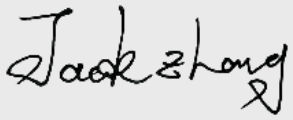
DEKRA Testing and Certification (Suzhou) Co., Ltd.
No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098

Test report No:
2390387R-RF-US-P09V02

FCC TEST REPORT

Product Name	POS
Model and /or type reference	EMC-M100
Trademark	Elo
FCC ID	RBWEMCM100
IC	10757B-EMCM100
Applicant´s name / address	Elo Touch Solutions, Inc 670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Test method requested, standard	47 CFR FCC Part 15 (Section 15.407) ANSI C63.10: 2013 RSS-Gen Issue 5 RSS-247 Issue 3
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Jun Xu/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2024-05-23
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)	Dec. 26, 2023
Date (start test)	Dec. 29, 2023
Date (finish test)	Feb. 22, 2024

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.
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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
2390387R-RF-US-P09V01	V1.0	Initial issue of report.	2024-05-23

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), RSS-247 Issue 3.
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
RF Control Unit	Tonscend	JS0806-2	22G8060594	2024.01.31	2025.01.30	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	2023.11.08	2024.11.07	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	2023.09.13	2024.09.12	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	00167055	2023.09.16	2024.09.15	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	ROSENBERGER	LA1-C011-2000/3000	AC5-40G	2023.03.04	2024.03.03	N/A	N/A
Coaxial Cable	ROSENBERGER	LA1-C011-2000/3000	AC5-40G-2	2023.05.21	2024.05.20	N/A	N/A
Cable	Rosenberger	LA1-C011-1000	0523	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

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 .....:	POS
Model No. .....:	EMC-M100
Trademark. .....:	Elo
FCC ID.....:	RBWEMCM100
IC .....:	10757B-EMCM100
Hardware Version.....:	V1.00
Software Version .....:	T14
Manufacturer .....:	Elo Touch Solutions, Inc
Manufacturer Address .....:	670 N. McCarthy Blvd., Suite 100, Milpitas, CA 95035, USA.
Factory.....:	ShuoGe Intelligent Technology Co.,Ltd.
Factory address.....:	Room 308-310, Building 1, No.2 8th Road, Baiyang Street, Qiantang New Area,Hangzhou City, Zhejiang Province, P.R. China(310018)
Note: This report is based on 2390387R-RF-US-P09V01. The customer stated that the new EUT has removed the WCDMA and LTE modules and the rest are identical. We verified the worst channel test on the new EUT and the test results did not get worse. Therefore, this report reuses the test data of 2390387R-RF-US-P09V01.	

Wireless specifiction.....:	WIFI For FCC					
Transmit modes.....:	☒	802.11a	☒	802.11n(20MHz)	☒	802.11n(40MHz)
	☒	802.11ac(20MHz)	☒	802.11ac(40MHz)	☒	802.11ac(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(20MHz):5260MHz~5320Mz 802.11n/ac(40MHz):5270MHz~5310Mz 802.11ac(80MHz):5290Mz				
	☒	802.11a/n/ac(20MHz):5500MHz~5700MHz 802.11n/ac(40MHz):5510MHz~5670Mz 802.11ac(80MHz):5530~5610Mz				
	☒	802.11a/n/ac(20MHz):5745MHz~5825MHz 802.11n/ac(40MHz):5755MHz~5805Mz 802.11ac(80MHz):5775Mz				
Type of Modulation & Data Rate ....:	Refer to Clause 1.4					
Number of channels .....:	802.11a/n/ac(20MHz): 24 802.11n/ac(40MHz): 11 802.11ac(80MHz): 5					

Wireless specifiction.....:	WIFI for ISED					
Transmit modes.....:	☒	802.11a	☒	802.11n(20MHz)	☒	802.11n(40MHz)
	☒	802.11ac(20MHz)	☒	802.11ac(40MHz)	☒	802.11ac(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(20MHz):5260MHz~5320Mz 802.11n/ac(40MHz):5270MHz~5310Mz 802.11ac(80MHz):5290Mz				
	☒	802.11a/n/ac(20MHz):5500MHz~5580MHz, 5660MHz~5700MHz 802.11n/ac(40MHz):5510MHz~5550MHz, 5670Mz 802.11ac(80MHz):5530, 5610Mz				
	☒	802.11a/n/ac(20MHz):5745MHz~5825MHz 802.11n/ac(40MHz):5755MHz~5805Mz 802.11ac(80MHz):5775Mz				
Type of Modulation & Data Rate .... :	Refer to Clause 1.4					
Number of channels .....:	802.11a/n/ac(20MHz): 21 802.11n/ac(40MHz): 11 802.11ac(80MHz): 4					

Rated power supply..... :	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 100 - 240 V, 50/60 Hz
	☐	DC: 24 Vdc
	☐	Poe:
	☒	Adapter:
Adapter Model ..... :	UES45LCP-SPC	
	Input: 100-240V ~ 50/60Hz,1.3A Output: 5.0V/3.0A,15.0W; 9.0V/3.0A, 27.0W; 12.0V/3.0A,36.0W; 15V/3.0A,45W; 20V/2.25A,45W Max	
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.....:	☒	SISO			
	☒	MIMO	☒	CDD	
			☐	Beam-forming	
Antenna Type .....:	☐	External	☐	Dipole	
			☐	Sectorized	
	☒	Internal	☐	PIFA	
			☒	FPC	
			☐	Others……..	

SISO Antenna Gain.....:	Antenna1:	5150-5250: -0.05 dBi 5250-5350: 1.37 dBi 5470-5725: 2.58 dBi 5725-5850: 1.30 dBi
	Antenna2:	5150-5250: 2.81 dBi 5250-5350: 2.59 dBi 5470-5725: 2.67 dBi 5725-5850: 2.89 dBi
CDD directional gain .....:	For Power:	5150-5250: 2.81 dBi 5250-5350: 2.59 dBi 5470-5725: 2.67 dBi 5725-5850: 2.89 dBi
	For PSD:	5150-5250: 5.82 dBi 5250-5350: 5.60 dBi 5470-5725: 5.68 dBi 5725-5850: 5.90 dBi

1.3 Channel List

For FCC:

802.11a/n/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	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(40MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	151	5755 MHz	159	5795 MHz	N/A	N/A
802.11ac(80MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530MHz	122	5610 MHz
138	5690 MHz	155	5775 MHz	N/A	N/A	N/A	N/A

For ISED:

IEEE 802.11a/n/ac(20MHz) Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz	48	5240 MHz
52	5260 MHz	56	5280 MHz	60	5300 MHz	64	5320 MHz
100	5500 MHz	104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	132	5660 MHz	136	5680 MHz	140	5700 MHz
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
IEEE 802.11n/ac(40MHz)Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz	62	5310 MHz
102	5510 MHz	110	5550 MHz	134	5670 MHz	151	5755 MHz
159	5795 MHz	N/A	N/A	N/A	N/A	N/A	N/A
IEEE 802.11ac(80MHz)Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz	155	5775 MHz

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
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)

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.

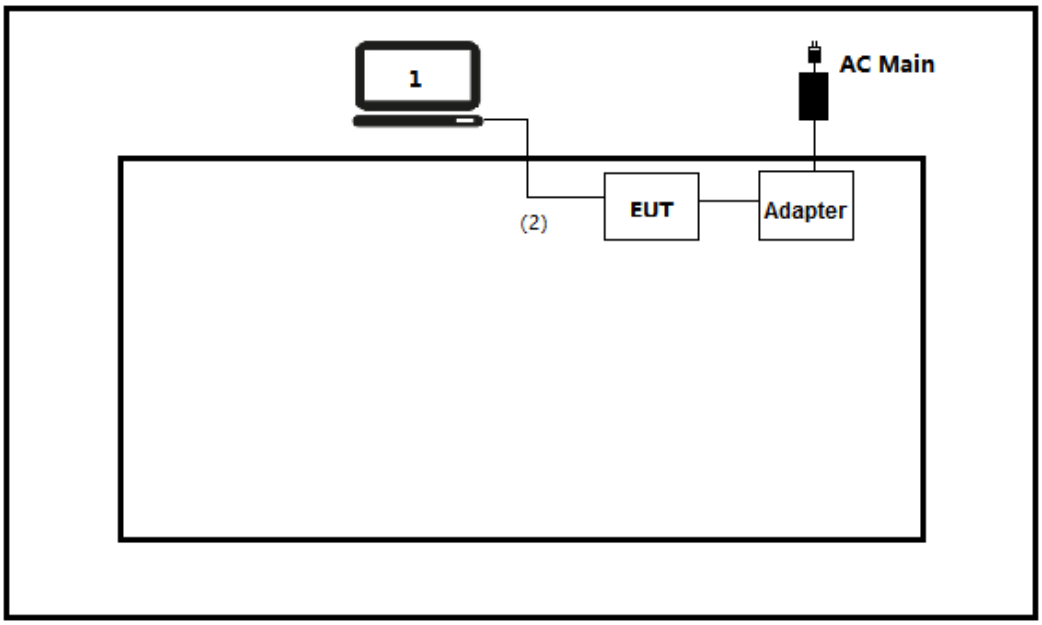
2.2 Auxiliary equipment / Test software for the EUT

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
QRCT	V4.0	N/A	N/A

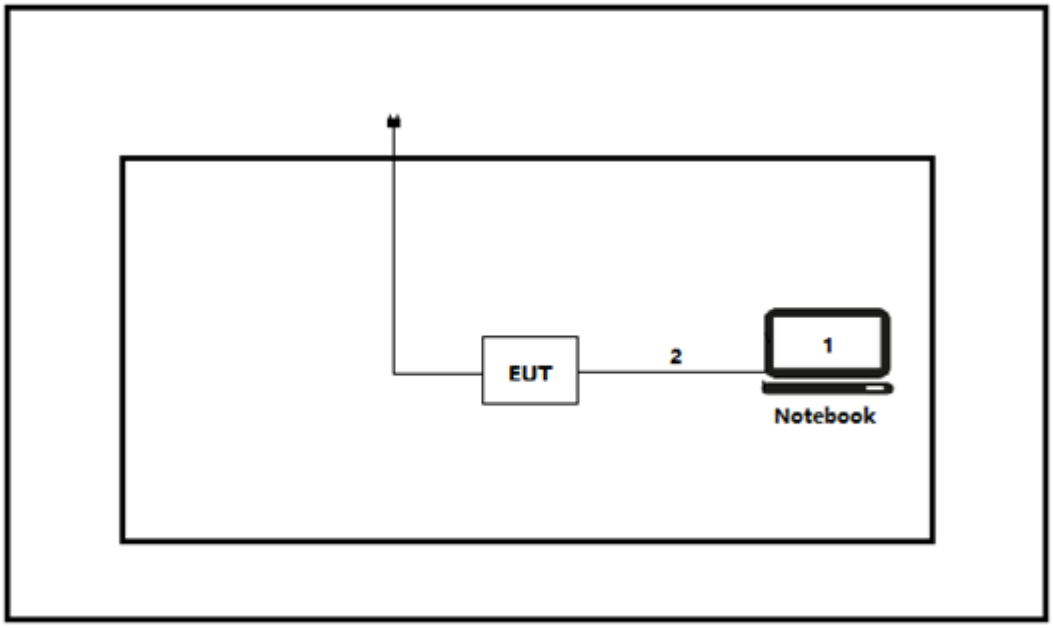
Accessories Information	Cable		
	Length used during test [m]	Attached during test	Shielded
(2)USB Control Cable	1	☒	☒
(3)USB Control Cable	8	☒	☒

2.3 Test Configuration / Block diagram used for tests

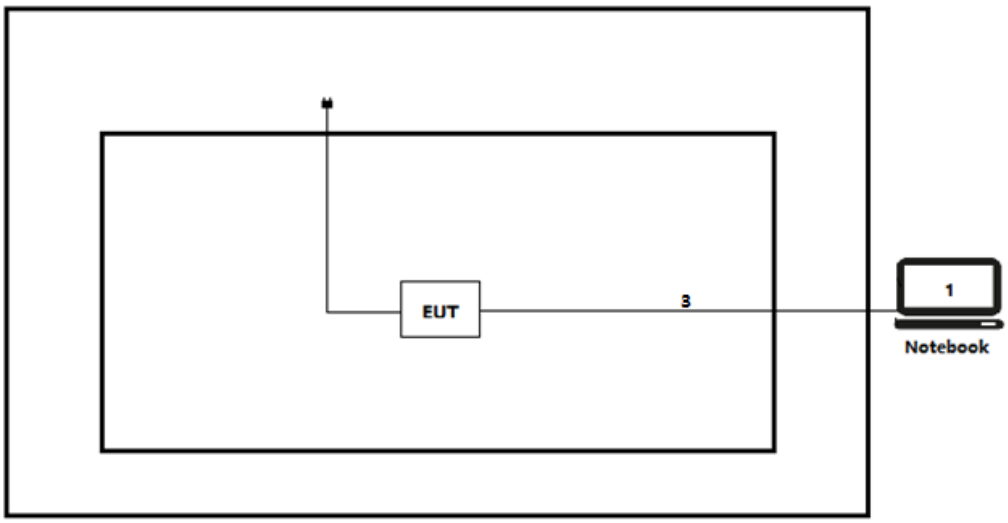
Test setup Diagram- AC Line Conducted Emission Test



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 “QRCT” 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	2024	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	PASS	Test data please refer to **Appendix A**
Radiated Emission	FCC CFR Title 47 Part 15 Subpart E: Section 15.209	PASS	Test data please refer to **Appendix B**
Emission bandwidth and occupied bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix C**
6dB Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(e)	PASS	Test data please refer to **Appendix D**
Duty cycle	ANSI C63.10:2013	PASS	Test data please refer to **Appendix E**
Power Output	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix F**
Peak Power Spectral Density	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(a)	PASS	Test data please refer to **Appendix G**
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 H**
Frequency Stability	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(g)	PASS	Test data please refer to **Appendix I**
Dynamic Frequency Selection (DFS)	FCC CFR Title 47 Part 15 Subpart E: Section 15.407(h)	PASS	Test report please refer to **2390387R-RF-US-DFS-P09V04**
Antenna Requirement	FCC 15.203	PASS	---

Requirement – Test case of ISED	Basic standard(s)	Verdict	Remark
Conducted Emission	RSS-Gen Issue 5: Section 8.8	PASS	Test data please refer to **Appendix A**
Radiated Emission	RSS-Gen Issue 5: Section 8.9 RSS-247 Issue 3: Section 6.2	PASS	Test data please refer to **Appendix B**
Emission bandwidth and occupied bandwidth	RSS-Gen Issue 5: Section 6.7 RSS-247 Issue 3: Section 6.2.4	PASS	Test data please refer to **Appendix C**
6dB Emission Bandwidth	RSS-Gen Issue 5: Section 6.7 RSS-247 Issue 3: Section 6.2.4	PASS	Test data please refer to **Appendix D**
Duty cycle	ANSI C63.10:2013	PASS	Test data please refer to **Appendix E**
Power Output	RSS-247 Issue 3: Section 6.2	PASS	Test data please refer to **Appendix F**
Peak Power Spectral Density	RSS-247 Issue 3: Section 6.2	PASS	Test data please refer to **Appendix G**
Band Edge	RSS-Gen Issue 5: Section 8.10	PASS	Test data please refer to **Appendix H**
Frequency Stability	RSS-Gen Issue 5: Section 6.11	PASS	Test data please refer to **Appendix I**
Dynamic Frequency Selection (DFS)	RSS-247 Issue 3: Section 6.3	PASS	Test report please refer to **2390387R-RF-US-DFS-P09V04**
Antenna Requirement	RSS-Gen Issue 5 Section 6.8	PASS	---

3.4 Power setting in test

Power setting for FCC:					
Mode	Channel	Frequency (MHz)	Power setting		
			SISO:ANT1	SISO:ANT2	CDD:ANT1+2
802.11a	36	5180	15.5	15.5	N/A
	44	5220	16.0	14.5	N/A
	48	5240	16.5	15.0	N/A
	52	5260	16.0	14.5	N/A
	60	5300	14.0	15.0	N/A
	64	5320	14.5	15.0	N/A
	100	5500	14.5	15.0	N/A
	116	5580	15.5	14.0	N/A
	140	5700	14.0	16.0	N/A
	149	5745	14.0	14.0	N/A
	157	5785	15.0	13.5	N/A
	165	5825	15.5	13.5	N/A
802.11n(20MHz)	36	5180	13.5	14.0	13.5
	44	5220	14.0	12.5	12.5
	48	5240	14.5	13.0	12.5
	52	5260	14.5	12.0	12.0
	60	5300	12.5	13.0	12.5
	64	5320	13.0	13.0	13.0
	100	5500	13.0	13.0	13.0
	116	5580	13.5	12.0	11.5
	140	5700	12.0	14.0	12.0
	149	5745	12.0	12.0	11.5
	157	5785	13.0	11.5	11.5
	165	5825	14.0	11.5	11.5
802.11n(40MHz)	38	5190	13.0	13.0	13.0
	46	5230	13.5	12.0	11.5
	54	5270	13.0	11.5	11.5
	62	5310	12.0	12.5	12.0
	102	5510	11.5	12.0	11.5
	118	5590	13.0	12.0	11.5
	134	5670	12.0	13.5	11.5
	151	5755	11.5	11.0	11.0
	159	5795	12.5	10.5	10.5

802.11ac(20MHz)	36	5180	13.5	14.0	13.5
	44	5220	14.0	12.5	12.5
	48	5240	14.5	13.0	12.5
	52	5260	14.5	12.0	12.0
	60	5300	12.5	13.0	12.5
	64	5320	13.0	13.0	13.0
	100	5500	13.0	13.0	13.0
	116	5580	13.5	12.0	11.5
	140	5700	12.0	14.0	12.0
	149	5745	12.0	12.0	12.0
	157	5785	13.0	11.5	11.5
	165	5825	14.0	11.5	11.5
802.11ac(40MHz)	38	5190	13.0	13.0	13.0
	46	5230	13.5	12.0	11.5
	54	5270	13.0	11.5	11.5
	62	5310	12.0	12.5	12.0
	102	5510	11.5	12.0	11.5
	118	5590	13.0	12.0	11.5
	134	5670	12.0	13.5	12.0
	151	5755	11.5	11.0	10.5
	159	5795	12.5	10.5	10.5
802.11ac(80MHz)	42	5210	14.0	13.0	12.5
	58	5290	12.5	12.5	12
	106	5530	12.5	12.5	12
	155	5775	13.0	12.5	12

Power setting for ISED:					
Mode	Channel	Frequency (MHz)	Power setting		
			ANT1	ANT2	ANT1+2
802.11a	36	5180	15.5	15.5	N/A
	44	5220	16.0	14.5	N/A
	48	5240	16.5	15.0	N/A
	52	5260	16.0	14.5	N/A
	60	5300	14.0	15.0	N/A
	64	5320	14.5	15.0	N/A
	100	5500	14.5	15.0	N/A
	116	5580	15.5	14.0	N/A
	140	5700	14.0	16.0	N/A
	149	5745	14.0	14.0	N/A
	157	5785	15.0	13.5	N/A
	165	5825	15.5	13.5	N/A
802.11n(20MHz)	36	5180	13.5	14.0	11.5
	44	5220	14.0	12.5	10.5
	48	5240	14.5	13.0	10.5
	52	5260	14.5	12.0	12.0
	60	5300	12.5	13.0	12.5
	64	5320	13.0	13.0	13.0
	100	5500	13.0	13.0	13.0
	116	5580	13.5	12.0	11.5
	140	5700	12.0	14.0	12.0
	149	5745	12.0	12.0	11.5
	157	5785	13.0	11.5	11.5
	165	5825	14.0	11.5	11.5
802.11n(40MHz)	38	5190	13.0	13.0	13.0
	46	5230	13.5	12.0	11.5
	54	5270	13.0	11.5	11.5
	62	5310	12.0	12.5	12.0
	102	5510	11.5	12.0	11.5
	118	5590	13.0	12.0	11.5
	134	5670	12.0	13.5	11.5
	151	5755	11.5	11.0	11.0
	159	5795	12.5	10.5	10.5

802.11ac(20MHz)	36	5180	13.5	14.0	11.5
	44	5220	14.0	12.5	10.5
	48	5240	14.5	13.0	10.5
	52	5260	14.5	12.0	12.0
	60	5300	12.5	13.0	12.5
	64	5320	13.0	13.0	13.0
	100	5500	13.0	13.0	13.0
	116	5580	13.5	12.0	11.5
	140	5700	12.0	14.0	12.0
	149	5745	12.0	12.0	12.0
	157	5785	13.0	11.5	11.5
	165	5825	14.0	11.5	11.5
802.11ac(40MHz)	38	5190	13.0	13.0	13.0
	46	5230	13.5	12.0	11.5
	54	5270	13.0	11.5	11.5
	62	5310	12.0	12.5	12.0
	102	5510	11.5	12.0	11.5
	118	5590	13.0	12.0	11.5
	134	5670	12.0	13.5	12.0
	151	5755	11.5	11.0	10.5
	159	5795	12.5	10.5	10.5
802.11ac(80MHz)	42	5210	14.0	13.0	12.5
	58	5290	12.5	12.5	12
	106	5530	12.5	12.5	12
	155	5775	13.0	12.5	12

3.5 Test Matrix

Test item	Mode：EMC-M100	
	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**
CA	**:**	**ISED CAB identifier: CN0040**

4 TEST RESULTS

4.1 AC Power Line Conducted Emission	VERDICT: PASS

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

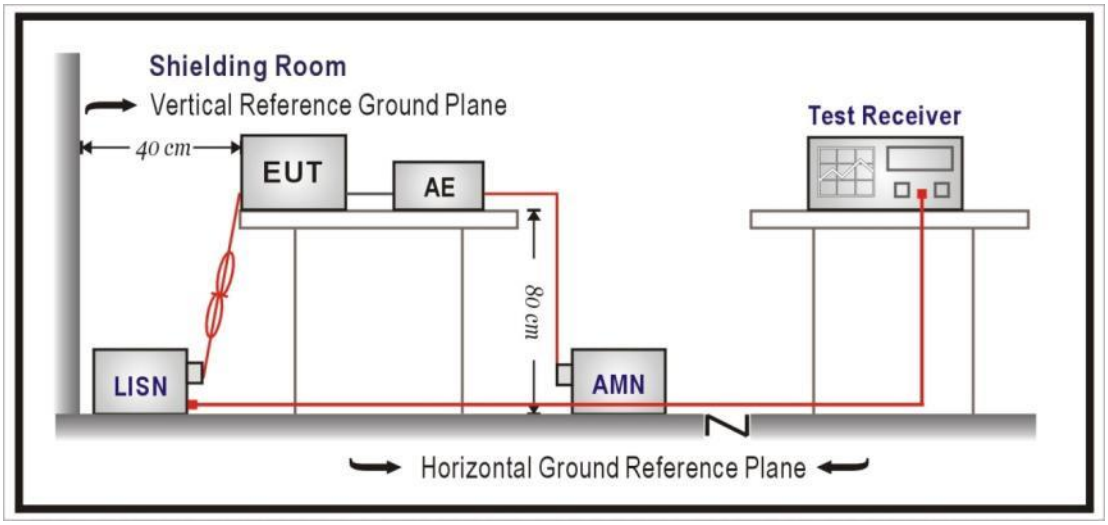
[1)] At the transition frequency, the lower limit applies.

[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)

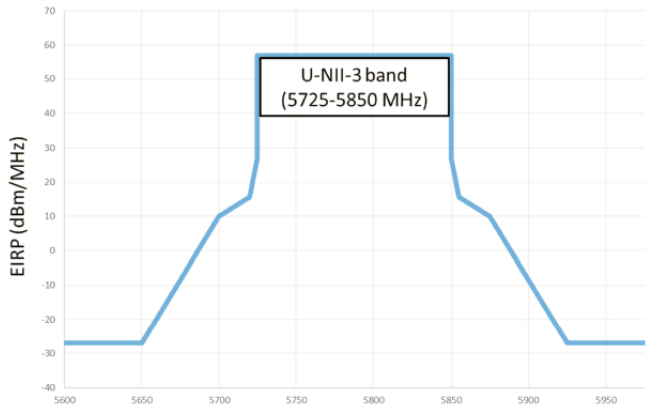
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above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

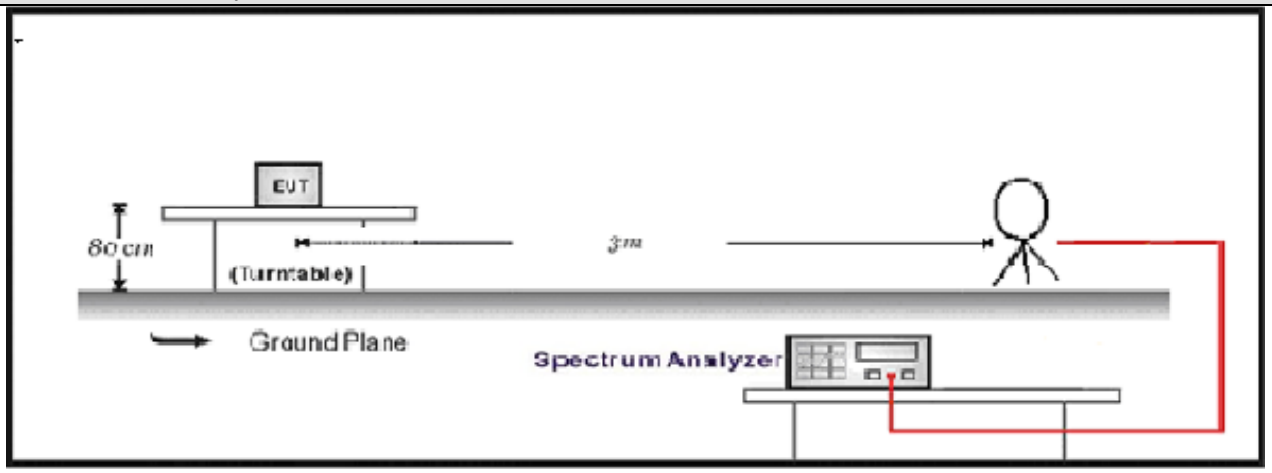
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit), RSS-247 Issue3: Section 6.2 (Restricted Band Emissions Limit)

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

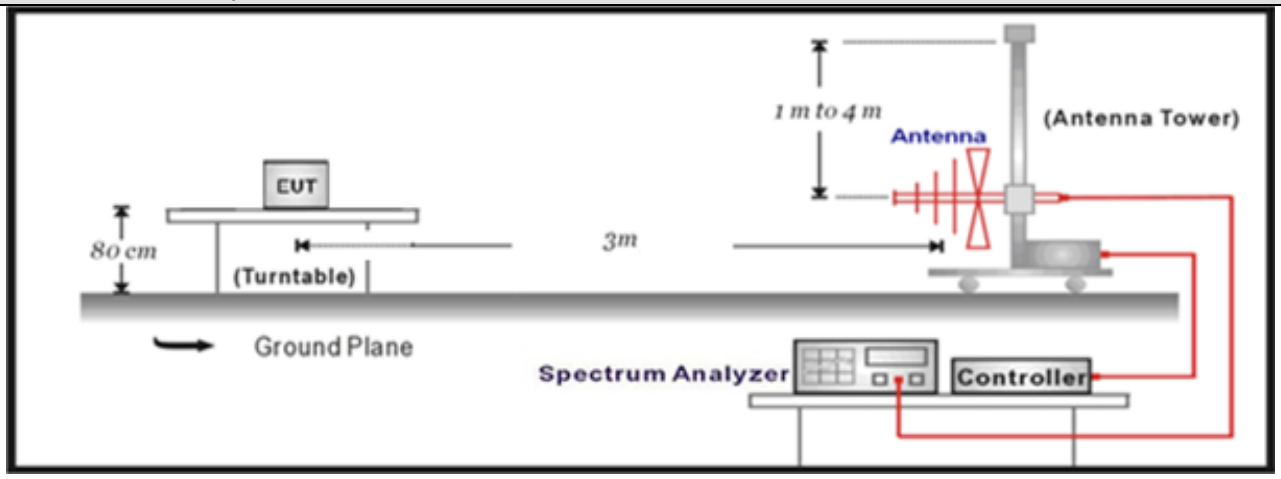
Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)
5725 - 5850	

4.2.2 Test Setup

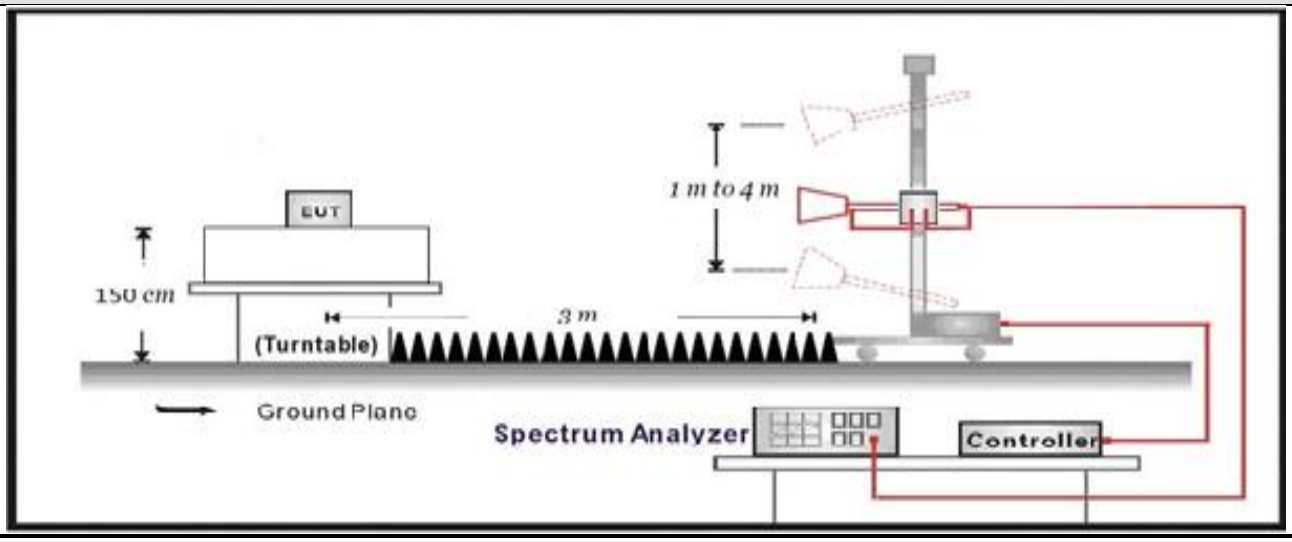
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:



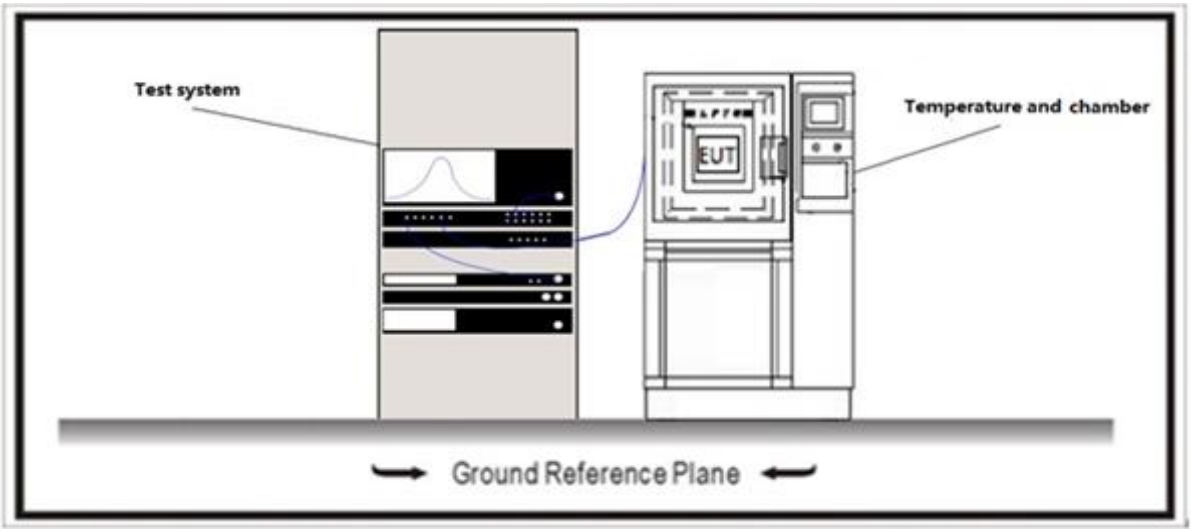
4.2.3 Test Procedure

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

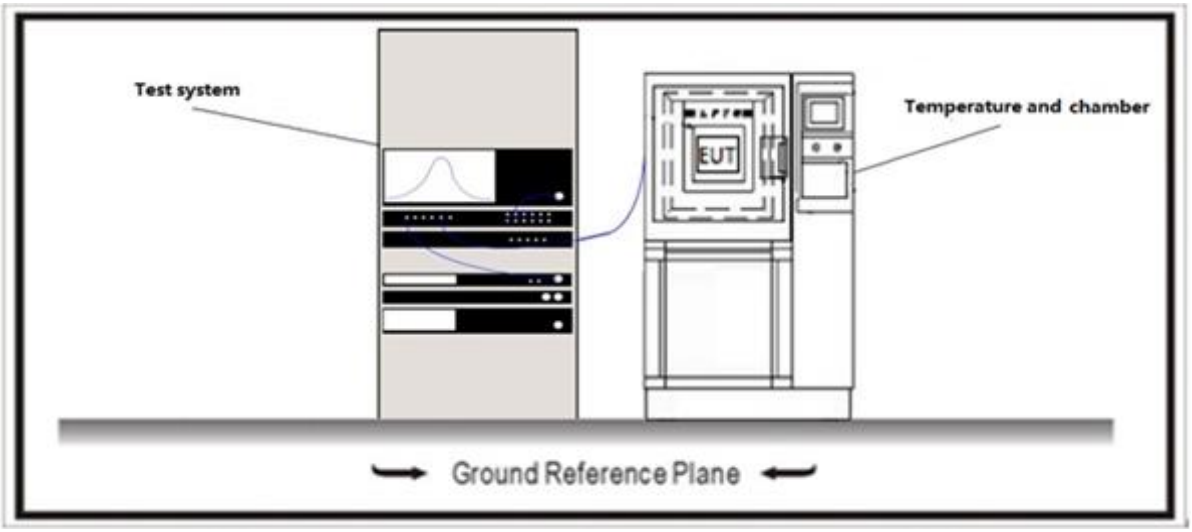
Test Method

	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

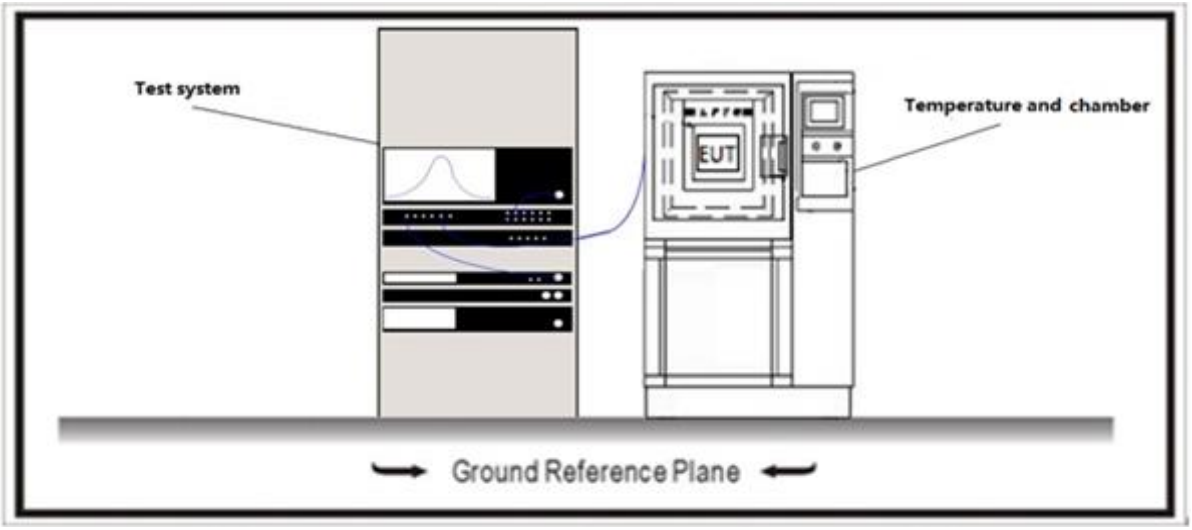
	References Rule	Chapter	Description
☐	ANSI C63.10	12.4	Emission bandwidth and occupied bandwidth
	☐ ANSI C63.10	12.4.1	Emission bandwidth (26dB)
	☐ ANSI C63.10	12.4.2	Occupied bandwidth (99%)
☒	FCC KDB 789033 D02v02r01	C	Bandwidth Measurement
	☐ FCC KDB 789033 D02v02r01	C.1	Emission Bandwidth (26dB)
	☒ 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

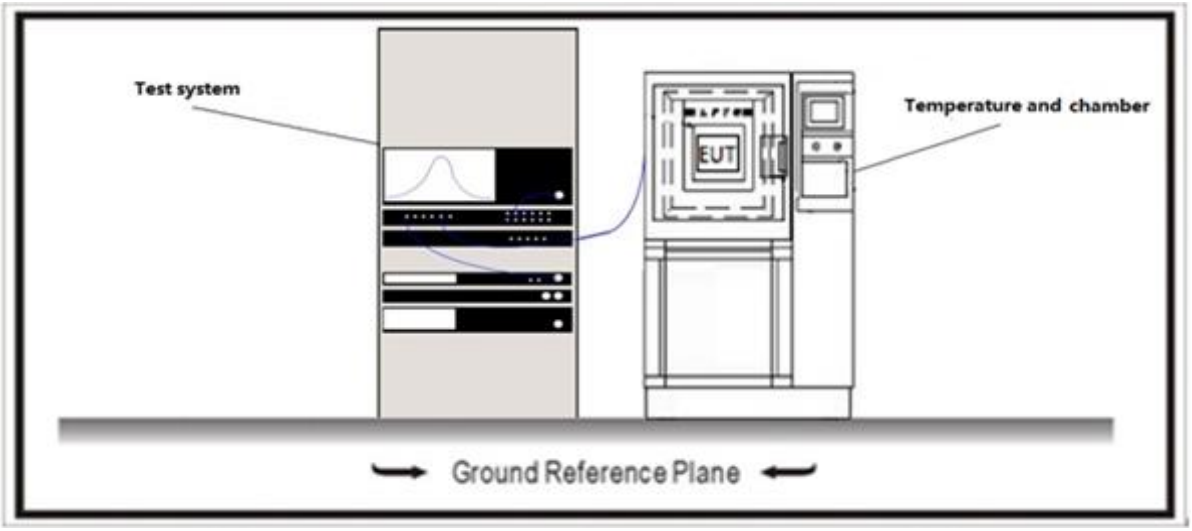
4.6 Power Output — VERDICT: PASS

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}＞23dBi, 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.

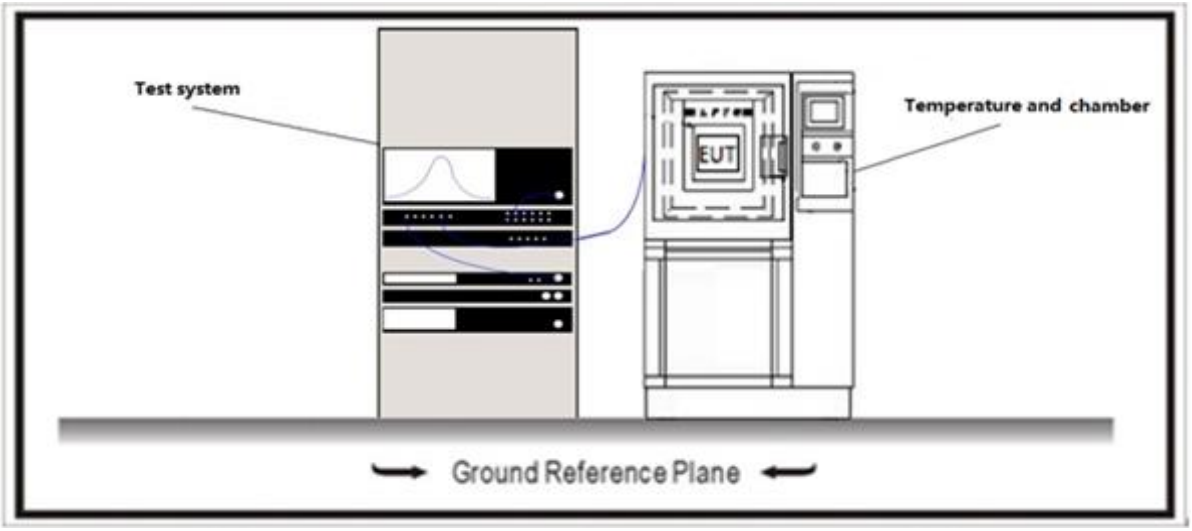
Standard	RSS-247 Issue 3 Paragraph 6.2

☒	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)

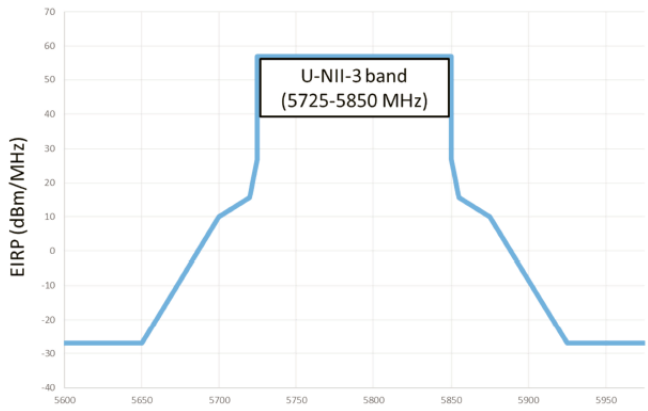
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above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

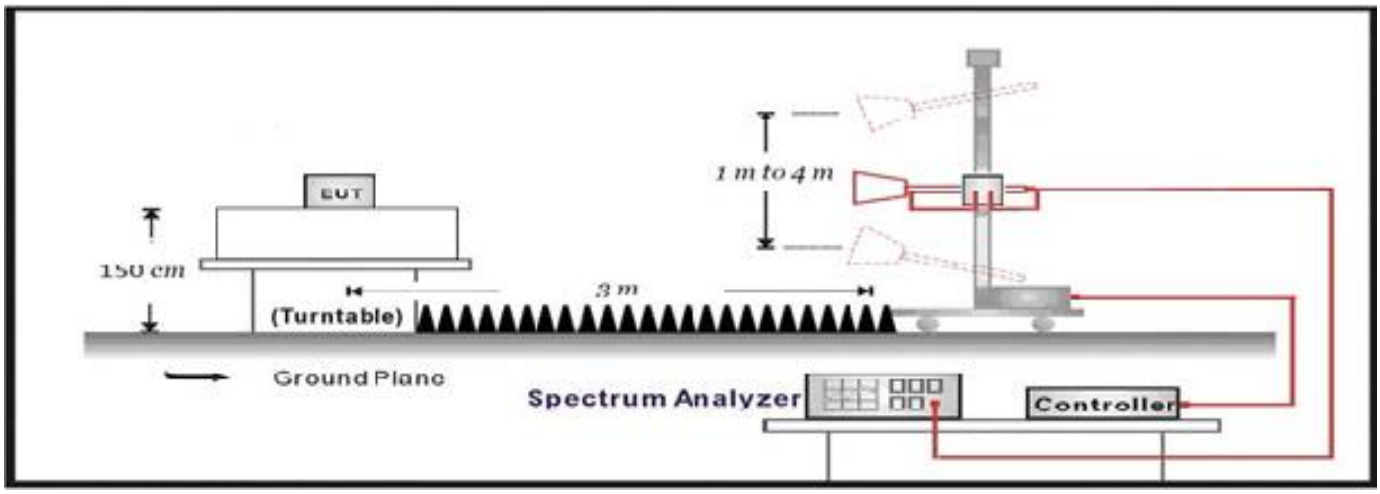
FCC Part 15 Subpart C Paragraph 15.407(5)(b) (Unrestricted Band Emissions Limit), RSS-247 Issue3: Section 6.2 (Restricted Band Emissions Limit)

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.

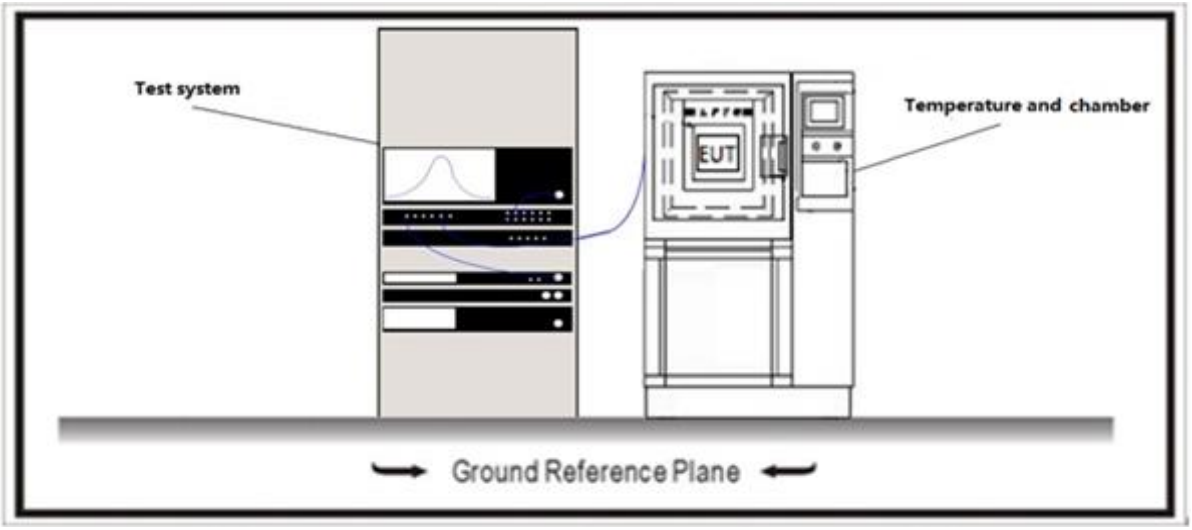
4.9 Frequency Stability	VERDICT: PASS

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.	

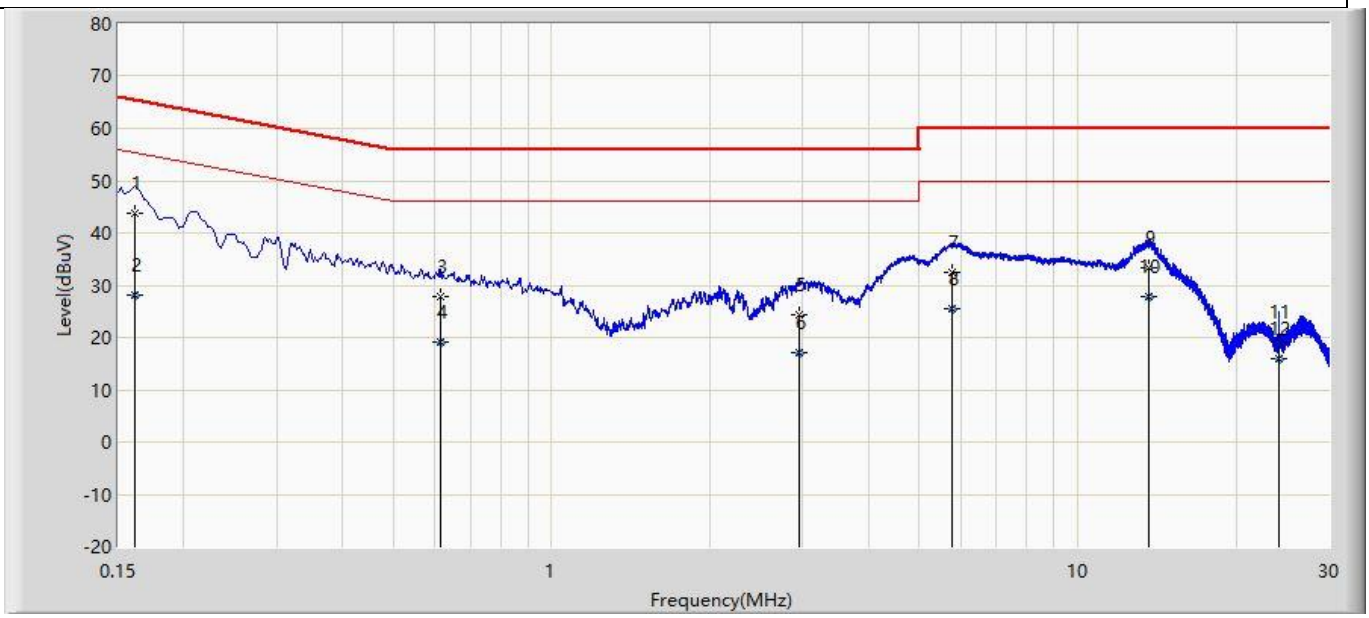
5 TEST SETUP PHOTO AND EUT PHOTO

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

6 TEST RESULT

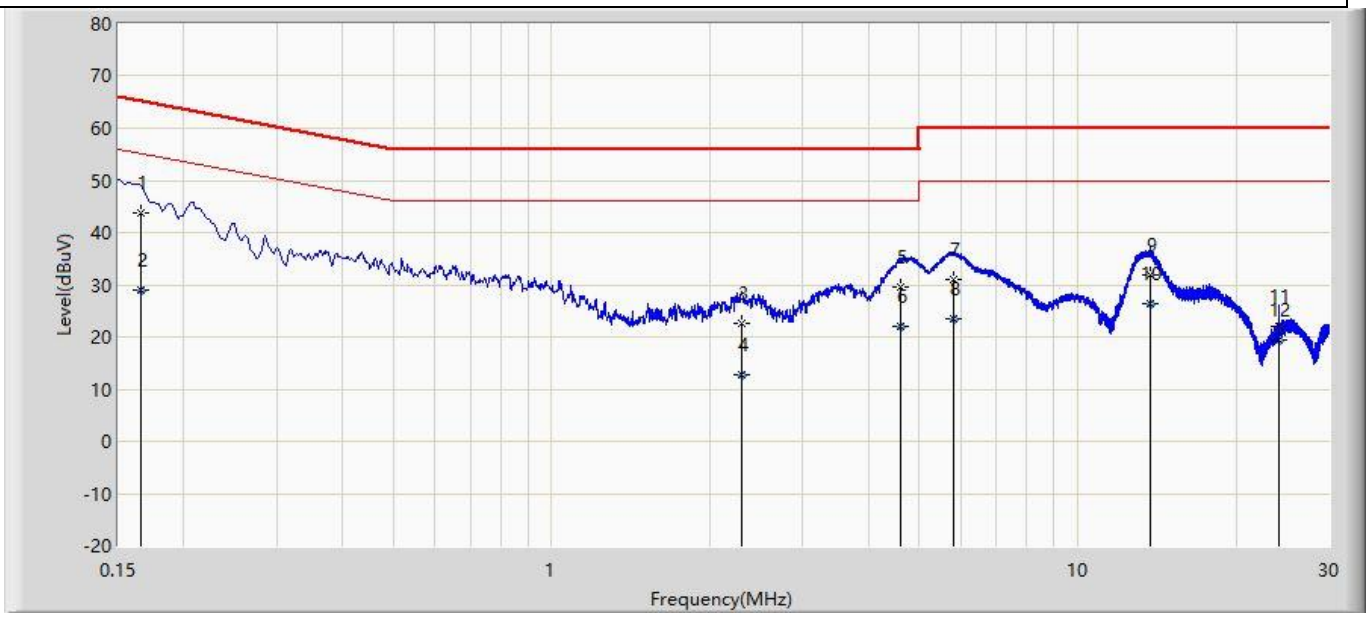
Appendix A: Conducted Emission

Profile: 2390387R	Page No.: 11
Engineer: Pengchengyang	
Site: TR1	Time: 2024/01/15 - 08:44
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5180MHz by 802.11a	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.161	43.791	34.167	-21.608	65.399	9.624	QP
2		0.161	28.140	18.515	-27.260	55.399	9.624	AV
3		0.614	27.863	18.221	-28.137	56.000	9.642	QP
4		0.614	19.232	9.590	-26.768	46.000	9.642	AV
5		2.954	24.449	14.730	-31.551	56.000	9.719	QP
6		2.954	17.187	7.468	-28.813	46.000	9.719	AV
7		5.753	32.410	22.629	-27.590	60.000	9.782	QP
8		5.753	25.636	15.854	-24.364	50.000	9.782	AV
9		13.684	33.296	23.370	-26.704	60.000	9.925	QP
10		13.684	27.712	17.786	-22.288	50.000	9.925	AV
11		24.108	19.065	8.959	-40.935	60.000	10.105	QP
12		24.108	15.953	5.847	-34.047	50.000	10.105	AV

Profile: 2390387R	Page No.: 12
Engineer: Pengchengyang	
Site: TR1	Time: 2024/01/15 - 08:44
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5180MHz by 802.11a	



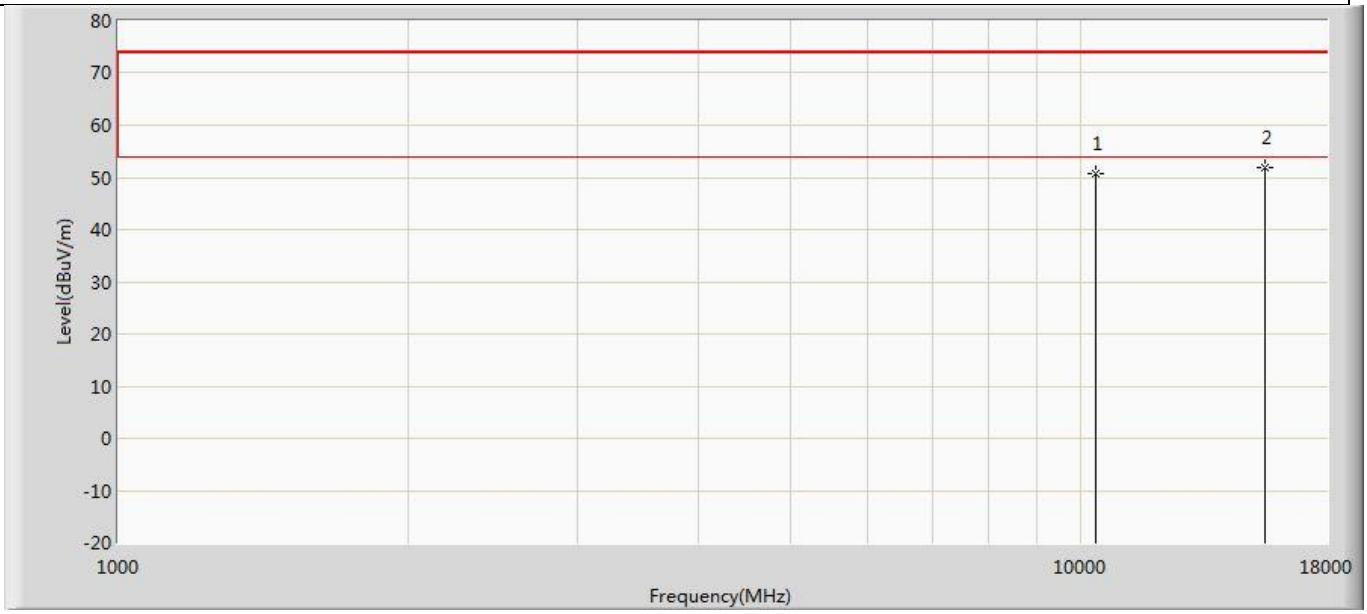
No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.166	43.906	34.276	-21.265	65.171	9.631	QP
2		0.166	28.959	19.329	-26.211	55.171	9.631	AV
3		2.294	22.601	12.896	-33.399	56.000	9.705	QP
4		2.294	12.719	3.014	-33.281	46.000	9.705	AV
5		4.614	29.623	19.861	-26.377	56.000	9.762	QP
6		4.614	21.969	12.207	-24.031	46.000	9.762	AV
7		5.798	31.060	21.271	-28.940	60.000	9.789	QP
8		5.798	23.515	13.726	-26.485	50.000	9.789	AV
9		13.702	31.848	21.902	-28.152	60.000	9.946	QP
10		13.702	26.302	16.356	-23.698	50.000	9.946	AV
11		24.124	21.921	11.820	-38.079	60.000	10.101	QP
12		24.124	19.476	9.375	-30.524	50.000	10.101	AV

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

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

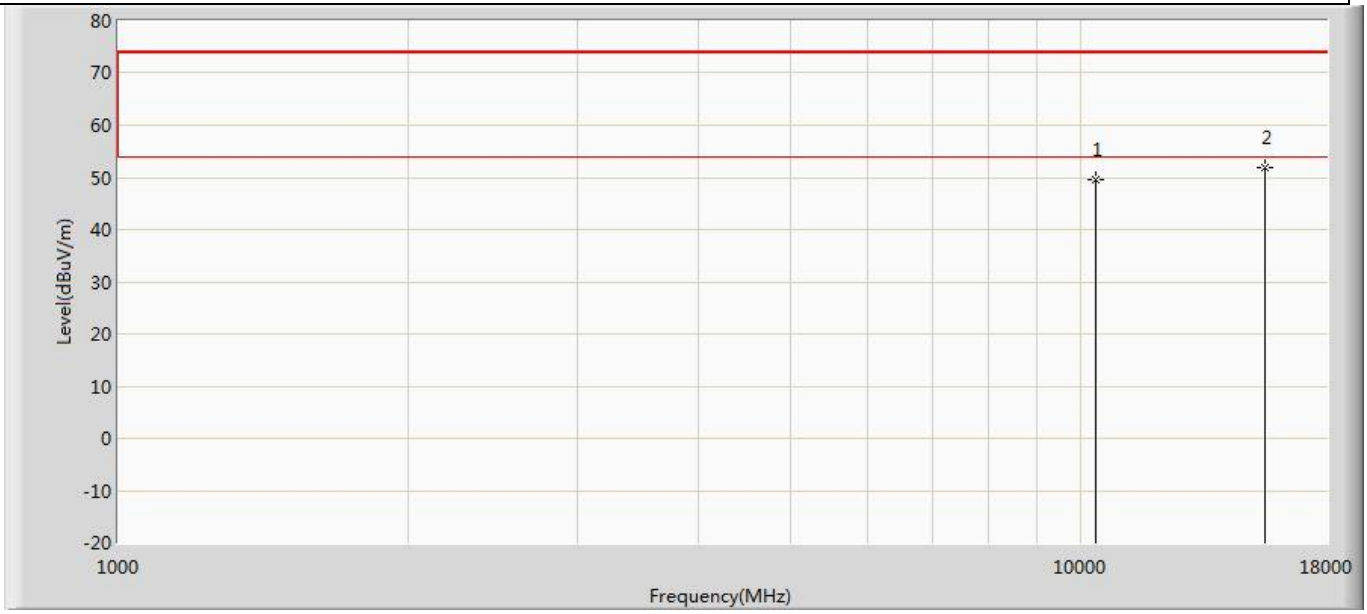
Appendix B: Radiated Emission

Profile: 2390387R	Page No.: 89
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5180MHz by 802.11a with Ant2	



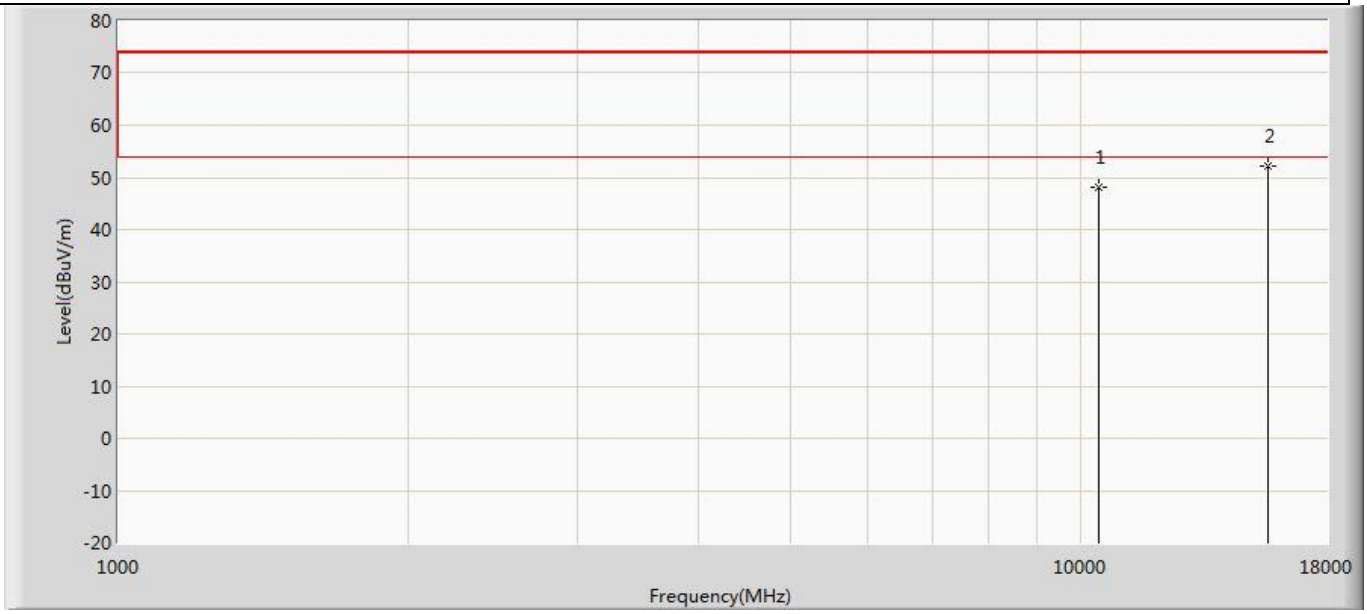
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	50.795	54.201	-23.205	74.000	-3.406	PK
2	*	15540.000	52.018	50.975	-21.982	74.000	1.043	PK

Profile: 2390387R	Page No.: 90
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5180MHz by 802.11a with Ant2	



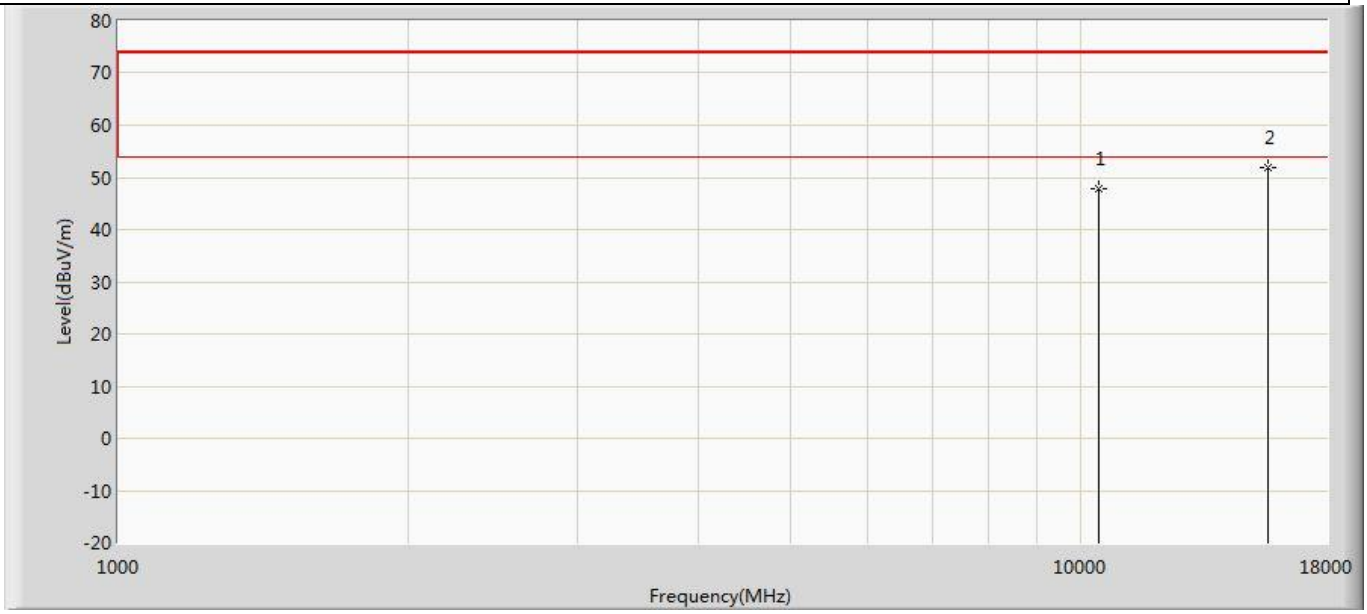
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	49.529	52.935	-24.471	74.000	-3.406	PK
2	*	15540.000	51.803	50.760	-22.197	74.000	1.043	PK

Profile: 2390387R	Page No.: 91
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5220MHz by 802.11a with Ant2	



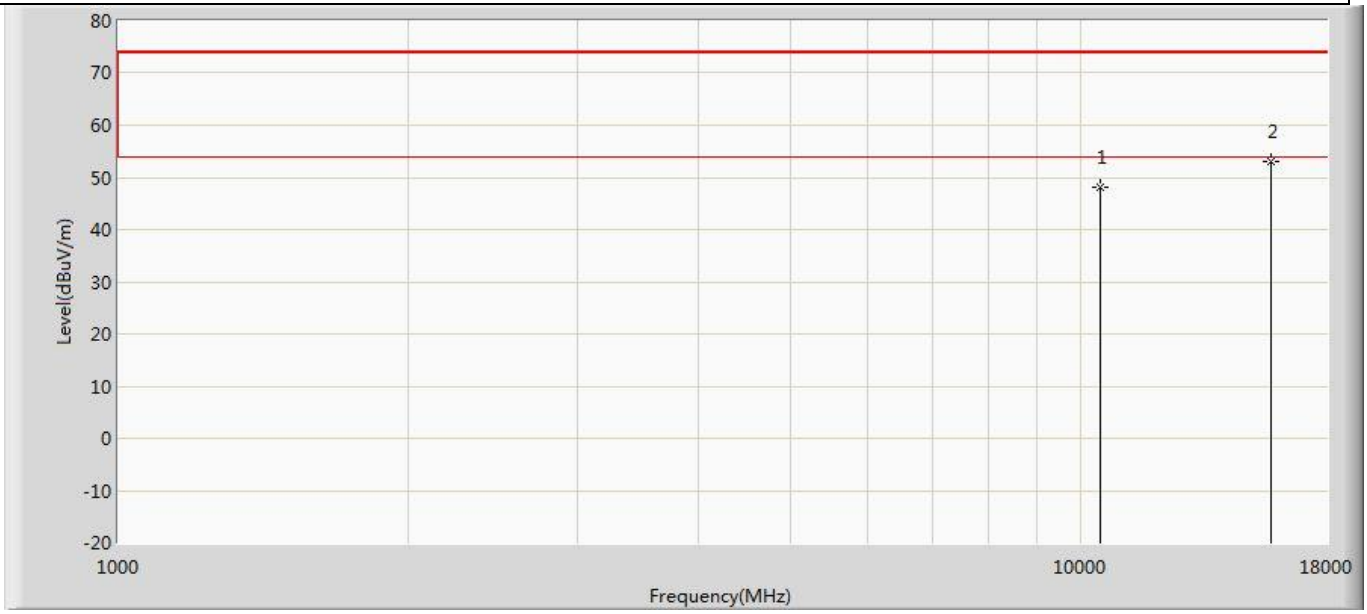
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	48.224	51.518	-25.776	74.000	-3.294	PK
2	*	15660.000	52.312	51.301	-21.688	74.000	1.011	PK

Profile: 2390387R	Page No.: 92
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5220MHz by 802.11a with Ant2	



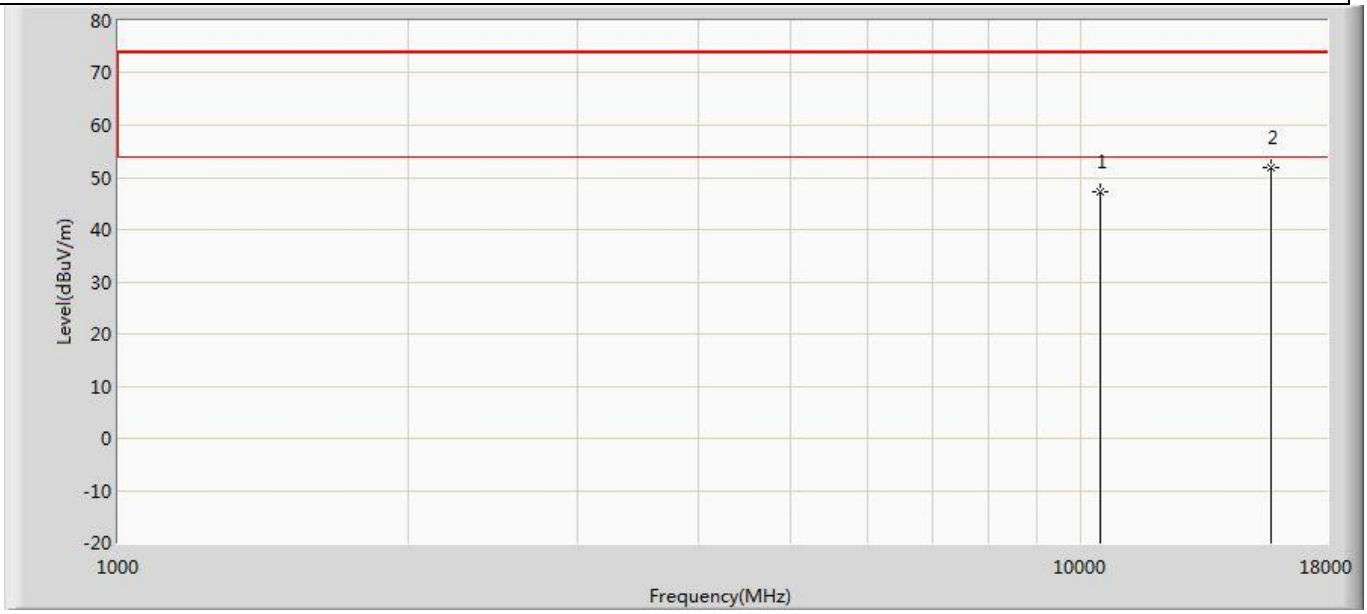
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.895	51.189	-26.105	74.000	-3.294	PK
2	*	15660.000	51.987	50.976	-22.013	74.000	1.011	PK

Profile: 2390387R	Page No.: 93
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5240MHz by 802.11a with Ant2	



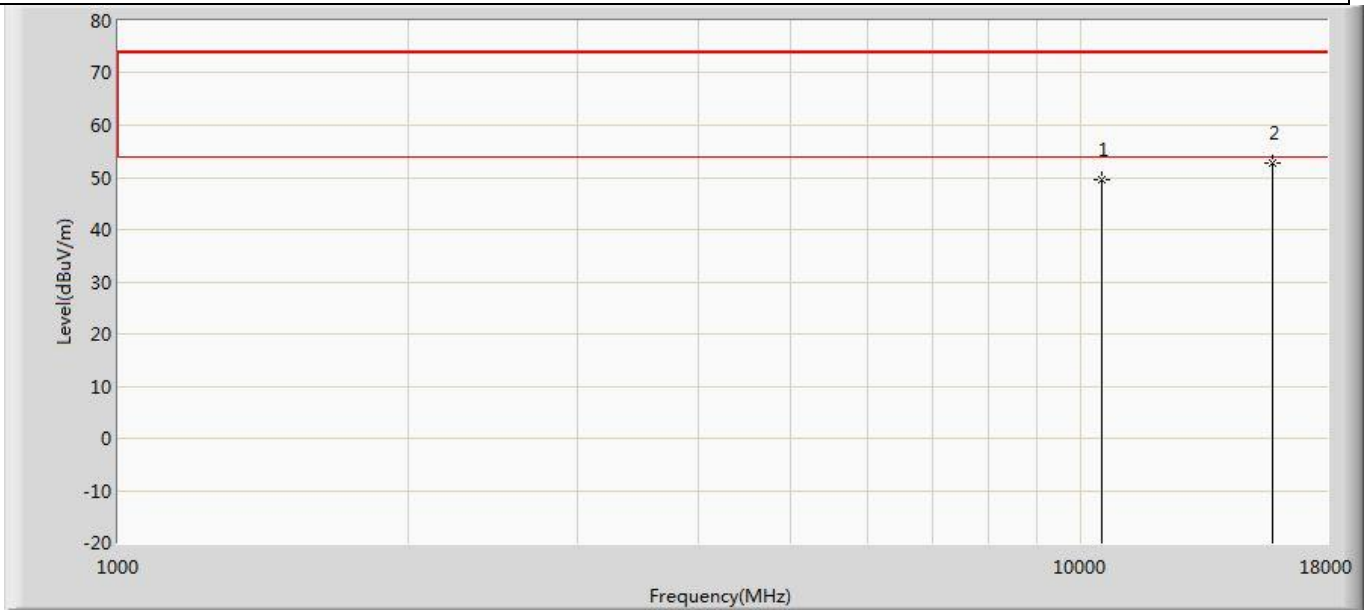
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	48.110	51.389	-25.890	74.000	-3.279	PK
2	*	15720.000	52.900	51.380	-21.100	74.000	1.520	PK

Profile: 2390387R	Page No.: 94
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5240MHz by 802.11a with Ant2	



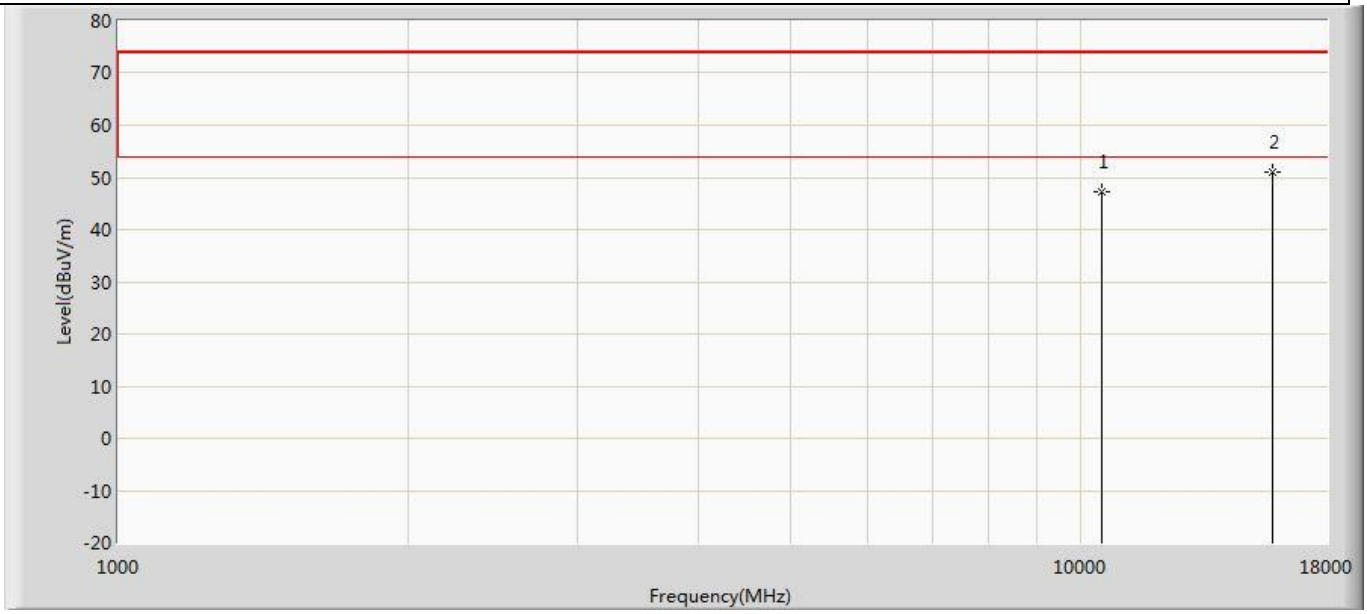
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	47.314	50.593	-26.686	74.000	-3.279	PK
2	*	15720.000	51.913	50.393	-22.087	74.000	1.520	PK

Profile: 2390387R	Page No.: 95
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5260MHz by 802.11a with Ant2	



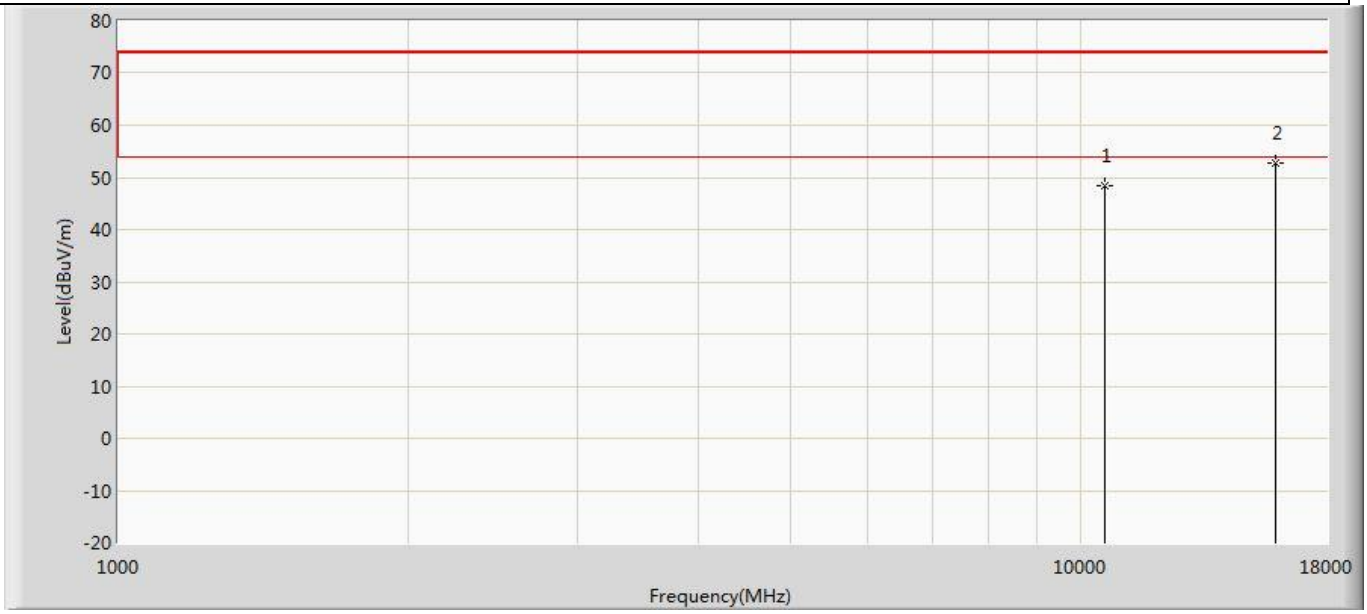
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	49.613	52.852	-24.387	74.000	-3.239	PK
2	*	15780.000	52.824	51.566	-21.176	74.000	1.257	PK

Profile: 2390387R	Page No.: 96
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5260MHz by 802.11a with Ant2	



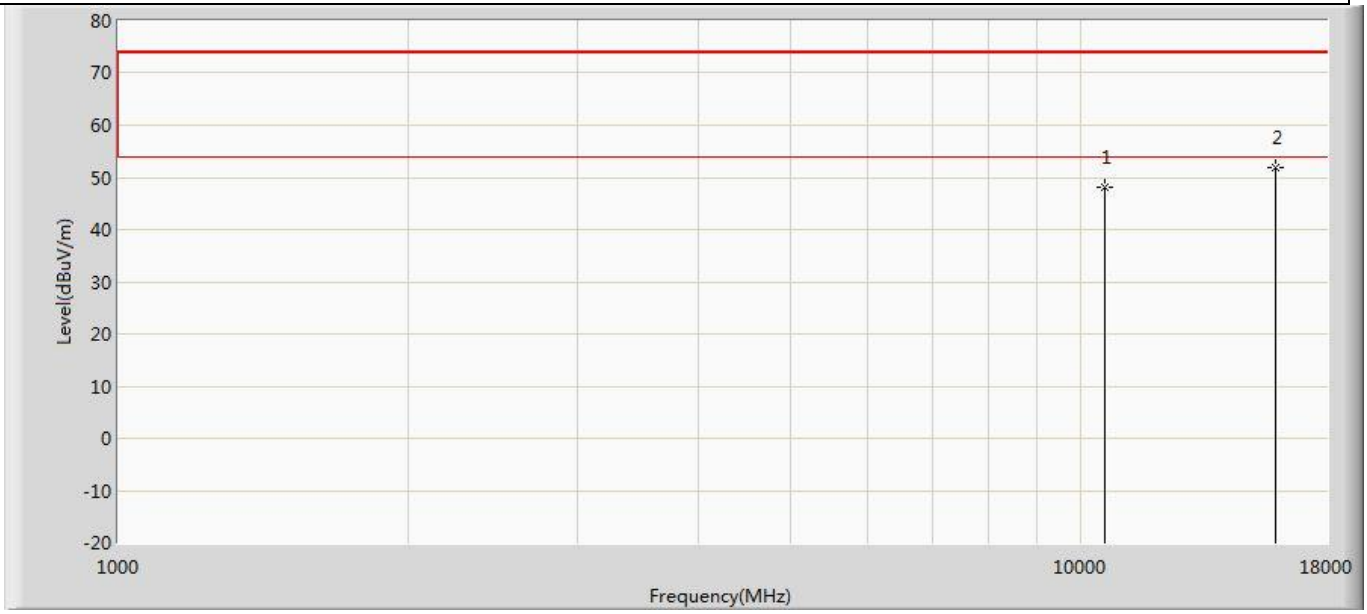
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	47.138	50.377	-26.862	74.000	-3.239	PK
2	*	15780.000	51.075	49.817	-22.925	74.000	1.257	PK

Profile: 2390387R	Page No.: 97
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5300MHz by 802.11a with Ant2	



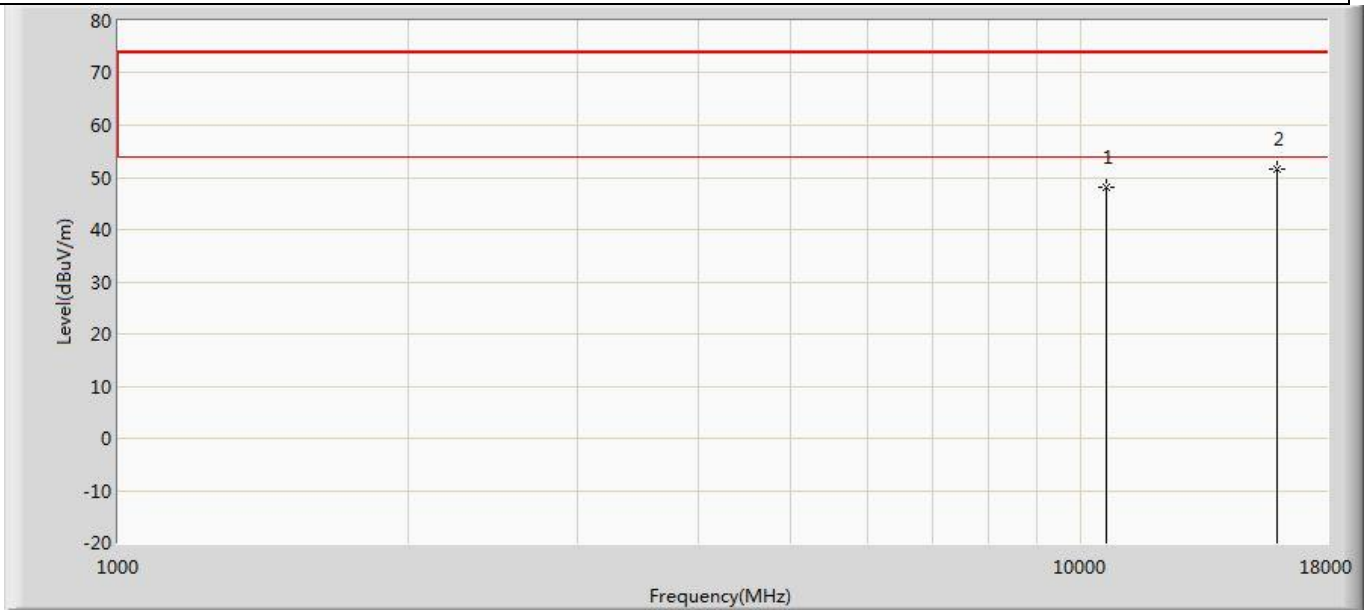
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	48.288	50.990	-25.712	74.000	-2.702	PK
2	*	15900.000	52.685	50.618	-21.315	74.000	2.067	PK

Profile: 2390387R	Page No.: 98
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5300MHz by 802.11a with Ant2	



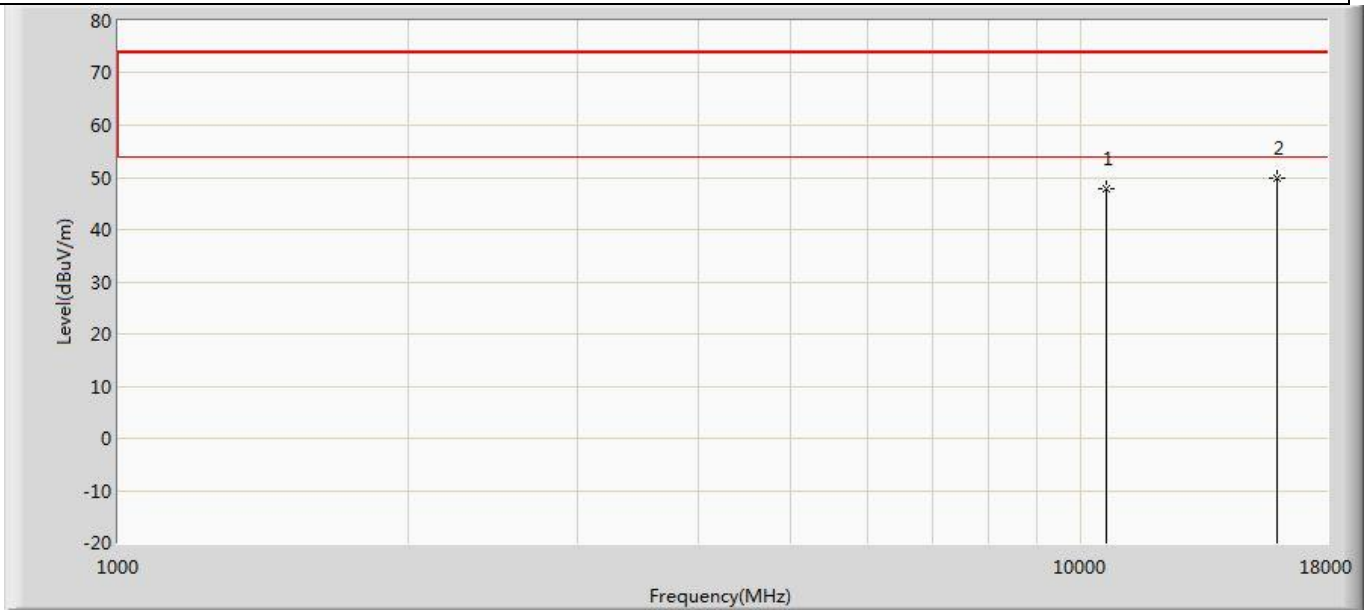
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	48.215	50.917	-25.785	74.000	-2.702	PK
2	*	15900.000	51.878	49.811	-22.122	74.000	2.067	PK

Profile: 2390387R	Page No.: 99
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5320MHz by 802.11a with Ant2	



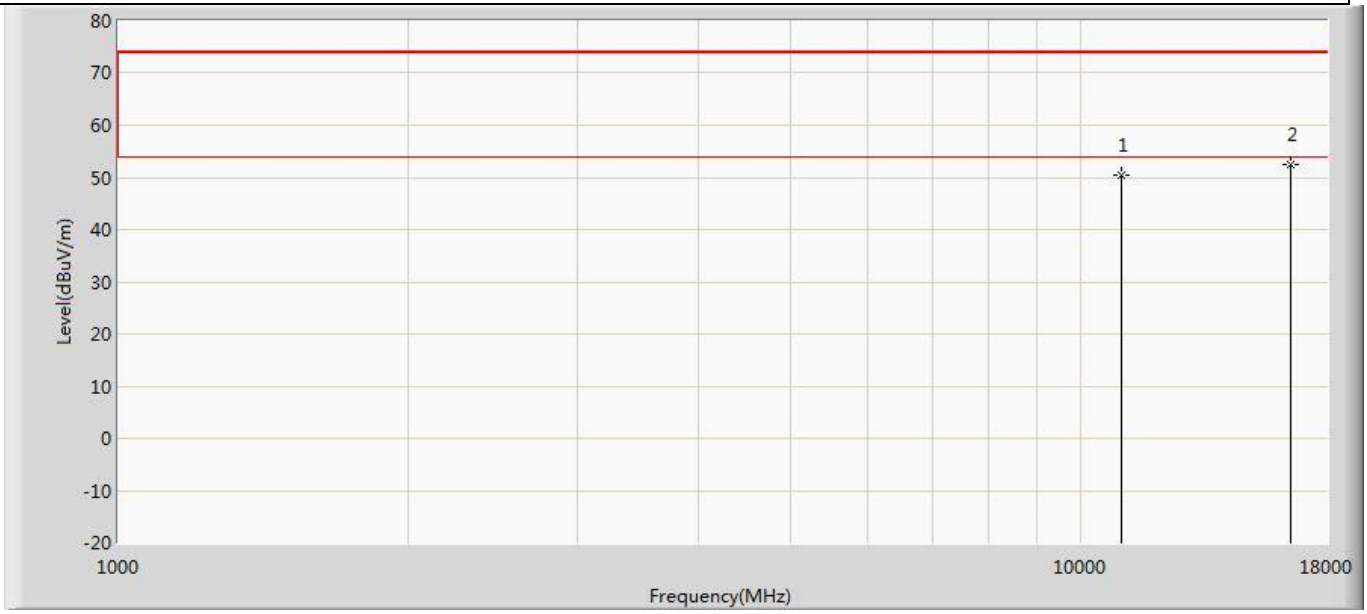
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	48.124	51.488	-25.876	74.000	-3.364	PK
2	*	15960.000	51.501	50.368	-22.499	74.000	1.133	PK

Profile: 2390387R	Page No.: 100
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5320MHz by 802.11a with Ant2	



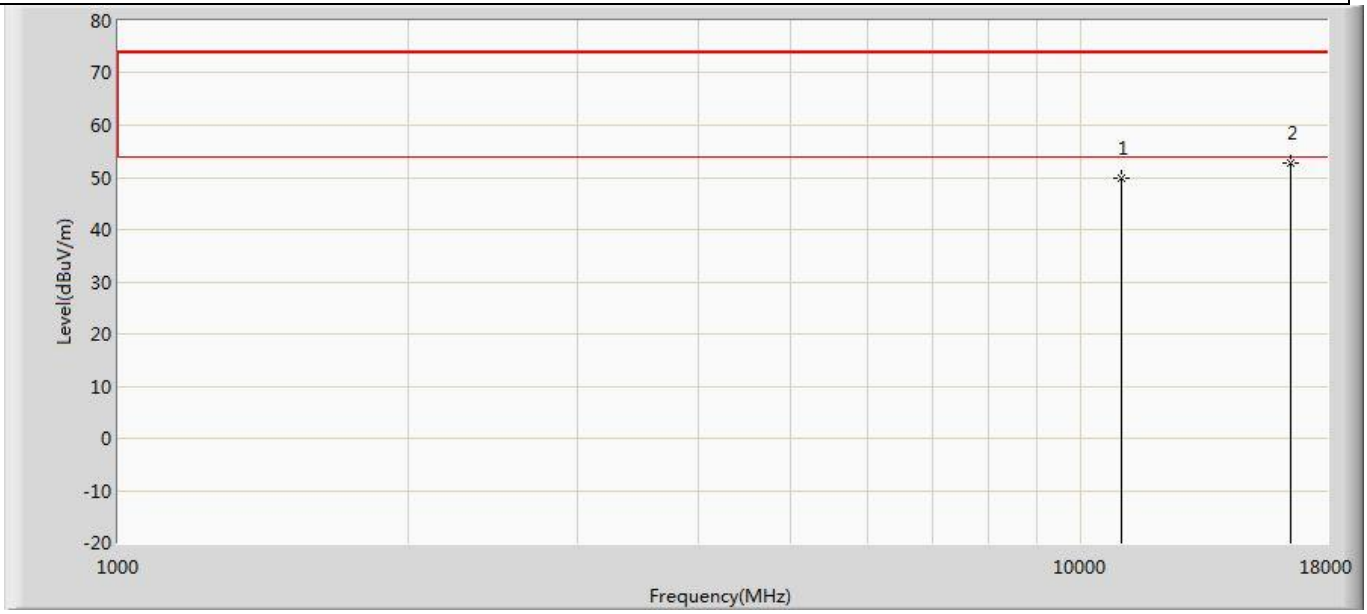
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	47.785	51.149	-26.215	74.000	-3.364	PK
2	*	15960.000	49.719	48.586	-24.281	74.000	1.133	PK

Profile: 2390387R	Page No.: 101
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5500MHz by 802.11a with Ant2	



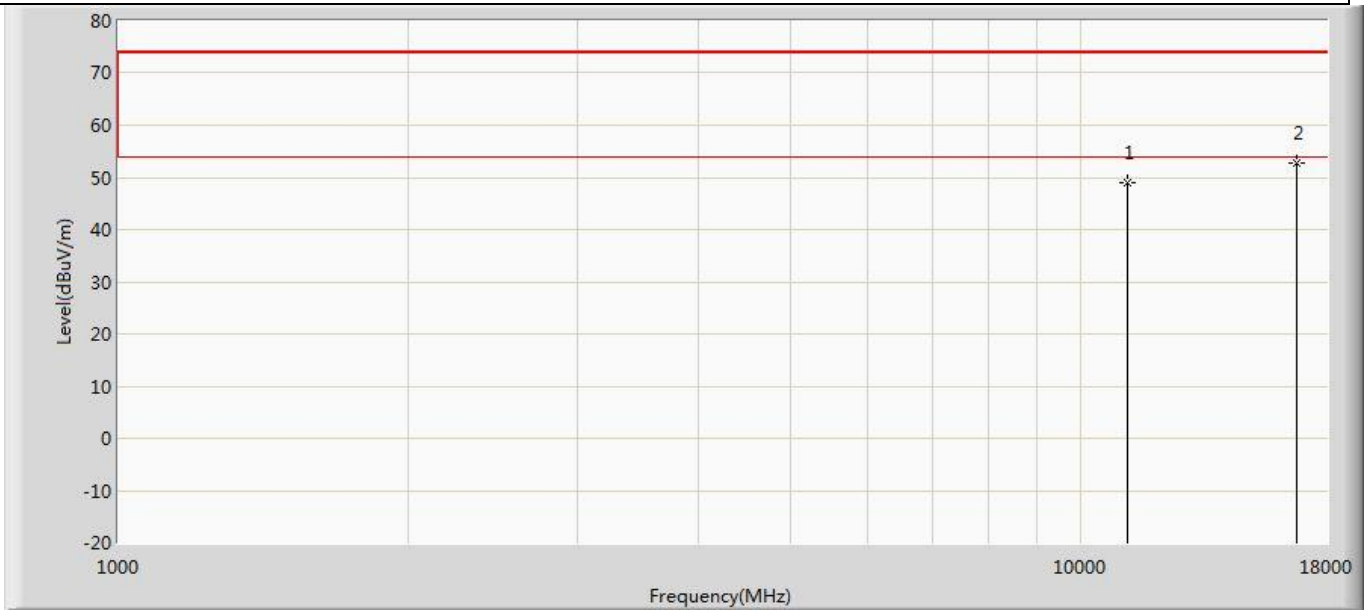
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	50.305	52.193	-23.695	74.000	-1.888	PK
2	*	16500.000	52.344	47.411	-21.656	74.000	4.933	PK

Profile: 2390387R	Page No.: 102
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5500MHz by 802.11a with Ant2	



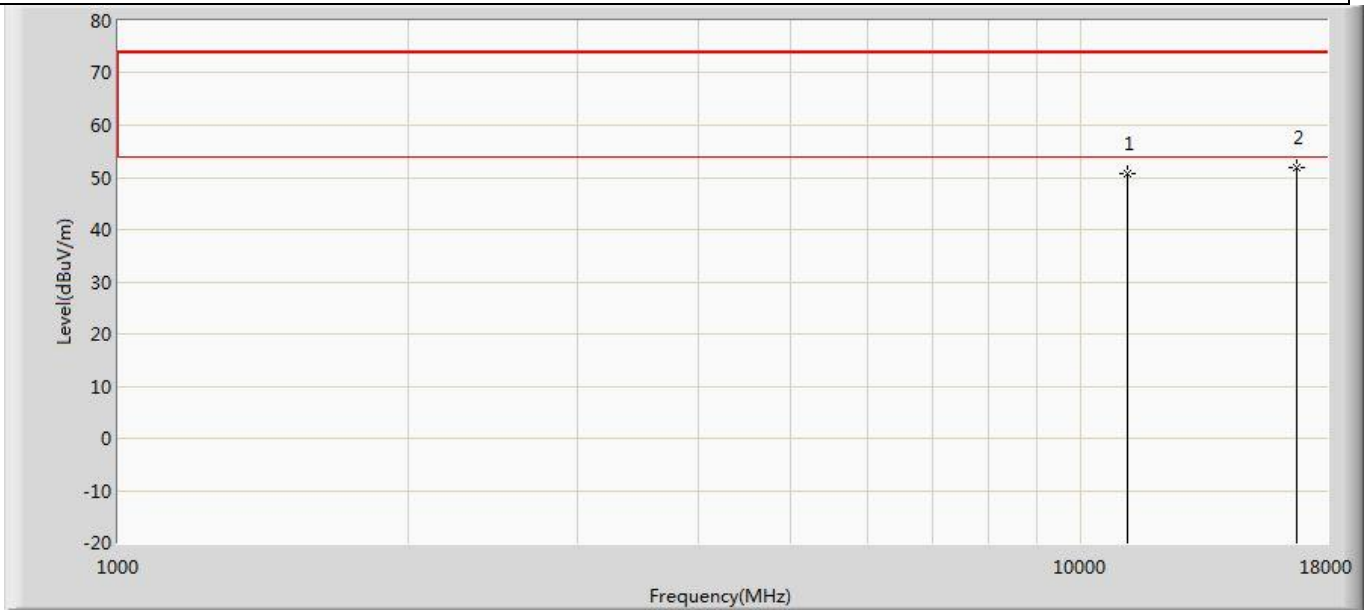
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	49.721	51.609	-24.279	74.000	-1.888	PK
2	*	16500.000	52.610	47.677	-21.390	74.000	4.933	PK

Profile: 2390387R	Page No.: 103
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5580MHz by 802.11a with Ant2	



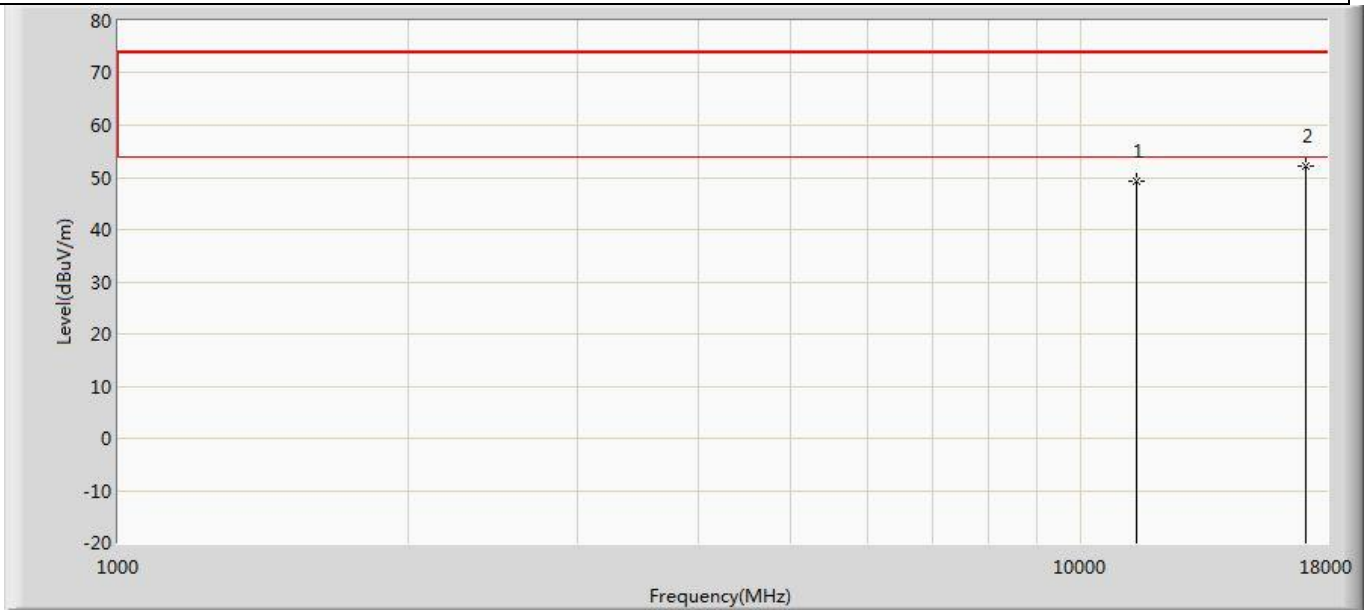
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	48.955	50.140	-25.045	74.000	-1.185	PK
2	*	16740.000	52.652	48.594	-21.348	74.000	4.058	PK

Profile: 2390387R	Page No.: 104
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5580MHz by 802.11a with Ant2	



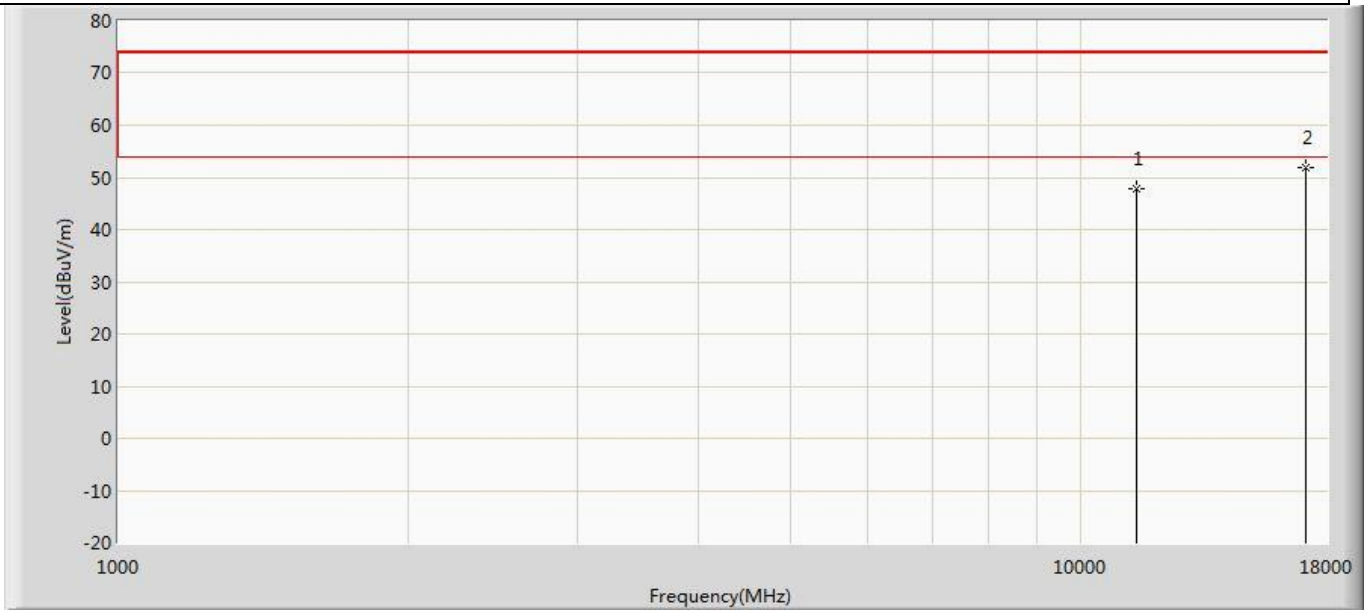
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	50.686	51.871	-23.314	74.000	-1.185	PK
2	*	16740.000	51.924	47.866	-22.076	74.000	4.058	PK

Profile: 2390387R	Page No.: 105
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5700MHz by 802.11a with Ant2	



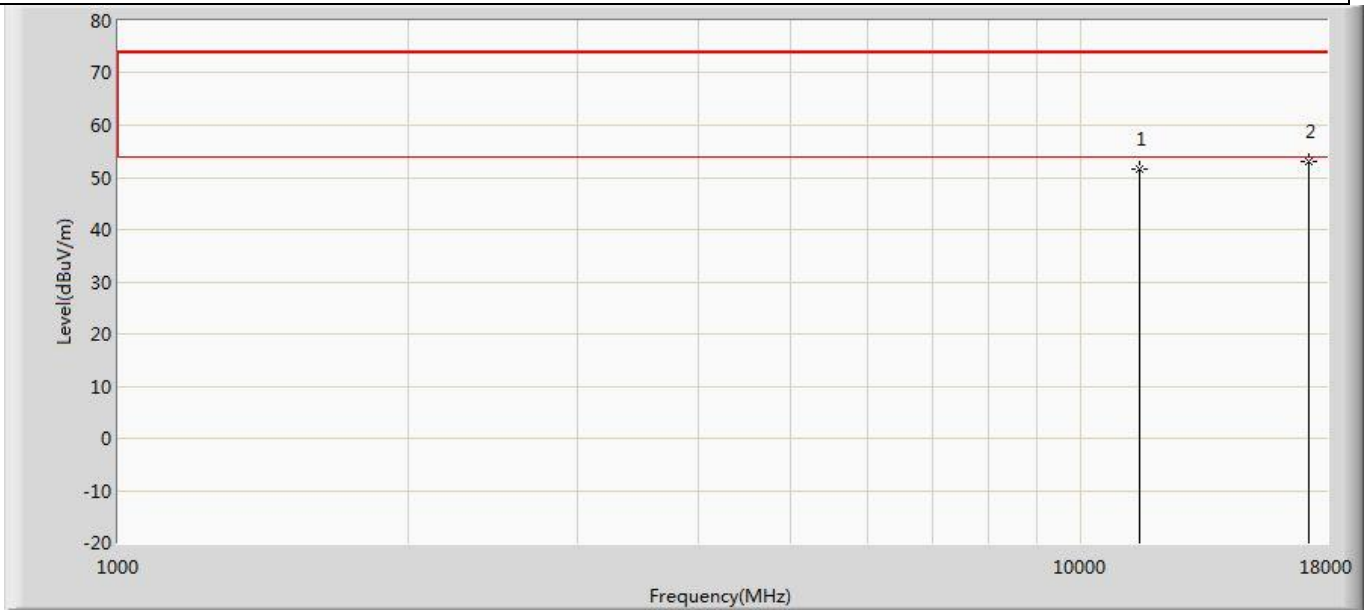
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	49.172	50.214	-24.828	74.000	-1.042	PK
2	*	17100.000	52.120	47.333	-21.880	74.000	4.787	PK

Profile: 2390387R	Page No.: 106
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5700MHz by 802.11a with Ant2	



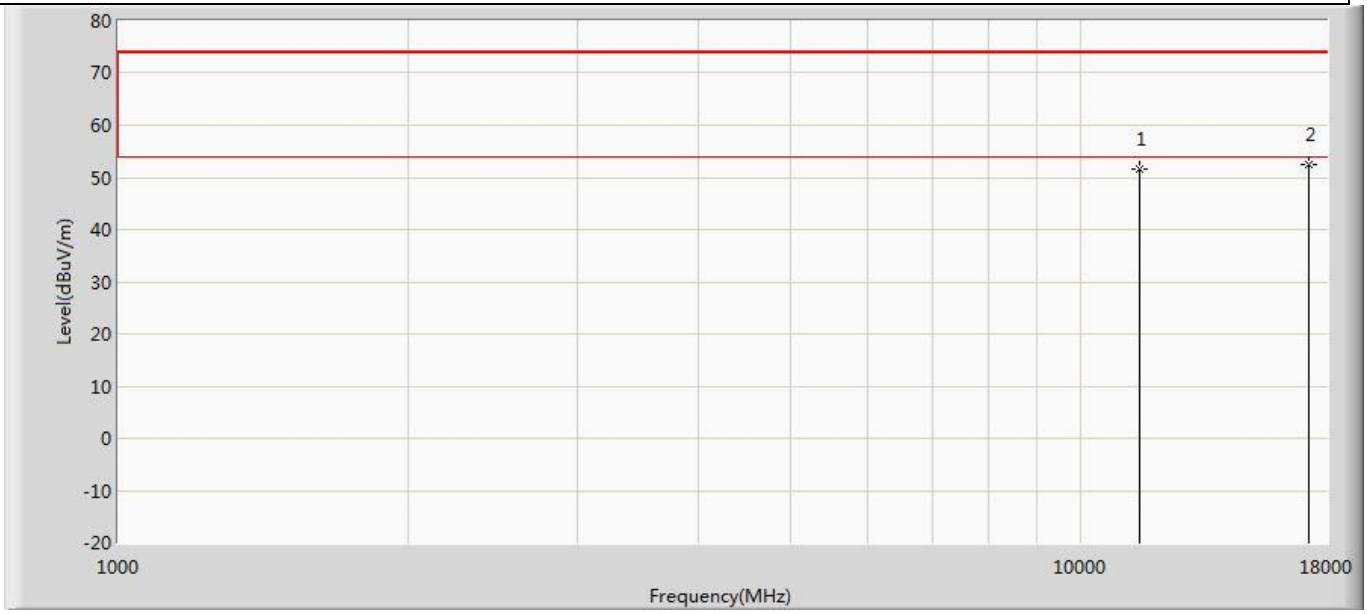
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	47.955	48.997	-26.045	74.000	-1.042	PK
2	*	17100.000	51.920	47.133	-22.080	74.000	4.787	PK

Profile: 2390387R	Page No.: 29
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5745MHz by 802.11a with Ant2	



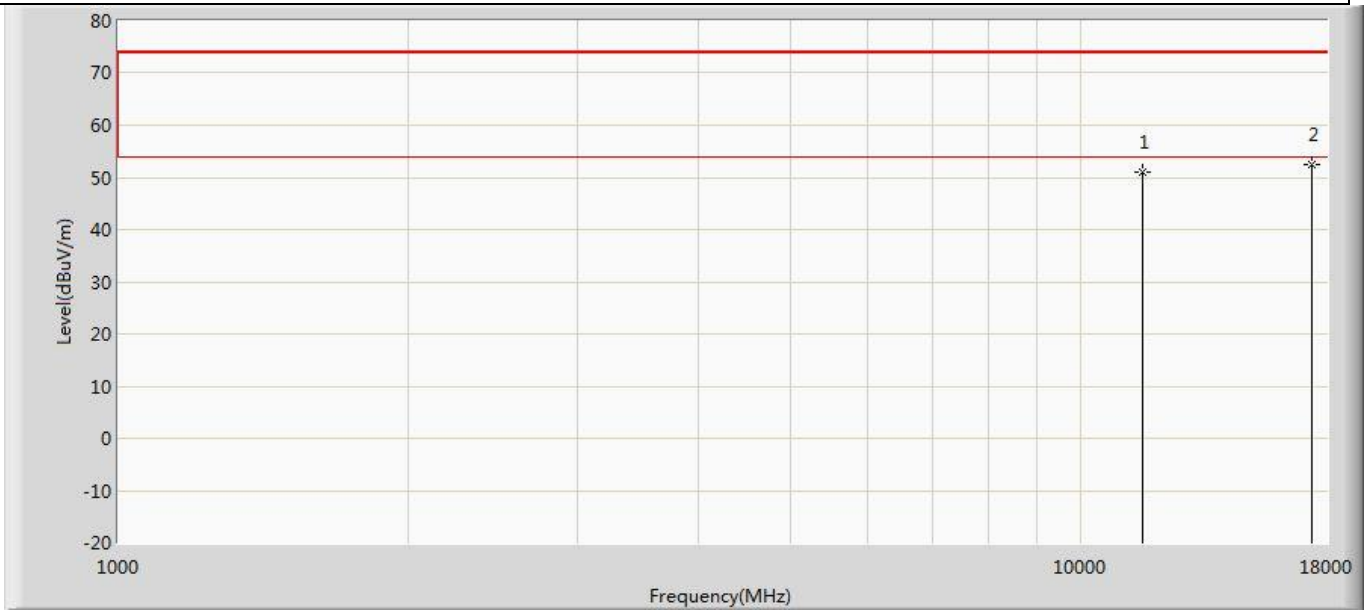
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	51.465	51.989	-22.535	74.000	-0.524	PK
2	*	17235.000	52.903	47.466	-21.097	74.000	5.437	PK

Profile: 2390387R	Page No.: 30
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5745MHz by 802.11a with Ant2	



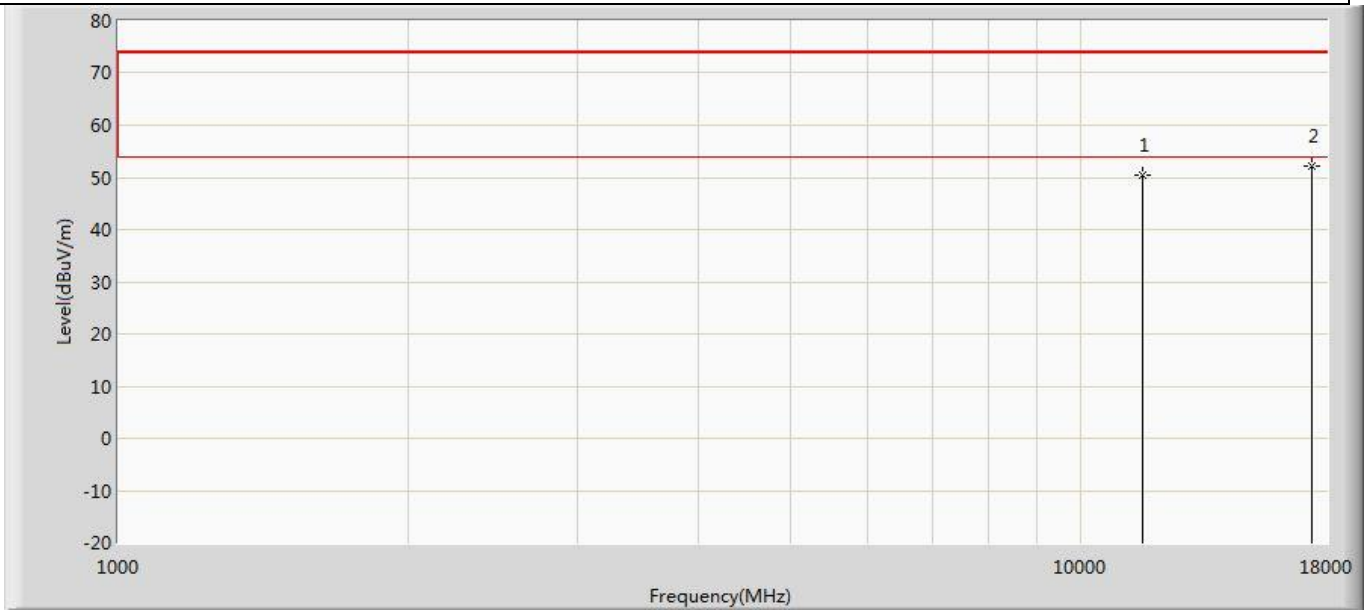
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	51.471	51.995	-22.529	74.000	-0.524	PK
2	*	17235.000	52.519	47.082	-21.481	74.000	5.437	PK

Profile: 2390387R	Page No.: 31
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5785MHz by 802.11a with Ant2	



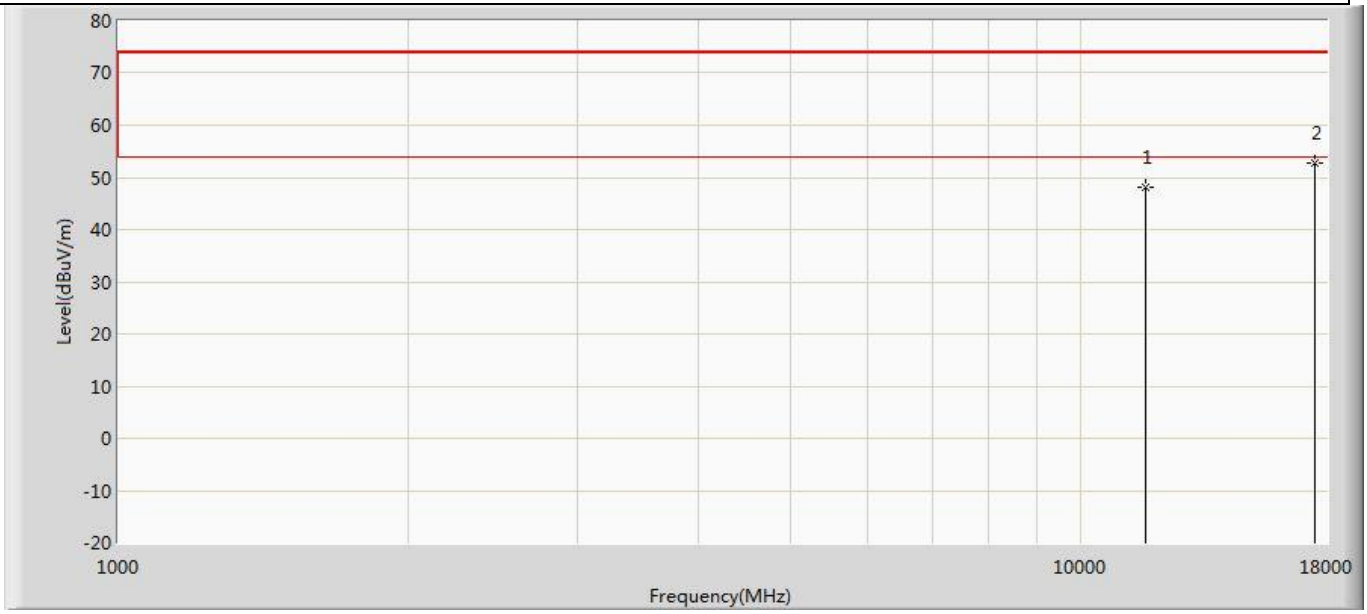
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	50.970	52.159	-23.030	74.000	-1.189	PK
2	*	17355.000	52.573	48.111	-21.427	74.000	4.461	PK

Profile: 2390387R	Page No.: 32
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5785MHz by 802.11a with Ant2	



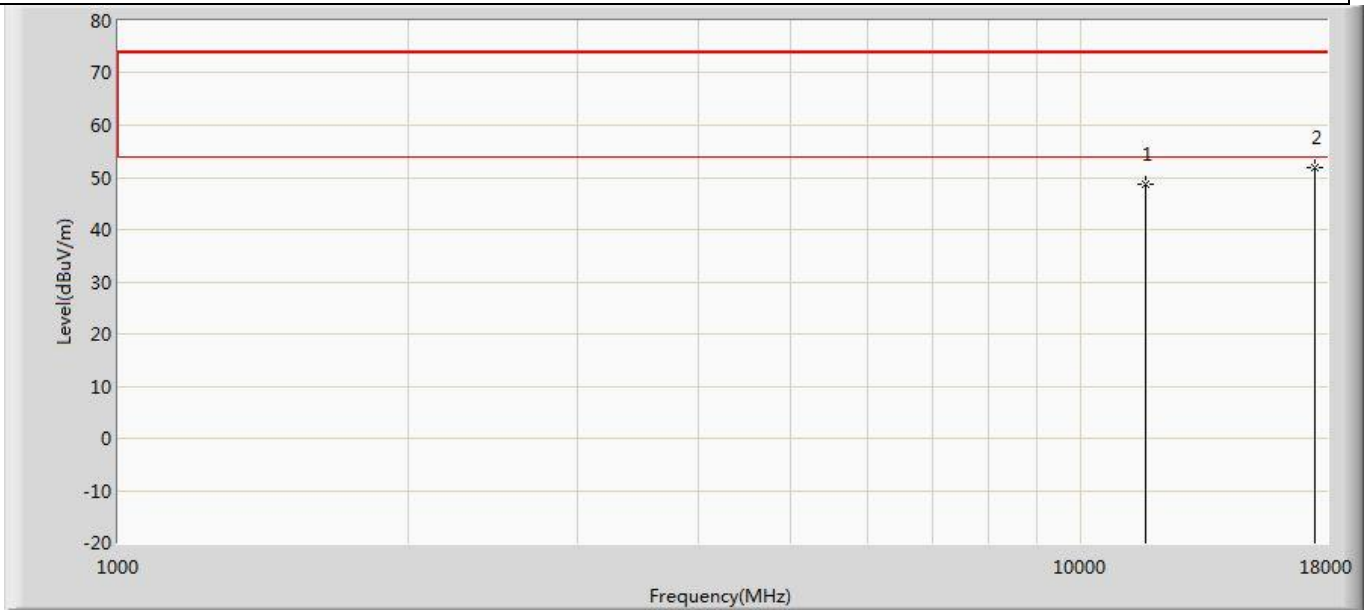
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	50.495	51.684	-23.505	74.000	-1.189	PK
2	*	17355.000	52.254	47.792	-21.746	74.000	4.461	PK

Profile: 2390387R	Page No.: 33
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5825MHz by 802.11a with Ant2	



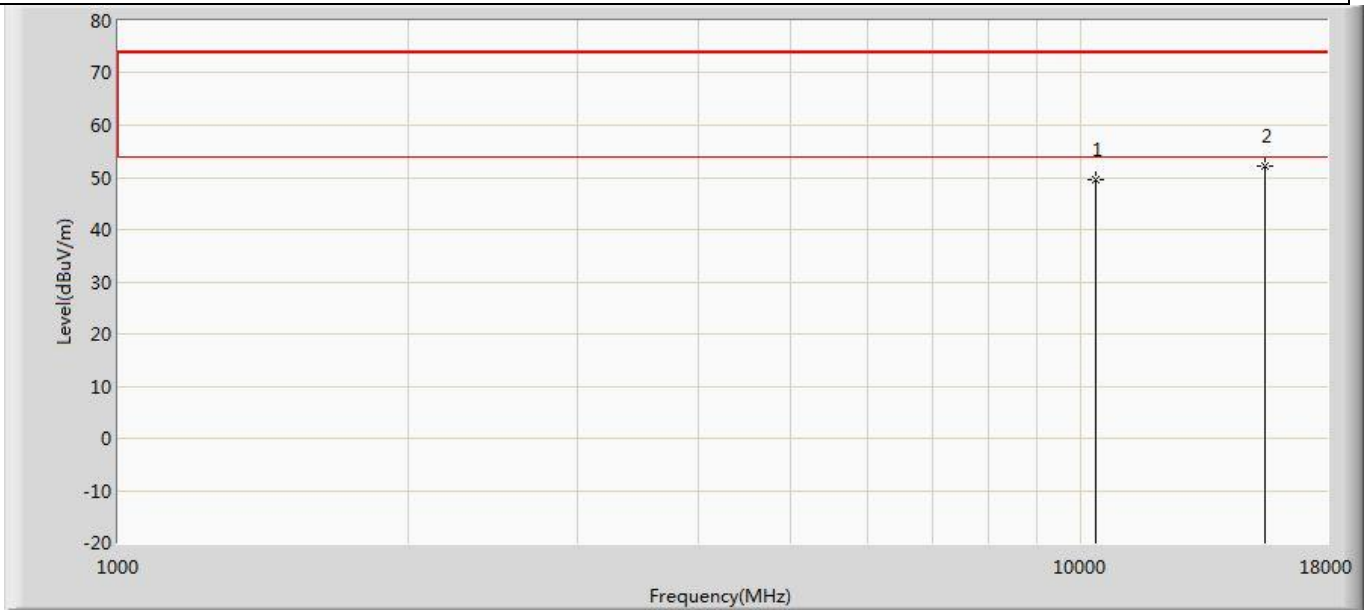
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	48.145	49.821	-25.855	74.000	-1.676	PK
2	*	17475.000	52.844	48.650	-21.156	74.000	4.195	PK

Profile: 2390387R	Page No.: 34
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 5825MHz by 802.11a with Ant2	



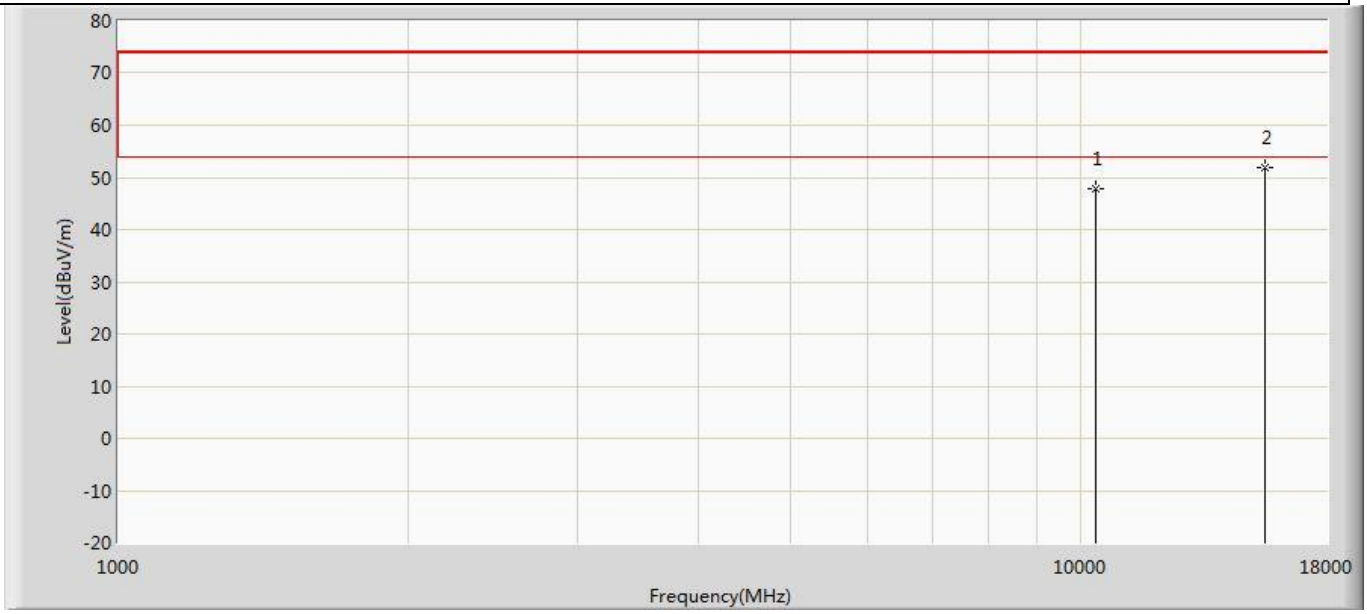
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	48.804	50.480	-25.196	74.000	-1.676	PK
2	*	17475.000	51.922	47.728	-22.078	74.000	4.195	PK

Profile: 2390387R	Page No.: 107
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant2	



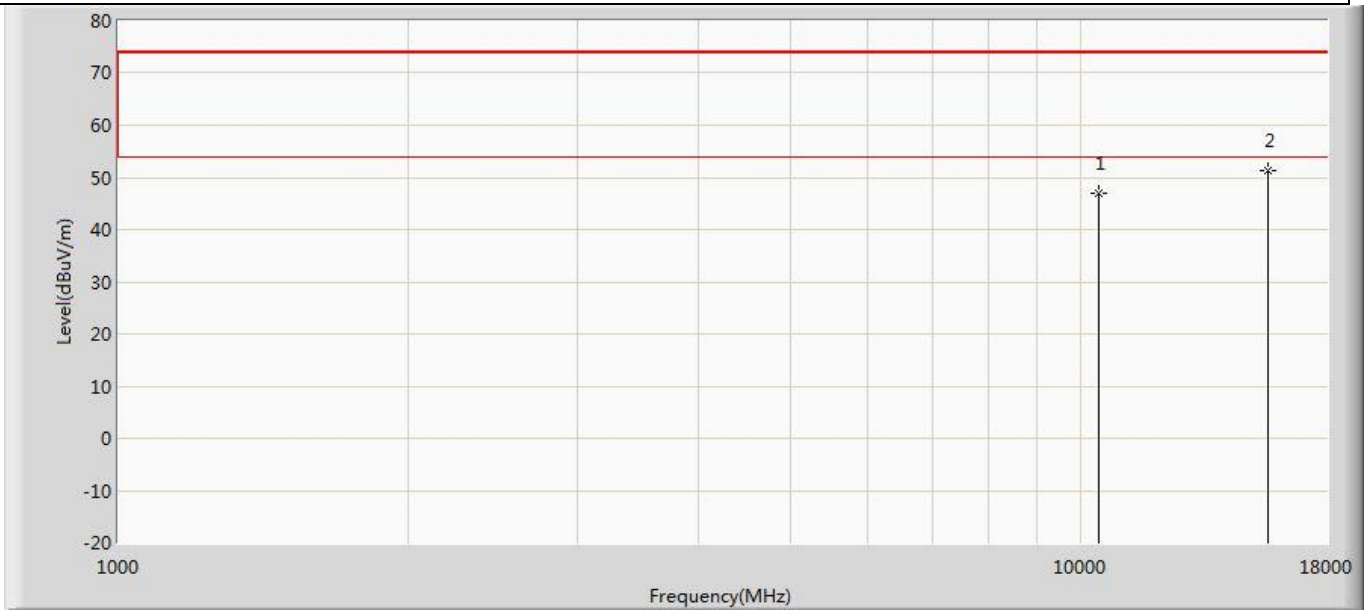
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	49.613	53.019	-24.387	74.000	-3.406	PK
2	*	15540.000	52.127	51.084	-21.873	74.000	1.043	PK

Profile: 2390387R	Page No.: 108
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant2	



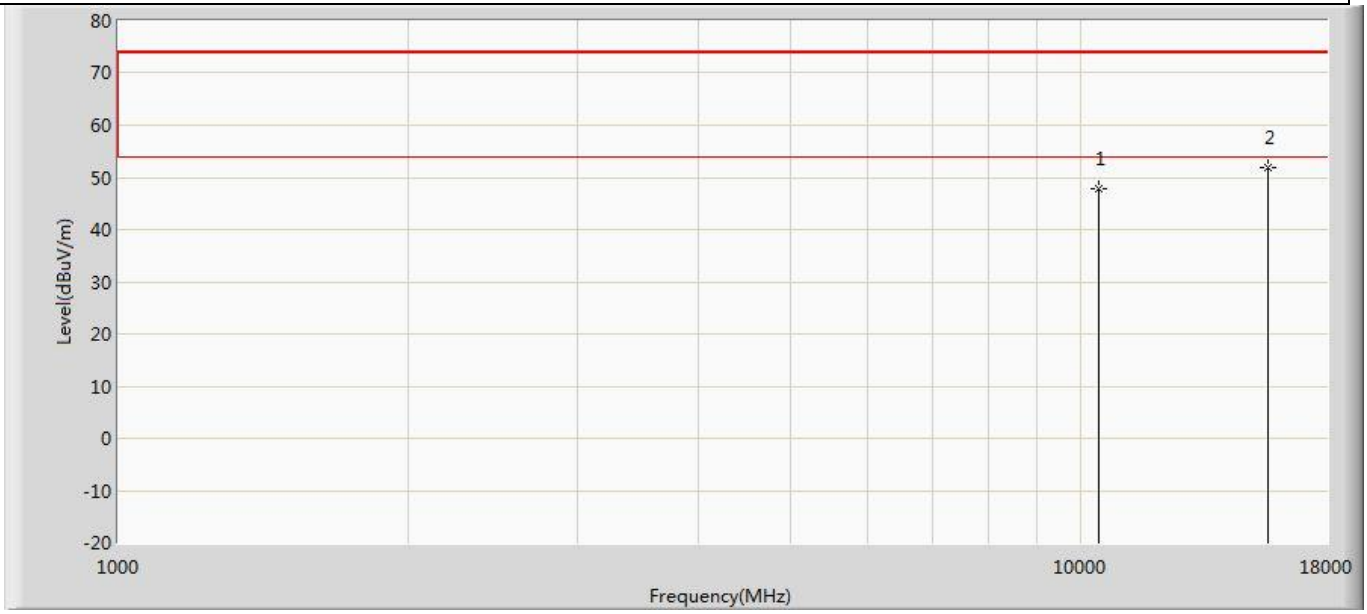
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	47.803	51.209	-26.197	74.000	-3.406	PK
2	*	15540.000	51.910	50.867	-22.090	74.000	1.043	PK

Profile: 2390387R	Page No.: 109
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5220MHz by 802.11n(20MHz) with Ant2	



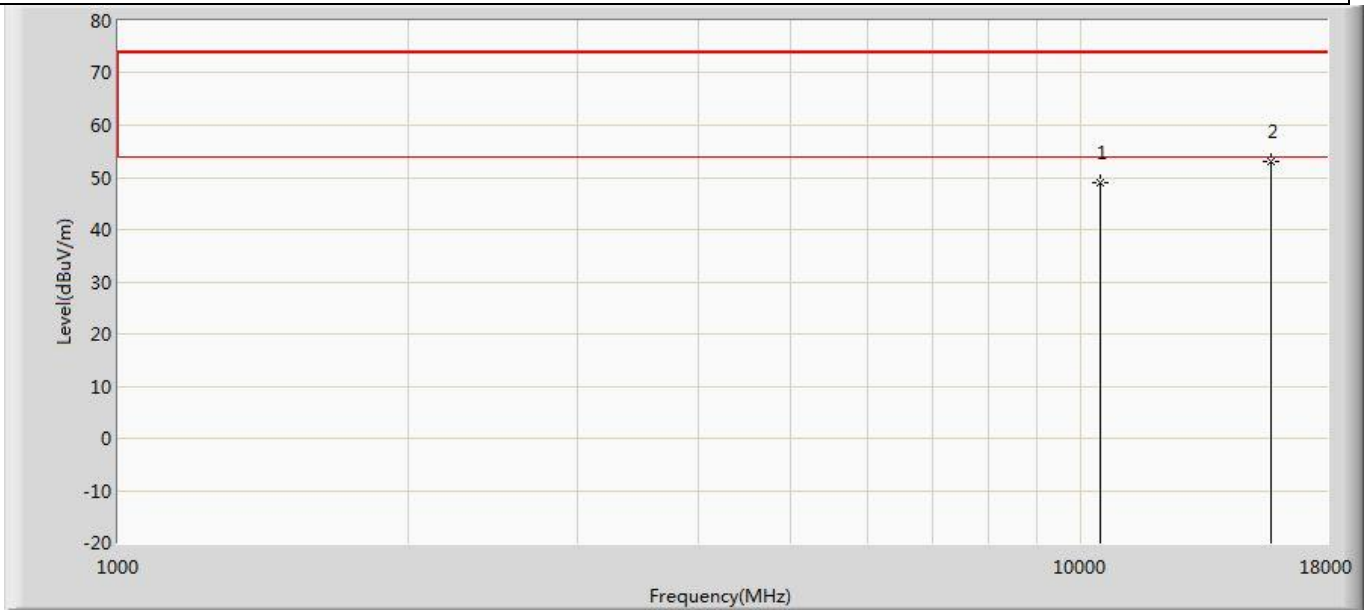
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.041	50.335	-26.959	74.000	-3.294	PK
2	*	15660.000	51.171	50.160	-22.829	74.000	1.011	PK

Profile: 2390387R	Page No.: 110
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5220MHz by 802.11n(20MHz) with Ant2	



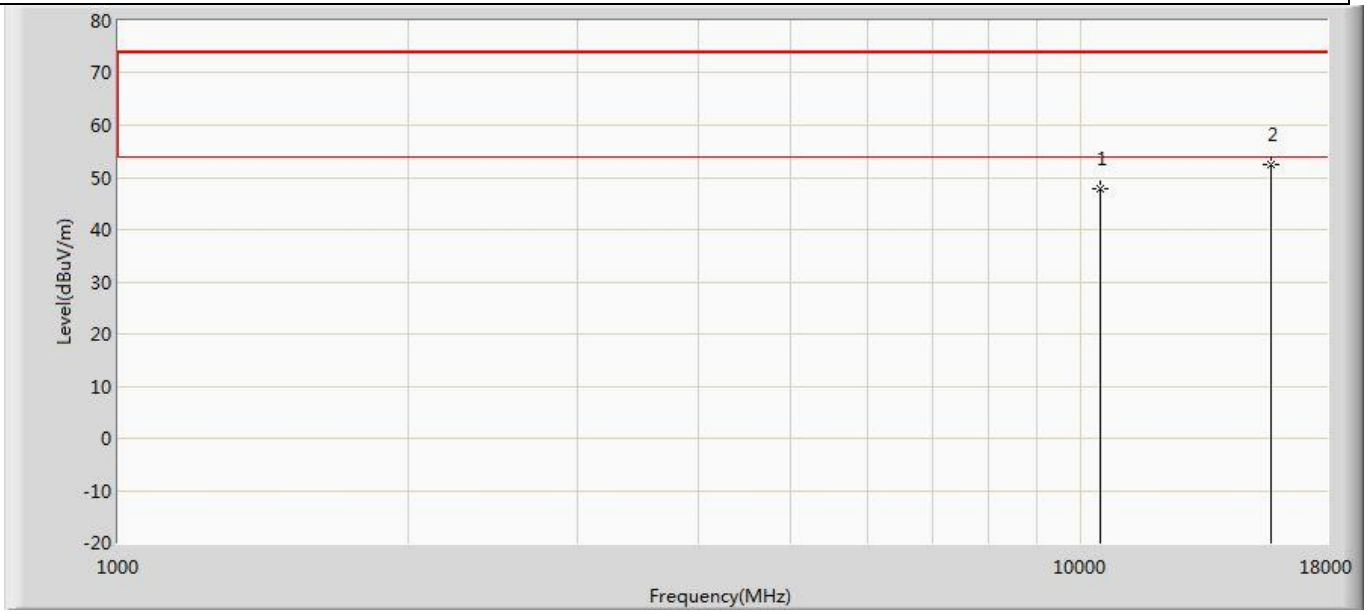
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.747	51.041	-26.253	74.000	-3.294	PK
2	*	15660.000	51.812	50.801	-22.188	74.000	1.011	PK

Profile: 2390387R	Page No.: 111
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5240MHz by 802.11n(20MHz) with Ant2	



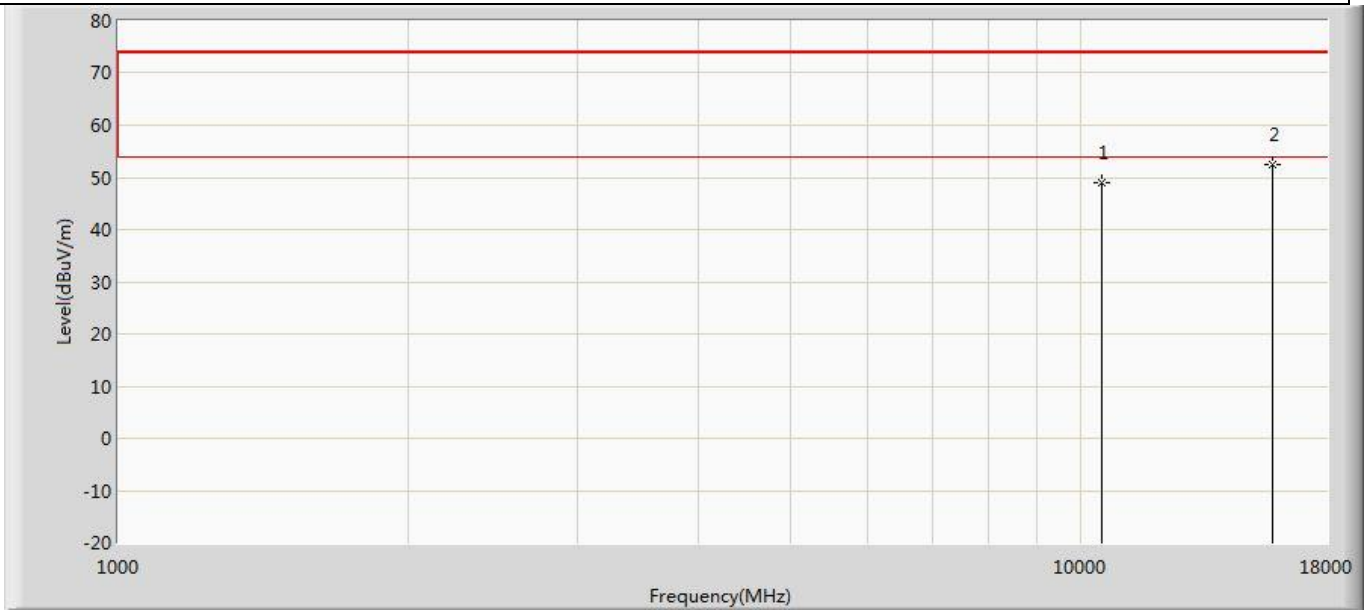
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	48.897	52.176	-25.103	74.000	-3.279	PK
2	*	15720.000	52.919	51.399	-21.081	74.000	1.520	PK

Profile: 2390387R	Page No.: 112
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5240MHz by 802.11n(20MHz) with Ant2	



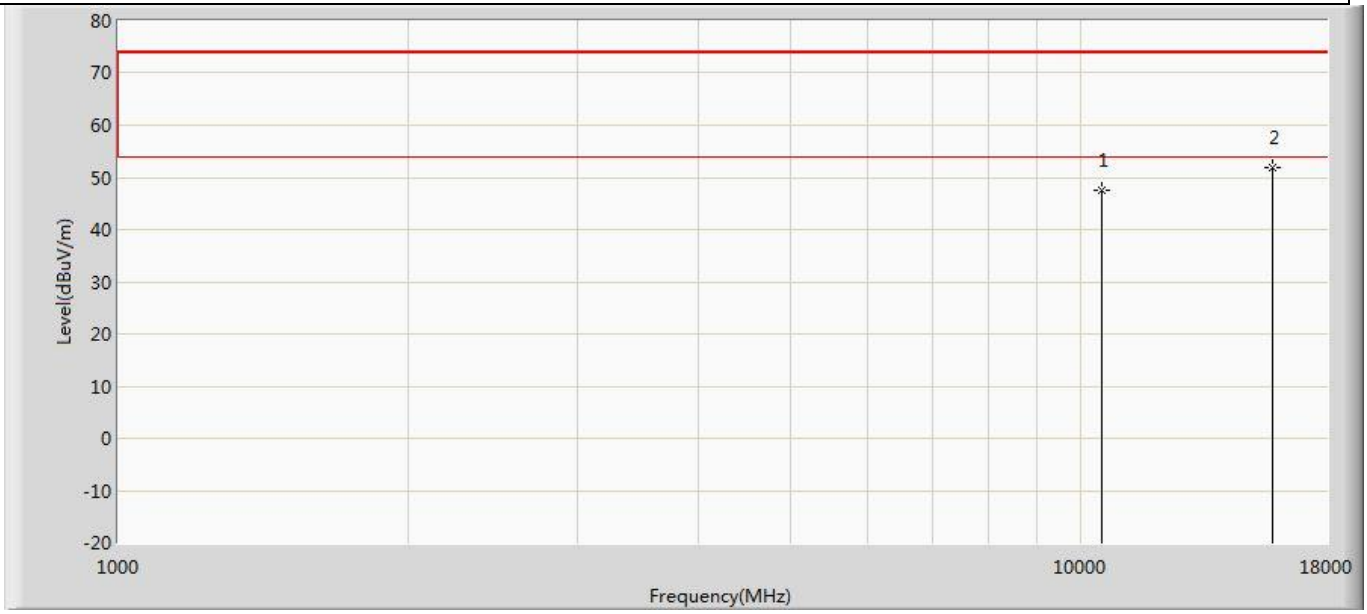
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	47.799	51.078	-26.201	74.000	-3.279	PK
2	*	15720.000	52.388	50.868	-21.612	74.000	1.520	PK

Profile: 2390387R	Page No.: 113
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5260MHz by 802.11n(20MHz) with Ant2	



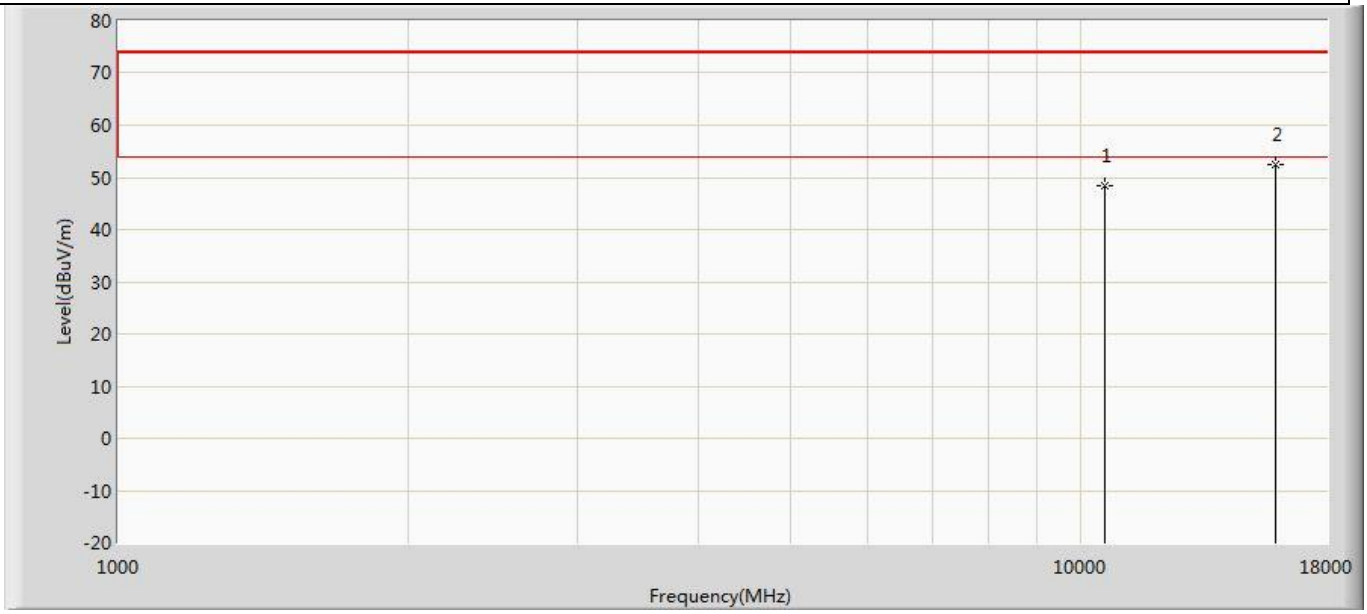
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	48.901	52.140	-25.099	74.000	-3.239	PK
2	*	15780.000	52.419	51.161	-21.581	74.000	1.257	PK

Profile: 2390387R	Page No.: 114
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5260MHz by 802.11n(20MHz) with Ant2	



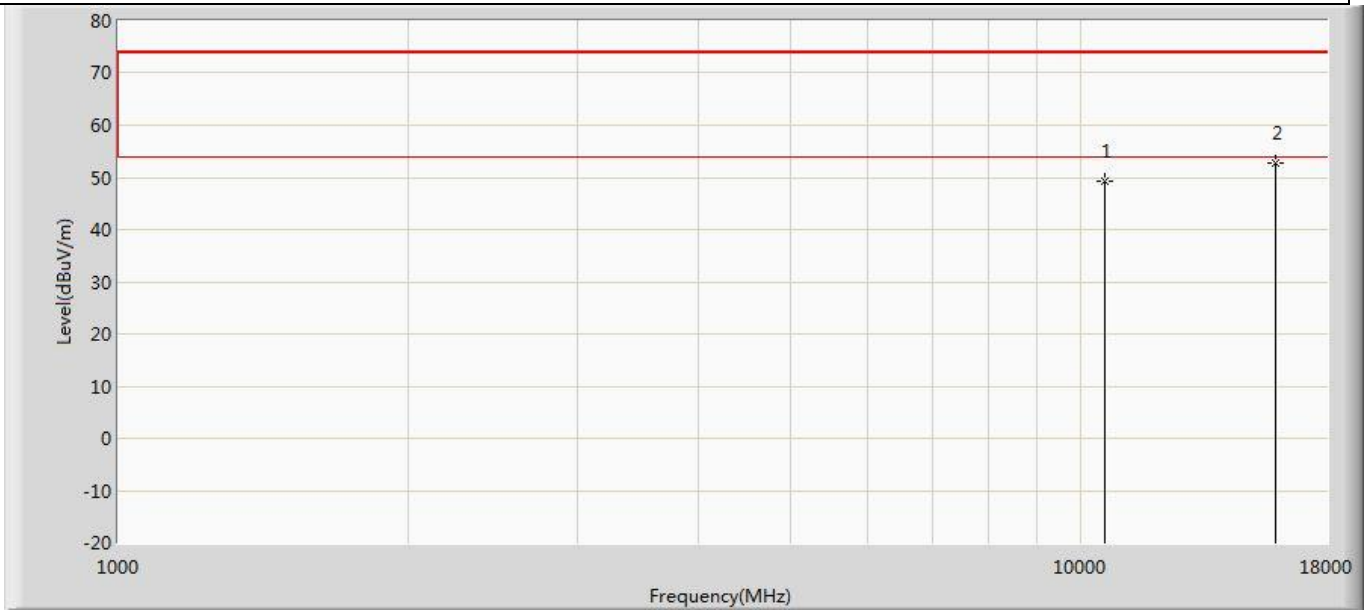
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	47.585	50.824	-26.415	74.000	-3.239	PK
2	*	15780.000	52.021	50.763	-21.979	74.000	1.257	PK

Profile: 2390387R	Page No.: 115
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5300MHz by 802.11n(20MHz) with Ant2	



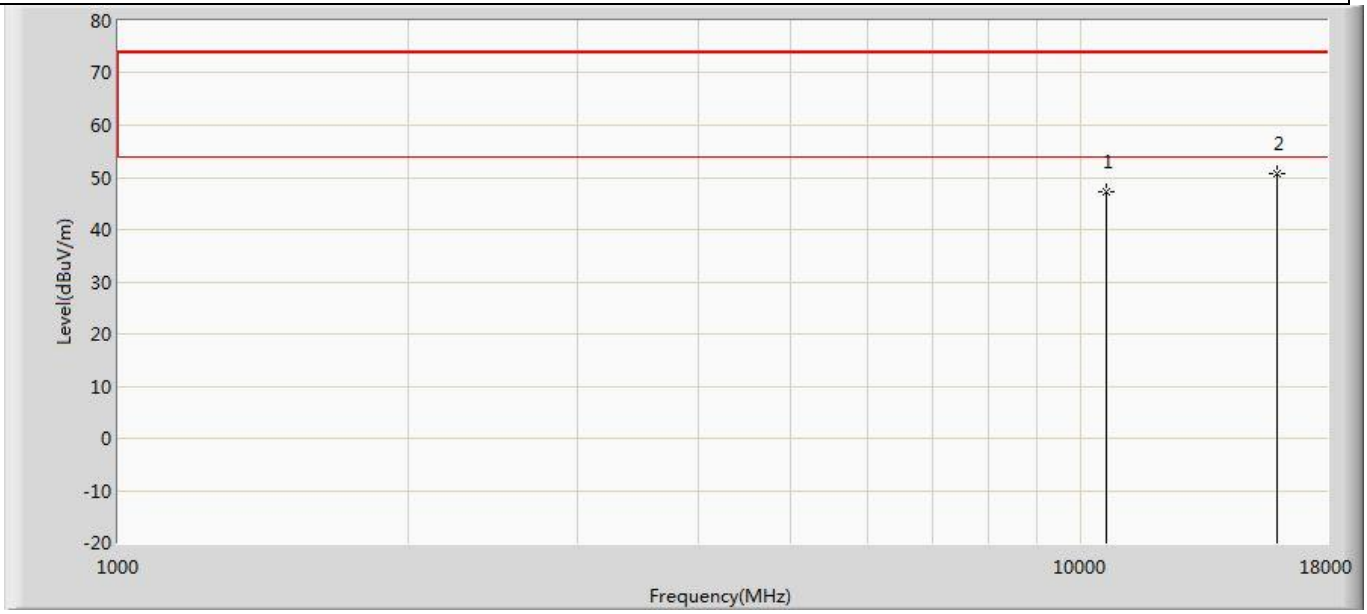
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	48.353	51.055	-25.647	74.000	-2.702	PK
2	*	15900.000	52.444	50.377	-21.556	74.000	2.067	PK

Profile: 2390387R	Page No.: 116
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5300MHz by 802.11n(20MHz) with Ant2	



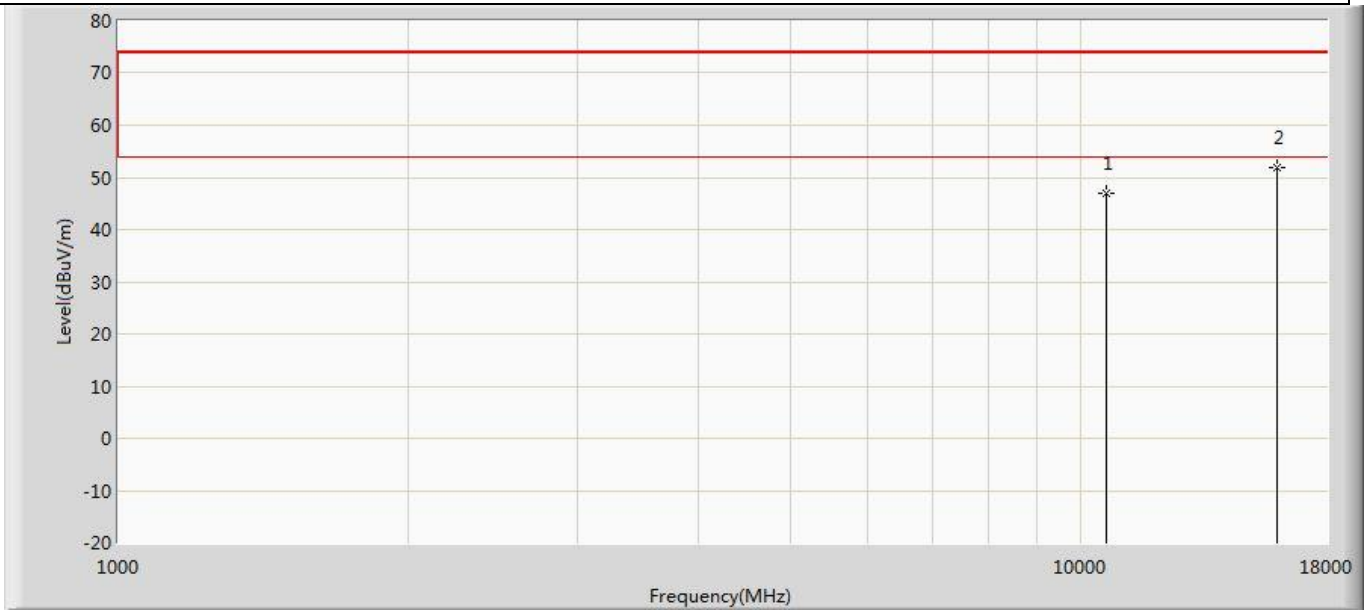
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	49.132	51.834	-24.868	74.000	-2.702	PK
2	*	15900.000	52.803	50.736	-21.197	74.000	2.067	PK

Profile: 2390387R	Page No.: 117
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5320MHz by 802.11n(20MHz) with Ant2	



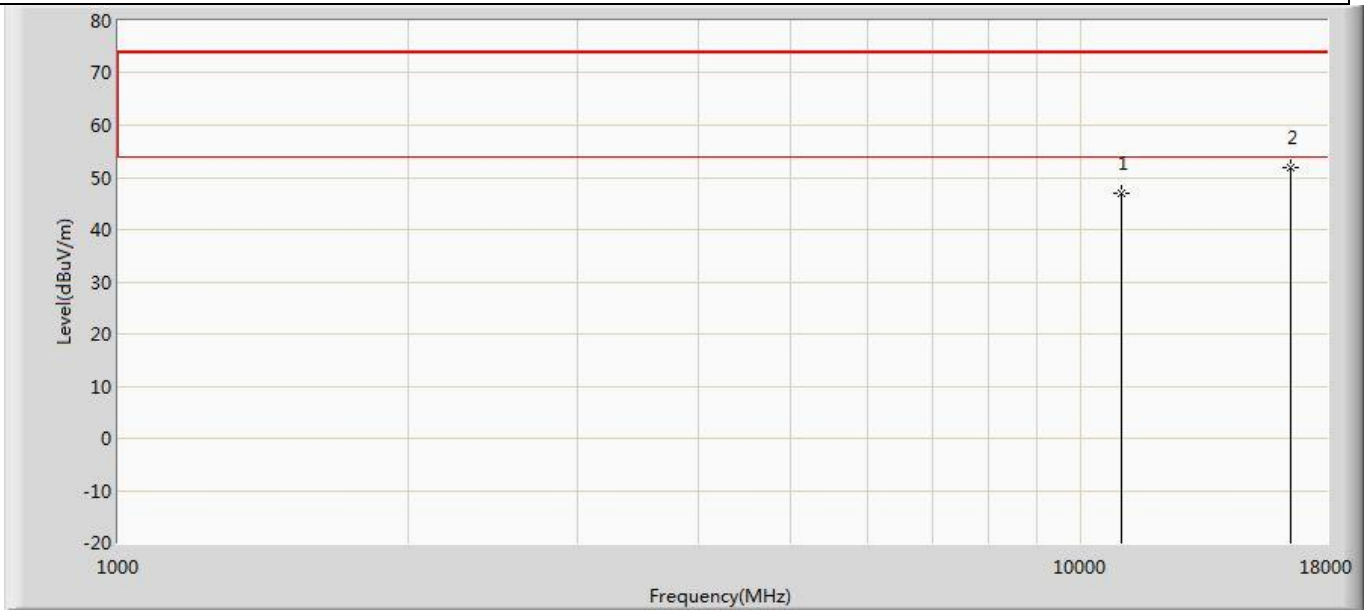
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	47.316	50.680	-26.684	74.000	-3.364	PK
2	*	15960.000	50.595	49.462	-23.405	74.000	1.133	PK

Profile: 2390387R	Page No.: 118
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5320MHz by 802.11n(20MHz) with Ant2	



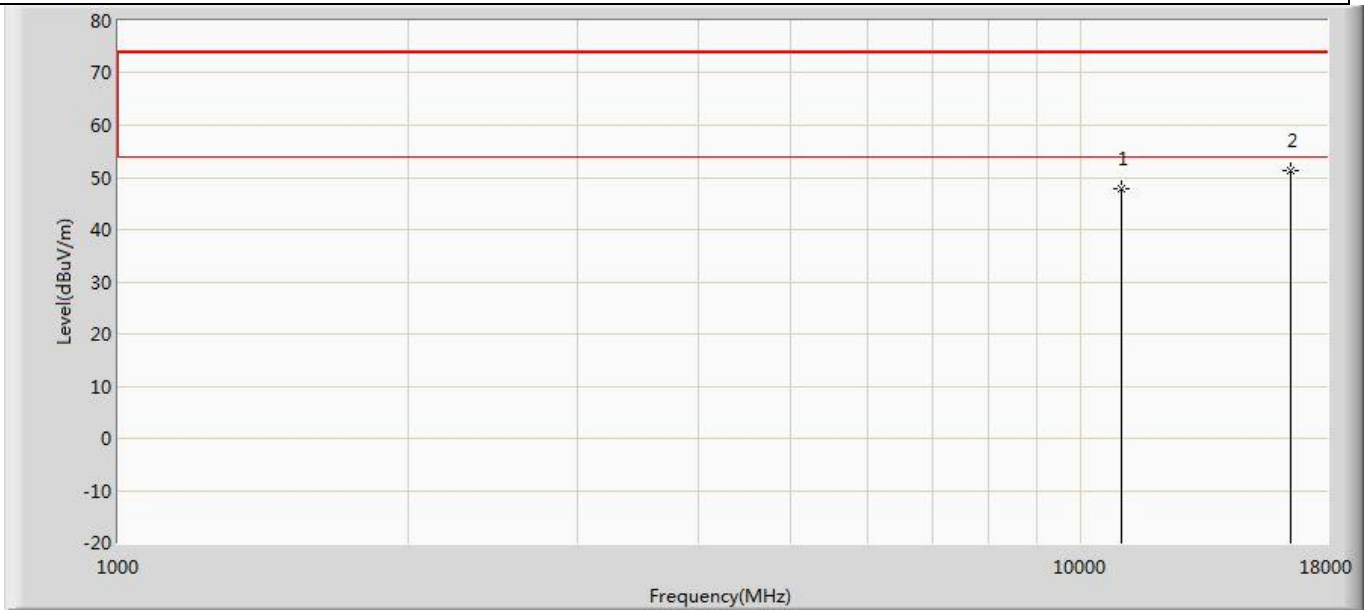
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	46.926	50.290	-27.074	74.000	-3.364	PK
2	*	15960.000	51.844	50.711	-22.156	74.000	1.133	PK

Profile: 2390387R	Page No.: 119
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5500MHz by 802.11n(20MHz) with Ant2	



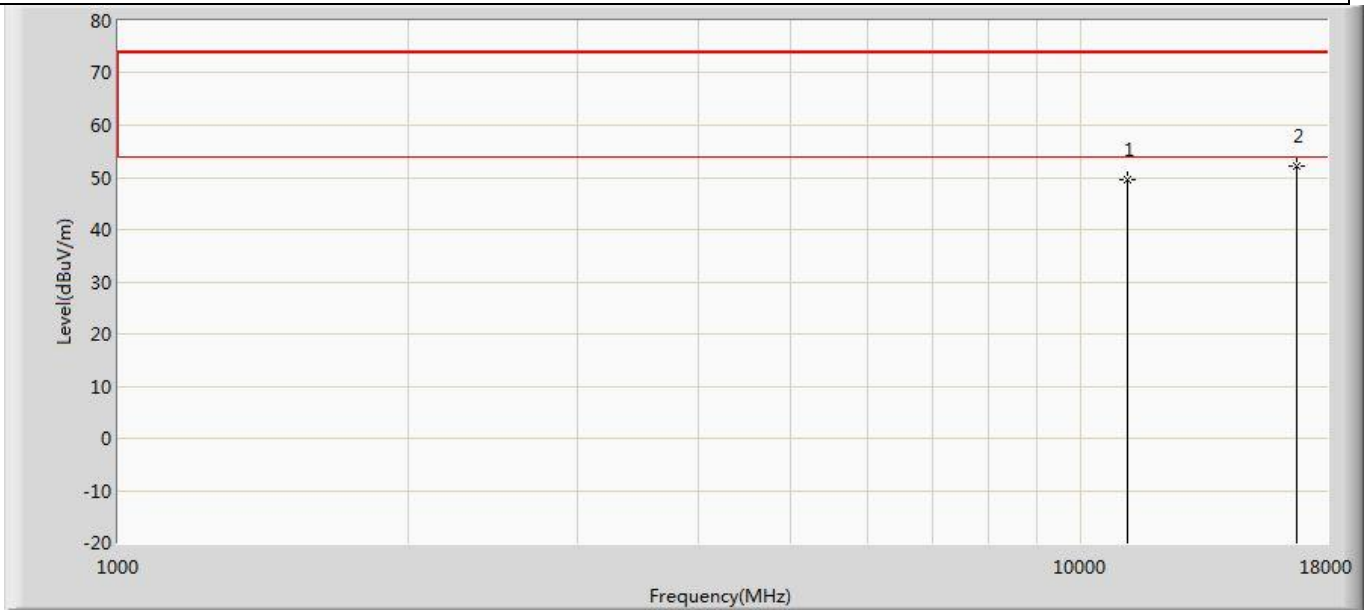
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	46.967	49.750	-27.033	74.000	-2.783	PK
2	*	16500.000	51.806	49.864	-22.194	74.000	1.942	PK

Profile: 2390387R	Page No.: 120
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5500MHz by 802.11n(20MHz) with Ant2	



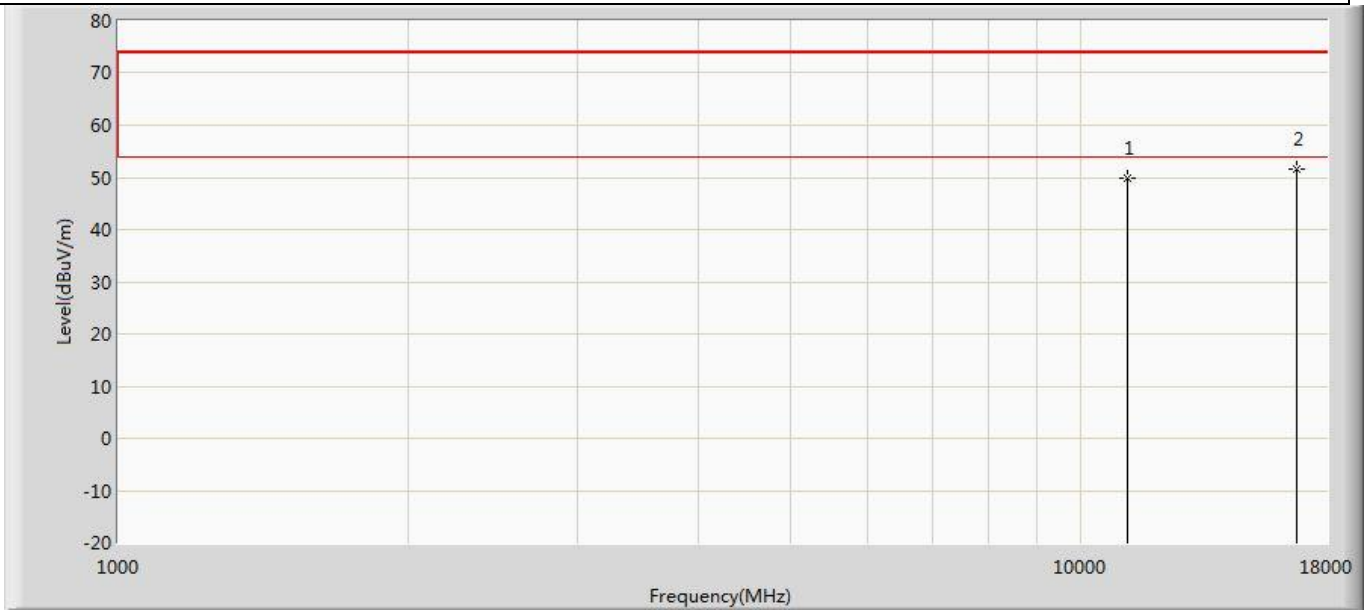
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	47.945	50.728	-26.055	74.000	-2.783	PK
2	*	16500.000	51.213	49.271	-22.787	74.000	1.942	PK

Profile: 2390387R	Page No.: 121
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5580MHz by 802.11n(20MHz) with Ant2	



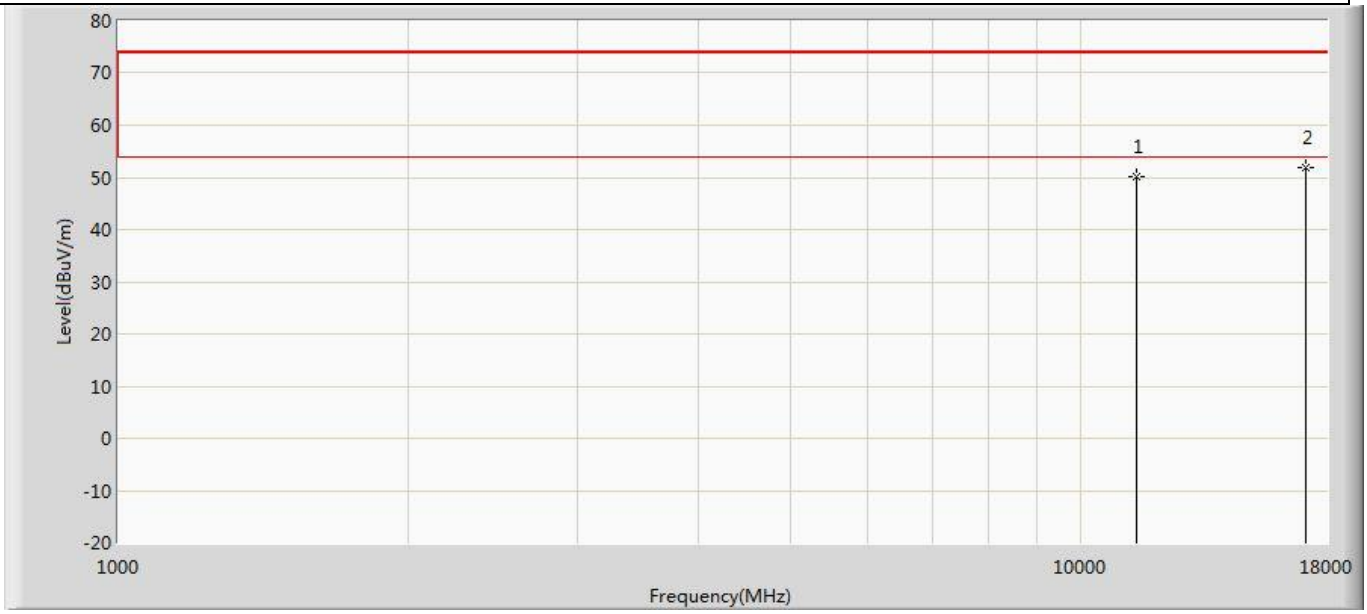
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	49.522	50.707	-24.478	74.000	-1.185	PK
2	*	16740.000	52.038	47.980	-21.962	74.000	4.058	PK

Profile: 2390387R	Page No.: 122
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5580MHz by 802.11n(20MHz) with Ant2	



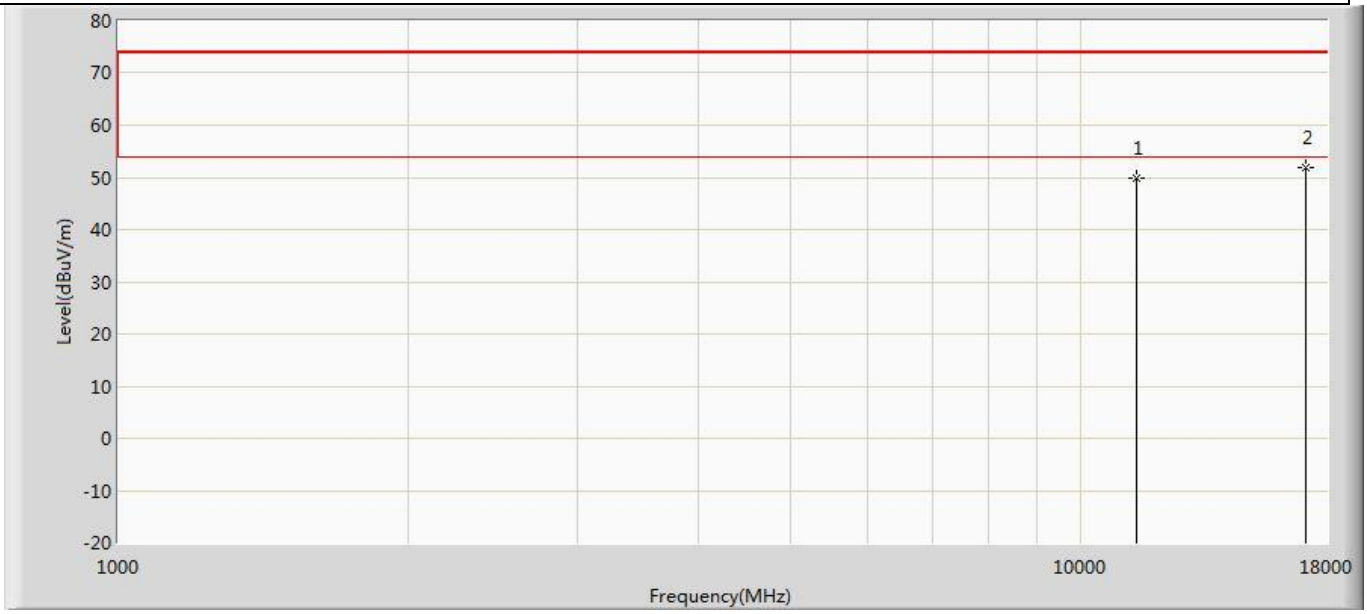
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	49.895	51.080	-24.105	74.000	-1.185	PK
2	*	16740.000	51.608	47.550	-22.392	74.000	4.058	PK

Profile: 2390387R	Page No.: 123
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:07
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5700MHz by 802.11n(20MHz) with Ant2	



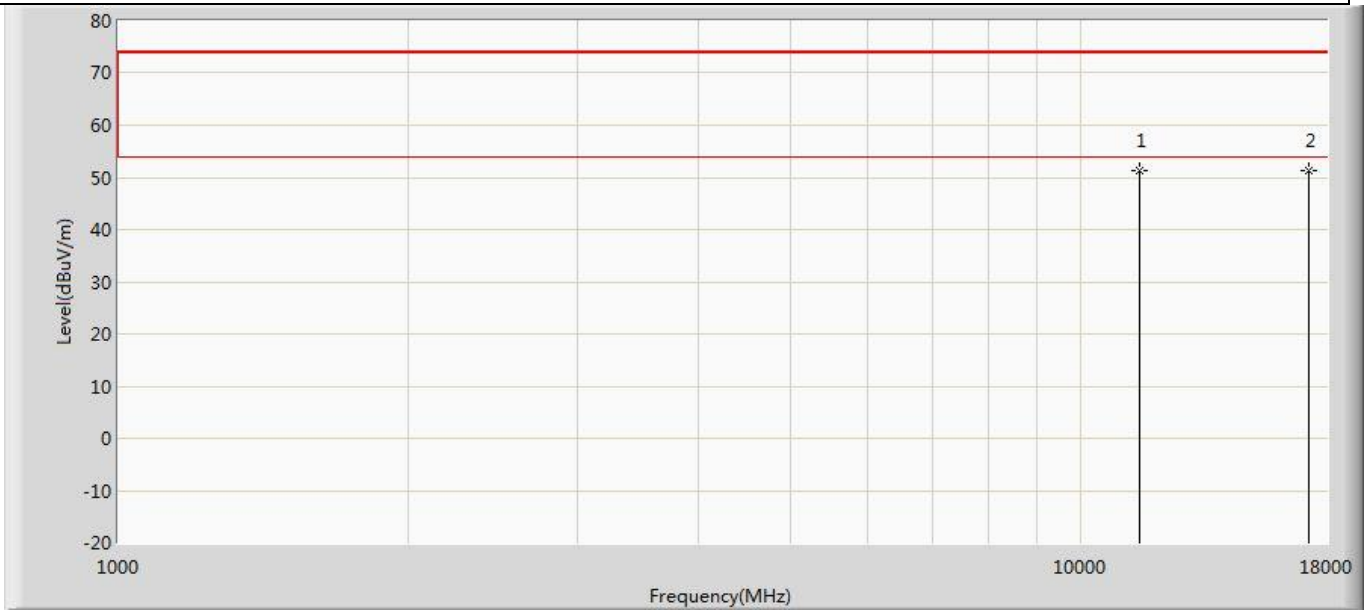
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	50.130	51.172	-23.870	74.000	-1.042	PK
2	*	17100.000	52.014	47.227	-21.986	74.000	4.787	PK

Profile: 2390387R	Page No.: 124
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5700MHz by 802.11n(20MHz) with Ant2	



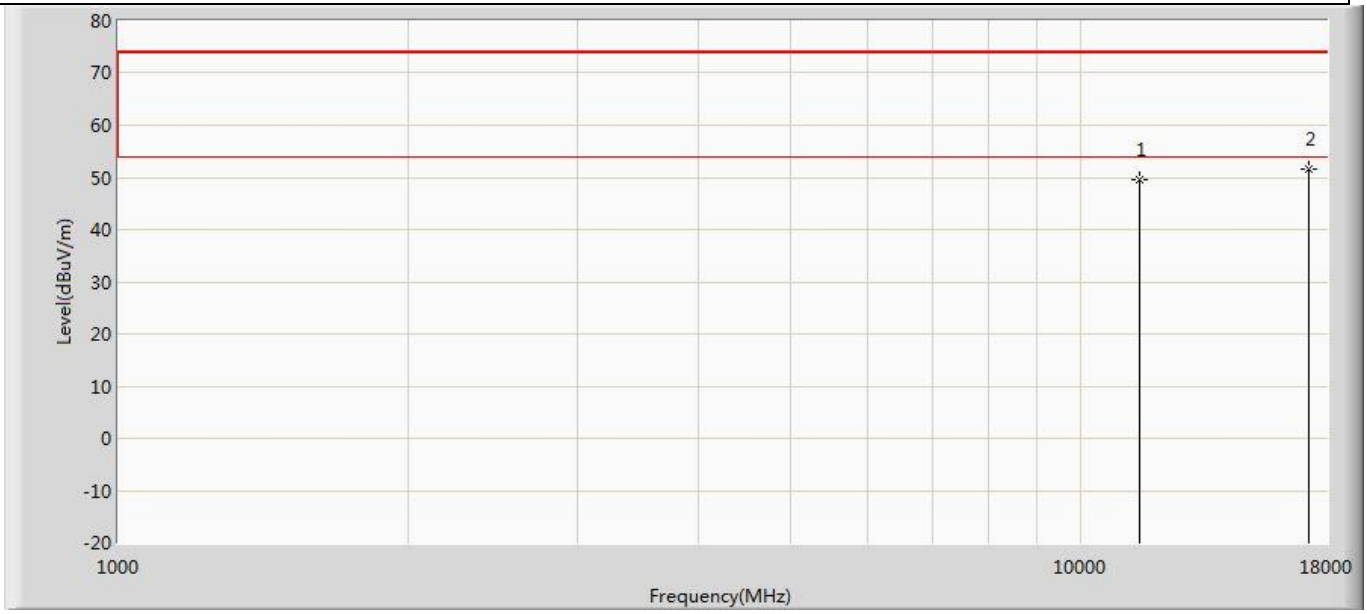
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	49.893	50.935	-24.107	74.000	-1.042	PK
2	*	17100.000	51.882	47.095	-22.118	74.000	4.787	PK

Profile: 2390387R	Page No.: 35
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5745MHz by 802.11n(20MHz) with Ant2	



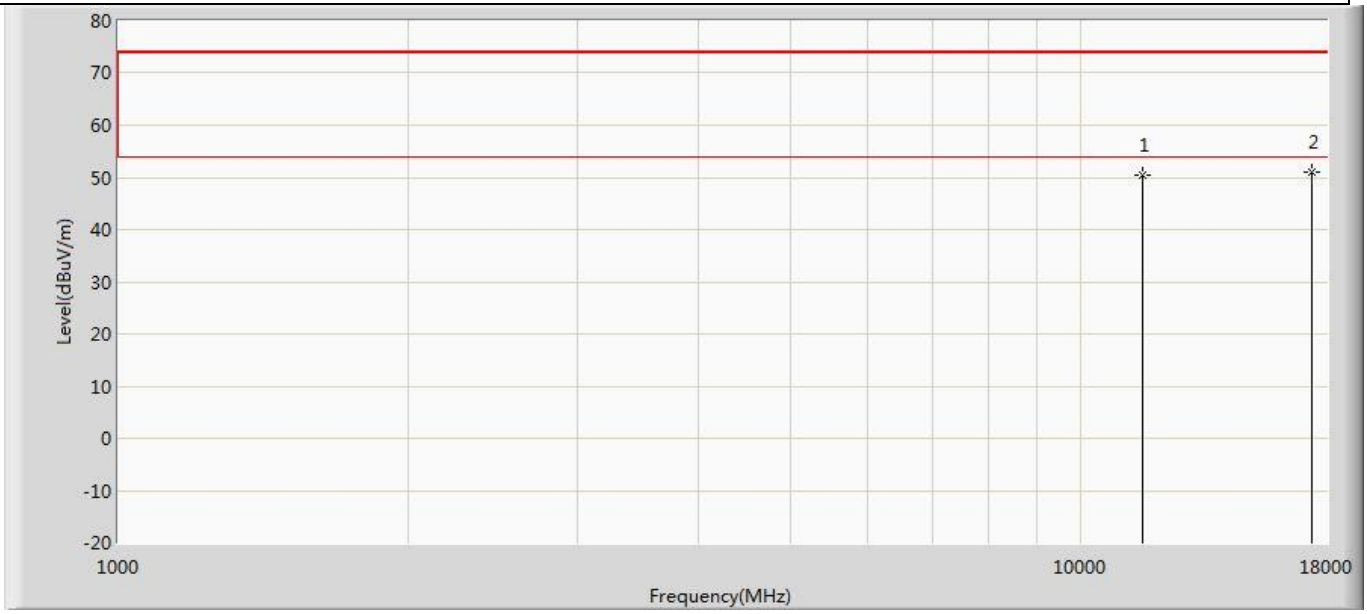
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	51.344	51.868	-22.656	74.000	-0.524	PK
2	*	17235.000	51.438	46.001	-22.562	74.000	5.437	PK

Profile: 2390387R	Page No.: 36
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5745MHz by 802.11n(20MHz) with Ant2	



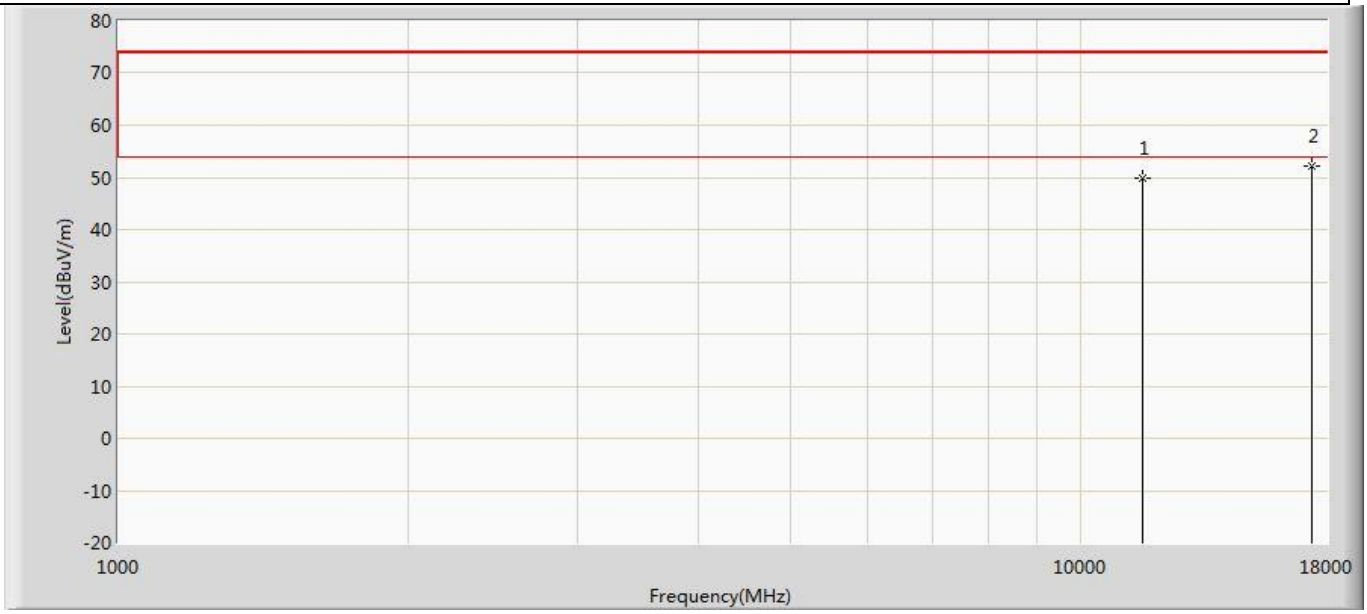
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	49.555	50.079	-24.445	74.000	-0.524	PK
2	*	17235.000	51.542	46.105	-22.458	74.000	5.437	PK

Profile: 2390387R	Page No.: 37
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5785MHz by 802.11n(20MHz) with Ant2	



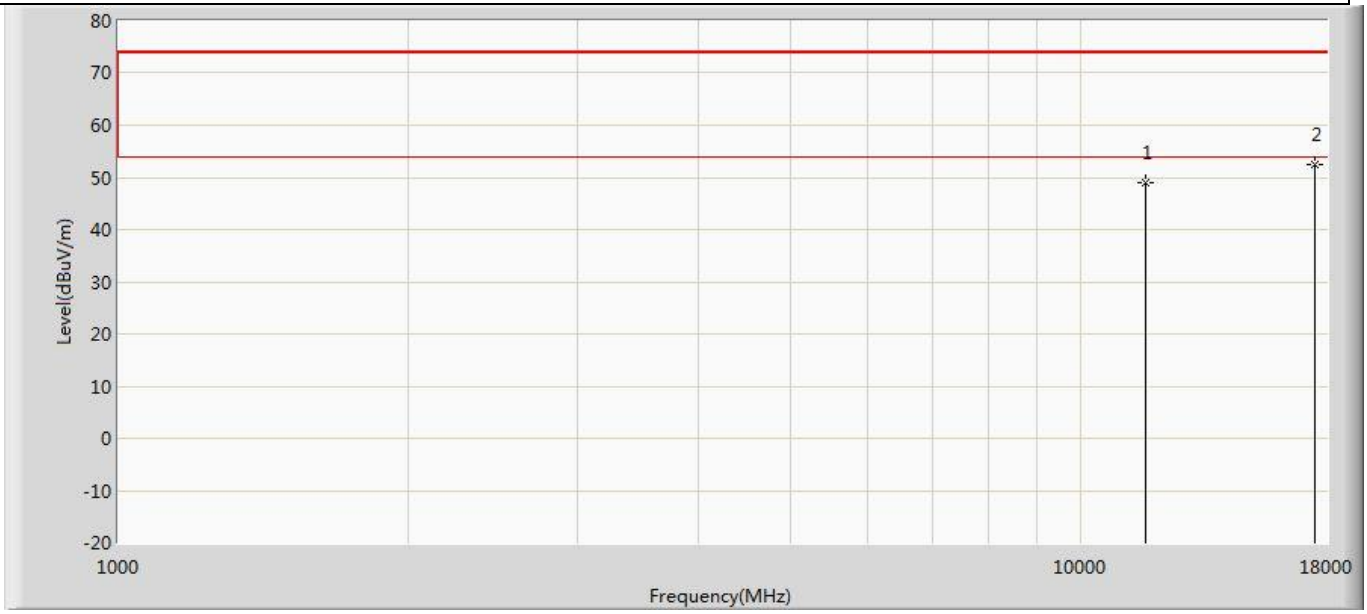
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	50.423	51.612	-23.577	74.000	-1.189	PK
2	*	17355.000	51.068	46.606	-22.932	74.000	4.461	PK

Profile: 2390387R	Page No.: 38
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5785MHz by 802.11n(20MHz) with Ant2	



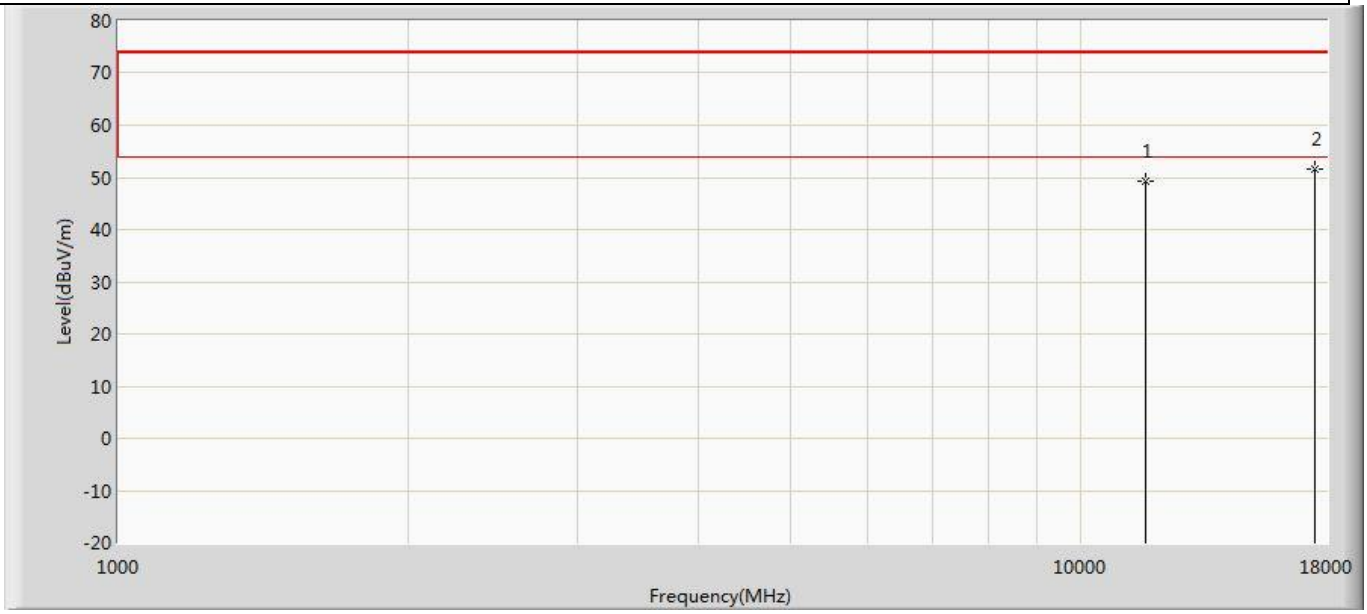
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	49.961	51.150	-24.039	74.000	-1.189	PK
2	*	17355.000	52.077	47.615	-21.923	74.000	4.461	PK

Profile: 2390387R	Page No.: 39
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5825MHz by 802.11n(20MHz) with Ant2	



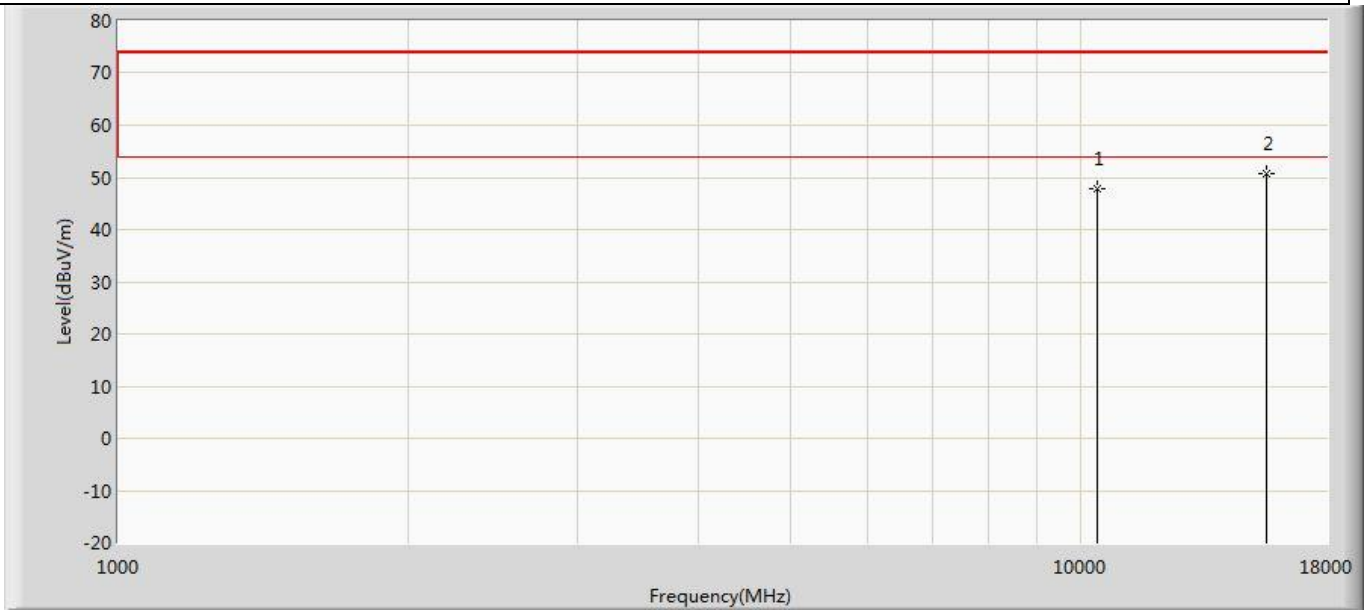
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	49.102	50.778	-24.898	74.000	-1.676	PK
2	*	17475.000	52.507	48.313	-21.493	74.000	4.195	PK

Profile: 2390387R	Page No.: 40
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5825MHz by 802.11n(20MHz) with Ant2	



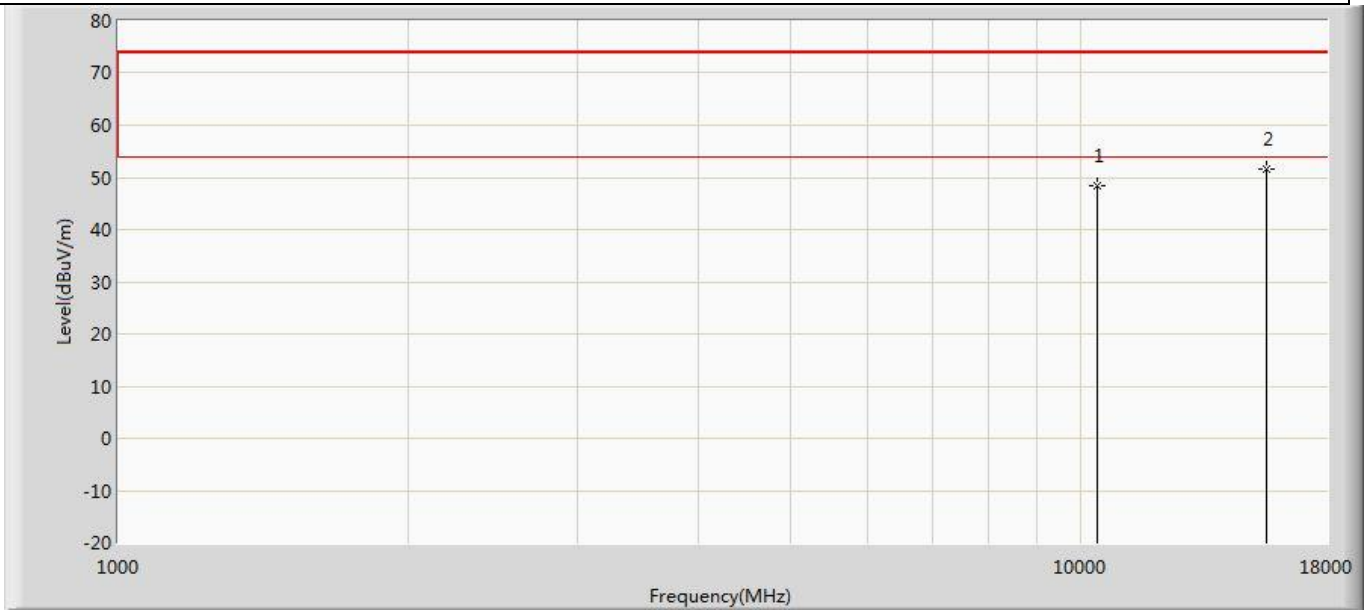
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	49.229	50.905	-24.771	74.000	-1.676	PK
2	*	17475.000	51.673	47.479	-22.327	74.000	4.195	PK

Profile: 2390387R	Page No.: 125
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5190MHz by 802.11n(40MHz) with Ant2	



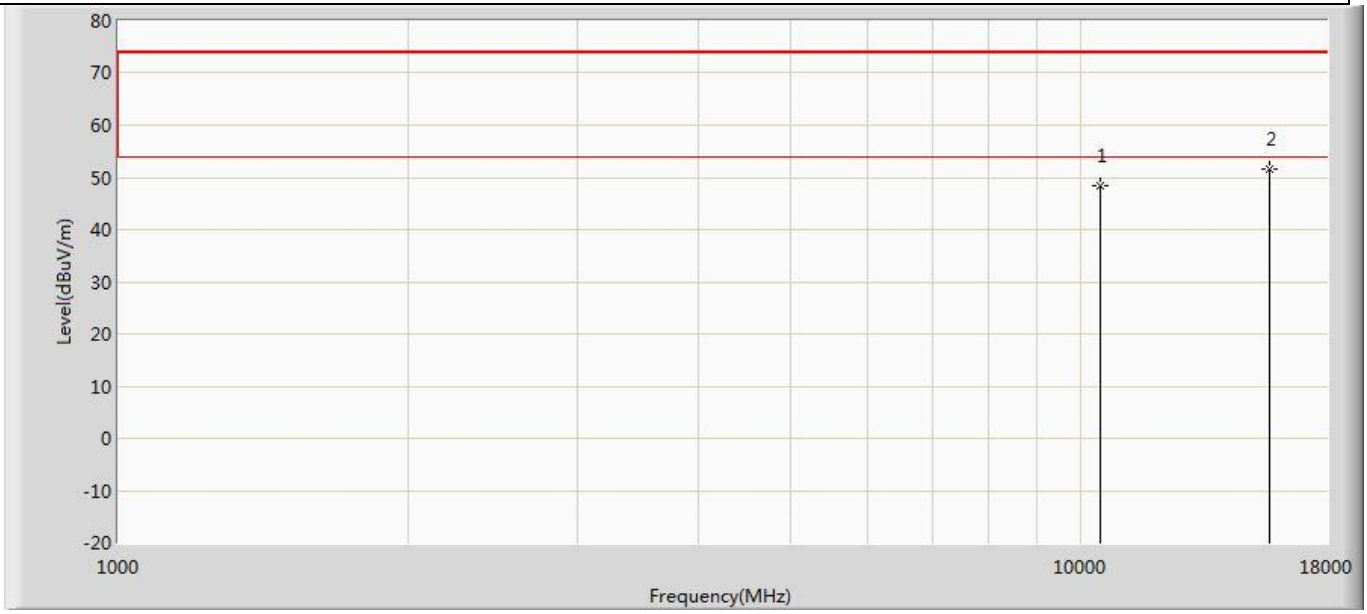
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	47.935	51.140	-26.065	74.000	-3.205	PK
2	*	15570.000	50.684	50.390	-23.316	74.000	0.294	PK

Profile: 2390387R	Page No.: 126
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5190MHz by 802.11n(40MHz) with Ant2	



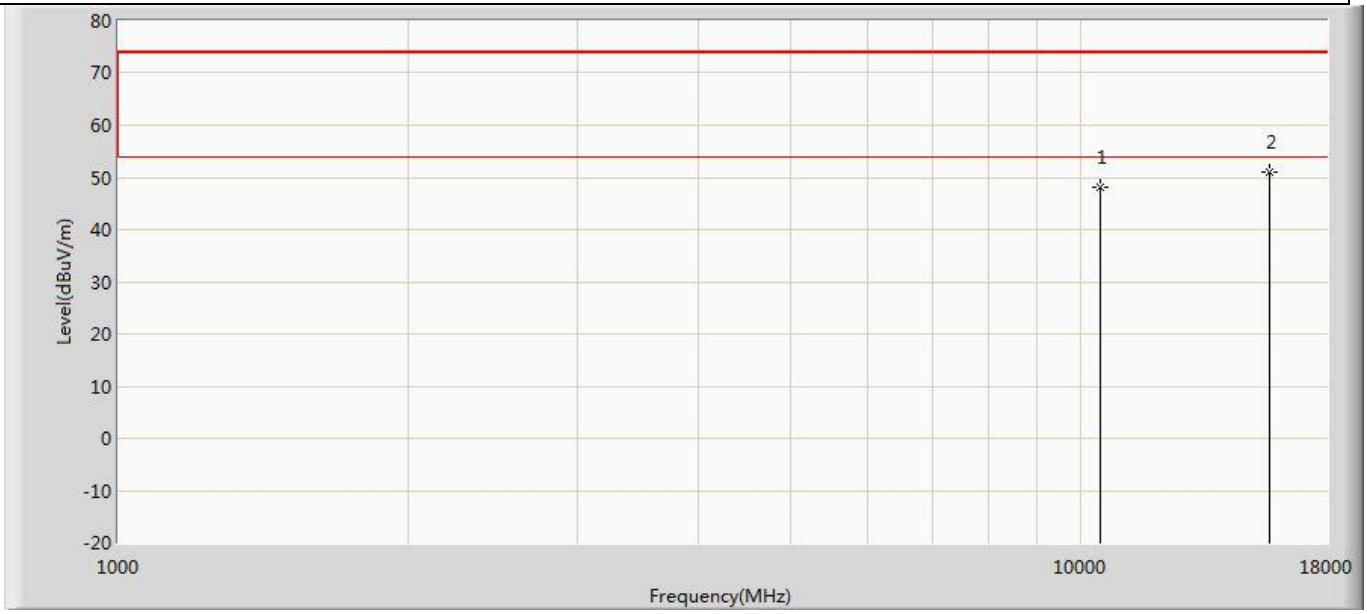
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	48.405	51.610	-25.595	74.000	-3.205	PK
2	*	15570.000	51.736	51.442	-22.264	74.000	0.294	PK

Profile: 2390387R	Page No.: 127
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5230MHz by 802.11n(40MHz) with Ant2	



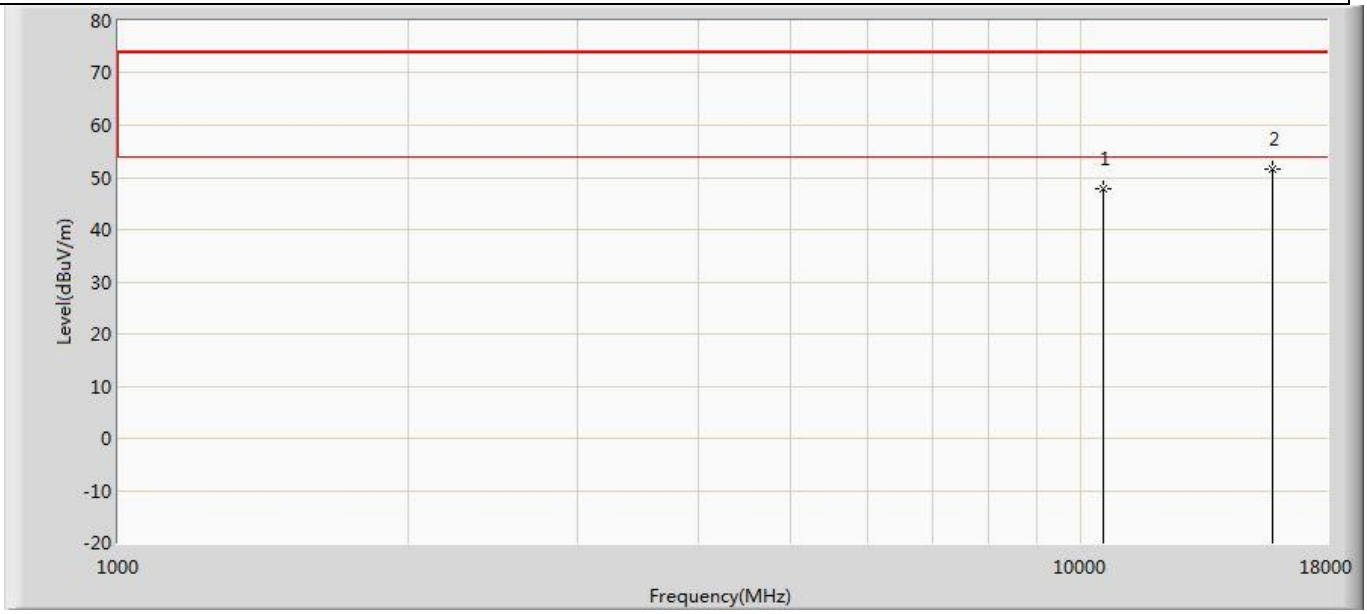
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	48.436	51.776	-25.564	74.000	-3.341	PK
2	*	15690.000	51.674	51.398	-22.326	74.000	0.276	PK

Profile: 2390387R	Page No.: 128
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5230MHz by 802.11n(40MHz) with Ant2	



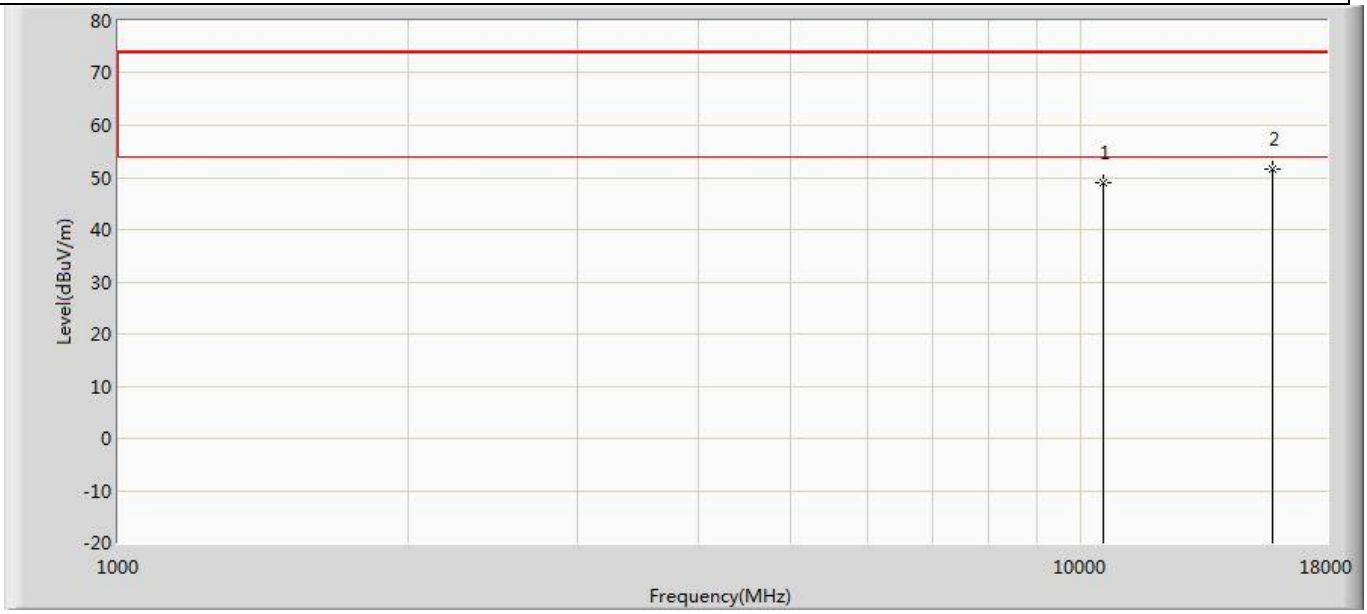
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	48.047	51.387	-25.953	74.000	-3.341	PK
2	*	15690.000	51.000	50.724	-23.000	74.000	0.276	PK

Profile: 2390387R	Page No.: 129
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5270MHz by 802.11n(40MHz) with Ant2	



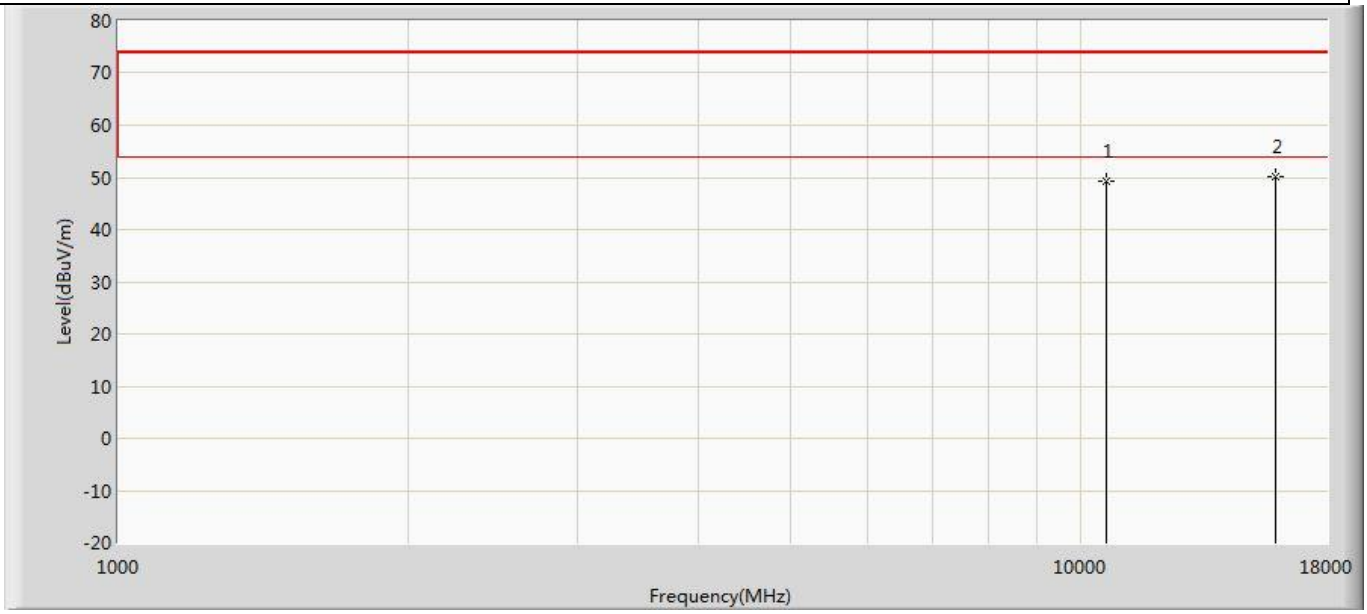
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	47.794	51.004	-26.206	74.000	-3.210	PK
2	*	15810.000	51.739	50.673	-22.261	74.000	1.066	PK

Profile: 2390387R	Page No.: 130
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5270MHz by 802.11n(40MHz) with Ant2	



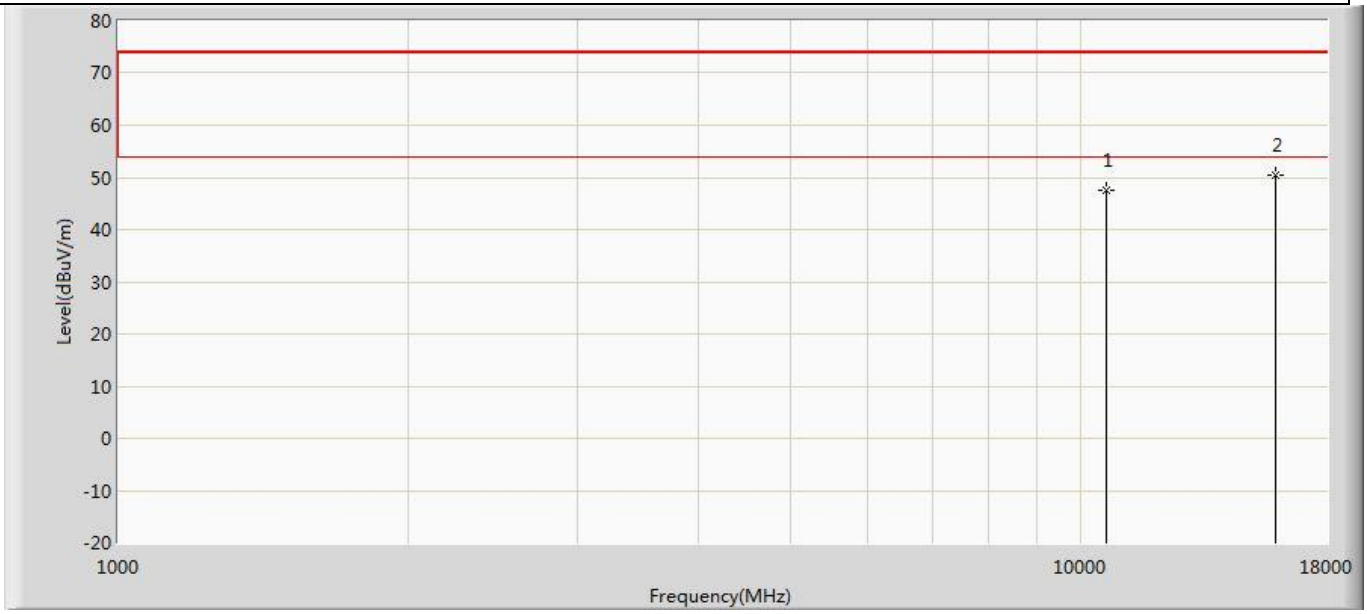
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	49.033	52.243	-24.967	74.000	-3.210	PK
2	*	15810.000	51.655	50.589	-22.345	74.000	1.066	PK

Profile: 2390387R	Page No.: 131
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5310MHz by 802.11n(40MHz) with Ant2	



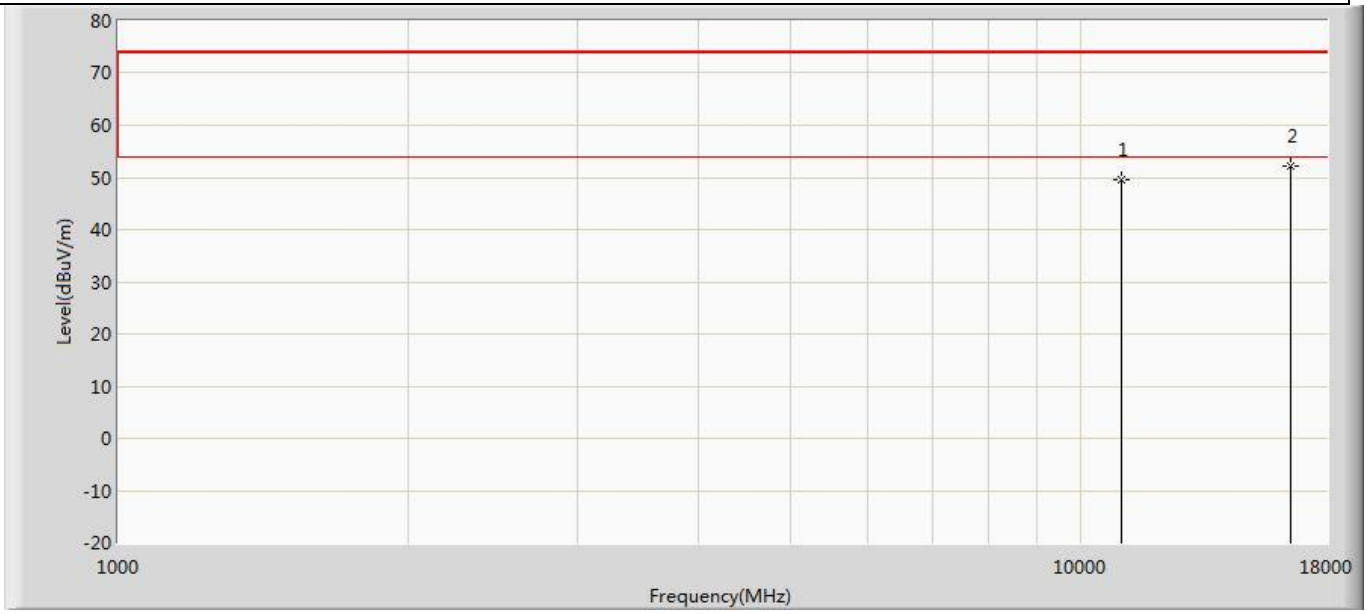
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	49.207	52.423	-24.793	74.000	-3.217	PK
2	*	15930.000	50.262	49.071	-23.738	74.000	1.191	PK

Profile: 2390387R	Page No.: 132
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5310MHz by 802.11n(40MHz) with Ant2	



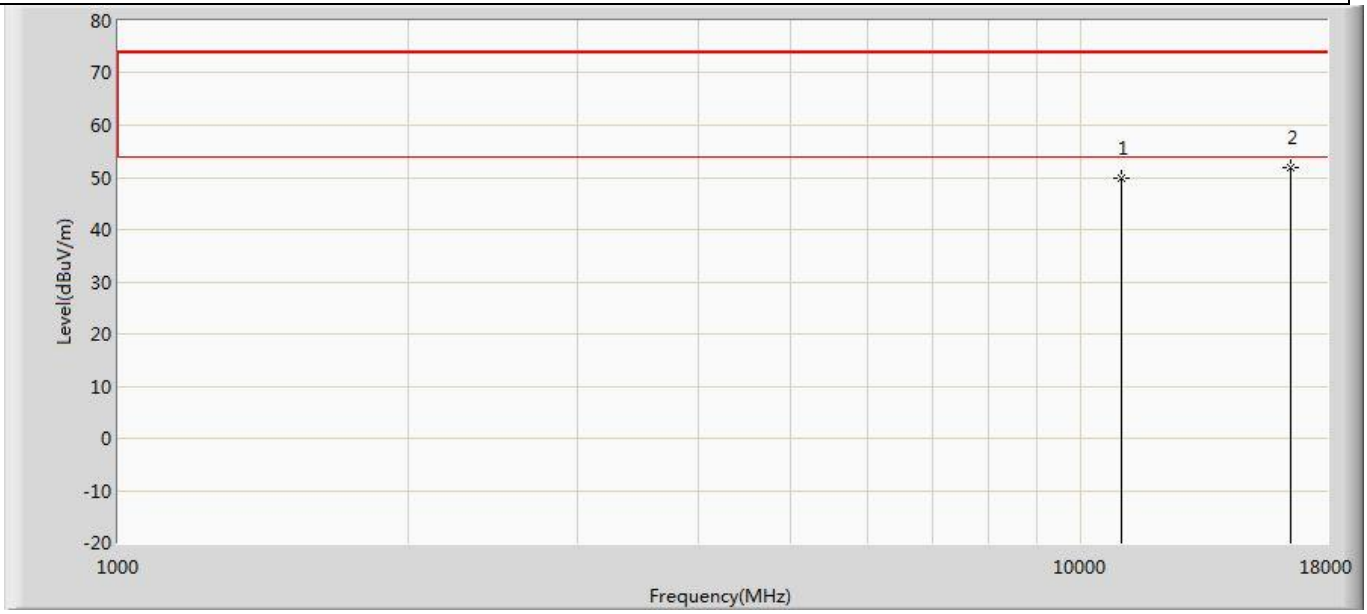
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	47.492	50.708	-26.508	74.000	-3.217	PK
2	*	15930.000	50.543	49.352	-23.457	74.000	1.191	PK

Profile: 2390387R	Page No.: 133
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5510MHz by 802.11n(40MHz) with Ant2	



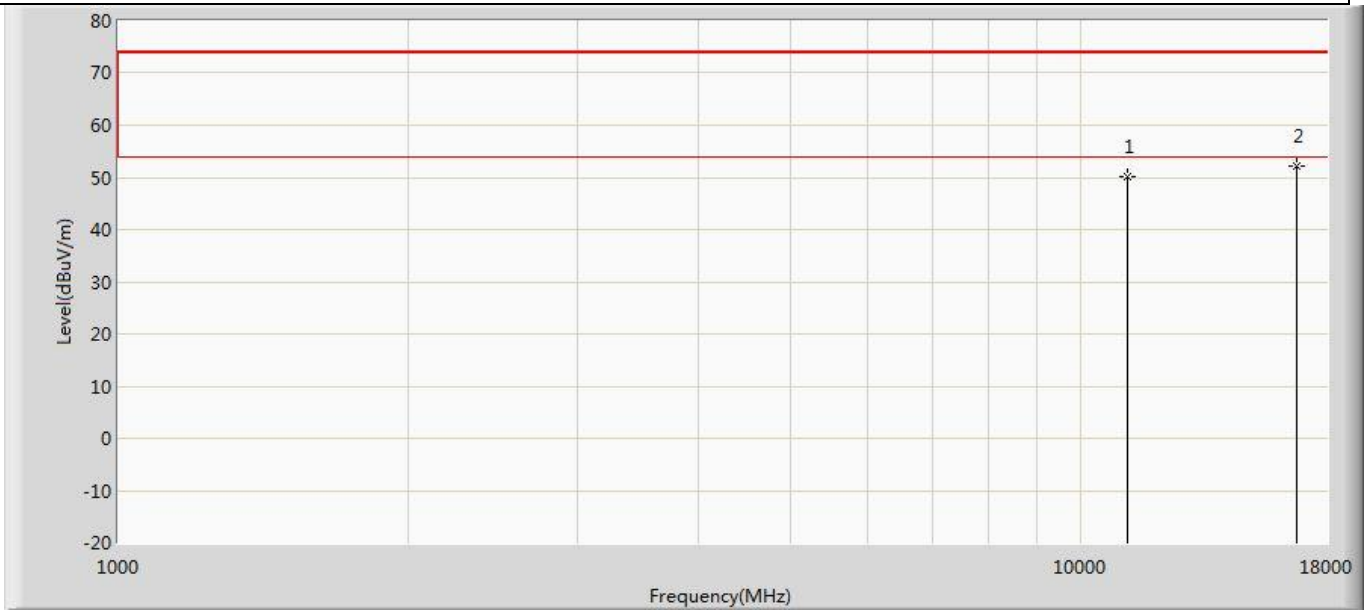
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	49.651	51.753	-24.349	74.000	-2.102	PK
2	*	16530.000	52.056	47.778	-21.944	74.000	4.278	PK

Profile: 2390387R	Page No.: 134
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5510MHz by 802.11n(40MHz) with Ant2	



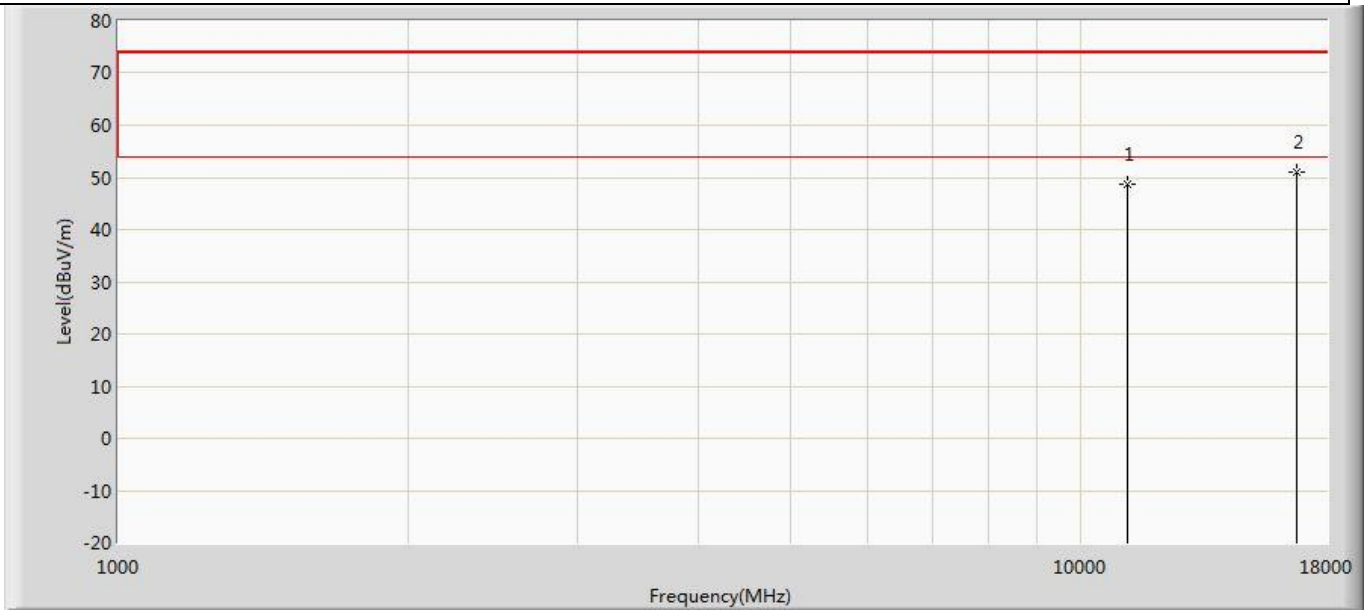
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	49.812	51.914	-24.188	74.000	-2.102	PK
2	*	16530.000	51.774	47.496	-22.226	74.000	4.278	PK

Profile: 2390387R	Page No.: 135
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5590MHz by 802.11n(40MHz) with Ant2	



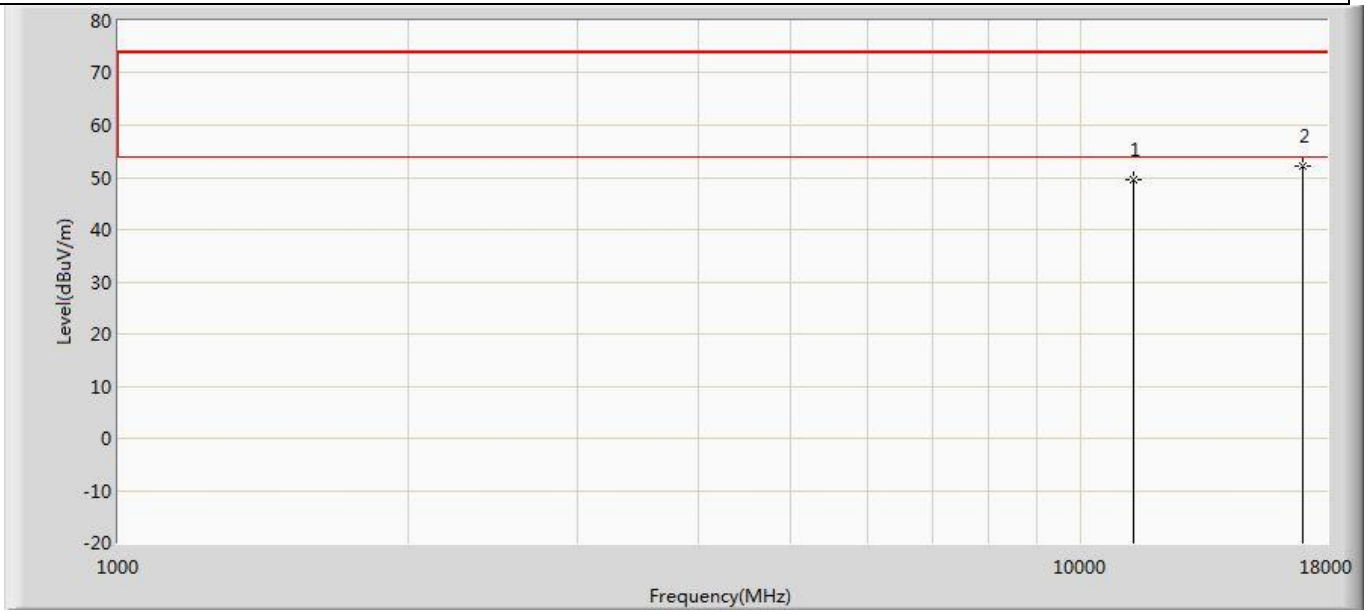
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	50.041	52.274	-23.959	74.000	-2.234	PK
2	*	16770.000	52.110	47.105	-21.890	74.000	5.005	PK

Profile: 2390387R	Page No.: 136
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5590MHz by 802.11n(40MHz) with Ant2	



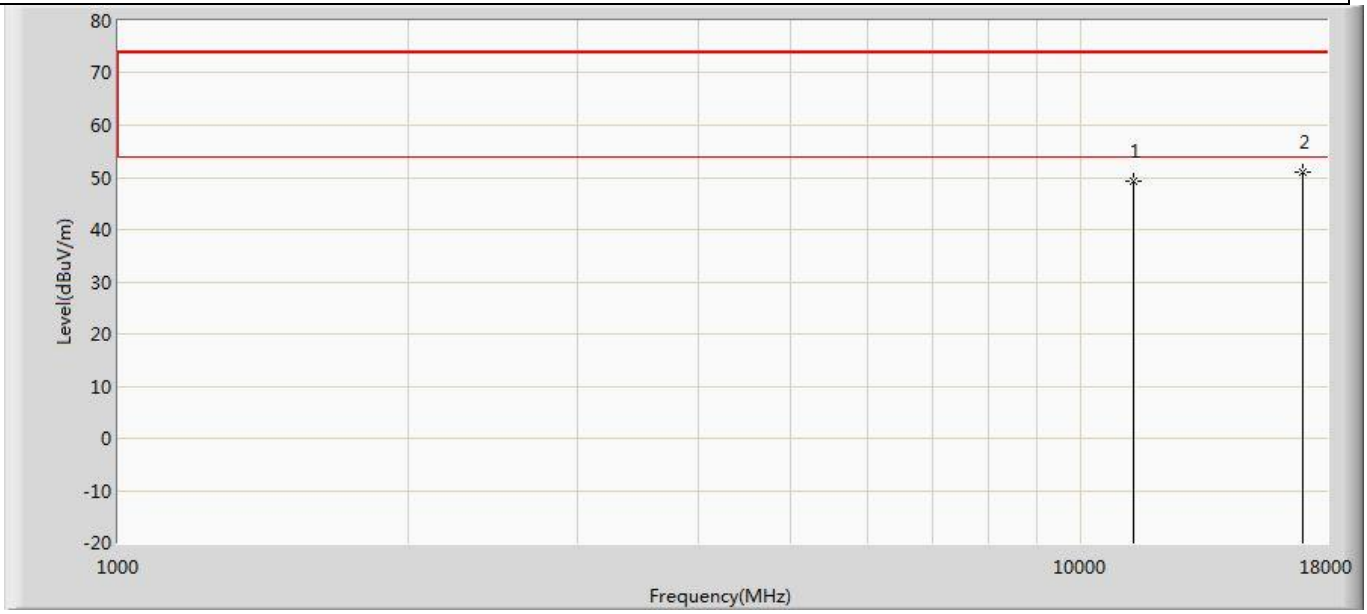
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	48.732	50.965	-25.268	74.000	-2.234	PK
2	*	16770.000	51.159	46.154	-22.841	74.000	5.005	PK

Profile: 2390387R	Page No.: 137
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5670MHz by 802.11n(40MHz) with Ant2	



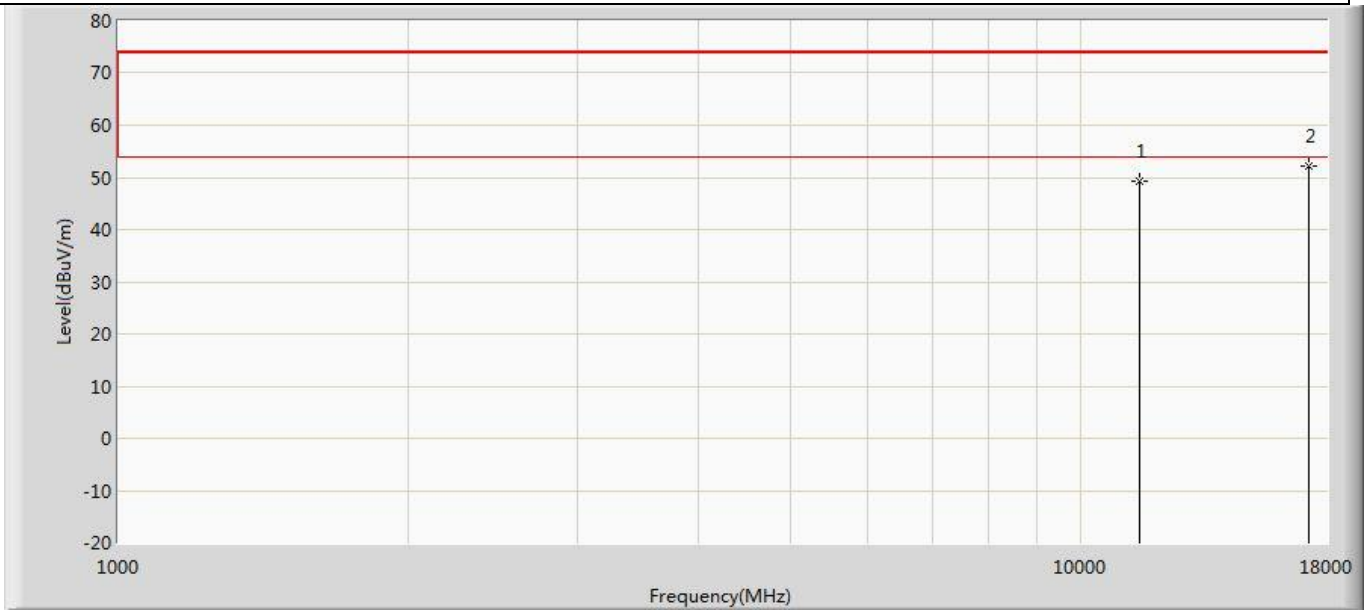
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	49.635	51.006	-24.365	74.000	-1.371	PK
2	*	17010.000	52.035	47.870	-21.965	74.000	4.165	PK

Profile: 2390387R	Page No.: 138
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5670MHz by 802.11n(40MHz) with Ant2	



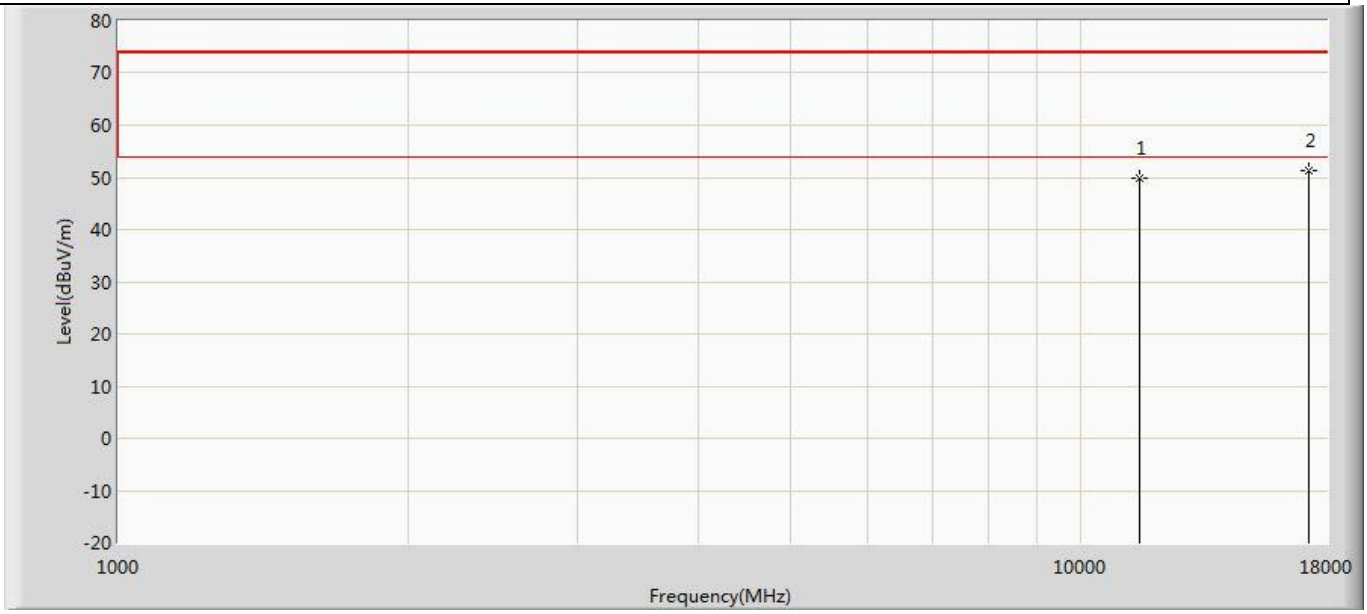
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	49.386	50.757	-24.614	74.000	-1.371	PK
2	*	17010.000	51.043	46.878	-22.957	74.000	4.165	PK

Profile: 2390387R	Page No.: 41
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5755MHz by 802.11n(40MHz) with Ant2	



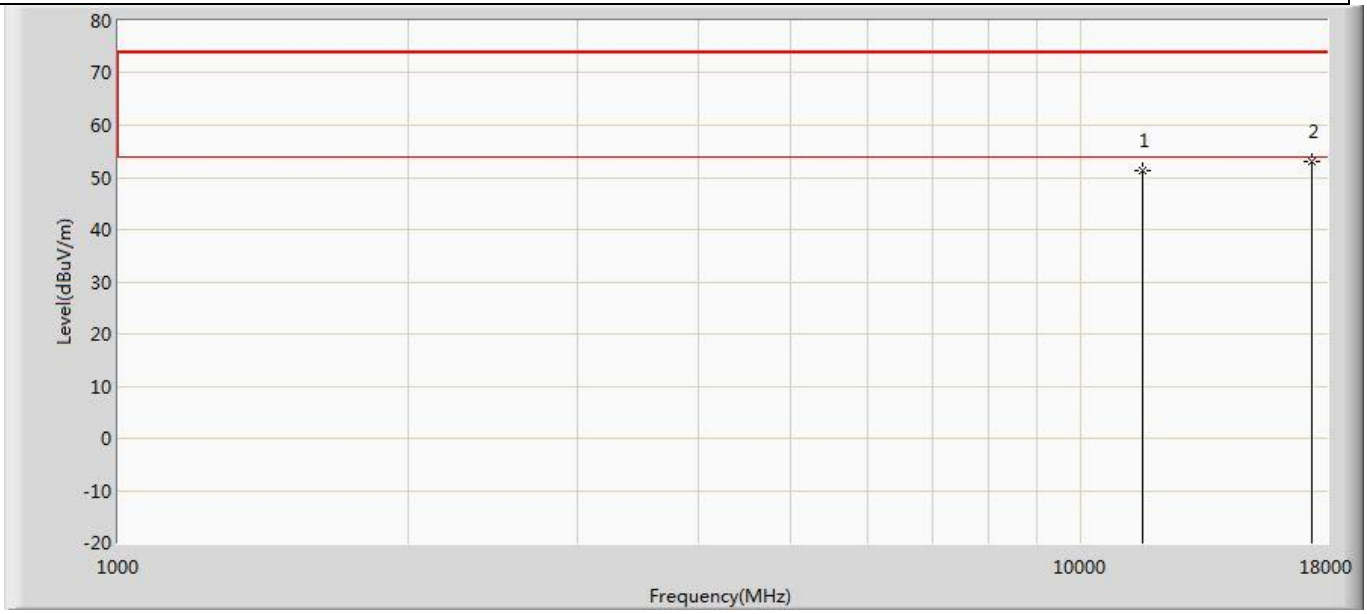
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.292	50.570	-24.708	74.000	-1.278	PK
2	*	17265.000	52.136	48.723	-21.864	74.000	3.412	PK

Profile: 2390387R	Page No.: 42
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5755MHz by 802.11n(40MHz) with Ant2	



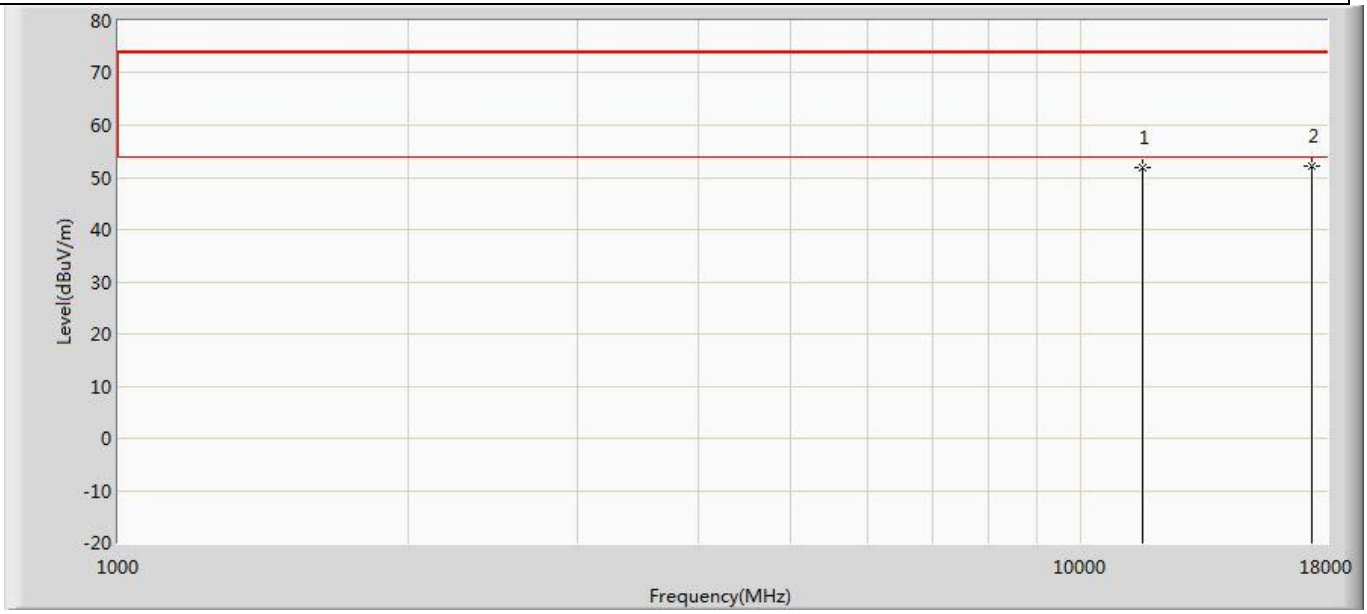
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.962	51.240	-24.038	74.000	-1.278	PK
2	*	17265.000	51.429	48.016	-22.571	74.000	3.412	PK

Profile: 2390387R	Page No.: 43
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5795MHz by 802.11n(40MHz) with Ant2	



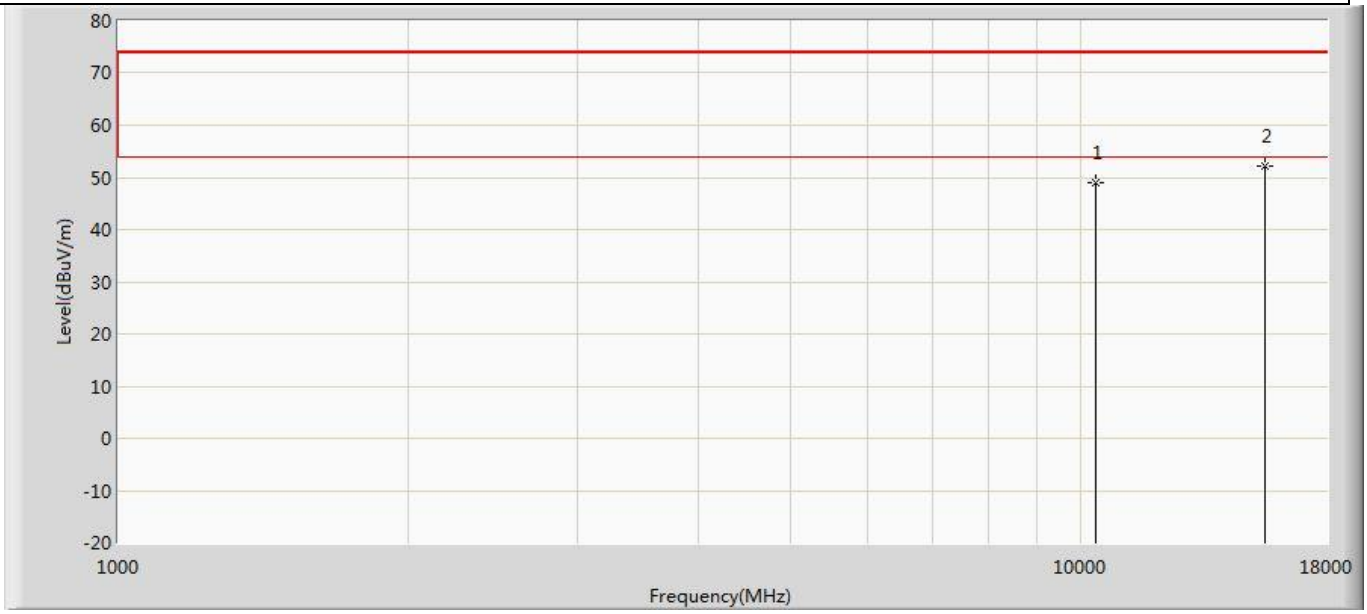
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	51.231	51.130	-22.769	74.000	0.101	PK
2	*	17385.000	52.945	49.613	-21.055	74.000	3.332	PK

Profile: 2390387R	Page No.: 44
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 5795MHz by 802.11n(40MHz) with Ant2	



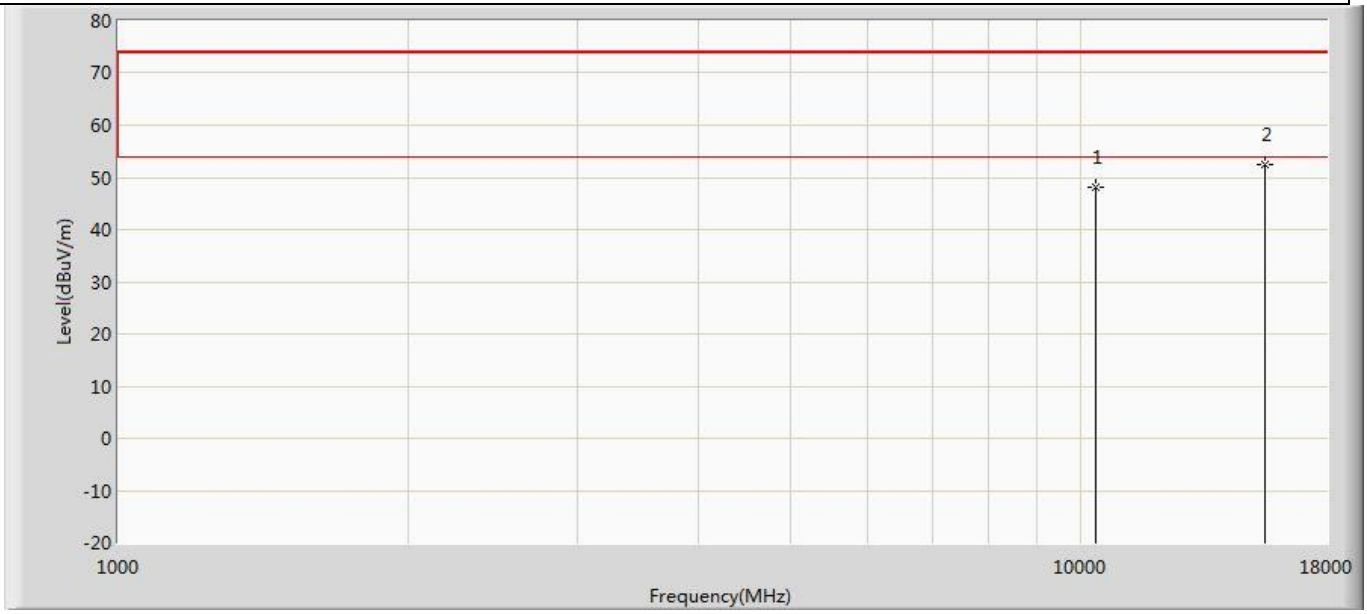
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	51.988	51.887	-22.012	74.000	0.101	PK
2	*	17385.000	52.176	48.844	-21.824	74.000	3.332	PK

Profile: 2390387R	Page No.: 139
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5180MHz by 802.11ac(20MHz) with Ant2	



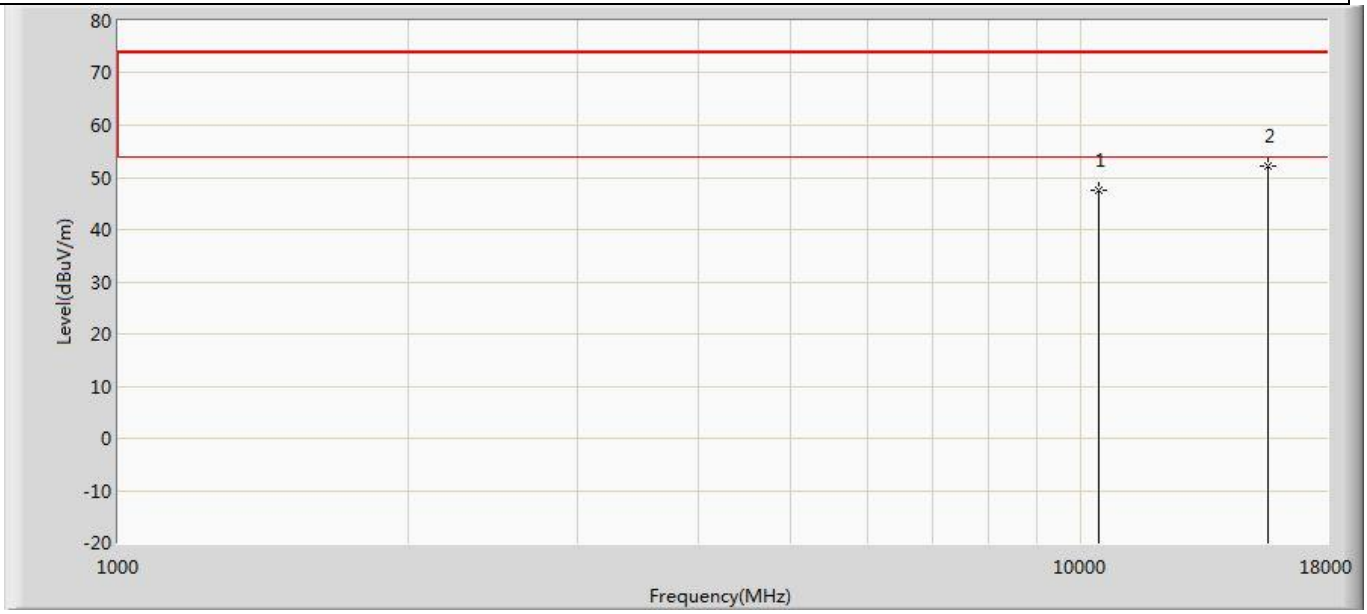
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	49.029	52.435	-24.971	74.000	-3.406	PK
2	*	15540.000	52.064	51.021	-21.936	74.000	1.043	PK

Profile: 2390387R	Page No.: 140
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5180MHz by 802.11ac(20MHz) with Ant2	



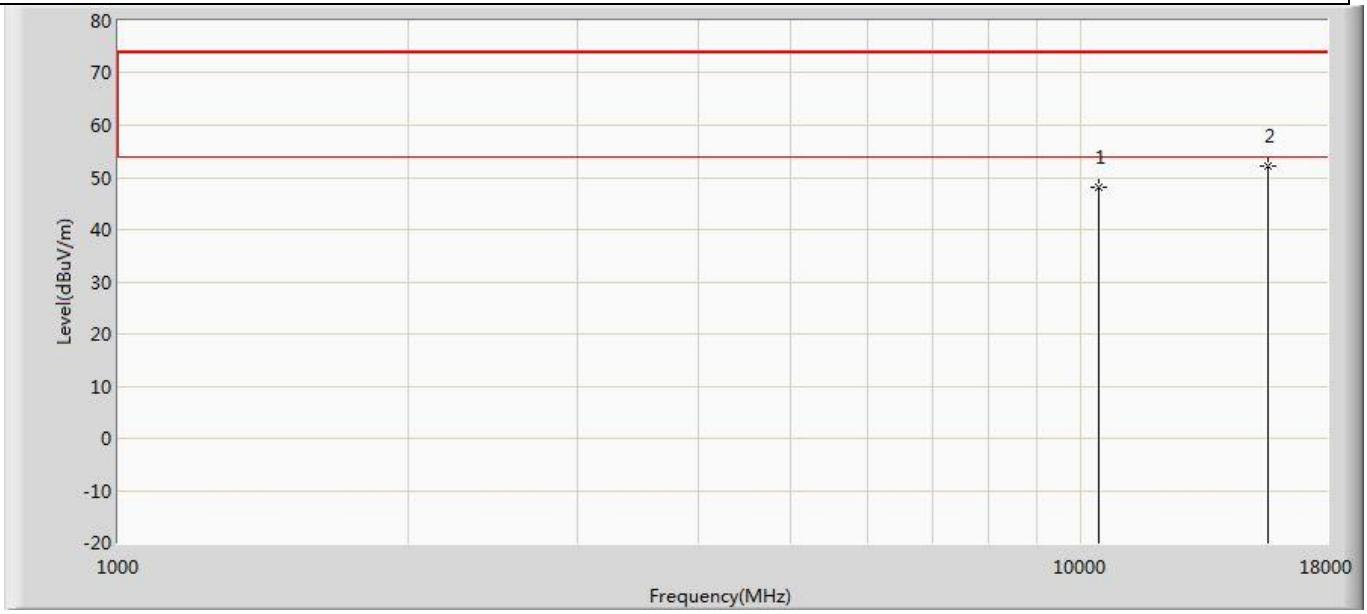
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	48.040	51.446	-25.960	74.000	-3.406	PK
2	*	15540.000	52.530	51.487	-21.470	74.000	1.043	PK

Profile: 2390387R	Page No.: 141
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5220MHz by 802.11ac(20MHz) with Ant2	



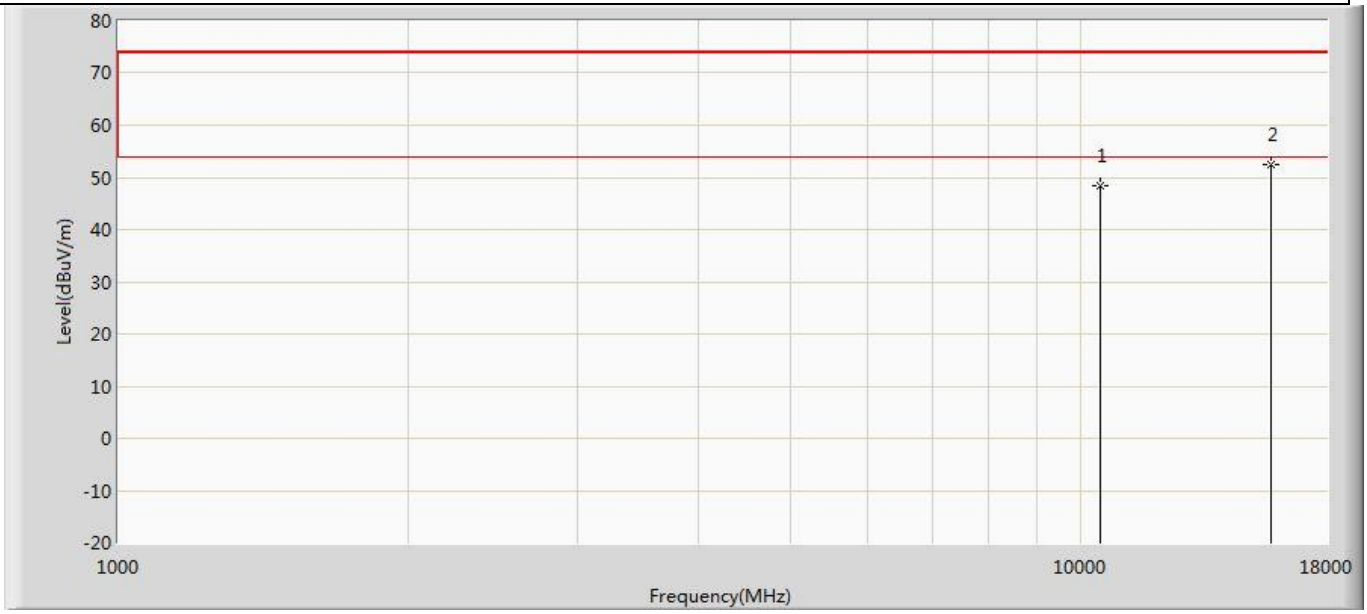
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	47.654	50.948	-26.346	74.000	-3.294	PK
2	*	15660.000	52.121	51.110	-21.879	74.000	1.011	PK

Profile: 2390387R	Page No.: 142
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5220MHz by 802.11ac(20MHz) with Ant2	



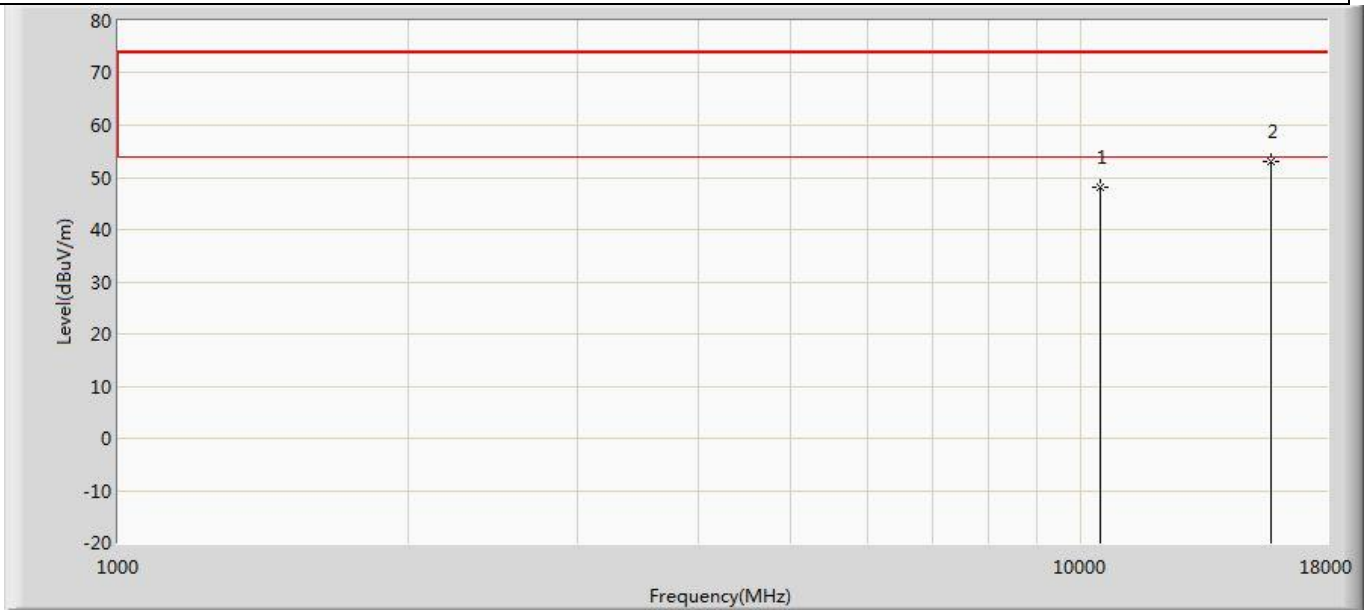
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10440.000	48.107	51.401	-25.893	74.000	-3.294	PK
2	*	15660.000	52.317	51.306	-21.683	74.000	1.011	PK

Profile: 2390387R	Page No.: 143
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5240MHz by 802.11ac(20MHz) with Ant2	



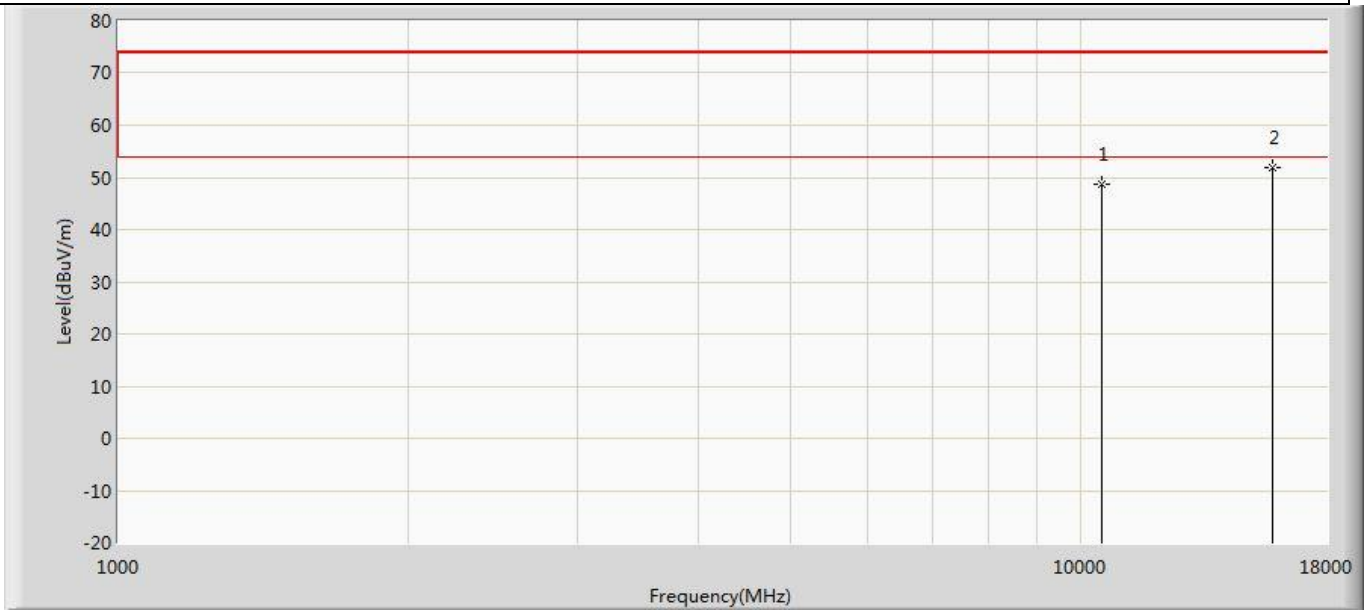
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	48.322	51.601	-25.678	74.000	-3.279	PK
2	*	15720.000	52.522	51.002	-21.478	74.000	1.520	PK

Profile: 2390387R	Page No.: 144
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5240MHz by 802.11ac(20MHz) with Ant2	



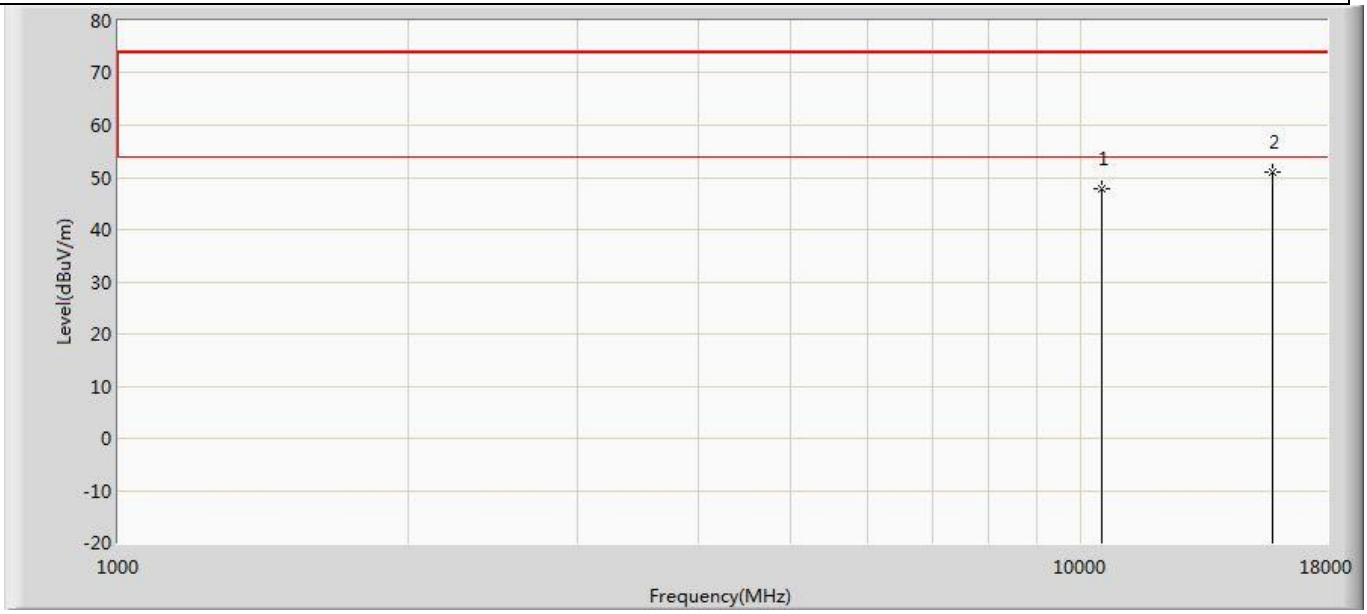
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10480.000	48.219	51.498	-25.781	74.000	-3.279	PK
2	*	15720.000	52.937	51.417	-21.063	74.000	1.520	PK

Profile: 2390387R	Page No.: 145
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5260MHz by 802.11ac(20MHz) with Ant2	



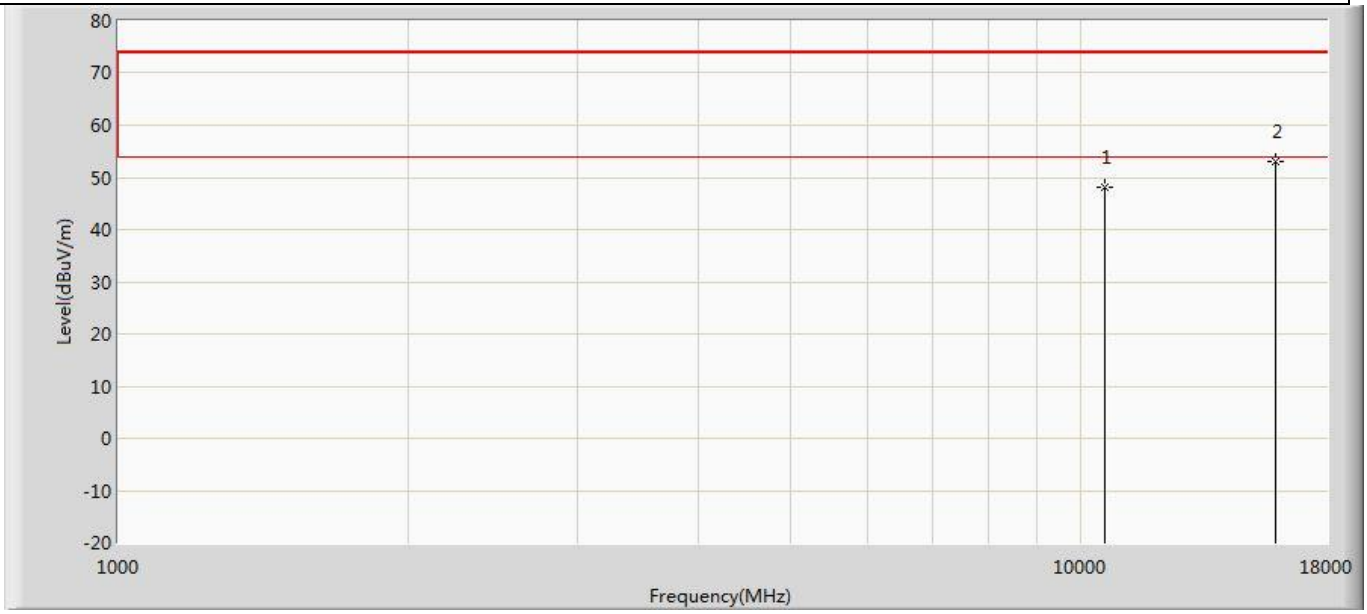
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	48.711	51.950	-25.289	74.000	-3.239	PK
2	*	15780.000	51.999	50.741	-22.001	74.000	1.257	PK

Profile: 2390387R	Page No.: 146
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5260MHz by 802.11ac(20MHz) with Ant2	



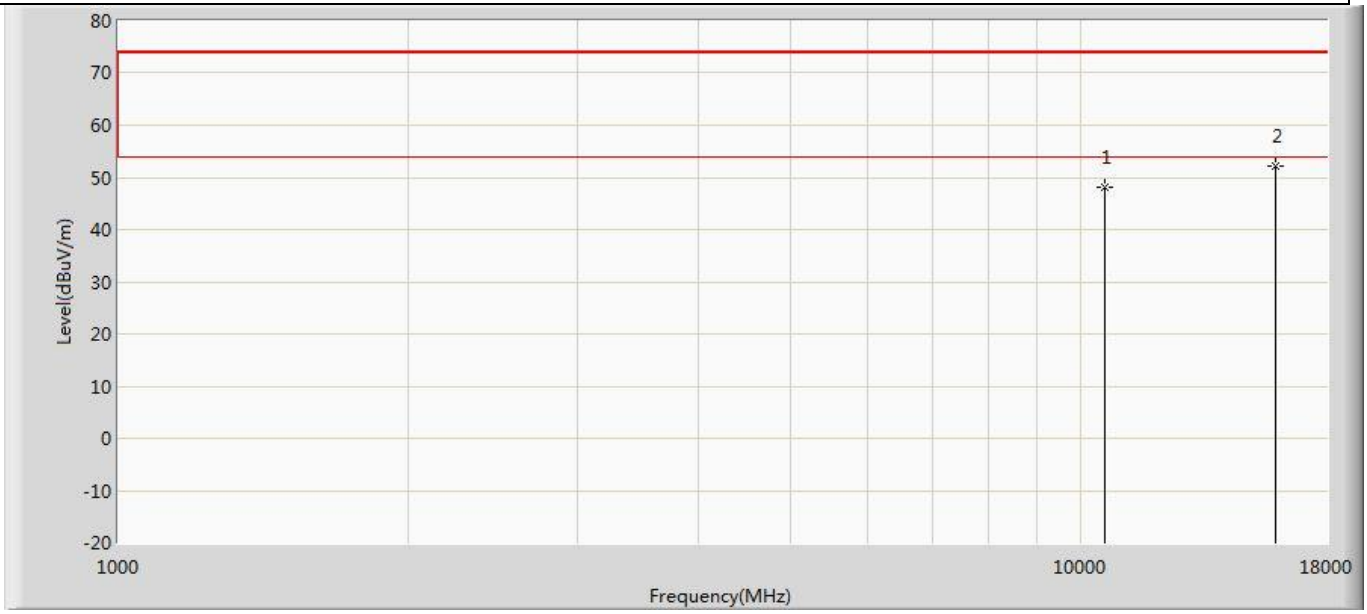
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10520.000	47.968	51.207	-26.032	74.000	-3.239	PK
2	*	15780.000	50.957	49.699	-23.043	74.000	1.257	PK

Profile: 2390387R	Page No.: 147
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5300MHz by 802.11ac(20MHz) with Ant2	



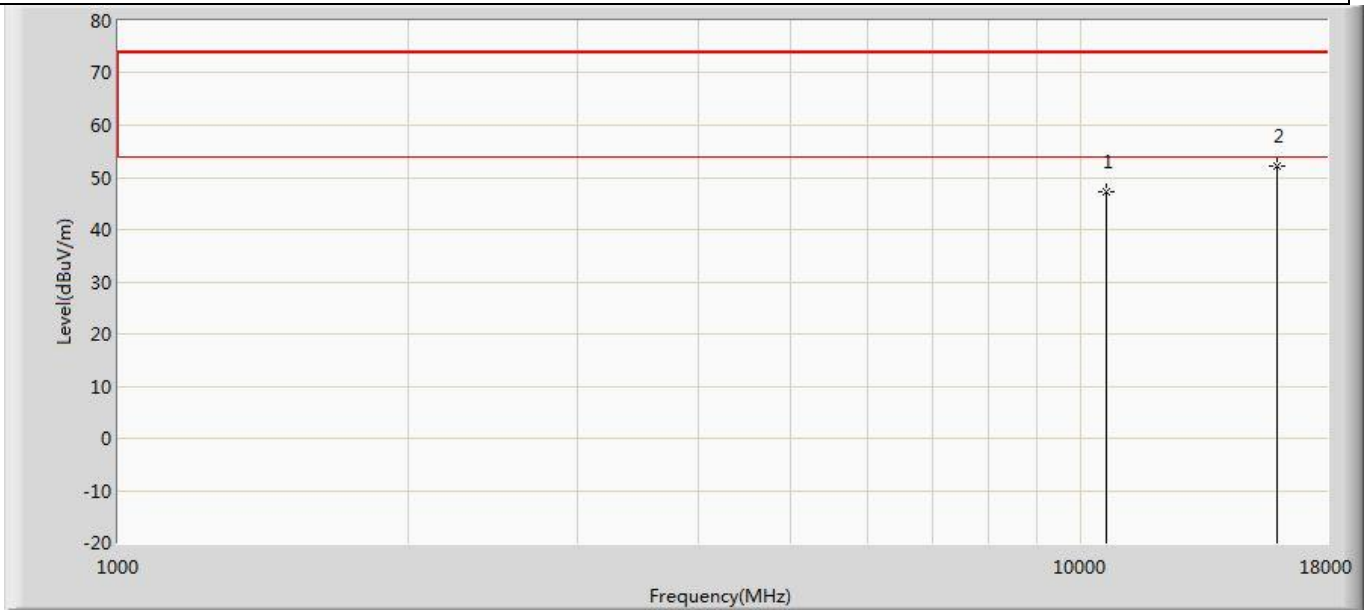
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	48.152	50.854	-25.848	74.000	-2.702	PK
2	*	15900.000	52.974	50.907	-21.026	74.000	2.067	PK

Profile: 2390387R	Page No.: 148
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5300MHz by 802.11ac(20MHz) with Ant2	



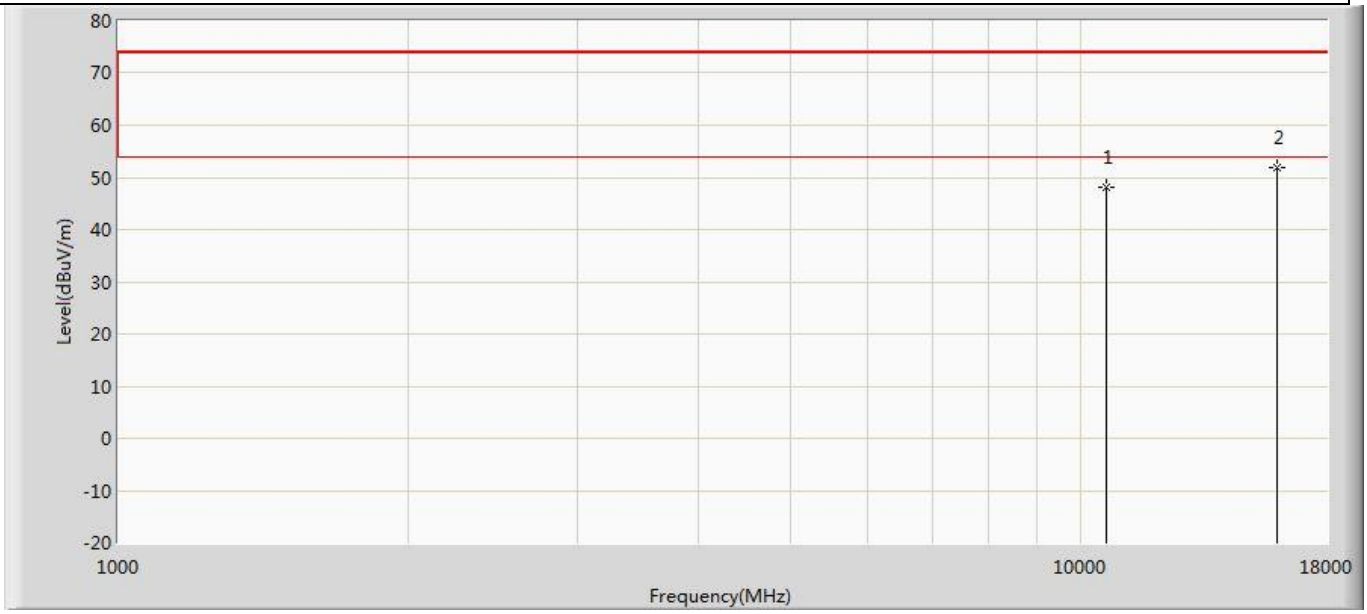
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10600.000	48.108	50.810	-25.892	74.000	-2.702	PK
2	*	15900.000	52.191	50.124	-21.809	74.000	2.067	PK

Profile: 2390387R	Page No.: 149
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5320MHz by 802.11ac(20MHz) with Ant2	



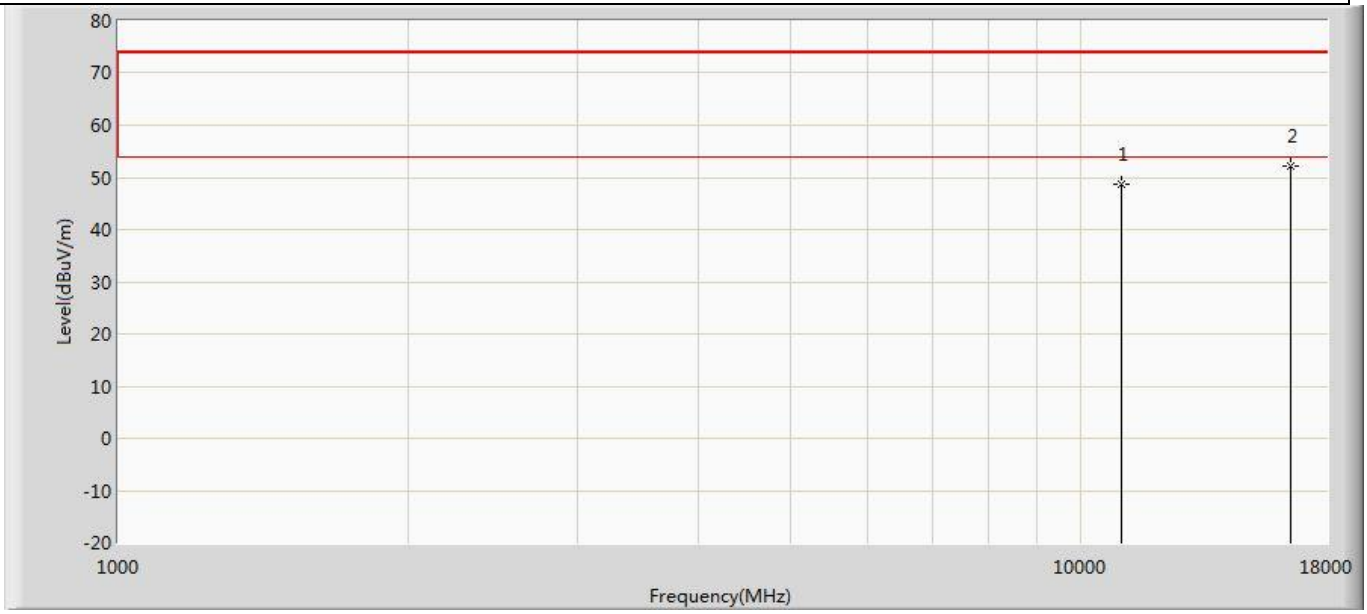
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	47.312	50.676	-26.688	74.000	-3.364	PK
2	*	15960.000	52.057	50.924	-21.943	74.000	1.133	PK

Profile: 2390387R	Page No.: 150
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5320MHz by 802.11ac(20MHz) with Ant2	



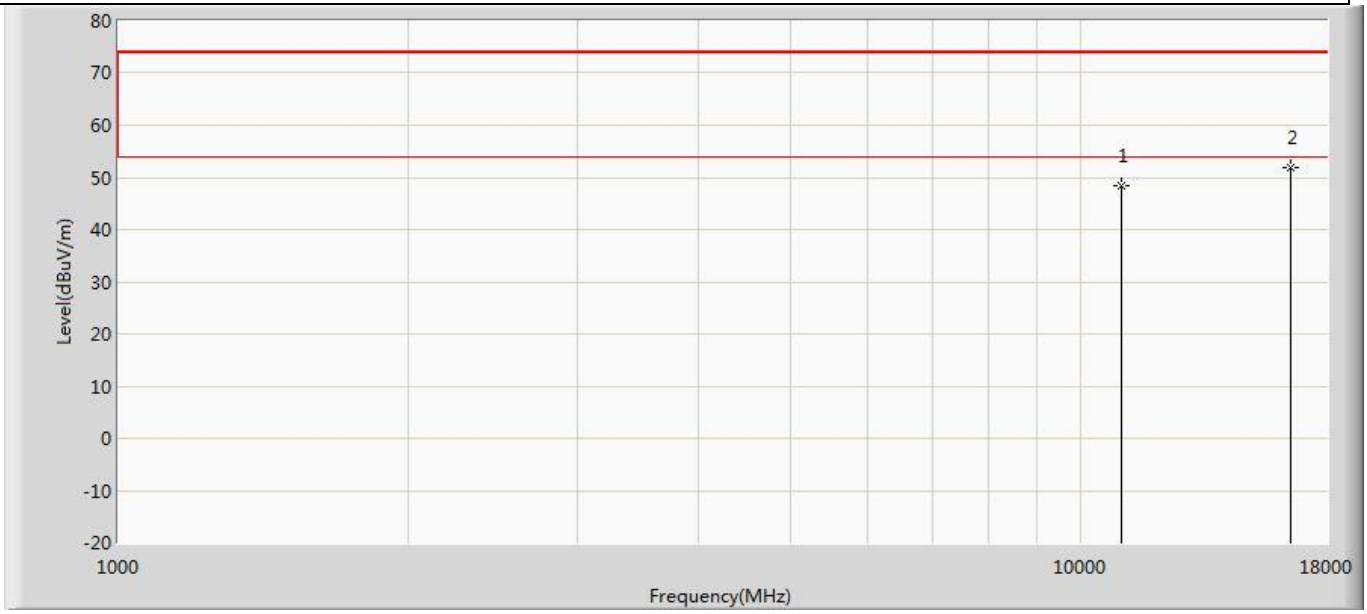
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10640.000	48.116	51.480	-25.884	74.000	-3.364	PK
2	*	15960.000	51.869	50.736	-22.131	74.000	1.133	PK

Profile: 2390387R	Page No.: 151
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5500MHz by 802.11ac(20MHz) with Ant2	



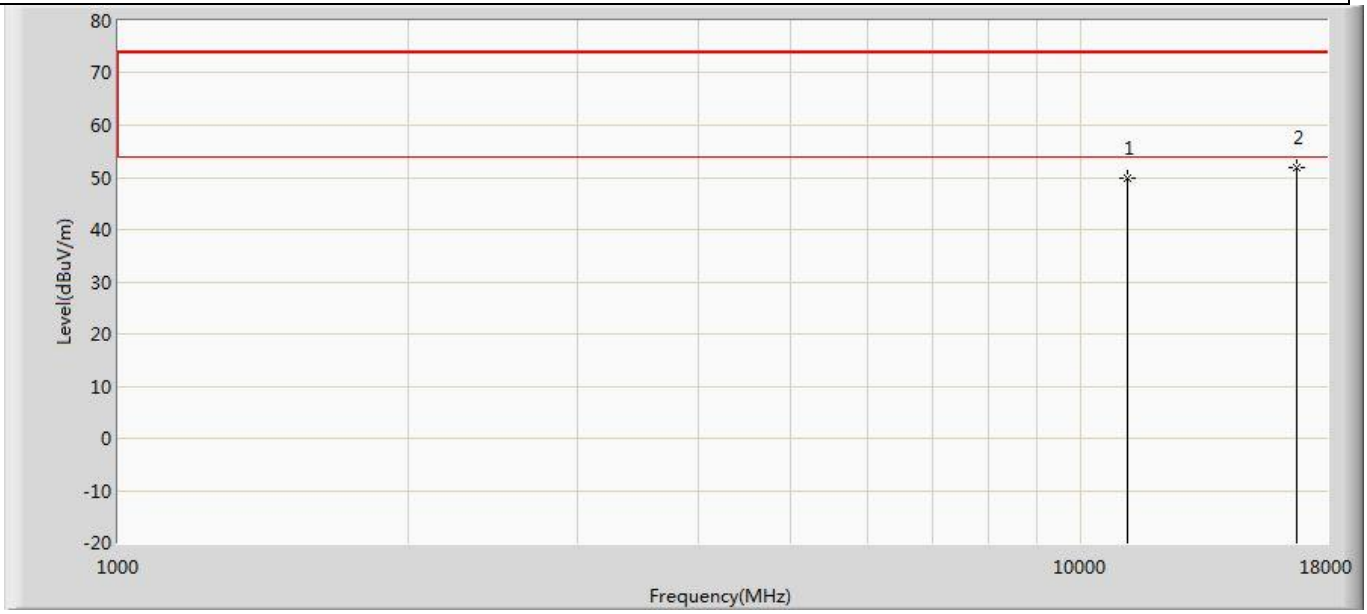
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	48.739	50.627	-25.261	74.000	-1.888	PK
2	*	16500.000	52.309	47.376	-21.691	74.000	4.933	PK

Profile: 2390387R	Page No.: 152
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5500MHz by 802.11ac(20MHz) with Ant2	



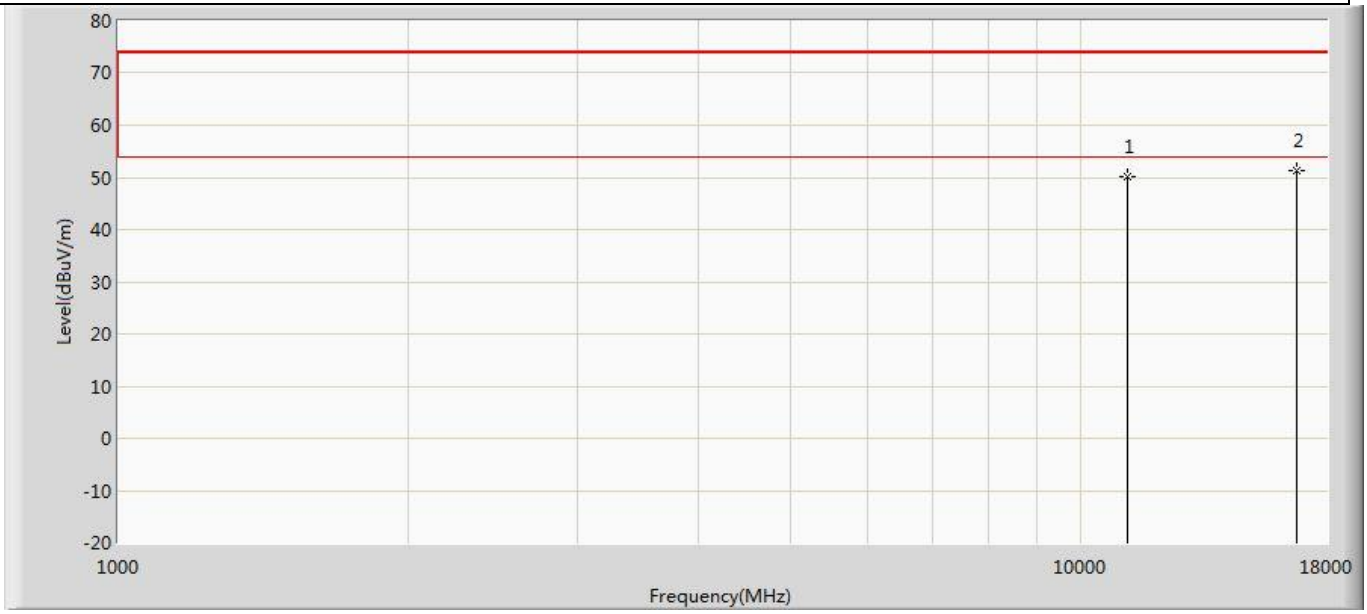
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11000.000	48.498	50.386	-25.502	74.000	-1.888	PK
2	*	16500.000	51.775	46.842	-22.225	74.000	4.933	PK

Profile: 2390387R	Page No.: 153
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5580MHz by 802.11ac(20MHz) with Ant2	



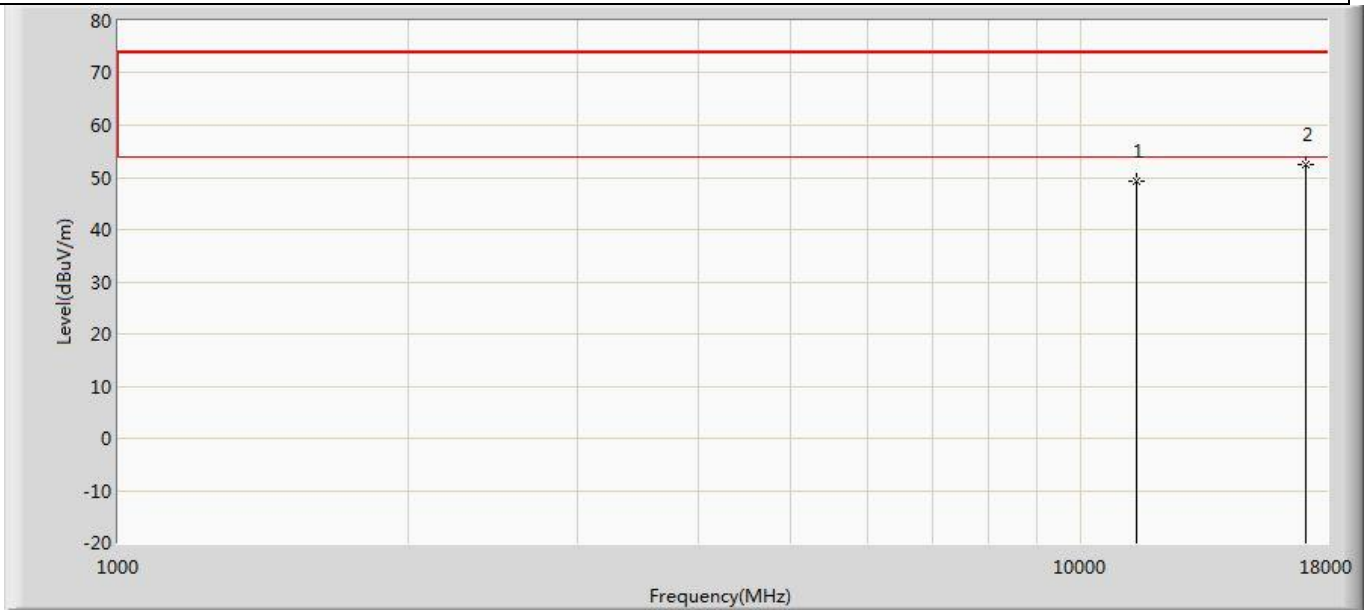
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	49.847	51.032	-24.153	74.000	-1.185	PK
2	*	16740.000	52.017	47.959	-21.983	74.000	4.058	PK

Profile: 2390387R	Page No.: 154
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:09
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5580MHz by 802.11ac(20MHz) with Ant2	



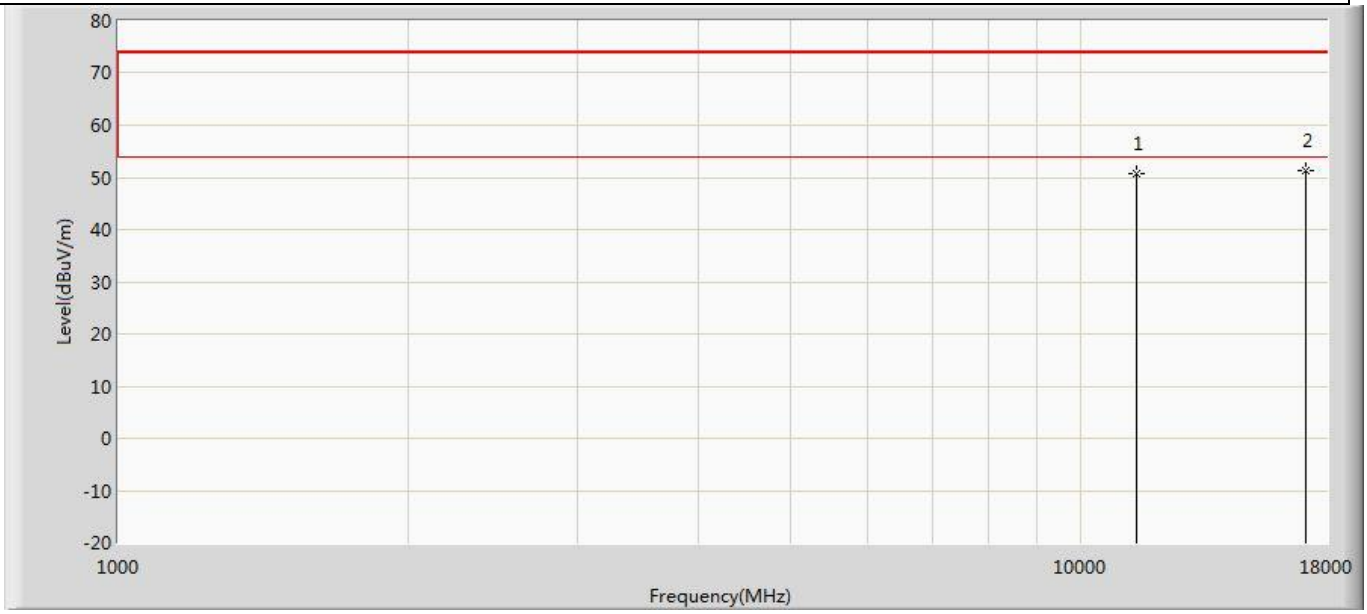
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11160.000	50.103	51.288	-23.897	74.000	-1.185	PK
2	*	16740.000	51.212	47.154	-22.788	74.000	4.058	PK

Profile: 2390387R	Page No.: 155
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5700MHz by 802.11ac(20MHz) with Ant2	



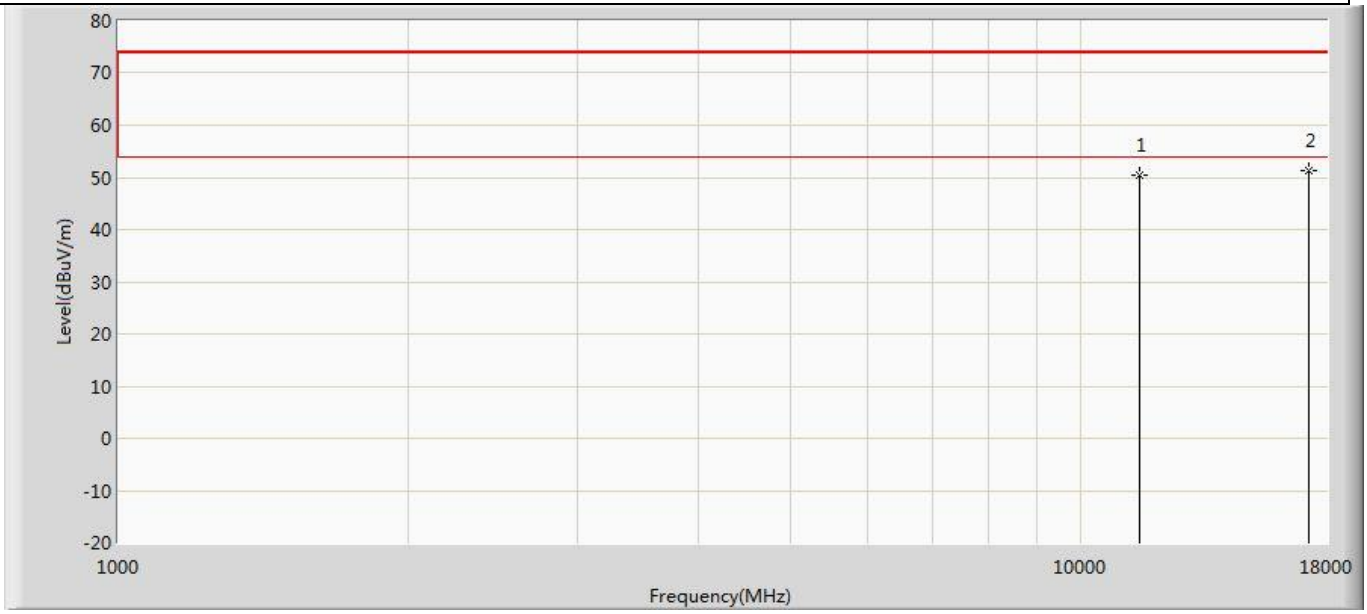
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	49.338	50.380	-24.662	74.000	-1.042	PK
2	*	17100.000	52.395	47.608	-21.605	74.000	4.787	PK

Profile: 2390387R	Page No.: 156
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5700MHz by 802.11ac(20MHz) with Ant2	



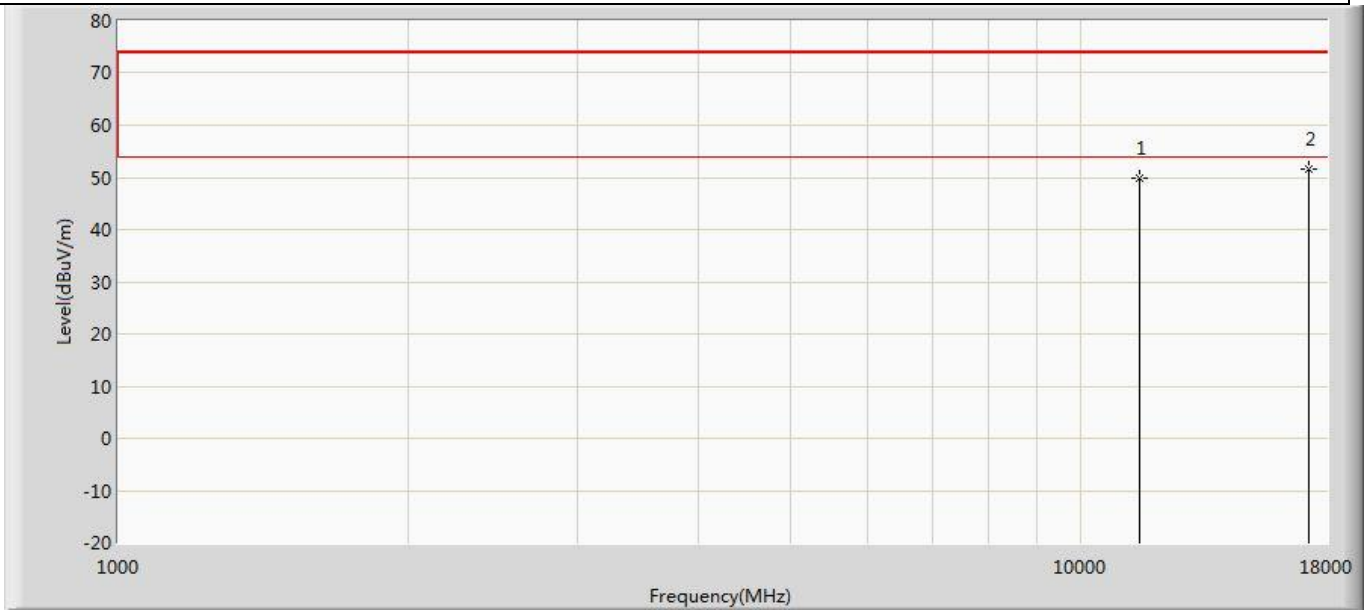
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11400.000	50.601	51.643	-23.399	74.000	-1.042	PK
2	*	17100.000	51.163	46.376	-22.837	74.000	4.787	PK

Profile: 2390387R	Page No.: 45
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5745MHz by 802.11ac(20MHz) with Ant2	



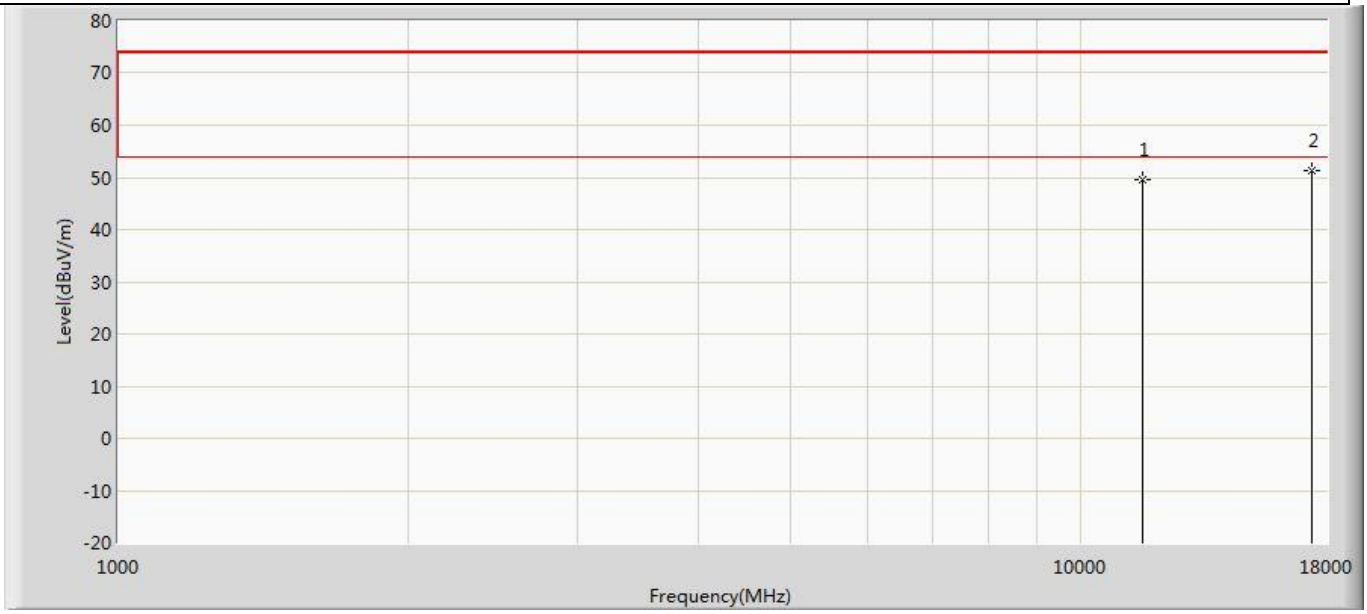
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	50.299	50.823	-23.701	74.000	-0.524	PK
2	*	17235.000	51.350	45.913	-22.650	74.000	5.437	PK

Profile: 2390387R	Page No.: 46
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5745MHz by 802.11ac(20MHz) with Ant2	



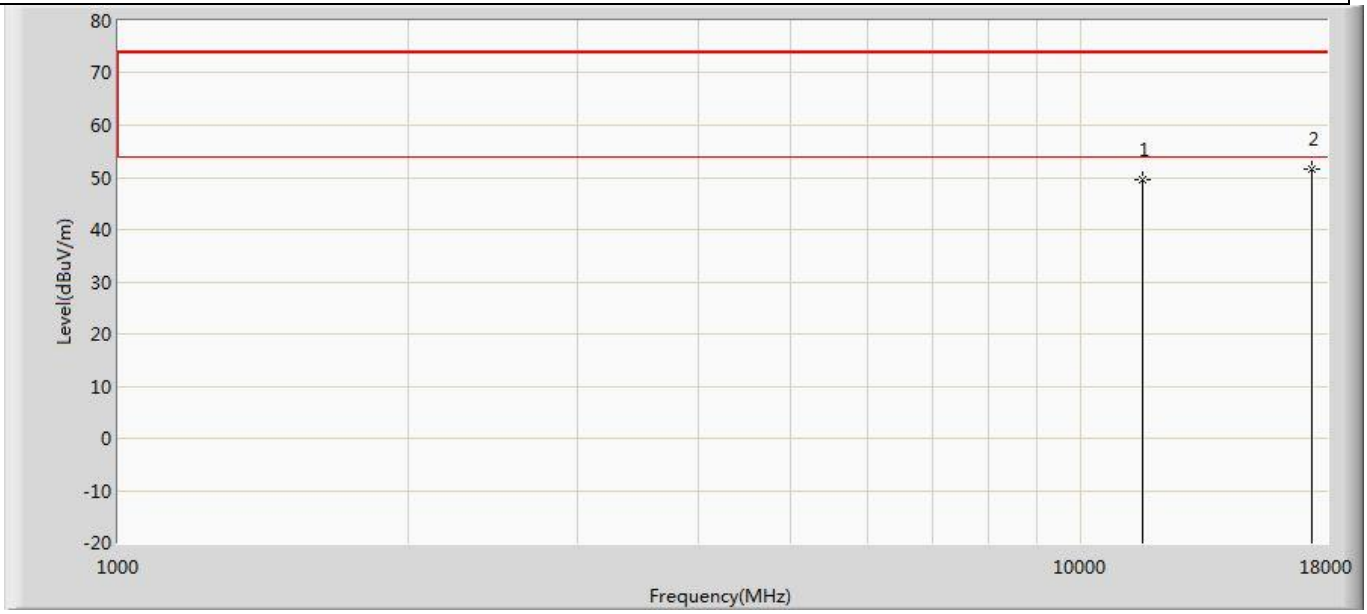
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11490.000	49.825	50.349	-24.175	74.000	-0.524	PK
2	*	17235.000	51.583	46.146	-22.417	74.000	5.437	PK

Profile: 2390387R	Page No.: 47
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5785MHz by 802.11ac(20MHz) with Ant2	



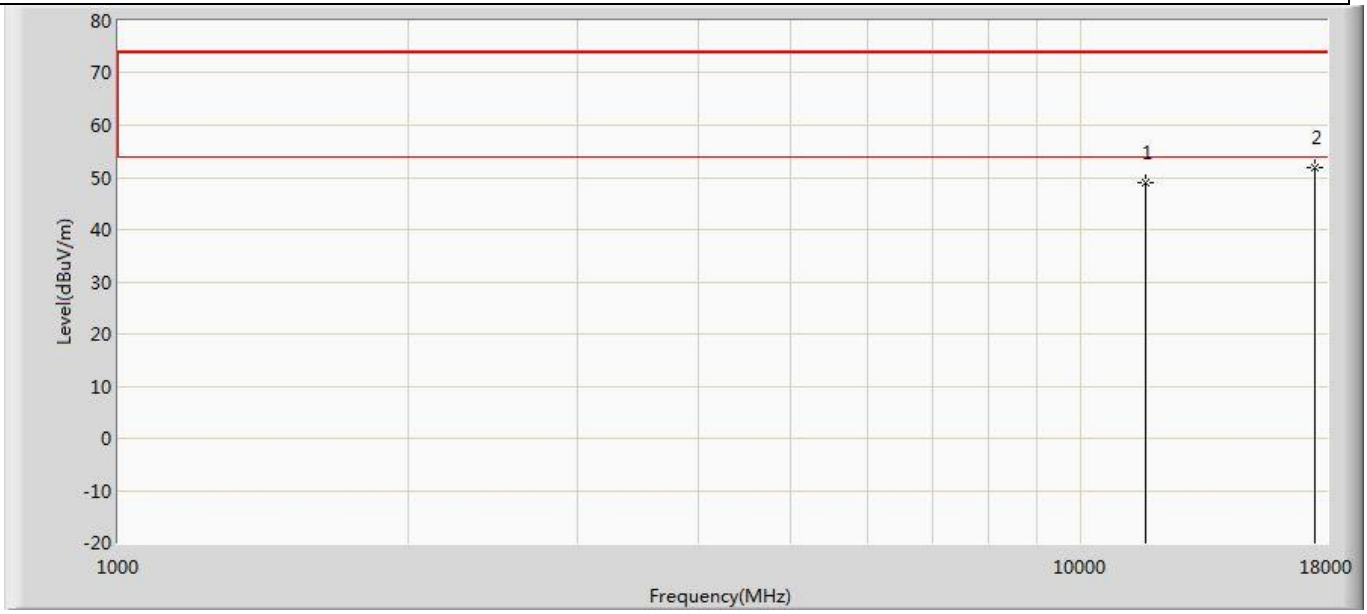
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	49.535	50.724	-24.465	74.000	-1.189	PK
2	*	17355.000	51.345	46.883	-22.655	74.000	4.461	PK

Profile: 2390387R	Page No.: 48
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5785MHz by 802.11ac(20MHz) with Ant2	



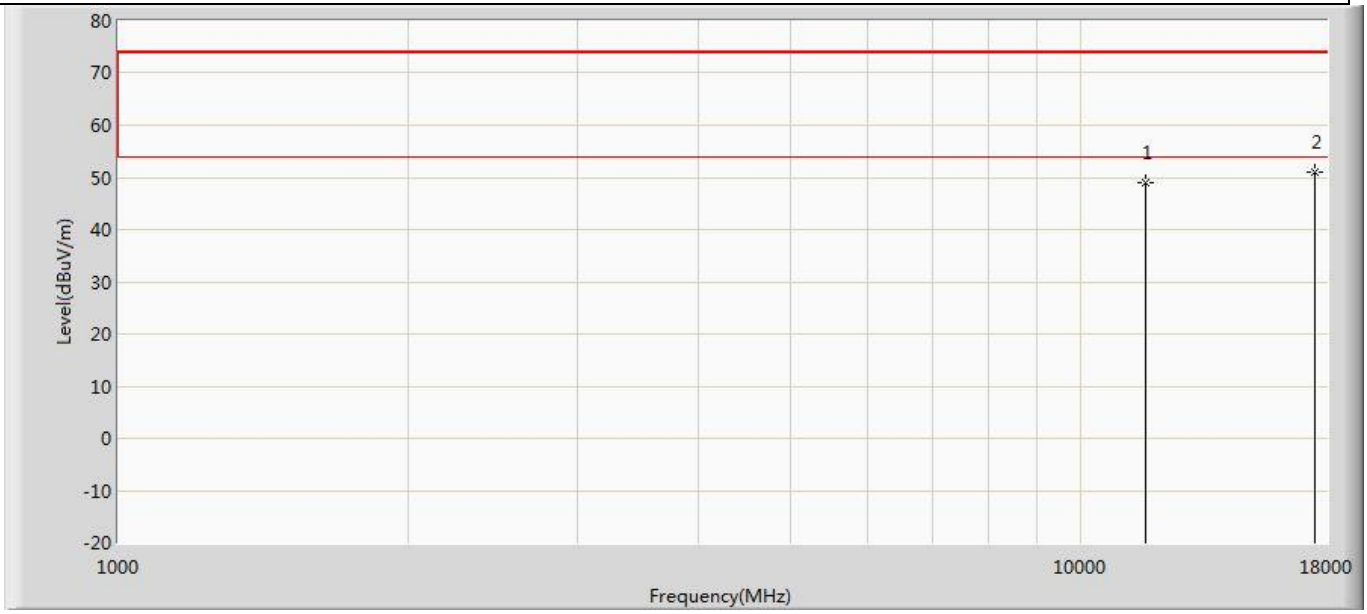
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11570.000	49.691	50.880	-24.309	74.000	-1.189	PK
2	*	17355.000	51.632	47.170	-22.368	74.000	4.461	PK

Profile: 2390387R	Page No.: 49
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5825MHz by 802.11ac(20MHz) with Ant2	



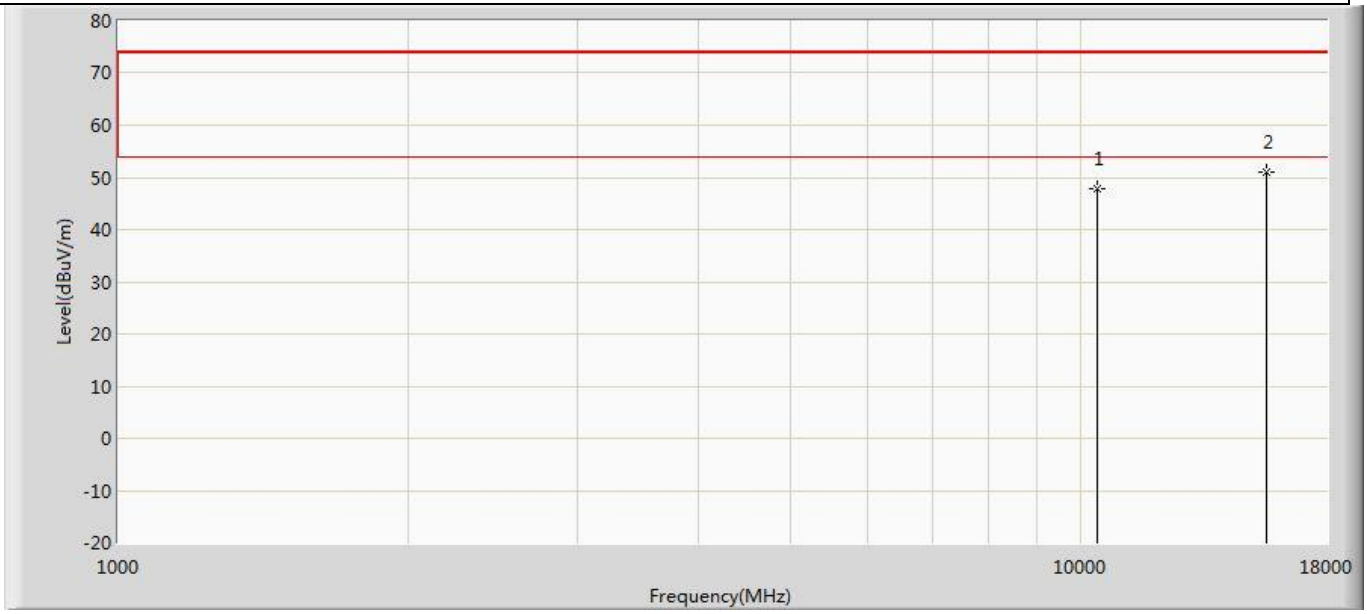
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	48.948	50.624	-25.052	74.000	-1.676	PK
2	*	17475.000	51.762	47.568	-22.238	74.000	4.195	PK

Profile: 2390387R	Page No.: 50
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 5825MHz by 802.11ac(20MHz) with Ant2	



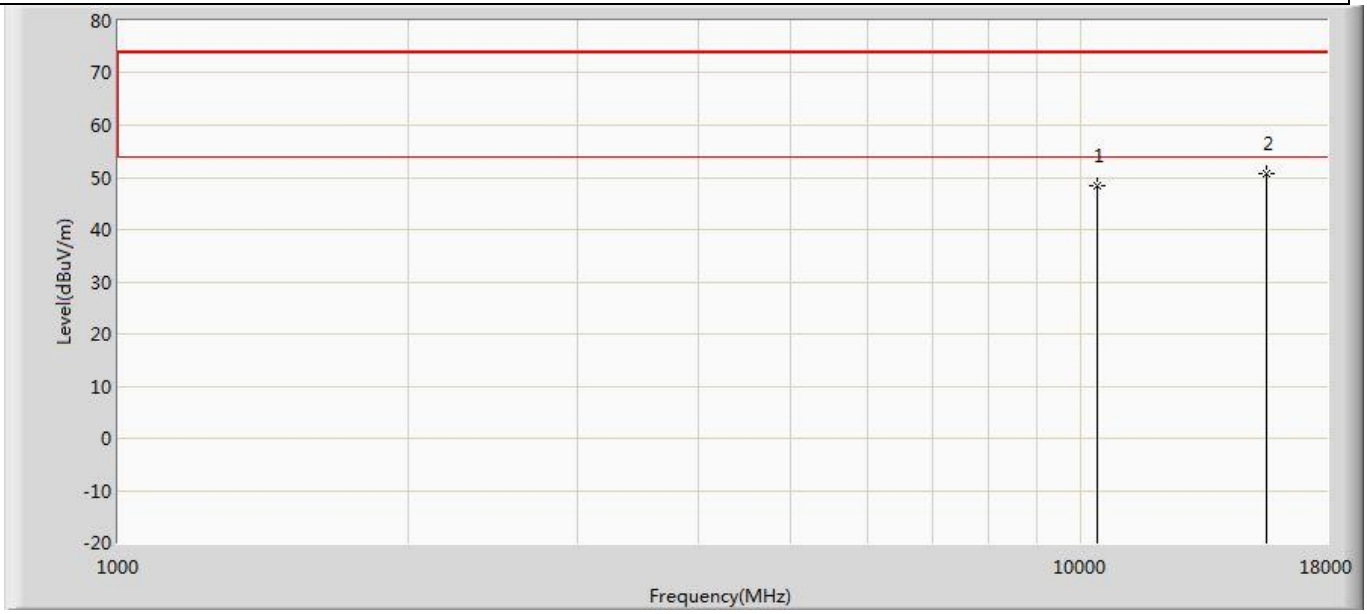
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11650.000	48.979	50.655	-25.021	74.000	-1.676	PK
2	*	17475.000	51.035	46.841	-22.965	74.000	4.195	PK

Profile: 2390387R	Page No.: 157
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5190MHz by 802.11ac(40MHz) with Ant2	



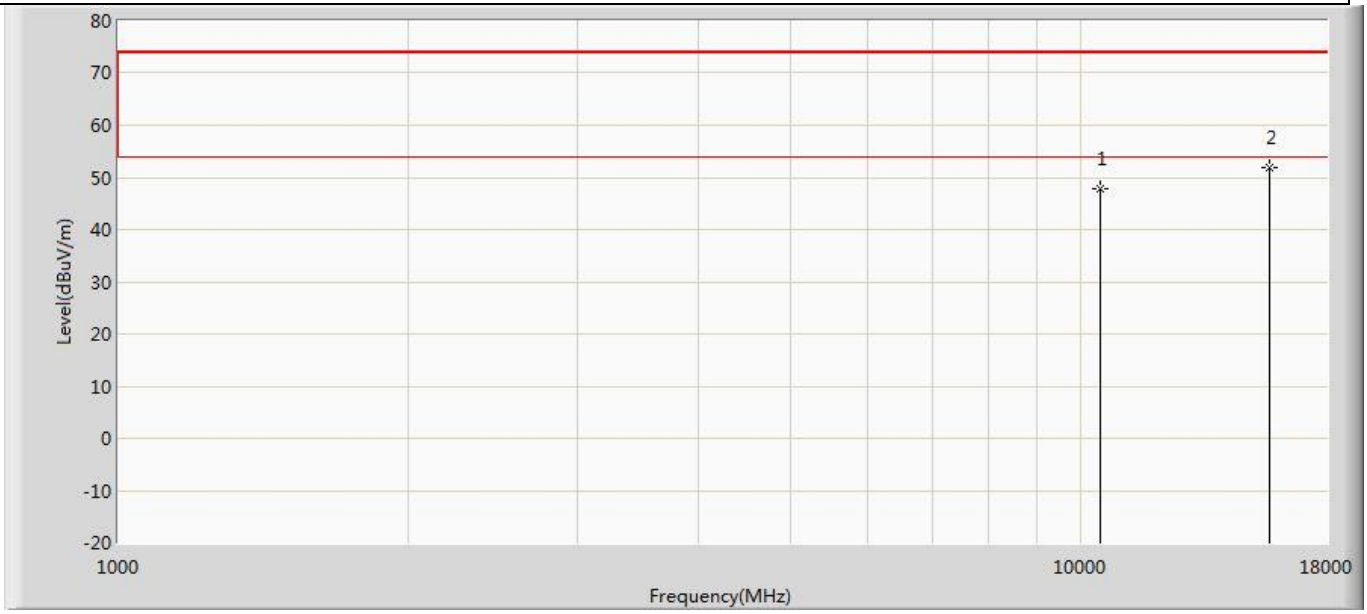
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	47.758	50.963	-26.242	74.000	-3.205	PK
2	*	15570.000	50.939	50.645	-23.061	74.000	0.294	PK

Profile: 2390387R	Page No.: 158
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5190MHz by 802.11ac(40MHz) with Ant2	



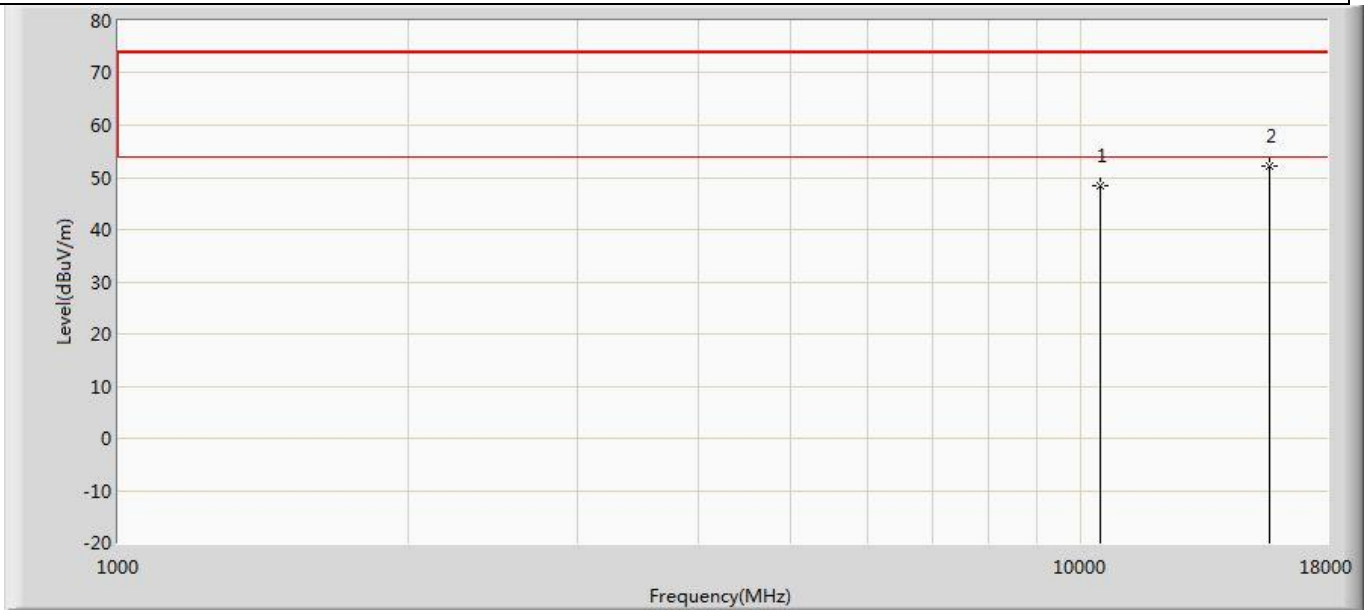
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10380.000	48.267	51.472	-25.733	74.000	-3.205	PK
2	*	15570.000	50.818	50.524	-23.182	74.000	0.294	PK

Profile: 2390387R	Page No.: 159
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5230MHz by 802.11ac(40MHz) with Ant2	



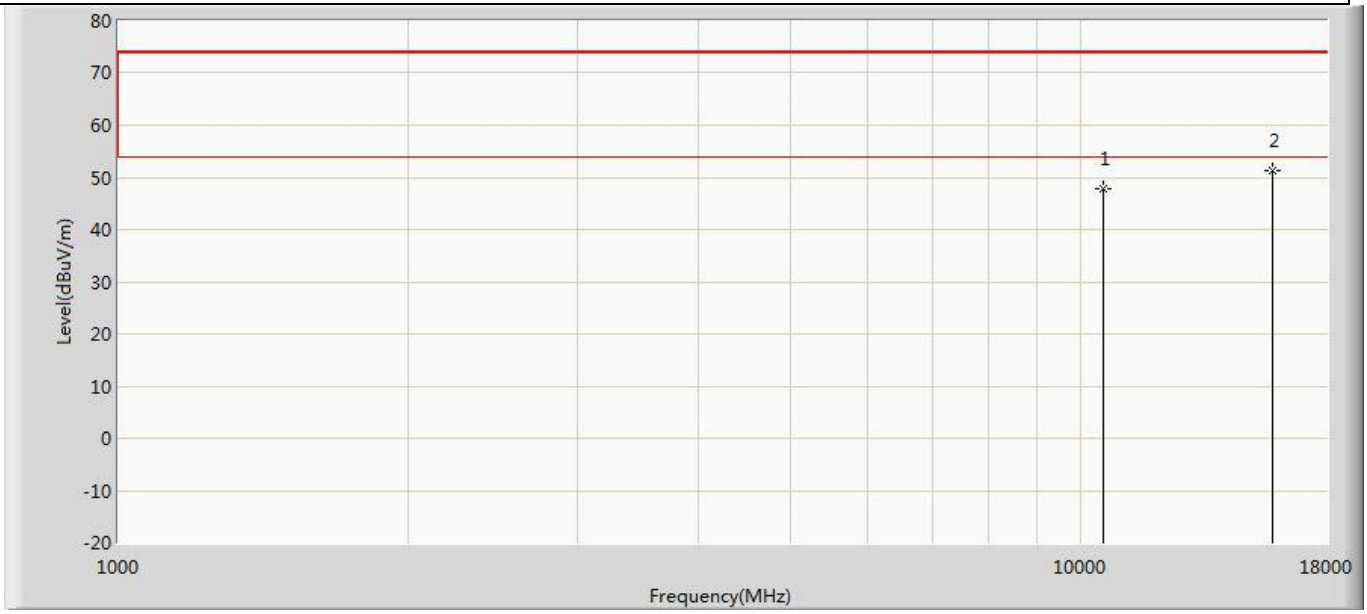
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	47.804	51.144	-26.196	74.000	-3.341	PK
2	*	15690.000	51.959	51.683	-22.041	74.000	0.276	PK

Profile: 2390387R	Page No.: 160
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5230MHz by 802.11ac(40MHz) with Ant2	



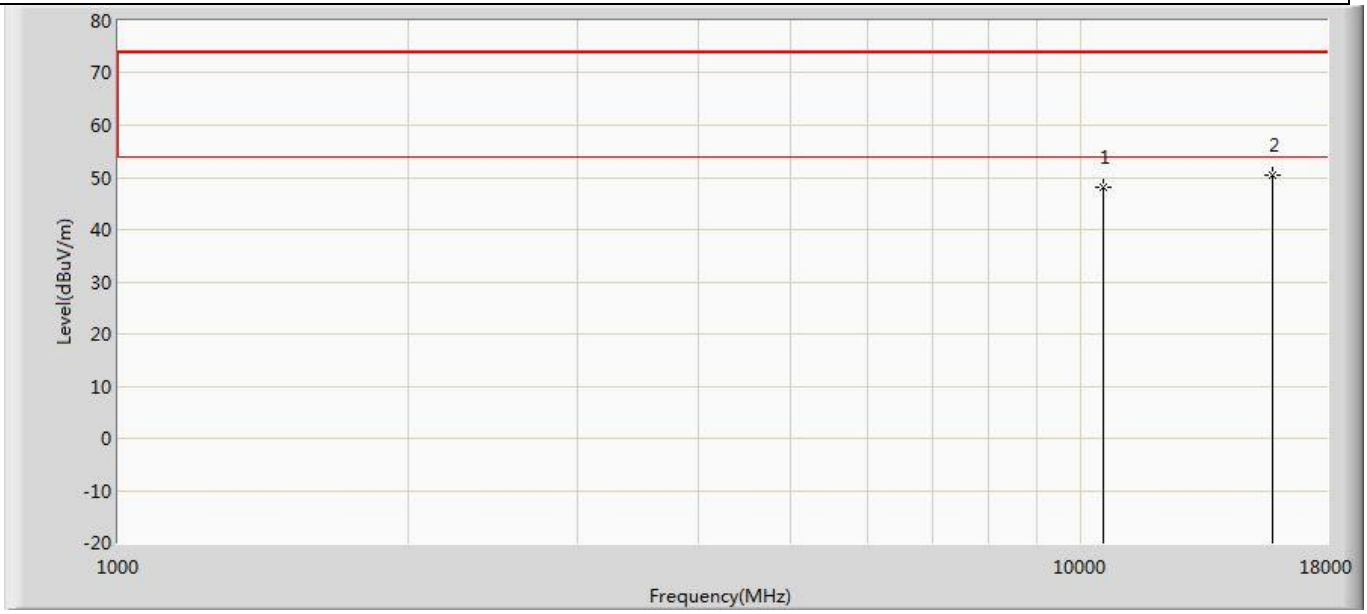
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10460.000	48.492	51.832	-25.508	74.000	-3.341	PK
2	*	15690.000	52.261	51.985	-21.739	74.000	0.276	PK

Profile: 2390387R	Page No.: 161
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5270MHz by 802.11ac(40MHz) with Ant2	



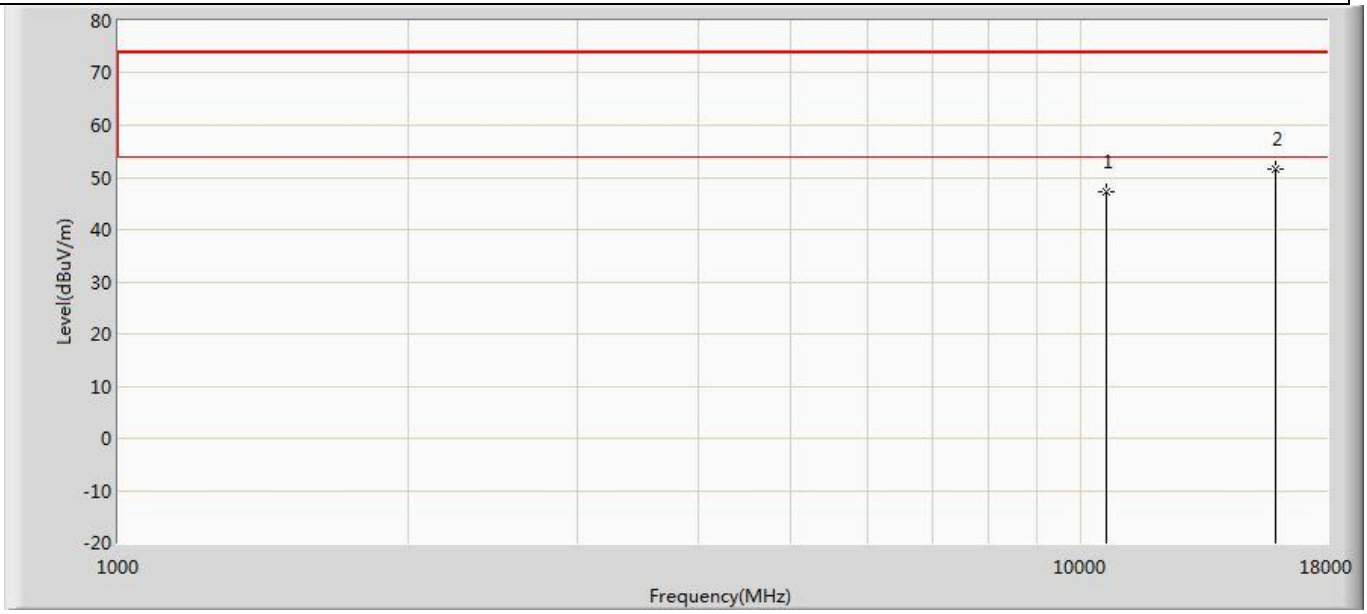
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	47.777	50.987	-26.223	74.000	-3.210	PK
2	*	15810.000	51.399	50.333	-22.601	74.000	1.066	PK

Profile: 2390387R	Page No.: 162
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5270MHz by 802.11ac(40MHz) with Ant2	



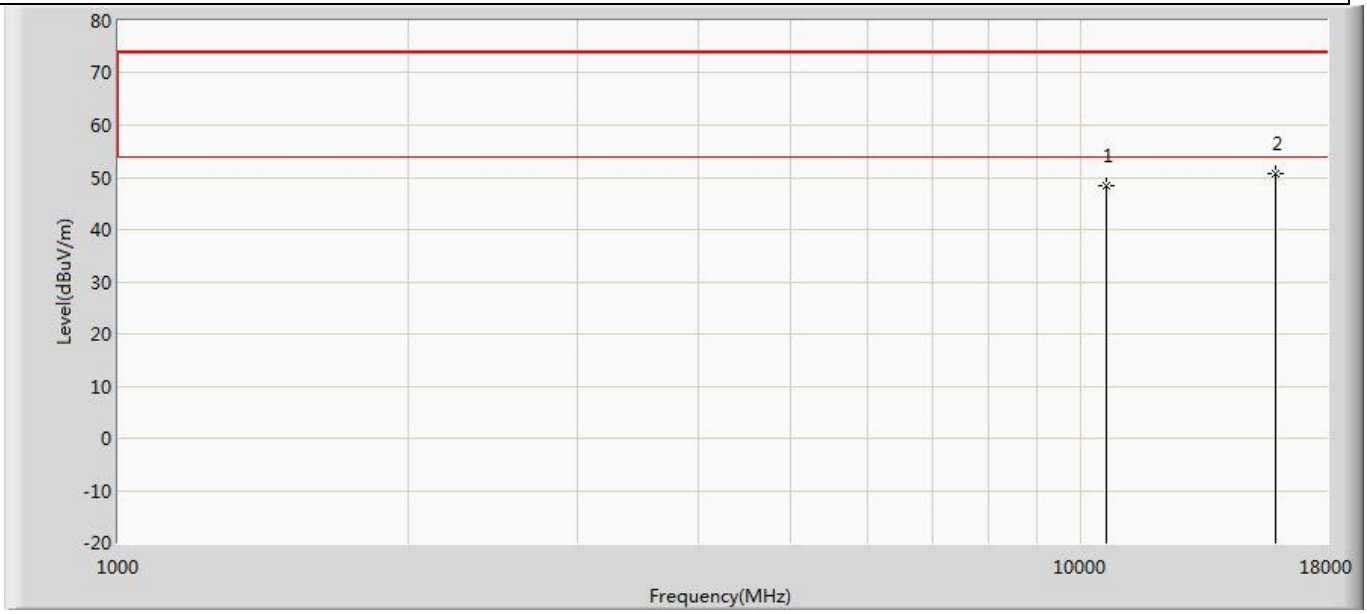
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10540.000	48.143	51.353	-25.857	74.000	-3.210	PK
2	*	15810.000	50.534	49.468	-23.466	74.000	1.066	PK

Profile: 2390387R	Page No.: 163
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5310MHz by 802.11ac(40MHz) with Ant2	



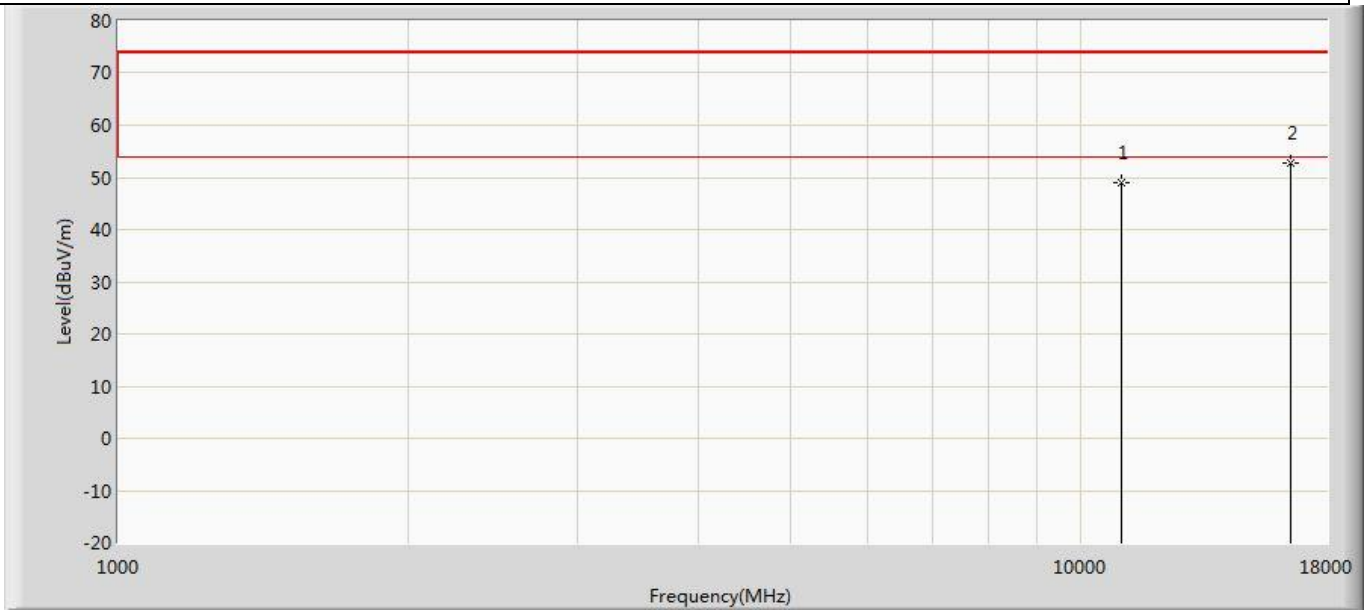
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	47.327	50.543	-26.673	74.000	-3.217	PK
2	*	15930.000	51.697	50.506	-22.303	74.000	1.191	PK

Profile: 2390387R	Page No.: 164
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5310MHz by 802.11ac(40MHz) with Ant2	



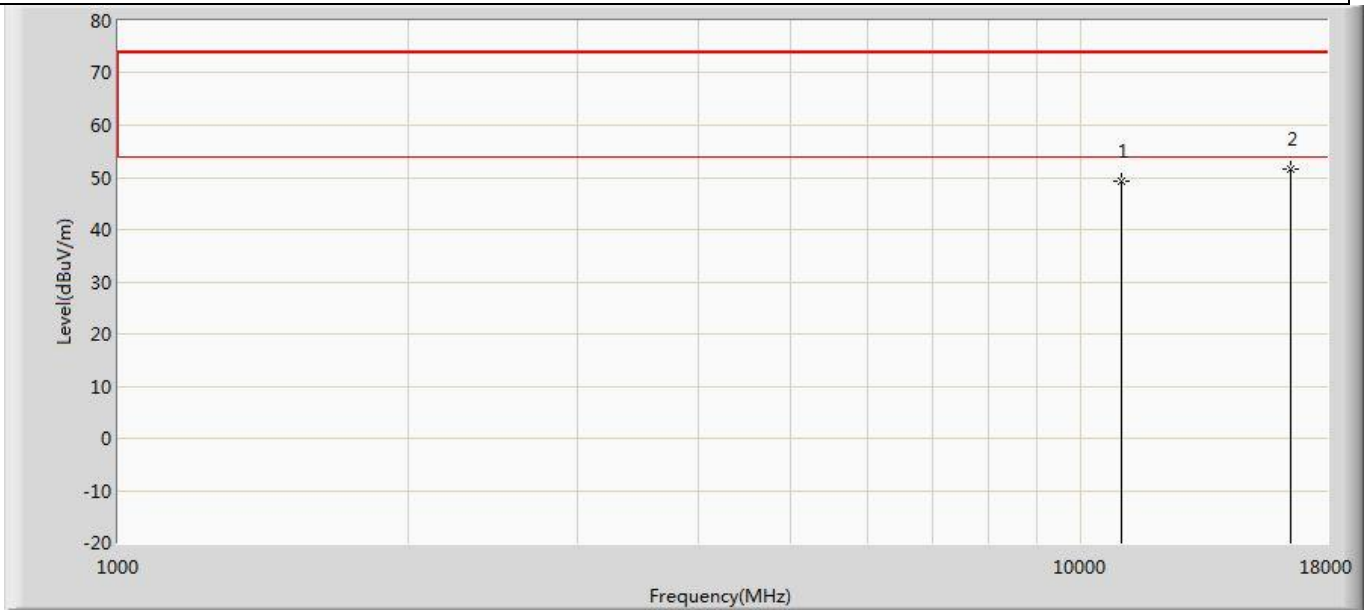
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10620.000	48.385	51.601	-25.615	74.000	-3.217	PK
2	*	15930.000	50.816	49.625	-23.184	74.000	1.191	PK

Profile: 2390387R	Page No.: 165
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5510MHz by 802.11ac(40MHz) with Ant2	



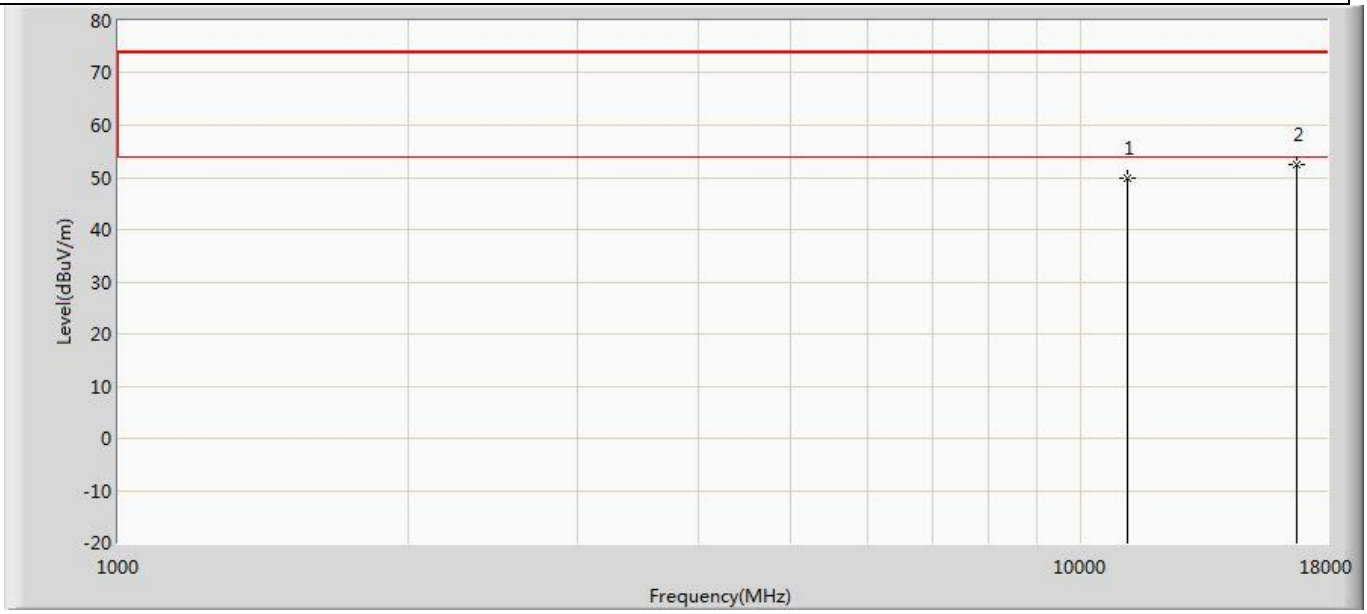
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	49.061	51.163	-24.939	74.000	-2.102	PK
2	*	16530.000	52.683	48.405	-21.317	74.000	4.278	PK

Profile: 2390387R	Page No.: 166
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5510MHz by 802.11ac(40MHz) with Ant2	



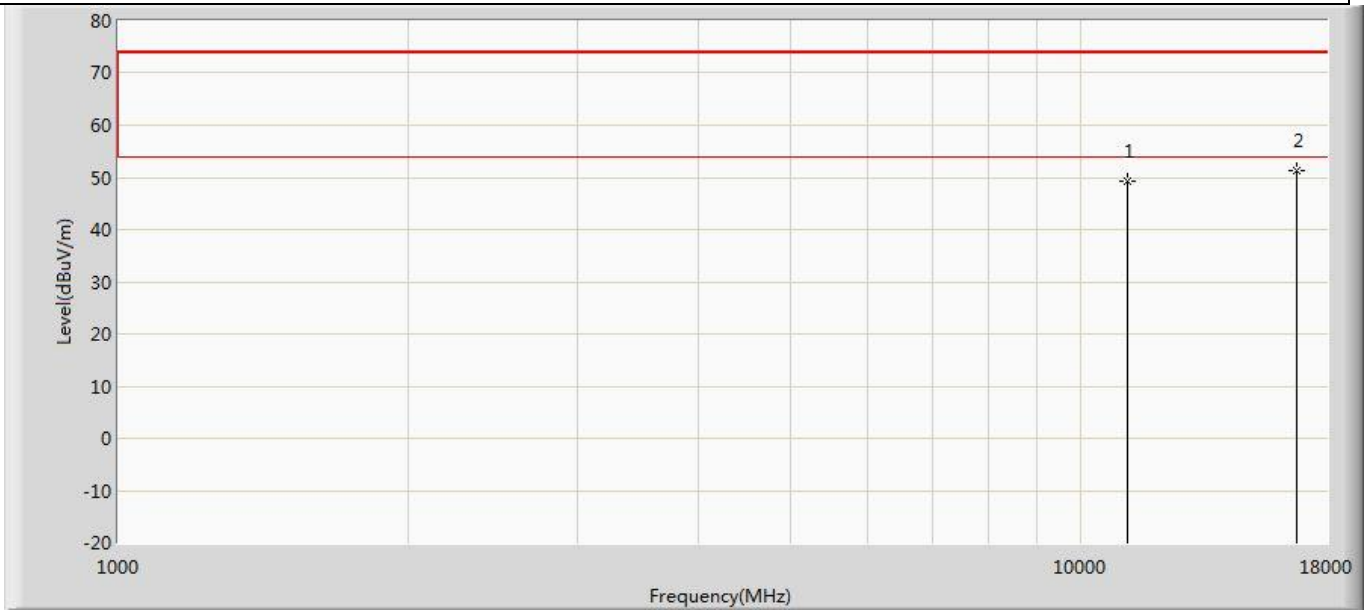
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11020.000	49.200	51.302	-24.800	74.000	-2.102	PK
2	*	16530.000	51.734	47.456	-22.266	74.000	4.278	PK

Profile: 2390387R	Page No.: 167
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5590MHz by 802.11ac(40MHz) with Ant2	



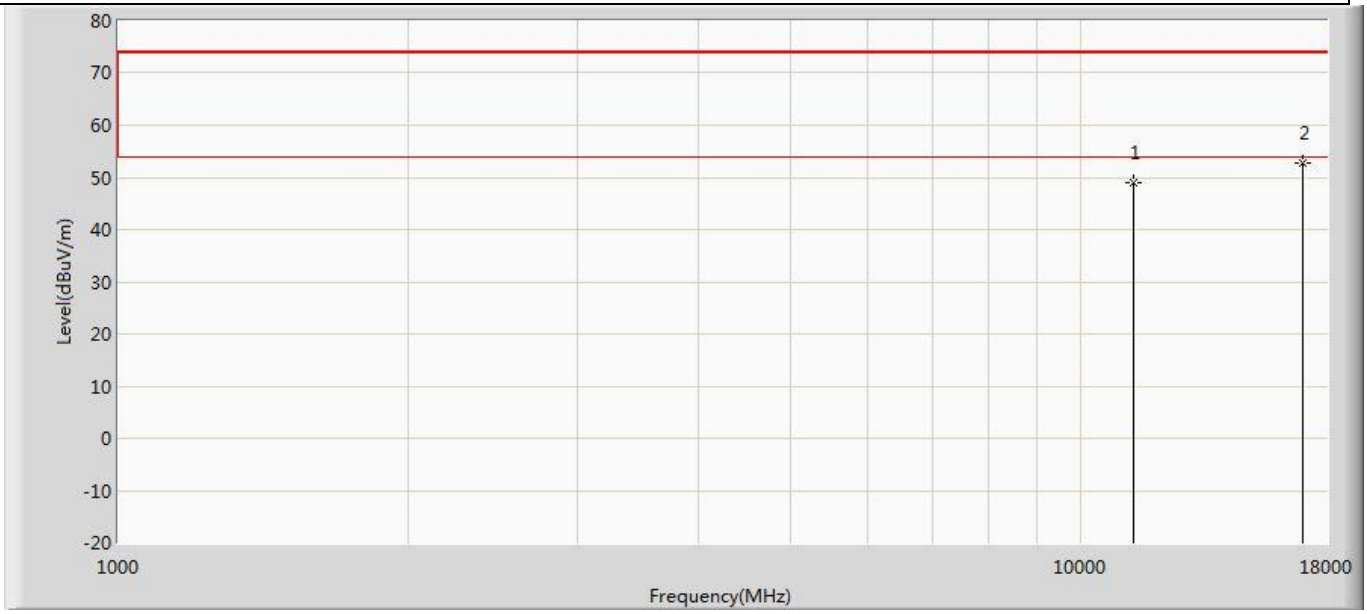
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	49.963	52.196	-24.037	74.000	-2.234	PK
2	*	16770.000	52.547	47.542	-21.453	74.000	5.005	PK

Profile: 2390387R	Page No.: 168
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5590MHz by 802.11ac(40MHz) with Ant2	



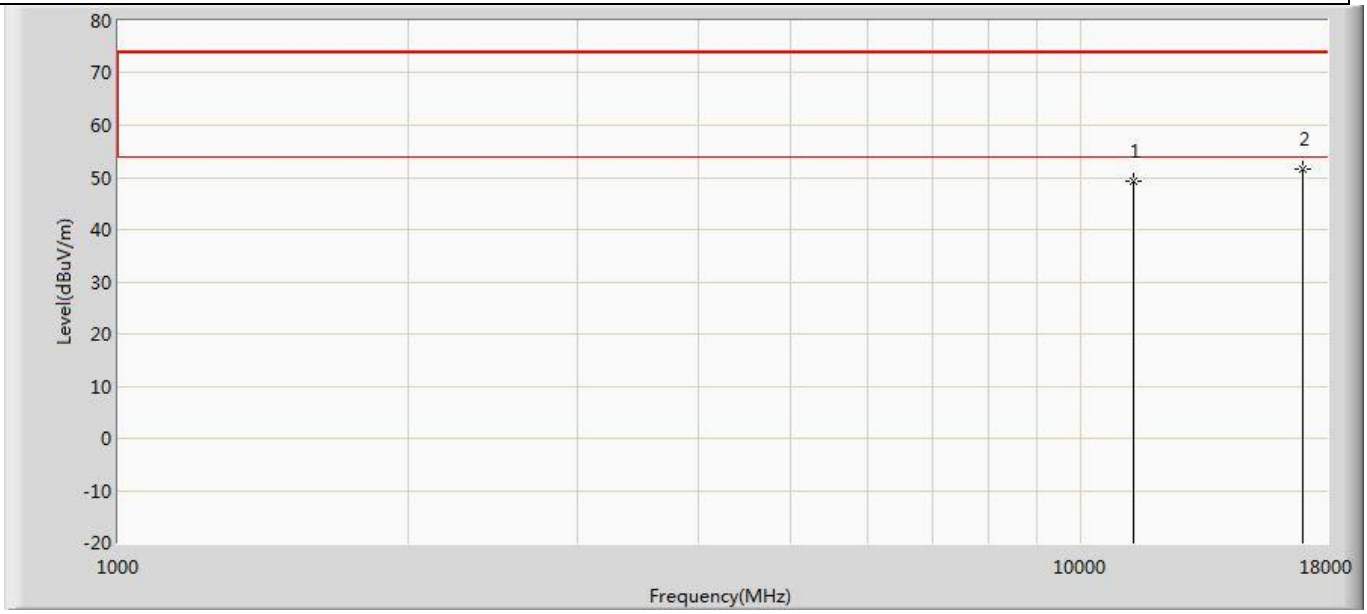
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11180.000	49.284	51.517	-24.716	74.000	-2.234	PK
2	*	16770.000	51.376	46.371	-22.624	74.000	5.005	PK

Profile: 2390387R	Page No.: 169
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5670MHz by 802.11ac(40MHz) with Ant2	



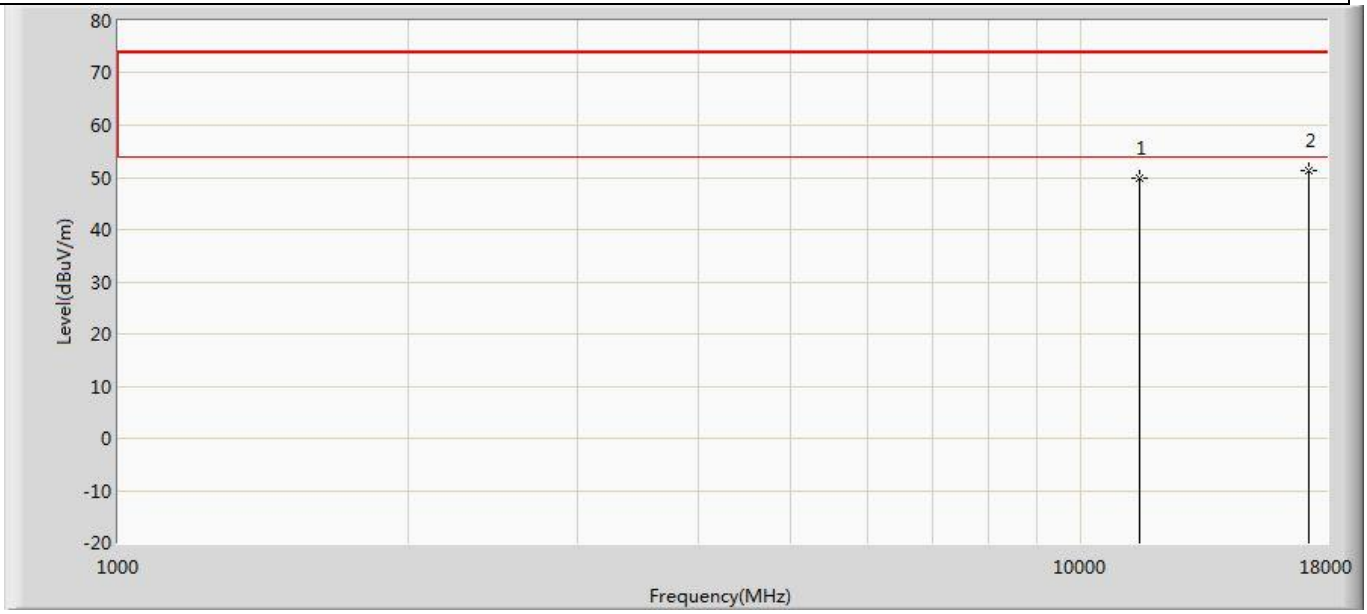
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	49.009	50.380	-24.991	74.000	-1.371	PK
2	*	17010.000	52.619	48.454	-21.381	74.000	4.165	PK

Profile: 2390387R	Page No.: 170
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5670MHz by 802.11ac(40MHz) with Ant2	



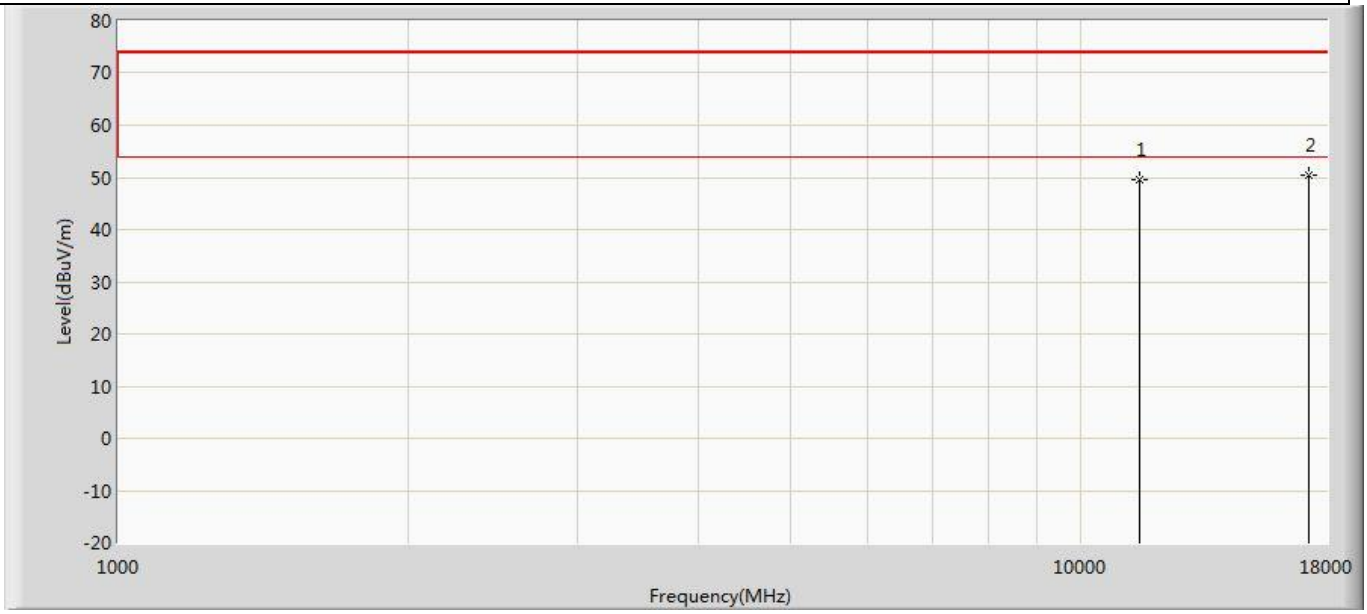
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11340.000	49.249	50.620	-24.751	74.000	-1.371	PK
2	*	17010.000	51.704	47.539	-22.296	74.000	4.165	PK

Profile: 2390387R	Page No.: 51
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5755MHz by 802.11ac(40MHz) with Ant2	



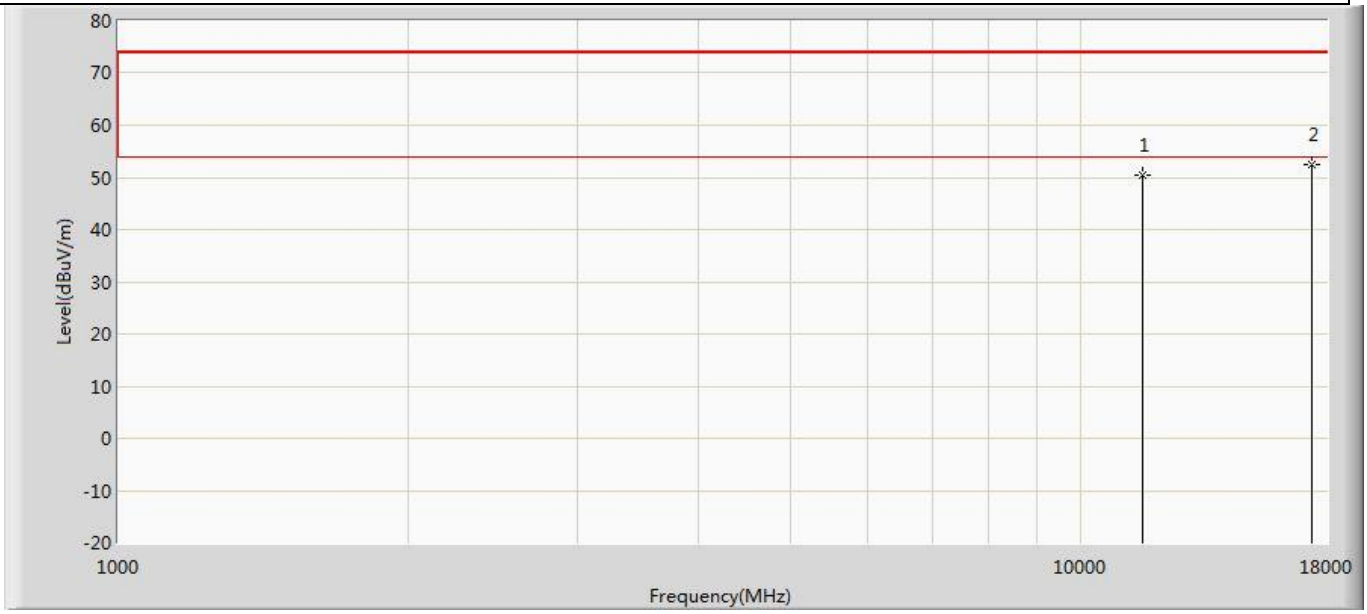
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.820	51.098	-24.180	74.000	-1.278	PK
2	*	17265.000	51.205	47.792	-22.795	74.000	3.412	PK

Profile: 2390387R	Page No.: 52
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5755MHz by 802.11ac(40MHz) with Ant2	



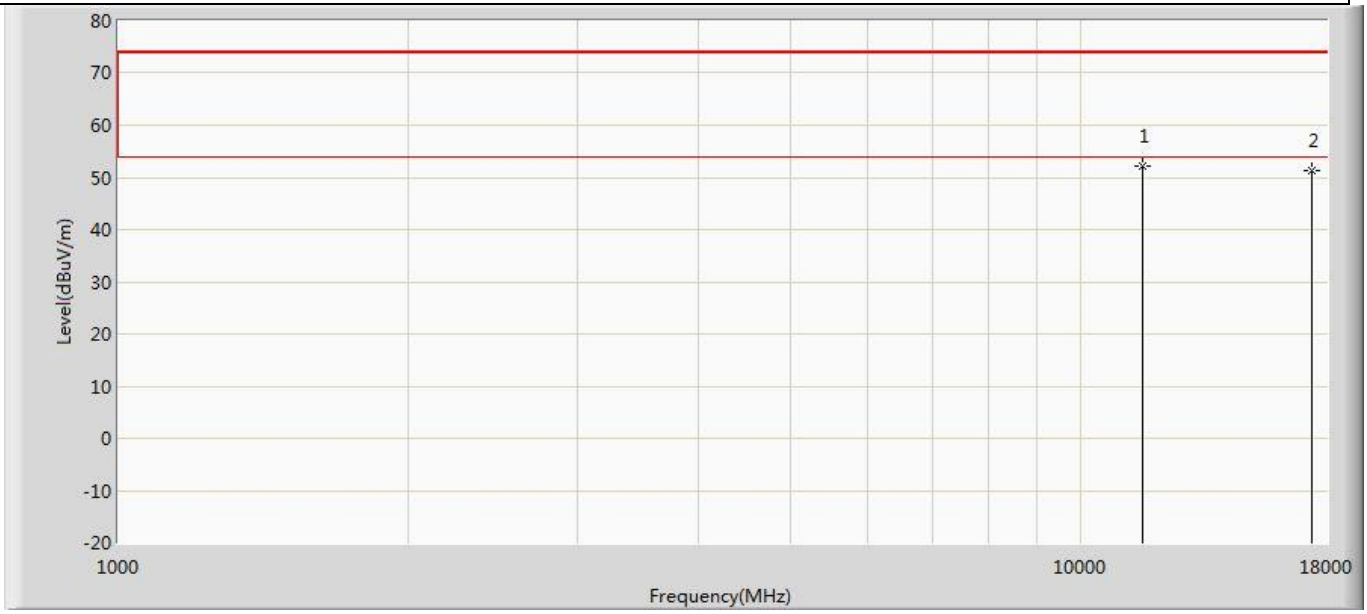
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11510.000	49.669	50.947	-24.331	74.000	-1.278	PK
2	*	17265.000	50.542	47.129	-23.458	74.000	3.412	PK

Profile: 2390387R	Page No.: 53
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5795MHz by 802.11ac(40MHz) with Ant2	



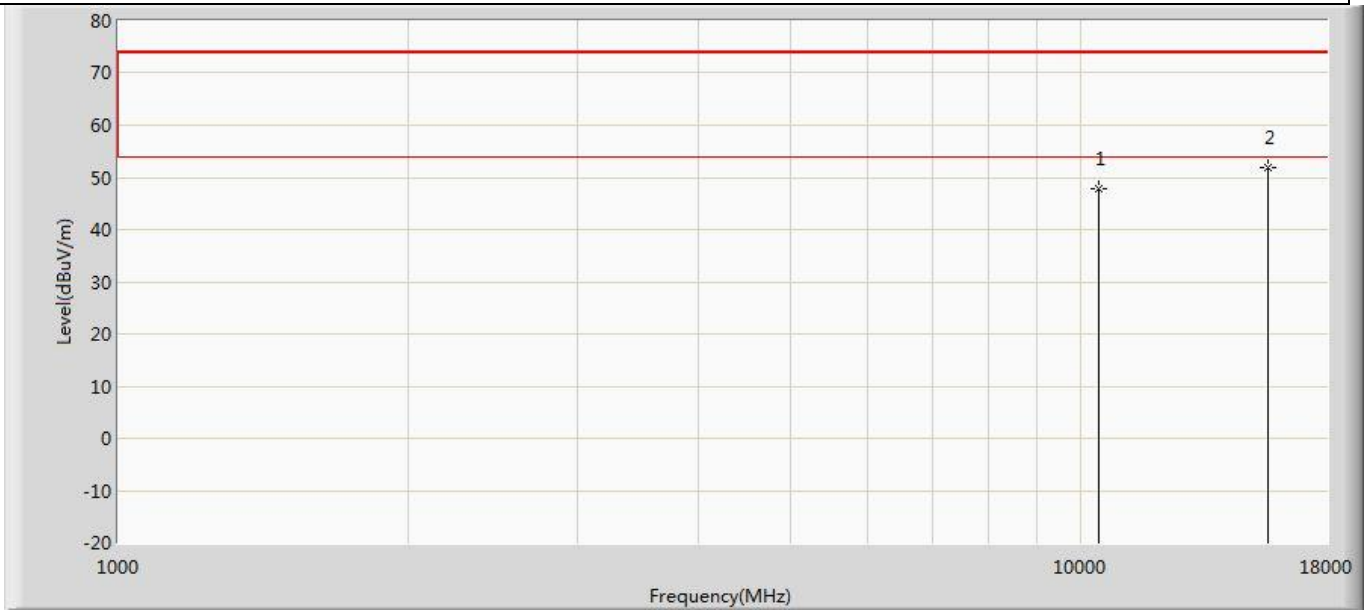
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11590.000	50.415	50.314	-23.585	74.000	0.101	PK
2	*	17385.000	52.361	49.029	-21.639	74.000	3.332	PK

Profile: 2390387R	Page No.: 54
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 5：Transmit at 5795MHz by 802.11ac(40MHz) with Ant2	



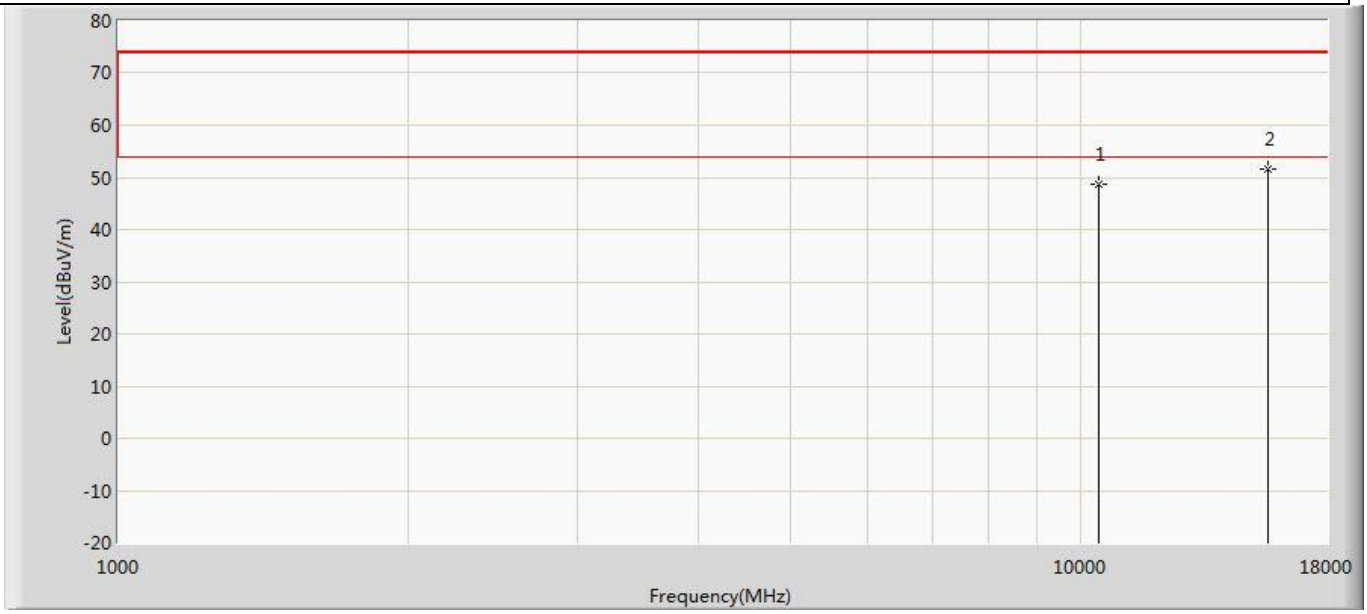
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	11590.000	52.167	52.066	-21.833	74.000	0.101	PK
2		17385.000	51.351	48.019	-22.649	74.000	3.332	PK

Profile: 2390387R	Page No.: 171
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5210MHz by 802.11ac(80MHz) with Ant2	



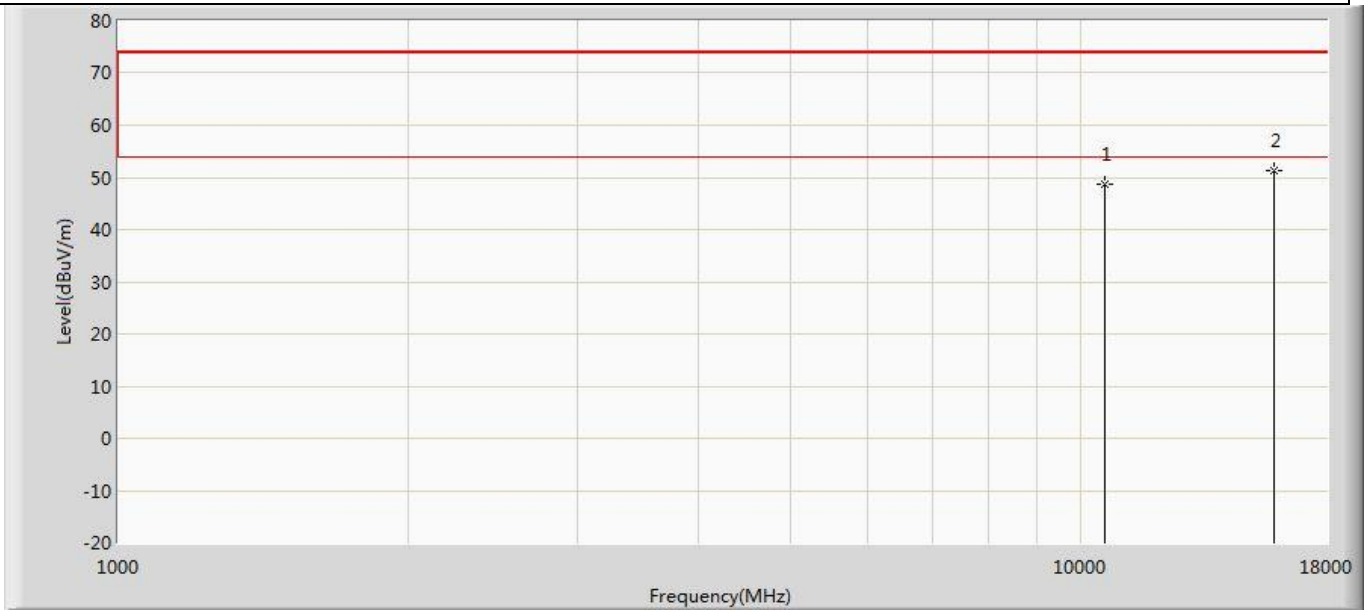
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	47.771	50.767	-26.229	74.000	-2.996	PK
2	*	15630.000	51.948	50.716	-22.052	74.000	1.232	PK

Profile: 2390387R	Page No.: 172
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5210MHz by 802.11ac(80MHz) with Ant2	



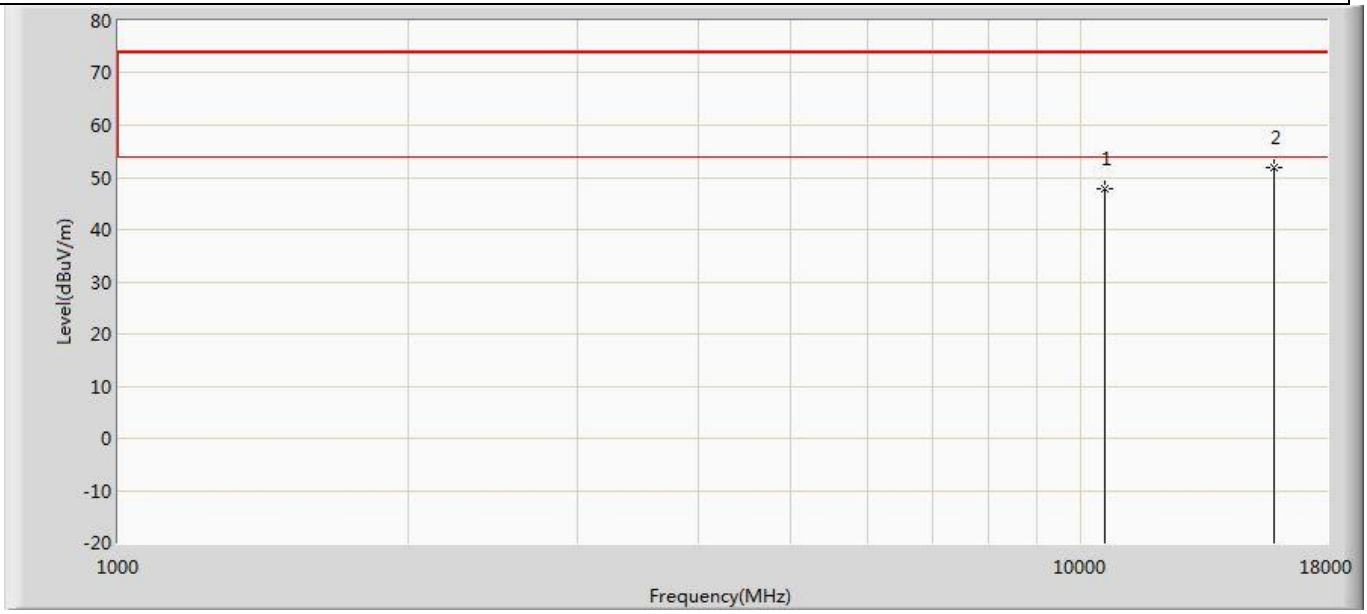
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10420.000	48.747	51.743	-25.253	74.000	-2.996	PK
2	*	15630.000	51.563	50.331	-22.437	74.000	1.232	PK

Profile: 2390387R	Page No.: 173
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5290MHz by 802.11ac(80MHz) with Ant2	



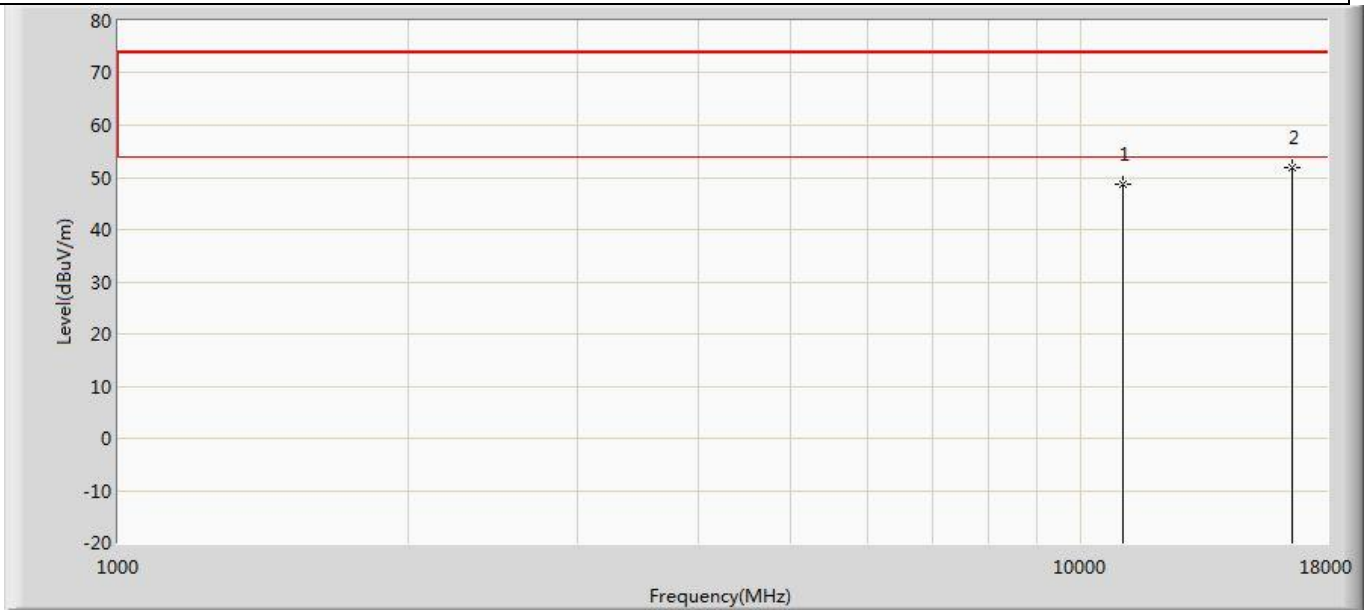
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	48.648	51.664	-25.352	74.000	-3.015	PK
2	*	15870.000	51.356	49.501	-22.644	74.000	1.855	PK

Profile: 2390387R	Page No.: 174
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5290MHz by 802.11ac(80MHz) with Ant2	



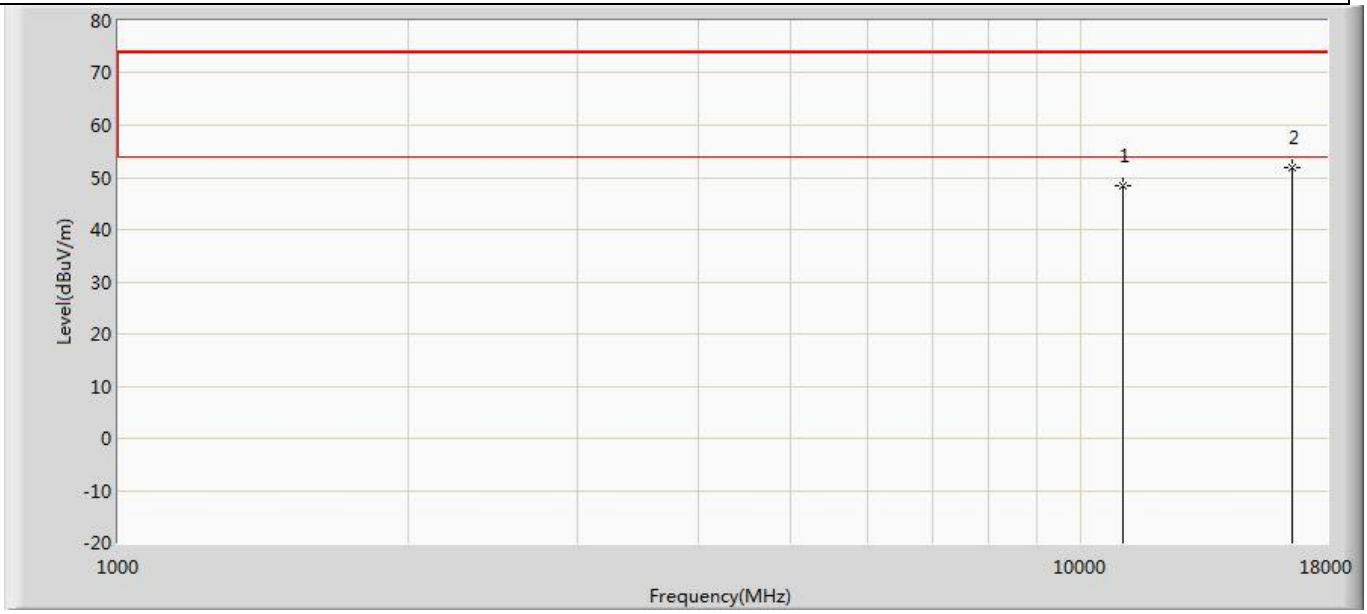
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10580.000	47.926	50.942	-26.074	74.000	-3.015	PK
2	*	15870.000	52.011	50.156	-21.989	74.000	1.855	PK

Profile: 2390387R	Page No.: 175
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5530MHz by 802.11ac(80MHz) with Ant2	



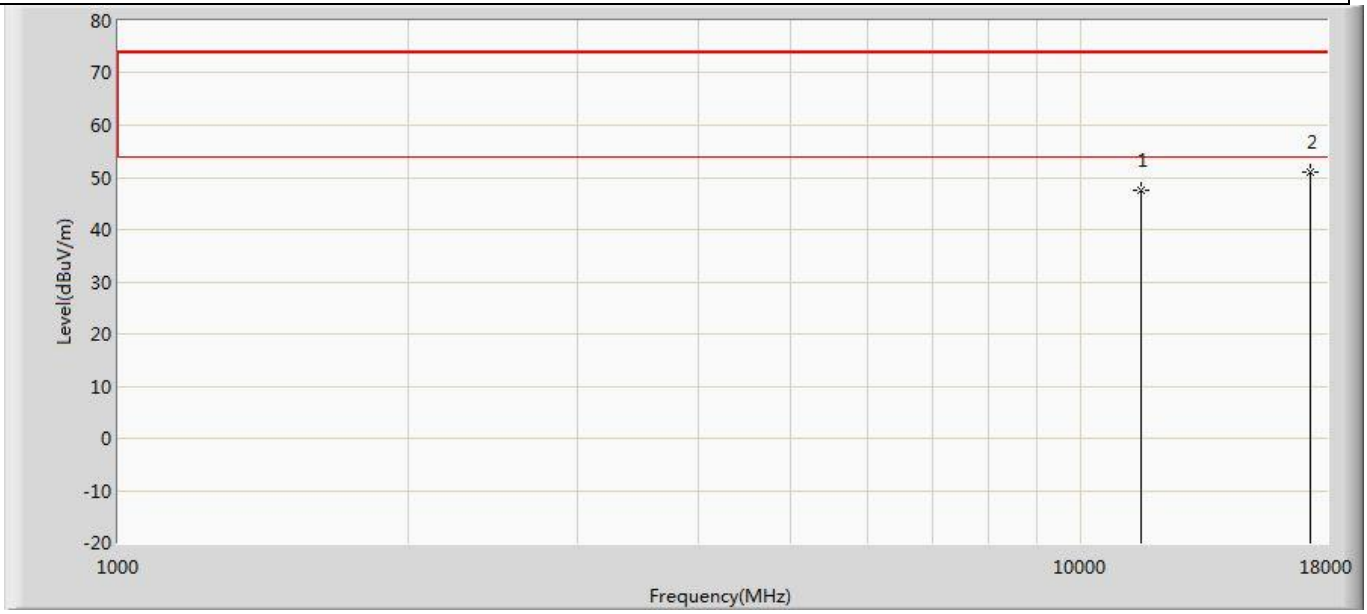
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	48.595	50.740	-25.405	74.000	-2.145	PK
2	*	16590.000	52.004	47.816	-21.996	74.000	4.189	PK

Profile: 2390387R	Page No.: 176
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:11
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5530MHz by 802.11ac(80MHz) with Ant2	



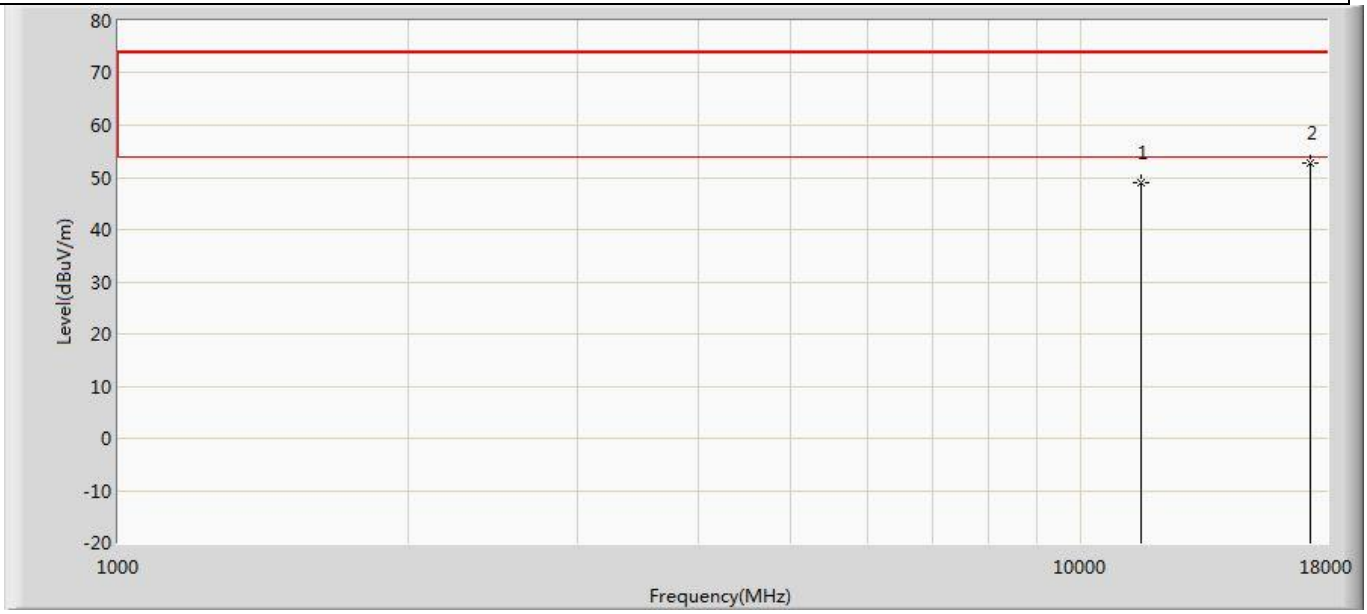
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11060.000	48.492	50.637	-25.508	74.000	-2.145	PK
2	*	16590.000	51.908	47.720	-22.092	74.000	4.189	PK

Profile: 2390387R	Page No.: 55
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5775MHz by 802.11ac(80MHz) with Ant2	



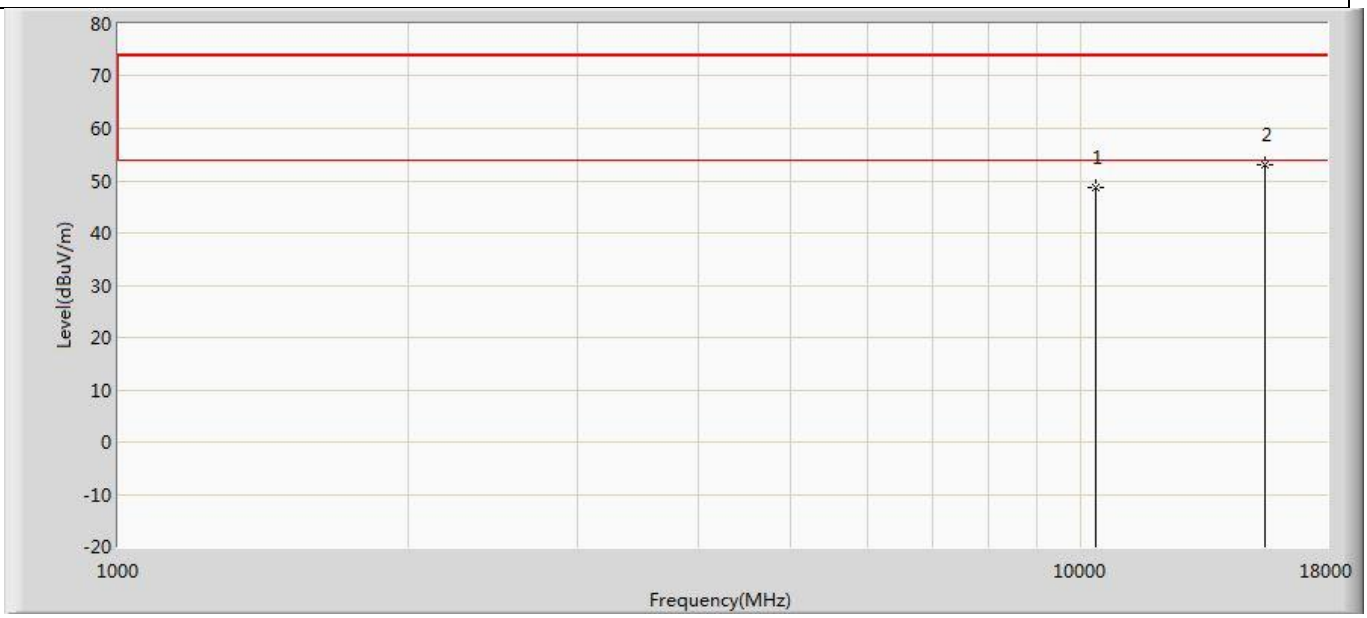
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	47.611	49.171	-26.389	74.000	-1.560	PK
2	*	17325.000	51.064	47.514	-22.936	74.000	3.549	PK

Profile: 2390387R	Page No.: 56
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/12 - 09:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 6：Transmit at 5775MHz by 802.11ac(80MHz) with Ant2	



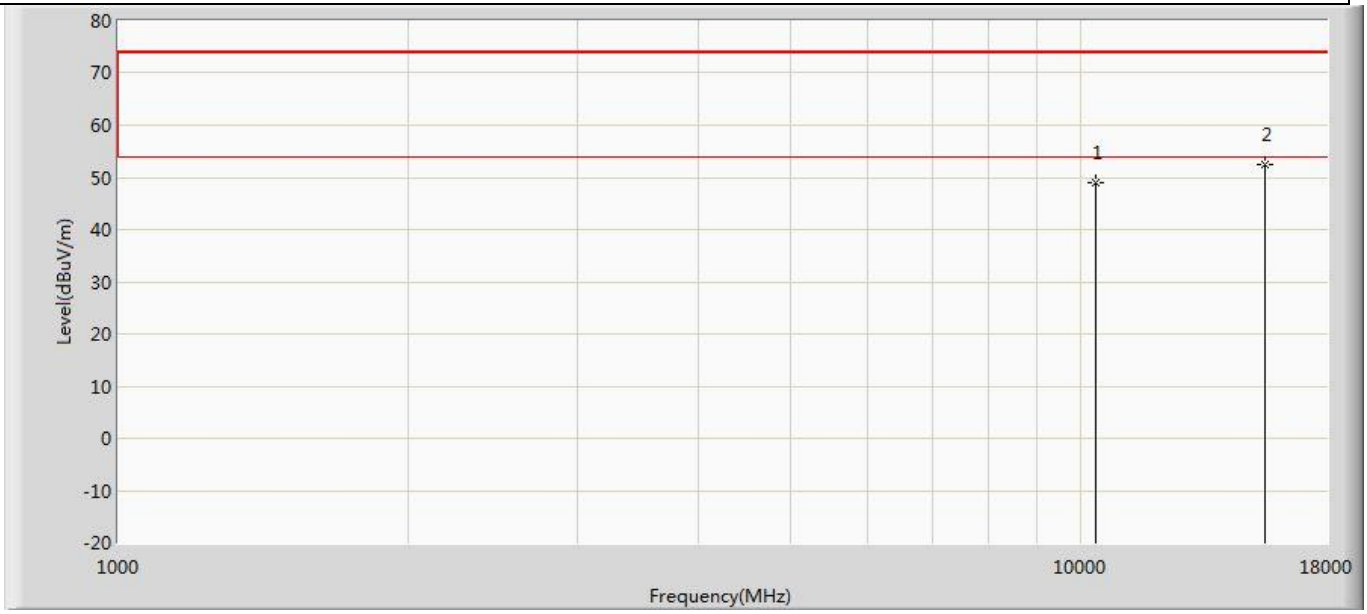
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		11550.000	48.919	50.479	-25.081	74.000	-1.560	PK
2	*	17325.000	52.829	49.279	-21.171	74.000	3.549	PK

Profile: 2390387R	Page No.: 71
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/27 - 11:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant1+ANT2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	48.708	52.114	-25.292	74.000	-3.406	PK
2	*	15540.000	52.982	51.939	-21.018	74.000	1.043	PK

Profile: 2390387R	Page No.: 72
Engineer: Pengchengyang	
Site: AC5	Time: 2024/01/27 - 11:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: POS	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 5180MHz by 802.11n(20MHz) with Ant1+ANT2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		10360.000	49.084	52.490	-24.916	74.000	-3.406	PK
2	*	15540.000	52.359	51.316	-21.641	74.000	1.043	PK