

TEST REPORT

Report No.: BCTC2504402194-3E

Applicant: Shenzhen Chiptrip technology Co., Ltd.

Product Name: Projector

Test Model: XT70

Tested Date: 2025-07-25 to 2025-08-18

Issued Date: 2025-08-18

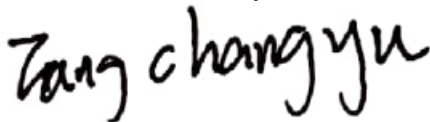
Shenzhen BCTC Testing Co., Ltd.



FCC ID:2AHRV-XT70

Product Name: Projector
Trademark: N/A
Model/Type reference: XT70
XT50, XT80, XT60, XT90, XT100, XT200, XT300, XT550, XT110
Prepared For: Shenzhen Chiptrip technology Co., Ltd.
Address: 8F,VIA BUILDING,NO.9966,SHENNAN BOULEVARD, NANSHAN DISTRICT,
SHENZHEN, China
Manufacturer: Shenzhen Chiptrip technology Co., Ltd.
Address: 8F,VIA BUILDING,NO.9966,SHENNAN BOULEVARD, NANSHAN DISTRICT,
SHENZHEN, China
Prepared By: Shenzhen BCTC Testing Co., Ltd.
Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng,
Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date: 2025-07-25
Sample tested Date: 2025-07-25 to 2025-08-18
Issue Date: 2025-08-18
Report No.: BCTC2504402194-3E
Test Standards: FCC Part15 15.407
ANSI C63.10-2013
KDB 789033 D02 v02r01
Test Results: PASS

Tested by:



Tang Changyu/ Project Handler

Approved by:



Zero Zhou/Reviewer

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2504402194-3E	2025-08-18	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a), 15.407 (b)(1) 15.407 (b)(4) 15.407 (b)(8)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 (a)(12) 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 (a)(1) 15.407 (a)(3)	PASS
6	Band Edge	2.1051, 15.407(b)(1) 15.407(b)(4)	PASS
7	Power Spectral Density	15.407 (a)(1) 15.407 (a)(3)	PASS
8	Spurious Emissions at Antenna Terminals	2.1051, 15.407(b)	PASS
9	Antenna Requirement	15.203	PASS

3. Measurement Uncertainty

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

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

4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	XT70 XT50, XT80, XT60, XT90, XT100, XT200, XT300, XT550, XT110
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax(40MHz channel bandwidth) 5180-5240MHz for 802.11a/n/ac(HT20)/ax(HT20); 5190-5230MHz for 802.11n/ac(HT40)/ax(HT40); 5745-5825 MHz for 802.11a/n/ac(HT20)/ax(HT20); 5755-5795 MHz for 802.11n/ac(HT40)/ax(HT40);
Operation Frequency:	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac/ax(VHT20): NSS1, MCS0-MCS8 802.11acax(VHT40):NSS1, MCS0-MCS9
Data Rate	OFDM/OFDMA
Type of Modulation:	4 channels for 802.11a/n20/ax20 in the 5180-5240MHz band ; 2 channels for 802.11 n40/ax40 in the 5190-5230MHz band ; 5 channels for 802.11a/n20/ax20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ax40 in the 5755-5795MHz band ;
Number Of Channel	Internal antenna 5.1G: 2.8 dBi 5.8G: 3.4 dBi
Antenna installation:	Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.
Antenna Gain:	DC 21V From Adapter
Ratings:	Manufacture: SHENZHEN RUN SHENG FENG POWER TECHNOLOGY CO., LTD Model No.: RSF-DY113B-2103000US
Adapter Information:	Input: AC 100-240V 50/60Hz 1.5A Output: DC 21V 3A

4.2 Test Setup Configuration

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

4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Projector	N/A	XT70	N/A	EUT
E-2	Adapter	N/A	RSF-DY113B-21 03000US	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	0M	DC cable unshielded

Notes:

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

4.4 Channel List

5.1G

802.11a/n/ac (20MHz)/ ax (20MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220	-	-	-	-
40	5200	48	5240	-	-	-	-

802.11n /ac(40MHz)/ ax(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

5.8G

802.11a/n/ac(20 MHz)/ ax(20 MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

802.11n/ac 40MHz/ ax 40MHz Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795	-	-

4.5 Test Mode

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

Pretest Mode	Description
Mode 1	802.11a / n/ ac 20/ax 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20/ax 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40/ax 40 CH38/ CH 46 802.11n/ ac40/ax 40 CH 151 / CH 159
Mode 3	WIFI Linking+BT Linking+USB+Earphone+HDMI Input

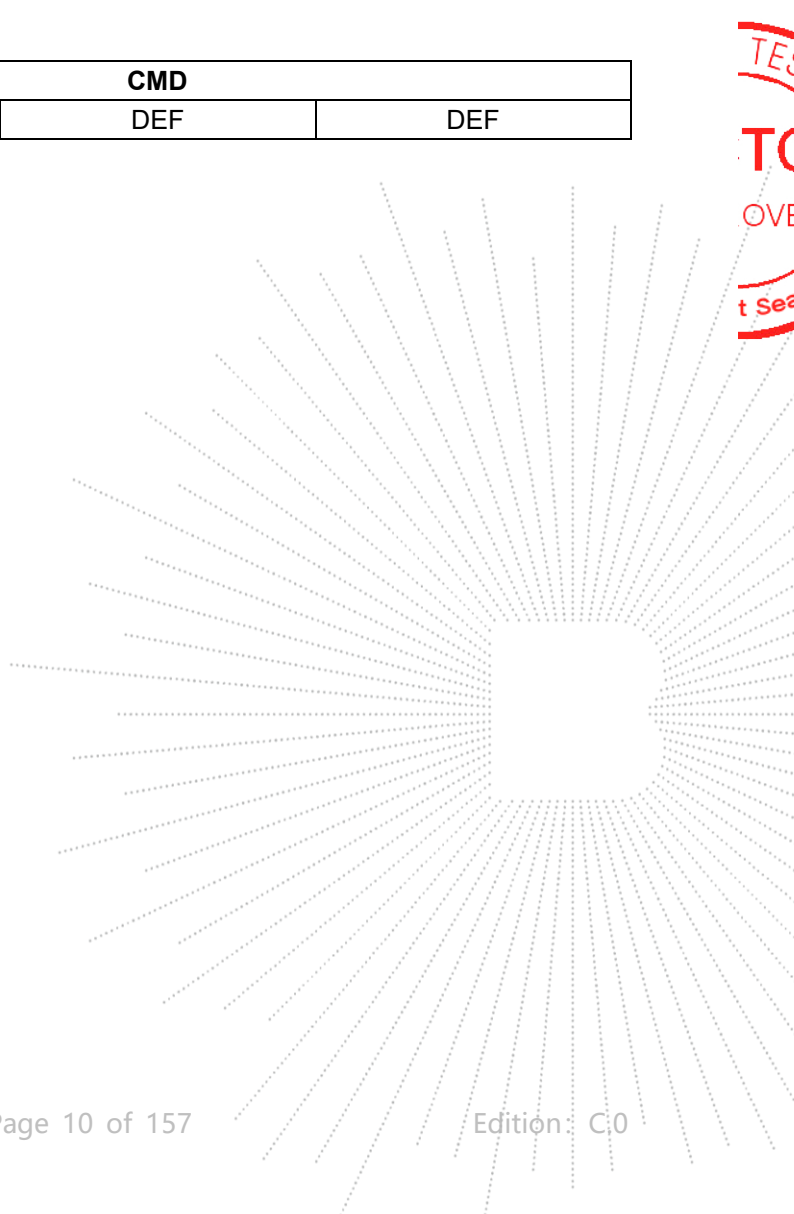
Note:

1. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
2. This prototype does not support RU mode

4.6 Table Of Parameters Of Text Software Setting

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

Test software Version	CMD		
Parameters	DEF	DEF	DEF



5. Test Facility And Test Instrument Used

5.1 Test Facility

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

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 08, 2025	May 07, 2026
LISN	R&S	ENV216	101375	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 14, 2025	May 13, 2026

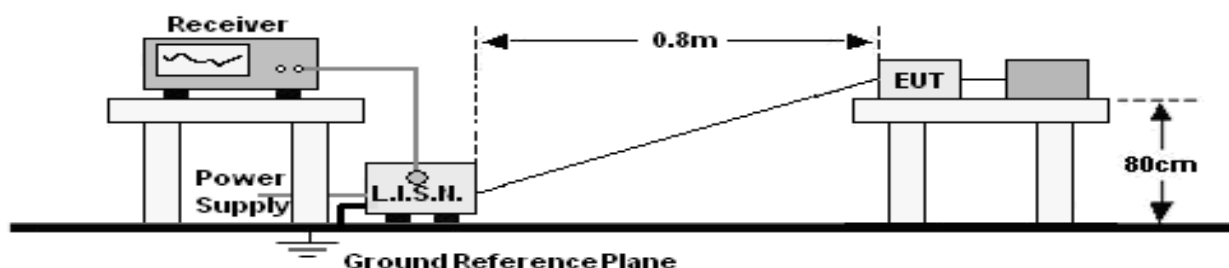
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 14, 2025	May 13, 2026
Power Sensor (AV)	Keysight	E9300A	\	May 14, 2025	May 13, 2026
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 14, 2025	May 13, 2026
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026
Radio frequency control box	MAIWEI	MW100-RFC B	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 08, 2025	May 07, 2026
Receiver	R&S	ESR3P	101154	May 14, 2025	May 13, 2026
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 14, 2025	May 13, 2026
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 24, 2025	May 23, 2026
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 24, 2025	May 23, 2026
Amplifier	SKET	LAPA_01G18 G-45dB	SK2021040901	May 14, 2025	May 13, 2026
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 24, 2025	May 23, 2026
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 24, 2025	May 23, 2026
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 24, 2025	May 23, 2026
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

CO. LTD.

6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

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

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

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

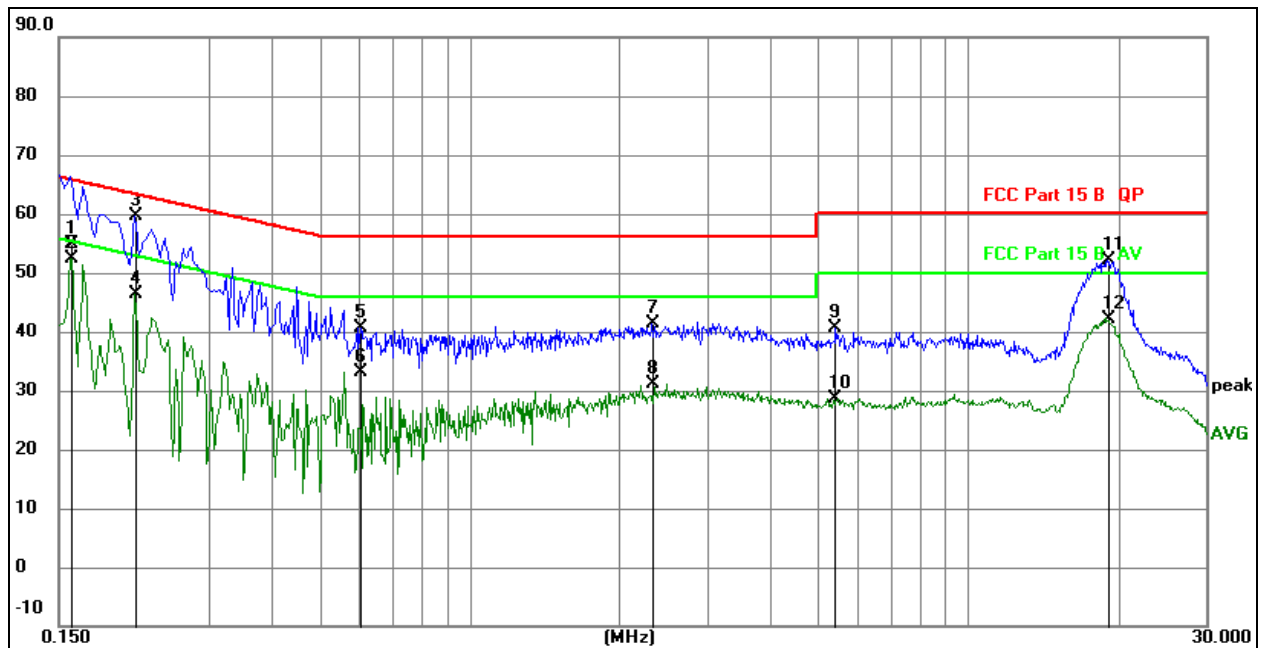
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak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

6.4 EUT Operating Conditions

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

6.5 Test Result

Temperature:	24 °C	Relative Humidity:	54 %
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 3	Test Voltage :	AC 120V/60Hz

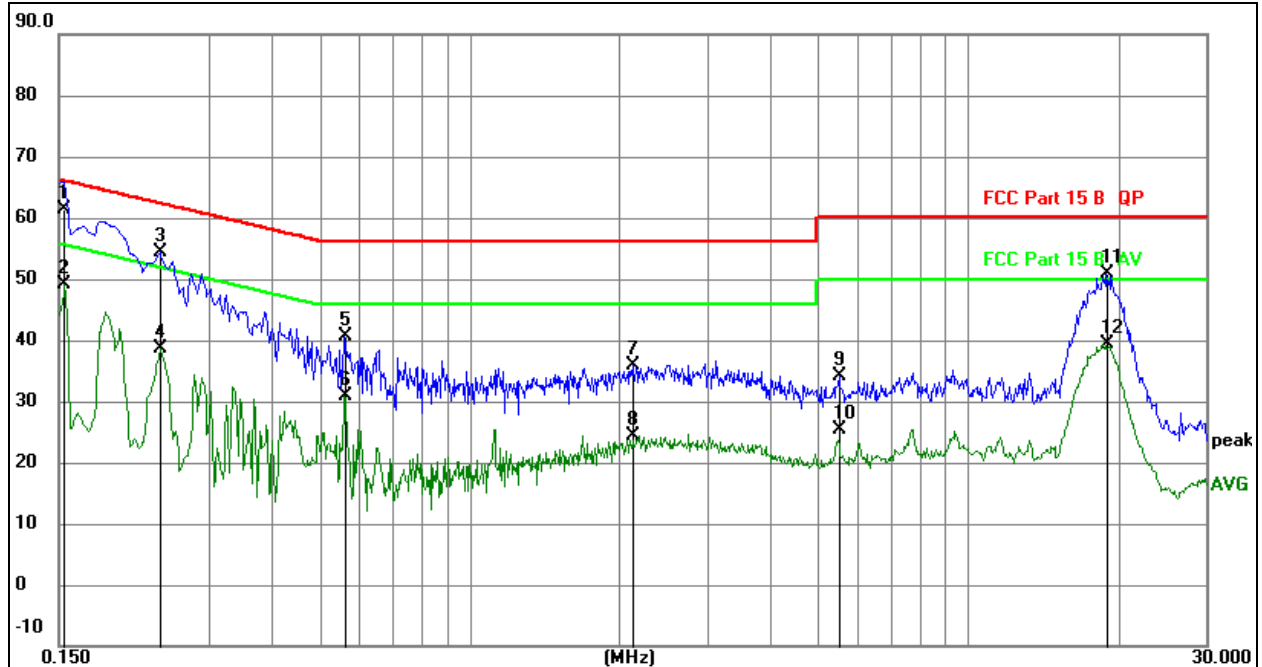


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1590	34.87	20.07	54.94	65.52	-10.58	QP
2	*	0.1590	32.24	20.07	52.31	55.52	-3.21	AVG
3		0.2128	39.46	20.07	59.53	63.10	-3.57	QP
4		0.2128	26.31	20.07	46.38	53.10	-6.72	AVG
5		0.6043	20.63	20.09	40.72	56.00	-15.28	QP
6		0.6043	12.94	20.09	33.03	46.00	-12.97	AVG
7		2.3213	21.25	20.11	41.36	56.00	-14.64	QP
8		2.3213	10.91	20.11	31.02	46.00	-14.98	AVG
9		5.4186	20.40	20.15	40.55	60.00	-19.45	QP
10		5.4186	8.50	20.15	28.65	50.00	-21.35	AVG
11		19.0210	31.80	20.33	52.13	60.00	-7.87	QP
12		19.0210	21.92	20.33	42.25	50.00	-7.75	AVG

Temperature:	24 °C	Relative Humidity:	54 %
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 3	Test Voltage :	AC 120V/60Hz



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over1 Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1539	41.43	20.07	61.50	65.79	-4.29	QP
2		0.1539	29.04	20.07	49.11	55.79	-6.68	AVG
3		0.2400	34.41	20.07	54.48	62.10	-7.62	QP
4		0.2400	18.47	20.07	38.54	52.10	-13.56	AVG
5		0.5639	20.48	20.08	40.56	56.00	-15.44	QP
6		0.5639	10.73	20.08	30.81	46.00	-15.19	AVG
7		2.1300	15.71	20.10	35.81	56.00	-20.19	QP
8		2.1300	4.25	20.10	24.35	46.00	-21.65	AVG
9		5.5185	14.01	20.15	34.16	60.00	-25.84	QP
10		5.5185	5.24	20.15	25.39	50.00	-24.61	AVG
11		18.9375	30.51	20.33	50.84	60.00	-9.16	QP
12		18.9375	19.04	20.33	39.37	50.00	-10.63	AVG

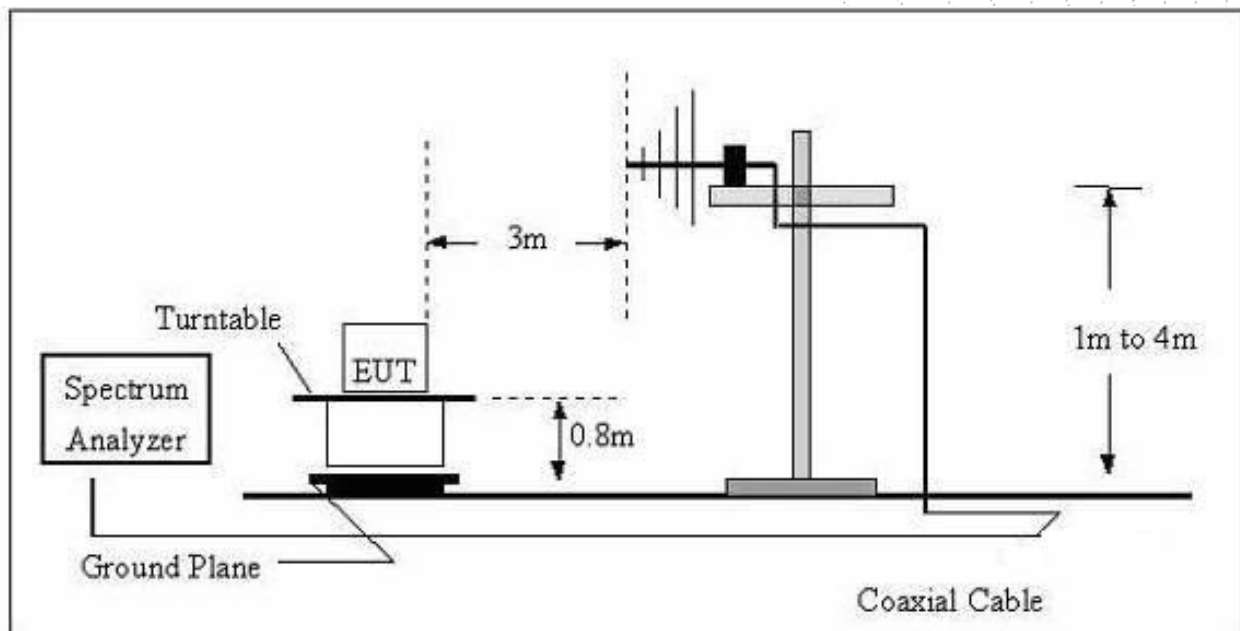
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

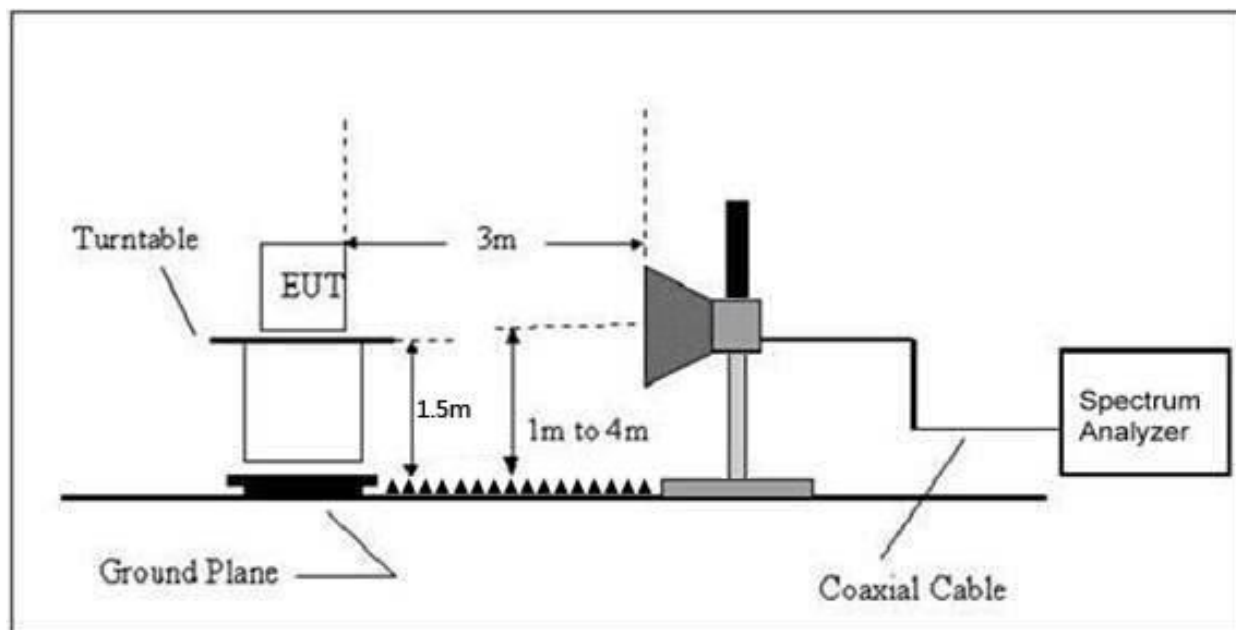
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



7.2 Limit

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

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

Limits Of Radiated Emission Measurement (Above 1000MHz)

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

Notes:

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

7.3 Test Procedure

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

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

Use the following spectrum analyzer settings:

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

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

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

Note:

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

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

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

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

7.4 EUT Operating Conditions

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

7.5 Test Result

Below 30MHz

Temperature:	26 °C	Relative Humidity:	54 %
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 3	Polarization :	--

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

Note:

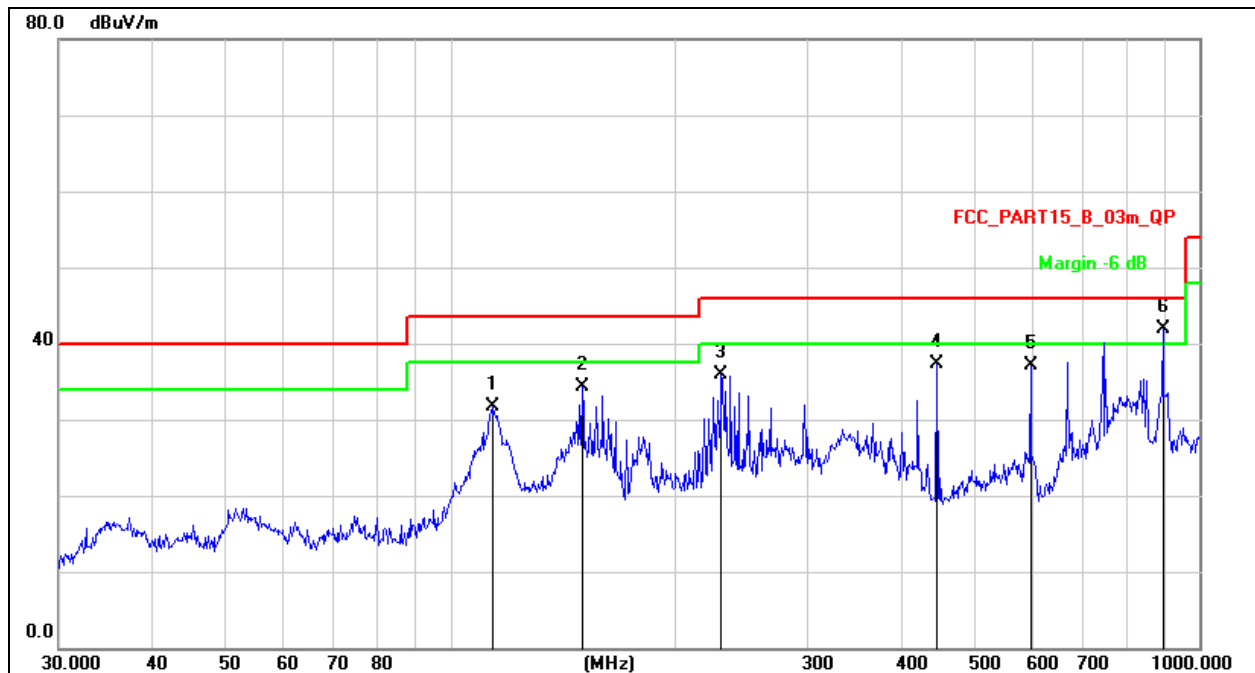
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Between 30MHz – 1GHz

Temperature:	26 °C	Relative Humidity:	54 %
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 3	Test Voltage :	AC 120V/60Hz

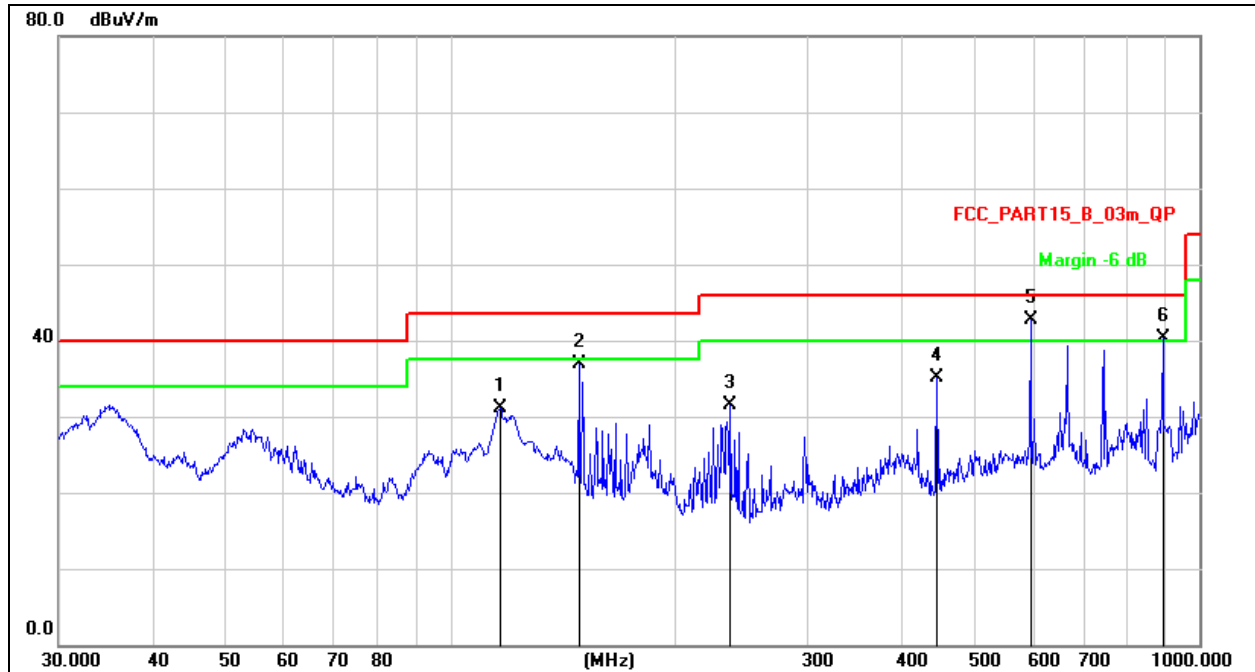


Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		113.7142	47.19	-15.52	31.67	43.50	-11.83	QP
2		150.0107	51.94	-17.60	34.34	43.50	-9.16	QP
3		230.0985	49.67	-13.68	35.99	46.00	-10.01	QP
4		446.4141	45.77	-8.47	37.30	46.00	-8.70	QP
5		595.1327	42.51	-5.50	37.01	46.00	-8.99	QP
6	*	893.8567	43.31	-1.38	41.93	46.00	-4.07	QP

Temperature:	26 °C	Relative Humidity:	54 %
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 3	Test Voltage :	AC 120V/60Hz



Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		116.5400	46.79	-15.69	31.10	43.50	-12.40	QP
2		148.4410	54.39	-17.51	36.88	43.50	-6.62	QP
3		236.6447	44.96	-13.52	31.44	46.00	-14.56	QP
4		446.4141	43.65	-8.47	35.18	46.00	-10.82	QP
5	*	595.1326	48.12	-5.50	42.62	46.00	-3.38	QP
6	!	893.8567	41.69	-1.38	40.31	46.00	-5.69	QP

Between 1GHz – 40GHz

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes has been tested and the worst result 802.11a (antenna a) recorded as below:

Test mode: 802.11a (antenna a) Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5120.96	H	59.34	74	47.53	54
5149.67	V	56.74	74	43.46	54

Test mode: 802.11a (antenna a) Frequency(MHz): 5240

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5303.49	H	47.85	74	33.84	54
5302.37	V	44.68	74	31.67	54

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

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Test Mode: TX(5.1G) - 802.11a

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.194	74.44	-20.73	53.71	68.20	-14.49	PK
Vertical	4434.194	59.92	-20.73	39.19	54.00	-14.81	AV
Vertical	10360.069	63.80	-9.36	54.44	68.20	-13.76	PK
Vertical	10360.069	49.83	-9.36	40.47	54.00	-13.53	AV
Vertical	15540.175	60.63	-7.84	52.79	74.00	-21.21	PK
Vertical	15540.175	49.97	-7.84	42.13	54.00	-11.87	AV
Horizontal	4434.138	74.33	-20.73	53.60	68.20	-14.60	PK
Horizontal	4434.138	59.90	-20.73	39.17	54.00	-14.83	AV
Horizontal	10360.061	61.04	-9.36	51.68	68.20	-16.52	PK
Horizontal	10360.061	49.38	-9.36	40.02	54.00	-13.98	AV
Horizontal	15540.059	60.05	-7.84	52.21	74.00	-21.79	PK
Horizontal	15540.059	49.59	-7.84	41.75	54.00	-12.25	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.004	73.86	-20.42	53.44	74.00	-20.56	PK
Vertical	4592.004	59.55	-20.42	39.13	54.00	-14.87	AV
Vertical	10400.196	62.06	-9.30	52.76	68.20	-15.44	PK
Vertical	10400.196	49.92	-9.30	40.62	54.00	-13.38	AV
Vertical	15600.028	64.91	-7.82	57.09	74.00	-16.91	PK
Vertical	15600.028	49.45	-7.82	41.63	54.00	-12.37	AV
Horizontal	4592.164	74.19	-20.42	53.77	74.00	-20.23	PK
Horizontal	4592.164	59.86	-20.42	39.45	54.00	-14.55	AV
Horizontal	10400.022	63.83	-9.30	54.53	68.20	-13.67	PK
Horizontal	10400.022	49.56	-9.30	40.26	54.00	-13.74	AV
Horizontal	15600.033	61.13	-7.82	53.31	74.00	-20.69	PK
Horizontal	15600.033	49.13	-7.82	41.31	54.00	-12.69	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.062	74.21	-20.12	54.09	74.00	-19.91	PK
Vertical	4739.062	59.23	-20.12	39.11	54.00	-14.89	AV
Vertical	10480.014	63.50	-9.18	54.32	68.20	-13.88	PK
Vertical	10480.014	49.51	-9.18	40.33	54.00	-13.67	AV
Vertical	15720.023	60.57	-7.78	52.79	74.00	-21.21	PK
Vertical	15720.023	49.34	-7.78	41.56	54.00	-12.44	AV
Horizontal	4739.157	72.70	-20.12	52.58	74.00	-21.42	PK
Horizontal	4739.157	59.70	-20.12	39.58	54.00	-14.42	AV
Horizontal	10480.127	64.18	-9.18	55.00	68.20	-13.20	PK
Horizontal	10480.127	49.26	-9.18	40.08	54.00	-13.92	AV
Horizontal	15720.187	63.21	-7.78	55.43	74.00	-18.57	PK
Horizontal	15720.187	49.44	-7.78	41.66	54.00	-12.34	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11n-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.180	73.26	-20.73	52.53	68.20	-15.67	PK
Vertical	4434.180	59.61	-20.73	38.88	54.00	-15.12	AV
Vertical	10360.055	64.66	-9.36	55.30	68.20	-12.90	PK
Vertical	10360.055	49.91	-9.36	40.55	54.00	-13.45	AV
Vertical	15540.099	61.08	-7.84	53.24	74.00	-20.76	PK
Vertical	15540.099	49.59	-7.84	41.75	54.00	-12.25	AV
Horizontal	4434.162	72.89	-20.73	52.16	68.20	-16.04	PK
Horizontal	4434.162	59.97	-20.73	39.24	54.00	-14.76	AV
Horizontal	10360.023	62.37	-9.36	53.01	68.20	-15.19	PK
Horizontal	10360.023	49.86	-9.36	40.50	54.00	-13.50	AV
Horizontal	15540.169	60.93	-7.84	53.09	74.00	-20.91	PK
Horizontal	15540.169	49.71	-7.84	41.87	54.00	-12.13	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.178	73.38	-20.42	52.97	74.00	-21.03	PK
Vertical	4592.178	59.98	-20.42	39.57	54.00	-14.43	AV
Vertical	10400.058	64.14	-9.30	54.84	68.20	-13.36	PK
Vertical	10400.058	49.86	-9.30	40.56	54.00	-13.44	AV
Vertical	15600.125	64.81	-7.82	56.99	74.00	-17.01	PK
Vertical	15600.125	49.66	-7.82	41.84	54.00	-12.16	AV
Horizontal	4592.116	74.80	-20.42	54.38	74.00	-19.62	PK
Horizontal	4592.116	59.90	-20.42	39.49	54.00	-14.51	AV
Horizontal	10400.185	60.81	-9.30	51.51	68.20	-16.69	PK
Horizontal	10400.185	49.21	-9.30	39.91	54.00	-14.09	AV
Horizontal	15600.044	61.54	-7.82	53.72	74.00	-20.28	PK
Horizontal	15600.044	49.92	-7.82	42.10	54.00	-11.90	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.018	74.32	-20.12	54.20	74.00	-19.80	PK
Vertical	4739.018	59.95	-20.12	39.82	54.00	-14.18	AV
Vertical	10480.011	63.83	-9.18	54.65	68.20	-13.55	PK
Vertical	10480.011	49.84	-9.18	40.66	54.00	-13.34	AV
Vertical	15720.187	61.21	-7.78	53.43	74.00	-20.57	PK
Vertical	15720.187	49.44	-7.78	41.66	54.00	-12.34	AV
Horizontal	4739.043	73.06	-20.12	52.94	74.00	-21.06	PK
Horizontal	4739.043	59.04	-20.12	38.92	54.00	-15.08	AV
Horizontal	10480.155	63.90	-9.18	54.72	68.20	-13.48	PK
Horizontal	10480.155	49.36	-9.18	40.18	54.00	-13.82	AV
Horizontal	15720.063	62.74	-7.78	54.96	74.00	-19.04	PK
Horizontal	15720.063	49.47	-7.78	41.69	54.00	-12.31	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11n-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.000	73.98	-20.73	53.25	68.20	-14.95	PK
Vertical	4434.000	59.97	-20.73	39.24	54.00	-14.76	AV
Vertical	10380.155	60.68	-9.33	51.35	68.20	-16.85	PK
Vertical	10380.155	49.80	-9.33	40.47	54.00	-13.53	AV
Vertical	15570.169	63.12	-7.83	55.29	74.00	-18.71	PK
Vertical	15570.169	49.62	-7.83	41.79	54.00	-12.21	AV
Horizontal	4434.097	70.54	-20.73	49.81	74.00	-24.19	PK
Horizontal	4434.097	59.07	-20.73	38.34	54.00	-15.66	AV
Horizontal	10380.124	62.90	-9.33	53.57	68.20	-14.63	PK
Horizontal	10380.124	49.41	-9.33	40.08	54.00	-13.92	AV
Horizontal	15570.056	60.89	-7.83	53.06	74.00	-20.94	PK
Horizontal	15570.056	49.39	-7.83	41.56	54.00	-12.44	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.111	71.64	-20.12	51.52	68.20	-16.68	PK
Vertical	4739.111	59.02	-20.12	38.90	54.00	-15.10	AV
Vertical	10460.190	60.24	-9.21	51.03	68.20	-17.17	PK
Vertical	10460.190	49.20	-9.21	39.99	54.00	-14.01	AV
Vertical	15690.049	62.96	-7.79	55.17	74.00	-18.83	PK
Vertical	15690.049	49.57	-7.79	41.78	54.00	-12.22	AV
Horizontal	4739.009	71.13	-20.12	51.01	68.20	-17.19	PK
Horizontal	4739.009	59.06	-20.12	38.93	54.00	-15.07	AV
Horizontal	10460.124	60.55	-9.21	51.34	68.20	-16.86	PK
Horizontal	10460.124	49.29	-9.21	40.08	54.00	-13.92	AV
Horizontal	15690.063	61.71	-7.79	53.92	74.00	-20.08	PK
Horizontal	15690.063	49.88	-7.79	42.09	54.00	-11.91	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.044	73.94	-20.73	53.21	68.20	-14.99	PK
Vertical	4434.044	59.24	-20.73	38.51	54.00	-15.49	AV
Vertical	10360.165	64.50	-9.36	55.14	68.20	-13.06	PK
Vertical	10360.165	49.38	-9.36	40.02	54.00	-13.98	AV
Vertical	15540.163	64.09	-7.84	56.25	74.00	-17.75	PK
Vertical	15540.163	49.20	-7.84	41.36	54.00	-12.64	AV
Horizontal	4434.091	72.56	-20.73	51.83	68.20	-16.37	PK
Horizontal	4434.091	59.41	-20.73	38.68	54.00	-15.32	AV
Horizontal	10360.098	63.62	-9.36	54.26	68.20	-13.94	PK
Horizontal	10360.098	49.77	-9.36	40.41	54.00	-13.59	AV
Horizontal	15540.195	60.52	-7.84	52.68	74.00	-21.32	PK
Horizontal	15540.195	49.07	-7.84	41.23	54.00	-12.77	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.143	71.57	-20.42	51.15	74.00	-22.85	PK
Vertical	4592.143	59.95	-20.42	39.53	54.00	-14.47	AV
Vertical	10400.067	62.31	-9.30	53.01	68.20	-15.19	PK
Vertical	10400.067	49.93	-9.30	40.63	54.00	-13.37	AV
Vertical	15600.191	62.03	-7.82	54.21	74.00	-19.79	PK
Vertical	15600.191	49.06	-7.82	41.24	54.00	-12.76	AV
Horizontal	4592.144	73.68	-20.42	53.26	74.00	-20.74	PK
Horizontal	4592.144	59.99	-20.42	39.57	54.00	-14.43	AV
Horizontal	10400.014	64.19	-9.30	54.89	68.20	-13.31	PK
Horizontal	10400.014	49.41	-9.30	40.11	54.00	-13.89	AV
Horizontal	15600.027	64.19	-7.82	56.37	74.00	-17.63	PK
Horizontal	15600.027	49.17	-7.82	41.35	54.00	-12.65	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.192	73.45	-20.12	53.32	74.00	-20.68	PK
Vertical	4739.192	59.83	-20.12	39.70	54.00	-14.30	AV
Vertical	10480.178	60.03	-9.18	50.85	68.20	-17.35	PK
Vertical	10480.178	49.47	-9.18	40.29	54.00	-13.71	AV
Vertical	15720.045	63.08	-7.78	55.30	74.00	-18.70	PK
Vertical	15720.045	49.77	-7.78	41.99	54.00	-12.01	AV
Horizontal	4739.055	74.24	-20.12	54.12	74.00	-19.88	PK
Horizontal	4739.055	59.07	-20.12	38.95	54.00	-15.05	AV
Horizontal	10480.015	61.01	-9.18	51.83	68.20	-16.37	PK
Horizontal	10480.015	49.92	-9.18	40.74	54.00	-13.26	AV
Horizontal	15720.059	62.83	-7.78	55.05	74.00	-18.95	PK
Horizontal	15720.059	49.54	-7.78	41.76	54.00	-12.24	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.171	72.60	-20.73	51.87	68.20	-16.33	PK
Vertical	4434.171	59.48	-20.73	38.74	54.00	-15.26	AV
Vertical	10380.098	60.20	-9.33	50.87	68.20	-17.33	PK
Vertical	10380.098	49.56	-9.33	40.23	54.00	-13.77	AV
Vertical	15570.143	62.82	-7.83	54.99	74.00	-19.01	PK
Vertical	15570.143	49.81	-7.83	41.98	54.00	-12.02	AV
Horizontal	4434.106	72.64	-20.73	51.91	74.00	-22.09	PK
Horizontal	4434.106	59.48	-20.73	38.74	54.00	-15.26	AV
Horizontal	10380.008	62.28	-9.33	52.95	68.20	-15.25	PK
Horizontal	10380.008	49.56	-9.33	40.23	54.00	-13.77	AV
Horizontal	15570.093	60.42	-7.83	52.59	74.00	-21.41	PK
Horizontal	15570.093	49.46	-7.83	41.63	54.00	-12.37	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.051	70.83	-20.12	50.71	68.20	-17.49	PK
Vertical	4739.051	59.59	-20.12	39.47	54.00	-14.53	AV
Vertical	10460.178	60.28	-9.21	51.07	68.20	-17.13	PK
Vertical	10460.178	49.95	-9.21	40.74	54.00	-13.26	AV
Vertical	15690.033	60.20	-7.79	52.41	74.00	-21.59	PK
Vertical	15690.033	49.52	-7.79	41.73	54.00	-12.27	AV
Horizontal	4739.155	71.07	-20.12	50.95	68.20	-17.25	PK
Horizontal	4739.155	59.64	-20.12	39.52	54.00	-14.48	AV
Horizontal	10460.149	62.60	-9.21	53.39	68.20	-14.81	PK
Horizontal	10460.149	49.79	-9.21	40.58	54.00	-13.42	AV
Horizontal	15690.010	60.27	-7.79	52.48	74.00	-21.52	PK
Horizontal	15690.010	49.75	-7.79	41.96	54.00	-12.04	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11ax-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.109	74.13	-20.73	53.39	68.20	-14.81	PK
Vertical	4434.109	59.14	-20.73	38.40	54.00	-15.60	AV
Vertical	10360.188	64.92	-9.36	55.56	68.20	-12.64	PK
Vertical	10360.188	49.85	-9.36	40.49	54.00	-13.51	AV
Vertical	15540.087	60.88	-7.84	53.04	74.00	-20.96	PK
Vertical	15540.087	49.30	-7.84	41.46	54.00	-12.54	AV
Horizontal	4434.107	74.43	-20.73	53.70	68.20	-14.50	PK
Horizontal	4434.107	59.96	-20.73	39.23	54.00	-14.77	AV
Horizontal	10360.102	61.67	-9.36	52.31	68.20	-15.89	PK
Horizontal	10360.102	49.13	-9.36	39.77	54.00	-14.23	AV
Horizontal	15540.057	63.09	-7.84	55.25	74.00	-18.75	PK
Horizontal	15540.057	49.54	-7.84	41.70	54.00	-12.30	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.137	70.07	-20.42	49.66	74.00	-24.34	PK
Vertical	4592.137	59.54	-20.42	39.12	54.00	-14.88	AV
Vertical	10400.025	63.27	-9.30	53.97	68.20	-14.23	PK
Vertical	10400.025	49.45	-9.30	40.15	54.00	-13.85	AV
Vertical	15600.140	62.07	-7.82	54.25	74.00	-19.75	PK
Vertical	15600.140	49.54	-7.82	41.72	54.00	-12.28	AV
Horizontal	4592.144	71.17	-20.42	50.75	74.00	-23.25	PK
Horizontal	4592.144	59.13	-20.42	38.72	54.00	-15.28	AV
Horizontal	10400.084	62.53	-9.30	53.23	68.20	-14.97	PK
Horizontal	10400.084	49.98	-9.30	40.68	54.00	-13.32	AV
Horizontal	15600.118	62.68	-7.82	54.86	74.00	-19.14	PK
Horizontal	15600.118	49.12	-7.82	41.30	54.00	-12.70	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.114	74.81	-20.12	54.69	74.00	-19.31	PK
Vertical	4739.114	59.42	-20.12	39.30	54.00	-14.70	AV
Vertical	10480.199	63.43	-9.18	54.25	68.20	-13.95	PK
Vertical	10480.199	49.68	-9.18	40.50	54.00	-13.50	AV
Vertical	15720.012	63.97	-7.78	56.19	74.00	-17.81	PK
Vertical	15720.012	49.66	-7.78	41.88	54.00	-12.12	AV
Horizontal	4739.200	72.86	-20.12	52.74	74.00	-21.26	PK
Horizontal	4739.200	59.40	-20.12	39.28	54.00	-14.72	AV
Horizontal	10480.170	64.91	-9.18	55.73	68.20	-12.47	PK
Horizontal	10480.170	49.89	-9.18	40.71	54.00	-13.29	AV
Horizontal	15720.041	60.79	-7.78	53.01	74.00	-20.99	PK
Horizontal	15720.041	49.09	-7.78	41.31	54.00	-12.69	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX(5.1G) - 802.11ax-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.096	74.36	-20.73	53.63	68.20	-14.57	PK
Vertical	4434.096	59.27	-20.73	38.54	54.00	-15.46	AV
Vertical	10380.101	63.43	-9.33	54.10	68.20	-14.10	PK
Vertical	10380.101	49.23	-9.33	39.90	54.00	-14.10	AV
Vertical	15570.037	63.59	-7.83	55.76	74.00	-18.24	PK
Vertical	15570.037	49.51	-7.83	41.68	54.00	-12.32	AV
Horizontal	4434.084	70.65	-20.73	49.92	74.00	-24.08	PK
Horizontal	4434.084	59.53	-20.73	38.80	54.00	-15.20	AV
Horizontal	10380.165	61.59	-9.33	52.26	68.20	-15.94	PK
Horizontal	10380.165	49.20	-9.33	39.87	54.00	-14.13	AV
Horizontal	15570.052	62.85	-7.83	55.02	74.00	-18.98	PK
Horizontal	15570.052	49.39	-7.83	41.56	54.00	-12.44	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.178	70.24	-20.12	50.12	68.20	-18.08	PK
Vertical	4739.178	59.09	-20.12	38.97	54.00	-15.03	AV
Vertical	10460.015	63.39	-9.21	54.18	68.20	-14.02	PK
Vertical	10460.015	49.97	-9.21	40.76	54.00	-13.24	AV
Vertical	15690.101	63.64	-7.79	55.85	74.00	-18.15	PK
Vertical	15690.101	49.09	-7.79	41.30	54.00	-12.70	AV
Horizontal	4739.018	73.58	-20.12	53.46	68.20	-14.74	PK
Horizontal	4739.018	59.13	-20.12	39.01	54.00	-14.99	AV
Horizontal	10460.063	64.87	-9.21	55.66	68.20	-12.54	PK
Horizontal	10460.063	49.39	-9.21	40.18	54.00	-13.82	AV
Horizontal	15690.031	64.86	-7.79	57.07	74.00	-16.93	PK
Horizontal	15690.031	49.63	-7.79	41.84	54.00	-12.16	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX (5.8G) -- 802.11a
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.190	73.76	-20.24	53.52	74.00	-20.48	PK
Vertical	4679.190	59.68	-20.24	39.43	54.00	-14.57	AV
Vertical	11490.050	62.93	-8.79	54.14	68.20	-14.06	PK
Vertical	11490.050	49.20	-8.79	40.41	54.00	-13.59	AV
Vertical	17235.057	57.36	-3.18	54.18	68.20	-14.02	PK
Vertical	17235.057	44.47	-3.18	41.29	54.00	-12.71	AV
Horizontal	4679.053	73.47	-20.73	52.74	74.00	-21.26	PK
Horizontal	4679.053	59.29	-20.73	38.56	54.00	-15.44	AV
Horizontal	11490.130	63.86	-8.79	55.07	68.20	-13.13	PK
Horizontal	11490.130	49.95	-8.79	41.16	54.00	-12.84	AV
Horizontal	17235.155	59.27	-3.18	56.09	68.20	-12.11	PK
Horizontal	17235.155	44.02	-3.18	40.84	54.00	-13.16	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.041	71.12	-20.42	50.70	74.00	-23.30	PK
Vertical	4592.041	59.46	-20.42	39.04	54.00	-14.96	AV
Vertical	11570.028	64.93	-8.86	56.07	68.20	-12.13	PK
Vertical	11570.028	49.53	-8.86	40.67	54.00	-13.33	AV
Vertical	17355.012	55.53	-2.52	53.01	68.20	-15.19	PK
Vertical	17355.012	44.51	-2.52	41.99	54.00	-12.01	AV
Horizontal	4592.022	71.84	-20.42	51.43	74.00	-22.57	PK
Horizontal	4592.022	59.05	-20.42	38.63	54.00	-15.37	AV
Horizontal	11570.094	63.44	-8.86	54.58	68.20	-13.62	PK
Horizontal	11570.094	49.54	-8.86	40.68	54.00	-13.32	AV
Horizontal	17355.058	56.76	-2.52	54.24	68.20	-13.96	PK
Horizontal	17355.058	44.38	-2.52	41.86	54.00	-12.14	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.089	74.59	-18.93	55.65	68.20	-12.55	PK
Vertical	6039.089	59.75	-18.93	40.82	54.00	-13.18	AV
Vertical	11650.082	63.60	-8.92	54.68	74.00	-19.32	PK
Vertical	11650.082	49.47	-8.92	40.55	54.00	-13.45	AV
Vertical	17475.004	55.92	-1.86	54.06	68.20	-14.14	PK
Vertical	17475.004	44.95	-1.86	43.09	54.00	-10.91	AV
Horizontal	6039.180	72.04	-18.93	53.11	68.20	-15.09	PK
Horizontal	6039.180	59.96	-18.93	41.03	54.00	-12.97	AV
Horizontal	11650.181	62.56	-8.92	53.64	74.00	-20.36	PK
Horizontal	11650.181	49.49	-8.92	40.57	54.00	-13.43	AV
Horizontal	17475.034	58.85	-1.86	56.99	68.20	-11.21	PK
Horizontal	17475.034	44.67	-1.86	42.81	54.00	-11.19	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode: TX (5.8G) --802.11n-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.073	71.13	-20.24	50.89	74.00	-23.11	PK
Vertical	4679.073	59.72	-20.24	39.48	54.00	-14.52	AV
Vertical	11490.039	60.79	-8.79	52.00	68.20	-16.20	PK
Vertical	11490.039	49.14	-8.79	40.35	54.00	-13.65	AV
Vertical	17235.070	57.74	-3.18	54.56	68.20	-13.64	PK
Vertical	17235.070	44.80	-3.18	41.62	54.00	-12.38	AV
Horizontal	4679.114	74.69	-20.24	54.44	74.00	-19.56	PK
Horizontal	4679.114	59.35	-20.24	39.11	54.00	-14.89	AV
Horizontal	11490.154	60.02	-8.79	51.23	68.20	-16.97	PK
Horizontal	11490.154	49.32	-8.79	40.53	54.00	-13.47	AV
Horizontal	17235.066	55.80	-3.18	52.62	68.20	-15.58	PK
Horizontal	17235.066	44.09	-3.18	40.91	54.00	-13.09	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.033	71.09	-20.42	50.68	74.00	-23.32	PK
Vertical	4592.033	59.90	-20.42	39.49	54.00	-14.51	AV
Vertical	11570.111	60.75	-8.86	51.89	68.20	-16.31	PK
Vertical	11570.111	49.49	-8.86	40.63	54.00	-13.37	AV
Vertical	17355.083	59.73	-2.52	57.21	68.20	-10.99	PK
Vertical	17355.083	44.05	-2.52	41.53	54.00	-12.47	AV
Horizontal	4592.084	72.57	-20.42	52.15	74.00	-21.85	PK
Horizontal	4592.084	59.83	-20.42	39.42	54.00	-14.58	AV
Horizontal	11570.036	62.43	-8.86	53.57	68.20	-14.63	PK
Horizontal	11570.036	49.63	-8.86	40.77	54.00	-13.23	AV
Horizontal	17355.132	56.92	-2.52	54.40	68.20	-13.80	PK
Horizontal	17355.132	44.10	-2.52	41.58	54.00	-12.42	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.054	73.47	-18.93	54.54	68.20	-13.66	PK
Vertical	6039.054	59.08	-18.93	40.15	54.00	-13.85	AV
Vertical	11650.068	60.19	-8.92	51.27	74.00	-22.73	PK
Vertical	11650.068	49.76	-8.92	40.84	54.00	-13.16	AV
Vertical	17475.179	57.81	-1.86	55.95	68.20	-12.25	PK
Vertical	17475.179	44.32	-1.86	42.46	54.00	-11.54	AV
Horizontal	6039.092	71.50	-18.93	52.57	68.20	-15.63	PK
Horizontal	6039.092	59.81	-18.93	40.87	54.00	-13.13	AV
Horizontal	11650.154	60.43	-8.92	51.51	74.00	-22.49	PK
Horizontal	11650.154	49.51	-8.92	40.59	54.00	-13.41	AV
Horizontal	17475.040	55.95	-1.86	54.09	68.20	-14.11	PK
Horizontal	17475.040	44.64	-1.86	42.78	54.00	-11.22	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode:	TX (5.8G) -- 802.11n-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.088	72.10	-20.24	51.85	74.00	-22.15	PK
Vertical	4679.088	59.40	-20.24	39.15	54.00	-14.85	AV
Vertical	11510.158	61.24	-8.81	52.43	74.00	-21.57	PK
Vertical	11510.158	49.51	-8.81	40.70	54.00	-13.30	AV
Vertical	17265.068	56.68	-3.01	53.67	68.20	-14.53	PK
Vertical	17265.068	44.48	-3.01	41.47	54.00	-12.53	AV
Horizontal	4679.076	74.47	-20.24	54.23	74.00	-19.77	PK
Horizontal	4679.076	59.62	-20.24	39.38	54.00	-14.62	AV
Horizontal	11510.150	61.97	-8.81	53.16	74.00	-20.84	PK
Horizontal	11510.150	49.67	-8.81	40.86	54.00	-13.14	AV
Horizontal	17265.095	56.83	-3.01	53.82	68.20	-14.38	PK
Horizontal	17265.095	44.22	-3.01	41.21	54.00	-12.79	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.098	70.93	-18.93	52.00	68.20	-16.20	PK
Vertical	6039.098	59.39	-18.93	40.46	54.00	-13.54	AV
Vertical	11590.061	64.15	-8.87	55.28	74.00	-18.72	PK
Vertical	11590.061	49.28	-8.87	40.41	54.00	-13.59	AV
Vertical	17385.125	55.42	-2.35	53.07	68.20	-15.13	PK
Vertical	17385.125	44.13	-2.35	41.78	54.00	-12.22	AV
Horizontal	6039.055	72.26	-18.93	53.33	68.20	-14.87	PK
Horizontal	6039.055	59.78	-18.93	40.85	54.00	-13.15	AV
Horizontal	11590.052	63.55	-8.87	54.68	74.00	-19.32	PK
Horizontal	11590.052	49.48	-8.87	40.61	54.00	-13.39	AV
Horizontal	17385.043	59.53	-2.35	57.18	68.20	-11.02	PK
Horizontal	17385.043	44.64	-2.35	42.29	54.00	-11.71	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode: TX (5.8G) --802.11ac-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.059	71.85	-20.24	51.61	74.00	-22.39	PK
Vertical	4679.059	59.30	-20.24	39.06	54.00	-14.94	AV
Vertical	11490.126	60.87	-8.79	52.08	68.20	-16.12	PK
Vertical	11490.126	49.88	-8.79	41.09	54.00	-12.91	AV
Vertical	17235.061	57.64	-3.18	54.46	68.20	-13.74	PK
Vertical	17235.061	44.04	-3.18	40.86	54.00	-13.14	AV
Horizontal	4679.129	73.02	-20.24	52.78	74.00	-21.22	PK
Horizontal	4679.129	59.22	-20.24	38.98	54.00	-15.02	AV
Horizontal	11490.178	60.73	-8.79	51.94	68.20	-16.26	PK
Horizontal	11490.178	49.29	-8.79	40.50	54.00	-13.50	AV
Horizontal	17235.172	56.29	-3.18	53.11	68.20	-15.09	PK
Horizontal	17235.172	44.70	-3.18	41.52	54.00	-12.48	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.168	74.59	-20.42	54.17	74.00	-19.83	PK
Vertical	4592.168	59.82	-20.42	39.40	54.00	-14.60	AV
Vertical	11570.068	63.11	-8.86	54.25	68.20	-13.95	PK
Vertical	11570.068	49.20	-8.86	40.34	54.00	-13.66	AV
Vertical	17355.196	59.41	-2.52	56.89	68.20	-11.31	PK
Vertical	17355.196	44.85	-2.52	42.33	54.00	-11.67	AV
Horizontal	4592.179	71.54	-20.42	51.13	74.00	-22.87	PK
Horizontal	4592.179	59.27	-20.42	38.85	54.00	-15.15	AV
Horizontal	11570.105	61.76	-8.86	52.90	68.20	-15.30	PK
Horizontal	11570.105	49.48	-8.86	40.62	54.00	-13.38	AV
Horizontal	17355.146	58.73	-2.52	56.21	68.20	-11.99	PK
Horizontal	17355.146	44.20	-2.52	41.68	54.00	-12.32	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.066	71.20	-18.93	52.27	68.20	-15.93	PK
Vertical	6039.066	59.51	-18.93	40.58	54.00	-13.42	AV
Vertical	11650.188	65.00	-8.92	56.08	74.00	-17.92	PK
Vertical	11650.188	49.71	-8.92	40.79	54.00	-13.21	AV
Vertical	17475.098	55.92	-1.86	54.06	68.20	-14.14	PK
Vertical	17475.098	44.71	-1.86	42.85	54.00	-11.15	AV
Horizontal	6039.006	72.38	-18.93	53.44	68.20	-14.76	PK
Horizontal	6039.006	59.99	-18.93	41.05	54.00	-12.95	AV
Horizontal	11650.198	61.82	-8.92	52.90	74.00	-21.10	PK
Horizontal	11650.198	49.72	-8.92	40.80	54.00	-13.20	AV
Horizontal	17475.132	55.74	-1.86	53.88	68.20	-14.32	PK
Horizontal	17475.132	44.24	-1.86	42.38	54.00	-11.62	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode :	TX (5.8G) -- 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.075	73.08	-20.24	52.84	74.00	-21.16	PK
Vertical	4679.075	59.01	-20.24	38.76	54.00	-15.24	AV
Vertical	11510.013	61.23	-8.81	52.42	74.00	-21.58	PK
Vertical	11510.013	49.69	-8.81	40.88	54.00	-13.12	AV
Vertical	17265.089	56.41	-3.01	53.40	68.20	-14.80	PK
Vertical	17265.089	44.40	-3.01	41.39	54.00	-12.61	AV
Horizontal	4679.121	70.81	-20.24	50.57	74.00	-23.43	PK
Horizontal	4679.121	59.88	-20.24	39.64	54.00	-14.36	AV
Horizontal	11510.103	64.04	-8.81	55.23	74.00	-18.77	PK
Horizontal	11510.103	49.93	-8.81	41.12	54.00	-12.88	AV
Horizontal	17265.143	55.62	-3.01	52.61	68.20	-15.59	PK
Horizontal	17265.143	44.95	-3.01	41.94	54.00	-12.06	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.192	74.10	-18.93	55.17	68.20	-13.03	PK
Vertical	6039.192	59.66	-18.93	40.73	54.00	-13.27	AV
Vertical	11590.072	61.36	-8.87	52.49	74.00	-21.51	PK
Vertical	11590.072	49.01	-8.87	40.14	54.00	-13.86	AV
Vertical	17385.174	56.69	-2.35	54.34	68.20	-13.86	PK
Vertical	17385.174	44.86	-2.35	42.51	54.00	-11.49	AV
Horizontal	6039.107	74.81	-18.93	55.88	68.20	-12.32	PK
Horizontal	6039.107	59.58	-18.93	40.65	54.00	-13.35	AV
Horizontal	11590.024	60.35	-8.87	51.48	74.00	-22.52	PK
Horizontal	11590.024	49.33	-8.87	40.46	54.00	-13.54	AV
Horizontal	17385.142	59.00	-2.35	56.65	68.20	-11.55	PK
Horizontal	17385.142	44.69	-2.35	42.34	54.00	-11.66	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode: TX (5.8G) --802.11ax-HT20

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.012	74.82	-20.24	54.58	74.00	-19.42	PK
Vertical	4679.012	59.01	-20.24	38.77	54.00	-15.23	AV
Vertical	11490.115	61.96	-8.79	53.17	68.20	-15.03	PK
Vertical	11490.115	49.77	-8.79	40.98	54.00	-13.02	AV
Vertical	17235.194	55.33	-3.18	52.15	68.20	-16.05	PK
Vertical	17235.194	44.14	-3.18	40.96	54.00	-13.04	AV
Horizontal	4679.035	71.93	-20.24	51.69	74.00	-22.31	PK
Horizontal	4679.035	59.73	-20.24	39.49	54.00	-14.51	AV
Horizontal	11490.047	60.59	-8.79	51.80	68.20	-16.40	PK
Horizontal	11490.047	49.98	-8.79	41.19	54.00	-12.81	AV
Horizontal	17235.200	55.80	-3.18	52.62	68.20	-15.58	PK
Horizontal	17235.200	44.13	-3.18	40.95	54.00	-13.05	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.022	74.15	-20.42	53.74	74.00	-20.26	PK
Vertical	4592.022	59.73	-20.42	39.32	54.00	-14.68	AV
Vertical	11570.080	64.78	-8.86	55.92	68.20	-12.28	PK
Vertical	11570.080	49.67	-8.86	40.81	54.00	-13.19	AV
Vertical	17355.173	55.29	-2.52	52.77	68.20	-15.43	PK
Vertical	17355.173	44.63	-2.52	42.11	54.00	-11.89	AV
Horizontal	4592.059	72.63	-20.42	52.22	74.00	-21.78	PK
Horizontal	4592.059	59.86	-20.42	39.45	54.00	-14.55	AV
Horizontal	11570.057	64.99	-8.86	56.13	68.20	-12.07	PK
Horizontal	11570.057	49.35	-8.86	40.49	54.00	-13.51	AV
Horizontal	17355.023	58.93	-2.52	56.41	68.20	-11.79	PK
Horizontal	17355.023	44.37	-2.52	41.85	54.00	-12.15	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.107	73.56	-18.93	54.63	68.20	-13.57	PK
Vertical	6039.107	59.49	-18.93	40.55	54.00	-13.45	AV
Vertical	11650.081	62.19	-8.92	53.27	74.00	-20.73	PK
Vertical	11650.081	49.68	-8.92	40.76	54.00	-13.24	AV
Vertical	17475.116	58.44	-1.86	56.58	68.20	-11.62	PK
Vertical	17475.116	44.93	-1.86	43.07	54.00	-10.93	AV
Horizontal	6039.120	74.64	-18.93	55.71	68.20	-12.49	PK
Horizontal	6039.120	59.62	-18.93	40.69	54.00	-13.31	AV
Horizontal	11650.103	62.72	-8.92	53.80	74.00	-20.20	PK
Horizontal	11650.103	49.42	-8.92	40.50	54.00	-13.50	AV
Horizontal	17475.072	57.27	-1.86	55.41	68.20	-12.79	PK
Horizontal	17475.072	44.72	-1.86	42.86	54.00	-11.14	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Test Mode :	TX (5.8G) -- 802.11ax-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.051	70.78	-20.24	50.54	74.00	-23.46	PK
Vertical	4679.051	59.81	-20.24	39.57	54.00	-14.43	AV
Vertical	11510.087	64.61	-8.81	55.80	74.00	-18.20	PK
Vertical	11510.087	49.64	-8.81	40.83	54.00	-13.17	AV
Vertical	17265.092	59.06	-3.01	56.05	68.20	-12.15	PK
Vertical	17265.092	44.30	-3.01	41.29	54.00	-12.71	AV
Horizontal	4679.053	72.44	-20.24	52.20	74.00	-21.80	PK
Horizontal	4679.053	59.58	-20.24	39.34	54.00	-14.66	AV
Horizontal	11510.029	60.08	-8.81	51.27	74.00	-22.73	PK
Horizontal	11510.029	49.44	-8.81	40.63	54.00	-13.37	AV
Horizontal	17265.047	55.11	-3.01	52.10	68.20	-16.10	PK
Horizontal	17265.047	44.43	-3.01	41.42	54.00	-12.58	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.104	71.68	-18.93	52.74	68.20	-15.46	PK
Vertical	6039.104	59.56	-18.93	40.63	54.00	-13.37	AV
Vertical	11590.196	62.57	-8.87	53.70	74.00	-20.30	PK
Vertical	11590.196	49.53	-8.87	40.66	54.00	-13.34	AV
Vertical	17385.056	58.44	-2.35	56.09	68.20	-12.11	PK
Vertical	17385.056	44.26	-2.35	41.91	54.00	-12.09	AV
Horizontal	6039.116	71.19	-18.93	52.26	68.20	-15.94	PK
Horizontal	6039.116	59.24	-18.93	40.31	54.00	-13.69	AV
Horizontal	11590.113	62.80	-8.87	53.93	74.00	-20.07	PK
Horizontal	11590.113	49.39	-8.87	40.52	54.00	-13.48	AV
Horizontal	17385.038	55.26	-2.35	52.91	68.20	-15.29	PK
Horizontal	17385.038	44.65	-2.35	42.30	54.00	-11.70	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

8. Power Spectral Density Test

8.1 Block Diagram Of Test Setup



8.2 Limit

For the band 5.15-5.25 GHz,

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

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

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

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

For the band 5.725-5.85 GHz

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

8.3 Test Procedure

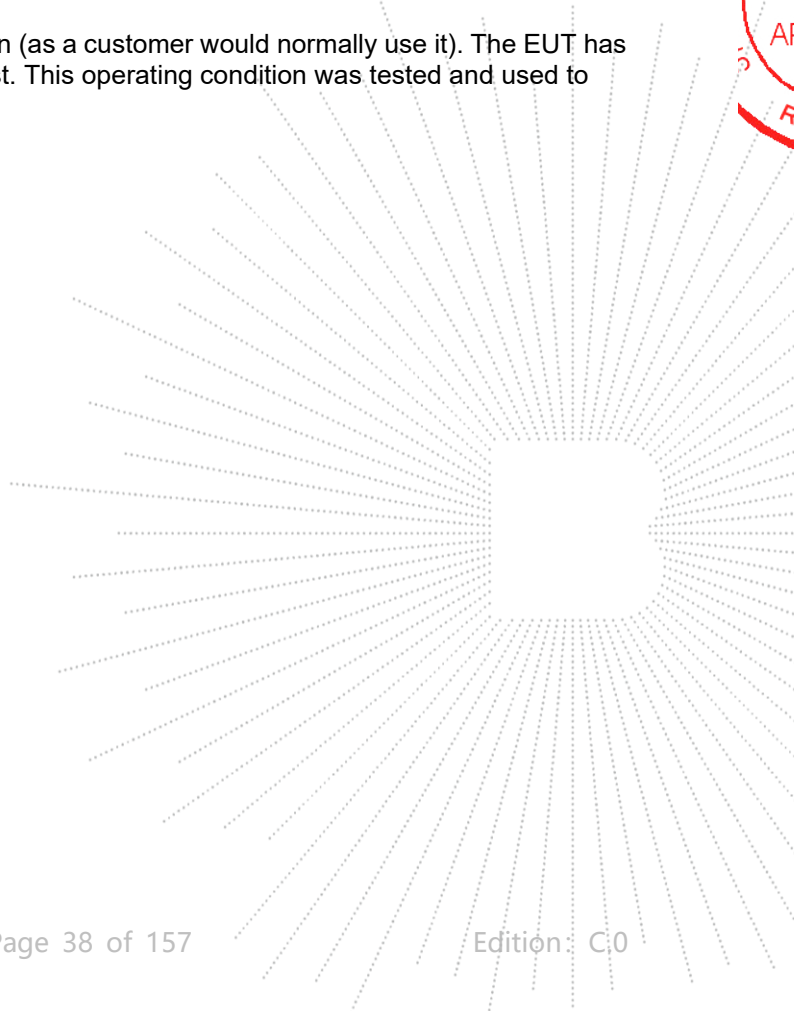
For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of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

- a) Set $RBW \geq 1/T$, 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.

8.4 EUT Operating Conditions

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



8.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz) TX Frequency U-NII-3(5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/1MHz)	Limit (dBm/1MHz)	Verdict
NVNT	a	5180	-2.26	11	Pass
NVNT	a	5200	-2.86	11	Pass
NVNT	a	5240	-1.8	11	Pass
NVNT	n20	5180	-3.65	11	Pass
NVNT	n20	5200	-4.23	11	Pass
NVNT	n20	5240	-4.74	11	Pass
NVNT	n40	5190	-7.99	11	Pass
NVNT	n40	5230	-7.94	11	Pass
NVNT	ac20	5180	-3.29	11	Pass
NVNT	ac20	5200	-4.34	11	Pass
NVNT	ac20	5240	-4.66	11	Pass
NVNT	ac40	5190	-7.43	11	Pass
NVNT	ac40	5230	-7.43	11	Pass
NVNT	ax20	5180	-3.74	11	Pass
NVNT	ax20	5200	-4.57	11	Pass
NVNT	ax20	5240	-4.8	11	Pass
NVNT	ax40	5190	-7.12	11	Pass
NVNT	ax40	5230	-8.05	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510KHz)	Conducted PSD (dBm/500KHz)	Limit (dBm)	Verdict
NVNT	a	5745	-4.6	-4.686	30	Pass
NVNT	a	5785	-4.86	-4.946	30	Pass
NVNT	a	5825	-5.57	-5.656	30	Pass
NVNT	n20	5745	-6.98	-7.066	30	Pass
NVNT	n20	5785	-6.94	-7.026	30	Pass
NVNT	n20	5825	-7.76	-7.846	30	Pass
NVNT	n40	5755	-10.11	-10.196	30	Pass
NVNT	n40	5795	-10.45	-10.536	30	Pass
NVNT	ac20	5745	-6.69	-6.776	30	Pass
NVNT	ac20	5785	-6.66	-6.746	30	Pass
NVNT	ac20	5825	-7.83	-7.916	30	Pass
NVNT	ac40	5755	-10.43	-10.516	30	Pass
NVNT	ac40	5795	-10.7	-10.786	30	Pass
NVNT	ax20	5745	-7.16	-7.246	30	Pass
NVNT	ax20	5785	-6.92	-7.006	30	Pass
NVNT	ax20	5825	-8	-8.086	30	Pass
NVNT	ax40	5755	-10.37	-10.456	30	Pass
NVNT	ax40	5795	-10.73	-10.816	30	Pass

Note: Correction Factor = $10\log(500\text{KHz}/\text{RBW in measurement}) = -0.086$

