TEST REPORT

Report No.:	BCTC2410317584-2E
Applicant:	Xiamen Ouxinda Electronic Commerce Co.,LTD.
Product Name:	Wi-Fi6 Router
Test Model:	KY-1800AX
Tested Date:	2024-10-09 to 2024-10-30
Issued Date:	2024-10-30

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2BLOFKY-1800AX

Product Name:	Wi-Fi6 Router
Trademark:	N/A
Model/Type reference:	KY-1800AX
Prepared For:	Xiamen Ouxinda Electronic Commerce Co.,LTD.
Address:	Unit 1402, No.1, Chengyi North Street, Phase III, Software Park, Torch High-tech Zone, Xiamen
Manufacturer:	Xiamen Ouxinda Electronic Commerce Co.,LTD.
Address:	Unit 1402, No.1, Chengyi North Street, Phase III, Software Park, Torch High-tech Zone, Xiamen
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:	2024-10-09
Sample tested Date:	2024-10-09 to 2024-10-30
Issue Date:	2024-10-30
Report No.:	BCTC2410317584-2E
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

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.

Table Of Content

Test Report Declaration Page
1. Version 5
2. Test Summary 6
3. Measurement Uncertainty 7
4. Product Information And Test Setup 8
4.1 Product Information 8
4.2 Test Setup Configuration 9
4.3 Support Equipment 9
4.4 Channel List 9
4.5 Test Mode 10
4.7 Antenna 11
5. Test Facility And Test Instrument Used 12
5.1 Test Facility 12
5.2 Test Instrument Used 12
6. Conducted Emissions 14
6.1 Block Diagram Of Test Setup 14
6.2 Limit 14
6.3 Test Procedure 14
6.4 EUT Operating Conditions 14
6.5 Test Result 15
7. Radiated Emissions 17
7.1 Block Diagram Of Test Setup 17
7.2 Limit 18
7.3 Test Procedure 19
7.4 EUT Operating Conditions 20
7.5 Test Result 20
8. Power Spectral Density Test 41
8.1 Block Diagram Of Test Setup 41
8.2 Limit 41
8.3 Test Procedure 42
8.4 EUT Operating Conditions 42
8.5 Test Result 43
9. 26dB & 6dB & 99% Emission Bandwidth 65
9.1 Block Diagram Of Test Setup 65
9.2 Limit 65
9.3 Test Procedure 65
9.4 EUT Operating Conditions 66
9.5 Test Result 67
10. Maximum Conducted Output Power 109
10.1 Block Diagram Of Test Setup 109
10.2 Limit 109
10.3 Test Procedure 109
10.4 EUT Operating Conditions 110
10.5 Test Result 111

11. Out Of Band Emissions 113
11.1 Block Diagram Of Test Setup 113
11.2 Limit 113
11.3 Test Procedure 113
11.4 EUT Operating Conditions 113
11.5 Test Result 113
12. Spurious RF Conducted Emissions 132
12.1 Block Diagram Of Test Setup 132
12.2 Limit 132
12.3 Test Procedure 132
12.4 Test Result 132
13. Frequency Stability Measurement 153
13.1 Block Diagram Of Test Setup 153
13.2 Limit 153
13.3 Test Procedure 153
13.4 Test Result 154
14. Duty Cycle Of Test Signal 160
14.1 Standard Requirement 160
14.2 Formula 160
14.3 Test Procedure 160
14.4 Test Result 160
15. Antenna Requirement 184
15.1 Limit 184
15.2 Test Result 184
16. EUT Photographs 185
17. EUT Test Setup Photographs 186

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2410317584-2E	2024-10-30	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:	KY-1800AX
Model differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax(40MHz channel bandwidth) 802.11ac/ax(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ac(HT20)/ax(HT20); 5190-5230MHz for 802.11n/ac(HT40)/ax(HT40); 5210MHz for 802.11 ac(HT80)/ax(HT80); 5745-5825 MHz for 802.11a/n/ac(HT20)/ax(HT20); 5755-5795 MHz for 802.11n/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-MCS
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM for 802.11a/n/ac/ax;
Number Of Channel	4 channels for 802.11a/n20/ac20/ax20 in the 5180-5240MHz band ; 2 channels for 802.11 n40/ac40/ax40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80/ax80 in the 5210MHz band ; 5 channels for 802.11a/n20/ac20/ax20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ac40/ax40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80/ax80 in the 5775MHz band
Antenna installation:	External antenna*2
Antenna Gain:	Antenna A: 5.12 dBi, Antenna B: 5.45 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: JCY-HW-121000 Input: 100-240V~50/60Hz 0.3A Max. 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	Wi-Fi6 Router	N/A	KY-1800AX	N/A	EUT
E-2	ADAPTER	N/A	JCY-HW-121000	N/A	Auxiliary
E-3	PC	Lenovo	TP00117D	N/A	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/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 / n/ ac 20/ ax 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20/ ax 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40/ ax 40 CH38/ CH 46 802.11n/ ac40/ ax 40 CH 151 / CH 159
Mode 3	802.11 ac80/ ax80 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	CMD		
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 8.30 dBi
2)For power measurements,
The Array gain=0 dB for NANT⩽4,
So the directional gain for Power measurements is 5.29 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	External antenna	5.29	N/A
B	N/A	N/A	External antenna	4.89	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

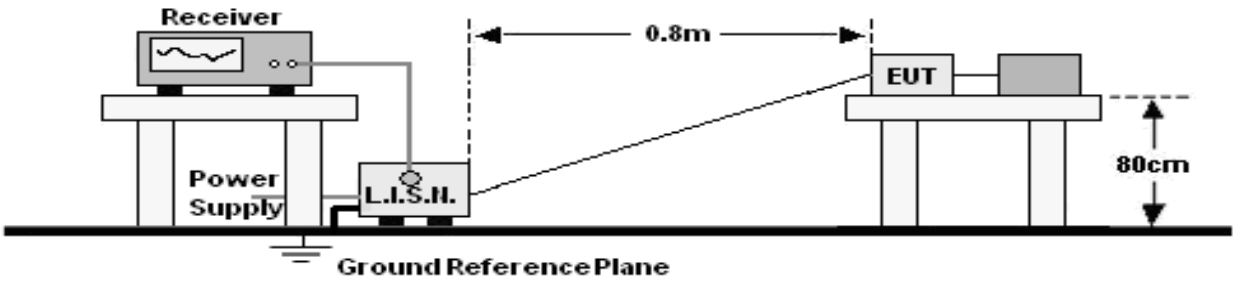
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	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_01G18 G-45dB	SK202104090 1	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn Antenna(18G Hz-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

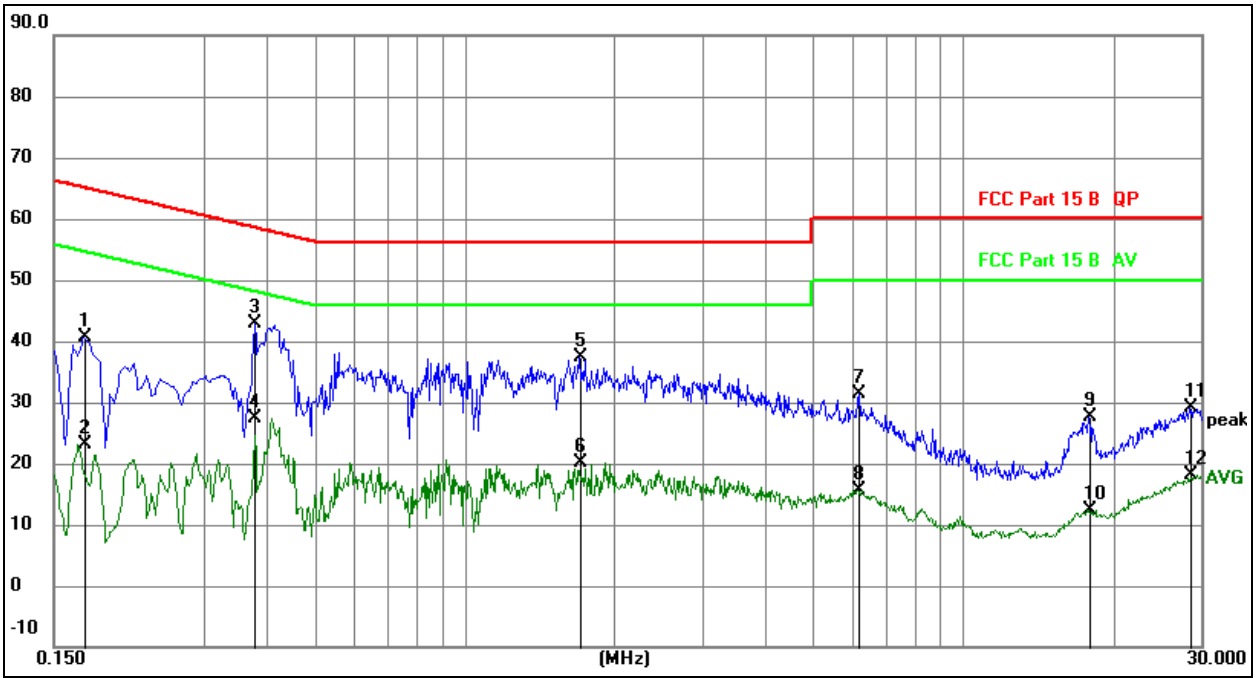
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak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

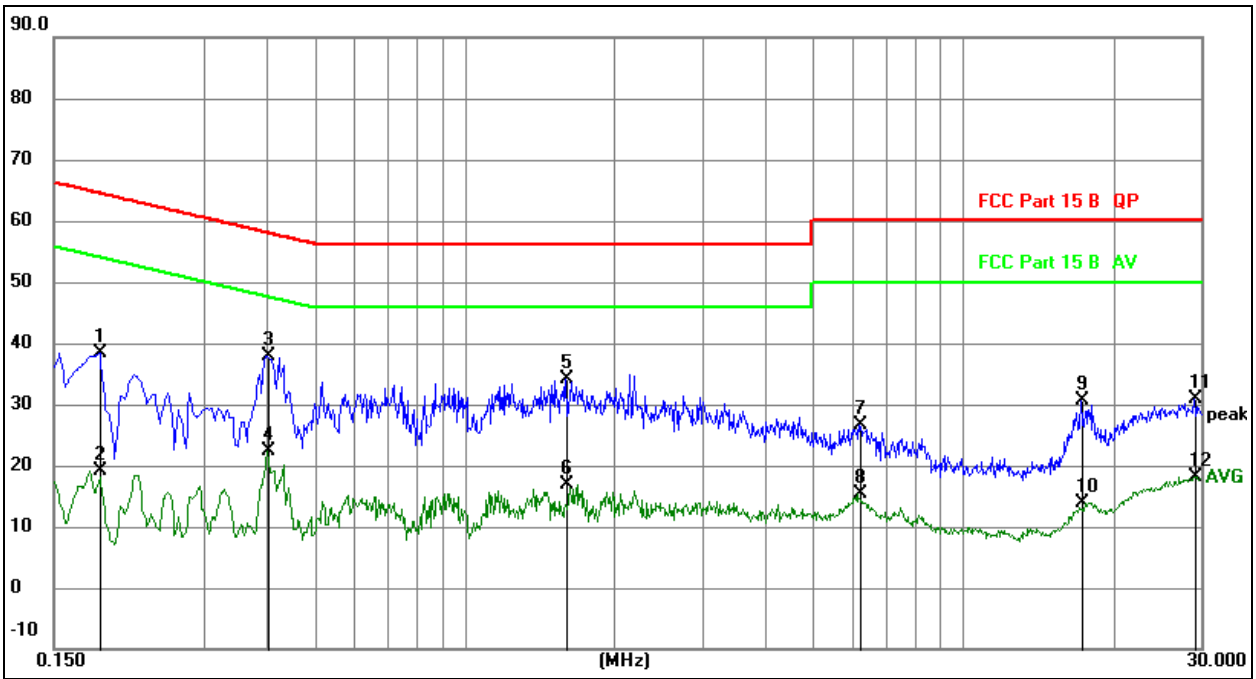
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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		0.1722	20.53	20.07	40.60	64.85	-24.25	QP
2		0.1722	3.11	20.07	23.18	54.85	-31.67	AVG
3	*	0.3791	22.76	20.08	42.84	58.30	-15.46	QP
4		0.3791	7.28	20.08	27.36	48.30	-20.94	AVG
5		1.6981	17.32	20.10	37.42	56.00	-18.58	QP
6		1.6981	-0.08	20.10	20.02	46.00	-25.98	AVG
7		6.1860	11.19	20.15	31.34	60.00	-28.66	QP
8		6.1860	-4.47	20.15	15.68	50.00	-34.32	AVG
9		17.8493	7.28	20.32	27.60	60.00	-32.40	QP
10		17.8493	-7.88	20.32	12.44	50.00	-37.56	AVG
11		28.4519	8.83	20.28	29.11	60.00	-30.89	QP
12		28.4519	-2.20	20.28	18.08	50.00	-31.92	AVG

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



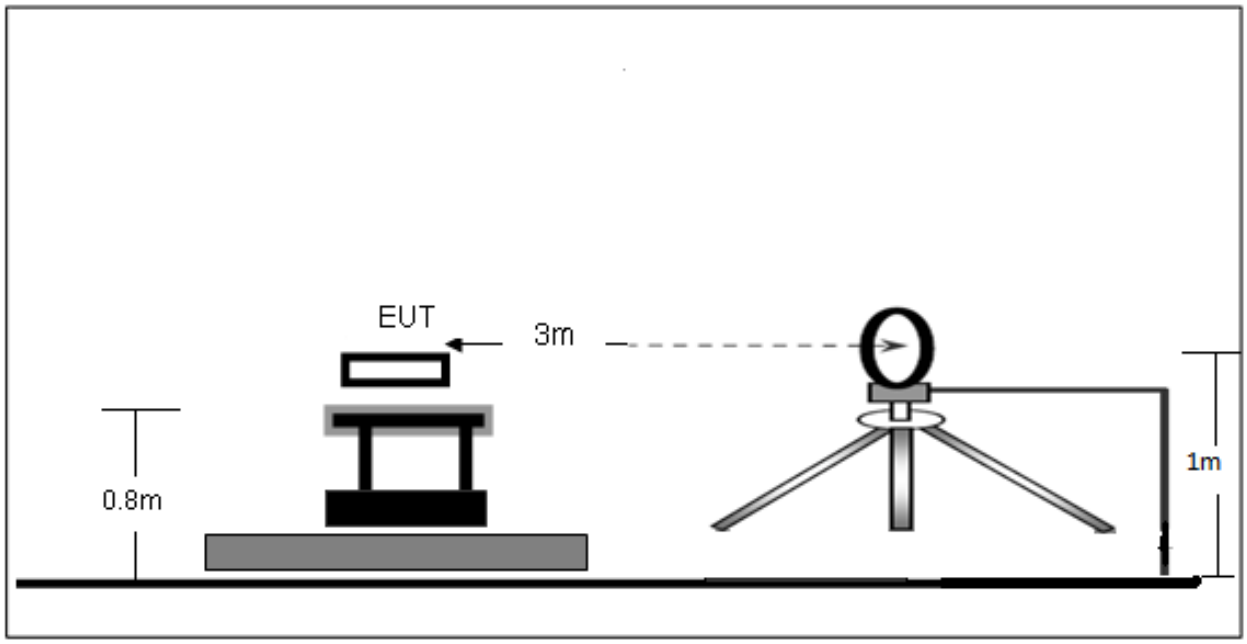
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1860	18.40	20.07	38.47	64.21	-25.74	QP
2		0.1860	-0.92	20.07	19.15	54.21	-35.06	AVG
3	*	0.4020	17.87	20.08	37.95	57.81	-19.86	QP
4		0.4020	2.19	20.08	22.27	47.81	-25.54	AVG
5		1.5945	13.98	20.10	34.08	56.00	-21.92	QP
6		1.5945	-3.29	20.10	16.81	46.00	-29.19	AVG
7		6.1979	6.47	20.15	26.62	60.00	-33.38	QP
8		6.1979	-4.73	20.15	15.42	50.00	-34.58	AVG
9		17.2185	10.41	20.32	30.73	60.00	-29.27	QP
10		17.2185	-6.36	20.32	13.96	50.00	-36.04	AVG
11		29.0805	10.49	20.28	30.77	60.00	-29.23	QP
12		29.0805	-2.13	20.28	18.15	50.00	-31.85	AVG

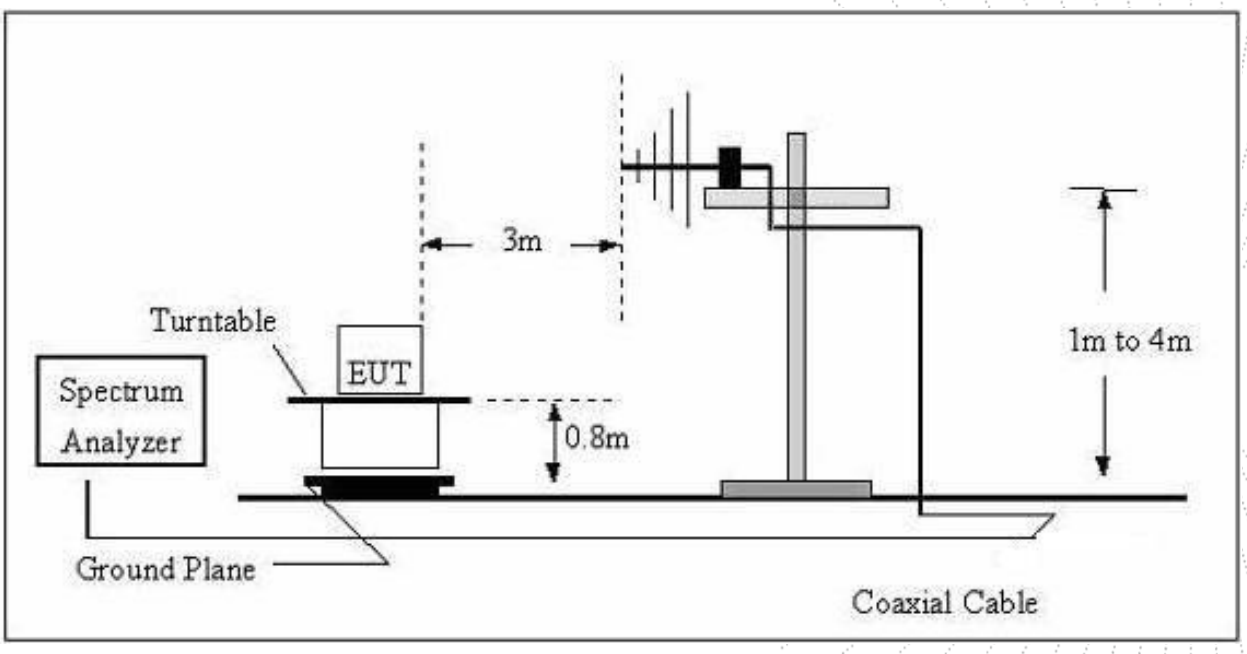
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

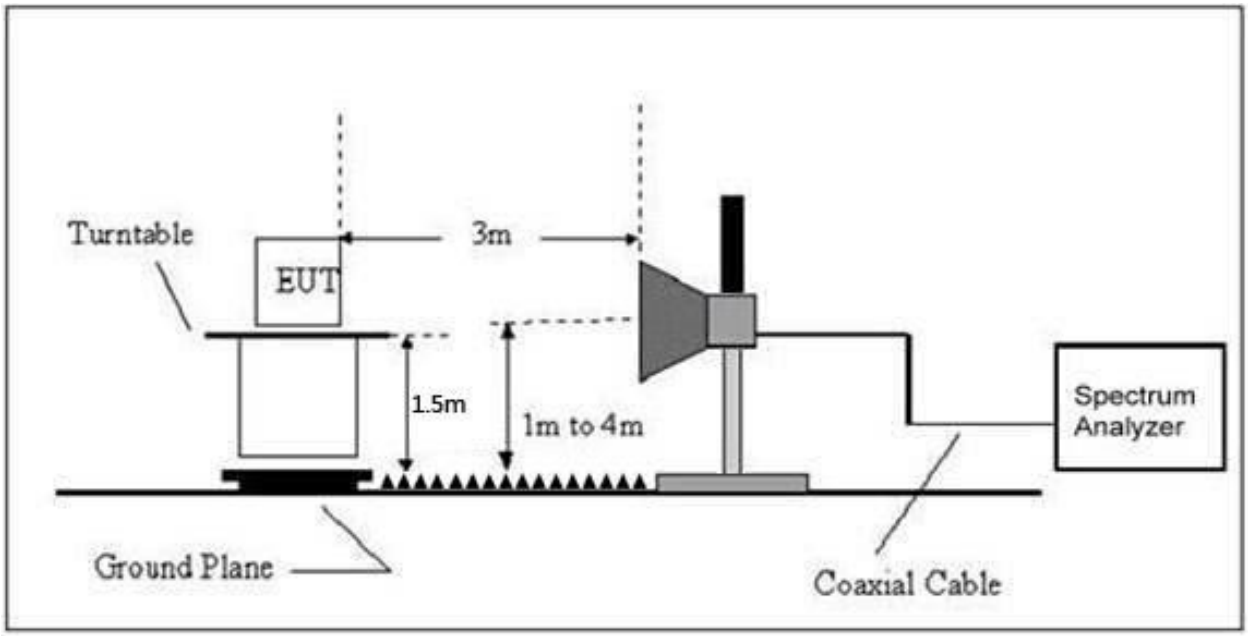
（A）Radiated Emission Test-Up Frequency Below 30MHz



（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

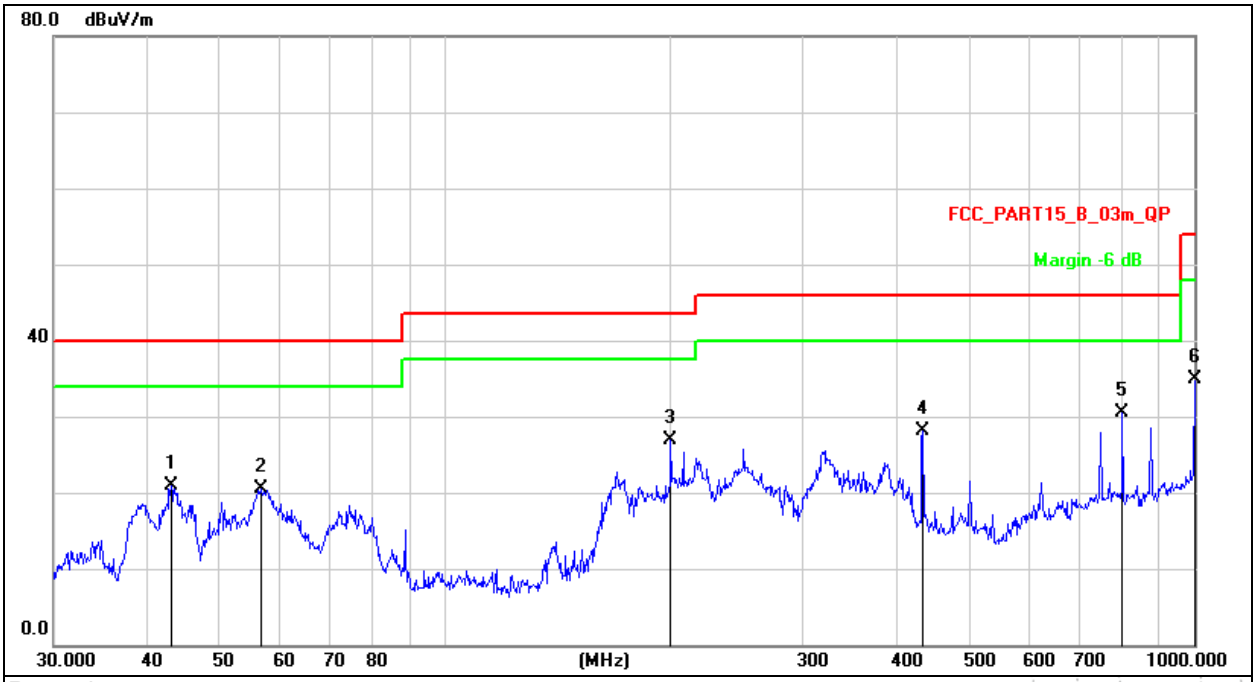
Temperature:	26℃	Relative Humidity:	24%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	--

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

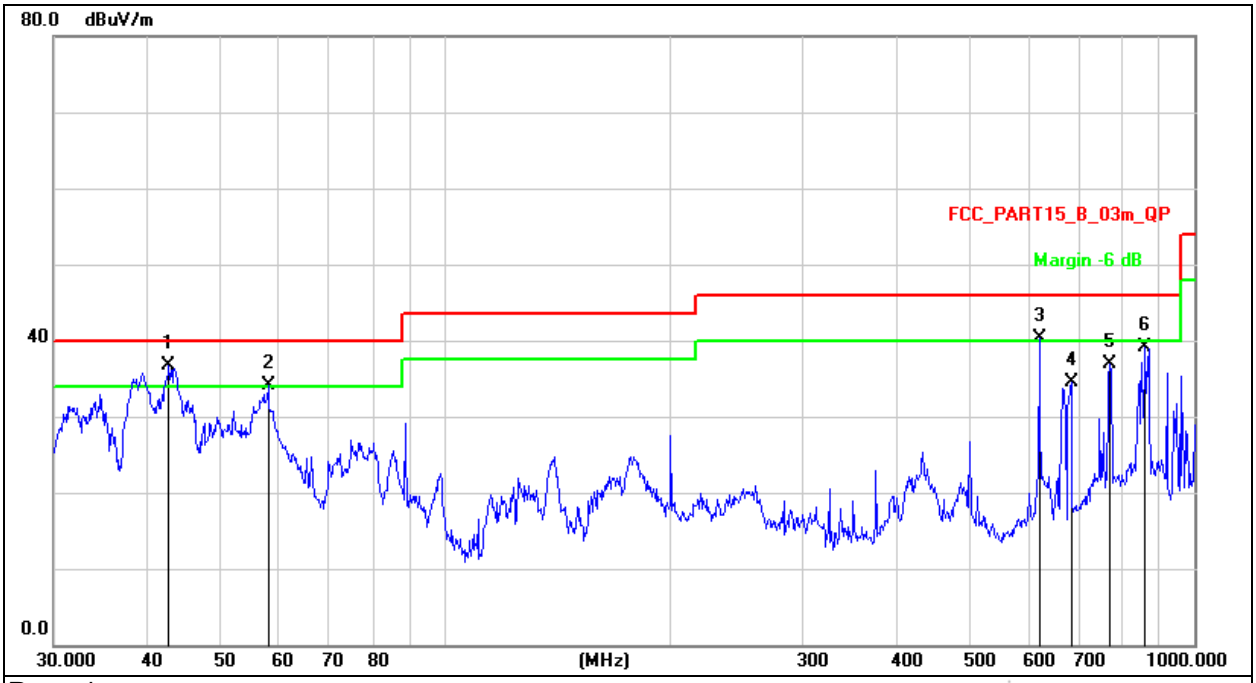
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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		43.0504	35.38	-14.47	20.91	40.00	-19.09	QP
2		56.7916	35.23	-14.82	20.41	40.00	-19.59	QP
3		199.9856	42.66	-15.72	26.94	43.50	-16.56	QP
4		434.0650	38.26	-10.17	28.09	46.00	-17.91	QP
5	*	801.7862	34.85	-4.38	30.47	46.00	-15.53	QP
6		1000.000	37.19	-2.36	34.83	54.00	-19.17	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	*	42.7496	51.21	-14.49	36.72	40.00	-3.28	QP
2	!	57.9992	49.13	-14.98	34.15	40.00	-5.85	QP
3	!	620.7096	46.91	-6.66	40.25	46.00	-5.75	QP
4		684.7454	40.43	-5.85	34.58	46.00	-11.42	QP
5		771.4486	41.68	-4.74	36.94	46.00	-9.06	QP
6		860.0352	42.98	-3.81	39.17	46.00	-6.83	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	4434.14	72.76	-20.73	52.03	68.20	-16.17	PK
Vertical	4434.14	59.84	-20.73	39.11	54.00	-14.89	AV
Vertical	10360.05	60.92	-9.36	51.56	68.20	-16.64	PK
Vertical	10360.05	49.40	-9.36	40.04	54.00	-13.96	AV
Vertical	15540.13	61.76	-7.84	53.92	74.00	-20.08	PK
Vertical	15540.13	49.23	-7.84	41.39	54.00	-12.61	AV
Horizontal	4434.01	73.67	-20.73	52.94	68.20	-15.26	PK
Horizontal	4434.01	59.73	-20.73	39.00	54.00	-15.00	AV
Horizontal	10360.18	63.62	-9.36	54.26	68.20	-13.94	PK
Horizontal	10360.18	49.89	-9.36	40.53	54.00	-13.47	AV
Horizontal	15540.14	64.22	-7.84	56.38	74.00	-17.62	PK
Horizontal	15540.14	49.97	-7.84	42.13	54.00	-11.87	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.17	72.73	-20.42	52.31	74.00	-21.69	PK
Vertical	4592.17	59.71	-20.42	39.30	54.00	-14.70	AV
Vertical	10400.15	63.91	-9.30	54.61	68.20	-13.59	PK
Vertical	10400.15	49.29	-9.30	39.99	54.00	-14.01	AV
Vertical	15600.05	63.92	-7.82	56.10	74.00	-17.90	PK
Vertical	15600.05	49.66	-7.82	41.84	54.00	-12.16	AV
Horizontal	4592.05	72.88	-20.42	52.46	74.00	-21.54	PK
Horizontal	4592.05	59.40	-20.42	38.99	54.00	-15.01	AV
Horizontal	10400.03	61.23	-9.30	51.93	68.20	-16.27	PK
Horizontal	10400.03	49.99	-9.30	40.69	54.00	-13.31	AV
Horizontal	15600.03	63.77	-7.82	55.95	74.00	-18.05	PK
Horizontal	15600.03	49.42	-7.82	41.60	54.00	-12.40	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.04	72.34	-20.12	52.22	74.00	-21.78	PK
Vertical	4739.04	59.80	-20.12	39.68	54.00	-14.32	AV
Vertical	10480.05	64.41	-9.18	55.23	68.20	-12.97	PK
Vertical	10480.05	49.57	-9.18	40.39	54.00	-13.61	AV
Vertical	15720.05	61.63	-7.78	53.85	74.00	-20.15	PK
Vertical	15720.05	49.91	-7.78	42.13	54.00	-11.87	AV
Horizontal	4739.00	72.99	-20.12	52.87	74.00	-21.13	PK
Horizontal	4739.00	59.38	-20.12	39.25	54.00	-14.75	AV
Horizontal	10480.00	64.60	-9.18	55.42	68.20	-12.78	PK
Horizontal	10480.00	49.85	-9.18	40.67	54.00	-13.33	AV
Horizontal	15720.09	62.41	-7.78	54.63	74.00	-19.37	PK
Horizontal	15720.09	49.12	-7.78	41.34	54.00	-12.66	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
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	4434.05	72.67	-20.73	51.94	68.20	-16.26	PK
Vertical	4434.05	59.83	-20.73	39.10	54.00	-14.90	AV
Vertical	10360.14	61.61	-9.36	52.25	68.20	-15.95	PK
Vertical	10360.14	49.08	-9.36	39.72	54.00	-14.28	AV
Vertical	15540.11	60.57	-7.84	52.73	74.00	-21.27	PK
Vertical	15540.11	49.21	-7.84	41.37	54.00	-12.63	AV
Horizontal	4434.05	71.24	-20.73	50.51	68.20	-17.69	PK
Horizontal	4434.05	59.73	-20.73	39.00	54.00	-15.00	AV
Horizontal	10360.17	63.44	-9.36	54.08	68.20	-14.12	PK
Horizontal	10360.17	49.03	-9.36	39.67	54.00	-14.33	AV
Horizontal	15540.11	61.02	-7.84	53.18	74.00	-20.82	PK
Horizontal	15540.11	49.31	-7.84	41.47	54.00	-12.53	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.15	71.71	-20.42	51.30	74.00	-22.70	PK
Vertical	4592.15	59.51	-20.42	39.10	54.00	-14.90	AV
Vertical	10400.13	60.15	-9.30	50.85	68.20	-17.35	PK
Vertical	10400.13	49.52	-9.30	40.22	54.00	-13.78	AV
Vertical	15600.05	61.32	-7.82	53.50	74.00	-20.50	PK
Vertical	15600.05	49.46	-7.82	41.64	54.00	-12.36	AV
Horizontal	4592.04	71.23	-20.42	50.82	74.00	-23.18	PK
Horizontal	4592.04	59.83	-20.42	39.41	54.00	-14.59	AV
Horizontal	10400.17	63.13	-9.30	53.83	68.20	-14.37	PK
Horizontal	10400.17	49.75	-9.30	40.45	54.00	-13.55	AV
Horizontal	15600.00	60.91	-7.82	53.09	74.00	-20.91	PK
Horizontal	15600.00	49.51	-7.82	41.69	54.00	-12.31	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.19	74.96	-20.12	54.84	74.00	-19.16	PK
Vertical	4739.19	59.67	-20.12	39.55	54.00	-14.45	AV
Vertical	10480.15	60.11	-9.18	50.93	68.20	-17.27	PK
Vertical	10480.15	49.20	-9.18	40.02	54.00	-13.98	AV
Vertical	15720.19	61.53	-7.78	53.75	74.00	-20.25	PK
Vertical	15720.19	49.47	-7.78	41.69	54.00	-12.31	AV
Horizontal	4739.13	71.12	-20.12	50.99	74.00	-23.01	PK
Horizontal	4739.13	59.96	-20.12	39.84	54.00	-14.16	AV
Horizontal	10480.01	64.87	-9.18	55.69	68.20	-12.51	PK
Horizontal	10480.01	49.67	-9.18	40.49	54.00	-13.51	AV
Horizontal	15720.02	64.40	-7.78	56.62	74.00	-17.38	PK
Horizontal	15720.02	49.16	-7.78	41.38	54.00	-12.62	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode 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	4434.17	70.42	-20.73	49.69	68.20	-18.51	PK
Vertical	4434.17	59.81	-20.73	39.08	54.00	-14.92	AV
Vertical	10380.18	60.48	-9.33	51.15	68.20	-17.05	PK
Vertical	10380.18	49.78	-9.33	40.45	54.00	-13.55	AV
Vertical	15570.12	60.22	-7.83	52.39	74.00	-21.61	PK
Vertical	15570.12	49.34	-7.83	41.51	54.00	-12.49	AV
Horizontal	4434.07	74.81	-20.73	54.07	74.00	-19.93	PK
Horizontal	4434.07	59.77	-20.73	39.04	54.00	-14.96	AV
Horizontal	10380.08	60.82	-9.33	51.49	68.20	-16.71	PK
Horizontal	10380.08	49.31	-9.33	39.98	54.00	-14.02	AV
Horizontal	15570.11	64.13	-7.83	56.30	74.00	-17.70	PK
Horizontal	15570.11	49.24	-7.83	41.41	54.00	-12.59	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.03	72.42	-20.12	52.30	68.20	-15.90	PK
Vertical	4739.03	59.46	-20.12	39.34	54.00	-14.66	AV
Vertical	10460.15	62.84	-9.21	53.63	68.20	-14.57	PK
Vertical	10460.15	49.87	-9.21	40.66	54.00	-13.34	AV
Vertical	15690.10	60.29	-7.79	52.50	74.00	-21.50	PK
Vertical	15690.10	49.68	-7.79	41.89	54.00	-12.11	AV
Horizontal	4739.00	71.49	-20.12	51.36	68.20	-16.84	PK
Horizontal	4739.00	59.03	-20.12	38.91	54.00	-15.09	AV
Horizontal	10460.17	64.43	-9.21	55.22	68.20	-12.98	PK
Horizontal	10460.17	49.22	-9.21	40.01	54.00	-13.99	AV
Horizontal	15690.00	62.07	-7.79	54.28	74.00	-19.72	PK
Horizontal	15690.00	49.03	-7.79	41.24	54.00	-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) - 802.11ac-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	4434.02	72.56	-20.73	51.82	68.20	-16.38	PK
Vertical	4434.02	60.00	-20.73	39.26	54.00	-14.74	AV
Vertical	10360.14	61.38	-9.36	52.02	68.20	-16.18	PK
Vertical	10360.14	49.07	-9.36	39.71	54.00	-14.29	AV
Vertical	15540.13	61.52	-7.84	53.68	74.00	-20.32	PK
Vertical	15540.13	49.85	-7.84	42.01	54.00	-11.99	AV
Horizontal	4434.05	72.16	-20.73	51.42	68.20	-16.78	PK
Horizontal	4434.05	59.21	-20.73	38.48	54.00	-15.52	AV
Horizontal	10360.17	63.15	-9.36	53.79	68.20	-14.41	PK
Horizontal	10360.17	49.20	-9.36	39.84	54.00	-14.16	AV
Horizontal	15540.10	60.32	-7.84	52.48	74.00	-21.52	PK
Horizontal	15540.10	49.24	-7.84	41.40	54.00	-12.60	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.02	72.56	-20.42	52.14	74.00	-21.86	PK
Vertical	4592.02	59.55	-20.42	39.14	54.00	-14.86	AV
Vertical	10400.09	62.37	-9.30	53.07	68.20	-15.13	PK
Vertical	10400.09	49.21	-9.30	39.91	54.00	-14.09	AV
Vertical	15600.04	63.68	-7.82	55.86	74.00	-18.14	PK
Vertical	15600.04	49.19	-7.82	41.37	54.00	-12.63	AV
Horizontal	4592.18	72.40	-20.42	51.99	74.00	-22.01	PK
Horizontal	4592.18	59.02	-20.42	38.61	54.00	-15.39	AV
Horizontal	10400.10	63.56	-9.30	54.26	68.20	-13.94	PK
Horizontal	10400.10	49.09	-9.30	39.79	54.00	-14.21	AV
Horizontal	15600.02	63.15	-7.82	55.33	74.00	-18.67	PK
Horizontal	15600.02	49.06	-7.82	41.24	54.00	-12.76	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.11	72.48	-20.12	52.36	74.00	-21.64	PK
Vertical	4739.11	59.82	-20.12	39.70	54.00	-14.30	AV
Vertical	10480.06	64.91	-9.18	55.73	68.20	-12.47	PK
Vertical	10480.06	49.91	-9.18	40.73	54.00	-13.27	AV
Vertical	15720.06	60.47	-7.78	52.69	74.00	-21.31	PK
Vertical	15720.06	49.27	-7.78	41.49	54.00	-12.51	AV
Horizontal	4739.18	70.94	-20.12	50.82	74.00	-23.18	PK
Horizontal	4739.18	59.83	-20.12	39.71	54.00	-14.29	AV
Horizontal	10480.09	62.10	-9.18	52.92	68.20	-15.28	PK
Horizontal	10480.09	49.09	-9.18	39.91	54.00	-14.09	AV
Horizontal	15720.08	64.60	-7.78	56.82	74.00	-17.18	PK
Horizontal	15720.08	49.01	-7.78	41.23	54.00	-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-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	4434.05	72.19	-20.73	51.46	68.20	-16.74	PK
Vertical	4434.05	59.37	-20.73	38.64	54.00	-15.36	AV
Vertical	10380.06	60.04	-9.33	50.71	68.20	-17.49	PK
Vertical	10380.06	49.75	-9.33	40.42	54.00	-13.58	AV
Vertical	15570.12	63.91	-7.83	56.08	74.00	-17.92	PK
Vertical	15570.12	49.51	-7.83	41.68	54.00	-12.32	AV
Horizontal	4434.07	71.09	-20.73	50.35	74.00	-23.65	PK
Horizontal	4434.07	59.66	-20.73	38.92	54.00	-15.08	AV
Horizontal	10380.16	61.17	-9.33	51.84	68.20	-16.36	PK
Horizontal	10380.16	49.70	-9.33	40.37	54.00	-13.63	AV
Horizontal	15570.03	62.36	-7.83	54.53	74.00	-19.47	PK
Horizontal	15570.03	49.22	-7.83	41.39	54.00	-12.61	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.01	74.83	-20.12	54.70	68.20	-13.50	PK
Vertical	4739.01	59.62	-20.12	39.50	54.00	-14.50	AV
Vertical	10460.00	61.64	-9.21	52.43	68.20	-15.77	PK
Vertical	10460.00	49.38	-9.21	40.17	54.00	-13.83	AV
Vertical	15690.12	64.08	-7.79	56.29	74.00	-17.71	PK
Vertical	15690.12	49.89	-7.79	42.10	54.00	-11.90	AV
Horizontal	4739.07	71.70	-20.12	51.58	68.20	-16.62	PK
Horizontal	4739.07	59.74	-20.12	39.62	54.00	-14.38	AV
Horizontal	10460.17	61.26	-9.21	52.05	68.20	-16.15	PK
Horizontal	10460.17	49.76	-9.21	40.55	54.00	-13.45	AV
Horizontal	15690.03	61.78	-7.79	53.99	74.00	-20.01	PK
Horizontal	15690.03	49.33	-7.79	41.54	54.00	-12.46	AV

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

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	4434.19	70.30	-20.73	49.57	68.20	-18.63	PK
Vertical	4434.19	59.16	-20.73	38.43	54.00	-15.57	AV
Vertical	10420.12	64.24	-9.27	54.97	68.20	-13.23	PK
Vertical	10420.12	49.49	-9.27	40.22	54.00	-13.78	AV
Vertical	15630.14	64.66	-7.81	56.85	74.00	-17.15	PK
Vertical	15630.14	49.54	-7.81	41.73	54.00	-12.27	AV
Horizontal	4434.05	73.51	-20.73	52.77	68.20	-15.43	PK
Horizontal	4434.05	49.90	-20.73	29.16	54.00	-24.84	AV
Horizontal	10420.10	43.40	9.27	52.67	68.20	-15.53	PK
Horizontal	10420.10	29.58	9.27	38.85	54.00	-15.15	AV
Horizontal	15630.05	60.50	-7.81	52.69	74.00	-21.31	PK
Horizontal	15630.05	49.44	-7.81	41.63	54.00	-12.37	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	4434.06	71.33	-20.73	50.60	68.20	-17.60	PK
Vertical	4434.06	59.74	-20.73	39.01	54.00	-14.99	AV
Vertical	10360.02	63.76	-9.36	54.40	68.20	-13.80	PK
Vertical	10360.02	49.04	-9.36	39.68	54.00	-14.32	AV
Vertical	15540.08	60.68	-7.84	52.84	74.00	-21.16	PK
Vertical	15540.08	49.12	-7.84	41.28	54.00	-12.72	AV
Horizontal	4434.14	70.62	-20.73	49.89	68.20	-18.31	PK
Horizontal	4434.14	59.10	-20.73	38.37	54.00	-15.63	AV
Horizontal	10360.12	61.96	-9.36	52.60	68.20	-15.60	PK
Horizontal	10360.12	49.82	-9.36	40.46	54.00	-13.54	AV
Horizontal	15540.04	62.06	-7.84	54.22	74.00	-19.78	PK
Horizontal	15540.04	49.80	-7.84	41.96	54.00	-12.04	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.03	73.21	-20.42	52.80	74.00	-21.20	PK
Vertical	4592.03	59.33	-20.42	38.92	54.00	-15.08	AV
Vertical	10400.00	63.77	-9.30	54.47	68.20	-13.73	PK
Vertical	10400.00	49.81	-9.30	40.51	54.00	-13.49	AV
Vertical	15600.15	63.85	-7.82	56.03	74.00	-17.97	PK
Vertical	15600.15	49.77	-7.82	41.95	54.00	-12.05	AV
Horizontal	4592.10	72.23	-20.42	51.81	74.00	-22.19	PK
Horizontal	4592.10	59.77	-20.42	39.36	54.00	-14.64	AV
Horizontal	10400.15	61.59	-9.30	52.29	68.20	-15.91	PK
Horizontal	10400.15	49.60	-9.30	40.30	54.00	-13.70	AV
Horizontal	15600.13	61.13	-7.82	53.31	74.00	-20.69	PK
Horizontal	15600.13	49.31	-7.82	41.49	54.00	-12.51	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.14	70.52	-20.12	50.40	74.00	-23.60	PK
Vertical	4739.14	59.51	-20.12	39.39	54.00	-14.61	AV
Vertical	10480.15	63.78	-9.18	54.60	68.20	-13.60	PK
Vertical	10480.15	49.91	-9.18	40.73	54.00	-13.27	AV
Vertical	15720.03	64.61	-7.78	56.83	74.00	-17.17	PK
Vertical	15720.03	49.22	-7.78	41.44	54.00	-12.56	AV
Horizontal	4739.14	72.91	-20.12	52.79	74.00	-21.21	PK
Horizontal	4739.14	59.02	-20.12	38.90	54.00	-15.10	AV
Horizontal	10480.10	62.92	-9.18	53.74	68.20	-14.46	PK
Horizontal	10480.10	49.30	-9.18	40.12	54.00	-13.88	AV
Horizontal	15720.05	61.08	-7.78	53.30	74.00	-20.70	PK
Horizontal	15720.05	49.44	-7.78	41.66	54.00	-12.34	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode 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	4434.12	71.75	-20.73	51.02	68.20	-17.18	PK
Vertical	4434.12	59.20	-20.73	38.47	54.00	-15.53	AV
Vertical	10380.09	64.58	-9.33	55.25	68.20	-12.95	PK
Vertical	10380.09	49.38	-9.33	40.05	54.00	-13.95	AV
Vertical	15570.11	62.48	-7.83	54.65	74.00	-19.35	PK
Vertical	15570.11	49.65	-7.83	41.82	54.00	-12.18	AV
Horizontal	4434.13	74.48	-20.73	53.75	74.00	-20.25	PK
Horizontal	4434.13	59.31	-20.73	38.58	54.00	-15.42	AV
Horizontal	10380.14	60.84	-9.33	51.51	68.20	-16.69	PK
Horizontal	10380.14	49.78	-9.33	40.45	54.00	-13.55	AV
Horizontal	15570.11	63.24	-7.83	55.41	74.00	-18.59	PK
Horizontal	15570.11	49.44	-7.83	41.61	54.00	-12.39	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.05	70.52	-20.12	50.40	68.20	-17.80	PK
Vertical	4739.05	59.58	-20.12	39.46	54.00	-14.54	AV
Vertical	10460.01	60.34	-9.21	51.13	68.20	-17.07	PK
Vertical	10460.01	49.77	-9.21	40.56	54.00	-13.44	AV
Vertical	15690.19	64.19	-7.79	56.40	74.00	-17.60	PK
Vertical	15690.19	49.71	-7.79	41.92	54.00	-12.08	AV
Horizontal	4739.17	72.99	-20.12	52.87	68.20	-15.33	PK
Horizontal	4739.17	59.24	-20.12	39.12	54.00	-14.88	AV
Horizontal	10460.01	60.21	-9.21	51.00	68.20	-17.20	PK
Horizontal	10460.01	49.16	-9.21	39.95	54.00	-14.05	AV
Horizontal	15690.01	64.26	-7.79	56.47	74.00	-17.53	PK
Horizontal	15690.01	49.25	-7.79	41.46	54.00	-12.54	AV

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

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	4434.16	74.49	-20.73	53.76	68.20	-14.44	PK
Vertical	4434.16	59.18	-20.73	38.45	54.00	-15.55	AV
Vertical	10420.00	63.14	-9.27	53.87	68.20	-14.33	PK
Vertical	10420.00	49.20	-9.27	39.93	54.00	-14.07	AV
Vertical	15630.01	60.95	-7.81	53.14	74.00	-20.86	PK
Vertical	15630.01	49.26	-7.81	41.45	54.00	-12.55	AV
Horizontal	4434.20	72.25	-20.73	51.52	68.20	-16.68	PK
Horizontal	4434.20	49.54	-20.73	28.81	54.00	-25.19	AV
Horizontal	10420.14	40.60	9.27	49.87	68.20	-18.33	PK
Horizontal	10420.14	29.21	9.27	38.48	54.00	-15.52	AV
Horizontal	15630.08	61.76	-7.81	53.95	74.00	-20.05	PK
Horizontal	15630.08	49.38	-7.81	41.57	54.00	-12.43	AV

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

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	4679.03	70.30	-20.24	50.06	74.00	-23.94	PK
Vertical	4679.03	59.49	-20.24	39.25	54.00	-14.75	AV
Vertical	11490.03	61.09	-8.79	52.30	68.20	-15.90	PK
Vertical	11490.03	49.20	-8.79	40.41	54.00	-13.59	AV
Vertical	17235.19	55.61	-3.18	52.43	68.20	-15.77	PK
Vertical	17235.19	44.30	-3.18	41.12	54.00	-12.88	AV
Horizontal	4679.00	70.93	-20.73	50.20	74.00	-23.80	PK
Horizontal	4679.00	59.24	-20.73	38.51	54.00	-15.49	AV
Horizontal	11490.10	63.91	-8.79	55.12	68.20	-13.08	PK
Horizontal	11490.10	49.72	-8.79	40.93	54.00	-13.07	AV
Horizontal	17235.00	55.21	-3.18	52.03	68.20	-16.17	PK
Horizontal	17235.00	44.10	-3.18	40.92	54.00	-13.08	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.07	72.63	-20.42	52.21	74.00	-21.79	PK
Vertical	4592.07	59.09	-20.42	38.68	54.00	-15.32	AV
Vertical	11570.02	60.48	-8.86	51.62	68.20	-16.58	PK
Vertical	11570.02	49.72	-8.86	40.86	54.00	-13.14	AV
Vertical	17355.16	59.34	-2.52	56.82	68.20	-11.38	PK
Vertical	17355.16	44.75	-2.52	42.23	54.00	-11.77	AV
Horizontal	4592.06	74.54	-20.42	54.13	74.00	-19.87	PK
Horizontal	4592.06	59.78	-20.42	39.37	54.00	-14.63	AV
Horizontal	11570.18	61.10	-8.86	52.24	68.20	-15.96	PK
Horizontal	11570.18	49.68	-8.86	40.82	54.00	-13.18	AV
Horizontal	17355.16	57.62	-2.52	55.10	68.20	-13.10	PK
Horizontal	17355.16	44.85	-2.52	42.33	54.00	-11.67	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.15	70.31	-18.93	51.38	68.20	-16.82	PK
Vertical	6039.15	59.07	-18.93	40.14	54.00	-13.86	AV
Vertical	11650.10	61.01	-8.92	52.09	74.00	-21.91	PK
Vertical	11650.10	49.74	-8.92	40.82	54.00	-13.18	AV
Vertical	17475.09	58.97	-1.86	57.11	68.20	-11.09	PK
Vertical	17475.09	44.54	-1.86	42.68	54.00	-11.32	AV
Horizontal	6039.09	73.33	-18.93	54.40	68.20	-13.80	PK
Horizontal	6039.09	59.97	-18.93	41.04	54.00	-12.96	AV
Horizontal	11650.03	61.87	-8.92	52.95	74.00	-21.05	PK
Horizontal	11650.03	49.06	-8.92	40.14	54.00	-13.86	AV
Horizontal	17475.11	57.86	-1.86	56.00	68.20	-12.20	PK
Horizontal	17475.11	44.07	-1.86	42.21	54.00	-11.79	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	4679.20	72.51	-20.24	52.27	74.00	-21.73	PK
Vertical	4679.20	59.13	-20.24	38.88	54.00	-15.12	AV
Vertical	11490.15	61.08	-8.79	52.29	68.20	-15.91	PK
Vertical	11490.15	49.14	-8.79	40.35	54.00	-13.65	AV
Vertical	17235.00	55.83	-3.18	52.65	68.20	-15.55	PK
Vertical	17235.00	44.69	-3.18	41.51	54.00	-12.49	AV
Horizontal	4679.05	73.65	-20.24	53.41	74.00	-20.59	PK
Horizontal	4679.05	59.42	-20.24	39.17	54.00	-14.83	AV
Horizontal	11490.08	64.40	-8.79	55.61	68.20	-12.59	PK
Horizontal	11490.08	49.85	-8.79	41.06	54.00	-12.94	AV
Horizontal	17235.14	56.96	-3.18	53.78	68.20	-14.42	PK
Horizontal	17235.14	44.08	-3.18	40.90	54.00	-13.10	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.10	70.87	-20.42	50.46	74.00	-23.54	PK
Vertical	4592.10	59.93	-20.42	39.52	54.00	-14.48	AV
Vertical	11570.14	61.87	-8.86	53.01	68.20	-15.19	PK
Vertical	11570.14	49.54	-8.86	40.68	54.00	-13.32	AV
Vertical	17355.15	55.07	-2.52	52.55	68.20	-15.65	PK
Vertical	17355.15	44.84	-2.52	42.32	54.00	-11.68	AV
Horizontal	4592.17	74.66	-20.42	54.24	74.00	-19.76	PK
Horizontal	4592.17	59.71	-20.42	39.29	54.00	-14.71	AV
Horizontal	11570.17	64.54	-8.86	55.68	68.20	-12.52	PK
Horizontal	11570.17	49.72	-8.86	40.86	54.00	-13.14	AV
Horizontal	17355.07	58.97	-2.52	56.45	68.20	-11.75	PK
Horizontal	17355.07	44.59	-2.52	42.07	54.00	-11.93	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.01	71.95	-18.93	53.02	68.20	-15.18	PK
Vertical	6039.01	59.76	-18.93	40.83	54.00	-13.17	AV
Vertical	11650.11	62.40	-8.92	53.48	74.00	-20.52	PK
Vertical	11650.11	49.75	-8.92	40.83	54.00	-13.17	AV
Vertical	17475.15	56.99	-1.86	55.13	68.20	-13.07	PK
Vertical	17475.15	44.81	-1.86	42.95	54.00	-11.05	AV
Horizontal	6039.19	71.65	-18.93	52.72	68.20	-15.48	PK
Horizontal	6039.19	59.16	-18.93	40.23	54.00	-13.77	AV
Horizontal	11650.12	64.78	-8.92	55.86	74.00	-18.14	PK
Horizontal	11650.12	49.20	-8.92	40.28	54.00	-13.72	AV
Horizontal	17475.16	56.69	-1.86	54.83	68.20	-13.37	PK
Horizontal	17475.16	44.43	-1.86	42.57	54.00	-11.43	AV

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

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	4679.14	74.96	-20.24	54.72	74.00	-19.28	PK
Vertical	4679.14	59.72	-20.24	39.48	54.00	-14.52	AV
Vertical	11510.14	63.96	-8.81	55.15	74.00	-18.85	PK
Vertical	11510.14	49.37	-8.81	40.56	54.00	-13.44	AV
Vertical	17265.16	57.63	-3.01	54.62	68.20	-13.58	PK
Vertical	17265.16	44.74	-3.01	41.73	54.00	-12.27	AV
Horizontal	4679.06	71.27	-20.24	51.03	74.00	-22.97	PK
Horizontal	4679.06	59.77	-20.24	39.53	54.00	-14.47	AV
Horizontal	11510.14	61.64	-8.81	52.83	74.00	-21.17	PK
Horizontal	11510.14	49.57	-8.81	40.76	54.00	-13.24	AV
Horizontal	17265.19	57.41	-3.01	54.40	68.20	-13.80	PK
Horizontal	17265.19	44.42	-3.01	41.41	54.00	-12.59	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.19	71.58	-18.93	52.65	68.20	-15.55	PK
Vertical	6039.19	59.68	-18.93	40.75	54.00	-13.25	AV
Vertical	11590.12	63.20	-8.87	54.33	74.00	-19.67	PK
Vertical	11590.12	49.99	-8.87	41.12	54.00	-12.88	AV
Vertical	17385.06	56.95	-2.35	54.60	68.20	-13.60	PK
Vertical	17385.06	44.33	-2.35	41.98	54.00	-12.02	AV
Horizontal	6039.09	74.18	-18.93	55.25	68.20	-12.95	PK
Horizontal	6039.09	59.68	-18.93	40.75	54.00	-13.25	AV
Horizontal	11590.11	64.84	-8.87	55.97	74.00	-18.03	PK
Horizontal	11590.11	49.37	-8.87	40.50	54.00	-13.50	AV
Horizontal	17385.16	58.82	-2.35	56.47	68.20	-11.73	PK
Horizontal	17385.16	44.10	-2.35	41.75	54.00	-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.

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	4679.03	70.70	-20.24	50.45	74.00	-23.55	PK
Vertical	4679.03	59.32	-20.24	39.08	54.00	-14.92	AV
Vertical	11490.17	61.55	-8.79	52.76	68.20	-15.44	PK
Vertical	11490.17	49.40	-8.79	40.61	54.00	-13.39	AV
Vertical	17235.07	55.11	-3.18	51.93	68.20	-16.27	PK
Vertical	17235.07	44.05	-3.18	40.87	54.00	-13.13	AV
Horizontal	4679.14	71.39	-20.24	51.15	74.00	-22.85	PK
Horizontal	4679.14	59.43	-20.24	39.19	54.00	-14.81	AV
Horizontal	11490.03	61.34	-8.79	52.55	68.20	-15.65	PK
Horizontal	11490.03	49.63	-8.79	40.84	54.00	-13.16	AV
Horizontal	17235.06	56.60	-3.18	53.42	68.20	-14.78	PK
Horizontal	17235.06	44.15	-3.18	40.97	54.00	-13.03	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.20	73.93	-20.42	53.51	74.00	-20.49	PK
Vertical	4592.20	59.34	-20.42	38.92	54.00	-15.08	AV
Vertical	11570.10	63.69	-8.86	54.83	68.20	-13.37	PK
Vertical	11570.10	49.70	-8.86	40.84	54.00	-13.16	AV
Vertical	17355.05	58.40	-2.52	55.88	68.20	-12.32	PK
Vertical	17355.05	44.36	-2.52	41.84	54.00	-12.16	AV
Horizontal	4592.12	73.38	-20.42	52.96	74.00	-21.04	PK
Horizontal	4592.12	59.85	-20.42	39.44	54.00	-14.56	AV
Horizontal	11570.12	60.19	-8.86	51.33	68.20	-16.87	PK
Horizontal	11570.12	49.88	-8.86	41.02	54.00	-12.98	AV
Horizontal	17355.00	57.71	-2.52	55.19	68.20	-13.01	PK
Horizontal	17355.00	44.52	-2.52	42.00	54.00	-12.00	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.06	70.21	-18.93	51.28	68.20	-16.92	PK
Vertical	6039.06	59.10	-18.93	40.17	54.00	-13.83	AV
Vertical	11650.17	60.07	-8.92	51.15	74.00	-22.85	PK
Vertical	11650.17	49.78	-8.92	40.86	54.00	-13.14	AV
Vertical	17475.00	58.53	-1.86	56.67	68.20	-11.53	PK
Vertical	17475.00	44.10	-1.86	42.24	54.00	-11.76	AV
Horizontal	6039.13	71.97	-18.93	53.04	68.20	-15.16	PK
Horizontal	6039.13	59.86	-18.93	40.93	54.00	-13.07	AV
Horizontal	11650.10	61.61	-8.92	52.69	74.00	-21.31	PK
Horizontal	11650.10	49.66	-8.92	40.74	54.00	-13.26	AV
Horizontal	17475.01	56.01	-1.86	54.15	68.20	-14.05	PK
Horizontal	17475.01	44.30	-1.86	42.44	54.00	-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) -- 802.11ac-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	4679.02	71.46	-20.24	51.22	74.00	-22.78	PK
Vertical	4679.02	59.19	-20.24	38.94	54.00	-15.06	AV
Vertical	11510.01	60.72	-8.81	51.91	74.00	-22.09	PK
Vertical	11510.01	49.15	-8.81	40.34	54.00	-13.66	AV
Vertical	17265.05	58.08	-3.01	55.07	68.20	-13.13	PK
Vertical	17265.05	44.69	-3.01	41.68	54.00	-12.32	AV
Horizontal	4679.18	74.38	-20.24	54.14	74.00	-19.86	PK
Horizontal	4679.18	59.74	-20.24	39.50	54.00	-14.50	AV
Horizontal	11510.19	64.05	-8.81	55.24	74.00	-18.76	PK
Horizontal	11510.19	49.35	-8.81	40.54	54.00	-13.46	AV
Horizontal	17265.17	56.26	-3.01	53.25	68.20	-14.95	PK
Horizontal	17265.17	44.60	-3.01	41.59	54.00	-12.41	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.08	74.74	-18.93	55.81	68.20	-12.39	PK
Vertical	6039.08	59.63	-18.93	40.70	54.00	-13.30	AV
Vertical	11590.04	60.02	-8.87	51.15	74.00	-22.85	PK
Vertical	11590.04	49.69	-8.87	40.82	54.00	-13.18	AV
Vertical	17385.14	56.43	-2.35	54.08	68.20	-14.12	PK
Vertical	17385.14	44.06	-2.35	41.71	54.00	-12.29	AV
Horizontal	6039.00	70.36	-18.93	51.43	68.20	-16.77	PK
Horizontal	6039.00	59.05	-18.93	40.12	54.00	-13.88	AV
Horizontal	11590.04	61.74	-8.87	52.87	74.00	-21.13	PK
Horizontal	11590.04	49.91	-8.87	41.04	54.00	-12.96	AV
Horizontal	17385.12	59.34	-2.35	56.99	68.20	-11.21	PK
Horizontal	17385.12	44.69	-2.35	42.34	54.00	-11.66	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode 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	4679.19	73.40	-20.24	53.16	74.00	-20.84	PK
Vertical	4679.19	59.86	-20.24	39.62	54.00	-14.38	AV
Vertical	11550.18	63.83	-8.84	54.99	74.00	-19.01	PK
Vertical	11550.18	49.40	-8.84	40.56	54.00	-13.44	AV
Vertical	17325.04	58.81	-2.68	56.13	68.20	-12.07	PK
Vertical	17325.04	44.33	-2.68	41.65	54.00	-12.35	AV
Horizontal	4679.11	71.74	-20.24	51.50	74.00	-22.50	PK
Horizontal	4679.11	59.84	-20.24	39.60	54.00	-14.40	AV
Horizontal	11550.17	63.13	-8.84	54.29	74.00	-19.71	PK
Horizontal	11550.17	49.70	-8.84	40.86	54.00	-13.14	AV
Horizontal	17325.09	56.09	-2.68	53.41	68.20	-14.79	PK
Horizontal	17325.09	44.84	-2.68	42.16	54.00	-11.84	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	4679.05	71.13	-20.24	50.88	74.00	-23.12	PK
Vertical	4679.05	59.19	-20.24	38.94	54.00	-15.06	AV
Vertical	11490.07	63.97	-8.79	55.18	68.20	-13.02	PK
Vertical	11490.07	49.09	-8.79	40.30	54.00	-13.70	AV
Vertical	17235.11	59.28	-3.18	56.10	68.20	-12.10	PK
Vertical	17235.11	44.46	-3.18	41.28	54.00	-12.72	AV
Horizontal	4679.18	73.63	-20.24	53.39	74.00	-20.61	PK
Horizontal	4679.18	59.96	-20.24	39.72	54.00	-14.28	AV
Horizontal	11490.05	61.46	-8.79	52.67	68.20	-15.53	PK
Horizontal	11490.05	49.20	-8.79	40.41	54.00	-13.59	AV
Horizontal	17235.16	57.38	-3.18	54.20	68.20	-14.00	PK
Horizontal	17235.16	44.39	-3.18	41.21	54.00	-12.79	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.15	74.68	-20.42	54.26	74.00	-19.74	PK
Vertical	4592.15	59.02	-20.42	38.60	54.00	-15.40	AV
Vertical	11570.11	63.81	-8.86	54.95	68.20	-13.25	PK
Vertical	11570.11	49.93	-8.86	41.07	54.00	-12.93	AV
Vertical	17355.14	57.51	-2.52	54.99	68.20	-13.21	PK
Vertical	17355.14	44.05	-2.52	41.53	54.00	-12.47	AV
Horizontal	4592.16	73.93	-20.42	53.51	74.00	-20.49	PK
Horizontal	4592.16	59.12	-20.42	38.71	54.00	-15.29	AV
Horizontal	11570.15	63.04	-8.86	54.18	68.20	-14.02	PK
Horizontal	11570.15	49.70	-8.86	40.84	54.00	-13.16	AV
Horizontal	17355.05	59.53	-2.52	57.01	68.20	-11.19	PK
Horizontal	17355.05	44.80	-2.52	42.28	54.00	-11.72	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.09	73.01	-18.93	54.07	68.20	-14.13	PK
Vertical	6039.09	59.63	-18.93	40.70	54.00	-13.30	AV
Vertical	11650.00	62.93	-8.92	54.01	74.00	-19.99	PK
Vertical	11650.00	49.57	-8.92	40.65	54.00	-13.35	AV
Vertical	17475.09	55.56	-1.86	53.70	68.20	-14.50	PK
Vertical	17475.09	44.30	-1.86	42.44	54.00	-11.56	AV
Horizontal	6039.10	73.00	-18.93	54.07	68.20	-14.13	PK
Horizontal	6039.10	59.65	-18.93	40.72	54.00	-13.28	AV
Horizontal	11650.07	62.17	-8.92	53.25	74.00	-20.75	PK
Horizontal	11650.07	49.33	-8.92	40.41	54.00	-13.59	AV
Horizontal	17475.13	58.81	-1.86	56.95	68.20	-11.25	PK
Horizontal	17475.13	44.17	-1.86	42.31	54.00	-11.69	AV

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

Test Mode :	TX (5.8G) -- 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 (5755 MHz)-Above 1G							
Vertical	4679.05	72.06	-20.24	51.82	74.00	-22.18	PK
Vertical	4679.05	59.38	-20.24	39.14	54.00	-14.86	AV
Vertical	11510.18	60.80	-8.81	51.99	74.00	-22.01	PK
Vertical	11510.18	49.03	-8.81	40.22	54.00	-13.78	AV
Vertical	17265.13	56.57	-3.01	53.56	68.20	-14.64	PK
Vertical	17265.13	44.11	-3.01	41.10	54.00	-12.90	AV
Horizontal	4679.07	73.93	-20.24	53.69	74.00	-20.31	PK
Horizontal	4679.07	59.62	-20.24	39.38	54.00	-14.62	AV
Horizontal	11510.02	62.66	-8.81	53.85	74.00	-20.15	PK
Horizontal	11510.02	49.60	-8.81	40.79	54.00	-13.21	AV
Horizontal	17265.13	55.12	-3.01	52.11	68.20	-16.09	PK
Horizontal	17265.13	44.28	-3.01	41.27	54.00	-12.73	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.16	72.98	-18.93	54.05	68.20	-14.15	PK
Vertical	6039.16	59.86	-18.93	40.93	54.00	-13.07	AV
Vertical	11590.09	60.06	-8.87	51.19	74.00	-22.81	PK
Vertical	11590.09	49.85	-8.87	40.98	54.00	-13.02	AV
Vertical	17385.12	55.04	-2.35	52.69	68.20	-15.51	PK
Vertical	17385.12	44.15	-2.35	41.80	54.00	-12.20	AV
Horizontal	6039.01	74.67	-18.93	55.74	68.20	-12.46	PK
Horizontal	6039.01	59.99	-18.93	41.06	54.00	-12.94	AV
Horizontal	11590.08	64.75	-8.87	55.88	74.00	-18.12	PK
Horizontal	11590.08	49.99	-8.87	41.12	54.00	-12.88	AV
Horizontal	17385.06	59.92	-2.35	57.57	68.20	-10.63	PK
Horizontal	17385.06	44.64	-2.35	42.29	54.00	-11.71	AV

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

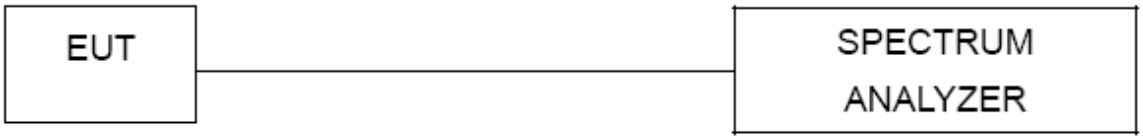
Test Mode :	TX (5.8G) -- 802.11ax 80

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 (5775 MHz)-Above 1G							
Vertical	4679.05	74.70	-20.24	54.46	74.00	-19.54	PK
Vertical	4679.05	59.72	-20.24	39.48	54.00	-14.52	AV
Vertical	11550.18	60.84	-8.84	52.00	74.00	-22.00	PK
Vertical	11550.18	49.62	-8.84	40.78	54.00	-13.22	AV
Vertical	17325.12	59.14	-2.68	56.46	68.20	-11.74	PK
Vertical	17325.12	44.92	-2.68	42.24	54.00	-11.76	AV
Horizontal	4679.17	73.11	-20.24	52.87	74.00	-21.13	PK
Horizontal	4679.17	59.64	-20.24	39.40	54.00	-14.60	AV
Horizontal	11550.17	63.57	-8.84	54.73	74.00	-19.27	PK
Horizontal	11550.17	49.43	-8.84	40.59	54.00	-13.41	AV
Horizontal	17325.05	57.82	-2.68	55.14	68.20	-13.06	PK
Horizontal	17325.05	44.93	-2.68	42.25	54.00	-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.

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)		

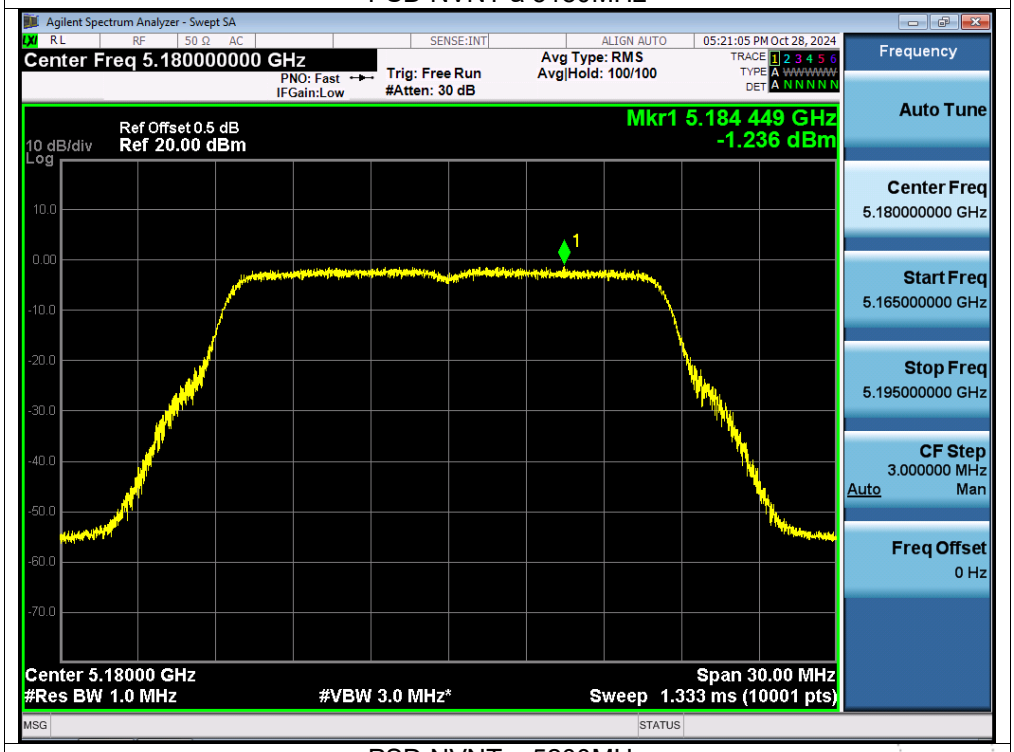
Condition	Mode	Frequency (MHz)	Measured Power Density (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5180	-3.14	**-1.24**	/	17	PASS
NVNT	a	5200	-3.05	-1.34	/	17	PASS
NVNT	a	5240	-2.91	-1.84	/	17	PASS
NVNT	n20	5180	-3.46	-3.58	-0.51	14.7	PASS
NVNT	n20	5200	-4.79	-3.35	-1.00	14.7	PASS
NVNT	n20	5240	-5.03	-3.87	-1.40	14.7	PASS
NVNT	n40	5190	-8.48	-8.47	-5.46	14.7	PASS
NVNT	n40	5230	-8.79	-9.45	-6.10	14.7	PASS
NVNT	ac20	5180	-4.5	-4.38	-1.43	14.7	PASS
NVNT	ac20	5200	-4.73	-5.07	-1.89	14.7	PASS
NVNT	ac20	5240	-5.44	-5.28	-2.35	14.7	PASS
NVNT	ac40	5190	-8.25	-8.23	-5.23	14.7	PASS
NVNT	ac40	5230	-9.3	-8.88	-6.07	14.7	PASS
NVNT	ac80	5210	-14.02	-14.52	-11.25	14.7	PASS
NVNT	ax20	5180	-4.55	-4.15	-1.34	14.7	PASS
NVNT	ax20	5200	-4.79	-4.65	-1.71	14.7	PASS
NVNT	ax20	5240	-5.59	-5.38	-2.47	14.7	PASS
NVNT	ax40	5190	-7.87	-8.27	-5.06	14.7	PASS
NVNT	ax40	5230	-8.53	-8.72	-5.61	14.7	PASS
NVNT	ax80	5210	-13.33	-14.44	-10.84	14.7	PASS

Note:
Antenna A gain: 5.29 dBi, Antenna B gain: 4.89 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =8.30 dbi>6dbi
Limit=17-(8.30-6)=14.70 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

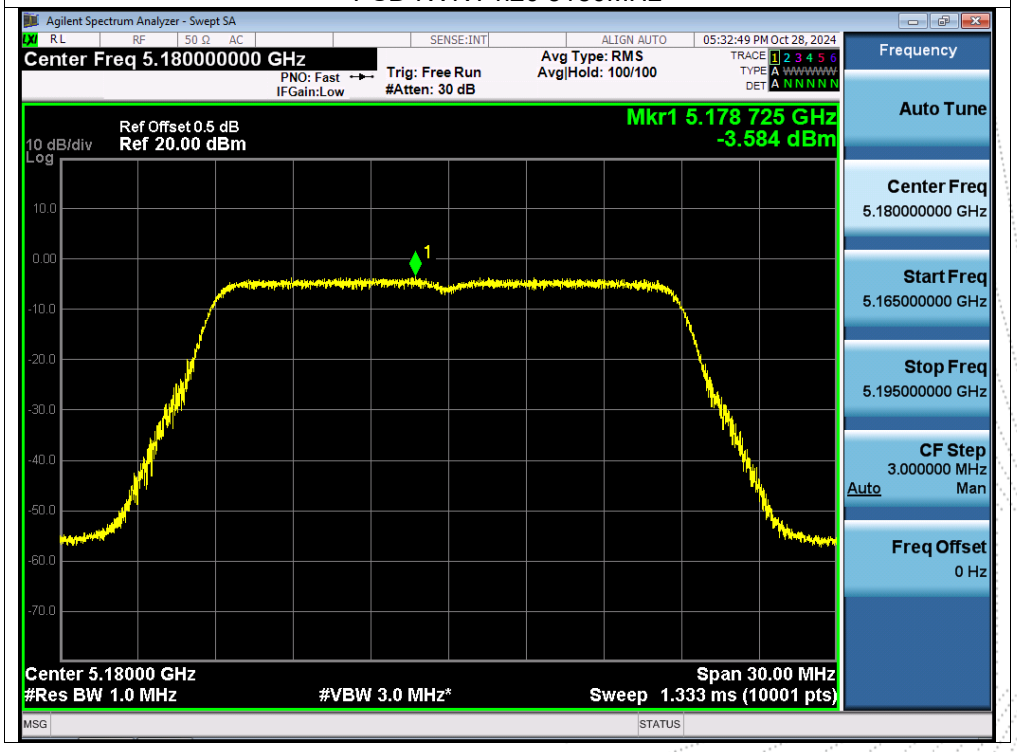
PSD NVNT a 5180MHz



PSD NVNT a 5200MHz

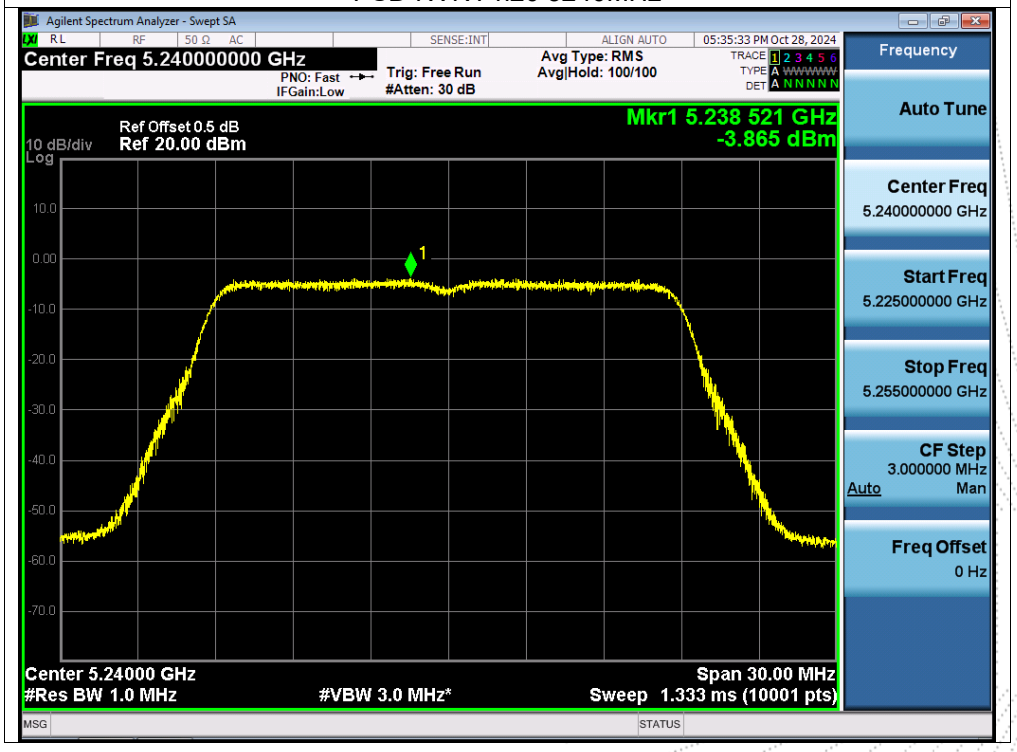
PSD NVNT a 5240MHz

PSD NVNT n20 5180MHz

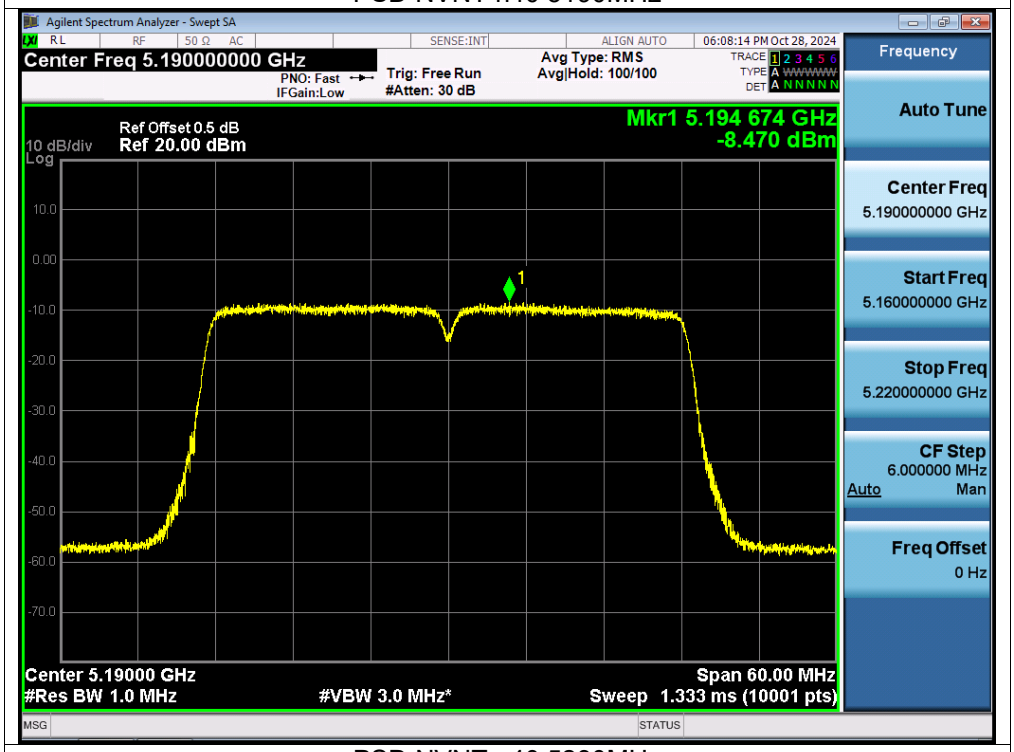


PSD NVNT n20 5200MHz

PSD NVNT n20 5240MHz

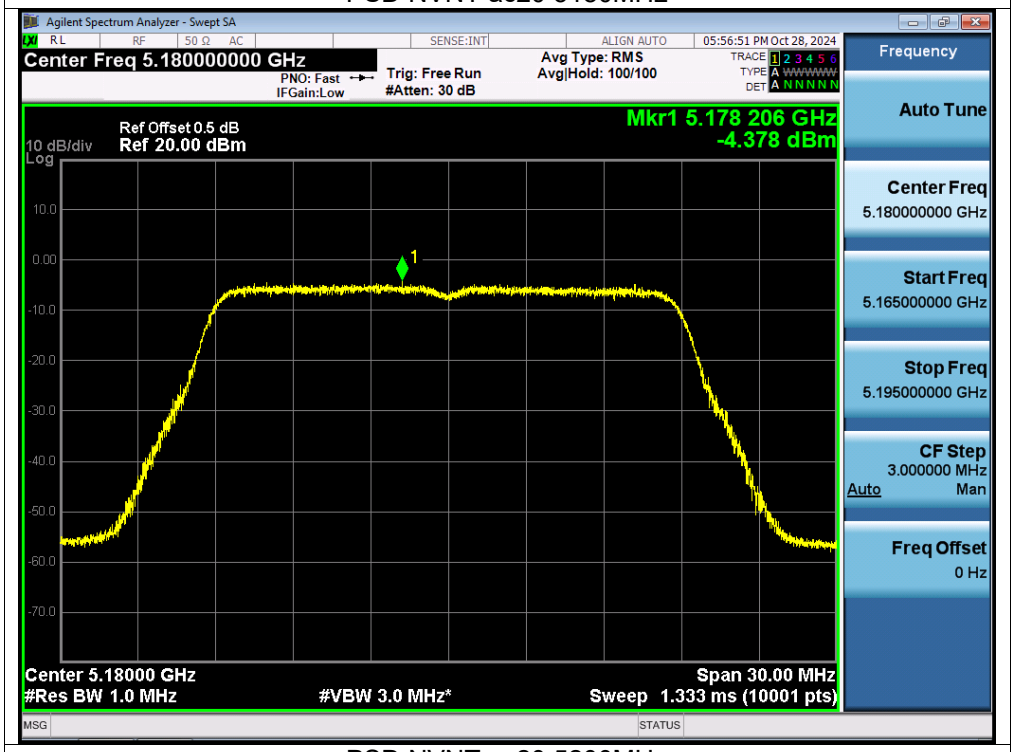


PSD NVNT n40 5190MHz

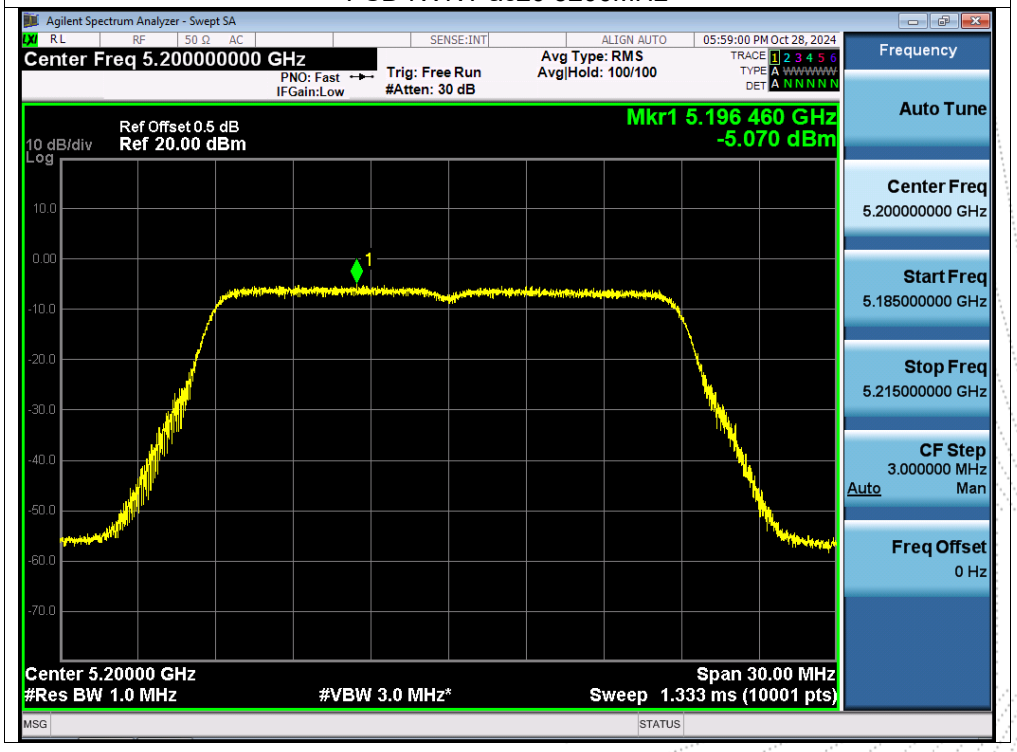


PSD NVNT n40 5230MHz

PSD NVNT ac20 5180MHz

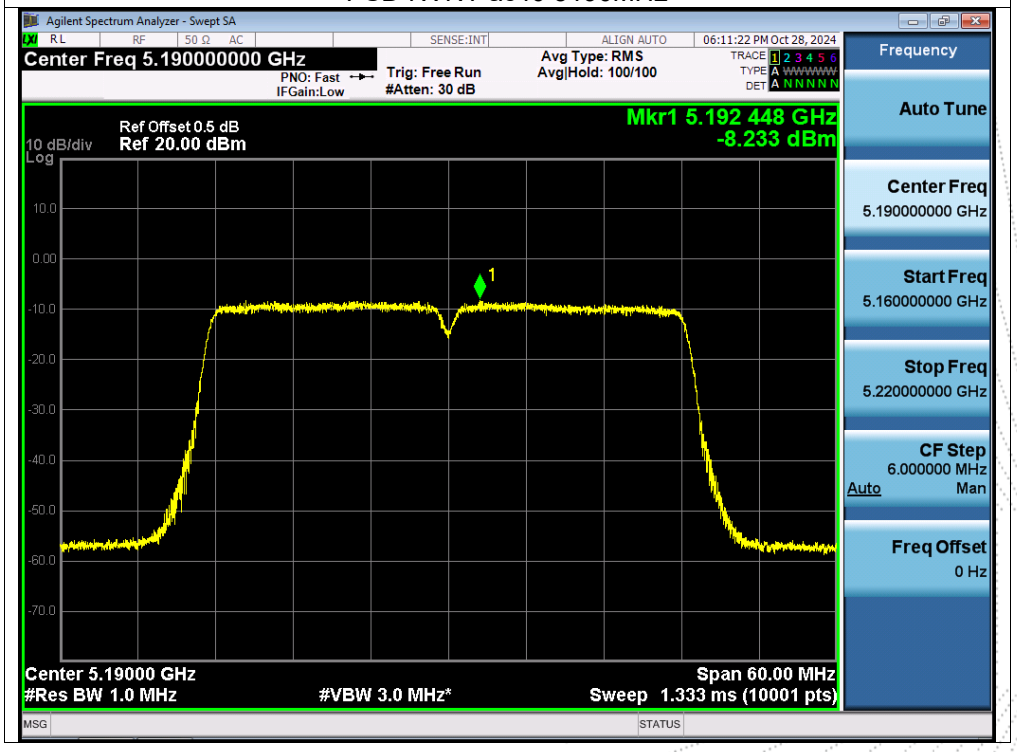


PSD NVNT ac20 5200MHz

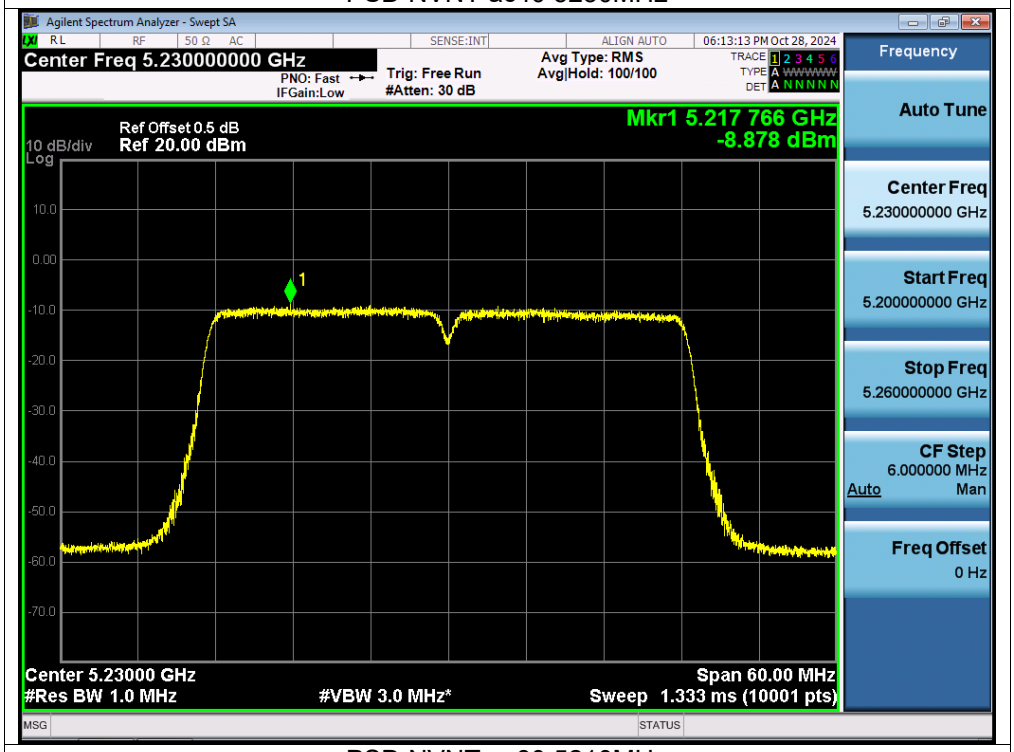


PSD NVNT ac20 5240MHz

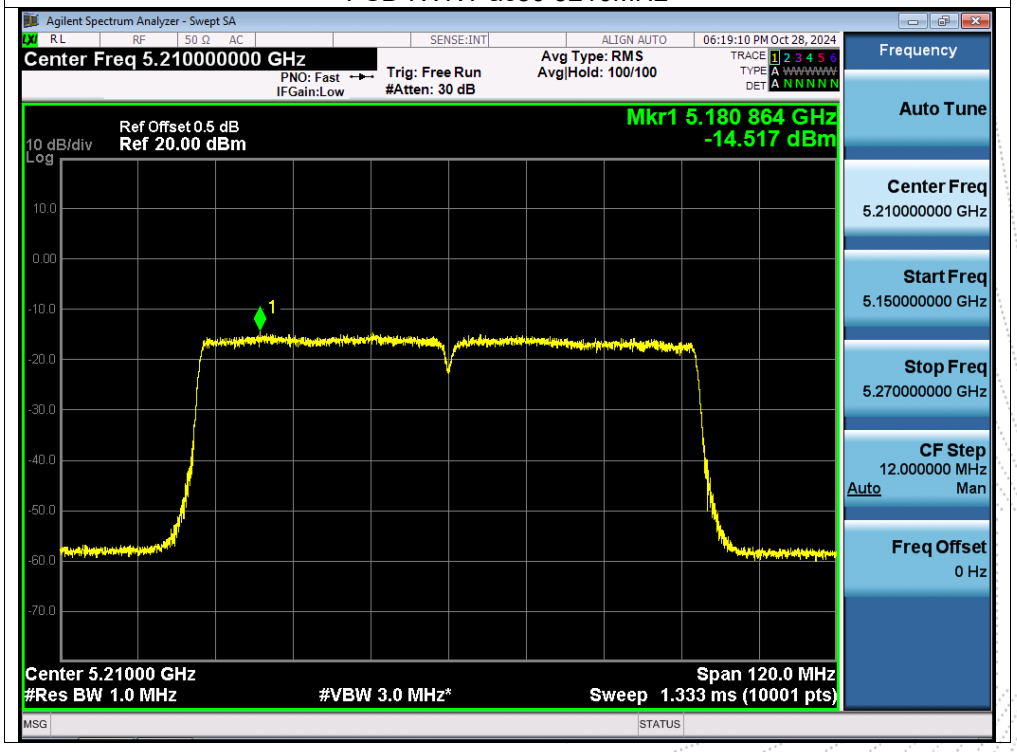
PSD NVNT ac40 5190MHz



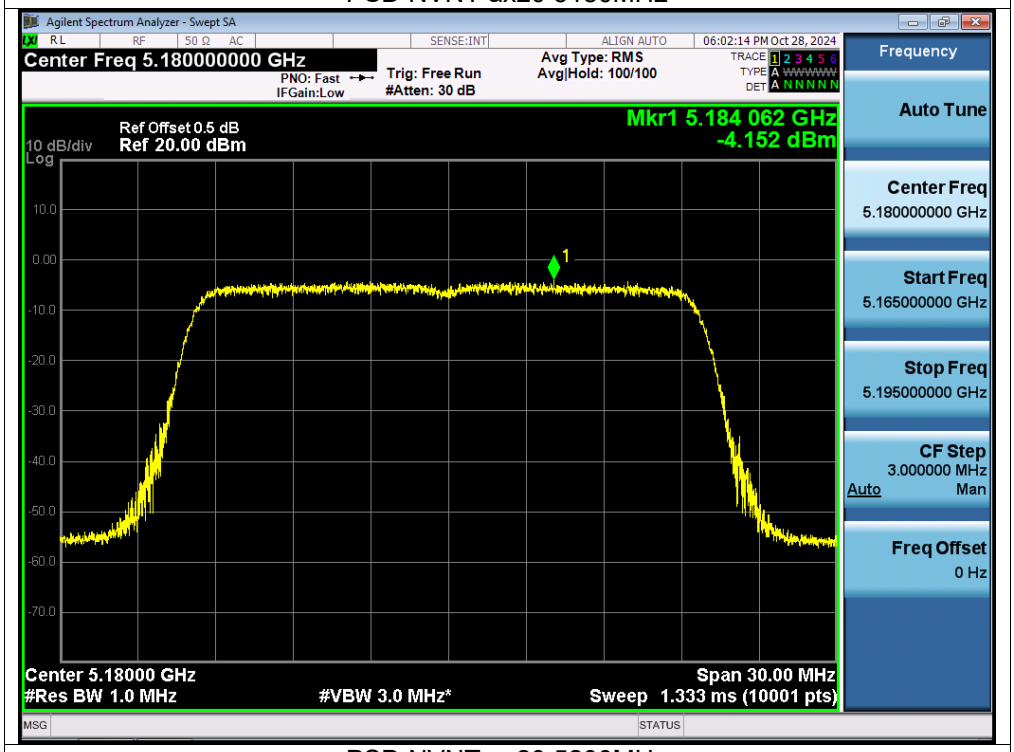
PSD NVNT ac40 5230MHz



PSD NVNT ac80 5210MHz

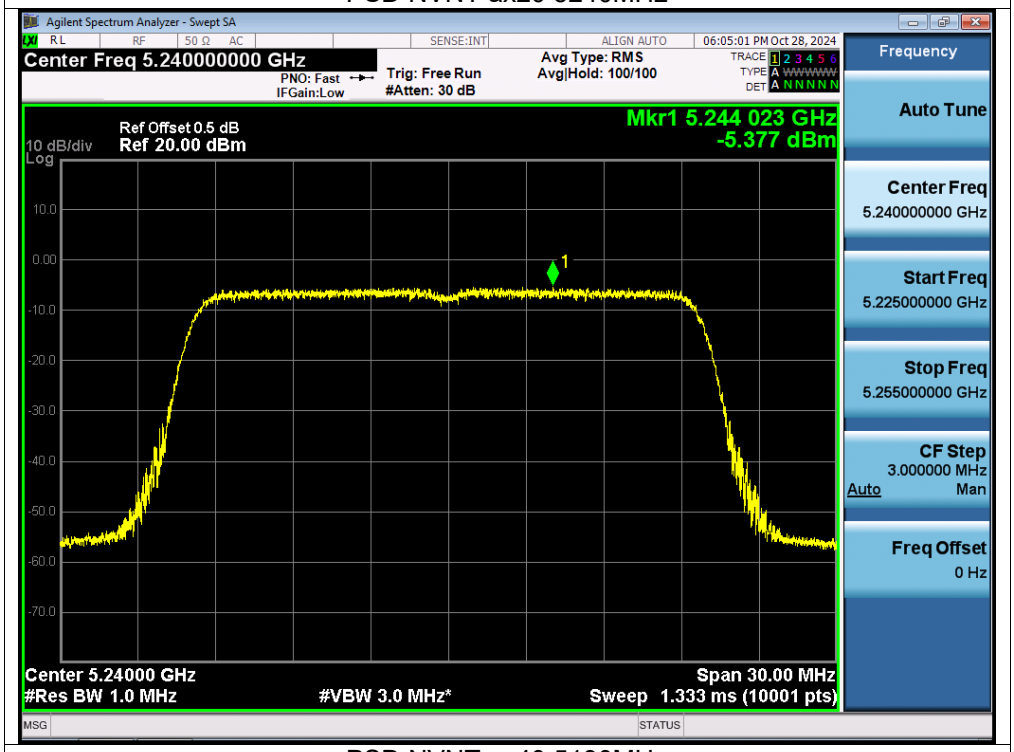


PSD NVNT ax20 5180MHz

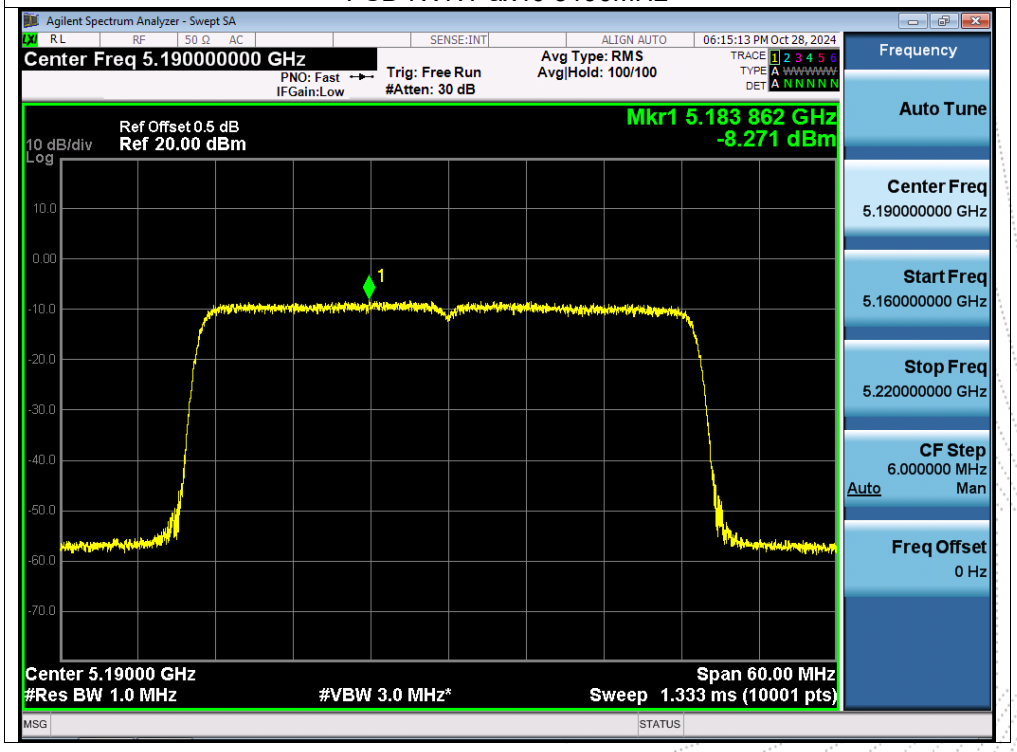


PSD NVNT ax20 5200MHz

PSD NVNT ax20 5240MHz

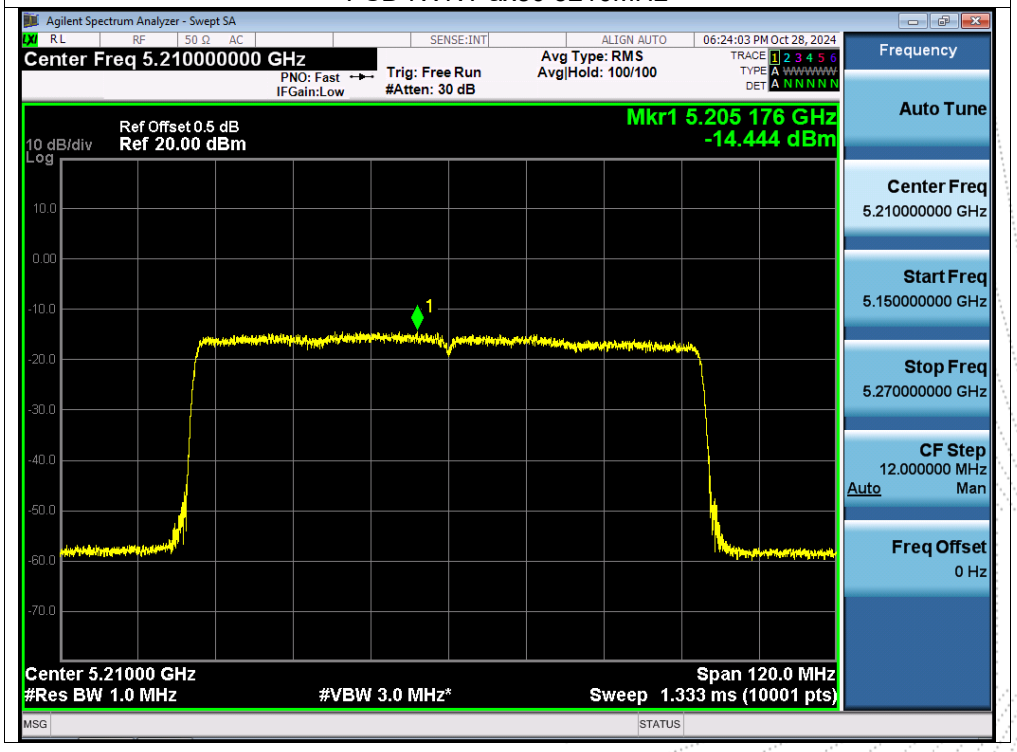


PSD NVNT ax40 5190MHz



PSD NVNT ax40 5230MHz

PSD NVNT ax80 5210MHz



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 12V
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	-5.63	**-5.61**	-5.716	-5.696	/	30	Pass
NVNT	a	5785	-7.02	-6.24	-7.106	-6.326	/	30	Pass
NVNT	a	5825	-8.14	-8.26	-8.226	-8.346	/	30	Pass
NVNT	n20	5745	-7.95	-6.99	-8.036	-7.076	-4.52	27.7	Pass
NVNT	n20	5785	-8.45	-8.14	-8.536	-8.226	-5.37	27.7	Pass
NVNT	n20	5825	-10.12	-9.71	-10.206	-9.796	-6.99	27.7	Pass
NVNT	n40	5755	-12.19	-12.16	-12.276	-12.246	-9.25	27.7	Pass
NVNT	n40	5795	-13.59	-13.36	-13.676	-13.446	-10.55	27.7	Pass
NVNT	ac20	5745	-7.84	-6.98	-7.926	-7.066	-4.46	27.7	Pass
NVNT	ac20	5785	-8.19	-8.18	-8.276	-8.266	-5.26	27.7	Pass
NVNT	ac20	5825	-10.04	-9.63	-10.126	-9.716	-6.91	27.7	Pass
NVNT	ac40	5755	-11.69	-11.43	-11.776	-11.516	-8.63	27.7	Pass
NVNT	ac40	5795	-13	-12.97	-13.086	-13.056	-10.06	27.7	Pass
NVNT	ac80	5775	-15.98	-16.48	-16.066	-16.566	-13.30	27.7	Pass
NVNT	ax20	5745	-7	-7.59	-7.086	-7.676	-4.36	27.7	Pass
NVNT	ax20	5785	-7.92	-8.4	-8.006	-8.486	-5.23	27.7	Pass
NVNT	ax20	5825	-10.12	-10.11	-10.206	-10.196	-7.19	27.7	Pass
NVNT	ax40	5755	-11.84	-11.72	-11.926	-11.806	-8.86	27.7	Pass
NVNT	ax40	5795	-12.98	-13.01	-13.066	-13.096	-10.07	27.7	Pass
NVNT	ax80	5775	-15.62	-16.05	-15.706	-16.136	-12.91	27.7	Pass
Note: Correction Factor = 10log(500KHz/RBW in measurement) =-0.086									

Note:
Antenna A gain: 5.29 dBi, Antenna B gain: 4.89 dBi, Directional gain=[GainANT + 10 log(NANT/NSS) dBi] =8.30 dbi>6dbi
Limit=30-(8.30-6)=27.70 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

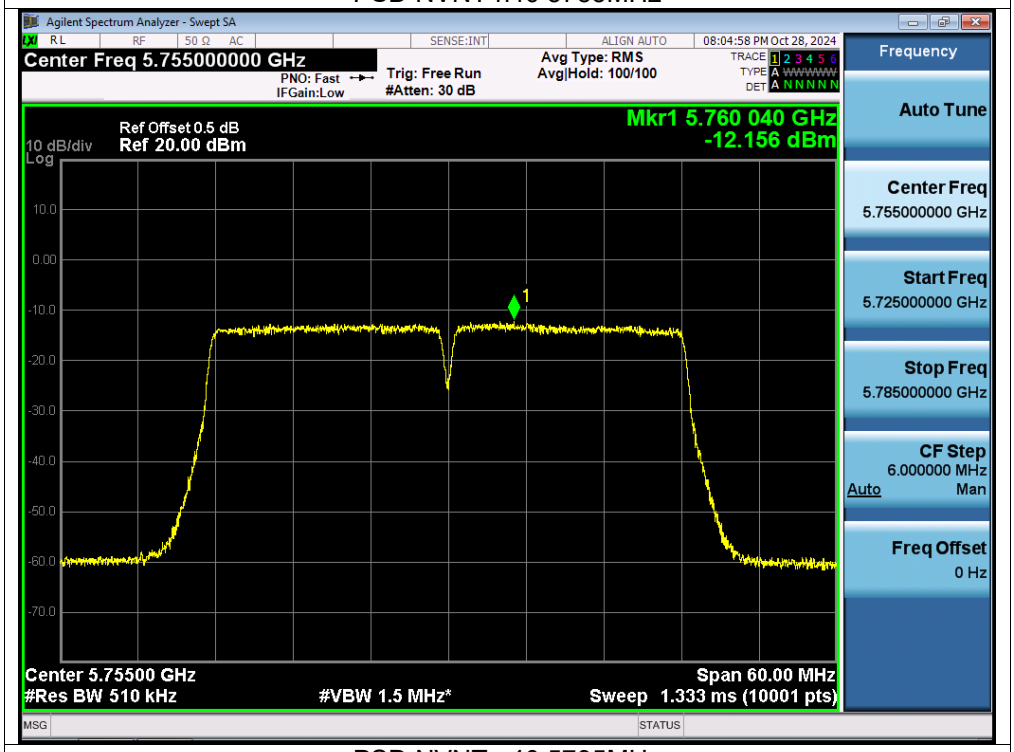
PSD NVNT a 5825MHz

PSD NVNT n20 5745MHz

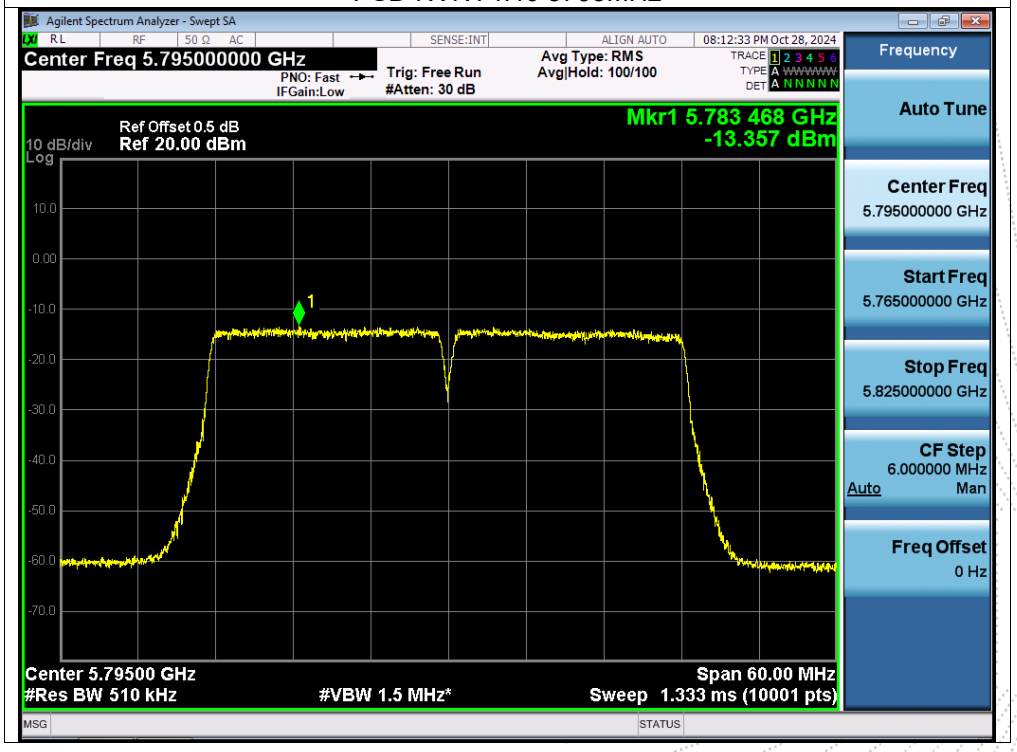
PSD NVNT n20 5785MHz

PSD NVNT n20 5825MHz

PSD NVNT n40 5755MHz



PSD NVNT n40 5795MHz

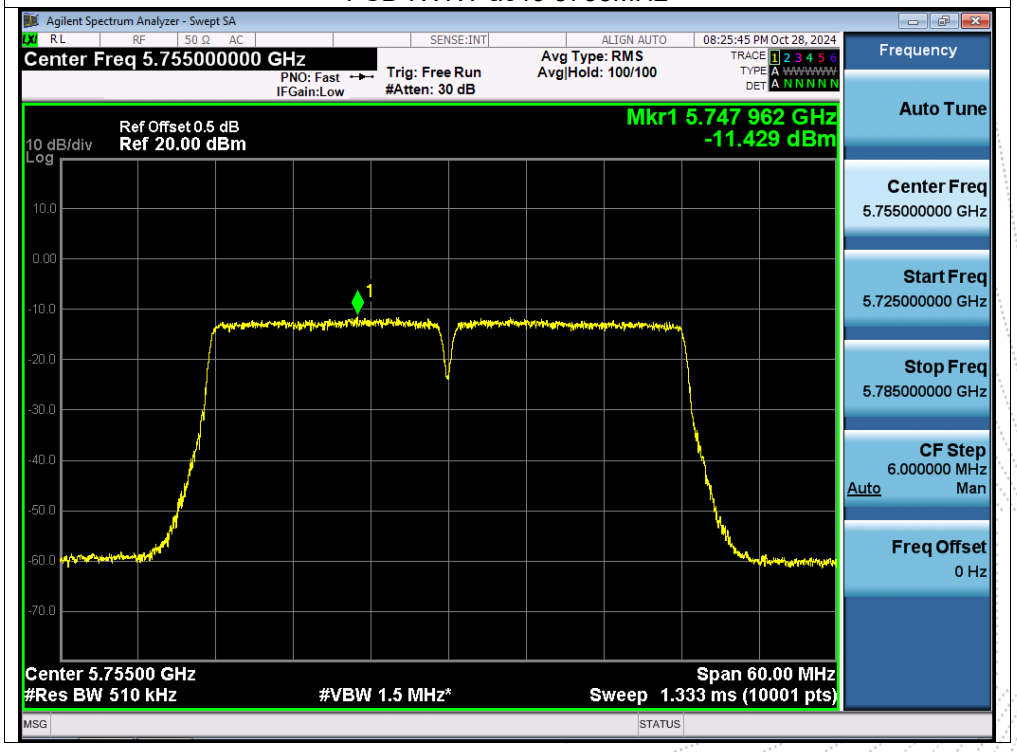


PSD NVNT ac20 5745MHz

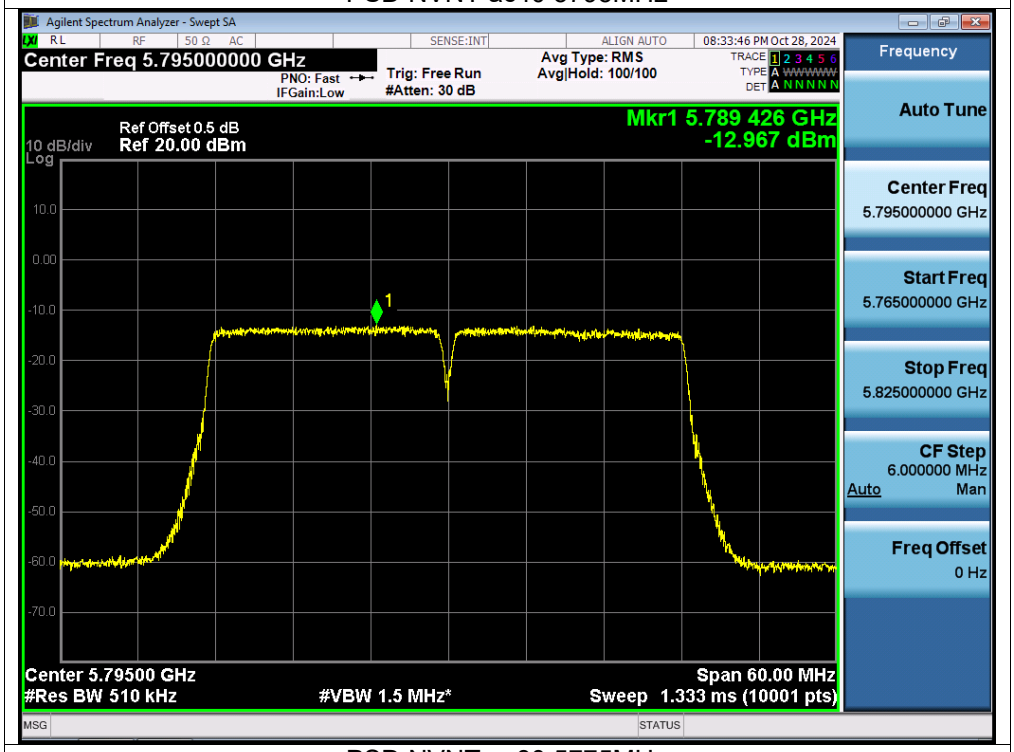
PSD NVNT ac20 5785MHz

PSD NVNT ac20 5825MHz

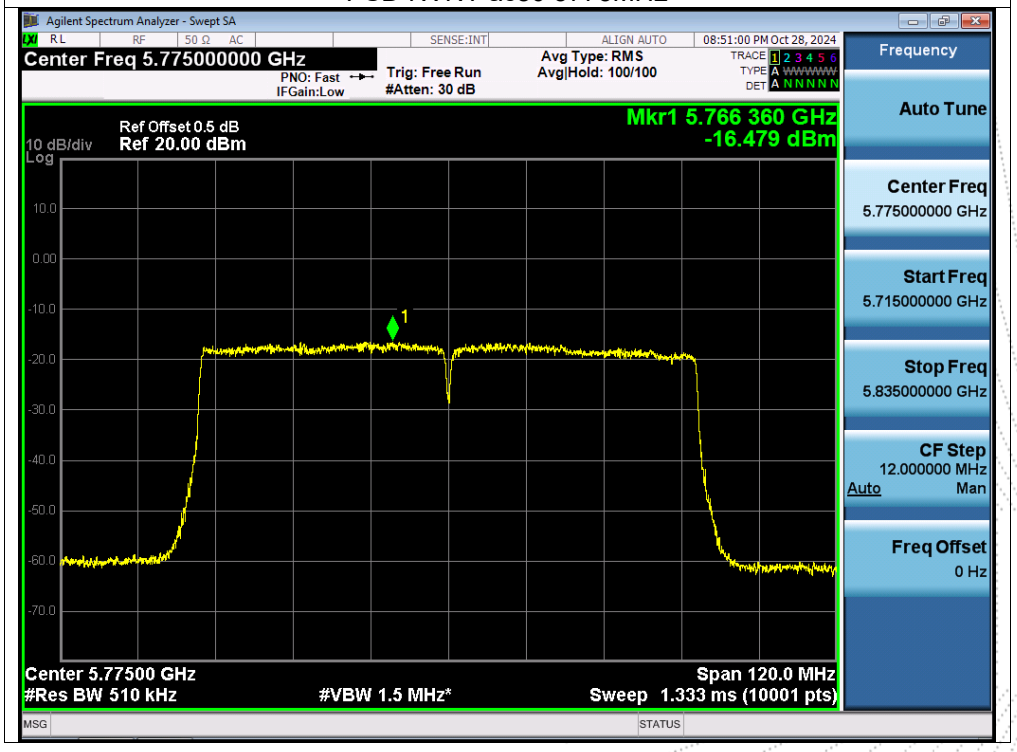
PSD NVNT ac40 5755MHz



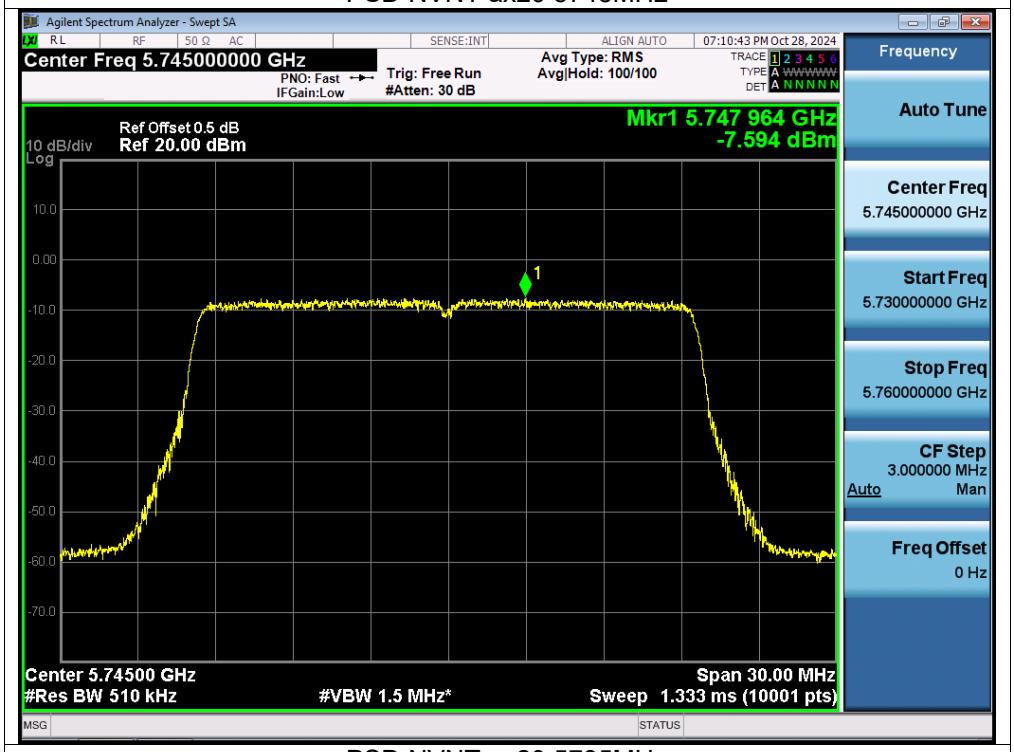
PSD NVNT ac40 5795MHz



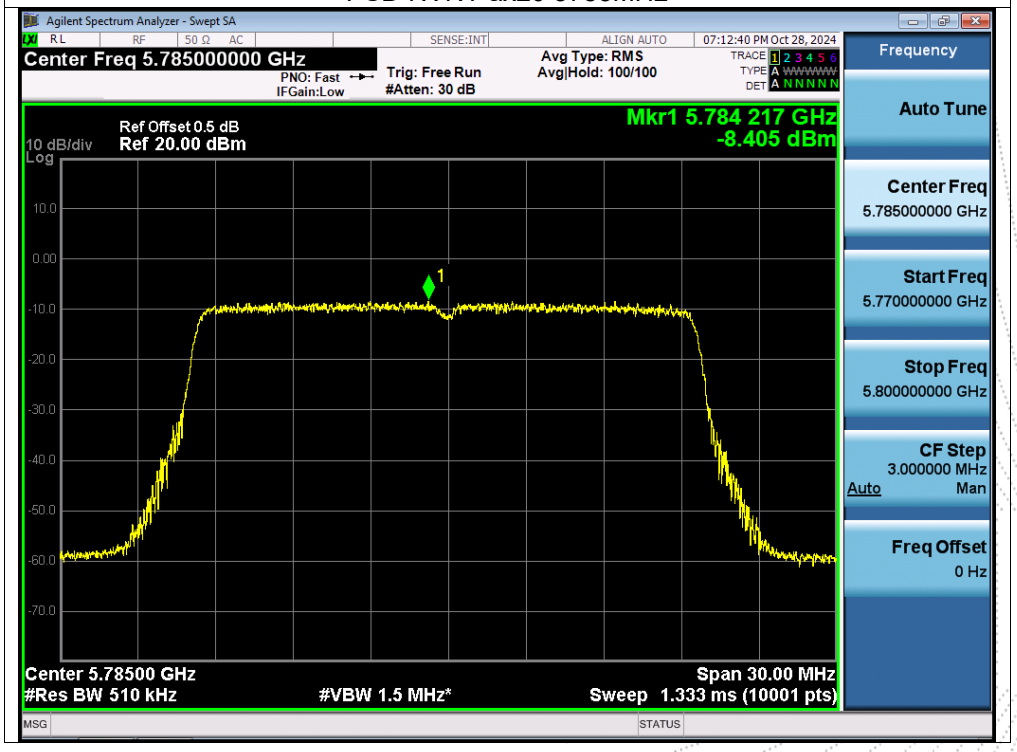
PSD NVNT ac80 5775MHz



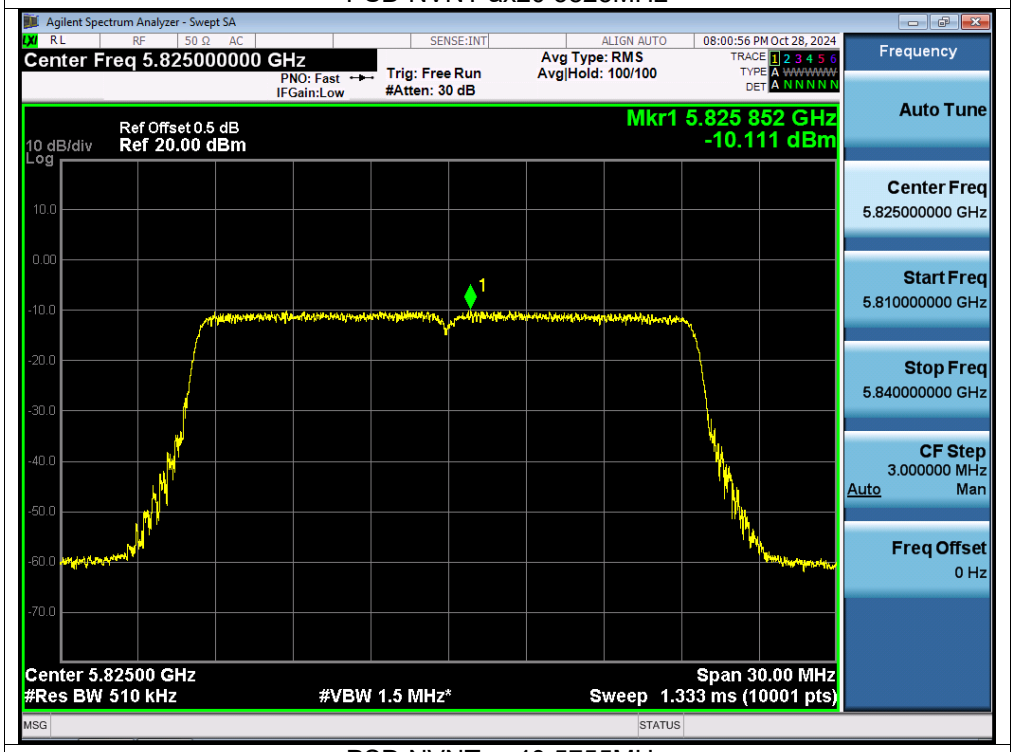
PSD NVNT ax20 5745MHz



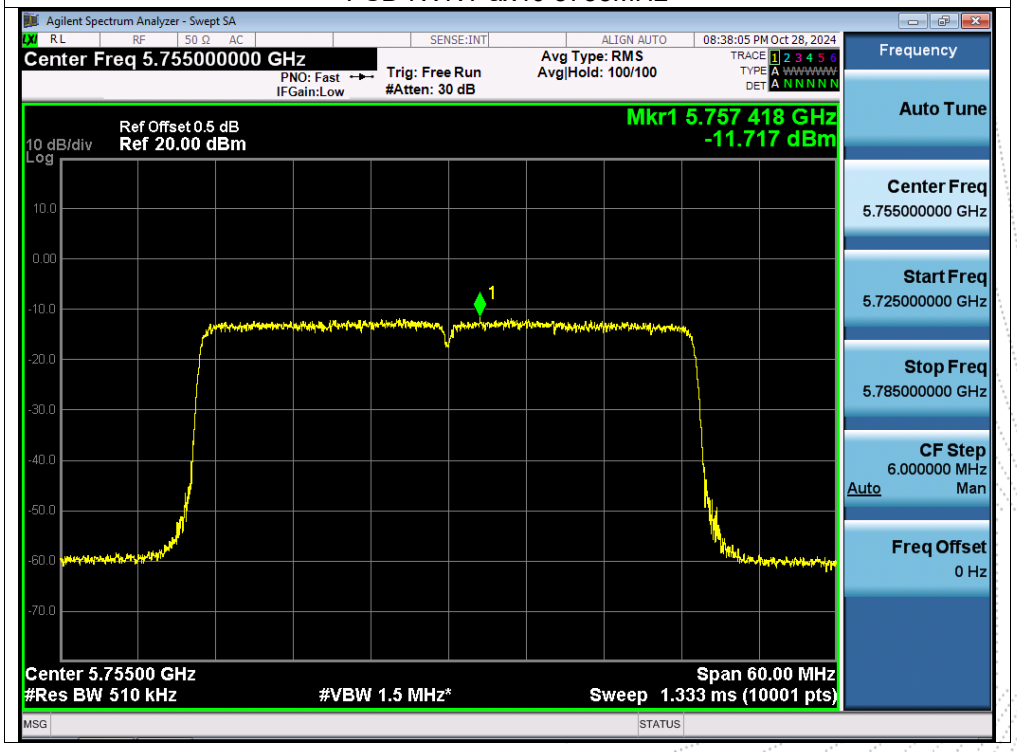
PSD NVNT ax20 5785MHz



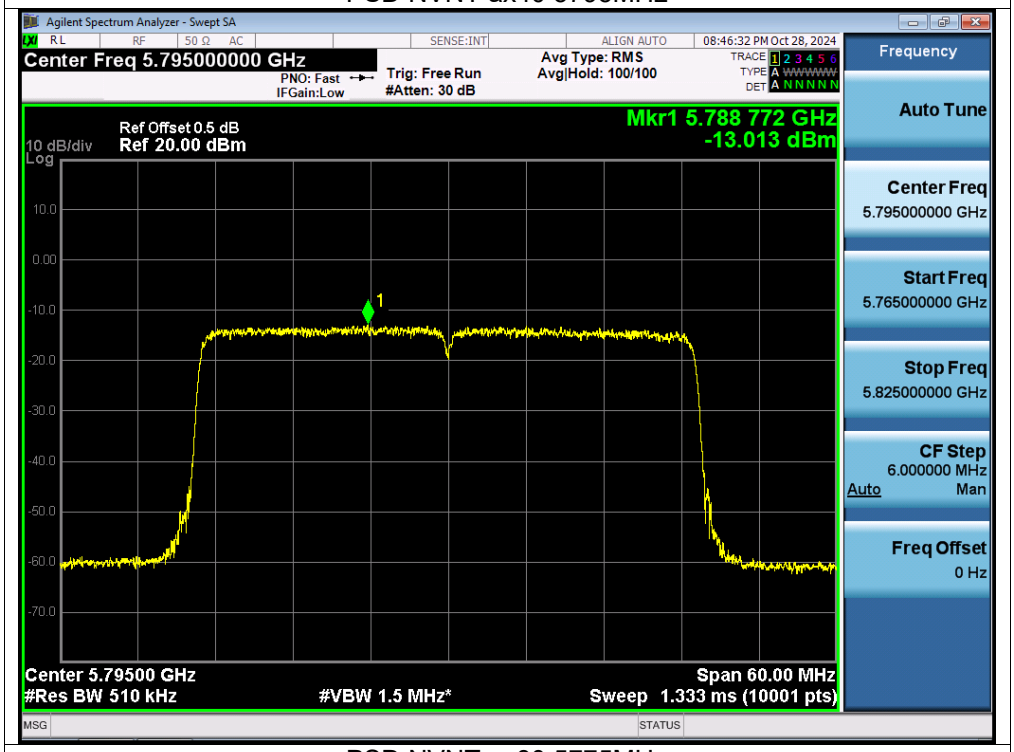
PSD NVNT ax20 5825MHz



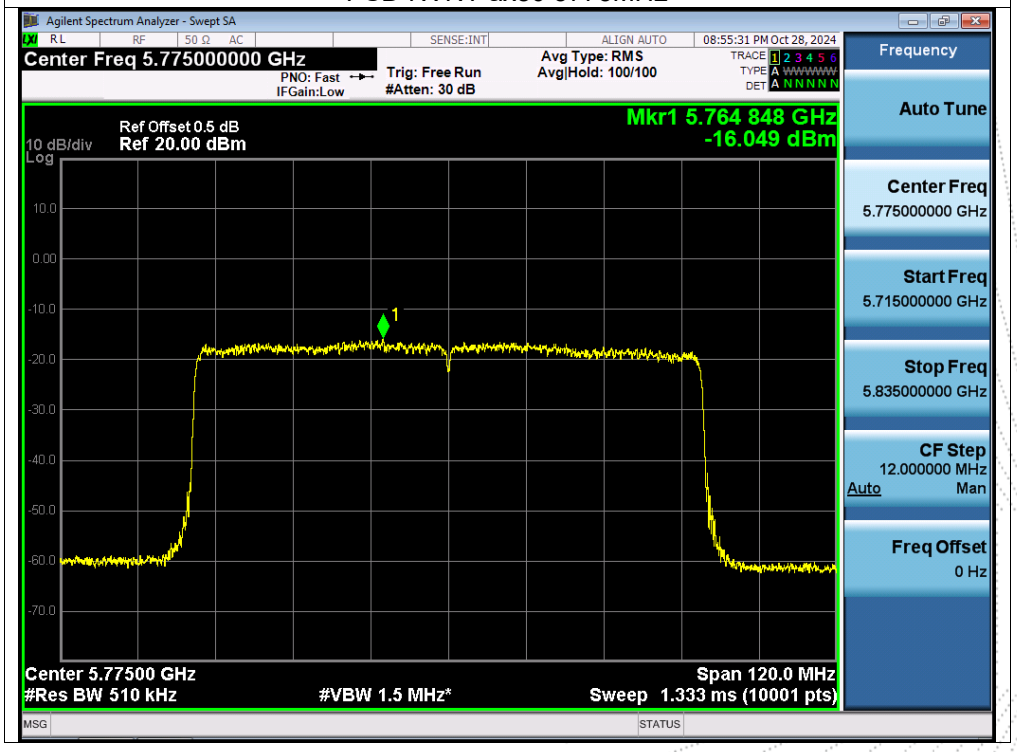
PSD NVNT ax40 5755MHz



PSD NVNT ax40 5795MHz

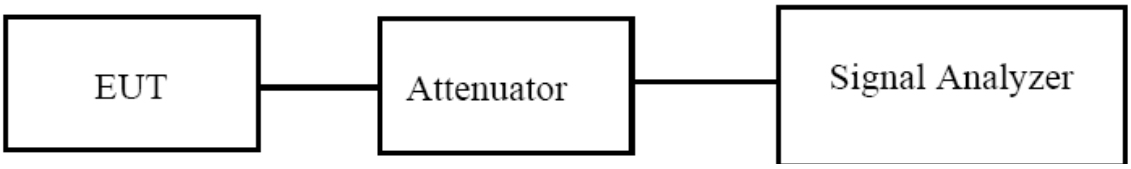


PSD NVNT ax80 5775MHz



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

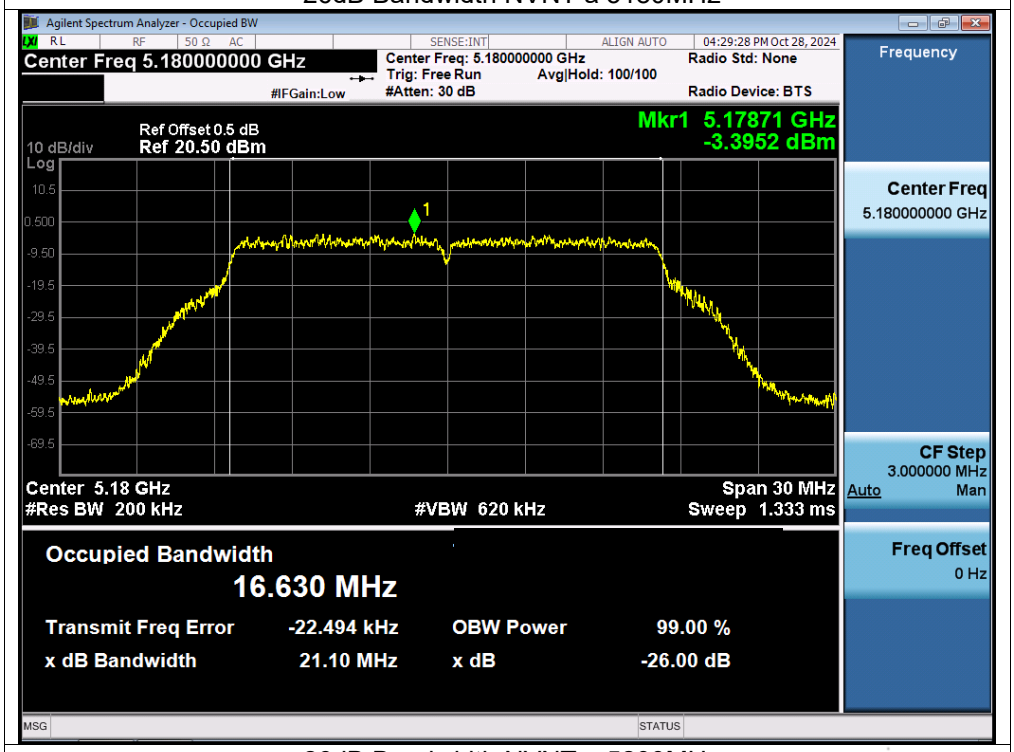
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 12V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		99% OBW (MHz)		Verdict
			Ant A	Ant B	Ant A	Ant B	
NVNT	a	5180	21.1	21.082	16.625	16.627	Pass
NVNT	a	5200	21.017	21.021	16.64	16.633	Pass
NVNT	a	5240	21.062	20.993	16.623	16.619	Pass
NVNT	n20	5180	21.38	21.244	17.822	17.823	Pass
NVNT	n20	5200	21.347	21.406	17.849	17.835	Pass
NVNT	n20	5240	21.271	21.482	17.865	17.835	Pass
NVNT	n40	5190	39.916	39.832	36.257	36.251	Pass
NVNT	n40	5230	39.769	39.721	36.292	36.282	Pass
NVNT	ac20	5180	21.481	21.427	17.792	17.806	Pass
NVNT	ac20	5200	21.177	21.353	17.807	17.836	Pass
NVNT	ac20	5240	21.35	21.434	17.823	17.828	Pass
NVNT	ac40	5190	39.596	39.846	36.271	36.267	Pass
NVNT	ac40	5230	39.955	39.737	36.31	36.278	Pass
NVNT	ac80	5210	**81.702**	81.657	75.737	75.743	Pass
NVNT	ax20	5180	21.206	21.324	18.986	19.002	Pass
NVNT	ax20	5200	21.46	21.401	18.998	18.98	Pass
NVNT	ax20	5240	21.496	21.342	19.004	19.018	Pass
NVNT	ax40	5190	39.539	39.638	37.54	37.508	Pass
NVNT	ax40	5230	39.647	39.607	37.607	37.571	Pass
NVNT	ax80	5210	81.347	81.304	76.978	**77.095**	Pass

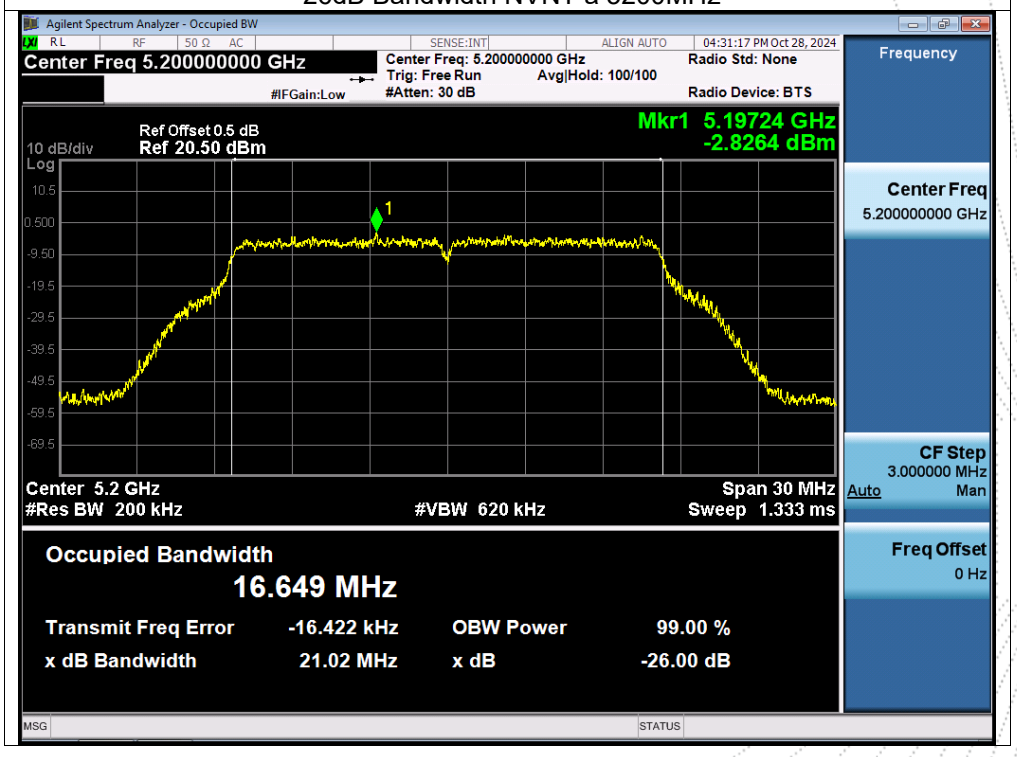
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

Test Graphs

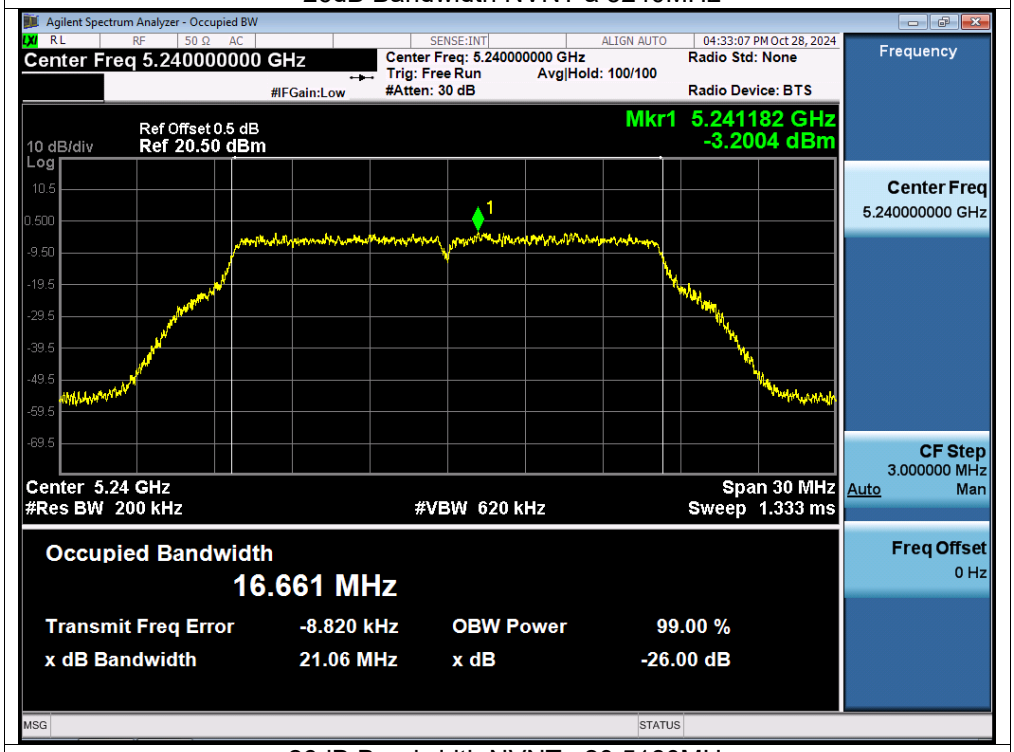
-26dB Bandwidth NVNT a 5180MHz



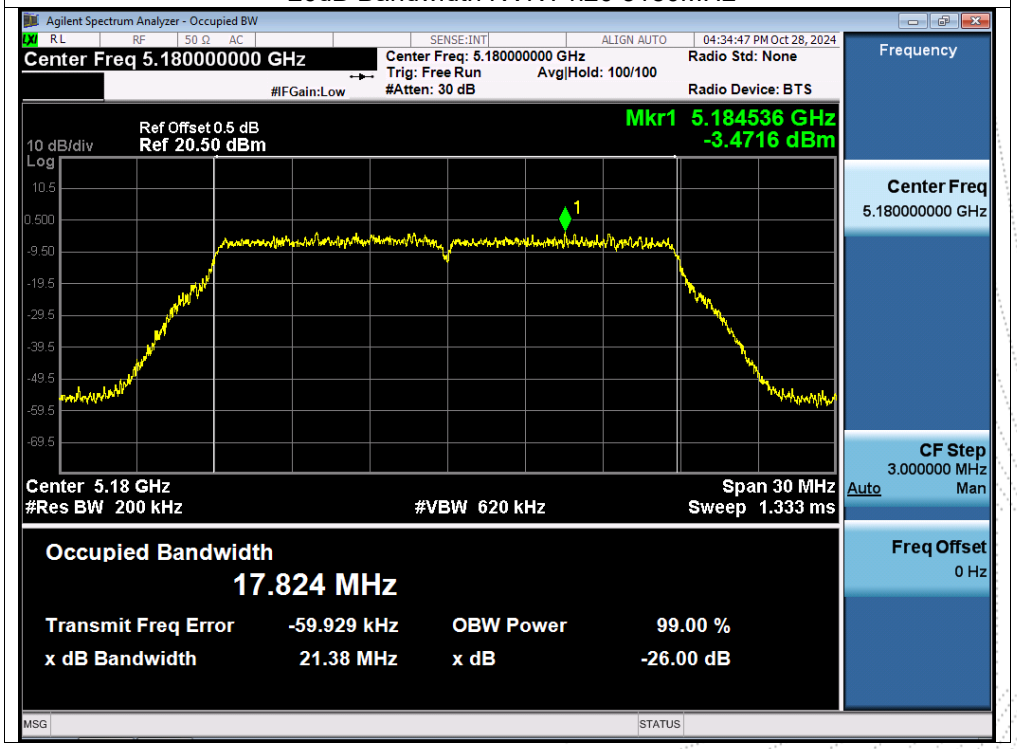
-26dB Bandwidth NVNT a 5200MHz



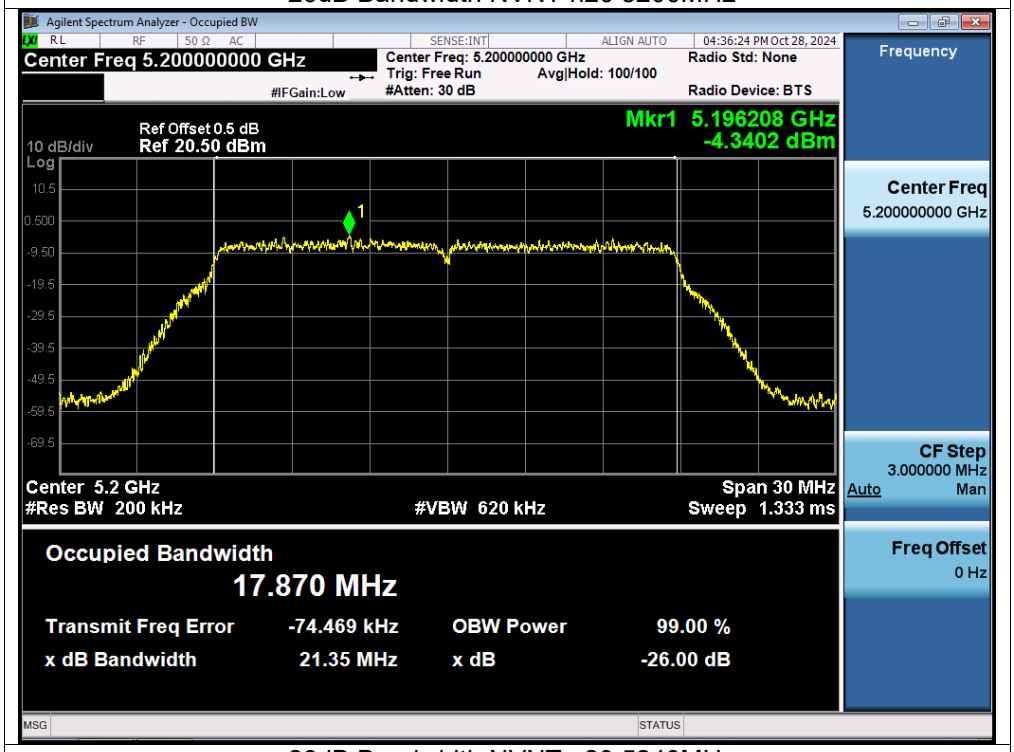
-26dB Bandwidth NVNT a 5240MHz



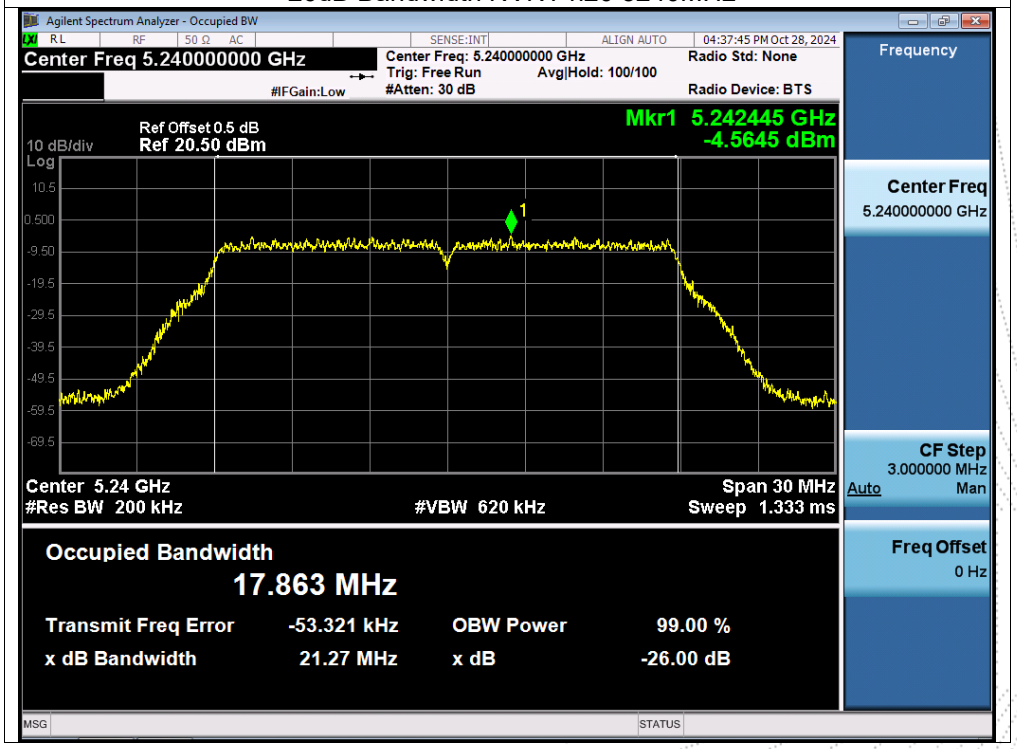
-26dB Bandwidth NVNT n20 5180MHz



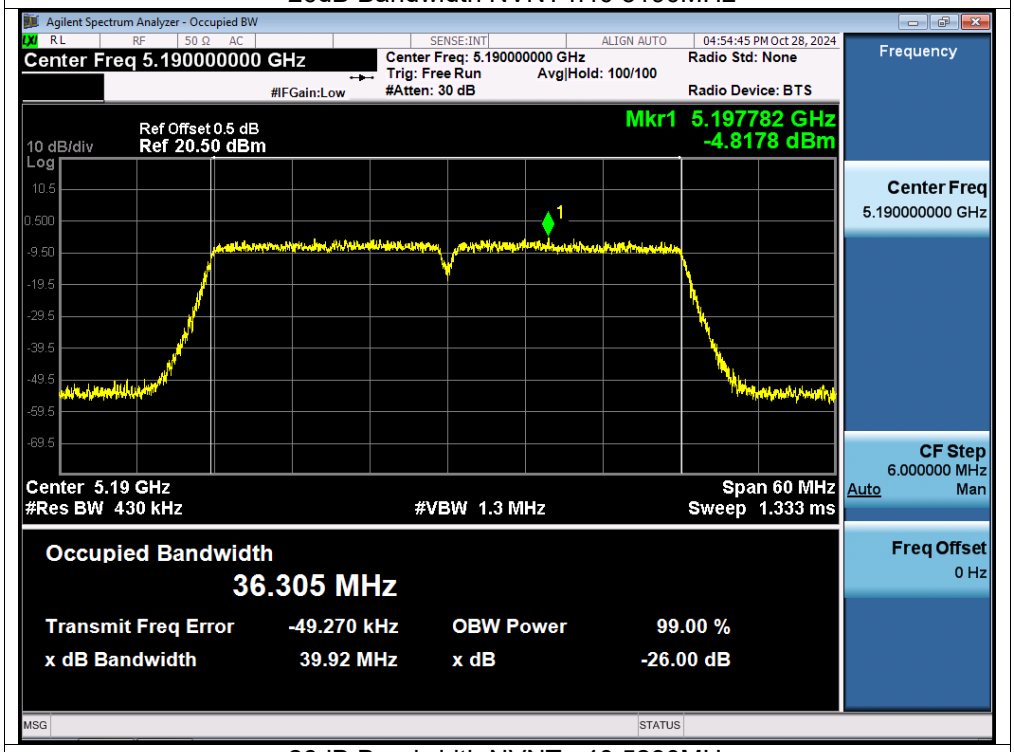
-26dB Bandwidth NVNT n20 5200MHz



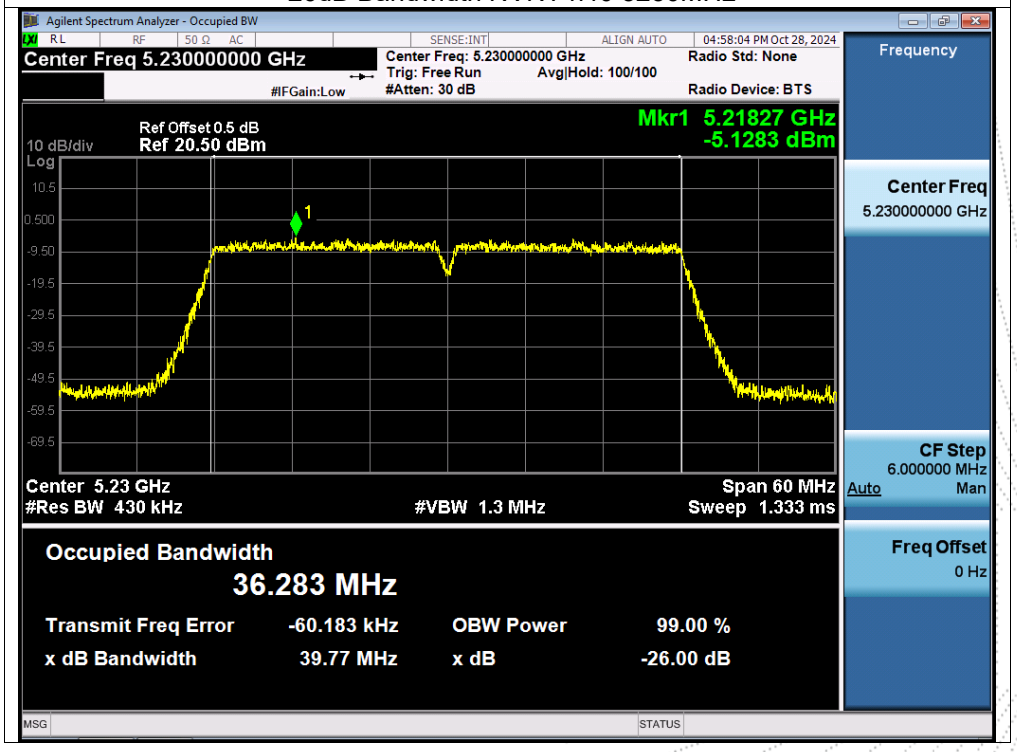
-26dB Bandwidth NVNT n20 5240MHz



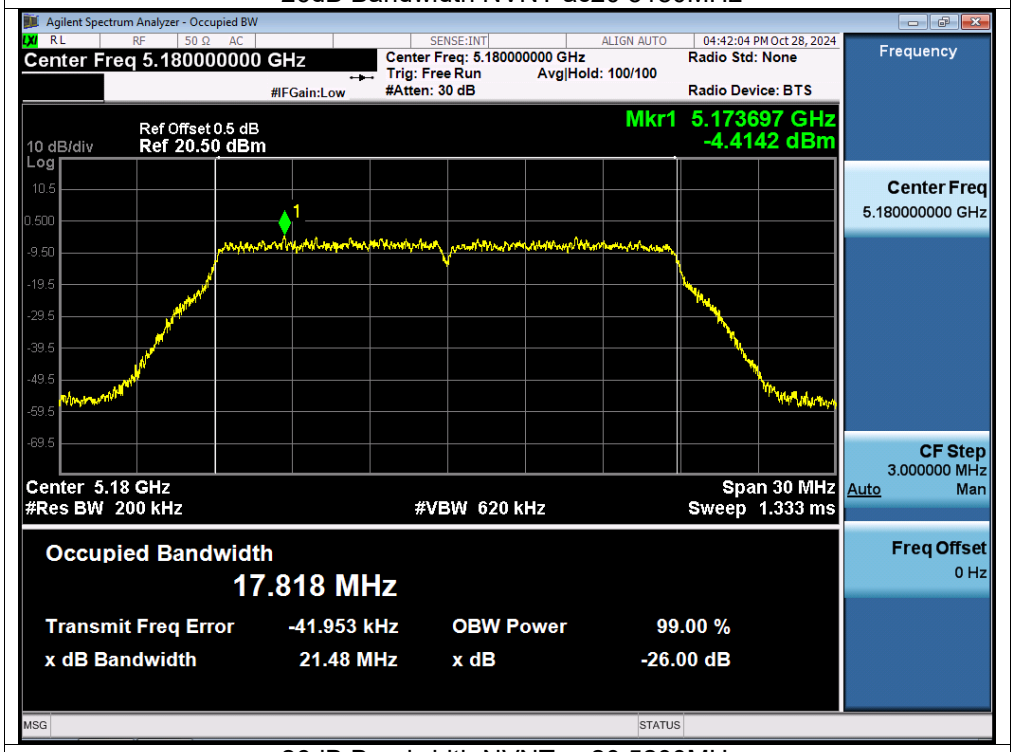
-26dB Bandwidth NVNT n40 5190MHz



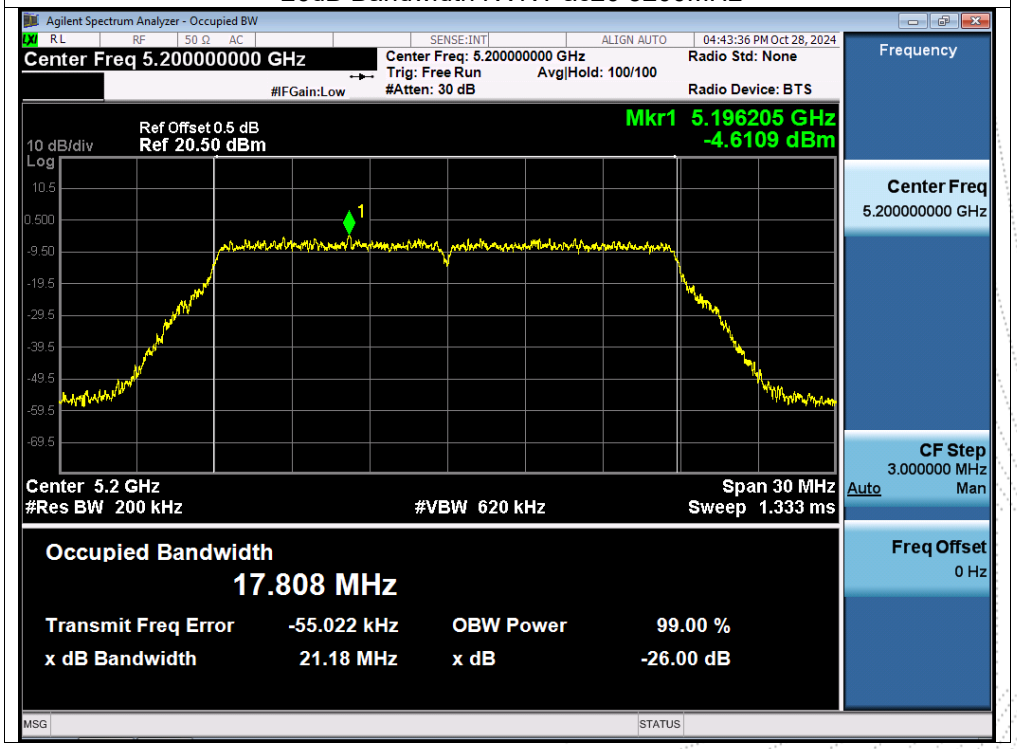
-26dB Bandwidth NVNT n40 5230MHz



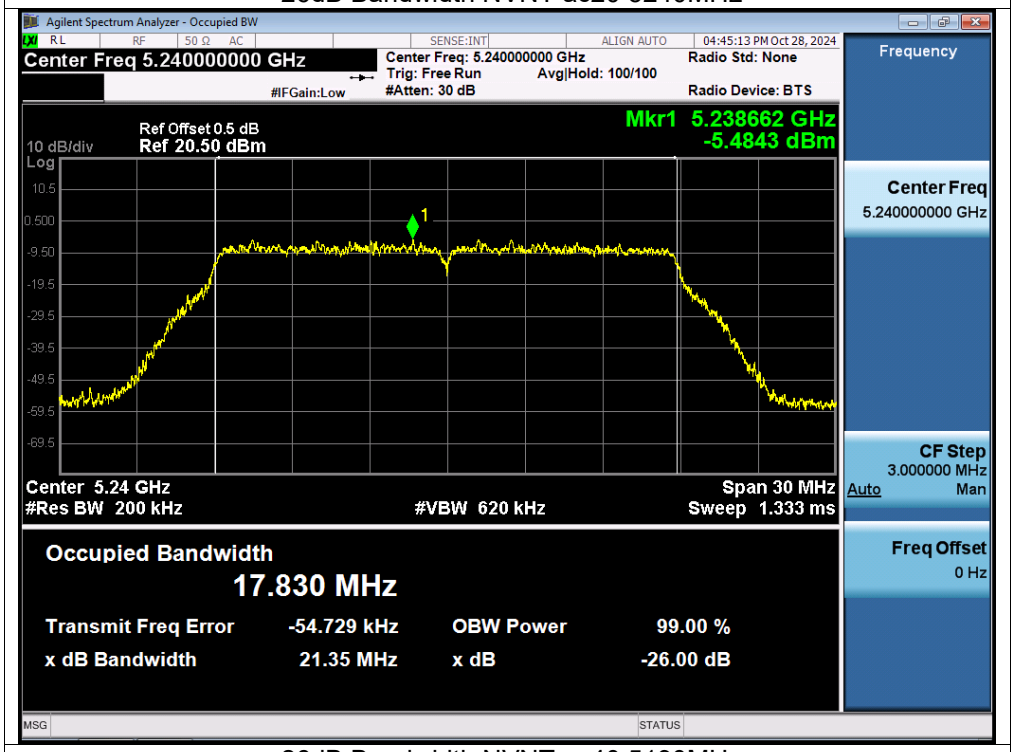
-26dB Bandwidth NVNT ac20 5180MHz



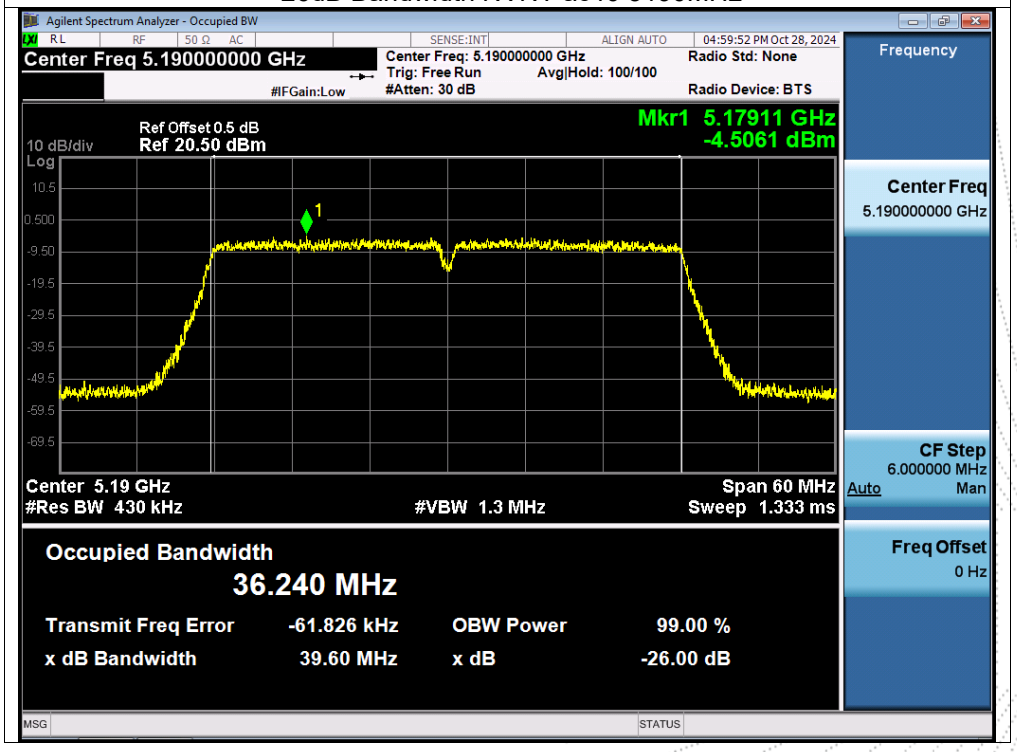
-26dB Bandwidth NVNT ac20 5200MHz



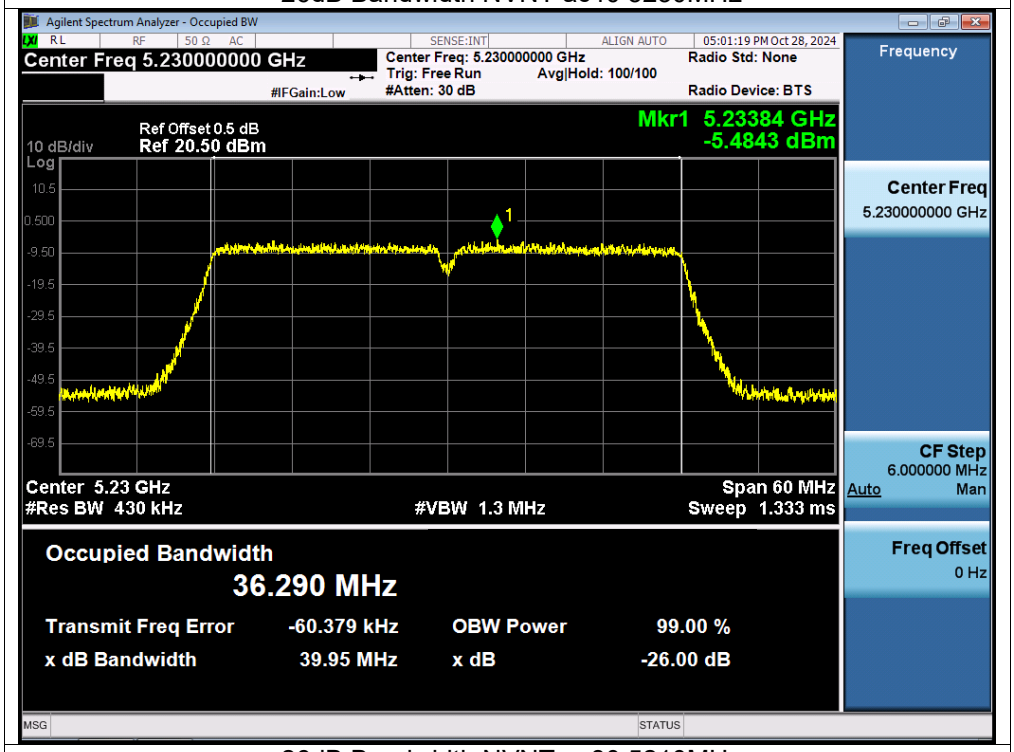
-26dB Bandwidth NVNT ac20 5240MHz



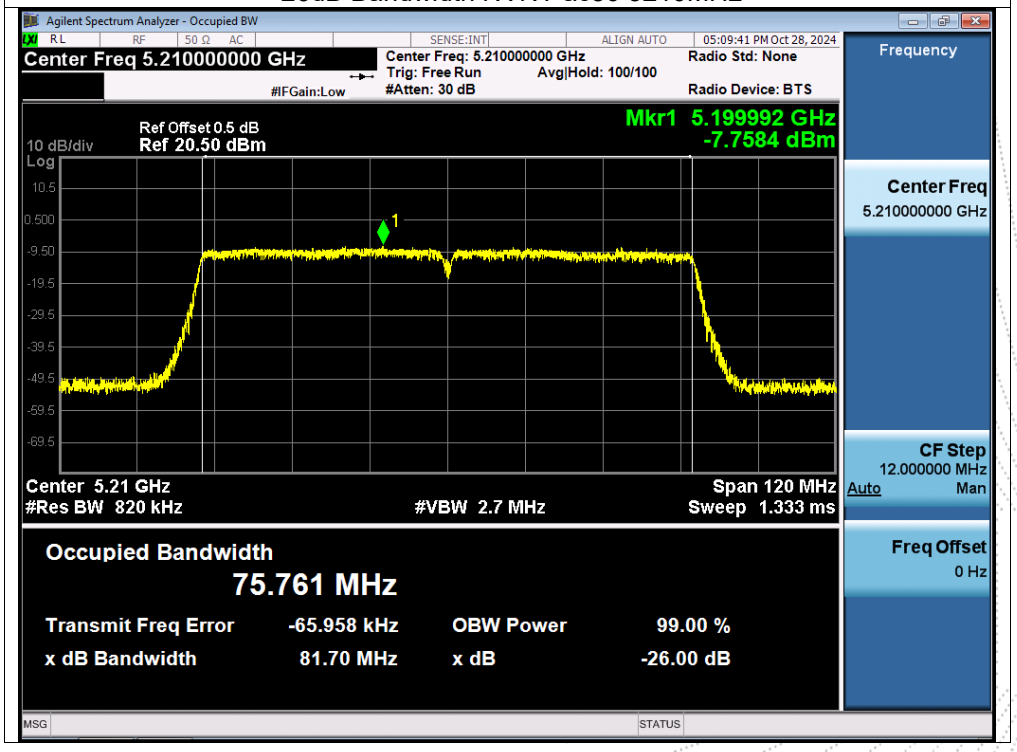
-26dB Bandwidth NVNT ac40 5190MHz



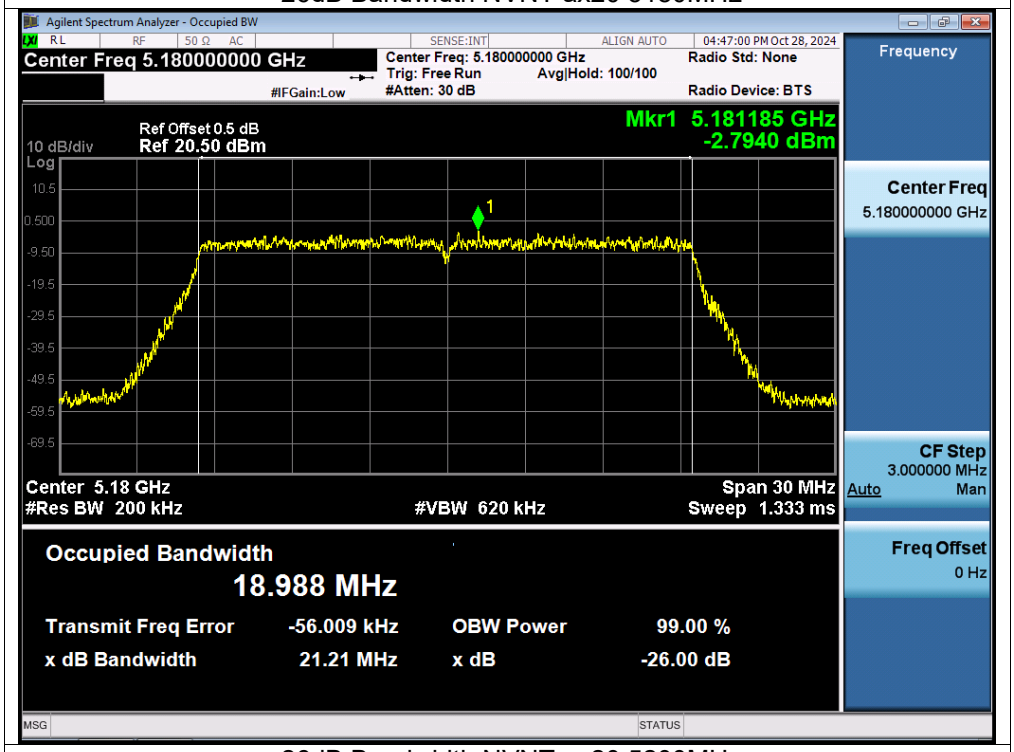
-26dB Bandwidth NVNT ac40 5230MHz



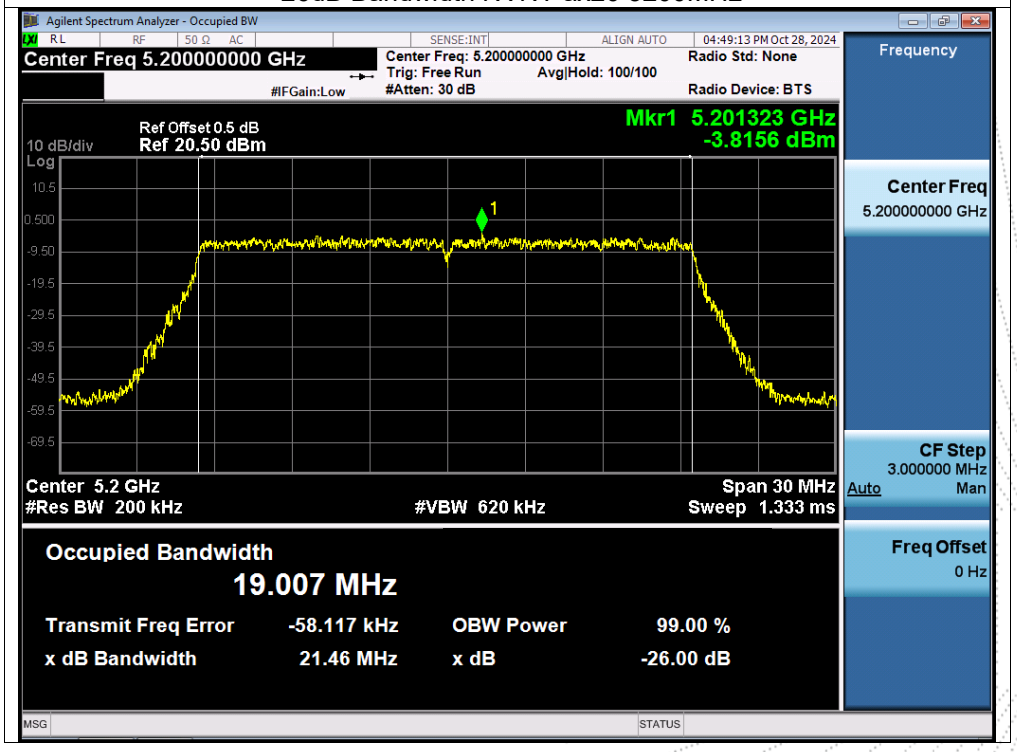
-26dB Bandwidth NVNT ac80 5210MHz



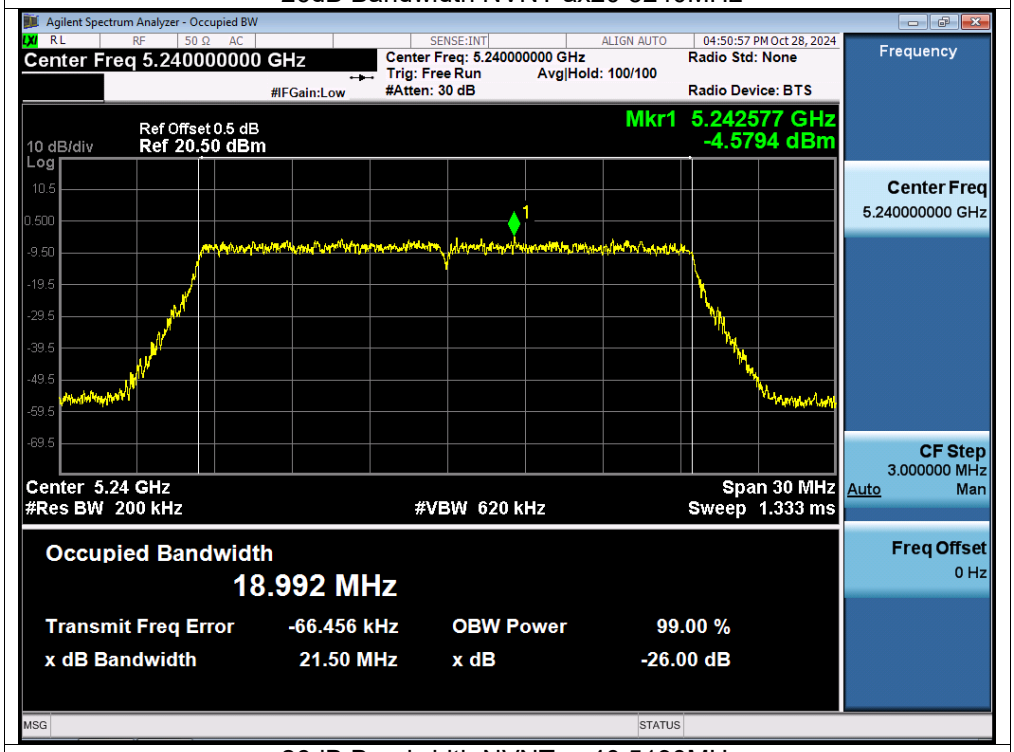
-26dB Bandwidth NVNT ax20 5180MHz



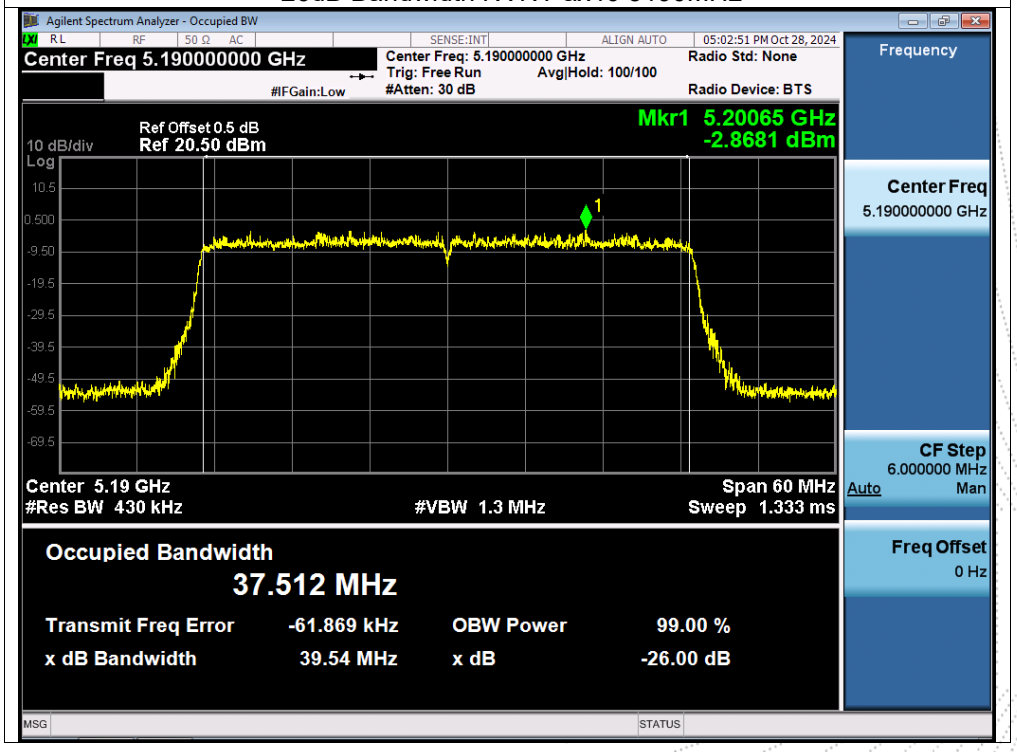
-26dB Bandwidth NVNT ax20 5200MHz



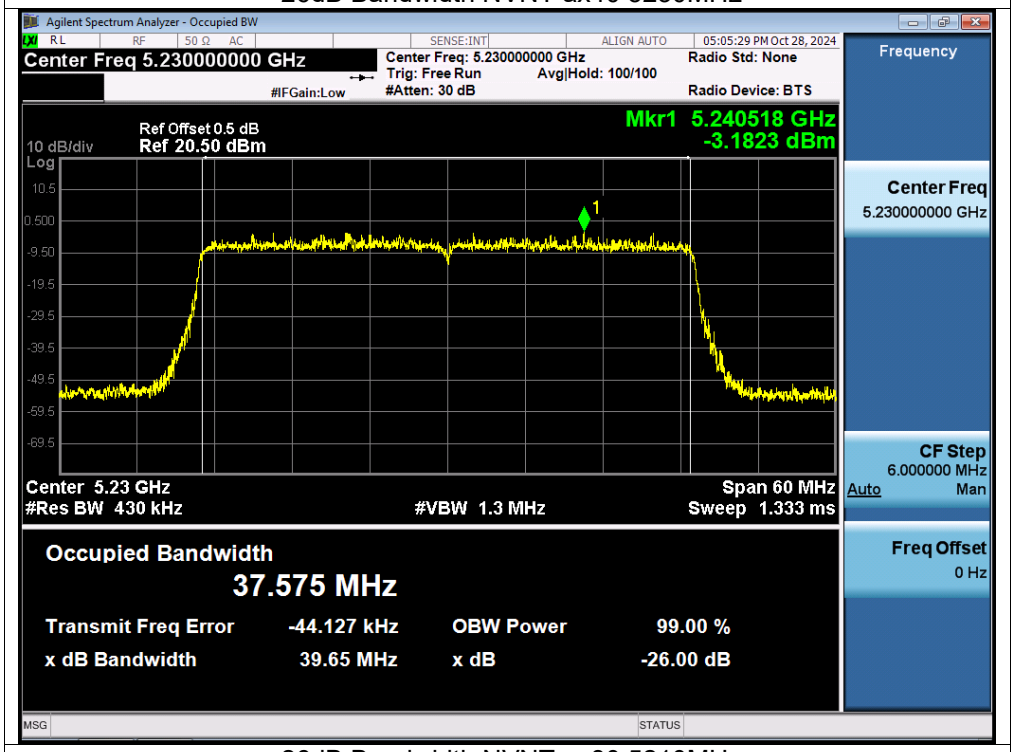
-26dB Bandwidth NVNT ax20 5240MHz



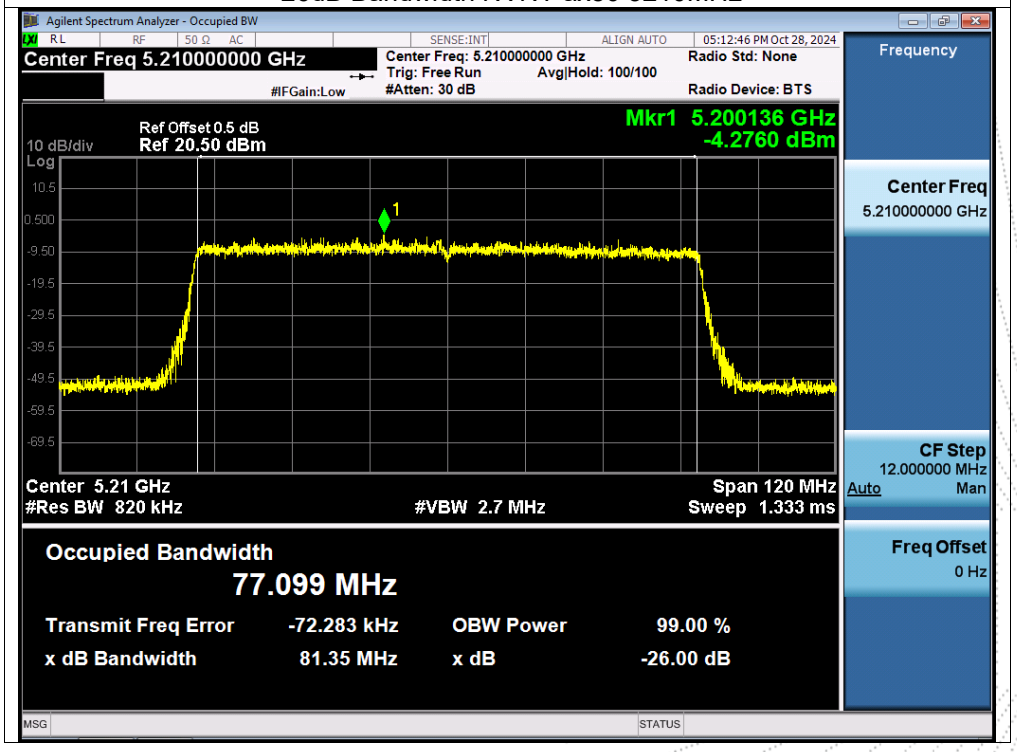
-26dB Bandwidth NVNT ax40 5190MHz



-26dB Bandwidth NVNT ax40 5230MHz



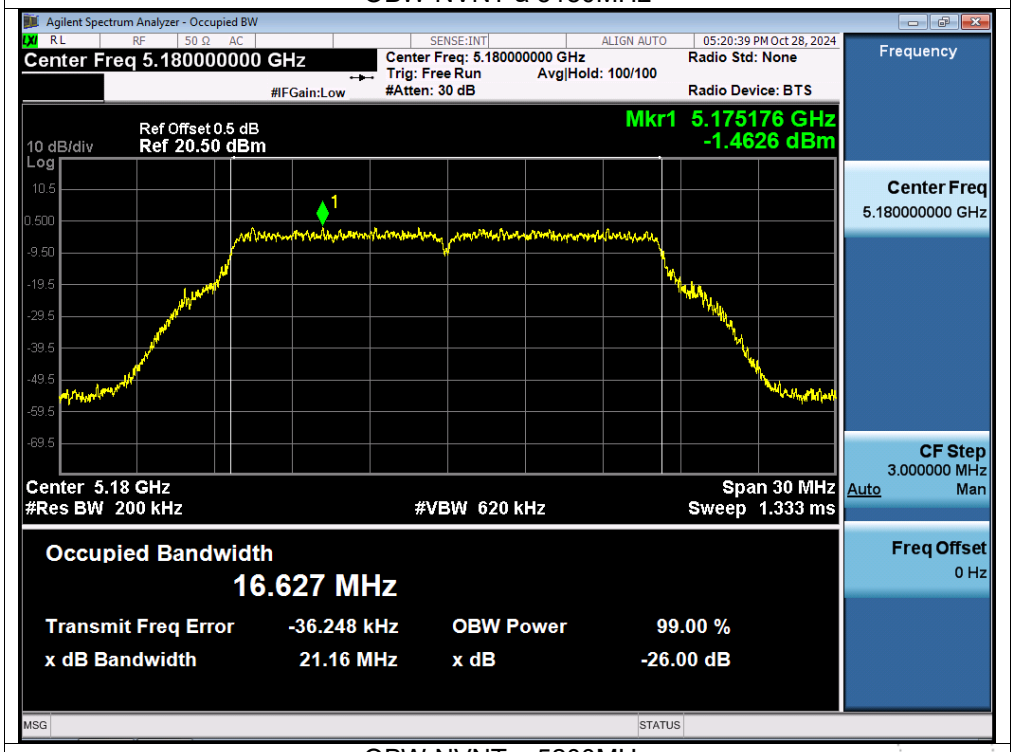
-26dB Bandwidth NVNT ax80 5210MHz



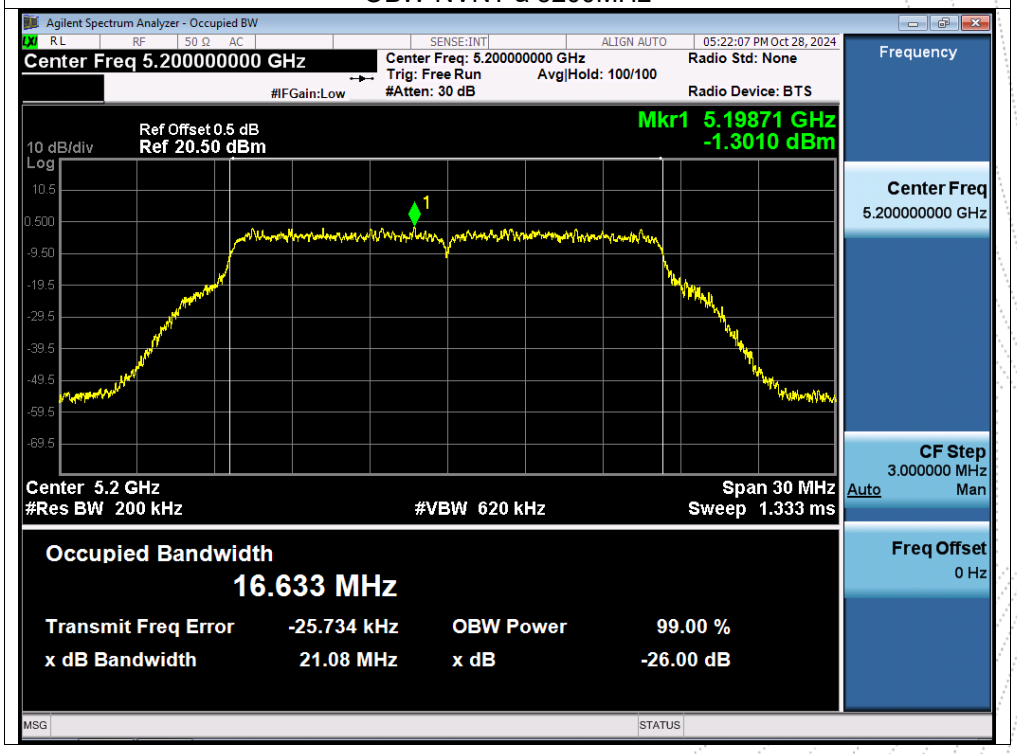
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

Test Graphs

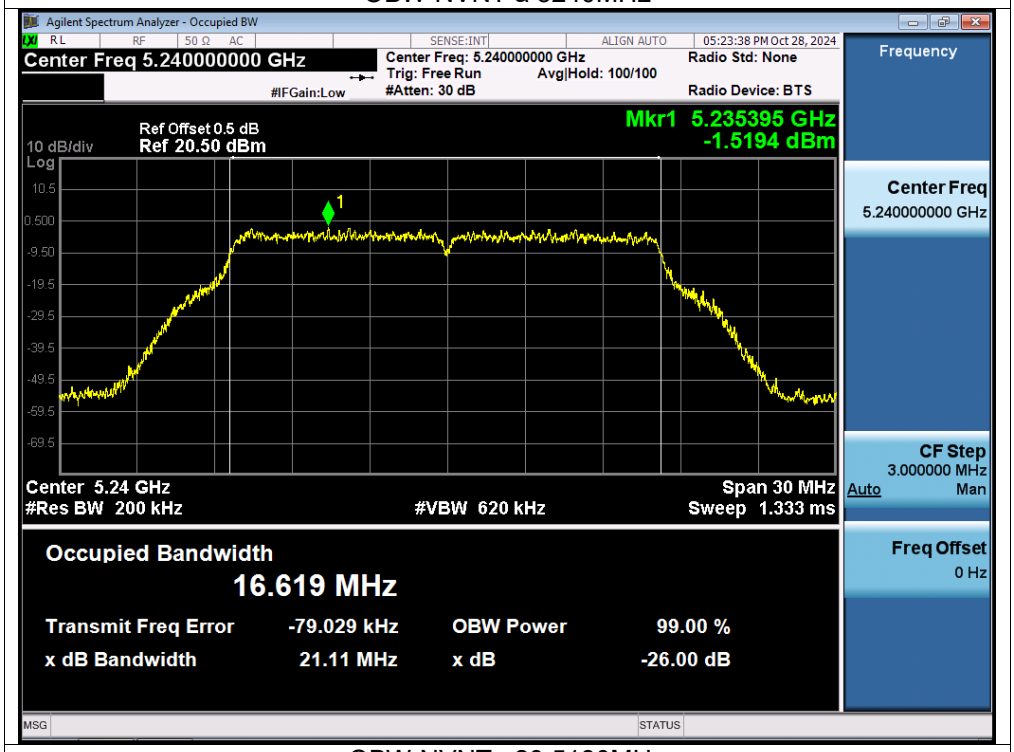
OBW NVNT a 5180MHz



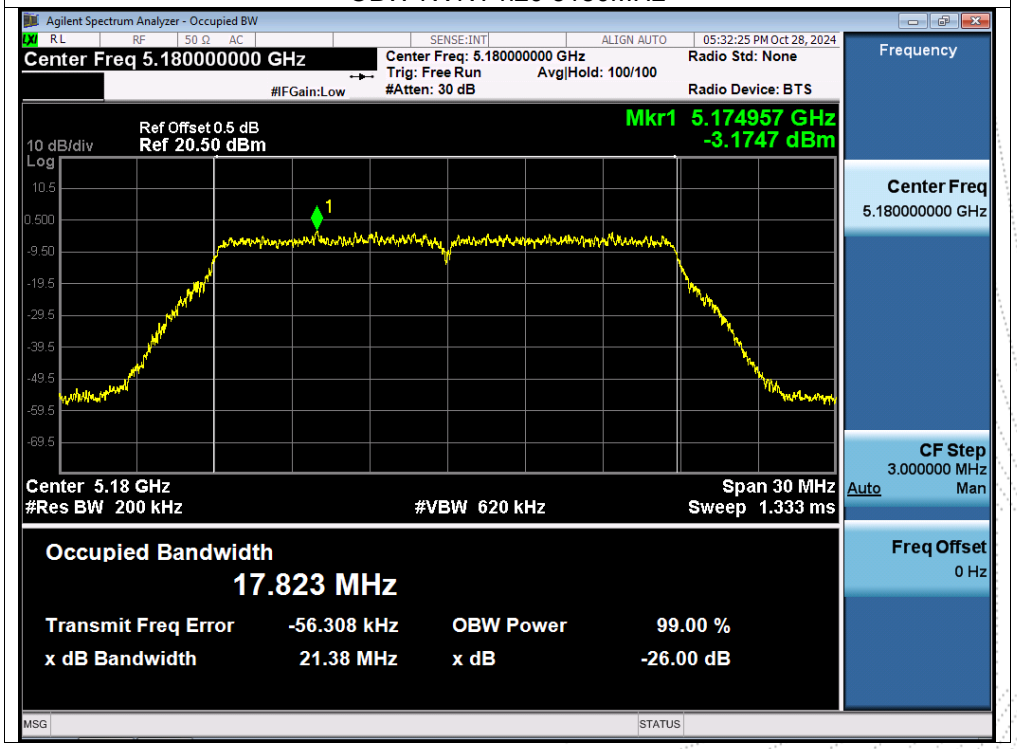
OBW NVNT a 5200MHz



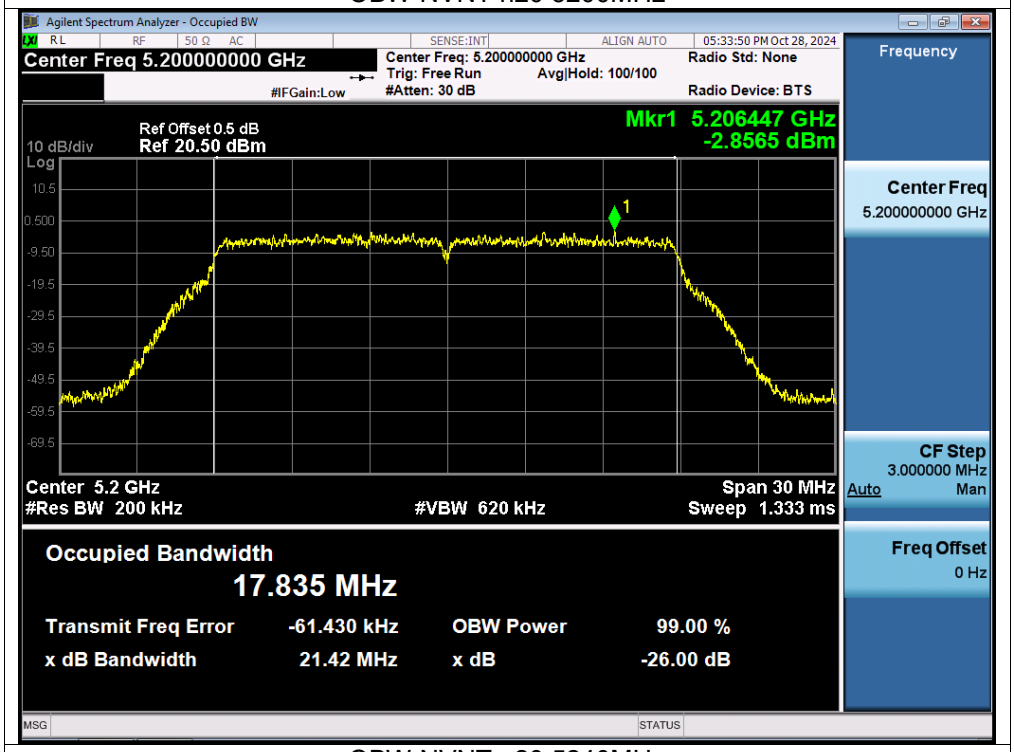
OBW NVNT a 5240MHz



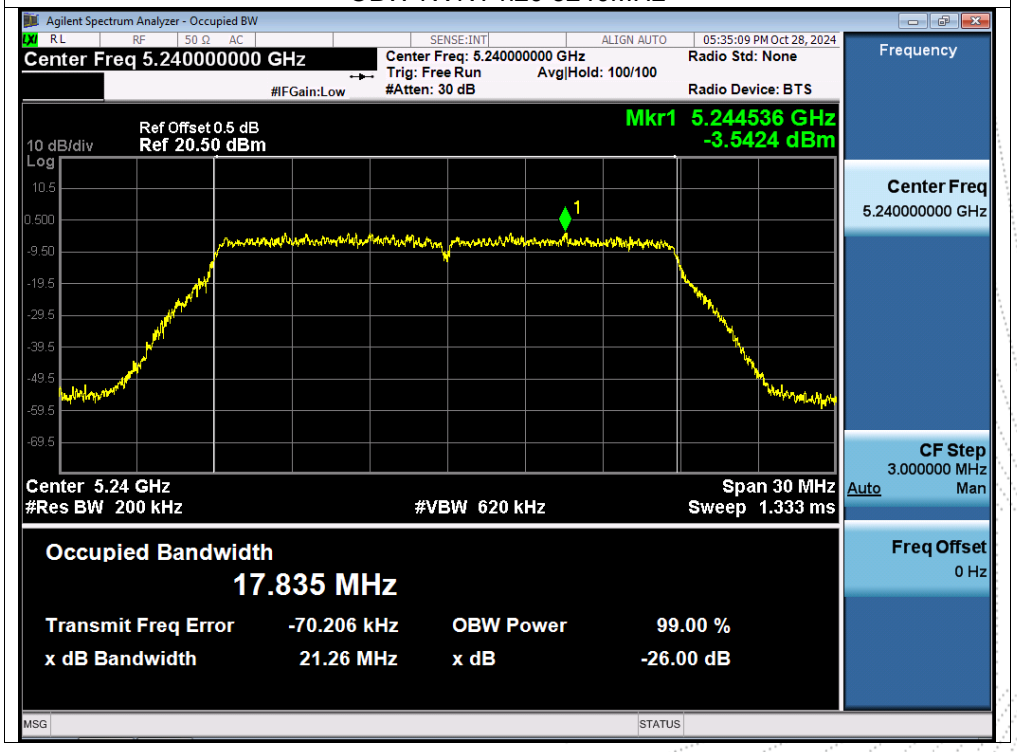
OBW NVNT n20 5180MHz



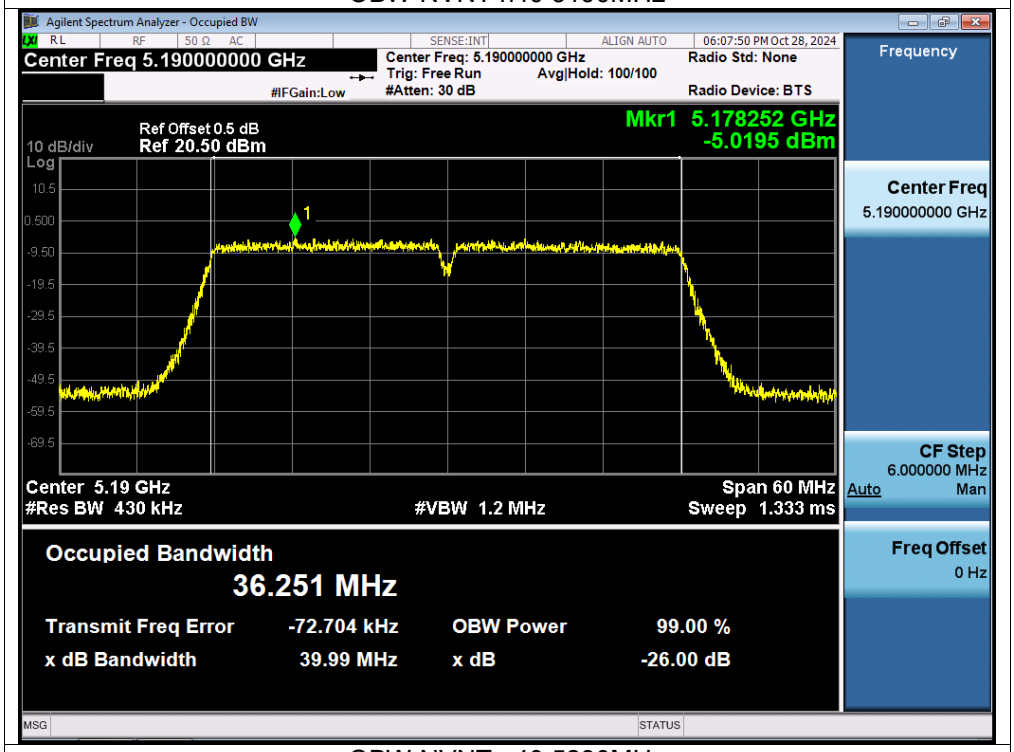
OBW NVNT n20 5200MHz



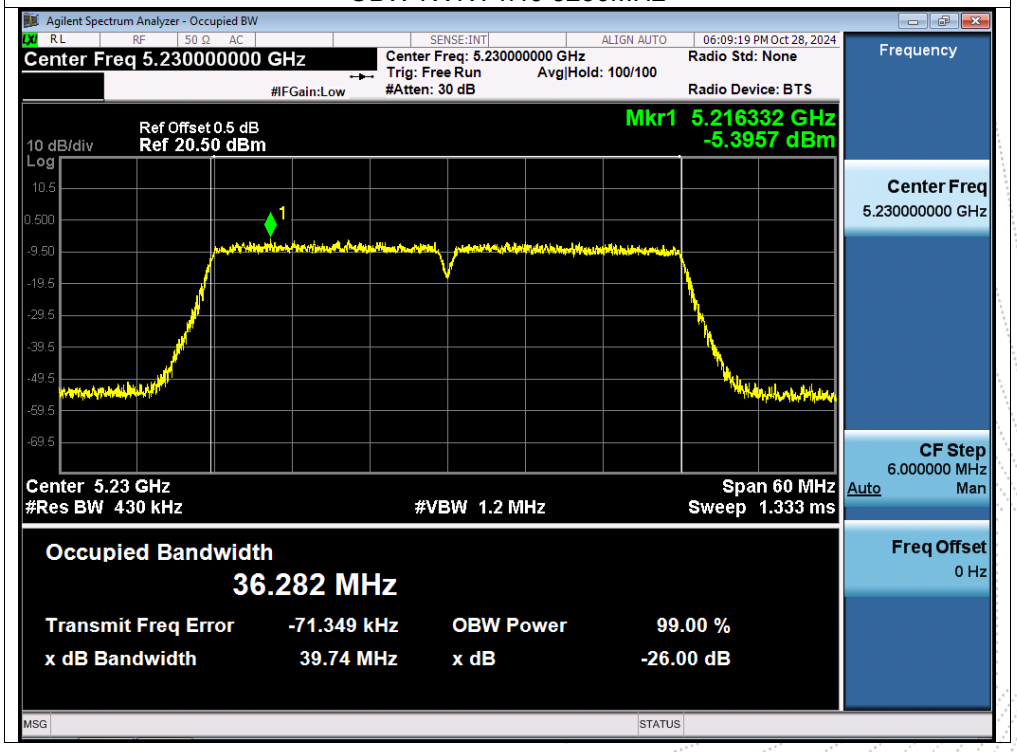
OBW NVNT n20 5240MHz



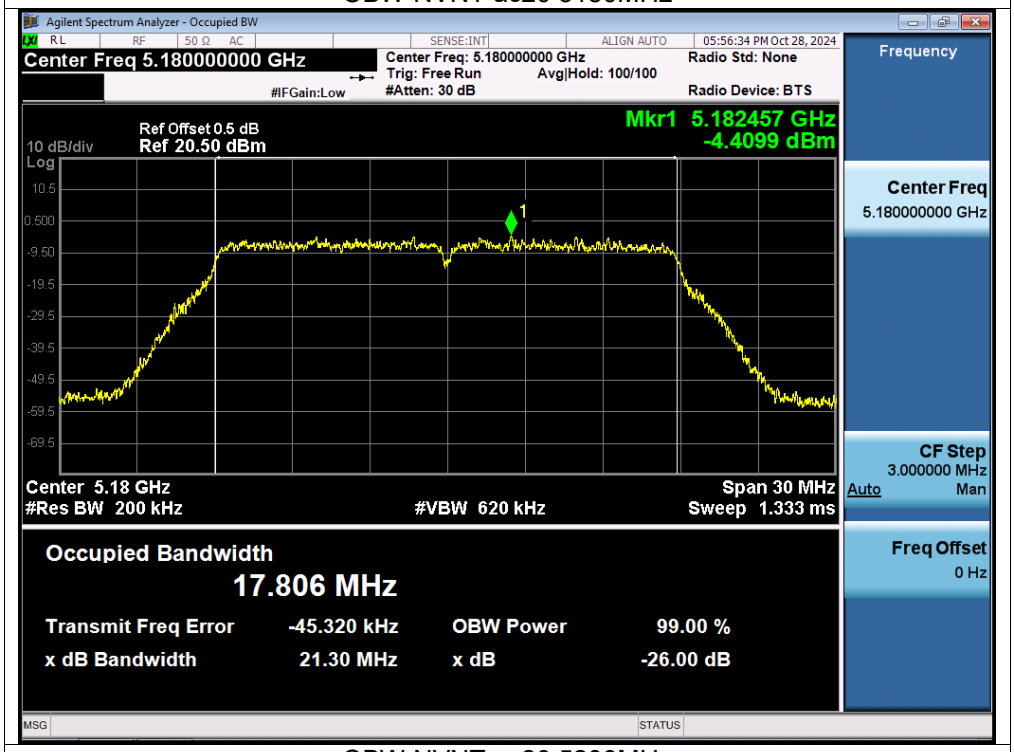
OBW NVNT n40 5190MHz



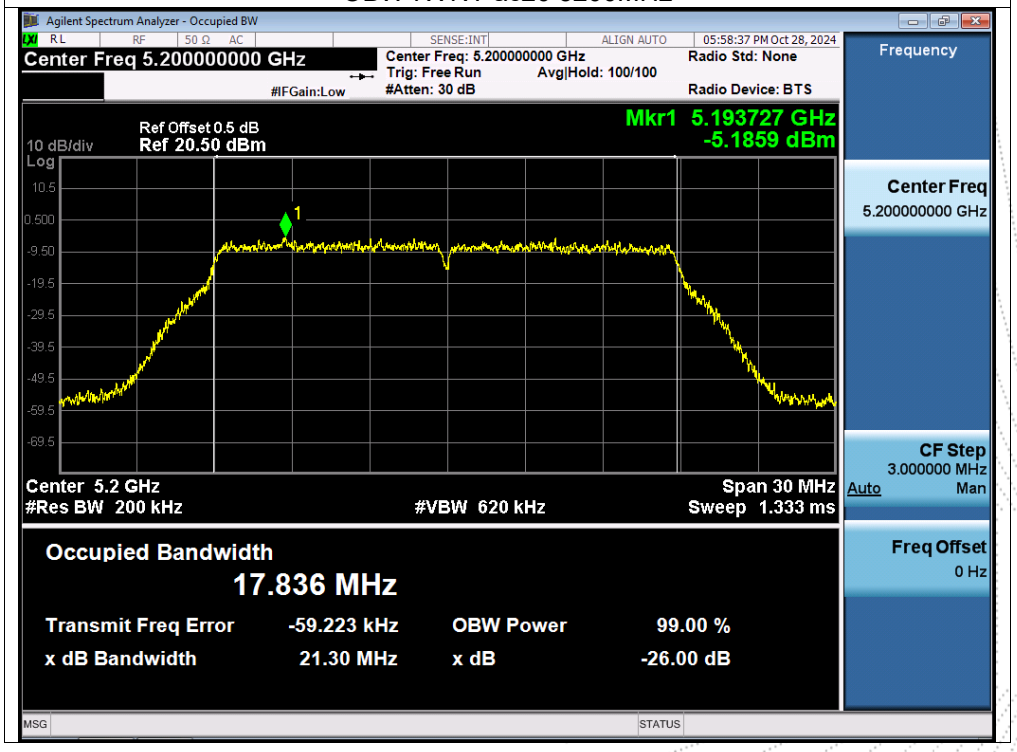
OBW NVNT n40 5230MHz



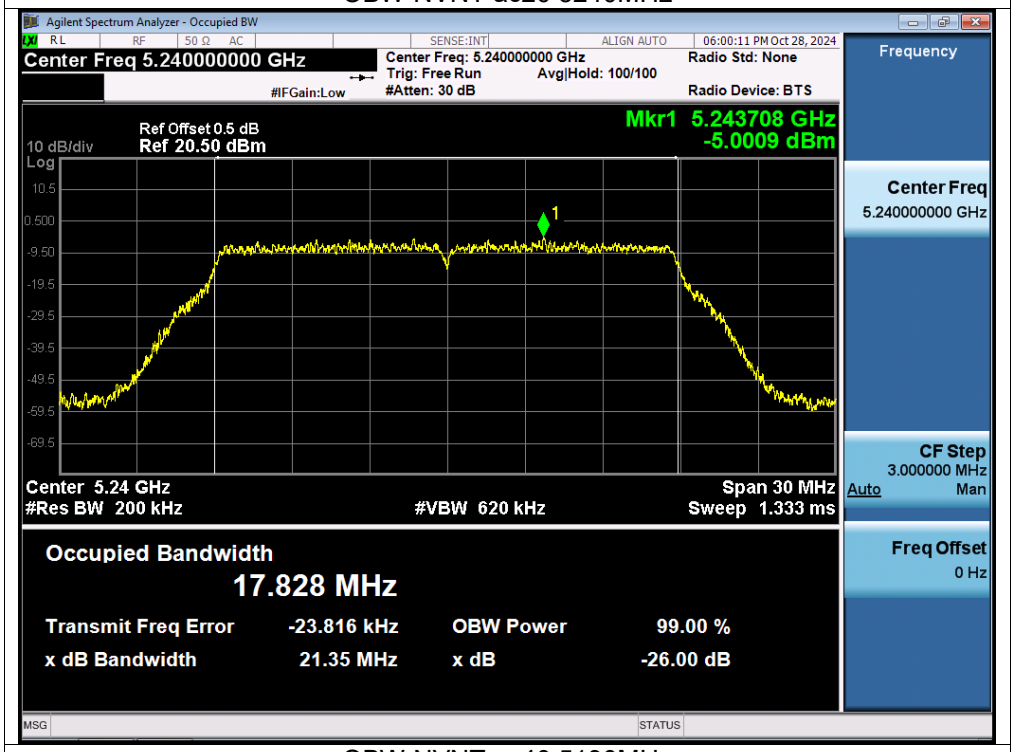
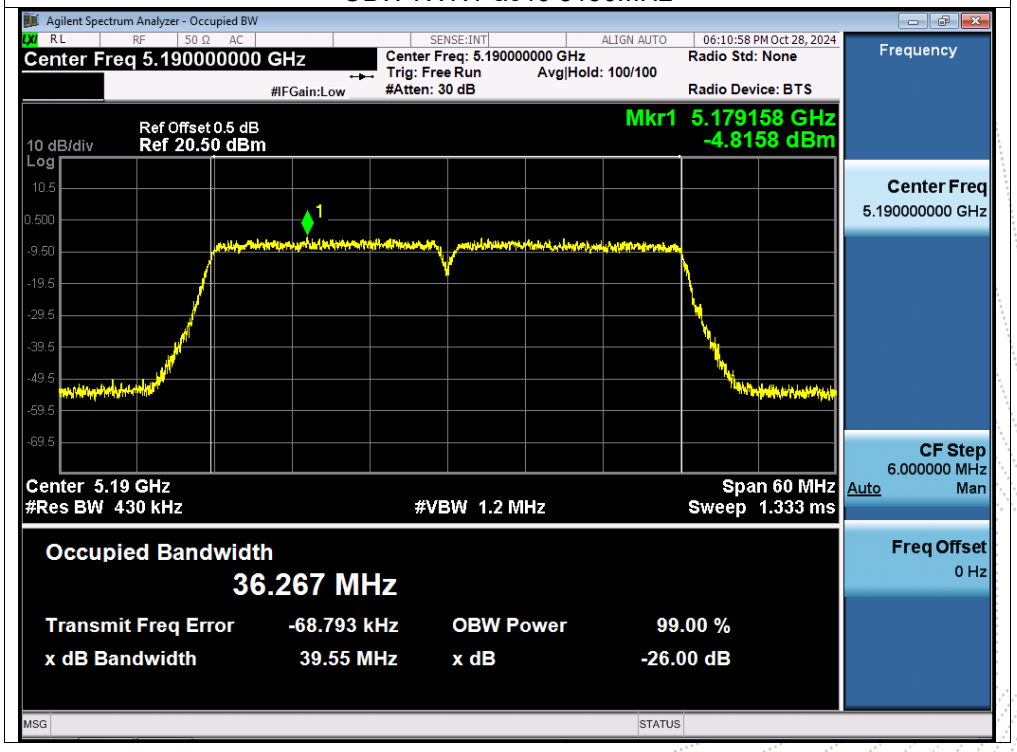
OBW NVNT ac20 5180MHz



OBW NVNT ac20 5200MHz



OBW NVNT ac20 5240MHz



OBW NVNT ac40 5190MHz