



RF TEST REPORT

Product Name: CORNMI HEAD MOUNTED DISPLAY

Model Name: NeoVista X7 Pro, X7 Lite, X7

FCC ID: 2BNAD-X7PRO

Issued For : Kemi Intelligent Manufacturing (Shenzhen) Co., Ltd.

4F, Block A, 88 Fukang Rd, Longgang Dist, Shenzhen, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Zhenxiong Industrial Park,
No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan
District, Shenzhen, Guangdong, China

Report Number: TR_LGT24J016RF11

Sample Received Date: Dec. 06, 2024

Date of Test: Dec. 06, 2024 - Jan. 07, 2025

Date of Issue: Jan. 07, 2025

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TEST REPORT CERTIFICATION

Applicant: Kemi Intelligent Manufacturing (Shenzhen) Co., Ltd.
Address: 4F, Block A, 88 Fukang Rd, Longgang Dist, Shenzhen, China
Manufacturer: Kemi Intelligent Manufacturing (Shenzhen) Co., Ltd.
Address: 4F, Block A, 88 Fukang Rd, Longgang Dist, Shenzhen, China
Product Name: CORNMI HEAD MOUNTED DISPLAY
Trademark: N/A
Model Name: NeoVista X7 Pro
X7 Lite, X7
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part 15.407, Subpart E ANSI C63.10-2013	PASS

Prepared by:

Zane Shan

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Engineer

Approved by:

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Vita Li
Technical Director





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Revision History

Rev.	Issue Date	Contents
00	Jan. 07, 2025	Initial Issue



1.. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

Part 15.407,KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

FCC Part 15.407		
FCC standard	Test Item	Results
15.207	AC Conducted Emission	PASS
15.407 (a) /15.407 (e)	26dB/6dB &99% Bandwidth	PASS
15.407(a)	Maximum Conducted Output Power	PASS
15.407(b)/15.205/15.209	Radiated Emission And (bandedge Emissions) Measurement	PASS
15.407(a)	Power Spectral Density	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
15.203/15.204	Antenna Requirement	PASS

NOTE:

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

(2) All tests are according to ANSI C63.10-2013.



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Registration number:	746540
Accreditation Certificate:	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.80\text{dB}$
9	Bandwidth	$\pm 10.40\text{KHz}$
10	PSD	$\pm 1.5734\text{dB}$

Note: The measurement uncertainty is not included in the test result.



2.. GENERAL INFORMATION

2.1. GENERAL DESCRIPTION OF THE EUT

Product Name:	CORNMI HEAD MOUNTED DISPLAY																	
Trademark:	N/A																	
Model Name:	NeoVista X7 Pro																	
Series Model:	X7 Lite, X7																	
Model Difference:	All models are same as the samples except model name and appearance color, they have the same structure and circuit.																	
Product Description:	<table><tr><td rowspan="5">Operation Frequency:</td><td>IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ac/ax(VHT40): 5.190GHz-5.230GHz IEEE 802.11ac/ax(VHT80): 5.210GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ac/ax(VHT40): 5.270GHz-5.310GHz IEEE 802.11ac/ax(VHT80): 5.290GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ac/ax(VHT40): 5.510GHz-5.670GHz IEEE 802.11ac/ax(VHT80): 5.530GHz-5.610GHz</td></tr><tr><td>IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac/ax(VHT40): 5.755GHz-5.795GHz IEEE 802.11ac/ax(VHT80): 5.775GHz</td></tr><tr><td></td></tr><tr><td>Modulation Type:</td><td colspan="2">802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac/ax(OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM</td></tr><tr><td>Antenna Designation:</td><td colspan="2">Internal Antenna</td></tr><tr><td>Antenna Gain(dBi)</td><td colspan="2">3.49dBi The MIMO mode only support Internal Antenna1 and Internal Antenna2 the 802.11g/n/ac/ax mode, the Directional Gain=3.49dBi+10log(2)=6.5dBi.</td></tr></table> More details of EUT technical specification, please refer to the User Manual.			Operation Frequency:	IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ac/ax(VHT40): 5.190GHz-5.230GHz IEEE 802.11ac/ax(VHT80): 5.210GHz	IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ac/ax(VHT40): 5.270GHz-5.310GHz IEEE 802.11ac/ax(VHT80): 5.290GHz	IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ac/ax(VHT40): 5.510GHz-5.670GHz IEEE 802.11ac/ax(VHT80): 5.530GHz-5.610GHz	IEEE 802.11a/n(HT20)/ac/ax(VHT20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac/ax(VHT40): 5.755GHz-5.795GHz IEEE 802.11ac/ax(VHT80): 5.775GHz		Modulation Type:	802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac/ax(OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM		Antenna Designation:	Internal Antenna		Antenna Gain(dBi)	3.49dBi The MIMO mode only support Internal Antenna1 and Internal Antenna2 the 802.11g/n/ac/ax mode, the Directional Gain=3.49dBi+10log(2)=6.5dBi.	
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Test Channel:	Please refer to the Note 3.																	
Battery:	DC 5V from adapter DC 3.65V from battery																	
Hardware Version:	HV01																	
Software Version:	SV01																	
Connecting I/O Port(s):	Please refer to the Note 1.																	



Note

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. The antenna information refers to the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.

Operation Frequency of channel			
5.180GHz-5.240GHz		5.260GHz-5.320GHz	
Channel	Frequency	Channel	Frequency
36	5180	52	5260
38	5190	54	5270
40	5200	56	5280
42	5210	58	5290
44	5220	60	5300
46	5230	62	5310
48	5240	64	5320
5.500GHz-5.720GHz		5.745GHz-5.825GHz	
Channel	Frequency	Channel	Frequency
100	5500	149	5745
102	5510	151	5755
104	5520	153	5765
108	5540	157	5785
110	5550	159	5795
112	5560	161	5805
116	5580	165	5825
118	5590		
120	5600		
124	5620		
126	5630		
128	5640		
132	5660		
134	5670		
136	5680		
140	5700		
142	5710		
144	5720		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel

Channel List for 802.11a/n/ac/ax(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	60	5300	116	5580	157	5785
48	5240	64	5320	140	5700	165	5825



Channel List for 802.11n/ac/ax(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
134	5670						

Channel List for 802.11ac/ax (80MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
122	5610						



2.2. DESCRIPTION OF TEST MODES

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

No.	Test Modes	Description
Mode 1	802.11a mode	Keep the EUT connect to DC mains line and works in continuously transmitting mode with 802.11a modulation type.
Mode 2	802.11n mode	Keep the EUT connect to DC mains line and works in continuously transmitting mode with 802.11n modulation type.
Mode 3	802.11ac mode	Keep the EUT connect to DC mains line and works in continuously transmitting mode with 802.11ac modulation type.
Mode 4	802.11ax mode	Keep the EUT connect to DC mains line and works in continuously transmitting mode with 802.11ax modulation type.
Mode 5	Normal Operating	Keep the EUT works in normal operating mode and connect to companion device
Mode 6	MIMO Mode	The product supports only 802.11n/ac/ax mode.

Note: (1) The measurements are performed at the highest, middle, lowest available channels.
(2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
(3) We have been tested for all available U.S. voltage and frequencies (For 120V, 50/60Hz and 240V, 50/60Hz) for which the device is capable of operation.
(4) The battery is fully-charged during the radiated and RF conducted test.



2.3 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 5G WIFI B1	
Engineering Mode	Mode Or Modulation type	Power setting
	a	17
	n20	17
	n40	17
	ac20	17
	ac40	17
	ac80	17
	ax20	17
	ax40	17
	ax80	17
Test software Version	Test program: 5G WIFI B2	
Engineering Mode	Mode Or Modulation type	Power setting
	a	17
	n20	17
	n40	17
	ac20	17
	ac40	17
	ac80	17
	ax20	17
	ax40	17
	ax80	17
Test software Version	Test program: 5G WIFI B3	
Engineering Mode	Mode Or Modulation type	Power setting
	a	17
	n20	17
	n40	17
	ac20	17
	ac40	17
	ac80	17
	ax20	17
	ax40	17
	ax80	17
Test software Version	Test program: 5G WIFI B4	
Engineering Mode	Mode Or Modulation type	Power setting
	a	15
	n20	15
	n40	15
	ac20	15
	ac40	15
	ac80	15
	ax20	15
	ax40	15
	ax80	15



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
Adapter	SHENZHNE FUJIA APPLIANCE CO., LTD	FJ- SW1260502000 UN	N/A	Input: 100-240V ~ 50/60Hz 0.4A Output: 5V, 2A
USB-A to USB-C Cable	N/A	N/A	N/A	0.8m, shielded, without ferrite core
Charging base	N/A	YD5PUSBA-A5	N/A	N/A

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2024.04.13	2025.04.12
LISN	COM-POWER	LI-115	02032	2024.04.07	2025.04.06
LISN	SCHWARZBECK	NNLK 8122	00160	2024.04.07	2025.04.06
Transient Limiter	CYBERTEK	EM5010A	E225010004 9	2024.04.07	2025.04.06
Temperature & Humidity	KTJ	TA218B	N.A	2024.04.24	2025.04.23
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2024.04.13	2025.04.12
Active loop Antenna	ETS	6502	00049544	2022.06.02	2025.06.01
Spectrum Analyzer	Keysight	N9010B	MY60242508	2024.04.10	2025.04.09
Bilog Antenna(30M-1G)	SCHWARZBECK	VULB 9168	2705	2022.06.05	2025.06.04
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2022.06.02	2025.06.01
Horn Antenna(18-40G)	A-INFO	LB-180400-KF	J211060273	2022.06.08	2025.06.07
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2024.04.07	2025.04.06
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2024.04.07	2025.04.06
Pre-amplifier(18-40G)	com-mw	LNPA_18-40- 01	18050003	2024.04.07	2025.04.06
Wireless Communications Test Set	R&S	CMW 500	137737	2024.04.13	2025.04.12
Temperature & Humidity	KTJ	TA218B	N.A	2024.04.24	2025.04.23
Testing Software	EMC-I_V1.4.0.3_SKET				

Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2024.04.10	2025.04.09
Wireless Communications Test Set	R&S	CMW 500	137737	2024.04.13	2025.04.12
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2024.04.07	2025.04.06
Power Sensor	MW	MW100-RFCB	MW220324L G-33	2024.04.13	2025.04.12
Temperature & Humidity	KTJ	TA218B	N.A	2024.04.24	2025.04.23
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2024.04.10	2025.04.09
Attenuator	eastsheep	90db	N.A	2024.04.10	2025.04.09
Testing Software	MTS8200_V2.0.0.0_MW				



3.. EMC EMISSION TEST

3.1. CONDUCTED EMISSION MEASUREMENT

3.1.1. POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

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

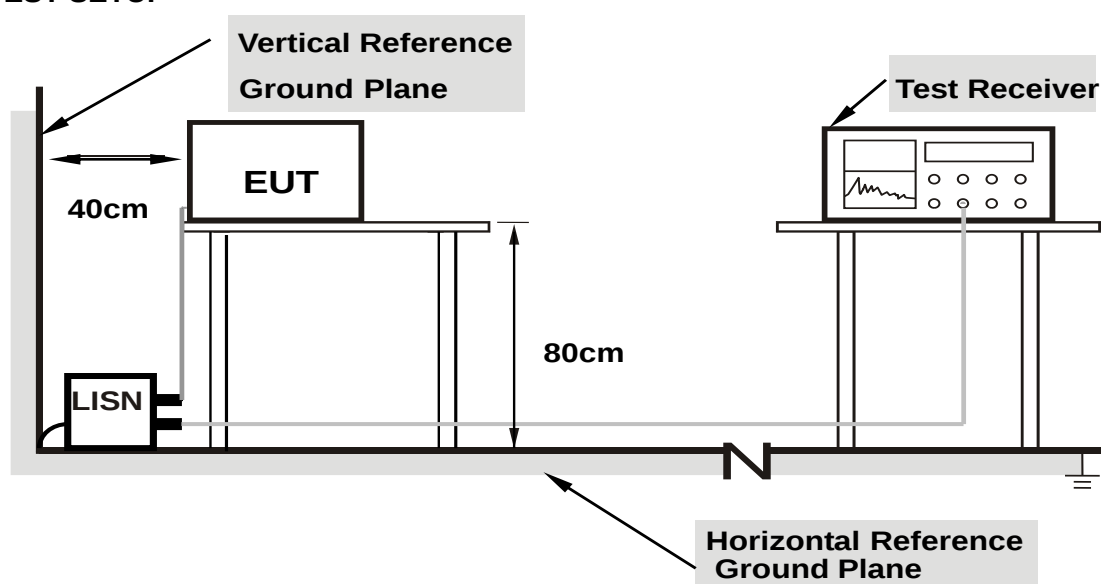
3.1.2. TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3. DEVIATION FROM TEST STANDARD

No deviation

3.1.4. TEST SETUP



- Note:**
- Support units were connected to second LISN.
 - Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

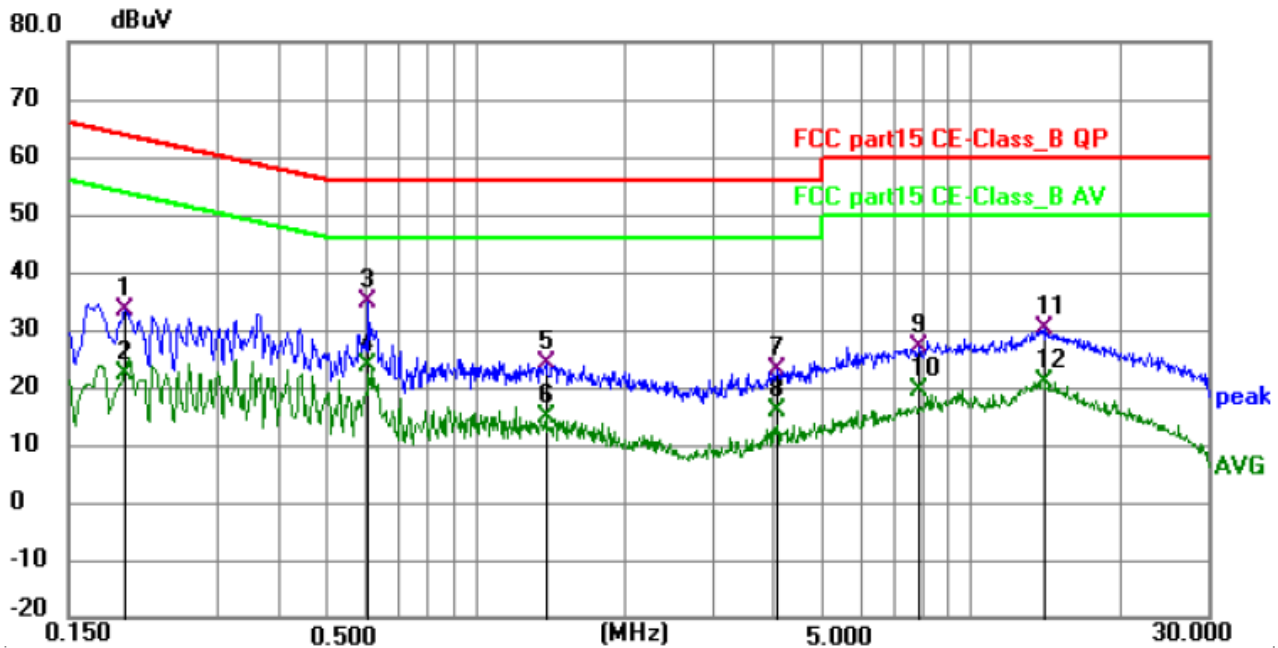
3.1.5. EUT OPERATING CONDITIONS

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.



3.1.6. TEST RESULTS

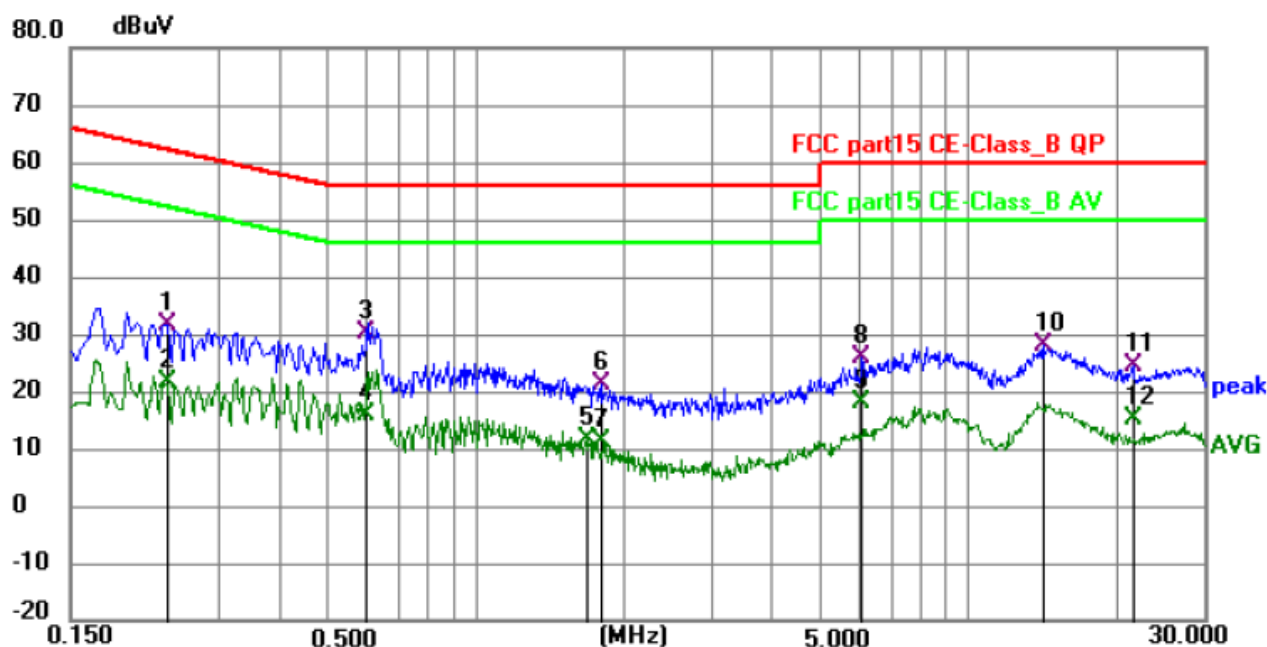
Project: LGT24J048	Test Engineer: LiuH
EUT: NeoVista X7 Pro	Temperature: 25.4°C
M/N: NeoVista X7 Pro	Humidity: 45%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-12-07
Test Mode: Mode 5	
Note:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1949	23.14	10.08	33.22	63.83	-30.61	QP	P	
2	0.1949	12.39	10.08	22.47	53.83	-31.36	AVG	P	
3 *	0.6045	24.70	10.14	34.84	56.00	-21.16	QP	P	
4	0.6045	13.59	10.14	23.73	46.00	-22.27	AVG	P	
5	1.3875	14.19	10.05	24.24	56.00	-31.76	QP	P	
6	1.3875	4.91	10.05	14.96	46.00	-31.04	AVG	P	
7	4.0470	12.70	10.21	22.91	56.00	-33.09	QP	P	
8	4.0470	5.84	10.21	16.05	46.00	-29.95	AVG	P	
9	7.8810	15.94	10.92	26.86	60.00	-33.14	QP	P	
10	7.8810	8.53	10.92	19.45	50.00	-30.55	AVG	P	
11	14.0010	18.43	11.59	30.02	60.00	-29.98	QP	P	
12	14.0010	9.43	11.59	21.02	50.00	-28.98	AVG	P	



Project: LGT24J048	Test Engineer: LiuH
EUT: NeoVista X7 Pro	Temperature: 25.4°C
M/N: NeoVista X7 Pro	Humidity: 45%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-12-07
Test Mode: Mode 5	
Note:	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2355	21.56	10.19	31.75	62.25	-30.50	QP	P	
2	0.2355	11.46	10.19	21.65	52.25	-30.60	AVG	P	
3 *	0.6000	20.04	10.17	30.21	56.00	-25.79	QP	P	
4	0.6000	5.61	10.17	15.78	46.00	-30.22	AVG	P	
5	1.6845	1.46	10.07	11.53	46.00	-34.47	AVG	P	
6	1.7970	11.13	10.06	21.19	56.00	-34.81	QP	P	
7	1.7970	1.08	10.06	11.14	46.00	-34.86	AVG	P	
8	6.0630	15.43	10.53	25.96	60.00	-34.04	QP	P	
9	6.0630	7.35	10.53	17.88	50.00	-32.12	AVG	P	
10	14.1945	16.47	11.52	27.99	60.00	-32.01	QP	P	
11	21.5069	12.20	12.10	24.30	60.00	-35.70	QP	P	
12	21.5069	3.13	12.10	15.23	50.00	-34.77	AVG	P	



3.2. RADIATED EMISSION AND (BANDEGE) MEASUREMENT

3.2.1. RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

In case the emission fall within the restricted band specified on 15.407(b)7&15.205/209(a), then the limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	68.2	54

Notes:

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

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	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	Above 38.6
13.36-13.41			

Note: In case the emission radiated emission above 1000MHz fall within the restricted band the restricted frequency bands, the peak limit is 74 dBuV/m.



LIMITS OF EMISSIONS OUTSIDE OF THE FREQUENCY BANDS

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

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
 - (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note: $\text{dBuV/m(at 3M)} = \text{EIRP(dBm)} + 95.2$.

Peak Limit = $-27\text{dBm/MHz} + 95.2 = 68.2 \text{ dBuV/m}$.

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier harmonic (Peak/AV)
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	1 MHz / 1 MHz, AV=1 MHz /3 MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- 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 QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

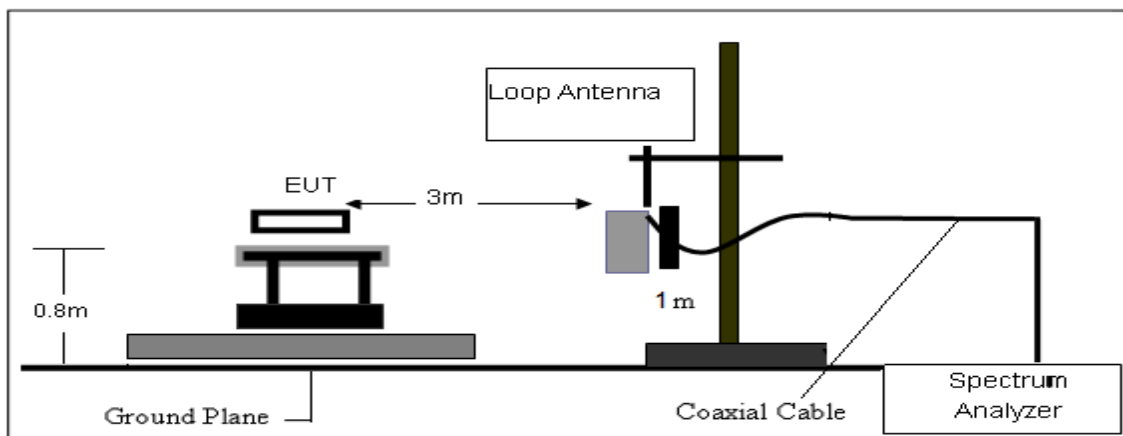
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.2. DEVIATION FROM TEST STANDARD

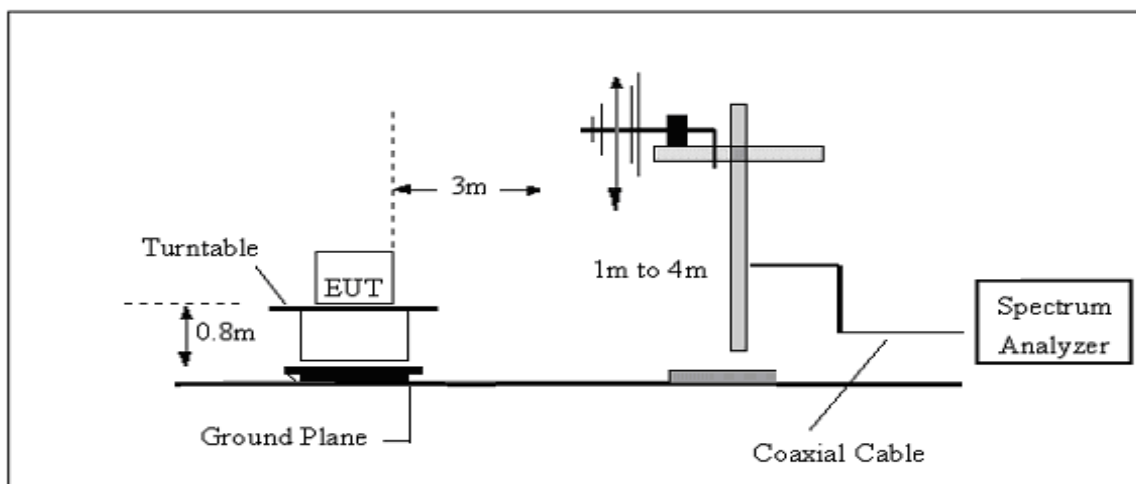
No deviation

3.2.3. TEST SETUP

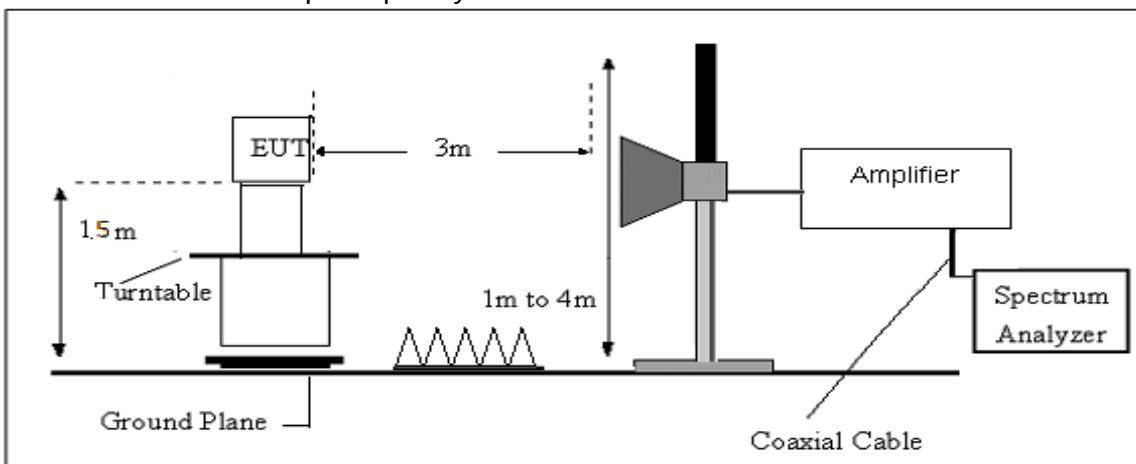
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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





3.2.4 EUT OPERATING CONDITIONS

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

3.2.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency (MHz)	FS (dBμV/m)	RA (dBμV/m)	AF (dB)	CL (dB)	AG (dB)	Factor (dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$



3.2.6 TEST RESULTS

Results of Radiated Emissions (9 KHz~30MHz)

No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Remark
1*	-	-	-	-	-	-	-	See Note

Note:

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and the permissible value has no need to be reported.

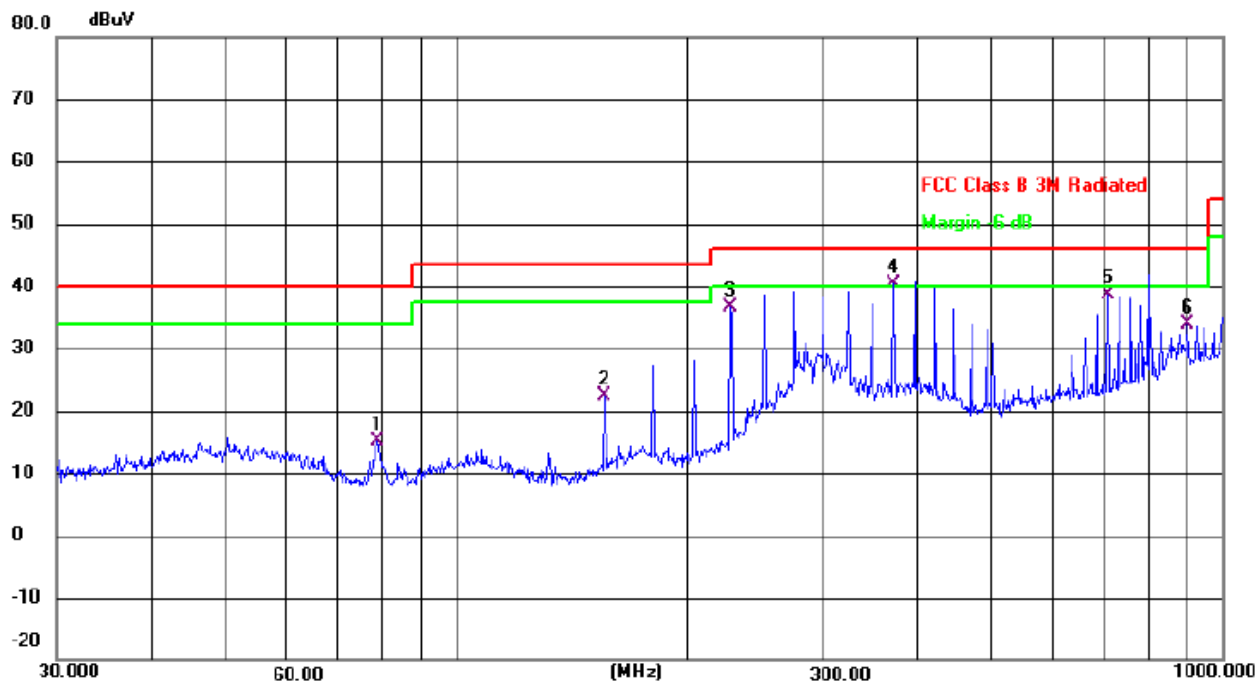
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

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



Results of Radiated Emissions (30MHz~1000MHz)

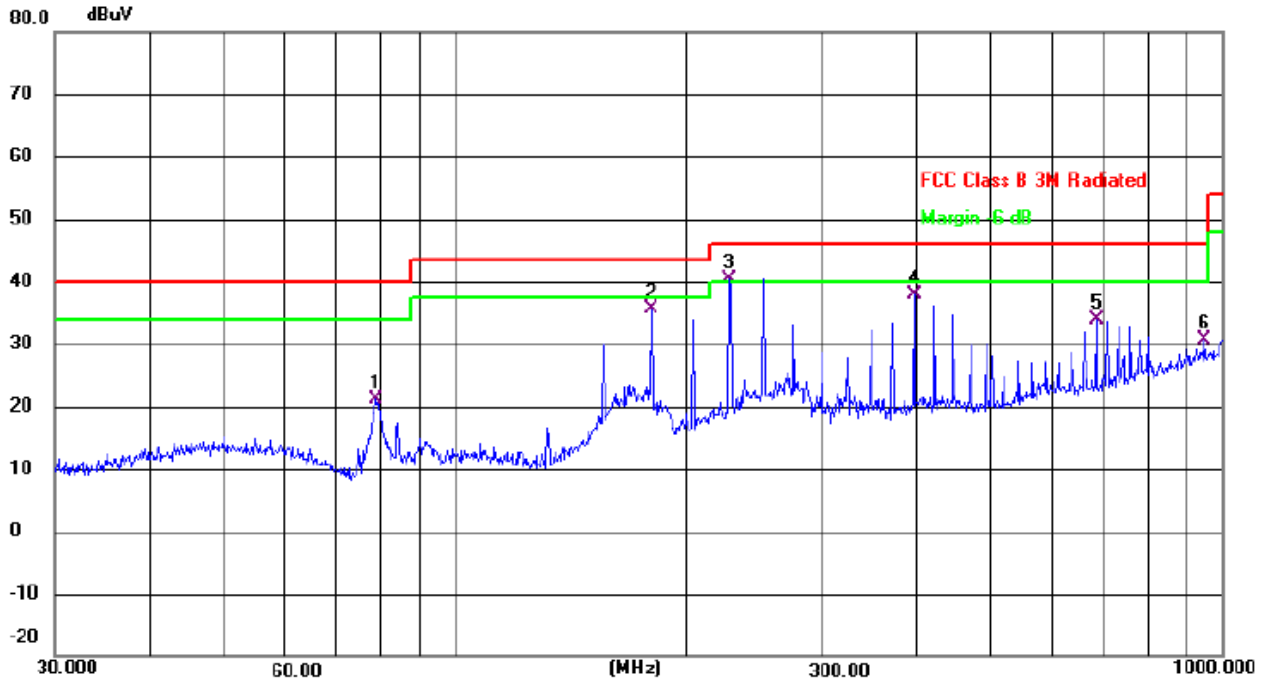
Project: LGT24J048	Test Engineer: Xiangdong Ma
EUT: NeoVista X7 Pro	Temperature: 28.2°C
M/N: NeoVista X7 Pro	Humidity: 61%RH
Test Voltage: Battery	Test Data: 2024-12-07
Test Mode: Mode 6	
Polar: Hor	



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dB	Margin dB	Detector
1		78.6888	34.09	-18.97	15.12	40.00	-24.88	QP
2		155.9101	40.56	-18.11	22.45	43.50	-21.05	QP
3		227.6906	50.65	-13.97	36.68	46.00	-9.32	QP
4	*	372.0045	50.64	-10.36	40.28	46.00	-5.72	QP
5		709.1823	42.81	-4.10	38.71	46.00	-7.29	QP
6		900.1474	34.64	-0.67	33.97	46.00	-12.03	QP



Project: LGT24J048	Test Engineer: Xiangdong Ma
EUT: NeoVista X7 Pro	Temperature: 28.2°C
M/N: NeoVista X7 Pro	Humidity: 61%RH
Test Voltage: Battery	Test Data: 2024-12-07
Test Mode: Mode 6	
Polar: Ver	



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV	dB	dB	Detector
1		78.6888	40.11	-18.97	21.14	40.00	-18.86	QP
2		180.0165	51.71	-16.18	35.53	43.50	-7.97	QP
3	*	227.6906	54.37	-13.97	40.40	46.00	-5.60	QP
4		396.2415	47.58	-9.72	37.86	46.00	-8.14	QP
5		684.7454	38.42	-4.52	33.90	46.00	-12.10	QP
6		948.7610	30.80	-0.27	30.53	46.00	-15.47	QP



Results of Radiated Emissions (Above 1000MHz)

Band 1

802.11a

We test all antenna's data, the data only show the antenna1 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	10360	56.13	49.05	15.3	37.39	59.77	74	-14.23	PK
V	10360	41.87	49.05	15.3	37.39	45.51	54	-8.49	AV
V	15540	56.39	49.16	15.27	40.45	62.95	74	-11.05	PK
V	15540	39.15	49.16	15.27	40.45	45.71	54	-8.29	AV
H	10360	56.59	49.05	15.3	37.39	60.23	74	-13.77	PK
H	10360	40.45	49.05	15.3	37.39	44.09	54	-9.91	AV
H	15540	59.22	49.16	15.27	40.45	65.78	74	-8.22	PK
H	15540	38.23	49.16	15.27	40.45	44.79	54	-9.21	AV
operation frequency:5200									
V	10400	57.52	49.09	15.34	37.42	61.19	74	-12.81	PK
V	10400	39.96	49.09	15.34	37.42	43.63	54	-10.37	AV
V	15600	59.84	49.18	15.29	40.47	66.42	74	-7.58	PK
V	15600	38.43	49.18	15.29	40.47	45.01	54	-8.99	AV
H	10400	56.87	49.09	15.34	37.42	60.54	74	-13.46	PK
H	10400	39.86	49.09	15.34	37.42	43.53	54	-10.47	AV
H	15600	59.94	49.18	15.29	40.47	66.52	74	-7.48	PK
H	15600	38.49	49.18	15.29	40.47	45.07	54	-8.93	AV
operation frequency:5240									
V	10480	58.52	49.11	15.37	37.46	62.24	74	-11.76	PK
V	10480	39.33	49.11	15.37	37.46	43.05	54	-10.95	AV
V	15720	59.54	49.21	15.34	40.51	66.18	74	-7.82	PK
V	15720	38.23	49.21	15.34	40.51	44.87	54	-9.13	AV
H	10480	57.18	49.11	15.37	31.31	54.75	74	-19.25	PK
H	10480	45.39	49.11	15.37	31.31	42.96	54	-11.04	AV
H	15720	57.45	49.21	15.34	40.51	64.09	74	-9.91	PK
H	15720	37.14	49.21	15.34	40.51	43.78	54	-10.22	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11n HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	10360	56.63	49.05	15.3	37.39	60.27	74	-13.73	PK
V	10360	38.52	49.05	15.3	37.39	42.16	54	-11.84	AV
V	15540	56.63	49.16	15.27	40.45	63.19	74	-10.81	PK
V	15540	38.87	49.16	15.27	40.45	45.43	54	-8.57	AV
H	10360	56.25	49.05	15.3	37.39	59.89	74	-14.11	PK
H	10360	39.63	49.05	15.3	37.39	43.27	54	-10.73	AV
H	15540	54.96	49.16	15.27	40.45	61.52	74	-12.48	PK
H	15540	38.64	49.16	15.27	40.45	45.2	54	-8.80	AV
operation frequency:5200									
V	10400	56.36	49.09	15.34	37.42	60.03	74	-13.97	PK
V	10400	39.52	49.09	15.34	37.42	43.19	54	-10.81	AV
V	15600	55.63	49.18	15.29	40.47	62.21	74	-11.79	PK
V	15600	38.47	49.18	15.29	40.47	45.05	54	-8.95	AV
H	10400	55.55	49.09	15.34	37.42	59.22	74	-14.78	PK
H	10400	40.66	49.09	15.34	37.42	44.33	54	-9.67	AV
H	15600	55.38	49.18	15.29	40.47	61.96	74	-12.04	PK
H	15600	39.96	49.18	15.29	40.47	46.54	54	-7.46	AV
operation frequency:5240									
V	10480	57.85	49.11	15.37	37.46	61.57	74	-12.43	PK
V	10480	40.23	49.11	15.37	37.46	43.95	54	-10.05	AV
V	15720	54.52	49.21	15.34	40.51	61.16	74	-12.84	PK
V	15720	38.23	49.21	15.34	40.51	44.87	54	-9.13	AV
H	10480	57.85	49.11	15.37	31.31	55.42	74	-18.58	PK
H	10480	44.56	49.11	15.37	31.31	42.13	54	-11.87	AV
H	15720	55.65	49.21	15.34	40.51	62.29	74	-11.71	PK
H	15720	39.13	49.21	15.34	40.51	45.77	54	-8.23	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11n HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5190									
V	10380	56.94	49.07	15.33	37.41	60.61	74	-13.39	PK
V	10380	39.33	49.07	15.33	37.41	43	54	-11.00	AV
V	15570	56.88	49.17	15.28	40.46	63.45	74	-10.55	PK
V	15570	38.33	49.17	15.28	40.46	44.9	54	-9.10	AV
H	10380	56.44	49.07	15.33	37.41	60.11	74	-13.89	PK
H	10380	40.16	49.07	15.33	37.41	43.83	54	-10.17	AV
H	15570	54.85	49.17	15.28	40.46	61.42	74	-12.58	PK
H	15570	38.63	49.17	15.28	40.46	45.2	54	-8.80	AV
operation frequency:5230									
V	10460	57.41	49.11	15.37	37.46	61.13	74	-12.87	PK
V	10460	39.23	49.11	15.37	37.46	42.95	54	-11.05	AV
V	15690	54.38	49.21	15.34	40.51	61.02	74	-12.98	PK
V	15690	38.36	49.21	15.34	40.51	45	54	-9.00	AV
H	10460	57.64	49.11	15.37	31.31	55.21	74	-18.79	PK
H	10460	44.37	49.11	15.37	31.31	41.94	54	-12.06	AV
H	15690	55.83	49.21	15.34	40.51	62.47	74	-11.53	PK
H	15690	39.19	49.21	15.34	40.51	45.83	54	-8.17	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	10360	56.11	49.05	15.3	37.39	59.75	74	-14.25	PK
V	10360	39.99	49.05	15.3	37.39	43.63	54	-10.37	AV
V	15540	56.52	49.16	15.27	40.45	63.08	74	-10.92	PK
V	15540	38.36	49.16	15.27	40.45	44.92	54	-9.08	AV
H	10360	56.27	49.05	15.3	37.39	59.91	74	-14.09	PK
H	10360	38.34	49.05	15.3	37.39	41.98	54	-12.02	AV
H	15540	54.63	49.16	15.27	40.45	61.19	74	-12.81	PK
H	15540	39.88	49.16	15.27	40.45	46.44	54	-7.56	AV
operation frequency:5200									
V	10400	56.63	49.09	15.34	37.42	60.3	74	-13.70	PK
V	10400	41.24	49.09	15.34	37.42	44.91	54	-9.09	AV
V	15600	55.25	49.18	15.29	40.47	61.83	74	-12.17	PK
V	15600	40.89	49.18	15.29	40.47	47.47	54	-6.53	AV
H	10400	55.94	49.09	15.34	37.42	59.61	74	-14.39	PK
H	10400	40.53	49.09	15.34	37.42	44.2	54	-9.80	AV
H	15600	55.87	49.18	15.29	40.47	62.45	74	-11.55	PK
H	15600	41.26	49.18	15.29	40.47	47.84	54	-6.16	AV
operation frequency:5240									
V	10480	57.34	49.11	15.37	37.46	61.06	74	-12.94	PK
V	10480	40.85	49.11	15.37	37.46	44.57	54	-9.43	AV
V	15720	54.93	49.21	15.34	40.51	61.57	74	-12.43	PK
V	15720	39.87	49.21	15.34	40.51	46.51	54	-7.49	AV
H	10480	57.36	49.11	15.37	31.31	54.93	74	-19.07	PK
H	10480	44.94	49.11	15.37	31.31	42.51	54	-11.49	AV
H	15720	55.63	49.21	15.34	40.51	62.27	74	-11.73	PK
H	15720	40.69	49.21	15.34	40.51	47.33	54	-6.67	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	10360	56.11	49.05	15.3	37.39	59.75	74	-14.25	PK
V	10360	39.99	49.05	15.3	37.39	43.63	54	-10.37	AV
V	15540	56.52	49.16	15.27	40.45	63.08	74	-10.92	PK
V	15540	38.36	49.16	15.27	40.45	44.92	54	-9.08	AV
H	10360	56.27	49.05	15.3	37.39	59.91	74	-14.09	PK
H	10360	38.34	49.05	15.3	37.39	41.98	54	-12.02	AV
H	15540	54.63	49.16	15.27	40.45	61.19	74	-12.81	PK
H	15540	39.88	49.16	15.27	40.45	46.44	54	-7.56	AV
operation frequency:5200									
V	10400	56.63	49.09	15.34	37.42	60.3	74	-13.70	PK
V	10400	41.24	49.09	15.34	37.42	44.91	54	-9.09	AV
V	15600	55.25	49.18	15.29	40.47	61.83	74	-12.17	PK
V	15600	40.89	49.18	15.29	40.47	47.47	54	-6.53	AV
H	10400	55.94	49.09	15.34	37.42	59.61	74	-14.39	PK
H	10400	40.53	49.09	15.34	37.42	44.2	54	-9.80	AV
H	15600	55.87	49.18	15.29	40.47	62.45	74	-11.55	PK
H	15600	41.26	49.18	15.29	40.47	47.84	54	-6.16	AV
operation frequency:5240									
V	10480	57.34	49.11	15.37	37.46	61.06	74	-12.94	PK
V	10480	40.85	49.11	15.37	37.46	44.57	54	-9.43	AV
V	15720	54.93	49.21	15.34	40.51	61.57	74	-12.43	PK
V	15720	39.87	49.21	15.34	40.51	46.51	54	-7.49	AV
H	10480	57.36	49.11	15.37	31.31	54.93	74	-19.07	PK
H	10480	44.94	49.11	15.37	31.31	42.51	54	-11.49	AV
H	15720	55.63	49.21	15.34	40.51	62.27	74	-11.73	PK
H	15720	40.69	49.21	15.34	40.51	47.33	54	-6.67	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5190									
V	10380	56.34	49.07	15.33	37.41	60.01	74	-13.99	PK
V	10380	40.22	49.07	15.33	37.41	43.89	54	-10.11	AV
V	15570	56.69	49.17	15.28	40.46	63.26	74	-10.74	PK
V	15570	39.55	49.17	15.28	40.46	46.12	54	-7.88	AV
H	10380	56.19	49.07	15.33	37.41	59.86	74	-14.14	PK
H	10380	40.87	49.07	15.33	37.41	44.54	54	-9.46	AV
H	15570	54.23	49.17	15.28	40.46	60.8	74	-13.20	PK
H	15570	39.89	49.17	15.28	40.46	46.46	54	-7.54	AV
operation frequency:5230									
V	10460	57.83	49.11	15.37	37.46	61.55	74	-12.45	PK
V	10460	41.68	49.11	15.37	37.46	45.4	54	-8.60	AV
V	15690	54.96	49.21	15.34	40.51	61.6	74	-12.40	PK
V	15690	39.15	49.21	15.34	40.51	45.79	54	-8.21	AV
H	10460	57.93	49.11	15.37	31.31	55.5	74	-18.50	PK
H	10460	44.39	49.11	15.37	31.31	41.96	54	-12.04	AV
H	15690	55.34	49.21	15.34	40.51	61.98	74	-12.02	PK
H	15690	40.66	49.21	15.34	40.51	47.3	54	-6.70	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5190									
V	10380	56.34	49.07	15.33	37.41	60.01	74	-13.99	PK
V	10380	40.22	49.07	15.33	37.41	43.89	54	-10.11	AV
V	15570	56.69	49.17	15.28	40.46	63.26	74	-10.74	PK
V	15570	39.55	49.17	15.28	40.46	46.12	54	-7.88	AV
H	10380	56.19	49.07	15.33	37.41	59.86	74	-14.14	PK
H	10380	40.87	49.07	15.33	37.41	44.54	54	-9.46	AV
H	15570	54.23	49.17	15.28	40.46	60.8	74	-13.20	PK
H	15570	39.89	49.17	15.28	40.46	46.46	54	-7.54	AV
operation frequency:5230									
V	10460	57.83	49.11	15.37	37.46	61.55	74	-12.45	PK
V	10460	41.68	49.11	15.37	37.46	45.4	54	-8.60	AV
V	15690	54.96	49.21	15.34	40.51	61.6	74	-12.40	PK
V	15690	39.15	49.21	15.34	40.51	45.79	54	-8.21	AV
H	10460	57.93	49.11	15.37	31.31	55.5	74	-18.50	PK
H	10460	44.39	49.11	15.37	31.31	41.96	54	-12.04	AV
H	15690	55.34	49.21	15.34	40.51	61.98	74	-12.02	PK
H	15690	40.66	49.21	15.34	40.51	47.3	54	-6.70	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ac HT80

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5210									
V	10420	56.37	49.05	15.3	37.39	60.01	74	-13.99	PK
V	10420	41.63	49.05	15.3	37.39	45.27	54	-8.73	AV
V	15630	52.52	49.16	15.27	40.45	59.08	68.2	-9.12	PK
V	15630	39.14	49.16	15.27	40.45	45.7	54	-8.30	AV
H	10420	56.56	49.05	15.3	37.39	60.2	74	-13.80	PK
H	10420	40.28	49.05	15.3	37.39	43.92	54	-10.08	AV
H	15630	51.34	49.16	15.27	40.45	57.9	68.2	-10.30	PK
H	15630	38.98	49.16	15.27	40.45	45.54	54	-8.46	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT80

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5210									
V	10420	57.21	49.09	15.34	37.42	60.88	74	-13.12	PK
V	10420	39.43	49.09	15.34	37.42	43.1	54	-10.90	AV
V	15630	52.88	49.18	15.29	40.47	59.46	68.2	-8.74	PK
V	15630	38.63	49.18	15.29	40.47	45.21	54	-8.79	AV
H	10420	56.21	49.09	15.34	37.42	59.88	74	-14.12	PK
H	10420	39.87	49.09	15.34	37.42	43.54	54	-10.46	AV
H	15630	53.33	49.18	15.29	40.47	59.91	68.2	-8.29	PK
H	15630	38.52	49.18	15.29	40.47	45.1	54	-8.90	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



BAND 2

802.11a

We test all antenna's data, the data only show the antenna1 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5260									
V	10520	57.35	49.07	15.31	37.41	61	74	-13.00	PK
V	10520	46.14	49.07	15.31	37.41	49.79	54	-4.21	AV
V	15780	57.63	49.18	15.26	40.43	64.14	74	-9.86	PK
V	15780	43.54	49.18	15.26	40.43	50.05	54	-3.95	AV
H	10520	57.35	49.07	15.31	37.41	61	74	-13.00	PK
H	10520	46.51	49.07	15.31	37.41	50.16	54	-3.84	AV
H	15780	60.11	49.18	15.26	40.43	66.62	74	-7.38	PK
H	15780	43.34	49.18	15.26	40.43	49.85	54	-4.15	AV
operation frequency:5280									
V	10560	58.34	49.1	15.35	37.44	62.03	74	-11.97	PK
V	10560	46.52	49.1	15.35	37.44	50.21	54	-3.79	AV
V	15840	60.36	49.19	15.31	40.49	66.97	74	-7.03	PK
V	15840	43.14	49.19	15.31	40.49	49.75	54	-4.25	AV
H	10560	57.36	49.1	15.35	37.44	61.05	74	-12.95	PK
H	10560	46.52	49.1	15.35	37.44	50.21	54	-3.79	AV
H	15840	60.14	49.19	15.31	40.49	66.75	74	-7.25	PK
H	15840	43.52	49.19	15.31	40.49	50.13	54	-3.87	AV
operation frequency:5320									
V	10640	59.14	49.13	15.39	37.48	62.88	74	-11.12	PK
V	10640	46.36	49.13	15.39	37.48	50.1	54	-3.90	AV
V	15960	60.24	49.23	15.36	40.54	66.91	74	-7.09	PK
V	15960	44.13	49.23	15.36	40.54	50.8	54	-3.20	AV
H	10640	58.25	49.13	15.39	37.48	61.99	74	-12.01	PK
H	10640	46.64	49.13	15.39	37.48	50.38	54	-3.62	AV
H	15960	58.57	49.23	15.36	40.54	65.24	74	-8.76	PK
H	15960	43.33	49.23	15.36	40.54	50	54	-4.00	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11n HT20

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5260									
V	10520	57.14	49.07	15.31	37.41	60.79	74	-13.21	PK
V	10520	45.23	49.07	15.31	37.41	48.88	54	-5.12	AV
V	15780	56.51	49.18	15.26	40.43	63.02	74	-10.98	PK
V	15780	43.36	49.18	15.26	40.43	49.87	54	-4.13	AV
H	10520	56.41	49.07	15.31	37.41	60.06	74	-13.94	PK
H	10520	45.36	49.07	15.31	37.41	49.01	54	-4.99	AV
H	15780	54.25	49.18	15.26	40.43	60.76	74	-13.24	PK
H	15780	42.52	49.18	15.26	40.43	49.03	54	-4.97	AV
operation frequency:5280									
V	10560	56.14	49.1	15.35	37.44	59.83	74	-14.17	PK
V	10560	45.36	49.1	15.35	37.44	49.05	54	-4.95	AV
V	15840	55.24	49.19	15.31	40.49	61.85	74	-12.15	PK
V	15840	43.36	49.19	15.31	40.49	49.97	54	-4.03	AV
H	10560	55.14	49.1	15.35	37.44	58.83	74	-15.17	PK
H	10560	43.36	49.1	15.35	37.44	47.05	54	-6.95	AV
H	15840	55.31	49.19	15.31	40.49	61.92	74	-12.08	PK
H	15840	43.33	49.19	15.31	40.49	49.94	54	-4.06	AV
operation frequency:5320									
V	10640	56.36	49.13	15.39	37.48	60.1	74	-13.90	PK
V	10640	44.14	49.13	15.39	37.48	47.88	54	-6.12	AV
V	15960	54.36	49.23	15.36	40.54	61.03	74	-12.97	PK
V	15960	43.52	49.23	15.36	40.54	50.19	54	-3.81	AV
H	10640	56.14	49.13	15.39	37.48	59.88	74	-14.12	PK
H	10640	44.39	49.13	15.39	37.48	48.13	54	-5.87	AV
H	15960	55.65	49.23	15.36	40.54	62.32	74	-11.68	PK
H	15960	42.52	49.23	15.36	40.54	49.19	54	-4.81	AV
Remark:									
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit									
2. If peak below the average limit, the average emission was no test.									
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11n HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5270									
V	10540	57.14	49.07	15.31	37.41	60.79	74	-13.21	PK
V	10540	45.36	49.07	15.31	37.41	49.01	54	-4.99	AV
V	15810	56.52	49.18	15.26	40.43	63.03	74	-10.97	PK
V	15810	43.36	49.18	15.26	40.43	49.87	54	-4.13	AV
H	10540	57.52	49.07	15.31	37.41	61.17	74	-12.83	PK
H	10540	45.78	49.07	15.31	37.41	49.43	54	-4.57	AV
H	15810	55.26	49.18	15.26	40.43	61.77	74	-12.23	PK
H	15810	42.35	49.18	15.26	40.43	48.86	54	-5.14	AV
operation frequency:5310									
V	10620	57.25	49.13	15.39	37.48	60.99	74	-13.01	PK
V	10620	44.14	49.13	15.39	37.48	47.88	54	-6.12	AV
V	15930	54.36	49.23	15.36	40.54	61.03	74	-12.97	PK
V	15930	43.75	49.23	15.36	40.54	50.42	54	-3.58	AV
H	10620	57.97	49.13	15.39	37.48	61.71	74	-12.29	PK
H	10620	45.31	49.13	15.39	37.48	49.05	54	-4.95	AV
H	15930	55.41	49.23	15.36	40.54	62.08	74	-11.92	PK
H	15930	43.52	49.23	15.36	40.54	50.19	54	-3.81	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5260									
V	10520	57.36	49.07	15.31	37.41	61.01	74	-12.99	PK
V	10520	45.14	49.07	15.31	37.41	48.79	54	-5.21	AV
V	15780	57.36	49.18	15.26	40.43	63.87	74	-10.13	PK
V	15780	44.14	49.18	15.26	40.43	50.65	54	-3.35	AV
H	10520	56.36	49.07	15.31	37.41	60.01	74	-13.99	PK
H	10520	45.52	49.07	15.31	37.41	49.17	54	-4.83	AV
H	15780	59.41	49.18	15.26	40.43	65.92	74	-8.08	PK
H	15780	43.33	49.18	15.26	40.43	49.84	54	-4.16	AV
operation frequency:5280									
V	10560	58.25	49.1	15.35	37.44	61.94	74	-12.06	PK
V	10560	45.36	49.1	15.35	37.44	49.05	54	-4.95	AV
V	15840	60.14	49.19	15.31	40.49	66.75	74	-7.25	PK
V	15840	43.36	49.19	15.31	40.49	49.97	54	-4.03	AV
H	10560	57.52	49.1	15.35	37.44	61.21	74	-12.79	PK
H	10560	46.24	49.1	15.35	37.44	49.93	54	-4.07	AV
H	15840	60.36	49.19	15.31	40.49	66.97	74	-7.03	PK
H	15840	43.84	49.19	15.31	40.49	50.45	54	-3.55	AV
operation frequency:5320									
V	10640	59.36	49.13	15.39	37.48	63.1	74	-10.90	PK
V	10640	45.85	49.13	15.39	37.48	49.59	54	-4.41	AV
V	15960	59.89	49.23	15.36	40.54	66.56	74	-7.44	PK
V	15960	43.14	49.23	15.36	40.54	49.81	54	-4.19	AV
H	10640	57.66	49.13	15.39	37.48	61.4	74	-12.60	PK
H	10640	46.04	49.13	15.39	37.48	49.78	54	-4.22	AV
H	15960	58.03	49.23	15.36	40.54	64.7	74	-9.30	PK
H	15960	43.74	49.23	15.36	40.54	50.41	54	-3.59	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5260									
V	10520	56.36	49.07	15.31	37.41	60.01	74	-13.99	PK
V	10520	45.24	49.07	15.31	37.41	48.89	54	-5.11	AV
V	15780	56.96	49.18	15.26	40.43	63.47	74	-10.53	PK
V	15780	43.52	49.18	15.26	40.43	50.03	54	-3.97	AV
H	10520	56.34	49.07	15.31	37.41	59.99	74	-14.01	PK
H	10520	45.36	49.07	15.31	37.41	49.01	54	-4.99	AV
H	15780	59.41	49.18	15.26	40.43	65.92	74	-8.08	PK
H	15780	43.36	49.18	15.26	40.43	49.87	54	-4.13	AV
operation frequency:5280									
V	10560	57.25	49.1	15.35	37.44	60.94	74	-13.06	PK
V	10560	45.51	49.1	15.35	37.44	49.2	54	-4.80	AV
V	15840	59.76	49.19	15.31	40.49	66.37	74	-7.63	PK
V	15840	43.34	49.19	15.31	40.49	49.95	54	-4.05	AV
H	10560	56.93	49.1	15.35	37.44	60.62	74	-13.38	PK
H	10560	45.52	49.1	15.35	37.44	49.21	54	-4.79	AV
H	15840	59.73	49.19	15.31	40.49	66.34	74	-7.66	PK
H	15840	43.54	49.19	15.31	40.49	50.15	54	-3.85	AV
operation frequency:5320									
V	10640	58.36	49.13	15.39	37.48	62.1	74	-11.90	PK
V	10640	45.41	49.13	15.39	37.48	49.15	54	-4.85	AV
V	15960	59.45	49.23	15.36	40.54	66.12	74	-7.88	PK
V	15960	43.36	49.23	15.36	40.54	50.03	54	-3.97	AV
H	10640	57.52	49.13	15.39	37.48	61.26	74	-12.74	PK
H	10640	45.74	49.13	15.39	37.48	49.48	54	-4.52	AV
H	15960	57.36	49.23	15.36	40.54	64.03	74	-9.97	PK
H	15960	42.74	49.23	15.36	40.54	49.41	54	-4.59	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ac HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5270									
V	10540	58.36	49.07	15.31	37.41	62.01	74	-11.99	PK
V	10540	46.21	49.07	15.31	37.41	49.86	54	-4.14	AV
V	15810	57.36	49.18	15.26	40.43	63.87	74	-10.13	PK
V	15810	44.34	49.18	15.26	40.43	50.85	54	-3.15	AV
H	10540	57.14	49.07	15.31	37.41	60.79	74	-13.21	PK
H	10540	46.36	49.07	15.31	37.41	50.01	54	-3.99	AV
H	15810	55.52	49.18	15.26	40.43	62.03	74	-11.97	PK
H	15810	44.26	49.18	15.26	40.43	50.77	54	-3.23	AV
operation frequency:5310									
V	10620	58.36	49.13	15.39	37.48	62.1	74	-11.90	PK
V	10620	45.14	49.13	15.39	37.48	48.88	54	-5.12	AV
V	15930	55.66	49.23	15.36	40.54	62.33	74	-11.67	PK
V	15930	44.27	49.23	15.36	40.54	50.94	54	-3.06	AV
H	10620	58.65	49.13	15.39	37.48	62.39	74	-11.61	PK
H	10620	45.34	49.13	15.39	37.48	49.08	54	-4.92	AV
H	15930	56.25	49.23	15.36	40.54	62.92	74	-11.08	PK
H	15930	44.11	49.23	15.36	40.54	50.78	54	-3.22	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5270									
V	10540	57.36	49.07	15.31	37.41	61.01	74	-12.99	PK
V	10540	45.41	49.07	15.31	37.41	49.06	54	-4.94	AV
V	15810	57.36	49.18	15.26	40.43	63.87	74	-10.13	PK
V	15810	43.52	49.18	15.26	40.43	50.03	54	-3.97	AV
H	10540	57.14	49.07	15.31	37.41	60.79	74	-13.21	PK
H	10540	46.36	49.07	15.31	37.41	50.01	54	-3.99	AV
H	15810	55.54	49.18	15.26	40.43	62.05	74	-11.95	PK
H	15810	43.52	49.18	15.26	40.43	50.03	54	-3.97	AV
operation frequency:5310									
V	10620	58.24	49.13	15.39	37.48	61.98	74	-12.02	PK
V	10620	45.63	49.13	15.39	37.48	49.37	54	-4.63	AV
V	15930	55.52	49.23	15.36	40.54	62.19	74	-11.81	PK
V	15930	43.94	49.23	15.36	40.54	50.61	54	-3.39	AV
H	10620	58.14	49.13	15.39	37.48	61.88	74	-12.12	PK
H	10620	45.36	49.13	15.39	37.48	49.1	54	-4.90	AV
H	15930	56.52	49.23	15.36	40.54	63.19	74	-10.81	PK
H	15930	43.25	49.23	15.36	40.54	49.92	54	-4.08	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ac HT80

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5290									
V	10530	57.24	49.07	15.31	37.41	60.89	74	-13.11	PK
V	10530	46.19	49.07	15.31	37.41	49.84	54	-4.16	AV
V	15850	57.65	49.18	15.26	40.43	64.16	74	-9.84	PK
V	15850	43.56	49.18	15.26	40.43	50.07	54	-3.93	AV
H	10530	57.38	49.07	15.31	37.41	61.03	74	-12.97	PK
H	10530	46.65	49.07	15.31	37.41	50.3	54	-3.70	AV
H	15850	60.16	49.18	15.26	40.43	66.67	74	-7.33	PK
H	15850	43.85	49.18	15.26	40.43	50.36	54	-3.64	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT80

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5290									
V	10530	58.36	49.1	15.35	37.44	62.05	74	-11.95	PK
V	10530	46.21	49.1	15.35	37.44	49.9	54	-4.10	AV
V	15850	60.36	49.19	15.31	40.49	66.97	74	-7.03	PK
V	15850	43.85	49.19	15.31	40.49	50.46	54	-3.54	AV
H	10530	57.63	49.1	15.35	37.44	61.32	74	-12.68	PK
H	10530	46.74	49.1	15.35	37.44	50.43	54	-3.57	AV
H	15850	60.13	49.19	15.31	40.49	66.74	74	-7.26	PK
H	15850	43.84	49.19	15.31	40.49	50.45	54	-3.55	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Band 3

802.11a

We test all antenna's data, the data only show the antenna1 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5500									
V	11000	58.31	49.08	15.27	37.33	61.83	74	-12.17	PK
V	11000	46.45	49.08	15.27	37.33	49.97	54	-4.03	AV
V	16500	57.64	49.13	15.29	40.49	64.29	74	-9.71	PK
V	16500	43.91	49.13	15.29	40.49	50.56	54	-3.44	AV
H	11000	57.36	49.08	15.27	37.33	60.88	74	-13.12	PK
H	11000	46.64	49.08	15.27	37.33	50.16	54	-3.84	AV
H	16500	60.52	49.13	15.29	40.49	67.17	74	-6.83	PK
H	16500	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
operation frequency:5600									
V	11200	59.14	49.11	15.32	37.45	62.8	74	-11.20	PK
V	11200	46.46	49.11	15.32	37.45	50.12	54	-3.88	AV
V	16800	61.25	49.19	15.3	40.48	67.84	74	-6.16	PK
V	16800	44.21	49.19	15.3	40.48	50.8	54	-3.20	AV
H	11200	58.64	49.11	15.32	37.45	62.3	74	-11.70	PK
H	11200	46.14	49.11	15.32	37.45	49.8	54	-4.20	AV
H	16800	53.56	49.19	15.3	40.48	60.15	74	-13.85	PK
H	16800	43.25	49.19	15.3	40.48	49.84	54	-4.16	AV
operation frequency:5700									
V	11400	59.36	49.14	15.38	37.49	63.09	74	-10.91	PK
V	11400	46.41	49.14	15.38	37.49	50.14	54	-3.86	AV
V	17100	61.06	49.23	15.36	40.55	67.74	74	-6.26	PK
V	17100	43.52	49.23	15.36	40.55	50.2	54	-3.80	AV
H	11400	58.41	49.14	15.38	37.49	62.14	74	-11.86	PK
H	11400	46.73	49.14	15.38	37.49	50.46	54	-3.54	AV
H	17100	58.14	49.23	15.36	40.55	64.82	74	-9.18	PK
H	17100	43.63	49.23	15.36	40.55	50.31	54	-3.69	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11n HT20

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5500									
V	11000	57.36	49.08	15.27	37.33	60.88	74	-13.12	PK
V	11000	46.52	49.08	15.27	37.33	50.04	54	-3.96	AV
V	16500	56.84	49.13	15.29	40.49	63.49	74	-10.51	PK
V	16500	43.83	49.13	15.29	40.49	50.48	54	-3.52	AV
H	11000	57.18	49.08	15.27	37.33	60.7	74	-13.30	PK
H	11000	46.25	49.08	15.27	37.33	49.77	54	-4.23	AV
H	16500	55.36	49.13	15.29	40.49	62.01	74	-11.99	PK
H	16500	43.24	49.13	15.29	40.49	49.89	54	-4.11	AV
operation frequency:5600									
V	11200	57.36	49.11	15.32	37.45	61.02	74	-12.98	PK
V	11200	45.34	49.11	15.32	37.45	49	54	-5.00	AV
V	16800	56.84	49.19	15.3	40.48	63.43	74	-10.57	PK
V	16800	43.81	49.19	15.3	40.48	50.4	54	-3.60	AV
H	11200	55.25	49.11	15.32	37.45	58.91	74	-15.09	PK
H	11200	44.36	49.11	15.32	37.45	48.02	54	-5.98	AV
H	16800	55.51	49.19	15.3	40.48	62.1	74	-11.90	PK
H	16800	43.77	49.19	15.3	40.48	50.36	54	-3.64	AV
operation frequency:5700									
V	11400	57.36	49.14	15.38	37.49	61.09	74	-12.91	PK
V	11400	44.41	49.14	15.38	37.49	48.14	54	-5.86	AV
V	17100	55.18	49.23	15.36	40.55	61.86	74	-12.14	PK
V	17100	43.76	49.23	15.36	40.55	50.44	54	-3.56	AV
H	11400	58.41	49.14	15.38	37.49	62.14	74	-11.86	PK
H	11400	45.23	49.14	15.38	37.49	48.96	54	-5.04	AV
H	17100	55.85	49.23	15.36	40.55	62.53	74	-11.47	PK
H	17100	43.52	49.23	15.36	40.55	50.2	54	-3.80	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11n HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	11020	57.36	49.08	15.27	37.33	60.88	74	-13.12	PK
V	11020	45.74	49.08	15.27	37.33	49.26	54	-4.74	AV
V	16530	56.14	49.13	15.29	40.49	62.79	74	-11.21	PK
V	16530	43.86	49.13	15.29	40.49	50.51	54	-3.49	AV
H	11020	56.25	49.08	15.27	37.33	59.77	74	-14.23	PK
H	11020	46.85	49.08	15.27	37.33	50.37	54	-3.63	AV
H	16530	54.94	49.13	15.29	40.49	61.59	74	-12.41	PK
H	16530	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
operation frequency:5550									
V	11100	58.36	49.11	15.32	37.45	62.02	74	-11.98	PK
V	11100	45.55	49.11	15.32	37.45	49.21	54	-4.79	AV
V	16650	55.14	49.19	15.3	40.48	61.73	74	-12.27	PK
V	16650	43.26	49.19	15.3	40.48	49.85	54	-4.15	AV
H	11100	58.07	49.11	15.32	37.45	61.73	74	-12.27	PK
H	11100	45.26	49.11	15.32	37.45	48.92	54	-5.08	AV
H	16650	56.05	49.19	15.3	40.48	62.64	74	-11.36	PK
H	16650	44.26	49.19	15.3	40.48	50.85	54	-3.15	AV
operation frequency:5670									
V	11340	58.14	49.14	15.38	37.49	61.87	74	-12.13	PK
V	11340	45.16	49.14	15.38	37.49	48.89	54	-5.11	AV
V	17010	55.17	49.23	15.36	40.55	61.85	74	-12.15	PK
V	17010	43.63	49.23	15.36	40.55	50.31	54	-3.69	AV
H	11340	58.25	49.14	15.38	37.49	61.98	74	-12.02	PK
H	11340	45.36	49.14	15.38	37.49	49.09	54	-4.91	AV
H	17010	55.87	49.23	15.36	40.55	62.55	74	-11.45	PK
H	17010	43.52	49.23	15.36	40.55	50.2	54	-3.80	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ac HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5500									
V	11000	58.14	49.08	15.27	37.33	61.66	74	-12.34	PK
V	11000	46.26	49.08	15.27	37.33	49.78	54	-4.22	AV
V	16500	57.85	49.13	15.29	40.49	64.5	74	-9.50	PK
V	16500	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
H	11000	57.14	49.08	15.27	37.33	60.66	74	-13.34	PK
H	11000	46.56	49.08	15.27	37.33	50.08	54	-3.92	AV
H	16500	60.61	49.13	15.29	40.49	67.26	74	-6.74	PK
H	16500	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
operation frequency:5600									
V	11200	58.36	49.11	15.32	37.45	62.02	74	-11.98	PK
V	11200	46.24	49.11	15.32	37.45	49.9	54	-4.10	AV
V	16800	60.73	49.19	15.3	40.48	67.32	74	-6.68	PK
V	16800	44.14	49.19	15.3	40.48	50.73	54	-3.27	AV
H	11200	57.93	49.11	15.32	37.45	61.59	74	-12.41	PK
H	11200	46.35	49.11	15.32	37.45	50.01	54	-3.99	AV
H	16800	53.63	49.19	15.3	40.48	60.22	74	-13.78	PK
H	16800	43.25	49.19	15.3	40.48	49.84	54	-4.16	AV
operation frequency:5700									
V	11400	59.41	49.14	15.38	37.49	63.14	74	-10.86	PK
V	11400	46.36	49.14	15.38	37.49	50.09	54	-3.91	AV
V	17100	60.74	49.23	15.36	40.55	67.42	74	-6.58	PK
V	17100	43.25	49.23	15.36	40.55	49.93	54	-4.07	AV
H	11400	58.34	49.14	15.38	37.49	62.07	74	-11.93	PK
H	11400	46.14	49.14	15.38	37.49	49.87	54	-4.13	AV
H	17100	58.63	49.23	15.36	40.55	65.31	74	-8.69	PK
H	17100	43.14	49.23	15.36	40.55	49.82	54	-4.18	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5500									
V	11000	58.63	49.08	15.27	37.33	62.15	74	-11.85	PK
V	11000	45.14	49.08	15.27	37.33	48.66	54	-5.34	AV
V	16500	57.36	49.13	15.29	40.49	64.01	74	-9.99	PK
V	16500	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
H	11000	56.36	49.08	15.27	37.33	59.88	74	-14.12	PK
H	11000	46.25	49.08	15.27	37.33	49.77	54	-4.23	AV
H	16500	60.63	49.13	15.29	40.49	67.28	74	-6.72	PK
H	16500	43.14	49.13	15.29	40.49	49.79	54	-4.21	AV
operation frequency:5600									
V	11200	58.36	49.11	15.32	37.45	62.02	74	-11.98	PK
V	11200	45.41	49.11	15.32	37.45	49.07	54	-4.93	AV
V	16800	60.22	49.19	15.3	40.48	66.81	74	-7.19	PK
V	16800	43.63	49.19	15.3	40.48	50.22	54	-3.78	AV
H	11200	57.14	49.11	15.32	37.45	60.8	74	-13.20	PK
H	11200	46.28	49.11	15.32	37.45	49.94	54	-4.06	AV
H	16800	52.14	49.19	15.3	40.48	58.73	74	-15.27	PK
H	16800	43.25	49.19	15.3	40.48	49.84	54	-4.16	AV
operation frequency:5700									
V	11400	59.14	49.14	15.38	37.49	62.87	74	-11.13	PK
V	11400	46.36	49.14	15.38	37.49	50.09	54	-3.91	AV
V	17100	60.52	49.23	15.36	40.55	67.2	74	-6.80	PK
V	17100	44.27	49.23	15.36	40.55	50.95	54	-3.05	AV
H	11400	57.14	49.14	15.38	37.49	60.87	74	-13.13	PK
H	11400	46.63	49.14	15.38	37.49	50.36	54	-3.64	AV
H	17100	58.25	49.23	15.36	40.55	64.93	74	-9.07	PK
H	17100	43.69	49.23	15.36	40.55	50.37	54	-3.63	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ac HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antennas's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	11020	57.14	49.08	15.27	37.33	60.66	74	-13.34	PK
V	11020	46.63	49.08	15.27	37.33	50.15	54	-3.85	AV
V	16530	57.14	49.13	15.29	40.49	63.79	74	-10.21	PK
V	16530	43.25	49.13	15.29	40.49	49.9	54	-4.10	AV
H	11020	57.14	49.08	15.27	37.33	60.66	74	-13.34	PK
H	11020	46.36	49.08	15.27	37.33	49.88	54	-4.12	AV
H	16530	55.14	49.13	15.29	40.49	61.79	74	-12.21	PK
H	16530	43.47	49.13	15.29	40.49	50.12	54	-3.88	AV
operation frequency:5550									
V	11100	58.66	49.11	15.32	37.45	62.32	74	-11.68	PK
V	11100	45.41	49.11	15.32	37.45	49.07	54	-4.93	AV
V	16650	56.36	49.19	15.3	40.48	62.95	74	-11.05	PK
V	16650	43.52	49.19	15.3	40.48	50.11	54	-3.89	AV
H	11100	59.36	49.11	15.32	37.45	63.02	74	-10.98	PK
H	11100	45.41	49.11	15.32	37.45	49.07	54	-4.93	AV
H	16650	56.25	49.19	15.3	40.48	62.84	74	-11.16	PK
H	16650	43.24	49.19	15.3	40.48	49.83	54	-4.17	AV
operation frequency:5670									
V	11340	58.36	49.14	15.38	37.49	62.09	74	-11.91	PK
V	11340	45.52	49.14	15.38	37.49	49.25	54	-4.75	AV
V	17010	55.63	49.23	15.36	40.55	62.31	74	-11.69	PK
V	17010	44.14	49.23	15.36	40.55	50.82	54	-3.18	AV
H	11340	58.14	49.14	15.38	37.49	61.87	74	-12.13	PK
H	11340	45.63	49.14	15.38	37.49	49.36	54	-4.64	AV
H	17010	56.25	49.23	15.36	40.55	62.93	74	-11.07	PK
H	17010	43.36	49.23	15.36	40.55	50.04	54	-3.96	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antennas's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	11020	57.14	49.08	15.27	37.33	60.66	74	-13.34	PK
V	11020	45.36	49.08	15.27	37.33	48.88	54	-5.12	AV
V	16530	57.14	49.13	15.29	40.49	63.79	74	-10.21	PK
V	16530	43.24	49.13	15.29	40.49	49.89	54	-4.11	AV
H	11020	57.52	49.08	15.27	37.33	61.04	74	-12.96	PK
H	11020	46.63	49.08	15.27	37.33	50.15	54	-3.85	AV
H	16530	55.14	49.13	15.29	40.49	61.79	74	-12.21	PK
H	16530	44.33	49.13	15.29	40.49	50.98	54	-3.02	AV
operation frequency:5550									
V	11100	58.58	49.11	15.32	37.45	62.24	74	-11.76	PK
V	11100	45.63	49.11	15.32	37.45	49.29	54	-4.71	AV
V	16650	54.14	49.19	15.3	40.48	60.73	74	-13.27	PK
V	16650	43.47	49.19	15.3	40.48	50.06	54	-3.94	AV
H	11100	58.14	49.11	15.32	37.45	61.8	74	-12.20	PK
H	11100	44.36	49.11	15.32	37.45	48.02	54	-5.98	AV
H	16650	56.85	49.19	15.3	40.48	63.44	74	-10.56	PK
H	16650	44.36	49.19	15.3	40.48	50.95	54	-3.05	AV
operation frequency:5670									
V	11340	58.14	49.14	15.38	37.49	61.87	74	-12.13	PK
V	11340	45.25	49.14	15.38	37.49	48.98	54	-5.02	AV
V	17010	55.63	49.23	15.36	40.55	62.31	74	-11.69	PK
V	17010	43.14	49.23	15.36	40.55	49.82	54	-4.18	AV
H	11340	58.36	49.14	15.38	37.49	62.09	74	-11.91	PK
H	11340	45.52	49.14	15.38	37.49	49.25	54	-4.75	AV
H	17010	56.36	49.23	15.36	40.55	63.04	74	-10.96	PK
H	17010	43.58	49.23	15.36	40.55	50.26	54	-3.74	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ac HT80

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5530									
V	11010	58.24	49.08	15.27	37.33	61.76	74	-12.24	PK
V	11010	46.59	49.08	15.27	37.33	50.11	54	-3.89	AV
V	16540	57.65	49.13	15.29	40.49	64.3	74	-9.70	PK
V	16540	43.63	49.13	15.29	40.49	50.28	54	-3.72	AV
H	11010	57.38	49.08	15.27	37.33	60.9	74	-13.10	PK
H	11010	46.14	49.08	15.27	37.33	49.66	54	-4.34	AV
H	16540	60.59	49.13	15.29	40.49	67.24	74	-6.76	PK
H	16540	43.52	49.13	15.29	40.49	50.17	54	-3.83	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ax HT80

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5530									
V	11010	59.16	49.11	15.32	37.45	62.82	74	-11.18	PK
V	11010	46.43	49.11	15.32	37.45	50.09	54	-3.91	AV
V	16540	61.63	49.19	15.3	40.48	68.22	74	-5.78	PK
V	16540	44.21	49.19	15.3	40.48	50.8	54	-3.20	AV
H	11010	58.68	49.11	15.32	37.45	62.34	74	-11.66	PK
H	11010	46.16	49.11	15.32	37.45	49.82	54	-4.18	AV
H	16540	53.85	49.19	15.3	40.48	60.44	74	-13.56	PK
H	16540	43.23	49.19	15.3	40.48	49.82	54	-4.18	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Band 4

802.11a

We test all antenna's data, the data only show the antenna1 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5745									
V	11490	54.23	49.05	15.3	37.39	57.87	74	-16.13	PK
V	11490	41.58	49.05	15.3	37.39	45.22	54	-8.78	AV
V	17235	55.41	49.16	15.27	40.45	61.97	68.2	-6.23	PK
V	17235	40.36	49.16	15.27	40.45	46.92	54	-7.08	AV
H	11490	52.52	49.05	15.3	37.39	56.16	74	-17.84	PK
H	11490	42.66	49.05	15.3	37.39	46.3	54	-7.70	AV
H	17235	51.36	49.16	15.27	40.45	57.92	68.2	-10.28	PK
H	17235	40.14	49.16	15.27	40.45	46.7	54	-7.30	AV
operation frequency:5785									
V	11570	51.63	49.09	15.34	37.42	55.3	74	-18.70	PK
V	11570	41.25	49.09	15.34	37.42	44.92	54	-9.08	AV
V	17355	50.18	49.18	15.29	40.47	56.76	68.2	-11.44	PK
V	17355	40.96	49.18	15.29	40.47	47.54	54	-6.46	AV
H	11570	50.14	49.09	15.34	37.42	53.81	74	-20.19	PK
H	11570	42.08	49.09	15.34	37.42	45.75	54	-8.25	AV
H	17355	48.76	49.18	15.29	40.47	55.34	68.2	-12.86	PK
H	17355	40.64	49.18	15.29	40.47	47.22	54	-6.78	AV
operation frequency:5825									
V	11650	52.36	49.11	15.37	37.46	56.08	74	-17.92	PK
V	11650	41.18	49.11	15.37	37.46	44.9	54	-9.10	AV
V	17475	49.56	49.21	15.34	40.51	56.2	68.2	-12.00	PK
V	17475	40.38	49.21	15.34	40.51	47.02	54	-6.98	AV
H	11650	57.54	49.11	15.37	31.31	55.11	74	-18.89	PK
H	11650	48.53	49.11	15.37	31.31	46.1	54	-7.90	AV
H	17475	49.85	49.21	15.34	40.51	56.49	68.2	-11.71	PK
H	17475	40.52	49.21	15.34	40.51	47.16	54	-6.84	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11n HT20

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5745									
V	11490	49.36	49.05	15.3	37.39	53	74	-21.00	PK
V	11490	42.34	49.05	15.3	37.39	45.98	54	-8.02	AV
V	17235	48.85	49.16	15.27	40.45	55.41	68.2	-12.79	PK
V	17235	40.49	49.16	15.27	40.45	47.05	54	-6.95	AV
H	11490	49.52	49.05	15.3	37.39	53.16	74	-20.84	PK
H	11490	41.14	49.05	15.3	37.39	44.78	54	-9.22	AV
H	17235	48.36	49.16	15.27	40.45	54.92	68.2	-13.28	PK
H	17235	40.41	49.16	15.27	40.45	46.97	54	-7.03	AV
operation frequency:5785									
V	11570	52.36	49.09	15.34	37.42	56.03	74	-17.97	PK
V	11570	42.18	49.09	15.34	37.42	45.85	54	-8.15	AV
V	17355	49.84	49.18	15.29	40.47	56.42	68.2	-11.78	PK
V	17355	40.69	49.18	15.29	40.47	47.27	54	-6.73	AV
H	11570	49.94	49.09	15.34	37.42	53.61	74	-20.39	PK
H	11570	43.57	49.09	15.34	37.42	47.24	54	-6.76	AV
H	17355	49.36	49.18	15.29	40.47	55.94	68.2	-12.26	PK
H	17355	40.64	49.18	15.29	40.47	47.22	54	-6.78	AV
operation frequency:5825									
V	11650	51.23	49.11	15.37	37.46	54.95	74	-19.05	PK
V	11650	41.28	49.11	15.37	37.46	45	54	-9.00	AV
V	17475	48.36	49.21	15.34	40.51	55	68.2	-13.20	PK
V	17475	40.41	49.21	15.34	40.51	47.05	54	-6.95	AV
H	11650	57.85	49.11	15.37	31.31	55.42	74	-18.58	PK
H	11650	44.25	49.11	15.37	31.31	41.82	54	-12.18	AV
H	17475	49.36	49.21	15.34	40.51	56	68.2	-12.20	PK
H	17475	40.74	49.21	15.34	40.51	47.38	54	-6.62	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11n HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5755									
V	11510	49.23	49.07	15.33	37.41	52.9	74	-21.10	PK
V	11510	41.34	49.07	15.33	37.41	45.01	54	-8.99	AV
V	17265	49.87	49.17	15.28	40.46	56.44	68.2	-11.76	PK
V	17265	40.36	49.17	15.28	40.46	46.93	54	-7.07	AV
H	11510	48.52	49.07	15.33	37.41	52.19	74	-21.81	PK
H	11510	41.16	49.07	15.33	37.41	44.83	54	-9.17	AV
H	17265	49.67	49.17	15.28	40.46	56.24	68.2	-11.96	PK
H	17265	40.45	49.17	15.28	40.46	47.02	54	-6.98	AV
operation frequency:5795									
V	11590	49.23	49.11	15.37	37.46	52.95	74	-21.05	PK
V	11590	41.27	49.11	15.37	37.46	44.99	54	-9.01	AV
V	17385	48.63	49.21	15.34	40.51	55.27	68.2	-12.93	PK
V	17385	40.41	49.21	15.34	40.51	47.05	54	-6.95	AV
H	11590	57.69	49.11	15.37	31.31	55.26	74	-18.74	PK
H	11590	44.52	49.11	15.37	31.31	42.09	54	-11.91	AV
H	17385	48.41	49.21	15.34	40.51	55.05	68.2	-13.15	PK
H	17385	40.39	49.21	15.34	40.51	47.03	54	-6.97	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5745									
V	11490	49.23	49.05	15.3	37.39	52.87	74	-21.13	PK
V	11490	42.85	49.05	15.3	37.39	46.49	54	-7.51	AV
V	17235	48.41	49.16	15.27	40.45	54.97	68.2	-13.23	PK
V	17235	40.66	49.16	15.27	40.45	47.22	54	-6.78	AV
H	11490	48.28	49.05	15.3	37.39	51.92	74	-22.08	PK
H	11490	41.23	49.05	15.3	37.39	44.87	54	-9.13	AV
H	17235	48.84	49.16	15.27	40.45	55.4	68.2	-12.80	PK
H	17235	40.85	49.16	15.27	40.45	47.41	54	-6.59	AV
operation frequency:5785									
V	11570	48.36	49.09	15.34	37.42	52.03	74	-21.97	PK
V	11570	41.52	49.09	15.34	37.42	45.19	54	-8.81	AV
V	17355	49.88	49.18	15.29	40.47	56.46	68.2	-11.74	PK
V	17355	40.55	49.18	15.29	40.47	47.13	54	-6.87	AV
H	11570	49.96	49.09	15.34	37.42	53.63	74	-20.37	PK
H	11570	43.14	49.09	15.34	37.42	46.81	54	-7.19	AV
H	17355	49.13	49.18	15.29	40.47	55.71	68.2	-12.49	PK
H	17355	40.74	49.18	15.29	40.47	47.32	54	-6.68	AV
operation frequency:5825									
V	11650	49.36	49.11	15.37	37.46	53.08	74	-20.92	PK
V	11650	41.84	49.11	15.37	37.46	45.56	54	-8.44	AV
V	17475	48.48	49.21	15.34	40.51	55.12	68.2	-13.08	PK
V	17475	40.96	49.21	15.34	40.51	47.6	54	-6.40	AV
H	11650	57.88	49.11	15.37	31.31	55.45	74	-18.55	PK
H	11650	44.63	49.11	15.37	31.31	42.2	54	-11.80	AV
H	17475	48.52	49.21	15.34	40.51	55.16	68.2	-13.04	PK
H	17475	40.74	49.21	15.34	40.51	47.38	54	-6.62	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBUV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector Type
operation frequency:5745									
V	11490	49.36	49.07	15.33	37.41	53.03	74	-20.97	PK
V	11490	42.57	49.07	15.33	37.41	46.24	54	-7.76	AV
V	17235	48.39	49.17	15.28	40.46	54.96	68.2	-13.24	PK
V	17235	41.45	49.17	15.28	40.46	48.02	54	-5.98	AV
H	11490	48.64	49.07	15.33	37.41	52.31	74	-21.69	PK
H	11490	42.85	49.07	15.33	37.41	46.52	54	-7.48	AV
H	17235	48.46	49.17	15.28	40.46	55.03	68.2	-13.17	PK
H	17235	40.27	49.17	15.28	40.46	46.84	54	-7.16	AV
operation frequency:5785									
V	11570	49.63	49.11	15.37	37.46	53.35	74	-20.65	PK
V	11570	41.34	49.11	15.37	37.46	45.06	54	-8.94	AV
V	17355	48.59	49.21	15.34	40.51	55.23	68.2	-12.97	PK
V	17355	40.52	49.21	15.34	40.51	47.16	54	-6.84	AV
H	11570	57.14	49.11	15.37	31.31	54.71	74	-19.29	PK
H	11570	44.76	49.11	15.37	31.31	42.33	54	-11.67	AV
H	17355	48.85	49.21	15.34	40.51	55.49	68.2	-12.71	PK
H	17355	40.83	49.21	15.34	40.51	47.47	54	-6.53	AV
operation frequency:5825									
V	11650	48.25	49.07	15.33	37.41	51.92	74	-22.08	PK
V	11650	42.74	49.07	15.33	37.41	46.41	54	-7.59	AV
V	17475	49.96	49.17	15.28	40.46	56.53	68.2	-11.67	PK
V	17475	40.85	49.17	15.28	40.46	47.42	54	-6.58	AV
H	11650	48.14	49.07	15.33	37.41	51.81	74	-22.19	PK
H	11650	41.96	49.07	15.33	37.41	45.63	54	-8.37	AV
H	17475	48.95	49.17	15.28	40.46	55.52	68.2	-12.68	PK
H	17475	40.14	49.17	15.28	40.46	46.71	54	-7.29	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ac HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5755									
V	11510	49.69	49.11	15.37	37.46	53.41	74	-20.59	PK
V	11510	41.52	49.11	15.37	37.46	45.24	54	-8.76	AV
V	17265	48.57	49.21	15.34	40.51	55.21	68.2	-12.99	PK
V	17265	40.63	49.21	15.34	40.51	47.27	54	-6.73	AV
H	11510	57.88	49.11	15.37	31.31	55.45	74	-18.55	PK
H	11510	44.74	49.11	15.37	31.31	42.31	54	-11.69	AV
H	17265	48.83	49.21	15.34	40.51	55.47	68.2	-12.73	PK
H	17265	40.28	49.21	15.34	40.51	46.92	54	-7.08	AV
operation frequency:5795									
V	11590	48.63	49.07	15.33	37.41	52.3	74	-21.70	PK
V	11590	42.77	49.07	15.33	37.41	46.44	54	-7.56	AV
V	17385	49.14	49.17	15.28	40.46	55.71	68.2	-12.49	PK
V	17385	40.36	49.17	15.28	40.46	46.93	54	-7.07	AV
H	11590	48.52	49.07	15.33	37.41	52.19	74	-21.81	PK
H	11590	41.36	49.07	15.33	37.41	45.03	54	-8.97	AV
H	17385	48.41	49.17	15.28	40.46	54.98	68.2	-13.22	PK
H	17385	40.36	49.17	15.28	40.46	46.93	54	-7.07	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT40

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5755									
V	11510	49.63	49.07	15.33	37.41	53.3	74	-20.70	PK
V	11510	42.58	49.07	15.33	37.41	46.25	54	-7.75	AV
V	17265	48.34	49.17	15.28	40.46	54.91	68.2	-13.29	PK
V	17265	41.25	49.17	15.28	40.46	47.82	54	-6.18	AV
H	11510	48.36	49.07	15.33	37.41	52.03	74	-21.97	PK
H	11510	42.84	49.07	15.33	37.41	46.51	54	-7.49	AV
H	17265	48.85	49.17	15.28	40.46	55.42	68.2	-12.78	PK
H	17265	40.26	49.17	15.28	40.46	46.83	54	-7.17	AV
operation frequency:5795									
V	11590	49.25	49.11	15.37	37.46	52.97	74	-21.03	PK
V	11590	41.36	49.11	15.37	37.46	45.08	54	-8.92	AV
V	17385	48.41	49.21	15.34	40.51	55.05	68.2	-13.15	PK
V	17385	40.69	49.21	15.34	40.51	47.33	54	-6.67	AV
H	11590	57.84	49.11	15.37	31.31	55.41	74	-18.59	PK
H	11590	44.76	49.11	15.37	31.31	42.33	54	-11.67	AV
H	17385	48.52	49.21	15.34	40.51	55.16	68.2	-13.04	PK
H	17385	40.29	49.21	15.34	40.51	46.93	54	-7.07	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

802.11ac HT80

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5775									
V	11550	54.35	49.05	15.3	37.39	57.99	74	-16.01	PK
V	11550	41.18	49.05	15.3	37.39	44.82	54	-9.18	AV
V	17325	55.53	49.16	15.27	40.45	62.09	68.2	-6.11	PK
V	17325	40.38	49.16	15.27	40.45	46.94	54	-7.06	AV
H	11550	52.64	49.05	15.3	37.39	56.28	74	-17.72	PK
H	11550	42.86	49.05	15.3	37.39	46.5	54	-7.50	AV
H	17325	51.88	49.16	15.27	40.45	58.44	68.2	-9.76	PK
H	17325	40.63	49.16	15.27	40.45	47.19	54	-6.81	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



802.11ax HT80

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5775									
V	11550	51.28	49.09	15.34	37.42	54.95	74	-19.05	PK
V	11550	41.62	49.09	15.34	37.42	45.29	54	-8.71	AV
V	17325	50.53	49.18	15.29	40.47	57.11	68.2	-11.09	PK
V	17325	40.21	49.18	15.29	40.47	46.79	54	-7.21	AV
H	11550	50.76	49.09	15.34	37.42	54.43	74	-19.57	PK
H	11550	42.85	49.09	15.34	37.42	46.52	54	-7.48	AV
H	17325	48.13	49.18	15.29	40.47	54.71	68.2	-13.49	PK
H	17325	40.84	49.18	15.29	40.47	47.42	54	-6.58	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



3.2.7 TEST RESULTS(Band edge Requirements)

802.11a

We test all antenna's data, the data only show the antenna1 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	5150	53.25	49.12	15.6	37.34	57.07	74	-16.93	PK
V	5150	39.63	49.12	15.6	37.34	43.45	54	-10.55	AV
V	5145	54.27	49.19	15.24	40.43	60.75	74	-13.25	PK
V	5145	36.64	49.19	15.24	40.43	43.12	54	-10.88	AV
H	5150	52.48	49.12	15.6	37.34	56.3	74	-17.7	PK
H	5150	37.82	49.12	15.6	37.34	41.64	54	-12.36	AV
H	5145	54.85	49.19	15.24	40.43	61.33	74	-12.67	PK
H	5145	33.49	49.19	15.24	40.43	39.97	54	-14.03	AV
operation frequency:5240									
V	5350	53.64	49.13	15.32	37.46	57.29	74	-16.71	PK
V	5350	35.86	49.13	15.32	37.46	39.51	54	-14.49	AV
V	5370	53.25	49.24	15.36	40.51	59.88	74	-14.12	PK
V	5370	32.14	49.24	15.36	40.51	38.77	54	-15.23	AV
H	5350	52.29	49.13	15.32	31.31	49.79	74	-24.21	PK
H	5350	40.95	49.13	15.32	31.31	38.45	54	-15.55	AV
H	5370	52.33	49.24	15.36	40.51	58.96	74	-15.04	PK
H	5370	32.98	49.24	15.36	40.51	39.61	54	-14.39	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5260									
V	5132.00	51.65	46.38	12.43	35.65	53.35	68.2	-14.85	PK
V	5132.00	40.52	46.38	12.43	35.65	42.22	54	-11.78	AV
V	5150.00	51.63	46.56	12.47	35.76	53.3	68.2	-14.9	PK
V	5150.00	40.58	46.56	12.47	35.76	42.25	54	-11.75	AV
H	5132.00	51.39	46.38	12.43	35.65	53.09	68.2	-15.11	PK
H	5132.00	40.44	46.38	12.43	35.65	42.14	54	-11.86	AV
H	5150.00	51.85	46.56	12.47	35.76	53.52	68.2	-14.68	PK
H	5150.00	40.96	46.56	12.47	35.76	42.63	54	-11.37	AV
operation frequency:5320									
V	5350.00	56.52	46.55	12.65	35.87	58.49	68.2	-9.71	PK
V	5350.00	42.36	46.55	12.65	35.87	44.33	54	-9.67	AV
V	5364.00	56.48	46.58	12.67	35.93	58.5	68.2	-9.7	PK
V	5364.00	42.36	46.58	12.67	35.93	44.38	54	-9.62	AV
H	5350.00	56.52	46.55	12.65	35.87	58.49	68.2	-9.71	PK
H	5350.00	42.53	46.55	12.65	35.87	44.5	54	-9.5	AV
H	5364.00	55.96	46.58	12.67	35.93	57.98	68.2	-10.22	PK
H	5364.00	42.44	46.58	12.67	35.93	44.46	54	-9.54	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5500									
V	5460.00	50.36	47.36	13.18	36.26	52.44	68.2	-15.76	PK
V	5460.00	40.85	47.36	13.18	36.26	42.93	54	-11.07	AV
V	5470.00	51.73	47.38	13.2	36.29	53.84	68.2	-14.36	PK
V	5470.00	41.08	47.38	13.2	36.29	43.19	54	-10.81	AV
H	5460.00	51.52	47.36	13.18	36.26	53.6	68.2	-14.6	PK
H	5460.00	41.76	47.36	13.18	36.26	43.84	54	-10.16	AV
H	5470.00	51.08	47.38	13.2	36.29	53.19	68.2	-15.01	PK
H	5470.00	40.46	47.38	13.2	36.29	42.57	54	-11.43	AV
operation frequency:5700									
V	5725.00	51.89	48.32	15.24	37.37	56.18	68.2	-12.02	PK
V	5725.00	40.84	48.32	15.24	37.37	45.13	54	-8.87	AV
V	5728.00	51.18	48.36	15.27	37.39	55.48	74	-18.52	PK
V	5728.00	41.96	48.36	15.27	37.39	46.26	54	-7.74	AV
H	5725.00	51.75	48.32	15.24	37.37	56.04	68.2	-12.16	PK
H	5725.00	40.86	48.32	15.24	37.37	45.15	54	-8.85	AV
H	5728.00	50.85	48.36	15.27	37.39	55.15	74	-18.85	PK
H	5728.00	40.53	48.36	15.27	37.39	44.83	54	-9.17	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11n HT20

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antennas's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5180									
V	5150	51.14	49.12	15.6	37.34	54.96	74	-19.04	PK
V	5150	33.93	49.12	15.6	37.34	37.75	54	-16.25	AV
V	5145	51.58	49.19	15.24	40.43	58.06	74	-15.94	PK
V	5145	33.63	49.19	15.24	40.43	40.11	54	-13.89	AV
H	5150	51.55	49.12	15.6	37.34	55.37	74	-18.63	PK
H	5150	33.36	49.12	15.6	37.34	37.18	54	-16.82	AV
H	5145	50.97	49.19	15.24	40.43	57.45	74	-16.55	PK
H	5145	32.62	49.19	15.24	40.43	39.1	54	-14.9	AV
operation frequency:5240									
V	5350	53.25	49.13	15.32	37.46	56.9	74	-17.1	PK
V	5350	34.63	49.13	15.32	37.46	38.28	54	-15.72	AV
V	5370	50.85	49.24	15.36	40.51	57.48	74	-16.52	PK
V	5370	33.64	49.24	15.36	40.51	40.27	54	-13.73	AV
H	5350	54.76	49.13	15.32	31.31	52.26	74	-21.74	PK
H	5350	36.58	49.13	15.32	31.31	34.08	54	-19.92	AV
H	5370	51.54	49.24	15.36	40.51	58.17	74	-15.83	PK
H	5370	33.89	49.24	15.36	40.51	40.52	54	-13.48	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5260									
V	5132.00	51.85	46.38	12.43	35.65	53.55	68.2	-14.65	PK
V	5132.00	40.59	46.38	12.43	35.65	42.29	54	-11.71	AV
V	5150.00	51.52	46.56	12.47	35.76	53.19	68.2	-15.01	PK
V	5150.00	40.16	46.56	12.47	35.76	41.83	54	-12.17	AV
H	5132.00	51.67	46.38	12.43	35.65	53.37	68.2	-14.83	PK
H	5132.00	40.63	46.38	12.43	35.65	42.33	54	-11.67	AV
H	5150.00	51.54	46.56	12.47	35.76	53.21	68.2	-14.99	PK
H	5150.00	40.19	46.56	12.47	35.76	41.86	54	-12.14	AV
operation frequency:5320									
V	5350.00	55.55	46.55	12.65	35.87	57.52	68.2	-10.68	PK
V	5350.00	43.49	46.55	12.65	35.87	45.46	54	-8.54	AV
V	5364.00	55.35	46.58	12.67	35.93	57.37	68.2	-10.83	PK
V	5364.00	43.27	46.58	12.67	35.93	45.29	54	-8.71	AV
H	5350.00	56.63	46.55	12.65	35.87	58.6	68.2	-9.6	PK
H	5350.00	43.44	46.55	12.65	35.87	45.41	54	-8.59	AV
H	5364.00	56.85	46.58	12.67	35.93	58.87	68.2	-9.33	PK
H	5364.00	43.06	46.58	12.67	35.93	45.08	54	-8.92	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5500									
V	5460.00	51.18	47.36	13.18	36.26	53.26	68.2	-14.94	PK
V	5460.00	41.83	47.36	13.18	36.26	43.91	54	-10.09	AV
V	5470.00	51.58	47.38	13.2	36.29	53.69	68.2	-14.51	PK
V	5470.00	41.46	47.38	13.2	36.29	43.57	54	-10.43	AV
H	5460.00	51.87	47.36	13.18	36.26	53.95	68.2	-14.25	PK
H	5460.00	41.74	47.36	13.18	36.26	43.82	54	-10.18	AV
H	5470.00	51.69	47.38	13.2	36.29	53.8	68.2	-14.4	PK
H	5470.00	41.25	47.38	13.2	36.29	43.36	54	-10.64	AV
operation frequency:5700									
V	5725.00	51.25	48.32	15.24	37.37	55.54	68.2	-12.66	PK
V	5725.00	40.63	48.32	15.24	37.37	44.92	54	-9.08	AV
V	5728.00	51.74	48.36	15.27	37.39	56.04	74	-17.96	PK
V	5728.00	41.28	48.36	15.27	37.39	45.58	54	-8.42	AV
H	5725.00	51.41	48.32	15.24	37.37	55.7	68.2	-12.5	PK
H	5725.00	41.36	48.32	15.24	37.37	45.65	54	-8.35	AV
H	5728.00	51.44	48.36	15.27	37.39	55.74	74	-18.26	PK
H	5728.00	41.19	48.36	15.27	37.39	45.49	54	-8.51	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	5150	52.52	49.12	15.33	37.41	56.14	74	-17.86	PK
V	5150	34.86	49.12	15.33	37.41	38.48	54	-15.52	AV
V	5145	51.27	49.19	15.28	40.46	57.82	74	-16.18	PK
V	5145	33.34	49.19	15.28	40.46	39.89	54	-14.11	AV
H	5150	52.59	49.12	15.33	37.41	56.21	74	-17.79	PK
H	5150	34.94	49.12	15.33	37.41	38.56	54	-15.44	AV
H	5145	50.43	49.19	15.28	40.46	56.98	74	-17.02	PK
H	5145	33.48	49.19	15.28	40.46	40.03	54	-13.97	AV
operation frequency:5240									
V	5350	53.52	49.13	15.32	37.46	57.17	74	-16.83	PK
V	5350	36.53	49.13	15.32	37.46	40.18	54	-13.82	AV
V	5370	50.58	49.24	15.36	40.51	57.21	74	-16.79	PK
V	5370	33.51	49.24	15.36	40.51	40.14	54	-13.86	AV
H	5350	53.69	49.13	15.32	31.31	51.19	74	-22.81	PK
H	5350	40.52	49.13	15.32	31.31	38.02	54	-15.98	AV
H	5370	51.33	49.24	15.36	40.51	57.96	74	-16.04	PK
H	5370	35.84	49.24	15.36	40.51	42.47	54	-11.53	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5260									
V	5132.00	51.13	46.38	12.43	35.65	52.83	68.2	-15.37	PK
V	5132.00	40.34	46.38	12.43	35.65	42.04	54	-11.96	AV
V	5150.00	51.08	46.56	12.47	35.76	52.75	68.2	-15.45	PK
V	5150.00	41.66	46.56	12.47	35.76	43.33	54	-10.67	AV
H	5132.00	51.85	46.38	12.43	35.65	53.55	68.2	-14.65	PK
H	5132.00	40.56	46.38	12.43	35.65	42.26	54	-11.74	AV
H	5150.00	51.74	46.56	12.47	35.76	53.41	68.2	-14.79	PK
H	5150.00	40.16	46.56	12.47	35.76	41.83	54	-12.17	AV
operation frequency:5320									
V	5350.00	55.85	46.55	12.65	35.87	57.82	68.2	-10.38	PK
V	5350.00	43.46	46.55	12.65	35.87	45.43	54	-8.57	AV
V	5364.00	55.54	46.58	12.67	35.93	57.56	68.2	-10.64	PK
V	5364.00	42.85	46.58	12.67	35.93	44.87	54	-9.13	AV
H	5350.00	55.63	46.55	12.65	35.87	57.6	68.2	-10.6	PK
H	5350.00	43.63	46.55	12.65	35.87	45.6	54	-8.4	AV
H	5364.00	55.88	46.58	12.67	35.93	57.9	68.2	-10.3	PK
H	5364.00	42.94	46.58	12.67	35.93	44.96	54	-9.04	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5500									
V	5460.00	51.52	47.36	13.18	36.26	53.6	68.2	-14.6	PK
V	5460.00	41.36	47.36	13.18	36.26	43.44	54	-10.56	AV
V	5470.00	51.14	47.38	13.2	36.29	53.25	68.2	-14.95	PK
V	5470.00	40.29	47.38	13.2	36.29	42.4	54	-11.6	AV
H	5460.00	51.65	47.36	13.18	36.26	53.73	68.2	-14.47	PK
H	5460.00	40.06	47.36	13.18	36.26	42.14	54	-11.86	AV
H	5470.00	51.37	47.38	13.2	36.29	53.48	68.2	-14.72	PK
H	5470.00	40.54	47.38	13.2	36.29	42.65	54	-11.35	AV
operation frequency:5700									
V	5725.00	51.63	48.32	15.24	37.37	55.92	68.2	-12.28	PK
V	5725.00	41.18	48.32	15.24	37.37	45.47	54	-8.53	AV
V	5728.00	51.56	48.36	15.27	37.39	55.86	74	-18.14	PK
V	5728.00	40.87	48.36	15.27	37.39	45.17	54	-8.83	AV
H	5725.00	51.06	48.32	15.24	37.37	55.35	68.2	-12.85	PK
H	5725.00	40.15	48.32	15.24	37.37	44.44	54	-9.56	AV
H	5728.00	51.39	48.36	15.27	37.39	55.69	74	-18.31	PK
H	5728.00	40.52	48.36	15.27	37.39	44.82	54	-9.18	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ax HT20

We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency (MHz)	Meter Reading (dBUV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector Type
operation frequency:5180									
V	5150	52.25	49.12	15.6	37.39	56.12	74	-17.88	PK
V	5150	35.76	49.12	15.6	37.39	39.63	54	-14.37	AV
V	5145	51.57	49.19	15.24	40.45	58.07	74	-15.93	PK
V	5145	34.52	49.19	15.24	40.45	41.02	54	-12.98	AV
H	5150	52.63	49.12	15.6	37.39	56.5	74	-17.5	PK
H	5150	34.18	49.12	15.6	37.39	38.05	54	-15.95	AV
H	5145	50.63	49.19	15.24	40.45	57.13	74	-16.87	PK
H	5145	35.78	49.19	15.24	40.45	42.28	54	-11.72	AV
operation frequency:5240									
V	5350	53.25	49.13	15.34	37.46	56.92	74	-17.08	PK
V	5350	37.96	49.13	15.34	37.46	41.63	54	-12.37	AV
V	5370	50.84	49.24	15.35	40.51	57.46	74	-16.54	PK
V	5370	36.29	49.24	15.35	40.51	42.91	54	-11.09	AV
H	5350	54.85	49.13	15.34	31.31	52.37	74	-21.63	PK
H	5350	41.63	49.13	15.34	31.31	39.15	54	-14.85	AV
H	5370	52.65	49.24	15.35	40.51	59.27	74	-14.73	PK
H	5370	36.74	49.24	15.35	40.51	43.36	54	-10.64	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5260									
V	5132.00	51.46	46.38	12.43	35.65	53.16	68.2	-15.04	PK
V	5132.00	40.07	46.38	12.43	35.65	41.77	54	-12.23	AV
V	5150.00	51.66	46.56	12.47	35.76	53.33	68.2	-14.87	PK
V	5150.00	40.34	46.56	12.47	35.76	42.01	54	-11.99	AV
H	5132.00	51.18	46.38	12.43	35.65	52.88	68.2	-15.32	PK
H	5132.00	40.63	46.38	12.43	35.65	42.33	54	-11.67	AV
H	5150.00	51.28	46.56	12.47	35.76	52.95	68.2	-15.25	PK
H	5150.00	40.86	46.56	12.47	35.76	42.53	54	-11.47	AV
operation frequency:5320									
V	5350.00	55.54	46.55	12.65	35.87	57.51	68.2	-10.69	PK
V	5350.00	43.13	46.55	12.65	35.87	45.1	54	-8.9	AV
V	5364.00	56.85	46.58	12.67	35.93	58.87	68.2	-9.33	PK
V	5364.00	42.14	46.58	12.67	35.93	44.16	54	-9.84	AV
H	5350.00	56.03	46.55	12.65	35.87	58	68.2	-10.2	PK
H	5350.00	43.37	46.55	12.65	35.87	45.34	54	-8.66	AV
H	5364.00	56.44	46.58	12.67	35.93	58.46	68.2	-9.74	PK
H	5364.00	43.96	46.58	12.67	35.93	45.98	54	-8.02	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5500									
V	5460.00	50.52	47.36	13.18	36.26	52.6	68.2	-15.6	PK
V	5460.00	41.43	47.36	13.18	36.26	43.51	54	-10.49	AV
V	5470.00	51.85	47.38	13.2	36.29	53.96	68.2	-14.24	PK
V	5470.00	40.96	47.38	13.2	36.29	43.07	54	-10.93	AV
H	5460.00	51.27	47.36	13.18	36.26	53.35	68.2	-14.85	PK
H	5460.00	41.76	47.36	13.18	36.26	43.84	54	-10.16	AV
H	5470.00	50.94	47.38	13.2	36.29	53.05	68.2	-15.15	PK
H	5470.00	40.52	47.38	13.2	36.29	42.63	54	-11.37	AV
operation frequency:5700									
V	5725.00	51.36	48.32	15.24	37.37	55.65	68.2	-12.55	PK
V	5725.00	40.84	48.32	15.24	37.37	45.13	54	-8.87	AV
V	5728.00	51.96	48.36	15.27	37.39	56.26	74	-17.74	PK
V	5728.00	41.54	48.36	15.27	37.39	45.84	54	-8.16	AV
H	5725.00	51.52	48.32	15.24	37.37	55.81	68.2	-12.39	PK
H	5725.00	40.65	48.32	15.24	37.37	44.94	54	-9.06	AV
H	5728.00	50.96	48.36	15.27	37.39	55.26	74	-18.74	PK
H	5728.00	40.74	48.36	15.27	37.39	45.04	54	-8.96	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11n HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test all antennas's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5190									
V	5150	52.66	49.12	15.32	37.41	56.27	74	-17.73	PK
V	5150	37.25	49.12	15.32	37.41	40.86	54	-13.14	AV
V	5145	52.16	49.19	15.36	40.46	58.79	74	-15.21	PK
V	5145	36.41	49.19	15.36	40.46	43.04	54	-10.96	AV
H	5150	52.67	49.12	15.32	37.41	56.28	74	-17.72	PK
H	5150	37.66	49.12	15.32	37.41	41.27	54	-12.73	AV
H	5145	51.95	49.19	15.36	40.46	58.58	74	-15.42	PK
H	5145	36.53	49.19	15.36	40.46	43.16	54	-10.84	AV
operation frequency:5230									
V	5350	54.38	49.13	15.34	37.34	57.93	74	-16.07	PK
V	5350	36.24	49.13	15.34	37.34	39.79	54	-14.21	AV
V	5370	51.66	49.24	15.35	40.43	58.2	74	-15.8	PK
V	5370	36.98	49.24	15.35	40.43	43.52	54	-10.48	AV
H	5350	54.63	49.13	15.34	37.34	58.18	74	-15.82	PK
H	5350	41.47	49.13	15.34	37.34	45.02	54	-8.98	AV
H	5370	50.66	49.24	15.35	40.43	57.2	74	-16.8	PK
H	5370	35.52	49.24	15.35	40.43	42.06	54	-11.94	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5270									
V	5132.00	51.03	46.38	12.43	35.65	52.73	68.2	-15.47	PK
V	5132.00	40.85	46.38	12.43	35.65	42.55	54	-11.45	AV
V	5150.00	51.51	46.56	12.47	35.76	53.18	68.2	-15.02	PK
V	5150.00	40.96	46.56	12.47	35.76	42.63	54	-11.37	AV
H	5132.00	50.94	46.38	12.43	35.65	52.64	68.2	-15.56	PK
H	5132.00	40.38	46.38	12.43	35.65	42.08	54	-11.92	AV
H	5150.00	51.96	46.56	12.47	35.76	53.63	68.2	-14.57	PK
H	5150.00	40.24	46.56	12.47	35.76	41.91	54	-12.09	AV
operation frequency:5310									
V	5350.00	55.63	46.55	12.65	35.87	57.6	68.2	-10.6	PK
V	5350.00	42.41	46.55	12.65	35.87	44.38	54	-9.62	AV
V	5364.00	55.36	46.58	12.67	35.93	57.38	68.2	-10.82	PK
V	5364.00	42.38	46.58	12.67	35.93	44.4	54	-9.6	AV
H	5350.00	55.63	46.55	12.65	35.87	57.6	68.2	-10.6	PK
H	5350.00	42.84	46.55	12.65	35.87	44.81	54	-9.19	AV
H	5364.00	55.67	46.58	12.67	35.93	57.69	68.2	-10.51	PK
H	5364.00	42.49	46.58	12.67	35.93	44.51	54	-9.49	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	5460.00	50.14	47.36	13.18	36.26	52.22	68.2	-15.98	PK
V	5460.00	40.39	47.36	13.18	36.26	42.47	54	-11.53	AV
V	5470.00	51.44	47.38	13.2	36.29	53.55	68.2	-14.65	PK
V	5470.00	41.38	47.38	13.2	36.29	43.49	54	-10.51	AV
H	5460.00	51.63	47.36	13.18	36.26	53.71	68.2	-14.49	PK
H	5460.00	41.54	47.36	13.18	36.26	43.62	54	-10.38	AV
H	5470.00	51.96	47.38	13.2	36.29	54.07	68.2	-14.13	PK
H	5470.00	40.52	47.38	13.2	36.29	42.63	54	-11.37	AV
operation frequency:5670									
V	5725.00	50.96	48.32	15.24	37.37	55.25	68.2	-12.95	PK
V	5725.00	41.78	48.32	15.24	37.37	46.07	54	-7.93	AV
V	5728.00	51.86	48.36	15.27	37.39	56.16	74	-17.84	PK
V	5728.00	41.24	48.36	15.27	37.39	45.54	54	-8.46	AV
H	5725.00	50.99	48.32	15.24	37.37	55.28	68.2	-12.92	PK
H	5725.00	40.52	48.32	15.24	37.37	44.81	54	-9.19	AV
H	5728.00	51.46	48.36	15.27	37.39	55.76	74	-18.24	PK
H	5728.00	40.74	48.36	15.27	37.39	45.04	54	-8.96	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



802.11ac HT40

We test all antenna's data, the data only show the mode 6 worst mode.

We test an antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5190									
V	5150	52.66	49.13	15.32	37.48	56.33	74	-17.67	PK
V	5150	35.37	49.13	15.32	37.48	39.04	54	-14.96	AV
V	5145	51.84	49.24	15.36	40.42	58.38	74	-15.62	PK
V	5145	35.36	49.24	15.36	40.42	41.9	54	-12.1	AV
H	5150	52.85	49.13	15.32	37.48	56.52	74	-17.48	PK
H	5150	36.24	49.13	15.32	37.48	39.91	54	-14.09	AV
H	5145	50.63	49.24	15.36	40.42	57.17	74	-16.83	PK
H	5145	35.97	49.24	15.36	40.42	42.51	54	-11.49	AV
operation frequency:5230									
V	5350	54.28	49.13	15.34	37.34	57.83	74	-16.17	PK
V	5350	36.63	49.13	15.34	37.34	40.18	54	-13.82	AV
V	5370	51.14	49.24	15.35	40.43	57.68	74	-16.32	PK
V	5370	36.55	49.24	15.35	40.43	43.09	54	-10.91	AV
H	5350	54.39	49.13	15.34	37.34	57.94	74	-16.06	PK
H	5350	41.54	49.13	15.34	37.34	45.09	54	-8.91	AV
H	5370	50.36	49.24	15.35	40.43	56.9	74	-17.1	PK
H	5370	35.41	49.24	15.35	40.43	41.95	54	-12.05	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5270									
V	5132.00	51.36	46.38	12.43	35.65	53.06	68.2	-15.14	PK
V	5132.00	40.74	46.38	12.43	35.65	42.44	54	-11.56	AV
V	5150.00	51.26	46.56	12.47	35.76	52.93	68.2	-15.27	PK
V	5150.00	40.98	46.56	12.47	35.76	42.65	54	-11.35	AV
H	5132.00	51.66	46.38	12.43	35.65	53.36	68.2	-14.84	PK
H	5132.00	40.98	46.38	12.43	35.65	42.68	54	-11.32	AV
H	5150.00	51.53	46.56	12.47	35.76	53.2	68.2	-15	PK
H	5150.00	40.74	46.56	12.47	35.76	42.41	54	-11.59	AV
operation frequency:5310									
V	5350.00	56.63	46.55	12.65	35.87	58.6	68.2	-9.6	PK
V	5350.00	43.52	46.55	12.65	35.87	45.49	54	-8.51	AV
V	5364.00	56.36	46.58	12.67	35.93	58.38	68.2	-9.82	PK
V	5364.00	43.84	46.58	12.67	35.93	45.86	54	-8.14	AV
H	5350.00	55.37	46.55	12.65	35.87	57.34	68.2	-10.86	PK
H	5350.00	42.63	46.55	12.65	35.87	44.6	54	-9.4	AV
H	5364.00	55.35	46.58	12.67	35.93	57.37	68.2	-10.83	PK
H	5364.00	42.63	46.58	12.67	35.93	44.65	54	-9.35	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	5460.00	51.52	47.36	13.18	36.26	53.6	68.2	-14.6	PK
V	5460.00	41.89	47.36	13.18	36.26	43.97	54	-10.03	AV
V	5470.00	51.52	47.38	13.2	36.29	53.63	68.2	-14.57	PK
V	5470.00	41.81	47.38	13.2	36.29	43.92	54	-10.08	AV
H	5460.00	51.96	47.36	13.18	36.26	54.04	68.2	-14.16	PK
H	5460.00	41.04	47.36	13.18	36.26	43.12	54	-10.88	AV
H	5470.00	51.29	47.38	13.2	36.29	53.4	68.2	-14.8	PK
H	5470.00	40.74	47.38	13.2	36.29	42.85	54	-11.15	AV
operation frequency:5670									
V	5725.00	51.36	48.32	15.24	37.37	55.65	68.2	-12.55	PK
V	5725.00	41.85	48.32	15.24	37.37	46.14	54	-7.86	AV
V	5728.00	51.46	48.36	15.27	37.39	55.76	74	-18.24	PK
V	5728.00	41.77	48.36	15.27	37.39	46.07	54	-7.93	AV
H	5725.00	51.54	48.32	15.24	37.37	55.83	68.2	-12.37	PK
H	5725.00	40.23	48.32	15.24	37.37	44.52	54	-9.48	AV
H	5728.00	51.19	48.36	15.27	37.39	55.49	74	-18.51	PK
H	5728.00	40.58	48.36	15.27	37.39	44.88	54	-9.12	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



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We test all antenna's data, the data only show the mode 6 worst mode.

We test all antenna's data, the data only show the mode 0 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5190									
V	5150	54.69	49.13	15.34	37.34	58.24	74	-15.76	PK
V	5150	36.52	49.13	15.34	37.34	40.07	54	-13.93	AV
V	5145	51.63	49.24	15.35	40.43	58.17	74	-15.83	PK
V	5145	36.14	49.24	15.35	40.43	42.68	54	-11.32	AV
H	5150	54.36	49.13	15.34	37.34	57.91	74	-16.09	PK
H	5150	41.85	49.13	15.34	37.34	45.4	54	-8.6	AV
H	5145	50.14	49.24	15.35	40.43	56.68	74	-17.32	PK
H	5145	35.63	49.24	15.35	40.43	42.17	54	-11.83	AV
operation frequency:5230									
V	5350	52.14	49.13	15.32	37.48	55.81	74	-18.19	PK
V	5350	35.24	49.13	15.32	37.48	38.91	54	-15.09	AV
V	5370	51.56	49.24	15.36	40.42	58.1	74	-15.9	PK
V	5370	35.14	49.24	15.36	40.42	41.68	54	-12.32	AV
H	5350	52.88	49.13	15.32	37.48	56.55	74	-17.45	PK
H	5350	36.63	49.13	15.32	37.48	40.3	54	-13.7	AV
H	5370	50.14	49.24	15.36	40.42	56.68	74	-17.32	PK
H	5370	35.63	49.24	15.36	40.42	42.17	54	-11.83	AV
Remark:									
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit									
2. If peak below the average limit, the average emission was no test.									
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
operation frequency:5270									
V	5132.00	51.63	46.38	12.43	35.65	53.33	68.2	-14.87	PK
V	5132.00	40.14	46.38	12.43	35.65	41.84	54	-12.16	AV
V	5150.00	51.63	46.56	12.47	35.76	53.3	68.2	-14.9	PK
V	5150.00	40.85	46.56	12.47	35.76	42.52	54	-11.48	AV
H	5132.00	51.26	46.38	12.43	35.65	52.96	68.2	-15.24	PK
H	5132.00	40.14	46.38	12.43	35.65	41.84	54	-12.16	AV
H	5150.00	51.13	46.56	12.47	35.76	52.8	68.2	-15.4	PK
H	5150.00	40.44	46.56	12.47	35.76	42.11	54	-11.89	AV
operation frequency:5310									
V	5350.00	55.25	46.55	12.65	35.87	57.22	68.2	-10.98	PK
V	5350.00	42.79	46.55	12.65	35.87	44.76	54	-9.24	AV
V	5364.00	54.41	46.58	12.67	35.93	56.43	68.2	-11.77	PK
V	5364.00	42.59	46.58	12.67	35.93	44.61	54	-9.39	AV
H	5350.00	55.97	46.55	12.65	35.87	57.94	68.2	-10.26	PK
H	5350.00	43.04	46.55	12.65	35.87	45.01	54	-8.99	AV
H	5364.00	55.99	46.58	12.67	35.93	58.01	68.2	-10.19	PK
H	5364.00	42.24	46.58	12.67	35.93	44.26	54	-9.74	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5510									
V	5460.00	51.63	47.36	13.18	36.26	53.71	68.2	-14.49	PK
V	5460.00	41.14	47.36	13.18	36.26	43.22	54	-10.78	AV
V	5470.00	51.63	47.38	13.2	36.29	53.74	68.2	-14.46	PK
V	5470.00	40.58	47.38	13.2	36.29	42.69	54	-11.31	AV
H	5460.00	51.74	47.36	13.18	36.26	53.82	68.2	-14.38	PK
H	5460.00	40.73	47.36	13.18	36.26	42.81	54	-11.19	AV
H	5470.00	51.87	47.38	13.2	36.29	53.98	68.2	-14.22	PK
H	5470.00	41.49	47.38	13.2	36.29	43.6	54	-10.4	AV
operation frequency:5670									
V	5725.00	51.19	48.32	15.24	37.37	55.48	68.2	-12.72	PK
V	5725.00	40.52	48.32	15.24	37.37	44.81	54	-9.19	AV
V	5728.00	51.06	48.36	15.27	37.39	55.36	74	-18.64	PK
V	5728.00	40.44	48.36	15.27	37.39	44.74	54	-9.26	AV
H	5725.00	51.19	48.32	15.24	37.37	55.48	68.2	-12.72	PK
H	5725.00	40.25	48.32	15.24	37.37	44.54	54	-9.46	AV
H	5728.00	51.79	48.36	15.27	37.39	56.09	74	-17.91	PK
H	5728.00	40.24	48.36	15.27	37.39	44.54	54	-9.46	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



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We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5210									
V	5150	53.35	49.12	15.6	37.34	57.17	74	-16.83	PK
V	5150	39.52	49.12	15.6	37.34	43.34	54	-10.66	AV
V	5145	54.36	49.19	15.24	40.43	60.84	74	-13.16	PK
V	5145	36.54	49.19	15.24	40.43	43.02	54	-10.98	AV
H	5150	52.56	49.12	15.6	37.34	56.38	74	-17.62	PK
H	5150	37.54	49.12	15.6	37.34	41.36	54	-12.64	AV
H	5145	54.58	49.19	15.24	40.43	61.06	74	-12.94	PK
H	5145	33.63	49.19	15.24	40.43	40.11	54	-13.89	AV
operation frequency:5210									
V	5350	53.21	49.13	15.32	37.46	56.86	74	-17.14	PK
V	5350	35.52	49.13	15.32	37.46	39.17	54	-14.83	AV
V	5370	53.36	49.24	15.36	40.51	59.99	74	-14.01	PK
V	5370	32.21	49.24	15.36	40.51	38.84	54	-15.16	AV
H	5350	52.52	49.13	15.32	31.31	50.02	74	-23.98	PK
H	5350	40.66	49.13	15.32	31.31	38.16	54	-15.84	AV
H	5370	52.14	49.24	15.36	40.51	58.77	74	-15.23	PK
H	5370	32.39	49.24	15.36	40.51	39.02	54	-14.98	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5290									
V	5132.00	51.12	46.38	12.43	35.65	52.82	68.2	-15.38	PK
V	5132.00	40.13	46.38	12.43	35.65	41.83	54	-12.17	AV
V	5150.00	51.38	46.56	12.47	35.76	53.05	68.2	-15.15	PK
V	5150.00	40.66	46.56	12.47	35.76	42.33	54	-11.67	AV
H	5132.00	51.11	46.38	12.43	35.65	52.81	68.2	-15.39	PK
H	5132.00	40.58	46.38	12.43	35.65	42.28	54	-11.72	AV
H	5150.00	51.13	46.56	12.47	35.76	52.8	68.2	-15.4	PK
H	5150.00	40.97	46.56	12.47	35.76	42.64	54	-11.36	AV
operation frequency:5290									
V	5350.00	56.56	46.55	12.65	35.87	58.53	68.2	-9.67	PK
V	5350.00	42.52	46.55	12.65	35.87	44.49	54	-9.51	AV
V	5364.00	56.43	46.58	12.67	35.93	58.45	68.2	-9.75	PK
V	5364.00	42.34	46.58	12.67	35.93	44.36	54	-9.64	AV
H	5350.00	56.56	46.55	12.65	35.87	58.53	68.2	-9.67	PK
H	5350.00	42.85	46.55	12.65	35.87	44.82	54	-9.18	AV
H	5364.00	55.43	46.58	12.67	35.93	57.45	68.2	-10.75	PK
H	5364.00	42.41	46.58	12.67	35.93	44.43	54	-9.57	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5530									
V	5460.00	51.35	47.36	13.18	36.26	53.43	68.2	-14.77	PK
V	5460.00	41.41	47.36	13.18	36.26	43.49	54	-10.51	AV
V	5470.00	51.88	47.38	13.2	36.29	53.99	68.2	-14.21	PK
V	5470.00	41.43	47.38	13.2	36.29	43.54	54	-10.46	AV
H	5460.00	51.48	47.36	13.18	36.26	53.56	68.2	-14.64	PK
H	5460.00	41.81	47.36	13.18	36.26	43.89	54	-10.11	AV
H	5470.00	51.33	47.38	13.2	36.29	53.44	68.2	-14.76	PK
H	5470.00	41.88	47.38	13.2	36.29	43.99	54	-10.01	AV
operation frequency:5530									
V	5725.00	51.63	48.32	15.24	37.37	55.92	68.2	-12.28	PK
V	5725.00	40.14	48.32	15.24	37.37	44.43	54	-9.57	AV
V	5728.00	51.75	48.36	15.27	37.39	56.05	74	-17.95	PK
V	5728.00	41.66	48.36	15.27	37.39	45.96	54	-8.04	AV
H	5725.00	51.48	48.32	15.24	37.37	55.77	68.2	-12.43	PK
H	5725.00	41.94	48.32	15.24	37.37	46.23	54	-7.77	AV
H	5728.00	51.46	48.36	15.27	37.39	55.76	74	-18.24	PK
H	5728.00	41.38	48.36	15.27	37.39	45.68	54	-8.32	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



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We test all antenna's data, the data only show the mode 6 worst mode.

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5210									
V	5150	51.52	49.12	15.6	37.34	55.34	74	-18.66	PK
V	5150	33.21	49.12	15.6	37.34	37.03	54	-16.97	AV
V	5145	51.83	49.19	15.24	40.43	58.31	74	-15.69	PK
V	5145	33.85	49.19	15.24	40.43	40.33	54	-13.67	AV
H	5150	51.63	49.12	15.6	37.34	55.45	74	-18.55	PK
H	5150	33.31	49.12	15.6	37.34	37.13	54	-16.87	AV
H	5145	50.96	49.19	15.24	40.43	57.44	74	-16.56	PK
H	5145	32.25	49.19	15.24	40.43	38.73	54	-15.27	AV
operation frequency:5210									
V	5350	53.67	49.13	15.32	37.46	57.32	74	-16.68	PK
V	5350	34.63	49.13	15.32	37.46	38.28	54	-15.72	AV
V	5370	50.84	49.24	15.36	40.51	57.47	74	-16.53	PK
V	5370	33.21	49.24	15.36	40.51	39.84	54	-14.16	AV
H	5350	54.26	49.13	15.32	31.31	51.76	74	-22.24	PK
H	5350	36.74	49.13	15.32	31.31	34.24	54	-19.76	AV
H	5370	51.36	49.24	15.36	40.51	57.99	74	-16.01	PK
H	5370	33.81	49.24	15.36	40.51	40.44	54	-13.56	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5290									
V	5132.00	50.21	47.36	13.18	36.26	52.29	68.2	-15.91	PK
V	5132.00	40.86	47.36	13.18	36.26	42.94	54	-11.06	AV
V	5150.00	51.85	47.38	13.2	36.29	53.96	68.2	-14.24	PK
V	5150.00	41.13	47.38	13.2	36.29	43.24	54	-10.76	AV
H	5132.00	51.55	47.36	13.18	36.26	53.63	68.2	-14.57	PK
H	5132.00	41.73	47.36	13.18	36.26	43.81	54	-10.19	AV
H	5150.00	51.37	47.38	13.2	36.29	53.48	68.2	-14.72	PK
H	5150.00	40.43	47.38	13.2	36.29	42.54	54	-11.46	AV
operation frequency:5290									
V	5350.00	51.65	48.32	15.24	37.37	55.94	68.2	-12.26	PK
V	5350.00	40.68	48.32	15.24	37.37	44.97	54	-9.03	AV
V	5364.00	51.53	48.36	15.27	37.39	55.83	74	-18.17	PK
V	5364.00	41.94	48.36	15.27	37.39	46.24	54	-7.76	AV
H	5350.00	51.78	48.32	15.24	37.37	56.07	68.2	-12.13	PK
H	5350.00	40.36	48.32	15.24	37.37	44.65	54	-9.35	AV
H	5364.00	50.21	48.36	15.27	37.39	54.51	74	-19.49	PK
H	5364.00	40.58	48.36	15.27	37.39	44.88	54	-9.12	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
operation frequency:5530									
V	5460.00	51.12	47.36	13.18	36.26	53.2	68.2	-15	PK
V	5460.00	41.48	47.36	13.18	36.26	43.56	54	-10.44	AV
V	5470.00	51.83	47.38	13.2	36.29	53.94	68.2	-14.26	PK
V	5470.00	41.48	47.38	13.2	36.29	43.59	54	-10.41	AV
H	5460.00	51.44	47.36	13.18	36.26	53.52	68.2	-14.68	PK
H	5460.00	41.86	47.36	13.18	36.26	43.94	54	-10.06	AV
H	5470.00	51.31	47.38	13.2	36.29	53.42	68.2	-14.78	PK
H	5470.00	41.74	47.38	13.2	36.29	43.85	54	-10.15	AV
operation frequency:5530									
V	5725.00	51.66	48.32	15.24	37.37	55.95	68.2	-12.25	PK
V	5725.00	40.18	48.32	15.24	37.37	44.47	54	-9.53	AV
V	5728.00	51.73	48.36	15.27	37.39	56.03	74	-17.97	PK
V	5728.00	41.41	48.36	15.27	37.39	45.71	54	-8.29	AV
H	5725.00	51.43	48.32	15.24	37.37	55.72	68.2	-12.48	PK
H	5725.00	41.98	48.32	15.24	37.37	46.27	54	-7.73	AV
H	5728.00	51.43	48.36	15.27	37.39	55.73	74	-18.27	PK
H	5728.00	41.37	48.36	15.27	37.39	45.67	54	-8.33	AV
Remark: 1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit 2. If peak below the average limit, the average emission was no test. 3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.									



4. POWER SPECTRAL DENSITY TEST

4.1 LIMIT

1. For mobile and portable client devices in the 5.15-5.25 GHz band, , the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500kHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2 TEST PROCEDURE

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

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

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

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

4.3 DEVIATION FROM STANDARD

No deviation.



4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

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

4.6 TEST RESULTS

For the measurement records, refer to the appendix I.



5. BANDWIDTH MEASUREMENT

5.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT

The following procedure shall be used for measuring 26 bandwidth.

5.1.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW $\geq$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 TEST RESULTS

For the measurement records, refer to the appendix I.



5.2 OCCUPIED BANDWIDTH (99%) TEST APPLIED PROCEDURES / LIMIT

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

5.2.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

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

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

5.2.2 DEVIATION FROM STANDARD

No deviation.

5.2.3 TEST SETUP



5.2.4 EUT OPERATION CONDITIONS

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

5.2.5 TEST RESULTS

For the measurement records, refer to the appendix I.



5.3 MINIMUM EMISSION BANDWIDTH(6 DB) PROCEDURES / LIMIT

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth.

5.3.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.
 - a) Set RBW = 100 kHz.
 - b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
 - c) Detector = Peak.
 - d) Trace mode = max hold.
 - e) Sweep = auto couple.
 - f) Allow the trace to stabilize.
 - g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.3.2 DEVIATION FROM STANDARD

No deviation.

5.3.3 TEST SETUP



5.3.4 EUT OPERATION CONDITIONS

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

5.3.5 TEST RESULTS

For the measurement records, refer to the appendix I.



6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 LIMIT

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz, If transmitting antennas of directional gain greater than 6 dBi are used.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used.

FCC Part15 (15.407) , Subpart E				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.407(a) (1) (iv)	Output Power	0.25 watt	5150-5250	PASS
		The lesser of 250 mW or $11 \text{ dBm} + 10 \log (26 \text{ dB emission bandwidth})$	5250-5350 5470-5725	
15.407(a) (3)		1 watt	5725-5825	

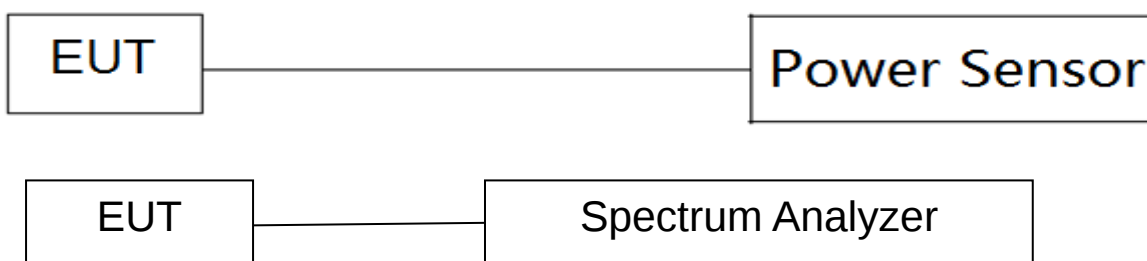
6.2 TEST PROCEDURE

The EUT was directly connected to the Power Sensor&PC

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

For the measurement records, refer to the appendix I.



7. AUTOMATICALLY DISCONTINUE TRANSMISSION

7.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

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

7.2 TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission



8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

Part 15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

The EUT antenna is Internal Antenna. It comply with the standard requirement.

9. TEST SEUUP PHOTO

Reference to the appendix II for details.

10. EUT PHOTO

Reference to the appendix III for details.

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