DEKRA Testing and Certification (Suzhou) Co., Ltd.
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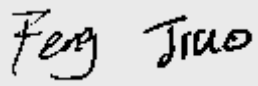
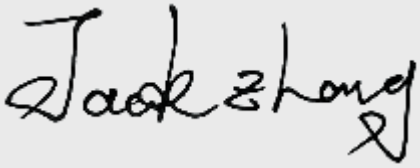
Test report No:
23A0637R-RF-US-P09V01

FCC TEST REPORT

Product Name	IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2
Model and /or type reference	WXT28M2111
Trademark	GSD
FCC ID	2A769-WXT28M2111
Applicant´s name / address	K-tronics(Su Zhou)Technology Co.,LTD No.1088, Dajing Road,Economic and Technological Development Zone,Wujiang District, Suzhou, Jiangsu Province, 215200, P.R. China
Test method requested, standard	47 CFR FCC Part 15 (Section 15.407) ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Feng Jiao/Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2024-01-04
Report Version	V1.0
Report template No	Template_FCC-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.
In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Oct. 26, 2023
Date (start test)	Nov. 01, 2023
Date (finish test)	Nov. 30, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	:	Equipment Under Test
QP	:	Quasi-Peak
CAV	:	CISPR Average
AV	:	Average
CDN	:	Coupling Decoupling Network
SAC	:	Semi-Anechoic Chamber
OATS	:	Open Area Test Site
BW	:	Bandwidth
AM	:	Amplitude Modulation
PM	:	Pulse Modulation
HCP	:	Horizontal Coupling Plane
VCP	:	Vertical Coupling Plane
U_N	:	Nominal voltage
*T*x	:	Transmitter
*R*x	:	Receiver
N/A	:	Not Applicable
N/M	:	Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
23A0637R-RF-US-P09V01	V1.0	Initial issue of report.	2024-01-04

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.407).
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
   - Chapter 1.1 General Description of the Item(s);
   - Chapter 1.2 Antenna Informaion;
   - Chapter 1.3 Channel List;
   - Chapter 1.4 Data Rate;

USED EQUIPMENT

Conducted Test/ TR8

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
Wireless Connectivity Tester	R&S	CMW 270	102593	2023.05.20	2024.05.19	V 4.0.60	N/A
Coaxial Cable	N/A	N/A	2477	2023.06.08	2024.06.07	N/A	N/A
Coaxial Cable	N/A	N/A	2478	2023.06.08	2024.06.07	N/A	N/A
High and low temperature and fast temperature change test box	ASTUOD	ASTD-FBT-225K	N/A	2023.05.20	2024.05.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	RF08	2023.08.25	2024.08.24	N/A	N/A
Test system							
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
MAX Signal Analyzer	Keysight	N9010A	MY48030494	2023.11.08	2024.11.07	A.14.03	N/A
RF Control Unit	Tonscend	JS0806-2	22G8060594	2023.02.04	2024.02.03	N/A	N/A
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY61252529	2023.05.20	2024.05.19	B.01.96	N/A
Frequency extender for EXG or MXG	Keysight	N5182BX07	MY59362500	2023.05.20	2024.05.19	N/A	N/A
EXG-B MW Analog Signal Generator	Keysight	N5173B	MY61252566	2023.08.26	2024.08.25	B.01.95	N/A
Test Software	Tonscend	TS1120	JS1120-3	N/A	N/A	N/A	V3.0.22

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EMI Test Receiver	R&S	ESCI	100726	2023.08.26	2024.08.25	4.42 SP1	N/A
Two-Line V-Network	R&S	ENV 216	101044	2023.01.07	2024.01.06	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101189	2023.05.14	2024.05.13	N/A	N/A
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2023.05.14	2024.05.13	N/A	N/A
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2023.05.14	2024.05.13	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2023.03.07	2024.03.06	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	EMC01	2023.05.19	2024.05.18	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	N/A

Radiated Emission(9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EMI Test Receiver	R&S	ESCI	100176	2023.05.20	2024.05.19	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2023.04.25	2024.04.24	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2023.02.20	2024.02.19	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2023.05.19	2024.05.18	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2023.05.21	2024.05.20	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

Radiated Emission (1GHz-40GHz) / AC5

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Versiom	Software version
EXA Spectrum Analyzer	Keysight	N9020B	MY60112218	2023.11.08	2024.11.07	A.31.05	N/A
Pre-Amplifier	SKET	LNPA_0118G-45	SK2021090101	2023.05.14	2024.05.13	N/A	N/A
Preamplifier	CHENGYI	EMC184045SE	980263	2023.07.09	2024.07.08	N/A	N/A
DRG Horn	ETS-Lindgren	3117	00123988	2023.11.07	2024.11.06	N/A	N/A
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	294	2023.05.31	2024.05.30	N/A	N/A
Filter Switch Box	MVE	MSW-F196	C070001S	2023.05.21	2024.05.20	N/A	N/A
Temperature/ Humidity Meter	RTS	RTS-8S	AC5-TH	2023.05.19	2024.05.18	N/A	N/A
Coaxial Cable	TIMES	HF290A-NMNM-5.00M	651945-0001	2023.11.07	2024.11.06	N/A	N/A
Coaxial Cable	TIMES	HF290A-NMNM-6.00M	651946-0001	2023.11.07	2024.11.06	N/A	N/A
Coaxial Cable	TIMES	HF290A-NMNM-0.50M	651944-0001	2023.11.07	2024.11.06	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.92 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 4.60 dB 200MHz~1GHz: 4.10 dB Vertical: 30MHz~200MHz: 4.80 dB 200MHz~1GHz: 4.10 dB
Radiated Emission(1GHz~40GHz)	Horizontal: 1GHz~18GHz: 5.00 dB Vertical: 1GHz~18GHz: 4.80 dB Horizontal: 18GHz~40GHz: 5.30 dB Vertical: 18GHz~40GHz: 5.10 dB
RF Antenna Port Conducted Emission	± 1.13 dB
Radiated Emission Band Edge	± 5.00 dB
Occupied Bandwidth	± 279 Hz
Power Spectral Density	± 1.13 dB
Frequency Stability	± 100 Hz

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name ..... :	IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2
Model No. ..... :	WXT28M2111
Trademark..... :	
FCC ID..... :	2A769-WXT28M2111
Hardware Version..... :	V1.0
Software Version..... :	V1.0
Manufacturer..... :	HUIZHOU GAOSHENGDA TECHNOLOGY CO.,LTD
Manufacturer Address ..... :	No. 2 Jinda Road, Sandong Town, HUIZHOU, CHINA
Factory..... :	HUIZHOU GAOSHENGDA TECHNOLOGY CO.,LTD
Factory address ..... :	No. 2 Jinda Road, Sandong Town, HUIZHOU, CHINA

Wireless specifiction..... :	WIFI					
Transmit modes ..... :	☒	802.11a	☒	802.11n(20MHz)	☒	802.11n(40MHz)
	☒	802.11ac(20MHz)	☒	802.11ac(40MHz)	☒	802.11ac(80MHz)
	☒	802.11ax(20MHz)	☒	802.11ax(40MHz)	☒	802.11ax(80MHz)
Frequency Range ..... :	☒	802.11a/n/ac(20MHz):5180MHz~5240Mz 802.11n/ac(40MHz):5190MHz~5230Mz 802.11ac(80MHz):5210Mz				
		☐	Ooutdoor access point			
		☒	RF Module			
		☐	Fixed point-to-point AP			
		☐	Mobile and Portable Client			
	☒	802.11a/n/ac/ax(20MHz):5260MHz~5320Mz 802.11n/ac/ax(40MHz):5270MHz~5310Mz 802.11ac/ax(80MHz):5290Mz				
	☒	802.11a/n/ac/ax(20MHz):5500MHz~5700MHz 802.11n/ac/ax(40MHz):5510MHz~5670Mz 802.11ac/ax(80MHz):5530~5610Mz				
	☒	802.11a/n/ac/ax(20MHz):5745MHz~5825MHz 802.11n/ac/ax(40MHz):5755MHz~5805Mz 802.11ac/ax(80MHz):5775Mz				
Type of Modulation & Data Rate.... :	Refer to Clause 1.4					
Number of channels ..... :	802.11a/n/ac/ax(20MHz): 24 802.11n/ac/ax(40MHz): 11 802.11ac/ax(80MHz): 5					

Rated power supply..... :	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 100 - 240 V, 50/60 Hz
	☒	DC: 5 Vdc
	☐	Poe:
	☐	Adapter:
Mounting position ..... :	☐	Tabletop equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held/Portable equipment
	☒	Other:

1.2 Antenna Information

Antenna model / type number.....:	N/A			
Antenna serial number .....:	N/A			
Antenna Delivery .....:	☒	1TX + 1RX		
	☒	2TX + 2RX		
Antenna technology.....:	☒	_		
	☒	MIMO	☒	CDD
			☐	Beam-forming
Antenna Type.....:	☒	External	☒	Dipole
			☐	Sectorized
	☐	Internal	☐	PIFA
			☐	FPC
			☐	Others……...
_ Antenna Gain .....:	Antenna1:	5150-5250: 0.39dBi 5250-5350: 0.03dBi 5470-5725: 0.55dBi 5725-5850: 0.3dBi		
	Antenna2:	5150-5250: 0.39dBi 5250-5350: 0.03dBi 5470-5725: 0.55dBi 5725-5850: 0.3dBi		
CDD directional gain .....:	For Power:	5150-5250: 0.39dBi 5250-5350: 0.03dBi 5470-5725: 0.55dBi 5725-5850: 0.3dBi		
	For PSD:	5150-5250: 3.4dBi 5250-5350: 3.04dBi 5470-5725: 3.56dBi 5725-5850: 3.31dBi		

1.3 Channel List

For FCC:

802.11a/n/ac/ax(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5550 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz	N/A	N/A
149	5745 MHz	153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	N/A	N/A	N/A	N/A	N/A	N/A
802.11n/ac/ax(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz	N/A	N/A
802.11ac/ax(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	122	5610 MHz
138	5690 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

1.4 Data Rate

IEEE 802.11a

Modulation	R	Data Rate(Mb/s)
BPSK	1/2	6
BPSK	3/4	9
QPSK	1/2	12
QPSK	3/4	18
16-QAM	1/2	24
16-QAM	3/4	36
64-QAM	2/3	48
64-QAM	3/4	54
Note : We have evaluated low/mid/high data rate, the blue font is the highest power data rate.		

IEEE 802.11n/ac

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

IEEE 802.11ax

Spatial streames	MCS Index	Modulation	R	Data Rate(Mb/s)											
				800ns GI				1600ns GI				3200ns GI			
				20MHz	40MHz	80MHz	160MHz	20MHz	40MHz	80MHz	160MHz	20MHz	40MHz	80MHz	160MHz
1	0	BPSK	1/2	8.6	17.2	36	72.1	8.1	16.3	34	68.1	7.3	14.6	30.6	61.3
1	1	QPSK	1/2	17.2	34.4	72.1	144.1	16.3	32.5	68.1	136.1	14.6	29.3	61.3	122.5
1	2	QPSK	3/4	25.8	51.6	108.1	216.2	24.4	48.8	102.1	204.2	21.9	43.9	91.9	183.8
1	3	16-QAM	1/2	34.4	68.8	144.1	288.2	32.5	65	136.1	272.2	29.3	58.5	122.5	245
1	4	16-QAM	3/4	51.6	103.2	216.2	432.4	48.8	97.5	204.2	408.3	43.9	87.8	183.8	367.5
1	5	64-QAM	2/3	68.8	137.6	288.2	576.5	65	130	272.2	544.4	58.5	117	245	490
1	6	64-QAM	3/4	77.4	154.9	324.3	648.5	73.1	146.3	306.3	612.5	65.8	131.6	275.6	551.3
1	7	64-QAM	5/6	86	172.1	360.3	720.6	81.3	162.5	340.3	680.6	73.1	146.3	306.3	612.5
1	8	256QAM	3/4	103.2	206.5	432.4	864.7	97.5	195	408.3	816.7	87.8	175.5	367.5	735
1	9	256QAM	5/6	114.7	229.4	480.4	960.8	108.3	216.7	453.7	907.4	97.5	195	408.3	816.7
1	10	1024QAM	3/4	129	258.1	540.4	1080.9	121.9	243.8	510.4	1020.8	109.7	219.4	459.4	918.8
1	11	1024QAM	5/6	143.4	286.8	600.5	1201	135.4	270.8	567.1	1134.3	121.9	243.8	510.4	1020.8
2	0	BPSK	1/2	17.2	34.4	72	144.2	16.2	32.6	68	136.2	14.6	29.2	61.2	122.6
2	1	QPSK	1/2	34.4	68.8	144.2	288.2	32.6	65	136.2	272.2	29.2	58.6	122.6	245
2	2	QPSK	3/4	51.6	103.2	216.2	432.4	48.8	97.6	204.2	408.4	43.8	87.8	183.8	367.6
2	3	16-QAM	1/2	68.8	137.6	288.2	576.4	65	130	272.2	544.4	58.6	117	245	490
2	4	16-QAM	3/4	103.2	206.4	432.4	864.8	97.6	195	408.4	816.6	87.8	175.6	367.6	735
2	5	64-QAM	2/3	137.6	275.2	576.4	1153	130	260	544.4	1088.8	117	234	490	980
2	6	64-QAM	3/4	154.8	309.8	648.6	1297	146.2	292.6	612.6	1225	131.6	263.2	551.2	1102.6
2	7	64-QAM	5/6	172	344.2	720.6	1441.2	162.6	325	680.6	1361.2	146.2	292.6	612.6	1225
2	8	256QAM	3/4	206.4	413	864.8	1729.4	195	390	816.6	1633.4	175.6	351	735	1470
2	9	256QAM	5/6	229.4	458.8	960.8	1921.6	216.6	433.4	907.4	1814.8	195	390	816.6	1633.4
2	10	1024QAM	3/4	258	516.2	1080.8	2161.8	243.8	487.6	1020.8	2041.6	219.4	438.8	918.8	1837.6
2	11	1024QAM	5/6	286.8	573.6	1201	2402	270.8	541.6	1134.2	2268.6	243.8	487.6	1020.8	2041.6
Note : We have evaluated low/mid/high data rate, the blue font is the highest power data rate.															

Note: The general description of the Item(s), antenna information, data rate and channel list in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

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 802.11ax (20MHz)
	Mode 8: Transmit by 802.11ac (40MHz)
	Mode 9: Transmit by 802.11ax (80MHz)

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

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

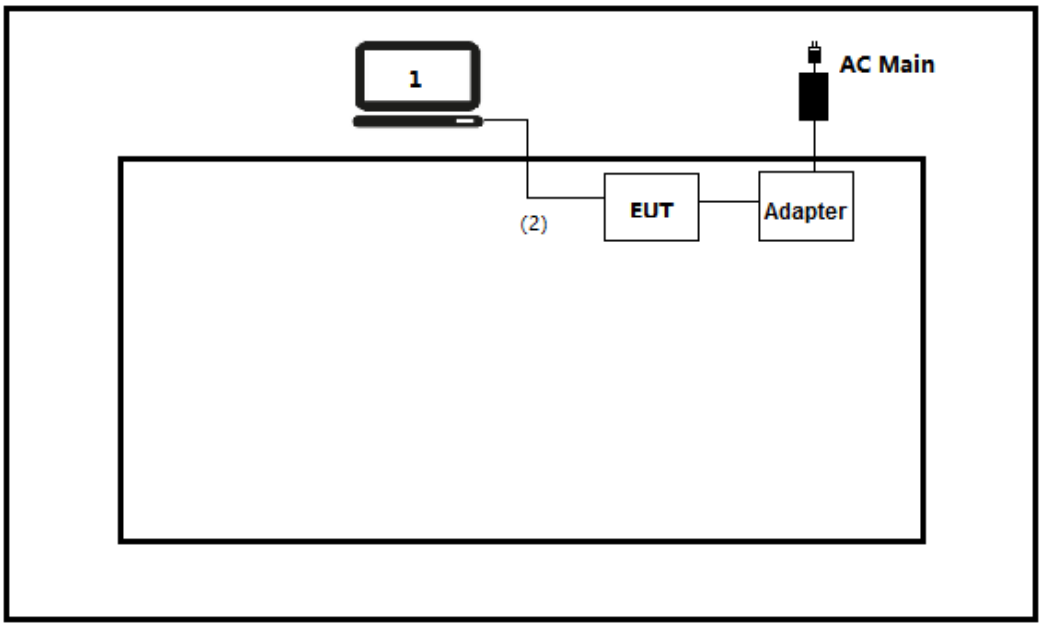
2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
(1) Notebook	Think pad x220	Lenovo	Adapter
(2) USB Control Cable	N/A	N/A	N/A
(3) USB Control Cable	N/A	N/A	N/
software	Type / Version	Manufacturer	Supplied by
QA-tool	N/A	N/A	N/A

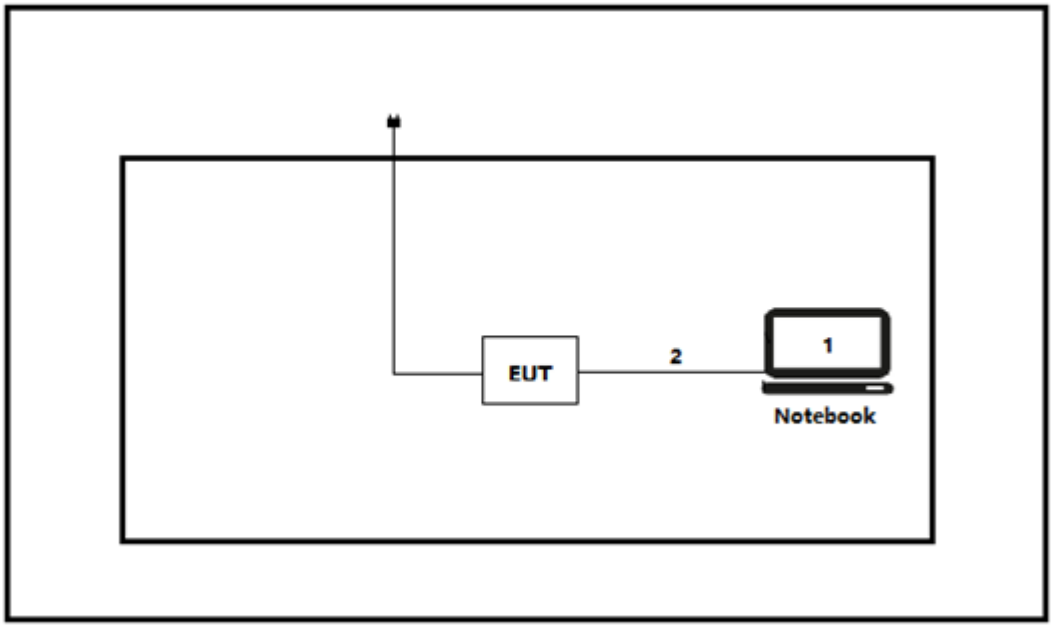
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

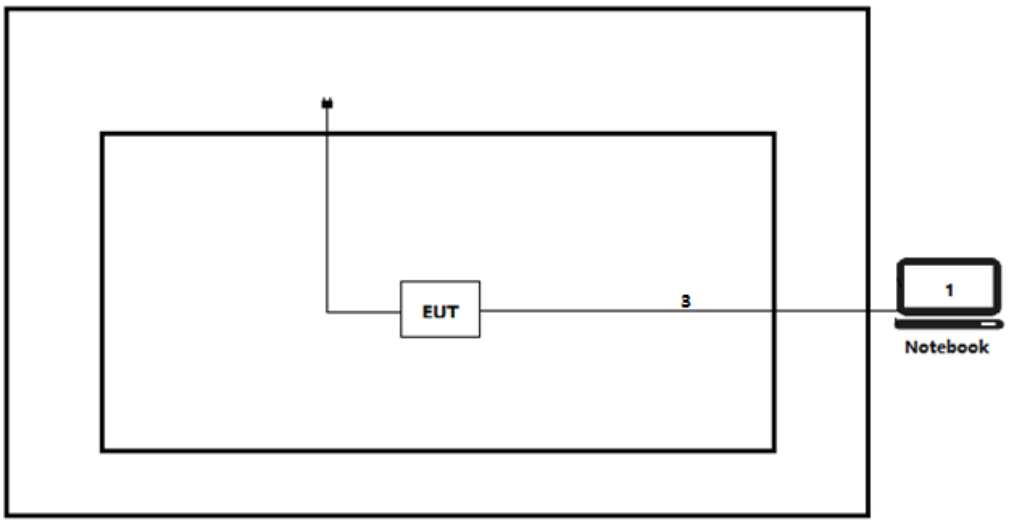
Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Conducted test



Test setup Diagram- Radiated Emission



2.4 Testing process

1	Setup the EUT as shown in Section 2.3.
2	Execute the “QA-tool” on the notebook.
3	Configure the test mode, the test channel, and the data rate.
4	Verify that the EUT works properly.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
FCC CFR Title 47 Part 15 Subpart E	2023	FCC CFR Title 47 Part 15 Subpart E
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	2017	This document provides guidance for determining emissions compliance of U-NII devices under Part 15, Subpart E of the FCC rules.
KDB 662911	2020	Provision to Allow Measurement of Directional Gain of Multi-Antenna Systems for Compliance Verification
RSS-Gen Issue 5 Amendment 2	2021	General Requirements forCompliance of Radio Apparatus
RSS-247 Issue 3	2023	Digital Transmission Systems (DTSs),Frequency Hopping Systems (FHSs)and Licence-Exempt Local Area Network(LE-LAN) Devices

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Requirement – Test case of FCC	Basic standard(s)	Verdict	Remark
Conducted Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.207	N/A	N/A
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.209	PASS	Test data please refer to **Appendix A**
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix B**
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)	PASS	Test data please refer to **Appendix C**
Duty cycle	ANSI C63.10:2013	PASS	Test data please refer to **Appendix D**
Power Output	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix E**
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix F**
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart E: Section 15.205, 15.407(b)	PASS	Test data please refer to **Appendix G**
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(g)	PASS	Test data please refer to **Appendix H**
Dynamic Frequency Selection (DFS)	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(h)	PASS	Test report please refer to **23A0637R-RF-US-DFS-P09V02**
Antenna Requirement	FCC 15.203	PASS	---

3.4 Power setting in test

Power setting :					
Mode	Channel	Frequency (MHz)	Power setting		
			_:ANT1	_:ANT2	CDD:ANT1+2
802.11a	36	5180	20.5	20.5	17.5
	44	5220	20.5	20.5	17.5
	48	5240	20.5	20.5	17.5
	52	5260	20	20	17
	60	5300	20	20	17
	64	5320	20	20	17
	100	5500	20	20	17
	116	5580	20	20	17
	140	5700	20	20	17
	149	5745	20.5	20.5	17.5
	157	5785	20.5	20.5	17.5
	165	5825	20.5	20.5	17.5
802.11n(20MHz)	36	5180	20	20	17
	44	5220	20	20	17
	48	5240	20	20	17
	52	5260	20	20	17
	60	5300	20	20	17
	64	5320	20	20	17
	100	5500	19.5	19.5	16.5
	116	5580	20	20	17
	140	5700	19.5	19.5	16.5
	149	5745	20.5	20.5	17.5
	157	5785	20.5	20.5	17.5
	165	5825	20.5	20.5	17.5
802.11n(40MHz)	38	5190	19.5	19.5	16.5
	46	5230	19.5	19.5	16.5
	54	5270	20	20	17
	62	5310	19.5	19.5	16.5
	102	5510	19.5	19.5	16.5
	118	5590	19.5	19.5	16.5
	134	5670	20	20	17
	151	5755	20.5	20.5	17.5
	159	5795	20.5	20.5	17.5

802.11ac(20MHz)	36	5180	20.5	20.5	17.5
	44	5220	20.5	20.5	17.5
	48	5240	20.5	20.5	17.5
	52	5260	20.5	20.5	17.5
	60	5300	20.5	20.5	17.5
	64	5320	20.5	20.5	17.5
	100	5500	20.5	20.5	17.5
	116	5580	20.5	20.5	17.5
	140	5700	20.5	20.5	17.5
	149	5745	20.5	20.5	17.5
	157	5785	20.5	20.5	17.5
	165	5825	20.5	20.5	17.5
802.11ac(40MHz)	38	5190	20	20	17
	46	5230	20.5	20.5	17.5
	54	5270	20.5	20.5	17.5
	62	5310	19.5	19.5	16.5
	102	5510	19	19	16
	118	5590	20.5	20.5	17.5
	134	5670	20.5	20.5	17.5
	151	5755	20.5	20.5	17.5
	159	5795	20.5	20.5	17.5
802.11ac(80MHz)	42	5210	20.5	20.5	17.5
	58	5290	19.5	19.5	16.5
	106	5530	19	19	16
	112	5610	20.5	20.5	17.5
	155	5775	21	21	18

802.11ax(20MHz)	36	5180	21	21	18
	44	5220	21	21	18
	48	5240	21	21	18
	52	5260	21	21	18
	60	5300	21	21	18
	64	5320	21	21	18
	100	5500	21	21	18
	116	5580	21	21	18
	140	5700	21	21	18
	149	5745	21.5	21.5	18.5
	157	5785	21.5	21.5	18.5
	165	5825	21.5	21.5	18.5
802.11ax(40MHz)	38	5190	21	21	18
	46	5230	21	21	18
	54	5270	21	21	18
	62	5310	20	20	17
	102	5510	20	20	17
	118	5590	21	21	18
	134	5670	21	21	18
	151	5755	21.5	21.5	18.5
	159	5795	21.5	21.5	18.5
802.11ax(80MHz)	42	5210	21	21	18
	58	5290	21	21	18
	106	5530	20.5	20.5	17.5
	112	5610	21	21	18
	155	5775	21	21	18

3.5 Test Matrix

Test item	Mode：WXT28M2111	
	1(#1)	2(#2)
Conducted Emission	☐	☒
Radiated Emission	☐	☒
Emission bandwidth and occupied bandwidth	☒	☐
6dB Emission Bandwidth	☒	☐
Duty cycle	☒	☐
Power Output	☒	☐
Peak Power Spectral Density	☒	☐
Band Edge	☐	☒
Frequency Stability	☒	☐
Note: The only difference between sample #1 and sample #2 is whether to keep the original antenna, sample #1 is a conduction test product that removes the original antenna and is equipped with SMA wires, and sample #2 is a complete product that retains the original antenna.		

3.6 Test Facility

USA	**:**	**FCC Designation Number: CN1199**

4 TEST RESULTS

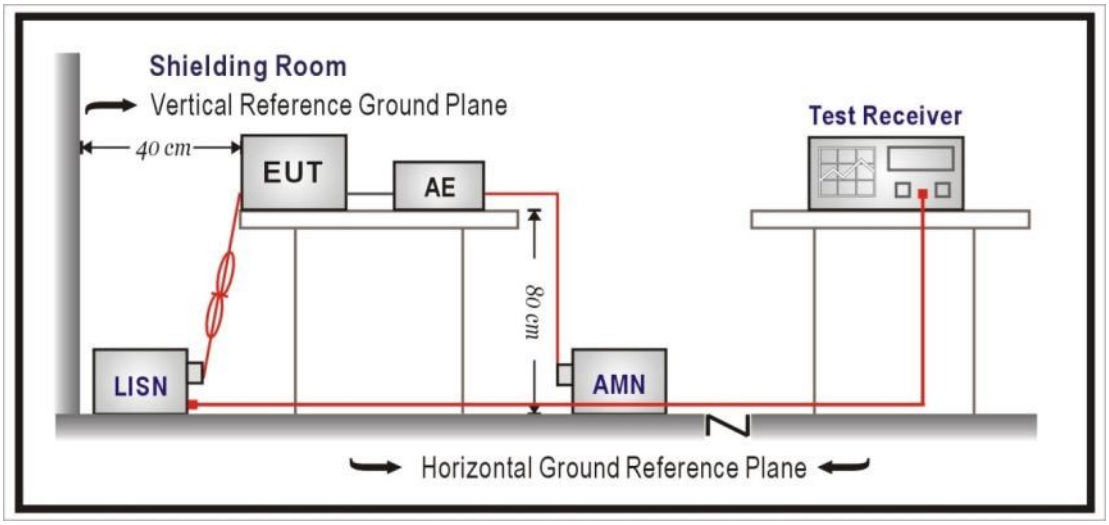
4.1 AC Power Line Conducted Emission	VERDICT: N/A

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207; RSS-Gen Issue 5: Section 8.8	
Frequency range [MHz]	Limit: QP [dB(μV)[1)]]	Limit: AV [dB(μV)[1)]]
0,15 - 0,50	66 – 56 [2)]	56 - 46 [2)]
0,50 - 5,0	56	46
5,0 - 30	60	50

[1)] At the transition frequency, the lower limit applies.
[2)] The limit decreases linearly with the logarithm of the frequency.
NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.
NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup



4.1.3 Test Procedure

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

4.2 Radiated Emissions — VERDICT: PASS

4.2.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.205, RSS-Gen Issue 5:Section 8.9; RSS-247 Issue 3:Section 6.2

Restricted Bands of operation

MHz	MHz	MHz	GHz
0. 090–0. 110	16. 42–16. 423	399. 9–410	4. 5–5. 15
[1]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. 41425–8. 41475	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	([2])
13. 36–13. 41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 38.6

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit),RSS-Gen Issue5:Section 8.9(Restricted Band Emissions Limit)

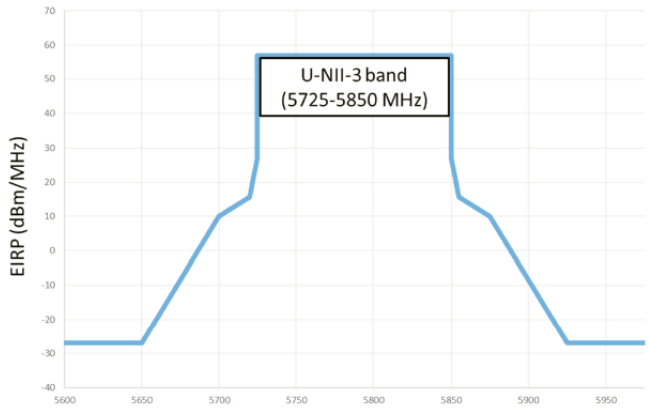
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above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

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

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

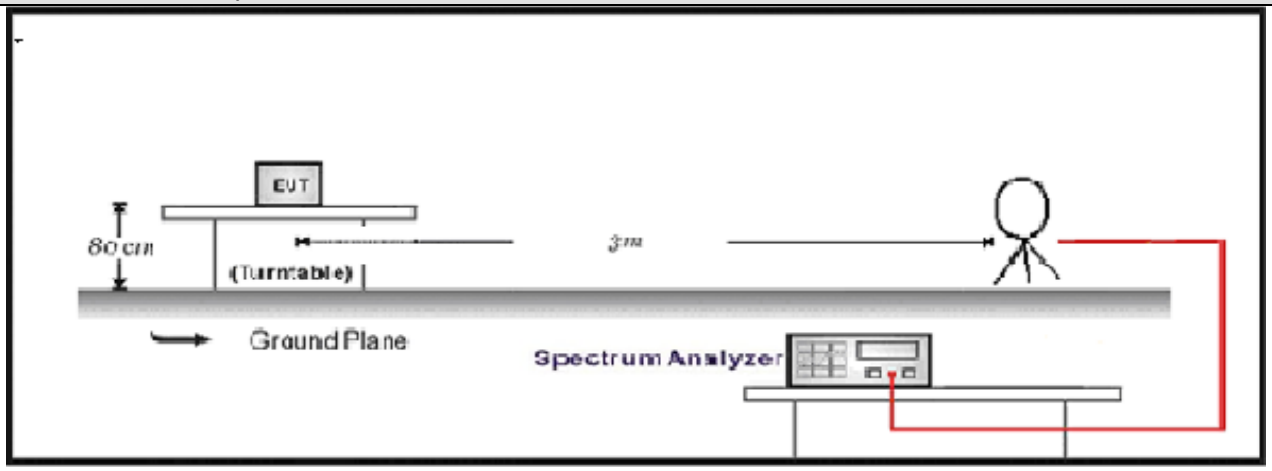
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit), RSS-247 Issue3: Section 6.2 (Restricted Band Emissions Limit)

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

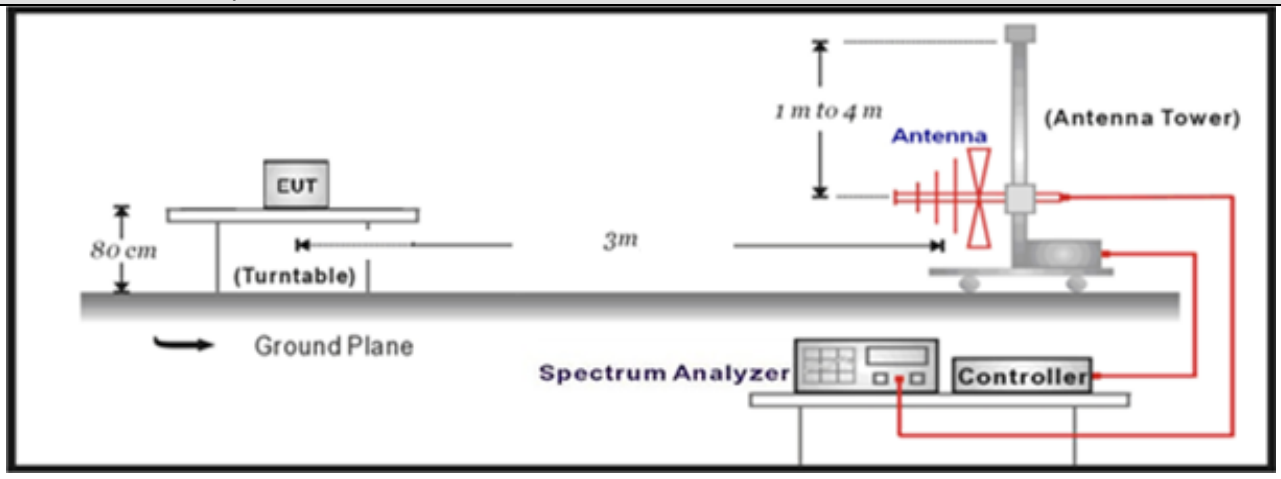
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5850	

4.2.2 Test Setup

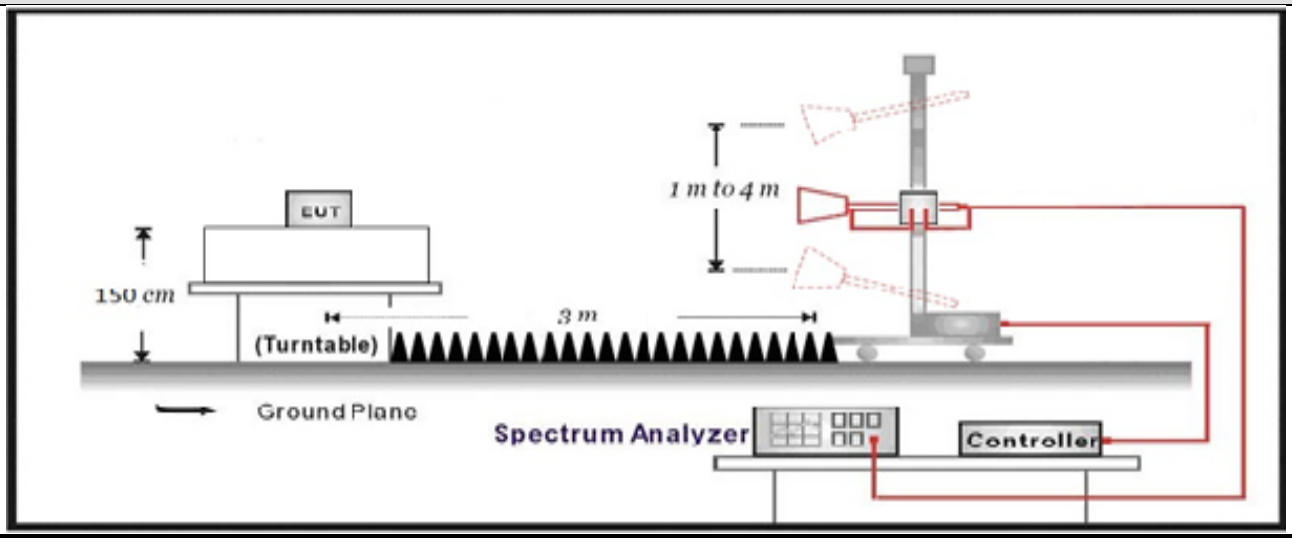
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



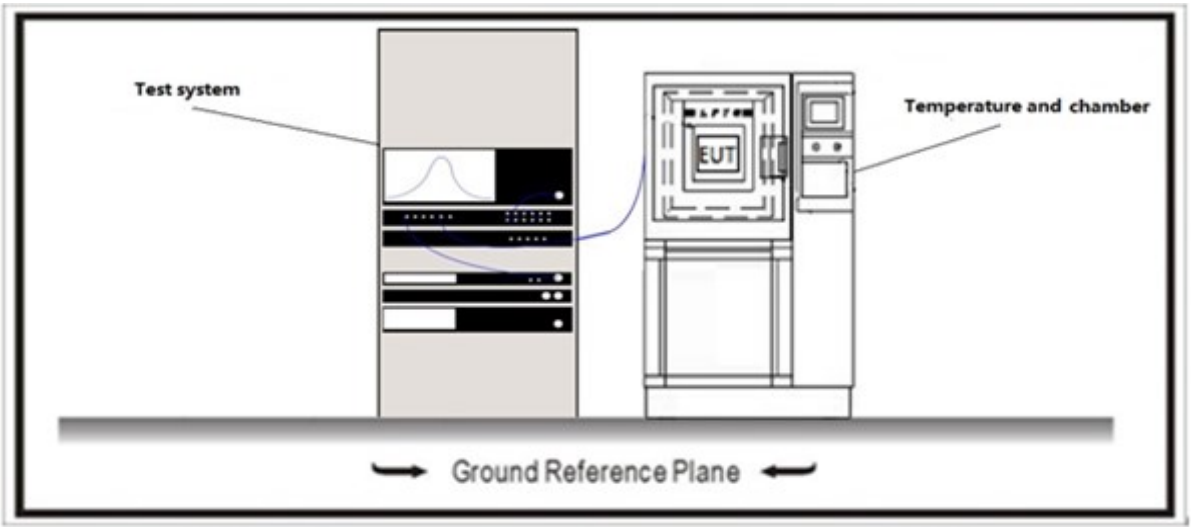
4.2.3 Test Procedure

Test Method			
	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
	☒ ANSI C63.10	12.7.5	Radiated emission measurements
	☒ ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒ ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐ ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒ ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☒ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☒ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.3 Emission bandwidth	VERDICT: PASS

4.3.1 Limit	
Standard	FCC CFR Title 47 Part 15 Subpart E: Section 15.407, RSS-Gen Issue 5:Section 6.7
Whin the Frequncy band.	

4.3.2 Test Setup



4.3.3 Test Procedure

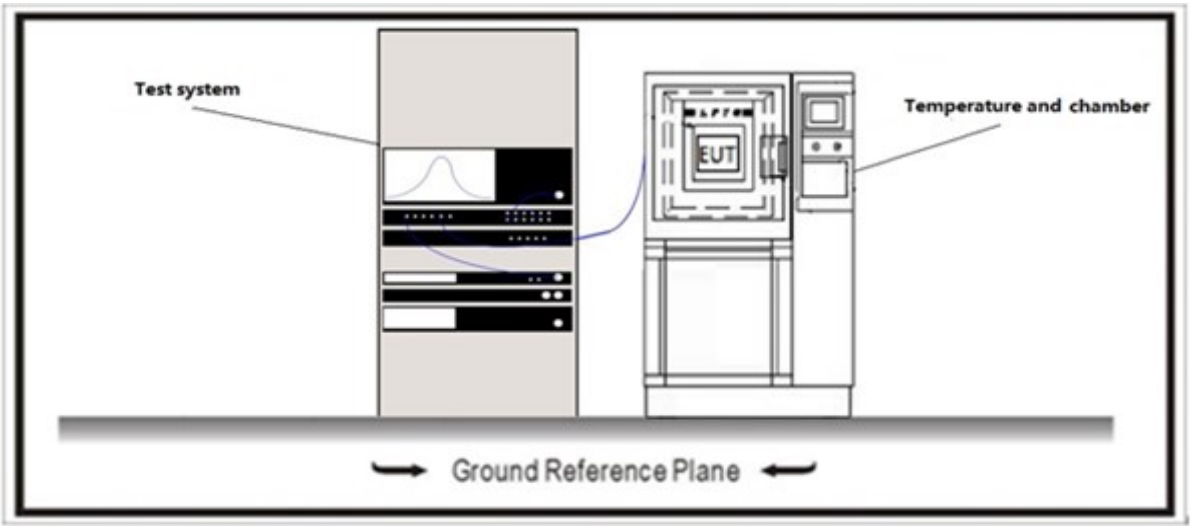
Test Method

	References Rule	Chapter	Description
☐	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	☐ ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	☐ ANSI C63.10	12.4.2	Occupied bandwidth (99%)
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
	☒ FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
	☐ FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☒	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

4.4 6dB bandwidth	VERDICT: PASS

4.4.1 Limit	
Standard	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e), RSS-247 Issue 3:Section 6.2.4.2
6dB Bandwith ⩾500KHz	

4.4.2 Test Setup



4.4.3 Test Procedure

Test Method

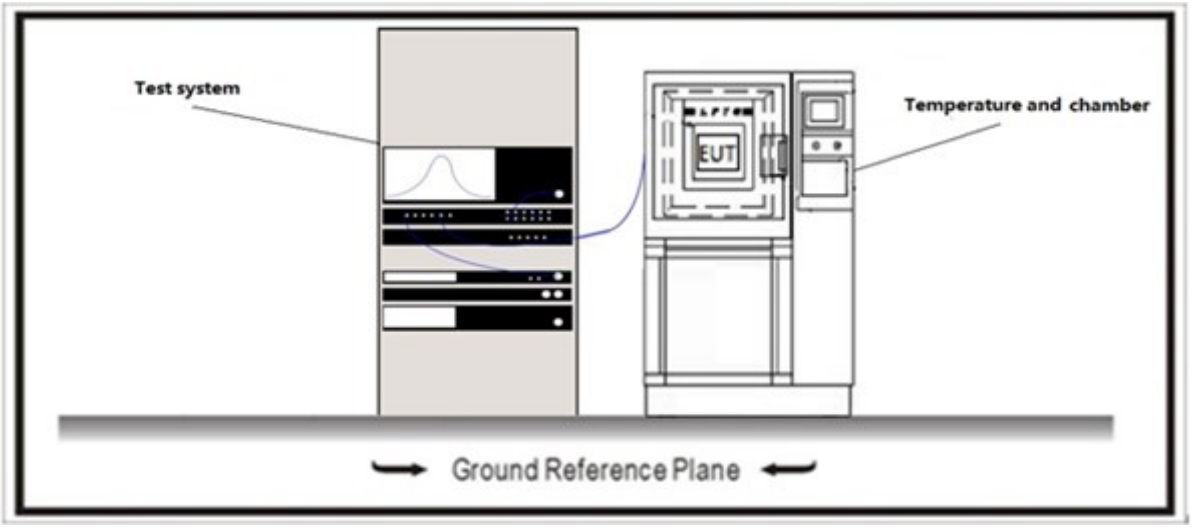
	References Rule	Chapter	Description
☐	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	☐ ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	☐ ANSI C63.10	12.4.2	Occupied bandwidth (99%)
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
	☐ FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
	☒ FCC KDB 789033 D02v02r01	C.2	Minimum Emission Bandwidth for the band 5.725-5.85 GHz (6dB)
☐	FCC KDB 789033 D02v02r01	D	99 Percent Occupied Bandwidth

4.5 Duty cycle — VERDICT: PASS

4.5.1 Limit

N/A

4.5.2 Test Setup



4.5.3 Test Procedure

References Rule		Chapter	Description
☒	ANSI C63.10	11.6	Duty cycle (D), transmission duration (T), and maximum power control level

4.6 Power Output	VERDICT: PASS

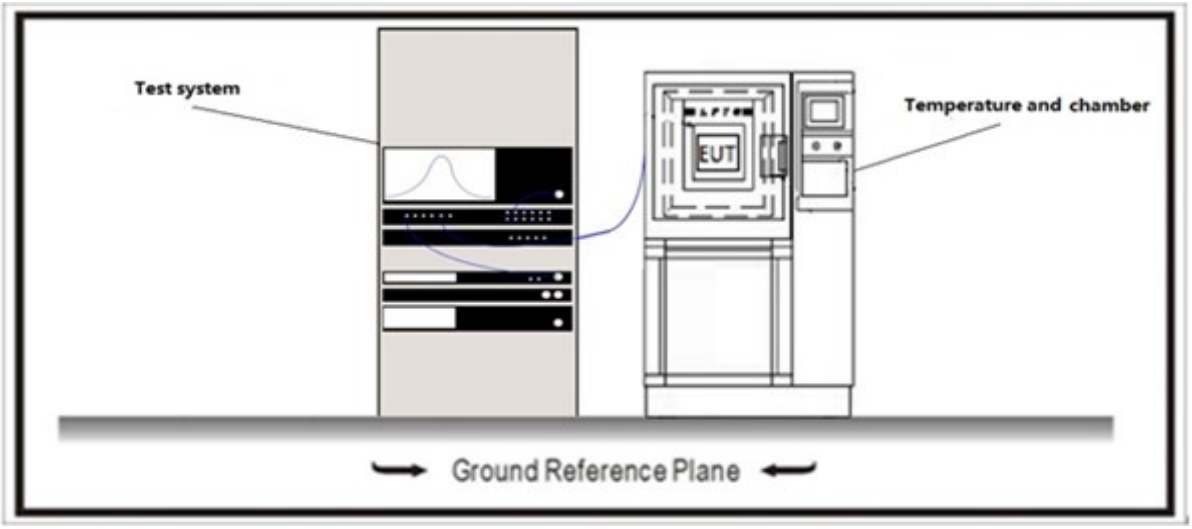
4.6.1 Limit

Standard		FCC Part 15 Subpart E Paragraph 15.407 (a)
☒	For the band 5.15-5.25 GHz	
	☐	Outdoor access point: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞6dBi, then Pout≤30 - (G_{TX} - 6) and ≤125mW at any angle above 30 degrees
	☐	Indoor access point: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞6dBi, then Pout≤30 - (G_{TX} - 6)
	☐	Fixed point-to-point access points: the maximum conducted output power shall not exceed 1 W. If G_{TX}＞23 0dBi, then Pout≤30 - (G_{TX} - 23)
	☒	Mobile and portable client devices: the maximum conducted output power shall not exceed 250mW. If G_{TX}＞6dBi, then Pout≤24 - (G_{TX} - 6)
☒	For the band 5.25-5.35 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX} ＞ 6dBi, then Pout ≤ (The lesser of 24 or 11dBm+10 Log B) - (GTX - 6)
☒	For the 5.47-5.725 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm+10 Log B, where B is the 26dB emission bandwidth in MHz. If G_{TX}＞6dBi, then Pout ≤ (The lesser of 24 or 11dBm+10 Log B) - (G_{TX} - 6)
☒	For the band 5.725-5.85 GHz:	
	☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W
Note 1 : GTX directional gain of transmitting antennas. Note 2 : Pout is maximum conducted output power .		

Standard		RSS-247 Issue 3 Paragraph 6.2
☒	For the band 5.15-5.25 GHz	
	☐	For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10log10B, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.
	☒	For other devices, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.
☒	For the band 5.25-5.35 GHz:	

	☐	For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10log10B, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm + 10 Log B, whichever is less, the maximum e.i.r.p. shall not exceed 1.0 W or 17dBm + 10 Log B, whichever is less, where B is the 99% bandwidth in MHz.
☒	For the 5.47-5.725 GHz:	
	☒	The maximum conducted output power shall not exceed 250mW or 11dBm + 10 Log B, whichever is less, the maximum e.i.r.p. shall not exceed 1.0 W or 17dBm + 10 Log B, whichever is less, where B is the 99% bandwidth in MHz.
☒	For the band 5.725-5.85 GHz:	
	☒	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W
Note 1 : GTX directional gain of transmitting antennas. Note 2 : Pout is maximum conducted output power .		

4.6.2 Test Setup



4.6.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		12.3	Maximum conducted output power
	☒	ANSI C63.10	12.3.2	Maximum conducted output power measurement using a spectrum analyzer (SA) or EMI receiver
		☐ ANSI C63.10	12.3.2.2	Method SA-1
		☐ ANSI C63.10	12.3.2.3	Method SA-1A (alternative)
		☒ ANSI C63.10	12.3.2.4	Method SA-2
		☐ ANSI C63.10	12.3.2.5	Method SA-2A (alternative)
		☐ ANSI C63.10	12.3.2.6	Method SA-3
		☐ ANSI C63.10	12.3.2.7	Method SA-3A (alternative)
	☒	ANSI C63.10	12.3.3	Maximum conducted output power using a power meter
		☐ ANSI C63.10	12.3.3.1	Method PM
		☒ ANSI C63.10	12.3.3.2	Method PM-G

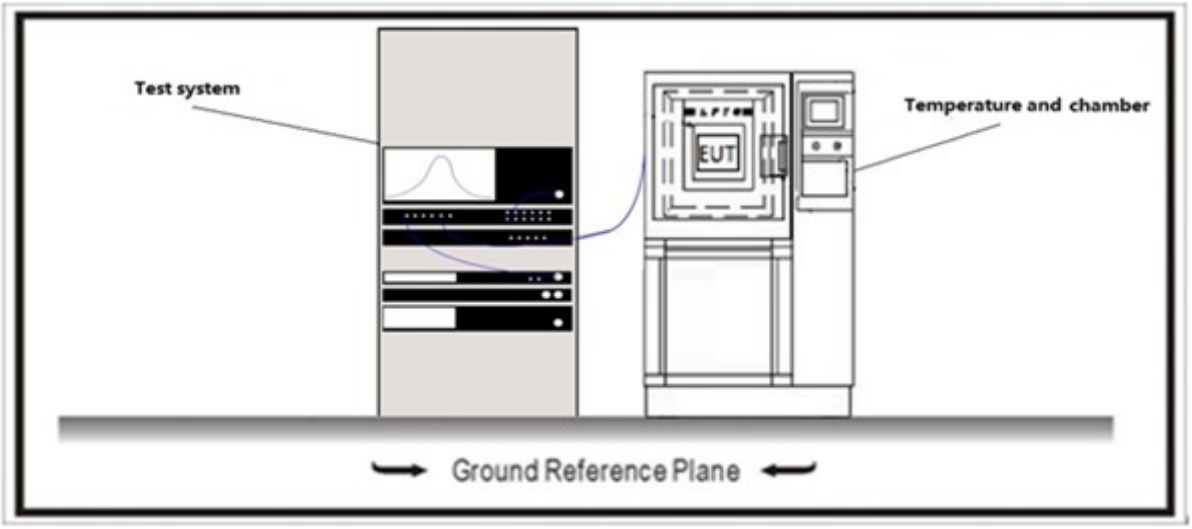
Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.7 Maximum Power Spectral Density	VERDICT: PASS

4.7.1 Limit		
Standard	FCC Part 15 Subpart E Paragraph 15.407 (a)	
☒	For the band 5.15-5.25 GHz	
	☐	Outdoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX} > 6dBi, then Pout ≤ 17 - (G_{TX} - 6)
	☐	Indoor access point: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX} > 6dBi, then Pout ≤ 17 - (G_{TX} - 6)
	☐	Fixed point-to-point access points: the maximum power spectral density shall not exceed 17 dBm/MHz. If G_{TX} > 23dBi, then Pout ≤ 17 - (G_{TX} - 23)
	☒	Mobile and portable client devices: the maximum power spectral density shall not exceed 11 dBm/MHz. If G_{TX} > 6dBi, then Pout ≤ 11 - (G_{TX} - 6)
☒	For the 5.25-5.35 GHz:	
	☒	The maximum power spectral density shall not exceed 11 dBm/MHz. If G_{TX} > 6dBi, then Pout ≤ 11 - (G_{TX} - 6)
☒	For the 5.47-5.725 GHz:	
	☒	The maximum power spectral density shall not exceed 11 dBm/MHz.If G_{TX} > 6dBi, then Pout ≤ 11 - (G_{TX} - 6)
☒	For the band 5.725-5.85 GHz:	
	☒	The maximum power spectral density shall not exceed 30 dBm/500KHz. If G_{TX} > 6dBi, then Pout ≤ 30 - (G_{TX} - 6)
Note 1: G_{TX} directional gain of transmitting antennas. Note 2: P_{out} is maximum power spectral density.		
Standard	RSS-247 Issue 3 Paragraph 6.2	
☒	For the band 5.15-5.25 GHz: The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	
☒	For the 5.25-5.35 GHz: The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.	
☒	For the 5.47-5.725 GHz: The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.	
☒	For the band 5.725-5.85 GHz: The power spectral density shall not exceed 30 dBm in any 500 kHz band. If G_{TX} > 6dBi, then P_{out} ≤ 30 - (G_{TX} - 6)	
Note 1 : G_{TX} directional gain of transmitting antennas. Note 2 : P_{out} is maximum conducted output power .		

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☐	KDB 662911		F2)c)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (i)	Cross-polarized antennas
	☐	ANSI C63.10	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)e)	Spatial stream
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☒	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☒	KDB 662911	F2)f) (iii)	Antenna have the different gain with more than one spatial stream

4.7.2 Test Setup



4.7.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	12.5	Peak power spectral density
☒	FCC KDB 789033 D02v02r01	F	Maximum Power Spectral Density (PSD)

4.8 Radiated Emission Band Edge	VERDICT: PASS

4.8.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.205, RSS-Gen Issue 5:Section 8.9; RSS-247 Issue 3:Section 6.2

Restricted Bands of operation

MHz	MHz	MHz	GHz
0. 090–0. 110	16. 42–16. 423	399. 9–410	4. 5–5. 15
[1]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. 41425–8. 41475	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	([2])
13. 36–13. 41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 38.6

FCC Part 15 Subpart C Paragraph 15.209 (Restricted Band Emissions Limit), RSS-Gen Issue5:Section 8.9 (Restricted Band Emissions Limit)

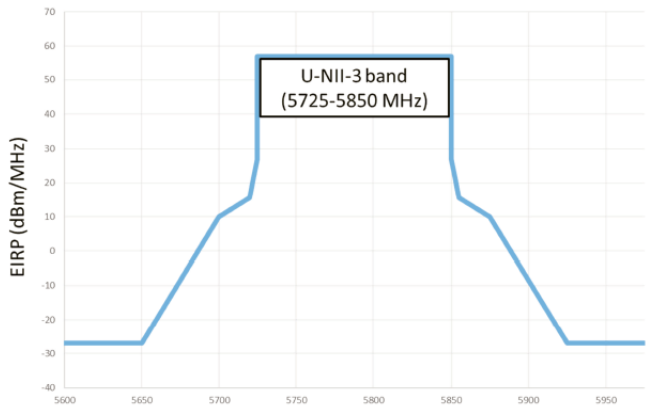
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above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

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

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

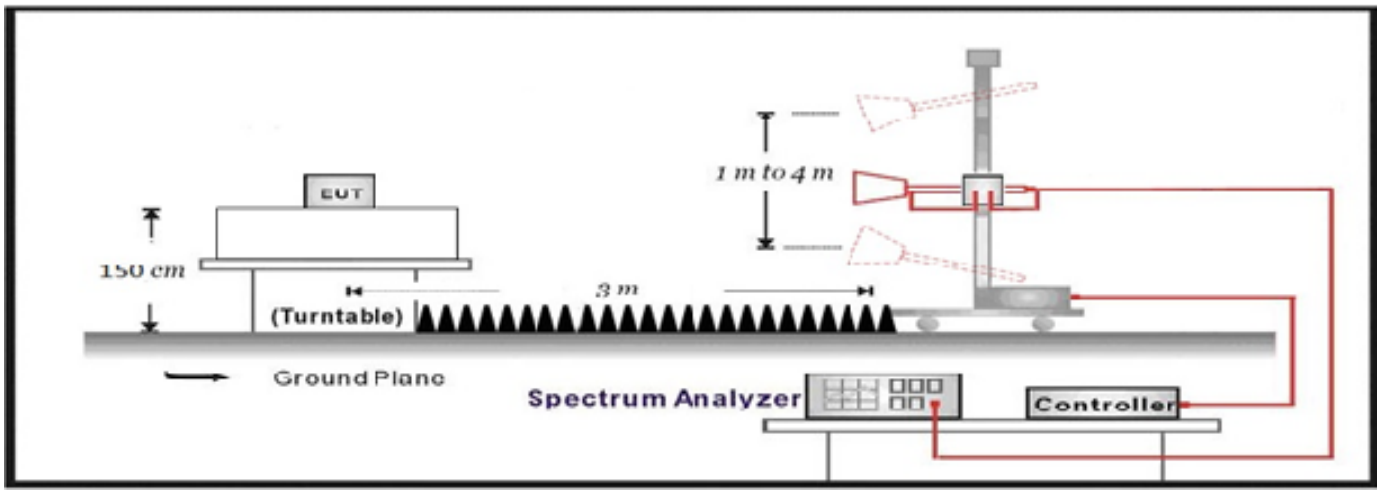
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit), RSS-247 Issue3: Section 6.2 (Restricted Band Emissions Limit)

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

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5850	

4.8.2 Test Setup

Above 1GHz Test Setup:



4.8.3 Test Procedure

	References Rule	Chapter	Description
☐	ANSI C63.10	12.7.3	Emissions in non-restricted frequency bands
☒	ANSI C63.10	12.7.2	Emissions in restricted frequency bands
	☐ ANSI C63.10	12.7.5	Radiated emission measurements
	☒ ANSI C63.10	12.7.6	Procedure for peak unwanted emissions measurements above 1000 MHz
	☒ ANSI C63.10	12.7.7	Procedures for average unwanted emissions measurements above 1000 MHz
	☐ ANSI C63.10	12.7.7.2	Method AD (average detection)—primary method
	☒ ANSI C63.10	12.7.7.3	Method VB-A (Alternative)
	☐ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☐ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☐ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz
☐	FCC KDB 789033 D02v02r01	G.2	Unwanted Emissions that fall Outside of the Restricted Bands
☐	FCC KDB 789033 D02v02r01	G.1	Unwanted Emissions in the Restricted Bands
	☐ FCC KDB 789033 D02v02r01	G.4	Procedure for Unwanted Emissions Measurements below 1000 MHz
	☐ FCC KDB 789033 D02v02r01	G.5	Procedure for Unwanted Maximum Emissions Measurements above 1000 MHz
	☐ FCC KDB 789033 D02v02r01	G.6	Procedures for Average Unwanted Emissions Measurements above 1000 MHz

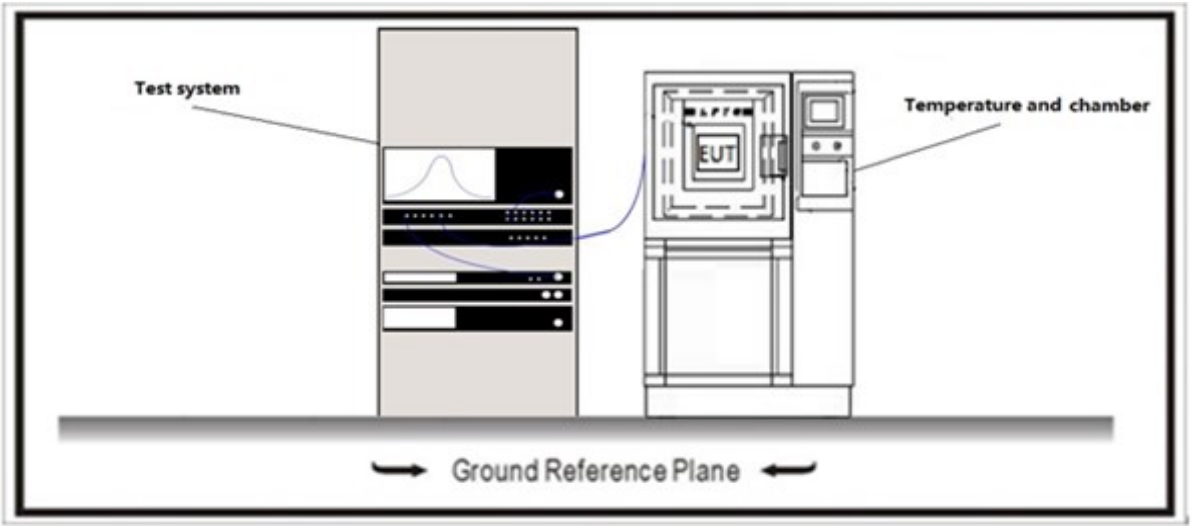
		☐	FCC KDB 789033 D02v02r01	G.6.c	Method AD (Average detection)—primary method
		☐	FCC KDB 789033 D02v02r01	G.6.d	Method VB (Averaging using reduced video bandwidth): Alternative method.

4.9 Frequency Stability	VERDICT: PASS

4.9.1 Limit:

In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25ppm maximum for the 2.4 GHz band.

4.9.2 Test Setup



4.9.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		6.8	Frequency stability tests
	☒	ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
	☒	ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

4.10 Antenna Requirement	VERDICT: PASS

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

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

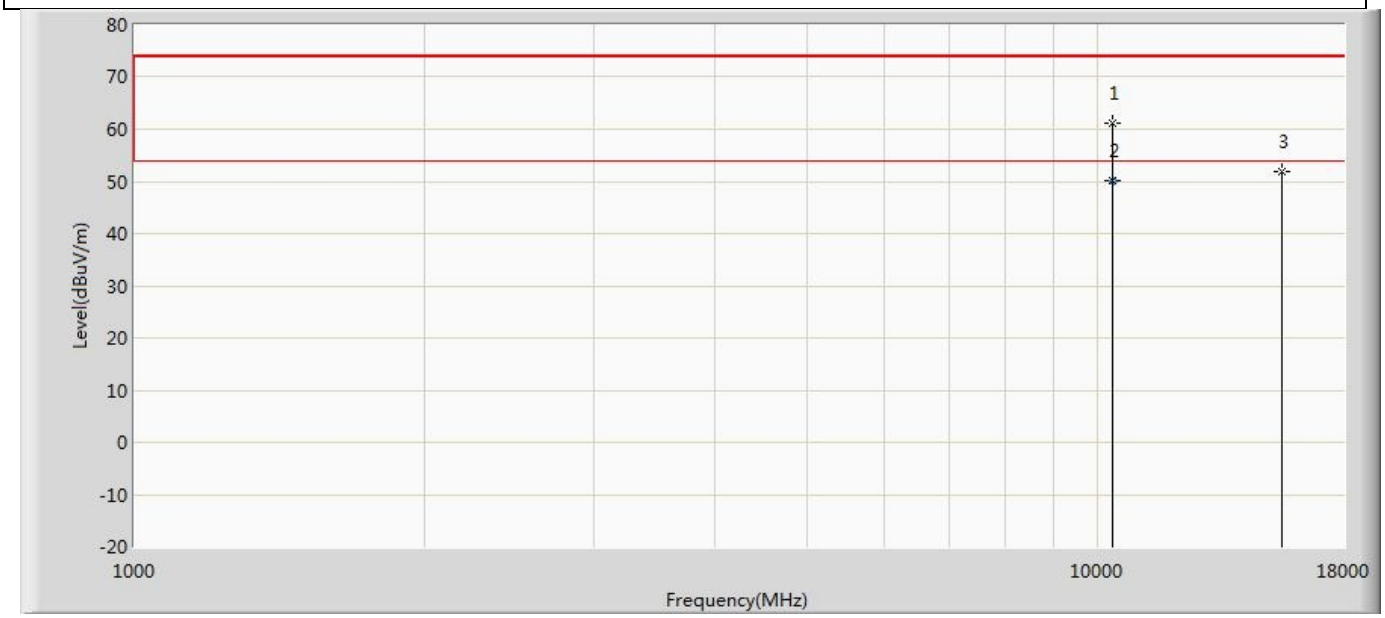
5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

6 TEST RESULT

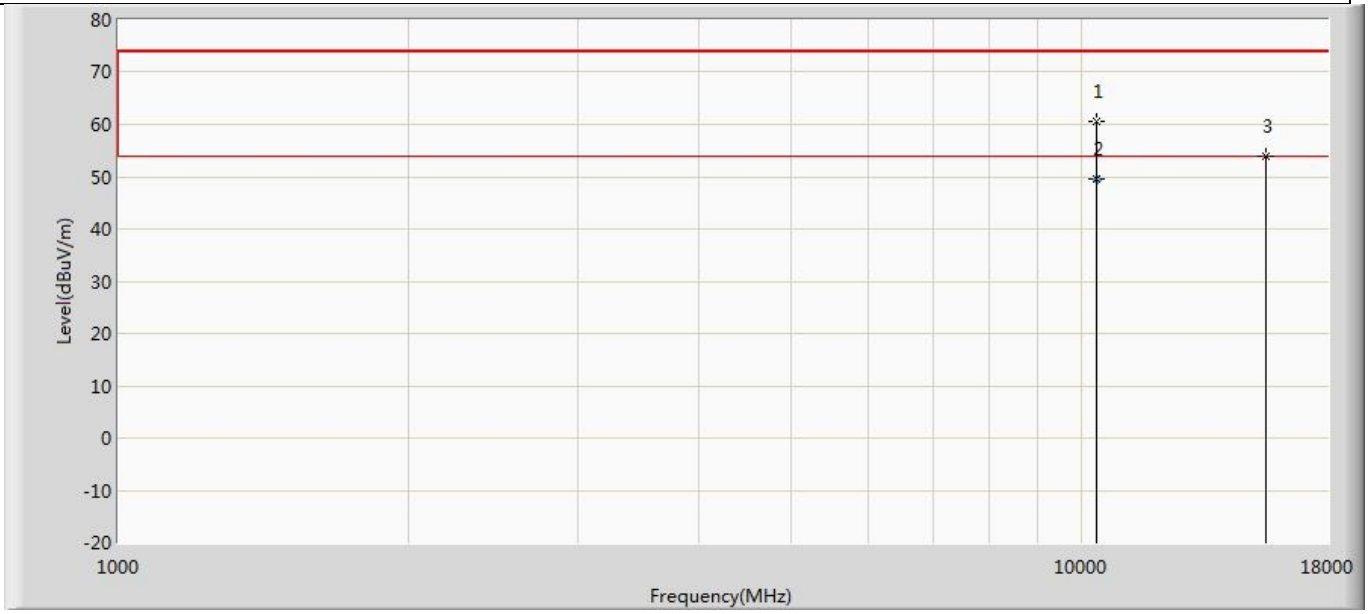
Appendix A: Radiated Emission

Profile: 23A0637R	Page No.: 167
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5180MHz by 802.11a with Ant2	



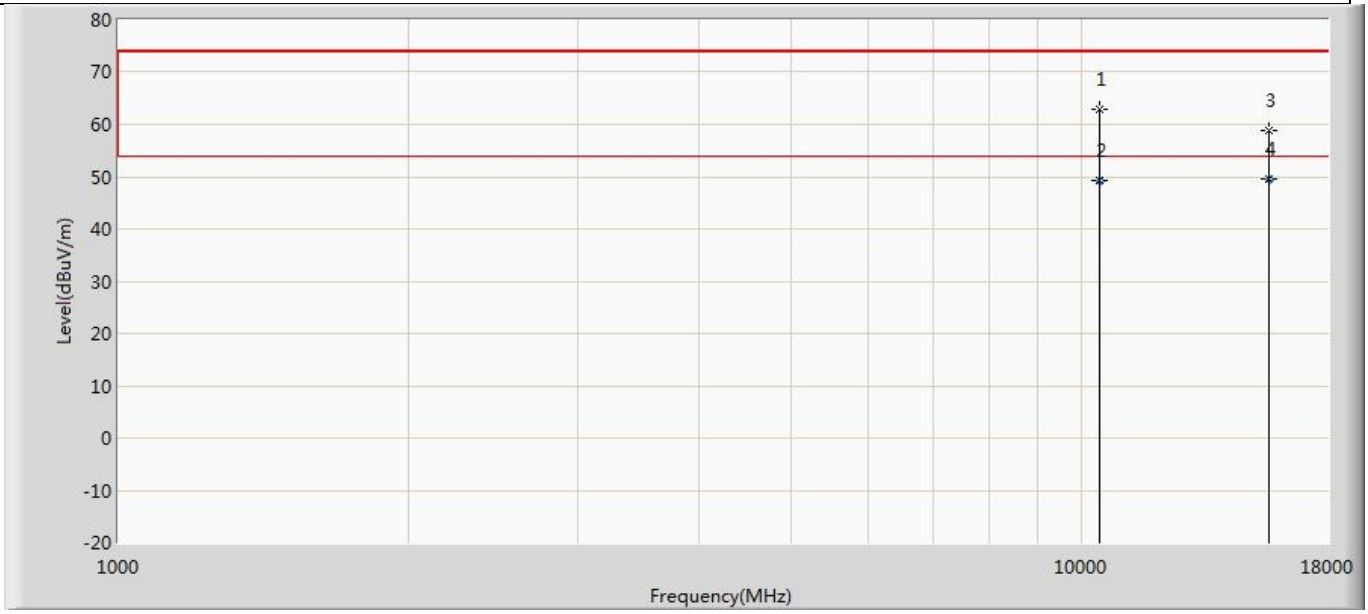
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10350.000	61.118	64.858	-12.882	74.000	-3.740	PK
2	*	10360.000	50.221	53.627	-3.779	54.000	-3.406	AV
3		15540.000	51.792	50.749	-22.208	74.000	1.043	PK

Profile: 23A0637R	Page No.: 168
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5180MHz by 802.11a with Ant2	



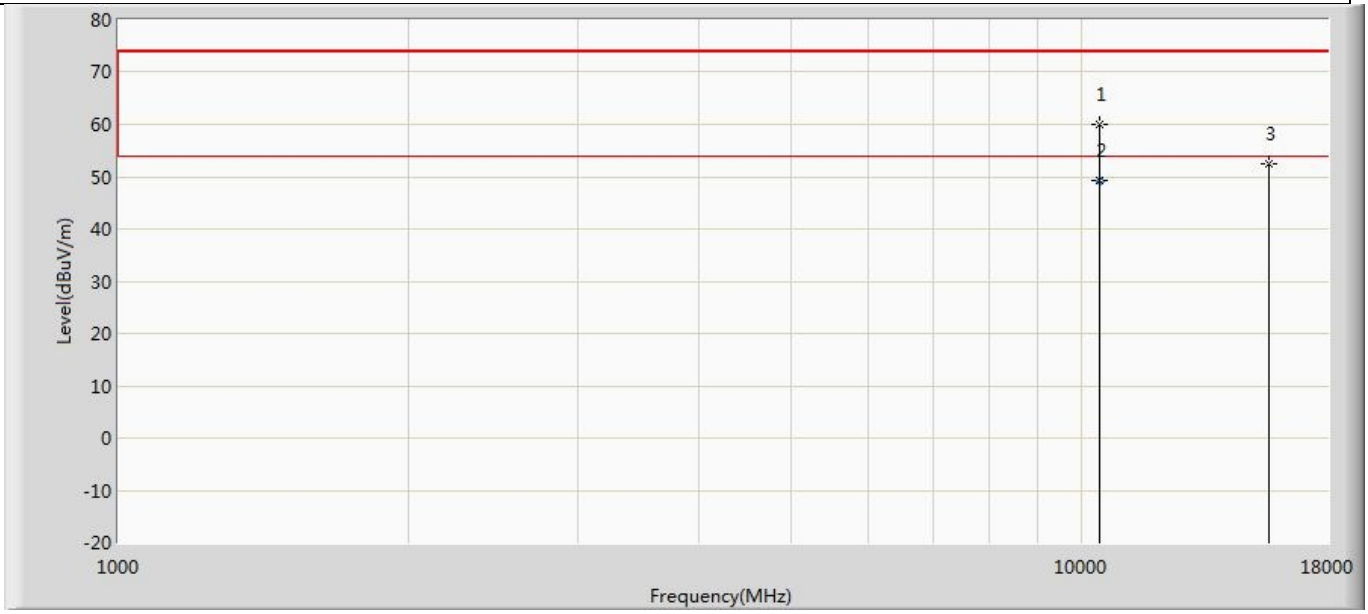
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10350.000	60.436	64.176	-13.564	74.000	-3.740	PK
2	*	10360.000	49.561	52.967	-4.439	54.000	-3.406	AV
3		15540.000	53.875	52.832	-20.125	74.000	1.043	PK

Profile: 23A0637R	Page No.: 169
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5220MHz by 802.11a with Ant2	



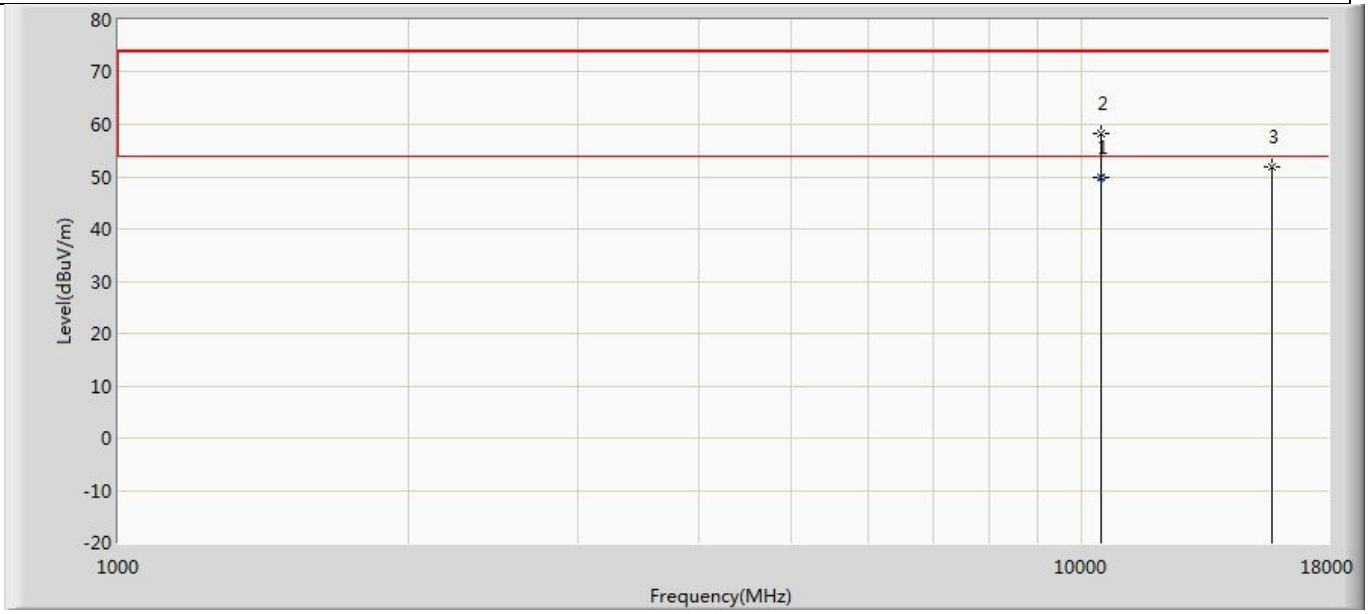
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	62.805	66.083	-11.195	74.000	-3.278	PK
2		10440.000	49.354	52.648	-4.646	54.000	-3.294	AV
3		15654.000	58.964	57.871	-15.036	74.000	1.093	PK
4	*	15660.000	49.695	48.684	-4.305	54.000	1.011	AV

Profile: 23A0637R	Page No.: 170
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5220MHz by 802.11a with Ant2	



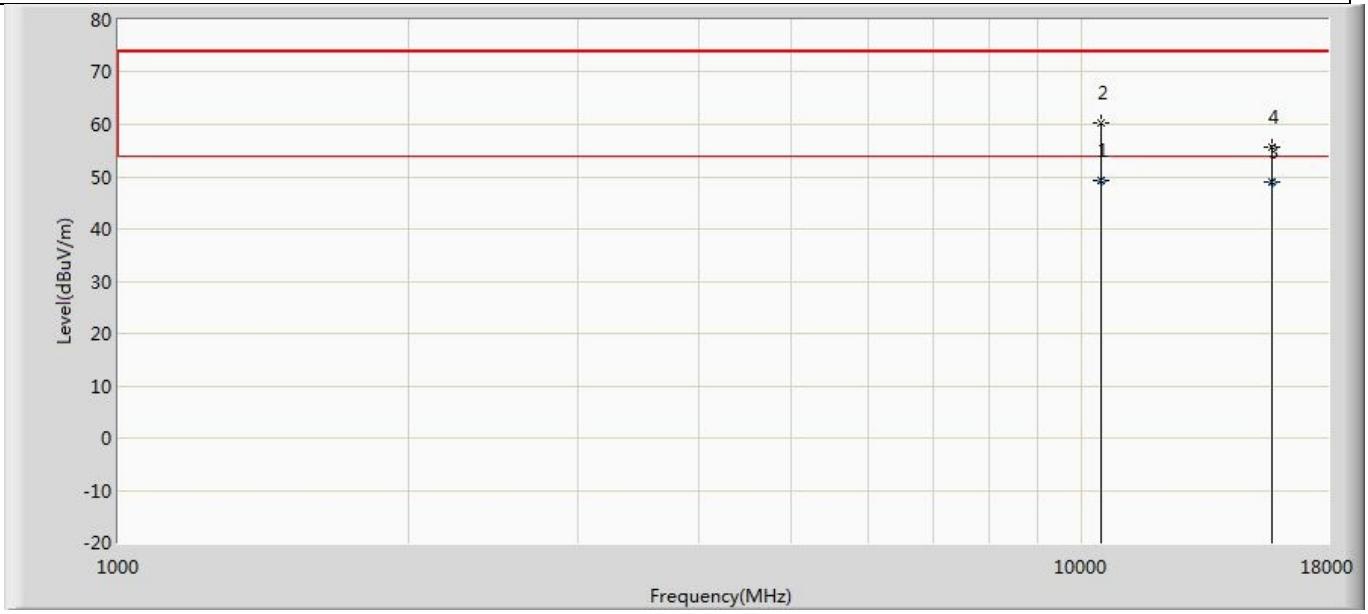
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	60.007	63.285	-13.993	74.000	-3.278	PK
2	*	10440.000	49.277	52.571	-4.723	54.000	-3.294	AV
3		15660.000	52.405	51.394	-21.595	74.000	1.011	PK

Profile: 23A0637R	Page No.: 171
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5240MHz by 802.11a with Ant2	



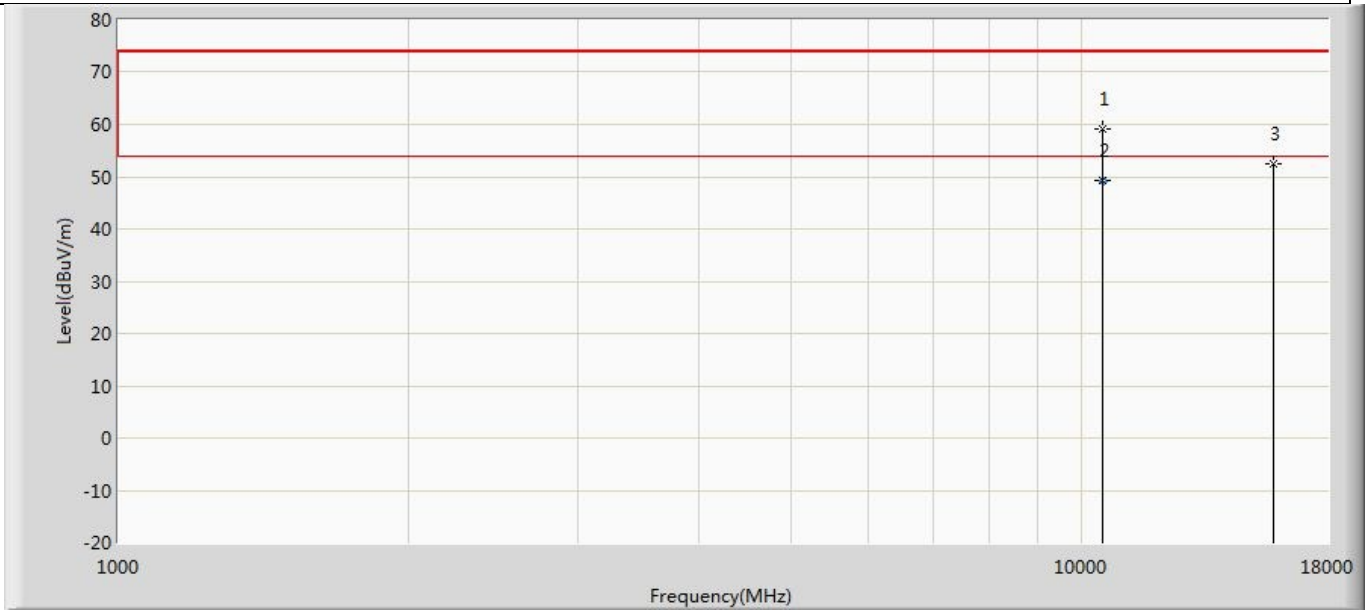
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10480.000	49.935	53.214	-4.065	54.000	-3.279	AV
2		10486.000	58.205	61.446	-15.795	74.000	-3.241	PK
3		15720.000	51.944	50.424	-22.056	74.000	1.520	PK

Profile: 23A0637R	Page No.: 172
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5240MHz by 802.11a with Ant2	



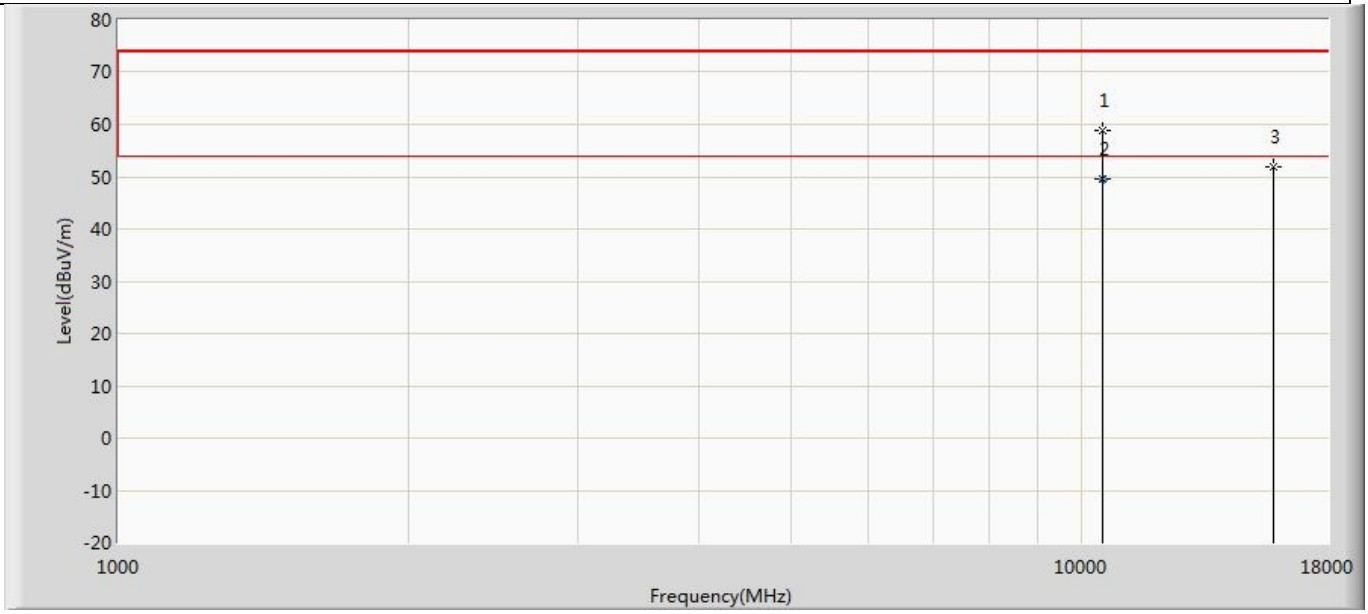
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10480.000	49.402	52.681	-4.598	54.000	-3.279	AV
2		10486.000	60.337	63.578	-13.663	74.000	-3.241	PK
3		15720.000	49.081	47.561	-4.919	54.000	1.520	AV
4		15722.000	55.725	54.181	-18.275	74.000	1.544	PK

Profile: 23A0637R	Page No.: 173
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5260MHz by 802.11a with Ant2	



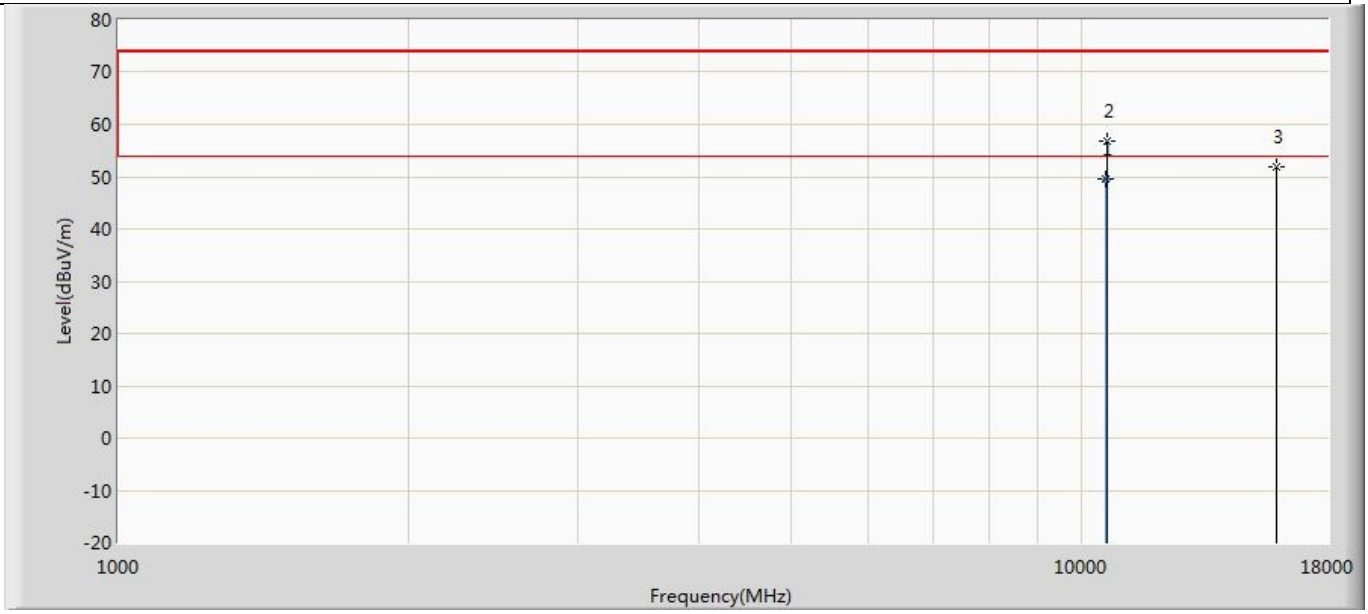
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	59.148	62.387	-14.852	74.000	-3.239	PK
2	*	10520.000	49.180	52.419	-4.820	54.000	-3.239	AV
3		15780.000	52.517	51.259	-21.483	74.000	1.257	PK

Profile: 23A0637R	Page No.: 174
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5260MHz by 802.11a with Ant2	



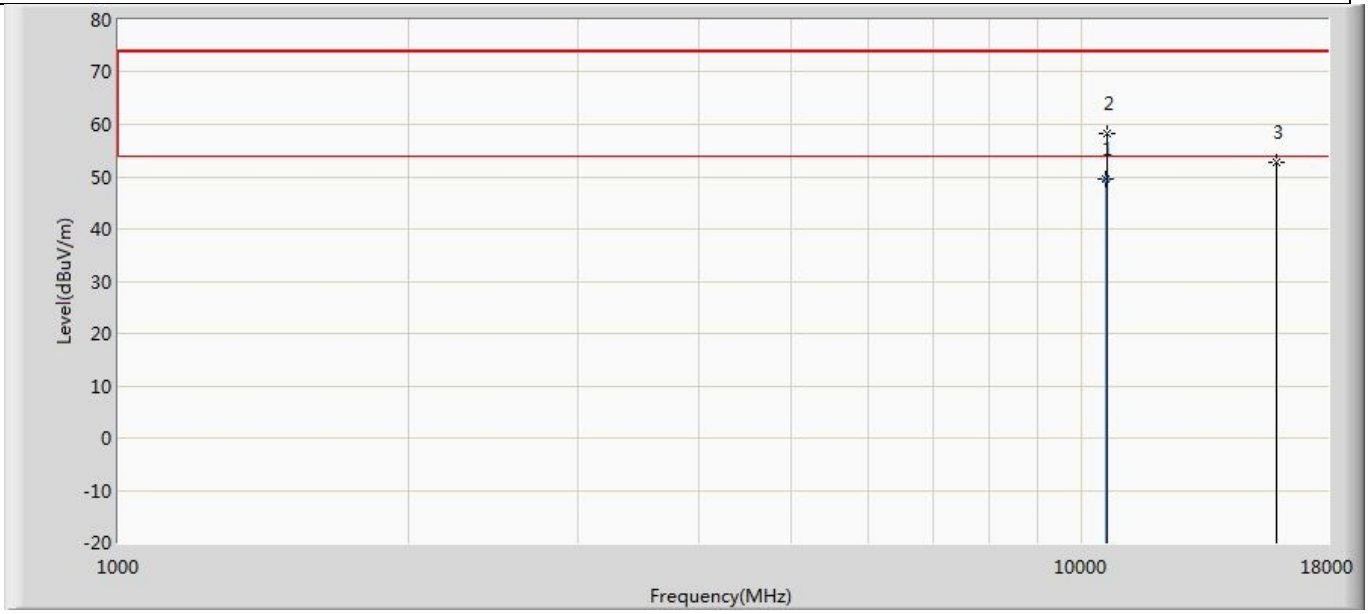
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	58.746	61.985	-15.254	74.000	-3.239	PK
2	*	10520.000	49.440	52.679	-4.560	54.000	-3.239	AV
3		15780.000	51.869	50.611	-22.131	74.000	1.257	PK

Profile: 23A0637R	Page No.: 175
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5300MHz by 802.11a with Ant2	



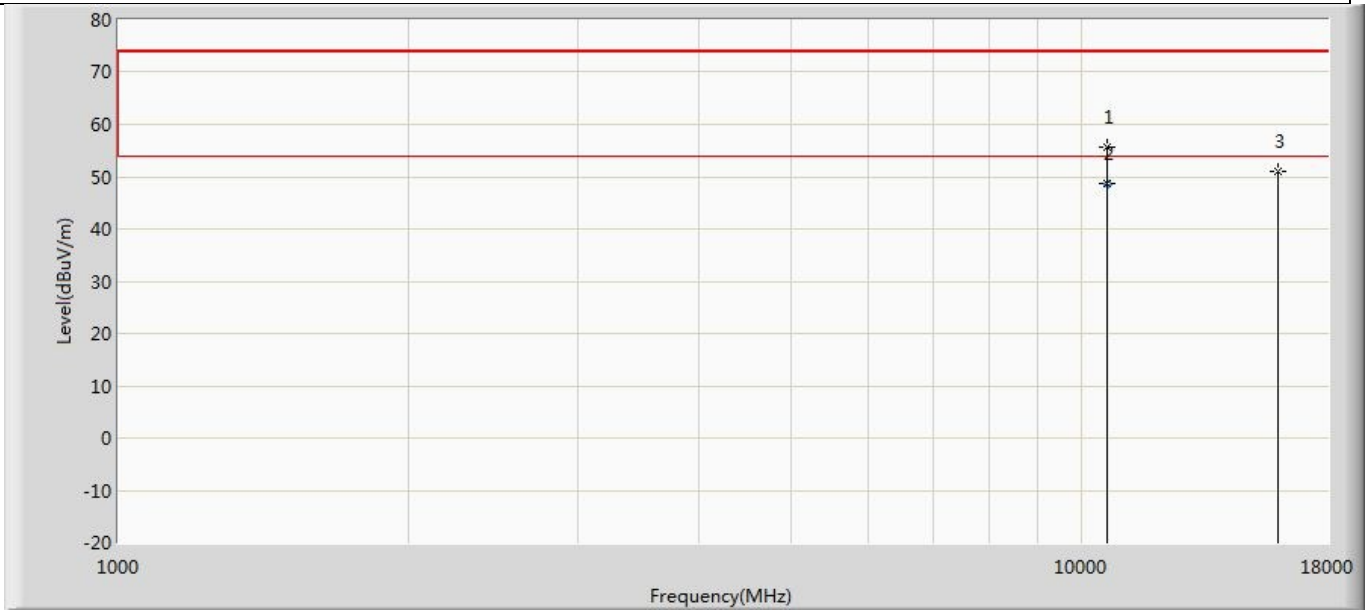
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	49.487	52.189	-4.513	54.000	-2.702	AV
2		10605.000	56.876	59.434	-17.124	74.000	-2.558	PK
3		15900.000	51.970	49.903	-22.030	74.000	2.067	PK

Profile: 23A0637R	Page No.: 176
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5300MHz by 802.11a with Ant2	



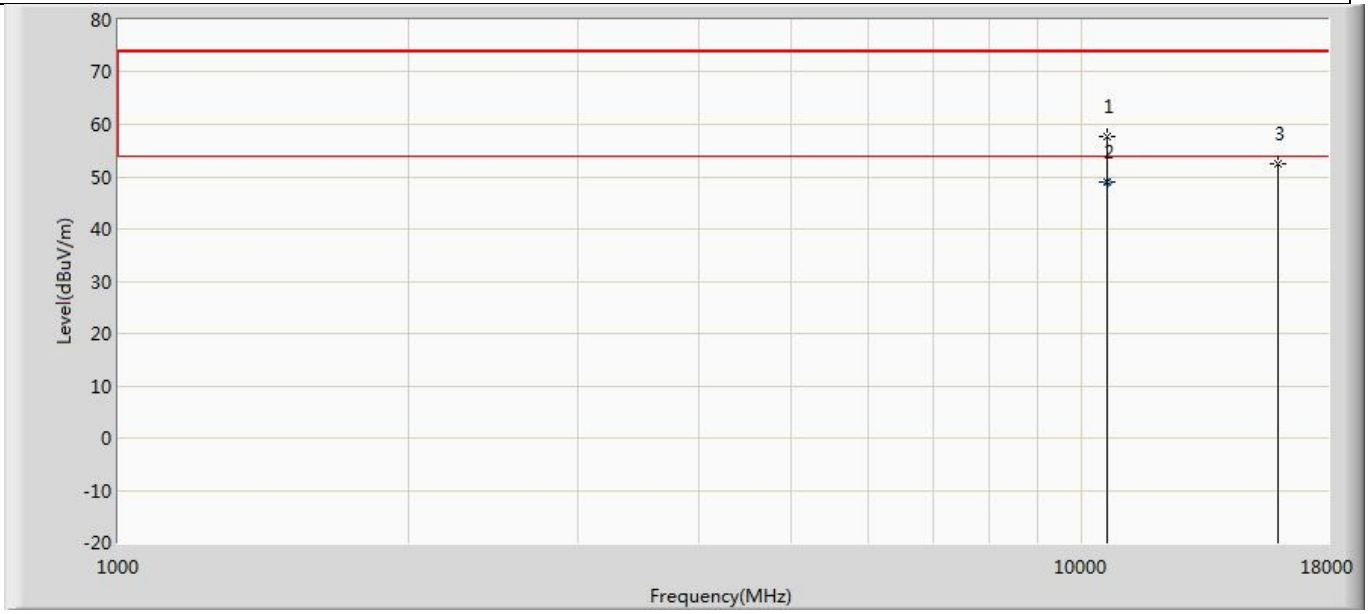
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	49.612	52.314	-4.388	54.000	-2.702	AV
2		10605.000	58.124	60.682	-15.876	74.000	-2.558	PK
3		15900.000	52.708	50.641	-21.292	74.000	2.067	PK

Profile: 23A0637R	Page No.: 177
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5320MHz by 802.11a with Ant2	



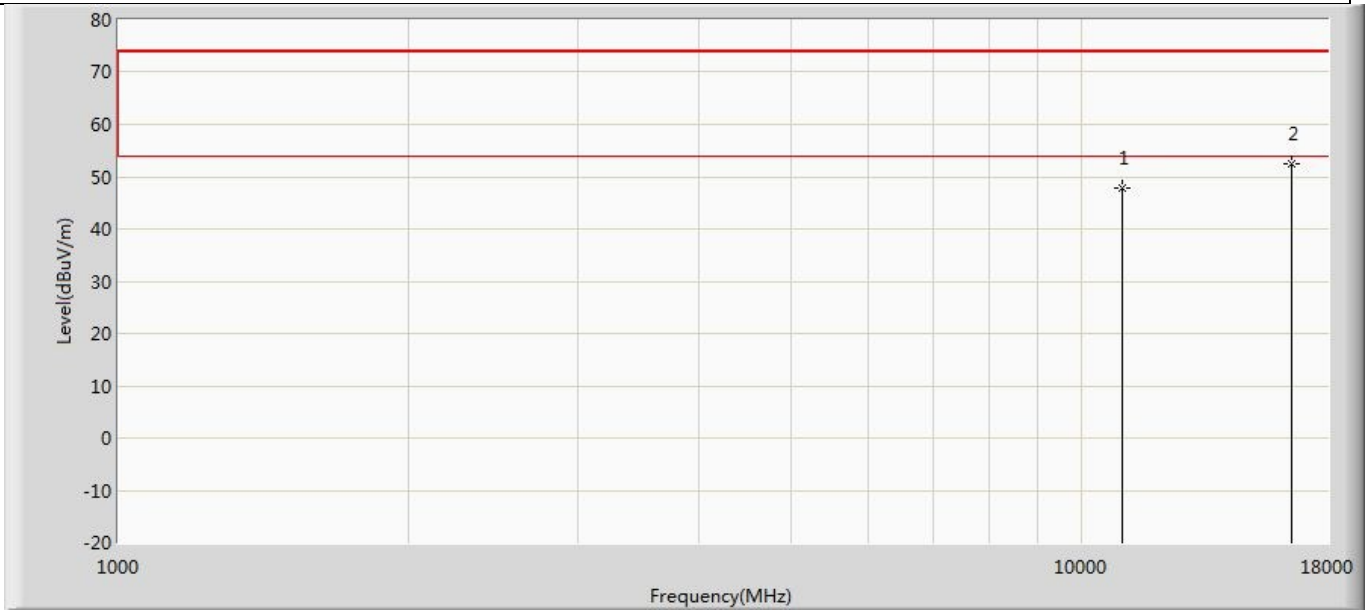
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	55.532	58.900	-18.468	74.000	-3.368	PK
2	*	10640.000	48.747	52.111	-5.253	54.000	-3.364	AV
3		15960.000	51.098	49.965	-22.902	74.000	1.133	PK

Profile: 23A0637R	Page No.: 178
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5320MHz by 802.11a with Ant2	



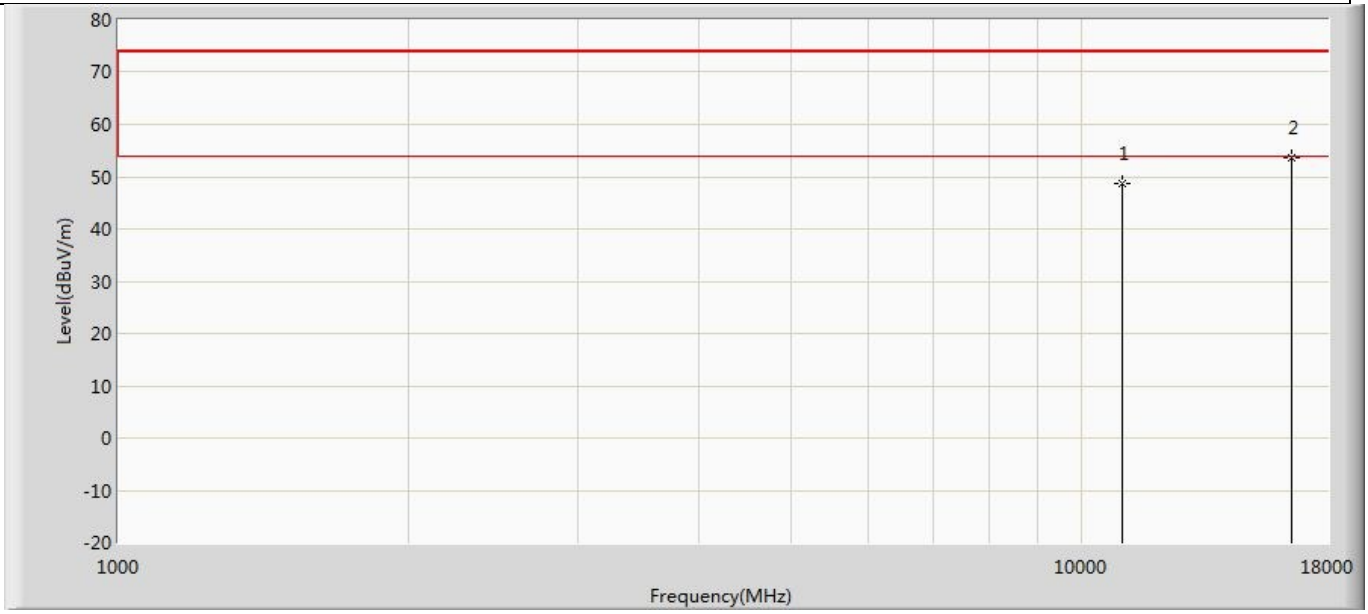
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	57.685	61.053	-16.315	74.000	-3.368	PK
2	*	10640.000	48.984	52.348	-5.016	54.000	-3.364	AV
3		15960.000	52.344	51.211	-21.656	74.000	1.133	PK

Profile: 23A0637R	Page No.: 179
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5500MHz by 802.11a with Ant2	



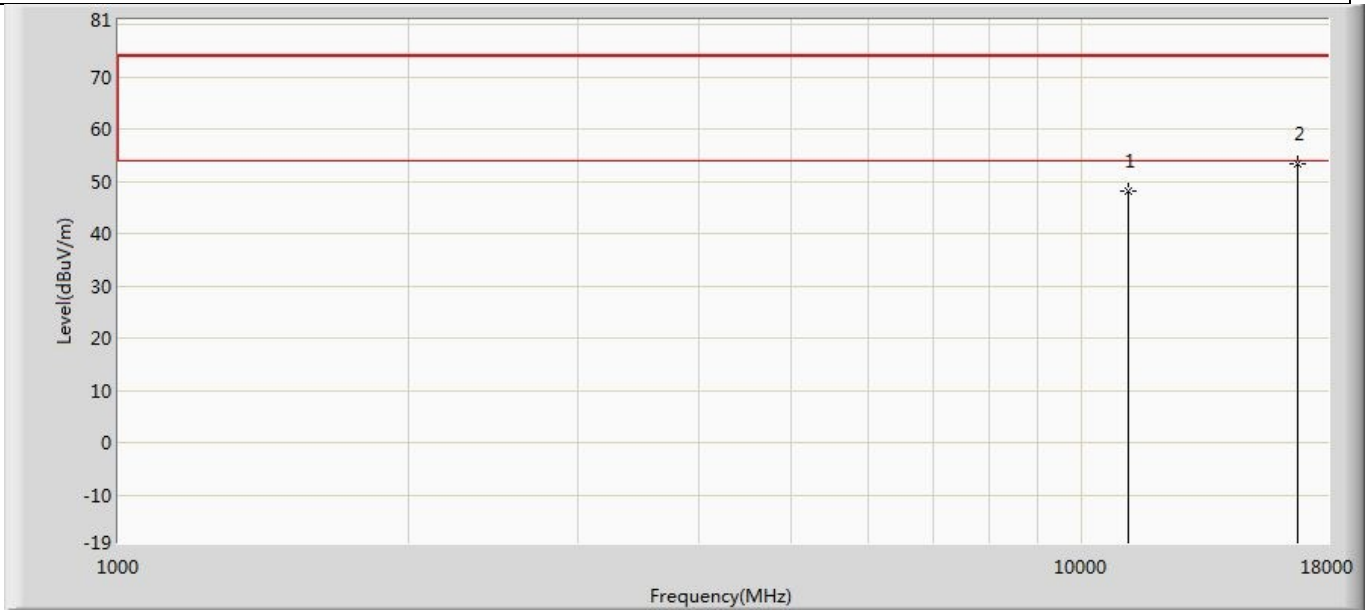
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.794	49.682	-26.206	74.000	-1.888	PK
2	*	16500.000	52.477	47.544	-21.523	74.000	4.933	PK

Profile: 23A0637R	Page No.: 180
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5500MHz by 802.11a with Ant2	



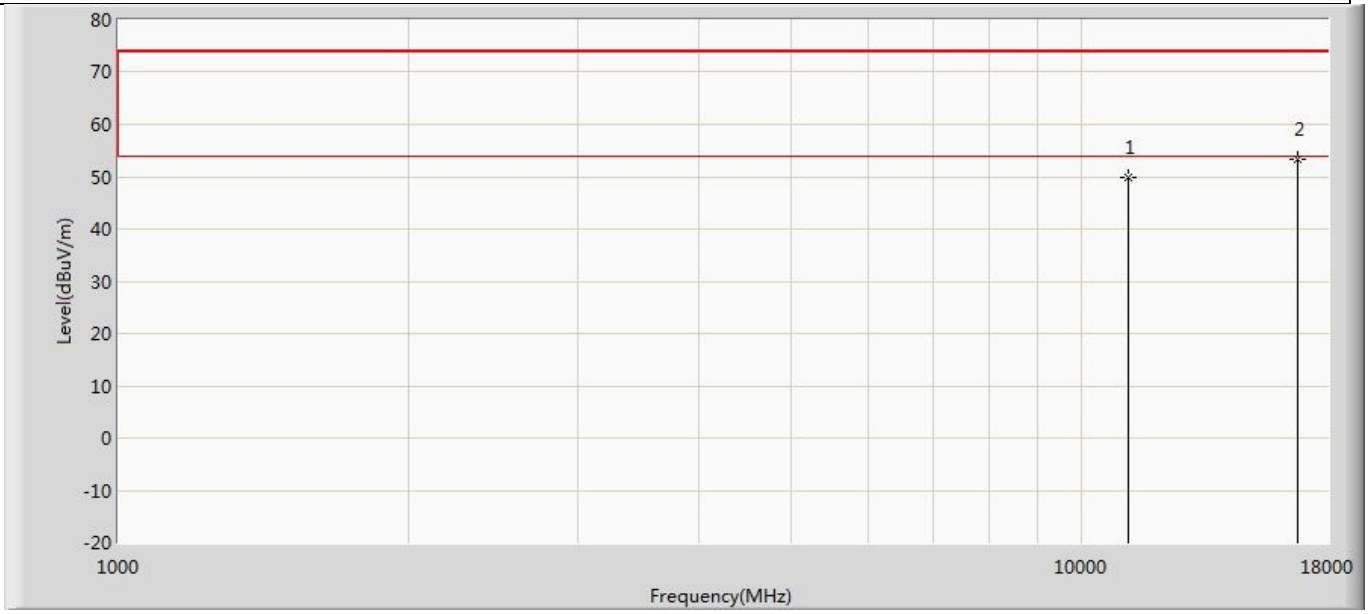
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	48.670	50.558	-25.330	74.000	-1.888	PK
2	*	16500.000	53.610	48.677	-20.390	74.000	4.933	PK

Profile: 23A0637R	Page No.: 181
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5580MHz by 802.11a with Ant2	



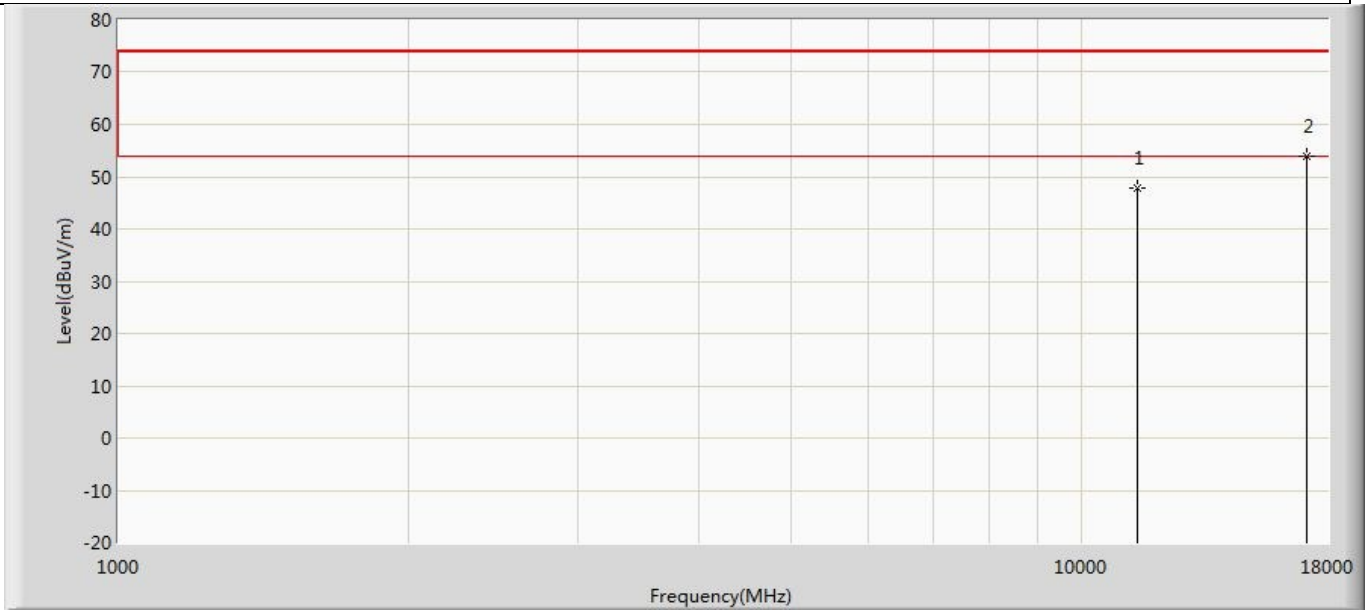
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	48.221	49.406	-25.779	74.000	-1.185	PK
2	*	16740.000	53.488	49.430	-20.512	74.000	4.058	PK

Profile: 23A0637R	Page No.: 182
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5580MHz by 802.11a with Ant2	



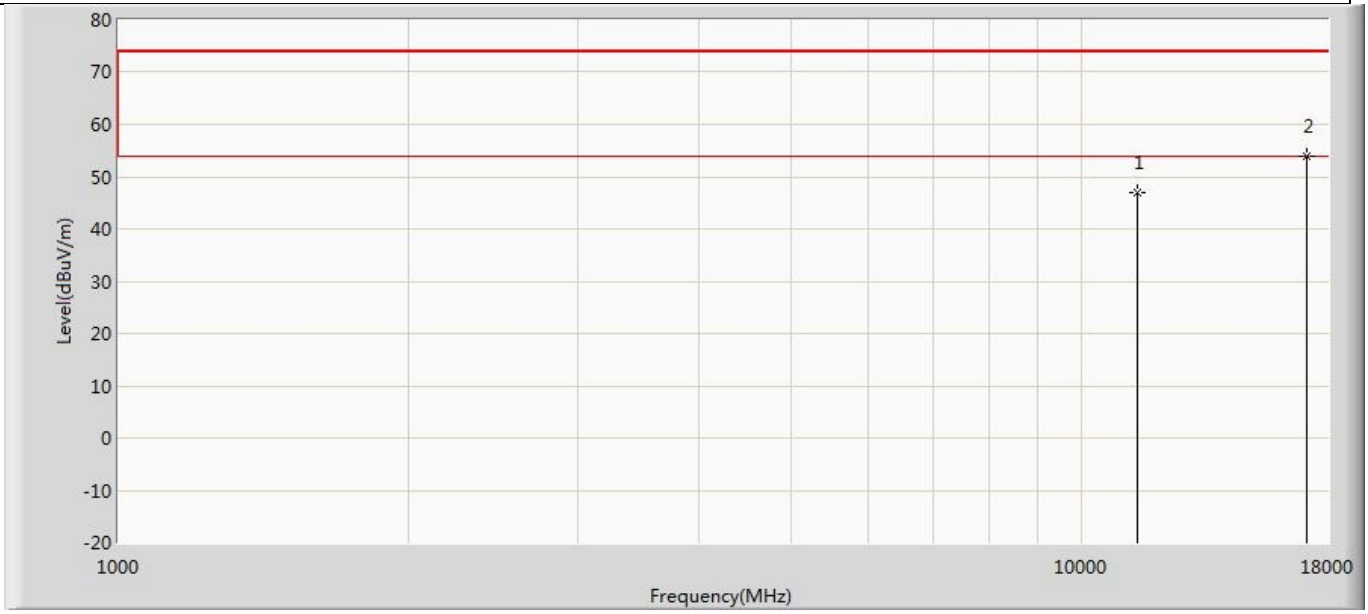
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	49.850	51.035	-24.150	74.000	-1.185	PK
2	*	16740.000	53.296	49.238	-20.704	74.000	4.058	PK

Profile: 23A0637R	Page No.: 183
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5700MHz by 802.11a with Ant2	



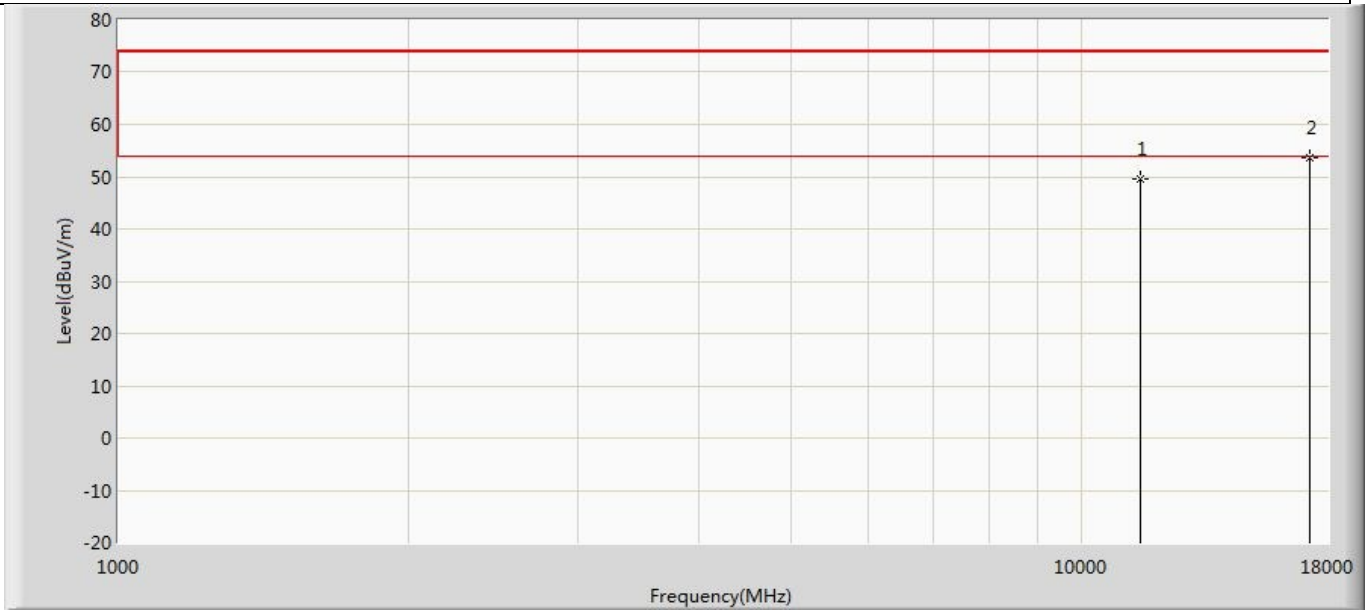
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	47.967	49.009	-26.033	74.000	-1.042	PK
2	*	17100.000	53.914	49.127	-20.086	74.000	4.787	PK

Profile: 23A0637R	Page No.: 184
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5700MHz by 802.11a with Ant2	



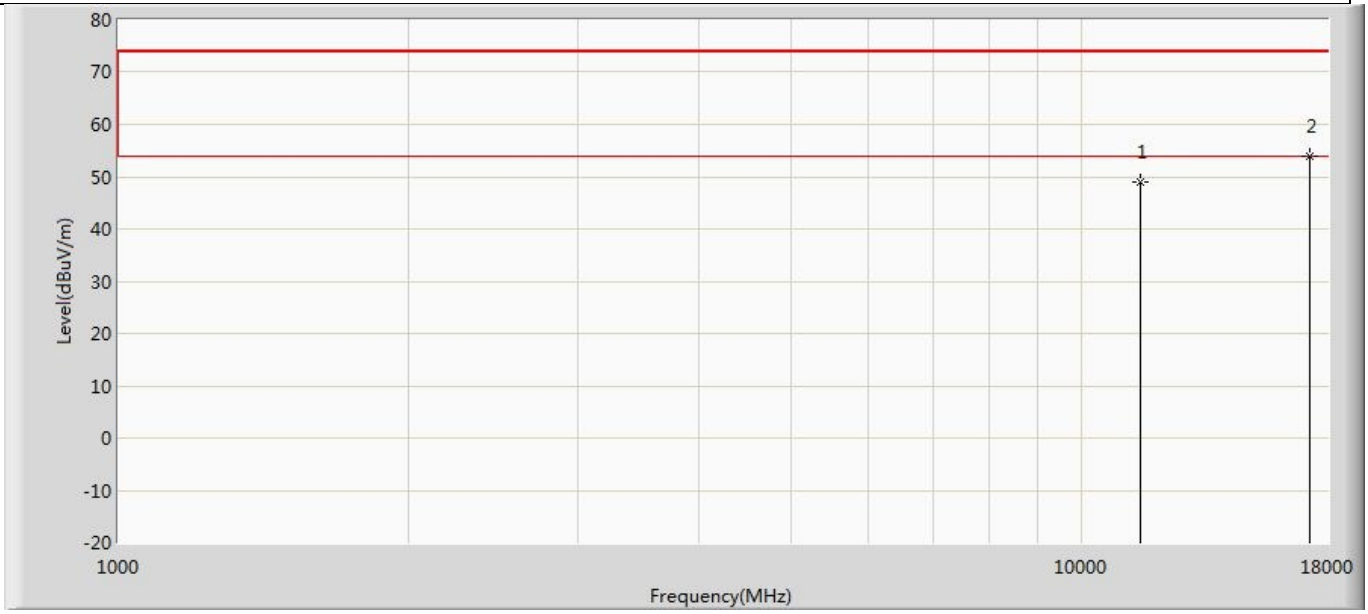
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	46.958	48.000	-27.042	74.000	-1.042	PK
2	*	17100.000	53.804	49.017	-20.196	74.000	4.787	PK

Profile: 23A0637R	Page No.: 185
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5745MHz by 802.11a with Ant2	



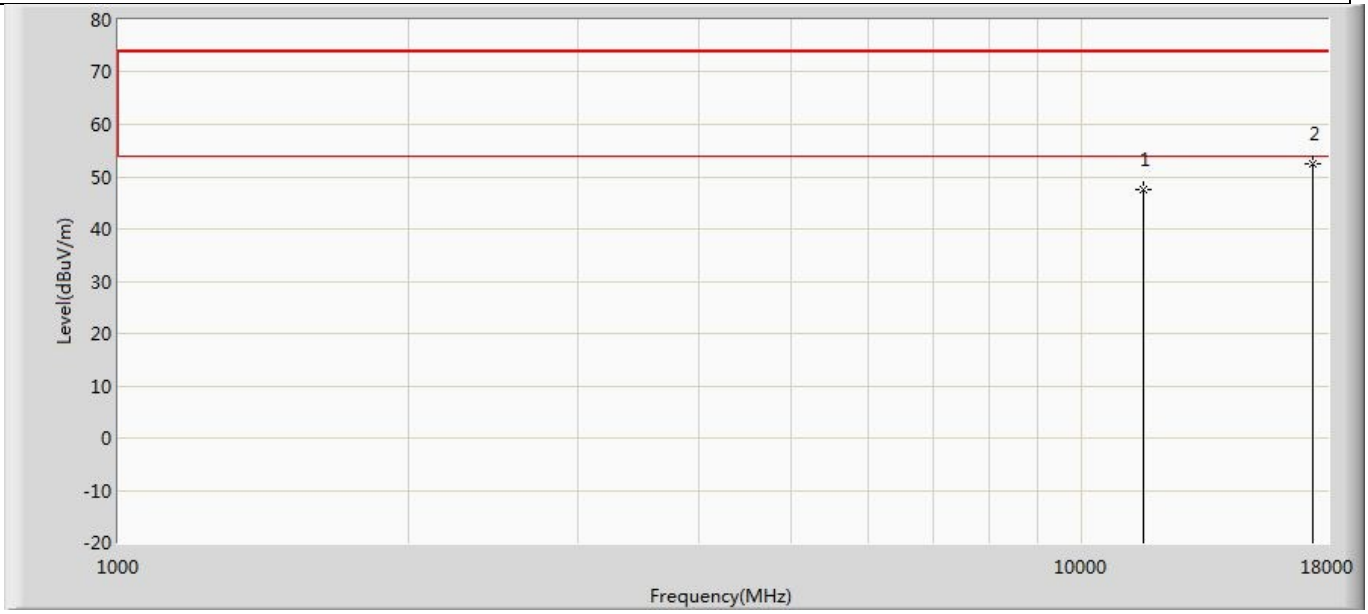
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	49.476	50.000	-24.524	74.000	-0.524	PK
2	*	17235.000	53.618	48.181	-20.382	74.000	5.437	PK

Profile: 23A0637R	Page No.: 186
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5745MHz by 802.11a with Ant2	



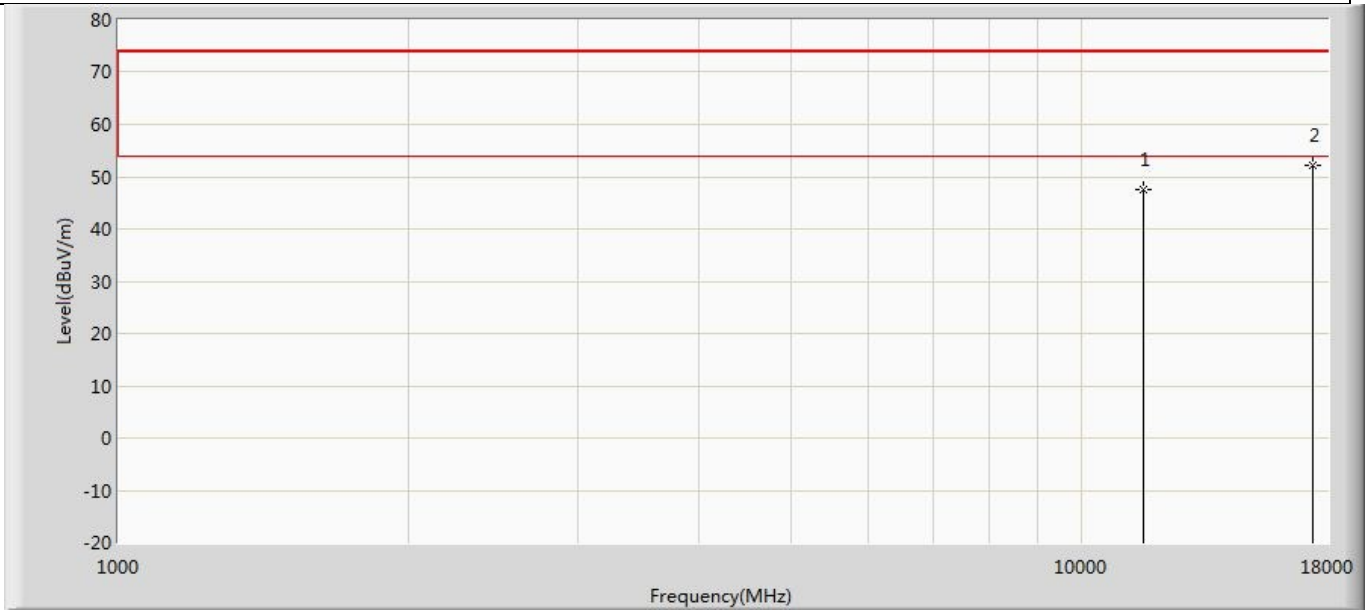
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	49.041	49.565	-24.959	74.000	-0.524	PK
2	*	17235.000	53.780	48.343	-20.220	74.000	5.437	PK

Profile: 23A0637R	Page No.: 187
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5785MHz by 802.11a with Ant2	



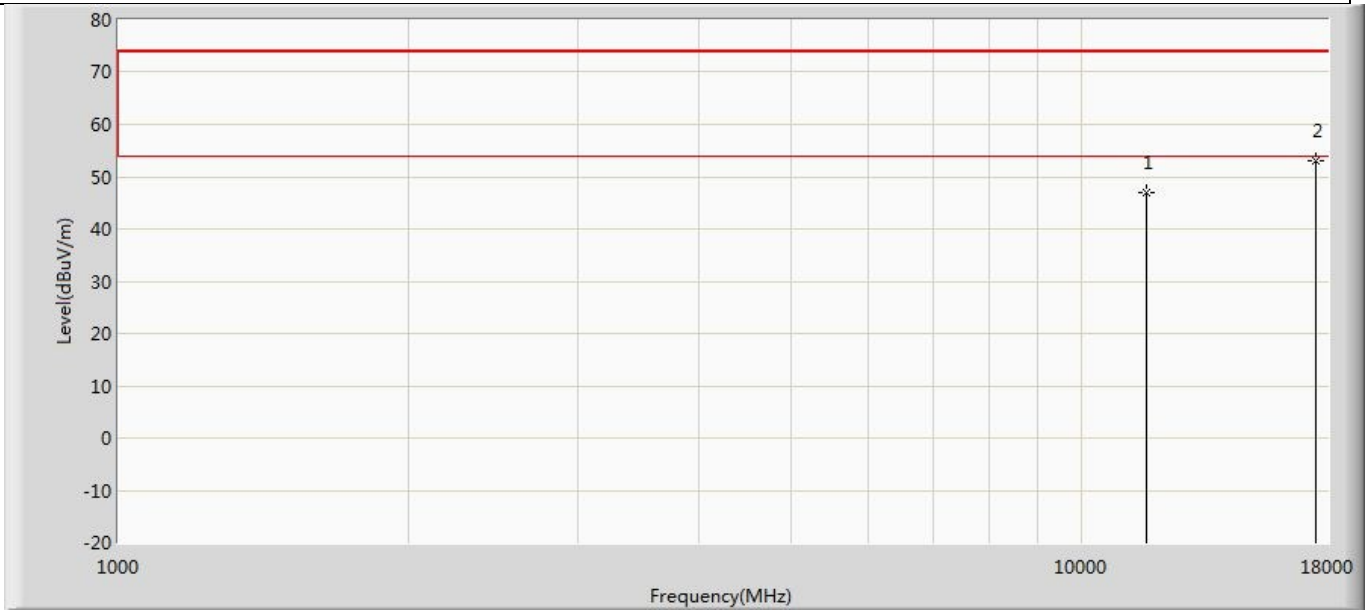
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.647	48.836	-26.353	74.000	-1.189	PK
2	*	17355.000	52.561	48.099	-21.439	74.000	4.461	PK

Profile: 23A0637R	Page No.: 188
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5785MHz by 802.11a with Ant2	



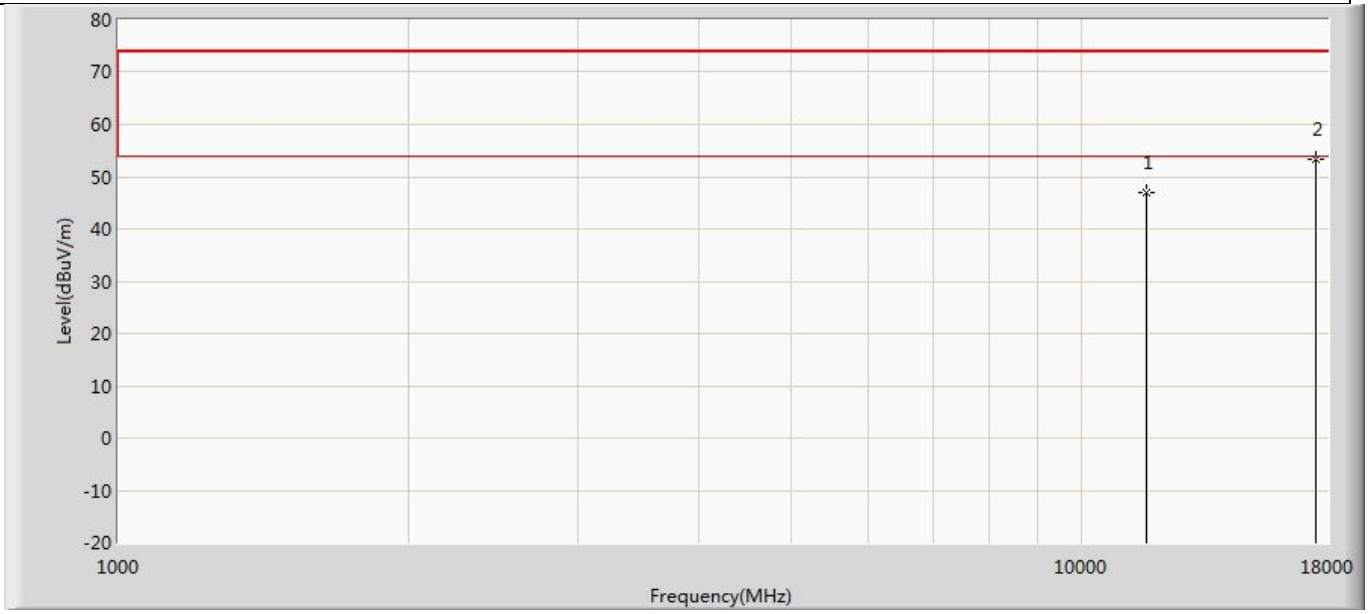
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.467	48.656	-26.533	74.000	-1.189	PK
2	*	17355.000	52.059	47.597	-21.941	74.000	4.461	PK

Profile: 23A0637R	Page No.: 189
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5825MHz by 802.11a with Ant2	



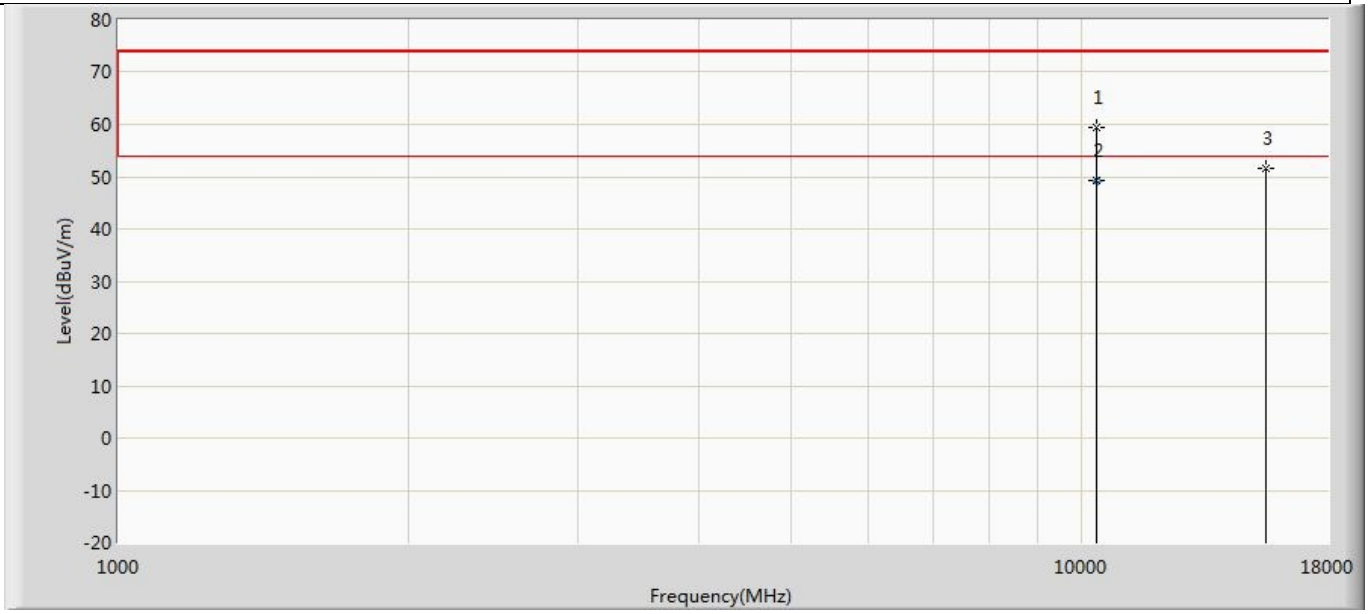
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.898	48.574	-27.102	74.000	-1.676	PK
2	*	17475.000	53.019	48.825	-20.981	74.000	4.195	PK

Profile: 23A0637R	Page No.: 190
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 1：Transmit at 5825MHz by 802.11a with Ant2	



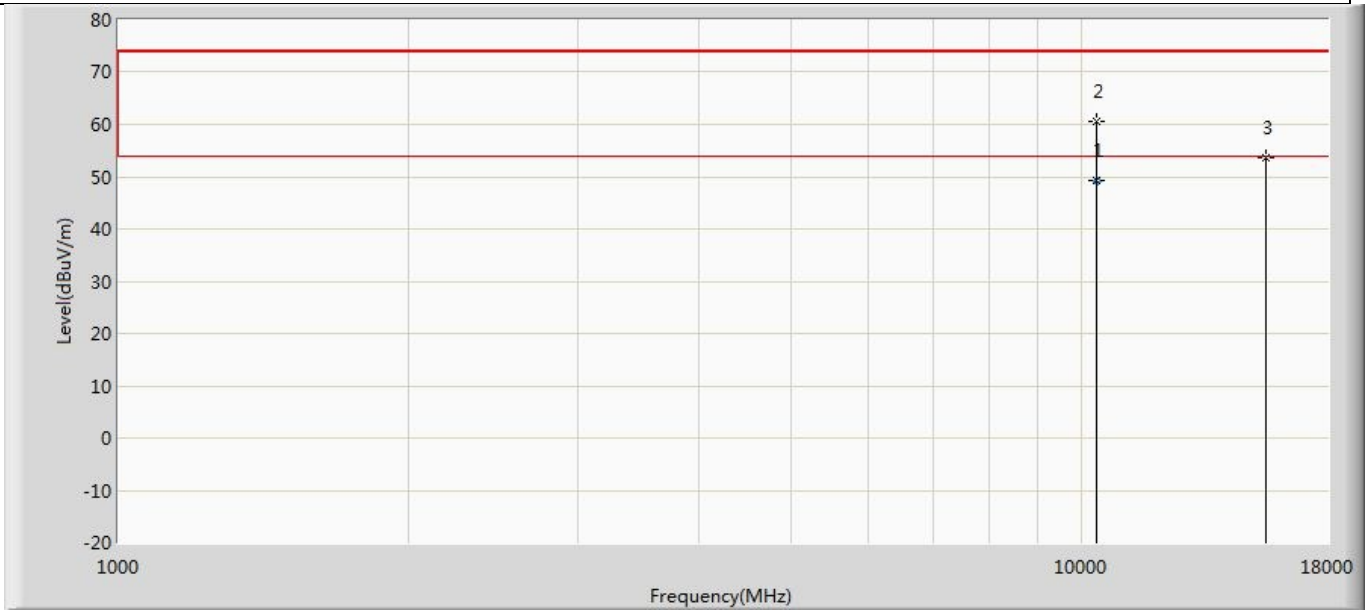
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	47.038	48.714	-26.962	74.000	-1.676	PK
2	*	17475.000	53.437	49.243	-20.563	74.000	4.195	PK

Profile: 23A0637R	Page No.: 191
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant2	



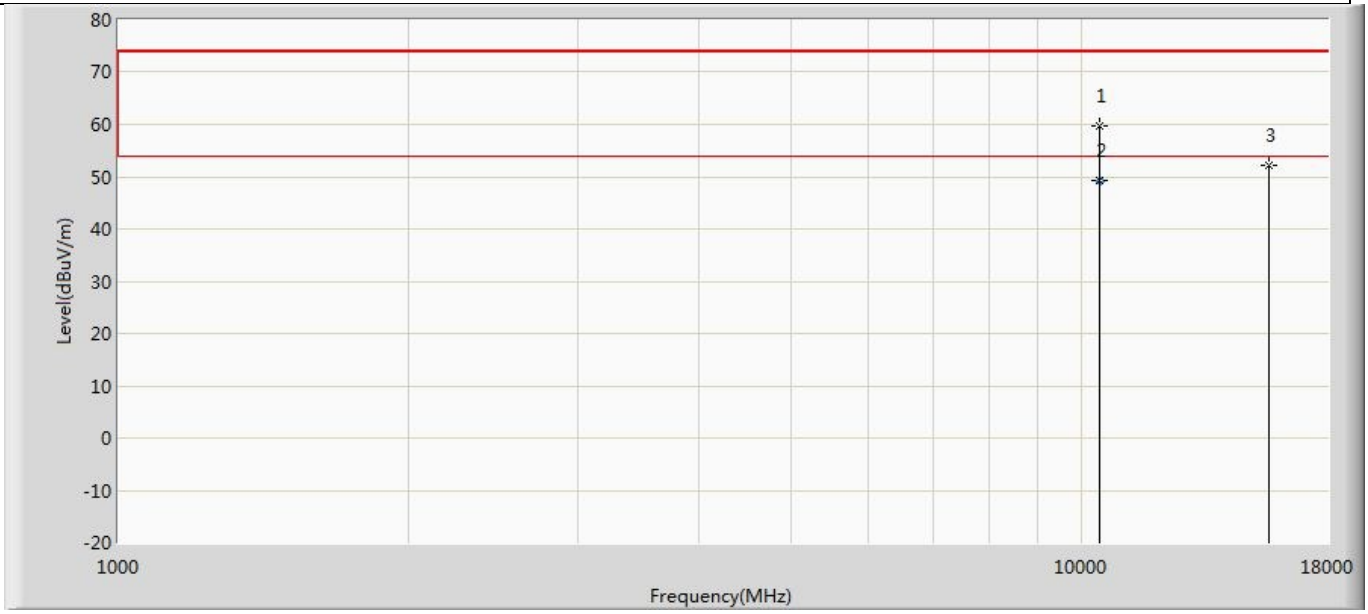
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10350.000	59.496	63.236	-14.504	74.000	-3.740	PK
2	*	10360.000	49.241	52.647	-4.759	54.000	-3.406	AV
3		15540.000	51.736	50.693	-22.264	74.000	1.043	PK

Profile: 23A0637R	Page No.: 192
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant2	



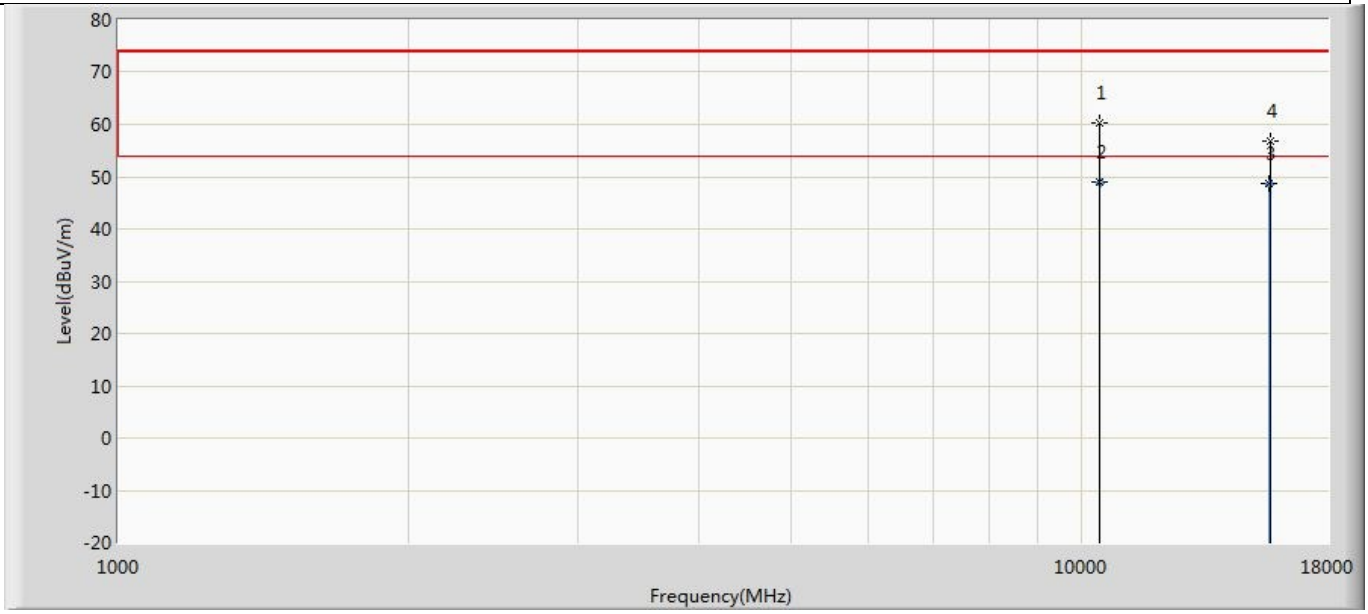
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10360.000	49.278	52.684	-4.722	54.000	-3.406	AV
2		10367.000	60.480	63.652	-13.520	74.000	-3.172	PK
3		15540.000	53.758	52.715	-20.242	74.000	1.043	PK

Profile: 23A0637R	Page No.: 193
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5220MHz by 802.11n(20MHz) with Ant2	



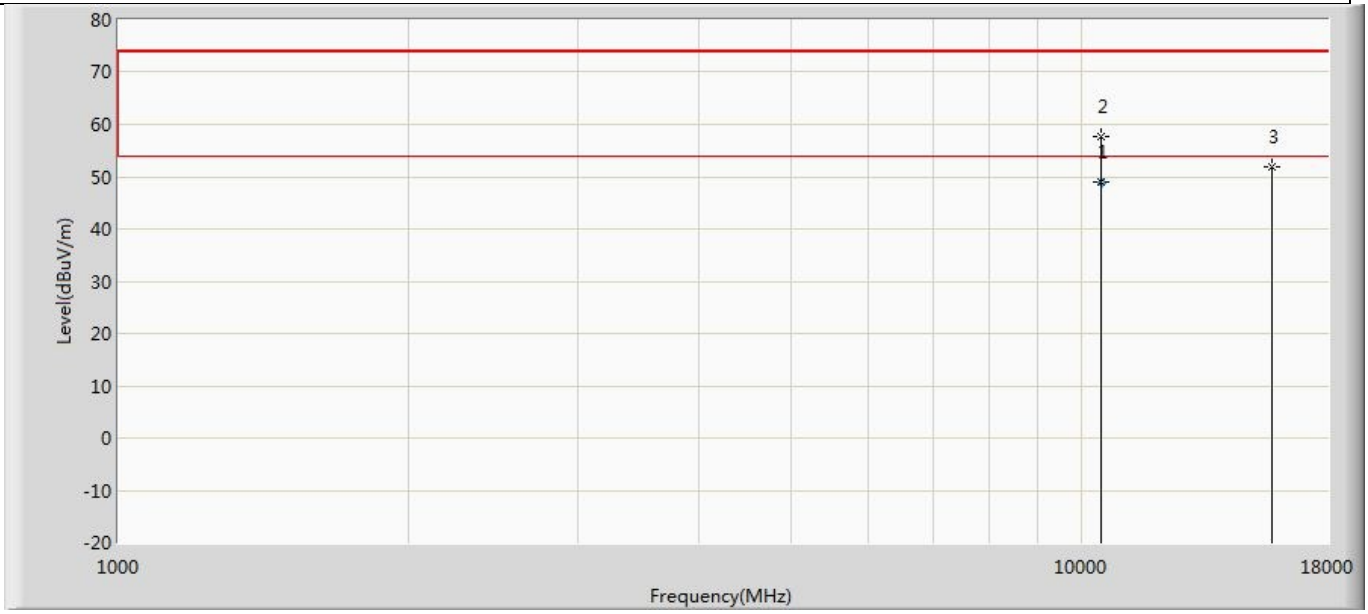
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	59.625	62.903	-14.375	74.000	-3.278	PK
2	*	10440.000	49.325	52.619	-4.675	54.000	-3.294	AV
3		15660.000	52.043	51.032	-21.957	74.000	1.011	PK

Profile: 23A0637R	Page No.: 194
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5220MHz by 802.11n(20MHz) with Ant2	



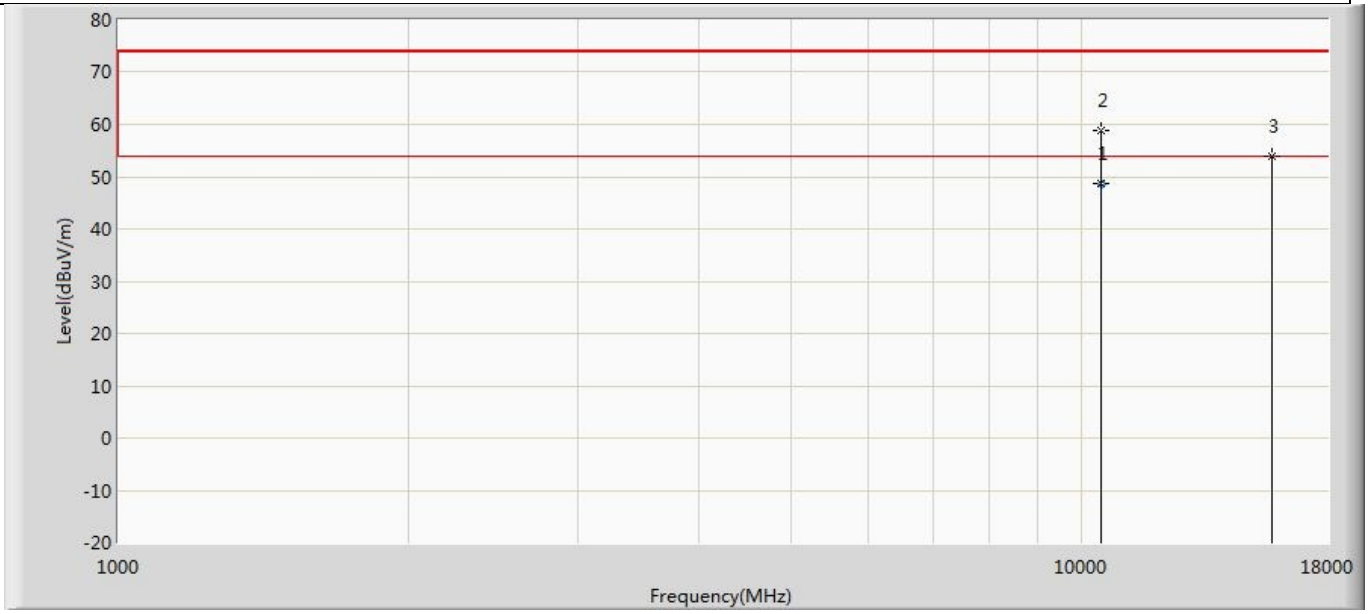
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	60.347	63.625	-13.653	74.000	-3.278	PK
2	*	10440.000	49.100	52.394	-4.900	54.000	-3.294	AV
3		15660.000	48.645	47.634	-5.355	54.000	1.011	AV
4		15671.000	56.667	55.805	-17.333	74.000	0.862	PK

Profile: 23A0637R	Page No.: 195
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5240MHz by 802.11n(20MHz) with Ant2	



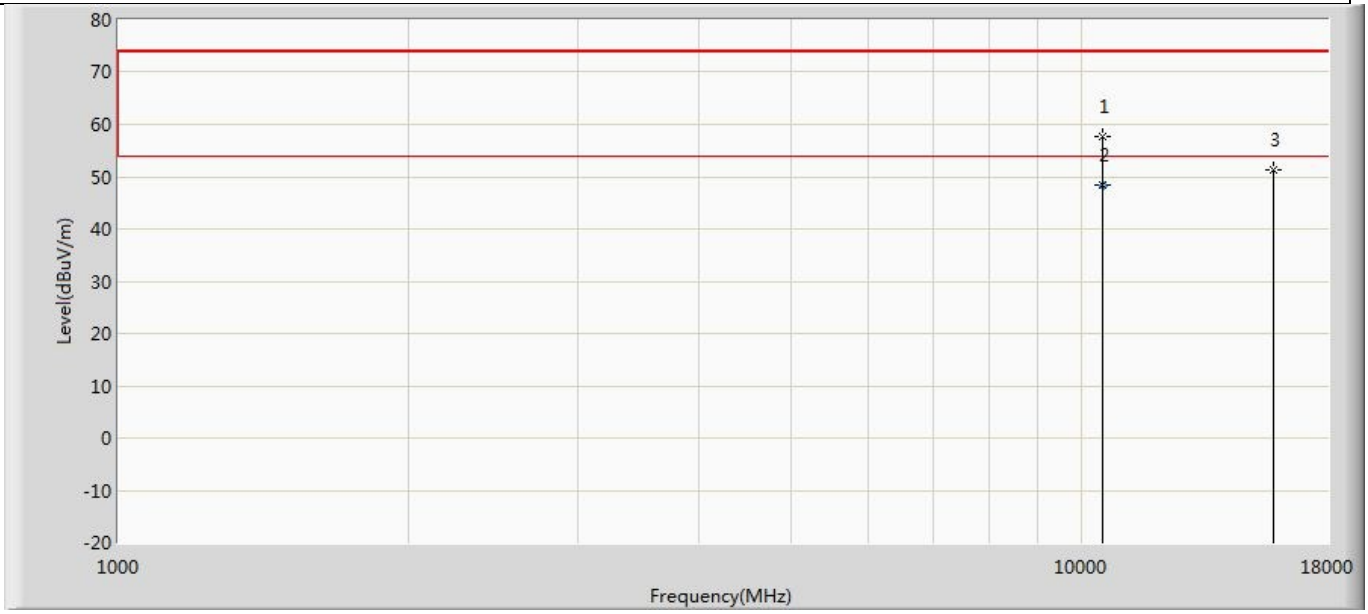
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10480.000	48.938	52.217	-5.062	54.000	-3.279	AV
2		10486.000	57.774	61.015	-16.226	74.000	-3.241	PK
3		15720.000	51.947	50.427	-22.053	74.000	1.520	PK

Profile: 23A0637R	Page No.: 196
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5240MHz by 802.11n(20MHz) with Ant2	



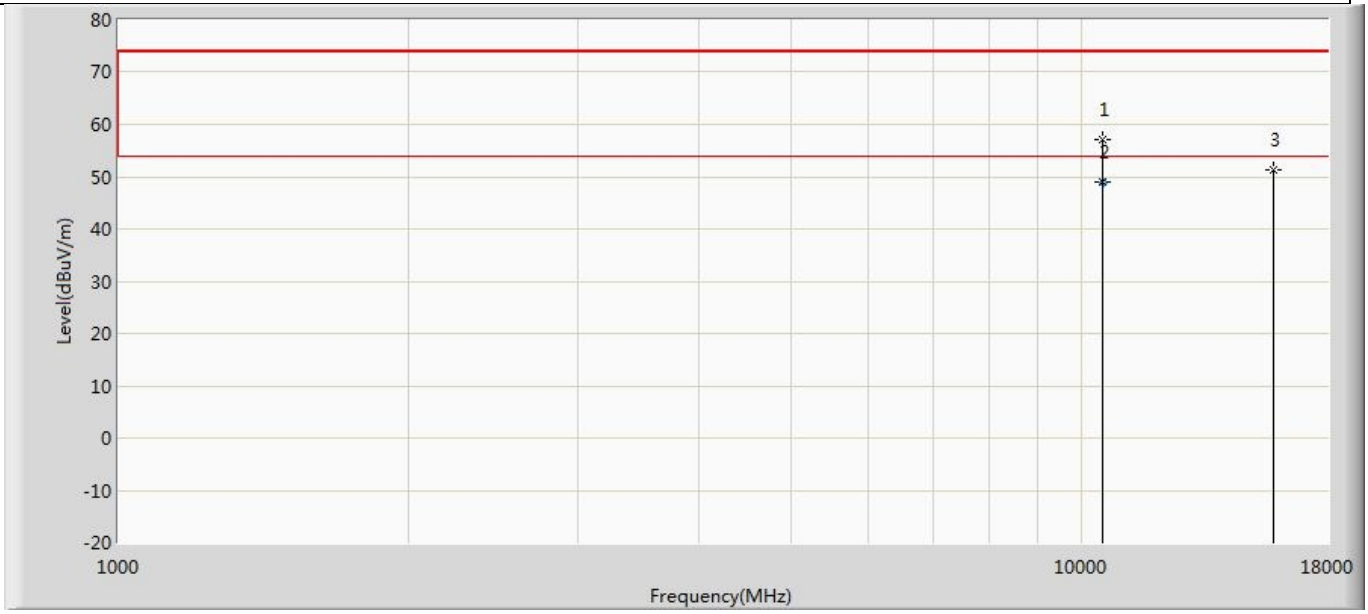
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10480.000	48.655	51.934	-5.345	54.000	-3.279	AV
2		10486.000	58.832	62.073	-15.168	74.000	-3.241	PK
3		15720.000	53.960	52.440	-20.040	74.000	1.520	PK

Profile: 23A0637R	Page No.: 197
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5260MHz by 802.11n(20MHz) with Ant2	



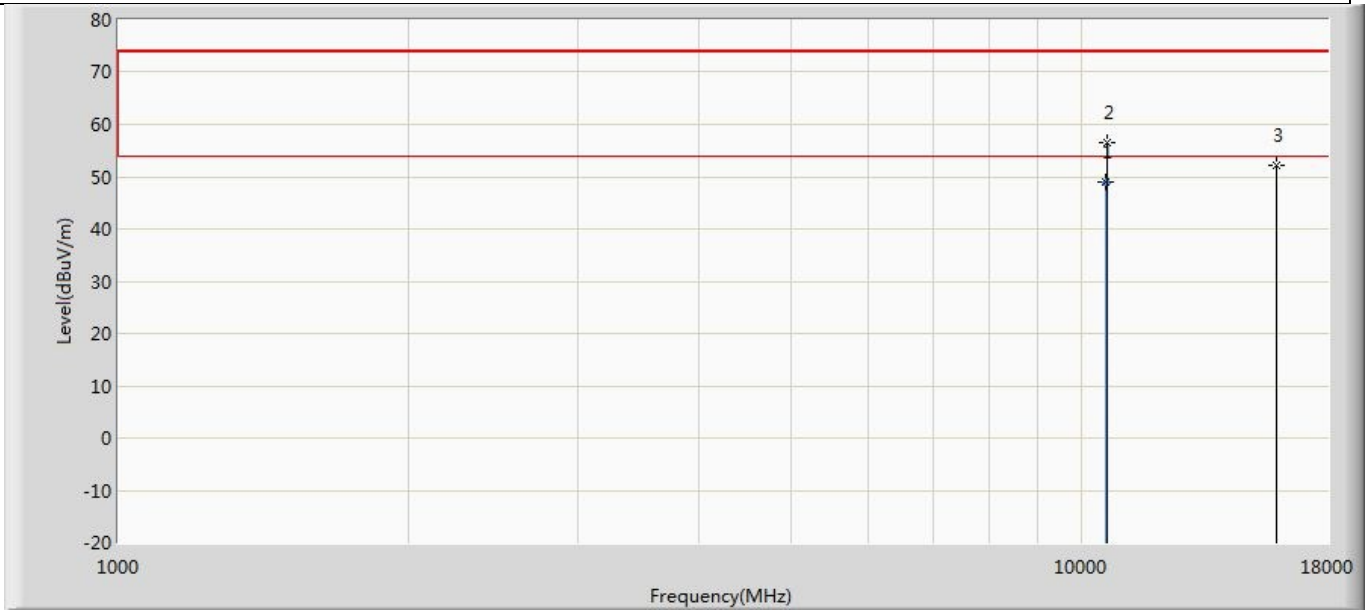
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	57.738	60.977	-16.262	74.000	-3.239	PK
2	*	10520.000	48.398	51.637	-5.602	54.000	-3.239	AV
3		15780.000	51.302	50.044	-22.698	74.000	1.257	PK

Profile: 23A0637R	Page No.: 198
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5260MHz by 802.11n(20MHz) with Ant2	



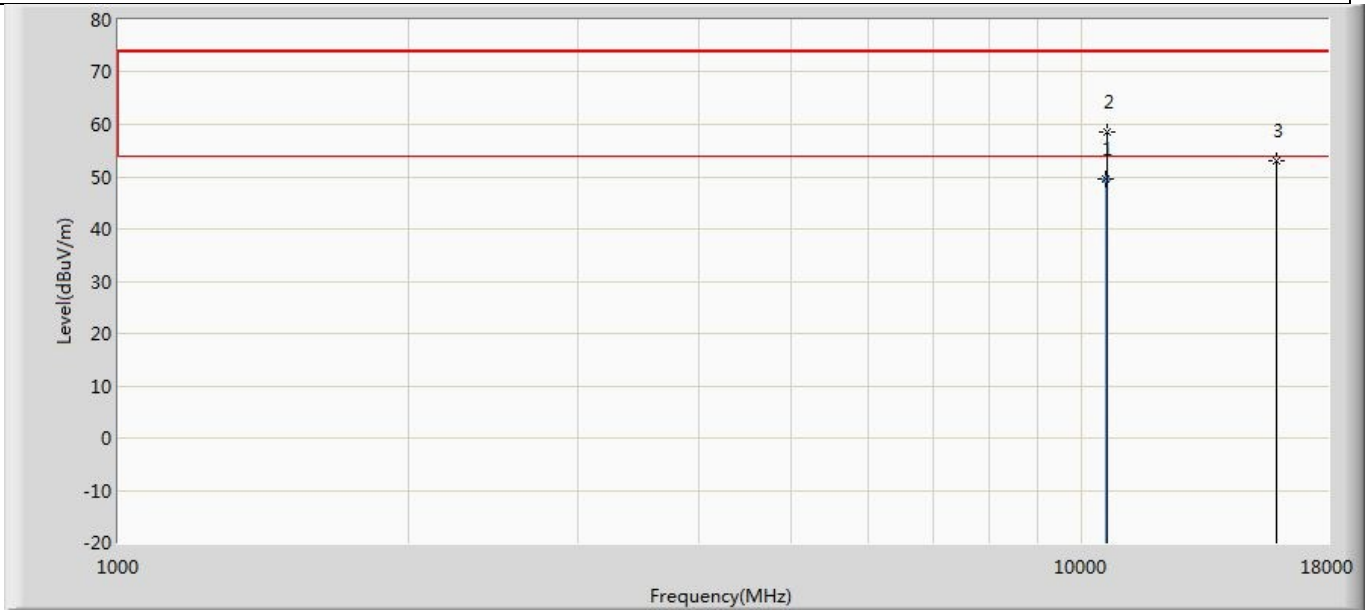
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	57.226	60.465	-16.774	74.000	-3.239	PK
2	*	10520.000	48.908	52.147	-5.092	54.000	-3.239	AV
3		15780.000	51.259	50.001	-22.741	74.000	1.257	PK

Profile: 23A0637R	Page No.: 199
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5300MHz by 802.11n(20MHz) with Ant2	



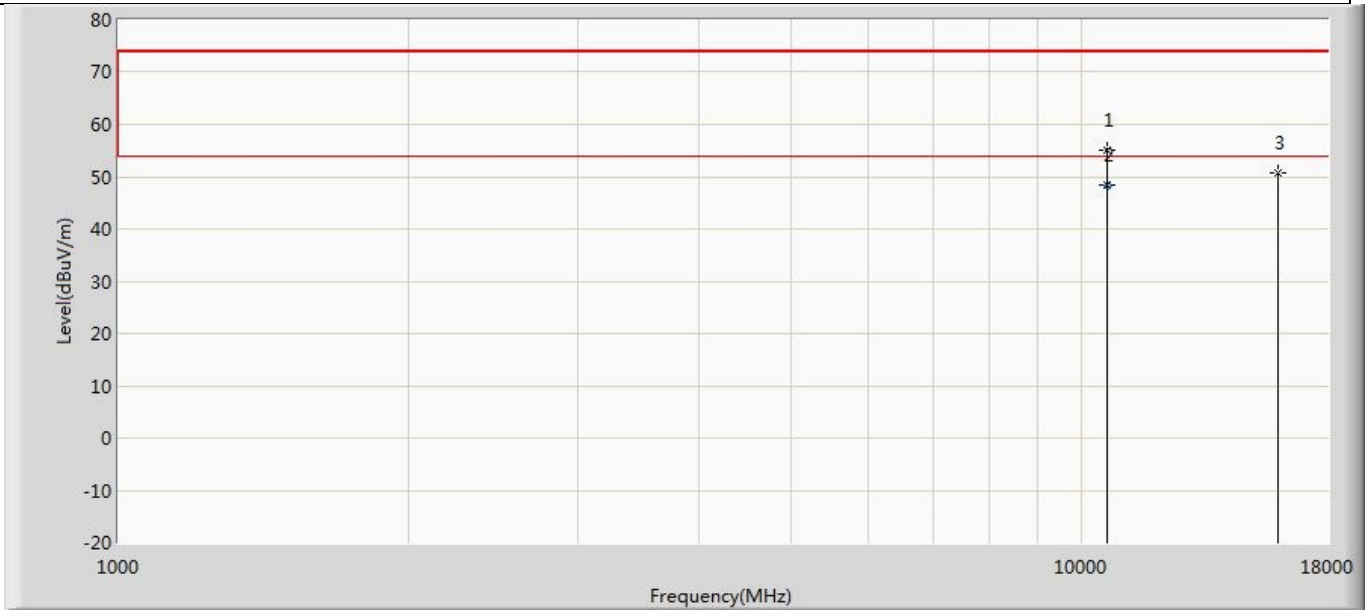
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	48.989	51.691	-5.011	54.000	-2.702	AV
2		10605.000	56.475	59.033	-17.525	74.000	-2.558	PK
3		15900.000	52.228	50.161	-21.772	74.000	2.067	PK

Profile: 23A0637R	Page No.: 200
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5300MHz by 802.11n(20MHz) with Ant2	



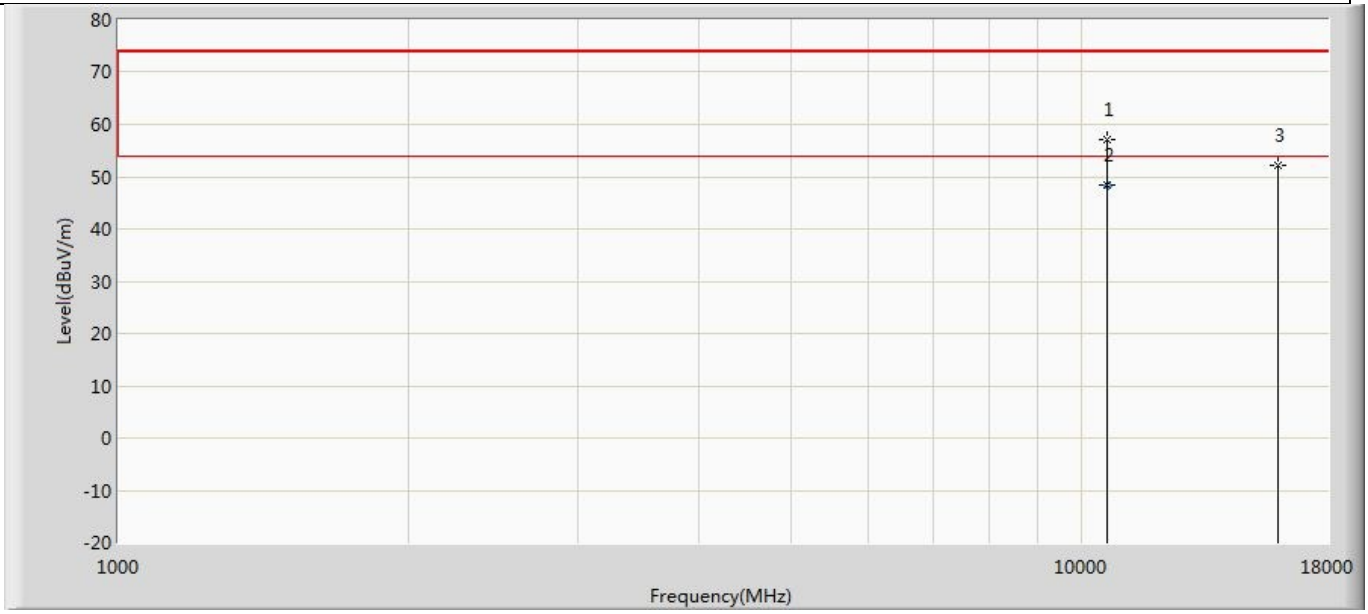
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	49.492	52.194	-4.508	54.000	-2.702	AV
2		10605.000	58.638	61.196	-15.362	74.000	-2.558	PK
3		15900.000	53.093	51.026	-20.907	74.000	2.067	PK

Profile: 23A0637R	Page No.: 201
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5320MHz by 802.11n(20MHz) with Ant2	



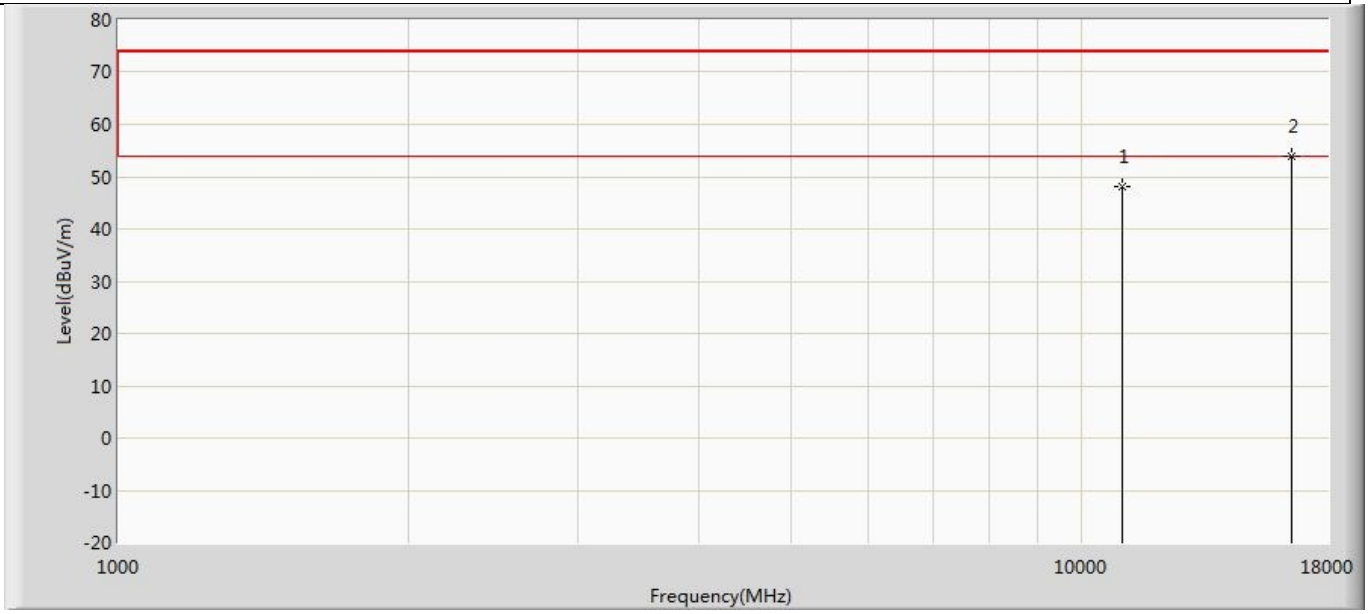
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	55.107	58.475	-18.893	74.000	-3.368	PK
2	*	10640.000	48.267	51.631	-5.733	54.000	-3.364	AV
3		15960.000	50.633	49.500	-23.367	74.000	1.133	PK

Profile: 23A0637R	Page No.: 202
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5320MHz by 802.11n(20MHz) with Ant2	



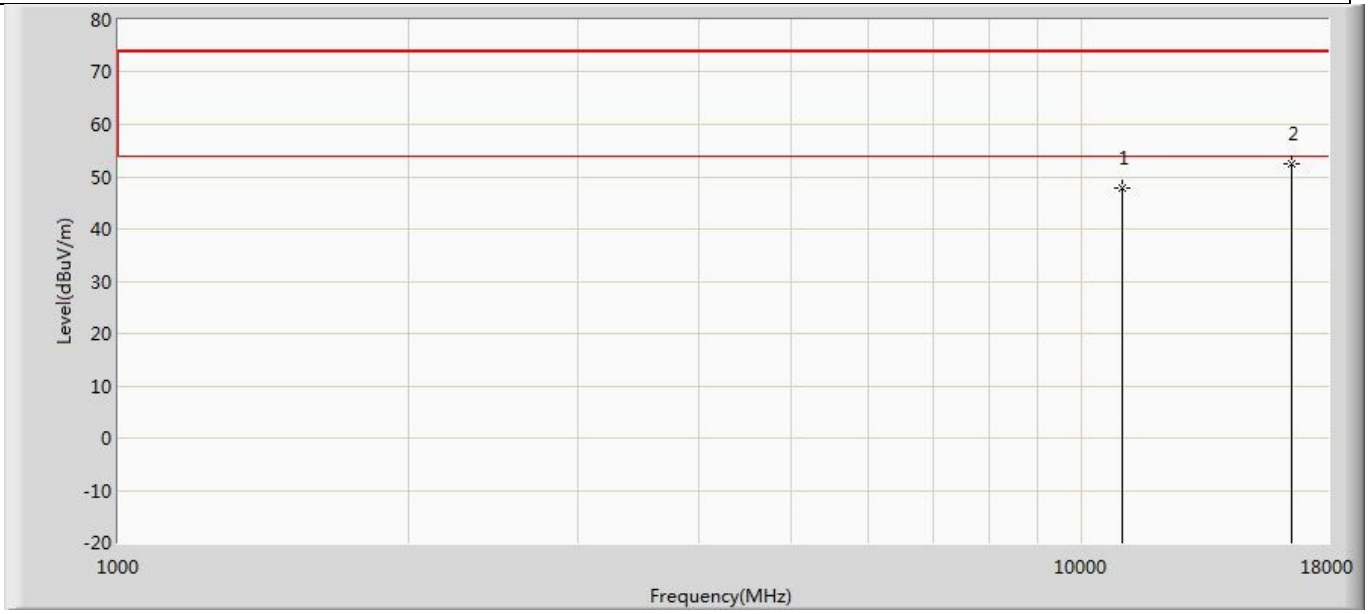
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	56.963	60.331	-17.037	74.000	-3.368	PK
2	*	10640.000	48.330	51.694	-5.670	54.000	-3.364	AV
3		15960.000	52.150	51.017	-21.850	74.000	1.133	PK

Profile: 23A0637R	Page No.: 203
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5500MHz by 802.11n(20MHz) with Ant2	



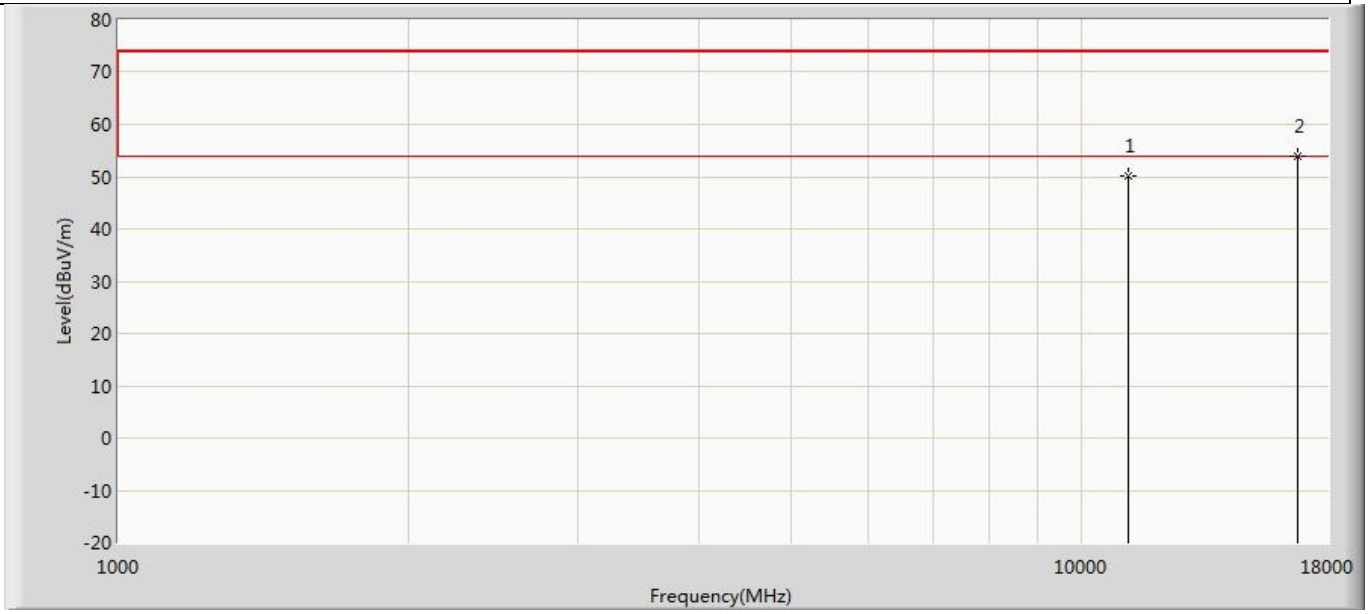
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	48.155	50.043	-25.845	74.000	-1.888	PK
2	*	16500.000	53.815	48.882	-20.185	74.000	4.933	PK

Profile: 23A0637R	Page No.: 204
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5500MHz by 802.11n(20MHz) with Ant2	



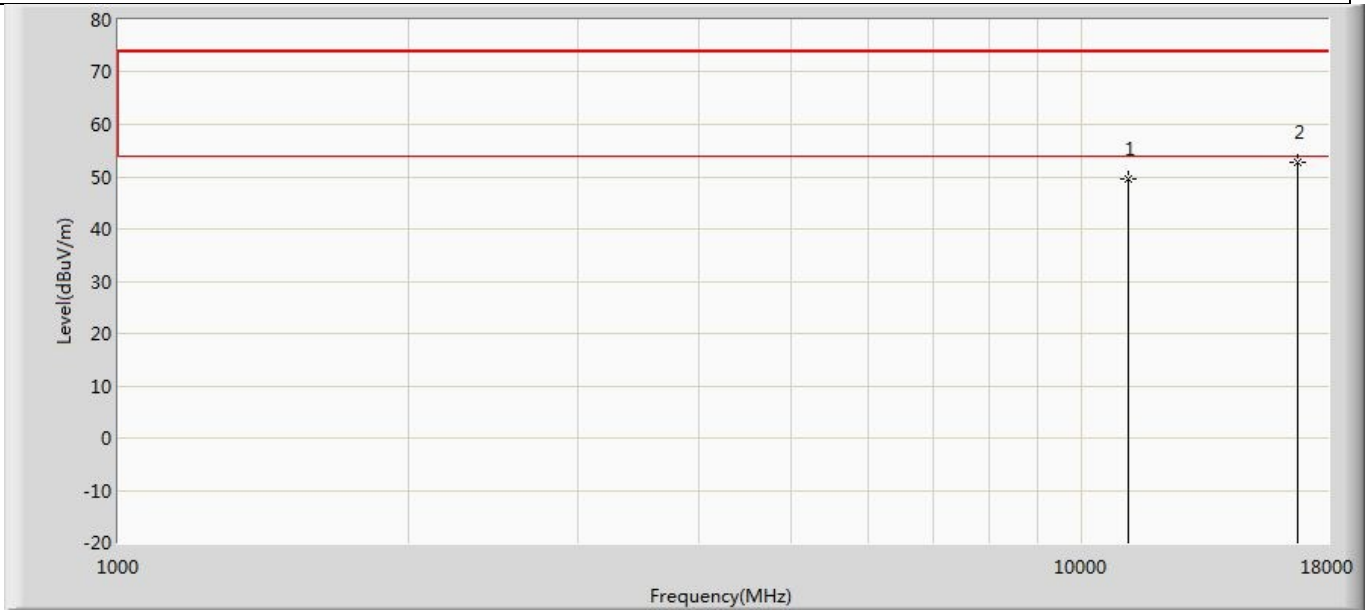
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.891	49.779	-26.109	74.000	-1.888	PK
2	*	16500.000	52.377	47.444	-21.623	74.000	4.933	PK

Profile: 23A0637R	Page No.: 205
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5580MHz by 802.11n(20MHz) with Ant2	



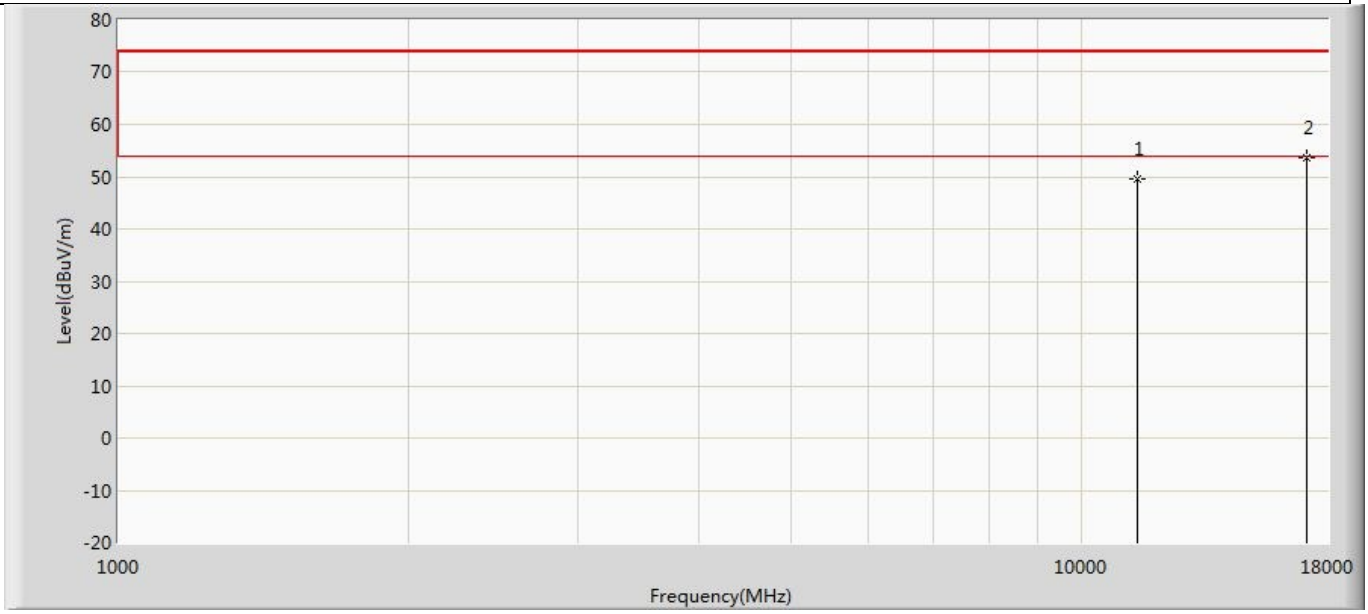
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	50.001	51.186	-23.999	74.000	-1.185	PK
2	*	16740.000	53.854	49.796	-20.146	74.000	4.058	PK

Profile: 23A0637R	Page No.: 206
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5580MHz by 802.11n(20MHz) with Ant2	



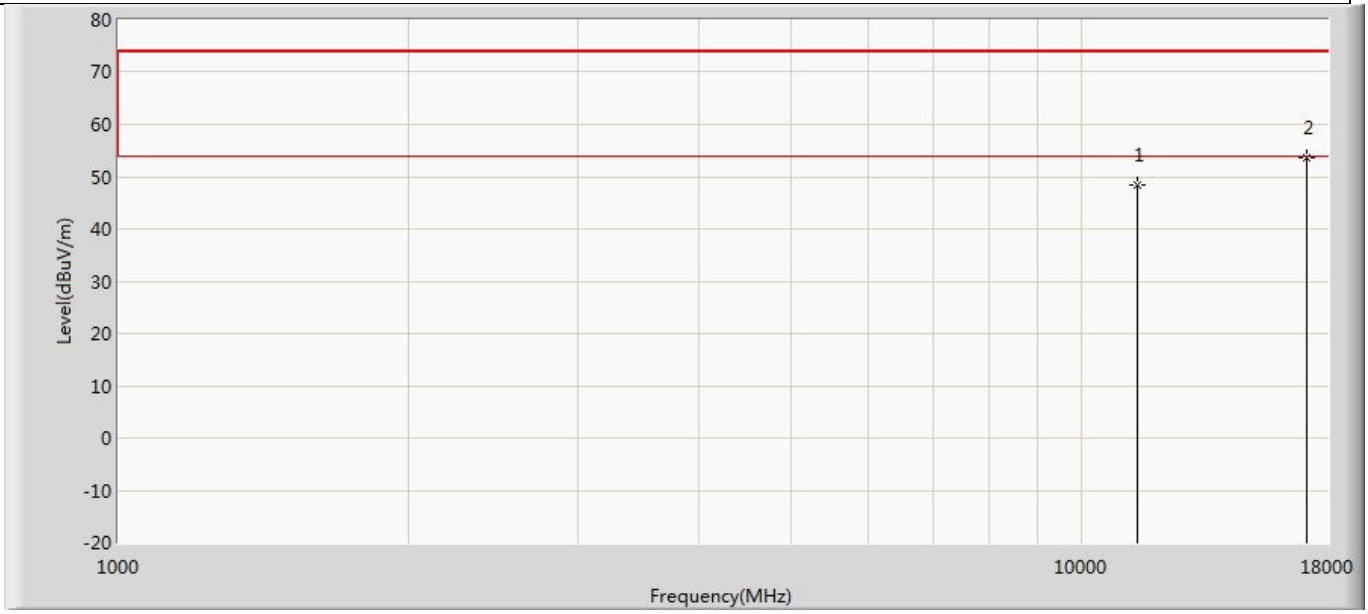
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	49.661	50.846	-24.339	74.000	-1.185	PK
2	*	16740.000	52.622	48.564	-21.378	74.000	4.058	PK

Profile: 23A0637R	Page No.: 207
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5700MHz by 802.11n(20MHz) with Ant2	



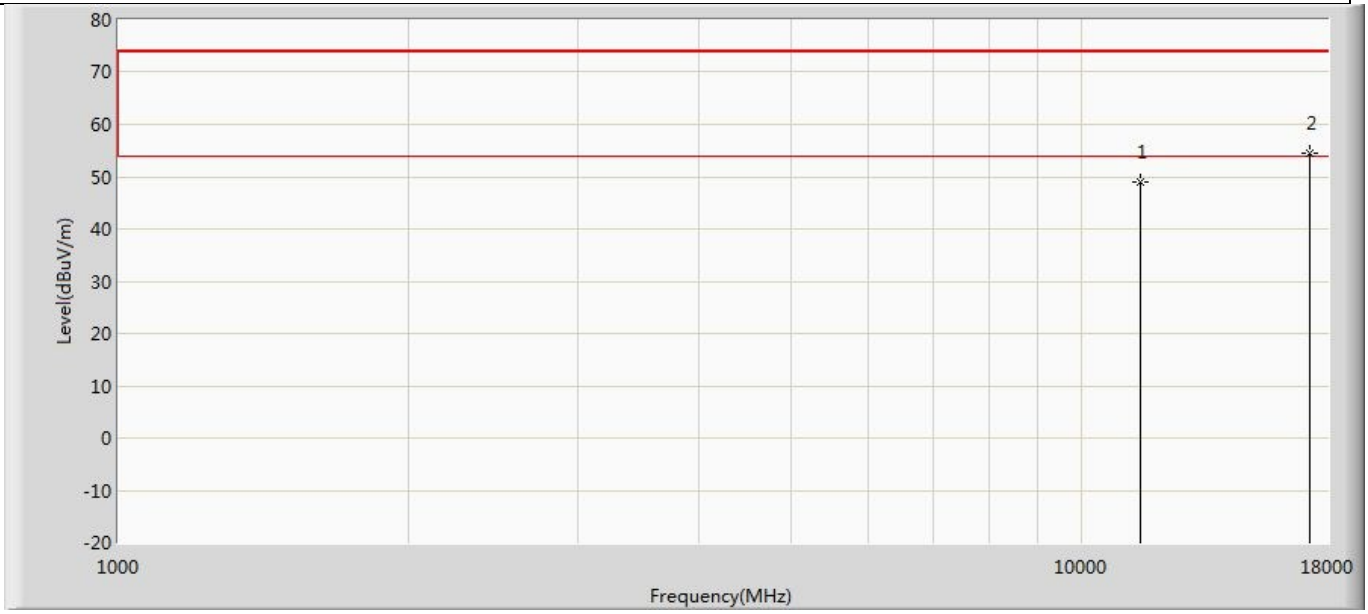
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	49.654	50.696	-24.346	74.000	-1.042	PK
2	*	17100.000	53.735	48.948	-20.265	74.000	4.787	PK

Profile: 23A0637R	Page No.: 208
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5700MHz by 802.11n(20MHz) with Ant2	



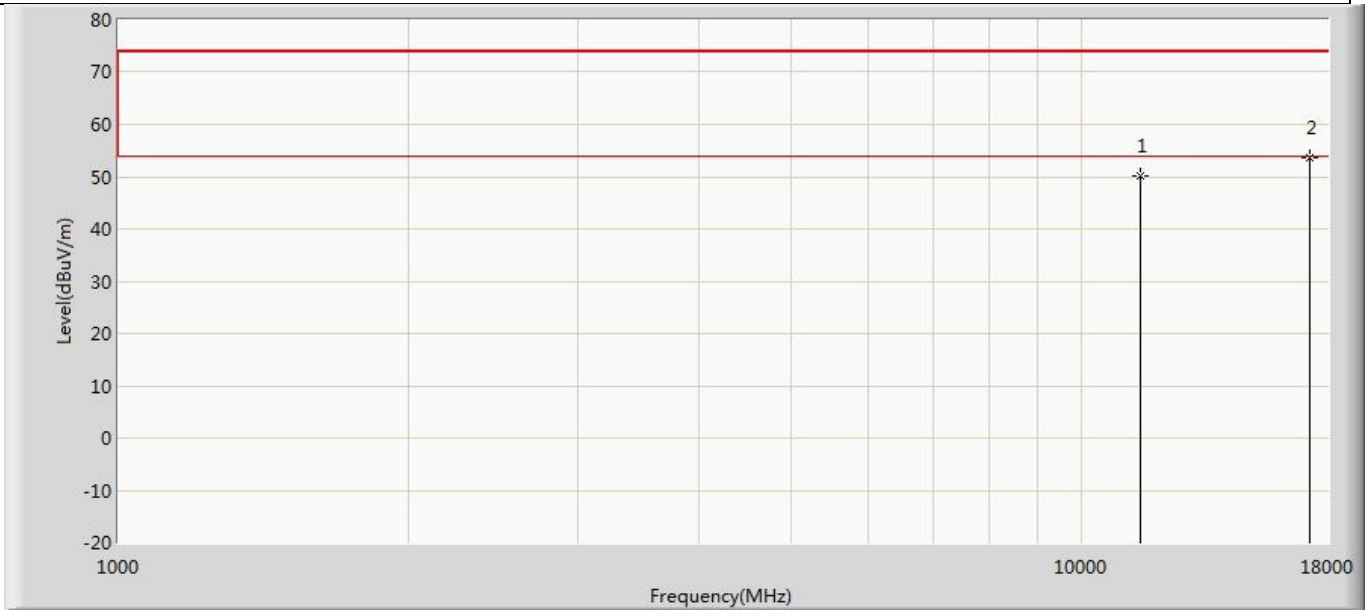
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	48.506	49.548	-25.494	74.000	-1.042	PK
2	*	17100.000	53.669	48.882	-20.331	74.000	4.787	PK

Profile: 23A0637R	Page No.: 209
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5745MHz by 802.11n(20MHz) with Ant2	



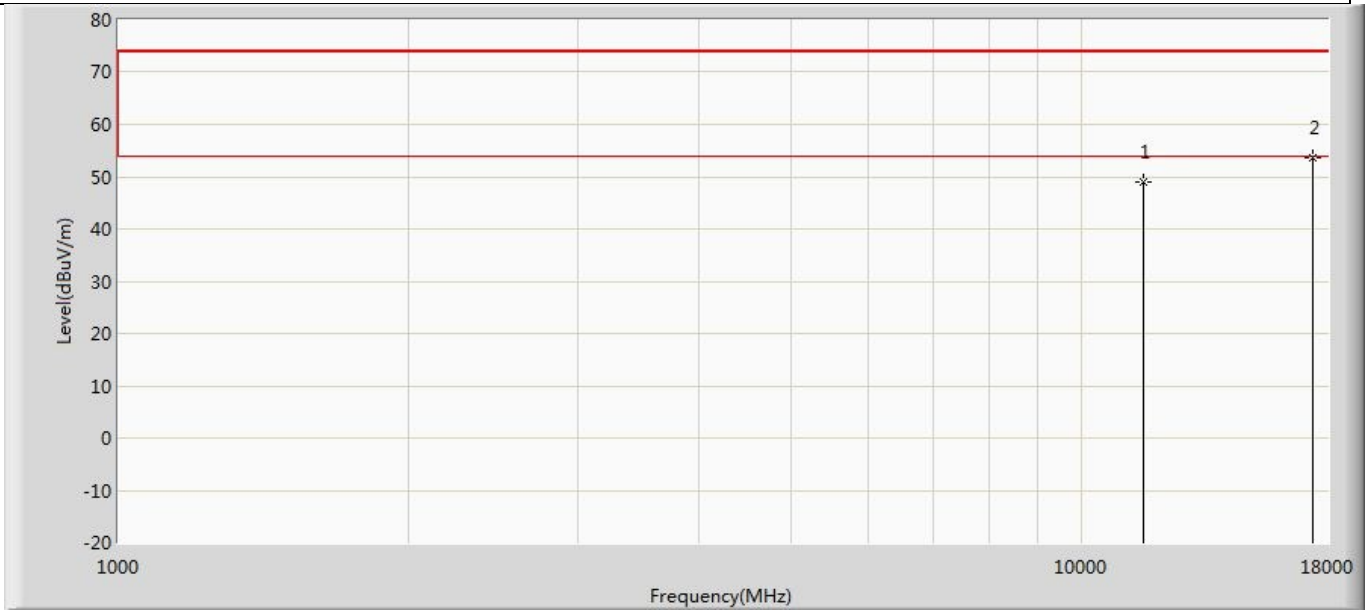
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	48.873	49.397	-25.127	74.000	-0.524	PK
2	*	17235.000	54.407	48.970	-19.593	74.000	5.437	PK

Profile: 23A0637R	Page No.: 210
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5745MHz by 802.11n(20MHz) with Ant2	



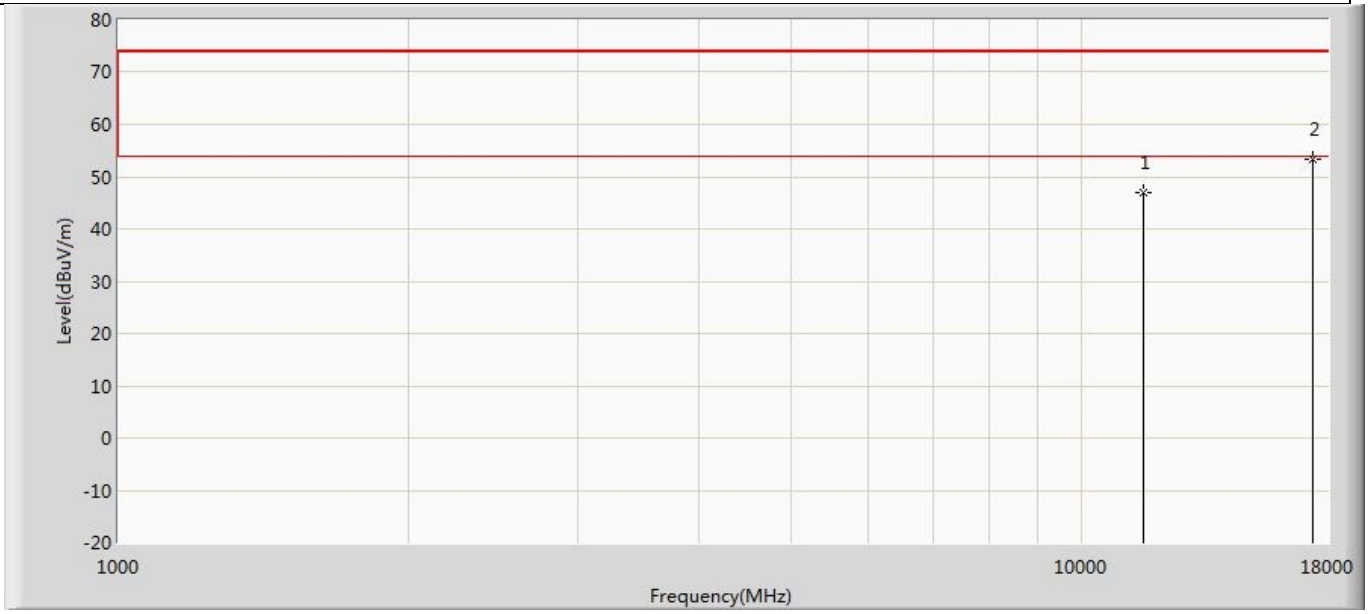
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	50.163	50.687	-23.837	74.000	-0.524	PK
2	*	17235.000	53.720	48.283	-20.280	74.000	5.437	PK

Profile: 23A0637R	Page No.: 211
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5785MHz by 802.11n(20MHz) with Ant2	



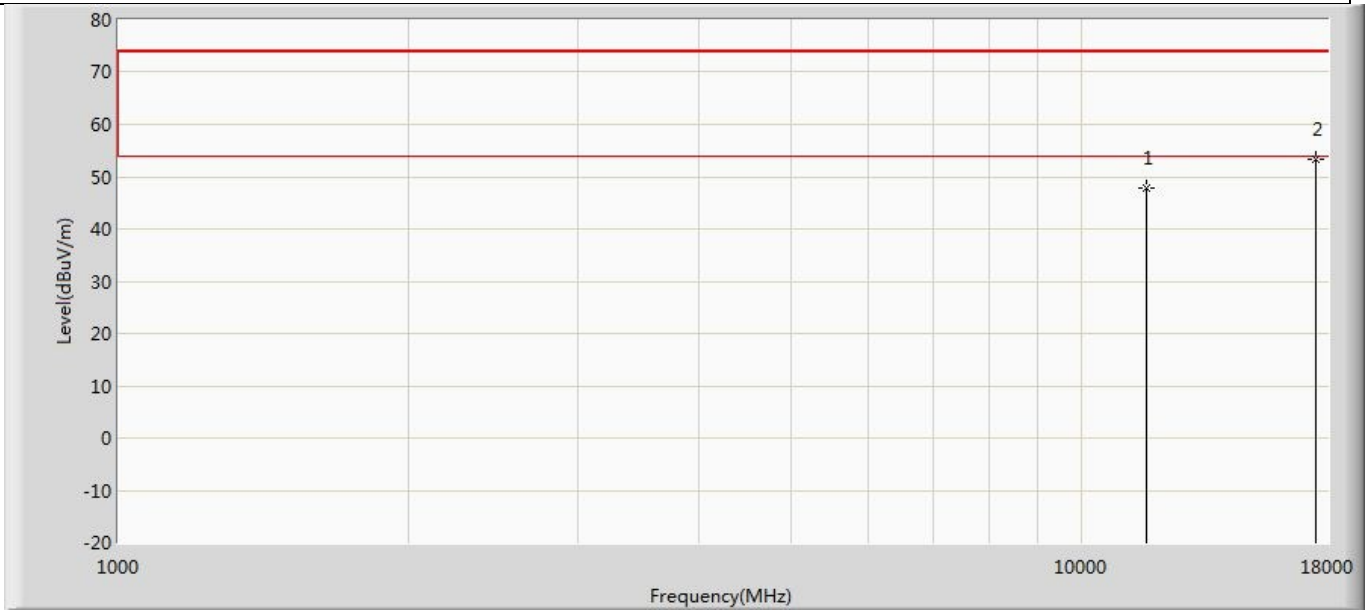
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	48.958	50.147	-25.042	74.000	-1.189	PK
2	*	17355.000	53.489	49.027	-20.511	74.000	4.461	PK

Profile: 23A0637R	Page No.: 212
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5785MHz by 802.11n(20MHz) with Ant2	



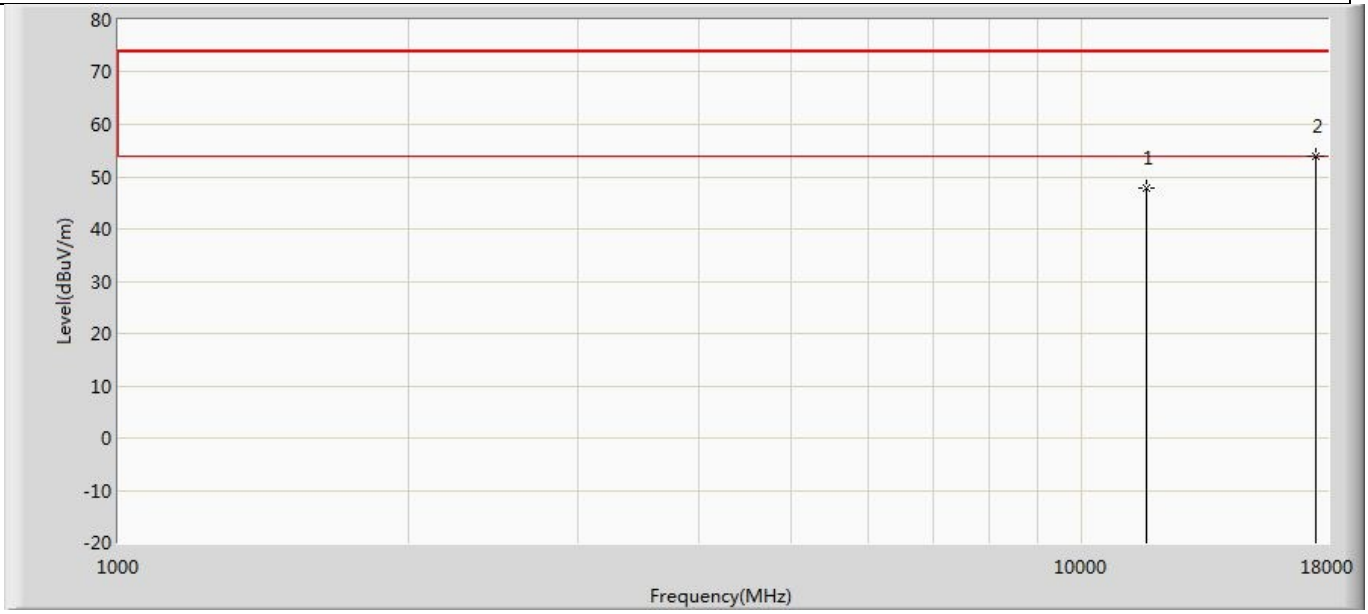
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.034	48.223	-26.966	74.000	-1.189	PK
2	*	17355.000	53.354	48.892	-20.646	74.000	4.461	PK

Profile: 23A0637R	Page No.: 213
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5825MHz by 802.11n(20MHz) with Ant2	



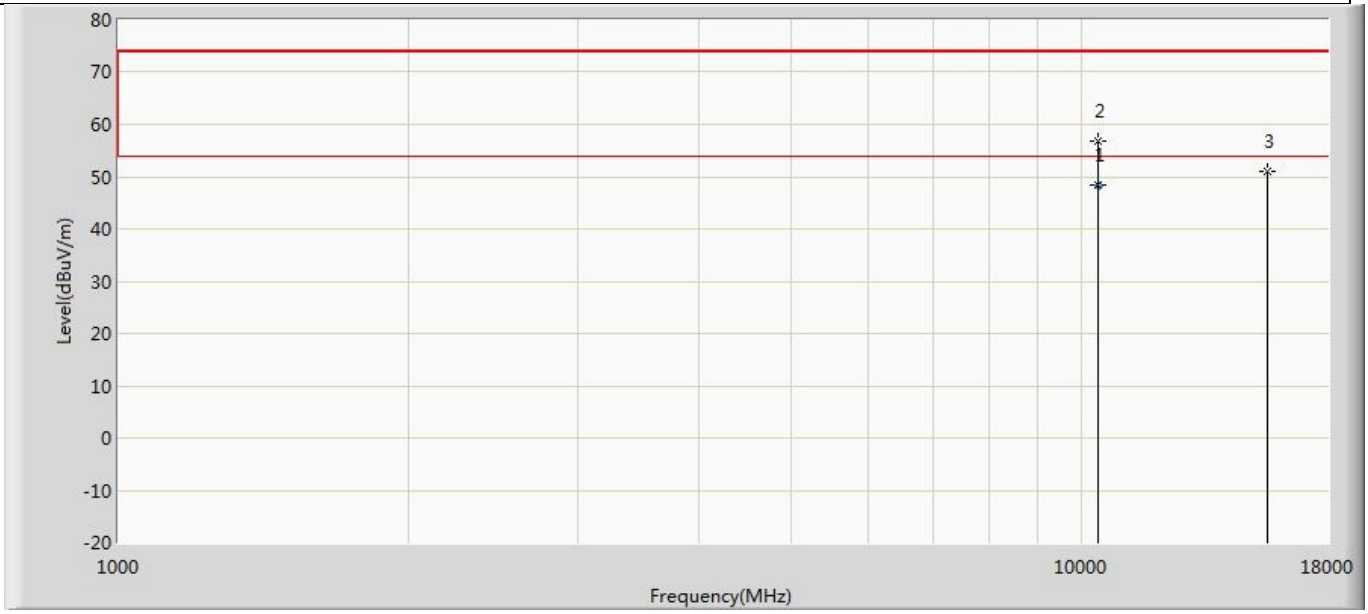
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	47.916	49.592	-26.084	74.000	-1.676	PK
2	*	17475.000	53.198	49.004	-20.802	74.000	4.195	PK

Profile: 23A0637R	Page No.: 214
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 2：Transmit at 5825MHz by 802.11n(20MHz) with Ant2	



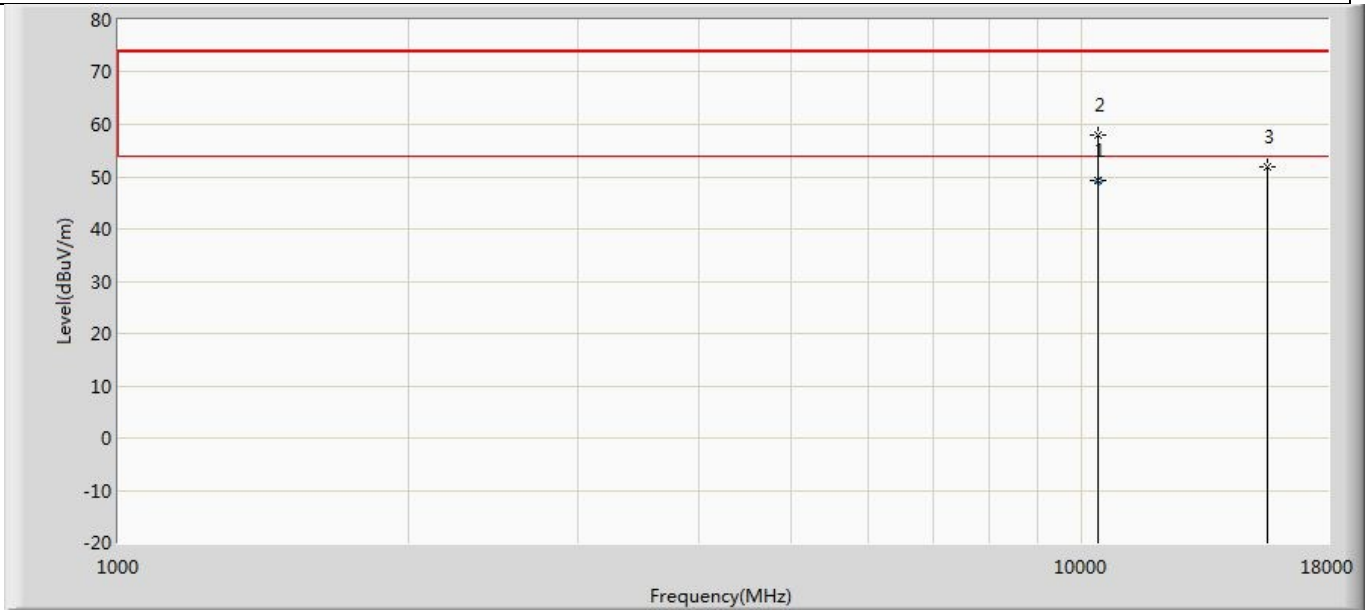
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	47.789	49.465	-26.211	74.000	-1.676	PK
2	*	17475.000	53.854	49.660	-20.146	74.000	4.195	PK

Profile: 23A0637R	Page No.: 215
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5190MHz by 802.11n(40MHz) with Ant2	



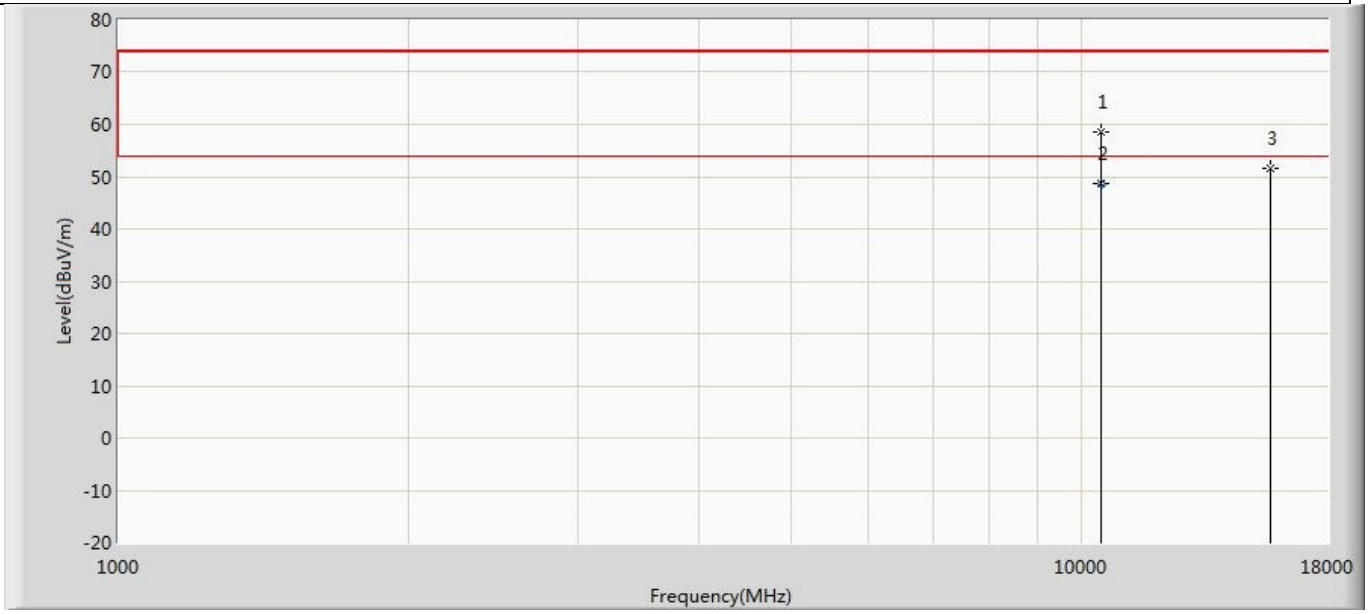
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10380.000	48.428	51.633	-5.572	54.000	-3.205	AV
2		10384.000	56.788	60.003	-17.212	74.000	-3.215	PK
3		15570.000	50.975	50.681	-23.025	74.000	0.294	PK

Profile: 23A0637R	Page No.: 216
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5190MHz by 802.11n(40MHz) with Ant2	



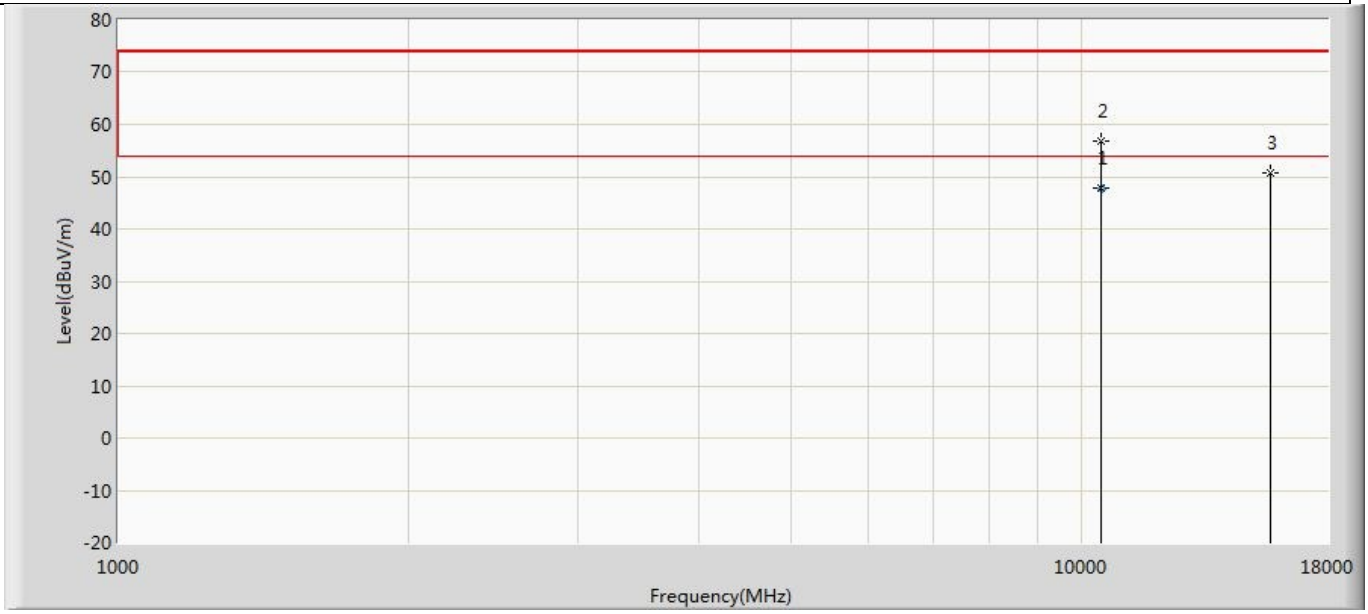
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10380.000	49.314	52.519	-4.686	54.000	-3.205	AV
2		10384.000	57.858	61.073	-16.142	74.000	-3.215	PK
3		15570.000	51.782	51.488	-22.218	74.000	0.294	PK

Profile: 23A0637R	Page No.: 217
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5230MHz by 802.11n(40MHz) with Ant2	



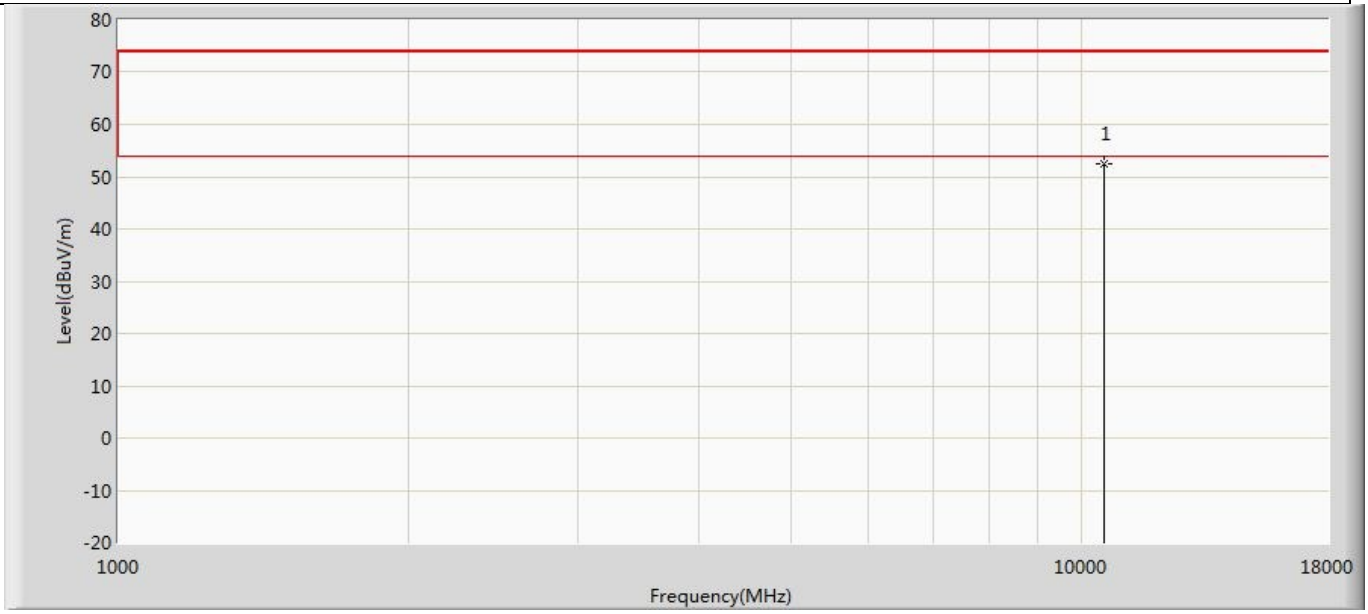
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10452.000	58.578	61.911	-15.422	74.000	-3.333	PK
2	*	10460.000	48.806	52.146	-5.194	54.000	-3.341	AV
3		15690.000	51.553	51.277	-22.447	74.000	0.276	PK

Profile: 23A0637R	Page No.: 218
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5230MHz by 802.11n(40MHz) with Ant2	



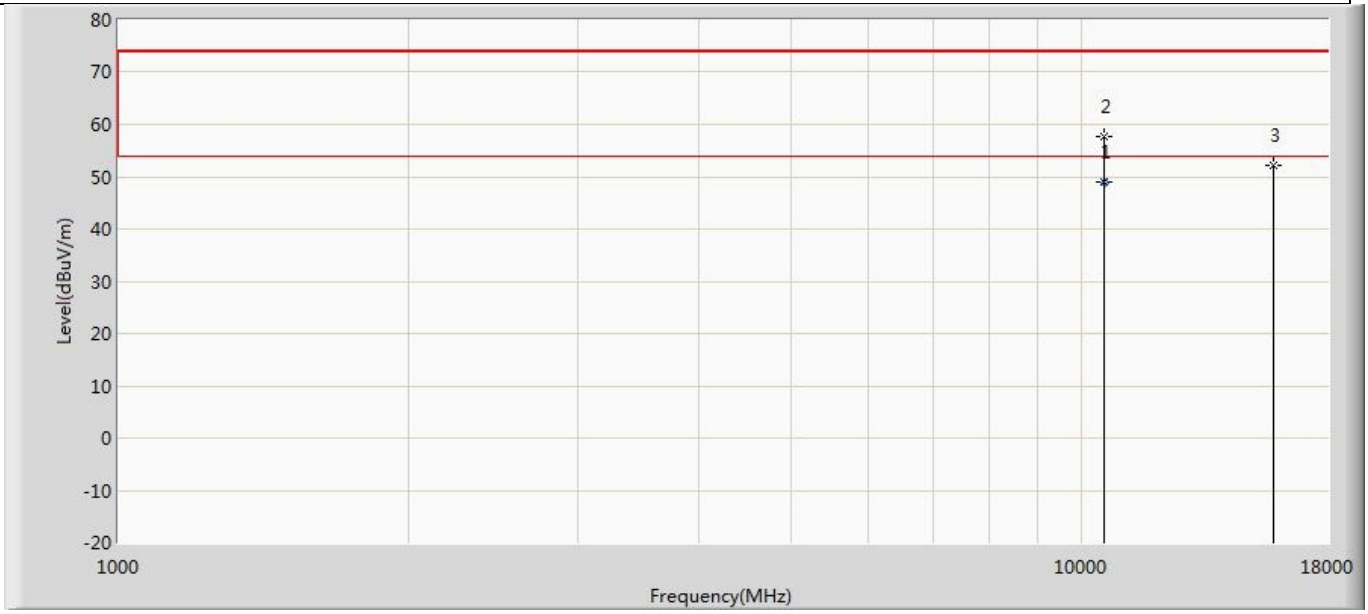
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10460.000	47.924	51.264	-6.076	54.000	-3.341	AV
2		10469.000	56.788	60.137	-17.212	74.000	-3.349	PK
3		15690.000	50.868	50.592	-23.132	74.000	0.276	PK

Profile: 23A0637R	Page No.: 219
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5270MHz by 802.11n(40MHz) with Ant2	



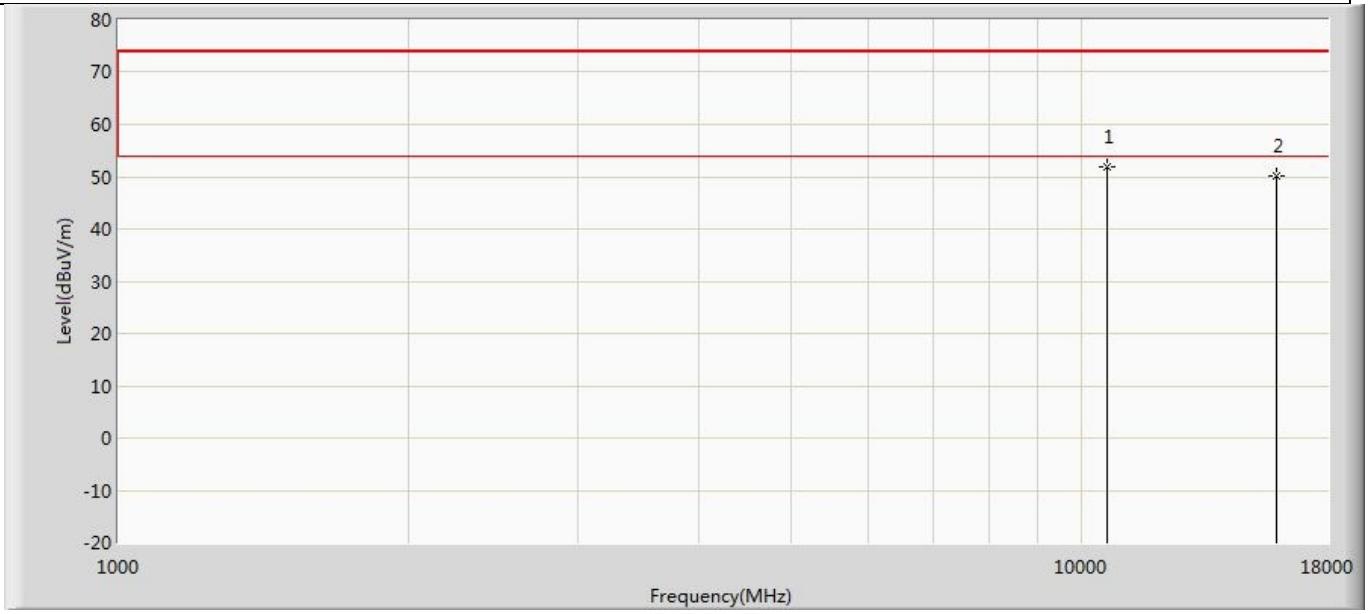
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10537.000	52.411	55.649	-21.589	74.000	-3.238	PK

Profile: 23A0637R	Page No.: 220
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5270MHz by 802.11n(40MHz) with Ant2	



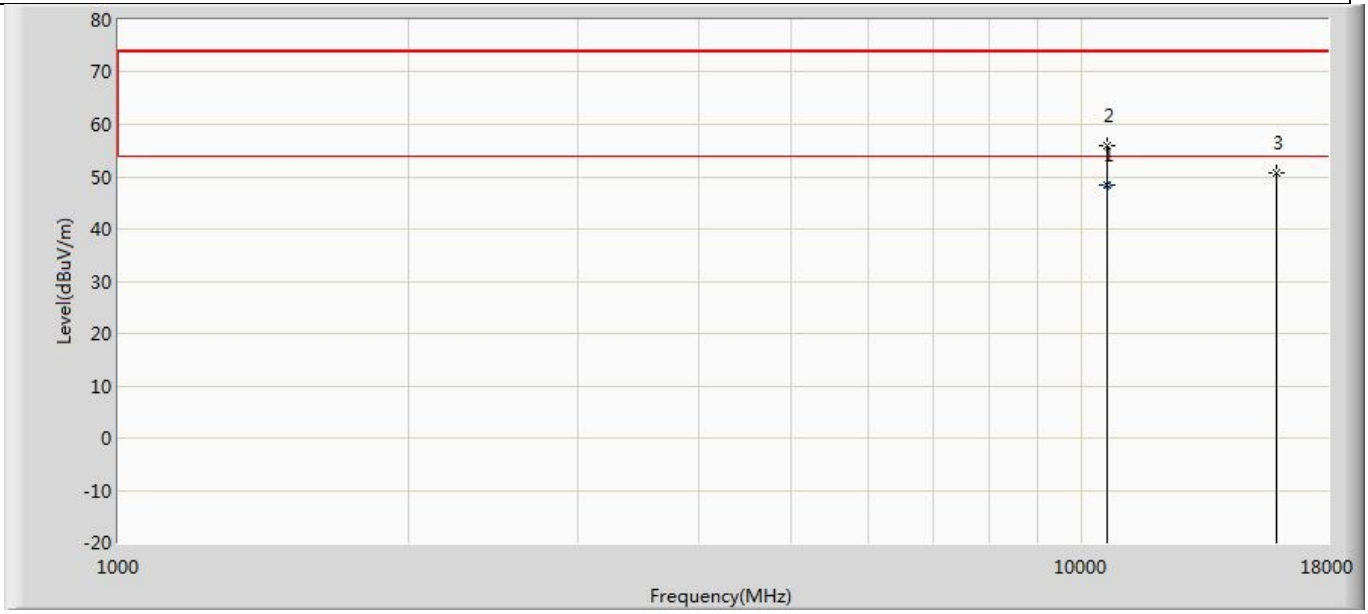
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10540.000	48.914	52.124	-5.086	54.000	-3.210	AV
2		10554.000	57.661	60.742	-16.339	74.000	-3.081	PK
3		15810.000	52.079	51.013	-21.921	74.000	1.066	PK

Profile: 23A0637R	Page No.: 221
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5310MHz by 802.11n(40MHz) with Ant2	



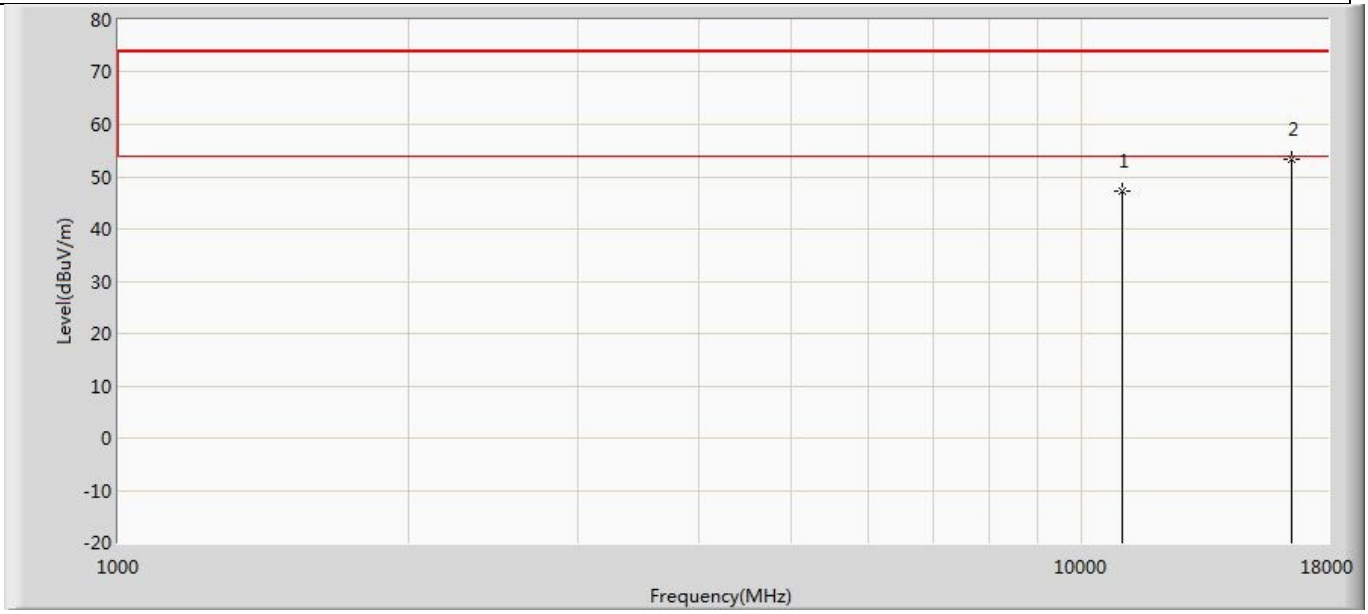
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10605.000	51.944	54.502	-22.056	74.000	-2.558	PK
2		15930.000	50.276	49.085	-23.724	74.000	1.191	PK

Profile: 23A0637R	Page No.: 222
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5310MHz by 802.11n(40MHz) with Ant2	



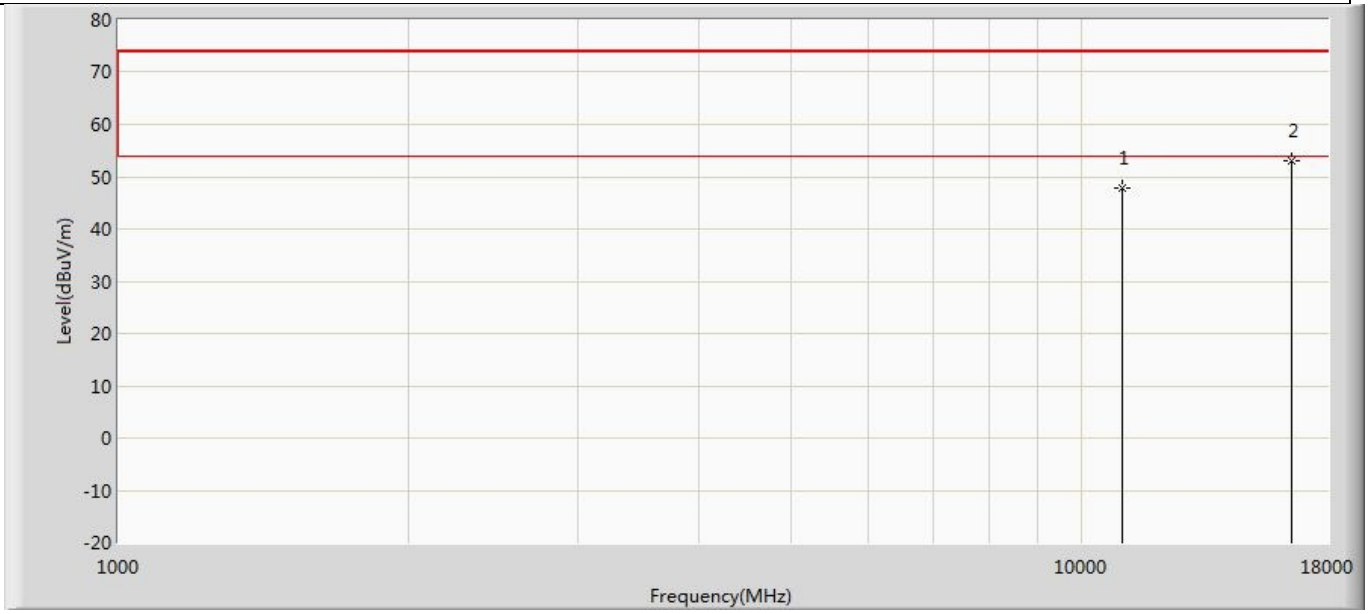
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10620.000	48.421	51.637	-5.579	54.000	-3.217	AV
2		10622.000	55.854	59.158	-18.146	74.000	-3.304	PK
3		15930.000	50.657	49.466	-23.343	74.000	1.191	PK

Profile: 23A0637R	Page No.: 223
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5510MHz by 802.11n(40MHz) with Ant2	



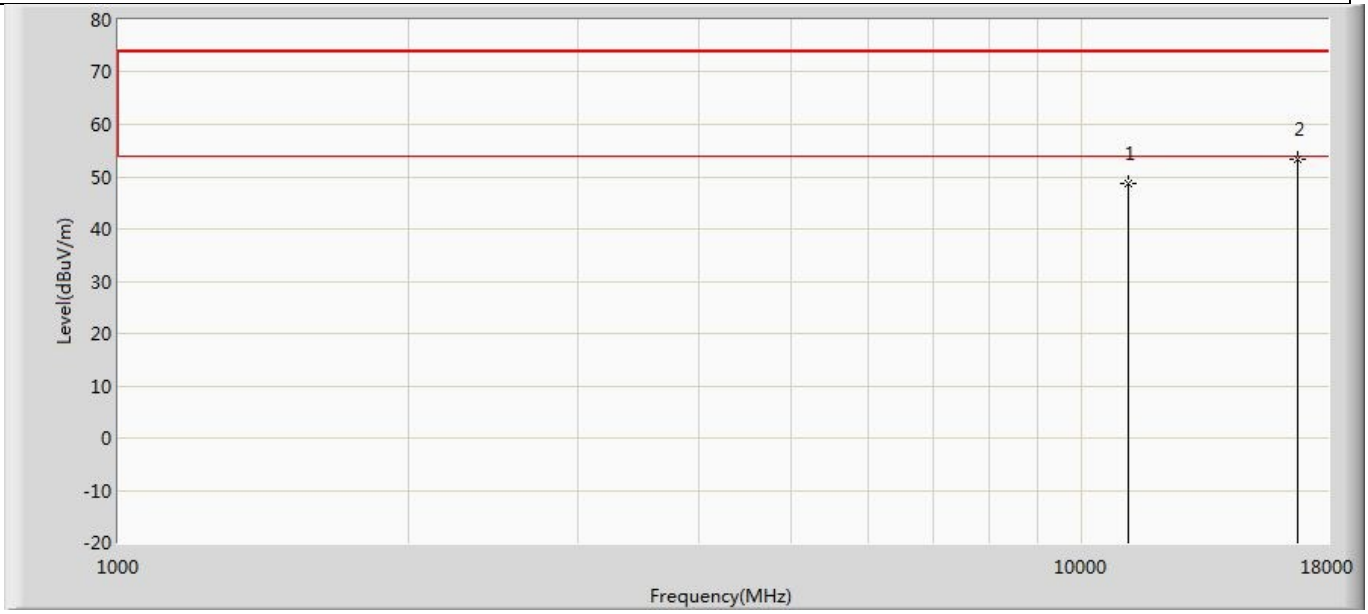
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	47.153	49.255	-26.847	74.000	-2.102	PK
2	*	16530.000	53.433	49.155	-20.567	74.000	4.278	PK

Profile: 23A0637R	Page No.: 224
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5510MHz by 802.11n(40MHz) with Ant2	



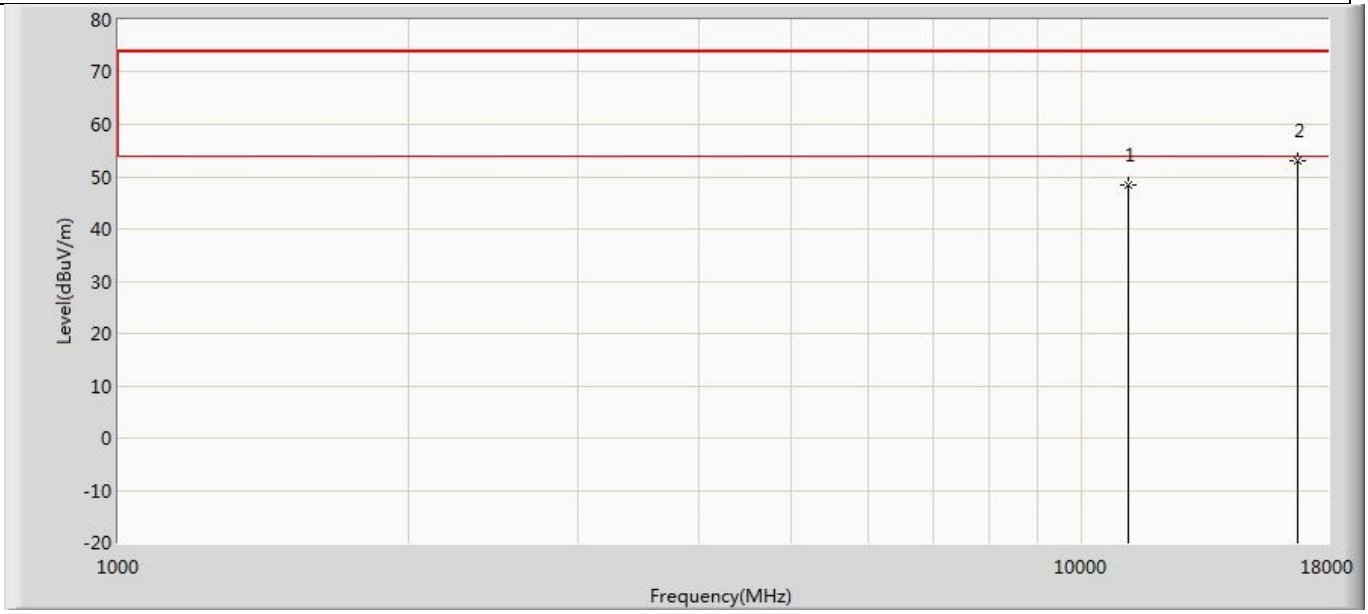
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	47.970	50.072	-26.030	74.000	-2.102	PK
2	*	16530.000	53.158	48.880	-20.842	74.000	4.278	PK

Profile: 23A0637R	Page No.: 225
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5590MHz by 802.11n(40MHz) with Ant2	



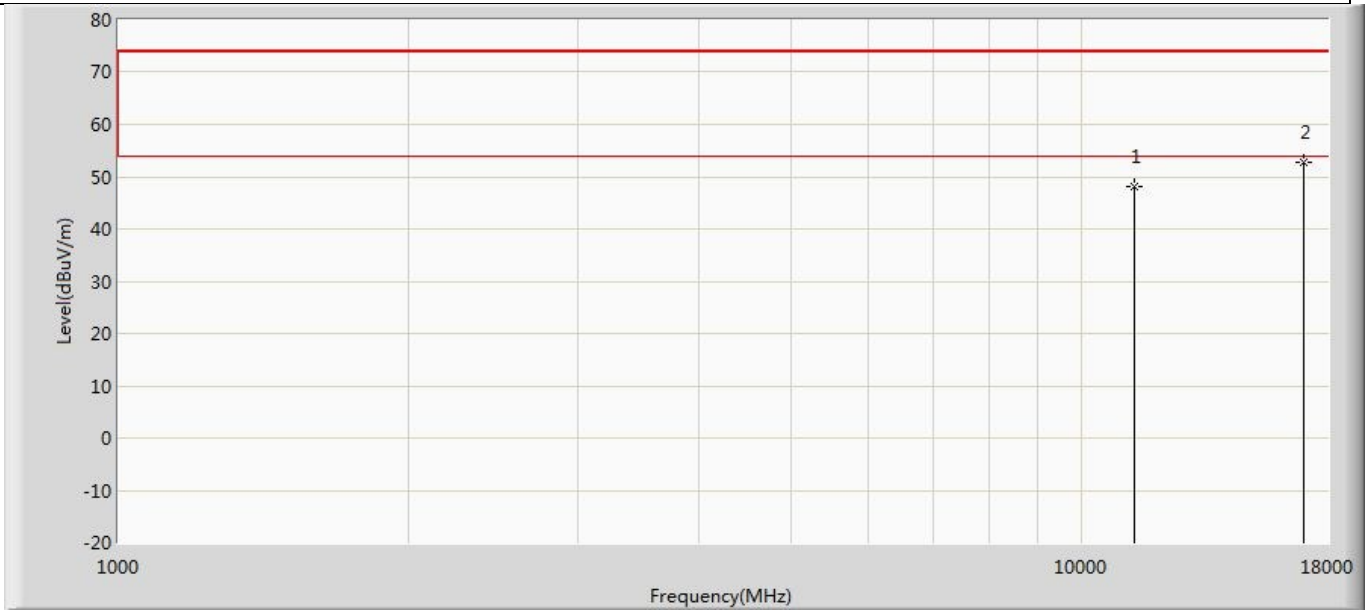
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	48.773	51.006	-25.227	74.000	-2.234	PK
2	*	16770.000	53.210	48.205	-20.790	74.000	5.005	PK

Profile: 23A0637R	Page No.: 226
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5590MHz by 802.11n(40MHz) with Ant2	



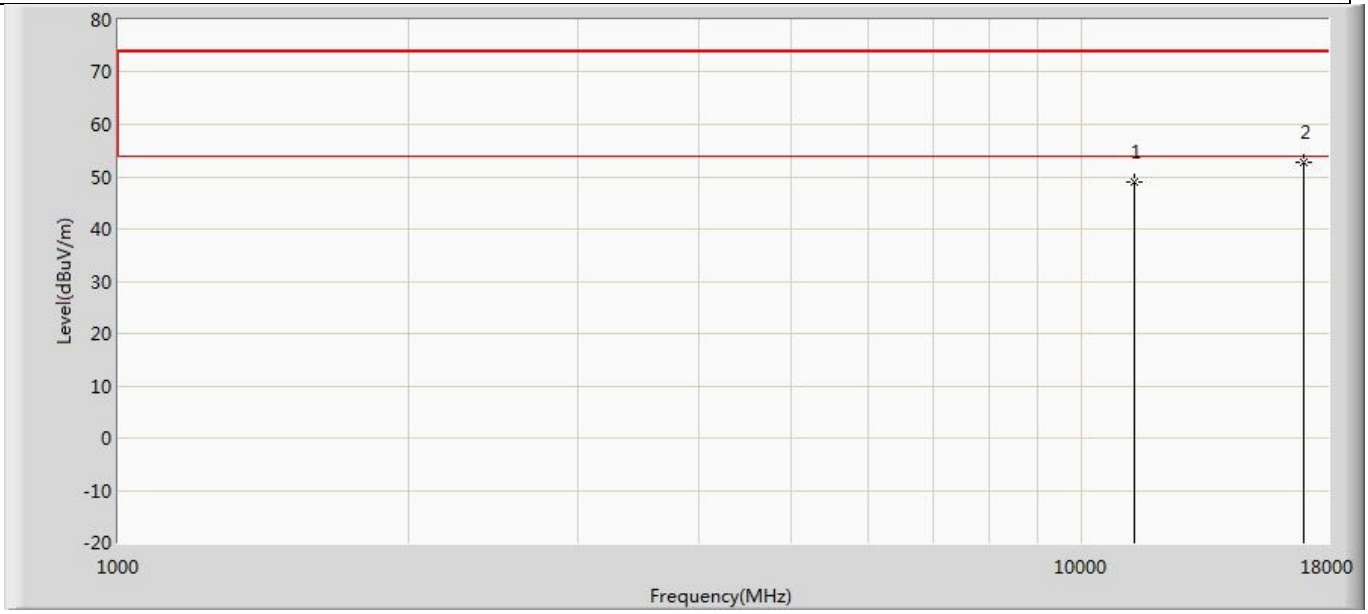
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	48.337	50.570	-25.663	74.000	-2.234	PK
2	*	16770.000	53.083	48.078	-20.917	74.000	5.005	PK

Profile: 23A0637R	Page No.: 227
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5670MHz by 802.11n(40MHz) with Ant2	



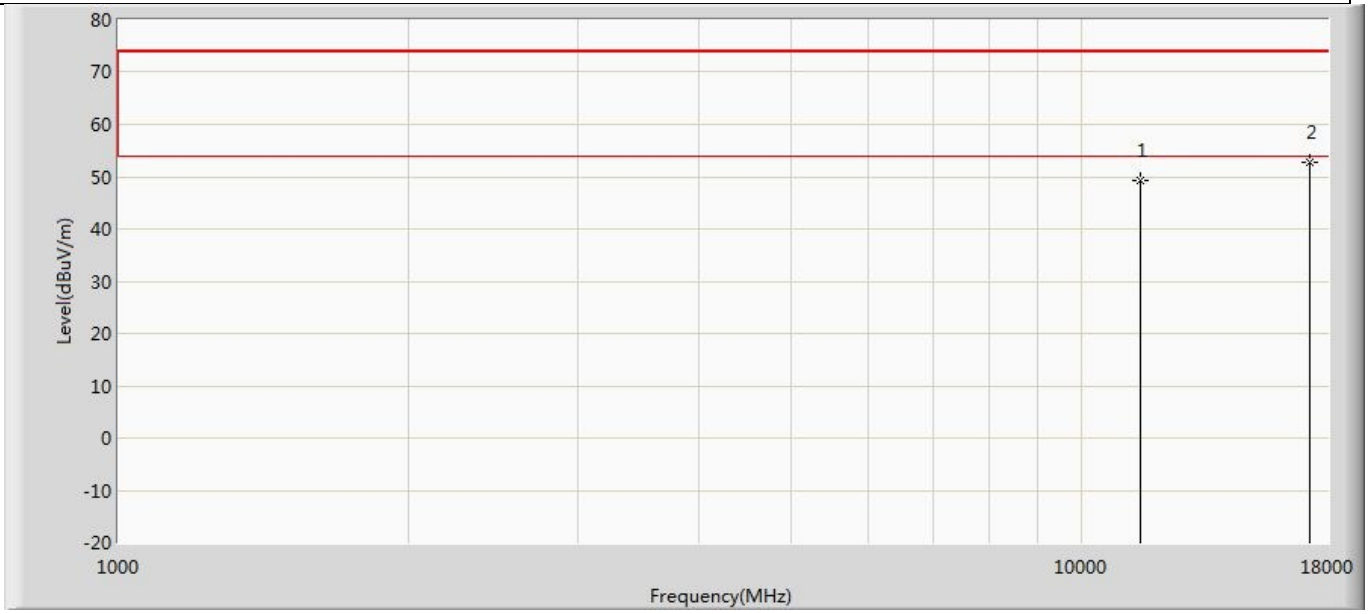
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	48.125	49.496	-25.875	74.000	-1.371	PK
2	*	17010.000	52.755	48.590	-21.245	74.000	4.165	PK

Profile: 23A0637R	Page No.: 228
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5670MHz by 802.11n(40MHz) with Ant2	



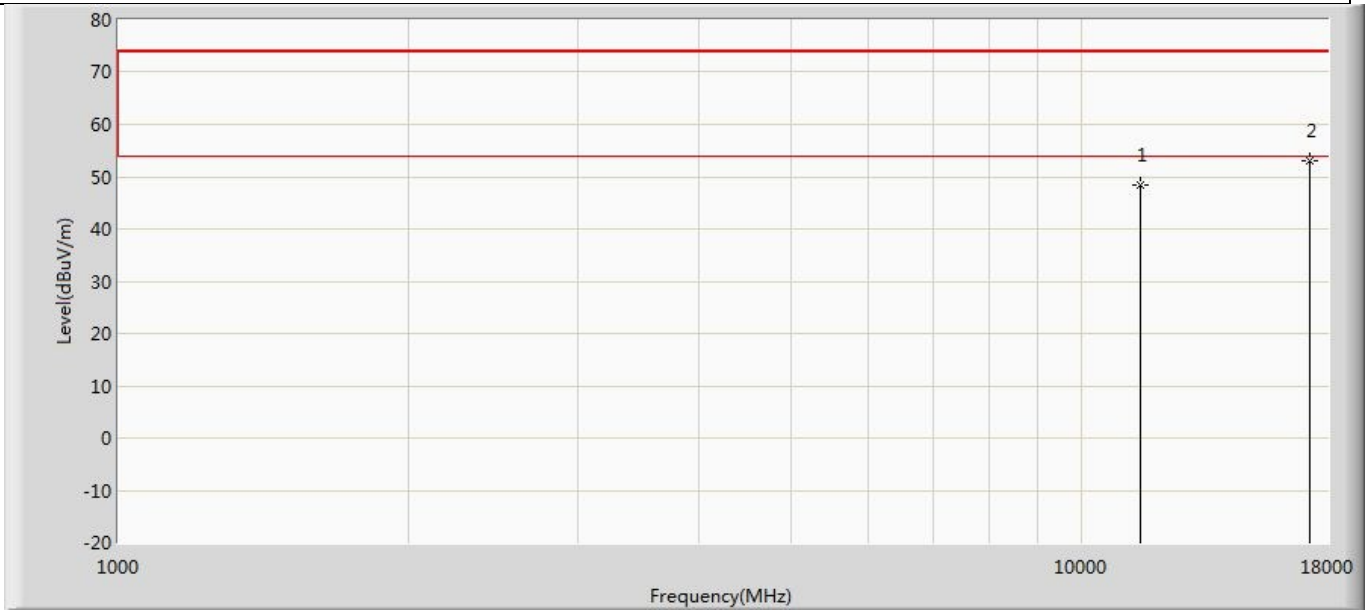
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	49.053	50.424	-24.947	74.000	-1.371	PK
2	*	17010.000	52.667	48.502	-21.333	74.000	4.165	PK

Profile: 23A0637R	Page No.: 229
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5755MHz by 802.11n(40MHz) with Ant2	



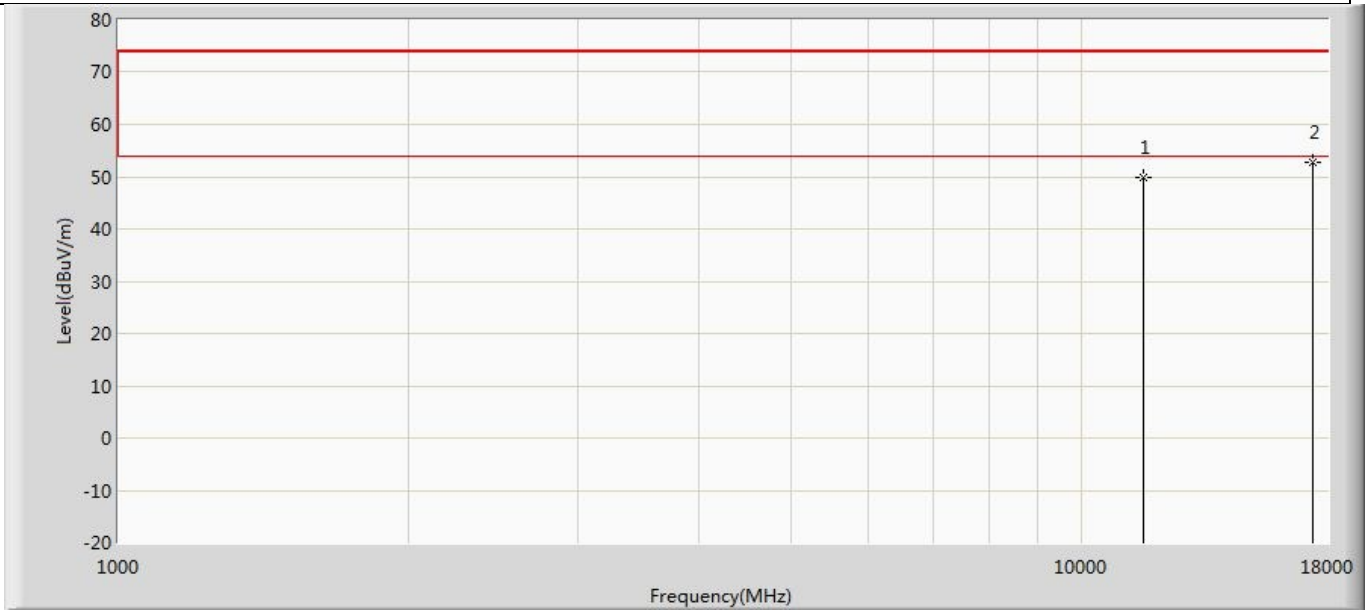
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.334	50.612	-24.666	74.000	-1.278	PK
2	*	17265.000	52.880	49.467	-21.120	74.000	3.412	PK

Profile: 23A0637R	Page No.: 230
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5755MHz by 802.11n(40MHz) with Ant2	



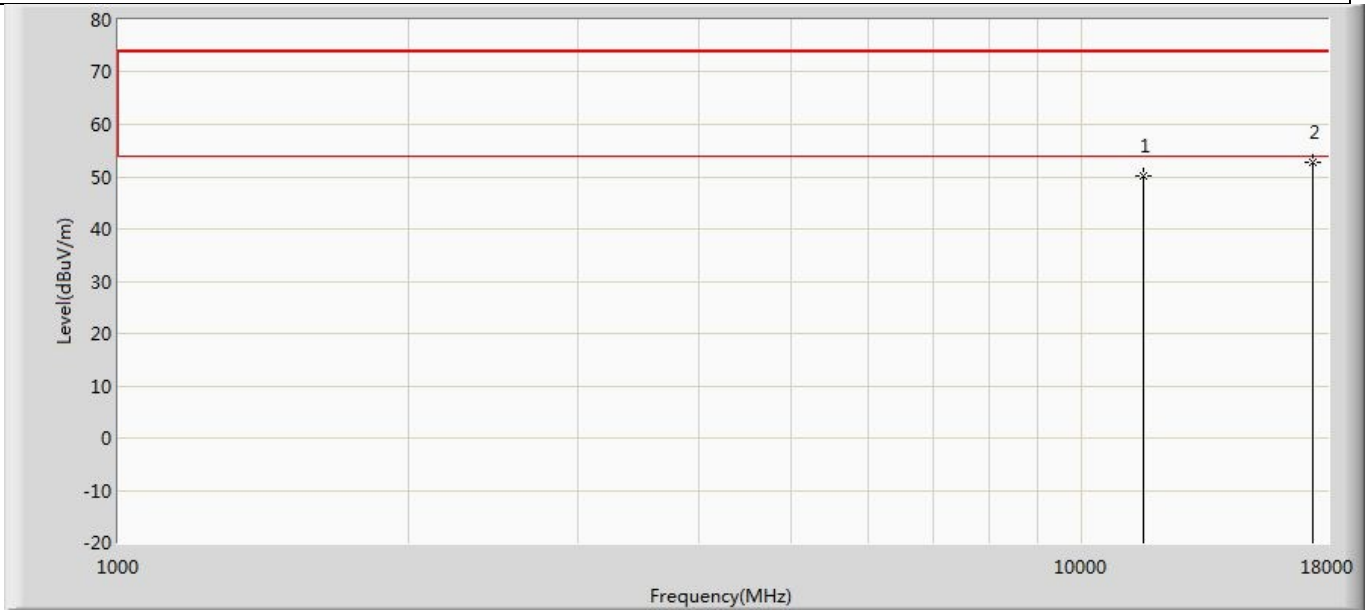
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	48.473	49.751	-25.527	74.000	-1.278	PK
2	*	17265.000	53.049	49.636	-20.951	74.000	3.412	PK

Profile: 23A0637R	Page No.: 231
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5795MHz by 802.11n(40MHz) with Ant2	



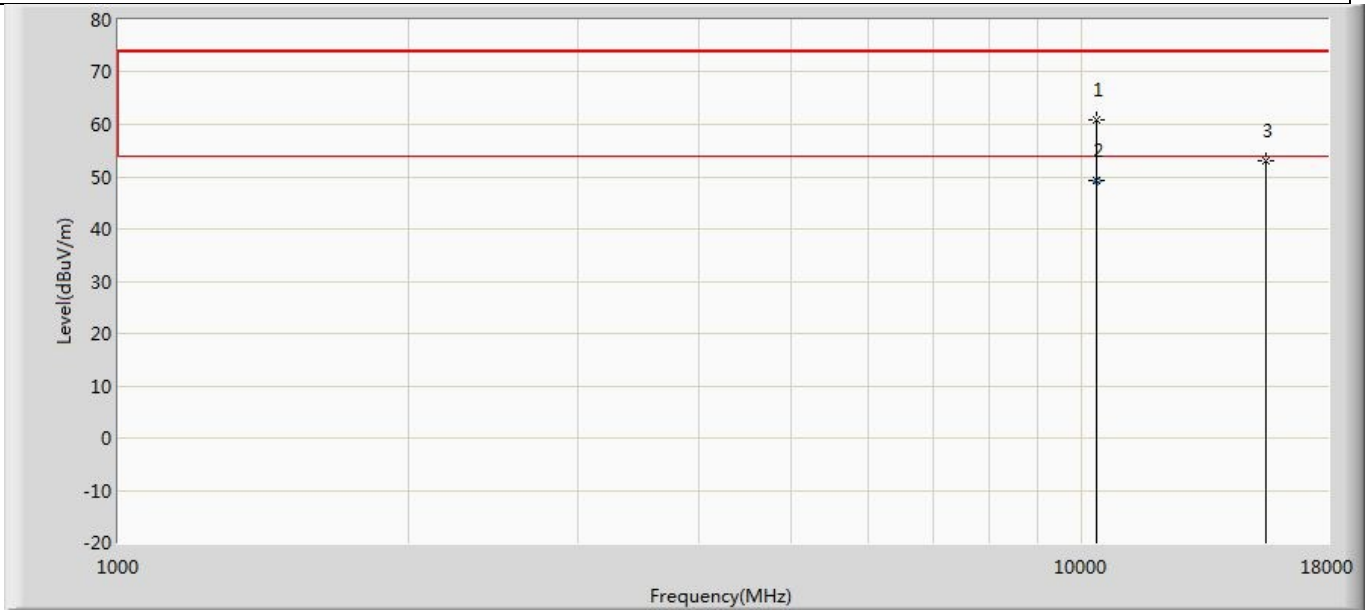
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	49.801	49.700	-24.199	74.000	0.101	PK
2	*	17385.000	52.729	49.397	-21.271	74.000	3.332	PK

Profile: 23A0637R	Page No.: 232
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 3：Transmit at 5795MHz by 802.11n(40MHz) with Ant2	



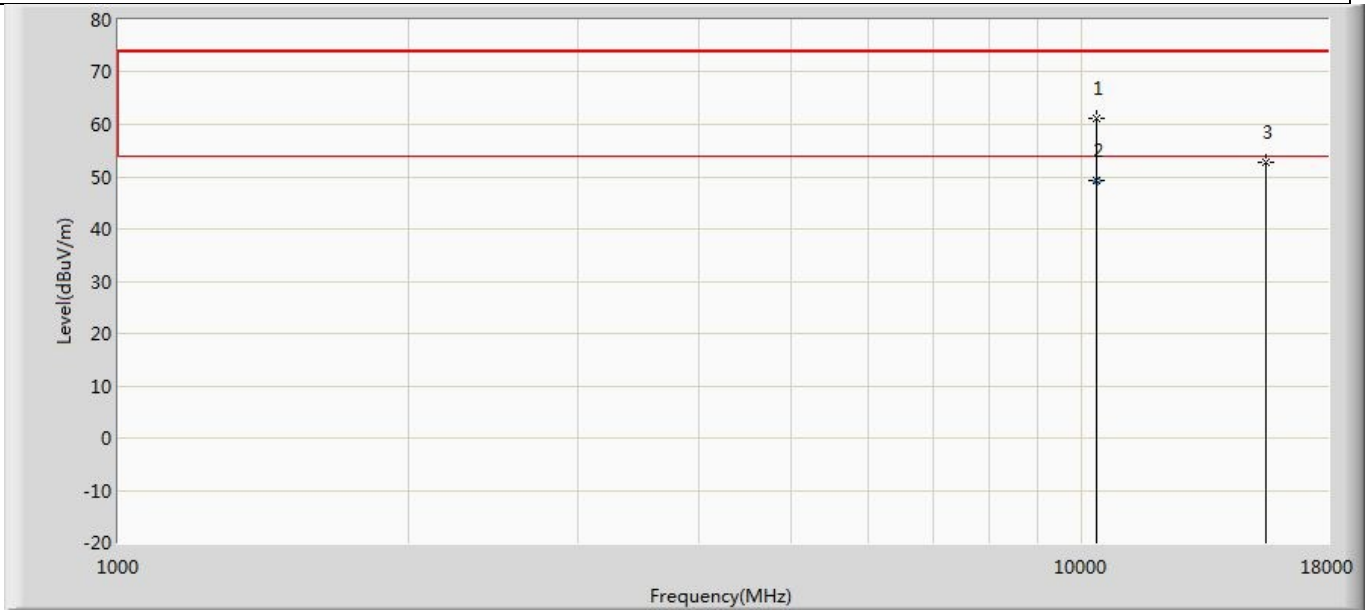
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	50.112	50.011	-23.888	74.000	0.101	PK
2	*	17385.000	52.694	49.362	-21.306	74.000	3.332	PK

Profile: 23A0637R	Page No.: 233
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5180MHz by 802.11ac(20MHz) with Ant2	



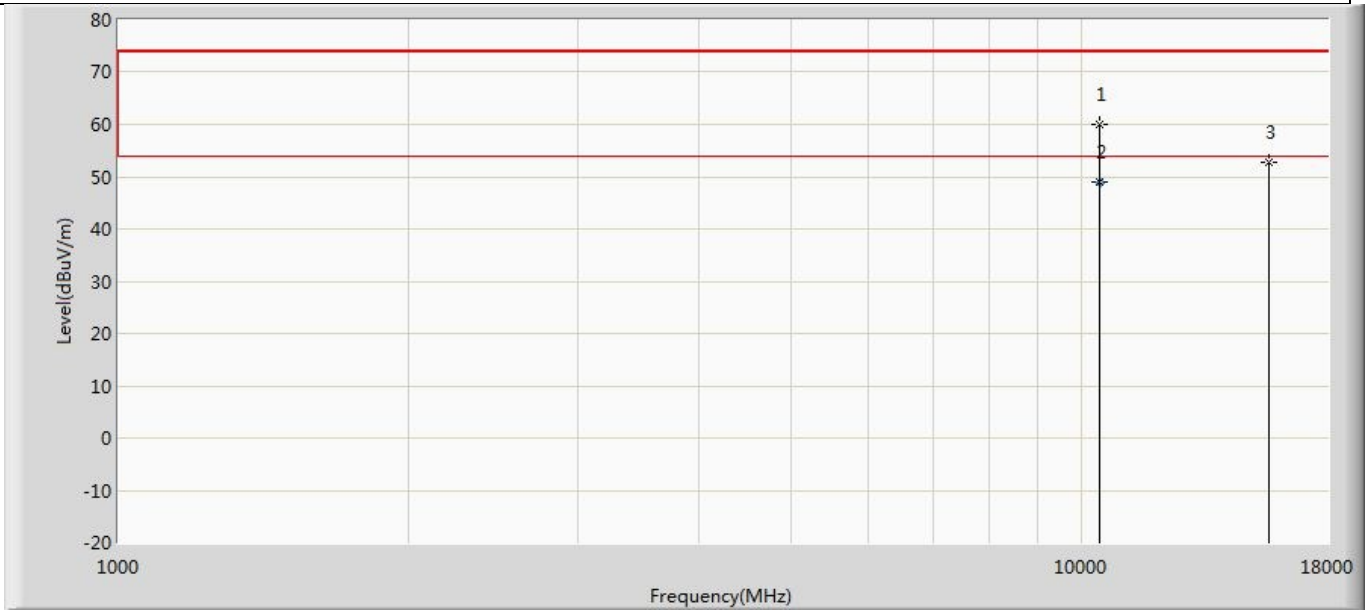
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10350.000	60.987	64.727	-13.013	74.000	-3.740	PK
2	*	10360.000	49.212	52.618	-4.788	54.000	-3.406	AV
3		15540.000	53.155	52.112	-20.845	74.000	1.043	PK

Profile: 23A0637R	Page No.: 234
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5180MHz by 802.11ac(20MHz) with Ant2	



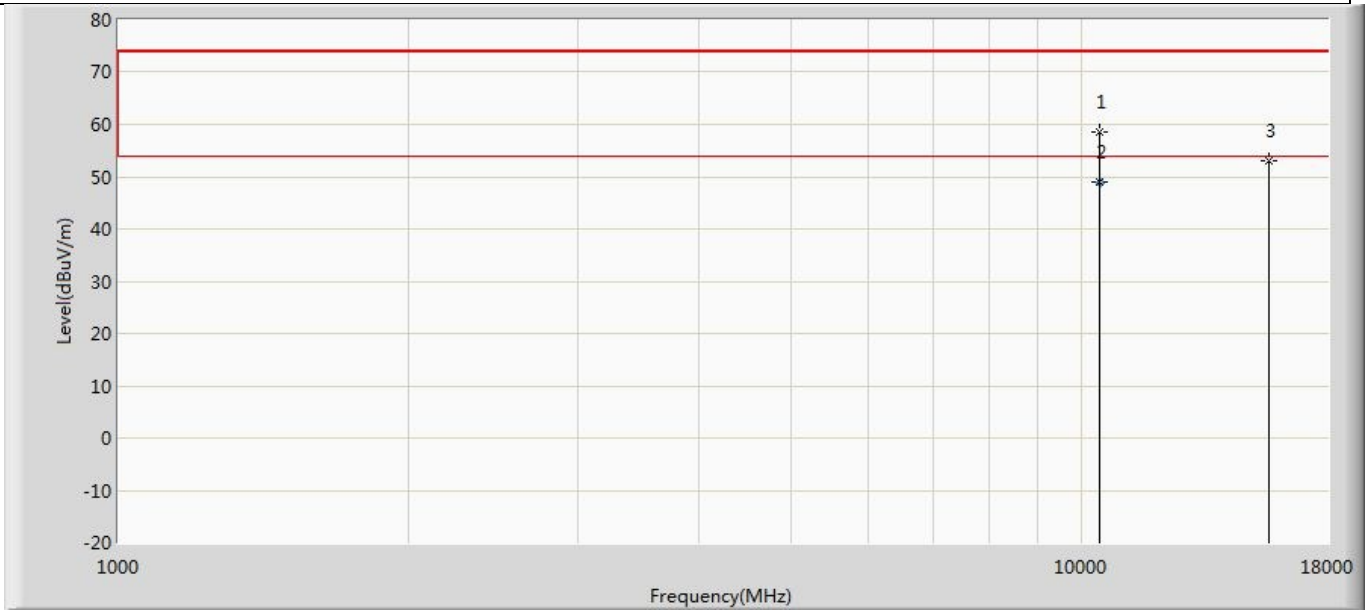
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10350.000	61.156	64.896	-12.844	74.000	-3.740	PK
2	*	10360.000	49.211	52.617	-4.789	54.000	-3.406	AV
3		15540.000	52.663	51.620	-21.337	74.000	1.043	PK

Profile: 23A0637R	Page No.: 235
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5220MHz by 802.11ac(20MHz) with Ant2	



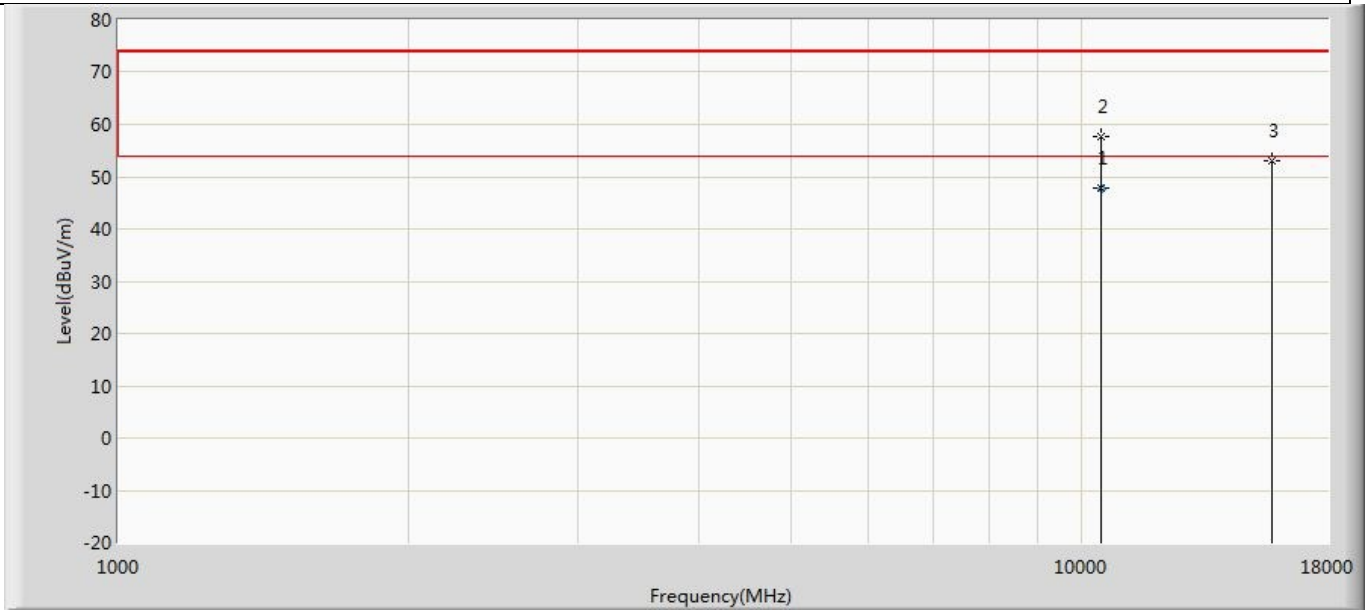
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	59.983	63.261	-14.017	74.000	-3.278	PK
2	*	10440.000	49.024	52.318	-4.976	54.000	-3.294	AV
3		15660.000	52.699	51.688	-21.301	74.000	1.011	PK

Profile: 23A0637R	Page No.: 236
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5220MHz by 802.11ac(20MHz) with Ant2	



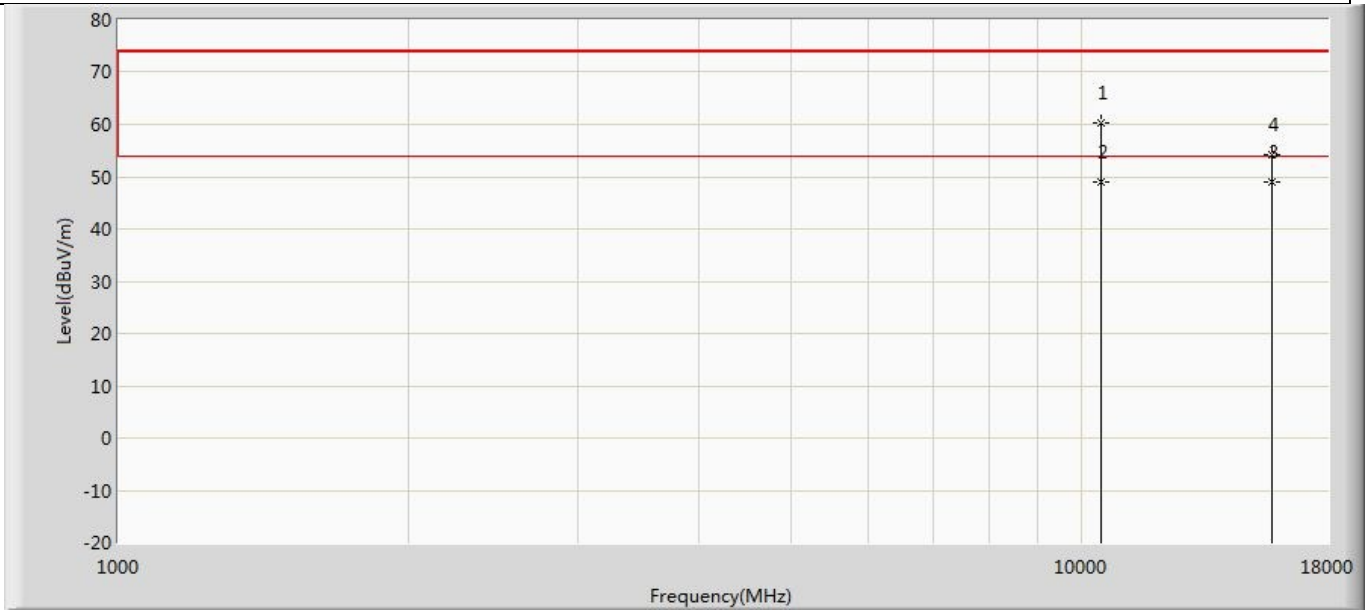
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10435.000	58.574	61.852	-15.426	74.000	-3.278	PK
2	*	10440.000	49.070	52.364	-4.930	54.000	-3.294	AV
3		15660.000	53.046	52.035	-20.954	74.000	1.011	PK

Profile: 23A0637R	Page No.: 237
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5240MHz by 802.11ac(20MHz) with Ant2	



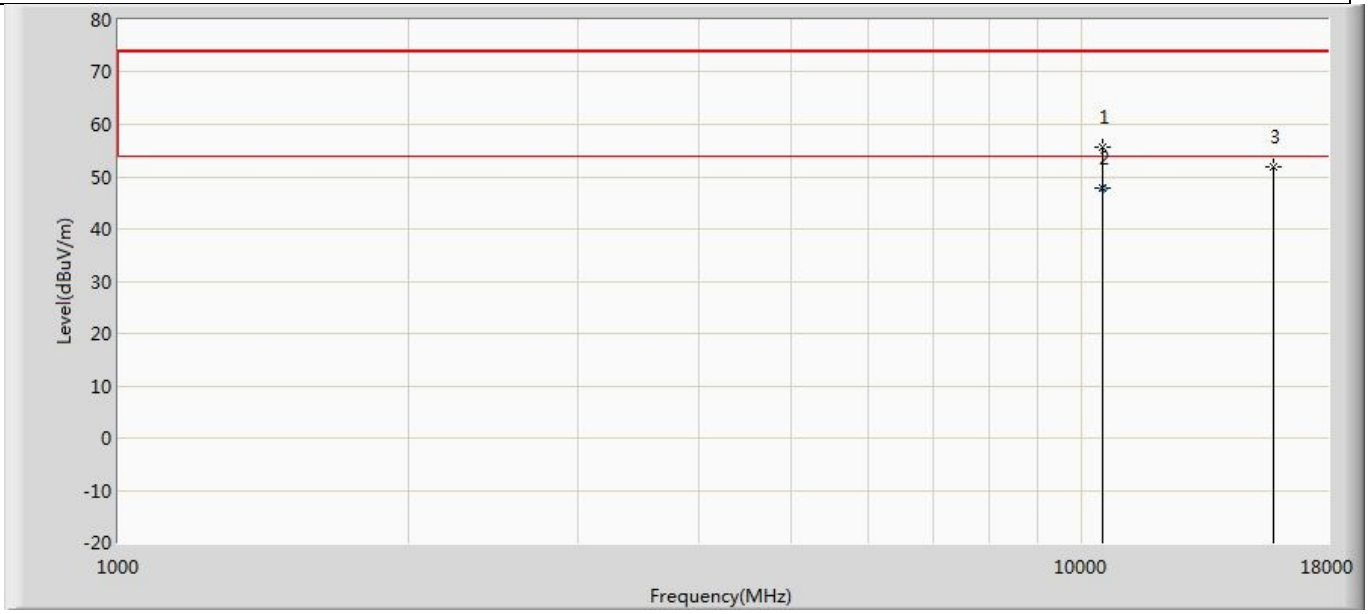
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10480.000	47.970	51.249	-6.030	54.000	-3.279	AV
2		10486.000	57.687	60.928	-16.313	74.000	-3.241	PK
3		15720.000	52.957	51.437	-21.043	74.000	1.520	PK

Profile: 23A0637R	Page No.: 238
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5240MHz by 802.11ac(20MHz) with Ant2	



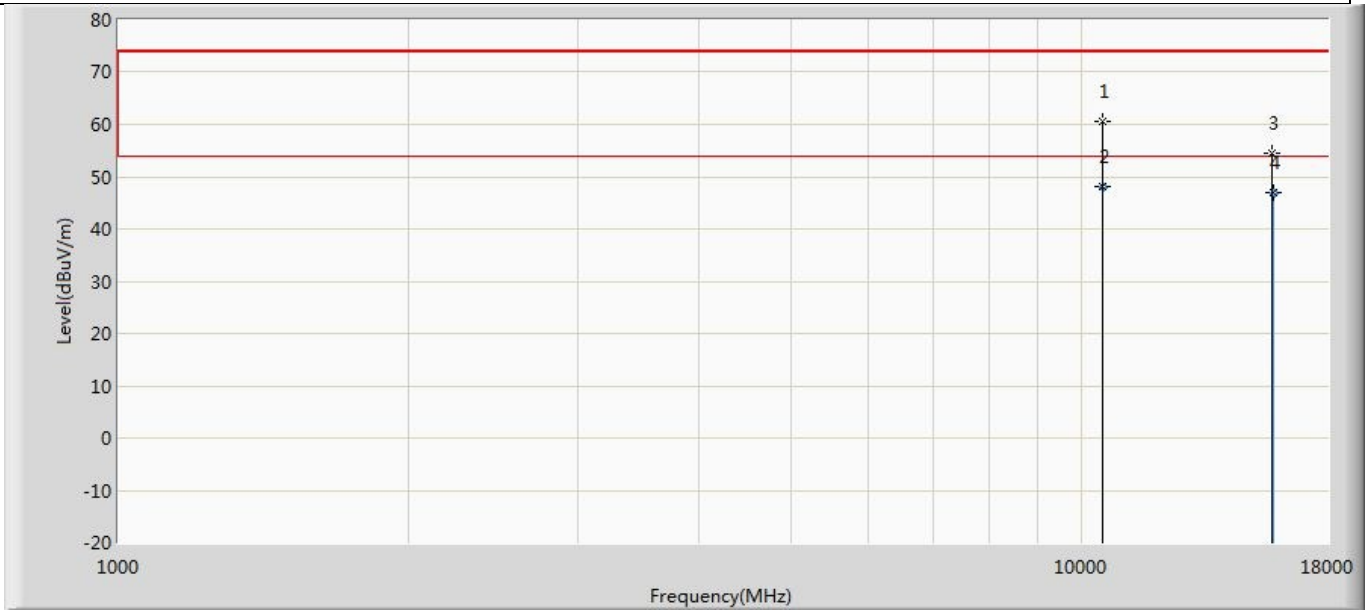
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10469.000	60.147	63.496	-13.853	74.000	-3.349	PK
2		10480.000	49.070	52.349	-24.930	74.000	-3.279	PK
3		15720.000	48.869	47.349	-25.131	74.000	1.520	PK
4		15722.000	54.330	52.786	-19.670	74.000	1.544	PK

Profile: 23A0637R	Page No.: 239
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5260MHz by 802.11ac(20MHz) with Ant2	



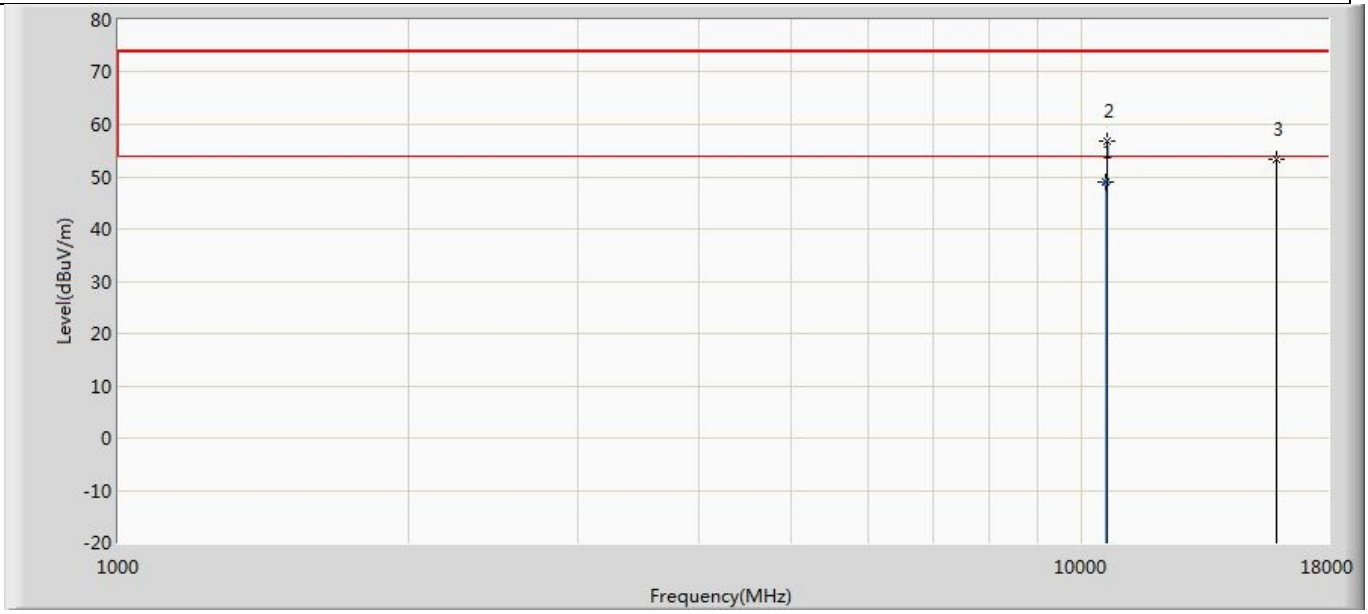
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	55.621	58.860	-18.379	74.000	-3.239	PK
2	*	10520.000	47.782	51.021	-6.218	54.000	-3.239	AV
3		15780.000	51.973	50.715	-22.027	74.000	1.257	PK

Profile: 23A0637R	Page No.: 240
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5260MHz by 802.11ac(20MHz) with Ant2	



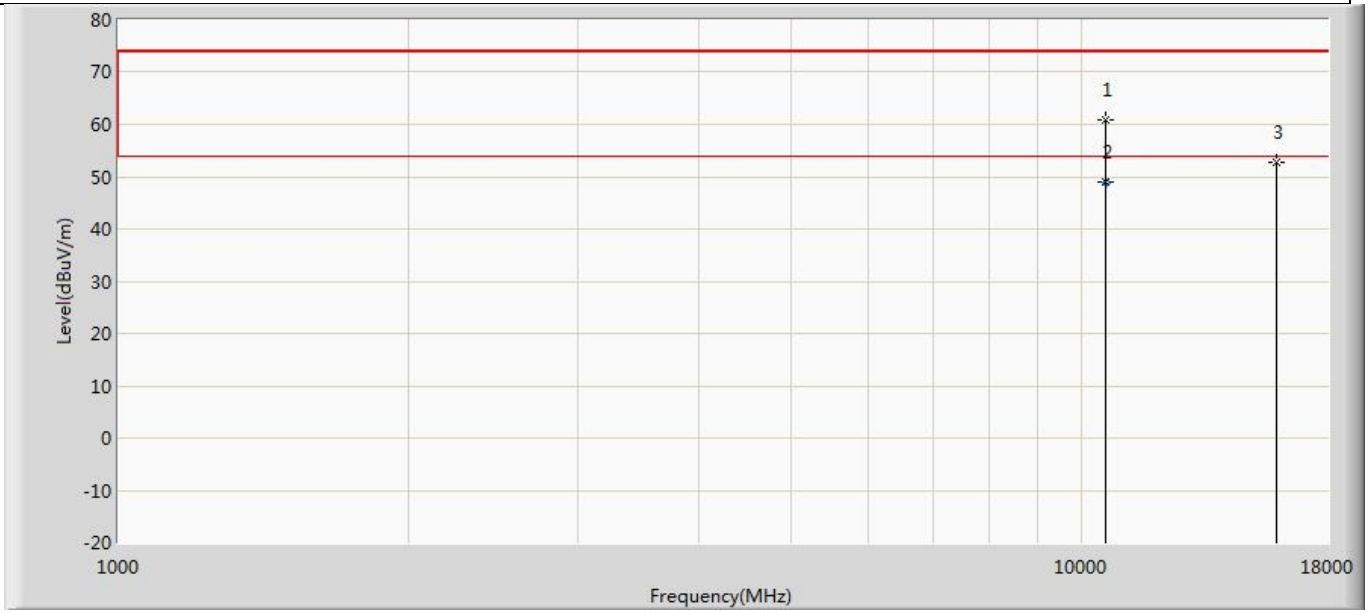
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	60.666	63.905	-13.334	74.000	-3.239	PK
2	*	10520.000	48.128	51.367	-5.872	54.000	-3.239	AV
3		15773.000	54.429	53.026	-19.571	74.000	1.403	PK
4		15780.000	47.074	45.816	-6.926	54.000	1.257	AV

Profile: 23A0637R	Page No.: 241
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5300MHz by 802.11ac(20MHz) with Ant2	



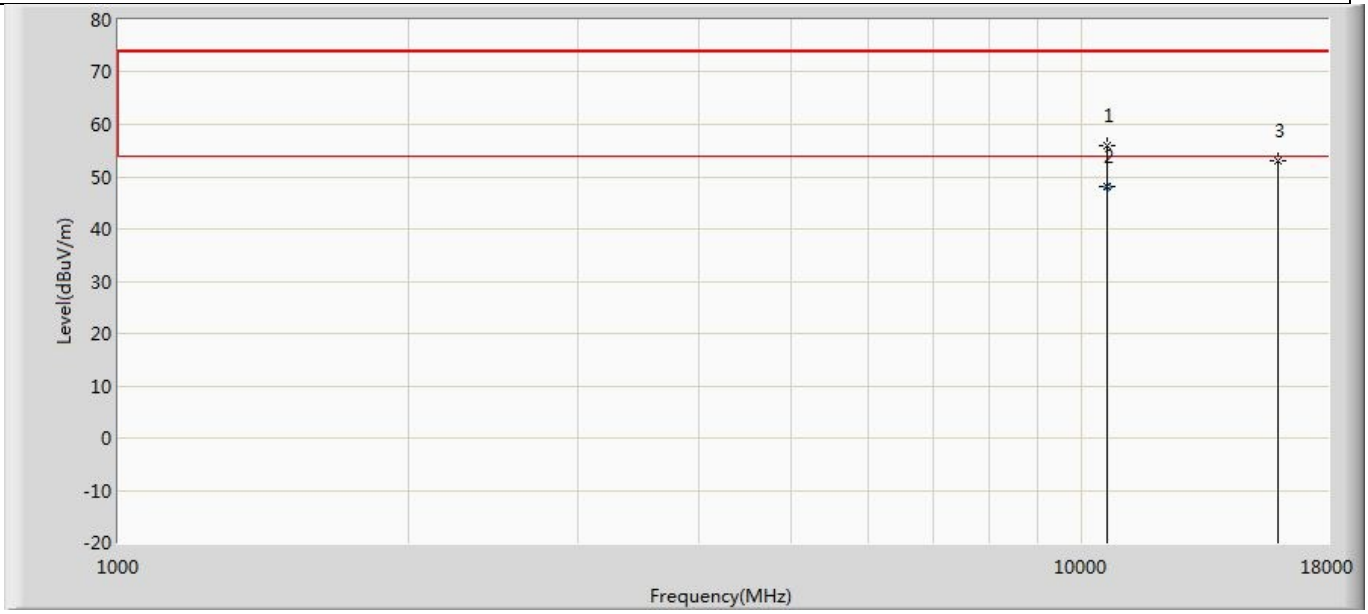
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10600.000	48.915	51.617	-5.085	54.000	-2.702	AV
2		10605.000	56.738	59.296	-17.262	74.000	-2.558	PK
3		15900.000	53.408	51.341	-20.592	74.000	2.067	PK

Profile: 23A0637R	Page No.: 242
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5300MHz by 802.11ac(20MHz) with Ant2	



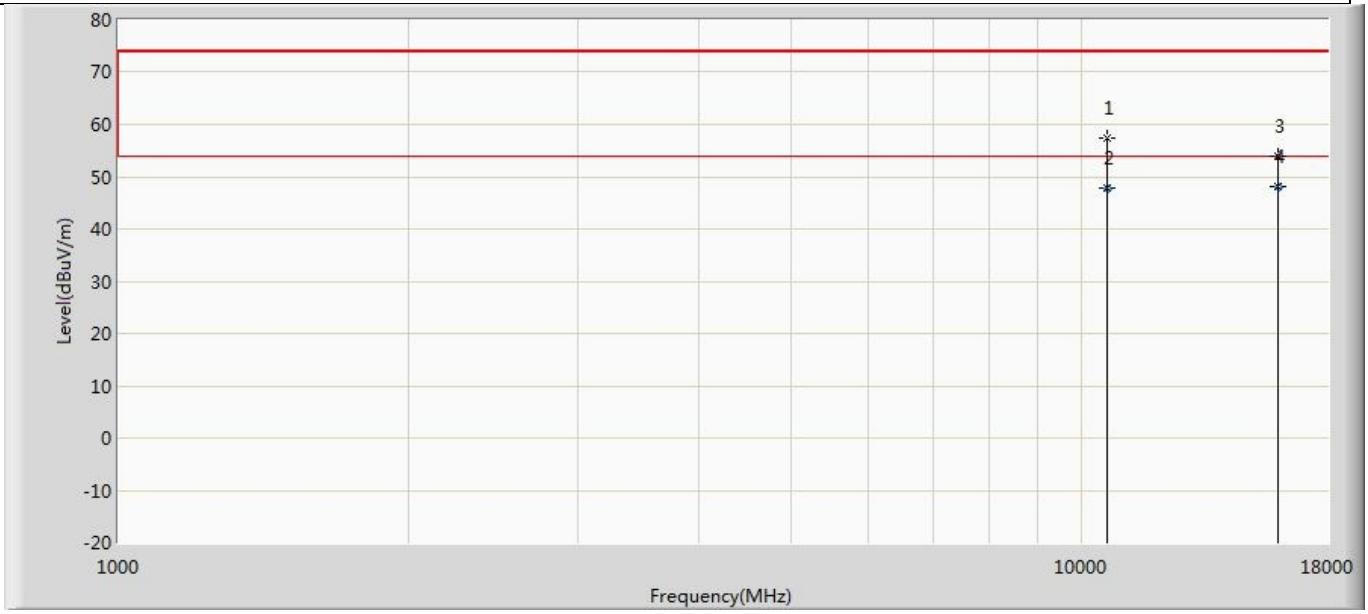
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10588.000	60.751	63.798	-13.249	74.000	-3.047	PK
2	*	10600.000	48.911	51.613	-5.089	54.000	-2.702	AV
3		15900.000	52.830	50.763	-21.170	74.000	2.067	PK

Profile: 23A0637R	Page No.: 243
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5320MHz by 802.11ac(20MHz) with Ant2	



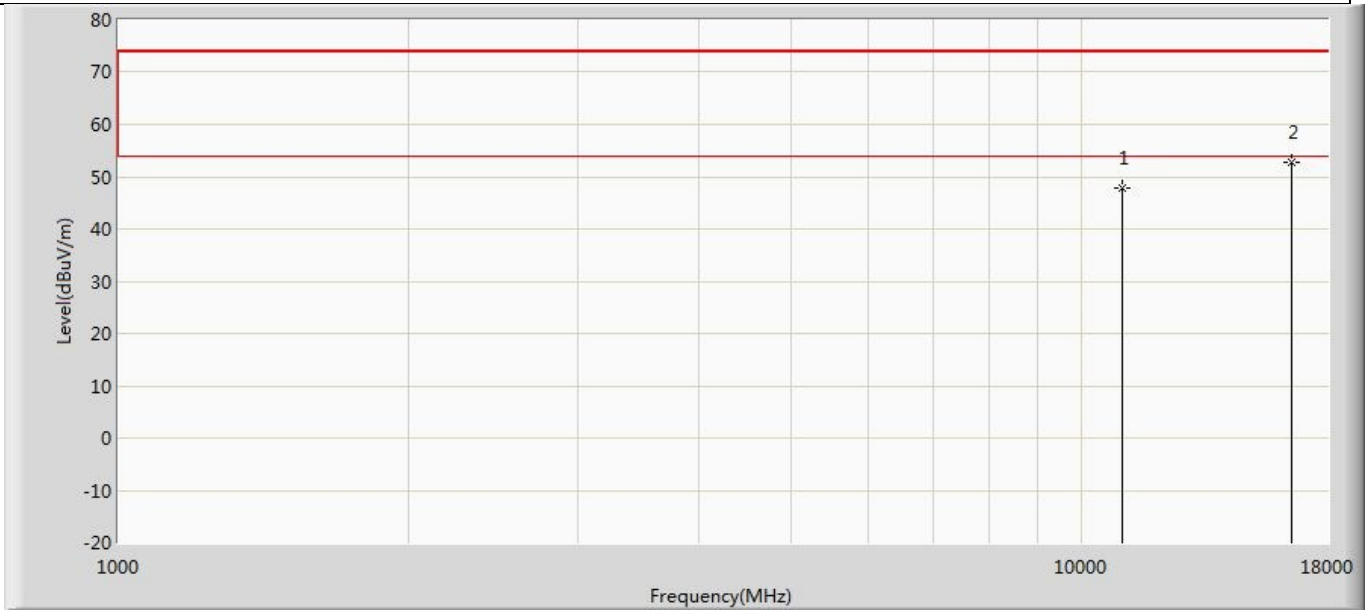
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	55.940	59.308	-18.060	74.000	-3.368	PK
2	*	10640.000	48.260	51.624	-5.740	54.000	-3.364	AV
3		15960.000	52.924	51.791	-21.076	74.000	1.133	PK

Profile: 23A0637R	Page No.: 244
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5320MHz by 802.11ac(20MHz) with Ant2	



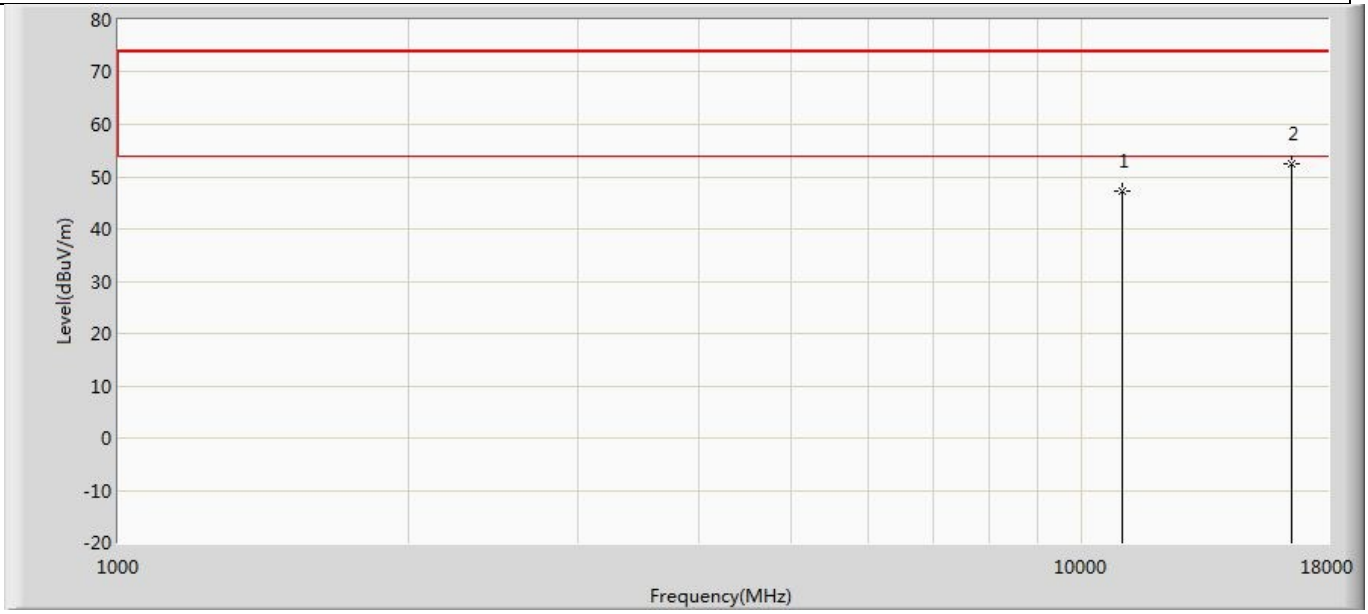
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10639.000	57.531	60.899	-16.469	74.000	-3.368	PK
2		10640.000	47.798	51.162	-6.202	54.000	-3.364	AV
3		15960.000	54.028	52.895	-19.972	74.000	1.133	PK
4	*	15960.000	48.235	47.102	-5.765	54.000	1.133	AV

Profile: 23A0637R	Page No.: 245
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5500MHz by 802.11ac(20MHz) with Ant2	



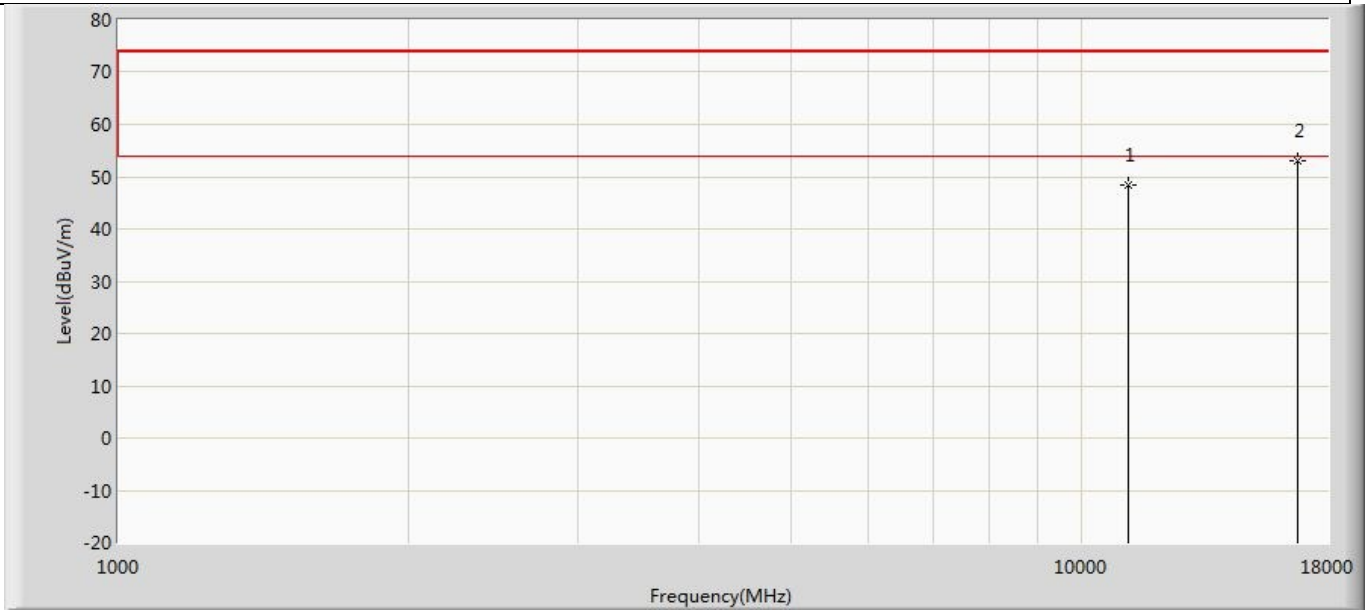
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.803	49.691	-26.197	74.000	-1.888	PK
2	*	16500.000	52.816	47.883	-21.184	74.000	4.933	PK

Profile: 23A0637R	Page No.: 246
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5500MHz by 802.11ac(20MHz) with Ant2	



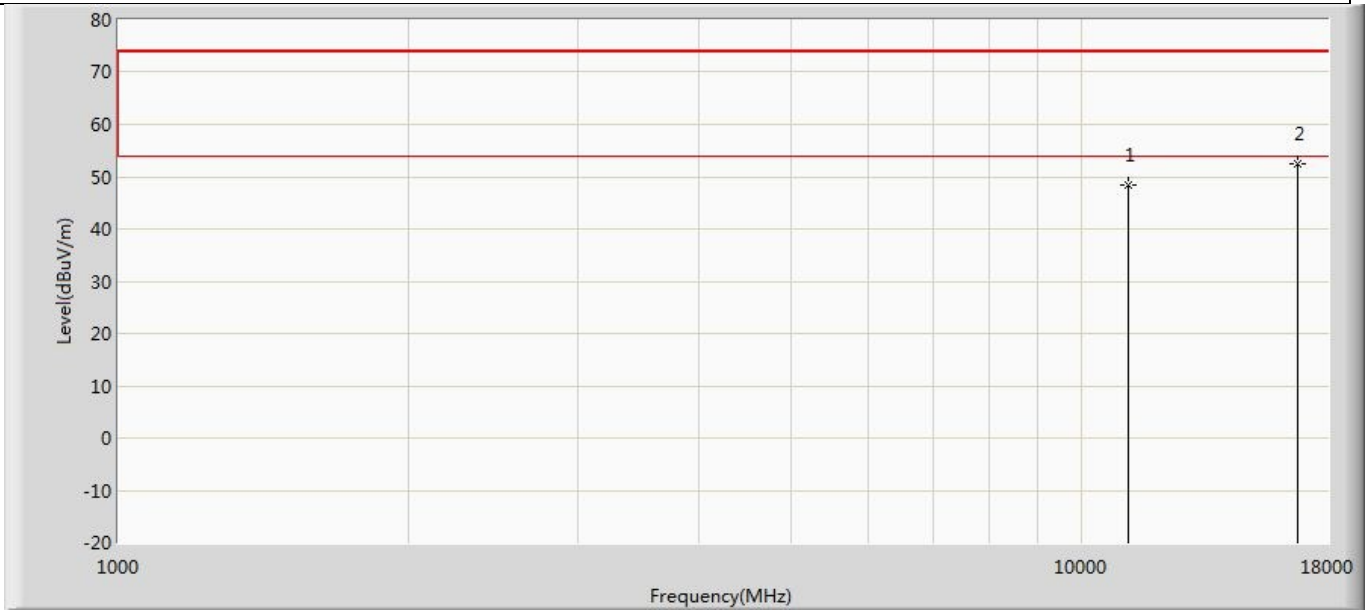
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.113	49.001	-26.887	74.000	-1.888	PK
2	*	16500.000	52.514	47.581	-21.486	74.000	4.933	PK

Profile: 23A0637R	Page No.: 247
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5580MHz by 802.11ac(20MHz) with Ant2	



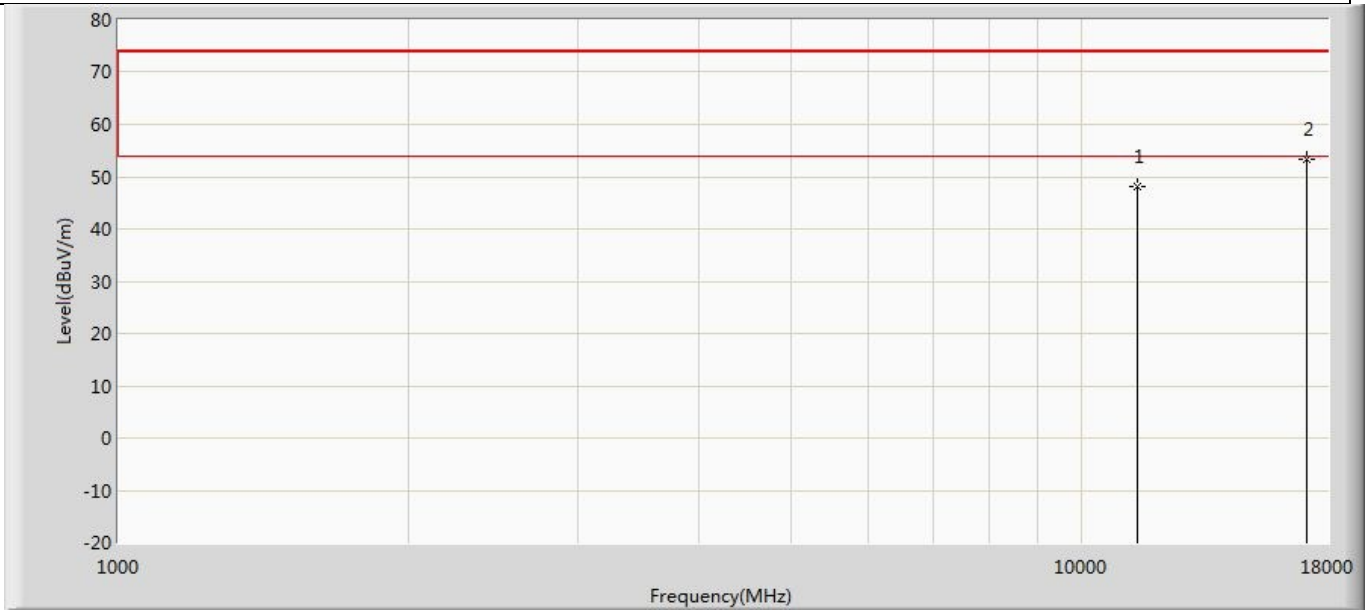
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	48.437	49.622	-25.563	74.000	-1.185	PK
2	*	16740.000	52.969	48.911	-21.031	74.000	4.058	PK

Profile: 23A0637R	Page No.: 248
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5580MHz by 802.11ac(20MHz) with Ant2	



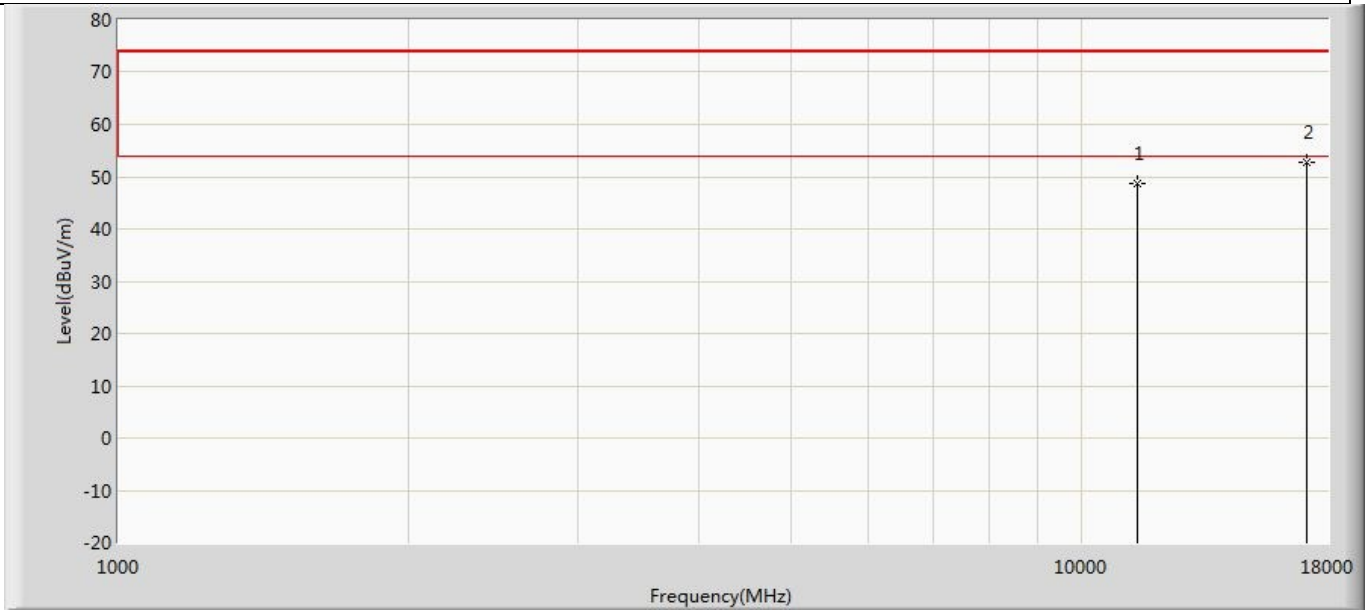
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	48.267	49.452	-25.733	74.000	-1.185	PK
2	*	16740.000	52.352	48.294	-21.648	74.000	4.058	PK

Profile: 23A0637R	Page No.: 249
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5700MHz by 802.11ac(20MHz) with Ant2	



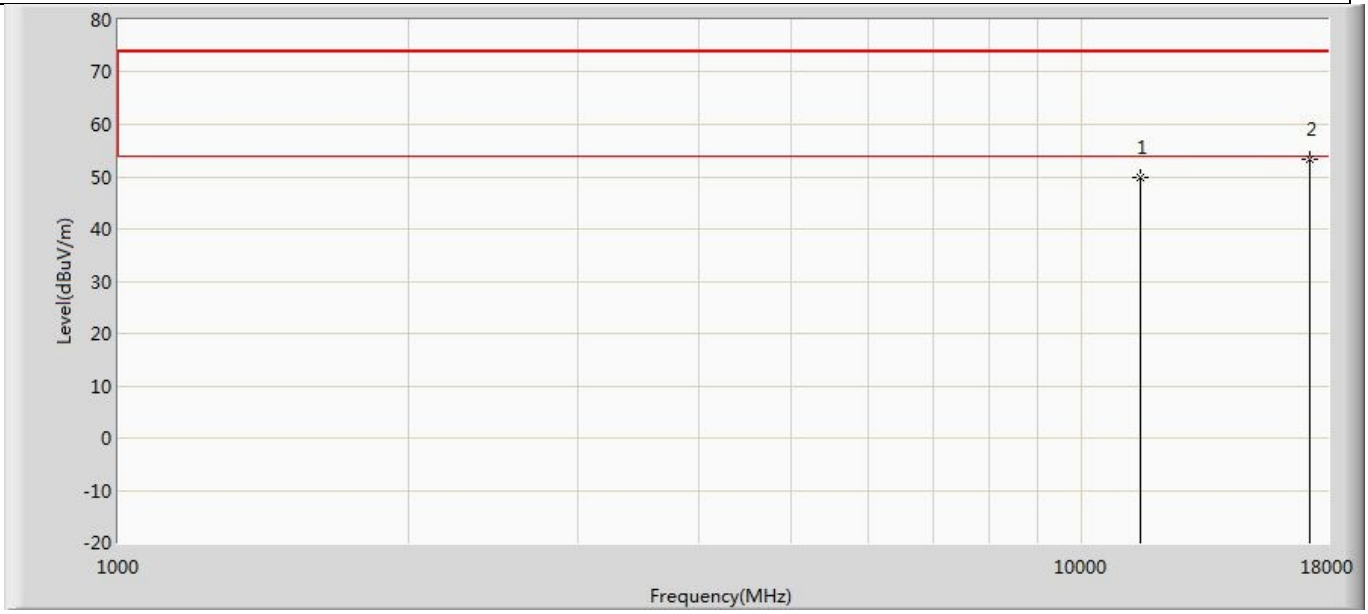
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	48.038	49.080	-25.962	74.000	-1.042	PK
2	*	17100.000	53.442	48.655	-20.558	74.000	4.787	PK

Profile: 23A0637R	Page No.: 250
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5700MHz by 802.11ac(20MHz) with Ant2	



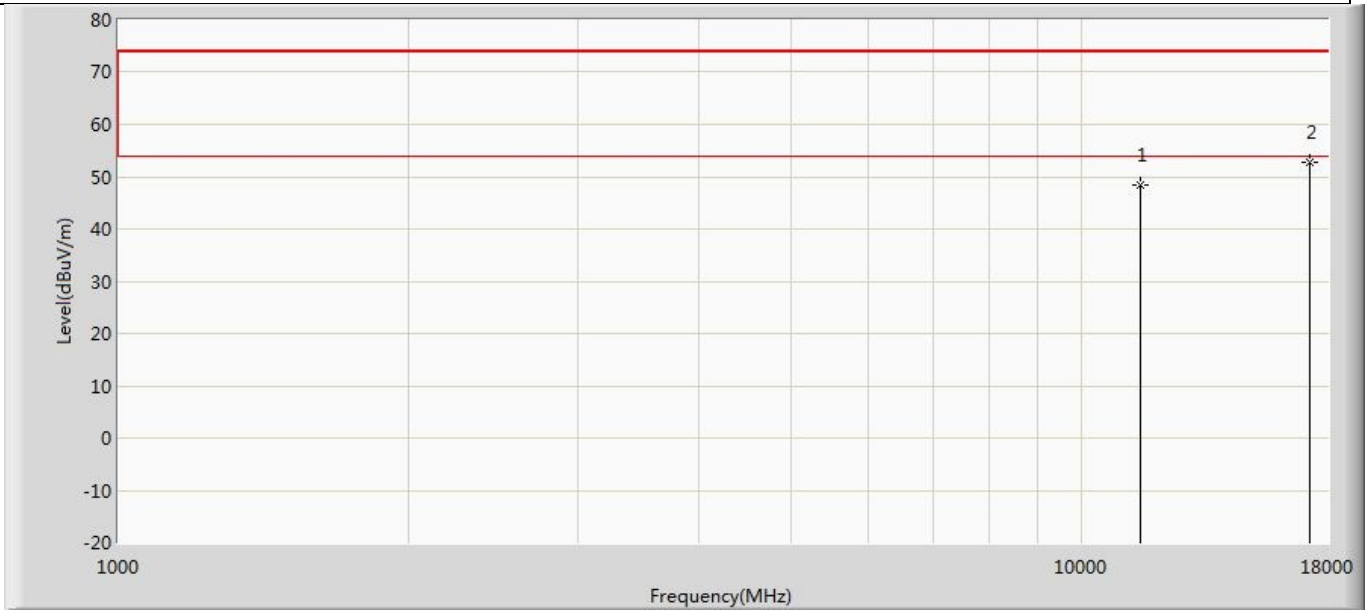
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	48.613	49.655	-25.387	74.000	-1.042	PK
2	*	17100.000	52.810	48.023	-21.190	74.000	4.787	PK

Profile: 23A0637R	Page No.: 251
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5745MHz by 802.11ac(20MHz) with Ant2	



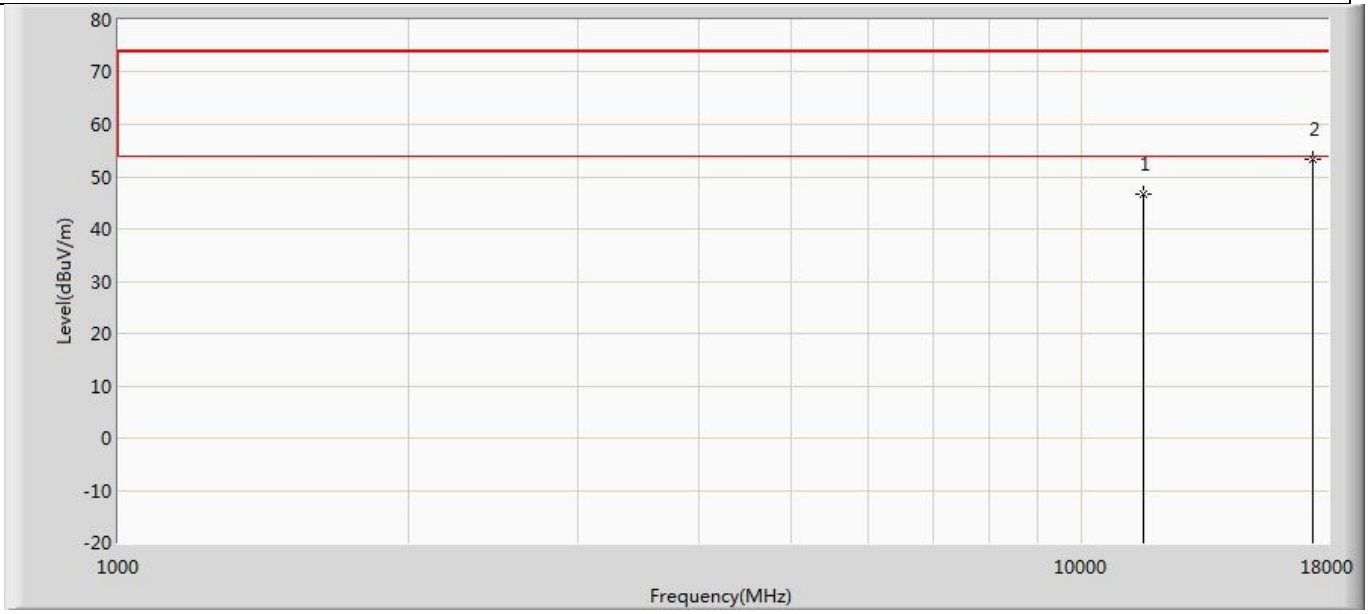
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	49.860	50.384	-24.140	74.000	-0.524	PK
2	*	17235.000	53.459	48.022	-20.541	74.000	5.437	PK

Profile: 23A0637R	Page No.: 252
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5745MHz by 802.11ac(20MHz) with Ant2	



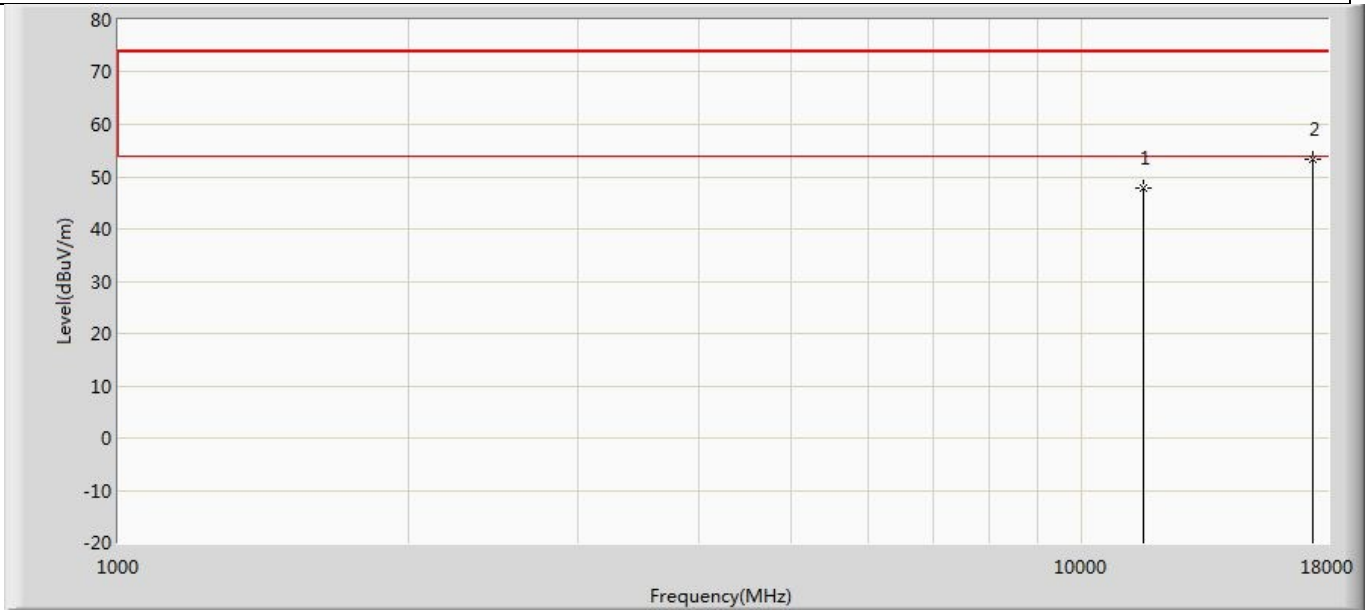
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	48.270	48.794	-25.730	74.000	-0.524	PK
2	*	17235.000	52.759	47.322	-21.241	74.000	5.437	PK

Profile: 23A0637R	Page No.: 253
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5785MHz by 802.11ac(20MHz) with Ant2	



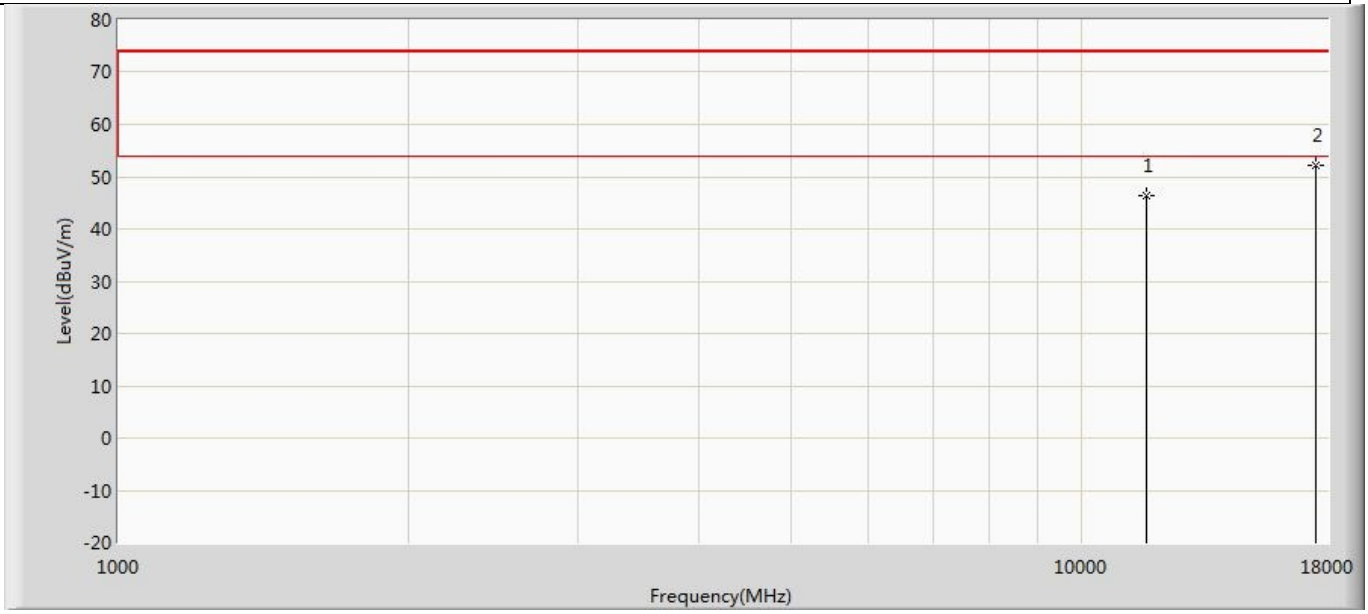
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.801	47.990	-27.199	74.000	-1.189	PK
2	*	17355.000	53.302	48.840	-20.698	74.000	4.461	PK

Profile: 23A0637R	Page No.: 254
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5785MHz by 802.11ac(20MHz) with Ant2	



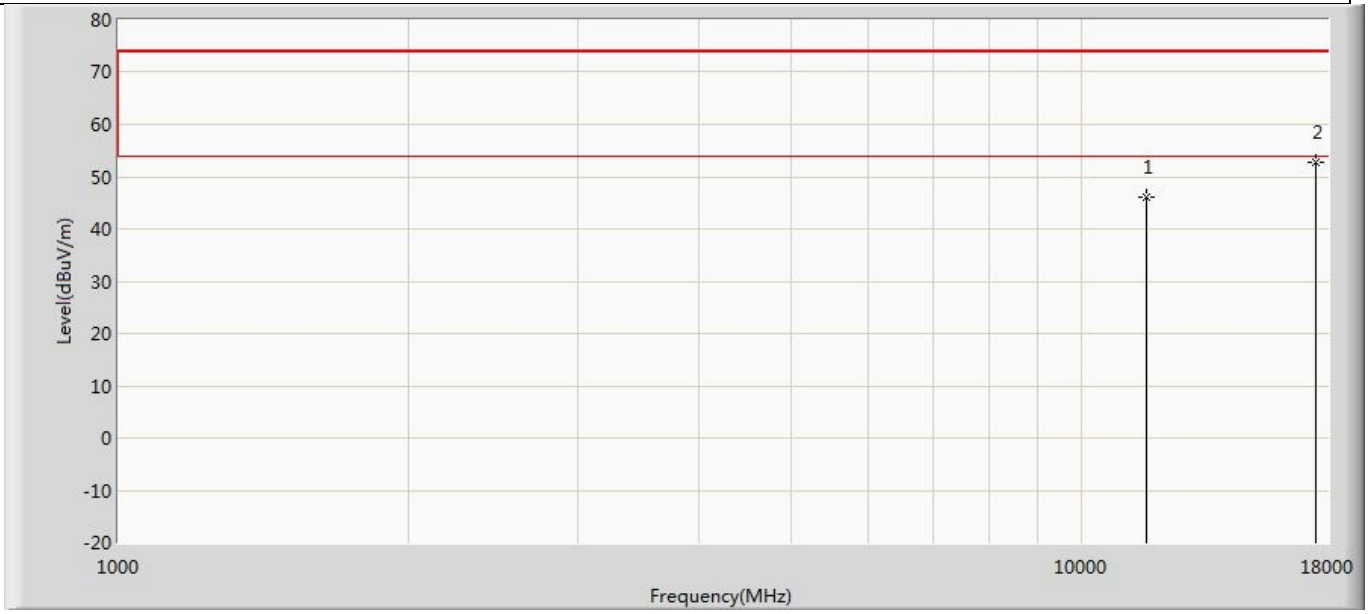
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	47.728	48.917	-26.272	74.000	-1.189	PK
2	*	17355.000	53.272	48.810	-20.728	74.000	4.461	PK

Profile: 23A0637R	Page No.: 255
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5825MHz by 802.11ac(20MHz) with Ant2	



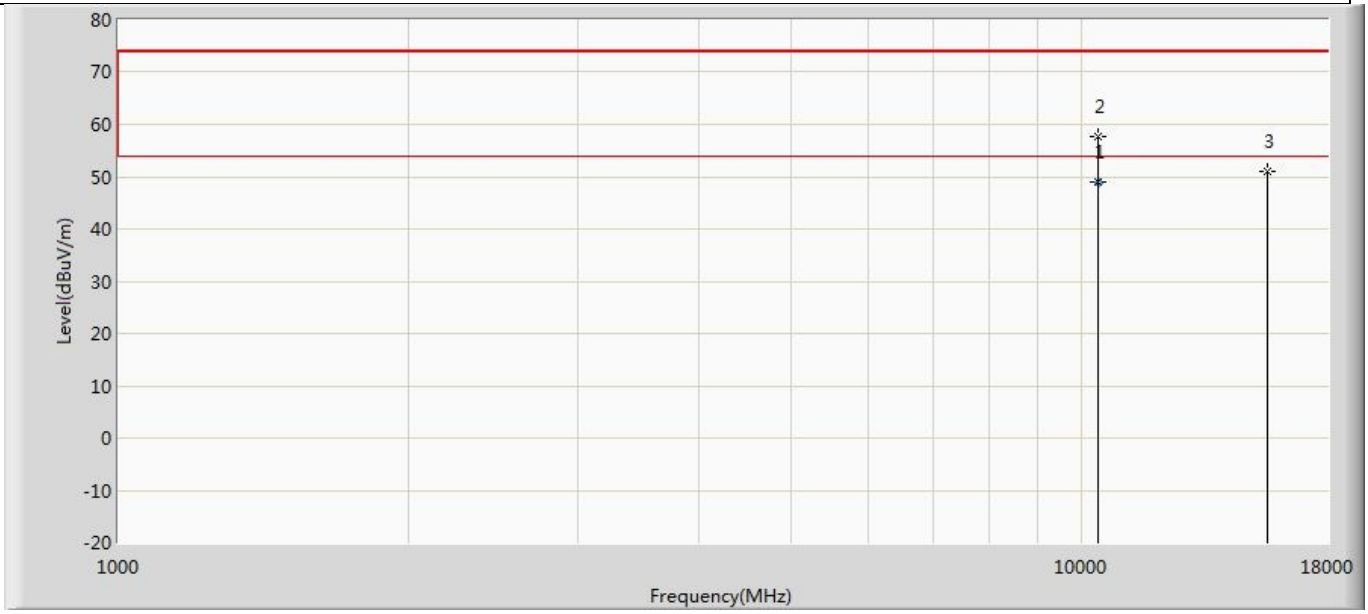
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.359	48.035	-27.641	74.000	-1.676	PK
2	*	17475.000	52.234	48.040	-21.766	74.000	4.195	PK

Profile: 23A0637R	Page No.: 256
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5825MHz by 802.11ac(20MHz) with Ant2	



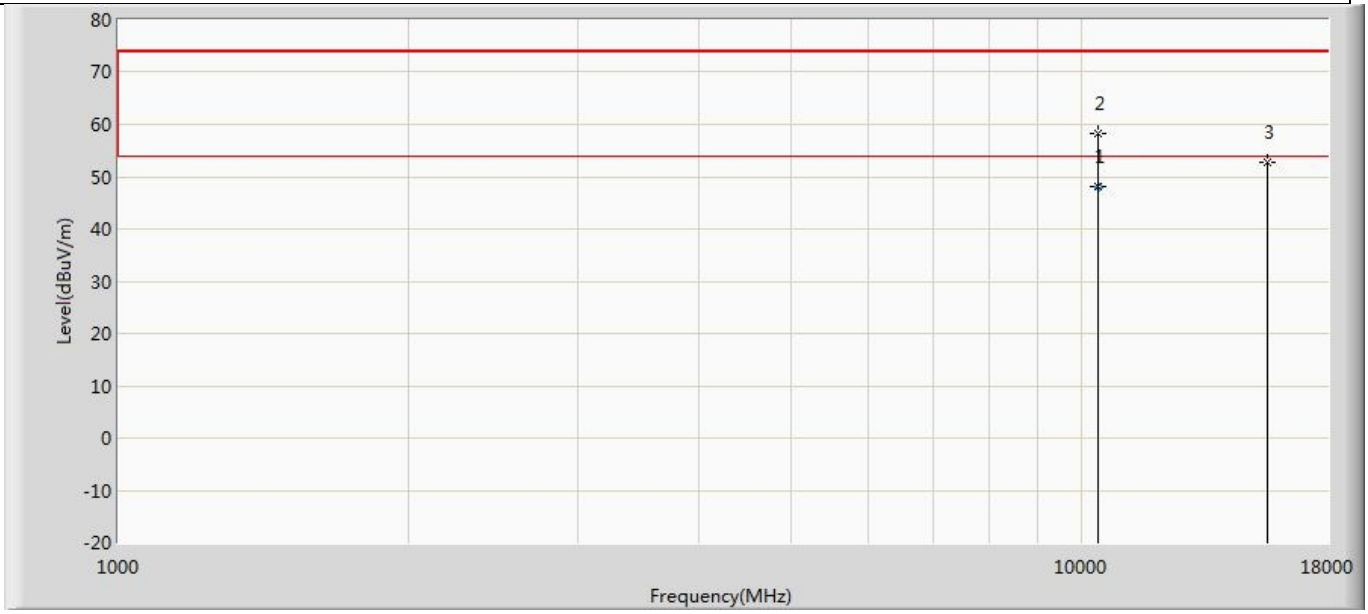
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	46.172	47.848	-27.828	74.000	-1.676	PK
2	*	17475.000	52.898	48.704	-21.102	74.000	4.195	PK

Profile: 23A0637R	Page No.: 257
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5190MHz by 802.11ac(40MHz) with Ant	



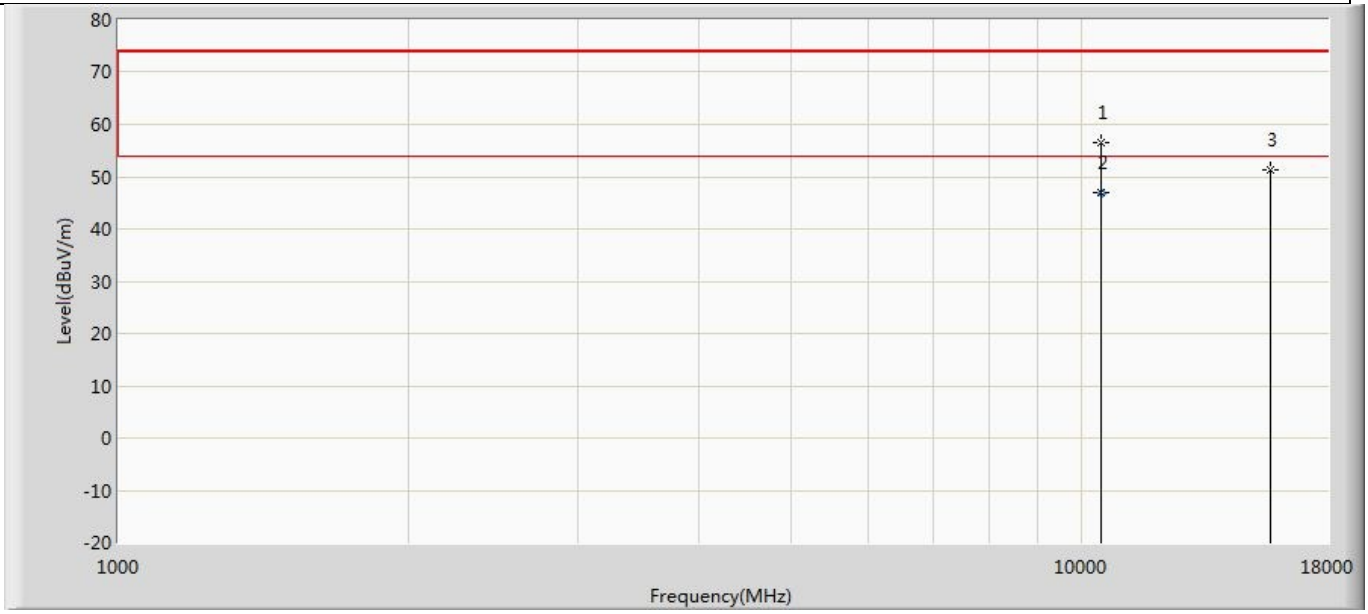
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10380.000	49.097	52.302	-4.903	54.000	-3.205	AV
2		10384.000	57.770	60.985	-16.230	74.000	-3.215	PK
3		15570.000	50.907	50.613	-23.093	74.000	0.294	PK

Profile: 23A0637R	Page No.: 258
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5190MHz by 802.11ac(40MHz) with Ant2	



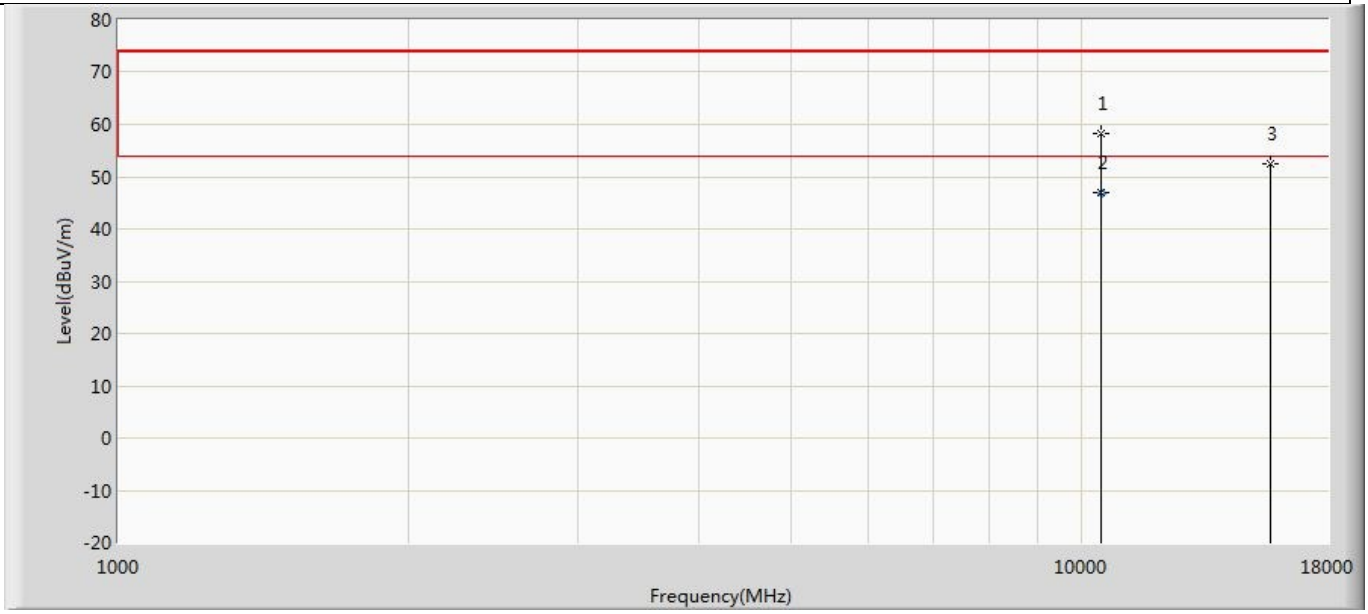
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10380.000	48.097	51.302	-5.903	54.000	-3.205	AV
2		10384.000	58.289	61.504	-15.711	74.000	-3.215	PK
3		15570.000	52.629	52.335	-21.371	74.000	0.294	PK

Profile: 23A0637R	Page No.: 259
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5230MHz by 802.11ac(40MHz) with Ant2	



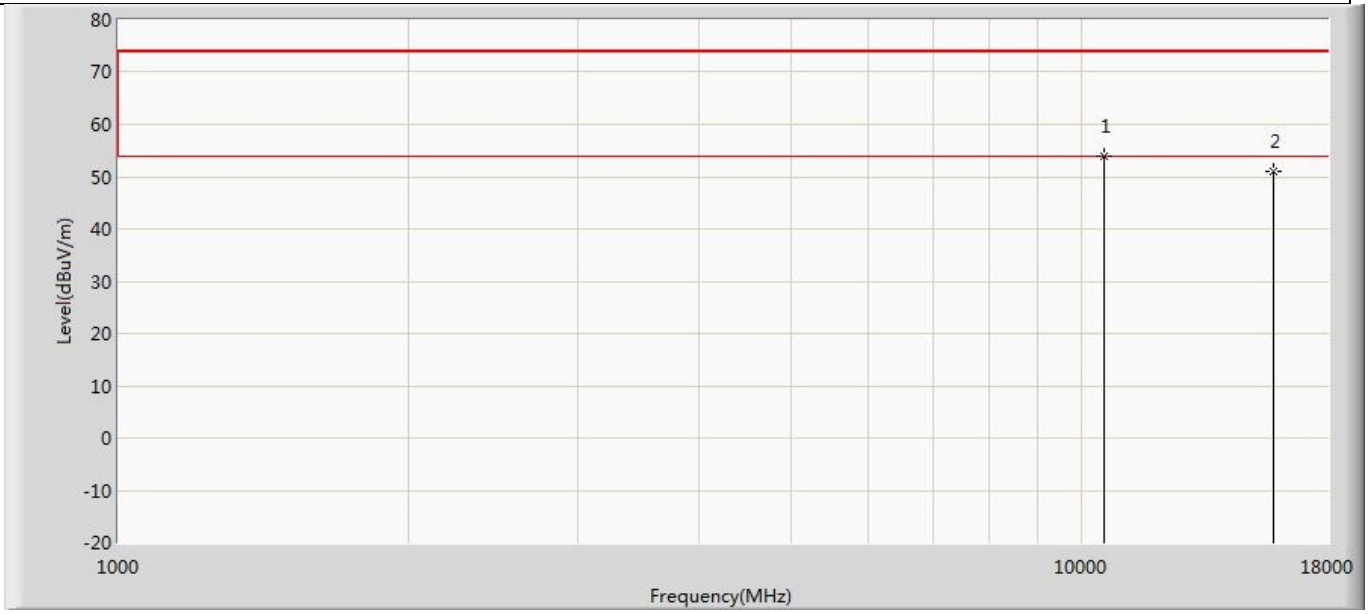
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10452.000	56.386	59.719	-17.614	74.000	-3.333	PK
2	*	10460.000	46.891	50.231	-7.109	54.000	-3.341	AV
3		15690.000	51.375	51.099	-22.625	74.000	0.276	PK

Profile: 23A0637R	Page No.: 260
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5230MHz by 802.11ac(40MHz) with Ant2	



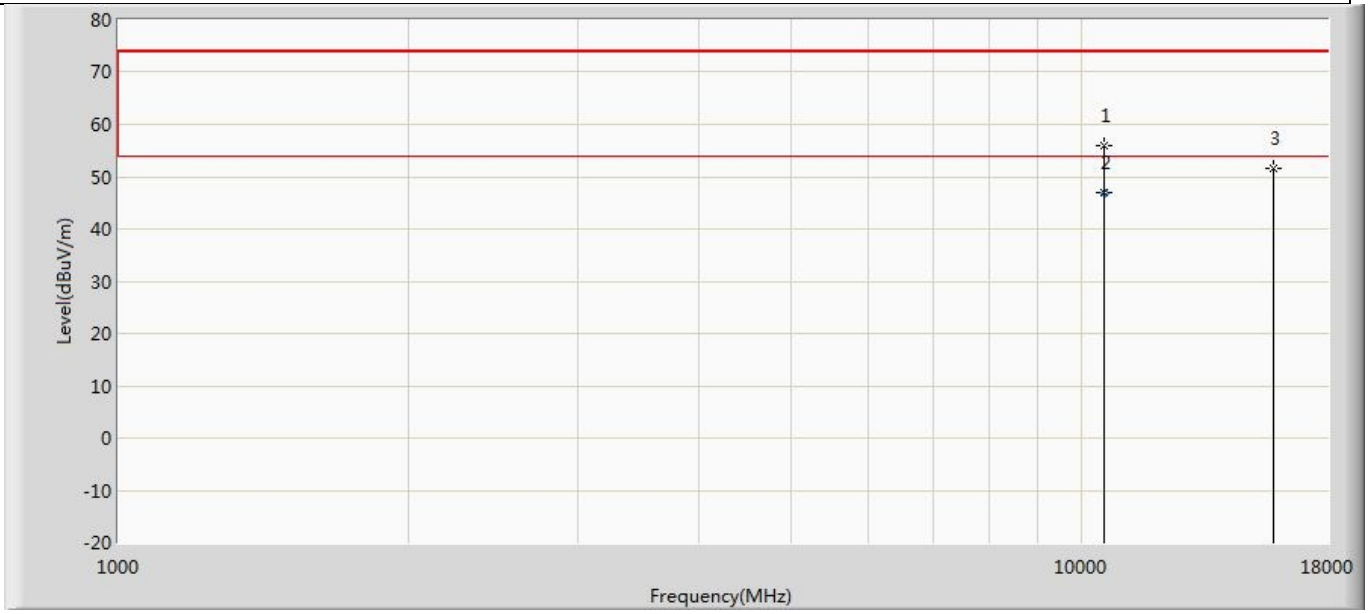
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10452.000	58.128	61.461	-15.872	74.000	-3.333	PK
2	*	10460.000	46.909	50.249	-7.091	54.000	-3.341	AV
3		15690.000	52.481	52.205	-21.519	74.000	0.276	PK

Profile: 23A0637R	Page No.: 261
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5270MHz by 802.11ac(40MHz) with Ant2	



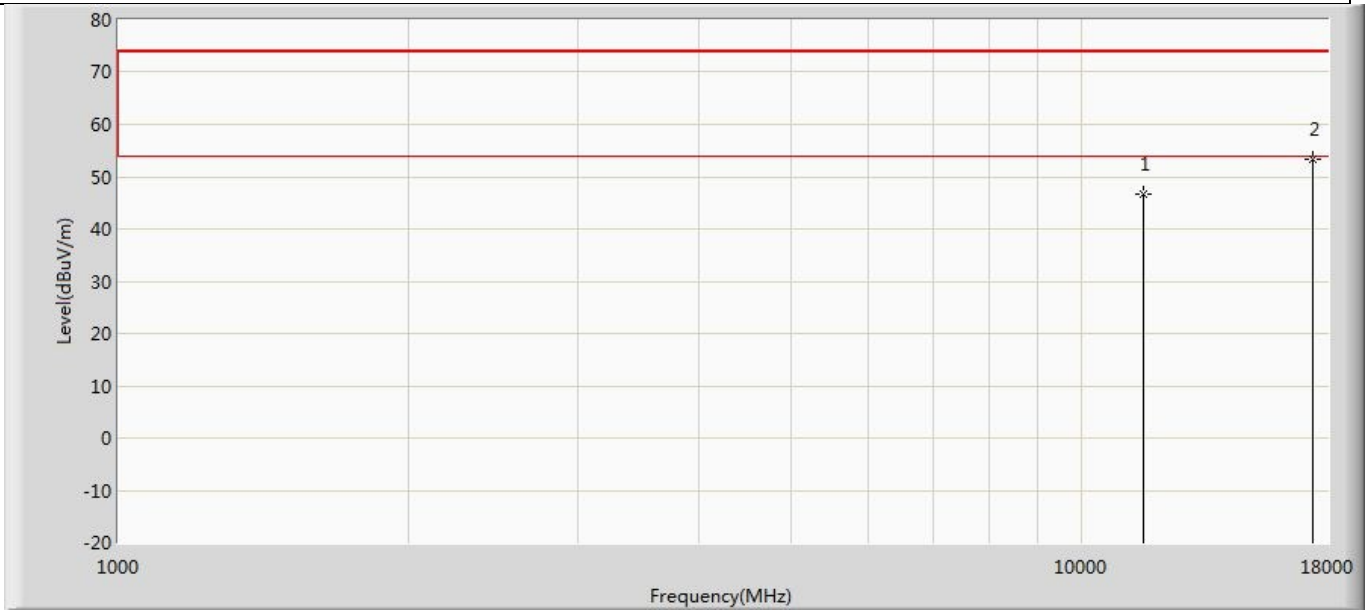
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	10537.000	53.799	57.037	-20.201	74.000	-3.238	PK
2		15810.000	51.017	49.951	-22.983	74.000	1.066	PK

Profile: 23A0637R	Page No.: 262
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 5：Transmit at 5270MHz by 802.11ac(40MHz) with Ant2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10537.000	55.890	59.128	-18.110	74.000	-3.238	PK
2	*	10540.000	46.899	50.109	-7.101	54.000	-3.210	AV
3		15810.000	51.474	50.408	-22.526	74.000	1.066	PK

Profile: 23A0637R	Page No.: 263
Engineer: Pengcheng Yang	
Site: AC5	Time: 2023/11/30 - 03:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IEEE 802.11 a/b/g/n/ac/ax 2T/2R+ Bluetooth V2.1/4.2/5.2	Power: 5 Vdc
Note: Mode 4：Transmit at 5785MHz by 802.11ac(20MHz) with Ant2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	46.801	47.990	-27.199	74.000	-1.189	PK
2	*	17355.000	53.302	48.840	-20.698	74.000	4.461	PK