TEST REPORT

Report No.:	BCTC2412907229-4E
Applicant:	Shenzhen Qichang Intelligent Technology Co., Ltd
Product Name:	Smart Tablet
Test Model:	DT3
Tested Date:	2024-12-05 to 2025-02-11
Issued Date:	2025-02-11

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2BAK2-DT3

Product Name:	Smart Tablet
Trademark:	FOSSIBOT
Model/Type reference:	DT3 DT3 S, DT3 Plus, DT3 Lite, DT3 Pro
Prepared For:	Shenzhen Qichang Intelligent Technology Co., Ltd
Address:	Room 510, Building 7, Yunli Intelligent Park, No. 7, Bantian Street, Longgang , Shenzhen
Manufacturer:	Shenzhen Qichang Intelligent Technology Co., Ltd
Address:	Room 510, Building 7, Yunli Intelligent Park, No. 7, Bantian Street, Longgang , Shenzhen
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:	2024-12-05
Sample tested Date:	2024-12-05 to 2025-02-11
Issue Date:	2025-02-11
Report No.:	BCTC2412907229-4E
Test Standards:	FCC Part15 15.407 ANSI C63.10-2013 KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
Test Results:	PASS

Tested by:

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

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

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2412907229-4E	2025-02-11	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℃

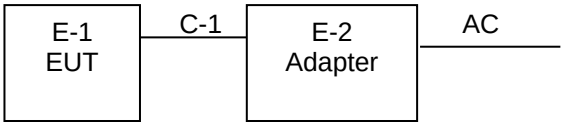
4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	DT3 DT3 S, DT3 Plus, DT3 Lite, DT3 Pro
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	HCT-P1100MB-A1
Software Version:	FOSSIBOT_DT3_F_V01
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax(40MHz channel bandwidth) 802.11ac/ax(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20)/ac(HT20)/ax(HT20); 5190-5230MHz for 802.11n(HT40)/ac(HT40)/ax(HT40); 5210MHz for 802.11 ac(HT80)/ax(HT80); 5745-5825 MHz for 802.11a/n(HT20)/ac(HT20)/ax(HT20); 5755-5795 MHz for 802.11n(HT40)/ac(HT40)/ax(HT40); 5775MHz for 802.11 ac(HT80)/ax(HT80);
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac/ax(VHT20): NSS1, MCS0-MCS8 802.11ac/ax(VHT40/VHT80):NSS1, MCS0-MCS9
Type of Modulation:	OFDM/OFDMA
Number Of Channel	Internal antenna
Antenna installation:	5.1G WIFI:Antenna A: 0.07 dBi, Antenna B: 1.11 dBi, 5.8G WIFI:Antenna A: -1.83 dBi, Antenna B: -0.75 dBi,
Antenna Gain:	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.
Ratings:	DC 11V from Adapter/ DC 3.87V from battery
Adapter Information:	Model: HJ-PD66W-US Input: 100-240V~ 50/60Hz 1.5A Output: DC 5.0V 3.0A 15.0W; OR DC 9.0V 3.0A 27.0W; OR DC 12.0V 3.0A 36.0W; OR DC 15.0V 3.0A 45.0W; OR DC 20.0V 3.25A 65.0W; OR DC 11.0V 6.0A 66.0W MAX

4.2 Test Setup Configuration

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



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Smart Tablet	FOSSIBOT	DT3	N/A	EUT
E-2	Adapter	N/A	HJ-PD66W-US	N/A	Auxiliary
E-3	TF card	SanDisk	32G	---	---

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	1M	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/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/ax(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

802.11ac/ax (80MHz) Carrier Frequency Channel	
Channel	Frequency (MHz)
42	5210

5.8G

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

802.11ac/ax 80MHz Carrier Frequency Channel	
Channel	**Frequency (MHz)**
155	5775

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 /n20/ ac20/ ax20 CH36/ CH40/ CH 48 802.11a /n20/ ac20/ ax20 CH149/ CH157/ CH 165
Mode 2	802.11n40/ ac40/ ax40 CH38/ CH 46 802.11n40/ ac40/ ax40 CH 151 / CH 159
Mode 3	802.11 ac80/ ax80 CH 42/CH 155
Mode 4	Transmitting (Conducted emission & Radiated emission)

Note:

(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
(2) We're testing antenna A data.
(3) The product 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

4.7 Antenna

5.1G
1)For power spectral density(PSD) measurements,
Array Gain=10log(NANT/NSS)dB=10log(2/1)=3.01dB,
So the directional gain for PSD is 4.12 dBi
2)For power measurements,
The Array gain=0 dB for NANT≤4,
So the directional gain for Power measurements is 1.11 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	0.07	N/A
B	N/A	N/A	Internal antenna	1.11	N/A

5.8G
1)For power spectral density(PSD) measurements,
Array Gain=10log(NANT/NSS)dB=10log(2/1)=3.01dB,
So the directional gain for PSD is 2.26 dBi
2)For power measurements,
The Array gain=0 dB for NANT≤4,
So the directional gain for Power measurements is 0.75 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	-1.83	N/A
B	N/A	N/A	Internal antenna	-0.75	N/A

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain.

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

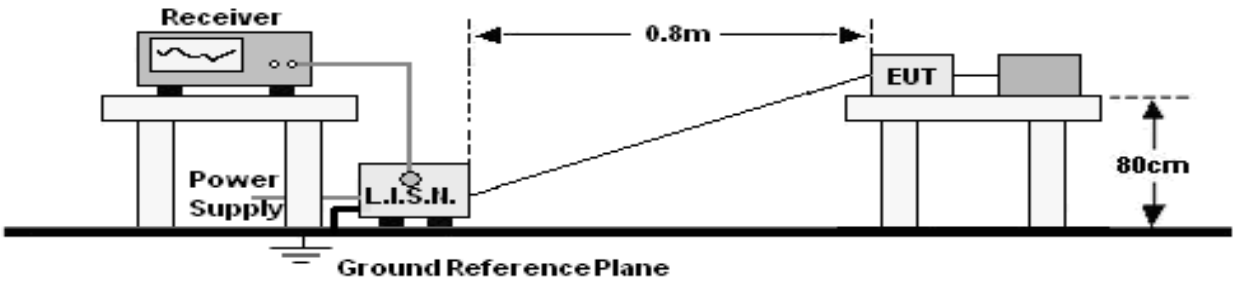
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025

RF Conducted Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Radio frequency control box	MAIWEI	MW100-RFCB	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber02)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	SKET	966 Room	966	Oct. 31. 2024	Oct. 30. 2027
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRI7	100010	Oct. 31. 2024	Oct. 30. 2025
Amplifier	SKET	LNPA-30M01G-30	SK2021082004	Oct. 31. 2024	Oct. 30. 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	May 21, 2024	May 20, 2025
Loop Antenna(9KHz-30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025
Amplifier	SKET	LAPA_01G18G-45dB	SK2021040901	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18GHz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn Antenna(18GHz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Frequency (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00
Notes: 1. *Decreasing linearly with logarithm of frequency. 2. The lower limit shall apply at the transition frequencies.		

6.3 Test Procedure

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

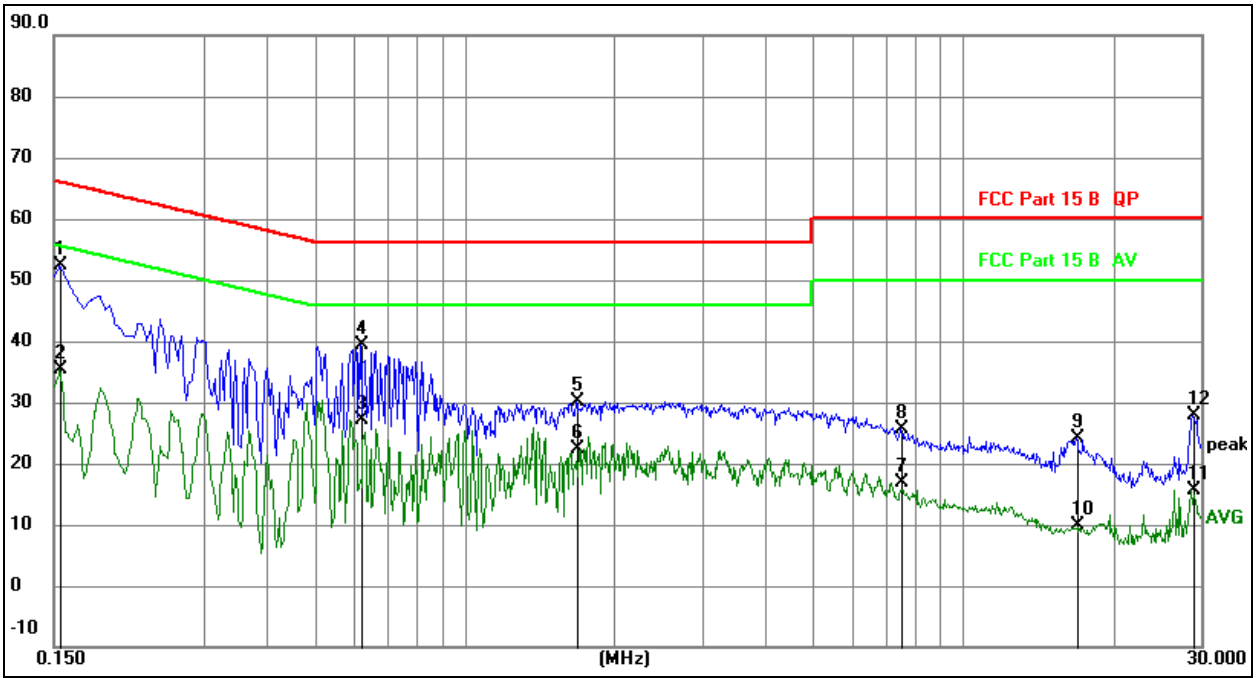
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak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

6.4 EUT Operating Conditions

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

6.5 Test Result

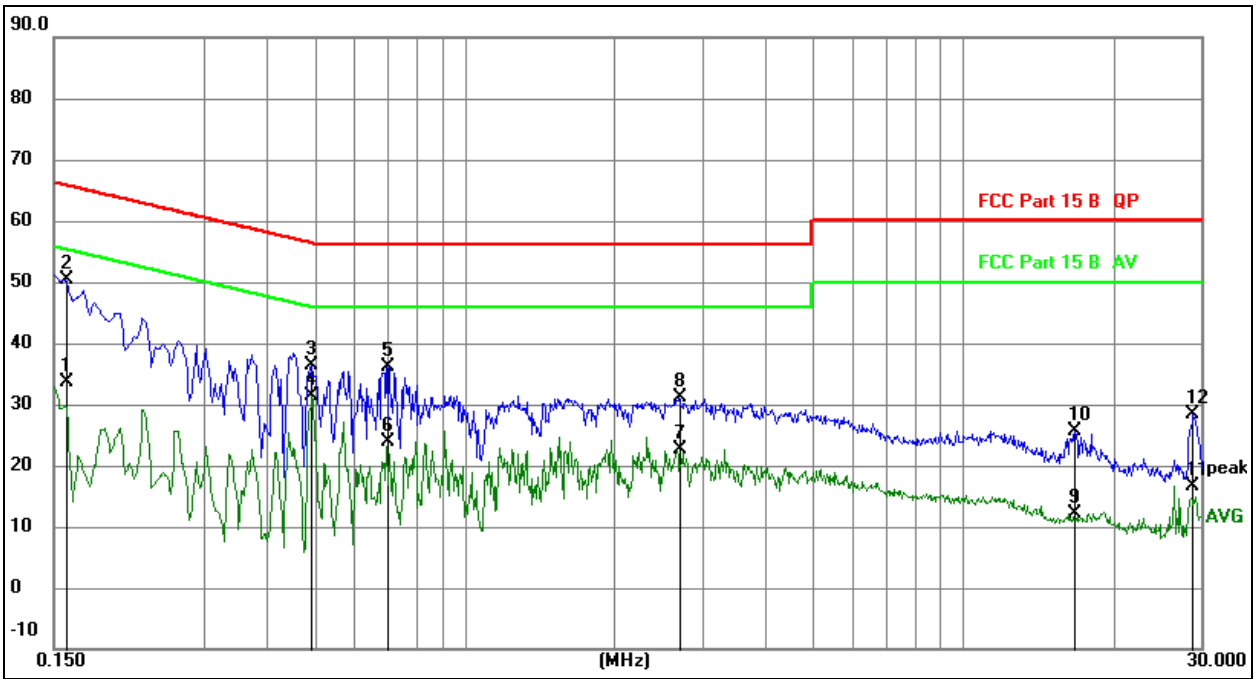
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1	*	0.1545	32.35	20.07	52.42	65.75	-13.33	QP
2		0.1545	15.31	20.07	35.38	55.75	-20.37	AVG
3		0.6180	7.00	20.09	27.09	46.00	-18.91	AVG
4		0.6180	19.19	20.09	39.28	56.00	-16.72	QP
5		1.6755	10.08	20.10	30.18	56.00	-25.82	QP
6		1.6755	2.34	20.10	22.44	46.00	-23.56	AVG
7		7.5210	-3.30	20.16	16.86	50.00	-33.14	AVG
8		7.5210	5.38	20.16	25.54	60.00	-34.46	QP
9		16.8675	3.89	20.32	24.21	60.00	-35.79	QP
10		16.8675	-10.49	20.32	9.83	50.00	-40.17	AVG
11		28.9950	-4.74	20.28	15.54	50.00	-34.46	AVG
12		28.9950	7.71	20.28	27.99	60.00	-32.01	QP

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



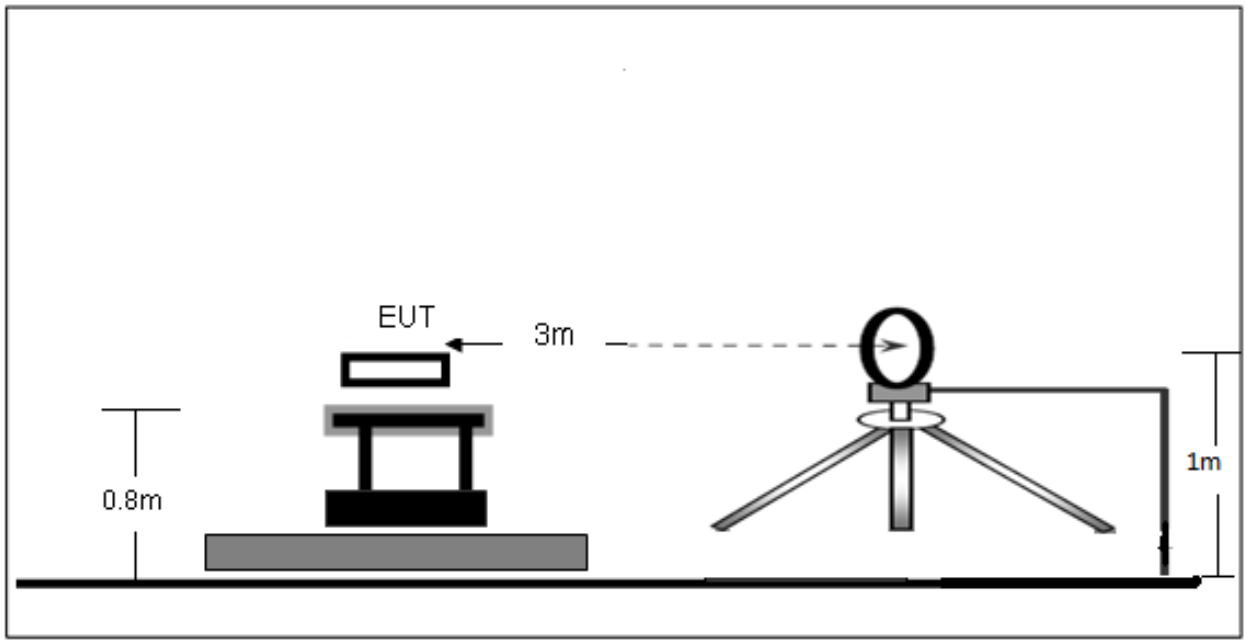
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1582	13.67	20.07	33.74	55.56	-21.82	AVG
2		0.1582	30.41	20.07	50.48	65.56	-15.08	QP
3		0.4915	16.23	20.08	36.31	56.14	-19.83	QP
4	*	0.4915	11.19	20.08	31.27	46.14	-14.87	AVG
5		0.6973	16.07	20.09	36.16	56.00	-19.84	QP
6		0.6973	3.67	20.09	23.76	46.00	-22.24	AVG
7		2.6925	2.44	20.11	22.55	46.00	-23.45	AVG
8		2.6925	10.91	20.11	31.02	56.00	-24.98	QP
9		16.7497	-8.18	20.32	12.14	50.00	-37.86	AVG
10		16.7497	5.35	20.32	25.67	60.00	-34.33	QP
11		28.9077	-3.71	20.28	16.57	50.00	-33.43	AVG
12		28.9077	8.02	20.28	28.30	60.00	-31.70	QP

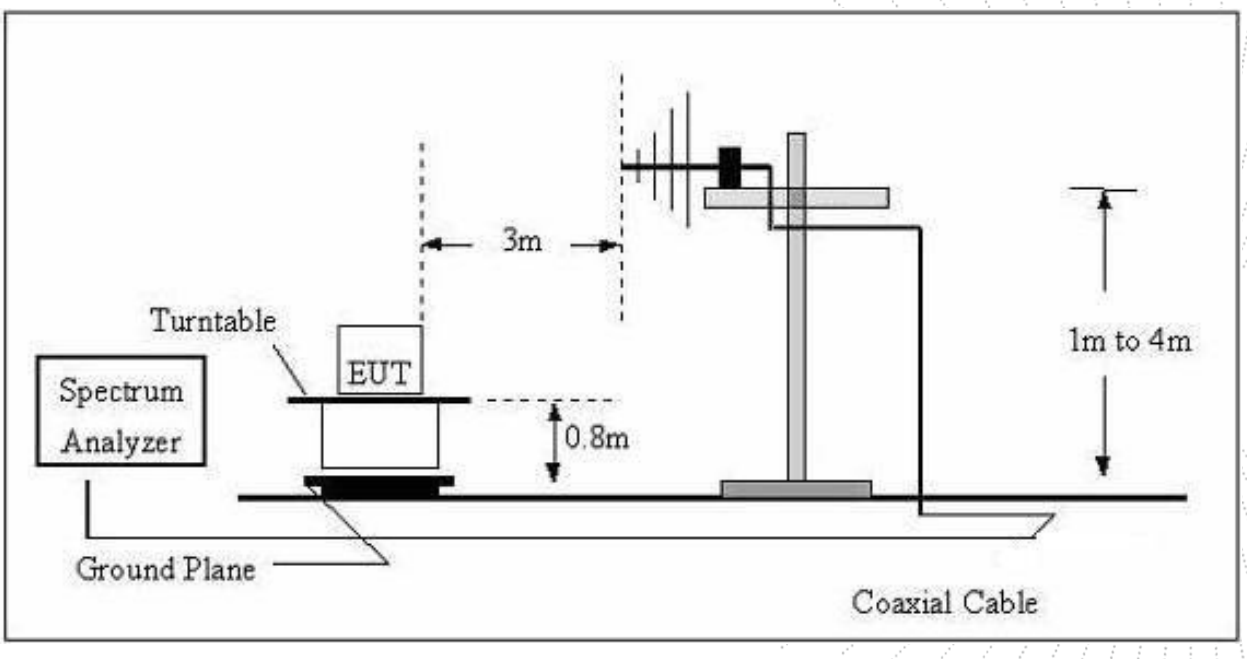
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

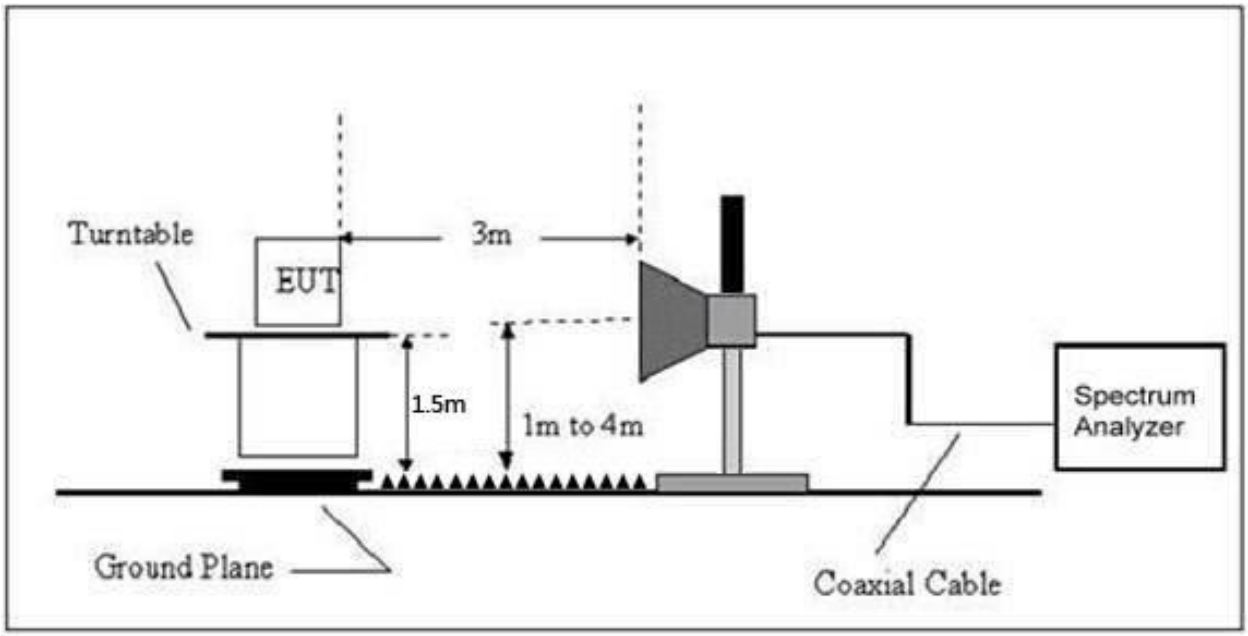
（A）Radiated Emission Test-Up Frequency Below 30MHz



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

Limits Of Radiated Emission Measurement (Above 1000MHz)

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

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

7.3 Test Procedure

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

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

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

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

Note:

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

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

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

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

7.4 EUT Operating Conditions

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

7.5 Test Result

Below 30MHz

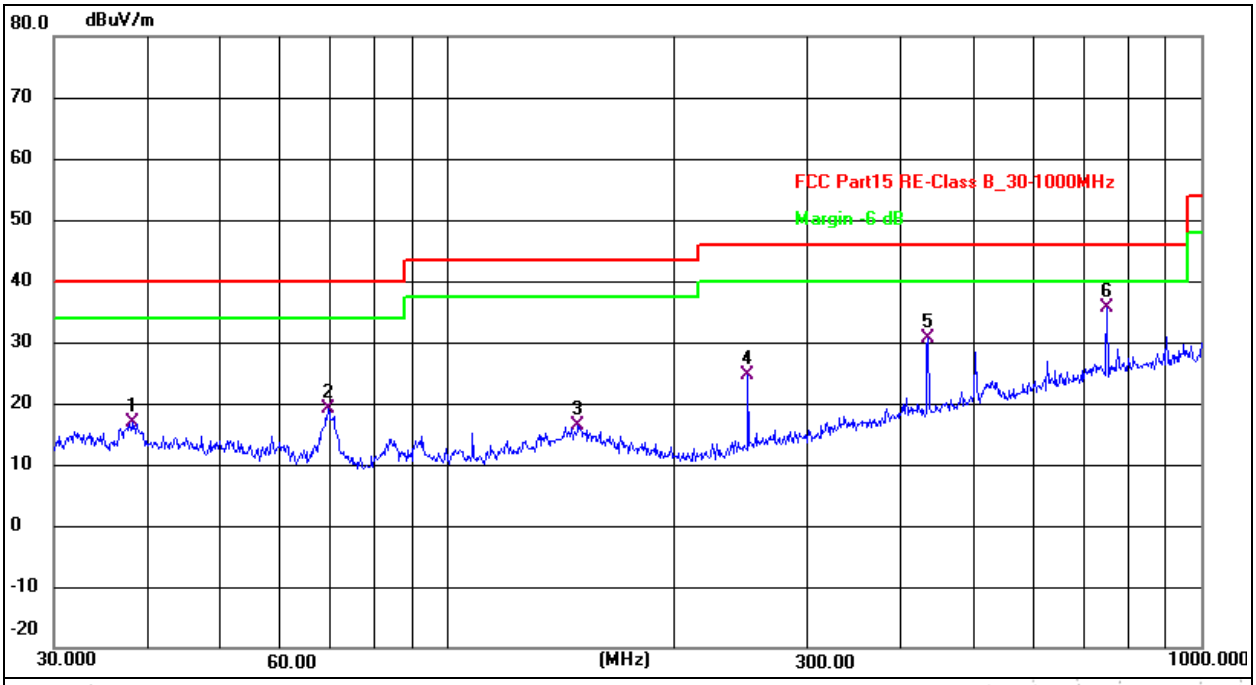
Temperature:	26℃	Relative Humidity:	24%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	--

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

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

Between 30MHz – 1GHz

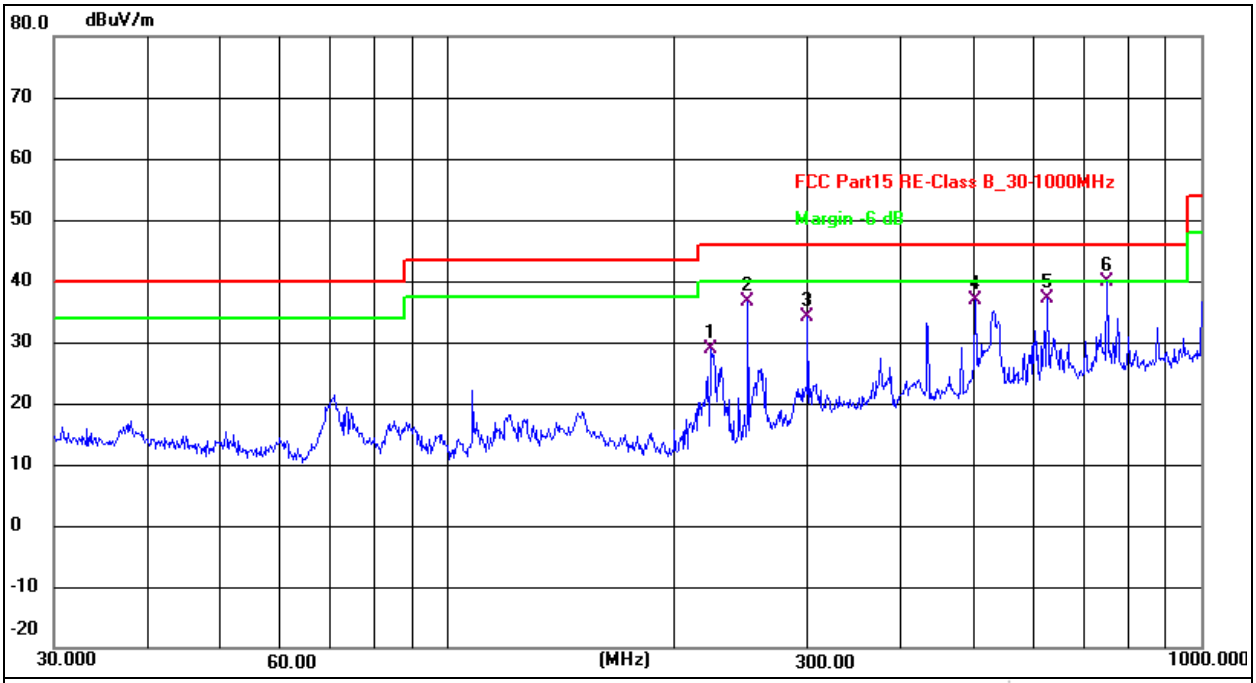
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.0783	29.75	-12.79	16.96	40.00	-23.04	QP
2	69.3568	34.10	-15.05	19.05	40.00	-20.95	QP
3	148.9625	27.35	-10.99	16.36	43.50	-27.14	QP
4	250.3012	37.25	-12.59	24.66	46.00	-21.34	QP
5	434.0651	37.51	-6.78	30.73	46.00	-15.27	QP
6 *	750.1083	35.48	0.05	35.53	46.00	-10.47	QP

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	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.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	223.7334	42.44	-13.65	28.79	46.00	-17.21	QP
2	250.3012	49.22	-12.59	36.63	46.00	-9.37	QP
3	300.3672	44.67	-10.59	34.08	46.00	-11.92	QP
4	501.1790	42.10	-5.17	36.93	46.00	-9.07	QP
5	625.0780	39.19	-2.05	37.14	46.00	-8.86	QP
6 *	750.1083	39.73	0.05	39.78	46.00	-6.22	QP

Between 1GHz – 40GHz

Test Mode:	TX(5.1G) - 802.11a

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.156	71.56	-20.73	50.83	68.2	-17.37	PK
Vertical	4434.156	59.35	-20.73	38.62	54	-15.38	AV
Vertical	10360.149	61.37	-9.36	52.01	68.2	-16.19	PK
Vertical	10360.149	49.35	-9.36	39.99	54	-14.01	AV
Vertical	15540.122	64.06	-7.84	56.22	74	-17.78	PK
Vertical	15540.122	49.03	-7.84	41.19	54	-12.81	AV
Horizontal	4434.073	72.09	-20.73	51.36	68.2	-16.84	PK
Horizontal	4434.073	59.35	-20.73	38.62	54	-15.38	AV
Horizontal	10360.191	60.22	-9.36	50.86	68.2	-17.34	PK
Horizontal	10360.191	49.61	-9.36	40.25	54	-13.75	AV
Horizontal	15540.183	62.08	-7.84	54.24	74	-19.76	PK
Horizontal	15540.183	49.88	-7.84	42.04	54	-11.96	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.147	71.93	-20.42	51.51	74	-22.49	PK
Vertical	4592.147	59.96	-20.42	39.54	54	-14.46	AV
Vertical	10400.030	60.73	-9.30	51.43	68.2	-16.77	PK
Vertical	10400.030	49.82	-9.30	40.52	54	-13.48	AV
Vertical	15600.155	64.61	-7.82	56.79	74	-17.21	PK
Vertical	15600.155	49.18	-7.82	41.36	54	-12.64	AV
Horizontal	4592.094	71.10	-20.42	50.69	74	-23.31	PK
Horizontal	4592.094	59.42	-20.42	39.00	54	-15.00	AV
Horizontal	10400.200	64.20	-9.30	54.90	68.2	-13.30	PK
Horizontal	10400.200	49.64	-9.30	40.34	54	-13.66	AV
Horizontal	15600.078	62.40	-7.82	54.58	74	-19.42	PK
Horizontal	15600.078	49.91	-7.82	42.09	54	-11.91	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.149	72.21	-20.12	52.08	74	-21.92	PK
Vertical	4739.149	59.59	-20.12	39.47	54	-14.53	AV
Vertical	10480.189	60.95	-9.18	51.77	68.2	-16.43	PK
Vertical	10480.189	49.36	-9.18	40.18	54	-13.82	AV
Vertical	15720.072	60.85	-7.78	53.07	74	-20.93	PK
Vertical	15720.072	49.25	-7.78	41.47	54	-12.53	AV
Horizontal	4739.171	70.94	-20.12	50.82	74	-23.18	PK
Horizontal	4739.171	59.32	-20.12	39.19	54	-14.81	AV
Horizontal	10480.116	63.37	-9.18	54.19	68.2	-14.01	PK
Horizontal	10480.116	49.21	-9.18	40.03	54	-13.97	AV
Horizontal	15720.162	63.74	-7.78	55.96	74	-18.04	PK
Horizontal	15720.162	49.48	-7.78	41.70	54	-12.30	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.
The worst case is Antenna A

Test Mode:	TX(5.1G) - 802.11n-HT20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.171	71.59	-20.73	50.86	68.2	-17.34	PK
Vertical	4434.171	59.63	-20.73	38.90	54	-15.10	AV
Vertical	10360.059	60.68	-9.36	51.32	68.2	-16.88	PK
Vertical	10360.059	49.83	-9.36	40.47	54	-13.53	AV
Vertical	15540.114	60.97	-7.84	53.13	74	-20.87	PK
Vertical	15540.114	49.87	-7.84	42.03	54	-11.97	AV
Horizontal	4434.197	71.04	-20.73	50.31	68.2	-17.89	PK
Horizontal	4434.197	59.55	-20.73	38.82	54	-15.18	AV
Horizontal	10360.186	64.58	-9.36	55.22	68.2	-12.98	PK
Horizontal	10360.186	49.95	-9.36	40.59	54	-13.41	AV
Horizontal	15540.033	60.15	-7.84	52.31	74	-21.69	PK
Horizontal	15540.033	49.42	-7.84	41.58	54	-12.42	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.064	70.92	-20.42	50.50	74	-23.50	PK
Vertical	4592.064	59.53	-20.42	39.11	54	-14.89	AV
Vertical	10400.148	62.47	-9.30	53.17	68.2	-15.03	PK
Vertical	10400.148	49.37	-9.30	40.07	54	-13.93	AV
Vertical	15600.120	62.32	-7.82	54.50	74	-19.50	PK
Vertical	15600.120	49.35	-7.82	41.53	54	-12.47	AV
Horizontal	4592.020	72.78	-20.42	52.37	74	-21.63	PK
Horizontal	4592.020	59.96	-20.42	39.54	54	-14.46	AV
Horizontal	10400.025	60.93	-9.30	51.63	68.2	-16.57	PK
Horizontal	10400.025	49.51	-9.30	40.21	54	-13.79	AV
Horizontal	15600.116	60.01	-7.82	52.19	74	-21.81	PK
Horizontal	15600.116	49.51	-7.82	41.69	54	-12.31	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.060	72.19	-20.12	52.07	74	-21.93	PK
Vertical	4739.060	59.13	-20.12	39.01	54	-14.99	AV
Vertical	10480.148	61.57	-9.18	52.39	68.2	-15.81	PK
Vertical	10480.148	49.29	-9.18	40.11	54	-13.89	AV
Vertical	15720.077	60.48	-7.78	52.70	74	-21.30	PK
Vertical	15720.077	49.03	-7.78	41.25	54	-12.75	AV
Horizontal	4739.021	71.78	-20.12	51.66	74	-22.34	PK
Horizontal	4739.021	59.75	-20.12	39.63	54	-14.37	AV
Horizontal	10480.187	63.20	-9.18	54.02	68.2	-14.18	PK
Horizontal	10480.187	49.47	-9.18	40.29	54	-13.71	AV
Horizontal	15720.018	64.86	-7.78	57.08	74	-16.92	PK
Horizontal	15720.018	49.38	-7.78	41.60	54	-12.40	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11n-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.002	73.56	-20.73	52.82	68.2	-15.38	PK
Vertical	4434.002	59.63	-20.73	38.90	54	-15.10	AV
Vertical	10380.108	64.64	-9.33	55.31	68.2	-12.89	PK
Vertical	10380.108	49.59	-9.33	40.26	54	-13.74	AV
Vertical	15570.172	61.40	-7.83	53.57	74	-20.43	PK
Vertical	15570.172	49.28	-7.83	41.45	54	-12.55	AV
Horizontal	4434.131	71.83	-20.73	51.10	74	-22.90	PK
Horizontal	4434.131	59.79	-20.73	39.05	54	-14.95	AV
Horizontal	10380.014	60.64	-9.33	51.31	68.2	-16.89	PK
Horizontal	10380.014	49.76	-9.33	40.43	54	-13.57	AV
Horizontal	15570.081	61.29	-7.83	53.46	74	-20.54	PK
Horizontal	15570.081	49.17	-7.83	41.34	54	-12.66	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.142	73.99	-20.12	53.87	68.2	-14.33	PK
Vertical	4739.142	59.68	-20.12	39.55	54	-14.45	AV
Vertical	10460.023	61.55	-9.21	52.34	68.2	-15.86	PK
Vertical	10460.023	49.06	-9.21	39.85	54	-14.15	AV
Vertical	15690.172	62.68	-7.79	54.89	74	-19.11	PK
Vertical	15690.172	49.50	-7.79	41.71	54	-12.29	AV
Horizontal	4739.169	74.59	-20.12	54.47	68.2	-13.73	PK
Horizontal	4739.169	59.82	-20.12	39.69	54	-14.31	AV
Horizontal	10460.165	63.82	-9.21	54.61	68.2	-13.59	PK
Horizontal	10460.165	49.90	-9.21	40.69	54	-13.31	AV
Horizontal	15690.157	60.52	-7.79	52.73	74	-21.27	PK
Horizontal	15690.157	49.74	-7.79	41.95	54	-12.05	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.112	71.14	-20.73	50.41	68.2	-17.79	PK
Vertical	4434.112	59.81	-20.73	39.08	54	-14.92	AV
Vertical	10360.128	64.27	-9.36	54.91	68.2	-13.29	PK
Vertical	10360.128	49.84	-9.36	40.48	54	-13.52	AV
Vertical	15540.029	62.47	-7.84	54.63	74	-19.37	PK
Vertical	15540.029	49.04	-7.84	41.20	54	-12.80	AV
Horizontal	4434.194	73.71	-20.73	52.98	68.2	-15.22	PK
Horizontal	4434.194	59.49	-20.73	38.76	54	-15.24	AV
Horizontal	10360.150	63.60	-9.36	54.24	68.2	-13.96	PK
Horizontal	10360.150	49.01	-9.36	39.65	54	-14.35	AV
Horizontal	15540.156	61.81	-7.84	53.97	74	-20.03	PK
Horizontal	15540.156	49.22	-7.84	41.38	54	-12.62	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.076	70.47	-20.42	50.06	74	-23.94	PK
Vertical	4592.076	59.58	-20.42	39.17	54	-14.83	AV
Vertical	10400.067	61.17	-9.30	51.87	68.2	-16.33	PK
Vertical	10400.067	49.68	-9.30	40.38	54	-13.62	AV
Vertical	15600.009	61.38	-7.82	53.56	74	-20.44	PK
Vertical	15600.009	49.34	-7.82	41.52	54	-12.48	AV
Horizontal	4592.198	72.24	-20.42	51.82	74	-22.18	PK
Horizontal	4592.198	59.82	-20.42	39.40	54	-14.60	AV
Horizontal	10400.163	60.07	-9.30	50.77	68.2	-17.43	PK
Horizontal	10400.163	49.32	-9.30	40.02	54	-13.98	AV
Horizontal	15600.017	63.21	-7.82	55.39	74	-18.61	PK
Horizontal	15600.017	49.68	-7.82	41.86	54	-12.14	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.172	70.62	-20.12	50.50	74	-23.50	PK
Vertical	4739.172	59.35	-20.12	39.23	54	-14.77	AV
Vertical	10480.052	61.89	-9.18	52.71	68.2	-15.49	PK
Vertical	10480.052	49.72	-9.18	40.54	54	-13.46	AV
Vertical	15720.098	61.77	-7.78	53.99	74	-20.01	PK
Vertical	15720.098	49.77	-7.78	41.99	54	-12.01	AV
Horizontal	4739.012	72.07	-20.12	51.95	74	-22.05	PK
Horizontal	4739.012	59.78	-20.12	39.66	54	-14.34	AV
Horizontal	10480.004	62.72	-9.18	53.54	68.2	-14.66	PK
Horizontal	10480.004	49.59	-9.18	40.41	54	-13.59	AV
Horizontal	15720.003	62.93	-7.78	55.15	74	-18.85	PK
Horizontal	15720.003	49.55	-7.78	41.77	54	-12.23	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.053	71.67	-20.73	50.94	68.2	-17.26	PK
Vertical	4434.053	59.76	-20.73	39.03	54	-14.97	AV
Vertical	10380.149	63.37	-9.33	54.04	68.2	-14.16	PK
Vertical	10380.149	49.07	-9.33	39.74	54	-14.26	AV
Vertical	15570.092	60.60	-7.83	52.77	74	-21.23	PK
Vertical	15570.092	49.77	-7.83	41.94	54	-12.06	AV
Horizontal	4434.105	72.12	-20.73	51.39	74	-22.61	PK
Horizontal	4434.105	59.24	-20.73	38.50	54	-15.50	AV
Horizontal	10380.009	60.06	-9.33	50.73	68.2	-17.47	PK
Horizontal	10380.009	49.55	-9.33	40.22	54	-13.78	AV
Horizontal	15570.082	63.42	-7.83	55.59	74	-18.41	PK
Horizontal	15570.082	49.99	-7.83	42.16	54	-11.84	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.053	74.56	-20.12	54.43	68.2	-13.77	PK
Vertical	4739.053	59.61	-20.12	39.49	54	-14.51	AV
Vertical	10460.144	62.30	-9.21	53.09	68.2	-15.11	PK
Vertical	10460.144	49.90	-9.21	40.69	54	-13.31	AV
Vertical	15690.130	61.74	-7.79	53.95	74	-20.05	PK
Vertical	15690.130	49.61	-7.79	41.82	54	-12.18	AV
Horizontal	4739.123	74.37	-20.12	54.24	68.2	-13.96	PK
Horizontal	4739.123	59.10	-20.12	38.98	54	-15.02	AV
Horizontal	10460.024	64.27	-9.21	55.06	68.2	-13.14	PK
Horizontal	10460.024	49.24	-9.21	40.03	54	-13.97	AV
Horizontal	15690.038	64.23	-7.79	56.44	74	-17.56	PK
Horizontal	15690.038	49.61	-7.79	41.82	54	-12.18	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac 80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5210 MHz)-Above 1G							
Vertical	4434.167	71.15	-20.73	50.42	68.2	-17.78	PK
Vertical	4434.167	59.16	-20.73	38.43	54	-15.57	AV
Vertical	10420.099	62.90	-9.27	53.63	68.2	-14.57	PK
Vertical	10420.099	49.62	-9.27	40.35	54	-13.65	AV
Vertical	15630.143	60.94	-7.81	53.13	74	-20.87	PK
Vertical	15630.143	49.40	-7.81	41.59	54	-12.41	AV
Horizontal	4434.133	73.23	-20.73	52.50	68.2	-15.70	PK
Horizontal	4434.133	59.23	-20.73	38.50	54	-15.50	AV
Horizontal	10420.102	44.50	9.27	53.77	68.2	-14.43	PK
Horizontal	10420.102	29.89	9.27	39.16	54	-14.84	AV
Horizontal	15630.109	63.20	-7.81	55.39	74	-18.61	PK
Horizontal	15630.109	49.05	-7.81	41.24	54	-12.76	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ax-HT20

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.041	74.96	-20.73	54.23	68.2	-13.97	PK
Vertical	4434.041	59.55	-20.73	38.82	54	-15.18	AV
Vertical	10360.145	60.67	-9.36	51.31	68.2	-16.89	PK
Vertical	10360.145	49.49	-9.36	40.13	54	-13.87	AV
Vertical	15540.002	63.70	-7.84	55.86	74	-18.14	PK
Vertical	15540.002	49.48	-7.84	41.64	54	-12.36	AV
Horizontal	4434.172	74.86	-20.73	54.13	68.2	-14.07	PK
Horizontal	4434.172	59.76	-20.73	39.03	54	-14.97	AV
Horizontal	10360.173	63.83	-9.36	54.47	68.2	-13.73	PK
Horizontal	10360.173	49.08	-9.36	39.72	54	-14.28	AV
Horizontal	15540.148	64.81	-7.84	56.97	74	-17.03	PK
Horizontal	15540.148	49.76	-7.84	41.92	54	-12.08	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.182	71.25	-20.42	50.84	74	-23.16	PK
Vertical	4592.182	59.28	-20.42	38.87	54	-15.13	AV
Vertical	10400.193	63.80	-9.30	54.50	68.2	-13.70	PK
Vertical	10400.193	49.11	-9.30	39.81	54	-14.19	AV
Vertical	15600.110	62.73	-7.82	54.91	74	-19.09	PK
Vertical	15600.110	49.49	-7.82	41.67	54	-12.33	AV
Horizontal	4592.047	71.34	-20.42	50.92	74	-23.08	PK
Horizontal	4592.047	59.59	-20.42	39.17	54	-14.83	AV
Horizontal	10400.058	60.30	-9.30	51.00	68.2	-17.20	PK
Horizontal	10400.058	49.62	-9.30	40.32	54	-13.68	AV
Horizontal	15600.065	62.58	-7.82	54.76	74	-19.24	PK
Horizontal	15600.065	49.56	-7.82	41.74	54	-12.26	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.049	74.00	-20.12	53.88	74	-20.12	PK
Vertical	4739.049	59.95	-20.12	39.82	54	-14.18	AV
Vertical	10480.081	60.21	-9.18	51.03	68.2	-17.17	PK
Vertical	10480.081	49.87	-9.18	40.69	54	-13.31	AV
Vertical	15720.121	64.81	-7.78	57.03	74	-16.97	PK
Vertical	15720.121	49.99	-7.78	42.21	54	-11.79	AV
Horizontal	4739.006	71.11	-20.12	50.99	74	-23.01	PK
Horizontal	4739.006	59.80	-20.12	39.68	54	-14.32	AV
Horizontal	10480.043	60.66	-9.18	51.48	68.2	-16.72	PK
Horizontal	10480.043	49.15	-9.18	39.97	54	-14.03	AV
Horizontal	15720.197	63.77	-7.78	55.99	74	-18.01	PK
Horizontal	15720.197	49.50	-7.78	41.72	54	-12.28	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ax-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.058	70.84	-20.73	50.11	68.2	-18.09	PK
Vertical	4434.058	59.75	-20.73	39.02	54	-14.98	AV
Vertical	10380.027	64.06	-9.33	54.73	68.2	-13.47	PK
Vertical	10380.027	49.24	-9.33	39.91	54	-14.09	AV
Vertical	15570.108	63.06	-7.83	55.23	74	-18.77	PK
Vertical	15570.108	49.23	-7.83	41.40	54	-12.60	AV
Horizontal	4434.017	74.26	-20.73	53.53	74	-20.47	PK
Horizontal	4434.017	59.59	-20.73	38.85	54	-15.15	AV
Horizontal	10380.167	64.22	-9.33	54.89	68.2	-13.31	PK
Horizontal	10380.167	49.93	-9.33	40.60	54	-13.40	AV
Horizontal	15570.086	63.33	-7.83	55.50	74	-18.50	PK
Horizontal	15570.086	49.88	-7.83	42.05	54	-11.95	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.042	70.13	-20.12	50.01	68.2	-18.19	PK
Vertical	4739.042	59.20	-20.12	39.08	54	-14.92	AV
Vertical	10460.004	63.67	-9.21	54.46	68.2	-13.74	PK
Vertical	10460.004	49.56	-9.21	40.35	54	-13.65	AV
Vertical	15690.023	62.83	-7.79	55.04	74	-18.96	PK
Vertical	15690.023	49.28	-7.79	41.49	54	-12.51	AV
Horizontal	4739.169	73.21	-20.12	53.09	68.2	-15.11	PK
Horizontal	4739.169	59.05	-20.12	38.93	54	-15.07	AV
Horizontal	10460.160	60.31	-9.21	51.10	68.2	-17.10	PK
Horizontal	10460.160	49.67	-9.21	40.46	54	-13.54	AV
Horizontal	15690.112	63.82	-7.79	56.03	74	-17.97	PK
Horizontal	15690.112	49.74	-7.79	41.95	54	-12.05	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ax 80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5210 MHz)-Above 1G							
Vertical	4434.143	73.90	-20.73	53.17	68.2	-15.03	PK
Vertical	4434.143	59.61	-20.73	38.88	54	-15.12	AV
Vertical	10420.188	64.61	-9.27	55.34	68.2	-12.86	PK
Vertical	10420.188	49.39	-9.27	40.12	54	-13.88	AV
Vertical	15630.167	62.79	-7.81	54.98	74	-19.02	PK
Vertical	15630.167	49.27	-7.81	41.46	54	-12.54	AV
Horizontal	4434.017	73.74	-20.73	53.01	68.2	-15.19	PK
Horizontal	4434.017	59.17	-20.73	38.43	54	-15.57	AV
Horizontal	10420.078	40.91	9.27	50.18	68.2	-18.02	PK
Horizontal	10420.078	29.63	9.27	38.90	54	-15.10	AV
Horizontal	15630.002	62.03	-7.81	54.22	74	-19.78	PK
Horizontal	15630.002	49.17	-7.81	41.36	54	-12.64	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX (5.8G) -- 802.11a

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.134	72.24	-20.24	52.00	74	-22.00	PK
Vertical	4679.134	59.03	-20.24	38.79	54	-15.21	AV
Vertical	11490.122	60.95	-8.79	52.16	68.2	-16.04	PK
Vertical	11490.122	49.14	-8.79	40.35	54	-13.65	AV
Vertical	17235.194	56.04	-3.18	52.86	68.2	-15.34	PK
Vertical	17235.194	44.55	-3.18	41.37	54	-12.63	AV
Horizontal	4679.107	73.14	-20.73	52.41	74	-21.59	PK
Horizontal	4679.107	59.67	-20.73	38.94	54	-15.06	AV
Horizontal	11490.111	62.38	-8.79	53.59	68.2	-14.61	PK
Horizontal	11490.111	49.54	-8.79	40.75	54	-13.25	AV
Horizontal	17235.057	56.09	-3.18	52.91	68.2	-15.29	PK
Horizontal	17235.057	44.99	-3.18	41.81	54	-12.19	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.120	71.08	-20.42	50.67	74	-23.33	PK
Vertical	4592.120	59.25	-20.42	38.83	54	-15.17	AV
Vertical	11570.040	64.07	-8.86	55.21	68.2	-12.99	PK
Vertical	11570.040	49.51	-8.86	40.65	54	-13.35	AV
Vertical	17355.080	59.68	-2.52	57.16	68.2	-11.04	PK
Vertical	17355.080	44.90	-2.52	42.38	54	-11.62	AV
Horizontal	4592.032	72.38	-20.42	51.96	74	-22.04	PK
Horizontal	4592.032	59.39	-20.42	38.97	54	-15.03	AV
Horizontal	11570.041	64.99	-8.86	56.13	68.2	-12.07	PK
Horizontal	11570.041	49.57	-8.86	40.71	54	-13.29	AV
Horizontal	17355.199	58.13	-2.52	55.61	68.2	-12.59	PK
Horizontal	17355.199	44.46	-2.52	41.94	54	-12.06	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.067	72.53	-18.93	53.60	68.2	-14.60	PK
Vertical	6039.067	59.04	-18.93	40.10	54	-13.90	AV
Vertical	11650.065	63.95	-8.92	55.03	74	-18.97	PK
Vertical	11650.065	49.18	-8.92	40.26	54	-13.74	AV
Vertical	17475.021	58.47	-1.86	56.61	68.2	-11.59	PK
Vertical	17475.021	45.00	-1.86	43.14	54	-10.86	AV
Horizontal	6039.182	74.77	-18.93	55.84	68.2	-12.36	PK
Horizontal	6039.182	59.57	-18.93	40.64	54	-13.36	AV
Horizontal	11650.110	64.62	-8.92	55.70	74	-18.30	PK
Horizontal	11650.110	49.39	-8.92	40.47	54	-13.53	AV
Horizontal	17475.006	55.16	-1.86	53.30	68.2	-14.90	PK
Horizontal	17475.006	44.19	-1.86	42.33	54	-11.67	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.
The worst case is Antenna A

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

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.041	71.94	-20.24	51.70	74	-22.30	PK
Vertical	4679.041	59.33	-20.24	39.08	54	-14.92	AV
Vertical	11490.188	63.31	-8.79	54.52	68.2	-13.68	PK
Vertical	11490.188	49.15	-8.79	40.36	54	-13.64	AV
Vertical	17235.066	56.44	-3.18	53.26	68.2	-14.94	PK
Vertical	17235.066	44.40	-3.18	41.22	54	-12.78	AV
Horizontal	4679.083	71.77	-20.24	51.53	74	-22.47	PK
Horizontal	4679.083	59.69	-20.24	39.44	54	-14.56	AV
Horizontal	11490.070	60.70	-8.79	51.91	68.2	-16.29	PK
Horizontal	11490.070	50.00	-8.79	41.21	54	-12.79	AV
Horizontal	17235.012	57.51	-3.18	54.33	68.2	-13.87	PK
Horizontal	17235.012	44.17	-3.18	40.99	54	-13.01	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.084	74.14	-20.42	53.72	74	-20.28	PK
Vertical	4592.084	59.20	-20.42	38.79	54	-15.21	AV
Vertical	11570.199	61.08	-8.86	52.22	68.2	-15.98	PK
Vertical	11570.199	49.81	-8.86	40.95	54	-13.05	AV
Vertical	17355.140	56.65	-2.52	54.13	68.2	-14.07	PK
Vertical	17355.140	44.27	-2.52	41.75	54	-12.25	AV
Horizontal	4592.004	73.24	-20.42	52.82	74	-21.18	PK
Horizontal	4592.004	59.23	-20.42	38.82	54	-15.18	AV
Horizontal	11570.066	60.00	-8.86	51.14	68.2	-17.06	PK
Horizontal	11570.066	49.24	-8.86	40.38	54	-13.62	AV
Horizontal	17355.008	57.86	-2.52	55.34	68.2	-12.86	PK
Horizontal	17355.008	44.03	-2.52	41.51	54	-12.49	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.056	73.38	-18.93	54.45	68.2	-13.75	PK
Vertical	6039.056	59.52	-18.93	40.59	54	-13.41	AV
Vertical	11650.168	61.18	-8.92	52.26	74	-21.74	PK
Vertical	11650.168	49.99	-8.92	41.07	54	-12.93	AV
Vertical	17475.061	56.25	-1.86	54.39	68.2	-13.81	PK
Vertical	17475.061	44.01	-1.86	42.15	54	-11.85	AV
Horizontal	6039.029	73.13	-18.93	54.20	68.2	-14.00	PK
Horizontal	6039.029	59.99	-18.93	41.06	54	-12.94	AV
Horizontal	11650.128	61.20	-8.92	52.28	74	-21.72	PK
Horizontal	11650.128	49.13	-8.92	40.21	54	-13.79	AV
Horizontal	17475.147	57.76	-1.86	55.90	68.2	-12.30	PK
Horizontal	17475.147	44.45	-1.86	42.59	54	-11.41	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode:	TX (5.8G) -- 802.11n-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.142	71.12	-20.24	50.88	74	-23.12	PK
Vertical	4679.142	59.55	-20.24	39.30	54	-14.70	AV
Vertical	11510.131	61.30	-8.81	52.49	74	-21.51	PK
Vertical	11510.131	49.88	-8.81	41.07	54	-12.93	AV
Vertical	17265.060	55.50	-3.01	52.49	68.2	-15.71	PK
Vertical	17265.060	44.28	-3.01	41.27	54	-12.73	AV
Horizontal	4679.013	73.94	-20.24	53.70	74	-20.30	PK
Horizontal	4679.013	59.45	-20.24	39.20	54	-14.80	AV
Horizontal	11510.142	62.42	-8.81	53.61	74	-20.39	PK
Horizontal	11510.142	49.14	-8.81	40.33	54	-13.67	AV
Horizontal	17265.042	59.67	-3.01	56.66	68.2	-11.54	PK
Horizontal	17265.042	44.47	-3.01	41.46	54	-12.54	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.000	73.11	-18.93	54.18	68.2	-14.02	PK
Vertical	6039.000	59.75	-18.93	40.81	54	-13.19	AV
Vertical	11590.132	63.64	-8.87	54.77	74	-19.23	PK
Vertical	11590.132	49.54	-8.87	40.67	54	-13.33	AV
Vertical	17385.009	58.34	-2.35	55.99	68.2	-12.21	PK
Vertical	17385.009	44.56	-2.35	42.21	54	-11.79	AV
Horizontal	6039.032	70.87	-18.93	51.94	68.2	-16.26	PK
Horizontal	6039.032	59.09	-18.93	40.16	54	-13.84	AV
Horizontal	11590.151	61.60	-8.87	52.73	74	-21.27	PK
Horizontal	11590.151	49.95	-8.87	41.08	54	-12.92	AV
Horizontal	17385.141	59.12	-2.35	56.77	68.2	-11.43	PK
Horizontal	17385.141	44.80	-2.35	42.45	54	-11.55	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

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

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.072	74.73	-20.24	54.48	74	-19.52	PK
Vertical	4679.072	59.23	-20.24	38.99	54	-15.01	AV
Vertical	11490.118	64.93	-8.79	56.14	68.2	-12.06	PK
Vertical	11490.118	49.12	-8.79	40.33	54	-13.67	AV
Vertical	17235.021	59.27	-3.18	56.09	68.2	-12.11	PK
Vertical	17235.021	44.05	-3.18	40.87	54	-13.13	AV
Horizontal	4679.190	70.22	-20.24	49.98	74	-24.02	PK
Horizontal	4679.190	59.91	-20.24	39.67	54	-14.33	AV
Horizontal	11490.199	61.10	-8.79	52.31	68.2	-15.89	PK
Horizontal	11490.199	49.45	-8.79	40.66	54	-13.34	AV
Horizontal	17235.156	55.95	-3.18	52.77	68.2	-15.43	PK
Horizontal	17235.156	44.43	-3.18	41.25	54	-12.75	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.144	71.64	-20.42	51.23	74	-22.77	PK
Vertical	4592.144	59.57	-20.42	39.15	54	-14.85	AV
Vertical	11570.143	60.27	-8.86	51.41	68.2	-16.79	PK
Vertical	11570.143	49.68	-8.86	40.82	54	-13.18	AV
Vertical	17355.192	56.32	-2.52	53.80	68.2	-14.40	PK
Vertical	17355.192	44.33	-2.52	41.81	54	-12.19	AV
Horizontal	4592.087	70.49	-20.42	50.08	74	-23.92	PK
Horizontal	4592.087	59.63	-20.42	39.21	54	-14.79	AV
Horizontal	11570.069	60.13	-8.86	51.27	68.2	-16.93	PK
Horizontal	11570.069	49.04	-8.86	40.18	54	-13.82	AV
Horizontal	17355.169	58.63	-2.52	56.11	68.2	-12.09	PK
Horizontal	17355.169	44.80	-2.52	42.28	54	-11.72	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.053	74.03	-18.93	55.10	68.2	-13.10	PK
Vertical	6039.053	59.85	-18.93	40.92	54	-13.08	AV
Vertical	11650.175	62.41	-8.92	53.49	74	-20.51	PK
Vertical	11650.175	49.01	-8.92	40.09	54	-13.91	AV
Vertical	17475.017	58.88	-1.86	57.02	68.2	-11.18	PK
Vertical	17475.017	44.41	-1.86	42.55	54	-11.45	AV
Horizontal	6039.075	72.04	-18.93	53.11	68.2	-15.09	PK
Horizontal	6039.075	59.98	-18.93	41.05	54	-12.95	AV
Horizontal	11650.187	62.03	-8.92	53.11	74	-20.89	PK
Horizontal	11650.187	49.46	-8.92	40.54	54	-13.46	AV
Horizontal	17475.004	59.82	-1.86	57.96	68.2	-10.24	PK
Horizontal	17475.004	44.69	-1.86	42.83	54	-11.17	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ac-HT40

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure-ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.084	75.00	-20.24	54.76	74	-19.24	PK
Vertical	4679.084	59.44	-20.24	39.20	54	-14.80	AV
Vertical	11510.005	63.29	-8.81	54.48	74	-19.52	PK
Vertical	11510.005	49.00	-8.81	40.19	54	-13.81	AV
Vertical	17265.019	58.05	-3.01	55.04	68.2	-13.16	PK
Vertical	17265.019	44.25	-3.01	41.24	54	-12.76	AV
Horizontal	4679.194	74.32	-20.24	54.08	74	-19.92	PK
Horizontal	4679.194	59.44	-20.24	39.20	54	-14.80	AV
Horizontal	11510.116	62.01	-8.81	53.20	74	-20.80	PK
Horizontal	11510.116	49.15	-8.81	40.34	54	-13.66	AV
Horizontal	17265.017	58.75	-3.01	55.74	68.2	-12.46	PK
Horizontal	17265.017	44.51	-3.01	41.50	54	-12.50	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.050	71.05	-18.93	52.12	68.2	-16.08	PK
Vertical	6039.050	59.65	-18.93	40.72	54	-13.28	AV
Vertical	11590.053	62.05	-8.87	53.18	74	-20.82	PK
Vertical	11590.053	49.82	-8.87	40.95	54	-13.05	AV
Vertical	17385.019	58.15	-2.35	55.80	68.2	-12.40	PK
Vertical	17385.019	44.16	-2.35	41.81	54	-12.19	AV
Horizontal	6039.040	71.19	-18.93	52.26	68.2	-15.94	PK
Horizontal	6039.040	59.89	-18.93	40.95	54	-13.05	AV
Horizontal	11590.127	63.01	-8.87	54.14	74	-19.86	PK
Horizontal	11590.127	49.28	-8.87	40.41	54	-13.59	AV
Horizontal	17385.157	59.77	-2.35	57.42	68.2	-10.78	PK
Horizontal	17385.157	44.42	-2.35	42.07	54	-11.93	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ac 80

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure-ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5775 MHz)-Above 1G							
Vertical	4679.164	71.82	-20.24	51.58	74	-22.42	PK
Vertical	4679.164	59.83	-20.24	39.59	54	-14.41	AV
Vertical	11550.153	63.40	-8.84	54.56	74	-19.44	PK
Vertical	11550.153	49.59	-8.84	40.75	54	-13.25	AV
Vertical	17325.091	57.82	-2.68	55.14	68.2	-13.06	PK
Vertical	17325.091	44.57	-2.68	41.89	54	-12.11	AV
Horizontal	4679.162	71.57	-20.24	51.33	74	-22.67	PK
Horizontal	4679.162	59.55	-20.24	39.31	54	-14.69	AV
Horizontal	11550.128	61.82	-8.84	52.98	74	-21.02	PK
Horizontal	11550.128	49.37	-8.84	40.53	54	-13.47	AV
Horizontal	17325.065	59.19	-2.68	56.51	68.2	-11.69	PK
Horizontal	17325.065	44.46	-2.68	41.78	54	-12.22	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 is MIMO Mode.

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

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.097	74.38	-20.24	54.13	74	-19.87	PK
Vertical	4679.097	59.26	-20.24	39.01	54	-14.99	AV
Vertical	11490.186	63.20	-8.79	54.41	68.2	-13.79	PK
Vertical	11490.186	49.74	-8.79	40.95	54	-13.05	AV
Vertical	17235.007	58.61	-3.18	55.43	68.2	-12.77	PK
Vertical	17235.007	44.51	-3.18	41.33	54	-12.67	AV
Horizontal	4679.160	70.07	-20.24	49.82	74	-24.18	PK
Horizontal	4679.160	59.89	-20.24	39.65	54	-14.35	AV
Horizontal	11490.193	60.94	-8.79	52.15	68.2	-16.05	PK
Horizontal	11490.193	49.01	-8.79	40.22	54	-13.78	AV
Horizontal	17235.071	57.89	-3.18	54.71	68.2	-13.49	PK
Horizontal	17235.071	44.82	-3.18	41.64	54	-12.36	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.130	71.90	-20.42	51.49	74	-22.51	PK
Vertical	4592.130	59.06	-20.42	38.64	54	-15.36	AV
Vertical	11570.057	62.48	-8.86	53.62	68.2	-14.58	PK
Vertical	11570.057	49.54	-8.86	40.68	54	-13.32	AV
Vertical	17355.148	55.86	-2.52	53.34	68.2	-14.86	PK
Vertical	17355.148	44.74	-2.52	42.22	54	-11.78	AV
Horizontal	4592.100	73.74	-20.42	53.32	74	-20.68	PK
Horizontal	4592.100	59.22	-20.42	38.80	54	-15.20	AV
Horizontal	11570.089	60.67	-8.86	51.81	68.2	-16.39	PK
Horizontal	11570.089	49.40	-8.86	40.54	54	-13.46	AV
Horizontal	17355.073	58.35	-2.52	55.83	68.2	-12.37	PK
Horizontal	17355.073	44.77	-2.52	42.25	54	-11.75	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.158	73.37	-18.93	54.44	68.2	-13.76	PK
Vertical	6039.158	59.39	-18.93	40.46	54	-13.54	AV
Vertical	11650.041	60.68	-8.92	51.76	74	-22.24	PK
Vertical	11650.041	49.33	-8.92	40.41	54	-13.59	AV
Vertical	17475.082	58.62	-1.86	56.76	68.2	-11.44	PK
Vertical	17475.082	44.91	-1.86	43.05	54	-10.95	AV
Horizontal	6039.188	72.33	-18.93	53.39	68.2	-14.81	PK
Horizontal	6039.188	59.35	-18.93	40.42	54	-13.58	AV
Horizontal	11650.042	61.80	-8.92	52.88	74	-21.12	PK
Horizontal	11650.042	49.96	-8.92	41.04	54	-12.96	AV
Horizontal	17475.030	58.32	-1.86	56.46	68.2	-11.74	PK
Horizontal	17475.030	44.11	-1.86	42.25	54	-11.75	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ax-HT40

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure-ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.149	70.37	-20.24	50.13	74	-23.87	PK
Vertical	4679.149	59.97	-20.24	39.72	54	-14.28	AV
Vertical	11510.052	60.36	-8.81	51.55	74	-22.45	PK
Vertical	11510.052	49.48	-8.81	40.67	54	-13.33	AV
Vertical	17265.196	55.52	-3.01	52.51	68.2	-15.69	PK
Vertical	17265.196	44.82	-3.01	41.81	54	-12.19	AV
Horizontal	4679.010	70.80	-20.24	50.56	74	-23.44	PK
Horizontal	4679.010	59.79	-20.24	39.55	54	-14.45	AV
Horizontal	11510.194	63.39	-8.81	54.58	74	-19.42	PK
Horizontal	11510.194	49.19	-8.81	40.38	54	-13.62	AV
Horizontal	17265.081	56.44	-3.01	53.43	68.2	-14.77	PK
Horizontal	17265.081	44.78	-3.01	41.77	54	-12.23	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.097	70.13	-18.93	51.20	68.2	-17.00	PK
Vertical	6039.097	59.71	-18.93	40.78	54	-13.22	AV
Vertical	11590.090	60.61	-8.87	51.74	74	-22.26	PK
Vertical	11590.090	49.24	-8.87	40.37	54	-13.63	AV
Vertical	17385.086	57.40	-2.35	55.05	68.2	-13.15	PK
Vertical	17385.086	44.42	-2.35	42.07	54	-11.93	AV
Horizontal	6039.064	72.88	-18.93	53.94	68.2	-14.26	PK
Horizontal	6039.064	59.98	-18.93	41.05	54	-12.95	AV
Horizontal	11590.110	61.63	-8.87	52.76	74	-21.24	PK
Horizontal	11590.110	49.83	-8.87	40.96	54	-13.04	AV
Horizontal	17385.105	55.29	-2.35	52.94	68.2	-15.26	PK
Horizontal	17385.105	44.79	-2.35	42.44	54	-11.56	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ax 80

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure-ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5775 MHz)-Above 1G							
Vertical	4679.197	70.47	-20.24	50.23	74	-23.77	PK
Vertical	4679.197	59.49	-20.24	39.24	54	-14.76	AV
Vertical	11550.064	62.68	-8.84	53.84	74	-20.16	PK
Vertical	11550.064	49.60	-8.84	40.76	54	-13.24	AV
Vertical	17325.166	58.71	-2.68	56.03	68.2	-12.17	PK
Vertical	17325.166	44.38	-2.68	41.70	54	-12.30	AV
Horizontal	4679.077	72.26	-20.24	52.02	74	-21.98	PK
Horizontal	4679.077	59.44	-20.24	39.20	54	-14.80	AV
Horizontal	11550.089	62.53	-8.84	53.69	74	-20.31	PK
Horizontal	11550.089	49.90	-8.84	41.06	54	-12.94	AV
Horizontal	17325.197	55.68	-2.68	53.00	68.2	-15.20	PK
Horizontal	17325.197	44.42	-2.68	41.74	54	-12.26	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

- ☒Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n/ac has been tested and the worst result 802.11ac20 recorded as below:

Test mode: 802.11ac20(MIMO) Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.80	H	65.68	74	47.42	54
5150.25	V	65.32	74	46.41	54

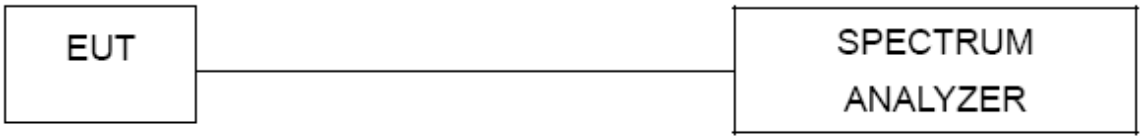
Test mode: 802.11ac20 Frequency(MHz): 5240

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5360.35	H	46.65	74	28.25	54
5360.25	V	45.25	74	27.34	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

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 ≥ 1/T, where T is defined in section II.B.I.a).
b) Set VBW ≥ 3 RBW.
c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.
Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

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 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.87V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

Condition	Mode	Frequency (MHz)	Measured Power Density (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5180	-2.6	**-2.07**	/	11	PASS
NVNT	a	5200	-2.08	-3.19	/	11	PASS
NVNT	a	5240	-2.55	-2.3	/	11	PASS
NVNT	n20	5180	-3.18	-2.98	-0.07	11	PASS
NVNT	n20	5200	-3.89	-3.35	-0.60	11	PASS
NVNT	n20	5240	-3.55	-4.19	-0.85	11	PASS
NVNT	n40	5190	-7.39	-9.02	-5.12	11	PASS
NVNT	n40	5230	-6.48	-8.57	-4.39	11	PASS
NVNT	ac20	5180	-3.21	-3.04	-0.11	11	PASS
NVNT	ac20	5200	-3.82	-2.81	-0.28	11	PASS
NVNT	ac20	5240	-3.67	-4.52	-1.06	11	PASS
NVNT	ac40	5190	-7.29	-8.85	-4.99	11	PASS
NVNT	ac40	5230	-6.96	-9.76	-5.13	11	PASS
NVNT	ac80	5210	-12.67	-16.7	-11.22	11	PASS
NVNT	ax20	5180	-3.29	-4.06	-0.65	11	PASS
NVNT	ax20	5200	-3.64	-3.69	-0.65	11	PASS
NVNT	ax20	5240	-4.04	-4.45	-1.23	11	PASS
NVNT	ax40	5190	-6.8	-9.4	-4.90	11	PASS
NVNT	ax40	5230	-6.69	-9.9	-4.99	11	PASS
NVNT	ax80	5210	-12.68	-16.59	-11.20	11	PASS

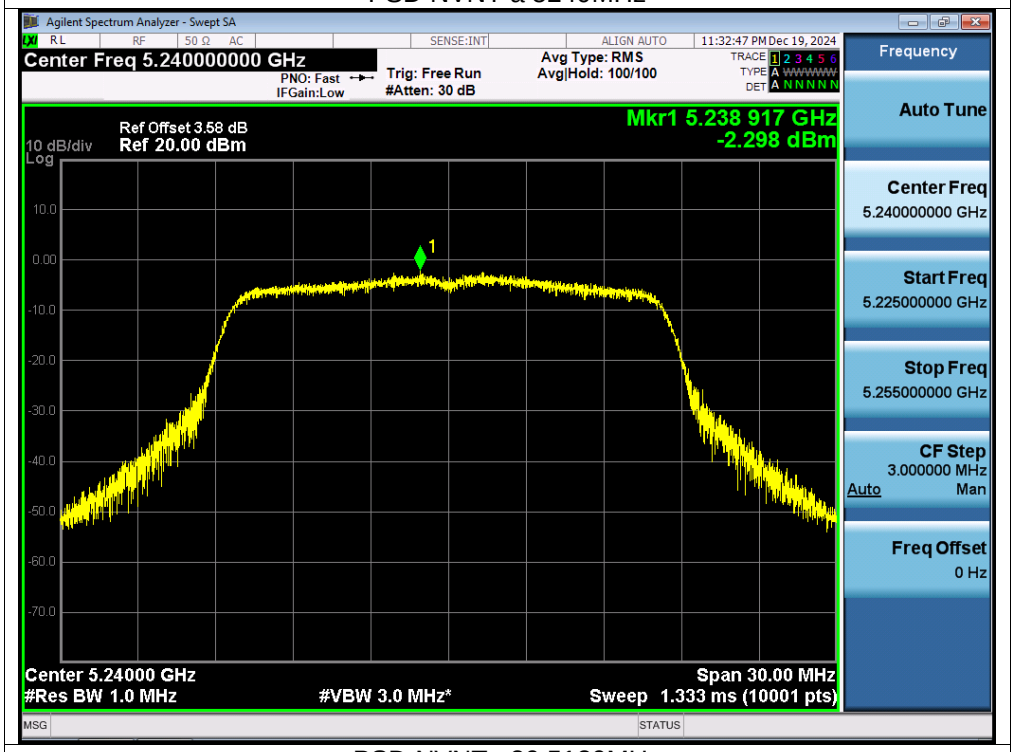
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

Test Graphs

PSD NVNT a 5180MHz

PSD NVNT a 5200MHz

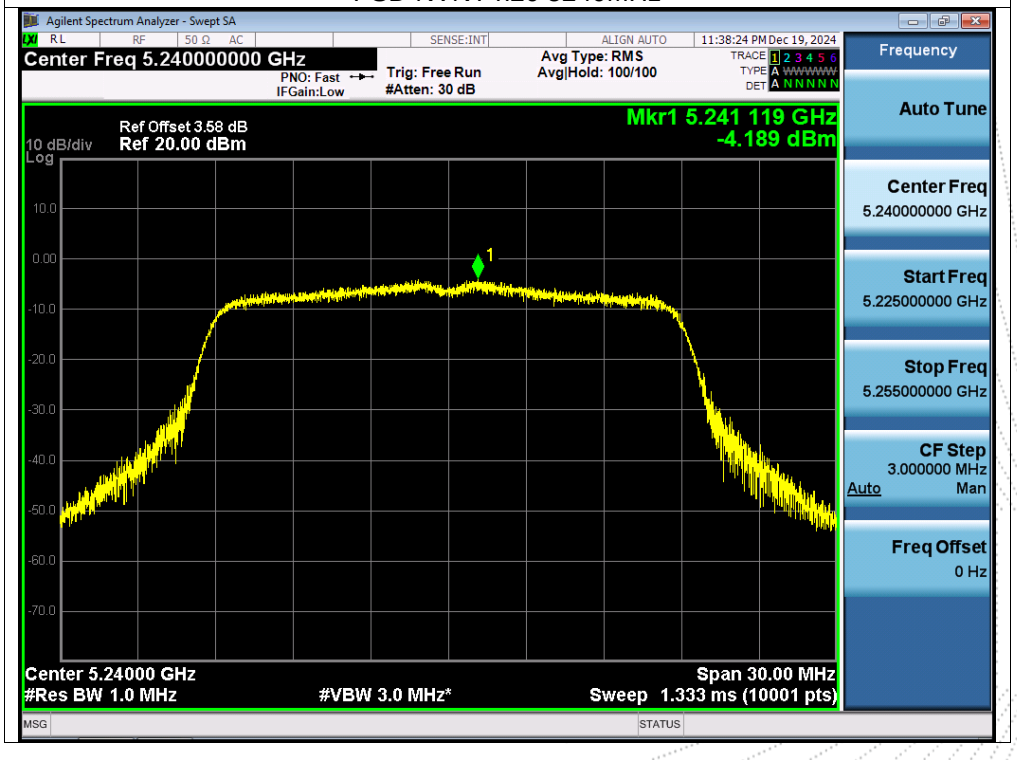
PSD NVNT a 5240MHz



PSD NVNT n20 5180MHz

PSD NVNT n20 5200MHz

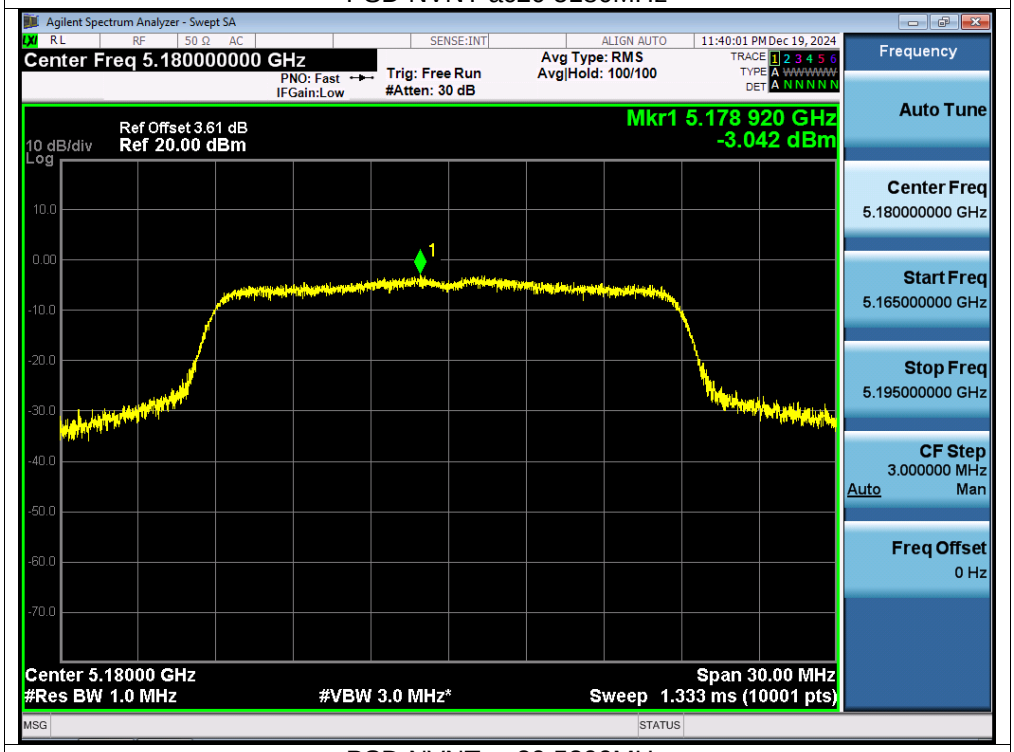
PSD NVNT n20 5240MHz



PSD NVNT n40 5190MHz

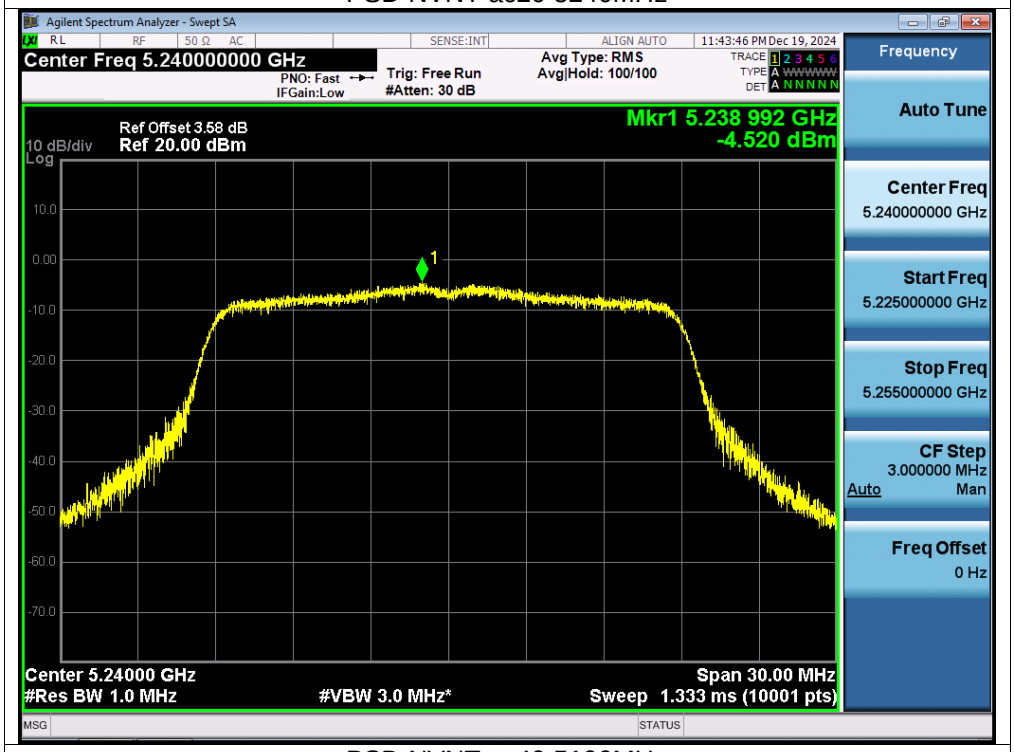
PSD NVNT n40 5230MHz

PSD NVNT ac20 5180MHz



PSD NVNT ac20 5200MHz

PSD NVNT ac20 5240MHz



PSD NVNT ac40 5190MHz

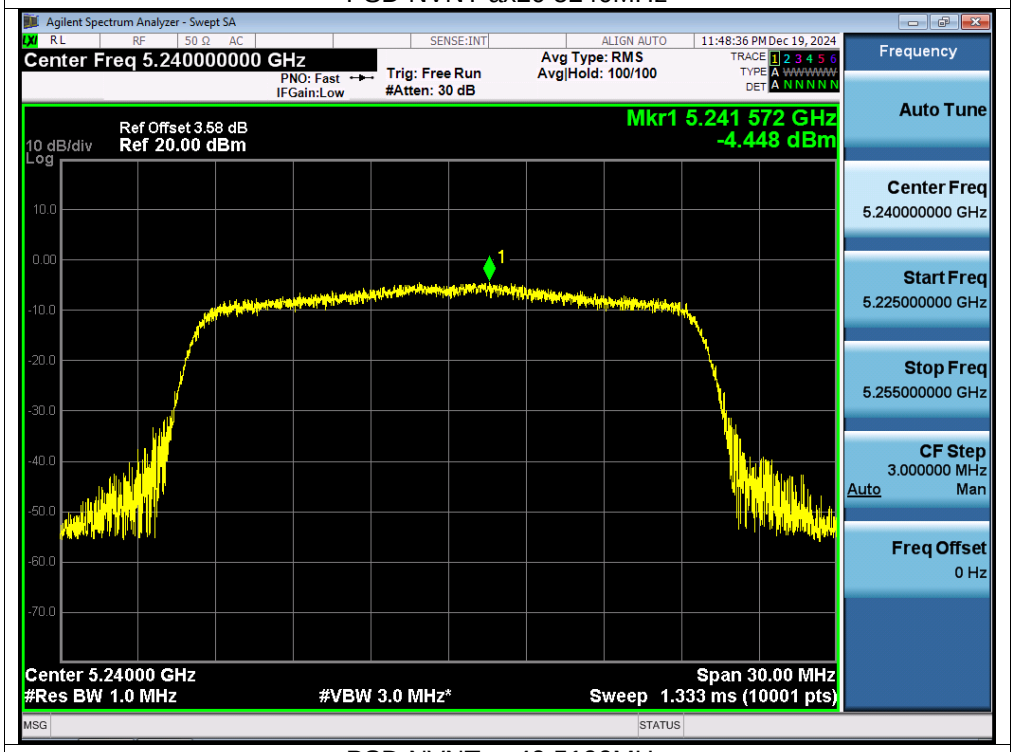
PSD NVNT ac40 5230MHz

PSD NVNT ac80 5210MHz

PSD NVNT ax20 5180MHz

PSD NVNT ax20 5200MHz

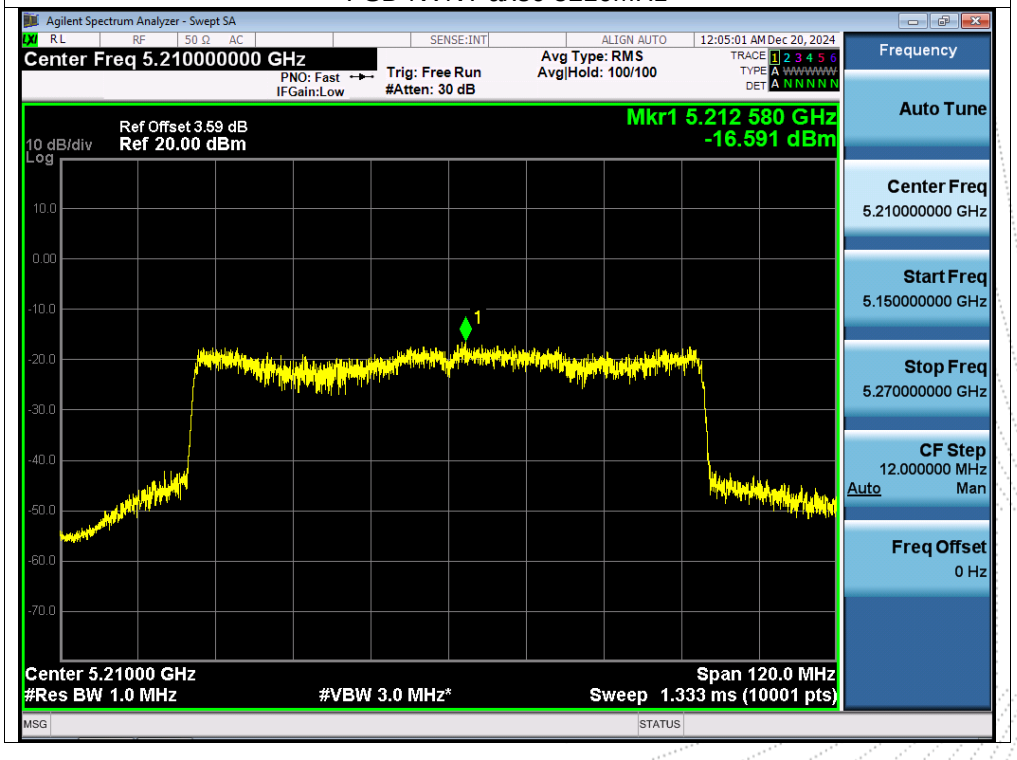
PSD NVNT ax20 5240MHz



PSD NVNT ax40 5190MHz

PSD NVNT ax40 5230MHz

PSD NVNT ax80 5210MHz



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.87V
Test Mode:	TX Frequency U-NII-3 (5745-5825MHz)		

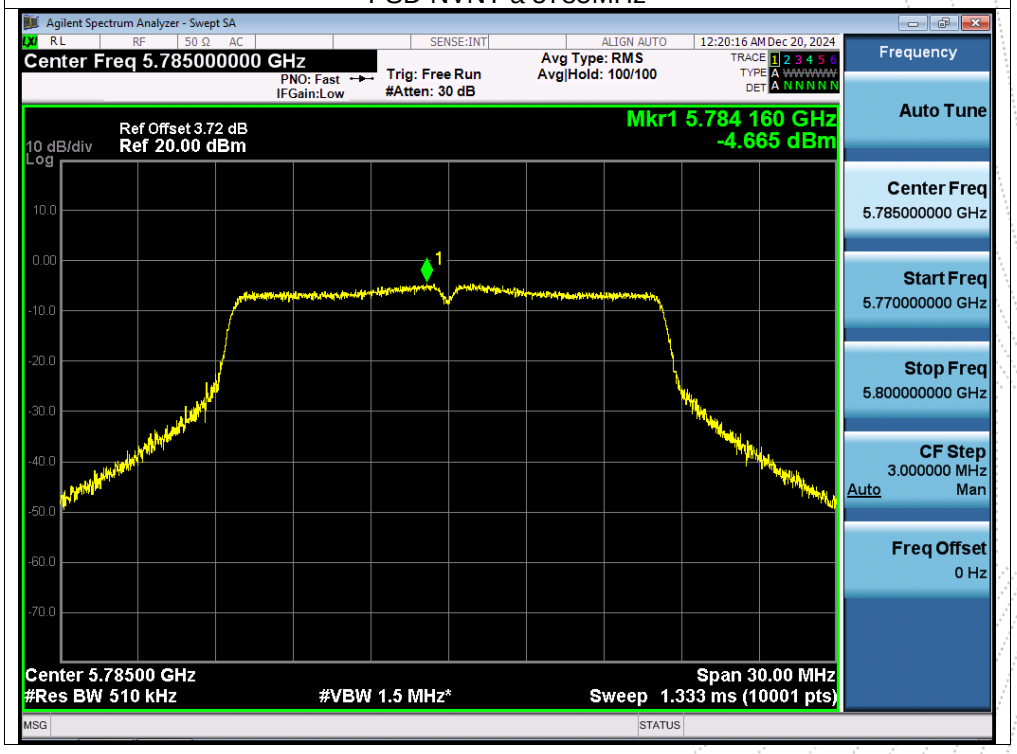
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510KHz)		Conducted PSD (dBm/500KHz)				Verdict
			ANT A	ANT B	ANT A	ANT B	Total	Limit	
NVNT	a	5745	-4.89	**-3.38**	-4.976	-3.466	/	30	Pass
NVNT	a	5785	-5.61	-4.67	-5.696	-4.756	/	30	Pass
NVNT	a	5825	-6.38	-4.89	-6.466	-4.976	/	30	Pass
NVNT	n20	5745	-6	-4.98	-6.086	-5.066	0.96	30	Pass
NVNT	n20	5785	-7.02	-5.81	-7.106	-5.896	0.77	30	Pass
NVNT	n20	5825	-7.94	-5.99	-8.026	-6.076	0.64	30	Pass
NVNT	n40	5755	-9.84	-8.71	-9.926	-8.796	0.42	30	Pass
NVNT	n40	5795	-10.49	-8.93	-10.576	-9.016	0.36	30	Pass
NVNT	ac20	5745	-6.33	-4.75	-6.416	-4.836	0.89	30	Pass
NVNT	ac20	5785	-6.88	-6.03	-6.966	-6.116	0.80	30	Pass
NVNT	ac20	5825	-7.67	-5.97	-7.756	-6.056	0.67	30	Pass
NVNT	ac40	5755	-9.75	-8.84	-9.836	-8.926	0.43	30	Pass
NVNT	ac40	5795	-10.56	-8.92	-10.646	-9.006	0.36	30	Pass
NVNT	ac80	5775	-15.28	-14.08	-15.366	-14.166	0.12	30	Pass
NVNT	ax20	5745	-6.31	-5.79	-6.396	-5.876	0.90	30	Pass
NVNT	ax20	5785	-7.07	-5.94	-7.156	-6.026	0.76	30	Pass
NVNT	ax20	5825	-8.06	-6.14	-8.146	-6.226	0.62	30	Pass
NVNT	ax40	5755	-9.64	-8.76	-9.726	-8.846	0.44	30	Pass
NVNT	ax40	5795	-10.28	-9.27	-10.366	-9.356	0.38	30	Pass
NVNT	ax80	5775	-15.51	-13.61	-15.596	-13.696	0.12	30	Pass
Note: Correction Factor = 10log(500KHz/RBW in measurement) =-0.086									

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

Test Graphs

PSD NVNT a 5745MHz

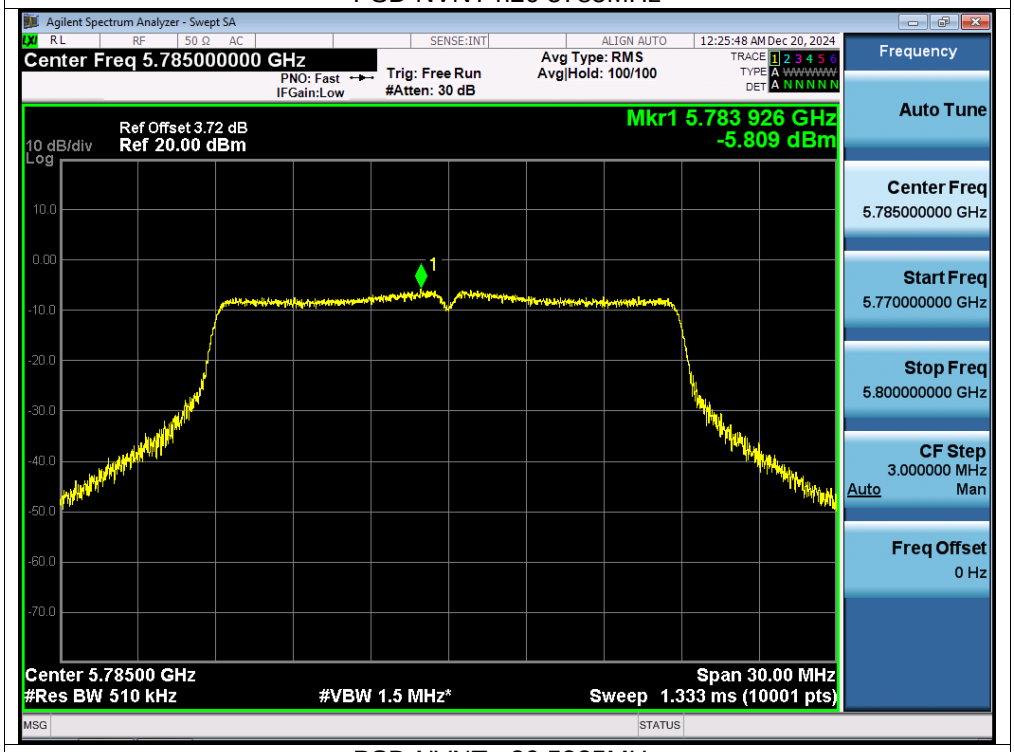
PSD NVNT a 5785MHz



PSD NVNT a 5825MHz

PSD NVNT n20 5745MHz

PSD NVNT n20 5785MHz



PSD NVNT n20 5825MHz