

TEST REPORT

Report No.: BCTC2307125634-2E

Applicant: REOLINK INNOVATION LIMITED

Product Name: WiFi IP Camera

Model/Type
reference: RLC-811WA

Tested Date: 2023-07-25 to 2023-08-17

Issued Date: 2023-08-18

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2AYHE-2306C

Product Name: WiFi IP Camera

Trademark: 

Model/Type reference: RLC-811WA
B8M11WA

Prepared For: REOLINK INNOVATION LIMITED

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

Manufacturer: REOLINK INNOVATION LIMITED

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Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Sample Received Date: 2023-07-25

Sample tested Date: 2023-07-25 to 2023-08-17

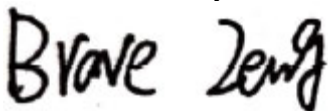
Issue Date: 2023-08-18

Report No.: BCTC2307125634-2E

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

Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

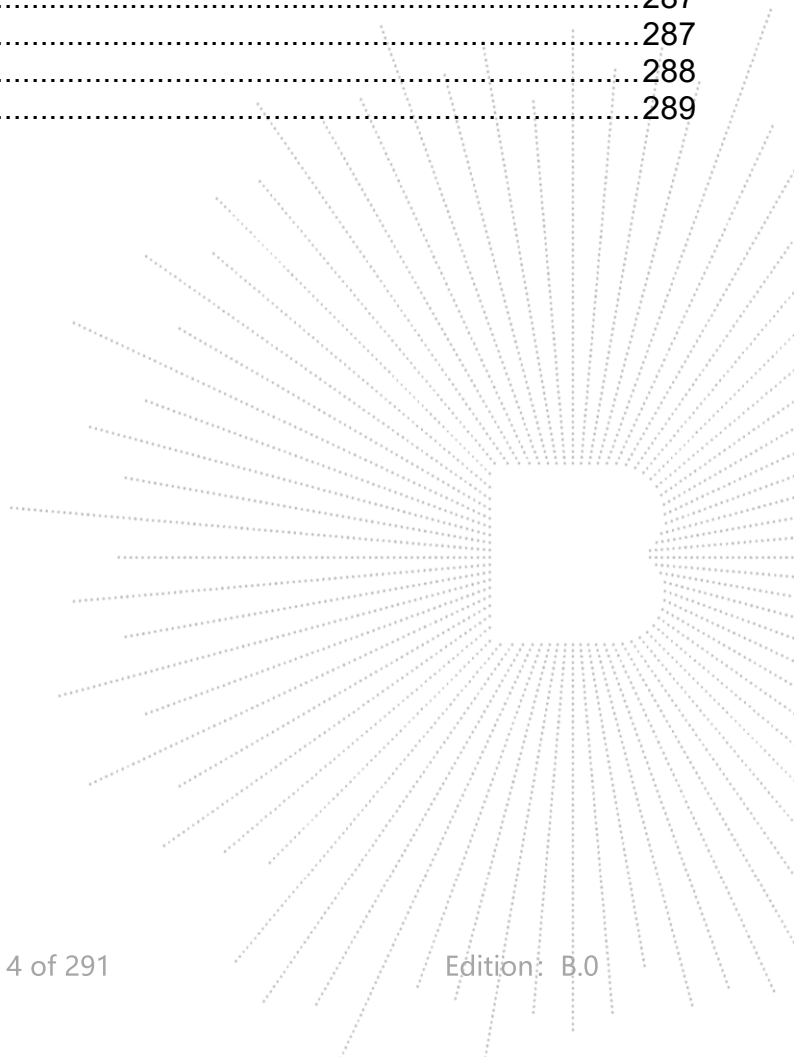
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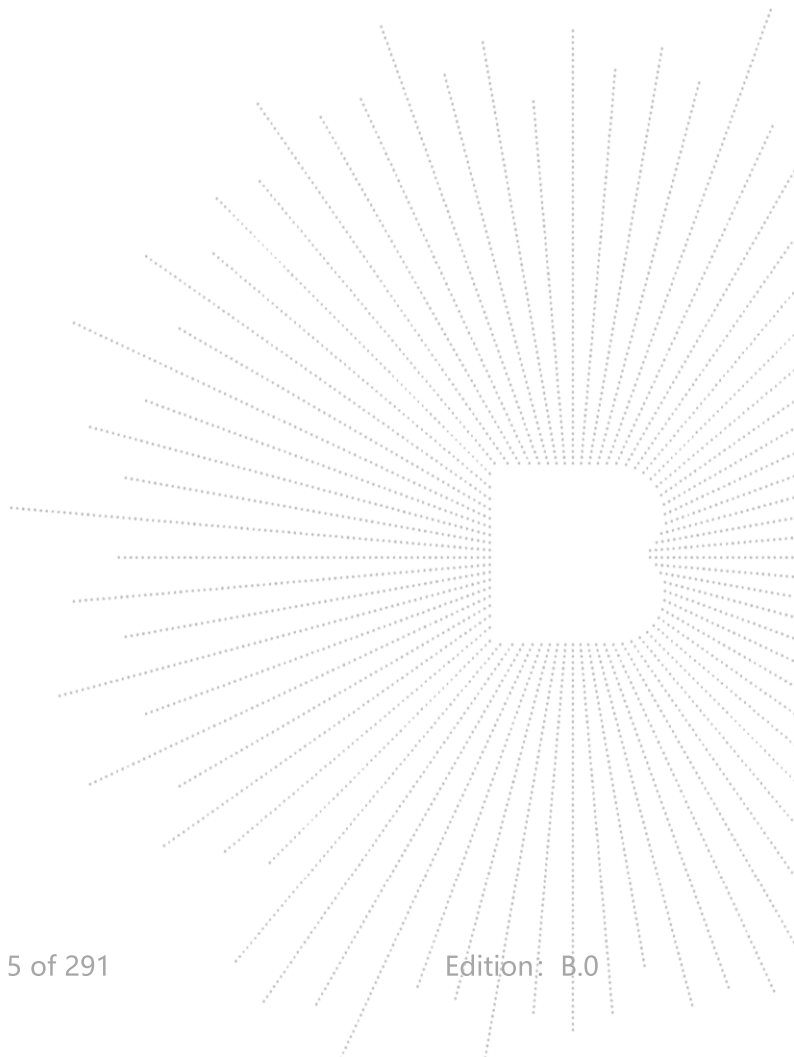
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(Note: N/A Means Not Applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2307125634-2E	2023-08-18	Original	Valid

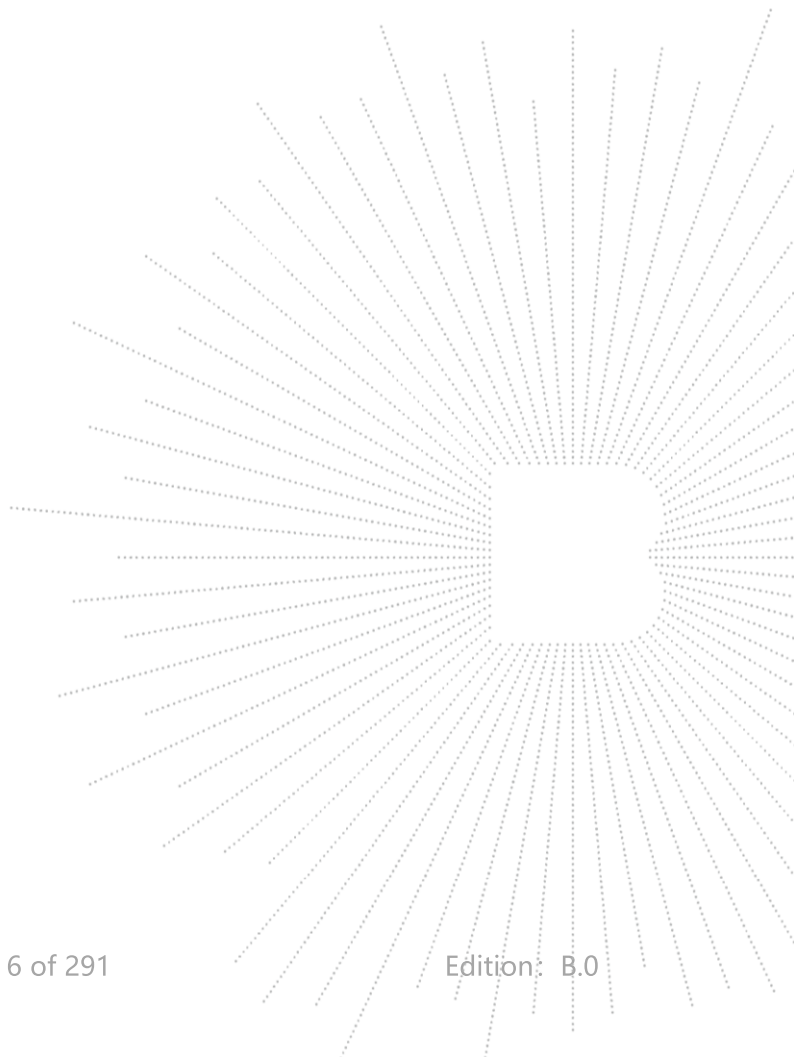


2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a) 15.407 (b)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 a 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 a	PASS
6	Band Edge	15.407 b	PASS
7	Power Spectral Density	15.407 a	PASS
8	Spurious Emissions at Antenna Terminals	15.407 b	PASS
9	Antenna Requirement	15.203	PASS

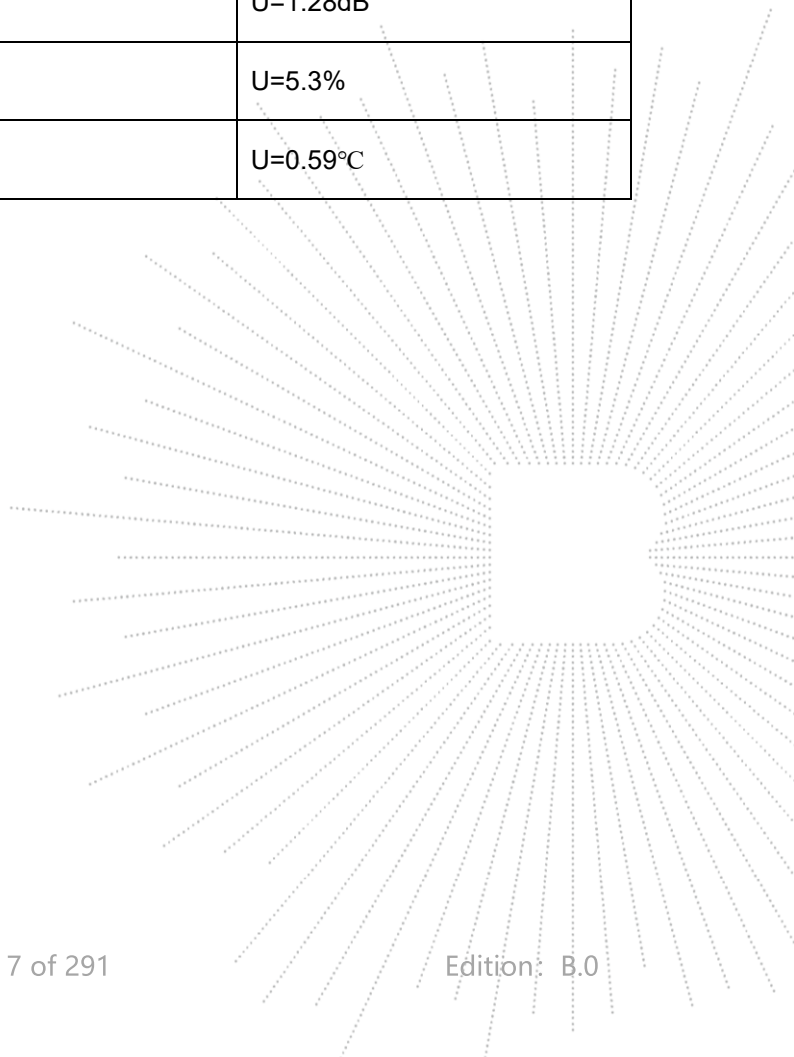
Note: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.



3. Measurement Uncertainty

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

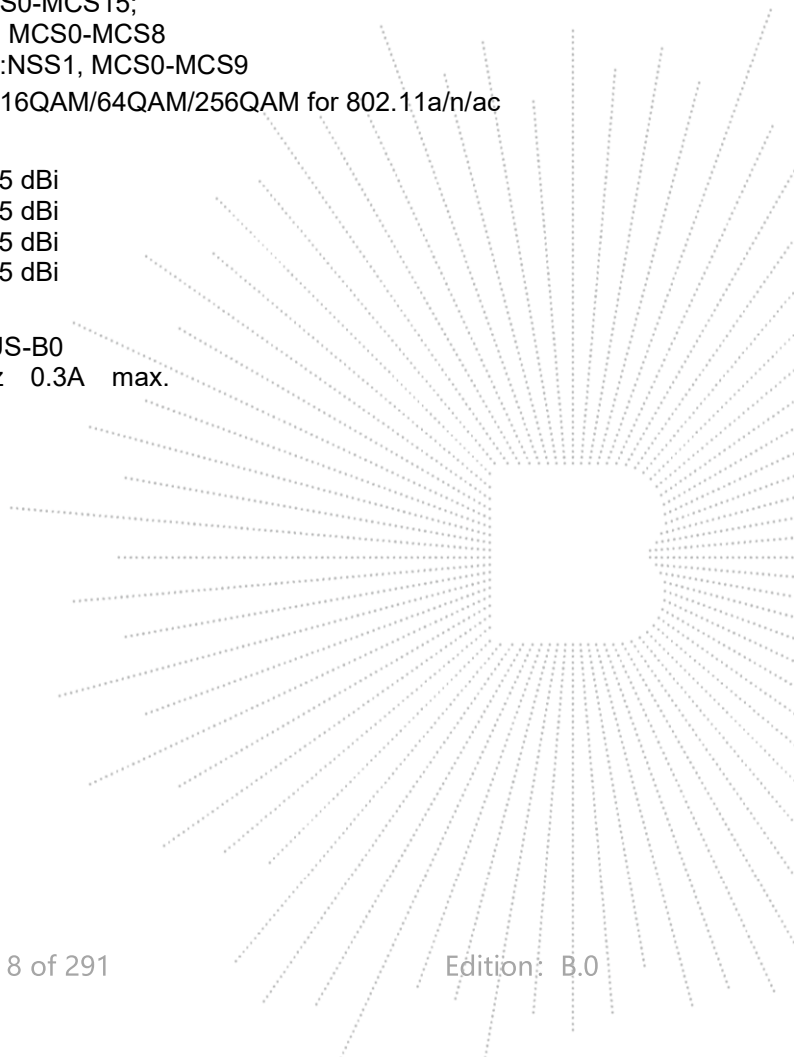
No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Bandwidth	U=2.38KHz
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C



4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	RLC-811WA B8M11WA
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported	802.11a/n (20MHz channel bandwidth) 802.11n (40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth) 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;
Operation Frequency:	5500-5700MHz for 802.11a/n/ac(HT20); 5510-5670MHz 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:	External antenna*2
Antenna Gain:	5.1G: Antenna A & B: 2.55 dBi 5.3G: Antenna A & B: 2.55 dBi 5.6G: Antenna A & B: 2.55 dBi 5.8G: Antenna A & B: 2.55 dBi
Ratings:	AC 120V/60Hz
Adapter Information:	Model: DCT12W120100US-B0 Input: 100-240V~50/60Hz 0.3A max. Output: DC 12.0V 1.0A



4.2 Test Setup Configuration

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

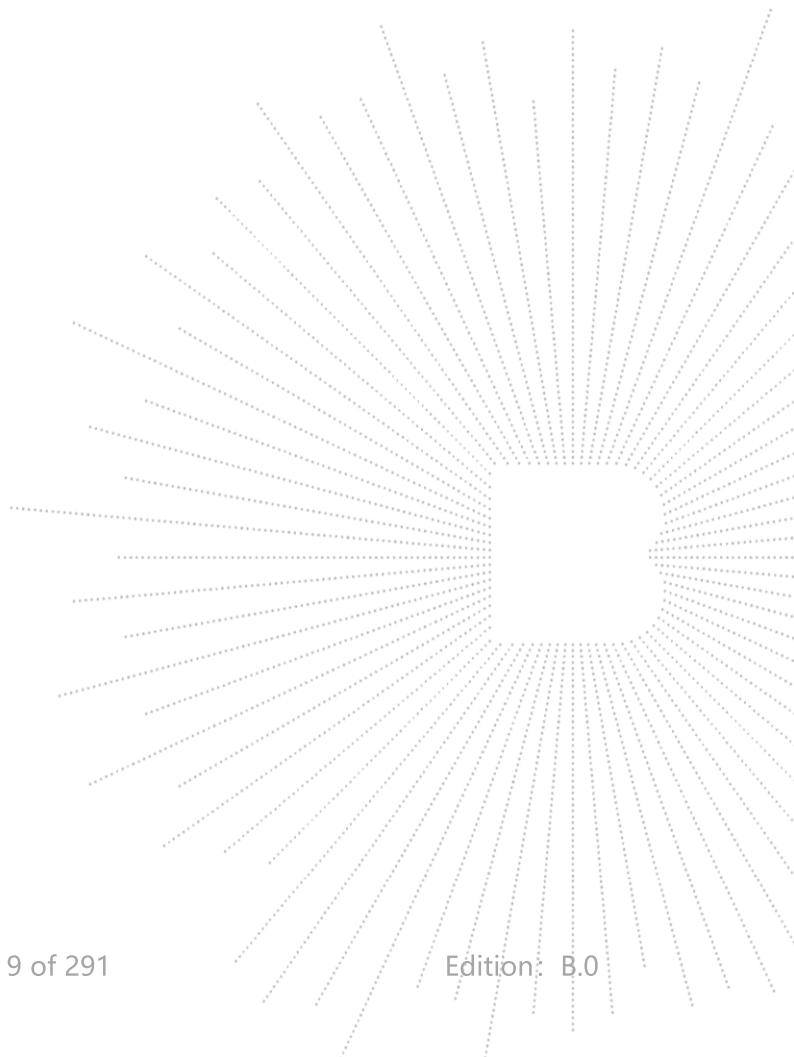
4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	WiFi IP Camera		RLC-811WA	N/A	EUT
E-2	PC	N/A	N/A	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	3M	DC cable unshielded

Notes:

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



4.4 Channel List

(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		
(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

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

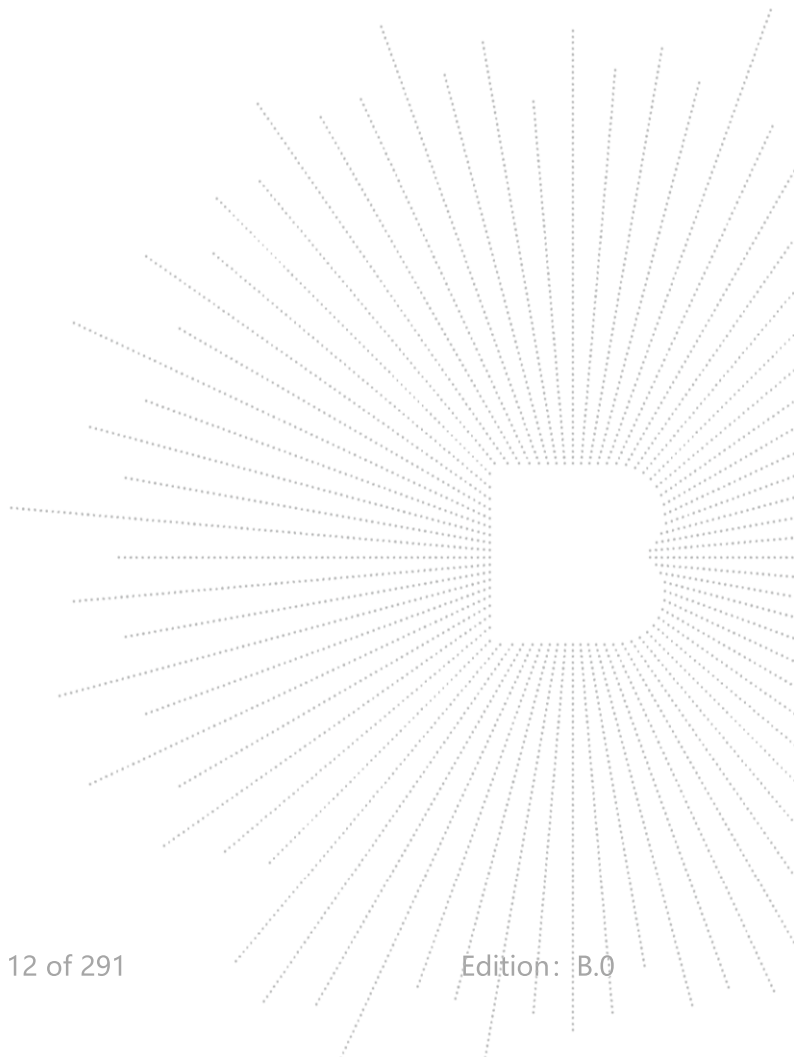
4.7 Antenna

5.1G&5.3G&5.6G&5.8G

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

EUT has two Internal antenna with Max gain GANT 2.55dBi on every antenna, CDD device with one spatial streams, also can operat with one spatial streams according to KDB662911 D01 v02r01, Directional gain= GANT + Array Gain, where Array Gain is as follows.

- 1)For power spectral density(PSD) measurements,
 $\text{Array Gain} = 10\log(\text{NANT}/\text{NSS})\text{dB} = 10\log(2/1) = 3.01 \text{ dBi}$,
 So the directional gain for PSD is 5.56 dBi
- 2)For power measurements,
 The Array gain=0 for $\text{NANT} \leq 4$,
 So the directional gain for Power measurements is 2.55dBi



5. Test Facility And Test Instrument Used

5.1 Test Facility

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

FCC Test Firm Registration Number: 712850

A2LA certificate registration number is: CN1212

ISED Registered No.: 23583

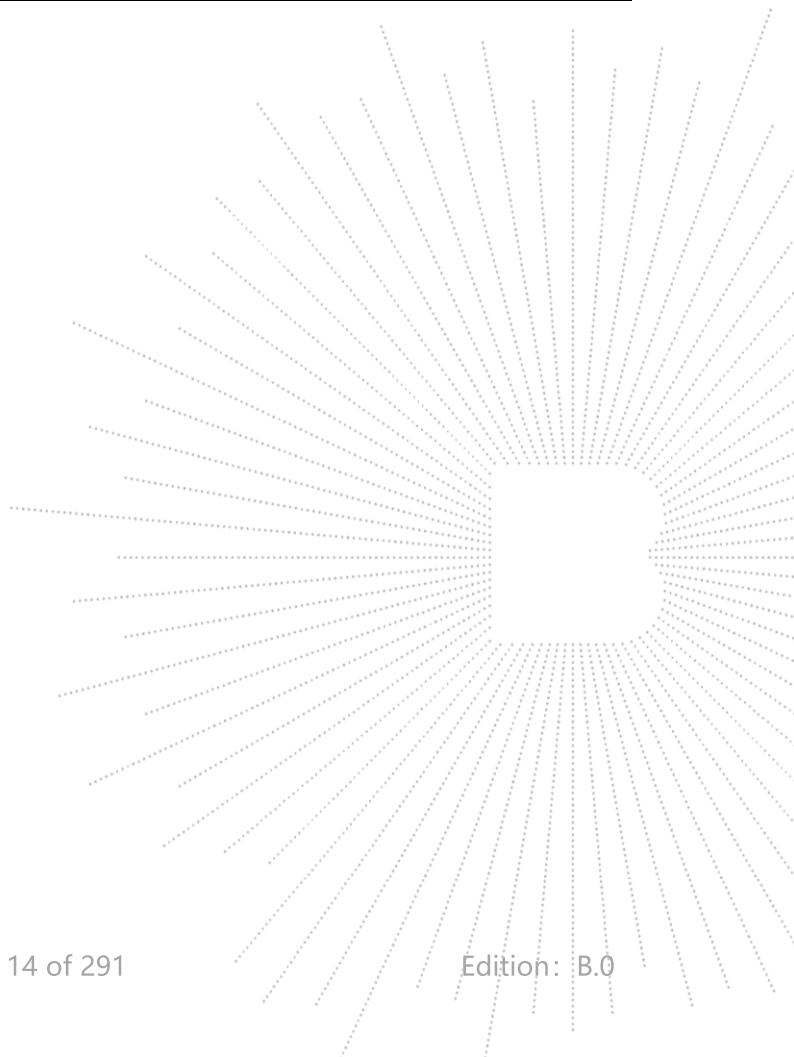
ISED CAB identifier: CN0017

5.2 Test Instrument Used

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

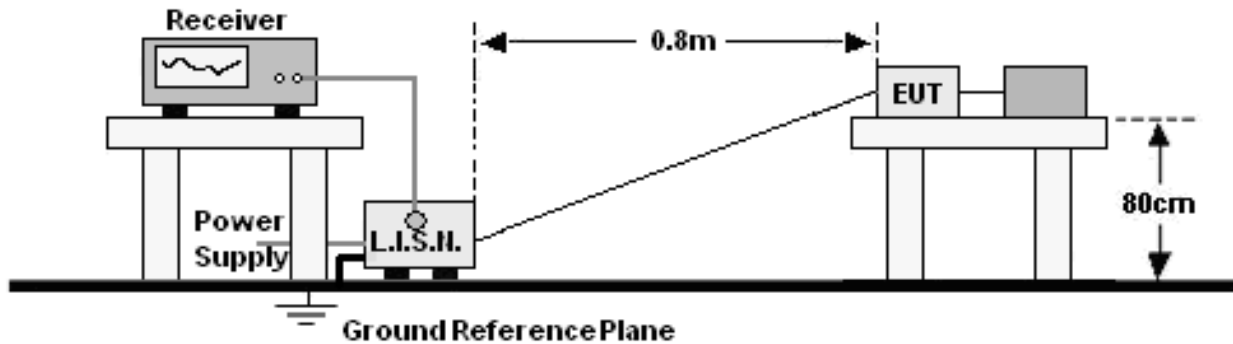
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419	\	May 15, 2023	May 14, 2024
Power Sensor (AV)	Keysight	E9300A	\	May 15, 2023	May 14, 2024
Signal Analyzer20kHz- z-26.5GHz	Keysight	N9020A	MY49100060	May 15, 2023	May 14, 2024
Spectrum Analyzer9kHz- 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 Chamber02)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	SKET	966 Room	966	Nov. 02. 2021	Nov. 01.2024
Receiver	R&S	ESR3	102075	May 15, 2023	May 14, 2024
Receiver	R&S	ESR17	100010	Nov. 08. 2022	Nov. 07.2023
Amplifier	SKET	LNPA-30M01 G-30	SK202108200 4	Nov. 08. 2022	Nov. 07.2023
TRILOG Broadband Antenna	Schwarzbeck	VULB9168	1323	Mar. 06, 2022	Mar. 05, 2024
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 31, 2023	May 30, 2024
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 15, 2023	May 14, 2024
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 31, 2023	May 30, 2024
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 15, 2023	May 14, 2024
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 31, 2023	May 30, 2024
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	100363	May 15, 2023	May 14, 2024
Software	Frad	EZ-EMC	FA-03A2 RE	\	\



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

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

Notes:
 1. *Decreasing linearly with logarithm of frequency.
 2. The lower limit shall apply at the transition frequencies.

6.3 Test Procedure

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

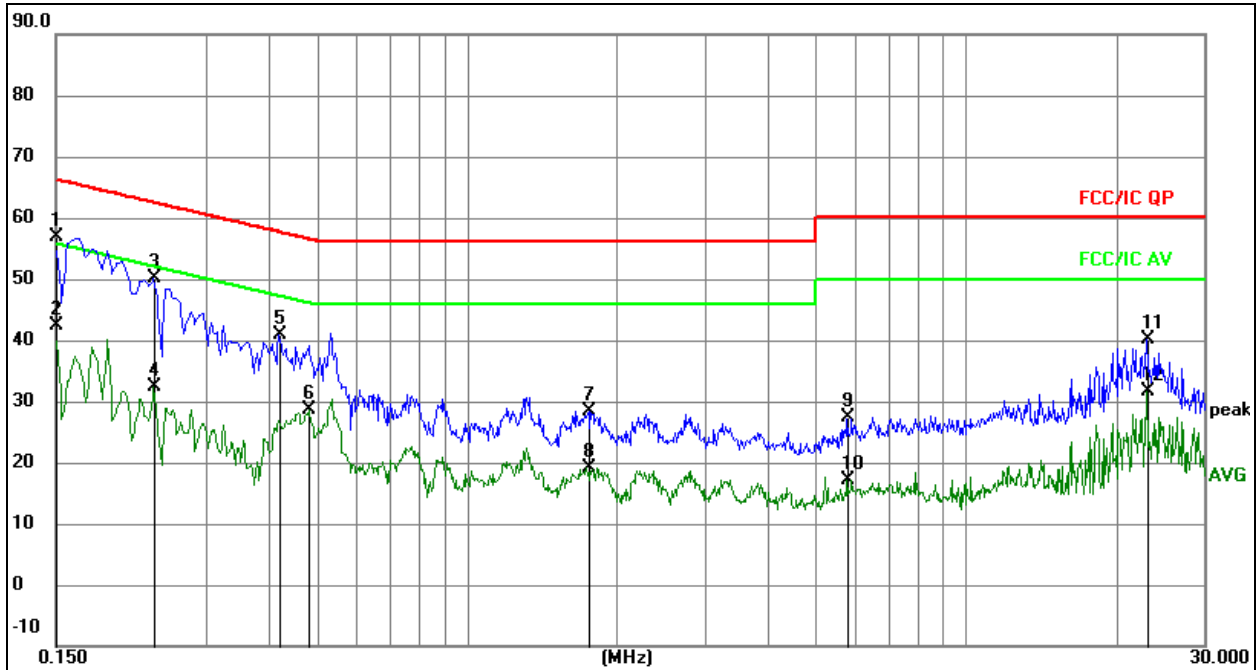
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak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

6.4 EUT Operating Conditions

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

6.5 Test Result

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

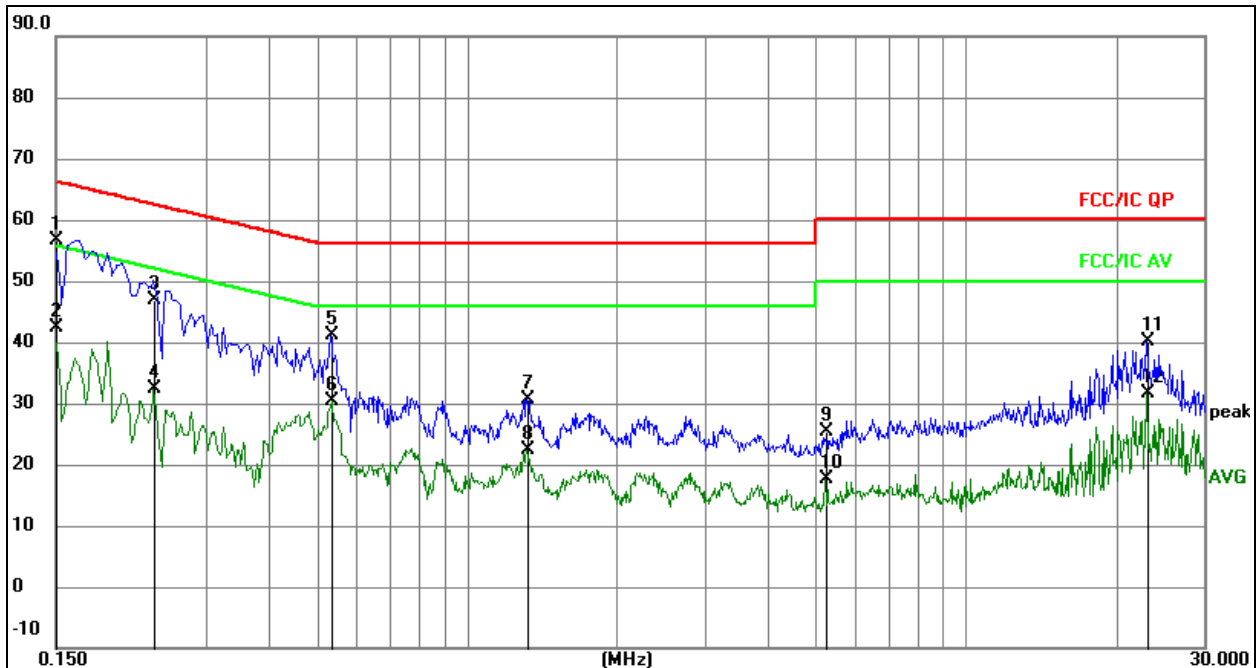


Remark:

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

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1500	47.31	9.51	56.82	66.00	-9.18	QP
2		0.1500	32.96	9.51	42.47	56.00	-13.53	AVG
3		0.2355	40.42	9.61	50.03	62.25	-12.22	QP
4		0.2355	22.83	9.61	32.44	52.25	-19.81	AVG
5		0.4200	31.21	9.62	40.83	57.45	-16.62	QP
6		0.4830	19.02	9.62	28.64	46.29	-17.65	AVG
7		1.7610	18.76	9.73	28.49	56.00	-27.51	QP
8		1.7610	9.39	9.73	19.12	46.00	-26.88	AVG
9		5.7840	17.59	9.78	27.37	60.00	-32.63	QP
10		5.7840	7.40	9.78	17.18	50.00	-32.82	AVG
11		23.1270	30.45	9.75	40.20	60.00	-19.80	QP
12		23.1270	21.88	9.75	31.63	50.00	-18.37	AVG

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


Remark:

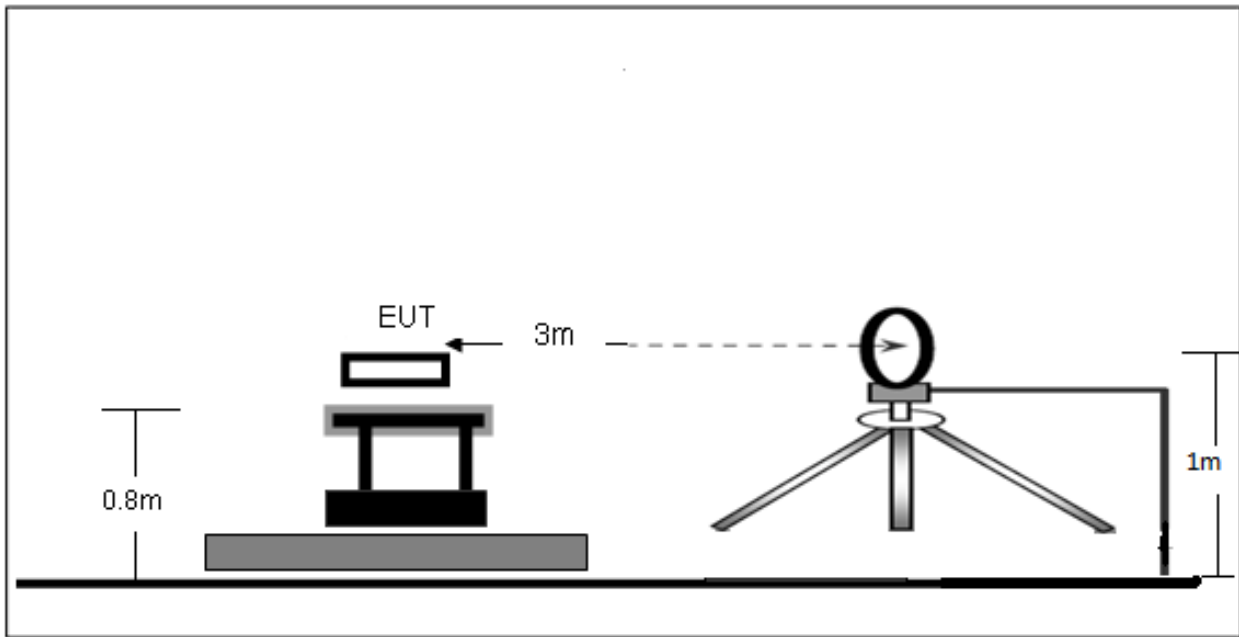
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1500	47.13	9.51	56.64	66.00	-9.36	QP
2		0.1500	32.96	9.51	42.47	56.00	-13.53	AVG
3		0.2355	37.26	9.61	46.87	62.25	-15.38	QP
4		0.2355	22.83	9.61	32.44	52.25	-19.81	AVG
5		0.5325	31.41	9.62	41.03	56.00	-14.97	QP
6		0.5325	20.80	9.62	30.42	46.00	-15.58	AVG
7		1.3200	20.81	9.73	30.54	56.00	-25.46	QP
8		1.3200	12.74	9.73	22.47	46.00	-23.53	AVG
9		5.2350	15.53	9.80	25.33	60.00	-34.67	QP
10		5.2350	7.75	9.80	17.55	50.00	-32.45	AVG
11		23.1270	30.45	9.75	40.20	60.00	-19.80	QP
12		23.1270	21.88	9.75	31.63	50.00	-18.37	AVG

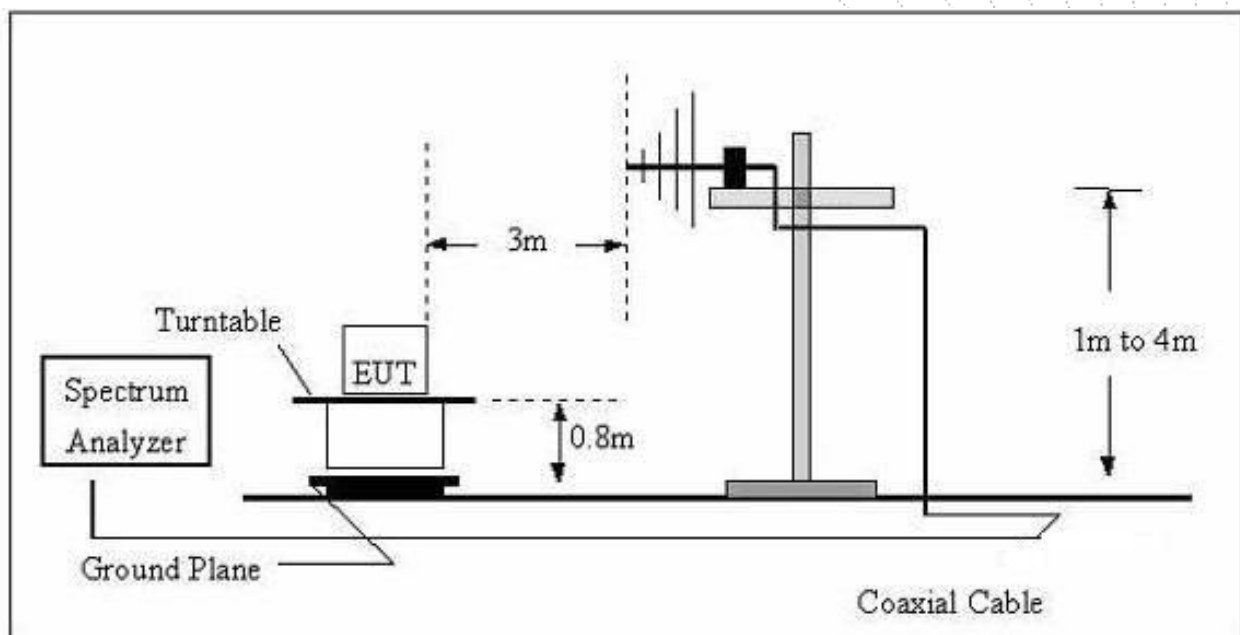
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

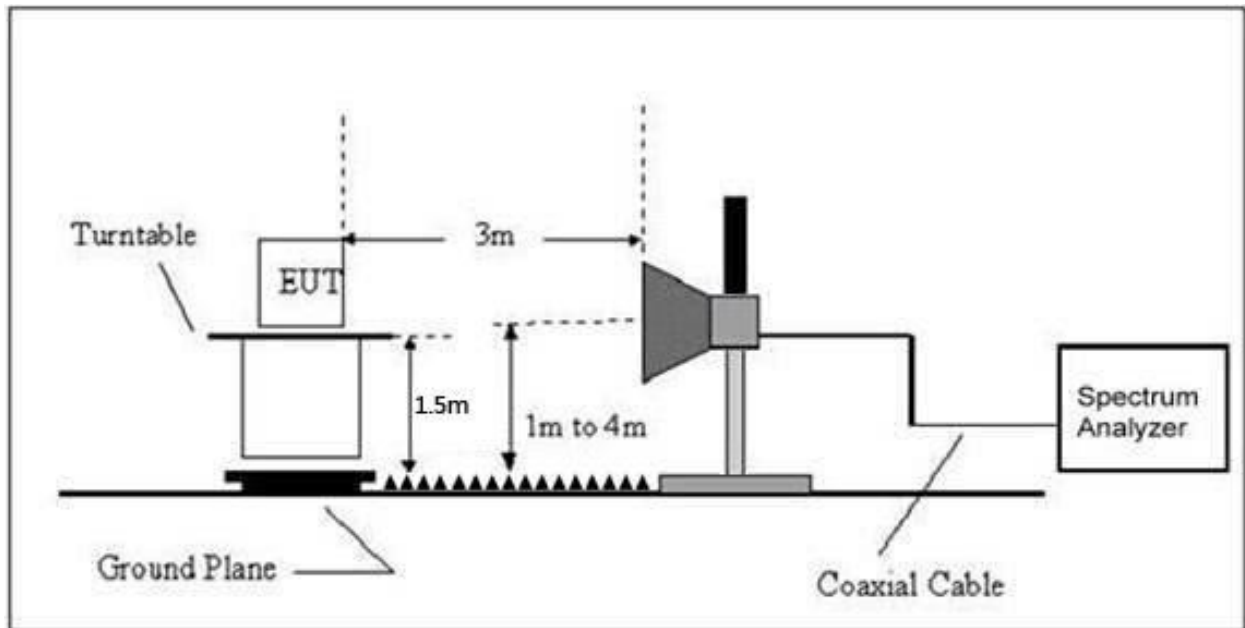
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾
88 ~ 216	150	3	150	20log ⁽¹⁵⁰⁾
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾
Above 960	500	3	500	20log ⁽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:	--

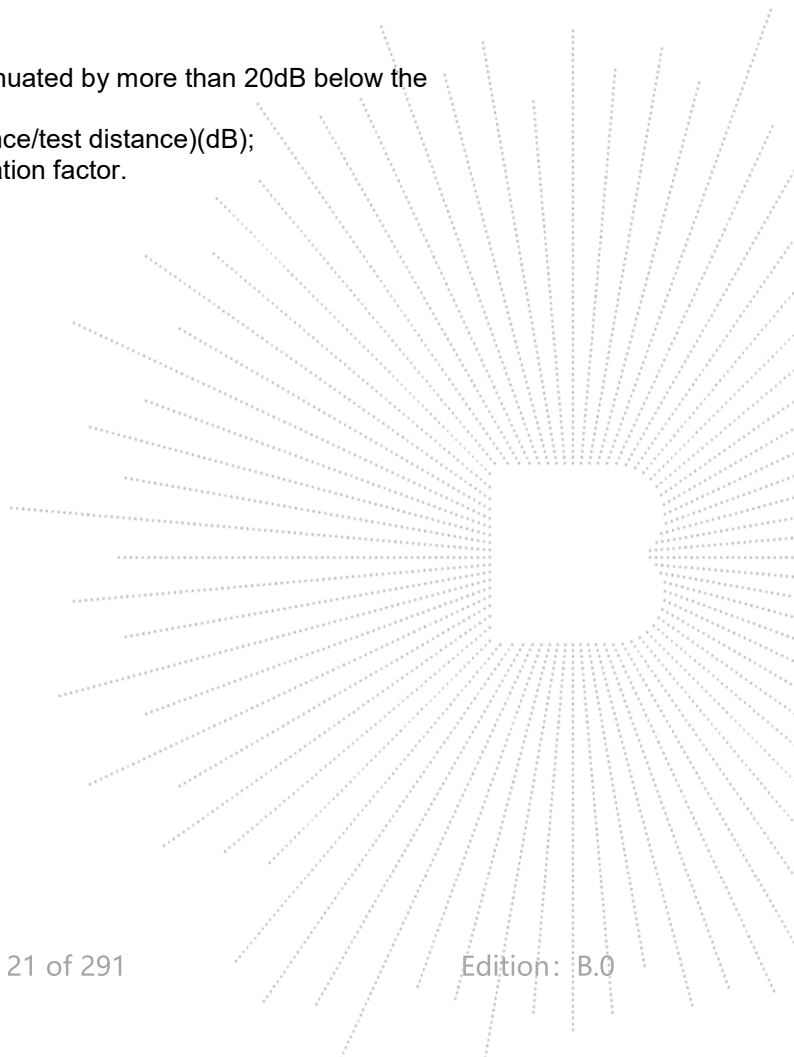
Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

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

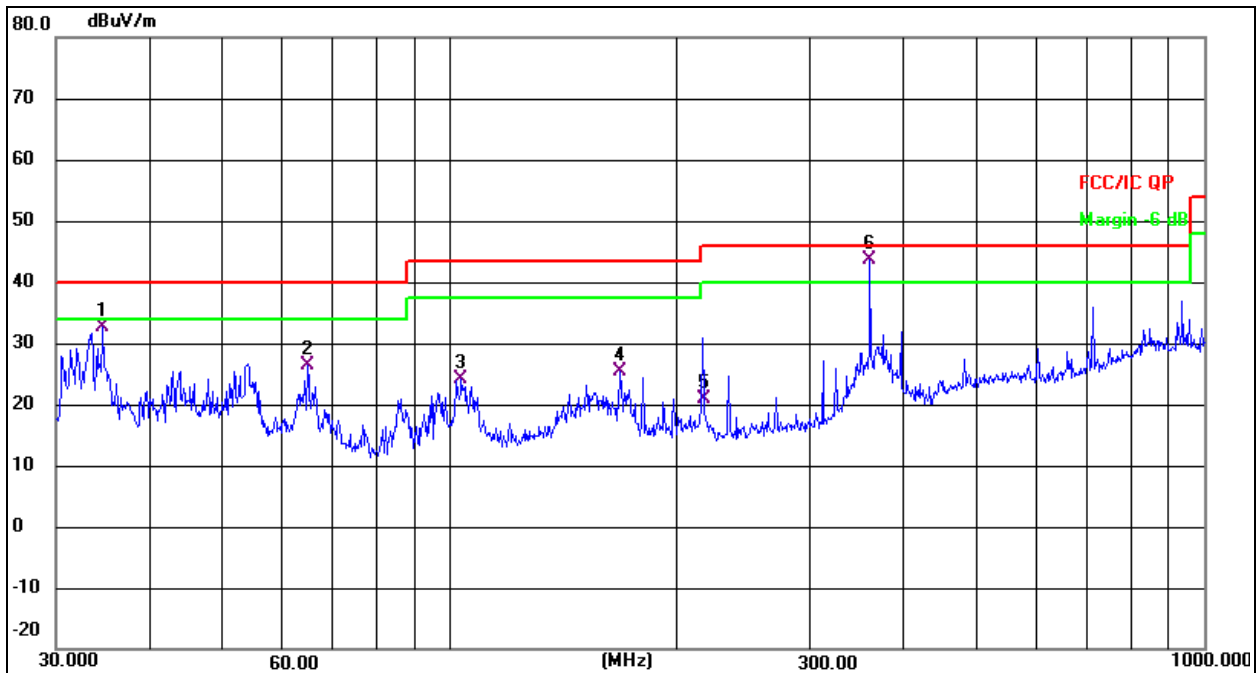
Distance extrapolation factor = $40 \log(\text{specific distance/test distance})$ (dB);

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



Between 30MHz – 1GHz

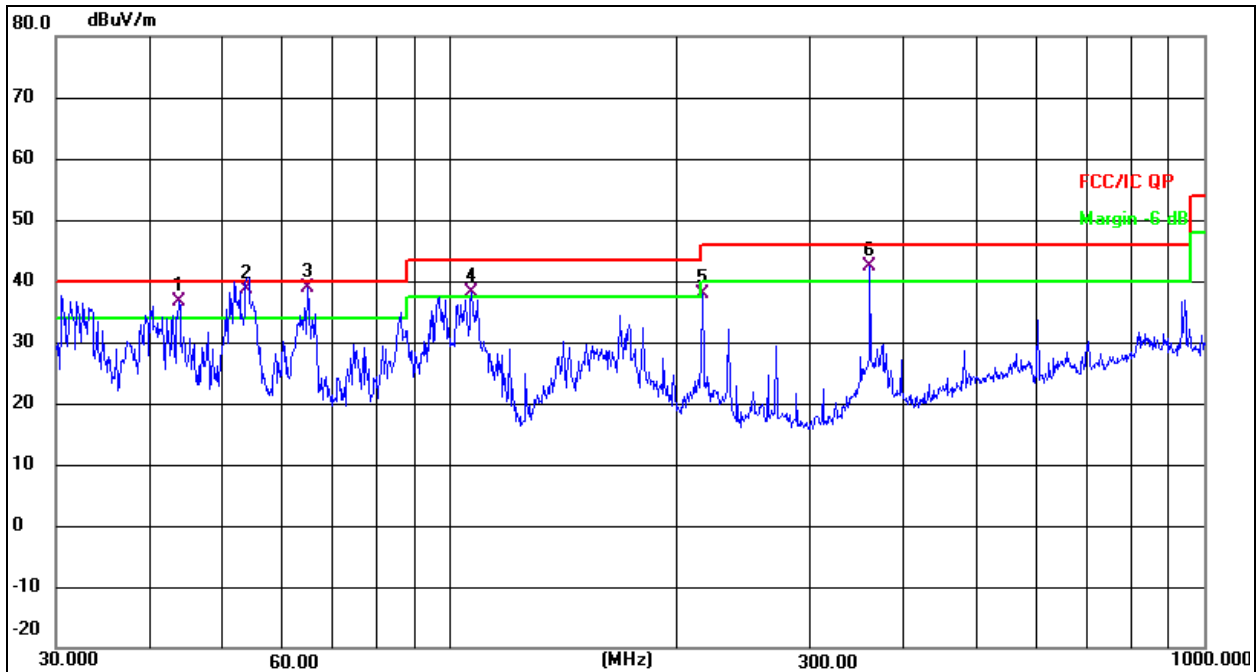
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	Horizontal


Remark:

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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.6385	43.75	-11.24	32.51	40.00	-7.49	QP
2	64.6594	38.59	-12.31	26.28	40.00	-13.72	QP
3	103.4421	38.85	-14.75	24.10	43.50	-19.40	QP
4	167.8243	36.40	-11.01	25.39	43.50	-18.11	QP
5	216.7828	33.69	-12.90	20.79	46.00	-25.21	QP
6 *	360.4476	51.47	-7.79	43.68	46.00	-2.32	QP

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


Remark:

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

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 !	43.6584	47.03	-10.41	36.62	40.00	-3.38	QP
2 !	53.8568	49.59	-11.08	38.51	40.00	-1.49	QP
3 *	64.6594	51.15	-12.31	38.84	40.00	-1.16	QP
4 !	106.7587	52.28	-14.22	38.06	43.50	-5.44	QP
5	216.0240	50.86	-12.93	37.93	46.00	-8.07	QP
6 !	360.4476	50.14	-7.79	42.35	46.00	-3.65	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	4434.123	62.76	5.94	35.40	44.00	60.10	68.2	-8.10	PK
V	4434.123	43.00	5.94	35.40	44.00	40.34	54	-13.66	AV
V	10360.195	63.47	8.46	39.75	44.50	67.18	68.2	-1.02	PK
V	10360.195	43.12	8.46	39.75	44.50	46.83	54	-7.17	AV
V	15540.157	60.93	10.12	38.80	44.10	65.75	74	-8.25	PK
V	15540.157	43.32	10.12	38.80	42.70	49.54	54	-4.46	AV
H	4434.166	60.80	5.94	35.18	44.00	57.92	68.2	-10.28	PK
H	4434.166	43.25	5.94	35.18	44.00	40.37	54	-13.63	AV
H	10360.180	50.22	8.46	38.71	44.50	52.89	68.2	-15.31	PK
H	10360.180	44.81	8.46	38.71	44.50	47.48	54	-6.52	AV
H	15540.158	54.70	10.12	38.38	44.10	59.10	74	-14.90	PK
H	15540.158	44.38	10.12	38.38	44.10	48.78	54	-5.22	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.059	62.91	6.48	36.35	44.05	61.69	74	-12.31	PK
V	4592.059	43.66	6.48	36.35	44.05	42.44	54	-11.56	AV
V	10400.053	61.39	8.47	37.88	44.51	63.23	68.2	-4.97	PK
V	10400.053	43.30	8.47	37.88	44.51	45.14	54	-8.86	AV
V	15600.180	60.85	10.12	38.80	44.10	65.67	74	-8.33	PK
V	15600.180	43.59	10.12	38.80	42.70	49.81	54	-4.19	AV
H	4592.139	63.12	6.48	36.37	44.05	61.92	74	-12.08	PK
H	4592.139	43.53	6.48	36.37	44.05	42.33	54	-11.67	AV
H	10400.080	54.64	8.47	38.64	44.50	57.25	68.2	-10.95	PK
H	10400.080	44.44	8.47	38.64	44.50	47.05	54	-6.95	AV
H	15600.145	54.78	10.12	38.38	44.10	59.18	74	-14.82	PK
H	15600.145	41.58	10.12	38.38	44.10	45.98	54	-8.02	AV
High Channel (5240 MHz)-Above 1G									
V	4739.059	60.21	7.10	37.24	43.50	61.05	74	-12.95	PK
V	4739.059	43.01	7.10	37.24	43.50	43.85	54	-10.15	AV
V	10480.179	62.40	8.46	37.68	44.50	64.04	68.2	-4.16	PK
V	10480.179	43.35	8.46	37.68	44.50	44.99	54	-9.01	AV
V	15720.057	62.38	10.12	38.80	44.10	67.20	74	-6.80	PK
V	15720.057	43.98	10.12	38.80	42.70	50.20	54	-3.80	AV
H	4739.071	61.41	7.10	37.24	43.50	62.25	74	-11.75	PK
H	4739.071	43.04	7.10	37.24	43.50	43.88	54	-10.12	AV
H	10480.101	54.17	8.46	38.57	44.50	56.70	68.2	-11.50	PK
H	10480.101	41.96	8.46	38.57	44.50	44.49	54	-9.51	AV
H	15720.079	52.11	10.12	38.38	44.10	56.51	74	-17.49	PK
H	15720.079	42.24	10.12	38.38	44.10	46.64	54	-7.36	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.

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	4434.095	63.12	5.94	35.40	44.00	60.46	68.2	-7.74	PK
V	4434.095	43.28	5.94	35.40	44.00	40.62	54	-13.38	AV
V	10360.107	63.72	8.46	39.75	44.50	67.43	68.2	-0.77	PK
V	10360.107	43.53	8.46	39.75	44.50	47.24	54	-6.76	AV
V	15540.087	63.71	10.12	38.80	44.10	68.53	74	-5.47	PK
V	15540.087	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4434.167	60.04	5.94	35.18	44.00	57.16	68.2	-11.04	PK
H	4434.167	43.41	5.94	35.18	44.00	40.53	54	-13.47	AV
H	10360.176	52.81	8.46	38.71	44.50	55.48	68.2	-12.72	PK
H	10360.176	44.44	8.46	38.71	44.50	47.11	54	-6.89	AV
H	15540.174	54.01	10.12	38.38	44.10	58.41	74	-15.59	PK
H	15540.174	43.70	10.12	38.38	44.10	48.10	54	-5.90	AV
middle Channel (5200 MHz)-Above 1G									
V	4592.054	61.26	6.48	36.35	44.05	60.04	74	-13.96	PK
V	4592.054	43.64	6.48	36.35	44.05	42.42	54	-11.58	AV
V	10400.008	61.39	8.47	37.88	44.51	63.23	68.2	-4.97	PK
V	10400.008	43.15	8.47	37.88	44.51	44.99	54	-9.01	AV
V	15600.064	61.67	10.12	38.80	44.10	66.49	74	-7.51	PK
V	15600.064	43.17	10.12	38.80	42.70	49.39	54	-4.61	AV
H	4592.140	60.34	6.48	36.37	44.05	59.14	74	-14.86	PK
H	4592.140	43.25	6.48	36.37	44.05	42.05	54	-11.95	AV
H	10400.195	53.51	8.47	38.64	44.50	56.12	68.2	-12.08	PK
H	10400.195	42.64	8.47	38.64	44.50	45.25	54	-8.75	AV
H	15600.148	54.58	10.12	38.38	44.10	58.98	74	-15.02	PK
H	15600.148	43.56	10.12	38.38	44.10	47.96	54	-6.04	AV
High Channel (5240 MHz)-Above 1G									
V	4739.006	64.29	7.10	37.24	43.50	65.13	74	-8.87	PK
V	4739.006	43.02	7.10	37.24	43.50	43.86	54	-10.14	AV
V	10480.068	63.90	8.46	37.68	44.50	65.54	68.2	-2.66	PK
V	10480.068	43.91	8.46	37.68	44.50	45.55	54	-8.45	AV
V	15720.114	60.47	10.12	38.80	44.10	65.29	74	-8.71	PK
V	15720.114	43.13	10.12	38.80	42.70	49.35	54	-4.65	AV
H	4739.130	61.18	7.10	37.24	43.50	62.02	74	-11.98	PK
H	4739.130	43.38	7.10	37.24	43.50	44.22	54	-9.78	AV
H	10480.122	54.53	8.46	38.57	44.50	57.06	68.2	-11.14	PK
H	10480.122	40.96	8.46	38.57	44.50	43.49	54	-10.51	AV
H	15720.085	51.45	10.12	38.38	44.10	55.85	74	-18.15	PK
H	15720.085	43.45	10.12	38.38	44.10	47.85	54	-6.15	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	4434.141	60.98	5.94	35.40	44.00	58.32	68.2	-9.88	PK
V	4434.141	43.61	5.94	35.40	44.00	40.95	54	-13.05	AV
V	10380.039	61.33	8.46	39.75	44.50	65.04	68.2	-3.16	PK
V	10380.039	43.20	8.46	39.75	44.50	46.91	54	-7.09	AV
V	15570.075	62.52	10.12	38.80	44.10	67.34	74	-6.66	PK
V	15570.075	43.97	10.12	38.80	42.70	50.19	54	-3.81	AV
H	4434.096	61.00	5.94	35.18	44.00	58.12	74	-15.88	PK
H	4434.096	43.87	5.94	35.18	44.00	40.99	54	-13.01	AV
H	10380.058	51.14	8.46	38.71	44.50	53.81	68.2	-14.39	PK
H	10380.058	40.42	8.46	38.71	44.50	43.09	54	-10.91	AV
H	15570.001	52.91	10.12	38.38	44.10	57.31	74	-16.69	PK
H	15570.001	44.08	10.12	38.38	44.10	48.48	54	-5.52	AV
middle Channel (5230 MHz)-Above 1G									
V	4739.179	60.53	6.48	36.35	44.05	59.31	68.2	-8.89	PK
V	4739.179	43.83	6.48	36.35	44.05	42.61	54	-11.39	AV
V	10460.189	61.22	8.47	37.88	44.51	63.06	68.2	-5.14	PK
V	10460.189	43.30	8.47	37.88	44.51	45.14	54	-8.86	AV
V	15690.105	64.38	10.12	38.80	44.10	69.20	74	-4.80	PK
V	15690.105	43.88	10.12	38.80	42.70	50.10	54	-3.90	AV
H	4739.108	60.84	6.48	36.37	44.05	59.64	68.2	-8.56	PK
H	4739.108	43.05	6.48	36.37	44.05	41.85	54	-12.15	AV
H	10460.042	52.17	8.47	38.64	44.50	54.78	68.2	-13.42	PK
H	10460.042	41.32	8.47	38.64	44.50	43.93	54	-10.07	AV
H	15690.060	54.14	10.12	38.38	44.10	58.54	74	-15.46	PK
H	15690.060	40.59	10.12	38.38	44.10	44.99	54	-9.01	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G									
V	4434.107	62.62	5.94	35.40	44.00	59.96	68.2	-8.24	PK
V	4434.107	43.76	5.94	35.40	44.00	41.10	54	-12.90	AV
V	10360.193	61.68	8.46	39.75	44.50	65.39	68.2	-2.81	PK
V	10360.193	43.71	8.46	39.75	44.50	47.42	54	-6.58	AV
V	15540.180	62.42	10.12	38.80	44.10	67.24	74	-6.76	PK
V	15540.180	43.73	10.12	38.80	42.70	49.95	54	-4.05	AV
H	4434.128	61.11	5.94	35.18	44.00	58.23	68.2	-9.97	PK
H	4434.128	43.14	5.94	35.18	44.00	40.26	54	-13.74	AV
H	10360.013	50.20	8.46	38.71	44.50	52.87	68.2	-15.33	PK
H	10360.013	42.35	8.46	38.71	44.50	45.02	54	-8.98	AV
H	15540.002	53.40	10.12	38.38	44.10	57.80	74	-16.20	PK
H	15540.002	40.14	10.12	38.38	44.10	44.54	54	-9.46	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.153	64.20	6.48	36.35	44.05	62.98	74	-11.02	PK
V	4592.153	43.07	6.48	36.35	44.05	41.85	54	-12.15	AV
V	10400.054	60.00	8.47	37.88	44.51	61.84	68.2	-6.36	PK
V	10400.054	43.05	8.47	37.88	44.51	44.89	54	-9.11	AV
V	15600.047	64.39	10.12	38.80	44.10	69.21	74	-4.79	PK
V	15600.047	43.16	10.12	38.80	42.70	49.38	54	-4.62	AV
H	4592.151	62.92	6.48	36.37	44.05	61.72	74	-12.28	PK
H	4592.151	43.69	6.48	36.37	44.05	42.49	54	-11.51	AV
H	10400.195	53.80	8.47	38.64	44.50	56.41	68.2	-11.79	PK
H	10400.195	40.30	8.47	38.64	44.50	42.91	54	-11.09	AV
H	15600.160	51.14	10.12	38.38	44.10	55.54	74	-18.46	PK
H	15600.160	40.43	10.12	38.38	44.10	44.83	54	-9.17	AV
High Channel (5240 MHz)-Above 1G									
V	4739.020	64.22	7.10	37.24	43.50	65.06	74	-8.94	PK
V	4739.020	43.85	7.10	37.24	43.50	44.69	54	-9.31	AV
V	10480.115	61.15	8.46	37.68	44.50	62.79	68.2	-5.41	PK
V	10480.115	43.40	8.46	37.68	44.50	45.04	54	-8.96	AV
V	15720.075	64.91	10.12	38.80	44.10	69.73	74	-4.27	PK
V	15720.075	43.99	10.12	38.80	42.70	50.21	54	-3.79	AV
H	4739.074	61.44	7.10	37.24	43.50	62.28	74	-11.72	PK
H	4739.074	43.15	7.10	37.24	43.50	43.99	54	-10.01	AV
H	10480.151	53.97	8.46	38.57	44.50	56.50	68.2	-11.70	PK
H	10480.151	40.17	8.46	38.57	44.50	42.70	54	-11.30	AV
H	15720.184	50.48	10.12	38.38	44.10	54.88	74	-19.12	PK
H	15720.184	43.42	10.12	38.38	44.10	47.82	54	-6.18	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(5.1G) - 802.11ac-HT40
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G									
V	4434.061	63.79	5.94	35.40	44.00	61.13	68.2	-7.07	PK
V	4434.061	43.06	5.94	35.40	44.00	40.40	54	-13.60	AV
V	10380.008	63.89	8.46	39.75	44.50	67.60	68.2	-0.60	PK
V	10380.008	43.29	8.46	39.75	44.50	47.00	54	-7.00	AV
V	15570.187	64.58	10.12	38.80	44.10	69.40	74	-4.60	PK
V	15570.187	43.62	10.12	38.80	42.70	49.84	54	-4.16	AV
H	4434.168	64.10	5.94	35.18	44.00	61.22	74	-12.78	PK
H	4434.168	43.49	5.94	35.18	44.00	40.61	54	-13.39	AV
H	10380.145	50.34	8.46	38.71	44.50	53.01	68.2	-15.19	PK
H	10380.145	44.01	8.46	38.71	44.50	46.68	54	-7.32	AV
H	15570.005	51.82	10.12	38.38	44.10	56.22	74	-17.78	PK
H	15570.005	40.31	10.12	38.38	44.10	44.71	54	-9.29	AV
High Channel (5230 MHz)-Above 1G									
V	4739.173	62.94	6.48	36.35	44.05	61.72	68.2	-6.48	PK
V	4739.173	43.98	6.48	36.35	44.05	42.76	54	-11.24	AV
V	10460.059	62.15	8.47	37.88	44.51	63.99	68.2	-4.21	PK
V	10460.059	43.59	8.47	37.88	44.51	45.43	54	-8.57	AV
V	15690.179	60.97	10.12	38.80	44.10	65.79	74	-8.21	PK
V	15690.179	43.94	10.12	38.80	42.70	50.16	54	-3.84	AV
H	4739.051	63.48	6.48	36.37	44.05	62.28	68.2	-5.92	PK
H	4739.051	43.10	6.48	36.37	44.05	41.90	54	-12.10	AV
H	10460.195	51.48	8.47	38.64	44.50	54.09	68.2	-14.11	PK
H	10460.195	44.12	8.47	38.64	44.50	46.73	54	-7.27	AV
H	15690.139	52.81	10.12	38.38	44.10	57.21	74	-16.79	PK
H	15690.139	42.91	10.12	38.38	44.10	47.31	54	-6.69	AV

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

Test Mode:	TX(5.1G) - 802.11ac-HT80
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5210 MHz)-Above 1G									
V	4434.151	60.83	5.94	35.40	44.00	58.17	68.2	-10.03	PK
V	4434.151	43.82	5.94	35.40	44.00	41.16	54	-12.84	AV
V	10420.072	63.56	8.46	39.75	44.50	67.27	68.2	-0.93	PK
V	10420.072	43.23	8.46	39.75	44.50	46.94	54	-7.06	AV
V	15630.122	64.90	10.12	38.80	44.10	69.72	74	-4.28	PK
V	15630.122	43.12	10.12	38.80	42.70	49.34	54	-4.66	AV
H	4434.014	62.31	5.94	35.18	44.00	59.43	68.2	-8.77	PK
H	4434.014	43.07	5.94	35.18	44.00	40.19	54	-13.81	AV
H	10420.113	52.37	8.46	38.71	44.50	55.04	68.2	-13.16	PK
H	10420.113	44.30	8.46	38.71	44.50	46.97	54	-7.03	AV
H	15630.055	50.69	10.12	38.38	44.10	55.09	74	-18.91	PK
H	15630.055	44.81	10.12	38.38	44.10	49.21	54	-4.79	AV

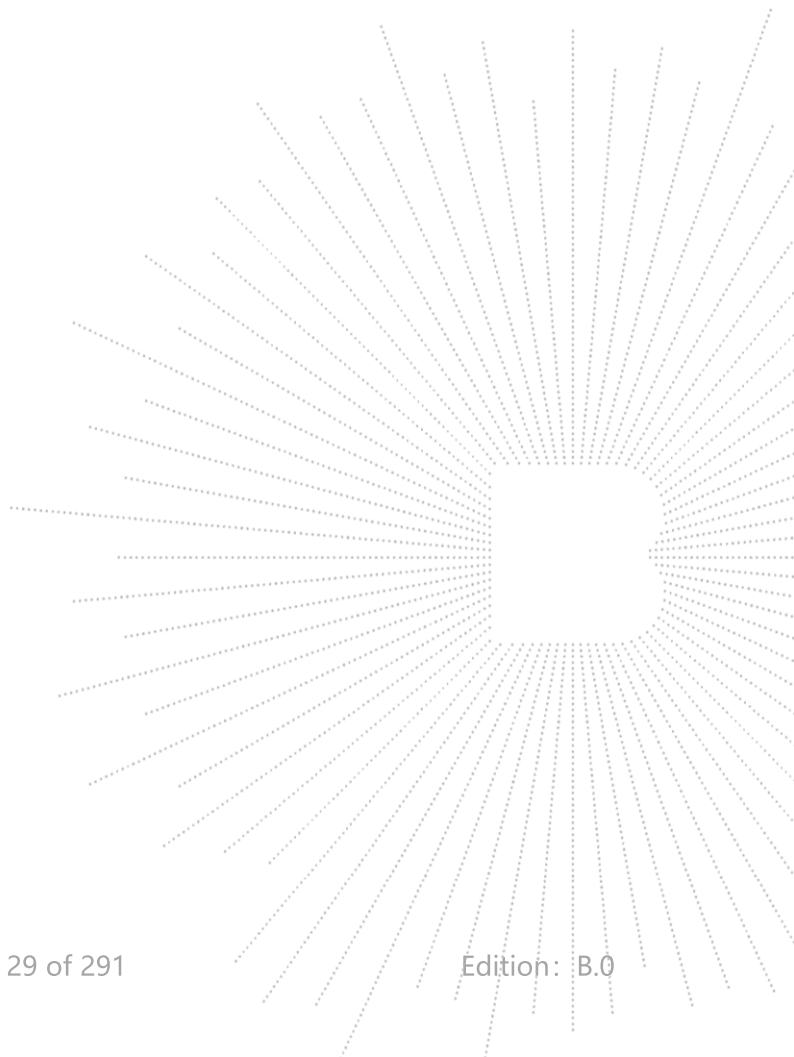
Note: PK value is lower than the Average value limit, So average didn't record.

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

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

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

Test Mode is MIMO Mode.



Test Mode:	TX(5.3G) - 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	4434.127	62.25	5.94	35.40	44.00	59.59	68.2	-8.61	PK
V	4434.127	43.34	5.94	35.40	44.00	40.68	54	-13.32	AV
V	10520.105	63.65	8.46	39.75	44.50	67.36	68.2	-0.84	PK
V	10520.105	43.81	8.46	39.75	44.50	47.52	54	-6.48	AV
V	15780.092	60.17	10.12	38.80	44.10	64.99	74	-9.01	PK
V	15780.092	43.26	10.12	38.80	42.70	49.48	54	-4.52	AV
H	4434.005	63.94	5.94	35.18	44.00	61.06	68.2	-7.14	PK
H	4434.005	43.43	5.94	35.18	44.00	40.55	54	-13.45	AV
H	10520.141	53.95	8.46	38.71	44.50	56.62	68.2	-11.58	PK
H	10520.141	44.62	8.46	38.71	44.50	47.29	54	-6.71	AV
H	15780.183	52.79	10.12	38.38	44.10	57.19	74	-16.81	PK
H	15780.183	40.47	10.12	38.38	44.10	44.87	54	-9.13	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.061	60.98	6.48	36.35	44.05	59.76	74	-14.24	PK
V	4592.061	43.26	6.48	36.35	44.05	42.04	54	-11.96	AV
V	10560.184	64.13	8.47	37.88	44.51	65.97	68.2	-2.23	PK
V	10560.184	43.28	8.47	37.88	44.51	45.12	54	-8.88	AV
V	15840.179	61.57	10.12	38.80	44.10	66.39	74	-7.61	PK
V	15840.179	43.88	10.12	38.80	42.70	50.10	54	-3.90	AV
H	4592.022	64.02	6.48	36.37	44.05	62.82	74	-11.18	PK
H	4592.022	43.12	6.48	36.37	44.05	41.92	54	-12.08	AV
H	10560.082	50.88	8.47	38.64	44.50	53.49	68.2	-14.71	PK
H	10560.082	40.71	8.47	38.64	44.50	43.32	54	-10.68	AV
H	15840.090	53.97	10.12	38.38	44.10	58.37	74	-15.63	PK
H	15840.090	40.34	10.12	38.38	44.10	44.74	54	-9.26	AV
High Channel (5320 MHz)-Above 1G									
V	4739.027	61.71	7.10	37.24	43.50	62.55	74	-11.45	PK
V	4739.027	43.34	7.10	37.24	43.50	44.18	54	-9.82	AV
V	10640.116	60.75	8.46	37.68	44.50	62.39	68.2	-5.81	PK
V	10640.116	43.16	8.46	37.68	44.50	44.80	54	-9.20	AV
V	15960.169	64.28	10.12	38.80	44.10	69.10	74	-4.90	PK
V	15960.169	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4739.065	60.85	7.10	37.24	43.50	61.69	74	-12.31	PK
H	4739.065	43.42	7.10	37.24	43.50	44.26	54	-9.74	AV
H	10640.185	52.82	8.46	38.57	44.50	55.35	68.2	-12.85	PK
H	10640.185	43.24	8.46	38.57	44.50	45.77	54	-8.23	AV
H	15960.149	54.53	10.12	38.38	44.10	58.93	74	-15.07	PK
H	15960.149	40.74	10.12	38.38	44.10	45.14	54	-8.86	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.

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	4434.087	64.69	5.94	35.40	44.00	62.03	68.2	-6.17	PK
V	4434.087	43.29	5.94	35.40	44.00	40.63	54	-13.37	AV
V	10520.072	63.94	8.46	39.75	44.50	67.65	68.2	-0.55	PK
V	10520.072	43.55	8.46	39.75	44.50	47.26	54	-6.74	AV
V	15780.040	64.26	10.12	38.80	44.10	69.08	74	-4.92	PK
V	15780.040	43.73	10.12	38.80	42.70	49.95	54	-4.05	AV
H	4434.141	60.22	5.94	35.18	44.00	57.34	68.2	-10.86	PK
H	4434.141	43.45	5.94	35.18	44.00	40.57	54	-13.43	AV
H	10520.052	50.86	8.46	38.71	44.50	53.53	68.2	-14.67	PK
H	10520.052	40.41	8.46	38.71	44.50	43.08	54	-10.92	AV
H	15780.007	51.62	10.12	38.38	44.10	56.02	74	-17.98	PK
H	15780.007	44.83	10.12	38.38	44.10	49.23	54	-4.77	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.035	64.64	6.48	36.35	44.05	63.42	74	-10.58	PK
V	4592.035	43.31	6.48	36.35	44.05	42.09	54	-11.91	AV
V	10560.177	60.33	8.47	37.88	44.51	62.17	68.2	-6.03	PK
V	10560.177	43.49	8.47	37.88	44.51	45.33	54	-8.67	AV
V	15840.001	60.09	10.12	38.80	44.10	64.91	74	-9.09	PK
V	15840.001	43.05	10.12	38.80	42.70	49.27	54	-4.73	AV
H	4592.188	60.19	6.48	36.37	44.05	58.99	74	-15.01	PK
H	4592.188	43.44	6.48	36.37	44.05	42.24	54	-11.76	AV
H	10560.008	54.62	8.47	38.64	44.50	57.23	68.2	-10.97	PK
H	10560.008	44.00	8.47	38.64	44.50	46.61	54	-7.39	AV
H	15840.011	54.64	10.12	38.38	44.10	59.04	74	-14.96	PK
H	15840.011	42.79	10.12	38.38	44.10	47.19	54	-6.81	AV
High Channel (5320 MHz)-Above 1G									
V	4739.161	60.51	7.10	37.24	43.50	61.35	74	-12.65	PK
V	4739.161	43.28	7.10	37.24	43.50	44.12	54	-9.88	AV
V	10640.145	62.70	8.46	37.68	44.50	64.34	68.2	-3.86	PK
V	10640.145	43.24	8.46	37.68	44.50	44.88	54	-9.12	AV
V	15960.038	61.62	10.12	38.80	44.10	66.44	74	-7.56	PK
V	15960.038	43.98	10.12	38.80	42.70	50.20	54	-3.80	AV
H	4739.148	62.53	7.10	37.24	43.50	63.37	74	-10.63	PK
H	4739.148	43.15	7.10	37.24	43.50	43.99	54	-10.01	AV
H	10640.126	52.32	8.46	38.57	44.50	54.85	68.2	-13.35	PK
H	10640.126	42.22	8.46	38.57	44.50	44.75	54	-9.25	AV
H	15960.011	53.68	10.12	38.38	44.10	58.08	74	-15.92	PK
H	15960.011	44.52	10.12	38.38	44.10	48.92	54	-5.08	AV

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

Test Mode :	TX(5.3G) - 802.11n-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	4434.057	64.21	5.94	35.40	44.00	61.55	68.2	-6.65	PK
V	4434.057	43.85	5.94	35.40	44.00	41.19	54	-12.81	AV
V	10540.127	61.74	8.46	39.75	44.50	65.45	68.2	-2.75	PK
V	10540.127	43.54	8.46	39.75	44.50	47.25	54	-6.75	AV
V	15810.004	62.09	10.12	38.80	44.10	66.91	74	-7.09	PK
V	15810.004	43.77	10.12	38.80	42.70	49.99	54	-4.01	AV
H	4434.144	60.69	5.94	35.18	44.00	57.81	74	-16.19	PK
H	4434.144	43.26	5.94	35.18	44.00	40.38	54	-13.62	AV
H	10540.045	53.52	8.46	38.71	44.50	56.19	68.2	-12.01	PK
H	10540.045	41.00	8.46	38.71	44.50	43.67	54	-10.33	AV
H	15810.083	53.37	10.12	38.38	44.10	57.77	74	-16.23	PK
H	15810.083	42.15	10.12	38.38	44.10	46.55	54	-7.45	AV
middle Channel (5310 MHz)-Above 1G									
V	4739.105	61.80	6.48	36.35	44.05	60.58	68.2	-7.62	PK
V	4739.105	43.74	6.48	36.35	44.05	42.52	54	-11.48	AV
V	10620.029	63.92	8.47	37.88	44.51	65.76	68.2	-2.44	PK
V	10620.029	43.26	8.47	37.88	44.51	45.10	54	-8.90	AV
V	15930.180	62.82	10.12	38.80	44.10	67.64	74	-6.36	PK
V	15930.180	43.03	10.12	38.80	42.70	49.25	54	-4.75	AV
H	4739.047	63.59	6.48	36.37	44.05	62.39	68.2	-5.81	PK
H	4739.047	43.54	6.48	36.37	44.05	42.34	54	-11.66	AV
H	10620.092	50.98	8.47	38.64	44.50	53.59	68.2	-14.61	PK
H	10620.092	43.04	8.47	38.64	44.50	45.65	54	-8.35	AV
H	15930.000	54.27	10.12	38.38	44.10	58.67	74	-15.33	PK
H	15930.000	42.86	10.12	38.38	44.10	47.26	54	-6.74	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode :	TX(5.3G) - 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	4434.197	60.35	5.94	35.40	44.00	57.69	68.2	-10.51	PK
V	4434.197	43.37	5.94	35.40	44.00	40.71	54	-13.29	AV
V	10520.055	60.57	8.46	39.75	44.50	64.28	68.2	-3.92	PK
V	10520.055	43.86	8.46	39.75	44.50	47.57	54	-6.43	AV
V	15780.095	60.83	10.12	38.80	44.10	65.65	74	-8.35	PK
V	15780.095	43.22	10.12	38.80	42.70	49.44	54	-4.56	AV
H	4434.065	60.96	5.94	35.18	44.00	58.08	68.2	-10.12	PK
H	4434.065	43.06	5.94	35.18	44.00	40.18	54	-13.82	AV
H	10520.094	52.06	8.46	38.71	44.50	54.73	68.2	-13.47	PK
H	10520.094	40.59	8.46	38.71	44.50	43.26	54	-10.74	AV
H	15780.158	53.42	10.12	38.38	44.10	57.82	74	-16.18	PK
H	15780.158	44.54	10.12	38.38	44.10	48.94	54	-5.06	AV
middle Channel (5280 MHz)-Above 1G									
V	4592.036	61.35	6.48	36.35	44.05	60.13	74	-13.87	PK
V	4592.036	43.07	6.48	36.35	44.05	41.85	54	-12.15	AV
V	10560.106	61.91	8.47	37.88	44.51	63.75	68.2	-4.45	PK
V	10560.106	43.69	8.47	37.88	44.51	45.53	54	-8.47	AV
V	15840.086	64.02	10.12	38.80	44.10	68.84	74	-5.16	PK
V	15840.086	43.60	10.12	38.80	42.70	49.82	54	-4.18	AV
H	4592.026	62.66	6.48	36.37	44.05	61.46	74	-12.54	PK
H	4592.026	43.07	6.48	36.37	44.05	41.87	54	-12.13	AV
H	10560.075	54.30	8.47	38.64	44.50	56.91	68.2	-11.29	PK
H	10560.075	41.71	8.47	38.64	44.50	44.32	54	-9.68	AV
H	15840.095	51.84	10.12	38.38	44.10	56.24	74	-17.76	PK
H	15840.095	42.48	10.12	38.38	44.10	46.88	54	-7.12	AV
High Channel (5320 MHz)-Above 1G									
V	4739.002	62.43	7.10	37.24	43.50	63.27	74	-10.73	PK
V	4739.002	43.94	7.10	37.24	43.50	44.78	54	-9.22	AV
V	10640.171	63.00	8.46	37.68	44.50	64.64	68.2	-3.56	PK
V	10640.171	43.93	8.46	37.68	44.50	45.57	54	-8.43	AV
V	15960.071	62.92	10.12	38.80	44.10	67.74	74	-6.26	PK
V	15960.071	43.14	10.12	38.80	42.70	49.36	54	-4.64	AV
H	4739.154	60.35	7.10	37.24	43.50	61.19	74	-12.81	PK
H	4739.154	43.79	7.10	37.24	43.50	44.63	54	-9.37	AV
H	10640.200	52.08	8.46	38.57	44.50	54.61	68.2	-13.59	PK
H	10640.200	40.30	8.46	38.57	44.50	42.83	54	-11.17	AV
H	15960.114	51.55	10.12	38.38	44.10	55.95	74	-18.05	PK
H	15960.114	42.87	10.12	38.38	44.10	47.27	54	-6.73	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	4434.166	64.57	5.94	35.40	44.00	61.91	68.2	-6.29	PK
V	4434.166	43.35	5.94	35.40	44.00	40.69	54	-13.31	AV
V	10540.073	60.53	8.46	39.75	44.50	64.24	68.2	-3.96	PK
V	10540.073	43.34	8.46	39.75	44.50	47.05	54	-6.95	AV
V	15810.064	63.83	10.12	38.80	44.10	68.65	74	-5.35	PK
V	15810.064	43.34	10.12	38.80	42.70	49.56	54	-4.44	AV
H	4434.072	63.80	5.94	35.18	44.00	60.92	74	-13.08	PK
H	4434.072	43.02	5.94	35.18	44.00	40.14	54	-13.86	AV
H	10540.041	50.91	8.46	38.71	44.50	53.58	68.2	-14.62	PK
H	10540.041	42.11	8.46	38.71	44.50	44.78	54	-9.22	AV
H	15810.114	50.11	10.12	38.38	44.10	54.51	74	-19.49	PK
H	15810.114	44.70	10.12	38.38	44.10	49.10	54	-4.90	AV
middle Channel (5310 MHz)-Above 1G									
V	4739.049	61.69	6.48	36.35	44.05	60.47	68.2	-7.73	PK
V	4739.049	43.14	6.48	36.35	44.05	41.92	54	-12.08	AV
V	10620.101	62.09	8.47	37.88	44.51	63.93	68.2	-4.27	PK
V	10620.101	43.36	8.47	37.88	44.51	45.20	54	-8.80	AV
V	15930.051	62.13	10.12	38.80	44.10	66.95	74	-7.05	PK
V	15930.051	43.66	10.12	38.80	42.70	49.88	54	-4.12	AV
H	4739.165	62.36	6.48	36.37	44.05	61.16	68.2	-7.04	PK
H	4739.165	43.14	6.48	36.37	44.05	41.94	54	-12.06	AV
H	10620.172	53.42	8.47	38.64	44.50	56.03	68.2	-12.17	PK
H	10620.172	43.39	8.47	38.64	44.50	46.00	54	-8.00	AV
H	15930.116	50.50	10.12	38.38	44.10	54.90	74	-19.10	PK
H	15930.116	40.01	10.12	38.38	44.10	44.41	54	-9.59	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	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5290 MHz)-Above 1G									
V	4434.167	60.16	5.94	35.40	44.00	57.50	68.2	-10.70	PK
V	4434.167	43.49	5.94	35.40	44.00	40.83	54	-13.17	AV
V	10580.180	63.68	8.46	39.75	44.50	67.39	68.2	-0.81	PK
V	10580.180	43.99	8.46	39.75	44.50	47.70	54	-6.30	AV
V	15870.022	63.33	10.12	38.80	44.10	68.15	74	-5.85	PK
V	15870.022	43.67	10.12	38.80	42.70	49.89	54	-4.11	AV
H	4434.052	63.38	5.94	35.18	44.00	60.50	68.2	-7.70	PK
H	4434.052	43.51	5.94	35.18	44.00	40.63	54	-13.37	AV
H	10580.053	51.66	8.46	38.71	44.50	54.33	68.2	-13.87	PK
H	10580.053	41.13	8.46	38.71	44.50	43.80	54	-10.20	AV
H	15870.157	54.34	10.12	38.38	44.10	58.74	74	-15.26	PK
H	15870.157	40.48	10.12	38.38	44.10	44.88	54	-9.12	AV

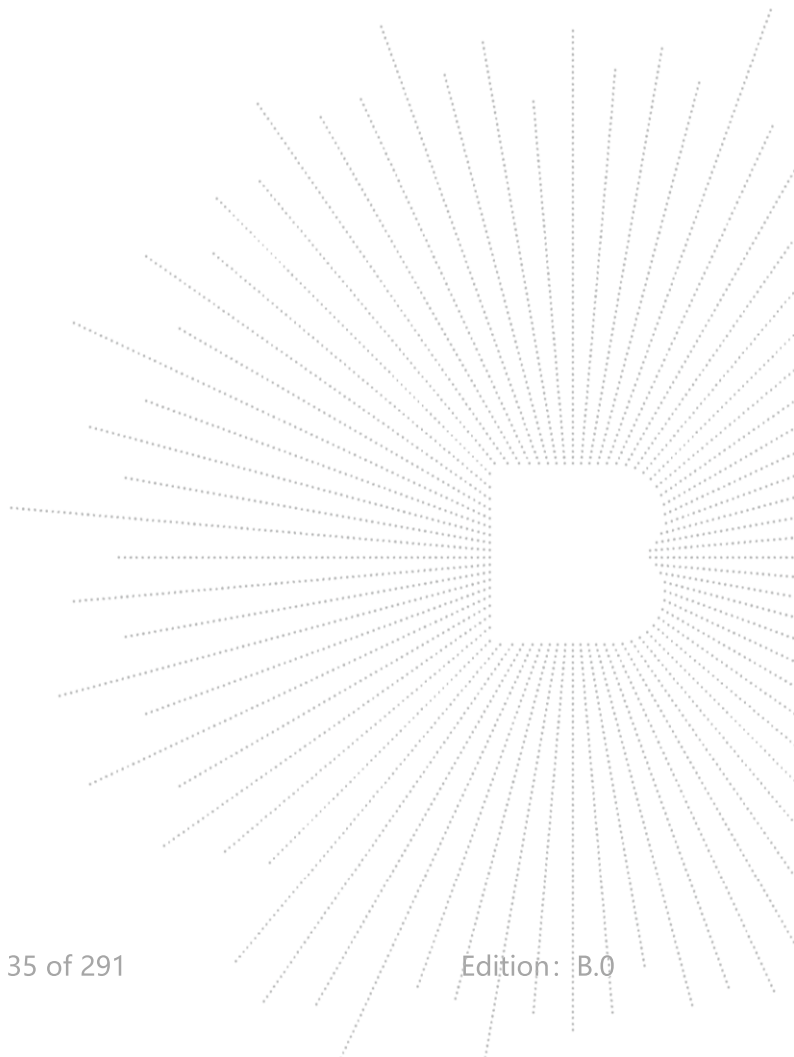
Note: PK value is lower than the Average value limit, So average didn't record.

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) - 802.11a
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G									
V	4434.121	61.35	5.94	35.40	44.00	58.69	68.2	-9.51	PK
V	4434.121	43.03	5.94	35.40	44.00	40.37	54	-13.63	AV
V	11000.053	60.75	8.46	39.75	44.50	64.46	68.2	-3.74	PK
V	11000.053	43.41	8.46	39.75	44.50	47.12	54	-6.88	AV
V	16500.127	60.85	10.12	38.80	44.10	65.67	74	-8.33	PK
V	16500.127	43.45	10.12	38.80	42.70	49.67	54	-4.33	AV
H	4434.096	60.81	5.94	35.18	44.00	57.93	68.2	-10.27	PK
H	4434.096	43.32	5.94	35.18	44.00	40.44	54	-13.56	AV
H	11000.083	50.92	8.46	38.71	44.50	53.59	68.2	-14.61	PK
H	11000.083	40.73	8.46	38.71	44.50	43.40	54	-10.60	AV
H	16500.045	51.25	10.12	38.38	44.10	55.65	74	-18.35	PK
H	16500.045	40.49	10.12	38.38	44.10	44.89	54	-9.11	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.083	62.25	6.48	36.35	44.05	61.03	74	-12.97	PK
V	4592.083	43.02	6.48	36.35	44.05	41.80	54	-12.20	AV
V	11160.032	62.67	8.47	37.88	44.51	64.51	68.2	-3.69	PK
V	11160.032	43.06	8.47	37.88	44.51	44.90	54	-9.10	AV
V	16740.165	64.35	10.12	38.80	44.10	69.17	74	-4.83	PK
V	16740.165	43.25	10.12	38.80	42.70	49.47	54	-4.53	AV
H	4592.026	63.90	6.48	36.37	44.05	62.70	74	-11.30	PK
H	4592.026	43.57	6.48	36.37	44.05	42.37	54	-11.63	AV
H	11160.127	51.58	8.47	38.64	44.50	54.19	68.2	-14.01	PK
H	11160.127	42.21	8.47	38.64	44.50	44.82	54	-9.18	AV
H	16740.198	53.81	10.12	38.38	44.10	58.21	74	-15.79	PK
H	16740.198	41.38	10.12	38.38	44.10	45.78	54	-8.22	AV
High Channel (5700 MHz)-Above 1G									
V	4739.033	63.83	7.10	37.24	43.50	64.67	74	-9.33	PK
V	4739.033	43.94	7.10	37.24	43.50	44.78	54	-9.22	AV
V	11400.087	60.37	8.46	37.68	44.50	62.01	68.2	-6.19	PK
V	11400.087	43.39	8.46	37.68	44.50	45.03	54	-8.97	AV
V	17100.041	63.88	10.12	38.80	44.10	68.70	74	-5.30	PK
V	17100.041	43.46	10.12	38.80	42.70	49.68	54	-4.32	AV
H	4739.129	61.14	7.10	37.24	43.50	61.98	74	-12.02	PK
H	4739.129	43.17	7.10	37.24	43.50	44.01	54	-9.99	AV
H	11400.044	53.46	8.46	38.57	44.50	55.99	68.2	-12.21	PK
H	11400.044	41.22	8.46	38.57	44.50	43.75	54	-10.25	AV
H	17100.009	54.04	10.12	38.38	44.10	58.44	74	-15.56	PK
H	17100.009	41.88	10.12	38.38	44.10	46.28	54	-7.72	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	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G									
V	4434.023	64.88	5.94	35.40	44.00	62.22	68.2	-5.98	PK
V	4434.023	43.15	5.94	35.40	44.00	40.49	54	-13.51	AV
V	11000.026	61.17	8.46	39.75	44.50	64.88	68.2	-3.32	PK
V	11000.026	43.70	8.46	39.75	44.50	47.41	54	-6.59	AV
V	16500.141	62.16	10.12	38.80	44.10	66.98	74	-7.02	PK
V	16500.141	43.84	10.12	38.80	42.70	50.06	54	-3.94	AV
H	4434.031	63.00	5.94	35.18	44.00	60.12	68.2	-8.08	PK
H	4434.031	43.55	5.94	35.18	44.00	40.67	54	-13.33	AV
H	11000.135	52.79	8.46	38.71	44.50	55.46	68.2	-12.74	PK
H	11000.135	41.03	8.46	38.71	44.50	43.70	54	-10.30	AV
H	16500.138	50.46	10.12	38.38	44.10	54.86	74	-19.14	PK
H	16500.138	44.13	10.12	38.38	44.10	48.53	54	-5.47	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.025	62.95	6.48	36.35	44.05	61.73	74	-12.27	PK
V	4592.025	43.56	6.48	36.35	44.05	42.34	54	-11.66	AV
V	11160.086	60.74	8.47	37.88	44.51	62.58	68.2	-5.62	PK
V	11160.086	43.15	8.47	37.88	44.51	44.99	54	-9.01	AV
V	16740.178	62.74	10.12	38.80	44.10	67.56	74	-6.44	PK
V	16740.178	43.64	10.12	38.80	42.70	49.86	54	-4.14	AV
H	4592.142	63.52	6.48	36.37	44.05	62.32	74	-11.68	PK
H	4592.142	43.79	6.48	36.37	44.05	42.59	54	-11.41	AV
H	11160.128	53.73	8.47	38.64	44.50	56.34	68.2	-11.86	PK
H	11160.128	42.54	8.47	38.64	44.50	45.15	54	-8.85	AV
H	16740.049	51.33	10.12	38.38	44.10	55.73	74	-18.27	PK
H	16740.049	43.34	10.12	38.38	44.10	47.74	54	-6.26	AV
High Channel (5700 MHz)-Above 1G									
V	4739.198	64.35	7.10	37.24	43.50	65.19	74	-8.81	PK
V	4739.198	43.71	7.10	37.24	43.50	44.55	54	-9.45	AV
V	11400.083	61.56	8.46	37.68	44.50	63.20	68.2	-5.00	PK
V	11400.083	43.03	8.46	37.68	44.50	44.67	54	-9.33	AV
V	17100.163	62.63	10.12	38.80	44.10	67.45	74	-6.55	PK
V	17100.163	43.08	10.12	38.80	42.70	49.30	54	-4.70	AV
H	4739.109	63.48	7.10	37.24	43.50	64.32	74	-9.68	PK
H	4739.109	43.41	7.10	37.24	43.50	44.25	54	-9.75	AV
H	11400.009	50.04	8.46	38.57	44.50	52.57	68.2	-15.63	PK
H	11400.009	40.47	8.46	38.57	44.50	43.00	54	-11.00	AV
H	17100.090	50.77	10.12	38.38	44.10	55.17	74	-18.83	PK
H	17100.090	44.89	10.12	38.38	44.10	49.29	54	-4.71	AV

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

Test Mode:	TX(5.6G) - 802.11n-HT40
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5510 MHz)-Above 1G									
V	4434.046	60.30	5.94	35.40	44.00	57.64	68.2	-10.56	PK
V	4434.046	43.01	5.94	35.40	44.00	40.35	54	-13.65	AV
V	11020.116	62.32	8.46	39.75	44.50	66.03	68.2	-2.17	PK
V	11020.116	43.94	8.46	39.75	44.50	47.65	54	-6.35	AV
V	16530.012	63.23	10.12	38.80	44.10	68.05	74	-5.95	PK
V	16530.012	43.06	10.12	38.80	42.70	49.28	54	-4.72	AV
H	4434.152	63.95	5.94	35.18	44.00	61.07	68.2	-7.13	PK
H	4434.152	43.52	5.94	35.18	44.00	40.64	54	-13.36	AV
H	11020.077	51.43	8.46	38.71	44.50	54.10	68.2	-14.10	PK
H	11020.077	43.33	8.46	38.71	44.50	46.00	54	-8.00	AV
H	16530.055	51.53	10.12	38.38	44.10	55.93	74	-18.07	PK
H	16530.055	44.25	10.12	38.38	44.10	48.65	54	-5.35	AV
Middle Channel (5550 MHz)-Above 1G									
V	4592.076	60.75	6.48	36.35	44.05	59.53	74	-14.47	PK
V	4592.076	43.86	6.48	36.35	44.05	42.64	54	-11.36	AV
V	11100.155	64.32	8.47	37.88	44.51	66.16	68.2	-2.04	PK
V	11100.155	43.55	8.47	37.88	44.51	45.39	54	-8.61	AV
V	16650.139	62.19	10.12	38.80	44.10	67.01	74	-6.99	PK
V	16650.139	43.31	10.12	38.80	42.70	49.53	54	-4.47	AV
H	4592.087	63.63	6.48	36.37	44.05	62.43	74	-11.57	PK
H	4592.087	43.38	6.48	36.37	44.05	42.18	54	-11.82	AV
H	11100.006	51.34	8.47	38.64	44.50	53.95	68.2	-14.25	PK
H	11100.006	41.96	8.47	38.64	44.50	44.57	54	-9.43	AV
H	16650.004	52.04	10.12	38.38	44.10	56.44	74	-17.56	PK
H	16650.004	42.10	10.12	38.38	44.10	46.50	54	-7.50	AV
High Channel (5670 MHz)-Above 1G									
V	4739.178	62.89	7.10	37.24	43.50	63.73	74	-10.27	PK
V	4739.178	43.18	7.10	37.24	43.50	44.02	54	-9.98	AV
V	11340.048	63.45	8.46	37.68	44.50	65.09	68.2	-3.11	PK
V	11340.048	43.89	8.46	37.68	44.50	45.53	54	-8.47	AV
V	17010.143	60.56	10.12	38.80	44.10	65.38	74	-8.62	PK
V	17010.143	43.40	10.12	38.80	42.70	49.62	54	-4.38	AV
H	4739.153	63.41	7.10	37.24	43.50	64.25	74	-9.75	PK
H	4739.153	43.10	7.10	37.24	43.50	43.94	54	-10.06	AV
H	11340.115	51.73	8.46	38.57	44.50	54.26	68.2	-13.94	PK
H	11340.115	41.43	8.46	38.57	44.50	43.96	54	-10.04	AV
H	17010.175	52.15	10.12	38.38	44.10	56.55	74	-17.45	PK
H	17010.175	42.99	10.12	38.38	44.10	47.39	54	-6.61	AV

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

Test Mode:	TX(5.6G) - 802.11ac-HT20
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5500 MHz)-Above 1G									
V	4434.134	64.62	5.94	35.40	44.00	61.96	68.2	-6.24	PK
V	4434.134	43.00	5.94	35.40	44.00	40.34	54	-13.66	AV
V	11000.169	61.82	8.46	39.75	44.50	65.53	68.2	-2.67	PK
V	11000.169	43.69	8.46	39.75	44.50	47.40	54	-6.60	AV
V	16500.039	63.77	10.12	38.80	44.10	68.59	74	-5.41	PK
V	16500.039	43.16	10.12	38.80	42.70	49.38	54	-4.62	AV
H	4434.036	63.56	5.94	35.18	44.00	60.68	68.2	-7.52	PK
H	4434.036	43.90	5.94	35.18	44.00	41.02	54	-12.98	AV
H	11000.036	53.96	8.46	38.71	44.50	56.63	68.2	-11.57	PK
H	11000.036	41.96	8.46	38.71	44.50	44.63	54	-9.37	AV
H	16500.145	53.03	10.12	38.38	44.10	57.43	74	-16.57	PK
H	16500.145	41.76	10.12	38.38	44.10	46.16	54	-7.84	AV
Middle Channel (5580 MHz)-Above 1G									
V	4592.133	61.18	6.48	36.35	44.05	59.96	74	-14.04	PK
V	4592.133	43.27	6.48	36.35	44.05	42.05	54	-11.95	AV
V	11160.082	60.24	8.47	37.88	44.51	62.08	68.2	-6.12	PK
V	11160.082	43.59	8.47	37.88	44.51	45.43	54	-8.57	AV
V	16740.043	61.01	10.12	38.80	44.10	65.83	74	-8.17	PK
V	16740.043	43.04	10.12	38.80	42.70	49.26	54	-4.74	AV
H	4592.146	61.47	6.48	36.37	44.05	60.27	74	-13.73	PK
H	4592.146	43.27	6.48	36.37	44.05	42.07	54	-11.93	AV
H	11160.145	53.29	8.47	38.64	44.50	55.90	68.2	-12.30	PK
H	11160.145	41.41	8.47	38.64	44.50	44.02	54	-9.98	AV
H	16740.199	54.79	10.12	38.38	44.10	59.19	74	-14.81	PK
H	16740.199	41.56	10.12	38.38	44.10	45.96	54	-8.04	AV
High Channel (5700 MHz)-Above 1G									
V	4739.124	61.97	7.10	37.24	43.50	62.81	74	-11.19	PK
V	4739.124	43.82	7.10	37.24	43.50	44.66	54	-9.34	AV
V	11400.014	63.96	8.46	37.68	44.50	65.60	68.2	-2.60	PK
V	11400.014	43.97	8.46	37.68	44.50	45.61	54	-8.39	AV
V	17100.093	60.49	10.12	38.80	44.10	65.31	74	-8.69	PK
V	17100.093	43.36	10.12	38.80	42.70	49.58	54	-4.42	AV
H	4739.140	61.23	7.10	37.24	43.50	62.07	74	-11.93	PK
H	4739.140	43.17	7.10	37.24	43.50	44.01	54	-9.99	AV
H	11400.040	55.00	8.46	38.57	44.50	57.53	68.2	-10.67	PK
H	11400.040	44.46	8.46	38.57	44.50	46.99	54	-7.01	AV
H	17100.015	53.93	10.12	38.38	44.10	58.33	74	-15.67	PK
H	17100.015	41.04	10.12	38.38	44.10	45.44	54	-8.56	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(5.6G) - 802.11ac-HT40
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5510 MHz)-Above 1G									
V	4434.138	64.51	5.94	35.40	44.00	61.85	68.2	-6.35	PK
V	4434.138	43.93	5.94	35.40	44.00	41.27	54	-12.73	AV
V	11020.033	63.18	8.46	39.75	44.50	66.89	68.2	-1.31	PK
V	11020.033	43.40	8.46	39.75	44.50	47.11	54	-6.89	AV
V	16530.084	62.28	10.12	38.80	44.10	67.10	74	-6.90	PK
V	16530.084	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4434.154	63.01	5.94	35.18	44.00	60.13	68.2	-8.07	PK
H	4434.154	43.84	5.94	35.18	44.00	40.96	54	-13.04	AV
H	11020.132	53.57	8.46	38.71	44.50	56.24	68.2	-11.96	PK
H	11020.132	40.70	8.46	38.71	44.50	43.37	54	-10.63	AV
H	16530.117	51.10	10.12	38.38	44.10	55.50	74	-18.50	PK
H	16530.117	44.12	10.12	38.38	44.10	48.52	54	-5.48	AV
Middle Channel (5550 MHz)-Above 1G									
V	4592.124	61.10	6.48	36.35	44.05	59.88	74	-14.12	PK
V	4592.124	43.94	6.48	36.35	44.05	42.72	54	-11.28	AV
V	11100.110	60.23	8.47	37.88	44.51	62.07	68.2	-6.13	PK
V	11100.110	43.54	8.47	37.88	44.51	45.38	54	-8.62	AV
V	16650.093	60.30	10.12	38.80	44.10	65.12	74	-8.88	PK
V	16650.093	43.27	10.12	38.80	42.70	49.49	54	-4.51	AV
H	4592.059	63.90	6.48	36.37	44.05	62.70	74	-11.30	PK
H	4592.059	43.39	6.48	36.37	44.05	42.19	54	-11.81	AV
H	11100.191	54.60	8.47	38.64	44.50	57.21	68.2	-10.99	PK
H	11100.191	44.05	8.47	38.64	44.50	46.66	54	-7.34	AV
H	16650.015	50.84	10.12	38.38	44.10	55.24	74	-18.76	PK
H	16650.015	44.39	10.12	38.38	44.10	48.79	54	-5.21	AV
High Channel (5670 MHz)-Above 1G									
V	4739.185	63.97	7.10	37.24	43.50	64.81	74	-9.19	PK
V	4739.185	43.42	7.10	37.24	43.50	44.26	54	-9.74	AV
V	11340.153	64.03	8.46	37.68	44.50	65.67	68.2	-2.53	PK
V	11340.153	43.02	8.46	37.68	44.50	44.66	54	-9.34	AV
V	17010.114	61.42	10.12	38.80	44.10	66.24	74	-7.76	PK
V	17010.114	43.05	10.12	38.80	42.70	49.27	54	-4.73	AV
H	4739.118	63.69	7.10	37.24	43.50	64.53	74	-9.47	PK
H	4739.118	43.11	7.10	37.24	43.50	43.95	54	-10.05	AV
H	11340.044	54.50	8.46	38.57	44.50	57.03	68.2	-11.17	PK
H	11340.044	43.39	8.46	38.57	44.50	45.92	54	-8.08	AV
H	17010.106	51.72	10.12	38.38	44.10	56.12	74	-17.88	PK
H	17010.106	44.22	10.12	38.38	44.10	48.62	54	-5.38	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	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5530 MHz)-Above 1G									
V	4434.152	60.60	5.94	35.40	44.00	57.94	68.2	-10.26	PK
V	4434.152	43.90	5.94	35.40	44.00	41.24	54	-12.76	AV
V	11060.168	60.82	8.46	39.75	44.50	64.53	68.2	-3.67	PK
V	11060.168	43.90	8.46	39.75	44.50	47.61	54	-6.39	AV
V	16590.040	61.58	10.12	38.80	44.10	66.40	74	-7.60	PK
V	16590.040	43.20	10.12	38.80	42.70	49.42	54	-4.58	AV
H	4434.150	60.81	5.94	35.18	44.00	57.93	68.2	-10.27	PK
H	4434.150	43.49	5.94	35.18	44.00	40.61	54	-13.39	AV
H	11060.065	50.37	8.46	38.71	44.50	53.04	68.2	-15.16	PK
H	11060.065	42.63	8.46	38.71	44.50	45.30	54	-8.70	AV
H	16590.160	51.19	10.12	38.38	44.10	55.59	74	-18.41	PK
H	16590.160	41.34	10.12	38.38	44.10	45.74	54	-8.26	AV

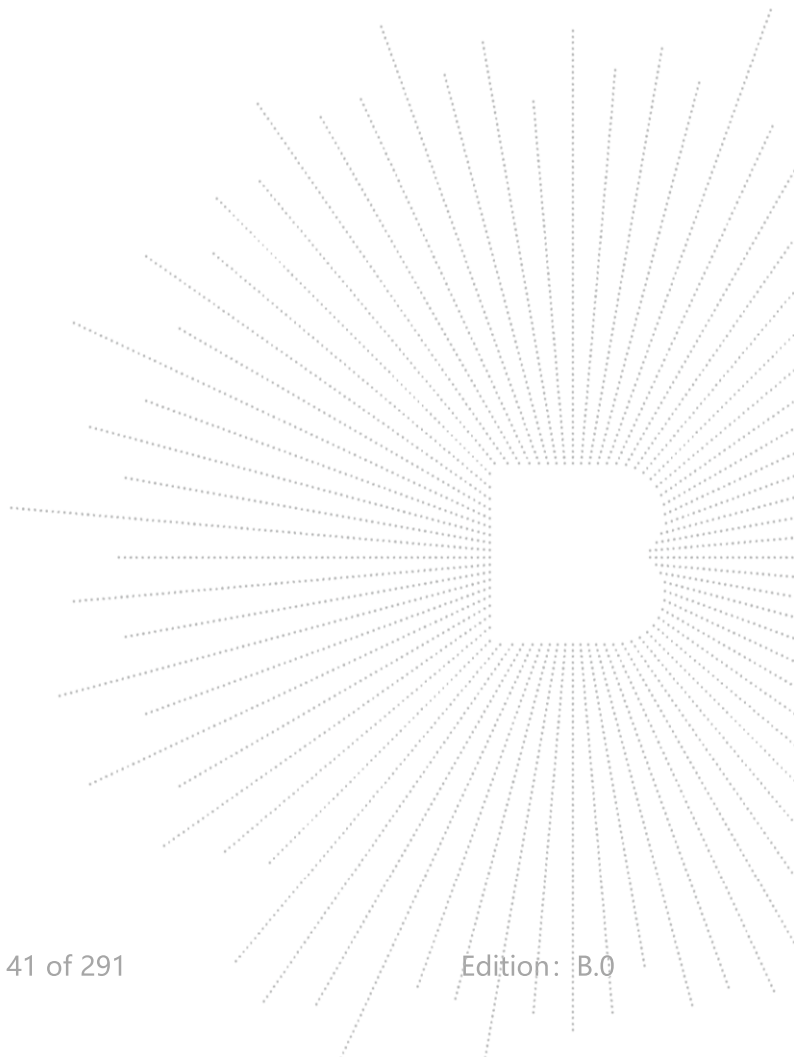
Note: PK value is lower than the Average value limit, So average didn't record.

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

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

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

Test Mode is MIMO Mode.



Test Mode:	TX(5.8G) - 802.11a
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G									
V	4679.094	59.93	5.94	35.40	44.00	57.27	74	-16.73	PK
V	4679.094	43.24	5.94	35.40	44.00	40.58	54	-13.42	AV
V	11490.138	57.21	8.46	39.75	44.50	60.92	68.2	-7.28	PK
V	11490.138	43.36	8.46	39.75	44.50	47.07	54	-6.93	AV
V	17235.140	59.86	10.12	38.80	44.10	64.68	68.2	-3.52	PK
V	17235.140	43.18	10.12	38.80	42.70	49.40	54	-4.60	AV
H	4679.094	56.13	5.94	35.18	44.00	53.25	74	-20.75	PK
H	4679.094	43.39	5.94	35.18	44.00	40.51	54	-13.49	AV
H	11490.164	54.52	8.46	38.71	44.50	57.19	68.2	-11.01	PK
H	11490.164	44.49	8.46	38.71	44.50	47.16	54	-6.84	AV
H	17235.193	51.70	10.12	38.38	44.10	56.10	68.2	-12.10	PK
H	17235.193	42.32	10.12	38.38	44.10	46.72	54	-7.28	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.107	54.40	6.48	36.35	44.05	53.18	74	-20.82	PK
V	4592.107	43.75	6.48	36.35	44.05	42.53	54	-11.47	AV
V	11570.060	57.02	8.47	37.88	44.51	58.86	68.2	-9.34	PK
V	11570.060	43.64	8.47	37.88	44.51	45.48	54	-8.52	AV
V	17355.152	58.79	10.12	38.80	44.10	63.61	68.2	-4.59	PK
V	17355.152	39.61	10.12	38.80	42.70	45.83	54	-8.17	AV
H	4592.186	57.14	6.48	36.37	44.05	55.94	74	-18.06	PK
H	4592.186	43.49	6.48	36.37	44.05	42.29	54	-11.71	AV
H	11570.156	52.11	8.47	38.64	44.50	54.72	68.2	-13.48	PK
H	11570.156	44.46	8.47	38.64	44.50	47.07	54	-6.93	AV
H	17355.114	54.67	10.12	38.38	44.10	59.07	68.2	-9.13	PK
H	17355.114	40.44	10.12	38.38	44.10	44.84	54	-9.16	AV
High Channel (5825 MHz)-Above 1G									
V	6039.122	58.08	7.10	37.24	43.50	58.92	68.2	-9.28	PK
V	6039.122	43.56	7.10	37.24	43.50	44.40	54	-9.60	AV
V	11650.107	61.13	8.46	37.68	44.50	62.77	74	-11.23	PK
V	11650.107	43.80	8.46	37.68	44.50	45.44	54	-8.56	AV
V	17475.148	53.82	10.12	38.80	44.10	58.64	68.2	-9.56	PK
V	17475.148	43.92	10.12	38.80	42.70	50.14	54	-3.86	AV
H	6039.142	54.78	7.10	37.24	43.50	55.62	68.2	-12.58	PK
H	6039.142	43.53	7.10	37.24	43.50	44.37	54	-9.63	AV
H	11650.167	51.49	8.46	38.57	44.50	54.02	74	-19.98	PK
H	11650.167	44.86	8.46	38.57	44.50	47.39	54	-6.61	AV
H	17475.085	54.60	10.12	38.38	44.10	59.00	68.2	-9.20	PK
H	17475.085	43.26	10.12	38.38	44.10	47.66	54	-6.34	AV

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

Test Mode:	TX(5.8G) - 802.11n-HT20
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G									
V	4679.173	57.75	5.94	35.40	44.00	55.09	74	-18.91	PK
V	4679.173	43.11	5.94	35.40	44.00	40.45	54	-13.55	AV
V	11490.156	53.05	8.46	39.75	44.50	56.76	68.2	-11.44	PK
V	11490.156	43.50	8.46	39.75	44.50	47.21	54	-6.79	AV
V	17235.153	58.83	10.12	38.80	44.10	63.65	68.2	-4.55	PK
V	17235.153	43.13	10.12	38.80	42.70	49.35	54	-4.65	AV
H	4679.075	58.36	5.94	35.18	44.00	55.48	74	-18.52	PK
H	4679.075	43.69	5.94	35.18	44.00	40.81	54	-13.19	AV
H	11490.071	47.72	8.46	38.71	44.50	50.39	68.2	-17.81	PK
H	11490.071	41.61	8.46	38.71	44.50	44.28	54	-9.72	AV
H	17235.120	54.26	10.12	38.38	44.10	58.66	68.2	-9.54	PK
H	17235.120	41.83	10.12	38.38	44.10	46.23	54	-7.77	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.053	62.47	6.48	36.35	44.05	61.25	74	-12.75	PK
V	4592.053	43.34	6.48	36.35	44.05	42.12	54	-11.88	AV
V	11570.133	54.05	8.47	37.88	44.51	55.89	68.2	-12.31	PK
V	11570.133	43.28	8.47	37.88	44.51	45.12	54	-8.88	AV
V	17355.117	57.24	10.12	38.80	44.10	62.06	68.2	-6.14	PK
V	17355.117	43.27	10.12	38.80	42.70	49.49	54	-4.51	AV
H	4592.005	58.78	6.48	36.37	44.05	57.58	74	-16.42	PK
H	4592.005	43.52	6.48	36.37	44.05	42.32	54	-11.68	AV
H	11570.009	51.71	8.47	38.64	44.50	54.32	68.2	-13.88	PK
H	11570.009	43.86	8.47	38.64	44.50	46.47	54	-7.53	AV
H	17355.022	50.56	10.12	38.38	44.10	54.96	68.2	-13.24	PK
H	17355.022	40.37	10.12	38.38	44.10	44.77	54	-9.23	AV
High Channel (5825 MHz)-Above 1G									
V	6039.022	55.36	7.10	37.24	43.50	56.20	68.2	-12.00	PK
V	6039.022	43.45	7.10	37.24	43.50	44.29	54	-9.71	AV
V	11650.002	58.20	8.46	37.68	44.50	59.84	74	-14.16	PK
V	11650.002	43.16	8.46	37.68	44.50	44.80	54	-9.20	AV
V	17475.029	55.69	10.12	38.80	44.10	60.51	68.2	-7.69	PK
V	17475.029	43.77	10.12	38.80	42.70	49.99	54	-4.01	AV
H	6039.189	58.03	7.10	37.24	43.50	58.87	68.2	-9.33	PK
H	6039.189	43.30	7.10	37.24	43.50	44.14	54	-9.86	AV
H	11650.142	50.39	8.46	38.57	44.50	52.92	74	-21.08	PK
H	11650.142	43.61	8.46	38.57	44.50	46.14	54	-7.86	AV
H	17475.137	51.34	10.12	38.38	44.10	55.74	68.2	-12.46	PK
H	17475.137	44.06	10.12	38.38	44.10	48.46	54	-5.54	AV

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

Test Mode:	TX(5.8G) - 802.11n-HT40
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G									
V	4679.119	57.65	5.94	35.40	44.00	54.99	74	-19.01	PK
V	4679.119	43.35	5.94	35.40	44.00	40.69	54	-13.31	AV
V	11510.125	55.21	8.46	39.75	44.50	58.92	74	-15.08	PK
V	11510.125	43.75	8.46	39.75	44.50	47.46	54	-6.54	AV
V	17265.096	56.25	10.12	38.80	44.10	61.07	68.2	-7.13	PK
V	17265.096	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4679.157	59.45	5.94	35.18	44.00	56.57	74	-17.43	PK
H	4679.157	43.45	5.94	35.18	44.00	40.57	54	-13.43	AV
H	11510.036	52.48	8.46	38.71	44.50	55.15	74	-18.85	PK
H	11510.036	40.07	8.46	38.71	44.50	42.74	54	-11.26	AV
H	17265.058	52.54	10.12	38.38	44.10	56.94	68.2	-11.26	PK
H	17265.058	41.68	10.12	38.38	44.10	46.08	54	-7.92	AV
High Channel (5795 MHz)-Above 1G									
V	6039.003	59.35	6.48	36.35	44.05	58.13	68.2	-10.07	PK
V	6039.003	43.52	6.48	36.35	44.05	42.30	54	-11.70	AV
V	11590.161	58.60	8.47	37.88	44.51	60.44	74	-13.56	PK
V	11590.161	43.89	8.47	37.88	44.51	45.73	54	-8.27	AV
V	17385.140	55.99	10.12	38.80	44.10	60.81	68.2	-7.39	PK
V	17385.140	41.48	10.12	38.80	42.70	47.70	54	-6.30	AV
H	6039.083	59.16	6.48	36.37	44.05	57.96	68.2	-10.24	PK
H	6039.083	43.73	6.48	36.37	44.05	42.53	54	-11.47	AV
H	11590.118	50.57	8.47	38.64	44.50	53.18	74	-20.82	PK
H	11590.118	43.82	8.47	38.64	44.50	46.43	54	-7.57	AV
H	17385.139	50.28	10.12	38.38	44.10	54.68	68.2	-13.52	PK
H	17385.139	40.36	10.12	38.38	44.10	44.76	54	-9.24	AV

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

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G									
V	4679.164	59.76	5.94	35.40	44.00	57.10	74	-16.90	PK
V	4679.164	43.76	5.94	35.40	44.00	41.10	54	-12.90	AV
V	11490.092	53.08	8.46	39.75	44.50	56.79	68.2	-11.41	PK
V	11490.092	43.48	8.46	39.75	44.50	47.19	54	-6.81	AV
V	17235.133	59.51	10.12	38.80	44.10	64.33	68.2	-3.87	PK
V	17235.133	43.05	10.12	38.80	42.70	49.27	54	-4.73	AV
H	4679.146	56.88	5.94	35.18	44.00	54.00	74	-20.00	PK
H	4679.146	43.08	5.94	35.18	44.00	40.20	54	-13.80	AV
H	11490.070	51.81	8.46	38.71	44.50	54.48	68.2	-13.72	PK
H	11490.070	41.49	8.46	38.71	44.50	44.16	54	-9.84	AV
H	17235.011	50.90	10.12	38.38	44.10	55.30	68.2	-12.90	PK
H	17235.011	42.42	10.12	38.38	44.10	46.82	54	-7.18	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.194	62.81	6.48	36.35	44.05	61.59	74	-12.41	PK
V	4592.194	43.46	6.48	36.35	44.05	42.24	54	-11.76	AV
V	11570.062	56.15	8.47	37.88	44.51	57.99	68.2	-10.21	PK
V	11570.062	43.81	8.47	37.88	44.51	45.65	54	-8.35	AV
V	17355.059	59.64	10.12	38.80	44.10	64.46	68.2	-3.74	PK
V	17355.059	43.87	10.12	38.80	42.70	50.09	54	-3.91	AV
H	4592.024	59.34	6.48	36.37	44.05	58.14	74	-15.86	PK
H	4592.024	43.33	6.48	36.37	44.05	42.13	54	-11.87	AV
H	11570.123	51.65	8.47	38.64	44.50	54.26	68.2	-13.94	PK
H	11570.123	43.61	8.47	38.64	44.50	46.22	54	-7.78	AV
H	17355.066	54.79	10.12	38.38	44.10	59.19	68.2	-9.01	PK
H	17355.066	44.94	10.12	38.38	44.10	49.34	54	-4.66	AV
High Channel (5825 MHz)-Above 1G									
V	6039.063	59.44	7.10	37.24	43.50	60.28	68.2	-7.92	PK
V	6039.063	43.27	7.10	37.24	43.50	44.11	54	-9.89	AV
V	11650.001	57.16	8.46	37.68	44.50	58.80	74	-15.20	PK
V	11650.001	43.81	8.46	37.68	44.50	45.45	54	-8.55	AV
V	17475.076	59.18	10.12	38.80	44.10	64.00	68.2	-4.20	PK
V	17475.076	43.16	10.12	38.80	42.70	49.38	54	-4.62	AV
H	6039.015	55.80	7.10	37.24	43.50	56.64	68.2	-11.56	PK
H	6039.015	43.44	7.10	37.24	43.50	44.28	54	-9.72	AV
H	11650.139	53.24	8.46	38.57	44.50	55.77	74	-18.23	PK
H	11650.139	44.93	8.46	38.57	44.50	47.46	54	-6.54	AV
H	17475.164	50.33	10.12	38.38	44.10	54.73	68.2	-13.47	PK
H	17475.164	43.54	10.12	38.38	44.10	47.94	54	-6.06	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	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G									
V	4679.117	58.10	5.94	35.40	44.00	55.44	74	-18.56	PK
V	4679.117	43.99	5.94	35.40	44.00	41.33	54	-12.67	AV
V	11510.097	55.25	8.46	39.75	44.50	58.96	74	-15.04	PK
V	11510.097	43.85	8.46	39.75	44.50	47.56	54	-6.44	AV
V	17265.184	56.80	10.12	38.80	44.10	61.62	68.2	-6.58	PK
V	17265.184	43.83	10.12	38.80	42.70	50.05	54	-3.95	AV
H	4679.127	56.81	5.94	35.18	44.00	53.93	74	-20.07	PK
H	4679.127	43.53	5.94	35.18	44.00	40.65	54	-13.35	AV
H	11510.195	53.05	8.46	38.71	44.50	55.72	74	-18.28	PK
H	11510.195	41.69	8.46	38.71	44.50	44.36	54	-9.64	AV
H	17265.189	53.80	10.12	38.38	44.10	58.20	68.2	-10.00	PK
H	17265.189	44.68	10.12	38.38	44.10	49.08	54	-4.92	AV
High Channel (5795 MHz)-Above 1G									
V	6039.168	58.00	6.48	36.35	44.05	56.78	68.2	-11.42	PK
V	6039.168	43.46	6.48	36.35	44.05	42.24	54	-11.76	AV
V	11590.124	58.58	8.47	37.88	44.51	60.42	74	-13.58	PK
V	11590.124	43.93	8.47	37.88	44.51	45.77	54	-8.23	AV
V	17385.027	55.29	10.12	38.80	44.10	60.11	68.2	-8.09	PK
V	17385.027	41.63	10.12	38.80	42.70	47.85	54	-6.15	AV
H	6039.140	58.44	6.48	36.37	44.05	57.24	68.2	-10.96	PK
H	6039.140	43.36	6.48	36.37	44.05	42.16	54	-11.84	AV
H	11590.177	54.24	8.47	38.64	44.50	56.85	74	-17.15	PK
H	11590.177	42.61	8.47	38.64	44.50	45.22	54	-8.78	AV
H	17385.076	53.07	10.12	38.38	44.10	57.47	68.2	-10.73	PK
H	17385.076	41.60	10.12	38.38	44.10	46.00	54	-8.00	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.8G) - 802.11ac-HT80
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Polar (H/V)	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
(5775 MHz)-Above 1G									
V	4679.175	56.29	5.94	35.40	44.00	53.63	74	-20.37	PK
V	4679.175	43.63	5.94	35.40	44.00	40.97	54	-13.03	AV
V	11550.021	59.58	8.46	39.75	44.50	63.29	74	-10.71	PK
V	11550.021	42.26	8.46	39.75	44.50	45.97	54	-8.03	AV
V	17325.058	56.58	10.12	38.80	44.10	61.40	68.2	-6.80	PK
V	17325.058	41.04	10.12	38.80	42.70	47.26	54	-6.74	AV
H	4679.029	56.96	5.94	35.18	44.00	54.08	74	-19.92	PK
H	4679.029	43.50	5.94	35.18	44.00	40.62	54	-13.38	AV
H	11550.160	52.78	8.46	38.71	44.50	55.45	74	-18.55	PK
H	11550.160	42.64	8.46	38.71	44.50	45.31	54	-8.69	AV
H	17325.173	53.46	10.12	38.38	44.10	57.86	68.2	-10.34	PK
H	17325.173	44.58	10.12	38.38	44.10	48.98	54	-5.02	AV

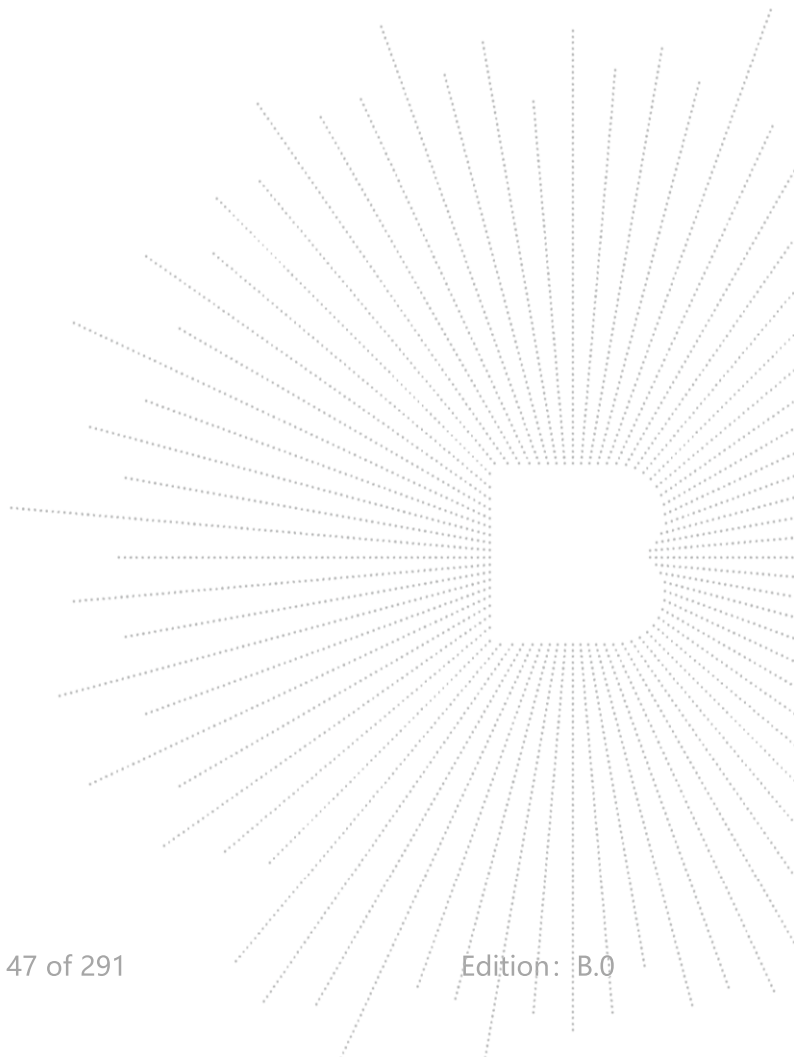
Note: PK value is lower than the Average value limit, So average didn't record.

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

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

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

Test Mode is MIMO Mode.



8. Power Spectral Density Test

8.1 Block Diagram Of Test Setup



8.2 Limit

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

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

(b) (2) The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3 Test Procedure

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

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

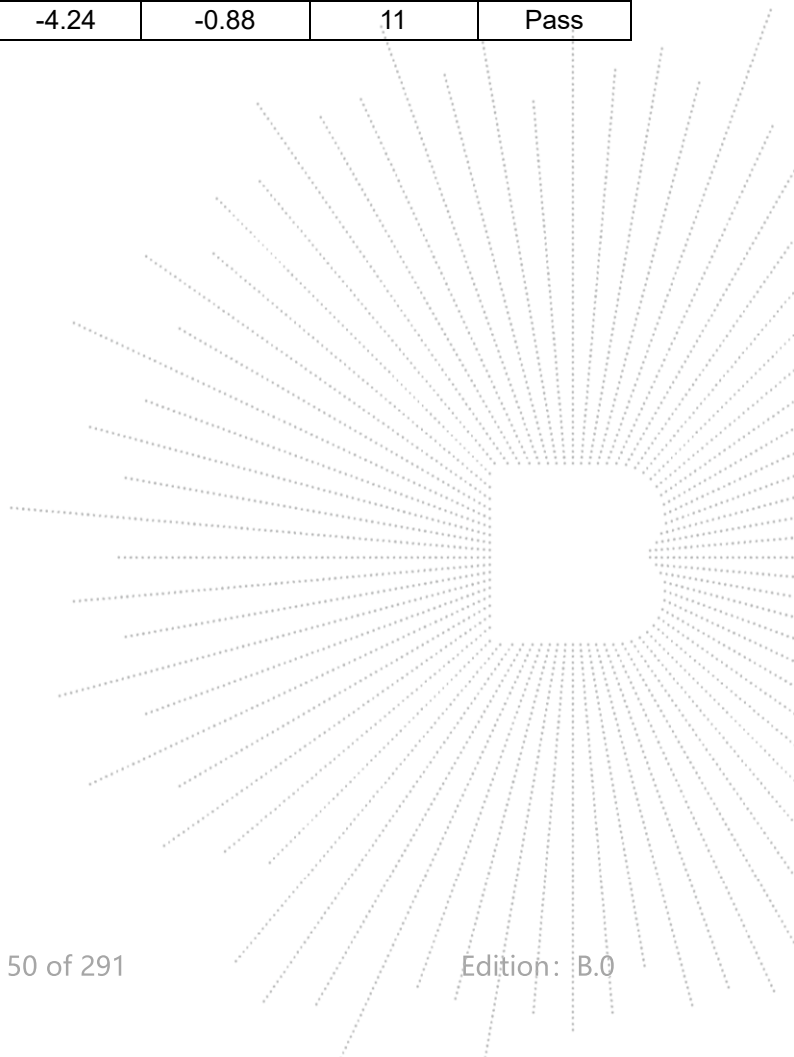
8.4 EUT Operating Conditions

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

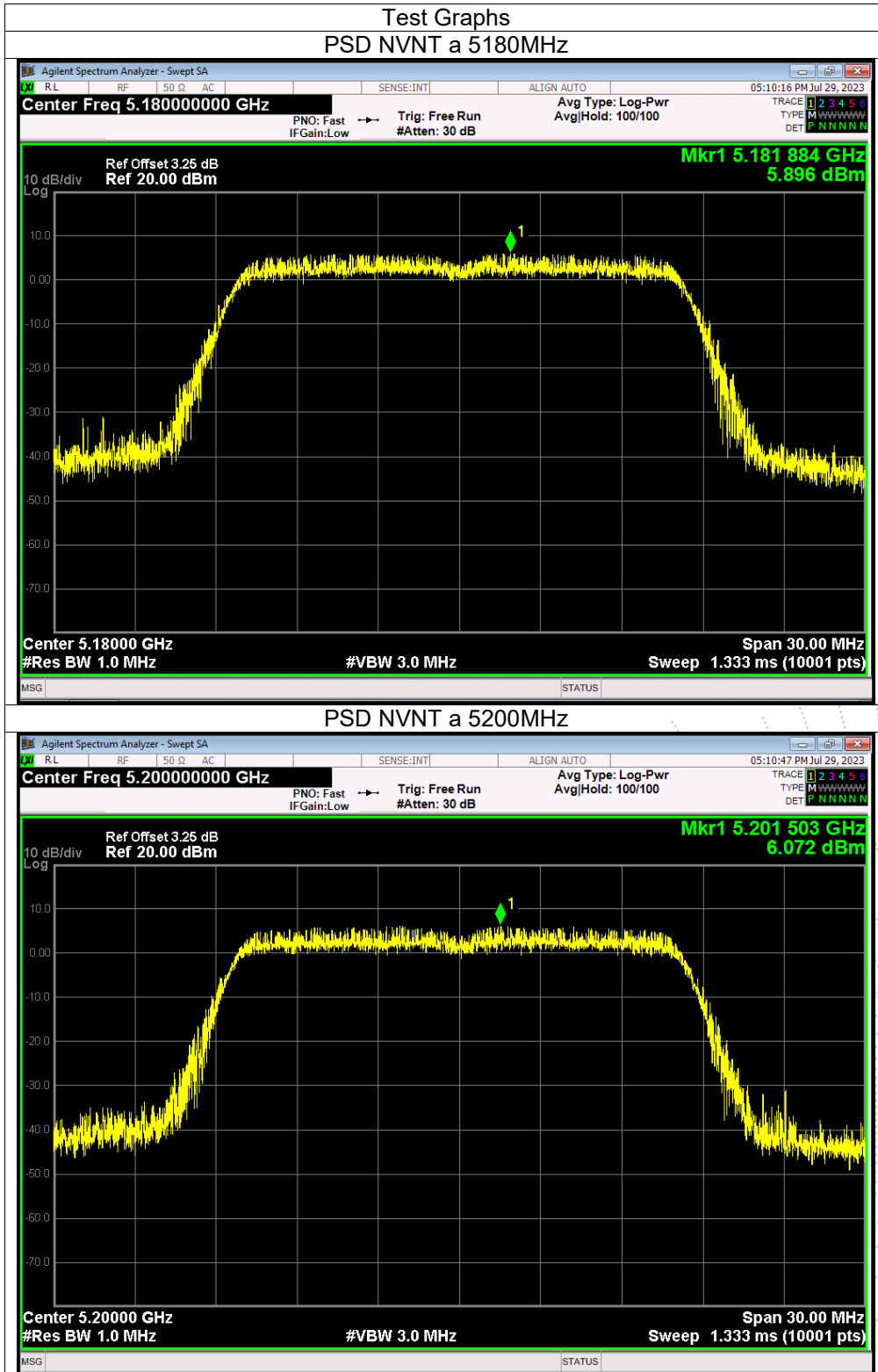
8.5 Test Result

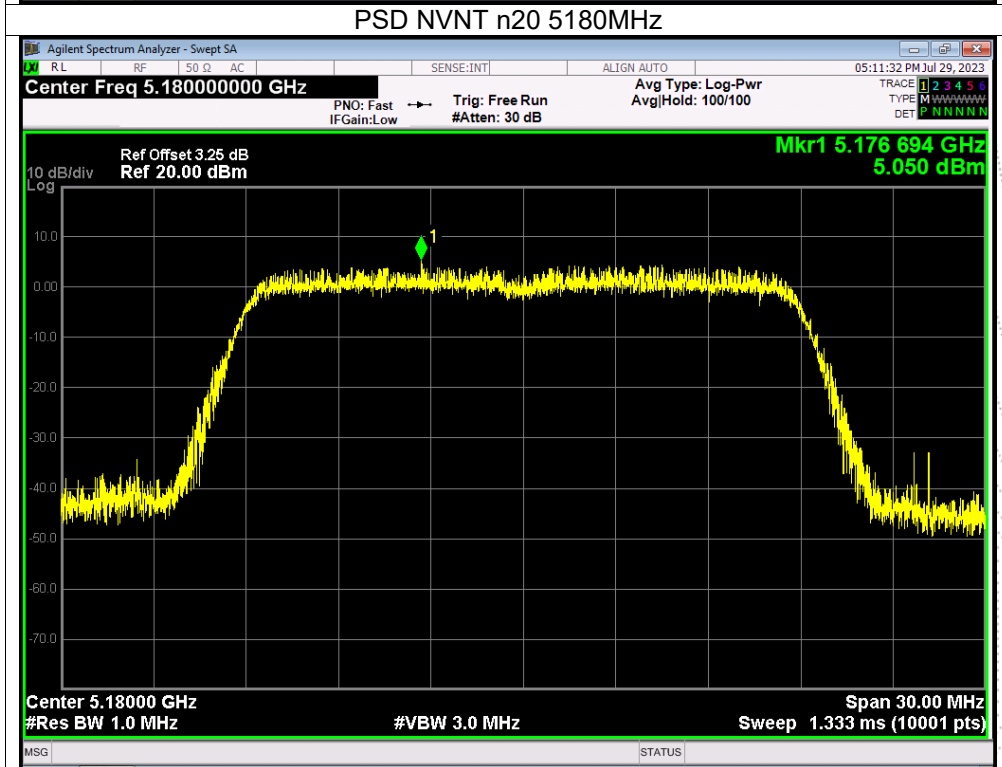
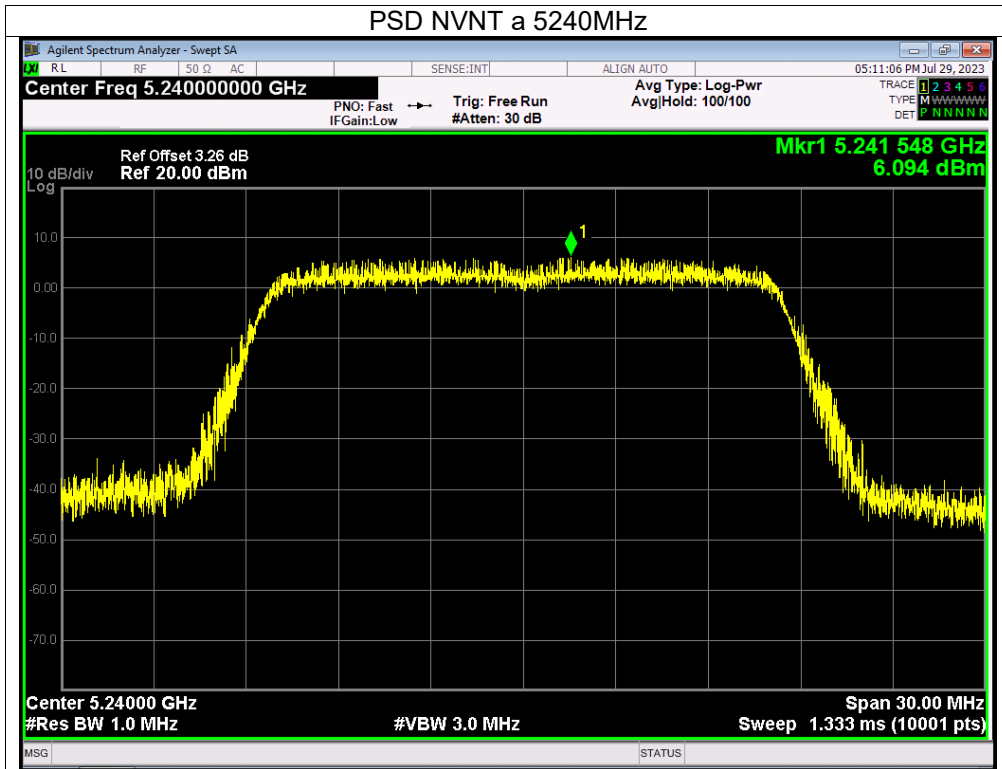
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Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5180-5240MHz)		

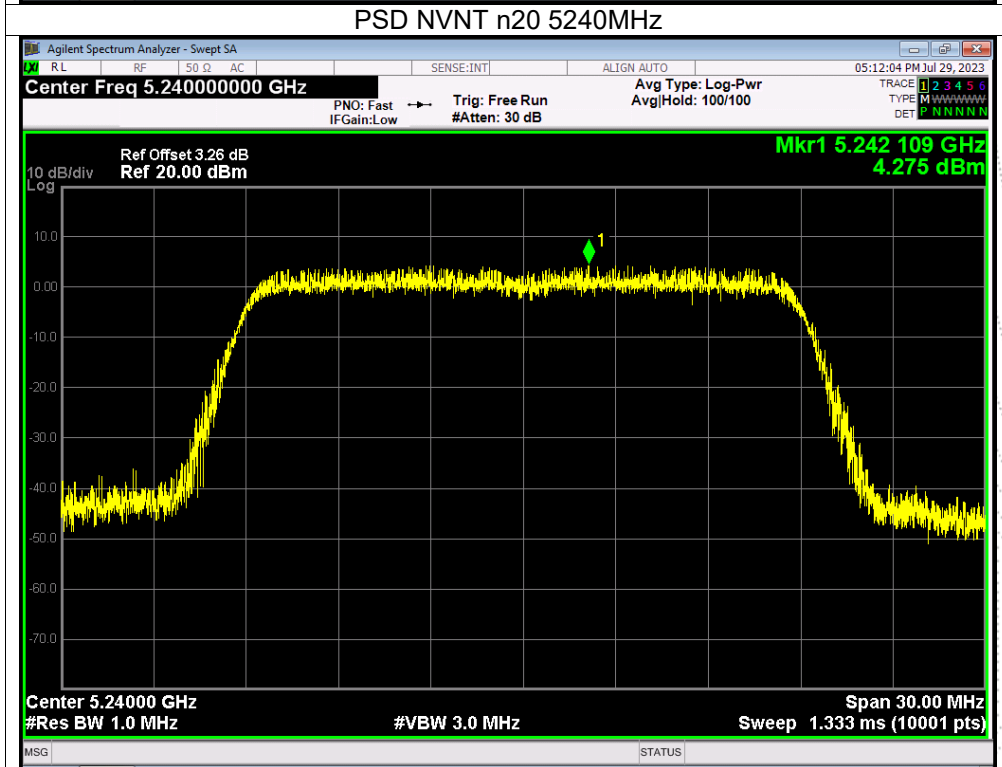
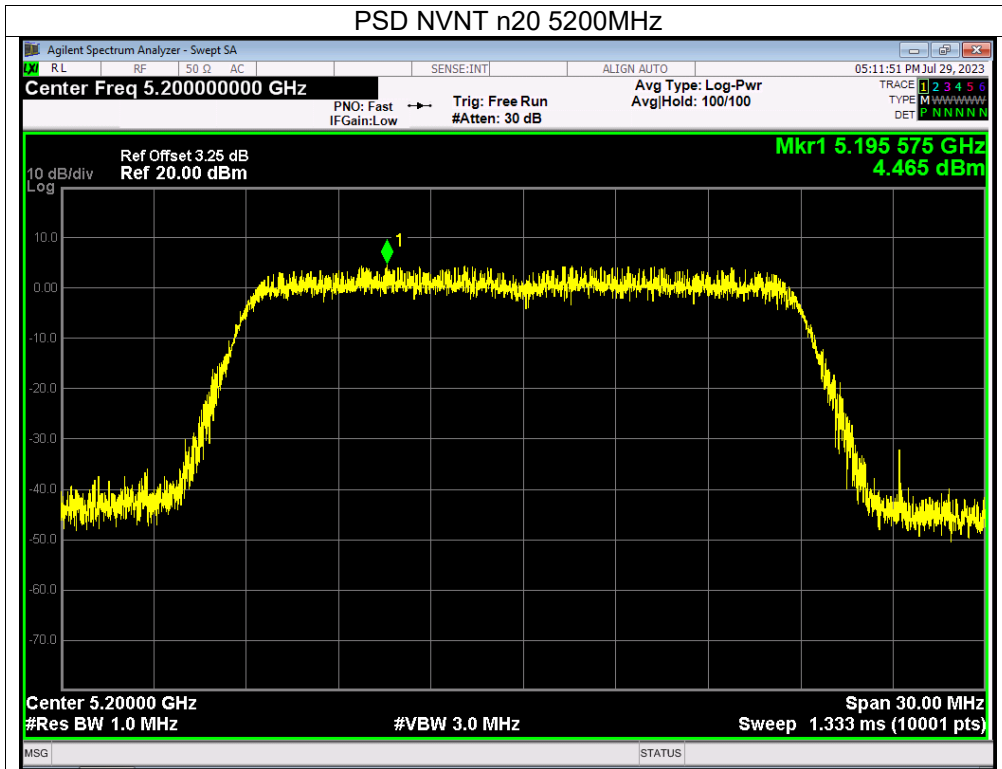
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5180	4.09	5.9	/	11	Pass
NVNT	a	5200	4.04	6.07	/	11	Pass
NVNT	a	5240	4.03	6.09	/	11	Pass
NVNT	n20	5180	2.48	5.05	6.96	11	Pass
NVNT	n20	5200	2.59	4.47	6.64	11	Pass
NVNT	n20	5240	2.55	4.28	6.51	11	Pass
NVNT	n40	5190	1.1	1.43	4.28	11	Pass
NVNT	n40	5230	0.44	1.34	3.92	11	Pass
NVNT	ac20	5180	2.91	4.3	6.67	11	Pass
NVNT	ac20	5200	3.68	4.66	7.21	11	Pass
NVNT	ac20	5240	2.8	4.26	6.60	11	Pass
NVNT	ac40	5190	0.71	0.28	3.51	11	Pass
NVNT	ac40	5230	3.88	0.4	5.49	11	Pass
NVNT	ac80	5210	-3.56	-4.24	-0.88	11	Pass

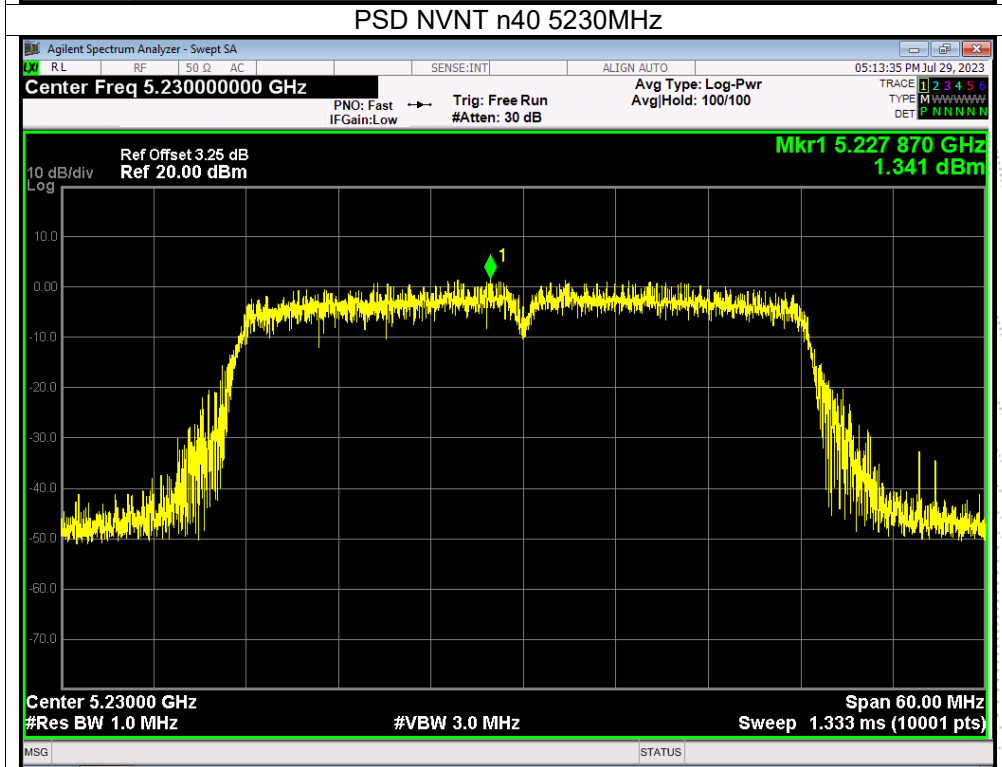
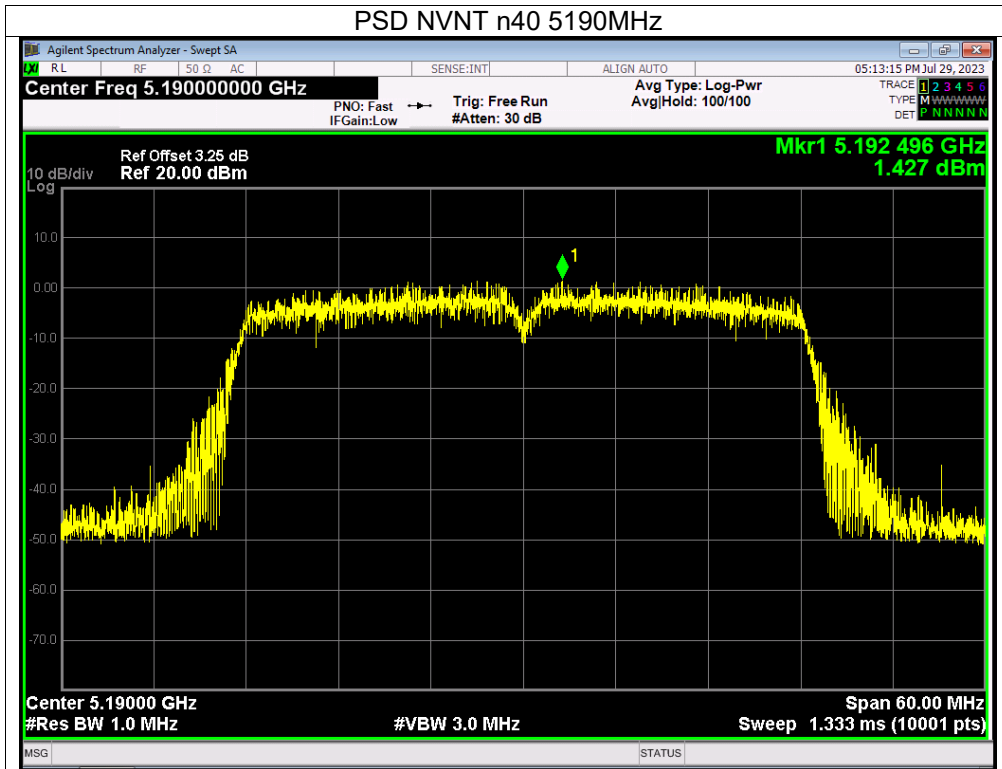


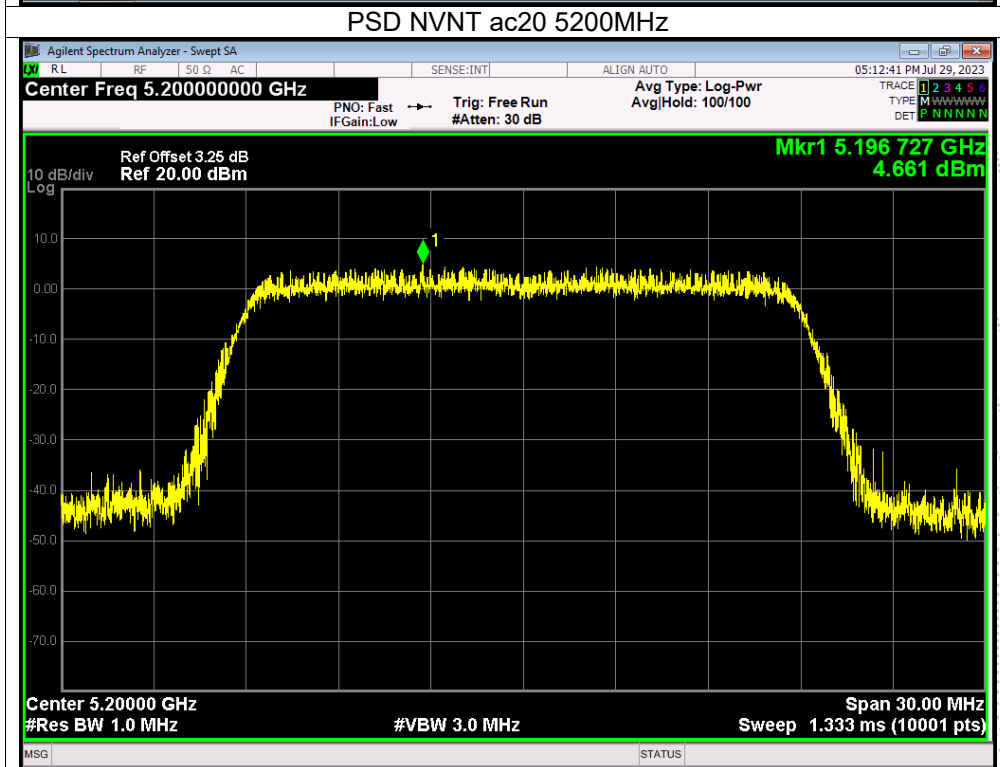
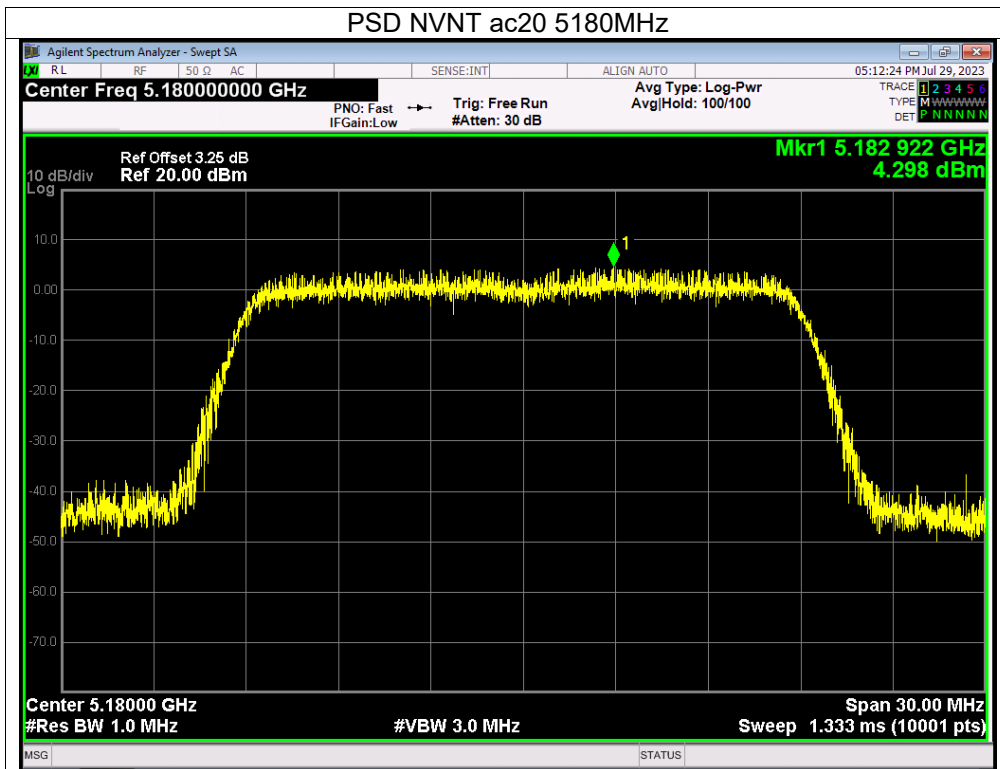
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

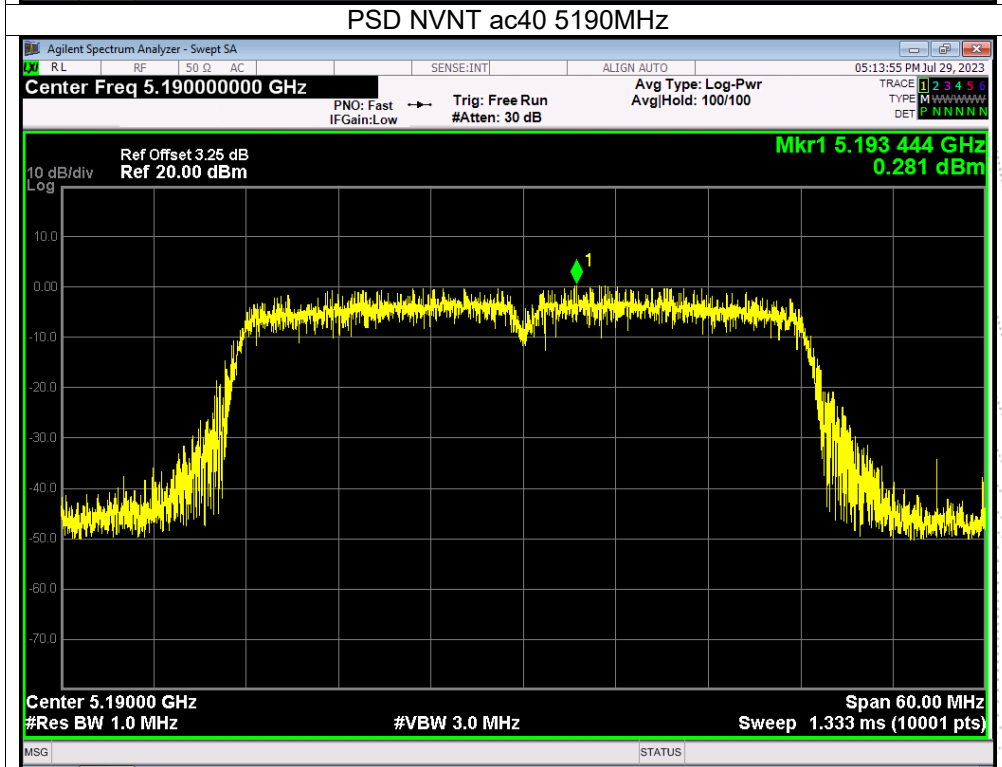
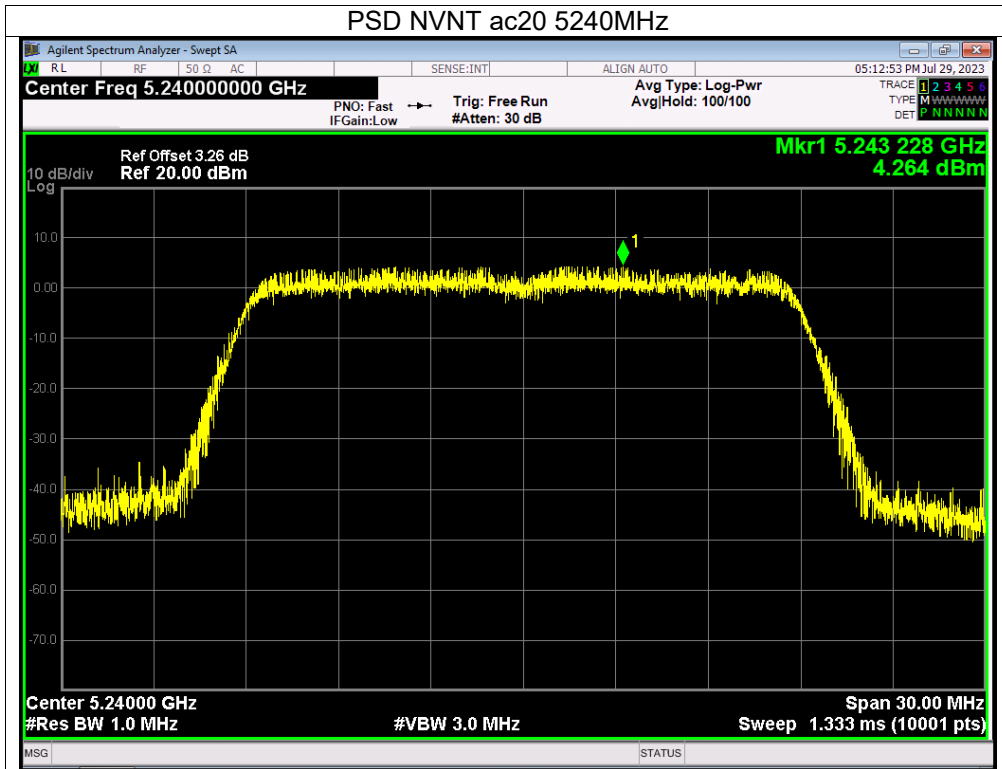


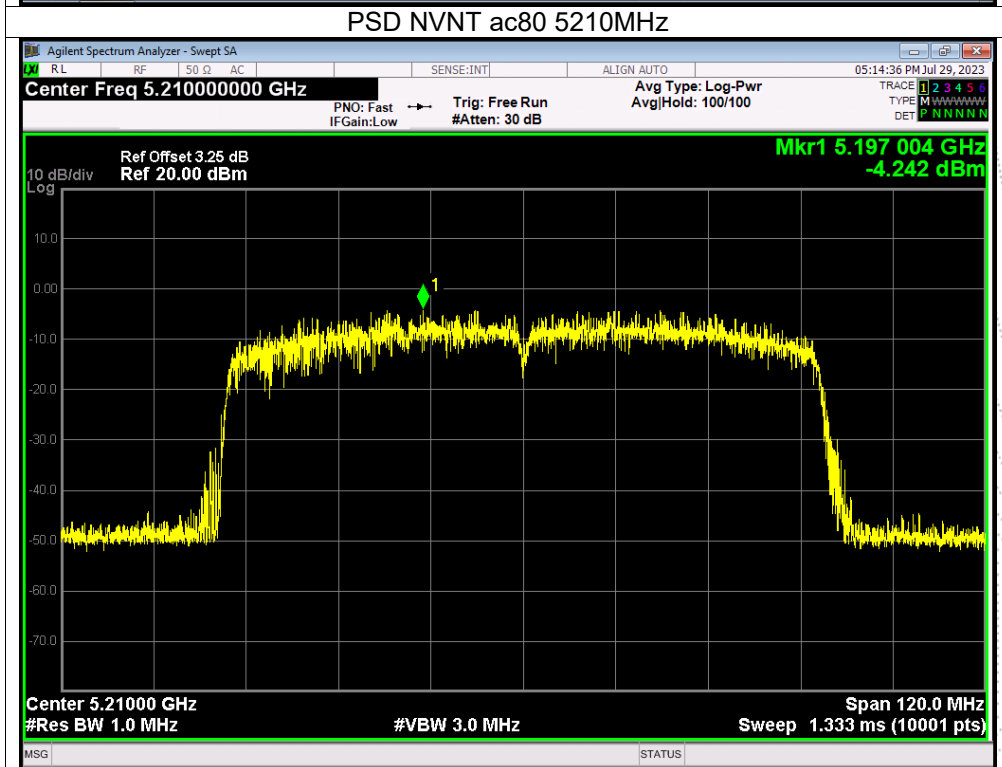
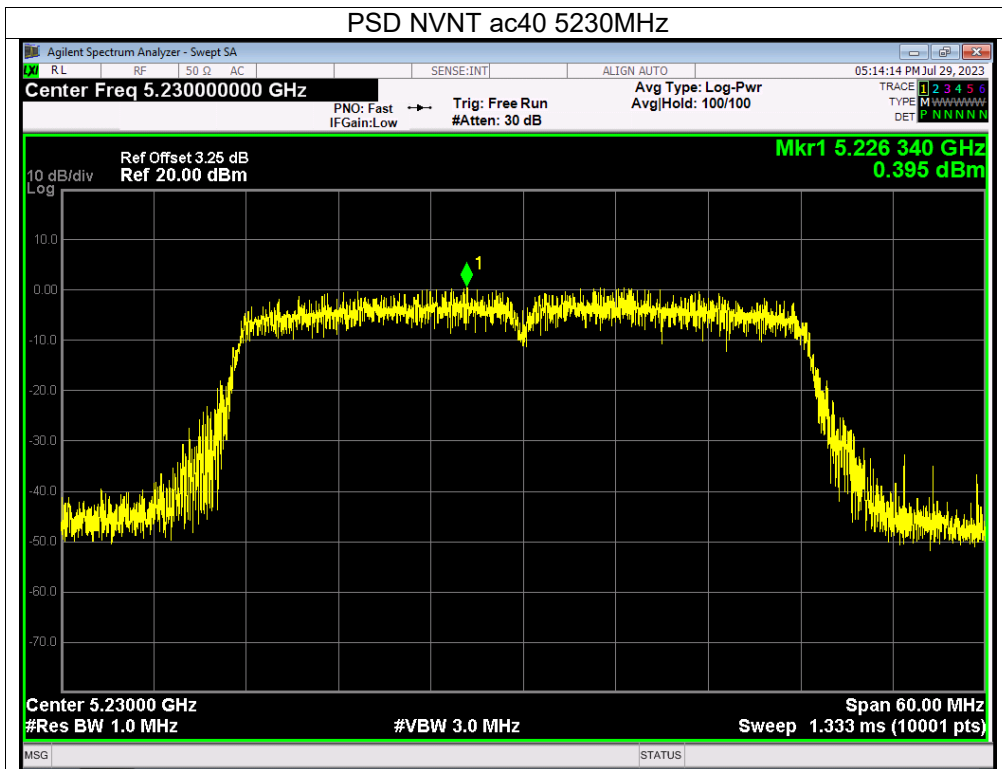






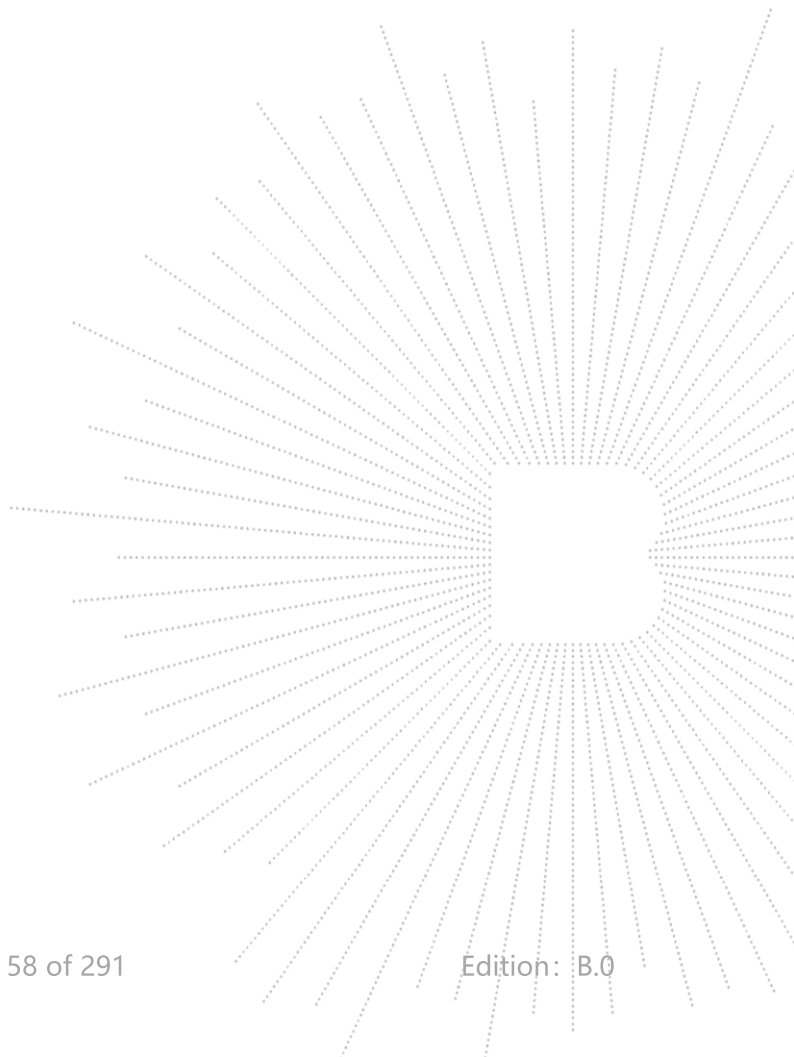




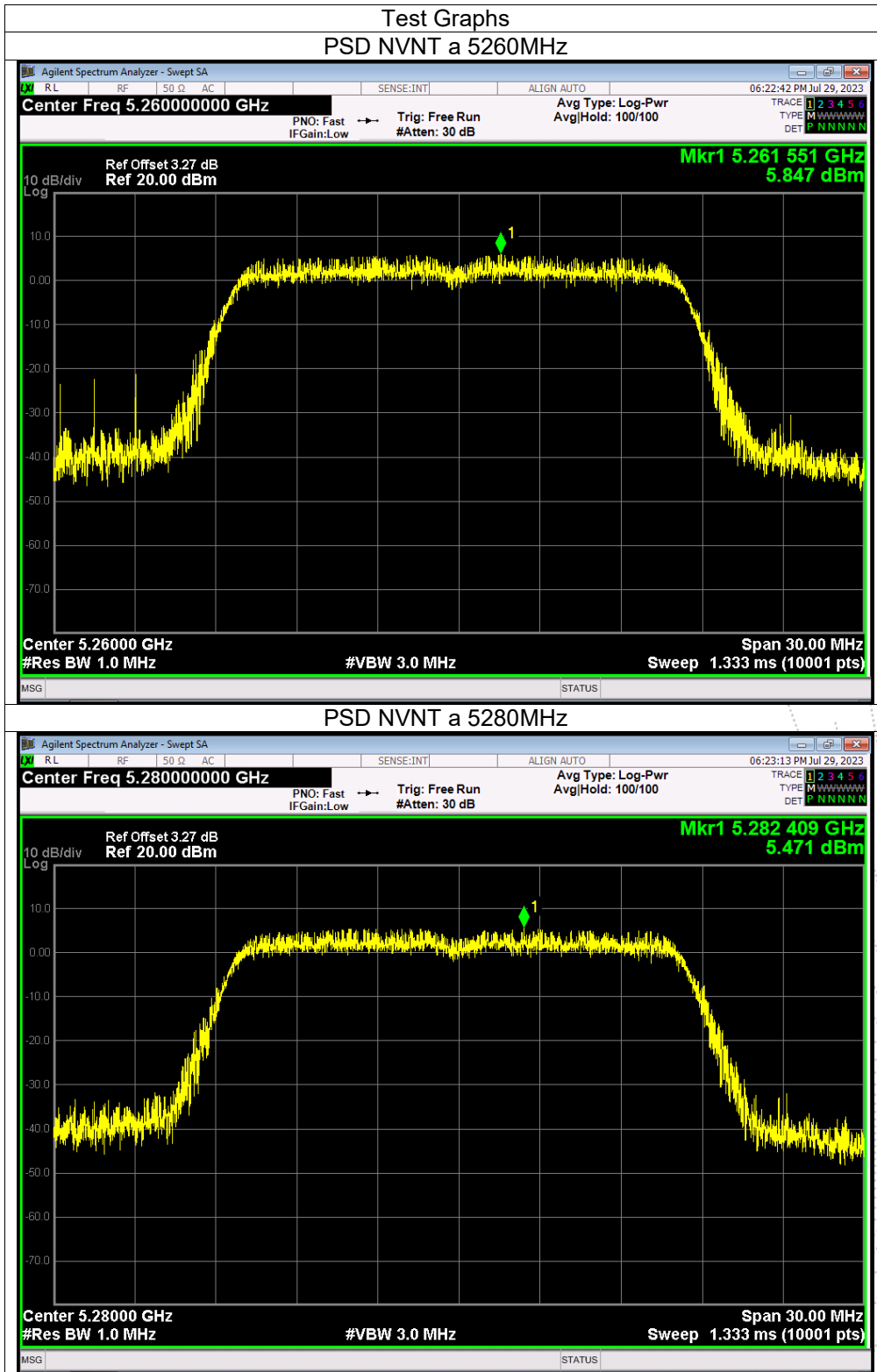


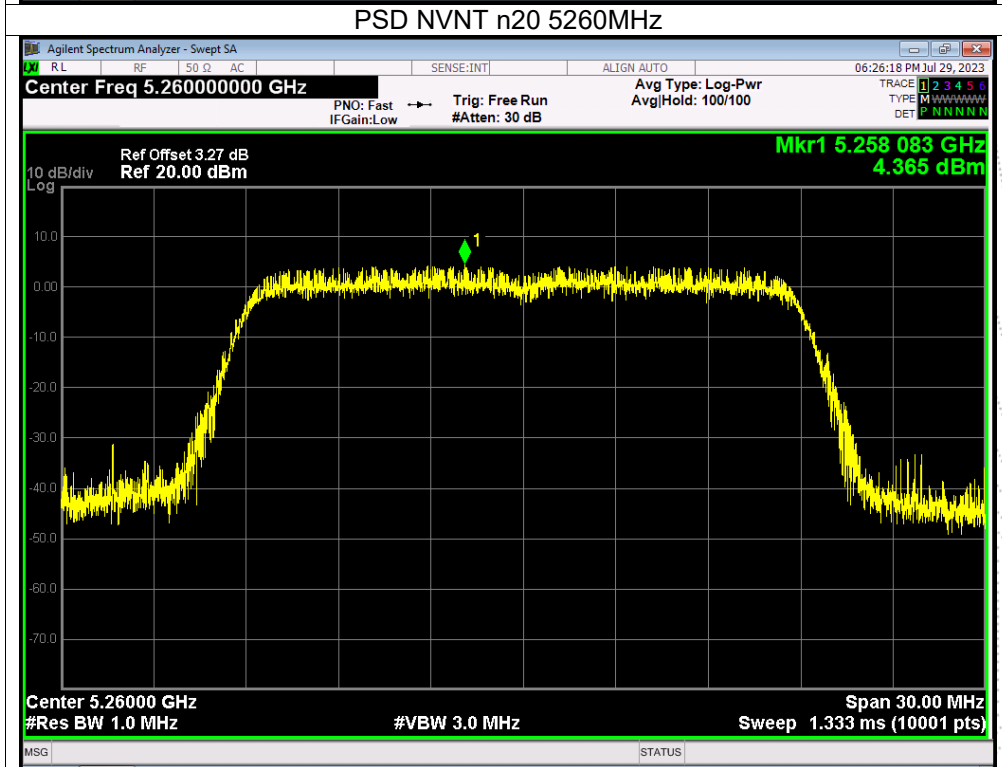
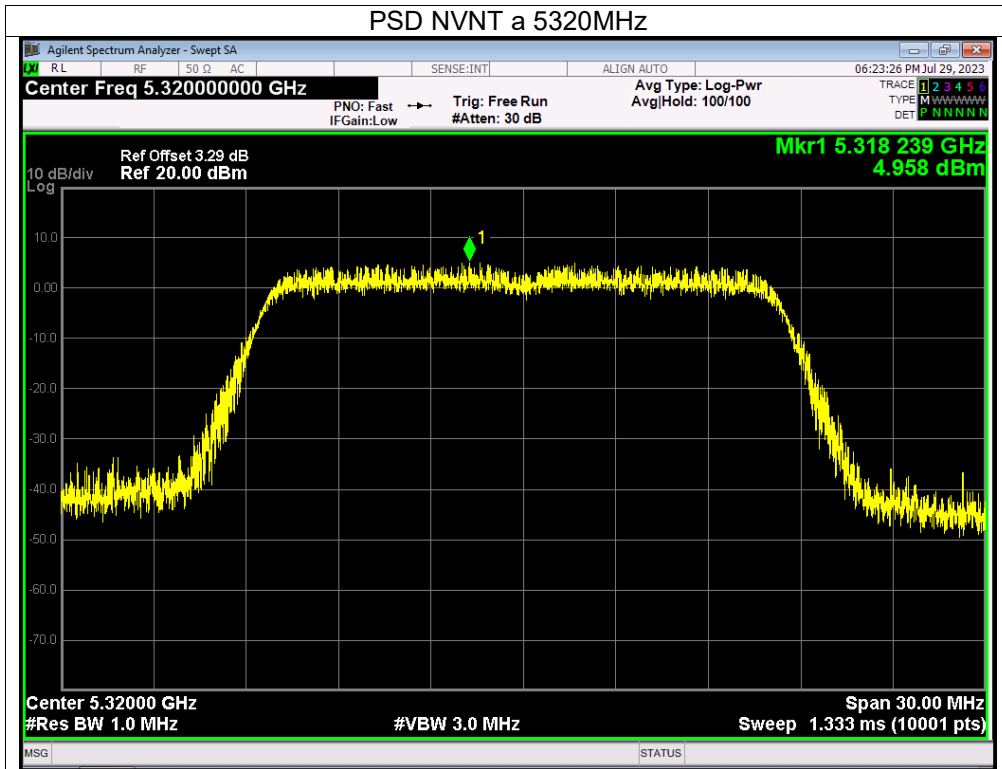
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Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5260-5320MHz)		

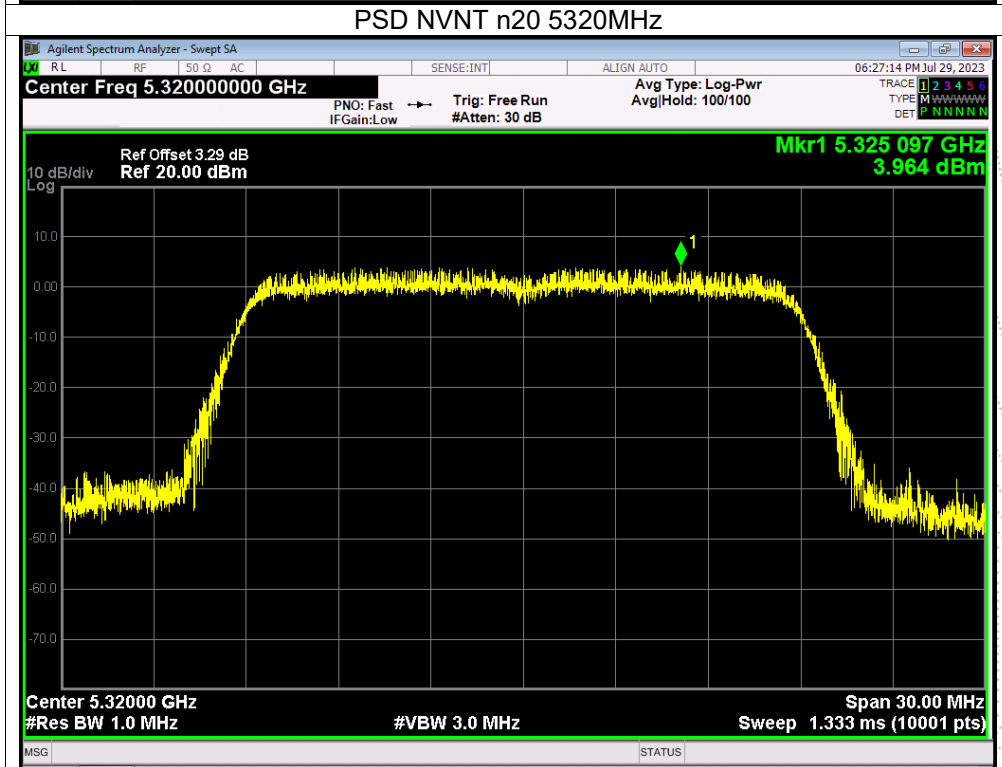
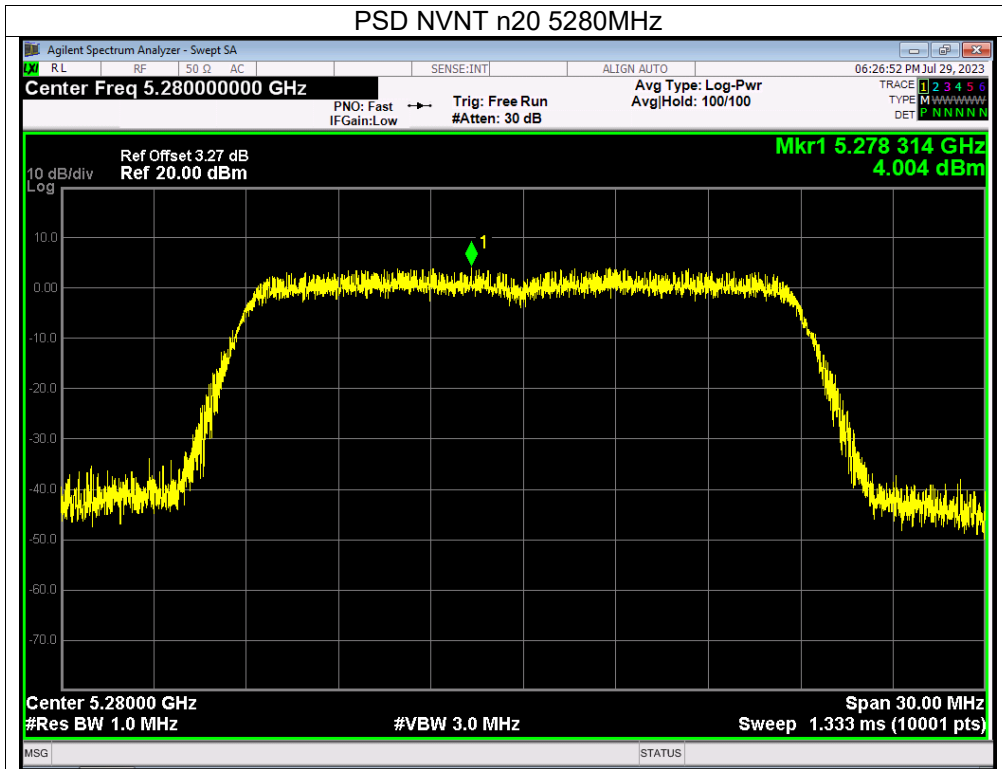
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5260	5.85	3.43	/	11	Pass
NVNT	a	5280	5.47	3.39	/	11	Pass
NVNT	a	5320	4.96	3.04	/	11	Pass
NVNT	n20	5260	4.37	2.3	6.47	11	Pass
NVNT	n20	5280	4	1.68	6.00	11	Pass
NVNT	n20	5320	3.96	1.71	5.99	11	Pass
NVNT	n40	5270	0.65	-0.64	3.06	11	Pass
NVNT	n40	5310	0	0.04	3.03	11	Pass
NVNT	ac20	5260	4.15	1.67	6.09	11	Pass
NVNT	ac20	5280	3.53	1.73	5.73	11	Pass
NVNT	ac20	5320	4.51	1.17	6.16	11	Pass
NVNT	ac40	5270	0.22	0.37	3.31	11	Pass
NVNT	ac40	5310	0.03	0.49	3.28	11	Pass
NVNT	ac80	5290	-4.53	-4.54	-1.52	11	Pass

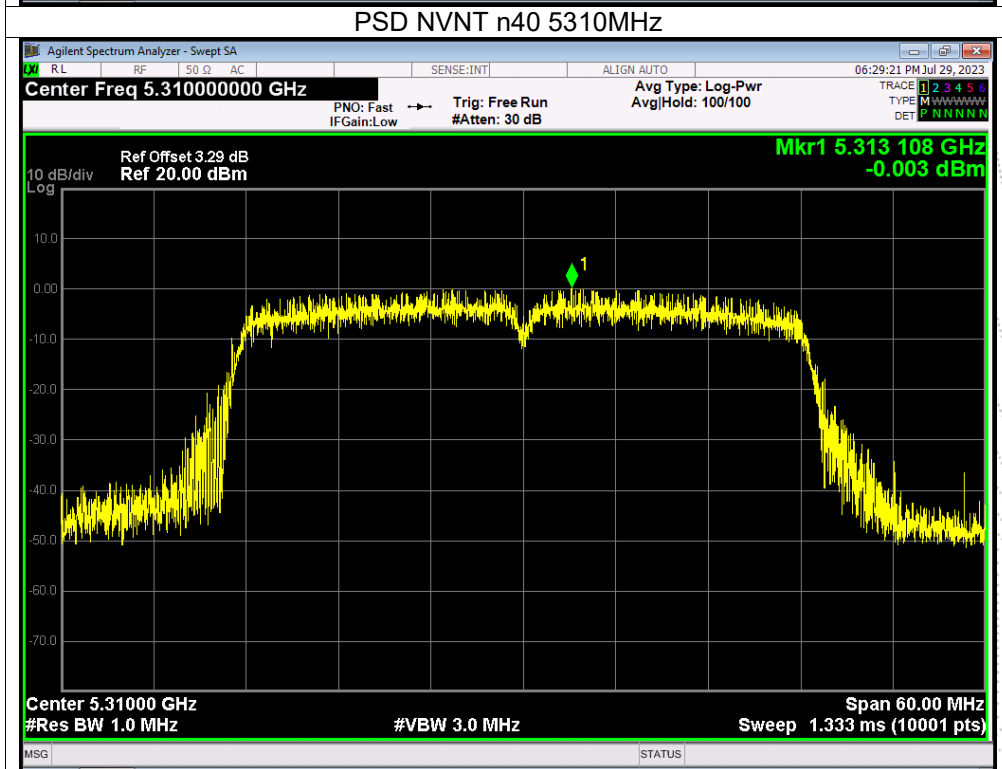
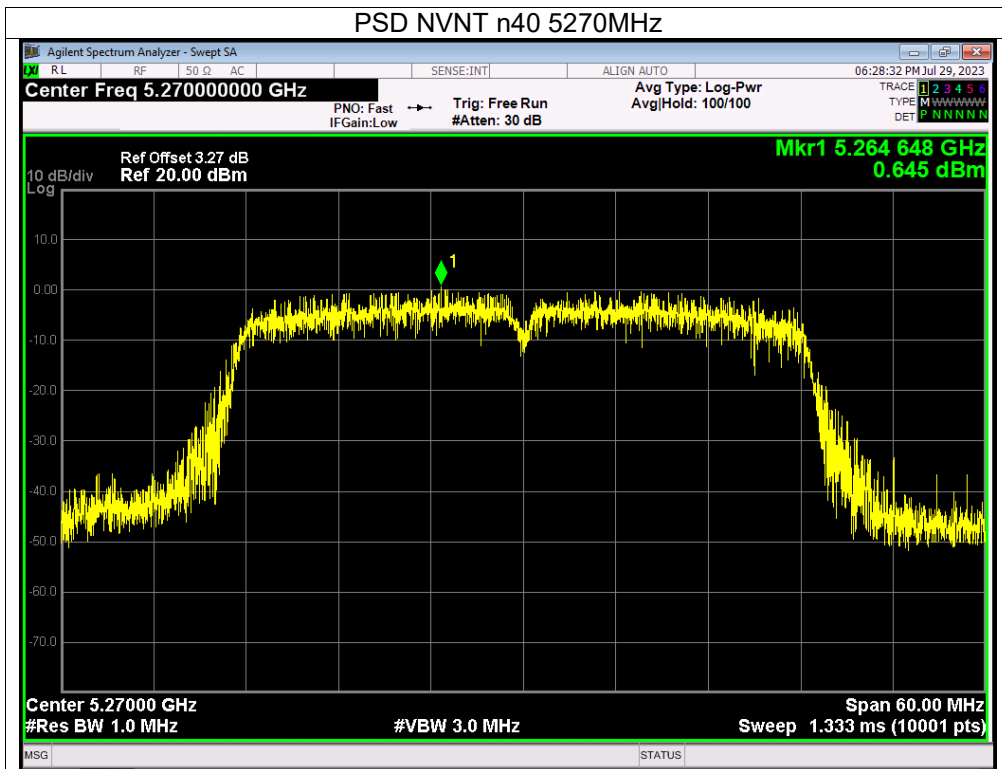


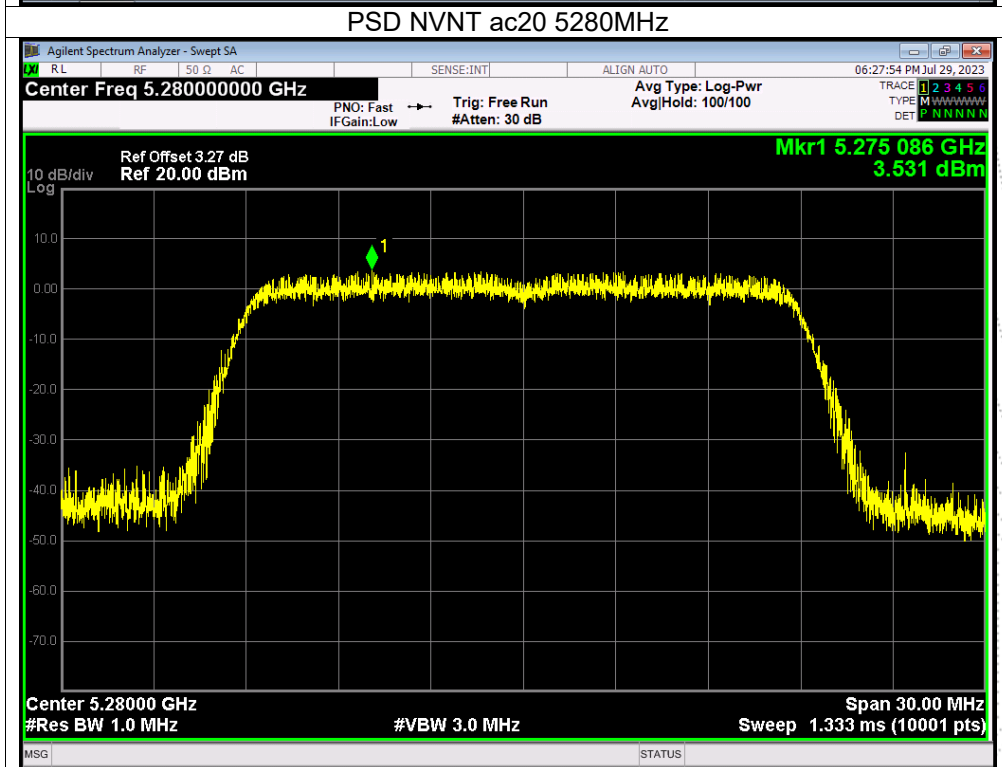
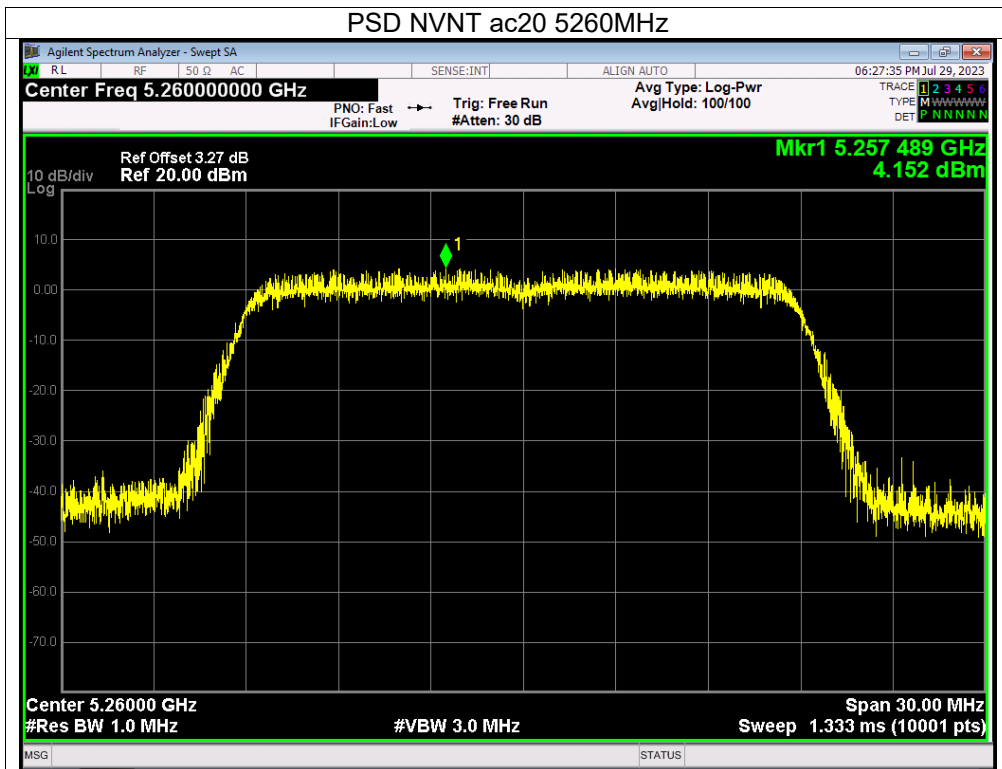
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

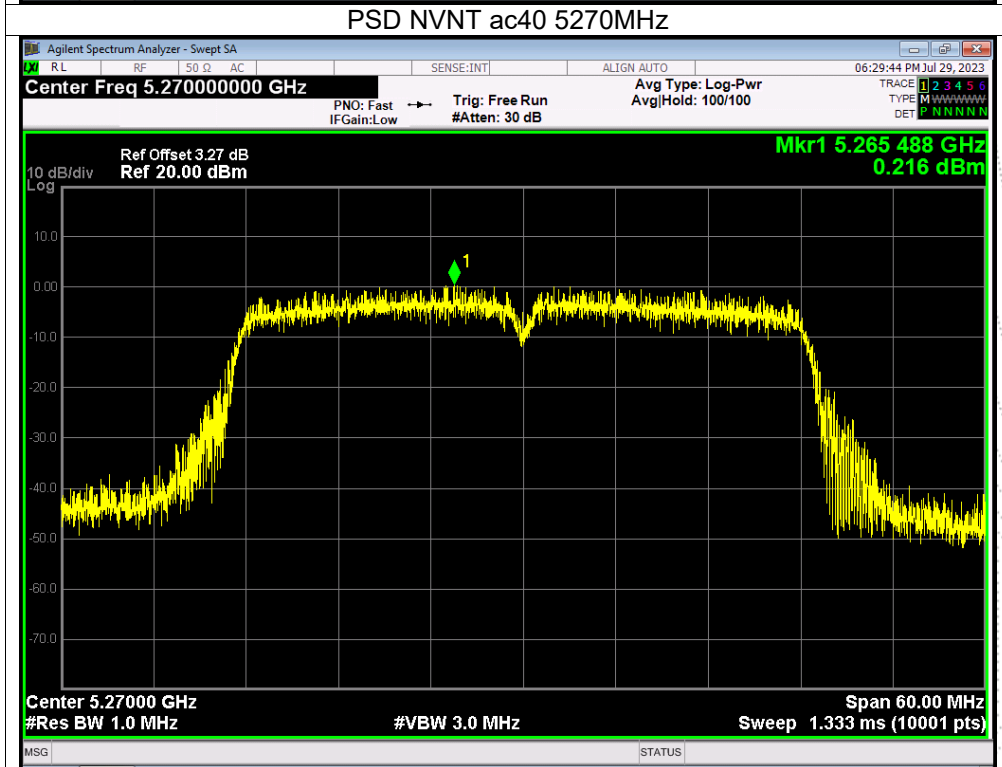
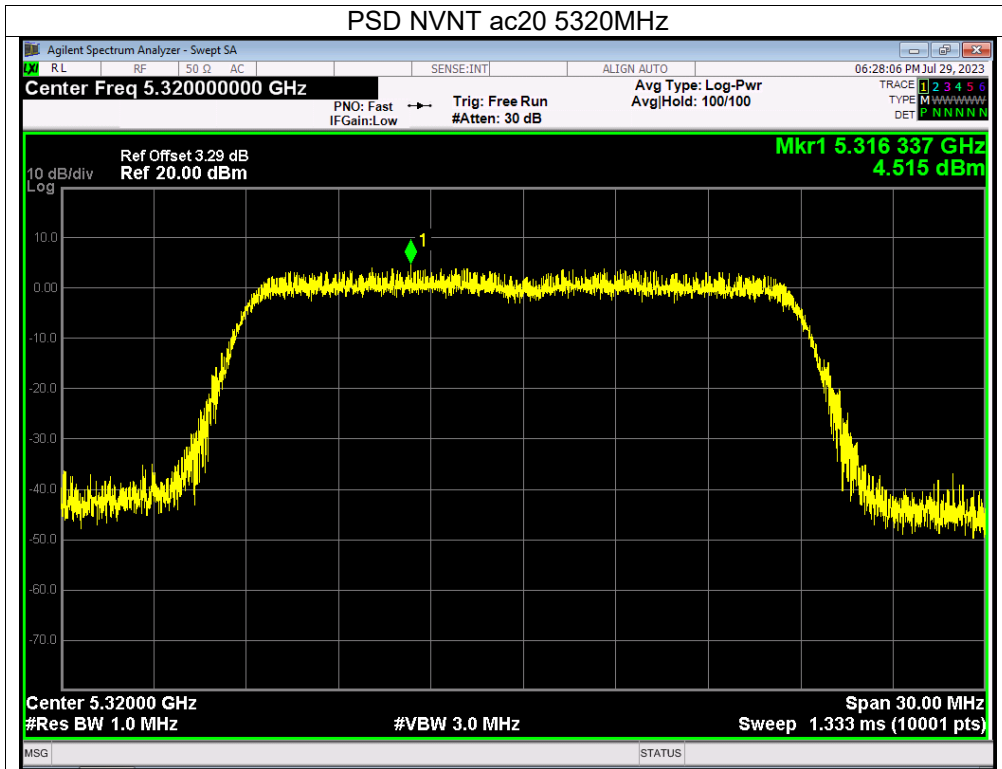


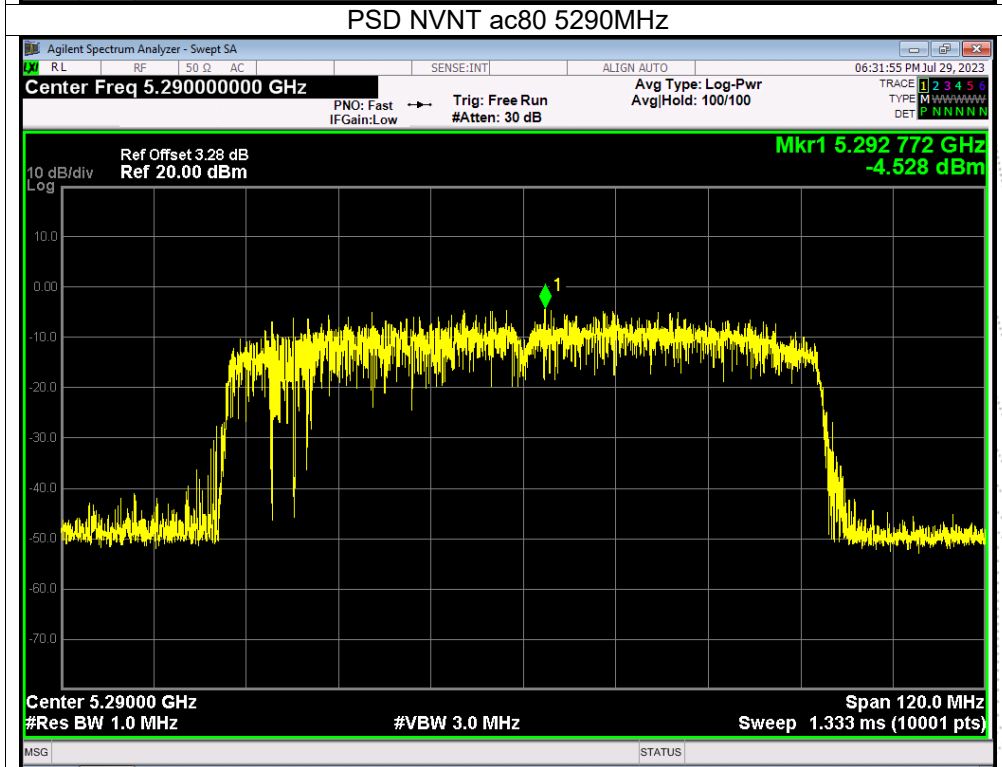
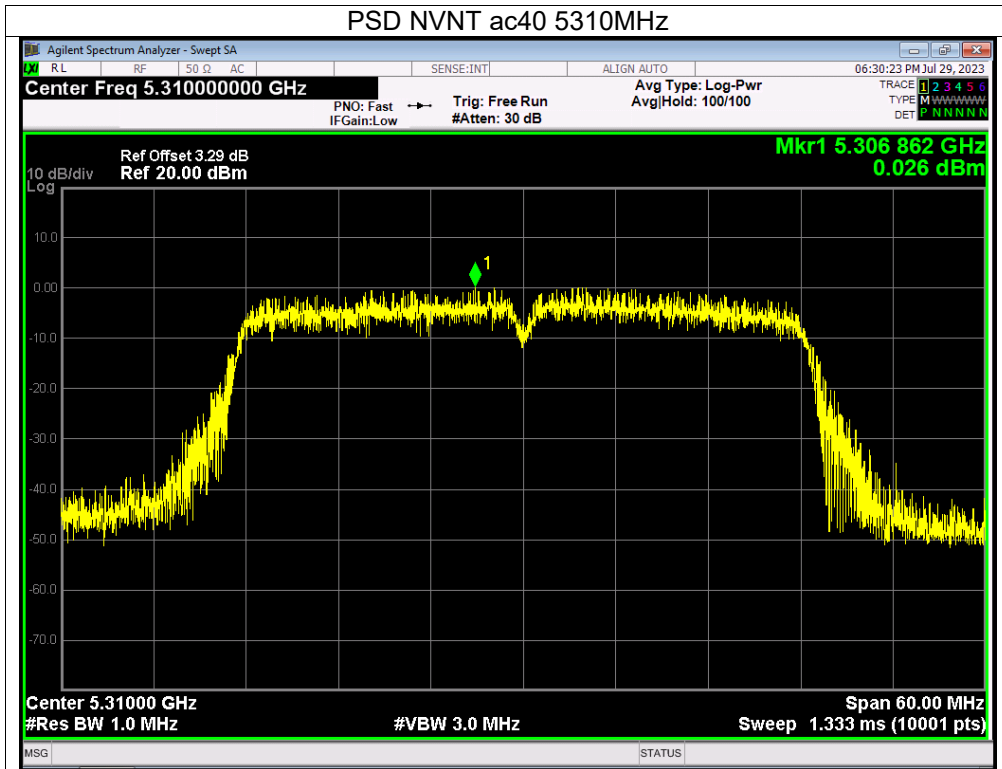






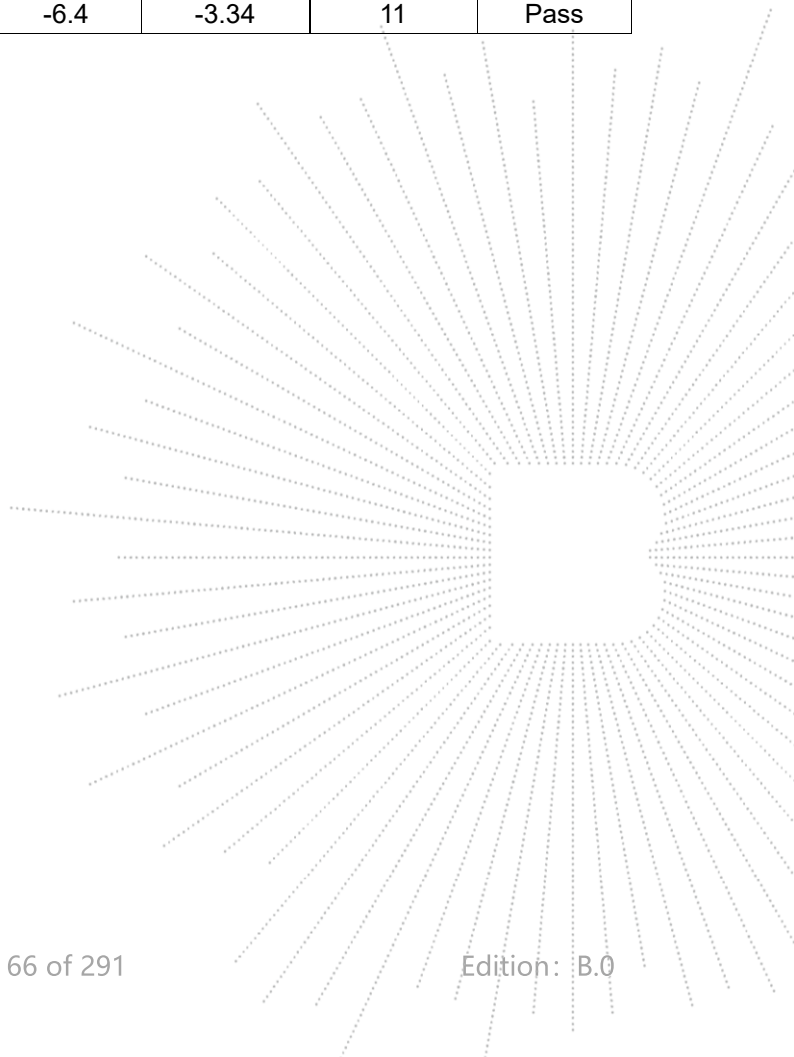




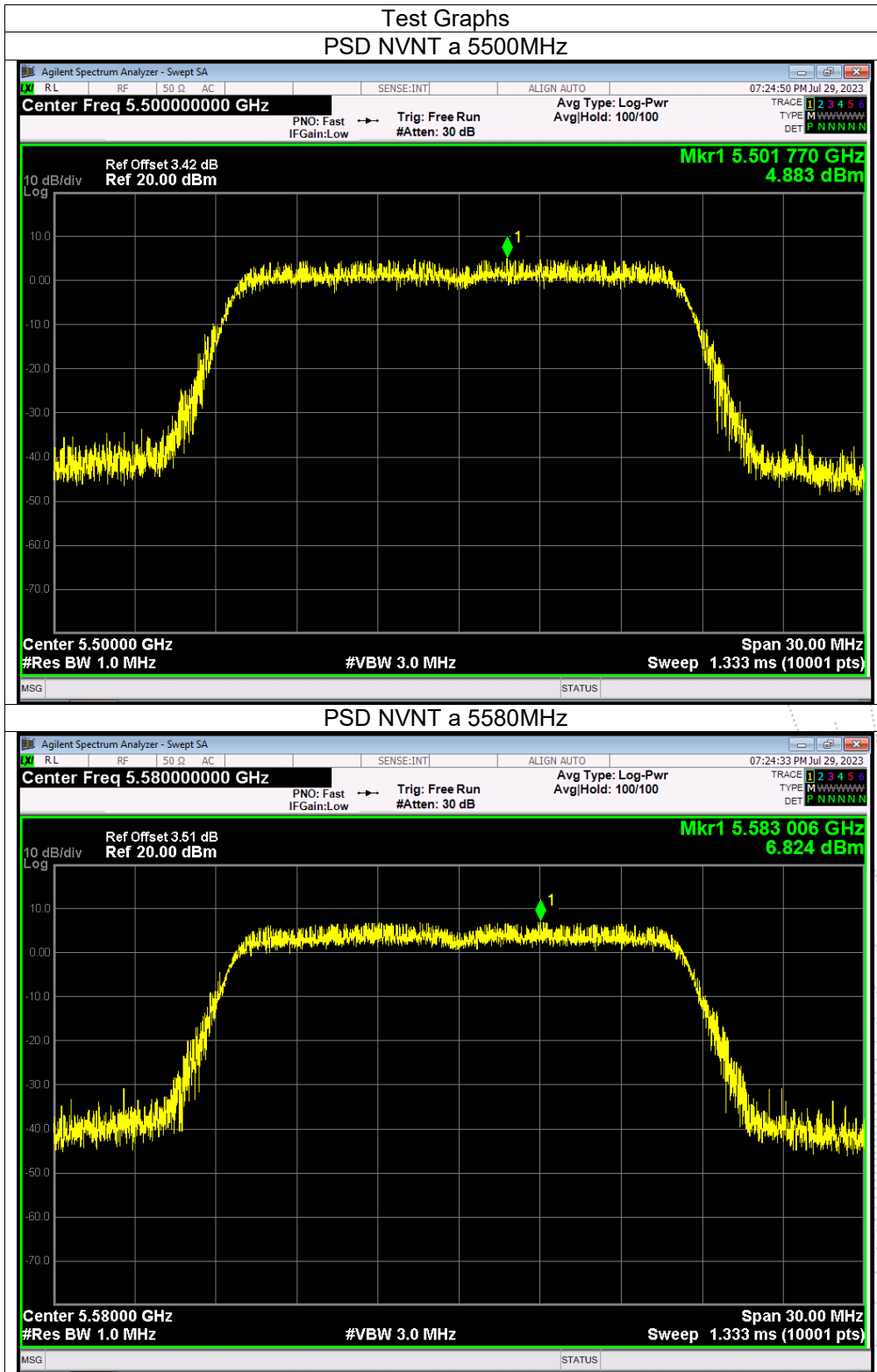


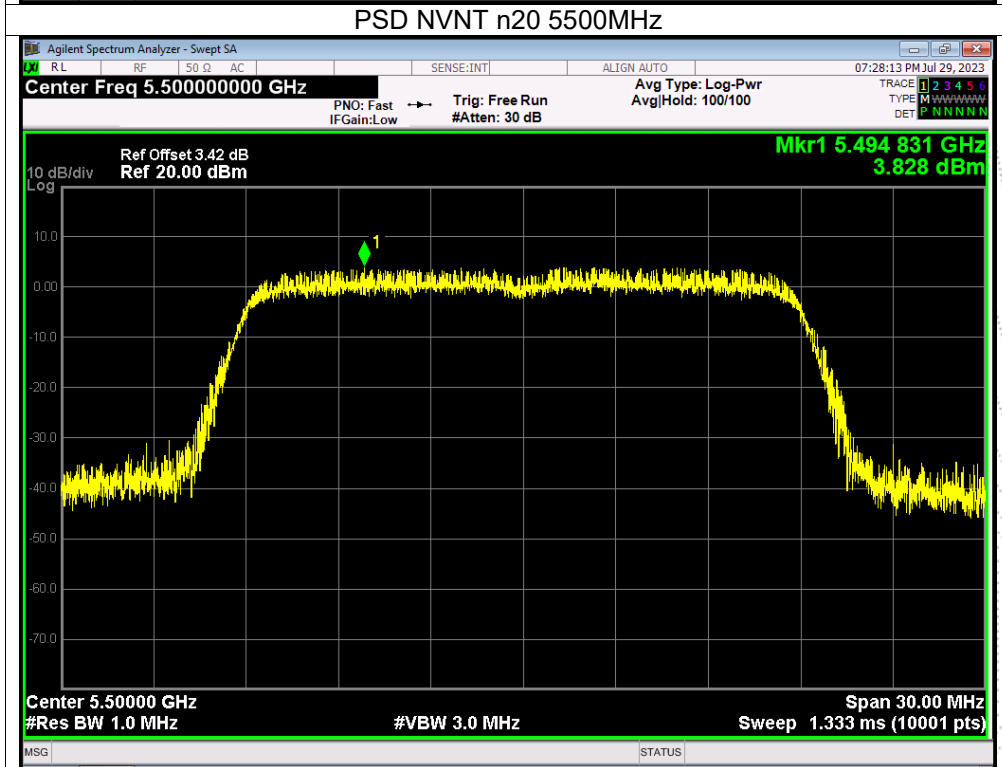
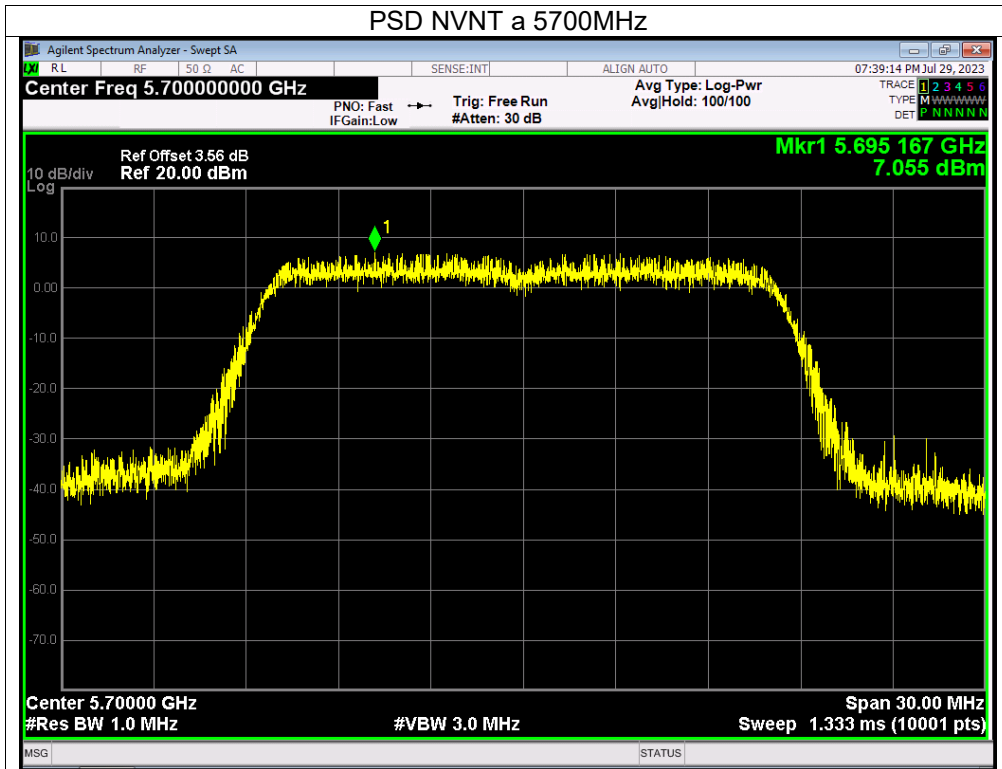
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5500-5700MHz)		

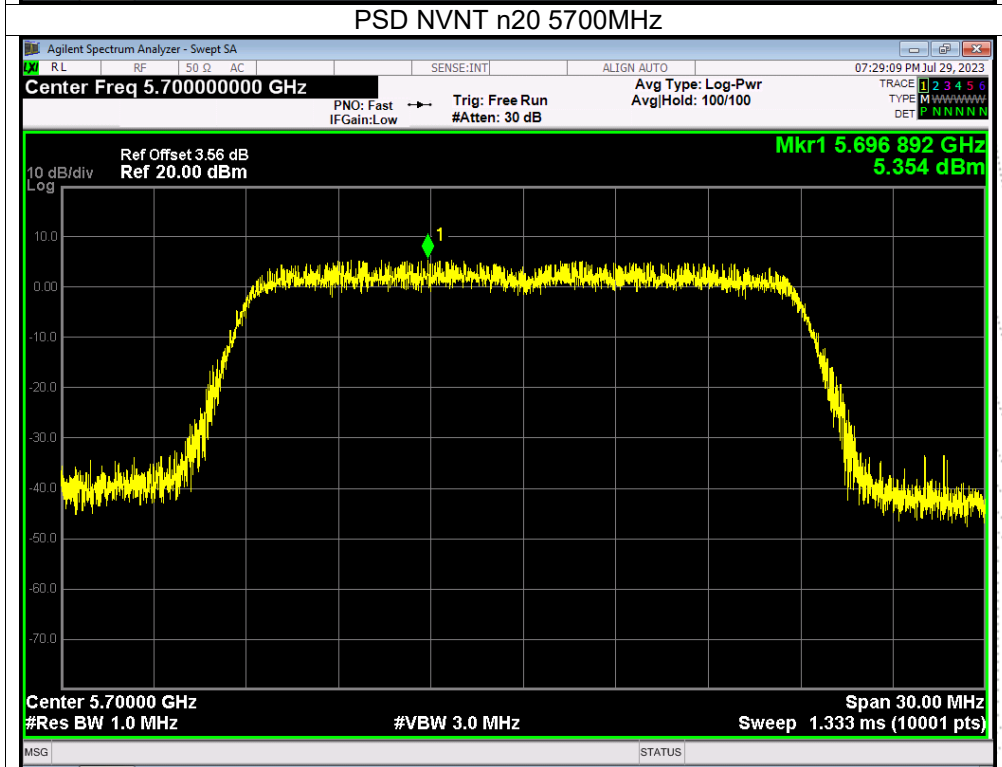
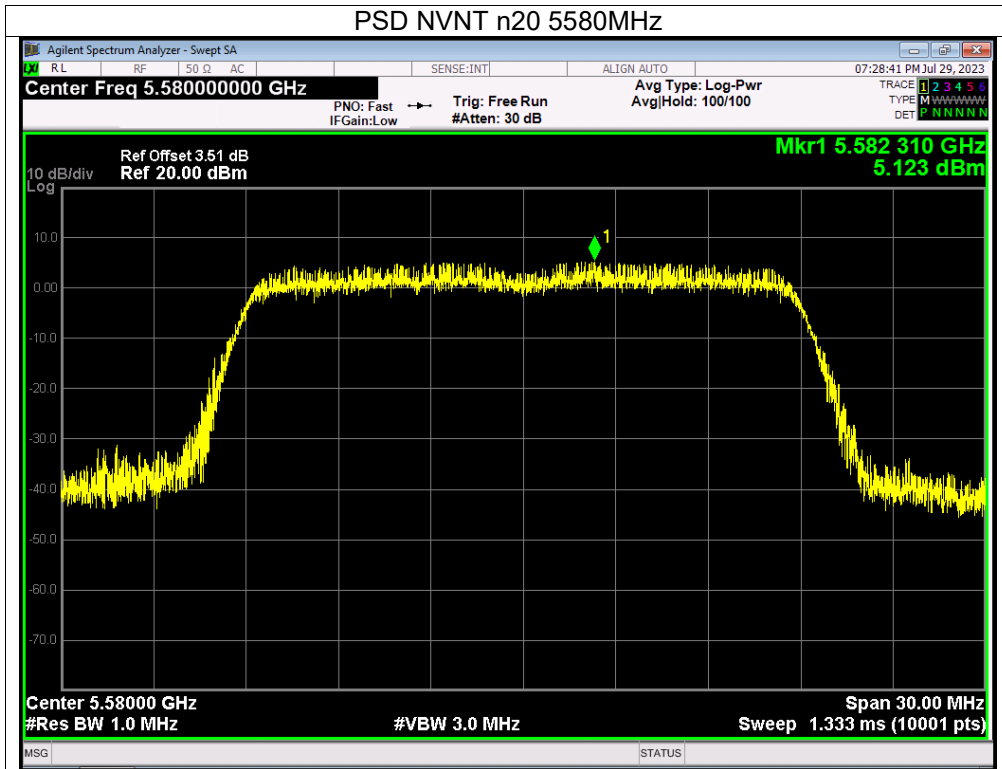
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)		Total (dBm/MHz)	Limit (dBm/MHz)	Verdict
			Ant A	Ant B			
NVNT	a	5500	4.88	2.19	/	11	Pass
NVNT	a	5580	6.82	2.71	/	11	Pass
NVNT	a	5700	7.06	3.15	/	11	Pass
NVNT	n20	5500	3.83	0.52	5.49	11	Pass
NVNT	n20	5580	5.12	1.6	6.72	11	Pass
NVNT	n20	5700	5.35	3.39	7.49	11	Pass
NVNT	n40	5510	-2.17	-2.34	0.76	11	Pass
NVNT	n40	5590	2.73	-1.43	4.14	11	Pass
NVNT	n40	5670	0.27	-0.15	3.08	11	Pass
NVNT	ac20	5500	3.82	0.18	5.38	11	Pass
NVNT	ac20	5580	4.1	0.94	5.81	11	Pass
NVNT	ac20	5700	4.55	3.11	6.90	11	Pass
NVNT	ac40	5510	-3.68	-1.77	0.39	11	Pass
NVNT	ac40	5590	-1.41	-1.04	1.79	11	Pass
NVNT	ac40	5670	0.28	-0.17	3.07	11	Pass
NVNT	ac80	5530	-6.3	-6.4	-3.34	11	Pass

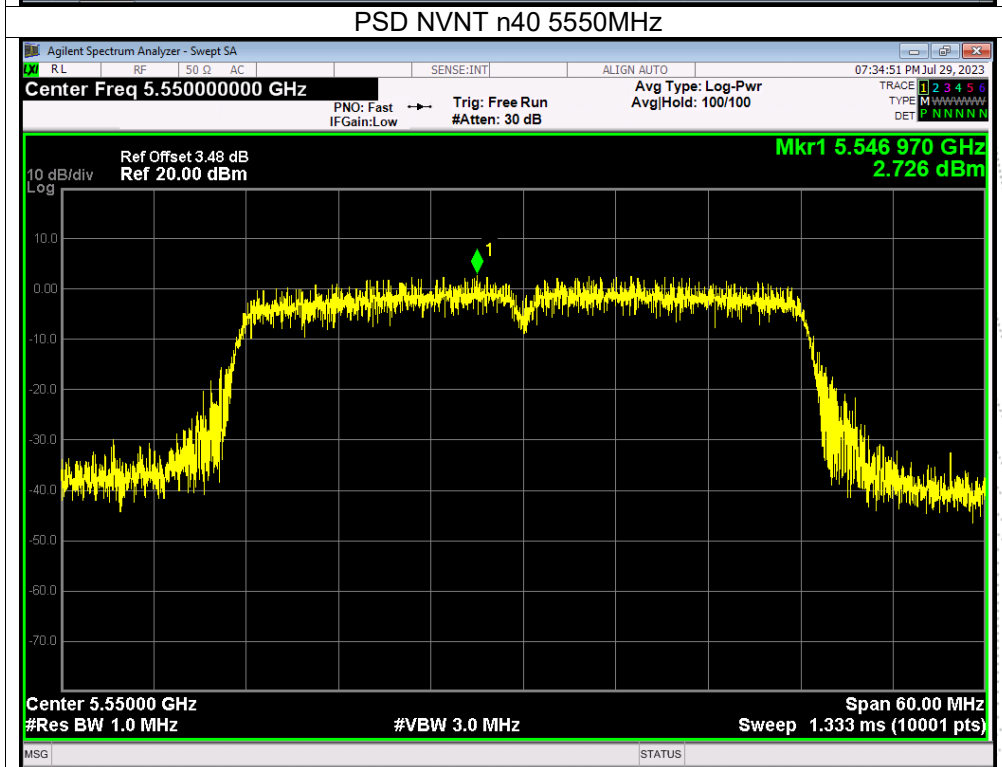
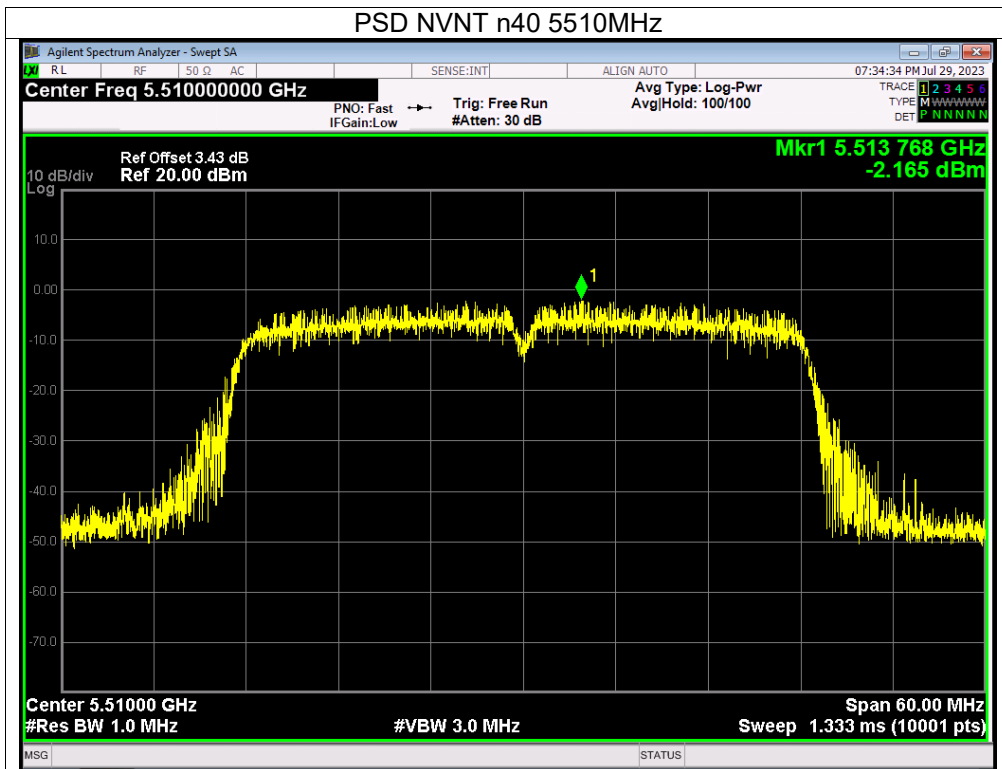


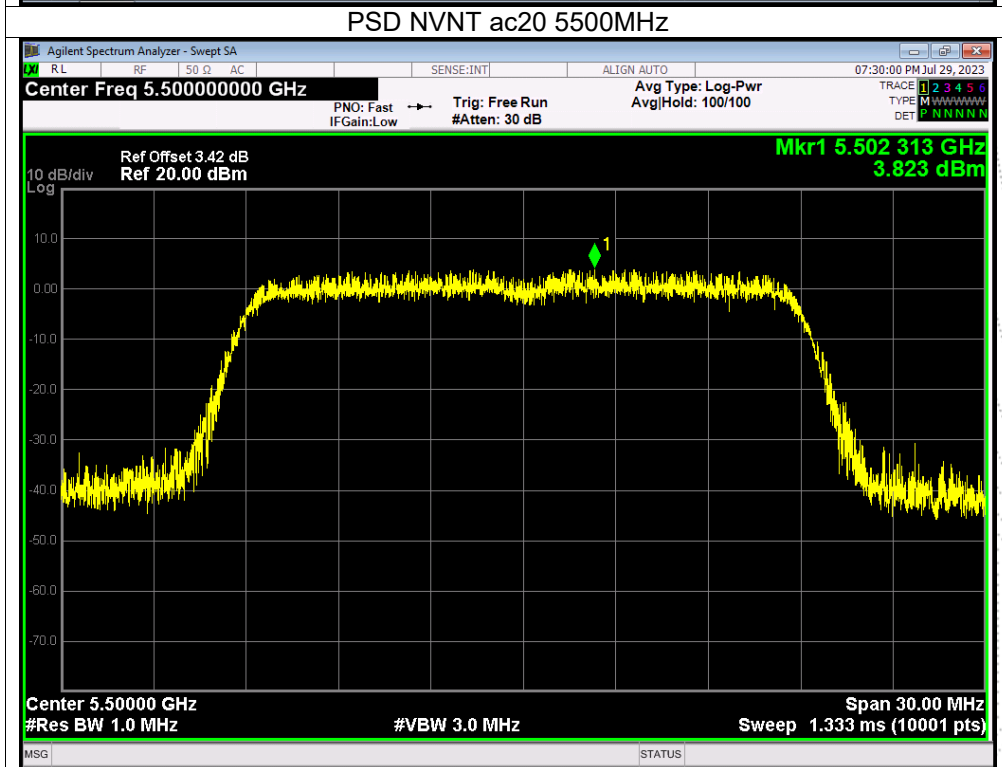
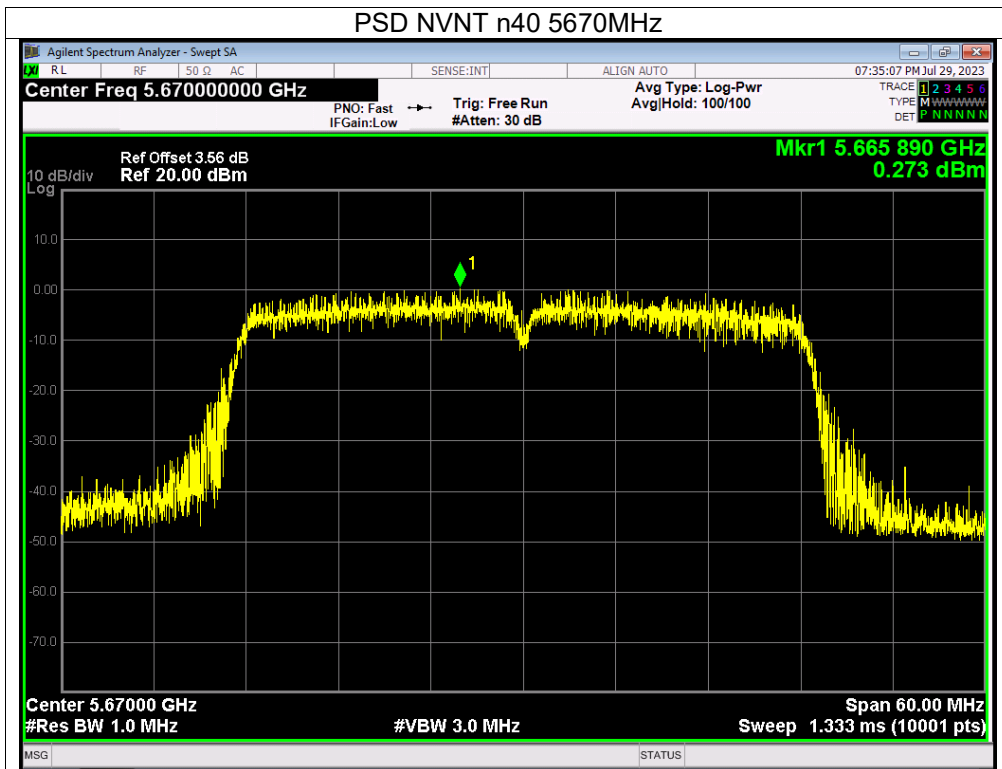
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot. Note:

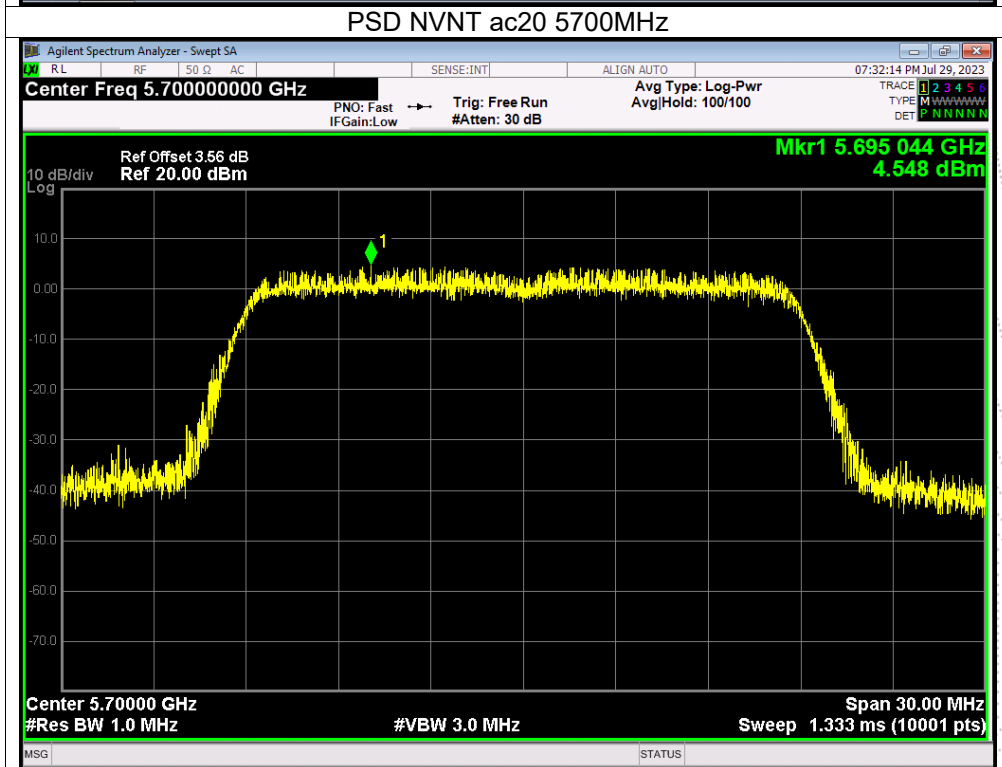
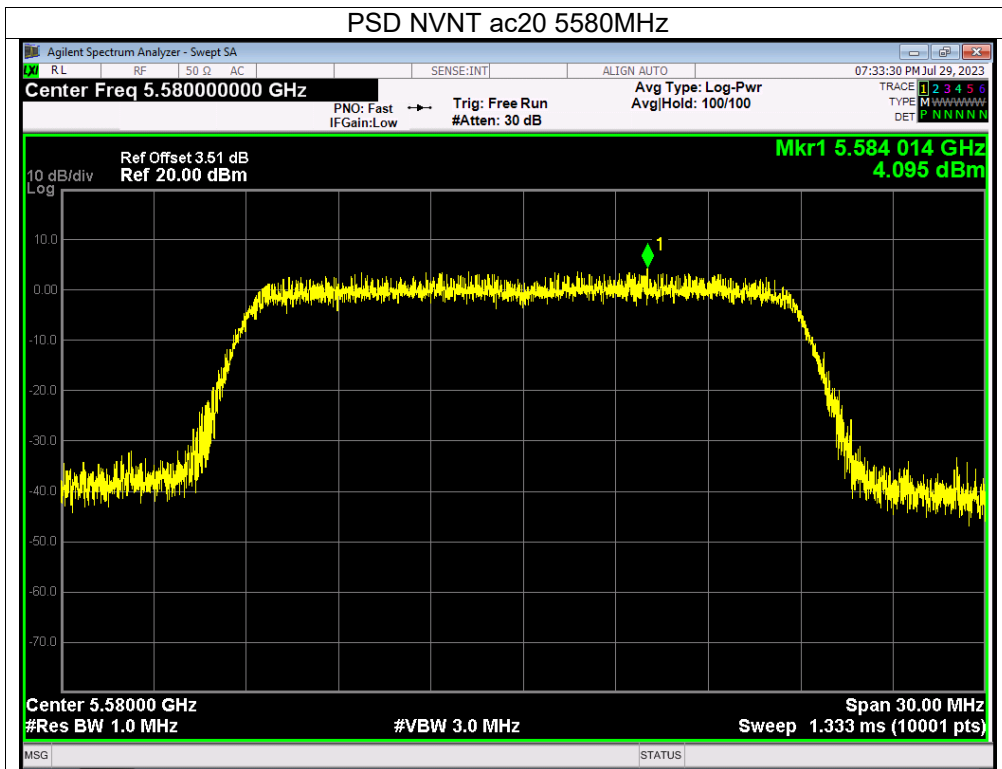


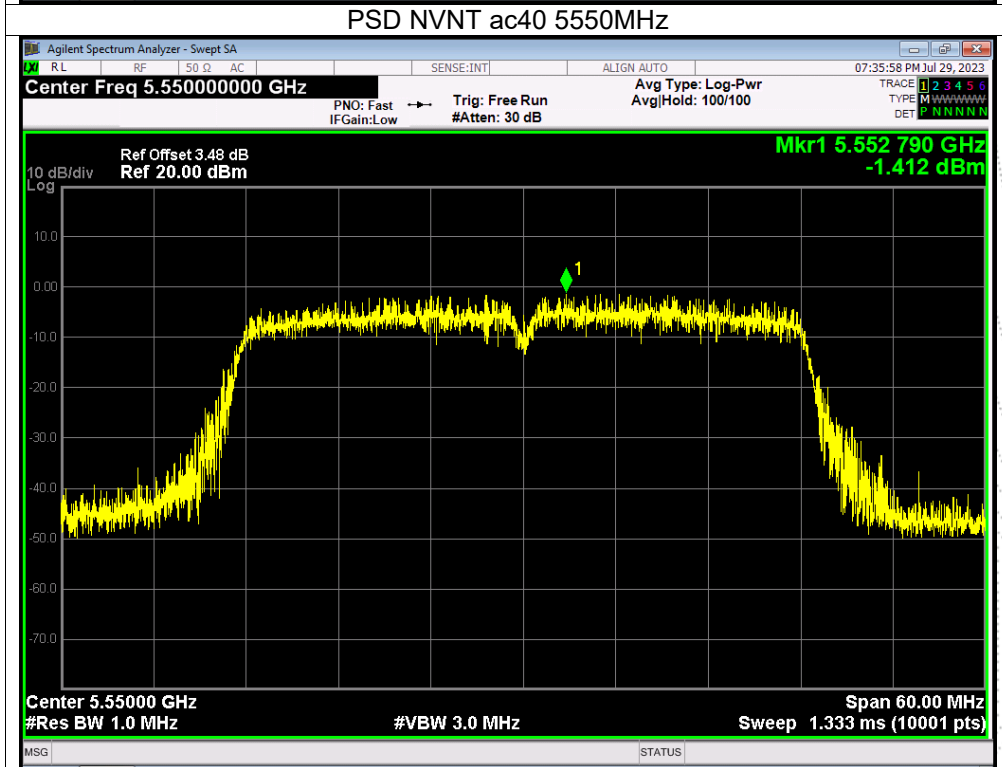
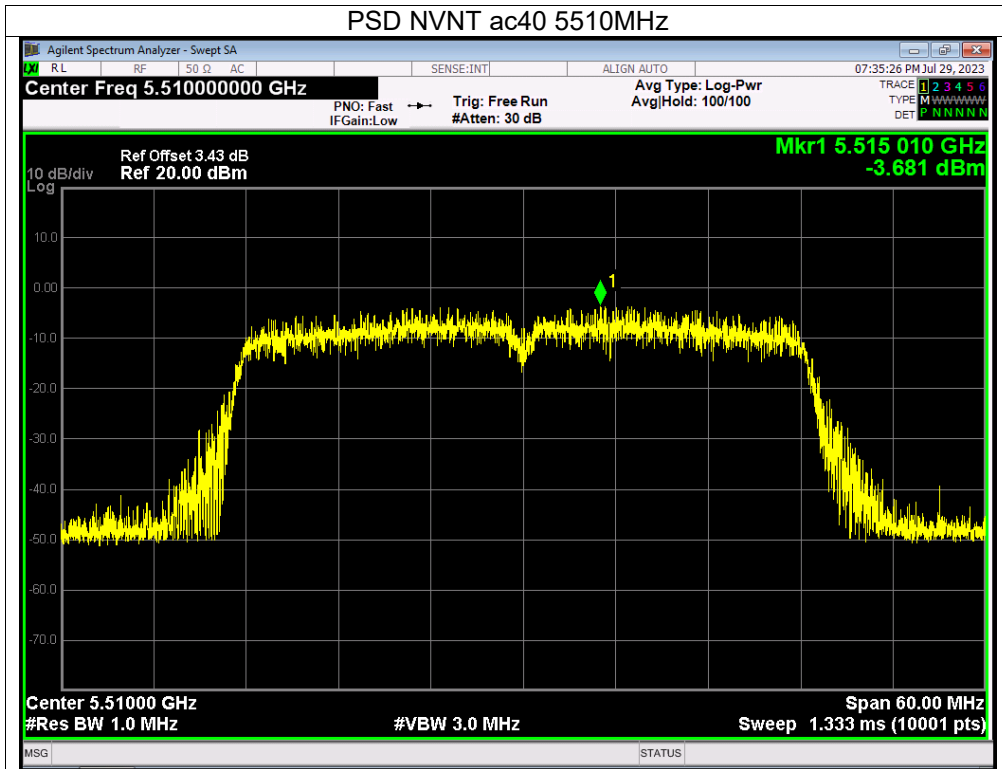


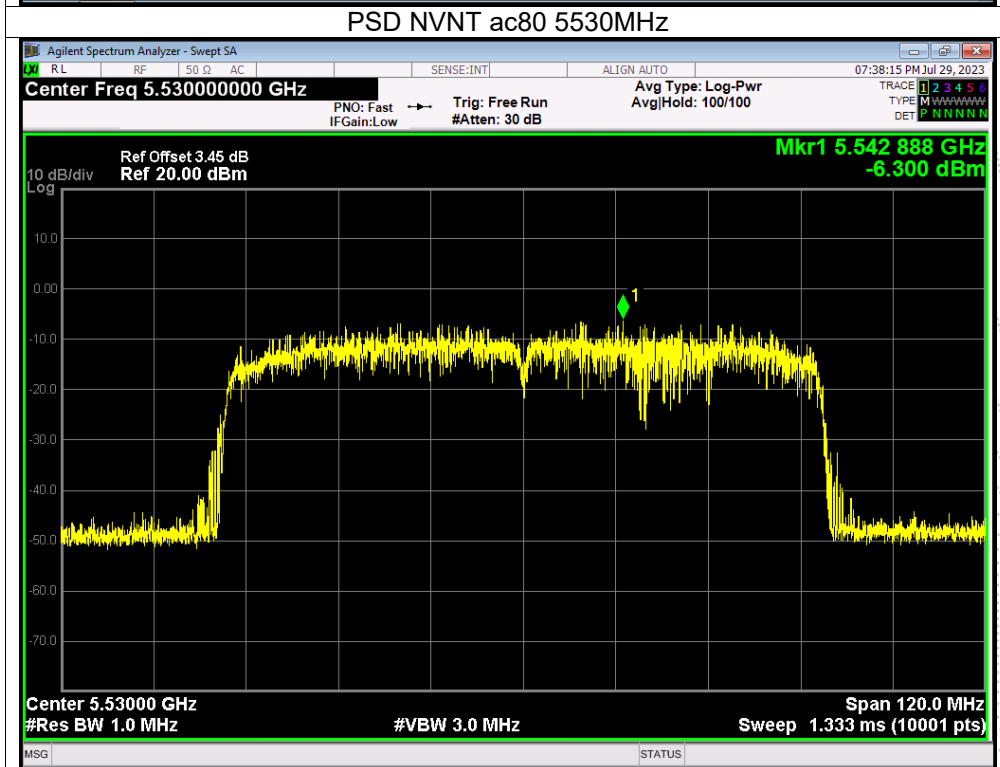
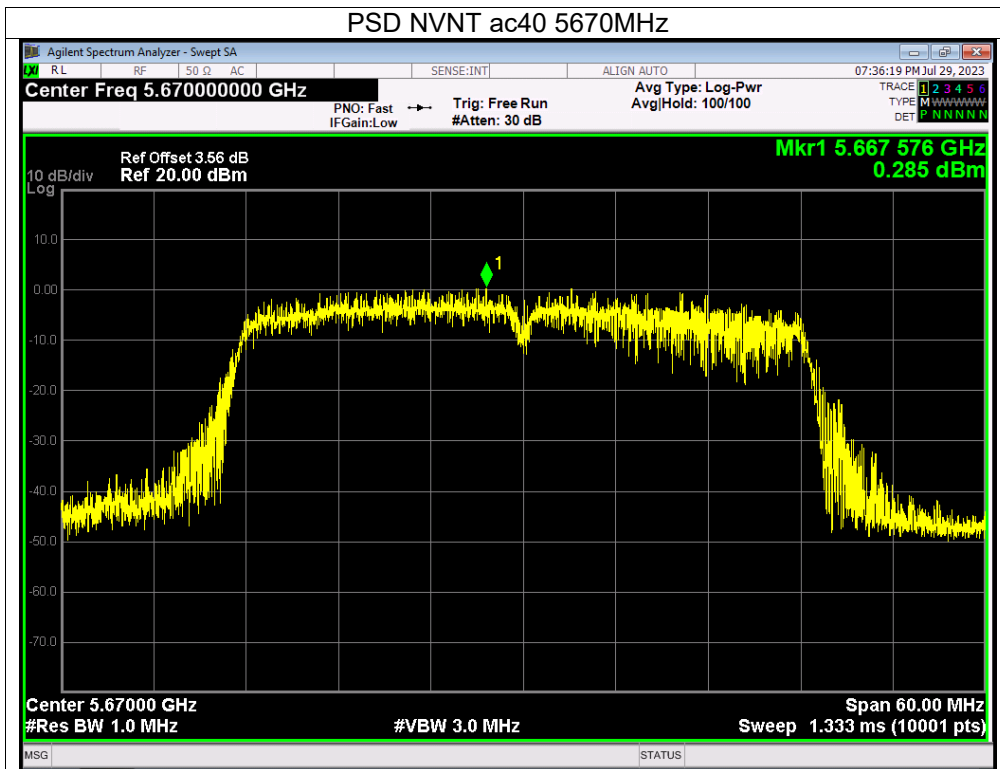






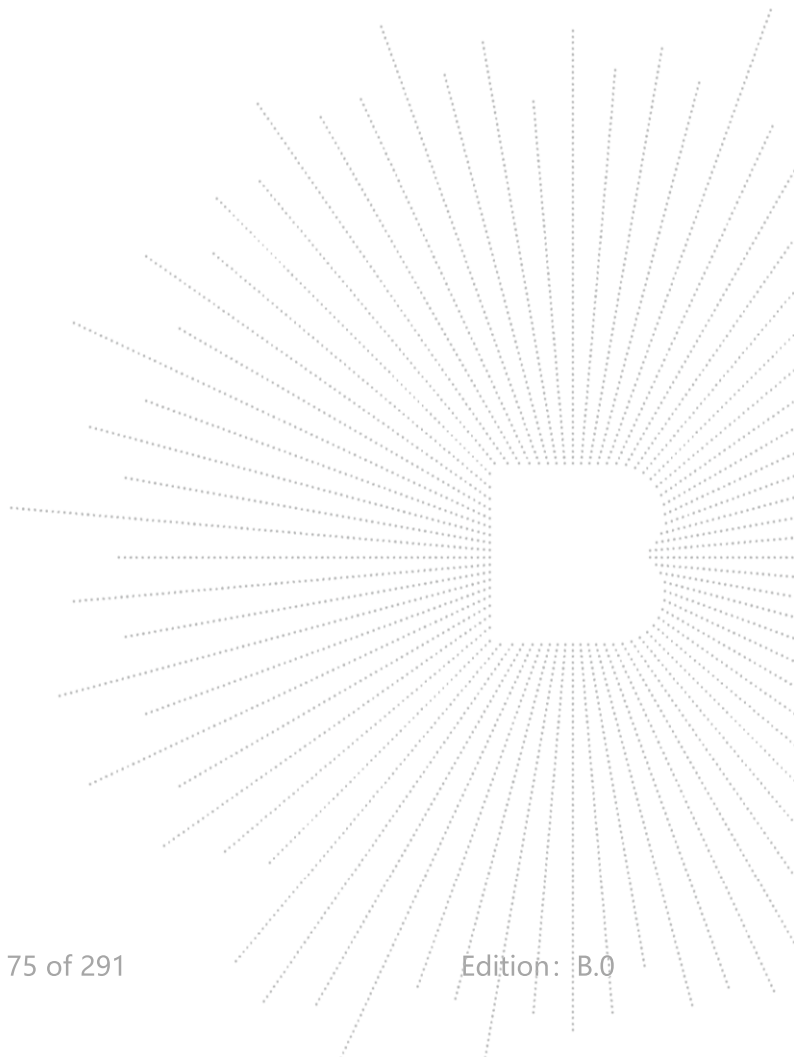




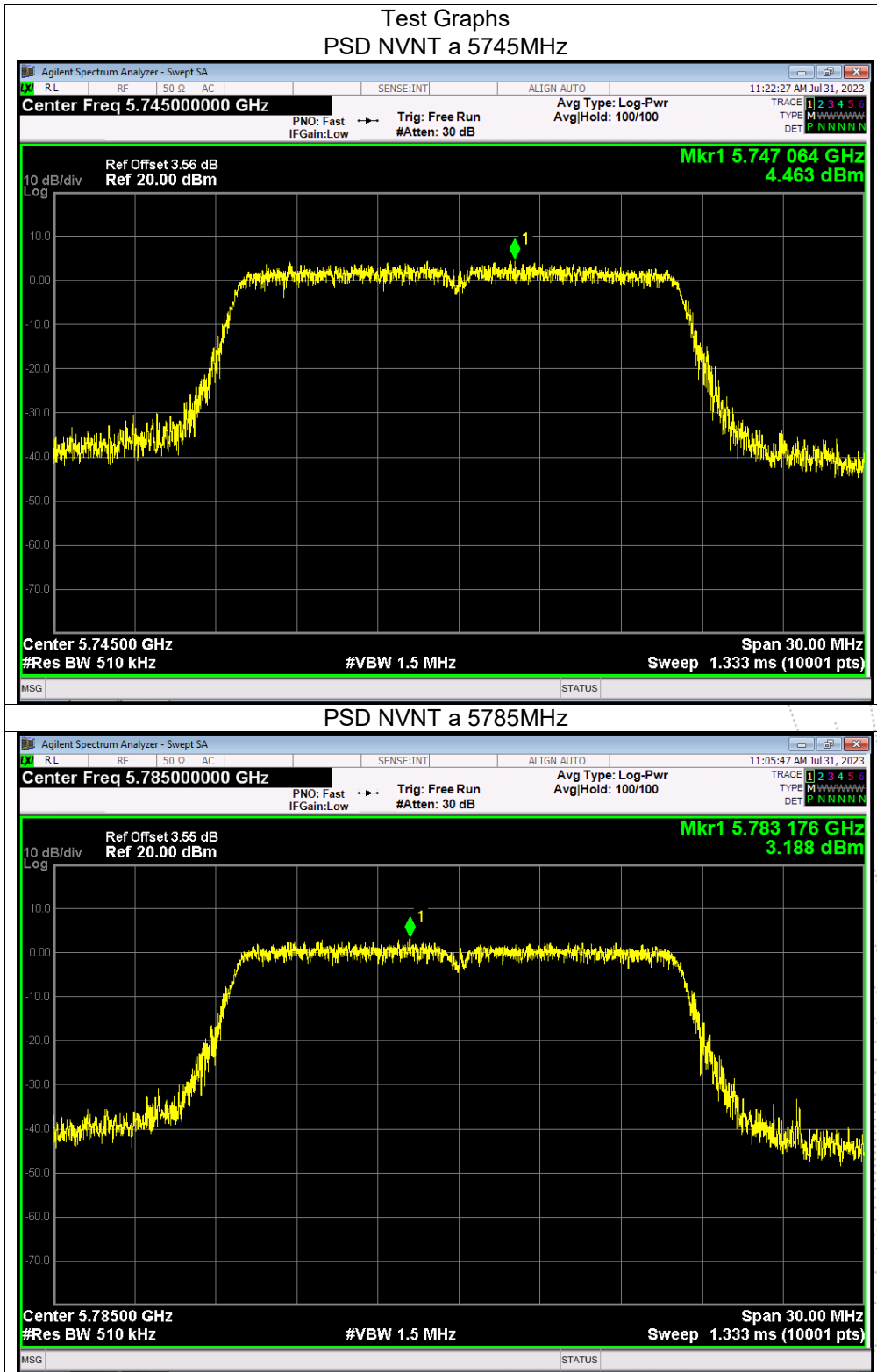


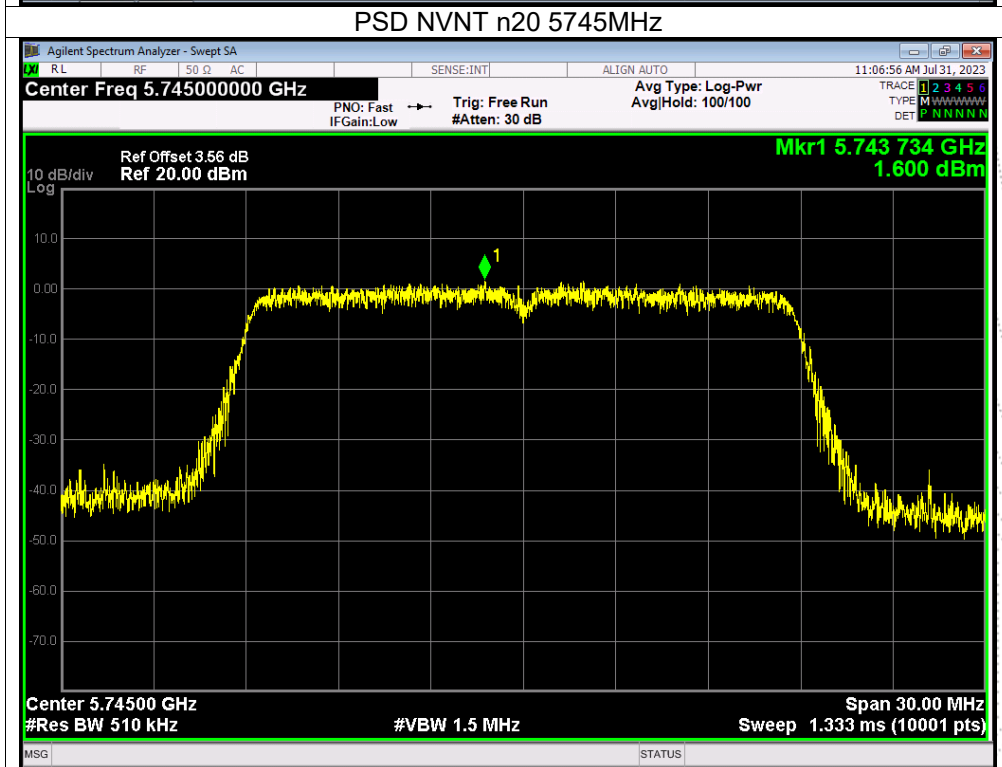
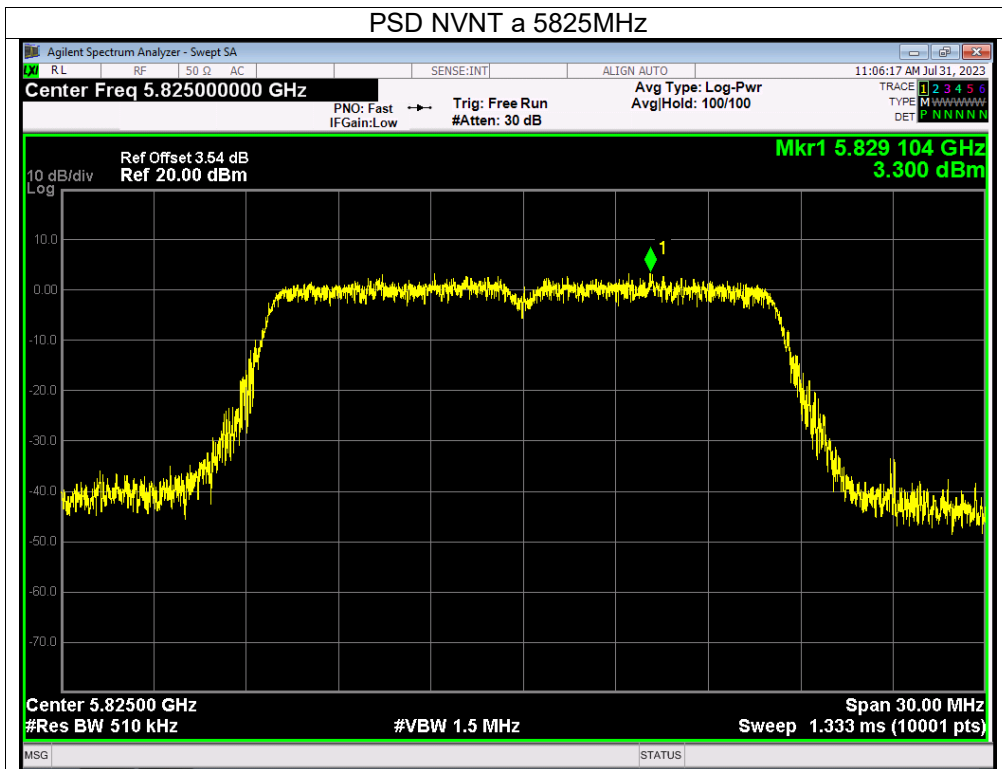
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5745-5825MHz)		

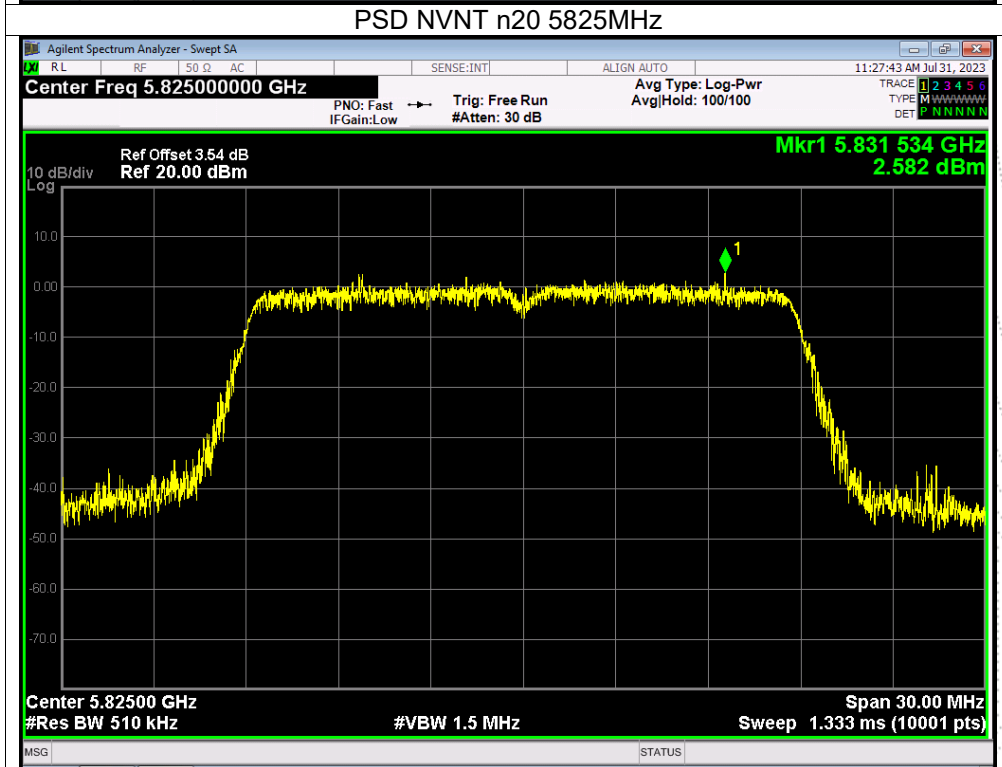
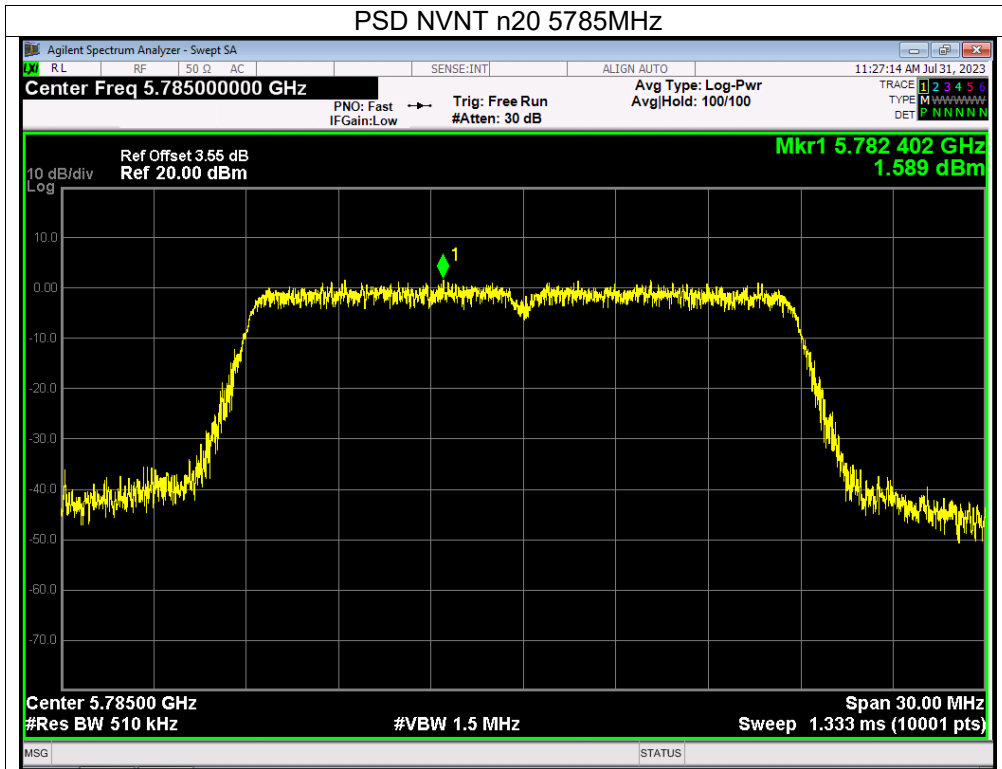
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/500KHz)		Total (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
			Ant A	Ant B			
NVNT	a	5745	2.79	4.46	/	30	Pass
NVNT	a	5785	2.9	3.19	/	30	Pass
NVNT	a	5825	2.43	3.3	/	30	Pass
NVNT	n20	5745	1.07	1.6	4.35	30	Pass
NVNT	n20	5785	0.9	1.59	4.27	30	Pass
NVNT	n20	5825	1.64	2.58	5.15	30	Pass
NVNT	n40	5755	-3.39	-2.22	0.24	30	Pass
NVNT	n40	5795	-3.52	-2.59	-0.02	30	Pass
NVNT	ac20	5745	1.03	2.02	4.56	30	Pass
NVNT	ac20	5785	1.12	2.11	4.65	30	Pass
NVNT	ac20	5825	0.84	2.3	4.64	30	Pass
NVNT	ac40	5755	-3.16	-2.96	-0.05	30	Pass
NVNT	ac40	5795	-3.65	-2.74	-0.16	30	Pass
NVNT	ac80	5775	-8.28	-6.44	-4.25	30	Pass

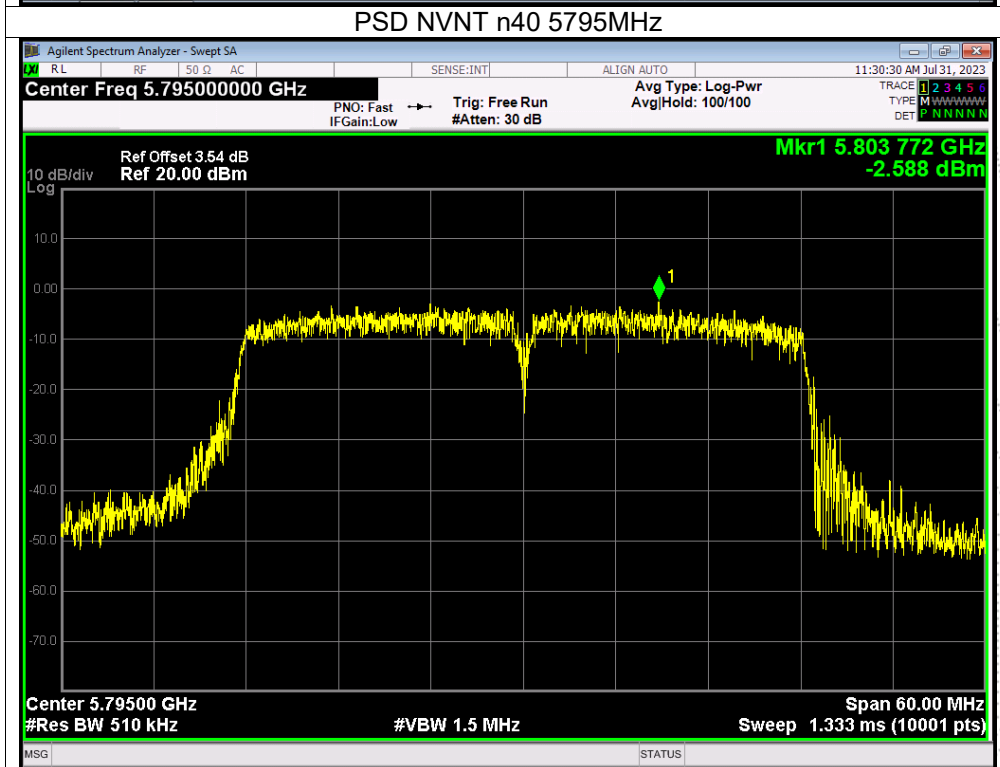
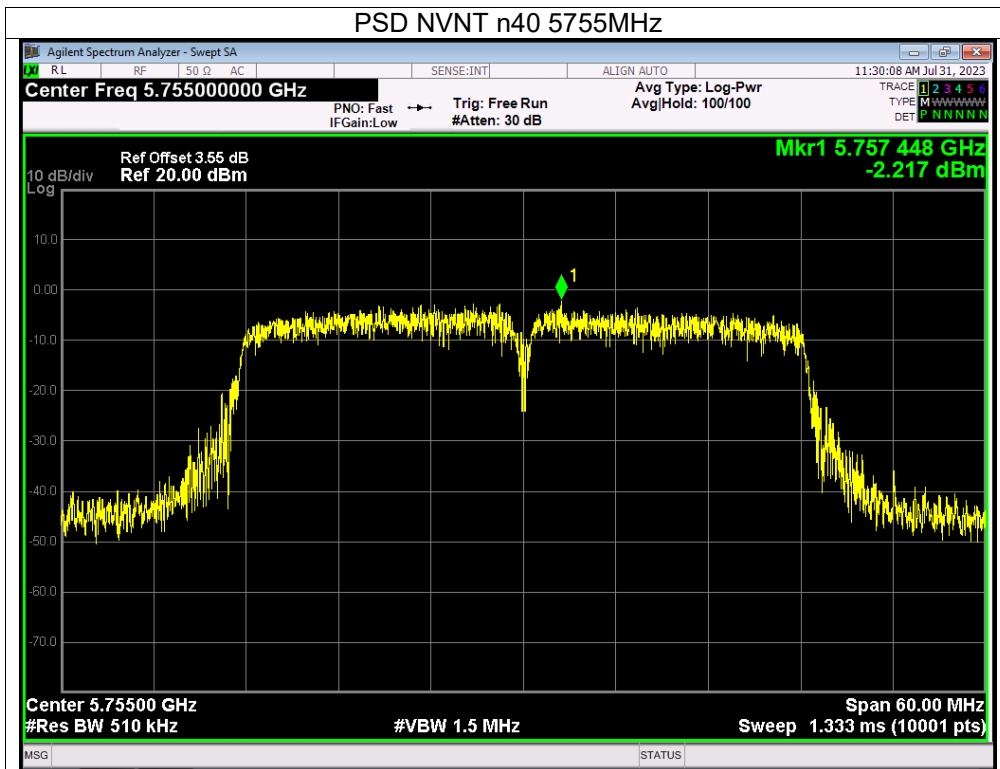


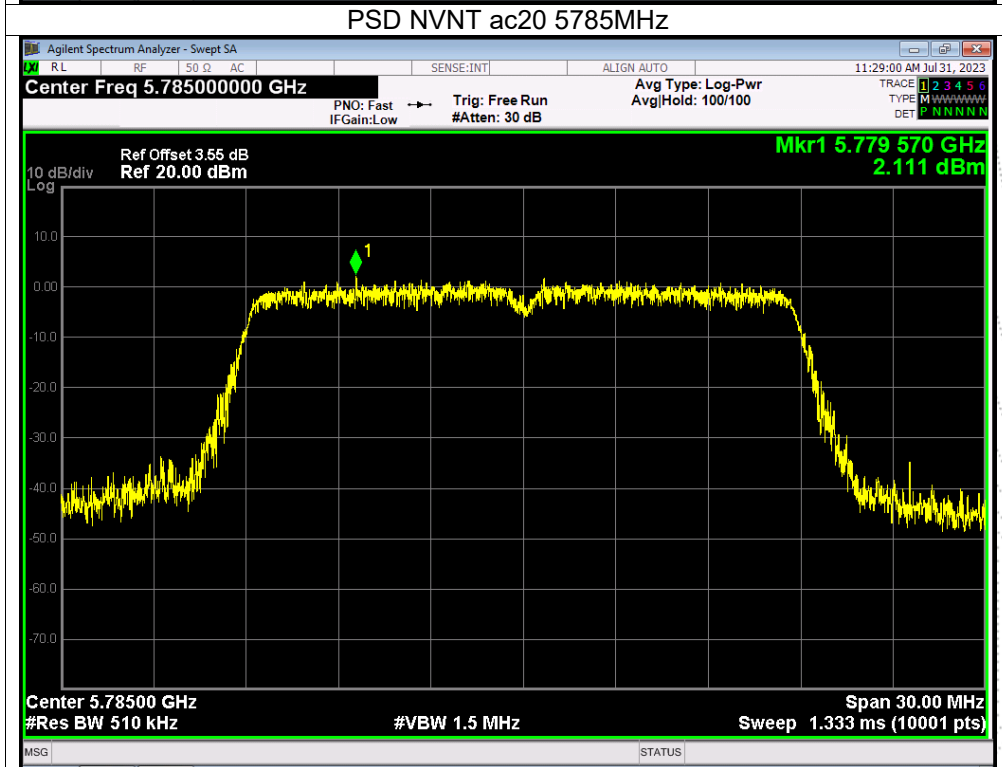
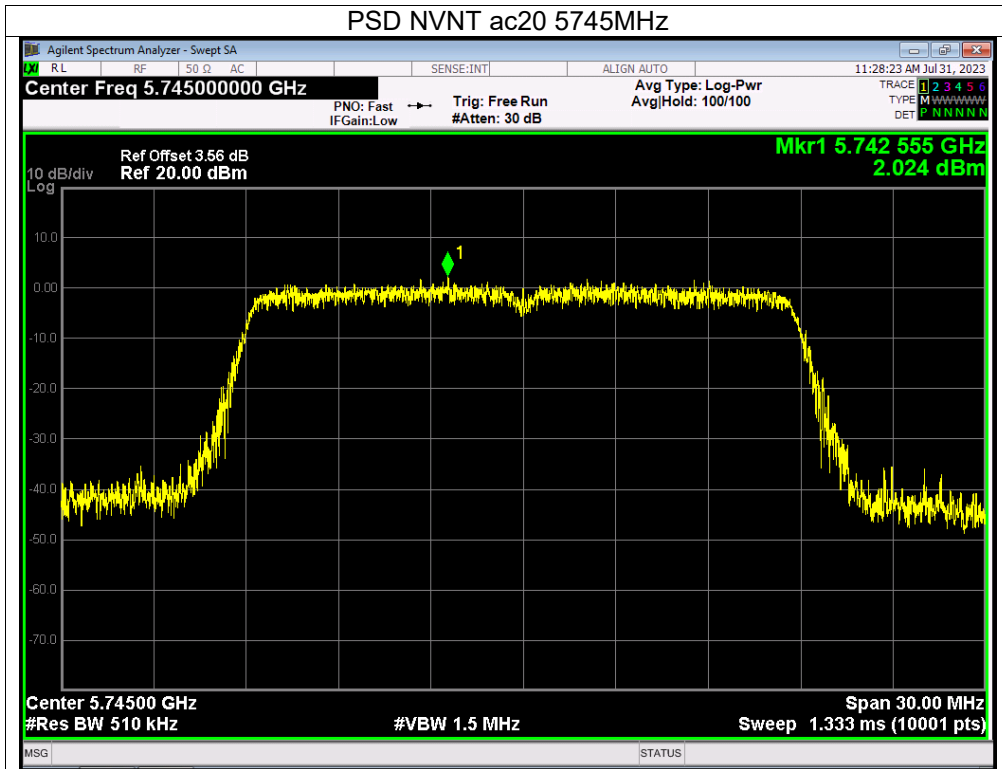
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

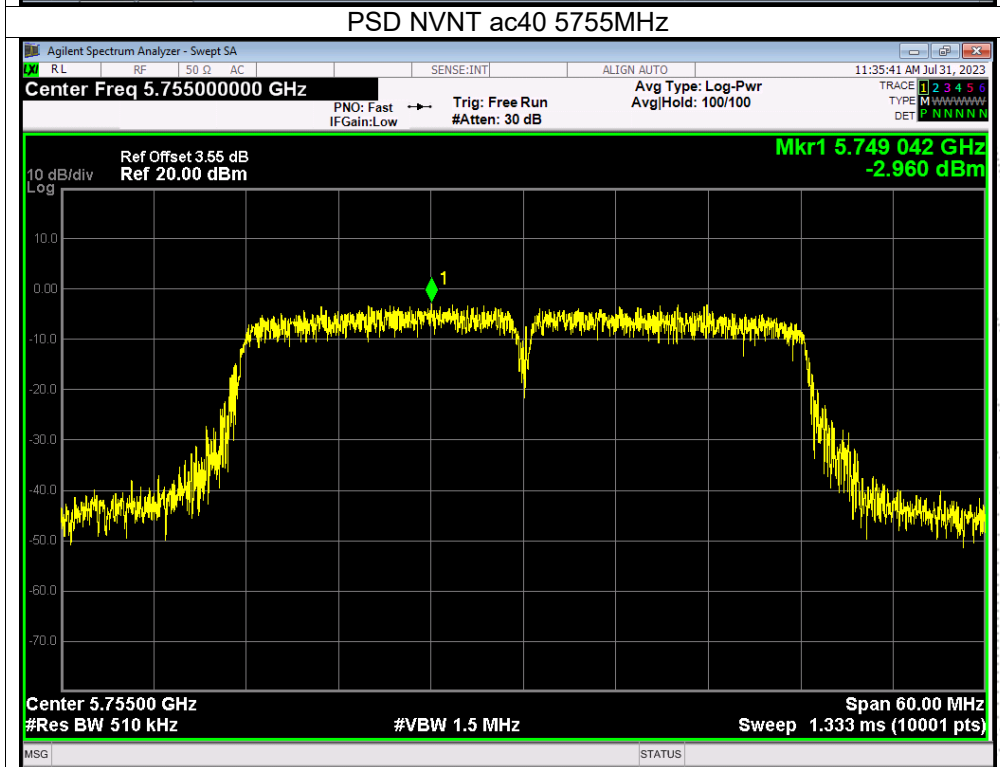
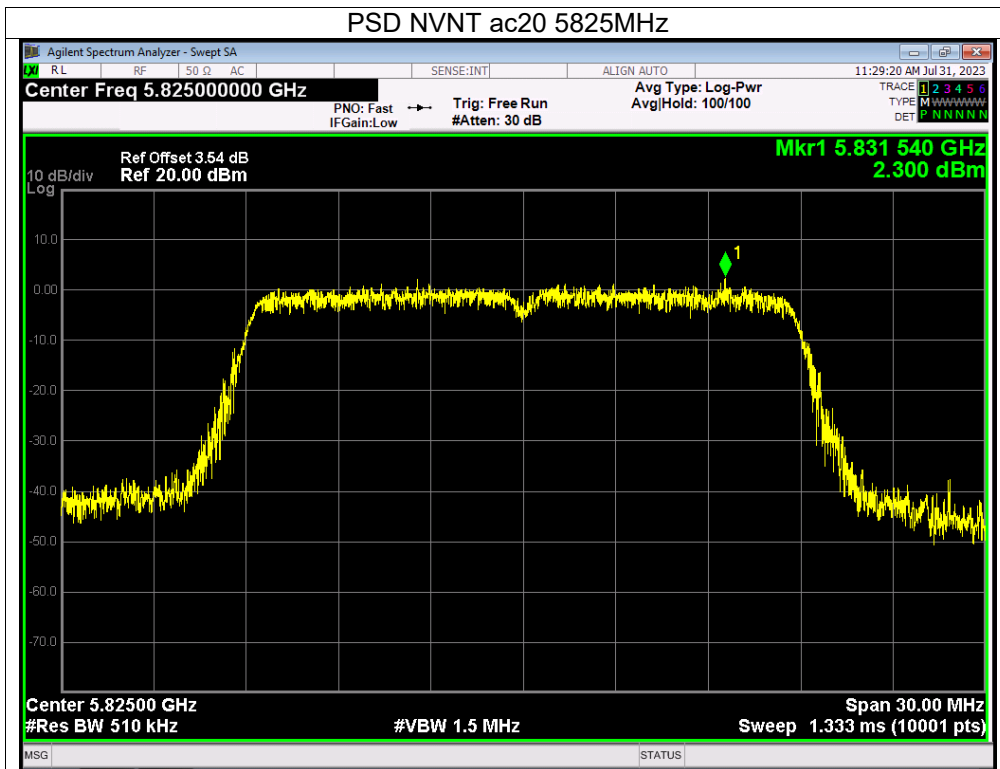


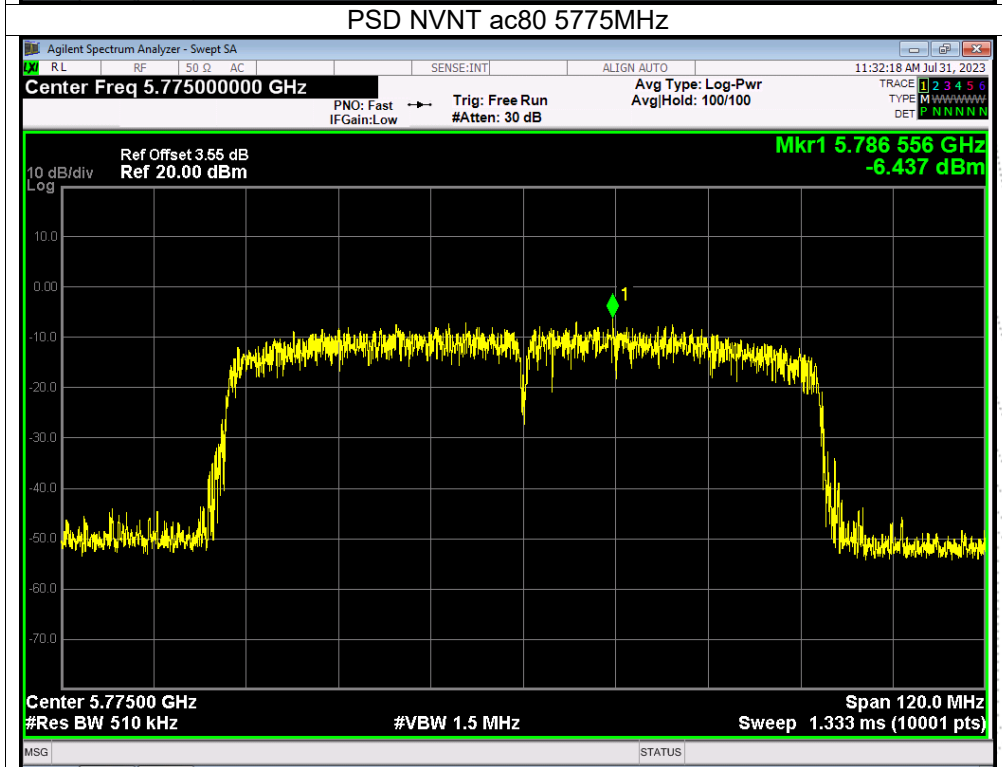
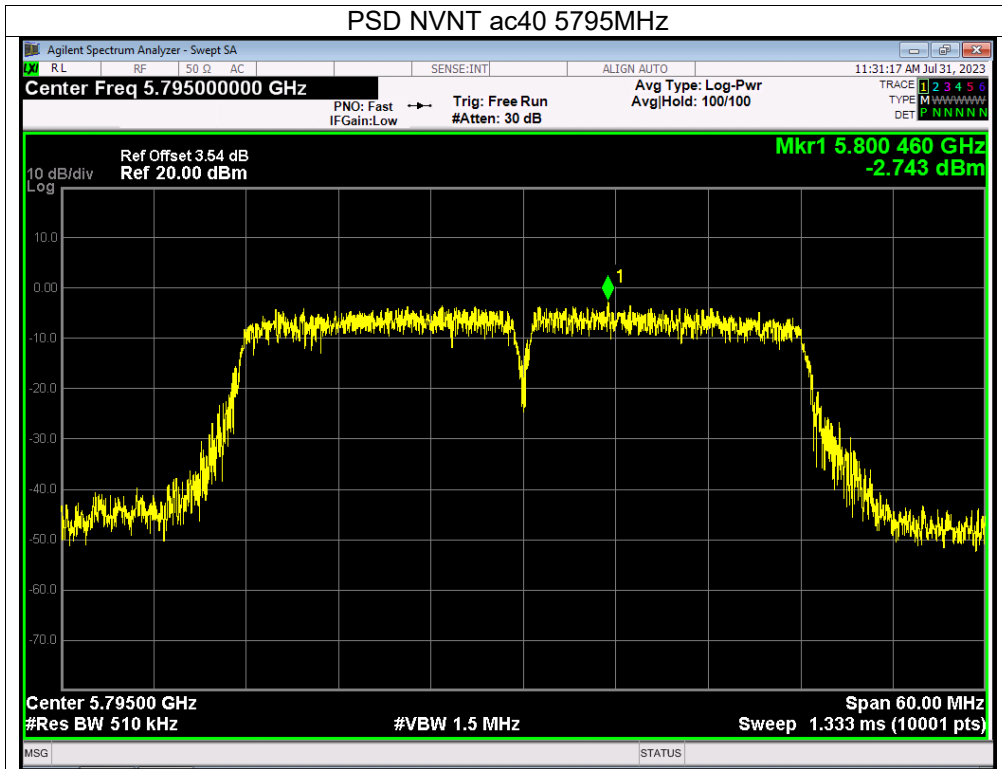






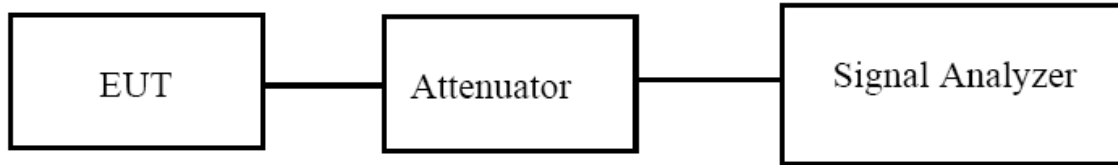






9. 26dB & 6dB & 99% Emission Bandwidth

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

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

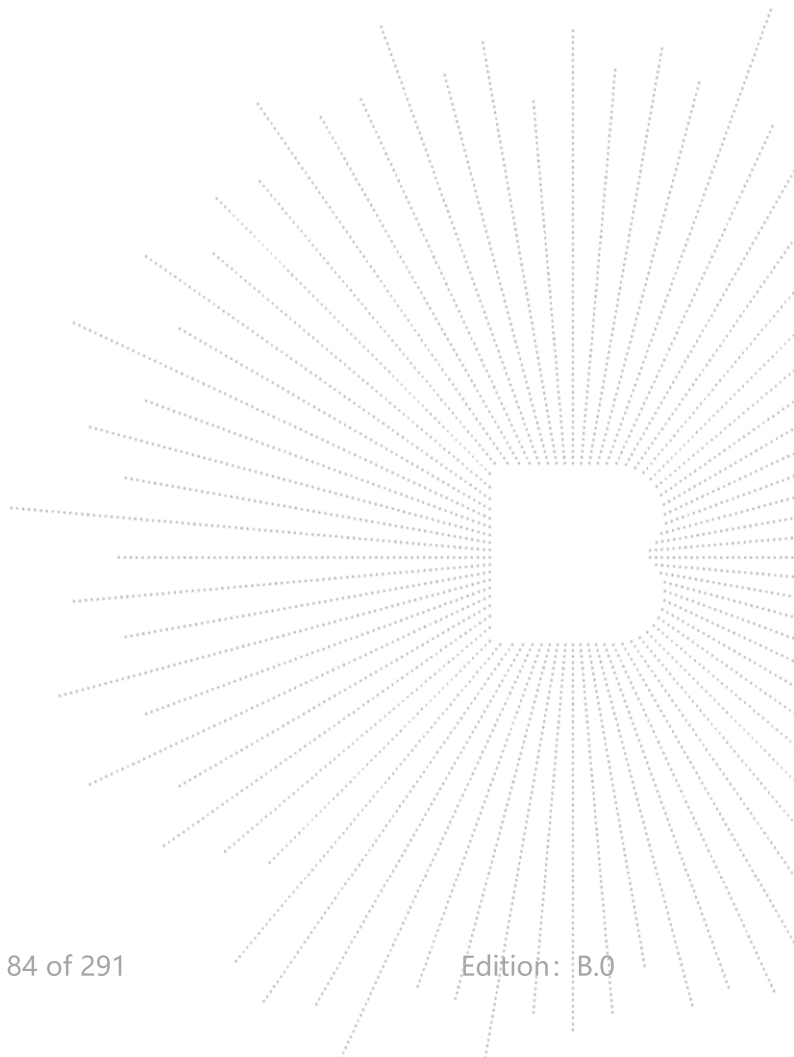
The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.

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

9.4 EUT Operating Conditions

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



9.5 Test Result

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

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)		Verdict
			Ant A	Ant B	
NVNT	a	5180	22.933	21.429	Pass
NVNT	a	5200	24.786	21.647	Pass
NVNT	a	5240	21.288	19.546	Pass
NVNT	n20	5180	20.581	19.307	Pass
NVNT	n20	5200	19.533	19.296	Pass
NVNT	n20	5240	19.532	21.527	Pass
NVNT	n40	5190	41.860	40.290	Pass
NVNT	n40	5230	41.940	42.240	Pass
NVNT	ac20	5180	19.548	19.268	Pass
NVNT	ac20	5200	19.569	19.404	Pass
NVNT	ac20	5240	19.391	20.431	Pass
NVNT	ac40	5190	41.820	42.661	Pass
NVNT	ac40	5230	41.880	41.784	Pass
NVNT	ac80	5210	79.850	79.409	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)	
			Ant A	Ant B
NVNT	a	5180	16.397	16.375
NVNT	a	5200	16.344	16.372
NVNT	a	5240	16.371	16.371
NVNT	n20	5180	17.557	17.573
NVNT	n20	5200	17.577	17.531
NVNT	n20	5240	17.582	17.537
NVNT	n40	5190	36.000	35.995
NVNT	n40	5230	35.973	36.001
NVNT	ac20	5180	17.583	17.554
NVNT	ac20	5200	17.579	17.546
NVNT	ac20	5240	17.542	17.574
NVNT	ac40	5190	35.956	35.976
NVNT	ac40	5230	35.986	35.969
NVNT	ac80	5210	74.535	74.350

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

