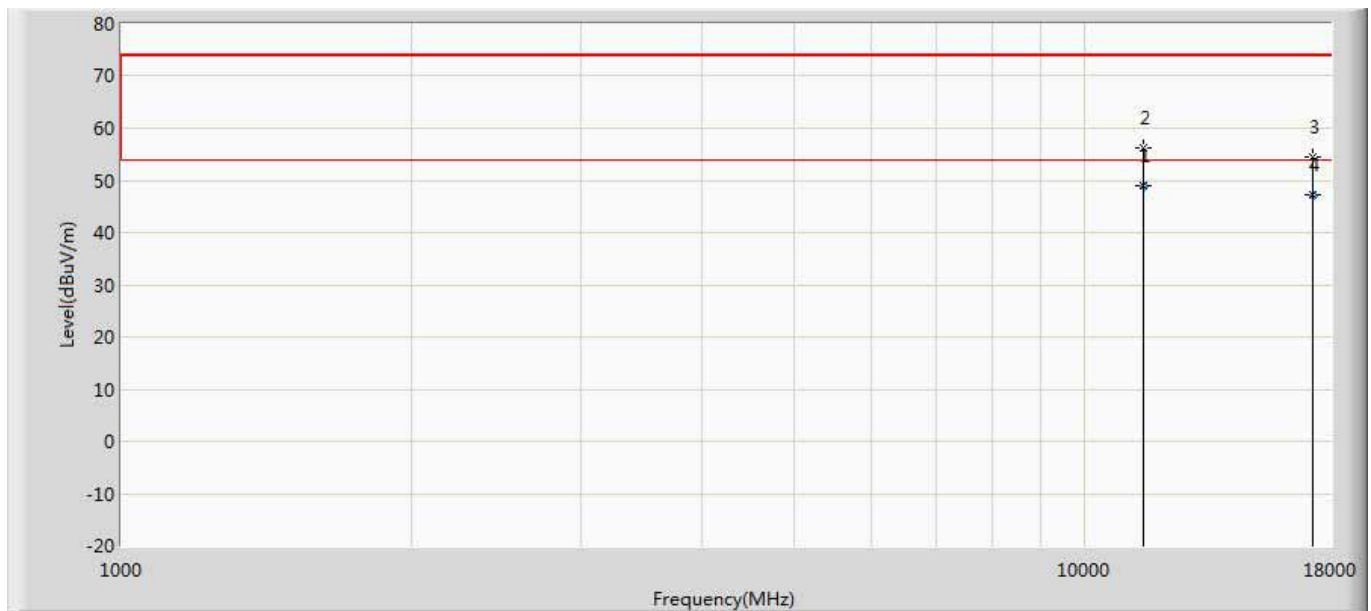
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.632	37.712	-29.368	74.000	6.920	PK
2	*	15690.000	51.910	36.859	-22.090	74.000	15.051	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5230MHz by 11AC40 with Beamforming	



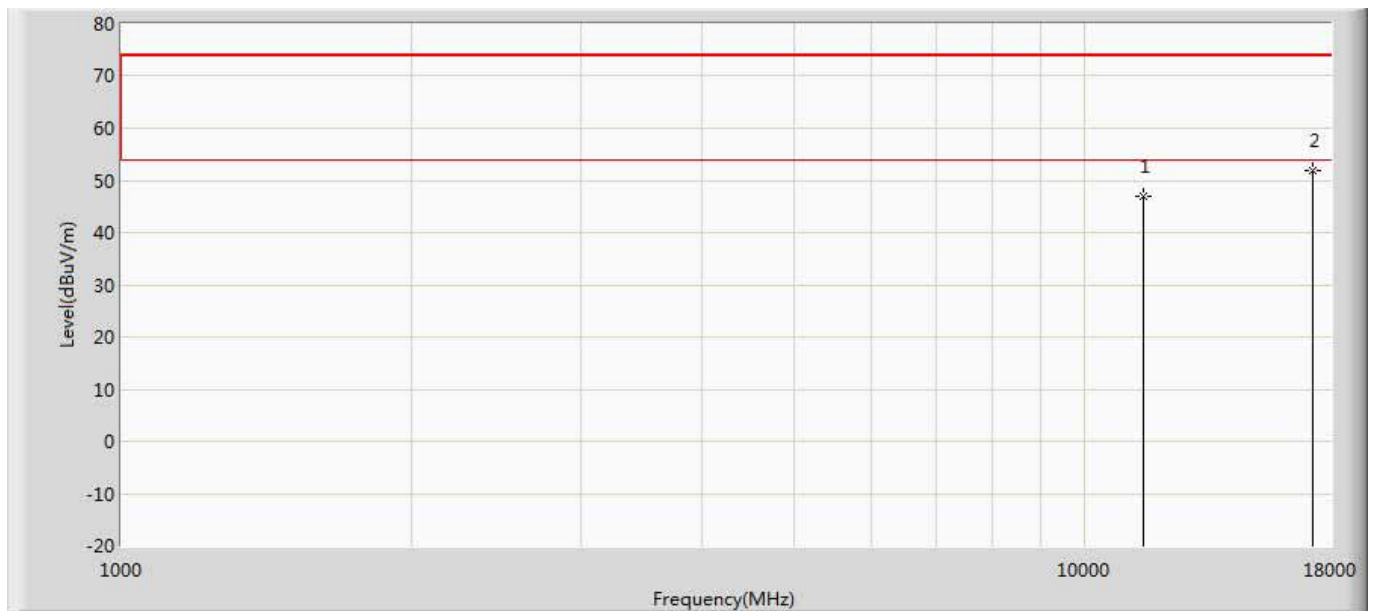
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	44.895	37.975	-29.105	74.000	6.920	PK
2	*	15690.000	48.854	33.803	-25.146	74.000	15.051	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5755MHz by 11AC40 with Beamforming	



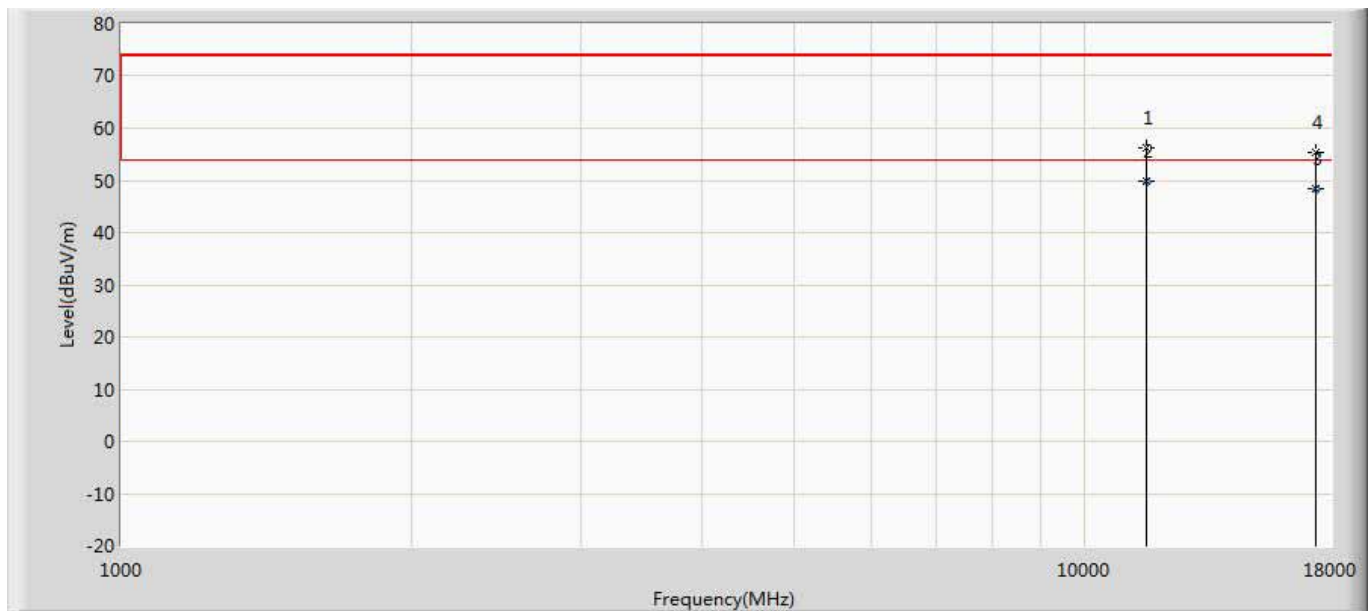
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11505.480	48.853	38.694	-5.147	54.000	10.158	AV
2		11506.000	56.176	46.001	-17.824	74.000	10.175	PK
3		17265.000	54.363	36.467	-19.637	74.000	17.896	PK
4		17265.025	47.385	29.487	-6.615	54.000	17.899	AV

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5755MHz by 11AC40 with Beamforming	



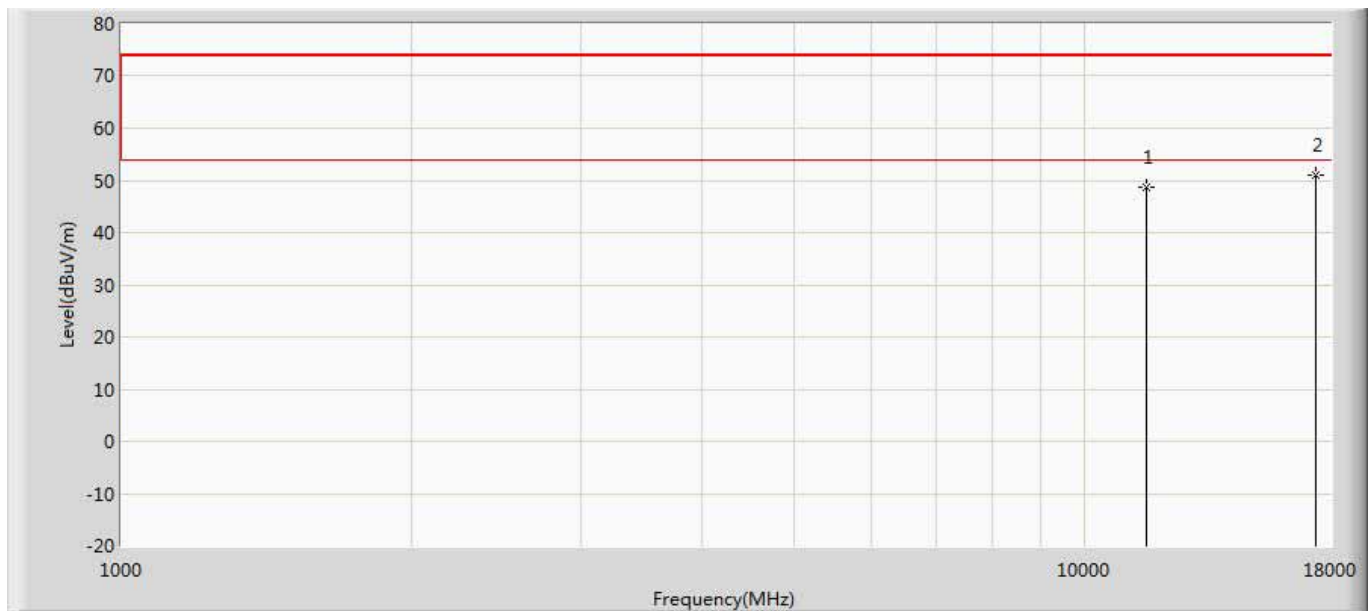
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	46.817	36.751	-27.183	74.000	10.065	PK
2	*	17265.000	51.903	34.007	-22.097	74.000	17.896	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5795MHz by 11AC40 with Beamforming	



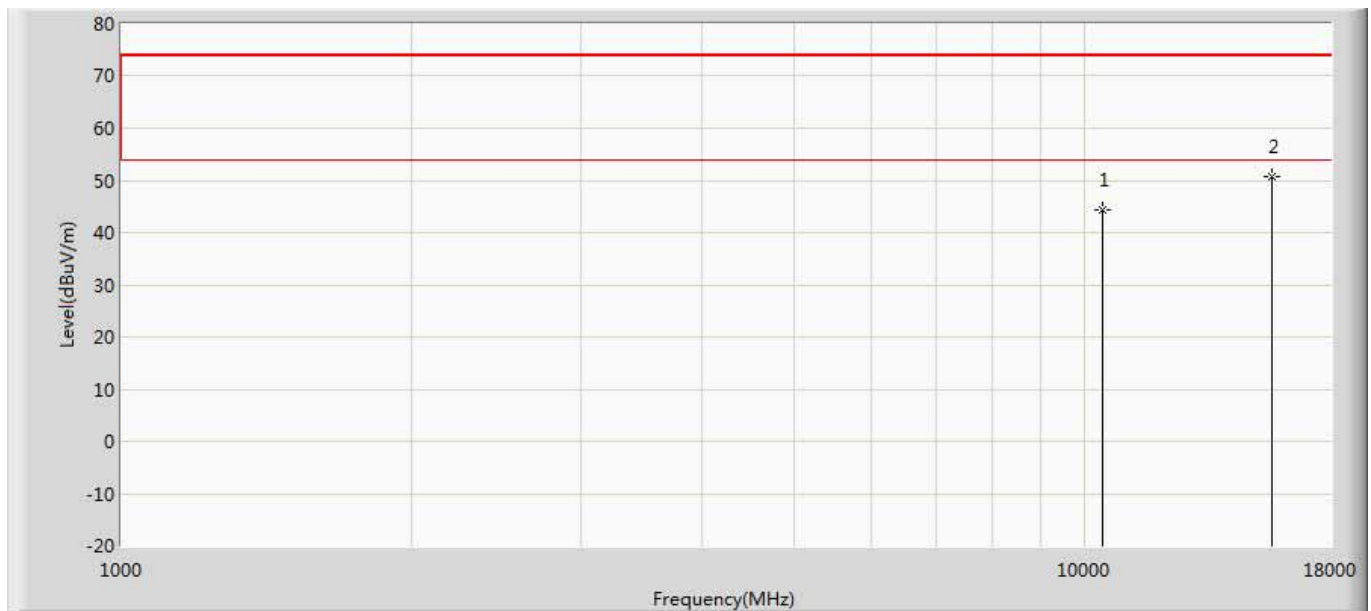
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11591.000	56.370	45.872	-17.630	74.000	10.498	PK
2	*	11591.850	49.998	39.512	-4.002	54.000	10.485	AV
3		17384.580	48.314	31.052	-5.686	54.000	17.261	AV
4		17385.000	55.276	37.995	-18.724	74.000	17.281	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 11:Transmit at channel 5795MHz by 11AC40 with Beamforming	



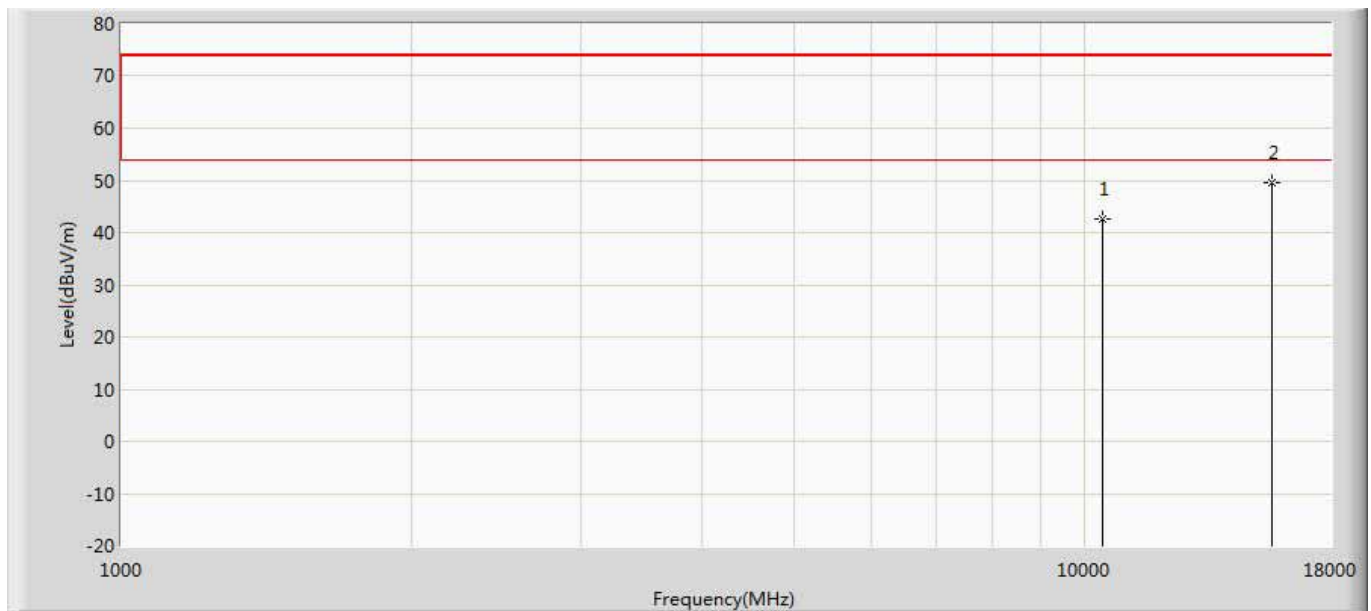
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	48.637	38.158	-25.363	74.000	10.478	PK
2	*	17385.000	50.871	33.590	-23.129	74.000	17.281	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 12:Transmit at channel 5210MHz by 11AC80 with Beamforming	



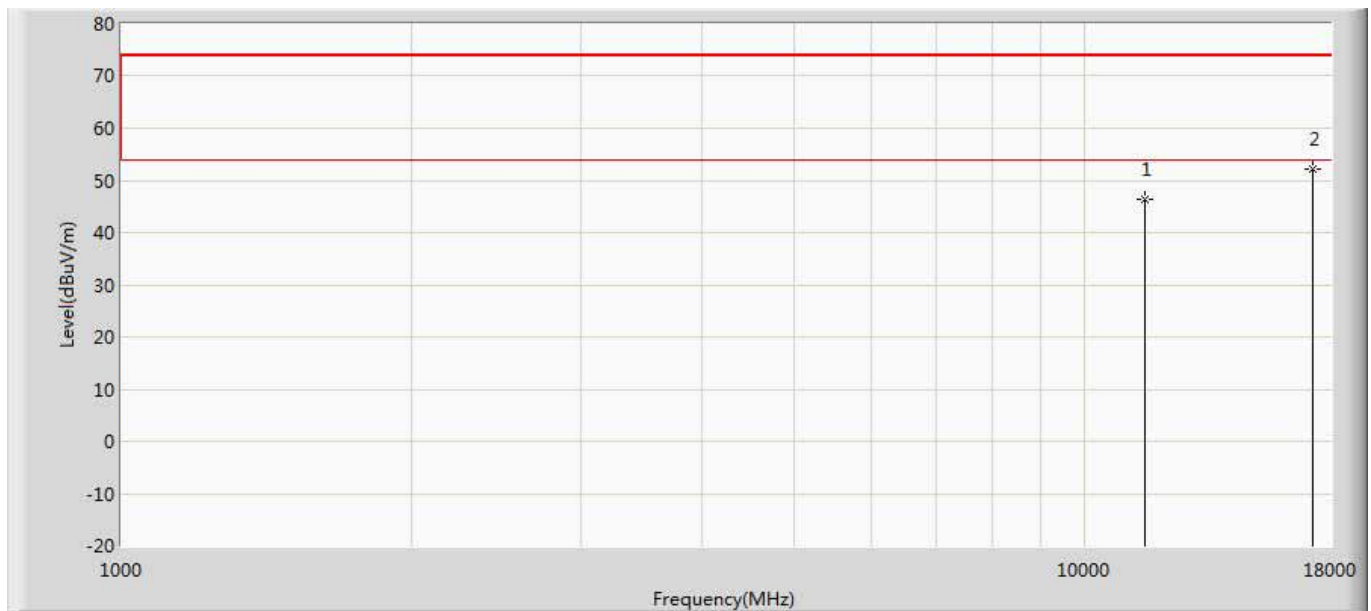
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	44.298	37.431	-29.702	74.000	6.866	PK
2	*	15630.000	50.594	34.709	-23.406	74.000	15.885	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 12:Transmit at channel 5210MHz by 11AC80 with Beamforming	



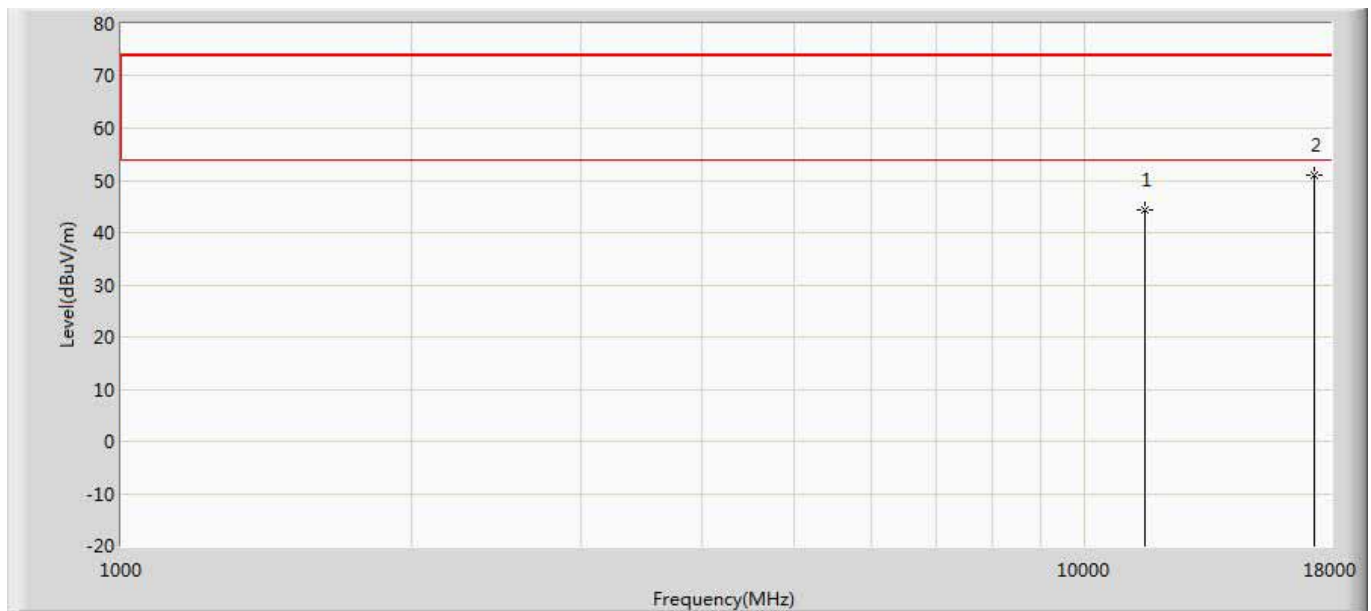
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	42.669	35.802	-31.331	74.000	6.866	PK
2	*	15630.000	49.541	33.656	-24.459	74.000	15.885	PK

Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 12:Transmit at channel 5775MHz by 11AC80 with Beamforming	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	46.392	37.294	-27.608	74.000	9.098	PK
2	*	17235.000	52.097	34.086	-21.903	74.000	18.011	PK

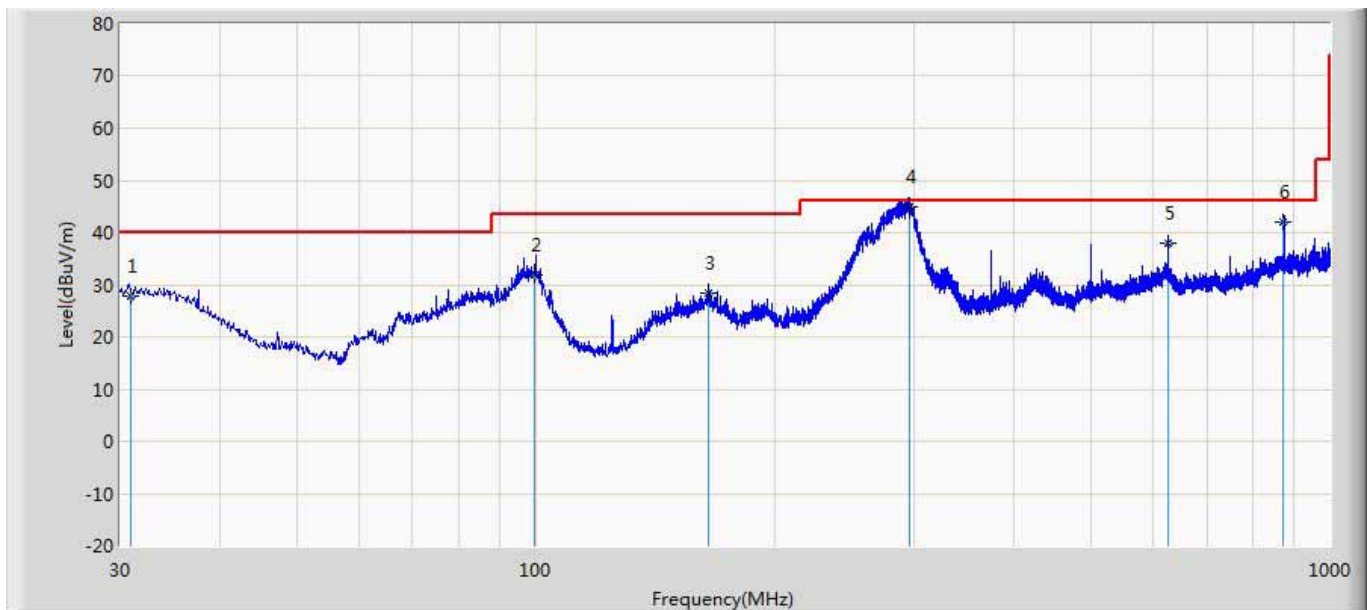
Engineer: Damon	
Site: AC5	Time: 2017/09/24 - 22:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 12:Transmit at channel 5775MHz by 11AC80 with Beamforming	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	44.318	35.220	-29.682	74.000	9.098	PK
2	*	17325.000	50.926	33.540	-23.074	74.000	17.387	PK

The worst case of Radiated Emission below 1GHz:

Engineer: Noro	
Site: AC2	Time: 2017/08/05
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Horizontal
EUT:Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1	

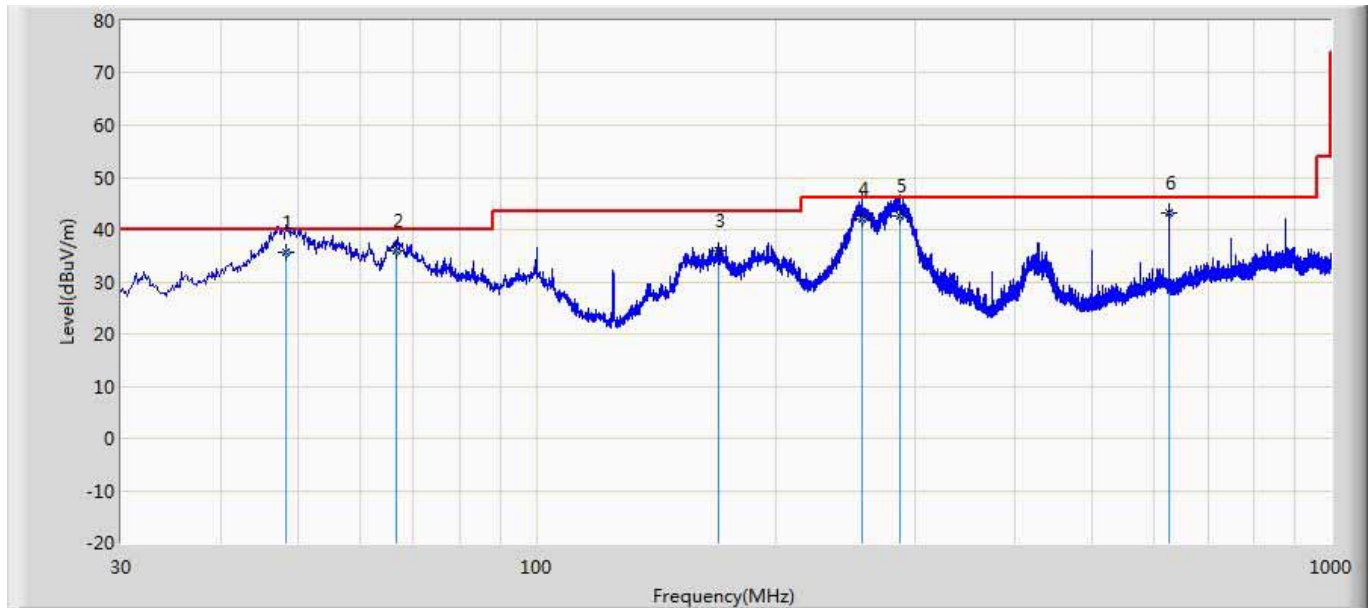


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		30.894	27.856	0.300	-12.144	40.000	20.927	6.629	0.000	152	360	QP
2		99.761	31.779	14.600	-11.721	43.500	10.312	6.867	0.000	100	331	QP
3		165.217	28.291	10.700	-15.209	43.500	10.328	7.263	0.000	200	114	QP
4	*	295.231	44.859	24.300	-1.141	46.000	12.943	7.615	0.000	100	20	QP
5		625.154	37.890	7.200	-8.110	46.000	22.121	8.570	0.000	200	274	QP
6		874.862	41.890	9.400	-4.110	46.000	23.301	9.189	0.000	100	0	QP

Note:

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

Engineer: Noro	
Site: AC2	Time: 2017/08/05
Limit: FCC_Part15.109_RE(3m)_ClassB	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Vertical
EUT:Xiaomi Router HD	Power: AC 120V/60Hz
Note: Mode 1	



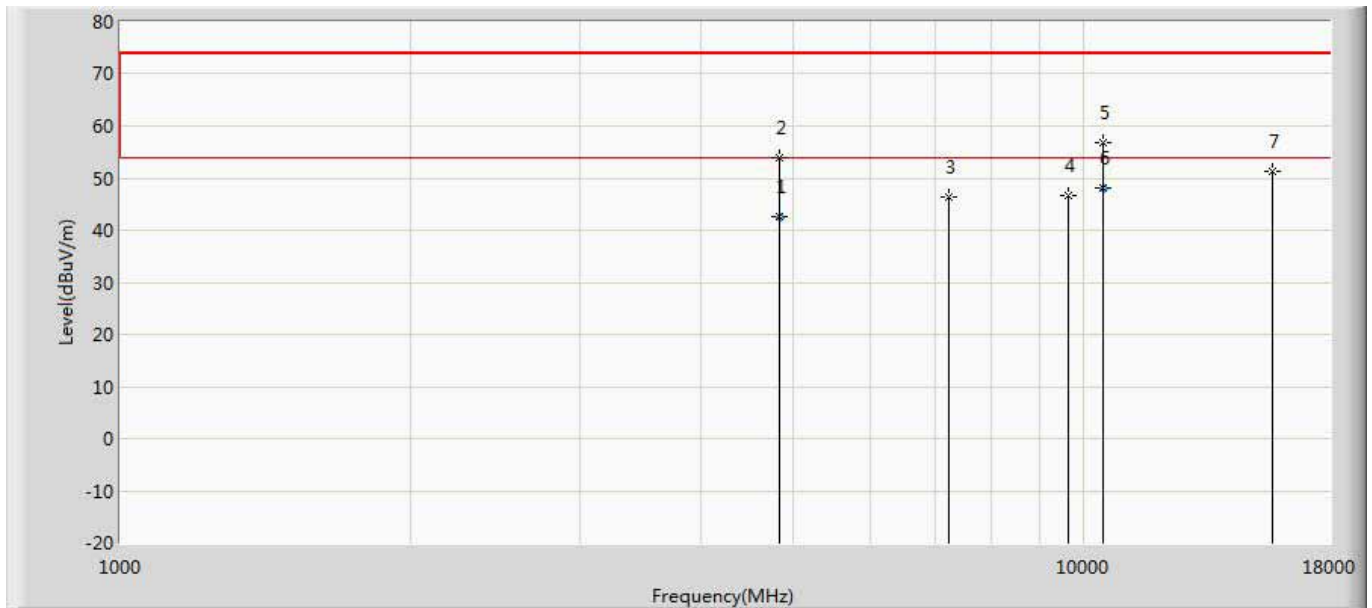
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Probe (dB/m)	Cable (dB)	Amp (dB)	Ant Pos (cm)	Table Pos (deg)	Type
1		48.453	35.759	16.600	-4.241	40.000	12.593	6.566	0.000	100	132	QP
2		66.635	35.823	20.100	-4.177	40.000	9.030	6.693	0.000	100	224	QP
3		169.774	36.041	16.900	-7.459	43.500	11.867	7.274	0.000	100	357	QP
4		257.356	42.038	18.100	-3.962	46.000	16.361	7.577	0.000	184	360	QP
5		286.714	42.504	17.400	-3.496	46.000	17.497	7.607	0.000	200	340	QP
6	*	625.135	43.265	15.400	-2.735	46.000	19.295	8.570	0.000	200	340	QP

Note:

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

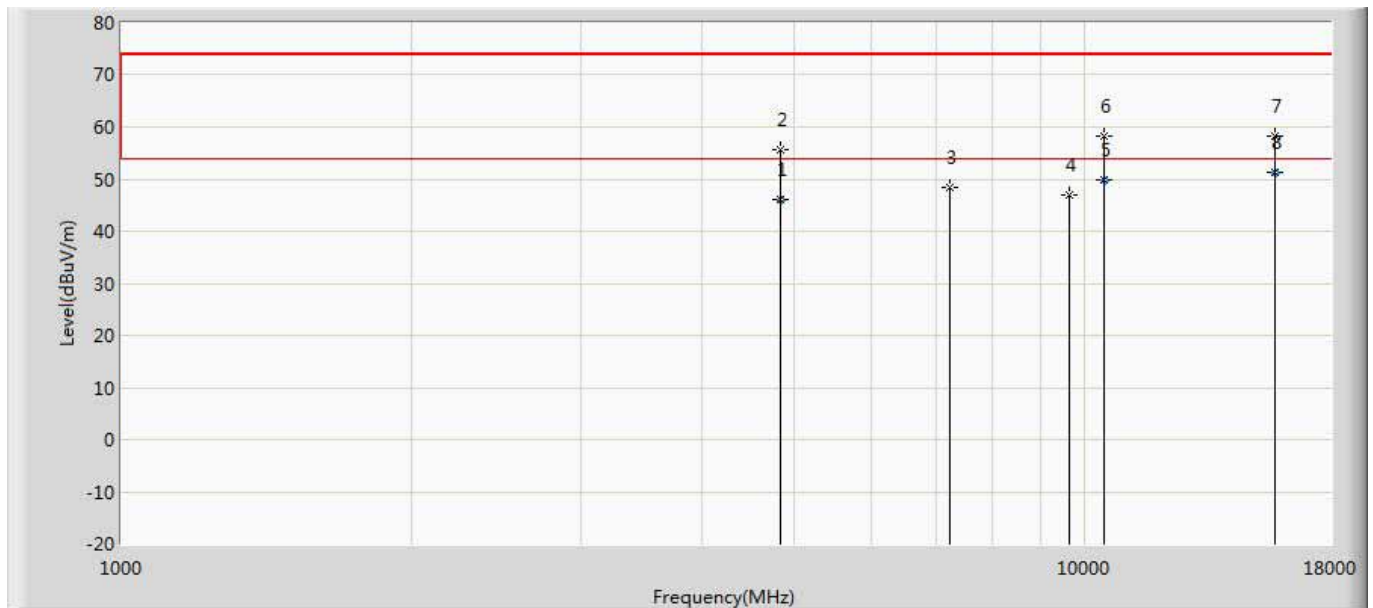
The worst case of Simultaneous transmission:

Engineer: Damon	
Site: AC5	Time: 2017/11/09 - 09:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Transmit at 2412MHz by 11b & Transmit at 5240MHz by 11ac	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4824.587	42.664	55.674	-11.336	54.000	-13.010	AV
2		4825.012	54.015	67.025	-19.985	74.000	-13.010	PK
3		7236.000	46.301	54.011	-27.699	74.000	-7.710	PK
4		9648.000	46.525	48.115	-27.475	74.000	-1.590	PK
5		10479.620	56.719	49.002	-17.281	74.000	7.718	PK
6	*	10479.810	48.227	40.505	-5.773	54.000	7.722	AV
7		15718.125	51.372	35.571	-22.628	74.000	15.801	PK

Engineer: Damon	
Site: AC5	Time: 2017/11/09 - 09:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Xiaomi Router HD	Power: AC 120V/60Hz
Note: Transmit at 2412MHz by 11b & Transmit at 5240MHz by 11ac	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	4824.511	46.042	59.052	-7.958	54.000	-13.010	AV
2		4824.526	55.538	68.548	-18.462	74.000	-13.010	PK
3		7236.000	48.544	56.254	-25.456	74.000	-7.710	PK
4		9648.000	46.822	48.412	-27.178	74.000	-1.590	PK
5		10481.053	49.840	42.088	-4.160	54.000	7.751	AV
6		10482.370	58.162	50.379	-15.838	74.000	7.783	PK
7		15721.270	58.367	42.455	-15.633	74.000	15.912	PK
8	*	15721.300	51.449	35.536	-2.551	54.000	15.913	AV

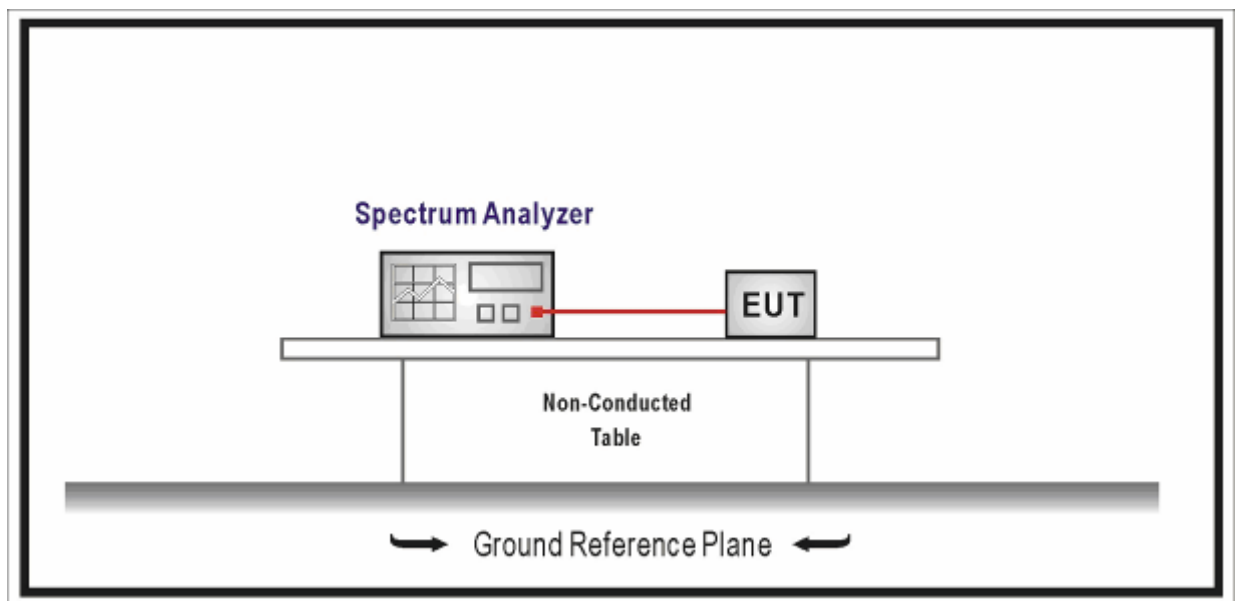
5. Emission bandwidth and occupied bandwidth

5.1. Test Equipment

Emission bandwidth and occupied bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2017.02.04	2018.02.04
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2017.04.09	2018.04.09
MXA Signal Analyzer	Keysight	N9020A	MY56060147	2017.04.09	2018.04.09
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2017.04.10	2018.04.10

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

5.2. Test Setup



5.3. Limit

N/A