FCC RADIO TEST REPORT
FCC ID: 2ABZJ-100-00113

Product : A6

Trade Mark : mimosa by Airspan

Model Name : A6

Family Model : iBridge A6

Report No. : S22042202904001

Prepared for

Mimosa Networks, Inc.

777 Yamato Road, Boca Raton, FL 33431 USA

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China.
Tel. 400-800-6106, 0755-2320 0050, 0755-2320 0090
Website: http://www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's name ..... Mimosa Networks, Inc.

Address ..... 777 Yamato Road, Boca Raton, FL 33431 USA

Manufacturer's Name ..... Mimosa Networks, Inc.

Address ..... 777 Yamato Road, Boca Raton, FL 33431 USA

Product description

Product name A6

Model and/or type reference A6

Family Model..... mimosa by Airspan

Standards ..... FCC Part15.407

Test procedure ..... ANSI C63.10-2013;
KDB 789033 D02 General UNII Test Procedures New Rules v02r01
KDB 662911 D01 Multiple Transmitter Output v02r01
KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
KDB 905462 D04 Operational Modes for DFS Testing New Rules v01

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements/ the Industry Canada requirements.. And it is applicable only to the tested sample identified in the report.

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Date of Test .....

Date (s) of performance of tests ..... 06 May. 2022 ~ 30 Jun. 2022

Date of Issue..... 01 Jul. 2022

Test Result..... **Pass**

Testing Engineer : Cheng Jiawen

(Cheng Jiawen)

Authorized Signatory : Alex

(Alex Li)

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Revision History

Report No.	Version	Description	Issued Date
S22042202904001	Rev.01	Initial issue of report	01 Jul. 2022

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.407) , Subpart E			
Standard Section	Test Item	Judgment	Remark
15.207	AC Power Line Conducted Emissions	PASS	
15.209(a) 15.407(b)	Spurious Radiated Emissions	PASS	
15.407(a)	26 dB and 99% Emission Bandwidth	PASS	
15.407(e)	Minimum 6 dB bandwidth	PASS	
15.407(a)	Maximum Conducted Output Power	PASS	
15.407(b)	Band Edge	PASS	
15.407(a)	Power Spectral Density	PASS	
15.407(b)	Spurious Emissions at Antenna Terminals	PASS	
15.407(h)	Dynamic Frequency Selection(DFS)	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

1.1 FACILITIES AND ACCREDITATIONS

FACILITIES

All measurement facilities used to collect the measurement data are located at 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

CNAS-Lab.	:	The Certificate Registration Number is L5516.
IC-Registration		The Certificate Registration Number is 9270A.
		CAB identifier:CN0074
FCC- Accredited		Test Firm Registration Number: 463705.
		Designation Number: CN1184
A2LA-Lab.		The Certificate Registration Number is 4298.01
Name of Firm	:	Shenzhen NTEK Testing Technology Co., Ltd.
Site Location	:	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R.China.

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±2.80dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(30MHz~1GHz)	±2.64dB
5	All emissions, radiated(1GHz~6GHz)	±2.40dB
6	All emissions, radiated(> 6GHz)	±2.52dB
7	Temperature	±0.5°C
8	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	A6	
Trade Mark	mimosa by Airspan	
Model Name	A6	
Family Model	iBridge A6	
Model Difference	All the model are the same circuit and RF module, except the model names.	
FCC ID	2ABZJ-100-00113	
Product Description	IEEE 802.11 WLAN Mode Supported	☒802.11ac/ax (20MHz channel bandwidth) ☒802.11ac/ax (40MHz channel bandwidth) ☒802.11ac/ax (80MHz channel bandwidth) ☒802.11ac/ax (160MHz channel bandwidth)
	Modulation	OFDM/OFDMA (BPSK/1024QAM)
	Operating Frequency Range	☒U-NII-1: 5180-5240MHz for 802.11ac/ax(20MHz); 5190-5230MHz for 802.11ac/ax(40MHz); 5210MHz for 802.11ac/ax(80MHz) 5250MHz for 802.11ac/ax(160MHz) ☒U-NII-2A: 5260-5320MHz for 802.11ac/ax(20MHz); 5270-5310MHz for 802.11ac/ax(40MHz); 5290MHz for 802.11ac/ax(80MHz) 5250MHz for 802.11ac/ax(160MHz) ☒U-NII-2C: 5500-5700MHz for 802.11ac/ax(20MHz); 5510-5670MHz for 802.11ac/ax(40MHz); 5530-5610MHz for 802.11ac/ax(80MHz) 5570MHz for 802.11ac/ax(160MHz) ☒U-NII-3: 5745-5825 MHz for 802.11ac/ax(20MHz); 5755-5795 MHz for 802.11ac/ax(40MHz); 5775MHz for 802.11ac/ax(80MHz)
	Number of Channels	☒4 channels for U-NII-1(ac/ax 20); 2 channels for U-NII-1(ac/ax 40); 1 channels for U-NII-1(ac/ax 80); 1 channels for U-NII-1(ac/ax 160); ☒4 channels for U-NII-2A(ac/ax 20); 2 channels for U-NII-2A(ac/ax 40); 1 channels for U-NII-2A(ac/ax 80); 1 channels for U-NII-2A(ac/ax 160); ☒11 channels for U-NII-2C(ac/ax 20); 5 channels for U-NII-2C(ac/ax 40); 2 channels for U-NII-2C(ac/ax 80); 1 channels for U-NII-2C(ac/ax 160); ☒5 channels for U-NII-3(ac/ax 20); 2 channels for U-NII-3(ac/ax 40); 1 channels for U-NII-3(ac/ax 80);

<table>
<tr><td>Product Description</td><td>
<table>
<tr><td>Function:</td><td>☒Outdoor AP ☐Indoor AP ☐Fixed PTP ☐Client</td></tr>
<tr><td>DFS operational mode</td><td>Master</td></tr>
<tr><td>Smart system</td><td>☒MIMO for 802.11ac/ax</td></tr>
<tr><td>Antenna Type</td><td>Internal (Sector 90 degrees)</td></tr>
<tr><td>Antenna Gain</td><td>18dBi without beamforming, 24dBi with beamforming for only receive</td></tr>
</table>
Based on the application, features, or specification exhibited in User's Manual, More details of EUT technical specification, please refer to the User's Manual.
</td></tr>
<tr><td>Ratings</td><td>DC 48V from PoE or DC Power</td></tr>
<tr><td>Adapter</td><td>N/A</td></tr>
<tr><td>Connecting I/O Port(s)</td><td>Please refer to the User's Manual</td></tr>
<tr><td>HW Version</td><td>N/A</td></tr>
<tr><td>SW Version</td><td>N/A</td></tr>
</table>

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2.

Band	20MHz		40MHz		80MHz	
	Channel	Frequency	Channel	Frequency	Channel	Frequency
U-NII-1	36	5180 MHz	38	5190 MHz	42	5210 MHz
	40	5200 MHz	46	5230 MHz	-	-
	44	5220 MHz				
	48	5240 MHz				
U-NII-2A	52	5260 MHz	54	5270 MHz	58	5290 MHz
	56	5280 MHz	62	5310 MHz		
	60	5300 MHz				
	64	5320 MHz				
U-NII-2C	100	5500 MHz	102	5510 MHz	106	5530 MHz
	104	5520 MHz	110	5550 MHz	122	5610 MHz
	108	5540 MHz	118	5590 MHz		
	112	5560 MHz	126	5630 MHz		
	116	5580 MHz	134	5670 MHz		
	120	5600 MHz				
	124	5620 MHz				
	128	5640 MHz				
	132	5660 MHz				
	136	5680 MHz				
	140	5700 MHz				
U-NII-3	149	5745 MHz	151	5755 MHz	155	5775 MHz
	153	5765 MHz	159	5795 MHz		
	157	5785 MHz				
	161	5805 MHz				
	165	5825 MHz				

3.

Band	160MHz	
	Channel	Frequency
U-NII-1	50	5250 MHz
U-NII-2A	50	5250 MHz
U-NII-2C	114	5570 MHz

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Normal Link Mode
Mode 2	802.11ac/ax 20 CH36/ CH40/ CH 48 802.11ac/ax 20 CH52/ CH56/ CH 64 802.11ac/ax 20 CH100/ CH120/ CH 140 802.11ac/ax 20 CH149/ CH157/ CH 165
Mode 3	802.11ac/ax 40 CH38/ CH 46 802.11ac/ax 40 CH54/ CH 62 802.11ac/ax 40 CH102/ CH 118/ CH 134 802.11ac/ax 40 CH 151 / CH 159
Mode 4	802.11ac/ax 80 CH 42 802.11ac/ax 80 CH 58 802.11ac/ax 80 CH 106/ CH 122 802.11ac/ax 80 CH 155
Mode 5	802.11ac/ax 160 CH 50 802.11ac/ax 160 CH 140

For Radiated Emission	
Final Test Mode	Description
Mode 1	Normal Link Mode
Mode 2	802.11ac/ax 20 CH36/ CH40/ CH 48 802.11ac/ax 20 CH52/ CH56/ CH 64 802.11ac/ax 20 CH100/ CH120/ CH 140 802.11ac/ax 20 CH149/ CH157/ CH 165
Mode 3	802.11ac/ax 40 CH38/ CH 46 802.11ac/ax 40 CH54/ CH 62 802.11ac/ax 40 CH102/ CH 118/ CH 134 802.11ac/ax 40 CH 151 / CH 159
Mode 4	802.11ac/ax 80 CH 42 802.11ac/ax 80 CH 58 802.11ac/ax 80 CH 106/ CH 122 802.11ac/ax 80 CH 155
Mode 5	802.11ac/ax 160 CH 50 802.11ac/ax 160 CH 140

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

(2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported

The EUT support MIMO modes, transmit mode what describe as following:

Mode	Tx / Rx
802.11ac/ax (20MHz,40MHz,80MHz,160MHz)	8TX, 8RX

For 5GHz band, 802.11ac/ax(20/40/80/160) has MIMO mode, Antenna 1,2,3,4,5,6,7,8 are simultaneous transmissions, each with the same directional gain.

18dBi Antenna

For power measurements: Directional gain=G_{ANT} + Array Gain=18dBi + 0 = 18dBi

For power spectral density (PSD) measurements: Directional gain=G_{ANT} +Array Gain=18dBi+0=18dBi

Note: G_{ANT} means antenna gain for the same gain in dBi.

For power spectral density (PSD) measurements: Array Gain = 10log(N_{ANT}/N_{SS})dB.

For power measurements:

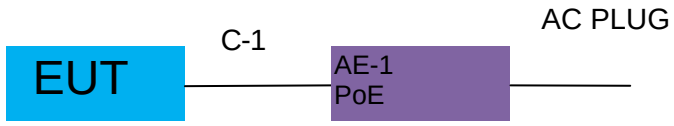
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths $\geq$ 40 MHz for any N_{ANT};
Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

N_{ANT} = number of transmit antennas and
N_{SS} = number of spatial streams.

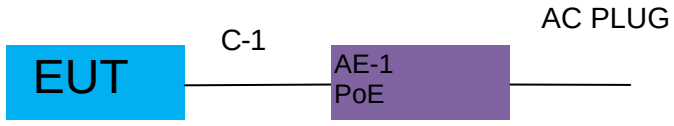
Band	Modulation	Power Setting
U-NII-1	802.11ac/ax 20/40/80/160	5
U-NII-2A	802.11ac/ax 20/40/80/160	5
U-NII-2C	802.11ac/ax 20/40/80/160	5
U-NII-3	802.11ac/ax 20/40/80	5

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

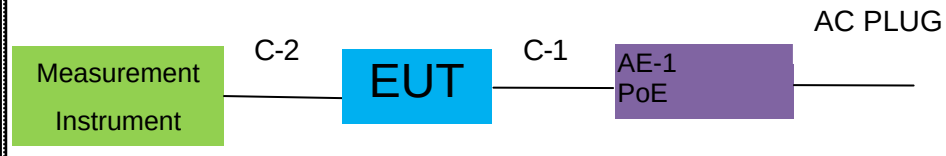
For AC Conducted Emission Mode



For Radiated Test Cases



For Conducted Test Cases



Note:1.The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
AE-1	PoE	N/A	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length
C-1	Ethernet Cable	YES	NO	2.0m
C-2	RF Cable	YES	NO	0.25m

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation& Conducted Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2022.04.01	2023.03.31	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2021.07.01	2022.06.30	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2021.07.01	2022.06.30	1 year
4	Test Receiver	R&S	ESPI7	101318	2022.04.06	2023.04.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2022.03.30	2023.03.29	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2020.05.11	2023.05.10	3 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2022.03.31	2023.03.30	1 year
8	Amplifier	EMC	EMC051835SE	980246	2021.07.01	2022.06.30	1 year
9	Active Loop Antenna	SCHWARZBECK	FMZB 1519 B	055	2021.11.07	2022.11.06	1 year
10	USB RF Power Sensor	DARE	RPR3006W	15I00041SNO84	2021.07.01	2022.06.30	1 year
11	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2019.08.06	2022.08.05	3 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2019.08.06	2022.08.05	3 year
13	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2019.08.06	2022.08.05	3 year
14	High Test Cable(1G-40GHz)	N/A	R-04	N/A	2019.08.06	2022.08.05	3 year
15	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A
16	Low Noise Amplifier	B&Z	BZ-P540-550850-452727	16476-11729	2022.03.09	2023.03.08	1 year
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	2021.11.07	2022.11.06	1 year
18	Thermal Chamber	Ten Billion	TTC-B3C	TBN-960502	2020.08.07	2023.08.06	3 year
19	MXG Vector Signal Generator	Agilent	N5182A	MY47070317	2022.04.01	2023.03.31	1 year

Note:
We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

AC Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2022.04.06	2023.04.05	1 year
2	LISN	R&S	ENV216	101313	2022.04.06	2023.04.05	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2022.04.06	2023.04.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2020.05.11	2023.05.10	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2020.05.11	2023.05.10	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2020.05.11	2023.05.10	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2020.05.11	2023.05.10	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable& Aux Equipment which is scheduled for calibration every 3 years.

3. TEST REQUIREMENTS

3.1CONDUCTED EMISSION MEASUREMENT

3.1.1 APPLICABLE STANDARD

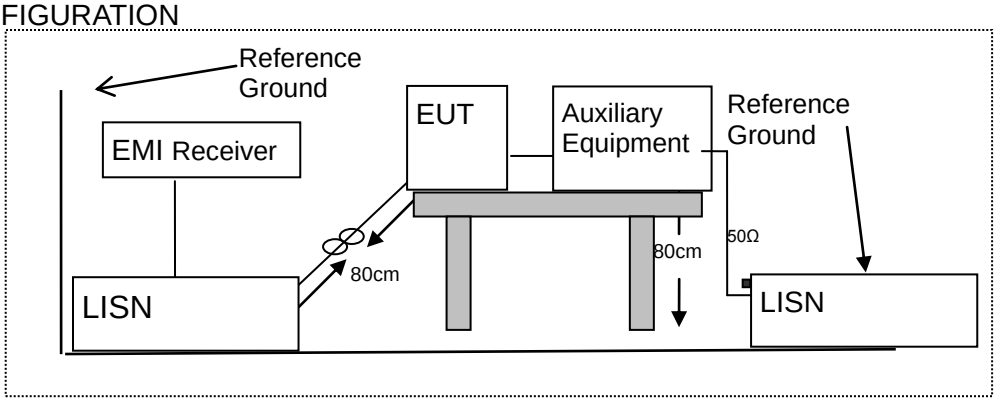
According to FCC Part 15.207(a)

3.1.2 CONFORMANCE LIMIT

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
2. The lower limit shall apply at the transition frequencies
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3.1.3 TEST CONFIGURATION



3.1.4 TEST PROCEDURE

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.5 TEST RESULTS

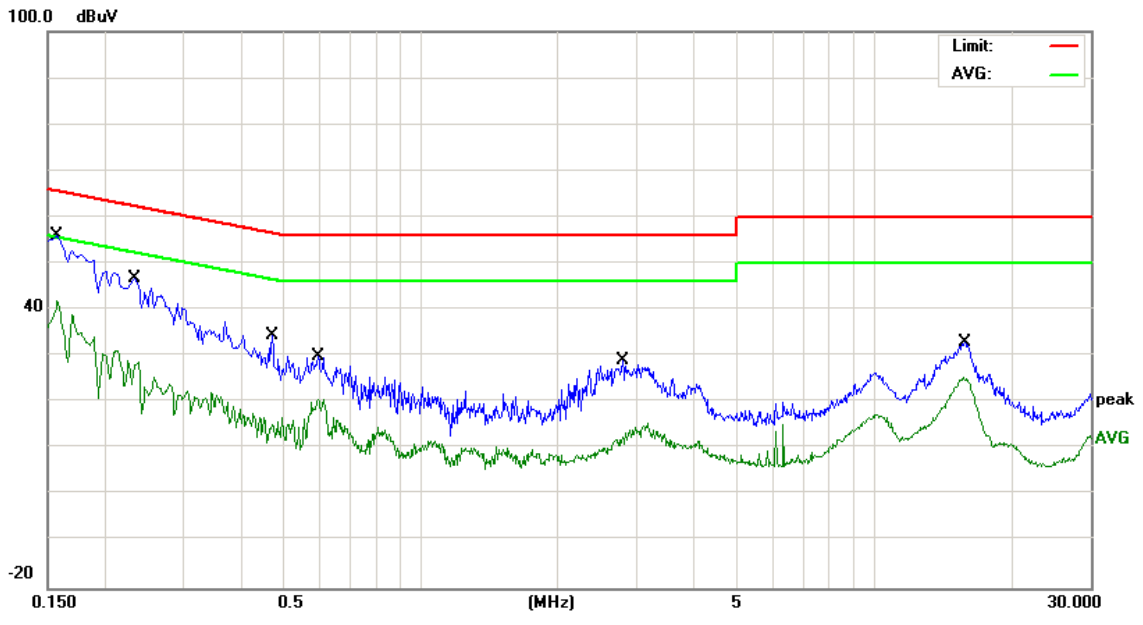
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.2G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1580	46.41	9.60	56.01	65.56	-9.55	QP
0.1580	32.36	9.60	41.96	55.56	-13.60	AVG
0.2340	37.23	9.63	46.86	62.30	-15.44	QP
0.2340	19.03	9.63	28.66	52.30	-23.64	AVG
0.4700	24.67	9.66	34.33	56.51	-22.18	QP
0.4700	10.98	9.66	20.64	46.51	-25.87	AVG
0.5940	20.32	9.67	29.99	56.00	-26.01	QP
0.5940	10.97	9.67	20.64	46.00	-25.36	AVG
2.7860	19.28	9.73	29.01	56.00	-26.99	QP
2.7860	5.90	9.73	15.63	46.00	-30.37	AVG
15.8220	22.83	10.10	32.93	60.00	-27.07	QP
15.8220	15.40	10.10	25.50	50.00	-24.50	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

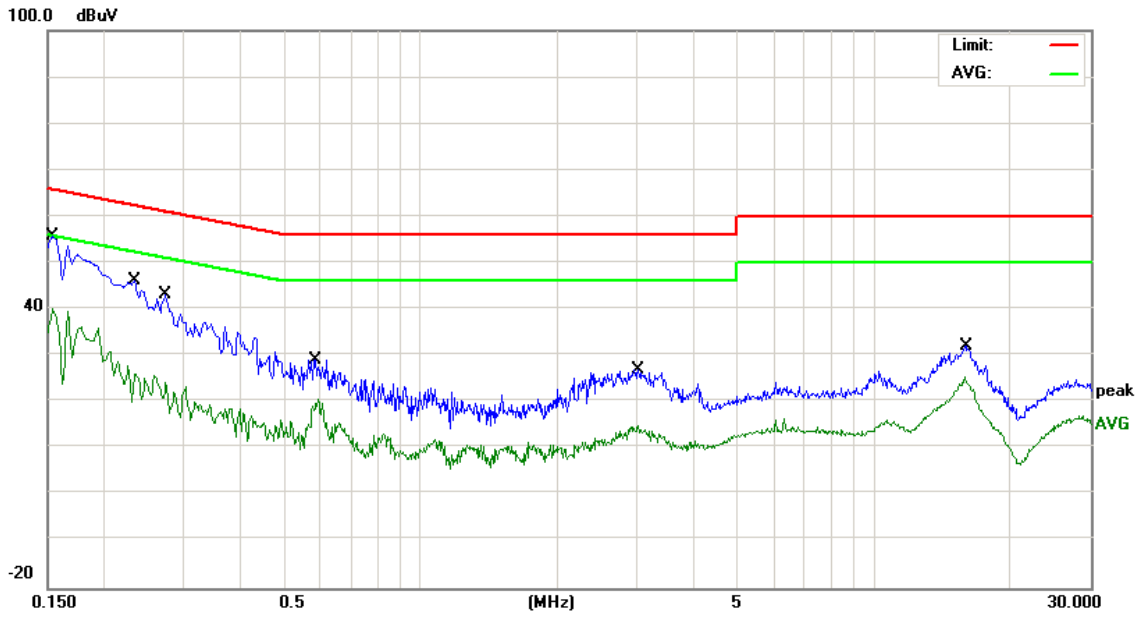
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.2G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	46.18	9.65	55.83	65.78	-9.95	QP
0.1539	30.44	9.65	40.09	55.78	-15.69	AVG
0.2340	36.58	9.62	46.20	62.30	-16.10	QP
0.2340	16.83	9.62	26.45	52.30	-25.85	AVG
0.2740	33.48	9.63	43.11	60.99	-17.88	QP
0.2740	14.49	9.63	24.12	50.99	-26.87	AVG
0.5940	19.48	9.67	29.15	56.00	-26.85	QP
0.5940	10.86	9.67	20.53	46.00	-25.47	AVG
3.0140	17.33	9.69	27.02	56.00	-28.98	QP
3.0140	5.12	9.69	14.81	46.00	-31.19	AVG
15.9820	22.12	10.07	32.19	60.00	-27.81	QP
15.9820	15.27	10.07	25.34	50.00	-24.66	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

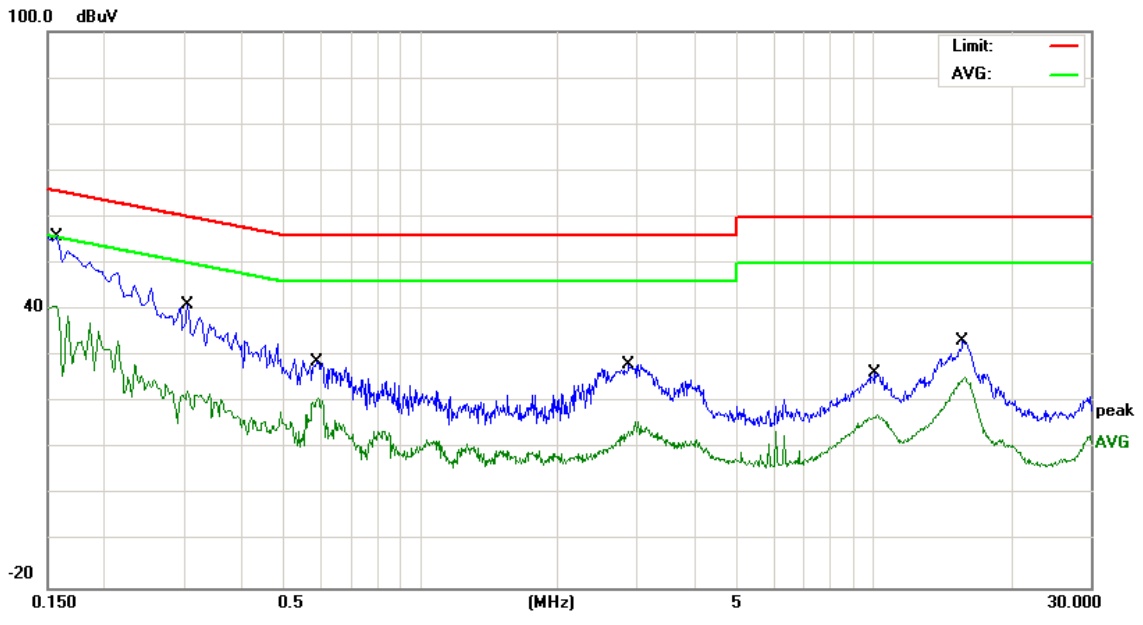
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.3G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1580	46.21	9.60	55.81	65.56	-9.75	QP
0.1580	31.29	9.60	40.89	55.56	-14.67	AVG
0.3060	31.34	9.64	40.98	60.08	-19.10	QP
0.3060	12.75	9.64	22.39	50.08	-27.69	AVG
0.5940	11.21	9.67	20.88	56.00	-35.12	QP
0.5940	11.21	9.67	20.88	46.00	-25.12	AVG
2.8780	18.34	9.73	28.07	56.00	-27.93	QP
2.8780	6.24	9.73	15.97	46.00	-30.03	AVG
10.0259	16.45	9.93	26.38	60.00	-33.62	QP
10.0259	7.29	9.93	17.22	50.00	-32.78	AVG
15.6620	23.30	10.10	33.40	60.00	-26.60	QP
15.6620	15.31	10.10	25.41	50.00	-24.59	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

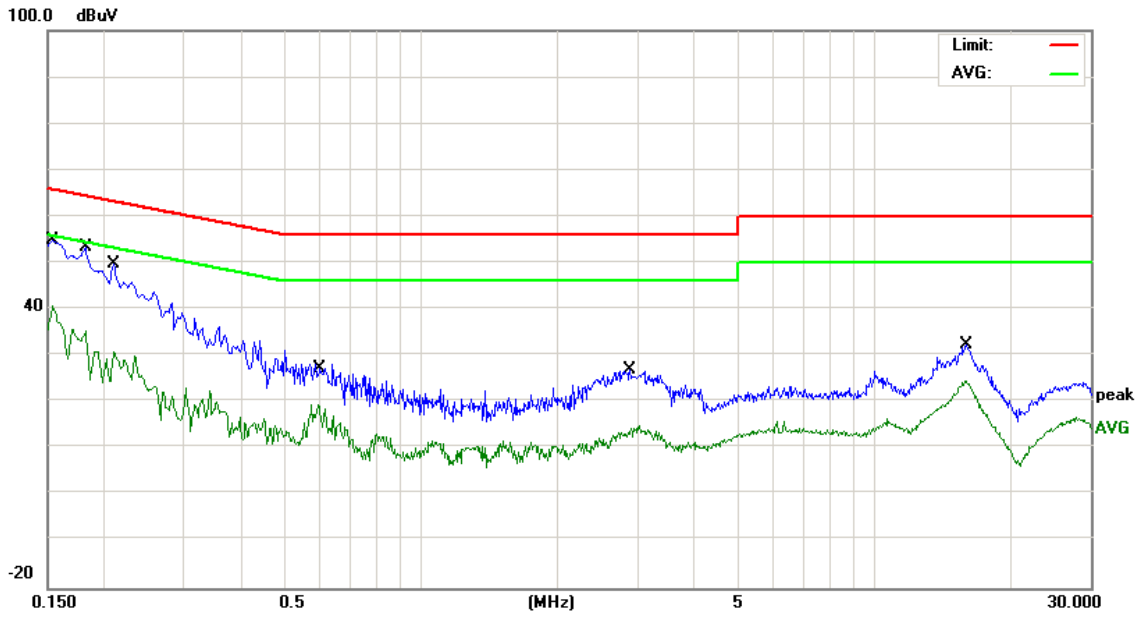
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.3G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	45.27	9.65	54.92	65.78	-10.86	QP
0.1539	31.25	9.65	40.90	55.78	-14.88	AVG
0.1819	43.57	9.64	53.21	64.39	-11.18	QP
0.1819	25.76	9.64	35.40	54.39	-18.99	AVG
0.2100	40.11	9.63	49.74	63.20	-13.46	QP
0.2100	21.27	9.63	30.90	53.20	-22.30	AVG
0.5940	18.58	9.67	28.25	56.00	-27.75	QP
0.5940	9.86	9.67	19.53	46.00	-26.47	AVG
2.8940	17.13	9.69	26.82	56.00	-29.18	QP
2.8940	5.20	9.69	14.89	46.00	-31.11	AVG
15.9340	22.26	10.07	32.33	60.00	-27.67	QP
15.9340	14.58	10.07	24.65	50.00	-25.35	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

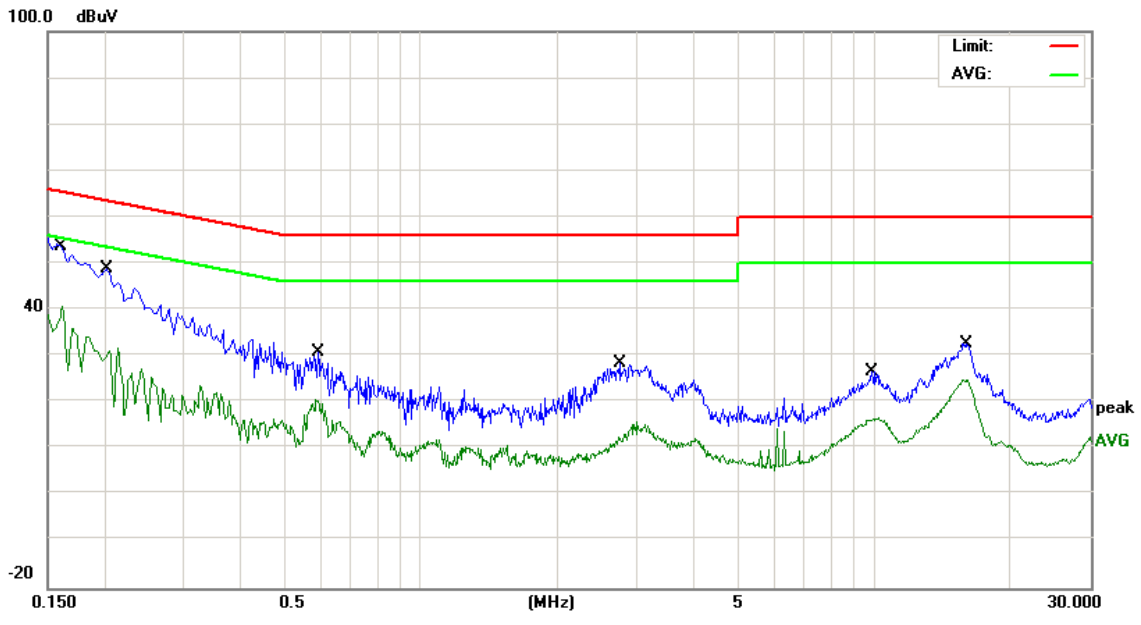
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.6G 802.11ax20 Mid CH

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1620	45.82	9.61	55.43	65.36	-9.93	QP
0.1620	31.04	9.61	40.65	55.36	-14.71	AVG
0.2020	39.25	9.61	48.86	63.52	-14.66	QP
0.2020	20.50	9.61	30.11	53.52	-23.41	AVG
0.5940	21.27	9.67	30.94	56.00	-25.06	QP
0.5940	11.06	9.67	20.73	46.00	-25.27	AVG
2.7500	18.61	9.73	28.34	56.00	-27.66	QP
2.7500	6.19	9.73	15.92	46.00	-30.08	AVG
9.9098	16.76	9.93	26.69	60.00	-33.31	QP
9.9098	6.86	9.93	16.79	50.00	-33.21	AVG
15.9660	22.53	10.10	32.63	60.00	-27.37	QP
15.9660	14.80	10.10	24.90	50.00	-25.10	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

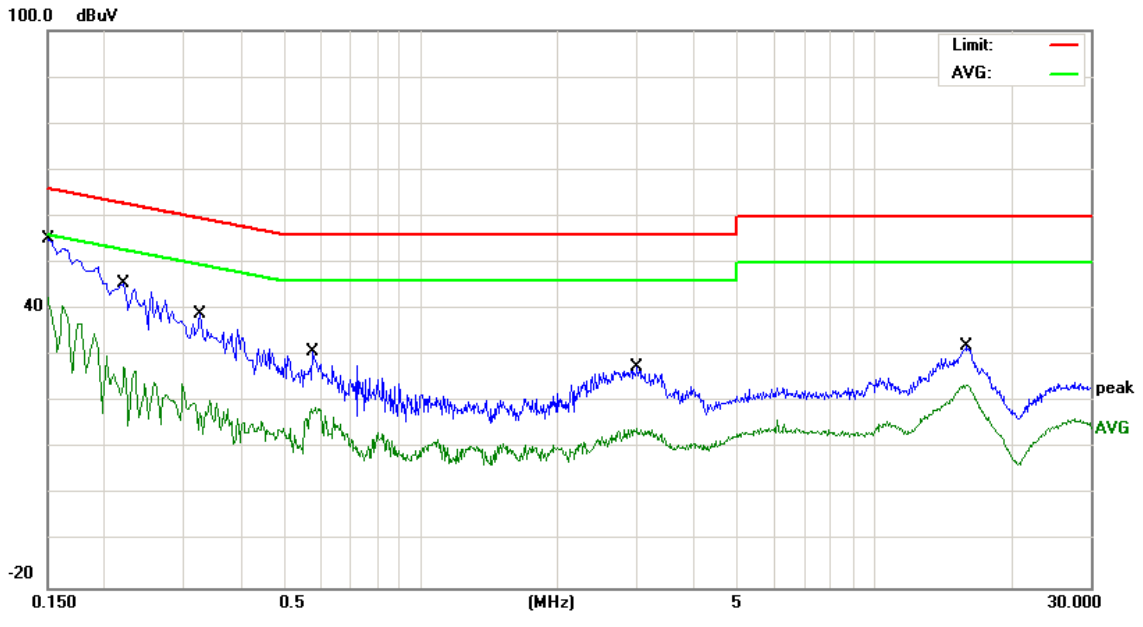
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.6G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1505	45.47	9.65	55.12	65.97	-10.85	QP
0.1505	32.88	9.65	42.53	55.97	-13.44	AVG
0.2220	35.80	9.63	45.43	62.74	-17.31	QP
0.2220	17.78	9.63	27.41	52.74	-25.33	AVG
0.3260	29.24	9.65	38.89	59.55	-20.66	QP
0.3260	10.80	9.65	20.45	49.55	-29.10	AVG
0.5780	21.30	9.67	30.97	56.00	-25.03	QP
0.5780	9.24	9.67	18.91	46.00	-27.09	AVG
2.9980	17.72	9.69	27.41	56.00	-28.59	QP
2.9980	17.72	9.69	27.41	46.00	-18.59	AVG
15.9860	21.86	10.07	31.93	60.00	-28.07	QP
15.9860	13.64	10.07	23.71	50.00	-26.29	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

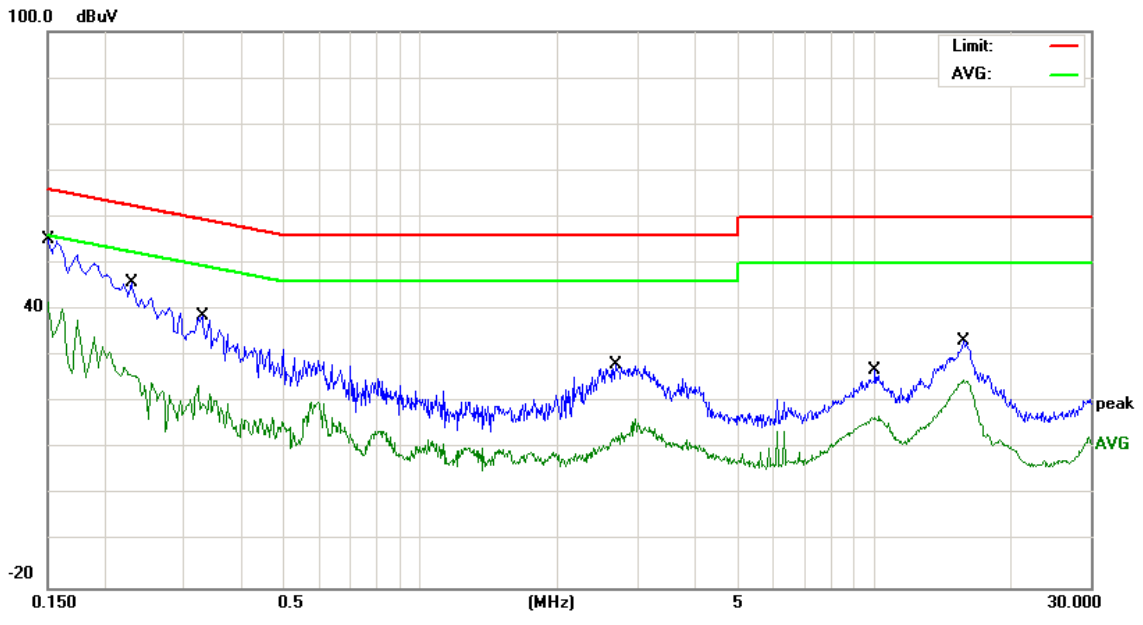
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1507	45.62	9.60	55.22	65.96	-10.74	QP
0.1507	32.02	9.60	41.62	55.96	-14.34	AVG
0.2300	36.13	9.63	45.76	62.45	-16.69	QP
0.2300	16.41	9.63	26.04	52.45	-26.41	AVG
0.3300	29.15	9.64	38.79	59.45	-20.66	QP
0.3300	14.16	9.64	23.80	49.45	-25.65	AVG
2.6980	18.51	9.72	28.23	56.00	-27.77	QP
2.6980	6.73	9.72	16.45	46.00	-29.55	AVG
10.0299	17.08	9.93	27.01	60.00	-32.99	QP
10.0299	7.23	9.93	17.16	50.00	-32.84	AVG
15.7220	23.22	10.10	33.32	60.00	-26.68	QP
15.7220	14.73	10.10	24.83	50.00	-25.17	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

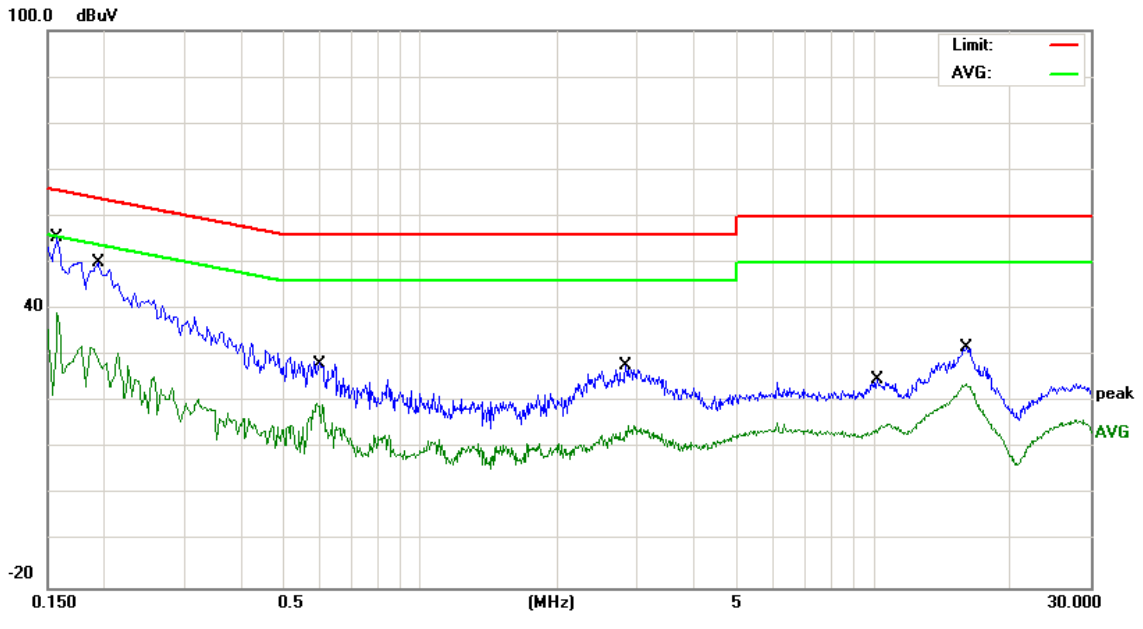
EUT：	A6	Model Name ：	A6
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 48V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1580	45.93	9.65	55.58	65.56	-9.98	QP
0.1580	29.59	9.65	39.24	55.56	-16.32	AVG
0.1940	40.40	9.63	50.03	63.86	-13.83	QP
0.1940	21.92	9.63	31.55	53.86	-22.31	AVG
0.5899	19.08	9.67	28.75	56.00	-27.25	QP
0.5899	10.00	9.67	19.67	46.00	-26.33	AVG
2.8340	18.04	9.69	27.73	56.00	-28.27	QP
2.8340	5.21	9.69	14.90	46.00	-31.10	AVG
10.1739	14.87	9.90	24.77	60.00	-35.23	QP
10.1739	4.93	9.90	14.83	50.00	-35.17	AVG
16.0300	21.80	10.07	31.87	60.00	-28.13	QP
16.0300	14.03	10.07	24.10	50.00	-25.90	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



Note: The test report records only the worst-case test values.

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 APPLICABLE STANDARD

According to FCC Part 15.407(b) and 15.209

3.2.2 CONFORMANCE LIMIT

According to FCC Part 15.407(b)(7): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	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			

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	24000/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. For Frequency 9kHz~30MHz:

Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

For Frequency above 30MHz:

Distance extrapolation factor =20log(Specific distance/ test distance)(dB);

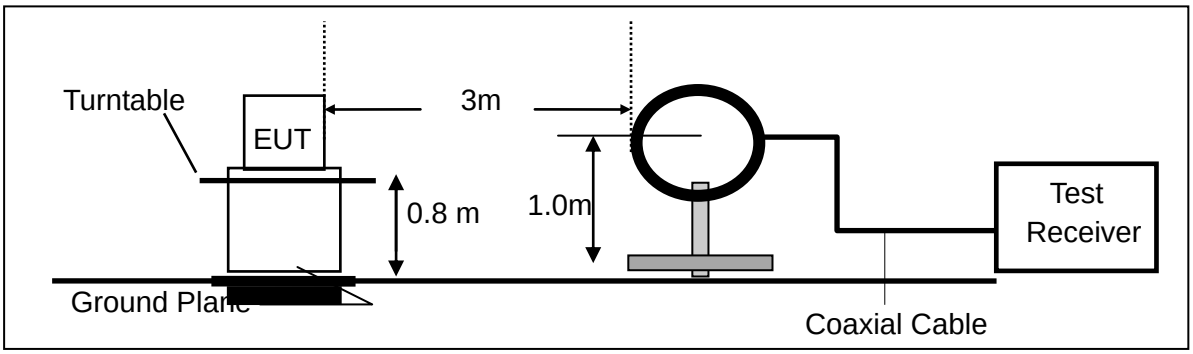
Limit line=Specific limits(dBuV) + distance extrapolation factor.

3.2.3 MEASURING INSTRUMENTS

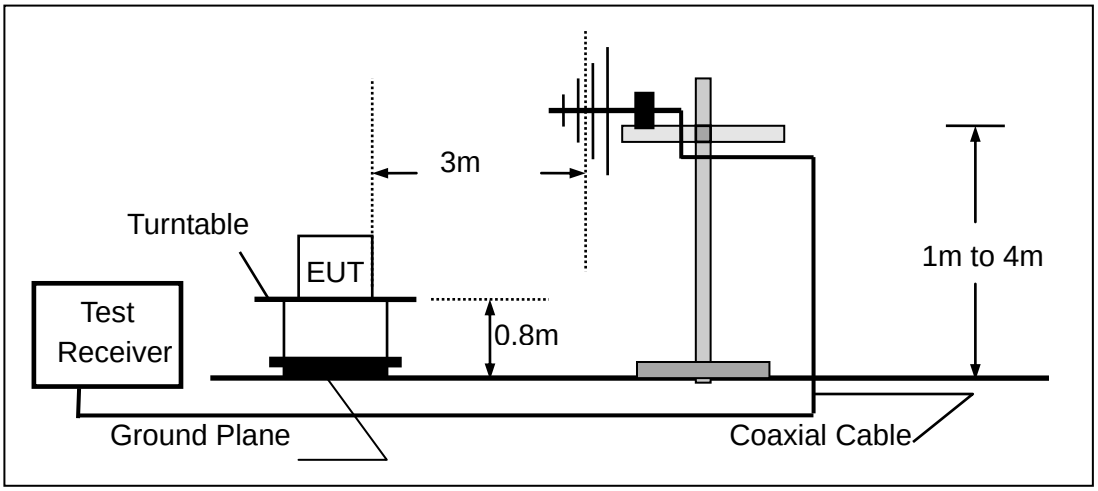
The Measuring equipment is listed in the section 6.3 of this test report.

3.2.4 TEST CONFIGURATION

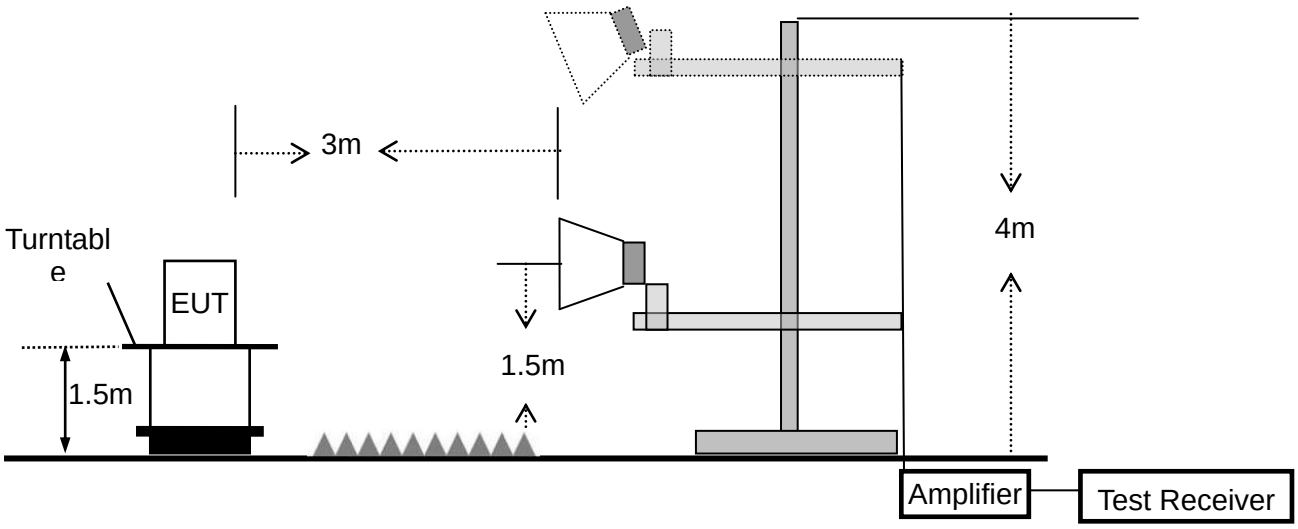
(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz



(c) For radiated emissions above 1000MHz



3.2.5 TEST PROCEDURE

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 1MHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	1 MHz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

3.2.6 TEST RESULTS (9KHZ – 30 MHZ)

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	TX	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	N/A
--	--	--	--	N/A

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

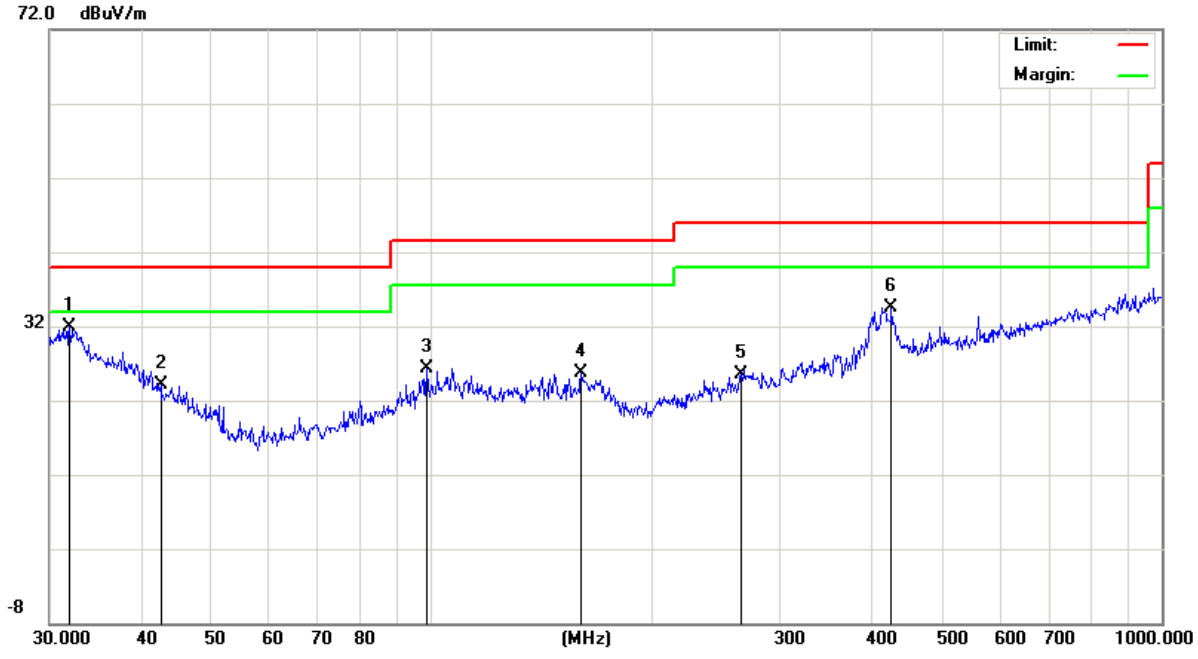
3.2.7 TEST RESULTS (30MHZ – 1GHZ)

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2 (5.2G 802.11ax20 Mid CH)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	31.9546	6.84	24.98	31.82	40.00	-8.18	QP
V	42.6000	4.86	19.15	24.01	40.00	-15.99	QP
V	98.4866	8.90	17.47	26.37	43.50	-17.13	QP
V	160.3456	7.61	18.17	25.78	43.50	-17.72	QP
V	265.6757	6.12	19.31	25.43	46.00	-20.57	QP
V	426.5210	11.09	23.45	34.54	46.00	-11.46	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

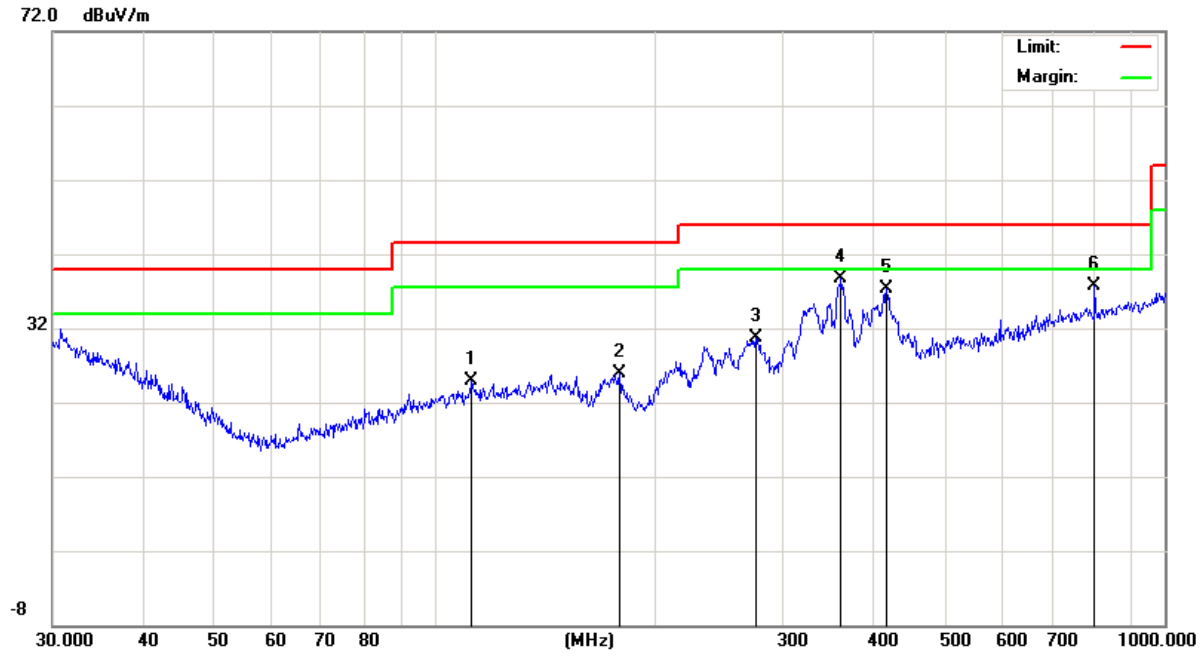


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	112.5244	6.59	18.35	24.94	43.50	-18.56	QP
H	179.3863	9.06	16.76	25.82	43.50	-17.68	QP
H	275.1570	11.56	19.17	30.73	46.00	-15.27	QP
H	360.4476	16.92	21.73	38.65	46.00	-7.35	QP
H	416.1791	14.10	23.15	37.25	46.00	-8.75	QP
H	801.7863	9.41	28.24	37.65	46.00	-8.35	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



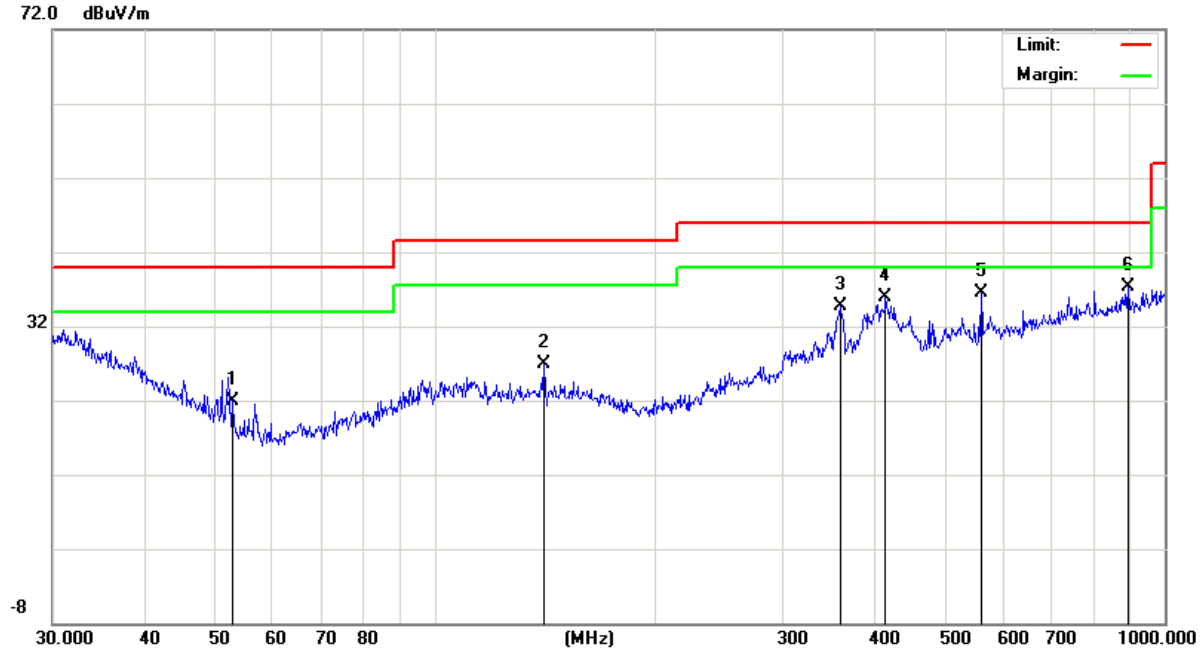
Note: The test report records only the worst-case test values.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2 (5.3G 802.11ax20 Mid CH)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	52.9453	8.50	13.43	21.93	40.00	-18.07	QP
V	141.3298	8.27	18.58	26.85	43.50	-16.65	QP
V	359.1860	12.94	21.72	34.66	46.00	-11.34	QP
V	414.7223	12.79	23.13	35.92	46.00	-10.08	QP
V	560.6928	11.28	25.17	36.45	46.00	-9.55	QP
V	890.7278	7.89	29.32	37.21	46.00	-8.79	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

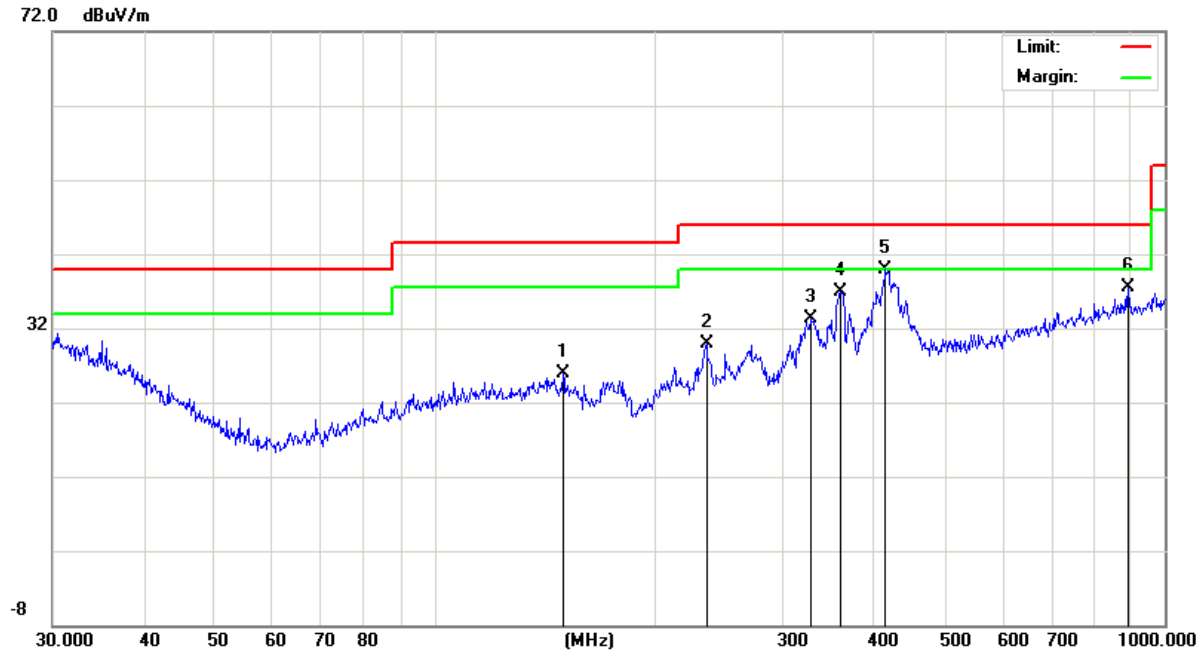


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	150.0107	7.13	18.69	25.82	43.50	-17.68	QP
H	235.8163	12.09	17.79	29.88	46.00	-16.12	QP
H	327.8872	12.86	20.35	33.21	46.00	-12.79	QP
H	359.1859	15.19	21.72	36.91	46.00	-9.09	QP
H	414.7223	16.83	23.13	39.96	46.00	-6.04	QP
H	890.7278	8.18	29.32	37.50	46.00	-8.50	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



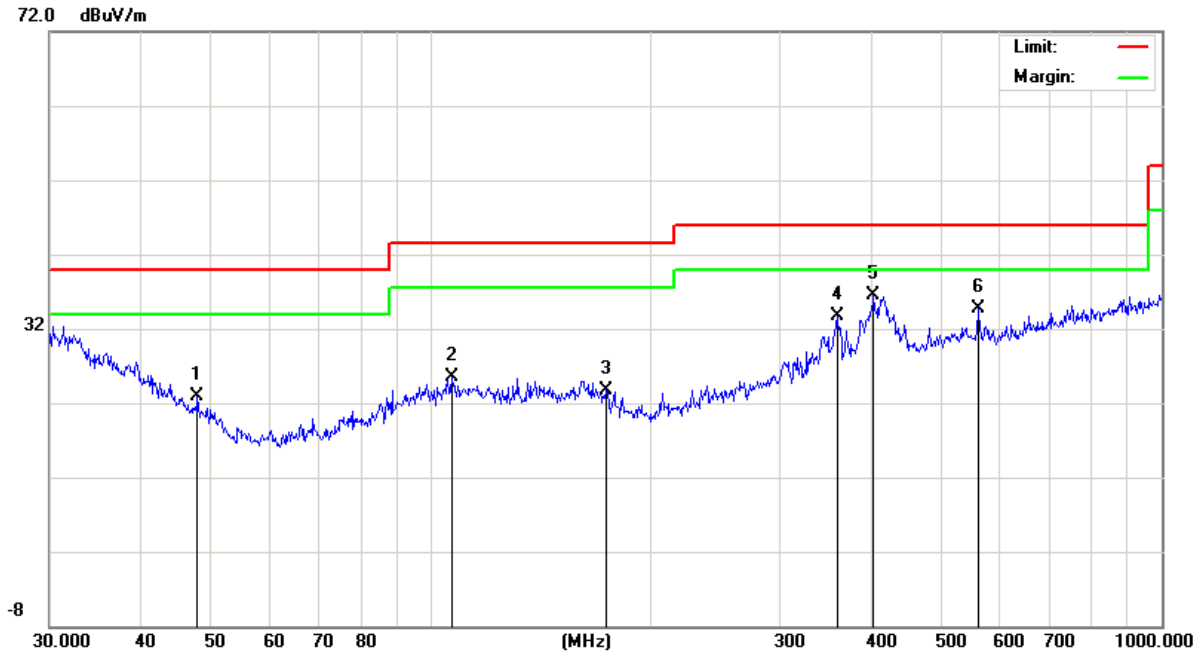
Note: The test report records only the worst-case test values.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2 (5.6G 802.11ax20 Mid CH)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	47.8260	6.53	16.38	22.91	40.00	-17.09	QP
V	106.7587	7.26	18.32	25.58	43.50	-17.92	QP
V	173.2051	6.80	16.96	23.76	43.50	-19.74	QP
V	359.1860	12.05	21.72	33.77	46.00	-12.23	QP
V	403.2500	13.65	22.81	36.46	46.00	-9.54	QP
V	560.6928	9.50	25.17	34.67	46.00	-11.33	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

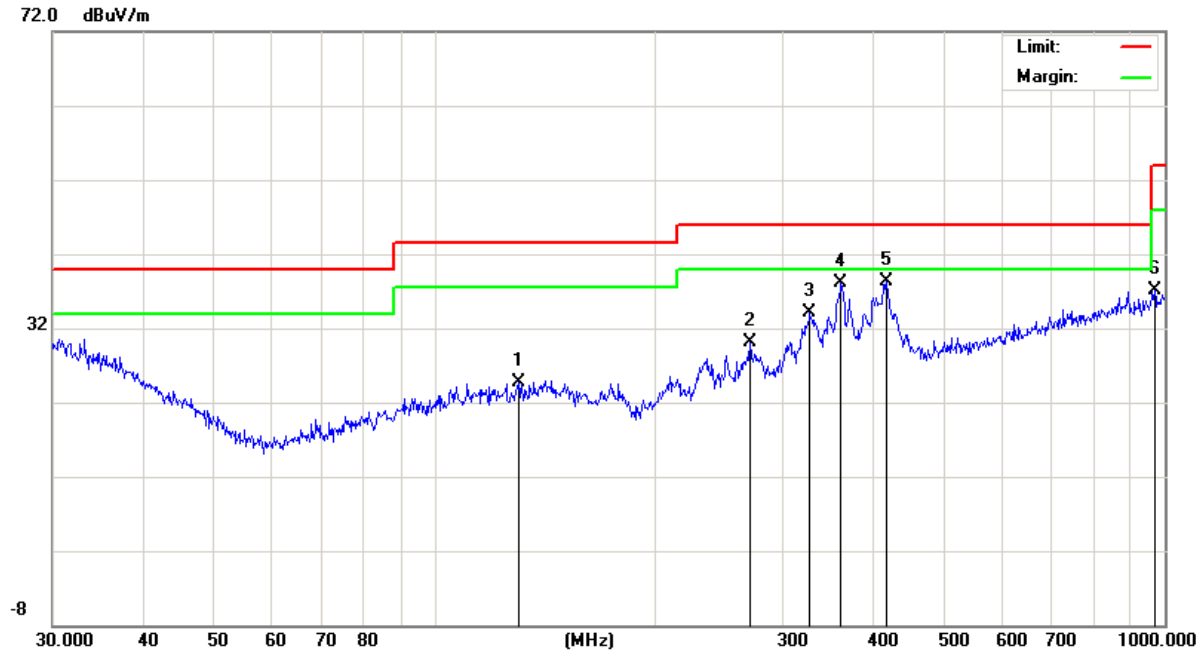


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	130.3789	5.75	18.93	24.68	43.50	-18.82	QP
H	270.3748	11.04	19.06	30.10	46.00	-15.90	QP
H	326.7395	13.96	20.23	34.19	46.00	-11.81	QP
H	360.4476	16.38	21.73	38.11	46.00	-7.89	QP
H	416.1791	15.18	23.15	38.33	46.00	-7.67	QP
H	968.9338	7.12	29.95	37.07	54.00	-16.93	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



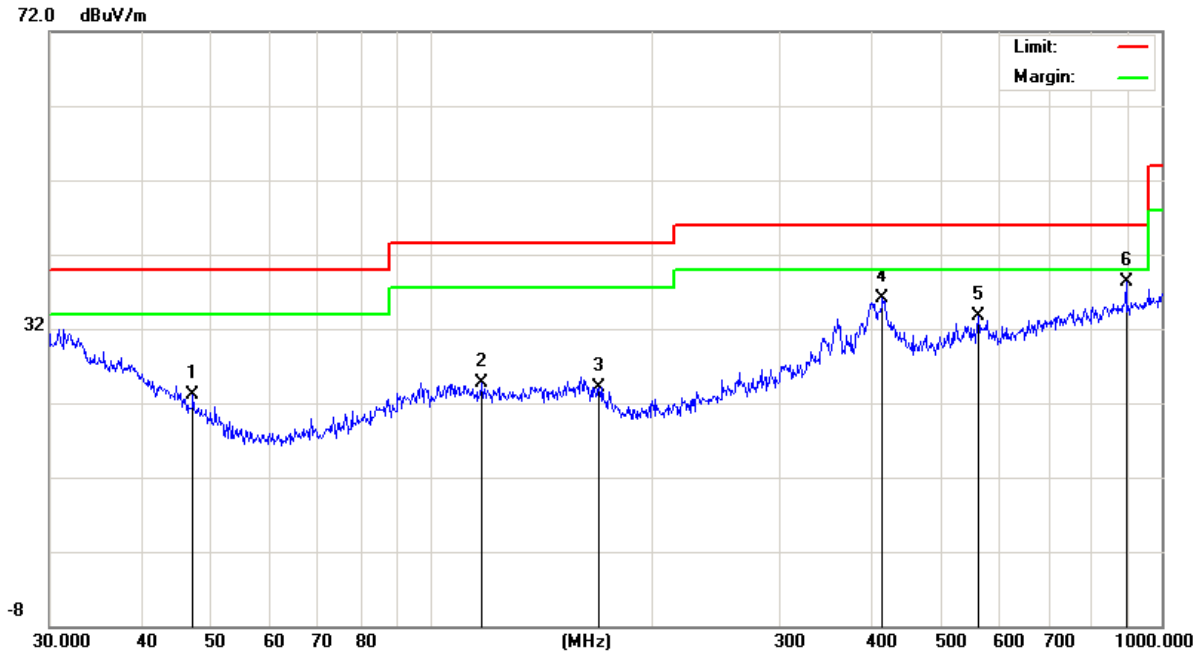
Note: The test report records only the worst-case test values.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2 (5.8G 802.11ax20 Mid CH)		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	47.1599	6.37	16.65	23.02	40.00	-16.98	QP
V	117.3603	5.98	18.63	24.61	43.50	-18.89	QP
V	169.5990	6.81	17.35	24.16	43.50	-19.34	QP
V	414.7223	12.97	23.13	36.10	46.00	-9.90	QP
V	560.6928	8.48	25.17	33.65	46.00	-12.35	QP
V	893.8567	9.01	29.32	38.33	46.00	-7.67	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

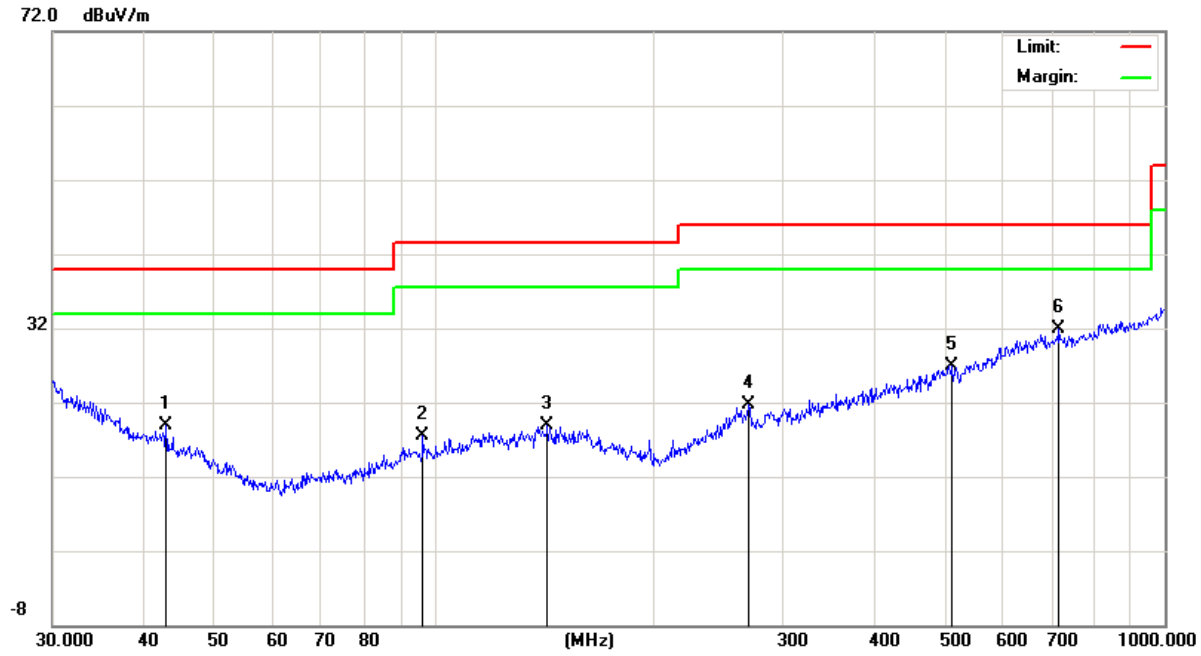


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	42.8997	7.41	11.53	18.94	40.00	-21.06	QP
H	96.4361	7.05	10.49	17.54	43.50	-25.96	QP
H	142.8243	6.10	12.78	18.88	43.50	-24.62	QP
H	269.4284	6.32	15.33	21.65	46.00	-24.35	QP
H	511.8351	6.19	20.80	26.99	46.00	-19.01	QP
H	716.6820	8.15	23.84	31.99	46.00	-14.01	QP

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



Note: The test report records only the worst-case test values.

3.2.8 TEST RESULTS (1GHZ-18GHZ)

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G									
Vertical	3015	54.04	5.94	35.4	44	51.38	68.2	-16.82	Pk
Vertical	10360	52.44	8.46	39.75	44.5	56.15	68.2	-12.05	Pk
Vertical	15540	56.22	10.12	38.8	44.1	61.04	74	-12.96	Pk
Vertical	15540	39.06	10.12	38.8	42.7	45.28	54	-8.72	AV
Horizontal	2981	55.16	5.94	35.18	44	52.28	68.2	-15.92	Pk
Horizontal	10360	50.61	8.46	38.71	44.5	53.28	68.2	-14.92	Pk
Horizontal	15540	54.20	10.12	38.38	44.1	58.60	74	-15.40	Pk
Horizontal	15540	39.92	10.12	38.38	44.1	44.32	54	-9.68	AV
middle Channel (5200 MHz)-Above 1G									
Vertical	3561	54.46	6.48	36.35	44.05	53.24	68.2	-14.96	Pk
Vertical	10400	55.21	8.47	37.88	44.51	57.05	68.2	-11.15	Pk
Vertical	15600	53.65	10.12	38.8	44.1	58.47	74	-15.53	Pk
Vertical	15600	34.75	10.12	38.8	42.7	40.97	54	-13.03	AV
Horizontal	3363	52.92	6.48	36.37	44.05	51.72	68.2	-16.48	Pk
Horizontal	10400	50.35	8.47	38.64	44.5	52.96	68.2	-15.24	Pk
Horizontal	15600	56.18	10.12	38.38	44.1	60.58	74	-13.42	Pk
Horizontal	15600	38.99	10.12	38.38	44.1	43.39	54	-10.61	AV

High Channel (5240 MHz)-Above 1G									
Vertical	3926	59.49	7.1	37.24	43.5	60.33	74	-13.67	Pk
Vertical	3926	41.48	7.1	37.24	43.5	42.32	54	-11.68	AV
Vertical	10480	52.50	8.46	37.68	44.5	54.14	68.2	-14.06	Pk
Vertical	15720	59.00	10.12	38.8	44.1	63.82	74	-10.18	Pk
Vertical	15720	33.97	10.12	38.8	42.7	40.19	54	-13.81	AV
Horizontal	3885	60.80	7.1	37.24	43.5	61.64	74	-12.36	Pk
Horizontal	3885	38.53	7.1	37.24	43.5	39.37	54	-14.63	AV
Horizontal	10480	49.54	8.46	38.57	44.5	52.07	68.2	-16.13	Pk
Horizontal	15720	60.45	10.12	38.38	44.1	64.85	74	-9.15	Pk
Horizontal	15720	37.80	10.12	38.38	44.1	42.20	54	-11.80	AV

Note:"802.11ax20 MIMO" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5260 MHz)-Above 1G									
Vertical	3015	53.13	5.94	35.4	44	50.47	68.2	-17.73	Pk
Vertical	10520	53.18	8.46	39.75	44.5	56.89	68.2	-11.31	Pk
Vertical	15780	57.60	10.12	38.8	44.1	62.42	74	-11.58	Pk
Vertical	15780	39.77	10.12	38.8	42.7	45.99	54	-8.01	AV
Horizontal	2981	56.25	5.94	35.18	44	53.37	68.2	-14.83	Pk
Horizontal	10520	52.76	8.46	38.71	44.5	55.43	68.2	-12.77	Pk
Horizontal	15780	55.94	10.12	38.38	44.1	60.34	74	-13.66	Pk
Horizontal	15780	35.89	10.12	38.38	44.1	40.29	54	-13.71	AV
middle Channel (5280 MHz)-Above 1G									
Vertical	3561	52.81	6.48	36.35	44.05	51.59	68.2	-16.61	Pk
Vertical	10560	52.64	8.47	37.88	44.51	54.48	68.2	-13.72	Pk
Vertical	15840	57.00	10.12	38.8	44.1	61.82	74	-12.18	Pk
Vertical	15840	38.51	10.12	38.8	42.7	44.73	54	-9.27	AV
Horizontal	3363	56.62	6.48	36.37	44.05	55.42	68.2	-12.78	Pk
Horizontal	10560	52.34	8.47	38.64	44.5	54.95	68.2	-13.25	Pk
Horizontal	15840	56.15	10.12	38.38	44.1	60.55	74	-13.45	Pk
Horizontal	15840	39.35	10.12	38.38	44.1	43.75	54	-10.25	AV

High Channel (5320 MHz)-Above 1G									
Vertical	3926	60.80	7.1	37.24	43.5	61.64	74	-12.36	Pk
Vertical	3926	39.88	7.1	37.24	43.5	40.72	54	-13.28	AV
Vertical	10640	59.37	8.46	37.68	44.5	61.01	68.2	-7.19	Pk
Vertical	15960	55.44	10.12	38.8	44.1	60.26	74	-13.74	Pk
Vertical	15960	35.65	10.12	38.8	42.7	41.87	54	-12.13	AV
Horizontal	3885	63.38	7.1	37.24	43.5	64.22	74	-9.78	Pk
Horizontal	3885	41.06	7.1	37.24	43.5	41.90	54	-12.10	AV
Horizontal	10640	50.38	8.46	38.57	44.5	52.91	68.2	-15.29	Pk
Horizontal	15960	57.11	10.12	38.38	44.1	61.51	74	-12.49	Pk
Horizontal	15960	37.96	10.12	38.38	44.1	42.36	54	-11.64	AV

Note:"802.11ax20 MIMO" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G									
Vertical	3015	55.28	5.94	35.4	44	52.62	68.2	-15.58	Pk
Vertical	11000	59.50	8.46	39.75	44.5	63.21	74	-10.79	Pk
Vertical	11000	37.40	8.46	39.75	44.5	41.11	54	-12.89	AV
Vertical	16500	52.94	10.12	38.8	44.1	57.76	68.2	-10.44	Pk
Horizontal	2981	53.73	5.94	35.18	44	50.85	68.2	-17.35	Pk
Horizontal	11000	50.44	8.46	38.71	44.5	53.11	74	-20.89	Pk
Horizontal	11000	38.78	8.46	38.71	44.5	41.45	54	-12.55	AV
Horizontal	16500	47.96	10.12	38.38	44.1	52.36	68.2	-15.84	Pk
middle Channel (5600 MHz)-Above 1G									
Vertical	3561	56.87	6.48	36.35	44.05	55.65	68.2	-12.55	Pk
Vertical	11200	58.44	8.47	37.88	44.51	60.28	74	-13.72	Pk
Vertical	11200	37.08	8.47	37.88	44.51	38.92	54	-15.08	AV
Vertical	16800	49.20	10.12	38.8	44.1	54.02	68.2	-14.18	Pk
Horizontal	3363	53.86	6.48	36.37	44.05	52.66	68.2	-15.54	Pk
Horizontal	11200	56.25	8.47	38.64	44.5	58.86	74	-15.14	Pk
Horizontal	11200	42.24	8.47	38.64	44.5	44.85	54	-9.15	AV
Horizontal	16800	51.18	10.12	38.38	44.1	55.58	68.2	-12.62	Pk

High Channel (5700 MHz)-Above 1G									
Vertical	3926	61.50	7.1	37.24	43.5	62.34	74	-11.66	Pk
Vertical	3926	42.48	7.1	37.24	43.5	43.32	54	-10.68	AV
Vertical	11400	62.39	8.46	37.68	44.5	64.03	74	-9.97	Pk
Vertical	11400	36.76	8.46	37.68	44.5	38.40	54	-15.60	AV
Vertical	17100	49.55	10.12	38.8	44.1	54.37	68.2	-13.83	Pk
Horizontal	3885	60.07	7.1	37.24	43.5	60.91	74	-13.09	Pk
Horizontal	3885	39.53	7.1	37.24	43.5	40.37	54	-13.63	AV
Horizontal	11400	52.96	8.46	38.57	44.5	55.49	74	-18.51	Pk
Horizontal	11400	37.51	8.46	38.57	44.5	40.04	54	-13.96	AV
Horizontal	17100	53.93	10.12	38.38	44.1	58.33	68.2	-9.87	Pk

Note:"802.11ax20 MIMO" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G									
Vertical	2806	63.15	5.94	35.40	44.00	60.49	74.00	-13.51	Pk
Vertical	2806	42.14	5.94	35.40	44.00	39.48	54.00	-14.52	AV
Vertical	11490	61.10	8.46	39.75	44.50	64.81	74.00	-9.19	Pk
Vertical	11490	41.54	8.46	39.75	44.50	45.25	54.00	-8.75	AV
Vertical	17235	49.77	10.12	38.80	44.10	54.59	68.20	-13.61	Pk
Horizontal	2911	58.86	5.94	35.18	44.00	55.98	68.20	-12.22	Pk
Horizontal	11490	60.02	8.46	38.71	44.50	62.69	74.00	-11.31	Pk
Horizontal	11490	35.93	8.46	38.71	44.50	38.60	54.00	-15.40	AV
Horizontal	17235	52.87	10.12	38.38	44.10	57.27	68.20	-10.93	Pk
middle Channel (5785 MHz)-Above 1G									
Vertical	3763	59.21	6.48	36.35	44.05	57.99	74.00	-16.01	Pk
Vertical	3763	40.86	6.48	36.35	44.05	39.64	54.00	-14.36	AV
Vertical	11570	63.39	8.47	37.88	44.51	65.23	74.00	-8.77	Pk
Vertical	11570	42.95	8.47	37.88	44.51	44.79	54.00	-9.21	AV
Vertical	17355	53.28	10.12	38.8	44.10	58.10	68.20	-10.10	Pk
Horizontal	3561	54.91	6.48	36.37	44.05	53.71	68.20	-14.49	Pk
Horizontal	11570	57.30	8.47	38.64	44.50	59.91	74.00	-14.09	Pk
Horizontal	11570	39.56	8.47	38.64	44.50	42.17	54.00	-11.83	AV
Horizontal	17355	54.32	10.12	38.38	44.10	58.72	68.20	-9.48	Pk

High Channel (5825 MHz)-Above 1G									
Vertical	3907	59.79	7.10	37.24	43.50	60.63	74.00	-13.37	Pk
Vertical	3907	41.39	7.10	37.24	43.50	42.23	54.00	-11.77	AV
Vertical	11650	60.23	8.46	37.68	44.50	61.87	74.00	-12.13	Pk
Vertical	11650	42.65	8.46	37.68	44.50	44.29	54.00	-9.71	AV
Vertical	17475	50.50	10.12	38.8	44.10	55.32	68.20	-12.88	Pk
Horizontal	3912	58.86	7.10	37.24	43.50	59.70	74.00	-14.30	Pk
Horizontal	3912	41.98	7.10	37.24	43.50	42.82	54.00	-11.18	AV
Horizontal	11650	59.01	8.46	38.57	44.50	61.54	74.00	-12.46	Pk
Horizontal	11650	41.09	8.46	38.57	44.50	43.62	54.00	-10.38	AV
Horizontal	17475	51.39	10.12	38.38	44.10	55.79	68.20	-12.41	Pk

Note:"802.11ax20 MIMO" mode is the worst mode.

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

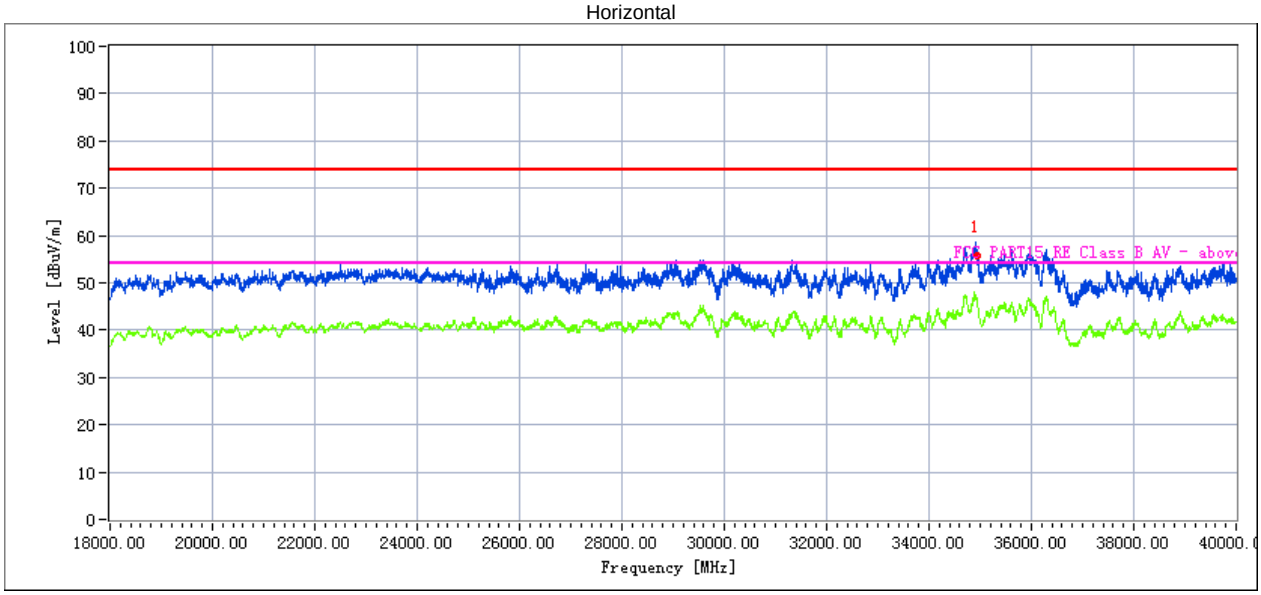
3.2.9 TEST RESULTS (18GHZ-40GHZ)

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

Low Channel (5180 MHz)-Above 1G

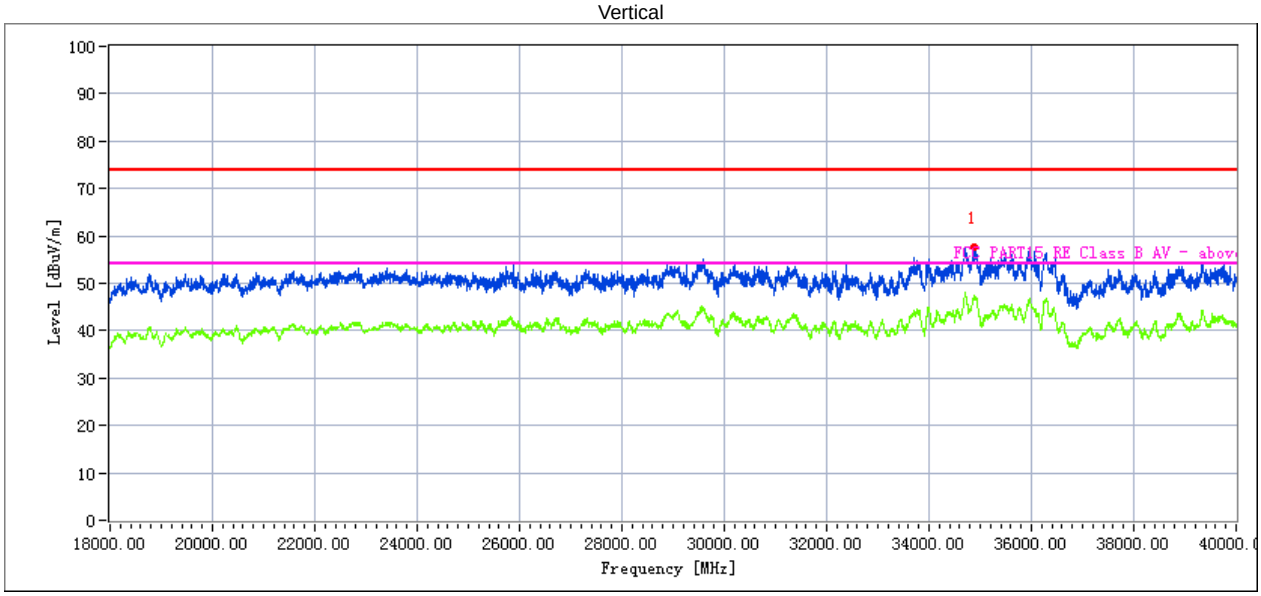
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34933.185	38.04	20.09	44.07	43.48	58.72	68.20	9.48	Peak
34933.412	24.42	20.09	44.04	43.48	45.07	48.20	3.13	AVG

Vertical

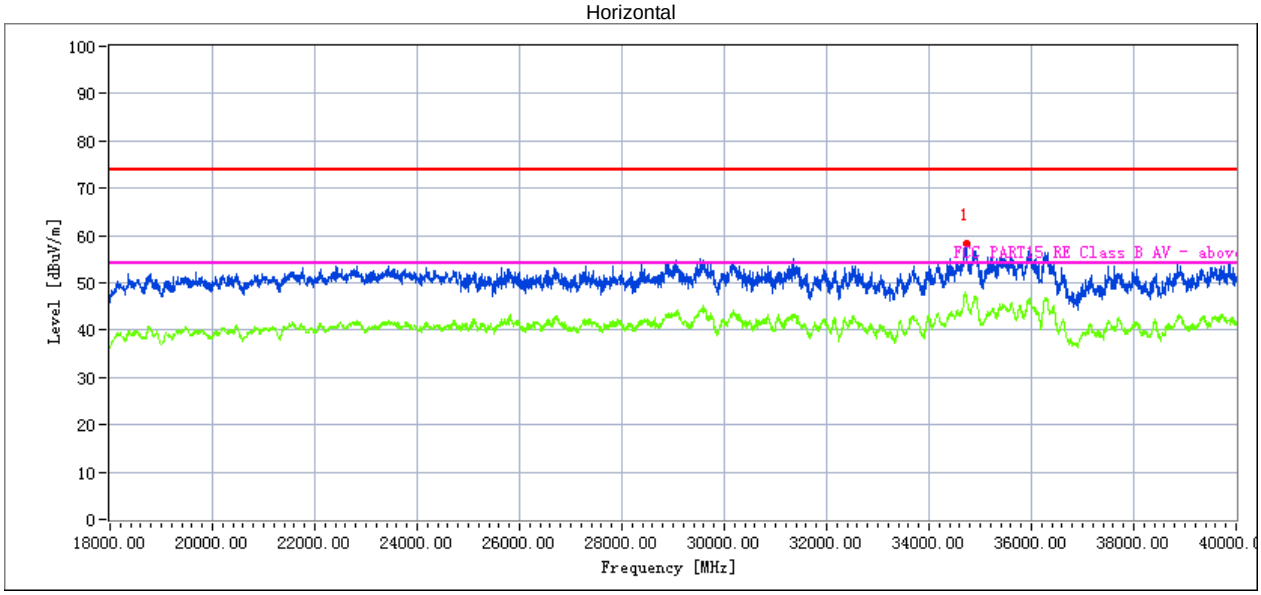


Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34898.035	41.16	19.11	42.73	44.61	58.39	68.20	9.81	Peak
34897.908	27.20	19.11	42.73	44.61	44.43	48.20	3.77	AVG

High Channel (5240 MHz)-Above 1G

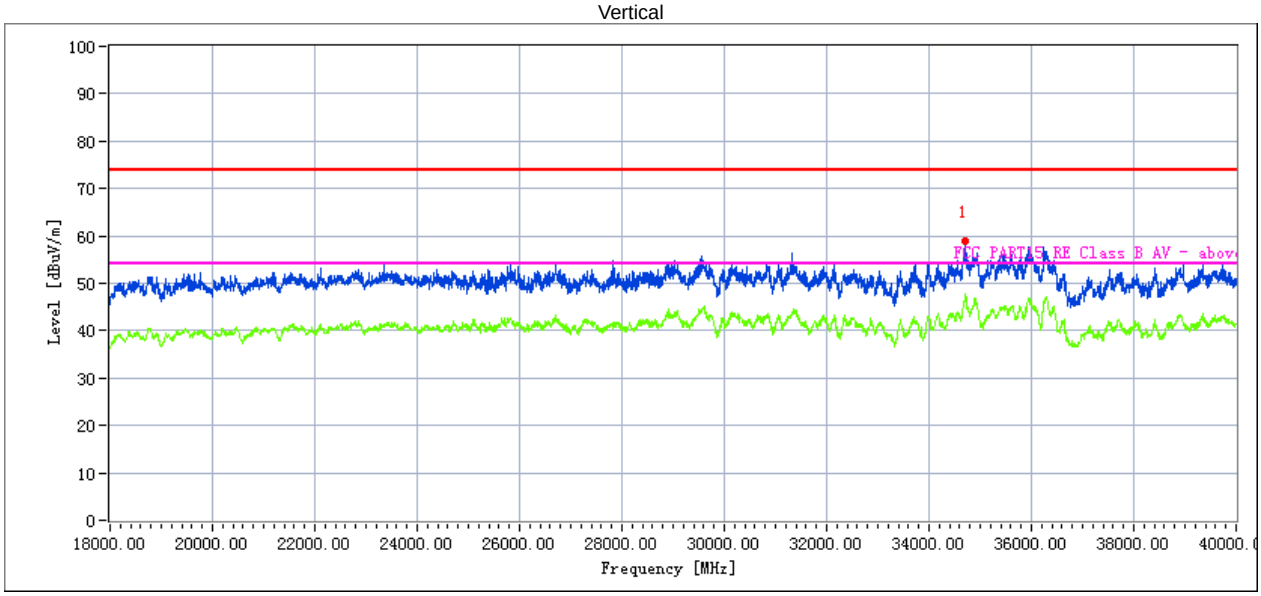
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34723.140	38.30	20.09	44.07	43.48	58.98	68.20	9.22	Peak
34723.416	24.48	20.09	44.04	43.48	45.13	48.20	3.07	AVG

Vertical



Measurement Result:

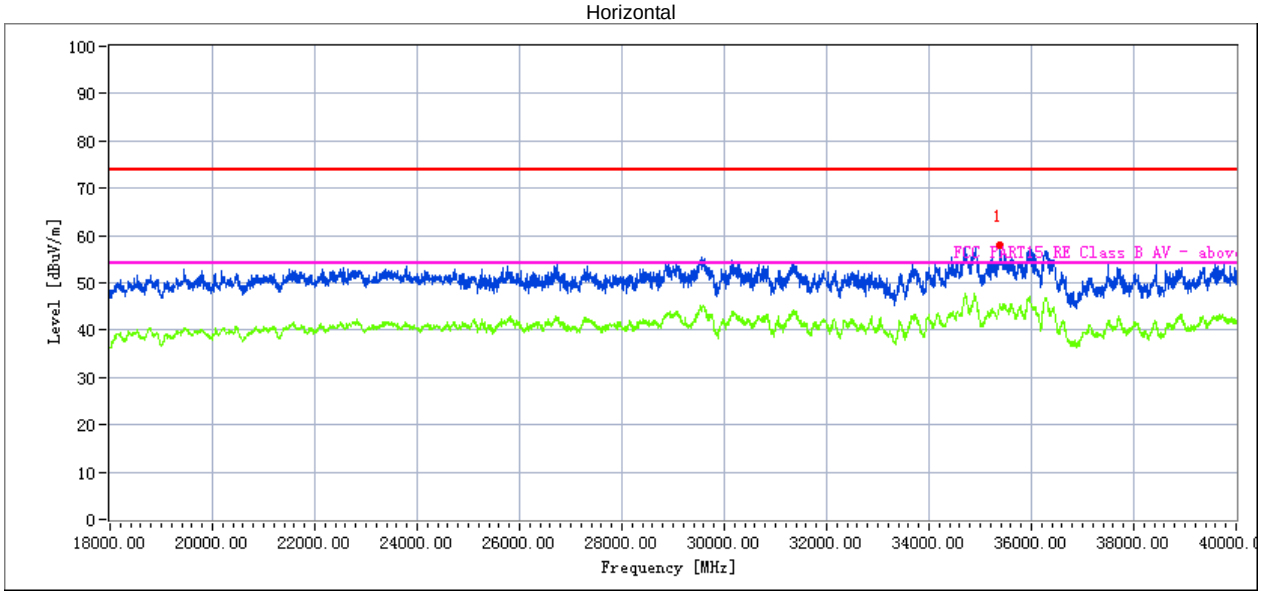
Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34706.964	39.10	20.09	44.07	43.48	59.78	68.20	8.42	Peak
34706.893	23.88	20.09	44.04	43.48	44.53	48.20	3.67	AVG

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

Low Channel (5260 MHz)-Above 1G

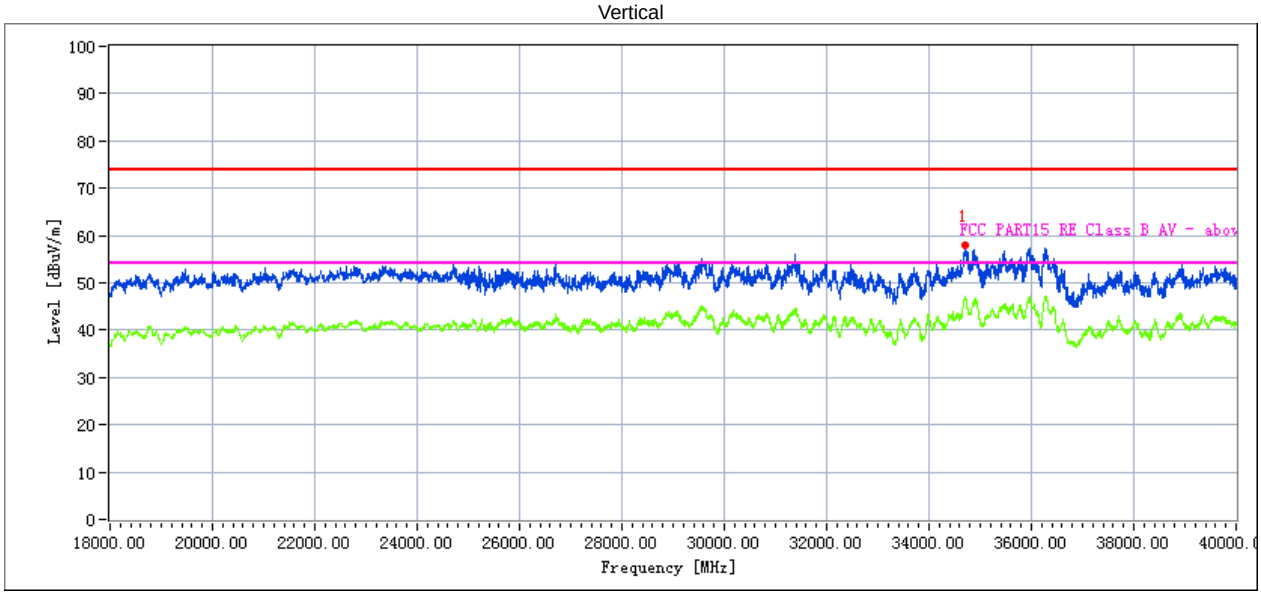
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
35382.191	38.63	20.09	44.16	43.48	59.40	68.20	8.80	Peak
35382.435	23.84	20.09	44.16	43.48	44.61	48.20	3.59	AVG

Vertical

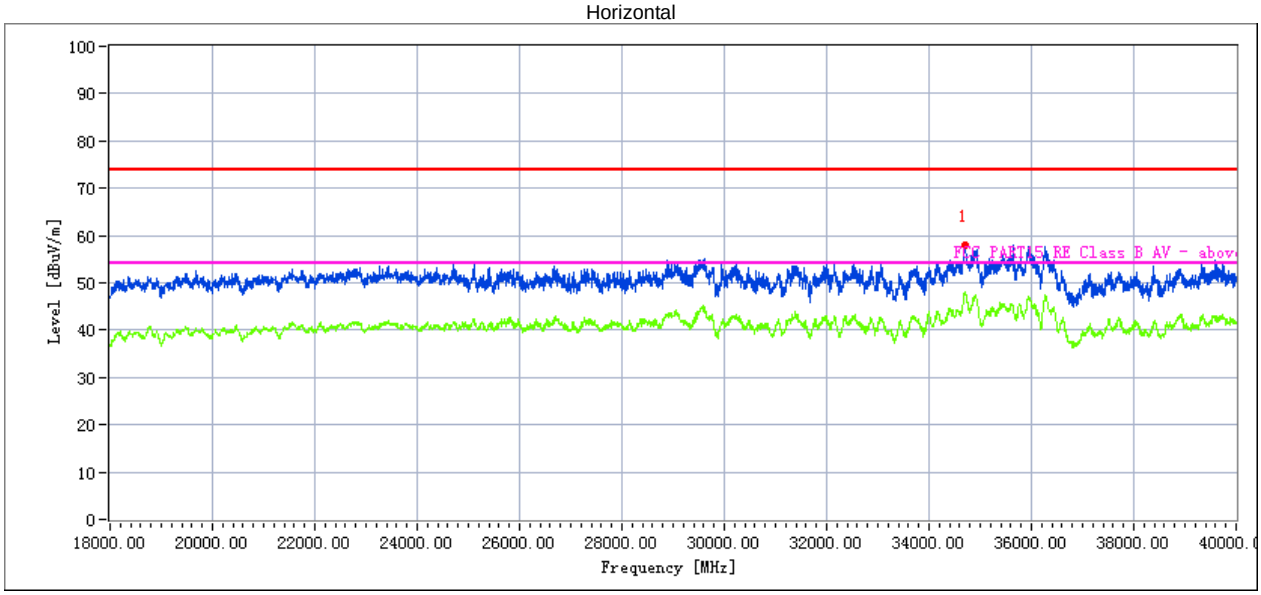


Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34716.748	41.42	19.11	42.63	43.48	59.68	68.20	8.52	Peak
34716.805	27.33	19.12	42.63	43.48	45.60	48.20	2.60	AVG

High Channel (5320 MHz)-Above 1G

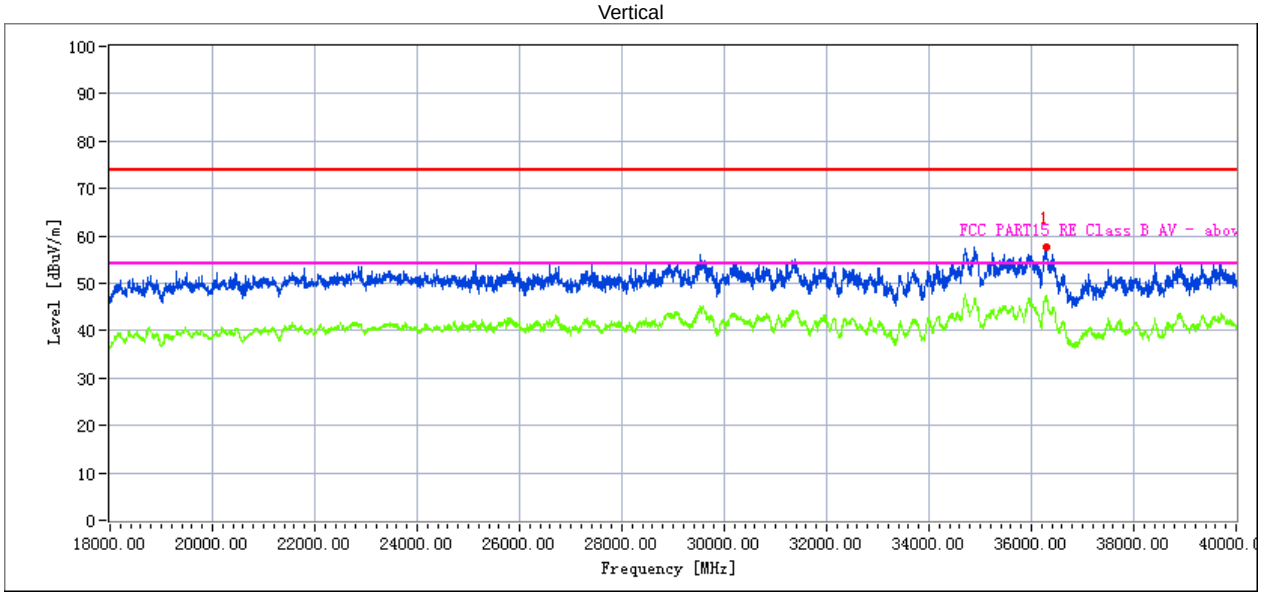
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34702.332	37.72	20.06	44.07	43.21	58.64	68.20	9.56	Peak
34702.533	23.71	20.06	44.07	43.21	44.63	48.20	3.57	AVG

Vertical



Measurement Result:

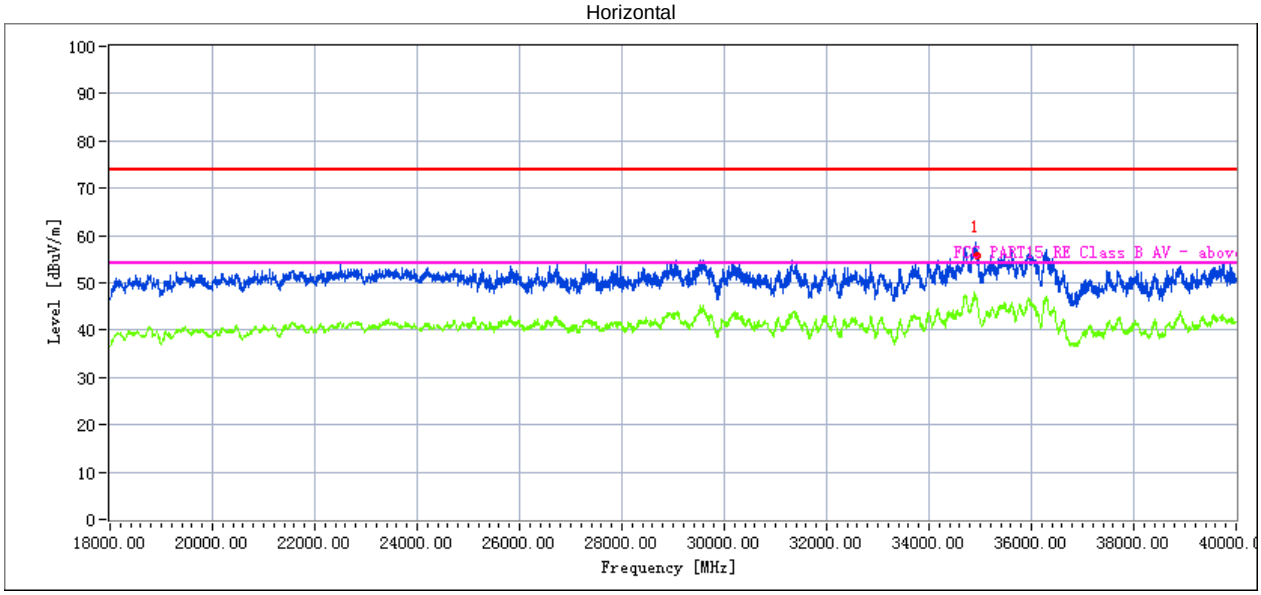
Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
36277.375	38.78	20.10	44.10	43.22	59.76	68.20	8.44	Peak
36277.491	23.90	20.10	44.10	43.22	44.88	48.20	3.32	AVG

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

Low Channel (5500 MHz)-Above 1G

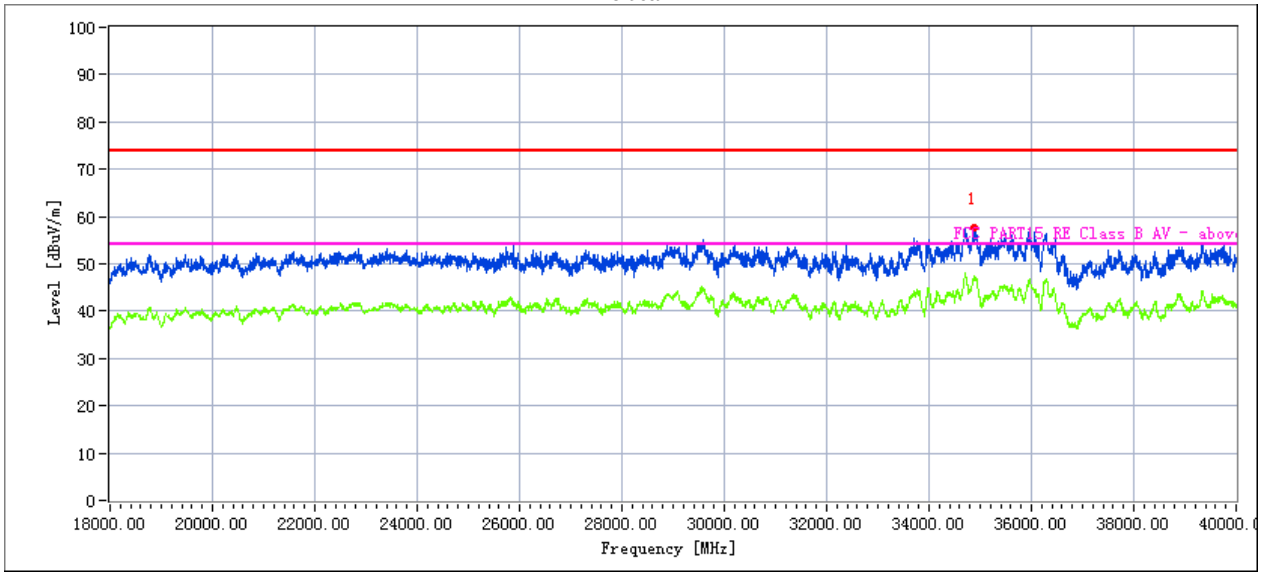
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34933.433	38.20	20.09	44.07	43.48	58.88	68.20	9.32	Peak
34933.514	24.09	20.09	44.04	43.48	44.74	48.20	3.46	AVG

Vertical

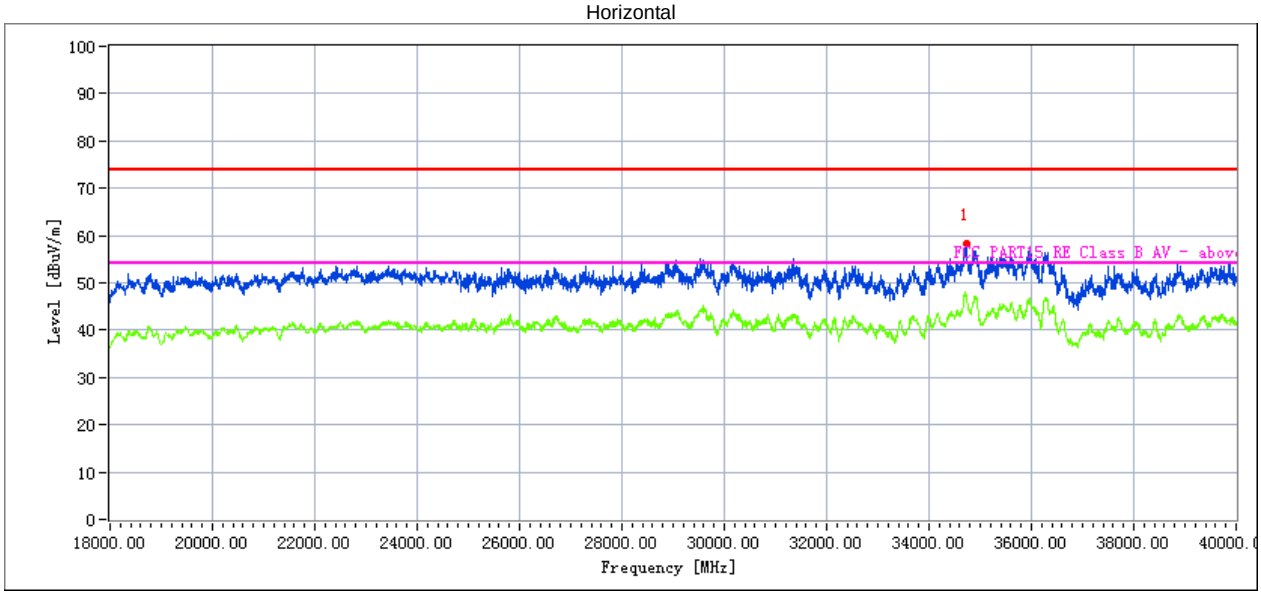


Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34897.825	41.20	19.11	42.73	44.61	58.43	68.20	9.77	Peak
34897.941	27.19	19.11	42.73	44.61	44.42	48.20	3.78	AVG

High Channel (5700 MHz)-Above 1G

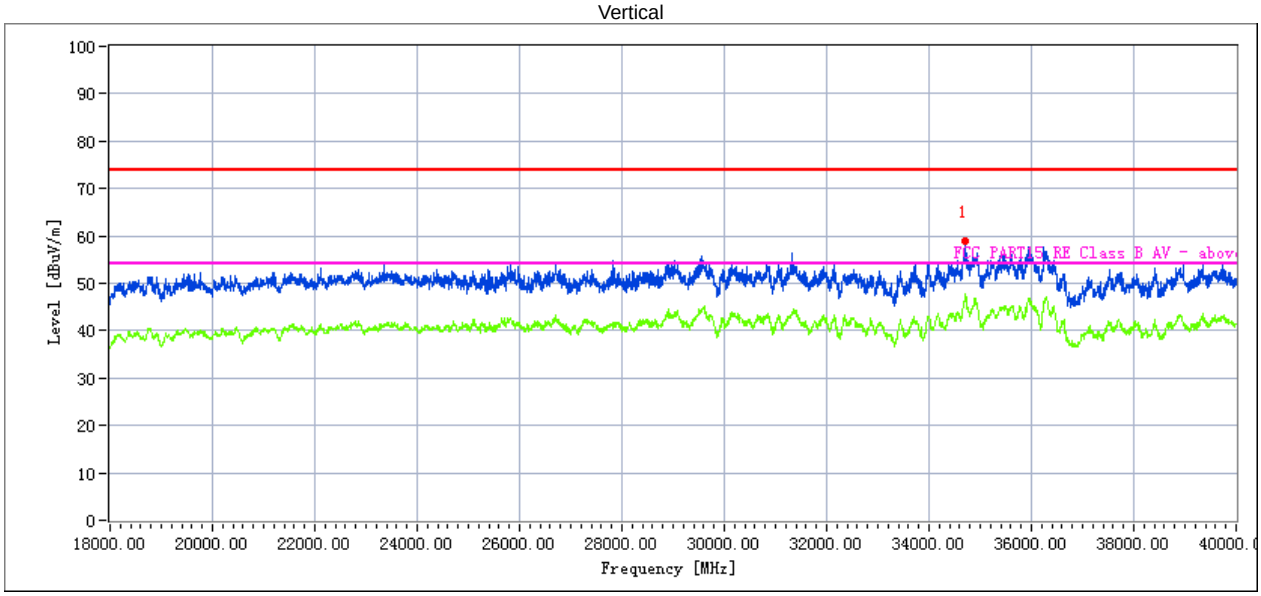
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34723.201	38.58	20.09	44.07	43.48	59.26	68.20	8.94	Peak
34723.414	23.58	20.09	44.04	43.48	44.23	48.20	3.97	AVG

Vertical



Measurement Result:

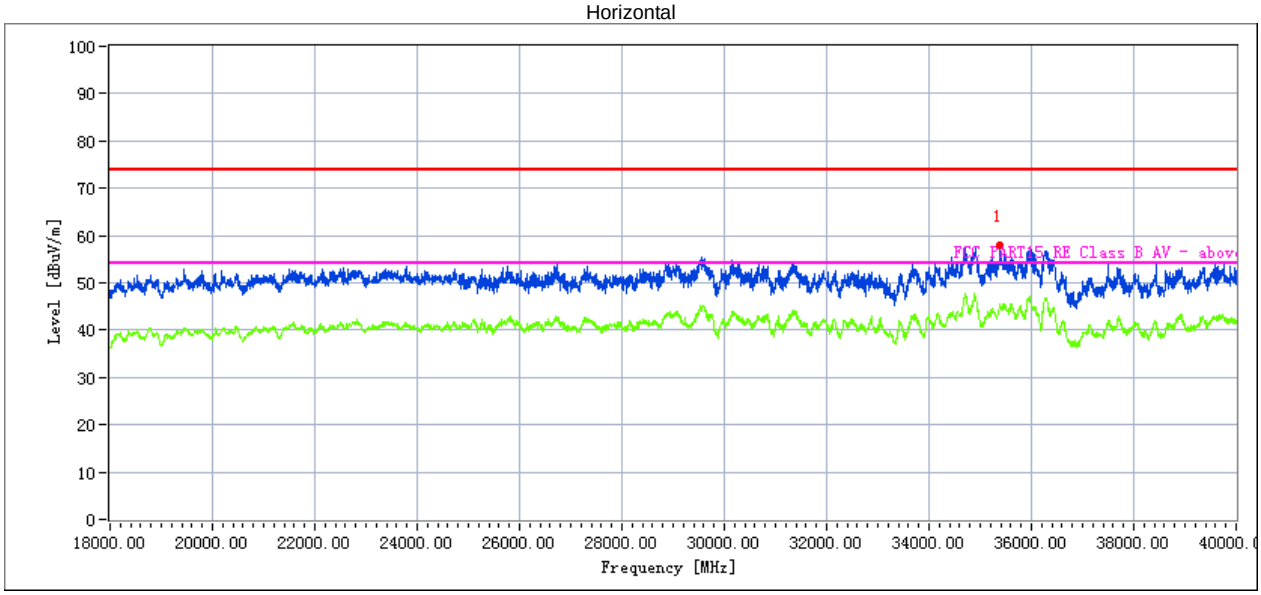
Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34706.948	38.34	20.09	44.07	43.48	59.02	68.20	9.18	Peak
34707.117	23.73	20.09	44.04	43.48	44.38	48.20	3.82	AVG

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

All modes have been tested, just the 802.11ax20 MIMO worst mode has been recorded in the report.

Low Channel (5745 MHz)-Above 1G

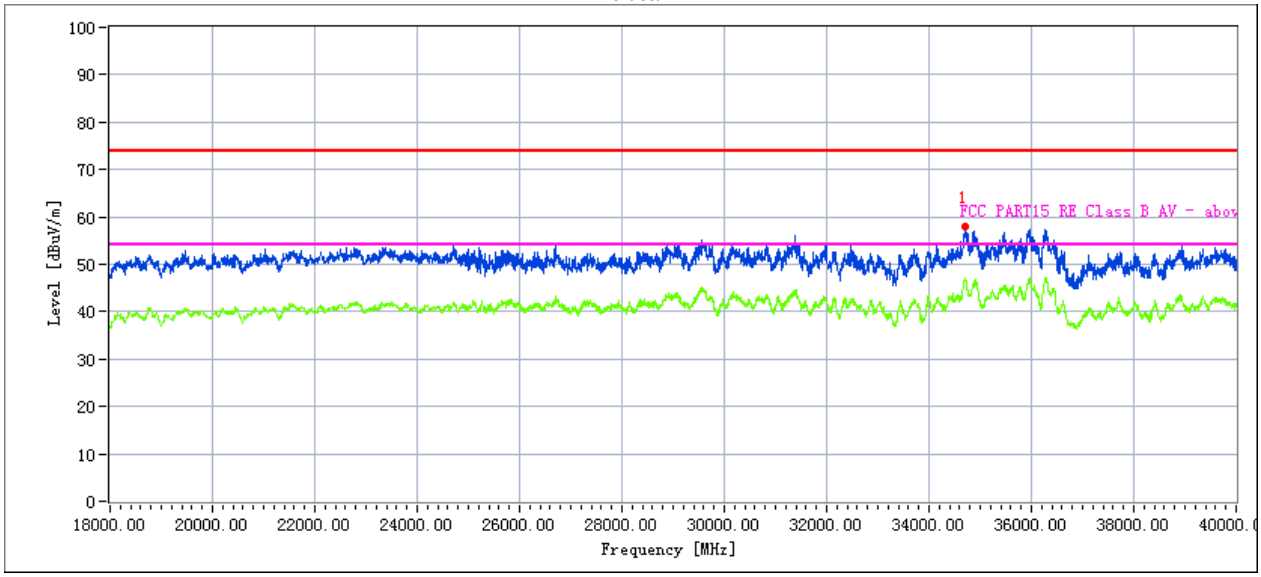
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
35382.495	38.37	20.09	44.16	43.48	59.14	68.20	9.06	Peak
35382.432	23.73	20.09	44.16	43.48	44.50	48.20	3.70	AVG

Vertical

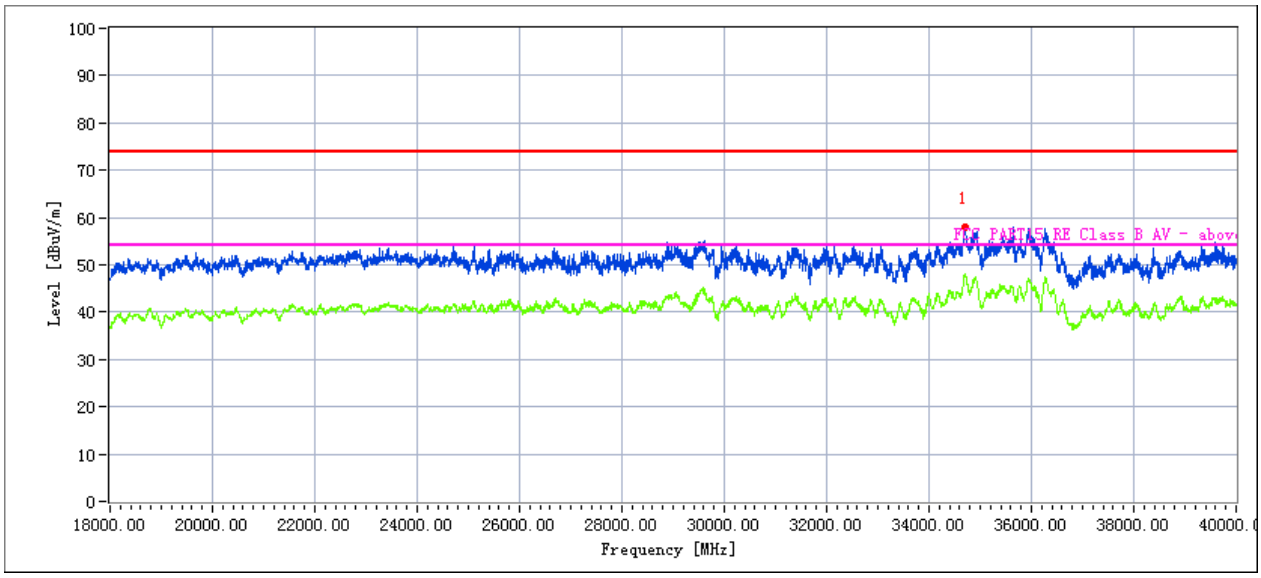


Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34716.822	41.48	19.11	42.63	43.48	59.74	68.20	8.46	Peak
34716.659	26.68	19.12	42.63	43.48	44.95	48.20	3.25	AVG

High Channel (5825 MHz)-Above 1G

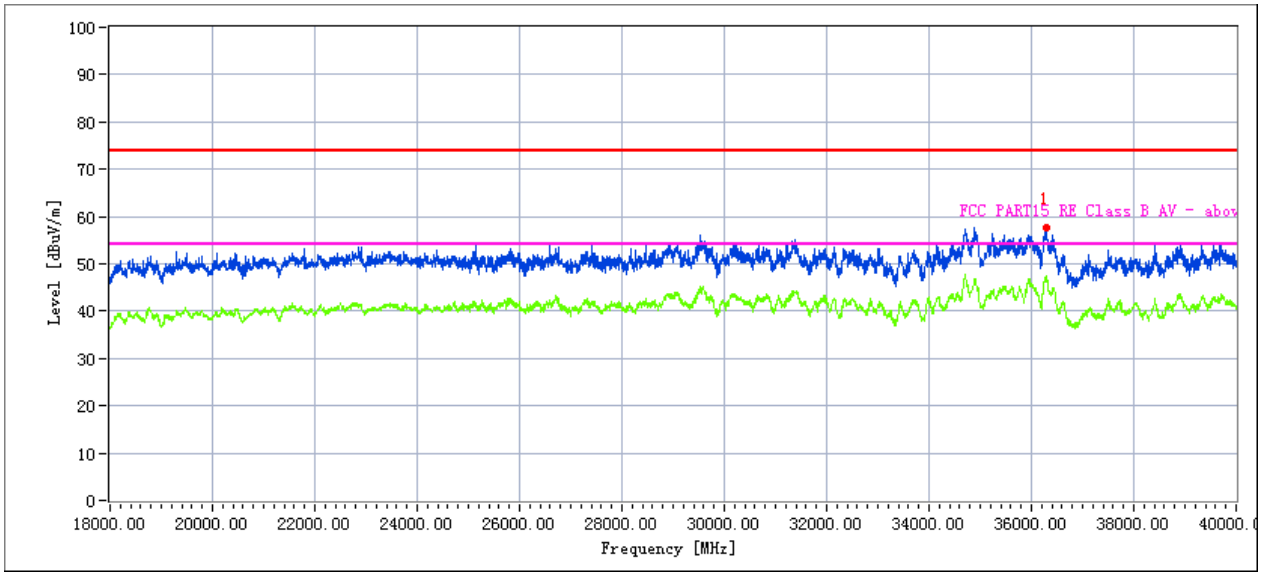
Horizontal



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
34702.533	38.39	20.06	44.07	43.21	59.31	68.20	8.89	Peak
34702.487	23.67	20.06	44.07	43.21	44.59	48.20	3.61	AVG

Vertical



Measurement Result:

Frequency MHz	Meter Reading dBuV	Cable loss dB	Antenna Factor dB/m	Preamp Factor dB	Emission Level dBuV/m	Limits dBuV/m	Margin dB	Detector Type
36277.587	37.94	20.10	44.10	43.22	58.92	68.20	9.28	Peak
36277.333	24.24	20.10	44.10	43.22	45.22	48.20	2.98	AVG

3.2.10 SPURIOUS EMISSION IN RESTRICTED BAND 4.5GHZ~5.150 GHZ& 5.350GHZ~5460GHZ AND BANDEDGE

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5 (5.2G/5.3G/5.6G MIMO Mode)		

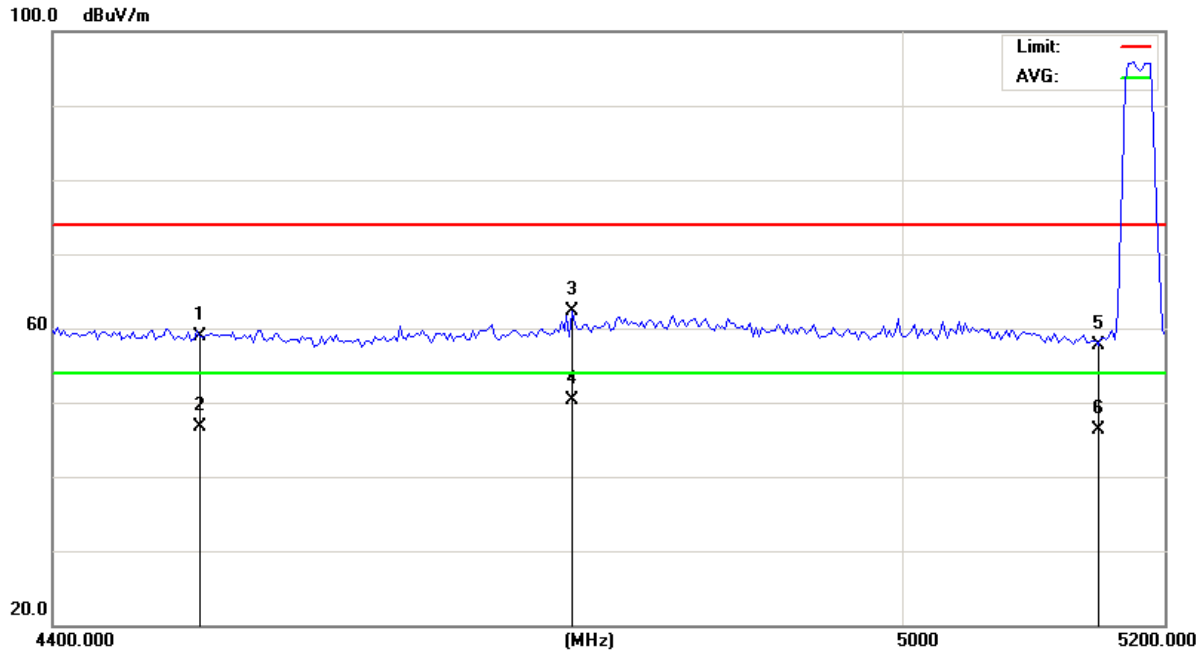
Note: The test report records only the worst-case test values.

802.11ax20 5180MHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	4500.000	40.87	18.11	58.98	74.00	-15.02	peak
V	4500.000	28.54	18.11	46.65	54.00	-7.35	AVG
V	4758.000	43.07	19.20	62.27	74.00	-11.73	peak
V	4758.000	31.13	19.20	50.33	54.00	-3.67	AVG
V	5150.000	39.98	17.74	57.72	74.00	-16.28	peak
V	5150.000	28.51	17.74	46.25	54.00	-7.75	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

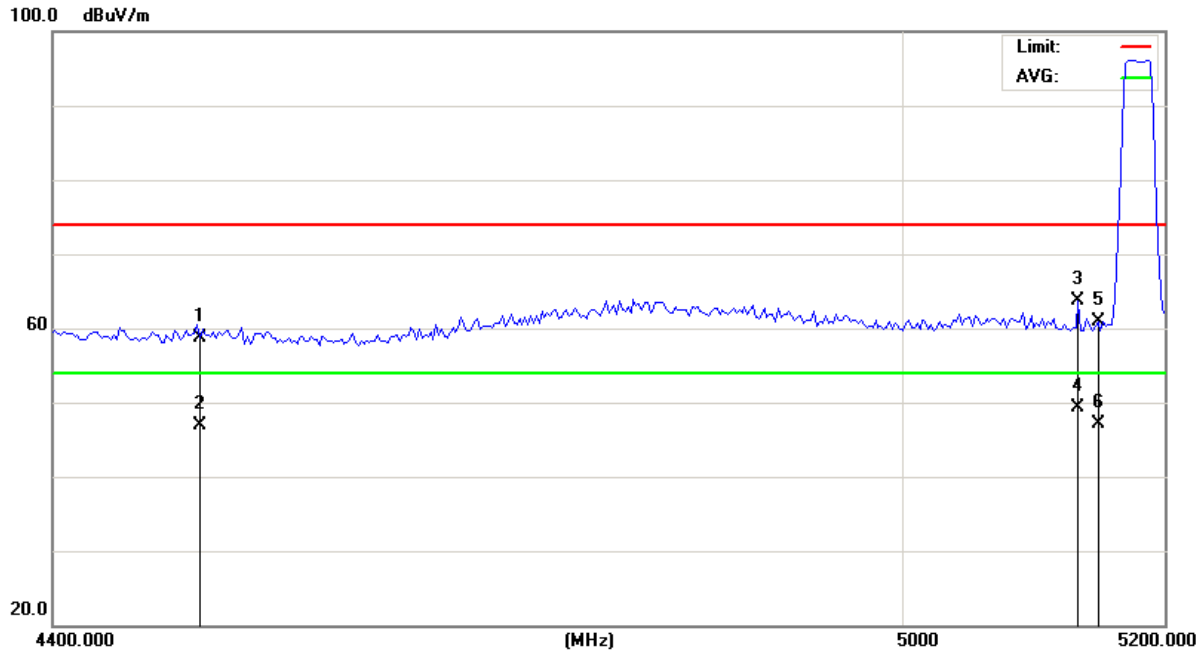


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	4500.000	40.57	18.11	58.68	74.00	-15.32	peak
H	4500.000	28.82	18.11	46.93	54.00	-7.07	AVG
H	5134.000	45.63	18.01	63.64	74.00	-10.36	peak
H	5134.000	31.37	18.01	49.38	54.00	-4.62	AVG
H	5150.000	43.09	17.74	60.83	74.00	-13.17	peak
H	5150.000	29.42	17.74	47.16	54.00	-6.84	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



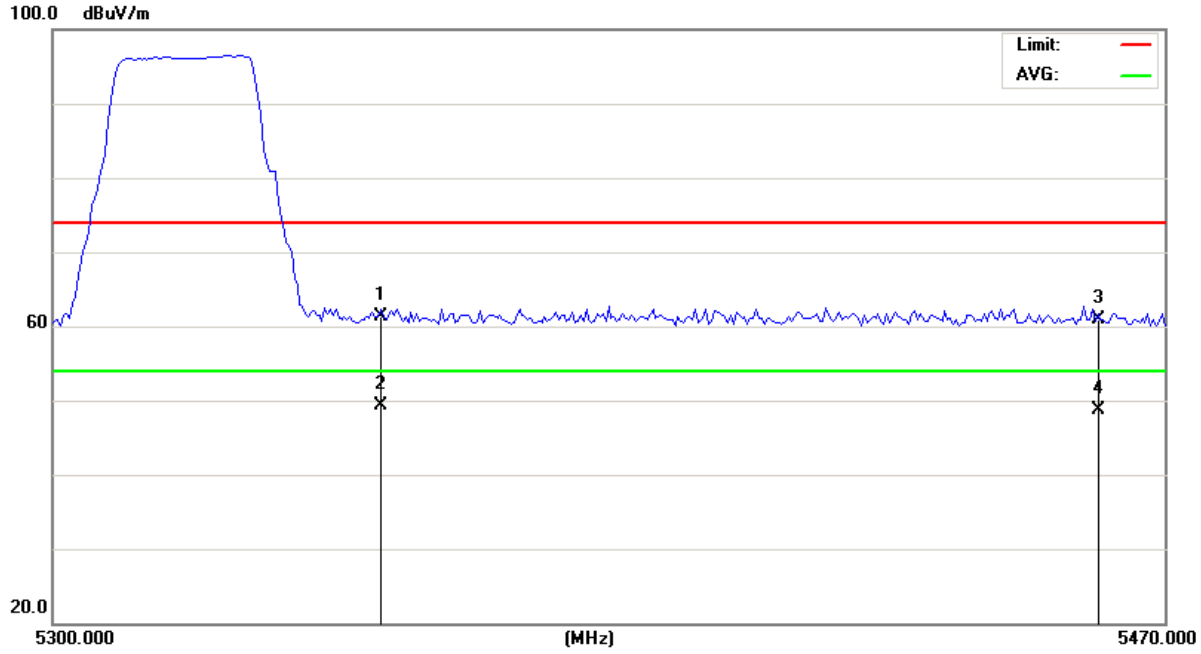
Note: The test report records only the worst-case test values.

802.11ax20 5320MHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	5350.000	42.20	19.11	61.31	74.00	-12.69	peak
V	5350.000	30.28	19.11	49.39	54.00	-4.61	AVG
V	5460.000	41.93	19.02	60.95	74.00	-13.05	peak
V	5460.000	29.72	19.02	48.74	54.00	-5.26	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

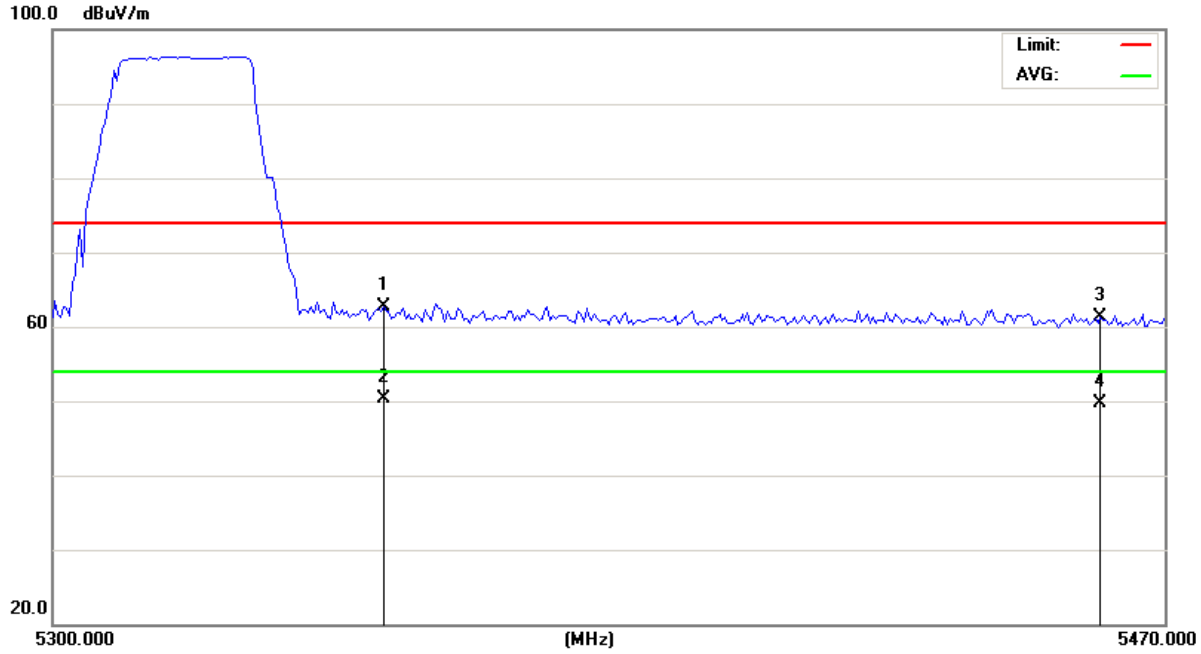


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	43.62	19.11	62.73	74.00	-11.27	peak
H	5350.000	31.20	19.11	50.31	54.00	-3.69	AVG
H	5460.000	42.24	19.02	61.26	74.00	-12.74	peak
H	5460.000	30.60	19.02	49.62	54.00	-4.38	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit



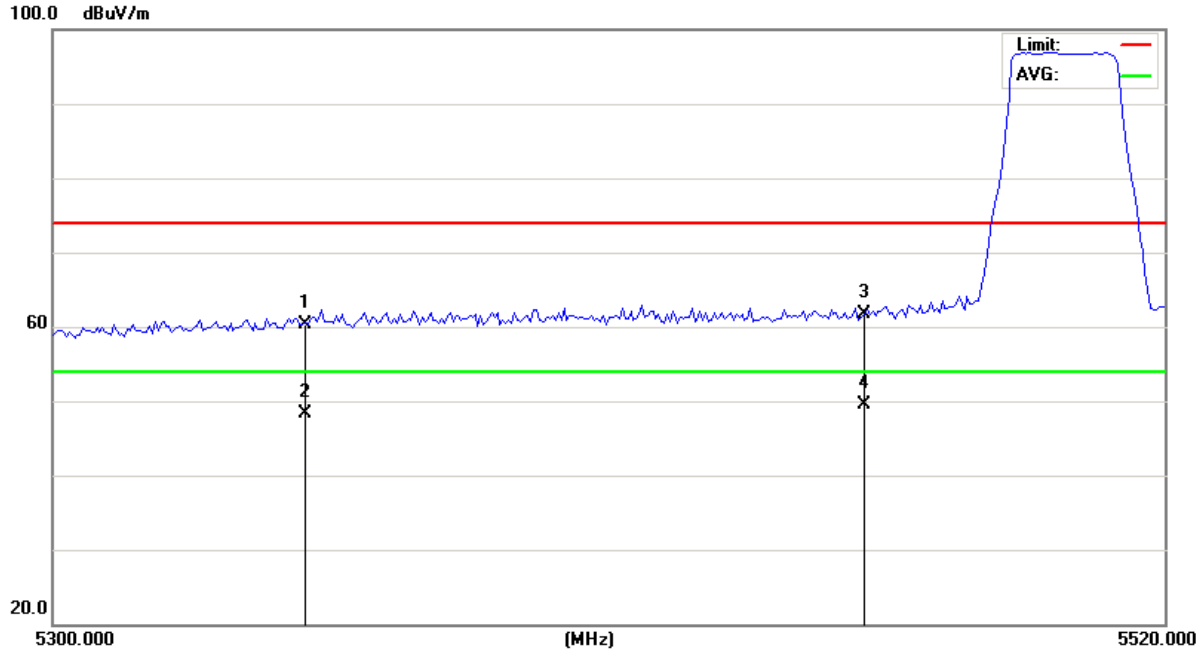
Note: The test report records only the worst-case test values.

802.11ax20 5500MHz

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	5350.000	41.26	19.11	60.37	74.00	-13.63	peak
V	5350.000	29.29	19.11	48.40	54.00	-5.60	AVG
V	5460.000	42.76	19.02	61.78	74.00	-12.22	peak
V	5460.000	30.51	19.02	49.53	54.00	-4.47	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

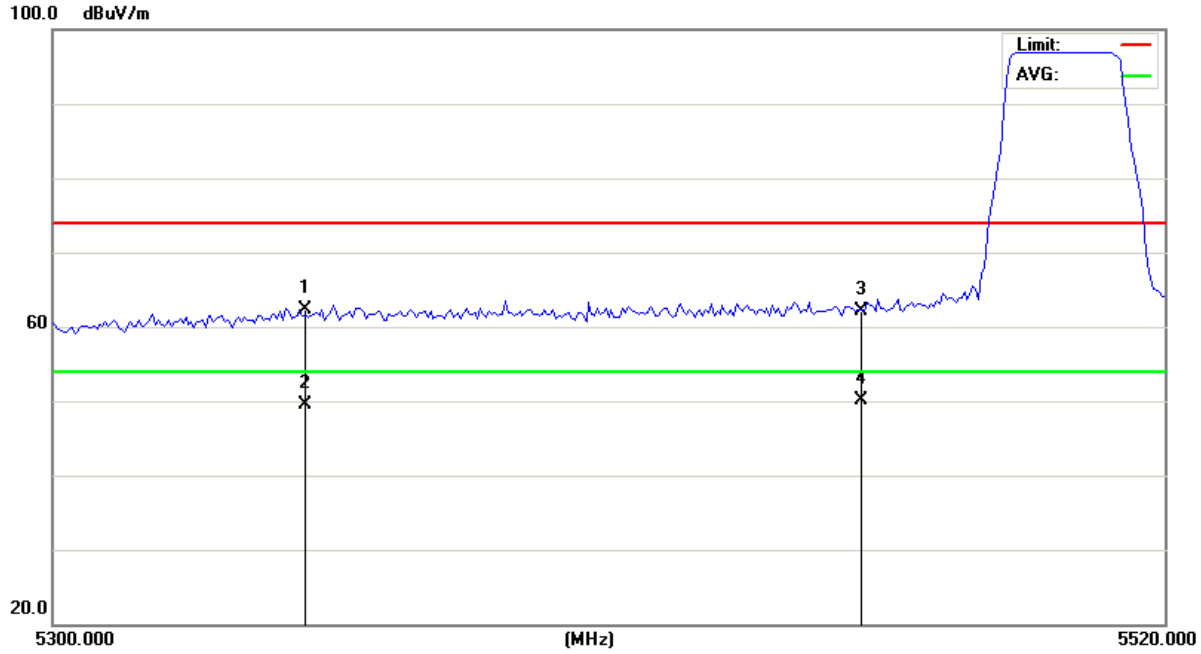


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	43.23	19.11	62.34	74.00	-11.66	peak
H	5350.000	30.48	19.11	49.59	54.00	-4.41	AVG
H	5460.000	43.12	19.02	62.14	74.00	-11.86	peak
H	5460.000	31.14	19.02	50.16	54.00	-3.84	AVG

Remark:

Emission Level = Meter Reading + Factor, Margin= Emission Level - Limit

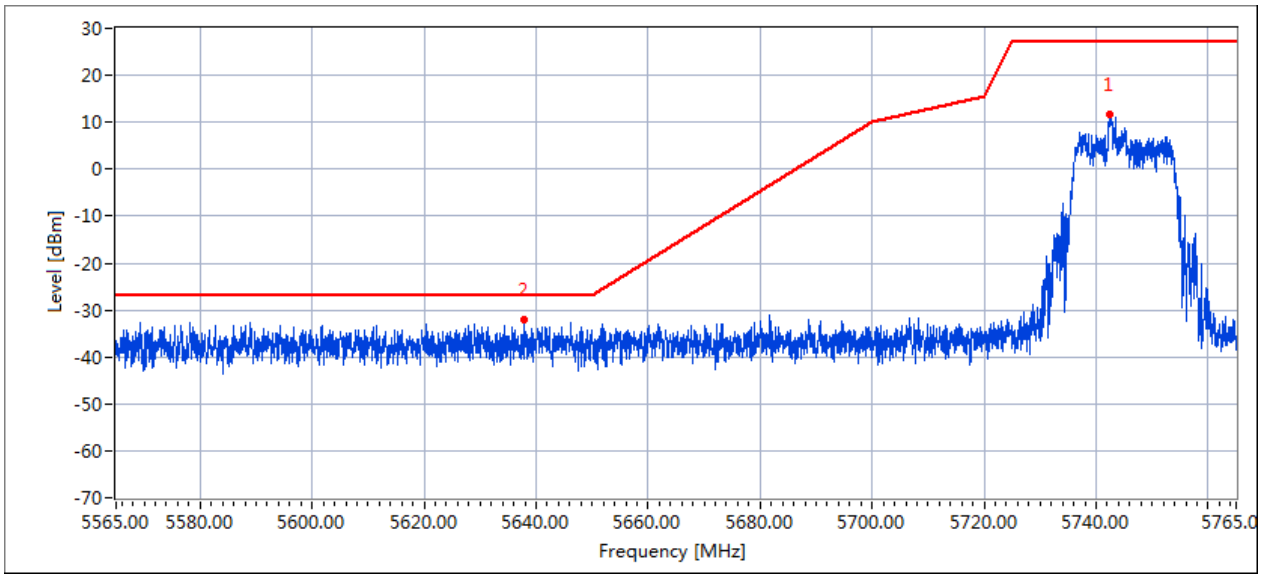


Note: The test report records only the worst-case test values.

EUT：	A6	Model Name. ：	A6
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5 (5.8G MIMO Mode)		

802.11ac20 5745MHz Horizontal

Measurement Plot:

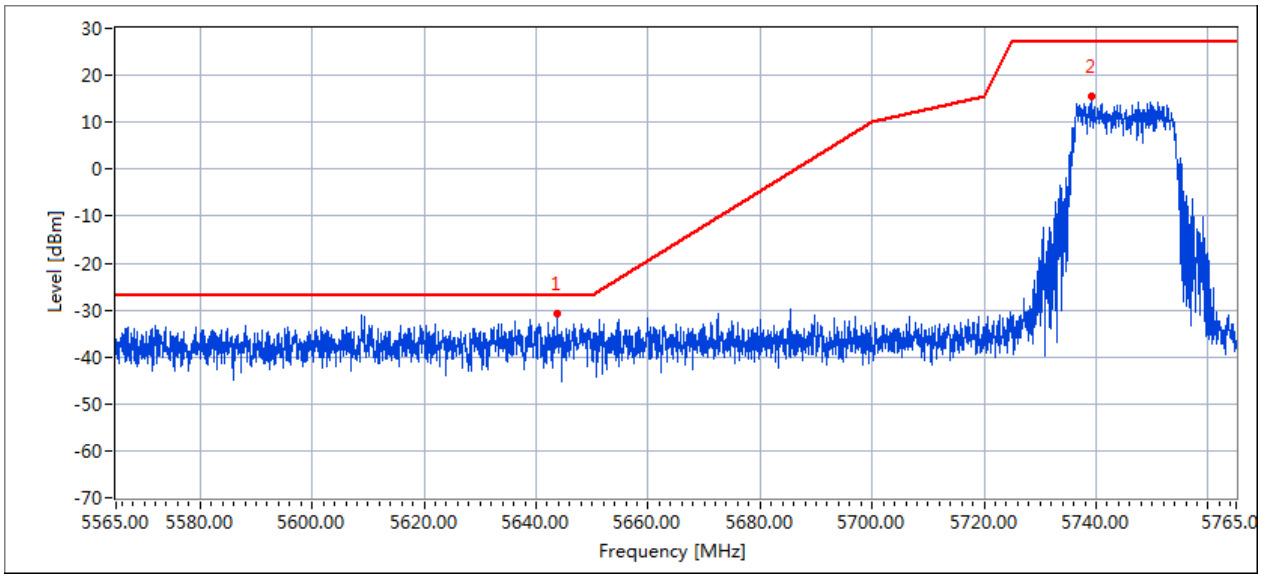


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5637.526	-32.0	-27.0	5

802.11ac20 5745MHz Vertical

Measurement Plot:

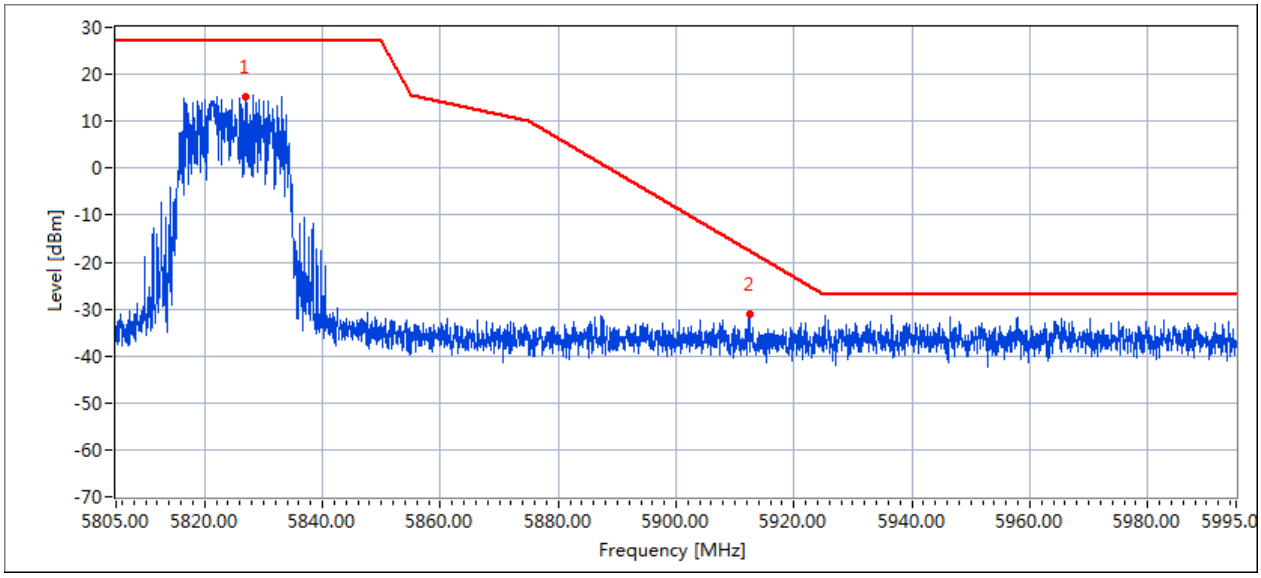


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5643.296	-30.9	-27.0	3.9

802.11ac20 5825MHz Horizontal

Measurement Plot:

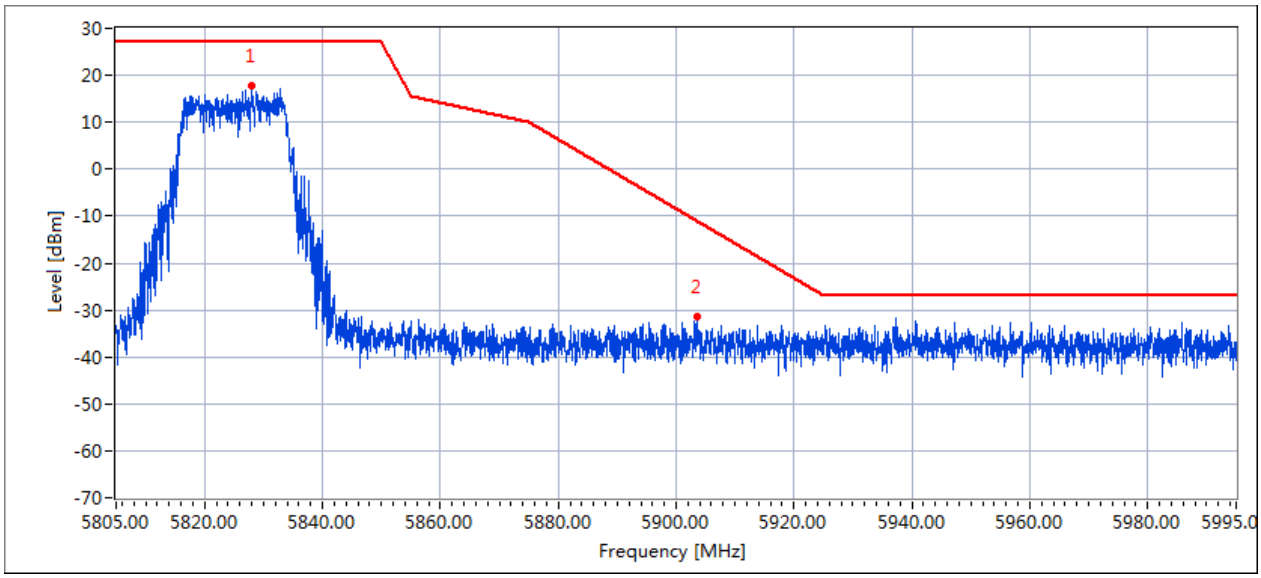


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5912.787	-31.1	-18.0	13.1

802.11ac20 5825MHz Vertical

Measurement Plot:

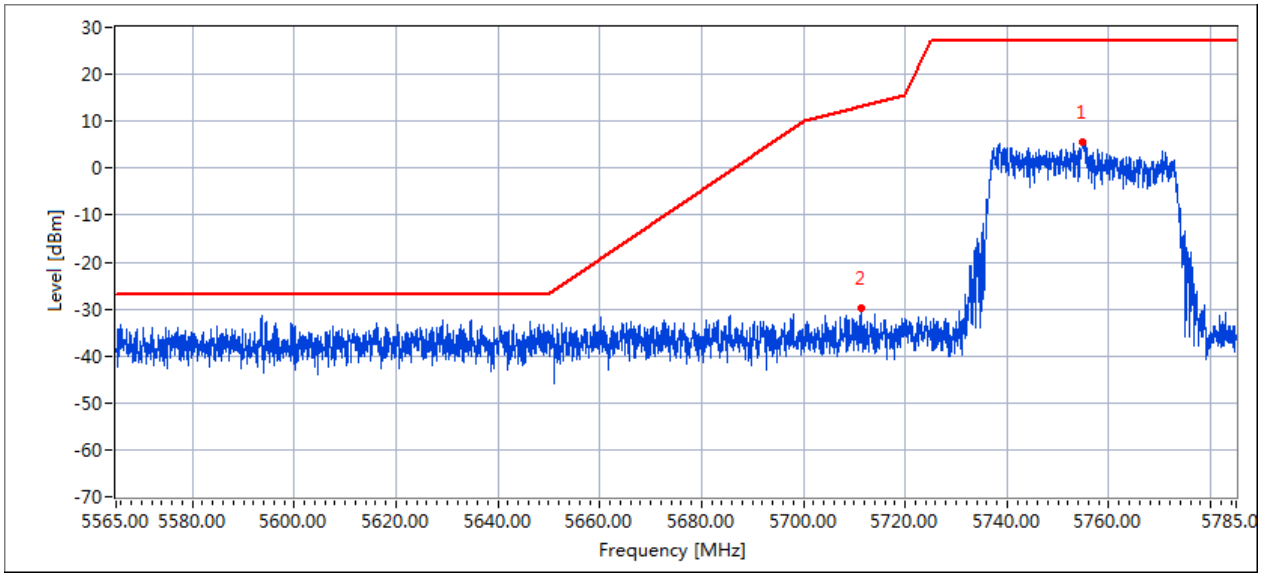


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5904.091	-31.5	-11.5	20

802.11ac40 5755MHz Horizontal

Measurement Plot:

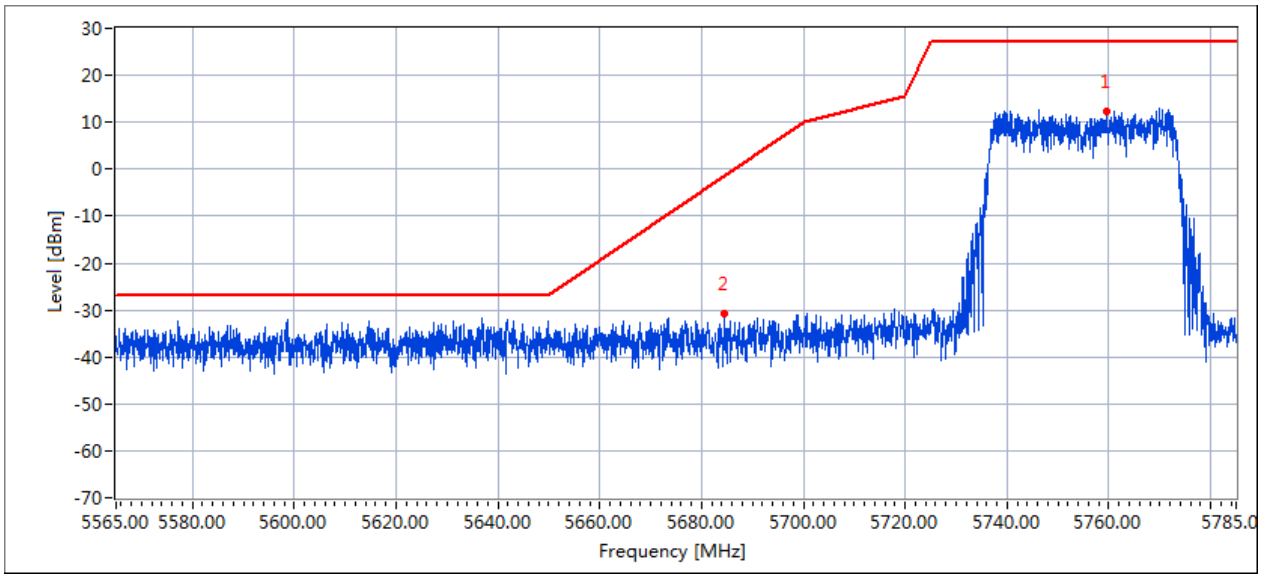


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5711.106	-29.7	13.1	42.8

802.11ac40 5755MHz Vertical

Measurement Plot:

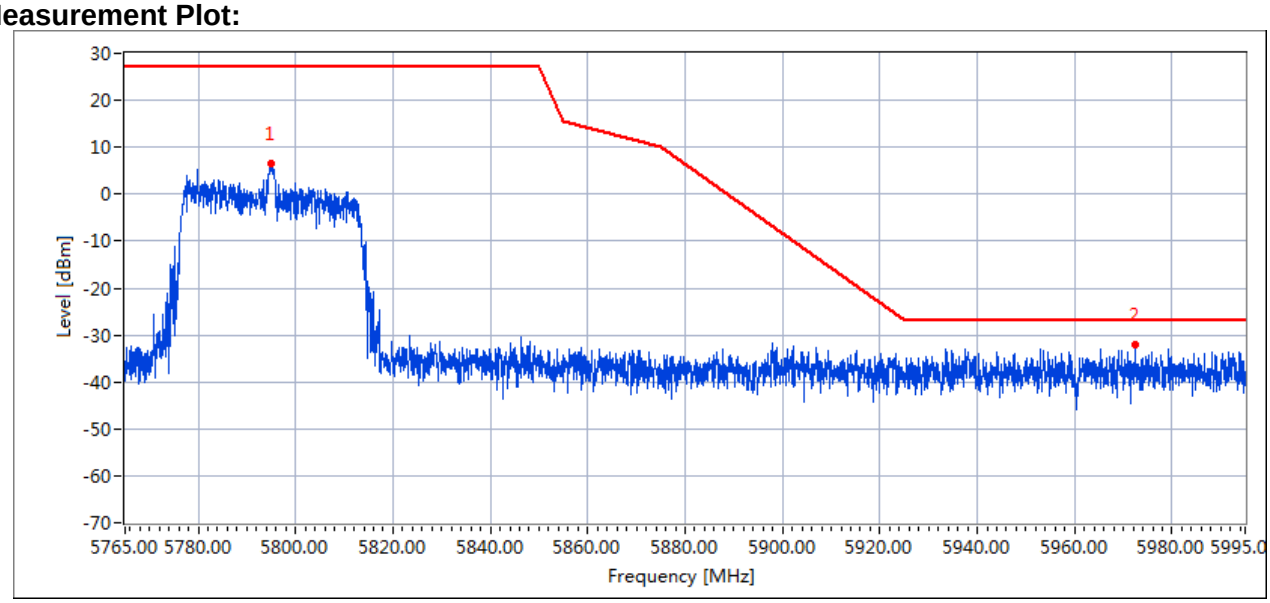


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5684.287	-30.7	-1.6	29.1

802.11ac40 5795MHz Horizontal

Measurement Plot:

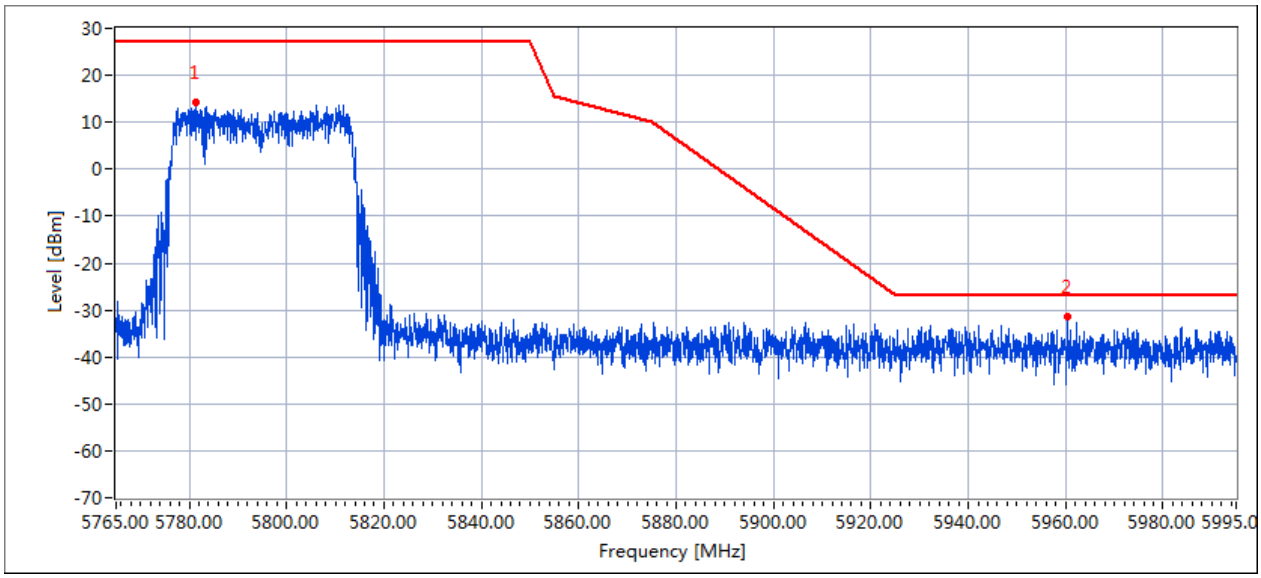


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5972.307	-32.1	-27.0	5.1

802.11ac40 5795MHz Vertical

Measurement Plot:

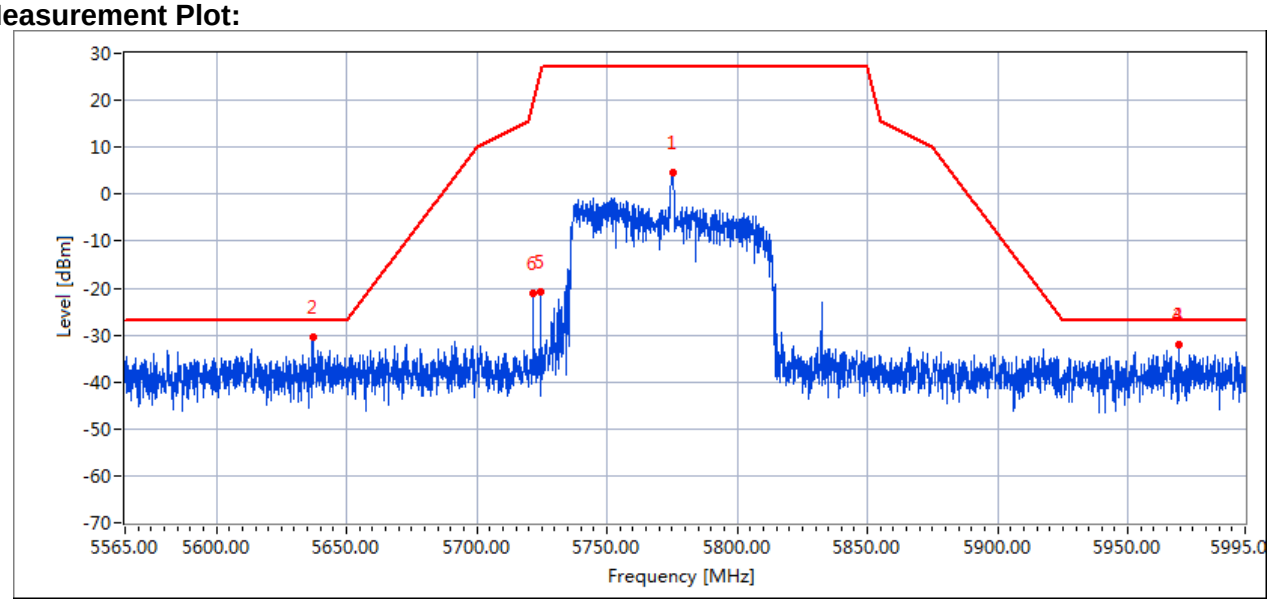


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5960.480	-31.3	-27.0	4.3

802.11ac80 5775MHz Horizontal

Measurement Plot:

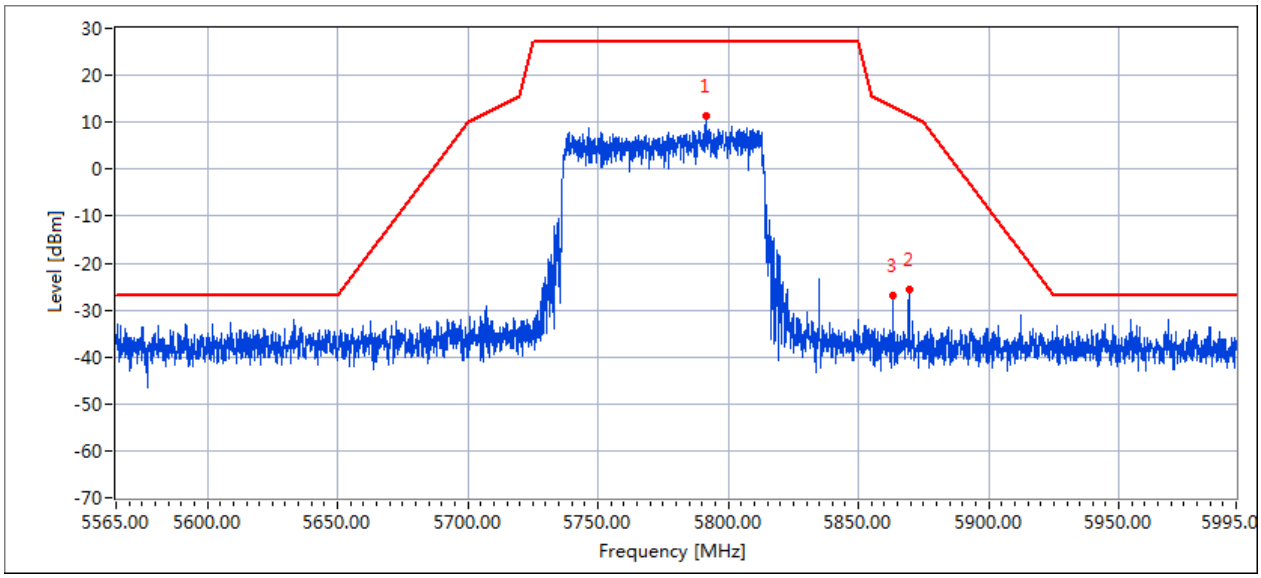


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5637.417	-30.5	-27.0	3.5
5969.176	-32.1	-27.0	5.1
5725.024	-20.7	27.0	47.7
5722.166	-21.2	20.5	41.7

802.11ac80 5775MHz Vertical

Measurement Plot:

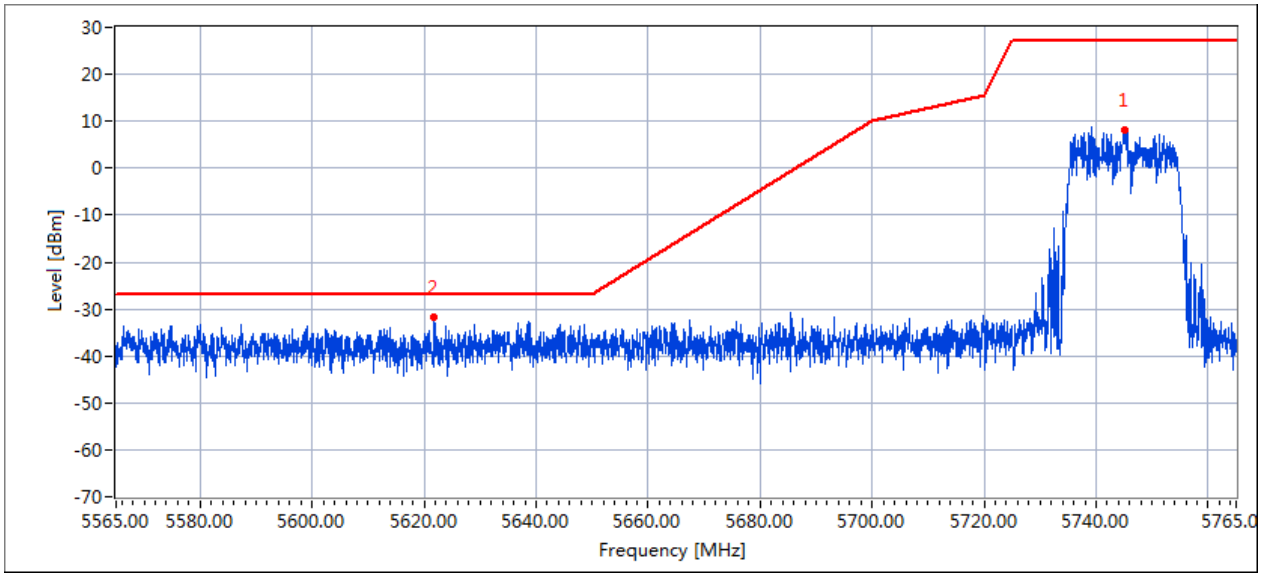


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5869.643	-25.6	11.5	37.1
5863.452	-26.8	13.2	40.0

802.11ax20 5745MHz Horizontal

Measurement Plot:

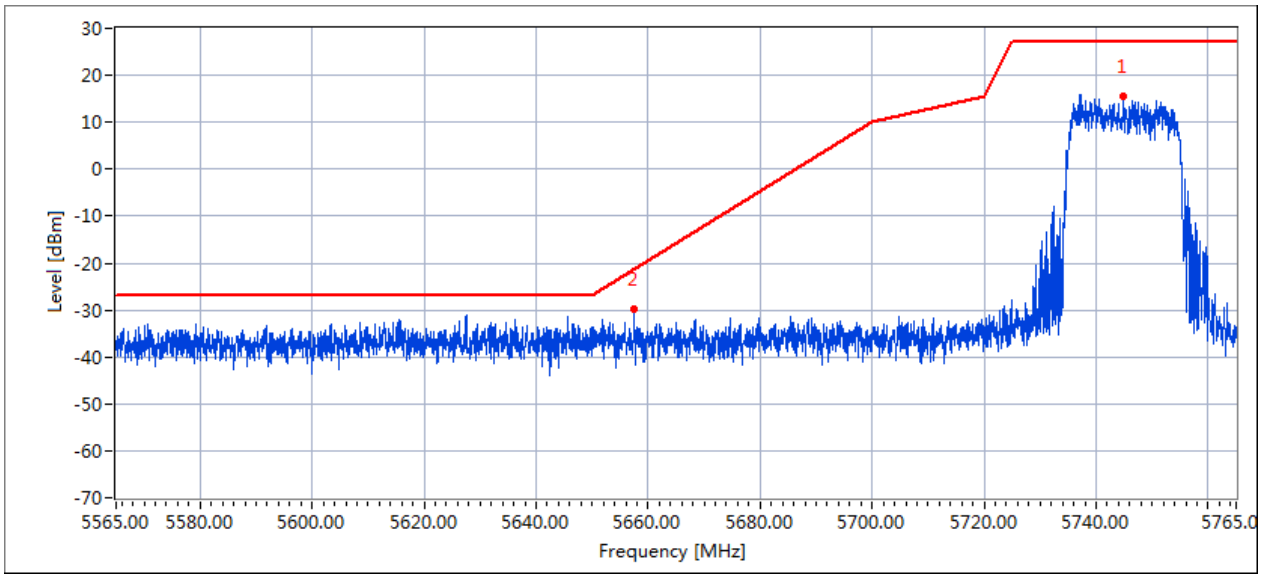


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5622.200	-31.7	-27.0	4.7

802.11ax20 5745MHz Vertical

Measurement Plot:

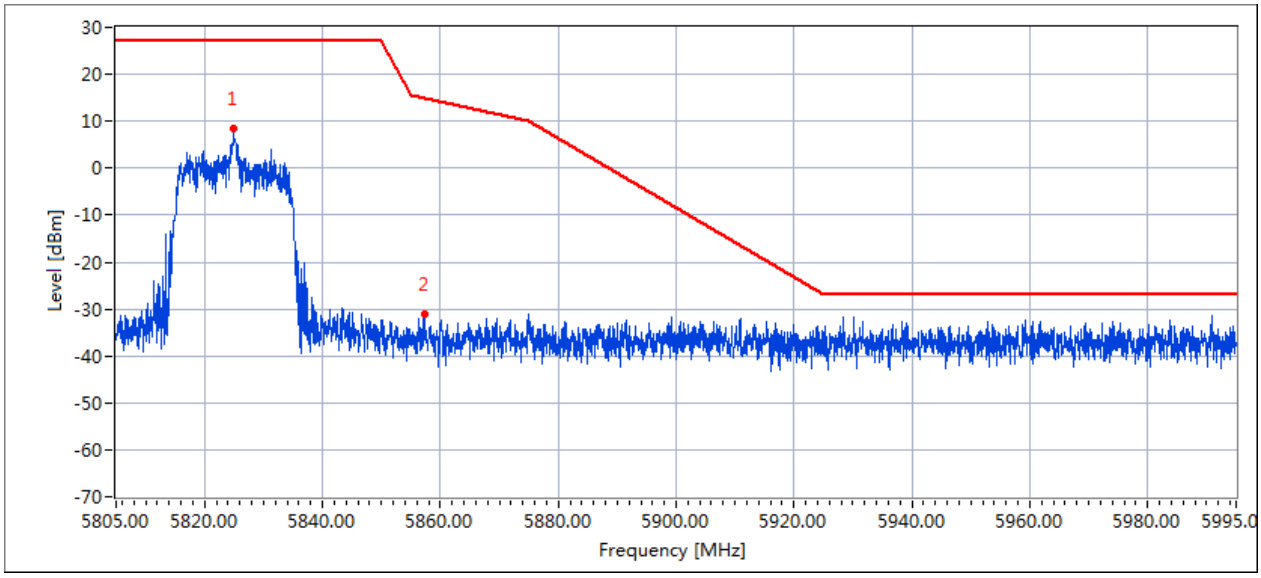


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5658.450	-29.7	-20.7	9.0

802.11ax20 5825MHz Horizontal

Measurement Plot:

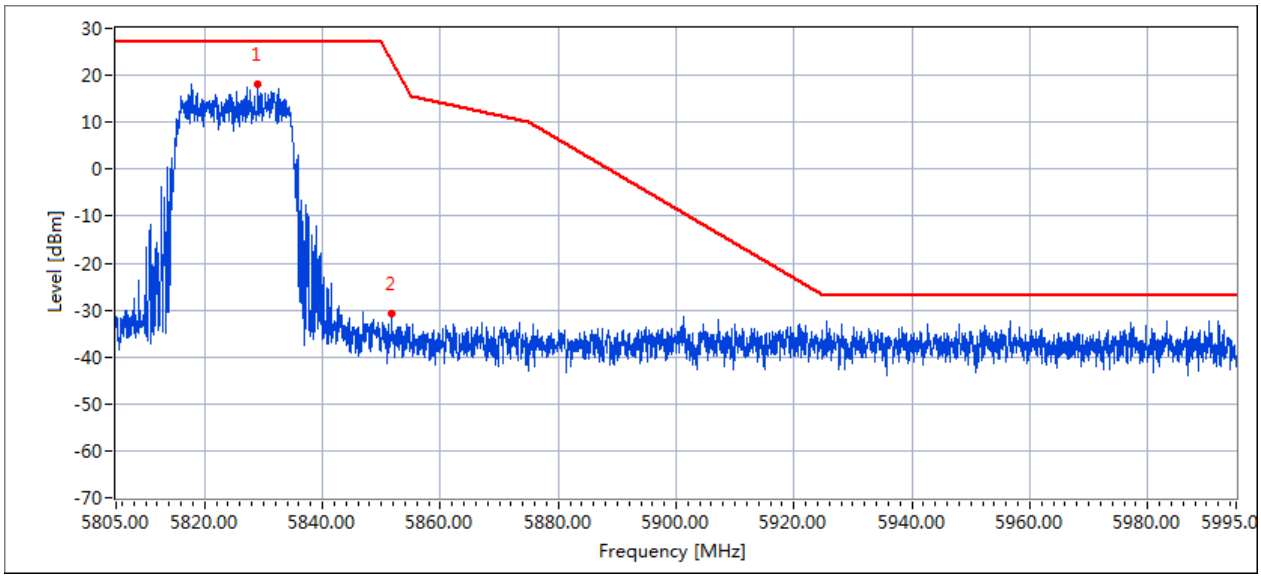


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5858.750	-31.0	14.6	45.6

802.11ax20 5825MHz Vertical

Measurement Plot:

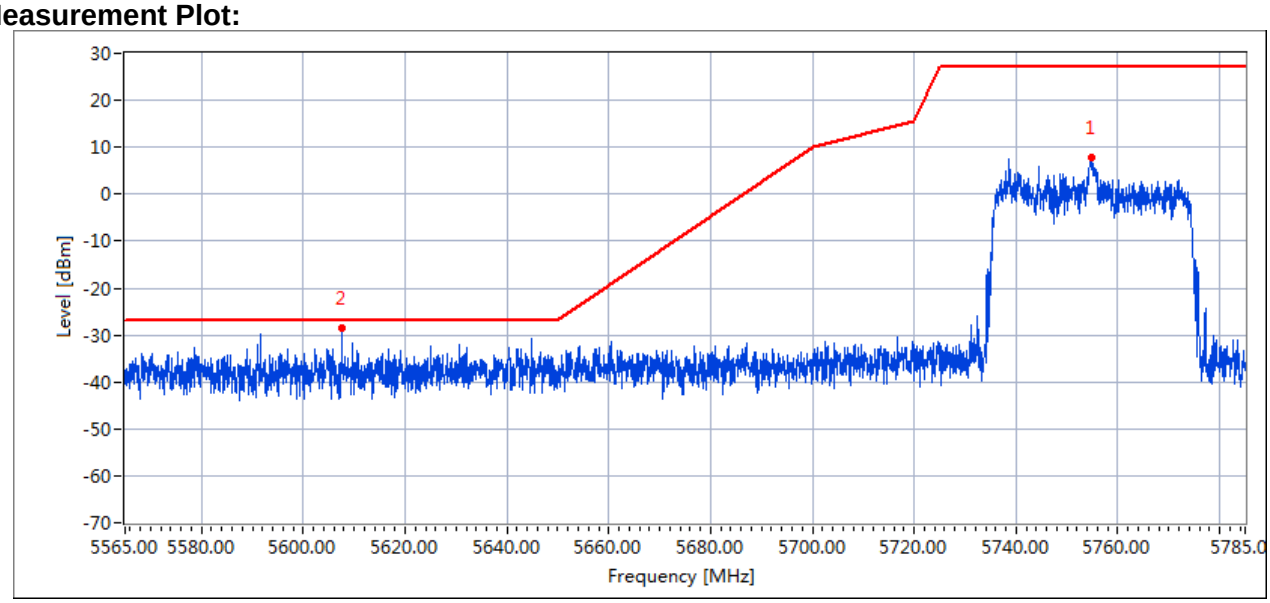


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5851.470	-30.8	23.6	54.4

802.11ax40 5755MHz Horizontal

Measurement Plot:

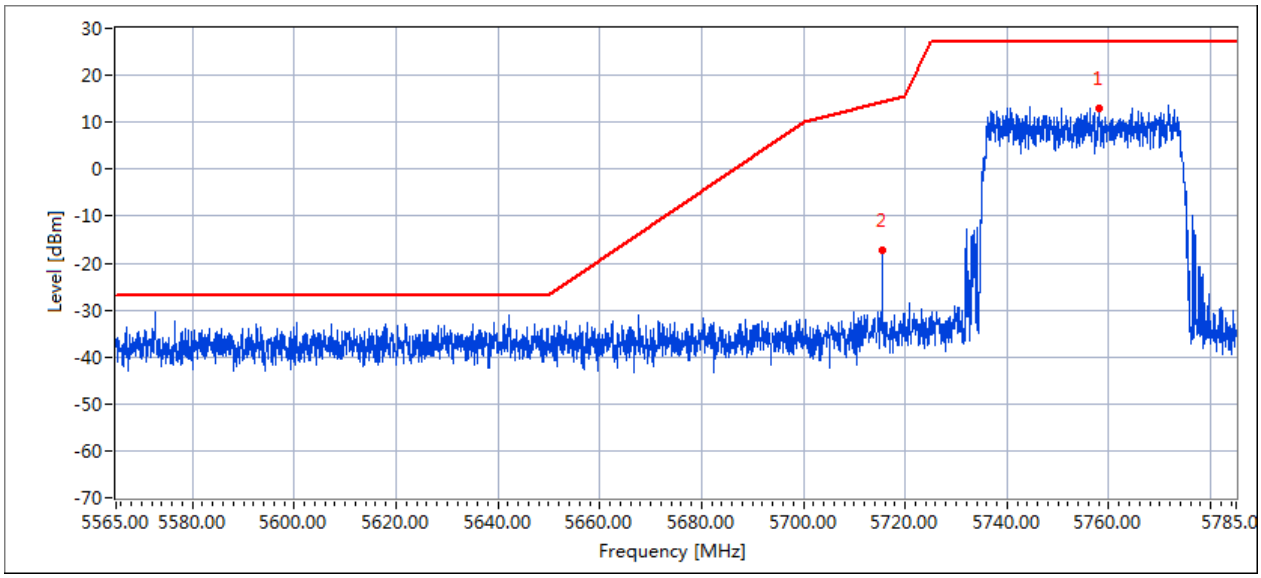


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5607.430	-28.6	-27.0	1.6

802.11ax40 5755MHz Vertical

Measurement Plot:

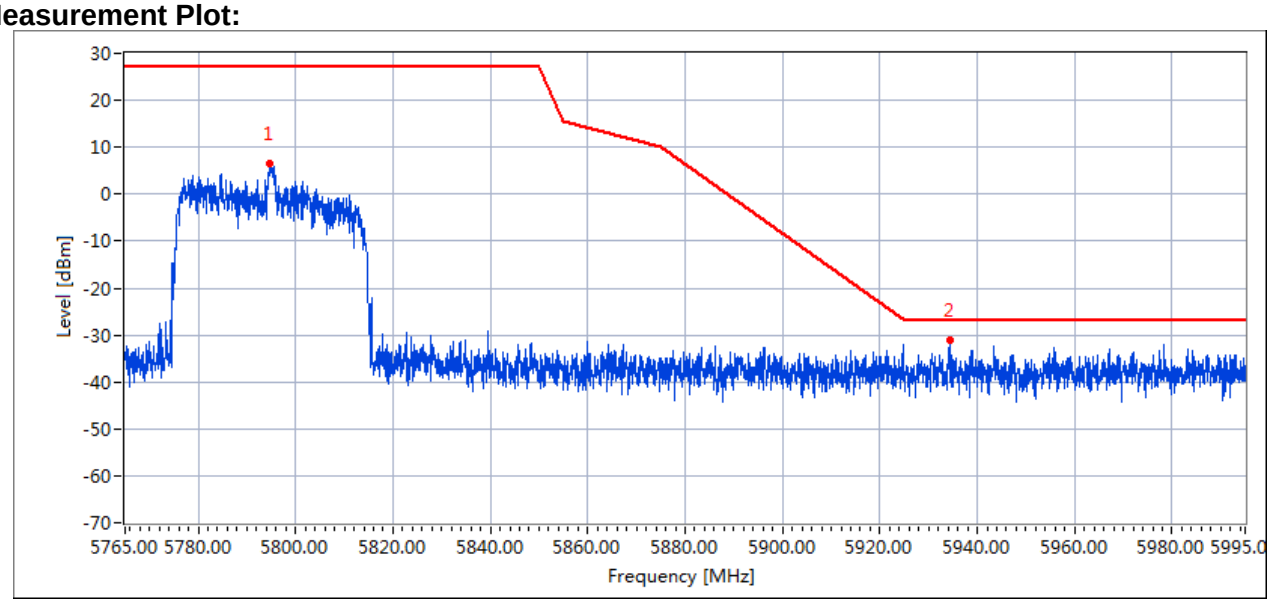


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5715.347	-17.3	14.3	31.6

802.11ax40 5795MHz Horizontal

Measurement Plot:

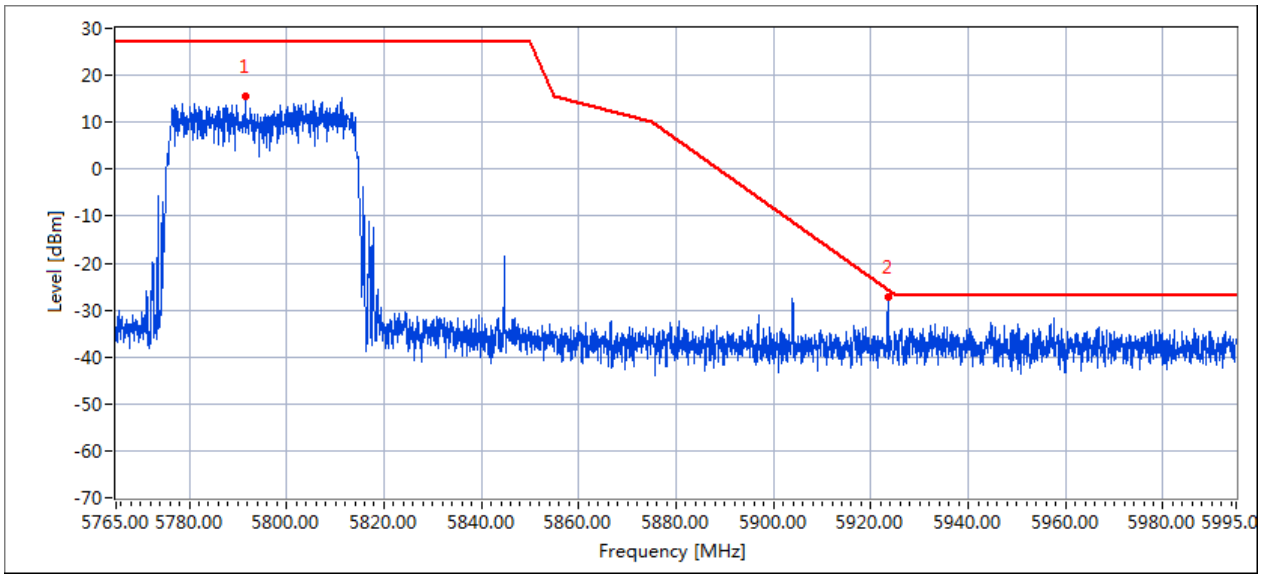


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5934.102	-31.1	-27.0	4.1

802.11ax40 5795MHz Vertical

Measurement Plot:

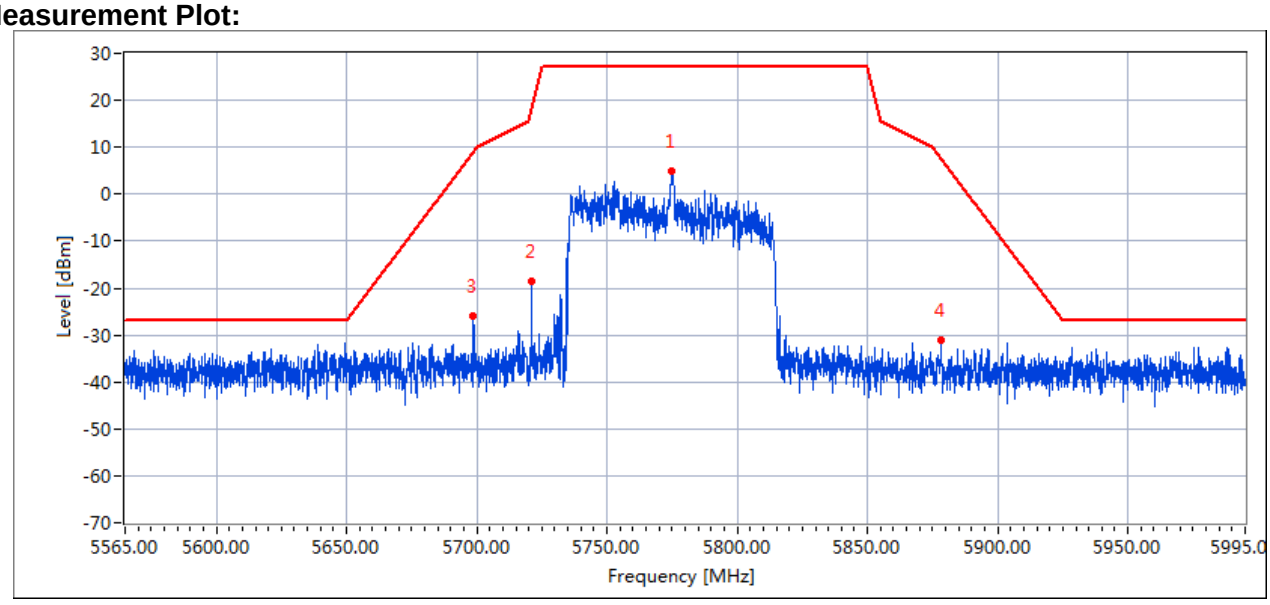


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5923.615	-27.4	-26.0	1.4

802.11ax80 5775MHz Horizontal

Measurement Plot:

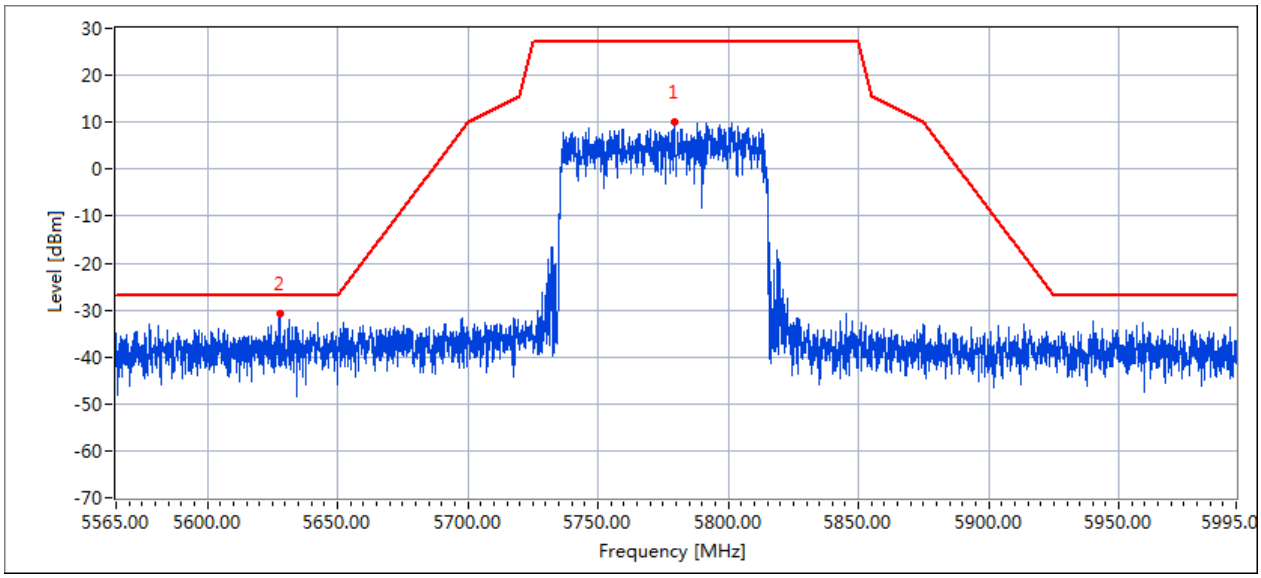


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5721.342	-18.7	18.7	37.4
5698.294	-25.8	8.7	34.5
5877.801	-31.2	7.9	39.1

802.11ax80 5775MHz Vertical

Measurement Plot:



Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5627.452	-30.9	-27.0	3.9

3.3 POWER SPECTRAL DENSITY TEST

3.3.1 APPLIED PROCEDURES / LIMIT

According to FCC §15.407(a)

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

(3)For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 TEST PROCEDURE

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥ 1/T, where T is defined in section II.B.I.a).

b) Set VBW ≥ 3 RBW.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.

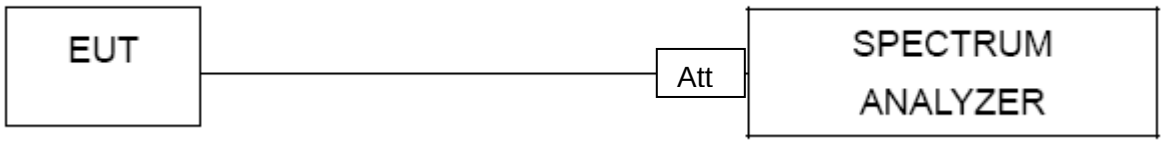
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

3.3.3 DEVIATION FROM STANDARD

No deviation.

3.3.4 TEST SETUP



3.3.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

3.3.6 TEST RESULTS

EUT：	A6	Model Name. ：	A6
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1015 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Refer to section 2.2 of this report:

For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=18 dBi
18 dBi > 6.0 dBi, so power spectral density limit=17-(18-6)=5dBm / 1MHz;
For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=18 dBi
18 dBi > 6.0 dBi, so power spectral density limit=11-(18-6)=-1dBm / 1MHz;
For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=18 dBi
18 dBi > 6.0 dBi, so power spectral density limit=11-(18-6)=-1dBm / 1MHz;
For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=18 dBi
18 dBi > 6.0 dBi, so power spectral density limit=30-(18-6)=18dBm / 500kHz;

Test data reference attachment.

3.4 26DB & 99% EMISSION BANDWIDTH

3.4.1 APPLIED PROCEDURES / LIMIT

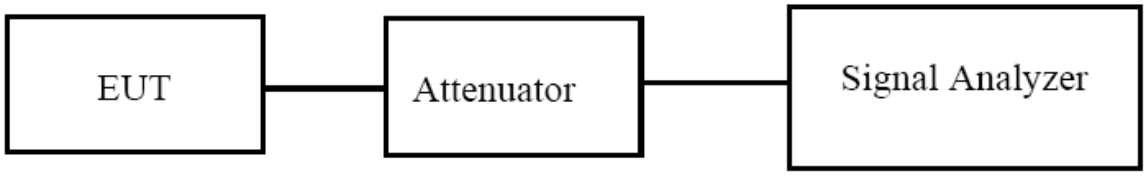
The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

3.4.2 TEST PROCEDURE

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW ≥ 3 · RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.



3.4.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.4.4 TEST RESULTS

EUT：	A6	Model Name. ：	A6
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1012 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Test data reference attachment.

3.5 MINIMUM 6 DB BANDWIDTH

3.5.1 APPLIED PROCEDURES / LIMIT

According to FCC §15.407(e)
(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.5.2 TEST PROCEDURE

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ≥ 3 × RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

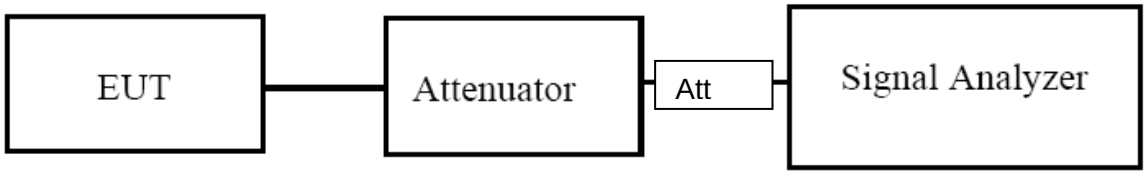
f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.5.3 DEVIATION FROM STANDARD

No deviation.

3.5.4 TEST SETUP



3.5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.5.6 **TEST RESULTS**

EUT：	A6	Model Name. ：	A6
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Test data reference attachment.

3.6 MAXIMUM CONDUCTED OUTPUT POWER

3.6.1 PPLIED PROCEDURES / LIMIT

According to FCC §15.407a)

The maximum conduced output power should not exceed:

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

(3)For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 TEST PROCEDURE

· Maximum conducted output power may be measured using a spectrum analyzer/EMI receiver or an RF power meter.

1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.1 However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).

a) The test method shall be selected as follows: (i) Method SA-1 or SA-1 Alternative (averaging with the EUT transmitting at full power throughout each sweep) shall be applied if either of the following conditions can be satisfied:

• The EUT transmits continuously (or with a duty cycle ≥ 98 percent).

• Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than ± 2 percent.

(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

(iii) Set VBW ≥ 3 MHz.

(iv) Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

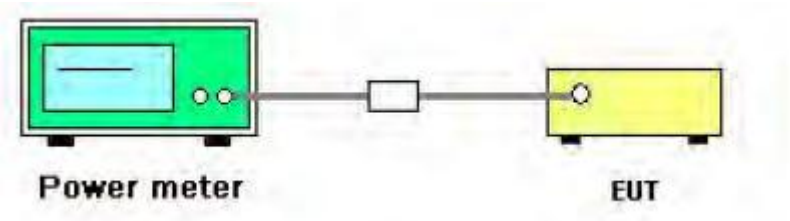
(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum

3.6.3 DEVIATION FROM STANDARD

No deviation.

3.6.4 TEST SETUP



3.6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.6.6 TEST RESULTS

EUT：	A6	Model Name. ：	A6
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 48V
Test Mode ：	Mode 2/3/4/5		

Refer to section 2.2 of this report:

For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=18dBi
18dBi > 6.0dBi, so power limit=30-(18-6)=18dBm;
For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=18dBi
18dBi > 6.0dBi, so power limit=(the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.)-(18-6);
For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=18dBi
18dBi > 6.0dBi, so power limit=(the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.)-(18-6);
For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=18dBi
18dBi > 6.0dBi, so power limit=30-(18-6)=18dBm;

Test data reference attachment.

3.6.7 MASTER MODE ELEVATION ANGLE ABOVE 30 DEGREES MAXIMUM E.I.R.P. EVALUATION:

The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

Frequency (MHz)	Max. EIRP (dBm)	Limit (dBm)
802.11ax40		
5270	20.71	21

3.7 OUT OF BAND EMISSIONS

3.7.1 APPLICABLE STANDARD

According to FCC §15.407(b)

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

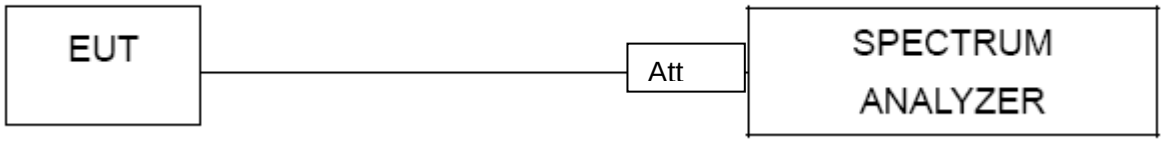
3.7.2 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

3.7.3 DEVIATION FROM STANDARD

No deviation.

3.7.4 TEST SETUP



3.7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.7.6 **TEST RESULTS**

EUT：	A6	Model Name. ：	A6
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1012 hPa	Test Voltage ：	DC 48V

Test data reference attachment.

3.8 SPURIOUS RF CONDUCTED EMISSIONS

3.8.1CONFORMANCE LIMIT

According to FCC §15.407b

3.8.2MEASURING INSTRUMENTS

The Measuring equipment is listed in the section 6.3 of this test report.

3.8.3TEST SETUP

Please refer to Section 6.1 of this test report.

3.8.4TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=1000kHz and VBW= 3000KHz to measure the peak field strength , and measure frequency range from 30MHz to 40GHz.

3.8.5TEST RESULTS

Remark: The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

Test data reference attachment.

3.9 FREQUENCY STABILITY

Section 15.407(g) specifies that U-NII devices are required to ensure frequency stability. It is required that that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual. The grantee is responsible for ensuring that the EUT meets Section 15.407(g) requirements; however, the applications for equipment certification are not required to include test reports with explicit demonstration of compliance.

4. ANTENNA REQUIREMENT

4.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: 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.

4.2 EUT ANTENNA

The EUT have a permanent attached Integral(Panel) antenna. It comply with the standard requirement.

5. DYNAMIC FREQUENCY SELECTION(DFS)

Test results reference to the DFS test report.

END OF REPORT