

TEST REPORT

Report No.: BCTC2306556831-2E

Applicant: NINGBO AUDITORYWORKS CO., LTD.

Product Name: Wireless 2K Live Streaming Camera

Model/Type
reference: AW-VM33

Tested Date: 2023-07-03 to 2023-07-13

Issued Date: 2023-07-13

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2BAHR-VM33

Product Name: Wireless 2K Live Streaming Camera

Trademark: N/A

Model/Type Ref.: AW-VM33
AW-VMxxxxx, AW-LS300 ("x" can be 0-9, A-Z, a-z or blank, indicate different enclosure color, performance, sales area or customer)

Prepared For: NINGBO AUDITORYWORKS CO., LTD.

Address: 3-314 Lingqiao Road 229, Haishu District, Ningbo City, Zhejiang Province, China

Manufacturer: NINGBO AUDITORYWORKS CO., LTD.

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Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Sample Received Date: 2023-07-03

Sample tested Date: 2023-07-03 to 2023-07-13

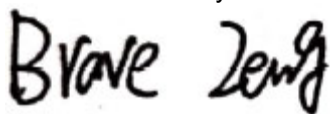
Issue Date: 2023-07-13

Report No.: BCTC2306556831-2E

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

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

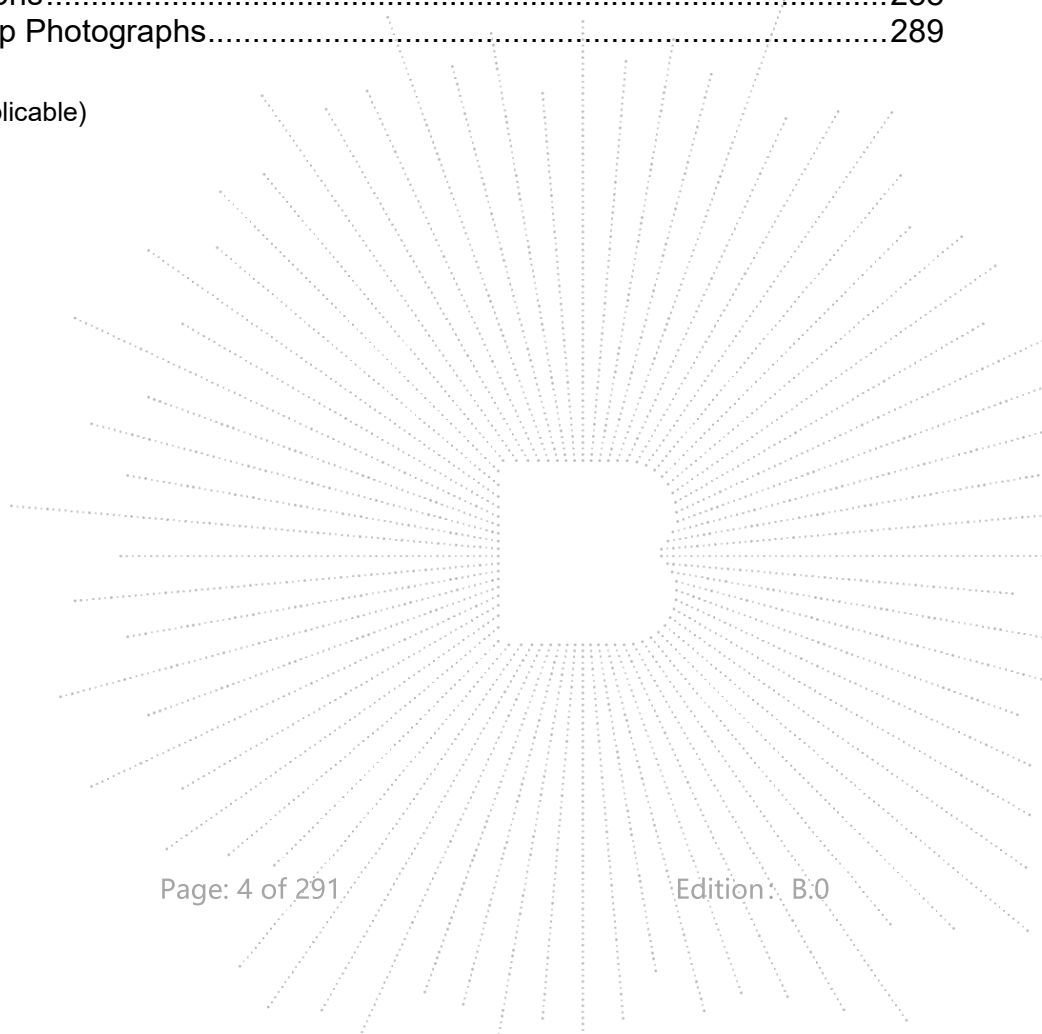
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(Note: N/A Means Not Applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2306556831-2E	2023-07-13	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	2.1051, 15.407 b	PASS
7	Power Spectral Density	15.407 a	PASS
8	Spurious Emissions at Antenna Terminals	2.1051, 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

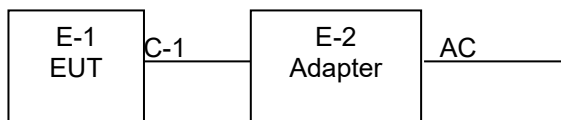
4.1 Product Information

Model/Type Ref.:	AW-VM33 AW-VMxxxxx, AW-LS300 ("x" can be 0-9, A-Z, a-z or blank, indicate different enclosure color, performance, sales area or customer)
Model differences:	All models are the same circuit and RF modules, with differences in model name, housing color, performance, sales region, or customer.
Hardware Version:	1.3
Software Version:	V1.0.0.0.R.230524
IEEE 802.11 WLAN Mode Supported	802.11a/n (20MHz channel bandwidth) 802.11n (40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ac(HT20); 5190-5230MHz for 802.11n/ac(HT40); 5210MHz for 802.11 ac80; 5260-5320MHz for 802.11a/n/ac(HT20); 5270-5310MHz for 802.11n/ac(HT40); 5290MHz for 802.11 ac80; 5500-5700MHz for 802.11a/n/ac(HT20); 5410-5670MHz for 802.11n/ac(HT40); 5530-5610MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n/ac(HT20); 5755-5795 MHz for 802.11n/ac(HT40); 5775MHz for 802.11 ac80
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac(VHT20): NSS1, MCS0-MCS8 802.11ac(VHT40/VHT80):NSS1, MCS0-MCS9
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac
Antenna installation:	Internal antenna*2
Antenna Gain:	1.94 dBi
Ratings:	DC 5V From Adapter DC 3.7V From Battery

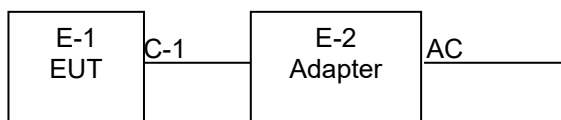
4.2 Test Setup Configuration

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

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Wireless 2K Live Streaming Camera	N/A	AW-VM33	Ref. the Section 4.1	EUT
E-2	Adapter	UGREEN	CD122	N/A	Auxiliary
E-3	earphone	/	/	/	Auxiliary

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

Notes:

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

4.4 Channel List

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
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 (MHz)
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 (MHz)
20MHz	100	5500	105	5520
	108	5540	112	5560
	116	5580	120	5600
	124	5620	128	5640
	132	5660	136	5680
	140	5700		
40MHz	102	5510	110	5550
	118	5590	126	5630
	134	5670		
80MHz	106	5530	122	5610
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
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 CH36/ CH40/ CH 48 802.11a / n/ ac 20 CH52/ CH56/ CH 64 802.11a / n/ ac 20 CH100/ CH116/ CH 140 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH54/ CH 62 802.11n/ ac40 CH102/ CH 118/CH134 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/ CH 58/ CH 106/ CH 122/ CH 155
Mode 4	Link Mode

Conducted Emission	
Final Test Mode	Description
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	Internal antenna	1.94	N/A
B	N/A	N/A	Internal antenna	1.94	N/A

There are two antennas inside the EUT with an antenna gain of GANT 1.94dBi, CDD device with one spatial streams, also can operate 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 4.95 dBi
 2) For power measurements,
 The Array gain = 0 for $\text{NANT} \leq 4$,
 So the directional gain for Power measurements is 1.94dBi

5. Test Facility And Test Instrument Used

5.1 Test Facility

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

FCC Test Firm Registration Number: 712850

FCC Designation Number: CN1212

ISED Registered No.: 23583

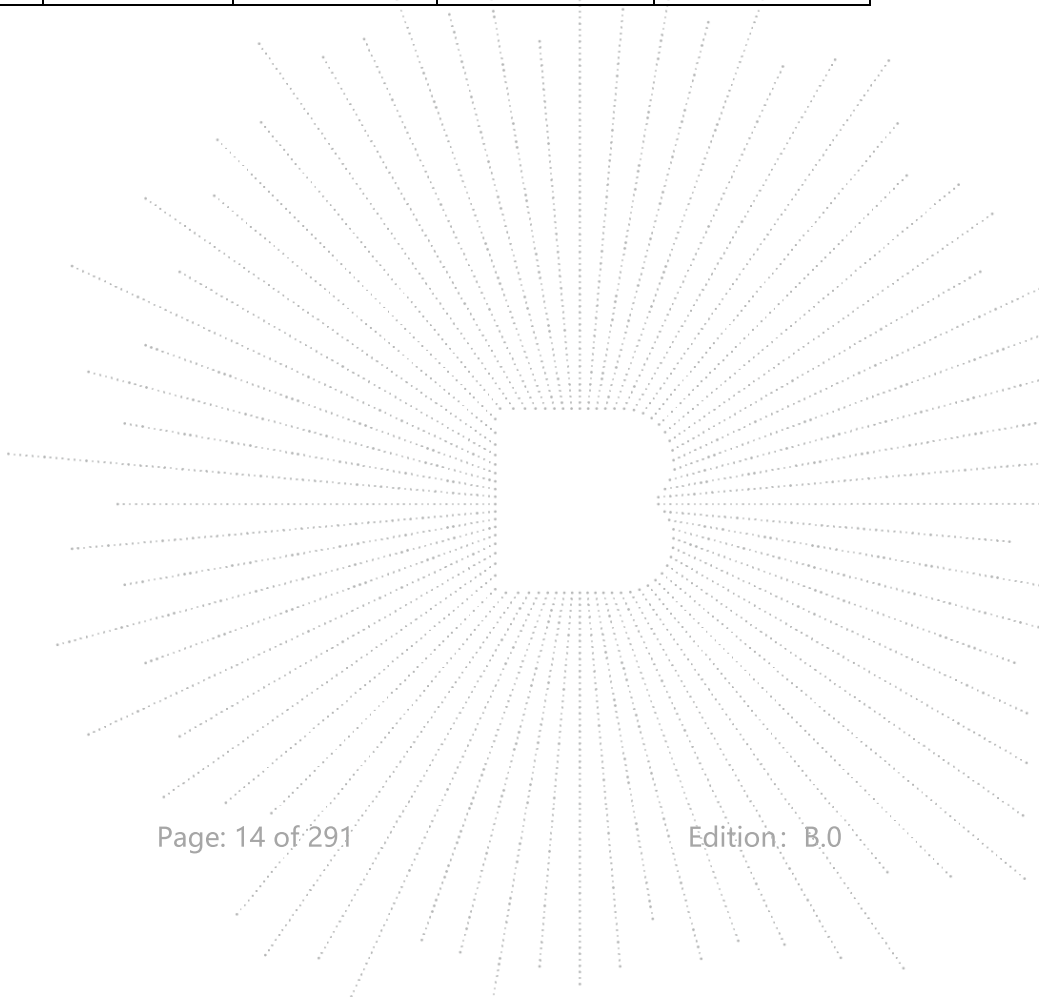
ISED CAB identifier: CN0017

5.2 Test Instrument Used

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

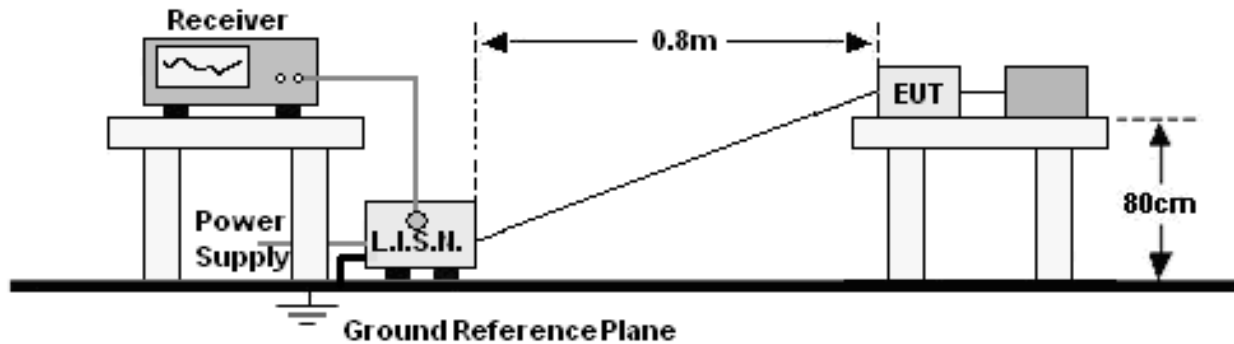
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Metter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz-40GHz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

Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESRP	101154	May 15, 2023	May 14, 2024
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 15, 2023	May 14, 2024
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 29, 2023	May 28, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 15, 2023	May 14, 2024
Horn Antenn(18GH z-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	FA-03A2 RE	\	\



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Frequency (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Notes:

- *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

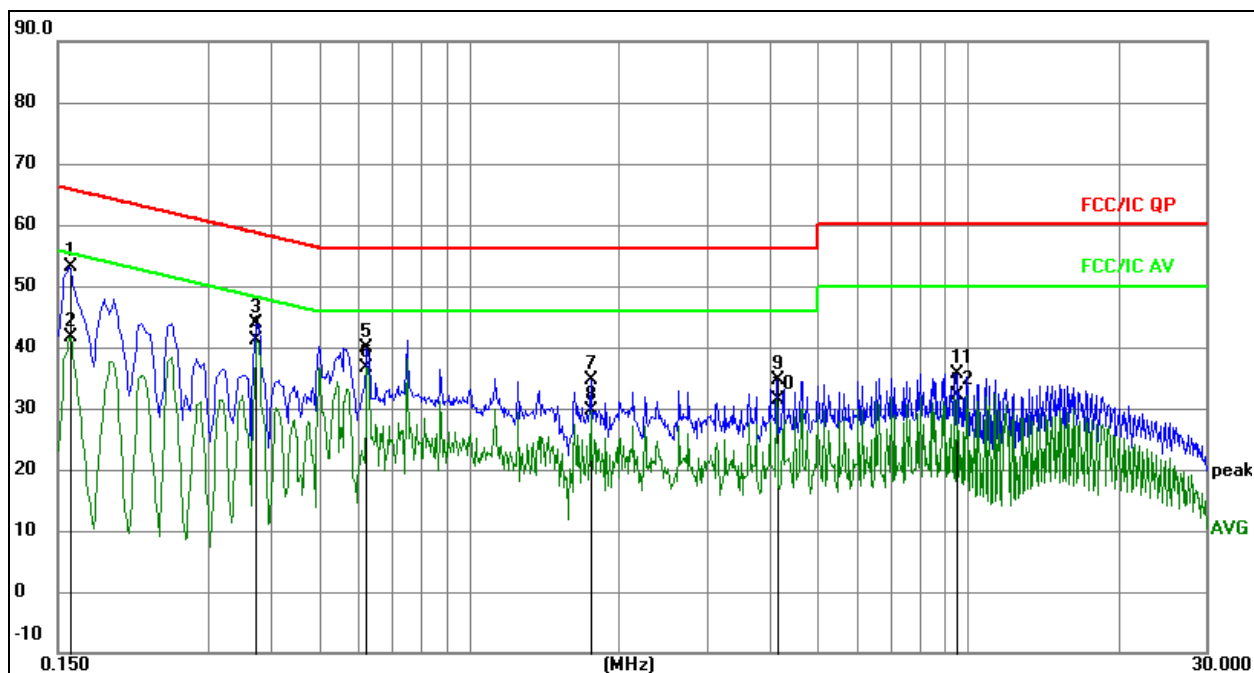
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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	Phase:	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz

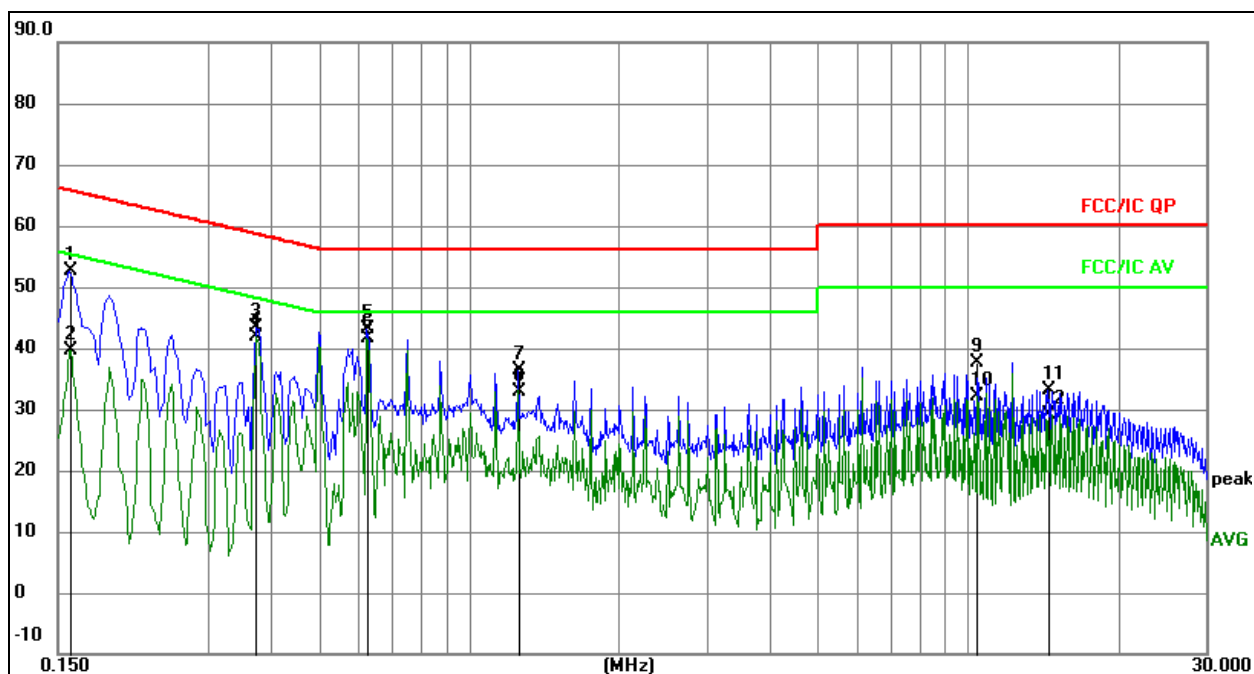


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1		0.1582	43.59	9.53	53.12	65.56	-12.44	QP
2		0.1582	32.21	9.53	41.74	55.56	-13.82	AVG
3		0.3731	34.14	9.62	43.76	58.43	-14.67	QP
4	*	0.3731	31.53	9.62	41.15	48.43	-7.28	AVG
5		0.6238	30.33	9.62	39.95	56.00	-16.05	QP
6		0.6238	27.01	9.62	36.63	46.00	-9.37	AVG
7		1.7529	24.79	9.73	34.52	56.00	-21.48	QP
8		1.7529	19.86	9.73	29.59	46.00	-16.41	AVG
9		4.1356	24.68	9.84	34.52	56.00	-21.48	QP
10		4.1356	21.48	9.84	31.32	46.00	-14.68	AVG
11		9.5016	25.93	9.67	35.60	60.00	-24.40	QP
12		9.5016	22.42	9.67	32.09	50.00	-17.91	AVG

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



Remark:

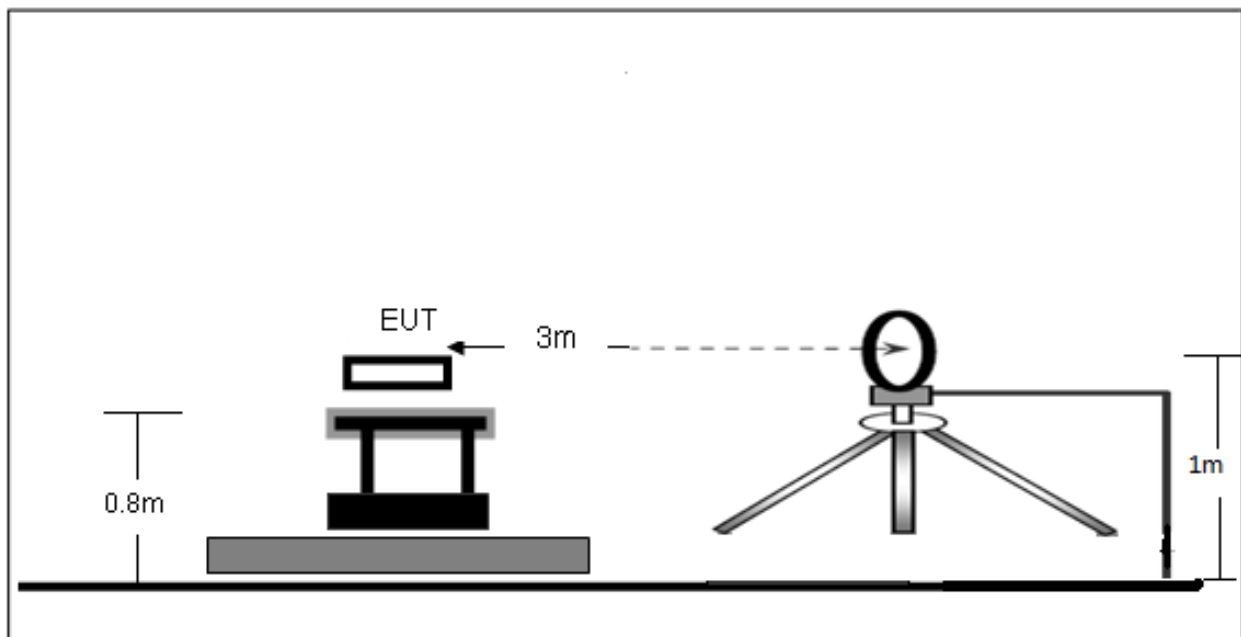
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1590	43.20	9.53	52.73	65.52	-12.79	QP
2		0.1590	30.01	9.53	39.54	55.52	-15.98	AVG
3		0.3750	33.67	9.62	43.29	58.39	-15.10	QP
4		0.3750	32.37	9.62	41.99	48.39	-6.40	AVG
5		0.6270	33.58	9.62	43.20	56.00	-12.80	QP
6	*	0.6270	31.96	9.62	41.58	46.00	-4.42	AVG
7		1.2570	26.69	9.73	36.42	56.00	-19.58	QP
8		1.2570	23.27	9.73	33.00	46.00	-13.00	AVG
9		10.4235	28.06	9.66	37.72	60.00	-22.28	QP
10		10.4235	22.45	9.66	32.11	50.00	-17.89	AVG
11		14.4420	23.44	9.66	33.10	60.00	-26.90	QP
12		14.4420	19.54	9.66	29.20	50.00	-20.80	AVG

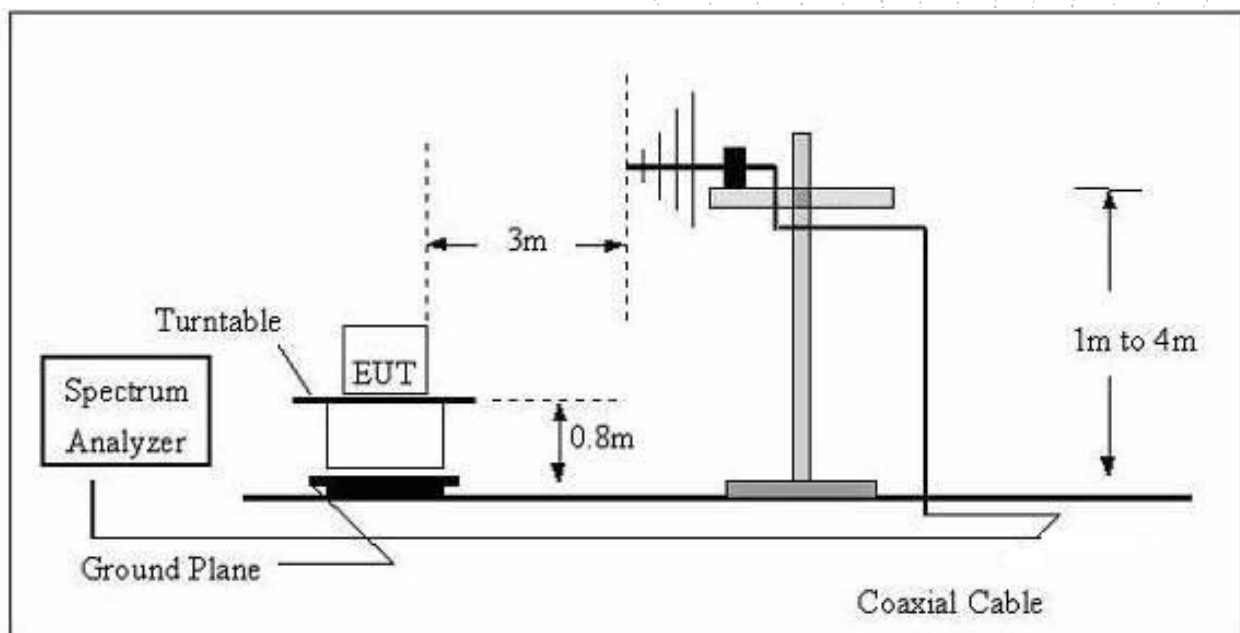
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

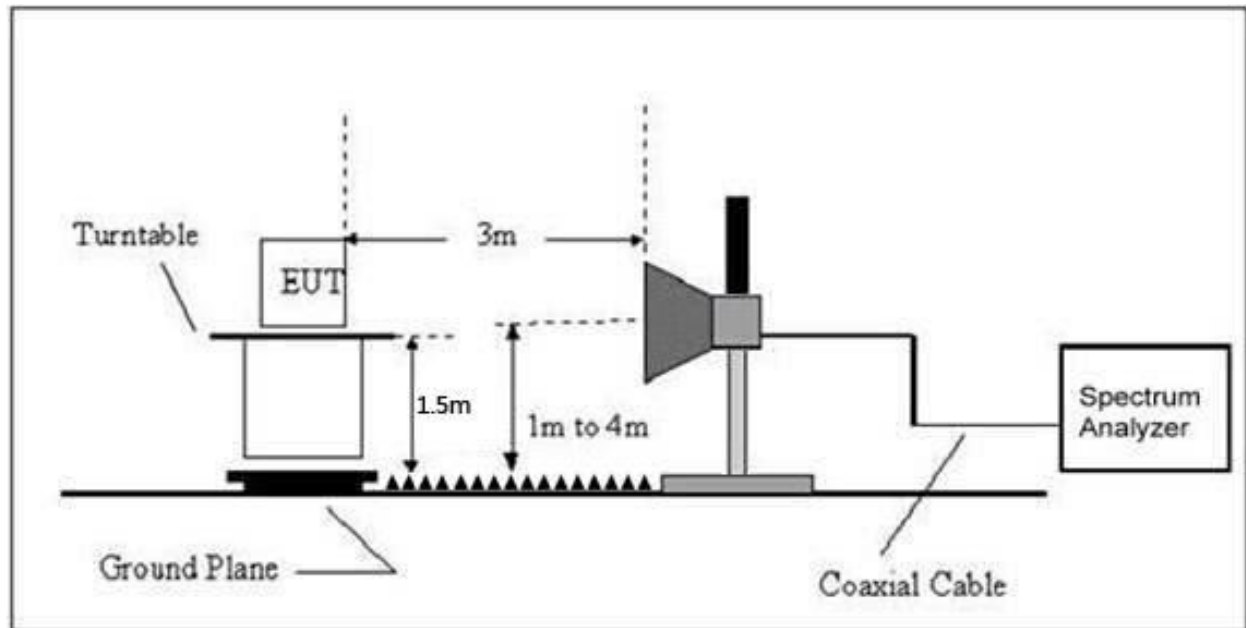
(A) Radiated Emission Test-Up Frequency Below 30MHz



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

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

Note:

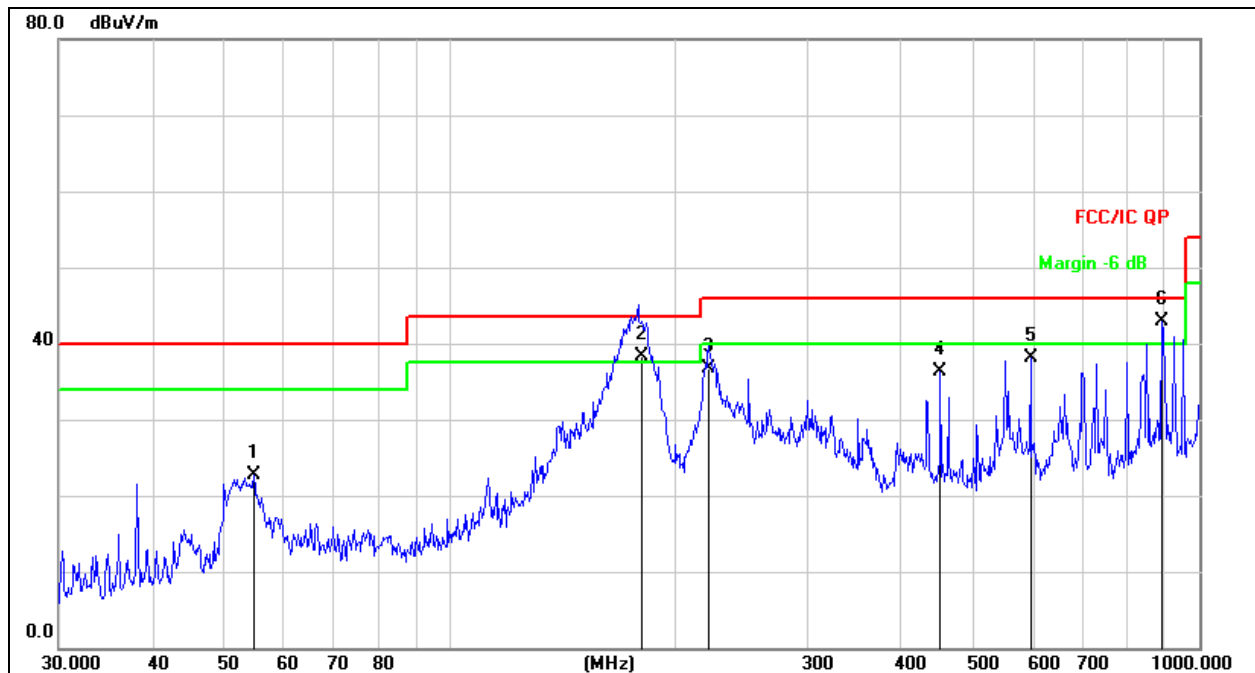
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Between 30MHz – 1GHz

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

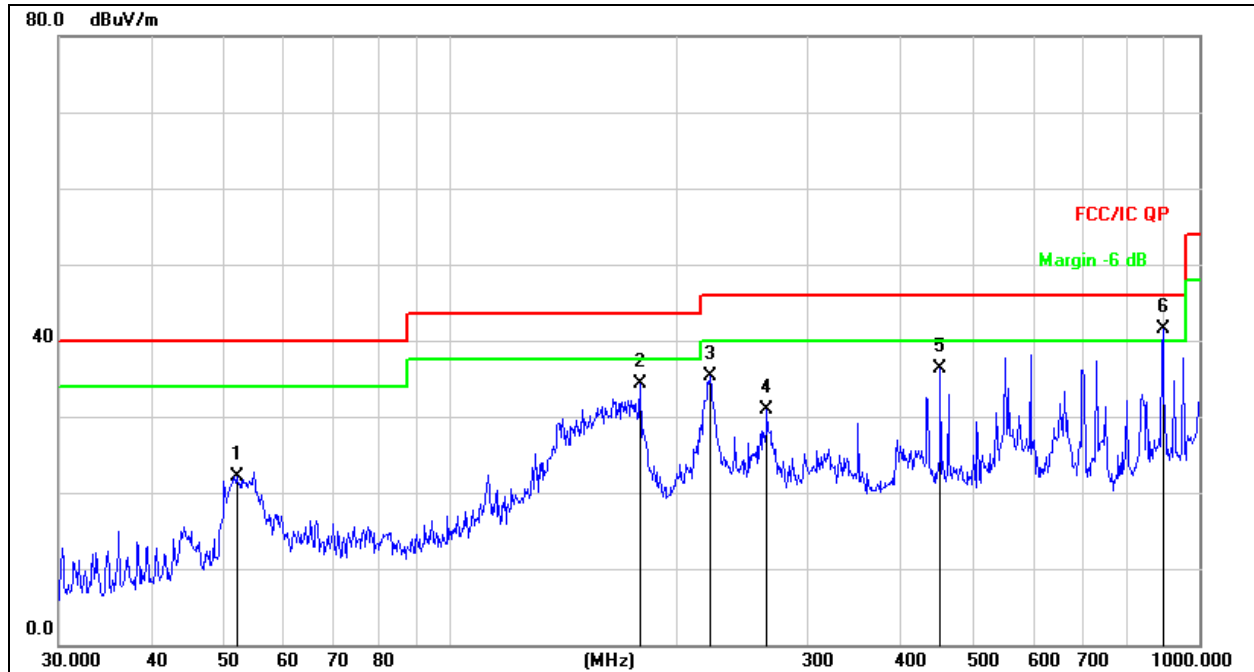


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		54.6428	38.97	-16.29	22.68	40.00	-17.32	QP
2	!	179.7707	57.25	-18.86	38.39	43.50	-5.11	QP
3		221.3920	53.44	-16.71	36.73	46.00	-9.27	QP
4		451.1349	47.86	-11.46	36.40	46.00	-9.60	QP
5		595.1327	46.57	-8.51	38.06	46.00	-7.94	QP
6	*	890.7278	47.65	-4.69	42.96	46.00	-3.04	QP

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



Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		51.8430	38.05	-15.87	22.18	40.00	-17.82	QP
2		179.3863	53.24	-18.89	34.35	43.50	-9.15	QP
3		222.1698	51.91	-16.69	35.22	46.00	-10.78	QP
4		264.7457	46.34	-15.46	30.88	46.00	-15.12	QP
5		451.1350	47.86	-11.46	36.40	46.00	-9.60	QP
6	*	893.8567	46.20	-4.66	41.54	46.00	-4.46	QP

Between 1GHz – 40GHz

Test Mode:	TX(5.1G) - 802.11a
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.068	60.33	5.94	35.40	44.00	57.67	68.2	-10.53	PK
V	4434.068	43.06	5.94	35.40	44.00	40.40	54	-13.60	AV
V	10360.133	61.30	8.46	39.75	44.50	65.01	68.2	-3.19	PK
V	10360.133	43.70	8.46	39.75	44.50	47.41	54	-6.59	AV
V	15540.173	60.02	10.12	38.80	44.10	64.84	74	-9.16	PK
V	15540.173	43.75	10.12	38.80	42.70	49.97	54	-4.03	AV
H	4434.101	60.73	5.94	35.18	44.00	57.85	68.2	-10.35	PK
H	4434.101	43.35	5.94	35.18	44.00	40.47	54	-13.53	AV
H	10360.143	50.54	8.46	38.71	44.50	53.21	68.2	-14.99	PK
H	10360.143	41.68	8.46	38.71	44.50	44.35	54	-9.65	AV
H	15540.009	50.37	10.12	38.38	44.10	54.77	74	-19.23	PK
H	15540.009	43.96	10.12	38.38	44.10	48.36	54	-5.64	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.109	63.05	6.48	36.35	44.05	61.83	74	-12.17	PK
V	4592.109	43.78	6.48	36.35	44.05	42.56	54	-11.44	AV
V	10400.001	60.19	8.47	37.88	44.51	62.03	68.2	-6.17	PK
V	10400.001	43.48	8.47	37.88	44.51	45.32	54	-8.68	AV
V	15600.170	63.52	10.12	38.80	44.10	68.34	74	-5.66	PK
V	15600.170	43.77	10.12	38.80	42.70	49.99	54	-4.01	AV
H	4592.125	63.16	6.48	36.37	44.05	61.96	74	-12.04	PK
H	4592.125	43.27	6.48	36.37	44.05	42.07	54	-11.93	AV
H	10400.152	50.57	8.47	38.64	44.50	53.18	68.2	-15.02	PK
H	10400.152	43.22	8.47	38.64	44.50	45.83	54	-8.17	AV
H	15600.089	53.42	10.12	38.38	44.10	57.82	74	-16.18	PK
H	15600.089	41.58	10.12	38.38	44.10	45.98	54	-8.02	AV
High Channel (5240 MHz)-Above 1G									
V	4739.169	61.69	7.10	37.24	43.50	62.53	74	-11.47	PK
V	4739.169	43.41	7.10	37.24	43.50	44.25	54	-9.75	AV
V	10480.161	62.92	8.46	37.68	44.50	64.56	68.2	-3.64	PK
V	10480.161	43.73	8.46	37.68	44.50	45.37	54	-8.63	AV
V	15720.081	61.95	10.12	38.80	44.10	66.77	74	-7.23	PK
V	15720.081	43.36	10.12	38.80	42.70	49.58	54	-4.42	AV
H	4739.155	60.59	7.10	37.24	43.50	61.43	74	-12.57	PK
H	4739.155	43.40	7.10	37.24	43.50	44.24	54	-9.76	AV
H	10480.005	50.79	8.46	38.57	44.50	53.32	68.2	-14.88	PK
H	10480.005	42.88	8.46	38.57	44.50	45.41	54	-8.59	AV
H	15720.122	54.74	10.12	38.38	44.10	59.14	74	-14.86	PK
H	15720.122	40.81	10.12	38.38	44.10	45.21	54	-8.79	AV

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

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

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

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

The worst case is Antenna A.

Test Mode :	TX(5.1G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.089	62.34	5.94	35.40	44.00	59.68	68.2	-8.52	PK
V	4434.089	43.76	5.94	35.40	44.00	41.10	54	-12.90	AV
V	10360.083	61.42	8.46	39.75	44.50	65.13	68.2	-3.07	PK
V	10360.083	43.70	8.46	39.75	44.50	47.41	54	-6.59	AV
V	15540.053	61.25	10.12	38.80	44.10	66.07	74	-7.93	PK
V	15540.053	43.69	10.12	38.80	42.70	49.91	54	-4.09	AV
H	4434.049	60.87	5.94	35.18	44.00	57.99	68.2	-10.21	PK
H	4434.049	43.65	5.94	35.18	44.00	40.77	54	-13.23	AV
H	10360.026	54.14	8.46	38.71	44.50	56.81	68.2	-11.39	PK
H	10360.026	42.25	8.46	38.71	44.50	44.92	54	-9.08	AV
H	15540.152	51.34	10.12	38.38	44.10	55.74	74	-18.26	PK
H	15540.152	42.07	10.12	38.38	44.10	46.47	54	-7.53	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.139	62.02	6.48	36.35	44.05	60.80	74	-13.20	PK
V	4592.139	43.47	6.48	36.35	44.05	42.25	54	-11.75	AV
V	10400.126	64.27	8.47	37.88	44.51	66.11	68.2	-2.09	PK
V	10400.126	43.99	8.47	37.88	44.51	45.83	54	-8.17	AV
V	15600.134	60.24	10.12	38.80	44.10	65.06	74	-8.94	PK
V	15600.134	43.25	10.12	38.80	42.70	49.47	54	-4.53	AV
H	4592.060	62.48	6.48	36.37	44.05	61.28	74	-12.72	PK
H	4592.060	43.50	6.48	36.37	44.05	42.30	54	-11.70	AV
H	10400.086	51.62	8.47	38.64	44.50	54.23	68.2	-13.97	PK
H	10400.086	41.21	8.47	38.64	44.50	43.82	54	-10.18	AV
H	15600.091	53.82	10.12	38.38	44.10	58.22	74	-15.78	PK
H	15600.091	42.55	10.12	38.38	44.10	46.95	54	-7.05	AV
High Channel (5240 MHz)-Above 1G									
V	4739.180	60.31	7.10	37.24	43.50	61.15	74	-12.85	PK
V	4739.180	43.81	7.10	37.24	43.50	44.65	54	-9.35	AV
V	10480.028	64.39	8.46	37.68	44.50	66.03	68.2	-2.17	PK
V	10480.028	43.98	8.46	37.68	44.50	45.62	54	-8.38	AV
V	15720.136	63.33	10.12	38.80	44.10	68.15	74	-5.85	PK
V	15720.136	43.97	10.12	38.80	42.70	50.19	54	-3.81	AV
H	4739.196	64.18	7.10	37.24	43.50	65.02	74	-8.98	PK
H	4739.196	43.19	7.10	37.24	43.50	44.03	54	-9.97	AV
H	10480.032	52.34	8.46	38.57	44.50	54.87	68.2	-13.33	PK
H	10480.032	42.08	8.46	38.57	44.50	44.61	54	-9.39	AV
H	15720.177	54.79	10.12	38.38	44.10	59.19	74	-14.81	PK
H	15720.177	40.72	10.12	38.38	44.10	45.12	54	-8.88	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode :	TX(5.1G) - 802.11n-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.139	60.72	5.94	35.40	44.00	58.06	68.2	-10.14	PK
V	4434.139	43.72	5.94	35.40	44.00	41.06	54	-12.94	AV
V	10380.065	60.02	8.46	39.75	44.50	63.73	68.2	-4.47	PK
V	10380.065	43.39	8.46	39.75	44.50	47.10	54	-6.90	AV
V	15570.067	60.95	10.12	38.80	44.10	65.77	74	-8.23	PK
V	15570.067	43.70	10.12	38.80	42.70	49.92	54	-4.08	AV
H	4434.174	60.89	5.94	35.18	44.00	58.01	74	-15.99	PK
H	4434.174	43.28	5.94	35.18	44.00	40.40	54	-13.60	AV
H	10380.062	50.39	8.46	38.71	44.50	53.06	68.2	-15.14	PK
H	10380.062	42.88	8.46	38.71	44.50	45.55	54	-8.45	AV
H	15570.089	50.09	10.12	38.38	44.10	54.49	74	-19.51	PK
H	15570.089	42.00	10.12	38.38	44.10	46.40	54	-7.60	AV
middle Channel (5230 MHz)-Above 1G									
V	4739.147	64.80	6.48	36.35	44.05	63.58	68.2	-4.62	PK
V	4739.147	43.69	6.48	36.35	44.05	42.47	54	-11.53	AV
V	10460.008	63.25	8.47	37.88	44.51	65.09	68.2	-3.11	PK
V	10460.008	43.45	8.47	37.88	44.51	45.29	54	-8.71	AV
V	15690.007	62.63	10.12	38.80	44.10	67.45	74	-6.55	PK
V	15690.007	43.05	10.12	38.80	42.70	49.27	54	-4.73	AV
H	4739.021	62.15	6.48	36.37	44.05	60.95	68.2	-7.25	PK
H	4739.021	43.32	6.48	36.37	44.05	42.12	54	-11.88	AV
H	10460.181	54.34	8.47	38.64	44.50	56.95	68.2	-11.25	PK
H	10460.181	44.86	8.47	38.64	44.50	47.47	54	-6.53	AV
H	15690.173	50.18	10.12	38.38	44.10	54.58	74	-19.42	PK
H	15690.173	43.40	10.12	38.38	44.10	47.80	54	-6.20	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.093	61.19	5.94	35.40	44.00	58.53	68.2	-9.67	PK
V	4434.093	43.76	5.94	35.40	44.00	41.10	54	-12.90	AV
V	10360.192	61.69	8.46	39.75	44.50	65.40	68.2	-2.80	PK
V	10360.192	43.95	8.46	39.75	44.50	47.66	54	-6.34	AV
V	15540.098	60.38	10.12	38.80	44.10	65.20	74	-8.80	PK
V	15540.098	43.00	10.12	38.80	42.70	49.22	54	-4.78	AV
H	4434.076	61.64	5.94	35.18	44.00	58.76	68.2	-9.44	PK
H	4434.076	43.44	5.94	35.18	44.00	40.56	54	-13.44	AV
H	10360.127	52.38	8.46	38.71	44.50	55.05	68.2	-13.15	PK
H	10360.127	40.82	8.46	38.71	44.50	43.49	54	-10.51	AV
H	15540.034	51.90	10.12	38.38	44.10	56.30	74	-17.70	PK
H	15540.034	42.30	10.12	38.38	44.10	46.70	54	-7.30	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.136	60.58	6.48	36.35	44.05	59.36	74	-14.64	PK
V	4592.136	43.63	6.48	36.35	44.05	42.41	54	-11.59	AV
V	10400.138	64.91	8.47	37.88	44.51	66.75	68.2	-1.45	PK
V	10400.138	43.28	8.47	37.88	44.51	45.12	54	-8.88	AV
V	15600.020	64.12	10.12	38.80	44.10	68.94	74	-5.06	PK
V	15600.020	43.14	10.12	38.80	42.70	49.36	54	-4.64	AV
H	4592.119	60.59	6.48	36.37	44.05	59.39	74	-14.61	PK
H	4592.119	43.84	6.48	36.37	44.05	42.64	54	-11.36	AV
H	10400.041	53.83	8.47	38.64	44.50	56.44	68.2	-11.76	PK
H	10400.041	41.15	8.47	38.64	44.50	43.76	54	-10.24	AV
H	15600.117	51.05	10.12	38.38	44.10	55.45	74	-18.55	PK
H	15600.117	42.90	10.12	38.38	44.10	47.30	54	-6.70	AV
High Channel (5240 MHz)-Above 1G									
V	4739.081	60.54	7.10	37.24	43.50	61.38	74	-12.62	PK
V	4739.081	43.11	7.10	37.24	43.50	43.95	54	-10.05	AV
V	10480.181	62.55	8.46	37.68	44.50	64.19	68.2	-4.01	PK
V	10480.181	43.63	8.46	37.68	44.50	45.27	54	-8.73	AV
V	15720.174	62.09	10.12	38.80	44.10	66.91	74	-7.09	PK
V	15720.174	43.71	10.12	38.80	42.70	49.93	54	-4.07	AV
H	4739.084	63.02	7.10	37.24	43.50	63.86	74	-10.14	PK
H	4739.084	43.36	7.10	37.24	43.50	44.20	54	-9.80	AV
H	10480.130	52.48	8.46	38.57	44.50	55.01	68.2	-13.19	PK
H	10480.130	44.30	8.46	38.57	44.50	46.83	54	-7.17	AV
H	15720.072	53.87	10.12	38.38	44.10	58.27	74	-15.73	PK
H	15720.072	44.41	10.12	38.38	44.10	48.81	54	-5.19	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) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.117	61.40	5.94	35.40	44.00	58.74	68.2	-9.46	PK
V	4434.117	43.59	5.94	35.40	44.00	40.93	54	-13.07	AV
V	10380.048	61.26	8.46	39.75	44.50	64.97	68.2	-3.23	PK
V	10380.048	43.22	8.46	39.75	44.50	46.93	54	-7.07	AV
V	15570.129	63.10	10.12	38.80	44.10	67.92	74	-6.08	PK
V	15570.129	43.93	10.12	38.80	42.70	50.15	54	-3.85	AV
H	4434.065	64.88	5.94	35.18	44.00	62.00	74	-12.00	PK
H	4434.065	43.16	5.94	35.18	44.00	40.28	54	-13.72	AV
H	10380.139	52.35	8.46	38.71	44.50	55.02	68.2	-13.18	PK
H	10380.139	44.49	8.46	38.71	44.50	47.16	54	-6.84	AV
H	15570.031	52.90	10.12	38.38	44.10	57.30	74	-16.70	PK
H	15570.031	40.86	10.12	38.38	44.10	45.26	54	-8.74	AV
High Channel (5230 MHz)-Above 1G									
V	4739.136	61.14	6.48	36.35	44.05	59.92	68.2	-8.28	PK
V	4739.136	43.47	6.48	36.35	44.05	42.25	54	-11.75	AV
V	10460.129	60.45	8.47	37.88	44.51	62.29	68.2	-5.91	PK
V	10460.129	43.67	8.47	37.88	44.51	45.51	54	-8.49	AV
V	15690.181	61.88	10.12	38.80	44.10	66.70	74	-7.30	PK
V	15690.181	43.18	10.12	38.80	42.70	49.40	54	-4.60	AV
H	4739.089	62.28	6.48	36.37	44.05	61.08	68.2	-7.12	PK
H	4739.089	43.21	6.48	36.37	44.05	42.01	54	-11.99	AV
H	10460.104	52.16	8.47	38.64	44.50	54.77	68.2	-13.43	PK
H	10460.104	43.62	8.47	38.64	44.50	46.23	54	-7.77	AV
H	15690.096	50.84	10.12	38.38	44.10	55.24	74	-18.76	PK
H	15690.096	44.24	10.12	38.38	44.10	48.64	54	-5.36	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5210 MHz)-Above 1G									
V	4434.067	64.61	5.94	35.40	44.00	61.95	68.2	-6.25	PK
V	4434.067	43.18	5.94	35.40	44.00	40.52	54	-13.48	AV
V	10420.052	63.51	8.46	39.75	44.50	67.22	68.2	-0.98	PK
V	10420.052	43.26	8.46	39.75	44.50	46.97	54	-7.03	AV
V	15630.014	64.04	10.12	38.80	44.10	68.86	74	-5.14	PK
V	15630.014	43.49	10.12	38.80	42.70	49.71	54	-4.29	AV
H	4434.182	60.64	5.94	35.18	44.00	57.76	68.2	-10.44	PK
H	4434.182	43.62	5.94	35.18	44.00	40.74	54	-13.26	AV
H	10420.128	51.91	8.46	38.71	44.50	54.58	68.2	-13.62	PK
H	10420.128	44.61	8.46	38.71	44.50	47.28	54	-6.72	AV
H	15630.112	51.08	10.12	38.38	44.10	55.48	74	-18.52	PK
H	15630.112	44.42	10.12	38.38	44.10	48.82	54	-5.18	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 (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5260 MHz)-Above 1G									
V	4434.175	60.69	5.94	35.40	44.00	58.03	68.2	-10.17	PK
V	4434.175	43.11	5.94	35.40	44.00	40.45	54	-13.55	AV
V	10520.078	61.24	8.46	39.75	44.50	64.95	68.2	-3.25	PK
V	10520.078	43.42	8.46	39.75	44.50	47.13	54	-6.87	AV
V	15780.169	62.87	10.12	38.80	44.10	67.69	74	-6.31	PK
V	15780.169	43.21	10.12	38.80	42.70	49.43	54	-4.57	AV
H	4434.163	64.40	5.94	35.18	44.00	61.52	68.2	-6.68	PK
H	4434.163	43.97	5.94	35.18	44.00	41.09	54	-12.91	AV
H	10520.126	51.01	8.46	38.71	44.50	53.68	68.2	-14.52	PK
H	10520.126	41.53	8.46	38.71	44.50	44.20	54	-9.80	AV
H	15780.063	54.02	10.12	38.38	44.10	58.42	74	-15.58	PK
H	15780.063	42.67	10.12	38.38	44.10	47.07	54	-6.93	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.136	62.40	6.48	36.35	44.05	61.18	74	-12.82	PK
V	4592.136	43.23	6.48	36.35	44.05	42.01	54	-11.99	AV
V	10560.059	63.78	8.47	37.88	44.51	65.62	68.2	-2.58	PK
V	10560.059	43.47	8.47	37.88	44.51	45.31	54	-8.69	AV
V	15840.178	62.91	10.12	38.80	44.10	67.73	74	-6.27	PK
V	15840.178	43.27	10.12	38.80	42.70	49.49	54	-4.51	AV
H	4592.003	64.41	6.48	36.37	44.05	63.21	74	-10.79	PK
H	4592.003	43.03	6.48	36.37	44.05	41.83	54	-12.17	AV
H	10560.020	51.15	8.47	38.64	44.50	53.76	68.2	-14.44	PK
H	10560.020	40.34	8.47	38.64	44.50	42.95	54	-11.05	AV
H	15840.049	53.29	10.12	38.38	44.10	57.69	74	-16.31	PK
H	15840.049	41.33	10.12	38.38	44.10	45.73	54	-8.27	AV
High Channel (5320 MHz)-Above 1G									
V	4739.062	60.69	7.10	37.24	43.50	61.53	74	-12.47	PK
V	4739.062	43.51	7.10	37.24	43.50	44.35	54	-9.65	AV
V	10640.141	62.86	8.46	37.68	44.50	64.50	68.2	-3.70	PK
V	10640.141	43.42	8.46	37.68	44.50	45.06	54	-8.94	AV
V	15960.062	61.42	10.12	38.80	44.10	66.24	74	-7.76	PK
V	15960.062	43.29	10.12	38.80	42.70	49.51	54	-4.49	AV
H	4739.099	61.08	7.10	37.24	43.50	61.92	74	-12.08	PK
H	4739.099	43.19	7.10	37.24	43.50	44.03	54	-9.97	AV
H	10640.024	52.42	8.46	38.57	44.50	54.95	68.2	-13.25	PK
H	10640.024	43.36	8.46	38.57	44.50	45.89	54	-8.11	AV
H	15960.045	51.59	10.12	38.38	44.10	55.99	74	-18.01	PK
H	15960.045	42.03	10.12	38.38	44.10	46.43	54	-7.57	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.

The worst case is Antenna A.

Test Mode:	TX(5.3G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5260 MHz)-Above 1G									
V	4434.066	62.26	5.94	35.40	44.00	59.60	68.2	-8.60	PK
V	4434.066	43.77	5.94	35.40	44.00	41.11	54	-12.89	AV
V	10520.101	63.37	8.46	39.75	44.50	67.08	68.2	-1.12	PK
V	10520.101	43.67	8.46	39.75	44.50	47.38	54	-6.62	AV
V	15780.082	64.97	10.12	38.80	44.10	69.79	74	-4.21	PK
V	15780.082	43.60	10.12	38.80	42.70	49.82	54	-4.18	AV
H	4434.120	60.12	5.94	35.18	44.00	57.24	68.2	-10.96	PK
H	4434.120	43.31	5.94	35.18	44.00	40.43	54	-13.57	AV
H	10520.040	53.37	8.46	38.71	44.50	56.04	68.2	-12.16	PK
H	10520.040	41.98	8.46	38.71	44.50	44.65	54	-9.35	AV
H	15780.109	53.16	10.12	38.38	44.10	57.56	74	-16.44	PK
H	15780.109	44.30	10.12	38.38	44.10	48.70	54	-5.30	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.172	60.62	6.48	36.35	44.05	59.40	74	-14.60	PK
V	4592.172	43.17	6.48	36.35	44.05	41.95	54	-12.05	AV
V	10560.192	60.57	8.47	37.88	44.51	62.41	68.2	-5.79	PK
V	10560.192	43.77	8.47	37.88	44.51	45.61	54	-8.39	AV
V	15840.115	62.35	10.12	38.80	44.10	67.17	74	-6.83	PK
V	15840.115	43.96	10.12	38.80	42.70	50.18	54	-3.82	AV
H	4592.007	60.71	6.48	36.37	44.05	59.51	74	-14.49	PK
H	4592.007	43.39	6.48	36.37	44.05	42.19	54	-11.81	AV
H	10560.128	52.07	8.47	38.64	44.50	54.68	68.2	-13.52	PK
H	10560.128	40.70	8.47	38.64	44.50	43.31	54	-10.69	AV
H	15840.134	50.57	10.12	38.38	44.10	54.97	74	-19.03	PK
H	15840.134	44.82	10.12	38.38	44.10	49.22	54	-4.78	AV
High Channel (5320 MHz)-Above 1G									
V	4739.105	63.60	7.10	37.24	43.50	64.44	74	-9.56	PK
V	4739.105	43.50	7.10	37.24	43.50	44.34	54	-9.66	AV
V	10640.083	64.24	8.46	37.68	44.50	65.88	68.2	-2.32	PK
V	10640.083	43.24	8.46	37.68	44.50	44.88	54	-9.12	AV
V	15960.086	64.30	10.12	38.80	44.10	69.12	74	-4.88	PK
V	15960.086	43.96	10.12	38.80	42.70	50.18	54	-3.82	AV
H	4739.188	60.57	7.10	37.24	43.50	61.41	74	-12.59	PK
H	4739.188	43.19	7.10	37.24	43.50	44.03	54	-9.97	AV
H	10640.143	50.75	8.46	38.57	44.50	53.28	68.2	-14.92	PK
H	10640.143	41.09	8.46	38.57	44.50	43.62	54	-10.38	AV
H	15960.133	54.35	10.12	38.38	44.10	58.75	74	-15.25	PK
H	15960.133	44.62	10.12	38.38	44.10	49.02	54	-4.98	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode :	TX(5.3G) - 802.11n-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5270 MHz)-Above 1G									
V	4434.157	60.50	5.94	35.40	44.00	57.84	68.2	-10.36	PK
V	4434.157	43.42	5.94	35.40	44.00	40.76	54	-13.24	AV
V	10540.064	62.22	8.46	39.75	44.50	65.93	68.2	-2.27	PK
V	10540.064	43.11	8.46	39.75	44.50	46.82	54	-7.18	AV
V	15810.180	63.87	10.12	38.80	44.10	68.69	74	-5.31	PK
V	15810.180	43.78	10.12	38.80	42.70	50.00	54	-4.00	AV
H	4434.168	60.18	5.94	35.18	44.00	57.30	74	-16.70	PK
H	4434.168	43.64	5.94	35.18	44.00	40.76	54	-13.24	AV
H	10540.107	54.13	8.46	38.71	44.50	56.80	68.2	-11.40	PK
H	10540.107	40.81	8.46	38.71	44.50	43.48	54	-10.52	AV
H	15810.023	50.61	10.12	38.38	44.10	55.01	74	-18.99	PK
H	15810.023	41.30	10.12	38.38	44.10	45.70	54	-8.30	AV
middle Channel (5310 MHz)-Above 1G									
V	4739.104	61.45	6.48	36.35	44.05	60.23	68.2	-7.97	PK
V	4739.104	43.35	6.48	36.35	44.05	42.13	54	-11.87	AV
V	10620.081	64.81	8.47	37.88	44.51	66.65	68.2	-1.55	PK
V	10620.081	43.99	8.47	37.88	44.51	45.83	54	-8.17	AV
V	15930.084	64.78	10.12	38.80	44.10	69.60	74	-4.40	PK
V	15930.084	43.93	10.12	38.80	42.70	50.15	54	-3.85	AV
H	4739.131	61.33	6.48	36.37	44.05	60.13	68.2	-8.07	PK
H	4739.131	43.43	6.48	36.37	44.05	42.23	54	-11.77	AV
H	10620.089	51.71	8.47	38.64	44.50	54.32	68.2	-13.88	PK
H	10620.089	40.67	8.47	38.64	44.50	43.28	54	-10.72	AV
H	15930.150	50.25	10.12	38.38	44.10	54.65	74	-19.35	PK
H	15930.150	42.93	10.12	38.38	44.10	47.33	54	-6.67	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) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5260 MHz)-Above 1G									
V	4434.007	62.80	5.94	35.40	44.00	60.14	68.2	-8.06	PK
V	4434.007	43.31	5.94	35.40	44.00	40.65	54	-13.35	AV
V	10520.079	60.70	8.46	39.75	44.50	64.41	68.2	-3.79	PK
V	10520.079	43.17	8.46	39.75	44.50	46.88	54	-7.12	AV
V	15780.074	64.59	10.12	38.80	44.10	69.41	74	-4.59	PK
V	15780.074	43.62	10.12	38.80	42.70	49.84	54	-4.16	AV
H	4434.009	61.40	5.94	35.18	44.00	58.52	68.2	-9.68	PK
H	4434.009	43.02	5.94	35.18	44.00	40.14	54	-13.86	AV
H	10520.059	51.18	8.46	38.71	44.50	53.85	68.2	-14.35	PK
H	10520.059	44.22	8.46	38.71	44.50	46.89	54	-7.11	AV
H	15780.200	50.64	10.12	38.38	44.10	55.04	74	-18.96	PK
H	15780.200	42.20	10.12	38.38	44.10	46.60	54	-7.40	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.126	62.92	6.48	36.35	44.05	61.70	74	-12.30	PK
V	4592.126	43.52	6.48	36.35	44.05	42.30	54	-11.70	AV
V	10560.158	60.80	8.47	37.88	44.51	62.64	68.2	-5.56	PK
V	10560.158	43.56	8.47	37.88	44.51	45.40	54	-8.60	AV
V	15840.129	60.79	10.12	38.80	44.10	65.61	74	-8.39	PK
V	15840.129	43.48	10.12	38.80	42.70	49.70	54	-4.30	AV
H	4592.092	61.01	6.48	36.37	44.05	59.81	74	-14.19	PK
H	4592.092	43.08	6.48	36.37	44.05	41.88	54	-12.12	AV
H	10560.052	52.35	8.47	38.64	44.50	54.96	68.2	-13.24	PK
H	10560.052	43.10	8.47	38.64	44.50	45.71	54	-8.29	AV
H	15840.191	54.07	10.12	38.38	44.10	58.47	74	-15.53	PK
H	15840.191	42.79	10.12	38.38	44.10	47.19	54	-6.81	AV
High Channel (5320 MHz)-Above 1G									
V	4739.069	63.06	7.10	37.24	43.50	63.90	74	-10.10	PK
V	4739.069	43.57	7.10	37.24	43.50	44.41	54	-9.59	AV
V	10640.089	60.25	8.46	37.68	44.50	61.89	68.2	-6.31	PK
V	10640.089	43.86	8.46	37.68	44.50	45.50	54	-8.50	AV
V	15960.027	64.71	10.12	38.80	44.10	69.53	74	-4.47	PK
V	15960.027	43.46	10.12	38.80	42.70	49.68	54	-4.32	AV
H	4739.190	61.72	7.10	37.24	43.50	62.56	74	-11.44	PK
H	4739.190	43.33	7.10	37.24	43.50	44.17	54	-9.83	AV
H	10640.090	54.09	8.46	38.57	44.50	56.62	68.2	-11.58	PK
H	10640.090	40.65	8.46	38.57	44.50	43.18	54	-10.82	AV
H	15960.142	54.91	10.12	38.38	44.10	59.31	74	-14.69	PK
H	15960.142	43.41	10.12	38.38	44.10	47.81	54	-6.19	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(5.3G) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5270 MHz)-Above 1G									
V	4739.069	63.06	7.10	37.24	43.50	63.90	74	-10.10	PK
V	4739.069	43.57	7.10	37.24	43.50	44.41	54	-9.59	AV
V	10640.089	60.25	8.46	37.68	44.50	61.89	68.2	-6.31	PK
V	10640.089	43.86	8.46	37.68	44.50	45.50	54	-8.50	AV
V	15960.027	64.71	10.12	38.80	44.10	69.53	74	-4.47	PK
V	15960.027	43.46	10.12	38.80	42.70	49.68	54	-4.32	AV
H	4739.190	61.72	7.10	37.24	43.50	62.56	74	-11.44	PK
H	4739.190	43.33	7.10	37.24	43.50	44.17	54	-9.83	AV
H	10640.090	54.09	8.46	38.57	44.50	56.62	68.2	-11.58	PK
H	10640.090	40.65	8.46	38.57	44.50	43.18	54	-10.82	AV
H	15960.142	54.91	10.12	38.38	44.10	59.31	74	-14.69	PK
H	15960.142	43.41	10.12	38.38	44.10	47.81	54	-6.19	AV
middle Channel (5310 MHz)-Above 1G									
V	4739.026	61.58	6.48	36.35	44.05	60.36	68.2	-7.84	PK
V	4739.026	43.26	6.48	36.35	44.05	42.04	54	-11.96	AV
V	10620.045	63.18	8.47	37.88	44.51	65.02	68.2	-3.18	PK
V	10620.045	43.04	8.47	37.88	44.51	44.88	54	-9.12	AV
V	15930.123	60.69	10.12	38.80	44.10	65.51	74	-8.49	PK
V	15930.123	43.33	10.12	38.80	42.70	49.55	54	-4.45	AV
H	4739.092	63.75	6.48	36.37	44.05	62.55	68.2	-5.65	PK
H	4739.092	43.28	6.48	36.37	44.05	42.08	54	-11.92	AV
H	10620.075	50.92	8.47	38.64	44.50	53.53	68.2	-14.67	PK
H	10620.075	44.17	8.47	38.64	44.50	46.78	54	-7.22	AV
H	15930.003	53.41	10.12	38.38	44.10	57.81	74	-16.19	PK
H	15930.003	44.04	10.12	38.38	44.10	48.44	54	-5.56	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.3G) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5290 MHz)-Above 1G									
V	4434.112	61.70	5.94	35.40	44.00	59.04	68.2	-9.16	PK
V	4434.112	43.41	5.94	35.40	44.00	40.75	54	-13.25	AV
V	10580.001	61.77	8.46	39.75	44.50	65.48	68.2	-2.72	PK
V	10580.001	43.62	8.46	39.75	44.50	47.33	54	-6.67	AV
V	15870.145	63.71	10.12	38.80	44.10	68.53	74	-5.47	PK
V	15870.145	43.87	10.12	38.80	42.70	50.09	54	-3.91	AV
H	4434.060	62.57	5.94	35.18	44.00	59.69	68.2	-8.51	PK
H	4434.060	43.82	5.94	35.18	44.00	40.94	54	-13.06	AV
H	10580.193	52.72	8.46	38.71	44.50	55.39	68.2	-12.81	PK
H	10580.193	40.68	8.46	38.71	44.50	43.35	54	-10.65	AV
H	15870.134	51.22	10.12	38.38	44.10	55.62	74	-18.38	PK
H	15870.134	42.46	10.12	38.38	44.10	46.86	54	-7.14	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) - 802.11a
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5500 MHz)-Above 1G									
V	4434.194	63.96	5.94	35.40	44.00	61.30	68.2	-6.90	PK
V	4434.194	43.06	5.94	35.40	44.00	40.40	54	-13.60	AV
V	11000.135	63.16	8.46	39.75	44.50	66.87	68.2	-1.33	PK
V	11000.135	43.69	8.46	39.75	44.50	47.40	54	-6.60	AV
V	16500.155	63.06	10.12	38.80	44.10	67.88	74	-6.12	PK
V	16500.155	43.80	10.12	38.80	42.70	50.02	54	-3.98	AV
H	4434.166	61.78	5.94	35.18	44.00	58.90	68.2	-9.30	PK
H	4434.166	43.89	5.94	35.18	44.00	41.01	54	-12.99	AV
H	11000.106	54.09	8.46	38.71	44.50	56.76	68.2	-11.44	PK
H	11000.106	41.27	8.46	38.71	44.50	43.94	54	-10.06	AV
H	16500.108	50.33	10.12	38.38	44.10	54.73	74	-19.27	PK
H	16500.108	40.26	10.12	38.38	44.10	44.66	54	-9.34	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.050	64.35	6.48	36.35	44.05	63.13	74	-10.87	PK
V	4592.050	43.74	6.48	36.35	44.05	42.52	54	-11.48	AV
V	11160.181	61.08	8.47	37.88	44.51	62.92	68.2	-5.28	PK
V	11160.181	43.12	8.47	37.88	44.51	44.96	54	-9.04	AV
V	16740.061	64.20	10.12	38.80	44.10	69.02	74	-4.98	PK
V	16740.061	43.50	10.12	38.80	42.70	49.72	54	-4.28	AV
H	4592.173	64.02	6.48	36.37	44.05	62.82	74	-11.18	PK
H	4592.173	43.74	6.48	36.37	44.05	42.54	54	-11.46	AV
H	11160.188	54.54	8.47	38.64	44.50	57.15	68.2	-11.05	PK
H	11160.188	42.22	8.47	38.64	44.50	44.83	54	-9.17	AV
H	16740.163	54.69	10.12	38.38	44.10	59.09	74	-14.91	PK
H	16740.163	42.08	10.12	38.38	44.10	46.48	54	-7.52	AV
High Channel (5700 MHz)-Above 1G									
V	4739.058	62.79	7.10	37.24	43.50	63.63	74	-10.37	PK
V	4739.058	43.60	7.10	37.24	43.50	44.44	54	-9.56	AV
V	11400.101	60.20	8.46	37.68	44.50	61.84	68.2	-6.36	PK
V	11400.101	43.66	8.46	37.68	44.50	45.30	54	-8.70	AV
V	17100.101	63.06	10.12	38.80	44.10	67.88	74	-6.12	PK
V	17100.101	43.50	10.12	38.80	42.70	49.72	54	-4.28	AV
H	4739.150	62.29	7.10	37.24	43.50	63.13	74	-10.87	PK
H	4739.150	43.49	7.10	37.24	43.50	44.33	54	-9.67	AV
H	11400.141	51.43	8.46	38.57	44.50	53.96	68.2	-14.24	PK
H	11400.141	42.73	8.46	38.57	44.50	45.26	54	-8.74	AV
H	17100.008	53.50	10.12	38.38	44.10	57.90	74	-16.10	PK
H	17100.008	42.09	10.12	38.38	44.10	46.49	54	-7.51	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 (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5500 MHz)-Above 1G									
V	4434.043	61.74	5.94	35.40	44.00	59.08	68.2	-9.12	PK
V	4434.043	43.88	5.94	35.40	44.00	41.22	54	-12.78	AV
V	11000.013	61.80	8.46	39.75	44.50	65.51	68.2	-2.69	PK
V	11000.013	43.15	8.46	39.75	44.50	46.86	54	-7.14	AV
V	16500.105	63.78	10.12	38.80	44.10	68.60	74	-5.40	PK
V	16500.105	43.62	10.12	38.80	42.70	49.84	54	-4.16	AV
H	4434.151	61.46	5.94	35.18	44.00	58.58	68.2	-9.62	PK
H	4434.151	43.52	5.94	35.18	44.00	40.64	54	-13.36	AV
H	11000.014	54.42	8.46	38.71	44.50	57.09	68.2	-11.11	PK
H	11000.014	43.82	8.46	38.71	44.50	46.49	54	-7.51	AV
H	16500.152	50.77	10.12	38.38	44.10	55.17	74	-18.83	PK
H	16500.152	42.73	10.12	38.38	44.10	47.13	54	-6.87	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.179	61.07	6.48	36.35	44.05	59.85	74	-14.15	PK
V	4592.179	43.17	6.48	36.35	44.05	41.95	54	-12.05	AV
V	11160.145	60.86	8.47	37.88	44.51	62.70	68.2	-5.50	PK
V	11160.145	43.78	8.47	37.88	44.51	45.62	54	-8.38	AV
V	16740.129	61.46	10.12	38.80	44.10	66.28	74	-7.72	PK
V	16740.129	43.92	10.12	38.80	42.70	50.14	54	-3.86	AV
H	4592.176	64.20	6.48	36.37	44.05	63.00	74	-11.00	PK
H	4592.176	43.27	6.48	36.37	44.05	42.07	54	-11.93	AV
H	11160.097	52.30	8.47	38.64	44.50	54.91	68.2	-13.29	PK
H	11160.097	42.73	8.47	38.64	44.50	45.34	54	-8.66	AV
H	16740.078	50.31	10.12	38.38	44.10	54.71	74	-19.29	PK
H	16740.078	41.17	10.12	38.38	44.10	45.57	54	-8.43	AV
High Channel (5700 MHz)-Above 1G									
V	4739.167	61.73	7.10	37.24	43.50	62.57	74	-11.43	PK
V	4739.167	43.01	7.10	37.24	43.50	43.85	54	-10.15	AV
V	11400.036	62.41	8.46	37.68	44.50	64.05	68.2	-4.15	PK
V	11400.036	43.64	8.46	37.68	44.50	45.28	54	-8.72	AV
V	17100.138	64.86	10.12	38.80	44.10	69.68	74	-4.32	PK
V	17100.138	43.77	10.12	38.80	42.70	49.99	54	-4.01	AV
H	4739.065	64.94	7.10	37.24	43.50	65.78	74	-8.22	PK
H	4739.065	43.53	7.10	37.24	43.50	44.37	54	-9.63	AV
H	11400.067	54.85	8.46	38.57	44.50	57.38	68.2	-10.82	PK
H	11400.067	41.34	8.46	38.57	44.50	43.87	54	-10.13	AV
H	17100.165	50.11	10.12	38.38	44.10	54.51	74	-19.49	PK
H	17100.165	40.53	10.12	38.38	44.10	44.93	54	-9.07	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.6G) - 802.11n-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
Low Channel (5510 MHz)-Above 1G									
V	4434.054	60.54	5.94	35.40	44.00	57.88	68.2	-10.32	PK
V	4434.054	43.97	5.94	35.40	44.00	41.31	54	-12.69	AV
V	11020.055	61.34	8.46	39.75	44.50	65.05	68.2	-3.15	PK
V	11020.055	43.46	8.46	39.75	44.50	47.17	54	-6.83	AV
V	16530.150	64.56	10.12	38.80	44.10	69.38	74	-4.62	PK
V	16530.150	43.31	10.12	38.80	42.70	49.53	54	-4.47	AV
H	4434.146	63.30	5.94	35.18	44.00	60.42	74	-13.58	PK
H	4434.146	43.30	5.94	35.18	44.00	40.42	54	-13.58	AV
H	11020.020	50.68	8.46	38.71	44.50	53.35	68.2	-14.85	PK
H	11020.020	42.84	8.46	38.71	44.50	45.51	54	-8.49	AV
H	16530.100	50.41	10.12	38.38	44.10	54.81	74	-19.19	PK
H	16530.100	44.80	10.12	38.38	44.10	49.20	54	-4.80	AV
Middle Channel (5590 MHz)-Above 1G									
V	4592.091	62.25	6.48	36.35	44.05	61.03	74	-12.97	PK
V	4592.091	43.02	6.48	36.35	44.05	41.80	54	-12.20	AV
V	11100.173	61.56	8.47	37.88	44.51	63.40	68.2	-4.80	PK
V	11100.173	43.80	8.47	37.88	44.51	45.64	54	-8.36	AV
V	16650.136	61.49	10.12	38.80	44.10	66.31	74	-7.69	PK
V	16650.136	43.04	10.12	38.80	42.70	49.26	54	-4.74	AV
H	4592.013	62.37	6.48	36.37	44.05	61.17	74	-12.83	PK
H	4592.013	43.19	6.48	36.37	44.05	41.99	54	-12.01	AV
H	11100.063	54.95	8.47	38.64	44.50	57.56	68.2	-10.64	PK
H	11100.063	43.59	8.47	38.64	44.50	46.20	54	-7.80	AV
H	16650.199	53.58	10.12	38.38	44.10	57.98	74	-16.02	PK
H	16650.199	43.53	10.12	38.38	44.10	47.93	54	-6.07	AV
High Channel (5670 MHz)-Above 1G									
V	4739.002	62.08	6.48	36.35	44.05	60.86	68.2	-7.34	PK
V	4739.002	43.83	6.48	36.35	44.05	42.61	54	-11.39	AV
V	11340.175	64.29	8.47	37.88	44.51	66.13	68.2	-2.07	PK
V	11340.175	43.10	8.47	37.88	44.51	44.94	54	-9.06	AV
V	17010.081	63.21	10.12	38.80	44.10	68.03	74	-5.97	PK
V	17010.081	43.87	10.12	38.80	42.70	50.09	54	-3.91	AV
H	4739.035	62.05	6.48	36.37	44.05	60.85	68.2	-7.35	PK
H	4739.035	43.81	6.48	36.37	44.05	42.61	54	-11.39	AV
H	11340.125	52.48	8.47	38.64	44.50	55.09	68.2	-13.11	PK
H	11340.125	44.43	8.47	38.64	44.50	47.04	54	-6.96	AV
H	17010.157	50.03	10.12	38.38	44.10	54.43	74	-19.57	PK
H	17010.157	43.48	10.12	38.38	44.10	47.88	54	-6.12	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 (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5500 MHz)-Above 1G									
V	4434.053	63.01	5.94	35.40	44.00	60.35	68.2	-7.85	PK
V	4434.053	43.32	5.94	35.40	44.00	40.66	54	-13.34	AV
V	11000.146	61.09	8.46	39.75	44.50	64.80	68.2	-3.40	PK
V	11000.146	43.30	8.46	39.75	44.50	47.01	54	-6.99	AV
V	16500.059	62.22	10.12	38.80	44.10	67.04	74	-6.96	PK
V	16500.059	43.50	10.12	38.80	42.70	49.72	54	-4.28	AV
H	4434.106	62.80	5.94	35.18	44.00	59.92	68.2	-8.28	PK
H	4434.106	43.60	5.94	35.18	44.00	40.72	54	-13.28	AV
H	11000.117	51.66	8.46	38.71	44.50	54.33	68.2	-13.87	PK
H	11000.117	40.15	8.46	38.71	44.50	42.82	54	-11.18	AV
H	16500.035	51.52	10.12	38.38	44.10	55.92	74	-18.08	PK
H	16500.035	44.69	10.12	38.38	44.10	49.09	54	-4.91	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.002	60.56	6.48	36.35	44.05	59.34	74	-14.66	PK
V	4592.002	43.82	6.48	36.35	44.05	42.60	54	-11.40	AV
V	11160.179	63.17	8.47	37.88	44.51	65.01	68.2	-3.19	PK
V	11160.179	43.19	8.47	37.88	44.51	45.03	54	-8.97	AV
V	16740.000	64.77	10.12	38.80	44.10	69.59	74	-4.41	PK
V	16740.000	43.14	10.12	38.80	42.70	49.36	54	-4.64	AV
H	4592.162	64.67	6.48	36.37	44.05	63.47	74	-10.53	PK
H	4592.162	43.87	6.48	36.37	44.05	42.67	54	-11.33	AV
H	11160.107	50.78	8.47	38.64	44.50	53.39	68.2	-14.81	PK
H	11160.107	43.55	8.47	38.64	44.50	46.16	54	-7.84	AV
H	16740.090	54.02	10.12	38.38	44.10	58.42	74	-15.58	PK
H	16740.090	40.52	10.12	38.38	44.10	44.92	54	-9.08	AV
High Channel (5700 MHz)-Above 1G									
V	4739.133	64.25	7.10	37.24	43.50	65.09	74	-8.91	PK
V	4739.133	43.11	7.10	37.24	43.50	43.95	54	-10.05	AV
V	11400.167	62.00	8.46	37.68	44.50	63.64	68.2	-4.56	PK
V	11400.167	43.39	8.46	37.68	44.50	45.03	54	-8.97	AV
V	17100.076	62.84	10.12	38.80	44.10	67.66	74	-6.34	PK
V	17100.076	43.62	10.12	38.80	42.70	49.84	54	-4.16	AV
H	4739.139	63.98	7.10	37.24	43.50	64.82	74	-9.18	PK
H	4739.139	43.67	7.10	37.24	43.50	44.51	54	-9.49	AV
H	11400.073	52.04	8.46	38.57	44.50	54.57	68.2	-13.63	PK
H	11400.073	42.73	8.46	38.57	44.50	45.26	54	-8.74	AV
H	17100.038	54.62	10.12	38.38	44.10	59.02	74	-14.98	PK
H	17100.038	43.85	10.12	38.38	44.10	48.25	54	-5.75	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(5.6G) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5510 MHz)-Above 1G									
V	4434.149	61.24	5.94	35.40	44.00	58.58	68.2	-9.62	PK
V	4434.149	43.42	5.94	35.40	44.00	40.76	54	-13.24	AV
V	11020.090	60.87	8.46	39.75	44.50	64.58	68.2	-3.62	PK
V	11020.090	43.21	8.46	39.75	44.50	46.92	54	-7.08	AV
V	16530.168	60.85	10.12	38.80	44.10	65.67	74	-8.33	PK
V	16530.168	43.89	10.12	38.80	42.70	50.11	54	-3.89	AV
H	4434.198	61.98	5.94	35.18	44.00	59.10	74	-14.90	PK
H	4434.198	43.55	5.94	35.18	44.00	40.67	54	-13.33	AV
H	11020.002	52.65	8.46	38.71	44.50	55.32	68.2	-12.88	PK
H	11020.002	41.78	8.46	38.71	44.50	44.45	54	-9.55	AV
H	16530.121	51.85	10.12	38.38	44.10	56.25	74	-17.75	PK
H	16530.121	42.74	10.12	38.38	44.10	47.14	54	-6.86	AV
Middle Channel (5590 MHz)-Above 1G									
V	4592.114	60.37	6.48	36.35	44.05	59.15	74	-14.85	PK
V	4592.114	43.34	6.48	36.35	44.05	42.12	54	-11.88	AV
V	11100.128	60.64	8.47	37.88	44.51	62.48	68.2	-5.72	PK
V	11100.128	43.74	8.47	37.88	44.51	45.58	54	-8.42	AV
V	16650.123	60.13	10.12	38.80	44.10	64.95	74	-9.05	PK
V	16650.123	43.99	10.12	38.80	42.70	50.21	54	-3.79	AV
H	4592.136	64.18	6.48	36.37	44.05	62.98	74	-11.02	PK
H	4592.136	43.43	6.48	36.37	44.05	42.23	54	-11.77	AV
H	11100.098	53.51	8.47	38.64	44.50	56.12	68.2	-12.08	PK
H	11100.098	43.29	8.47	38.64	44.50	45.90	54	-8.10	AV
H	16650.084	50.38	10.12	38.38	44.10	54.78	74	-19.22	PK
H	16650.084	43.82	10.12	38.38	44.10	48.22	54	-5.78	AV
High Channel (5670 MHz)-Above 1G									
V	4739.081	64.48	6.48	36.35	44.05	63.26	68.2	-4.94	PK
V	4739.081	43.62	6.48	36.35	44.05	42.40	54	-11.60	AV
V	11340.137	61.06	8.47	37.88	44.51	62.90	68.2	-5.30	PK
V	11340.137	43.22	8.47	37.88	44.51	45.06	54	-8.94	AV
V	17010.138	60.74	10.12	38.80	44.10	65.56	74	-8.44	PK
V	17010.138	43.10	10.12	38.80	42.70	49.32	54	-4.68	AV
H	4739.191	63.10	6.48	36.37	44.05	61.90	68.2	-6.30	PK
H	4739.191	43.95	6.48	36.37	44.05	42.75	54	-11.25	AV
H	11340.082	54.70	8.47	38.64	44.50	57.31	68.2	-10.89	PK
H	11340.082	41.36	8.47	38.64	44.50	43.97	54	-10.03	AV
H	17010.062	52.01	10.12	38.38	44.10	56.41	74	-17.59	PK
H	17010.062	43.15	10.12	38.38	44.10	47.55	54	-6.45	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(5.6G) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5530 MHz)-Above 1G									
V	4434.095	63.69	5.94	35.40	44.00	61.03	68.2	-7.17	PK
V	4434.095	43.51	5.94	35.40	44.00	40.85	54	-13.15	AV
V	11060.061	61.98	8.46	39.75	44.50	65.69	68.2	-2.51	PK
V	11060.061	43.07	8.46	39.75	44.50	46.78	54	-7.22	AV
V	16590.038	62.35	10.12	38.80	44.10	67.17	74	-6.83	PK
V	16590.038	43.51	10.12	38.80	42.70	49.73	54	-4.27	AV
H	4434.114	64.35	5.94	35.18	44.00	61.47	68.2	-6.73	PK
H	4434.114	43.70	5.94	35.18	44.00	40.82	54	-13.18	AV
H	11060.158	50.02	8.46	38.71	44.50	52.69	68.2	-15.51	PK
H	11060.158	40.39	8.46	38.71	44.50	43.06	54	-10.94	AV
H	16590.150	51.17	10.12	38.38	44.10	55.57	74	-18.43	PK
H	16590.150	40.08	10.12	38.38	44.10	44.48	54	-9.52	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11a
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.064	56.69	5.94	35.40	44.00	54.03	74	-19.97	PK
V	4679.064	43.06	5.94	35.40	44.00	40.40	54	-13.60	AV
V	11490.028	54.88	8.46	39.75	44.50	58.59	68.2	-9.61	PK
V	11490.028	43.09	8.46	39.75	44.50	46.80	54	-7.20	AV
V	17235.187	58.10	10.12	38.80	44.10	62.92	68.2	-5.28	PK
V	17235.187	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4679.040	56.10	5.94	35.18	44.00	53.22	74	-20.78	PK
H	4679.040	43.09	5.94	35.18	44.00	40.21	54	-13.79	AV
H	11490.170	51.77	8.46	38.71	44.50	54.44	68.2	-13.76	PK
H	11490.170	44.46	8.46	38.71	44.50	47.13	54	-6.87	AV
H	17235.069	51.21	10.12	38.38	44.10	55.61	68.2	-12.59	PK
H	17235.069	41.55	10.12	38.38	44.10	45.95	54	-8.05	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.193	57.16	6.48	36.35	44.05	55.94	74	-18.06	PK
V	4592.193	43.08	6.48	36.35	44.05	41.86	54	-12.14	AV
V	11570.062	57.24	8.47	37.88	44.51	59.08	68.2	-9.12	PK
V	11570.062	43.61	8.47	37.88	44.51	45.45	54	-8.55	AV
V	17355.053	59.66	10.12	38.80	44.10	64.48	68.2	-3.72	PK
V	17355.053	39.32	10.12	38.80	42.70	45.54	54	-8.46	AV
H	4592.002	57.90	6.48	36.37	44.05	56.70	74	-17.30	PK
H	4592.002	43.77	6.48	36.37	44.05	42.57	54	-11.43	AV
H	11570.051	54.32	8.47	38.64	44.50	56.93	68.2	-11.27	PK
H	11570.051	40.72	8.47	38.64	44.50	43.33	54	-10.67	AV
H	17355.035	51.43	10.12	38.38	44.10	55.83	68.2	-12.37	PK
H	17355.035	42.89	10.12	38.38	44.10	47.29	54	-6.71	AV
High Channel (5825 MHz)-Above 1G									
V	6039.008	59.98	7.10	37.24	43.50	60.82	68.2	-7.38	PK
V	6039.008	43.74	7.10	37.24	43.50	44.58	54	-9.42	AV
V	11650.194	61.26	8.46	37.68	44.50	62.90	74	-11.10	PK
V	11650.194	43.27	8.46	37.68	44.50	44.91	54	-9.09	AV
V	17475.065	53.99	10.12	38.80	44.10	58.81	68.2	-9.39	PK
V	17475.065	43.95	10.12	38.80	42.70	50.17	54	-3.83	AV
H	6039.100	55.81	7.10	37.24	43.50	56.65	68.2	-11.55	PK
H	6039.100	43.60	7.10	37.24	43.50	44.44	54	-9.56	AV
H	11650.027	53.13	8.46	38.57	44.50	55.66	74	-18.34	PK
H	11650.027	44.13	8.46	38.57	44.50	46.66	54	-7.34	AV
H	17475.196	52.12	10.12	38.38	44.10	56.52	68.2	-11.68	PK
H	17475.196	41.00	10.12	38.38	44.10	45.40	54	-8.60	AV

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

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

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

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

The worst case is Antenna A.

Test Mode:	TX(5.8G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.044	58.00	5.94	35.40	44.00	55.34	74	-18.66	PK
V	4679.044	43.92	5.94	35.40	44.00	41.26	54	-12.74	AV
V	11490.047	55.60	8.46	39.75	44.50	59.31	68.2	-8.89	PK
V	11490.047	43.24	8.46	39.75	44.50	46.95	54	-7.05	AV
V	17235.159	59.84	10.12	38.80	44.10	64.66	68.2	-3.54	PK
V	17235.159	43.43	10.12	38.80	42.70	49.65	54	-4.35	AV
H	4679.035	57.56	5.94	35.18	44.00	54.68	74	-19.32	PK
H	4679.035	43.30	5.94	35.18	44.00	40.42	54	-13.58	AV
H	11490.158	48.01	8.46	38.71	44.50	50.68	68.2	-17.52	PK
H	11490.158	40.49	8.46	38.71	44.50	43.16	54	-10.84	AV
H	17235.176	50.68	10.12	38.38	44.10	55.08	68.2	-13.12	PK
H	17235.176	42.05	10.12	38.38	44.10	46.45	54	-7.55	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.054	61.49	6.48	36.35	44.05	60.27	74	-13.73	PK
V	4592.054	43.54	6.48	36.35	44.05	42.32	54	-11.68	AV
V	11570.008	58.67	8.47	37.88	44.51	60.51	68.2	-7.69	PK
V	11570.008	43.34	8.47	37.88	44.51	45.18	54	-8.82	AV
V	17355.036	60.64	10.12	38.80	44.10	65.46	68.2	-2.74	PK
V	17355.036	43.01	10.12	38.80	42.70	49.23	54	-4.77	AV
H	4592.134	59.74	6.48	36.37	44.05	58.54	74	-15.46	PK
H	4592.134	43.32	6.48	36.37	44.05	42.12	54	-11.88	AV
H	11570.089	54.54	8.47	38.64	44.50	57.15	68.2	-11.05	PK
H	11570.089	43.95	8.47	38.64	44.50	46.56	54	-7.44	AV
H	17355.112	52.17	10.12	38.38	44.10	56.57	68.2	-11.63	PK
H	17355.112	40.81	10.12	38.38	44.10	45.21	54	-8.79	AV
High Channel (5825 MHz)-Above 1G									
V	6039.148	55.38	7.10	37.24	43.50	56.22	68.2	-11.98	PK
V	6039.148	43.85	7.10	37.24	43.50	44.69	54	-9.31	AV
V	11650.139	59.36	8.46	37.68	44.50	61.00	74	-13.00	PK
V	11650.139	43.35	8.46	37.68	44.50	44.99	54	-9.01	AV
V	17475.059	57.63	10.12	38.80	44.10	62.45	68.2	-5.75	PK
V	17475.059	43.32	10.12	38.80	42.70	49.54	54	-4.46	AV
H	6039.171	55.06	7.10	37.24	43.50	55.90	68.2	-12.30	PK
H	6039.171	43.99	7.10	37.24	43.50	44.83	54	-9.17	AV
H	11650.031	54.74	8.46	38.57	44.50	57.27	74	-16.73	PK
H	11650.031	42.79	8.46	38.57	44.50	45.32	54	-8.68	AV
H	17475.122	54.79	10.12	38.38	44.10	59.19	68.2	-9.01	PK
H	17475.122	40.35	10.12	38.38	44.10	44.75	54	-9.25	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) - 802.11n-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.025	58.57	5.94	35.40	44.00	55.91	74	-18.09	PK
V	4679.025	43.93	5.94	35.40	44.00	41.27	54	-12.73	AV
V	11510.084	55.94	8.46	39.75	44.50	59.65	74	-14.35	PK
V	11510.084	43.33	8.46	39.75	44.50	47.04	54	-6.96	AV
V	17265.054	56.16	10.12	38.80	44.10	60.98	68.2	-7.22	PK
V	17265.054	43.38	10.12	38.80	42.70	49.60	54	-4.40	AV
H	4679.026	60.97	5.94	35.18	44.00	58.09	74	-15.91	PK
H	4679.026	43.31	5.94	35.18	44.00	40.43	54	-13.57	AV
H	11510.037	54.81	8.46	38.71	44.50	57.48	74	-16.52	PK
H	11510.037	40.73	8.46	38.71	44.50	43.40	54	-10.60	AV
H	17265.070	50.33	10.12	38.38	44.10	54.73	68.2	-13.47	PK
H	17265.070	40.75	10.12	38.38	44.10	45.15	54	-8.85	AV
High Channel (5795 MHz)-Above 1G									
V	6039.110	59.74	6.48	36.35	44.05	58.52	68.2	-9.68	PK
V	6039.110	43.27	6.48	36.35	44.05	42.05	54	-11.95	AV
V	11590.007	55.31	8.47	37.88	44.51	57.15	74	-16.85	PK
V	11590.007	43.73	8.47	37.88	44.51	45.57	54	-8.43	AV
V	17385.056	55.12	10.12	38.80	44.10	59.94	68.2	-8.26	PK
V	17385.056	41.66	10.12	38.80	42.70	47.88	54	-6.12	AV
H	6039.083	56.39	6.48	36.37	44.05	55.19	68.2	-13.01	PK
H	6039.083	43.45	6.48	36.37	44.05	42.25	54	-11.75	AV
H	11590.037	53.27	8.47	38.64	44.50	55.88	74	-18.12	PK
H	11590.037	41.41	8.47	38.64	44.50	44.02	54	-9.98	AV
H	17385.193	50.41	10.12	38.38	44.10	54.81	68.2	-13.39	PK
H	17385.193	43.80	10.12	38.38	44.10	48.20	54	-5.80	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.187	56.37	5.94	35.40	44.00	53.71	74	-20.29	PK
V	4679.187	43.26	5.94	35.40	44.00	40.60	54	-13.40	AV
V	11490.138	55.26	8.46	39.75	44.50	58.97	68.2	-9.23	PK
V	11490.138	43.09	8.46	39.75	44.50	46.80	54	-7.20	AV
V	17235.160	59.53	10.12	38.80	44.10	64.35	68.2	-3.85	PK
V	17235.160	44.00	10.12	38.80	42.70	50.22	54	-3.78	AV
H	4679.132	57.26	5.94	35.18	44.00	54.38	74	-19.62	PK
H	4679.132	43.98	5.94	35.18	44.00	41.10	54	-12.90	AV
H	11490.054	47.89	8.46	38.71	44.50	50.56	68.2	-17.64	PK
H	11490.054	41.81	8.46	38.71	44.50	44.48	54	-9.52	AV
H	17235.027	53.64	10.12	38.38	44.10	58.04	68.2	-10.16	PK
H	17235.027	44.05	10.12	38.38	44.10	48.45	54	-5.55	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.018	59.14	6.48	36.35	44.05	57.92	74	-16.08	PK
V	4592.018	43.52	6.48	36.35	44.05	42.30	54	-11.70	AV
V	11570.011	54.27	8.47	37.88	44.51	56.11	68.2	-12.09	PK
V	11570.011	43.99	8.47	37.88	44.51	45.83	54	-8.17	AV
V	17355.034	57.96	10.12	38.80	44.10	62.78	68.2	-5.42	PK
V	17355.034	43.49	10.12	38.80	42.70	49.71	54	-4.29	AV
H	4592.072	56.21	6.48	36.37	44.05	55.01	74	-18.99	PK
H	4592.072	43.37	6.48	36.37	44.05	42.17	54	-11.83	AV
H	11570.079	50.93	8.47	38.64	44.50	53.54	68.2	-14.66	PK
H	11570.079	44.96	8.47	38.64	44.50	47.57	54	-6.43	AV
H	17355.198	53.55	10.12	38.38	44.10	57.95	68.2	-10.25	PK
H	17355.198	42.72	10.12	38.38	44.10	47.12	54	-6.88	AV
High Channel (5825 MHz)-Above 1G									
V	6039.137	56.12	7.10	37.24	43.50	56.96	68.2	-11.24	PK
V	6039.137	43.11	7.10	37.24	43.50	43.95	54	-10.05	AV
V	11650.042	60.14	8.46	37.68	44.50	61.78	74	-12.22	PK
V	11650.042	43.01	8.46	37.68	44.50	44.65	54	-9.35	AV
V	17475.108	59.28	10.12	38.80	44.10	64.10	68.2	-4.10	PK
V	17475.108	43.81	10.12	38.80	42.70	50.03	54	-3.97	AV
H	6039.118	57.09	7.10	37.24	43.50	57.93	68.2	-10.27	PK
H	6039.118	43.21	7.10	37.24	43.50	44.05	54	-9.95	AV
H	11650.148	53.68	8.46	38.57	44.50	56.21	74	-17.79	PK
H	11650.148	41.27	8.46	38.57	44.50	43.80	54	-10.20	AV
H	17475.064	51.68	10.12	38.38	44.10	56.08	68.2	-12.12	PK
H	17475.064	44.74	10.12	38.38	44.10	49.14	54	-4.86	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.013	56.43	5.94	35.40	44.00	53.77	74	-20.23	PK
V	4679.013	43.10	5.94	35.40	44.00	40.44	54	-13.56	AV
V	11510.085	55.56	8.46	39.75	44.50	59.27	74	-14.73	PK
V	11510.085	43.78	8.46	39.75	44.50	47.49	54	-6.51	AV
V	17265.075	56.20	10.12	38.80	44.10	61.02	68.2	-7.18	PK
V	17265.075	43.58	10.12	38.80	42.70	49.80	54	-4.20	AV
H	4679.062	56.02	5.94	35.18	44.00	53.14	74	-20.86	PK
H	4679.062	43.63	5.94	35.18	44.00	40.75	54	-13.25	AV
H	11510.049	53.11	8.46	38.71	44.50	55.78	74	-18.22	PK
H	11510.049	42.32	8.46	38.71	44.50	44.99	54	-9.01	AV
H	17265.016	50.04	10.12	38.38	44.10	54.44	68.2	-13.76	PK
H	17265.016	44.33	10.12	38.38	44.10	48.73	54	-5.27	AV
High Channel (5795 MHz)-Above 1G									
V	6039.183	59.79	6.48	36.35	44.05	58.57	68.2	-9.63	PK
V	6039.183	43.88	6.48	36.35	44.05	42.66	54	-11.34	AV
V	11590.183	56.88	8.47	37.88	44.51	58.72	74	-15.28	PK
V	11590.183	43.80	8.47	37.88	44.51	45.64	54	-8.36	AV
V	17385.013	55.50	10.12	38.80	44.10	60.32	68.2	-7.88	PK
V	17385.013	41.44	10.12	38.80	42.70	47.66	54	-6.34	AV
H	6039.105	59.52	6.48	36.37	44.05	58.32	68.2	-9.88	PK
H	6039.105	43.14	6.48	36.37	44.05	41.94	54	-12.06	AV
H	11590.173	50.28	8.47	38.64	44.50	52.89	74	-21.11	PK
H	11590.173	44.31	8.47	38.64	44.50	46.92	54	-7.08	AV
H	17385.101	53.31	10.12	38.38	44.10	57.71	68.2	-10.49	PK
H	17385.101	41.64	10.12	38.38	44.10	46.04	54	-7.96	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) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5775 MHz)-Above 1G									
V	4679.157	57.21	5.94	35.40	44.00	54.55	74	-19.45	PK
V	4679.157	43.56	5.94	35.40	44.00	40.90	54	-13.10	AV
V	11550.195	56.19	8.46	39.75	44.50	59.90	74	-14.10	PK
V	11550.195	42.46	8.46	39.75	44.50	46.17	54	-7.83	AV
V	17325.105	56.85	10.12	38.80	44.10	61.67	68.2	-6.53	PK
V	17325.105	41.36	10.12	38.80	42.70	47.58	54	-6.42	AV
H	4679.001	56.70	5.94	35.18	44.00	53.82	74	-20.18	PK
H	4679.001	43.62	5.94	35.18	44.00	40.74	54	-13.26	AV
H	11550.160	50.45	8.46	38.71	44.50	53.12	74	-20.88	PK
H	11550.160	42.68	8.46	38.71	44.50	45.35	54	-8.65	AV
H	17325.135	53.16	10.12	38.38	44.10	57.56	68.2	-10.64	PK
H	17325.135	44.66	10.12	38.38	44.10	49.06	54	-4.94	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.

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 ($< 1 \text{ MHz}$, or $< 500 \text{ kHz}$) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

a) Set $\text{RBW} \geq 1/T$, where T is defined in section II.B.I.a).

b) Set $\text{VBW} \geq 3 \text{ RBW}$.

c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ 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 $10\log(1\text{MHz}/\text{RBW})$ 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 KHz is available on nearly all spectrum analyzers.

8.4 EUT Operating Conditions

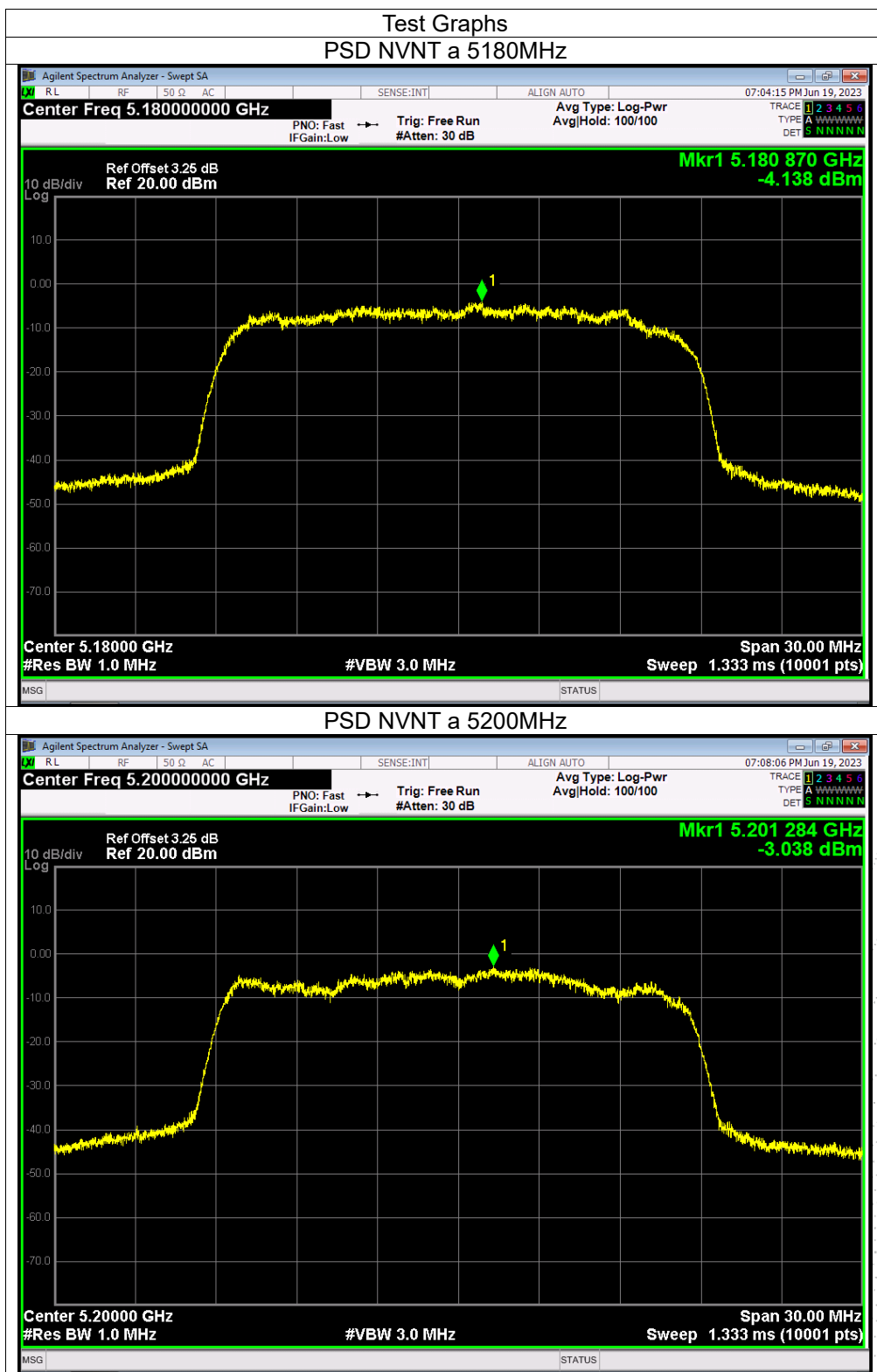
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

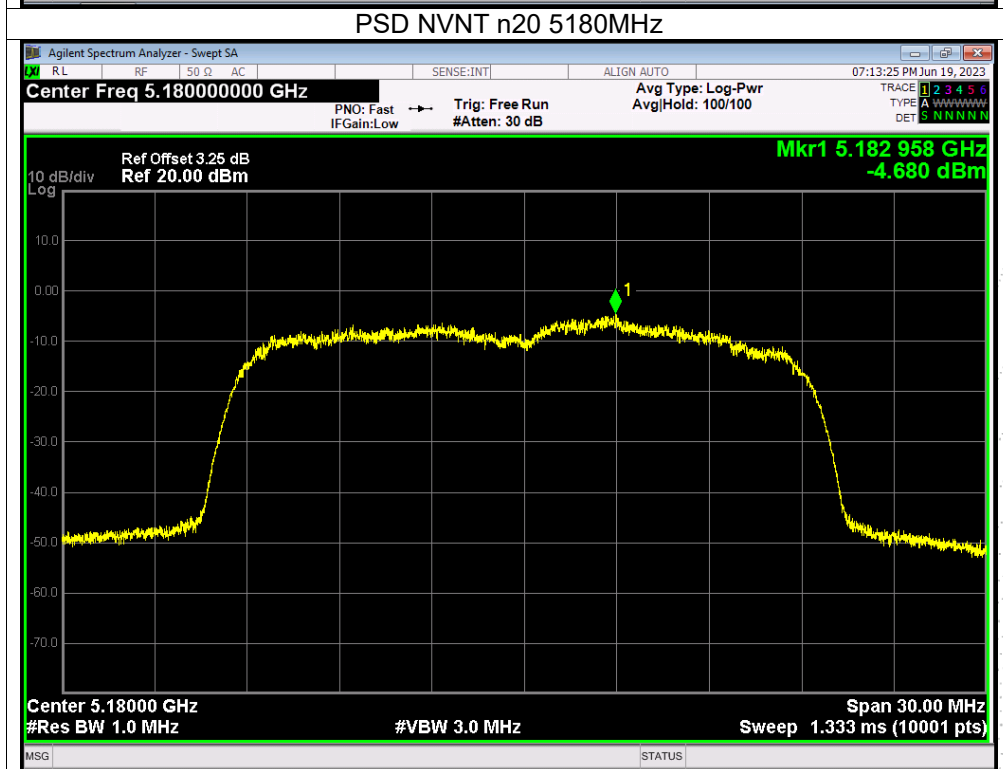
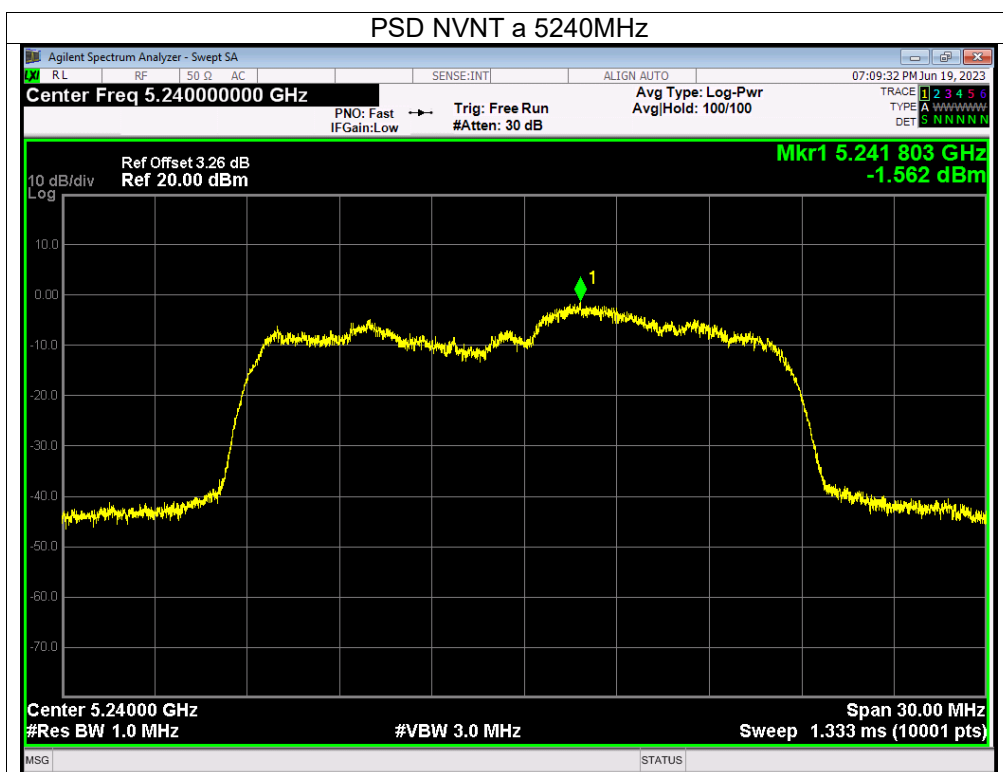
8.5 Test Result

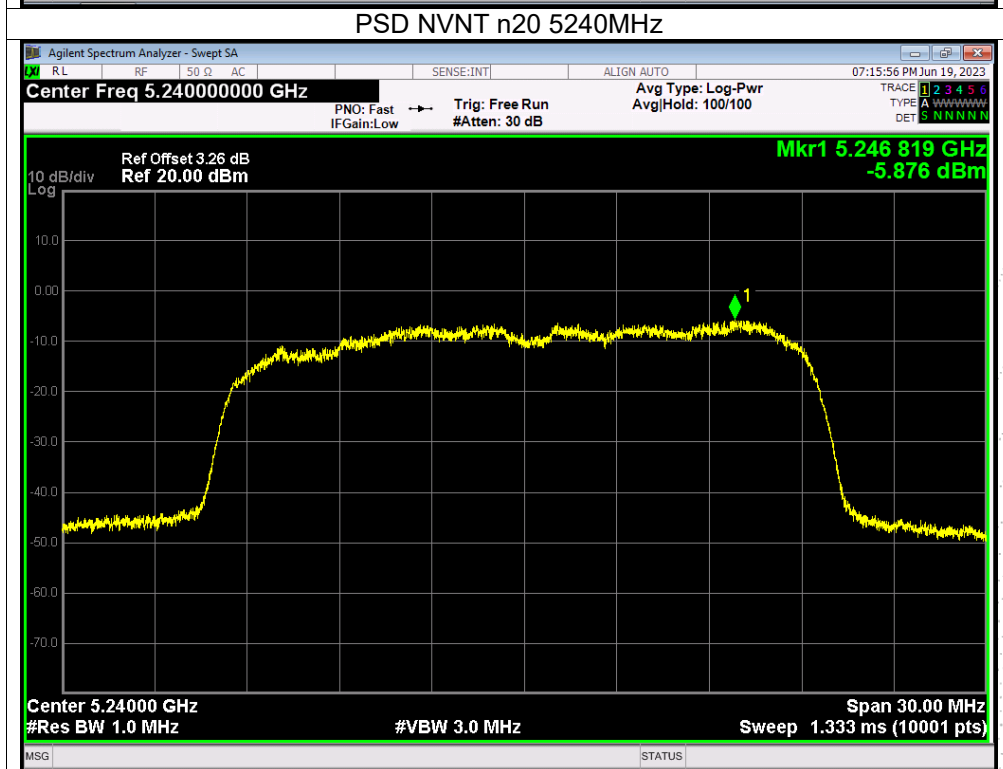
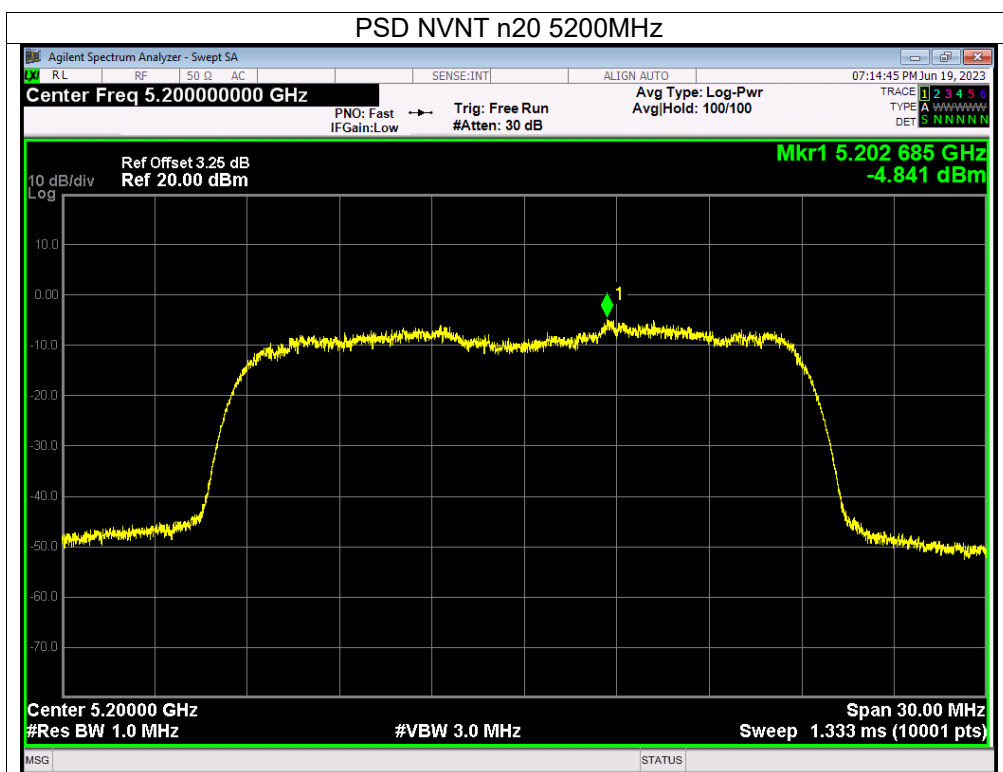
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Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5180-5240MHz)		

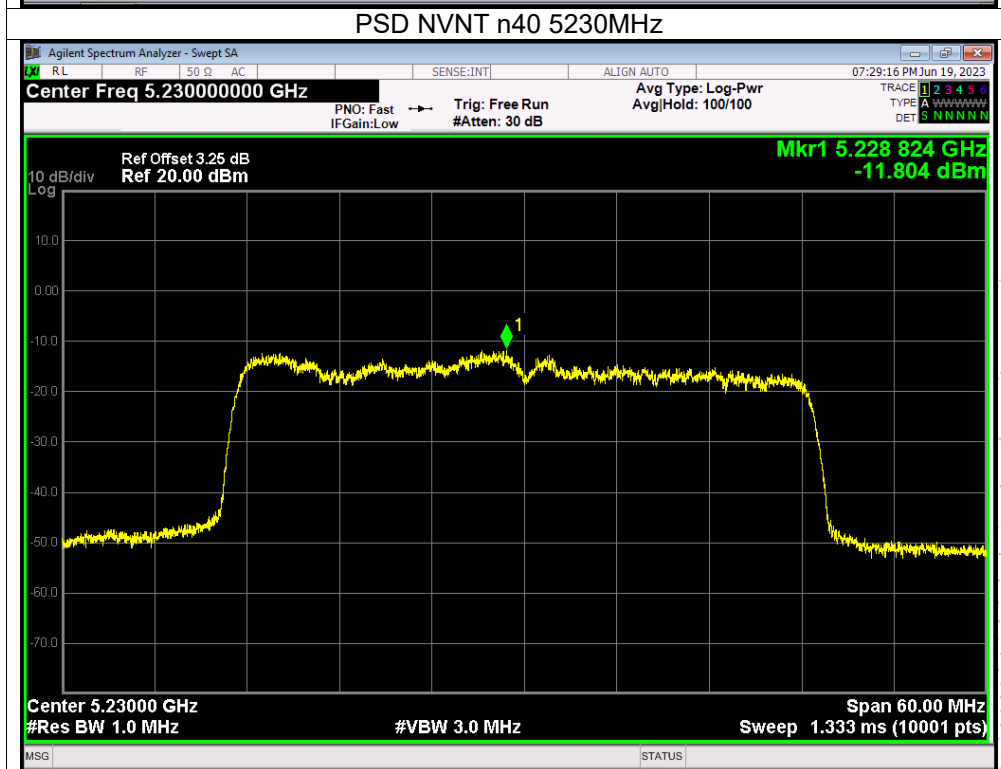
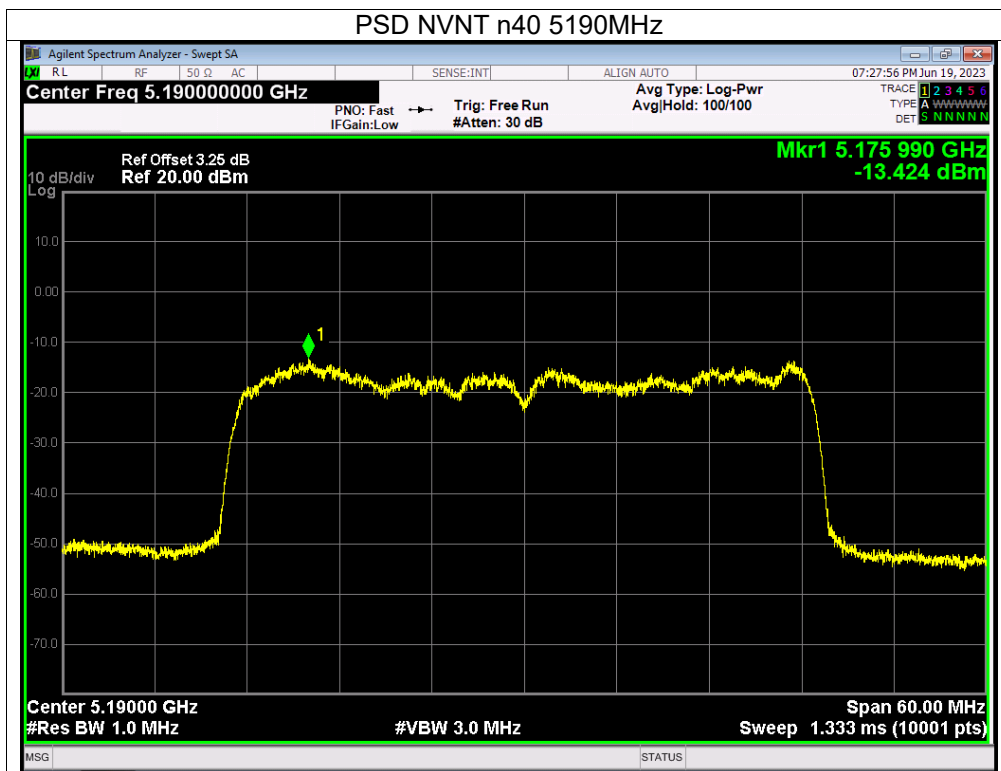
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5180	-4.14	-4.26	/	11	Pass
NVNT	a	5200	-3.04	-2.69	/	11	Pass
NVNT	a	5240	-1.56	-3.31	/	11	Pass
NVNT	n20	5180	-4.68	-6.64	-2.54	11	Pass
NVNT	n20	5200	-4.84	-5.65	-2.22	11	Pass
NVNT	n20	5240	-5.88	-3.52	-1.53	11	Pass
NVNT	n40	5190	-13.42	-10.35	-8.61	11	Pass
NVNT	n40	5230	-11.80	-9.76	-7.65	11	Pass
NVNT	ac20	5180	-6.35	-4.42	-2.27	11	Pass
NVNT	ac20	5200	-6.46	-3.41	-1.66	11	Pass
NVNT	ac20	5240	-3.67	-5.12	-1.32	11	Pass
NVNT	ac40	5190	-13.34	-9.72	-8.15	11	Pass
NVNT	ac40	5230	-11.60	-10.98	-8.27	11	Pass
NVNT	ac80	5210	-19.72	-20.57	-17.11	11	Pass

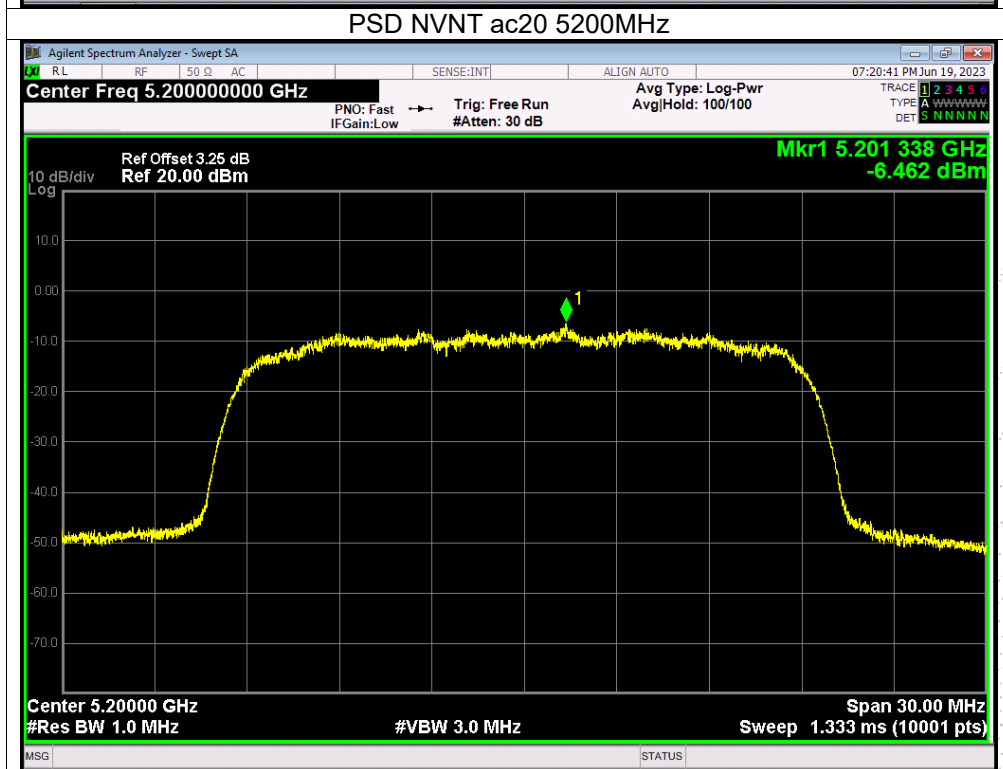
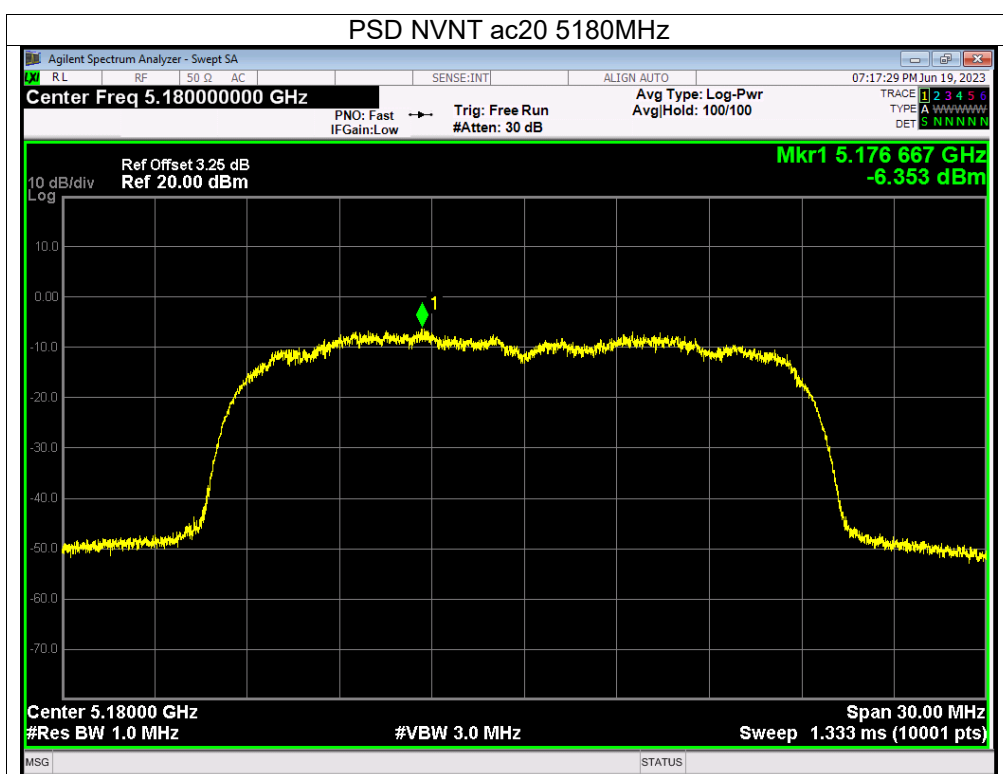
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

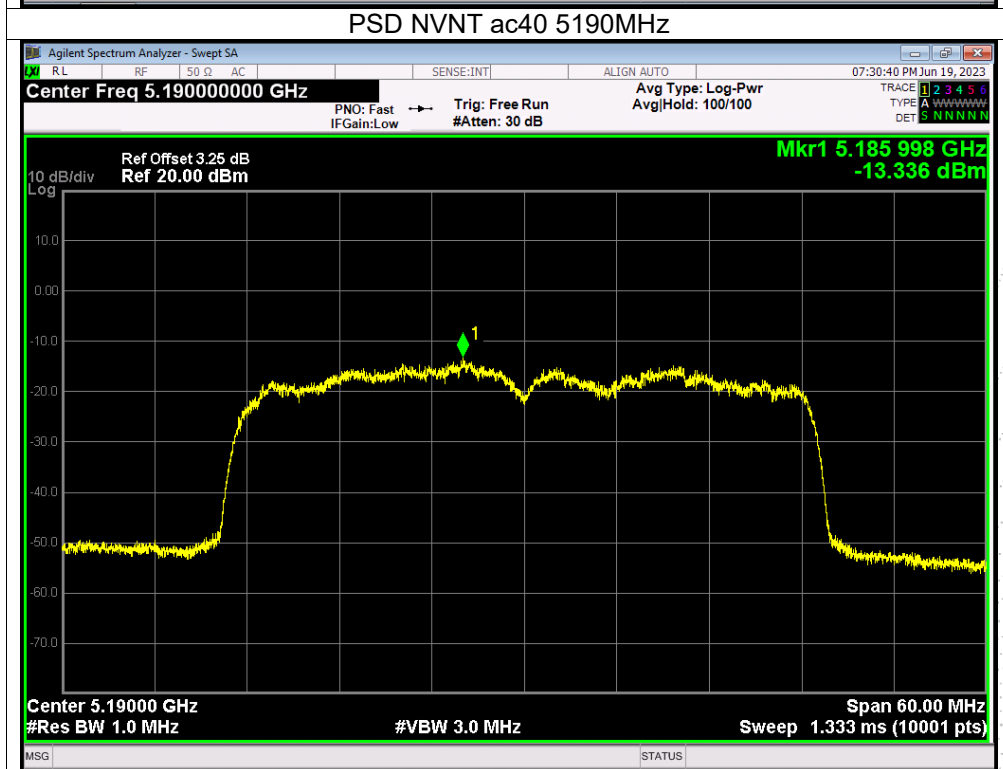
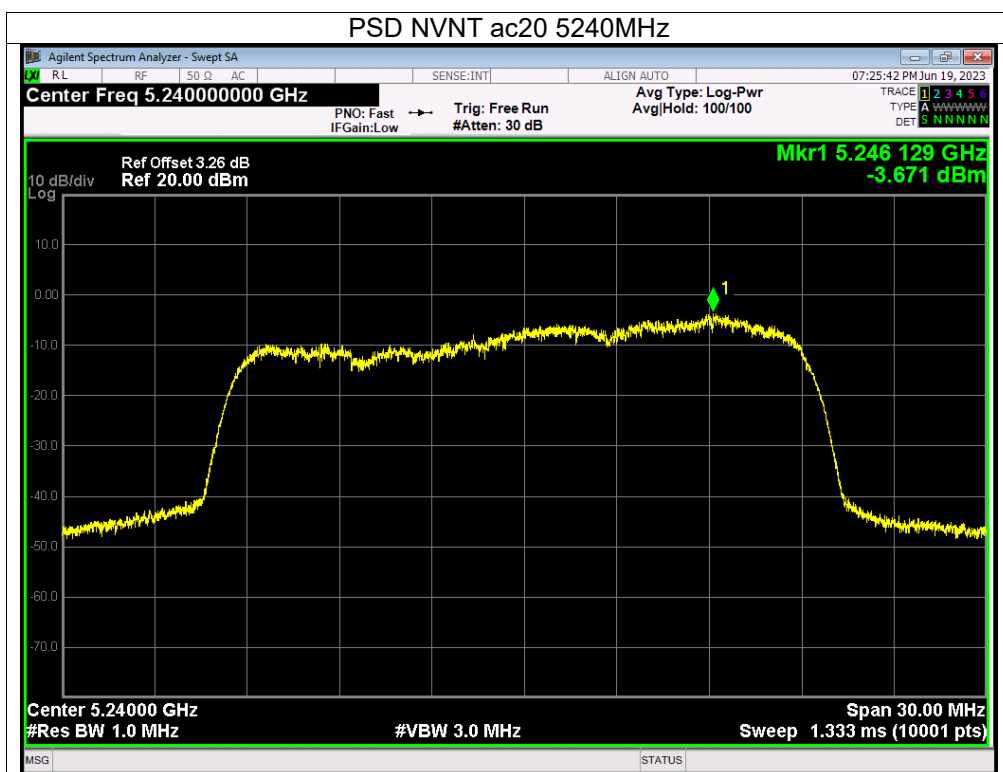


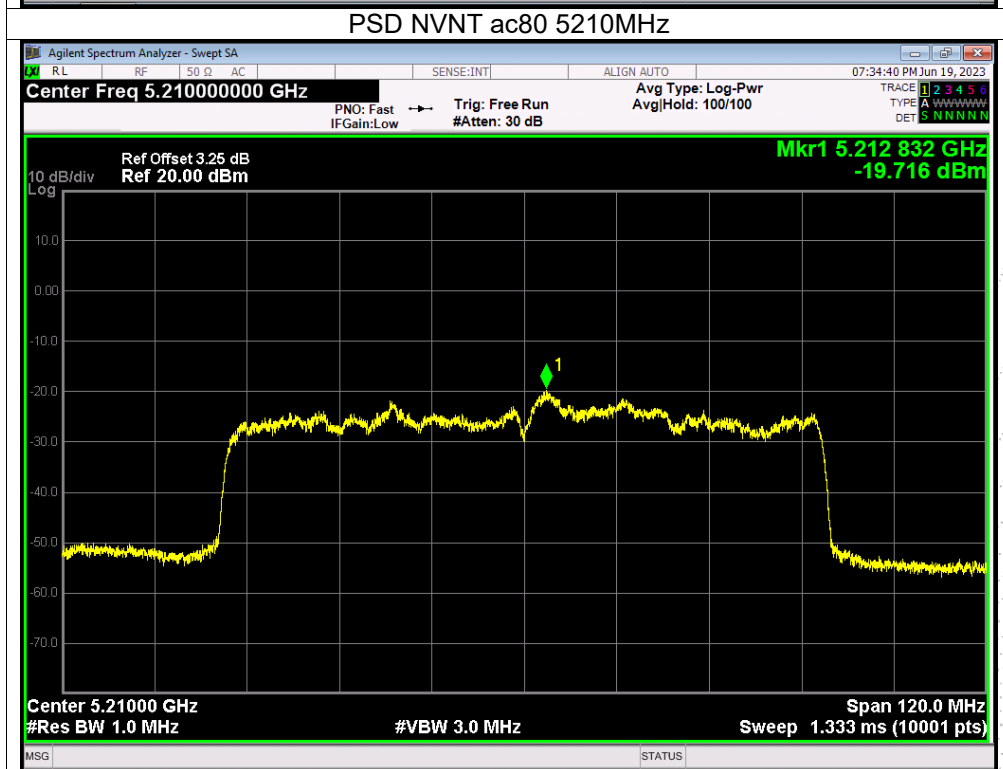
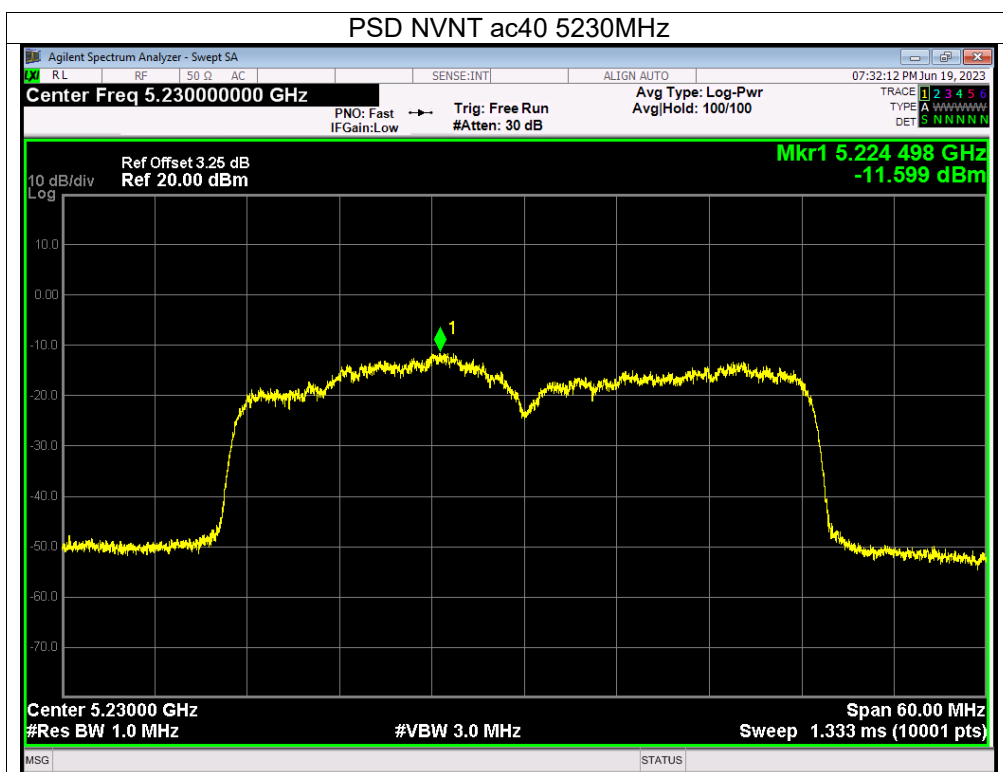








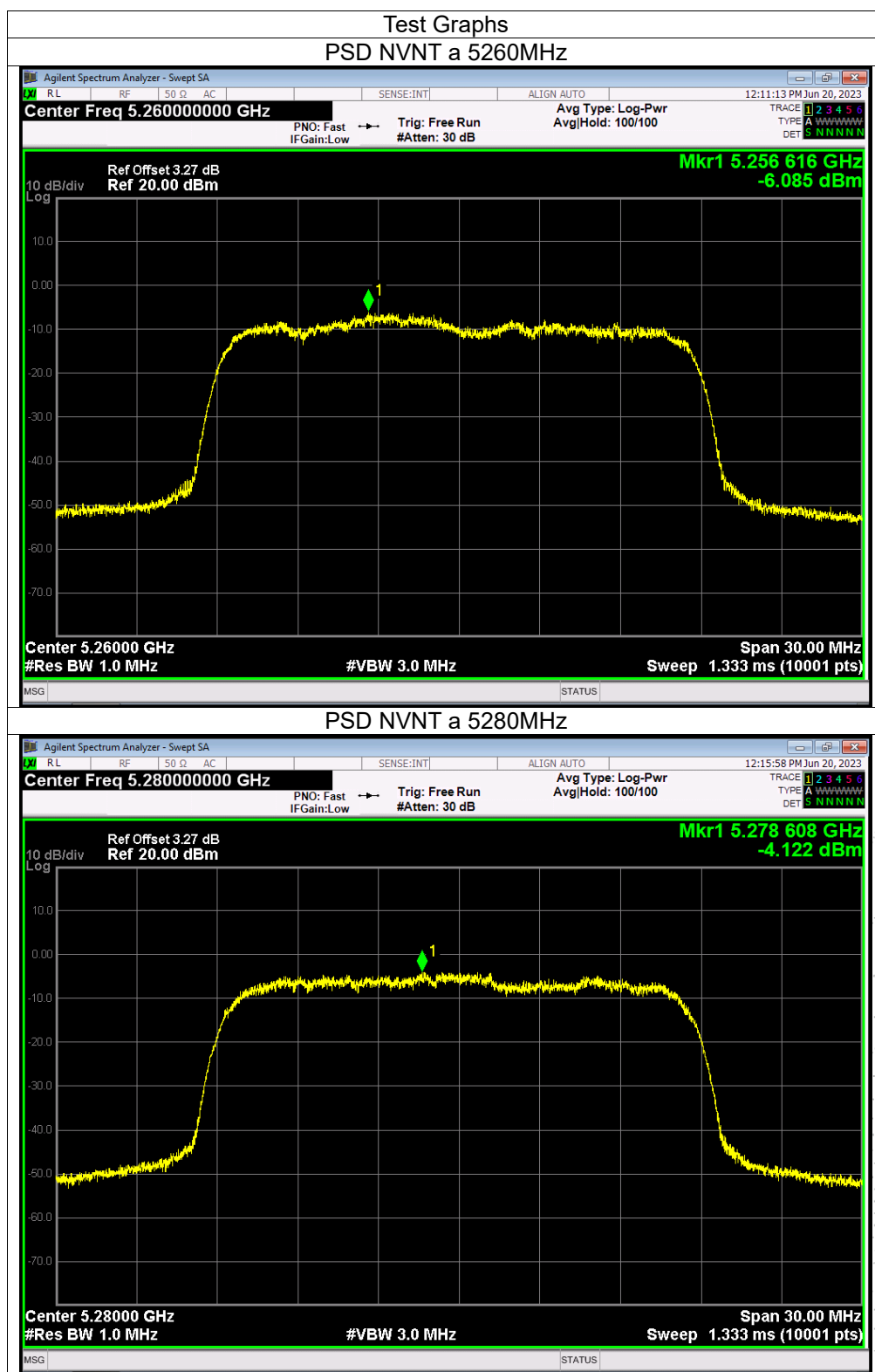


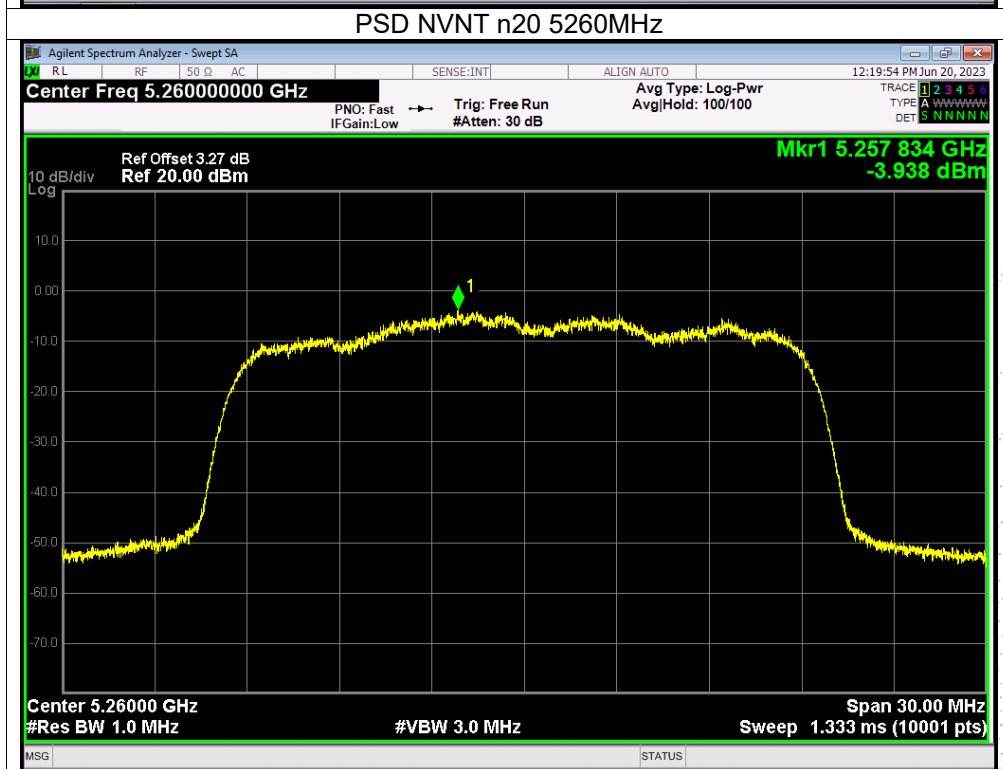
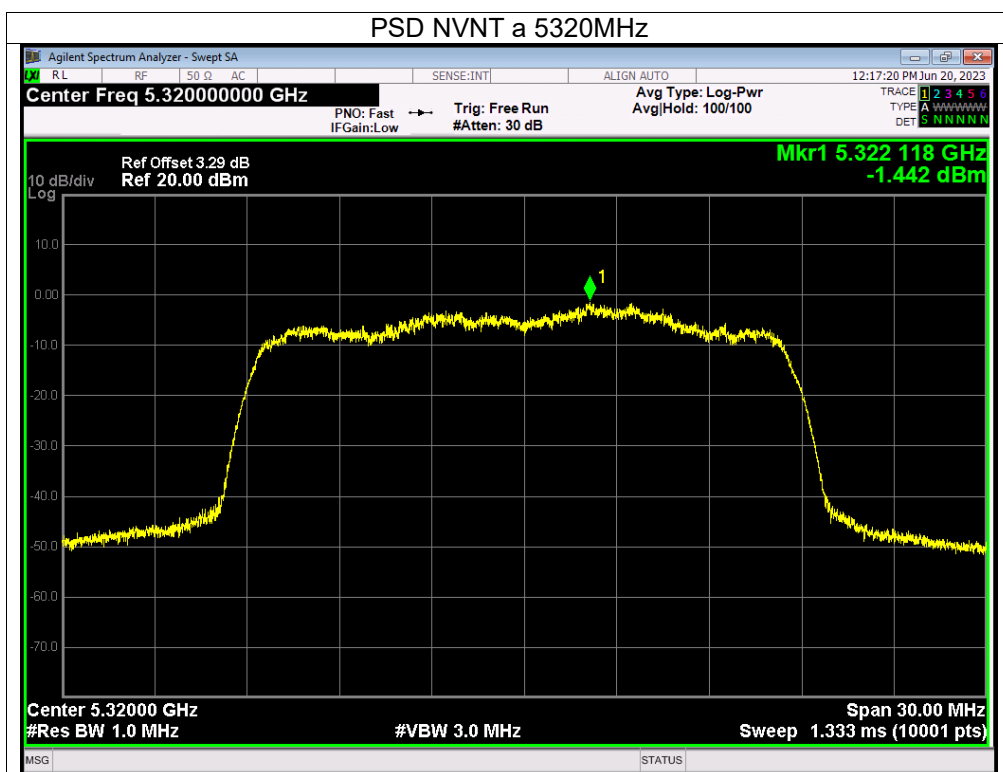


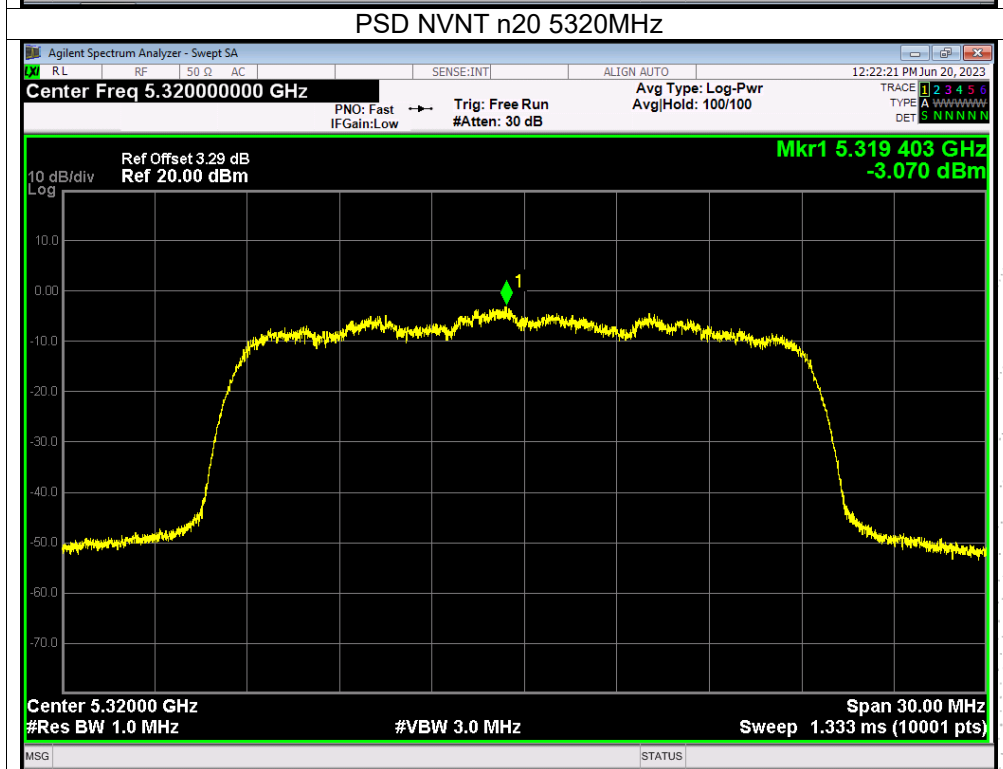
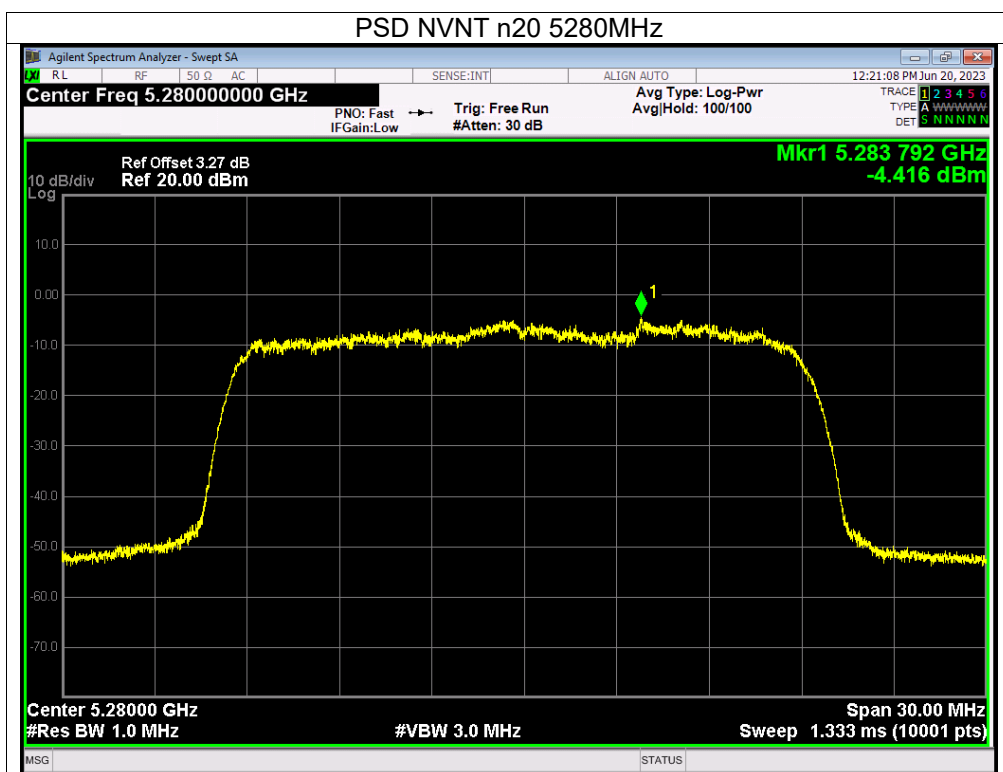
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Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5260-5320MHz)		

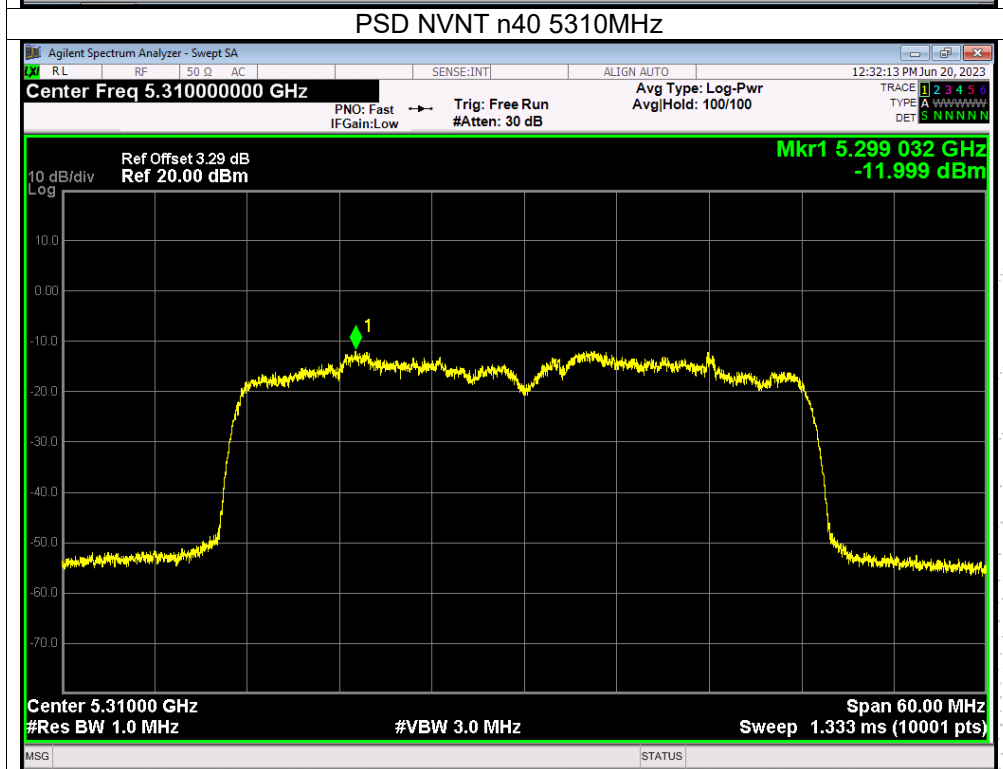
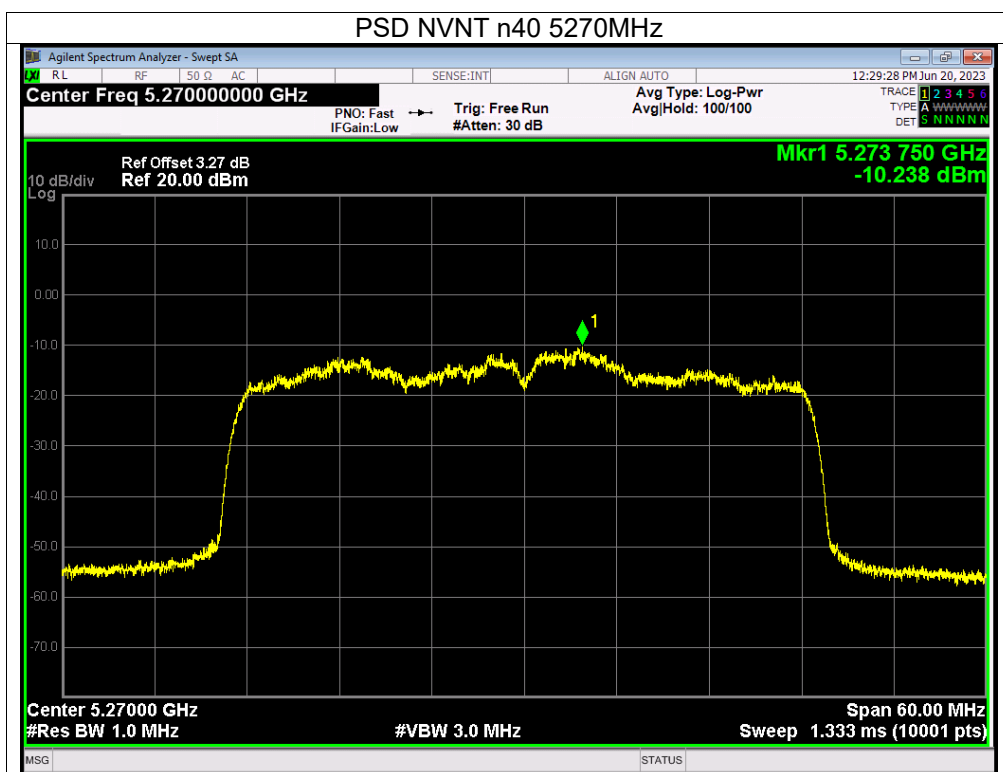
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5260	-5.67	-6.09	/	11	Pass
NVNT	a	5280	-4.62	-4.12	/	11	Pass
NVNT	a	5320	-3.48	-1.44	/	11	Pass
NVNT	n20	5260	-7.65	-3.94	-2.40	11	Pass
NVNT	n20	5280	-5.95	-4.42	-2.11	11	Pass
NVNT	n20	5320	-7.16	-3.07	-1.64	11	Pass
NVNT	n40	5270	-13.42	-10.24	-8.53	11	Pass
NVNT	n40	5310	-10.95	-12.00	-8.43	11	Pass
NVNT	ac20	5260	-6.90	-4.50	-2.53	11	Pass
NVNT	ac20	5280	-6.74	-4.80	-2.65	11	Pass
NVNT	ac20	5320	-5.35	-3.38	-1.24	11	Pass
NVNT	ac40	5270	-13.79	-9.38	-8.04	11	Pass
NVNT	ac40	5310	-13.34	-13.88	-10.59	11	Pass
NVNT	ac80	5290	-19.88	-19.49	-16.67	11	Pass

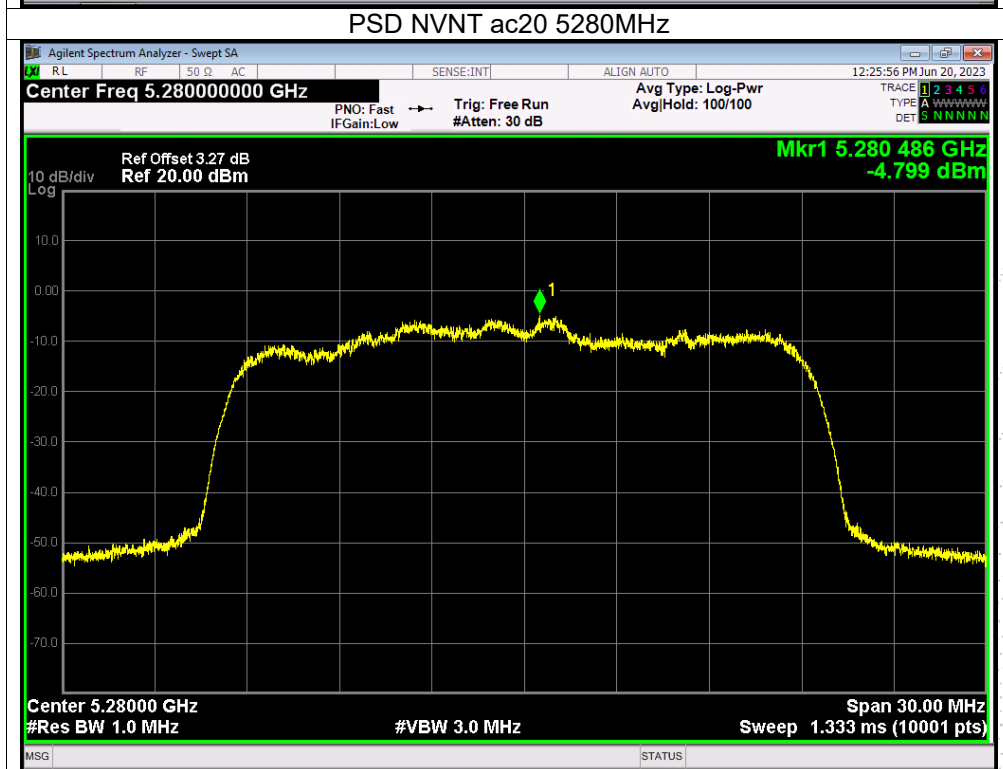
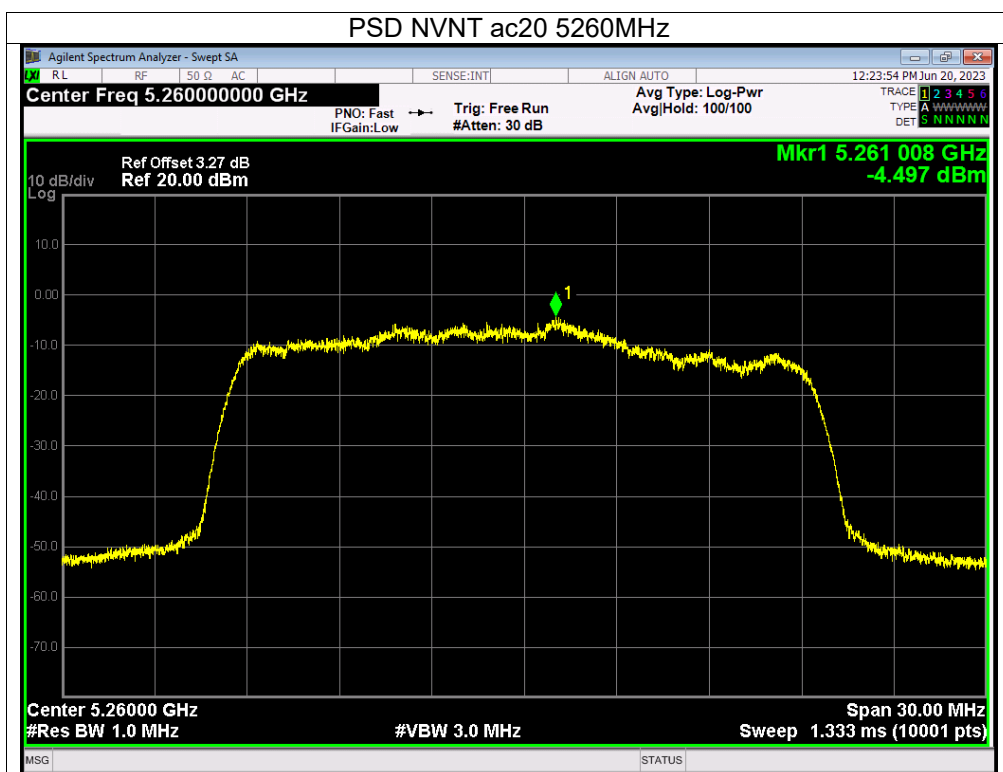
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

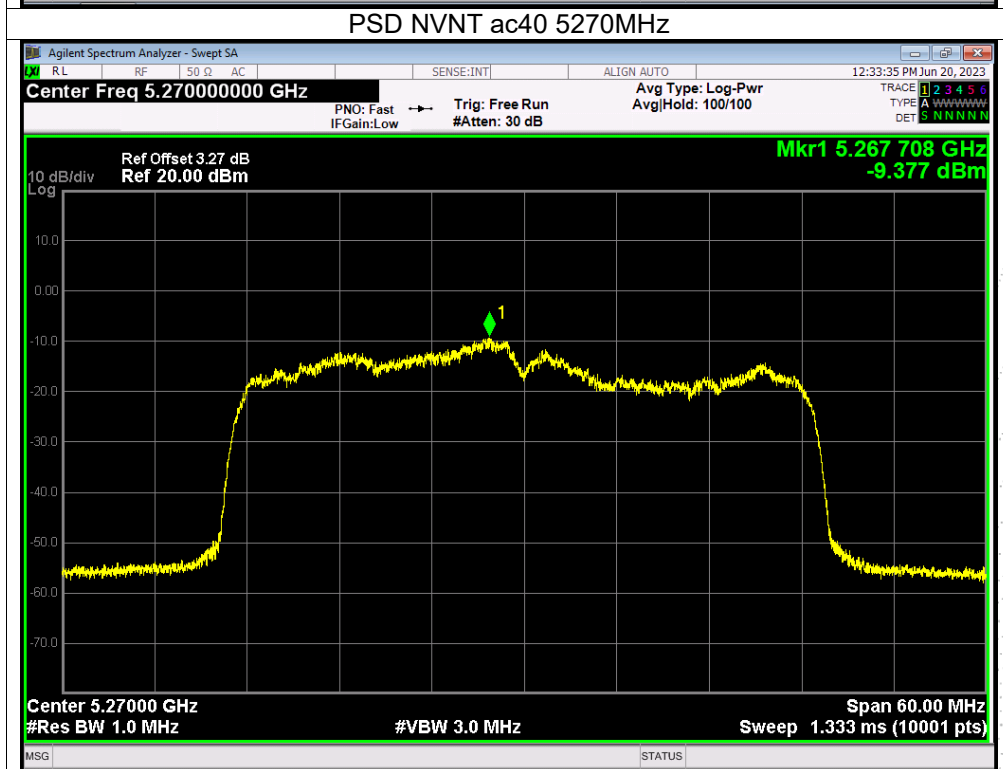
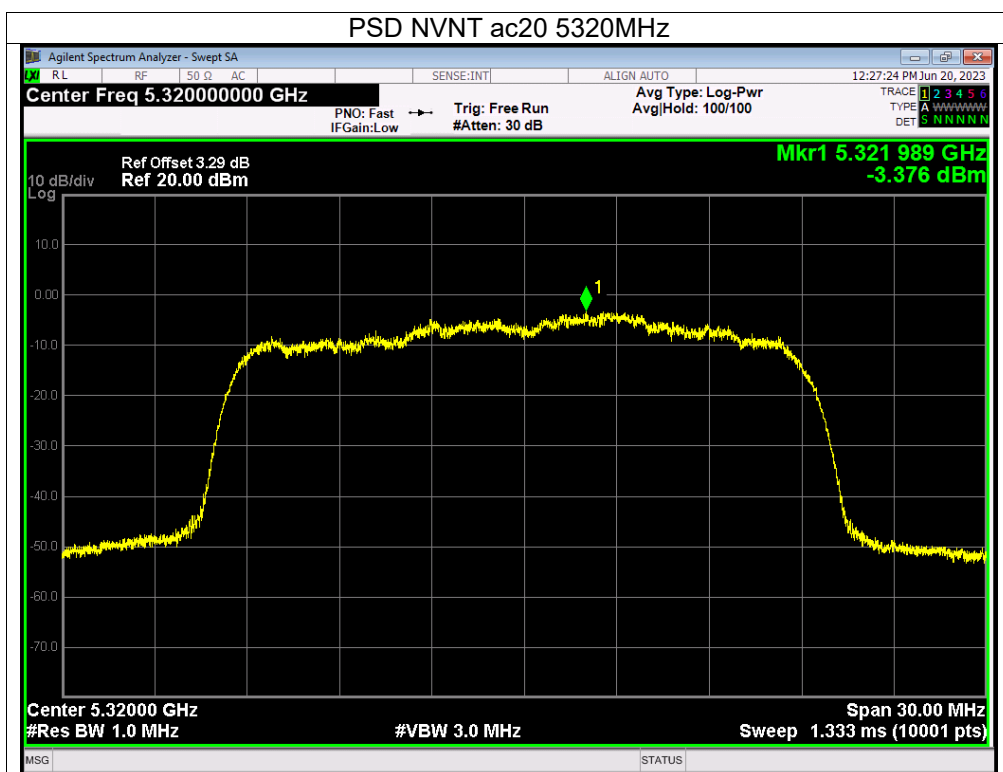


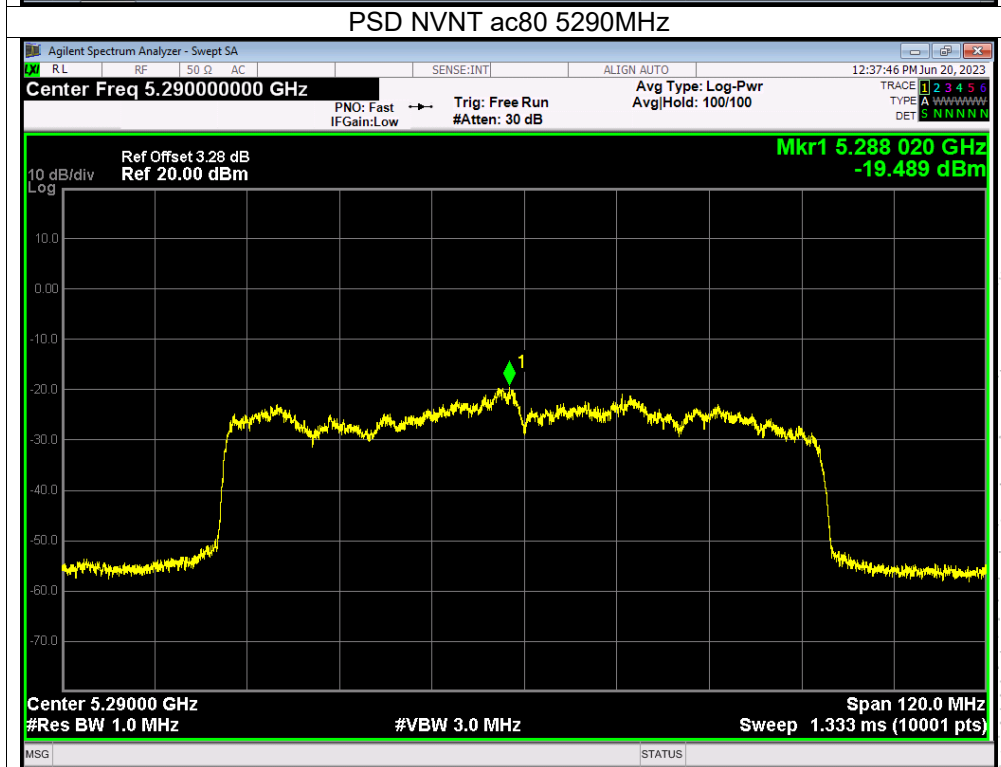
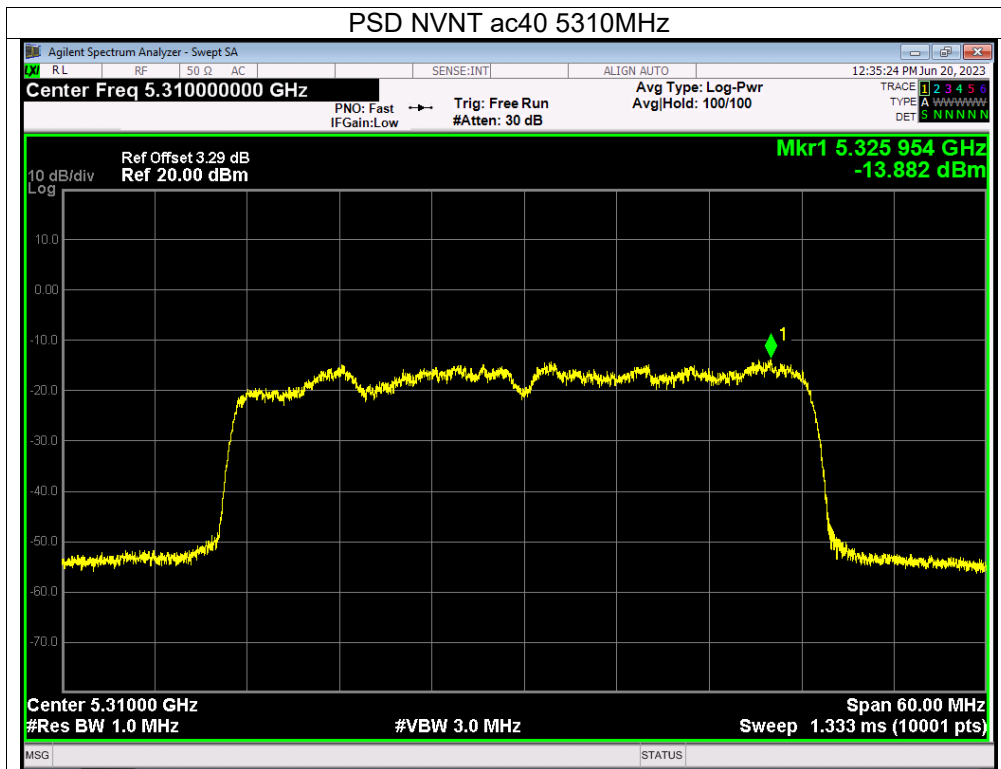






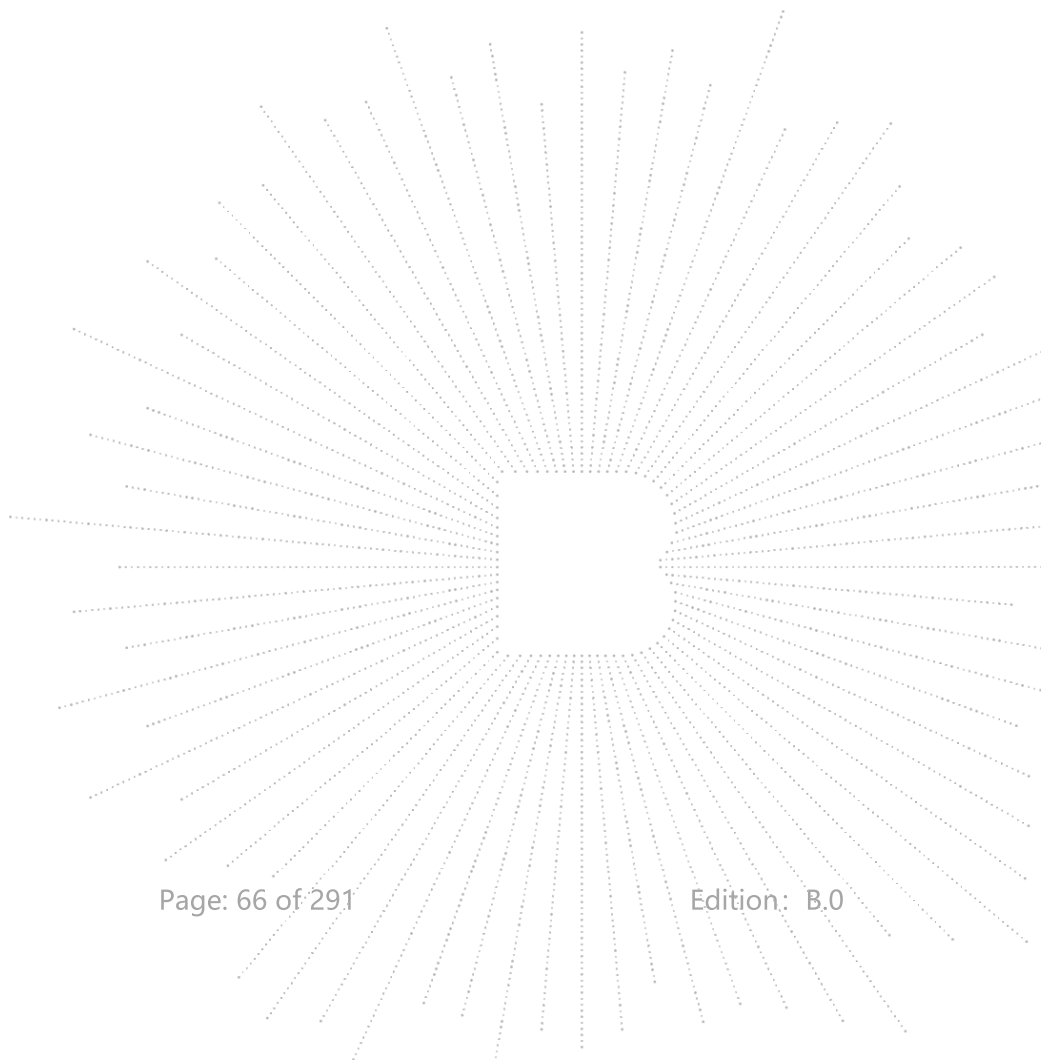




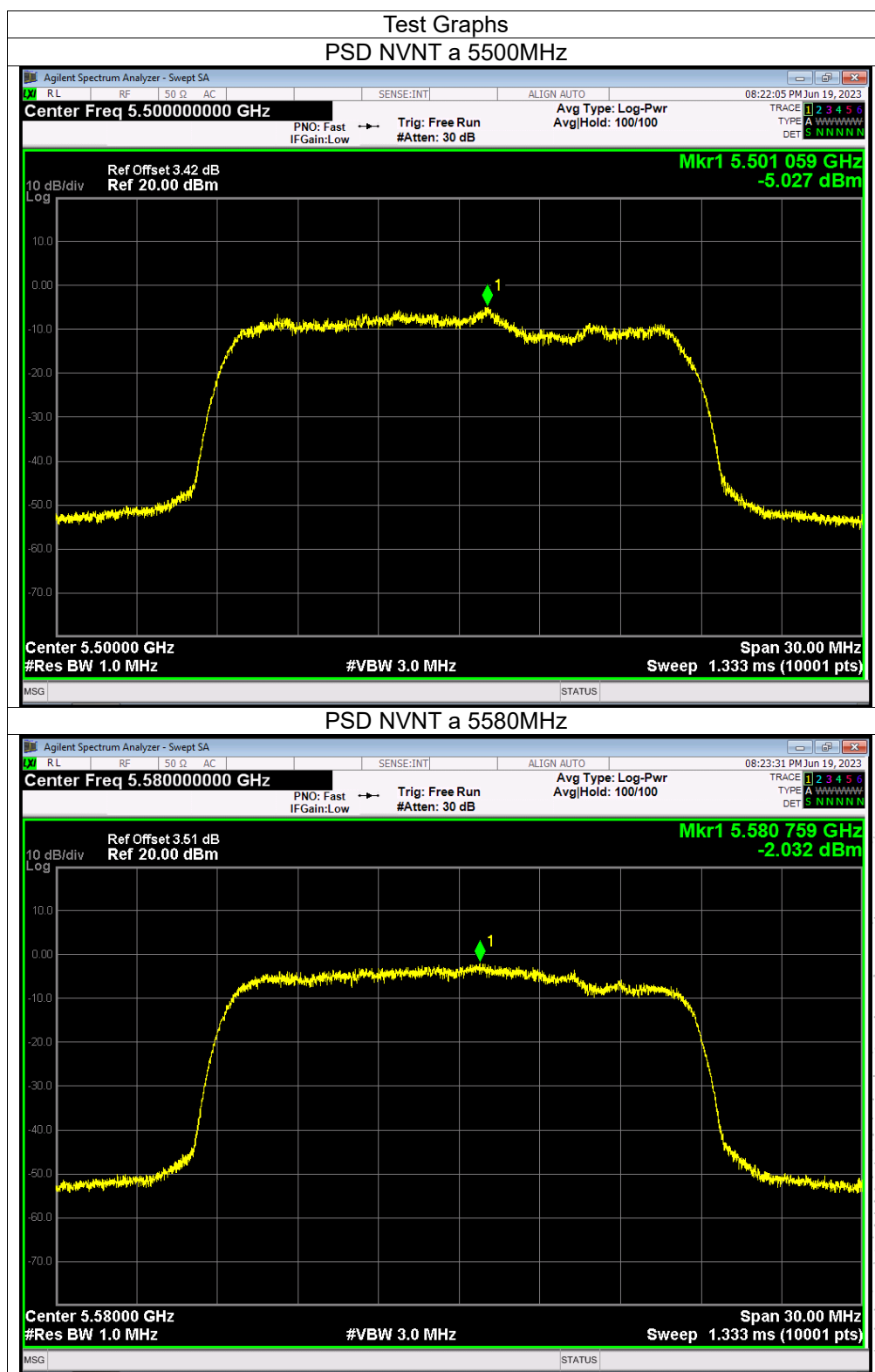


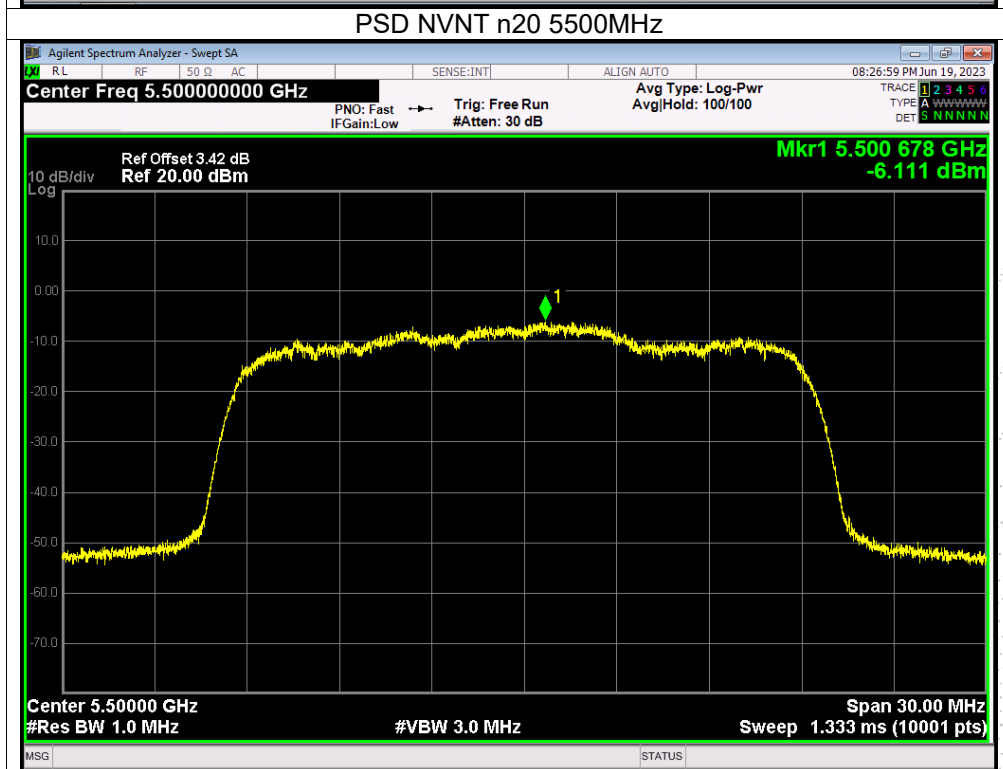
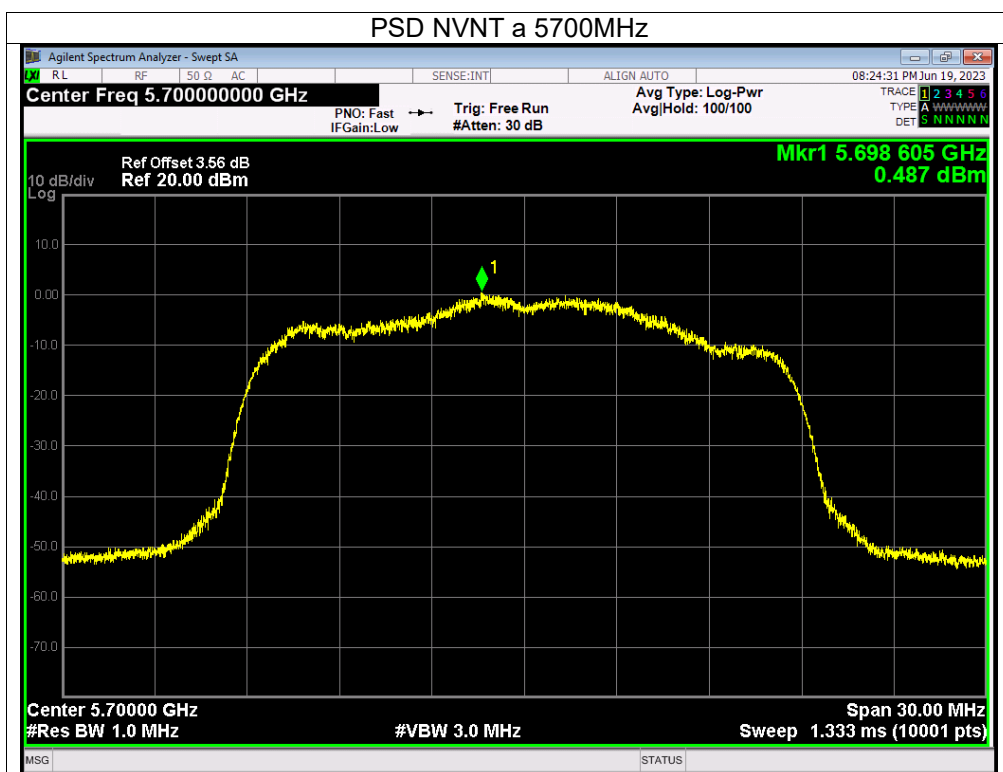
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Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5500-5700MHz)		

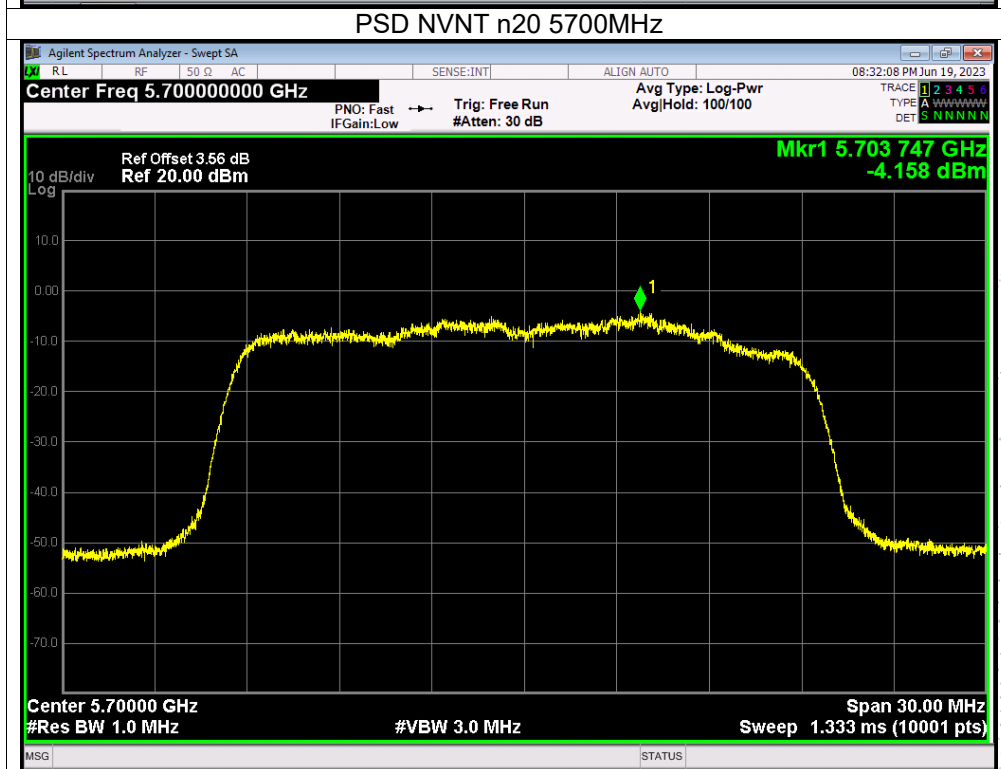
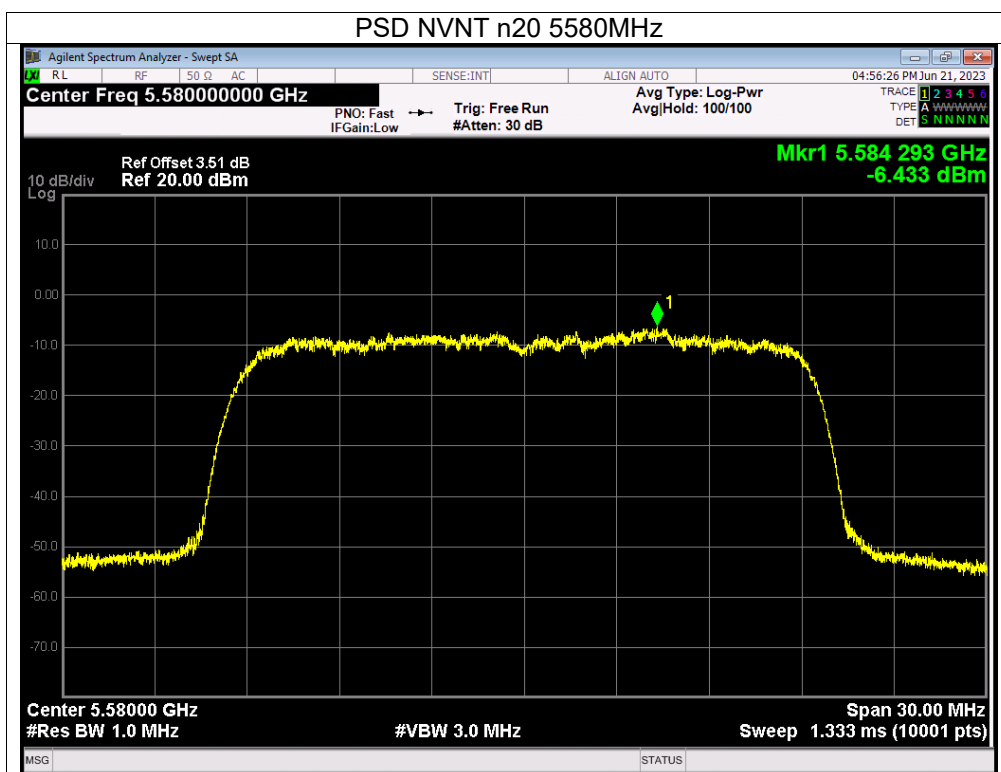
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5500	-5.03	-3.99	/	11	Pass
NVNT	a	5580	-2.03	-4.25	/	11	Pass
NVNT	a	5700	0.49	-3.08	/	11	Pass
NVNT	n20	5500	-6.11	-7.97	-3.93	11	Pass
NVNT	n20	5580	-6.43	-6.27	-3.34	11	Pass
NVNT	n20	5700	-4.16	-6.20	-2.05	11	Pass
NVNT	n40	5510	-11.43	-11.85	-8.62	11	Pass
NVNT	n40	5590	-12.60	-15.33	-10.74	11	Pass
NVNT	n40	5670	-9.62	-9.11	-6.35	11	Pass
NVNT	ac20	5500	-8.28	-9.04	-5.63	11	Pass
NVNT	ac20	5580	-7.85	-7.06	-4.43	11	Pass
NVNT	ac20	5700	-5.92	-5.37	-2.63	11	Pass
NVNT	ac40	5510	-11.05	-14.05	-9.29	11	Pass
NVNT	ac40	5590	-11.91	-15.67	-10.38	11	Pass
NVNT	ac40	5670	-10.08	-12.51	-8.12	11	Pass
NVNT	ac80	5530	-17.97	-19.50	-15.66	11	Pass

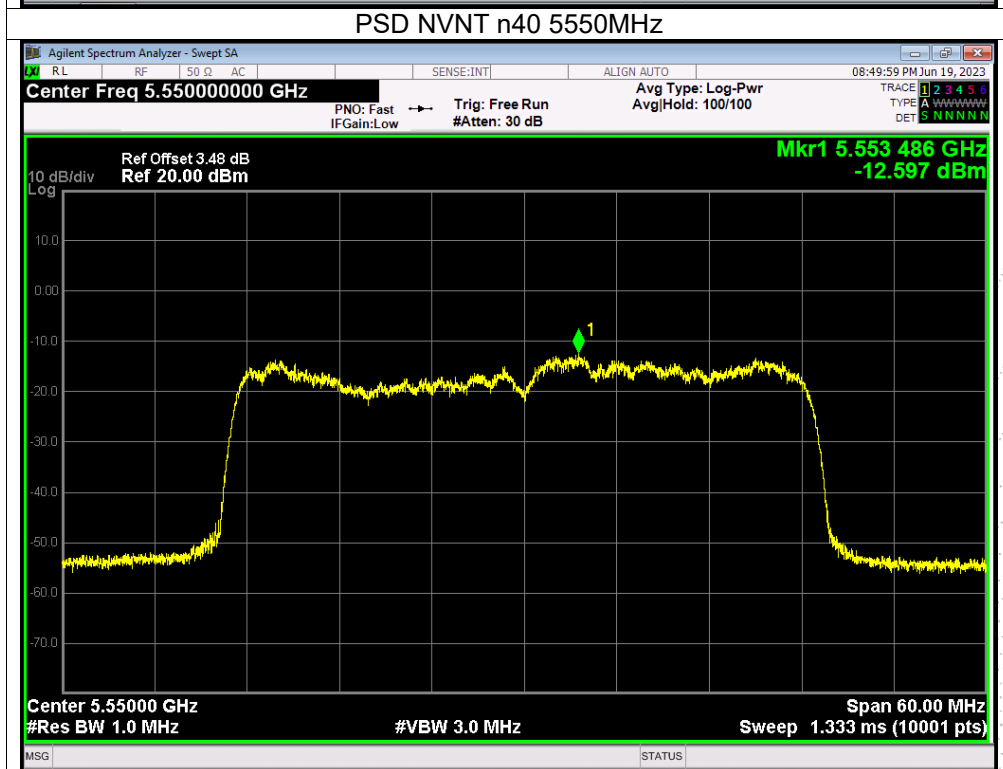
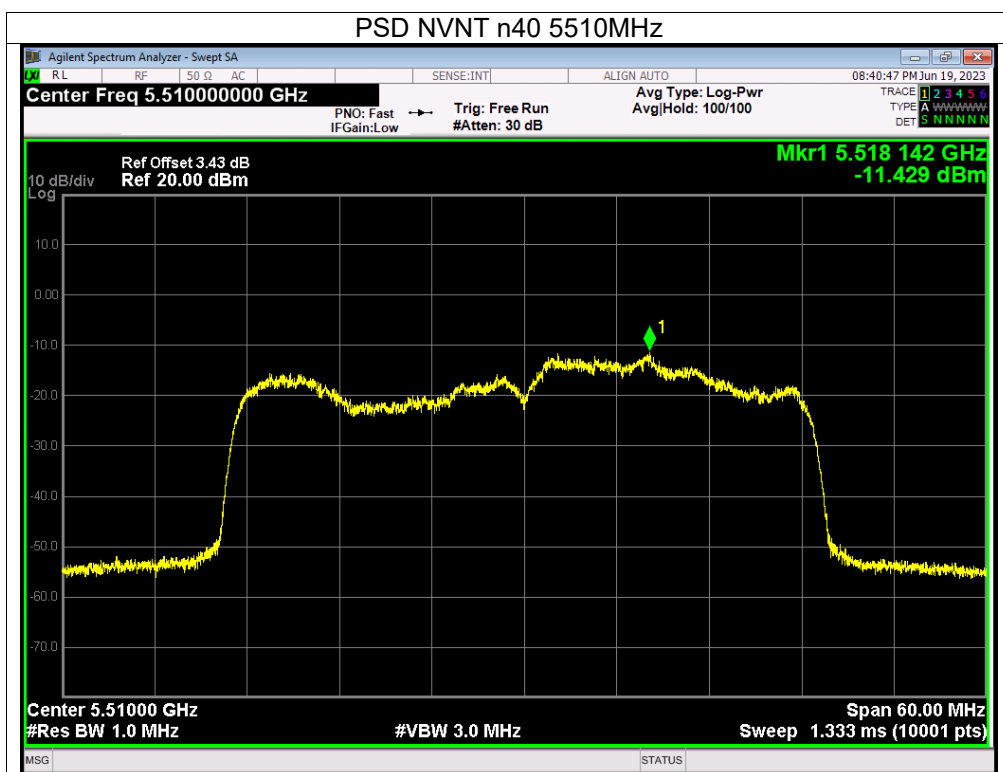


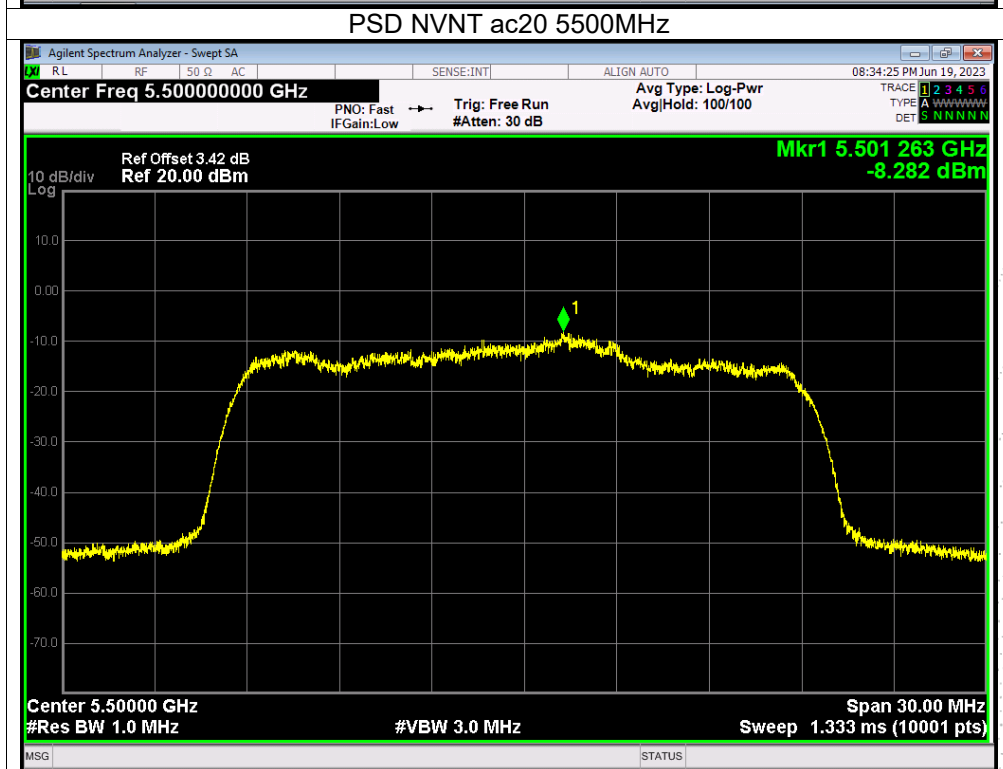
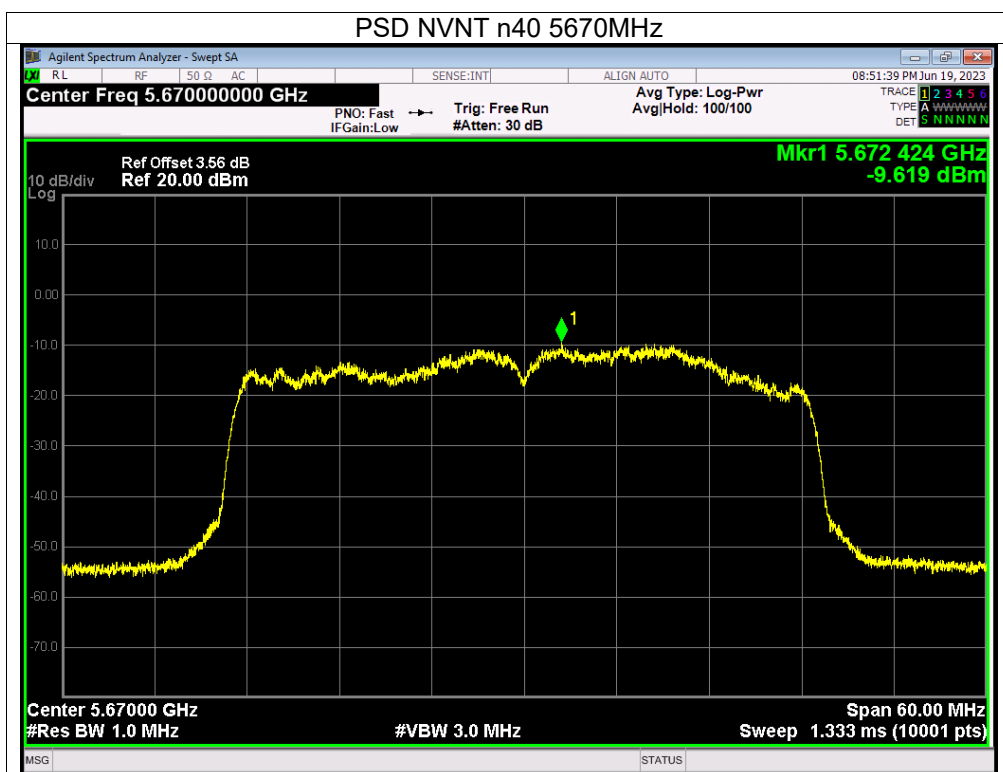
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

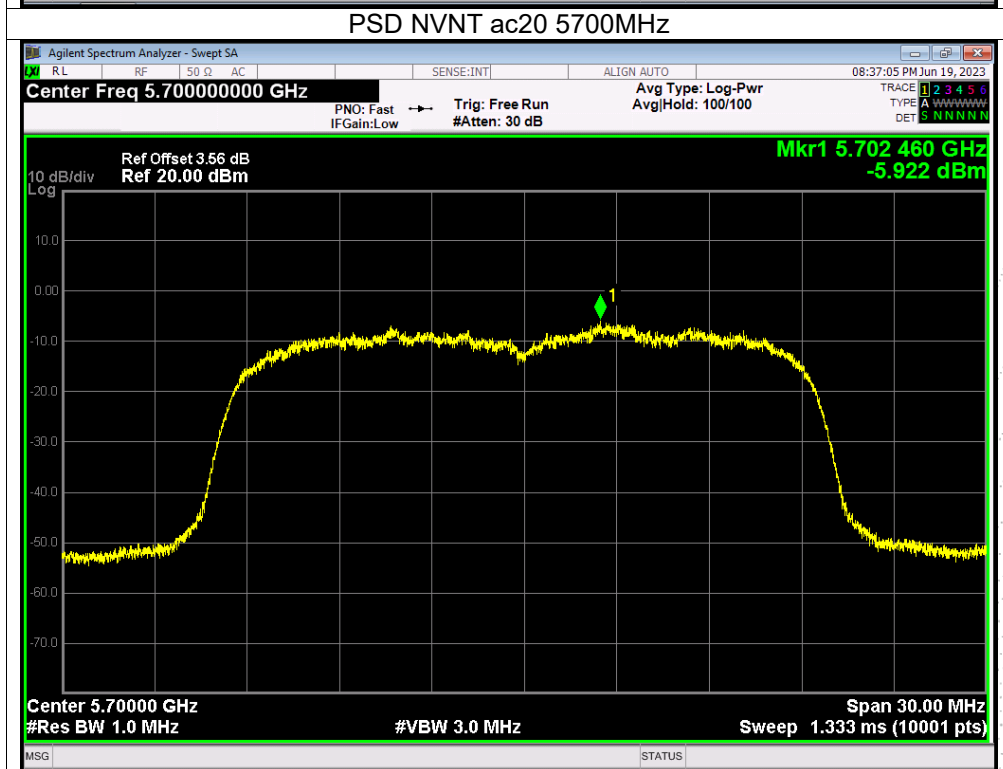
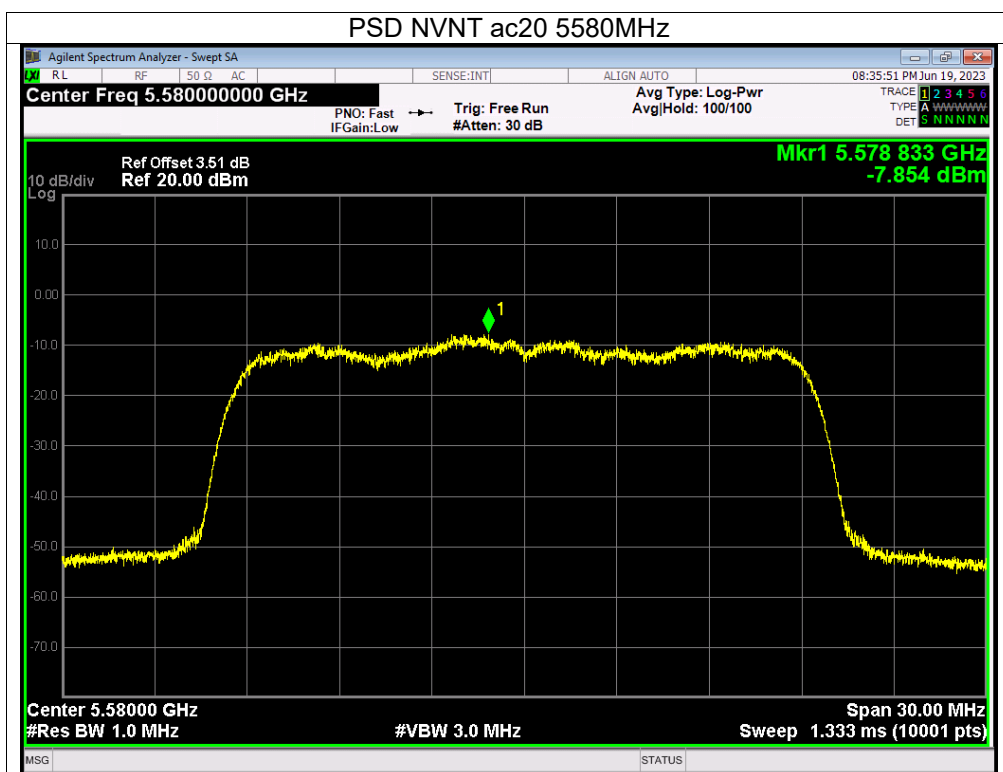


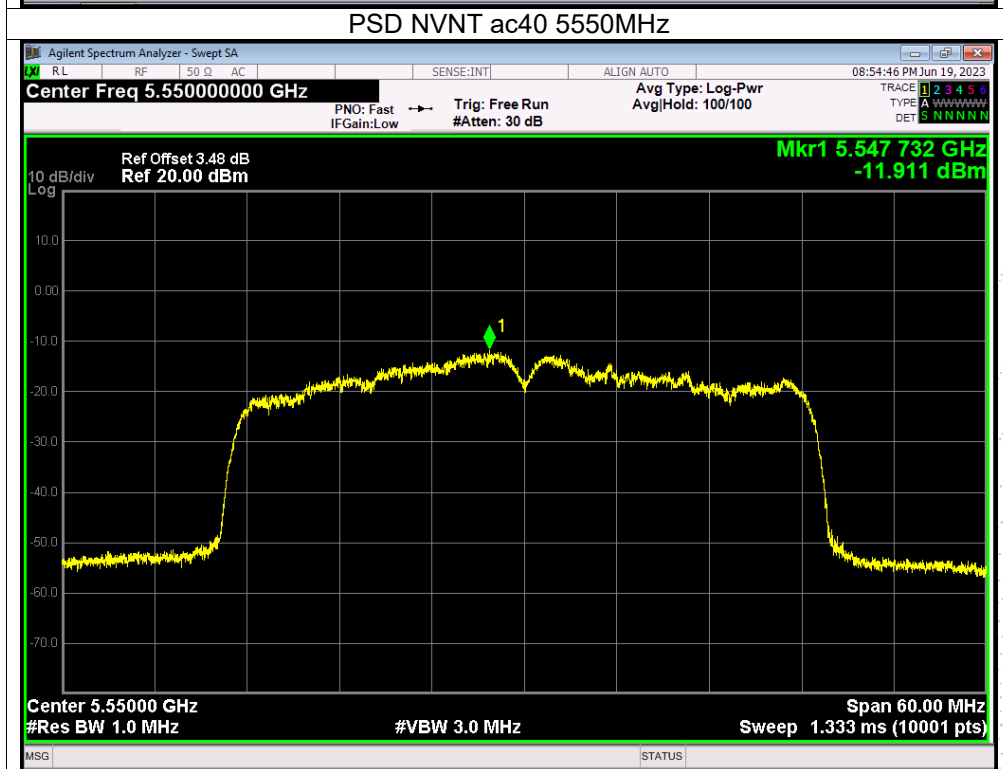
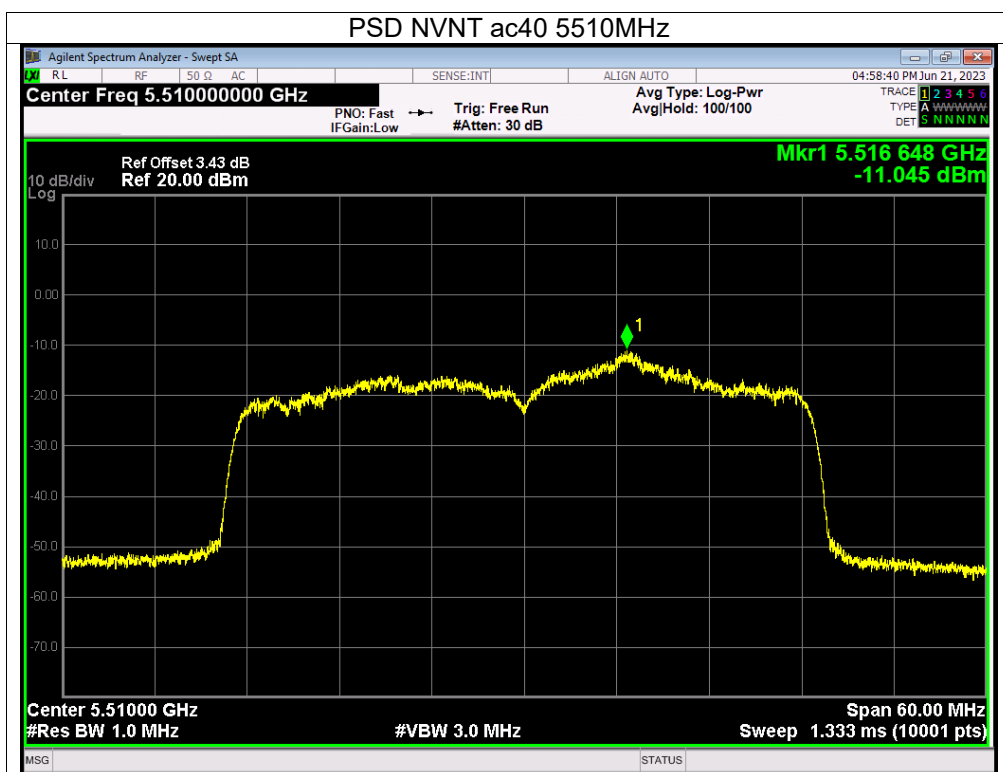


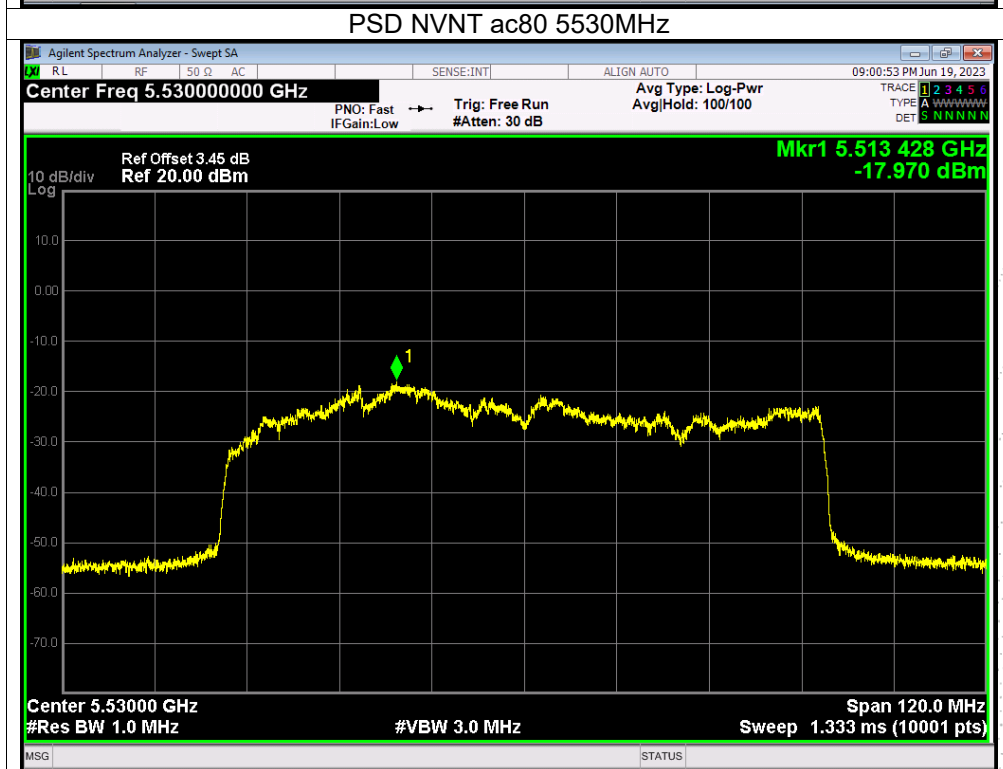
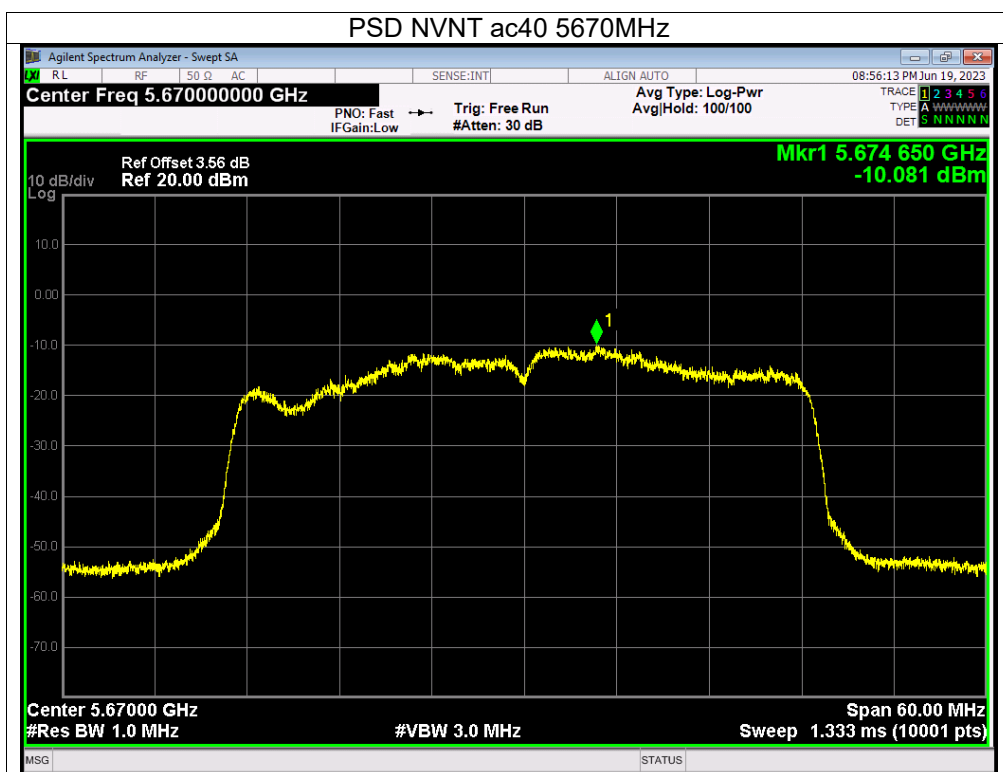






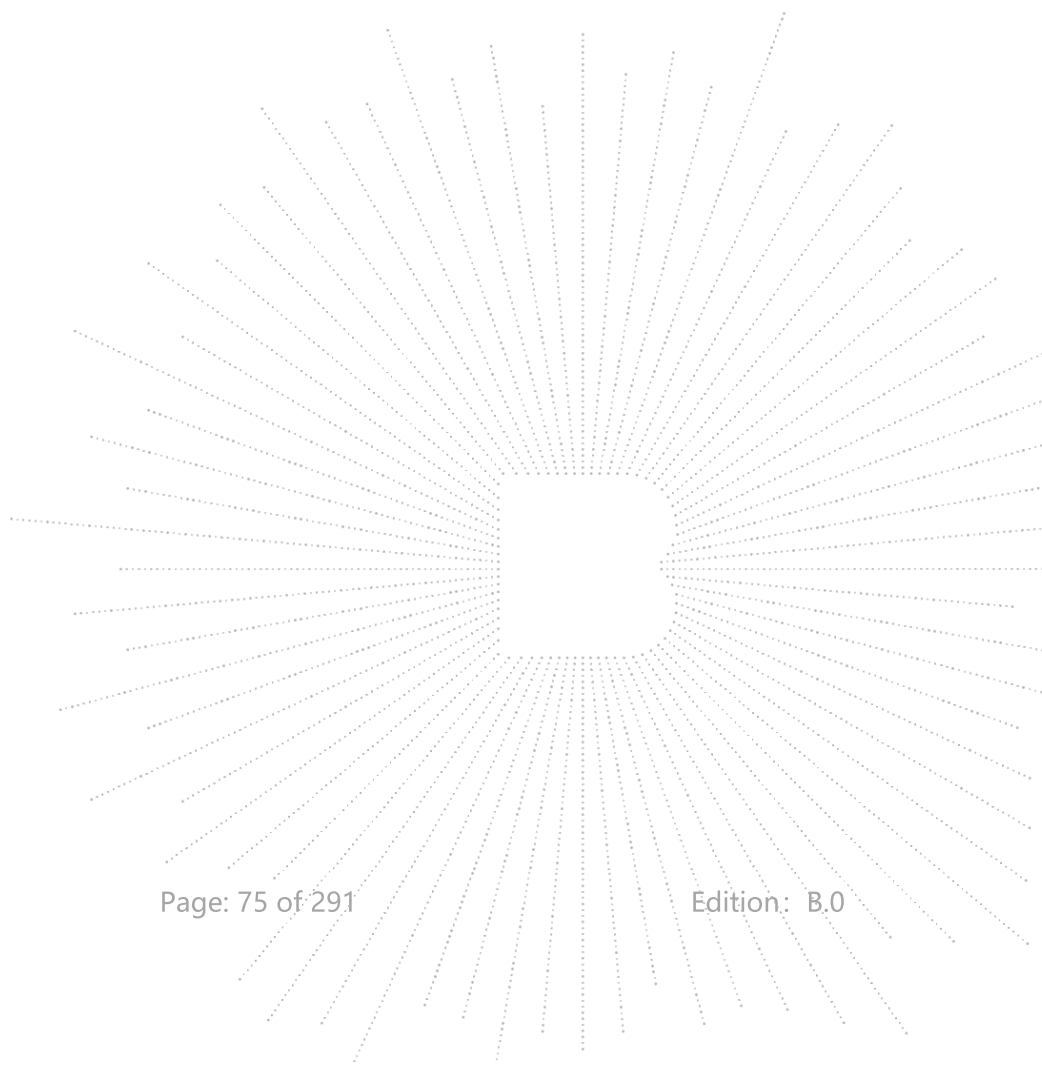




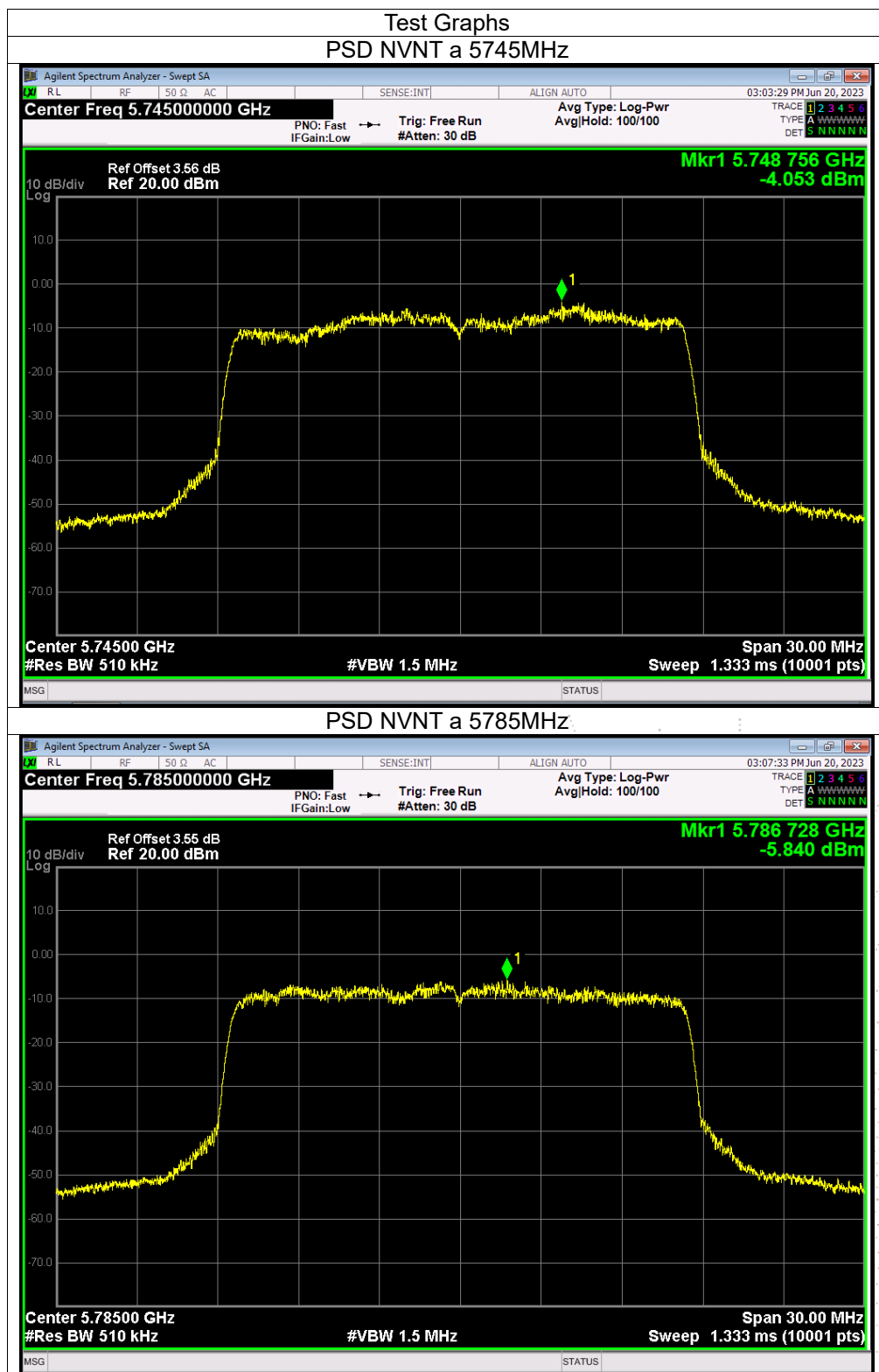


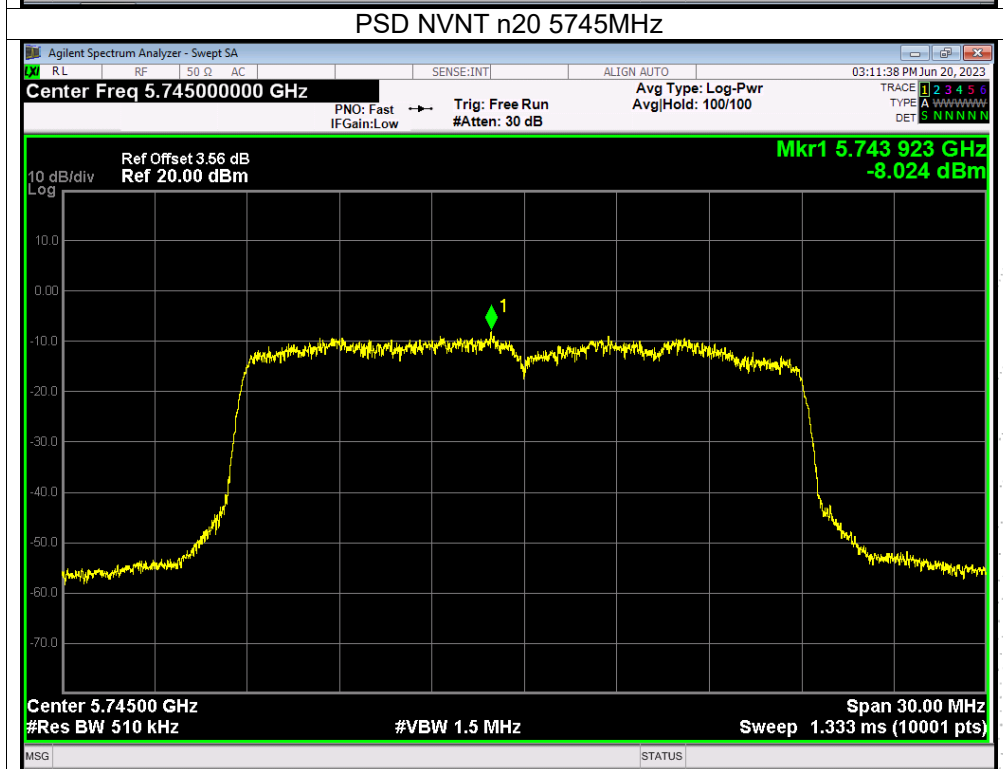
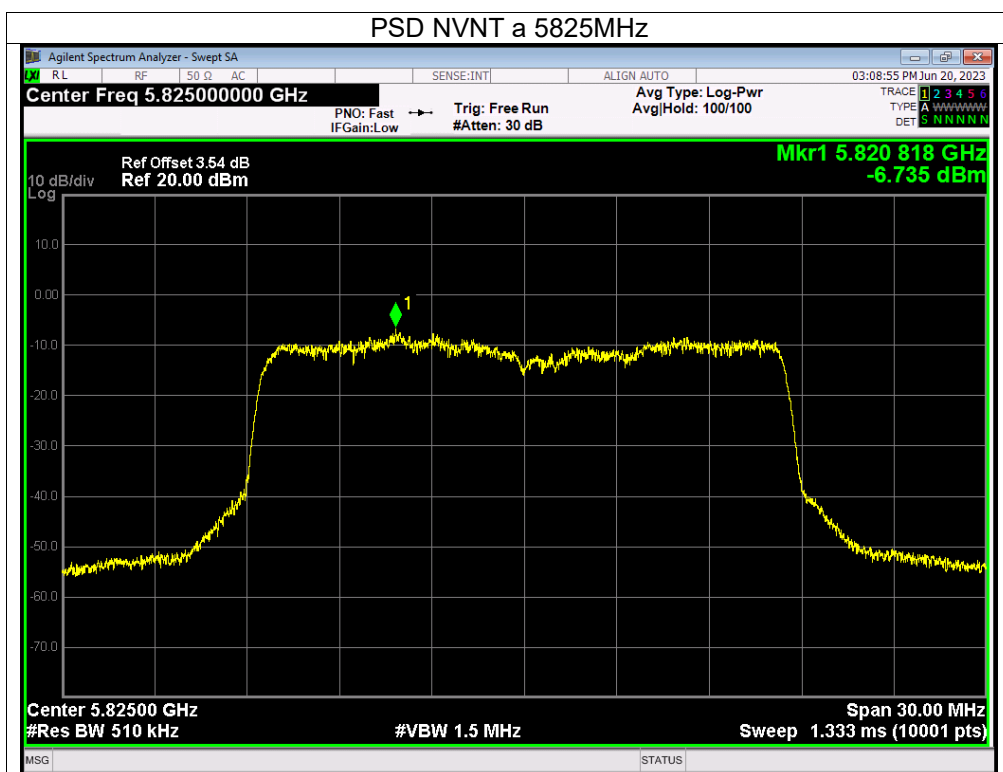
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Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5745-5825MHz)		

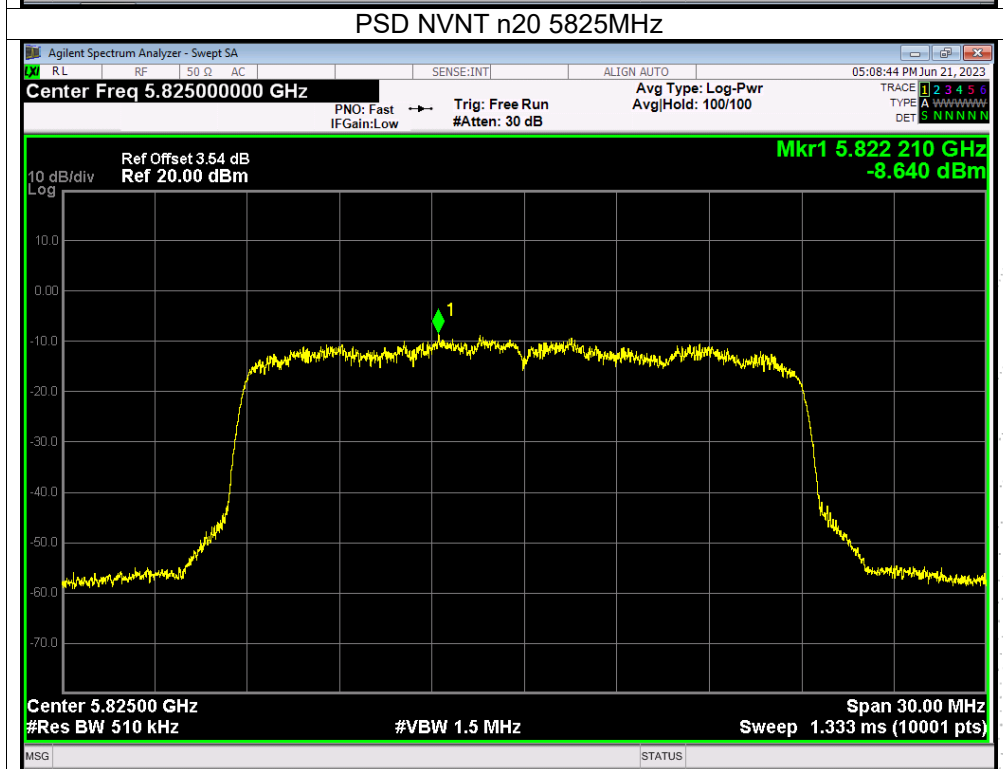
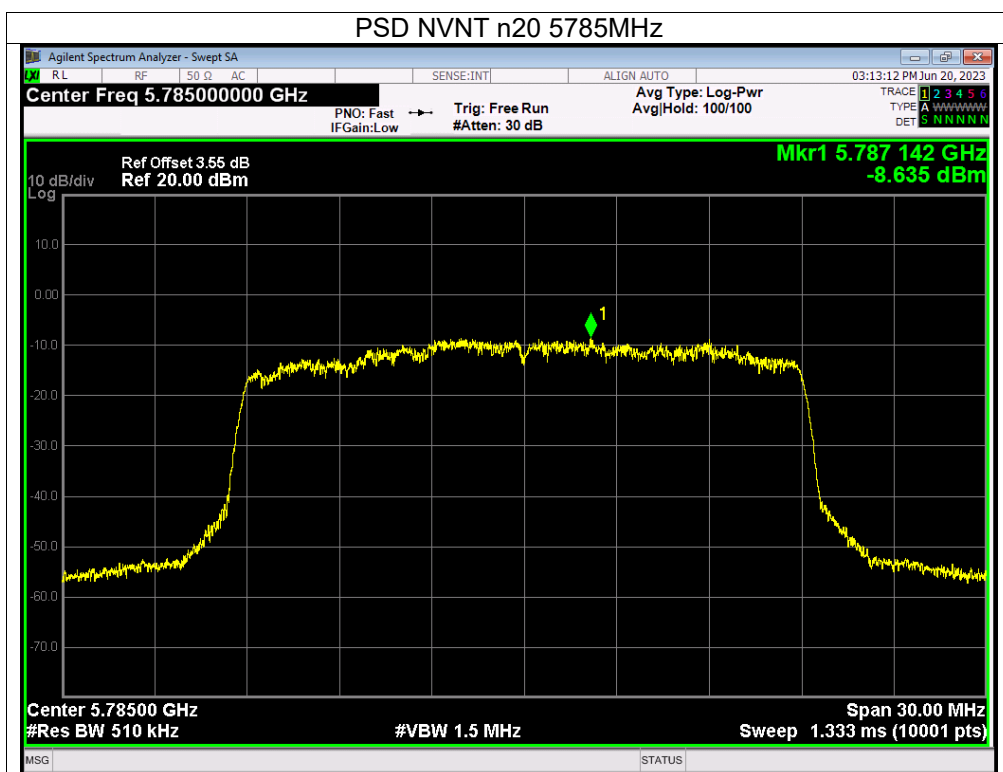
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/500KHz)		Total (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
			Ant A	Ant B			
NVNT	a	5745	-4.12	-4.05	/	30	Pass
NVNT	a	5785	-4.44	-5.84	/	30	Pass
NVNT	a	5825	-6.32	-6.74	/	30	Pass
NVNT	n20	5745	-6.93	-8.02	-4.43	30	Pass
NVNT	n20	5785	-8.49	-8.64	-5.55	30	Pass
NVNT	n20	5825	-9.51	-8.64	-6.04	30	Pass
NVNT	n40	5755	-14.51	-14.45	-11.47	30	Pass
NVNT	n40	5795	-14.79	-12.47	-10.47	30	Pass
NVNT	ac20	5745	-8.26	-7.32	-4.75	30	Pass
NVNT	ac20	5785	-8.75	-9.09	-5.91	30	Pass
NVNT	ac20	5825	-9.33	-8.83	-6.06	30	Pass
NVNT	ac40	5755	-14.80	-13.20	-10.92	30	Pass
NVNT	ac40	5795	-12.40	-12.76	-9.57	30	Pass
NVNT	ac80	5775	-20.50	-23.54	-18.75	30	Pass

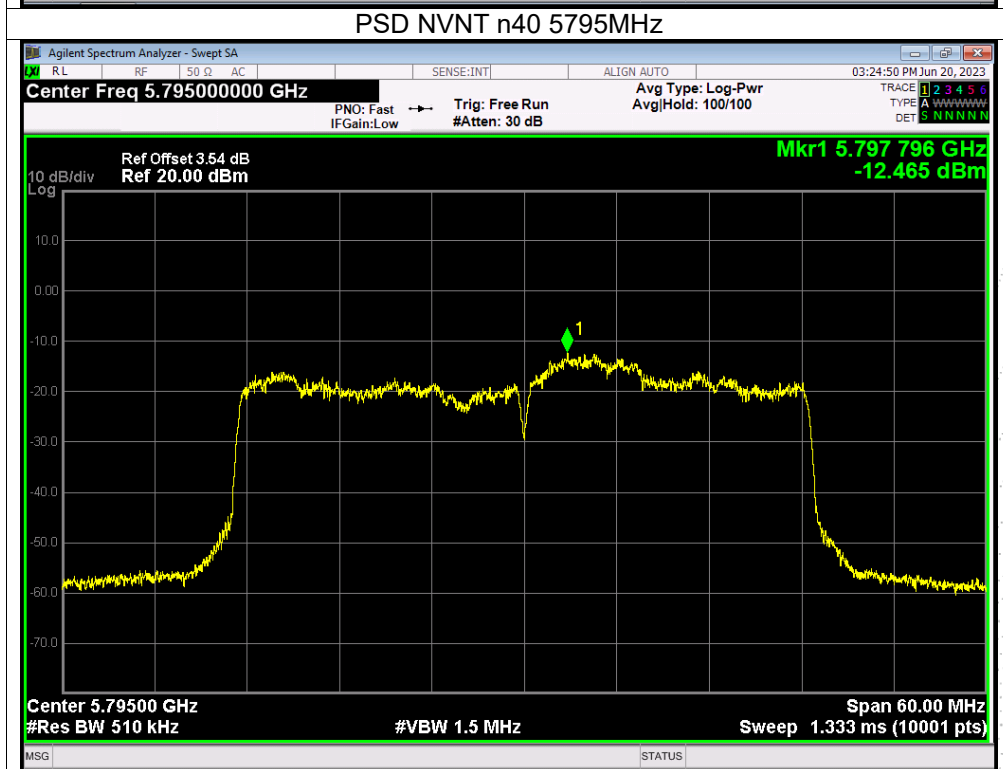
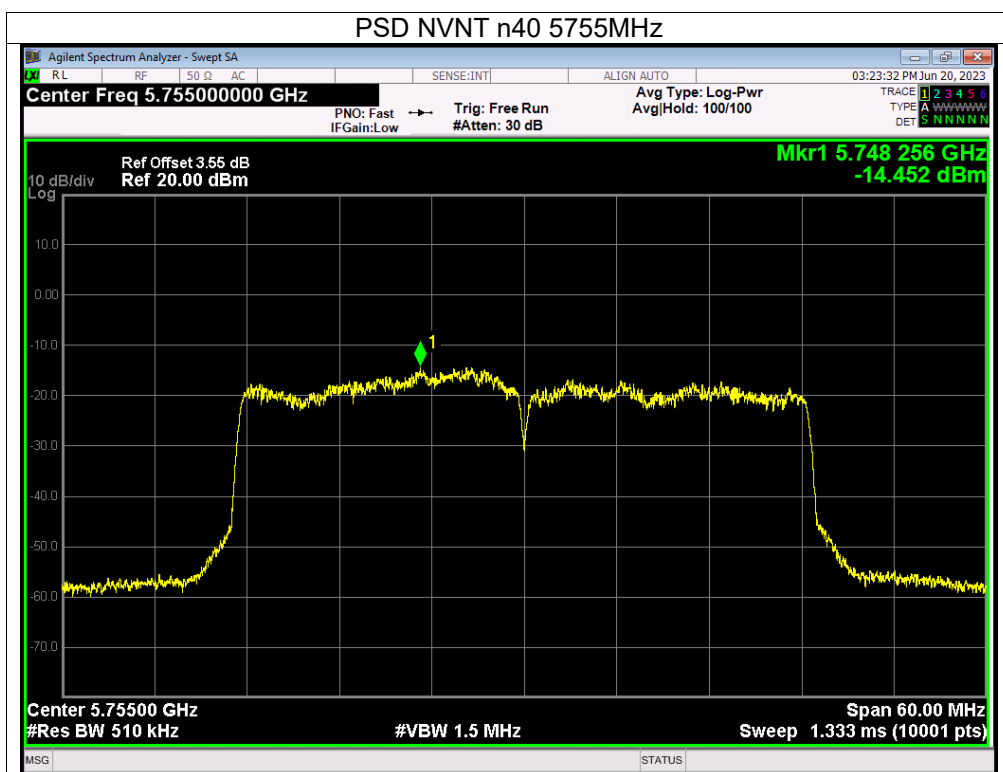


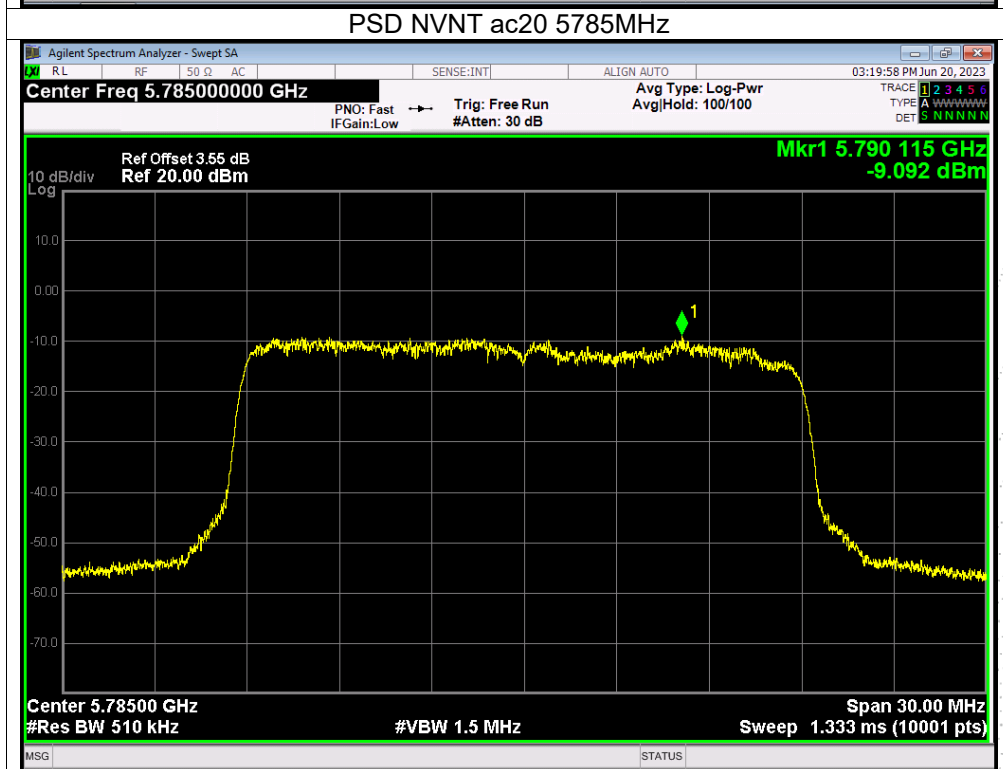
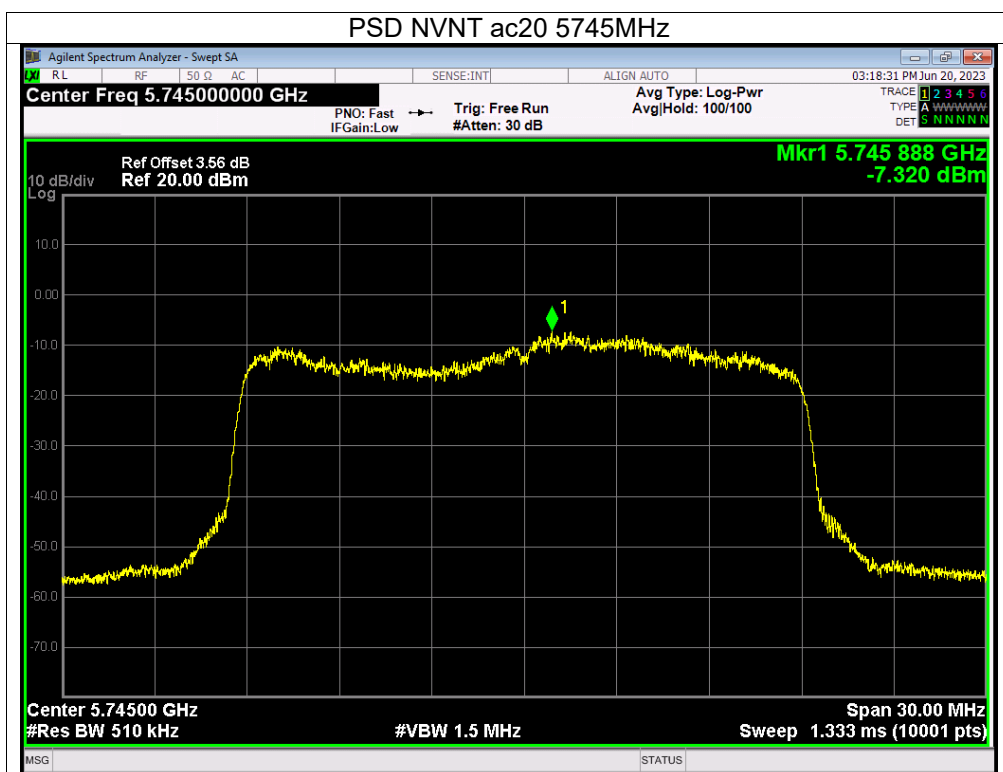
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

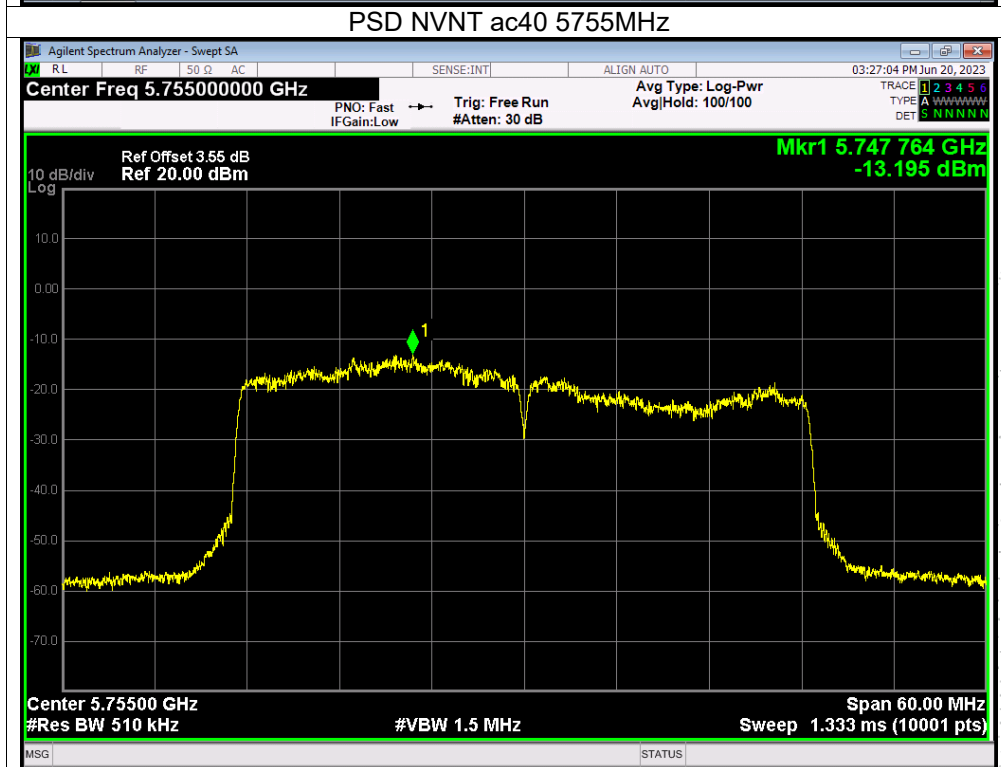
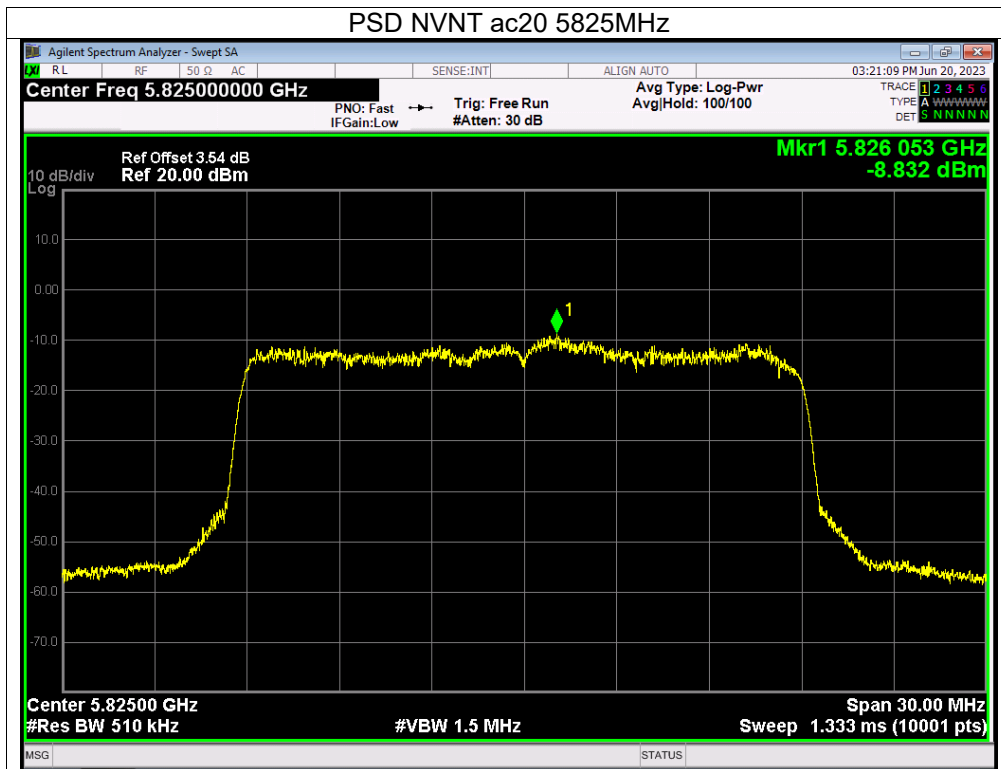


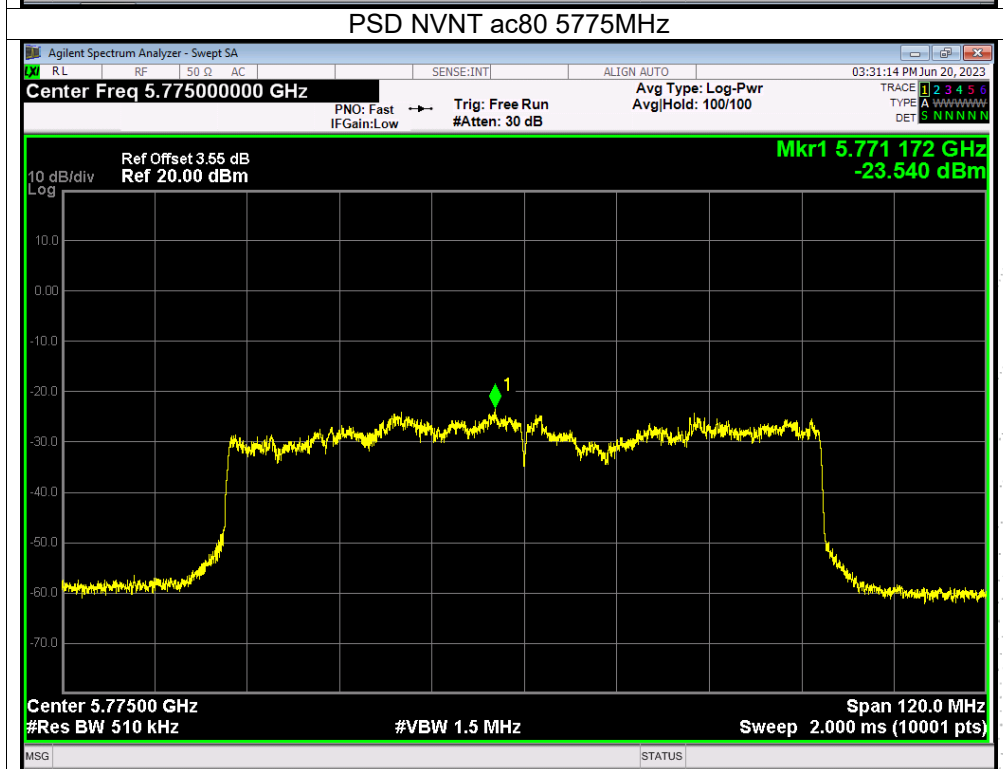
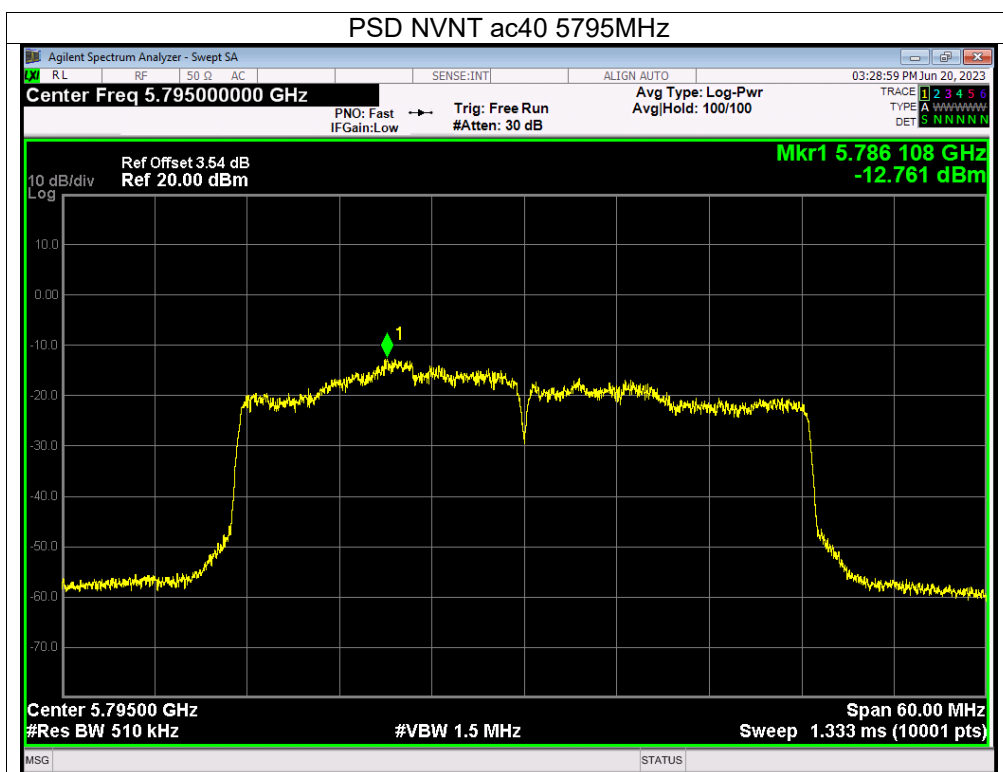






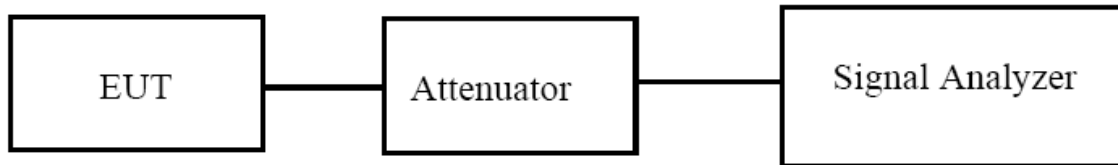






9. 26dB & 6dB & 99% Emission Bandwidth

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

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

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

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

9.4 EUT Operating Conditions

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

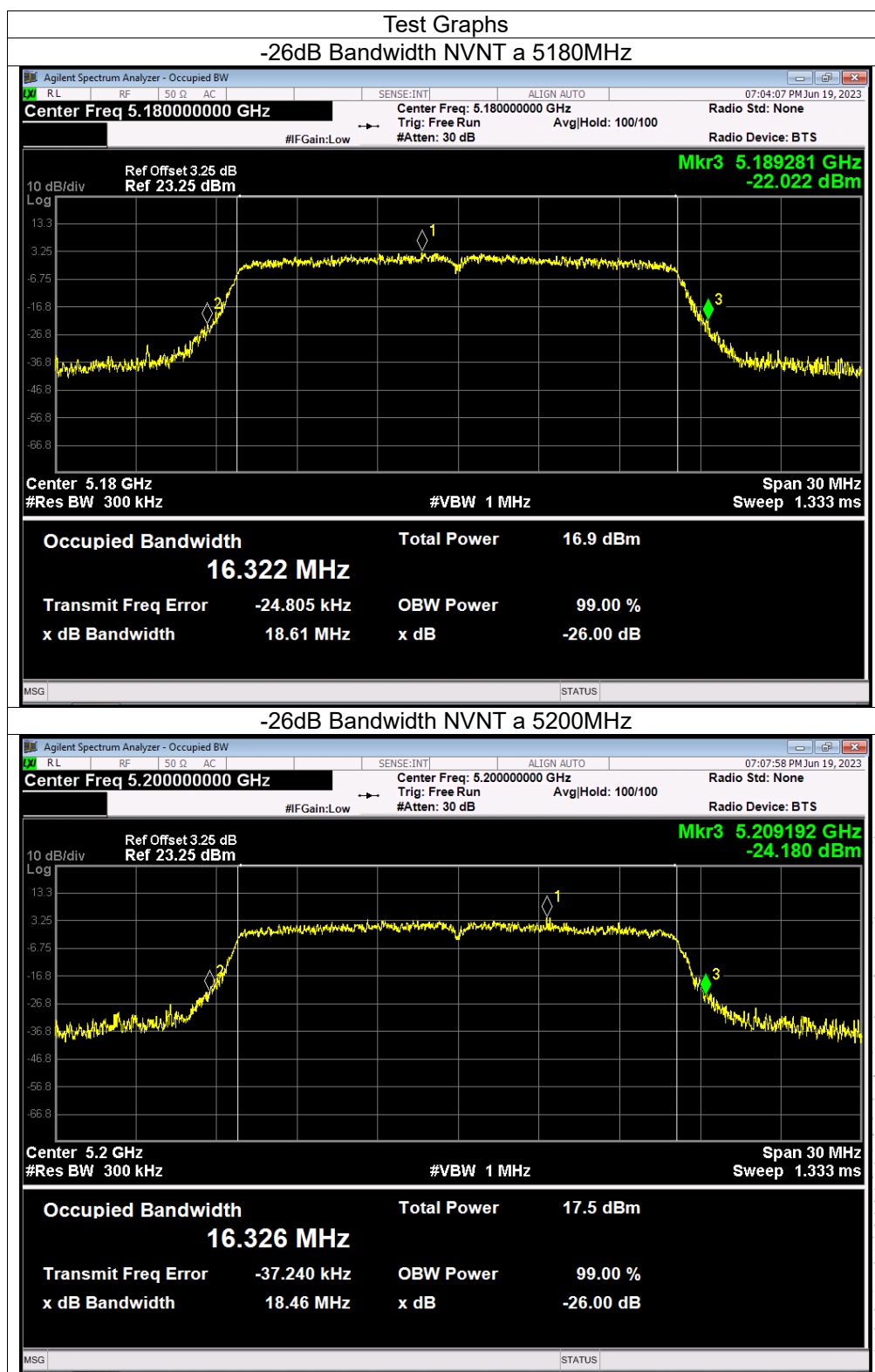
9.5 Test Result

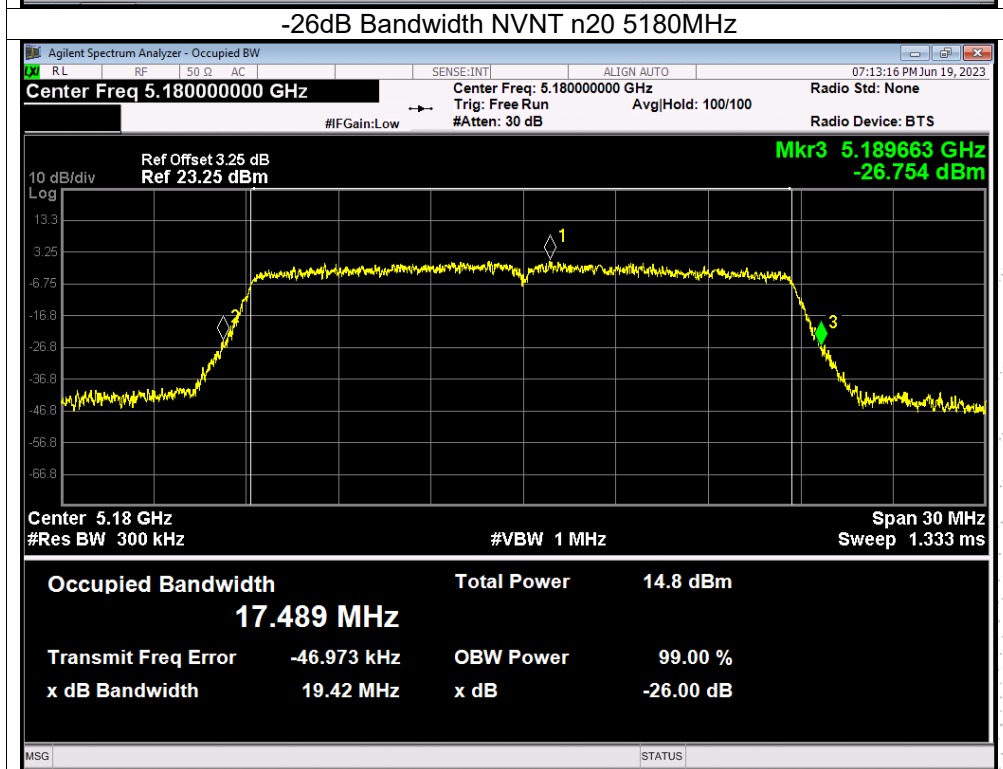
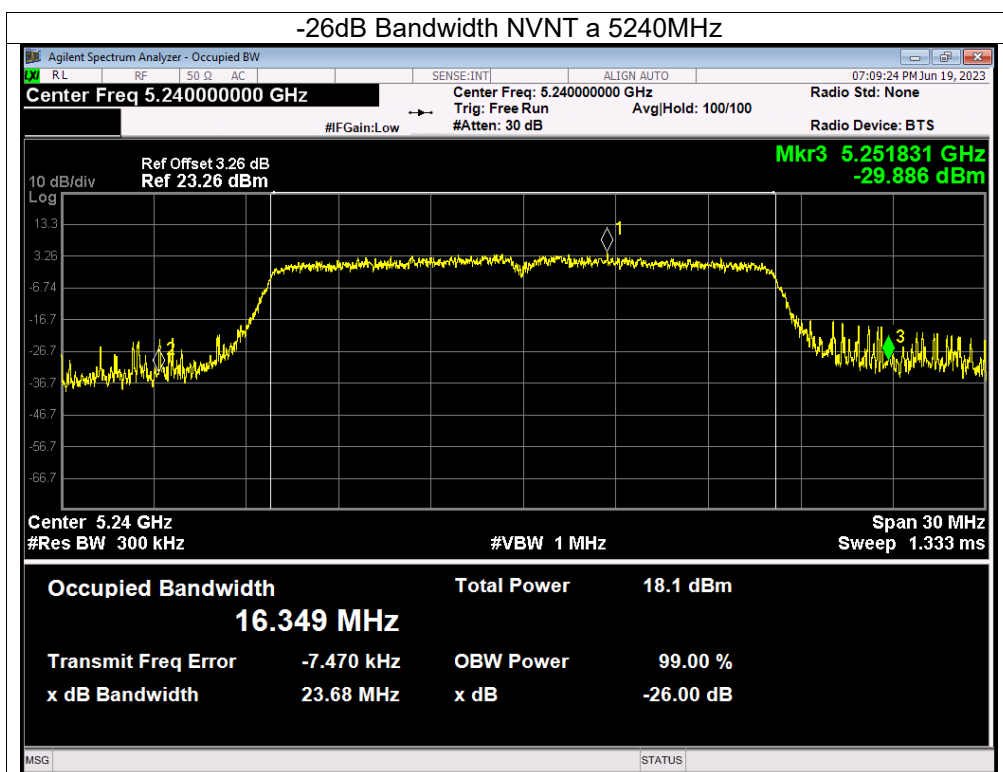
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5180-5240MHz)		

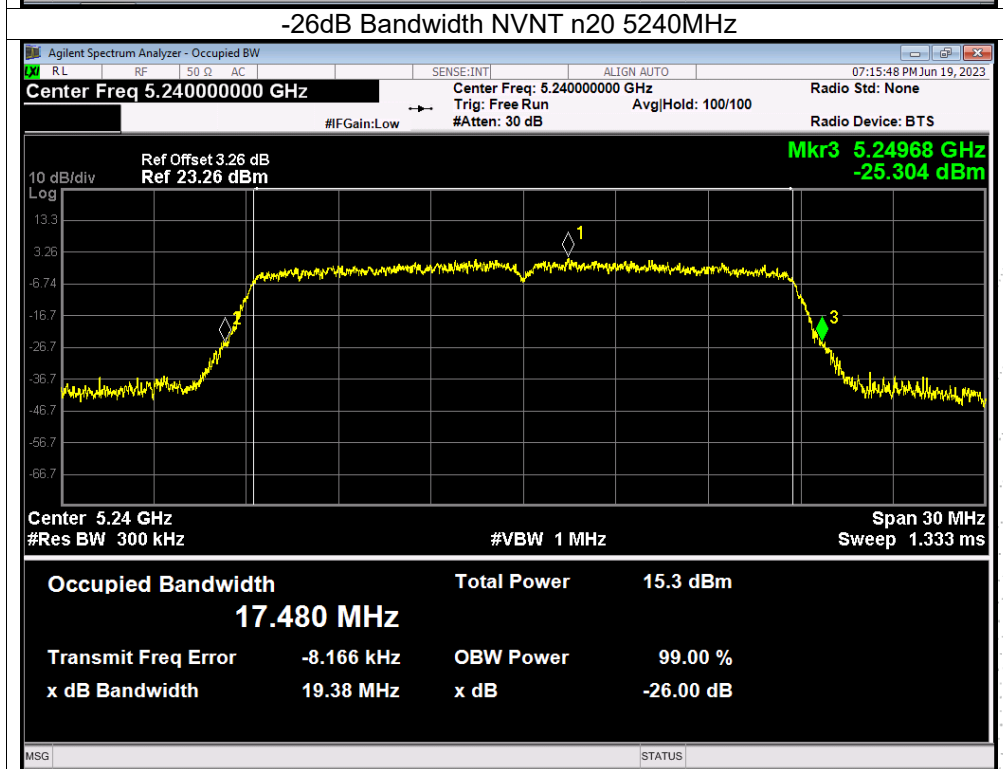
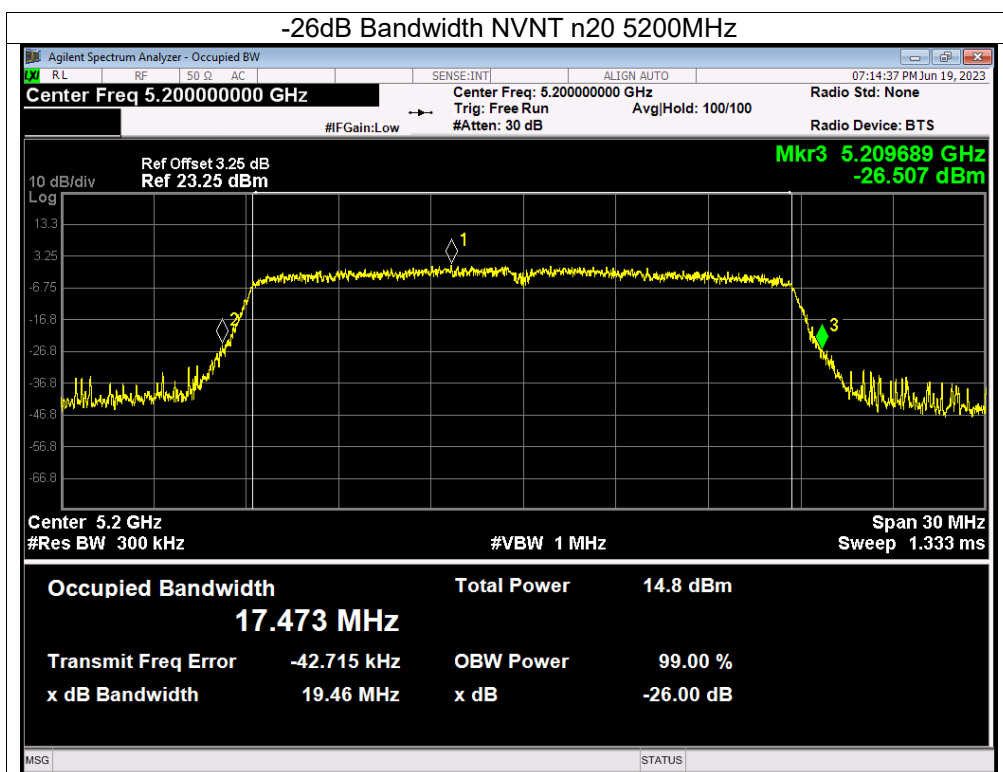
Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		Verdict
			Ant A	Ant B	
NVNT	a	5180	18.612	18.463	Pass
NVNT	a	5200	18.458	18.440	Pass
NVNT	a	5240	23.677	18.566	Pass
NVNT	n20	5180	19.419	19.434	Pass
NVNT	n20	5200	19.464	19.459	Pass
NVNT	n20	5240	19.377	19.282	Pass
NVNT	n40	5190	39.792	39.855	Pass
NVNT	n40	5230	39.814	39.896	Pass
NVNT	ac20	5180	19.390	19.305	Pass
NVNT	ac20	5200	19.241	19.371	Pass
NVNT	ac20	5240	19.366	19.412	Pass
NVNT	ac40	5190	39.719	39.965	Pass
NVNT	ac40	5230	39.617	39.771	Pass
NVNT	ac80	5210	82.173	82.134	Pass

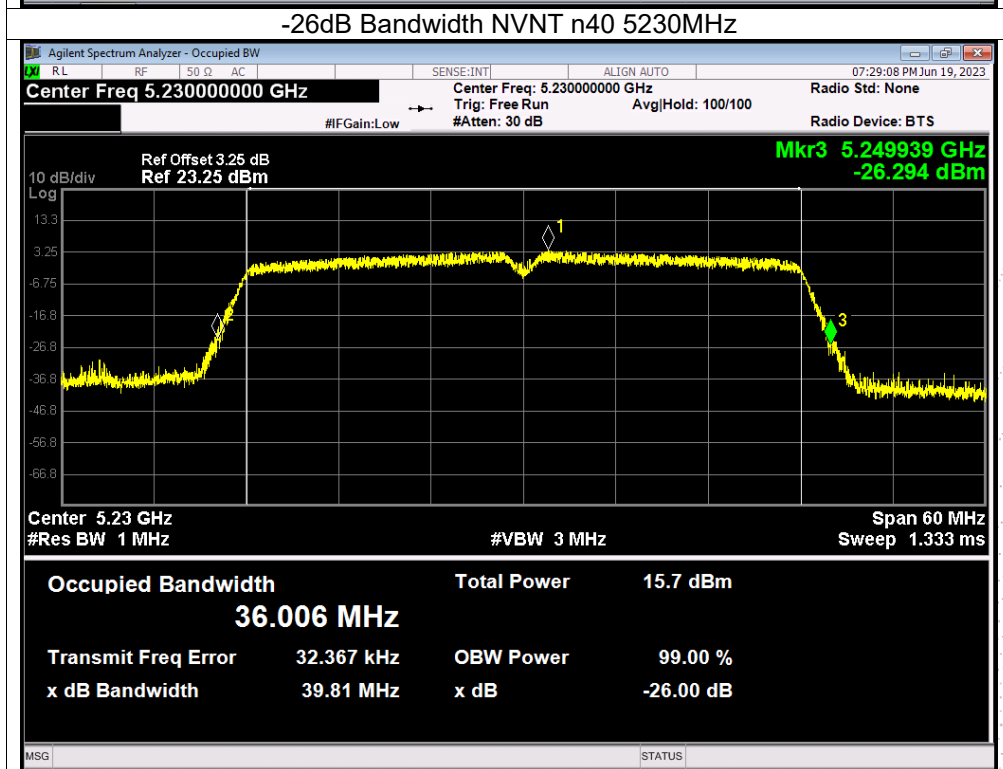
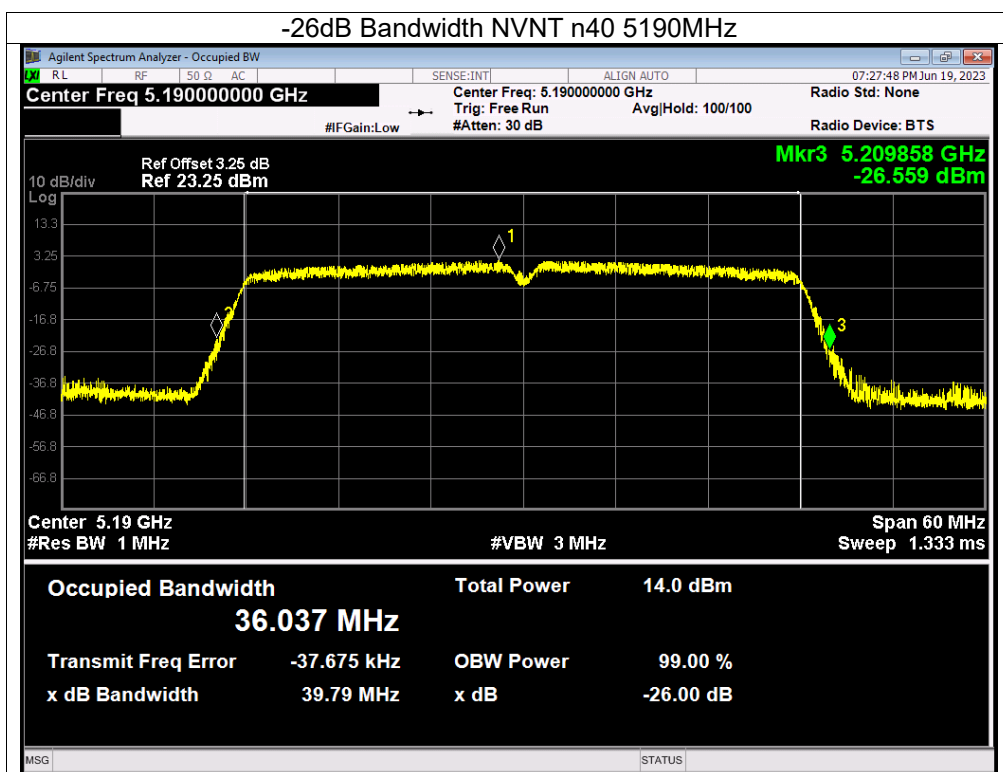
Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5180	16.295	16.276
NVNT	a	5200	16.285	16.276
NVNT	a	5240	16.308	16.276
NVNT	n20	5180	17.457	17.462
NVNT	n20	5200	17.442	17.472
NVNT	n20	5240	17.457	17.448
NVNT	n40	5190	35.905	35.895
NVNT	n40	5230	35.919	35.920
NVNT	ac20	5180	17.463	17.451
NVNT	ac20	5200	17.453	17.469
NVNT	ac20	5240	17.464	17.461
NVNT	ac40	5190	35.902	35.919
NVNT	ac40	5230	35.905	35.848
NVNT	ac80	5210	74.994	74.986

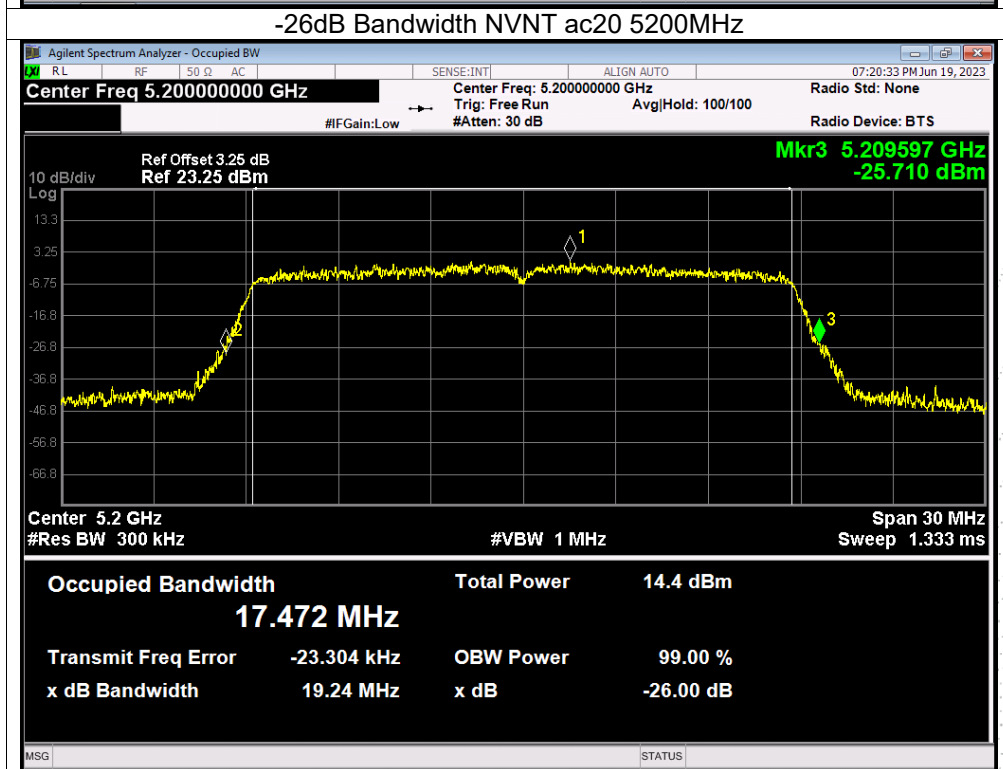
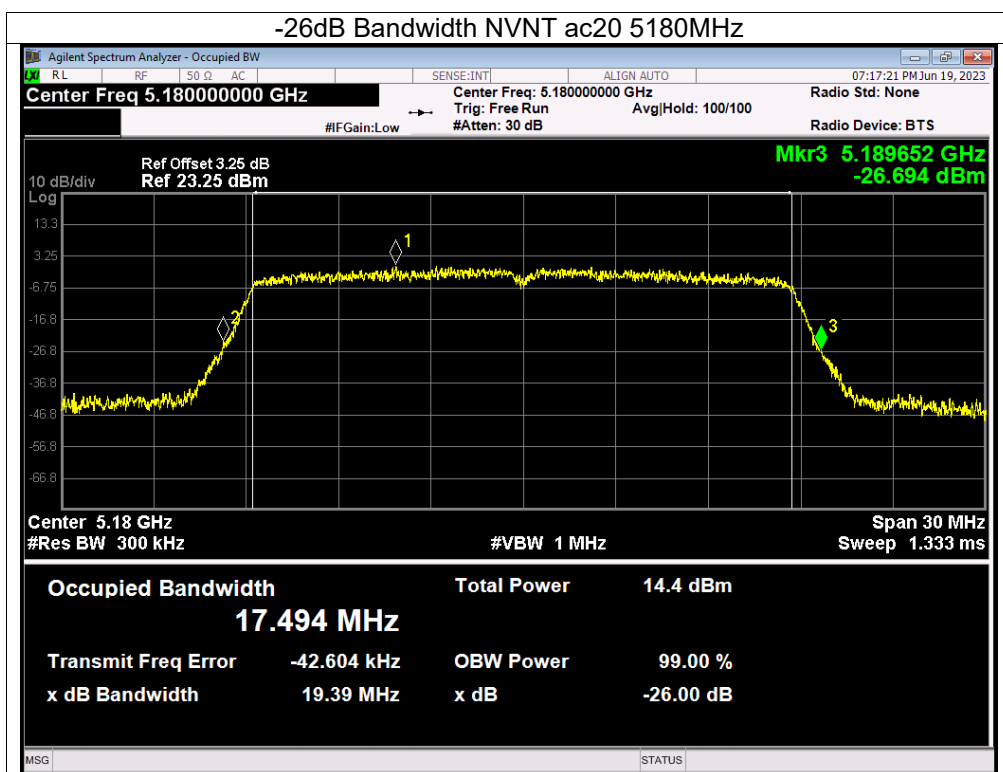
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

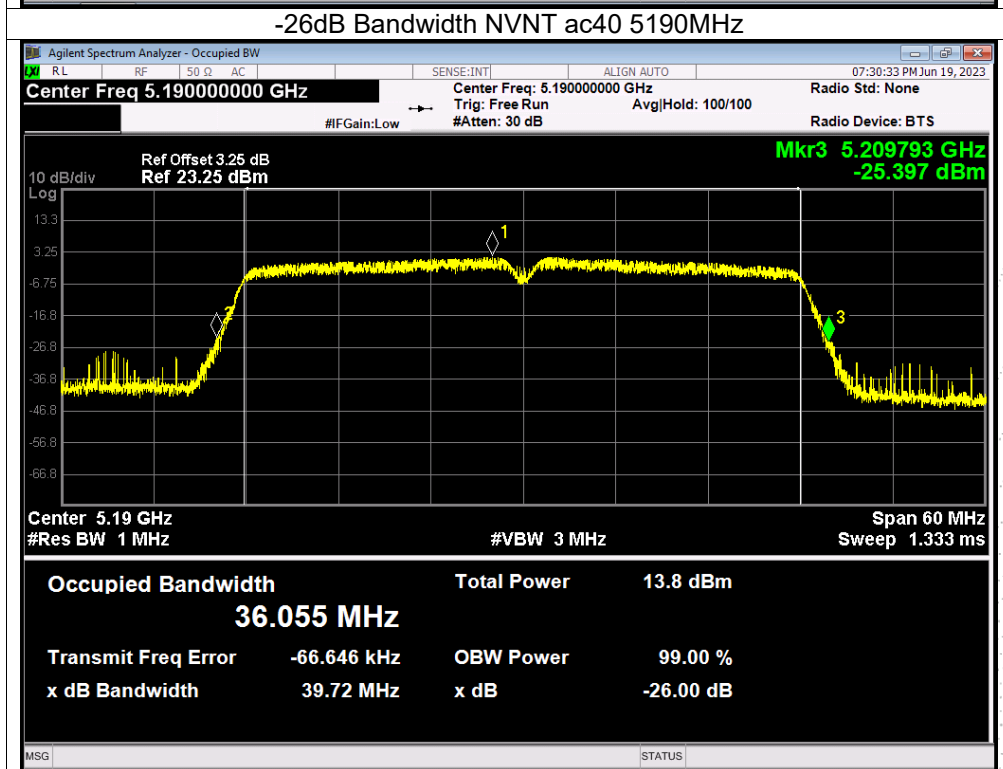
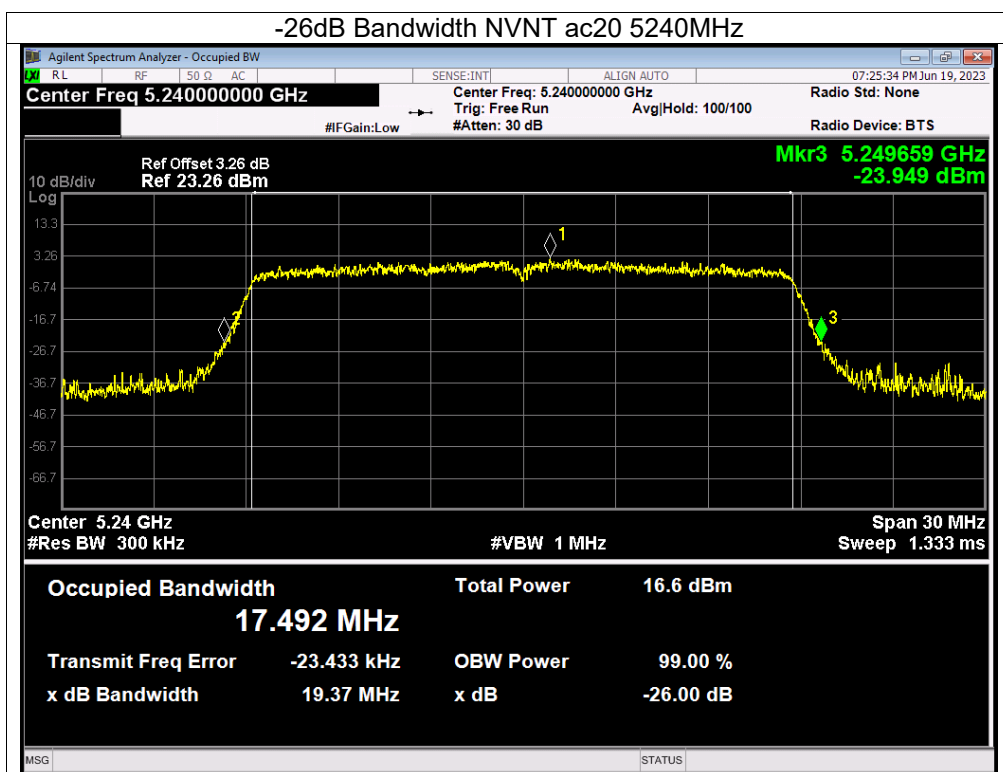


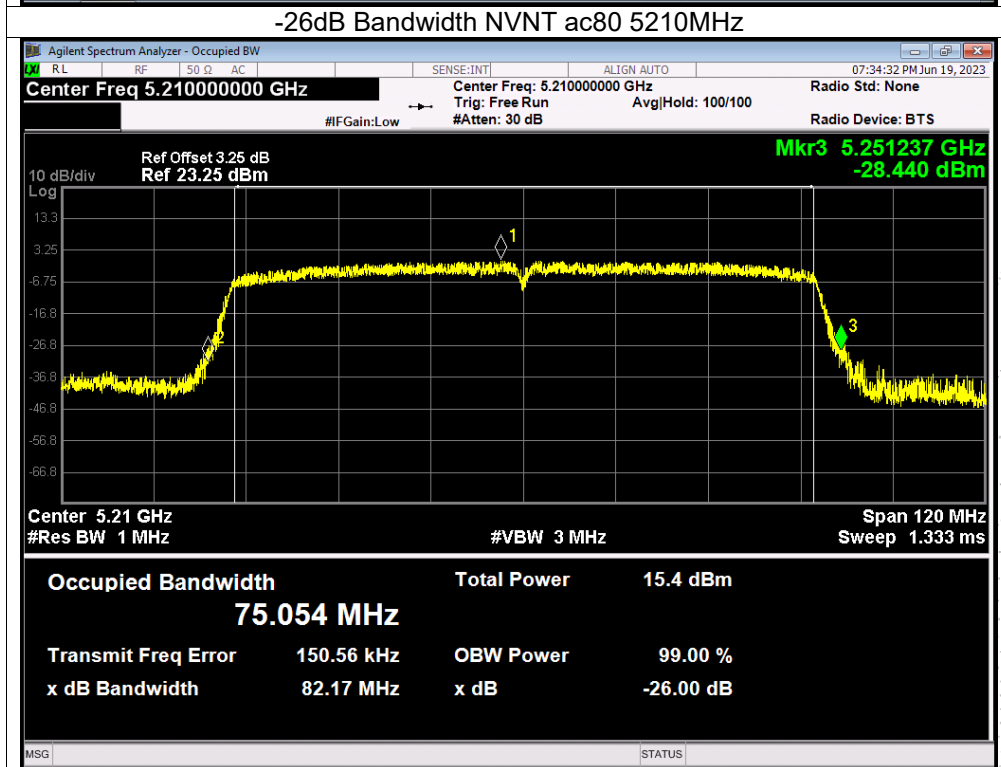
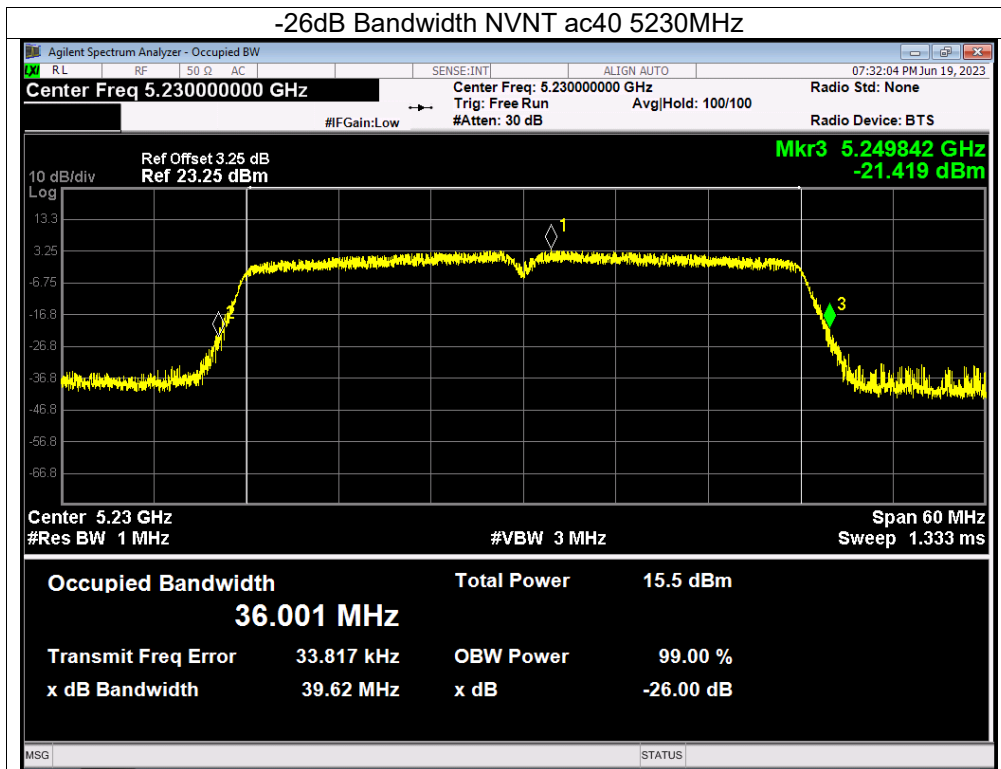


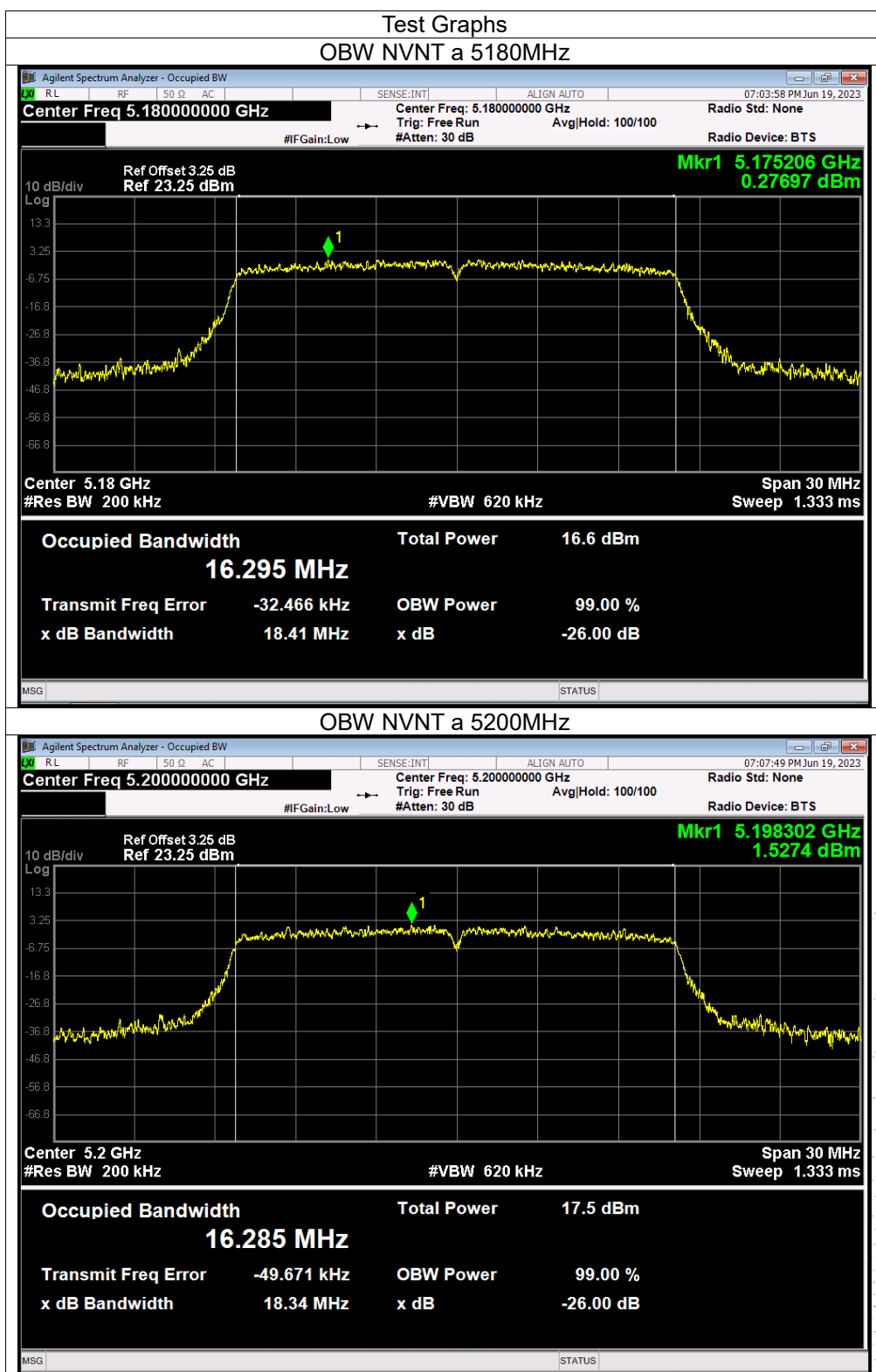


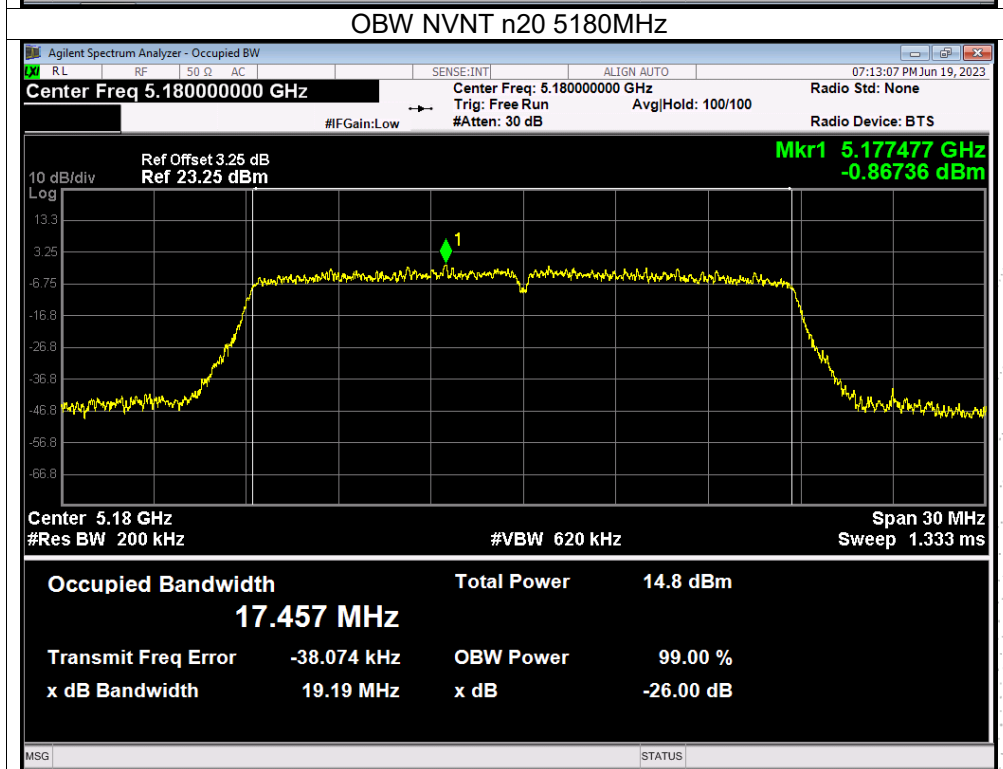
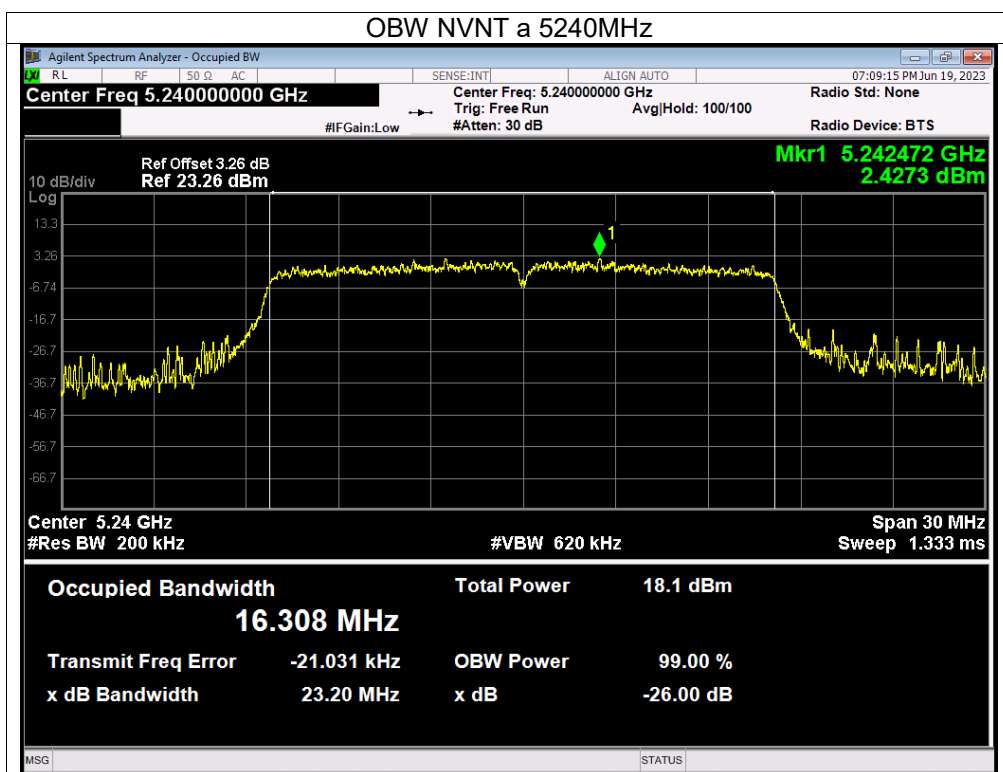


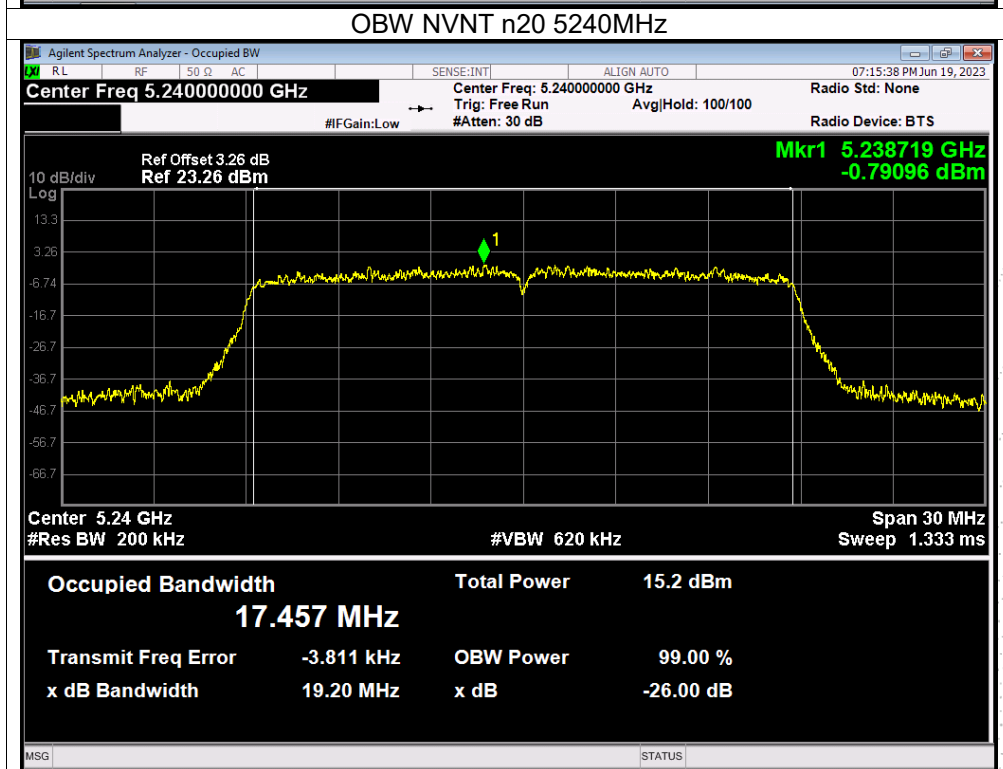
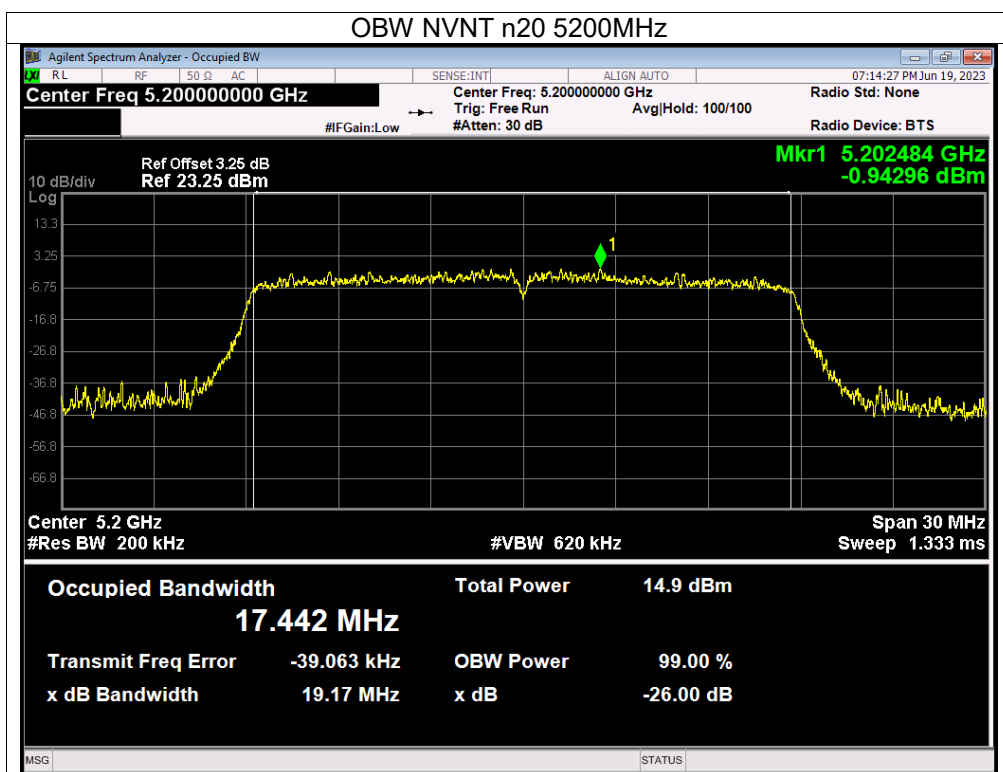


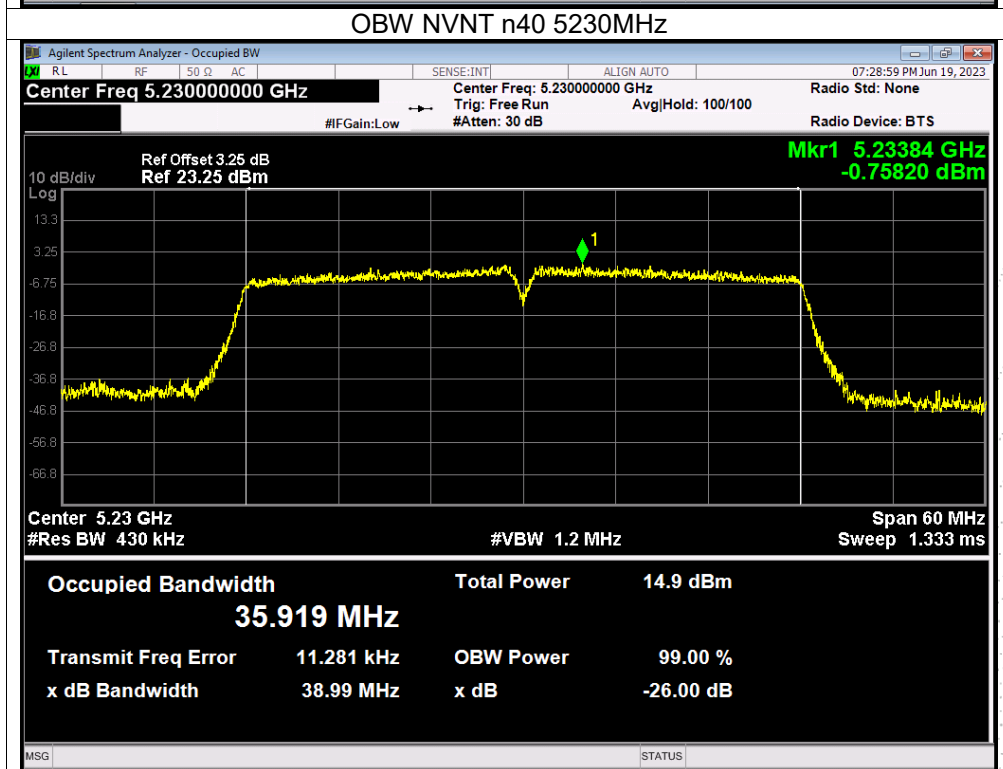
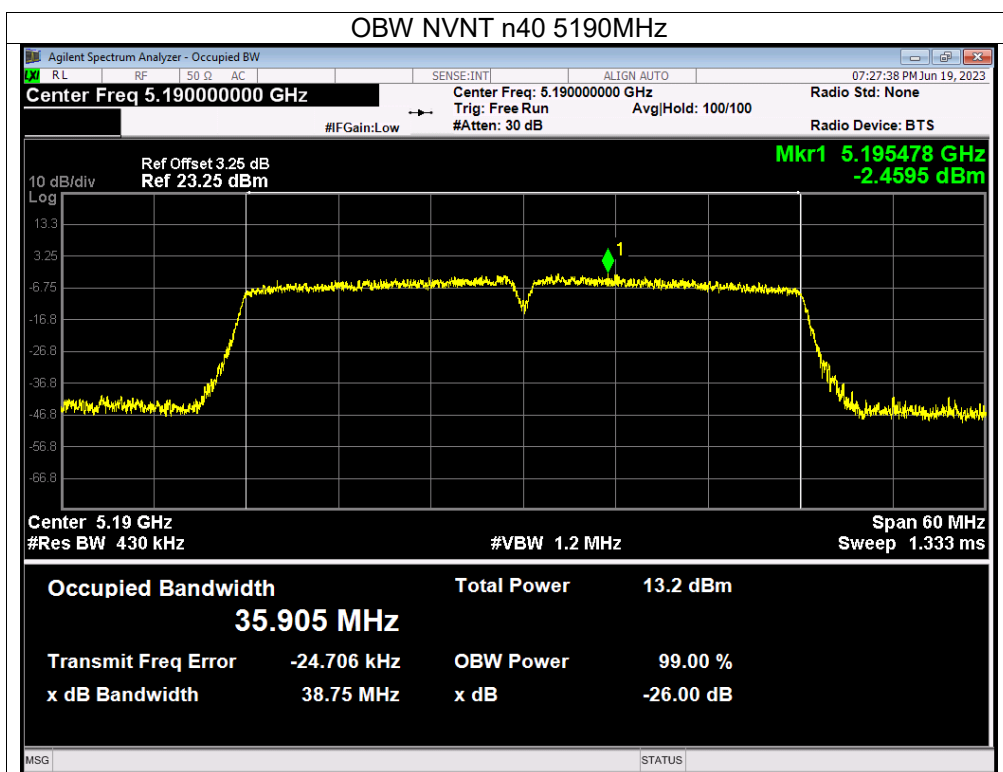


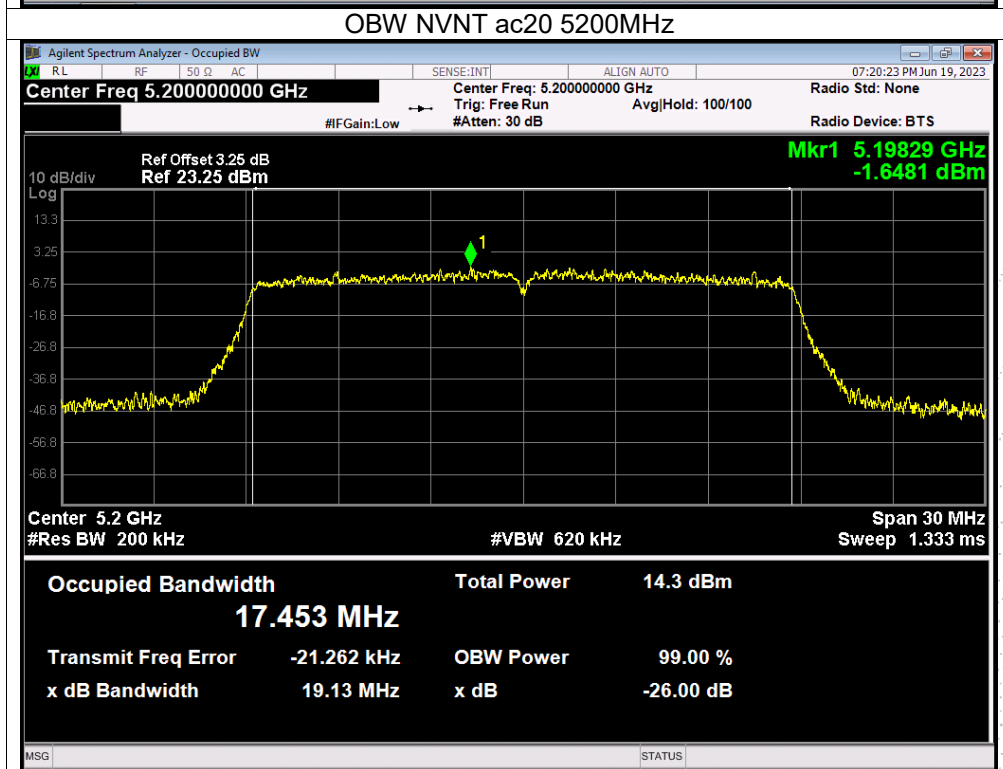
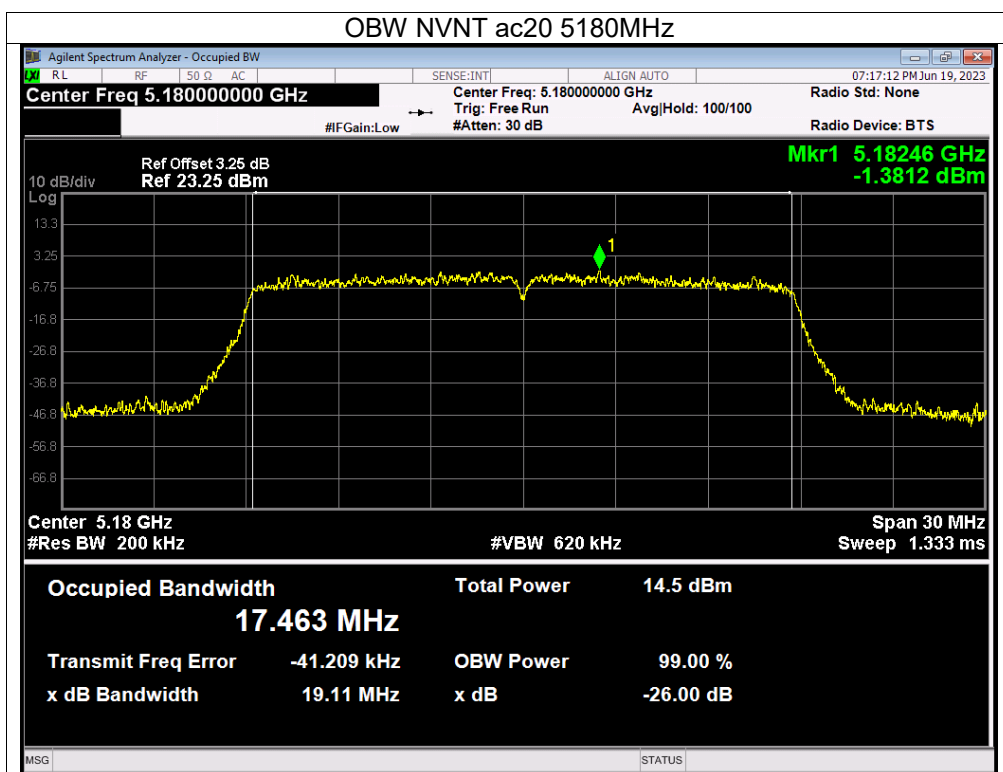


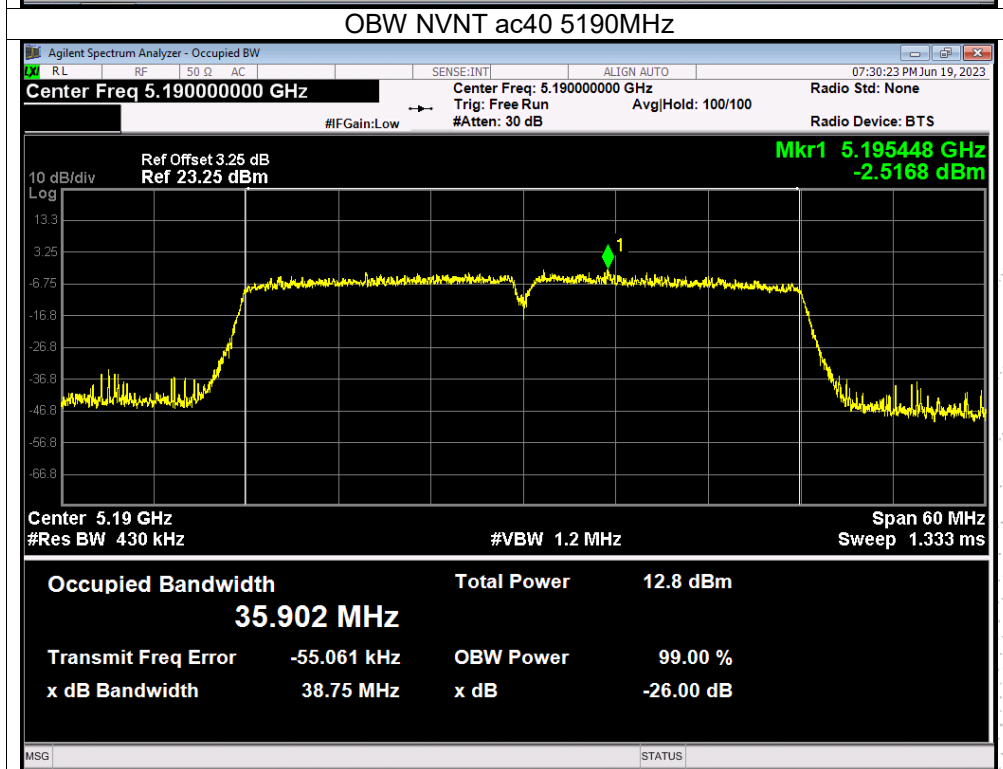
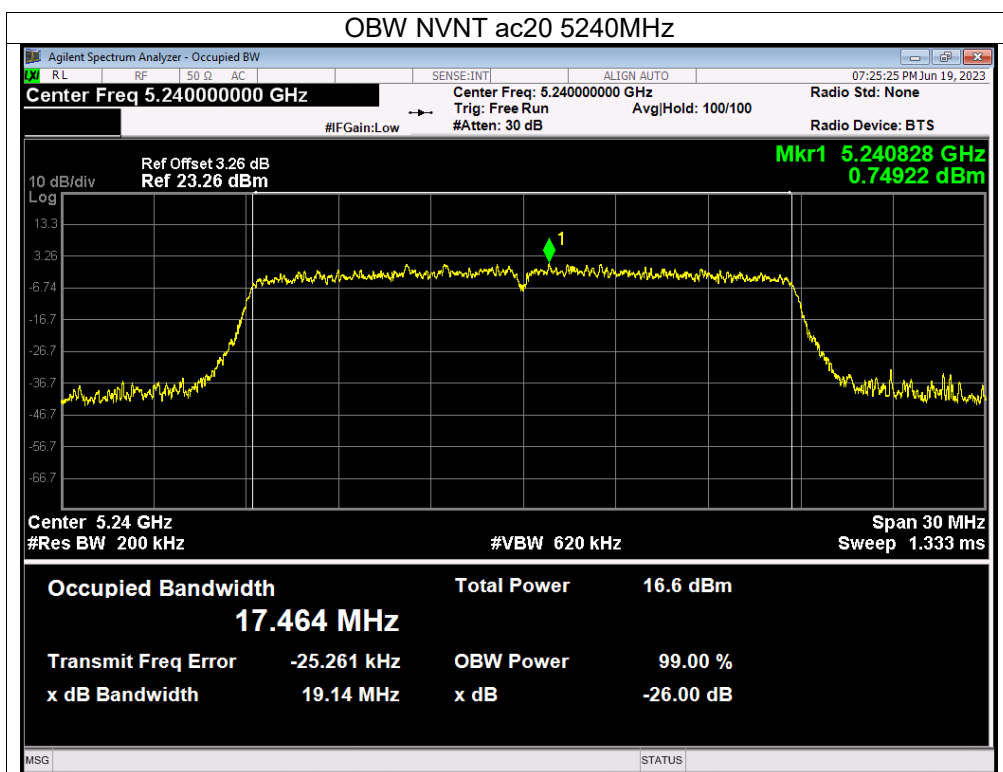


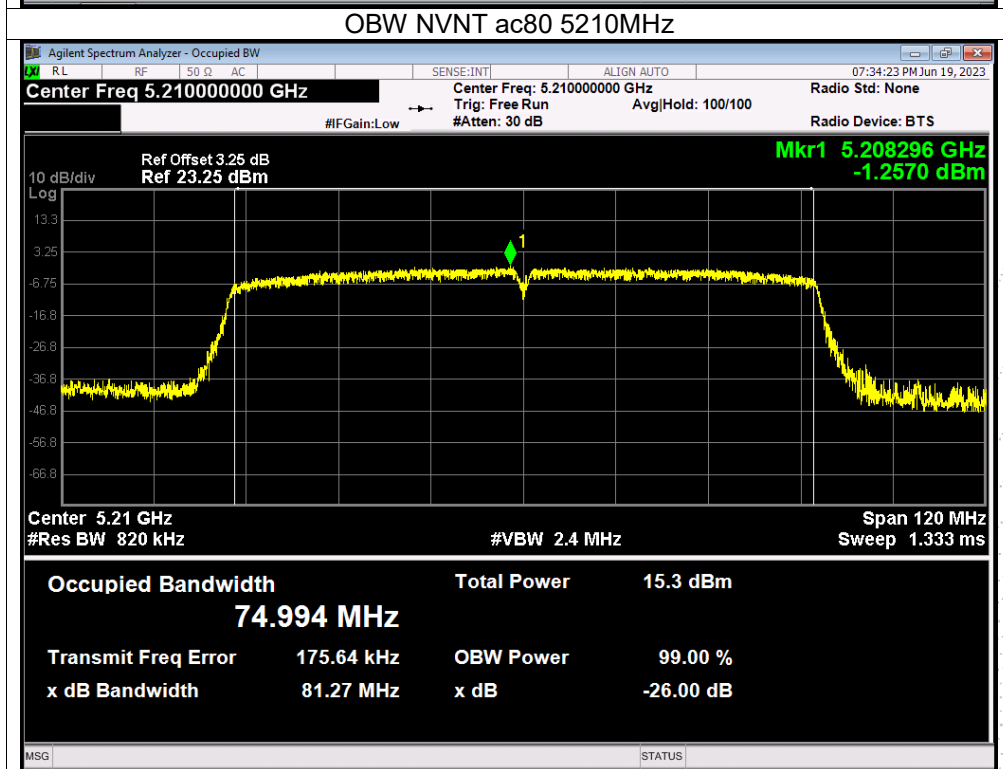
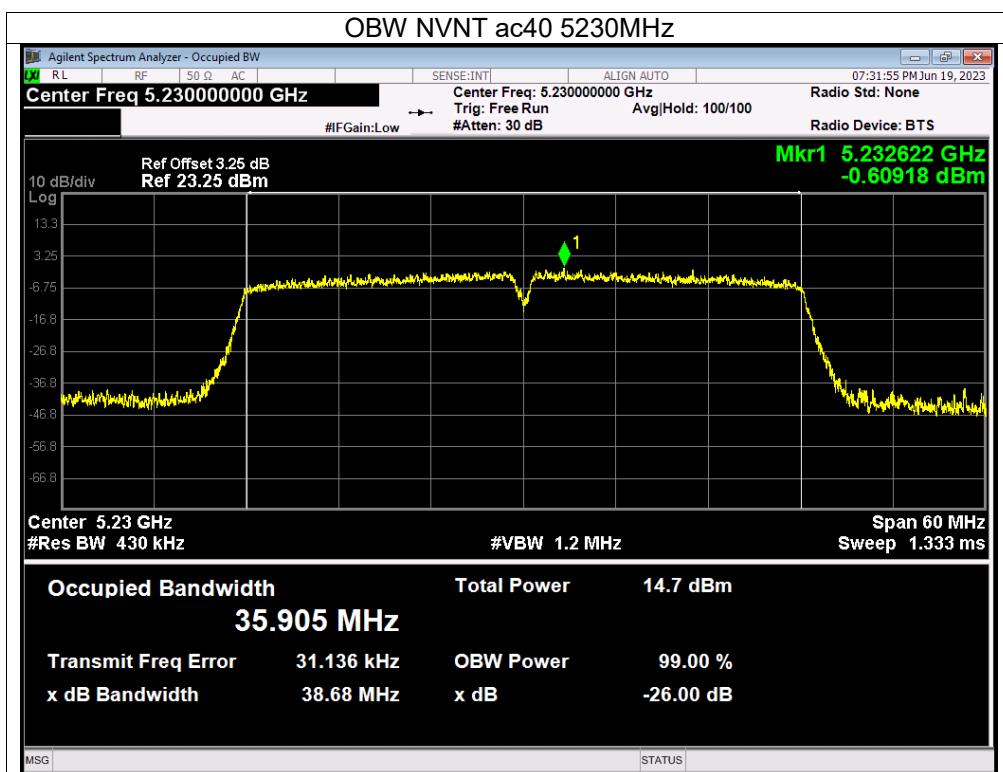












Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	(5260-5320MHz)		

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		Verdict
			Ant A	Ant B	
NVNT	a	5260	18.576	18.416	Pass
NVNT	a	5280	18.442	18.433	Pass
NVNT	a	5320	18.279	18.549	Pass
NVNT	n20	5260	19.504	19.336	Pass
NVNT	n20	5280	19.502	19.371	Pass
NVNT	n20	5320	19.221	19.472	Pass
NVNT	n40	5270	39.767	39.956	Pass
NVNT	n40	5310	39.768	39.580	Pass
NVNT	ac20	5260	19.408	19.426	Pass
NVNT	ac20	5280	19.421	19.398	Pass
NVNT	ac20	5320	19.412	19.593	Pass
NVNT	ac40	5270	39.808	39.740	Pass
NVNT	ac40	5310	39.639	39.698	Pass
NVNT	ac80	5290	81.600	81.628	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5260	16.286	16.290
NVNT	a	5280	16.274	16.267
NVNT	a	5320	16.271	16.261
NVNT	n20	5260	17.459	17.448
NVNT	n20	5280	17.454	17.454
NVNT	n20	5320	17.458	17.440
NVNT	n40	5270	35.907	35.861
NVNT	n40	5310	35.823	35.801
NVNT	ac20	5260	17.446	17.451
NVNT	ac20	5280	17.456	17.455
NVNT	ac20	5320	17.468	17.450
NVNT	ac40	5270	35.861	35.848
NVNT	ac40	5310	35.903	35.837
NVNT	ac80	5290	74.761	74.976

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

