FCC RADIO TEST REPORT
FCC ID: 2ABZJ-100-00111

Product :	C6x
Trade Mark :	mimosa by Airspan
Model Name :	C6x
Family Model :	iBridge C6x
Report No. :	S22051400107001

Prepared for

Mimosa Networks, Inc.

777 Yamato Road, Boca Raton, FL 33431 USA

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
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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 C6x

Model and/or type reference C6x

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.

This report shall not be reproduced except in full, without the written approval of NTEK, this document may be altered or revised by NTEK, personnel only, and shall be noted in the revision of the document.

Date of Test .....

Date (s) of performance of tests ..... 14 May. 2022 ~ 17 Jul. 2022

Date of Issue..... 19 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
S22051400107001	Rev.01	Initial issue of report	19 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	
15.407(c)	Automatically Discontinue Transmission	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	C6x	
Trade Mark	mimosa by Airspan	
Model Name	C6x	
Family Model	iBridge C6x	
Model Difference	All the model are the same circuit and RF module, except the model names.	
FCC ID	2ABZJ-100-00111	
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: Integral Panel Antenna
External (Screw on): Cassegrain Antenna</td></tr>
<tr><td>Antenna Gain</td><td>Internal: 8dBi
External (Screw on): Max. 25dBi</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 24V from PoE</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

Due to the channel 50 aggregation is whole bandwidth (160MHz). Whole band comply with the conversation limit(as PSD, Maximum Conducted Output Power and Band Edge...) for the straddle channels 5150MHz. Please see the attached test data

4. In ax mode, RU allocation is not supported and it is a full carrier.

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)	2TX, 2RX

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

8dBi Antenna
For power measurements: Directional gain=G_{ANT} + Array Gain=8dBi + 0 = 8dBi
For power spectral density (PSD) measurements: Directional gain=G_{ANT} +Array Gain=8dBi+3.01=11.01dBi

25dBi Antenna
For power measurements: Directional gain=G_{ANT} + Array Gain=25dBi + 0 = 25dBi
For power spectral density (PSD) measurements: Directional gain=G_{ANT} +Array Gain=25dBi+3.01=28.01dBi

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.

8dBi Antenna

Band	Modulation	Power Setting
U-NII-1	802.11ac/ax 20/40/80/160	802.11ac/ax 20: 13 802.11ac/ax 40/80/160: 10
U-NII-2A	802.11ac/ax 20/40/80/160	15
U-NII-2C	802.11ac/ax 20/40/80/160	15
U-NII-3	802.11ac/ax 20/40/80	22

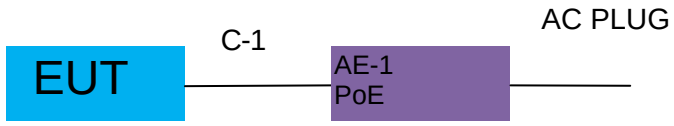
25dBi Antenna

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	0
U-NII-2C	802.11ac/ax 20/40/80/160	0
U-NII-3	802.11ac/ax 20/40/80	5

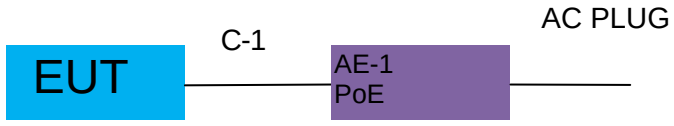
Note: Installer set the antenna gain via configuration UI according to the antenna, ensure that all configurations are compliance.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

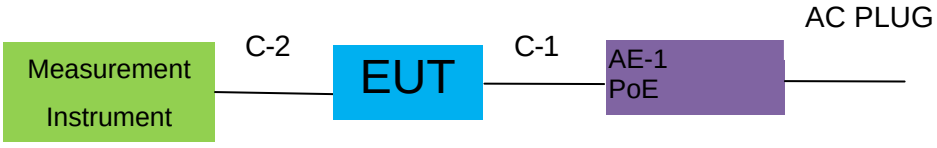
For AC Conducted Emission Mode



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 2022.06.16	2022.06.30 2023.06.15	1 year
3	Spectrum Analyzer	R&S	FSV40	101417	2021.07.01 2022.06.16	2022.06.30 2023.06.15	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 2022.06.17	2022.06.30 2023.06.16	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 2022.06.16	2022.06.30 2023.06.15	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

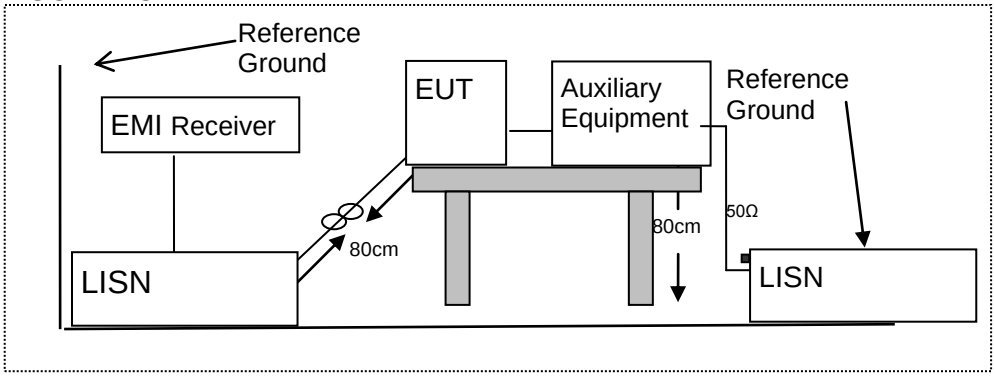
According to FCC Part 15.207(a)

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.

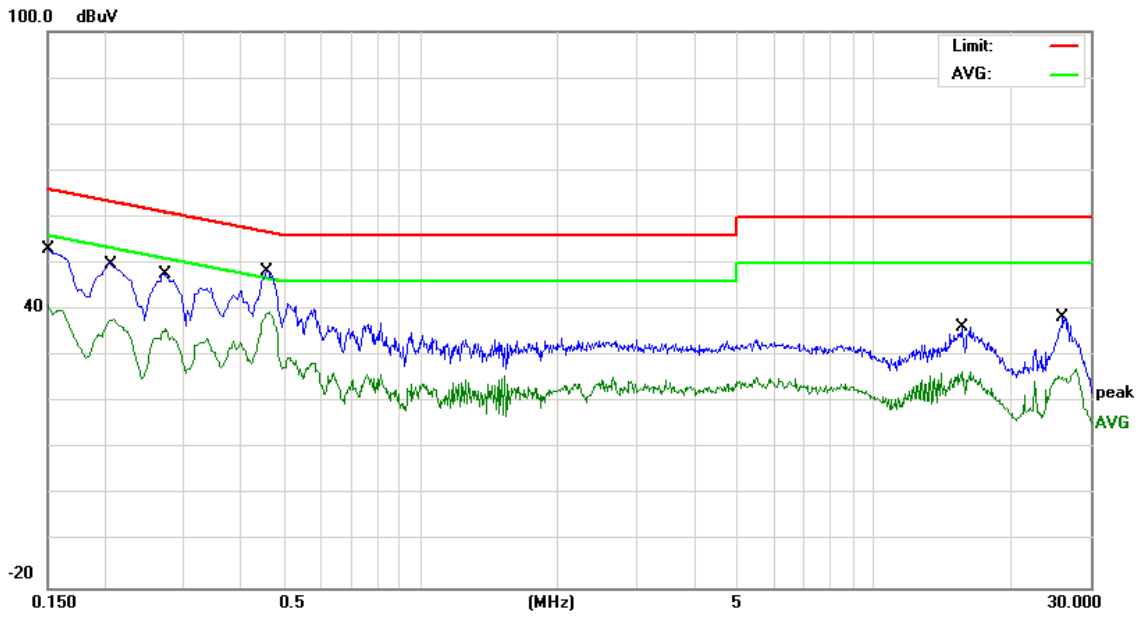
3.1.5 TEST RESULTS

EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.2G 802.11ax20 Mid CH

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1516	43.52	9.60	53.12	65.91	-12.79	QP
0.1516	30.63	9.60	40.23	55.91	-15.68	AVG
0.2083	39.93	9.62	49.55	63.27	-13.72	QP
0.2083	28.30	9.62	37.92	53.27	-15.35	AVG
0.2740	37.95	9.63	47.58	60.99	-13.41	QP
0.2740	26.21	9.63	35.84	50.99	-15.15	AVG
0.4580	38.73	9.66	48.39	56.73	-8.34	QP
0.4580	29.89	9.66	39.55	46.73	-7.18	AVG
15.6219	26.18	10.10	36.28	60.00	-23.72	QP
15.6219	16.52	10.10	26.62	50.00	-23.38	AVG
26.0660	27.95	10.31	38.26	60.00	-21.74	QP
26.0660	16.92	10.31	27.23	50.00	-22.77	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.

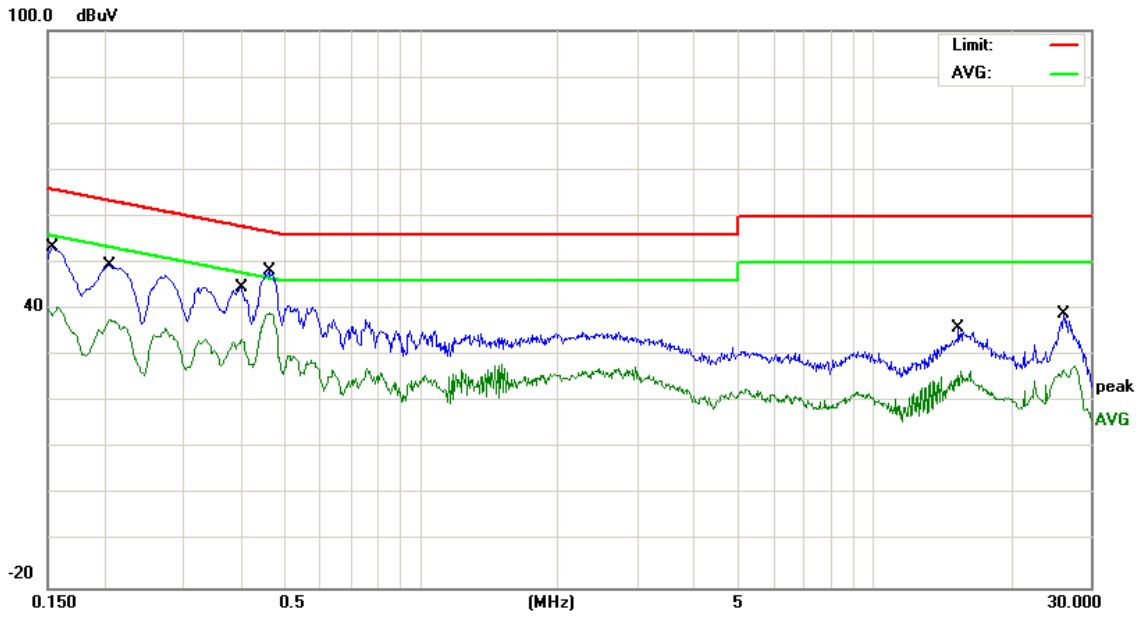
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.2G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	43.71	9.65	53.36	65.78	-12.42	QP
0.1539	30.78	9.65	40.43	55.78	-15.35	AVG
0.2060	39.92	9.63	49.55	63.36	-13.81	QP
0.2060	28.00	9.63	37.63	53.36	-15.73	AVG
0.4020	35.12	9.67	44.79	57.81	-13.02	QP
0.4020	23.85	9.67	33.52	47.81	-14.29	AVG
0.4620	38.61	9.66	48.27	56.66	-8.39	QP
0.4620	29.56	9.66	39.22	46.66	-7.44	AVG
15.3499	25.96	10.06	36.02	60.00	-23.98	QP
15.3499	16.55	10.06	26.61	50.00	-23.39	AVG
26.2220	28.76	10.22	38.98	60.00	-21.02	QP
26.2220	17.64	10.22	27.86	50.00	-22.14	AVG

Remark:

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



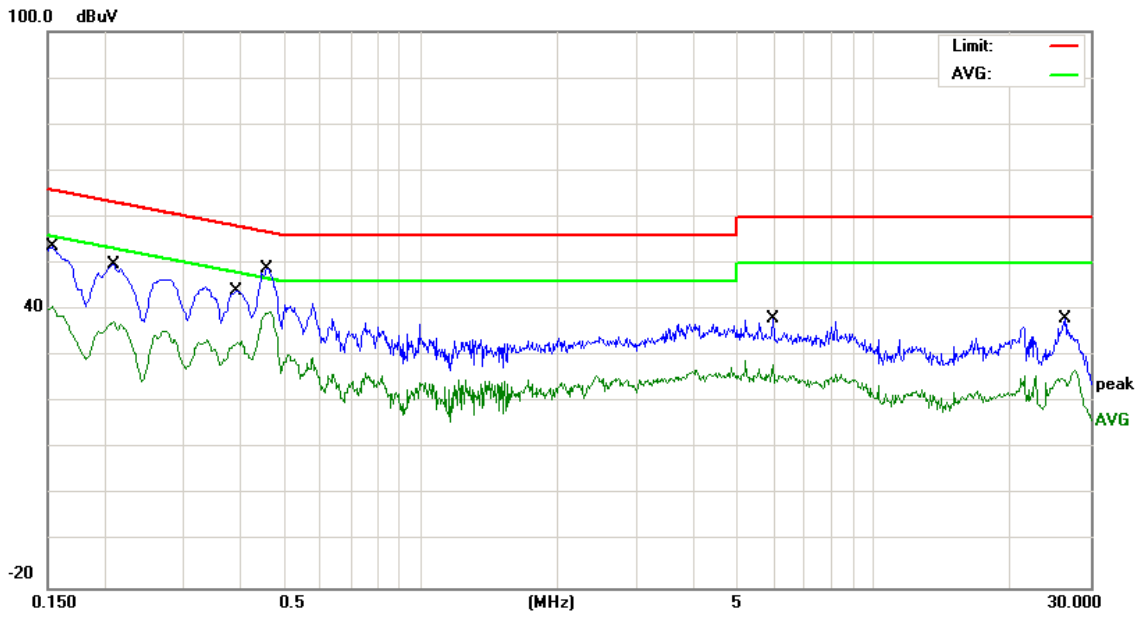
Note: The test report records only the worst-case test values.

EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.3G 802.11ax20 Mid CH

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1539	43.98	9.60	53.58	65.78	-12.20	QP
0.1539	31.01	9.60	40.61	55.78	-15.17	AVG
0.2100	40.16	9.62	49.78	63.20	-13.42	QP
0.2100	27.84	9.62	37.46	53.20	-15.74	AVG
0.3899	34.48	9.65	44.13	58.06	-13.93	QP
0.3899	23.41	9.65	33.06	48.06	-15.00	AVG
0.4580	39.13	9.66	48.79	56.73	-7.94	QP
0.4580	30.00	9.66	39.66	46.73	-7.07	AVG
5.9699	28.13	9.81	37.94	60.00	-22.06	QP
5.9699	19.09	9.81	28.90	50.00	-21.10	AVG
26.3180	27.69	10.32	38.01	60.00	-21.99	QP
26.3180	16.59	10.32	26.91	50.00	-23.09	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.

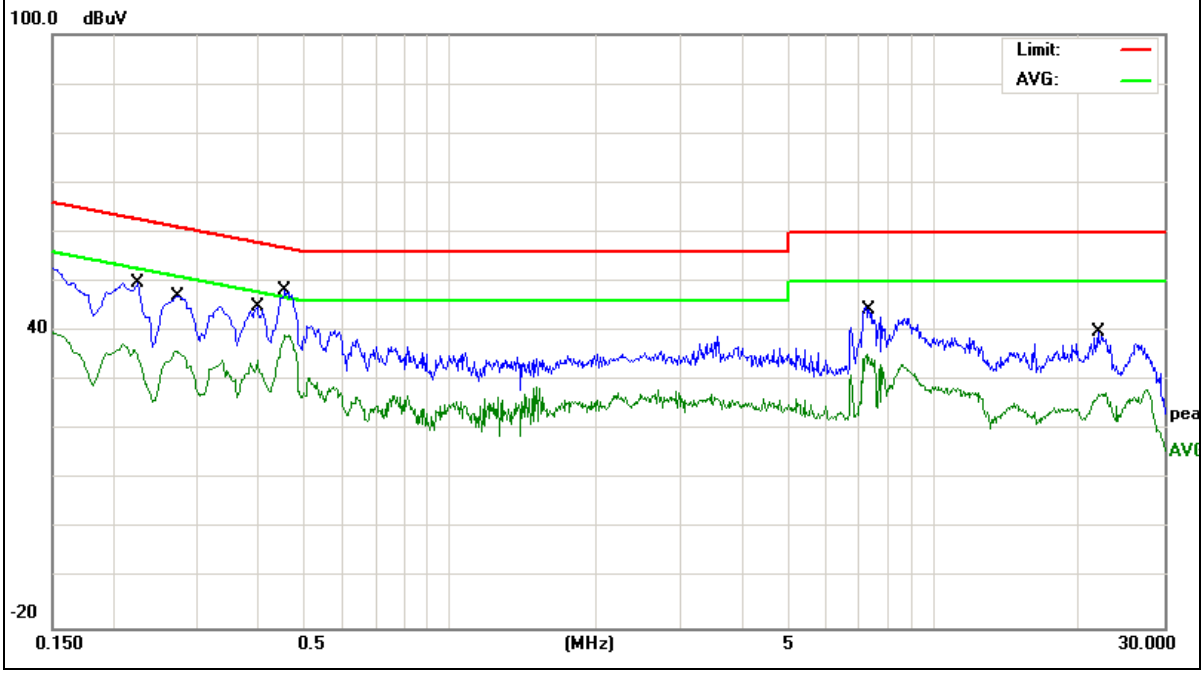
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.3G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2260	40.18	9.62	49.80	62.59	-12.79	QP
0.2260	26.51	9.62	36.13	52.59	-16.46	AVG
0.2740	37.50	9.63	47.13	60.99	-13.86	QP
0.2740	26.33	9.63	35.96	50.99	-15.03	AVG
0.3980	35.18	9.66	44.84	57.89	-13.05	QP
0.3980	24.47	9.66	34.13	47.89	-13.76	AVG
0.4540	38.47	9.66	48.13	56.80	-8.67	QP
0.4540	29.67	9.66	39.33	46.80	-7.47	AVG
7.3500	34.51	9.83	44.34	60.00	-15.66	QP
7.3500	25.51	9.83	35.34	50.00	-14.66	AVG
21.8900	29.66	10.17	39.83	60.00	-20.17	QP
21.8900	17.86	10.17	28.03	50.00	-21.97	AVG

Remark:

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



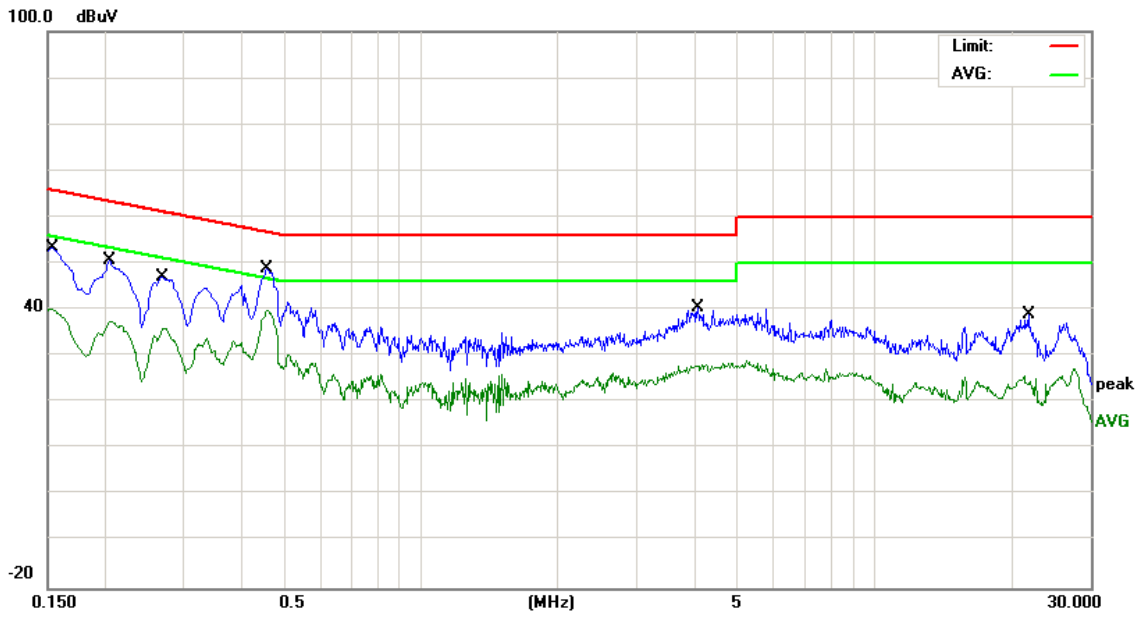
Note: The test report records only the worst-case test values.

EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.6G 802.11ax20 Mid CH

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.1539	43.80	9.60	53.40	65.78	-12.38	QP
0.1539	30.40	9.60	40.00	55.78	-15.78	AVG
0.2060	40.98	9.62	50.60	63.36	-12.76	QP
0.2060	27.92	9.62	37.54	53.36	-15.82	AVG
0.2700	37.37	9.63	47.00	61.12	-14.12	QP
0.2700	26.31	9.63	35.94	51.12	-15.18	AVG
0.4580	39.08	9.66	48.74	56.73	-7.99	QP
0.4580	30.26	9.66	39.92	46.73	-6.81	AVG
4.0780	30.69	9.75	40.44	56.00	-15.56	QP
4.0780	19.42	9.75	29.17	46.00	-16.83	AVG
21.9100	28.74	10.22	38.96	60.00	-21.04	QP
21.9100	15.51	10.22	25.73	50.00	-24.27	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.

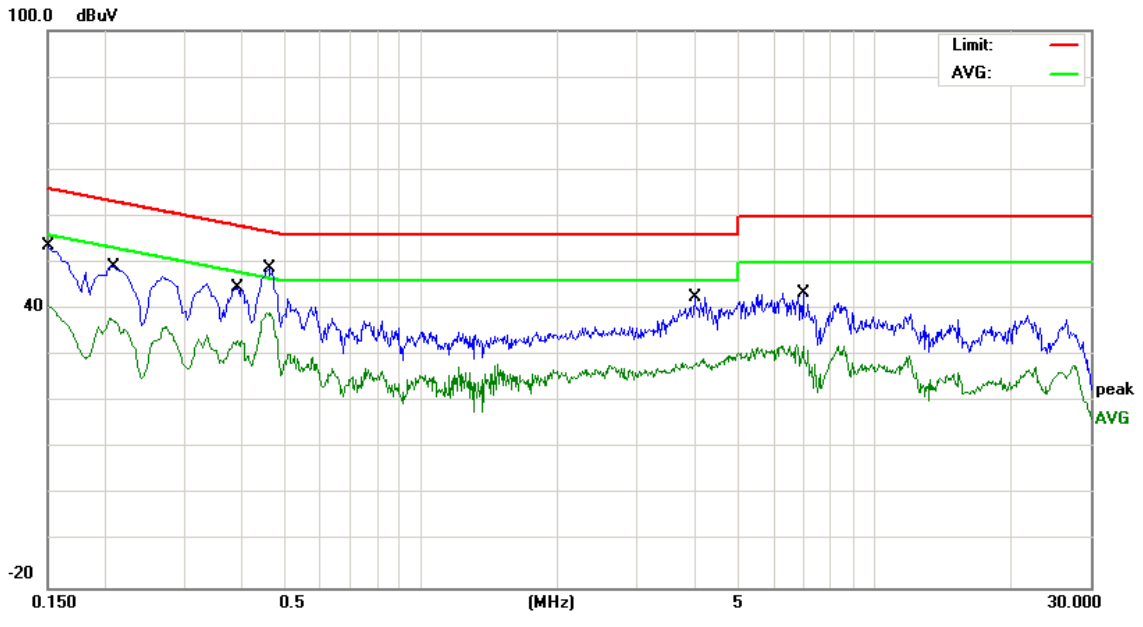
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.6G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1503	44.01	9.65	53.66	65.98	-12.32	QP
0.1503	31.07	9.65	40.72	55.98	-15.26	AVG
0.4620	39.16	9.66	48.82	56.66	-7.84	QP
0.4620	29.45	9.66	39.11	46.66	-7.55	AVG
6.9540	33.63	9.82	43.45	60.00	-16.55	QP
6.9540	22.45	9.82	32.27	50.00	-17.73	AVG
0.2100	39.67	9.63	49.30	63.20	-13.90	QP
0.2100	28.31	9.63	37.94	53.20	-15.26	AVG
4.0220	32.95	9.72	42.67	56.00	-13.33	QP
4.0220	19.69	9.72	29.41	46.00	-16.59	AVG
0.3940	35.12	9.66	44.78	57.98	-13.20	QP
0.3940	23.74	9.66	33.40	47.98	-14.58	AVG

Remark:

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



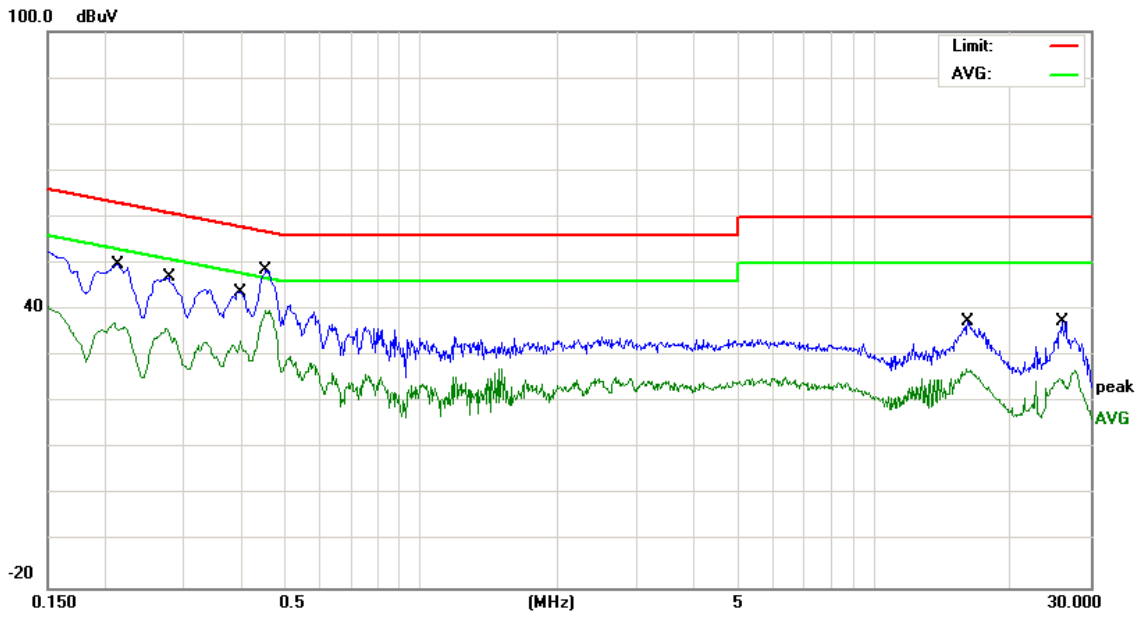
Note: The test report records only the worst-case test values.

EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2140	40.10	9.62	49.72	63.04	-13.32	QP
0.2140	27.67	9.62	37.29	53.04	-15.75	AVG
0.2779	37.28	9.64	46.92	60.88	-13.96	QP
0.2779	26.37	9.64	36.01	50.88	-14.87	AVG
0.3980	34.09	9.65	43.74	57.89	-14.15	QP
0.3980	23.63	9.65	33.28	47.89	-14.61	AVG
0.4540	38.76	9.66	48.42	56.80	-8.38	QP
0.4540	30.11	9.66	39.77	46.80	-7.03	AVG
16.0820	27.30	10.11	37.41	60.00	-22.59	QP
16.0820	17.05	10.11	27.16	50.00	-22.84	AVG
25.9300	27.17	10.31	37.48	60.00	-22.52	QP
25.9300	16.66	10.31	26.97	50.00	-23.03	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.

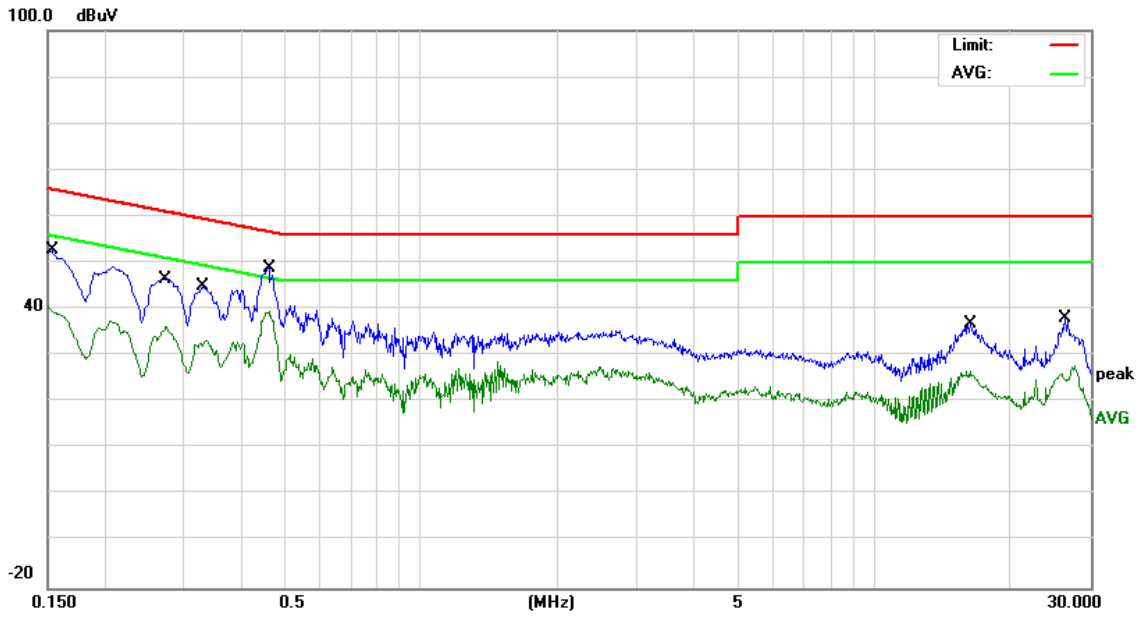
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

8dBi Antenna
5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	42.95	9.65	52.60	65.78	-13.18	QP
0.1539	30.99	9.65	40.64	55.78	-15.14	AVG
0.2740	36.87	9.63	46.50	60.99	-14.49	QP
0.2740	26.77	9.63	36.40	50.99	-14.59	AVG
0.3300	35.21	9.65	44.86	59.45	-14.59	QP
0.3300	23.65	9.65	33.30	49.45	-16.15	AVG
0.4620	39.32	9.66	48.98	56.66	-7.68	QP
0.4620	29.96	9.66	39.62	46.66	-7.04	AVG
16.0940	26.56	10.07	36.63	60.00	-23.37	QP
16.0940	16.63	10.07	26.70	50.00	-23.30	AVG
26.2820	27.89	10.22	38.11	60.00	-21.89	QP
26.2820	17.61	10.22	27.83	50.00	-22.17	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.

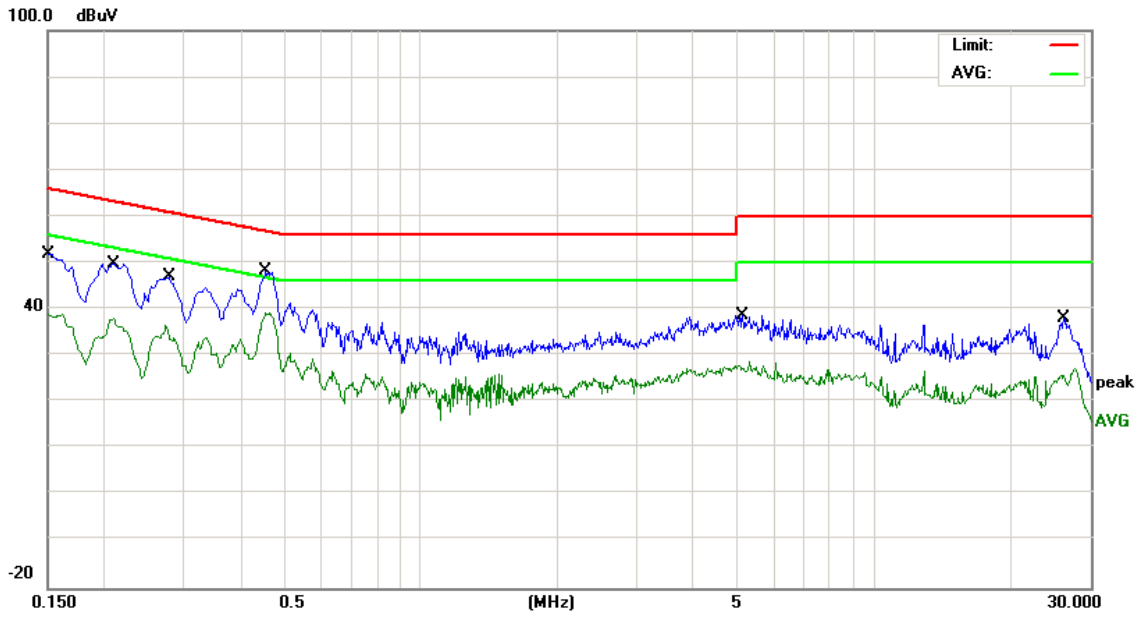
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.2G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1503	42.20	9.60	51.80	65.98	-14.18	QP
0.1503	29.32	9.60	38.92	55.98	-17.06	AVG
0.2100	40.26	9.62	49.88	63.20	-13.32	QP
0.2100	28.31	9.62	37.93	53.20	-15.27	AVG
0.2779	37.32	9.64	46.96	60.88	-13.92	QP
0.2779	26.85	9.64	36.49	50.88	-14.39	AVG
0.4540	38.63	9.66	48.29	56.80	-8.51	QP
0.4540	29.67	9.66	39.33	46.80	-7.47	AVG
5.1220	28.92	9.77	38.69	60.00	-21.31	QP
5.1220	18.13	9.77	27.90	50.00	-22.10	AVG
26.2139	27.66	10.31	37.97	60.00	-22.03	QP
26.2139	14.83	10.31	25.14	50.00	-24.86	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.

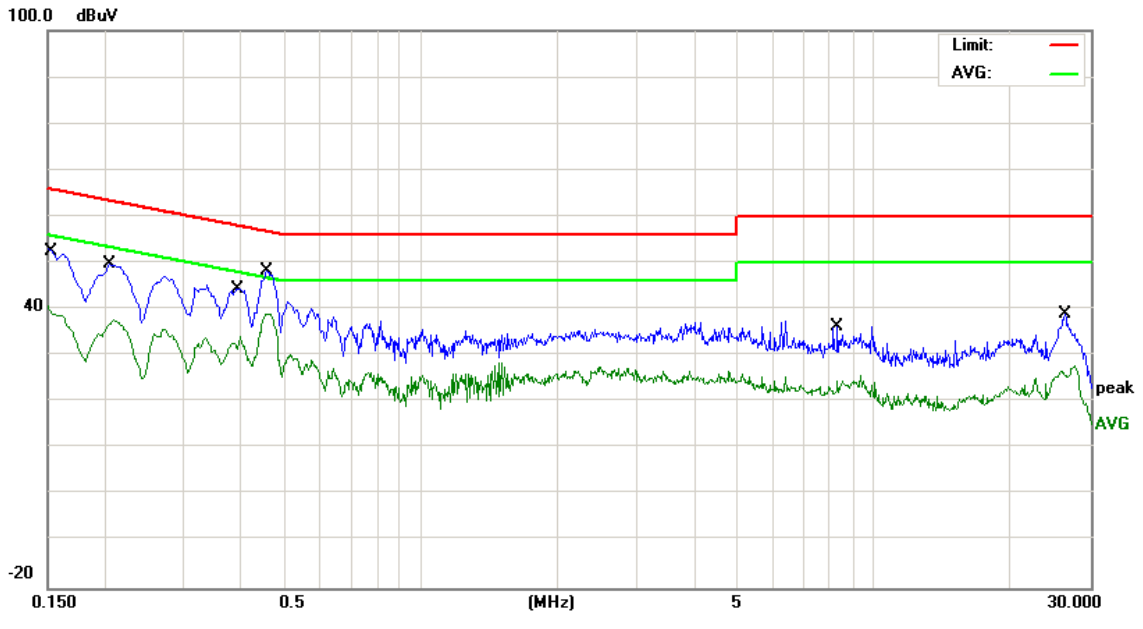
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.2G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1548	43.49	9.65	53.14	65.73	-12.59	QP
0.1548	29.21	9.65	38.86	55.73	-16.87	AVG
0.2060	39.97	9.63	49.60	63.36	-13.76	QP
0.2060	28.01	9.63	37.64	53.36	-15.72	AVG
0.3940	34.68	9.66	44.34	57.98	-13.64	QP
0.3940	24.56	9.66	34.22	47.98	-13.76	AVG
0.4580	38.51	9.66	48.17	56.73	-8.56	QP
0.4580	29.42	9.66	39.08	46.73	-7.65	AVG
8.2900	26.55	9.85	36.40	60.00	-23.60	QP
8.2900	14.67	9.85	24.52	50.00	-25.48	AVG
26.3380	28.64	10.22	38.86	60.00	-21.14	QP
26.3380	17.63	10.22	27.85	50.00	-22.15	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.

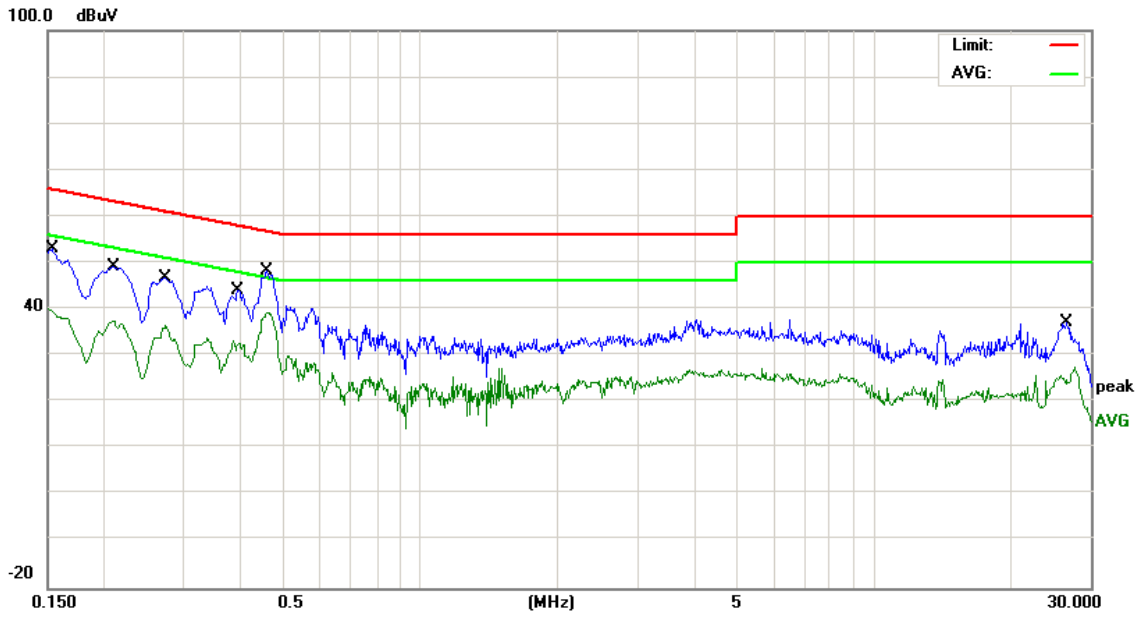
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.3G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	43.51	9.60	53.11	65.78	-12.67	QP
0.1539	30.59	9.60	40.19	55.78	-15.59	AVG
0.2100	39.39	9.62	49.01	63.20	-14.19	QP
0.2100	27.93	9.62	37.55	53.20	-15.65	AVG
0.2740	37.20	9.63	46.83	60.99	-14.16	QP
0.2740	26.81	9.63	36.44	50.99	-14.55	AVG
0.3940	34.51	9.65	44.16	57.98	-13.82	QP
0.3940	23.68	9.65	33.33	47.98	-14.65	AVG
0.4580	38.60	9.66	48.26	56.73	-8.47	QP
0.4580	29.63	9.66	39.29	46.73	-7.44	AVG
26.5860	26.81	10.32	37.13	60.00	-22.87	QP
26.5860	17.14	10.32	27.46	50.00	-22.54	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.

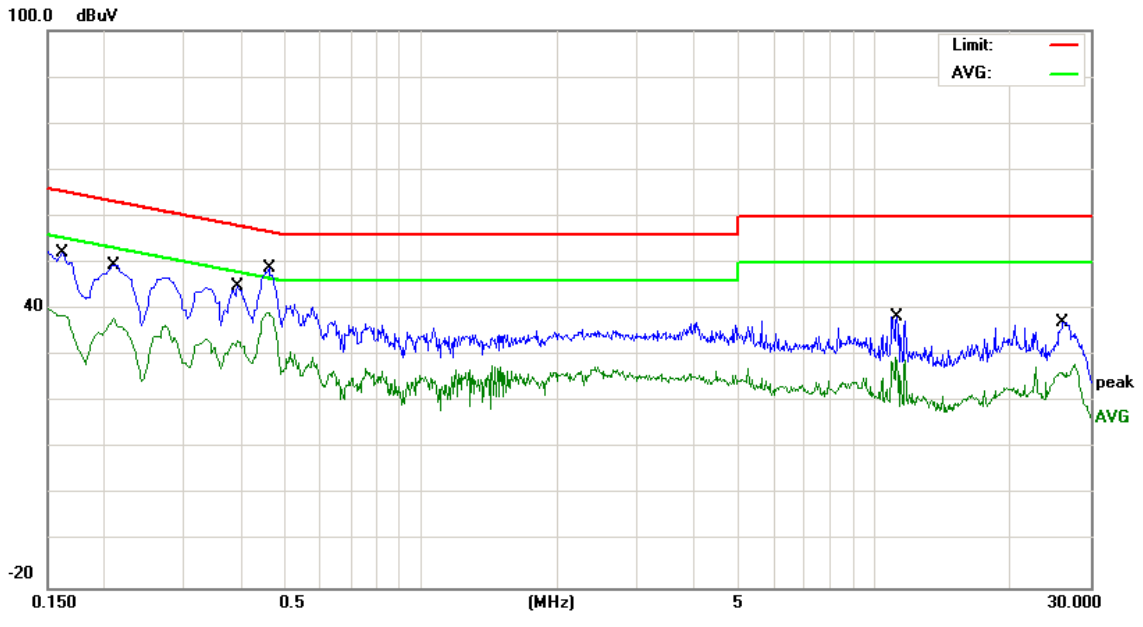
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.3G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	42.57	9.65	52.22	65.36	-13.14	QP
0.1620	29.09	9.65	38.74	55.36	-16.62	AVG
0.2100	39.96	9.63	49.59	63.20	-13.61	QP
0.2100	28.46	9.63	38.09	53.20	-15.11	AVG
0.3940	35.24	9.66	44.90	57.98	-13.08	QP
0.3940	23.46	9.66	33.12	47.98	-14.86	AVG
0.4620	39.10	9.66	48.76	56.66	-7.90	QP
0.4620	29.64	9.66	39.30	46.66	-7.36	AVG
11.2220	28.37	9.93	38.30	60.00	-21.70	QP
11.2220	19.66	9.93	29.59	50.00	-20.41	AVG
26.0180	26.92	10.22	37.14	60.00	-22.86	QP
26.0180	17.80	10.22	28.02	50.00	-21.98	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.

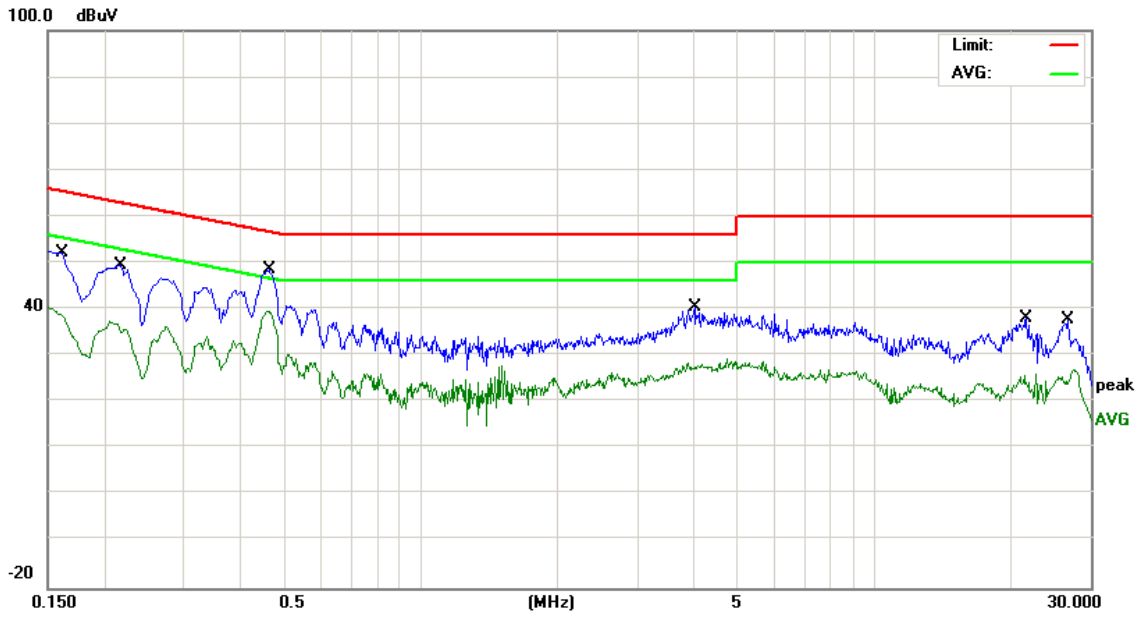
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.6G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	42.42	9.61	52.03	65.36	-13.33	QP
0.1620	29.12	9.61	38.73	55.36	-16.63	AVG
0.2180	39.85	9.62	49.47	62.89	-13.42	QP
0.2180	26.18	9.62	35.80	52.89	-17.09	AVG
0.4620	38.85	9.66	48.51	56.66	-8.15	QP
0.4620	29.92	9.66	39.58	46.66	-7.08	AVG
4.0260	30.81	9.75	40.56	56.00	-15.44	QP
4.0260	18.38	9.75	28.13	46.00	-17.87	AVG
21.6580	27.72	10.20	37.92	60.00	-22.08	QP
21.6580	15.69	10.20	25.89	50.00	-24.11	AVG
26.8140	27.53	10.33	37.86	60.00	-22.14	QP
26.8140	15.32	10.33	25.65	50.00	-24.35	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.

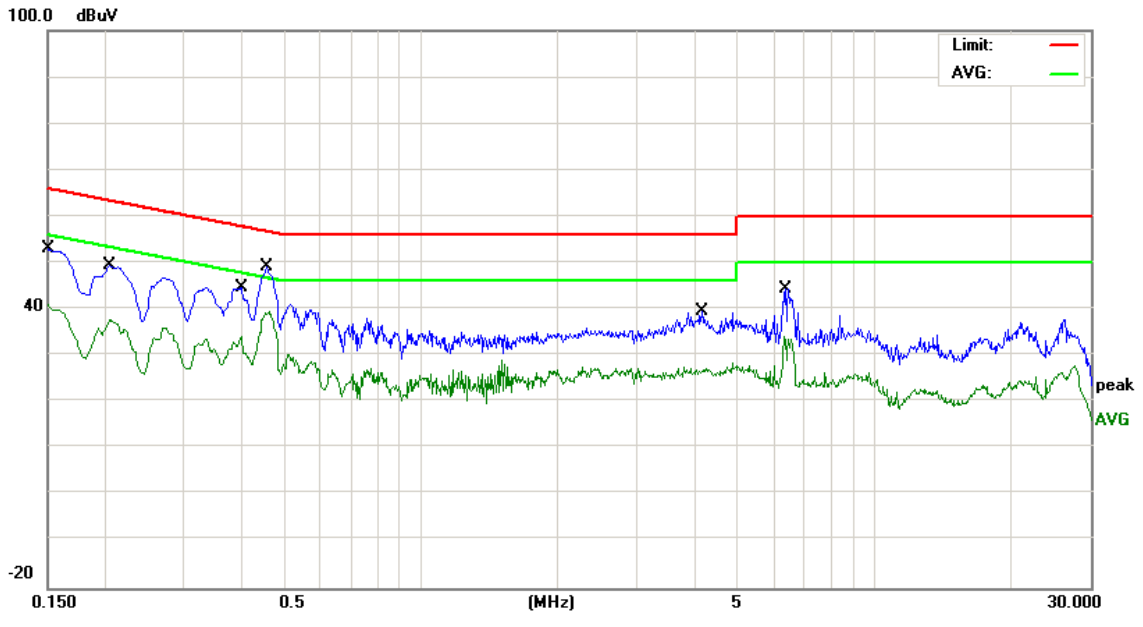
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.6G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1503	43.28	9.65	52.93	65.98	-13.05	QP
0.1503	30.22	9.65	39.87	55.98	-16.11	AVG
0.2060	39.74	9.63	49.37	63.36	-13.99	QP
0.2060	28.06	9.63	37.69	53.36	-15.67	AVG
0.4020	34.97	9.67	44.64	57.81	-13.17	QP
0.4020	24.42	9.67	34.09	47.81	-13.72	AVG
0.4580	39.35	9.66	49.01	56.73	-7.72	QP
0.4580	29.93	9.66	39.59	46.73	-7.14	AVG
4.1698	29.77	9.73	39.50	56.00	-16.50	QP
4.1698	17.55	9.73	27.28	46.00	-18.72	AVG
6.3540	34.60	9.80	44.40	60.00	-15.60	QP
6.3540	24.47	9.80	34.27	50.00	-15.73	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.

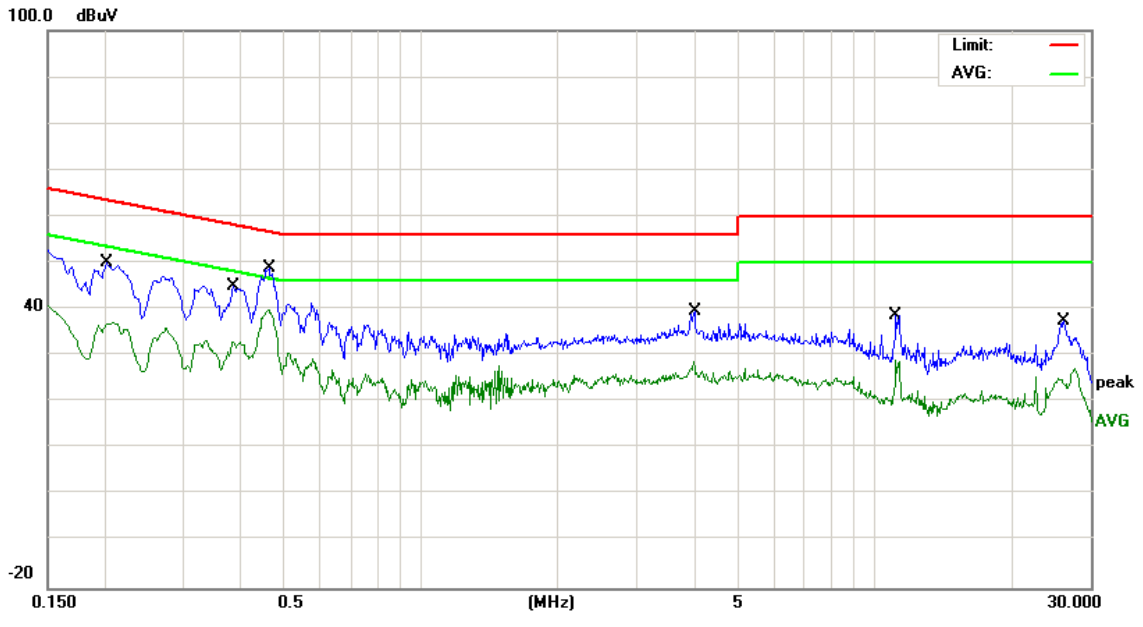
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2020	40.35	9.61	49.96	63.52	-13.56	QP
0.2020	27.42	9.61	37.03	53.52	-16.49	AVG
0.3860	35.19	9.65	44.84	58.15	-13.31	QP
0.3860	23.32	9.65	32.97	48.15	-15.18	AVG
0.4620	39.12	9.66	48.78	56.66	-7.88	QP
0.4620	30.26	9.66	39.92	46.66	-6.74	AVG
4.0100	29.77	9.75	39.52	56.00	-16.48	QP
4.0100	18.95	9.75	28.70	46.00	-17.30	AVG
11.1540	28.77	9.96	38.73	60.00	-21.27	QP
11.1540	18.97	9.96	28.93	50.00	-21.07	AVG
26.2420	27.15	10.31	37.46	60.00	-22.54	QP
26.2420	15.56	10.31	25.87	50.00	-24.13	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.

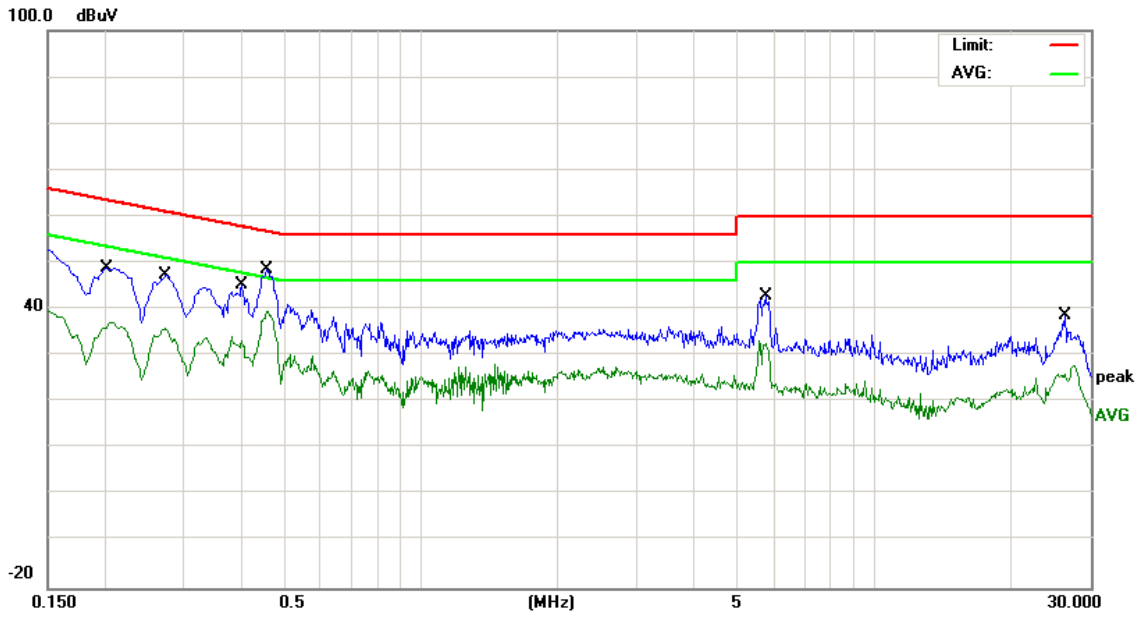
EUT：	C6x	Model Name ：	C6x
Temperature：	26 ℃	Relative Humidity：	54%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 24V from PoE (AC 120V / 60Hz)	Test Mode：	Mode 2

25dBi Antenna
5.8G 802.11ax20 Mid CH

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2020	39.33	9.62	48.95	63.52	-14.57	QP
0.2020	27.68	9.62	37.30	53.52	-16.22	AVG
0.2740	37.71	9.63	47.34	60.99	-13.65	QP
0.2740	26.18	9.63	35.81	50.99	-15.18	AVG
0.4020	35.47	9.67	45.14	57.81	-12.67	QP
0.4020	23.45	9.67	33.12	47.81	-14.69	AVG
0.4580	39.01	9.66	48.67	56.73	-8.06	QP
0.4580	29.90	9.66	39.56	46.73	-7.17	AVG
5.7740	33.12	9.78	42.90	60.00	-17.10	QP
5.7740	23.48	9.78	33.26	50.00	-16.74	AVG
26.3540	28.47	10.22	38.69	60.00	-21.31	QP
26.3540	17.53	10.22	27.75	50.00	-22.25	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);

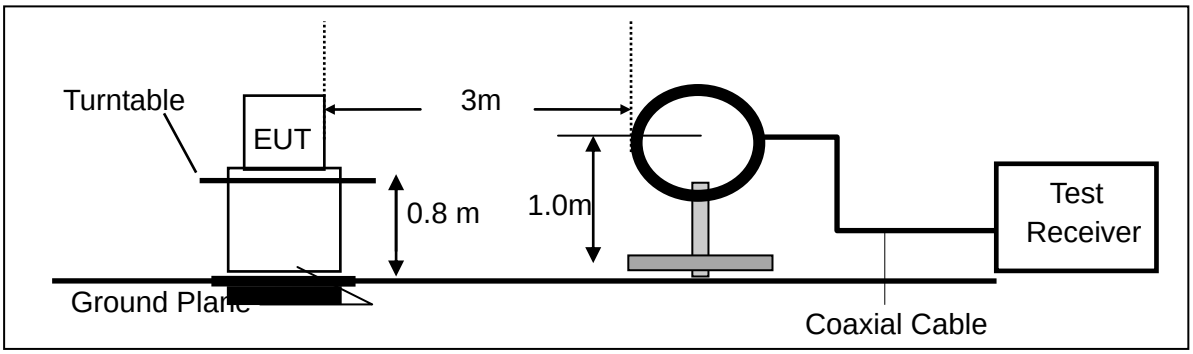
Limit line=Specific limits(dBuV) + distance extrapolation factor.

3.2.3 MEASURING INSTRUMENTS

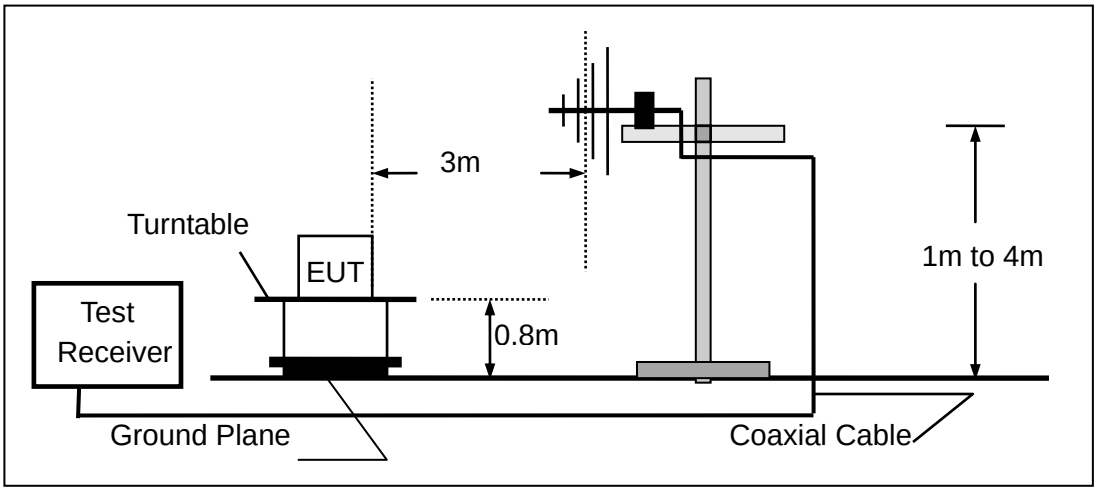
The Measuring equipment is listed in the section 6.3 of this test report.

3.2.4 TEST CONFIGURATION

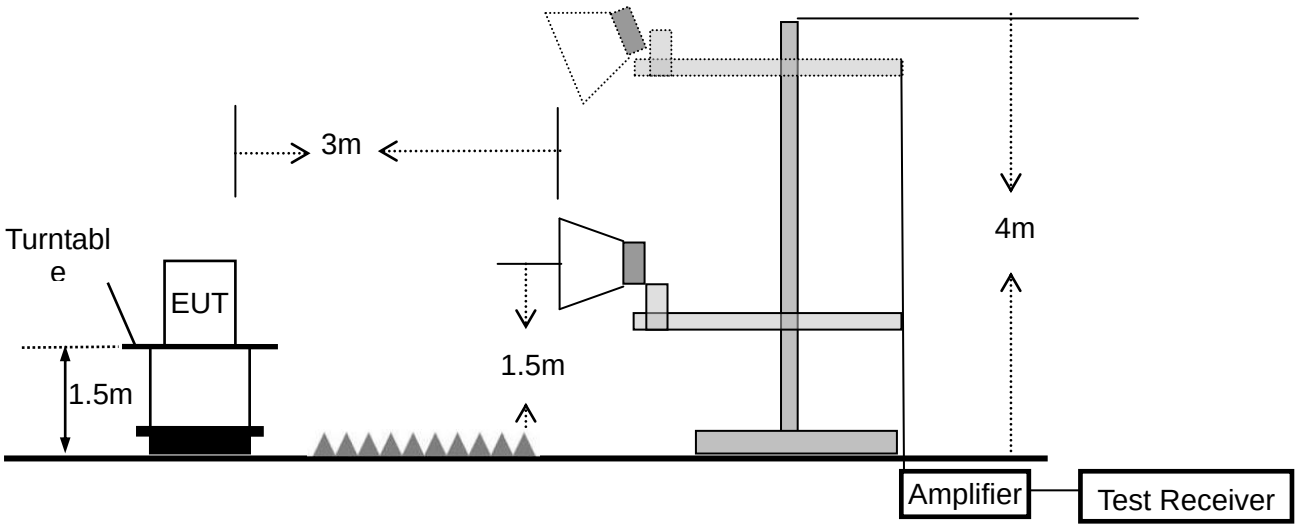
(a) For radiated emissions below 30MHz



(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 / 3 MHz for Peak, 1 MHz / 10Hz 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	3 MHz
	Average	1 MHz	10 Hz

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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
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)

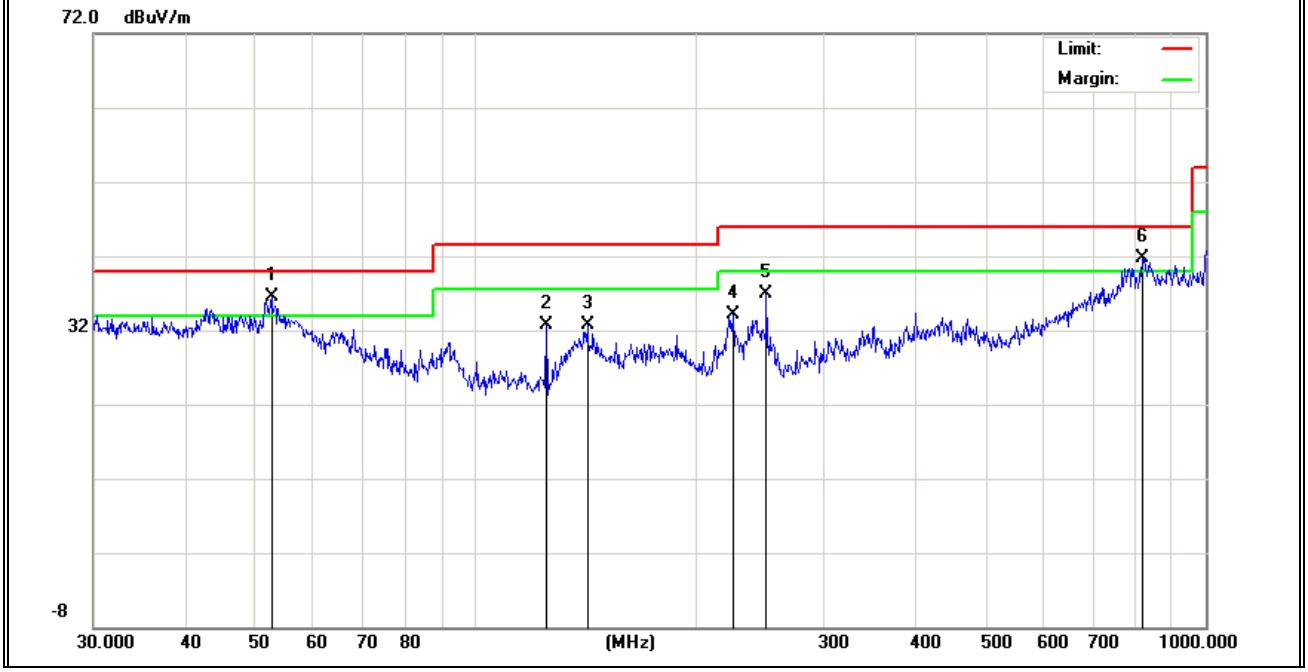
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.2G 802.11ax20 Mid CH)		

8dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	52.5753	23.02	13.40	36.42	40.00	-3.58	QP
V	125.0066	13.90	18.74	32.64	43.50	-10.86	QP
V	142.3243	14.39	18.28	32.67	43.50	-10.83	QP
V	225.3079	16.82	17.26	34.08	46.00	-11.92	QP
V	250.3012	17.98	18.94	36.92	46.00	-9.08	QP
V	818.8341	12.15	29.55	41.70	46.00	-4.30	QP

Remark:

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

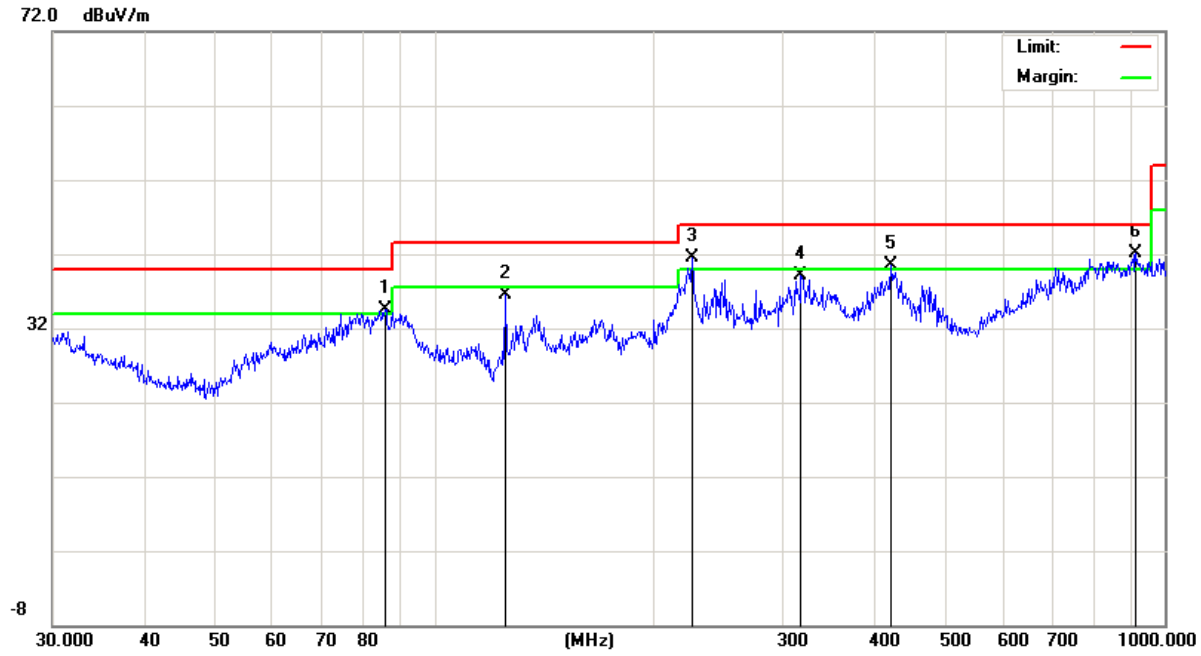


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	85.5977	18.44	16.13	34.57	40.00	-5.43	QP
H	125.0066	17.75	18.74	36.49	43.50	-7.01	QP
H	225.3080	24.33	17.26	41.59	46.00	-4.41	QP
H	317.7010	18.63	20.48	39.11	46.00	-6.89	QP
H	422.0577	16.62	23.84	40.46	46.00	-5.54	QP
H	912.8619	11.50	30.60	42.10	46.00	-3.90	QP

Remark:

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



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

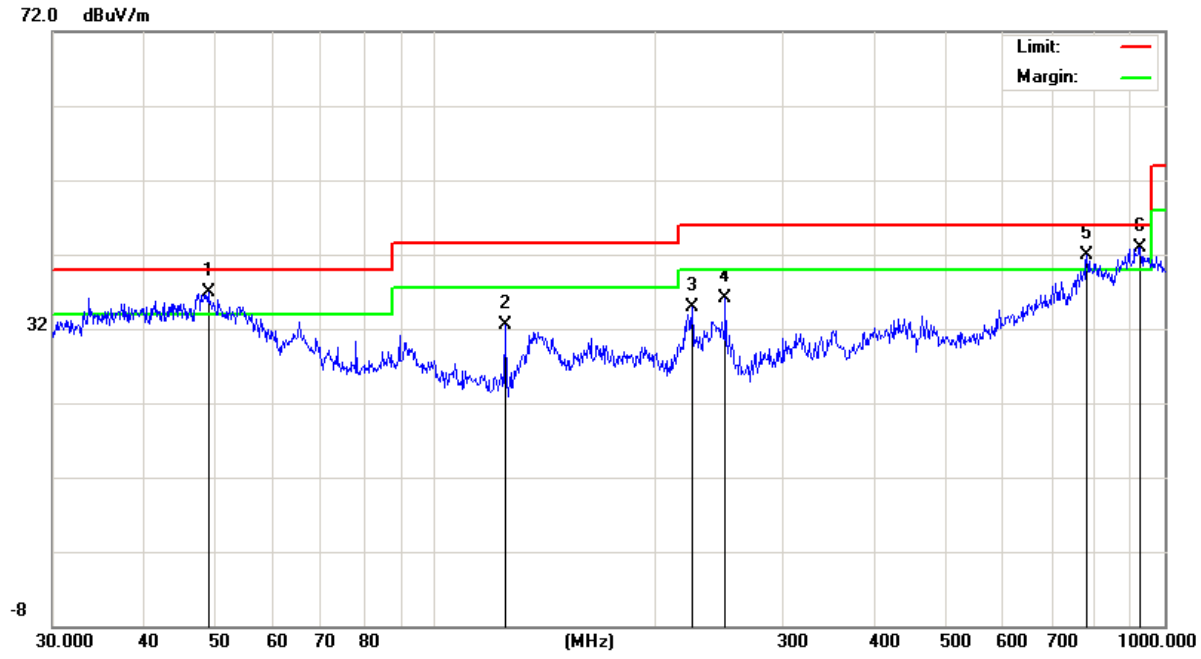
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.3G 802.11ax20 Mid CH)		

8dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	49.0145	21.73	15.27	37.00	40.00	-3.00	QP
V	125.0066	13.68	18.74	32.42	43.50	-11.08	QP
V	225.3079	17.67	17.26	34.93	46.00	-11.07	QP
V	250.3011	17.09	18.94	36.03	46.00	-9.97	QP
V	782.3453	12.57	29.28	41.85	46.00	-4.15	QP
V	925.7563	12.41	30.51	42.92	46.00	-3.08	QP

Remark:

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

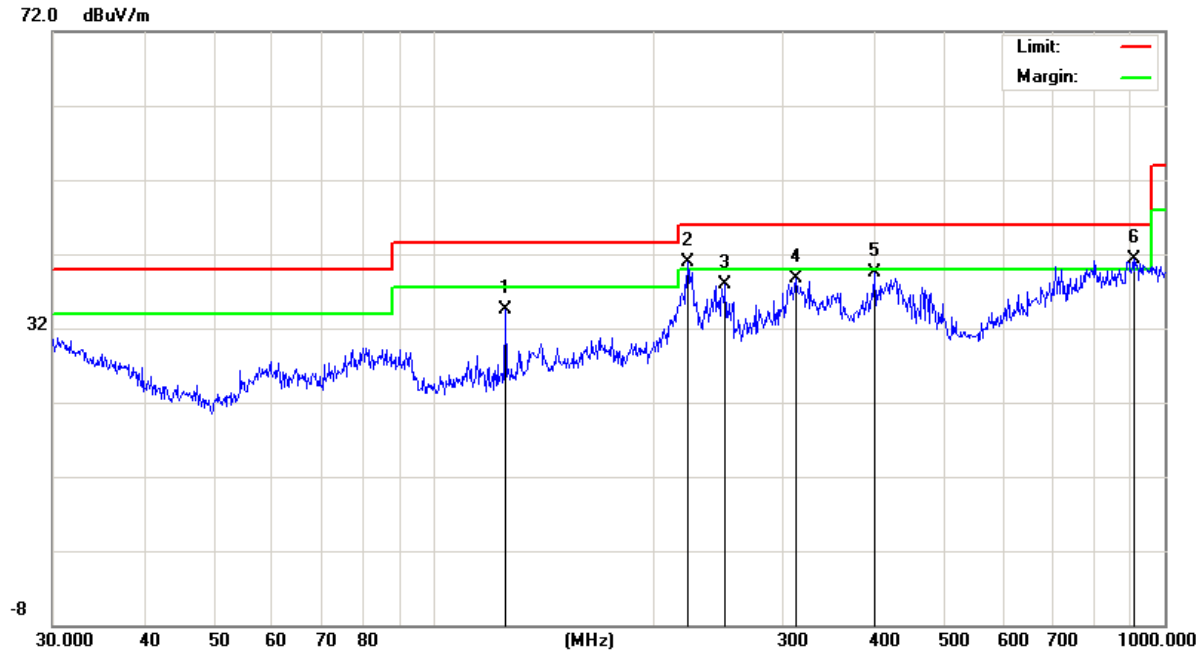


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	125.0066	15.75	18.74	34.49	43.50	-9.01	QP
H	222.1698	23.76	17.20	40.96	46.00	-5.04	QP
H	250.3011	18.89	18.94	37.83	46.00	-8.17	QP
H	312.1792	18.36	20.29	38.65	46.00	-7.35	QP
H	400.4319	16.11	23.30	39.41	46.00	-6.59	QP
H	906.4823	11.04	30.36	41.40	46.00	-4.60	QP

Remark:

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



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

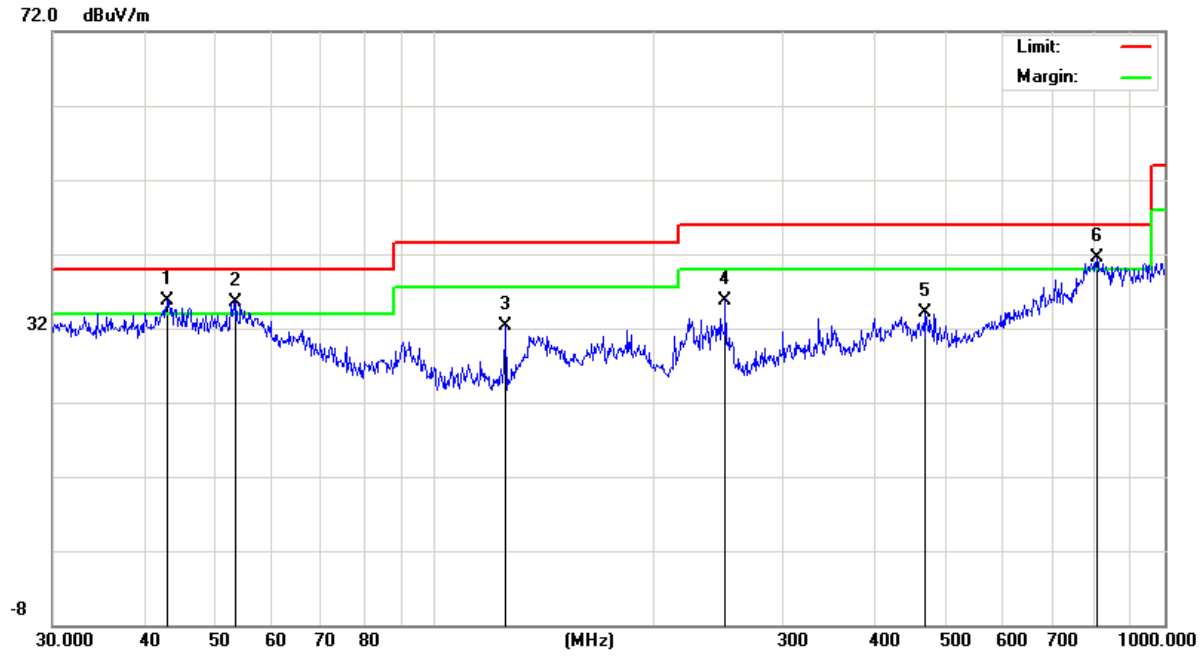
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.6G 802.11ax20 Mid CH)		

8dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	43.0504	17.08	18.64	35.72	40.00	-4.28	QP
V	53.5052	22.49	13.04	35.53	40.00	-4.47	QP
V	125.0066	13.59	18.74	32.33	43.50	-11.17	QP
V	250.3012	16.86	18.94	35.80	46.00	-10.20	QP
V	470.5231	9.96	24.11	34.07	46.00	-11.93	QP
V	807.4291	11.86	29.62	41.48	46.00	-4.52	QP

Remark:

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

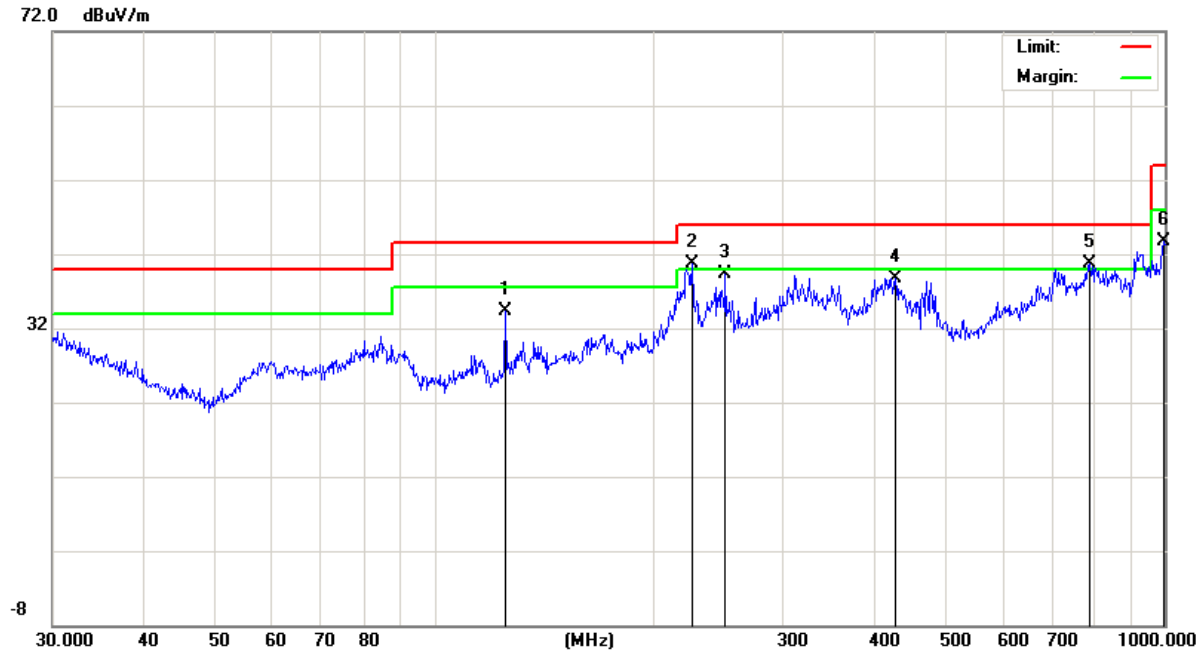


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	125.0066	15.58	18.74	34.32	43.50	-9.18	QP
H	225.3080	23.42	17.26	40.68	46.00	-5.32	QP
H	250.3011	20.27	18.94	39.21	46.00	-6.79	QP
H	428.0193	14.77	24.03	38.80	46.00	-7.20	QP
H	787.8513	11.22	29.40	40.62	46.00	-5.38	QP
H	996.4996	11.92	31.79	43.71	54.00	-10.29	QP

Remark:

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



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

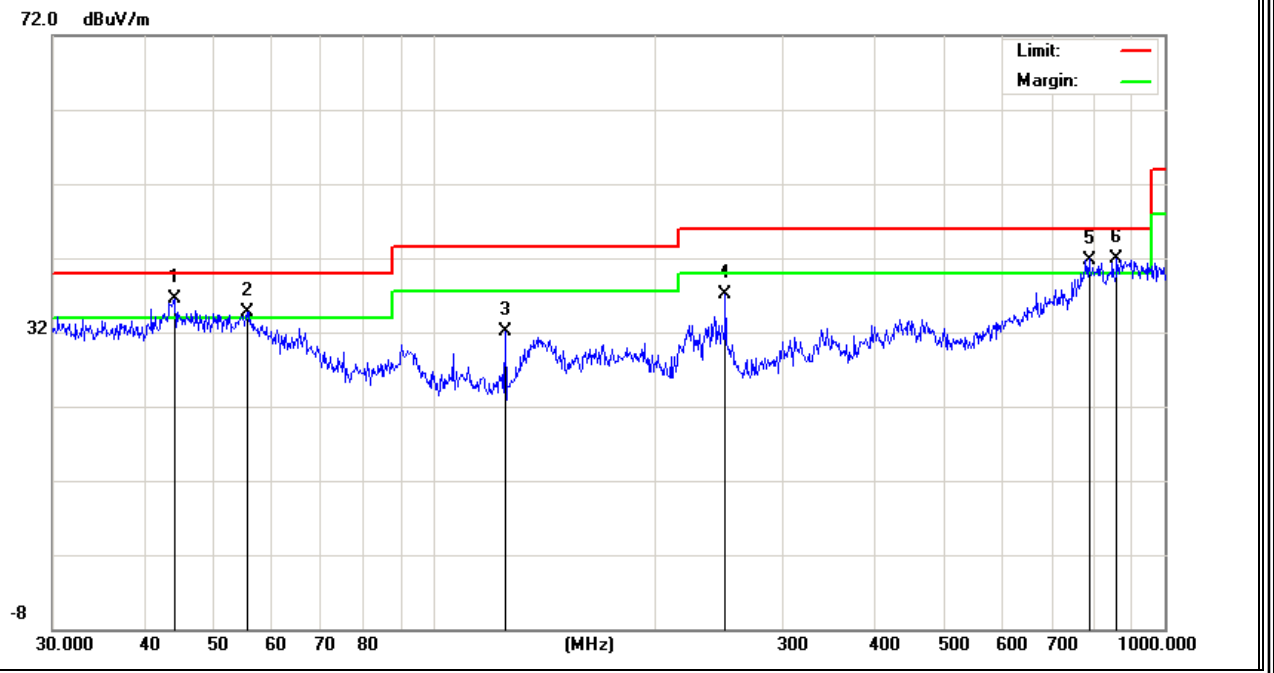
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.8G 802.11ax20 Mid CH)		

8dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	44.1202	18.20	18.29	36.49	40.00	-3.51	QP
V	55.4147	21.88	12.78	34.66	40.00	-5.34	QP
V	125.0066	13.43	18.74	32.17	43.50	-11.33	QP
V	250.3012	18.21	18.94	37.15	46.00	-8.85	QP
V	787.8513	12.40	29.40	41.80	46.00	-4.20	QP
V	860.0352	11.52	30.38	41.90	46.00	-4.10	QP

Remark:

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

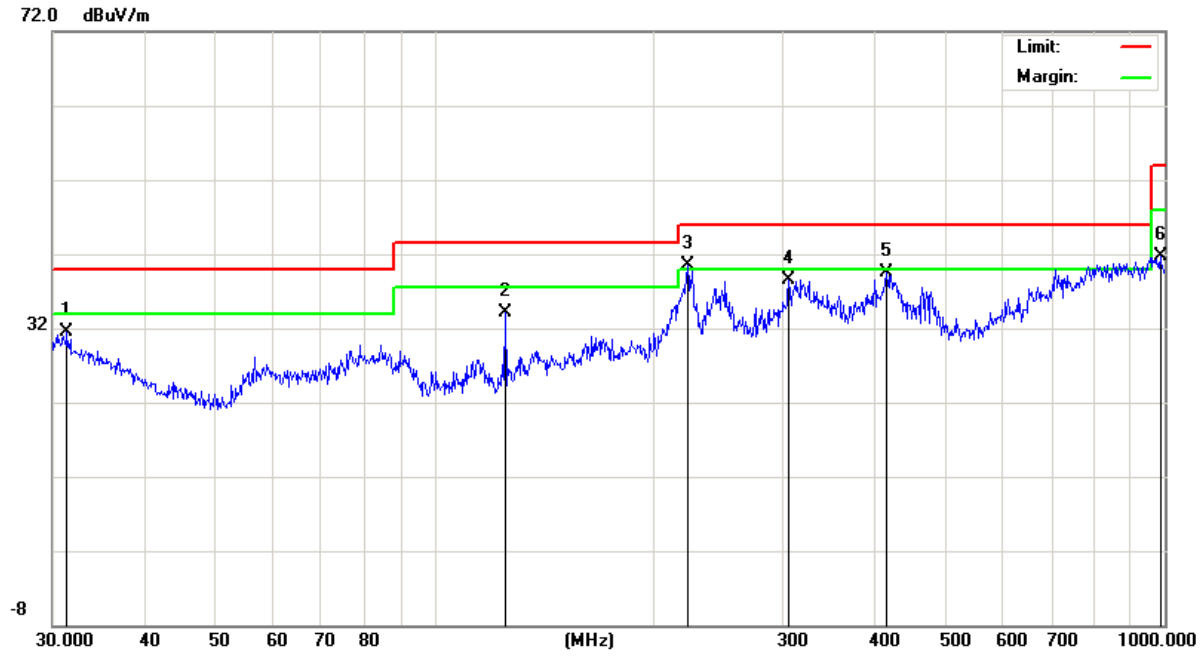


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	31.3992	6.12	25.35	31.47	40.00	-8.53	QP
H	125.0066	15.40	18.74	34.14	43.50	-9.36	QP
H	222.1698	23.36	17.20	40.56	46.00	-5.44	QP
H	305.6800	18.09	20.45	38.54	46.00	-7.46	QP
H	416.1791	15.84	23.71	39.55	46.00	-6.45	QP
H	986.0717	10.26	31.44	41.70	54.00	-12.30	QP

Remark:

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



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

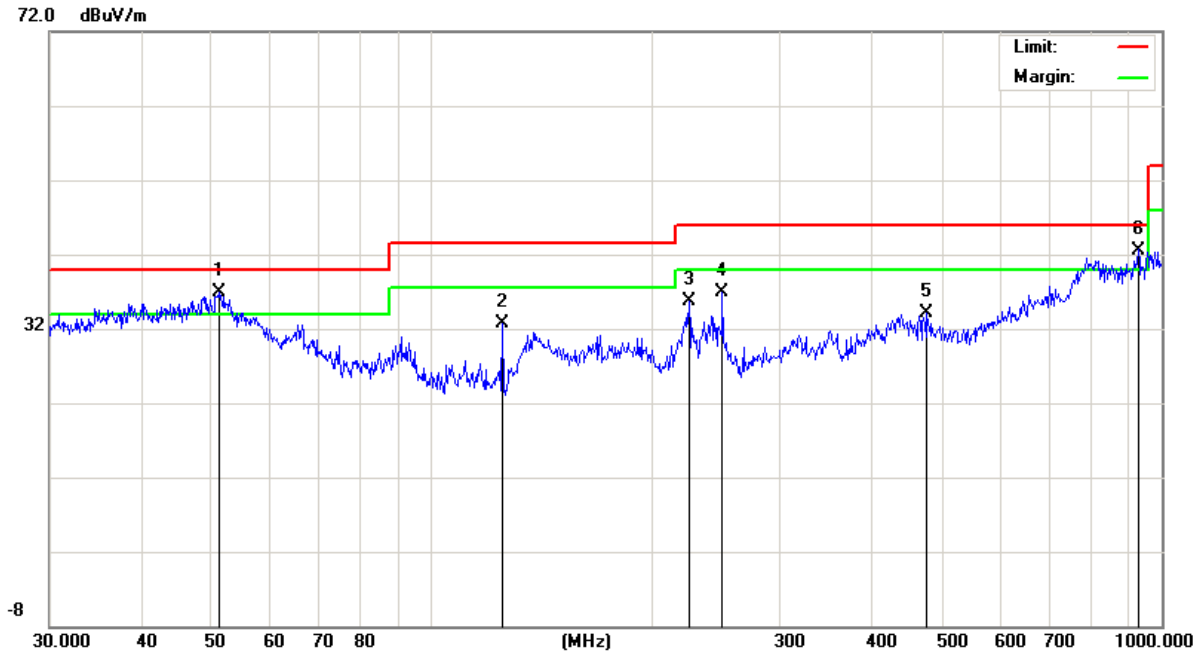
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.2G 802.11ax20 Mid CH)		

25dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	51.1209	22.43	14.56	36.99	40.00	-3.01	QP
V	125.0066	14.02	18.74	32.76	43.50	-10.74	QP
V	225.3080	18.40	17.26	35.66	46.00	-10.34	QP
V	250.3012	17.95	18.94	36.89	46.00	-9.11	QP
V	477.1693	9.70	24.44	34.14	46.00	-11.86	QP
V	929.0081	11.83	30.77	42.60	46.00	-3.40	QP

Remark:

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

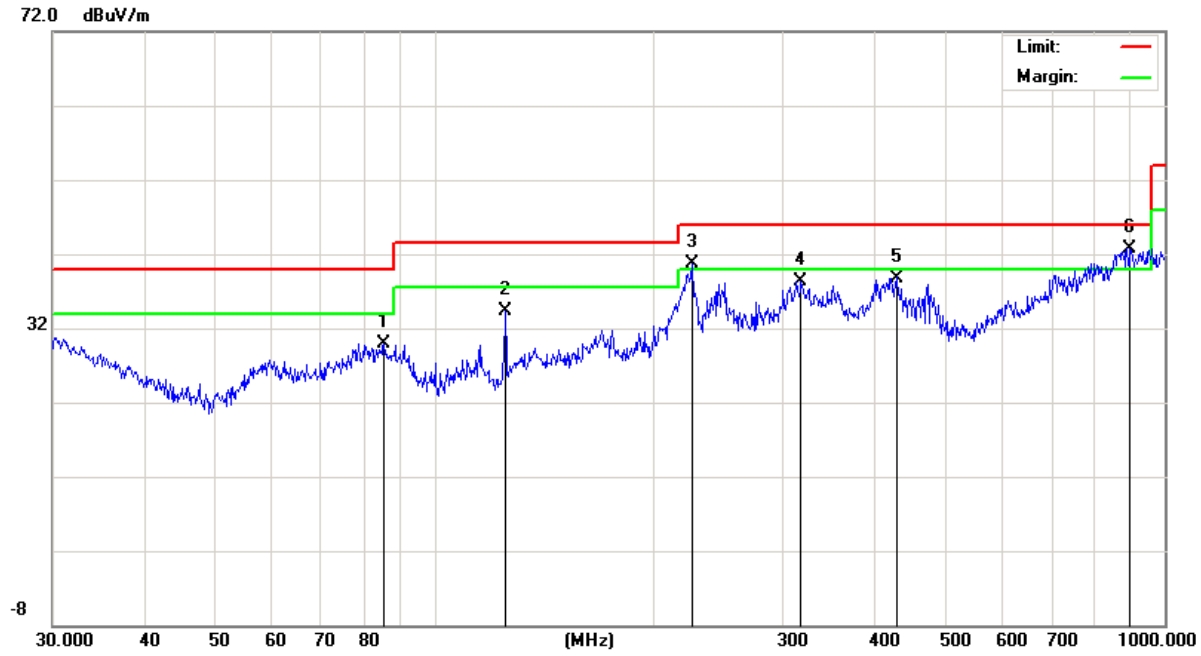


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	85.2980	13.64	16.28	29.92	40.00	-10.08	QP
H	125.0066	15.59	18.74	34.33	43.50	-9.17	QP
H	225.3080	23.46	17.26	40.72	46.00	-5.28	QP
H	317.7010	17.89	20.48	38.37	46.00	-7.63	QP
H	429.5228	14.77	24.03	38.80	46.00	-7.20	QP
H	896.9964	12.46	30.34	42.80	46.00	-3.20	QP

Remark:

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



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

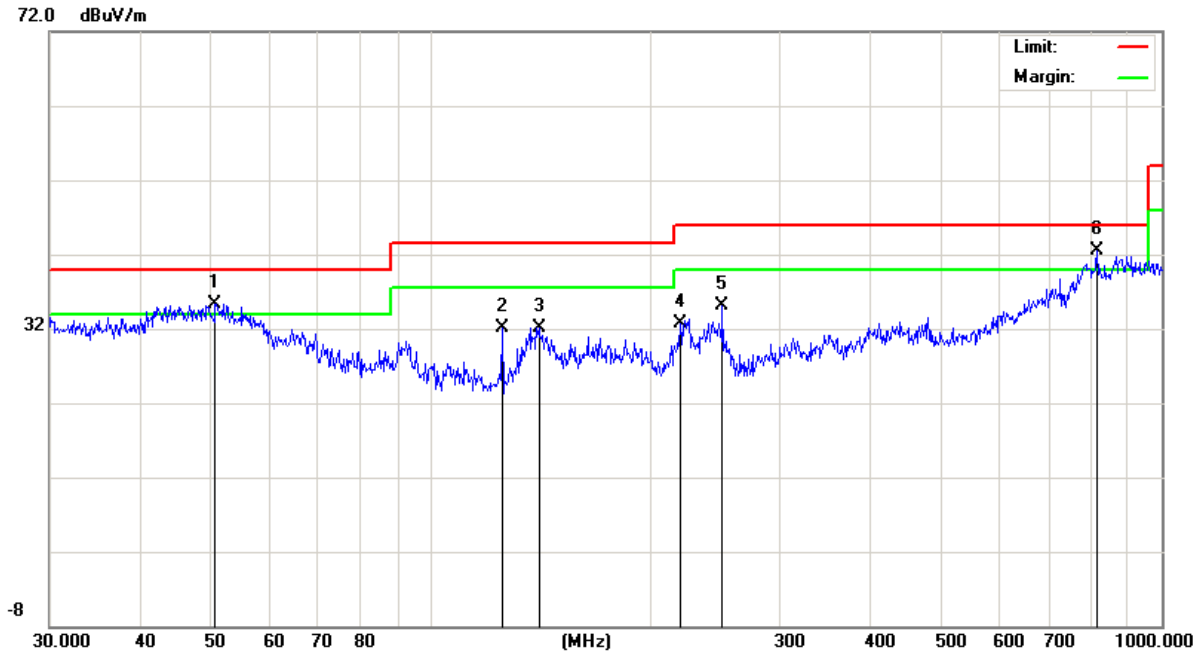
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.3G 802.11ax20 Mid CH)		

25dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	50.5859	20.47	14.93	35.40	40.00	-4.60	QP
V	125.0066	13.42	18.74	32.16	43.50	-11.34	QP
V	140.3421	13.35	18.81	32.16	43.50	-11.34	QP
V	219.0753	15.63	17.11	32.74	46.00	-13.26	QP
V	250.3012	16.24	18.94	35.18	46.00	-10.82	QP
V	815.9678	12.86	29.61	42.47	46.00	-3.53	QP

Remark:

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

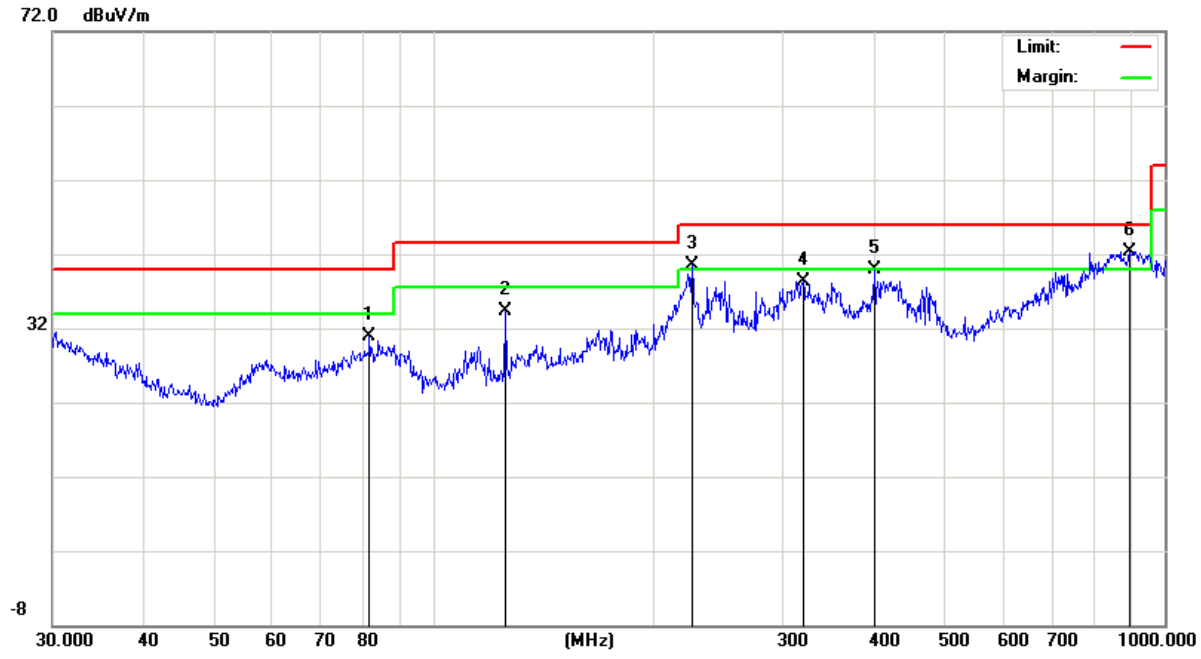


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	81.4970	15.21	15.61	30.82	40.00	-9.18	QP
H	125.0066	15.56	18.74	34.30	43.50	-9.20	QP
H	225.3080	23.18	17.26	40.44	46.00	-5.56	QP
H	319.9370	17.98	20.35	38.33	46.00	-7.67	QP
H	400.4319	16.56	23.30	39.86	46.00	-6.14	QP
H	893.8567	11.99	30.41	42.40	46.00	-3.60	QP

Remark:

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



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

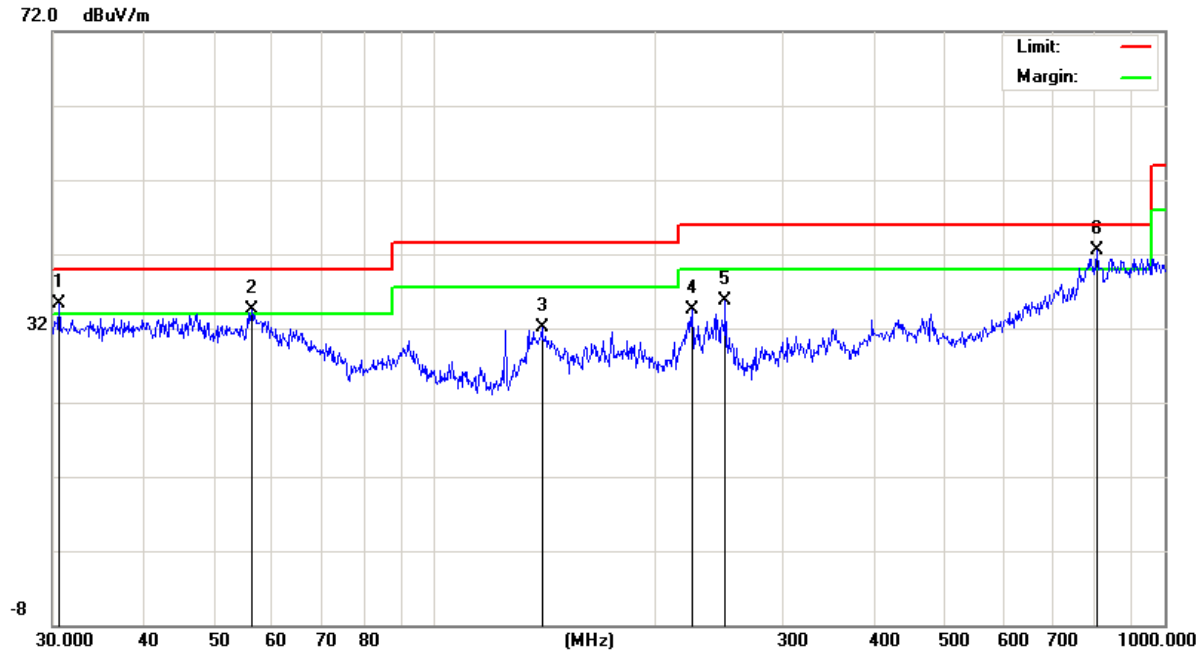
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.6G 802.11ax20 Mid CH)		

25dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	30.6378	9.53	25.82	35.35	40.00	-4.65	QP
V	56.1974	21.94	12.54	34.48	40.00	-5.52	QP
V	140.3421	13.28	18.81	32.09	43.50	-11.41	QP
V	225.3079	17.34	17.26	34.60	46.00	-11.40	QP
V	250.3012	16.84	18.94	35.78	46.00	-10.22	QP
V	807.4291	12.95	29.62	42.57	46.00	-3.43	QP

Remark:

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

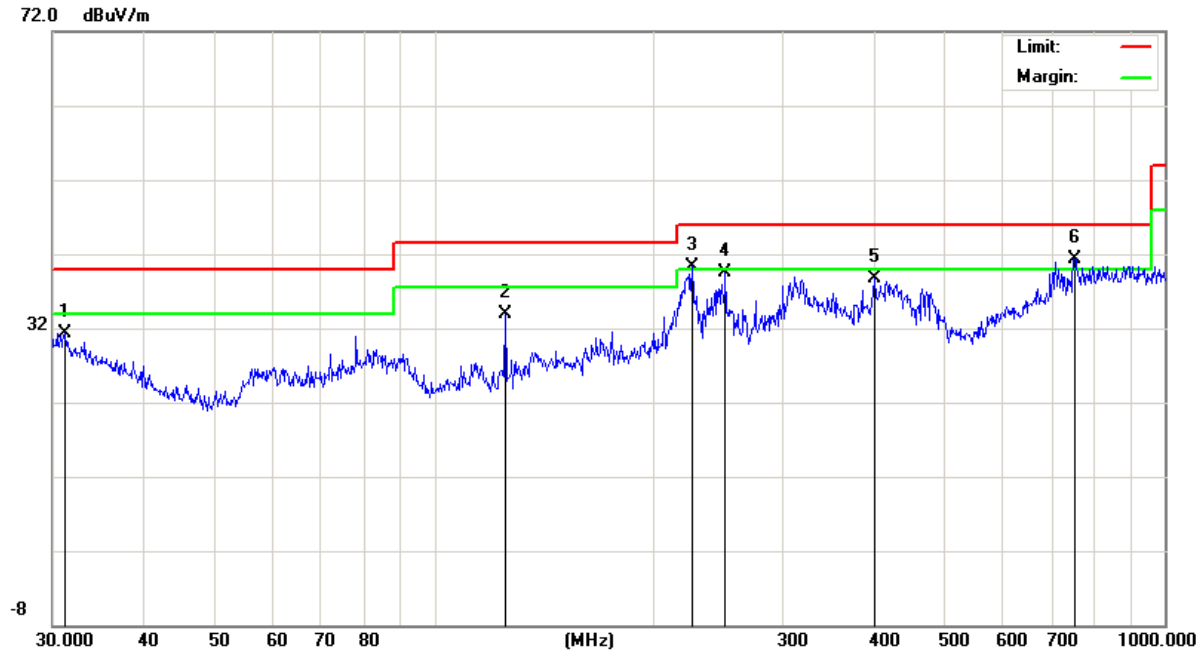


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	31.1798	5.75	25.61	31.36	40.00	-8.64	QP
H	125.0066	15.15	18.74	33.89	43.50	-9.61	QP
H	225.3080	22.98	17.26	40.24	46.00	-5.76	QP
H	250.3012	20.56	18.94	39.50	46.00	-6.50	QP
H	400.4319	15.32	23.30	38.62	46.00	-7.38	QP
H	750.1083	12.54	28.86	41.40	46.00	-4.60	QP

Remark:

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



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

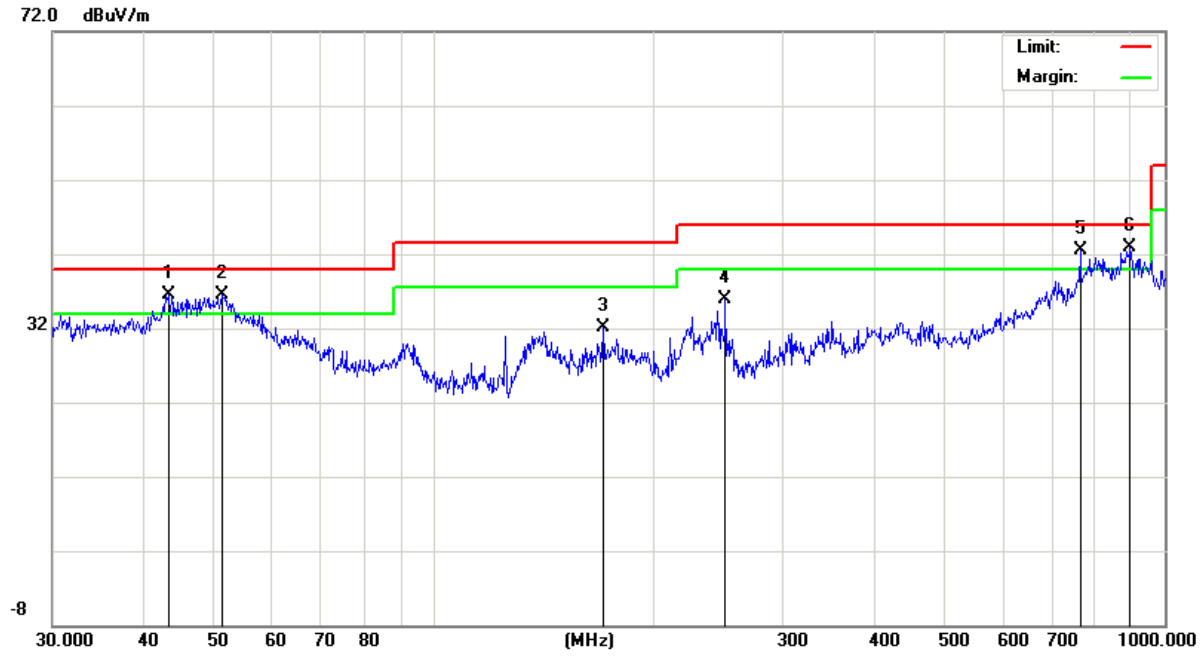
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2 (5.8G 802.11ax20 Mid CH)		

25dBi Antenna

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	43.2017	17.90	18.60	36.50	40.00	-3.50	QP
V	51.3004	22.10	14.39	36.49	40.00	-3.51	QP
V	170.1947	14.62	17.52	32.14	43.50	-11.36	QP
V	250.3012	16.90	18.94	35.84	46.00	-10.16	QP
V	766.0571	13.56	29.01	42.57	46.00	-3.43	QP
V	896.9965	12.57	30.34	42.91	46.00	-3.09	QP

Remark:

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

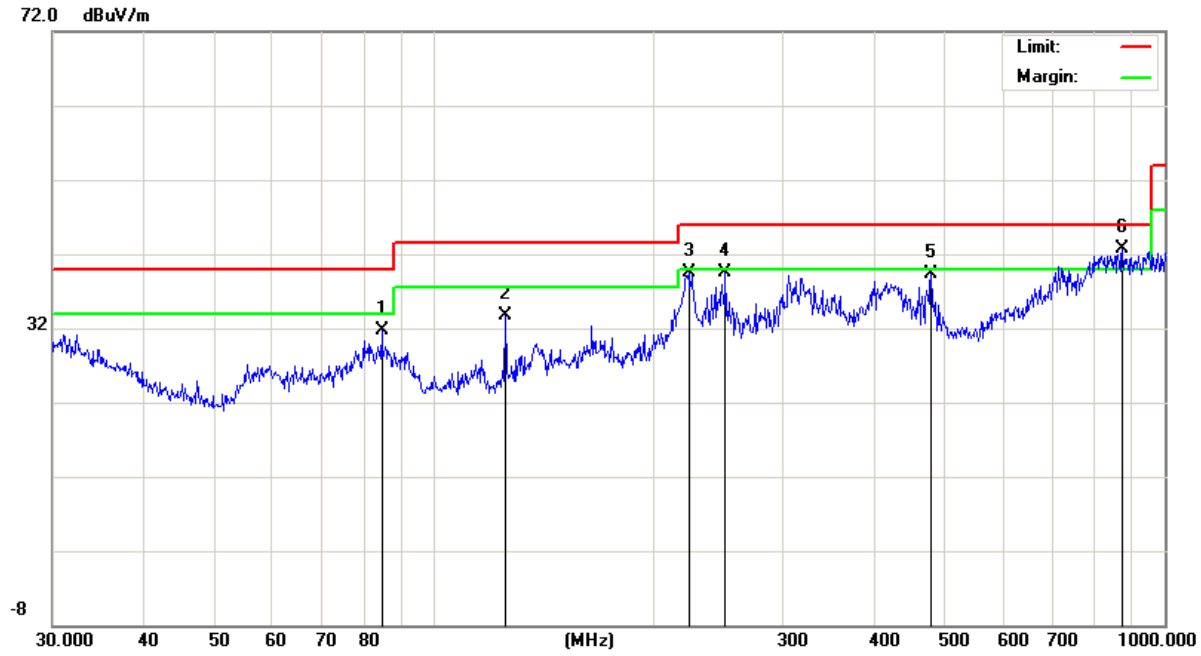


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	84.7018	15.35	16.36	31.71	40.00	-8.29	QP
H	125.0066	14.93	18.74	33.67	43.50	-9.83	QP
H	222.9502	22.36	17.22	39.58	46.00	-6.42	QP
H	250.3011	20.56	18.94	39.50	46.00	-6.50	QP
H	478.8456	14.86	24.54	39.40	46.00	-6.60	QP
H	875.2470	12.34	30.39	42.73	46.00	-3.27	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

8dBi Antenna

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	53.59	5.94	35.4	44	50.93	68.2	-17.27	Pk
Vertical	10360	54.66	8.46	39.75	44.5	58.37	68.2	-9.83	Pk
Vertical	15540	58.19	10.12	38.8	44.1	63.01	74	-10.99	Pk
Vertical	15540	35.87	10.12	38.8	42.7	42.09	54	-11.91	AV
Horizontal	2981	57.27	5.94	35.18	44	54.39	68.2	-13.81	Pk
Horizontal	10360	49.21	8.46	38.71	44.5	51.88	68.2	-16.32	Pk
Horizontal	15540	54.65	10.12	38.38	44.1	59.05	74	-14.95	Pk
Horizontal	15540	37.26	10.12	38.38	44.1	41.66	54	-12.34	AV
middle Channel (5200 MHz)-Above 1G									
Vertical	3561	52.96	6.48	36.35	44.05	51.74	68.2	-16.46	Pk
Vertical	10400	56.47	8.47	37.88	44.51	58.31	68.2	-9.89	Pk
Vertical	15600	53.37	10.12	38.8	44.1	58.19	74	-15.81	Pk
Vertical	15600	36.59	10.12	38.8	42.7	42.81	54	-11.19	AV
Horizontal	3363	53.59	6.48	36.37	44.05	52.39	68.2	-15.81	Pk
Horizontal	10400	52.47	8.47	38.64	44.5	55.08	68.2	-13.12	Pk
Horizontal	15600	58.84	10.12	38.38	44.1	63.24	74	-10.76	Pk
Horizontal	15600	41.71	10.12	38.38	44.1	46.11	54	-7.89	AV

High Channel (5240 MHz)-Above 1G									
Vertical	3926	61.33	7.1	37.24	43.5	62.17	74	-11.83	Pk
Vertical	3926	42.59	7.1	37.24	43.5	43.43	54	-10.57	AV
Vertical	10480	57.05	8.46	37.68	44.5	58.69	68.2	-9.51	Pk
Vertical	15720	54.89	10.12	38.8	44.1	59.71	74	-14.29	Pk
Vertical	15720	34.13	10.12	38.8	42.7	40.35	54	-13.65	AV
Horizontal	3885	63.66	7.1	37.24	43.5	64.50	74	-9.50	Pk
Horizontal	3885	38.84	7.1	37.24	43.5	39.68	54	-14.32	AV
Horizontal	10480	48.61	8.46	38.57	44.5	51.14	68.2	-17.06	Pk
Horizontal	15720	57.16	10.12	38.38	44.1	61.56	74	-12.44	Pk
Horizontal	15720	38.25	10.12	38.38	44.1	42.65	54	-11.35	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

8dBi Antenna

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	56.45	5.94	35.4	44	53.79	68.2	-14.41	Pk
Vertical	10520	52.78	8.46	39.75	44.5	56.49	68.2	-11.71	Pk
Vertical	15780	59.56	10.12	38.8	44.1	64.38	74	-9.62	Pk
Vertical	15780	40.47	10.12	38.8	42.7	46.69	54	-7.31	AV
Horizontal	2981	55.66	5.94	35.18	44	52.78	68.2	-15.42	Pk
Horizontal	10520	48.29	8.46	38.71	44.5	50.96	68.2	-17.24	Pk
Horizontal	15780	52.64	10.12	38.38	44.1	57.04	74	-16.96	Pk
Horizontal	15780	39.89	10.12	38.38	44.1	44.29	54	-9.71	AV
middle Channel (5280 MHz)-Above 1G									
Vertical	3561	55.01	6.48	36.35	44.05	53.79	68.2	-14.41	Pk
Vertical	10560	52.39	8.47	37.88	44.51	54.23	68.2	-13.97	Pk
Vertical	15840	56.69	10.12	38.8	44.1	61.51	74	-12.49	Pk
Vertical	15840	38.84	10.12	38.8	42.7	45.06	54	-8.94	AV
Horizontal	3363	52.75	6.48	36.37	44.05	51.55	68.2	-16.65	Pk
Horizontal	10560	50.05	8.47	38.64	44.5	52.66	68.2	-15.54	Pk
Horizontal	15840	59.37	10.12	38.38	44.1	63.77	74	-10.23	Pk
Horizontal	15840	41.43	10.12	38.38	44.1	45.83	54	-8.17	AV

High Channel (5320 MHz)-Above 1G									
Vertical	3926	60.63	7.1	37.24	43.5	61.47	74	-12.53	Pk
Vertical	3926	41.02	7.1	37.24	43.5	41.86	54	-12.14	AV
Vertical	10640	61.46	8.46	37.68	44.5	63.10	68.2	-5.10	Pk
Vertical	15960	54.61	10.12	38.8	44.1	59.43	74	-14.57	Pk
Vertical	15960	35.16	10.12	38.8	42.7	41.38	54	-12.62	AV
Horizontal	3885	60.81	7.1	37.24	43.5	61.65	74	-12.35	Pk
Horizontal	3885	41.04	7.1	37.24	43.5	41.88	54	-12.12	AV
Horizontal	10640	51.86	8.46	38.57	44.5	54.39	68.2	-13.81	Pk
Horizontal	15960	61.40	10.12	38.38	44.1	65.80	74	-8.20	Pk
Horizontal	15960	37.03	10.12	38.38	44.1	41.43	54	-12.57	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

8dBi Antenna

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	54.22	5.94	35.4	44	51.56	68.2	-16.64	Pk
Vertical	11000	62.72	8.46	39.75	44.5	66.43	74	-7.57	Pk
Vertical	11000	38.96	8.46	39.75	44.5	42.67	54	-11.33	AV
Vertical	16500	52.42	10.12	38.8	44.1	57.24	68.2	-10.96	Pk
Horizontal	2981	55.25	5.94	35.18	44	52.37	68.2	-15.83	Pk
Horizontal	11000	49.99	8.46	38.71	44.5	52.66	74	-21.34	Pk
Horizontal	11000	38.70	8.46	38.71	44.5	41.37	54	-12.63	AV
Horizontal	16500	47.00	10.12	38.38	44.1	51.40	68.2	-16.80	Pk
middle Channel (5600 MHz)-Above 1G									
Vertical	3561	57.36	6.48	36.35	44.05	56.14	68.2	-12.06	Pk
Vertical	11200	58.75	8.47	37.88	44.51	60.59	74	-13.41	Pk
Vertical	11200	39.06	8.47	37.88	44.51	40.90	54	-13.10	AV
Vertical	16800	52.24	10.12	38.8	44.1	57.06	68.2	-11.14	Pk
Horizontal	3363	54.85	6.48	36.37	44.05	53.65	68.2	-14.55	Pk
Horizontal	11200	55.41	8.47	38.64	44.5	58.02	74	-15.98	Pk
Horizontal	11200	40.66	8.47	38.64	44.5	43.27	54	-10.73	AV
Horizontal	16800	51.61	10.12	38.38	44.1	56.01	68.2	-12.19	Pk

High Channel (5700 MHz)-Above 1G									
Vertical	3926	59.77	7.1	37.24	43.5	60.61	74	-13.39	Pk
Vertical	3926	40.34	7.1	37.24	43.5	41.18	54	-12.82	AV
Vertical	11400	62.35	8.46	37.68	44.5	63.99	74	-10.01	Pk
Vertical	11400	36.20	8.46	37.68	44.5	37.84	54	-16.16	AV
Vertical	17100	49.07	10.12	38.8	44.1	53.89	68.2	-14.31	Pk
Horizontal	3885	60.73	7.1	37.24	43.5	61.57	74	-12.43	Pk
Horizontal	3885	40.34	7.1	37.24	43.5	41.18	54	-12.82	AV
Horizontal	11400	50.95	8.46	38.57	44.5	53.48	74	-20.52	Pk
Horizontal	11400	37.81	8.46	38.57	44.5	40.34	54	-13.66	AV
Horizontal	17100	54.57	10.12	38.38	44.1	58.97	68.2	-9.23	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

8dBi Antenna

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	63.09	5.94	35.40	44.00	60.43	74.00	-13.57	Pk
Vertical	2806	41.50	5.94	35.40	44.00	38.84	54.00	-15.16	AV
Vertical	11490	62.14	8.46	39.75	44.50	65.85	74.00	-8.15	Pk
Vertical	11490	39.20	8.46	39.75	44.50	42.91	54.00	-11.09	AV
Vertical	17235	48.99	10.12	38.80	44.10	53.81	68.20	-14.39	Pk
Horizontal	2911	58.34	5.94	35.18	44.00	55.46	68.20	-12.74	Pk
Horizontal	11490	60.33	8.46	38.71	44.50	63.00	74.00	-11.00	Pk
Horizontal	11490	36.45	8.46	38.71	44.50	39.12	54.00	-14.88	AV
Horizontal	17235	49.50	10.12	38.38	44.10	53.90	68.20	-14.30	Pk
middle Channel (5785 MHz)-Above 1G									
Vertical	3763	63.58	6.48	36.35	44.05	62.36	74.00	-11.64	Pk
Vertical	3763	40.79	6.48	36.35	44.05	39.57	54.00	-14.43	AV
Vertical	11570	60.26	8.47	37.88	44.51	62.10	74.00	-11.90	Pk
Vertical	11570	42.73	8.47	37.88	44.51	44.57	54.00	-9.43	AV
Vertical	17355	53.35	10.12	38.8	44.10	58.17	68.20	-10.03	Pk
Horizontal	3561	50.99	6.48	36.37	44.05	49.79	68.20	-18.41	Pk
Horizontal	11570	59.05	8.47	38.64	44.50	61.66	74.00	-12.34	Pk
Horizontal	11570	41.14	8.47	38.64	44.50	43.75	54.00	-10.25	AV
Horizontal	17355	54.04	10.12	38.38	44.10	58.44	68.20	-9.76	Pk

High Channel (5825 MHz)-Above 1G									
Vertical	3907	61.14	7.10	37.24	43.50	61.98	74.00	-12.02	Pk
Vertical	3907	42.27	7.10	37.24	43.50	43.11	54.00	-10.89	AV
Vertical	11650	60.86	8.46	37.68	44.50	62.50	74.00	-11.50	Pk
Vertical	11650	39.55	8.46	37.68	44.50	41.19	54.00	-12.81	AV
Vertical	17475	53.49	10.12	38.8	44.10	58.31	68.20	-9.89	Pk
Horizontal	3912	60.94	7.10	37.24	43.50	61.78	74.00	-12.22	Pk
Horizontal	3912	40.27	7.10	37.24	43.50	41.11	54.00	-12.89	AV
Horizontal	11650	58.98	8.46	38.57	44.50	61.51	74.00	-12.49	Pk
Horizontal	11650	41.48	8.46	38.57	44.50	44.01	54.00	-9.99	AV
Horizontal	17475	49.28	10.12	38.38	44.10	53.68	68.20	-14.52	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

25dBi Antenna

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	57.07	5.94	35.4	44	54.41	68.2	-13.79	Pk
Vertical	10360	55.48	8.46	39.75	44.5	59.19	68.2	-9.01	Pk
Vertical	15540	59.77	10.12	38.8	44.1	64.59	74	-9.41	Pk
Vertical	15540	40.11	10.12	38.8	42.7	46.33	54	-7.67	AV
Horizontal	2981	55.57	5.94	35.18	44	52.69	68.2	-15.51	Pk
Horizontal	10360	52.43	8.46	38.71	44.5	55.10	68.2	-13.10	Pk
Horizontal	15540	52.63	10.12	38.38	44.1	57.03	74	-16.97	Pk
Horizontal	15540	38.96	10.12	38.38	44.1	43.36	54	-10.64	AV
middle Channel (5200 MHz)-Above 1G									
Vertical	3561	54.01	6.48	36.35	44.05	52.79	68.2	-15.41	Pk
Vertical	10400	53.80	8.47	37.88	44.51	55.64	68.2	-12.56	Pk
Vertical	15600	57.19	10.12	38.8	44.1	62.01	74	-11.99	Pk
Vertical	15600	38.95	10.12	38.8	42.7	45.17	54	-8.83	AV
Horizontal	3363	55.64	6.48	36.37	44.05	54.44	68.2	-13.76	Pk
Horizontal	10400	50.73	8.47	38.64	44.5	53.34	68.2	-14.86	Pk
Horizontal	15600	55.70	10.12	38.38	44.1	60.10	74	-13.90	Pk
Horizontal	15600	40.89	10.12	38.38	44.1	45.29	54	-8.71	AV

High Channel (5240 MHz)-Above 1G									
Vertical	3926	59.22	7.1	37.24	43.5	60.06	74	-13.94	Pk
Vertical	3926	40.07	7.1	37.24	43.5	40.91	54	-13.09	AV
Vertical	10480	56.02	8.46	37.68	44.5	57.66	68.2	-10.54	Pk
Vertical	15720	55.74	10.12	38.8	44.1	60.56	74	-13.44	Pk
Vertical	15720	34.12	10.12	38.8	42.7	40.34	54	-13.66	AV
Horizontal	3885	63.70	7.1	37.24	43.5	64.54	74	-9.46	Pk
Horizontal	3885	41.75	7.1	37.24	43.5	42.59	54	-11.41	AV
Horizontal	10480	51.75	8.46	38.57	44.5	54.28	68.2	-13.92	Pk
Horizontal	15720	59.94	10.12	38.38	44.1	64.34	74	-9.66	Pk
Horizontal	15720	37.44	10.12	38.38	44.1	41.84	54	-12.16	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

25dBi Antenna

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	52.98	5.94	35.4	44	50.32	68.2	-17.88	Pk
Vertical	10520	52.65	8.46	39.75	44.5	56.36	68.2	-11.84	Pk
Vertical	15780	57.72	10.12	38.8	44.1	62.54	74	-11.46	Pk
Vertical	15780	38.30	10.12	38.8	42.7	44.52	54	-9.48	AV
Horizontal	2981	52.77	5.94	35.18	44	49.89	68.2	-18.31	Pk
Horizontal	10520	52.34	8.46	38.71	44.5	55.01	68.2	-13.19	Pk
Horizontal	15780	56.78	10.12	38.38	44.1	61.18	74	-12.82	Pk
Horizontal	15780	38.22	10.12	38.38	44.1	42.62	54	-11.38	AV
middle Channel (5280 MHz)-Above 1G									
Vertical	3561	52.85	6.48	36.35	44.05	51.63	68.2	-16.57	Pk
Vertical	10560	52.91	8.47	37.88	44.51	54.75	68.2	-13.45	Pk
Vertical	15840	55.77	10.12	38.8	44.1	60.59	74	-13.41	Pk
Vertical	15840	37.59	10.12	38.8	42.7	43.81	54	-10.19	AV
Horizontal	3363	53.00	6.48	36.37	44.05	51.80	68.2	-16.40	Pk
Horizontal	10560	50.71	8.47	38.64	44.5	53.32	68.2	-14.88	Pk
Horizontal	15840	57.16	10.12	38.38	44.1	61.56	74	-12.44	Pk
Horizontal	15840	39.98	10.12	38.38	44.1	44.38	54	-9.62	AV

High Channel (5320 MHz)-Above 1G									
Vertical	3926	57.78	7.1	37.24	43.5	58.62	74	-15.38	Pk
Vertical	3926	44.55	7.1	37.24	43.5	45.39	54	-8.61	AV
Vertical	10640	61.90	8.46	37.68	44.5	63.54	68.2	-4.66	Pk
Vertical	15960	56.47	10.12	38.8	44.1	61.29	74	-12.71	Pk
Vertical	15960	37.65	10.12	38.8	42.7	43.87	54	-10.13	AV
Horizontal	3885	58.94	7.1	37.24	43.5	59.78	74	-14.22	Pk
Horizontal	3885	38.52	7.1	37.24	43.5	39.36	54	-14.64	AV
Horizontal	10640	53.05	8.46	38.57	44.5	55.58	68.2	-12.62	Pk
Horizontal	15960	60.66	10.12	38.38	44.1	65.06	74	-8.94	Pk
Horizontal	15960	40.24	10.12	38.38	44.1	44.64	54	-9.36	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

25dBi Antenna

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	53.31	5.94	35.4	44	50.65	68.2	-17.55	Pk
Vertical	11000	61.25	8.46	39.75	44.5	64.96	74	-9.04	Pk
Vertical	11000	37.36	8.46	39.75	44.5	41.07	54	-12.93	AV
Vertical	16500	52.36	10.12	38.8	44.1	57.18	68.2	-11.02	Pk
Horizontal	2981	52.33	5.94	35.18	44	49.45	68.2	-18.75	Pk
Horizontal	11000	53.11	8.46	38.71	44.5	55.78	74	-18.22	Pk
Horizontal	11000	37.69	8.46	38.71	44.5	40.36	54	-13.64	AV
Horizontal	16500	49.12	10.12	38.38	44.1	53.52	68.2	-14.68	Pk
middle Channel (5600 MHz)-Above 1G									
Vertical	3561	54.24	6.48	36.35	44.05	53.02	68.2	-15.18	Pk
Vertical	11200	62.00	8.47	37.88	44.51	63.84	74	-10.16	Pk
Vertical	11200	38.42	8.47	37.88	44.51	40.26	54	-13.74	AV
Vertical	16800	48.65	10.12	38.8	44.1	53.47	68.2	-14.73	Pk
Horizontal	3363	53.63	6.48	36.37	44.05	52.43	68.2	-15.77	Pk
Horizontal	11200	58.81	8.47	38.64	44.5	61.42	74	-12.58	Pk
Horizontal	11200	41.67	8.47	38.64	44.5	44.28	54	-9.72	AV
Horizontal	16800	51.39	10.12	38.38	44.1	55.79	68.2	-12.41	Pk

High Channel (5700 MHz)-Above 1G									
Vertical	3926	61.32	7.1	37.24	43.5	62.16	74	-11.84	Pk
Vertical	3926	43.04	7.1	37.24	43.5	43.88	54	-10.12	AV
Vertical	11400	61.05	8.46	37.68	44.5	62.69	74	-11.31	Pk
Vertical	11400	35.64	8.46	37.68	44.5	37.28	54	-16.72	AV
Vertical	17100	52.86	10.12	38.8	44.1	57.68	68.2	-10.52	Pk
Horizontal	3885	63.77	7.1	37.24	43.5	64.61	74	-9.39	Pk
Horizontal	3885	37.82	7.1	37.24	43.5	38.66	54	-15.34	AV
Horizontal	11400	48.42	8.46	38.57	44.5	50.95	74	-23.05	Pk
Horizontal	11400	36.09	8.46	38.57	44.5	38.62	54	-15.38	AV
Horizontal	17100	50.72	10.12	38.38	44.1	55.12	68.2	-13.08	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：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

25dBi Antenna

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	61.18	5.94	35.40	44.00	58.52	74.00	-15.48	Pk
Vertical	2806	44.47	5.94	35.40	44.00	41.81	54.00	-12.19	AV
Vertical	11490	61.27	8.46	39.75	44.50	64.98	74.00	-9.02	Pk
Vertical	11490	42.76	8.46	39.75	44.50	46.47	54.00	-7.53	AV
Vertical	17235	53.16	10.12	38.80	44.10	57.98	68.20	-10.22	Pk
Horizontal	2911	57.07	5.94	35.18	44.00	54.19	68.20	-14.01	Pk
Horizontal	11490	58.08	8.46	38.71	44.50	60.75	74.00	-13.25	Pk
Horizontal	11490	39.37	8.46	38.71	44.50	42.04	54.00	-11.96	AV
Horizontal	17235	48.97	10.12	38.38	44.10	53.37	68.20	-14.83	Pk
middle Channel (5785 MHz)-Above 1G									
Vertical	3763	59.88	6.48	36.35	44.05	58.66	74.00	-15.34	Pk
Vertical	3763	40.02	6.48	36.35	44.05	38.80	54.00	-15.20	AV
Vertical	11570	60.37	8.47	37.88	44.51	62.21	74.00	-11.79	Pk
Vertical	11570	45.04	8.47	37.88	44.51	46.88	54.00	-7.12	AV
Vertical	17355	55.68	10.12	38.8	44.10	60.50	68.20	-7.70	Pk
Horizontal	3561	51.37	6.48	36.37	44.05	50.17	68.20	-18.03	Pk
Horizontal	11570	58.18	8.47	38.64	44.50	60.79	74.00	-13.21	Pk
Horizontal	11570	39.71	8.47	38.64	44.50	42.32	54.00	-11.68	AV
Horizontal	17355	53.62	10.12	38.38	44.10	58.02	68.20	-10.18	Pk

High Channel (5825 MHz)-Above 1G									
Vertical	3907	58.37	7.10	37.24	43.50	59.21	74.00	-14.79	Pk
Vertical	3907	40.05	7.10	37.24	43.50	40.89	54.00	-13.11	AV
Vertical	11650	58.39	8.46	37.68	44.50	60.03	74.00	-13.97	Pk
Vertical	11650	40.19	8.46	37.68	44.50	41.83	54.00	-12.17	AV
Vertical	17475	53.47	10.12	38.8	44.10	58.29	68.20	-9.91	Pk
Horizontal	3912	57.85	7.10	37.24	43.50	58.69	74.00	-15.31	Pk
Horizontal	3912	38.92	7.10	37.24	43.50	39.76	54.00	-14.24	AV
Horizontal	11650	58.09	8.46	38.57	44.50	60.62	74.00	-13.38	Pk
Horizontal	11650	43.30	8.46	38.57	44.50	45.83	54.00	-8.17	AV
Horizontal	17475	50.45	10.12	38.38	44.10	54.85	68.20	-13.35	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)

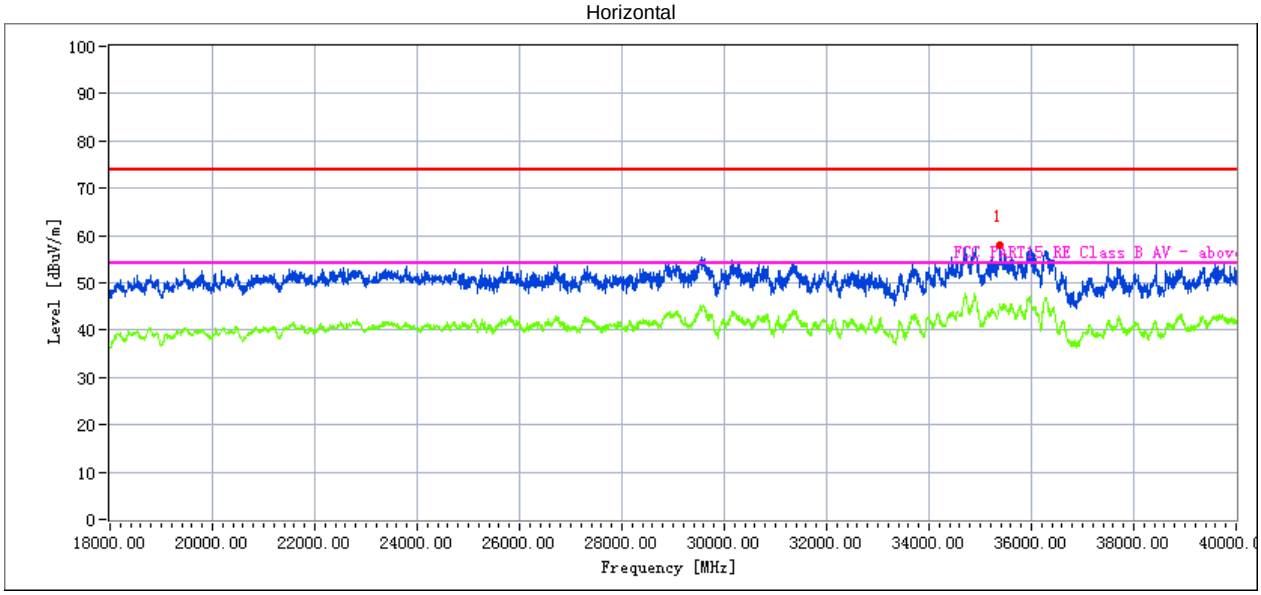
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

8dBi Antenna

Low Channel (5180 MHz)-Above 1G

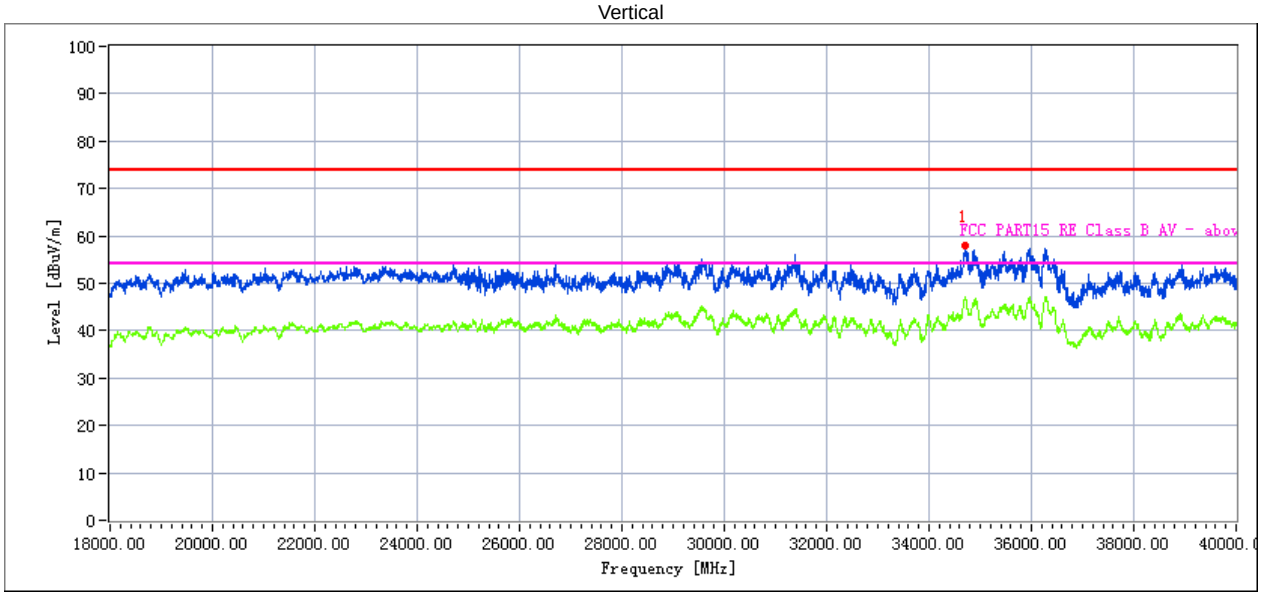
Horizontal



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
35382.365	38.24	20.09	44.16	43.48	59.01	68.20	9.19	Peak
35382.320	23.74	20.09	44.16	43.48	44.51	48.20	3.69	AVG

Vertical



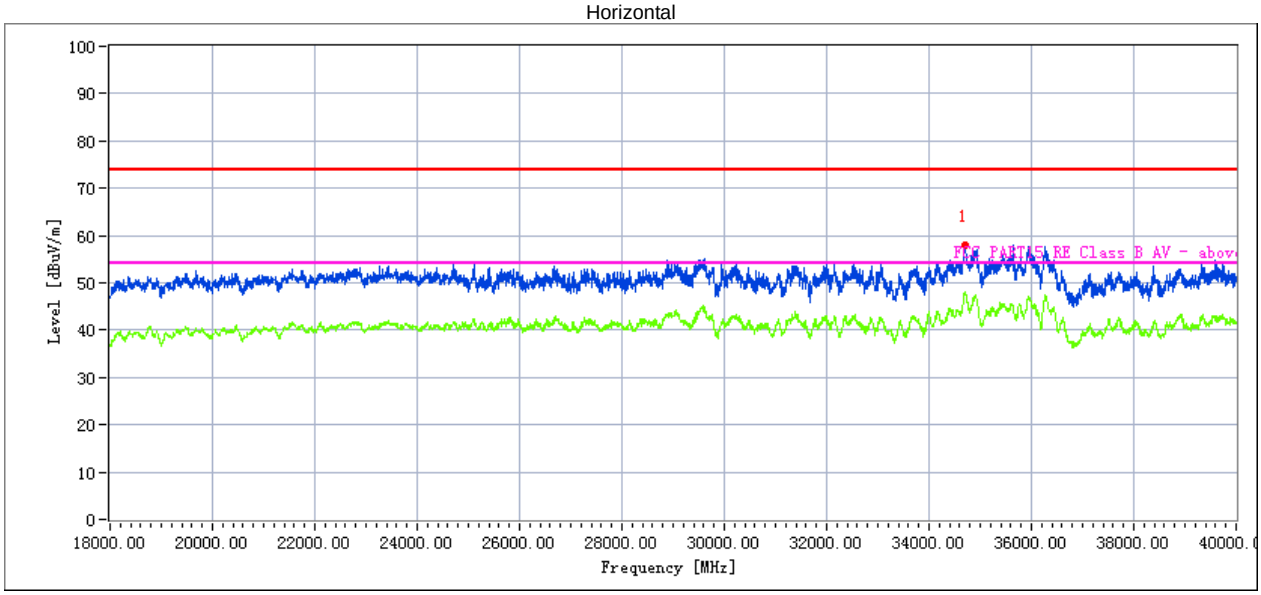
Measurement Result:

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
34716.645	40.88	19.11	42.63	43.48	59.14	68.20	9.06	Peak
34716.650	27.48	19.12	42.63	43.48	45.75	48.20	2.45	AVG

8dBi Antenna

High Channel (5240 MHz)-Above 1G

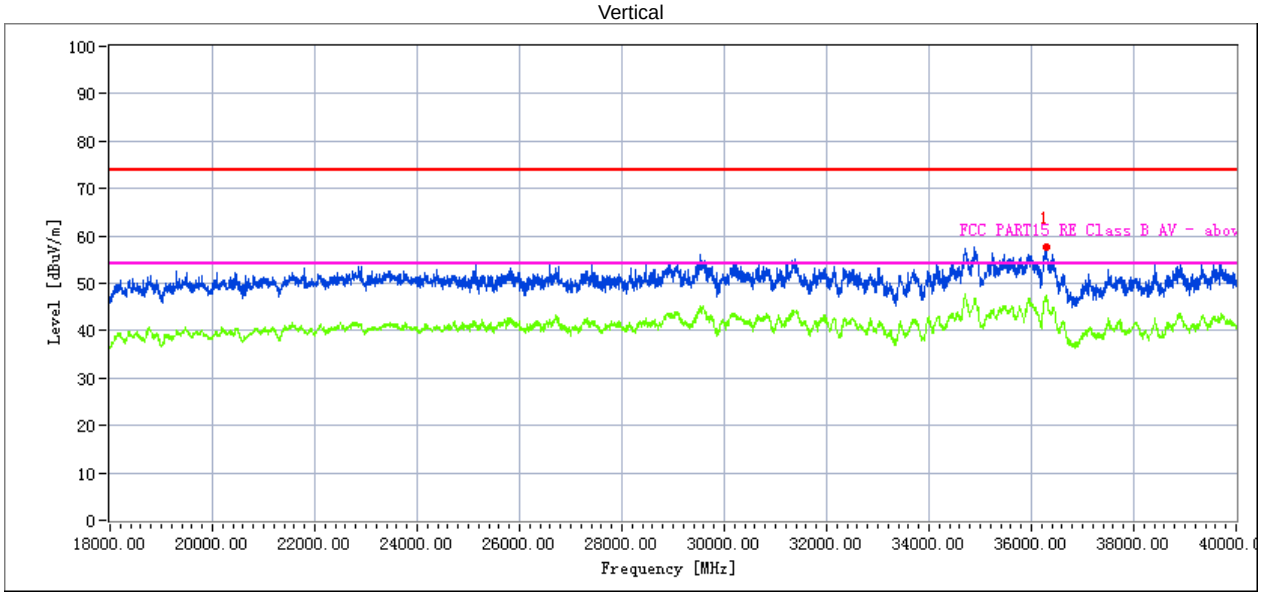
Horizontal



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
34702.344	38.27	20.06	44.07	43.21	59.19	68.20	9.01	Peak
34702.353	23.66	20.06	44.07	43.21	44.58	48.20	3.62	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
36277.338	38.08	20.10	44.10	43.22	59.06	68.20	9.14	Peak
36277.409	23.76	20.10	44.10	43.22	44.74	48.20	3.46	AVG

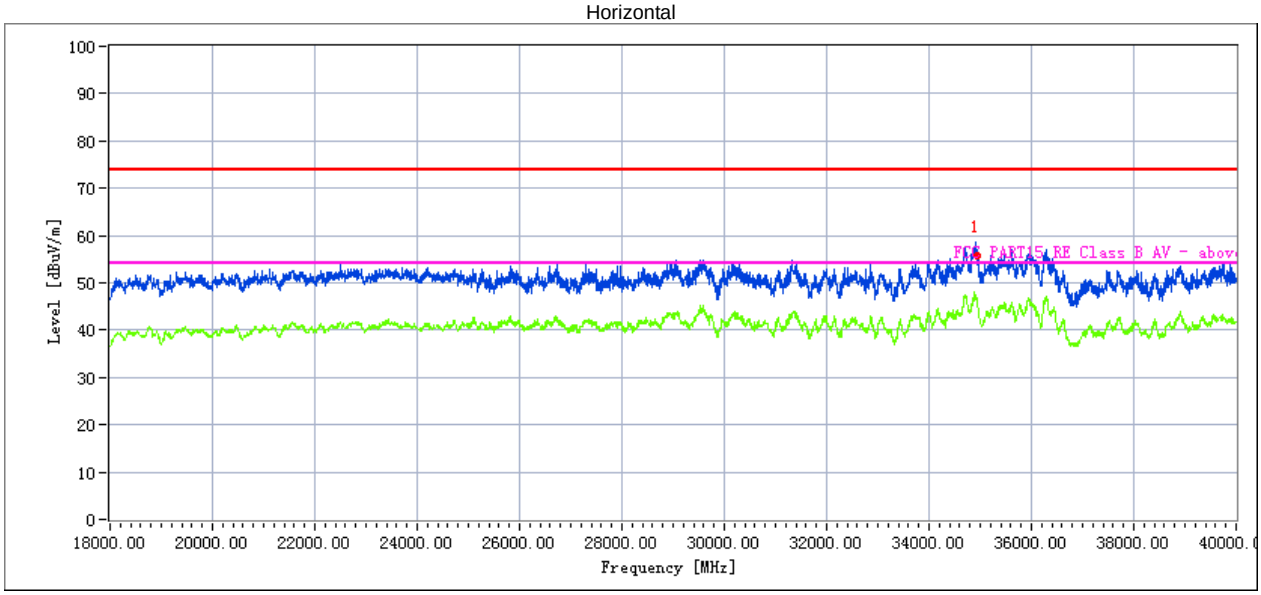
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

8dBi Antenna

Low Channel (5260 MHz)-Above 1G

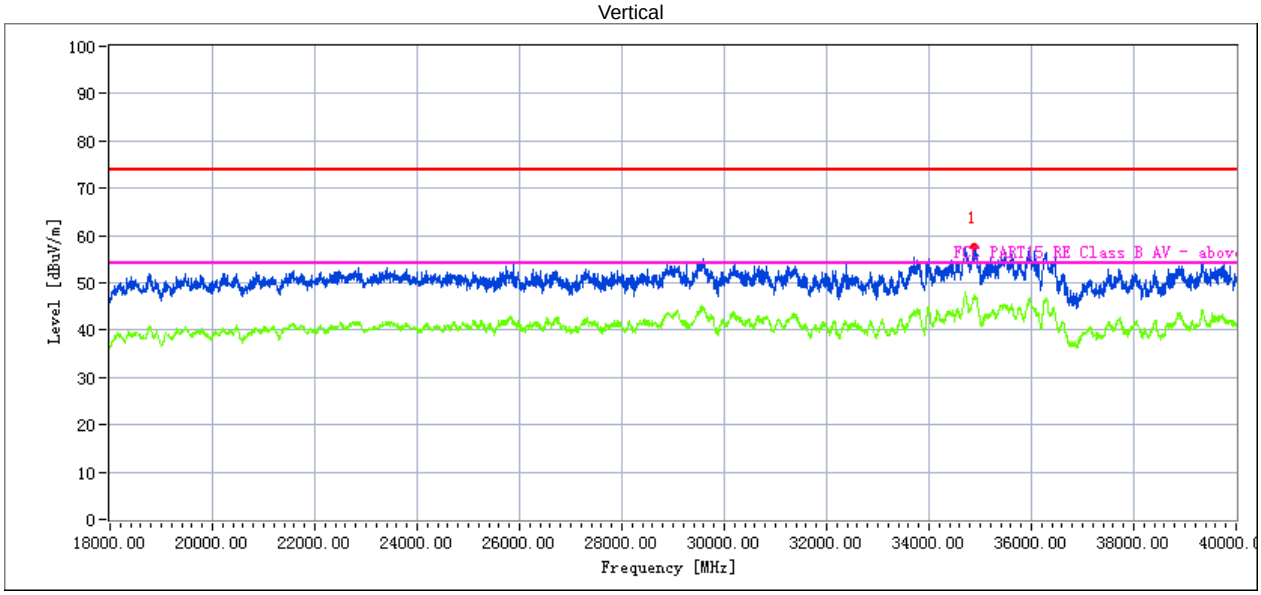
Horizontal



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
34933.392	37.88	20.09	44.07	43.48	58.56	68.20	9.64	Peak
34933.439	24.38	20.09	44.04	43.48	45.03	48.20	3.17	AVG

Vertical



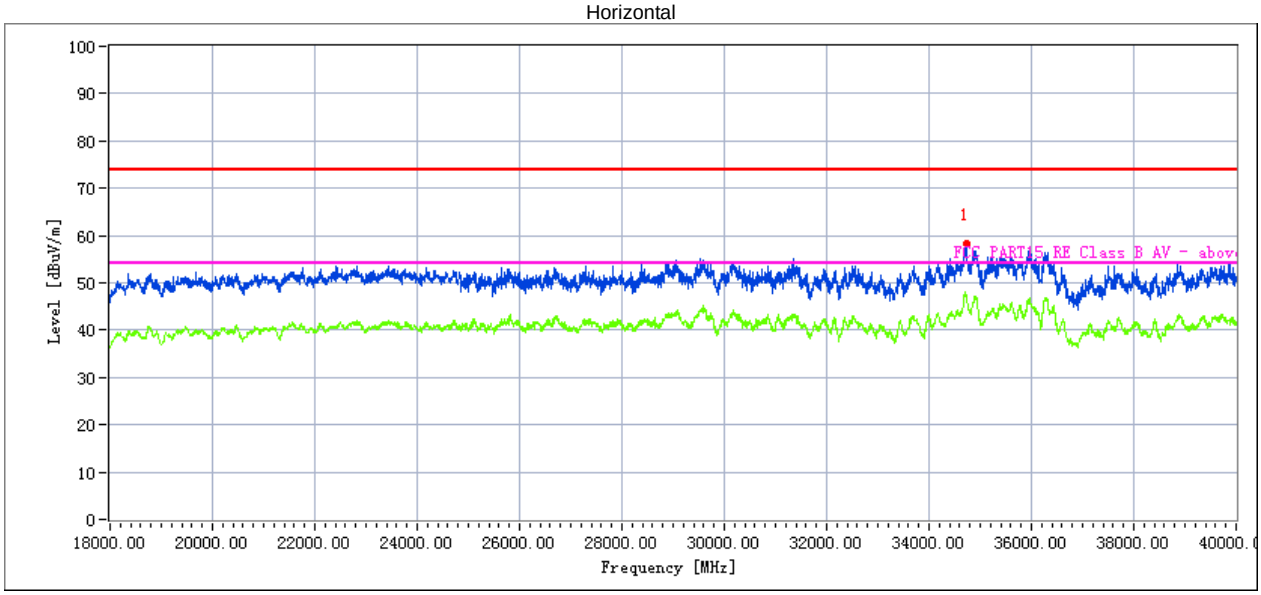
Measurement Result:

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
34898.074	41.26	19.11	42.73	44.61	58.49	68.20	9.71	Peak
34897.839	27.30	19.11	42.73	44.61	44.53	48.20	3.67	AVG

8dBi Antenna

High Channel (5320 MHz)-Above 1G

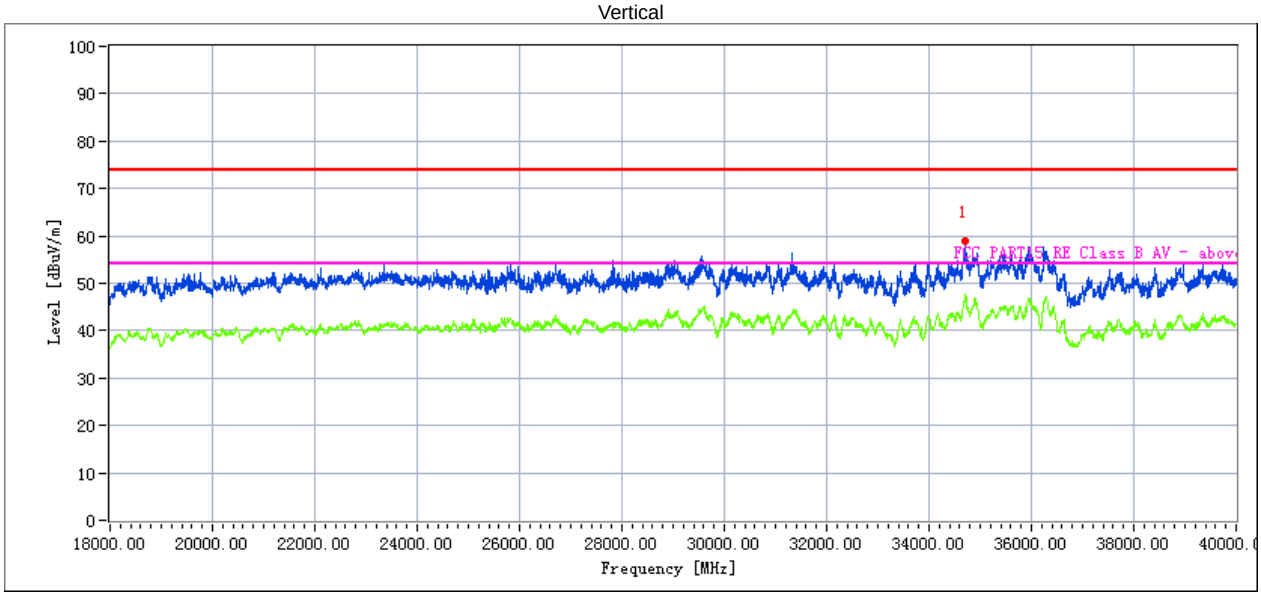
Horizontal



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
34723.404	37.72	20.09	44.07	43.48	58.40	68.20	9.80	Peak
34723.149	23.60	20.09	44.04	43.48	44.25	48.20	3.95	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
34706.957	39.14	20.09	44.07	43.48	59.82	68.20	8.38	Peak
34707.020	23.84	20.09	44.04	43.48	44.49	48.20	3.71	AVG

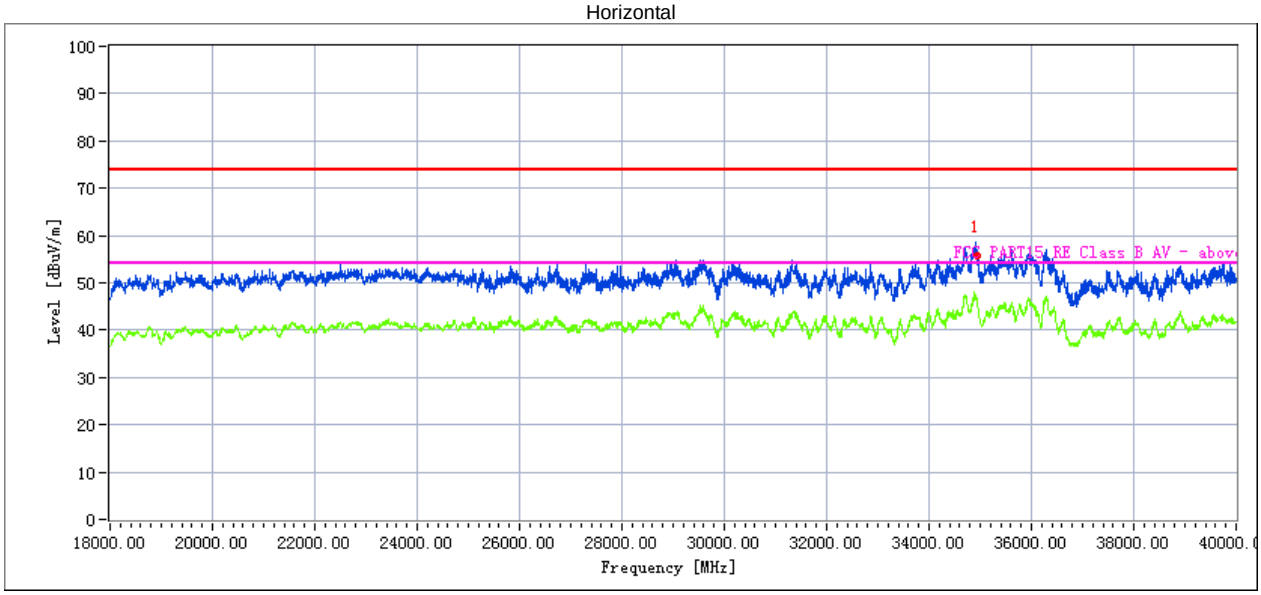
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

8dBi Antenna

Low Channel (5500 MHz)-Above 1G

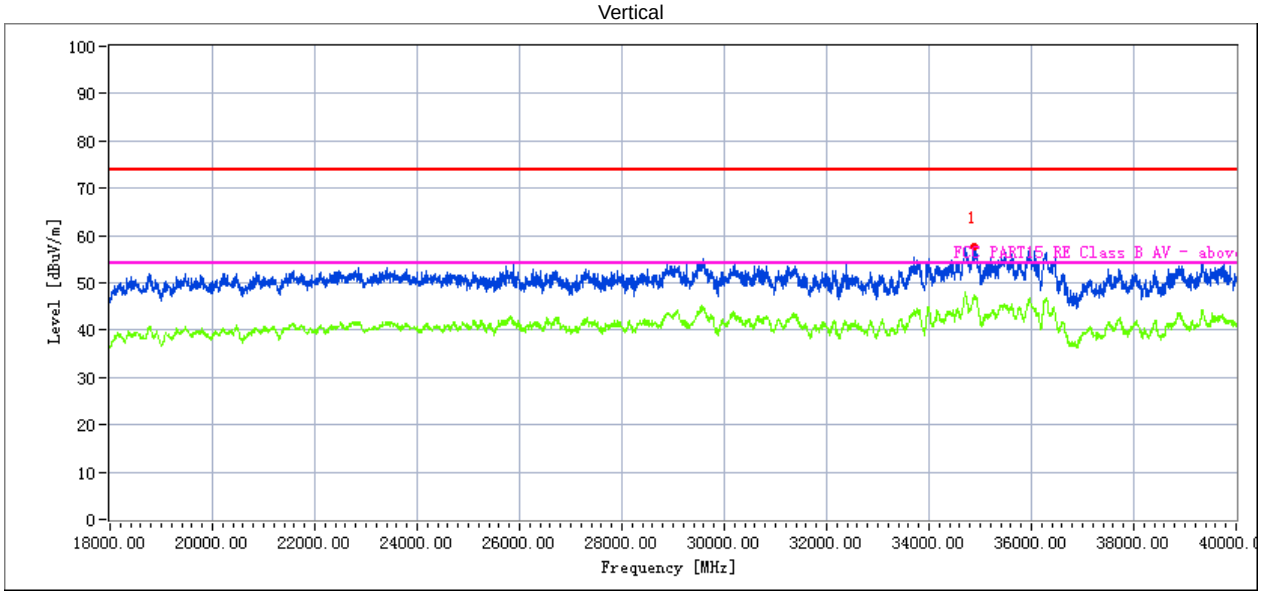
Horizontal



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
34933.187	37.85	20.09	44.07	43.48	58.53	68.20	9.67	Peak
34933.315	24.63	20.09	44.04	43.48	45.28	48.20	2.92	AVG

Vertical



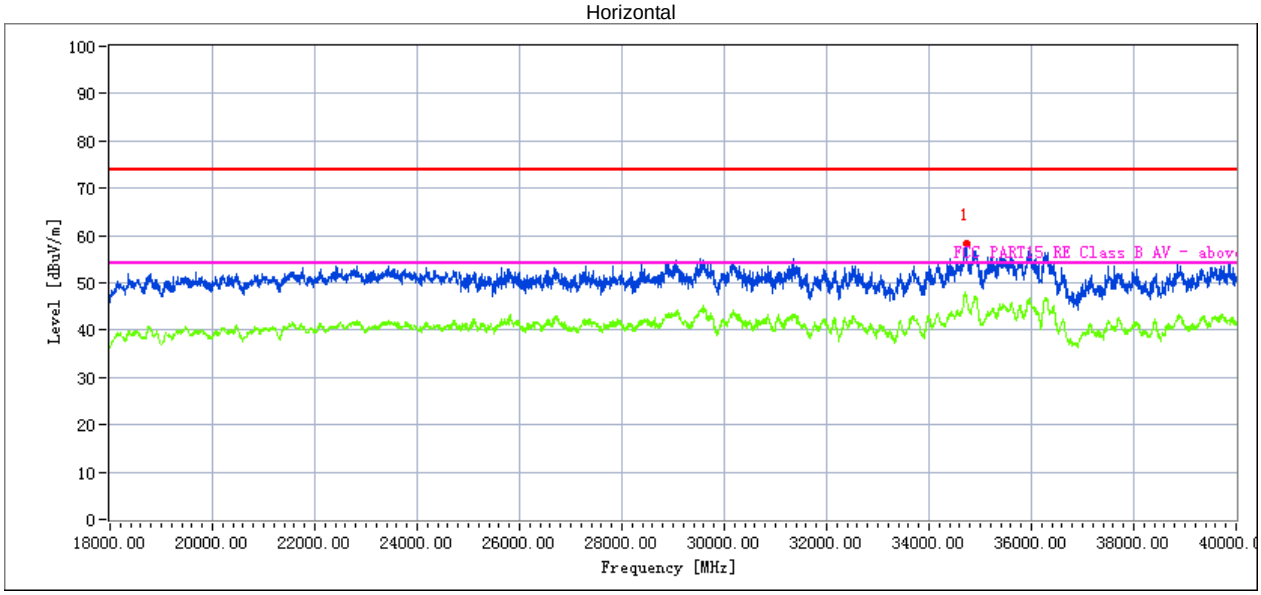
Measurement Result:

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
34897.914	41.10	19.11	42.73	44.61	58.33	68.20	9.87	Peak
34897.868	27.85	19.11	42.73	44.61	45.08	48.20	3.12	AVG

8dBi Antenna

High Channel (5700 MHz)-Above 1G

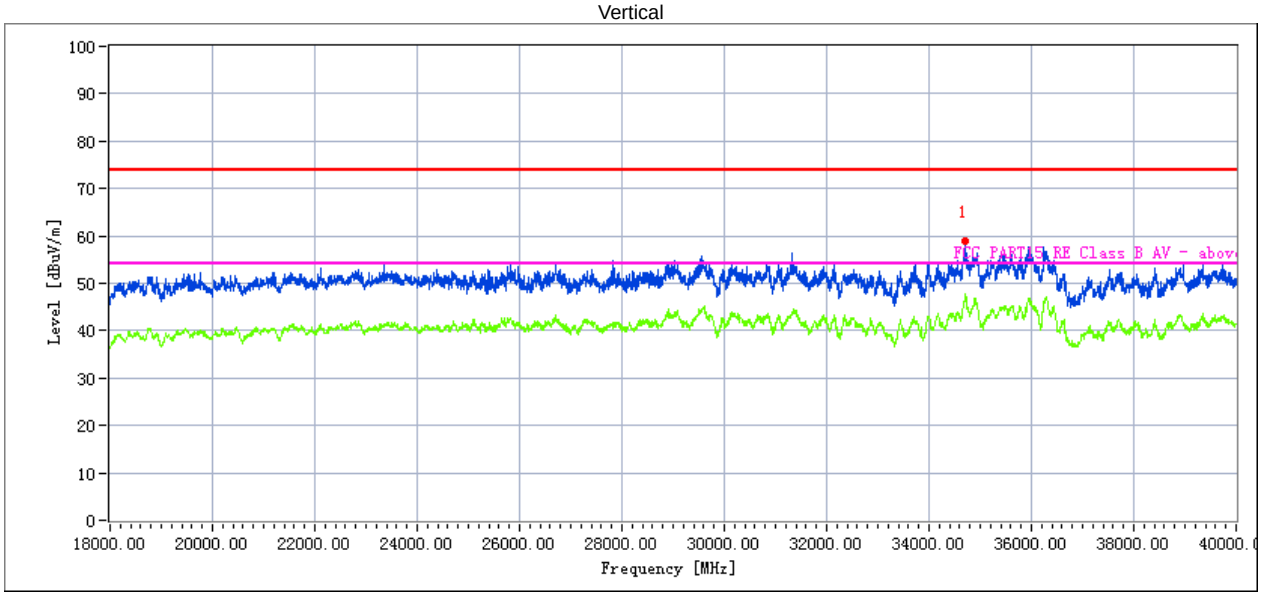
Horizontal



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
34723.281	38.48	20.09	44.07	43.48	59.16	68.20	9.04	Peak
34723.339	23.85	20.09	44.04	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
34706.775	39.12	20.09	44.07	43.48	59.80	68.20	8.40	Peak
34706.940	24.43	20.09	44.04	43.48	45.08	48.20	3.12	AVG

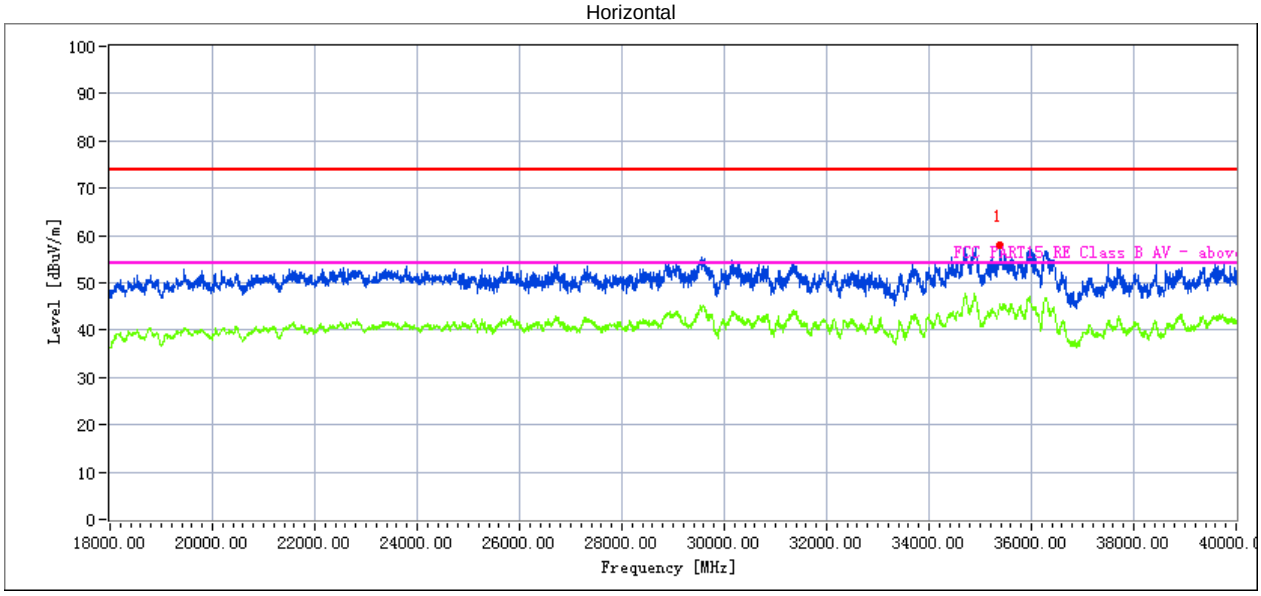
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

8dBi Antenna

Low Channel (5745 MHz)-Above 1G

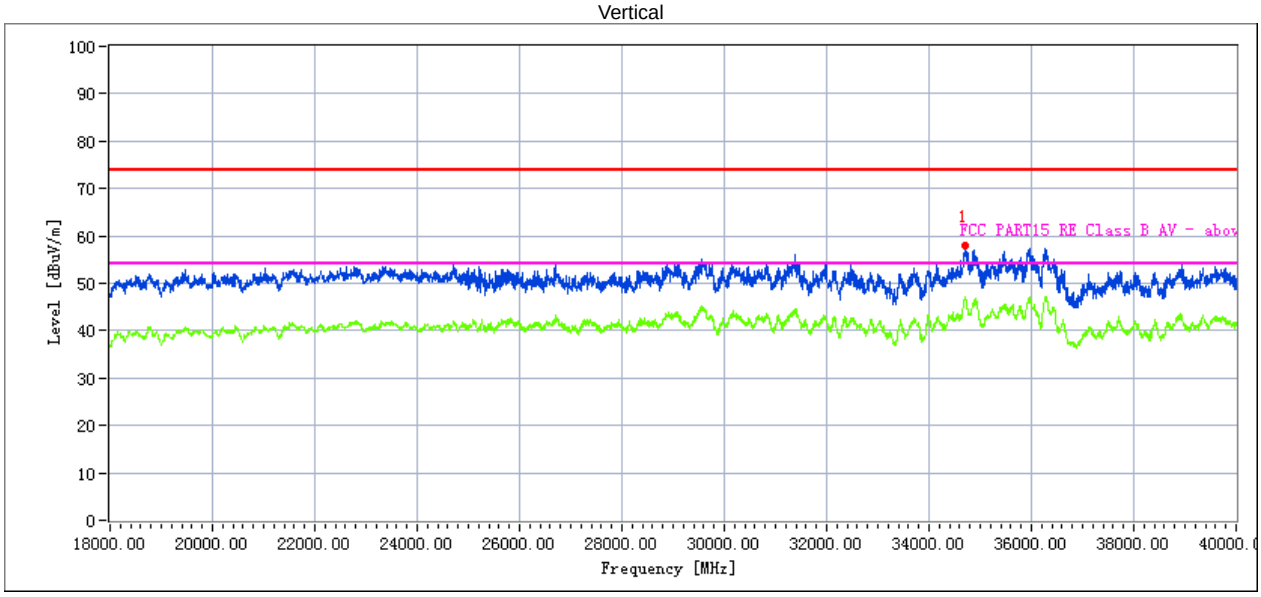
Horizontal



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
35382.258	38.67	20.09	44.16	43.48	59.44	68.20	8.76	Peak
35382.496	23.37	20.09	44.16	43.48	44.14	48.20	4.06	AVG

Vertical

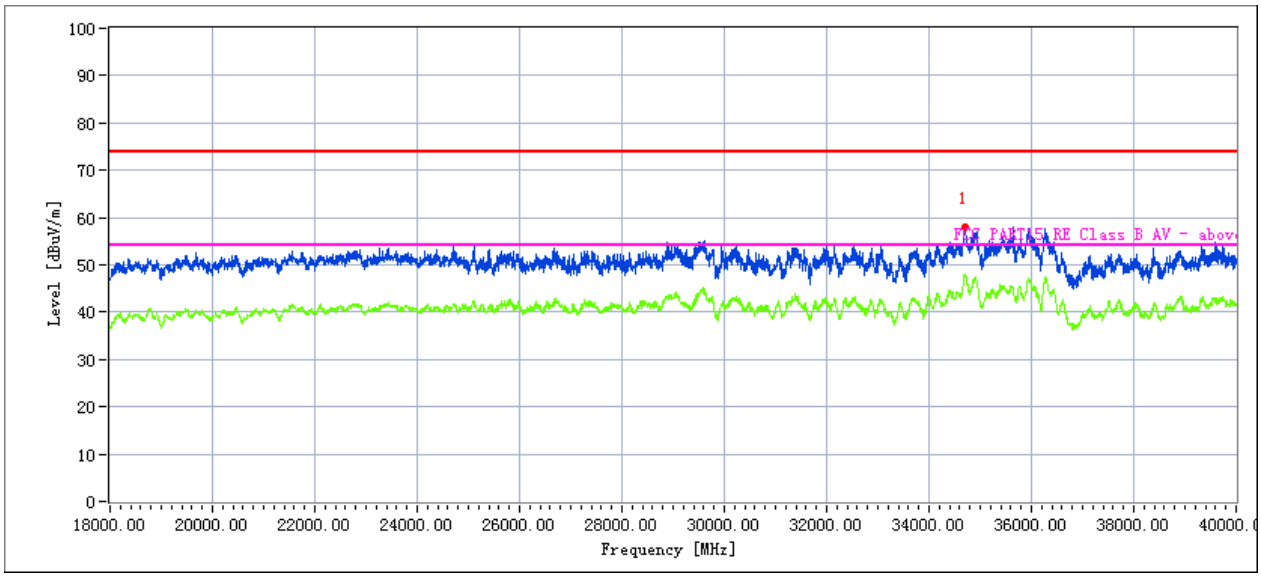


Measurement Result:

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
34716.883	40.93	19.11	42.63	43.48	59.19	68.20	9.01	Peak
34716.640	26.77	19.12	42.63	43.48	45.04	48.20	3.16	AVG

8dBi Antenna
High Channel (5825 MHz)-Above 1G

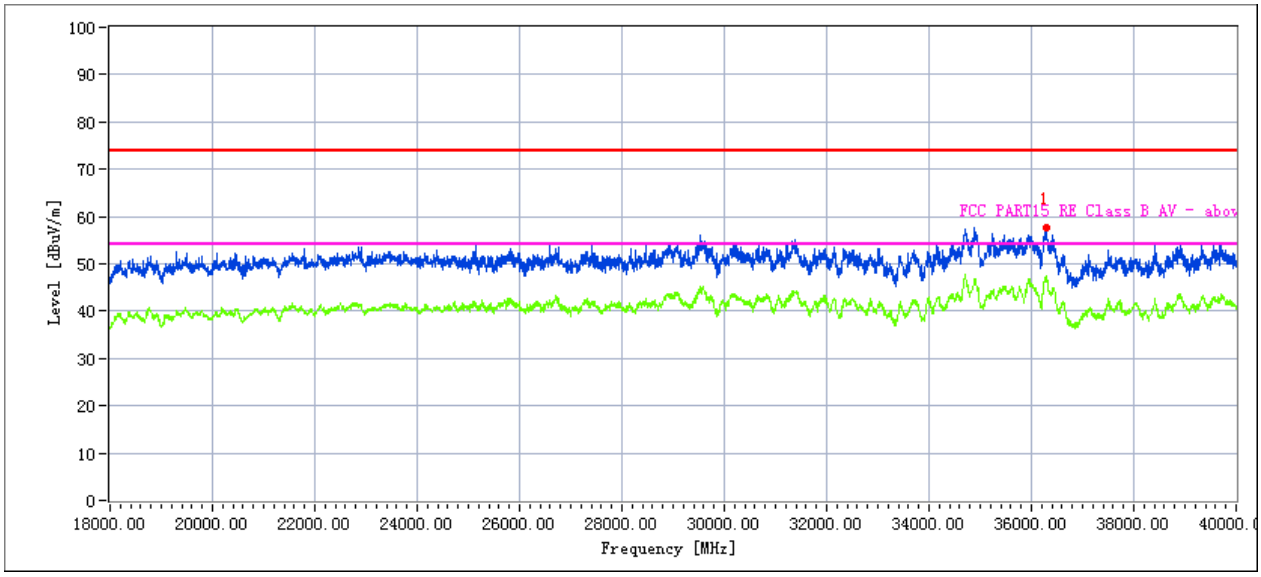
Horizontal



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
34702.494	38.16	20.06	44.07	43.21	59.08	68.20	9.12	Peak
34702.393	23.65	20.06	44.07	43.21	44.57	48.20	3.63	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
36277.566	38.59	20.10	44.10	43.22	59.57	68.20	8.63	Peak
36277.611	24.10	20.10	44.10	43.22	45.08	48.20	3.12	AVG

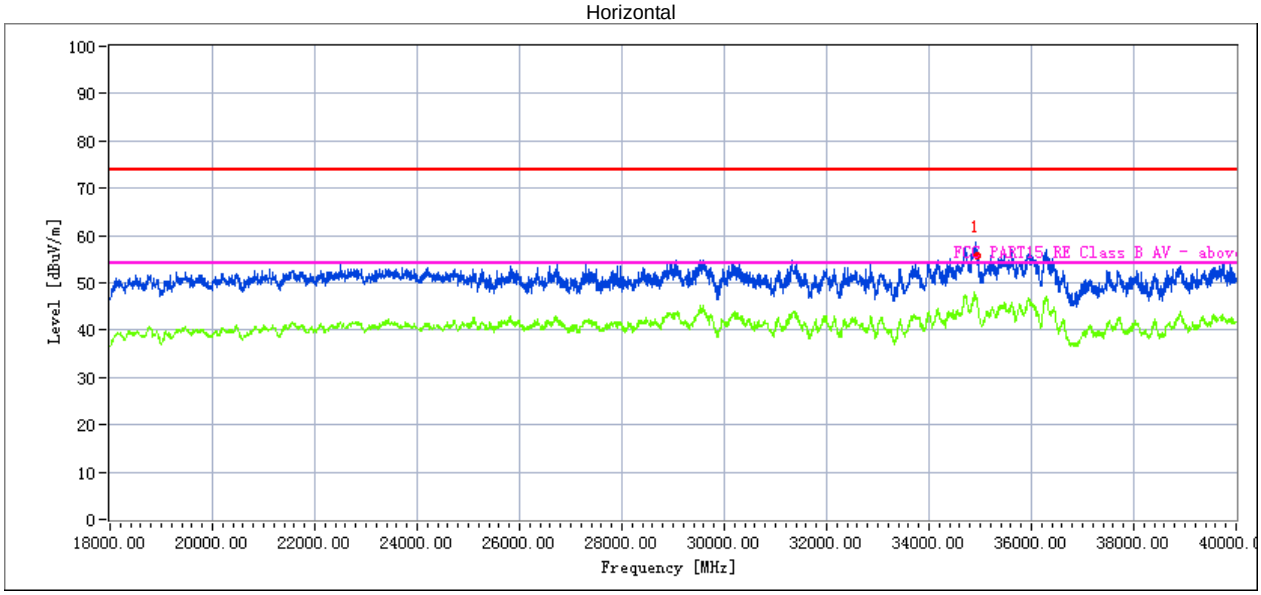
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

25dBi Antenna

Low Channel (5180 MHz)-Above 1G

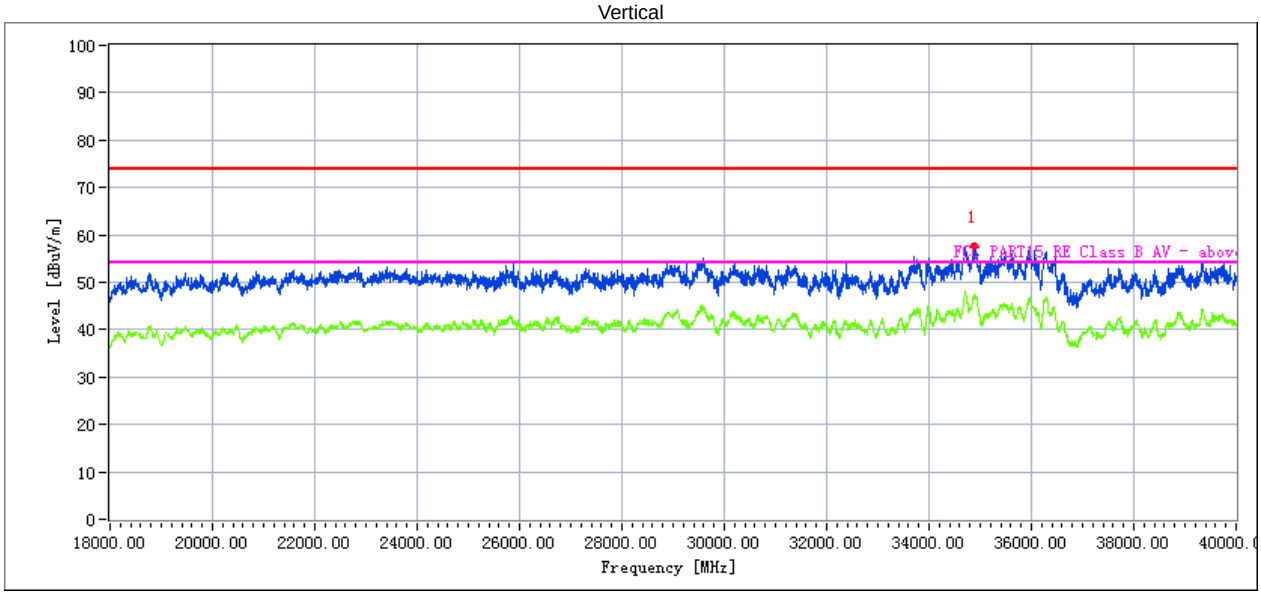
Horizontal



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
34933.283	37.97	20.09	44.07	43.48	58.65	68.20	9.55	Peak
34933.370	24.52	20.09	44.04	43.48	45.17	48.20	3.03	AVG

Vertical



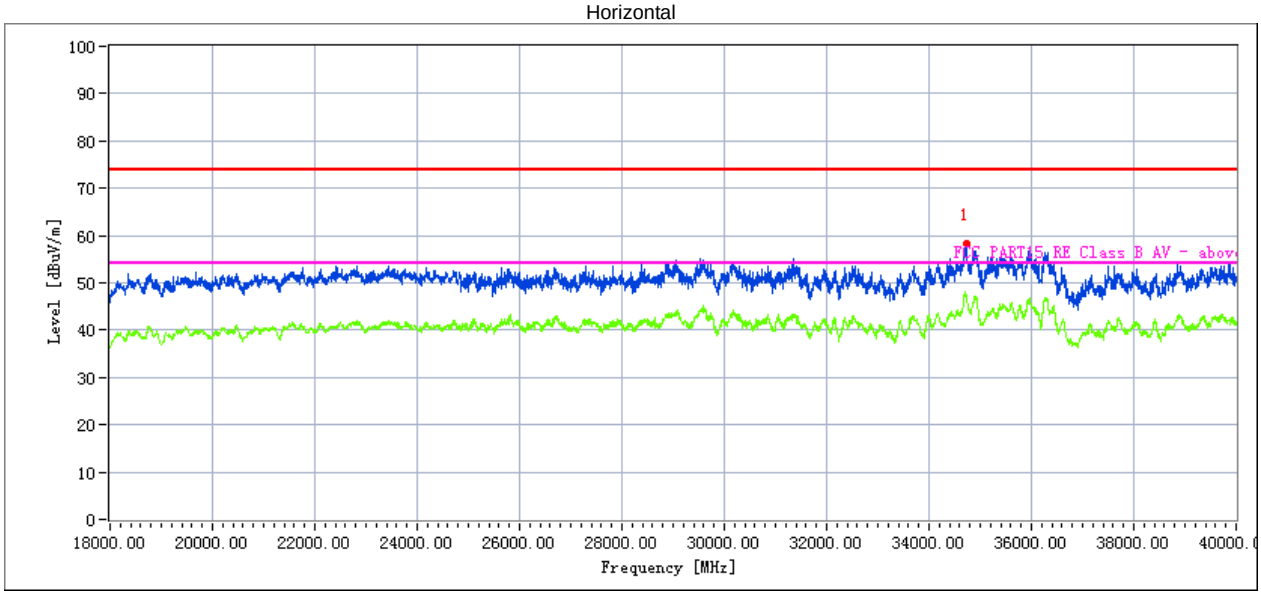
Measurement Result:

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
34897.925	40.89	19.11	42.73	44.61	58.12	68.20	10.08	Peak
34897.797	27.63	19.11	42.73	44.61	44.86	48.20	3.34	AVG

25dBi Antenna

High Channel (5240 MHz)-Above 1G

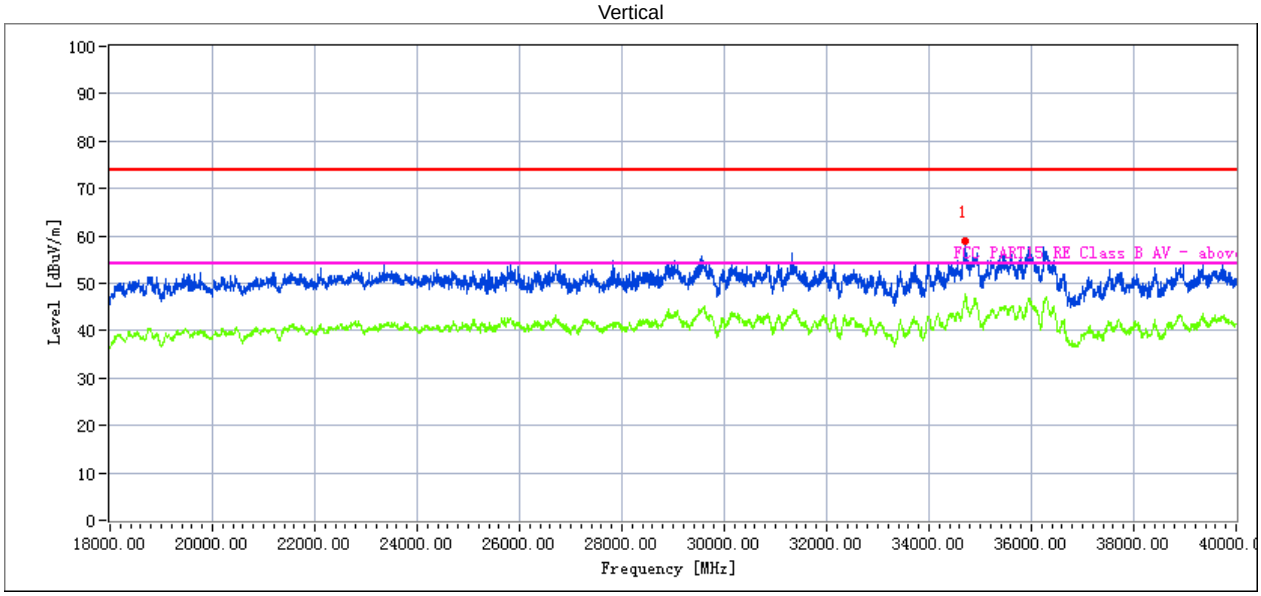
Horizontal



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
34723.320	37.92	20.09	44.07	43.48	58.60	68.20	9.60	Peak
34723.471	23.66	20.09	44.04	43.48	44.31	48.20	3.89	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
34707.008	38.41	20.09	44.07	43.48	59.09	68.20	9.11	Peak
34706.953	23.72	20.09	44.04	43.48	44.37	48.20	3.83	AVG

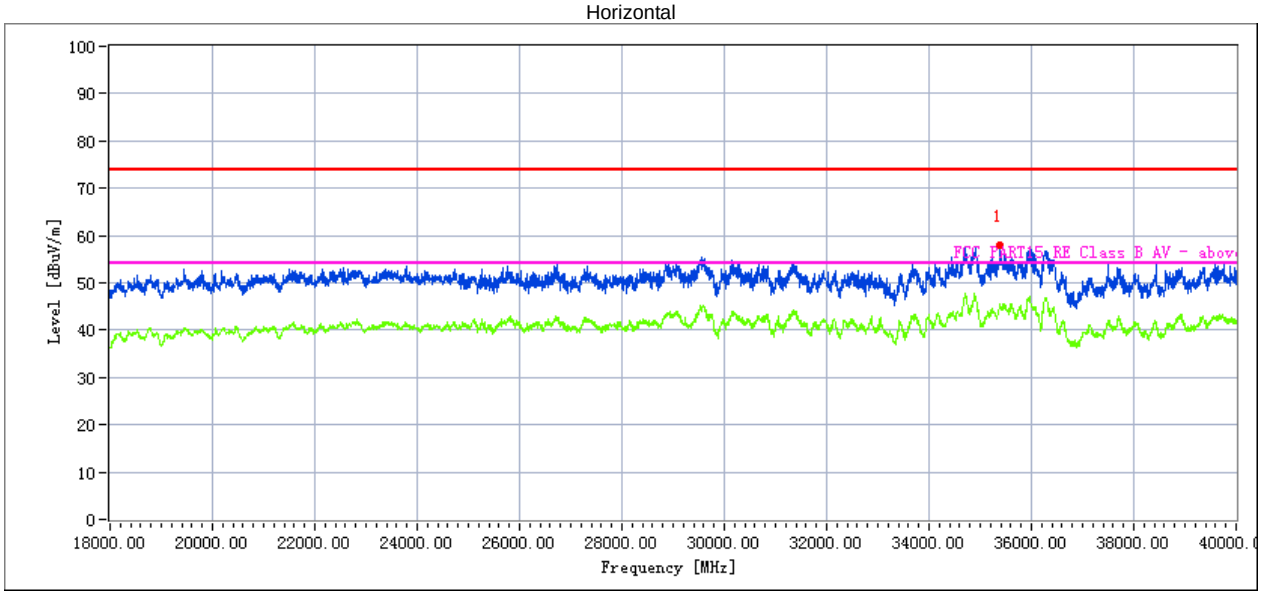
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

25dBi Antenna

Low Channel (5260 MHz)-Above 1G

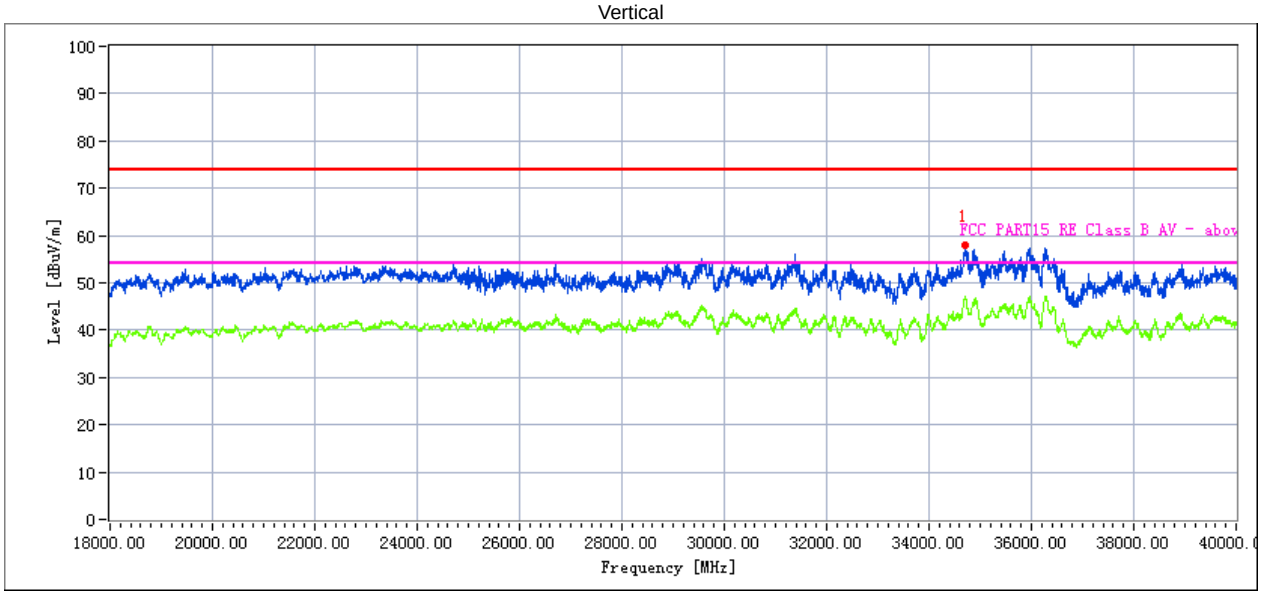
Horizontal



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
35382.363	38.47	20.09	44.16	43.48	59.24	68.20	8.96	Peak
35382.520	23.85	20.09	44.16	43.48	44.62	48.20	3.58	AVG

Vertical



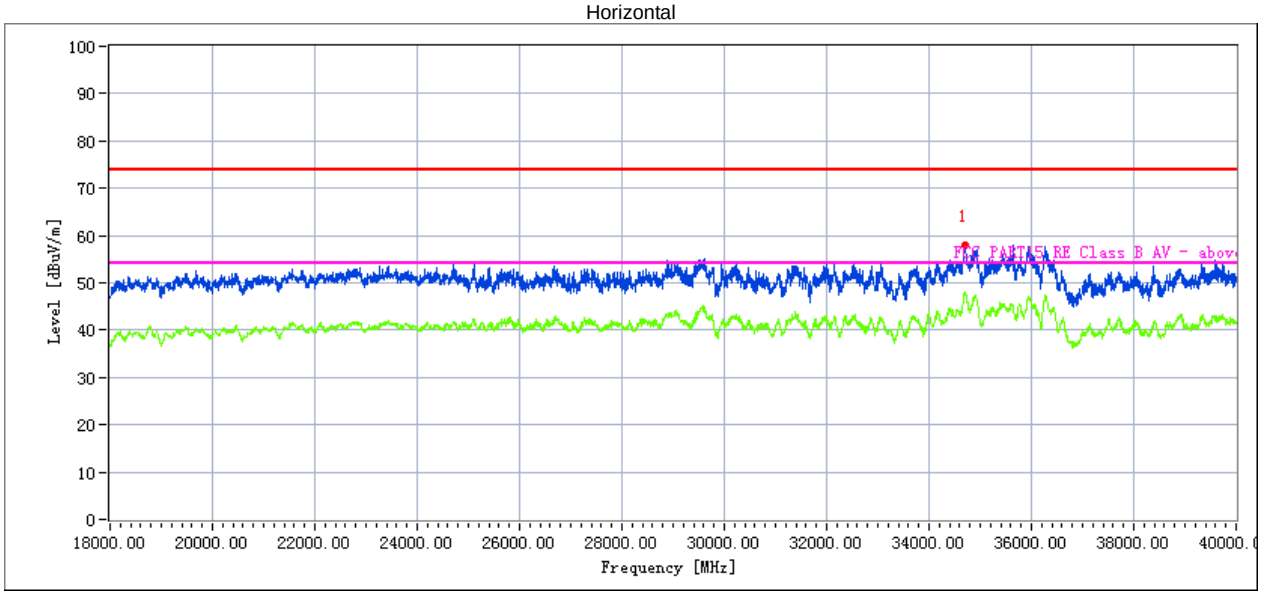
Measurement Result:

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
34716.885	41.13	19.11	42.63	43.48	59.39	68.20	8.81	Peak
34716.743	27.15	19.12	42.63	43.48	45.42	48.20	2.78	AVG

25dBi Antenna

High Channel (5320 MHz)-Above 1G

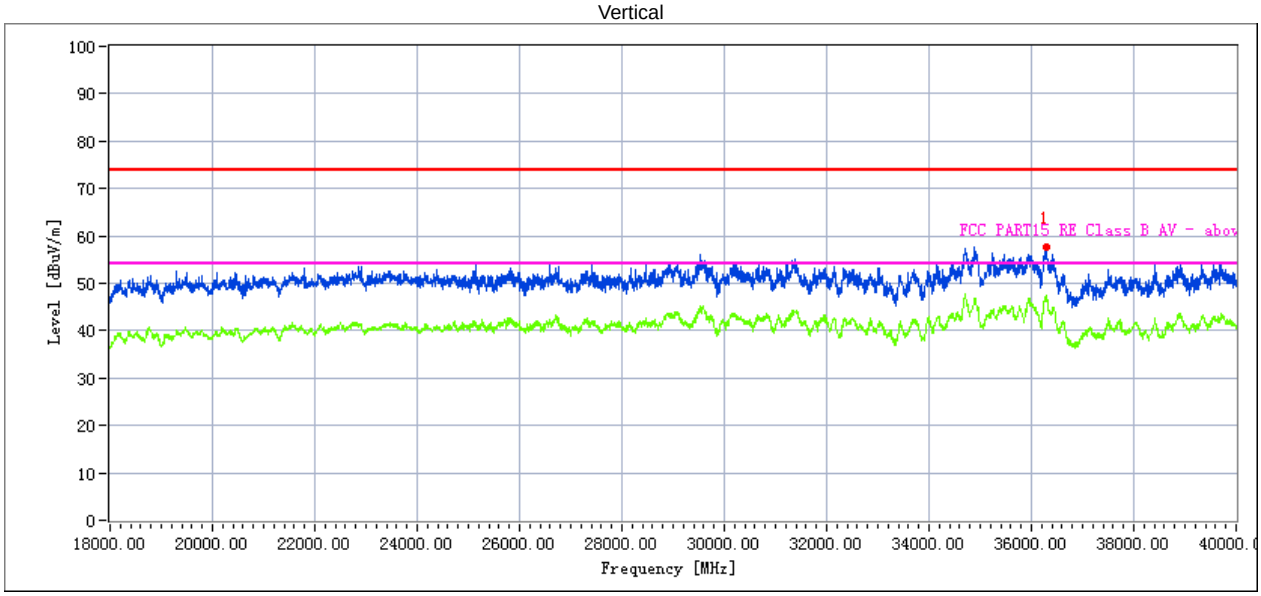
Horizontal



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
34702.246	38.06	20.06	44.07	43.21	58.98	68.20	9.22	Peak
34702.233	23.89	20.06	44.07	43.21	44.81	48.20	3.39	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
36277.552	38.19	20.10	44.10	43.22	59.17	68.20	9.03	Peak
36277.331	23.95	20.10	44.10	43.22	44.93	48.20	3.27	AVG

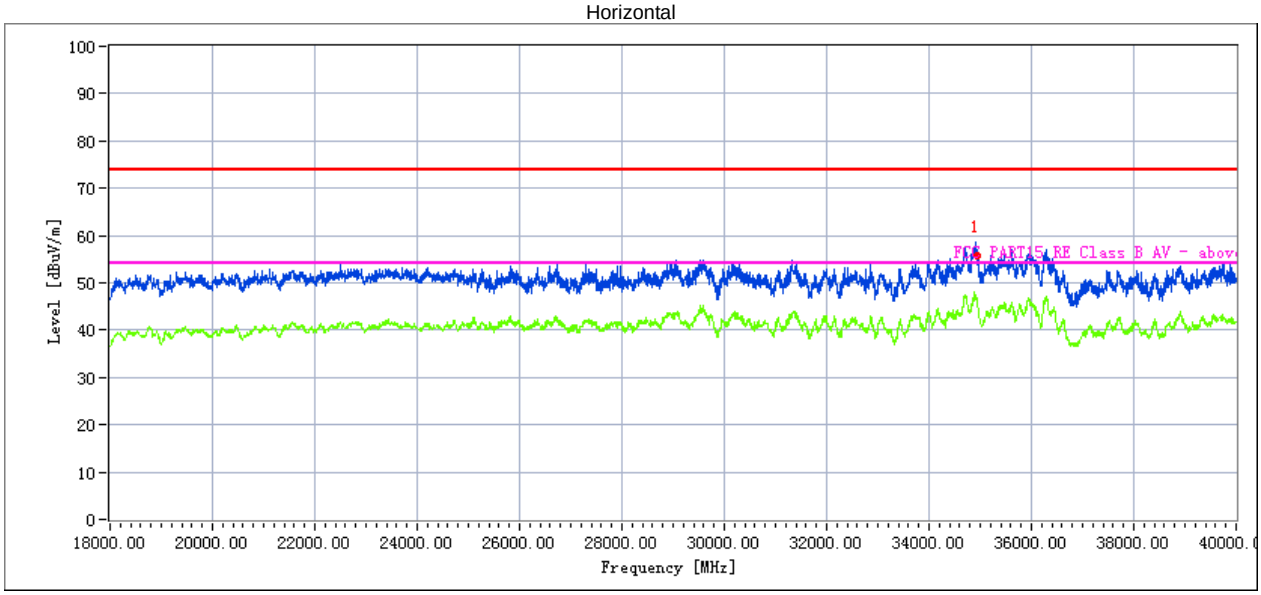
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

25dBi Antenna

Low Channel (5500 MHz)-Above 1G

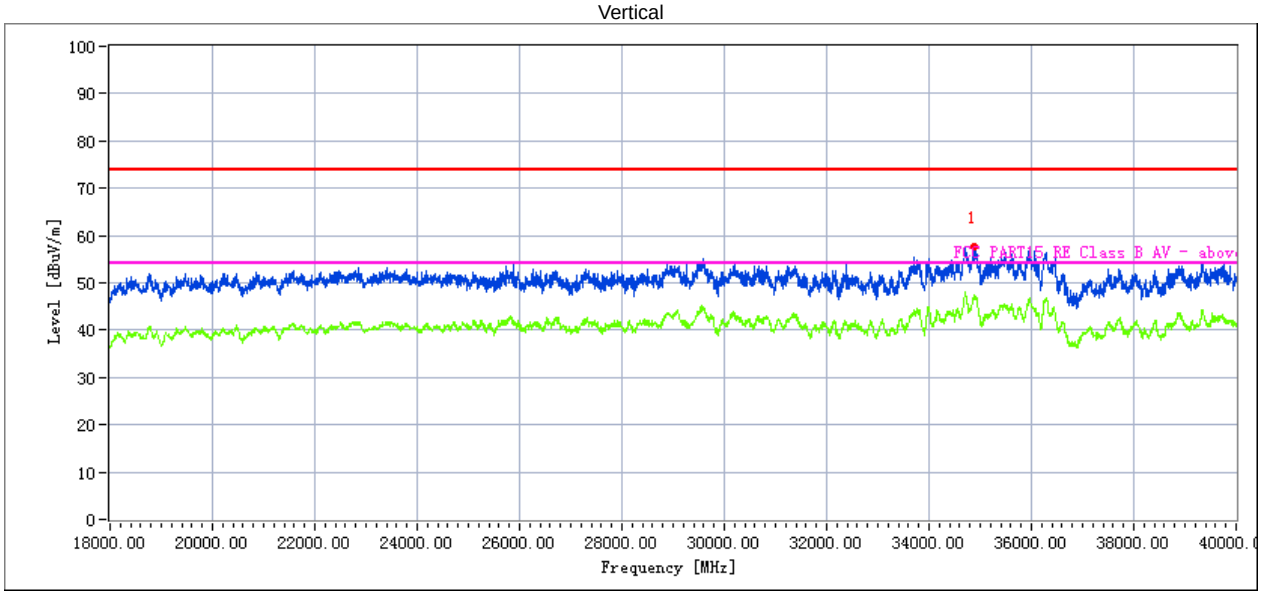
Horizontal



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
34933.525	38.30	20.09	44.07	43.48	58.98	68.20	9.22	Peak
34933.519	23.91	20.09	44.04	43.48	44.56	48.20	3.64	AVG

Vertical



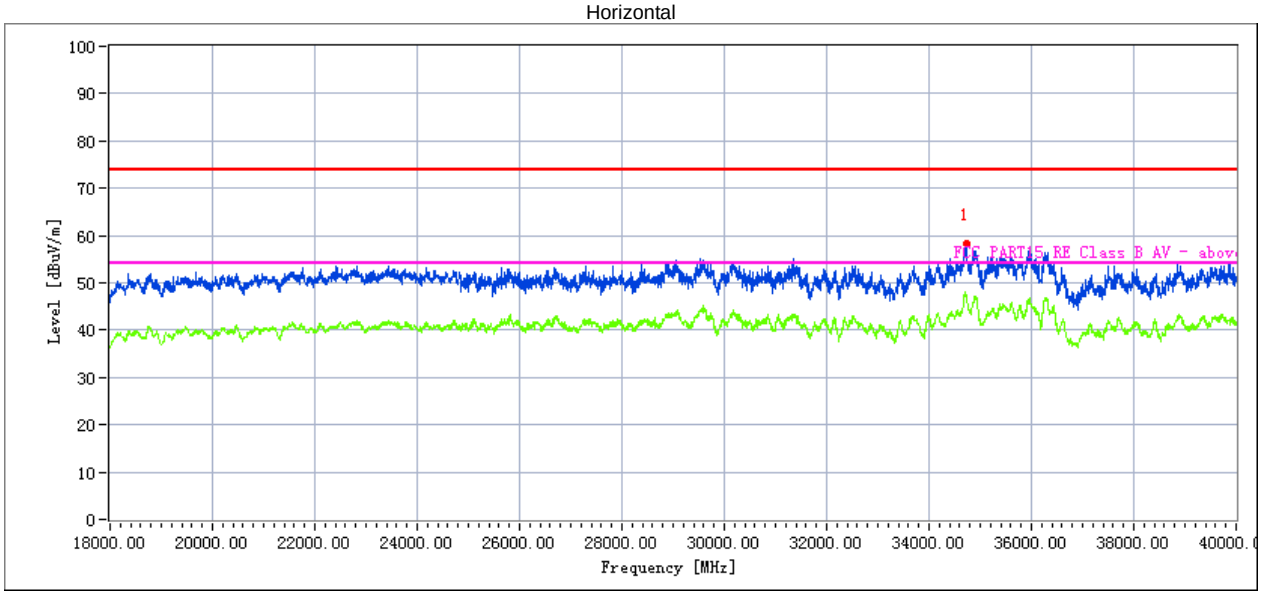
Measurement Result:

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
34897.903	41.58	19.11	42.73	44.61	58.81	68.20	9.39	Peak
34897.859	27.51	19.11	42.73	44.61	44.74	48.20	3.46	AVG

25dBi Antenna

High Channel (5700 MHz)-Above 1G

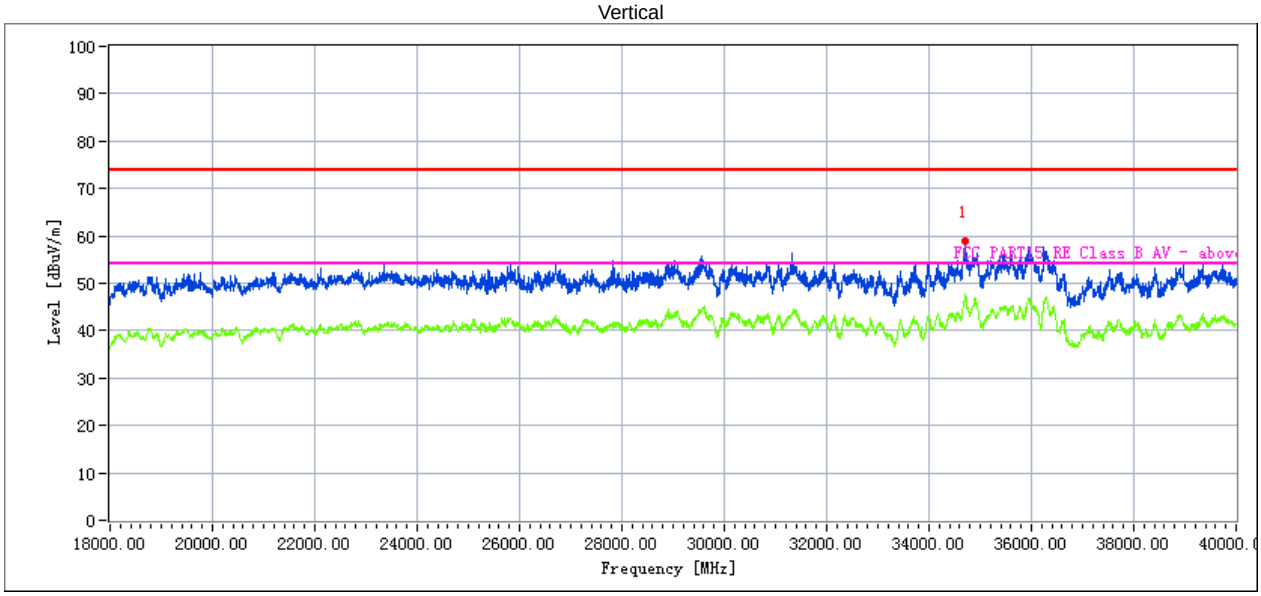
Horizontal



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
34723.208	37.94	20.09	44.07	43.48	58.62	68.20	9.58	Peak
34723.400	24.30	20.09	44.04	43.48	44.95	48.20	3.25	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
34706.869	38.91	20.09	44.07	43.48	59.59	68.20	8.61	Peak
34706.821	23.85	20.09	44.04	43.48	44.50	48.20	3.70	AVG

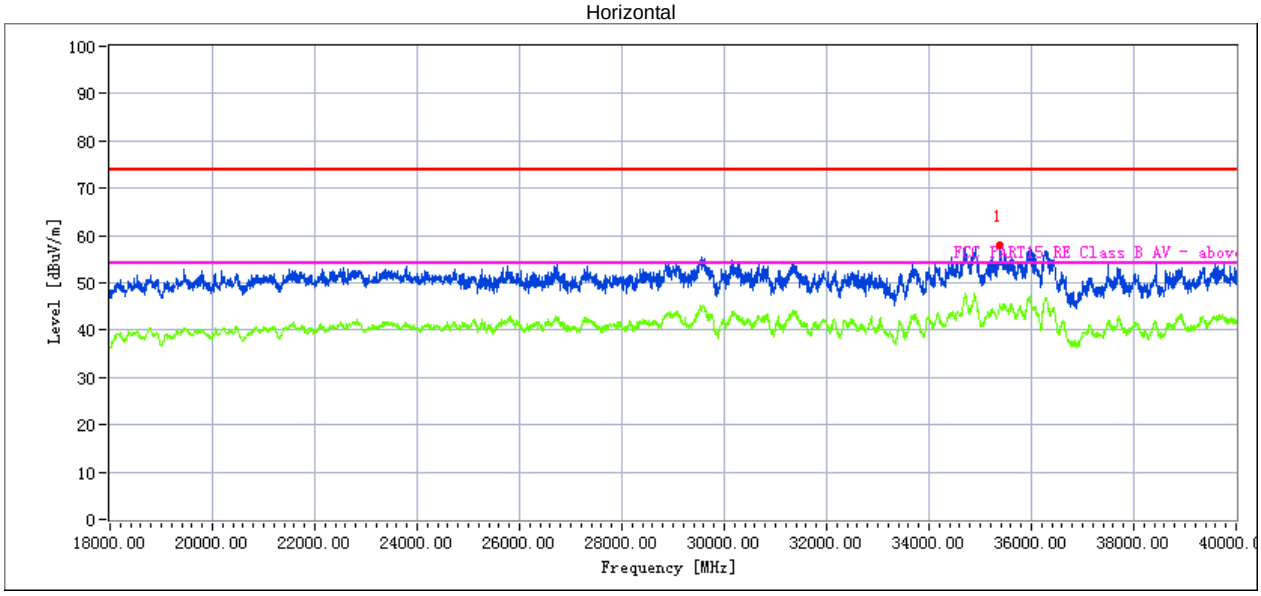
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

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

25dBi Antenna

Low Channel (5745 MHz)-Above 1G

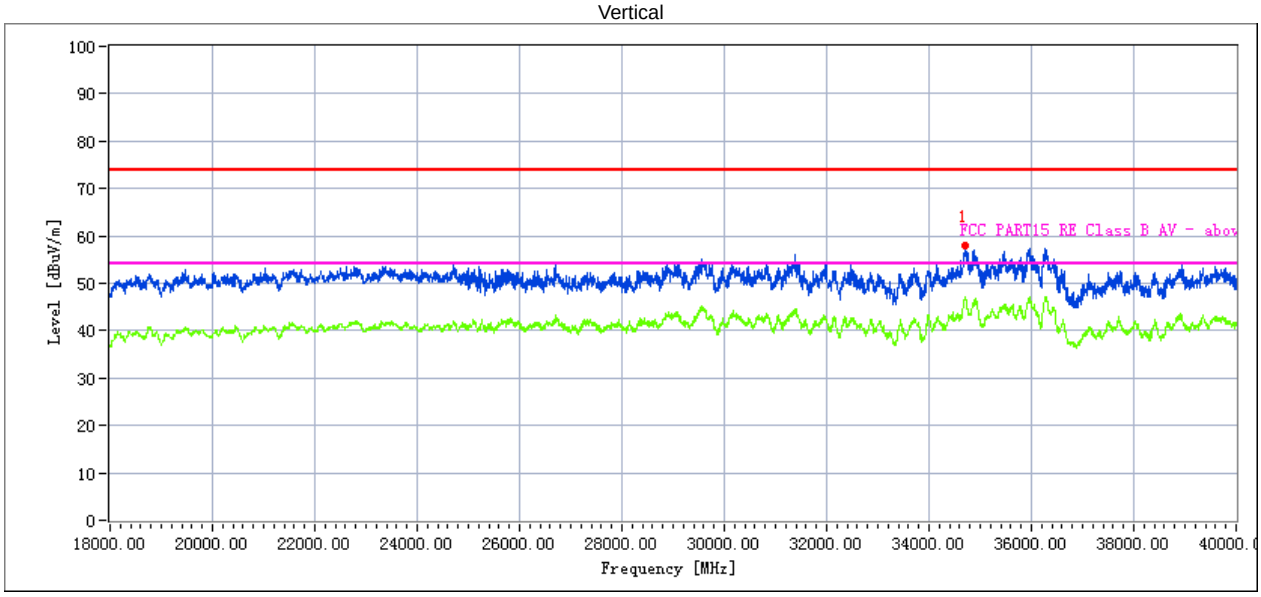
Horizontal



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
35382.355	38.59	20.09	44.16	43.48	59.36	68.20	8.84	Peak
35382.390	23.90	20.09	44.16	43.48	44.67	48.20	3.53	AVG

Vertical

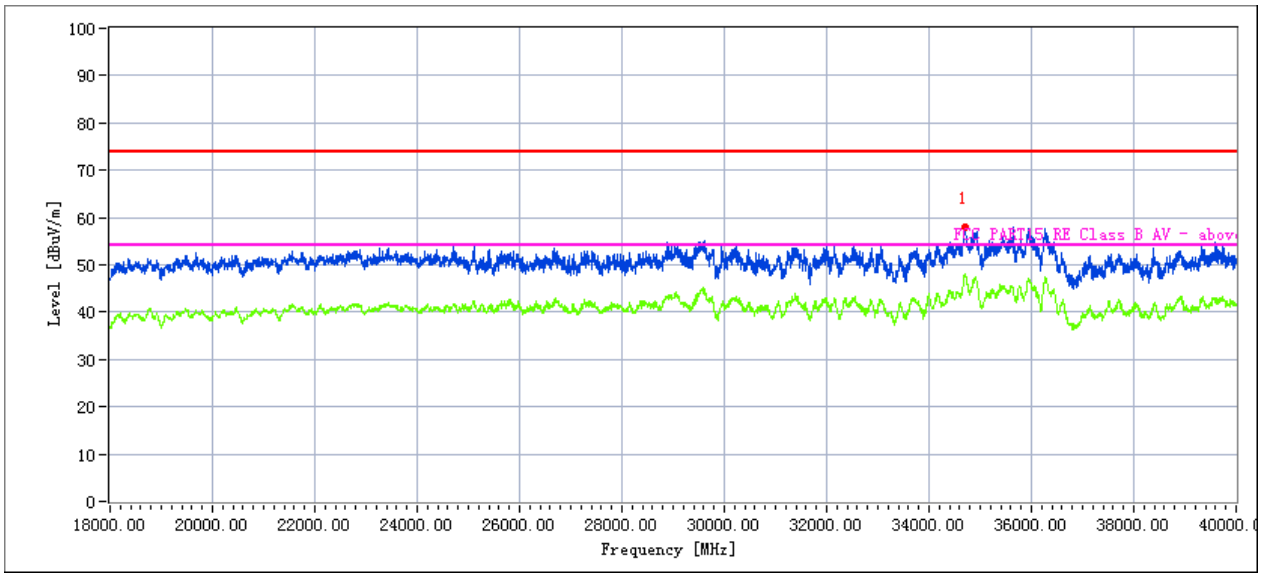


Measurement Result:

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
34716.692	41.25	19.11	42.63	43.48	59.51	68.20	8.69	Peak
34716.797	27.25	19.12	42.63	43.48	45.52	48.20	2.68	AVG

25dBi Antenna
High Channel (5825 MHz)-Above 1G

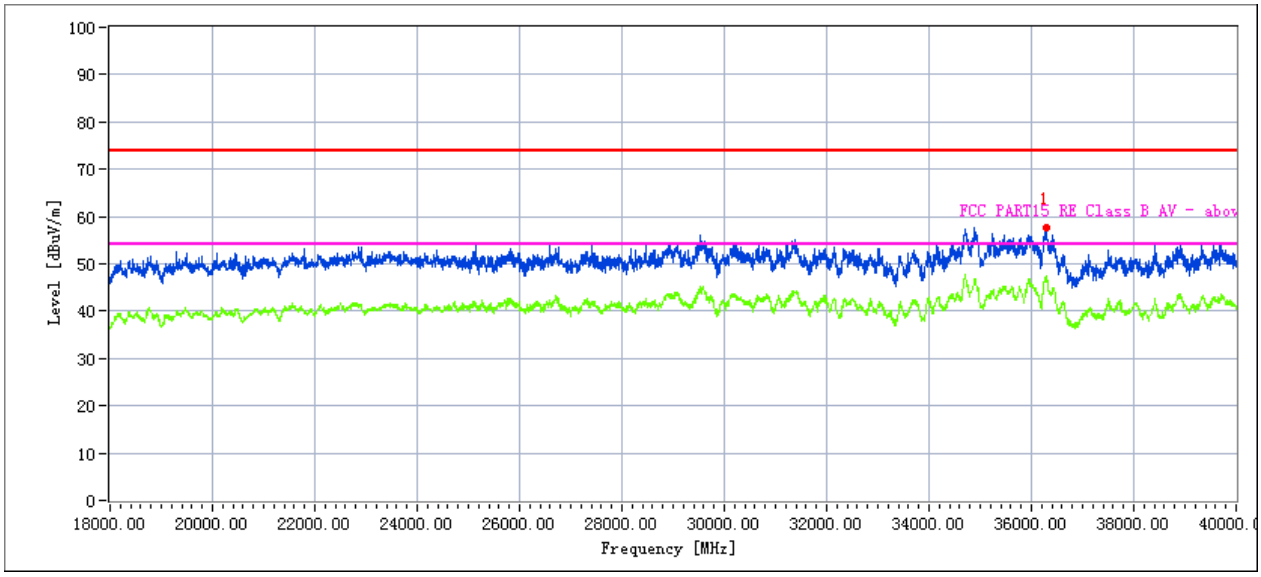
Horizontal



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
34702.317	38.01	20.06	44.07	43.21	58.93	68.20	9.27	Peak
34702.327	23.56	20.06	44.07	43.21	44.48	48.20	3.72	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
36277.461	38.53	20.10	44.10	43.22	59.51	68.20	8.69	Peak
36277.594	23.95	20.10	44.10	43.22	44.93	48.20	3.27	AVG

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

EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
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.

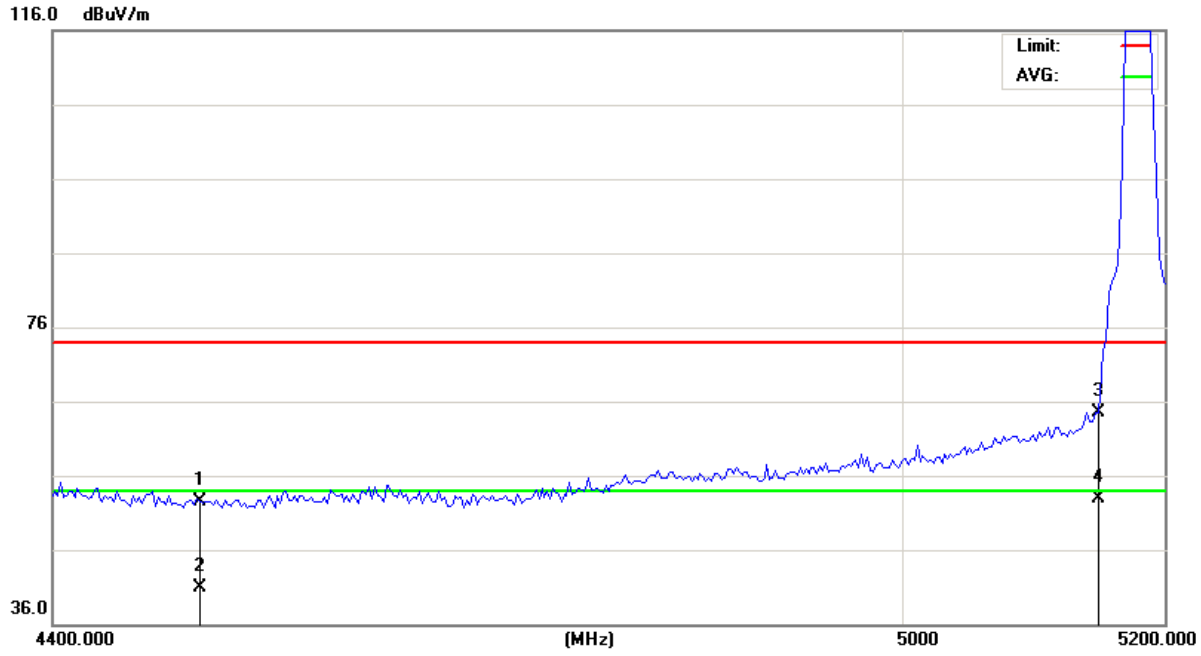
8dBi Antenna

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	34.36	18.11	52.47	74.00	-21.53	peak
V	4500.000	22.85	18.11	40.96	54.00	-13.04	AVG
V	5150.000	46.72	17.74	64.46	74.00	-9.54	peak
V	5150.000	35.13	17.74	52.87	54.00	-1.13	AVG

Remark:

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

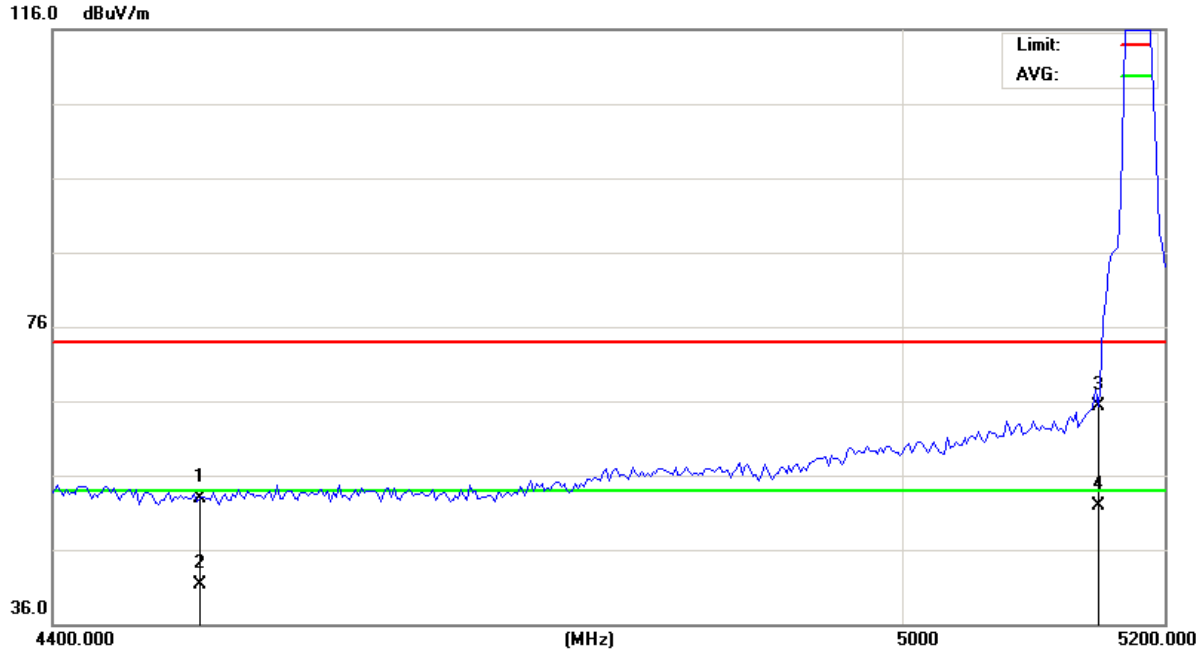


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	4500.000	34.83	18.11	52.94	74.00	-21.06	peak
H	4500.000	23.27	18.11	41.38	54.00	-12.62	AVG
H	5150.000	47.63	17.74	65.37	74.00	-8.63	peak
H	5150.000	34.17	17.74	51.91	54.00	-2.09	AVG

Remark:

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



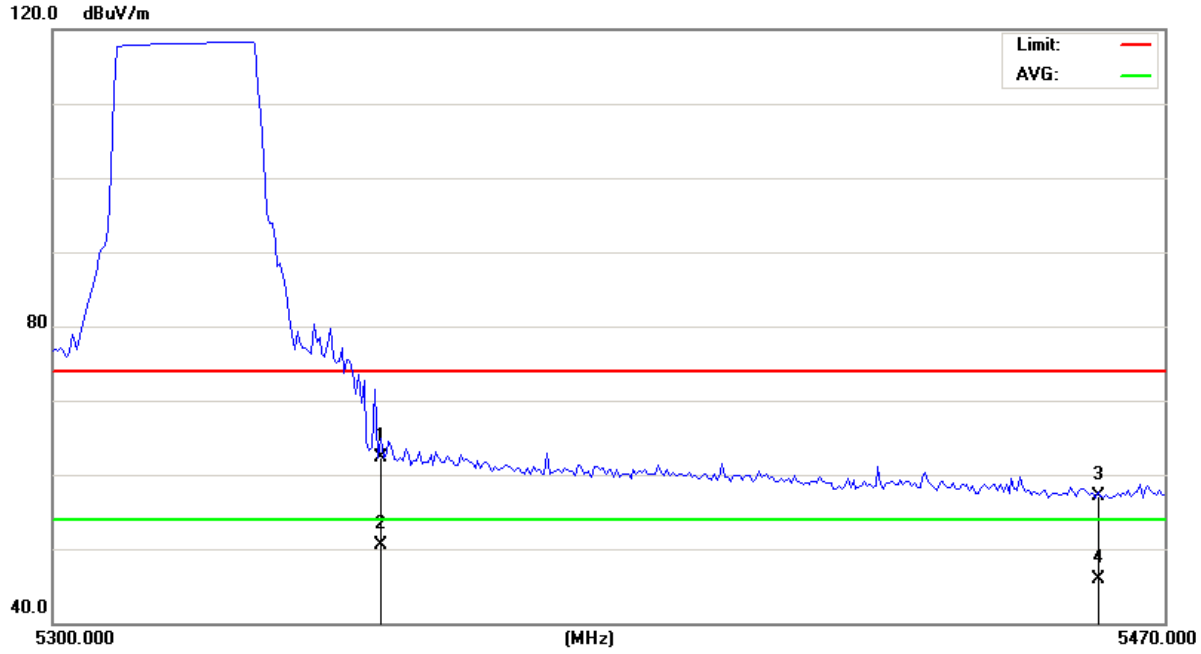
Note: The test report records only the worst-case test values.

8dBi Antenna
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	43.11	19.11	62.22	74.00	-11.78	peak
V	5350.000	31.38	19.11	50.49	54.00	-3.51	AVG
V	5460.000	38.13	19.02	57.15	74.00	-16.85	peak
V	5460.000	26.83	19.02	45.85	54.00	-8.15	AVG

Remark:

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

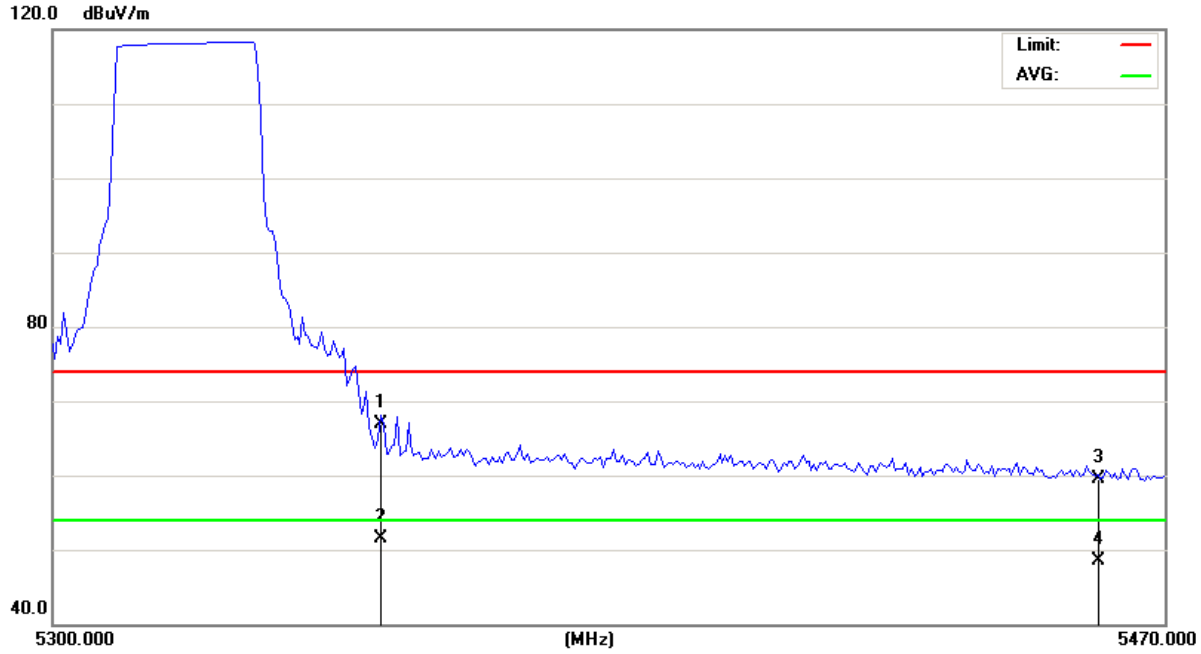


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	47.82	19.11	66.93	74.00	-7.07	peak
H	5350.000	32.45	19.11	51.56	54.00	-2.44	AVG
H	5460.000	40.42	19.02	59.44	74.00	-14.56	peak
H	5460.000	29.45	19.02	48.47	54.00	-5.53	AVG

Remark:

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



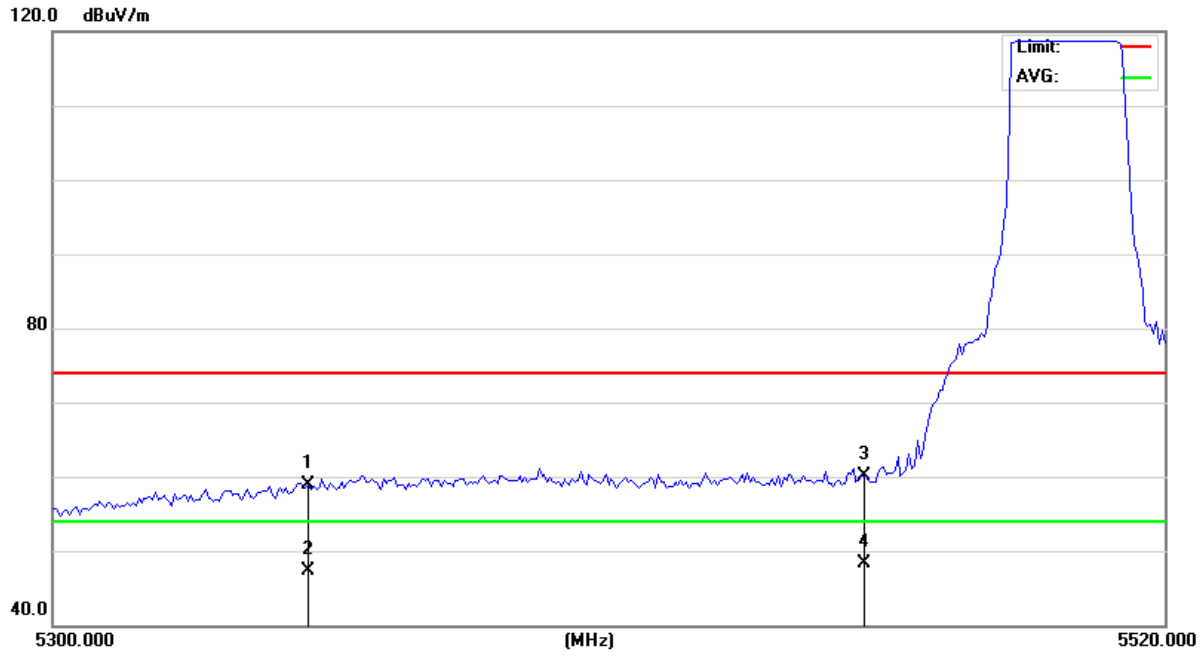
Note: The test report records only the worst-case test values.

8dBi Antenna
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	39.77	19.11	58.88	74.00	-15.12	peak
V	5350.000	28.18	19.11	47.29	54.00	-6.71	AVG
V	5460.000	41.08	19.02	60.10	74.00	-13.90	peak
V	5460.000	29.24	19.02	48.26	54.00	-5.74	AVG

Remark:

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

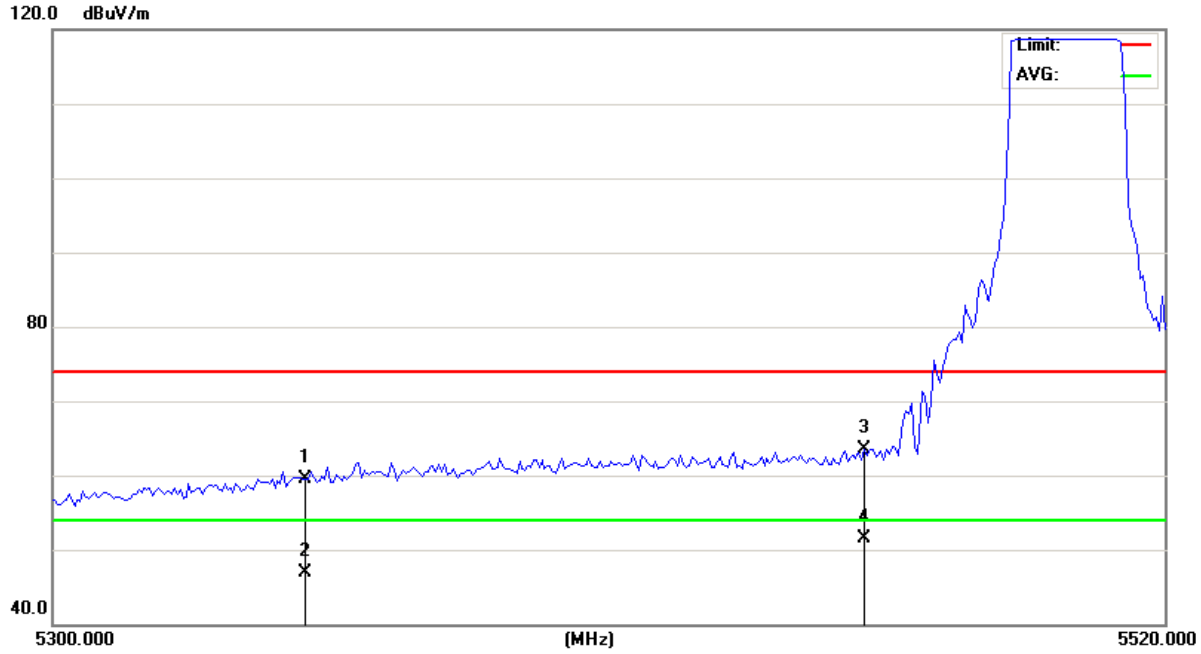


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	40.36	19.11	59.47	74.00	-14.53	peak
H	5350.000	27.76	19.11	46.87	54.00	-7.13	AVG
H	5460.000	44.42	19.02	63.44	74.00	-10.56	peak
H	5460.000	32.44	19.02	51.46	54.00	-2.54	AVG

Remark:

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



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

EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
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.

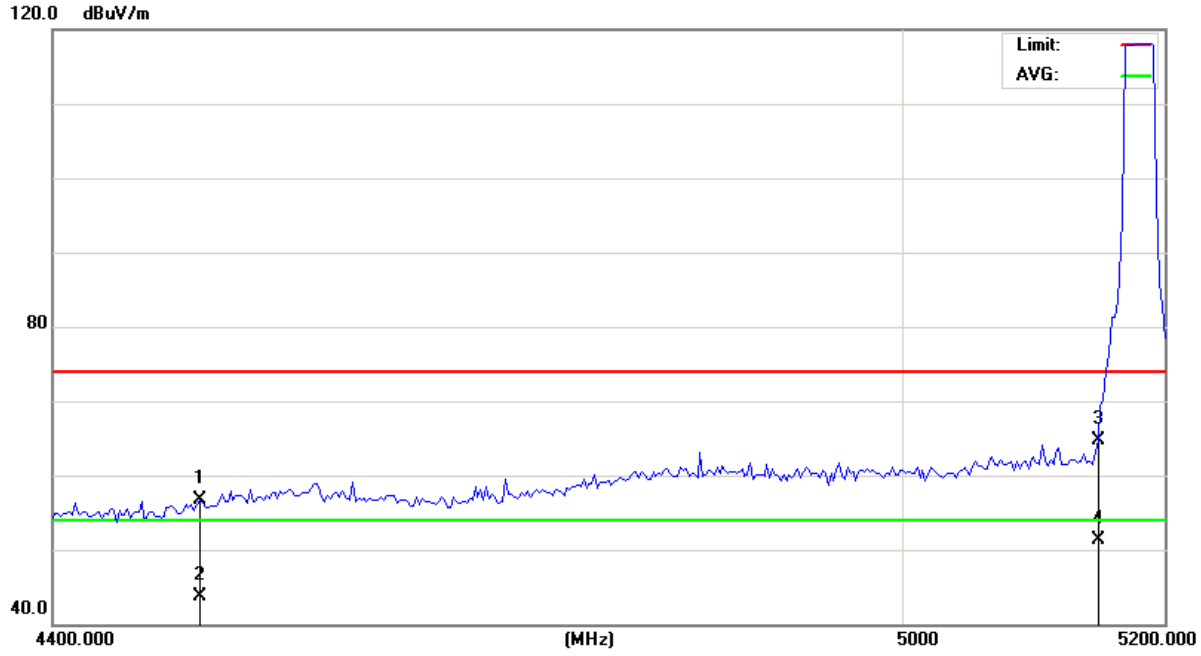
25dBi Antenna

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	38.52	18.11	56.63	74.00	-17.37	peak
V	4500.000	25.68	18.11	43.79	54.00	-10.21	AVG
V	5150.000	46.90	17.74	64.64	74.00	-9.36	peak
V	5150.000	33.49	17.74	51.23	54.00	-2.77	AVG

Remark:

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

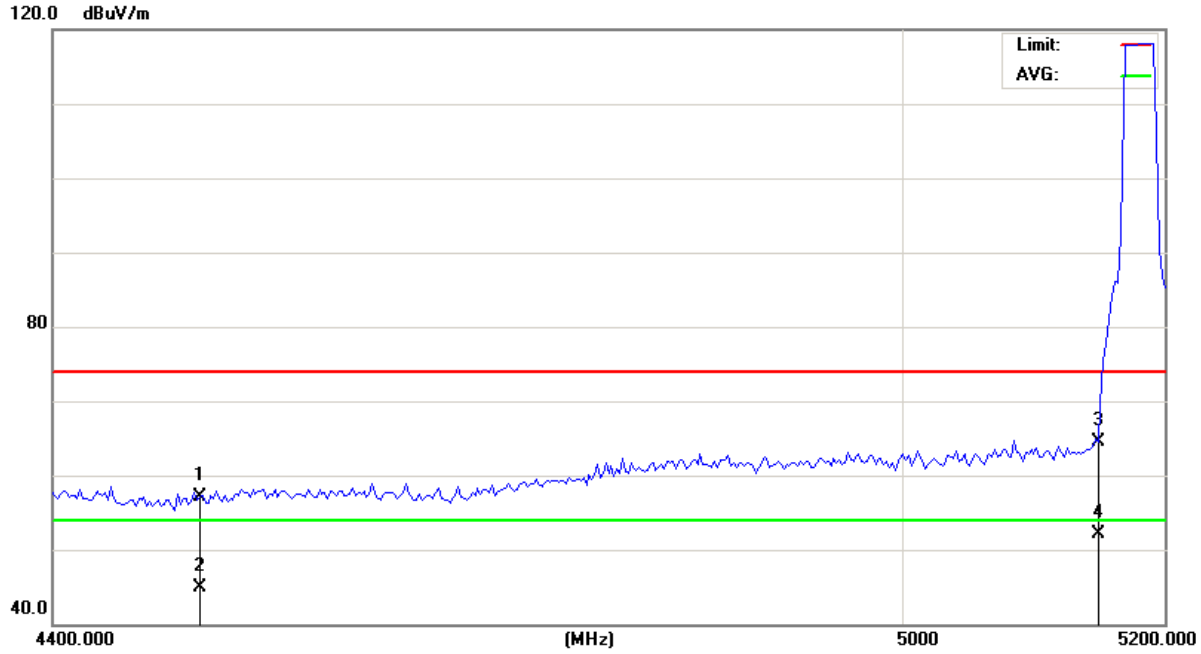


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	4500.000	39.05	18.11	57.16	74.00	-16.84	peak
H	4500.000	26.74	18.11	44.85	54.00	-9.15	AVG
H	5150.000	46.76	17.74	64.50	74.00	-9.50	peak
H	5150.000	34.31	17.74	52.05	54.00	-1.95	AVG

Remark:

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



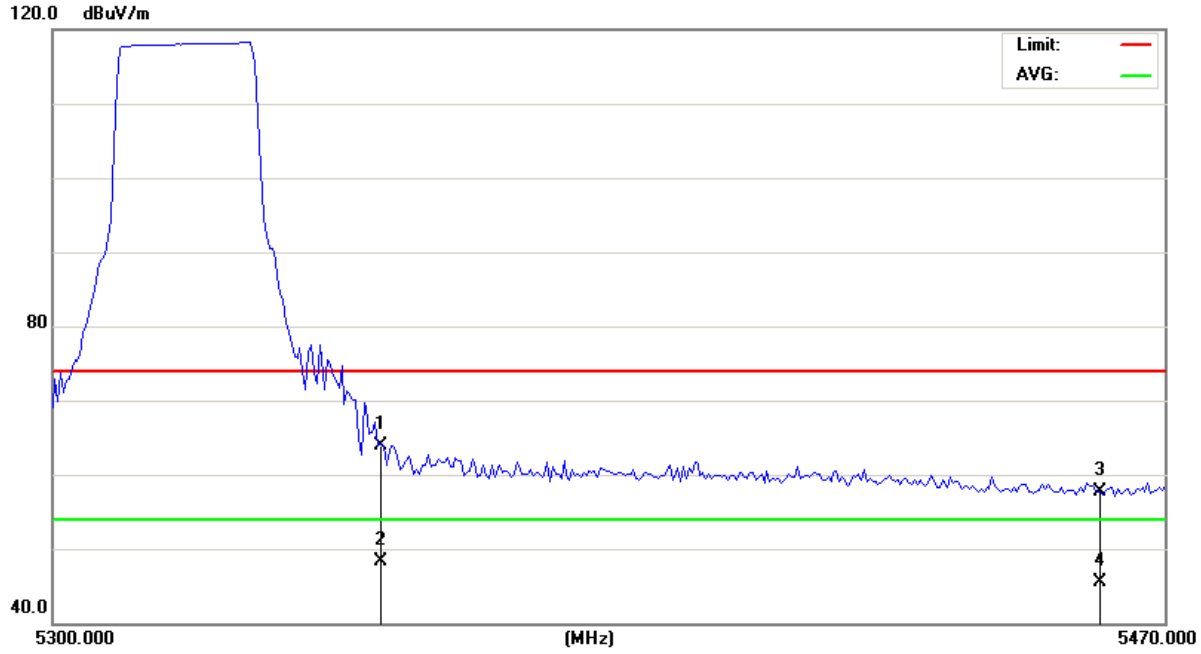
Note: The test report records only the worst-case test values.

25dBi Antenna
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	44.85	19.11	63.96	74.00	-10.04	peak
V	5350.000	29.19	19.11	48.30	54.00	-5.70	AVG
V	5460.000	38.72	19.02	57.74	74.00	-16.26	peak
V	5460.000	26.48	19.02	45.50	54.00	-8.50	AVG

Remark:

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

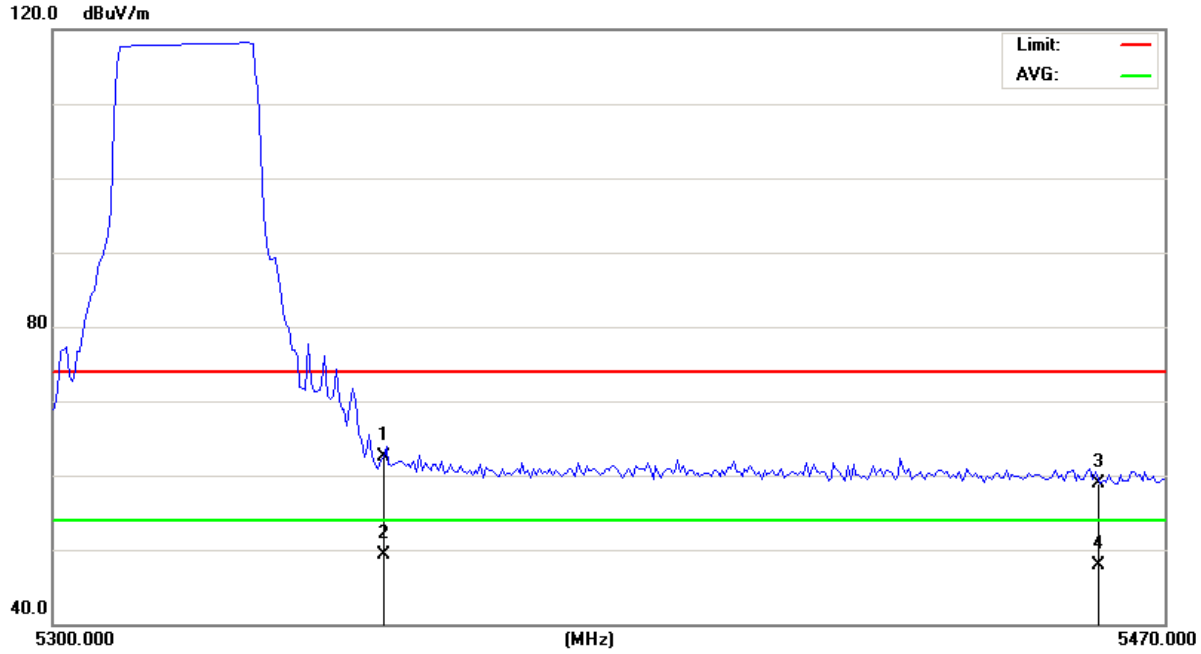


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	43.31	19.11	62.42	74.00	-11.58	peak
H	5350.000	30.14	19.11	49.25	54.00	-4.75	AVG
H	5460.000	39.86	19.02	58.88	74.00	-15.12	peak
H	5460.000	28.94	19.02	47.96	54.00	-6.04	AVG

Remark:

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



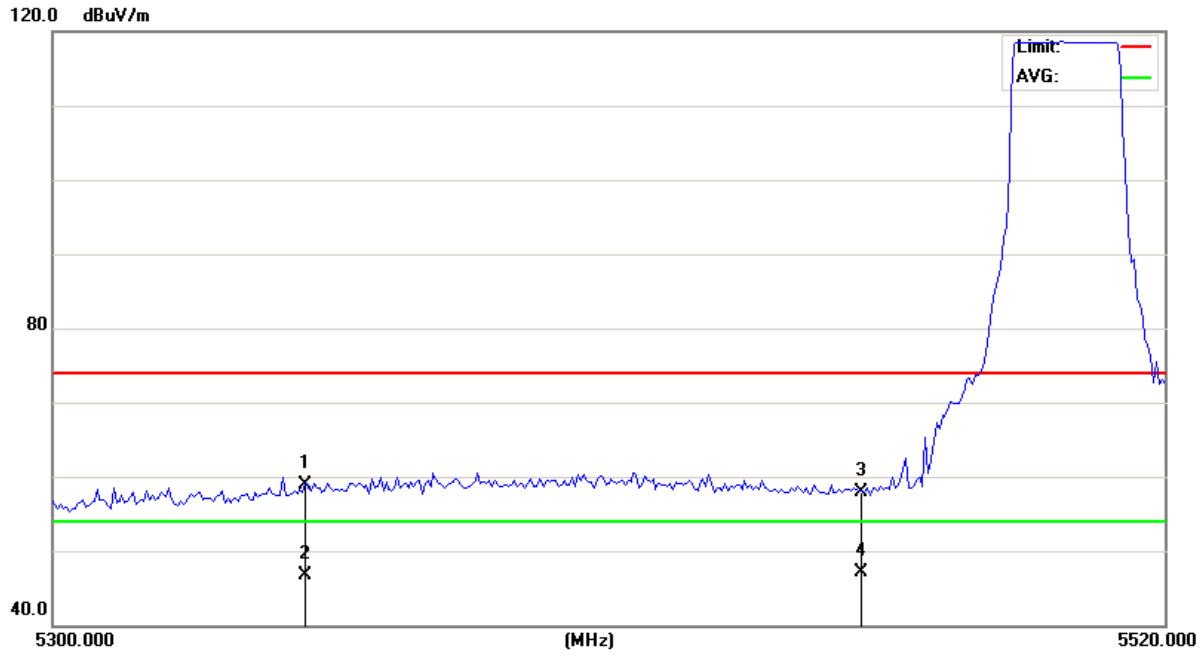
Note: The test report records only the worst-case test values.

25dBi Antenna
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	39.81	19.11	58.92	74.00	-15.08	peak
V	5350.000	27.56	19.11	46.67	54.00	-7.33	AVG
V	5460.000	38.81	19.02	57.83	74.00	-16.17	peak
V	5460.000	28.13	19.02	47.15	54.00	-6.85	AVG

Remark:

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

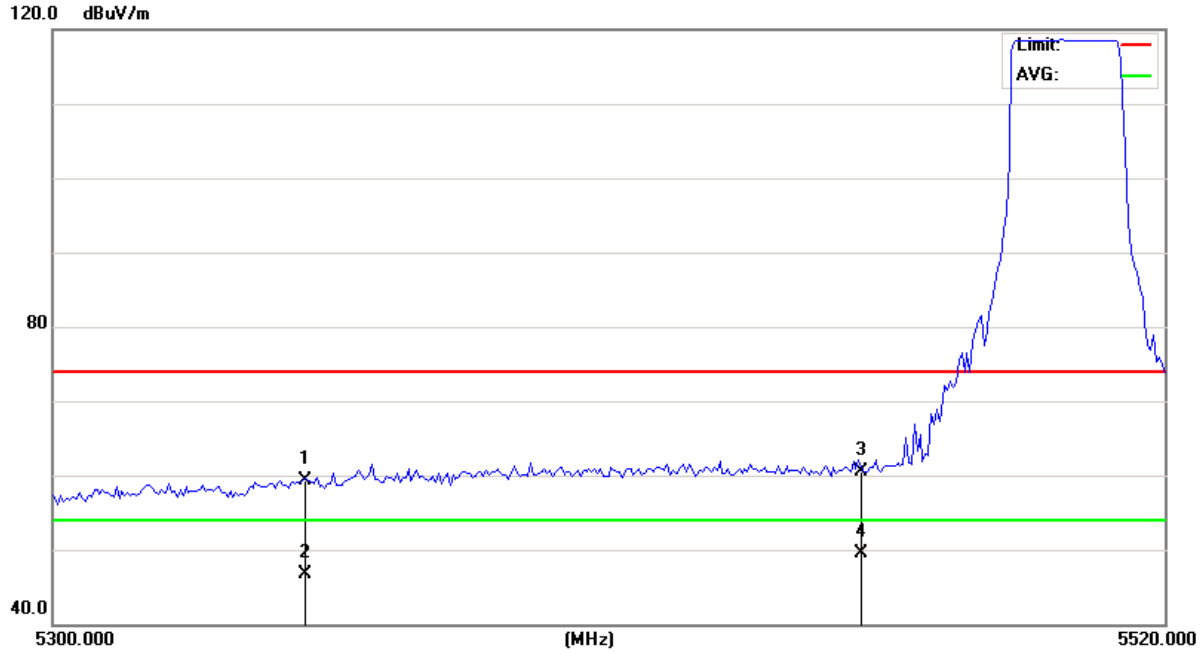


Note: The test report records only the worst-case test values.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	5350.000	40.27	19.11	59.38	74.00	-14.62	peak
H	5350.000	27.55	19.11	46.66	54.00	-7.34	AVG
H	5460.000	41.46	19.02	60.48	74.00	-13.52	peak
H	5460.000	30.48	19.02	49.50	54.00	-4.50	AVG

Remark:

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



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

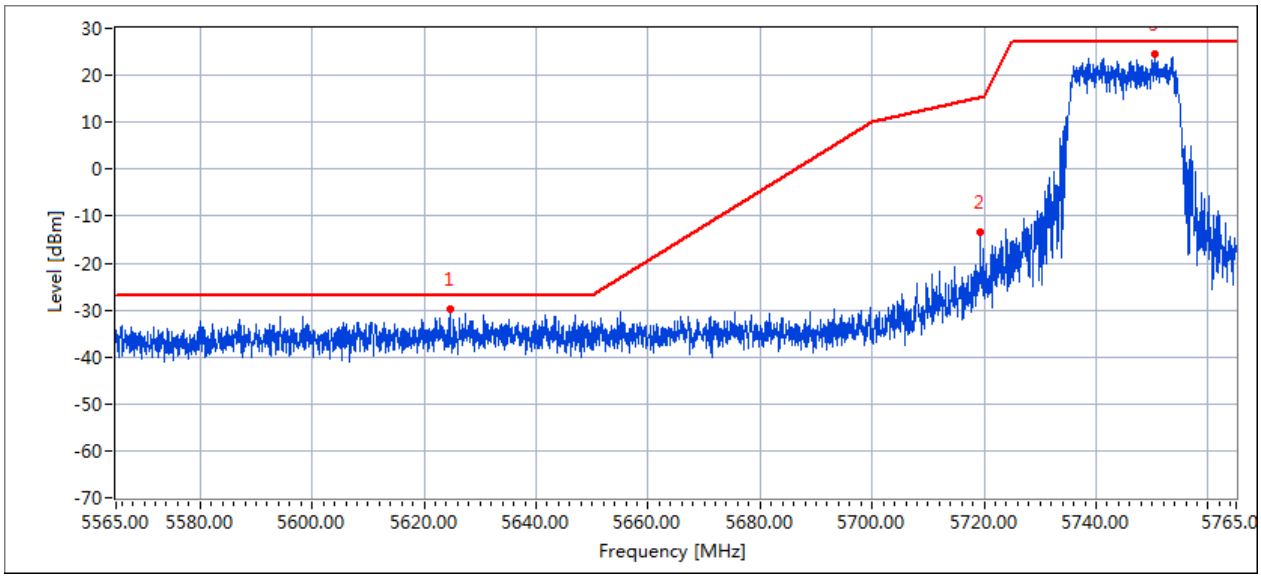
EUT：	C6x	Model Name. ：	C6x
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4 (5.8G MIMO Mode)		

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

8dBi Antenna

802.11ax20 5745MHz Horizontal

Measurement Plot:

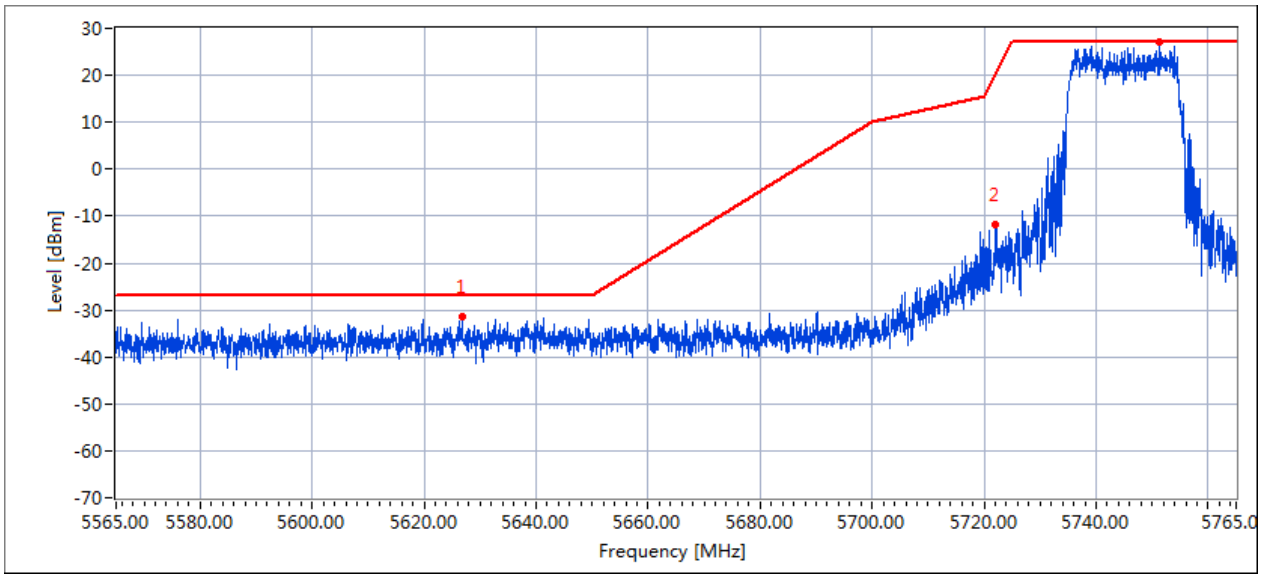


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5625.01	-29.8	-27	2.8
5718.852	-13.3	15.3	28.6
5750.748	24.6	27	2.4

802.11ax20 5745MHz Vertical

Measurement Plot:

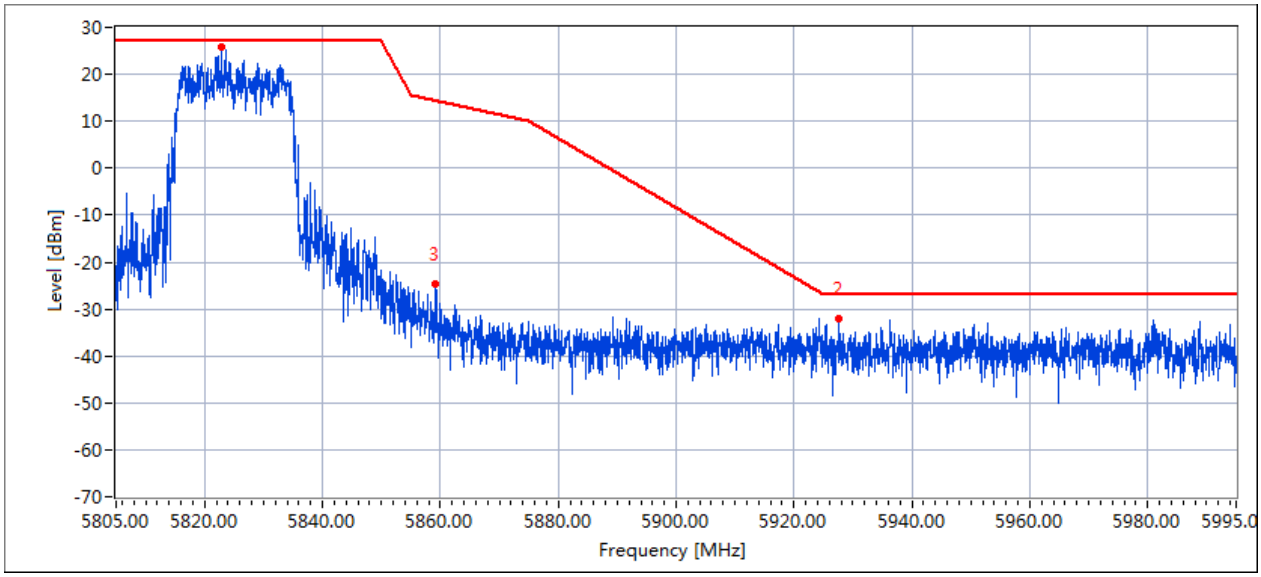


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5627.052	-31.4	-27	4.4
5721.833	-11.8	19.8	31.6
5751.302	25.9	27	1.1

802.11ax20 5825MHz Horizontal

Measurement Plot:

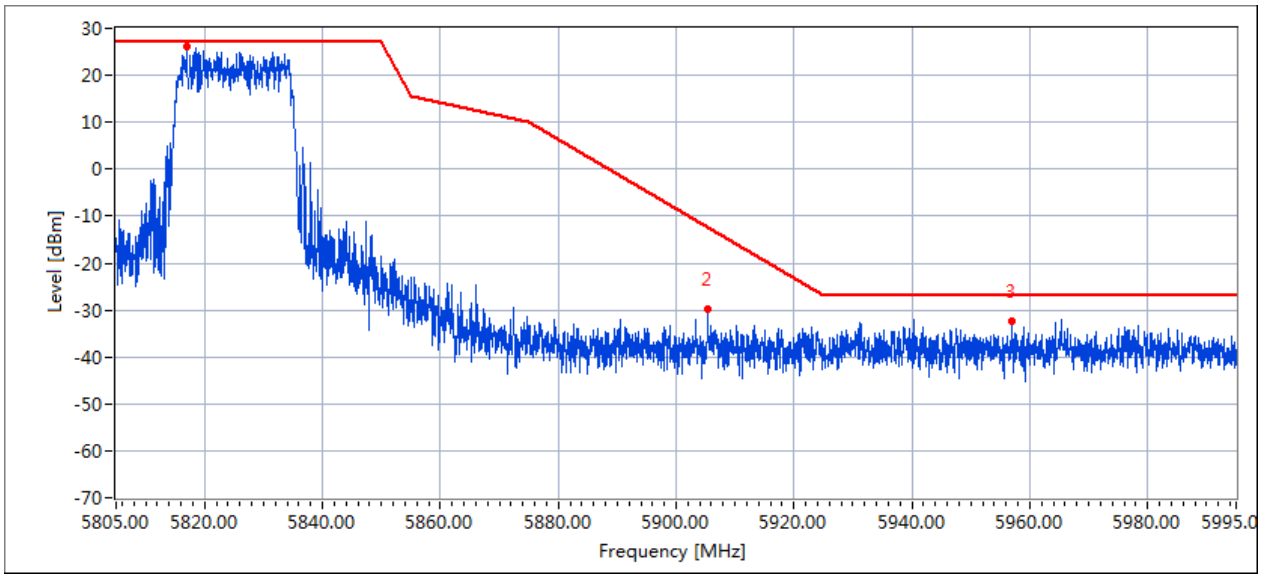


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5822.766	25.8	27	1.2
5927.951	-32.1	-27	5.1
5858.756	-24.6	14.5	39.1

802.11ax20 5825MHz Vertical

Measurement Plot:

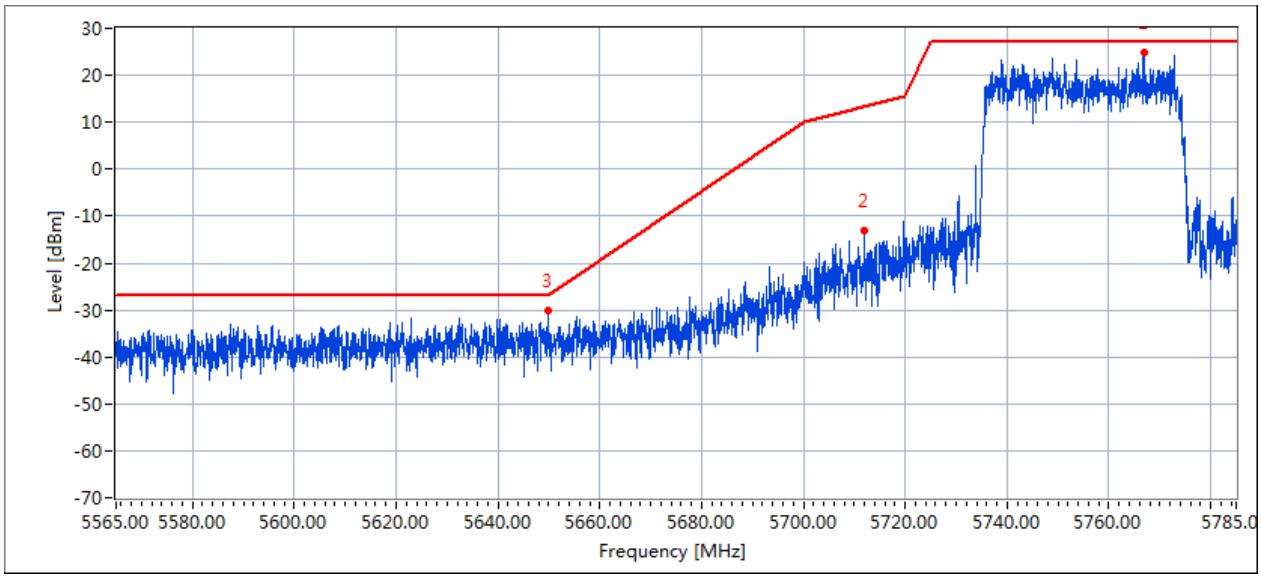


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5816.819	26.2	27	0.8
5905.369	-29.9	-12.5	17.4
5956.813	-32.3	-27	5.3

802.11ax40 5755MHz Horizontal

Measurement Plot:

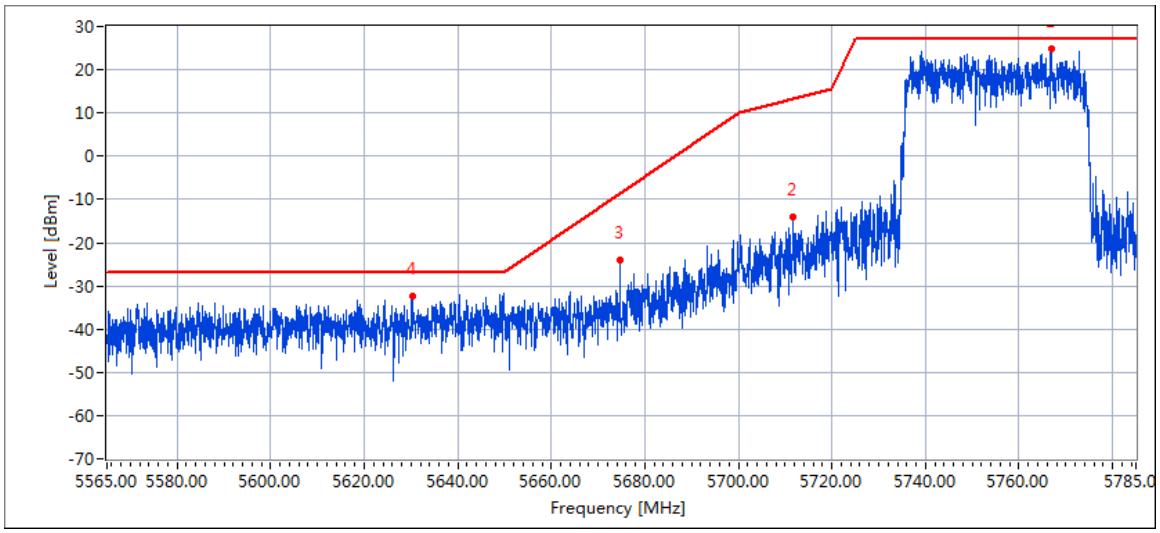


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5766.847	24.7	27	2.3
5712.143	-13.1	13.4	26.5
5650.215	-30	-26.8	3.2

802.11ax40 5755MHz Vertical

Measurement Plot:

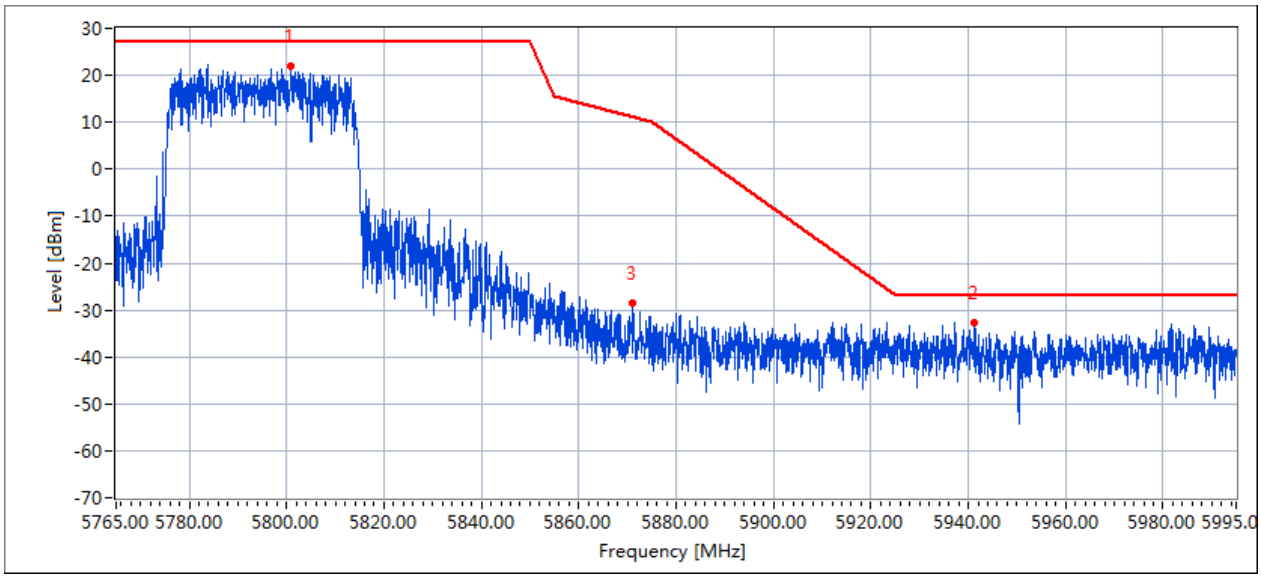


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5766.377	24.7	27	2.3
5711.284	-14.1	13.2	27.3
5674.86	-24.2	-8.6	15.6
5630.033	-32.4	-27	5.4

802.11ax40 5795MHz Horizontal

Measurement Plot:

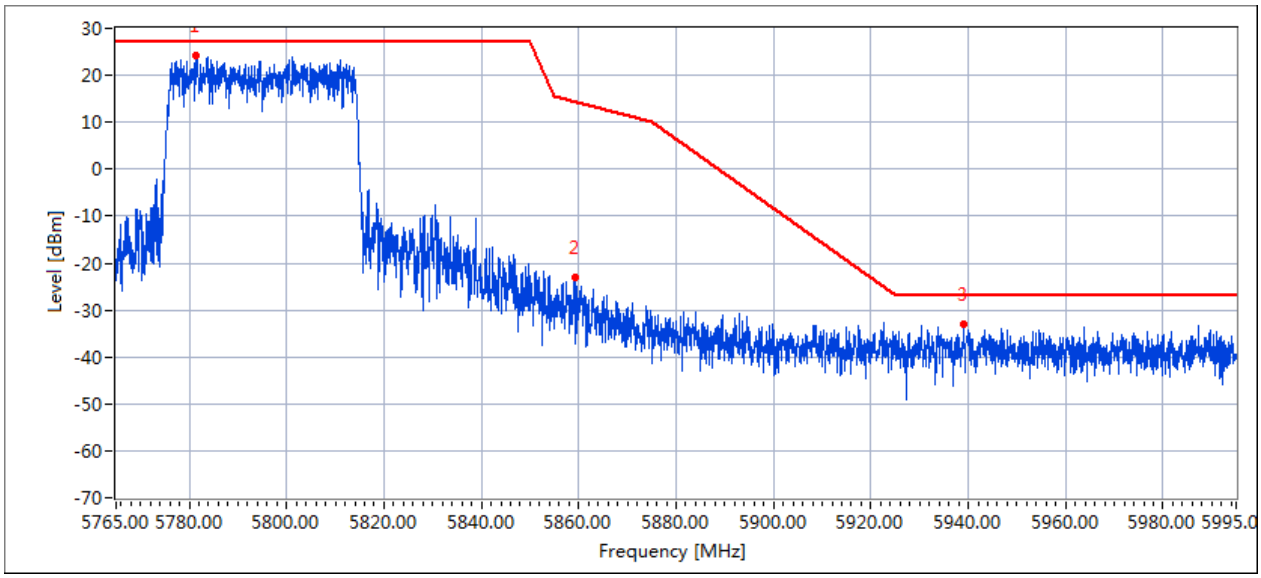


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5801.388	21.9	27	5.1
5941.133	-32.6	-27	5.6
5871.24	-28.4	11.1	39.5

802.11ax40 5795MHz Vertical

Measurement Plot:

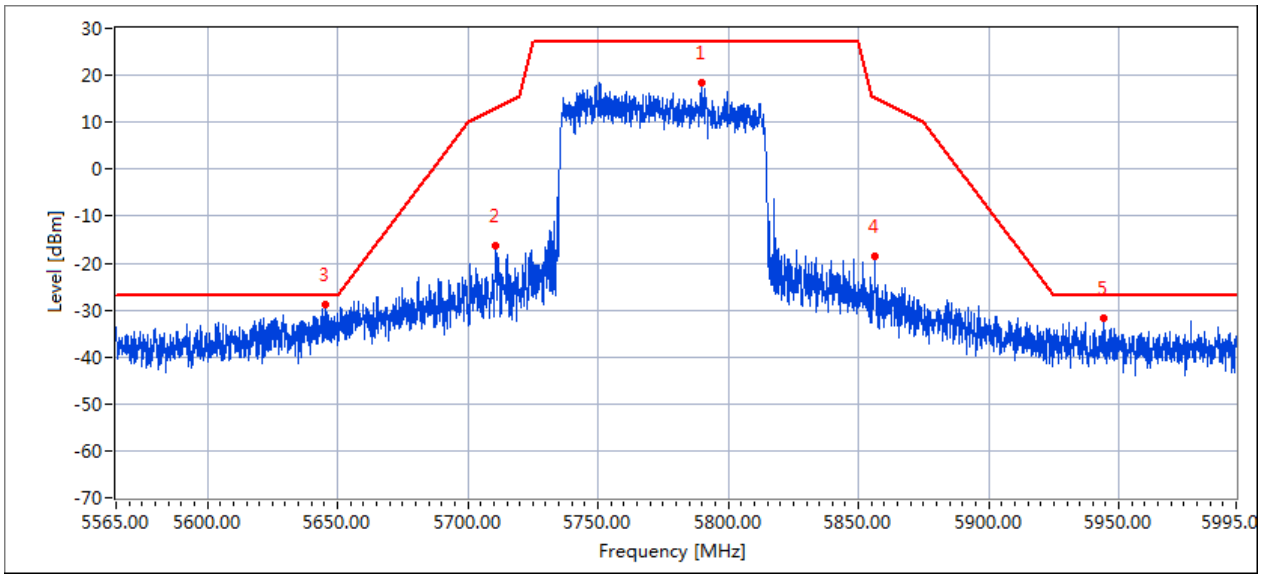


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5781.021	24.2	27	2.8
5859.067	-22.9	14.5	37.4
5939.357	-33.1	-27	6.1

802.11ax80 5775MHz Horizontal

Measurement Plot:

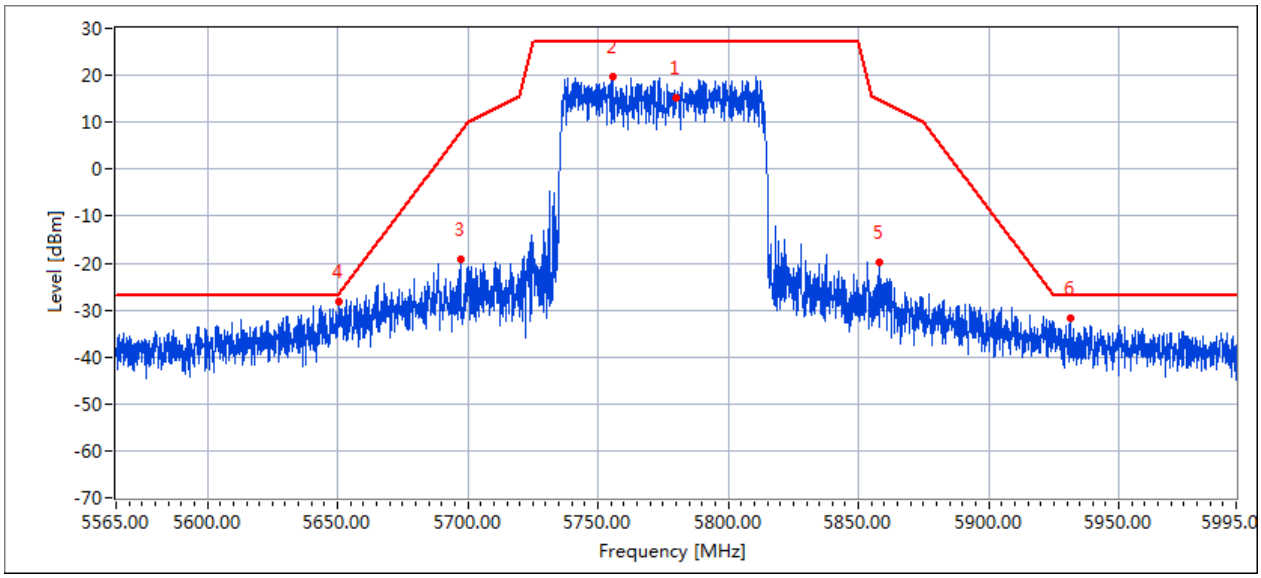


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5789.98	18.3	27	8.7
5710.66	-16.2	13	29.2
5645.257	-28.9	-27	1.9
5856.631	-18.6	15.1	33.7
5944.326	-31.8	-27	4.8

802.11ax80 5775MHz Vertical

Measurement Plot:



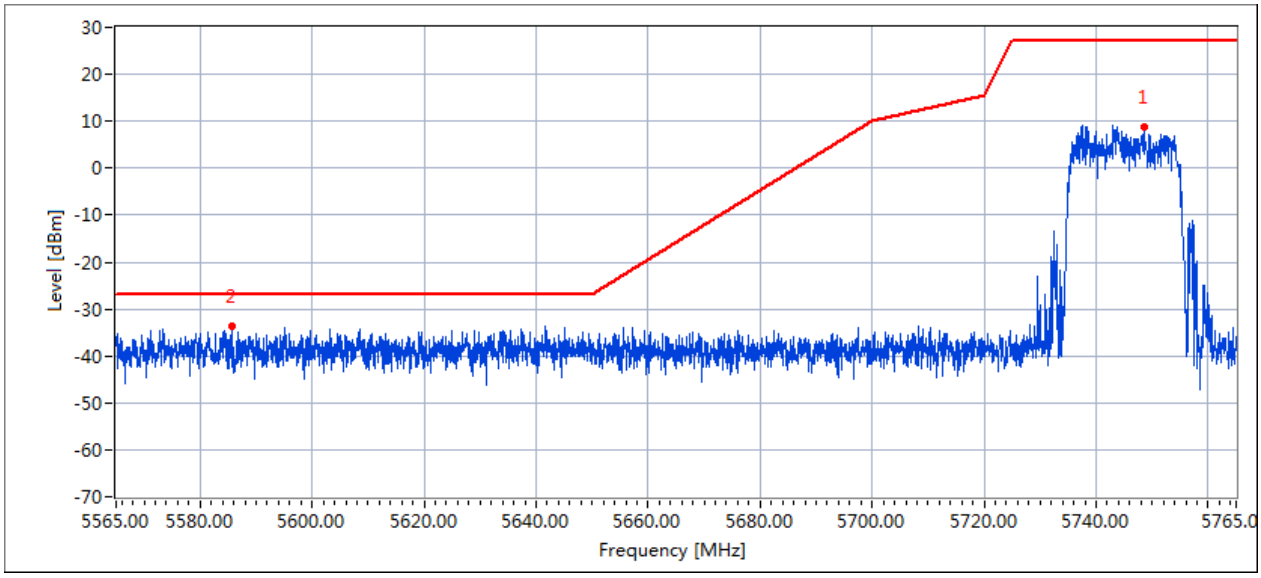
Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5779.336	15.1	27	11.9
5755.779	19.8	27	7.2
5696.704	-19.1	7.6	26.7
5650.068	-28.2	-26.9	1.3
5857.554	-19.8	14.9	34.7
5931.243	-31.6	-27	4.6

25dBi Antenna

802.11ax20 5745MHz Horizontal

Measurement Plot:

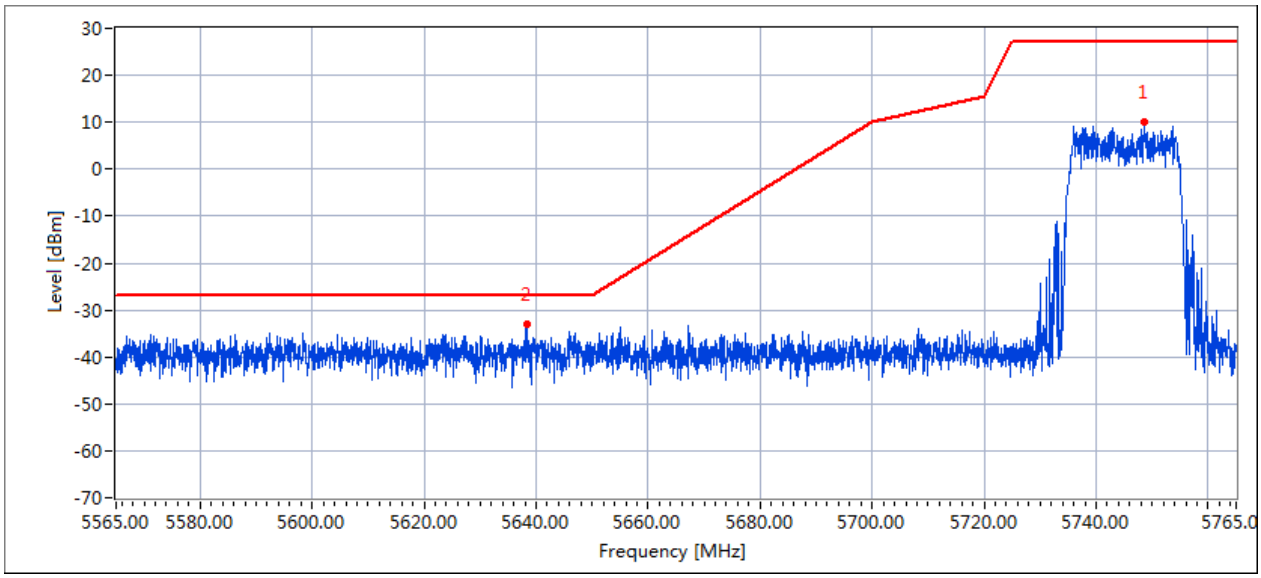


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5748.676	8.8	27	18.2
5586.005	-33.5	-27	6.5

802.11ax20 5745MHz Vertical

Measurement Plot:

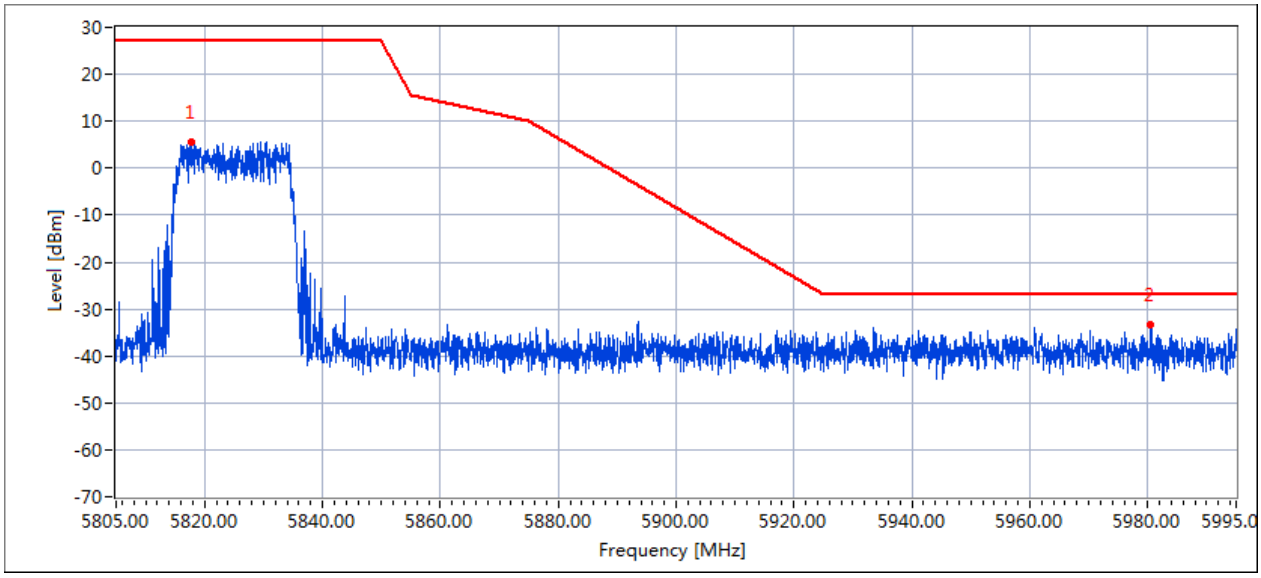


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5748.843	10	27	17
5638.302	-33.2	-27	6.2

802.11ax20 5825MHz Horizontal

Measurement Plot:

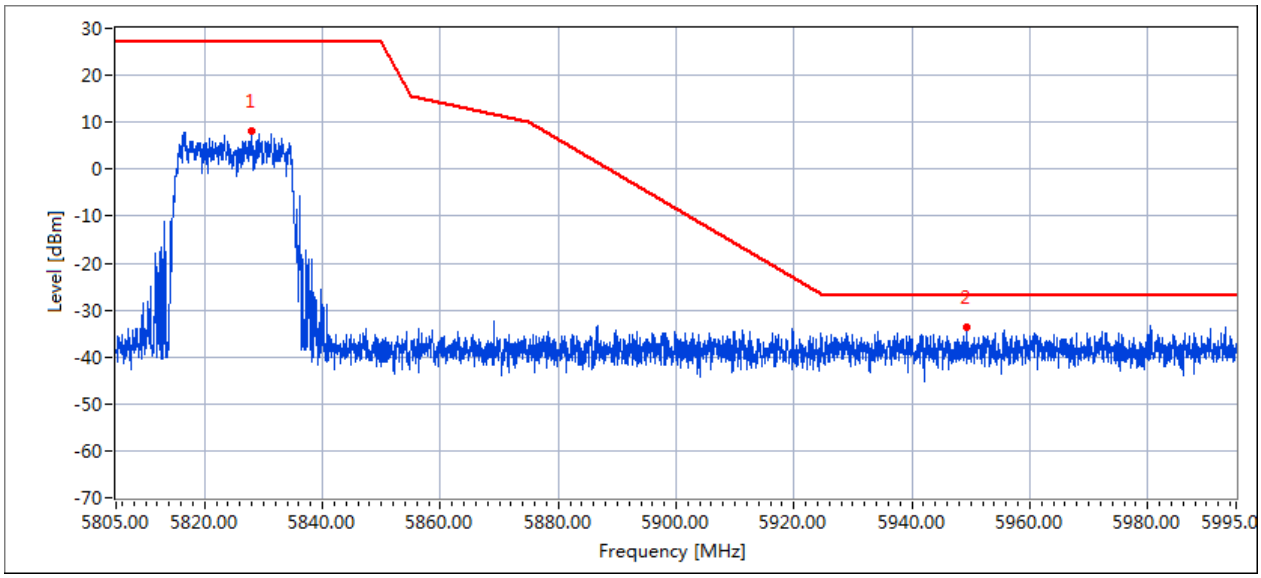


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5817.562	5.6	27	21.4
5980.071	-33.5	-27	6.5

802.11ax20 5825MHz Vertical

Measurement Plot:

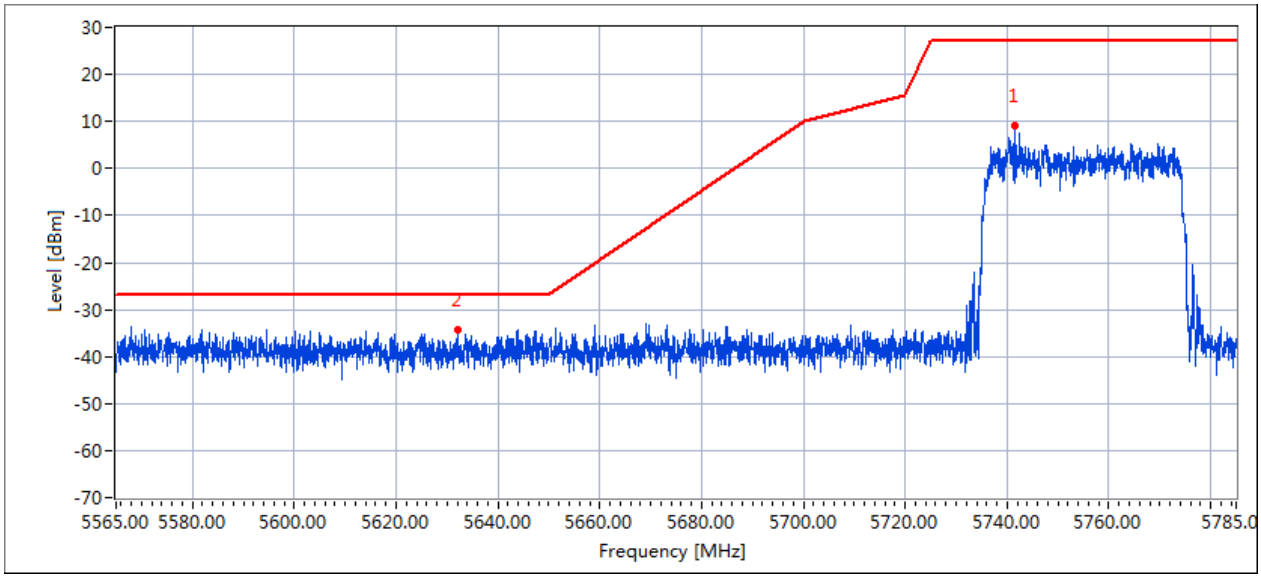


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5827.749	8.2	27	18.8
5948.915	-33.7	-27	6.7

802.11ax40 5755MHz Horizontal

Measurement Plot:

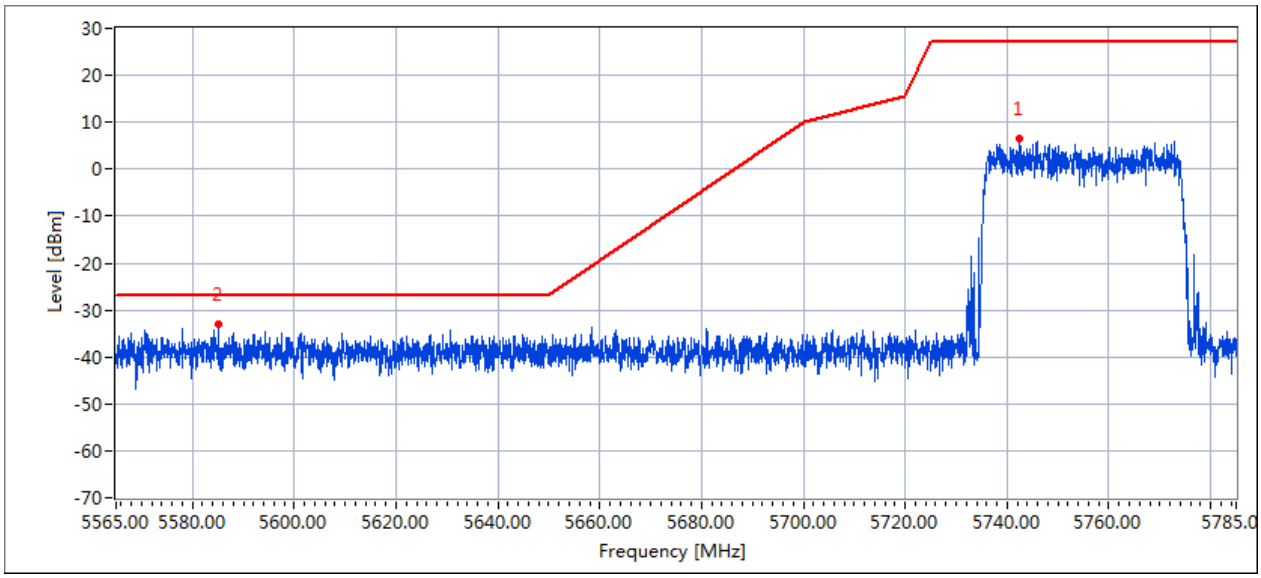


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5741.743	9.1	27	17.9
5632.585	-34.5	-27	7.5

802.11ax40 5755MHz Vertical

Measurement Plot:

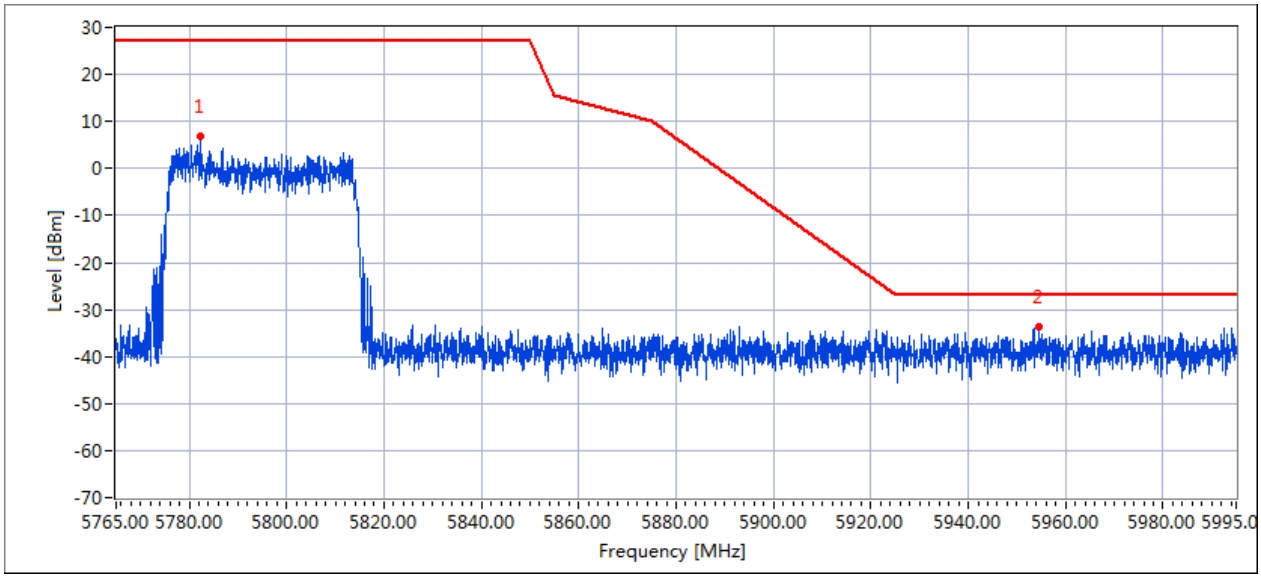


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5742.061	6.7	27	20.3
5585.059	-33.1	-27	6.1

802.11ax40 5795MHz Horizontal

Measurement Plot:

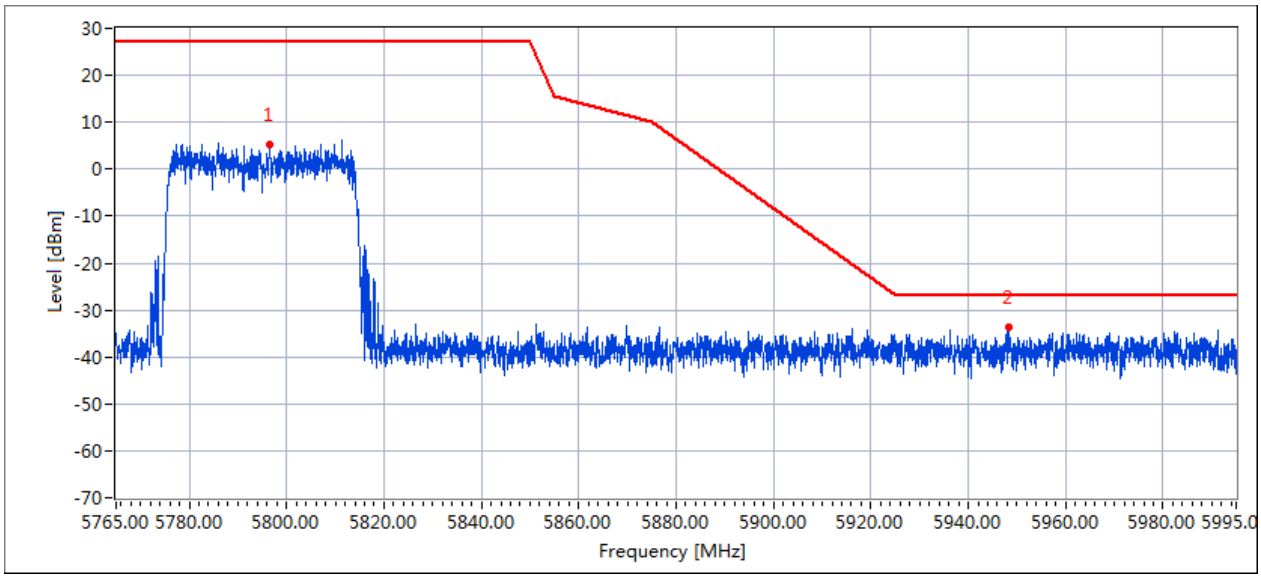


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5782.61	6.9	27	20.1
5954.977	-33.5	-27	6.5

802.11ax40 5795MHz Vertical

Measurement Plot:

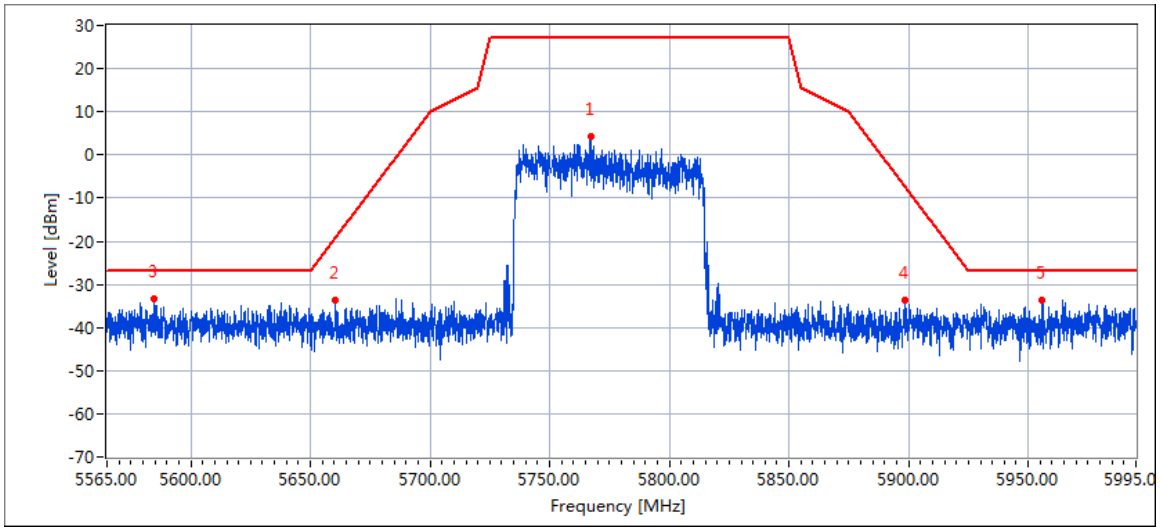


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5796.505	5.2	27	21.8
5947.943	-33.5	-27	6.5

802.11ax80 5775MHz Horizontal

Measurement Plot:

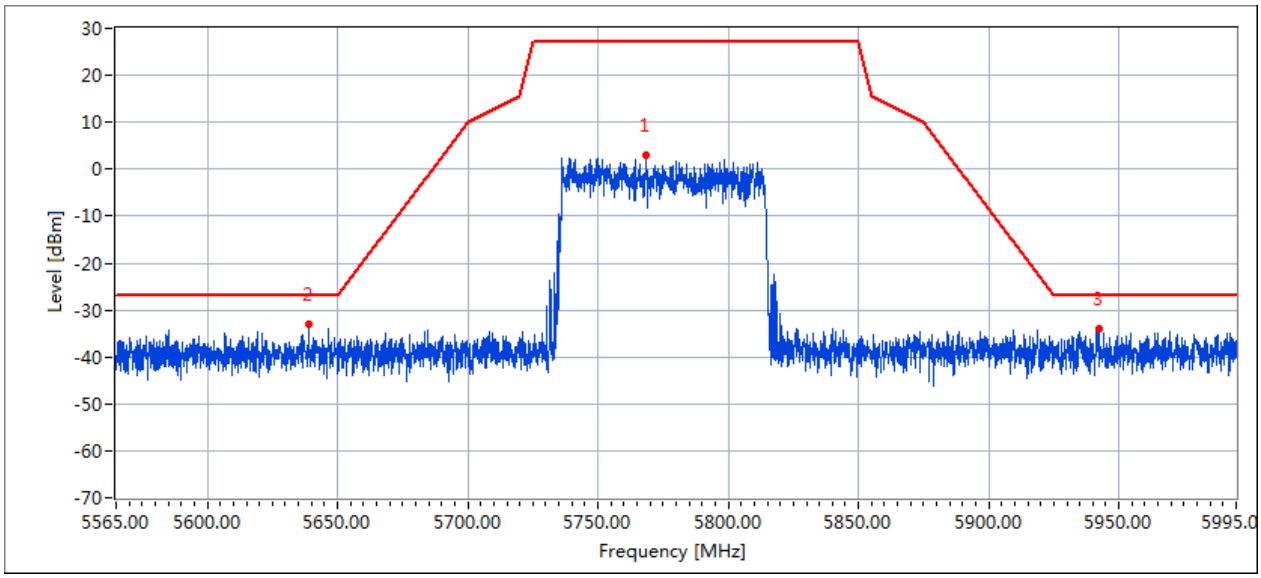


Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5767.229	4.3	27	22.7
5660.434	-33.8	-19.3	14.5
5585.283	-33.2	-27	6.2
5898.489	-33.8	-7.4	26.4
5955.971	-33.6	-27	6.6

802.11ax80 5775MHz Vertical

Measurement Plot:



Measurement Result:

Frequency MHz	Level (dBm)	Limit (dBm)	Margin (dB)
5768.178	2.9	27	24.1
5639.01	-32.9	-27	5.9
5942.136	-33.9	-27	6.9

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.l.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.

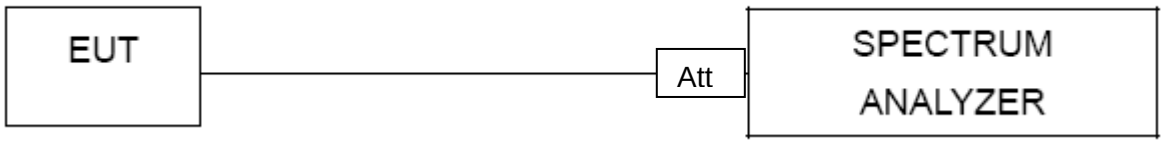
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

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：	C6x	Model Name. ：	C6x
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1015 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

Refer to section 2.2 of this report:

8dBi Antenna:
For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=11.01 dBi
11.01 dBi > 6.0 dBi, so power spectral density limit=17-(11.01-6)=11.99dBm / 1MHz;
For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=11.01 dBi
11.01 dBi > 6.0 dBi, so power spectral density limit=11-(11.01-6)=5.99dBm / 1MHz;
For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=11.01 dBi
11.01 dBi > 6.0 dBi, so power spectral density limit=11-(11.01-6)=-5.99dBm / 1MHz;
For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=11.01 dBi
11.01 dBi > 6.0 dBi, so power spectral density limit=30-(11.01-6)=24.99dBm / 500kHz;

25dBi Antenna:
For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=28.01 dBi
28.01 dBi > 6.0 dBi, so power spectral density limit=17-(28.01-6)=-5.01dBm / 1MHz;
For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=28.01 dBi
28.01 dBi > 6.0 dBi, so power spectral density limit=11-(28.01-6)=-11.01dBm / 1MHz;
For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=28.01 dBi
28.01 dBi > 6.0 dBi, so power spectral density limit=11-(28.01-6)=-11.01dBm / 1MHz;
For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=28.01 dBi
28.01 dBi > 6.0 dBi, so power spectral density limit=30-(28.01-6)=7.99dBm / 500kHz;

Test data reference attachment.

3.4 26DB & 99% EMISSION BANDWIDTH

3.4.1 APPLIED PROCEDURES / LIMIT

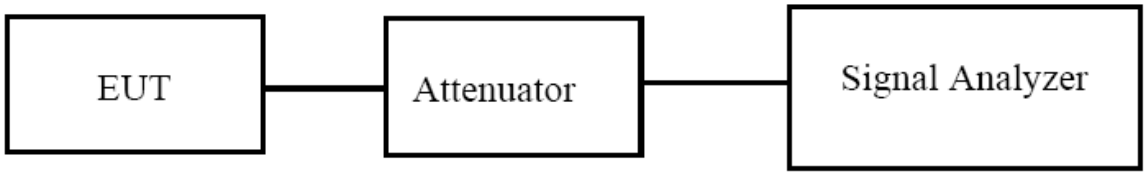
The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band 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：	C6x	Model Name. ：	C6x
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1012 hPa	Test Voltage ：	DC 24V
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.

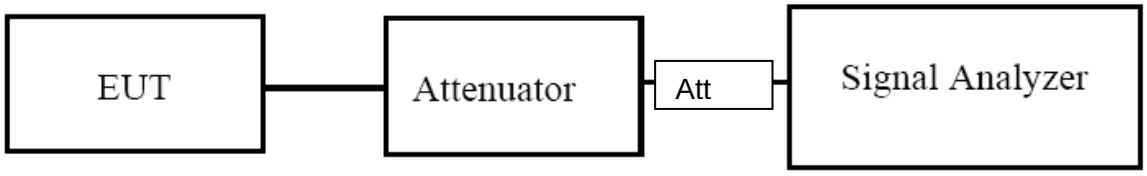
f) Allow the trace to stabilize.

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：	C6x	Model Name. ：	C6x
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 24V
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

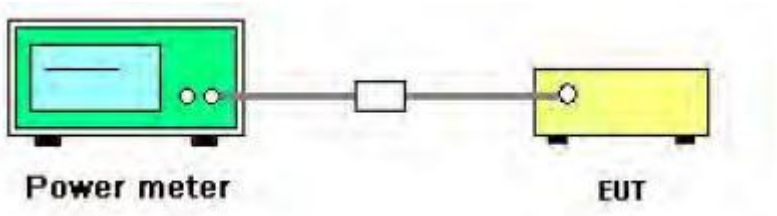
· Measurement using a Power Meter (PM):

1. The EUT is configured to transmit with a constant duty cycle.
2. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
3. Measure the duty cycle, x.(a. The zero-span mode on a spectrum analyzer, b. If the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. c. Set RBW to the largest available value. d. Set VBW ≥ RBW. Set detector = peak or average.)
4. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
5. Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle.

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：	C6x	Model Name. ：	C6x
Temperature：	25 ℃	Relative Humidity：	60%
Pressure：	1012 hPa	Test Voltage ：	DC 24V
Test Mode ：	Mode 2/3/4/5		

Refer to section 2.2 of this report:

8dBi Antenna

For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=8dBi

8dBi > 6.0dBi, so power limit=30-(8-6)=28dBm;

For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=8dBi

8dBi > 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.)-(8-6);

For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=8dBi

8dBi > 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.)-(8-6);

For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=8dBi

8dBi > 6.0dBi, so power limit=30-(8-6)=28dBm;

25dBi Antenna

For 5.2G band outdoor AP, 802.11ac/ax has MIMO mode. Directional gain=25dBi

25dBi > 6.0dBi, so power limit=30-(25-6)=11dBm;

For 5.3G band, 802.11ac/ax has MIMO mode. Directional gain=25dBi

25dBi > 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.)-(25-6);

For 5.6G band, 802.11ac/ax has MIMO mode. Directional gain=25dBi

25dBi > 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.)-(25-6);

For 5.8G band, 802.11ac/ax has MIMO mode. Directional gain=25dBi

25dBi > 6.0dBi, so power limit=30-(25-6)=11dBm;

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).

For 8dBi antenna, the antenna gain at any elevation above 30 degrees (measured at 5.2 GHz) is less than or equal to 5.6dBi.

Frequency	Conducted Average Power (dBm)			EIRP	Limit
(MHz)	ANT 1	ANT 2	Total	(dBm)	(dBm)
802.11ax160					
5250	12.04	11.72	14.89	20.49	21

For 25dBi antenna, the antenna gain at any elevation above 30 degrees (measured at 5.2 GHz) is less than or equal to 1.3dBi.

Frequency	Conducted Average Power (dBm)			EIRP	Limit
(MHz)	ANT 1	ANT 2	Total	(dBm)	(dBm)
802.11ac80					
5210	3.89	3.96	6.94	8.24	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.

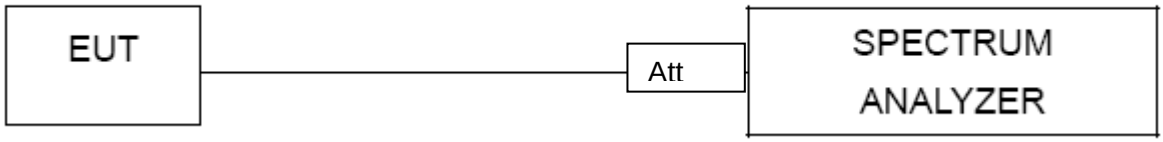
3.7.2 TEST PROCEDURE

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. Refer to section II.G.3.d) and II.G.5. of KDB789033 D02, setting the analyzer as follows. RBW = 1 MHz, VBW ≥ 3 MHz, Detector = Peak, Sweep time = auto, Trace mode = max hold, setting the EUT as continuous transmission and Maximum power levels.
4. Plot the graph with marking the highest edge frequency point.
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：	C6x	Model Name. ：	C6x
Temperature：	25 ℃	Relative Humidity：	56%
Pressure：	1012 hPa	Test Voltage ：	DC 24V

Conducted Measurements data reference attachment.
Radiated emission Measurements data reference section 3.2 of this reports.

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 2.5 of this test report.

3.8.3TEST SETUP

Please refer to Section 3.7.4 of this test report.

3.8.4TEST 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. Refer to section II.G.1., G.2., G3., G4. and II.G.5. of KDB789033 D02, setting the analyzer as follows.

RBW = 1 MHz, VBW ≥ 3 MHz, Detector = Peak, Sweep time = auto, Trace mode = max hold, setting the EUT as continuous transmission and Maximum power levels.

4. Plot the graph with marking the highest edge frequency point.
5. Repeat above procedures until all measured frequencies were complete.

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.

Conducted Measurements data reference attachment.
Radiated emission Measurements data reference section 3.2 of this reports.

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 Internal: Integral Panel Antenna, and additional flexible external (Screw on) cassegrain antenna options. It comply with the standard requirement.

5. DYNAMIC FREQUENCY SELECTION(DFS)

Test results reference to the DFS test report.

6. AUTOMATICALLY DISCONTINUE TRANSMISSION

Requirements: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

Results: C6x is a TDD (time division duplex) device. During normal mode of operation, when there is no data or control signaling to transmit, the device sits in "receive" state. The device only transitions to "transmit" state when there is data to transmit.

If there is an operational failure on the device, a hardware watchdog circuit reboots the device, during which time the "power amplifiers" on the device that are used during "transmit mode" are disabled (i.e. switched OFF). The "power amplifiers" remain disabled until the device return to its normal mode of operation.

END OF REPORT