TEST REPORT

Report No.:	BCTC2407217909-1E
Applicant:	Vivid-Hosting, LLC
Product Name:	FRC Radio
Test Model:	VH-109
Tested Date:	2024-07-15 to 2024-08-13
Issued Date:	2024-09-09

Shenzhen BCTC Testing Co., Ltd.

FCC ID:2BBOU10923

Product Name:	FRC Radio
Trademark:	N/A
Model/Type Ref.:	VH-109,VH-113
Prepared For:	Vivid-Hosting, LLC
Address:	4275 Executive Sq STE 206, La Jolla, CA 92037, USA
Manufacturer:	Vivid-Hosting, LLC
Address:	4275 Executive Sq STE 206, La Jolla, CA 92037, USA
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2024-07-15
Sample tested Date:	2024-07-15 to 2024-08-13
Report No.:	BCTC2407217909-1E
Test Standards:	FCC Part15 15.407 ANSI C63.10-2013 KDB 662911 D01 v02r01 KDB 789033 D02 v02r01 KDB 987594 D02 v02r01
Test Results:	PASS

Tested by:

Brave Zeng

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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1. Version

Report No.	Issue Date	Description	Approved
BCTC2407217909-1E	2024-09-09	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a), 15.407 (b)	PASS
2	Conducted Emission	15.207	N/A
3	26 dB and 99% Emission Bandwidth	15.407 (a)	N/A
4	Maximum Conducted Output Power	15.407 (a)	PASS
5	In-band Emission	15.407(b)	N/A
6	Power Spectral Density	15.407 (a)	PASS
7	Spurious Emissions at Antenna Terminals	15.407(b)	N/A
8	Frequency Stability	15.407(g)	N/A
9	Contention Based Protocol	15.407(d)	PASS
10	Antenna Requirement	15.203	PASS
NOTE: This report, based on the original report, only applies to antenna test items related to the above tests, and other items do not need to be tested. For other data, please refer to (BCTC2311144017-2E) or check the original FCC certificate (This test is not applicable)			

3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59℃

4. Product Information and Test Setup

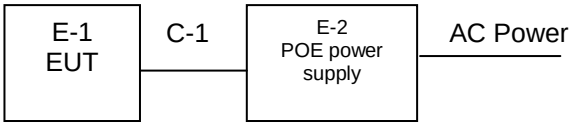
4.1 Product Information

Model/Type Ref.:	VH-109,VH-113
Differences Description:	The following types of equipment we produce are identical in electrical, mechanical and physical structure; The only differences are the model name and the antenna.
Equipment classes:	6ID
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11ax20: 20MHz 802.11ax40: 40MHz 802.11ax80: 80MHz 802.11ax160: 160MHz
Operation Frequency:	U-NII-5: 5955-6415MHz U-NII-6: 6435-6515MHz U-NII-7: 6535-6865MHz U-NII-8: 6885-7115MHz
Type of Modulation:	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Number Of Channel	802.11ax20MHz bandwidth: 59 802.11ax40MHz bandwidth: 29 802.11ax80MHz bandwidth: 14 802.11ax160MHz bandwidth: 7
Transmit Power:	U-NII-5:16.07 dBm U-NII-6:15.34 dBm U-NII-7:16.33 dBm U-NII-8:17.28 dBm
Antenna installation:	Internal antenna
Antenna Gain:	4x4MIMO antenna (Molex): Antenna 1:3.17dBi Antenna 2:4.50dBi Antenna 3:2.78dBi Antenna 4:3.46dBi Quectel Antenna (YF0023CA): Antenna 1:6.62dBi Antenna 2:6.62dBi Antenna 3:6.62dBi Antenna 4:6.62dBi
power supply:	DC 12V form POE

4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Radiated Spurious Emission:



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	FRC Radio	N/A	VH-109	N/A	EUT
E-2	POE power supply	N/A	N/A	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
N/A	N/A	N/A	N/A	N/A

Notes:
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

U-NII-5: 5955-6415MHz

802.11ax20 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	5955	25	6075	49	6195	73	6315
5	5975	29	6095	53	6215	77	6335
9	5995	33	6115	57	6235	81	6355
13	6015	37	6135	61	6255	85	6375
17	6035	41	6155	65	6275	89	6395
21	6055	45	6175	69	6295	93	6415

802.11ax40 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	5965	27	6085	51	6205	75	6325
11	6005	35	6125	59	6245	83	6365
19	6045	43	6165	67	6285	91	6405

802.11ax80 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
7	5985	39	6145	71	6305
23	6065	55	6225	87	6385

802.11ax160 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
15	6025	47	6185	79	6345

U-NII-6: 6435-6515MHz

802.11ax20 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
97	6435	105	6475	113	6515		
101	6455	109	6495				

802.11ax40 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
99	6445	107	6485	115	6525 （Straddle）		

802.11ax80 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
103	6465	119	6545（Straddle）		

802.11ax160 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
111	6505（Straddle）				

U-NII-7: 6535-6865MHz

802.11ax20 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
117	6535	137	6635	157	6735	177	6835
121	6555	141	6655	161	6755	181	6855
125	6575	145	6675	165	6775	185	6875 （Straddle）
129	6595	149	6695	169	6795		
133	6615	153	6715	173	6815		

802.11ax40 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
123	6565	147	6685	171	6805		
131	6605	155	6725	179	6845		
139	6645	163	6765	187	6885 （Straddle）		

802.11ax80 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
135	6625	167	6785		
151	6705	183	6865（Straddle）		

802.11ax160 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
143	6665	175	6825（Straddle）		

U-NII-8: 6885-7115MHz

802.11ax20 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
189	6895	201	6955	213	7015	225	7075
193	6915	205	6975	217	7035	229	7095
197	6935	209	6995	221	7055	233	7115

802.11ax40 Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
195	6925	211	7005	227	7085		
203	6965	219	7045				

802.11ax80 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
199	6945	215	7025		

802.11ax160 Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
207	6985				

4.5 Test Mode

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	802.11ax20 CH1/ CH45/ CH 93 802.11ax20 CH97/ CH105/ CH113 802.11ax20 CH117/ CH149/ CH181/CH185（Straddle） 802.11ax20 CH189/ CH209/ CH233
Mode 2	802.11ax40 CH3/ CH 43/ CH 91 802.11ax40 CH99/ CH 107/ CH115（Straddle） 802.11ax40 CH123/ CH 147/ CH 179/ CH 187（Straddle） 802.11ax40 CH195/ CH 203/ CH 227
Mode 3	802.11ax80 CH 7/CH 39/ CH 87 802.11ax80 CH 103/CH 119（Straddle） 802.11ax80 CH 135/CH 151/ CH 167/ CH 183（Straddle） 802.11ax80 CH 199/CH 215
Mode 4	802.11ax160 CH 15/CH 47/ CH 79 802.11ax160 CH 111 802.11ax160 CH 143/CH 175（Straddle） 802.11ax160 CH 207
Mode 5	Link Mode

4.6 Test Environment

1. Normal Test Conditions:

Humidity(%):	54
Atmospheric Pressure(kPa):	101
Temperature(℃):	26
Test Voltage(DC):	12V

2.Extreme Test Conditions:

For tests at extreme voltages, measurements shall be made over the extremes of the power source voltage range as declared by the manufacturer.

Test Conditions	LV	NV	HV
Test Voltage (DC)	4.5	12	19

4.7 Table Of Parameters Of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

5955MHz-7115MHz 1T1R (Antenna 1) 4x4MIMO antenna							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	14	14	13.5	13.5	13.5	13.5	13.5
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	12.5	11.5	11.5	11.5	11.5	14	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	14	14	14	14	14	14	14
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	14	12	12	14	14	14	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	14	14	14	14	14	14	13
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	13	13	14	14			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	15	15	15	15	14	14	14

5955MHz-7115MHz 1T1R (Antenna 2) 4x4MIMO antenna							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	15	15	15	15	15	15	15
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	11	14	14.5	16	17	17	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	17	17	17	17	17	17	17
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	17	17	17	17	18	18	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	17	17	17	17	17	17	17
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	17	17	17	17			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	18	18	18	17	17	16	16

5955MHz-7115MHz 1T1R (Antenna 3) 4x4MIMO antenna							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	15	14	14	15	15	16	16
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	16	13.5	14.5	14.5	14.5	14.5	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	15	16	16	16	16	16	17
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	17	16	16	16	16	16	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	16	16	16	16	16	16	17
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	17	17	16	16			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	16	16	16	16	17	17	17

5955MHz-7115MHz 1T1R (Antenna 4) 4x4MIMO antenna							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	14	15.5	15.5	15.5	15.5	15.5	15.5
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	15.5	14.5	15.5	16.5	16.5	14.5	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	15	15	15	15	15	15	15
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	15	15	16.5	17.5	17.5	17.5	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	13	15	16	16	16	16	15
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	15	16	16	16			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	14	16	16	16	15	14	16

5955MHz-7115MHz MIMO 4x4MIMO antenna							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	3	4	2.5	2.5	2.5	3	3
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	3	2.5	2.5	4.5	4.5	5	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	5	5	5.5	5.5	5.5	5.5	5.5
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	5.5	5	7	7	8	8.5	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	8.5	9	9	7.5	6.5	6	4.5
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	4.5	4.5	6	6			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	6	6	5.5	5.5	5.5	5.5	5.5

5955MHz-7115MHz 1T1R (Antenna 1) Quectel Antenna (YF0023CA)							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	14	14	9	9	11	12	11
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	9	11.5	11.5	12	12	10	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	14	13	12	13	14	14	13
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	12	12	12	14	14	14	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	14	14	14	14	14	14	13
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	13	13	14	14			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	15	15	15	16	14	14	14

5955MHz-7115MHz 1T1R (Antenna 2) Quectel Antenna (YF0023CA)							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	11	11	9	9	10	10	10
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	8	10	11	11	11	10	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	13	13	12	11	12	13	11
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	11	15	15	15	15	14	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	15	15	15	15	15	14	14
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	17	17	17	17			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	18	18	18	17	16	16	16

5955MHz-7115MHz 1T1R (Antenna 3) Quectel Antenna (YF0023CA)							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	11	11	10	10	11	10	10
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	10	11	11	12	12	12	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	16	16	13	13	14	14	14
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	13	16	15	16	16	15	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	16	16	16	16	16	16	17
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	16	16	16	16			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	16	16	16	16	17	17	17

5955MHz-7115MHz 1T1R (Antenna 4) Quectel Antenna (YF0023CA)							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	12	9	10	10	10	9	10
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	9	11	11	11	11	9	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	15	13	13	12	12	12	13
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	12	14	13	13	13	13	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	13	15	16	15	16	15	15
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	15	16	16	16			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	14	16	16	16	15	14	16

5955MHz-7115MHz MIMO Quectel Antenna (YF0023CA)							
Test Software Version	QRCT						
Frequency (MHz)	5955	6175	6415	6435	6475	6515	6535
802.11ax20 Mode	3	4	2.5	2.5	2.5	3	3
Frequency (MHz)	6695	6855	6875	6895	6695	7115	
802.11ax20 Mode	3	2.5	2.5	4.5	4.5	5	
Frequency (MHz)	5965	6165	6405	6445	6485	6525	6565
802.11ax40 Mode	5	5	5.5	5.5	5.5	5.5	5.5
Frequency (MHz)	6685	6845	6885	6925	6965	7085	
802.11ax40 Mode	5.5	5	7	7	8	8.5	
Frequency (MHz)	5985	6145	6385	6465	6545	6625	6705
802.11ax80 Mode	8.5	9	9	7.5	6.5	6	4.5
Frequency (MHz)	6785	6865	6945	7025			
802.11ax80 Mode	4.5	4.5	6	6			
Frequency (MHz)	6025	6185	6345	6505	6665	6825	6985
802.11ax160 Mode	6	6	5.5	5.5	5.5	5.5	5.5

4.8 Antenna Requirements

4x4MIMO antenna:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For power measurements on IEEE 802.11 devices,

Directional gain = GANT + Array Gain, where Array Gain is as follows:

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

GANT is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation follows F)2)f)ii) of KDB 662911 D01 v02r01.

- $$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum NSS=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \cdots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2⋯.GN denotes single antenna gain.

If a device has four antenna, GANT1= 3.17dBi; GANT2=4.50dBi; GANT3=2.78dBi; GANT4=3.46dBi

Directional gain of power measurement = max (3.17, 4.50, 2.78, 3.46) + 0 = 4.50 dBi

Directional gain of PSD measurement = $10 * \log [(10^{3.17/20} + 10^{4.50/20} + 10^{2.78/20} + 10^{3.46/20})^2 / 4]$ =9.52dBi

	Antenna 1 (dBi)	Antenna 2 (dBi)	Antenna 3 (dBi)	Antenna 4 (dBi)	Directional gain for Power (dBi)	Directional gain for PSD (dBi)
5955-7115MHz	3.17	4.50	2.78	3.46	4.50	9.52

Quectel Antenna (YF0023CA) :

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
1	N/A	N/A	Internal antenna	6.62	N/A
2	N/A	N/A	Internal antenna	6.62	N/A
3	N/A	N/A	Internal antenna	6.62	N/A
4	N/A	N/A	Internal antenna	6.62	N/A

EUT has 4 Internal antenna with Max gain GANT 6.62dBi on every antenna, CDD device with one spatial streams, also can operat with one spatial streams according to KDB662911 D01 v02r01,

Directional gain = GANT + 10 log (NANT) dBi=6.62+10log (4) =12.64dBi

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at
Shenzhen BCTC Testing Co., Ltd.
Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdi strict, Bao'an District, Shenzhen, Guangdong, China.
The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

5.2 Test Instrument Used

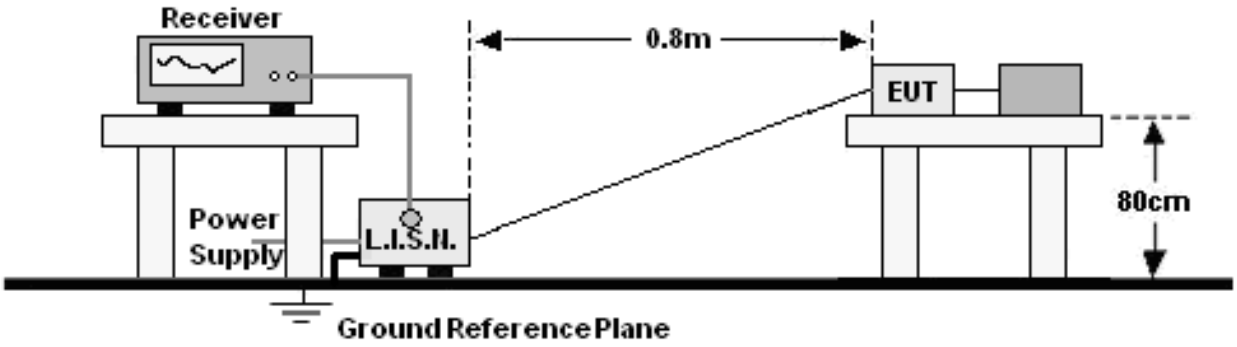
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 16, 2024	May 15, 2025

Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	942	May 29, 2023	May 28, 2024
Loop Antenna	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18G-45dB	SK2021040901	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Preamplifier	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn antenna	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer 9kHz-40GHz	R&S	FSP 40	100363	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\
Spectrum Analyzer	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Signal Generator	Keysight	N5182B	MY56200519	May 16, 2024	May 15, 2025
Signal Generator	Keysight	83711B	US37100131	Sept. 05, 2023	Sept. 04, 2024
Communication test set	R&S	CMW500	126173	Nov. 13. 2023	Nov. 12, 2024

D.C. Power Supply	LongWei	TPR-6405D	\	Nov. 13. 2023	Nov. 12, 2024
Programmable constant temperature and humidity test chamber	DGBELL	BTKS5-150C	\	Jul. 01, 2024	Jun. 30, 2025
Radio frequency control box	MAIWEI	MW100-RFCB	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Frequency (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Notes:
1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

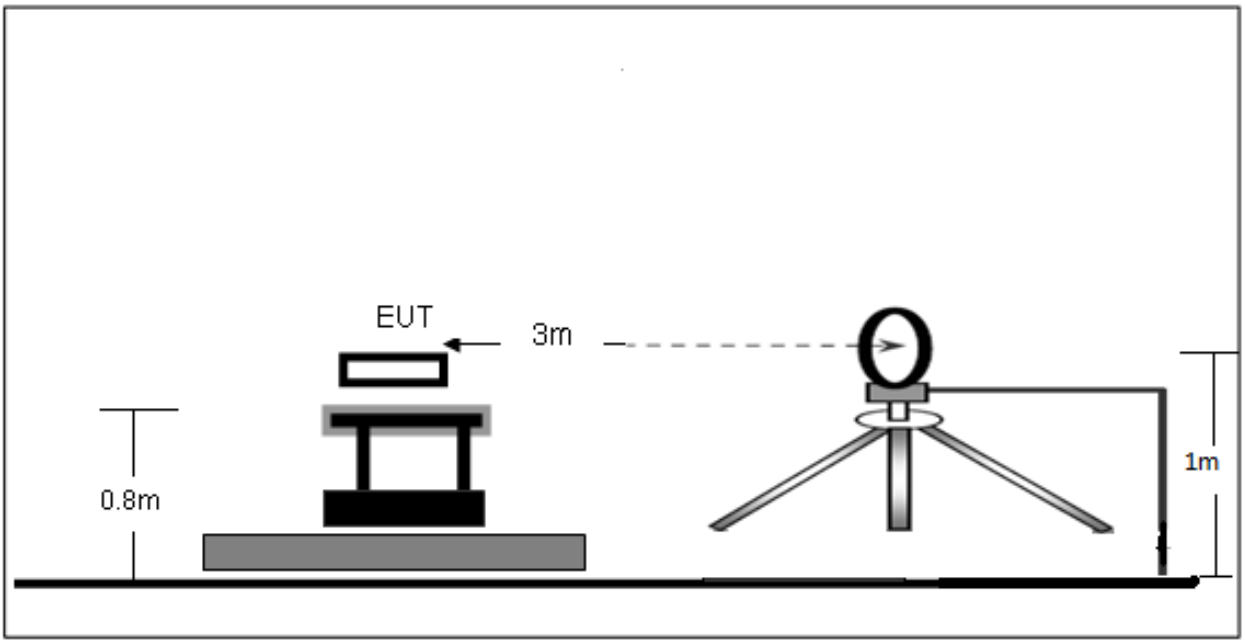
6.5 Test Result

N/A (This test is not applicable)
NOTE: This report, based on the original report, only applies to antenna test items related to the above tests, and other items do not need to be tested. For other data, please refer to (BCTC2311144017-2E) or check the original FCC certificate.

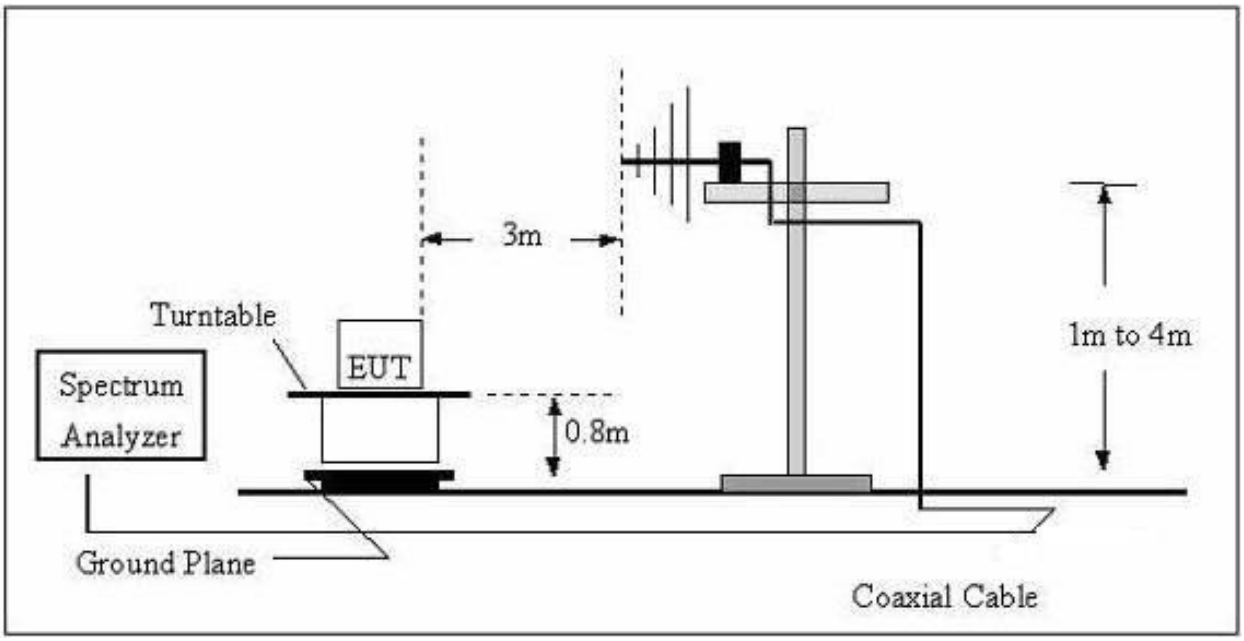
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

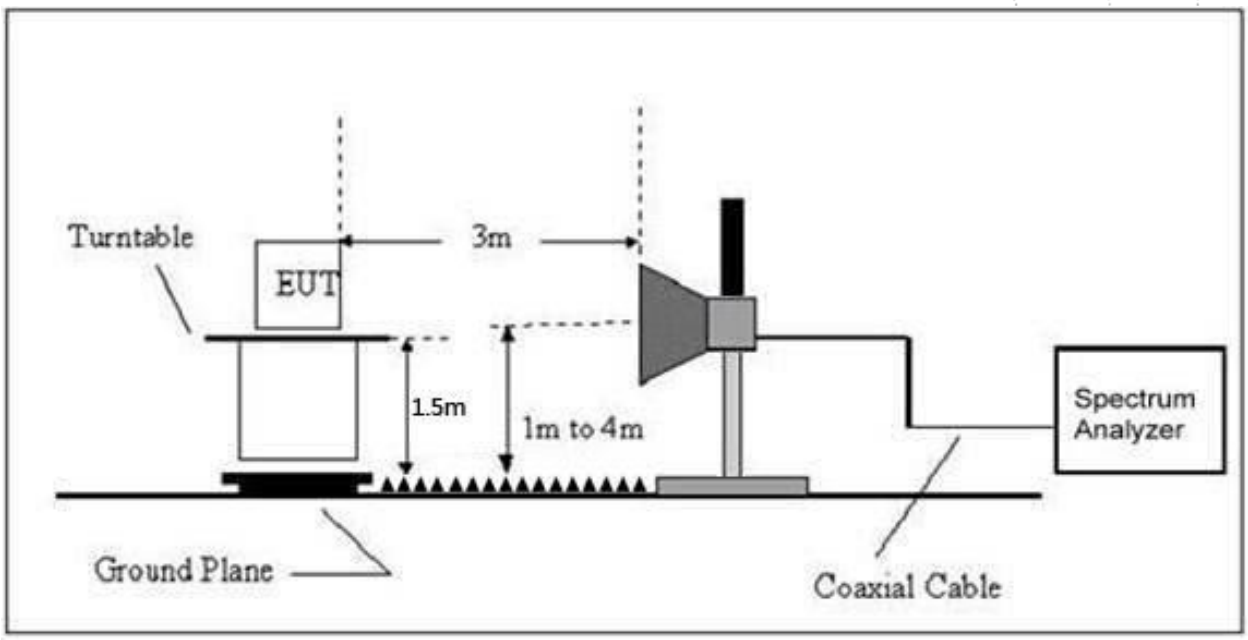
（A）Radiated Emission Test-Up Frequency Below 30MHz



（B）Radiated Emission Test-Up Frequency 30MHz~1GHz



（C）Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

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.

Frequency	Field Strength	Distance	Field Strength Limit at 3m Distance	
(MHz)	uV/m	(m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

For transmitters operating within the 5.925–7.125 GHz band: Any emissions outside of the 5.925–7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

According 987594 D02 U-NII 6GHz EMC Measurement section G:
Use guidance in KDB 789033 for measurements below 1000 MHz and above 1000 MHz. Unwanted emissions outside of restricted bands are measured with a RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

Limits Of Radiated Emission Measurement (Above 1000MHz)

Frequency (MHz)	Limit (dBuV/m) (at 3M)	
	Peak	Average
Above 1000	74	54

Notes:
(1)The limit for radiated test was performed according to FCC PART 15C.
(2)The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).

7.3 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.
This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205.
It must be performed with the highest gain of each type of antenna proposed for use with the EUT.
Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz

Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 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	1 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.

7.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

7.5 Test Result

Below 30MHz

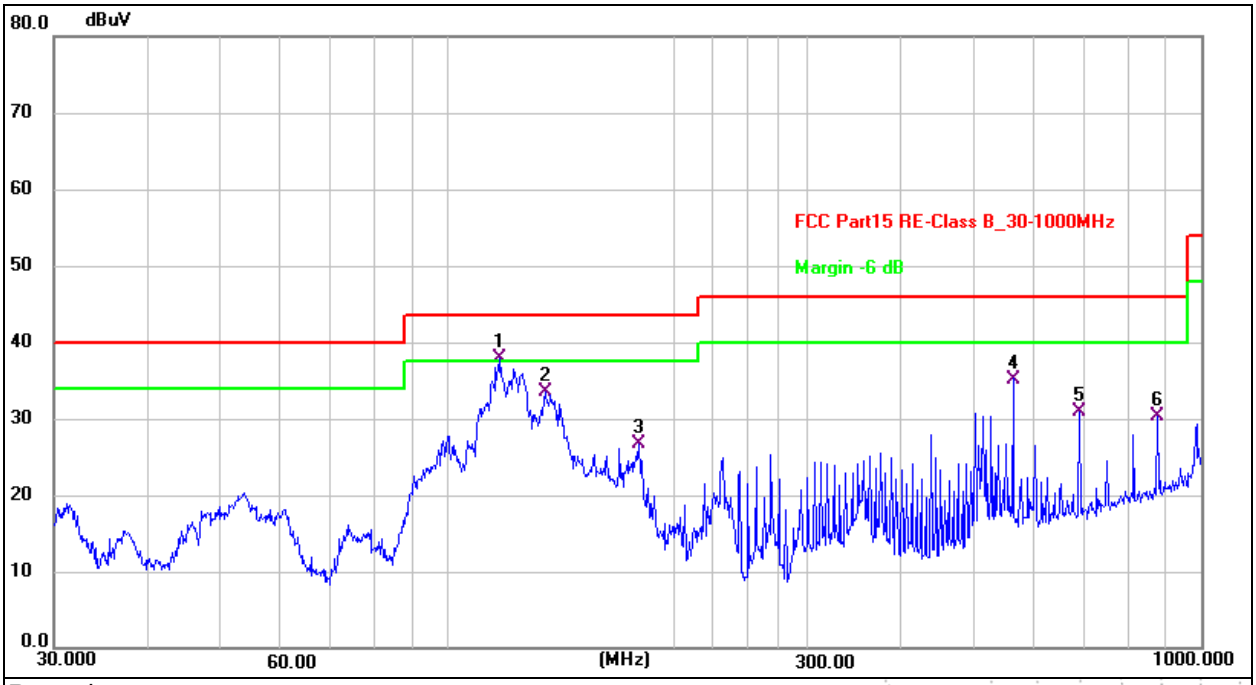
Temperature:	26℃	Relative Humidity:	24%
Pressure:	101 kPa	Test Voltage:	DC 12V from POE
Test Mode:	Mode 5	Polarization:	--

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

Note:
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =40 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

Between 30MHz – 1GHz

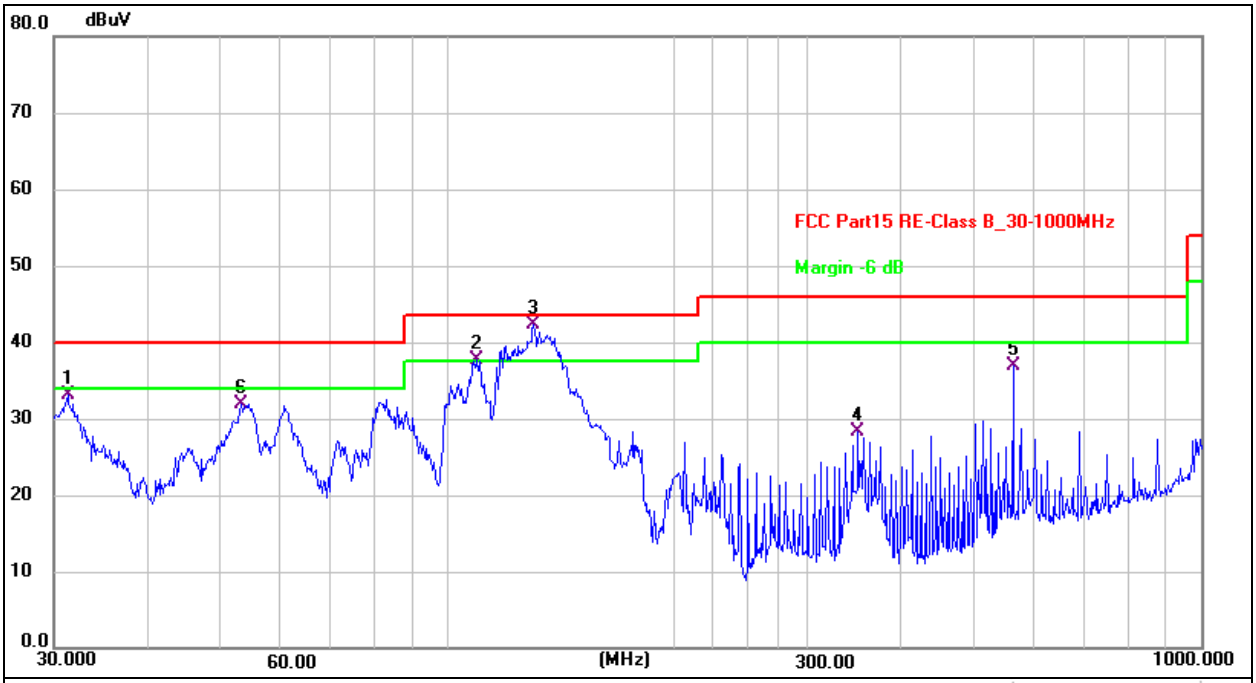
Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	DC 12V from POE
Test Mode :	Mode 5	Polarization :	Horizontal



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over= Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 *	117.3603	57.37	-19.52	37.85	43.50	-5.65	QP
2	134.5592	51.75	-18.20	33.55	43.50	-9.95	QP
3	179.3863	44.96	-18.25	26.71	43.50	-16.79	QP
4	562.6623	45.05	-9.85	35.20	46.00	-10.80	QP
5	689.5644	37.91	-7.06	30.85	46.00	-15.15	QP
6	875.2470	34.23	-3.85	30.38	46.00	-15.62	QP

Temperature:	26℃	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	DC 12V from POE
Test Mode :	Mode 5	Polarization :	Vertical



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over= Measurement-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	31.2893	50.62	-17.50	33.12	40.00	-6.88	QP
2 !	109.0286	57.91	-20.21	37.70	43.50	-5.80	QP
3 *	129.9226	60.80	-18.58	42.22	43.50	-1.28	QP
4	350.4767	43.63	-15.42	28.21	46.00	-17.79	QP
5	562.6623	46.81	-9.85	36.96	46.00	-9.04	QP
6	53.1313	49.13	-17.28	31.85	40.00	-8.15	QP

Between 1GHz – 40GHz

4x4MIMO antenna U-NII-5: 5955-6415MHz

Test Mode：	TX(U-NII-5: 5955-6415MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5955 MHz)-Above 1G							
Vertical	4679.336	73.44	-20.24	53.20	74	-20.80	Pk
Vertical	4679.336	59.71	-20.24	39.47	54	-14.53	AV
Vertical	11910.000	62.85	-8.63	54.22	68.2	-13.98	Pk
Vertical	11910.000	49.45	-8.63	40.82	54	-13.18	AV
Vertical	17865.108	56.34	-1.57	54.77	68.2	-13.43	Pk
Vertical	17865.108	44.47	-1.57	42.90	54	-11.10	AV
Horizontal	4679.179	74.95	-20.73	54.22	74	-19.78	Pk
Horizontal	4679.179	59.97	-20.73	39.24	54	-14.76	AV
Horizontal	11910.072	62.11	-8.63	53.48	68.2	-14.72	Pk
Horizontal	11910.072	49.05	-8.63	40.42	54	-13.58	AV
Horizontal	17865.124	59.43	-1.57	57.86	68.2	-10.34	Pk
Horizontal	17865.124	44.77	-1.57	43.20	54	-10.80	AV
middle Channel (6175 MHz)-Above 1G							
Vertical	4592.103	73.17	-20.42	52.76	74	-21.24	Pk
Vertical	4592.103	59.55	-20.42	39.13	54	-14.87	AV
Vertical	12350.165	63.86	-9.16	54.70	68.2	-13.50	Pk
Vertical	12350.165	49.22	-9.16	40.06	54	-13.94	AV
Vertical	18525.138	56.67	6.65	63.32	68.2	-4.88	Pk
Vertical	18525.138	44.85	6.65	51.50	54	-2.50	AV
Horizontal	4592.139	73.44	-20.42	53.02	74	-20.98	Pk
Horizontal	4592.139	59.58	-20.42	39.16	54	-14.84	AV
Horizontal	12350.002	61.98	-9.16	52.82	68.2	-15.38	Pk
Horizontal	12350.002	49.96	-9.16	40.80	54	-13.20	AV
Horizontal	18525.101	58.65	6.65	65.30	68.2	-2.90	Pk
Horizontal	18525.101	44.15	6.65	50.80	54	-3.20	AV
High Channel (6415 MHz)-Above 1G							
Vertical	6039.067	73.03	-18.93	54.10	68.2	-14.10	Pk
Vertical	6039.067	59.25	-18.93	40.31	54	-13.69	AV
Vertical	12830.009	62.65	-8.92	53.73	74	-20.27	Pk
Vertical	12830.009	49.50	-8.92	40.58	54	-13.42	AV
Vertical	19245.034	57.87	7.78	65.65	68.2	-2.55	Pk
Vertical	19245.034	44.78	7.78	52.56	54	-1.44	AV
Horizontal	6039.052	72.30	-18.93	53.37	68.2	-14.83	Pk
Horizontal	6039.052	59.38	-18.93	40.45	54	-13.55	AV
Horizontal	12830.096	60.52	-8.92	51.60	74	-22.40	Pk
Horizontal	12830.096	49.63	-8.92	40.71	54	-13.29	AV
Horizontal	19245.155	59.72	7.78	67.50	68.2	-0.70	Pk
Horizontal	19245.155	44.20	7.78	51.98	54	-2.02	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-5: 5955-6415MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5965 MHz)-Above 1G							
Vertical	4679.042	70.37	-20.24	50.13	74	-23.87	Pk
Vertical	4679.042	59.64	-20.24	39.39	54	-14.61	AV
Vertical	11930.133	60.75	-8.51	52.24	74	-21.76	Pk
Vertical	11930.133	49.48	-8.51	40.97	54	-13.03	AV
Vertical	17895.028	58.68	-1.43	57.25	68.2	-10.95	Pk
Vertical	17895.028	44.96	-1.43	43.53	54	-10.47	AV
Horizontal	4679.165	70.38	-20.24	50.13	74	-23.87	Pk
Horizontal	4679.165	59.00	-20.24	38.76	54	-15.24	AV
Horizontal	11930.053	64.54	-8.51	56.03	74	-17.97	Pk
Horizontal	11930.053	49.92	-8.51	41.41	54	-12.59	AV
Horizontal	17895.053	57.01	-1.43	55.58	68.2	-12.62	Pk
Horizontal	17895.053	44.16	-1.43	42.73	54	-11.27	AV
middle Channel (6165 MHz)-Above 1G							
Vertical	6039.078	73.08	-18.93	54.15	68.2	-14.05	Pk
Vertical	6039.078	59.04	-18.93	40.10	54	-13.90	AV
Vertical	12330.196	60.36	-9.16	51.20	74	-22.80	Pk
Vertical	12330.196	49.54	-9.16	40.38	54	-13.62	AV
Vertical	18495.177	56.82	6.65	63.47	68.2	-4.73	Pk
Vertical	18495.177	44.21	6.65	50.86	54	-3.14	AV
Horizontal	6039.009	74.91	-18.93	55.98	68.2	-12.22	Pk
Horizontal	6039.009	59.45	-18.93	40.52	54	-13.48	AV
Horizontal	12330.092	63.65	-9.16	54.49	74	-19.51	Pk
Horizontal	12330.092	49.27	-9.16	40.11	54	-13.89	AV
Horizontal	18495.070	58.32	6.65	64.97	68.2	-3.23	Pk
Horizontal	18495.070	44.86	6.65	51.51	54	-2.49	AV
High Channel (6405 MHz)-Above 1G							
Vertical	6039.119	72.63	-18.93	53.70	68.2	-14.50	Pk
Vertical	6039.119	59.58	-18.93	40.64	54	-13.36	AV
Vertical	12810.153	60.54	-8.92	51.62	74	-22.38	Pk
Vertical	12810.153	49.34	-8.92	40.42	54	-13.58	AV
Vertical	19215.032	58.52	7.78	66.30	68.2	-1.90	Pk
Vertical	19215.032	44.54	7.78	52.32	54	-1.68	AV
Horizontal	6039.034	71.35	-18.93	52.42	68.2	-15.78	Pk
Horizontal	6039.034	59.95	-18.93	41.02	54	-12.98	AV
Horizontal	12810.191	62.41	-8.92	53.49	74	-20.51	Pk
Horizontal	12810.191	49.39	-8.92	40.47	54	-13.53	AV
Horizontal	19215.068	57.12	7.78	64.90	68.2	-3.30	Pk
Horizontal	19215.068	44.71	7.78	52.49	54	-1.51	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-5: 5955-6415MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5985 MHz)-Above 1G							
Vertical	4679.033	73.56	-20.24	53.32	74	-20.68	Pk
Vertical	4679.033	59.74	-20.24	39.49	54	-14.51	AV
Vertical	11970.030	60.77	-8.51	52.26	74	-21.74	Pk
Vertical	11970.030	49.29	-8.51	40.78	54	-13.22	AV
Vertical	17955.071	57.70	-1.41	56.29	68.2	-11.91	Pk
Vertical	17955.071	44.16	-1.41	42.75	54	-11.25	AV
Horizontal	4679.183	73.23	-20.24	52.98	74	-21.02	Pk
Horizontal	4679.183	59.24	-20.24	38.99	54	-15.01	AV
Horizontal	11970.068	61.96	-8.51	53.45	74	-20.55	Pk
Horizontal	11970.068	49.08	-8.51	40.57	54	-13.43	AV
Horizontal	17955.149	57.95	-1.41	56.54	68.2	-11.66	Pk
Horizontal	17955.149	44.87	-1.41	43.46	54	-10.54	AV
Middle Channel (6145 MHz)-Above 1G							
Vertical	6039.069	71.14	-18.93	52.21	68.2	-15.99	Pk
Vertical	6039.069	59.65	-18.93	40.72	54	-13.28	AV
Vertical	12290.200	64.69	-9.21	55.48	74	-18.52	Pk
Vertical	12290.200	49.58	-9.21	40.37	54	-13.63	AV
Vertical	18435.015	59.18	6.57	65.75	68.2	-2.45	Pk
Vertical	18435.015	44.64	6.57	51.21	54	-2.79	AV
Horizontal	6039.064	74.75	-18.93	55.81	68.2	-12.39	Pk
Horizontal	6039.064	59.29	-18.93	40.36	54	-13.64	AV
Horizontal	12290.091	62.12	-9.21	52.91	74	-21.09	Pk
Horizontal	12290.091	49.51	-9.21	40.30	54	-13.70	AV
Horizontal	18435.132	55.50	6.57	62.07	68.2	-6.13	Pk
Horizontal	18435.132	44.59	6.57	51.16	54	-2.84	AV
High Channel (6385 MHz)-Above 1G							
Vertical	6039.009	70.42	-18.93	51.49	68.2	-16.71	Pk
Vertical	6039.009	59.59	-18.93	40.66	54	-13.34	AV
Vertical	12770.066	62.81	-8.97	53.84	74	-20.16	Pk
Vertical	12770.066	49.90	-8.97	40.93	54	-13.07	AV
Vertical	19155.197	59.49	7.83	67.32	68.2	-0.88	Pk
Vertical	19155.197	44.89	7.83	52.72	54	-1.28	AV
Horizontal	6039.181	70.13	-18.93	51.19	68.2	-17.01	Pk
Horizontal	6039.181	59.62	-18.93	40.69	54	-13.31	AV
Horizontal	12770.194	60.13	-8.97	51.16	74	-22.84	Pk
Horizontal	12770.194	49.79	-8.97	40.82	54	-13.18	AV
Horizontal	19155.173	59.28	7.83	67.11	68.2	-1.09	Pk
Horizontal	19155.173	44.77	7.83	52.60	54	-1.40	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-5: 5955-6415MHz) - 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6025 MHz)-Above 1G							
Vertical	4679.123	73.73	-20.24	53.48	74	-20.52	Pk
Vertical	4679.123	59.37	-20.24	39.13	54	-14.87	AV
Vertical	12050.134	63.44	-8.45	54.99	74	-19.01	Pk
Vertical	12050.134	49.75	-8.45	41.30	54	-12.70	AV
Vertical	18075.042	55.24	-1.31	53.93	68.2	-14.27	Pk
Vertical	18075.042	44.87	-1.31	43.56	54	-10.44	AV
Horizontal	4679.146	70.13	-20.24	49.89	74	-24.11	Pk
Horizontal	4679.146	59.43	-20.24	39.19	54	-14.81	AV
Horizontal	12050.019	60.74	-8.45	52.29	74	-21.71	Pk
Horizontal	12050.019	49.30	-8.45	40.85	54	-13.15	AV
Horizontal	18075.029	55.31	-1.31	54.00	68.2	-14.20	Pk
Horizontal	18075.029	44.44	-1.31	43.13	54	-10.87	AV
middle Channel (6185 MHz)-Above 1G							
Vertical	6039.100	72.14	-18.93	53.21	68.2	-14.99	Pk
Vertical	6039.100	59.06	-18.93	40.13	54	-13.87	AV
Vertical	12370.127	60.57	-9.03	51.54	74	-22.46	Pk
Vertical	12370.127	49.23	-9.03	40.20	54	-13.80	AV
Vertical	18555.107	58.08	6.68	64.76	68.2	-3.44	Pk
Vertical	18555.107	44.49	6.68	51.17	54	-2.83	AV
Horizontal	6039.073	71.34	-18.93	52.40	68.2	-15.80	Pk
Horizontal	6039.073	59.01	-18.93	40.08	54	-13.92	AV
Horizontal	12370.028	62.78	-9.03	53.75	74	-20.25	Pk
Horizontal	12370.028	49.43	-9.03	40.40	54	-13.60	AV
Horizontal	18555.056	55.97	6.68	62.65	68.2	-5.55	Pk
Horizontal	18555.056	44.76	6.68	51.44	54	-2.56	AV
High Channel (6345 MHz)-Above 1G							
Vertical	6039.131	75.00	-18.93	56.07	68.2	-12.13	Pk
Vertical	6039.131	59.82	-18.93	40.89	54	-13.11	AV
Vertical	12690.022	62.79	-8.97	53.82	74	-20.18	Pk
Vertical	12690.022	49.49	-8.97	40.52	54	-13.48	AV
Vertical	19035.026	55.03	7.68	62.71	68.2	-5.49	Pk
Vertical	19035.026	44.15	7.68	51.83	54	-2.17	AV
Horizontal	6039.106	74.38	-18.93	55.45	68.2	-12.75	Pk
Horizontal	6039.106	59.13	-18.93	40.20	54	-13.80	AV
Horizontal	12690.034	60.48	-8.97	51.51	74	-22.49	Pk
Horizontal	12690.034	49.28	-8.97	40.31	54	-13.69	AV
Horizontal	19035.059	55.53	7.68	63.21	68.2	-4.99	Pk
Horizontal	19035.059	44.73	7.68	52.41	54	-1.59	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

4x4MIMO antenna U-NII-6: 6435-6515MHz

Test Mode：	TX(U-NII-6: 6435-6515MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6435 MHz)-Above 1G							
Vertical	4681.753	72.77	-20.24	52.54	74	-21.46	Pk
Vertical	4681.753	59.63	-20.24	39.40	54	-14.60	AV
Vertical	12870.199	62.95	-7.95	55.00	68.2	-13.20	Pk
Vertical	12870.199	49.93	-7.95	41.98	54	-12.02	AV
Vertical	19305.065	59.55	7.76	67.31	68.2	-0.89	Pk
Vertical	19305.065	44.60	7.76	52.36	54	-1.64	AV
Horizontal	4679.150	70.83	-20.73	50.10	74	-23.90	Pk
Horizontal	4679.150	59.17	-20.73	38.44	54	-15.56	AV
Horizontal	12870.136	62.59	-7.95	54.64	68.2	-13.56	Pk
Horizontal	12870.136	49.92	-7.95	41.97	54	-12.03	AV
Horizontal	19305.077	58.12	7.76	65.88	68.2	-2.32	Pk
Horizontal	19305.077	44.62	7.76	52.38	54	-1.62	AV
middle Channel (6475 MHz)-Above 1G							
Vertical	4592.086	70.85	-20.42	50.43	74	-23.57	Pk
Vertical	4592.086	59.59	-20.42	39.17	54	-14.83	AV
Vertical	12950.040	64.53	-7.89	56.64	68.2	-11.56	Pk
Vertical	12950.040	49.56	-7.89	41.67	54	-12.33	AV
Vertical	19425.015	59.14	7.78	66.92	68.2	-1.28	Pk
Vertical	19425.015	44.20	7.78	51.98	54	-2.02	AV
Horizontal	4592.011	71.45	-20.42	51.04	74	-22.96	Pk
Horizontal	4592.011	59.88	-20.42	39.46	54	-14.54	AV
Horizontal	12950.029	63.63	-7.89	55.74	68.2	-12.46	Pk
Horizontal	12950.029	49.23	-7.89	41.34	54	-12.66	AV
Horizontal	19425.188	57.02	7.78	64.80	68.2	-3.40	Pk
Horizontal	19425.188	44.40	7.78	52.18	54	-1.82	AV
High Channel (6515 MHz)-Above 1G							
Vertical	6039.132	70.53	-18.93	51.60	68.2	-16.60	Pk
Vertical	6039.132	59.32	-18.93	40.39	54	-13.61	AV
Vertical	13030.050	61.12	-7.80	53.32	74	-20.68	Pk
Vertical	13030.050	49.25	-7.80	41.45	54	-12.55	AV
Vertical	19545.186	58.95	7.78	66.73	68.2	-1.47	Pk
Vertical	19545.186	44.92	7.78	52.70	54	-1.30	AV
Horizontal	6039.122	73.77	-18.93	54.84	68.2	-13.36	Pk
Horizontal	6039.122	59.11	-18.93	40.18	54	-13.82	AV
Horizontal	13030.178	64.39	-7.80	56.59	74	-17.41	Pk
Horizontal	13030.178	49.06	-7.80	41.26	54	-12.74	AV
Horizontal	19545.105	58.45	7.78	66.23	68.2	-1.97	Pk
Horizontal	19545.105	44.83	7.78	52.61	54	-1.39	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-6: 6435-6515MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6445 MHz)-Above 1G							
Vertical	4679.189	71.92	-20.24	51.68	74	-22.32	Pk
Vertical	4679.189	59.01	-20.24	38.76	54	-15.24	AV
Vertical	12890.128	63.38	-7.95	55.43	74	-18.57	Pk
Vertical	12890.128	49.15	-7.95	41.20	54	-12.80	AV
Vertical	19335.089	58.54	7.76	66.30	68.2	-1.90	Pk
Vertical	19335.089	44.64	7.76	52.40	54	-1.60	AV
Horizontal	4679.071	74.92	-20.24	54.68	74	-19.32	Pk
Horizontal	4679.071	59.67	-20.24	39.43	54	-14.57	AV
Horizontal	12890.097	60.22	-7.95	52.27	74	-21.73	Pk
Horizontal	12890.097	49.21	-7.95	41.26	54	-12.74	AV
Horizontal	19335.185	57.62	7.76	65.38	68.2	-2.82	Pk
Horizontal	19335.185	44.50	7.76	52.26	54	-1.74	AV
middle Channel (6485 MHz)-Above 1G							
Vertical	6039.143	71.02	-18.93	52.09	68.2	-16.11	Pk
Vertical	6039.143	59.43	-18.93	40.50	54	-13.50	AV
Vertical	12970.047	63.73	-7.85	55.88	74	-18.12	Pk
Vertical	12970.047	49.22	-7.85	41.37	54	-12.63	AV
Vertical	19455.050	58.74	7.78	66.52	68.2	-1.68	Pk
Vertical	19455.050	44.07	7.78	51.85	54	-2.15	AV
Horizontal	6039.047	72.51	-18.93	53.58	68.2	-14.62	Pk
Horizontal	6039.047	59.35	-18.93	40.42	54	-13.58	AV
Horizontal	12970.079	61.79	-7.85	53.94	74	-20.06	Pk
Horizontal	12970.079	49.40	-7.85	41.55	54	-12.45	AV
Horizontal	19455.097	57.93	7.78	65.71	68.2	-2.49	Pk
Horizontal	19455.097	44.63	7.78	52.41	54	-1.59	AV
High Channel (6525 MHz)-Above 1G							
Vertical	6039.151	72.96	-18.93	54.03	68.2	-14.17	Pk
Vertical	6039.151	59.21	-18.93	40.28	54	-13.72	AV
Vertical	13050.022	61.93	-7.8	54.13	74	-19.87	Pk
Vertical	13050.022	49.55	-7.8	41.75	54	-12.25	AV
Vertical	19575.117	58.86	7.78	66.64	68.2	-1.56	Pk
Vertical	19575.117	44.14	7.78	51.92	54	-2.08	AV
Horizontal	6039.106	72.44	-18.93	53.51	68.2	-14.69	Pk
Horizontal	6039.106	59.45	-18.93	40.51	54	-13.49	AV
Horizontal	13050.080	60.70	-7.8	52.90	74	-21.10	Pk
Horizontal	13050.080	49.73	-7.8	41.93	54	-12.07	AV
Horizontal	19575.123	56.46	7.78	64.24	68.2	-3.96	Pk
Horizontal	19575.123	44.35	7.78	52.13	54	-1.87	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-6: 6435-6515MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6465 MHz)-Above 1G							
Vertical	4679.168	70.83	-20.24	50.59	74	-23.41	Pk
Vertical	4679.168	59.57	-20.24	39.33	54	-14.67	AV
Vertical	12930.064	60.68	-7.85	52.83	74	-21.17	Pk
Vertical	12930.064	49.27	-7.85	41.42	54	-12.58	AV
Vertical	19395.130	57.44	7.76	65.20	68.2	-3.00	Pk
Vertical	19395.130	44.03	7.76	51.79	54	-2.21	AV
Horizontal	4679.025	73.16	-20.24	52.92	74	-21.08	Pk
Horizontal	4679.025	59.84	-20.24	39.60	54	-14.40	AV
Horizontal	12930.027	60.29	-7.85	52.44	74	-21.56	Pk
Horizontal	12930.027	49.90	-7.85	42.05	54	-11.95	AV
Horizontal	19395.037	56.75	7.76	64.51	68.2	-3.69	Pk
Horizontal	19395.037	44.29	7.76	52.05	54	-1.95	AV
High Channel (6545 MHz)-Above 1G							
Vertical	6039.125	73.40	-18.93	54.47	68.2	-13.73	Pk
Vertical	6039.125	59.09	-18.93	40.16	54	-13.84	AV
Vertical	13090.006	63.92	-7.8	56.12	74	-17.88	Pk
Vertical	13090.006	49.72	-7.8	41.92	54	-12.08	AV
Vertical	19635.102	56.96	7.78	64.74	68.2	-3.46	Pk
Vertical	19635.102	44.68	7.78	52.46	54	-1.54	AV
Horizontal	6039.160	73.29	-18.93	54.35	68.2	-13.85	Pk
Horizontal	6039.160	59.19	-18.93	40.26	54	-13.74	AV
Horizontal	13090.005	60.78	-7.8	52.98	74	-21.02	Pk
Horizontal	13090.005	49.44	-7.8	41.64	54	-12.36	AV
Horizontal	19635.071	55.43	7.78	63.21	68.2	-4.99	Pk
Horizontal	19635.071	44.32	7.78	52.10	54	-1.90	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-6: 6435-6515MHz)- 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6505 MHz)-Above 1G							
Vertical	4679.188	72.30	-20.24	52.06	74	-21.94	Pk
Vertical	4679.188	59.98	-20.24	39.74	54	-14.26	AV
Vertical	13010.172	60.31	-7.8	52.51	74	-21.49	Pk
Vertical	13010.172	49.07	-7.8	41.27	54	-12.73	AV
Vertical	19515.129	56.49	7.78	64.27	68.2	-3.93	Pk
Vertical	19515.129	44.28	7.78	52.06	54	-1.94	AV
Horizontal	4679.078	74.00	-20.24	53.76	74	-20.24	Pk
Horizontal	4679.078	59.67	-20.24	39.43	54	-14.57	AV
Horizontal	13010.071	62.68	-7.8	54.88	74	-19.12	Pk
Horizontal	13010.071	49.33	-7.8	41.53	54	-12.47	AV
Horizontal	19515.100	59.71	7.78	67.49	68.2	-0.71	Pk
Horizontal	19515.100	44.76	7.78	52.54	54	-1.46	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

4x4MIMO antenna U-NII-7: 6535-6865MHz

Test Mode：	TX(U-NII-7: 6535-6865MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6535 MHz)-Above 1G							
Vertical	4681.348	74.75	-20.24	54.51	74	-19.49	Pk
Vertical	4681.348	59.45	-20.24	39.21	54	-14.79	AV
Vertical	13070.064	62.55	-7.8	54.75	68.2	-13.45	Pk
Vertical	13070.064	49.23	-7.8	41.43	54	-12.57	AV
Vertical	19605.191	56.69	7.78	64.47	68.2	-3.73	Pk
Vertical	19605.191	44.77	7.78	52.55	54	-1.45	AV
Horizontal	4679.077	73.76	-20.73	53.03	74	-20.97	Pk
Horizontal	4679.077	59.12	-20.73	38.39	54	-15.61	AV
Horizontal	13070.078	62.83	-7.8	55.03	68.2	-13.17	Pk
Horizontal	13070.078	49.79	-7.8	41.99	54	-12.01	AV
Horizontal	19605.068	55.17	7.78	62.95	68.2	-5.25	Pk
Horizontal	19605.068	44.48	7.78	52.26	54	-1.74	AV
Middle Channel (6695 MHz)-Above 1G							
Vertical	4592.131	71.47	-20.42	51.06	74	-22.94	Pk
Vertical	4592.131	59.37	-20.42	38.95	54	-15.05	AV
Vertical	13390.187	60.33	-7.53	52.80	68.2	-15.40	Pk
Vertical	13390.187	49.06	-7.53	41.53	54	-12.47	AV
Vertical	20085.137	59.08	8.00	67.08	68.2	-1.12	Pk
Vertical	20085.137	44.30	8.00	52.30	54	-1.70	AV
Horizontal	4592.151	72.97	-20.42	52.56	74	-21.44	Pk
Horizontal	4592.151	59.58	-20.42	39.16	54	-14.84	AV
Horizontal	13390.141	64.85	-7.53	57.32	68.2	-10.88	Pk
Horizontal	13390.141	49.58	-7.53	42.05	54	-11.95	AV
Horizontal	20085.040	56.11	8.00	64.11	68.2	-4.09	Pk
Horizontal	20085.040	44.30	8.00	52.30	54	-1.70	AV
High Channel (6855 MHz)-Above 1G							
Vertical	6039.140	70.71	-18.93	51.78	68.2	-16.42	Pk
Vertical	6039.140	59.44	-18.93	40.50	54	-13.50	AV
Vertical	13710.018	61.84	-7.31	54.53	74	-19.47	Pk
Vertical	13710.018	49.45	-7.31	42.14	54	-11.86	AV
Vertical	20565.187	59.42	3.72	63.14	68.2	-5.06	Pk
Vertical	20565.187	44.13	3.72	47.85	54	-6.15	AV
Horizontal	6039.174	73.17	-18.93	54.24	68.2	-13.96	Pk
Horizontal	6039.174	59.55	-18.93	40.62	54	-13.38	AV
Horizontal	13710.046	60.63	-7.31	53.32	74	-20.68	Pk
Horizontal	13710.046	49.30	-7.31	41.99	54	-12.01	AV
Horizontal	20565.159	58.13	3.72	61.85	68.2	-6.35	Pk
Horizontal	20565.159	44.65	3.72	48.37	54	-5.63	AV
High Channel (6875 MHz)-Above 1G							
Vertical	6039.116	71.02	-18.93	52.09	68.2	-16.11	Pk
Vertical	6039.116	59.13	-18.93	40.20	54	-13.80	AV
Vertical	13750.042	63.89	-7.31	56.58	74	-17.42	Pk

Vertical	13750.042	49.74	-7.31	42.43	54	-11.57	AV
Vertical	20625.071	56.69	3.71	60.40	68.2	-7.80	Pk
Vertical	20625.071	44.23	3.71	47.94	54	-6.06	AV
Horizontal	6039.061	72.09	-18.93	53.16	68.2	-15.04	Pk
Horizontal	6039.061	59.16	-18.93	40.23	54	-13.77	AV
Horizontal	13750.065	64.44	-7.31	57.13	74	-16.87	Pk
Horizontal	13750.065	49.99	-7.31	42.68	54	-11.32	AV
Horizontal	20625.023	55.04	3.71	58.75	68.2	-9.45	Pk
Horizontal	20625.023	44.83	3.71	48.54	54	-5.46	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-7: 6535-6865MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6565 MHz)-Above 1G							
Vertical	4679.115	71.53	-20.24	51.28	74	-22.72	Pk
Vertical	4679.115	59.52	-20.24	39.28	54	-14.72	AV
Vertical	13130.131	60.60	-7.65	52.95	74	-21.05	Pk
Vertical	13130.131	49.59	-7.65	41.94	54	-12.06	AV
Vertical	19695.030	56.20	7.78	63.98	68.2	-4.22	Pk
Vertical	19695.030	44.76	7.78	52.54	54	-1.46	AV
Horizontal	4679.195	74.73	-20.24	54.49	74	-19.51	Pk
Horizontal	4679.195	59.41	-20.24	39.17	54	-14.83	AV
Horizontal	13130.029	63.18	-7.65	55.53	74	-18.47	Pk
Horizontal	13130.029	49.31	-7.65	41.66	54	-12.34	AV
Horizontal	19695.135	59.01	7.78	66.79	68.2	-1.41	Pk
Horizontal	19695.135	44.09	7.78	51.87	54	-2.13	AV
middle Channel (6685 MHz)-Above 1G							
Vertical	6039.122	70.31	-18.93	51.38	68.2	-16.82	Pk
Vertical	6039.122	59.76	-18.93	40.82	54	-13.18	AV
Vertical	13370.000	61.32	-7.53	53.79	74	-20.21	Pk
Vertical	13370.000	49.31	-7.53	41.78	54	-12.22	AV
Vertical	20055.051	56.57	8	64.57	68.2	-3.63	Pk
Vertical	20055.051	44.23	8	52.23	54	-1.77	AV
Horizontal	6039.146	74.97	-18.93	56.04	68.2	-12.16	Pk
Horizontal	6039.146	59.66	-18.93	40.73	54	-13.27	AV
Horizontal	13370.026	62.03	-7.53	54.50	74	-19.50	Pk
Horizontal	13370.026	49.01	-7.53	41.48	54	-12.52	AV
Horizontal	20055.076	55.09	8	63.09	68.2	-5.11	Pk
Horizontal	20055.076	44.43	8	52.43	54	-1.57	AV
High Channel (6845 MHz)-Above 1G							
Vertical	6039.074	71.93	-18.93	53.00	68.2	-15.20	Pk
Vertical	6039.074	59.66	-18.93	40.73	54	-13.27	AV
Vertical	13690.154	61.63	-7.31	54.32	74	-19.68	Pk
Vertical	13690.154	49.53	-7.31	42.22	54	-11.78	AV
Vertical	20535.033	57.80	3.72	61.52	68.2	-6.68	Pk
Vertical	20535.033	44.30	3.72	48.02	54	-5.98	AV
Horizontal	6039.038	70.44	-18.93	51.51	68.2	-16.69	Pk
Horizontal	6039.038	59.70	-18.93	40.77	54	-13.23	AV
Horizontal	13690.093	62.17	-7.31	54.86	74	-19.14	Pk
Horizontal	13690.093	49.95	-7.31	42.64	54	-11.36	AV
Horizontal	20535.070	56.99	3.72	60.71	68.2	-7.49	Pk
Horizontal	20535.070	44.08	3.72	47.80	54	-6.20	AV
High Channel (6885 MHz)-Above 1G							
Vertical	6039.098	72.39	-18.93	53.46	68.2	-14.74	Pk
Vertical	6039.098	59.73	-18.93	40.80	54	-13.20	AV
Vertical	13770.109	61.80	-7.31	54.49	74	-19.51	Pk
Vertical	13770.109	49.01	-7.31	41.70	54	-12.30	AV
Vertical	20655.148	58.07	3.71	61.78	68.2	-6.42	Pk

Vertical	20655.148	44.11	3.71	47.82	54	-6.18	AV
Horizontal	6039.035	71.63	-18.93	52.69	68.2	-15.51	Pk
Horizontal	6039.035	59.99	-18.93	41.06	54	-12.94	AV
Horizontal	13770.140	61.71	-7.31	54.40	74	-19.60	Pk
Horizontal	13770.140	49.17	-7.31	41.86	54	-12.14	AV
Horizontal	20655.094	56.42	3.71	60.13	68.2	-8.07	Pk
Horizontal	20655.094	44.28	3.71	47.99	54	-6.01	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-7: 6535-6865MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6625 MHz)-Above 1G							
Vertical	4679.048	73.79	-20.24	53.55	74	-20.45	Pk
Vertical	4679.048	59.02	-20.24	38.78	54	-15.22	AV
Vertical	13250.117	62.57	-7.61	54.96	74	-19.04	Pk
Vertical	13250.117	49.18	-7.61	41.57	54	-12.43	AV
Vertical	19875.140	57.19	7.78	64.97	68.2	-3.23	Pk
Vertical	19875.140	44.92	7.78	52.70	54	-1.30	AV
Horizontal	4679.016	73.14	-20.24	52.90	74	-21.10	Pk
Horizontal	4679.016	59.78	-20.24	39.54	54	-14.46	AV
Horizontal	13250.161	63.93	-7.61	56.32	74	-17.68	Pk
Horizontal	13250.161	49.66	-7.61	42.05	54	-11.95	AV
Horizontal	19875.051	59.28	7.78	67.06	68.2	-1.14	Pk
Horizontal	19875.051	44.92	7.78	52.70	54	-1.30	AV
Middle Channel (6705 MHz)-Above 1G							
Vertical	6039.038	72.73	-18.93	53.80	68.2	-14.40	Pk
Vertical	6039.038	59.15	-18.93	40.22	54	-13.78	AV
Vertical	13410.082	64.86	-7.4	57.46	74	-16.54	Pk
Vertical	13410.082	49.58	-7.4	42.18	54	-11.82	AV
Vertical	20115.185	58.88	6.35	65.23	68.2	-2.97	Pk
Vertical	20115.185	44.66	6.35	51.01	54	-2.99	AV
Horizontal	6039.188	72.91	-18.93	53.98	68.2	-14.22	Pk
Horizontal	6039.188	59.41	-18.93	40.48	54	-13.52	AV
Horizontal	13410.197	64.01	-7.4	56.61	74	-17.39	Pk
Horizontal	13410.197	49.53	-7.4	42.13	54	-11.87	AV
Horizontal	20115.183	58.18	6.35	64.53	68.2	-3.67	Pk
Horizontal	20115.183	44.62	6.35	50.97	54	-3.03	AV
High Channel (6785 MHz)-Above 1G							
Vertical	6039.153	73.45	-18.93	54.52	68.2	-13.68	Pk
Vertical	6039.153	59.29	-18.93	40.36	54	-13.64	AV
Vertical	13570.179	60.73	-7.39	53.34	74	-20.66	Pk
Vertical	13570.179	49.25	-7.39	41.86	54	-12.14	AV
Vertical	20355.038	59.75	5.82	65.57	68.2	-2.63	Pk
Vertical	20355.038	44.72	5.82	50.54	54	-3.46	AV
Horizontal	6039.119	74.28	-18.93	55.35	68.2	-12.85	Pk
Horizontal	6039.119	59.96	-18.93	41.03	54	-12.97	AV
Horizontal	13570.039	61.24	-7.39	53.85	74	-20.15	Pk
Horizontal	13570.039	49.51	-7.39	42.12	54	-11.88	AV
Horizontal	20355.153	60.00	5.82	65.82	68.2	-2.38	Pk
Horizontal	20355.153	44.15	5.82	49.97	54	-4.03	AV
High Channel (6865 MHz)-Above 1G							
Vertical	6039.004	72.91	-18.93	53.97	68.2	-14.23	Pk
Vertical	6039.004	59.43	-18.93	40.50	54	-13.50	AV
Vertical	13730.032	64.12	-7.23	56.89	74	-17.11	Pk
Vertical	13730.032	49.13	-7.23	41.90	54	-12.10	AV

Vertical	20595.161	57.43	3.51	60.94	68.2	-7.26	Pk
Vertical	20595.161	44.32	3.51	47.83	54	-6.17	AV
Horizontal	6039.106	72.68	-18.93	53.75	68.2	-14.45	Pk
Horizontal	6039.106	59.41	-18.93	40.47	54	-13.53	AV
Horizontal	13730.158	64.07	-7.23	56.84	74	-17.16	Pk
Horizontal	13730.158	49.37	-7.23	42.14	54	-11.86	AV
Horizontal	20595.129	56.54	3.51	60.05	68.2	-8.15	Pk
Horizontal	20595.129	44.85	3.51	48.36	54	-5.64	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-7: 6535-6865MHz)- 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6665 MHz)-Above 1G							
Vertical	4679.170	73.92	-20.24	53.68	74	-20.32	Pk
Vertical	4679.170	59.91	-20.24	39.66	54	-14.34	AV
Vertical	13330.163	64.92	-7.5	57.42	74	-16.58	Pk
Vertical	13330.163	49.27	-7.5	41.77	54	-12.23	AV
Vertical	19995.122	58.67	8	66.67	68.2	-1.53	Pk
Vertical	19995.122	44.04	8	52.04	54	-1.96	AV
Horizontal	4679.160	72.19	-20.24	51.95	74	-22.05	Pk
Horizontal	4679.160	59.57	-20.24	39.33	54	-14.67	AV
Horizontal	13330.133	64.98	-7.5	57.48	74	-16.52	Pk
Horizontal	13330.133	49.97	-7.5	42.47	54	-11.53	AV
Horizontal	19995.120	57.97	8	65.97	68.2	-2.23	Pk
Horizontal	19995.120	44.16	8	52.16	54	-1.84	AV
High Channel (6825 MHz)-Above 1G							
Vertical	6039.058	74.89	-18.93	55.95	68.2	-12.25	Pk
Vertical	6039.058	59.50	-18.93	40.57	54	-13.43	AV
Vertical	13650.089	62.95	-7.3	55.65	74	-18.35	Pk
Vertical	13650.089	49.90	-7.3	42.60	54	-11.40	AV
Vertical	20475.023	57.90	4.27	62.17	68.2	-6.03	Pk
Vertical	20475.023	44.29	4.27	48.56	54	-5.44	AV
Horizontal	6039.170	72.08	-18.93	53.15	68.2	-15.05	Pk
Horizontal	6039.170	59.73	-18.93	40.80	54	-13.20	AV
Horizontal	13650.020	62.25	-7.3	54.95	74	-19.05	Pk
Horizontal	13650.020	49.03	-7.3	41.73	54	-12.27	AV
Horizontal	20475.111	56.98	4.27	61.25	68.2	-6.95	Pk
Horizontal	20475.111	44.50	4.27	48.77	54	-5.23	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

4x4MIMO antenna U-NII-8: 6885-7115MHz

Test Mode：	TX(U-NII-8: 6885-7115MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6895 MHz)-Above 1G							
Vertical	4683.685	70.51	-20.23	50.28	74	-23.72	Pk
Vertical	4683.685	59.22	-20.23	38.98	54	-15.02	AV
Vertical	13790.070	61.56	-7.23	54.33	68.2	-13.87	Pk
Vertical	13790.070	49.30	-7.23	42.07	54	-11.93	AV
Vertical	20685.161	59.84	3.51	63.35	68.2	-4.85	Pk
Vertical	20685.161	44.01	3.51	47.52	54	-6.48	AV
Horizontal	4679.128	74.05	-20.73	53.32	74	-20.68	Pk
Horizontal	4679.128	59.81	-20.73	39.08	54	-14.92	AV
Horizontal	13790.172	63.60	-7.23	56.37	68.2	-11.83	Pk
Horizontal	13790.172	49.59	-7.23	42.36	54	-11.64	AV
Horizontal	20685.086	55.75	3.51	59.26	68.2	-8.94	Pk
Horizontal	20685.086	44.48	3.51	47.99	54	-6.01	AV
middle Channel (6995 MHz)-Above 1G							
Vertical	4592.133	73.78	-20.42	53.36	74	-20.64	Pk
Vertical	4592.133	59.92	-20.42	39.51	54	-14.49	AV
Vertical	13990.182	62.24	-6.83	55.41	68.2	-12.79	Pk
Vertical	13990.182	49.14	-6.83	42.31	54	-11.69	AV
Vertical	20985.081	55.23	-1.95	53.28	68.2	-14.92	Pk
Vertical	20985.081	44.57	-1.95	42.62	54	-11.38	AV
Horizontal	4592.002	71.32	-20.42	50.90	74	-23.10	Pk
Horizontal	4592.002	59.65	-20.42	39.23	54	-14.77	AV
Horizontal	13990.081	61.82	-6.83	54.99	68.2	-13.21	Pk
Horizontal	13990.081	49.94	-6.83	43.11	54	-10.89	AV
Horizontal	20985.179	55.45	-1.95	53.50	68.2	-14.70	Pk
Horizontal	20985.179	44.56	-1.95	42.61	54	-11.39	AV
High Channel (7115 MHz)-Above 1G							
Vertical	4592.056	72.22	-20.42	51.81	68.2	-16.39	Pk
Vertical	4592.056	59.17	-20.42	38.75	54	-15.25	AV
Vertical	14230.035	63.11	-7.12	55.99	74	-18.01	Pk
Vertical	14230.035	49.91	-7.12	42.79	54	-11.21	AV
Vertical	21345.009	55.79	-1.91	53.88	68.2	-14.32	Pk
Vertical	21345.009	44.36	-1.91	42.45	54	-11.55	AV
Horizontal	6039.056	73.30	-18.93	54.37	68.2	-13.83	Pk
Horizontal	6039.056	59.32	-18.93	40.38	54	-13.62	AV
Horizontal	14230.152	60.37	-7.12	53.25	74	-20.75	Pk
Horizontal	14230.152	49.93	-7.12	42.81	54	-11.19	AV
Horizontal	21345.177	55.70	-1.91	53.79	68.2	-14.41	Pk
Horizontal	21345.177	44.80	-1.91	42.89	54	-11.11	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-8: 6885-7115MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6925 MHz)-Above 1G							
Vertical	4679.121	70.29	-20.24	50.04	74	-23.96	Pk
Vertical	4679.121	59.04	-20.24	38.80	54	-15.20	AV
Vertical	13850.054	60.46	-7.23	53.23	74	-20.77	Pk
Vertical	13850.054	49.79	-7.23	42.56	54	-11.44	AV
Vertical	20775.074	59.09	3.51	62.60	68.2	-5.60	Pk
Vertical	20775.074	44.64	3.51	48.15	54	-5.85	AV
Horizontal	4679.039	73.25	-20.24	53.00	74	-21.00	Pk
Horizontal	4679.039	59.57	-20.24	39.33	54	-14.67	AV
Horizontal	13850.129	63.28	-7.23	56.05	74	-17.95	Pk
Horizontal	13850.129	49.27	-7.23	42.04	54	-11.96	AV
Horizontal	20775.008	58.21	3.51	61.72	68.2	-6.48	Pk
Horizontal	20775.008	44.58	3.51	48.09	54	-5.91	AV
middle Channel (6965 MHz)-Above 1G							
Vertical	6039.075	72.65	-18.93	53.72	68.2	-14.48	Pk
Vertical	6039.075	59.25	-18.93	40.32	54	-13.68	AV
Vertical	13930.114	61.84	-6.83	55.01	74	-18.99	Pk
Vertical	13930.114	49.13	-6.83	42.30	54	-11.70	AV
Vertical	20895.123	55.81	-1.95	53.86	68.2	-14.34	Pk
Vertical	20895.123	44.11	-1.95	42.16	54	-11.84	AV
Horizontal	6039.081	73.91	-18.93	54.98	68.2	-13.22	Pk
Horizontal	6039.081	59.03	-18.93	40.10	54	-13.90	AV
Horizontal	13930.089	64.06	-6.83	57.23	74	-16.77	Pk
Horizontal	13930.089	49.88	-6.83	43.05	54	-10.95	AV
Horizontal	20895.143	59.42	-1.95	57.47	68.2	-10.73	Pk
Horizontal	20895.143	44.21	-1.95	42.26	54	-11.74	AV
High Channel (7085 MHz)-Above 1G							
Vertical	6039.072	72.72	-18.93	53.79	68.2	-14.41	Pk
Vertical	6039.072	59.36	-18.93	40.42	54	-13.58	AV
Vertical	14170.011	60.99	-7.12	53.87	74	-20.13	Pk
Vertical	14170.011	49.67	-7.12	42.55	54	-11.45	AV
Vertical	21255.143	58.98	-1.91	57.07	68.2	-11.13	Pk
Vertical	21255.143	44.80	-1.91	42.89	54	-11.11	AV
Horizontal	6039.039	74.91	-18.93	55.97	68.2	-12.23	Pk
Horizontal	6039.039	59.67	-18.93	40.74	54	-13.26	AV
Horizontal	14170.125	61.66	-7.12	54.54	74	-19.46	Pk
Horizontal	14170.125	49.84	-7.12	42.72	54	-11.28	AV
Horizontal	21255.075	57.75	-1.91	55.84	68.2	-12.36	Pk
Horizontal	21255.075	44.04	-1.91	42.13	54	-11.87	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-8: 6885-7115MHz) - 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6945 MHz)-Above 1G							
Vertical	4679.137	72.82	-20.24	52.58	74	-21.42	Pk
Vertical	4679.137	59.65	-20.24	39.41	54	-14.59	AV
Vertical	13890.189	61.58	-7.23	54.35	74	-19.65	Pk
Vertical	13890.189	49.47	-7.23	42.24	54	-11.76	AV
Vertical	20835.154	56.63	3.51	60.14	68.2	-8.06	Pk
Vertical	20835.154	44.80	3.51	48.31	54	-5.69	AV
Horizontal	4679.120	74.92	-20.24	54.68	74	-19.32	Pk
Horizontal	4679.120	59.64	-20.24	39.40	54	-14.60	AV
Horizontal	13890.186	63.45	-7.23	56.22	74	-17.78	Pk
Horizontal	13890.186	49.69	-7.23	42.46	54	-11.54	AV
Horizontal	20835.176	55.86	3.51	59.37	68.2	-8.83	Pk
Horizontal	20835.176	44.47	3.51	47.98	54	-6.02	AV
High Channel (7025 MHz)-Above 1G							
Vertical	6039.137	72.81	-18.93	53.87	68.2	-14.33	Pk
Vertical	6039.137	59.13	-18.93	40.20	54	-13.80	AV
Vertical	14050.028	62.56	-6.83	55.73	74	-18.27	Pk
Vertical	14050.028	49.34	-6.83	42.51	54	-11.49	AV
Vertical	21075.066	56.25	-1.95	54.30	68.2	-13.90	Pk
Vertical	21075.066	44.88	-1.95	42.93	54	-11.07	AV
Horizontal	6039.167	73.19	-18.93	54.25	68.2	-13.95	Pk
Horizontal	6039.167	59.22	-18.93	40.29	54	-13.71	AV
Horizontal	14050.011	62.14	-6.83	55.31	74	-18.69	Pk
Horizontal	14050.011	49.59	-6.83	42.76	54	-11.24	AV
Horizontal	21075.196	56.32	-1.95	54.37	68.2	-13.83	Pk
Horizontal	21075.196	44.96	-1.95	43.01	54	-10.99	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-8: 6885-7115MHz) - 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6985 MHz)-Above 1G							
Vertical	4679.173	73.64	-20.24	53.40	74	-20.60	Pk
Vertical	4679.173	59.92	-20.24	39.68	54	-14.32	AV
Vertical	13970.079	61.39	-6.83	54.56	74	-19.44	Pk
Vertical	13970.079	49.81	-6.83	42.98	54	-11.02	AV
Vertical	20955.139	57.85	-1.95	55.90	68.2	-12.30	Pk
Vertical	20955.139	44.82	-1.95	42.87	54	-11.13	AV
Horizontal	4679.137	73.04	-20.24	52.80	74	-21.20	Pk
Horizontal	4679.137	59.99	-20.24	39.74	54	-14.26	AV
Horizontal	13970.188	60.03	-6.83	53.20	74	-20.80	Pk
Horizontal	13970.188	49.80	-6.83	42.97	54	-11.03	AV
Horizontal	20955.144	55.62	-1.95	53.67	68.2	-14.53	Pk
Horizontal	20955.144	44.52	-1.95	42.57	54	-11.43	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Quectel Antenna (YF0023CA) U-NII-5: 5955-6415MHz

Test Mode：	TX(U-NII-5: 5955-6415MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5955 MHz)-Above 1G							
Vertical	4679.337	71.93	-20.24	51.69	74	-22.31	Pk
Vertical	4679.337	59.61	-20.24	39.37	54	-14.63	AV
Vertical	11910.037	62.35	-8.63	53.72	68.2	-14.48	Pk
Vertical	11910.037	49.86	-8.63	41.23	54	-12.77	AV
Vertical	17865.180	57.52	-1.57	55.95	68.2	-12.25	Pk
Vertical	17865.180	44.61	-1.57	43.04	54	-10.96	AV
Horizontal	4679.048	70.81	-20.73	50.08	74	-23.92	Pk
Horizontal	4679.048	59.02	-20.73	38.29	54	-15.71	AV
Horizontal	11910.092	60.84	-8.63	52.21	68.2	-15.99	Pk
Horizontal	11910.092	49.44	-8.63	40.81	54	-13.19	AV
Horizontal	17865.091	55.04	-1.57	53.47	68.2	-14.73	Pk
Horizontal	17865.091	44.19	-1.57	42.62	54	-11.38	AV
middle Channel (6175 MHz)-Above 1G							
Vertical	4592.033	70.06	-20.42	49.64	74	-24.36	Pk
Vertical	4592.033	59.78	-20.42	39.36	54	-14.64	AV
Vertical	12350.058	60.29	-9.16	51.13	68.2	-17.07	Pk
Vertical	12350.058	49.70	-9.16	40.54	54	-13.46	AV
Vertical	18525.082	57.09	6.65	63.74	68.2	-4.46	Pk
Vertical	18525.082	44.17	6.65	50.82	54	-3.18	AV
Horizontal	4592.145	72.12	-20.42	51.70	74	-22.30	Pk
Horizontal	4592.145	59.99	-20.42	39.58	54	-14.42	AV
Horizontal	12350.188	62.75	-9.16	53.59	68.2	-14.61	Pk
Horizontal	12350.188	49.93	-9.16	40.77	54	-13.23	AV
Horizontal	18525.098	57.32	6.65	63.97	68.2	-4.23	Pk
Horizontal	18525.098	44.27	6.65	50.92	54	-3.08	AV
High Channel (6415 MHz)-Above 1G							
Vertical	6039.161	72.04	-18.93	53.10	68.2	-15.10	Pk
Vertical	6039.161	59.65	-18.93	40.71	54	-13.29	AV
Vertical	12830.047	63.61	-8.92	54.69	74	-19.31	Pk
Vertical	12830.047	49.79	-8.92	40.87	54	-13.13	AV
Vertical	19245.130	58.57	7.78	66.35	68.2	-1.85	Pk
Vertical	19245.130	44.53	7.78	52.31	54	-1.69	AV
Horizontal	6039.134	73.91	-18.93	54.98	68.2	-13.22	Pk
Horizontal	6039.134	59.17	-18.93	40.24	54	-13.76	AV
Horizontal	12830.160	63.11	-8.92	54.19	74	-19.81	Pk
Horizontal	12830.160	49.23	-8.92	40.31	54	-13.69	AV
Horizontal	19245.105	58.94	7.78	66.72	68.2	-1.48	Pk
Horizontal	19245.105	44.20	7.78	51.98	54	-2.02	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-5: 5955-6415MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5965 MHz)-Above 1G							
Vertical	4679.019	74.05	-20.24	53.81	74	-20.19	Pk
Vertical	4679.019	59.61	-20.24	39.37	54	-14.63	AV
Vertical	11930.131	64.83	-8.51	56.32	74	-17.68	Pk
Vertical	11930.131	49.74	-8.51	41.23	54	-12.77	AV
Vertical	17895.056	57.82	-1.43	56.39	68.2	-11.81	Pk
Vertical	17895.056	44.24	-1.43	42.81	54	-11.19	AV
Horizontal	4679.068	70.50	-20.24	50.26	74	-23.74	Pk
Horizontal	4679.068	59.87	-20.24	39.63	54	-14.37	AV
Horizontal	11930.057	60.84	-8.51	52.33	74	-21.67	Pk
Horizontal	11930.057	49.67	-8.51	41.16	54	-12.84	AV
Horizontal	17895.155	59.37	-1.43	57.94	68.2	-10.26	Pk
Horizontal	17895.155	44.08	-1.43	42.65	54	-11.35	AV
middle Channel (6165 MHz)-Above 1G							
Vertical	6039.193	73.50	-18.93	54.57	68.2	-13.63	Pk
Vertical	6039.193	59.43	-18.93	40.50	54	-13.50	AV
Vertical	12330.088	63.81	-9.16	54.65	74	-19.35	Pk
Vertical	12330.088	49.19	-9.16	40.03	54	-13.97	AV
Vertical	18495.172	55.49	6.65	62.14	68.2	-6.06	Pk
Vertical	18495.172	44.65	6.65	51.30	54	-2.70	AV
Horizontal	6039.086	74.71	-18.93	55.77	68.2	-12.43	Pk
Horizontal	6039.086	59.24	-18.93	40.31	54	-13.69	AV
Horizontal	12330.043	62.30	-9.16	53.14	74	-20.86	Pk
Horizontal	12330.043	49.02	-9.16	39.86	54	-14.14	AV
Horizontal	18495.128	59.45	6.65	66.10	68.2	-2.10	Pk
Horizontal	18495.128	44.01	6.65	50.66	54	-3.34	AV
High Channel (6405 MHz)-Above 1G							
Vertical	6039.032	73.30	-18.93	54.37	68.2	-13.83	Pk
Vertical	6039.032	59.83	-18.93	40.90	54	-13.10	AV
Vertical	12810.038	61.43	-8.92	52.51	74	-21.49	Pk
Vertical	12810.038	49.89	-8.92	40.97	54	-13.03	AV
Vertical	19215.074	56.22	7.78	64.00	68.2	-4.20	Pk
Vertical	19215.074	44.27	7.78	52.05	54	-1.95	AV
Horizontal	6039.070	70.22	-18.93	51.29	68.2	-16.91	Pk
Horizontal	6039.070	59.64	-18.93	40.71	54	-13.29	AV
Horizontal	12810.129	61.83	-8.92	52.91	74	-21.09	Pk
Horizontal	12810.129	49.04	-8.92	40.12	54	-13.88	AV
Horizontal	19215.077	56.26	7.78	64.04	68.2	-4.16	Pk
Horizontal	19215.077	44.93	7.78	52.71	54	-1.29	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-5: 5955-6415MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5985 MHz)-Above 1G							
Vertical	4679.049	73.34	-20.24	53.10	74	-20.90	Pk
Vertical	4679.049	59.38	-20.24	39.14	54	-14.86	AV
Vertical	11970.012	64.53	-8.51	56.02	74	-17.98	Pk
Vertical	11970.012	49.61	-8.51	41.10	54	-12.90	AV
Vertical	17955.022	55.18	-1.41	53.77	68.2	-14.43	Pk
Vertical	17955.022	44.49	-1.41	43.08	54	-10.92	AV
Horizontal	4679.134	72.63	-20.24	52.39	74	-21.61	Pk
Horizontal	4679.134	59.69	-20.24	39.45	54	-14.55	AV
Horizontal	11970.026	62.06	-8.51	53.55	74	-20.45	Pk
Horizontal	11970.026	49.55	-8.51	41.04	54	-12.96	AV
Horizontal	17955.168	56.32	-1.41	54.91	68.2	-13.29	Pk
Horizontal	17955.168	44.83	-1.41	43.42	54	-10.58	AV
Middle Channel (6145 MHz)-Above 1G							
Vertical	6039.082	71.96	-18.93	53.03	68.2	-15.17	Pk
Vertical	6039.082	59.31	-18.93	40.38	54	-13.62	AV
Vertical	12290.020	64.29	-9.21	55.08	74	-18.92	Pk
Vertical	12290.020	49.56	-9.21	40.35	54	-13.65	AV
Vertical	18435.069	58.19	6.57	64.76	68.2	-3.44	Pk
Vertical	18435.069	44.56	6.57	51.13	54	-2.87	AV
Horizontal	6039.045	73.22	-18.93	54.29	68.2	-13.91	Pk
Horizontal	6039.045	59.35	-18.93	40.42	54	-13.58	AV
Horizontal	12290.118	61.13	-9.21	51.92	74	-22.08	Pk
Horizontal	12290.118	49.32	-9.21	40.11	54	-13.89	AV
Horizontal	18435.114	57.42	6.57	63.99	68.2	-4.21	Pk
Horizontal	18435.114	44.46	6.57	51.03	54	-2.97	AV
High Channel (6385 MHz)-Above 1G							
Vertical	6039.132	73.22	-18.93	54.28	68.2	-13.92	Pk
Vertical	6039.132	59.21	-18.93	40.28	54	-13.72	AV
Vertical	12770.131	64.94	-8.97	55.97	74	-18.03	Pk
Vertical	12770.131	49.80	-8.97	40.83	54	-13.17	AV
Vertical	19155.143	56.57	7.83	64.40	68.2	-3.80	Pk
Vertical	19155.143	44.06	7.83	51.89	54	-2.11	AV
Horizontal	6039.163	71.12	-18.93	52.19	68.2	-16.01	Pk
Horizontal	6039.163	59.06	-18.93	40.13	54	-13.87	AV
Horizontal	12770.069	60.85	-8.97	51.88	74	-22.12	Pk
Horizontal	12770.069	49.43	-8.97	40.46	54	-13.54	AV
Horizontal	19155.182	57.36	7.83	65.19	68.2	-3.01	Pk
Horizontal	19155.182	44.72	7.83	52.55	54	-1.45	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-5: 5955-6415MHz) - 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6025 MHz)-Above 1G							
Vertical	4679.062	72.19	-20.24	51.94	74	-22.06	Pk
Vertical	4679.062	59.10	-20.24	38.86	54	-15.14	AV
Vertical	12050.170	63.54	-8.45	55.09	74	-18.91	Pk
Vertical	12050.170	49.77	-8.45	41.32	54	-12.68	AV
Vertical	18075.200	57.11	-1.31	55.80	68.2	-12.40	Pk
Vertical	18075.200	44.83	-1.31	43.52	54	-10.48	AV
Horizontal	4679.111	72.71	-20.24	52.46	74	-21.54	Pk
Horizontal	4679.111	59.60	-20.24	39.36	54	-14.64	AV
Horizontal	12050.005	64.40	-8.45	55.95	74	-18.05	Pk
Horizontal	12050.005	49.81	-8.45	41.36	54	-12.64	AV
Horizontal	18075.126	58.28	-1.31	56.97	68.2	-11.23	Pk
Horizontal	18075.126	44.41	-1.31	43.10	54	-10.90	AV
middle Channel (6185 MHz)-Above 1G							
Vertical	6039.148	71.93	-18.93	52.99	68.2	-15.21	Pk
Vertical	6039.148	59.15	-18.93	40.22	54	-13.78	AV
Vertical	12370.070	62.45	-9.03	53.42	74	-20.58	Pk
Vertical	12370.070	49.14	-9.03	40.11	54	-13.89	AV
Vertical	18555.007	59.84	6.68	66.52	68.2	-1.68	Pk
Vertical	18555.007	44.72	6.68	51.40	54	-2.60	AV
Horizontal	6039.183	70.21	-18.93	51.28	68.2	-16.92	Pk
Horizontal	6039.183	59.56	-18.93	40.62	54	-13.38	AV
Horizontal	12370.010	64.63	-9.03	55.60	74	-18.40	Pk
Horizontal	12370.010	49.91	-9.03	40.88	54	-13.12	AV
Horizontal	18555.038	57.27	6.68	63.95	68.2	-4.25	Pk
Horizontal	18555.038	44.47	6.68	51.15	54	-2.85	AV
High Channel (6345 MHz)-Above 1G							
Vertical	6039.001	59.74	-18.93	40.80	54	-13.20	Pk
Vertical	12690.122	62.01	-8.97	53.04	74	-20.96	AV
Vertical	12690.122	49.31	-8.97	40.34	54	-13.66	Pk
Vertical	19035.030	56.21	7.68	63.89	68.2	-4.31	AV
Vertical	19035.030	44.68	7.68	52.36	54	-1.64	Pk
Vertical	6039.199	73.51	-18.93	54.58	68.2	-13.62	AV
Horizontal	6039.199	59.37	-18.93	40.43	54	-13.57	Pk
Horizontal	12690.088	60.32	-8.97	51.35	74	-22.65	AV
Horizontal	12690.088	49.65	-8.97	40.68	54	-13.32	Pk
Horizontal	19035.124	58.53	7.68	66.21	68.2	-1.99	AV
Horizontal	19035.124	44.85	7.68	52.53	54	-1.47	Pk
Horizontal	6039.001	59.74	-18.93	40.80	54	-13.20	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Quectel Antenna (YF0023CA) U-NII-6: 6435-6515MHz

Test Mode：	TX(U-NII-6: 6435-6515MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6435 MHz)-Above 1G							
Vertical	4681.569	70.47	-20.24	50.24	74	-23.76	Pk
Vertical	4681.569	59.95	-20.24	39.71	54	-14.29	AV
Vertical	12870.008	60.17	-7.95	52.22	68.2	-15.98	Pk
Vertical	12870.008	49.30	-7.95	41.35	54	-12.65	AV
Vertical	19305.197	59.50	7.76	67.26	68.2	-0.94	Pk
Vertical	19305.197	44.18	7.76	51.94	54	-2.06	AV
Horizontal	4679.081	74.03	-20.73	53.30	74	-20.70	Pk
Horizontal	4679.081	59.16	-20.73	38.43	54	-15.57	AV
Horizontal	12870.158	64.50	-7.95	56.55	68.2	-11.65	Pk
Horizontal	12870.158	49.67	-7.95	41.72	54	-12.28	AV
Horizontal	19305.135	56.69	7.76	64.45	68.2	-3.75	Pk
Horizontal	19305.135	44.54	7.76	52.30	54	-1.70	AV
middle Channel (6475 MHz)-Above 1G							
Vertical	4592.110	74.43	-20.42	54.01	74	-19.99	Pk
Vertical	4592.110	59.69	-20.42	39.27	54	-14.73	AV
Vertical	12950.126	62.93	-7.89	55.04	68.2	-13.16	Pk
Vertical	12950.126	49.43	-7.89	41.54	54	-12.46	AV
Vertical	19425.166	58.79	7.78	66.57	68.2	-1.63	Pk
Vertical	19425.166	44.37	7.78	52.15	54	-1.85	AV
Horizontal	4592.098	73.39	-20.42	52.98	74	-21.02	Pk
Horizontal	4592.098	59.09	-20.42	38.67	54	-15.33	AV
Horizontal	12950.118	62.55	-7.89	54.66	68.2	-13.54	Pk
Horizontal	12950.118	49.87	-7.89	41.98	54	-12.02	AV
Horizontal	19425.058	56.43	7.78	64.21	68.2	-3.99	Pk
Horizontal	19425.058	44.19	7.78	51.97	54	-2.03	AV
High Channel (6515 MHz)-Above 1G							
Vertical	6039.044	73.40	-18.93	54.47	68.2	-13.73	Pk
Vertical	6039.044	59.35	-18.93	40.41	54	-13.59	AV
Vertical	13030.141	61.72	-7.80	53.92	74	-20.08	Pk
Vertical	13030.141	49.37	-7.80	41.57	54	-12.43	AV
Vertical	19545.145	59.75	7.78	67.53	68.2	-0.67	Pk
Vertical	19545.145	44.86	7.78	52.64	54	-1.36	AV
Horizontal	6039.178	74.00	-18.93	55.07	68.2	-13.13	Pk
Horizontal	6039.178	59.49	-18.93	40.56	54	-13.44	AV
Horizontal	13030.045	60.34	-7.80	52.54	74	-21.46	Pk
Horizontal	13030.045	49.66	-7.80	41.86	54	-12.14	AV
Horizontal	19545.034	57.16	7.78	64.94	68.2	-3.26	Pk
Horizontal	19545.034	44.83	7.78	52.61	54	-1.39	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-6: 6435-6515MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6445 MHz)-Above 1G							
Vertical	4679.125	74.98	-20.24	54.74	74	-19.26	Pk
Vertical	4679.125	59.24	-20.24	39.00	54	-15.00	AV
Vertical	12890.152	62.78	-7.95	54.83	74	-19.17	Pk
Vertical	12890.152	49.26	-7.95	41.31	54	-12.69	AV
Vertical	19335.160	55.70	7.76	63.46	68.2	-4.74	Pk
Vertical	19335.160	44.50	7.76	52.26	54	-1.74	AV
Horizontal	4679.025	72.11	-20.24	51.87	74	-22.13	Pk
Horizontal	4679.025	59.15	-20.24	38.91	54	-15.09	AV
Horizontal	12890.060	63.25	-7.95	55.30	74	-18.70	Pk
Horizontal	12890.060	49.21	-7.95	41.26	54	-12.74	AV
Horizontal	19335.186	57.49	7.76	65.25	68.2	-2.95	Pk
Horizontal	19335.186	44.84	7.76	52.60	54	-1.40	AV
middle Channel (6485 MHz)-Above 1G							
Vertical	6039.064	74.89	-18.93	55.96	68.2	-12.24	Pk
Vertical	6039.064	59.57	-18.93	40.64	54	-13.36	AV
Vertical	12970.092	64.20	-7.85	56.35	74	-17.65	Pk
Vertical	12970.092	49.53	-7.85	41.68	54	-12.32	AV
Vertical	19455.182	58.21	7.78	65.99	68.2	-2.21	Pk
Vertical	19455.182	44.09	7.78	51.87	54	-2.13	AV
Horizontal	6039.094	71.82	-18.93	52.88	68.2	-15.32	Pk
Horizontal	6039.094	59.98	-18.93	41.05	54	-12.95	AV
Horizontal	12970.068	61.91	-7.85	54.06	74	-19.94	Pk
Horizontal	12970.068	49.28	-7.85	41.43	54	-12.57	AV
Horizontal	19455.138	58.94	7.78	66.72	68.2	-1.48	Pk
Horizontal	19455.138	44.75	7.78	52.53	54	-1.47	AV
High Channel (6525 MHz)-Above 1G							
Vertical	6039.164	72.99	-18.93	54.06	68.2	-14.14	Pk
Vertical	6039.164	59.82	-18.93	40.89	54	-13.11	AV
Vertical	13050.009	60.64	-7.8	52.84	74	-21.16	Pk
Vertical	13050.009	49.14	-7.8	41.34	54	-12.66	AV
Vertical	19575.145	56.54	7.78	64.32	68.2	-3.88	Pk
Vertical	19575.145	44.93	7.78	52.71	54	-1.29	AV
Horizontal	6039.025	71.63	-18.93	52.70	68.2	-15.50	Pk
Horizontal	6039.025	59.43	-18.93	40.50	54	-13.50	AV
Horizontal	13050.075	62.21	-7.8	54.41	74	-19.59	Pk
Horizontal	13050.075	49.29	-7.8	41.49	54	-12.51	AV
Horizontal	19575.107	56.78	7.78	64.56	68.2	-3.64	Pk
Horizontal	19575.107	44.69	7.78	52.47	54	-1.53	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-6: 6435-6515MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6465 MHz)-Above 1G							
Vertical	4679.152	72.11	-20.24	51.87	74	-22.13	Pk
Vertical	4679.152	59.32	-20.24	39.07	54	-14.93	AV
Vertical	12930.084	61.38	-7.85	53.53	74	-20.47	Pk
Vertical	12930.084	49.36	-7.85	41.51	54	-12.49	AV
Vertical	19395.057	58.11	7.76	65.87	68.2	-2.33	Pk
Vertical	19395.057	44.90	7.76	52.66	54	-1.34	AV
Horizontal	4679.144	70.66	-20.24	50.42	74	-23.58	Pk
Horizontal	4679.144	59.22	-20.24	38.97	54	-15.03	AV
Horizontal	12930.042	64.32	-7.85	56.47	74	-17.53	Pk
Horizontal	12930.042	49.01	-7.85	41.16	54	-12.84	AV
Horizontal	19395.066	56.84	7.76	64.60	68.2	-3.60	Pk
Horizontal	19395.066	44.85	7.76	52.61	54	-1.39	AV
High Channel (6545 MHz)-Above 1G							
Vertical	6039.058	71.58	-18.93	52.65	68.2	-15.55	Pk
Vertical	6039.058	59.57	-18.93	40.64	54	-13.36	AV
Vertical	13090.066	64.22	-7.8	56.42	74	-17.58	Pk
Vertical	13090.066	49.32	-7.8	41.52	54	-12.48	AV
Vertical	19635.136	56.12	7.78	63.90	68.2	-4.30	Pk
Vertical	19635.136	44.52	7.78	52.30	54	-1.70	AV
Horizontal	6039.051	71.97	-18.93	53.04	68.2	-15.16	Pk
Horizontal	6039.051	59.92	-18.93	40.99	54	-13.01	AV
Horizontal	13090.186	64.24	-7.8	56.44	74	-17.56	Pk
Horizontal	13090.186	49.33	-7.8	41.53	54	-12.47	AV
Horizontal	19635.147	58.88	7.78	66.66	68.2	-1.54	Pk
Horizontal	19635.147	44.69	7.78	52.47	54	-1.53	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-6: 6435-6515MHz)- 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6505 MHz)-Above 1G							
Vertical	4679.087	71.82	-20.24	51.57	74	-22.43	Pk
Vertical	4679.087	59.46	-20.24	39.22	54	-14.78	AV
Vertical	13010.197	62.19	-7.8	54.39	74	-19.61	Pk
Vertical	13010.197	49.25	-7.8	41.45	54	-12.55	AV
Vertical	19515.023	59.04	7.78	66.82	68.2	-1.38	Pk
Vertical	19515.023	44.72	7.78	52.50	54	-1.50	AV
Horizontal	4679.086	71.37	-20.24	51.12	74	-22.88	Pk
Horizontal	4679.086	59.23	-20.24	38.99	54	-15.01	AV
Horizontal	13010.059	64.42	-7.8	56.62	74	-17.38	Pk
Horizontal	13010.059	49.88	-7.8	42.08	54	-11.92	AV
Horizontal	19515.155	55.22	7.78	63.00	68.2	-5.20	Pk
Horizontal	19515.155	44.57	7.78	52.35	54	-1.65	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Quectel Antenna (YF0023CA) U-NII-7: 6535-6865MHz

Test Mode：	TX(U-NII-7: 6535-6865MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6535 MHz)-Above 1G							
Vertical	4680.281	72.25	-20.24	52.01	74	-21.99	Pk
Vertical	4680.281	59.77	-20.24	39.53	54	-14.47	AV
Vertical	13070.073	60.40	-7.8	52.60	68.2	-15.60	Pk
Vertical	13070.073	49.53	-7.8	41.73	54	-12.27	AV
Vertical	19605.121	55.65	7.78	63.43	68.2	-4.77	Pk
Vertical	19605.121	44.28	7.78	52.06	54	-1.94	AV
Horizontal	4679.132	72.35	-20.73	51.62	74	-22.38	Pk
Horizontal	4679.132	59.10	-20.73	38.37	54	-15.63	AV
Horizontal	13070.116	64.19	-7.8	56.39	68.2	-11.81	Pk
Horizontal	13070.116	49.73	-7.8	41.93	54	-12.07	AV
Horizontal	19605.199	59.68	7.78	67.46	68.2	-0.74	Pk
Horizontal	19605.199	44.09	7.78	51.87	54	-2.13	AV
Middle Channel (6695 MHz)-Above 1G							
Vertical	4592.140	73.66	-20.42	53.25	74	-20.75	Pk
Vertical	4592.140	59.07	-20.42	38.66	54	-15.34	AV
Vertical	13390.197	64.09	-7.53	56.56	68.2	-11.64	Pk
Vertical	13390.197	49.65	-7.53	42.12	54	-11.88	AV
Vertical	20085.063	58.03	8.00	66.03	68.2	-2.17	Pk
Vertical	20085.063	44.63	8.00	52.63	54	-1.37	AV
Horizontal	4592.051	72.01	-20.42	51.60	74	-22.40	Pk
Horizontal	4592.051	59.08	-20.42	38.66	54	-15.34	AV
Horizontal	13390.089	60.62	-7.53	53.09	68.2	-15.11	Pk
Horizontal	13390.089	49.13	-7.53	41.60	54	-12.40	AV
Horizontal	20085.048	57.07	8.00	65.07	68.2	-3.13	Pk
Horizontal	20085.048	44.26	8.00	52.26	54	-1.74	AV
High Channel (6855 MHz)-Above 1G							
Vertical	6039.031	73.31	-18.93	54.38	68.2	-13.82	Pk
Vertical	6039.031	59.67	-18.93	40.74	54	-13.26	AV
Vertical	13710.097	63.42	-7.31	56.11	74	-17.89	Pk
Vertical	13710.097	49.96	-7.31	42.65	54	-11.35	AV
Vertical	20565.079	56.53	3.72	60.25	68.2	-7.95	Pk
Vertical	20565.079	44.62	3.72	48.34	54	-5.66	AV
Horizontal	6039.192	70.36	-18.93	51.43	68.2	-16.77	Pk
Horizontal	6039.192	59.68	-18.93	40.75	54	-13.25	AV
Horizontal	13710.170	63.36	-7.31	56.05	74	-17.95	Pk
Horizontal	13710.170	49.61	-7.31	42.30	54	-11.70	AV
Horizontal	20565.004	59.98	3.72	63.70	68.2	-4.50	Pk
Horizontal	20565.004	44.91	3.72	48.63	54	-5.37	AV
High Channel (6875 MHz)-Above 1G							
Vertical	6039.002	73.07	-18.93	54.14	68.2	-14.06	Pk
Vertical	6039.002	59.86	-18.93	40.92	54	-13.08	AV
Vertical	13750.046	61.35	-7.31	54.04	74	-19.96	Pk

Vertical	13750.046	49.47	-7.31	42.16	54	-11.84	AV
Vertical	20625.155	56.01	3.71	59.72	68.2	-8.48	Pk
Vertical	20625.155	44.38	3.71	48.09	54	-5.91	AV
Horizontal	6039.013	72.18	-18.93	53.24	68.2	-14.96	Pk
Horizontal	6039.013	59.79	-18.93	40.85	54	-13.15	AV
Horizontal	13750.015	63.46	-7.31	56.15	74	-17.85	Pk
Horizontal	13750.015	49.20	-7.31	41.89	54	-12.11	AV
Horizontal	20625.193	56.07	3.71	59.78	68.2	-8.42	Pk
Horizontal	20625.193	44.75	3.71	48.46	54	-5.54	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-7: 6535-6865MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6565 MHz)-Above 1G							
Vertical	4679.146	71.87	-20.24	51.62	74	-22.38	Pk
Vertical	4679.146	59.40	-20.24	39.16	54	-14.84	AV
Vertical	13130.082	63.65	-7.65	56.00	74	-18.00	Pk
Vertical	13130.082	49.56	-7.65	41.91	54	-12.09	AV
Vertical	19695.101	56.72	7.78	64.50	68.2	-3.70	Pk
Vertical	19695.101	44.42	7.78	52.20	54	-1.80	AV
Horizontal	4679.174	73.26	-20.24	53.02	74	-20.98	Pk
Horizontal	4679.174	59.12	-20.24	38.88	54	-15.12	AV
Horizontal	13130.039	63.28	-7.65	55.63	74	-18.37	Pk
Horizontal	13130.039	49.70	-7.65	42.05	54	-11.95	AV
Horizontal	19695.146	58.37	7.78	66.15	68.2	-2.05	Pk
Horizontal	19695.146	44.99	7.78	52.77	54	-1.23	AV
middle Channel (6685 MHz)-Above 1G							
Vertical	6039.183	71.34	-18.93	52.41	68.2	-15.79	Pk
Vertical	6039.183	59.17	-18.93	40.24	54	-13.76	AV
Vertical	13370.107	61.63	-7.53	54.10	74	-19.90	Pk
Vertical	13370.107	49.23	-7.53	41.70	54	-12.30	AV
Vertical	20055.003	55.85	8	63.85	68.2	-4.35	Pk
Vertical	20055.003	44.31	8	52.31	54	-1.69	AV
Horizontal	6039.051	73.74	-18.93	54.80	68.2	-13.40	Pk
Horizontal	6039.051	59.66	-18.93	40.73	54	-13.27	AV
Horizontal	13370.021	63.60	-7.53	56.07	74	-17.93	Pk
Horizontal	13370.021	49.64	-7.53	42.11	54	-11.89	AV
Horizontal	20055.156	56.24	8	64.24	68.2	-3.96	Pk
Horizontal	20055.156	44.92	8	52.92	54	-1.08	AV
High Channel (6845 MHz)-Above 1G							
Vertical	6039.096	74.82	-18.93	55.88	68.2	-12.32	Pk
Vertical	6039.096	59.80	-18.93	40.87	54	-13.13	AV
Vertical	13690.070	62.20	-7.31	54.89	74	-19.11	Pk
Vertical	13690.070	49.92	-7.31	42.61	54	-11.39	AV
Vertical	20535.063	57.34	3.72	61.06	68.2	-7.14	Pk
Vertical	20535.063	44.09	3.72	47.81	54	-6.19	AV
Horizontal	6039.176	73.25	-18.93	54.32	68.2	-13.88	Pk
Horizontal	6039.176	59.60	-18.93	40.67	54	-13.33	AV
Horizontal	13690.147	64.26	-7.31	56.95	74	-17.05	Pk
Horizontal	13690.147	49.78	-7.31	42.47	54	-11.53	AV
Horizontal	20535.017	56.17	3.72	59.89	68.2	-8.31	Pk
Horizontal	20535.017	44.13	3.72	47.85	54	-6.15	AV
High Channel (6885 MHz)-Above 1G							
Vertical	6039.045	71.00	-18.93	52.07	68.2	-16.13	Pk
Vertical	6039.045	59.90	-18.93	40.97	54	-13.03	AV
Vertical	13770.111	62.45	-7.31	55.14	74	-18.86	Pk
Vertical	13770.111	49.44	-7.31	42.13	54	-11.87	AV
Vertical	20655.131	57.83	3.71	61.54	68.2	-6.66	Pk

Vertical	20655.131	44.89	3.71	48.60	54	-5.40	AV
Horizontal	6039.089	71.27	-18.93	52.34	68.2	-15.86	Pk
Horizontal	6039.089	59.55	-18.93	40.62	54	-13.38	AV
Horizontal	13770.113	62.64	-7.31	55.33	74	-18.67	Pk
Horizontal	13770.113	49.50	-7.31	42.19	54	-11.81	AV
Horizontal	20655.177	55.18	3.71	58.89	68.2	-9.31	Pk
Horizontal	20655.177	44.41	3.71	48.12	54	-5.88	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-7: 6535-6865MHz)- 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6625 MHz)-Above 1G							
Vertical	4679.113	70.63	-20.24	50.39	74	-23.61	Pk
Vertical	4679.113	59.34	-20.24	39.09	54	-14.91	AV
Vertical	13250.041	63.73	-7.61	56.12	74	-17.88	Pk
Vertical	13250.041	49.86	-7.61	42.25	54	-11.75	AV
Vertical	19875.122	57.23	7.78	65.01	68.2	-3.19	Pk
Vertical	19875.122	44.86	7.78	52.64	54	-1.36	AV
Horizontal	4679.183	74.69	-20.24	54.45	74	-19.55	Pk
Horizontal	4679.183	59.96	-20.24	39.72	54	-14.28	AV
Horizontal	13250.163	62.64	-7.61	55.03	74	-18.97	Pk
Horizontal	13250.163	49.75	-7.61	42.14	54	-11.86	AV
Horizontal	19875.033	56.05	7.78	63.83	68.2	-4.37	Pk
Horizontal	19875.033	44.76	7.78	52.54	54	-1.46	AV
Middle Channel (6705 MHz)-Above 1G							
Vertical	6039.132	74.44	-18.93	55.51	68.2	-12.69	Pk
Vertical	6039.132	59.80	-18.93	40.87	54	-13.13	AV
Vertical	13410.003	64.19	-7.4	56.79	74	-17.21	Pk
Vertical	13410.003	49.04	-7.4	41.64	54	-12.36	AV
Vertical	20115.039	59.99	6.35	66.34	68.2	-1.86	Pk
Vertical	20115.039	44.21	6.35	50.56	54	-3.44	AV
Horizontal	6039.009	74.29	-18.93	55.36	68.2	-12.84	Pk
Horizontal	6039.009	59.28	-18.93	40.35	54	-13.65	AV
Horizontal	13410.093	62.27	-7.4	54.87	74	-19.13	Pk
Horizontal	13410.093	49.11	-7.4	41.71	54	-12.29	AV
Horizontal	20115.022	57.08	6.35	63.43	68.2	-4.77	Pk
Horizontal	20115.022	44.75	6.35	51.10	54	-2.90	AV
High Channel (6785 MHz)-Above 1G							
Vertical	6039.090	74.88	-18.93	55.95	68.2	-12.25	Pk
Vertical	6039.090	59.90	-18.93	40.97	54	-13.03	AV
Vertical	13570.197	62.05	-7.39	54.66	74	-19.34	Pk
Vertical	13570.197	49.64	-7.39	42.25	54	-11.75	AV
Vertical	20355.042	58.49	5.82	64.31	68.2	-3.89	Pk
Vertical	20355.042	44.10	5.82	49.92	54	-4.08	AV
Horizontal	6039.105	72.31	-18.93	53.38	68.2	-14.82	Pk
Horizontal	6039.105	59.44	-18.93	40.51	54	-13.49	AV
Horizontal	13570.083	62.53	-7.39	55.14	74	-18.86	Pk
Horizontal	13570.083	49.36	-7.39	41.97	54	-12.03	AV
Horizontal	20355.007	55.85	5.82	61.67	68.2	-6.53	Pk
Horizontal	20355.007	44.91	5.82	50.73	54	-3.27	AV
High Channel (6865 MHz)-Above 1G							
Vertical	6039.117	74.89	-18.93	55.96	68.2	-12.24	Pk
Vertical	6039.117	59.62	-18.93	40.69	54	-13.31	AV
Vertical	13730.157	63.76	-7.23	56.53	74	-17.47	Pk
Vertical	13730.157	49.61	-7.23	42.38	54	-11.62	AV

Vertical	20595.018	55.45	3.51	58.96	68.2	-9.24	Pk
Vertical	20595.018	44.85	3.51	48.36	54	-5.64	AV
Horizontal	6039.059	74.64	-18.93	55.71	68.2	-12.49	Pk
Horizontal	6039.059	59.93	-18.93	41.00	54	-13.00	AV
Horizontal	13730.053	64.56	-7.23	57.33	74	-16.67	Pk
Horizontal	13730.053	49.66	-7.23	42.43	54	-11.57	AV
Horizontal	20595.078	56.80	3.51	60.31	68.2	-7.89	Pk
Horizontal	20595.078	44.26	3.51	47.77	54	-6.23	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-7: 6535-6865MHz)- 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6665 MHz)-Above 1G							
Vertical	4679.061	72.23	-20.24	51.99	74	-22.01	Pk
Vertical	4679.061	59.77	-20.24	39.53	54	-14.47	AV
Vertical	13330.019	61.96	-7.5	54.46	74	-19.54	Pk
Vertical	13330.019	49.56	-7.5	42.06	54	-11.94	AV
Vertical	19995.018	58.22	8	66.22	68.2	-1.98	Pk
Vertical	19995.018	44.58	8	52.58	54	-1.42	AV
Horizontal	4679.148	73.19	-20.24	52.95	74	-21.05	Pk
Horizontal	4679.148	59.32	-20.24	39.08	54	-14.92	AV
Horizontal	13330.171	63.05	-7.5	55.55	74	-18.45	Pk
Horizontal	13330.171	49.50	-7.5	42.00	54	-12.00	AV
Horizontal	19995.196	55.01	8	63.01	68.2	-5.19	Pk
Horizontal	19995.196	44.70	8	52.70	54	-1.30	AV
High Channel (6825 MHz)-Above 1G							
Vertical	6039.160	71.53	-18.93	52.60	68.2	-15.60	Pk
Vertical	6039.160	59.74	-18.93	40.81	54	-13.19	AV
Vertical	13650.197	63.06	-7.3	55.76	74	-18.24	Pk
Vertical	13650.197	50.00	-7.3	42.70	54	-11.30	AV
Vertical	20475.123	59.25	4.27	63.52	68.2	-4.68	Pk
Vertical	20475.123	44.99	4.27	49.26	54	-4.74	AV
Horizontal	6039.179	70.29	-18.93	51.36	68.2	-16.84	Pk
Horizontal	6039.179	59.17	-18.93	40.24	54	-13.76	AV
Horizontal	13650.088	63.74	-7.3	56.44	74	-17.56	Pk
Horizontal	13650.088	49.49	-7.3	42.19	54	-11.81	AV
Horizontal	20475.173	57.51	4.27	61.78	68.2	-6.42	Pk
Horizontal	20475.173	44.82	4.27	49.09	54	-4.91	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Quectel Antenna (YF0023CA) U-NII-8: 6885-7115MHz

Test Mode：	TX(U-NII-8: 6885-7115MHz) - 802.11ax20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6895 MHz)-Above 1G							
Vertical	4679.961	74.41	-20.24	54.17	74	-19.83	Pk
Vertical	4679.961	59.77	-20.24	39.53	54	-14.47	AV
Vertical	13790.089	62.41	-7.23	55.18	68.2	-13.02	Pk
Vertical	13790.089	49.73	-7.23	42.50	54	-11.50	AV
Vertical	20685.018	56.06	3.51	59.57	68.2	-8.63	Pk
Vertical	20685.018	44.13	3.51	47.64	54	-6.36	AV
Horizontal	4679.029	73.81	-20.73	53.08	74	-20.92	Pk
Horizontal	4679.029	59.12	-20.73	38.39	54	-15.61	AV
Horizontal	13790.082	64.90	-7.23	57.67	68.2	-10.53	Pk
Horizontal	13790.082	49.79	-7.23	42.56	54	-11.44	AV
Horizontal	20685.132	57.24	3.51	60.75	68.2	-7.45	Pk
Horizontal	20685.132	44.92	3.51	48.43	54	-5.57	AV
middle Channel (6995 MHz)-Above 1G							
Vertical	4592.147	74.45	-20.42	54.04	74	-19.96	Pk
Vertical	4592.147	59.11	-20.42	38.70	54	-15.30	AV
Vertical	13990.007	60.16	-6.83	53.33	68.2	-14.87	Pk
Vertical	13990.007	49.01	-6.83	42.18	54	-11.82	AV
Vertical	20985.080	59.30	-1.95	57.35	68.2	-10.85	Pk
Vertical	20985.080	44.57	-1.95	42.62	54	-11.38	AV
Horizontal	4592.094	71.86	-20.42	51.44	74	-22.56	Pk
Horizontal	4592.094	59.85	-20.42	39.44	54	-14.56	AV
Horizontal	13990.119	60.05	-6.83	53.22	68.2	-14.98	Pk
Horizontal	13990.119	49.09	-6.83	42.26	54	-11.74	AV
Horizontal	20985.161	58.78	-1.95	56.83	68.2	-11.37	Pk
Horizontal	20985.161	44.87	-1.95	42.92	54	-11.08	AV
High Channel (7115 MHz)-Above 1G							
Vertical	4592.105	73.02	-20.42	52.60	68.2	-15.60	Pk
Vertical	4592.105	59.05	-20.42	38.63	54	-15.37	AV
Vertical	14230.135	64.36	-7.12	57.24	74	-16.76	Pk
Vertical	14230.135	49.65	-7.12	42.53	54	-11.47	AV
Vertical	21345.061	57.90	-1.91	55.99	68.2	-12.21	Pk
Vertical	21345.061	44.16	-1.91	42.25	54	-11.75	AV
Horizontal	6039.178	71.14	-18.93	52.20	68.2	-16.00	Pk
Horizontal	6039.178	59.67	-18.93	40.74	54	-13.26	AV
Horizontal	14230.081	61.40	-7.12	54.28	74	-19.72	Pk
Horizontal	14230.081	49.66	-7.12	42.54	54	-11.46	AV
Horizontal	21345.077	56.48	-1.91	54.57	68.2	-13.63	Pk
Horizontal	21345.077	44.40	-1.91	42.49	54	-11.51	AV

Note: The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-8: 6885-7115MHz) - 802.11ax40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6925 MHz)-Above 1G							
Vertical	4679.095	70.73	-20.24	50.49	74	-23.51	Pk
Vertical	4679.095	59.75	-20.24	39.51	54	-14.49	AV
Vertical	13850.176	61.87	-7.23	54.64	74	-19.36	Pk
Vertical	13850.176	49.41	-7.23	42.18	54	-11.82	AV
Vertical	20775.011	55.90	3.51	59.41	68.2	-8.79	Pk
Vertical	20775.011	44.25	3.51	47.76	54	-6.24	AV
Horizontal	4679.162	72.20	-20.24	51.95	74	-22.05	Pk
Horizontal	4679.162	59.89	-20.24	39.65	54	-14.35	AV
Horizontal	13850.076	63.45	-7.23	56.22	74	-17.78	Pk
Horizontal	13850.076	49.44	-7.23	42.21	54	-11.79	AV
Horizontal	20775.036	56.43	3.51	59.94	68.2	-8.26	Pk
Horizontal	20775.036	44.57	3.51	48.08	54	-5.92	AV
middle Channel (6965 MHz)-Above 1G							
Vertical	6039.089	70.55	-18.93	51.62	68.2	-16.58	Pk
Vertical	6039.089	59.06	-18.93	40.13	54	-13.87	AV
Vertical	13930.049	64.56	-6.83	57.73	74	-16.27	Pk
Vertical	13930.049	49.83	-6.83	43.00	54	-11.00	AV
Vertical	20895.046	55.66	-1.95	53.71	68.2	-14.49	Pk
Vertical	20895.046	44.12	-1.95	42.17	54	-11.83	AV
Horizontal	6039.031	74.91	-18.93	55.98	68.2	-12.22	Pk
Horizontal	6039.031	59.87	-18.93	40.94	54	-13.06	AV
Horizontal	13930.114	63.63	-6.83	56.80	74	-17.20	Pk
Horizontal	13930.114	49.01	-6.83	42.18	54	-11.82	AV
Horizontal	20895.155	57.74	-1.95	55.79	68.2	-12.41	Pk
Horizontal	20895.155	44.41	-1.95	42.46	54	-11.54	AV
High Channel (7085 MHz)-Above 1G							
Vertical	6039.008	70.08	-18.93	51.15	68.2	-17.05	Pk
Vertical	6039.008	59.34	-18.93	40.41	54	-13.59	AV
Vertical	14170.194	64.23	-7.12	57.11	74	-16.89	Pk
Vertical	14170.194	49.59	-7.12	42.47	54	-11.53	AV
Vertical	21255.193	56.51	-1.91	54.60	68.2	-13.60	Pk
Vertical	21255.193	44.13	-1.91	42.22	54	-11.78	AV
Horizontal	6039.154	71.84	-18.93	52.90	68.2	-15.30	Pk
Horizontal	6039.154	59.27	-18.93	40.34	54	-13.66	AV
Horizontal	14170.137	61.39	-7.12	54.27	74	-19.73	Pk
Horizontal	14170.137	49.63	-7.12	42.51	54	-11.49	AV
Horizontal	21255.031	58.98	-1.91	57.07	68.2	-11.13	Pk
Horizontal	21255.031	44.80	-1.91	42.89	54	-11.11	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode :	TX(U-NII-8: 6885-7115MHz) - 802.11ax80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6945 MHz)-Above 1G							
Vertical	4679.106	71.18	-20.24	50.94	74	-23.06	Pk
Vertical	4679.106	59.44	-20.24	39.20	54	-14.80	AV
Vertical	13890.135	64.98	-7.23	57.75	74	-16.25	Pk
Vertical	13890.135	49.11	-7.23	41.88	54	-12.12	AV
Vertical	20835.188	55.06	3.51	58.57	68.2	-9.63	Pk
Vertical	20835.188	44.55	3.51	48.06	54	-5.94	AV
Horizontal	4679.114	70.11	-20.24	49.86	74	-24.14	Pk
Horizontal	4679.114	59.38	-20.24	39.14	54	-14.86	AV
Horizontal	13890.015	64.63	-7.23	57.40	74	-16.60	Pk
Horizontal	13890.015	49.73	-7.23	42.50	54	-11.50	AV
Horizontal	20835.142	59.37	3.51	62.88	68.2	-5.32	Pk
Horizontal	20835.142	44.25	3.51	47.76	54	-6.24	AV
High Channel (7025 MHz)-Above 1G							
Vertical	6039.178	73.35	-18.93	54.42	68.2	-13.78	Pk
Vertical	6039.178	59.56	-18.93	40.63	54	-13.37	AV
Vertical	14050.049	61.83	-6.83	55.00	74	-19.00	Pk
Vertical	14050.049	49.98	-6.83	43.15	54	-10.85	AV
Vertical	21075.104	56.87	-1.95	54.92	68.2	-13.28	Pk
Vertical	21075.104	44.44	-1.95	42.49	54	-11.51	AV
Horizontal	6039.166	74.10	-18.93	55.17	68.2	-13.03	Pk
Horizontal	6039.166	59.63	-18.93	40.70	54	-13.30	AV
Horizontal	14050.012	60.70	-6.83	53.87	74	-20.13	Pk
Horizontal	14050.012	49.49	-6.83	42.66	54	-11.34	AV
Horizontal	21075.090	60.00	-1.95	58.05	68.2	-10.15	Pk
Horizontal	21075.090	44.87	-1.95	42.92	54	-11.08	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

Test Mode:	TX(U-NII-8: 6885-7115MHz) - 802.11ax160

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (6985 MHz)-Above 1G							
Vertical	4679.103	73.09	-20.24	52.85	74	-21.15	Pk
Vertical	4679.103	59.10	-20.24	38.86	54	-15.14	AV
Vertical	13970.161	63.76	-6.83	56.93	74	-17.07	Pk
Vertical	13970.161	49.60	-6.83	42.77	54	-11.23	AV
Vertical	20955.156	57.02	-1.95	55.07	68.2	-13.13	Pk
Vertical	20955.156	44.11	-1.95	42.16	54	-11.84	AV
Horizontal	4679.196	72.10	-20.24	51.86	74	-22.14	Pk
Horizontal	4679.196	59.54	-20.24	39.30	54	-14.70	AV
Horizontal	13970.124	60.08	-6.83	53.25	74	-20.75	Pk
Horizontal	13970.124	49.46	-6.83	42.63	54	-11.37	AV
Horizontal	20955.064	56.21	-1.95	54.26	68.2	-13.94	Pk
Horizontal	20955.064	44.44	-1.95	42.49	54	-11.51	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G 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.
Test Mode is MIMO Mode (4T4R).

4x4MIMO antenna:

- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 20 Frequency(MHz): 5955

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5904.25	V	43.19	68.20
5925.00	V	43.78	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5874.00	H	42.44	68.20
5925.00	H	43.54	68.20

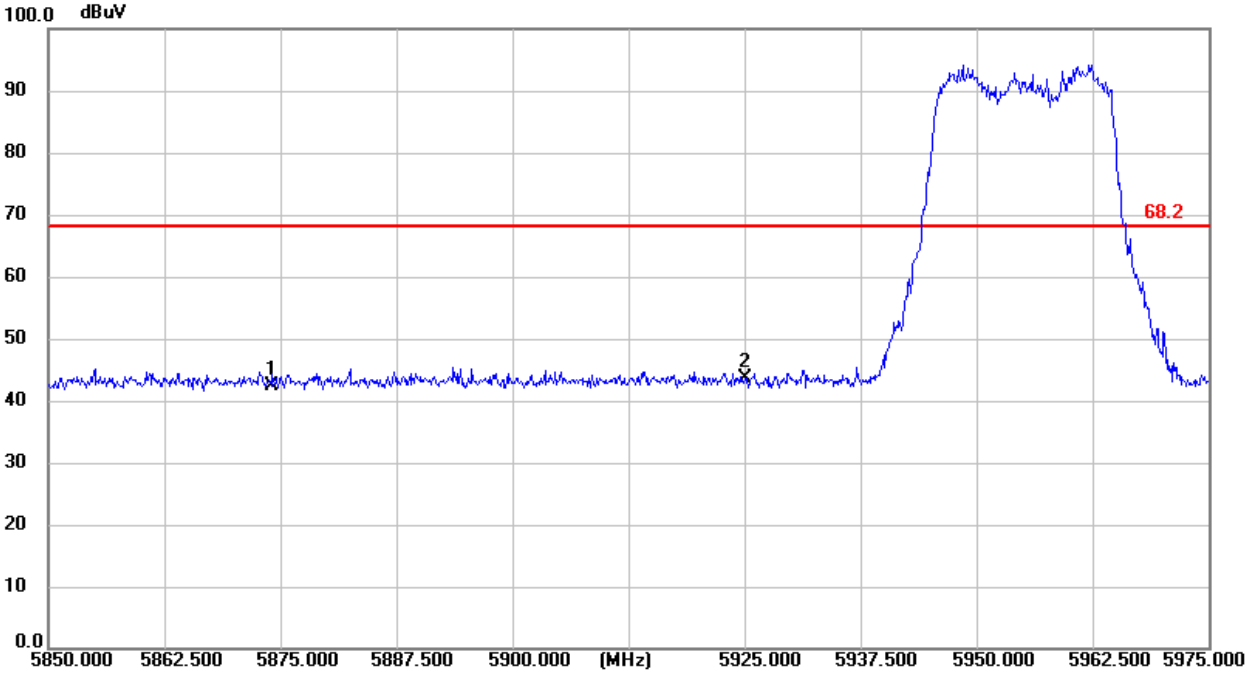
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L – Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 20

☒5955 Ant.Pol H

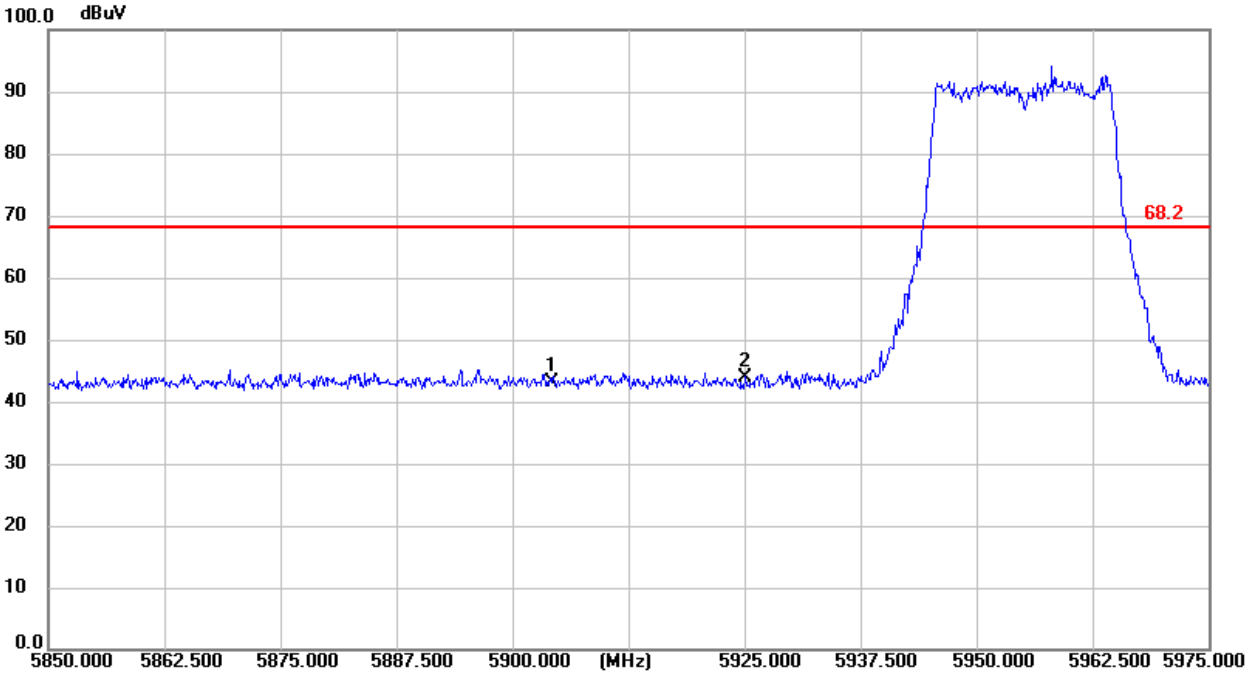


U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 20

☒5955 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 40 Frequency(MHz): 5965

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5857.95	V	44.55	68.20
5928.90	V	45.02	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5874.90	H	45.21	68.20
5923.05	H	45.45	68.20

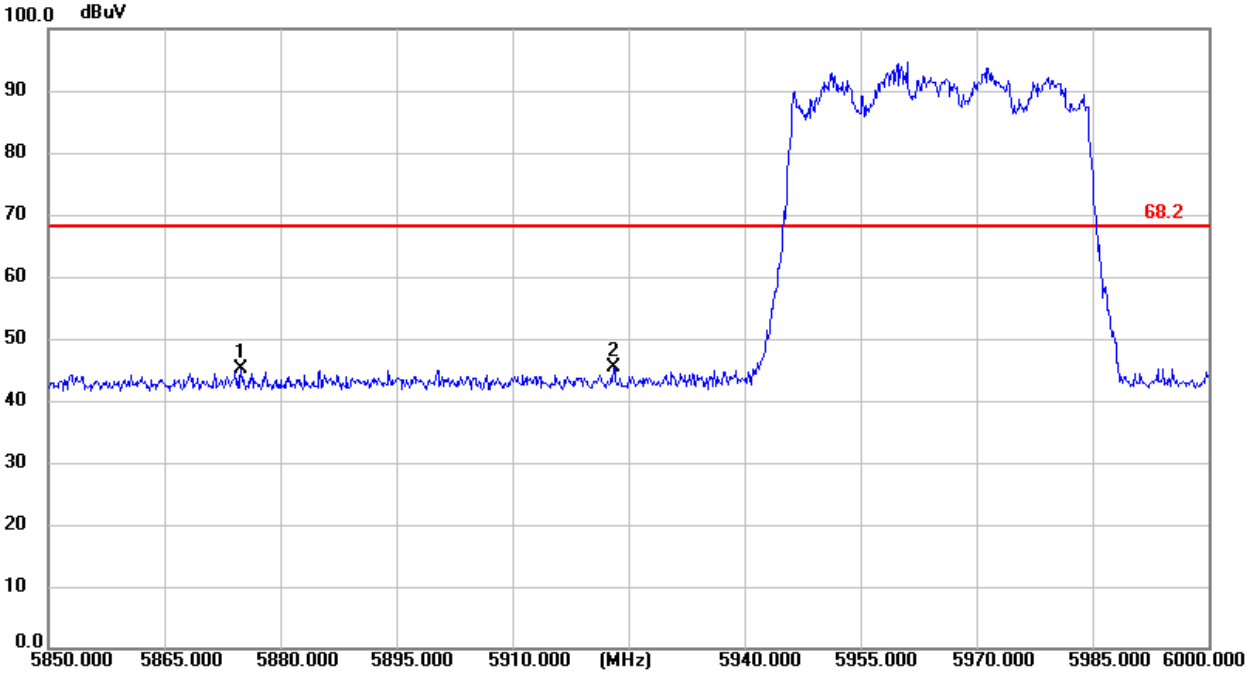
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 40

☒5965 Ant.Pol H

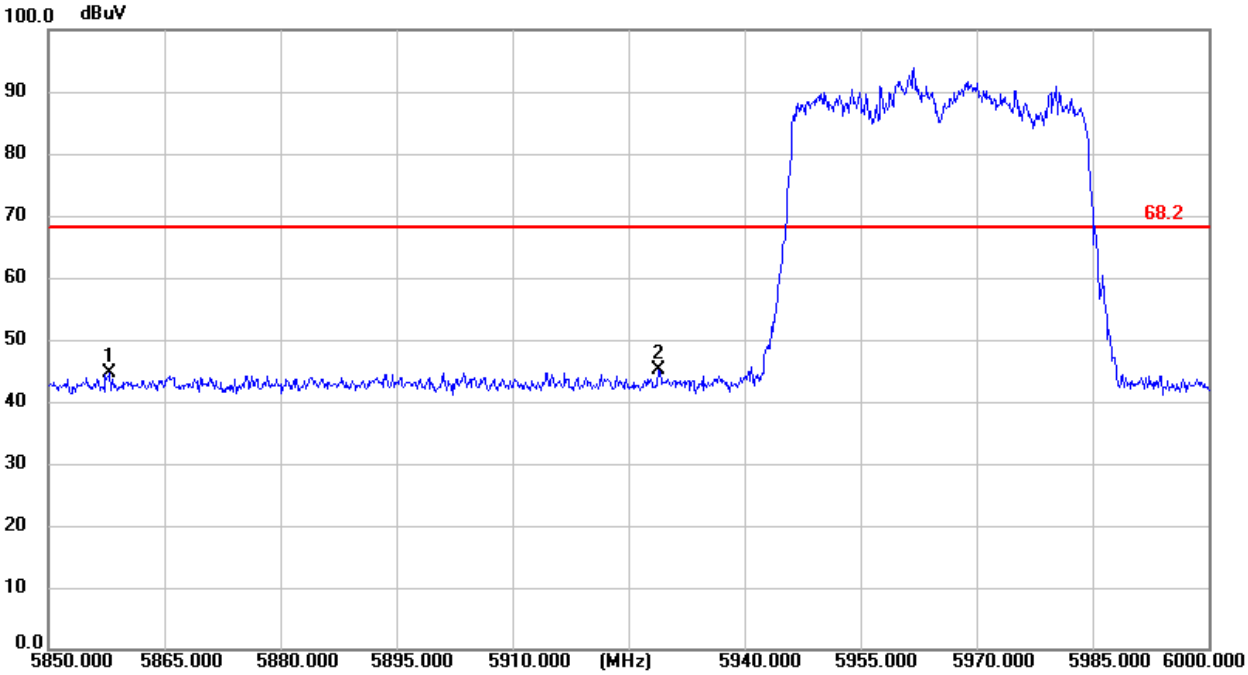


U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 40

☒5965 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 80 Frequency(MHz): 5985

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5869.40	V	45.37	68.20
5893.40	V	45.35	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5857.60	H	44.43	68.20
5919.00	H	44.73	68.20

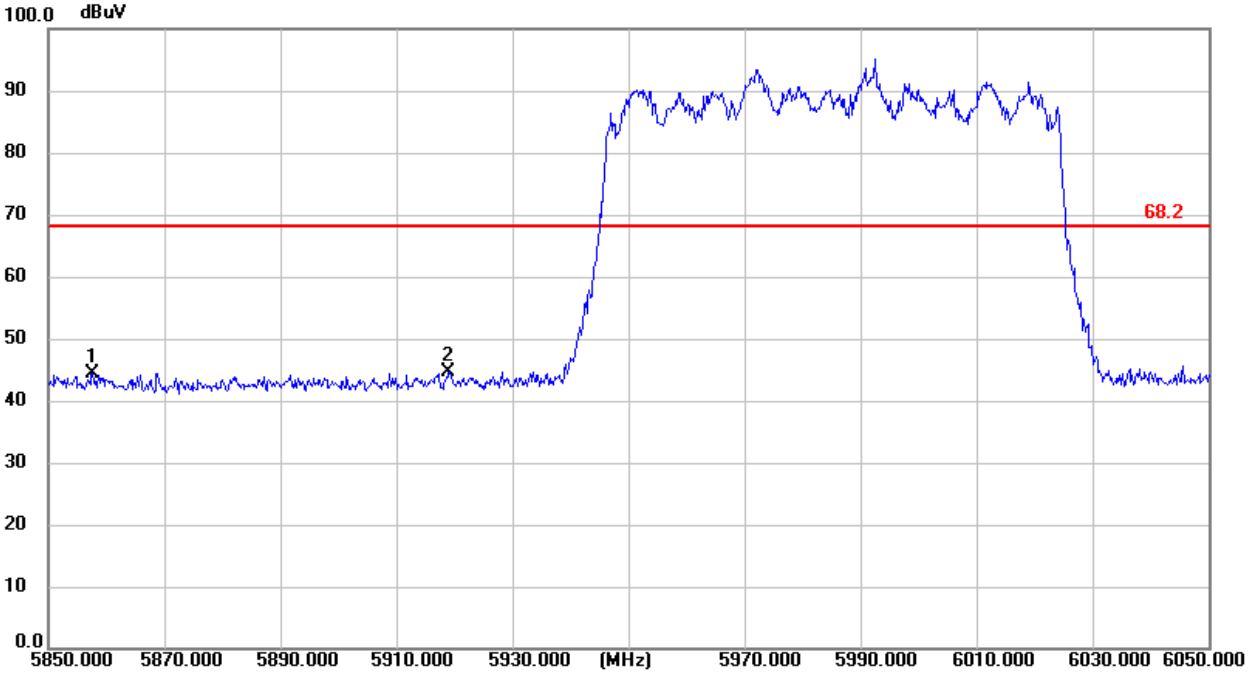
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 80

☒5985 Ant.Pol H

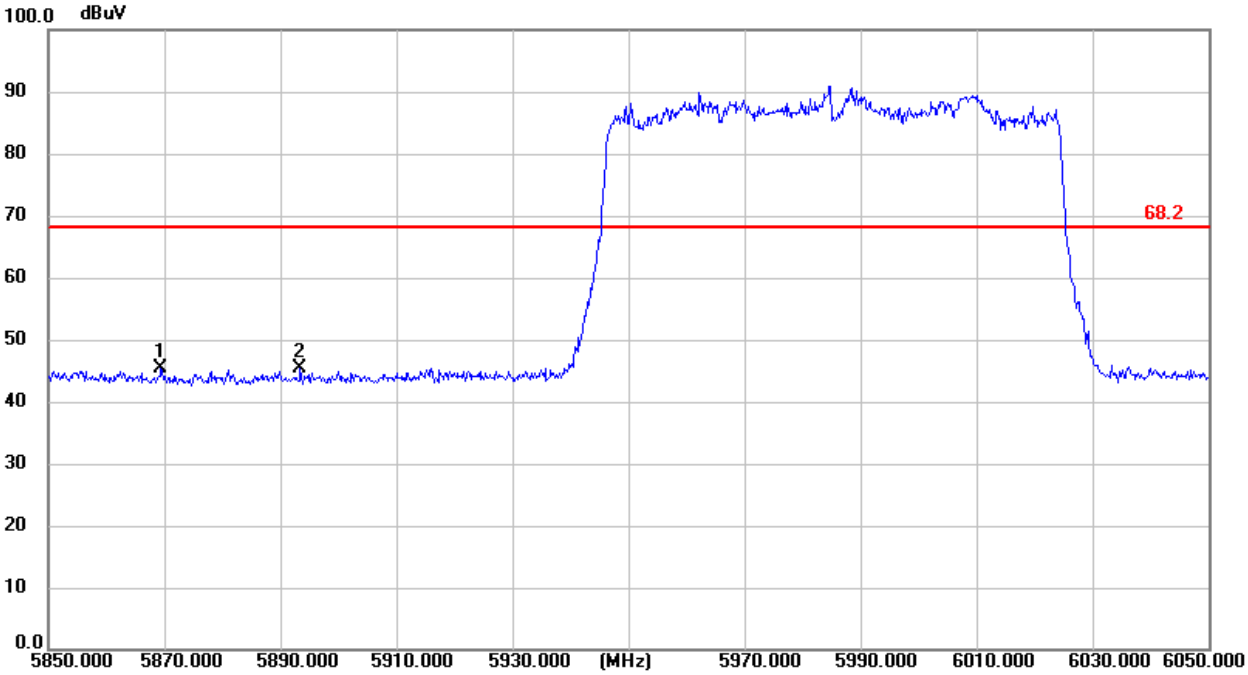


U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 80

☒5985 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 160 Frequency(MHz): 6025

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5718.50	V	44.68	68.20
5878.00	V	44.65	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5670.50	H	44.75	68.20
5814.50	H	45.51	68.20

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

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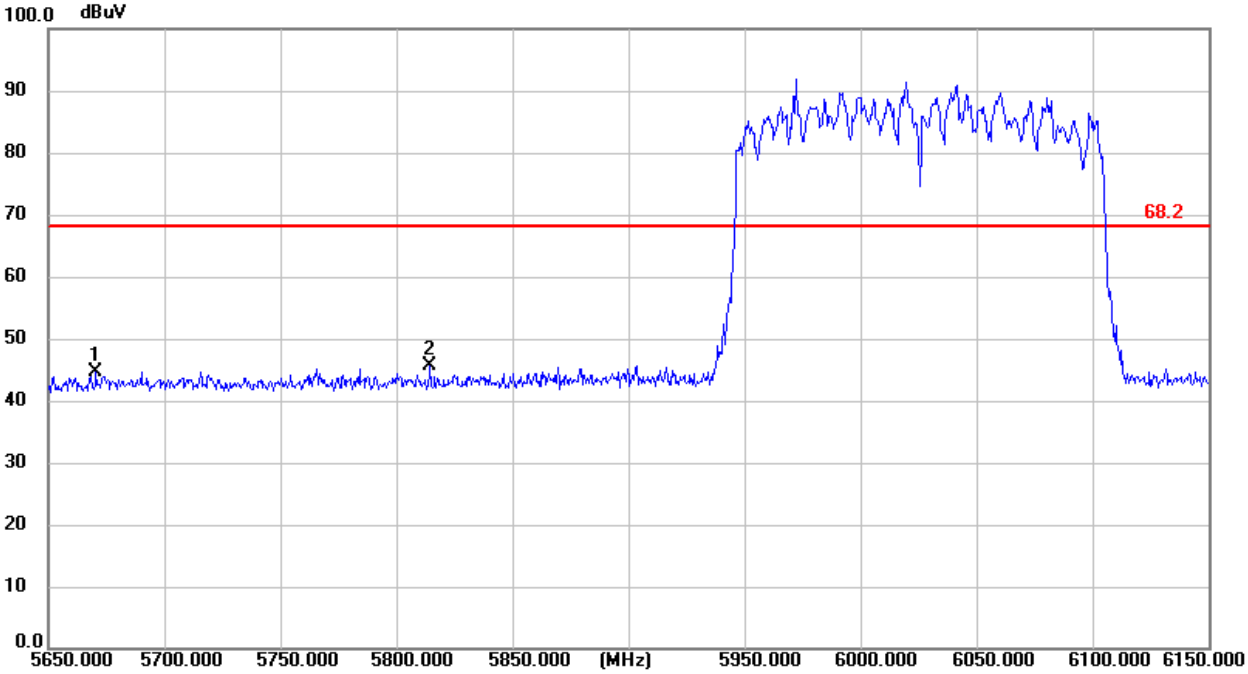
Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 160

☒6025 Ant.Pol H

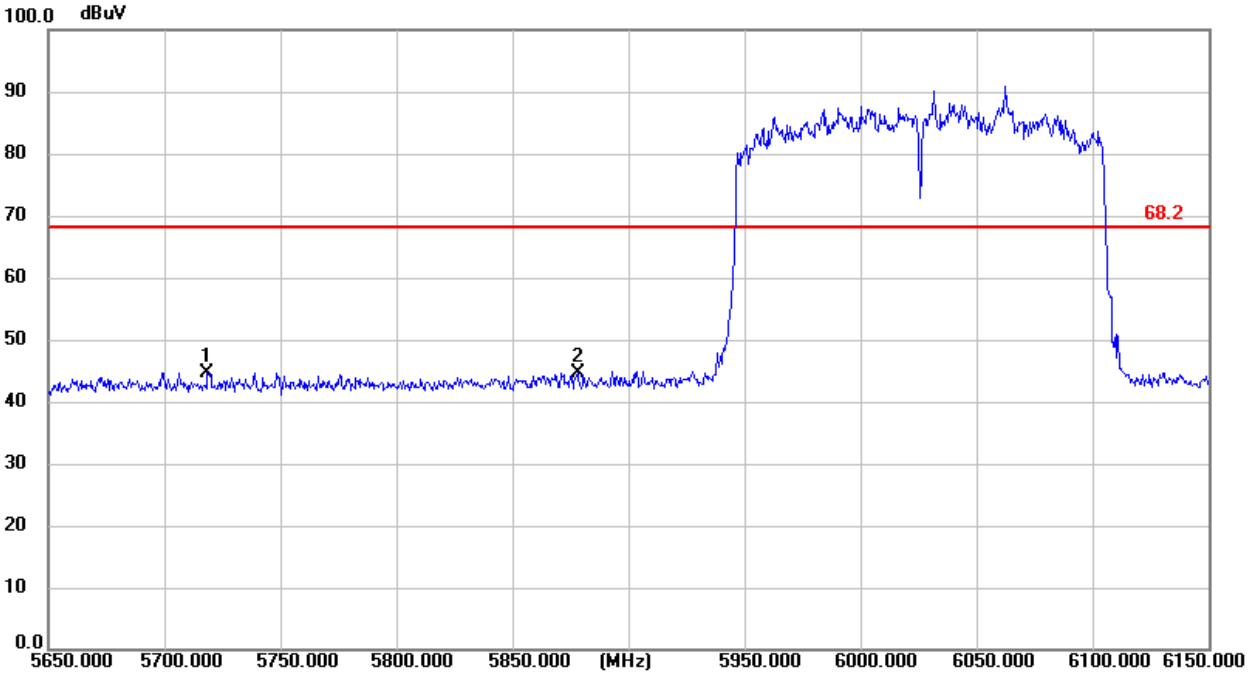


U-NII - 5

Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 160

☒6025 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 20 Frequency(MHz): 7115

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7151.15	V	46.98	68.20
7182.05	V	47.75	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7135.25	H	46.91	68.20
7177.10	H	46.95	68.20

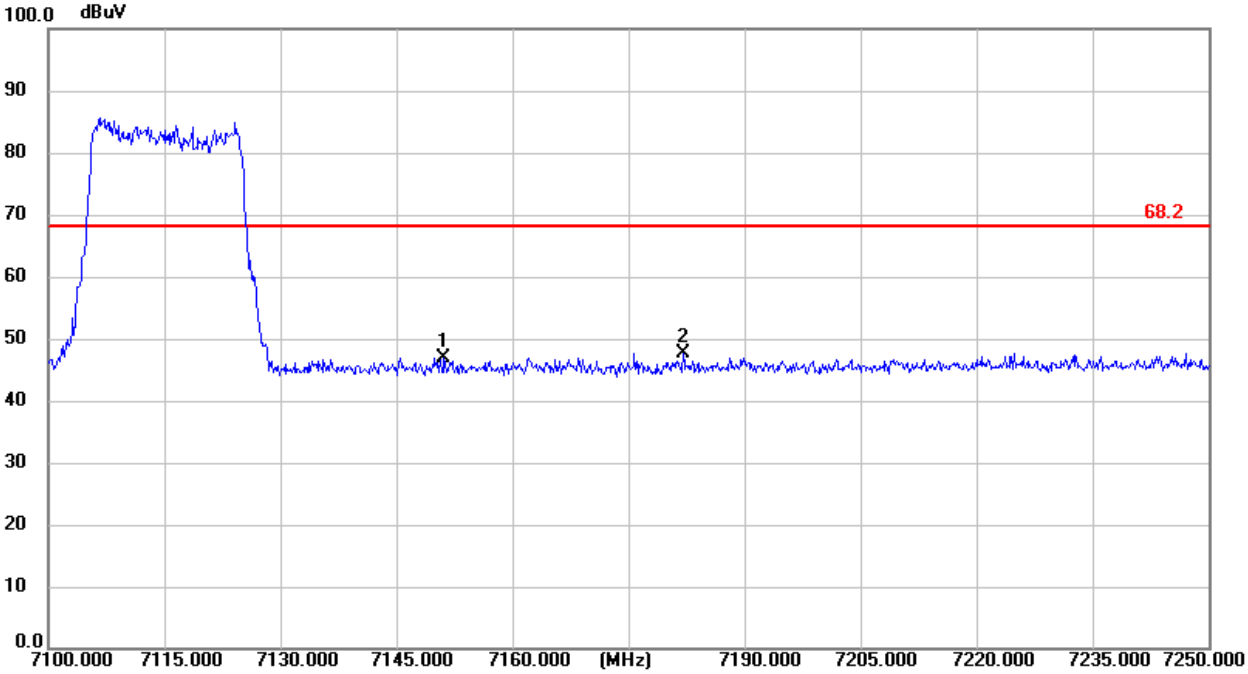
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 20

☒7115 Ant.Pol H

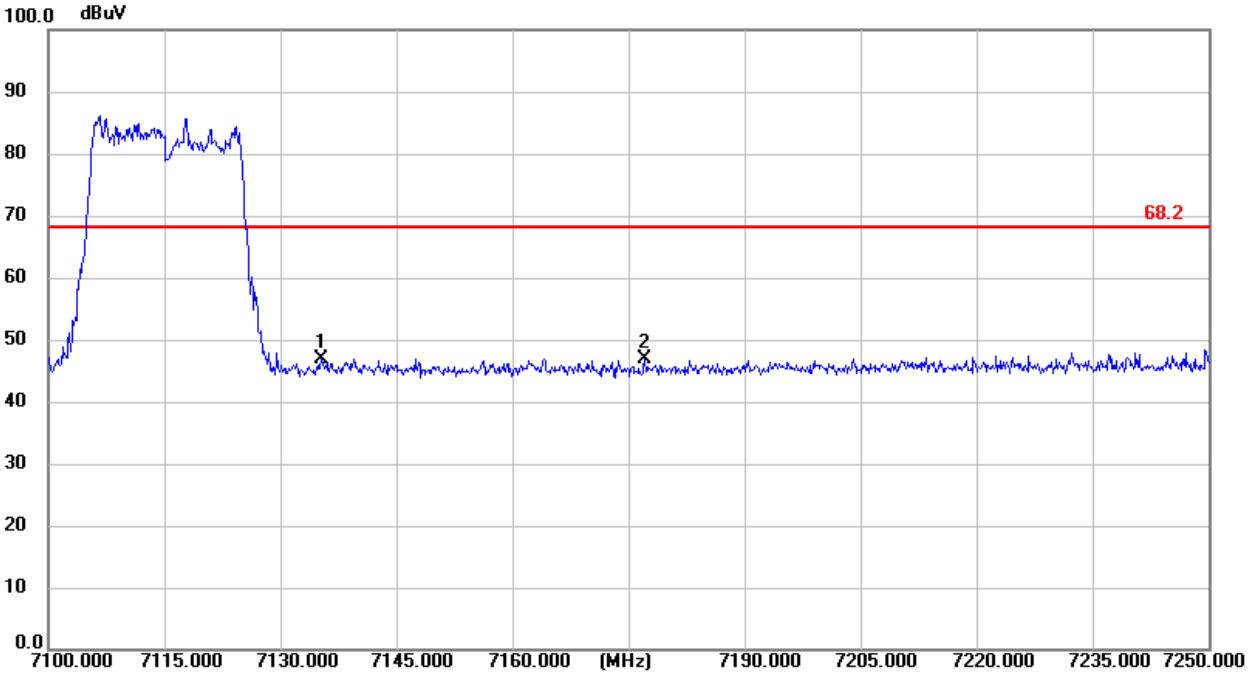


U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 20

☒7115 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 40 Frequency(MHz): 7085

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7130.40	V	47.03	68.20
7243.20	V	48.27	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7147.20	H	46.38	68.20
7221.80	H	47.76	68.20

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

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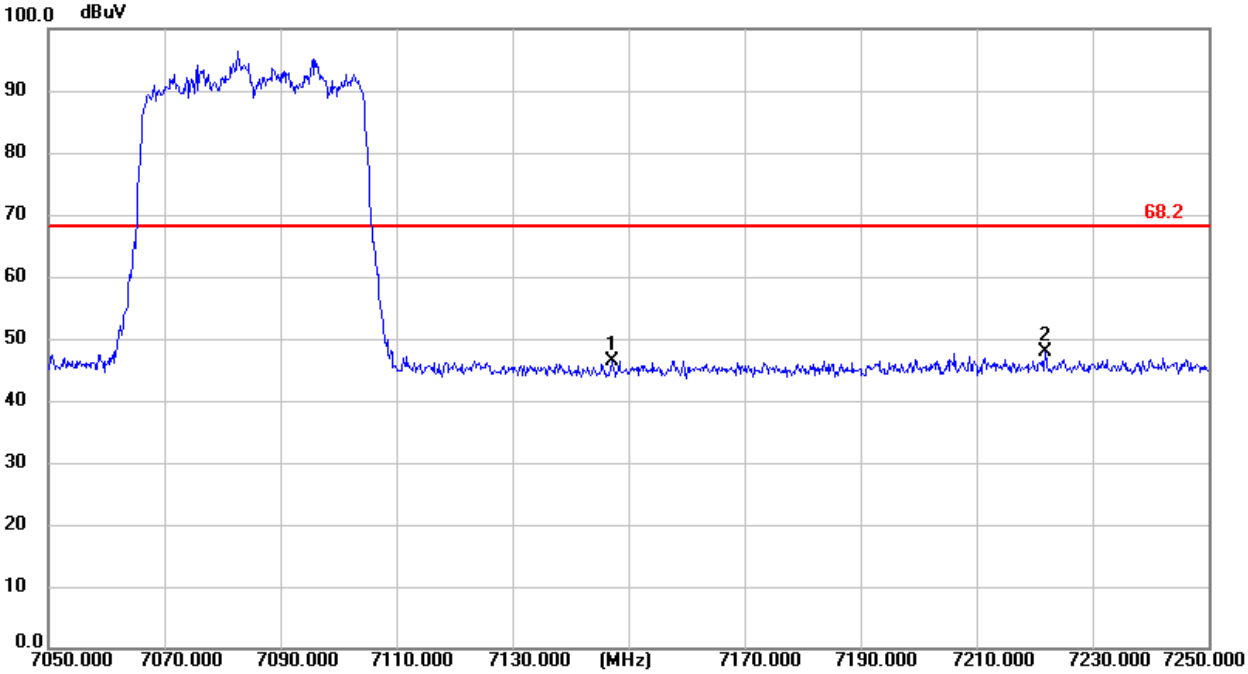
Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 40

☒7085 Ant.Pol H

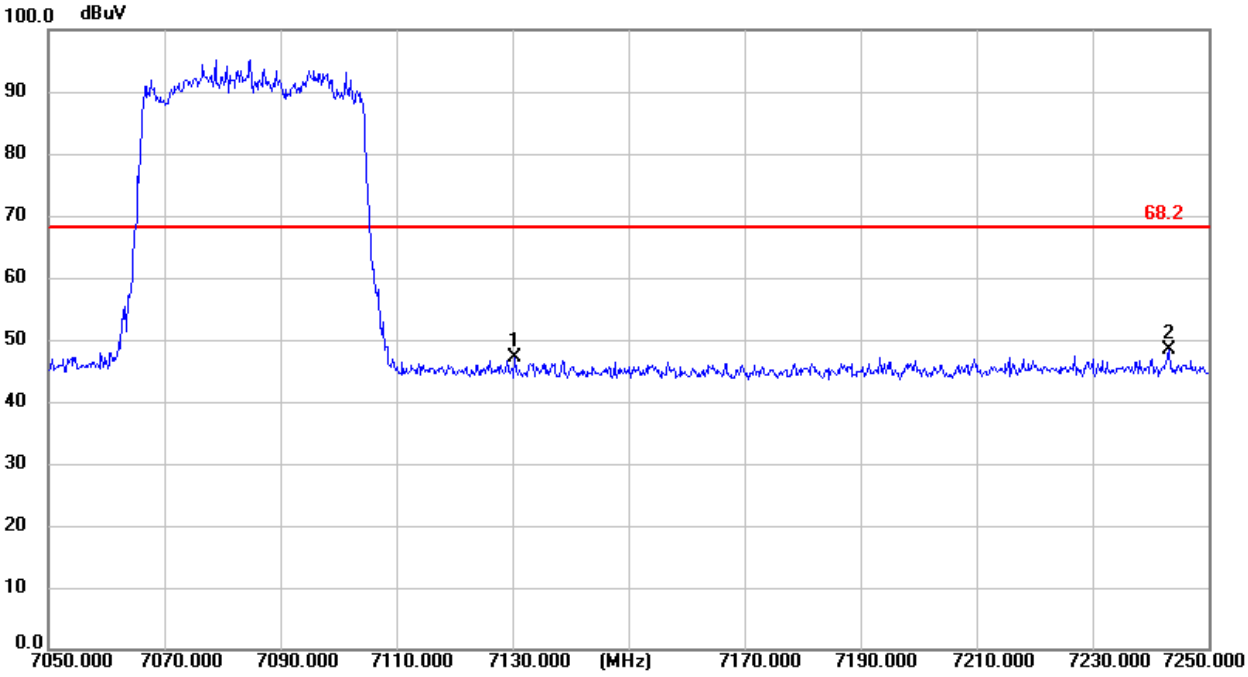


U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 40

☒7085 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 80 Frequency(MHz): 7025

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7084.80	V	47.50	68.20
7136.80	V	46.73	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7096.80	H	47.58	68.20
7139.60	H	47.41	68.20

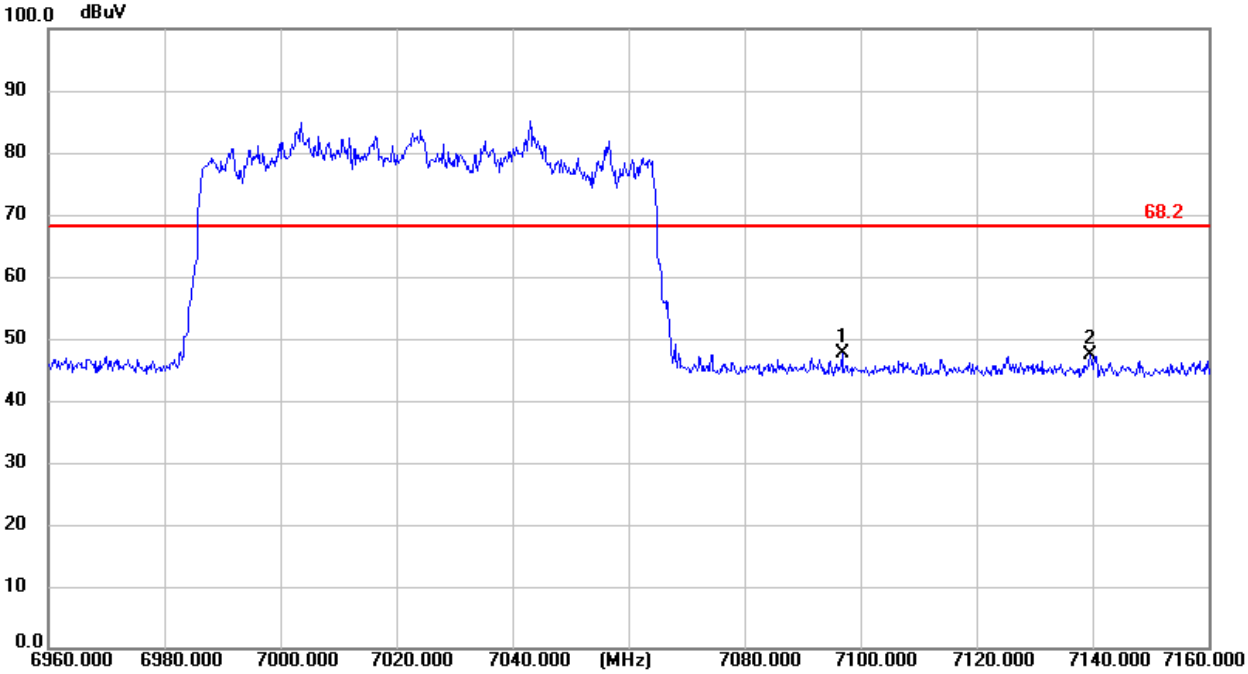
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 80

☒7025 Ant.Pol H

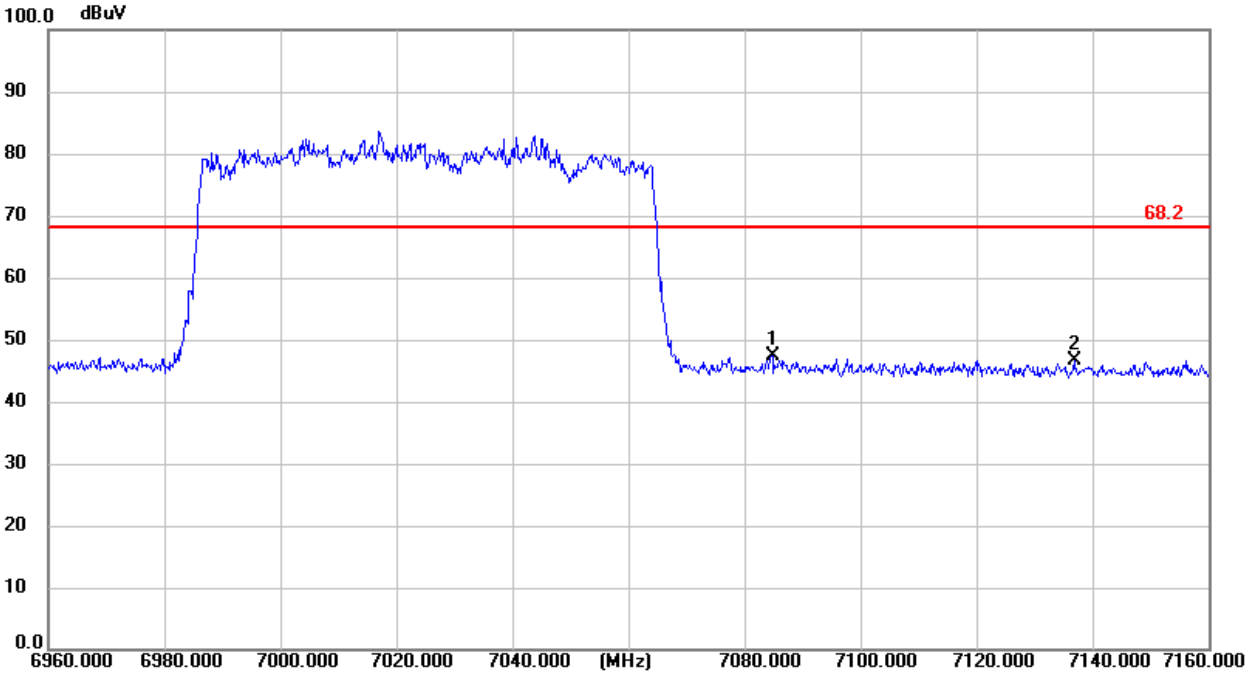


U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 80

☒7025 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 160 Frequency(MHz): 6985

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7151.40	V	47.98	68.20
7211.72	V	47.75	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
7091.08	H	48.79	68.20
7243.04	H	48.74	68.20

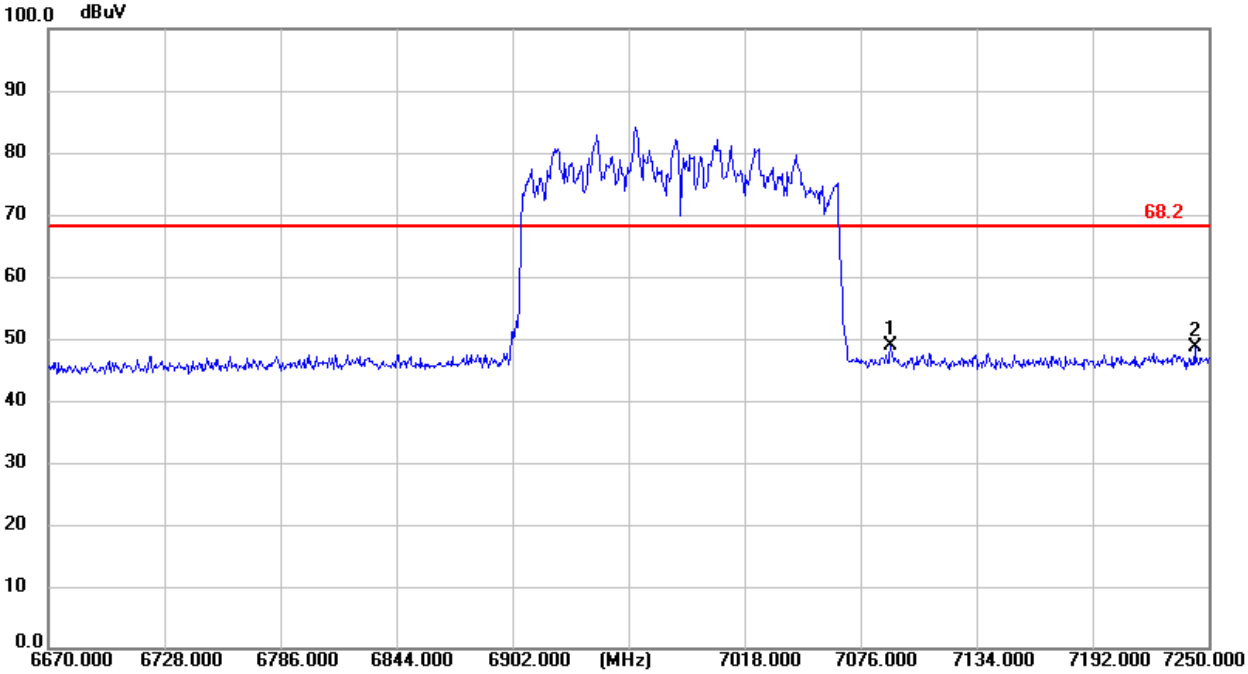
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).

U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 160

☒6985 Ant.Pol H

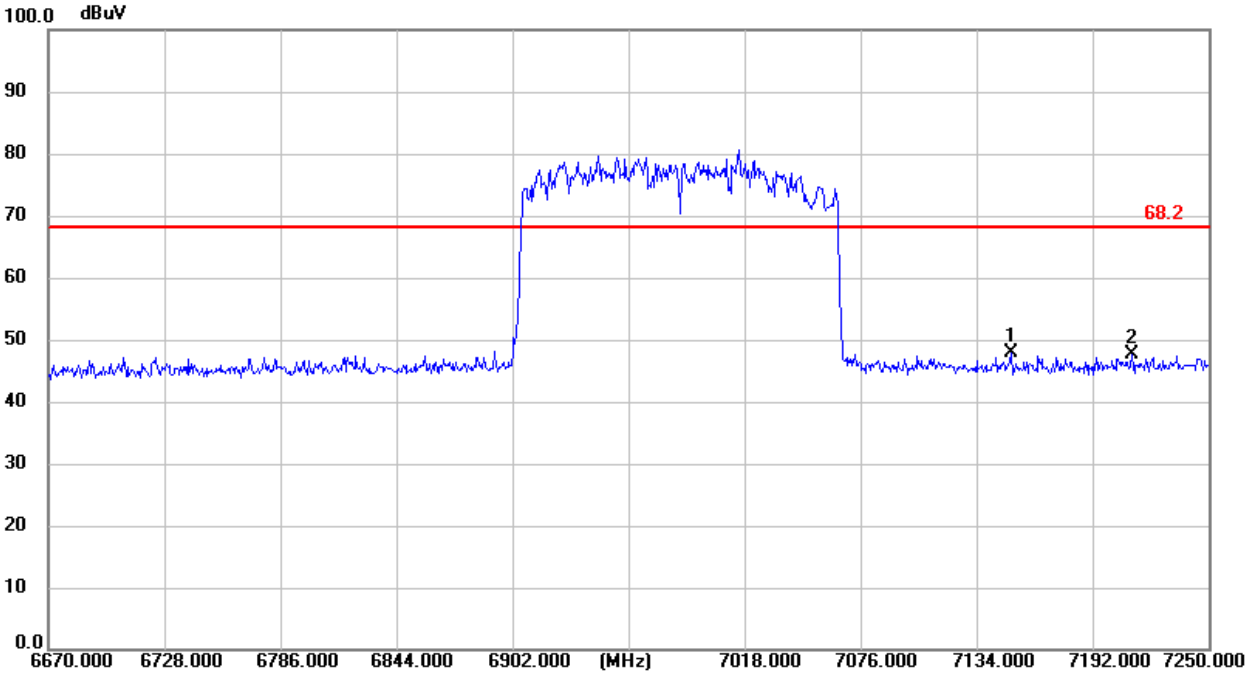


U-NII - 8

Test Model Undesirable radiated Spurious Emission in Restricted Band (6885-7115MHz)

☒802.11AX 160

☒6985 Ant.Pol V



Quectel Antenna (YF0023CA) :

- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 20 Frequency(MHz): 5955

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5863.25	V	44.82	68.20
5903.00	V	44.83	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5871.00	H	44.85	68.20
5904.12	H	44.42	68.20

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L – Preamp
(4)Test Mode is MIMO Mode (4T4R).

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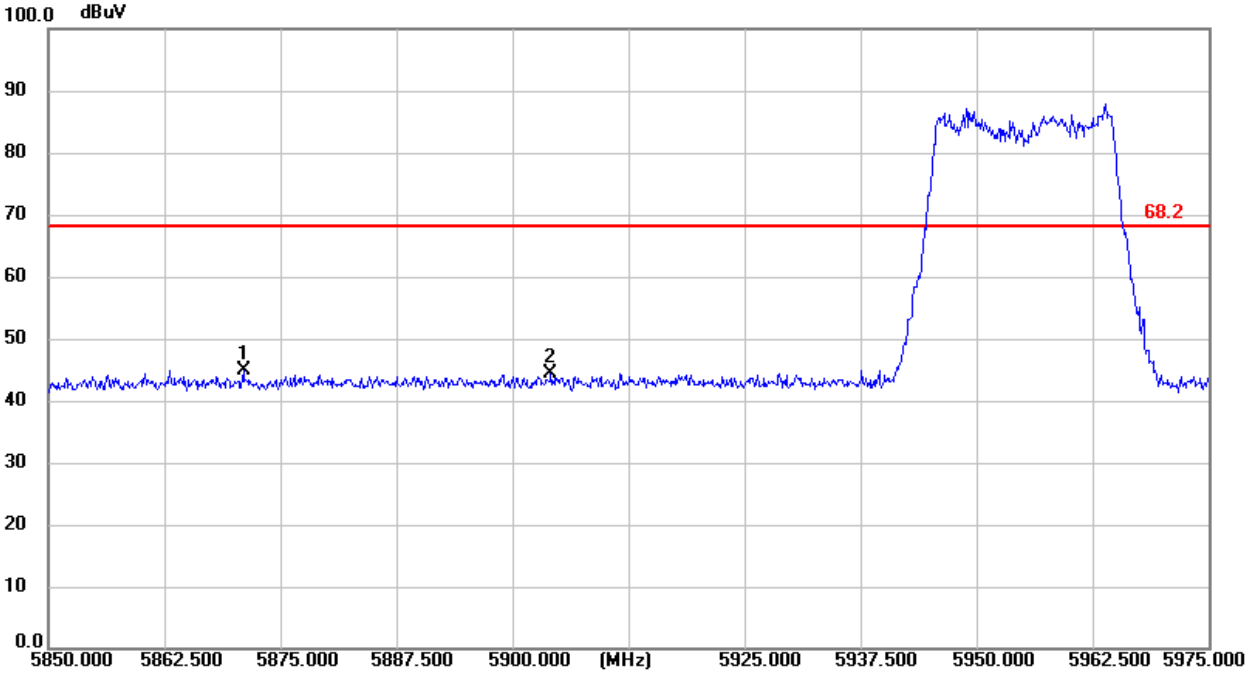
Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 20

☒5955 Ant.Pol H



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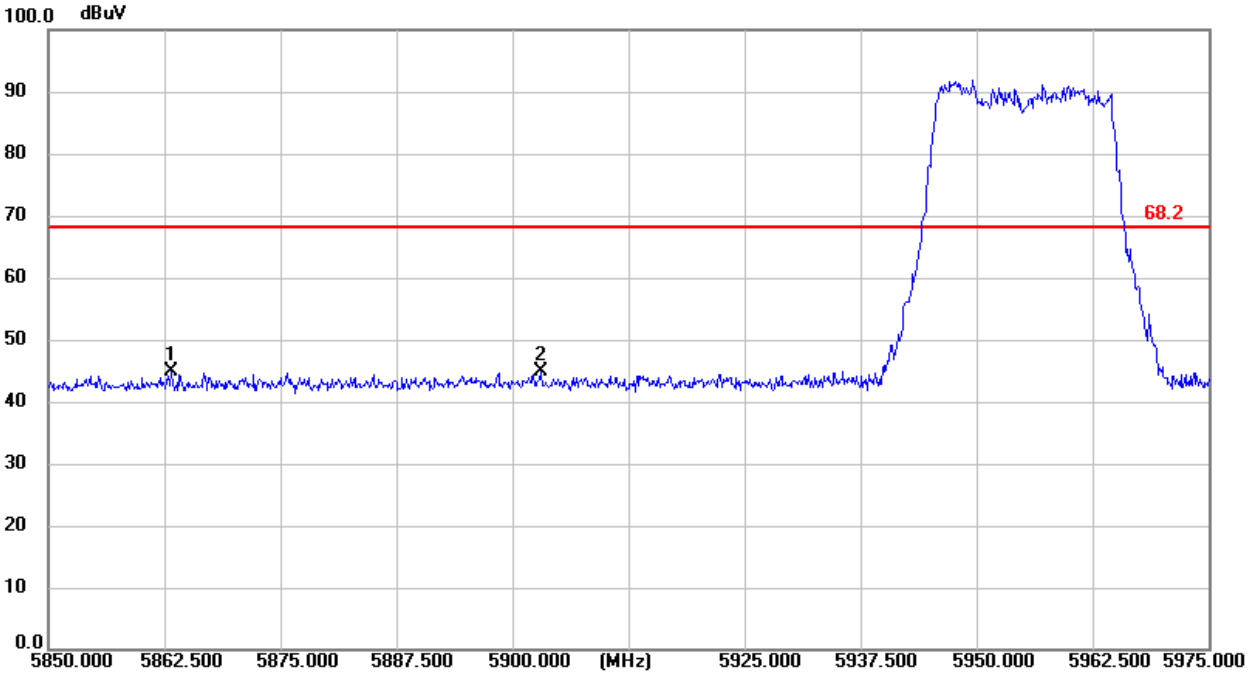
Test Model Undesirable radiated Spurious Emission in Restricted Band (5925-6425MHz)

☒802.11AX 20

☒5955 Ant.Pol V



- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

Test mode: 802.11AX 40 Frequency(MHz): 5965

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5907.60	V	45.84	68.20
5930.85	V	45.74	68.20

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5877.15	H	44.53	68.20
5935.80	H	44.70	68.20

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp
(4)Test Mode is MIMO Mode (4T4R).