TEST REPORT

Report No.:	BCTC2412642620-2E
Applicant:	NEXXT SOLUTIONS
Product Name:	ROUTER
Test Model:	NCM-C1200
Tested Date:	2024-12-26 to 2025-01-06
Issued Date:	2025-01-07

Shenzhen BCTC Testing Co., Ltd.

FCC ID: X4YHAC1200

Product Name:	ROUTER
Trademark:	N/A
Model/Type reference:	NCM-C1200
Prepared For:	NEXXT SOLUTIONS
Address:	3505 N.W 107TH AVE. MIAMI, Florida 33178, United States
Manufacturer:	Sungale Electronics (Shenzhen) Limited
Address:	No. 1302, DaHong High-Tech Park, No. 6-18, Xinhe Road, Xinqiao, BaoAn, Shenzhen 518125, 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:	2024-12-26
Sample tested Date:	2024-12-26 to 2025-01-06
Issue Date:	2025-01-07
Report No.:	BCTC2412642620-2E
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

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2412642620-2E	2025-01-07	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:	NCM-C1200
Model differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20)/ac(HT20); 5190-5230MHz for 802.11n(HT40)/ac(HT40); 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20)/ac(HT20); 5755-5795 MHz for 802.11n(HT40)/ac(HT40); 5775MHz for 802.11 ac80;
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40): MCS0-MCS15; 802.11ac(VHT20): MCS0-MCS8 802.11ac(VHT40/VHT80): MCS0-MCS9
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
Number Of Channel	4 channels for 802.11a/n20/ac20 in the 5180-5240MHz band ; 2 channels for 802.11 n40/ac40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; 5 channels for 802.11a/n20/ac20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ac40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band
Antenna installation:	Internal antenna*2
Antenna Gain:	4.83 dBi 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 12V from adapter
Adapter Information:	MODEL NO.: MAUS-1201001202 INPUT: 100-240V~ 50-60Hz 0.35A OUTPUT: DC 12.0V 1.0A

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	ROUTER	N/A	NCM-C1200	N/A	EUT
E-2	ADAPTER	/	MAUS-12010 01202	---	Auxiliary
E-3	PC	Lenovo	N22Q22	---	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	3M	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(20MHz)/ac(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(40MHz) /ac(40MHz) Carrier Frequency Channel							
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

802.11ac (80MHz) Carrier Frequency Channel	
Channel	**Frequency (MHz)**
42	5210

5.8G

802.11a/n(20MHz)/ac(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(40MHz)/ac (40MHz) Carrier Frequency Channel					
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
151	5755	159	5795	-	-

802.11ac (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 / n 20/ ac 20 CH36/ CH40/ CH 48 802.11a /n 20/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n 40/ ac40 CH38/ CH 46 802.11n 40/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	Link mode (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.

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	7663_QAtool		
Parameters	DEF	DEF	DEF

4.7 Antenna

5G
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 7.84 dBi
2)For power measurements,
The Array gain=0 dB for NANT≤4,
So the directional gain for Power measurements is 4.83 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	4.83	N/A
B	N/A	N/A	Internal antenna	4.83	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

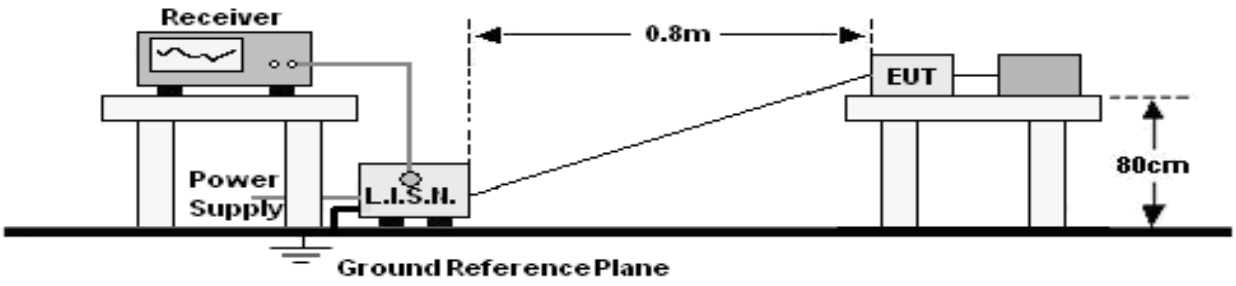
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	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 Chamber01)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	May 16, 2024	May 15, 2025
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	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

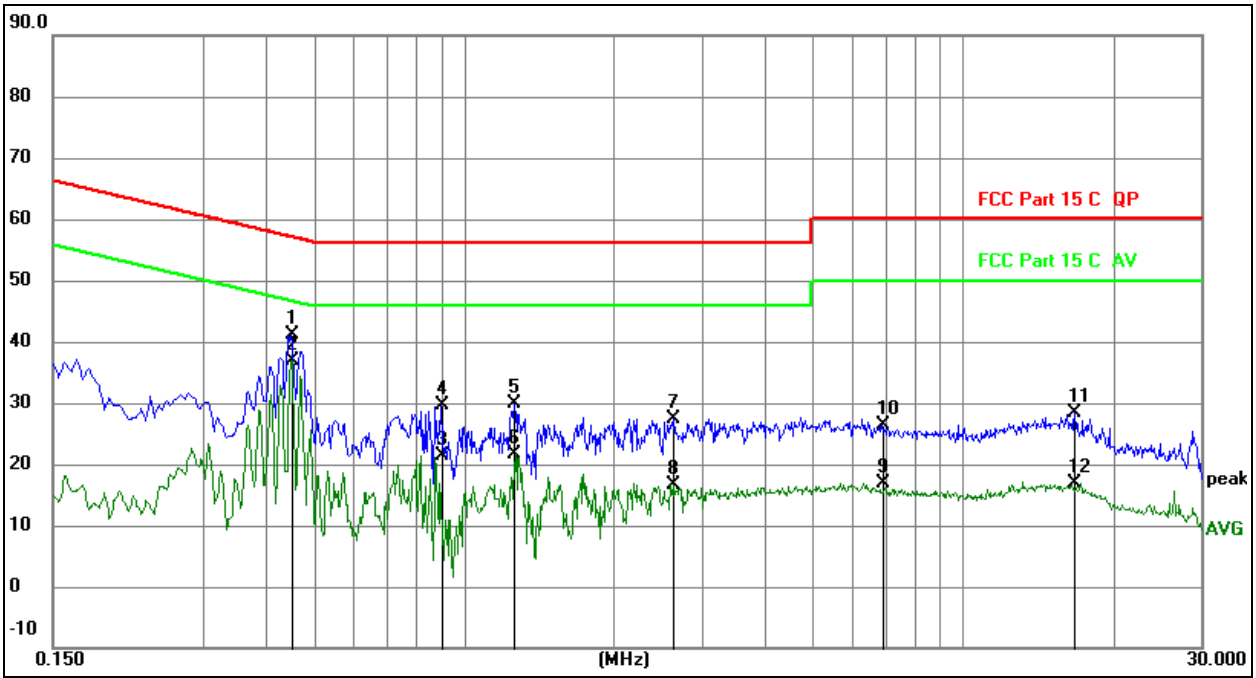
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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

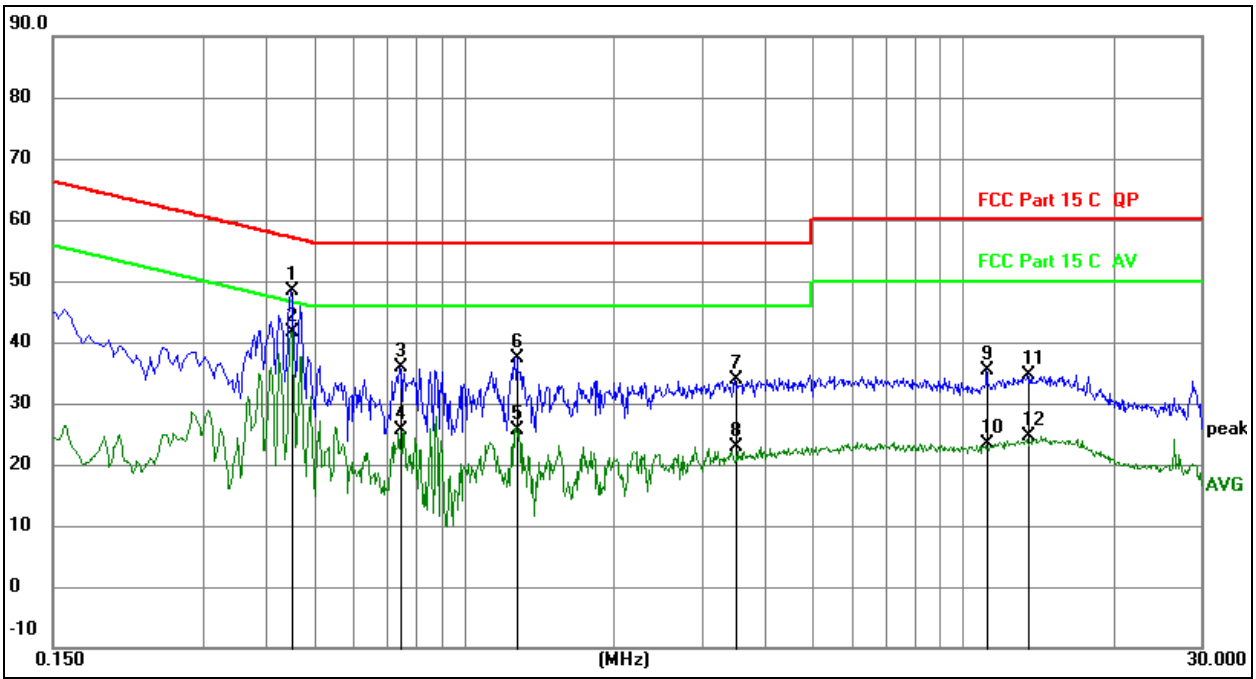
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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		0.4492	20.94	20.08	41.02	56.89	-15.87	QP
2	*	0.4492	16.80	20.08	36.88	46.89	-10.01	AVG
3		0.8992	1.34	20.09	21.43	46.00	-24.57	AVG
4		0.8992	9.54	20.09	29.63	56.00	-26.37	QP
5		1.2621	9.82	20.09	29.91	56.00	-26.09	QP
6		1.2621	1.54	20.09	21.63	46.00	-24.37	AVG
7		2.6360	7.37	20.11	27.48	56.00	-28.52	QP
8		2.6360	-3.38	20.11	16.73	46.00	-29.27	AVG
9		6.8776	-3.32	20.16	16.84	50.00	-33.16	AVG
10		6.8776	6.13	20.16	26.29	60.00	-33.71	QP
11		16.7497	8.02	20.32	28.34	60.00	-31.66	QP
12		16.7497	-3.42	20.32	16.90	50.00	-33.10	AVG

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



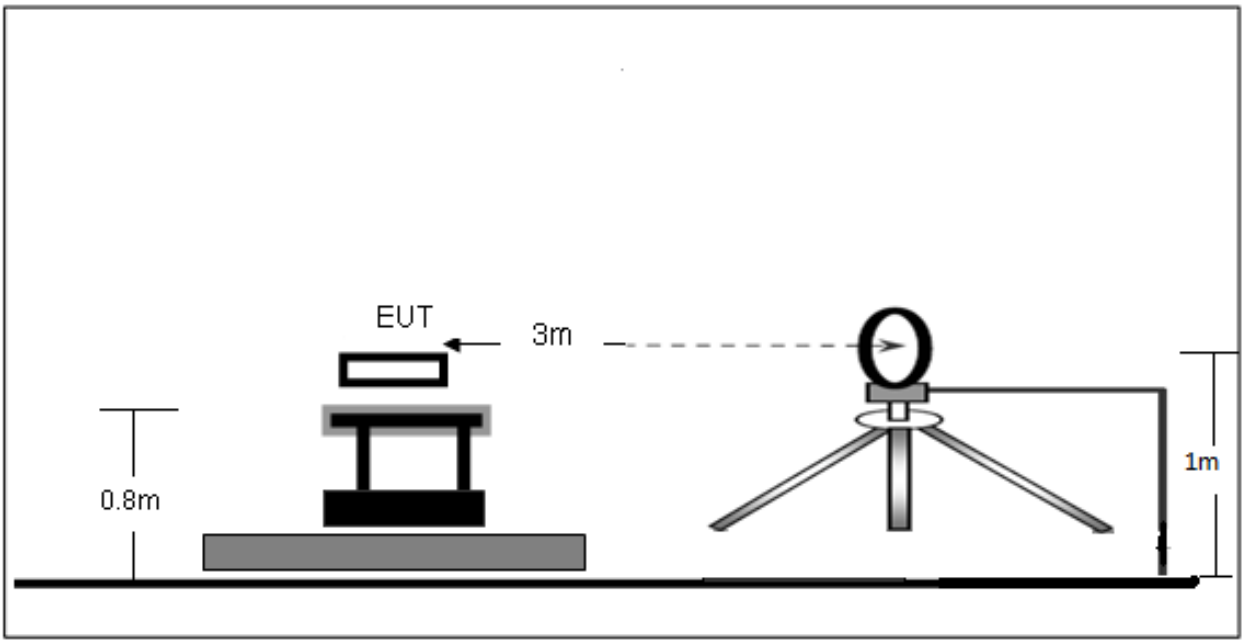
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.4515	28.22	20.08	48.30	56.85	-8.55	QP
2	*	0.4515	21.56	20.08	41.64	46.85	-5.21	AVG
3		0.7440	15.75	20.09	35.84	56.00	-20.16	QP
4		0.7440	5.55	20.09	25.64	46.00	-20.36	AVG
5		1.2795	5.62	20.09	25.71	46.00	-20.29	AVG
6		1.2795	17.32	20.09	37.41	56.00	-18.59	QP
7		3.5070	13.75	20.13	33.88	56.00	-22.12	QP
8		3.5070	2.76	20.13	22.89	46.00	-23.11	AVG
9		11.1570	15.14	20.20	35.34	60.00	-24.66	QP
10		11.1570	3.10	20.20	23.30	50.00	-26.70	AVG
11		13.5330	14.27	20.27	34.54	60.00	-25.46	QP
12		13.5330	4.27	20.27	24.54	50.00	-25.46	AVG

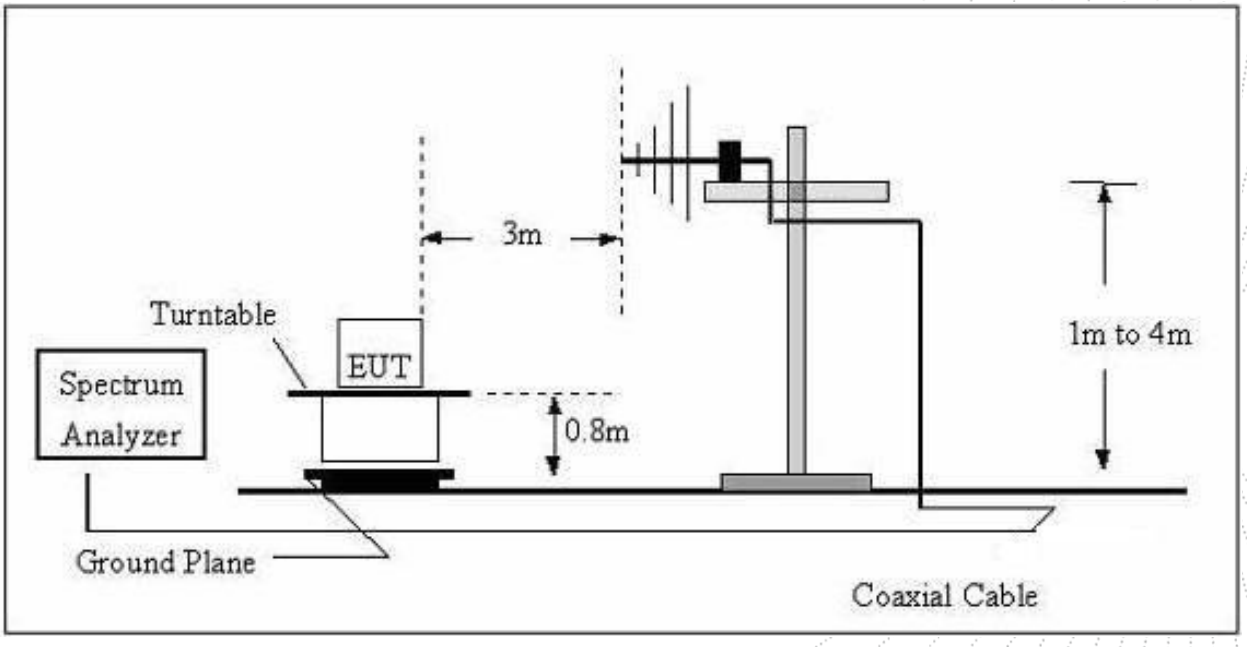
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

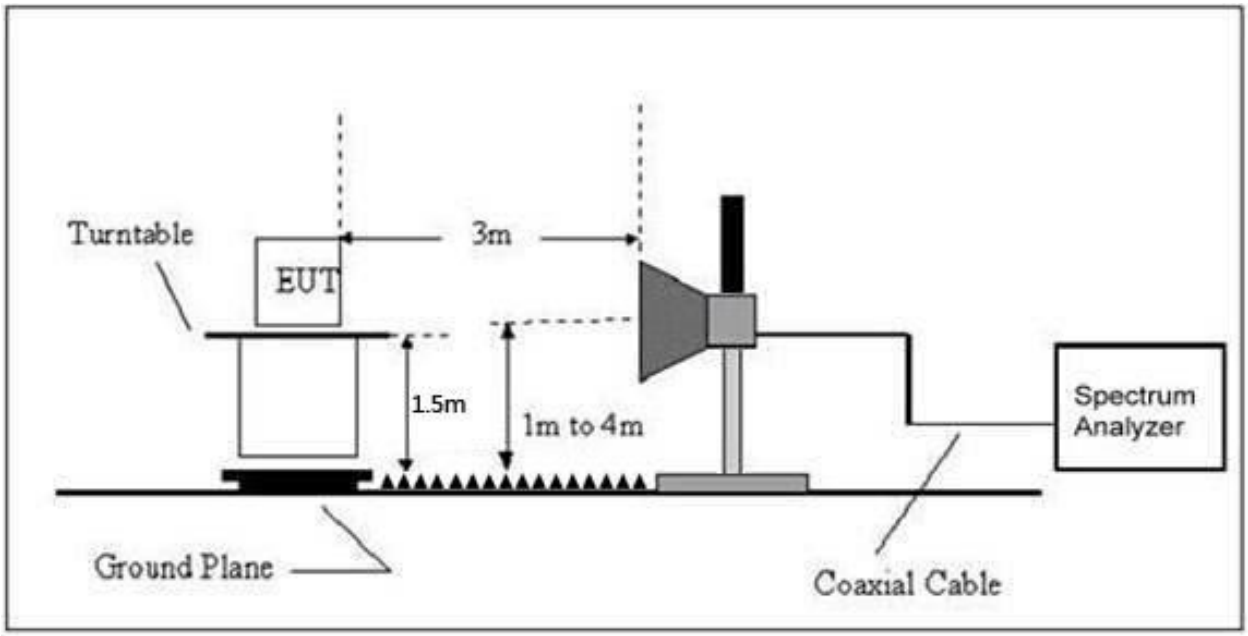
（A）Radiated Emission Test-Up Frequency Below 30MHz



（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	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

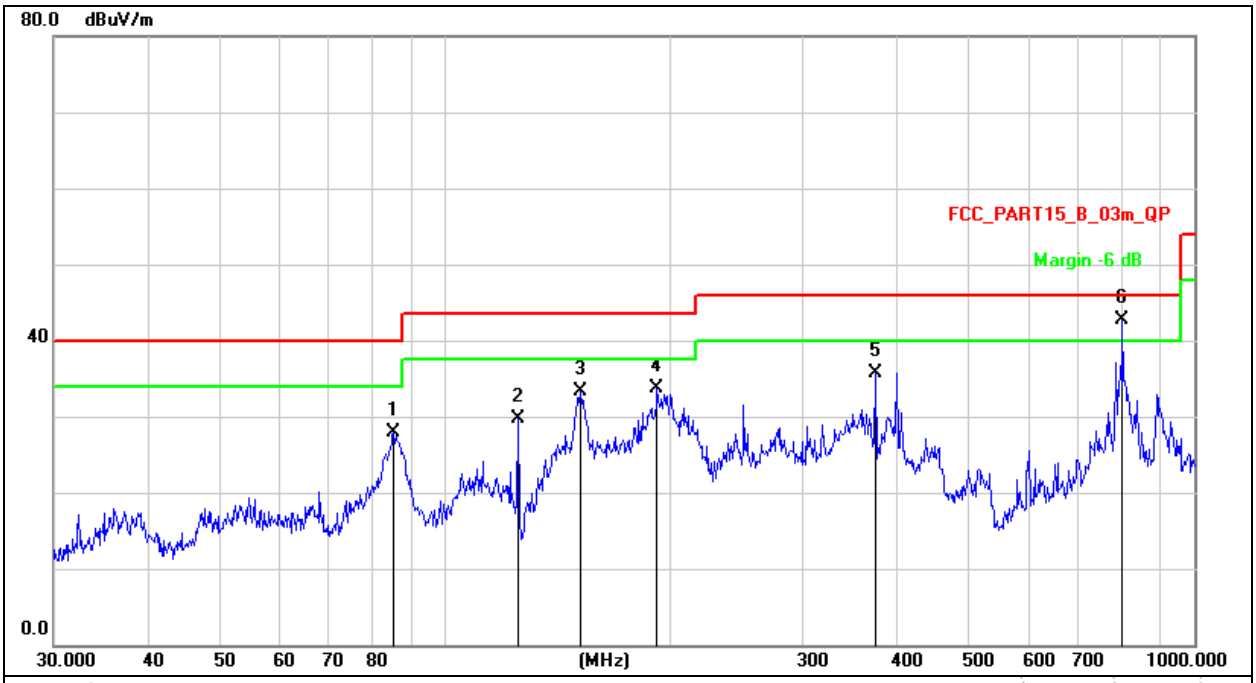
Temperature:	26℃	Relative Humidity:	24%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	--

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

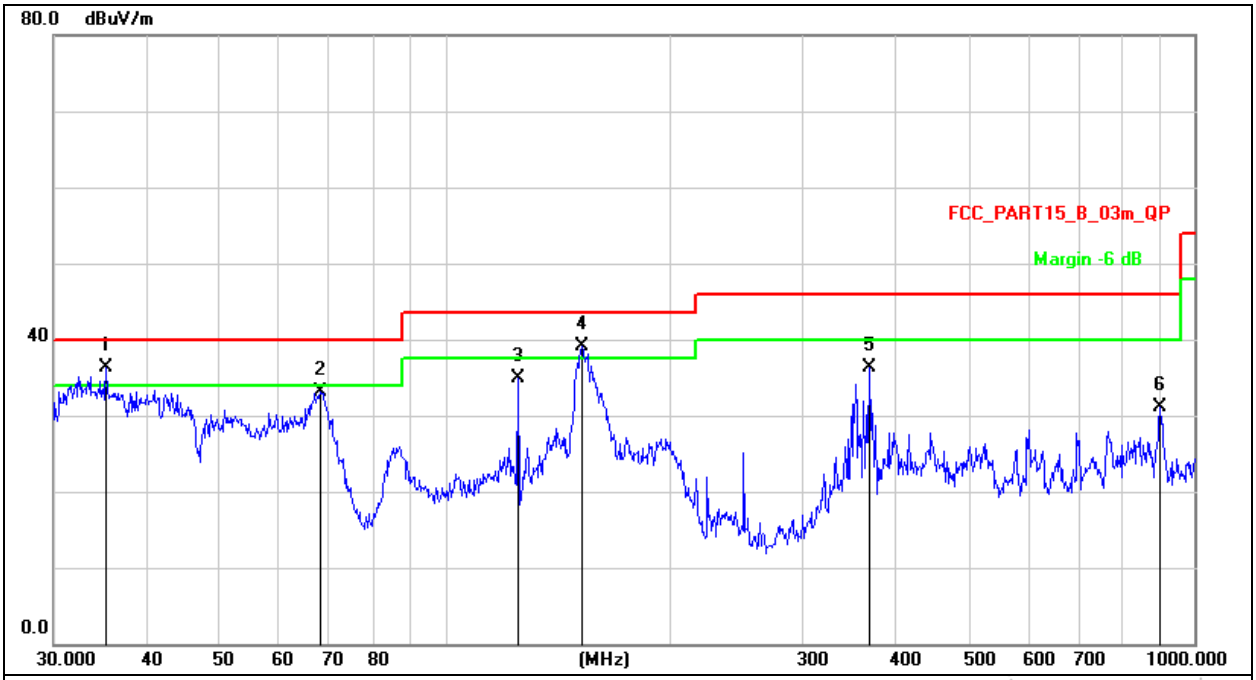
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		85.2980	46.48	-18.50	27.98	40.00	-12.02	QP
2		125.0066	47.29	-17.68	29.61	43.50	-13.89	QP
3		151.5972	52.68	-19.31	33.37	43.50	-10.13	QP
4		191.7450	49.96	-16.33	33.63	43.50	-9.87	QP
5		374.6225	46.91	-11.16	35.75	46.00	-10.25	QP
6	*	801.7863	47.00	-4.38	42.62	46.00	-3.38	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.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	35.2512	51.85	-15.64	36.21	40.00	-3.79	QP
2		68.1514	50.62	-17.49	33.13	40.00	-6.87	QP
3		125.0066	52.49	-17.68	34.81	43.50	-8.69	QP
4	!	152.1297	58.35	-19.27	39.08	43.50	-4.42	QP
5		368.1116	47.54	-11.25	36.29	46.00	-9.71	QP
6		900.1474	34.32	-3.12	31.20	46.00	-14.80	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	4434.099	73.00	-20.73	52.27	68.2	-15.93	PK
Vertical	4434.099	59.56	-20.73	38.83	54	-15.17	AV
Vertical	10360.116	61.62	-9.36	52.26	68.2	-15.94	PK
Vertical	10360.116	49.87	-9.36	40.51	54	-13.49	AV
Vertical	15540.182	61.53	-7.84	53.69	74	-20.31	PK
Vertical	15540.182	49.02	-7.84	41.18	54	-12.82	AV
Horizontal	4434.031	70.15	-20.73	49.42	68.2	-18.78	PK
Horizontal	4434.031	59.51	-20.73	38.78	54	-15.22	AV
Horizontal	10360.191	62.55	-9.36	53.19	68.2	-15.01	PK
Horizontal	10360.191	49.52	-9.36	40.16	54	-13.84	AV
Horizontal	15540.164	60.82	-7.84	52.98	74	-21.02	PK
Horizontal	15540.164	49.99	-7.84	42.15	54	-11.85	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.042	70.09	-20.42	49.67	74	-24.33	PK
Vertical	4592.042	59.72	-20.42	39.30	54	-14.70	AV
Vertical	10400.017	60.32	-9.30	51.02	68.2	-17.18	PK
Vertical	10400.017	49.10	-9.30	39.80	54	-14.20	AV
Vertical	15600.119	63.43	-7.82	55.61	74	-18.39	PK
Vertical	15600.119	49.81	-7.82	41.99	54	-12.01	AV
Horizontal	4592.110	74.64	-20.42	54.22	74	-19.78	PK
Horizontal	4592.110	59.65	-20.42	39.23	54	-14.77	AV
Horizontal	10400.050	62.89	-9.30	53.59	68.2	-14.61	PK
Horizontal	10400.050	49.35	-9.30	40.05	54	-13.95	AV
Horizontal	15600.086	63.41	-7.82	55.59	74	-18.41	PK
Horizontal	15600.086	49.69	-7.82	41.87	54	-12.13	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.062	72.47	-20.12	52.35	74	-21.65	PK
Vertical	4739.062	59.95	-20.12	39.83	54	-14.17	AV
Vertical	10480.127	63.23	-9.18	54.05	68.2	-14.15	PK
Vertical	10480.127	49.50	-9.18	40.32	54	-13.68	AV
Vertical	15720.056	64.65	-7.78	56.87	74	-17.13	PK
Vertical	15720.056	49.48	-7.78	41.70	54	-12.30	AV
Horizontal	4739.182	73.21	-20.12	53.09	74	-20.91	PK
Horizontal	4739.182	59.27	-20.12	39.15	54	-14.85	AV
Horizontal	10480.182	62.96	-9.18	53.78	68.2	-14.42	PK
Horizontal	10480.182	49.95	-9.18	40.77	54	-13.23	AV
Horizontal	15720.067	63.53	-7.78	55.75	74	-18.25	PK
Horizontal	15720.067	49.64	-7.78	41.86	54	-12.14	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.
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	4434.116	73.80	-20.73	53.07	68.2	-15.13	PK
Vertical	4434.116	59.13	-20.73	38.40	54	-15.60	AV
Vertical	10360.184	60.86	-9.36	51.50	68.2	-16.70	PK
Vertical	10360.184	49.95	-9.36	40.59	54	-13.41	AV
Vertical	15540.007	63.28	-7.84	55.44	74	-18.56	PK
Vertical	15540.007	49.95	-7.84	42.11	54	-11.89	AV
Horizontal	4434.073	72.87	-20.73	52.14	68.2	-16.06	PK
Horizontal	4434.073	59.46	-20.73	38.72	54	-15.28	AV
Horizontal	10360.018	62.72	-9.36	53.36	68.2	-14.84	PK
Horizontal	10360.018	49.07	-9.36	39.71	54	-14.29	AV
Horizontal	15540.174	61.63	-7.84	53.79	74	-20.21	PK
Horizontal	15540.174	49.66	-7.84	41.82	54	-12.18	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.055	70.49	-20.42	50.07	74	-23.93	PK
Vertical	4592.055	59.75	-20.42	39.34	54	-14.66	AV
Vertical	10400.080	63.58	-9.30	54.28	68.2	-13.92	PK
Vertical	10400.080	49.37	-9.30	40.07	54	-13.93	AV
Vertical	15600.059	61.84	-7.82	54.02	74	-19.98	PK
Vertical	15600.059	49.42	-7.82	41.60	54	-12.40	AV
Horizontal	4592.070	73.72	-20.42	53.31	74	-20.69	PK
Horizontal	4592.070	60.00	-20.42	39.58	54	-14.42	AV
Horizontal	10400.006	63.55	-9.30	54.25	68.2	-13.95	PK
Horizontal	10400.006	49.50	-9.30	40.20	54	-13.80	AV
Horizontal	15600.169	63.61	-7.82	55.79	74	-18.21	PK
Horizontal	15600.169	49.49	-7.82	41.67	54	-12.33	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.001	70.69	-20.12	50.56	74	-23.44	PK
Vertical	4739.001	59.51	-20.12	39.39	54	-14.61	AV
Vertical	10480.066	61.49	-9.18	52.31	68.2	-15.89	PK
Vertical	10480.066	49.67	-9.18	40.49	54	-13.51	AV
Vertical	15720.101	62.66	-7.78	54.88	74	-19.12	PK
Vertical	15720.101	49.31	-7.78	41.53	54	-12.47	AV
Horizontal	4739.061	72.40	-20.12	52.28	74	-21.72	PK
Horizontal	4739.061	59.20	-20.12	39.08	54	-14.92	AV
Horizontal	10480.000	63.42	-9.18	54.24	68.2	-13.96	PK
Horizontal	10480.000	49.02	-9.18	39.84	54	-14.16	AV
Horizontal	15720.185	61.46	-7.78	53.68	74	-20.32	PK
Horizontal	15720.185	49.88	-7.78	42.10	54	-11.90	AV

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

Test Mode:	TX(5.1G) - 802.11n-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 (5190 MHz)-Above 1G							
Vertical	4434.057	70.33	-20.73	49.59	68.2	-18.61	PK
Vertical	4434.057	59.68	-20.73	38.95	54	-15.05	AV
Vertical	10380.105	62.38	-9.33	53.05	68.2	-15.15	PK
Vertical	10380.105	49.53	-9.33	40.20	54	-13.80	AV
Vertical	15570.099	64.12	-7.83	56.29	74	-17.71	PK
Vertical	15570.099	49.88	-7.83	42.05	54	-11.95	AV
Horizontal	4434.067	72.78	-20.73	52.05	74	-21.95	PK
Horizontal	4434.067	59.42	-20.73	38.68	54	-15.32	AV
Horizontal	10380.143	61.48	-9.33	52.15	68.2	-16.05	PK
Horizontal	10380.143	49.16	-9.33	39.83	54	-14.17	AV
Horizontal	15570.176	63.23	-7.83	55.40	74	-18.60	PK
Horizontal	15570.176	49.38	-7.83	41.55	54	-12.45	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.152	73.95	-20.12	53.83	68.2	-14.37	PK
Vertical	4739.152	59.55	-20.12	39.42	54	-14.58	AV
Vertical	10460.140	61.27	-9.21	52.06	68.2	-16.14	PK
Vertical	10460.140	49.24	-9.21	40.03	54	-13.97	AV
Vertical	15690.004	60.12	-7.79	52.33	74	-21.67	PK
Vertical	15690.004	49.45	-7.79	41.66	54	-12.34	AV
Horizontal	4739.138	70.16	-20.12	50.04	68.2	-18.16	PK
Horizontal	4739.138	59.95	-20.12	39.83	54	-14.17	AV
Horizontal	10460.076	62.27	-9.21	53.06	68.2	-15.14	PK
Horizontal	10460.076	49.97	-9.21	40.76	54	-13.24	AV
Horizontal	15690.158	62.77	-7.79	54.98	74	-19.02	PK
Horizontal	15690.158	49.02	-7.79	41.23	54	-12.77	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 (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure-ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.033	74.88	-20.73	54.14	68.2	-14.06	PK
Vertical	4434.033	59.05	-20.73	38.31	54	-15.69	AV
Vertical	10360.167	61.50	-9.36	52.14	68.2	-16.06	PK
Vertical	10360.167	49.71	-9.36	40.35	54	-13.65	AV
Vertical	15540.188	61.06	-7.84	53.22	74	-20.78	PK
Vertical	15540.188	49.16	-7.84	41.32	54	-12.68	AV
Horizontal	4434.173	72.01	-20.73	51.28	68.2	-16.92	PK
Horizontal	4434.173	59.68	-20.73	38.95	54	-15.05	AV
Horizontal	10360.175	64.24	-9.36	54.88	68.2	-13.32	PK
Horizontal	10360.175	49.71	-9.36	40.35	54	-13.65	AV
Horizontal	15540.056	60.51	-7.84	52.67	74	-21.33	PK
Horizontal	15540.056	49.08	-7.84	41.24	54	-12.76	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.075	74.97	-20.42	54.56	74	-19.44	PK
Vertical	4592.075	59.41	-20.42	39.00	54	-15.00	AV
Vertical	10400.042	63.24	-9.30	53.94	68.2	-14.26	PK
Vertical	10400.042	49.34	-9.30	40.04	54	-13.96	AV
Vertical	15600.019	62.63	-7.82	54.81	74	-19.19	PK
Vertical	15600.019	49.31	-7.82	41.49	54	-12.51	AV
Horizontal	4592.016	71.60	-20.42	51.18	74	-22.82	PK
Horizontal	4592.016	59.59	-20.42	39.17	54	-14.83	AV
Horizontal	10400.126	64.18	-9.30	54.88	68.2	-13.32	PK
Horizontal	10400.126	49.81	-9.30	40.51	54	-13.49	AV
Horizontal	15600.160	64.71	-7.82	56.89	74	-17.11	PK
Horizontal	15600.160	49.03	-7.82	41.21	54	-12.79	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.171	70.08	-20.12	49.96	74	-24.04	PK
Vertical	4739.171	59.56	-20.12	39.44	54	-14.56	AV
Vertical	10480.043	63.99	-9.18	54.81	68.2	-13.39	PK
Vertical	10480.043	49.37	-9.18	40.19	54	-13.81	AV
Vertical	15720.002	64.00	-7.78	56.22	74	-17.78	PK
Vertical	15720.002	49.42	-7.78	41.64	54	-12.36	AV
Horizontal	4739.024	74.63	-20.12	54.51	74	-19.49	PK
Horizontal	4739.024	59.67	-20.12	39.55	54	-14.45	AV
Horizontal	10480.062	64.40	-9.18	55.22	68.2	-12.98	PK
Horizontal	10480.062	49.10	-9.18	39.92	54	-14.08	AV
Horizontal	15720.155	61.56	-7.78	53.78	74	-20.22	PK
Horizontal	15720.155	49.26	-7.78	41.48	54	-12.52	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	72.38	-20.73	51.65	68.2	-16.55	PK
Vertical	4434.053	59.13	-20.73	38.39	54	-15.61	AV
Vertical	10380.172	61.01	-9.33	51.68	68.2	-16.52	PK
Vertical	10380.172	49.58	-9.33	40.25	54	-13.75	AV
Vertical	15570.107	64.92	-7.83	57.09	74	-16.91	PK
Vertical	15570.107	49.75	-7.83	41.92	54	-12.08	AV
Horizontal	4434.104	71.29	-20.73	50.56	74	-23.44	PK
Horizontal	4434.104	59.11	-20.73	38.37	54	-15.63	AV
Horizontal	10380.104	61.82	-9.33	52.49	68.2	-15.71	PK
Horizontal	10380.104	49.90	-9.33	40.57	54	-13.43	AV
Horizontal	15570.098	64.97	-7.83	57.14	74	-16.86	PK
Horizontal	15570.098	49.08	-7.83	41.25	54	-12.75	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.044	72.53	-20.12	52.41	68.2	-15.79	PK
Vertical	4739.044	59.07	-20.12	38.95	54	-15.05	AV
Vertical	10460.199	60.43	-9.21	51.22	68.2	-16.98	PK
Vertical	10460.199	49.28	-9.21	40.07	54	-13.93	AV
Vertical	15690.063	62.86	-7.79	55.07	74	-18.93	PK
Vertical	15690.063	49.03	-7.79	41.24	54	-12.76	AV
Horizontal	4739.112	70.17	-20.12	50.05	68.2	-18.15	PK
Horizontal	4739.112	59.37	-20.12	39.25	54	-14.75	AV
Horizontal	10460.070	62.81	-9.21	53.60	68.2	-14.60	PK
Horizontal	10460.070	49.39	-9.21	40.18	54	-13.82	AV
Horizontal	15690.014	63.02	-7.79	55.23	74	-18.77	PK
Horizontal	15690.014	49.51	-7.79	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) - 802.11ac 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	4434.053	73.82	-20.73	53.09	68.2	-15.11	PK
Vertical	4434.053	59.68	-20.73	38.95	54	-15.05	AV
Vertical	10420.008	64.34	-9.27	55.07	68.2	-13.13	PK
Vertical	10420.008	49.43	-9.27	40.16	54	-13.84	AV
Vertical	15630.165	64.87	-7.81	57.06	74	-16.94	PK
Vertical	15630.165	49.01	-7.81	41.20	54	-12.80	AV
Horizontal	4434.116	74.72	-20.73	53.99	68.2	-14.21	PK
Horizontal	4434.116	59.16	-20.73	38.43	54	-15.57	AV
Horizontal	10420.143	43.06	9.27	52.33	68.2	-15.87	PK
Horizontal	10420.143	29.08	9.27	38.35	54	-15.65	AV
Horizontal	15630.117	61.82	-7.81	54.01	74	-19.99	PK
Horizontal	15630.117	49.11	-7.81	41.30	54	-12.70	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.
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	4679.132	73.48	-20.24	53.24	74	-20.76	PK
Vertical	4679.132	59.49	-20.24	39.25	54	-14.75	AV
Vertical	11490.132	64.95	-8.79	56.16	68.2	-12.04	PK
Vertical	11490.132	49.74	-8.79	40.95	54	-13.05	AV
Vertical	17235.115	58.70	-3.18	55.52	68.2	-12.68	PK
Vertical	17235.115	44.81	-3.18	41.63	54	-12.37	AV
Horizontal	4679.068	74.39	-20.73	53.66	74	-20.34	PK
Horizontal	4679.068	59.25	-20.73	38.52	54	-15.48	AV
Horizontal	11490.082	64.05	-8.79	55.26	68.2	-12.94	PK
Horizontal	11490.082	49.03	-8.79	40.24	54	-13.76	AV
Horizontal	17235.034	58.44	-3.18	55.26	68.2	-12.94	PK
Horizontal	17235.034	44.08	-3.18	40.90	54	-13.10	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.192	70.93	-20.42	50.52	74	-23.48	PK
Vertical	4592.192	59.51	-20.42	39.10	54	-14.90	AV
Vertical	11570.039	63.06	-8.86	54.20	68.2	-14.00	PK
Vertical	11570.039	49.67	-8.86	40.81	54	-13.19	AV
Vertical	17355.195	58.27	-2.52	55.75	68.2	-12.45	PK
Vertical	17355.195	44.55	-2.52	42.03	54	-11.97	AV
Horizontal	4592.140	70.32	-20.42	49.90	74	-24.10	PK
Horizontal	4592.140	59.44	-20.42	39.02	54	-14.98	AV
Horizontal	11570.197	60.62	-8.86	51.76	68.2	-16.44	PK
Horizontal	11570.197	49.89	-8.86	41.03	54	-12.97	AV
Horizontal	17355.165	58.02	-2.52	55.50	68.2	-12.70	PK
Horizontal	17355.165	44.52	-2.52	42.00	54	-12.00	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.129	74.78	-18.93	55.85	68.2	-12.35	PK
Vertical	6039.129	59.50	-18.93	40.57	54	-13.43	AV
Vertical	11650.062	62.73	-8.92	53.81	74	-20.19	PK
Vertical	11650.062	49.41	-8.92	40.49	54	-13.51	AV
Vertical	17475.100	57.01	-1.86	55.15	68.2	-13.05	PK
Vertical	17475.100	44.24	-1.86	42.38	54	-11.62	AV
Horizontal	6039.199	70.98	-18.93	52.05	68.2	-16.15	PK
Horizontal	6039.199	59.80	-18.93	40.87	54	-13.13	AV
Horizontal	11650.030	60.81	-8.92	51.89	74	-22.11	PK
Horizontal	11650.030	49.40	-8.92	40.48	54	-13.52	AV
Horizontal	17475.126	58.96	-1.86	57.10	68.2	-11.10	PK
Horizontal	17475.126	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.
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	4679.040	70.71	-20.24	50.46	74	-23.54	PK
Vertical	4679.040	59.02	-20.24	38.77	54	-15.23	AV
Vertical	11490.094	62.18	-8.79	53.39	68.2	-14.81	PK
Vertical	11490.094	49.86	-8.79	41.07	54	-12.93	AV
Vertical	17235.072	56.10	-3.18	52.92	68.2	-15.28	PK
Vertical	17235.072	44.73	-3.18	41.55	54	-12.45	AV
Horizontal	4679.145	71.49	-20.24	51.25	74	-22.75	PK
Horizontal	4679.145	59.20	-20.24	38.96	54	-15.04	AV
Horizontal	11490.009	61.87	-8.79	53.08	68.2	-15.12	PK
Horizontal	11490.009	49.96	-8.79	41.17	54	-12.83	AV
Horizontal	17235.198	58.73	-3.18	55.55	68.2	-12.65	PK
Horizontal	17235.198	44.30	-3.18	41.12	54	-12.88	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.041	73.53	-20.42	53.12	74	-20.88	PK
Vertical	4592.041	59.03	-20.42	38.61	54	-15.39	AV
Vertical	11570.013	60.52	-8.86	51.66	68.2	-16.54	PK
Vertical	11570.013	49.12	-8.86	40.26	54	-13.74	AV
Vertical	17355.047	56.66	-2.52	54.14	68.2	-14.06	PK
Vertical	17355.047	44.95	-2.52	42.43	54	-11.57	AV
Horizontal	4592.033	71.95	-20.42	51.53	74	-22.47	PK
Horizontal	4592.033	59.60	-20.42	39.18	54	-14.82	AV
Horizontal	11570.117	64.09	-8.86	55.23	68.2	-12.97	PK
Horizontal	11570.117	49.99	-8.86	41.13	54	-12.87	AV
Horizontal	17355.008	55.25	-2.52	52.73	68.2	-15.47	PK
Horizontal	17355.008	44.43	-2.52	41.91	54	-12.09	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.084	71.83	-18.93	52.90	68.2	-15.30	PK
Vertical	6039.084	59.67	-18.93	40.74	54	-13.26	AV
Vertical	11650.111	60.70	-8.92	51.78	74	-22.22	PK
Vertical	11650.111	49.88	-8.92	40.96	54	-13.04	AV
Vertical	17475.081	55.99	-1.86	54.13	68.2	-14.07	PK
Vertical	17475.081	44.24	-1.86	42.38	54	-11.62	AV
Horizontal	6039.095	70.43	-18.93	51.49	68.2	-16.71	PK
Horizontal	6039.095	59.61	-18.93	40.68	54	-13.32	AV
Horizontal	11650.162	64.66	-8.92	55.74	74	-18.26	PK
Horizontal	11650.162	49.35	-8.92	40.43	54	-13.57	AV
Horizontal	17475.073	55.44	-1.86	53.58	68.2	-14.62	PK
Horizontal	17475.073	44.79	-1.86	42.93	54	-11.07	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	4679.166	74.16	-20.24	53.92	74	-20.08	PK
Vertical	4679.166	59.55	-20.24	39.31	54	-14.69	AV
Vertical	11510.012	61.13	-8.81	52.32	74	-21.68	PK
Vertical	11510.012	49.31	-8.81	40.50	54	-13.50	AV
Vertical	17265.076	55.11	-3.01	52.10	68.2	-16.10	PK
Vertical	17265.076	44.18	-3.01	41.17	54	-12.83	AV
Horizontal	4679.067	72.90	-20.24	52.65	74	-21.35	PK
Horizontal	4679.067	59.02	-20.24	38.77	54	-15.23	AV
Horizontal	11510.094	64.93	-8.81	56.12	74	-17.88	PK
Horizontal	11510.094	49.68	-8.81	40.87	54	-13.13	AV
Horizontal	17265.061	57.26	-3.01	54.25	68.2	-13.95	PK
Horizontal	17265.061	44.39	-3.01	41.38	54	-12.62	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.056	71.80	-18.93	52.87	68.2	-15.33	PK
Vertical	6039.056	59.30	-18.93	40.37	54	-13.63	AV
Vertical	11590.077	63.59	-8.87	54.72	74	-19.28	PK
Vertical	11590.077	49.09	-8.87	40.22	54	-13.78	AV
Vertical	17385.154	57.47	-2.35	55.12	68.2	-13.08	PK
Vertical	17385.154	44.92	-2.35	42.57	54	-11.43	AV
Horizontal	6039.077	74.43	-18.93	55.50	68.2	-12.70	PK
Horizontal	6039.077	59.24	-18.93	40.31	54	-13.69	AV
Horizontal	11590.181	61.57	-8.87	52.70	74	-21.30	PK
Horizontal	11590.181	49.04	-8.87	40.17	54	-13.83	AV
Horizontal	17385.127	58.60	-2.35	56.25	68.2	-11.95	PK
Horizontal	17385.127	44.93	-2.35	42.58	54	-11.42	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	4679.088	74.61	-20.24	54.37	74	-19.63	PK
Vertical	4679.088	59.41	-20.24	39.17	54	-14.83	AV
Vertical	11490.120	61.92	-8.79	53.13	68.2	-15.07	PK
Vertical	11490.120	49.99	-8.79	41.20	54	-12.80	AV
Vertical	17235.189	59.86	-3.18	56.68	68.2	-11.52	PK
Vertical	17235.189	44.34	-3.18	41.16	54	-12.84	AV
Horizontal	4679.067	74.34	-20.24	54.10	74	-19.90	PK
Horizontal	4679.067	59.44	-20.24	39.20	54	-14.80	AV
Horizontal	11490.182	61.16	-8.79	52.37	68.2	-15.83	PK
Horizontal	11490.182	49.36	-8.79	40.57	54	-13.43	AV
Horizontal	17235.133	56.54	-3.18	53.36	68.2	-14.84	PK
Horizontal	17235.133	44.33	-3.18	41.15	54	-12.85	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.178	73.86	-20.42	53.44	74	-20.56	PK
Vertical	4592.178	59.06	-20.42	38.65	54	-15.35	AV
Vertical	11570.163	62.74	-8.86	53.88	68.2	-14.32	PK
Vertical	11570.163	49.69	-8.86	40.83	54	-13.17	AV
Vertical	17355.026	59.00	-2.52	56.48	68.2	-11.72	PK
Vertical	17355.026	44.75	-2.52	42.23	54	-11.77	AV
Horizontal	4592.193	72.87	-20.42	52.45	74	-21.55	PK
Horizontal	4592.193	59.54	-20.42	39.13	54	-14.87	AV
Horizontal	11570.088	64.89	-8.86	56.03	68.2	-12.17	PK
Horizontal	11570.088	49.21	-8.86	40.35	54	-13.65	AV
Horizontal	17355.103	57.21	-2.52	54.69	68.2	-13.51	PK
Horizontal	17355.103	44.07	-2.52	41.55	54	-12.45	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.196	74.14	-18.93	55.20	68.2	-13.00	PK
Vertical	6039.196	59.98	-18.93	41.04	54	-12.96	AV
Vertical	11650.129	61.37	-8.92	52.45	74	-21.55	PK
Vertical	11650.129	49.57	-8.92	40.65	54	-13.35	AV
Vertical	17475.073	55.25	-1.86	53.39	68.2	-14.81	PK
Vertical	17475.073	44.19	-1.86	42.33	54	-11.67	AV
Horizontal	6039.104	74.02	-18.93	55.09	68.2	-13.11	PK
Horizontal	6039.104	59.30	-18.93	40.37	54	-13.63	AV
Horizontal	11650.075	61.02	-8.92	52.10	74	-21.90	PK
Horizontal	11650.075	49.58	-8.92	40.66	54	-13.34	AV
Horizontal	17475.105	59.69	-1.86	57.83	68.2	-10.37	PK
Horizontal	17475.105	44.88	-1.86	43.02	54	-10.98	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	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	4679.165	72.17	-20.24	51.92	74	-22.08	PK
Vertical	4679.165	59.61	-20.24	39.37	54	-14.63	AV
Vertical	11510.177	60.65	-8.81	51.84	74	-22.16	PK
Vertical	11510.177	49.00	-8.81	40.19	54	-13.81	AV
Vertical	17265.028	59.88	-3.01	56.87	68.2	-11.33	PK
Vertical	17265.028	44.72	-3.01	41.71	54	-12.29	AV
Horizontal	4679.175	70.83	-20.24	50.58	74	-23.42	PK
Horizontal	4679.175	59.83	-20.24	39.59	54	-14.41	AV
Horizontal	11510.184	62.68	-8.81	53.87	74	-20.13	PK
Horizontal	11510.184	49.11	-8.81	40.30	54	-13.70	AV
Horizontal	17265.021	55.93	-3.01	52.92	68.2	-15.28	PK
Horizontal	17265.021	44.89	-3.01	41.88	54	-12.12	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.006	73.94	-18.93	55.01	68.2	-13.19	PK
Vertical	6039.006	59.64	-18.93	40.70	54	-13.30	AV
Vertical	11590.128	62.49	-8.87	53.62	74	-20.38	PK
Vertical	11590.128	49.53	-8.87	40.66	54	-13.34	AV
Vertical	17385.099	56.96	-2.35	54.61	68.2	-13.59	PK
Vertical	17385.099	44.51	-2.35	42.16	54	-11.84	AV
Horizontal	6039.195	70.56	-18.93	51.63	68.2	-16.57	PK
Horizontal	6039.195	59.86	-18.93	40.93	54	-13.07	AV
Horizontal	11590.145	61.97	-8.87	53.10	74	-20.90	PK
Horizontal	11590.145	49.83	-8.87	40.96	54	-13.04	AV
Horizontal	17385.104	55.33	-2.35	52.98	68.2	-15.22	PK
Horizontal	17385.104	44.36	-2.35	42.01	54	-11.99	AV

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

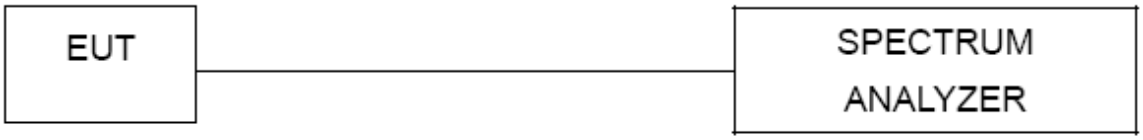
Test Mode :	TX (5.8G) -- 802.11ac 80

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 (5775 MHz)-Above 1G							
Vertical	4679.001	74.71	-20.24	54.47	74	-19.53	PK
Vertical	4679.001	59.17	-20.24	38.93	54	-15.07	AV
Vertical	11550.098	60.13	-8.84	51.29	74	-22.71	PK
Vertical	11550.098	49.65	-8.84	40.81	54	-13.19	AV
Vertical	17325.167	56.67	-2.68	53.99	68.2	-14.21	PK
Vertical	17325.167	44.90	-2.68	42.22	54	-11.78	AV
Horizontal	4679.096	71.36	-20.24	51.11	74	-22.89	PK
Horizontal	4679.096	59.83	-20.24	39.58	54	-14.42	AV
Horizontal	11550.077	62.88	-8.84	54.04	74	-19.96	PK
Horizontal	11550.077	49.36	-8.84	40.52	54	-13.48	AV
Horizontal	17325.181	58.77	-2.68	56.09	68.2	-12.11	PK
Horizontal	17325.181	44.43	-2.68	41.75	54	-12.25	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.

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 12V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

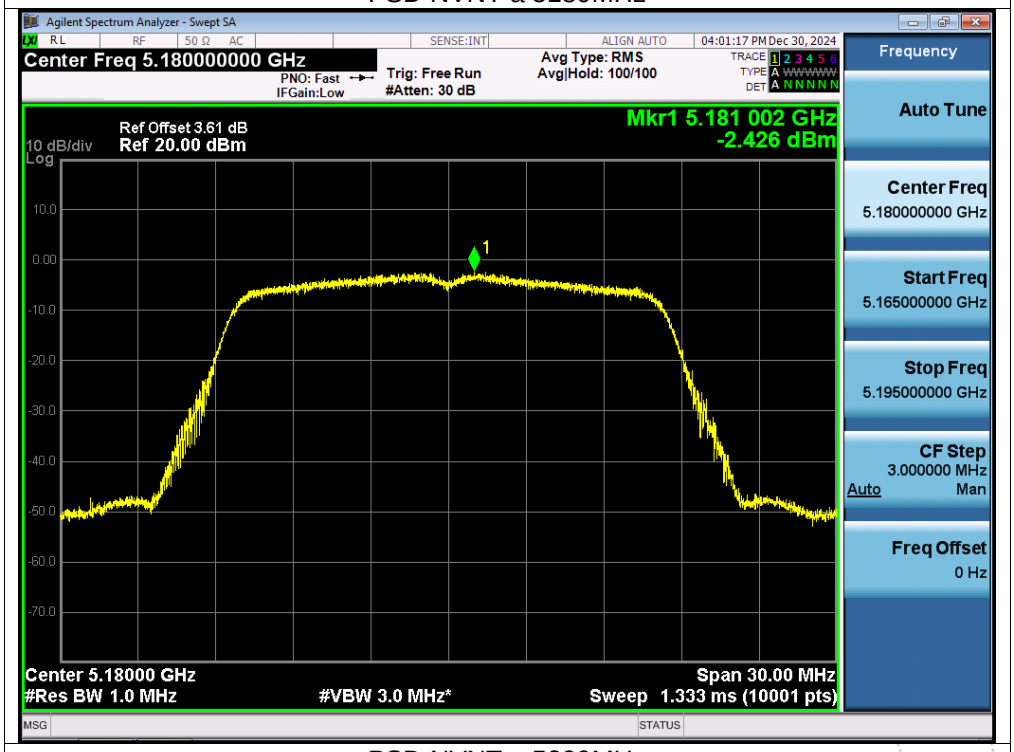
Condition	Mode	Frequency (MHz)	Measured Power Density (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5180	**-2.43**	-3.06	/	17	PASS
NVNT	a	5200	-2.88	-3.8	/	17	PASS
NVNT	a	5240	-2.95	-3.97	/	17	PASS
NVNT	n20	5180	-3.58	-4.29	-0.91	15.16	PASS
NVNT	n20	5200	-4.31	-5.7	-1.94	15.16	PASS
NVNT	n20	5240	-4.19	-6.16	-2.05	15.16	PASS
NVNT	n40	5190	-8.07	-9.27	-5.62	15.16	PASS
NVNT	n40	5230	-7.81	-9.95	-5.74	15.16	PASS
NVNT	ac20	5180	-3.79	-4.41	-1.08	15.16	PASS
NVNT	ac20	5200	-4.37	-5.16	-1.74	15.16	PASS
NVNT	ac20	5240	-3.7	-6.22	-1.77	15.16	PASS
NVNT	ac40	5190	-7.06	-9.1	-4.95	15.16	PASS
NVNT	ac40	5230	-7.73	-10.27	-5.81	15.16	PASS
NVNT	ac80	5210	-12.07	-13.5	-9.72	15.16	PASS

Note:
Antenna A gain: 4.83 dBi, Antenna B gain: 4.83 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =7.84 dbi>6dbi
Limit=17-(7.84-6)=15.16 dbm

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

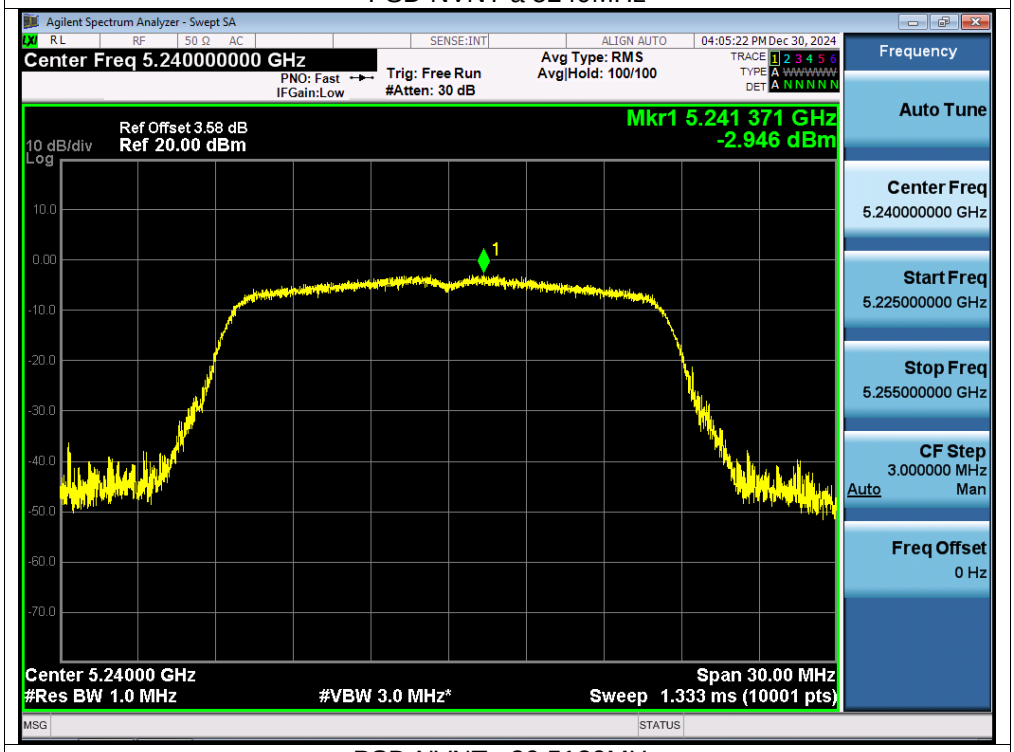
Test Graphs

PSD NVNT a 5180MHz

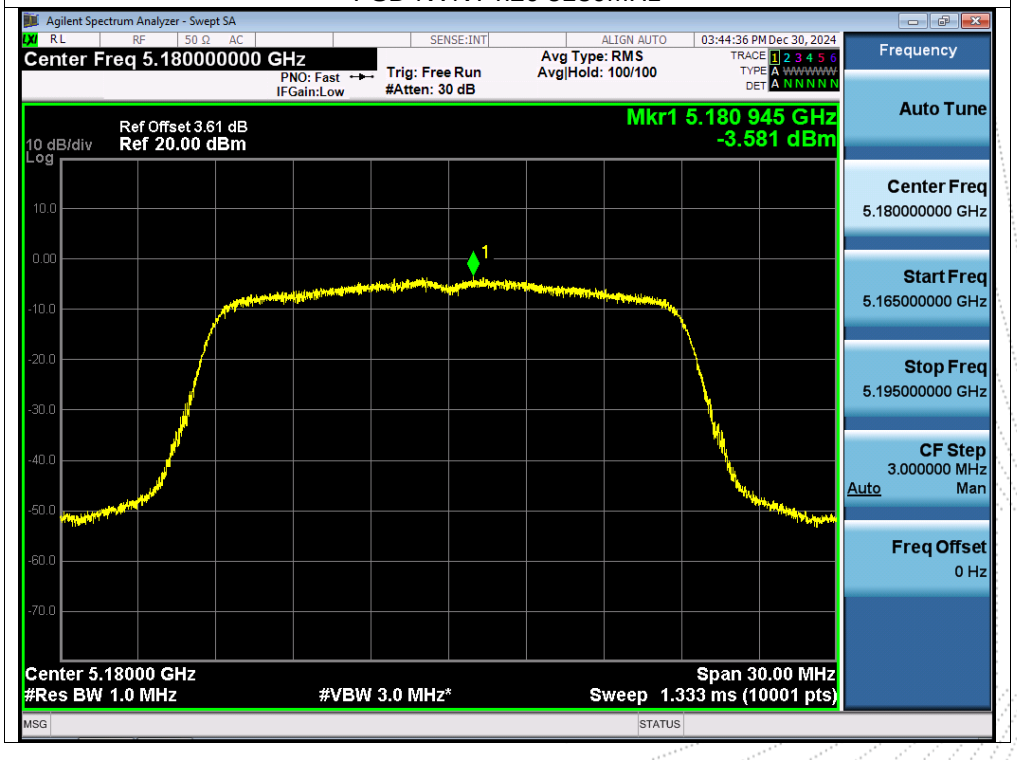


PSD NVNT a 5200MHz

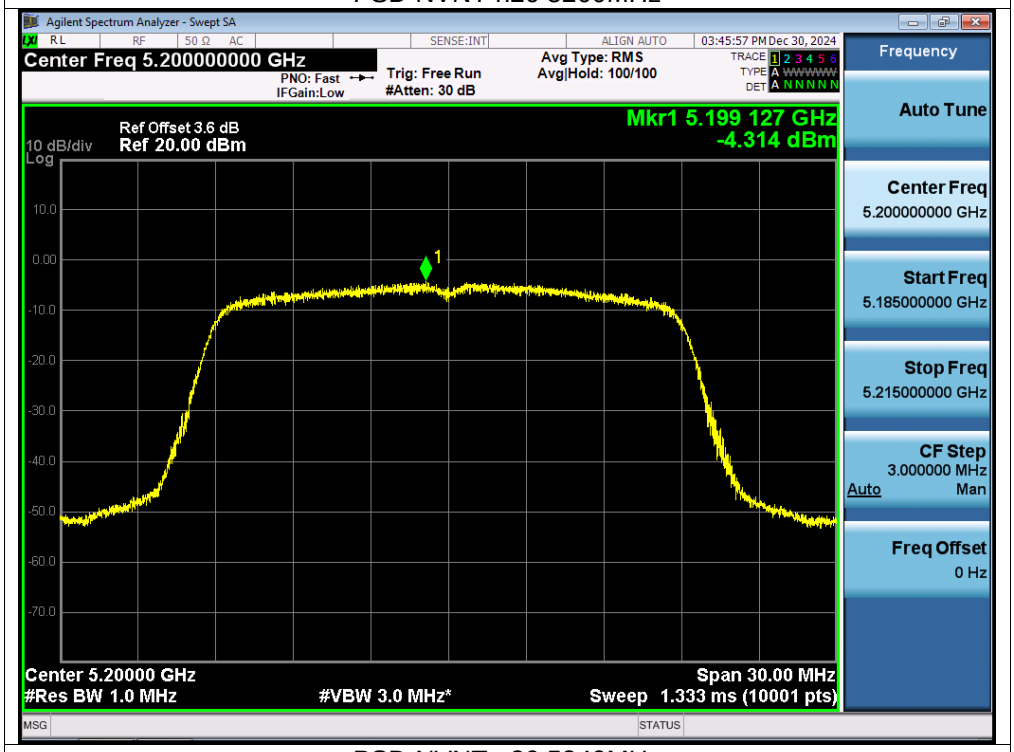
PSD NVNT a 5240MHz



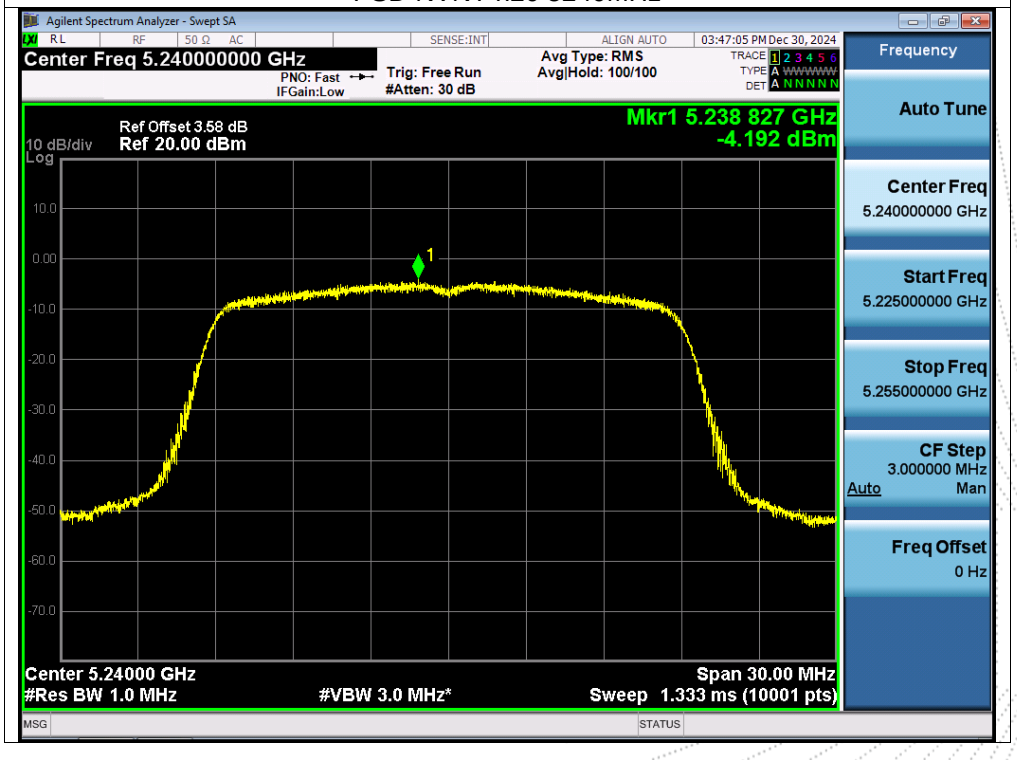
PSD NVNT n20 5180MHz



PSD NVNT n20 5200MHz



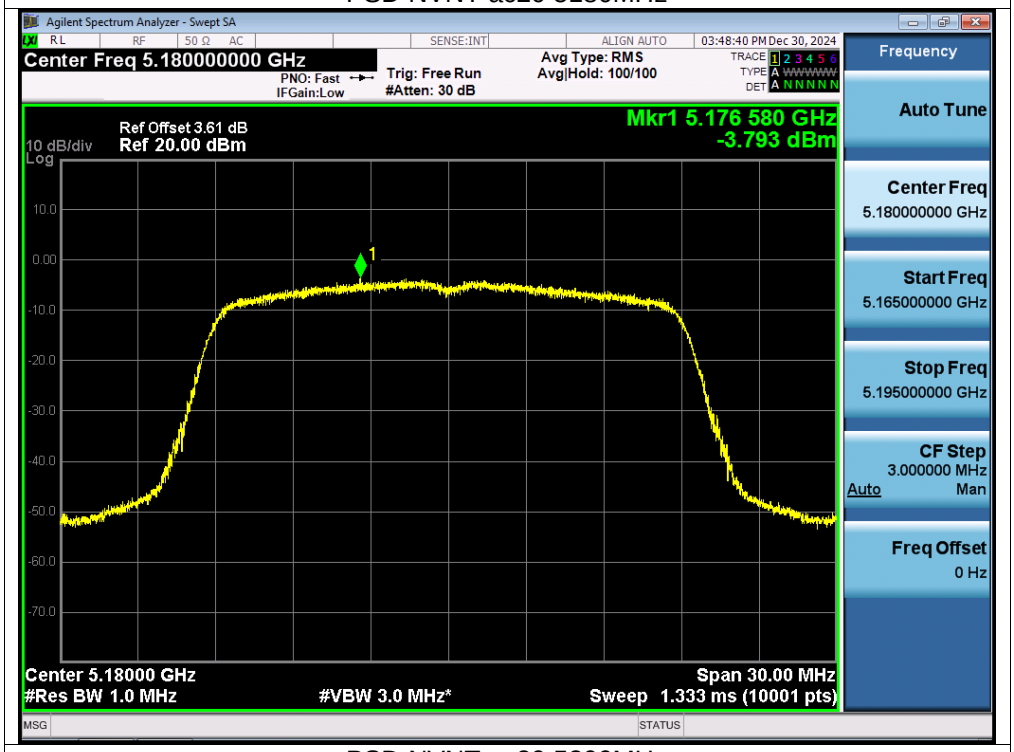
PSD NVNT n20 5240MHz



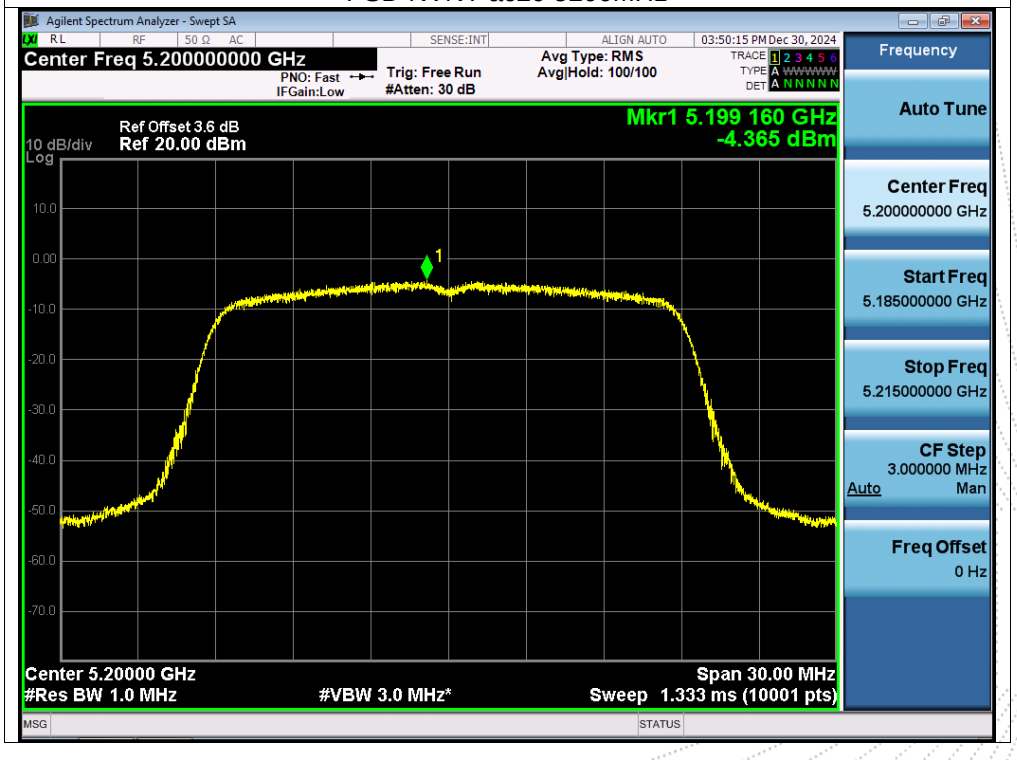
PSD NVNT n40 5190MHz

PSD NVNT n40 5230MHz

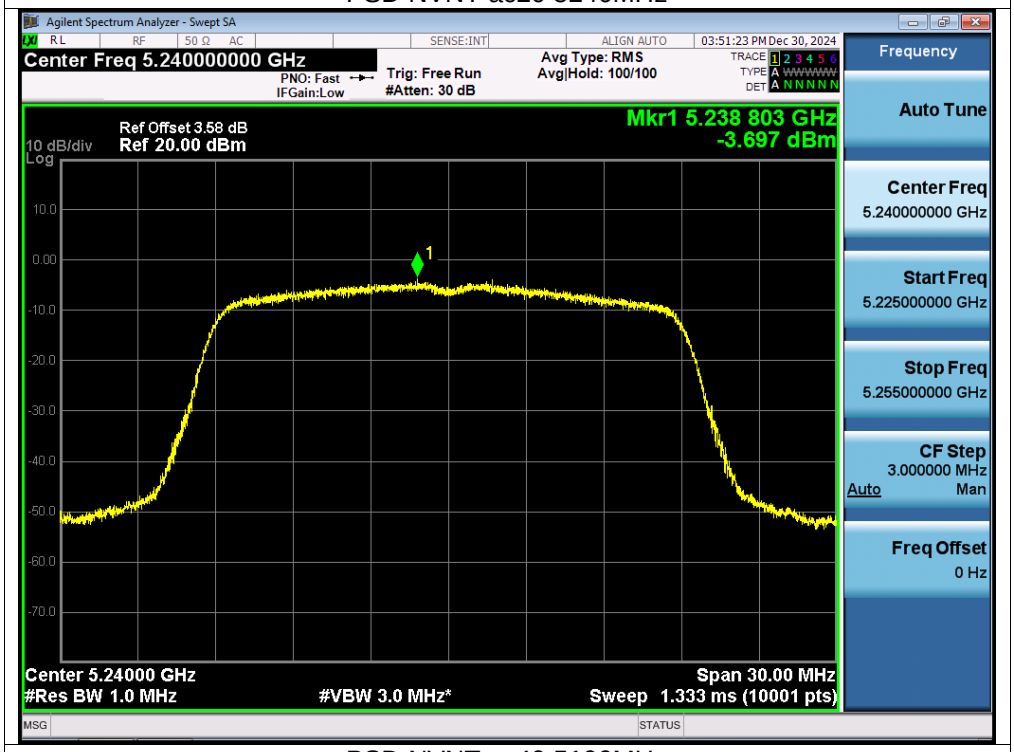
PSD NVNT ac20 5180MHz



PSD NVNT ac20 5200MHz



PSD NVNT ac20 5240MHz



PSD NVNT ac40 5190MHz

PSD NVNT ac40 5230MHz

PSD NVNT ac80 5210MHz

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 12V
Test Mode:	TX Frequency U-NII-3 (5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Measured Power Density (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5745	-6.67	**-6.11**	/	30	PASS
NVNT	a	5785	-7.6	-7.23	/	30	PASS
NVNT	a	5825	-6.95	-7.63	/	30	PASS
NVNT	n20	5745	-7.34	-7.47	-4.39	28.16	PASS
NVNT	n20	5785	-8.44	-8.18	-5.30	28.16	PASS
NVNT	n20	5825	-8.36	-9.04	-5.68	28.16	PASS
NVNT	n40	5755	-11.93	-11.9	-8.90	28.16	PASS
NVNT	n40	5795	-12.37	-12.43	-9.39	28.16	PASS
NVNT	ac20	5745	-7.94	-7.29	-4.59	28.16	PASS
NVNT	ac20	5785	-8.94	-8.19	-5.54	28.16	PASS
NVNT	ac20	5825	-8.04	-8.97	-5.47	28.16	PASS
NVNT	ac40	5755	-11.87	-11.77	-8.81	28.16	PASS
NVNT	ac40	5795	-12.45	-12.12	-9.27	28.16	PASS
NVNT	ac80	5775	-15.86	-15.24	-12.53	28.16	PASS

Note:
Antenna A gain: 4.83 dBi, Antenna B gain: 4.83 dBi, Directional gain=[GainANT + 10 log(NANT) dBi] =7.84 dbi>6dbi
Limit=30-(7.84-6)=28.16 dbi

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

PSD NVNT n40 5755MHz

PSD NVNT n40 5795MHz

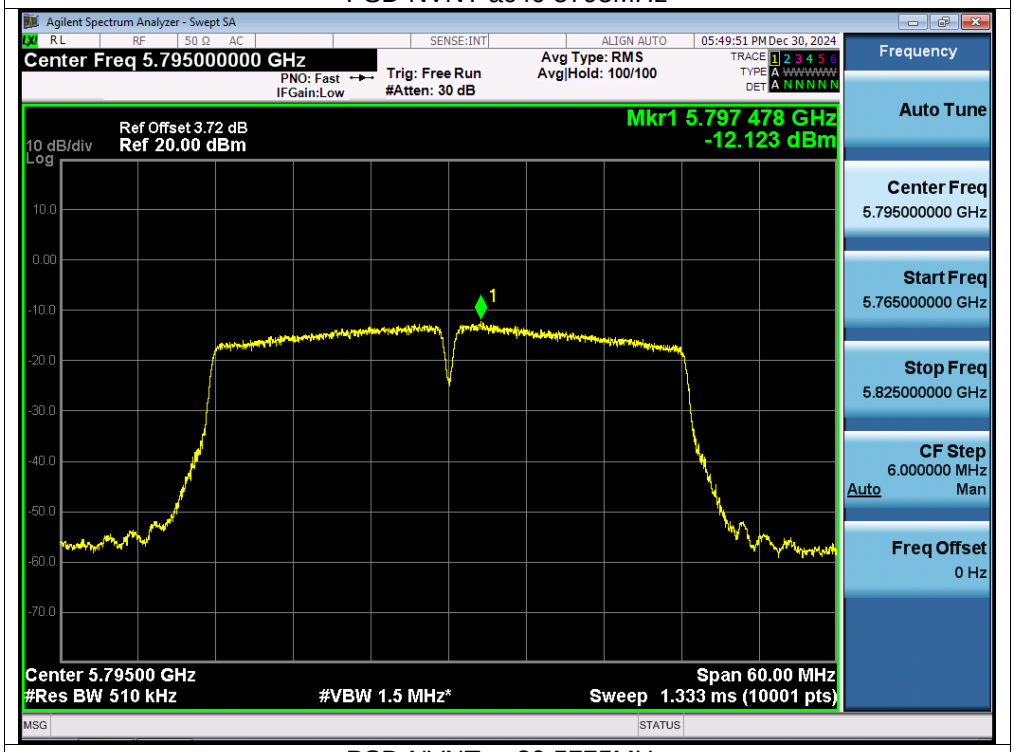
PSD NVNT ac20 5745MHz

PSD NVNT ac20 5785MHz

PSD NVNT ac20 5825MHz

PSD NVNT ac40 5755MHz

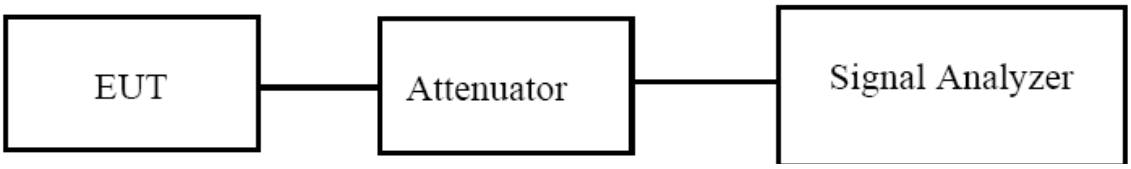
PSD NVNT ac40 5795MHz



PSD NVNT ac80 5775MHz

9. 26dB & 6dB & 99% Emission Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power
is integrated over the full reference bandwidth.
(6dB bandwidth)>500kHz

9.3 Test Procedure

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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

6dB
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.

6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

9.4 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.

9.5 Test Result

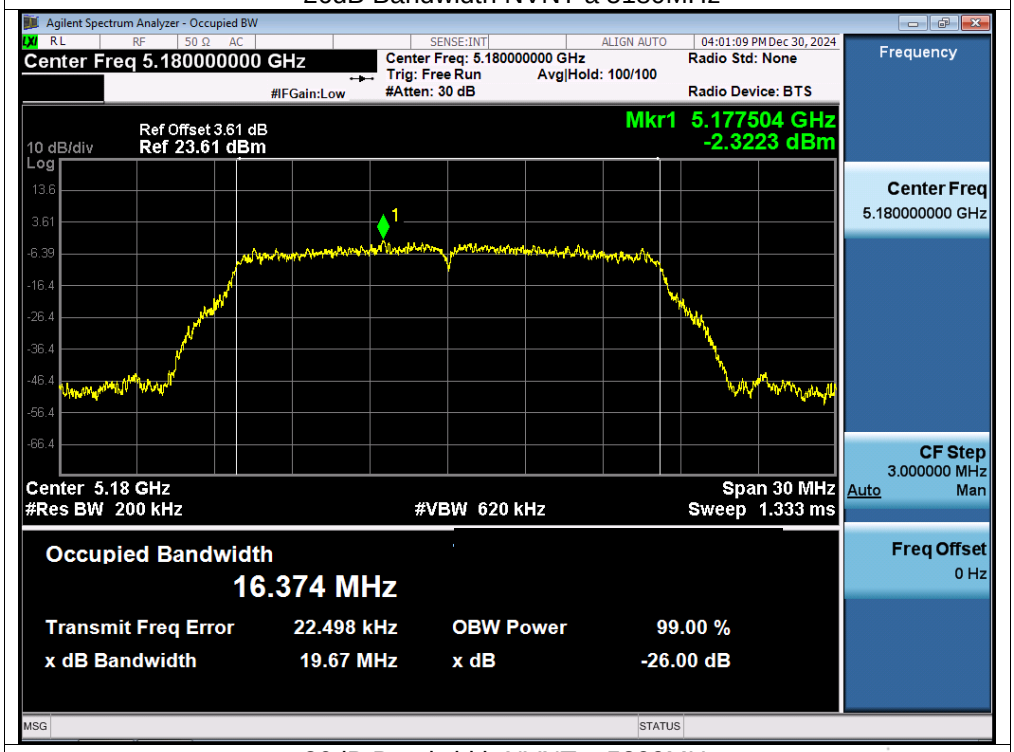
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 12V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

Mode	Channel	Frequency (MHz)	99% OBW (MHz)		26dB bandwidth (MHz)		Result
			ANT A	ANT B	ANT A	ANT B	
NVNT	a	5180	16.379	16.366	19.675	19.678	Pass
NVNT	a	5200	16.369	16.384	19.688	19.79	Pass
NVNT	a	5240	16.449	16.386	20.118	19.534	Pass
NVNT	n20	5180	17.529	17.528	20.288	19.971	Pass
NVNT	n20	5200	17.528	17.541	19.848	19.808	Pass
NVNT	n20	5240	17.504	17.546	20.089	20.095	Pass
NVNT	n40	5190	36.013	35.967	40.447	40.172	Pass
NVNT	n40	5230	35.931	35.997	40.204	40.203	Pass
NVNT	ac20	5180	17.549	17.538	19.861	19.938	Pass
NVNT	ac20	5200	17.55	17.546	19.924	20.03	Pass
NVNT	ac20	5240	17.548	17.539	20.014	19.85	Pass
NVNT	ac40	5190	35.982	35.971	40.293	40.094	Pass
NVNT	ac40	5230	35.98	36	40.009	40.172	Pass
NVNT	ac80	5210	**75.396**	75.353	80.401	**80.525**	Pass

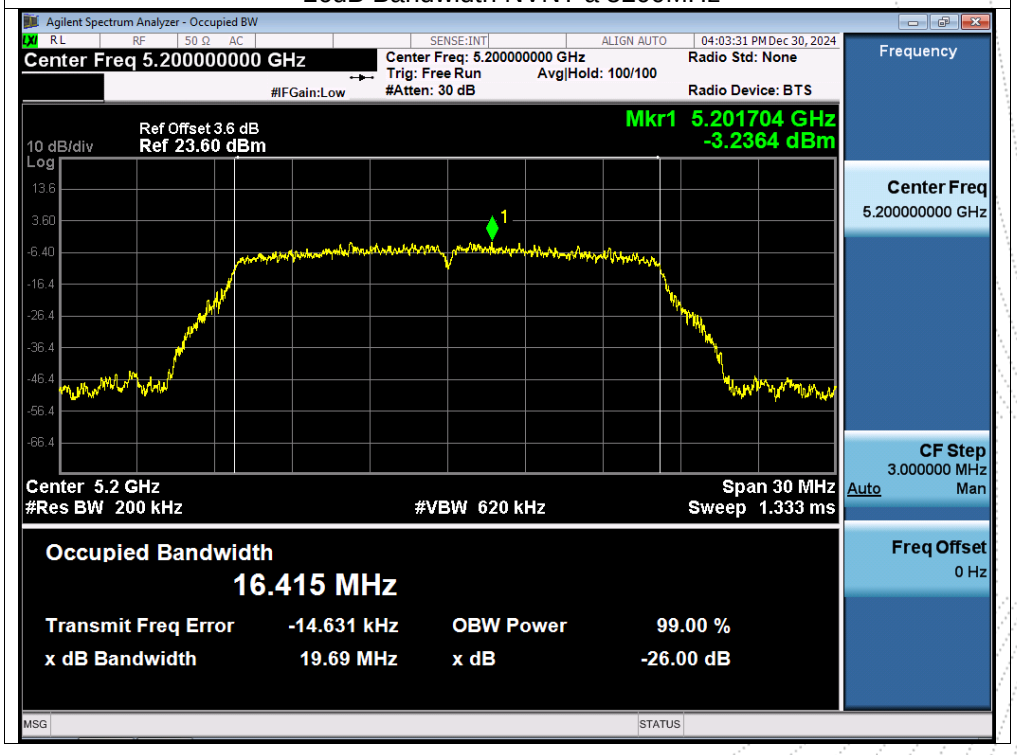
Note: A(B) Represent the value of antenna A and B. The worst data is Antenna A, only shown Antenna A Plot.

Test Graphs

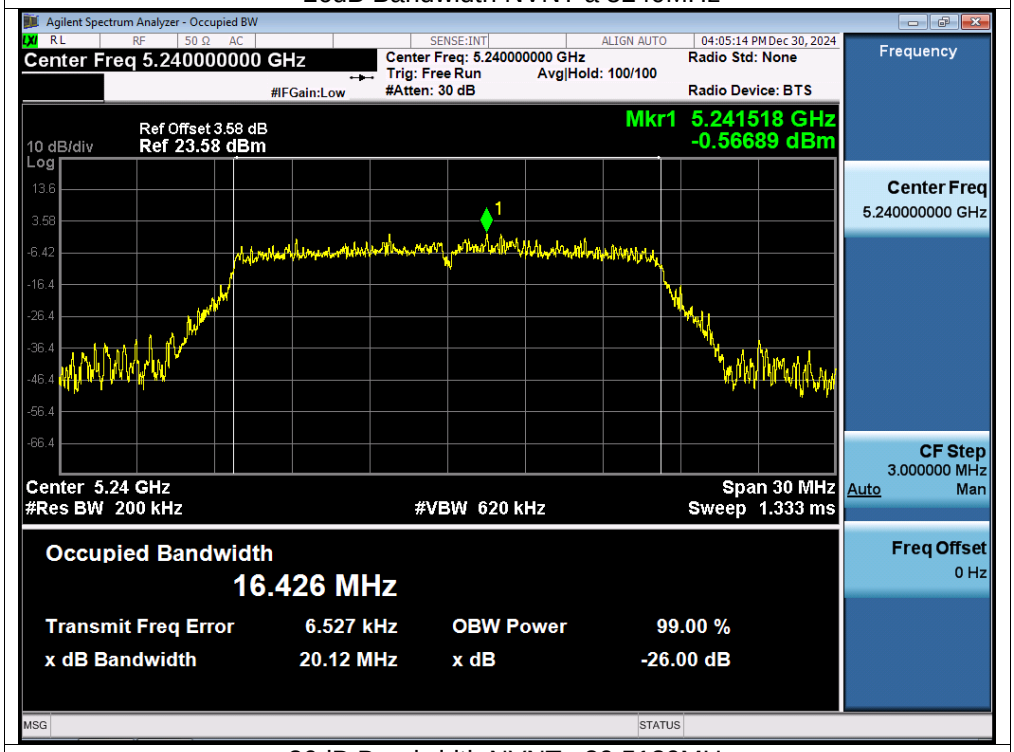
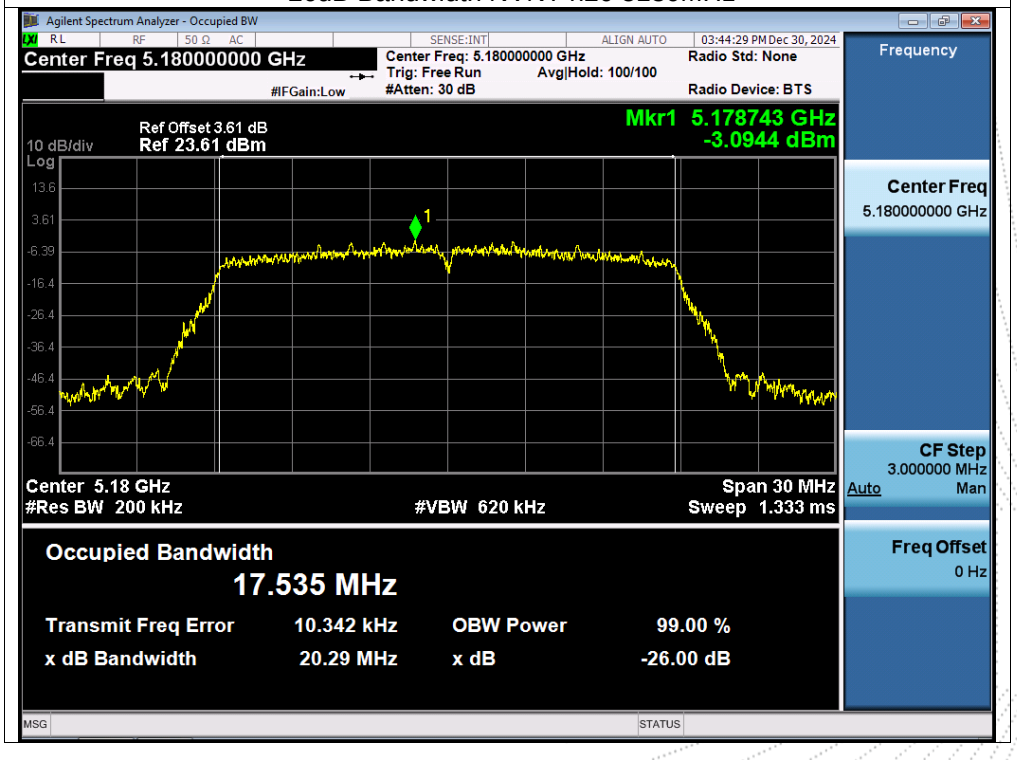
-26dB Bandwidth NVNT a 5180MHz



-26dB Bandwidth NVNT a 5200MHz



-26dB Bandwidth NVNT a 5240MHz



-26dB Bandwidth NVNT n20 5180MHz