

TEST REPORT

Report No.: BCTC2207935724E

Applicant: Shenzhen Zhibotong Eletronics Co., Ltd.

Product Name: Wireless Router

Model/Type
reference: Z2101

Tested Date: 2022-06-23 to 2022-07-09

Issued Date: 2022-08-03



Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2AC47-Z2101

Product Name: Wireless Router

Trademark: N/A

Model/Type Ref.: Z2101
Z6001,WE2806,WG827,WE5930,WE2001,WE2002,WE2003,WE2005,WE2006,
WE2007,WE2008,RP2001,RP2002,RP2801,RP2002,Z5001AX,Z5002AX,
Z5003AX,Z5005AX,Z5006AX,Z5007AX,Z5008AX,Z5009AX,Z8101AX,Z8102AX,
Z8103AX,Z8105AX,Z8106AX,Z8107AX,Z8108AX,N3201,N3202,N3203,N3205,
WG2101,WG2102,WG2103,WG2105,WG2106,WG2107,WG2108,CPE2802,
CPE2803,CPE2805,CPE2806,CPE9302,UF1601,UF1602,UF1603,UF0901,
UF0902,UF0903,UF2001,MIFI1601,MIFI1602

Prepared For: Shenzhen Zhibotong Eletronics Co., Ltd.

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Manufacturer: Shenzhen Zhibotong Eletronics Co., Ltd.

Address: Floor 4, Bldg. A2, Hedian Industrial Park, NO.9 Shijing Rd, Guanlan, Longhua District, ShenZhen, China

Prepared By: Shenzhen BCTC Testing Co., Ltd.

Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Sample Received Date: 2022-06-23

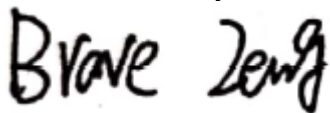
Sample tested Date: 2022-06-23 to 2022-07-09

Report No.: BCTC2207935724E

Test Standards: FCC Part15 15.407
ANSI C63.10-2013
KDB 662911 D01 v02r01
KDB 789033 D02 v02r01

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

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

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1. Version

Report No.	Issue Date	Description	Approved
BCTC2207935724E	2022-08-03	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)(6)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 (a)(5) 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 (a)(1) 15.407 (a)(3)	PASS
6	Band Edge	2.1051, 15.407(b)(1) 15.407(b)(4)	PASS
7	Power Spectral Density	15.407 (a)(1) 15.407 (a)(3)	PASS
8	Spurious Emissions at Antenna Terminals	2.1051, 15.407(b)	PASS
9	Antenna Requirement	15.203	PASS

3. Measurement Uncertainty

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

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

4. Product Information and Test Setup

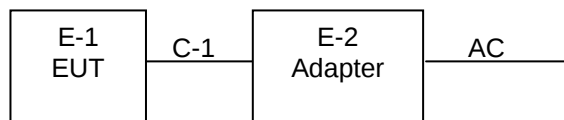
4.1 Product Information

Model/Type Ref.:	Z2101,Z6001,WE2806,WG827,WE5930,WE2001,WE2002,WE2003,WE2005,WE2006,WE2007,WE2008,RP2001,RP2002,RP2801,RP2002,Z5001AX,Z5002AX,Z5003AX,Z5005AX,Z5006AX,Z5007AX,Z5008AX,Z5009AX,Z8101AX,Z8102AX,Z8103AX,Z8105AX,Z8106AX,Z8107AX,Z8108AX,N3201,N3202,N3203,N3205,WG2101,WG2102,WG2103,WG2105,WG2106,WG2107,WG2108,CPE2802,CPE2803,CPE2805,CPE2806,CPE9302,UF1601,UF1602,UF1603,UF0901,UF0902,UF0903,UF2001,MIFI1601,MIFI1602
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	☒ 802.11a ☒ 802.11n(20MHz channel bandwidth) ☒ 802.11n(40MHz channel bandwidth) ☒ 802.11ac(20MHz channel bandwidth) ☒ 802.11ac(40MHz channel bandwidth) ☒ 802.11ac(80MHz channel bandwidth) ☒ 802.11ax(20MHz channel bandwidth) ☒ 802.11ax(40MHz channel bandwidth) ☒ 802.11ax(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ac(HT20)/ax(HE20); 5190-5230MHz for 802.11n/ac(HT40)/ax(HE40); 5210MHz for 802.11 ac/ax80; 5745-5825 MHz for 802.11a/n/ac(HT20)/ax(HE20); 5755-5795 MHz for 802.11n/ac(HT40)/ax(HE40); 5775MHz for 802.11 ac/ax80
Data Rate	☒ 802.11a:54/48/36/24/18/12/9/6Mbps ☒ 802.11n:up to 300 Mbps ☒ 802.11ac:up to 867 Mbps ☒ 802.11ax:up to 1201 Mbps
Type of Modulation:	☒ OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n ☒ OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac ☒ OFDMA with 1024QAM for 802.11AX HE
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
Transmit Power:	12.59dBm
Antenna installation:	External antenna*2
Antenna Gain:	Antenna A & B: 4 dBi
Power supply:	DC12V/3A for adapter
Adapter:	Input: 100-240VAC,50/60Hz, 0.8A Max Output: DC12V/2A

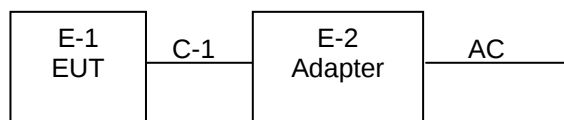
4.2 Test Setup Configuration

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	Wireless Router	N/A	Z2101	N/A	N/A
E-2	Adapter	N/A	WA-36N12R	N/A	N/A

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

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/ax(20 MHz) band IV (5180-5240MHz):

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

Frequency and Channel list for 802.11a/n/ac/ax(20 MHz) band IV (5745-5825MHz):

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/ ax 20 CH36/ CH40/ CH 48 802.11a /n/ ac/ax 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac/ ax40 CH38/ CH 46 802.11n/ ac/ax40 CH 151 / CH 159
Mode 3	802.11 ac/ax80 CH 42/CH 155
Mode 4	Link Mode

4.6 Table Of Parameters Of Text Software Setting

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

Test software Version	CMD		
Parameters	DEF	DEF	DEF

4.7 Antenna

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	External antenna	4	N/A
B	N/A	N/A	External antenna	4	N/A

EUT has two External antennas with Max gain GANT 4dBi on every antenna, CDD device with one spatial streams, also can operate with one spatial streams according to KDB662911 D01 v02r01,

Directional gain = GANT + 10 log (NANT) dBi=4+10log (2) =7.0dBi

i

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, Tangwei, 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
IC Registered No.: 23583

5.2 Test Instrument Used

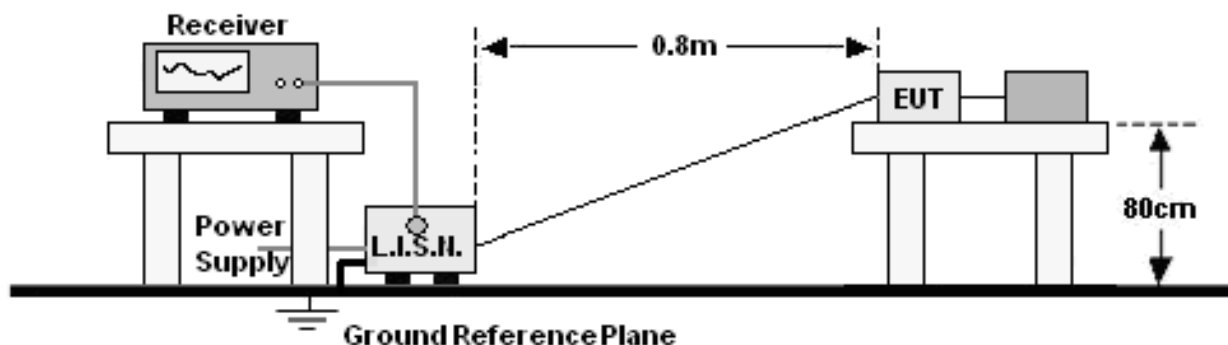
Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 24, 2022	May 23, 2023
LISN	R&S	ENV216	101375	May 24, 2022	May 23, 2023
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 24, 2022	May 23, 2023

RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Metter	Keysight	E4419	\	May 24, 2022	May 23, 2023
Power Sensor (AV)	Keysight	E9300A	\	May 24, 2022	May 23, 2023
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 24, 2022	May 23, 2023
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	\	May 24, 2022	May 23, 2023

Radiated Emissions Test (966 Chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 06. 2020	Jun. 05, 2023
Receiver	R&S	ESR3	102075	May 24, 2022	May 23, 2023
Receiver	R&S	ESRP	101154	May 24, 2022	May 23, 2023
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 24, 2022	May 23, 2023
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 24, 2022	May 23, 2023
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 26, 2022	May 25, 2023
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 24, 2022	May 23, 2023
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 24, 2022	May 23, 2023
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 24, 2022	May 23, 2023
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 26, 2022	May 25, 2023
RF cables1(9kHz- 30MHz)	Huber+Suhnar	9kHz-30MHz	B1702988-000 8	May 26, 2022	May 25, 2023
RF cables2(30MH z-1GHz)	Huber+Suhnar	30MHz-1GHz	1486150	May 26, 2022	May 25, 2023
RF cables3(1GHz -40GHz)	Huber+Suhnar	1GHz-40GHz	1607106	May 24, 2022	May 23, 2023
Power Metter	Keysight	E4419	\	May 26, 2022	May 25, 2023
Power Sensor (AV)	Keysight	E9300A	\	May 26, 2022	May 25, 2023
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 26, 2022	May 25, 2023
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	\	May 26, 2022	May 25, 2023
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:

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

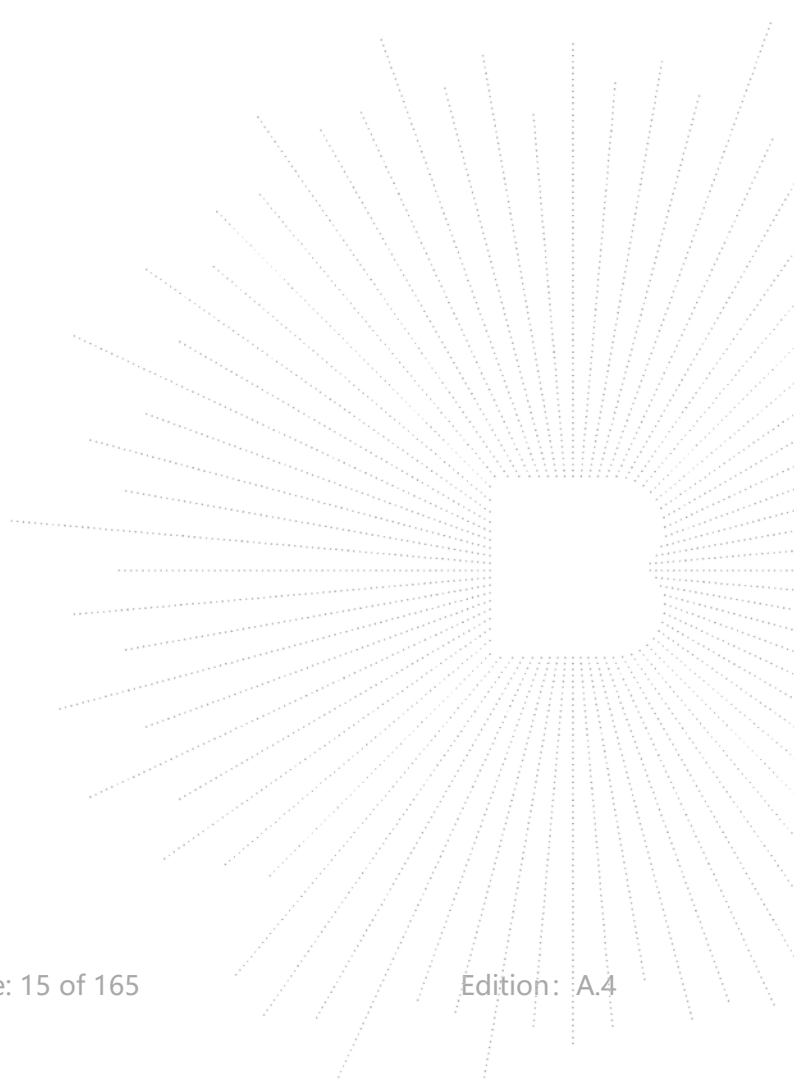
6.3 Test Procedure

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

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

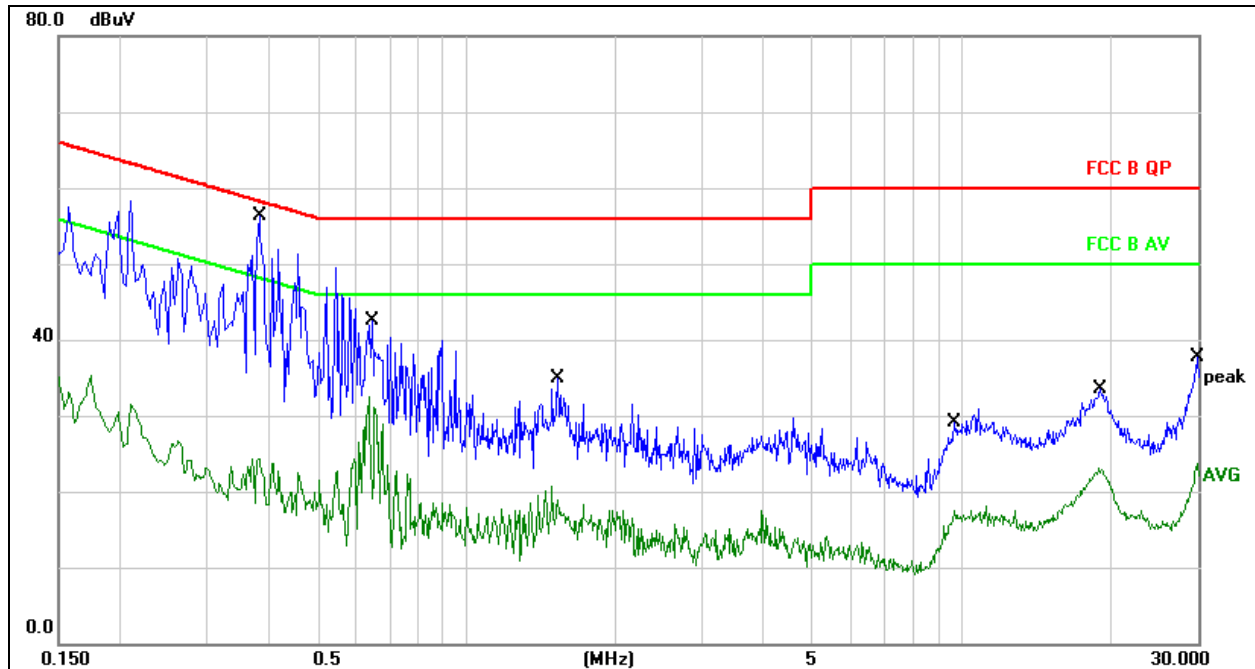
6.4 EUT Operating Conditions

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



6.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage :	AC120V/60Hz
Test Mode:	Mode 4	Polarization :	L

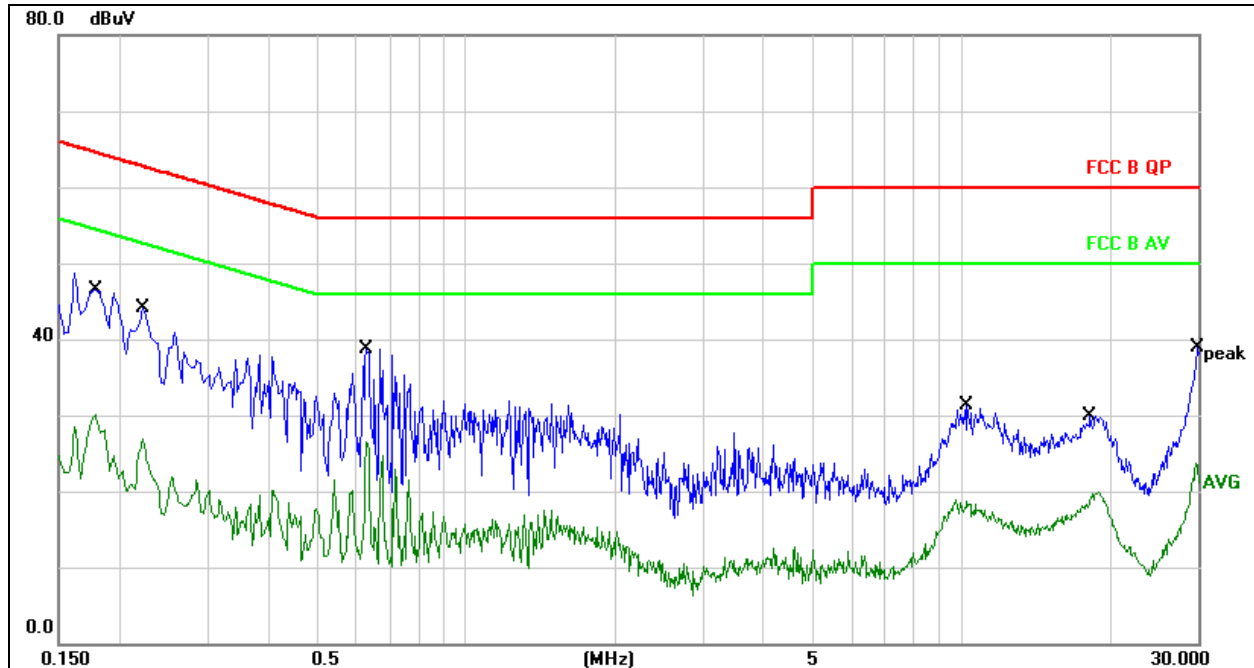


Remark:

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

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1 *	0.3820	46.18	10.07	56.25	58.23	-1.98	QP	
2	0.3820	14.30	10.07	24.37	48.23	-23.86	AVG	
3	0.6460	32.28	10.15	42.43	56.00	-13.57	QP	
4	0.6460	22.30	10.15	32.45	46.00	-13.55	AVG	
5	1.5300	24.79	10.17	34.96	56.00	-21.04	QP	
6	1.5300	10.59	10.17	20.76	46.00	-25.24	AVG	
7	9.6540	18.27	10.92	29.19	60.00	-30.81	QP	
8	9.6540	6.50	10.92	17.42	50.00	-32.58	AVG	
9	19.0540	22.62	10.88	33.50	60.00	-26.50	QP	
10	19.0540	12.17	10.88	23.05	50.00	-26.95	AVG	
11	29.8700	26.73	11.05	37.78	60.00	-22.22	QP	
12	29.8700	12.62	11.05	23.67	50.00	-26.33	AVG	

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage :	AC120V/60Hz
Test Mode:	Mode 4	Polarization :	N


Remark:

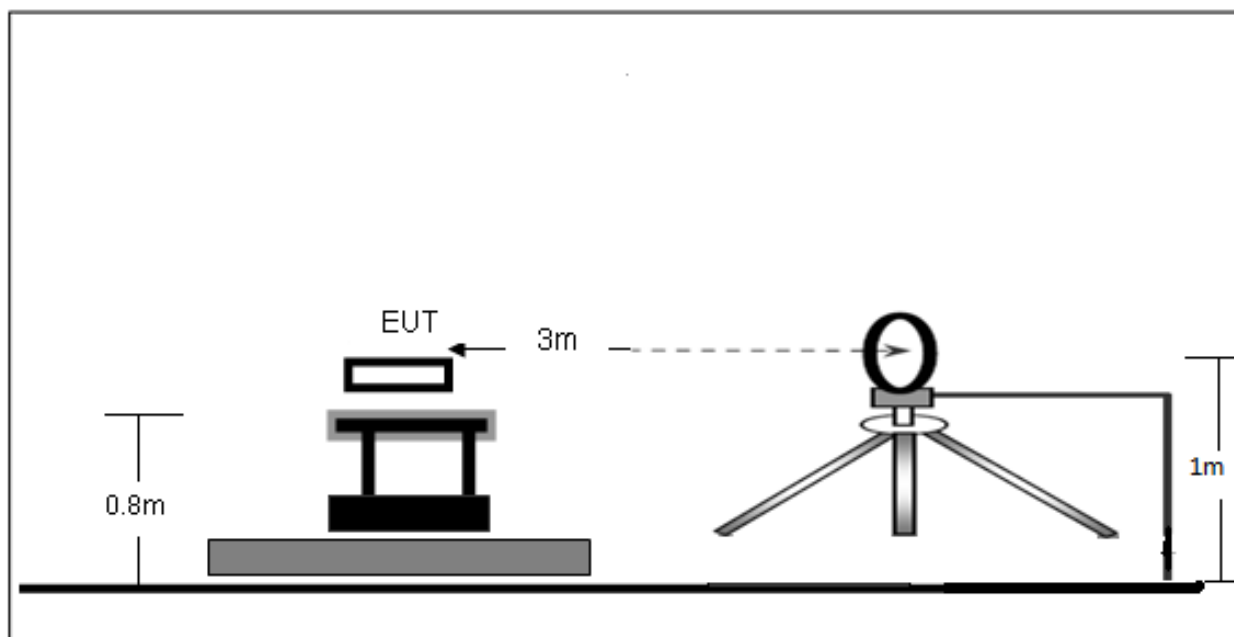
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1780	36.57	9.98	46.55	64.57	-18.02	QP	
2	0.1780	20.17	9.98	30.15	54.57	-24.42	AVG	
3	0.2220	34.06	10.01	44.07	62.74	-18.67	QP	
4	0.2220	16.92	10.01	26.93	52.74	-25.81	AVG	
5 *	0.6300	28.52	10.14	38.66	56.00	-17.34	QP	
6	0.6300	16.36	10.14	26.50	46.00	-19.50	AVG	
7	10.2459	20.31	10.93	31.24	60.00	-28.76	QP	
8	10.2459	7.95	10.93	18.88	50.00	-31.12	AVG	
9	18.2139	19.04	10.88	29.92	60.00	-30.08	QP	
10	18.2139	9.01	10.88	19.89	50.00	-30.11	AVG	
11	29.9980	27.91	11.05	38.96	60.00	-21.04	QP	
12	29.9980	10.65	11.05	21.70	50.00	-28.30	AVG	

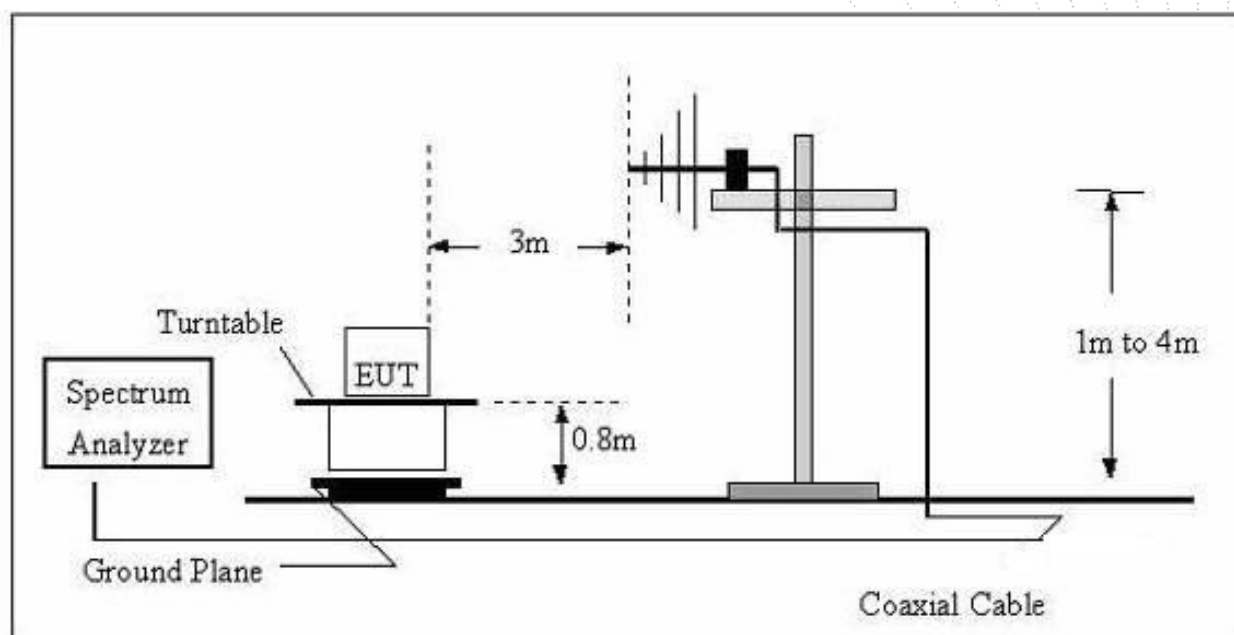
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

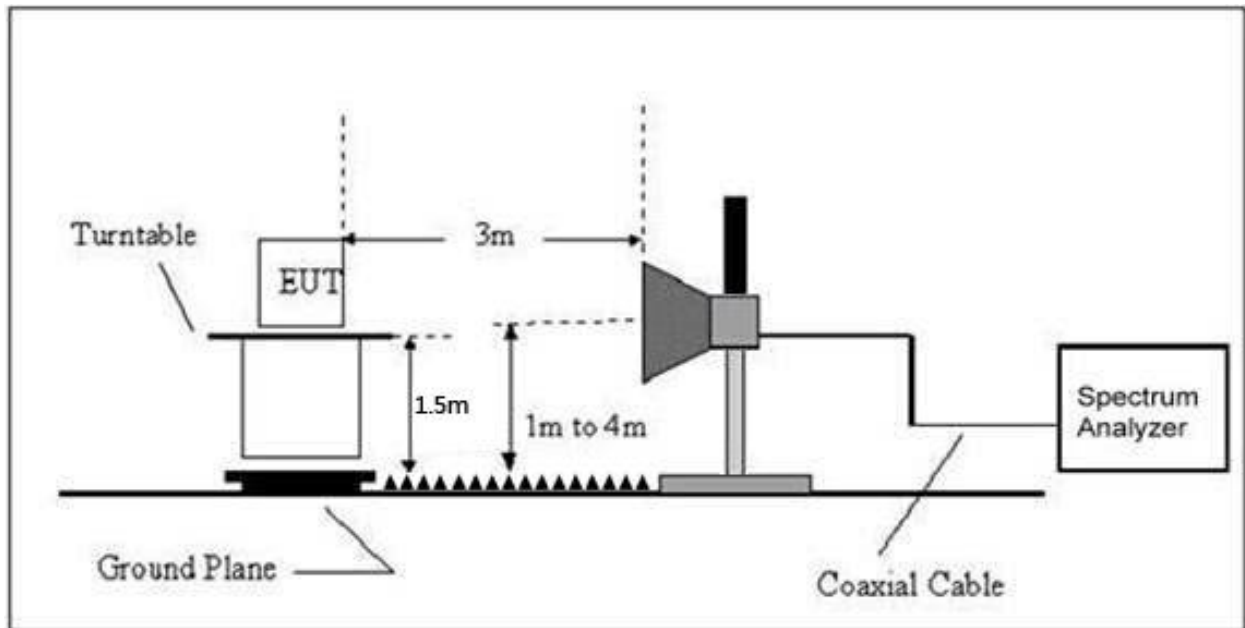
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



7.2 Limit

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

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

Limits Of Radiated Emission Measurement (Above 1000MHz)

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

Notes:

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

7.3 Test Procedure

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

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205.

It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

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

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

- 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 $RBWCF [dB] = 10 \cdot \lg(100 [kHz]/\text{narrower RBW [kHz]})$. , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.4 EUT Operating Conditions

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

7.5 Test Result

Below 30MHz

Temperature:	26°C	Relative Humidity:	24%
Pressure:	101 kPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 4	Polarization:	--

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

Note:

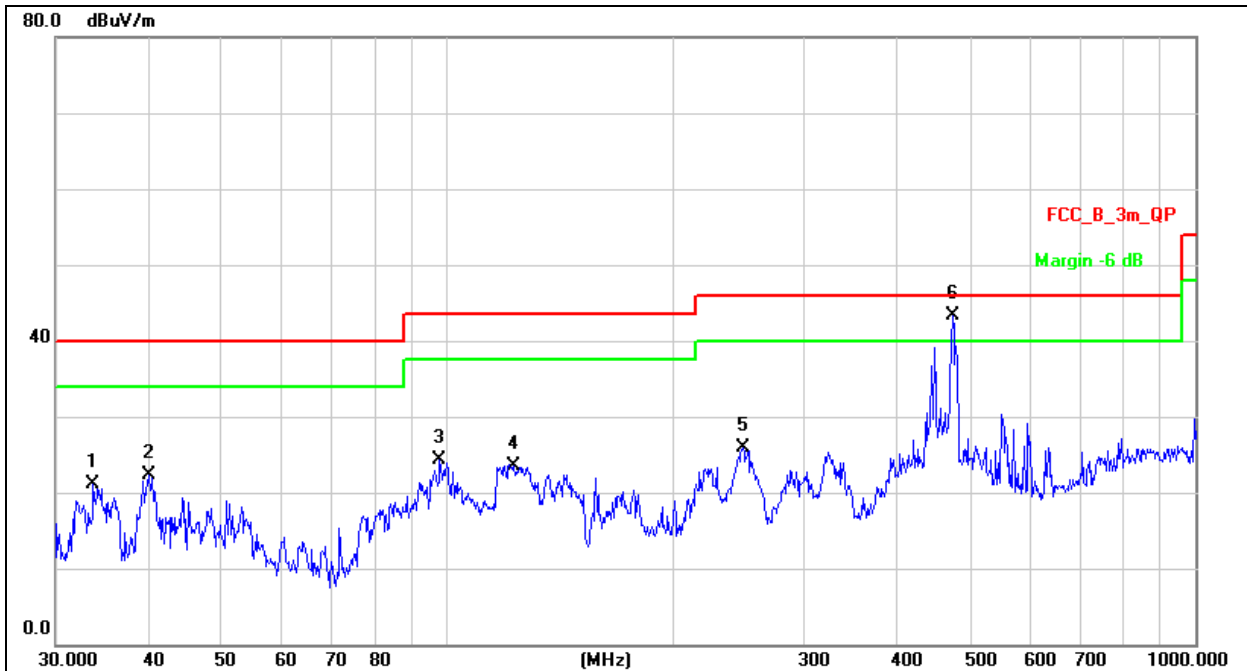
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Between 30MHz – 1GHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	AC120V/60Hz
Test Mode :	Mode 4	Polarization :	Horizontal

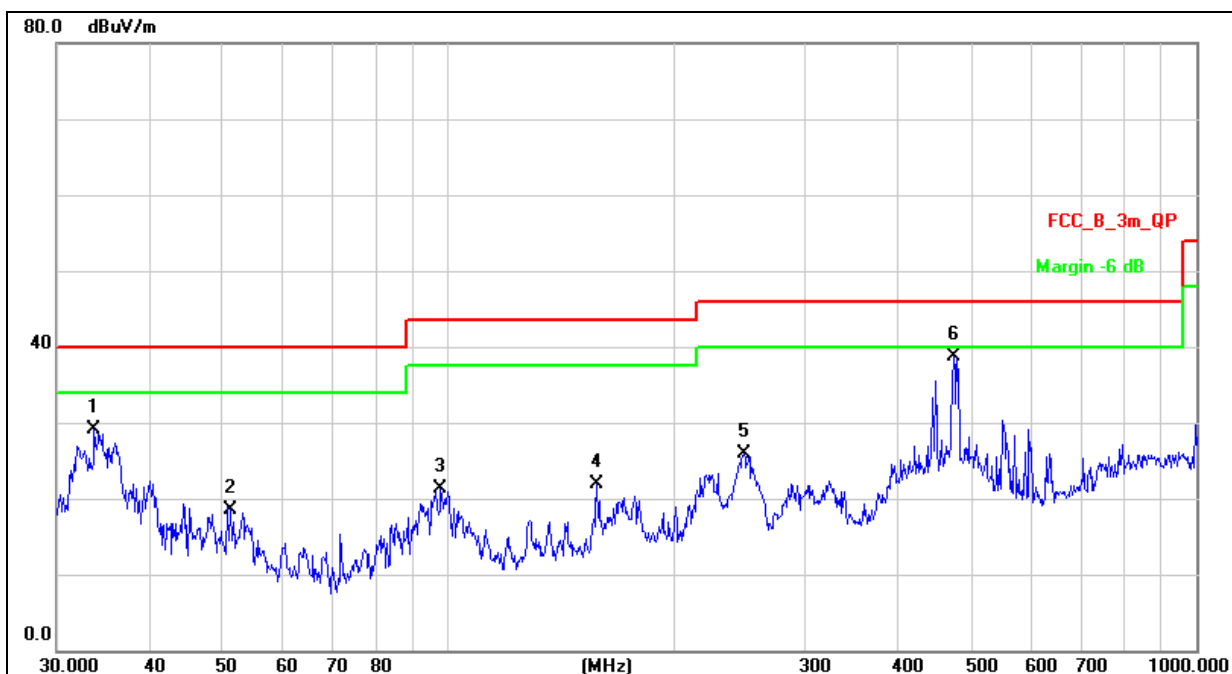


Remark:

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	Antenna Height	Table Degree	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	33.6802	30.61	-9.45	21.16	40.00	-18.84	QP		
2	39.9941	32.77	-10.43	22.34	40.00	-17.66	QP		
3	97.7980	37.59	-13.29	24.30	43.50	-19.20	QP		
4	122.8340	34.14	-10.61	23.53	43.50	-19.97	QP		
5	248.5517	35.33	-9.37	25.96	46.00	-20.04	QP		
6 *	473.8346	45.74	-2.46	43.28	46.00	-2.72	QP		

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101 kPa	Test Voltage :	AC120V/60Hz
Test Mode :	Mode 4	Polarization :	Vertical



Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		33.6802	38.61	-9.45	29.16	40.00	-10.84	QP		
2		51.3005	29.29	-10.76	18.53	40.00	-21.47	QP		
3		97.7983	34.59	-13.29	21.30	43.50	-22.20	QP		
4		158.1123	30.07	-8.25	21.82	43.50	-21.68	QP		
5		248.5519	35.33	-9.37	25.96	46.00	-20.04	QP		
6	*	473.8347	41.24	-2.46	38.78	46.00	-7.22	QP		

Between 1GHz – 40GHz

Test Mode :	TX(5.1G) - 802.11a
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.087	60.36	5.94	35.40	44.00	57.70	68.2	-10.50	PK
V	4434.087	43.81	5.94	35.40	44.00	41.15	54	-12.85	AV
V	10360.159	62.56	8.46	39.75	44.50	66.27	68.2	-1.93	PK
V	10360.159	43.79	8.46	39.75	44.50	47.50	54	-6.50	AV
V	15540.111	60.07	10.12	38.80	44.10	64.89	74	-9.11	PK
V	15540.111	43.44	10.12	38.80	42.70	49.66	54	-4.34	AV
H	4434.041	61.33	5.94	35.18	44.00	58.45	68.2	-9.75	PK
H	4434.041	43.56	5.94	35.18	44.00	40.68	54	-13.32	AV
H	10360.083	50.98	8.46	38.71	44.50	53.65	68.2	-14.55	PK
H	10360.083	41.68	8.46	38.71	44.50	44.35	54	-9.65	AV
H	15540.152	51.99	10.12	38.38	44.10	56.39	74	-17.61	PK
H	15540.152	43.28	10.12	38.38	44.10	47.68	54	-6.32	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.012	43.80	6.48	36.35	44.05	42.58	54	-11.42	PK
V	10400.098	60.72	8.47	37.88	44.51	62.56	68.2	-5.64	AV
V	10400.098	43.64	8.47	37.88	44.51	45.48	54	-8.52	PK
V	15600.188	62.10	10.12	38.80	44.10	66.92	74	-7.08	AV
V	15600.188	43.98	10.12	38.80	42.70	50.20	54	-3.80	PK
V	4592.044	63.23	6.48	36.37	44.05	62.03	74	-11.97	AV
H	4592.044	43.50	6.48	36.37	44.05	42.30	54	-11.70	PK
H	10400.145	51.94	8.47	38.64	44.50	54.55	68.2	-13.65	AV
H	10400.145	41.77	8.47	38.64	44.50	44.38	54	-9.62	PK
H	15600.048	51.67	10.12	38.38	44.10	56.07	74	-17.93	AV
H	15600.048	43.03	10.12	38.38	44.10	47.43	54	-6.57	PK
H	4592.012	43.80	6.48	36.35	44.05	42.58	54	-11.42	AV
High Channel (5240 MHz)-Above 1G									
V	4739.187	64.82	7.10	37.24	43.50	65.66	74	-8.34	PK
V	4739.187	43.00	7.10	37.24	43.50	43.84	54	-10.16	AV
V	10480.132	62.41	8.46	37.68	44.50	64.05	68.2	-4.15	PK
V	10480.132	43.65	8.46	37.68	44.50	45.29	54	-8.71	AV
V	15720.060	61.96	10.12	38.80	44.10	66.78	74	-7.22	PK
V	15720.060	43.48	10.12	38.80	42.70	49.70	54	-4.30	AV
H	4739.053	64.75	7.10	37.24	43.50	65.59	74	-8.41	PK
H	4739.053	43.98	7.10	37.24	43.50	44.82	54	-9.18	AV
H	10480.001	54.43	8.46	38.57	44.50	56.96	68.2	-11.24	PK
H	10480.001	44.69	8.46	38.57	44.50	47.22	54	-6.78	AV
H	15720.098	50.56	10.12	38.38	44.10	54.96	74	-19.04	PK
H	15720.098	42.41	10.12	38.38	44.10	46.81	54	-7.19	AV

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

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

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

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

The worst case is Antenna A.

Test Mode :	TX(5.1G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.024	64.88	5.94	35.40	44.00	62.22	68.2	-5.98	PK
V	4434.024	43.62	5.94	35.40	44.00	40.96	54	-13.04	AV
V	10360.070	62.89	8.46	39.75	44.50	66.60	68.2	-1.60	PK
V	10360.070	43.97	8.46	39.75	44.50	47.68	54	-6.32	AV
V	15540.096	62.05	10.12	38.80	44.10	66.87	74	-7.13	PK
V	15540.096	43.13	10.12	38.80	42.70	49.35	54	-4.65	AV
H	4434.060	63.66	5.94	35.18	44.00	60.78	68.2	-7.42	PK
H	4434.060	43.21	5.94	35.18	44.00	40.33	54	-13.67	AV
H	10360.032	53.04	8.46	38.71	44.50	55.71	68.2	-12.49	PK
H	10360.032	42.61	8.46	38.71	44.50	45.28	54	-8.72	AV
H	15540.108	54.15	10.12	38.38	44.10	58.55	74	-15.45	PK
H	15540.108	40.22	10.12	38.38	44.10	44.62	54	-9.38	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.010	62.53	6.48	36.35	44.05	61.31	74	-12.69	PK
V	4592.010	43.36	6.48	36.35	44.05	42.14	54	-11.86	AV
V	10400.185	63.27	8.47	37.88	44.51	65.11	68.2	-3.09	PK
V	10400.185	43.59	8.47	37.88	44.51	45.43	54	-8.57	AV
V	15600.173	64.25	10.12	38.80	44.10	69.07	74	-4.93	PK
V	15600.173	43.12	10.12	38.80	42.70	49.34	54	-4.66	AV
H	4592.013	64.75	6.48	36.37	44.05	63.55	74	-10.45	PK
H	4592.013	43.51	6.48	36.37	44.05	42.31	54	-11.69	AV
H	10400.078	51.36	8.47	38.64	44.50	53.97	68.2	-14.23	PK
H	10400.078	41.72	8.47	38.64	44.50	44.33	54	-9.67	AV
H	15600.160	53.80	10.12	38.38	44.10	58.20	74	-15.80	PK
H	15600.160	40.54	10.12	38.38	44.10	44.94	54	-9.06	AV
High Channel (5240 MHz)-Above 1G									
V	4739.002	63.23	7.10	37.24	43.50	64.07	74	-9.93	PK
V	4739.002	43.74	7.10	37.24	43.50	44.58	54	-9.42	AV
V	10480.182	62.69	8.46	37.68	44.50	64.33	68.2	-3.87	PK
V	10480.182	43.78	8.46	37.68	44.50	45.42	54	-8.58	AV
V	15720.162	61.24	10.12	38.80	44.10	66.06	74	-7.94	PK
V	15720.162	43.59	10.12	38.80	42.70	49.81	54	-4.19	AV
H	4739.128	63.67	7.10	37.24	43.50	64.51	74	-9.49	PK
H	4739.128	43.60	7.10	37.24	43.50	44.44	54	-9.56	AV
H	10480.127	54.29	8.46	38.57	44.50	56.82	68.2	-11.38	PK
H	10480.127	40.84	8.46	38.57	44.50	43.37	54	-10.63	AV
H	15720.101	50.01	10.12	38.38	44.10	54.41	74	-19.59	PK
H	15720.101	44.99	10.12	38.38	44.10	49.39	54	-4.61	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.040	64.58	5.94	35.40	44.00	61.92	68.2	-6.28	PK
V	4434.040	43.21	5.94	35.40	44.00	40.55	54	-13.45	AV
V	10380.123	63.33	8.46	39.75	44.50	67.04	68.2	-1.16	PK
V	10380.123	43.03	8.46	39.75	44.50	46.74	54	-7.26	AV
V	15570.058	61.77	10.12	38.80	44.10	66.59	74	-7.41	PK
V	15570.058	43.49	10.12	38.80	42.70	49.71	54	-4.29	AV
H	4434.001	62.16	5.94	35.18	44.00	59.28	74	-14.72	PK
H	4434.001	43.43	5.94	35.18	44.00	40.55	54	-13.45	AV
H	10380.071	52.62	8.46	38.71	44.50	55.29	68.2	-12.91	PK
H	10380.071	41.78	8.46	38.71	44.50	44.45	54	-9.55	AV
H	15570.031	51.22	10.12	38.38	44.10	55.62	74	-18.38	PK
H	15570.031	40.07	10.12	38.38	44.10	44.47	54	-9.53	AV
middle Channel (5230 MHz)-Above 1G									
V	4739.088	62.70	6.48	36.35	44.05	61.48	68.2	-6.72	PK
V	4739.088	43.53	6.48	36.35	44.05	42.31	54	-11.69	AV
V	10460.157	60.64	8.47	37.88	44.51	62.48	68.2	-5.72	PK
V	10460.157	43.59	8.47	37.88	44.51	45.43	54	-8.57	AV
V	15690.146	64.90	10.12	38.80	44.10	69.72	74	-4.28	PK
V	15690.146	43.29	10.12	38.80	42.70	49.51	54	-4.49	AV
H	4739.099	64.11	6.48	36.37	44.05	62.91	68.2	-5.29	PK
H	4739.099	43.73	6.48	36.37	44.05	42.53	54	-11.47	AV
H	10460.087	50.21	8.47	38.64	44.50	52.82	68.2	-15.38	PK
H	10460.087	40.33	8.47	38.64	44.50	42.94	54	-11.06	AV
H	15690.129	52.68	10.12	38.38	44.10	57.08	74	-16.92	PK
H	15690.129	42.17	10.12	38.38	44.10	46.57	54	-7.43	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(5.1G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.173	61.37	5.94	35.40	44.00	58.71	68.2	-9.49	PK
V	4434.173	43.92	5.94	35.40	44.00	41.26	54	-12.74	AV
V	10360.091	60.53	8.46	39.75	44.50	64.24	68.2	-3.96	PK
V	10360.091	43.34	8.46	39.75	44.50	47.05	54	-6.95	AV
V	15540.151	61.79	10.12	38.80	44.10	66.61	74	-7.39	PK
V	15540.151	43.67	10.12	38.80	42.70	49.89	54	-4.11	AV
H	4434.102	60.66	5.94	35.18	44.00	57.78	68.2	-10.42	PK
H	4434.102	43.29	5.94	35.18	44.00	40.41	54	-13.59	AV
H	10360.050	50.68	8.46	38.71	44.50	53.35	68.2	-14.85	PK
H	10360.050	44.10	8.46	38.71	44.50	46.77	54	-7.23	AV
H	15540.047	50.56	10.12	38.38	44.10	54.96	74	-19.04	PK
H	15540.047	40.53	10.12	38.38	44.10	44.93	54	-9.07	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.042	61.85	6.48	36.35	44.05	60.63	74	-13.37	PK
V	4592.042	43.08	6.48	36.35	44.05	41.86	54	-12.14	AV
V	10400.092	60.59	8.47	37.88	44.51	62.43	68.2	-5.77	PK
V	10400.092	43.14	8.47	37.88	44.51	44.98	54	-9.02	AV
V	15600.064	64.54	10.12	38.80	44.10	69.36	74	-4.64	PK
V	15600.064	43.42	10.12	38.80	42.70	49.64	54	-4.36	AV
H	4592.031	63.76	6.48	36.37	44.05	62.56	74	-11.44	PK
H	4592.031	43.51	6.48	36.37	44.05	42.31	54	-11.69	AV
H	10400.088	54.51	8.47	38.64	44.50	57.12	68.2	-11.08	PK
H	10400.088	43.68	8.47	38.64	44.50	46.29	54	-7.71	AV
H	15600.075	54.45	10.12	38.38	44.10	58.85	74	-15.15	PK
H	15600.075	41.79	10.12	38.38	44.10	46.19	54	-7.81	AV
High Channel (5240 MHz)-Above 1G									
V	4739.140	61.77	7.10	37.24	43.50	62.61	74	-11.39	PK
V	4739.140	43.87	7.10	37.24	43.50	44.71	54	-9.29	AV
V	10480.016	64.71	8.46	37.68	44.50	66.35	68.2	-1.85	PK
V	10480.016	43.17	8.46	37.68	44.50	44.81	54	-9.19	AV
V	15720.099	62.39	10.12	38.80	44.10	67.21	74	-6.79	PK
V	15720.099	43.62	10.12	38.80	42.70	49.84	54	-4.16	AV
H	4739.005	64.41	7.10	37.24	43.50	65.25	74	-8.75	PK
H	4739.005	43.90	7.10	37.24	43.50	44.74	54	-9.26	AV
H	10480.128	50.91	8.46	38.57	44.50	53.44	68.2	-14.76	PK
H	10480.128	43.90	8.46	38.57	44.50	46.43	54	-7.57	AV
H	15720.010	50.95	10.12	38.38	44.10	55.35	74	-18.65	PK
H	15720.010	44.97	10.12	38.38	44.10	49.37	54	-4.63	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.104	63.85	5.94	35.40	44.00	61.19	68.2	-7.01	PK
V	4434.104	43.53	5.94	35.40	44.00	40.87	54	-13.13	AV
V	10380.051	62.02	8.46	39.75	44.50	65.73	68.2	-2.47	PK
V	10380.051	43.01	8.46	39.75	44.50	46.72	54	-7.28	AV
V	15570.103	62.99	10.12	38.80	44.10	67.81	74	-6.19	PK
V	15570.103	43.97	10.12	38.80	42.70	50.19	54	-3.81	AV
H	4434.023	61.59	5.94	35.18	44.00	58.71	74	-15.29	PK
H	4434.023	43.12	5.94	35.18	44.00	40.24	54	-13.76	AV
H	10380.195	50.92	8.46	38.71	44.50	53.59	68.2	-14.61	PK
H	10380.195	41.08	8.46	38.71	44.50	43.75	54	-10.25	AV
H	15570.018	51.91	10.12	38.38	44.10	56.31	74	-17.69	PK
H	15570.018	42.77	10.12	38.38	44.10	47.17	54	-6.83	AV
High Channel (5230 MHz)-Above 1G									
V	4739.046	61.49	6.48	36.35	44.05	60.27	68.2	-7.93	PK
V	4739.046	43.18	6.48	36.35	44.05	41.96	54	-12.04	AV
V	10460.072	60.66	8.47	37.88	44.51	62.50	68.2	-5.70	PK
V	10460.072	43.14	8.47	37.88	44.51	44.98	54	-9.02	AV
V	15690.099	62.78	10.12	38.80	44.10	67.60	74	-6.40	PK
V	15690.099	43.58	10.12	38.80	42.70	49.80	54	-4.20	AV
H	4739.190	61.39	6.48	36.37	44.05	60.19	68.2	-8.01	PK
H	4739.190	43.25	6.48	36.37	44.05	42.05	54	-11.95	AV
H	10460.100	52.19	8.47	38.64	44.50	54.80	68.2	-13.40	PK
H	10460.100	42.47	8.47	38.64	44.50	45.08	54	-8.92	AV
H	15690.090	51.85	10.12	38.38	44.10	56.25	74	-17.75	PK
H	15690.090	41.24	10.12	38.38	44.10	45.64	54	-8.36	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-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5210 MHz)-Above 1G									
V	4434.136	62.30	5.94	35.40	44.00	59.64	68.2	-8.56	PK
V	4434.136	43.55	5.94	35.40	44.00	40.89	54	-13.11	AV
V	10420.099	62.52	8.46	39.75	44.50	66.23	68.2	-1.97	PK
V	10420.099	43.83	8.46	39.75	44.50	47.54	54	-6.46	AV
V	15630.004	64.86	10.12	38.80	44.10	69.68	74	-4.32	PK
V	15630.004	43.23	10.12	38.80	42.70	49.45	54	-4.55	AV
H	4434.149	62.11	5.94	35.18	44.00	59.23	68.2	-8.97	PK
H	4434.149	43.43	5.94	35.18	44.00	40.55	54	-13.45	AV
H	10420.157	51.13	8.46	38.71	44.50	53.80	68.2	-14.40	PK
H	10420.157	41.04	8.46	38.71	44.50	43.71	54	-10.29	AV
H	15630.001	50.70	10.12	38.38	44.10	55.10	74	-18.90	PK
H	15630.001	40.23	10.12	38.38	44.10	44.63	54	-9.37	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-HE20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.005	62.57	5.94	35.40	44.00	59.91	68.2	-8.29	PK
V	4434.005	43.49	5.94	35.40	44.00	40.83	54	-13.17	AV
V	10360.006	61.07	8.46	39.75	44.50	64.78	68.2	-3.42	PK
V	10360.006	43.67	8.46	39.75	44.50	47.38	54	-6.62	AV
V	15540.007	60.06	10.12	38.80	44.10	64.88	74	-9.12	PK
V	15540.007	43.40	10.12	38.80	42.70	49.62	54	-4.38	AV
H	4434.068	61.79	5.94	35.18	44.00	58.91	68.2	-9.29	PK
H	4434.068	43.02	5.94	35.18	44.00	40.14	54	-13.86	AV
H	10360.176	53.69	8.46	38.71	44.50	56.36	68.2	-11.84	PK
H	10360.176	42.40	8.46	38.71	44.50	45.07	54	-8.93	AV
H	15540.108	53.77	10.12	38.38	44.10	58.17	74	-15.83	PK
H	15540.108	40.87	10.12	38.38	44.10	45.27	54	-8.73	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.096	62.50	6.48	36.35	44.05	61.28	74	-12.72	PK
V	4592.096	43.44	6.48	36.35	44.05	42.22	54	-11.78	AV
V	10400.072	64.84	8.47	37.88	44.51	66.68	68.2	-1.52	PK
V	10400.072	43.95	8.47	37.88	44.51	45.79	54	-8.21	AV
V	15600.050	63.32	10.12	38.80	44.10	68.14	74	-5.86	PK
V	15600.050	43.64	10.12	38.80	42.70	49.86	54	-4.14	AV
H	4592.081	62.94	6.48	36.37	44.05	61.74	74	-12.26	PK
H	4592.081	43.92	6.48	36.37	44.05	42.72	54	-11.28	AV
H	10400.006	51.72	8.47	38.64	44.50	54.33	68.2	-13.87	PK
H	10400.006	41.16	8.47	38.64	44.50	43.77	54	-10.23	AV
H	15600.047	51.32	10.12	38.38	44.10	55.72	74	-18.28	PK
H	15600.047	40.48	10.12	38.38	44.10	44.88	54	-9.12	AV
High Channel (5240 MHz)-Above 1G									
V	4739.074	64.09	7.10	37.24	43.50	64.93	74	-9.07	PK
V	4739.074	43.47	7.10	37.24	43.50	44.31	54	-9.69	AV
V	10480.080	62.52	8.46	37.68	44.50	64.16	68.2	-4.04	PK
V	10480.080	43.41	8.46	37.68	44.50	45.05	54	-8.95	AV
V	15720.084	63.76	10.12	38.80	44.10	68.58	74	-5.42	PK
V	15720.084	43.45	10.12	38.80	42.70	49.67	54	-4.33	AV
H	4739.089	62.89	7.10	37.24	43.50	63.73	74	-10.27	PK
H	4739.089	43.29	7.10	37.24	43.50	44.13	54	-9.87	AV
H	10480.065	52.04	8.46	38.57	44.50	54.57	68.2	-13.63	PK
H	10480.065	42.95	8.46	38.57	44.50	45.48	54	-8.52	AV
H	15720.160	51.34	10.12	38.38	44.10	55.74	74	-18.26	PK
H	15720.160	41.00	10.12	38.38	44.10	45.40	54	-8.60	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-HE40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.066	63.88	5.94	35.40	44.00	61.22	68.2	-6.98	PK
V	4434.066	43.49	5.94	35.40	44.00	40.83	54	-13.17	AV
V	10380.187	60.58	8.46	39.75	44.50	64.29	68.2	-3.91	PK
V	10380.187	43.53	8.46	39.75	44.50	47.24	54	-6.76	AV
V	15570.134	61.57	10.12	38.80	44.10	66.39	74	-7.61	PK
V	15570.134	43.19	10.12	38.80	42.70	49.41	54	-4.59	AV
H	4434.172	63.63	5.94	35.18	44.00	60.75	74	-13.25	PK
H	4434.172	43.53	5.94	35.18	44.00	40.65	54	-13.35	AV
H	10380.085	51.01	8.46	38.71	44.50	53.68	68.2	-14.52	PK
H	10380.085	44.83	8.46	38.71	44.50	47.50	54	-6.50	AV
H	15570.048	52.83	10.12	38.38	44.10	57.23	74	-16.77	PK
H	15570.048	41.67	10.12	38.38	44.10	46.07	54	-7.93	AV
High Channel (5230 MHz)-Above 1G									
V	4739.117	62.57	6.48	36.35	44.05	61.35	68.2	-6.85	PK
V	4739.117	43.79	6.48	36.35	44.05	42.57	54	-11.43	AV
V	10460.168	62.13	8.47	37.88	44.51	63.97	68.2	-4.23	PK
V	10460.168	43.92	8.47	37.88	44.51	45.76	54	-8.24	AV
V	15690.189	60.95	10.12	38.80	44.10	65.77	74	-8.23	PK
V	15690.189	43.04	10.12	38.80	42.70	49.26	54	-4.74	AV
H	4739.139	64.75	6.48	36.37	44.05	63.55	68.2	-4.65	PK
H	4739.139	43.97	6.48	36.37	44.05	42.77	54	-11.23	AV
H	10460.172	51.80	8.47	38.64	44.50	54.41	68.2	-13.79	PK
H	10460.172	41.39	8.47	38.64	44.50	44.00	54	-10.00	AV
H	15690.042	54.95	10.12	38.38	44.10	59.35	74	-14.65	PK
H	15690.042	42.59	10.12	38.38	44.10	46.99	54	-7.01	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-HE80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5210 MHz)-Above 1G									
V	4434.129	61.45	5.94	35.40	44.00	58.79	68.2	-9.41	PK
V	4434.129	43.35	5.94	35.40	44.00	40.69	54	-13.31	AV
V	10420.165	63.83	8.46	39.75	44.50	67.54	68.2	-0.66	PK
V	10420.165	43.96	8.46	39.75	44.50	47.67	54	-6.33	AV
V	15630.174	64.25	10.12	38.80	44.10	69.07	74	-4.93	PK
V	15630.174	43.75	10.12	38.80	42.70	49.97	54	-4.03	AV
H	4434.184	63.46	5.94	35.18	44.00	60.58	68.2	-7.62	PK
H	4434.184	43.28	5.94	35.18	44.00	40.40	54	-13.60	AV
H	10420.015	53.05	8.46	38.71	44.50	55.72	68.2	-12.48	PK
H	10420.015	44.95	8.46	38.71	44.50	47.62	54	-6.38	AV
H	15630.027	50.09	10.12	38.38	44.10	54.49	74	-19.51	PK
H	15630.027	41.02	10.12	38.38	44.10	45.42	54	-8.58	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.097	56.78	5.94	35.40	44.00	54.12	74	-19.88	PK
V	4679.097	43.44	5.94	35.40	44.00	40.78	54	-13.22	AV
V	11490.065	54.98	8.46	39.75	44.50	58.69	68.2	-9.51	PK
V	11490.065	43.81	8.46	39.75	44.50	47.52	54	-6.48	AV
V	17235.030	59.34	10.12	38.80	44.10	64.16	68.2	-4.04	PK
V	17235.030	43.20	10.12	38.80	42.70	49.42	54	-4.58	AV
H	4679.067	56.58	5.94	35.18	44.00	53.70	74	-20.30	PK
H	4679.067	43.29	5.94	35.18	44.00	40.41	54	-13.59	AV
H	11490.102	50.41	8.46	38.71	44.50	53.08	68.2	-15.12	PK
H	11490.102	40.04	8.46	38.71	44.50	42.71	54	-11.29	AV
H	17235.153	51.55	10.12	38.38	44.10	55.95	68.2	-12.25	PK
H	17235.153	43.36	10.12	38.38	44.10	47.76	54	-6.24	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.153	57.84	6.48	36.35	44.05	56.62	74	-17.38	PK
V	4592.153	43.92	6.48	36.35	44.05	42.70	54	-11.30	AV
V	11570.193	57.91	8.47	37.88	44.51	59.75	68.2	-8.45	PK
V	11570.193	43.39	8.47	37.88	44.51	45.23	54	-8.77	AV
V	17355.129	60.18	10.12	38.80	44.10	65.00	68.2	-3.20	PK
V	17355.129	39.19	10.12	38.80	42.70	45.41	54	-8.59	AV
H	4592.094	55.27	6.48	36.37	44.05	54.07	74	-19.93	PK
H	4592.094	43.63	6.48	36.37	44.05	42.43	54	-11.57	AV
H	11570.053	52.01	8.47	38.64	44.50	54.62	68.2	-13.58	PK
H	11570.053	40.53	8.47	38.64	44.50	43.14	54	-10.86	AV
H	17355.051	52.36	10.12	38.38	44.10	56.76	68.2	-11.44	PK
H	17355.051	41.18	10.12	38.38	44.10	45.58	54	-8.42	AV
High Channel (5825 MHz)-Above 1G									
V	6039.174	58.61	7.10	37.24	43.50	59.45	68.2	-8.75	PK
V	6039.174	43.80	7.10	37.24	43.50	44.64	54	-9.36	AV
V	11650.063	58.54	8.46	37.68	44.50	60.18	74	-13.82	PK
V	11650.063	43.74	8.46	37.68	44.50	45.38	54	-8.62	AV
V	17475.025	57.70	10.12	38.80	44.10	62.52	68.2	-5.68	PK
V	17475.025	43.35	10.12	38.80	42.70	49.57	54	-4.43	AV
H	6039.102	57.16	7.10	37.24	43.50	58.00	68.2	-10.20	PK
H	6039.102	43.57	7.10	37.24	43.50	44.41	54	-9.59	AV
H	11650.112	52.01	8.46	38.57	44.50	54.54	74	-19.46	PK
H	11650.112	40.33	8.46	38.57	44.50	42.86	54	-11.14	AV
H	17475.050	53.10	10.12	38.38	44.10	57.50	68.2	-10.70	PK
H	17475.050	43.34	10.12	38.38	44.10	47.74	54	-6.26	AV

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

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

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

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

The worst case is Antenna A.

Test Mode:	TX(5.8G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.002	58.94	5.94	35.40	44.00	56.28	74	-17.72	PK
V	4679.002	43.98	5.94	35.40	44.00	41.32	54	-12.68	AV
V	11490.069	55.79	8.46	39.75	44.50	59.50	68.2	-8.70	PK
V	11490.069	43.37	8.46	39.75	44.50	47.08	54	-6.92	AV
V	17235.148	61.11	10.12	38.80	44.10	65.93	68.2	-2.27	PK
V	17235.148	43.27	10.12	38.80	42.70	49.49	54	-4.51	AV
H	4679.117	58.52	5.94	35.18	44.00	55.64	74	-18.36	PK
H	4679.117	43.98	5.94	35.18	44.00	41.10	54	-12.90	AV
H	11490.058	50.18	8.46	38.71	44.50	52.85	68.2	-15.35	PK
H	11490.058	41.99	8.46	38.71	44.50	44.66	54	-9.34	AV
H	17235.014	52.98	10.12	38.38	44.10	57.38	68.2	-10.82	PK
H	17235.014	41.02	10.12	38.38	44.10	45.42	54	-8.58	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.153	58.52	6.48	36.35	44.05	57.30	74	-16.70	PK
V	4592.153	43.87	6.48	36.35	44.05	42.65	54	-11.35	AV
V	11570.151	54.14	8.47	37.88	44.51	55.98	68.2	-12.22	PK
V	11570.151	43.28	8.47	37.88	44.51	45.12	54	-8.88	AV
V	17355.052	60.92	10.12	38.80	44.10	65.74	68.2	-2.46	PK
V	17355.052	43.76	10.12	38.80	42.70	49.98	54	-4.02	AV
H	4592.084	56.86	6.48	36.37	44.05	55.66	74	-18.34	PK
H	4592.084	43.19	6.48	36.37	44.05	41.99	54	-12.01	AV
H	11570.130	52.99	8.47	38.64	44.50	55.60	68.2	-12.60	PK
H	11570.130	40.52	8.47	38.64	44.50	43.13	54	-10.87	AV
H	17355.077	54.29	10.12	38.38	44.10	58.69	68.2	-9.51	PK
H	17355.077	43.87	10.12	38.38	44.10	48.27	54	-5.73	AV
High Channel (5825 MHz)-Above 1G									
V	6039.191	59.82	7.10	37.24	43.50	60.66	68.2	-7.54	PK
V	6039.191	43.14	7.10	37.24	43.50	43.98	54	-10.02	AV
V	11650.126	59.79	8.46	37.68	44.50	61.43	74	-12.57	PK
V	11650.126	43.85	8.46	37.68	44.50	45.49	54	-8.51	AV
V	17475.103	57.37	10.12	38.80	44.10	62.19	68.2	-6.01	PK
V	17475.103	43.87	10.12	38.80	42.70	50.09	54	-3.91	AV
H	6039.047	56.62	7.10	37.24	43.50	57.46	68.2	-10.74	PK
H	6039.047	43.67	7.10	37.24	43.50	44.51	54	-9.49	AV
H	11650.182	52.28	8.46	38.57	44.50	54.81	74	-19.19	PK
H	11650.182	42.79	8.46	38.57	44.50	45.32	54	-8.68	AV
H	17475.001	54.83	10.12	38.38	44.10	59.23	68.2	-8.97	PK
H	17475.001	40.64	10.12	38.38	44.10	45.04	54	-8.96	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.119	56.11	5.94	35.40	44.00	53.45	74	-20.55	PK
V	4679.119	43.65	5.94	35.40	44.00	40.99	54	-13.01	AV
V	11510.137	56.49	8.46	39.75	44.50	60.20	74	-13.80	PK
V	11510.137	43.48	8.46	39.75	44.50	47.19	54	-6.81	AV
V	17265.097	58.43	10.12	38.80	44.10	63.25	68.2	-4.95	PK
V	17265.097	2.00	10.12	38.80	42.70	8.22	54	-45.78	AV
H	4679.094	59.25	5.94	35.18	44.00	56.37	74	-17.63	PK
H	4679.094	43.70	5.94	35.18	44.00	40.82	54	-13.18	AV
H	11510.108	51.79	8.46	38.71	44.50	54.46	74	-19.54	PK
H	11510.108	44.43	8.46	38.71	44.50	47.10	54	-6.90	AV
H	17265.102	54.84	10.12	38.38	44.10	59.24	68.2	-8.96	PK
H	17265.102	43.62	10.12	38.38	44.10	48.02	54	-5.98	AV
High Channel (5795 MHz)-Above 1G									
V	6039.163	60.10	6.48	36.35	44.05	58.88	68.2	-9.32	PK
V	6039.163	43.43	6.48	36.35	44.05	42.21	54	-11.79	AV
V	11590.109	57.11	8.47	37.88	44.51	58.95	74	-15.05	PK
V	11590.109	43.21	8.47	37.88	44.51	45.05	54	-8.95	AV
V	17385.088	55.53	10.12	38.80	44.10	60.35	68.2	-7.85	PK
V	17385.088	41.21	10.12	38.80	42.70	47.43	54	-6.57	AV
H	6039.120	59.67	6.48	36.37	44.05	58.47	68.2	-9.73	PK
H	6039.120	43.87	6.48	36.37	44.05	42.67	54	-11.33	AV
H	11590.157	50.02	8.47	38.64	44.50	52.63	74	-21.37	PK
H	11590.157	40.97	8.47	38.64	44.50	43.58	54	-10.42	AV
H	17385.019	54.87	10.12	38.38	44.10	59.27	68.2	-8.93	PK
H	17385.019	40.67	10.12	38.38	44.10	45.07	54	-8.93	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.190	59.89	5.94	35.40	44.00	57.23	74	-16.77	PK
V	4679.190	43.71	5.94	35.40	44.00	41.05	54	-12.95	AV
V	11490.157	57.46	8.46	39.75	44.50	61.17	68.2	-7.03	PK
V	11490.157	43.17	8.46	39.75	44.50	46.88	54	-7.12	AV
V	17235.003	60.37	10.12	38.80	44.10	65.19	68.2	-3.01	PK
V	17235.003	43.29	10.12	38.80	42.70	49.51	54	-4.49	AV
H	4679.111	54.78	5.94	35.18	44.00	51.90	74	-22.10	PK
H	4679.111	43.31	5.94	35.18	44.00	40.43	54	-13.57	AV
H	11490.127	52.21	8.46	38.71	44.50	54.88	68.2	-13.32	PK
H	11490.127	43.05	8.46	38.71	44.50	45.72	54	-8.28	AV
H	17235.168	50.07	10.12	38.38	44.10	54.47	68.2	-13.73	PK
H	17235.168	44.82	10.12	38.38	44.10	49.22	54	-4.78	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.004	58.72	6.48	36.35	44.05	57.50	74	-16.50	PK
V	4592.004	43.73	6.48	36.35	44.05	42.51	54	-11.49	AV
V	11570.185	55.04	8.47	37.88	44.51	56.88	68.2	-11.32	PK
V	11570.185	43.15	8.47	37.88	44.51	44.99	54	-9.01	AV
V	17355.184	58.74	10.12	38.80	44.10	63.56	68.2	-4.64	PK
V	17355.184	39.64	10.12	38.80	42.70	45.86	54	-8.14	AV
H	4592.133	55.30	6.48	36.37	44.05	54.10	74	-19.90	PK
H	4592.133	43.78	6.48	36.37	44.05	42.58	54	-11.42	AV
H	11570.018	54.75	8.47	38.64	44.50	57.36	68.2	-10.84	PK
H	11570.018	44.02	8.47	38.64	44.50	46.63	54	-7.37	AV
H	17355.110	50.39	10.12	38.38	44.10	54.79	68.2	-13.41	PK
H	17355.110	40.16	10.12	38.38	44.10	44.56	54	-9.44	AV
High Channel (5825 MHz)-Above 1G									
V	6039.084	58.91	7.10	37.24	43.50	59.75	68.2	-8.45	PK
V	6039.084	43.32	7.10	37.24	43.50	44.16	54	-9.84	AV
V	11650.126	61.55	8.46	37.68	44.50	63.19	74	-10.81	PK
V	11650.126	43.10	8.46	37.68	44.50	44.74	54	-9.26	AV
V	17475.003	55.59	10.12	38.80	44.10	60.41	68.2	-7.79	PK
V	17475.003	43.28	10.12	38.80	42.70	49.50	54	-4.50	AV
H	6039.084	55.65	7.10	37.24	43.50	56.49	68.2	-11.71	PK
H	6039.084	43.44	7.10	37.24	43.50	44.28	54	-9.72	AV
H	11650.100	54.12	8.46	38.57	44.50	56.65	74	-17.35	PK
H	11650.100	44.56	8.46	38.57	44.50	47.09	54	-6.91	AV
H	17475.146	52.40	10.12	38.38	44.10	56.80	68.2	-11.40	PK
H	17475.146	43.68	10.12	38.38	44.10	48.08	54	-5.92	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.091	56.89	5.94	35.40	44.00	54.23	74	-19.77	Pk
V	4679.091	43.09	5.94	35.40	44.00	40.43	54	-13.57	AV
V	11510.105	56.78	8.46	39.75	44.50	60.49	74	-13.51	Pk
V	11510.105	43.57	8.46	39.75	44.50	47.28	54	-6.72	AV
V	17265.001	56.65	10.12	38.80	44.10	61.47	68.2	-6.73	Pk
V	17265.001	2.00	10.12	38.80	42.70	8.22	54	-45.78	AV
H	4679.006	60.25	5.94	35.18	44.00	57.37	74	-16.63	Pk
H	4679.006	43.98	5.94	35.18	44.00	41.10	54	-12.90	AV
H	11510.067	53.25	8.46	38.71	44.50	55.92	74	-18.08	Pk
H	11510.067	43.11	8.46	38.71	44.50	45.78	54	-8.22	AV
H	17265.100	52.61	10.12	38.38	44.10	57.01	68.2	-11.19	Pk
H	17265.100	44.97	10.12	38.38	44.10	49.37	54	-4.63	AV
High Channel (5795 MHz)-Above 1G									
V	6039.106	58.62	6.48	36.35	44.05	57.40	68.2	-10.80	Pk
V	6039.106	43.28	6.48	36.35	44.05	42.06	54	-11.94	AV
V	11590.100	57.98	8.47	37.88	44.51	59.82	74	-14.18	Pk
V	11590.100	43.83	8.47	37.88	44.51	45.67	54	-8.33	AV
V	17385.058	55.90	10.12	38.80	44.10	60.72	68.2	-7.48	Pk
V	17385.058	41.61	10.12	38.80	42.70	47.83	54	-6.17	AV
H	6039.168	57.46	6.48	36.37	44.05	56.26	68.2	-11.94	Pk
H	6039.168	43.81	6.48	36.37	44.05	42.61	54	-11.39	AV
H	11590.187	54.29	8.47	38.64	44.50	56.90	74	-17.10	Pk
H	11590.187	44.05	8.47	38.64	44.50	46.66	54	-7.34	AV
H	17385.117	51.72	10.12	38.38	44.10	56.12	68.2	-12.08	Pk
H	17385.117	40.12	10.12	38.38	44.10	44.52	54	-9.48	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
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5775 MHz)-Above 1G									
V	4679.145	57.09	5.94	35.40	44.00	54.43	74	-19.57	Pk
V	4679.145	43.65	5.94	35.40	44.00	40.99	54	-13.01	AV
V	11550.166	57.94	8.46	39.75	44.50	61.65	74	-12.35	Pk
V	11550.166	43.92	8.46	39.75	44.50	47.63	54	-6.37	AV
V	17325.144	56.27	10.12	38.80	44.10	61.09	68.2	-7.11	Pk
V	17325.144	41.94	10.12	38.80	42.70	48.16	54	-5.84	AV
H	4679.118	58.24	5.94	35.18	44.00	55.36	74	-18.64	Pk
H	4679.118	43.94	5.94	35.18	44.00	41.06	54	-12.94	AV
H	11550.109	52.61	8.46	38.71	44.50	55.28	74	-18.72	Pk
H	11550.109	42.67	8.46	38.71	44.50	45.34	54	-8.66	AV
H	17325.093	54.15	10.12	38.38	44.10	58.55	68.2	-9.65	Pk
H	17325.093	43.67	10.12	38.38	44.10	48.07	54	-5.93	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ax-HE20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4434.118	61.59	5.94	35.40	44.00	58.93	68.2	-9.27	PK
V	4434.118	43.27	5.94	35.40	44.00	40.61	54	-13.39	AV
V	10360.159	62.03	8.46	39.75	44.50	65.74	68.2	-2.46	PK
V	10360.159	43.00	8.46	39.75	44.50	46.71	54	-7.29	AV
V	15540.151	62.62	10.12	38.80	44.10	67.44	74	-6.56	PK
V	15540.151	43.18	10.12	38.80	42.70	49.40	54	-4.60	AV
H	4434.200	62.63	5.94	35.18	44.00	59.75	68.2	-8.45	PK
H	4434.200	43.57	5.94	35.18	44.00	40.69	54	-13.31	AV
H	10360.061	50.47	8.46	38.71	44.50	53.14	68.2	-15.06	PK
H	10360.061	43.91	8.46	38.71	44.50	46.58	54	-7.42	AV
H	15540.142	53.58	10.12	38.38	44.10	57.98	74	-16.02	PK
H	15540.142	41.82	10.12	38.38	44.10	46.22	54	-7.78	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.189	63.73	6.48	36.35	44.05	62.51	74	-11.49	PK
V	4592.189	43.06	6.48	36.35	44.05	41.84	54	-12.16	AV
V	10400.146	62.01	8.47	37.88	44.51	63.85	68.2	-4.35	PK
V	10400.146	43.18	8.47	37.88	44.51	45.02	54	-8.98	AV
V	15600.015	63.02	10.12	38.80	44.10	67.84	74	-6.16	PK
V	15600.015	43.71	10.12	38.80	42.70	49.93	54	-4.07	AV
H	4592.176	63.44	6.48	36.37	44.05	62.24	74	-11.76	PK
H	4592.176	43.91	6.48	36.37	44.05	42.71	54	-11.29	AV
H	10400.087	53.00	8.47	38.64	44.50	55.61	68.2	-12.59	PK
H	10400.087	43.62	8.47	38.64	44.50	46.23	54	-7.77	AV
H	15600.014	54.39	10.12	38.38	44.10	58.79	74	-15.21	PK
H	15600.014	40.27	10.12	38.38	44.10	44.67	54	-9.33	AV
High Channel (5825 MHz)-Above 1G									
V	4739.199	61.16	7.10	37.24	43.50	62.00	74	-12.00	PK
V	4739.199	43.41	7.10	37.24	43.50	44.25	54	-9.75	AV
V	10480.172	64.24	8.46	37.68	44.50	65.88	68.2	-2.32	PK
V	10480.172	43.30	8.46	37.68	44.50	44.94	54	-9.06	AV
V	15720.097	61.54	10.12	38.80	44.10	66.36	74	-7.64	PK
V	15720.097	43.89	10.12	38.80	42.70	50.11	54	-3.89	AV
H	4739.124	60.23	7.10	37.24	43.50	61.07	74	-12.93	PK
H	4739.124	43.45	7.10	37.24	43.50	44.29	54	-9.71	AV
H	10480.167	51.02	8.46	38.57	44.50	53.55	68.2	-14.65	PK
H	10480.167	43.41	8.46	38.57	44.50	45.94	54	-8.06	AV
H	15720.049	52.92	10.12	38.38	44.10	57.32	74	-16.68	PK
H	15720.049	43.12	10.12	38.38	44.10	47.52	54	-6.48	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-HE40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4434.047	64.61	5.94	35.40	44.00	61.95	68.2	-6.25	Pk
V	4434.047	43.21	5.94	35.40	44.00	40.55	54	-13.45	AV
V	10380.001	62.85	8.46	39.75	44.50	66.56	68.2	-1.64	Pk
V	10380.001	43.67	8.46	39.75	44.50	47.38	54	-6.62	AV
V	15570.199	63.51	10.12	38.80	44.10	68.33	74	-5.67	Pk
V	15570.199	43.08	10.12	38.80	42.70	49.30	54	-4.70	AV
H	4434.149	61.25	5.94	35.18	44.00	58.37	74	-15.63	Pk
H	4434.149	43.46	5.94	35.18	44.00	40.58	54	-13.42	AV
H	10380.120	51.13	8.46	38.71	44.50	53.80	68.2	-14.40	Pk
H	10380.120	40.64	8.46	38.71	44.50	43.31	54	-10.69	AV
H	15570.091	53.35	10.12	38.38	44.10	57.75	74	-16.25	Pk
H	15570.091	40.97	10.12	38.38	44.10	45.37	54	-8.63	AV
High Channel (5795 MHz)-Above 1G									
V	4739.074	64.55	6.48	36.35	44.05	63.33	68.2	-4.87	Pk
V	4739.074	43.10	6.48	36.35	44.05	41.88	54	-12.12	AV
V	10460.018	63.35	8.47	37.88	44.51	65.19	68.2	-3.01	Pk
V	10460.018	43.63	8.47	37.88	44.51	45.47	54	-8.53	AV
V	15690.173	62.50	10.12	38.80	44.10	67.32	74	-6.68	Pk
V	15690.173	43.11	10.12	38.80	42.70	49.33	54	-4.67	AV
H	4739.105	61.69	6.48	36.37	44.05	60.49	68.2	-7.71	Pk
H	4739.105	43.19	6.48	36.37	44.05	41.99	54	-12.01	AV
H	10460.070	54.42	8.47	38.64	44.50	57.03	68.2	-11.17	Pk
H	10460.070	42.85	8.47	38.64	44.50	45.46	54	-8.54	AV
H	15690.055	54.03	10.12	38.38	44.10	58.43	74	-15.57	Pk
H	15690.055	44.86	10.12	38.38	44.10	49.26	54	-4.74	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) - 802.11ax-HE80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5775 MHz)-Above 1G									
V	4434.049	63.50	5.94	35.40	44.00	60.84	68.2	-7.36	Pk
V	4434.049	43.54	5.94	35.40	44.00	40.88	54	-13.12	AV
V	10420.088	60.47	8.46	39.75	44.50	64.18	68.2	-4.02	Pk
V	10420.088	43.89	8.46	39.75	44.50	47.60	54	-6.40	AV
V	15630.053	62.72	10.12	38.80	44.10	67.54	74	-6.46	Pk
V	15630.053	43.66	10.12	38.80	42.70	49.88	54	-4.12	AV
H	4434.147	60.26	5.94	35.18	44.00	57.38	68.2	-10.82	Pk
H	4434.147	43.48	5.94	35.18	44.00	40.60	54	-13.40	AV
H	10420.069	51.76	8.46	38.71	44.50	54.43	68.2	-13.77	Pk
H	10420.069	42.96	8.46	38.71	44.50	45.63	54	-8.37	AV
H	15630.195	52.76	10.12	38.38	44.10	57.16	74	-16.84	Pk
H	15630.195	44.92	10.12	38.38	44.10	49.32	54	-4.68	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

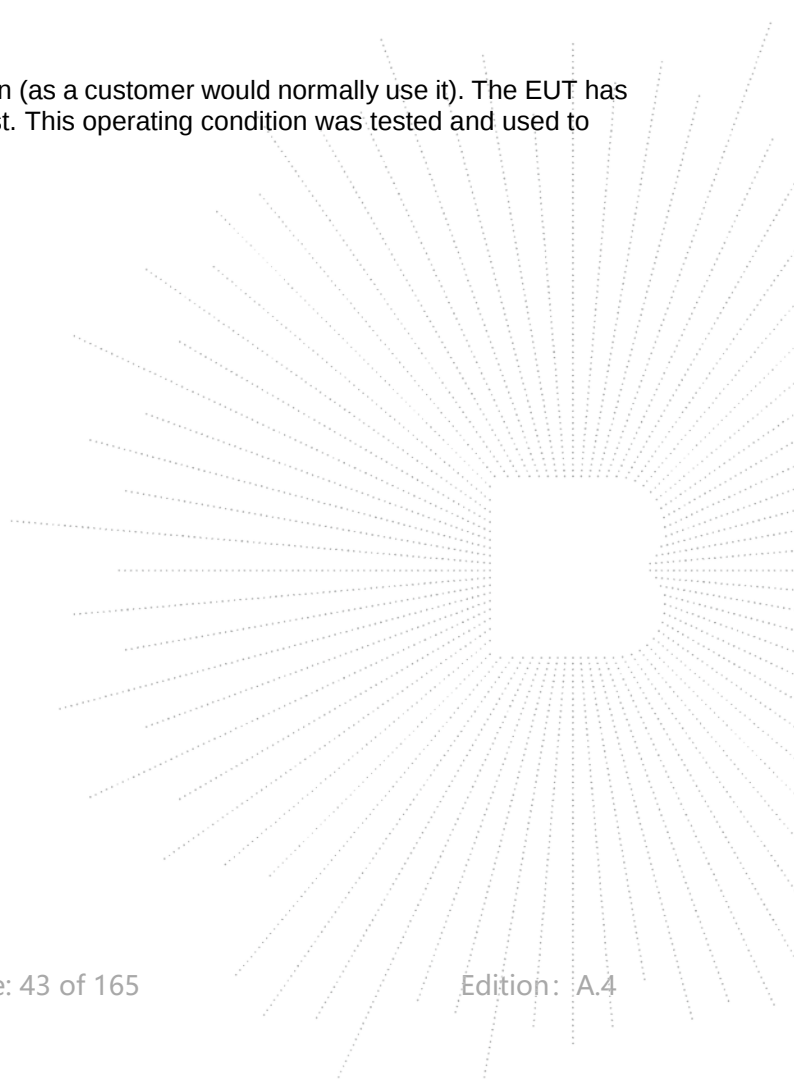
For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 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 $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

8.4 EUT Operating Conditions

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



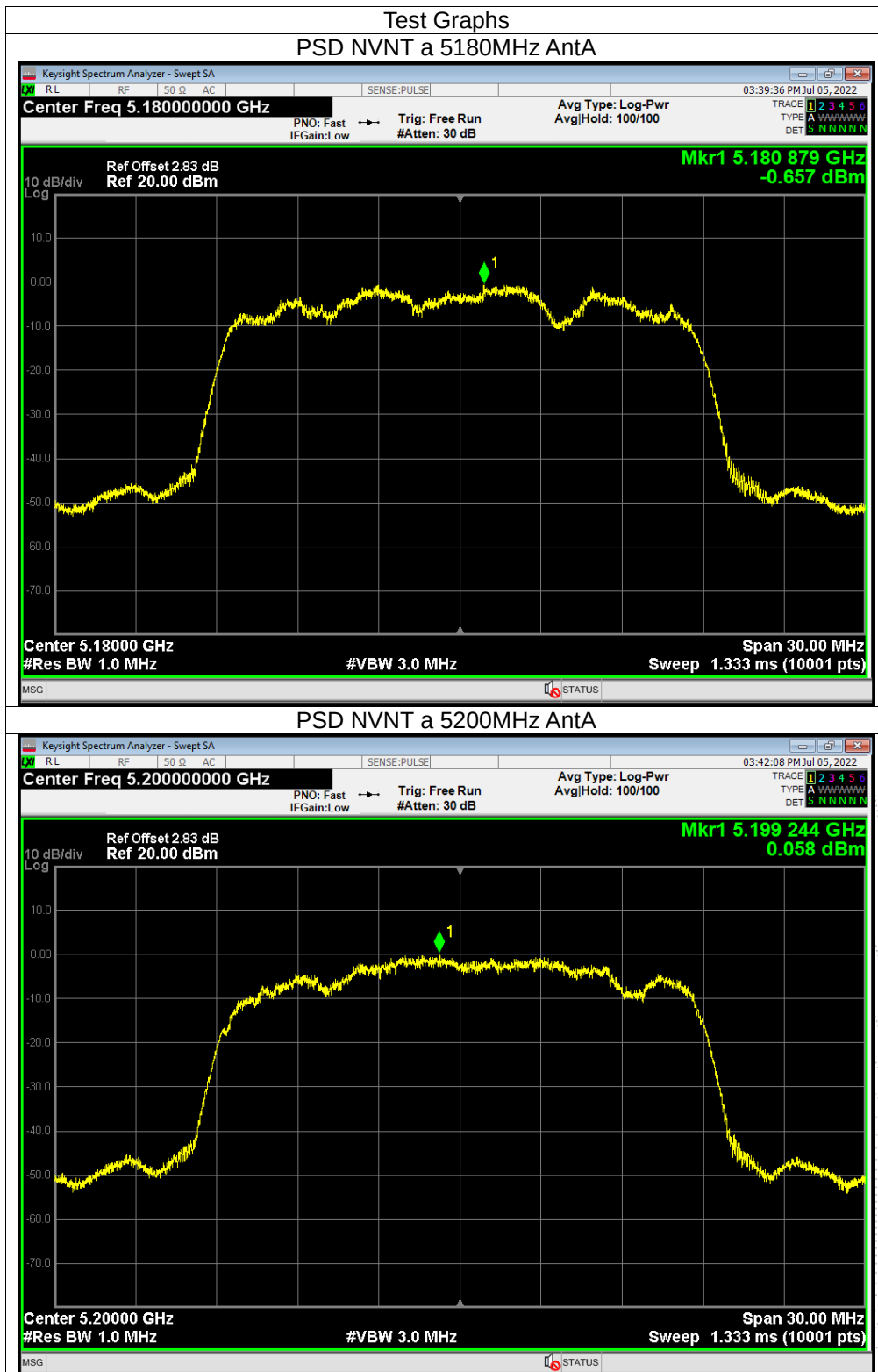
8.5 Test Result

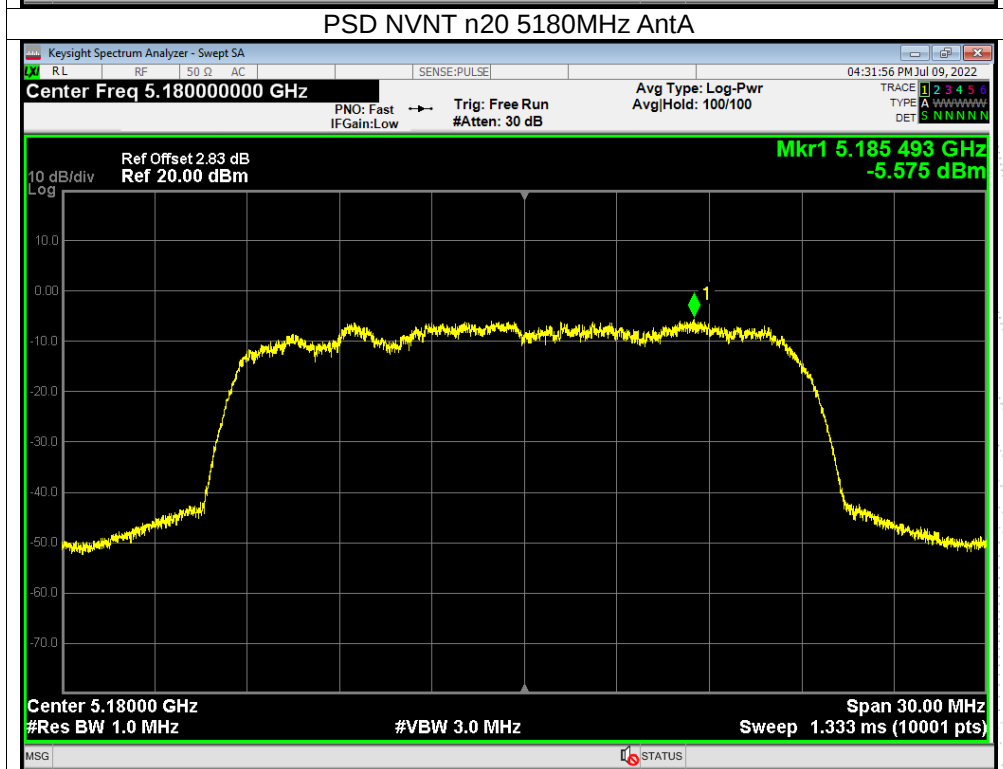
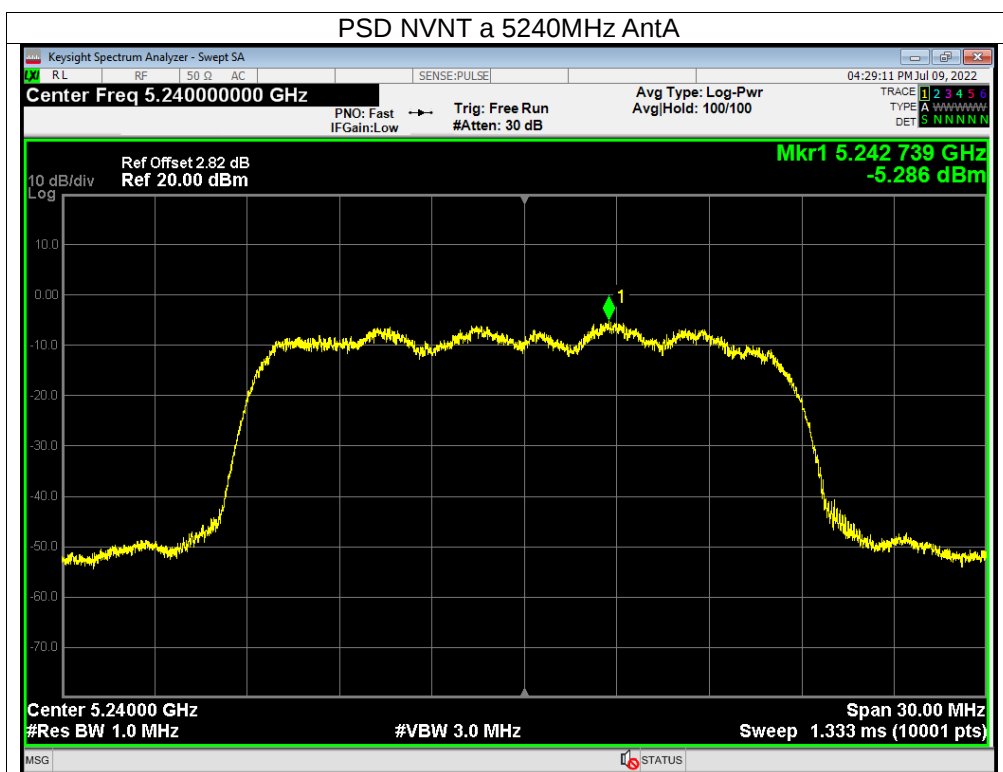
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5180-5240MHz)		

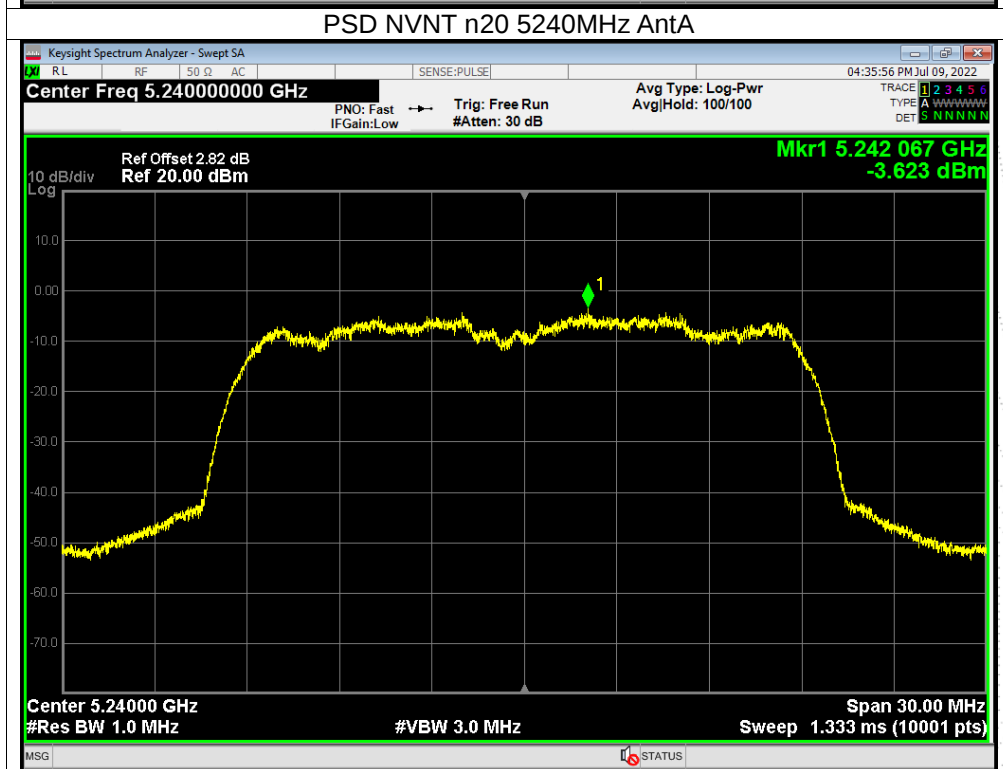
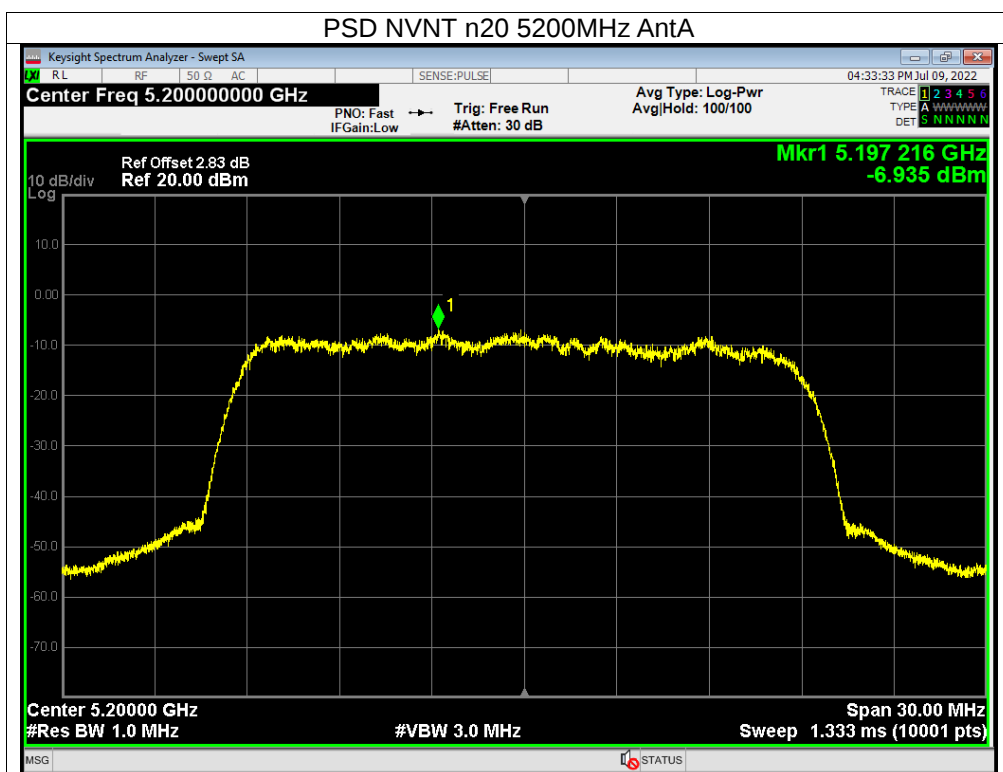
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5180	-0.66	-6.32	/	11	Pass
NVNT	a	5200	0.06	-5.48	/	11	Pass
NVNT	a	5240	-5.29	-5.36	/	11	Pass
NVNT	n20	5180	-5.58	-7.21	-3.31	10	Pass
NVNT	n20	5200	-6.94	-6.49	-3.70	10	Pass
NVNT	n20	5240	-3.62	-5.75	-1.55	10	Pass
NVNT	n40	5190	-9.57	-8.24	-5.84	10	Pass
NVNT	n40	5230	-9.52	-10.19	-6.83	10	Pass
NVNT	ac20	5180	-3.32	-10.37	-2.54	10	Pass
NVNT	ac20	5200	-2.15	-8.28	-1.20	10	Pass
NVNT	ac20	5240	-5.24	-7.46	-3.20	10	Pass
NVNT	ac40	5190	-12.73	-7.33	-6.23	10	Pass
NVNT	ac40	5230	-11.72	-12.44	-9.05	10	Pass
NVNT	ac80	5210	-37.92	-13	-12.99	10	Pass
NVNT	ax20	5180	-8.4	-36.25	-8.39	10	Pass
NVNT	ax20	5200	-6.35	-9.63	-4.68	10	Pass
NVNT	ax20	5240	-6.94	-5.11	-2.92	10	Pass
NVNT	ax40	5190	-13.25	-5.78	-5.06	10	Pass
NVNT	ax40	5230	-11.32	-11.84	-8.56	10	Pass
NVNT	ax80	5210	-39.47	-10.57	-10.56	10	Pass

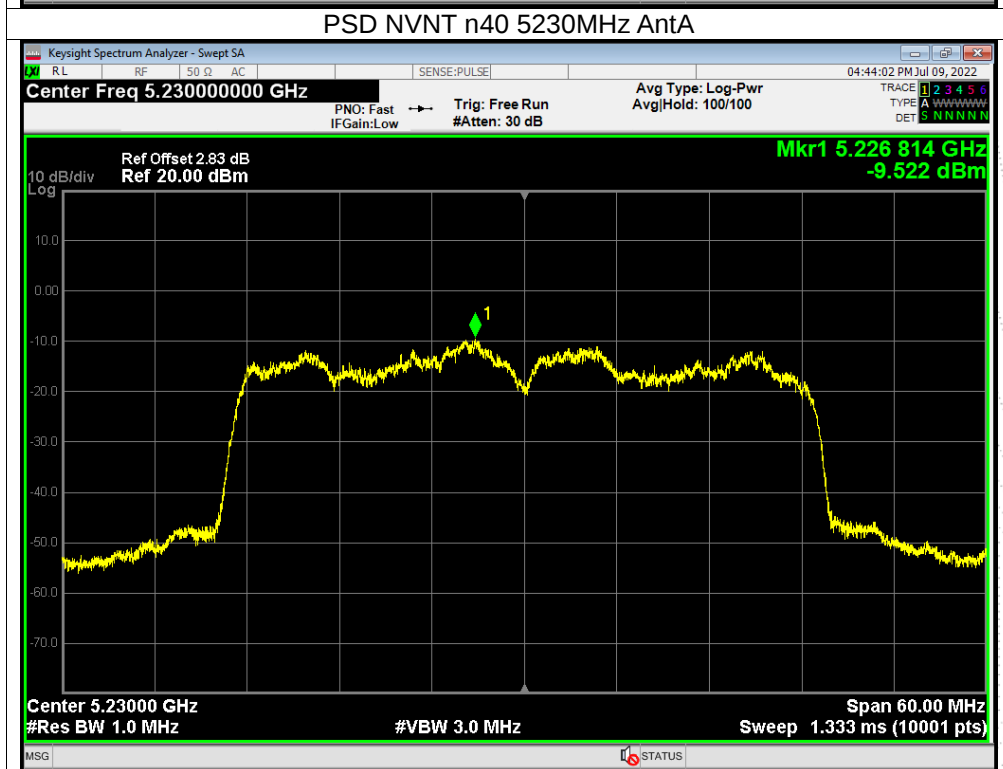
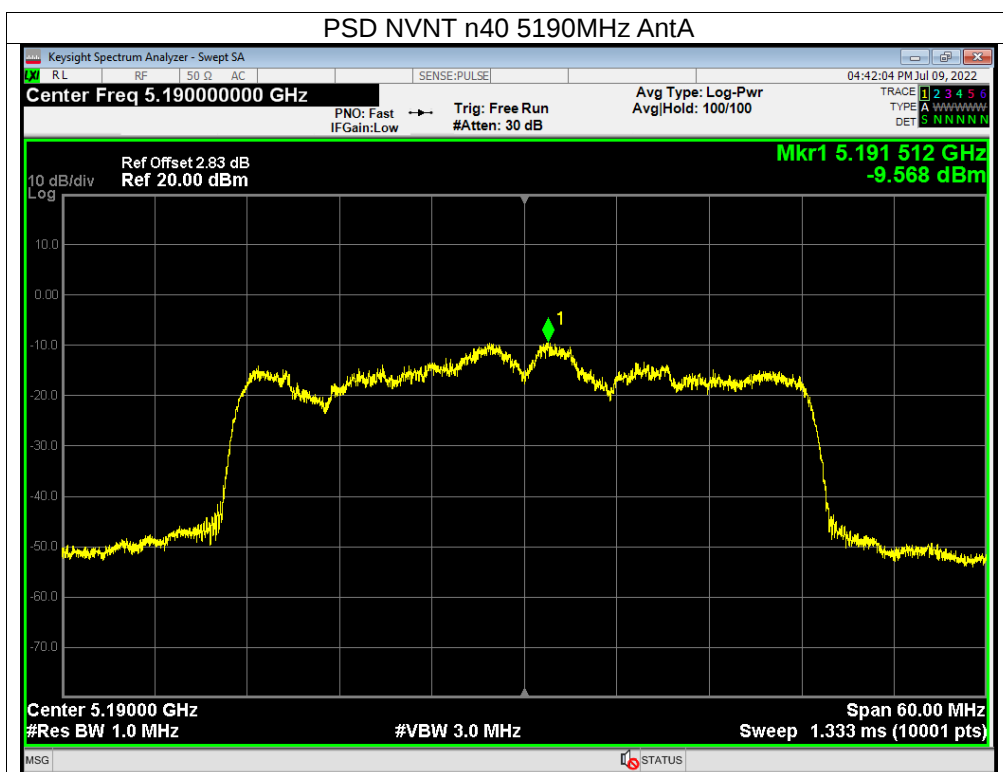


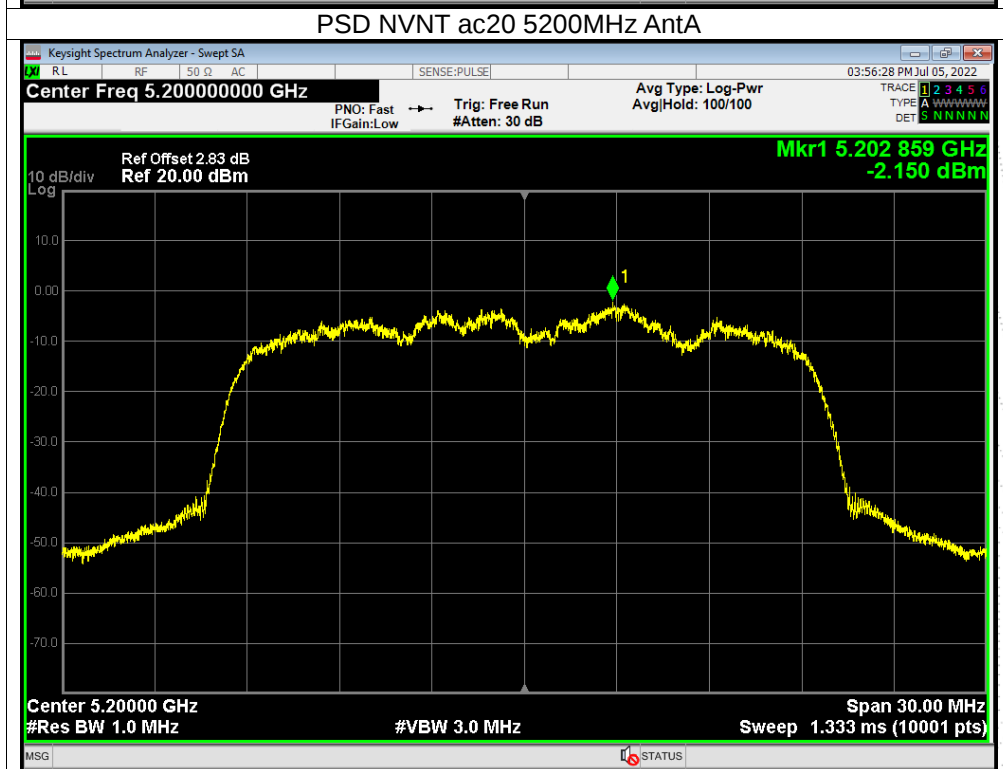
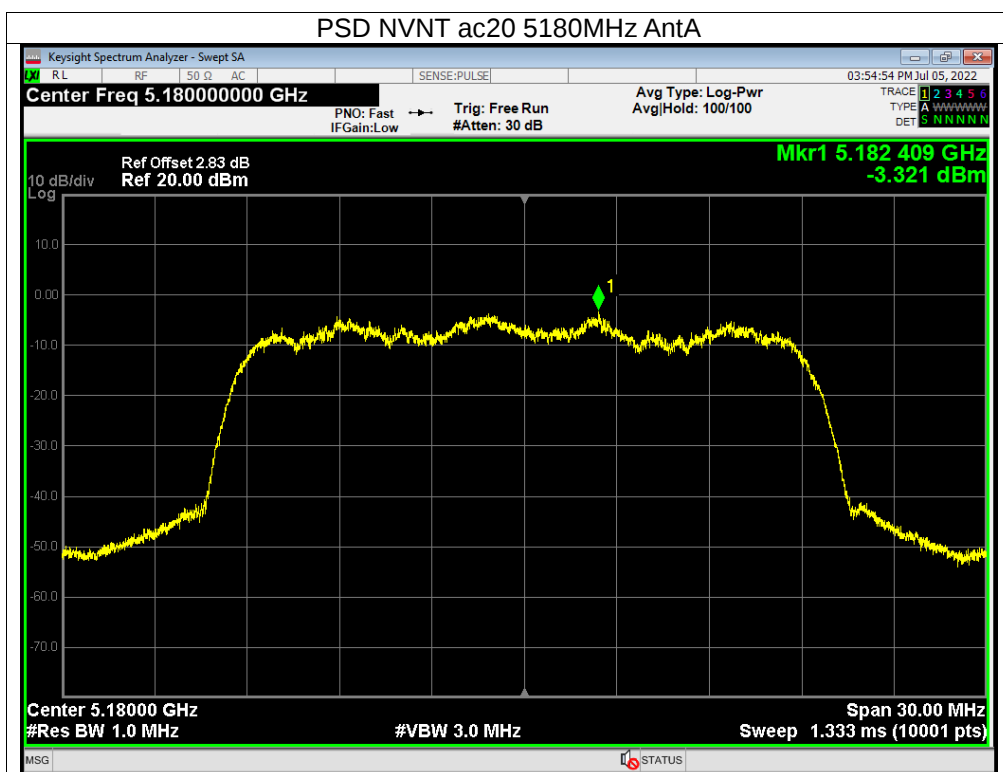
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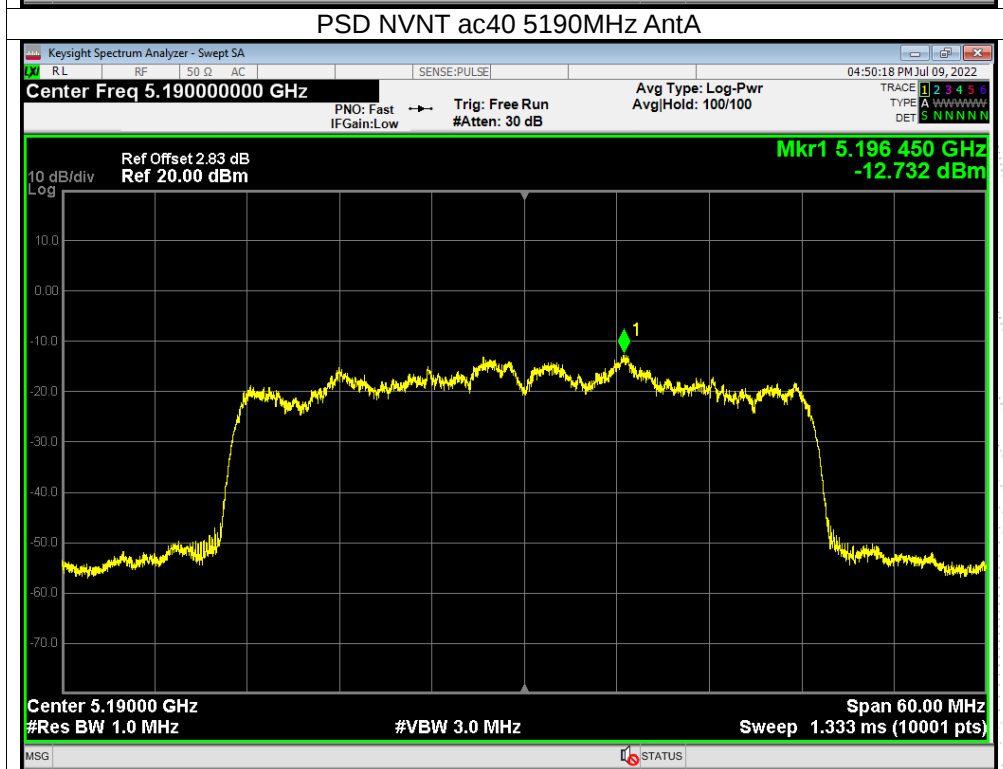
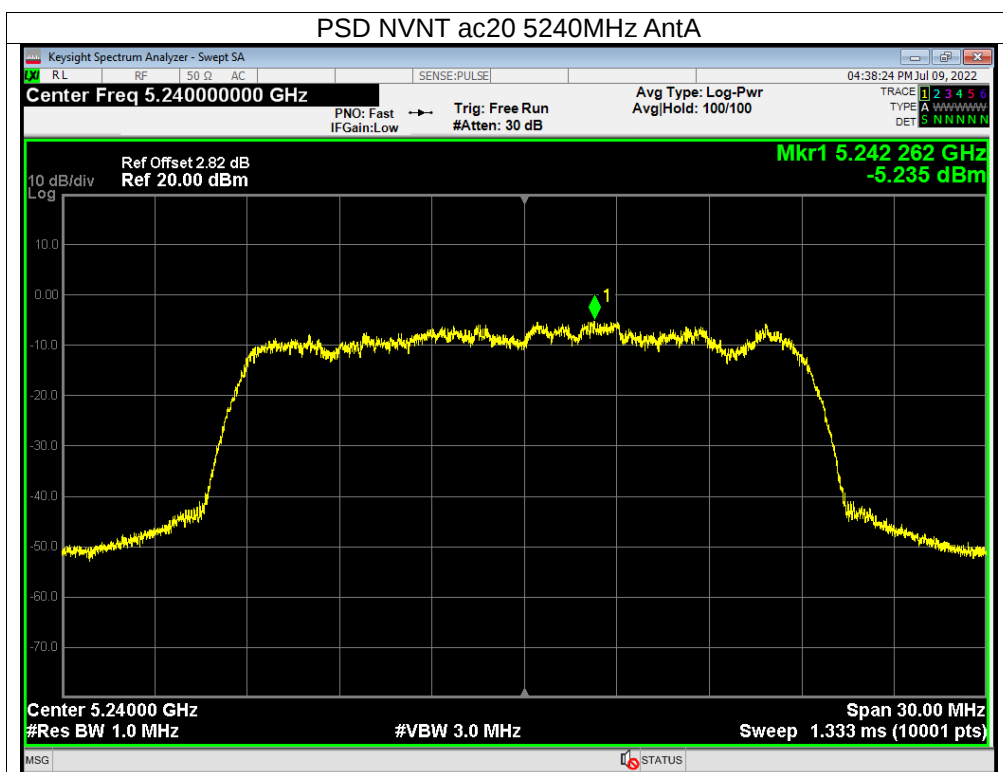


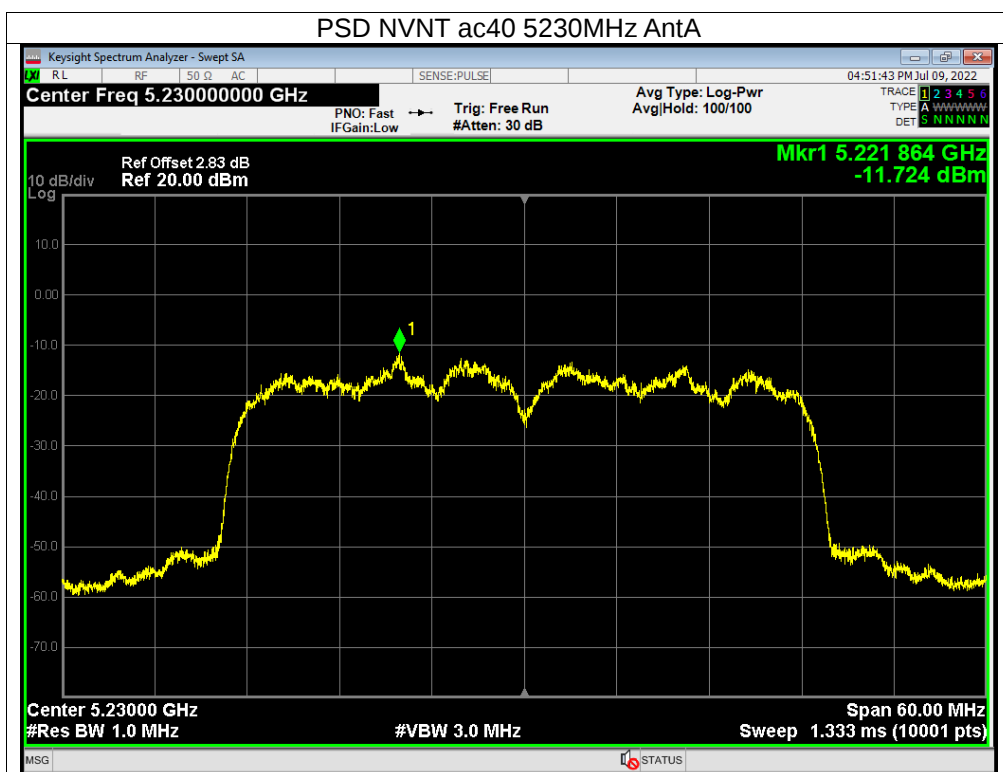


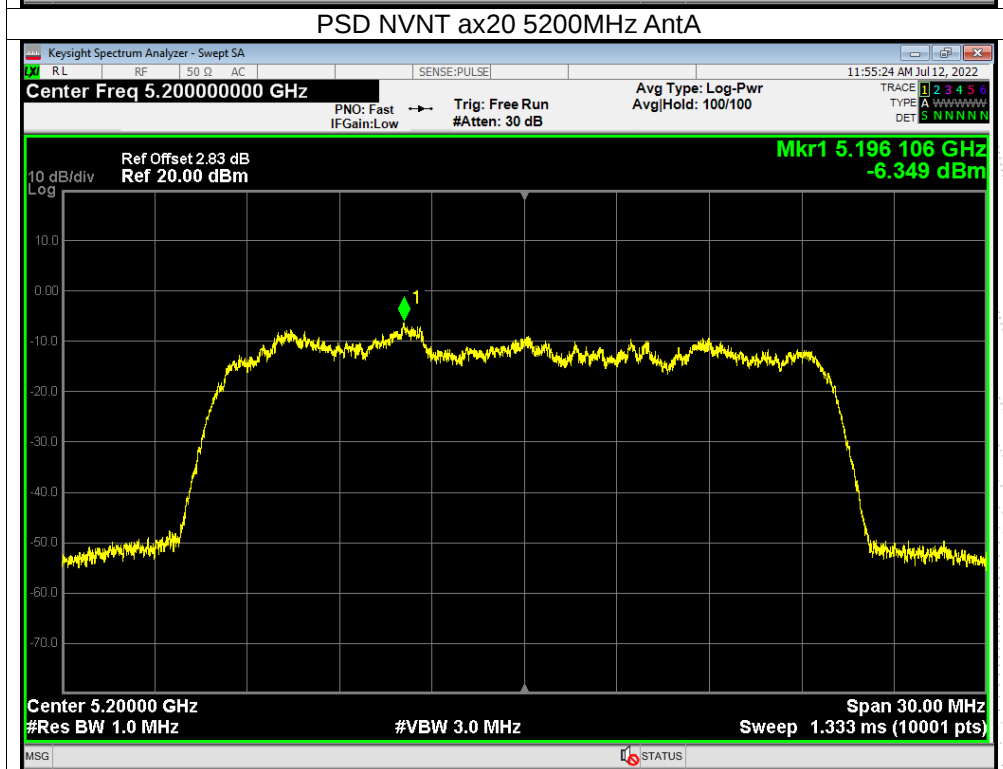
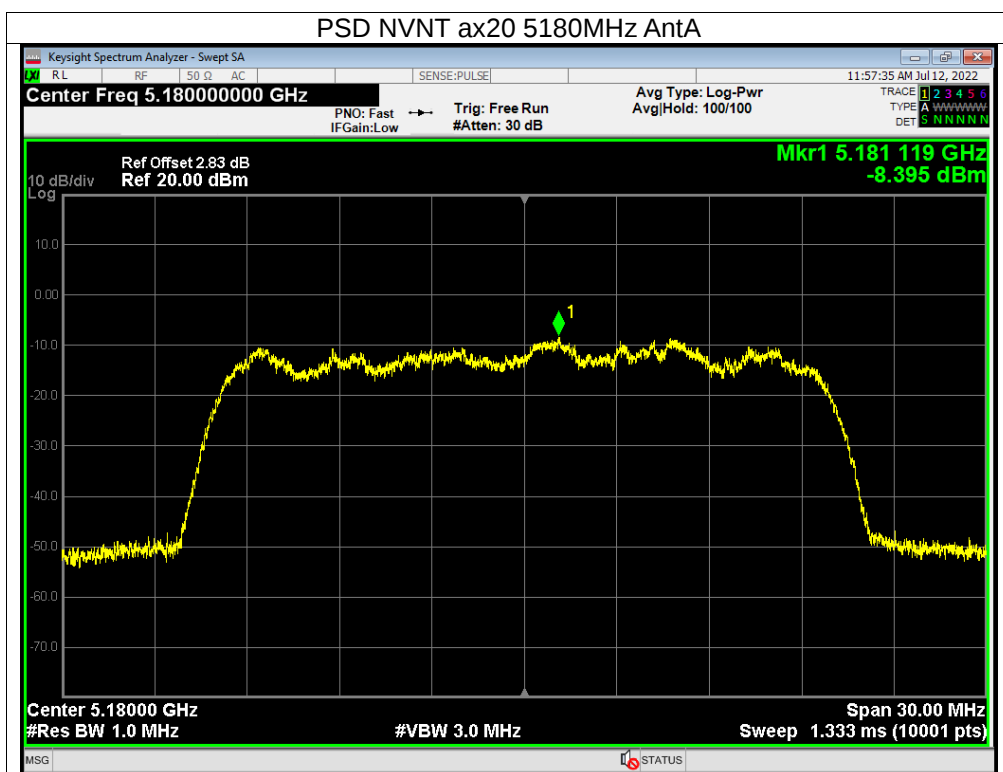


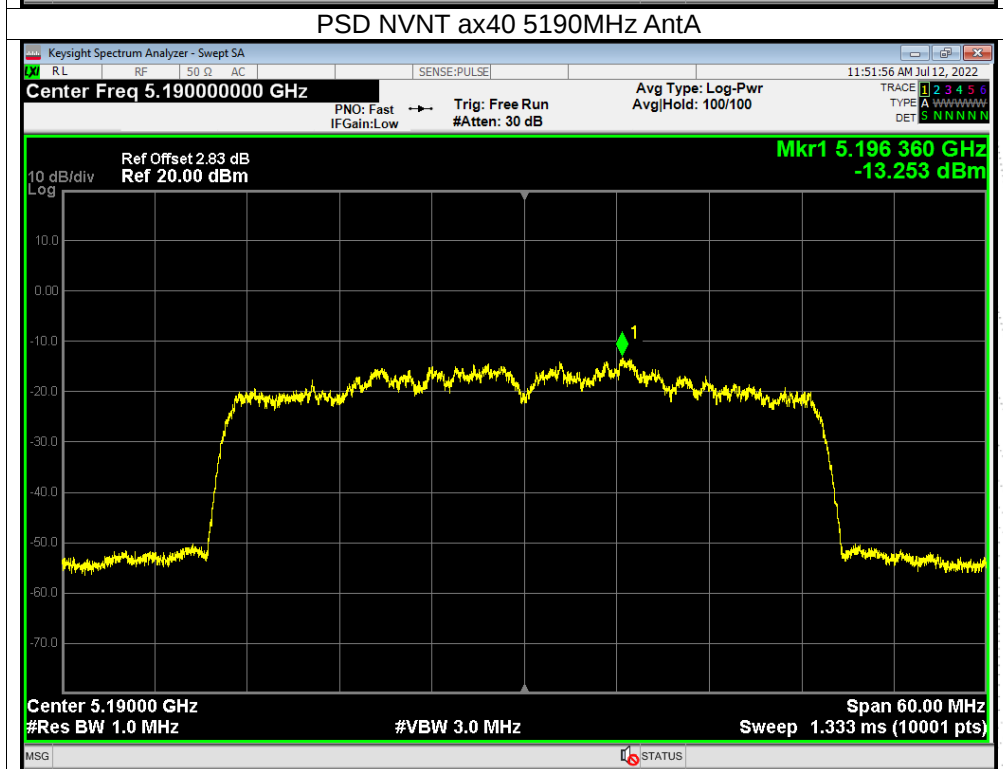
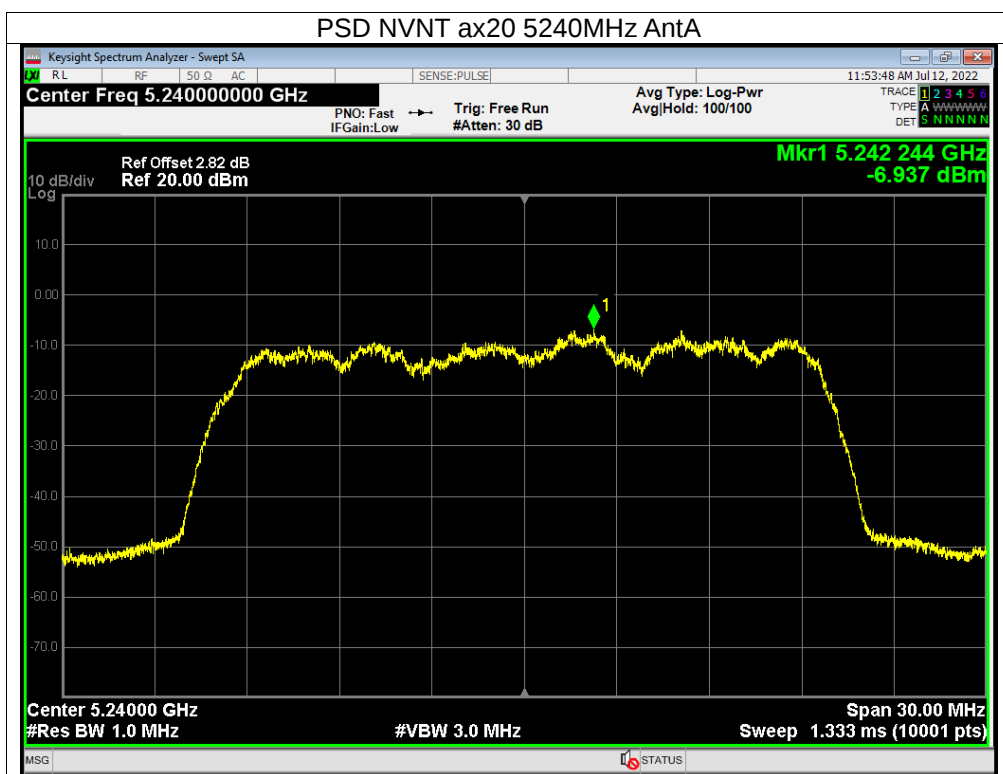


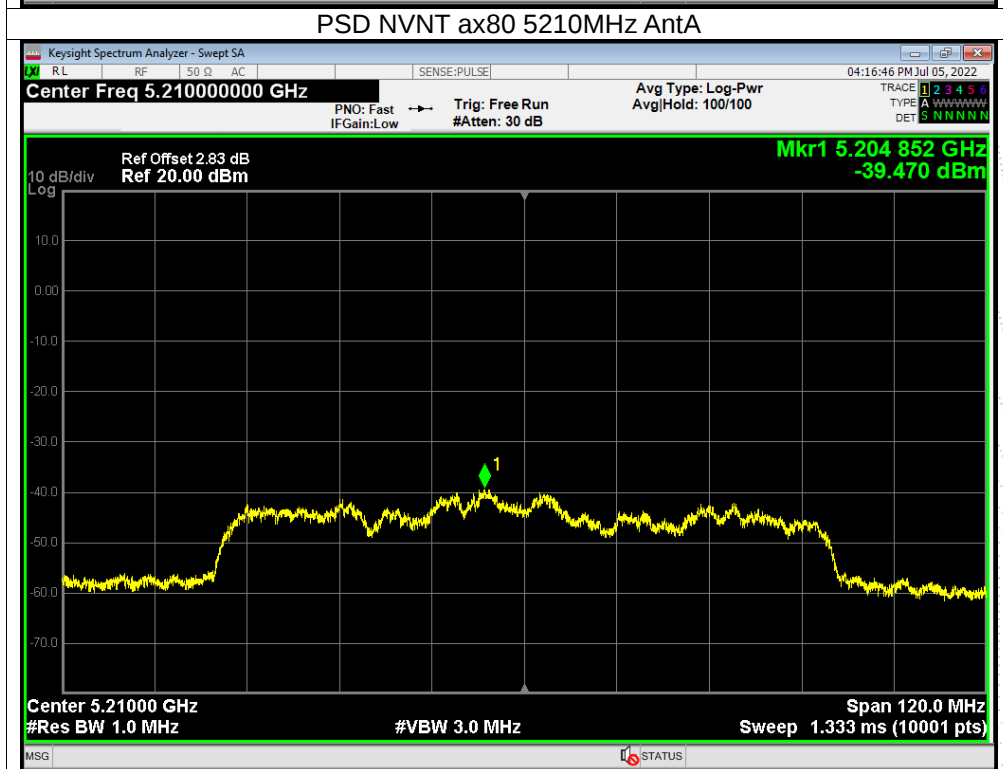
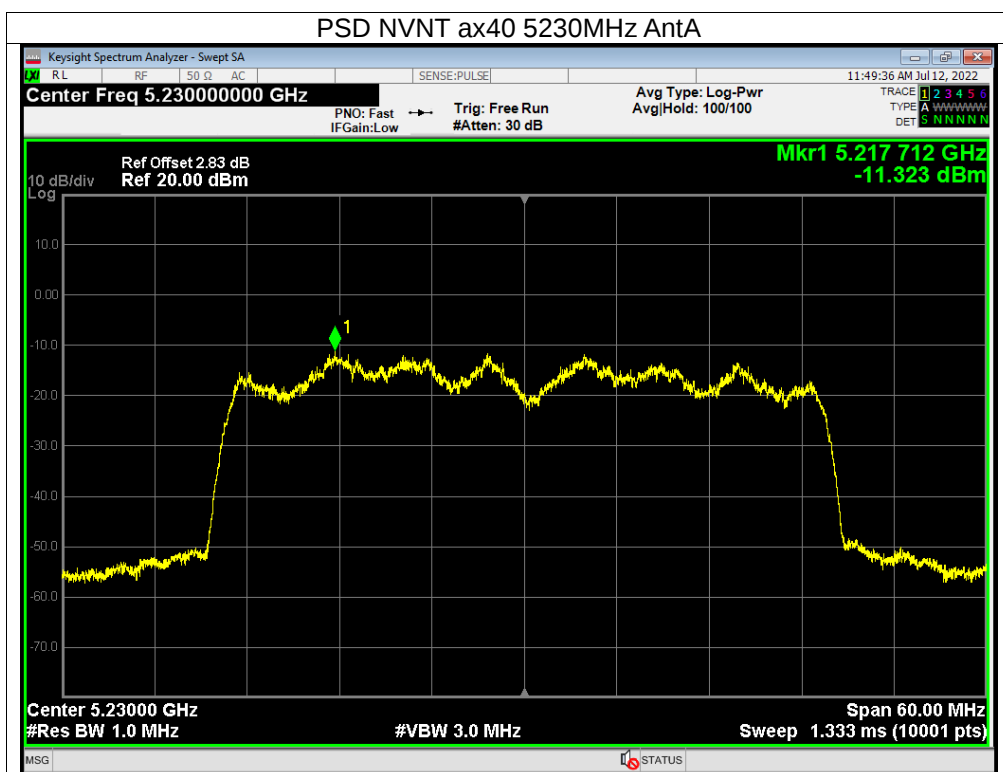






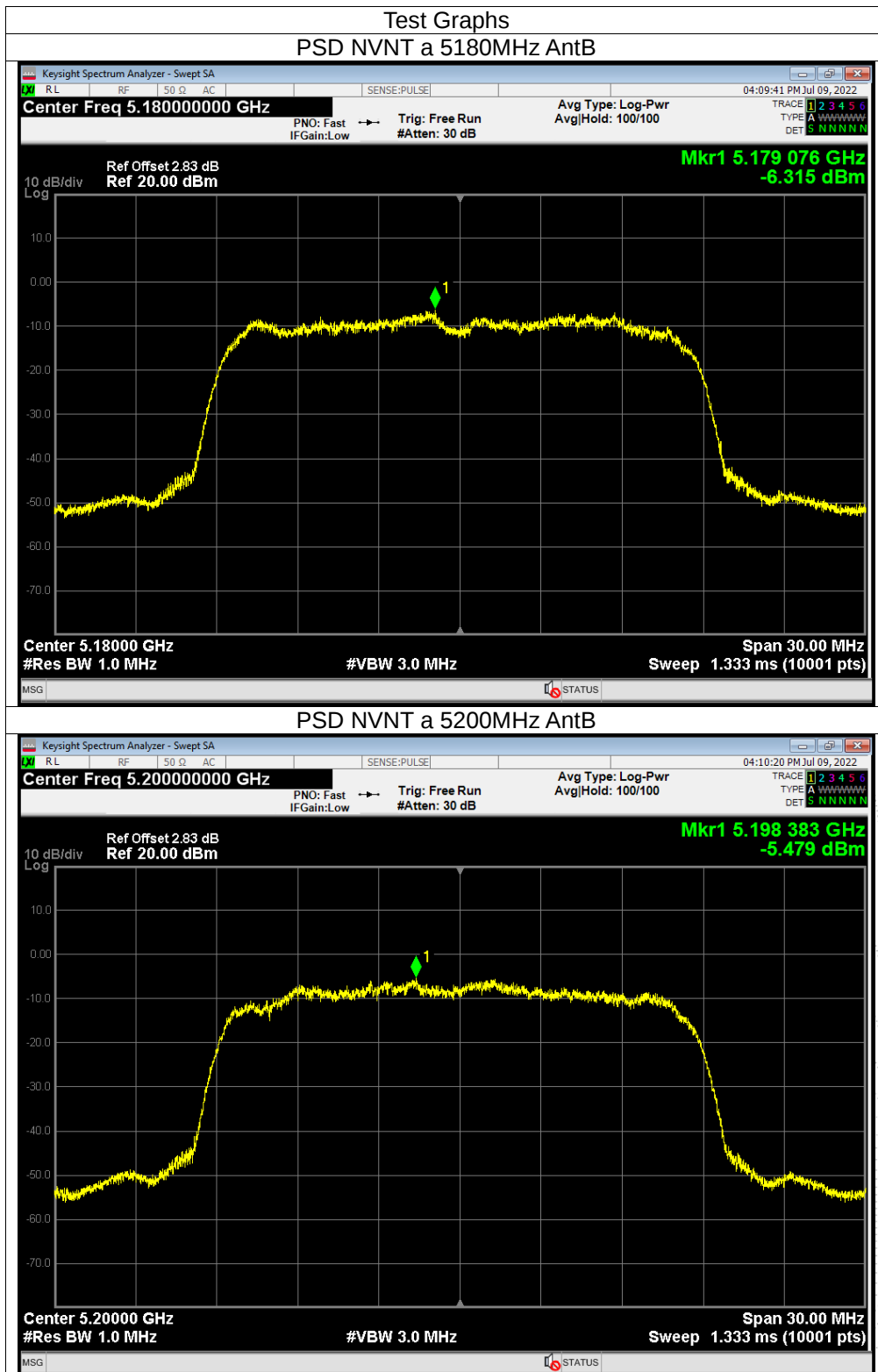


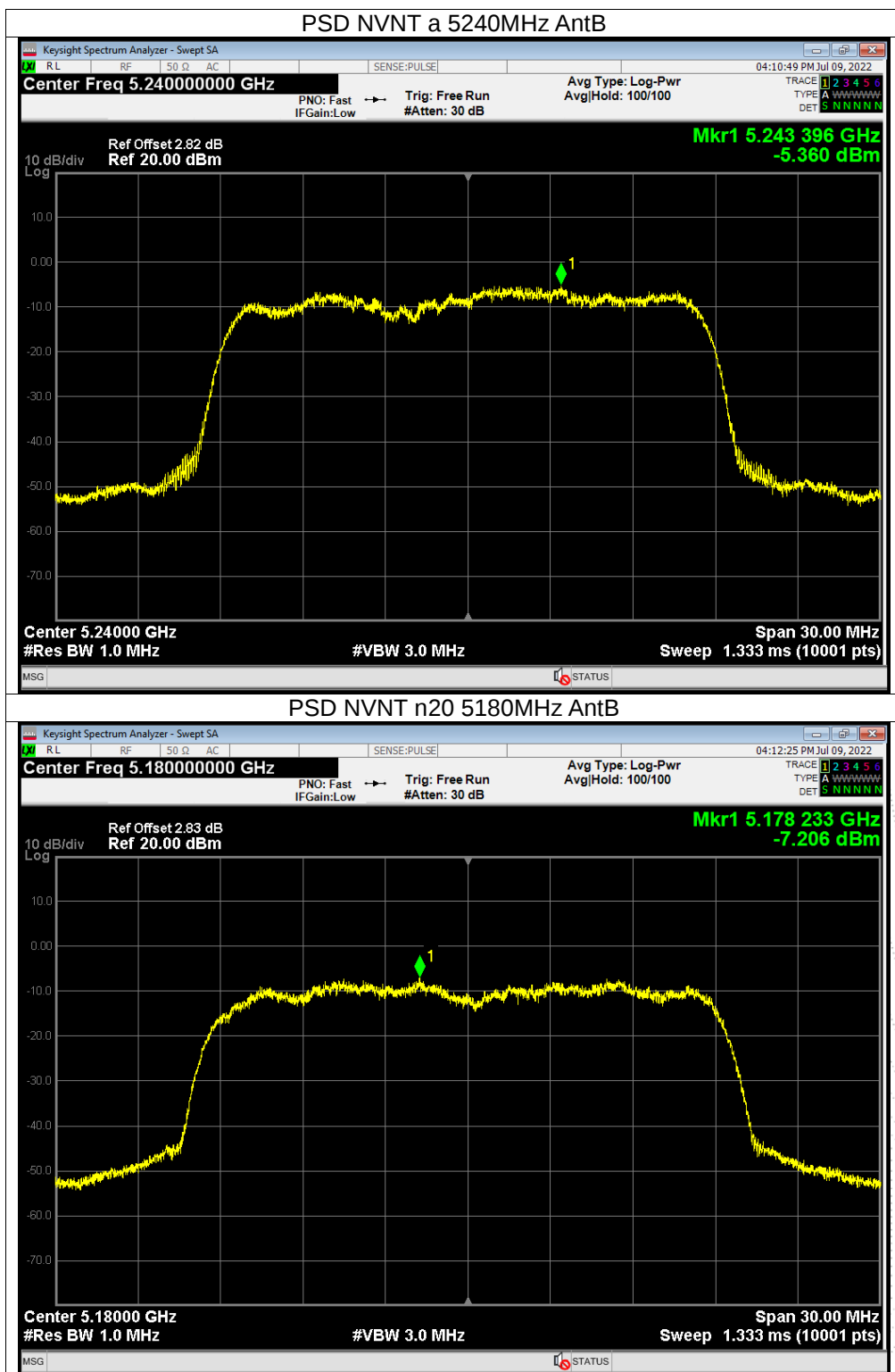


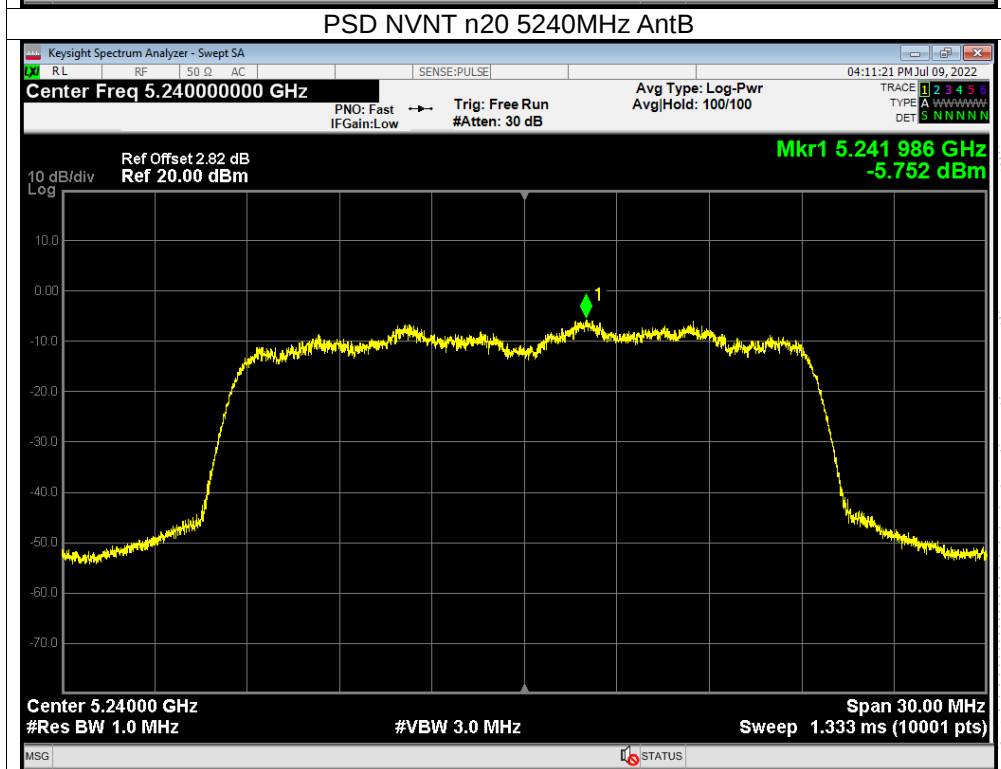
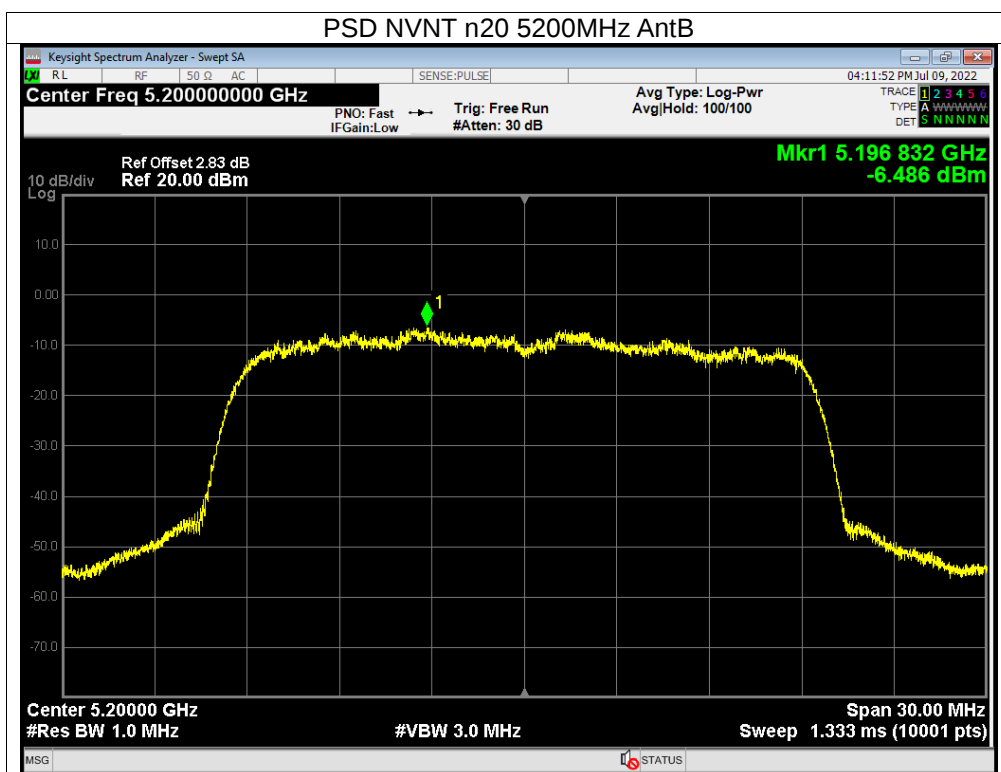


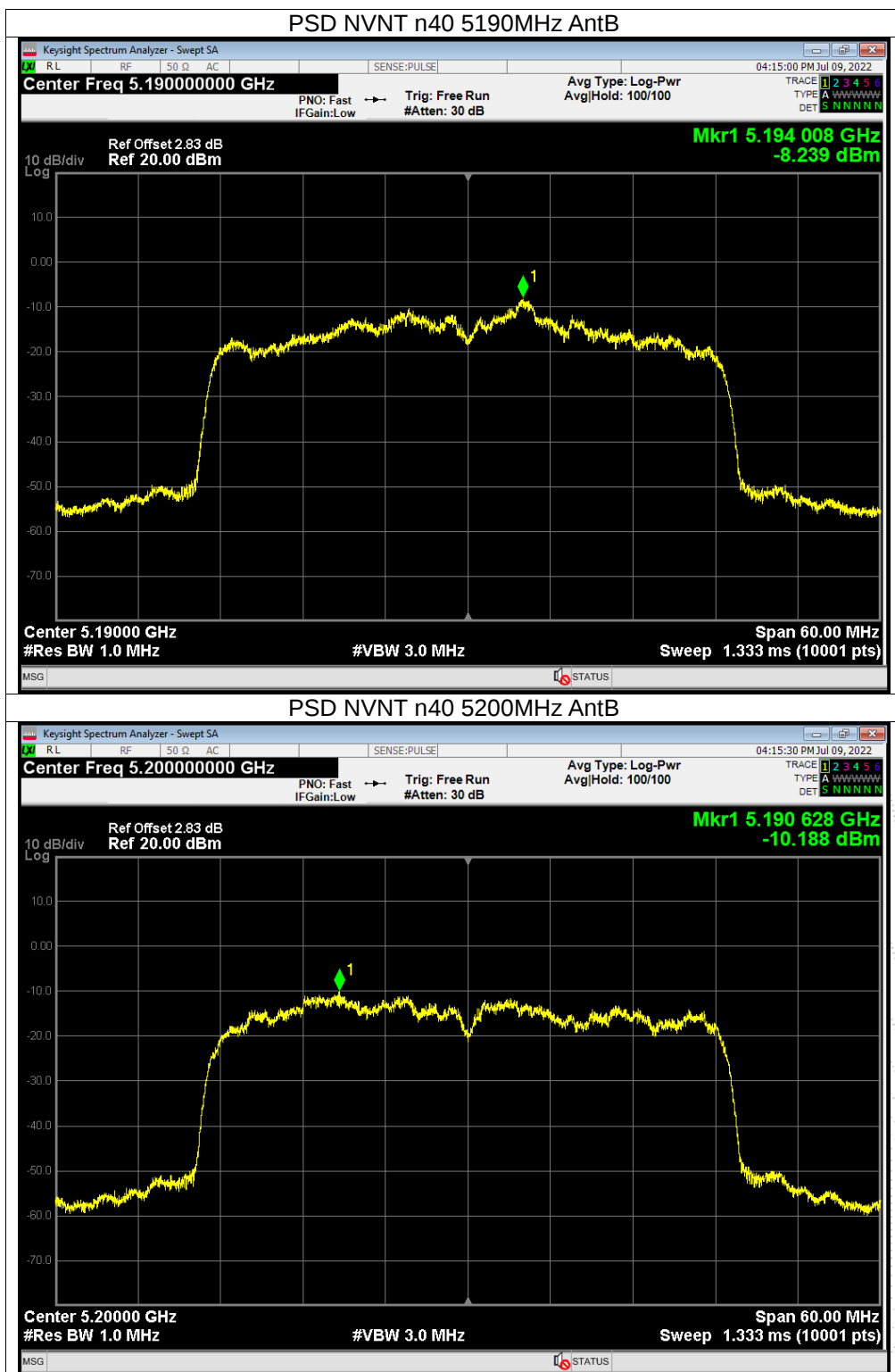


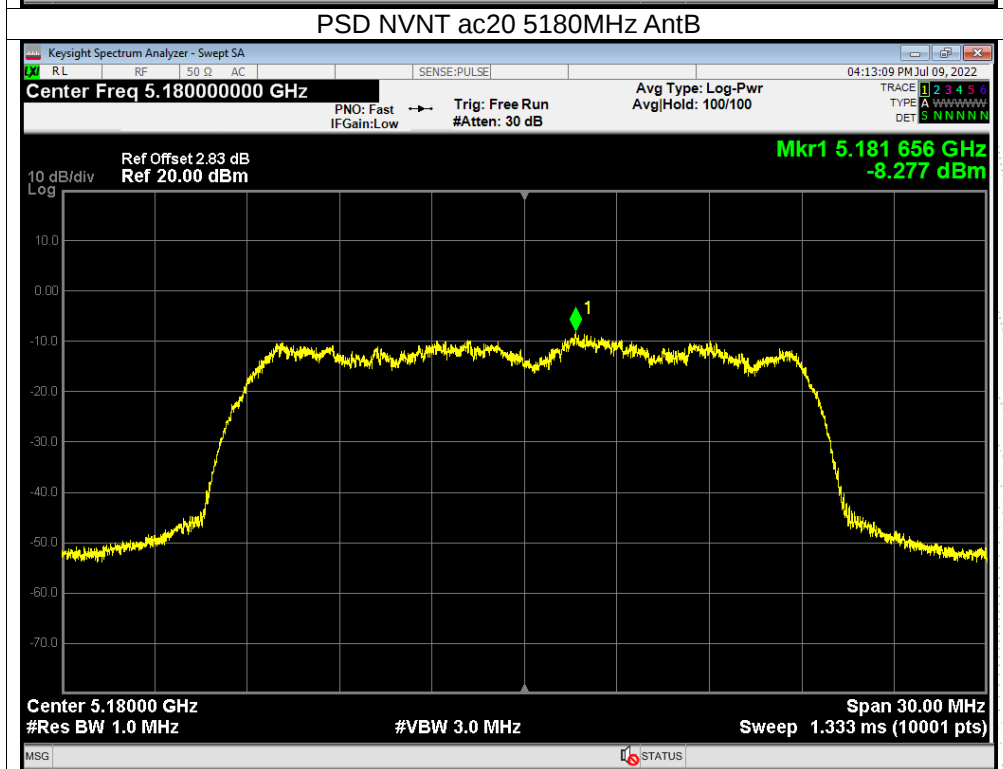
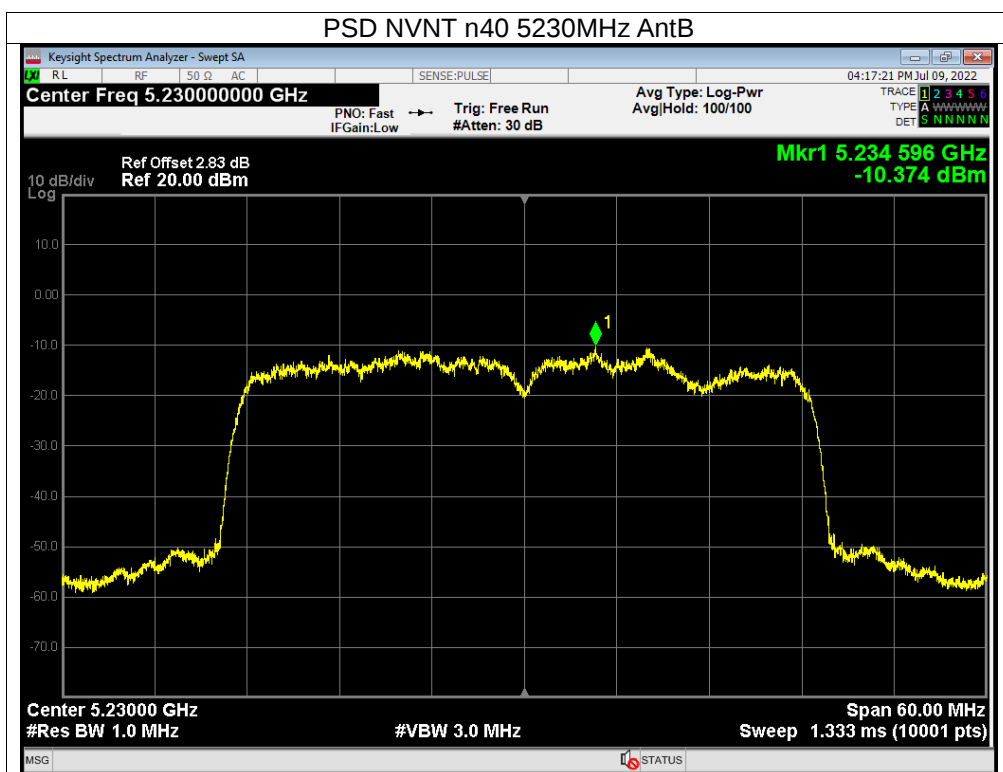
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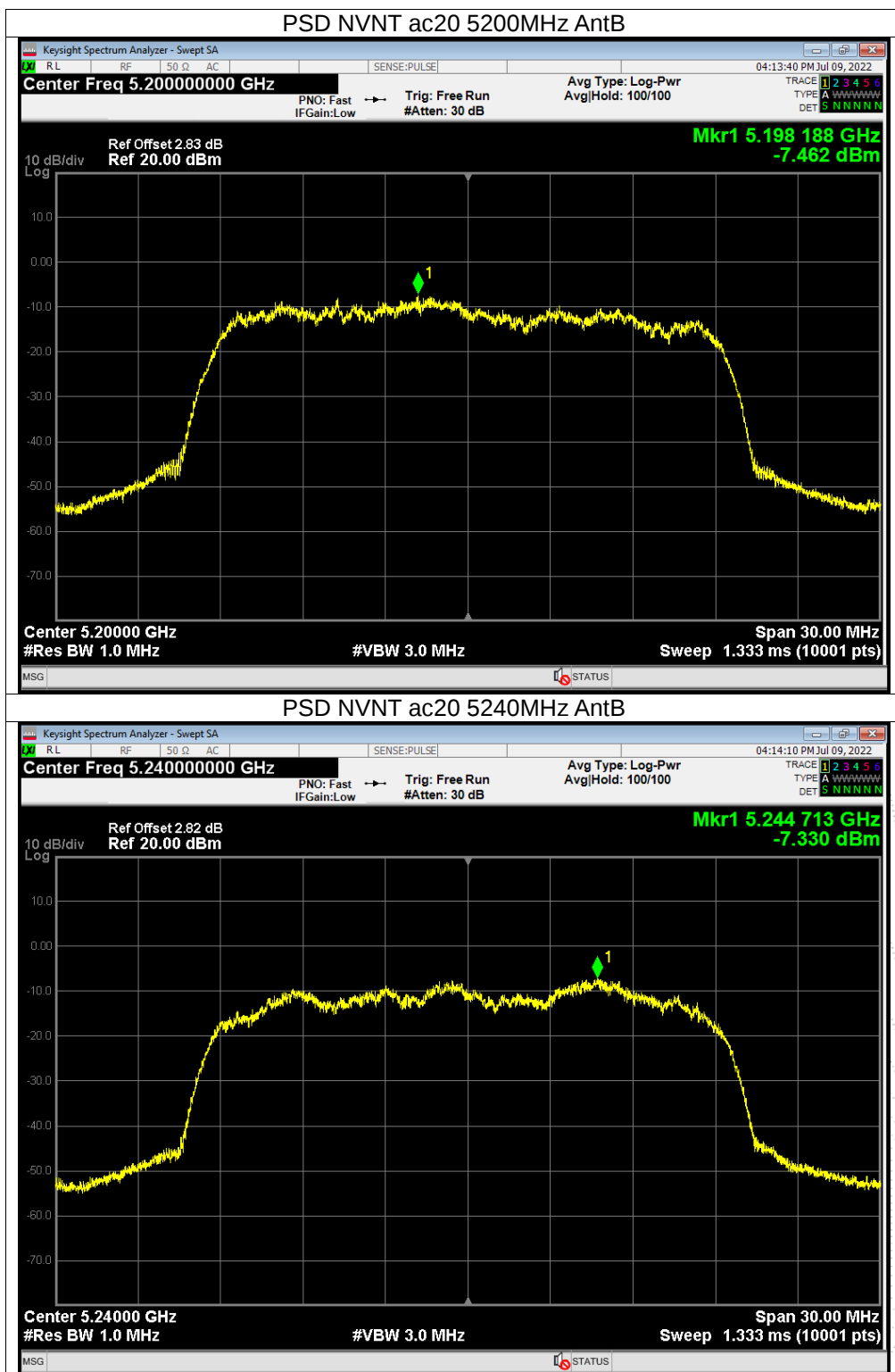


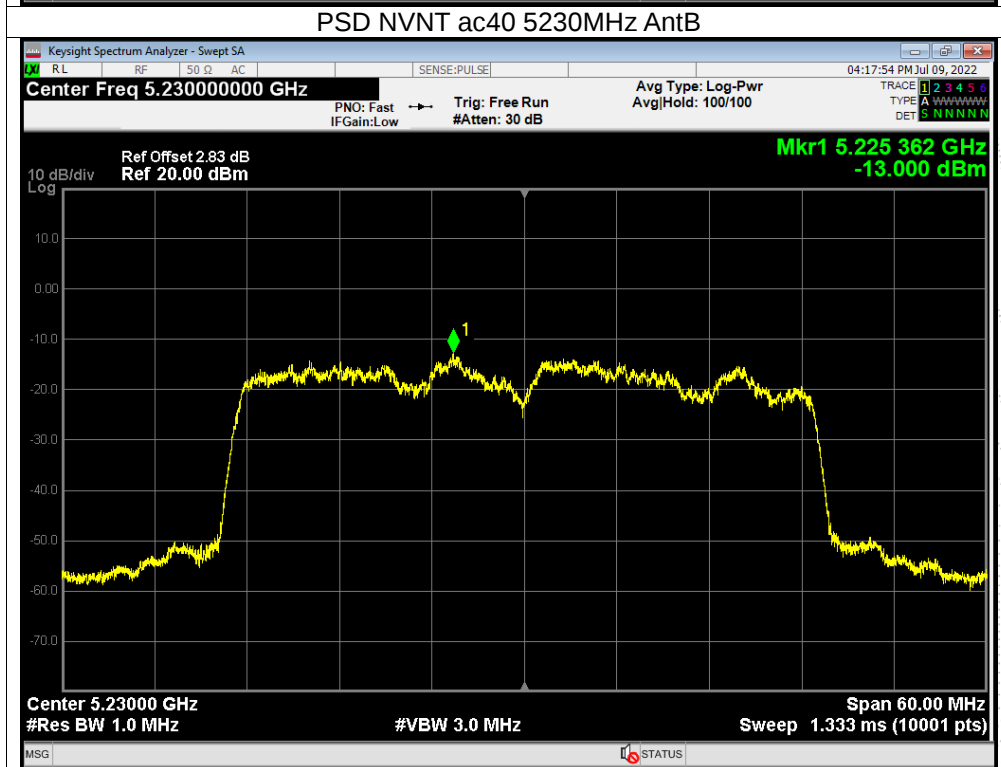
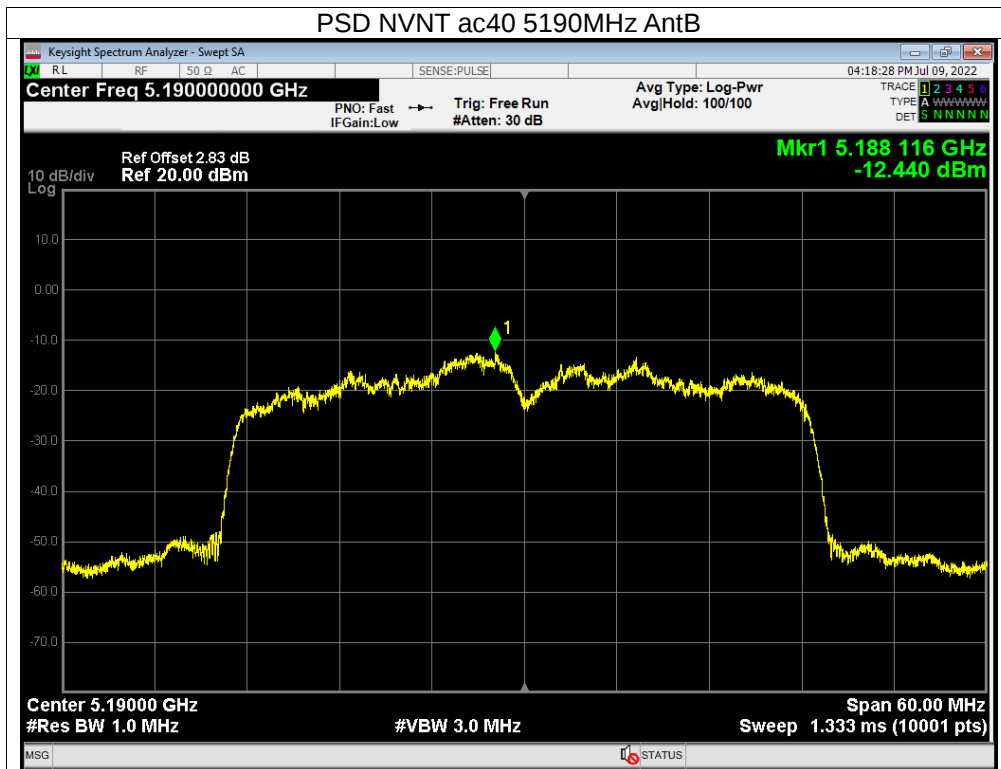


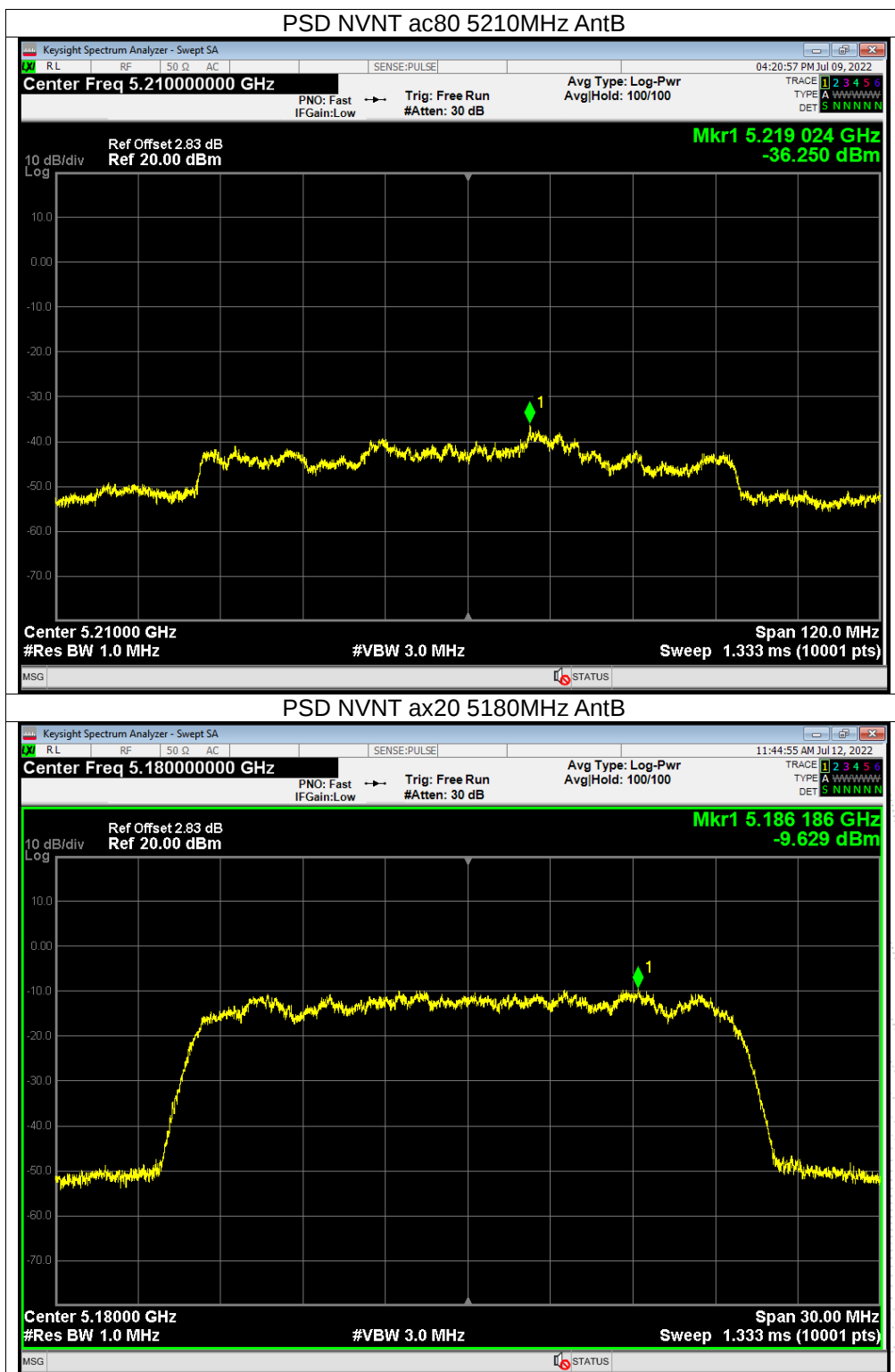


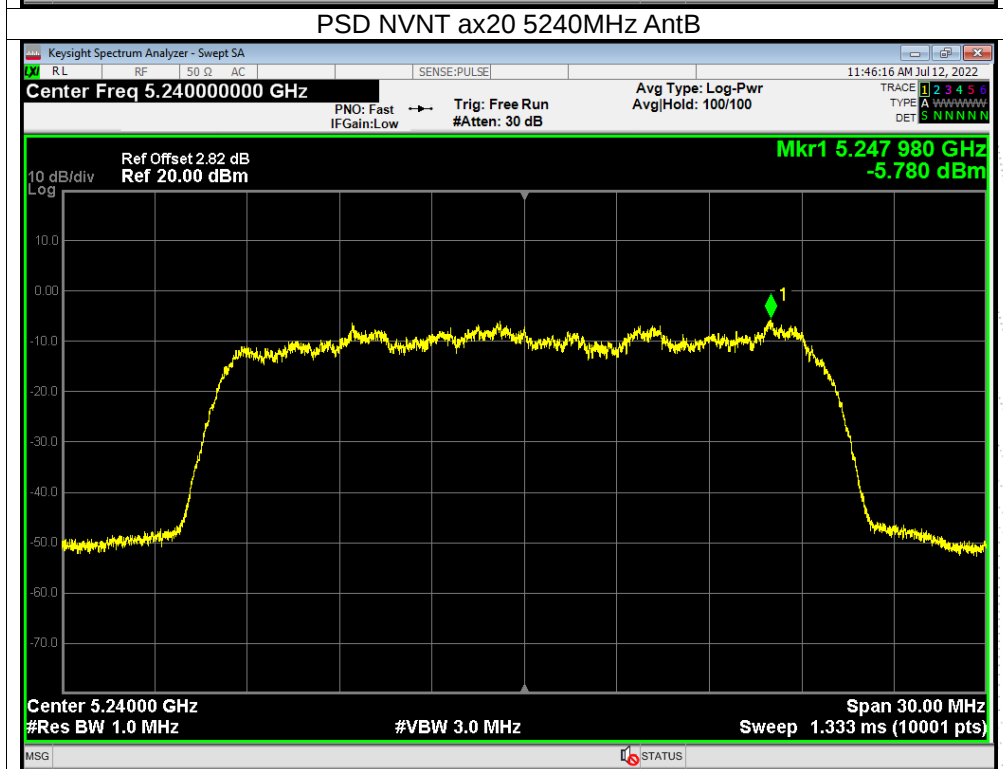
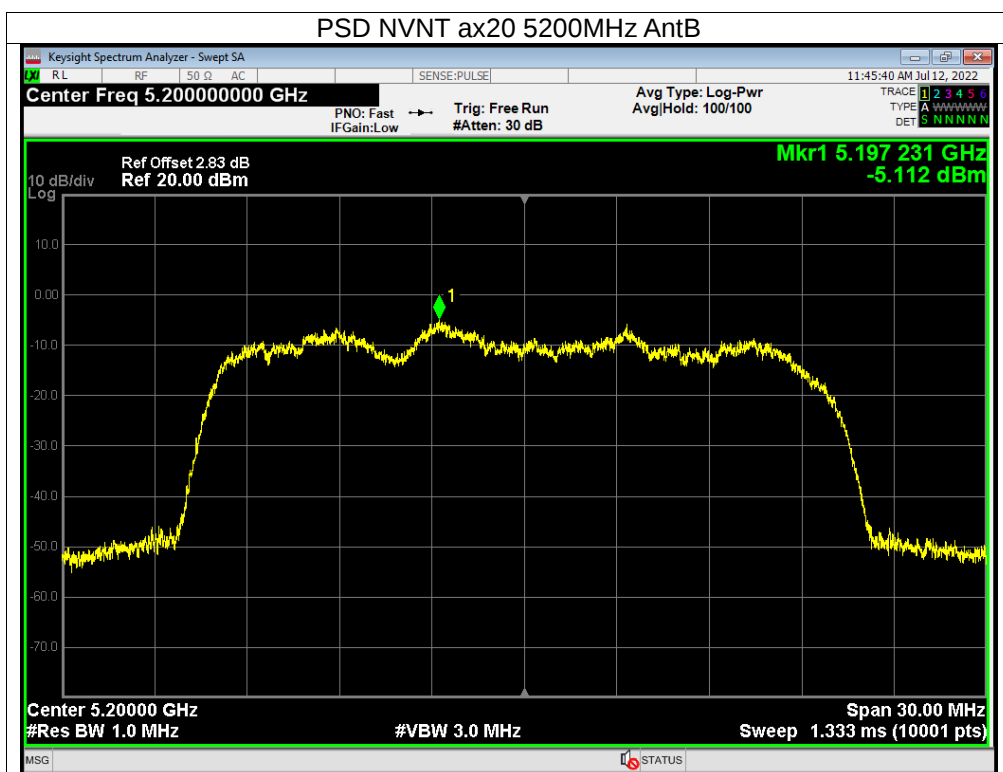


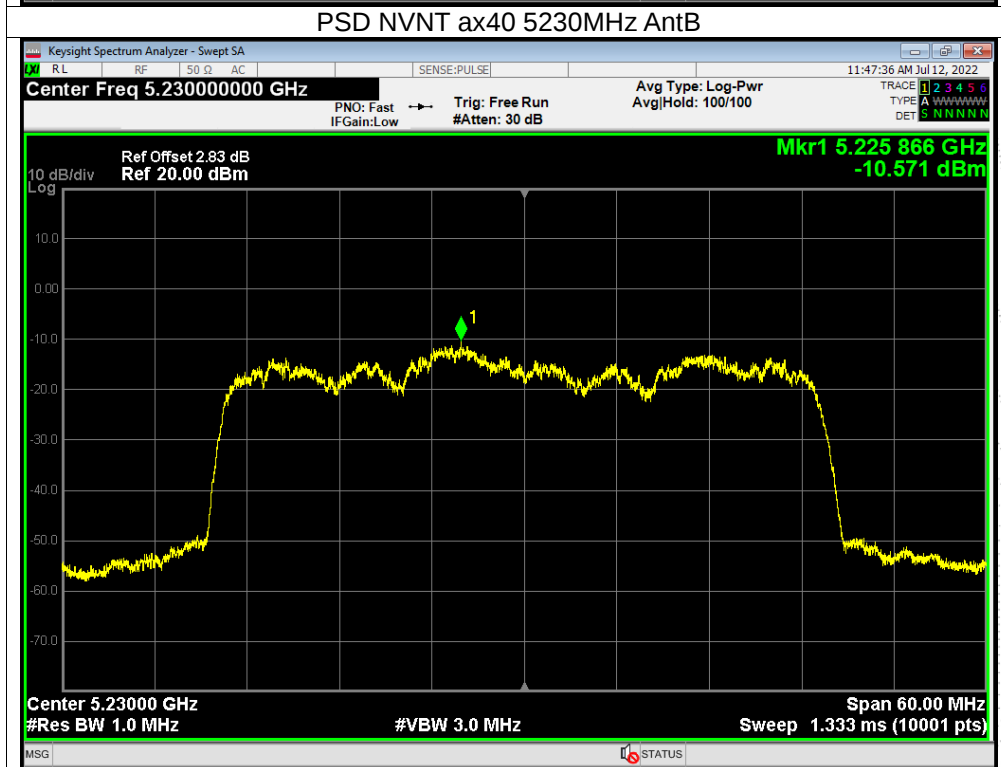
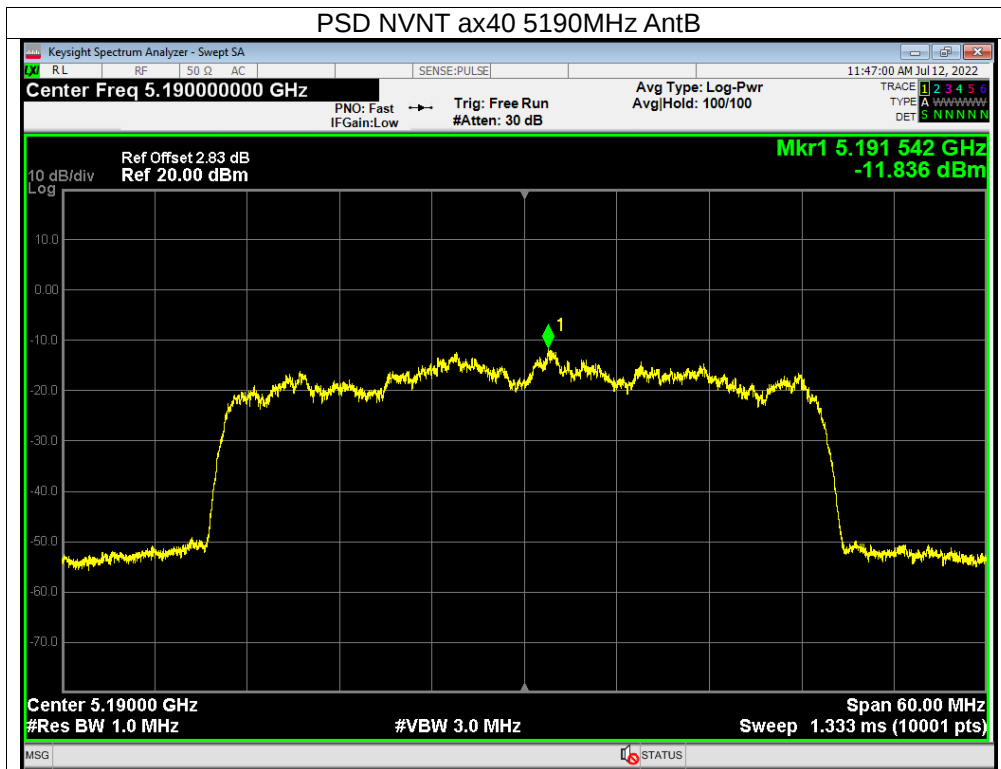












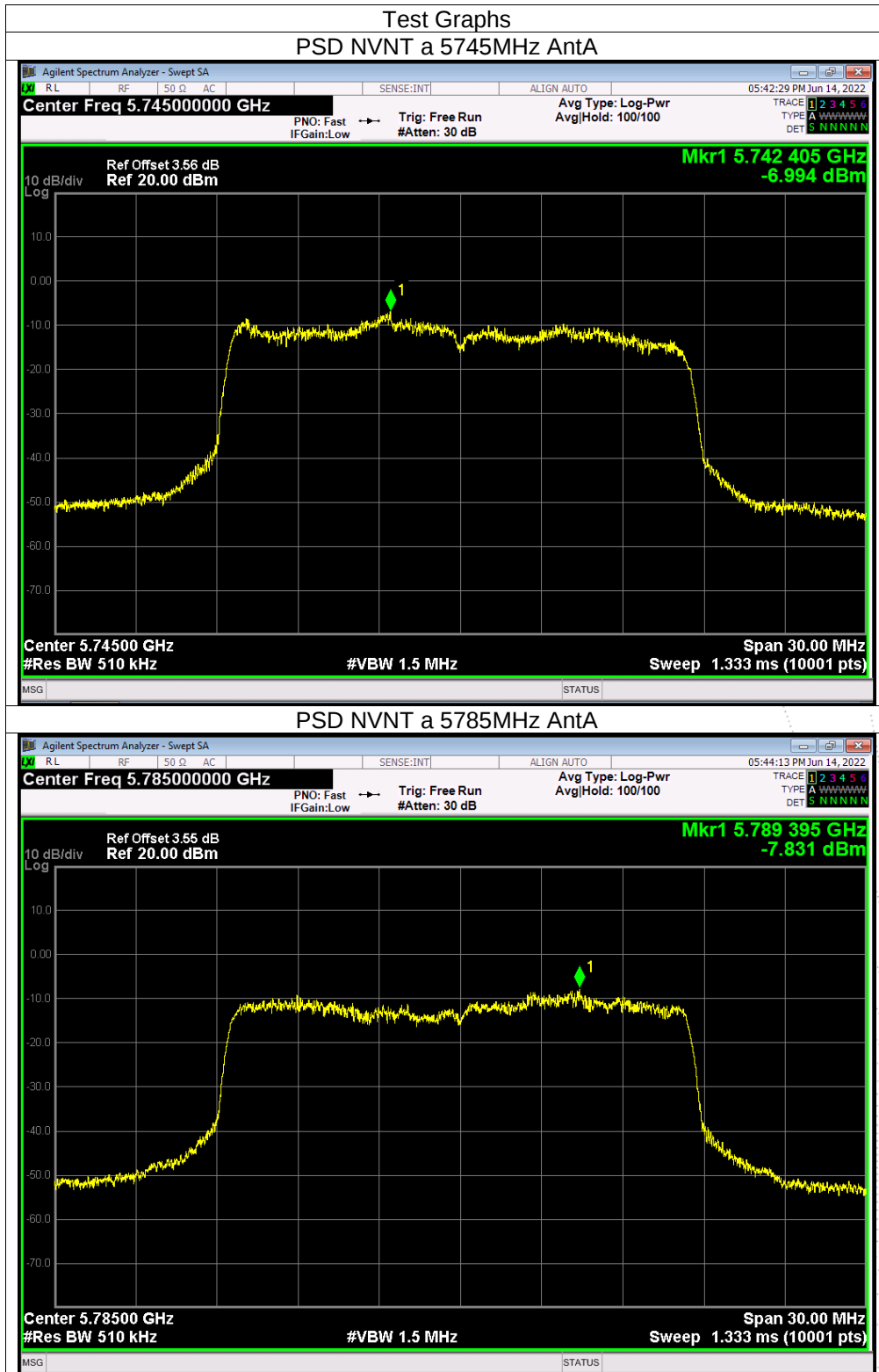


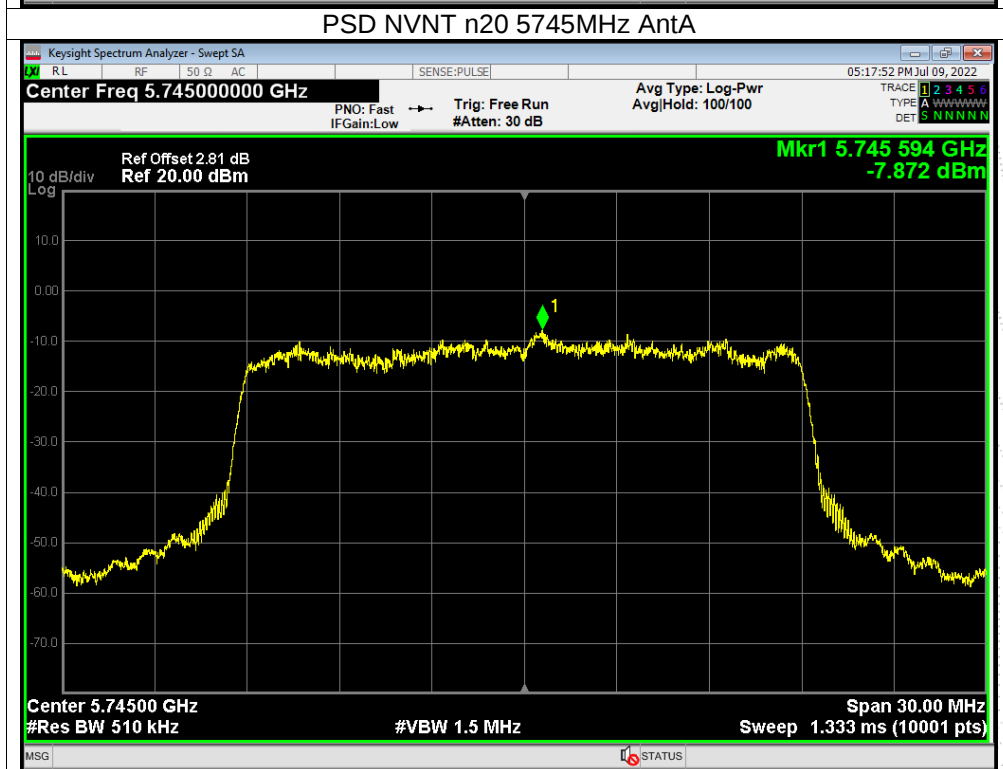
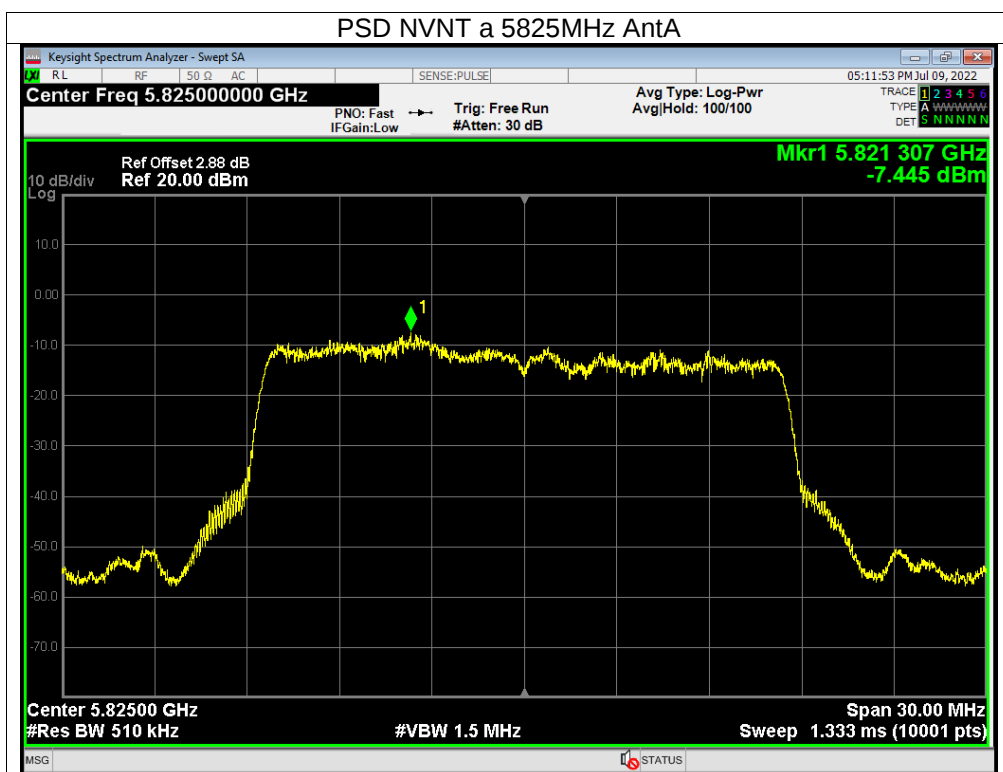
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5745-5825MHz)		

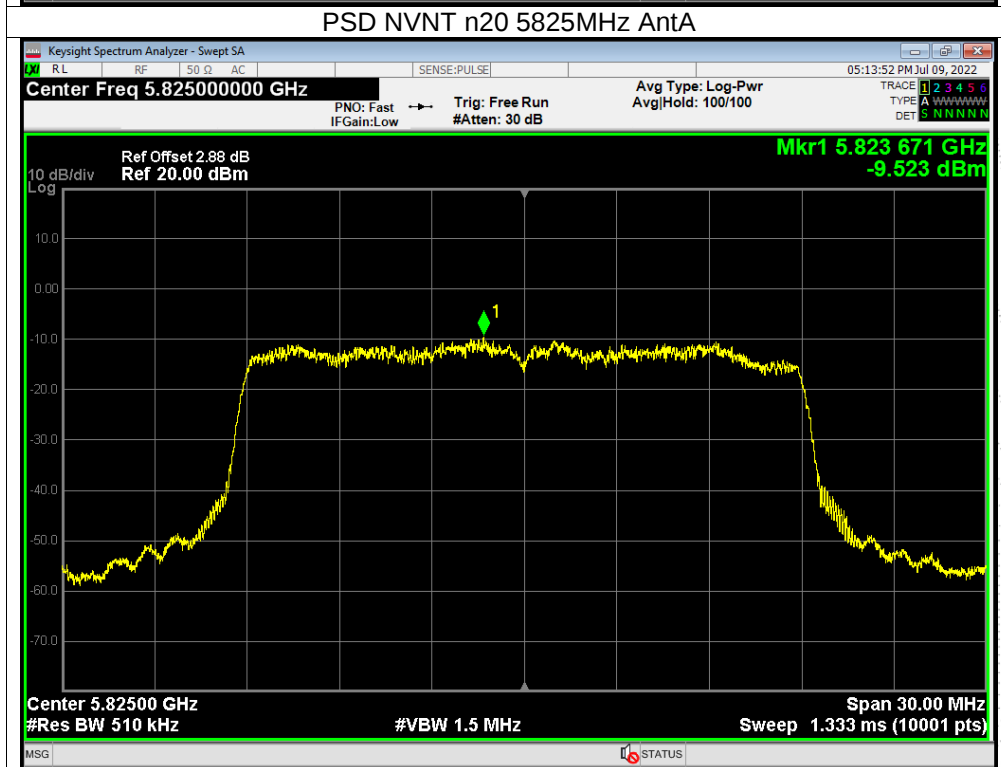
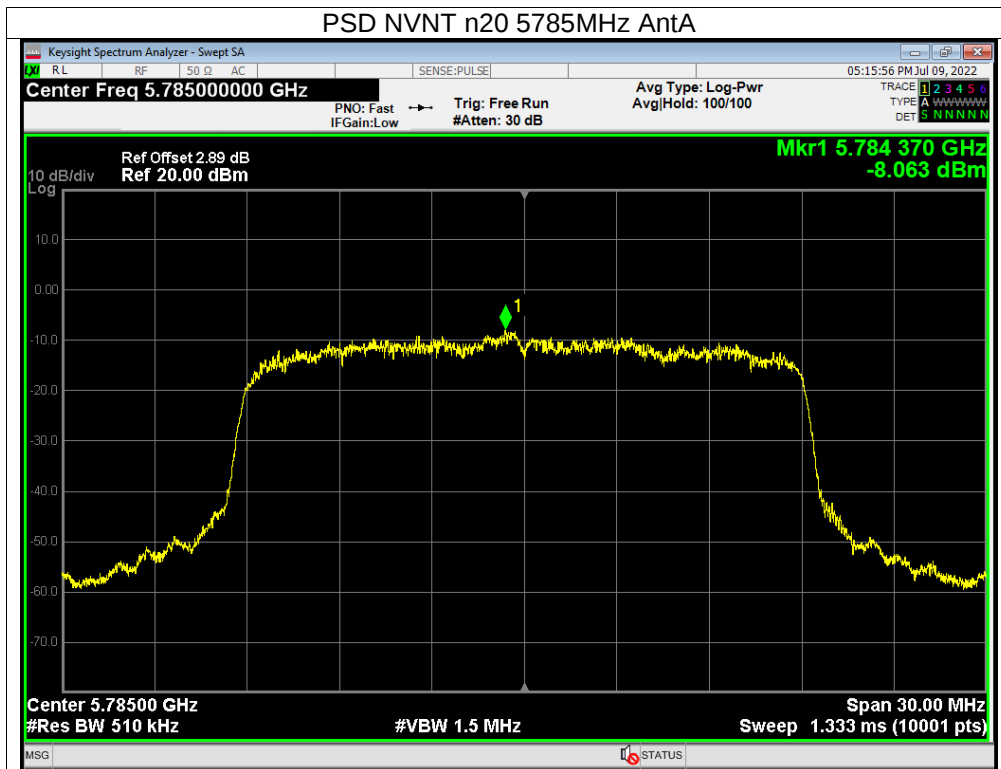
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/500KHz)		Total (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
			Ant A	Ant B			
NVNT	a	5745	-7.18	-5.14	/	30	Pass
NVNT	a	5785	-6.86	-5.98	/	30	Pass
NVNT	a	5825	-7.45	-6.94	/	30	Pass
NVNT	n20	5745	-7.87	-7.33	-4.58	29	Pass
NVNT	n20	5785	-8.06	-6.52	-4.21	29	Pass
NVNT	n20	5825	-9.52	-7.47	-5.36	29	Pass
NVNT	n40	5755	-13.19	-11.02	-8.96	29	Pass
NVNT	n40	5795	-12.62	-10.96	-8.70	29	Pass
NVNT	ac20	5745	-10.19	-7.23	-5.45	29	Pass
NVNT	ac20	5785	-9.03	-7.33	-5.09	29	Pass
NVNT	ac20	5825	-11.07	-9.08	-6.95	29	Pass
NVNT	ac40	5755	-13.65	-12.23	-9.87	29	Pass
NVNT	ac40	5795	-15.75	-13.88	-11.70	29	Pass
NVNT	ac80	5775	-42.97	-38.89	-37.46	29	Pass
NVNT	ax20	5745	-7.83	-6.91	-4.34	29	Pass
NVNT	ax20	5785	-8.2	-7.79	-4.98	29	Pass
NVNT	ax20	5825	-9.19	-7.67	-5.35	29	Pass
NVNT	ax40	5755	-13.9	-12.8	-10.30	29	Pass
NVNT	ax40	5795	-36.14	-12.6	-12.58	29	Pass
NVNT	ax80	5775	-42.27	-42.22	-39.23	29	Pass

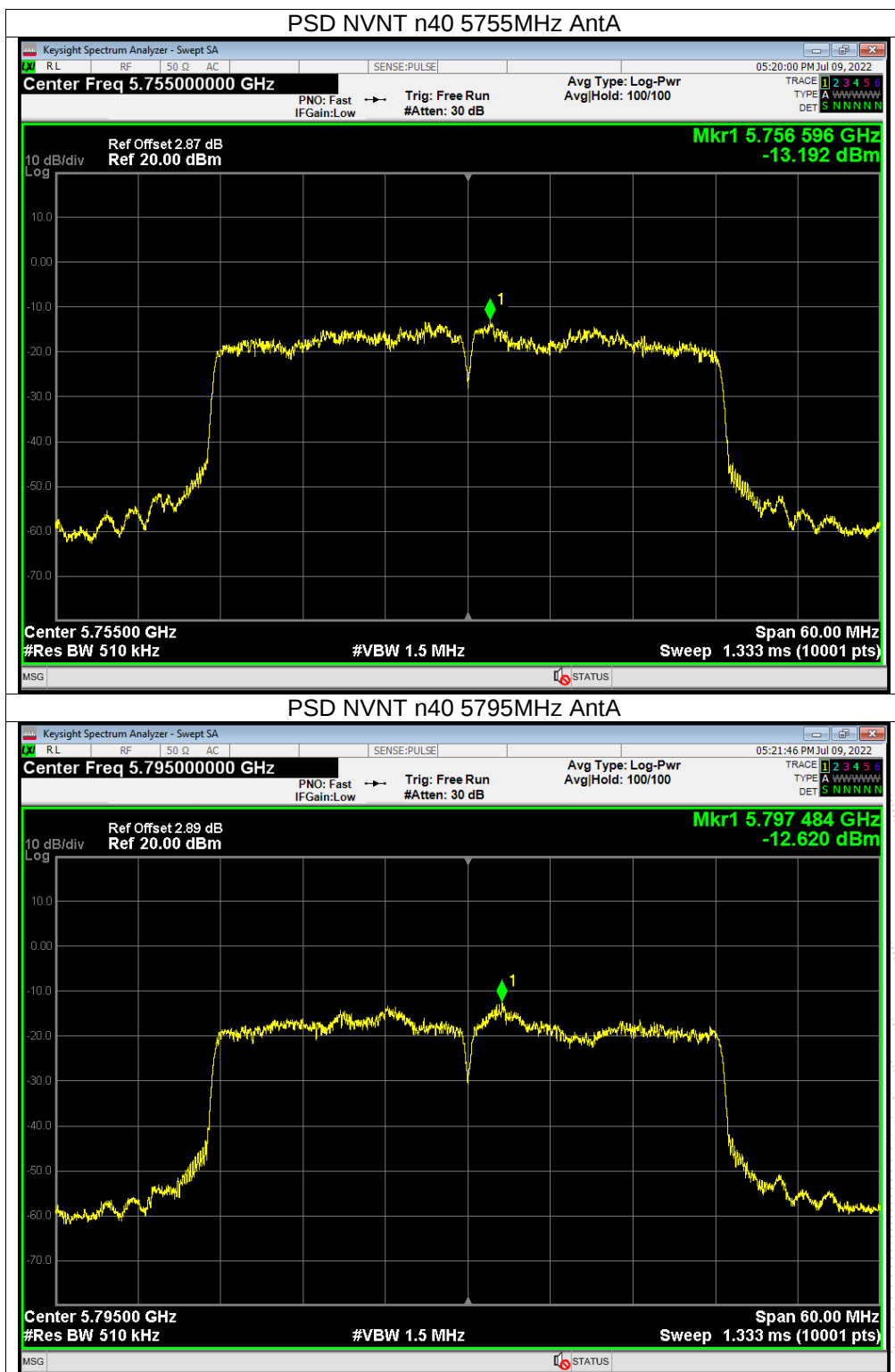


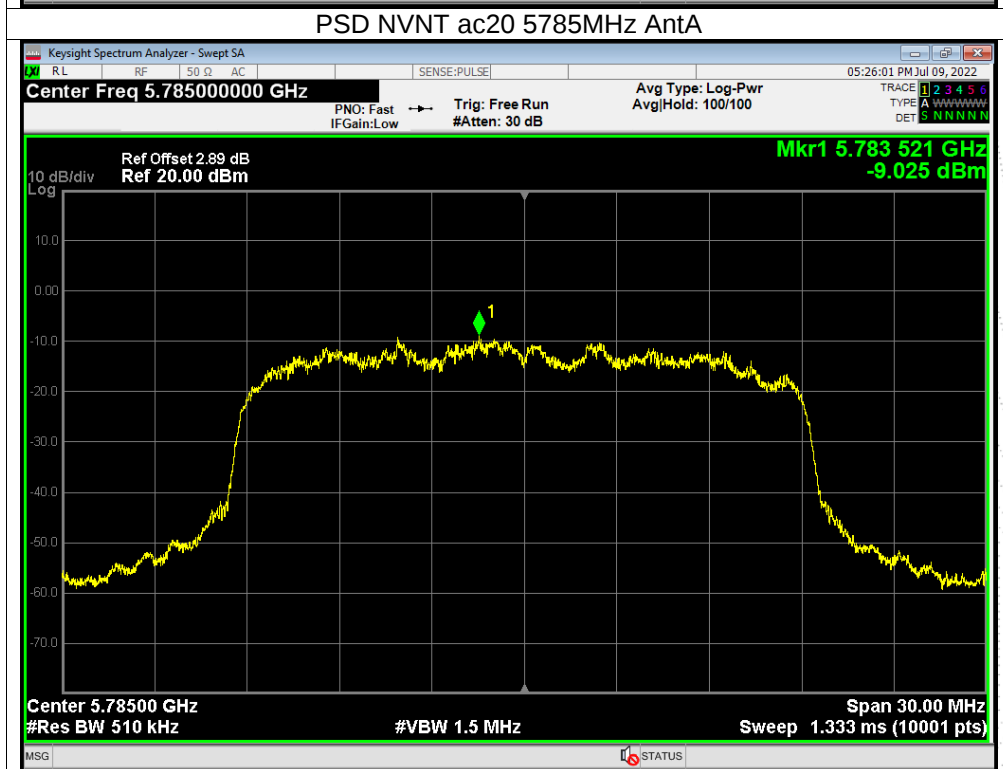
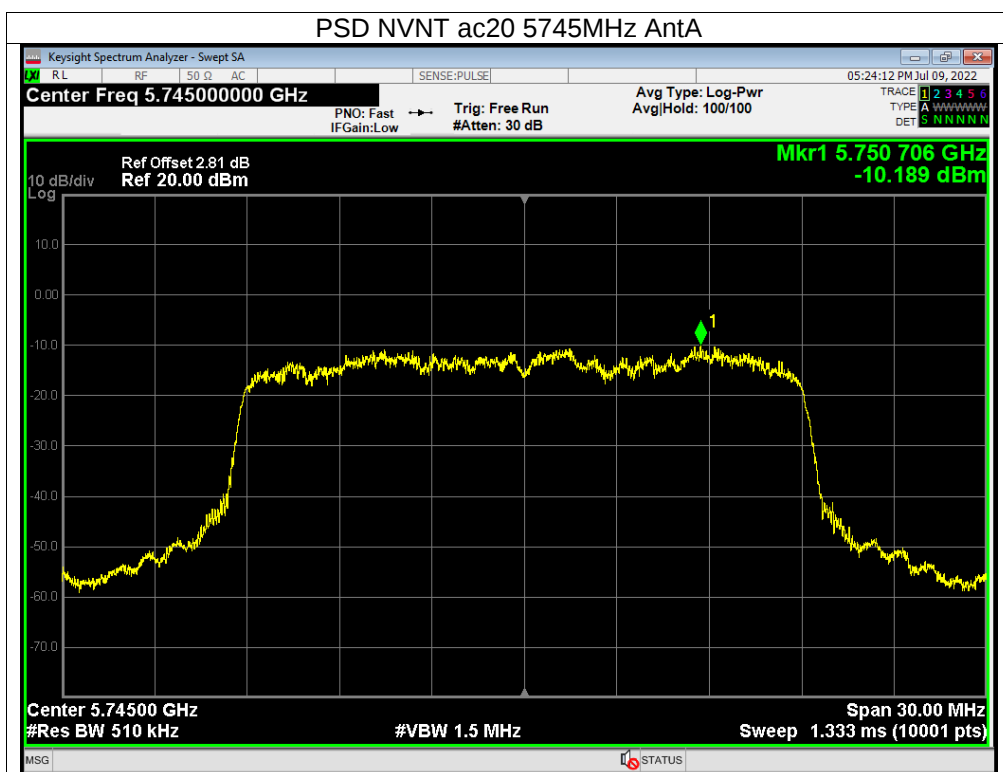
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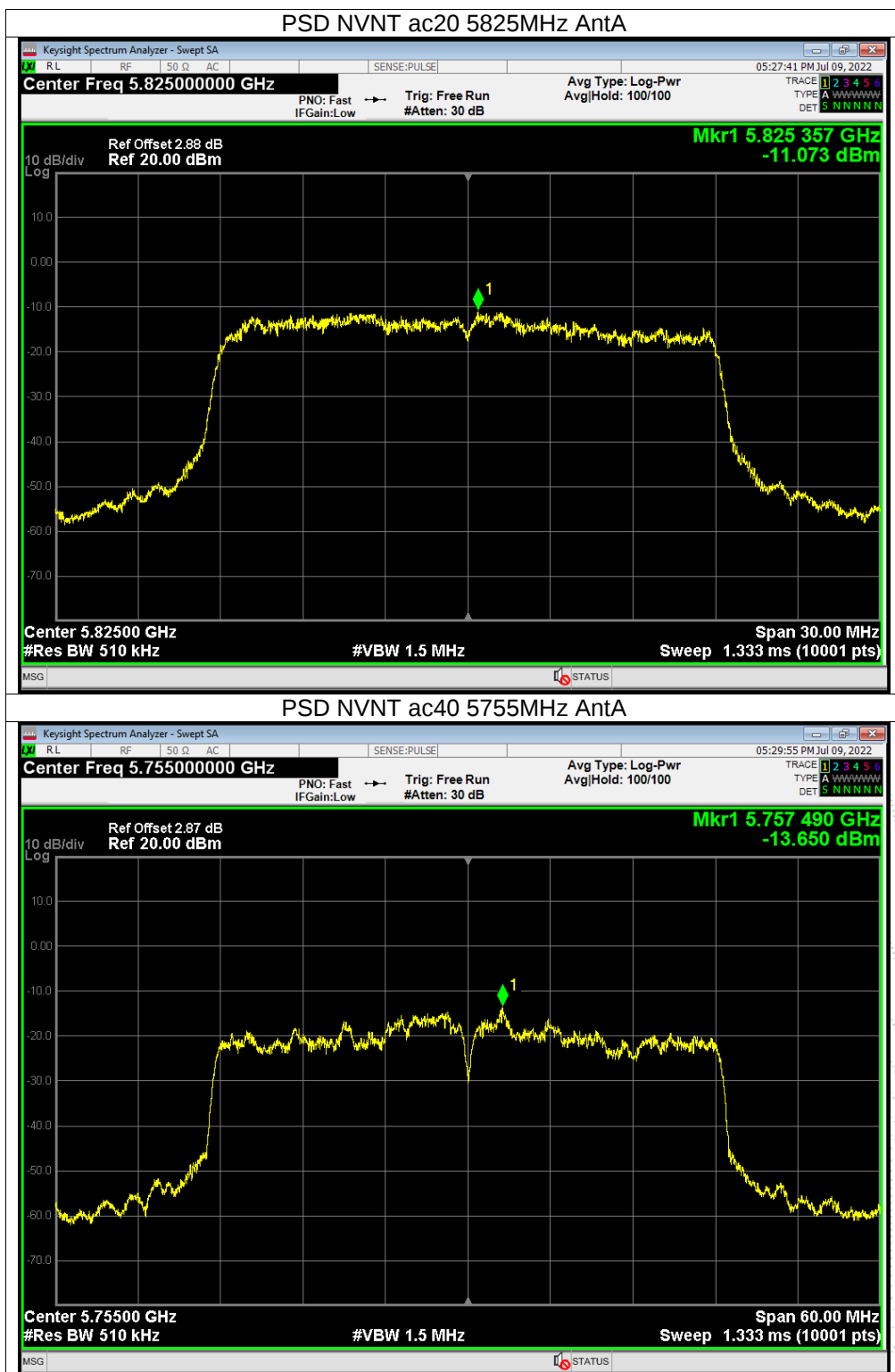


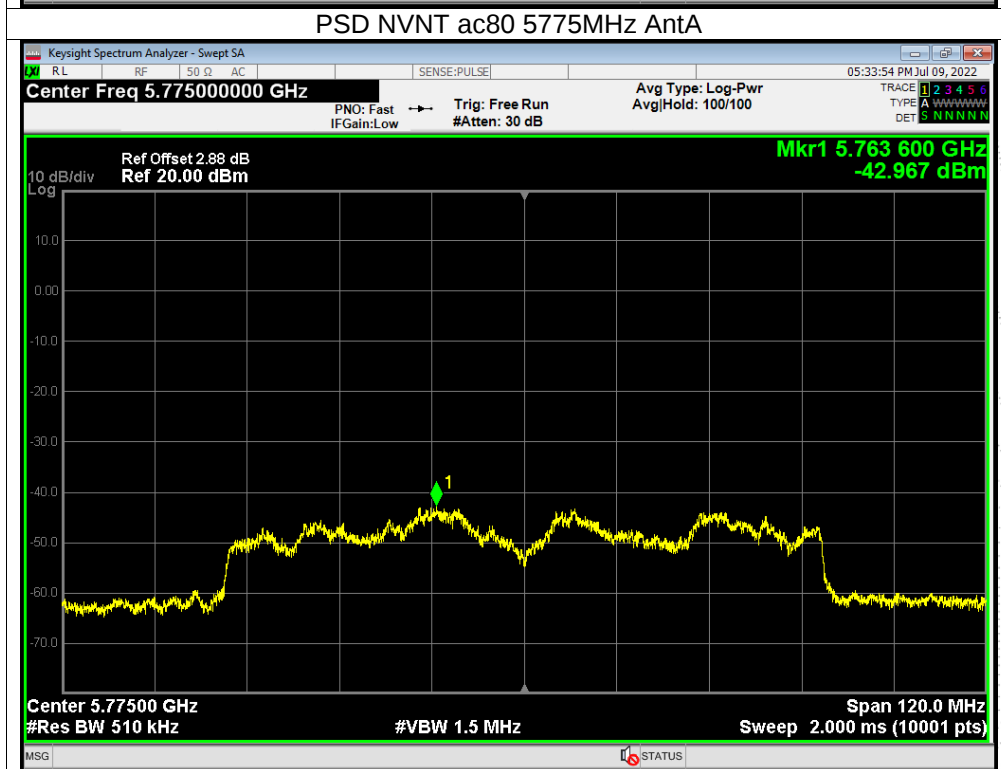
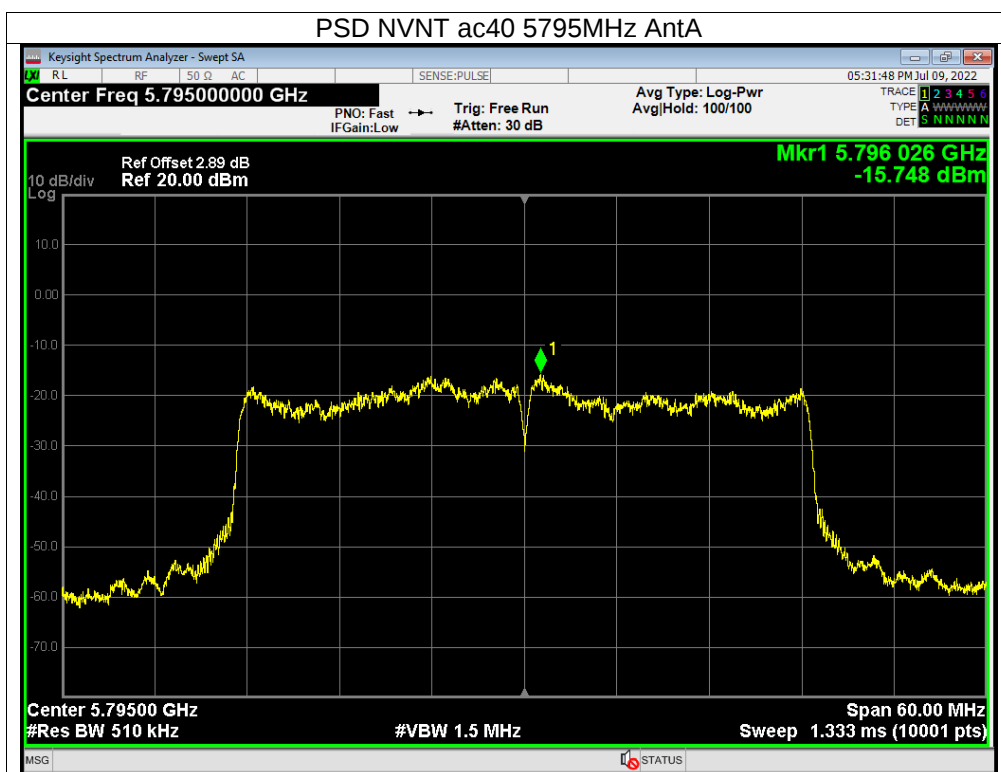


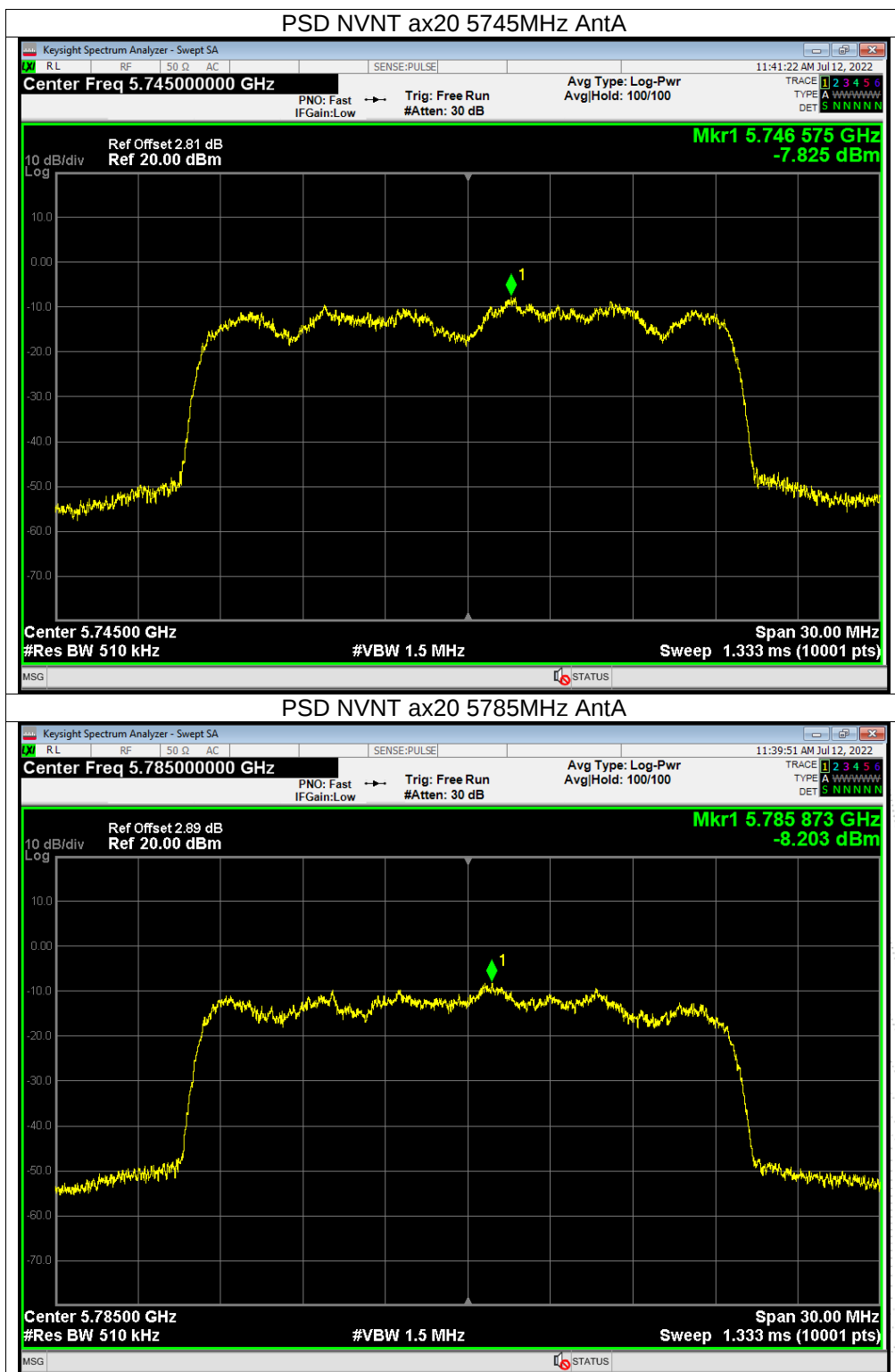


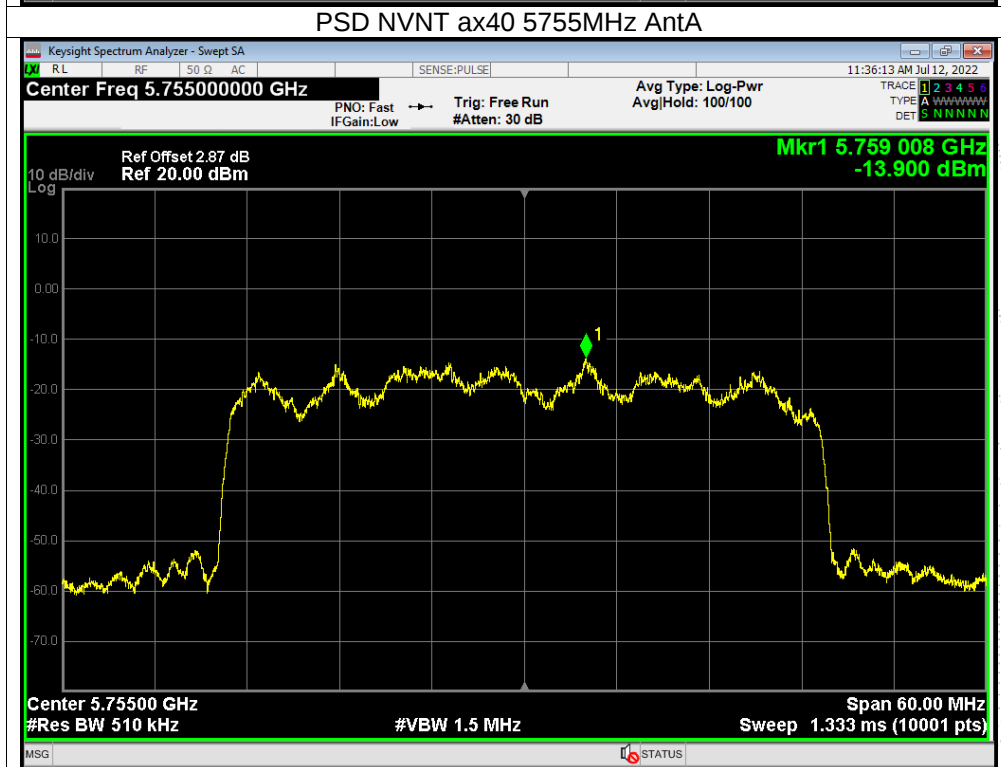
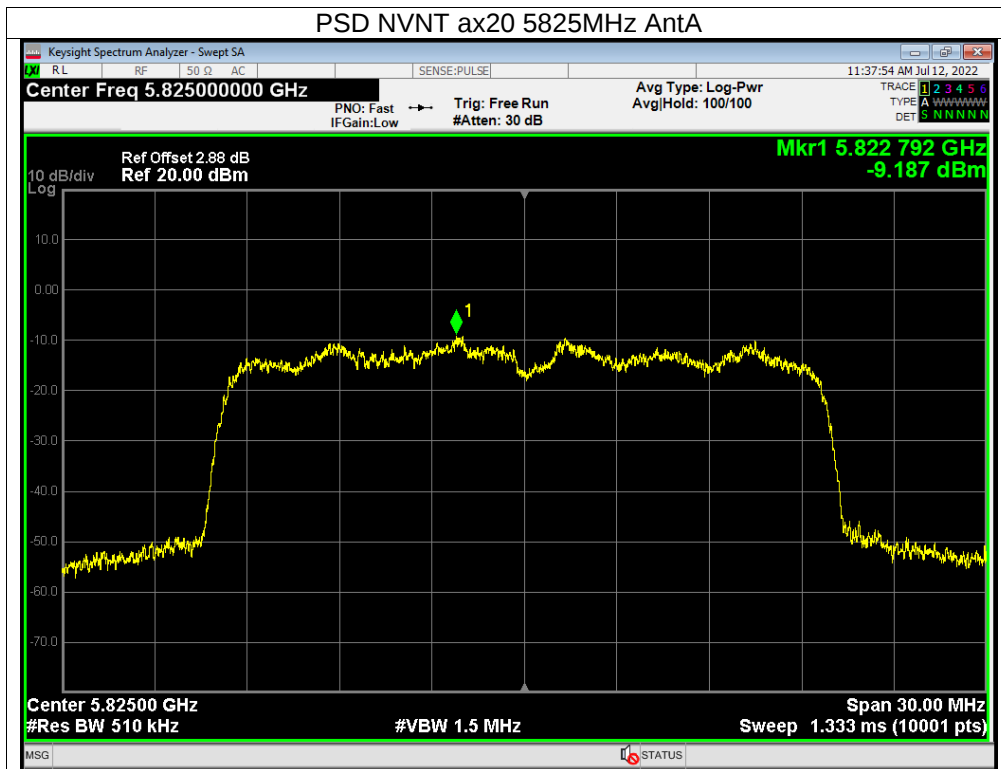


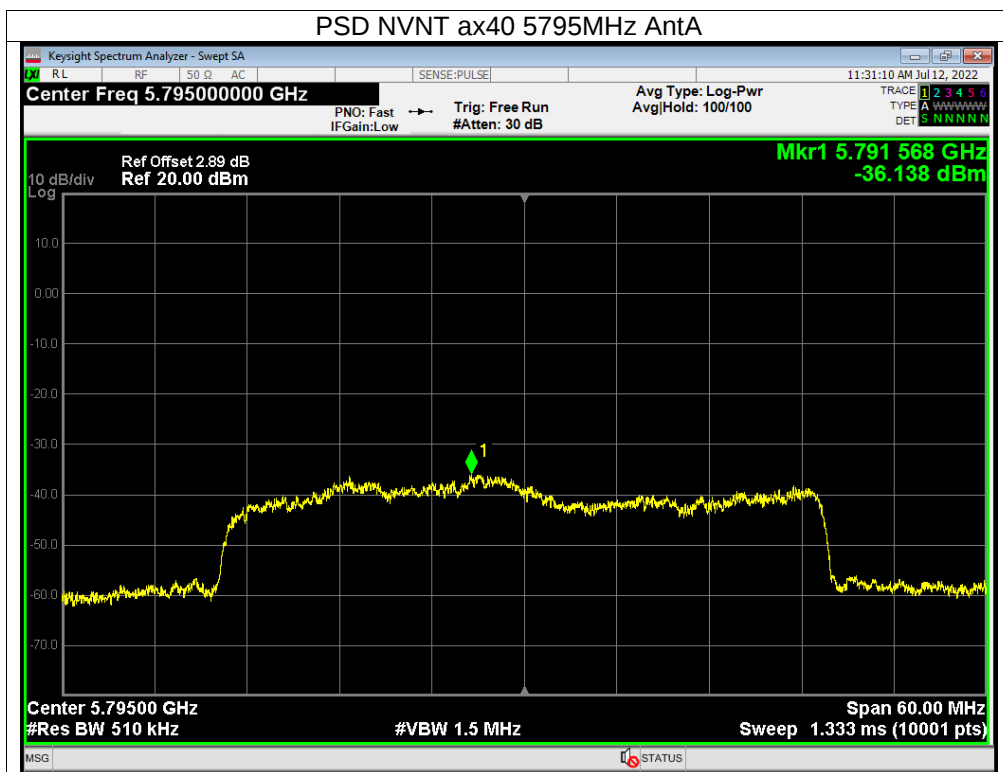






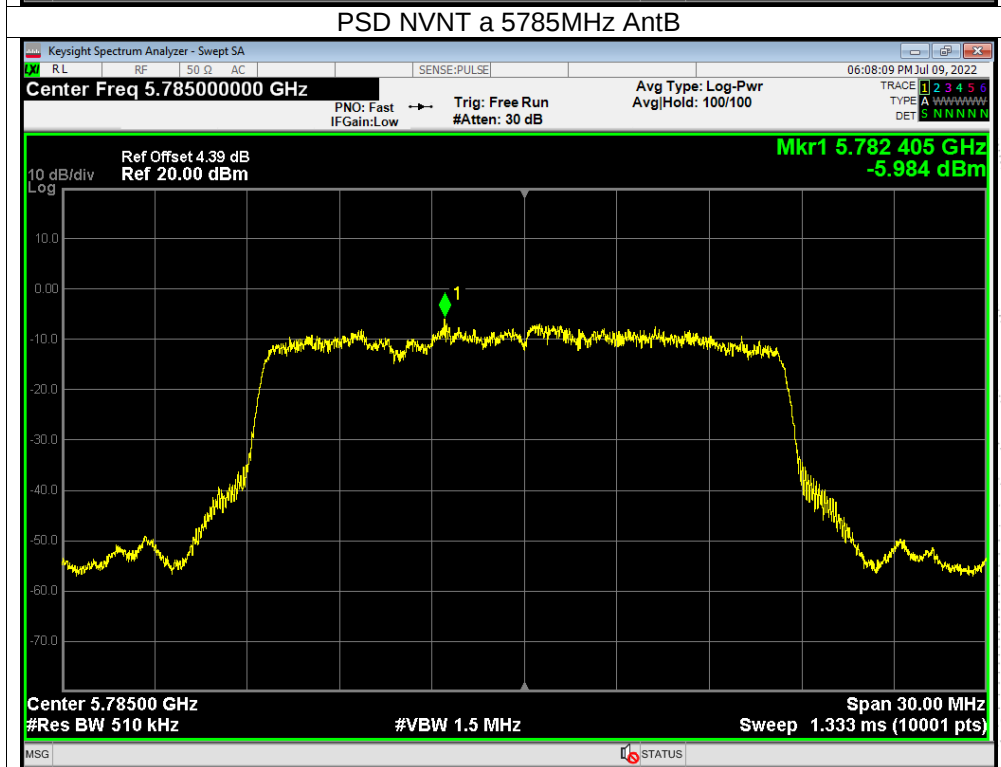
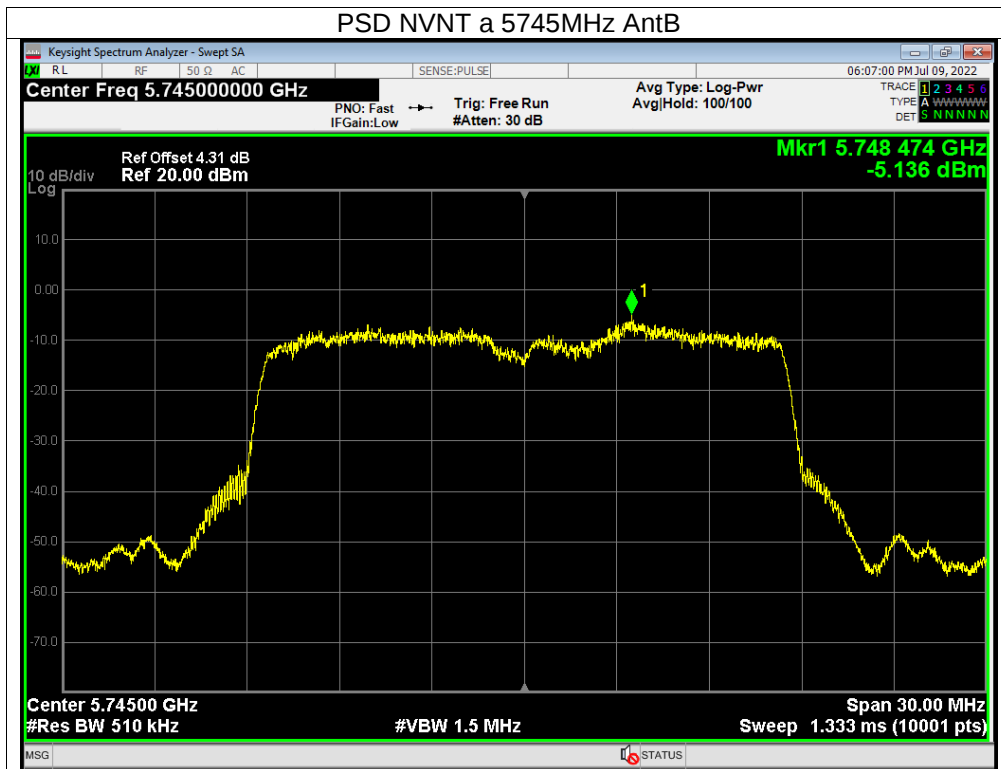




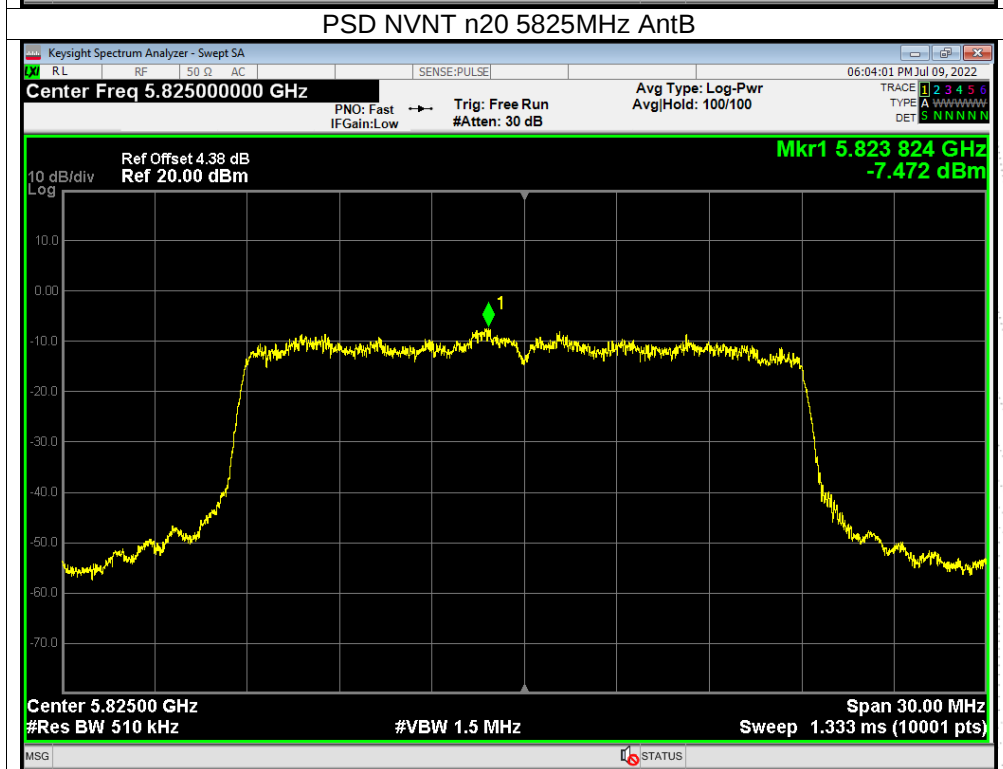
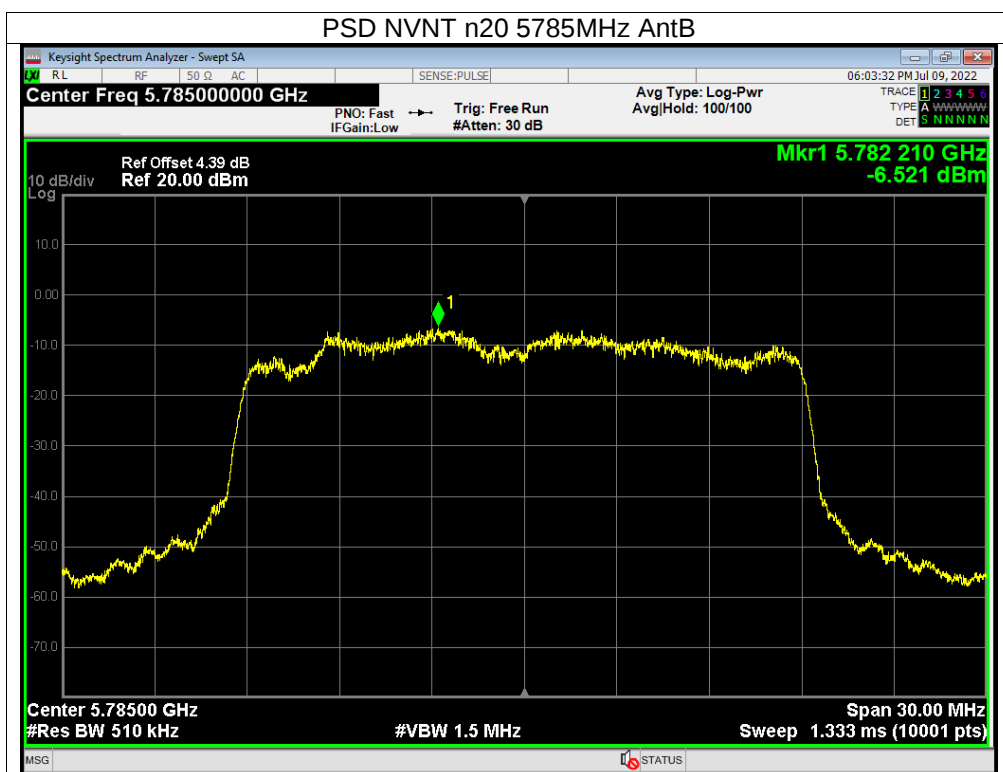


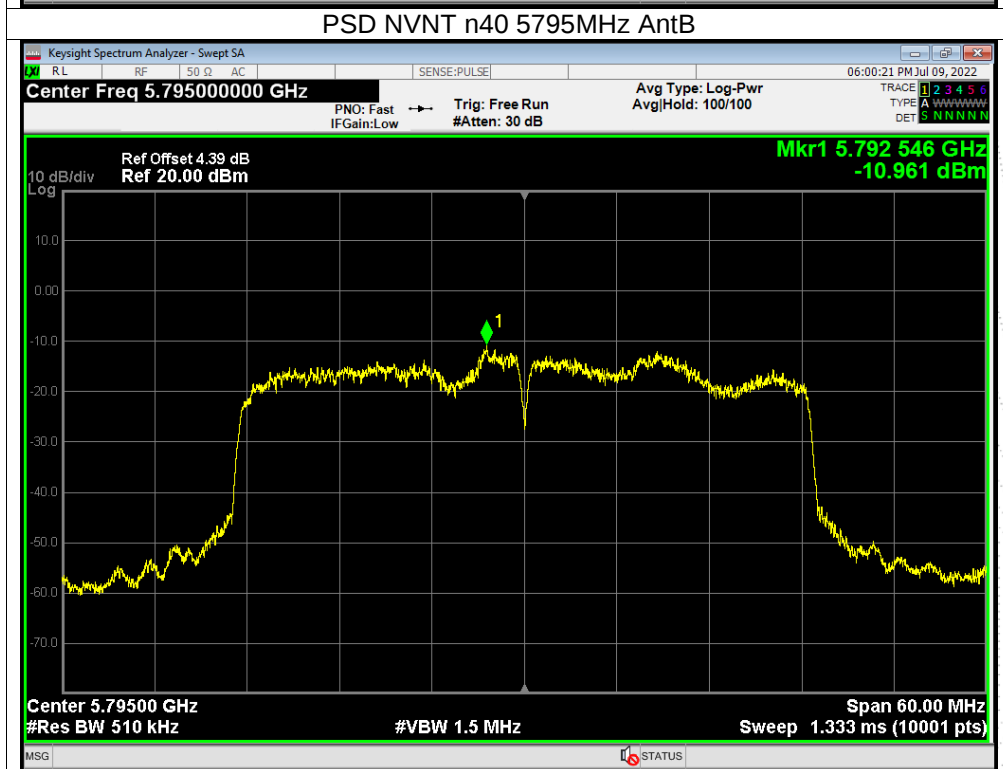
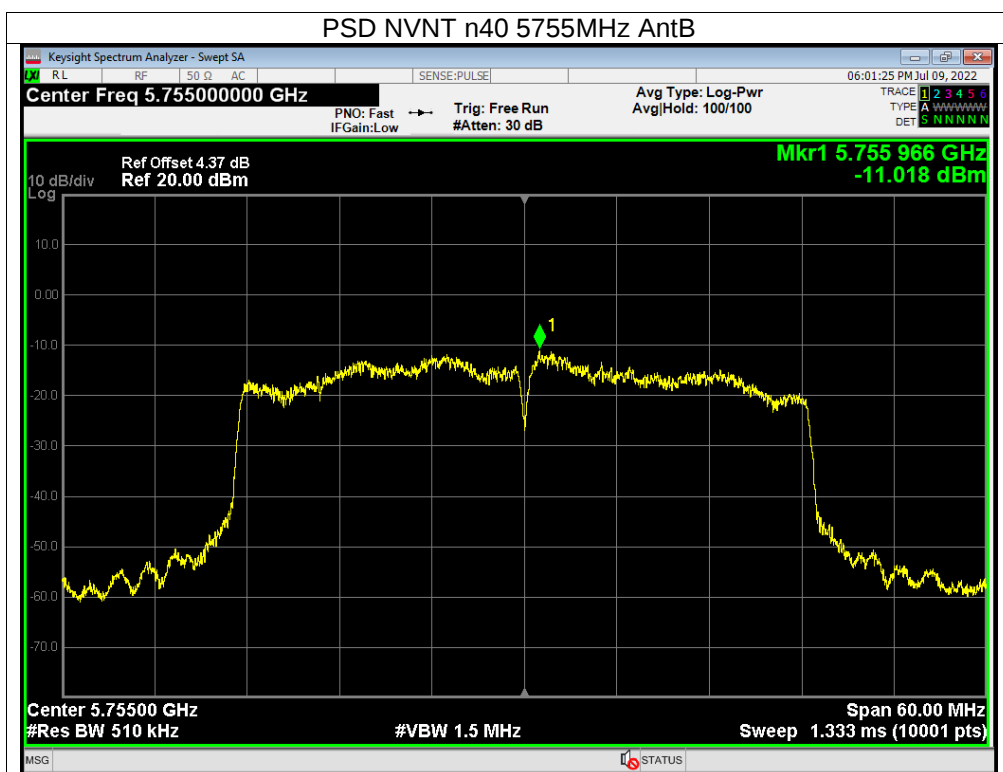


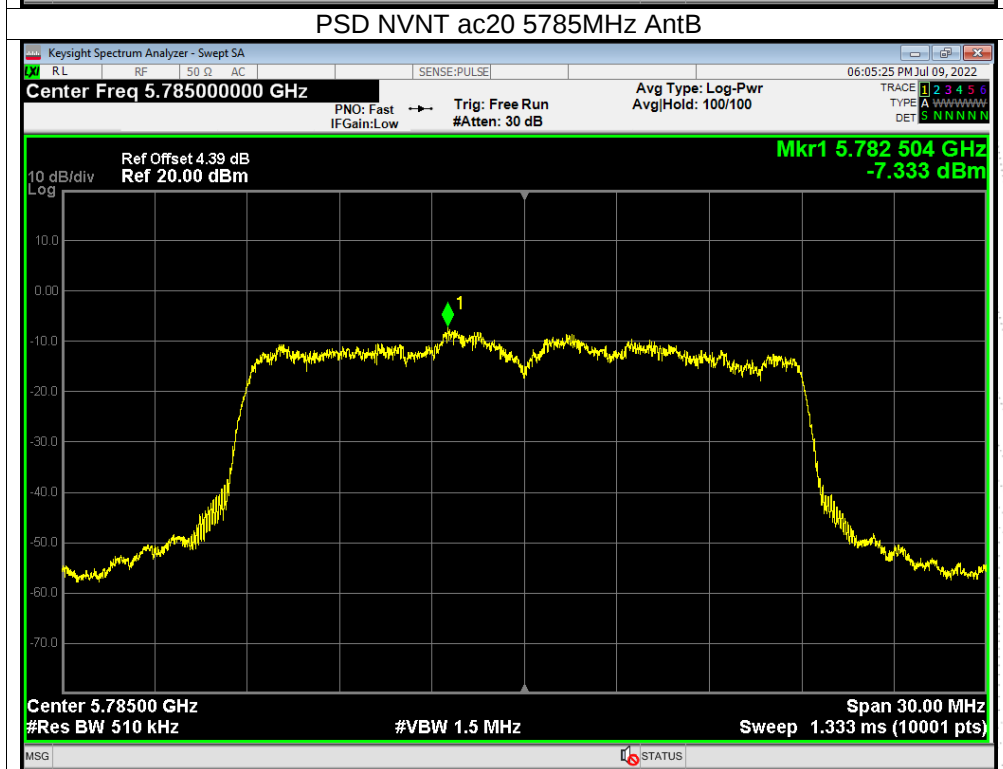
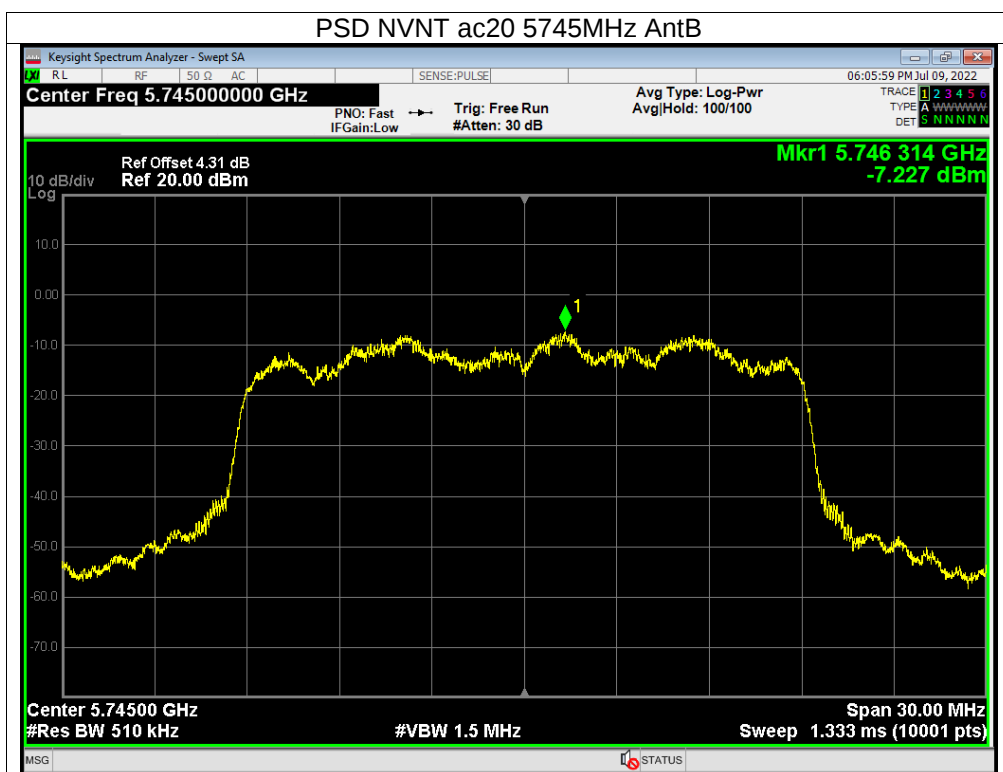
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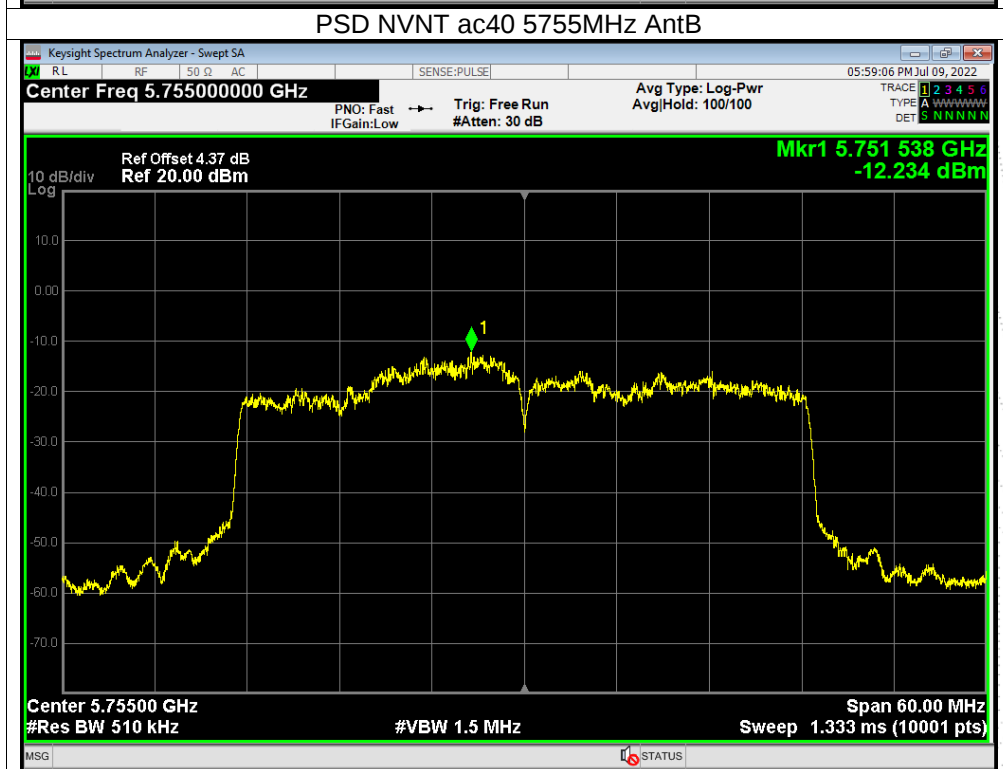
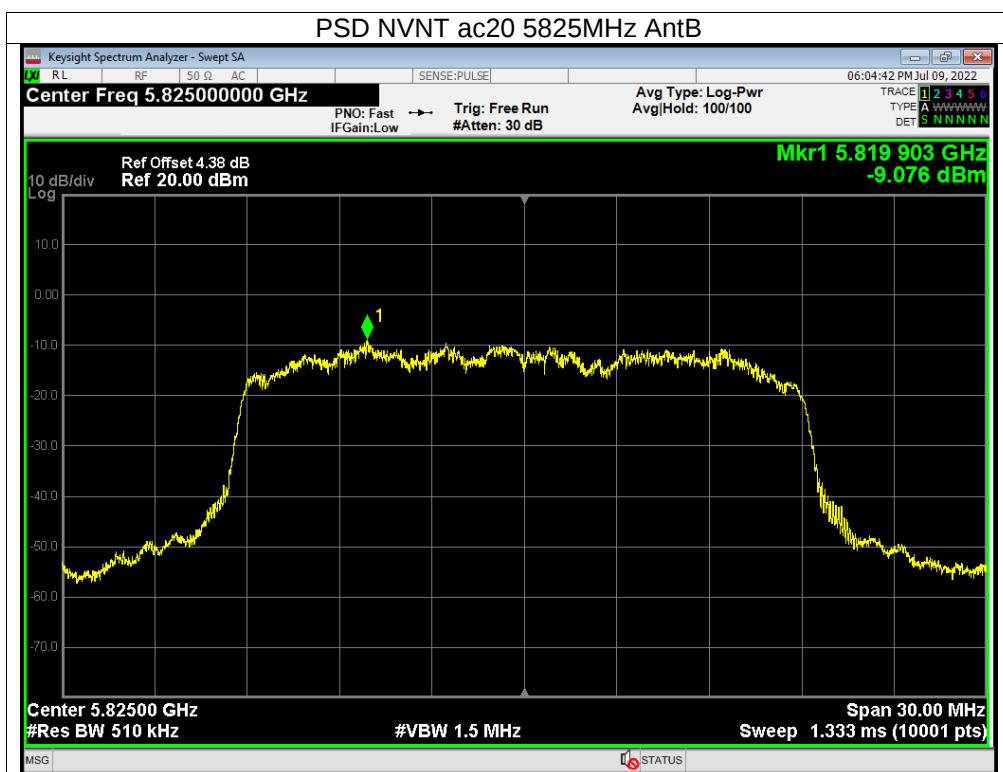




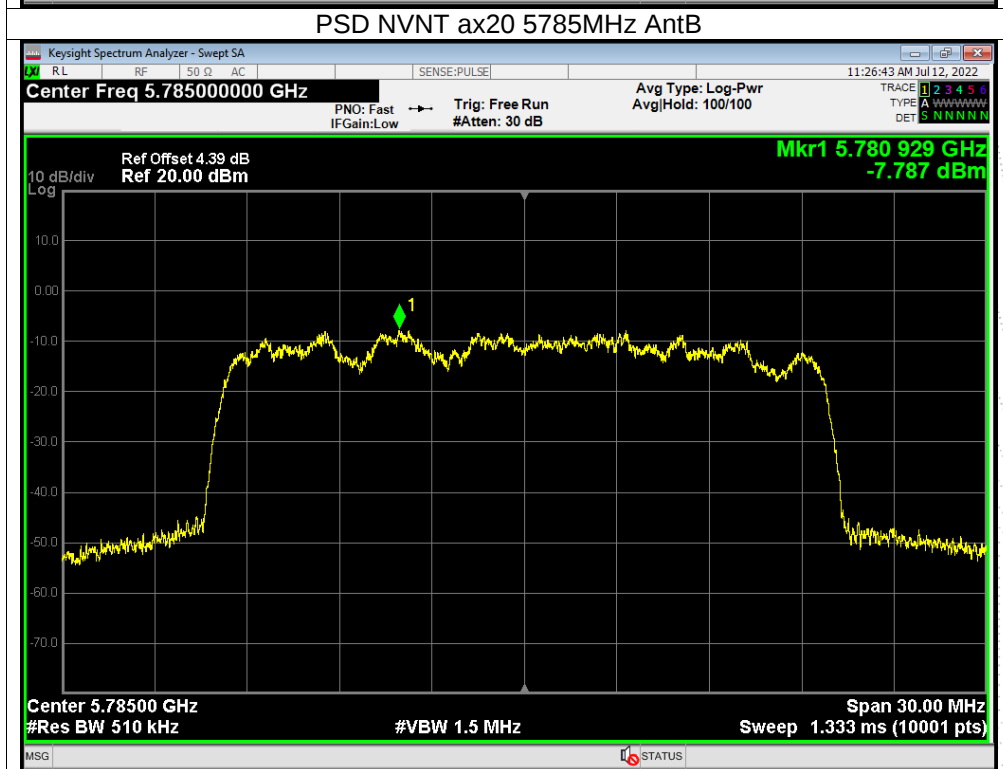
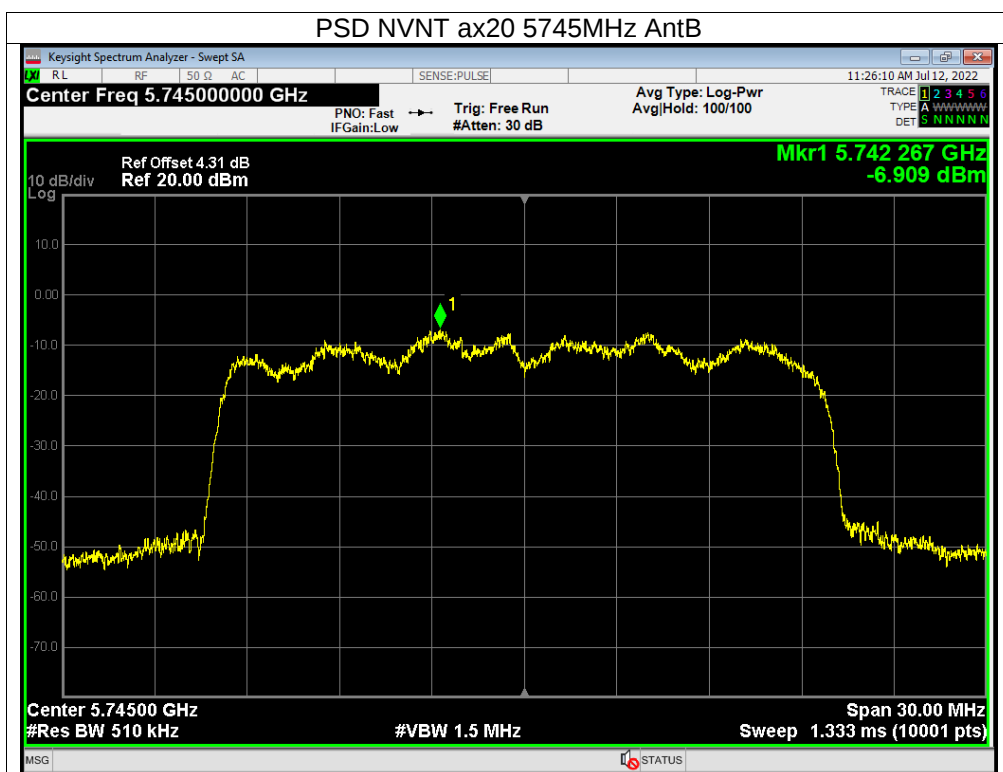


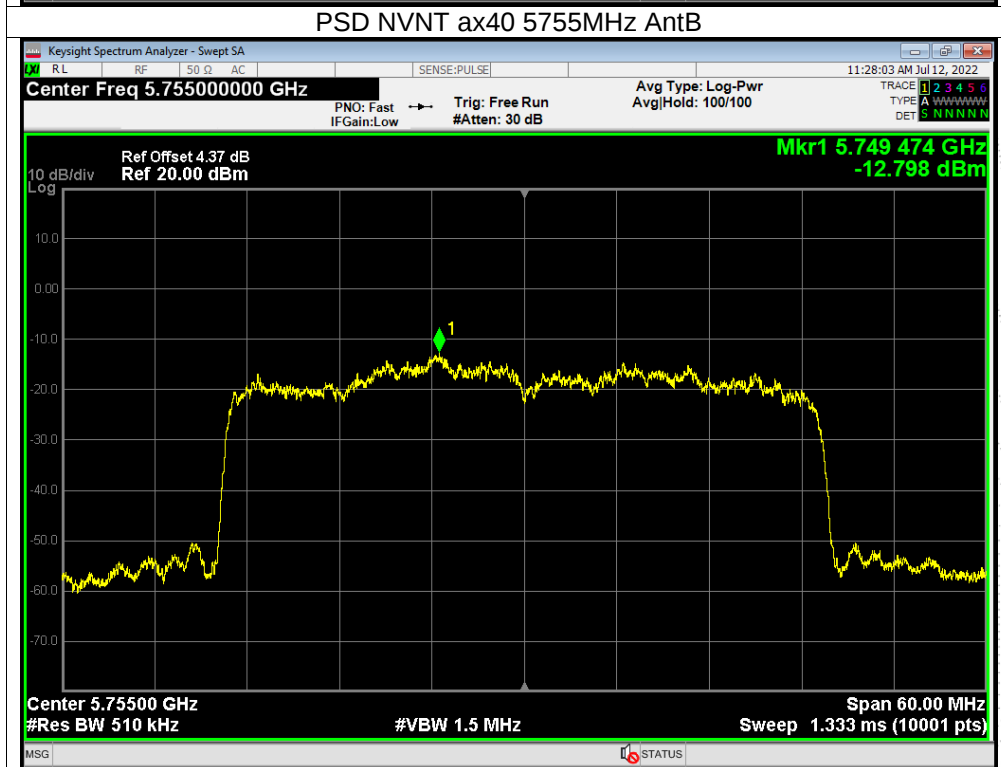
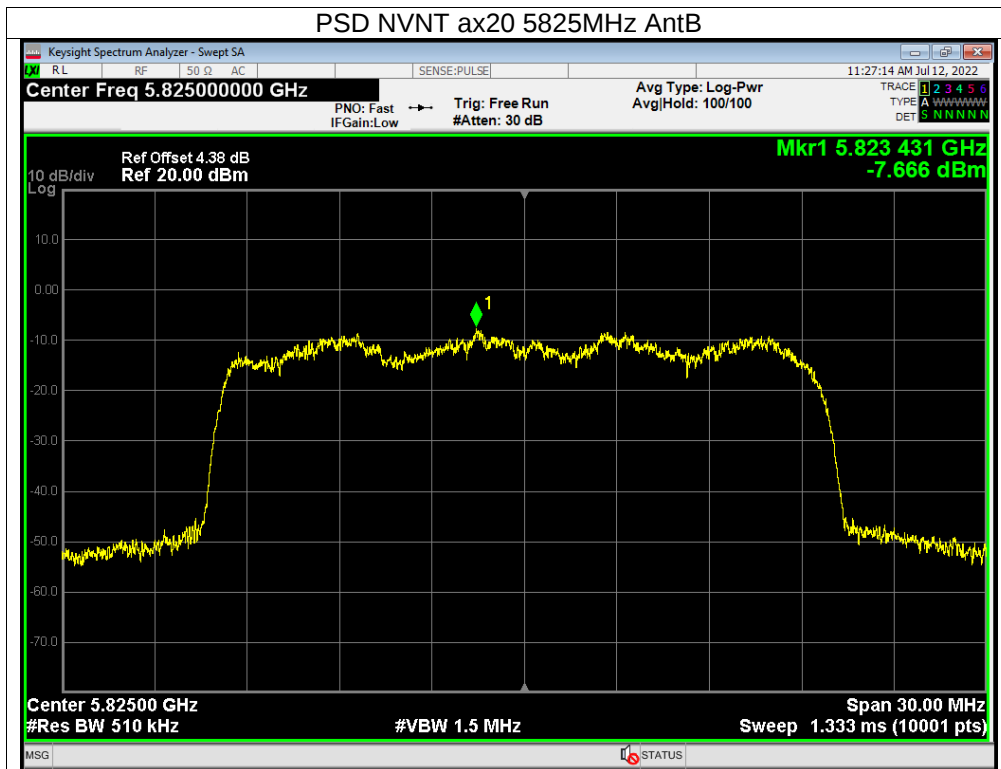


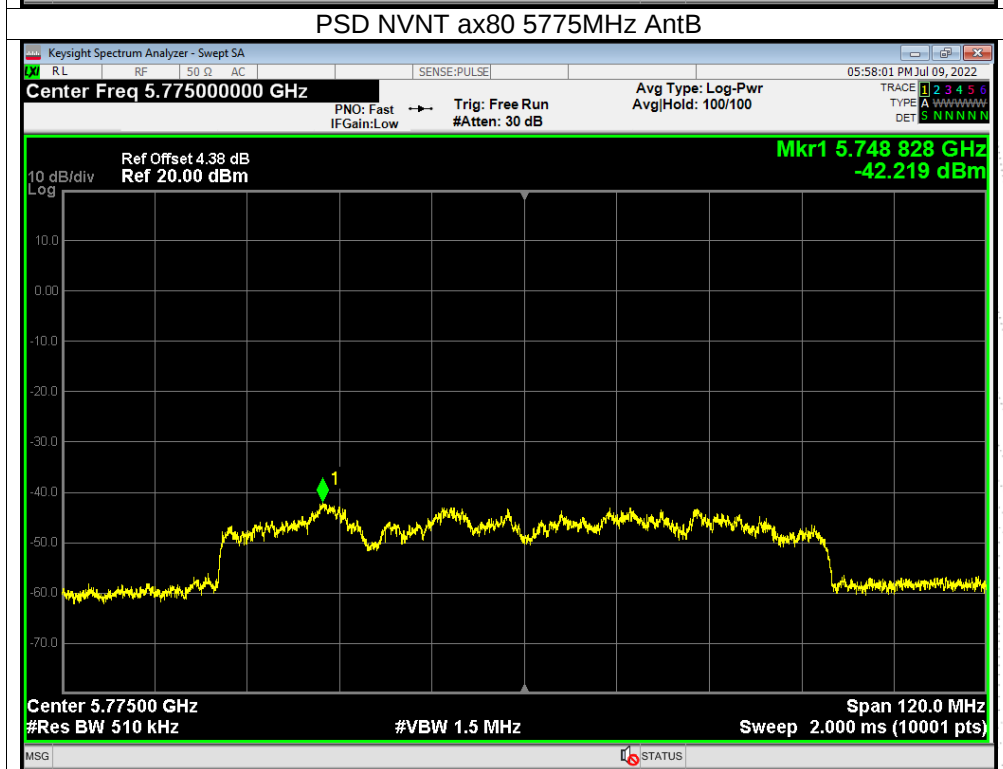
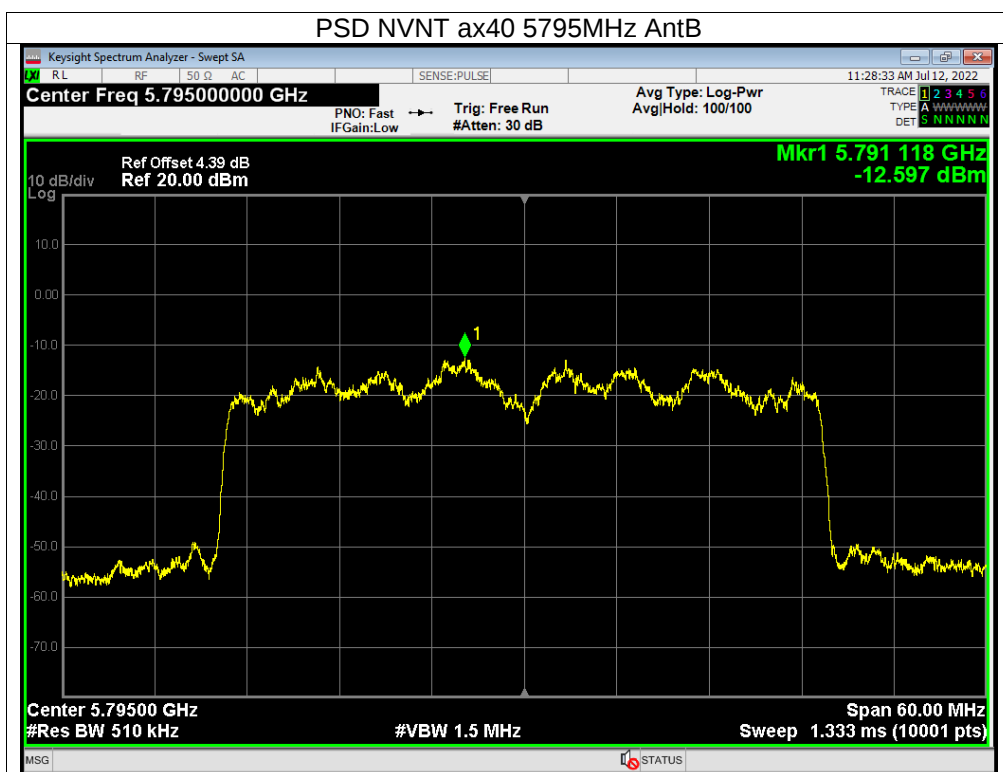






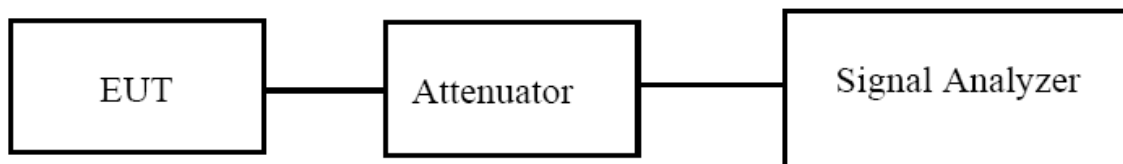






9. 26dB & 6dB & 99% Emission Bandwidth

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 $\geq 3 \cdot$ 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

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

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5180-5240MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	20.107	Pass
NVNT	a	5200	20.144	Pass
NVNT	a	5240	20.189	Pass
NVNT	n20	5180	20.584	Pass
NVNT	n20	5200	20.342	Pass
NVNT	n20	5240	20.253	Pass
NVNT	n40	5190	38.934	Pass
NVNT	n40	5230	39.129	Pass
NVNT	ac20	5180	20.613	Pass
NVNT	ac20	5200	20.487	Pass
NVNT	ac20	5240	20.436	Pass
NVNT	ac40	5190	38.974	Pass
NVNT	ac40	5230	39.218	Pass
NVNT	ac80	5210	78.201	Pass
NVNT	ax20	5180	23.812	Pass
NVNT	ax20	5200	25.966	Pass
NVNT	ax20	5240	19.956	Pass
NVNT	ax40	5190	38.954	Pass
NVNT	ax40	5230	39.249	Pass
NVNT	ax80	5210	78.983	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.597
NVNT	a	5200	16.677
NVNT	a	5240	16.678
NVNT	n20	5180	17.797
NVNT	n20	5200	17.712
NVNT	n20	5240	17.703
NVNT	n40	5190	35.647
NVNT	n40	5230	35.909
NVNT	ac20	5180	17.658
NVNT	ac20	5200	17.687
NVNT	ac20	5240	17.691
NVNT	ac40	5190	35.690

NVNT	ac40	5230	35.989
NVNT	ac80	5210	75.042
NVNT	ax20	5180	19.110
NVNT	ax20	5200	19.066
NVNT	ax20	5240	18.896
NVNT	ax40	5190	37.410
NVNT	ax40	5230	37.540
NVNT	ax80	5210	76.595

