TEST REPORT

Report No.:	BCTC2309306181-4E
Applicant:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD
Product Name:	17.3 inch laptop
Model/Type Reference:	M17
Tested Date:	2023-09-20 to 2023-10-11
Issued Date:	2023-10-11

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2AAMS-M17

Product Name:	17.3 inch laptop
Trademark:	N/A
Model/Type Reference:	M17 M173CJ
Prepared For:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD
Address:	3-4/F, Bldg 1, Hongbang Intelligent Technology Park,No.30 Cuibao Road, Baolong Street, Longgang District, Shenzhen China
Manufacturer:	SHENZHEN NST INDUSTRY AND TRADE CO., LTD
Address:	3-4/F, Bldg 1, Hongbang Intelligent Technology Park,No.30 Cuibao Road, Baolong Street, Longgang District, Shenzhen China
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2023-09-20
Sample tested Date:	2023-09-20 to 2023-10-11
Issue Date:	2023-10-11
Report No.:	BCTC2309306181-4E
Test Standards:	FCC Part15 15.407 ANSI C63.10-2013 KDB 662911 D01 v02r01 KDB 789033 D02 v02r01
Test Results:	PASS
Remark:	This is WIFI-5GHz band radio test report.

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

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2309306181-4E	2023-10-11	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

1	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(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(9KHz-30MHz)	U=3.7dB
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

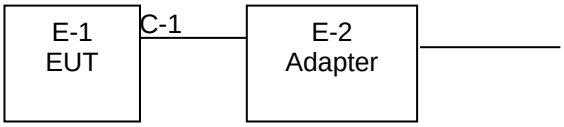
4.1 Product Information

Model/Type reference:	M17 M173CJ
Model differences:	All models are the same circuit and RF modules, differences in color, and differences in whether products are shipped with trademarks.
Hardware Version:	JOYAR66_G_X133_V10
Software Version:	windows11 home
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)/ac20; 5190-5230MHz for 802.11n(HT40)/ac40; 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20)/ac20; 5755-5795 MHz for 802.11a/n(HT40)/ac40; 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): NSS1, MCS0-MCS8 802.11ac(VHT40/VHT80):NSS1, MCS0-MCS
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
Number Of Channel:	4 channels for 802.11a/n20 in the 5180-5240MHz band ; 2 channels for 802.11 n40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; 5 channels for 802.11a/n20 in the 5745-5825MHz band ; 2 channels for 802.11 n40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band ;
Antenna installation:	Internal antenna*2
Antenna Gain:	WiFi (5GHz): Antenna A&B: 2.18 dBi
Ratings:	DC 12V from adapter/DC 7.6V from battery
Adapter:	MODEL: JHD-AP036U-120300BA-A INOUT:100-240V~50/60Hz 1.2A OUTPUT:12.0V ⎓3000mA

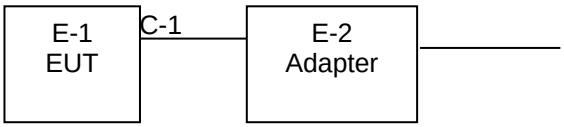
4.2 Test Setup Configuration

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

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	17.3 inch laptop	N/A	M17	M173CJ	EUT
E-2	Adapter	N/A	JHD-AP036U-12 0300BA-A	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	0.3M	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

Frequency and Channel list for 802.11a/n /ac (5180-5240MHz):

802.11a/n/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/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)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**
42	5210	-	-	-	-	-	-

Frequency and Channel list for 802.11a/n /ac (5745-5825MHz):

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

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

802.11ac (80MHz) Carrier Frequency Channel							
Channel	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**Channel**	**Frequency (MHz)**	**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 CH36/ CH40/ CH 48 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	Link Mode

Note: The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

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

Table for Internal antenna

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	2.18	N/A
B	N/A	N/A	Internal antenna	2.18	N/A

EUT has two Internal antennas with Max antenna A gain GANT 2.18dBi and antenna B gain 2.18dBi on every antenna, CDD device with one spatial streams, also can operat with one spatial streams according to KDB662911 D01 v02r01,

Directional gain= GANT + Array Gain, where Array Gain is as follows.

1)For power spectral density(PSD) measurements,
Array Gain=10log(NANT/NSS)dB=10log(2/1)=3.01 dBi,
So the directional gain for PSD is 5.19 dBi

2)For power measurements,
The Array gain=0 for NANT≤4,
So the directional gain for Power measurements is 2.18 dBi

Directional gain may be calculated by using the formulas applicable to equal gain antennaswith 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
FCC Designation Number: CN1212
ISED Registered No.: 23583
ISED CAB identifier: CN0017

5.2 Test Instrument Used

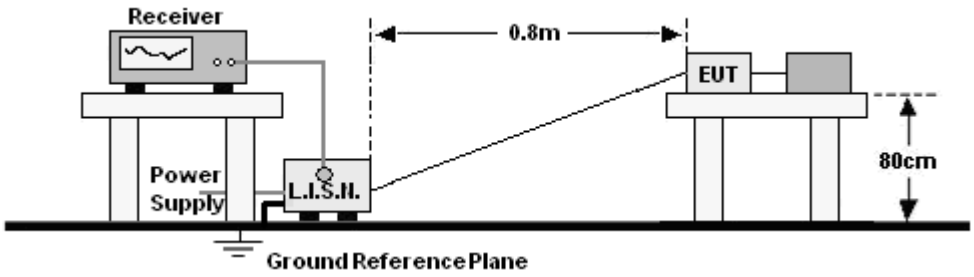
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
LISN	R&S	ENV216	101375	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB C-6GHz	1650	May 15, 2023	May 14, 2024

RF Conducted Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Power Metter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
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 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRP	101154	May 15, 2023	May 14, 2024
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 15, 2023	May 14, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 29, 2023	May 28, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 15, 2023	May 14, 2024
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
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

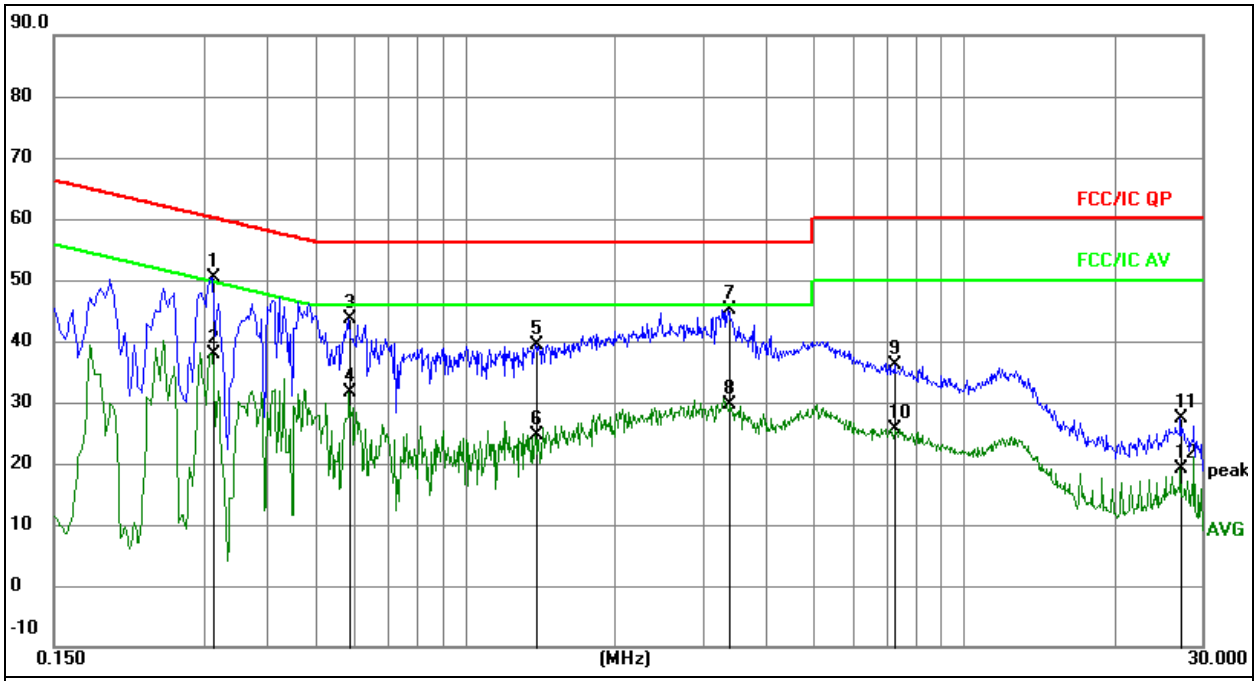
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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.
We pretest AC 120V and AC 240V, the worst voltage was AC 120V and the data recording in the report.

6.5 Test Result

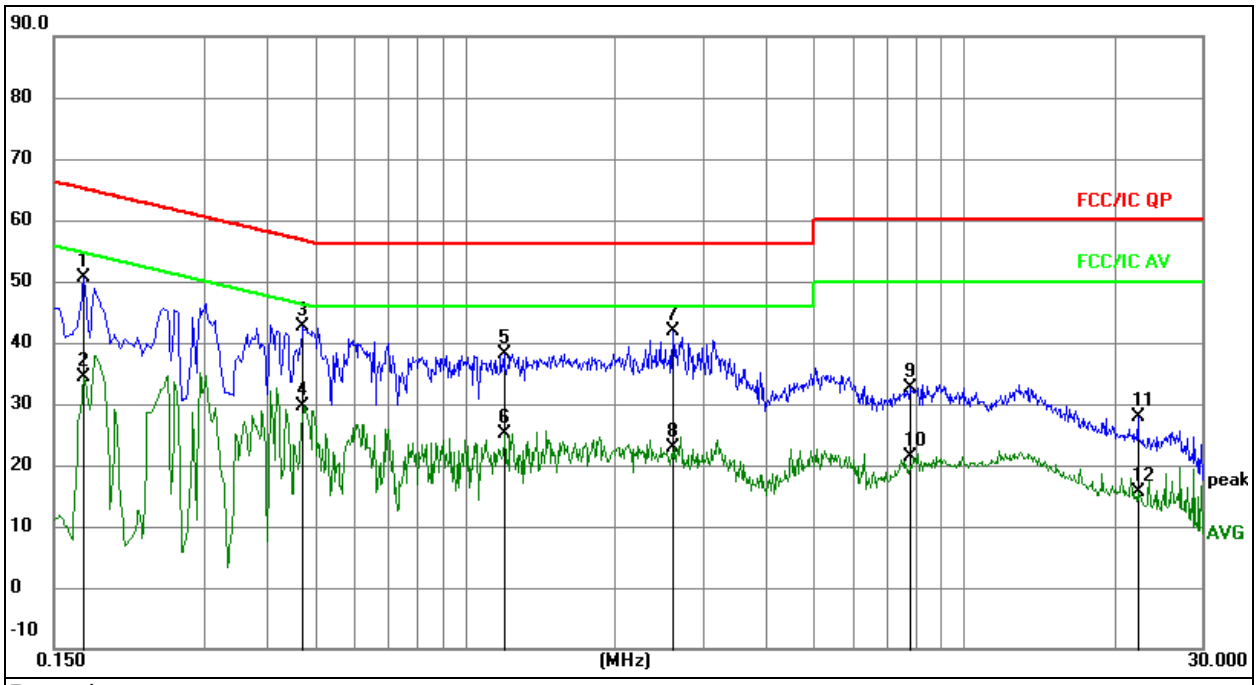
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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	*	0.3120	40.86	9.61	50.47	59.92	-9.45	QP
2		0.3120	28.32	9.61	37.93	49.92	-11.99	AVG
3		0.5864	34.08	9.62	43.70	56.00	-12.30	QP
4		0.5864	22.11	9.62	31.73	46.00	-14.27	AVG
5		1.3874	29.75	9.73	39.48	56.00	-16.52	QP
6		1.3874	14.81	9.73	24.54	46.00	-21.46	AVG
7		3.3765	35.33	9.81	45.14	56.00	-10.86	QP
8		3.3765	19.93	9.81	29.74	46.00	-16.26	AVG
9		7.2600	26.32	9.73	36.05	60.00	-23.95	QP
10		7.2600	16.01	9.73	25.74	50.00	-24.26	AVG
11		27.1410	17.69	9.72	27.41	60.00	-32.59	QP
12		27.1410	9.32	9.72	19.04	50.00	-30.96	AVG

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



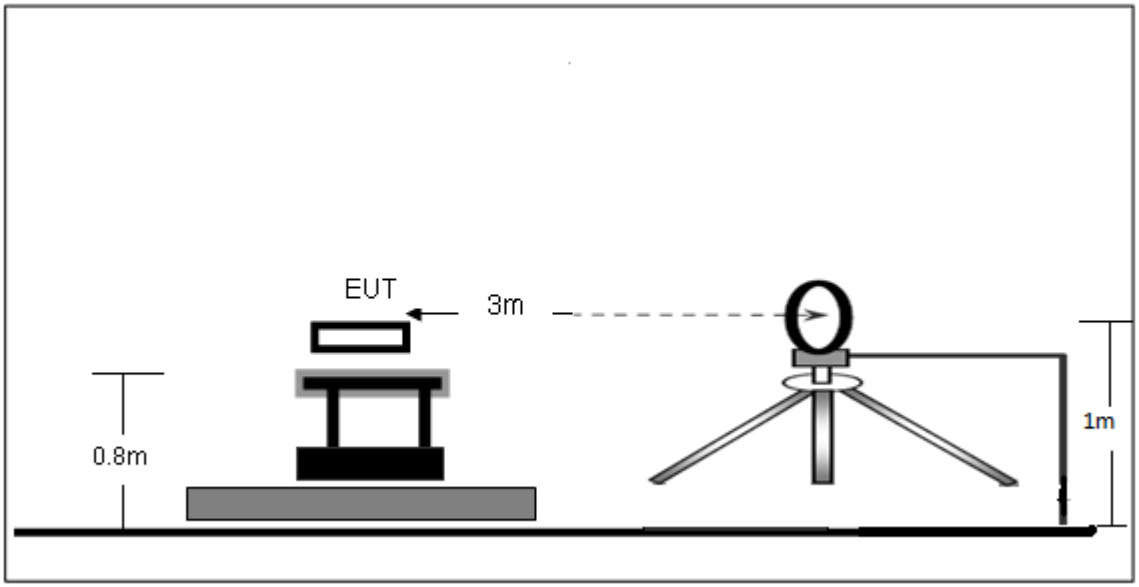
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1720	40.98	9.55	50.53	64.86	-14.33	QP
2		0.1720	24.71	9.55	34.26	54.86	-20.60	AVG
3	*	0.4736	32.94	9.62	42.56	56.45	-13.89	QP
4		0.4736	19.92	9.62	29.54	46.45	-16.91	AVG
5		1.1970	28.38	9.73	38.11	56.00	-17.89	QP
6		1.1970	15.41	9.73	25.14	46.00	-20.86	AVG
7		2.6082	32.13	9.76	41.89	56.00	-14.11	QP
8		2.6082	13.11	9.76	22.87	46.00	-23.13	AVG
9		7.8101	22.80	9.72	32.52	60.00	-27.48	QP
10		7.8101	11.57	9.72	21.29	50.00	-28.71	AVG
11		22.2977	18.17	9.76	27.93	60.00	-32.07	QP
12		22.2977	5.81	9.76	15.57	50.00	-34.43	AVG

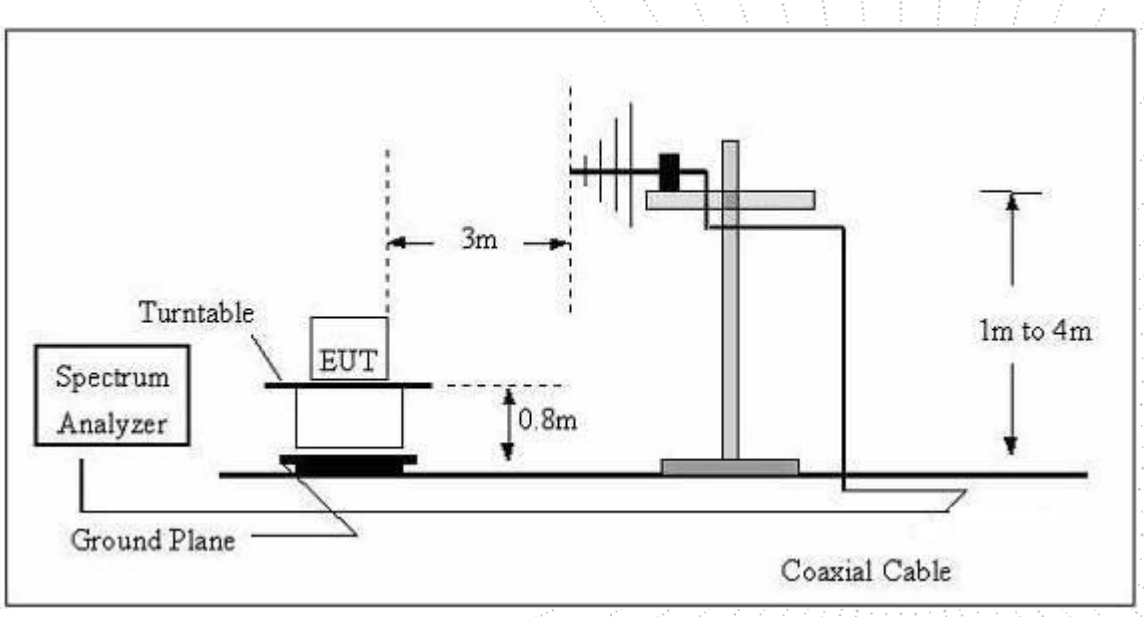
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

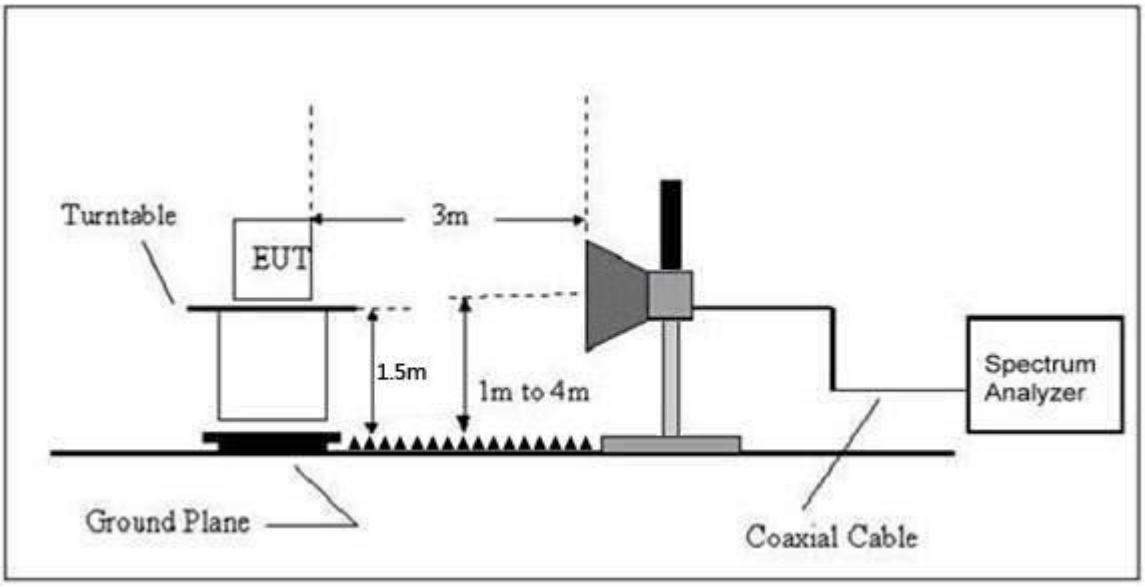
（A）Radiated Emission Test-Up Frequency Below 30MHz



（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

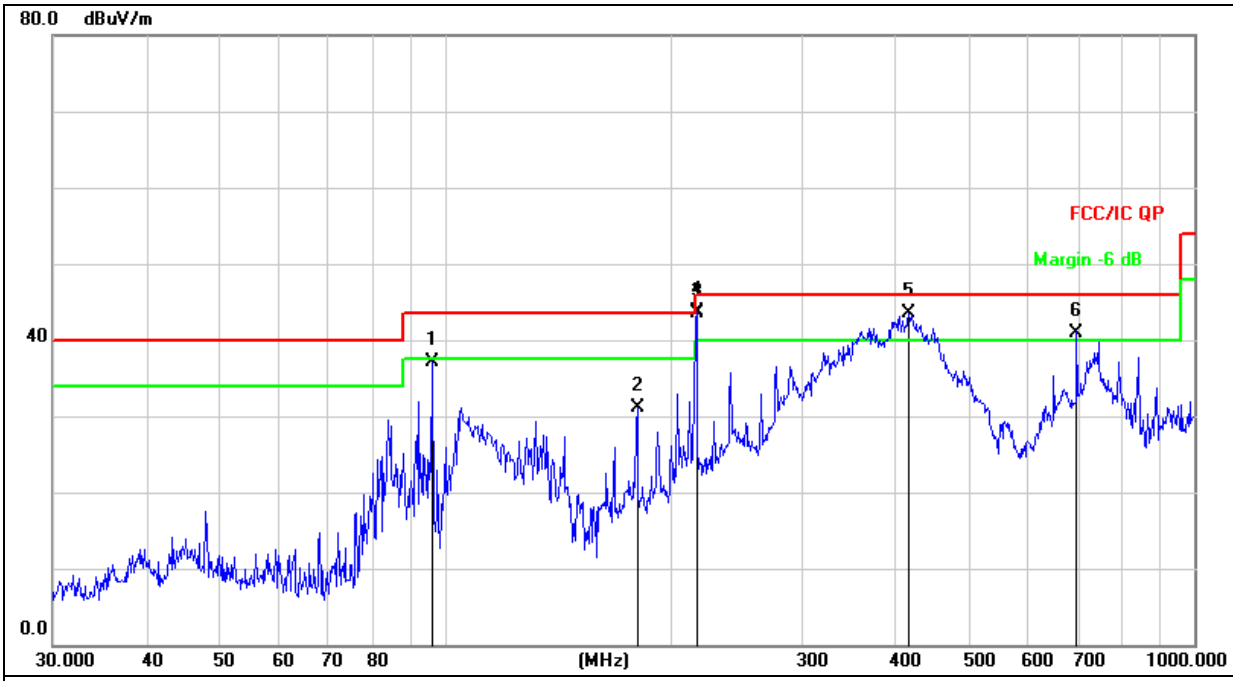
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	---

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

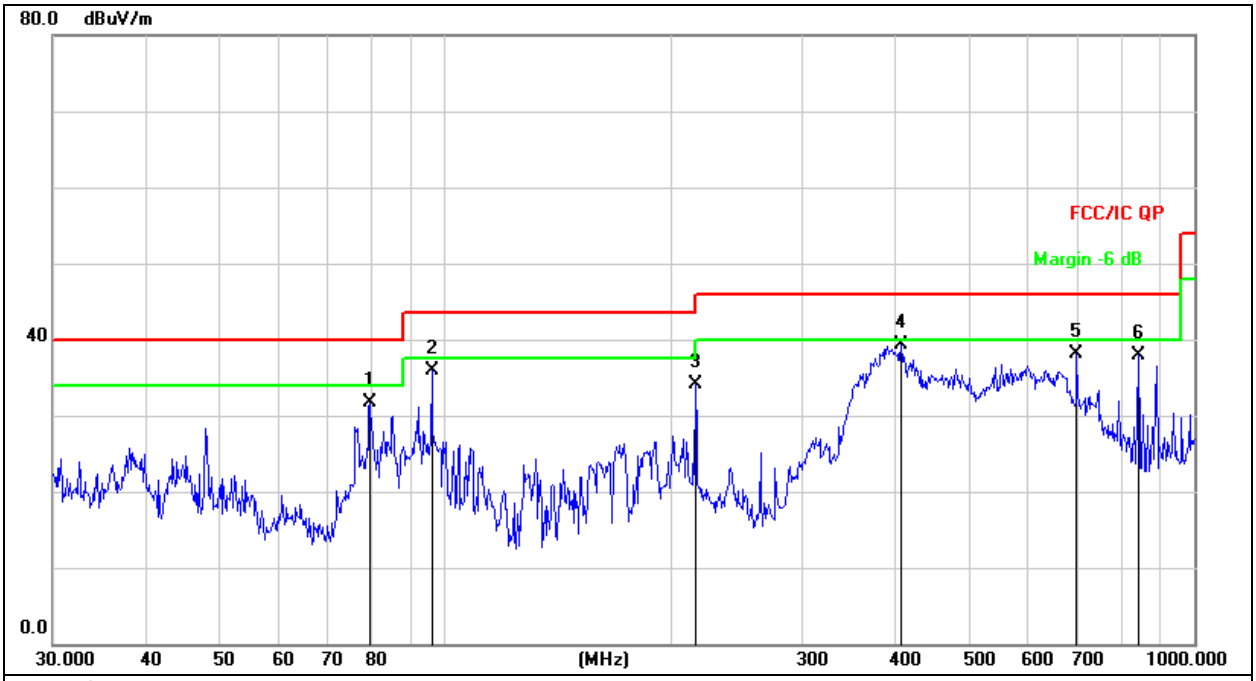
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



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		96.0986	55.34	-18.33	37.01	43.50	-6.49	QP
2		180.6488	49.80	-18.79	31.01	43.50	-12.49	QP
3	!	216.3428	60.40	-16.87	43.53	46.00	-2.47	QP
4	*	216.7828	60.49	-16.85	43.64	46.00	-2.36	QP
5	!	416.1791	55.43	-11.98	43.45	46.00	-2.55	QP
6	!	696.8567	48.22	-7.22	41.00	46.00	-5.00	QP

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage :	AC120V/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		79.5209	53.25	-21.48	31.77	40.00	-8.23	QP
2		96.0986	54.16	-18.33	35.83	43.50	-7.67	QP
3		216.0240	51.00	-16.88	34.12	46.00	-11.88	QP
4	*	406.0880	51.33	-12.12	39.21	46.00	-6.79	QP
5		696.8567	45.42	-7.22	38.20	46.00	-7.80	QP
6		842.1296	43.04	-5.22	37.82	46.00	-8.18	QP

Between 1GHz – 40GHz

Test Mode:	TX(5.1G) - 802.11a

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G							
V	4434.166	72.93	-20.73	52.20	68.2	-16.00	PK
V	4434.166	59.95	-20.73	39.22	54	-14.78	AV
V	10360.054	61.71	-9.36	52.35	68.2	-15.85	PK
V	10360.054	49.36	-9.36	40.00	54	-14.00	AV
V	15540.186	60.53	-7.84	52.69	74	-21.31	PK
V	15540.186	49.86	-7.84	42.02	54	-11.98	AV
H	4434.152	70.21	-20.73	49.48	68.2	-18.72	PK
H	4434.152	59.94	-20.73	39.21	54	-14.79	AV
H	10360.199	60.64	-9.36	51.28	68.2	-16.92	PK
H	10360.199	49.20	-9.36	39.84	54	-14.16	AV
H	15540.161	63.90	-7.84	56.06	74	-17.94	PK
H	15540.161	49.85	-7.84	42.01	54	-11.99	AV
Middle Channel (5200 MHz)-Above 1G							
V	4592.073	74.14	-20.42	53.72	74	-20.28	PK
V	4592.073	59.88	-20.42	39.47	54	-14.53	AV
V	10400.063	61.17	-9.30	51.87	68.2	-16.33	PK
V	10400.063	49.18	-9.30	39.88	54	-14.12	AV
V	15600.037	62.88	-7.82	55.06	74	-18.94	PK
V	15600.037	49.40	-7.82	41.58	54	-12.42	AV
H	4592.149	73.75	-20.42	53.33	74	-20.67	PK
H	4592.149	59.15	-20.42	38.73	54	-15.27	AV
H	10400.084	62.07	-9.30	52.77	68.2	-15.43	PK
H	10400.084	49.41	-9.30	40.11	54	-13.89	AV
H	15600.028	64.20	-7.82	56.38	74	-17.62	PK
H	15600.028	49.94	-7.82	42.12	54	-11.88	AV
High Channel (5240 MHz)-Above 1G							
V	4739.017	70.35	-20.12	50.23	74	-23.77	PK
V	4739.017	59.99	-20.12	39.87	54	-14.13	AV
V	10480.151	60.40	-9.18	51.22	68.2	-16.98	PK
V	10480.151	49.53	-9.18	40.35	54	-13.65	AV
V	15720.090	60.68	-7.78	52.90	74	-21.10	PK
V	15720.090	49.75	-7.78	41.97	54	-12.03	AV
H	4739.104	72.72	-20.12	52.59	74	-21.41	PK
H	4739.104	59.11	-20.12	38.99	54	-15.01	AV
H	10480.083	61.34	-9.18	52.16	68.2	-16.04	PK
H	10480.083	49.73	-9.18	40.55	54	-13.45	AV
H	15720.128	61.34	-7.78	53.56	74	-20.44	PK
H	15720.128	49.85	-7.78	42.07	54	-11.93	AV

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

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

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G							
V	4434.101	71.42	-20.73	50.69	68.2	-17.51	PK
V	4434.101	59.95	-20.73	39.22	54	-14.78	AV
V	10360.044	62.24	-9.36	52.88	68.2	-15.32	PK
V	10360.044	49.10	-9.36	39.74	54	-14.26	AV
V	15540.150	60.83	-7.84	52.99	74	-21.01	PK
V	15540.150	49.54	-7.84	41.70	54	-12.30	AV
H	4434.190	71.39	-20.73	50.66	68.2	-17.54	PK
H	4434.190	59.69	-20.73	38.96	54	-15.04	AV
H	10360.027	63.52	-9.36	54.16	68.2	-14.04	PK
H	10360.027	49.77	-9.36	40.41	54	-13.59	AV
H	15540.110	62.97	-7.84	55.13	74	-18.87	PK
H	15540.110	49.33	-7.84	41.49	54	-12.51	AV
Middle Channel (5200 MHz)-Above 1G							
V	4592.157	71.99	-20.42	51.58	74	-22.42	PK
V	4592.157	59.30	-20.42	38.88	54	-15.12	AV
V	10400.159	63.96	-9.30	54.66	68.2	-13.54	PK
V	10400.159	49.13	-9.30	39.83	54	-14.17	AV
V	15600.038	63.18	-7.82	55.36	74	-18.64	PK
V	15600.038	49.11	-7.82	41.29	54	-12.71	AV
H	4592.118	72.41	-20.42	51.99	74	-22.01	PK
H	4592.118	59.08	-20.42	38.66	54	-15.34	AV
H	10400.186	64.99	-9.30	55.69	68.2	-12.51	PK
H	10400.186	49.00	-9.30	39.70	54	-14.30	AV
H	15600.067	63.33	-7.82	55.51	74	-18.49	PK
H	15600.067	49.85	-7.82	42.03	54	-11.97	AV
High Channel (5240 MHz)-Above 1G							
V	4739.069	70.22	-20.12	50.10	74	-23.90	PK
V	4739.069	59.22	-20.12	39.10	54	-14.90	AV
V	10480.092	64.57	-9.18	55.39	68.2	-12.81	PK
V	10480.092	49.03	-9.18	39.85	54	-14.15	AV
V	15720.079	64.51	-7.78	56.73	74	-17.27	PK
V	15720.079	49.72	-7.78	41.94	54	-12.06	AV
H	4739.133	70.98	-20.12	50.86	74	-23.14	PK
H	4739.133	59.74	-20.12	39.62	54	-14.38	AV
H	10480.124	62.87	-9.18	53.69	68.2	-14.51	PK
H	10480.124	49.63	-9.18	40.45	54	-13.55	AV
H	15720.084	64.78	-7.78	57.00	74	-17.00	PK
H	15720.084	49.85	-7.78	42.07	54	-11.93	AV

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

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

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G							
V	4434.010	73.40	-20.73	52.67	68.2	-15.53	PK
V	4434.010	59.96	-20.73	39.23	54	-14.77	AV
V	10380.136	61.06	-9.33	51.73	68.2	-16.47	PK
V	10380.136	50.00	-9.33	40.67	54	-13.33	AV
V	15570.102	60.49	-7.83	52.66	74	-21.34	PK
V	15570.102	49.58	-7.83	41.75	54	-12.25	AV
H	4434.173	72.83	-20.73	52.09	74	-21.91	PK
H	4434.173	59.97	-20.73	39.23	54	-14.77	AV
H	10380.158	60.36	-9.33	51.03	68.2	-17.17	PK
H	10380.158	49.26	-9.33	39.93	54	-14.07	AV
H	15570.066	60.07	-7.83	52.24	74	-21.76	PK
H	15570.066	49.35	-7.83	41.52	54	-12.48	AV
High Channel (5230 MHz)-Above 1G							
V	4739.194	74.52	-20.12	54.40	68.2	-13.80	PK
V	4739.194	59.46	-20.12	39.34	54	-14.66	AV
V	10460.140	60.87	-9.21	51.66	68.2	-16.54	PK
V	10460.140	49.91	-9.21	40.70	54	-13.30	AV
V	15690.141	60.19	-7.79	52.40	74	-21.60	PK
V	15690.141	49.11	-7.79	41.32	54	-12.68	AV
H	4739.178	70.26	-20.12	50.13	68.2	-18.07	PK
H	4739.178	59.03	-20.12	38.91	54	-15.09	AV
H	10460.035	64.91	-9.21	55.70	68.2	-12.50	PK
H	10460.035	49.43	-9.21	40.22	54	-13.78	AV
H	15690.057	62.98	-7.79	55.19	74	-18.81	PK
H	15690.057	49.66	-7.79	41.87	54	-12.13	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)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G							
V	4434.098	72.48	-20.73	51.74	68.2	-16.46	PK
V	4434.098	59.50	-20.73	38.77	54	-15.23	AV
V	10360.064	60.30	-9.36	50.94	68.2	-17.26	PK
V	10360.064	49.48	-9.36	40.12	54	-13.88	AV
V	15540.051	63.07	-7.84	55.23	74	-18.77	PK
V	15540.051	49.63	-7.84	41.79	54	-12.21	AV
H	4434.013	72.84	-20.73	52.11	68.2	-16.09	PK
H	4434.013	59.21	-20.73	38.48	54	-15.52	AV
H	10360.141	60.65	-9.36	51.29	68.2	-16.91	PK
H	10360.141	49.06	-9.36	39.70	54	-14.30	AV
H	15540.018	60.84	-7.84	53.00	74	-21.00	PK
H	15540.018	49.10	-7.84	41.26	54	-12.74	AV
Middle Channel (5200 MHz)-Above 1G							
V	4592.014	72.70	-20.42	52.28	74	-21.72	PK
V	4592.014	59.01	-20.42	38.59	54	-15.41	AV
V	10400.002	61.68	-9.30	52.38	68.2	-15.82	PK
V	10400.002	49.78	-9.30	40.48	54	-13.52	AV
V	15600.187	60.54	-7.82	52.72	74	-21.28	PK
V	15600.187	49.23	-7.82	41.41	54	-12.59	AV
H	4592.094	71.39	-20.42	50.98	74	-23.02	PK
H	4592.094	59.96	-20.42	39.55	54	-14.45	AV
H	10400.084	60.07	-9.30	50.77	68.2	-17.43	PK
H	10400.084	49.79	-9.30	40.49	54	-13.51	AV
H	15600.025	62.68	-7.82	54.86	74	-19.14	PK
H	15600.025	49.70	-7.82	41.88	54	-12.12	AV
High Channel (5240 MHz)-Above 1G							
V	4739.197	73.01	-20.12	52.89	74	-21.11	PK
V	4739.197	59.77	-20.12	39.65	54	-14.35	AV
V	10480.134	61.85	-9.18	52.67	68.2	-15.53	PK
V	10480.134	49.80	-9.18	40.62	54	-13.38	AV
V	15720.144	60.25	-7.78	52.47	74	-21.53	PK
V	15720.144	49.46	-7.78	41.68	54	-12.32	AV
H	4739.042	70.71	-20.12	50.59	74	-23.41	PK
H	4739.042	59.68	-20.12	39.56	54	-14.44	AV
H	10480.031	61.16	-9.18	51.98	68.2	-16.22	PK
H	10480.031	49.97	-9.18	40.79	54	-13.21	AV
H	15720.171	60.43	-7.78	52.65	74	-21.35	PK
H	15720.171	49.42	-7.78	41.64	54	-12.36	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 (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G							
V	4434.196	70.46	-20.73	49.73	68.2	-18.47	PK
V	4434.196	59.43	-20.73	38.70	54	-15.30	AV
V	10380.045	64.49	-9.33	55.16	68.2	-13.04	PK
V	10380.045	49.30	-9.33	39.97	54	-14.03	AV
V	15570.069	63.57	-7.83	55.74	74	-18.26	PK
V	15570.069	49.30	-7.83	41.47	54	-12.53	AV
H	4434.091	71.89	-20.73	51.16	74	-22.84	PK
H	4434.091	59.88	-20.73	39.14	54	-14.86	AV
H	10380.028	61.65	-9.33	52.32	68.2	-15.88	PK
H	10380.028	49.40	-9.33	40.07	54	-13.93	AV
H	15570.099	61.69	-7.83	53.86	74	-20.14	PK
H	15570.099	49.96	-7.83	42.13	54	-11.87	AV
High Channel (5230 MHz)-Above 1G							
V	4739.065	70.60	-20.12	50.48	68.2	-17.72	PK
V	4739.065	59.18	-20.12	39.05	54	-14.95	AV
V	10460.170	64.07	-9.21	54.86	68.2	-13.34	PK
V	10460.170	49.03	-9.21	39.82	54	-14.18	AV
V	15690.148	64.95	-7.79	57.16	74	-16.84	PK
V	15690.148	49.80	-7.79	42.01	54	-11.99	AV
H	4739.198	72.17	-20.12	52.05	68.2	-16.15	PK
H	4739.198	59.74	-20.12	39.62	54	-14.38	AV
H	10460.187	62.04	-9.21	52.83	68.2	-15.37	PK
H	10460.187	49.84	-9.21	40.63	54	-13.37	AV
H	15690.130	63.38	-7.79	55.59	74	-18.41	PK
H	15690.130	49.42	-7.79	41.63	54	-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) - 802.11ac-HT80

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
(5210 MHz)-Above 1G							
V	4434.038	73.60	-20.73	52.87	68.2	-15.33	PK
V	4434.038	59.22	-20.73	38.49	54	-15.51	AV
V	10420.182	63.82	-9.27	54.55	68.2	-13.65	PK
V	10420.182	49.98	-9.27	40.71	54	-13.29	AV
V	15630.025	64.76	-7.81	56.95	74	-17.05	PK
V	15630.025	49.35	-7.81	41.54	54	-12.46	AV
H	4434.133	74.53	-20.73	53.80	68.2	-14.40	PK
H	4434.133	59.52	-20.73	38.79	54	-15.21	AV
H	10420.146	54.71	9.27	63.98	68.2	-4.22	PK
H	10420.146	39.02	9.27	48.29	54	-5.71	AV
H	15630.019	63.83	-7.81	56.02	74	-17.98	PK
H	15630.019	49.82	-7.81	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) - 802.11a

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G							
V	4679.166	71.97	-20.24	51.73	74	-22.27	PK
V	4679.166	59.65	-20.24	39.40	54	-14.60	AV
V	11490.056	61.84	-8.79	53.05	68.2	-15.15	PK
V	11490.056	49.56	-8.79	40.77	54	-13.23	AV
V	17235.087	59.38	-3.18	56.20	68.2	-12.00	PK
V	17235.087	44.54	-3.18	41.36	54	-12.64	AV
H	4679.142	70.67	-20.73	49.94	74	-24.06	PK
H	4679.142	59.87	-20.73	39.14	54	-14.86	AV
H	11490.151	61.39	-8.79	52.60	68.2	-15.60	PK
H	11490.151	49.84	-8.79	41.05	54	-12.95	AV
H	17235.051	55.79	-3.18	52.61	68.2	-15.59	PK
H	17235.051	44.39	-3.18	41.21	54	-12.79	AV
Middle Channel (5785 MHz)-Above 1G							
V	4592.156	72.01	-20.42	51.60	74	-22.40	PK
V	4592.156	59.49	-20.42	39.08	54	-14.92	AV
V	11570.170	63.22	-8.86	54.36	68.2	-13.84	PK
V	11570.170	49.76	-8.86	40.90	54	-13.10	AV
V	17355.085	56.93	-2.52	54.41	68.2	-13.79	PK
V	17355.085	44.58	-2.52	42.06	54	-11.94	AV
H	4592.081	73.95	-20.42	53.54	74	-20.46	PK
H	4592.081	59.74	-20.42	39.32	54	-14.68	AV
H	11570.119	62.63	-8.86	53.77	68.2	-14.43	PK
H	11570.119	49.48	-8.86	40.62	54	-13.38	AV
H	17355.032	55.91	-2.52	53.39	68.2	-14.81	PK
H	17355.032	44.36	-2.52	41.84	54	-12.16	AV
High Channel (5825 MHz)-Above 1G							
V	6039.131	70.60	-18.93	51.67	68.2	-16.53	PK
V	6039.131	59.59	-18.93	40.66	54	-13.34	AV
V	11650.098	61.23	-8.92	52.31	74	-21.69	PK
V	11650.098	49.80	-8.92	40.88	54	-13.12	AV
V	17475.178	55.16	-1.86	53.30	68.2	-14.90	PK
V	17475.178	44.86	-1.86	43.00	54	-11.00	AV
H	6039.070	72.14	-18.93	53.21	68.2	-14.99	PK
H	6039.070	59.17	-18.93	40.23	54	-13.77	AV
H	11650.200	60.52	-8.92	51.60	74	-22.40	PK
H	11650.200	49.60	-8.92	40.68	54	-13.32	AV
H	17475.056	59.18	-1.86	57.32	68.2	-10.88	PK
H	17475.056	44.20	-1.86	42.34	54	-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.
The worst case is Antenna A.

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

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G							
V	4679.111	73.08	-20.24	52.84	74	-21.16	PK
V	4679.111	59.00	-20.24	38.76	54	-15.24	AV
V	11490.074	64.63	-8.79	55.84	68.2	-12.36	PK
V	11490.074	49.67	-8.79	40.88	54	-13.12	AV
V	17235.125	58.99	-3.18	55.81	68.2	-12.39	PK
V	17235.125	44.06	-3.18	40.88	54	-13.12	AV
H	4679.058	74.02	-20.24	53.78	74	-20.22	PK
H	4679.058	59.60	-20.24	39.36	54	-14.64	AV
H	11490.026	62.33	-8.79	53.54	68.2	-14.66	PK
H	11490.026	49.64	-8.79	40.85	54	-13.15	AV
H	17235.001	55.13	-3.18	51.95	68.2	-16.25	PK
H	17235.001	44.99	-3.18	41.81	54	-12.19	AV
Middle Channel (5785 MHz)-Above 1G							
V	4592.119	73.00	-20.42	52.58	74	-21.42	PK
V	4592.119	59.79	-20.42	39.38	54	-14.62	AV
V	11570.185	60.70	-8.86	51.84	68.2	-16.36	PK
V	11570.185	49.43	-8.86	40.57	54	-13.43	AV
V	17355.082	55.77	-2.52	53.25	68.2	-14.95	PK
V	17355.082	44.77	-2.52	42.25	54	-11.75	AV
H	4592.027	70.88	-20.42	50.47	74	-23.53	PK
H	4592.027	59.21	-20.42	38.80	54	-15.20	AV
H	11570.054	60.52	-8.86	51.66	68.2	-16.54	PK
H	11570.054	49.69	-8.86	40.83	54	-13.17	AV
H	17355.147	58.15	-2.52	55.63	68.2	-12.57	PK
H	17355.147	44.93	-2.52	42.41	54	-11.59	AV
High Channel (5825 MHz)-Above 1G							
V	6039.129	74.86	-18.93	55.93	68.2	-12.27	PK
V	6039.129	59.44	-18.93	40.51	54	-13.49	AV
V	11650.159	60.77	-8.92	51.85	74	-22.15	PK
V	11650.159	49.64	-8.92	40.72	54	-13.28	AV
V	17475.114	55.28	-1.86	53.42	68.2	-14.78	PK
V	17475.114	44.33	-1.86	42.47	54	-11.53	AV
H	6039.163	71.23	-18.93	52.30	68.2	-15.90	PK
H	6039.163	59.90	-18.93	40.97	54	-13.03	AV
H	11650.187	64.47	-8.92	55.55	74	-18.45	PK
H	11650.187	49.50	-8.92	40.58	54	-13.42	AV
H	17475.123	58.79	-1.86	56.93	68.2	-11.27	PK
H	17475.123	44.33	-1.86	42.47	54	-11.53	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 (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G							
V	4679.167	71.58	-20.24	51.34	74	-22.66	PK
V	4679.167	59.88	-20.24	39.64	54	-14.36	AV
V	11510.177	61.33	-8.81	52.52	74	-21.48	PK
V	11510.177	49.68	-8.81	40.87	54	-13.13	AV
V	17265.190	55.17	-3.01	52.16	68.2	-16.04	PK
V	17265.190	44.67	-3.01	41.66	54	-12.34	AV
H	4679.094	74.36	-20.24	54.12	74	-19.88	PK
H	4679.094	59.17	-20.24	38.93	54	-15.07	AV
H	11510.003	64.19	-8.81	55.38	74	-18.62	PK
H	11510.003	49.45	-8.81	40.64	54	-13.36	AV
H	17265.196	56.18	-3.01	53.17	68.2	-15.03	PK
H	17265.196	44.38	-3.01	41.37	54	-12.63	AV
High Channel (5795 MHz)-Above 1G							
V	6039.055	74.40	-18.93	55.47	68.2	-12.73	PK
V	6039.055	59.78	-18.93	40.84	54	-13.16	AV
V	11590.123	64.58	-8.87	55.71	74	-18.29	PK
V	11590.123	49.79	-8.87	40.92	54	-13.08	AV
V	17385.192	57.28	-2.35	54.93	68.2	-13.27	PK
V	17385.192	44.23	-2.35	41.88	54	-12.12	AV
H	6039.038	70.71	-18.93	51.78	68.2	-16.42	PK
H	6039.038	59.39	-18.93	40.45	54	-13.55	AV
H	11590.031	61.11	-8.87	52.24	74	-21.76	PK
H	11590.031	49.89	-8.87	41.02	54	-12.98	AV
H	17385.135	55.32	-2.35	52.97	68.2	-15.23	PK
H	17385.135	44.38	-2.35	42.03	54	-11.97	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 (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G							
V	4679.017	73.12	-20.24	52.88	74	-21.12	PK
V	4679.017	59.62	-20.24	39.37	54	-14.63	AV
V	11490.200	61.62	-8.79	52.83	68.2	-15.37	PK
V	11490.200	49.80	-8.79	41.01	54	-12.99	AV
V	17235.116	55.17	-3.18	51.99	68.2	-16.21	PK
V	17235.116	44.83	-3.18	41.65	54	-12.35	AV
H	4679.087	72.78	-20.24	52.54	74	-21.46	PK
H	4679.087	59.25	-20.24	39.00	54	-15.00	AV
H	11490.185	62.74	-8.79	53.95	68.2	-14.25	PK
H	11490.185	49.41	-8.79	40.62	54	-13.38	AV
H	17235.006	57.36	-3.18	54.18	68.2	-14.02	PK
H	17235.006	44.52	-3.18	41.34	54	-12.66	AV
Middle Channel (5785 MHz)-Above 1G							
V	4592.056	72.32	-20.42	51.90	74	-22.10	PK
V	4592.056	59.75	-20.42	39.33	54	-14.67	AV
V	11570.176	64.34	-8.86	55.48	68.2	-12.72	PK
V	11570.176	49.18	-8.86	40.32	54	-13.68	AV
V	17355.193	59.70	-2.52	57.18	68.2	-11.02	PK
V	17355.193	44.30	-2.52	41.78	54	-12.22	AV
H	4592.001	74.67	-20.42	54.26	74	-19.74	PK
H	4592.001	59.66	-20.42	39.24	54	-14.76	AV
H	11570.016	60.94	-8.86	52.08	68.2	-16.12	PK
H	11570.016	49.64	-8.86	40.78	54	-13.22	AV
H	17355.079	55.61	-2.52	53.09	68.2	-15.11	PK
H	17355.079	44.39	-2.52	41.87	54	-12.13	AV
High Channel (5825 MHz)-Above 1G							
V	6039.155	73.67	-18.93	54.74	68.2	-13.46	PK
V	6039.155	59.14	-18.93	40.21	54	-13.79	AV
V	11650.046	62.63	-8.92	53.71	74	-20.29	PK
V	11650.046	49.31	-8.92	40.39	54	-13.61	AV
V	17475.020	56.79	-1.86	54.93	68.2	-13.27	PK
V	17475.020	44.68	-1.86	42.82	54	-11.18	AV
H	6039.066	71.12	-18.93	52.19	68.2	-16.01	PK
H	6039.066	59.54	-18.93	40.61	54	-13.39	AV
H	11650.127	63.05	-8.92	54.13	74	-19.87	PK
H	11650.127	49.04	-8.92	40.12	54	-13.88	AV
H	17475.167	58.98	-1.86	57.12	68.2	-11.08	PK
H	17475.167	44.12	-1.86	42.26	54	-11.74	AV

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

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

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G							
V	4679.197	71.41	-20.24	51.17	74	-22.83	PK
V	4679.197	59.42	-20.24	39.18	54	-14.82	AV
V	11510.165	63.06	-8.81	54.25	74	-19.75	PK
V	11510.165	49.64	-8.81	40.83	54	-13.17	AV
V	17265.183	56.94	-3.01	53.93	68.2	-14.27	PK
V	17265.183	44.90	-3.01	41.89	54	-12.11	AV
H	4679.067	70.44	-20.24	50.20	74	-23.80	PK
H	4679.067	59.12	-20.24	38.87	54	-15.13	AV
H	11510.078	62.79	-8.81	53.98	74	-20.02	PK
H	11510.078	49.43	-8.81	40.62	54	-13.38	AV
H	17265.035	55.95	-3.01	52.94	68.2	-15.26	PK
H	17265.035	44.07	-3.01	41.06	54	-12.94	AV
High Channel (5795 MHz)-Above 1G							
V	6039.190	73.57	-18.93	54.64	68.2	-13.56	PK
V	6039.190	59.99	-18.93	41.05	54	-12.95	AV
V	11590.097	62.69	-8.87	53.82	74	-20.18	PK
V	11590.097	49.79	-8.87	40.92	54	-13.08	AV
V	17385.189	57.36	-2.35	55.01	68.2	-13.19	PK
V	17385.189	44.19	-2.35	41.84	54	-12.16	AV
H	6039.017	70.05	-18.93	51.12	68.2	-17.08	PK
H	6039.017	59.32	-18.93	40.39	54	-13.61	AV
H	11590.161	63.89	-8.87	55.02	74	-18.98	PK
H	11590.161	49.59	-8.87	40.72	54	-13.28	AV
H	17385.093	57.19	-2.35	54.84	68.2	-13.36	PK
H	17385.093	44.52	-2.35	42.17	54	-11.83	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.

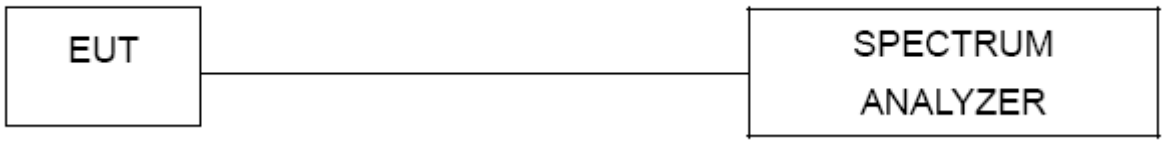
Test Mode:	TX(5.8G) - 802.11ac-HT80

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
(5775 MHz)-Above 1G							
V	4679.110	70.49	-20.24	50.25	74	-23.75	PK
V	4679.110	59.08	-20.24	38.83	54	-15.17	AV
V	11550.049	64.14	-8.84	55.30	74	-18.70	PK
V	11550.049	49.79	-8.84	40.95	54	-13.05	AV
V	17325.166	55.60	-2.68	52.92	68.2	-15.28	PK
V	17325.166	44.50	-2.68	41.82	54	-12.18	AV
H	4679.107	70.51	-20.24	50.27	74	-23.73	PK
H	4679.107	59.65	-20.24	39.41	54	-14.59	AV
H	11550.006	63.91	-8.84	55.07	74	-18.93	PK
H	11550.006	49.42	-8.84	40.58	54	-13.42	AV
H	17325.115	59.93	-2.68	57.25	68.2	-10.95	PK
H	17325.115	44.19	-2.68	41.51	54	-12.49	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 Wifi Repeater 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 Wifi Repeater 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 Wifi Repeaters 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:	AC 120V/60Hz
Test Mode:	(5180-5240MHz); (5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		EIRP PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B	Ant A	Ant B			
NVNT	a	5180	-8.39	-7.26	-6.21	-5.08	/	10	Pass
NVNT	a	5200	-8.20	-6.98	-6.02	-4.80	/	10	Pass
NVNT	a	5240	-8.26	-7.48	-6.08	-5.30	/	10	Pass
NVNT	n20	5180	-9.60	-7.52	-7.42	-5.34	-3.25	10	Pass
NVNT	n20	5200	-9.62	-7.60	-7.44	-5.42	-3.30	10	Pass
NVNT	n20	5240	-10.03	-8.12	-7.85	-5.94	-3.78	10	Pass
NVNT	n40	5190	-12.08	-11.46	-9.90	-9.28	-6.57	10	Pass
NVNT	n40	5230	-12.46	-11.23	-10.28	-9.05	-6.61	10	Pass
NVNT	ac20	5180	-9.82	-8.22	-7.64	-6.04	-3.76	10	Pass
NVNT	ac20	5200	-9.65	-7.91	-7.47	-5.73	-3.50	10	Pass
NVNT	ac20	5240	-9.97	-8.09	-7.79	-5.91	-3.74	10	Pass
NVNT	ac40	5190	-12.34	-11.11	-10.16	-8.93	-6.49	10	Pass
NVNT	ac40	5230	-13.18	-11.64	-11.00	-9.46	-7.15	10	Pass
NVNT	ac80	5210	-16.02	-15.21	-13.84	-13.03	-10.41	10	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/500KHz)		Total (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
			Ant A	Ant B			
NVNT	a	5745	-11.57	-10.71	/	30	Pass
NVNT	a	5785	-11.77	-10.49	/	30	Pass
NVNT	a	5825	-12.95	-11.31	/	30	Pass
NVNT	n20	5745	-12.75	-12.14	-9.42	30	Pass
NVNT	n20	5785	-13.26	-12.12	-9.64	30	Pass
NVNT	n20	5825	-13.98	-12.70	-10.28	30	Pass
NVNT	n40	5755	-16.18	-15.93	-13.04	30	Pass
NVNT	n40	5795	-16.56	-15.86	-13.19	30	Pass
NVNT	ac20	5745	-12.87	-12.05	-9.43	30	Pass
NVNT	ac20	5785	-12.68	-12.11	-9.38	30	Pass
NVNT	ac20	5825	-13.65	-12.90	-10.25	30	Pass
NVNT	ac40	5755	-16.24	-15.88	-13.05	30	Pass
NVNT	ac40	5795	-16.69	-15.91	-13.27	30	Pass
NVNT	ac80	5775	-19.15	-18.93	-16.03	30	Pass

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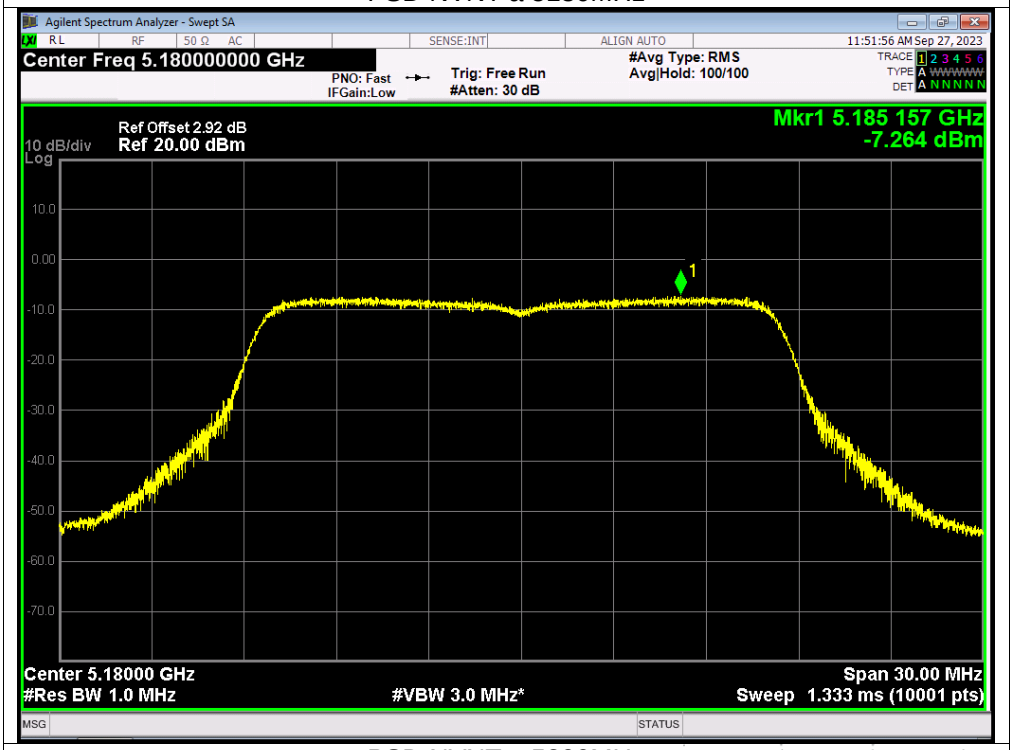
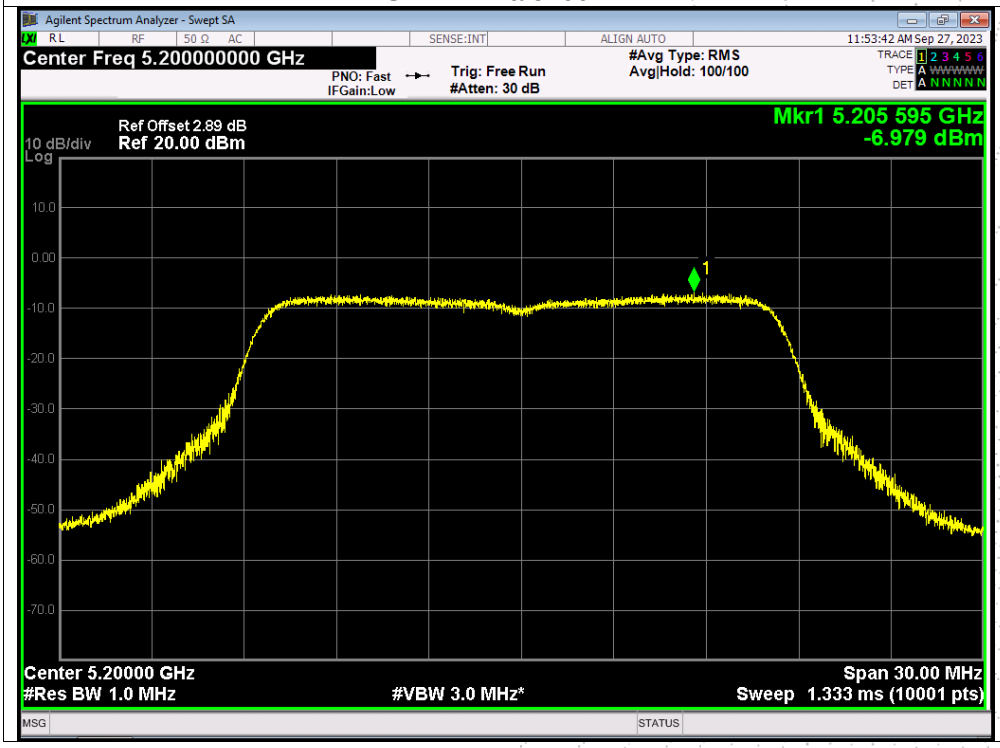
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

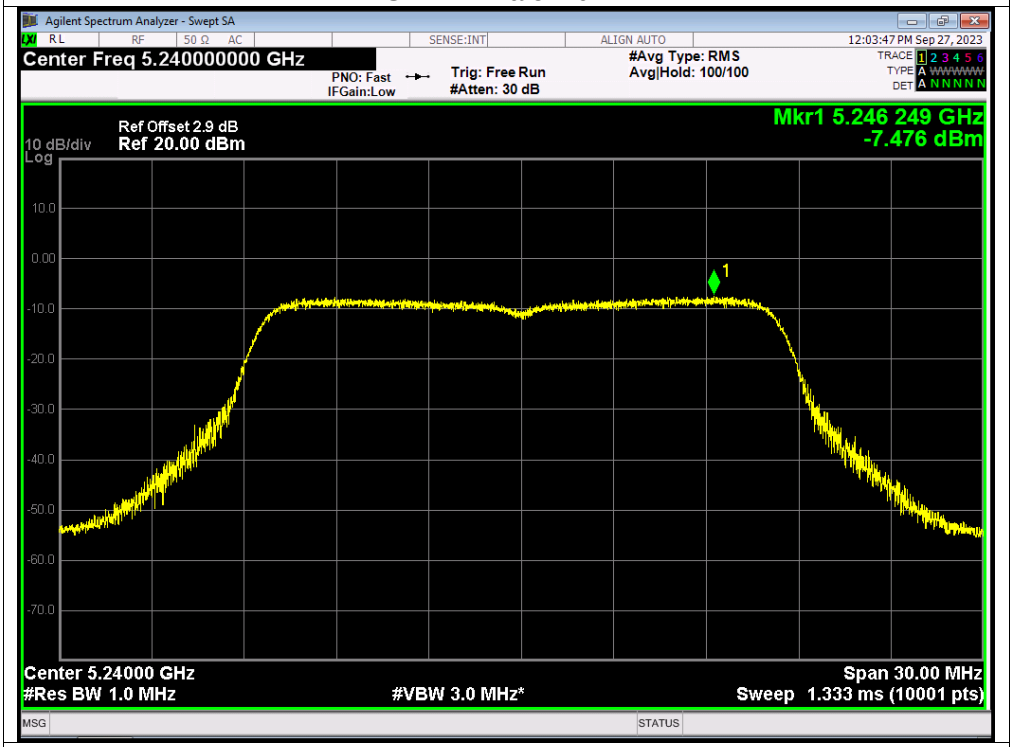
Test Graphs
PSD NVNT a 5180MHz



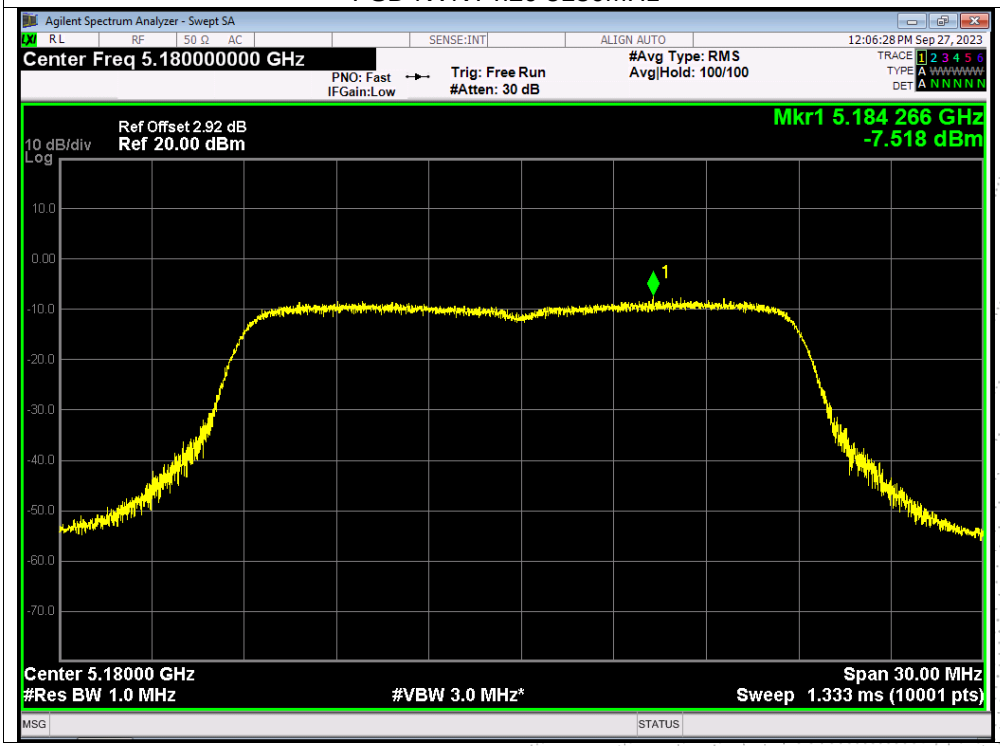
PSD NVNT a 5200MHz



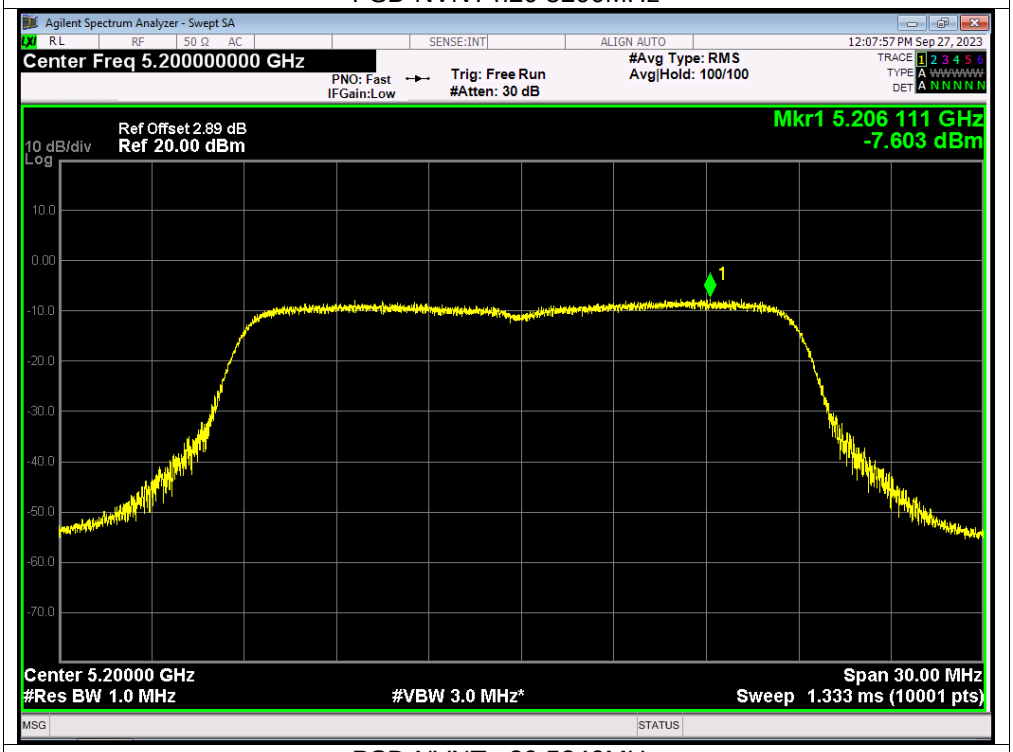
PSD NVNT a 5240MHz



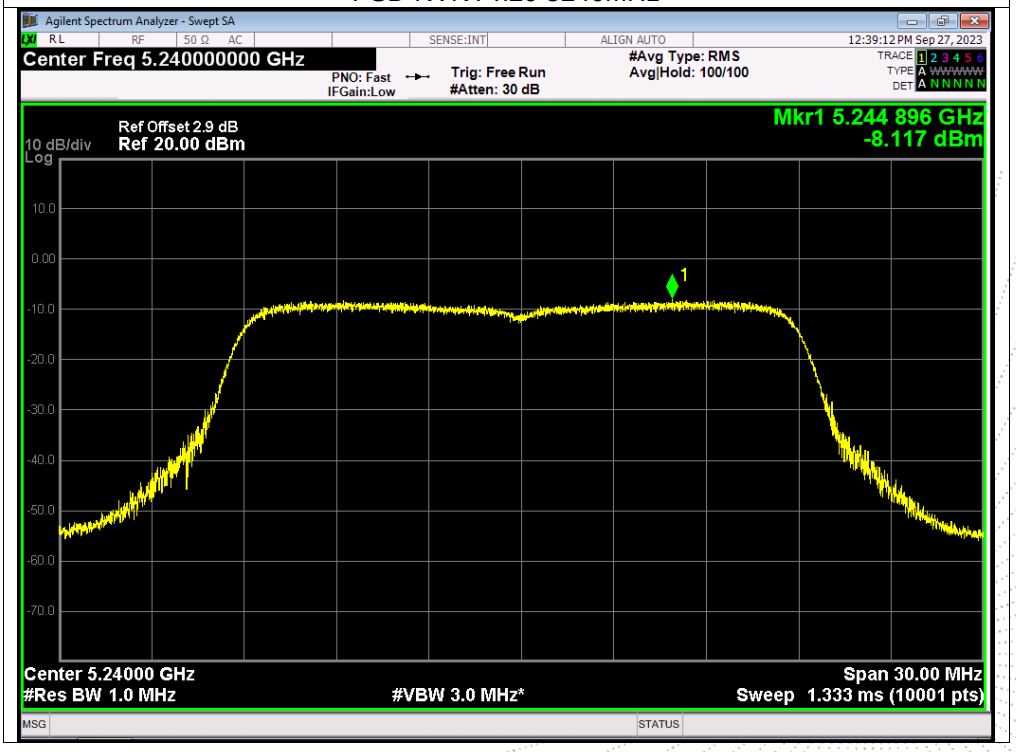
PSD NVNT n20 5180MHz



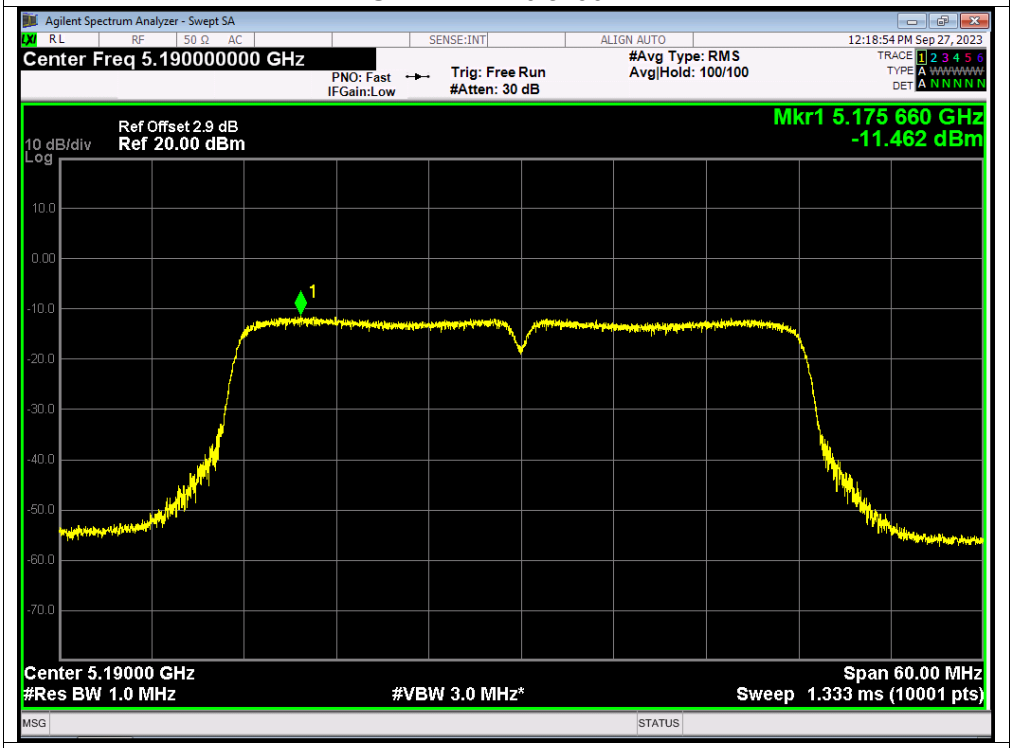
PSD NVNT n20 5200MHz



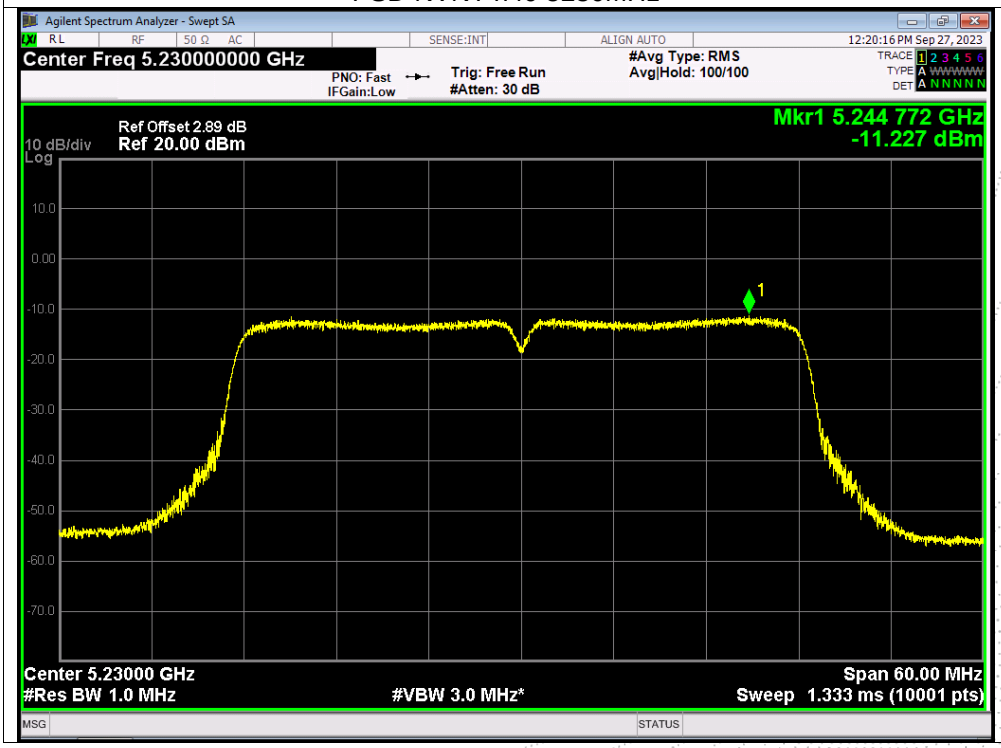
PSD NVNT n20 5240MHz



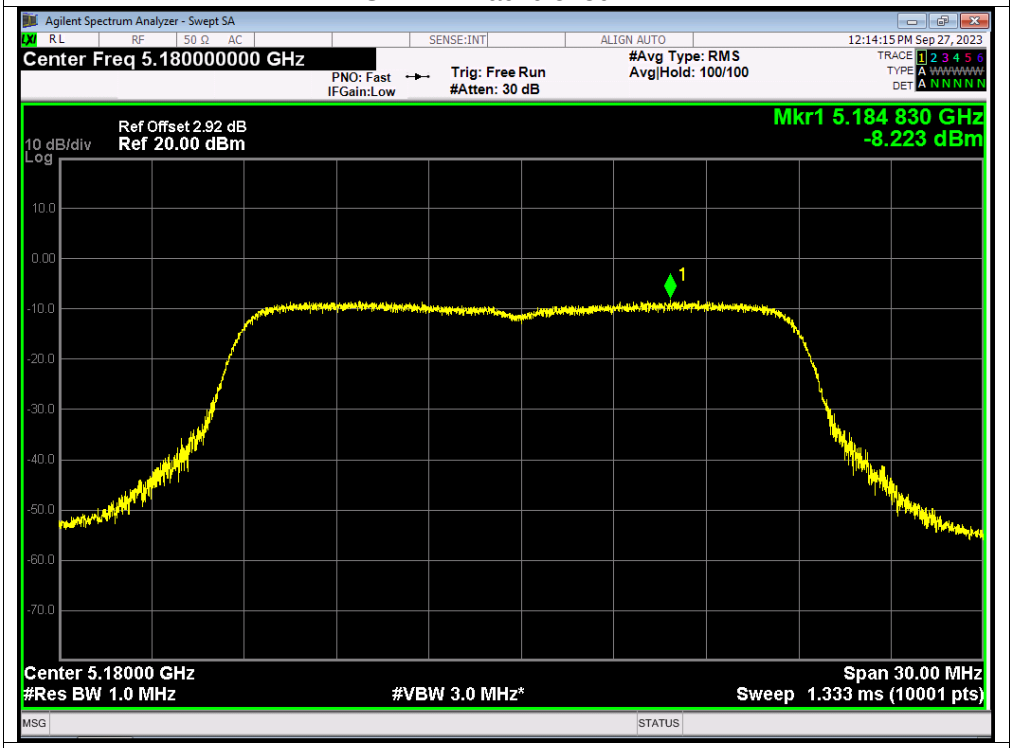
PSD NVNT n40 5190MHz



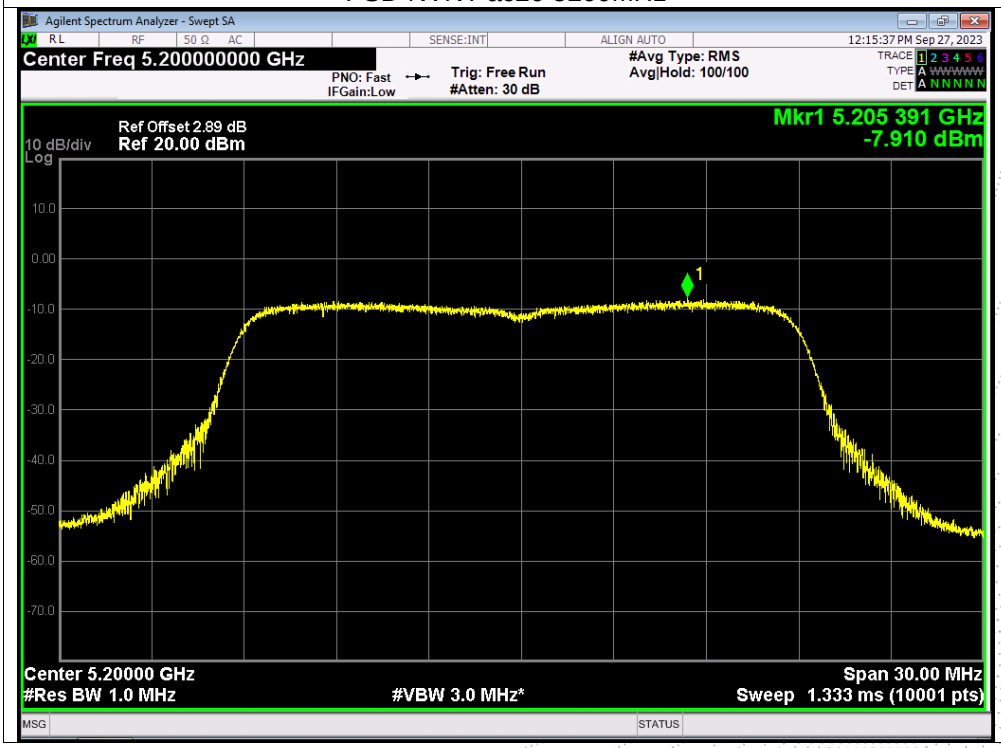
PSD NVNT n40 5230MHz



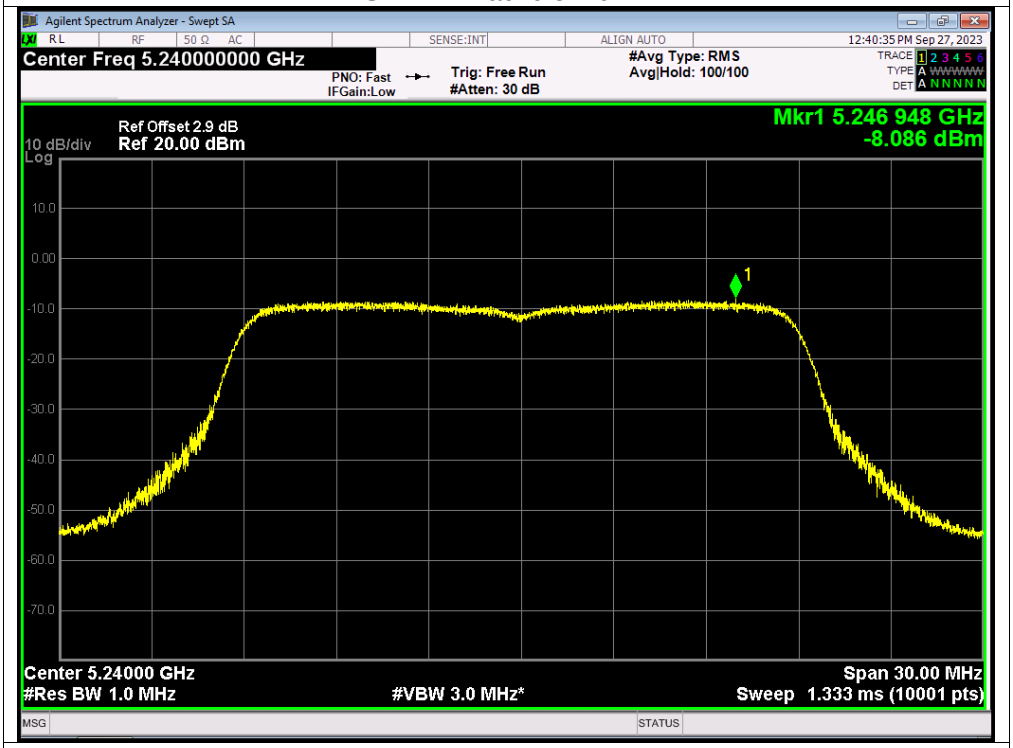
PSD NVNT ac20 5180MHz



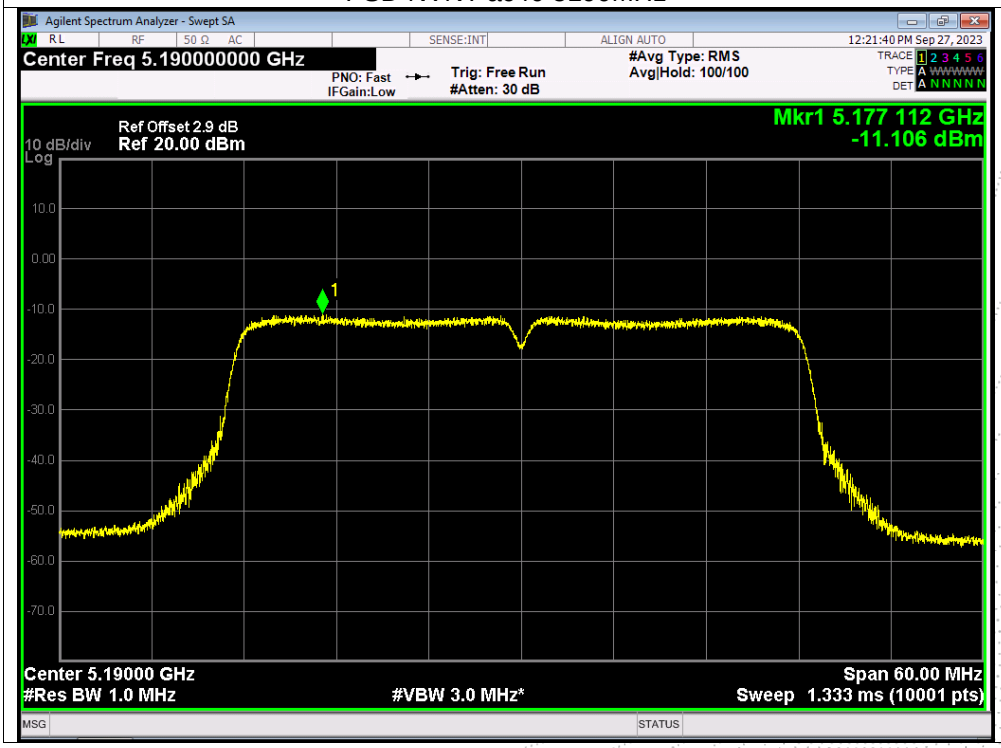
PSD NVNT ac20 5200MHz



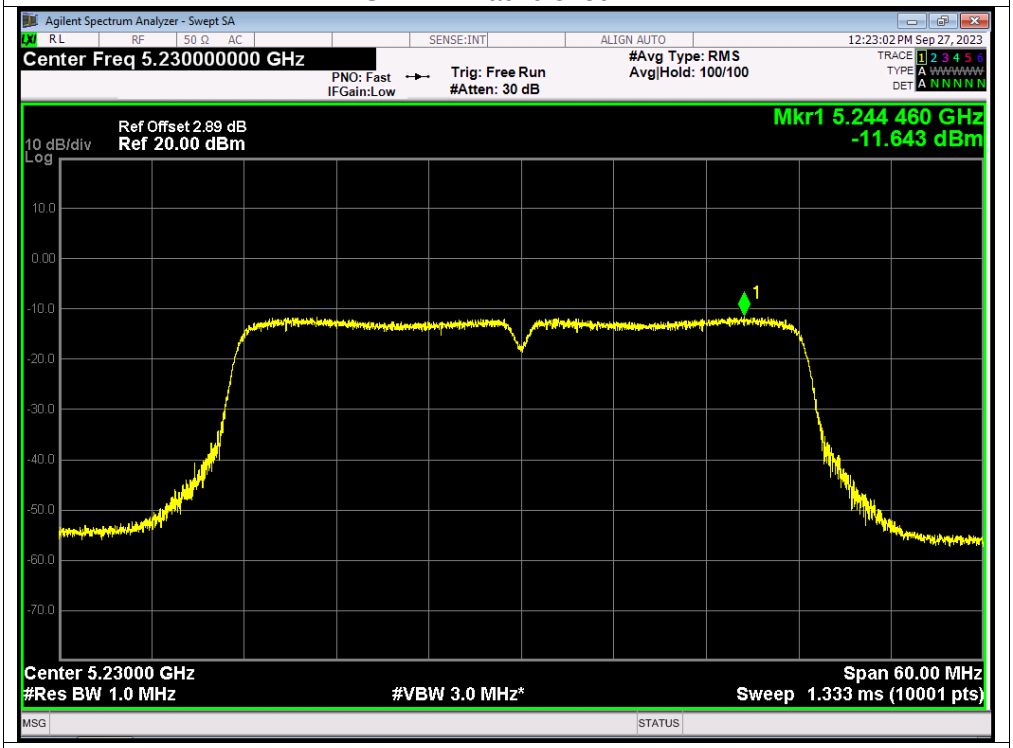
PSD NVNT ac20 5240MHz



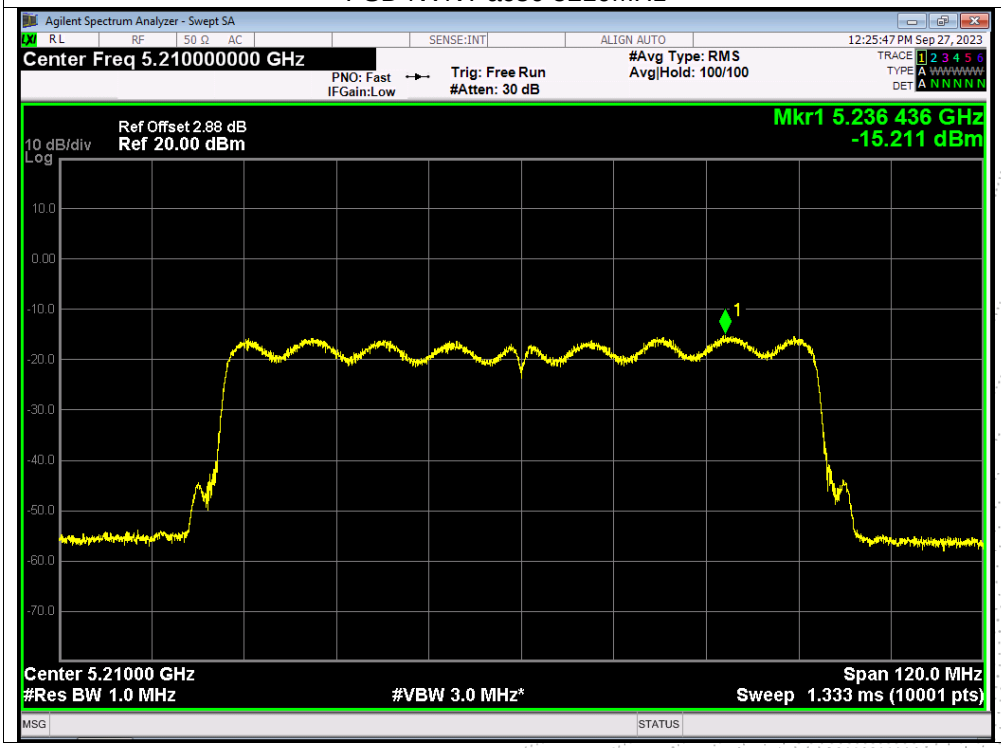
PSD NVNT ac40 5190MHz



PSD NVNT ac40 5230MHz



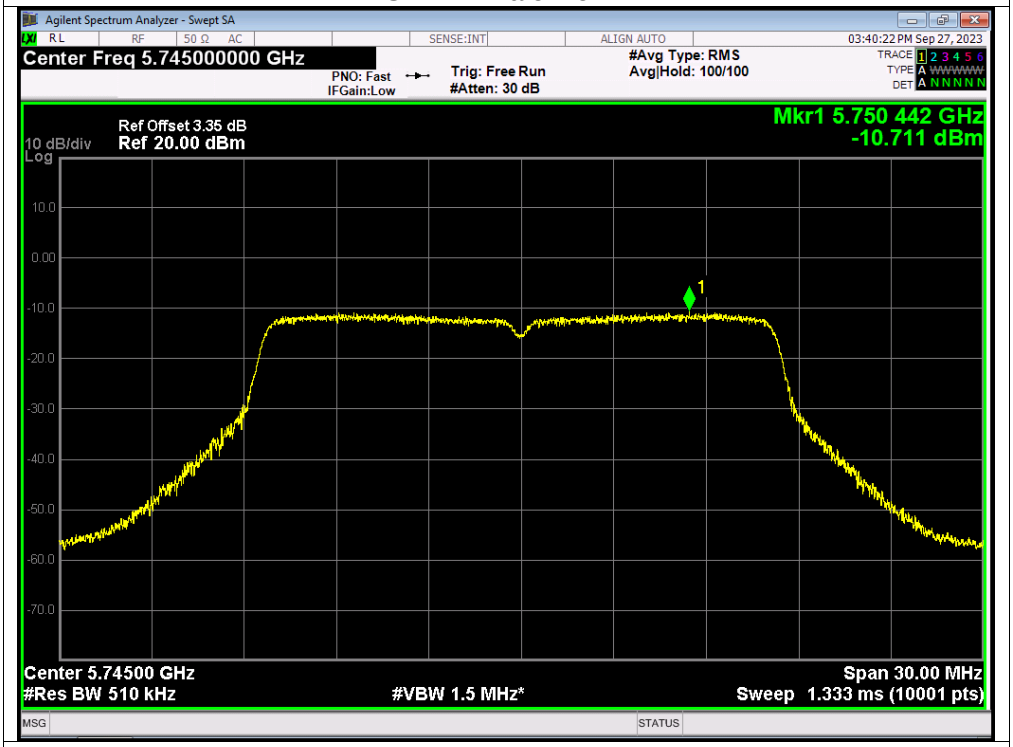
PSD NVNT ac80 5210MHz



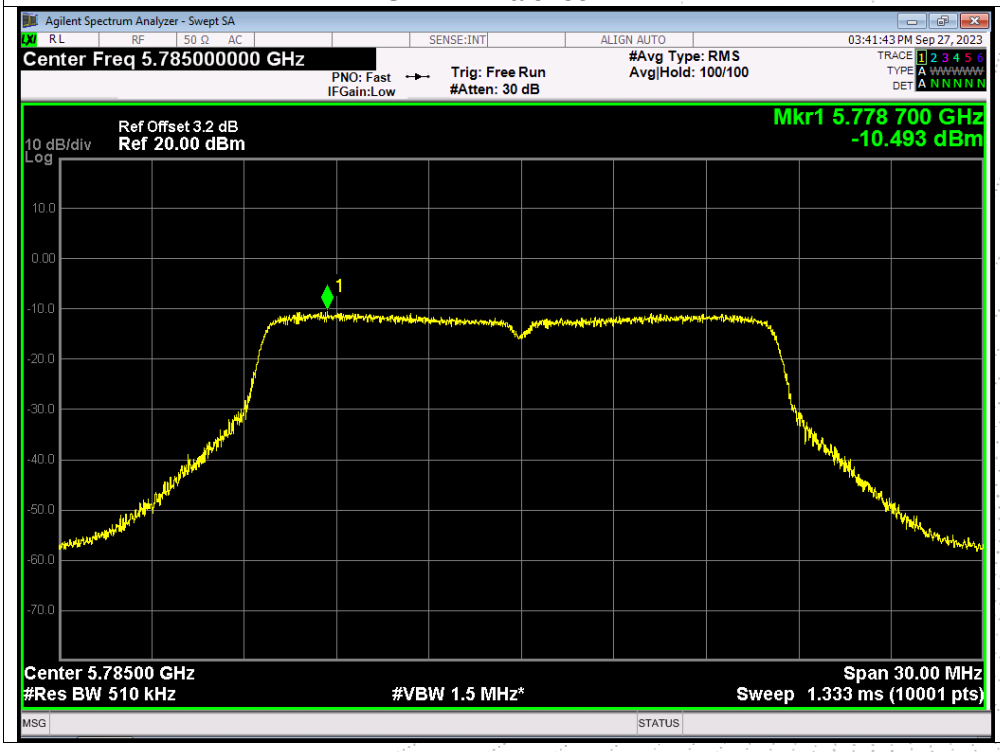
U-NII-3

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

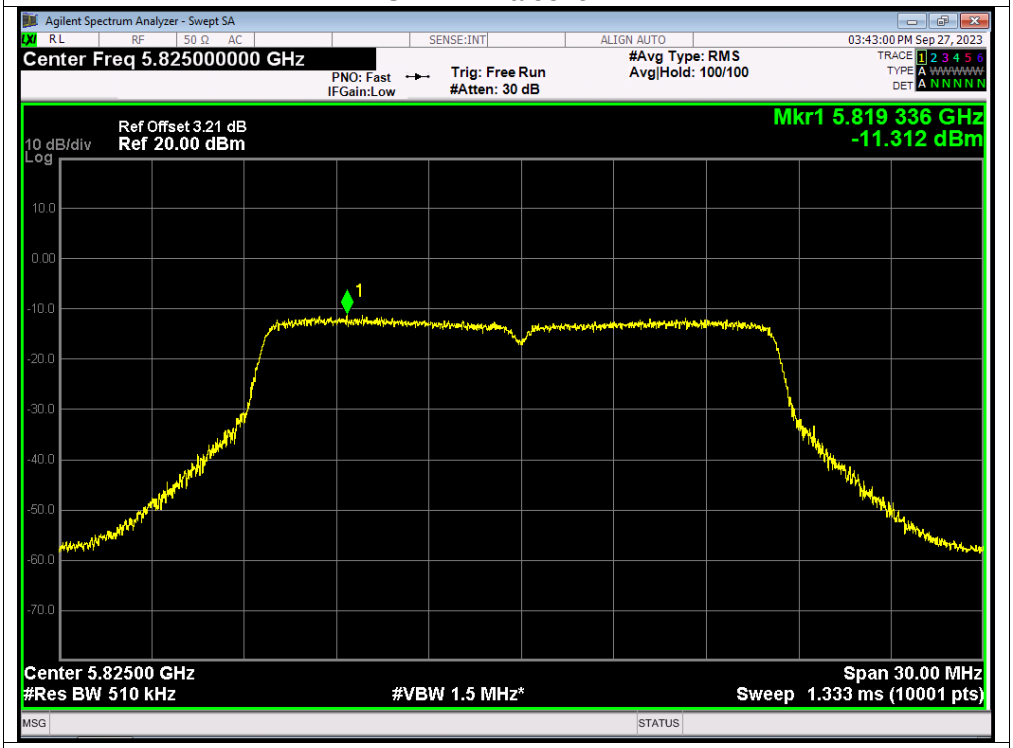
Test Graphs
PSD NVNT a 5745MHz



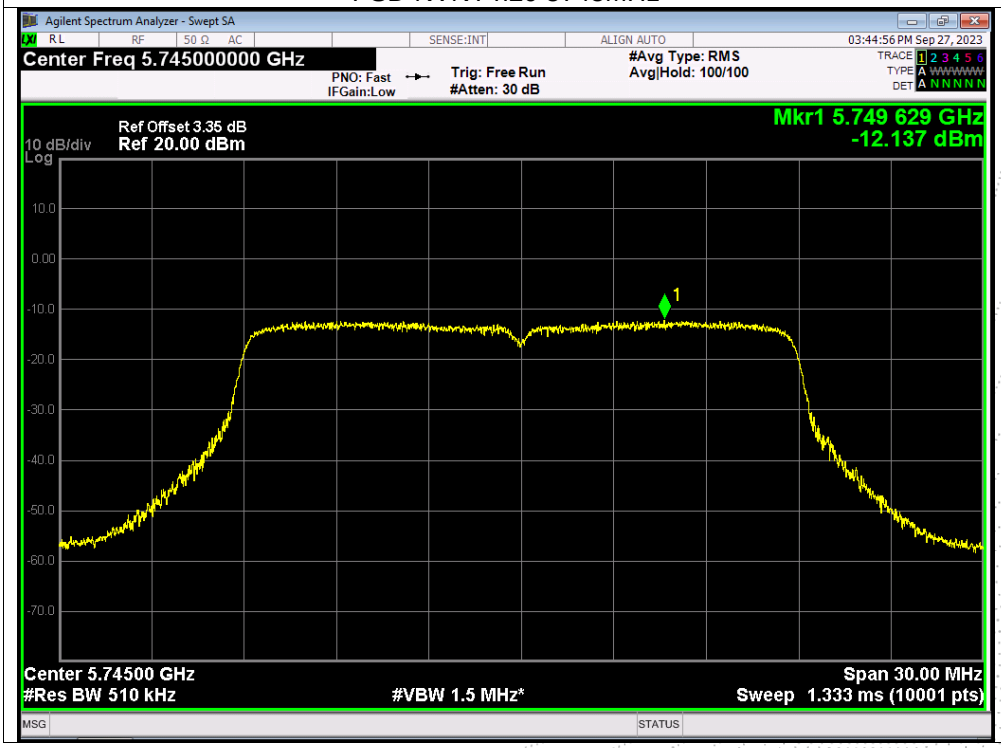
PSD NVNT a 5785MHz



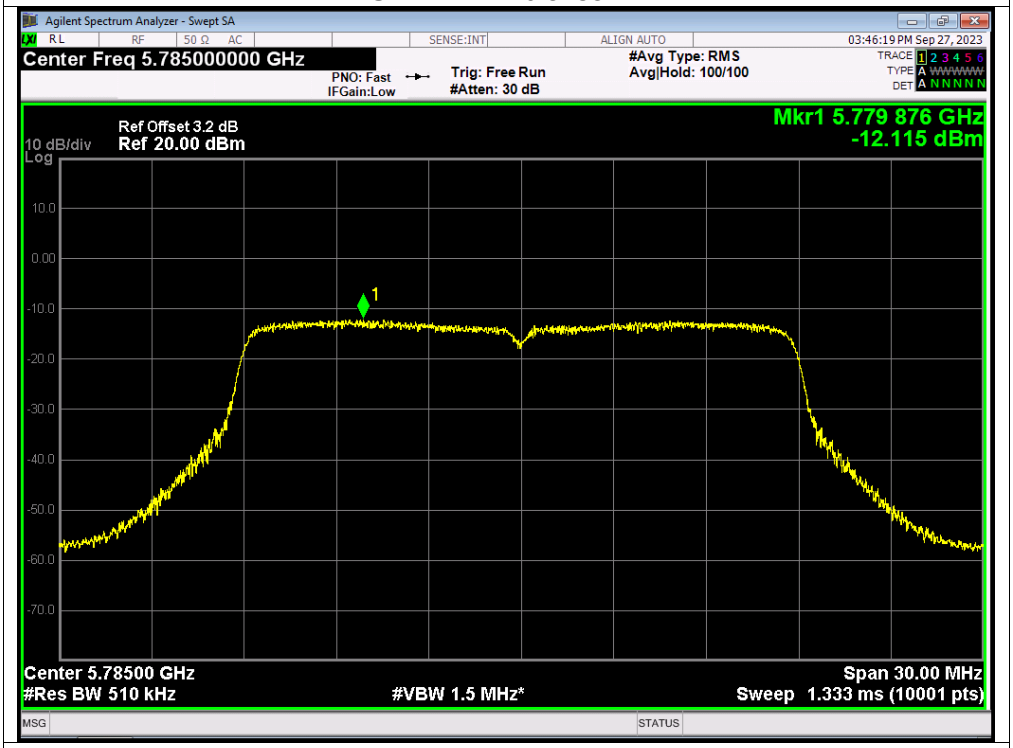
PSD NVNT a 5825MHz



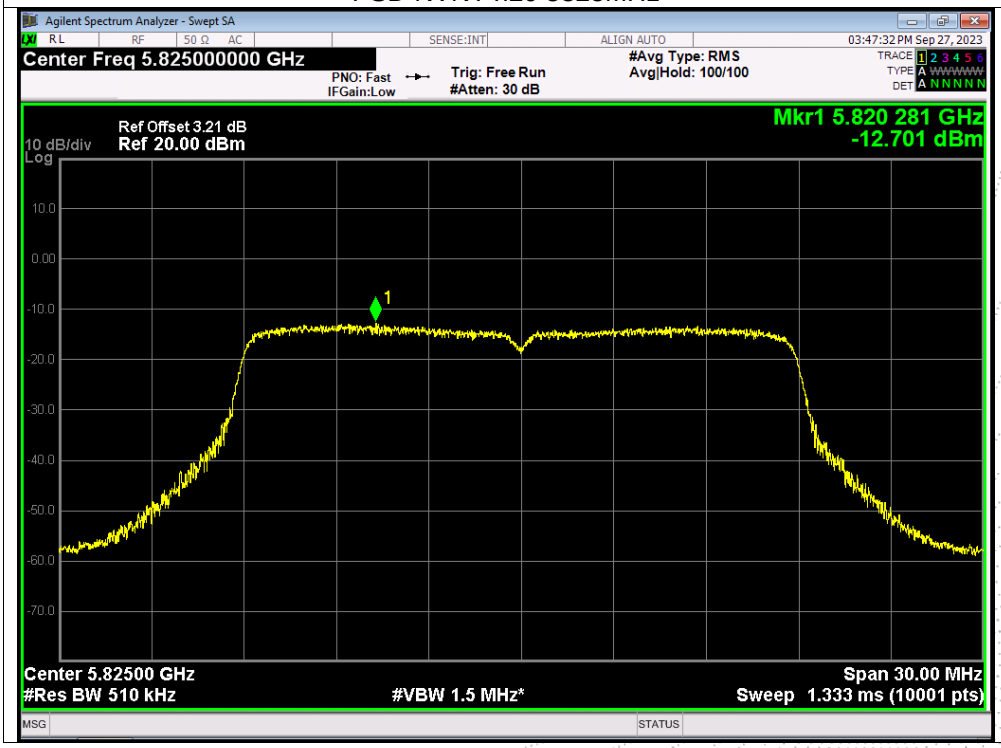
PSD NVNT n20 5745MHz



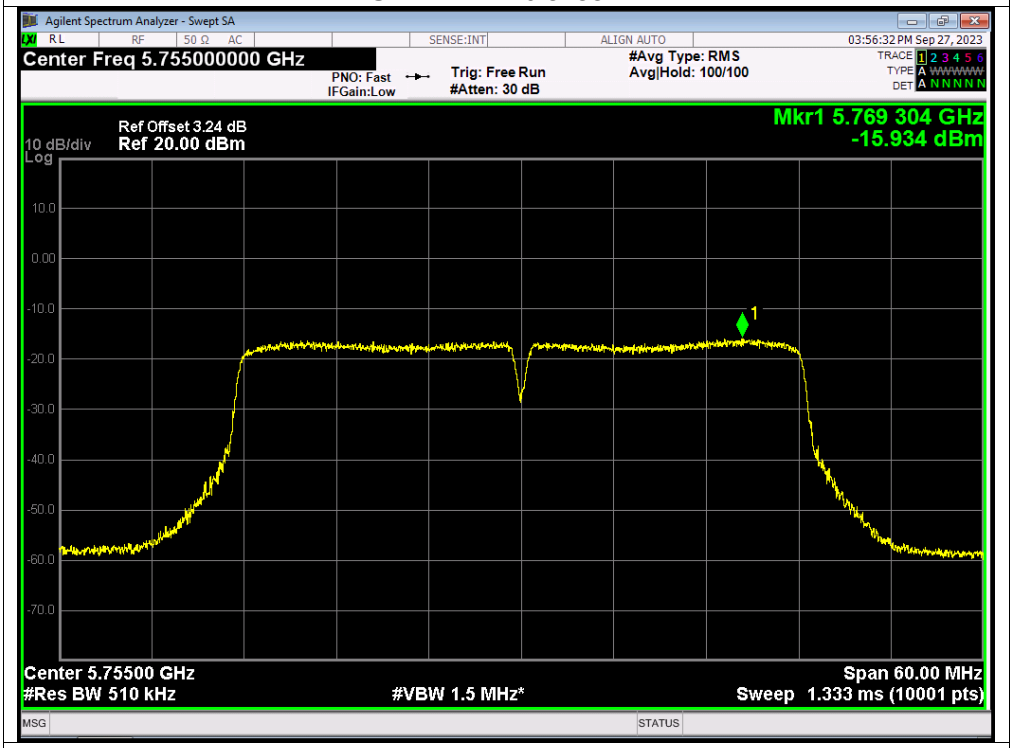
PSD NVNT n20 5785MHz



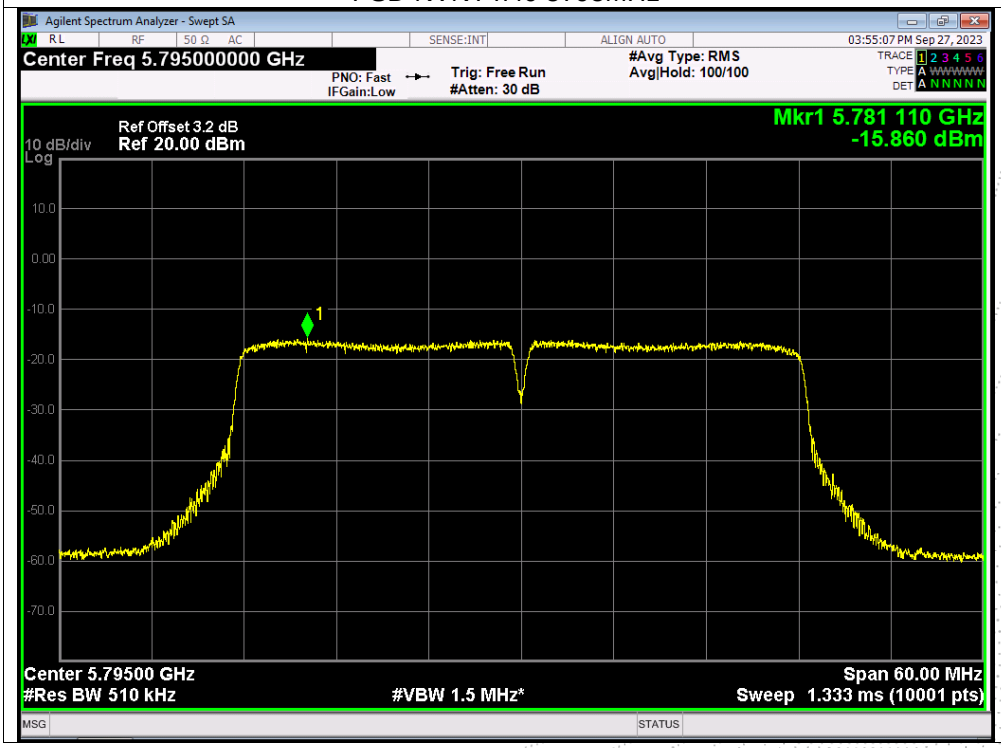
PSD NVNT n20 5825MHz



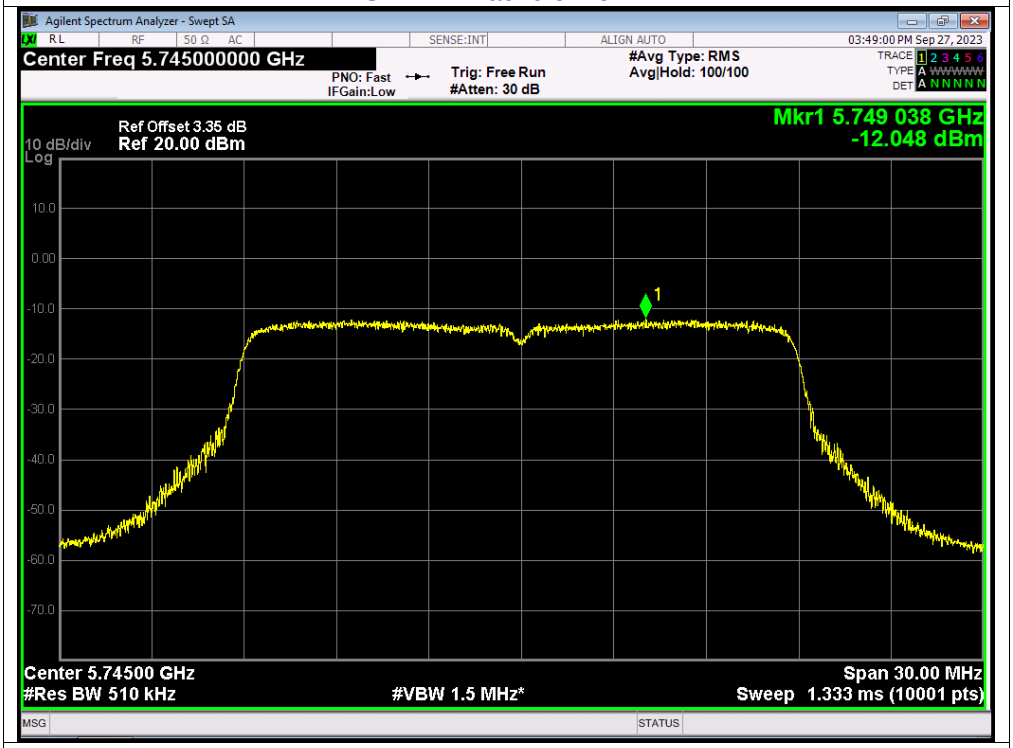
PSD NVNT n40 5755MHz



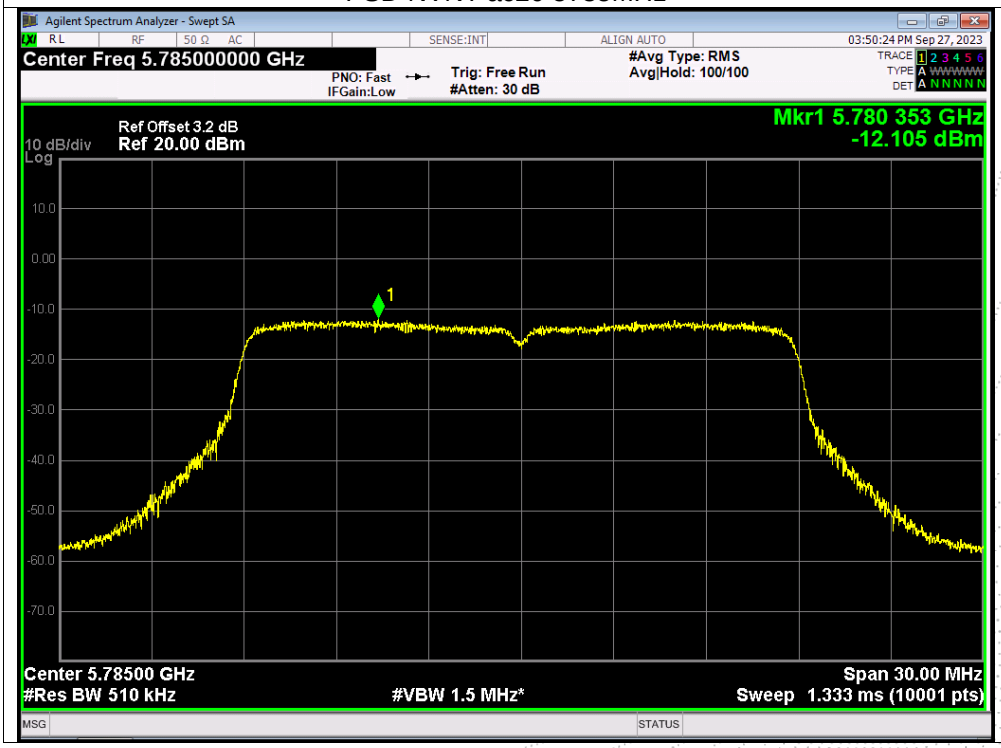
PSD NVNT n40 5795MHz



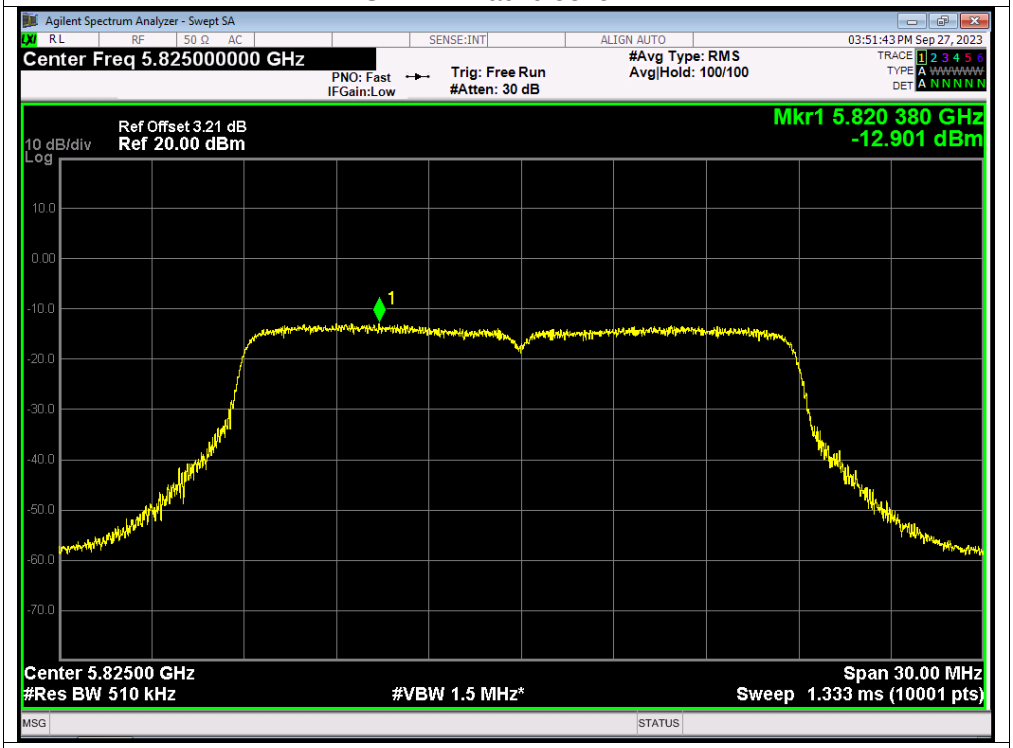
PSD NVNT ac20 5745MHz



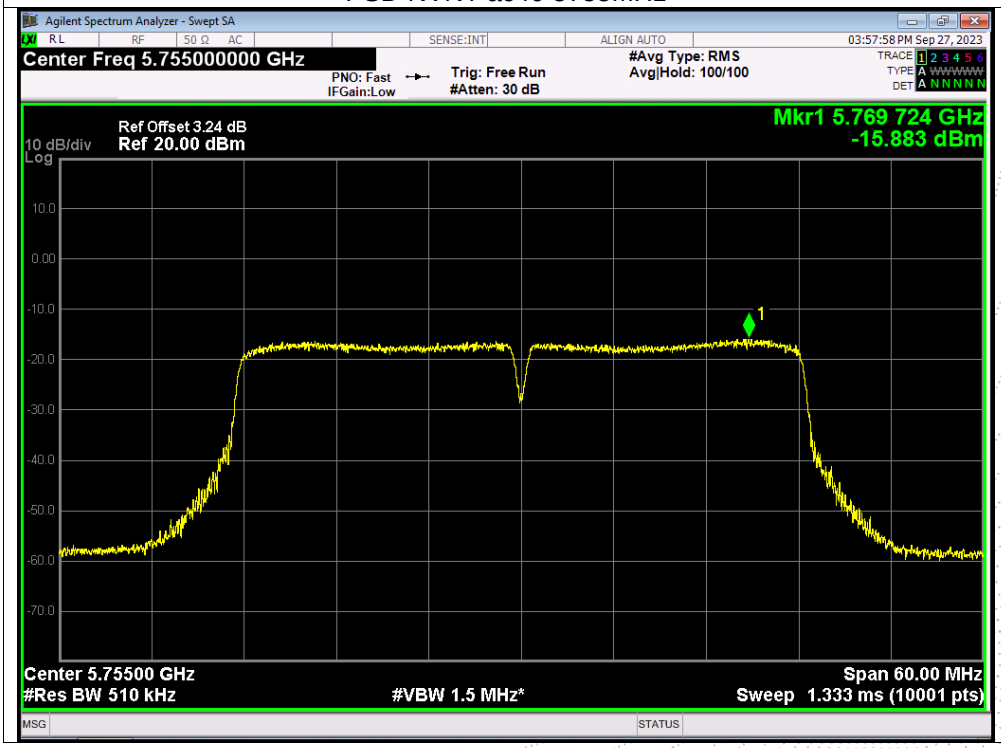
PSD NVNT ac20 5785MHz



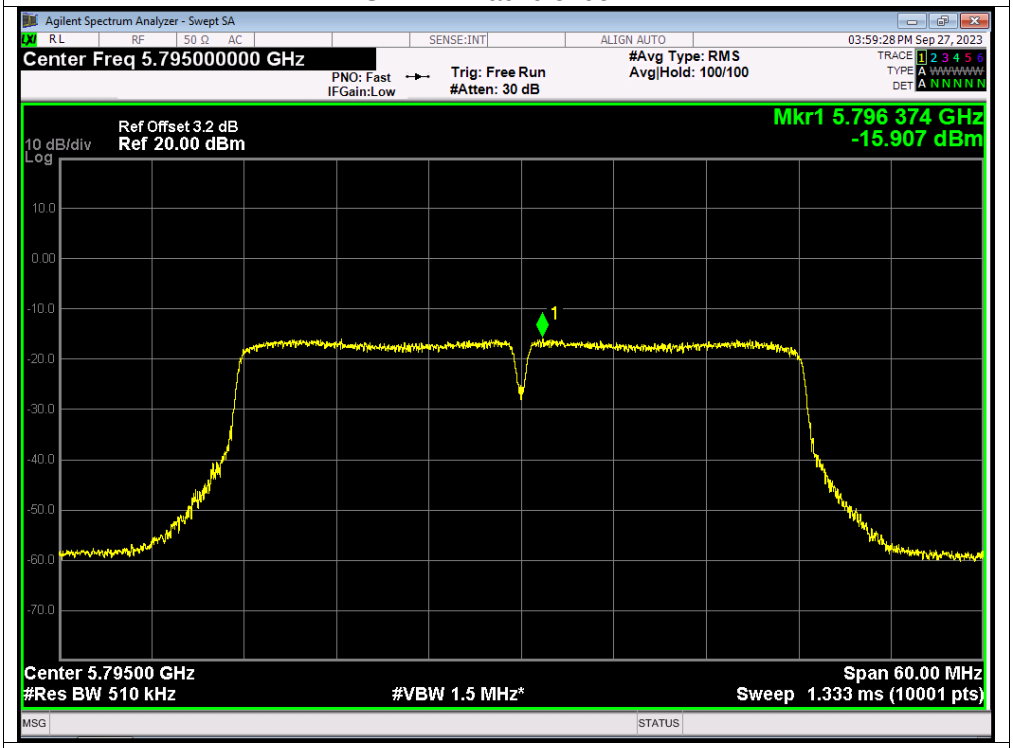
PSD NVNT ac20 5825MHz



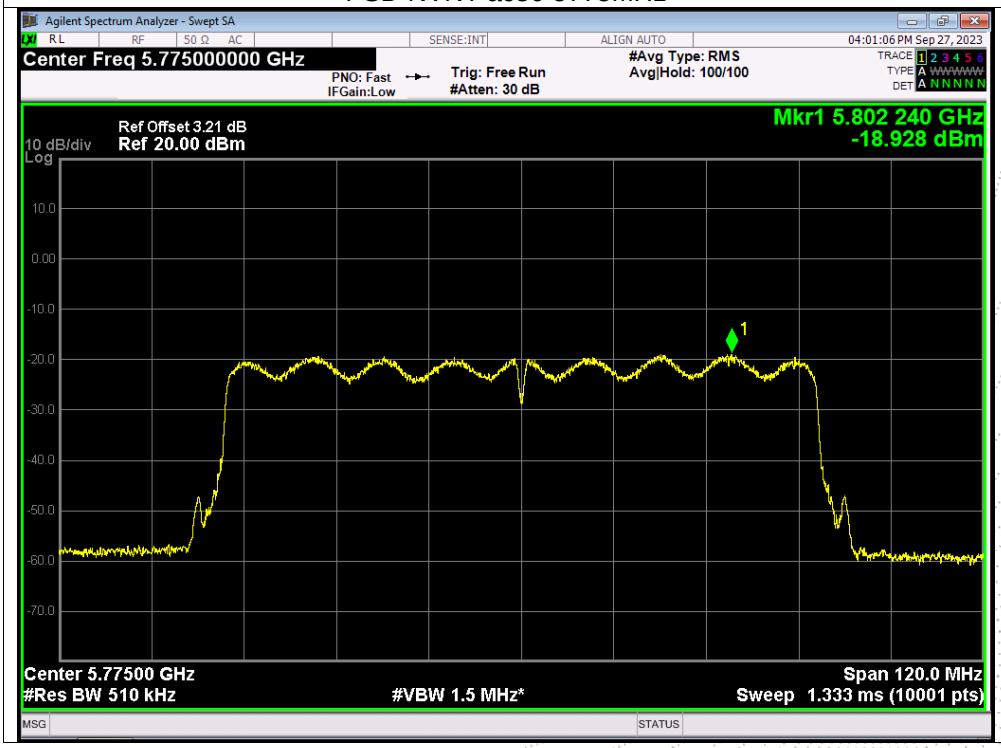
PSD NVNT ac40 5755MHz



PSD NVNT ac40 5795MHz

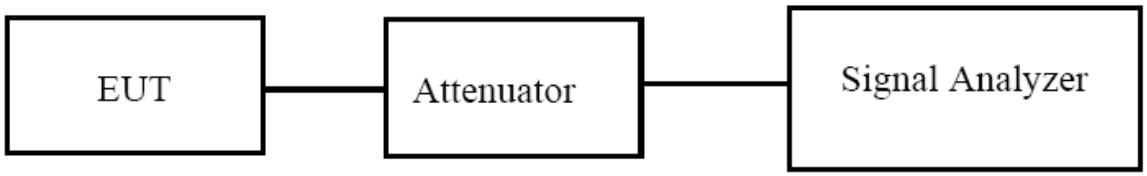


PSD NVNT ac80 5775MHz



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.

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.

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:	AC 120V/60Hz
Test Mode:	(5180-5240MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	
			Ant A	Ant B
NVNT	a	5180	20.580	20.807
NVNT	a	5200	21.006	20.658
NVNT	a	5240	20.649	20.823
NVNT	n20	5180	21.461	21.512
NVNT	n20	5200	21.568	21.366
NVNT	n20	5240	21.393	21.610
NVNT	n40	5190	44.129	43.294
NVNT	n40	5230	43.778	43.794
NVNT	ac20	5180	21.088	21.409
NVNT	ac20	5200	21.299	21.378
NVNT	ac20	5240	21.370	21.171
NVNT	ac40	5190	43.134	43.695
NVNT	ac40	5230	43.772	43.432
NVNT	ac80	5210	82.237	82.135

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5180	16.493	16.510
NVNT	a	5200	16.531	16.530
NVNT	a	5240	16.546	16.522
NVNT	n20	5180	17.681	17.677
NVNT	n20	5200	17.685	17.654
NVNT	n20	5240	17.700	17.690
NVNT	n40	5190	36.202	36.229
NVNT	n40	5230	36.185	36.215
NVNT	ac20	5180	17.669	17.689
NVNT	ac20	5200	17.699	17.692
NVNT	ac20	5240	17.693	17.656
NVNT	ac40	5190	36.150	36.179
NVNT	ac40	5230	36.253	36.198
NVNT	ac80	5210	75.676	75.611

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5745-5825MHz)		

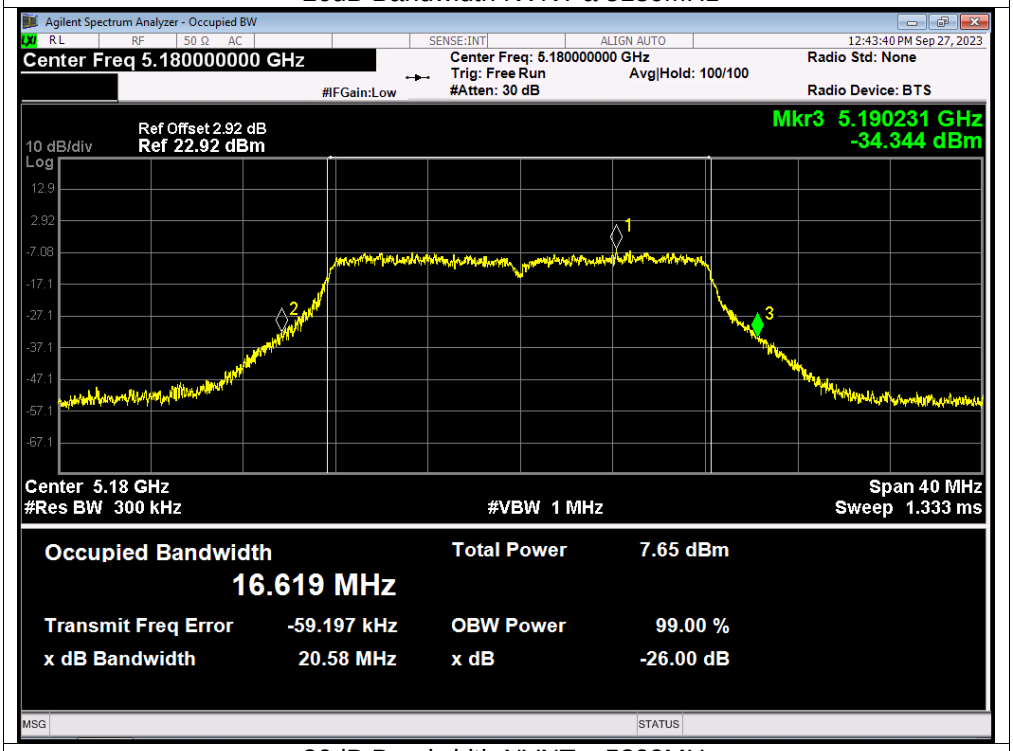
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)		Limit -6 dB Bandwidth (MHz)	Verdict
			Ant A	Ant B		
NVNT	a	5745	16.543	16.506	0.5	Pass
NVNT	a	5785	16.546	16.523	0.5	Pass
NVNT	a	5825	16.528	16.532	0.5	Pass
NVNT	n20	5745	17.635	17.673	0.5	Pass
NVNT	n20	5785	17.706	17.661	0.5	Pass
NVNT	n20	5825	17.691	17.645	0.5	Pass
NVNT	n40	5755	36.422	36.424	0.5	Pass
NVNT	n40	5795	36.399	36.420	0.5	Pass
NVNT	ac20	5745	17.659	17.715	0.5	Pass
NVNT	ac20	5785	17.694	17.634	0.5	Pass
NVNT	ac20	5825	17.630	17.655	0.5	Pass
NVNT	ac40	5755	36.425	36.408	0.5	Pass
NVNT	ac40	5795	36.415	36.405	0.5	Pass
NVNT	ac80	5775	76.332	76.350	0.5	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5745	16.505	16.539
NVNT	a	5785	16.590	16.538
NVNT	a	5825	16.592	16.544
NVNT	n20	5745	17.677	17.673
NVNT	n20	5785	17.694	17.675
NVNT	n20	5825	17.701	17.683
NVNT	n40	5755	36.196	36.218
NVNT	n40	5795	36.192	36.193
NVNT	ac20	5745	17.686	17.658
NVNT	ac20	5785	17.698	17.707
NVNT	ac20	5825	17.712	17.680
NVNT	ac40	5755	36.191	36.159
NVNT	ac40	5795	36.208	36.149
NVNT	ac80	5775	75.500	75.541

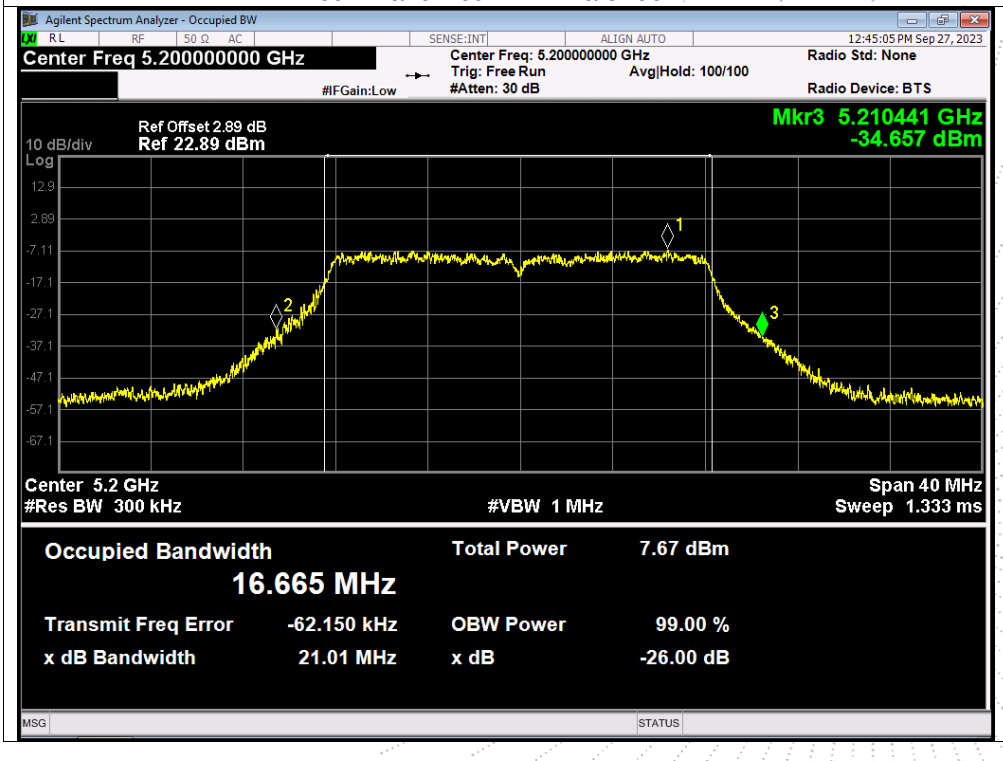
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

Test Graphs

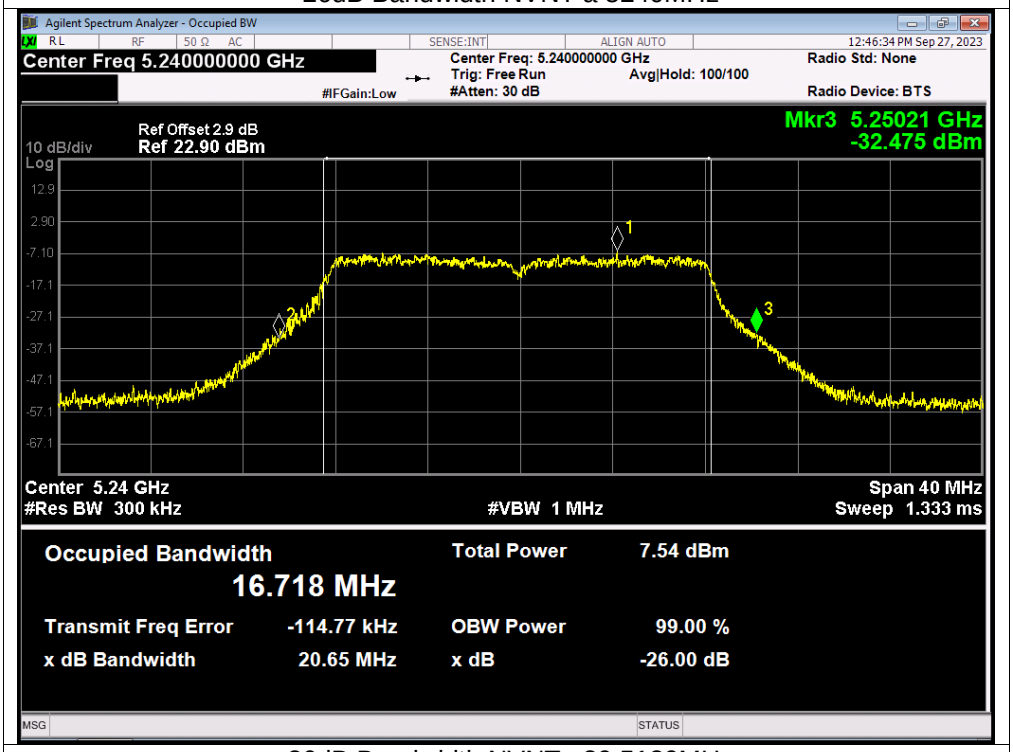
-26dB Bandwidth NVNT a 5180MHz



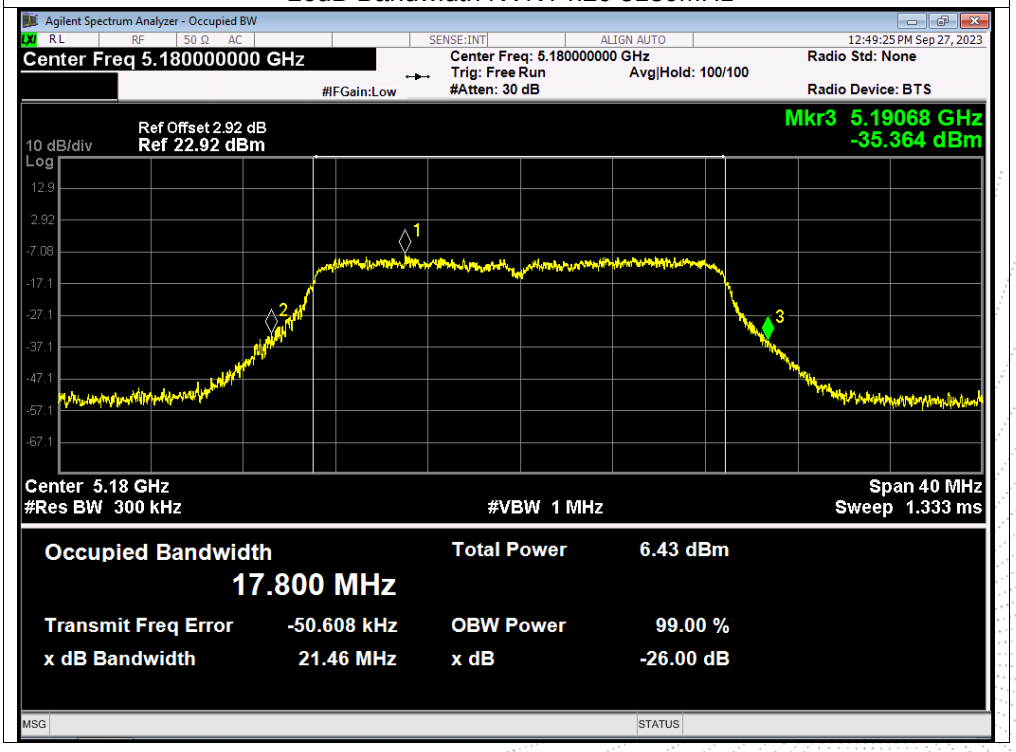
-26dB Bandwidth NVNT a 5200MHz



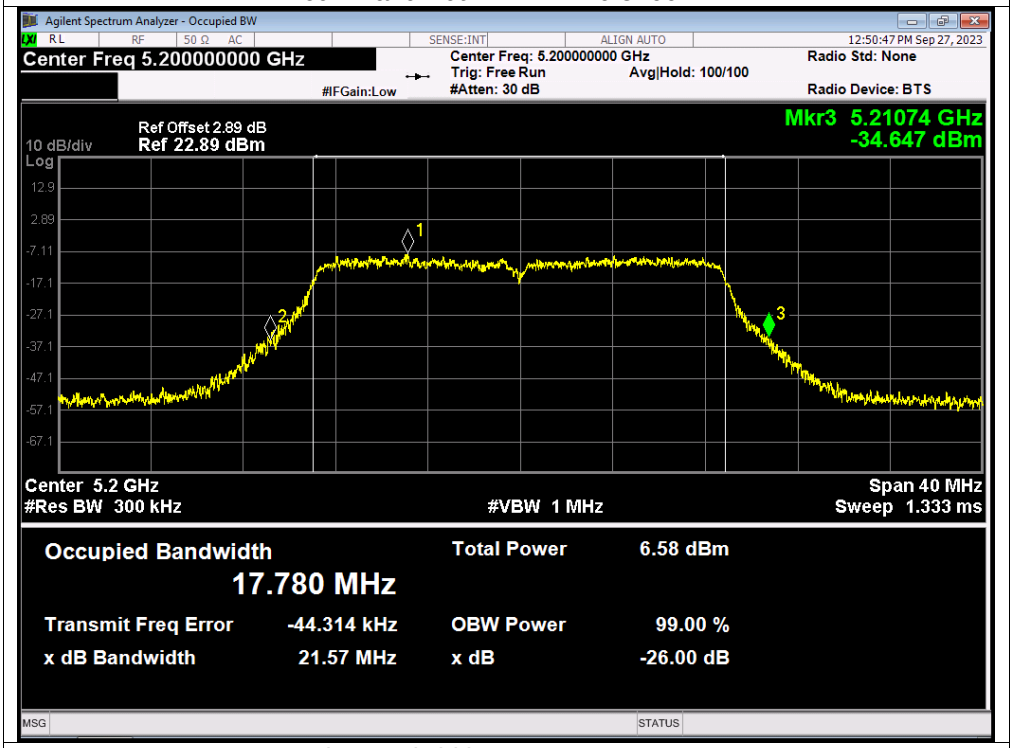
-26dB Bandwidth NVNT a 5240MHz



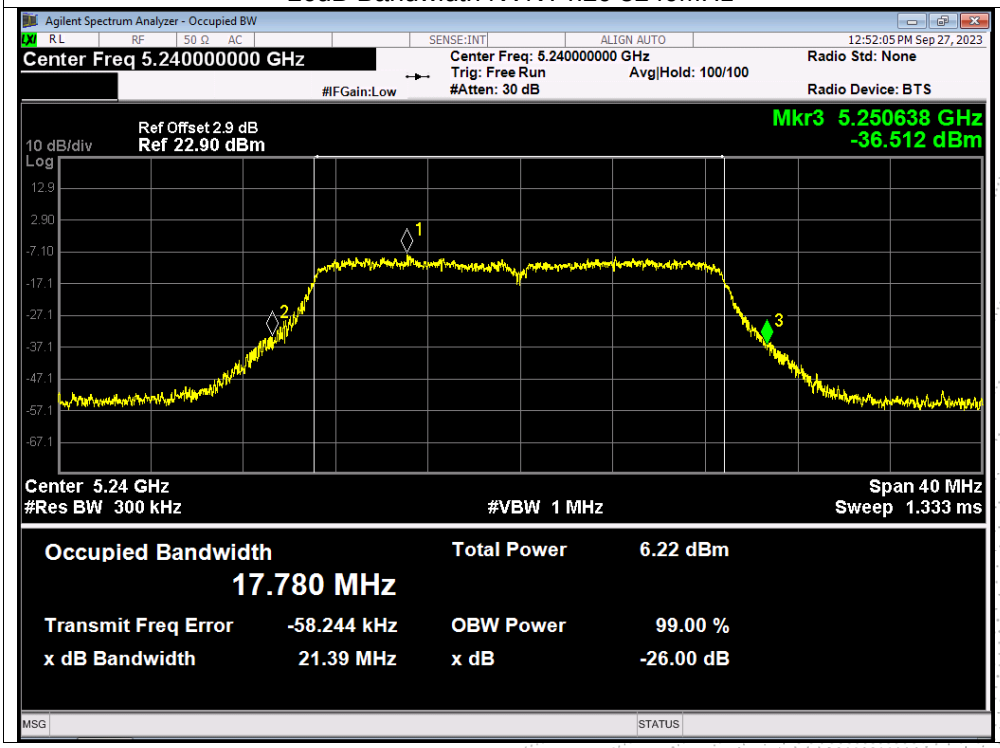
-26dB Bandwidth NVNT n20 5180MHz



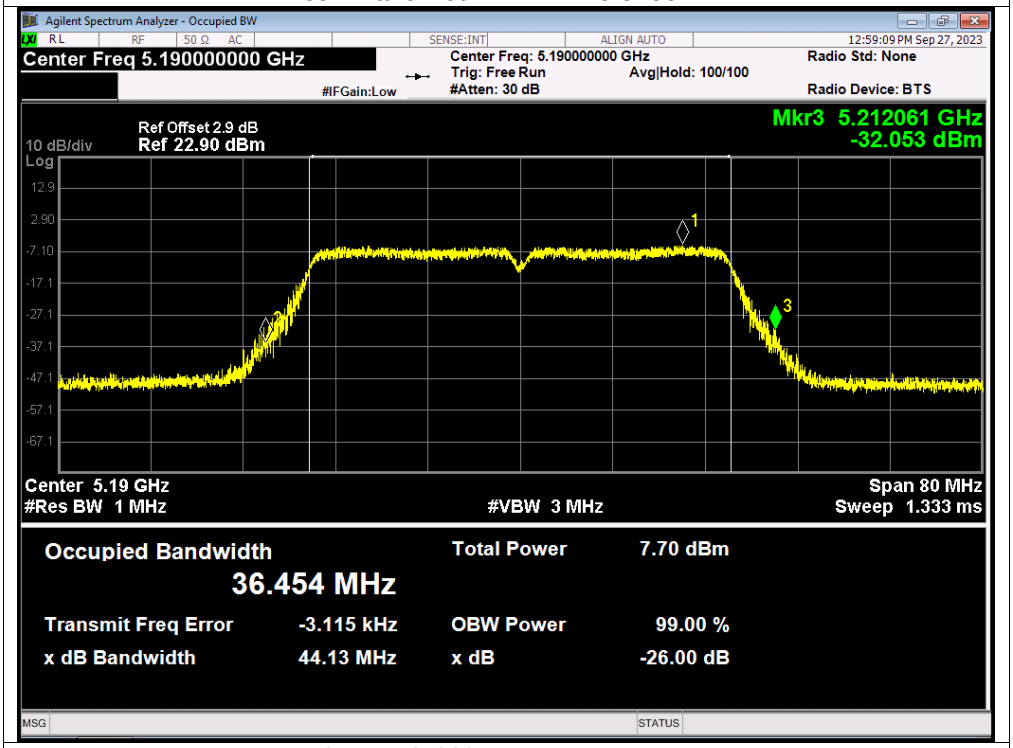
-26dB Bandwidth NVNT n20 5200MHz



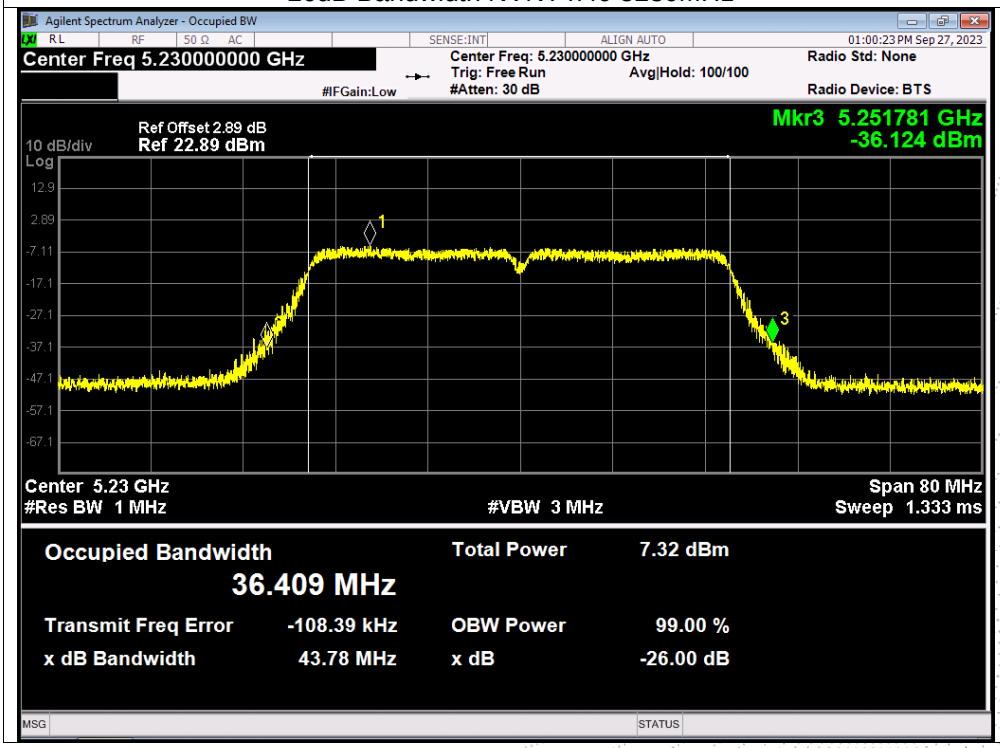
-26dB Bandwidth NVNT n20 5240MHz



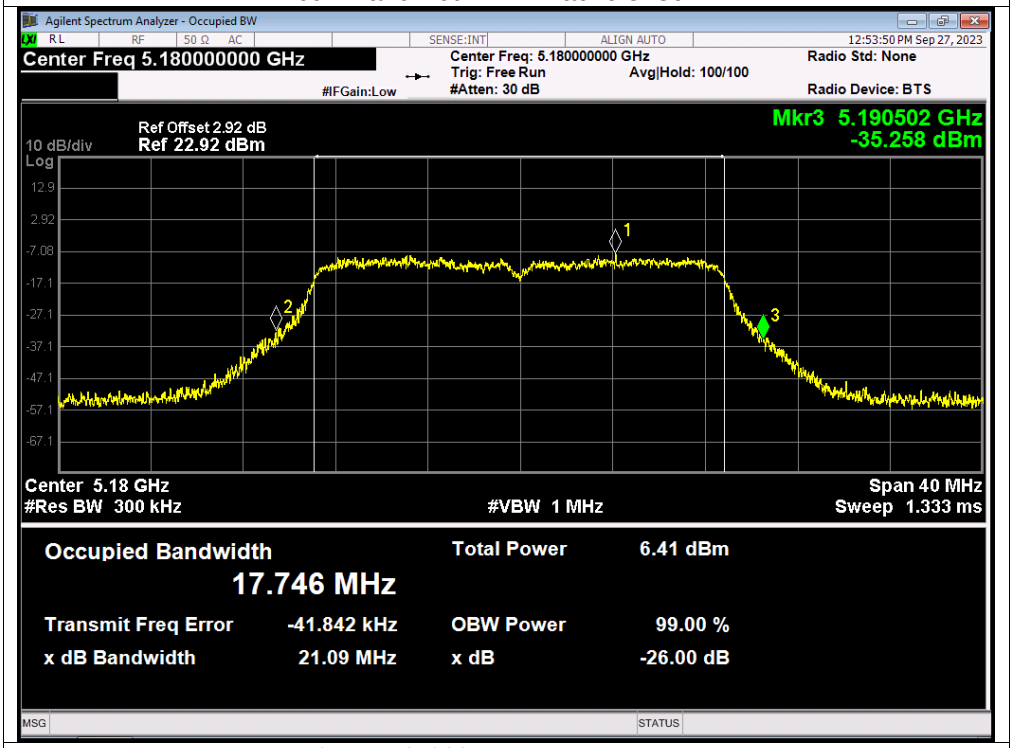
-26dB Bandwidth NVNT n40 5190MHz



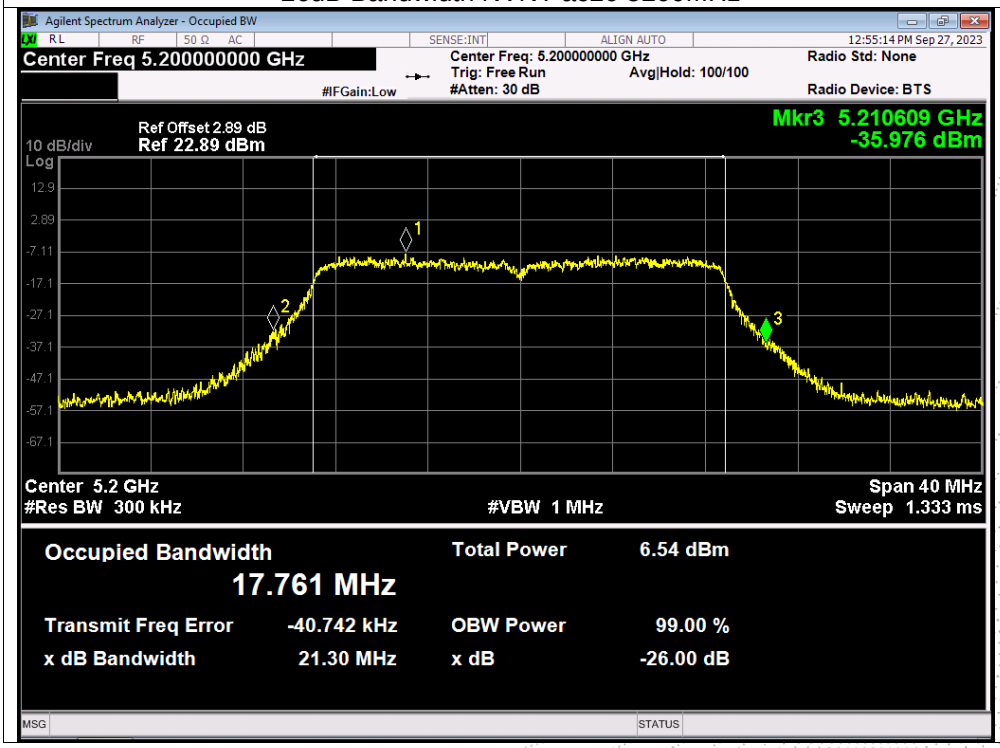
-26dB Bandwidth NVNT n40 5230MHz



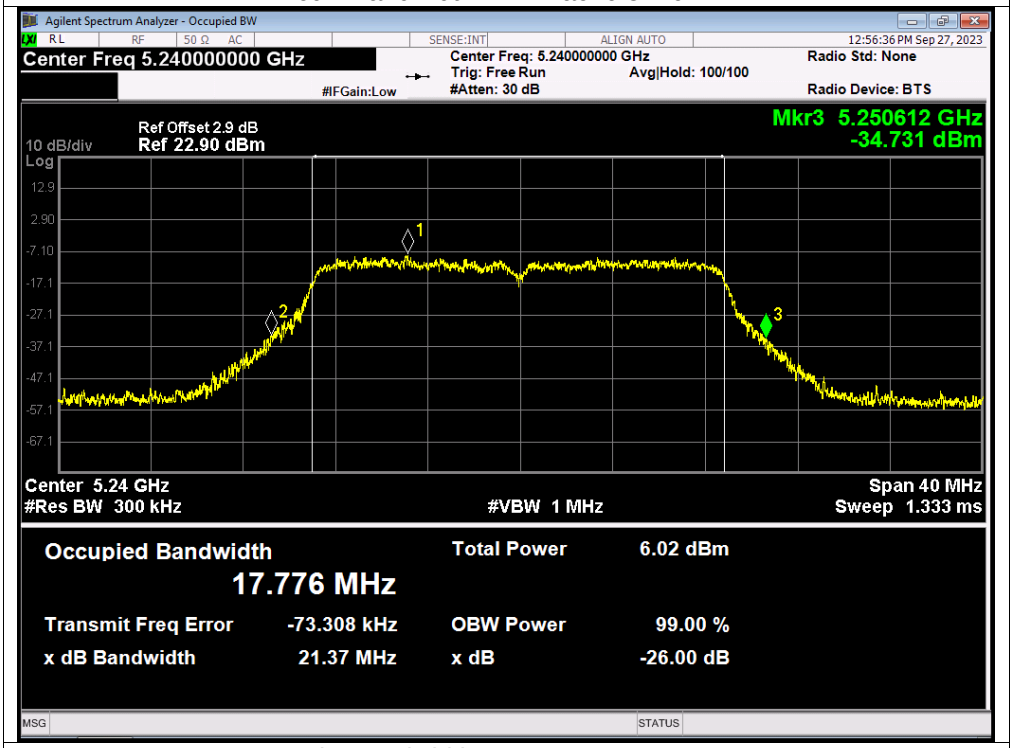
-26dB Bandwidth NVNT ac20 5180MHz



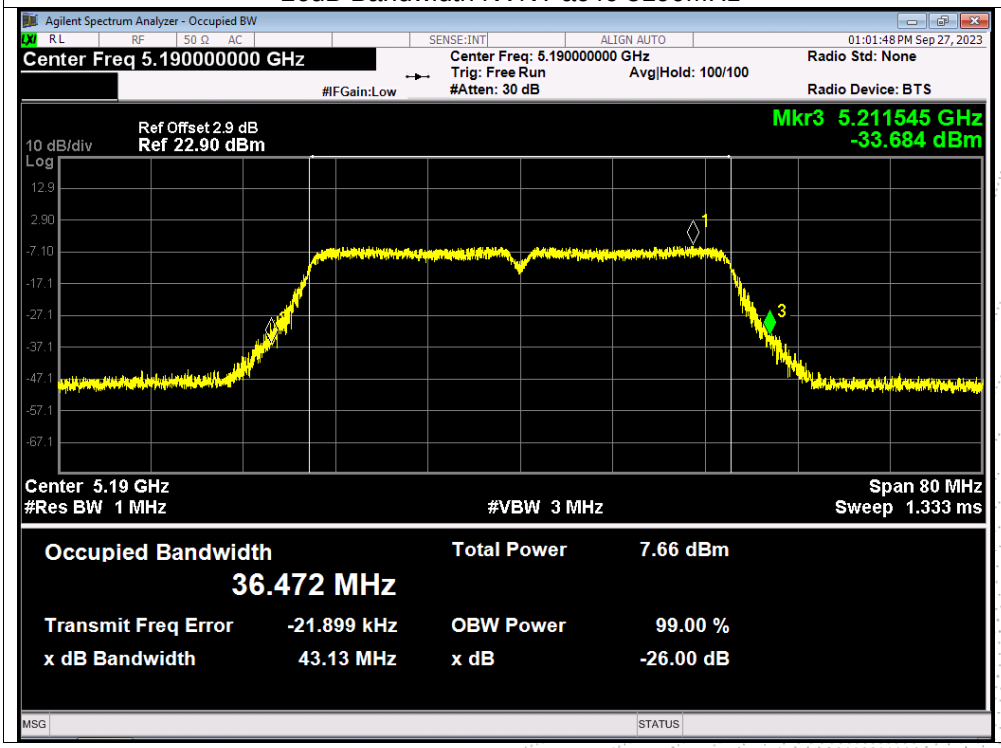
-26dB Bandwidth NVNT ac20 5200MHz



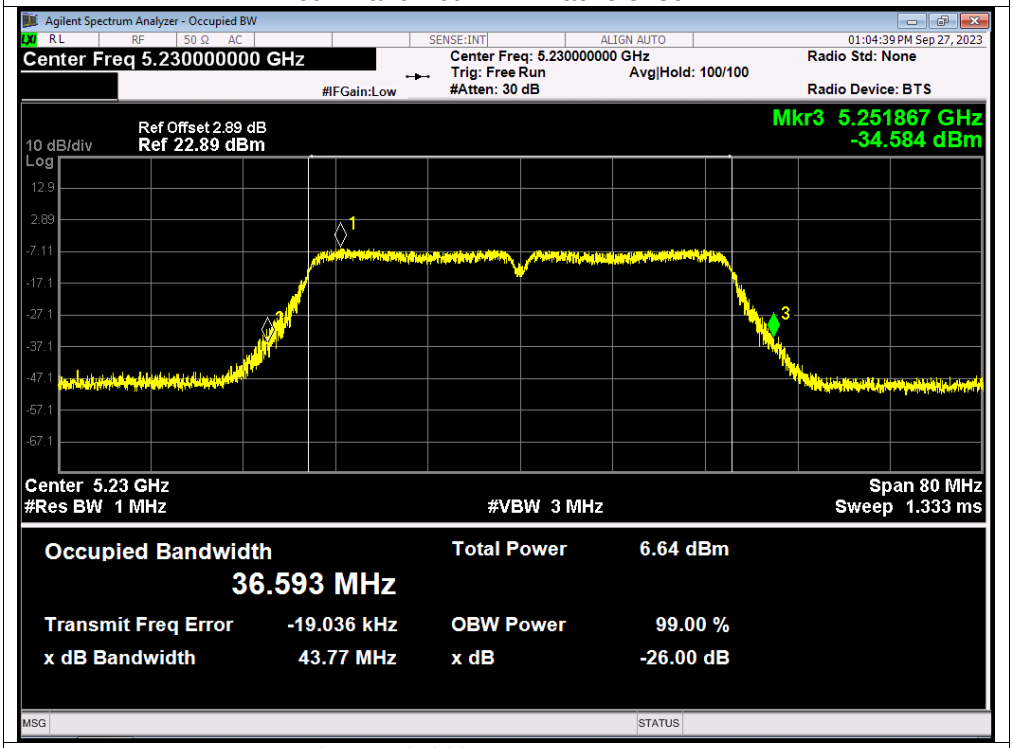
-26dB Bandwidth NVNT ac20 5240MHz



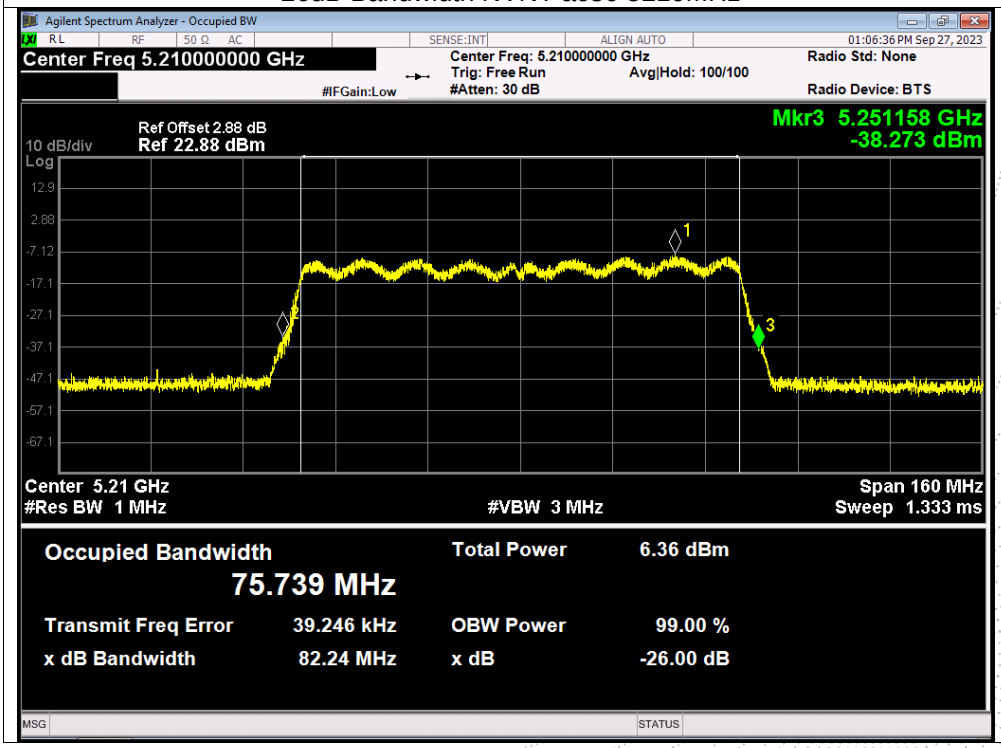
-26dB Bandwidth NVNT ac40 5190MHz



-26dB Bandwidth NVNT ac40 5230MHz

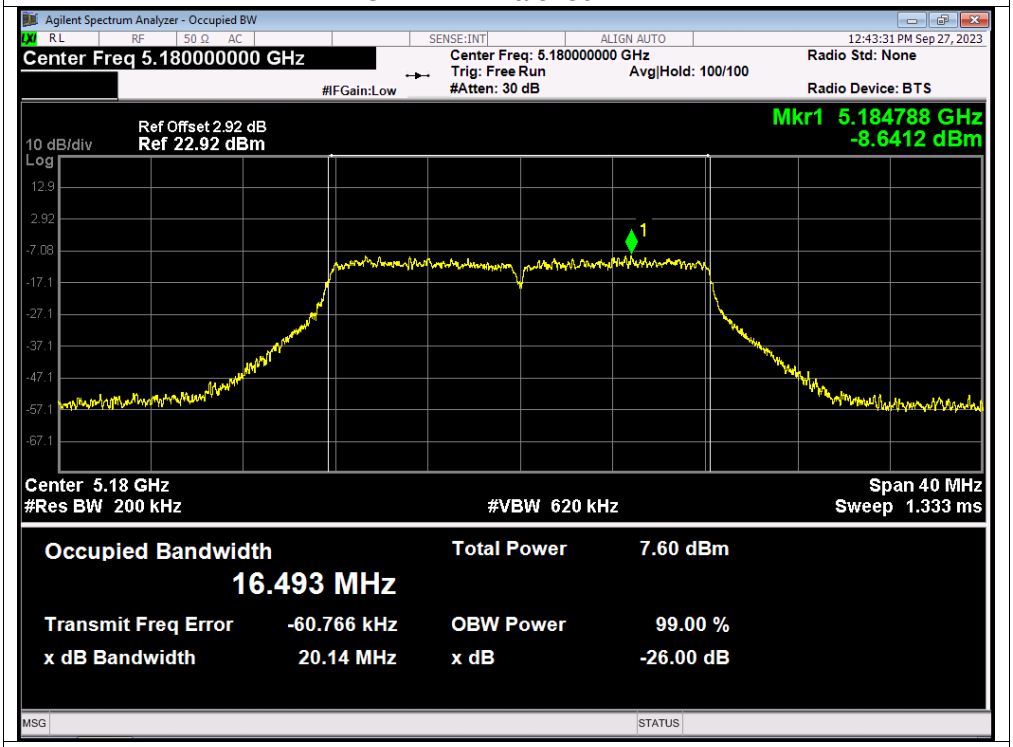


-26dB Bandwidth NVNT ac80 5210MHz

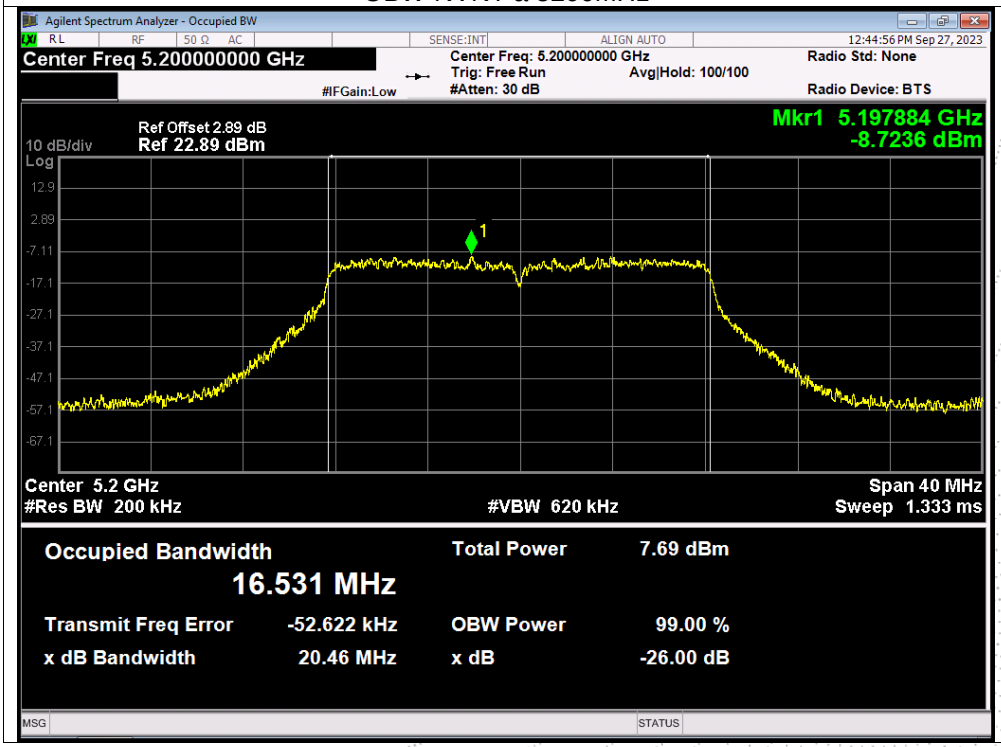


Test Graphs

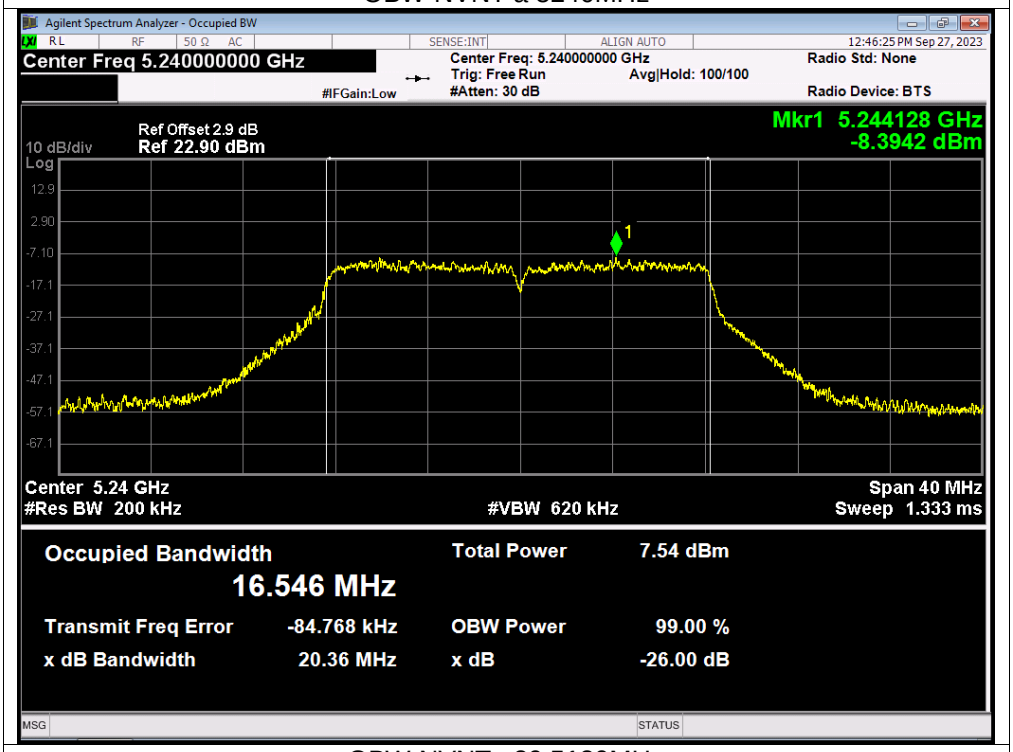
OBW NVNT a 5180MHz



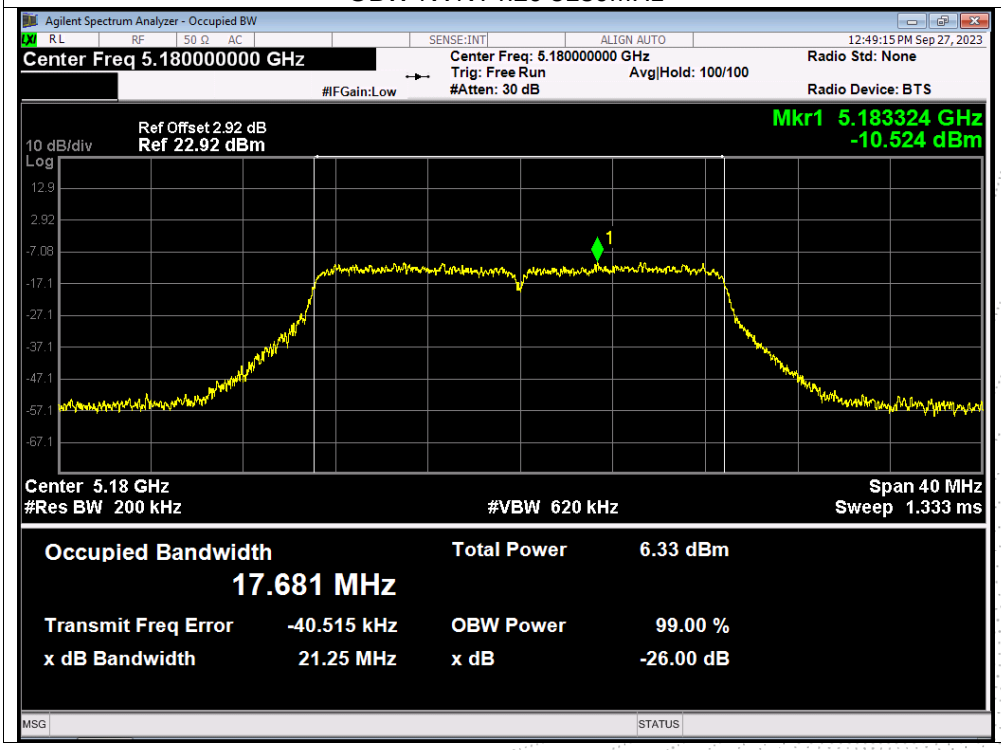
OBW NVNT a 5200MHz



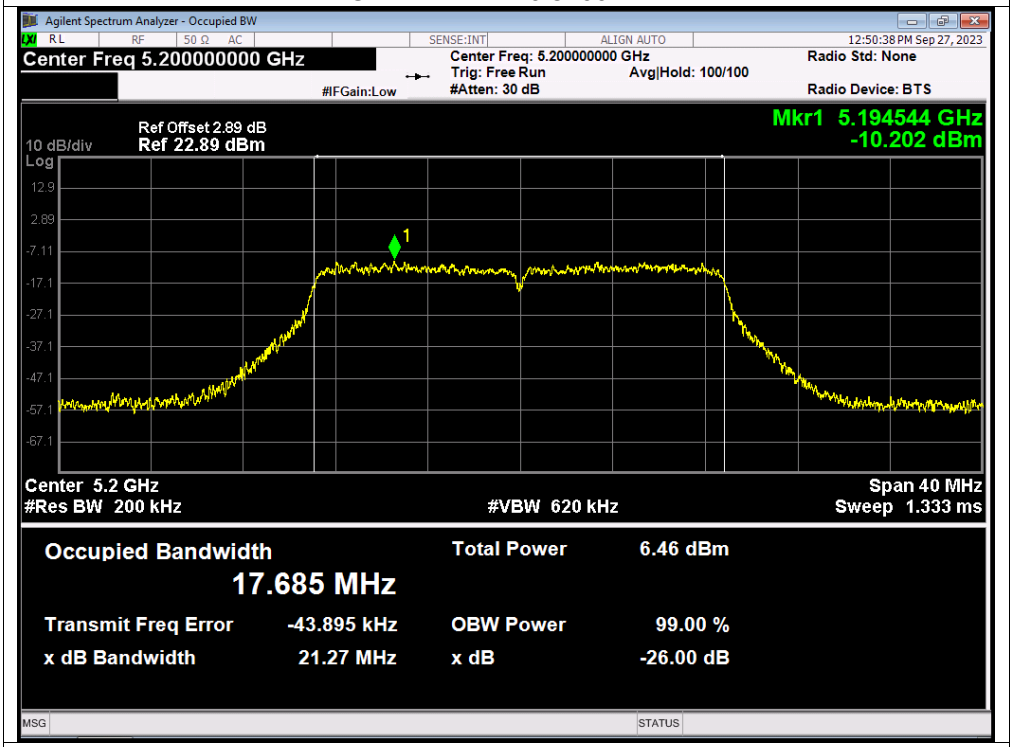
OBW NVNT a 5240MHz



OBW NVNT n20 5180MHz



OBW NVNT n20 5200MHz



OBW NVNT n20 5240MHz