

TEST REPORT

Report No.: BCTC2311299406-2E

Applicant: REOLINK INNOVATION LIMITED

Product Name: WiFi IP Camera

Test Model: RLC-811WA

Tested Date: 2023-11-07 to 2024-01-22

Issued Date: 2024-01-22

Shenzhen **BCTC** Testing Co., Ltd.



FCC ID: 2AYHE-2311B

Product Name: WiFi IP Camera

Trademark: 

Model/Type Reference: RLC-811WA
B8M11WA, W430

Prepared For: REOLINK INNOVATION LIMITED

Address: FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN
STREET MONG KOK KL HONG KONG

Manufacturer: REOLINK INNOVATION LIMITED

Address: FLAT/RM 705 7/F FA YUEN COMMERCIAL BUILDING 75-77 FA YUEN
STREET MONG KOK KL HONG KONG

Factory: Shenzhen Reolink Technology Co., Ltd.

Address: 2-4th Floor, Building 2, YuanLing Industrial Park, ShangWu, Shiyan Street,
Bao'an 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: 2023-11-07

Sample Tested Date: 2023-11-07 to 2024-01-22

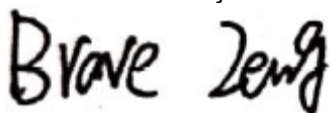
Issue Date: 2024-01-22

Report No.: BCTC2311299406-2E

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

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

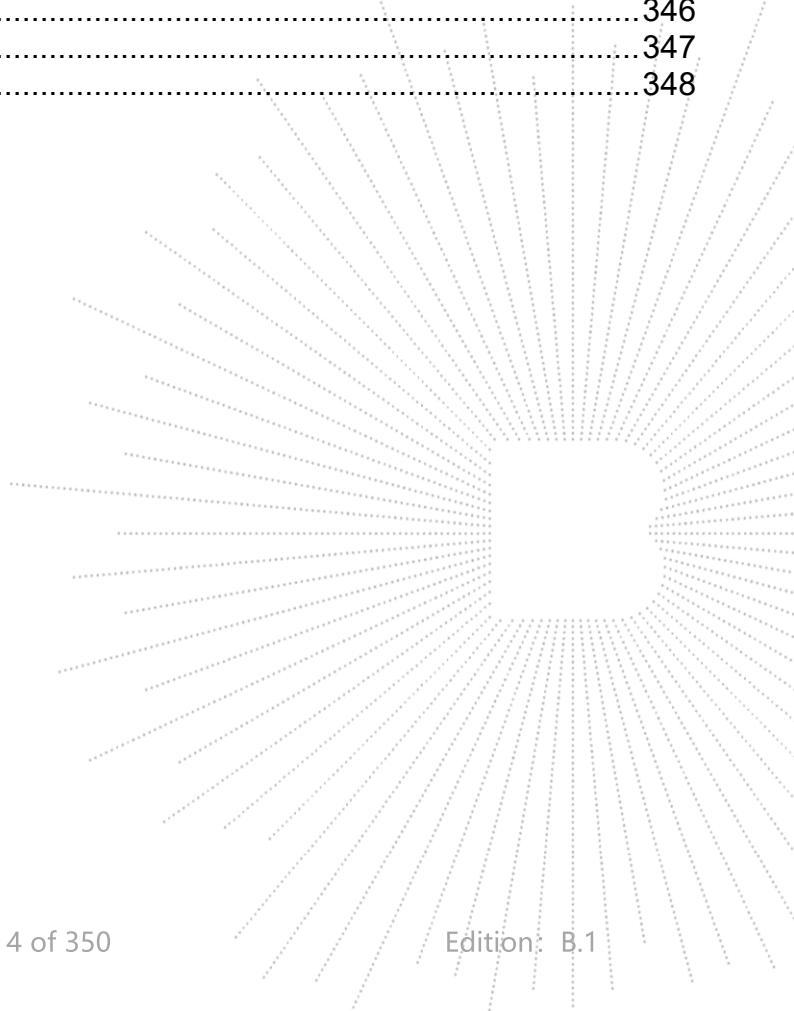
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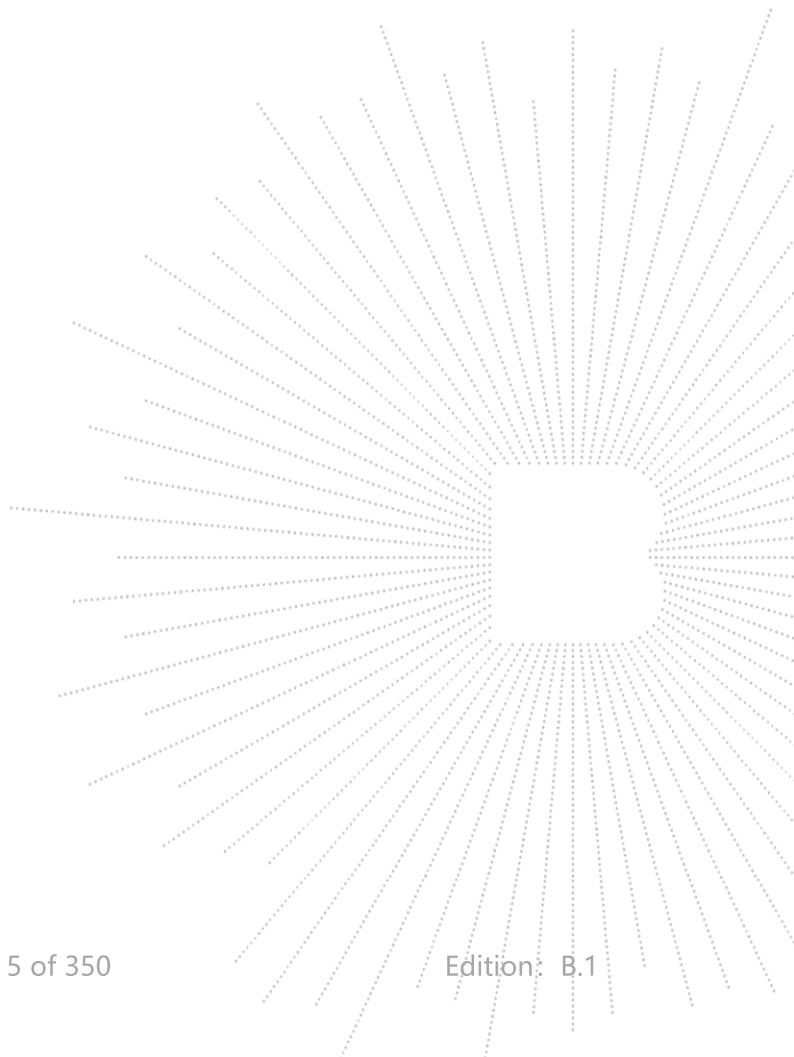
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(Note: N/A Means Not Applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2311299406-2E	2024-01-22	Original	Valid

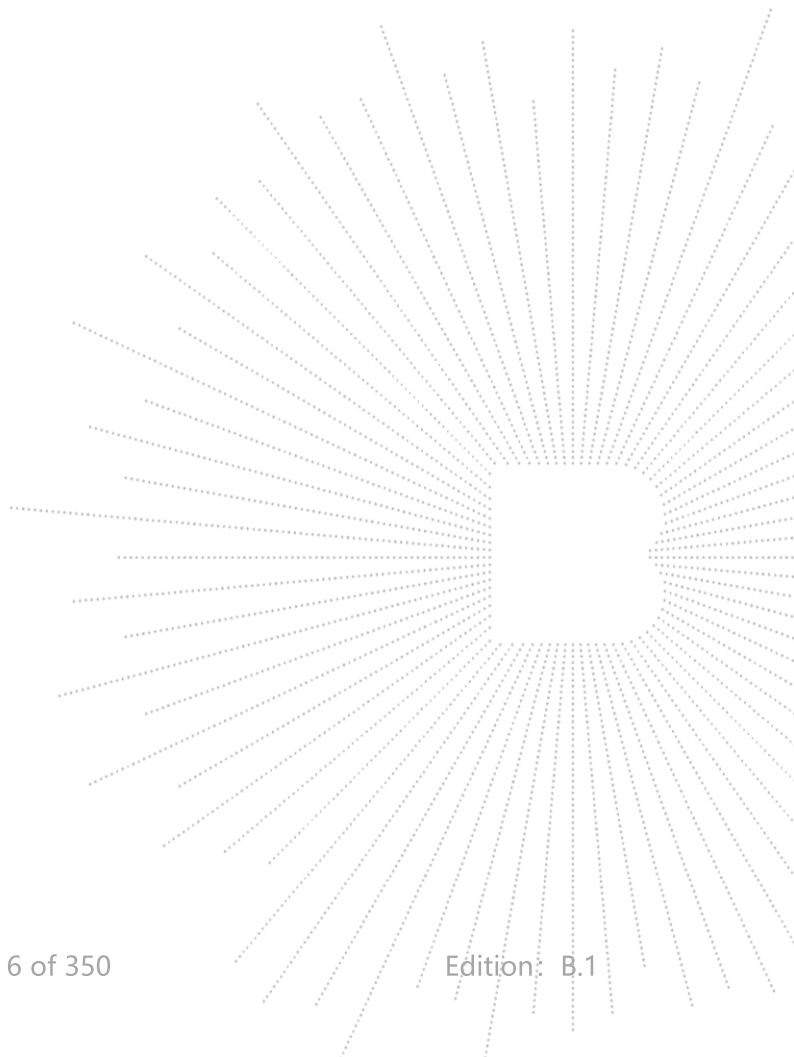


2. Test Summary

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)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 a 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 a	PASS
6	Band Edge	15.407 b	PASS
7	Power Spectral Density	15.407 a	PASS
8	Spurious Emissions at Antenna Terminals	15.407 b	PASS
9	Antenna Requirement	15.203	PASS

Note: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.



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 reference:	RLC-811WA B8M11WA, W430
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	V1.0
Software Version:	V1.0
IEEE 802.11 WLAN Mode Supported:	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax(40MHz channel bandwidth) 802.11ac/ax(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ac(HT20)/ax(HT20); 5190-5230MHz for 802.11n/ac(HT40)/ax(HT40); 5210MHz for 802.11 ac80/ax80; 5260-5320MHz for 802.11a/n/ac(HT20)/ax(HT20); 5270-5310MHz for 802.11n/ac(HT40)/ax(HT40); 5290MHz for 802.11 ac80/ax80; 5500-5700MHz for 802.11a/n/ac(HT20)/ax(HT20); 5410-5670MHz for 802.11n/ac(HT40)/ax(HT40); 5530MHz for 802.11 ac80/ax80; 5745-5825 MHz for 802.11a/n/ac(HT20)/ax(HT20); 5755-5795 MHz for 802.11n/ac(HT40)/ax(HT40); 5775MHz for 802.11 ac80/ax80
Data Rate:	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac/ax(VHT20): NSS1, MCS0-MCS8 802.11ac/ax(VHT40/VHT80):NSS1, MCS0-MCS9
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac/ax;
Antenna installation:	External antenna*2
Antenna Gain:	5G: Antenna A & B: 2.55 dBi
Ratings:	AC 120V/60Hz
Adapter Information:	Model: DCT12W120100US-B0 Input: 100-240V~50/60Hz 0.3A max Output:12.0V==1.0A
Remark:	The antenna gain of the product is provided by the customer, and the test data is affected by the customer information.

4.2 Test Setup Configuration

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

4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	WiFi IP Camera		RLC-811WA	B8M11WA, W430	EUT
E-2	Adapter	N/A	DCT12W12010 0US-B0	N/A	Auxiliary
E-3	Router	N/A	N/A	N/A	Auxiliary
E-4	laptop	N/A	N/A	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	1M	DC cable unshielded

Notes:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.4 Channel List

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency
20MHz	36	5180	40	5200
	44	5220	48	5240
40MHz	38	5190	46	5230
80MHz	42	5210		
(U-NII-2A) 5260MHz-5320MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency
20MHz	52	5260	56	5280
	60	5300	64	5320
40MHz	54	5270	62	5310
80MHz	58	5290		
(U-NII-2C) 5500MHz-5700MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency
20MHz	100	5500	105	5520
	108	5540	112	5560
	116	5580	132	5660
	136	5680	140	5700
40MHz	102	5510	110	5550
	134	5670	142	5710
80MHz	106	5530		
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency
20MHz	149	5745	153	5765
	157	5785	161	5805
	165	5825		
40MHz	151	5775	159	5795
80MHz	155	5775		

4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11a / n/ ac 20/ax 20 CH36/ CH40/ CH 48 802.11a / n/ ac 20/ax 20 CH52/ CH56/ CH 64 802.11a / n/ ac 20/ax 20 CH100/ CH116/ CH 140 802.11a /n/ ac 20/ax 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40/ax 40 CH38/ CH 46 802.11n/ ac40/ax 40 CH54/ CH 62 802.11n/ ac40/ax 40 CH102/ CH 110/CH134 802.11n/ ac40/ax 40 CH 151 / CH 159
Mode 3	802.11 ac80/ax 80 CH 42/ CH 58/ CH 106/ CH 155
Mode 4	Link Mode

Note:

(1) 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

5.1G&5.3G&5.6G&5.8G

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	External antenna	2.55	N/A
B	N/A	N/A	External antenna	2.55	N/A

EUT has two External antenna with Max gain GANT 2.55dBi 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,
 $\text{Array Gain} = 10\log(\text{NANT}/\text{NSS})\text{dB} = 10\log(2/1) = 3.01 \text{ dBi}$,
 So the directional gain for PSD is 5.56 dBi
 2)For power measurements,
 The Array gain=0 for $\text{NANT} \leq 4$,
 So the directional gain for Power measurements is 2.55dBi

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

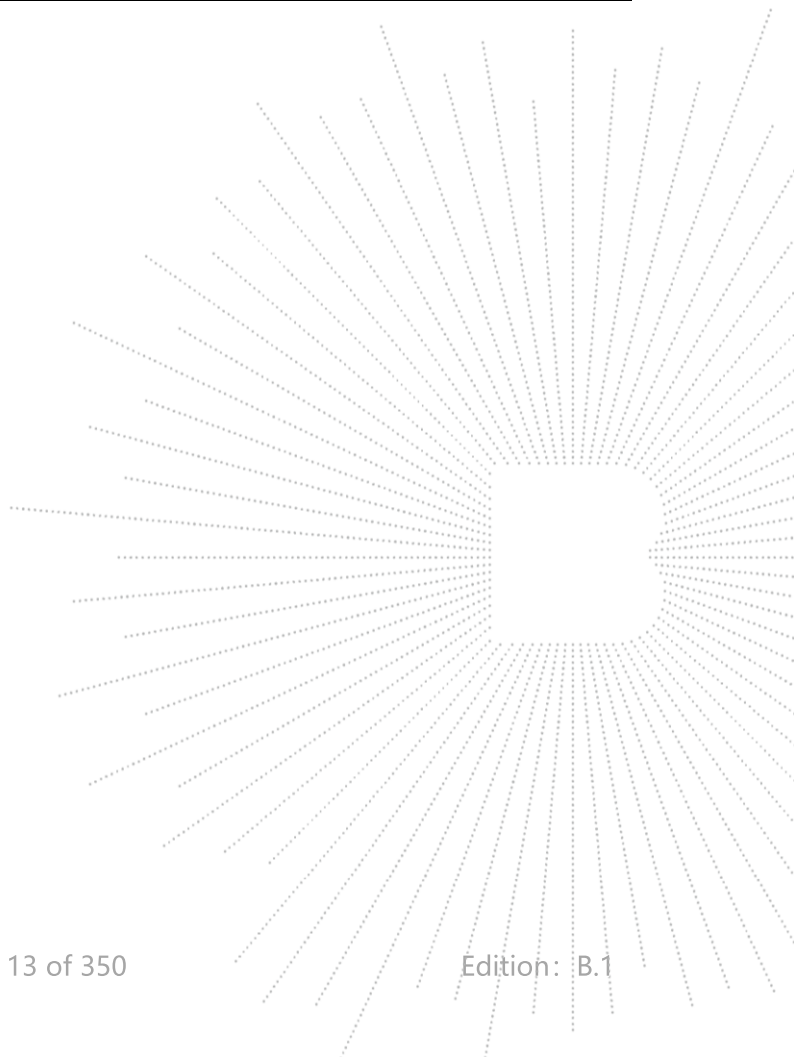
ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
LISN	R&S	ENV216	101375	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	Sept. 22, 2023	Sept. 21, 2024

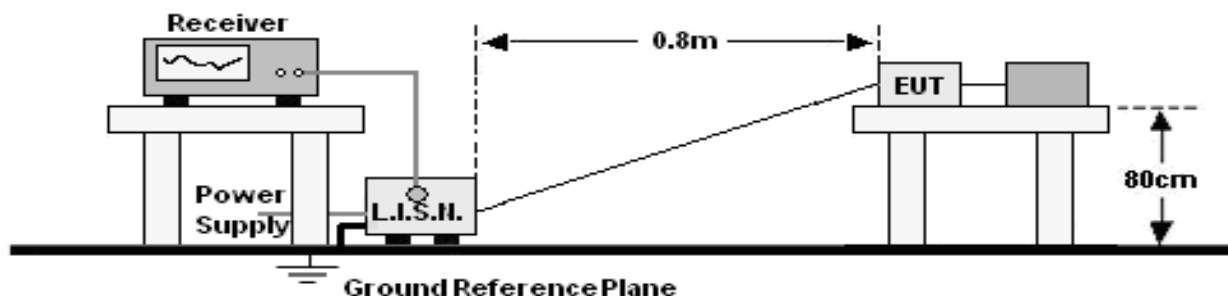
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Radio frequency control box	MAIWEI	MW100-RF CB	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber02)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	SKET	966 Room	966	Nov. 02. 2021	Nov. 01.2024
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRI7	100010	Nov. 13. 2023	Nov. 12, 2024
Amplifier	SKET	LNPA-30M01 G-30	SK2021082004	Nov. 13. 2023	Nov. 12, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	Mar. 06, 2022	Mar. 05, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	SK202104090 1	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 Antenna(18G Hz-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:

- *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

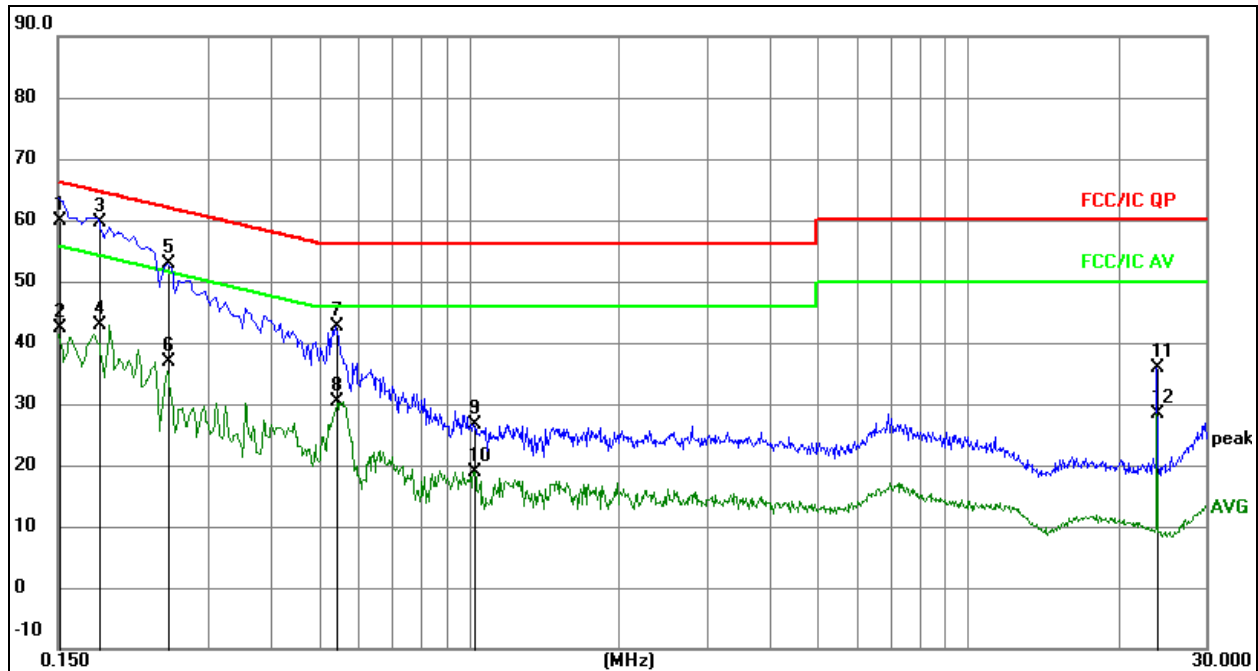
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak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

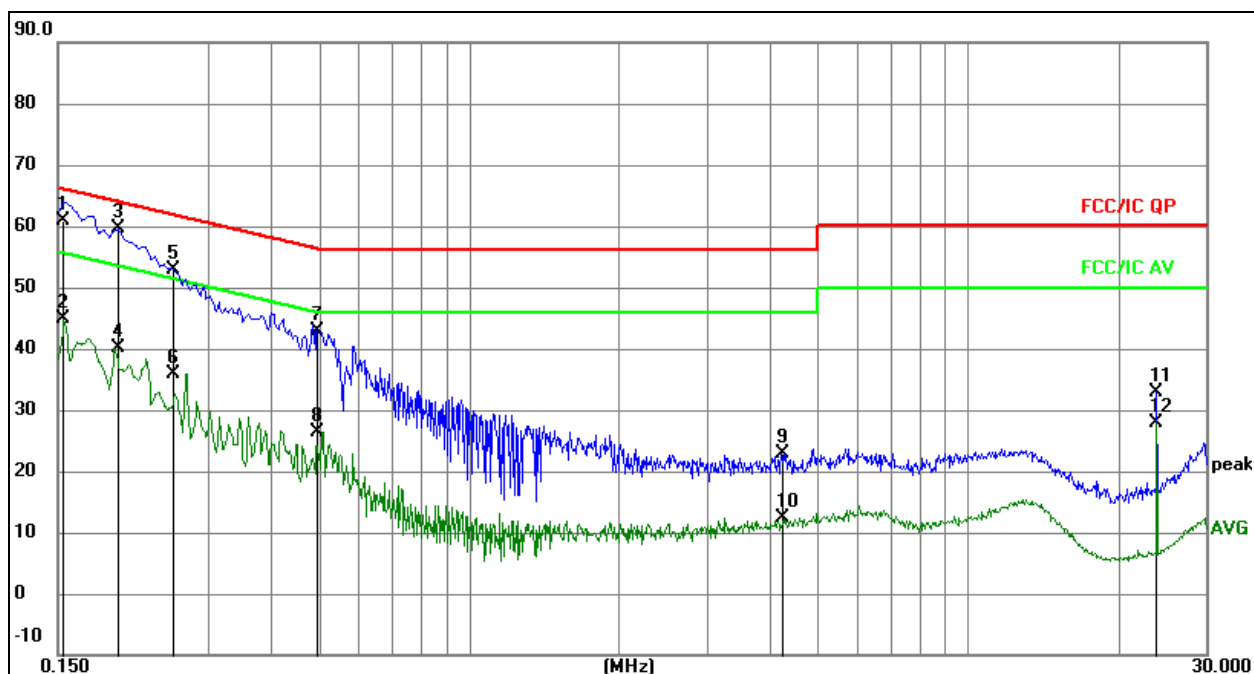


Remark:

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 dB	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1510	40.21	19.73	59.94	65.94	-6.00	QP
2		0.1510	22.61	19.73	42.34	55.94	-13.60	AVG
3	*	0.1815	39.78	19.79	59.57	64.42	-4.85	QP
4		0.1815	23.12	19.79	42.91	54.42	-11.51	AVG
5		0.2490	33.04	19.83	52.87	61.79	-8.92	QP
6		0.2490	17.03	19.83	36.86	51.79	-14.93	AVG
7		0.5415	22.68	19.84	42.52	56.00	-13.48	QP
8		0.5415	10.62	19.84	30.46	46.00	-15.54	AVG
9		1.0230	6.68	19.95	26.63	56.00	-29.37	QP
10		1.0230	-1.04	19.95	18.91	46.00	-27.09	AVG
11		24.0000	15.85	19.99	35.84	60.00	-24.16	QP
12		24.0000	8.51	19.99	28.50	50.00	-21.50	AVG

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



Remark:

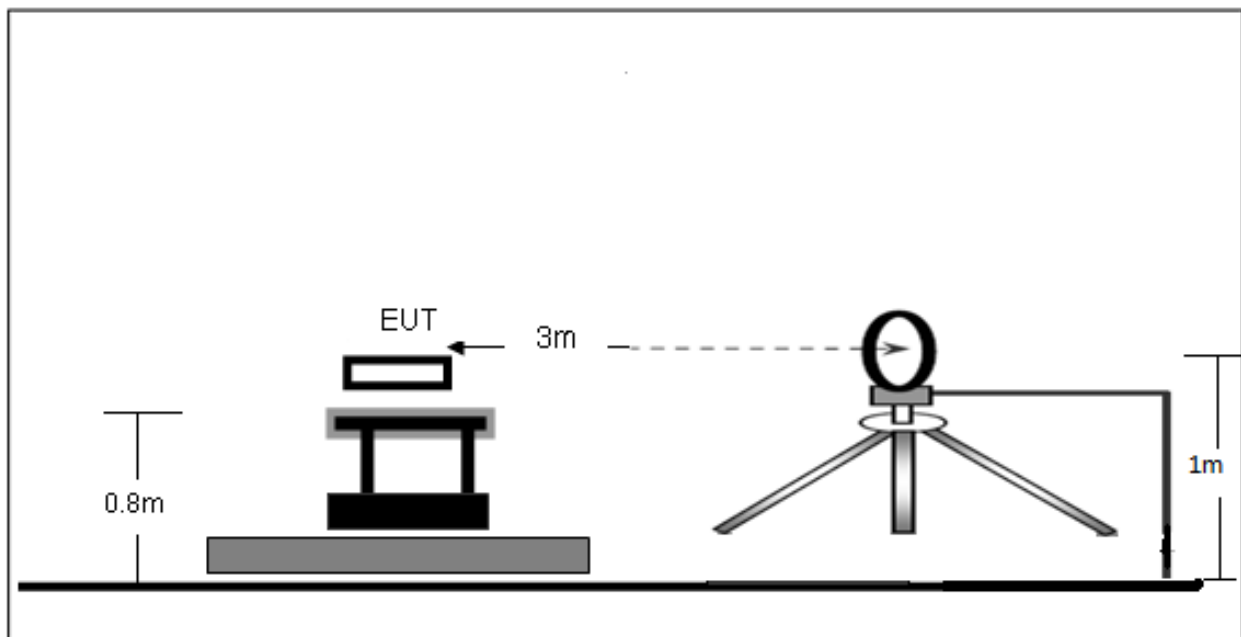
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1539	41.14	19.74	60.88	65.79	-4.91	QP
2		0.1539	25.07	19.74	44.81	55.79	-10.98	AVG
3	*	0.1986	39.68	19.83	59.51	63.67	-4.16	QP
4		0.1986	20.19	19.83	40.02	53.67	-13.65	AVG
5		0.2548	33.11	19.83	52.94	61.60	-8.66	QP
6		0.2548	16.11	19.83	35.94	51.60	-15.66	AVG
7		0.4967	23.03	19.84	42.87	56.06	-13.19	QP
8		0.4967	6.55	19.84	26.39	46.06	-19.67	AVG
9		4.2242	2.32	20.61	22.93	56.00	-33.07	QP
10		4.2242	-8.23	20.61	12.38	46.00	-33.62	AVG
11		23.8878	12.78	19.99	32.77	60.00	-27.23	QP
12		23.8878	7.84	19.99	27.83	50.00	-22.17	AVG

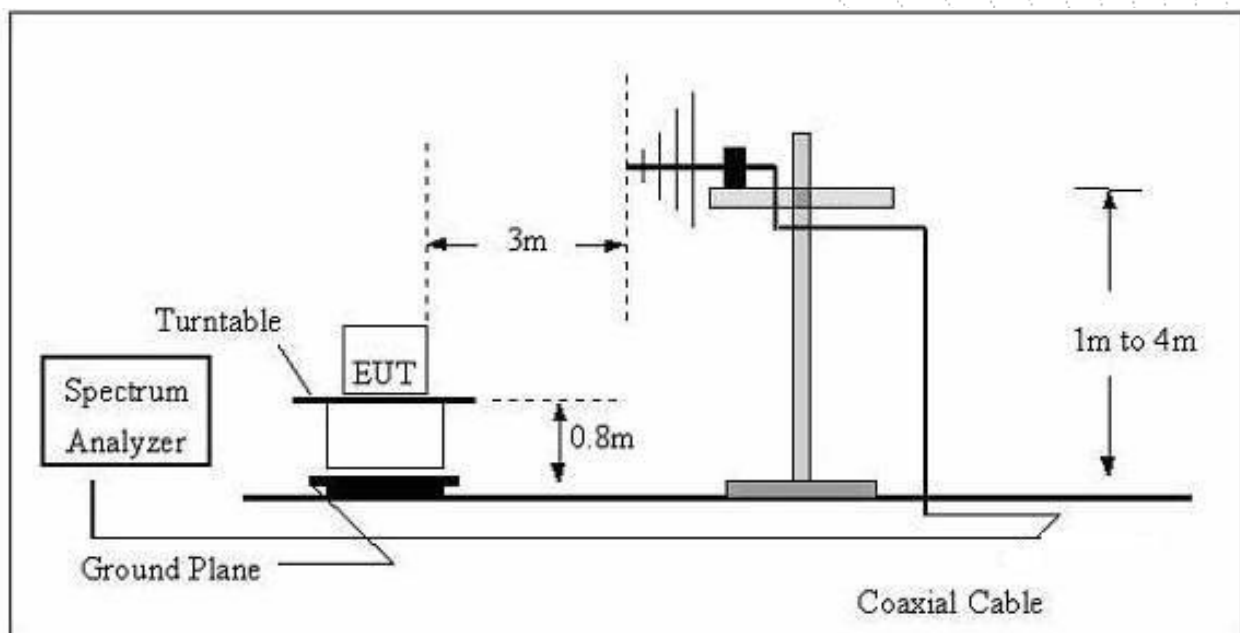
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

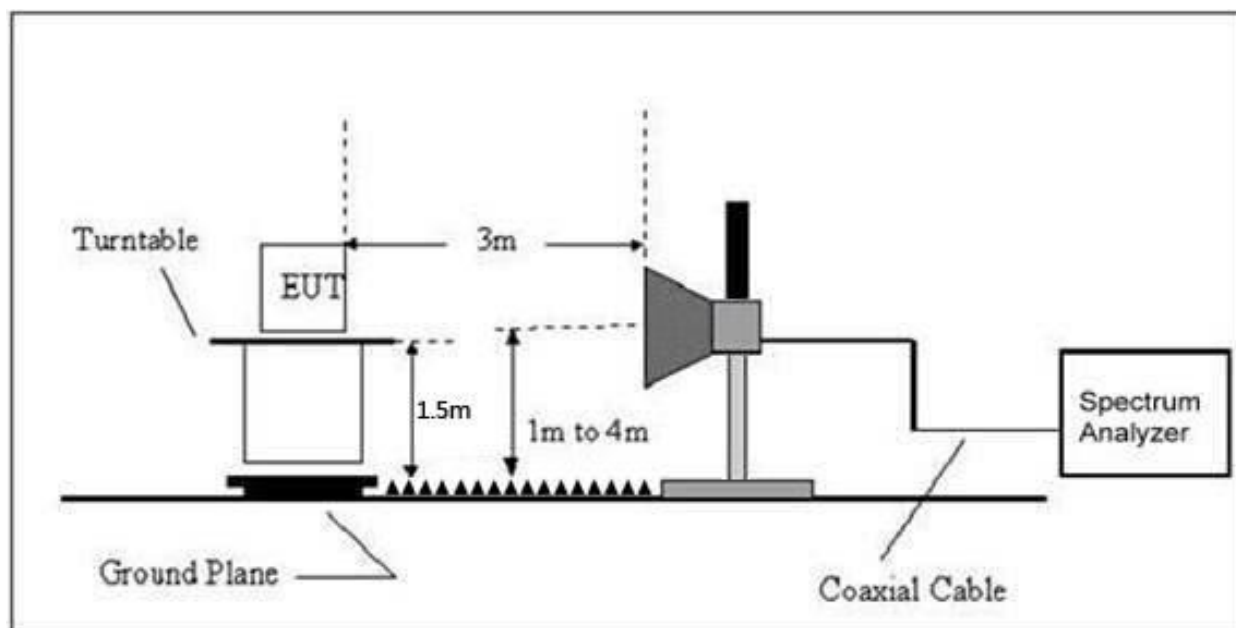
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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

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

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

Note:

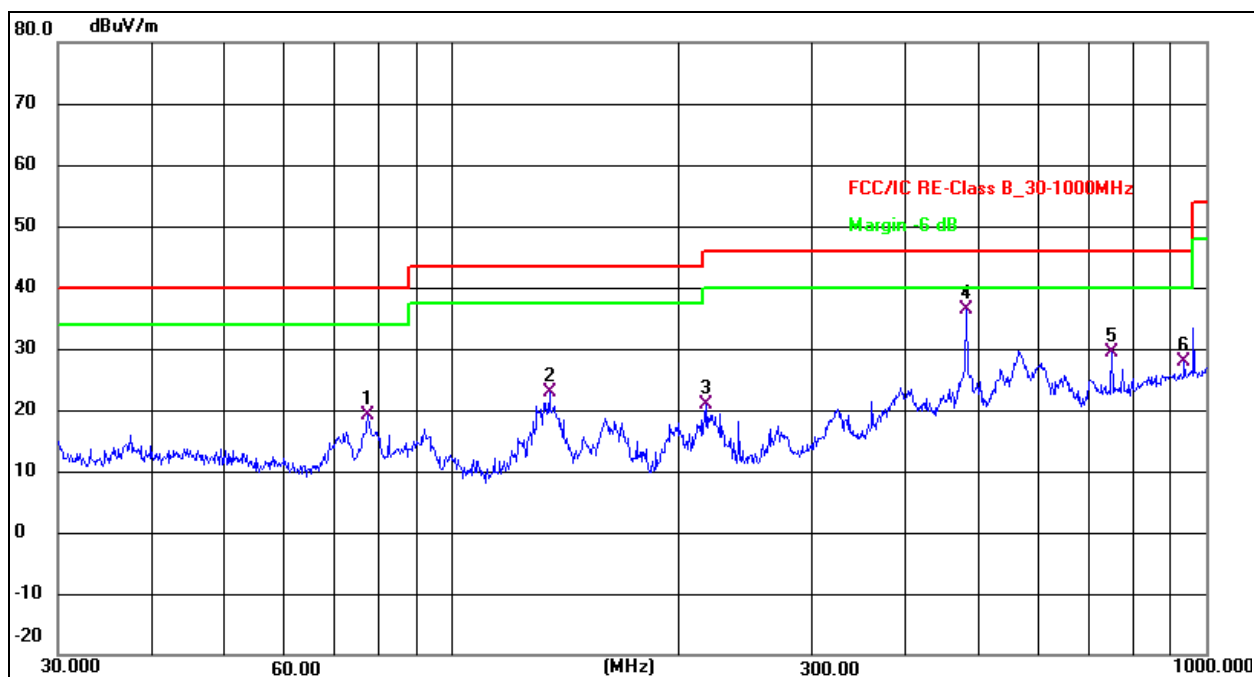
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Between 30MHz – 1GHz

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	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.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	77.3212	37.57	-18.47	19.10	40.00	-20.90	QP
2	134.5592	38.62	-15.67	22.95	43.50	-20.55	QP
3	217.5443	37.22	-16.26	20.96	46.00	-25.04	QP
4 *	480.5276	43.11	-6.69	36.42	46.00	-9.58	QP
5	750.1083	31.60	-2.34	29.26	46.00	-16.74	QP
6	935.5463	27.09	0.75	27.84	46.00	-18.16	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	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.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	73.6170	47.63	-14.17	33.46	40.00	-6.54	QP
2	92.7871	47.94	-15.98	31.96	43.50	-11.54	QP
3	135.5061	46.39	-11.30	35.09	43.50	-8.41	QP
4 *	480.5276	42.39	-2.87	39.52	46.00	-6.48	QP
5	566.6221	39.67	-1.60	38.07	46.00	-7.93	QP
6	750.1082	35.31	1.34	36.65	46.00	-9.35	QP

Test Mode:	TX(5.1G) - 802.11a
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.166	70.53	-20.73	49.80	68.2	-18.40	PK
Vertical	4434.166	59.77	-20.73	39.04	54	-14.96	AV
Vertical	10360.071	64.47	-9.36	55.11	68.2	-13.09	PK
Vertical	10360.071	49.07	-9.36	39.71	54	-14.29	AV
Vertical	15540.195	61.67	-7.84	53.83	74	-20.17	PK
Vertical	15540.195	49.41	-7.84	41.57	54	-12.43	AV
Horizontal	4434.027	73.68	-20.73	52.95	68.2	-15.25	PK
Horizontal	4434.027	59.68	-20.73	38.95	54	-15.05	AV
Horizontal	10360.061	61.80	-9.36	52.44	68.2	-15.76	PK
Horizontal	10360.061	49.85	-9.36	40.49	54	-13.51	AV
Horizontal	15540.086	62.28	-7.84	54.44	74	-19.56	PK
Horizontal	15540.086	49.93	-7.84	42.09	54	-11.91	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.007	71.81	-20.42	51.40	74	-22.60	PK
Vertical	4592.007	59.06	-20.42	38.65	54	-15.35	AV
Vertical	10400.064	64.59	-9.30	55.29	68.2	-12.91	PK
Vertical	10400.064	49.69	-9.30	40.39	54	-13.61	AV
Vertical	15600.161	62.95	-7.82	55.13	74	-18.87	PK
Vertical	15600.161	49.03	-7.82	41.21	54	-12.79	AV
Horizontal	4592.153	73.51	-20.42	53.10	74	-20.90	PK
Horizontal	4592.153	59.94	-20.42	39.52	54	-14.48	AV
Horizontal	10400.167	60.34	-9.30	51.04	68.2	-17.16	PK
Horizontal	10400.167	49.48	-9.30	40.18	54	-13.82	AV
Horizontal	15600.027	64.79	-7.82	56.97	74	-17.03	PK
Horizontal	15600.027	49.29	-7.82	41.47	54	-12.53	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.068	74.19	-20.12	54.07	74	-19.93	PK
Vertical	4739.068	59.11	-20.12	38.99	54	-15.01	AV
Vertical	10480.001	64.94	-9.18	55.76	68.2	-12.44	PK
Vertical	10480.001	49.20	-9.18	40.02	54	-13.98	AV
Vertical	15720.106	62.11	-7.78	54.33	74	-19.67	PK
Vertical	15720.106	49.93	-7.78	42.15	54	-11.85	AV
Horizontal	4739.020	74.83	-20.12	54.70	74	-19.30	PK
Horizontal	4739.020	59.99	-20.12	39.87	54	-14.13	AV
Horizontal	10480.193	64.16	-9.18	54.98	68.2	-13.22	PK
Horizontal	10480.193	49.01	-9.18	39.83	54	-14.17	AV
Horizontal	15720.097	64.77	-7.78	56.99	74	-17.01	PK
Horizontal	15720.097	49.91	-7.78	42.13	54	-11.87	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)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.138	72.07	-20.73	51.34	68.2	-16.86	PK
Vertical	4434.138	59.72	-20.73	38.98	54	-15.02	AV
Vertical	10360.194	63.55	-9.36	54.19	68.2	-14.01	PK
Vertical	10360.194	49.59	-9.36	40.23	54	-13.77	AV
Vertical	15540.101	62.69	-7.84	54.85	74	-19.15	PK
Vertical	15540.101	49.79	-7.84	41.95	54	-12.05	AV
Horizontal	4434.034	73.98	-20.73	53.25	68.2	-14.95	PK
Horizontal	4434.034	59.35	-20.73	38.62	54	-15.38	AV
Horizontal	10360.154	60.99	-9.36	51.63	68.2	-16.57	PK
Horizontal	10360.154	49.73	-9.36	40.37	54	-13.63	AV
Horizontal	15540.185	64.88	-7.84	57.04	74	-16.96	PK
Horizontal	15540.185	49.53	-7.84	41.69	54	-12.31	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.038	72.82	-20.42	52.40	74	-21.60	PK
Vertical	4592.038	59.13	-20.42	38.71	54	-15.29	AV
Vertical	10400.052	62.00	-9.30	52.70	68.2	-15.50	PK
Vertical	10400.052	49.35	-9.30	40.05	54	-13.95	AV
Vertical	15600.053	60.92	-7.82	53.10	74	-20.90	PK
Vertical	15600.053	49.46	-7.82	41.64	54	-12.36	AV
Horizontal	4592.106	73.22	-20.42	52.80	74	-21.20	PK
Horizontal	4592.106	59.36	-20.42	38.95	54	-15.05	AV
Horizontal	10400.101	64.64	-9.30	55.34	68.2	-12.86	PK
Horizontal	10400.101	49.01	-9.30	39.71	54	-14.29	AV
Horizontal	15600.169	61.19	-7.82	53.37	74	-20.63	PK
Horizontal	15600.169	49.29	-7.82	41.47	54	-12.53	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.117	74.32	-20.12	54.20	74	-19.80	PK
Vertical	4739.117	59.68	-20.12	39.56	54	-14.44	AV
Vertical	10480.037	63.05	-9.18	53.87	68.2	-14.33	PK
Vertical	10480.037	49.01	-9.18	39.83	54	-14.17	AV
Vertical	15720.000	64.75	-7.78	56.97	74	-17.03	PK
Vertical	15720.000	49.77	-7.78	41.99	54	-12.01	AV
Horizontal	4739.134	73.78	-20.12	53.66	74	-20.34	PK
Horizontal	4739.134	59.28	-20.12	39.16	54	-14.84	AV
Horizontal	10480.033	64.59	-9.18	55.41	68.2	-12.79	PK
Horizontal	10480.033	49.53	-9.18	40.35	54	-13.65	AV
Horizontal	15720.041	62.13	-7.78	54.35	74	-19.65	PK
Horizontal	15720.041	49.59	-7.78	41.81	54	-12.19	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.

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11n-HT40
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.093	70.56	-20.73	49.83	68.2	-18.37	PK
Vertical	4434.093	59.70	-20.73	38.97	54	-15.03	AV
Vertical	10380.110	64.54	-9.33	55.21	68.2	-12.99	PK
Vertical	10380.110	49.99	-9.33	40.66	54	-13.34	AV
Vertical	15570.012	63.55	-7.83	55.72	74	-18.28	PK
Vertical	15570.012	49.31	-7.83	41.48	54	-12.52	AV
Horizontal	4434.144	74.98	-20.73	54.25	74	-19.75	PK
Horizontal	4434.144	59.12	-20.73	38.38	54	-15.62	AV
Horizontal	10380.162	64.63	-9.33	55.30	68.2	-12.90	PK
Horizontal	10380.162	49.19	-9.33	39.86	54	-14.14	AV
Horizontal	15570.189	62.39	-7.83	54.56	74	-19.44	PK
Horizontal	15570.189	49.55	-7.83	41.72	54	-12.28	AV
High Channel (5230 MHz)-Above 1G							
Vertical	4739.170	70.39	-20.12	50.27	68.2	-17.93	PK
Vertical	4739.170	59.13	-20.12	39.01	54	-14.99	AV
Vertical	10460.034	60.08	-9.21	50.87	68.2	-17.33	PK
Vertical	10460.034	49.61	-9.21	40.40	54	-13.60	AV
Vertical	15690.040	60.87	-7.79	53.08	74	-20.92	PK
Vertical	15690.040	49.57	-7.79	41.78	54	-12.22	AV
Horizontal	4739.165	70.84	-20.12	50.72	68.2	-17.48	PK
Horizontal	4739.165	59.08	-20.12	38.96	54	-15.04	AV
Horizontal	10460.021	63.63	-9.21	54.42	68.2	-13.78	PK
Horizontal	10460.021	49.76	-9.21	40.55	54	-13.45	AV
Horizontal	15690.165	61.81	-7.79	54.02	74	-19.98	PK
Horizontal	15690.165	49.25	-7.79	41.46	54	-12.54	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.124	71.71	-20.73	50.98	68.2	-17.22	PK
Vertical	4434.124	59.43	-20.73	38.70	54	-15.30	AV
Vertical	10360.124	64.18	-9.36	54.82	68.2	-13.38	PK
Vertical	10360.124	49.72	-9.36	40.36	54	-13.64	AV
Vertical	15540.174	60.88	-7.84	53.04	74	-20.96	PK
Vertical	15540.174	49.74	-7.84	41.90	54	-12.10	AV
Horizontal	4434.190	74.25	-20.73	53.52	68.2	-14.68	PK
Horizontal	4434.190	59.87	-20.73	39.14	54	-14.86	AV
Horizontal	10360.066	64.38	-9.36	55.02	68.2	-13.18	PK
Horizontal	10360.066	49.81	-9.36	40.45	54	-13.55	AV
Horizontal	15540.087	61.60	-7.84	53.76	74	-20.24	PK
Horizontal	15540.087	49.08	-7.84	41.24	54	-12.76	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.174	70.35	-20.42	49.94	74	-24.06	PK
Vertical	4592.174	59.20	-20.42	38.78	54	-15.22	AV
Vertical	10400.132	63.51	-9.30	54.21	68.2	-13.99	PK
Vertical	10400.132	49.76	-9.30	40.46	54	-13.54	AV
Vertical	15600.121	62.94	-7.82	55.12	74	-18.88	PK
Vertical	15600.121	49.24	-7.82	41.42	54	-12.58	AV
Horizontal	4592.016	74.30	-20.42	53.88	74	-20.12	PK
Horizontal	4592.016	59.29	-20.42	38.87	54	-15.13	AV
Horizontal	10400.046	62.19	-9.30	52.89	68.2	-15.31	PK
Horizontal	10400.046	49.56	-9.30	40.26	54	-13.74	AV
Horizontal	15600.089	63.97	-7.82	56.15	74	-17.85	PK
Horizontal	15600.089	49.81	-7.82	41.99	54	-12.01	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.115	70.81	-20.12	50.69	74	-23.31	PK
Vertical	4739.115	59.83	-20.12	39.70	54	-14.30	AV
Vertical	10480.144	61.02	-9.18	51.84	68.2	-16.36	PK
Vertical	10480.144	49.34	-9.18	40.16	54	-13.84	AV
Vertical	15720.193	62.25	-7.78	54.47	74	-19.53	PK
Vertical	15720.193	49.17	-7.78	41.39	54	-12.61	AV
Horizontal	4739.146	73.94	-20.12	53.82	74	-20.18	PK
Horizontal	4739.146	59.30	-20.12	39.18	54	-14.82	AV
Horizontal	10480.165	62.01	-9.18	52.83	68.2	-15.37	PK
Horizontal	10480.165	49.03	-9.18	39.85	54	-14.15	AV
Horizontal	15720.156	62.40	-7.78	54.62	74	-19.38	PK
Horizontal	15720.156	49.41	-7.78	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-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.042	70.10	-20.73	49.36	68.2	-18.84	PK
Vertical	4434.042	59.57	-20.73	38.84	54	-15.16	AV
Vertical	10380.015	62.32	-9.33	52.99	68.2	-15.21	PK
Vertical	10380.015	49.62	-9.33	40.29	54	-13.71	AV
Vertical	15570.070	60.03	-7.83	52.20	74	-21.80	PK
Vertical	15570.070	49.77	-7.83	41.94	54	-12.06	AV
Horizontal	4434.183	71.55	-20.73	50.82	74	-23.18	PK
Horizontal	4434.183	59.73	-20.73	39.00	54	-15.00	AV
Horizontal	10380.091	63.34	-9.33	54.01	68.2	-14.19	PK
Horizontal	10380.091	49.61	-9.33	40.28	54	-13.72	AV
Horizontal	15570.037	64.02	-7.83	56.19	74	-17.81	PK
Horizontal	15570.037	49.31	-7.83	41.48	54	-12.52	AV
High Channel (5230 MHz)-Above 1G							
Vertical	4739.040	70.39	-20.12	50.26	68.2	-17.94	PK
Vertical	4739.040	59.31	-20.12	39.19	54	-14.81	AV
Vertical	10460.107	62.45	-9.21	53.24	68.2	-14.96	PK
Vertical	10460.107	49.54	-9.21	40.33	54	-13.67	AV
Vertical	15690.081	62.92	-7.79	55.13	74	-18.87	PK
Vertical	15690.081	49.14	-7.79	41.35	54	-12.65	AV
Horizontal	4739.120	74.84	-20.12	54.72	68.2	-13.48	PK
Horizontal	4739.120	59.16	-20.12	39.04	54	-14.96	AV
Horizontal	10460.010	64.02	-9.21	54.81	68.2	-13.39	PK
Horizontal	10460.010	49.41	-9.21	40.20	54	-13.80	AV
Horizontal	15690.184	60.66	-7.79	52.87	74	-21.13	PK
Horizontal	15690.184	49.55	-7.79	41.76	54	-12.24	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	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5210 MHz)-Above 1G							
Vertical	4434.104	70.43	-20.73	49.70	68.2	-18.50	PK
Vertical	4434.104	59.77	-20.73	39.04	54	-14.96	AV
Vertical	10420.085	61.39	-9.27	52.12	68.2	-16.08	PK
Vertical	10420.085	49.75	-9.27	40.48	54	-13.52	AV
Vertical	15630.119	60.76	-7.81	52.95	74	-21.05	PK
Vertical	15630.119	49.28	-7.81	41.47	54	-12.53	AV
Horizontal	4434.136	74.47	-20.73	53.74	68.2	-14.46	PK
Horizontal	4434.136	59.52	-20.73	38.79	54	-15.21	AV
Horizontal	10420.060	43.25	9.27	52.52	68.2	-15.68	PK
Horizontal	10420.060	29.63	9.27	38.90	54	-15.10	AV
Horizontal	15630.063	63.02	-7.81	55.21	74	-18.79	PK
Horizontal	15630.063	49.37	-7.81	41.56	54	-12.44	AV

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

Test Mode:	TX(5.1G) - 802.11ax-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.180	72.55	-20.73	51.82	68.2	-16.38	PK
Vertical	4434.180	59.65	-20.73	38.92	54	-15.08	AV
Vertical	10360.119	64.69	-9.36	55.33	68.2	-12.87	PK
Vertical	10360.119	49.11	-9.36	39.75	54	-14.25	AV
Vertical	15540.172	61.62	-7.84	53.78	74	-20.22	PK
Vertical	15540.172	49.41	-7.84	41.57	54	-12.43	AV
Horizontal	4434.156	70.17	-20.73	49.43	68.2	-18.77	PK
Horizontal	4434.156	59.39	-20.73	38.66	54	-15.34	AV
Horizontal	10360.156	61.45	-9.36	52.09	68.2	-16.11	PK
Horizontal	10360.156	49.14	-9.36	39.78	54	-14.22	AV
Horizontal	15540.079	61.60	-7.84	53.76	74	-20.24	PK
Horizontal	15540.079	49.55	-7.84	41.71	54	-12.29	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.000	74.14	-20.42	53.72	74	-20.28	PK
Vertical	4592.000	59.34	-20.42	38.92	54	-15.08	AV
Vertical	10400.129	61.20	-9.30	51.90	68.2	-16.30	PK
Vertical	10400.129	49.81	-9.30	40.51	54	-13.49	AV
Vertical	15600.168	62.76	-7.82	54.94	74	-19.06	PK
Vertical	15600.168	49.38	-7.82	41.56	54	-12.44	AV
Horizontal	4592.126	74.91	-20.42	54.49	74	-19.51	PK
Horizontal	4592.126	59.91	-20.42	39.50	54	-14.50	AV
Horizontal	10400.185	60.33	-9.30	51.03	68.2	-17.17	PK
Horizontal	10400.185	49.16	-9.30	39.86	54	-14.14	AV
Horizontal	15600.011	64.05	-7.82	56.23	74	-17.77	PK
Horizontal	15600.011	49.01	-7.82	41.19	54	-12.81	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.182	70.02	-20.12	49.90	74	-24.10	PK
Vertical	4739.182	59.24	-20.12	39.12	54	-14.88	AV
Vertical	10480.193	61.53	-9.18	52.35	68.2	-15.85	PK
Vertical	10480.193	49.32	-9.18	40.14	54	-13.86	AV
Vertical	15720.064	63.74	-7.78	55.96	74	-18.04	PK
Vertical	15720.064	49.88	-7.78	42.10	54	-11.90	AV
Horizontal	4739.111	70.86	-20.12	50.74	74	-23.26	PK
Horizontal	4739.111	59.17	-20.12	39.05	54	-14.95	AV
Horizontal	10480.098	61.45	-9.18	52.27	68.2	-15.93	PK
Horizontal	10480.098	49.74	-9.18	40.56	54	-13.44	AV
Horizontal	15720.111	60.68	-7.78	52.90	74	-21.10	PK
Horizontal	15720.111	49.78	-7.78	42.00	54	-12.00	AV

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

Test Mode:	TX(5.1G) - 802.11ax-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.052	74.35	-20.73	53.61	68.2	-14.59	PK
Vertical	4434.052	59.14	-20.73	38.40	54	-15.60	AV
Vertical	10380.121	62.22	-9.33	52.89	68.2	-15.31	PK
Vertical	10380.121	49.26	-9.33	39.93	54	-14.07	AV
Vertical	15570.013	63.42	-7.83	55.59	74	-18.41	PK
Vertical	15570.013	49.05	-7.83	41.22	54	-12.78	AV
Horizontal	4434.151	71.24	-20.73	50.51	74	-23.49	PK
Horizontal	4434.151	59.08	-20.73	38.35	54	-15.65	AV
Horizontal	10380.156	61.86	-9.33	52.53	68.2	-15.67	PK
Horizontal	10380.156	49.74	-9.33	40.41	54	-13.59	AV
Horizontal	15570.043	64.04	-7.83	56.21	74	-17.79	PK
Horizontal	15570.043	49.07	-7.83	41.24	54	-12.76	AV
High Channel (5230 MHz)-Above 1G							
Vertical	4739.105	71.09	-20.12	50.97	68.2	-17.23	PK
Vertical	4739.105	59.36	-20.12	39.24	54	-14.76	AV
Vertical	10460.044	62.32	-9.21	53.11	68.2	-15.09	PK
Vertical	10460.044	49.24	-9.21	40.03	54	-13.97	AV
Vertical	15690.106	64.28	-7.79	56.49	74	-17.51	PK
Vertical	15690.106	49.97	-7.79	42.18	54	-11.82	AV
Horizontal	4739.166	73.67	-20.12	53.55	68.2	-14.65	PK
Horizontal	4739.166	59.55	-20.12	39.43	54	-14.57	AV
Horizontal	10460.041	60.18	-9.21	50.97	68.2	-17.23	PK
Horizontal	10460.041	49.31	-9.21	40.10	54	-13.90	AV
Horizontal	15690.108	62.86	-7.79	55.07	74	-18.93	PK
Horizontal	15690.108	49.00	-7.79	41.21	54	-12.79	AV

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

Test Mode:	TX(5.1G) - 802.11ax-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5210 MHz)-Above 1G							
Vertical	4434.149	70.18	-20.73	49.45	68.2	-18.75	PK
Vertical	4434.149	59.36	-20.73	38.63	54	-15.37	AV
Vertical	10420.130	62.78	-9.27	53.51	68.2	-14.69	PK
Vertical	10420.130	49.83	-9.27	40.56	54	-13.44	AV
Vertical	15630.128	62.59	-7.81	54.78	74	-19.22	PK
Vertical	15630.128	49.57	-7.81	41.76	54	-12.24	AV
Horizontal	4434.113	70.62	-20.73	49.89	68.2	-18.31	PK
Horizontal	4434.113	59.97	-20.73	39.24	54	-14.76	AV
Horizontal	10420.129	43.32	9.27	52.59	68.2	-15.61	PK
Horizontal	10420.129	29.91	9.27	39.18	54	-14.82	AV
Horizontal	15630.018	63.89	-7.81	56.08	74	-17.92	PK
Horizontal	15630.018	49.14	-7.81	41.33	54	-12.67	AV

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

Test Mode:	TX(5.3G) - 802.11a
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5260 MHz)-Above 1G							
Vertical	4434.060	73.23	-20.73	52.50	68.2	-15.70	PK
Vertical	4434.060	59.72	-20.73	38.99	54	-15.01	AV
Vertical	10520.146	60.93	-9.12	51.81	68.2	-16.39	PK
Vertical	10520.146	49.12	-9.12	40.00	54	-14.00	AV
Vertical	15780.191	60.77	-7.77	53.00	74	-21.00	PK
Vertical	15780.191	49.28	-7.77	41.51	54	-12.49	AV
Horizontal	4434.044	74.38	-20.73	53.65	68.2	-14.55	PK
Horizontal	4434.044	59.29	-20.73	38.56	54	-15.44	AV
Horizontal	10520.160	62.42	-9.12	53.30	68.2	-14.90	PK
Horizontal	10520.160	49.26	-9.12	40.14	54	-13.86	AV
Horizontal	15780.138	61.67	-7.77	53.90	74	-20.10	PK
Horizontal	15780.138	49.79	-7.77	42.02	54	-11.98	AV
middle Channel (5280 MHz)-Above 1G							
Vertical	4592.186	71.54	-20.42	51.12	74	-22.88	PK
Vertical	4592.186	59.58	-20.42	39.16	54	-14.84	AV
Vertical	10560.122	63.81	-9.06	54.75	68.2	-13.45	PK
Vertical	10560.122	49.27	-9.06	40.21	54	-13.79	AV
Vertical	15840.110	63.59	-7.75	55.84	74	-18.16	PK
Vertical	15840.110	49.74	-7.75	41.99	54	-12.01	AV
Horizontal	4592.155	72.66	-20.42	52.24	74	-21.76	PK
Horizontal	4592.155	59.11	-20.42	38.69	54	-15.31	AV
Horizontal	10560.032	60.49	-9.06	51.43	68.2	-16.77	PK
Horizontal	10560.032	49.73	-9.06	40.67	54	-13.33	AV
Horizontal	15840.092	61.50	-7.75	53.75	74	-20.25	PK
Horizontal	15840.092	49.91	-7.75	42.16	54	-11.84	AV
High Channel (5320 MHz)-Above 1G							
Vertical	4739.158	72.66	-20.12	52.54	74	-21.46	PK
Vertical	4739.158	59.07	-20.12	38.95	54	-15.05	AV
Vertical	10640.168	62.43	-8.94	53.49	68.2	-14.71	PK
Vertical	10640.168	49.89	-8.94	40.95	54	-13.05	AV
Vertical	15960.055	62.87	-7.71	55.16	74	-18.84	PK
Vertical	15960.055	49.81	-7.71	42.10	54	-11.90	AV
Horizontal	4739.148	71.39	-20.12	51.27	74	-22.73	PK
Horizontal	4739.148	59.38	-20.12	39.26	54	-14.74	AV
Horizontal	10640.098	64.68	-8.94	55.74	68.2	-12.46	PK
Horizontal	10640.098	49.97	-8.94	41.03	54	-12.97	AV
Horizontal	15960.077	60.68	-7.71	52.97	74	-21.03	PK
Horizontal	15960.077	49.45	-7.71	41.74	54	-12.26	AV

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

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

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

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

The worst case is Antenna A.

Test Mode:	TX(5.3G) - 802.11n-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5260 MHz)-Above 1G							
Vertical	4434.050	73.35	-20.73	52.62	68.2	-15.58	PK
Vertical	4434.050	59.55	-20.73	38.82	54	-15.18	AV
Vertical	10520.038	61.18	-9.12	52.06	68.2	-16.14	PK
Vertical	10520.038	49.29	-9.12	40.17	54	-13.83	AV
Vertical	15780.077	60.59	-7.77	52.82	74	-21.18	PK
Vertical	15780.077	49.09	-7.77	41.32	54	-12.68	AV
Horizontal	4434.189	73.53	-20.73	52.80	68.2	-15.40	PK
Horizontal	4434.189	59.71	-20.73	38.98	54	-15.02	AV
Horizontal	10520.046	64.25	-9.12	55.13	68.2	-13.07	PK
Horizontal	10520.046	49.35	-9.12	40.23	54	-13.77	AV
Horizontal	15780.197	62.90	-7.77	55.13	74	-18.87	PK
Horizontal	15780.197	49.71	-7.77	41.94	54	-12.06	AV
middle Channel (5280 MHz)-Above 1G							
Vertical	4592.052	74.30	-20.42	53.88	74	-20.12	PK
Vertical	4592.052	59.11	-20.42	38.69	54	-15.31	AV
Vertical	10560.145	60.46	-9.06	51.40	68.2	-16.80	PK
Vertical	10560.145	49.81	-9.06	40.75	54	-13.25	AV
Vertical	15840.168	64.90	-7.75	57.15	74	-16.85	PK
Vertical	15840.168	49.01	-7.75	41.26	54	-12.74	AV
Horizontal	4592.124	72.35	-20.42	51.93	74	-22.07	PK
Horizontal	4592.124	59.37	-20.42	38.95	54	-15.05	AV
Horizontal	10560.196	61.70	-9.06	52.64	68.2	-15.56	PK
Horizontal	10560.196	49.16	-9.06	40.10	54	-13.90	AV
Horizontal	15840.195	61.11	-7.75	53.36	74	-20.64	PK
Horizontal	15840.195	49.85	-7.75	42.10	54	-11.90	AV
High Channel (5320 MHz)-Above 1G							
Vertical	4739.184	74.26	-20.12	54.14	74	-19.86	PK
Vertical	4739.184	59.16	-20.12	39.04	54	-14.96	AV
Vertical	10640.174	60.21	-8.94	51.27	68.2	-16.93	PK
Vertical	10640.174	49.77	-8.94	40.83	54	-13.17	AV
Vertical	15960.115	62.60	-7.71	54.89	74	-19.11	PK
Vertical	15960.115	49.30	-7.71	41.59	54	-12.41	AV
Horizontal	4739.199	73.40	-20.12	53.28	74	-20.72	PK
Horizontal	4739.199	59.86	-20.12	39.74	54	-14.26	AV
Horizontal	10640.069	64.90	-8.94	55.96	68.2	-12.24	PK
Horizontal	10640.069	49.55	-8.94	40.61	54	-13.39	AV
Horizontal	15960.181	60.80	-7.71	53.09	74	-20.91	PK
Horizontal	15960.181	49.62	-7.71	41.91	54	-12.09	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(5.3G) - 802.11n-HT40
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5270 MHz)-Above 1G							
Vertical	4434.176	73.78	-20.73	53.05	68.2	-15.15	PK
Vertical	4434.176	59.26	-20.73	38.53	54	-15.47	AV
Vertical	10540.108	60.36	-9.09	51.27	68.2	-16.93	PK
Vertical	10540.108	49.25	-9.09	40.16	54	-13.84	AV
Vertical	15810.119	61.72	-7.76	53.96	74	-20.04	PK
Vertical	15810.119	49.74	-7.76	41.98	54	-12.02	AV
Horizontal	4434.093	73.32	-20.73	52.59	74	-21.41	PK
Horizontal	4434.093	59.06	-20.73	38.33	54	-15.67	AV
Horizontal	10540.053	64.98	-9.09	55.89	68.2	-12.31	PK
Horizontal	10540.053	49.86	-9.09	40.77	54	-13.23	AV
Horizontal	15810.062	62.23	-7.76	54.47	74	-19.53	PK
Horizontal	15810.062	49.06	-7.76	41.30	54	-12.70	AV
High Channel (5310 MHz)-Above 1G							
Vertical	4739.107	74.93	-20.12	54.81	68.2	-13.39	PK
Vertical	4739.107	59.59	-20.12	39.47	54	-14.53	AV
Vertical	10620.061	62.19	-8.97	53.22	68.2	-14.98	PK
Vertical	10620.061	49.04	-8.97	40.07	54	-13.93	AV
Vertical	15930.063	64.60	-7.72	56.88	74	-17.12	PK
Vertical	15930.063	49.52	-7.72	41.80	54	-12.20	AV
Horizontal	4739.007	71.60	-20.12	51.48	68.2	-16.72	PK
Horizontal	4739.007	59.55	-20.12	39.42	54	-14.58	AV
Horizontal	10620.068	60.56	-8.97	51.59	68.2	-16.61	PK
Horizontal	10620.068	49.70	-8.97	40.73	54	-13.27	AV
Horizontal	15930.029	60.53	-7.72	52.81	74	-21.19	PK
Horizontal	15930.029	49.17	-7.72	41.45	54	-12.55	AV

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

Test Mode:	TX(5.3G) - 802.11ac-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5260 MHz)-Above 1G							
Vertical	4434.136	71.10	-20.73	50.37	68.2	-17.83	PK
Vertical	4434.136	59.81	-20.73	39.08	54	-14.92	AV
Vertical	10520.094	64.13	-9.12	55.01	68.2	-13.19	PK
Vertical	10520.094	49.63	-9.12	40.51	54	-13.49	AV
Vertical	15780.003	62.06	-7.77	54.29	74	-19.71	PK
Vertical	15780.003	49.61	-7.77	41.84	54	-12.16	AV
Horizontal	4434.019	72.36	-20.73	51.63	68.2	-16.57	PK
Horizontal	4434.019	59.07	-20.73	38.34	54	-15.66	AV
Horizontal	10520.105	61.80	-9.12	52.68	68.2	-15.52	PK
Horizontal	10520.105	49.94	-9.12	40.82	54	-13.18	AV
Horizontal	15780.179	61.06	-7.77	53.29	74	-20.71	PK
Horizontal	15780.179	49.40	-7.77	41.63	54	-12.37	AV
middle Channel (5280 MHz)-Above 1G							
Vertical	4592.071	70.16	-20.42	49.74	74	-24.26	PK
Vertical	4592.071	59.53	-20.42	39.11	54	-14.89	AV
Vertical	10560.064	64.92	-9.06	55.86	68.2	-12.34	PK
Vertical	10560.064	49.35	-9.06	40.29	54	-13.71	AV
Vertical	15840.186	60.51	-7.75	52.76	74	-21.24	PK
Vertical	15840.186	49.90	-7.75	42.15	54	-11.85	AV
Horizontal	4592.166	70.62	-20.42	50.21	74	-23.79	PK
Horizontal	4592.166	59.83	-20.42	39.42	54	-14.58	AV
Horizontal	10560.200	62.01	-9.06	52.95	68.2	-15.25	PK
Horizontal	10560.200	49.78	-9.06	40.72	54	-13.28	AV
Horizontal	15840.161	60.92	-7.75	53.17	74	-20.83	PK
Horizontal	15840.161	49.75	-7.75	42.00	54	-12.00	AV
High Channel (5320 MHz)-Above 1G							
Vertical	4739.036	71.09	-20.12	50.97	74	-23.03	PK
Vertical	4739.036	59.87	-20.12	39.75	54	-14.25	AV
Vertical	10640.150	60.65	-8.94	51.71	68.2	-16.49	PK
Vertical	10640.150	49.78	-8.94	40.84	54	-13.16	AV
Vertical	15960.082	62.35	-7.71	54.64	74	-19.36	PK
Vertical	15960.082	49.80	-7.71	42.09	54	-11.91	AV
Horizontal	4739.074	70.68	-20.12	50.56	74	-23.44	PK
Horizontal	4739.074	59.54	-20.12	39.42	54	-14.58	AV
Horizontal	10640.136	63.87	-8.94	54.93	68.2	-13.27	PK
Horizontal	10640.136	49.14	-8.94	40.20	54	-13.80	AV
Horizontal	15960.085	63.63	-7.71	55.92	74	-18.08	PK
Horizontal	15960.085	49.63	-7.71	41.92	54	-12.08	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(5.3G) - 802.11ac-HT40
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5270 MHz)-Above 1G							
Vertical	4434.067	72.16	-20.73	51.43	68.2	-16.77	PK
Vertical	4434.067	59.35	-20.73	38.61	54	-15.39	AV
Vertical	10540.035	60.07	-9.09	50.98	68.2	-17.22	PK
Vertical	10540.035	49.45	-9.09	40.36	54	-13.64	AV
Vertical	15810.058	64.64	-7.76	56.88	74	-17.12	PK
Vertical	15810.058	49.30	-7.76	41.54	54	-12.46	AV
Horizontal	4434.140	71.05	-20.73	50.31	74	-23.69	PK
Horizontal	4434.140	59.55	-20.73	38.82	54	-15.18	AV
Horizontal	10540.027	63.75	-9.09	54.66	68.2	-13.54	PK
Horizontal	10540.027	49.23	-9.09	40.14	54	-13.86	AV
Horizontal	15810.104	64.63	-7.76	56.87	74	-17.13	PK
Horizontal	15810.104	49.76	-7.76	42.00	54	-12.00	AV
High Channel (5310 MHz)-Above 1G							
Vertical	4739.082	73.33	-20.12	53.20	68.2	-15.00	PK
Vertical	4739.082	59.15	-20.12	39.02	54	-14.98	AV
Vertical	10620.156	60.40	-8.97	51.43	68.2	-16.77	PK
Vertical	10620.156	49.07	-8.97	40.10	54	-13.90	AV
Vertical	15930.108	64.26	-7.72	56.54	74	-17.46	PK
Vertical	15930.108	49.70	-7.72	41.98	54	-12.02	AV
Horizontal	4739.123	71.14	-20.12	51.02	68.2	-17.18	PK
Horizontal	4739.123	59.08	-20.12	38.96	54	-15.04	AV
Horizontal	10620.054	64.57	-8.97	55.60	68.2	-12.60	PK
Horizontal	10620.054	49.69	-8.97	40.72	54	-13.28	AV
Horizontal	15930.015	61.14	-7.72	53.42	74	-20.58	PK
Horizontal	15930.015	49.73	-7.72	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(5.3G) - 802.11ac-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5290 MHz)-Above 1G							
Vertical	4434.113	71.48	-20.73	50.75	68.2	-17.45	PK
Vertical	4434.113	59.16	-20.73	38.42	54	-15.58	AV
Vertical	10580.124	61.38	-9.03	52.35	68.2	-15.85	PK
Vertical	10580.124	49.61	-9.03	40.58	54	-13.42	AV
Vertical	15870.014	63.65	-7.74	55.91	74	-18.09	PK
Vertical	15870.014	49.79	-7.74	42.05	54	-11.95	AV
Horizontal	4434.158	72.11	-20.73	51.38	68.2	-16.82	PK
Horizontal	4434.158	59.09	-20.73	38.36	54	-15.64	AV
Horizontal	10580.080	64.49	-9.03	55.46	68.2	-12.74	PK
Horizontal	10580.080	49.43	-9.03	40.40	54	-13.60	AV
Horizontal	15870.092	64.86	-7.74	57.12	74	-16.88	PK
Horizontal	15870.092	49.90	-7.74	42.16	54	-11.84	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.3G) - 802.11ax-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5260 MHz)-Above 1G							
Vertical	4434.180	72.57	-20.73	51.84	68.2	-16.36	PK
Vertical	4434.180	59.45	-20.73	38.72	54	-15.28	AV
Vertical	10520.018	60.69	-9.12	51.57	68.2	-16.63	PK
Vertical	10520.018	49.47	-9.12	40.35	54	-13.65	AV
Vertical	15780.019	61.59	-7.77	53.82	74	-20.18	PK
Vertical	15780.019	49.29	-7.77	41.52	54	-12.48	AV
Horizontal	4434.135	72.19	-20.73	51.46	68.2	-16.74	PK
Horizontal	4434.135	59.32	-20.73	38.59	54	-15.41	AV
Horizontal	10520.115	62.12	-9.12	53.00	68.2	-15.20	PK
Horizontal	10520.115	49.34	-9.12	40.22	54	-13.78	AV
Horizontal	15780.193	61.40	-7.77	53.63	74	-20.37	PK
Horizontal	15780.193	49.18	-7.77	41.41	54	-12.59	AV
middle Channel (5280 MHz)-Above 1G							
Vertical	4592.067	70.24	-20.42	49.82	74	-24.18	PK
Vertical	4592.067	59.25	-20.42	38.83	54	-15.17	AV
Vertical	10560.000	61.00	-9.06	51.94	68.2	-16.26	PK
Vertical	10560.000	49.41	-9.06	40.35	54	-13.65	AV
Vertical	15840.149	61.68	-7.75	53.93	74	-20.07	PK
Vertical	15840.149	49.60	-7.75	41.85	54	-12.15	AV
Horizontal	4592.120	70.23	-20.42	49.81	74	-24.19	PK
Horizontal	4592.120	59.62	-20.42	39.21	54	-14.79	AV
Horizontal	10560.120	62.59	-9.06	53.53	68.2	-14.67	PK
Horizontal	10560.120	49.75	-9.06	40.69	54	-13.31	AV
Horizontal	15840.035	64.21	-7.75	56.46	74	-17.54	PK
Horizontal	15840.035	49.89	-7.75	42.14	54	-11.86	AV
High Channel (5320 MHz)-Above 1G							
Vertical	4739.182	72.87	-20.12	52.75	74	-21.25	PK
Vertical	4739.182	59.86	-20.12	39.74	54	-14.26	AV
Vertical	10640.175	63.91	-8.94	54.97	68.2	-13.23	PK
Vertical	10640.175	49.01	-8.94	40.07	54	-13.93	AV
Vertical	15960.012	63.96	-7.71	56.25	74	-17.75	PK
Vertical	15960.012	49.22	-7.71	41.51	54	-12.49	AV
Horizontal	4739.157	72.56	-20.12	52.44	74	-21.56	PK
Horizontal	4739.157	59.86	-20.12	39.74	54	-14.26	AV
Horizontal	10640.168	60.37	-8.94	51.43	68.2	-16.77	PK
Horizontal	10640.168	49.55	-8.94	40.61	54	-13.39	AV
Horizontal	15960.105	63.16	-7.71	55.45	74	-18.55	PK
Horizontal	15960.105	49.82	-7.71	42.11	54	-11.89	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(5.3G) - 802.11ax-HT40
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5270 MHz)-Above 1G							
Vertical	4434.073	74.83	-20.73	54.10	68.2	-14.10	PK
Vertical	4434.073	59.07	-20.73	38.34	54	-15.66	AV
Vertical	10540.157	61.68	-9.09	52.59	68.2	-15.61	PK
Vertical	10540.157	49.40	-9.09	40.31	54	-13.69	AV
Vertical	15810.170	61.79	-7.76	54.03	74	-19.97	PK
Vertical	15810.170	49.37	-7.76	41.61	54	-12.39	AV
Horizontal	4434.183	74.22	-20.73	53.49	74	-20.51	PK
Horizontal	4434.183	59.43	-20.73	38.70	54	-15.30	AV
Horizontal	10540.069	61.73	-9.09	52.64	68.2	-15.56	PK
Horizontal	10540.069	49.58	-9.09	40.49	54	-13.51	AV
Horizontal	15810.026	60.11	-7.76	52.35	74	-21.65	PK
Horizontal	15810.026	49.81	-7.76	42.05	54	-11.95	AV
High Channel (5310 MHz)-Above 1G							
Vertical	4739.101	71.36	-20.12	51.23	68.2	-16.97	PK
Vertical	4739.101	59.20	-20.12	39.08	54	-14.92	AV
Vertical	10620.019	61.35	-8.97	52.38	68.2	-15.82	PK
Vertical	10620.019	49.35	-8.97	40.38	54	-13.62	AV
Vertical	15930.022	62.51	-7.72	54.79	74	-19.21	PK
Vertical	15930.022	49.39	-7.72	41.67	54	-12.33	AV
Horizontal	4739.076	70.51	-20.12	50.39	68.2	-17.81	PK
Horizontal	4739.076	59.55	-20.12	39.43	54	-14.57	AV
Horizontal	10620.129	60.57	-8.97	51.60	68.2	-16.60	PK
Horizontal	10620.129	49.94	-8.97	40.97	54	-13.03	AV
Horizontal	15930.189	63.31	-7.72	55.59	74	-18.41	PK
Horizontal	15930.189	49.97	-7.72	42.25	54	-11.75	AV

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

Test Mode:	TX(5.3G) - 802.11ax-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5290 MHz)-Above 1G							
Vertical	4434.091	72.38	-20.73	51.64	68.2	-16.56	PK
Vertical	4434.091	59.95	-20.73	39.22	54	-14.78	AV
Vertical	10580.127	60.04	-9.03	51.01	68.2	-17.19	PK
Vertical	10580.127	49.06	-9.03	40.03	54	-13.97	AV
Vertical	15870.106	64.45	-7.74	56.71	74	-17.29	PK
Vertical	15870.106	49.19	-7.74	41.45	54	-12.55	AV
Horizontal	4434.018	74.33	-20.73	53.60	68.2	-14.60	PK
Horizontal	4434.018	59.79	-20.73	39.05	54	-14.95	AV
Horizontal	10580.134	63.88	-9.03	54.85	68.2	-13.35	PK
Horizontal	10580.134	49.16	-9.03	40.13	54	-13.87	AV
Horizontal	15870.162	60.33	-7.74	52.59	74	-21.41	PK
Horizontal	15870.162	49.43	-7.74	41.69	54	-12.31	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(5.6G) - 802.11a
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G							
Vertical	4434.164	70.68	-20.73	49.95	68.2	-18.25	PK
Vertical	4434.164	59.97	-20.73	39.24	54	-14.76	AV
Vertical	11000.083	62.60	-8.40	54.20	68.2	-14.00	PK
Vertical	11000.083	49.19	-8.40	40.79	54	-13.21	AV
Vertical	16500.052	62.12	-6.09	56.03	74	-17.97	PK
Vertical	16500.052	49.81	-6.09	43.72	54	-10.28	AV
Horizontal	4434.161	72.95	-20.73	52.22	68.2	-15.98	PK
Horizontal	4434.161	59.16	-20.73	38.43	54	-15.57	AV
Horizontal	11000.059	64.26	-8.40	55.86	68.2	-12.34	PK
Horizontal	11000.059	49.79	-8.40	41.39	54	-12.61	AV
Horizontal	16500.188	61.73	-6.09	55.64	74	-18.36	PK
Horizontal	16500.188	49.78	-6.09	43.69	54	-10.31	AV
middle Channel (5580 MHz)-Above 1G							
Vertical	4592.161	74.36	-20.42	53.94	74	-20.06	PK
Vertical	4592.161	59.17	-20.42	38.76	54	-15.24	AV
Vertical	11160.113	62.26	-8.53	53.73	68.2	-14.47	PK
Vertical	11160.113	49.09	-8.53	40.56	54	-13.44	AV
Vertical	16740.151	64.73	-5.31	59.42	74	-14.58	PK
Vertical	16740.151	49.59	-5.31	44.28	54	-9.72	AV
Horizontal	4592.028	70.37	-20.42	49.95	74	-24.05	PK
Horizontal	4592.028	59.61	-20.42	39.19	54	-14.81	AV
Horizontal	11160.057	63.42	-8.53	54.89	68.2	-13.31	PK
Horizontal	11160.057	49.06	-8.53	40.53	54	-13.47	AV
Horizontal	16740.193	61.83	-5.31	56.52	74	-17.48	PK
Horizontal	16740.193	49.37	-5.31	44.06	54	-9.94	AV
High Channel (5700 MHz)-Above 1G							
Vertical	4739.158	72.26	-20.12	52.13	74	-21.87	PK
Vertical	4739.158	59.90	-20.12	39.78	54	-14.22	AV
Vertical	11400.157	61.55	-8.72	52.83	68.2	-15.37	PK
Vertical	11400.157	49.98	-8.72	41.26	54	-12.74	AV
Vertical	17100.159	62.39	-3.92	58.47	74	-15.53	PK
Vertical	17100.159	49.20	-3.92	45.28	54	-8.72	AV
Horizontal	4739.018	72.91	-20.12	52.79	74	-21.21	PK
Horizontal	4739.018	59.22	-20.12	39.10	54	-14.90	AV
Horizontal	11400.137	60.92	-8.72	52.20	68.2	-16.00	PK
Horizontal	11400.137	49.61	-8.72	40.89	54	-13.11	AV
Horizontal	17100.035	61.74	-3.92	57.82	74	-16.18	PK
Horizontal	17100.035	49.98	-3.92	46.06	54	-7.94	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(5.6G) - 802.11n-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G							
Vertical	4434.055	71.15	-20.73	50.42	68.2	-17.78	PK
Vertical	4434.055	59.04	-20.73	38.30	54	-15.70	AV
Vertical	11000.003	62.42	-8.40	54.02	68.2	-14.18	PK
Vertical	11000.003	49.46	-8.40	41.06	54	-12.94	AV
Vertical	16500.063	61.41	-6.09	55.32	74	-18.68	PK
Vertical	16500.063	49.91	-6.09	43.82	54	-10.18	AV
Horizontal	4434.166	71.11	-20.73	50.38	68.2	-17.82	PK
Horizontal	4434.166	59.42	-20.73	38.68	54	-15.32	AV
Horizontal	11000.158	62.93	-8.40	54.53	68.2	-13.67	PK
Horizontal	11000.158	49.10	-8.40	40.70	54	-13.30	AV
Horizontal	16500.170	63.89	-6.09	57.80	74	-16.20	PK
Horizontal	16500.170	49.67	-6.09	43.58	54	-10.42	AV
middle Channel (5580 MHz)-Above 1G							
Vertical	4592.190	70.71	-20.42	50.29	74	-23.71	PK
Vertical	4592.190	59.29	-20.42	38.87	54	-15.13	AV
Vertical	11160.159	62.55	-8.53	54.02	68.2	-14.18	PK
Vertical	11160.159	49.42	-8.53	40.89	54	-13.11	AV
Vertical	16740.030	60.66	-5.31	55.35	74	-18.65	PK
Vertical	16740.030	49.90	-5.31	44.59	54	-9.41	AV
Horizontal	4592.156	72.64	-20.42	52.23	74	-21.77	PK
Horizontal	4592.156	59.81	-20.42	39.39	54	-14.61	AV
Horizontal	11160.155	64.95	-8.53	56.42	68.2	-11.78	PK
Horizontal	11160.155	49.99	-8.53	41.46	54	-12.54	AV
Horizontal	16740.037	64.59	-5.31	59.28	74	-14.72	PK
Horizontal	16740.037	49.27	-5.31	43.96	54	-10.04	AV
High Channel (5700 MHz)-Above 1G							
Vertical	4739.163	72.73	-20.12	52.61	74	-21.39	PK
Vertical	4739.163	59.81	-20.12	39.69	54	-14.31	AV
Vertical	11400.198	60.81	-8.72	52.09	68.2	-16.11	PK
Vertical	11400.198	49.29	-8.72	40.57	54	-13.43	AV
Vertical	17100.129	63.74	-3.92	59.82	74	-14.18	PK
Vertical	17100.129	49.67	-3.92	45.75	54	-8.25	AV
Horizontal	4739.036	70.61	-20.12	50.49	74	-23.51	PK
Horizontal	4739.036	59.59	-20.12	39.47	54	-14.53	AV
Horizontal	11400.172	64.13	-8.72	55.41	68.2	-12.79	PK
Horizontal	11400.172	49.63	-8.72	40.91	54	-13.09	AV
Horizontal	17100.024	61.30	-3.92	57.38	74	-16.62	PK
Horizontal	17100.024	49.49	-3.92	45.57	54	-8.43	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(5.6G) - 802.11n-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5510 MHz)-Above 1G							
Vertical	4434.001	62.90	-20.73	42.16	68.2	-26.04	PK
Vertical	4434.001	43.78	-20.73	23.05	54	-30.95	AV
Vertical	11020.105	63.46	-8.42	55.04	68.2	-13.16	PK
Vertical	11020.105	43.40	-8.42	34.98	54	-19.02	AV
Vertical	16530.152	63.81	-5.99	57.82	74	-16.18	PK
Vertical	16530.152	43.28	-5.99	37.29	54	-16.71	AV
Horizontal	4434.056	63.39	-20.73	42.66	74	-31.34	PK
Horizontal	4434.056	43.90	-20.73	23.17	54	-30.83	AV
Horizontal	11020.067	51.89	-8.42	43.47	68.2	-24.73	PK
Horizontal	11020.067	43.27	-8.42	34.85	54	-19.15	AV
Horizontal	16530.199	50.19	-5.99	44.20	74	-29.80	PK
Horizontal	16530.199	41.16	-5.99	35.17	54	-18.83	AV
middle Channel (5550 MHz)-Above 1G							
Vertical	4592.183	63.13	-20.42	42.72	74	-31.28	PK
Vertical	4592.183	43.45	-20.42	23.04	54	-30.96	AV
Vertical	11100.153	61.83	-8.40	53.43	68.2	-14.77	PK
Vertical	11100.153	44.00	-8.40	35.60	54	-18.40	AV
Vertical	16650.024	60.43	-5.60	54.83	74	-19.17	PK
Vertical	16650.024	43.29	-5.60	37.69	54	-16.31	AV
Horizontal	4592.022	61.29	-20.42	40.87	74	-33.13	PK
Horizontal	4592.022	43.27	-20.42	22.85	54	-31.15	AV
Horizontal	11100.087	51.58	-8.40	43.18	68.2	-25.02	PK
Horizontal	11100.087	43.34	-8.40	34.94	54	-19.06	AV
Horizontal	16650.059	52.26	-5.60	46.66	74	-27.34	PK
Horizontal	16650.059	43.98	-5.60	38.38	54	-15.62	AV
High Channel (5670 MHz)-Above 1G							
Vertical	4739.058	61.26	-20.12	41.14	68.2	-27.06	PK
Vertical	4739.058	43.99	-20.12	23.87	54	-30.13	AV
Vertical	11340.011	63.53	-8.67	54.86	68.2	-13.34	PK
Vertical	11340.011	43.83	-8.67	35.16	54	-18.84	AV
Vertical	17010.140	60.83	-4.41	56.42	74	-17.58	PK
Vertical	17010.140	43.50	-4.41	39.09	54	-14.91	AV
Horizontal	4739.194	60.69	-20.12	40.57	68.2	-27.63	PK
Horizontal	4739.194	43.60	-20.12	23.48	54	-30.52	AV
Horizontal	11340.179	52.64	-8.67	43.97	68.2	-24.23	PK
Horizontal	11340.179	43.30	-8.67	34.63	54	-19.37	AV
Horizontal	17010.018	52.17	-4.41	47.76	74	-26.24	PK
Horizontal	17010.018	43.99	-4.41	39.58	54	-14.42	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.6G) - 802.11ac-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G							
Vertical	4434.172	74.01	-20.73	53.28	68.2	-14.92	PK
Vertical	4434.172	59.01	-20.73	38.27	54	-15.73	AV
Vertical	11000.103	61.08	-8.40	52.68	68.2	-15.52	PK
Vertical	11000.103	49.87	-8.40	41.47	54	-12.53	AV
Vertical	16500.160	61.63	-6.09	55.54	74	-18.46	PK
Vertical	16500.160	49.09	-6.09	43.00	54	-11.00	AV
Horizontal	4434.085	72.39	-20.73	51.66	68.2	-16.54	PK
Horizontal	4434.085	59.02	-20.73	38.28	54	-15.72	AV
Horizontal	11000.174	62.86	-8.40	54.46	68.2	-13.74	PK
Horizontal	11000.174	49.34	-8.40	40.94	54	-13.06	AV
Horizontal	16500.165	60.23	-6.09	54.14	74	-19.86	PK
Horizontal	16500.165	49.73	-6.09	43.64	54	-10.36	AV
middle Channel (5580 MHz)-Above 1G							
Vertical	4592.155	74.42	-20.42	54.01	74	-19.99	PK
Vertical	4592.155	59.25	-20.42	38.84	54	-15.16	AV
Vertical	11160.177	62.13	-8.53	53.60	68.2	-14.60	PK
Vertical	11160.177	49.97	-8.53	41.44	54	-12.56	AV
Vertical	16740.196	64.23	-5.31	58.92	74	-15.08	PK
Vertical	16740.196	49.99	-5.31	44.68	54	-9.32	AV
Horizontal	4592.085	71.46	-20.42	51.05	74	-22.95	PK
Horizontal	4592.085	59.05	-20.42	38.63	54	-15.37	AV
Horizontal	11160.156	61.76	-8.53	53.23	68.2	-14.97	PK
Horizontal	11160.156	49.13	-8.53	40.60	54	-13.40	AV
Horizontal	16740.040	61.41	-5.31	56.10	74	-17.90	PK
Horizontal	16740.040	49.82	-5.31	44.51	54	-9.49	AV
High Channel (5700 MHz)-Above 1G							
Vertical	4739.001	74.17	-20.12	54.04	74	-19.96	PK
Vertical	4739.001	59.34	-20.12	39.22	54	-14.78	AV
Vertical	11400.121	62.88	-8.72	54.16	68.2	-14.04	PK
Vertical	11400.121	49.11	-8.72	40.39	54	-13.61	AV
Vertical	17100.172	64.45	-3.92	60.53	74	-13.47	PK
Vertical	17100.172	49.88	-3.92	45.96	54	-8.04	AV
Horizontal	4739.130	73.64	-20.12	53.52	74	-20.48	PK
Horizontal	4739.130	59.48	-20.12	39.35	54	-14.65	AV
Horizontal	11400.077	63.33	-8.72	54.61	68.2	-13.59	PK
Horizontal	11400.077	49.16	-8.72	40.44	54	-13.56	AV
Horizontal	17100.055	63.51	-3.92	59.59	74	-14.41	PK
Horizontal	17100.055	49.61	-3.92	45.69	54	-8.31	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(5.6G) - 802.11ac-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5510 MHz)-Above 1G							
Vertical	4434.008	64.05	-20.73	43.32	68.2	-24.88	PK
Vertical	4434.008	43.45	-20.73	22.72	54	-31.28	AV
Vertical	11020.049	60.07	-8.42	51.65	68.2	-16.55	PK
Vertical	11020.049	43.25	-8.42	34.83	54	-19.17	AV
Vertical	16530.113	60.53	-5.99	54.54	74	-19.46	PK
Vertical	16530.113	43.74	-5.99	37.75	54	-16.25	AV
Horizontal	4434.091	63.90	-20.73	43.17	74	-30.83	PK
Horizontal	4434.091	43.74	-20.73	23.00	54	-31.00	AV
Horizontal	11020.029	52.48	-8.42	44.06	68.2	-24.14	PK
Horizontal	11020.029	41.15	-8.42	32.73	54	-21.27	AV
Horizontal	16530.135	52.63	-5.99	46.64	74	-27.36	PK
Horizontal	16530.135	42.84	-5.99	36.85	54	-17.15	AV
middle Channel (5550 MHz)-Above 1G							
Vertical	4592.003	60.18	-20.42	39.77	74	-34.23	PK
Vertical	4592.003	43.12	-20.42	22.70	54	-31.30	AV
Vertical	11100.126	62.08	-8.40	53.68	68.2	-14.52	PK
Vertical	11100.126	44.00	-8.40	35.60	54	-18.40	AV
Vertical	16650.081	64.92	-5.60	59.32	74	-14.68	PK
Vertical	16650.081	43.17	-5.60	37.57	54	-16.43	AV
Horizontal	4592.124	62.45	-20.42	42.04	74	-31.96	PK
Horizontal	4592.124	43.48	-20.42	23.06	54	-30.94	AV
Horizontal	11100.177	52.96	-8.40	44.56	68.2	-23.64	PK
Horizontal	11100.177	41.63	-8.40	33.23	54	-20.77	AV
Horizontal	16650.073	51.00	-5.60	45.40	74	-28.60	PK
Horizontal	16650.073	42.97	-5.60	37.37	54	-16.63	AV
High Channel (5670 MHz)-Above 1G							
Vertical	4739.095	64.39	-20.12	44.27	68.2	-23.93	PK
Vertical	4739.095	43.94	-20.12	23.82	54	-30.18	AV
Vertical	11340.160	60.21	-8.67	51.54	68.2	-16.66	PK
Vertical	11340.160	43.99	-8.67	35.32	54	-18.68	AV
Vertical	17010.074	61.48	-4.41	57.07	74	-16.93	PK
Vertical	17010.074	43.34	-4.41	38.93	54	-15.07	AV
Horizontal	4739.152	62.46	-20.12	42.34	68.2	-25.86	PK
Horizontal	4739.152	43.65	-20.12	23.53	54	-30.47	AV
Horizontal	11340.191	54.48	-8.67	45.81	68.2	-22.39	PK
Horizontal	11340.191	41.66	-8.67	32.99	54	-21.01	AV
Horizontal	17010.024	50.85	-4.41	46.44	74	-27.56	PK
Horizontal	17010.024	41.46	-4.41	37.05	54	-16.95	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(5.6G) - 802.11ac-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5530 MHz)-Above 1G							
Vertical	4434.071	60.75	-20.73	40.01	68.2	-28.19	PK
Vertical	4434.071	43.23	-20.73	22.50	54	-31.50	AV
Vertical	11060.064	61.14	-8.45	52.69	68.2	-15.51	PK
Vertical	11060.064	43.05	-8.45	34.60	54	-19.40	AV
Vertical	16590.015	64.75	-5.79	58.96	74	-15.04	PK
Vertical	16590.015	43.12	-5.79	37.33	54	-16.67	AV
Horizontal	4434.060	61.23	-20.73	40.50	68.2	-27.70	PK
Horizontal	4434.060	43.89	-20.73	23.16	54	-30.84	AV
Horizontal	11060.177	51.32	-8.45	42.87	68.2	-25.33	PK
Horizontal	11060.177	42.77	-8.45	34.32	54	-19.68	AV
Horizontal	16590.145	51.47	-5.79	45.68	74	-28.32	PK
Horizontal	16590.145	44.79	-5.79	39.00	54	-15.00	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(5.6G) - 802.11ax-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G							
Vertical	4434.186	74.71	-20.73	53.98	68.2	-14.22	PK
Vertical	4434.186	59.80	-20.73	39.06	54	-14.94	AV
Vertical	11000.113	61.88	-8.40	53.48	68.2	-14.72	PK
Vertical	11000.113	49.27	-8.40	40.87	54	-13.13	AV
Vertical	16500.172	63.16	-6.09	57.07	74	-16.93	PK
Vertical	16500.172	49.90	-6.09	43.81	54	-10.19	AV
Horizontal	4434.168	74.23	-20.73	53.50	68.2	-14.70	PK
Horizontal	4434.168	59.41	-20.73	38.67	54	-15.33	AV
Horizontal	11000.146	64.63	-8.40	56.23	68.2	-11.97	PK
Horizontal	11000.146	49.30	-8.40	40.90	54	-13.10	AV
Horizontal	16500.117	60.21	-6.09	54.12	74	-19.88	PK
Horizontal	16500.117	49.52	-6.09	43.43	54	-10.57	AV
middle Channel (5580 MHz)-Above 1G							
Vertical	4592.079	70.09	-20.42	49.67	74	-24.33	PK
Vertical	4592.079	59.72	-20.42	39.30	54	-14.70	AV
Vertical	11160.006	63.72	-8.53	55.19	68.2	-13.01	PK
Vertical	11160.006	49.48	-8.53	40.95	54	-13.05	AV
Vertical	16740.183	64.32	-5.31	59.01	74	-14.99	PK
Vertical	16740.183	49.11	-5.31	43.80	54	-10.20	AV
Horizontal	4592.040	70.46	-20.42	50.05	74	-23.95	PK
Horizontal	4592.040	59.85	-20.42	39.44	54	-14.56	AV
Horizontal	11160.070	63.93	-8.53	55.40	68.2	-12.80	PK
Horizontal	11160.070	49.39	-8.53	40.86	54	-13.14	AV
Horizontal	16740.182	60.59	-5.31	55.28	74	-18.72	PK
Horizontal	16740.182	49.30	-5.31	43.99	54	-10.01	AV
High Channel (5700 MHz)-Above 1G							
Vertical	4739.061	72.33	-20.12	52.21	74	-21.79	PK
Vertical	4739.061	59.70	-20.12	39.58	54	-14.42	AV
Vertical	11400.013	63.32	-8.72	54.60	68.2	-13.60	PK
Vertical	11400.013	49.60	-8.72	40.88	54	-13.12	AV
Vertical	17100.069	63.86	-3.92	59.94	74	-14.06	PK
Vertical	17100.069	49.85	-3.92	45.93	54	-8.07	AV
Horizontal	4739.163	72.53	-20.12	52.41	74	-21.59	PK
Horizontal	4739.163	59.65	-20.12	39.52	54	-14.48	AV
Horizontal	11400.081	60.59	-8.72	51.87	68.2	-16.33	PK
Horizontal	11400.081	49.25	-8.72	40.53	54	-13.47	AV
Horizontal	17100.140	61.25	-3.92	57.33	74	-16.67	PK
Horizontal	17100.140	49.78	-3.92	45.86	54	-8.14	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.6G) - 802.11ax-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5510 MHz)-Above 1G							
Vertical	4434.043	63.70	-20.73	42.97	68.2	-25.23	PK
Vertical	4434.043	43.25	-20.73	22.52	54	-31.48	AV
Vertical	11020.176	61.25	-8.42	52.83	68.2	-15.37	PK
Vertical	11020.176	43.80	-8.42	35.38	54	-18.62	AV
Vertical	16530.091	61.27	-5.99	55.28	74	-18.72	PK
Vertical	16530.091	43.57	-5.99	37.58	54	-16.42	AV
Horizontal	4434.021	62.91	-20.73	42.17	74	-31.83	PK
Horizontal	4434.021	43.18	-20.73	22.45	54	-31.55	AV
Horizontal	11020.037	50.79	-8.42	42.37	68.2	-25.83	PK
Horizontal	11020.037	44.80	-8.42	36.38	54	-17.62	AV
Horizontal	16530.125	51.95	-5.99	45.96	74	-28.04	PK
Horizontal	16530.125	44.47	-5.99	38.48	54	-15.52	AV
middle Channel (5550 MHz)-Above 1G							
Vertical	4592.159	61.13	-20.42	40.72	74	-33.28	PK
Vertical	4592.159	43.47	-20.42	23.05	54	-30.95	AV
Vertical	11100.100	61.36	-8.40	52.96	68.2	-15.24	PK
Vertical	11100.100	43.97	-8.40	35.57	54	-18.43	AV
Vertical	16650.167	61.13	-5.60	55.53	74	-18.47	PK
Vertical	16650.167	43.13	-5.60	37.53	54	-16.47	AV
Horizontal	4592.111	61.56	-20.42	41.14	74	-32.86	PK
Horizontal	4592.111	43.29	-20.42	22.87	54	-31.13	AV
Horizontal	11100.186	54.82	-8.40	46.42	68.2	-21.78	PK
Horizontal	11100.186	42.16	-8.40	33.76	54	-20.24	AV
Horizontal	16650.048	53.37	-5.60	47.77	74	-26.23	PK
Horizontal	16650.048	41.94	-5.60	36.34	54	-17.66	AV
High Channel (5670 MHz)-Above 1G							
Vertical	4739.175	64.10	-20.12	43.98	68.2	-24.22	PK
Vertical	4739.175	43.78	-20.12	23.66	54	-30.34	AV
Vertical	11340.162	62.41	-8.67	53.74	68.2	-14.46	PK
Vertical	11340.162	43.68	-8.67	35.01	54	-18.99	AV
Vertical	17010.019	64.85	-4.41	60.44	74	-13.56	PK
Vertical	17010.019	43.71	-4.41	39.30	54	-14.70	AV
Horizontal	4739.032	63.23	-20.12	43.11	68.2	-25.09	PK
Horizontal	4739.032	43.35	-20.12	23.22	54	-30.78	AV
Horizontal	11340.193	53.50	-8.67	44.83	68.2	-23.37	PK
Horizontal	11340.193	40.97	-8.67	32.30	54	-21.70	AV
Horizontal	17010.107	54.60	-4.41	50.19	74	-23.81	PK
Horizontal	17010.107	43.01	-4.41	38.60	54	-15.40	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.6G) - 802.11ax-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5530 MHz)-Above 1G							
Vertical	4434.074	61.09	-20.73	40.35	68.2	-27.85	PK
Vertical	4434.074	43.92	-20.73	23.19	54	-30.81	AV
Vertical	11060.001	60.72	-8.45	52.27	68.2	-15.93	PK
Vertical	11060.001	43.78	-8.45	35.33	54	-18.67	AV
Vertical	16590.106	63.54	-5.79	57.75	74	-16.25	PK
Vertical	16590.106	43.19	-5.79	37.40	54	-16.60	AV
Horizontal	4434.083	60.45	-20.73	39.72	68.2	-28.48	PK
Horizontal	4434.083	43.21	-20.73	22.48	54	-31.52	AV
Horizontal	11060.190	54.24	-8.45	45.79	68.2	-22.41	PK
Horizontal	11060.190	40.33	-8.45	31.88	54	-22.12	AV
Horizontal	16590.148	52.33	-5.79	46.54	74	-27.46	PK
Horizontal	16590.148	40.46	-5.79	34.67	54	-19.33	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	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.180	74.19	-20.24	53.95	74	-20.05	PK
Vertical	4679.180	59.14	-20.24	38.89	54	-15.11	AV
Vertical	11490.085	62.09	-8.79	53.30	68.2	-14.90	PK
Vertical	11490.085	49.81	-8.79	41.02	54	-12.98	AV
Vertical	17235.135	57.31	-3.18	54.13	68.2	-14.07	PK
Vertical	17235.135	44.90	-3.18	41.72	54	-12.28	AV
Horizontal	4679.200	74.74	-20.73	54.01	74	-19.99	PK
Horizontal	4679.200	59.41	-20.73	38.68	54	-15.32	AV
Horizontal	11490.008	61.32	-8.79	52.53	68.2	-15.67	PK
Horizontal	11490.008	49.90	-8.79	41.11	54	-12.89	AV
Horizontal	17235.165	55.83	-3.18	52.65	68.2	-15.55	PK
Horizontal	17235.165	44.43	-3.18	41.25	54	-12.75	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.146	71.14	-20.42	50.73	74	-23.27	PK
Vertical	4592.146	59.34	-20.42	38.92	54	-15.08	AV
Vertical	11570.104	61.83	-8.86	52.97	68.2	-15.23	PK
Vertical	11570.104	49.56	-8.86	40.70	54	-13.30	AV
Vertical	17355.172	59.64	-2.52	57.12	68.2	-11.08	PK
Vertical	17355.172	44.16	-2.52	41.64	54	-12.36	AV
Horizontal	4592.051	70.75	-20.42	50.33	74	-23.67	PK
Horizontal	4592.051	59.41	-20.42	38.99	54	-15.01	AV
Horizontal	11570.031	60.17	-8.86	51.31	68.2	-16.89	PK
Horizontal	11570.031	49.12	-8.86	40.26	54	-13.74	AV
Horizontal	17355.192	59.20	-2.52	56.68	68.2	-11.52	PK
Horizontal	17355.192	44.61	-2.52	42.09	54	-11.91	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.001	74.22	-18.93	55.29	68.2	-12.91	PK
Vertical	6039.001	59.91	-18.93	40.98	54	-13.02	AV
Vertical	11650.164	63.55	-8.92	54.63	74	-19.37	PK
Vertical	11650.164	49.43	-8.92	40.51	54	-13.49	AV
Vertical	17475.132	58.51	-1.86	56.65	68.2	-11.55	PK
Vertical	17475.132	44.25	-1.86	42.39	54	-11.61	AV
Horizontal	6039.145	71.51	-18.93	52.57	68.2	-15.63	PK
Horizontal	6039.145	59.67	-18.93	40.74	54	-13.26	AV
Horizontal	11650.062	60.36	-8.92	51.44	74	-22.56	PK
Horizontal	11650.062	49.74	-8.92	40.82	54	-13.18	AV
Horizontal	17475.067	59.08	-1.86	57.22	68.2	-10.98	PK
Horizontal	17475.067	44.85	-1.86	42.99	54	-11.01	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.

The worst case is Antenna A.

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

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.101	72.47	-20.24	52.23	74	-21.77	PK
Vertical	4679.101	59.47	-20.24	39.23	54	-14.77	AV
Vertical	11490.116	63.62	-8.79	54.83	68.2	-13.37	PK
Vertical	11490.116	49.83	-8.79	41.04	54	-12.96	AV
Vertical	17235.141	58.11	-3.18	54.93	68.2	-13.27	PK
Vertical	17235.141	44.80	-3.18	41.62	54	-12.38	AV
Horizontal	4679.003	71.27	-20.24	51.03	74	-22.97	PK
Horizontal	4679.003	59.37	-20.24	39.13	54	-14.87	AV
Horizontal	11490.080	63.33	-8.79	54.54	68.2	-13.66	PK
Horizontal	11490.080	49.94	-8.79	41.15	54	-12.85	AV
Horizontal	17235.192	58.90	-3.18	55.72	68.2	-12.48	PK
Horizontal	17235.192	44.05	-3.18	40.87	54	-13.13	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.098	70.82	-20.42	50.40	74	-23.60	PK
Vertical	4592.098	59.94	-20.42	39.53	54	-14.47	AV
Vertical	11570.162	61.68	-8.86	52.82	68.2	-15.38	PK
Vertical	11570.162	49.59	-8.86	40.73	54	-13.27	AV
Vertical	17355.104	55.60	-2.52	53.08	68.2	-15.12	PK
Vertical	17355.104	44.43	-2.52	41.91	54	-12.09	AV
Horizontal	4592.177	72.24	-20.42	51.82	74	-22.18	PK
Horizontal	4592.177	59.97	-20.42	39.56	54	-14.44	AV
Horizontal	11570.071	60.64	-8.86	51.78	68.2	-16.42	PK
Horizontal	11570.071	49.33	-8.86	40.47	54	-13.53	AV
Horizontal	17355.136	57.56	-2.52	55.04	68.2	-13.16	PK
Horizontal	17355.136	44.59	-2.52	42.07	54	-11.93	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.183	74.11	-18.93	55.18	68.2	-13.02	PK
Vertical	6039.183	59.88	-18.93	40.95	54	-13.05	AV
Vertical	11650.124	64.06	-8.92	55.14	74	-18.86	PK
Vertical	11650.124	49.36	-8.92	40.44	54	-13.56	AV
Vertical	17475.148	56.45	-1.86	54.59	68.2	-13.61	PK
Vertical	17475.148	44.25	-1.86	42.39	54	-11.61	AV
Horizontal	6039.031	70.05	-18.93	51.11	68.2	-17.09	PK
Horizontal	6039.031	59.32	-18.93	40.39	54	-13.61	AV
Horizontal	11650.193	60.89	-8.92	51.97	74	-22.03	PK
Horizontal	11650.193	49.48	-8.92	40.56	54	-13.44	AV
Horizontal	17475.050	59.78	-1.86	57.92	68.2	-10.28	PK
Horizontal	17475.050	44.59	-1.86	42.73	54	-11.27	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	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.180	74.61	-20.24	54.37	74	-19.63	PK
Vertical	4679.180	59.29	-20.24	39.05	54	-14.95	AV
Vertical	11510.125	63.70	-8.81	54.89	74	-19.11	PK
Vertical	11510.125	49.06	-8.81	40.25	54	-13.75	AV
Vertical	17265.198	58.83	-3.01	55.82	68.2	-12.38	PK
Vertical	17265.198	44.95	-3.01	41.94	54	-12.06	AV
Horizontal	4679.058	73.27	-20.24	53.03	74	-20.97	PK
Horizontal	4679.058	59.07	-20.24	38.83	54	-15.17	AV
Horizontal	11510.126	60.64	-8.81	51.83	74	-22.17	PK
Horizontal	11510.126	49.43	-8.81	40.62	54	-13.38	AV
Horizontal	17265.043	59.71	-3.01	56.70	68.2	-11.50	PK
Horizontal	17265.043	44.13	-3.01	41.12	54	-12.88	AV
High Channel (5795 MHz)-Above 1G							
Vertical	6039.128	71.54	-18.93	52.61	68.2	-15.59	PK
Vertical	6039.128	59.15	-18.93	40.22	54	-13.78	AV
Vertical	11590.067	60.70	-8.87	51.83	74	-22.17	PK
Vertical	11590.067	49.96	-8.87	41.09	54	-12.91	AV
Vertical	17385.189	58.97	-2.35	56.62	68.2	-11.58	PK
Vertical	17385.189	44.80	-2.35	42.45	54	-11.55	AV
Horizontal	6039.064	70.78	-18.93	51.85	68.2	-16.35	PK
Horizontal	6039.064	59.54	-18.93	40.61	54	-13.39	AV
Horizontal	11590.142	62.12	-8.87	53.25	74	-20.75	PK
Horizontal	11590.142	49.99	-8.87	41.12	54	-12.88	AV
Horizontal	17385.016	56.24	-2.35	53.89	68.2	-14.31	PK
Horizontal	17385.016	44.10	-2.35	41.75	54	-12.25	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.023	73.78	-20.24	53.54	74	-20.46	PK
Vertical	4679.023	59.95	-20.24	39.70	54	-14.30	AV
Vertical	11490.051	64.47	-8.79	55.68	68.2	-12.52	PK
Vertical	11490.051	49.10	-8.79	40.31	54	-13.69	AV
Vertical	17235.143	55.96	-3.18	52.78	68.2	-15.42	PK
Vertical	17235.143	44.07	-3.18	40.89	54	-13.11	AV
Horizontal	4679.062	72.10	-20.24	51.85	74	-22.15	PK
Horizontal	4679.062	59.28	-20.24	39.04	54	-14.96	AV
Horizontal	11490.194	63.65	-8.79	54.86	68.2	-13.34	PK
Horizontal	11490.194	49.56	-8.79	40.77	54	-13.23	AV
Horizontal	17235.176	56.03	-3.18	52.85	68.2	-15.35	PK
Horizontal	17235.176	44.21	-3.18	41.03	54	-12.97	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.055	71.52	-20.42	51.10	74	-22.90	PK
Vertical	4592.055	59.06	-20.42	38.65	54	-15.35	AV
Vertical	11570.004	63.76	-8.86	54.90	68.2	-13.30	PK
Vertical	11570.004	49.13	-8.86	40.27	54	-13.73	AV
Vertical	17355.132	55.85	-2.52	53.33	68.2	-14.87	PK
Vertical	17355.132	44.87	-2.52	42.35	54	-11.65	AV
Horizontal	4592.106	74.94	-20.42	54.52	74	-19.48	PK
Horizontal	4592.106	60.00	-20.42	39.58	54	-14.42	AV
Horizontal	11570.049	64.53	-8.86	55.67	68.2	-12.53	PK
Horizontal	11570.049	49.42	-8.86	40.56	54	-13.44	AV
Horizontal	17355.064	55.49	-2.52	52.97	68.2	-15.23	PK
Horizontal	17355.064	44.69	-2.52	42.17	54	-11.83	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.172	72.30	-18.93	53.37	68.2	-14.83	PK
Vertical	6039.172	59.20	-18.93	40.27	54	-13.73	AV
Vertical	11650.049	62.16	-8.92	53.24	74	-20.76	PK
Vertical	11650.049	49.93	-8.92	41.01	54	-12.99	AV
Vertical	17475.065	57.41	-1.86	55.55	68.2	-12.65	PK
Vertical	17475.065	44.31	-1.86	42.45	54	-11.55	AV
Horizontal	6039.185	70.52	-18.93	51.59	68.2	-16.61	PK
Horizontal	6039.185	59.09	-18.93	40.16	54	-13.84	AV
Horizontal	11650.150	61.66	-8.92	52.74	74	-21.26	PK
Horizontal	11650.150	49.55	-8.92	40.63	54	-13.37	AV
Horizontal	17475.161	59.18	-1.86	57.32	68.2	-10.88	PK
Horizontal	17475.161	44.41	-1.86	42.55	54	-11.45	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	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.148	74.83	-20.24	54.58	74	-19.42	PK
Vertical	4679.148	59.21	-20.24	38.97	54	-15.03	AV
Vertical	11510.057	61.66	-8.81	52.85	74	-21.15	PK
Vertical	11510.057	49.10	-8.81	40.29	54	-13.71	AV
Vertical	17265.165	55.89	-3.01	52.88	68.2	-15.32	PK
Vertical	17265.165	44.12	-3.01	41.11	54	-12.89	AV
Horizontal	4679.124	72.14	-20.24	51.89	74	-22.11	PK
Horizontal	4679.124	59.63	-20.24	39.38	54	-14.62	AV
Horizontal	11510.188	61.95	-8.81	53.14	74	-20.86	PK
Horizontal	11510.188	49.25	-8.81	40.44	54	-13.56	AV
Horizontal	17265.150	58.52	-3.01	55.51	68.2	-12.69	PK
Horizontal	17265.150	44.62	-3.01	41.61	54	-12.39	AV
High Channel (5795 MHz)-Above 1G							
Vertical	6039.178	71.01	-18.93	52.08	68.2	-16.12	PK
Vertical	6039.178	59.53	-18.93	40.60	54	-13.40	AV
Vertical	11590.071	64.93	-8.87	56.06	74	-17.94	PK
Vertical	11590.071	49.52	-8.87	40.65	54	-13.35	AV
Vertical	17385.099	55.59	-2.35	53.24	68.2	-14.96	PK
Vertical	17385.099	44.60	-2.35	42.25	54	-11.75	AV
Horizontal	6039.087	74.57	-18.93	55.64	68.2	-12.56	PK
Horizontal	6039.087	59.79	-18.93	40.86	54	-13.14	AV
Horizontal	11590.066	62.00	-8.87	53.13	74	-20.87	PK
Horizontal	11590.066	49.58	-8.87	40.71	54	-13.29	AV
Horizontal	17385.014	56.63	-2.35	54.28	68.2	-13.92	PK
Horizontal	17385.014	44.02	-2.35	41.67	54	-12.33	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	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5775 MHz)-Above 1G							
Vertical	4679.188	74.04	-20.24	53.79	74	-20.21	PK
Vertical	4679.188	59.89	-20.24	39.64	54	-14.36	AV
Vertical	11550.040	61.17	-8.84	52.33	74	-21.67	PK
Vertical	11550.040	49.93	-8.84	41.09	54	-12.91	AV
Vertical	17325.029	55.72	-2.68	53.04	68.2	-15.16	PK
Vertical	17325.029	44.34	-2.68	41.66	54	-12.34	AV
Horizontal	4679.066	71.64	-20.24	51.40	74	-22.60	PK
Horizontal	4679.066	59.66	-20.24	39.41	54	-14.59	AV
Horizontal	11550.050	62.13	-8.84	53.29	74	-20.71	PK
Horizontal	11550.050	49.56	-8.84	40.72	54	-13.28	AV
Horizontal	17325.067	57.00	-2.68	54.32	68.2	-13.88	PK
Horizontal	17325.067	44.11	-2.68	41.43	54	-12.57	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ax-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.182	71.88	-20.24	51.64	74	-22.36	PK
Vertical	4679.182	59.43	-20.24	39.19	54	-14.81	AV
Vertical	11490.170	60.79	-8.79	52.00	68.2	-16.20	PK
Vertical	11490.170	50.00	-8.79	41.21	54	-12.79	AV
Vertical	17235.027	57.11	-3.18	53.93	68.2	-14.27	PK
Vertical	17235.027	44.95	-3.18	41.77	54	-12.23	AV
Horizontal	4679.125	73.32	-20.24	53.08	74	-20.92	PK
Horizontal	4679.125	59.35	-20.24	39.11	54	-14.89	AV
Horizontal	11490.177	61.13	-8.79	52.34	68.2	-15.86	PK
Horizontal	11490.177	49.98	-8.79	41.19	54	-12.81	AV
Horizontal	17235.137	59.00	-3.18	55.82	68.2	-12.38	PK
Horizontal	17235.137	44.20	-3.18	41.02	54	-12.98	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.012	70.95	-20.42	50.53	74	-23.47	PK
Vertical	4592.012	59.06	-20.42	38.65	54	-15.35	AV
Vertical	11570.190	60.60	-8.86	51.74	68.2	-16.46	PK
Vertical	11570.190	49.01	-8.86	40.15	54	-13.85	AV
Vertical	17355.001	57.31	-2.52	54.79	68.2	-13.41	PK
Vertical	17355.001	44.81	-2.52	42.29	54	-11.71	AV
Horizontal	4592.018	72.98	-20.42	52.56	74	-21.44	PK
Horizontal	4592.018	59.55	-20.42	39.14	54	-14.86	AV
Horizontal	11570.140	63.82	-8.86	54.96	68.2	-13.24	PK
Horizontal	11570.140	49.41	-8.86	40.55	54	-13.45	AV
Horizontal	17355.025	59.82	-2.52	57.30	68.2	-10.90	PK
Horizontal	17355.025	44.51	-2.52	41.99	54	-12.01	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.011	72.47	-18.93	53.54	68.2	-14.66	PK
Vertical	6039.011	59.23	-18.93	40.29	54	-13.71	AV
Vertical	11650.053	62.90	-8.92	53.98	74	-20.02	PK
Vertical	11650.053	49.40	-8.92	40.48	54	-13.52	AV
Vertical	17475.069	56.81	-1.86	54.95	68.2	-13.25	PK
Vertical	17475.069	44.57	-1.86	42.71	54	-11.29	AV
Horizontal	6039.092	71.75	-18.93	52.82	68.2	-15.38	PK
Horizontal	6039.092	59.99	-18.93	41.06	54	-12.94	AV
Horizontal	11650.009	60.13	-8.92	51.21	74	-22.79	PK
Horizontal	11650.009	49.51	-8.92	40.59	54	-13.41	AV
Horizontal	17475.179	56.38	-1.86	54.52	68.2	-13.68	PK
Horizontal	17475.179	44.32	-1.86	42.46	54	-11.54	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ax-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.040	72.96	-20.24	52.72	74	-21.28	PK
Vertical	4679.040	59.35	-20.24	39.10	54	-14.90	AV
Vertical	11510.036	63.50	-8.81	54.69	74	-19.31	PK
Vertical	11510.036	49.87	-8.81	41.06	54	-12.94	AV
Vertical	17265.173	57.34	-3.01	54.33	68.2	-13.87	PK
Vertical	17265.173	44.26	-3.01	41.25	54	-12.75	AV
Horizontal	4679.032	72.16	-20.24	51.92	74	-22.08	PK
Horizontal	4679.032	59.89	-20.24	39.65	54	-14.35	AV
Horizontal	11510.152	60.79	-8.81	51.98	74	-22.02	PK
Horizontal	11510.152	49.78	-8.81	40.97	54	-13.03	AV
Horizontal	17265.168	57.72	-3.01	54.71	68.2	-13.49	PK
Horizontal	17265.168	44.59	-3.01	41.58	54	-12.42	AV
High Channel (5795 MHz)-Above 1G							
Vertical	6039.184	73.04	-18.93	54.11	68.2	-14.09	PK
Vertical	6039.184	59.46	-18.93	40.53	54	-13.47	AV
Vertical	11590.076	63.40	-8.87	54.53	74	-19.47	PK
Vertical	11590.076	49.19	-8.87	40.32	54	-13.68	AV
Vertical	17385.063	55.20	-2.35	52.85	68.2	-15.35	PK
Vertical	17385.063	44.26	-2.35	41.91	54	-12.09	AV
Horizontal	6039.041	73.74	-18.93	54.81	68.2	-13.39	PK
Horizontal	6039.041	59.05	-18.93	40.12	54	-13.88	AV
Horizontal	11590.016	63.27	-8.87	54.40	74	-19.60	PK
Horizontal	11590.016	49.26	-8.87	40.39	54	-13.61	AV
Horizontal	17385.184	58.82	-2.35	56.47	68.2	-11.73	PK
Horizontal	17385.184	44.39	-2.35	42.04	54	-11.96	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) - 802.11ax-HT80
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5775 MHz)-Above 1G							
Vertical	4679.080	72.95	-20.24	52.71	74	-21.29	PK
Vertical	4679.080	59.42	-20.24	39.18	54	-14.82	AV
Vertical	11550.019	63.68	-8.84	54.84	74	-19.16	PK
Vertical	11550.019	49.65	-8.84	40.81	54	-13.19	AV
Vertical	17325.082	56.39	-2.68	53.71	68.2	-14.49	PK
Vertical	17325.082	44.78	-2.68	42.10	54	-11.90	AV
Horizontal	4679.113	73.12	-20.24	52.88	74	-21.12	PK
Horizontal	4679.113	59.80	-20.24	39.56	54	-14.44	AV
Horizontal	11550.094	63.47	-8.84	54.63	74	-19.37	PK
Horizontal	11550.094	49.61	-8.84	40.77	54	-13.23	AV
Horizontal	17325.033	59.80	-2.68	57.12	68.2	-11.08	PK
Horizontal	17325.033	44.29	-2.68	41.61	54	-12.39	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

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(b) (2) The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, 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.

(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

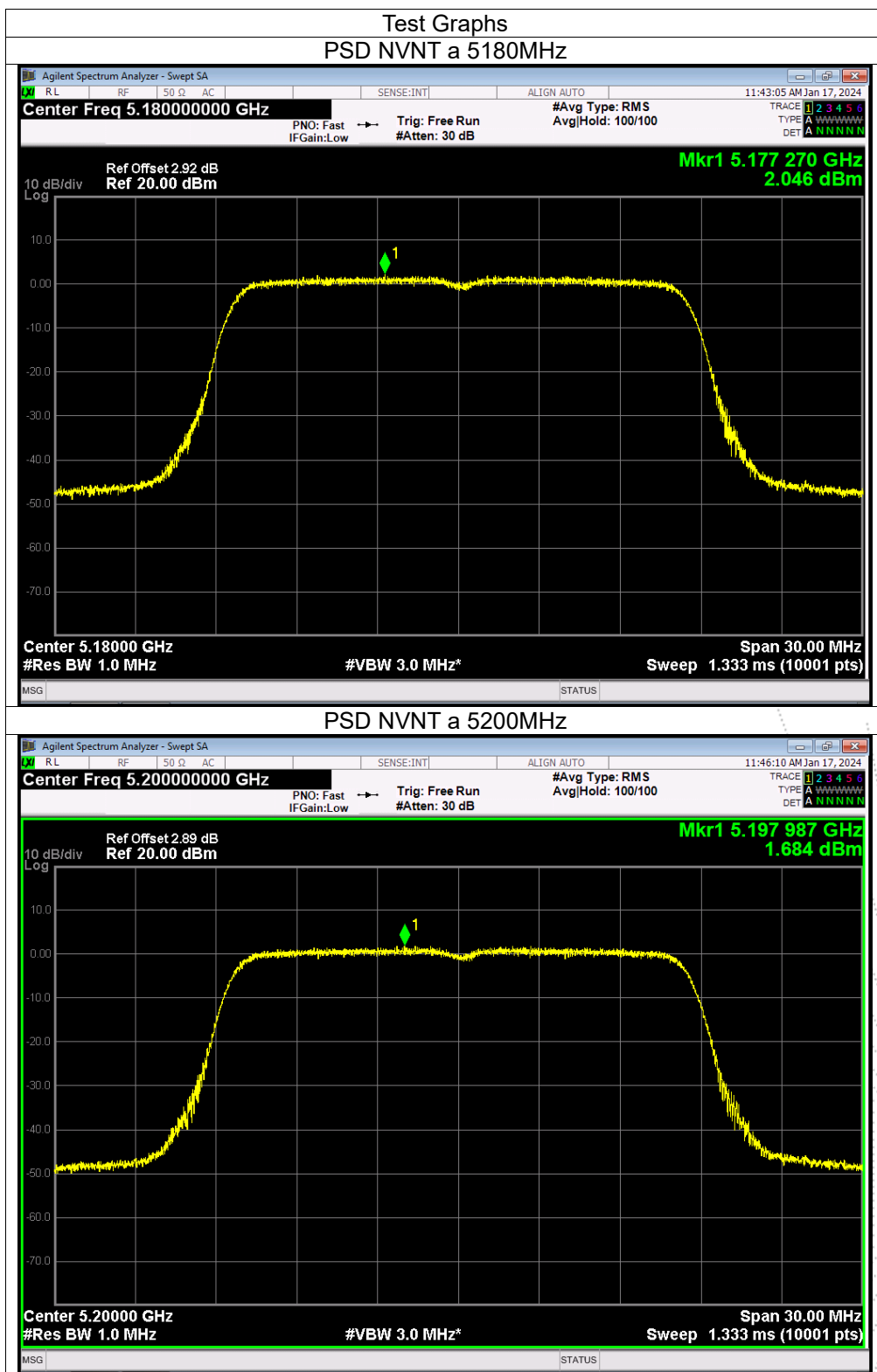
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5180-5240MHz)		

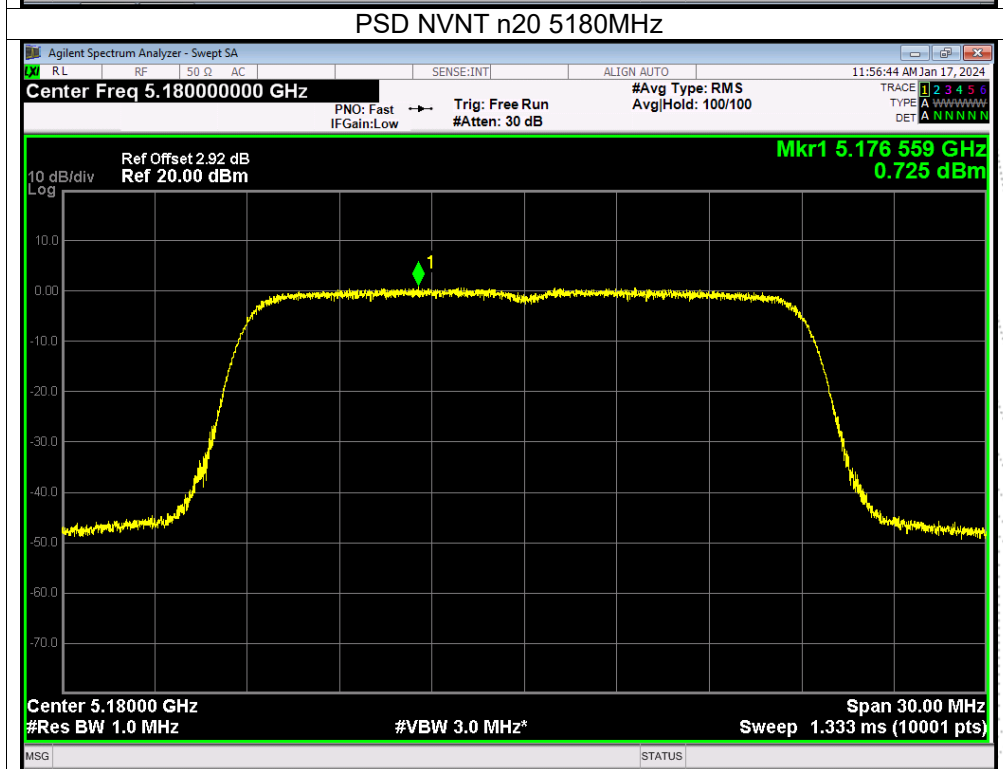
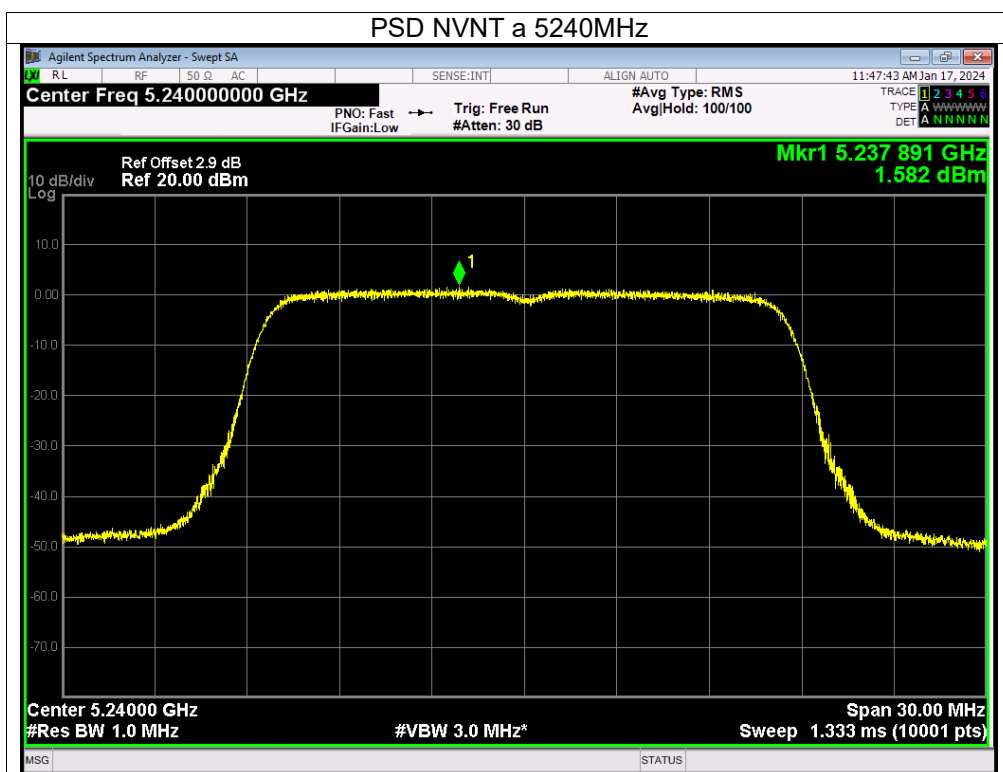
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Verdict
			Ant A	Ant B		
NVNT	a	5180	1.76	2.05	/	Pass
NVNT	a	5200	0.89	1.68	/	Pass
NVNT	a	5240	-0.48	1.58	/	Pass
NVNT	n20	5180	0.48	0.73	3.62	Pass
NVNT	n20	5200	-0.2	-0.46	2.68	Pass
NVNT	n20	5240	-1	-0.9	2.06	Pass
NVNT	n40	5190	-4.03	-3.22	-0.60	Pass
NVNT	n40	5230	-4.45	-3.77	-1.09	Pass
NVNT	ac20	5180	0.32	1.07	3.72	Pass
NVNT	ac20	5200	-0.63	0.5	2.98	Pass
NVNT	ac20	5240	-1.16	-0.04	2.45	Pass
NVNT	ac40	5190	-3.35	-4.73	-0.98	Pass
NVNT	ac40	5230	-3.96	-4.54	-1.23	Pass
NVNT	ac80	5210	-7.95	-8.78	-5.33	Pass
NVNT	ax20	5180	-0.1	-0.89	2.53	Pass
NVNT	ax20	5200	-0.87	1.3	3.36	Pass
NVNT	ax20	5240	-1.16	-0.27	2.32	Pass
NVNT	ax40	5190	-4	-4.38	-1.18	Pass
NVNT	ax40	5230	-4.35	-4.86	-1.59	Pass
NVNT	ax80	5210	-8.63	-8.22	-5.41	Pass

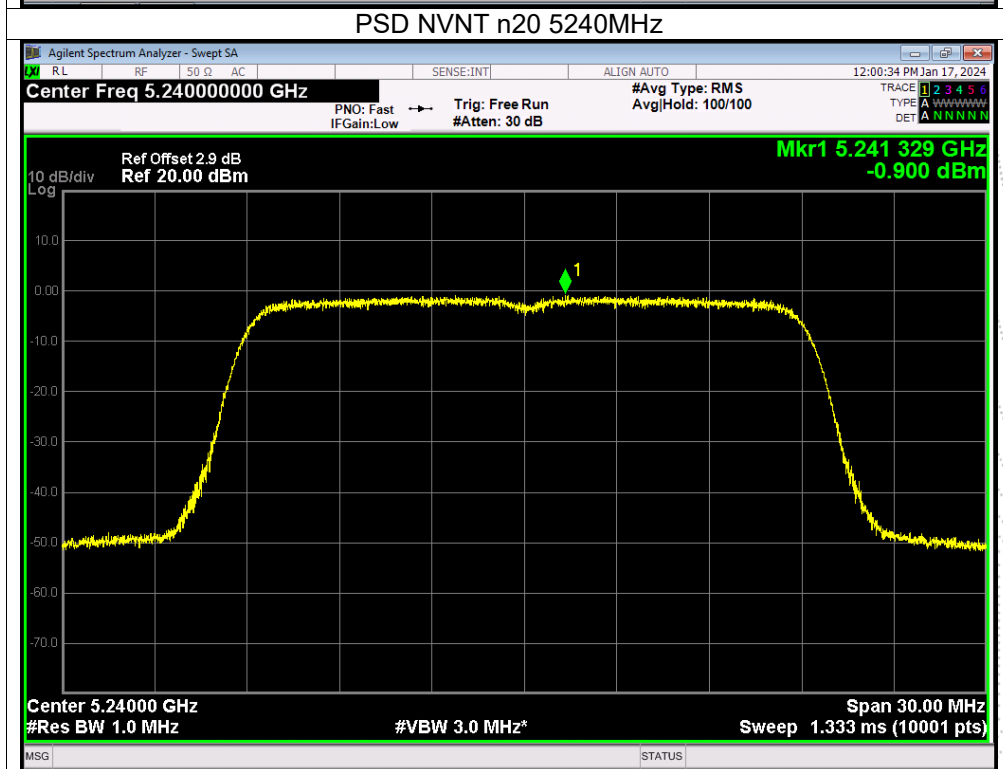
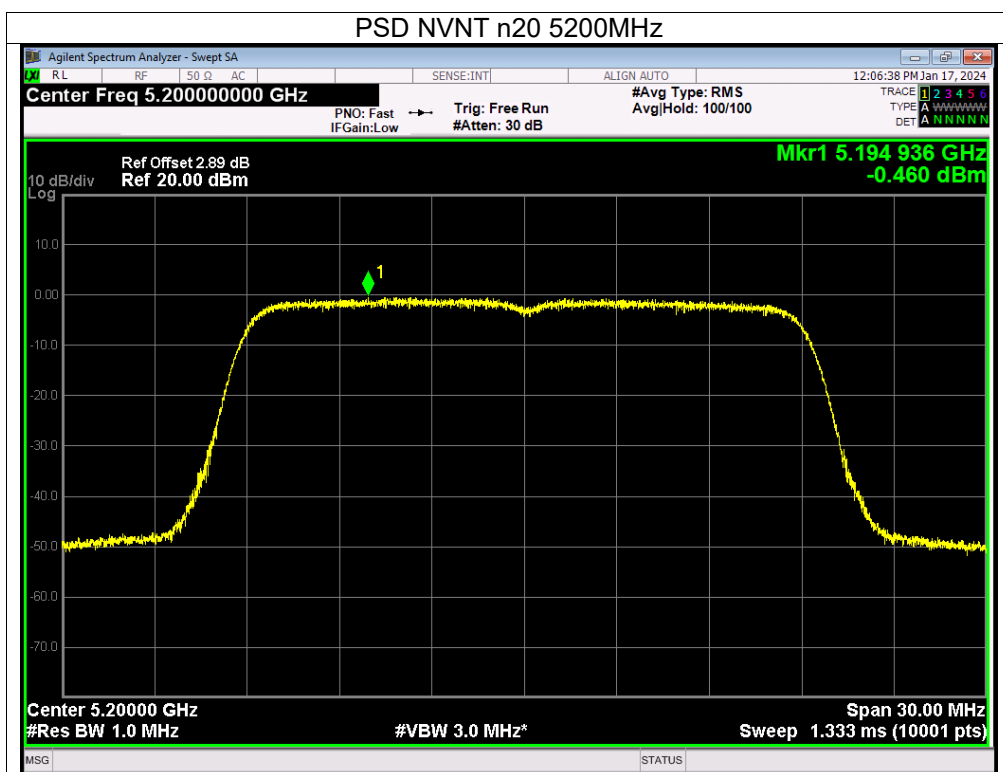
Condition	Mode	Frequency (MHz)	EIRP PSD (dBm/MHz)		EIRP Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5180	4.31	4.6	/	10	Pass
NVNT	a	5200	3.44	4.23	/	10	Pass
NVNT	a	5240	2.07	4.13	/	10	Pass
NVNT	n20	5180	/	/	6.17	8.61	Pass
NVNT	n20	5200	/	/	5.23	8.61	Pass
NVNT	n20	5240	/	/	4.61	8.61	Pass
NVNT	n40	5190	/	/	1.95	8.61	Pass
NVNT	n40	5230	/	/	1.46	8.61	Pass
NVNT	ac20	5180	/	/	6.27	8.61	Pass
NVNT	ac20	5200	/	/	5.53	8.61	Pass
NVNT	ac20	5240	/	/	5	8.61	Pass
NVNT	ac40	5190	/	/	1.57	8.61	Pass
NVNT	ac40	5230	/	/	1.32	8.61	Pass
NVNT	ac80	5210	/	/	-2.78	8.61	Pass
NVNT	ax20	5180	/	/	5.08	8.61	Pass
NVNT	ax20	5200	/	/	5.91	8.61	Pass
NVNT	ax20	5240	/	/	4.87	8.61	Pass
NVNT	ax40	5190	/	/	1.37	8.61	Pass
NVNT	ax40	5230	/	/	0.96	8.61	Pass
NVNT	ax80	5210	/	/	-2.86	8.61	Pass

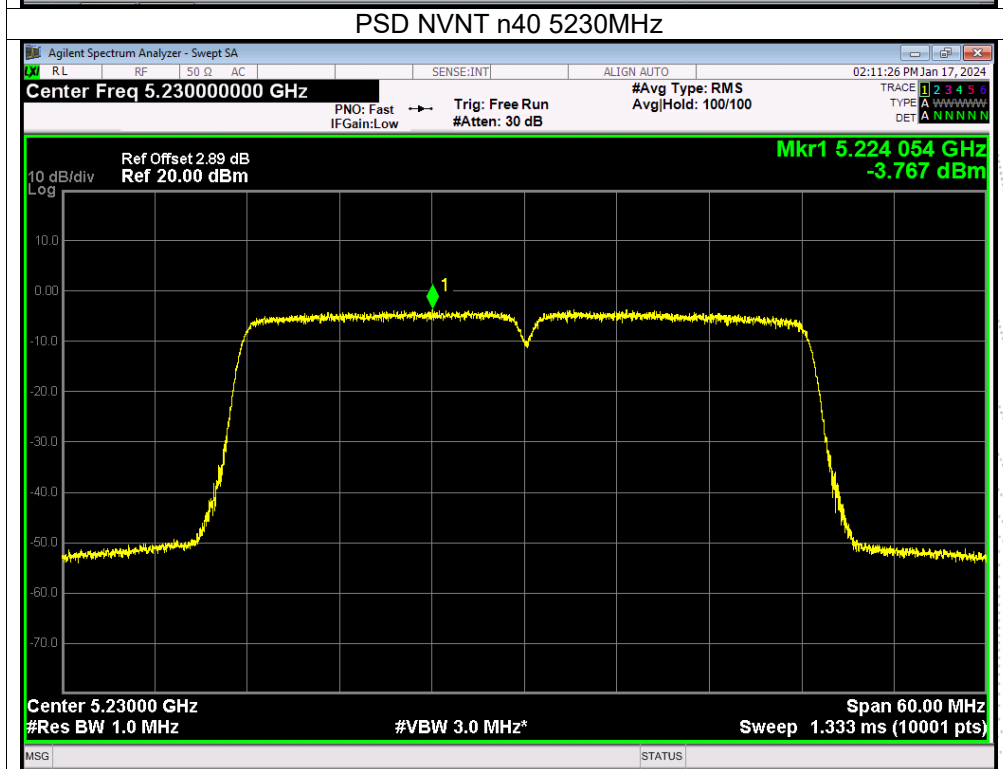
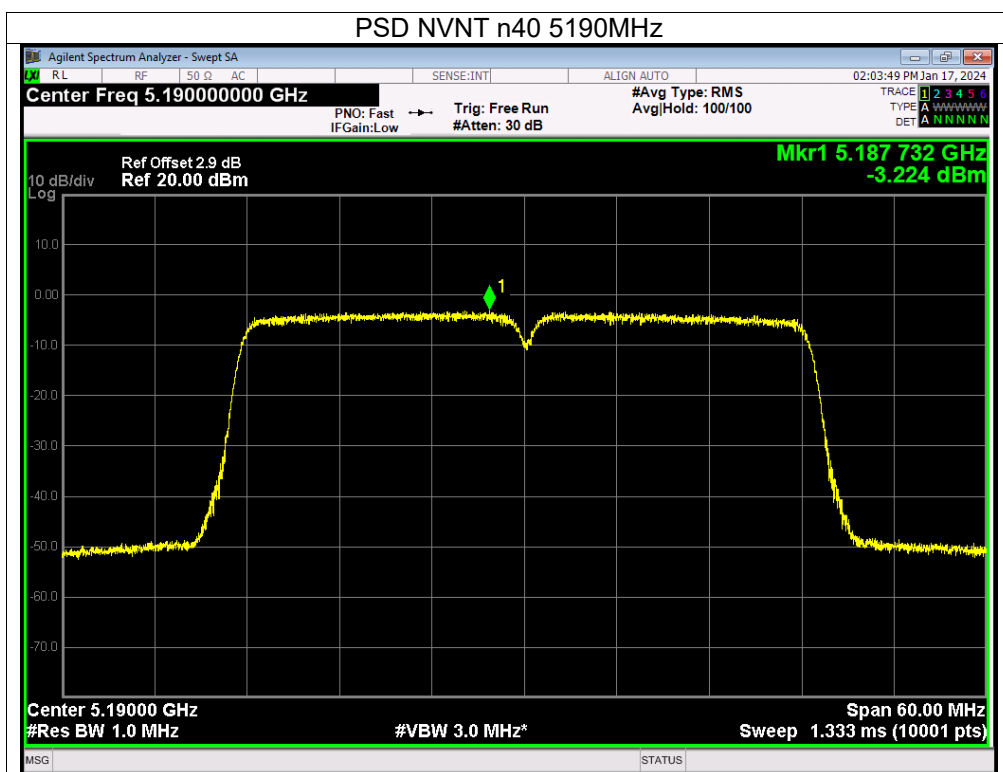
Note: EIRP= Output Power+Antenna Gain, Antenna Gain=2.55 dBi

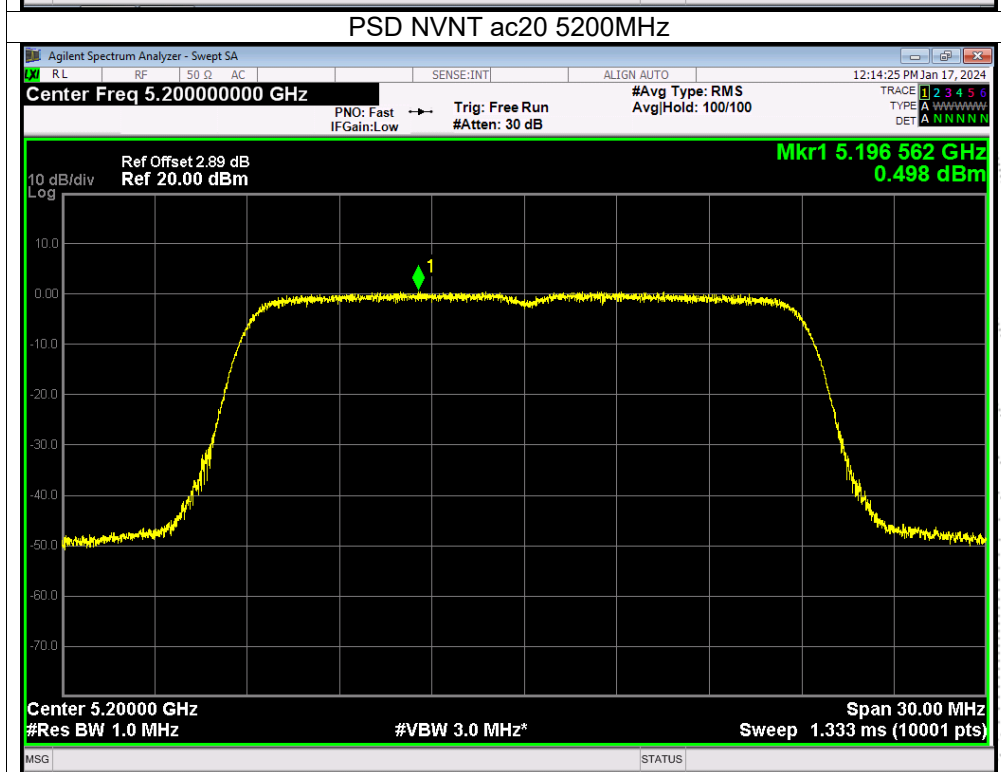
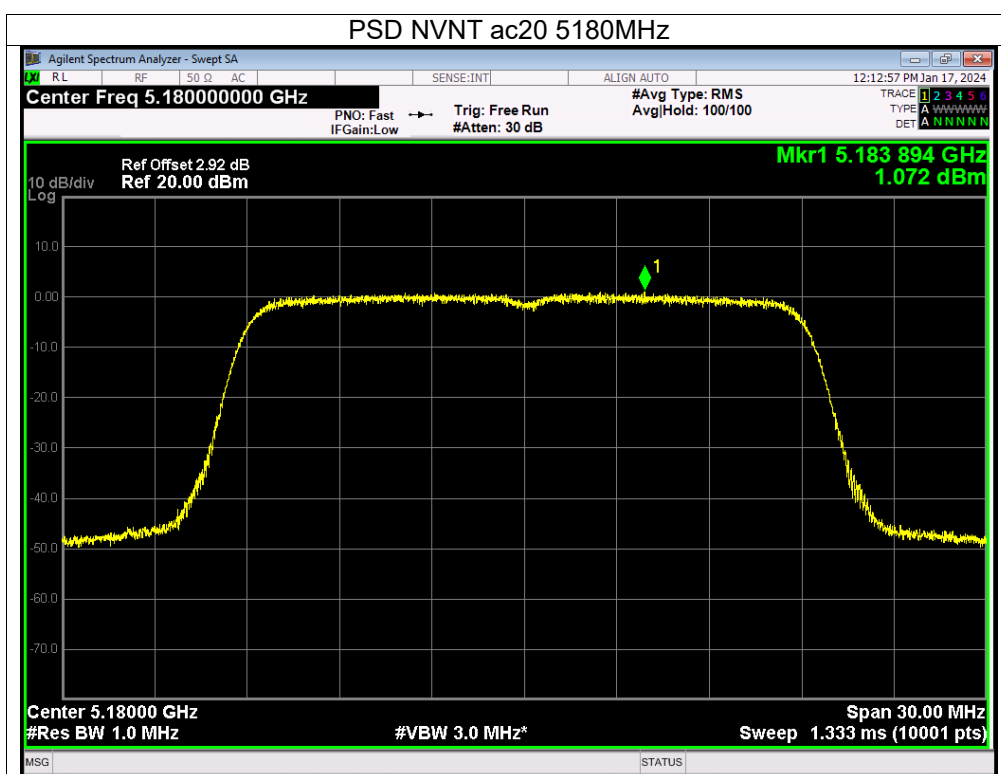
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

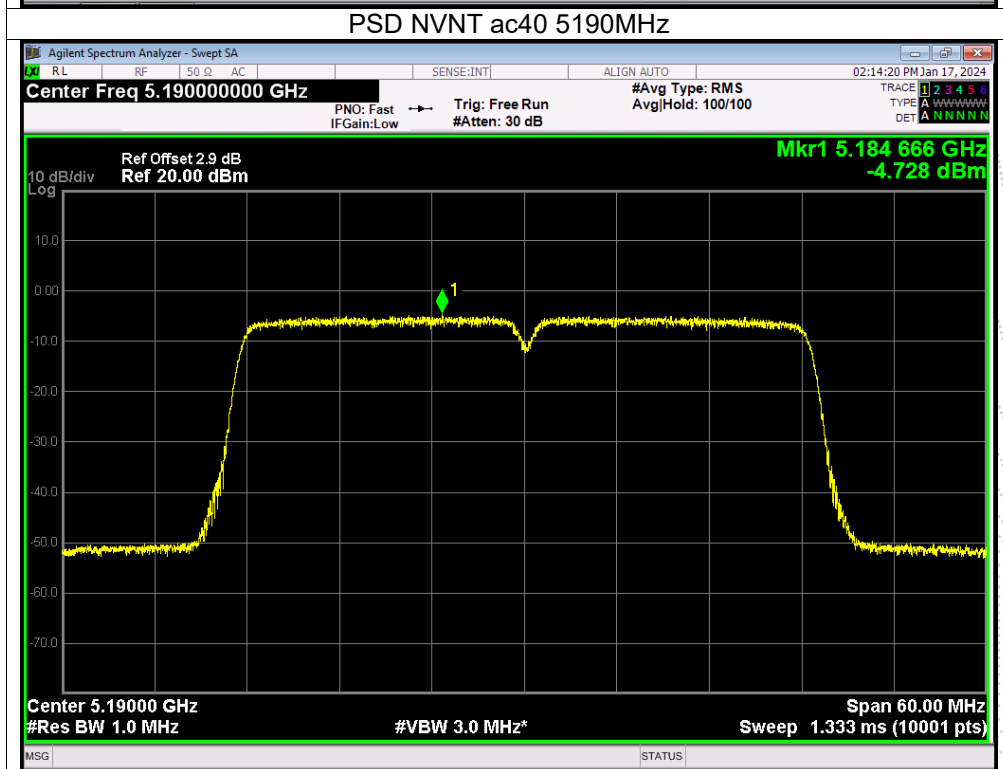
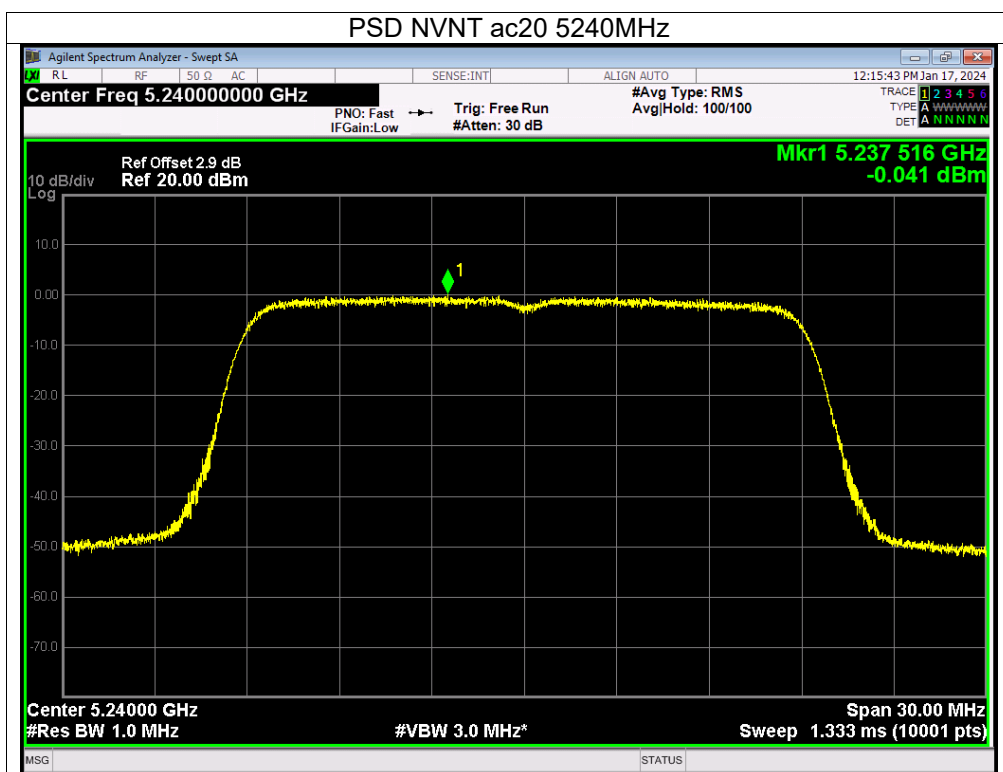


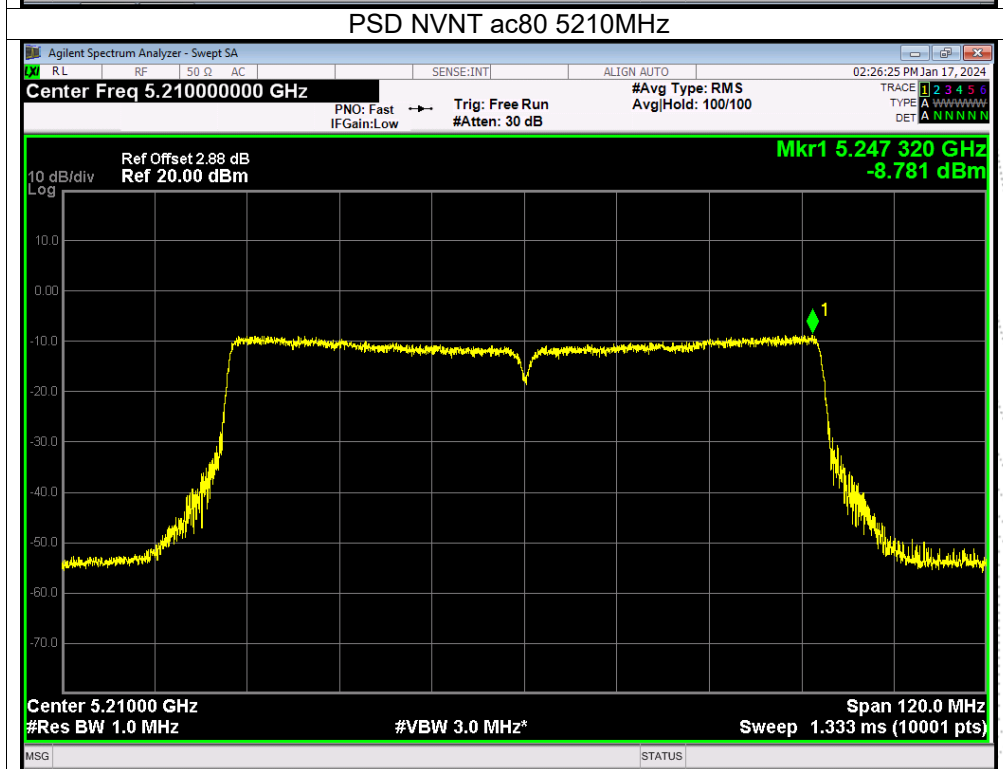
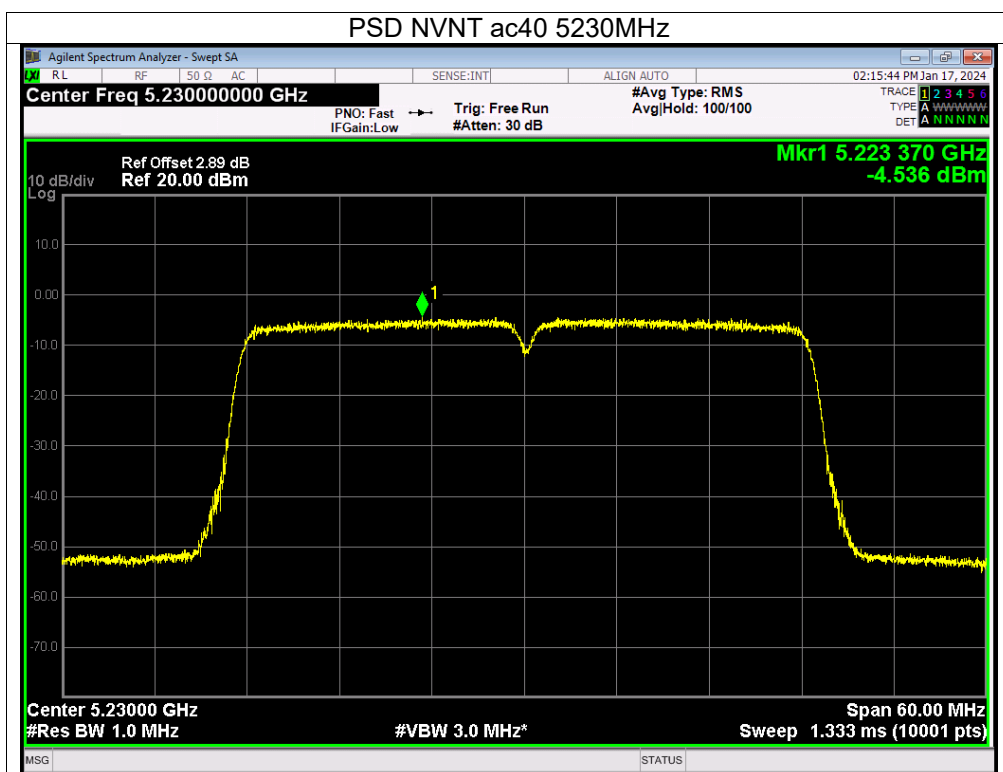


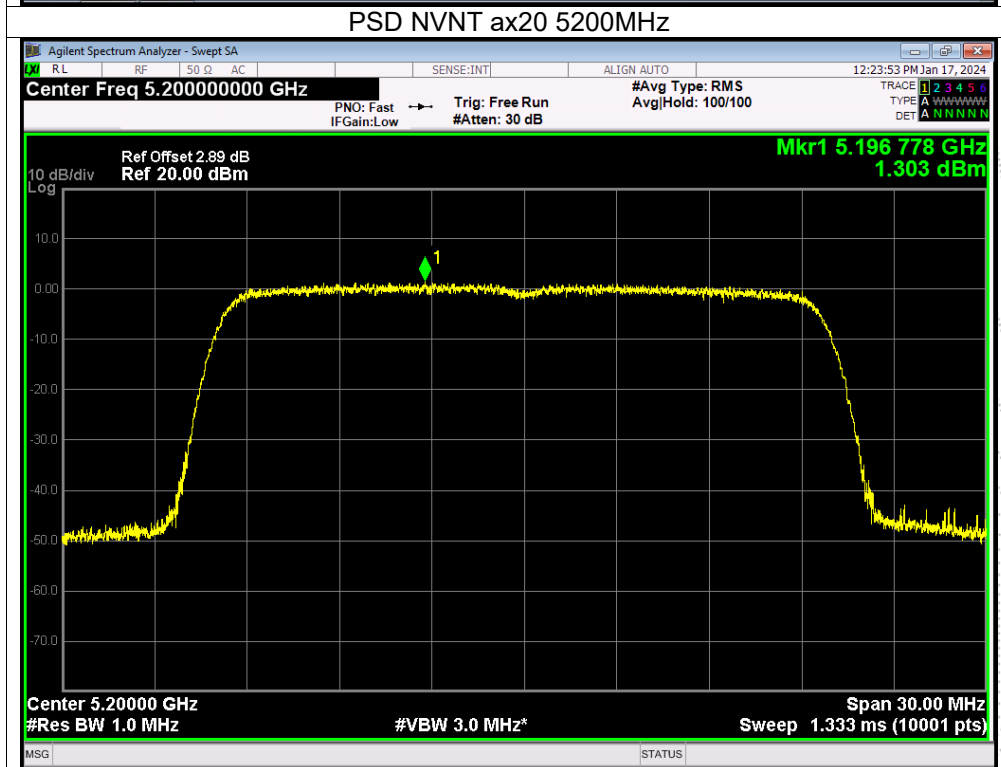
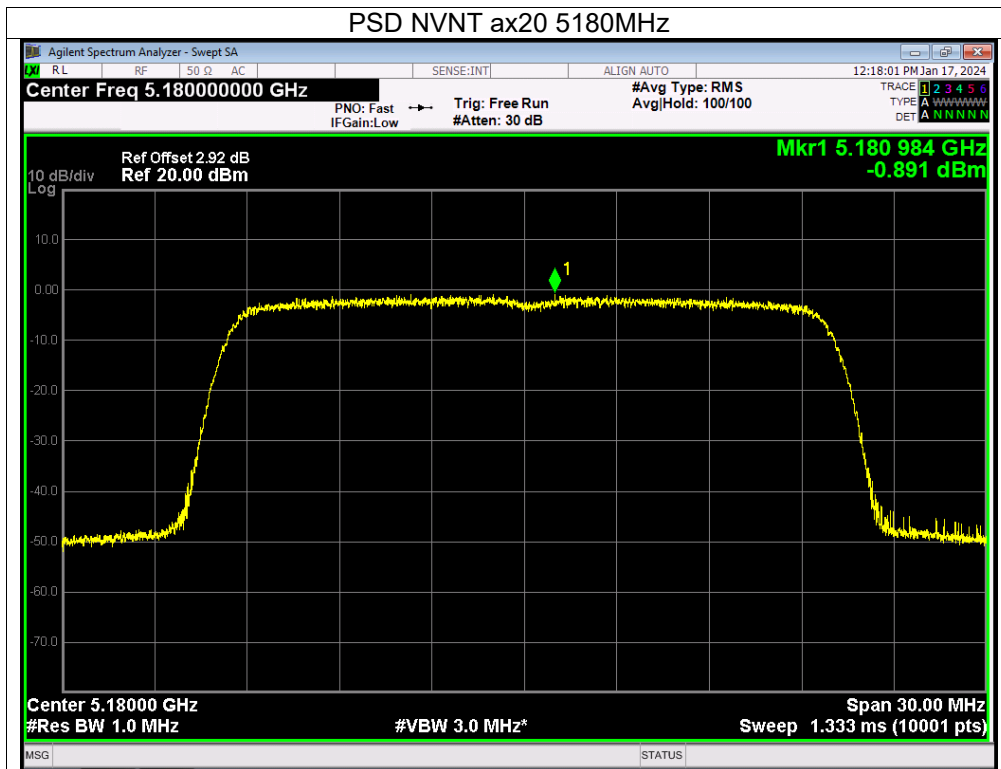


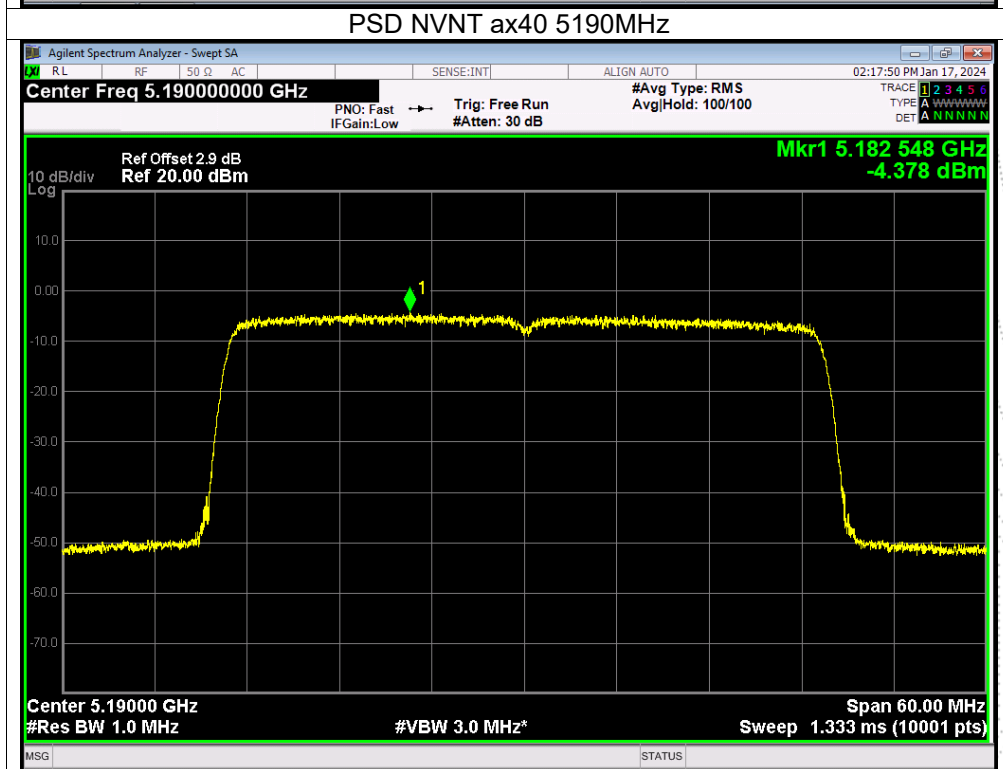
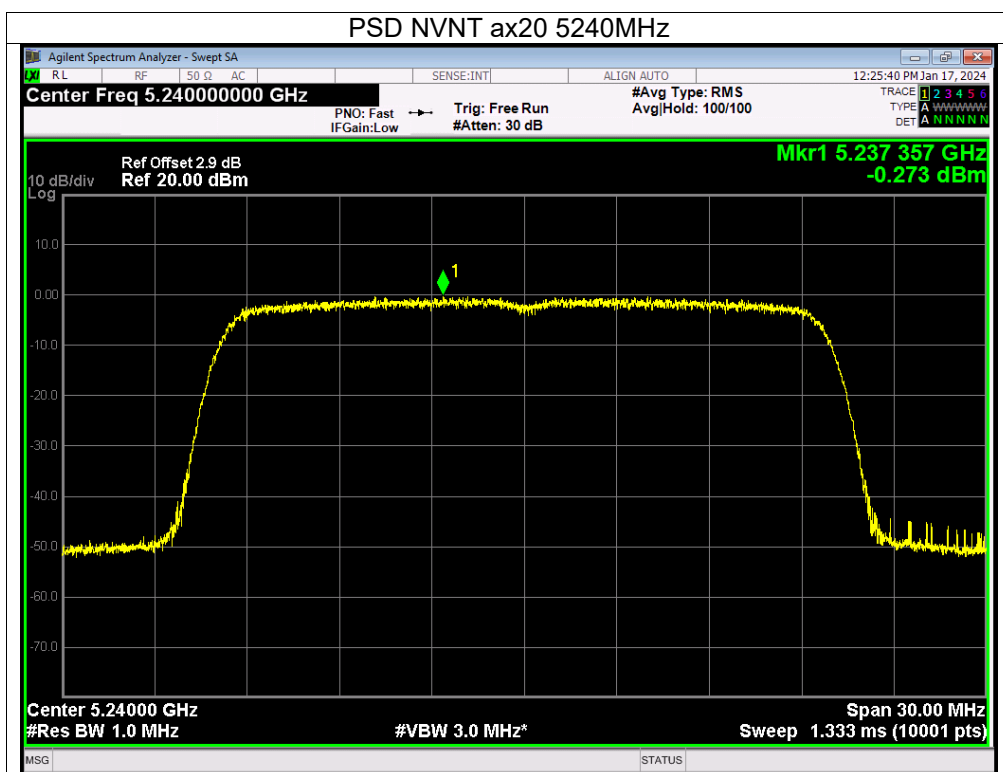


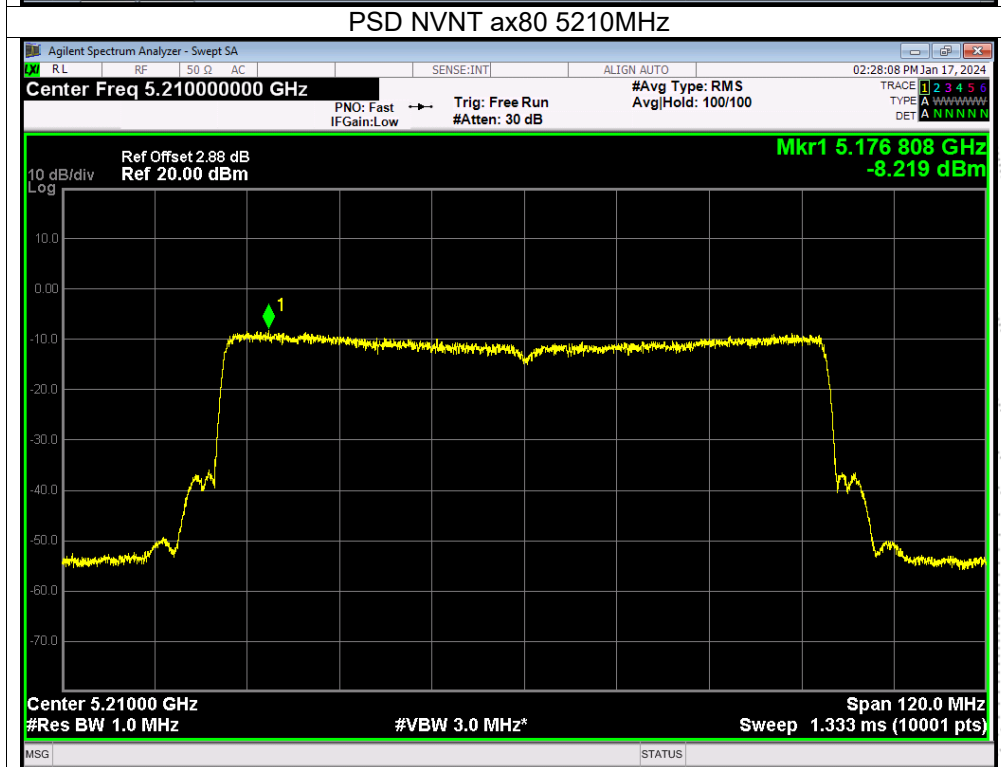
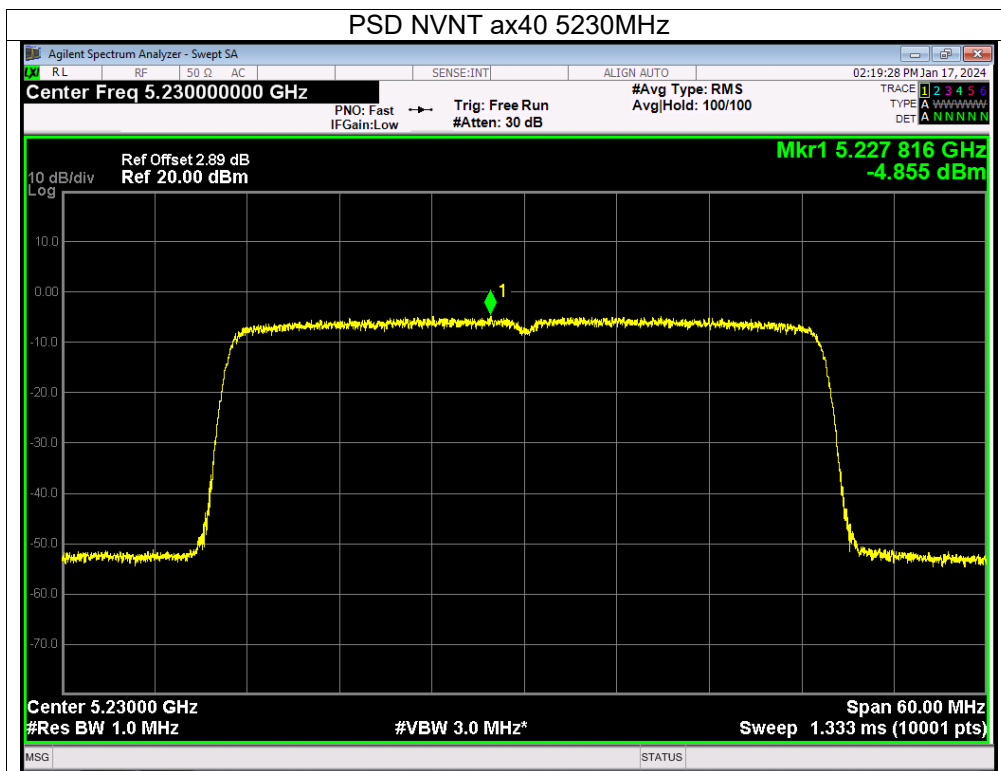








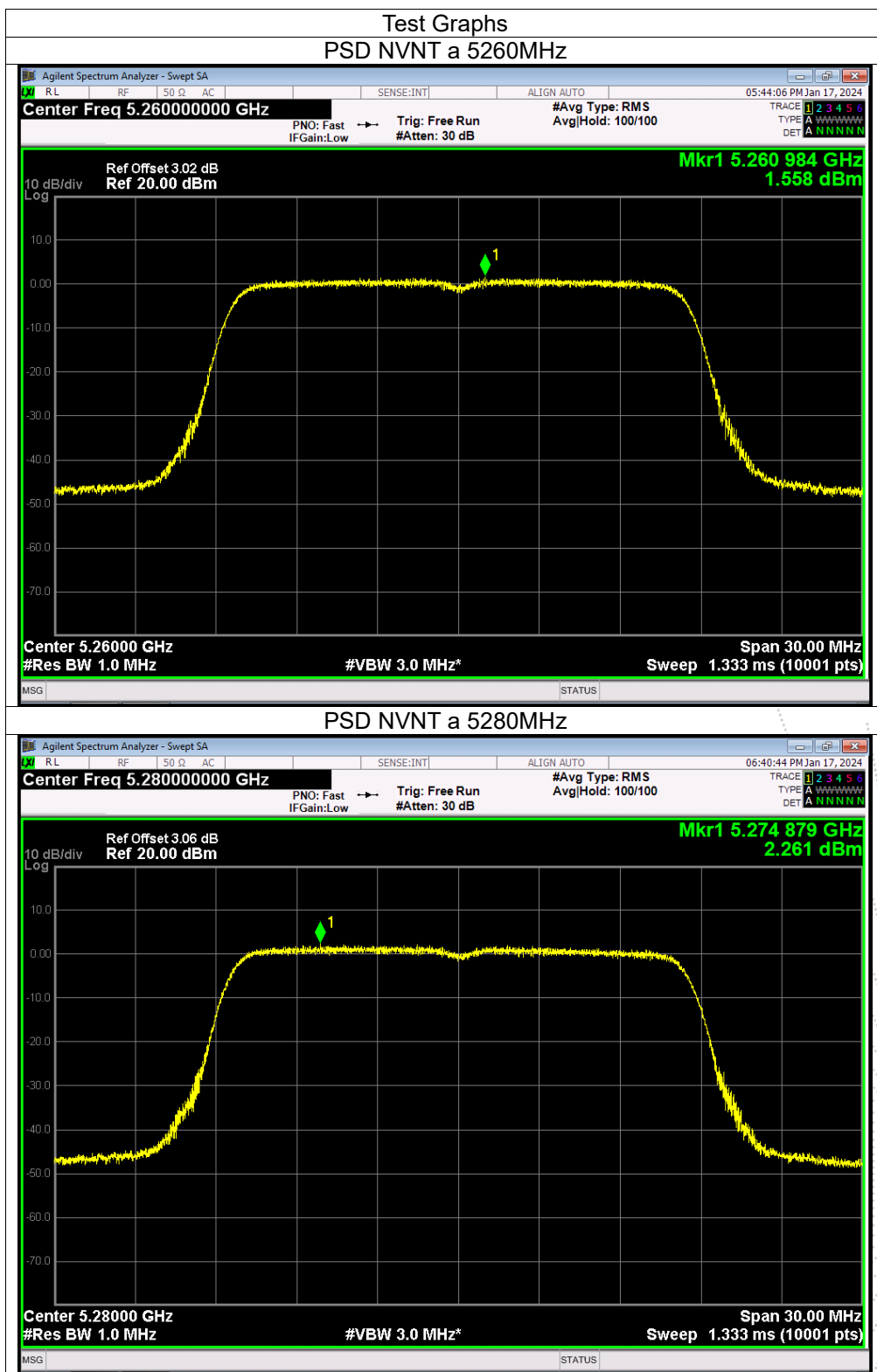


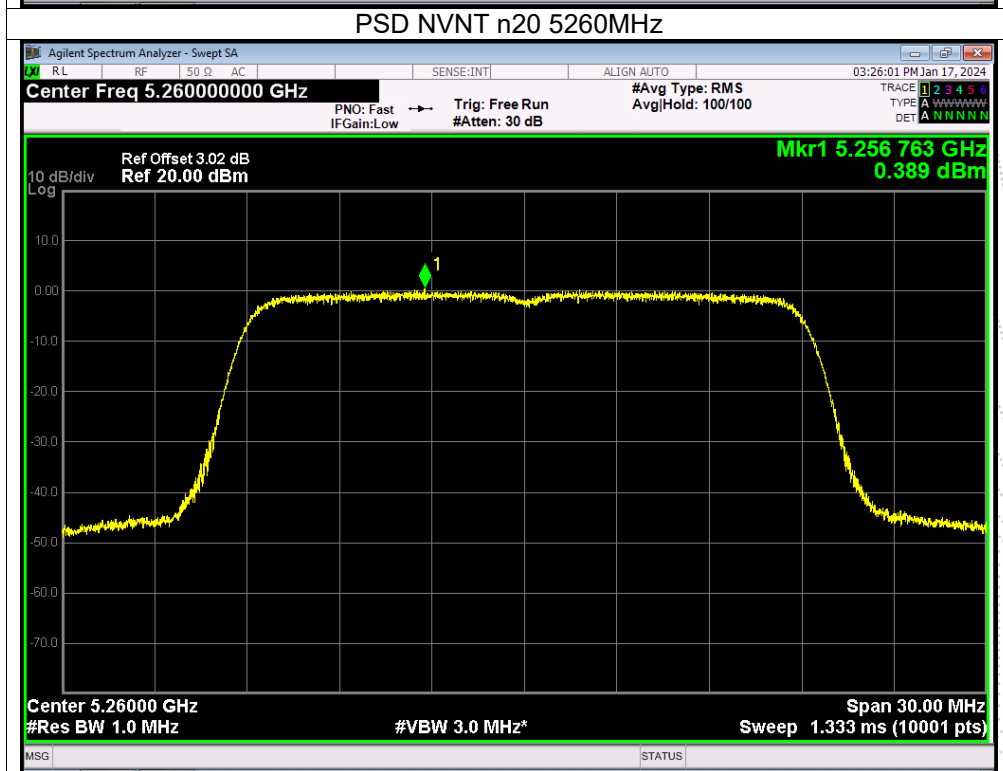
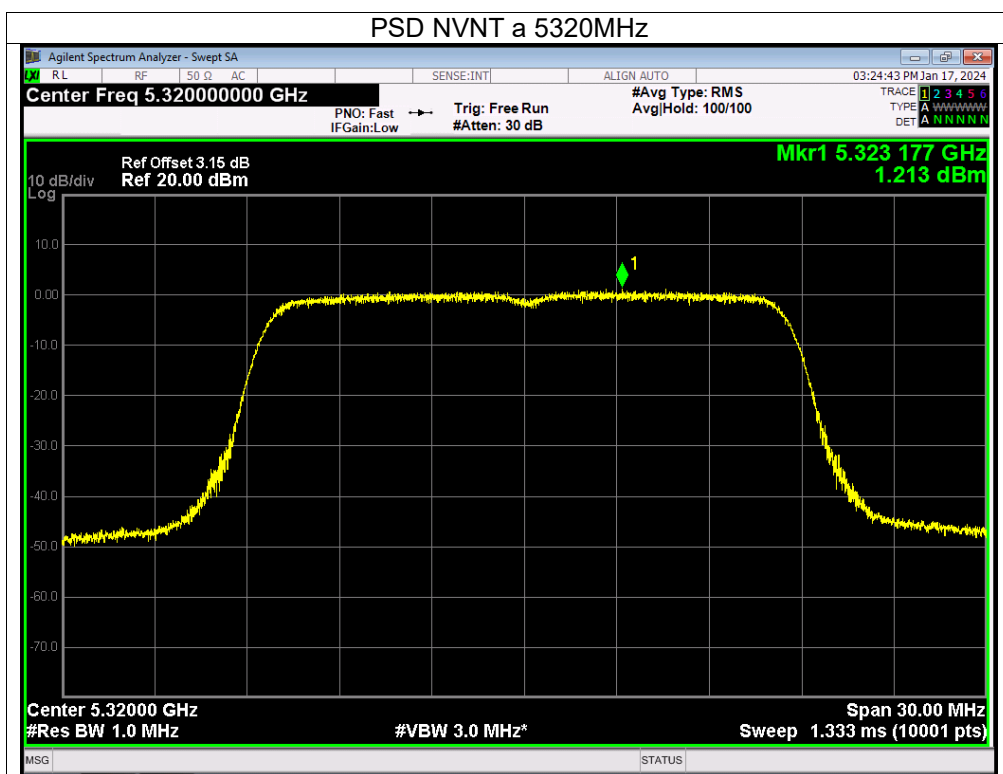


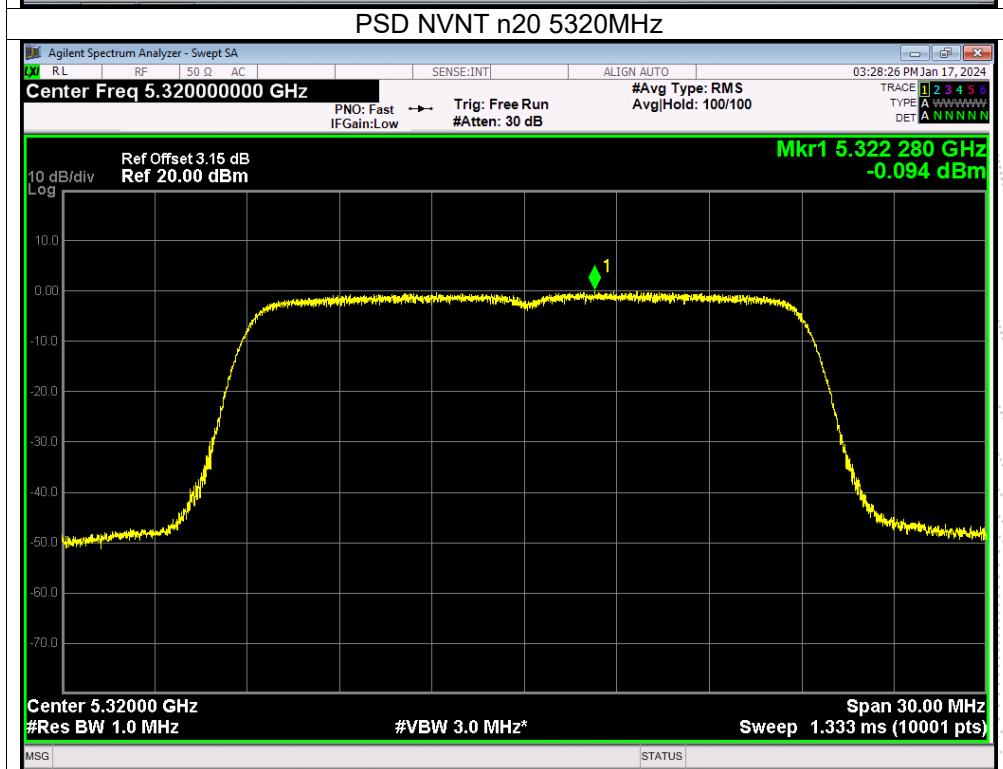
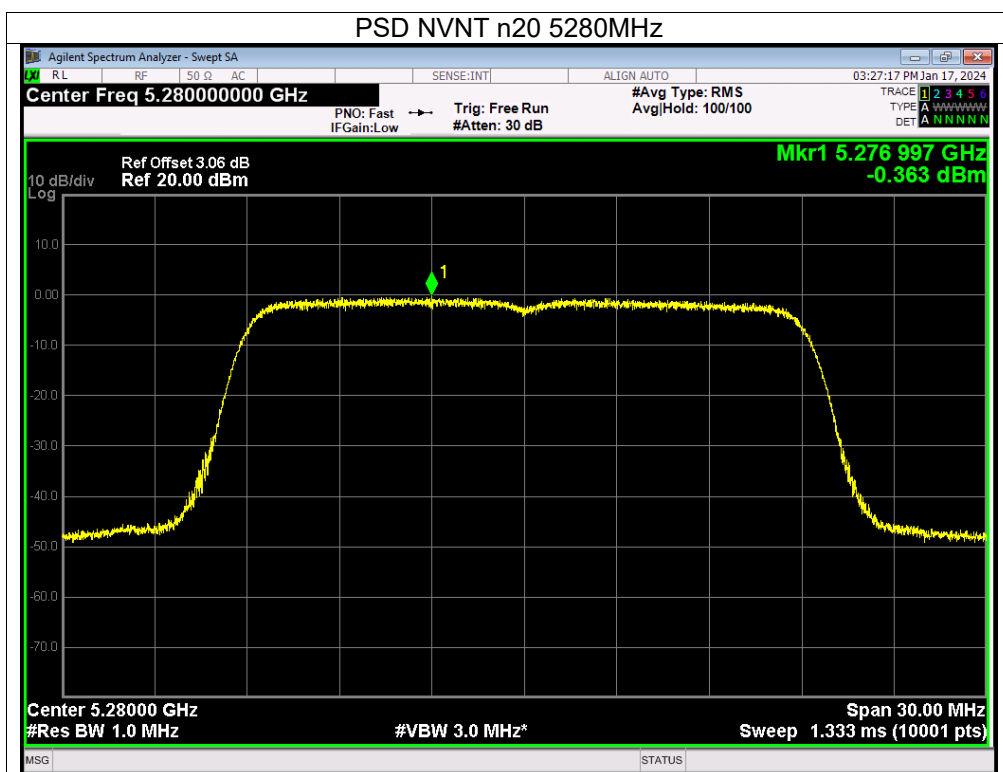
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Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5260-5320MHz)		

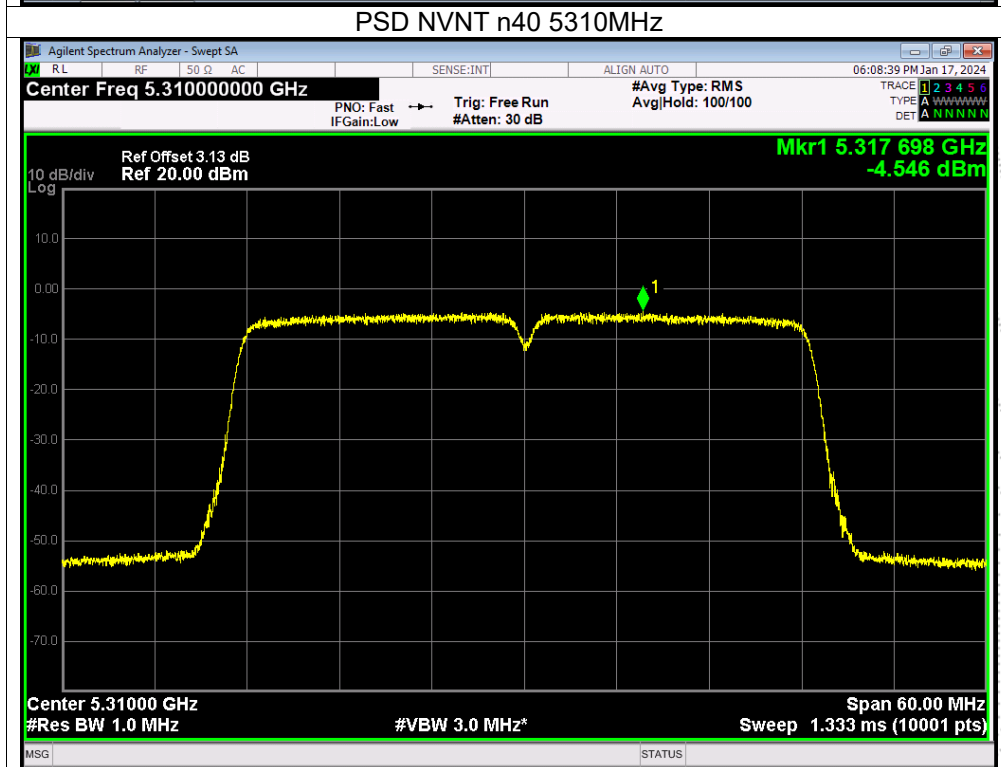
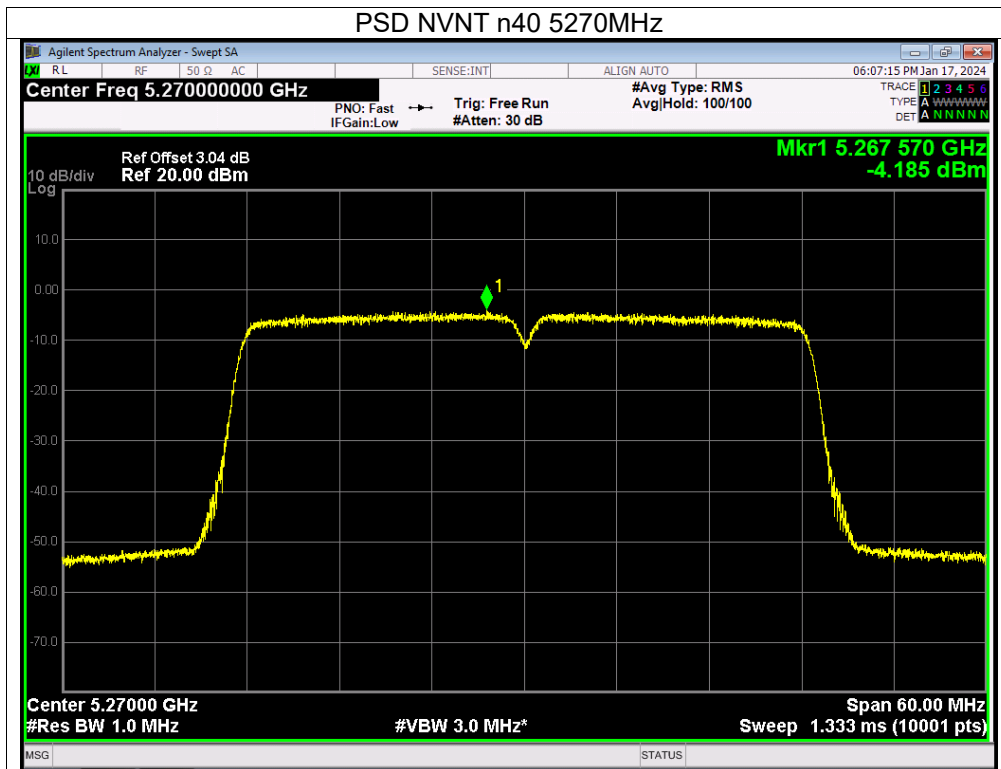
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5260	2.15	1.56	/	11	Pass
NVNT	a	5280	2.13	2.26	/	11	Pass
NVNT	a	5320	1.47	1.21	/	11	Pass
NVNT	n20	5260	-0.23	0.39	3.10	11	Pass
NVNT	n20	5280	-0.36	-0.36	2.65	11	Pass
NVNT	n20	5320	0.14	-0.09	3.04	11	Pass
NVNT	n40	5270	-4.14	-4.18	-1.15	11	Pass
NVNT	n40	5310	-4.23	-4.55	-1.38	11	Pass
NVNT	ac20	5260	-0.17	-0.11	2.87	11	Pass
NVNT	ac20	5280	-0.78	-0.1	2.58	11	Pass
NVNT	ac20	5320	-0.22	-0.51	2.65	11	Pass
NVNT	ac40	5270	-4.18	-4.3	-1.23	11	Pass
NVNT	ac40	5310	-4.54	-4.44	-1.48	11	Pass
NVNT	ac80	5290	-7.62	-8.44	-5.00	11	Pass
NVNT	ax20	5260	-0.28	-0.48	2.63	11	Pass
NVNT	ax20	5280	-1.03	-0.83	2.08	11	Pass
NVNT	ax20	5320	-0.32	-0.87	2.42	11	Pass
NVNT	ax40	5270	-4.16	-4.53	-1.33	11	Pass
NVNT	ax40	5310	-4.43	-4.77	-1.59	11	Pass
NVNT	ax80	5290	-8.37	-8.39	-5.37	11	Pass

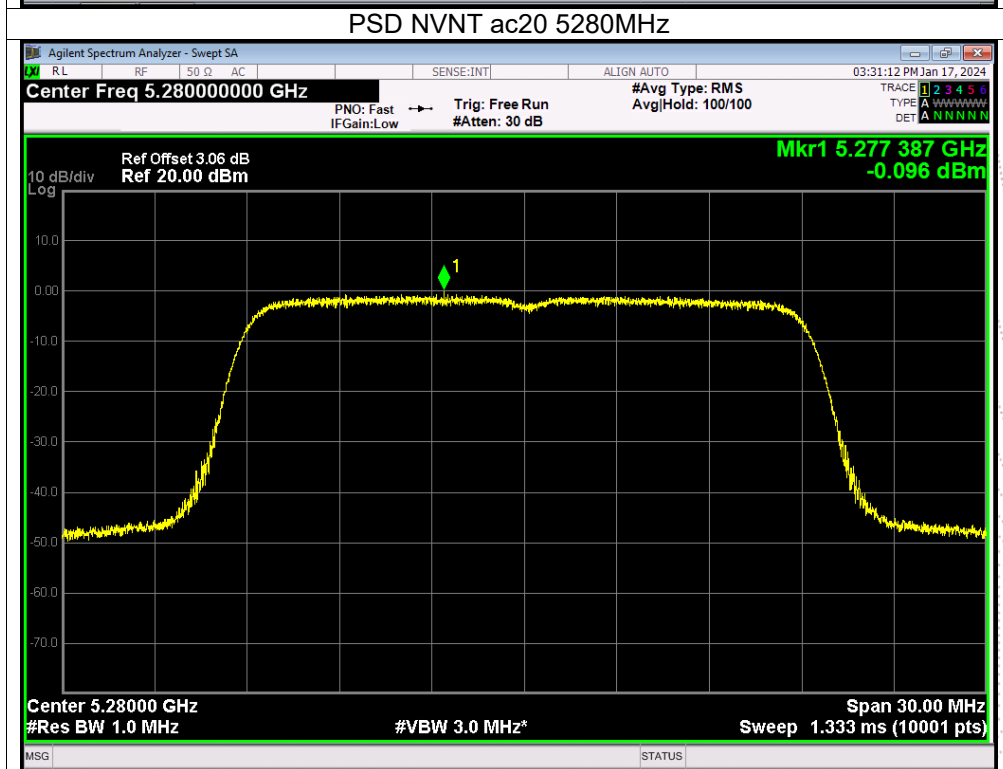
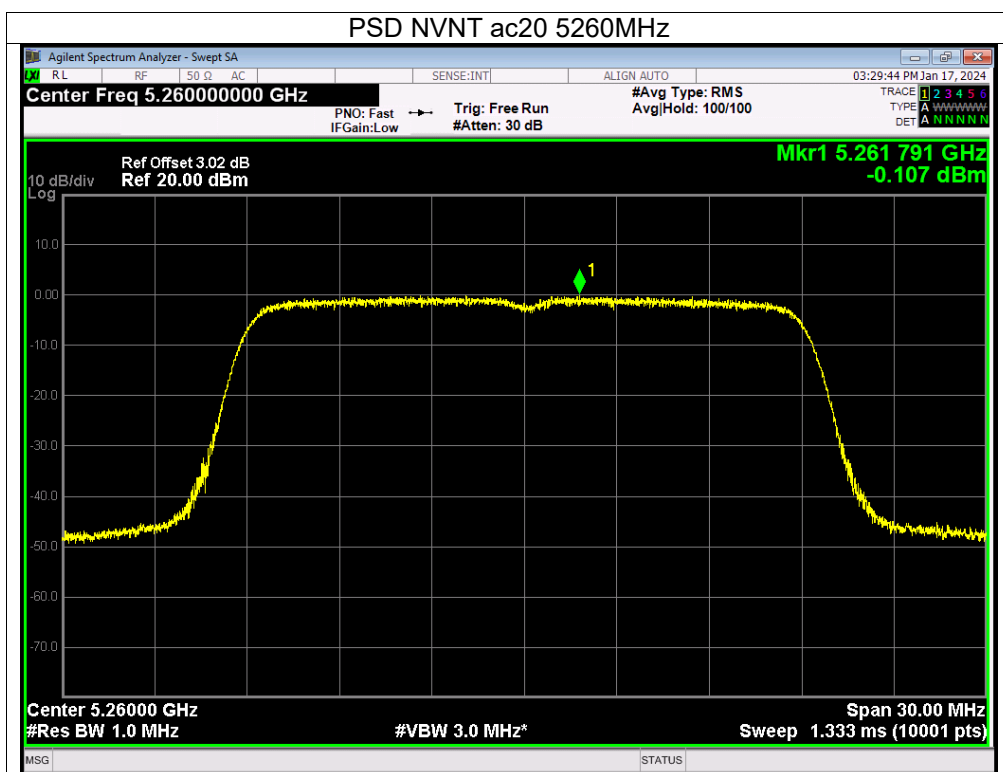
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

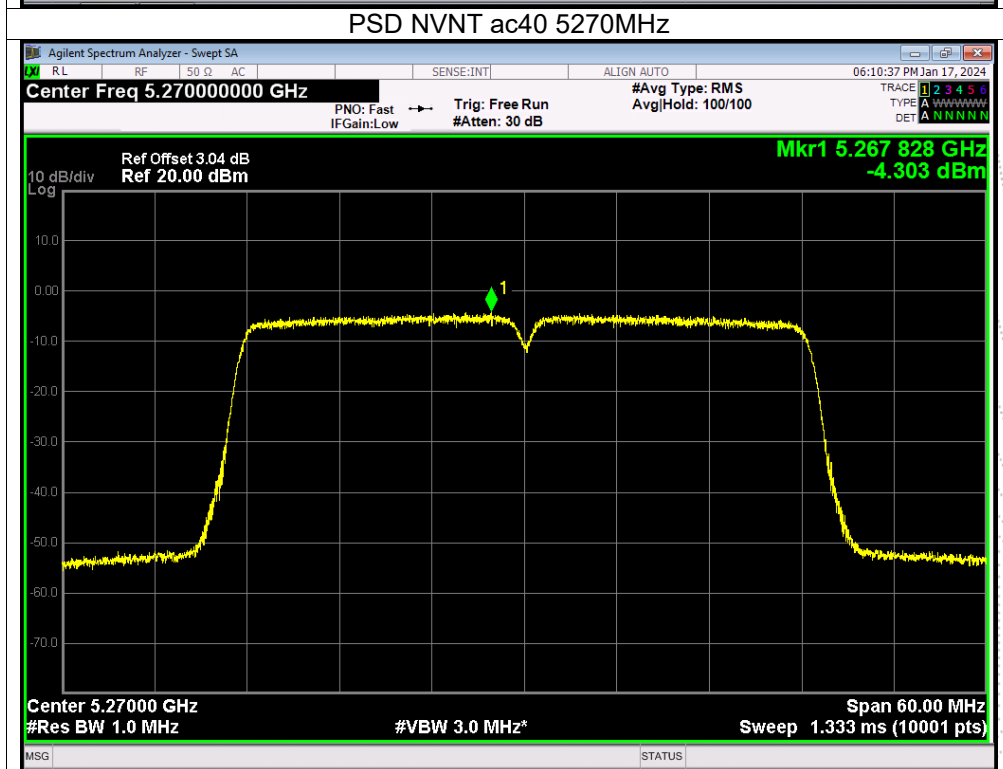
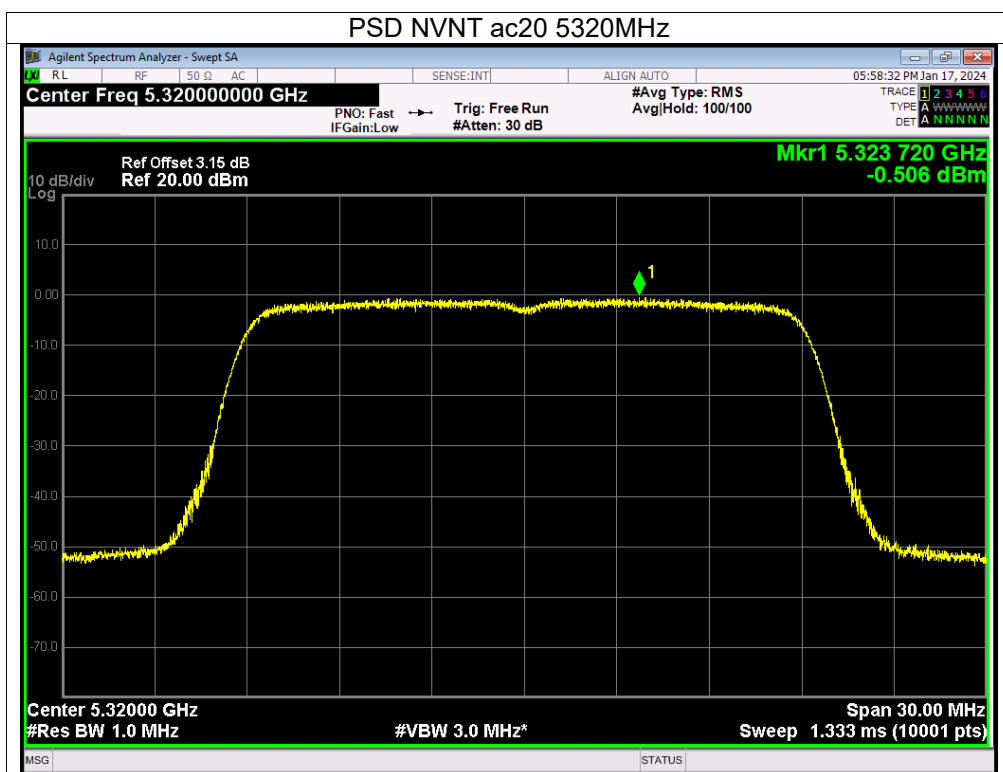


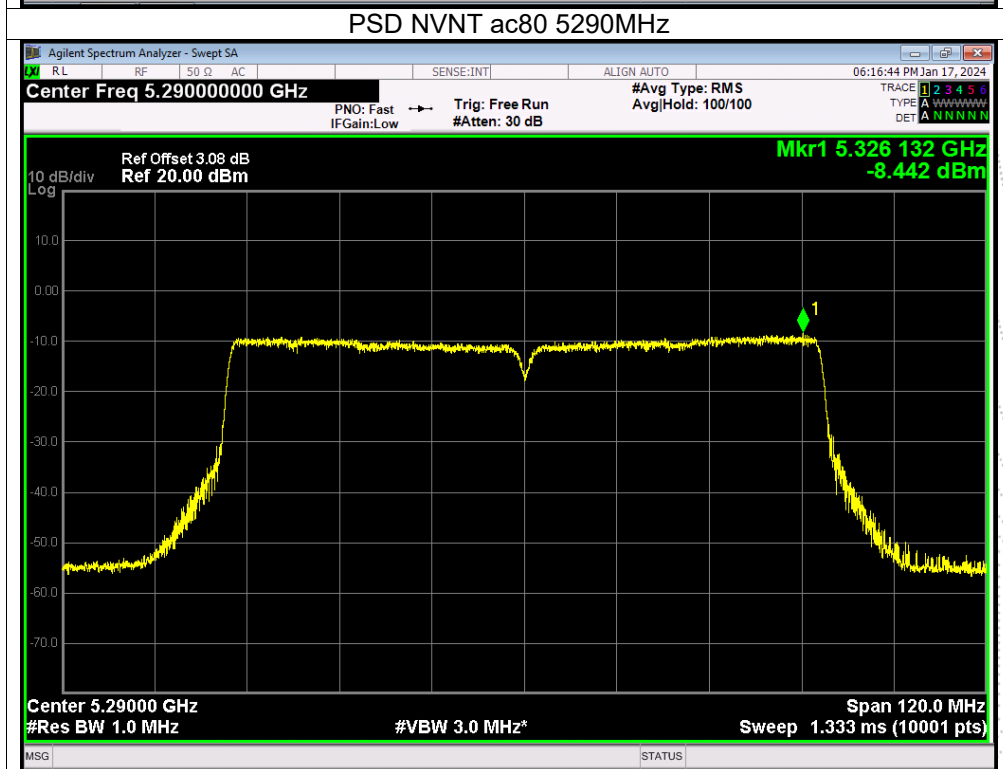
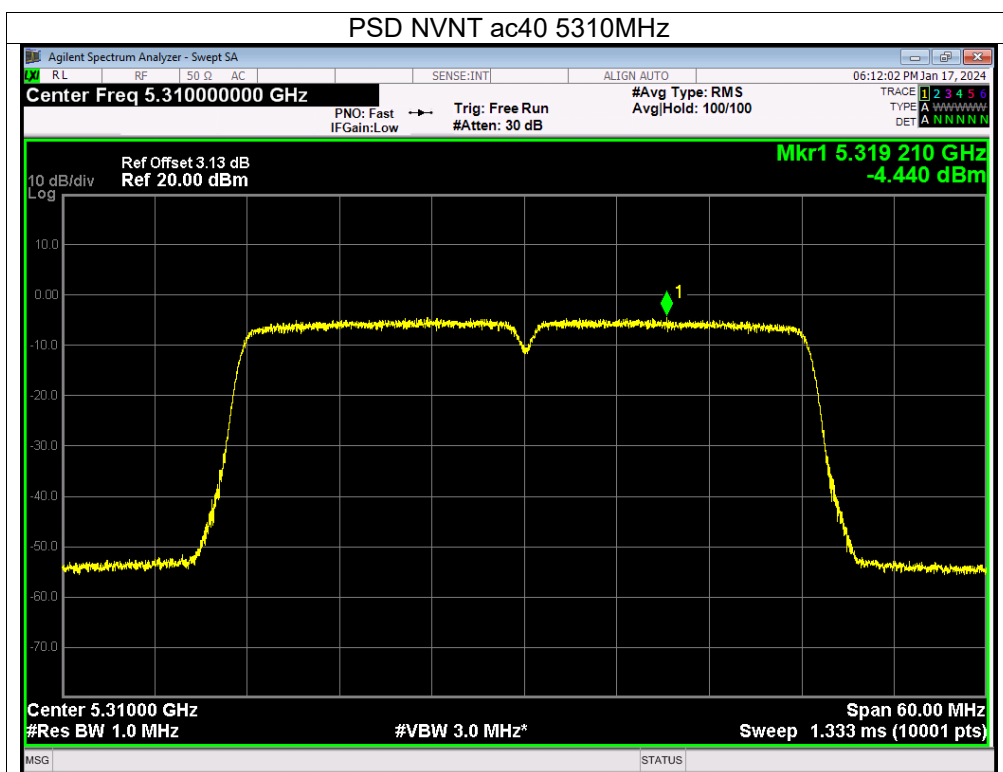


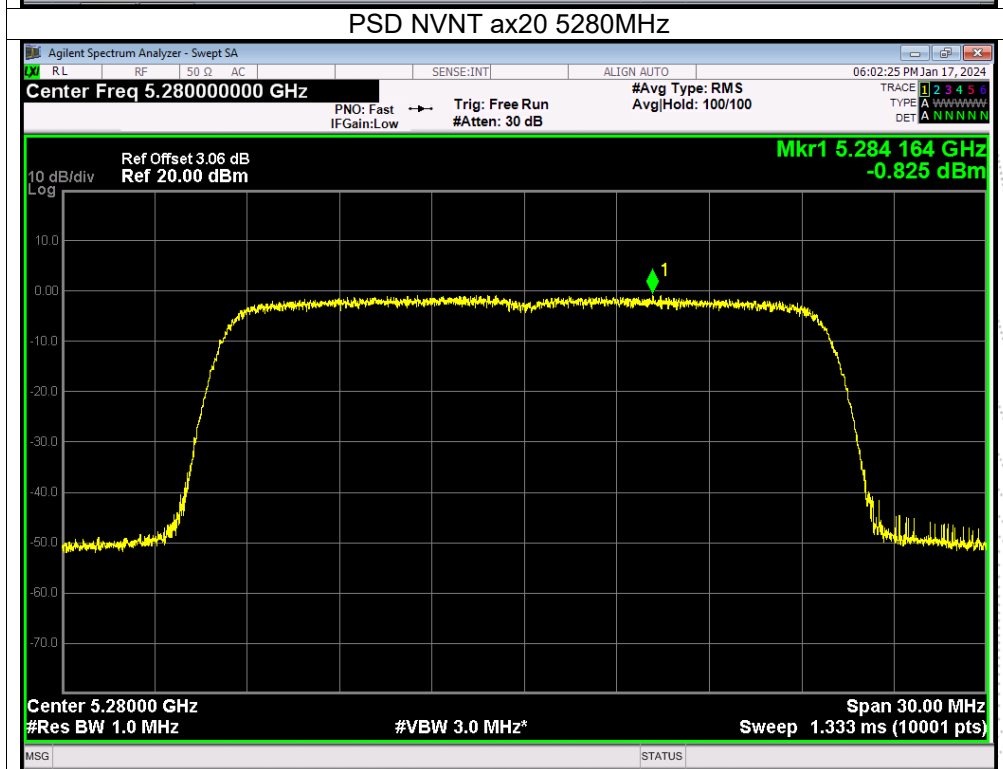
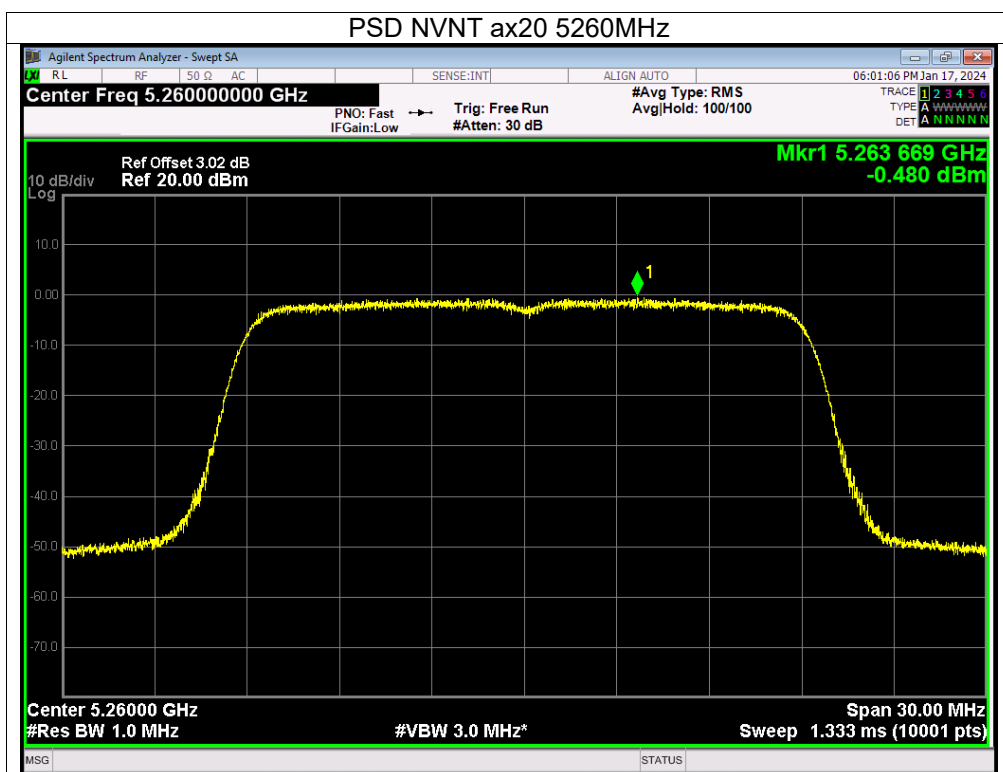


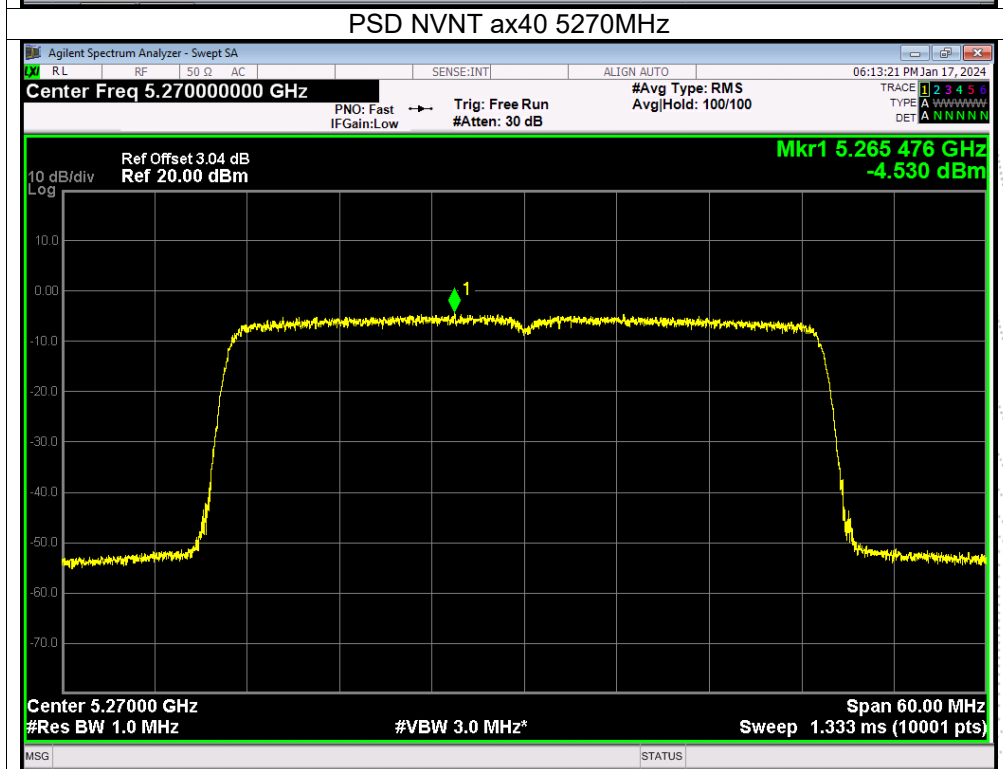
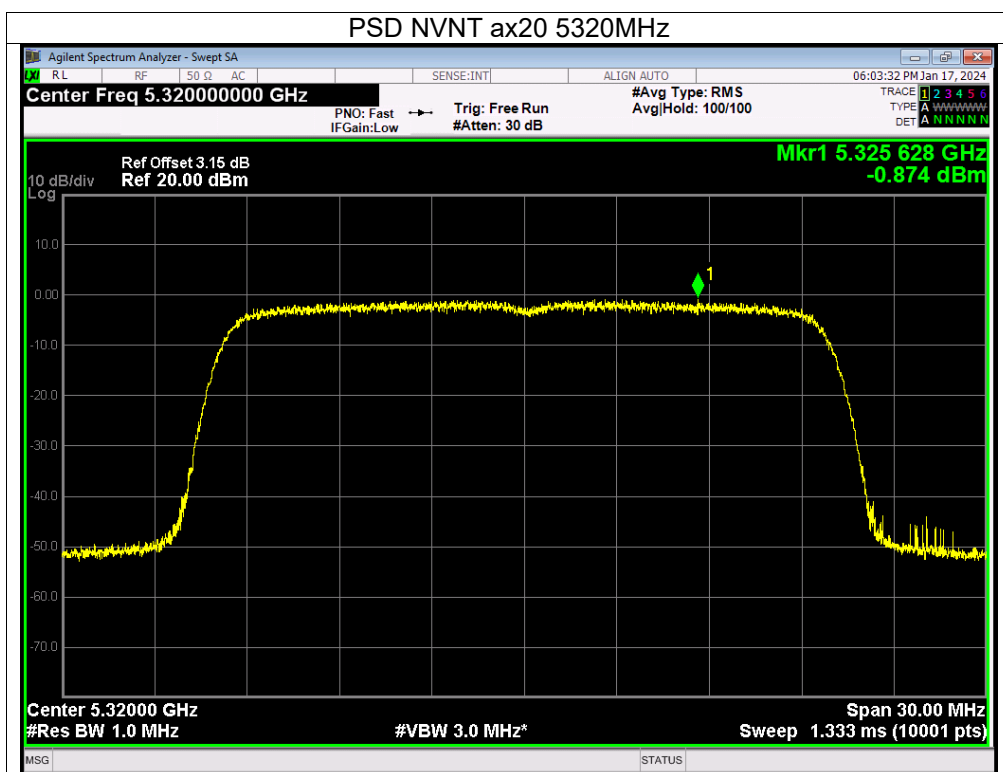


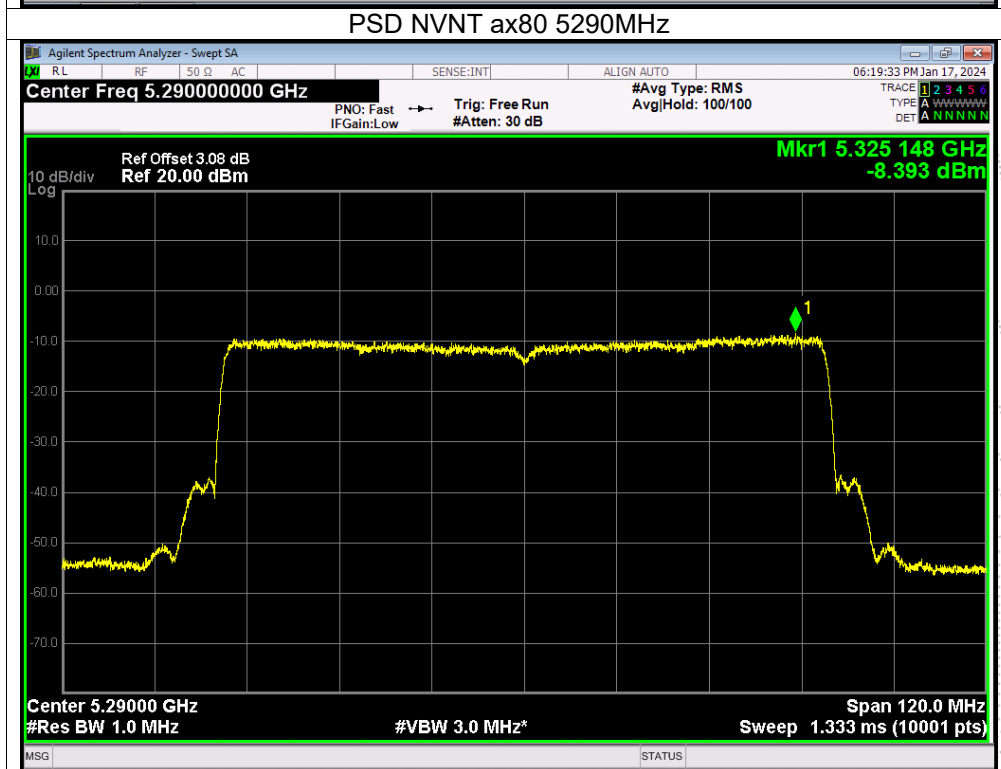
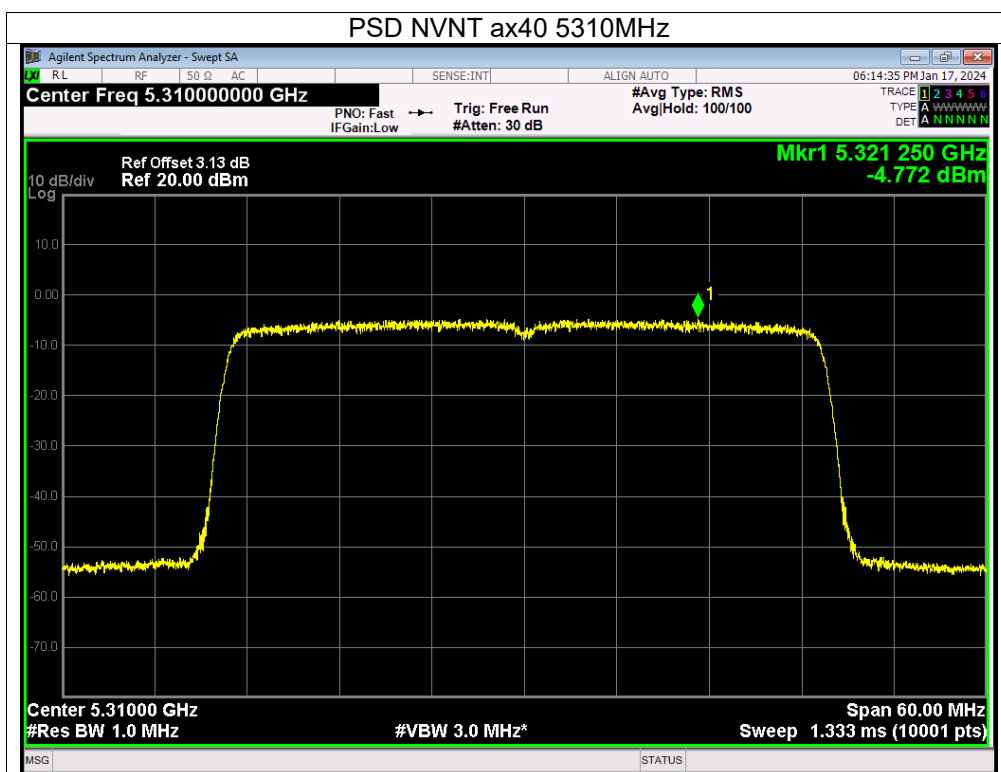








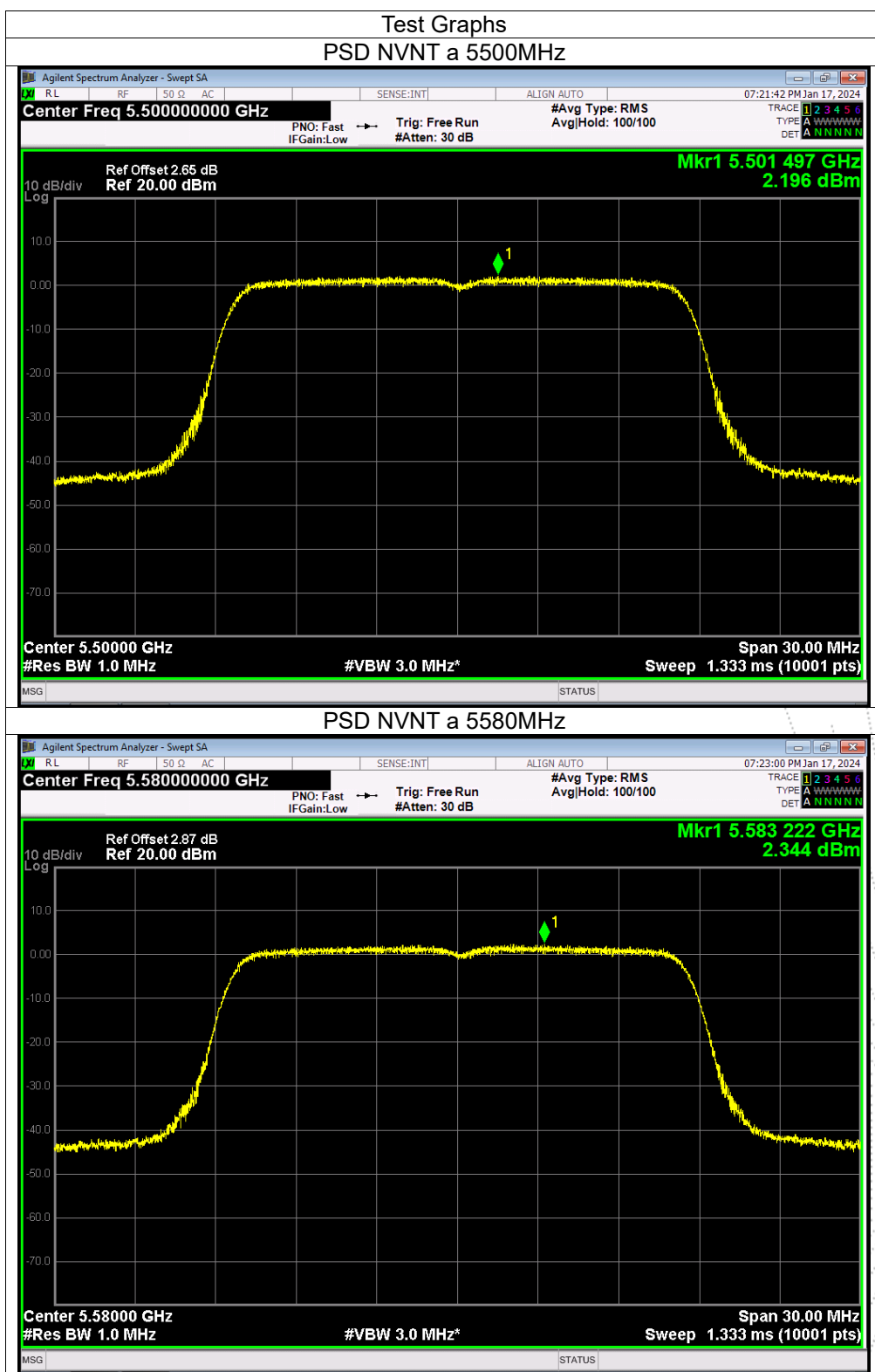


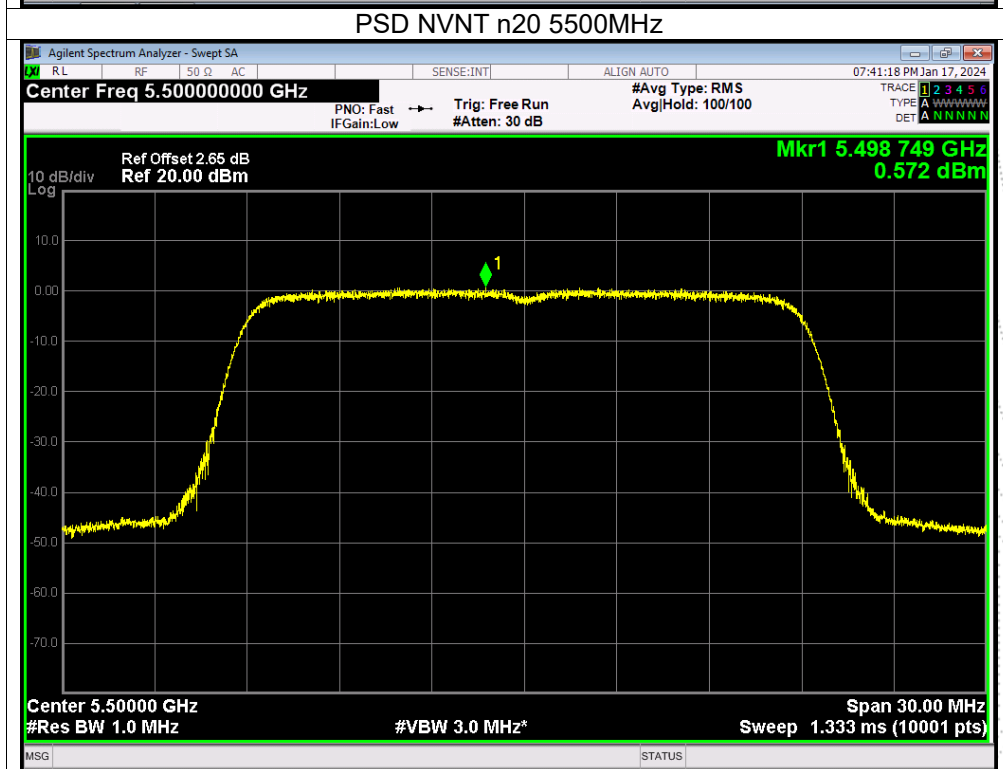
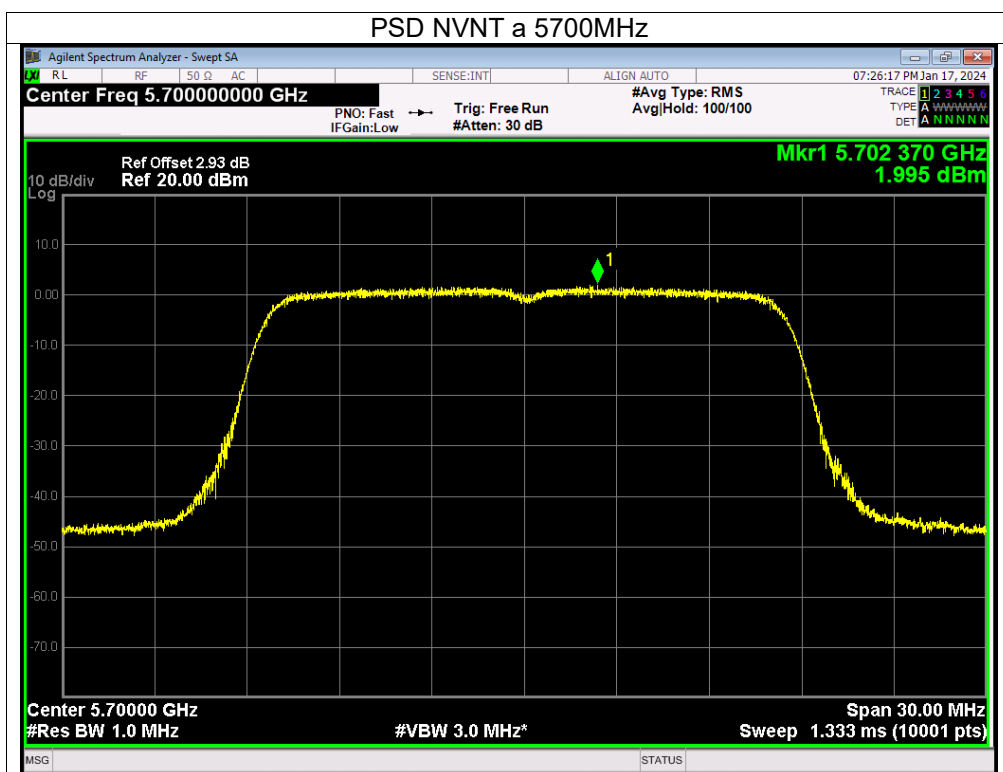


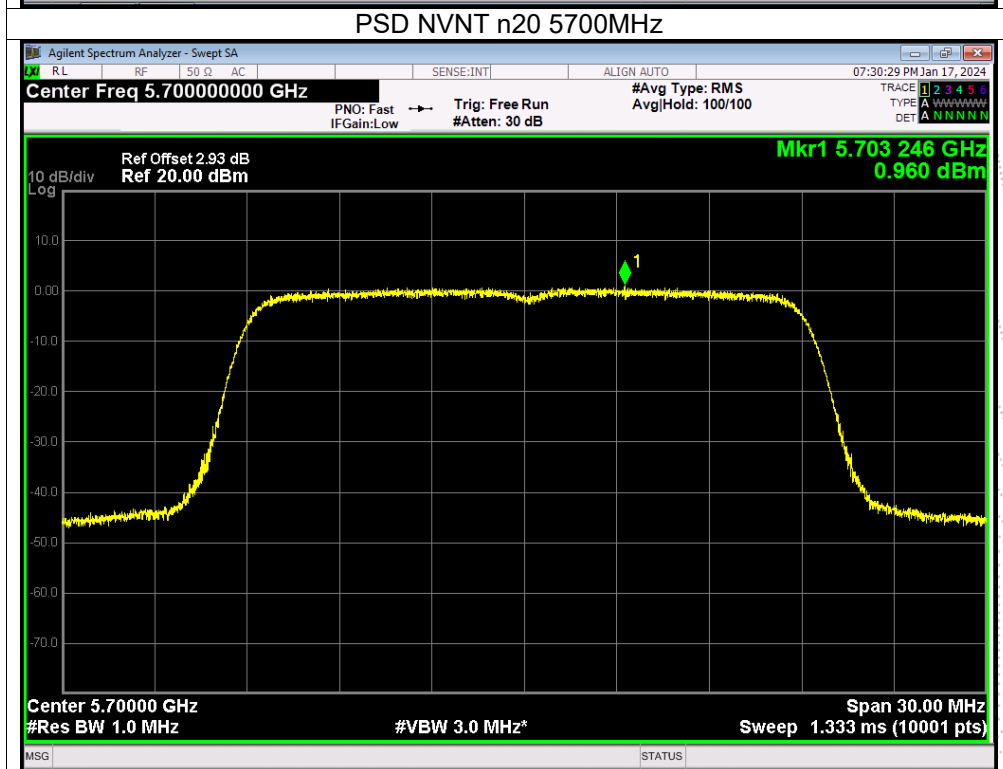
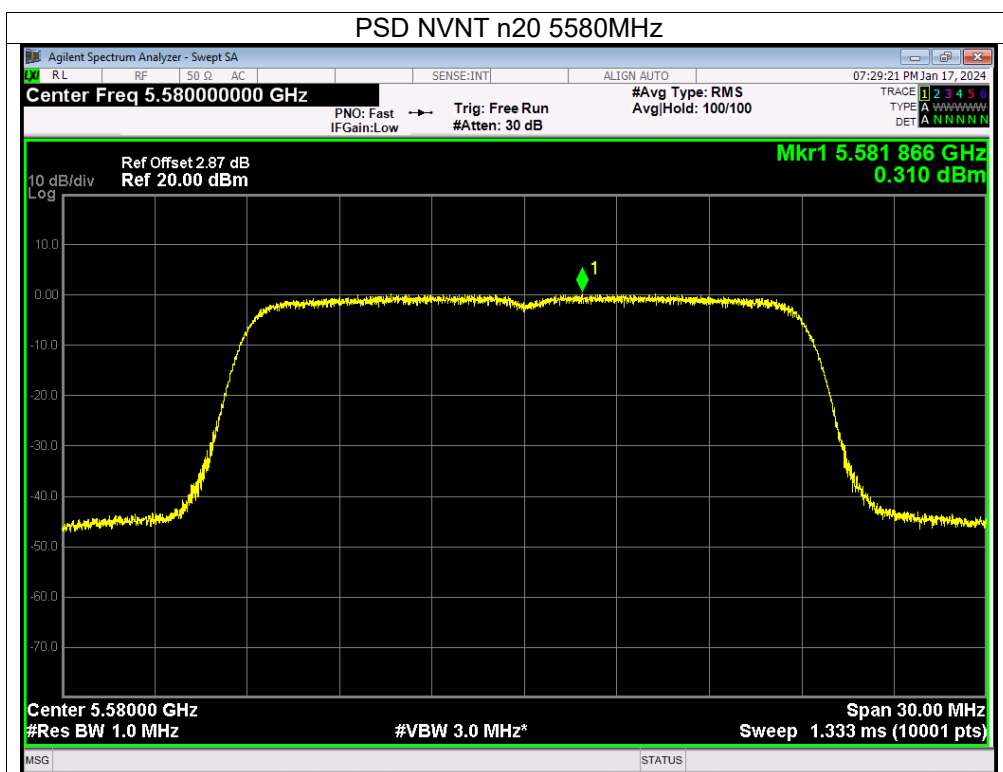
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5500-5700MHz)		

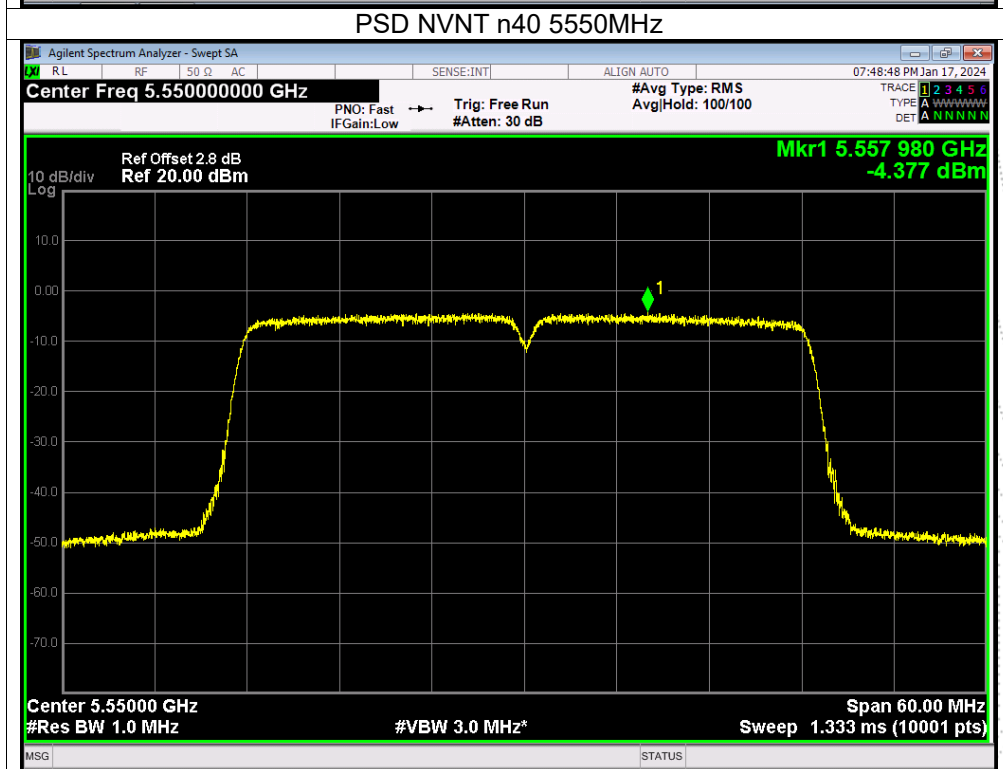
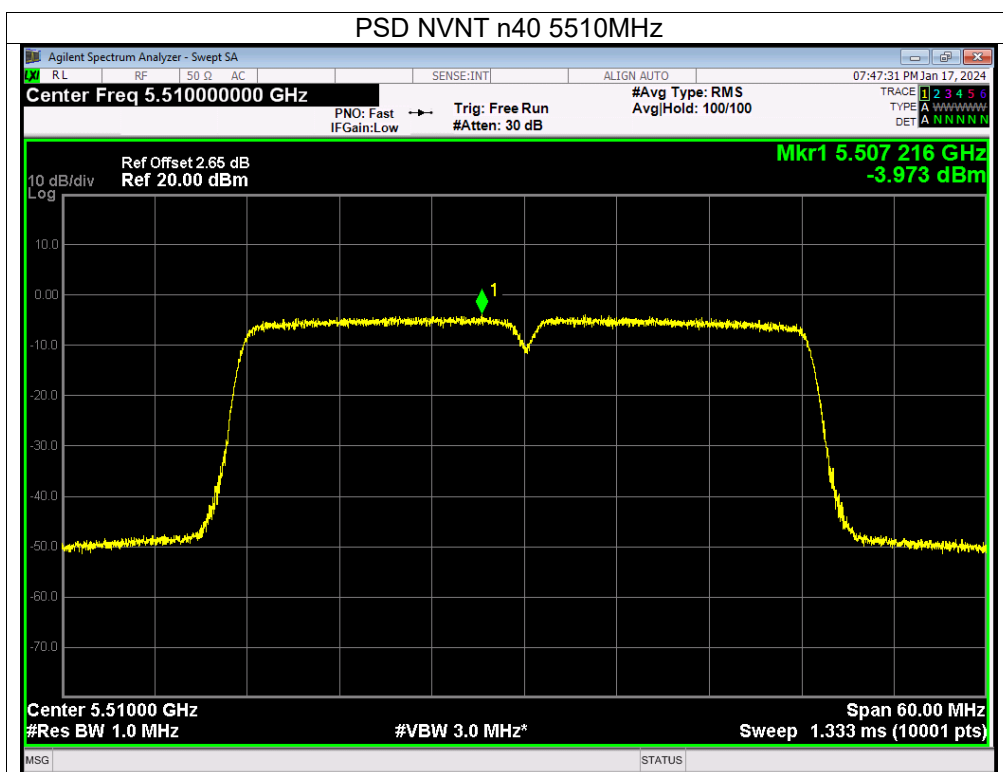
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5500	1.11	2.2	/	11	Pass
NVNT	a	5580	0.73	2.34	/	11	Pass
NVNT	a	5700	0.34	2	/	11	Pass
NVNT	n20	5500	0.7	0.57	3.65	11	Pass
NVNT	n20	5580	0.09	0.31	3.21	11	Pass
NVNT	n20	5700	-0.34	0.96	3.37	11	Pass
NVNT	n40	5510	-4.37	-3.97	-1.16	11	Pass
NVNT	n40	5550	-4.06	-4.38	-1.21	11	Pass
NVNT	n40	5670	-4.39	-3.05	-0.66	11	Pass
NVNT	ac20	5500	0.6	0.01	3.33	11	Pass
NVNT	ac20	5580	-0.07	0.17	3.06	11	Pass
NVNT	ac20	5700	-0.4	0.96	3.34	11	Pass
NVNT	ac40	5510	-3.82	-3.89	-0.84	11	Pass
NVNT	ac40	5550	-4.29	-4.44	-1.35	11	Pass
NVNT	ac40	5670	-4.25	-3.32	-0.75	11	Pass
NVNT	ac80	5530	-7.87	-7.44	-4.64	11	Pass
NVNT	ax20	5500	0.3	0.06	3.19	11	Pass
NVNT	ax20	5580	-0.71	-0.57	2.37	11	Pass
NVNT	ax20	5700	-0.33	-0.09	2.80	11	Pass
NVNT	ax40	5510	-4.2	-4.33	-1.25	11	Pass
NVNT	ax40	5550	-4.06	-4.64	-1.33	11	Pass
NVNT	ax40	5670	-4.77	-2.98	-0.77	11	Pass
NVNT	ax80	5530	-8.34	-7.61	-4.95	11	Pass

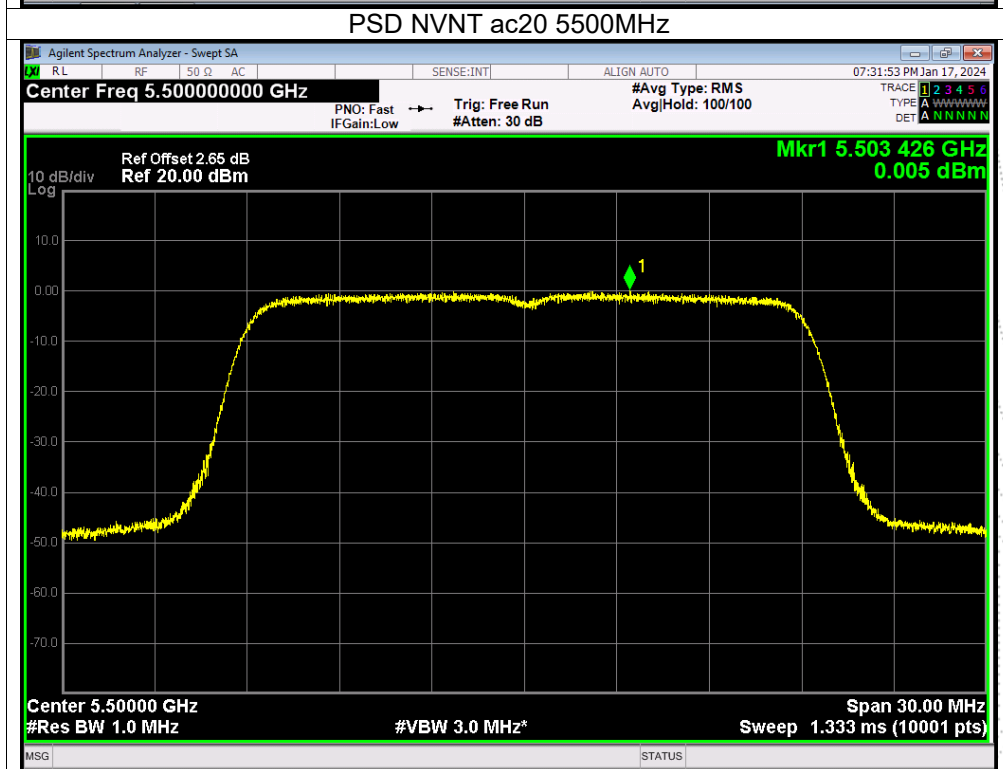
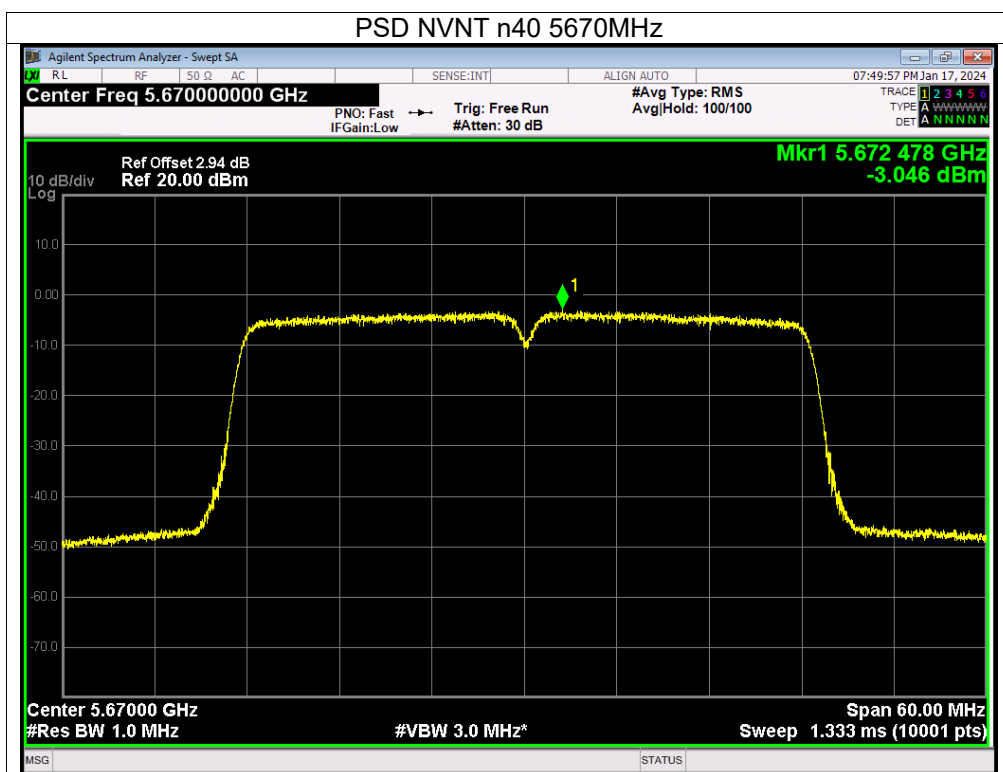
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot. Note:

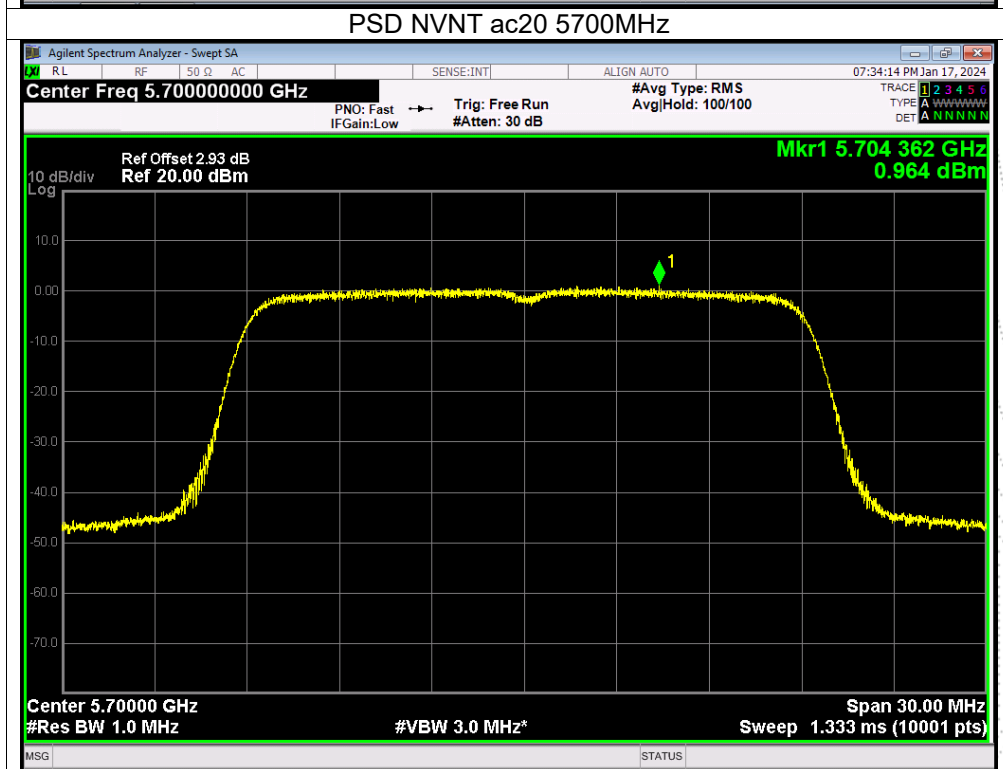
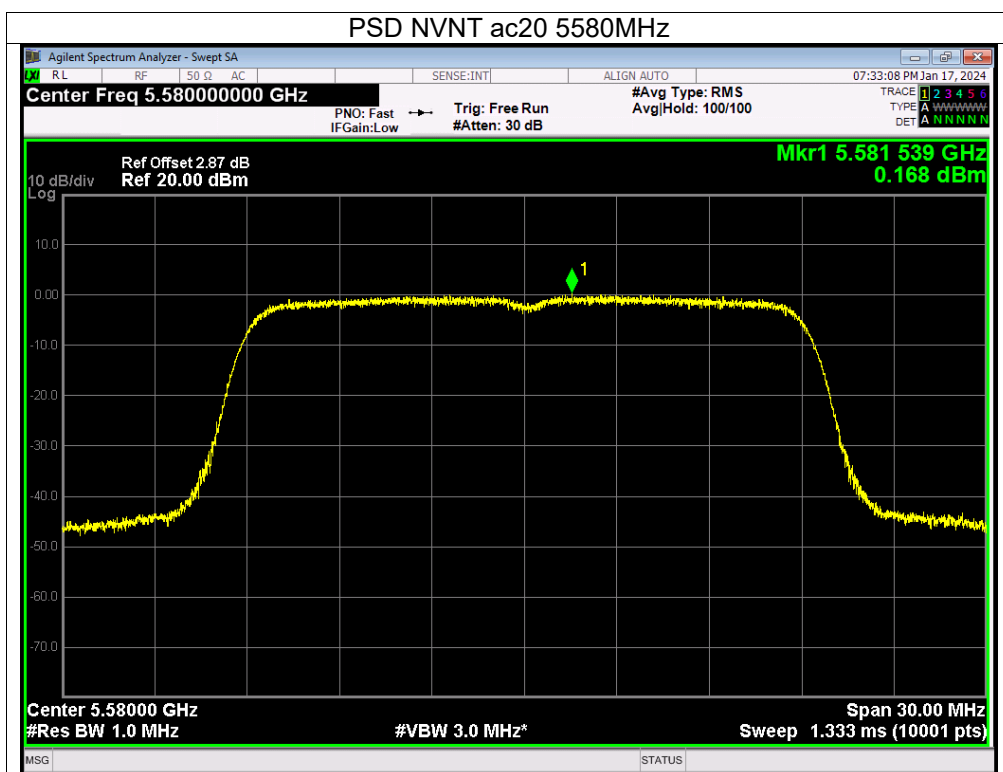


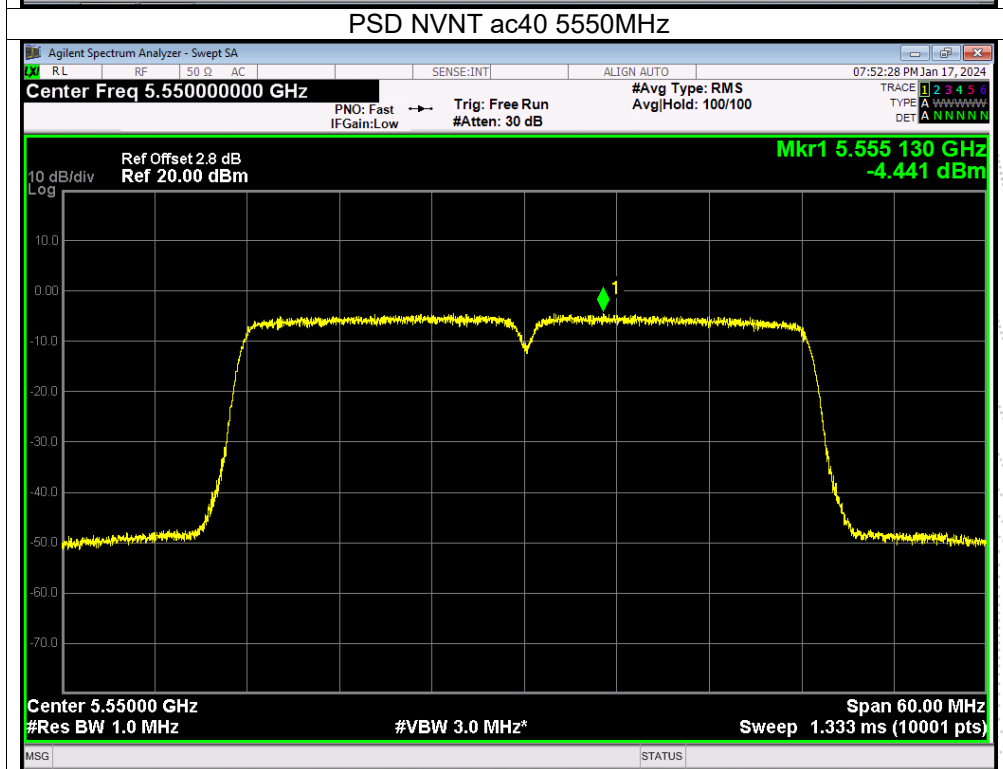
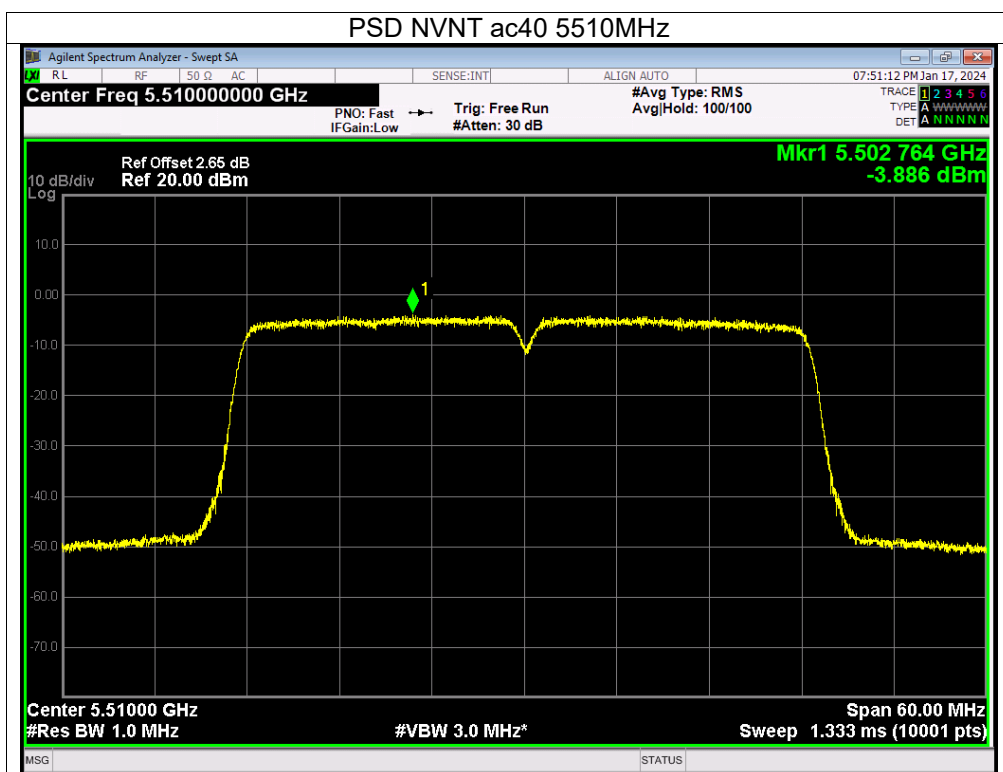


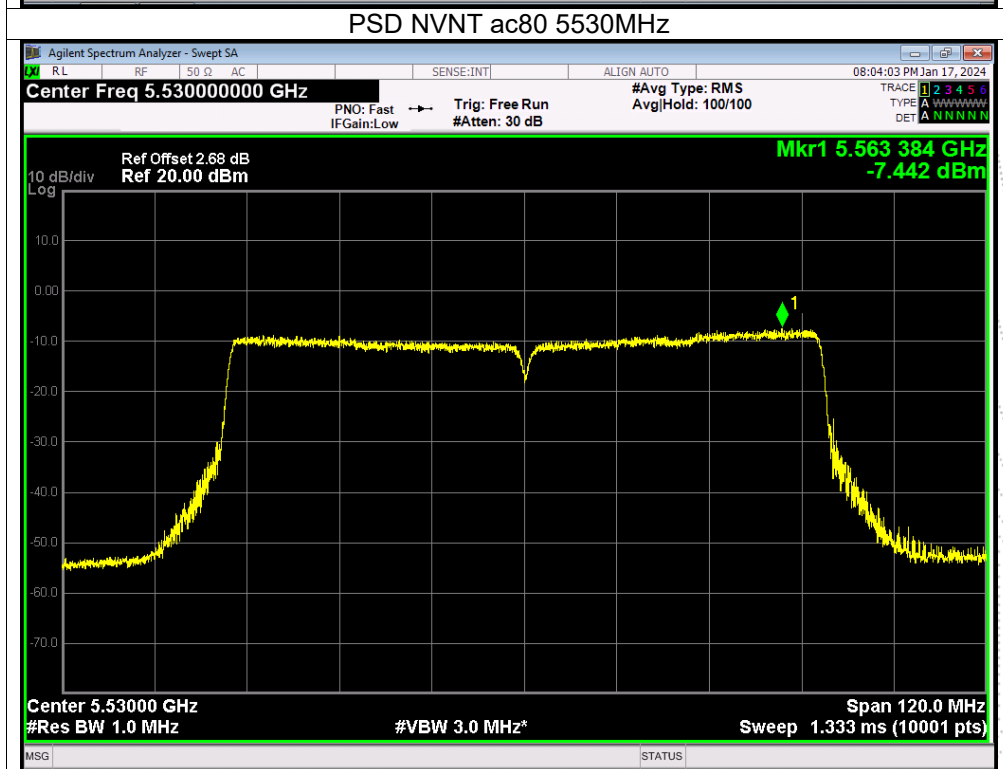
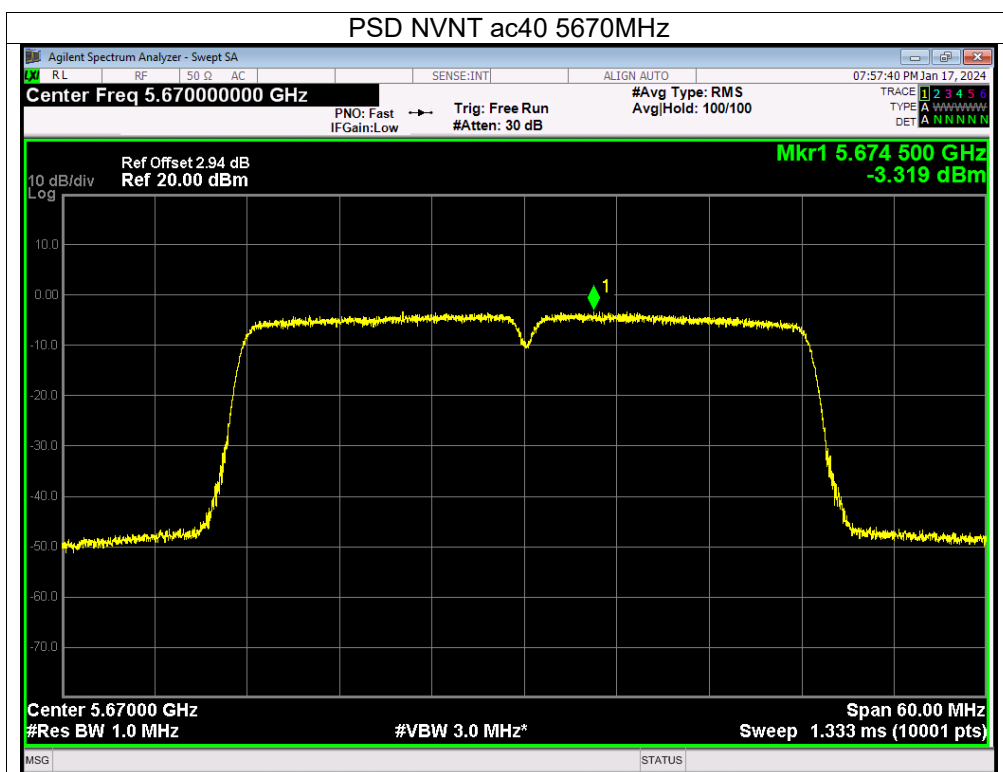


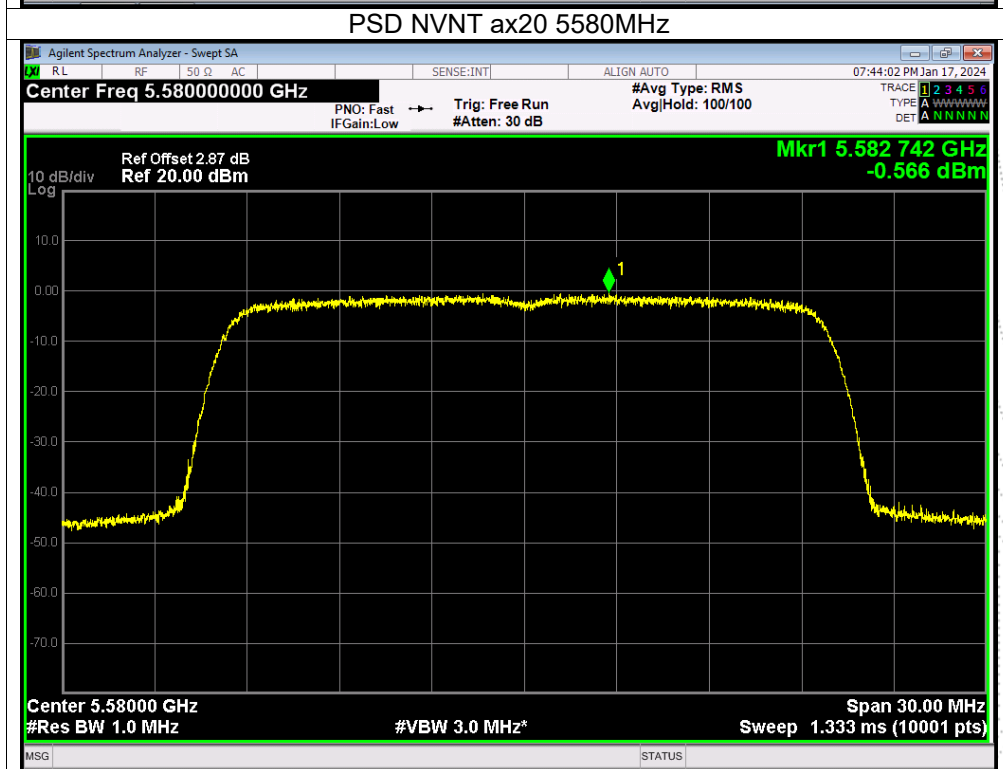
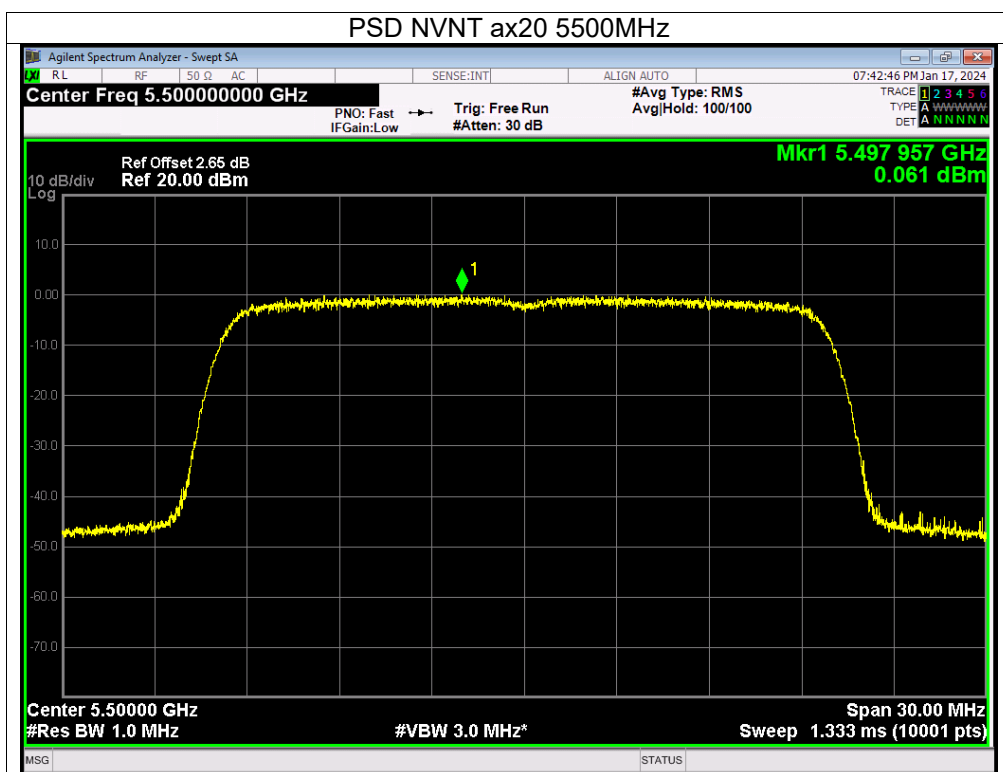


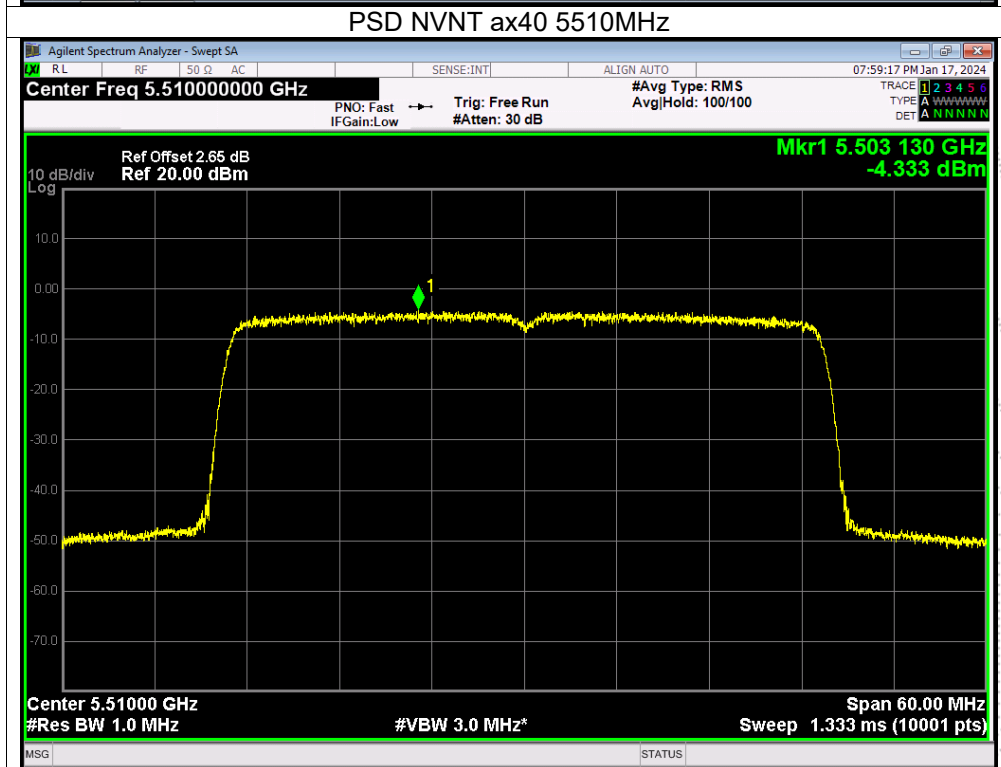
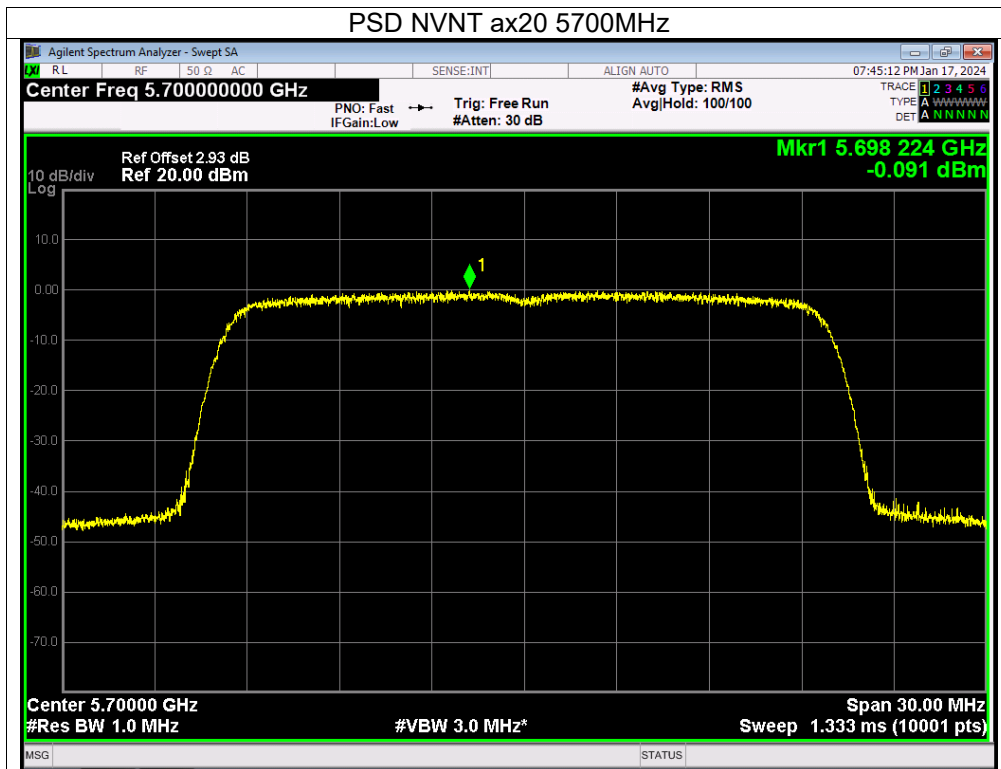


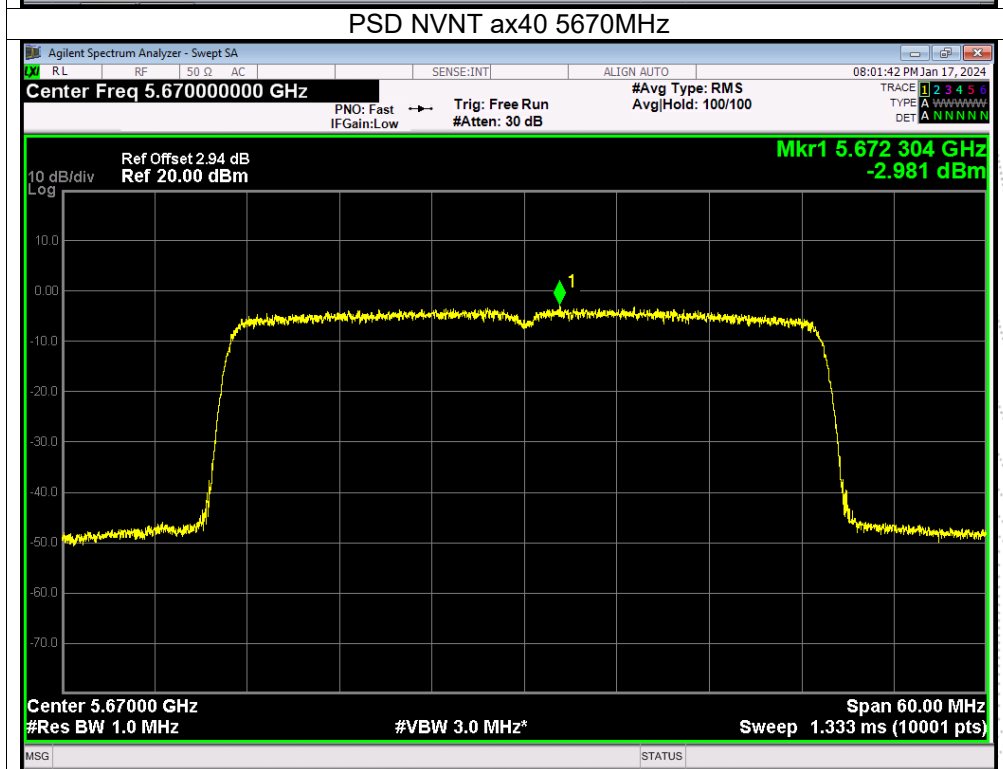
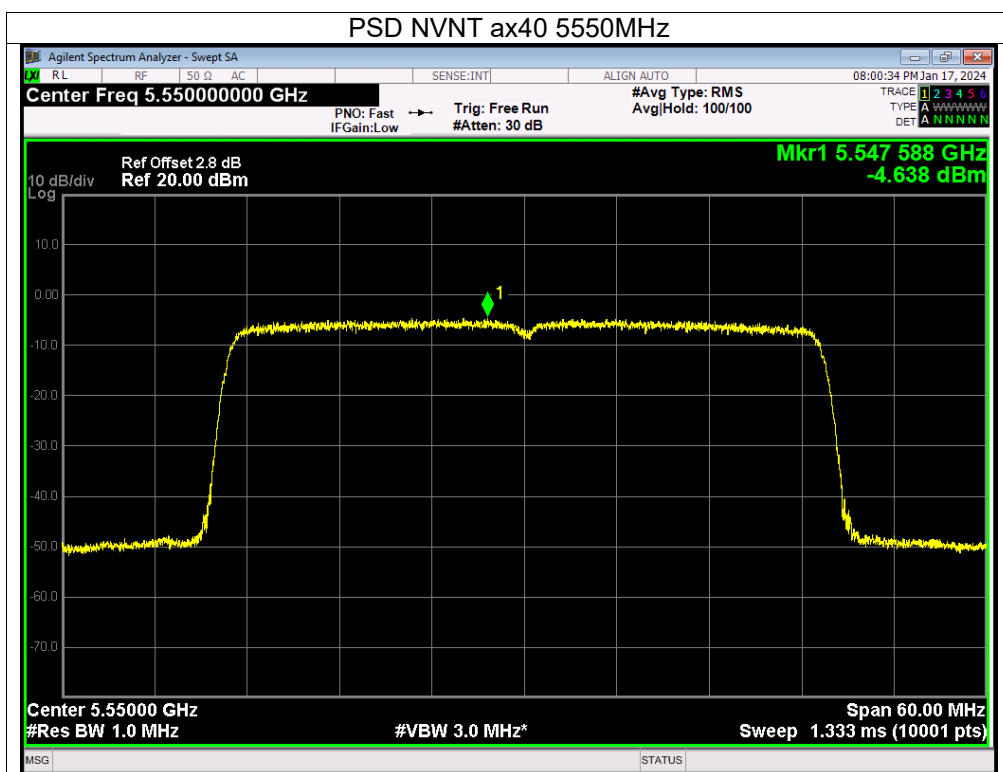


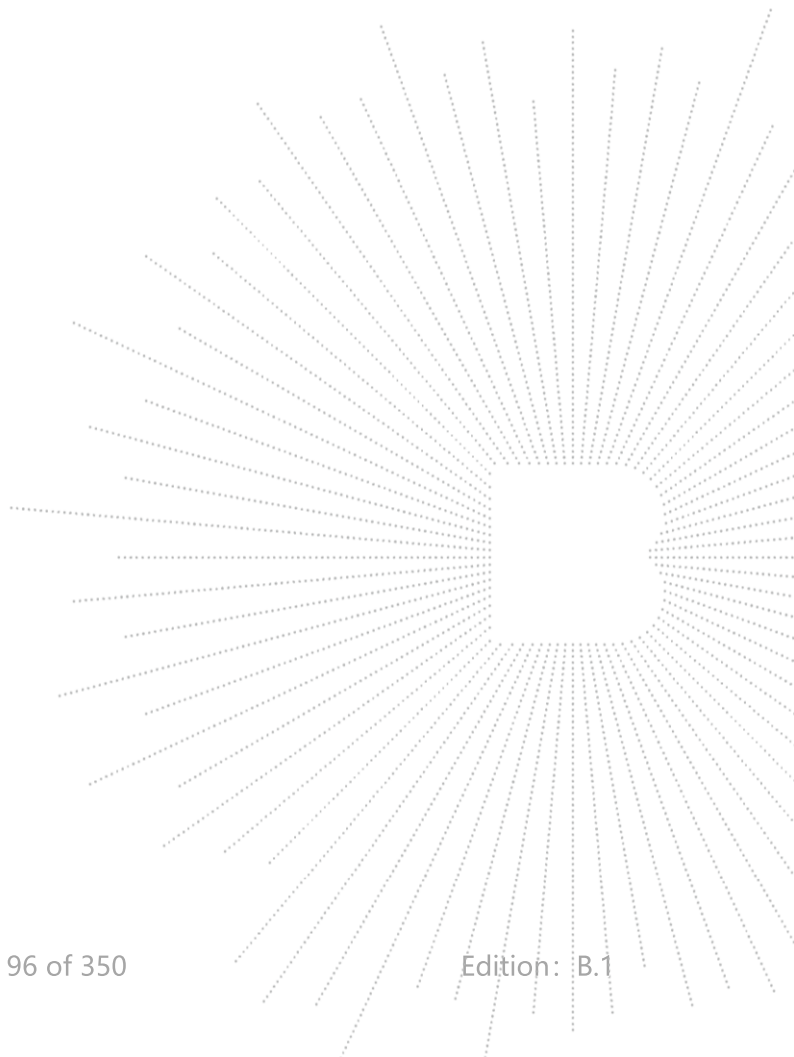
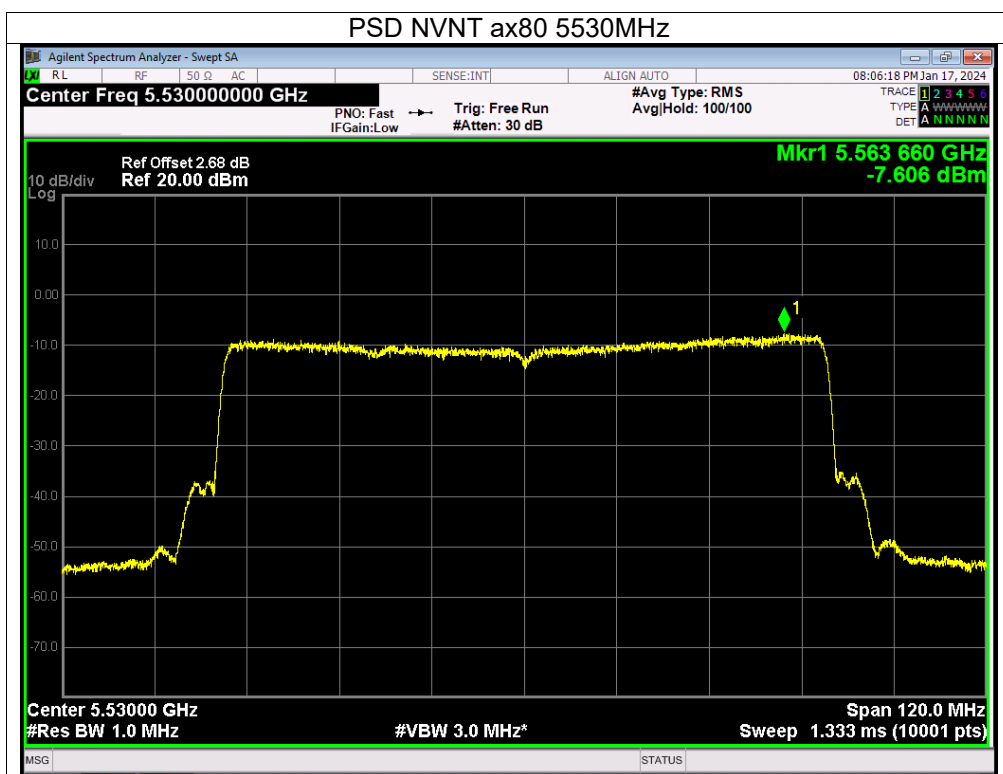










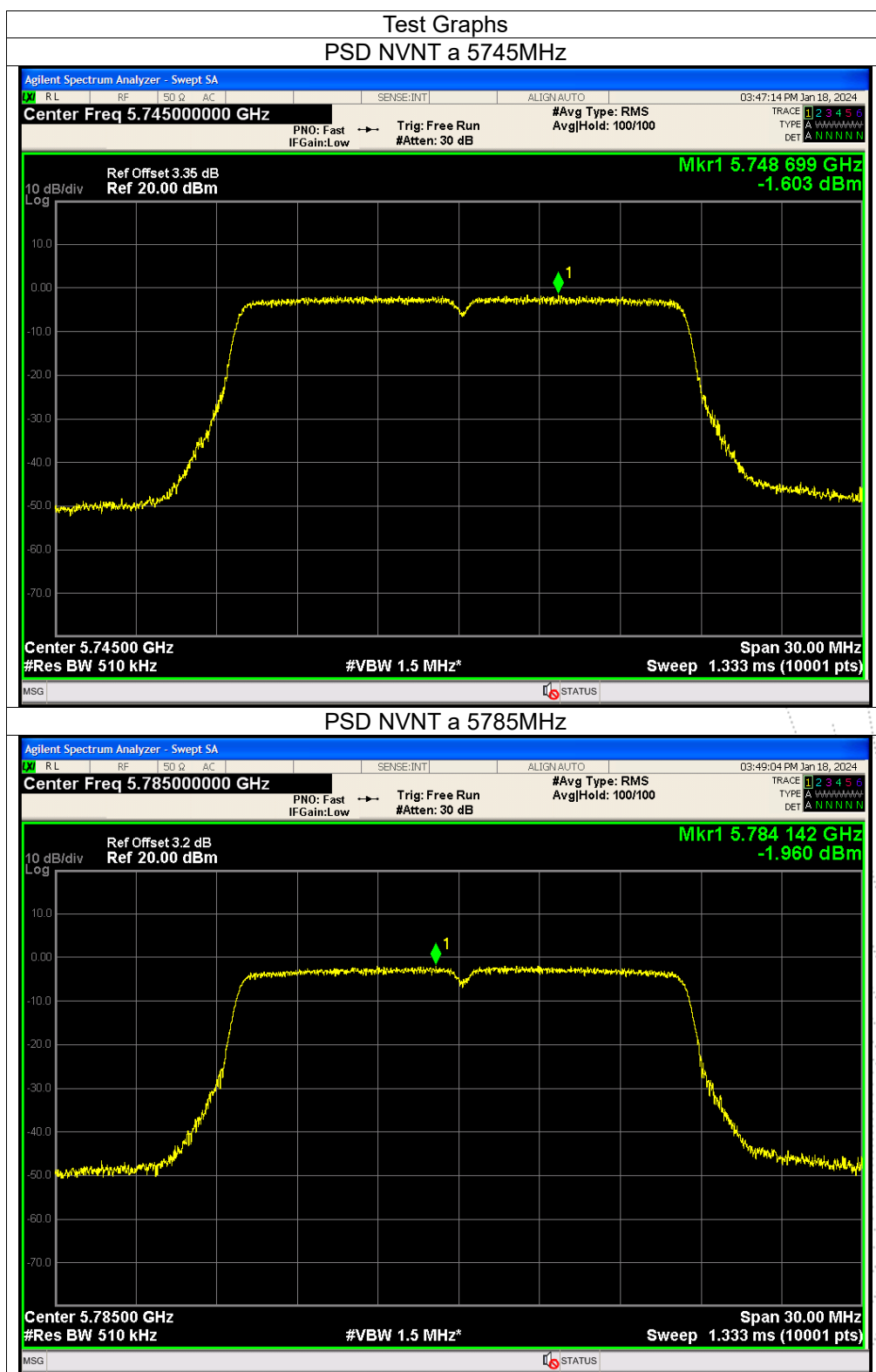


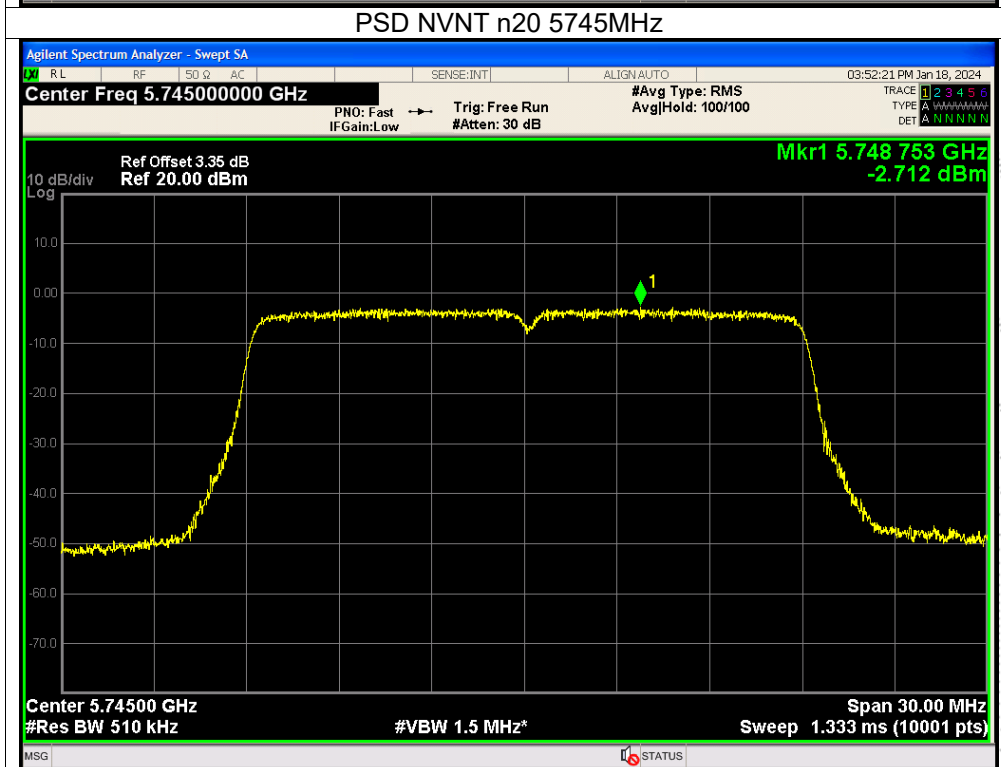
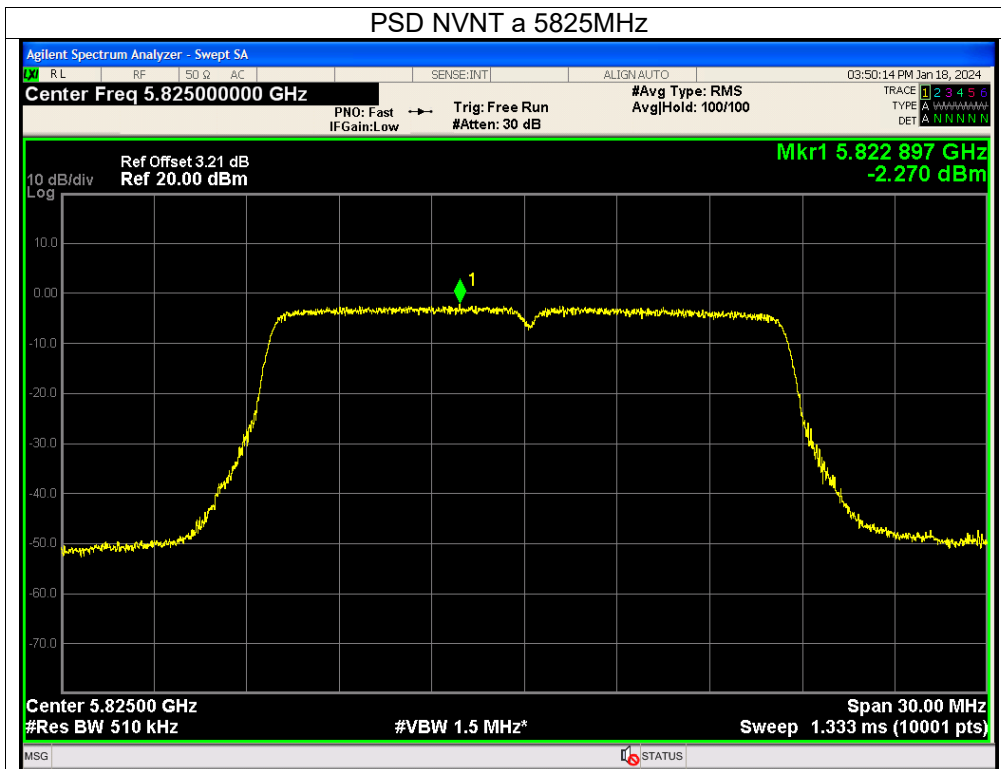
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5745-5825MHz)		

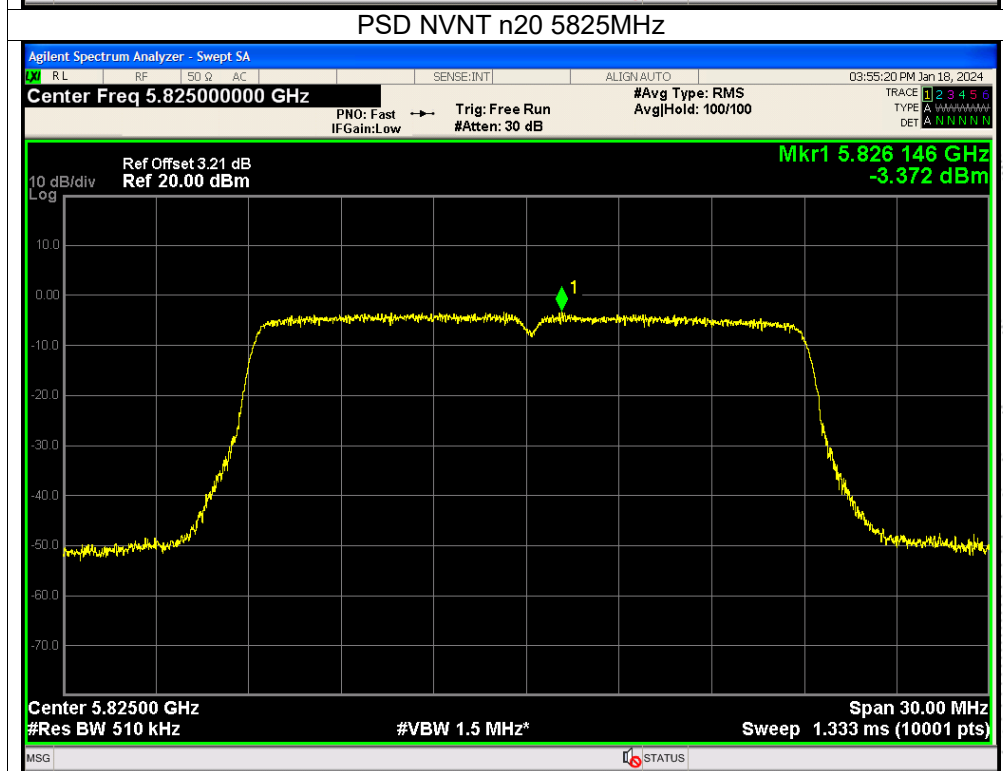
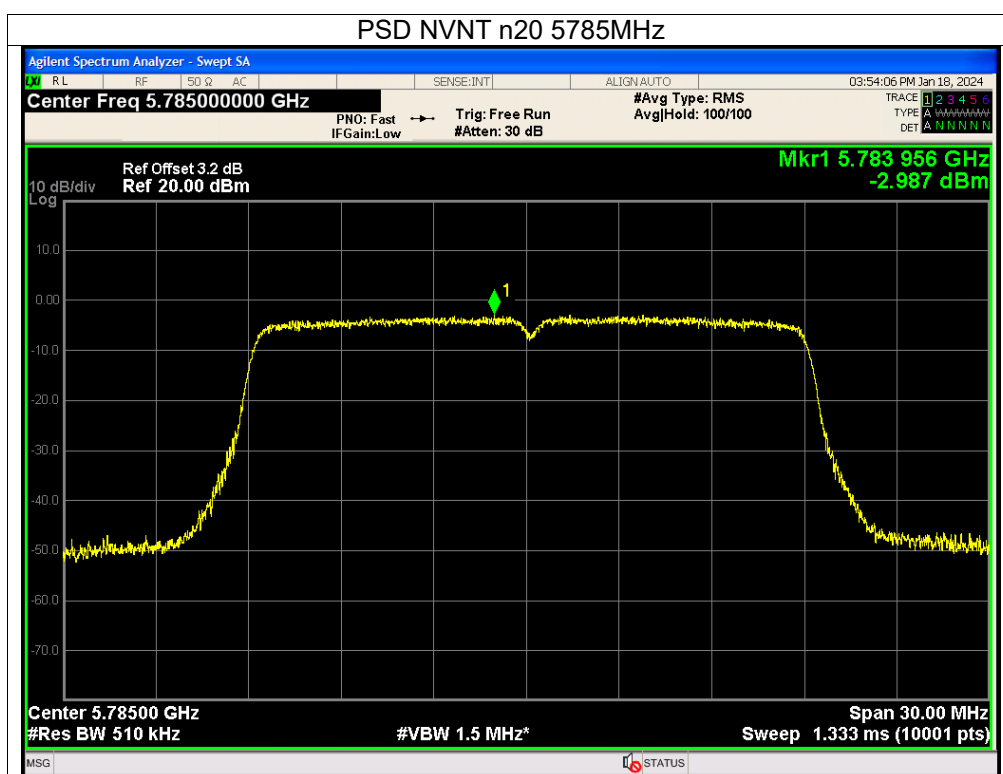
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510KHz)		Conducted PSD (dBm/500KHz)		Total (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
			Ant A	Ant B	Ant A	Ant B			
NVNT	a	5745	-2.19	-1.6	-2.276	-1.686	/	30	Pass
NVNT	a	5785	-2.29	-1.96	-2.376	-2.046	/	30	Pass
NVNT	a	5825	-2.11	-2.27	-2.196	-2.356	/	30	Pass
NVNT	n20	5745	-3.02	-2.71	-3.106	-2.796	0.06	30	Pass
NVNT	n20	5785	-3.2	-2.99	-3.286	-3.076	-0.17	30	Pass
NVNT	n20	5825	-3.37	-3.37	-3.456	-3.456	-0.45	30	Pass
NVNT	n40	5755	-6.67	-5.96	-6.756	-6.046	-3.38	30	Pass
NVNT	n40	5795	-7.09	-6.81	-7.176	-6.896	-4.02	30	Pass
NVNT	ac20	5745	-2.87	-2.74	-2.956	-2.826	0.12	30	Pass
NVNT	ac20	5785	-2.71	-3.18	-2.796	-3.266	-0.01	30	Pass
NVNT	ac20	5825	-3.3	-3.52	-3.386	-3.606	-0.48	30	Pass
NVNT	ac40	5755	-6.65	-5.83	-6.736	-5.916	-3.30	30	Pass
NVNT	ac40	5795	-6.98	-5.98	-7.066	-6.066	-3.53	30	Pass
NVNT	ac80	5775	-10.6	-10.15	-10.686	-10.236	-7.44	30	Pass
NVNT	ax20	5745	-3.44	-3.04	-3.526	-3.126	-0.31	30	Pass
NVNT	ax20	5785	-3.24	-3.39	-3.326	-3.476	-0.39	30	Pass
NVNT	ax20	5825	-3.53	-3.51	-3.616	-3.596	-0.60	30	Pass
NVNT	ax40	5755	-6.77	-5.83	-6.856	-5.916	-3.35	30	Pass
NVNT	ax40	5795	-6.85	-6.25	-6.936	-6.336	-3.62	30	Pass
NVNT	ax80	5775	-10.86	-10.35	-10.946	-10.436	-7.67	30	Pass

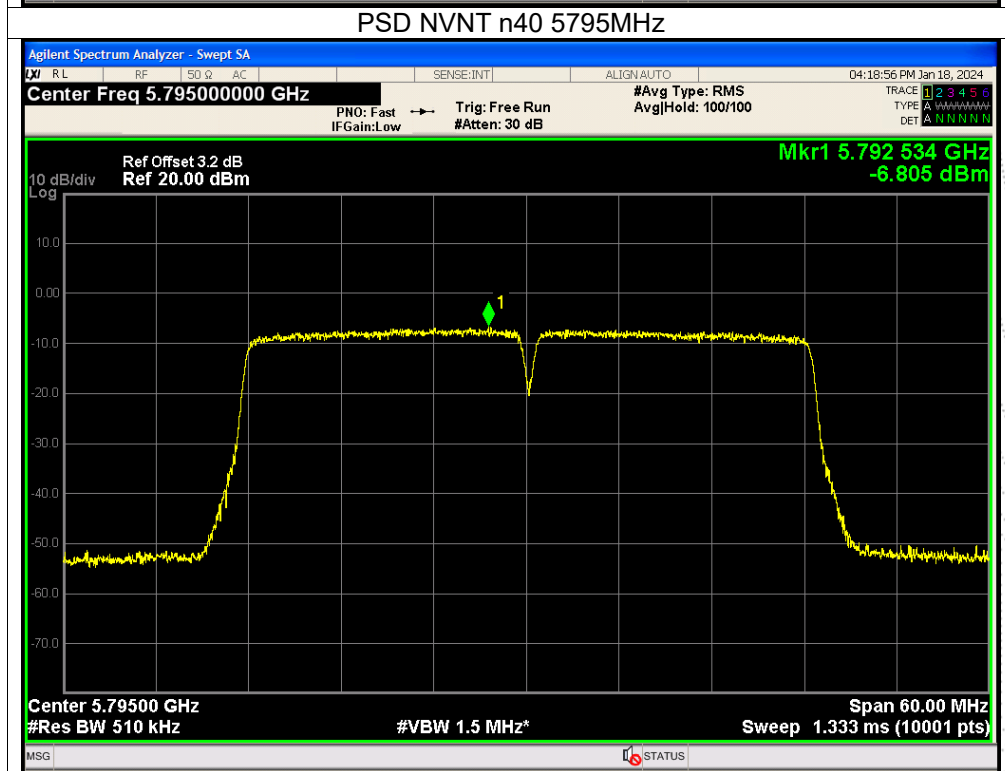
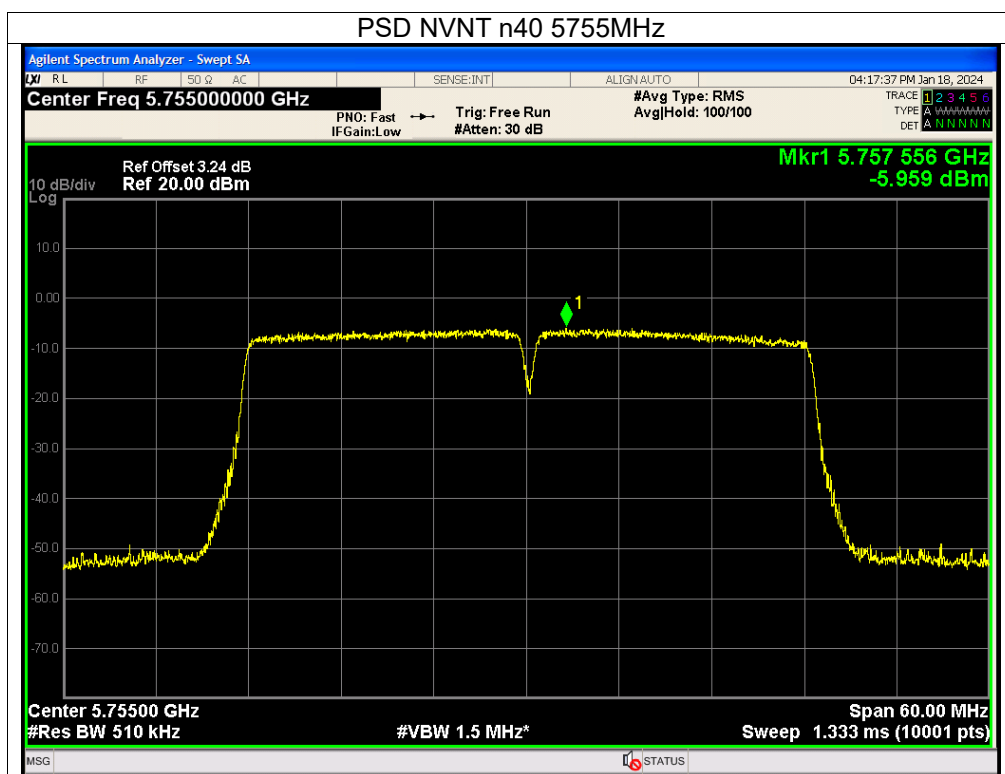
Note: Correction Factor = $10\log(500\text{KHz}/\text{RBW in measurement}) = -0.086$

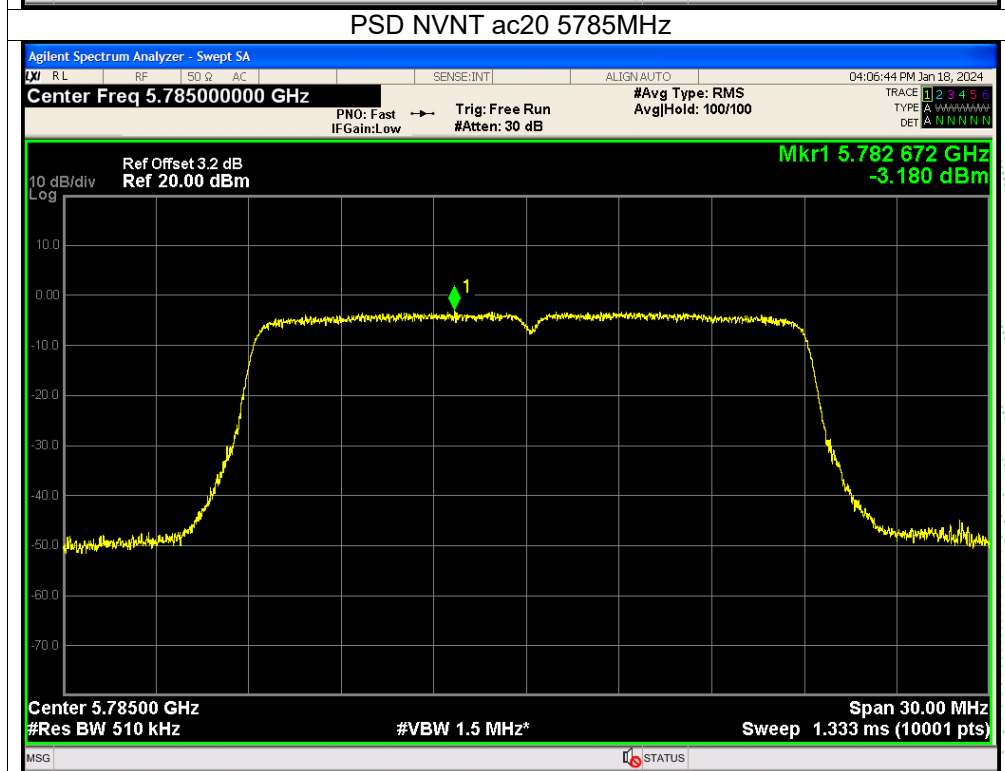
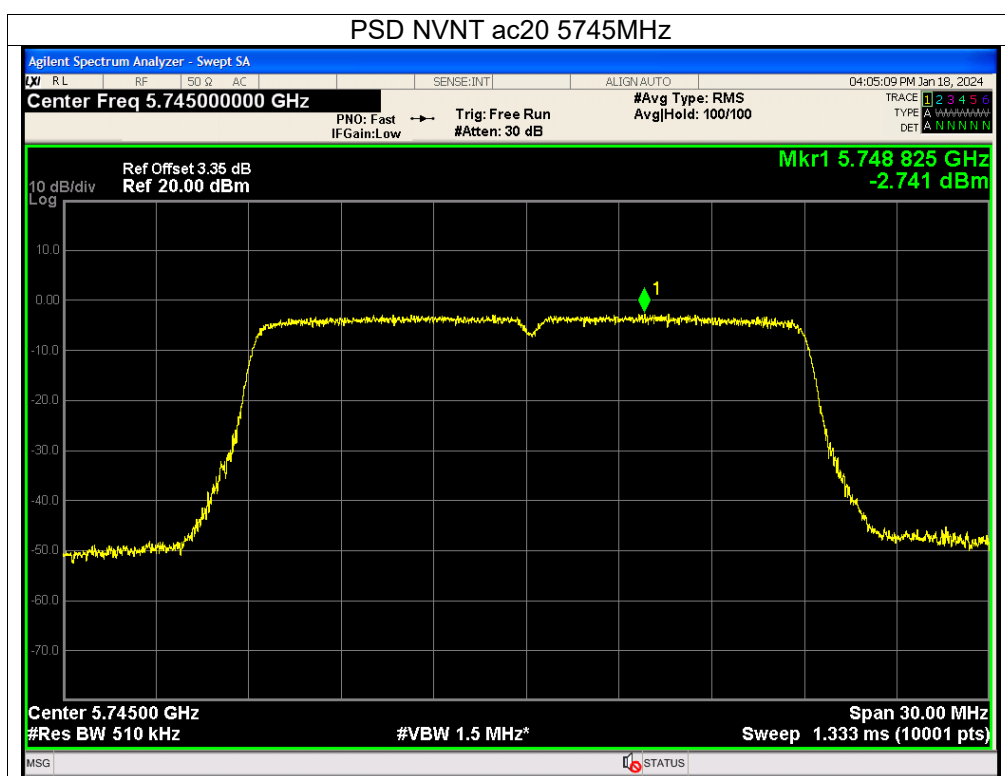
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

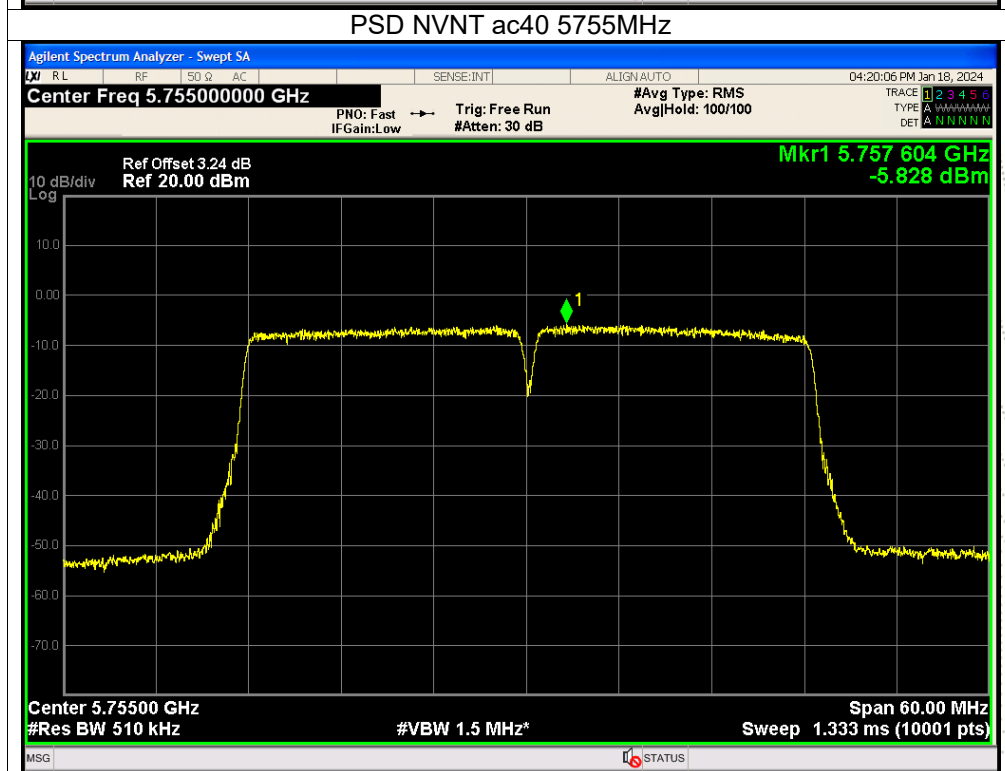
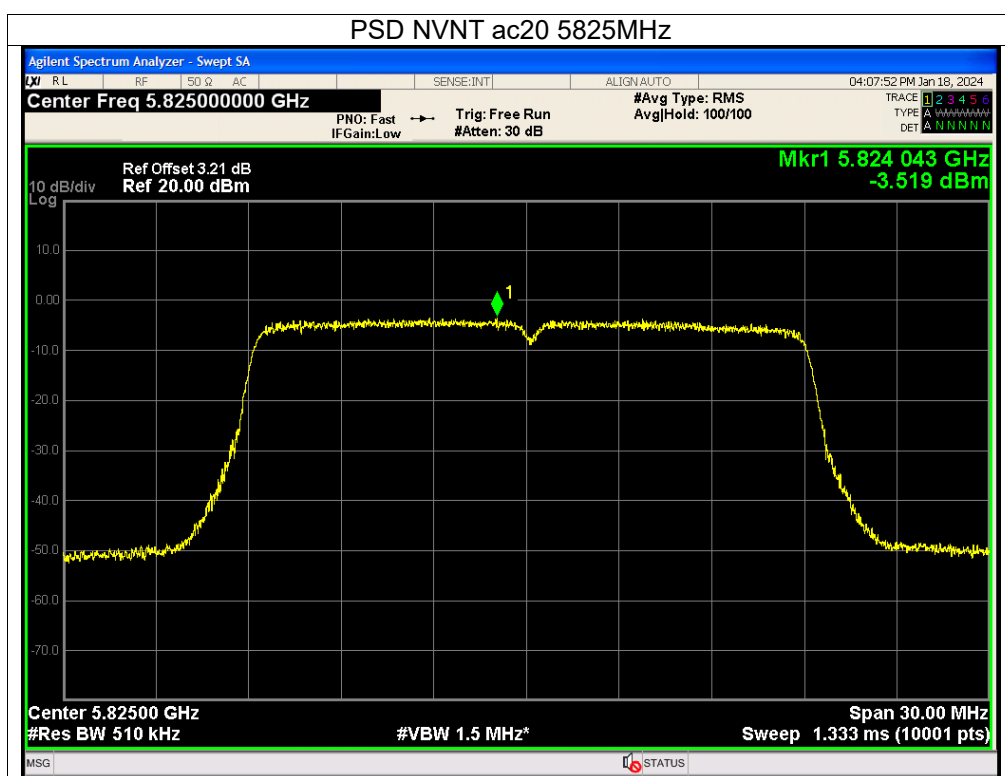


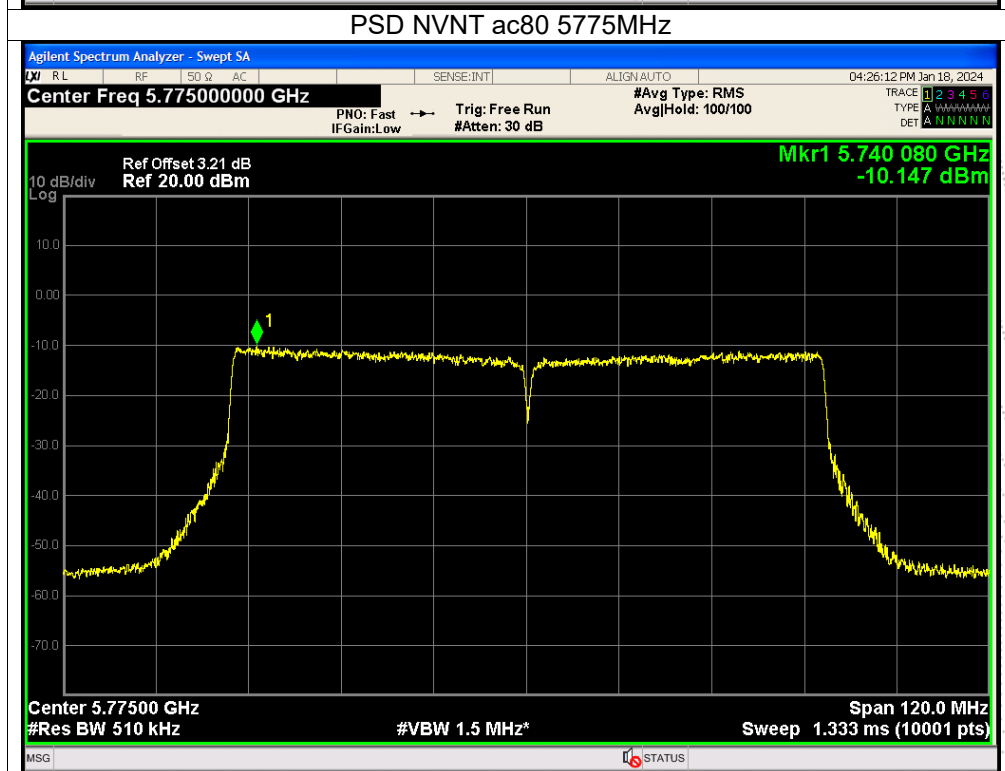
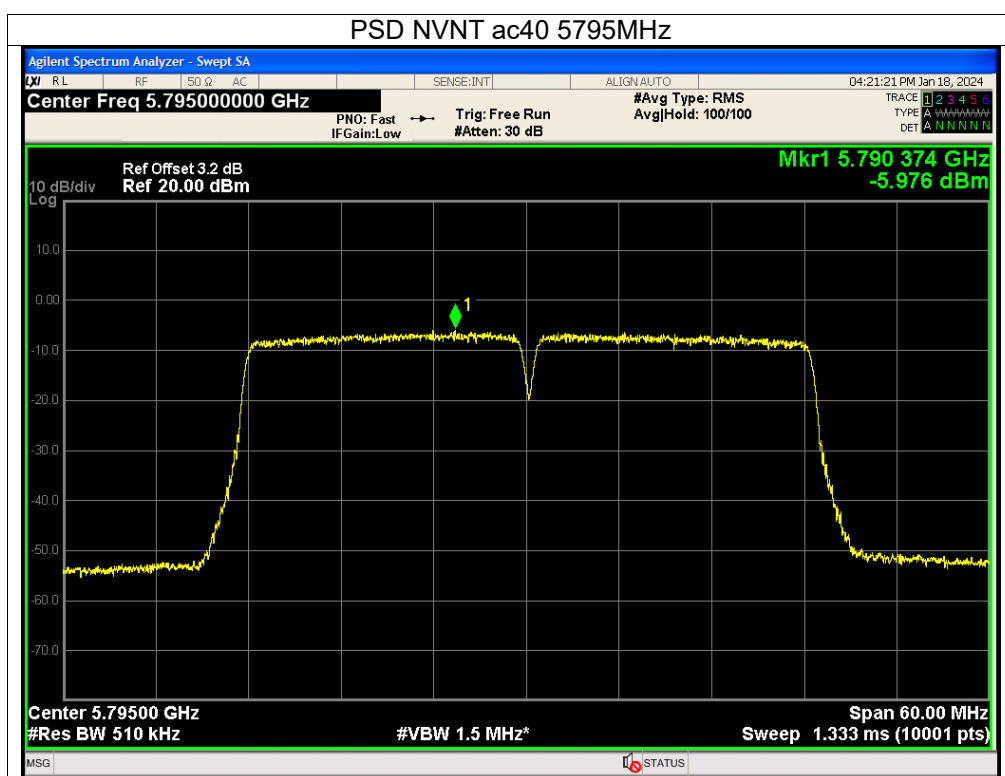


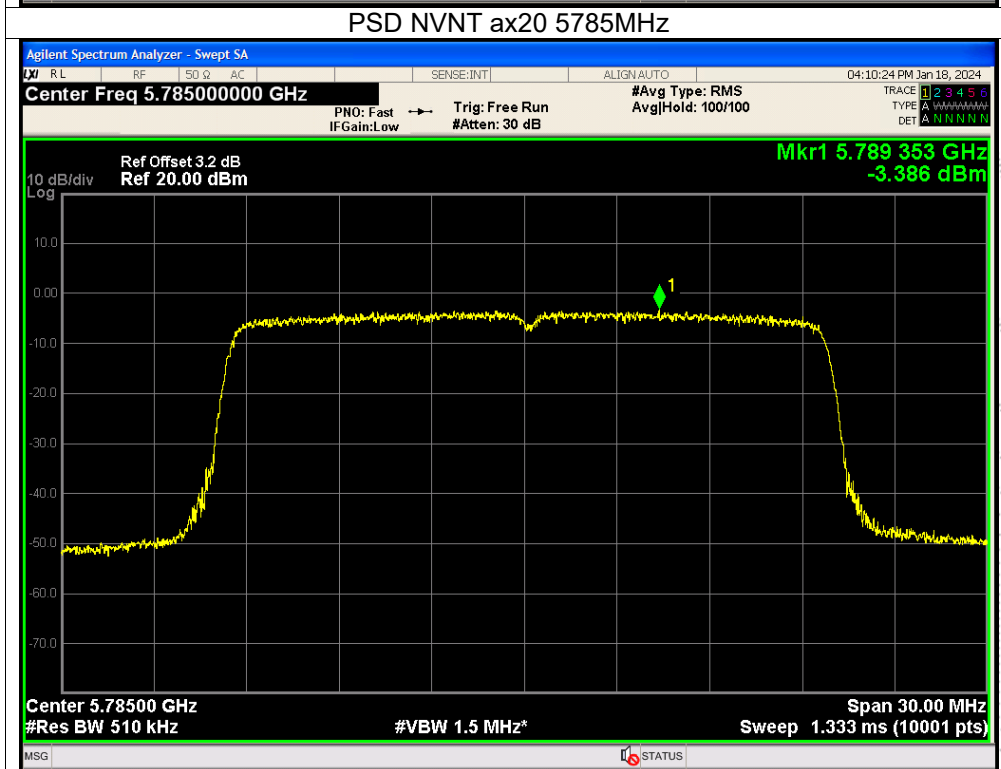
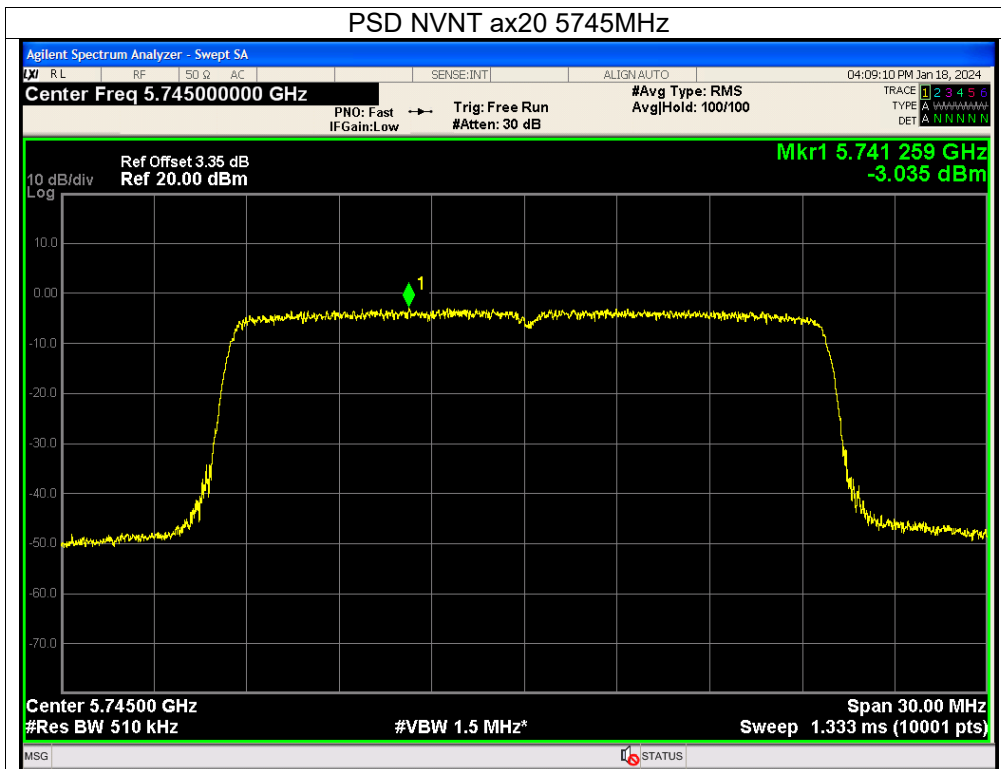


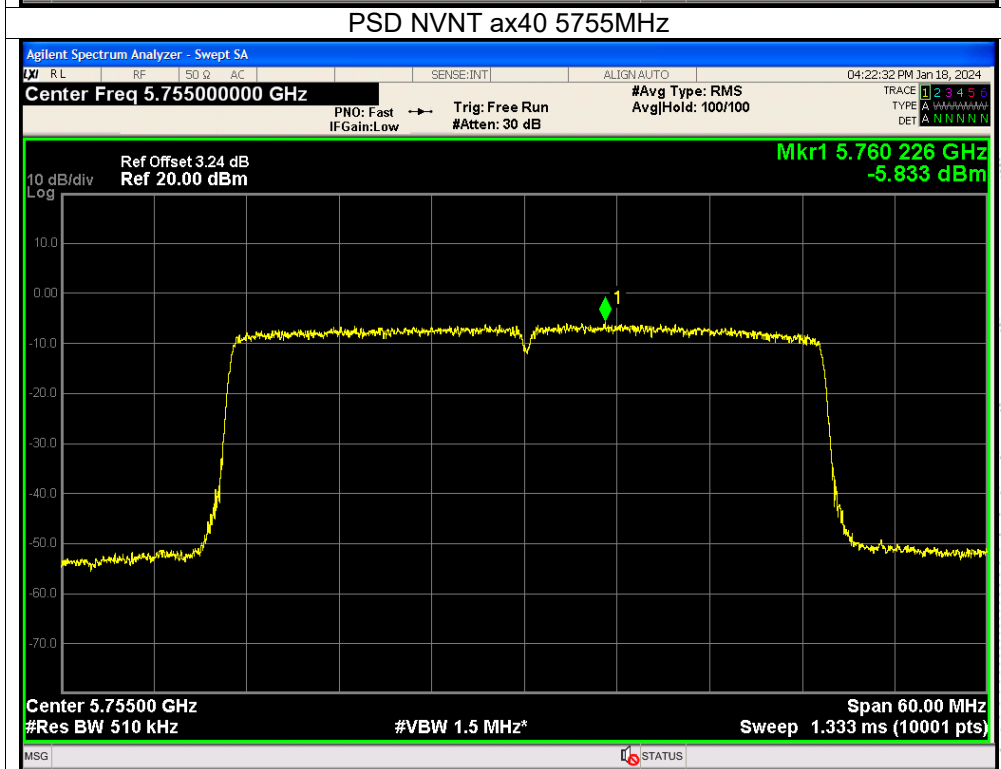
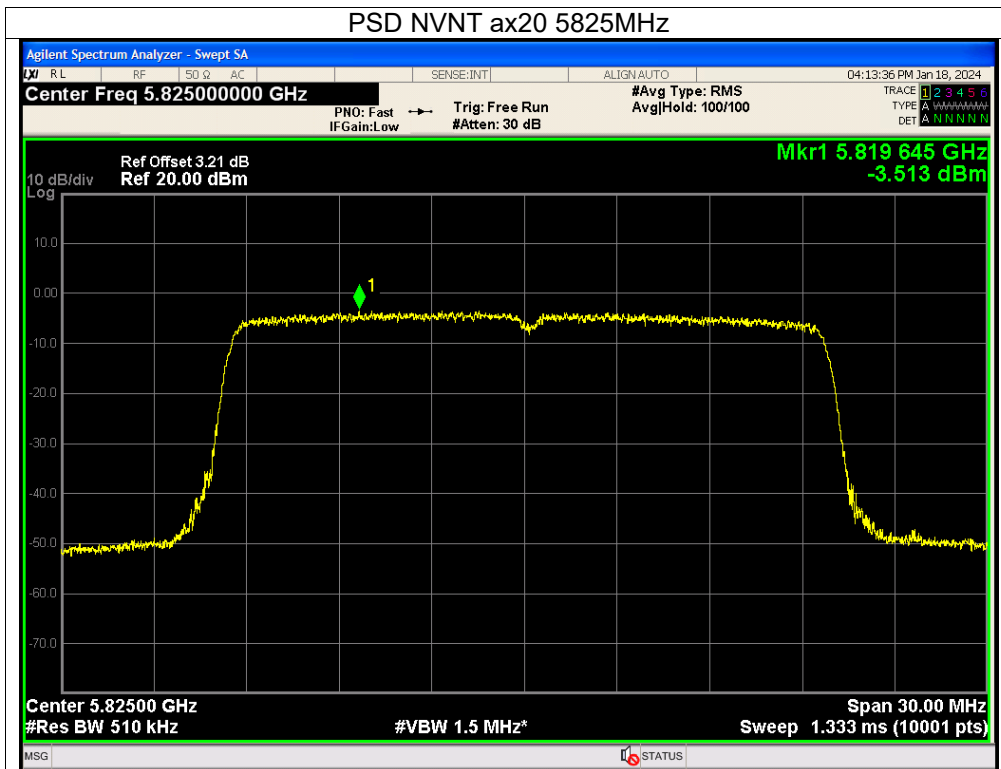


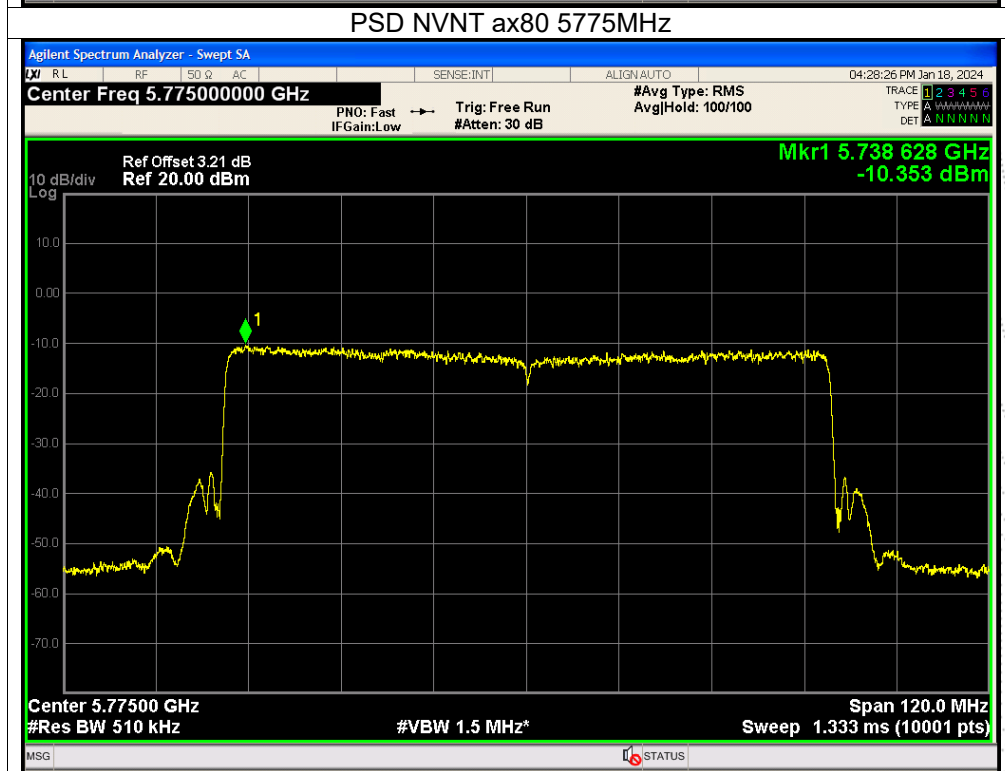
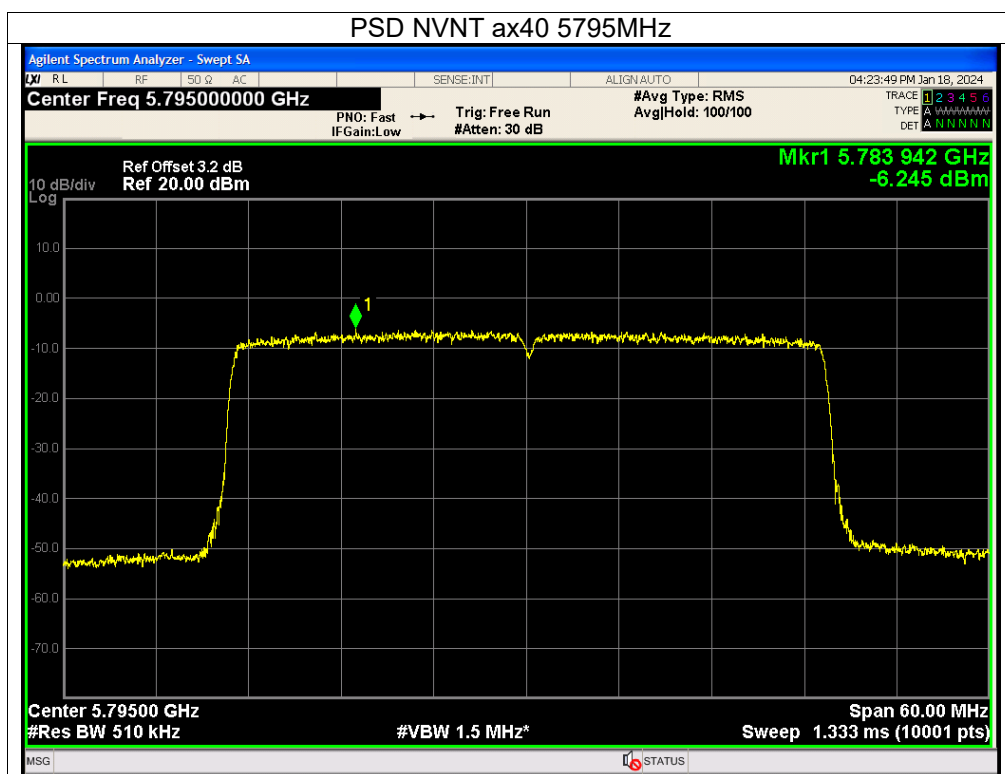






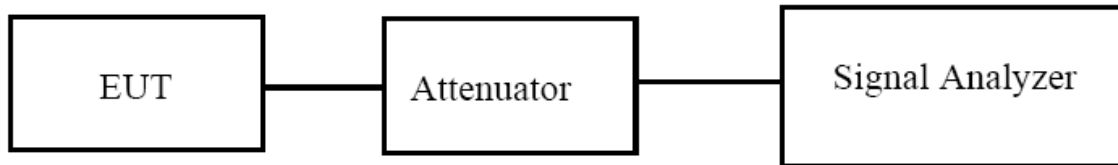






9. 26dB & 6dB & 99% Emission Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

(1) For the band 5.15-5.25 GHz.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, 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.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, 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.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. 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.

9.3 Test Procedure

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- 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%.

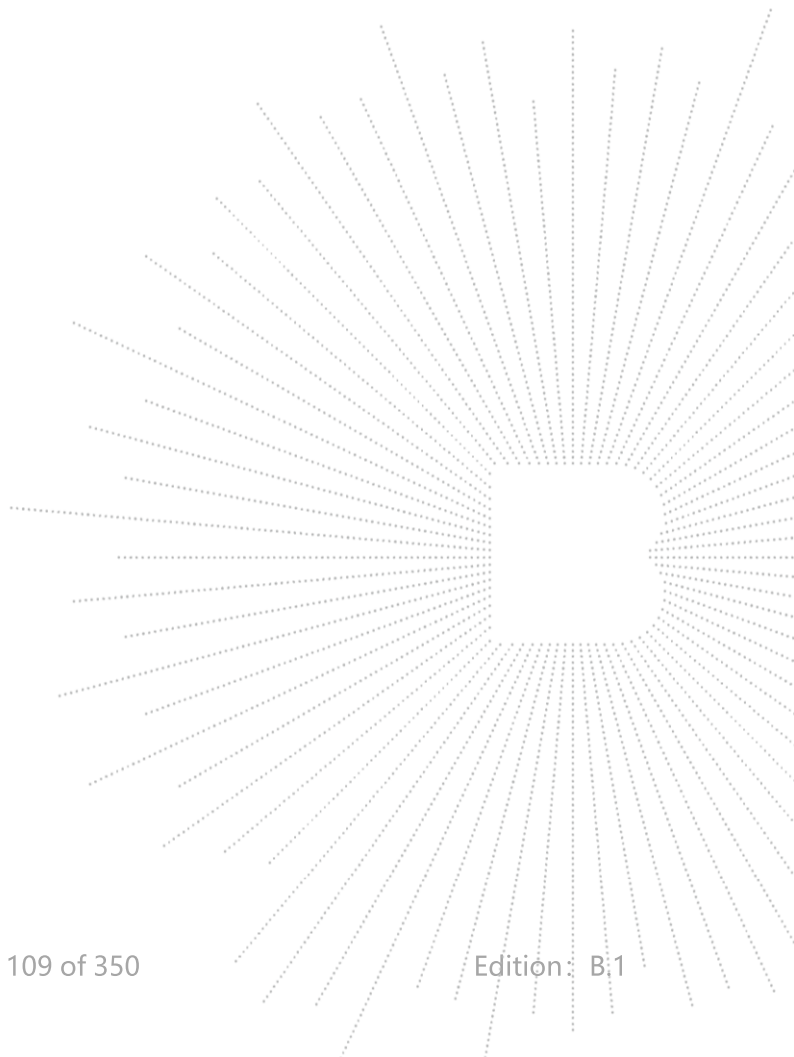
The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- 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

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5180-5240MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		Verdict
			Ant A	Ant B	
NVNT	a	5180	18.681	18.563	Pass
NVNT	a	5200	18.678	18.65	Pass
NVNT	a	5240	18.657	18.753	Pass
NVNT	n20	5180	19.741	19.53	Pass
NVNT	n20	5200	19.681	19.667	Pass
NVNT	n20	5240	19.693	19.607	Pass
NVNT	n40	5190	40.106	40.111	Pass
NVNT	n40	5230	40.077	40.247	Pass
NVNT	ac20	5180	19.733	19.606	Pass
NVNT	ac20	5200	19.664	19.656	Pass
NVNT	ac20	5240	19.673	19.635	Pass
NVNT	ac40	5190	39.904	39.908	Pass
NVNT	ac40	5230	39.95	39.693	Pass
NVNT	ac80	5210	88.21	88.218	Pass
NVNT	ax20	5180	20.621	20.638	Pass
NVNT	ax20	5200	20.59	20.674	Pass
NVNT	ax20	5240	20.629	20.633	Pass
NVNT	ax40	5190	39.605	39.591	Pass
NVNT	ax40	5230	39.553	39.643	Pass
NVNT	ax80	5210	80.792	79.572	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5180	16.323	16.323
NVNT	a	5200	16.318	16.333
NVNT	a	5240	16.333	16.326
NVNT	n20	5180	17.507	17.51
NVNT	n20	5200	17.519	17.499
NVNT	n20	5240	17.507	17.509
NVNT	n40	5190	36.004	36.001
NVNT	n40	5230	35.954	35.99
NVNT	ac20	5180	17.513	17.499
NVNT	ac20	5200	17.513	17.518
NVNT	ac20	5240	17.512	17.498
NVNT	ac40	5190	36.018	36.079
NVNT	ac40	5230	36.004	36.037
NVNT	ac80	5210	76.142	76.255
NVNT	ax20	5180	18.876	18.871
NVNT	ax20	5200	18.87	18.89
NVNT	ax20	5240	18.874	18.844
NVNT	ax40	5190	37.624	37.691
NVNT	ax40	5230	37.617	37.649
NVNT	ax80	5210	77.139	77.295

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

