

TEST REPORT

Report No.: BCTC2303362455-4E

Applicant: SHENZHEN NST INDUSTRY AND TRADE CO., LTD

Product Name: 10.1 inch tablet PC

Model/Type
reference: T10

Tested Date: 2023-03-29 to 2023-04-12

Issued Date: 2023-04-12



Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2AAMS-SGINT10

Product Name: 10.1 inch tablet PC

Trademark: N/A

Model/Type reference: T10
T10Pro,M1045T

Prepared For: SHENZHEN NST INDUSTRY AND TRADE CO., LTD

Address: 3-4/F, Bldg 1, Hongbang Intelligent Technology Park, No.30 Cuibao Road, Baolong Street, Longgang District, Shenzhen China

Manufacturer: SHENZHEN NST INDUSTRY AND TRADE CO., LTD

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Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Sample Received Date: 2023-03-29

Sample tested Date: 2023-03-29 to 2023-04-12

Issue Date: 2023-04-12

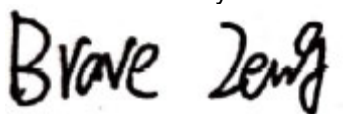
Report No.: BCTC2303362455-4E

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

Test Results: PASS

Remark: This is WIFI-5GHz band radio test report.

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

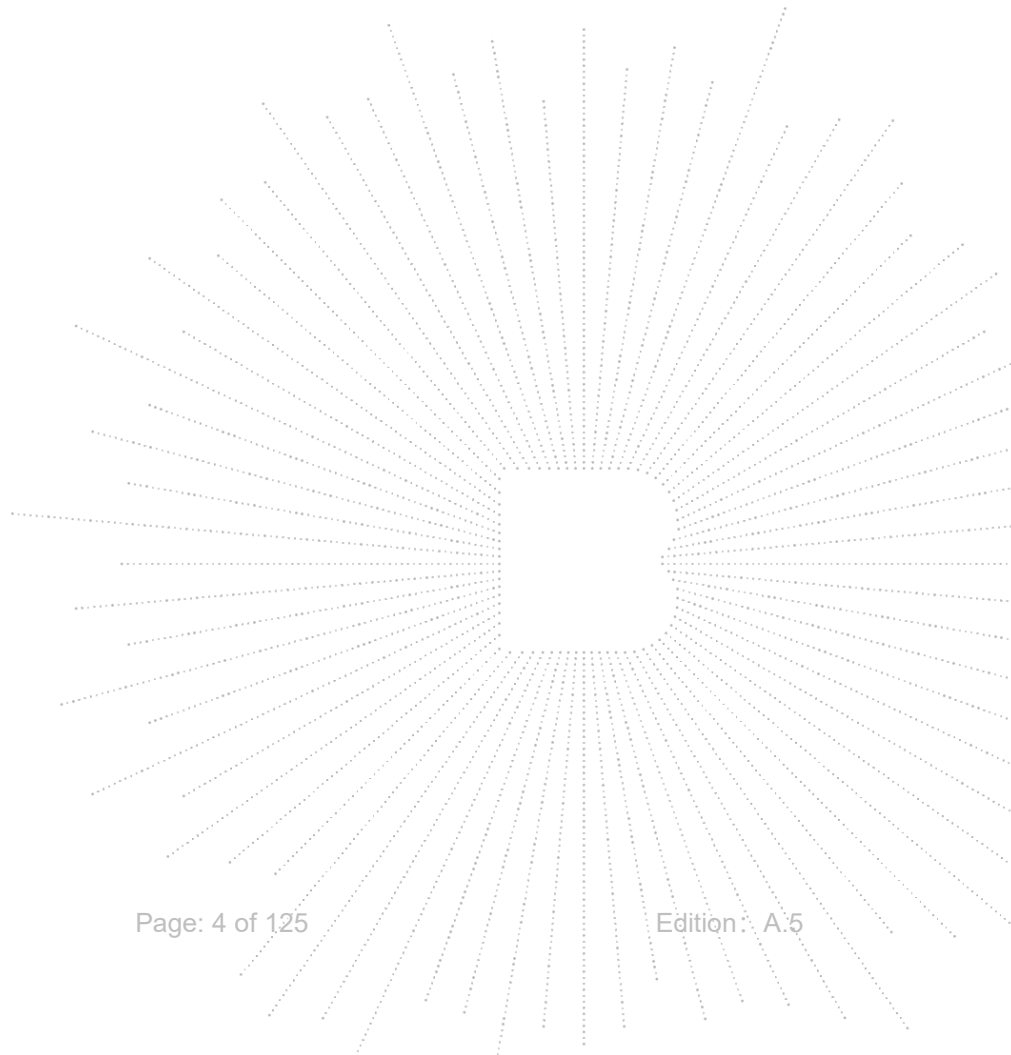
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(Note: N/A Means Not Applicable)



1. Version

Report No.	Issue Date	Description	Approved
BCTC2303362455-4E	2023-04-12	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

1	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a), 15.407 (b)(1) 15.407 (b)(4) 15.407 (b)(8)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 (a)(12) 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 (a)(1) 15.407 (a)(3)	PASS
6	Band Edge	2.1051, 15.407(b)(1) 15.407(b)(4)	PASS
7	Power Spectral Density	15.407 (a)(1) 15.407 (a)(3)	PASS
8	Spurious Emissions at Antenna Terminals	2.1051, 15.407(b)	PASS
9	Antenna Requirement	15.203	PASS

3. Measurement Uncertainty

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

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

4. Product Information And Test Setup

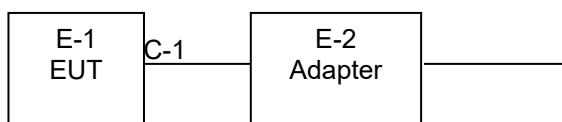
4.1 Product Information

Model/Type reference:	T10 T10Pro,M1045T
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	P863 WT_P863_W_8183_BJJ_MB_WIFI_V2.1_20230221
Software Version:	AA863_D3_101_SY12_V20_FX_IM2BYL03A_L_LCD_NSD_NI10059_4_20230307
IEEE 802.11 WLAN Mode Supported:	802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20)/ac20; 5190-5230MHz for 802.11n(HT40)/ac40; 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20)/ac20; 5755-5795 MHz for 802.11a/n(HT40)/ac40; 5775MHz for 802.11 ac80;
Data Rate:	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac(VHT20): NSS1, MCS0-MCS8 802.11ac(VHT40/VHT80):NSS1, MCS0-MCS
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
Number Of Channel:	4 channels for 802.11a/n20 in the 5180-5240MHz band ; 2 channels for 802.11 n40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; 5 channels for 802.11a/n20 in the 5745-5825MHz band ; 2 channels for 802.11 n40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band ;
Antenna installation:	Internal antenna
Antenna Gain:	1.83 dBi
Ratings:	DC 5V from adapter/DC 3.8V from battery
Adapter:	MOEDL: MK050200-T10USU INPUT: 100-240V ~50-60Hz 0.5A Max OUTPUT: 5.0V $\overline{\overline{=}}$ 2.0A

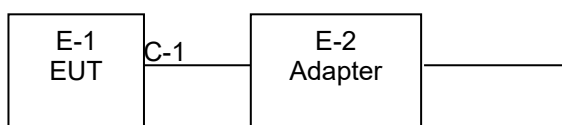
4.2 Test Setup Configuration

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

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	10.1 inch tablet PC	N/A	T10	T10Pro,M1045T	EUT
E-2	Adapter	N/A	MK050200-T10USU	N/A	Auxiliary

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

Notes:

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

4.4 Channel List

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

802.11a/n/ac(20MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220	40	5200	48	5240

802.11n/ac(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	-	-	-	-

802.11ac (80MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	-	-	-	-	-	-

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

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

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

802.11ac (80MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775	-	-	-	-	-	-

4.5 Test Mode

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

Pretest Mode	Description
Mode 1	802.11a / n/ ac 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	Link Mode

Conducted Emission	
Final Test Mode	Description
Mode 4	Link Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11a / n/ ac 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155

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

4.6 Table Of Parameters Of Text Software Setting

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

Test software Version	CMD		
Parameters	DEF	DEF	DEF

5. Test Facility And Test Instrument Used

5.1 Test Facility

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

FCC Test Firm Registration Number: 712850

FCC Designation Number: CN1212

ISED Registered No.: 23583

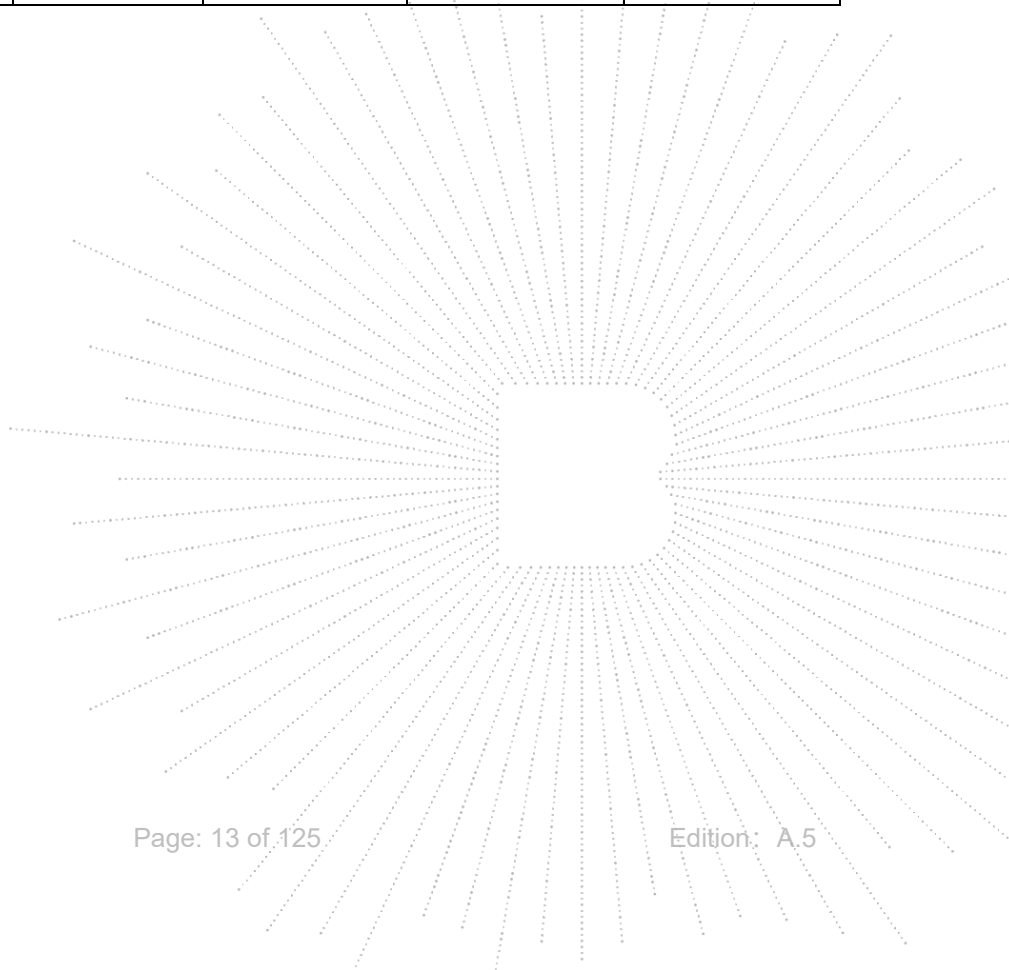
ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 28, 2021	May 27, 2022
LISN	R&S	ENV216	101375	May 28, 2021	May 27, 2022
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB C-6GHz	1650	May 28, 2021	May 27, 2022

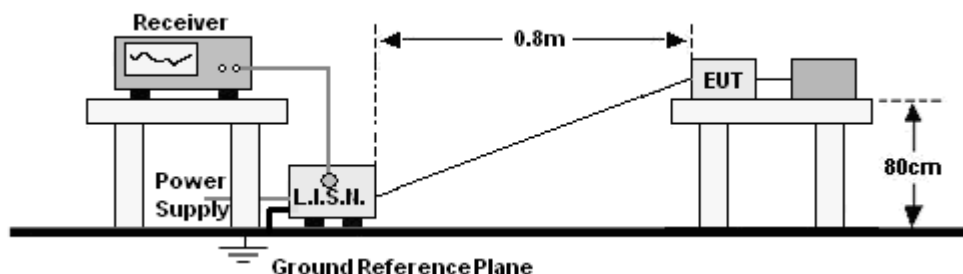
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Metter	Keysight	E4419	\	May 24, 2022	May 23, 2023
Power Sensor (AV)	Keysight	E9300A	\	May 24, 2022	May 23, 2023
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 24, 2022	May 23, 2023
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 24, 2022	May 23, 2023
Radio frequency control box	MAIWEI	MW100-RFC B	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

Radiated Emissions Test (966 Chamber01)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	Jun. 06. 2020	Jun. 05, 2023
Receiver	R&S	ESR3	102075	May 24, 2022	May 23, 2023
Receiver	R&S	ESRP	101154	May 24, 2022	May 23, 2023
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 24, 2022	May 23, 2023
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 26, 2022	May 25, 2023
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 26, 2022	May 25, 2023
Amplifier	SKET	LAPA_01G18 G-45dB	\	May 24, 2022	May 23, 2023
Horn Antenna	Schwarzbeck	BBHA9120D	1541	Jun. 06, 2022	Jun. 05, 2023
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 26, 2022	May 25, 2023
Horn Antenn(18GHz-40GHz)	Schwarzbeck	BBHA9170	00822	Jun. 06, 2022	Jun. 05, 2023
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 24, 2022	May 23, 2023
Software	Frad	EZ-EMC	FA-03A2 RE	\	\



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

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

Notes:

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

6.3 Test procedure

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

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

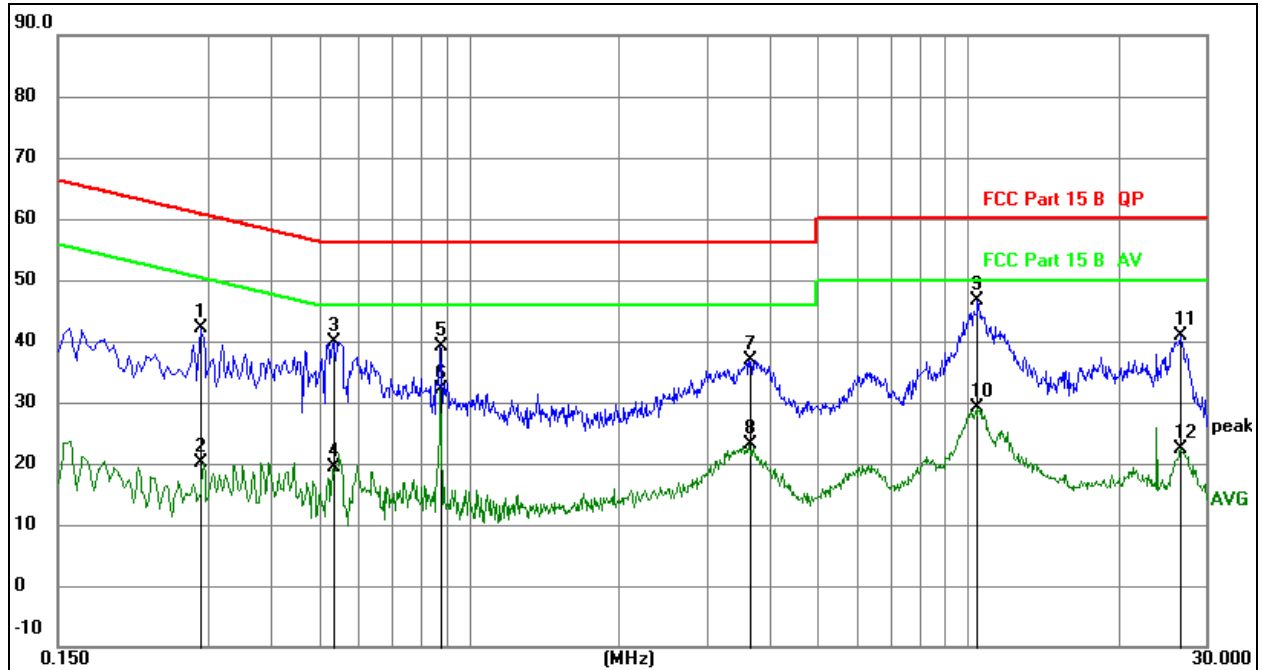
6.4 EUT operating Conditions

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

We pretest AC 120V and AC 240V, the worst voltage was AC 120V and the data recording in the report.

6.5 Test Result

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

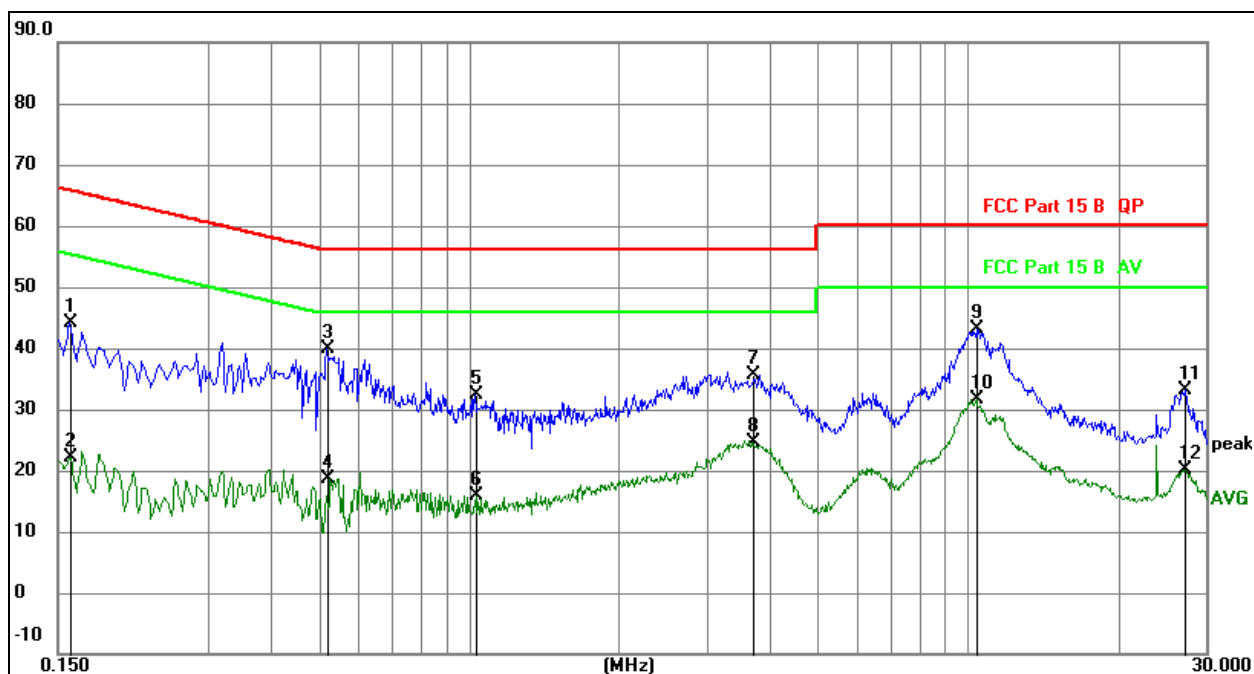


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1		0.2893	22.46	19.78	42.24	60.54	-18.30	QP
2		0.2893	0.27	19.78	20.05	50.54	-30.49	AVG
3		0.5350	20.15	19.72	39.87	56.00	-16.13	QP
4		0.5350	-0.27	19.72	19.45	46.00	-26.55	AVG
5		0.8757	19.50	19.75	39.25	56.00	-16.75	QP
6		0.8757	12.43	19.75	32.18	46.00	-13.82	AVG
7		3.6418	16.75	20.06	36.81	56.00	-19.19	QP
8		3.6418	2.95	20.06	23.01	46.00	-22.99	AVG
9	*	10.4524	26.42	20.28	46.70	60.00	-13.30	QP
10		10.4524	8.73	20.28	29.01	50.00	-20.99	AVG
11		26.6992	20.37	20.52	40.89	60.00	-19.11	QP
12		26.6992	1.87	20.52	22.39	50.00	-27.61	AVG

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



Remark:

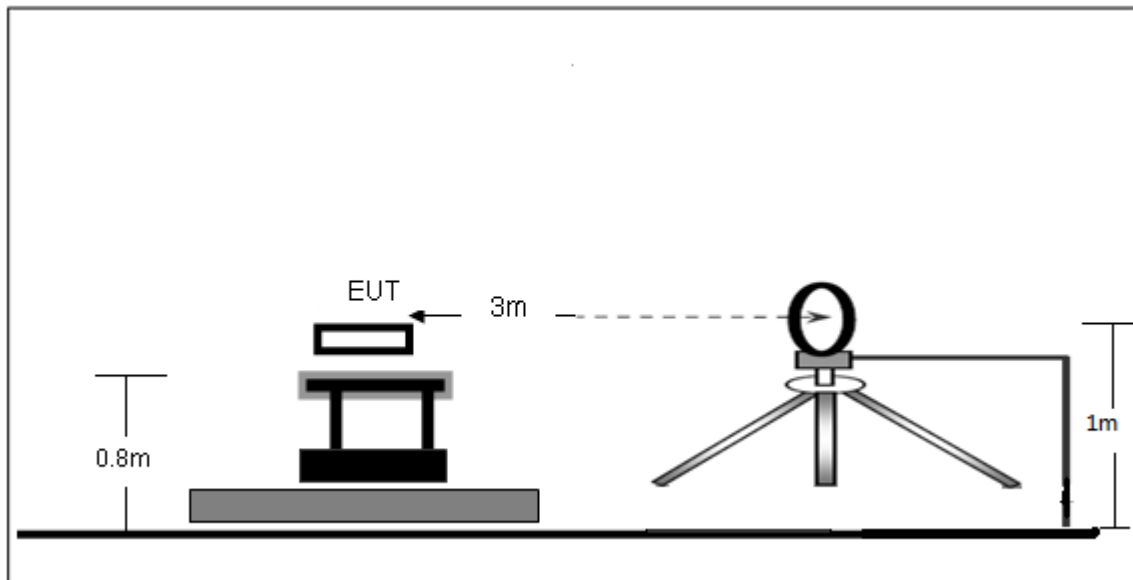
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1		0.1590	24.48	19.69	44.17	65.52	-21.35	QP
2		0.1590	2.45	19.69	22.14	55.52	-33.38	AVG
3	*	0.5190	20.25	19.72	39.97	56.00	-16.03	QP
4		0.5190	-1.05	19.72	18.67	46.00	-27.33	AVG
5		1.0275	12.55	19.76	32.31	56.00	-23.69	QP
6		1.0275	-3.78	19.76	15.98	46.00	-30.02	AVG
7		3.7185	15.63	20.07	35.70	56.00	-20.30	QP
8		3.7185	4.46	20.07	24.53	46.00	-21.47	AVG
9		10.4370	22.79	20.28	43.07	60.00	-16.93	QP
10		10.4370	11.32	20.28	31.60	50.00	-18.40	AVG
11		27.2175	12.53	20.52	33.05	60.00	-26.95	QP
12		27.2175	-0.48	20.52	20.04	50.00	-29.96	AVG

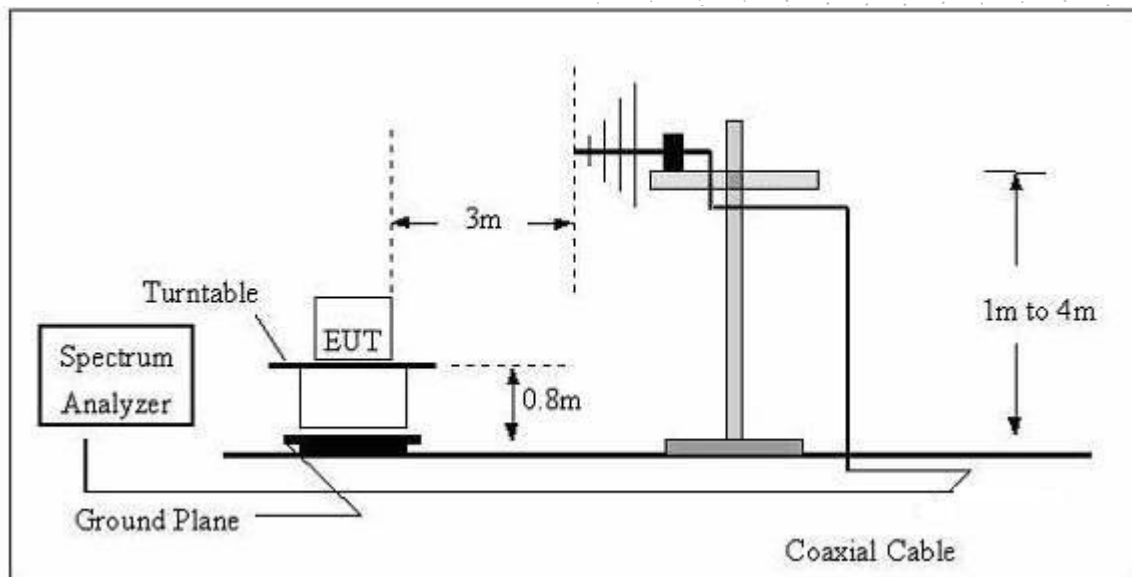
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

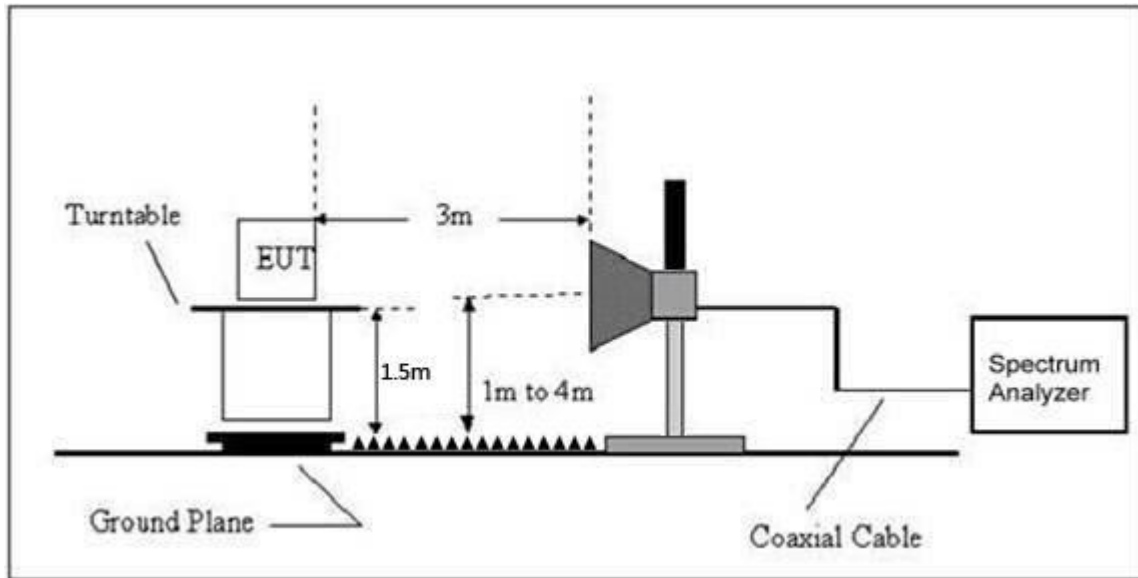
(A) Radiated Emission Test-Up Frequency Below 30MHz



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

Limits Of Radiated Emission Measurement (Above 1000MHz)

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

Notes:

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

7.3 Test procedure

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

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

It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

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

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

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW} [kHz])$. , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.4 EUT operating Conditions

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

7.5 Test Result

Below 30MHz

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

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

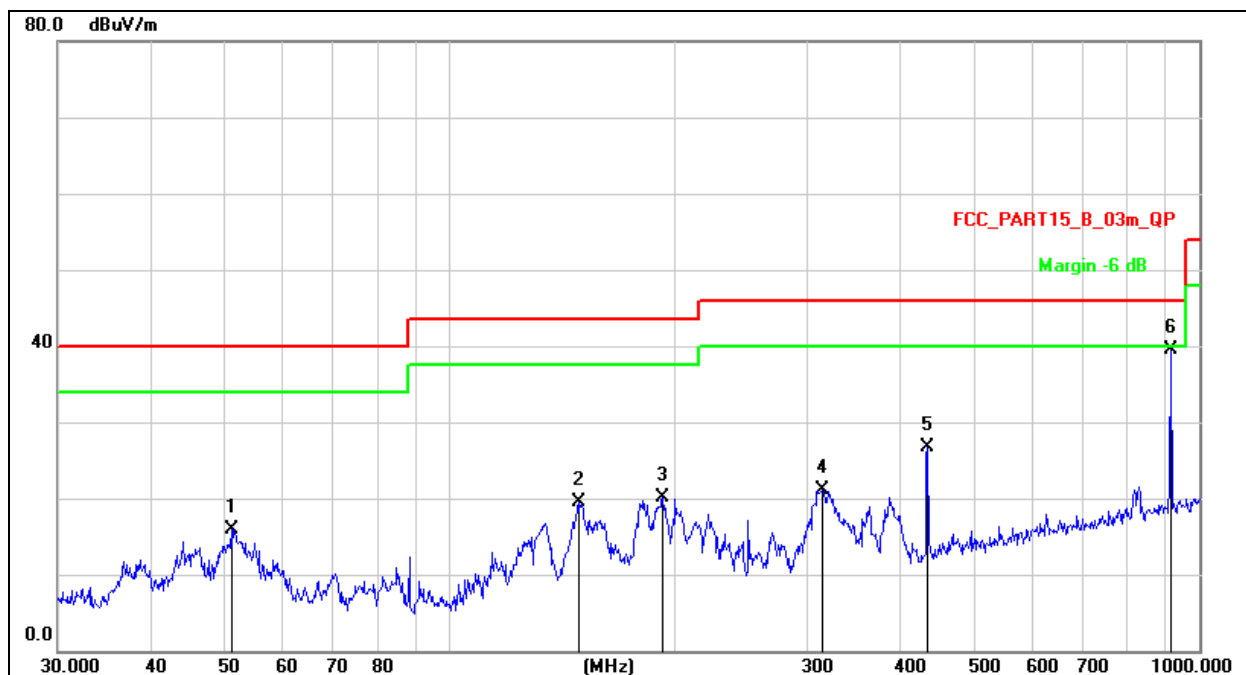
Note:

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

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

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

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

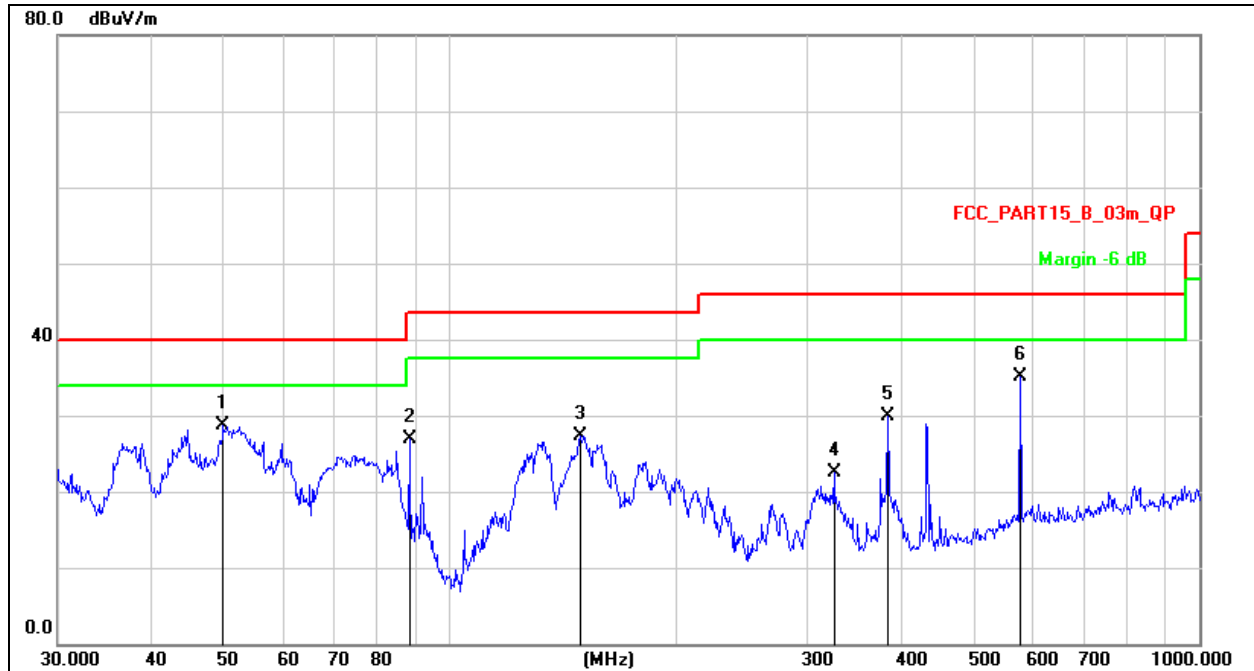


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		51.1209	31.66	-15.76	15.90	40.00	-24.10	QP
2		148.4410	40.41	-20.95	19.46	43.50	-24.04	QP
3		192.4186	38.09	-17.93	20.16	43.50	-23.34	QP
4		314.3765	35.13	-14.07	21.06	46.00	-24.94	QP
5		434.0651	38.35	-11.72	26.63	46.00	-19.37	QP
6	*	916.0687	43.98	-4.42	39.56	46.00	-6.44	QP

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



Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		49.8814	44.38	-15.60	28.78	40.00	-11.22	QP
2		88.3421	46.44	-19.62	26.82	43.50	-16.68	QP
3		149.4857	48.40	-21.02	27.38	43.50	-16.12	QP
4		325.5958	36.12	-13.66	22.46	46.00	-23.54	QP
5		383.9318	42.37	-12.40	29.97	46.00	-16.03	QP
6	*	576.6443	44.06	-8.92	35.14	46.00	-10.86	QP

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	4434.038	63.69	5.94	35.40	44.00	61.03	68.2	-7.17	PK
V	4434.038	44.00	5.94	35.40	44.00	41.34	54	-12.66	AV
V	10360.108	61.62	8.46	39.75	44.50	65.33	68.2	-2.87	PK
V	10360.108	43.15	8.46	39.75	44.50	46.86	54	-7.14	AV
V	15540.136	62.80	10.12	38.80	44.10	67.62	74	-6.38	PK
V	15540.136	43.15	10.12	38.80	42.70	49.37	54	-4.63	AV
H	4434.111	60.52	5.94	35.18	44.00	57.64	68.2	-10.56	PK
H	4434.111	43.54	5.94	35.18	44.00	40.66	54	-13.34	AV
H	10360.057	54.76	8.46	38.71	44.50	57.43	68.2	-10.77	PK
H	10360.057	42.34	8.46	38.71	44.50	45.01	54	-8.99	AV
H	15540.177	52.92	10.12	38.38	44.10	57.32	74	-16.68	PK
H	15540.177	42.66	10.12	38.38	44.10	47.06	54	-6.94	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.016	64.18	6.48	36.35	44.05	62.96	74	-11.04	PK
V	4592.016	43.96	6.48	36.35	44.05	42.74	54	-11.26	AV
V	10400.061	61.94	8.47	37.88	44.51	63.78	68.2	-4.42	PK
V	10400.061	43.77	8.47	37.88	44.51	45.61	54	-8.39	AV
V	15600.025	61.64	10.12	38.80	44.10	66.46	74	-7.54	PK
V	15600.025	43.59	10.12	38.80	42.70	49.81	54	-4.19	AV
H	4592.165	61.55	6.48	36.37	44.05	60.35	74	-13.65	PK
H	4592.165	43.93	6.48	36.37	44.05	42.73	54	-11.27	AV
H	10400.125	50.14	8.47	38.64	44.50	52.75	68.2	-15.45	PK
H	10400.125	41.55	8.47	38.64	44.50	44.16	54	-9.84	AV
H	15600.182	50.19	10.12	38.38	44.10	54.59	74	-19.41	PK
H	15600.182	40.58	10.12	38.38	44.10	44.98	54	-9.02	AV
High Channel (5240 MHz)-Above 1G									
V	4739.159	61.65	7.10	37.24	43.50	62.49	74	-11.51	PK
V	4739.159	43.82	7.10	37.24	43.50	44.66	54	-9.34	AV
V	10480.099	60.17	8.46	37.68	44.50	61.81	68.2	-6.39	PK
V	10480.099	43.35	8.46	37.68	44.50	44.99	54	-9.01	AV
V	15720.017	61.88	10.12	38.80	44.10	66.70	74	-7.30	PK
V	15720.017	43.24	10.12	38.80	42.70	49.46	54	-4.54	AV
H	4739.051	61.89	7.10	37.24	43.50	62.73	74	-11.27	PK
H	4739.051	43.34	7.10	37.24	43.50	44.18	54	-9.82	AV
H	10480.199	52.60	8.46	38.57	44.50	55.13	68.2	-13.07	PK
H	10480.199	43.64	8.46	38.57	44.50	46.17	54	-7.83	AV
H	15720.016	52.36	10.12	38.38	44.10	56.76	74	-17.24	PK
H	15720.016	42.33	10.12	38.38	44.10	46.73	54	-7.27	AV

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

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

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

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

Test Mode:	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	4434.078	64.70	5.94	35.40	44.00	62.04	68.2	-6.16	PK
V	4434.078	43.74	5.94	35.40	44.00	41.08	54	-12.92	AV
V	10360.132	60.03	8.46	39.75	44.50	63.74	68.2	-4.46	PK
V	10360.132	43.90	8.46	39.75	44.50	47.61	54	-6.39	AV
V	15540.060	62.52	10.12	38.80	44.10	67.34	74	-6.66	PK
V	15540.060	43.73	10.12	38.80	42.70	49.95	54	-4.05	AV
H	4434.158	61.90	5.94	35.18	44.00	59.02	68.2	-9.18	PK
H	4434.158	43.65	5.94	35.18	44.00	40.77	54	-13.23	AV
H	10360.166	54.34	8.46	38.71	44.50	57.01	68.2	-11.19	PK
H	10360.166	41.45	8.46	38.71	44.50	44.12	54	-9.88	AV
H	15540.140	53.14	10.12	38.38	44.10	57.54	74	-16.46	PK
H	15540.140	43.12	10.12	38.38	44.10	47.52	54	-6.48	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.173	61.24	6.48	36.35	44.05	60.02	74	-13.98	PK
V	4592.173	43.59	6.48	36.35	44.05	42.37	54	-11.63	AV
V	10400.080	60.44	8.47	37.88	44.51	62.28	68.2	-5.92	PK
V	10400.080	43.88	8.47	37.88	44.51	45.72	54	-8.28	AV
V	15600.017	62.61	10.12	38.80	44.10	67.43	74	-6.57	PK
V	15600.017	43.78	10.12	38.80	42.70	50.00	54	-4.00	AV
H	4592.178	62.69	6.48	36.37	44.05	61.49	74	-12.51	PK
H	4592.178	43.61	6.48	36.37	44.05	42.41	54	-11.59	AV
H	10400.135	50.23	8.47	38.64	44.50	52.84	68.2	-15.36	PK
H	10400.135	41.90	8.47	38.64	44.50	44.51	54	-9.49	AV
H	15600.185	53.31	10.12	38.38	44.10	57.71	74	-16.29	PK
H	15600.185	42.59	10.12	38.38	44.10	46.99	54	-7.01	AV
High Channel (5240 MHz)-Above 1G									
V	4739.044	64.22	7.10	37.24	43.50	65.06	74	-8.94	PK
V	4739.044	43.09	7.10	37.24	43.50	43.93	54	-10.07	AV
V	10480.150	62.96	8.46	37.68	44.50	64.60	68.2	-3.60	PK
V	10480.150	43.76	8.46	37.68	44.50	45.40	54	-8.60	AV
V	15720.017	63.05	10.12	38.80	44.10	67.87	74	-6.13	PK
V	15720.017	43.35	10.12	38.80	42.70	49.57	54	-4.43	AV
H	4739.192	62.74	7.10	37.24	43.50	63.58	74	-10.42	PK
H	4739.192	43.84	7.10	37.24	43.50	44.68	54	-9.32	AV
H	10480.155	51.24	8.46	38.57	44.50	53.77	68.2	-14.43	PK
H	10480.155	44.52	8.46	38.57	44.50	47.05	54	-6.95	AV
H	15720.155	51.37	10.12	38.38	44.10	55.77	74	-18.23	PK
H	15720.155	41.81	10.12	38.38	44.10	46.21	54	-7.79	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:	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	4434.046	63.73	5.94	35.40	44.00	61.07	68.2	-7.13	PK
V	4434.046	43.83	5.94	35.40	44.00	41.17	54	-12.83	AV
V	10380.156	61.58	8.46	39.75	44.50	65.29	68.2	-2.91	PK
V	10380.156	43.13	8.46	39.75	44.50	46.84	54	-7.16	AV
V	15570.007	63.15	10.12	38.80	44.10	67.97	74	-6.03	PK
V	15570.007	43.13	10.12	38.80	42.70	49.35	54	-4.65	AV
H	4434.066	64.11	5.94	35.18	44.00	61.23	74	-12.77	PK
H	4434.066	43.96	5.94	35.18	44.00	41.08	54	-12.92	AV
H	10380.111	50.83	8.46	38.71	44.50	53.50	68.2	-14.70	PK
H	10380.111	40.00	8.46	38.71	44.50	42.67	54	-11.33	AV
H	15570.018	51.44	10.12	38.38	44.10	55.84	74	-18.16	PK
H	15570.018	40.28	10.12	38.38	44.10	44.68	54	-9.32	AV
High Channel (5230 MHz)-Above 1G									
V	4739.199	63.22	6.48	36.35	44.05	62.00	68.2	-6.20	PK
V	4739.199	43.30	6.48	36.35	44.05	42.08	54	-11.92	AV
V	10460.065	60.25	8.47	37.88	44.51	62.09	68.2	-6.11	PK
V	10460.065	43.00	8.47	37.88	44.51	44.84	54	-9.16	AV
V	15690.162	64.03	10.12	38.80	44.10	68.85	74	-5.15	PK
V	15690.162	43.77	10.12	38.80	42.70	49.99	54	-4.01	AV
H	4739.062	63.73	6.48	36.37	44.05	62.53	68.2	-5.67	PK
H	4739.062	43.69	6.48	36.37	44.05	42.49	54	-11.51	AV
H	10460.188	51.04	8.47	38.64	44.50	53.65	68.2	-14.55	PK
H	10460.188	40.23	8.47	38.64	44.50	42.84	54	-11.16	AV
H	15690.009	53.56	10.12	38.38	44.10	57.96	74	-16.04	PK
H	15690.009	41.55	10.12	38.38	44.10	45.95	54	-8.05	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:	TX(5.1G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5180 MHz)-Above 1G									
V	4434.074	63.74	5.94	35.40	44.00	61.08	68.2	-7.12	PK
V	4434.074	43.71	5.94	35.40	44.00	41.05	54	-12.95	AV
V	10360.178	61.18	8.46	39.75	44.50	64.89	68.2	-3.31	PK
V	10360.178	43.65	8.46	39.75	44.50	47.36	54	-6.64	AV
V	15540.090	62.75	10.12	38.80	44.10	67.57	74	-6.43	PK
V	15540.090	43.73	10.12	38.80	42.70	49.95	54	-4.05	AV
H	4434.119	61.74	5.94	35.18	44.00	58.86	68.2	-9.34	PK
H	4434.119	43.45	5.94	35.18	44.00	40.57	54	-13.43	AV
H	10360.010	51.74	8.46	38.71	44.50	54.41	68.2	-13.79	PK
H	10360.010	43.17	8.46	38.71	44.50	45.84	54	-8.16	AV
H	15540.010	52.11	10.12	38.38	44.10	56.51	74	-17.49	PK
H	15540.010	42.01	10.12	38.38	44.10	46.41	54	-7.59	AV
Middle Channel (5200 MHz)-Above 1G									
V	4592.083	61.63	6.48	36.35	44.05	60.41	74	-13.59	PK
V	4592.083	43.72	6.48	36.35	44.05	42.50	54	-11.50	AV
V	10400.079	62.80	8.47	37.88	44.51	64.64	68.2	-3.56	PK
V	10400.079	43.31	8.47	37.88	44.51	45.15	54	-8.85	AV
V	15600.057	62.76	10.12	38.80	44.10	67.58	74	-6.42	PK
V	15600.057	43.69	10.12	38.80	42.70	49.91	54	-4.09	AV
H	4592.164	60.25	6.48	36.37	44.05	59.05	74	-14.95	PK
H	4592.164	43.62	6.48	36.37	44.05	42.42	54	-11.58	AV
H	10400.038	53.39	8.47	38.64	44.50	56.00	68.2	-12.20	PK
H	10400.038	42.11	8.47	38.64	44.50	44.72	54	-9.28	AV
H	15600.140	53.70	10.12	38.38	44.10	58.10	74	-15.90	PK
H	15600.140	44.50	10.12	38.38	44.10	48.90	54	-5.10	AV
High Channel (5240 MHz)-Above 1G									
V	4739.119	62.32	7.10	37.24	43.50	63.16	74	-10.84	PK
V	4739.119	43.85	7.10	37.24	43.50	44.69	54	-9.31	AV
V	10480.120	61.12	8.46	37.68	44.50	62.76	68.2	-5.44	PK
V	10480.120	43.07	8.46	37.68	44.50	44.71	54	-9.29	AV
V	15720.127	62.83	10.12	38.80	44.10	67.65	74	-6.35	PK
V	15720.127	43.47	10.12	38.80	42.70	49.69	54	-4.31	AV
H	4739.037	64.22	7.10	37.24	43.50	65.06	74	-8.94	PK
H	4739.037	43.73	7.10	37.24	43.50	44.57	54	-9.43	AV
H	10480.133	52.03	8.46	38.57	44.50	54.56	68.2	-13.64	PK
H	10480.133	44.28	8.46	38.57	44.50	46.81	54	-7.19	AV
H	15720.055	53.95	10.12	38.38	44.10	58.35	74	-15.65	PK
H	15720.055	41.69	10.12	38.38	44.10	46.09	54	-7.91	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:	TX(5.1G) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G									
V	4434.046	60.97	5.94	35.40	44.00	58.31	68.2	-9.89	PK
V	4434.046	43.25	5.94	35.40	44.00	40.59	54	-13.41	AV
V	10380.158	62.55	8.46	39.75	44.50	66.26	68.2	-1.94	PK
V	10380.158	43.07	8.46	39.75	44.50	46.78	54	-7.22	AV
V	15570.107	64.08	10.12	38.80	44.10	68.90	74	-5.10	PK
V	15570.107	43.38	10.12	38.80	42.70	49.60	54	-4.40	AV
H	4434.154	61.51	5.94	35.18	44.00	58.63	74	-15.37	PK
H	4434.154	43.38	5.94	35.18	44.00	40.50	54	-13.50	AV
H	10380.078	50.95	8.46	38.71	44.50	53.62	68.2	-14.58	PK
H	10380.078	43.25	8.46	38.71	44.50	45.92	54	-8.08	AV
H	15570.058	54.82	10.12	38.38	44.10	59.22	74	-14.78	PK
H	15570.058	42.98	10.12	38.38	44.10	47.38	54	-6.62	AV
High Channel (5230 MHz)-Above 1G									
V	4739.194	60.17	6.48	36.35	44.05	58.95	68.2	-9.25	PK
V	4739.194	43.29	6.48	36.35	44.05	42.07	54	-11.93	AV
V	10460.160	63.11	8.47	37.88	44.51	64.95	68.2	-3.25	PK
V	10460.160	43.43	8.47	37.88	44.51	45.27	54	-8.73	AV
V	15690.073	61.03	10.12	38.80	44.10	65.85	74	-8.15	PK
V	15690.073	43.81	10.12	38.80	42.70	50.03	54	-3.97	AV
H	4739.079	63.74	6.48	36.37	44.05	62.54	68.2	-5.66	PK
H	4739.079	43.69	6.48	36.37	44.05	42.49	54	-11.51	AV
H	10460.170	50.87	8.47	38.64	44.50	53.48	68.2	-14.72	PK
H	10460.170	44.60	8.47	38.64	44.50	47.21	54	-6.79	AV
H	15690.163	50.87	10.12	38.38	44.10	55.27	74	-18.73	PK
H	15690.163	40.45	10.12	38.38	44.10	44.85	54	-9.15	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:	TX(5.1G) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
(5210 MHz)-Above 1G									
V	4434.075	61.38	5.94	35.40	44.00	58.72	68.2	-9.48	PK
V	4434.075	43.81	5.94	35.40	44.00	41.15	54	-12.85	AV
V	10420.005	62.16	8.46	39.75	44.50	65.87	68.2	-2.33	PK
V	10420.005	43.46	8.46	39.75	44.50	47.17	54	-6.83	AV
V	15630.084	63.58	10.12	38.80	44.10	68.40	74	-5.60	PK
V	15630.084	43.70	10.12	38.80	42.70	49.92	54	-4.08	AV
H	4434.188	60.98	5.94	35.18	44.00	58.10	68.2	-10.10	PK
H	4434.188	43.10	5.94	35.18	44.00	40.22	54	-13.78	AV
H	10420.172	53.08	8.46	38.71	44.50	55.75	68.2	-12.45	PK
H	10420.172	44.08	8.46	38.71	44.50	46.75	54	-7.25	AV
H	15630.108	50.33	10.12	38.38	44.10	54.73	74	-19.27	PK
H	15630.108	40.39	10.12	38.38	44.10	44.79	54	-9.21	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:	TX(5.8G) - 802.11a
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.135	55.97	5.94	35.40	44.00	53.31	74	-20.69	PK
V	4679.135	43.29	5.94	35.40	44.00	40.63	54	-13.37	AV
V	11490.166	57.71	8.46	39.75	44.50	61.42	68.2	-6.78	PK
V	11490.166	43.10	8.46	39.75	44.50	46.81	54	-7.19	AV
V	17235.195	58.37	10.12	38.80	44.10	63.19	68.2	-5.01	PK
V	17235.195	43.13	10.12	38.80	42.70	49.35	54	-4.65	AV
H	4679.178	57.70	5.94	35.18	44.00	54.82	74	-19.18	PK
H	4679.178	43.25	5.94	35.18	44.00	40.37	54	-13.63	AV
H	11490.102	52.61	8.46	38.71	44.50	55.28	68.2	-12.92	PK
H	11490.102	40.30	8.46	38.71	44.50	42.97	54	-11.03	AV
H	17235.105	51.39	10.12	38.38	44.10	55.79	68.2	-12.41	PK
H	17235.105	40.45	10.12	38.38	44.10	44.85	54	-9.15	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.072	56.95	6.48	36.35	44.05	55.73	74	-18.27	PK
V	4592.072	43.14	6.48	36.35	44.05	41.92	54	-12.08	AV
V	11570.030	57.85	8.47	37.88	44.51	59.69	68.2	-8.51	PK
V	11570.030	43.48	8.47	37.88	44.51	45.32	54	-8.68	AV
V	17355.186	56.23	10.12	38.80	44.10	61.05	68.2	-7.15	PK
V	17355.186	39.56	10.12	38.80	42.70	45.78	54	-8.22	AV
H	4592.003	56.38	6.48	36.37	44.05	55.18	74	-18.82	PK
H	4592.003	43.89	6.48	36.37	44.05	42.69	54	-11.31	AV
H	11570.125	52.53	8.47	38.64	44.50	55.14	68.2	-13.06	PK
H	11570.125	44.35	8.47	38.64	44.50	46.96	54	-7.04	AV
H	17355.118	53.02	10.12	38.38	44.10	57.42	68.2	-10.78	PK
H	17355.118	41.66	10.12	38.38	44.10	46.06	54	-7.94	AV
High Channel (5825 MHz)-Above 1G									
V	6039.179	57.49	7.10	37.24	43.50	58.33	68.2	-9.87	PK
V	6039.179	43.65	7.10	37.24	43.50	44.49	54	-9.51	AV
V	11650.009	61.76	8.46	37.68	44.50	63.40	74	-10.60	PK
V	11650.009	43.98	8.46	37.68	44.50	45.62	54	-8.38	AV
V	17475.061	57.15	10.12	38.80	44.10	61.97	68.2	-6.23	PK
V	17475.061	43.31	10.12	38.80	42.70	49.53	54	-4.47	AV
H	6039.165	58.88	7.10	37.24	43.50	59.72	68.2	-8.48	PK
H	6039.165	43.76	7.10	37.24	43.50	44.60	54	-9.40	AV
H	11650.045	52.08	8.46	38.57	44.50	54.61	74	-19.39	PK
H	11650.045	41.30	8.46	38.57	44.50	43.83	54	-10.17	AV
H	17475.137	54.35	10.12	38.38	44.10	58.75	68.2	-9.45	PK
H	17475.137	42.11	10.12	38.38	44.10	46.51	54	-7.49	AV

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

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

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

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

Test Mode:	TX(5.8G) - 802.11n-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.122	57.42	5.94	35.40	44.00	54.76	74	-19.24	PK
V	4679.122	43.26	5.94	35.40	44.00	40.60	54	-13.40	AV
V	11490.146	55.56	8.46	39.75	44.50	59.27	68.2	-8.93	PK
V	11490.146	43.90	8.46	39.75	44.50	47.61	54	-6.39	AV
V	17235.169	60.99	10.12	38.80	44.10	65.81	68.2	-2.39	PK
V	17235.169	43.89	10.12	38.80	42.70	50.11	54	-3.89	AV
H	4679.116	57.32	5.94	35.18	44.00	54.44	74	-19.56	PK
H	4679.116	43.15	5.94	35.18	44.00	40.27	54	-13.73	AV
H	11490.039	51.01	8.46	38.71	44.50	53.68	68.2	-14.52	PK
H	11490.039	43.41	8.46	38.71	44.50	46.08	54	-7.92	AV
H	17235.036	52.71	10.12	38.38	44.10	57.11	68.2	-11.09	PK
H	17235.036	44.29	10.12	38.38	44.10	48.69	54	-5.31	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.055	58.75	6.48	36.35	44.05	57.53	74	-16.47	PK
V	4592.055	43.05	6.48	36.35	44.05	41.83	54	-12.17	AV
V	11570.115	54.80	8.47	37.88	44.51	56.64	68.2	-11.56	PK
V	11570.115	43.69	8.47	37.88	44.51	45.53	54	-8.47	AV
V	17355.072	61.90	10.12	38.80	44.10	66.72	68.2	-1.48	PK
V	17355.072	43.70	10.12	38.80	42.70	49.92	54	-4.08	AV
H	4592.035	58.31	6.48	36.37	44.05	57.11	74	-16.89	PK
H	4592.035	43.21	6.48	36.37	44.05	42.01	54	-11.99	AV
H	11570.013	54.45	8.47	38.64	44.50	57.06	68.2	-11.14	PK
H	11570.013	40.16	8.47	38.64	44.50	42.77	54	-11.23	AV
H	17355.157	51.94	10.12	38.38	44.10	56.34	68.2	-11.86	PK
H	17355.157	40.92	10.12	38.38	44.10	45.32	54	-8.68	AV
High Channel (5825 MHz)-Above 1G									
V	6039.199	59.52	7.10	37.24	43.50	60.36	68.2	-7.84	PK
V	6039.199	43.51	7.10	37.24	43.50	44.35	54	-9.65	AV
V	11650.123	59.20	8.46	37.68	44.50	60.84	74	-13.16	PK
V	11650.123	43.59	8.46	37.68	44.50	45.23	54	-8.77	AV
V	17475.026	57.54	10.12	38.80	44.10	62.36	68.2	-5.84	PK
V	17475.026	43.98	10.12	38.80	42.70	50.20	54	-3.80	AV
H	6039.019	56.47	7.10	37.24	43.50	57.31	68.2	-10.89	PK
H	6039.019	43.21	7.10	37.24	43.50	44.05	54	-9.95	AV
H	11650.074	52.15	8.46	38.57	44.50	54.68	74	-19.32	PK
H	11650.074	43.06	8.46	38.57	44.50	45.59	54	-8.41	AV
H	17475.132	54.37	10.12	38.38	44.10	58.77	68.2	-9.43	PK
H	17475.132	41.38	10.12	38.38	44.10	45.78	54	-8.22	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:	TX(5.8G) - 802.11n-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.107	57.91	5.94	35.40	44.00	55.25	74	-18.75	PK
V	4679.107	43.13	5.94	35.40	44.00	40.47	54	-13.53	AV
V	11510.008	55.88	8.46	39.75	44.50	59.59	74	-14.41	PK
V	11510.008	43.61	8.46	39.75	44.50	47.32	54	-6.68	AV
V	17265.181	58.63	10.12	38.80	44.10	63.45	68.2	-4.75	PK
V	17265.181	44.14	8.47	38.64	44.50	46.75	54	-7.25	AV
H	4679.106	60.44	5.94	35.18	44.00	57.56	74	-16.44	PK
H	4679.106	43.14	5.94	35.18	44.00	40.26	54	-13.74	AV
H	11510.041	50.47	8.46	38.71	44.50	53.14	74	-20.86	PK
H	11510.041	41.13	8.46	38.71	44.50	43.80	54	-10.20	AV
H	17265.028	51.17	10.12	38.38	44.10	55.57	68.2	-12.63	PK
H	17265.028	41.42	10.12	38.38	44.10	45.82	54	-8.18	AV
High Channel (5795 MHz)-Above 1G									
V	6039.007	59.84	6.48	36.35	44.05	58.62	68.2	-9.58	PK
V	6039.007	43.60	6.48	36.35	44.05	42.38	54	-11.62	AV
V	11590.103	56.93	8.47	37.88	44.51	58.77	74	-15.23	PK
V	11590.103	43.82	8.47	37.88	44.51	45.66	54	-8.34	AV
V	17385.197	55.19	10.12	38.80	44.10	60.01	68.2	-8.19	PK
V	17385.197	41.34	10.12	38.80	42.70	47.56	54	-6.44	AV
H	6039.046	59.55	6.48	36.37	44.05	58.35	68.2	-9.85	PK
H	6039.046	43.59	6.48	36.37	44.05	42.39	54	-11.61	AV
H	11590.156	53.20	8.47	38.64	44.50	55.81	74	-18.19	PK
H	11590.156	44.14	8.47	38.64	44.50	46.75	54	-7.25	AV
H	17385.062	50.88	10.12	38.38	44.10	55.28	68.2	-12.92	PK
H	17385.062	40.03	10.12	38.38	44.10	44.43	54	-9.57	AV

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

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

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

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

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G									
V	4679.184	60.16	5.94	35.40	44.00	57.50	74	-16.50	PK
V	4679.184	43.14	5.94	35.40	44.00	40.48	54	-13.52	AV
V	11490.016	53.95	8.46	39.75	44.50	57.66	68.2	-10.54	PK
V	11490.016	43.44	8.46	39.75	44.50	47.15	54	-6.85	AV
V	17235.054	58.47	10.12	38.80	44.10	63.29	68.2	-4.91	PK
V	17235.054	43.29	10.12	38.80	42.70	49.51	54	-4.49	AV
H	4679.017	59.73	5.94	35.18	44.00	56.85	74	-17.15	PK
H	4679.017	43.57	5.94	35.18	44.00	40.69	54	-13.31	AV
H	11490.155	51.19	8.46	38.71	44.50	53.86	68.2	-14.34	PK
H	11490.155	44.56	8.46	38.71	44.50	47.23	54	-6.77	AV
H	17235.111	54.27	10.12	38.38	44.10	58.67	68.2	-9.53	PK
H	17235.111	43.41	10.12	38.38	44.10	47.81	54	-6.19	AV
Middle Channel (5785 MHz)-Above 1G									
V	4592.026	58.86	6.48	36.35	44.05	57.64	74	-16.36	PK
V	4592.026	43.52	6.48	36.35	44.05	42.30	54	-11.70	AV
V	11570.120	57.81	8.47	37.88	44.51	59.65	68.2	-8.55	PK
V	11570.120	43.71	8.47	37.88	44.51	45.55	54	-8.45	AV
V	17355.049	60.01	10.12	38.80	44.10	64.83	68.2	-3.37	PK
V	17355.049	43.56	10.12	38.80	42.70	49.78	54	-4.22	AV
H	4592.157	56.13	6.48	36.37	44.05	54.93	74	-19.07	PK
H	4592.157	43.46	6.48	36.37	44.05	42.26	54	-11.74	AV
H	11570.186	54.94	8.47	38.64	44.50	57.55	68.2	-10.65	PK
H	11570.186	43.68	8.47	38.64	44.50	46.29	54	-7.71	AV
H	17355.154	52.46	10.12	38.38	44.10	56.86	68.2	-11.34	PK
H	17355.154	40.78	10.12	38.38	44.10	45.18	54	-8.82	AV
High Channel (5825 MHz)-Above 1G									
V	6039.092	57.16	7.10	37.24	43.50	58.00	68.2	-10.20	PK
V	6039.092	43.89	7.10	37.24	43.50	44.73	54	-9.27	AV
V	11650.157	56.46	8.46	37.68	44.50	58.10	74	-15.90	PK
V	11650.157	43.30	8.46	37.68	44.50	44.94	54	-9.06	AV
V	17475.044	55.81	10.12	38.80	44.10	60.63	68.2	-7.57	PK
V	17475.044	43.26	10.12	38.80	42.70	49.48	54	-4.52	AV
H	6039.158	59.76	7.10	37.24	43.50	60.60	68.2	-7.60	PK
H	6039.158	43.21	7.10	37.24	43.50	44.05	54	-9.95	AV
H	11650.149	51.42	8.46	38.57	44.50	53.95	74	-20.05	PK
H	11650.149	43.55	8.46	38.57	44.50	46.08	54	-7.92	AV
H	17475.113	50.37	10.12	38.38	44.10	54.77	68.2	-13.43	PK
H	17475.113	42.22	10.12	38.38	44.10	46.62	54	-7.38	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:	TX(5.8G) - 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G									
V	4679.188	57.51	5.94	35.40	44.00	54.85	74	-19.15	PK
V	4679.188	43.21	5.94	35.40	44.00	40.55	54	-13.45	AV
V	11510.053	56.68	8.46	39.75	44.50	60.39	74	-13.61	PK
V	11510.053	43.60	8.46	39.75	44.50	47.31	54	-6.69	AV
V	17265.091	57.64	10.12	38.80	44.10	62.46	68.2	-5.74	PK
V	17265.091	44.49	8.47	38.64	44.50	47.10	54	-6.90	AV
H	4679.085	57.95	5.94	35.18	44.00	55.07	74	-18.93	PK
H	4679.085	43.89	5.94	35.18	44.00	41.01	54	-12.99	AV
H	11510.171	51.66	8.46	38.71	44.50	54.33	74	-19.67	PK
H	11510.171	42.60	8.46	38.71	44.50	45.27	54	-8.73	AV
H	17265.173	52.15	10.12	38.38	44.10	56.55	68.2	-11.65	PK
H	17265.173	43.64	10.12	38.38	44.10	48.04	54	-5.96	AV
High Channel (5795 MHz)-Above 1G									
V	6039.080	60.47	6.48	36.35	44.05	59.25	68.2	-8.95	PK
V	6039.080	43.51	6.48	36.35	44.05	42.29	54	-11.71	AV
V	11590.114	57.94	8.47	37.88	44.51	59.78	74	-14.22	PK
V	11590.114	43.71	8.47	37.88	44.51	45.55	54	-8.45	AV
V	17385.118	55.18	10.12	38.80	44.10	60.00	68.2	-8.20	PK
V	17385.118	41.66	10.12	38.80	42.70	47.88	54	-6.12	AV
H	6039.108	57.87	6.48	36.37	44.05	56.67	68.2	-11.53	PK
H	6039.108	43.18	6.48	36.37	44.05	41.98	54	-12.02	AV
H	11590.185	53.35	8.47	38.64	44.50	55.96	74	-18.04	PK
H	11590.185	44.49	8.47	38.64	44.50	47.10	54	-6.90	AV
H	17385.001	54.14	10.12	38.38	44.10	58.54	68.2	-9.66	PK
H	17385.001	44.31	10.12	38.38	44.10	48.71	54	-5.29	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:	TX(5.8G) - 802.11ac-HT80
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Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Detector Type
(5775 MHz)-Above 1G									
V	4679.062	57.72	5.94	35.40	44.00	55.06	74	-18.94	PK
V	4679.062	43.72	5.94	35.40	44.00	41.06	54	-12.94	AV
V	11550.129	58.17	8.46	39.75	44.50	61.88	74	-12.12	PK
V	11550.129	42.33	8.46	39.75	44.50	46.04	54	-7.96	AV
V	17325.189	60.35	10.12	38.80	44.10	65.17	68.2	-3.03	PK
V	17325.189	41.44	10.12	38.80	42.70	47.66	54	-6.34	AV
H	4679.172	55.58	5.94	35.18	44.00	52.70	74	-21.30	PK
H	4679.172	43.03	5.94	35.18	44.00	40.15	54	-13.85	AV
H	11550.138	50.88	8.46	38.71	44.50	53.55	74	-20.45	PK
H	11550.138	42.87	8.46	38.71	44.50	45.54	54	-8.46	AV
H	17325.032	53.18	10.12	38.38	44.10	57.58	68.2	-10.62	PK
H	17325.032	44.15	10.12	38.38	44.10	48.55	54	-5.45	AV

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

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

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

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

8. Power Spectral Density Test

8.1 Block Diagram Of Test Setup



8.2 Limit

For the band 5.15-5.25 GHz,

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

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

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

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

For the band 5.725-5.85 GHz

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

8.3 Test procedure

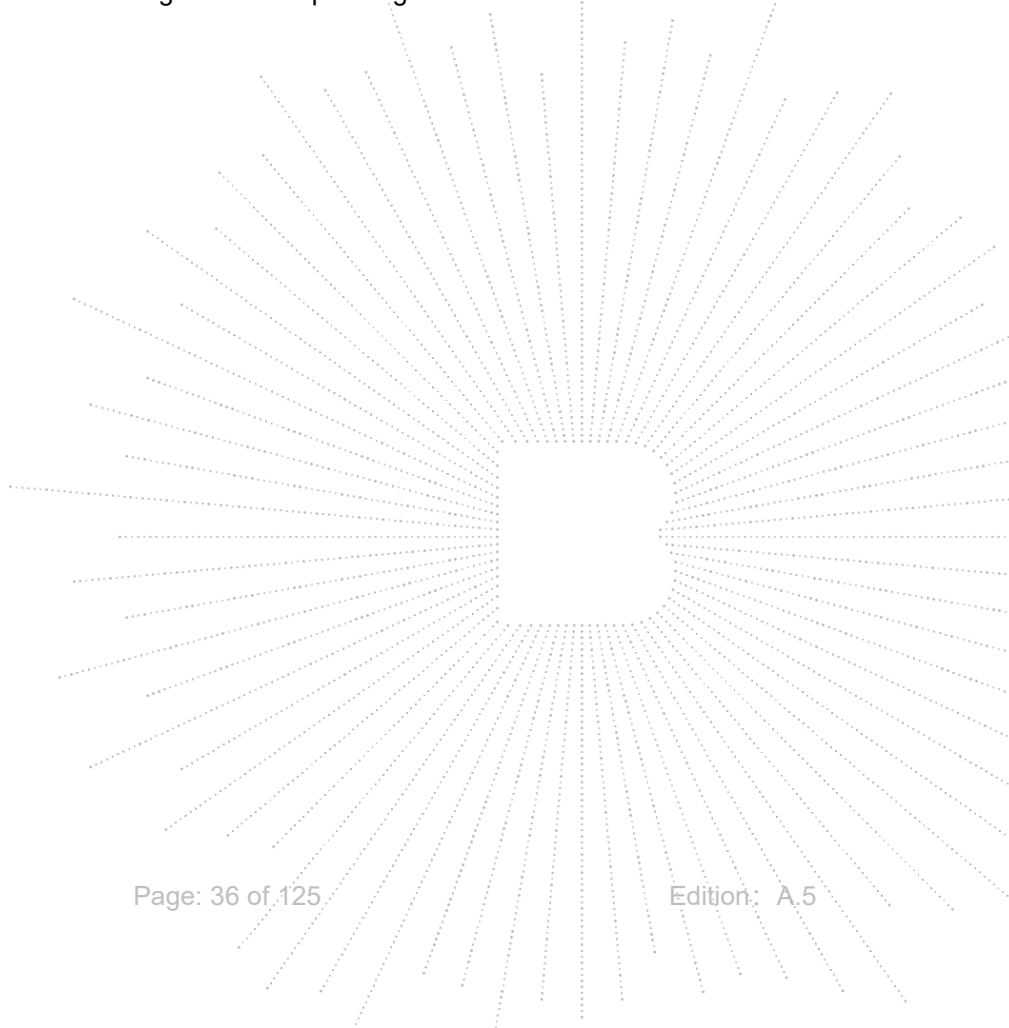
For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of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

- a) Set $RBW \geq 1/T$, 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 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 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

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

8.4 EUT operating Conditions

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

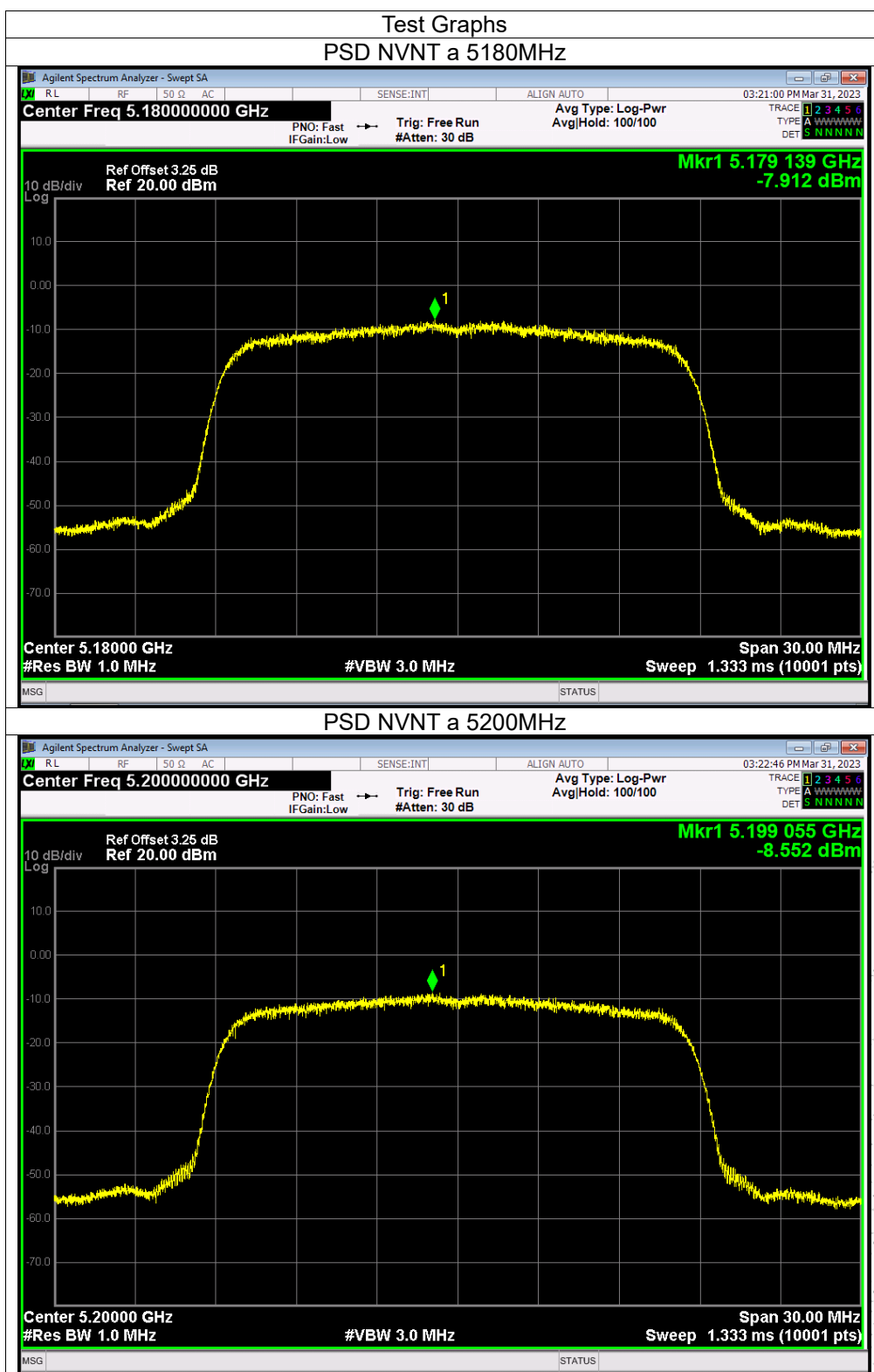


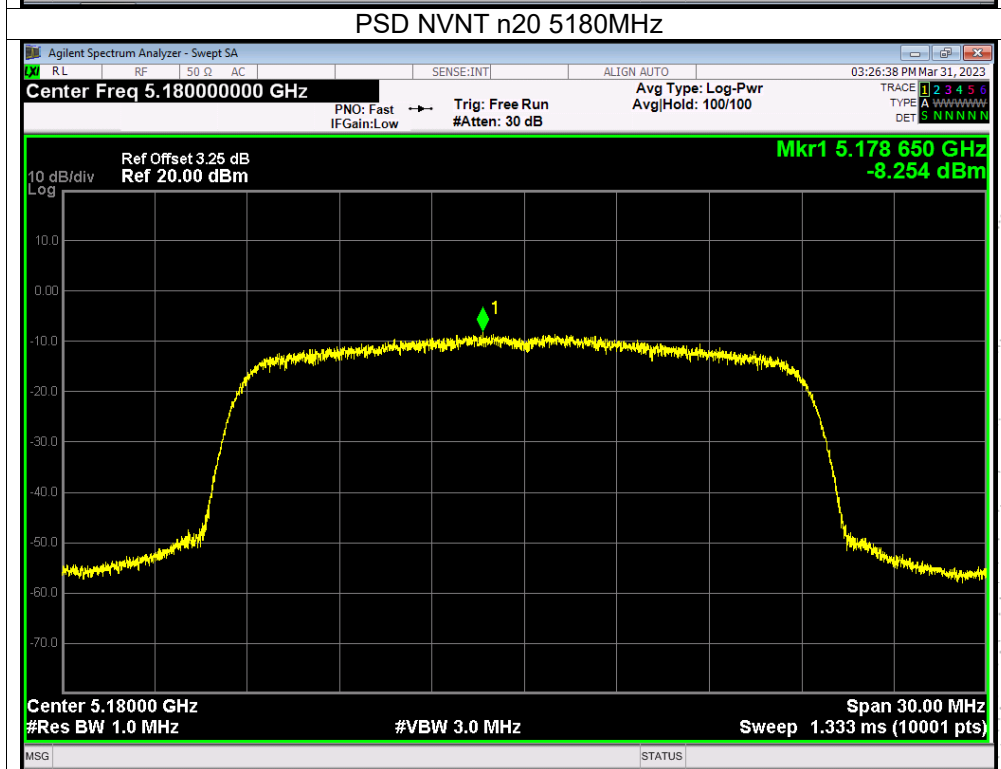
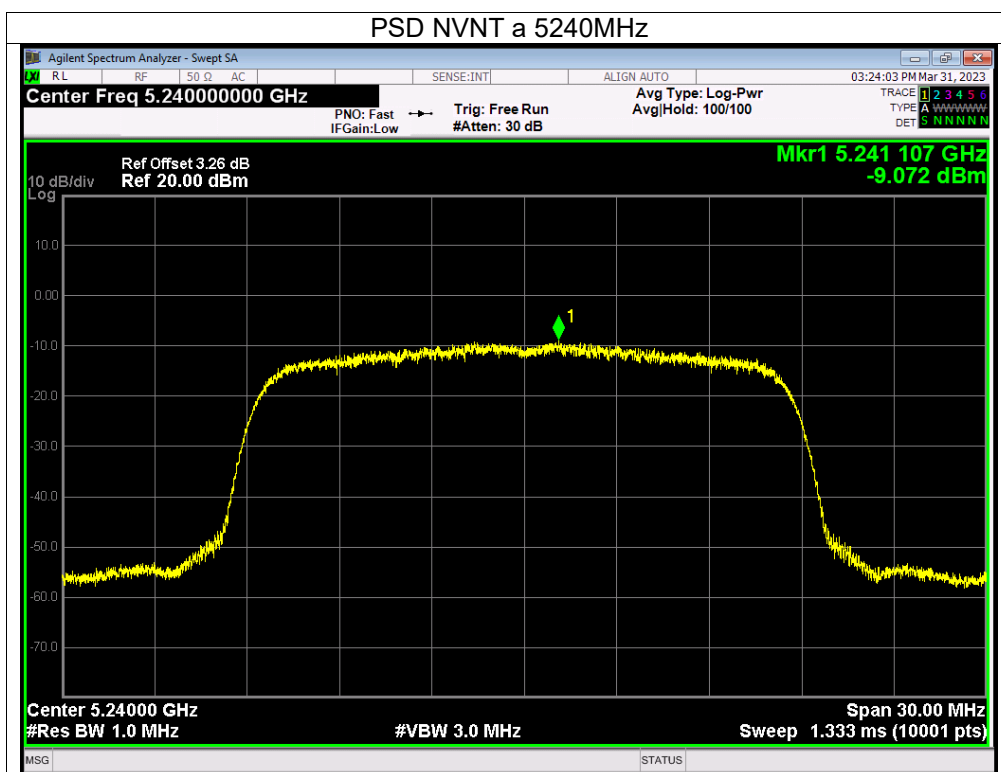
8.5 Test Result

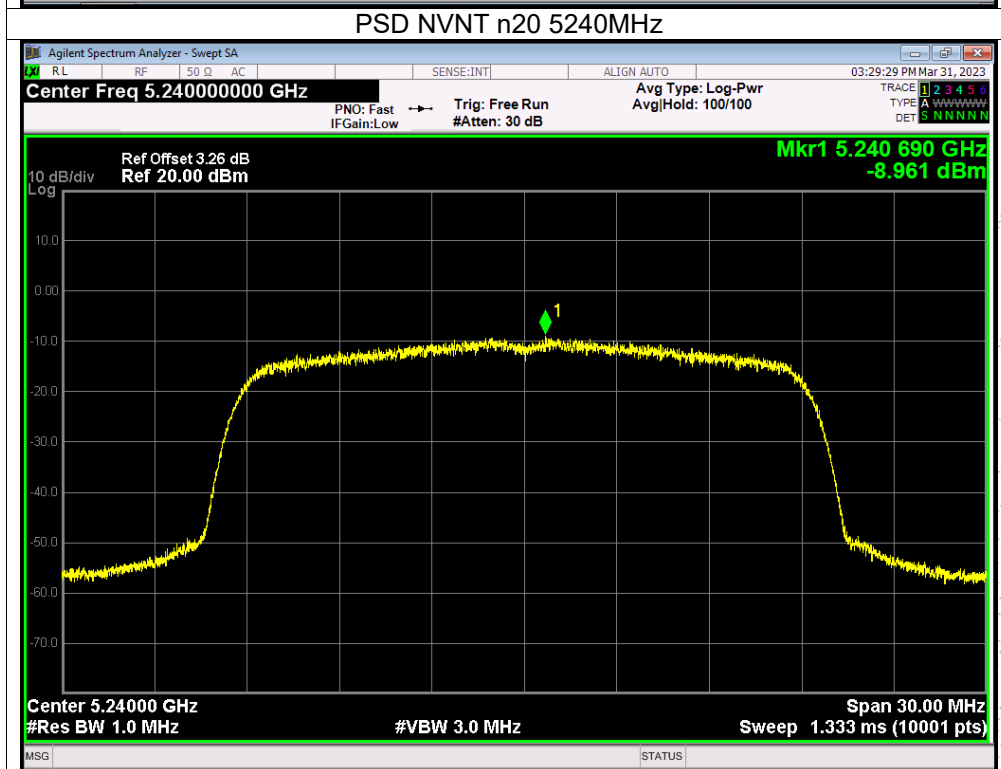
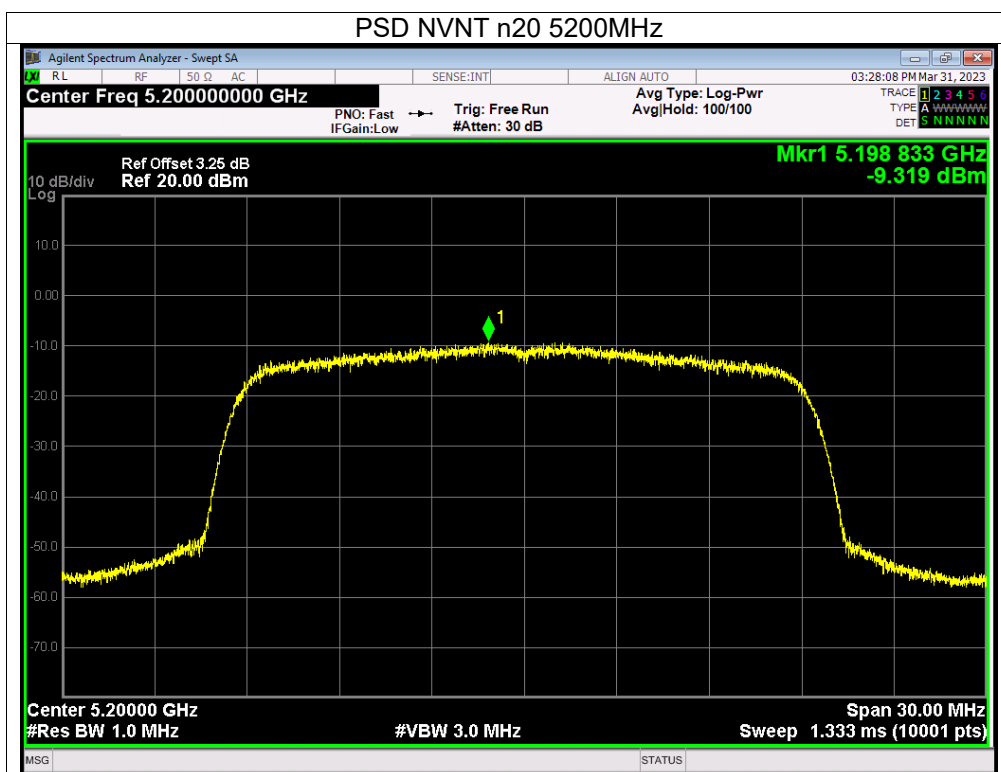
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	(5180-5240MHz); (5745-5825MHz)		

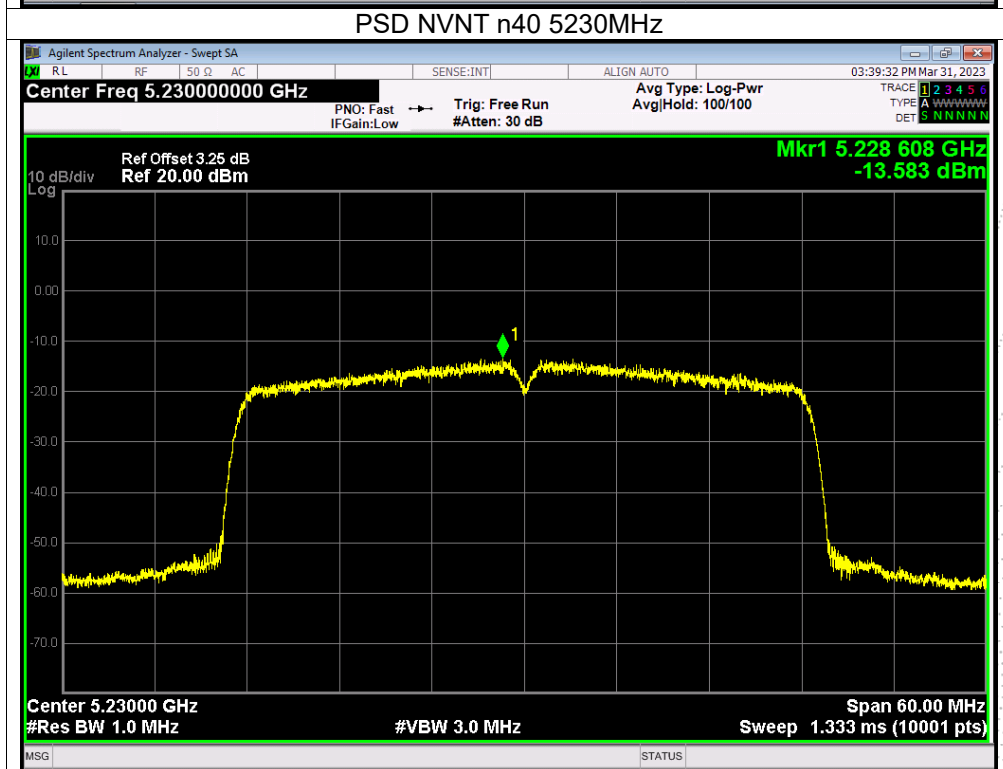
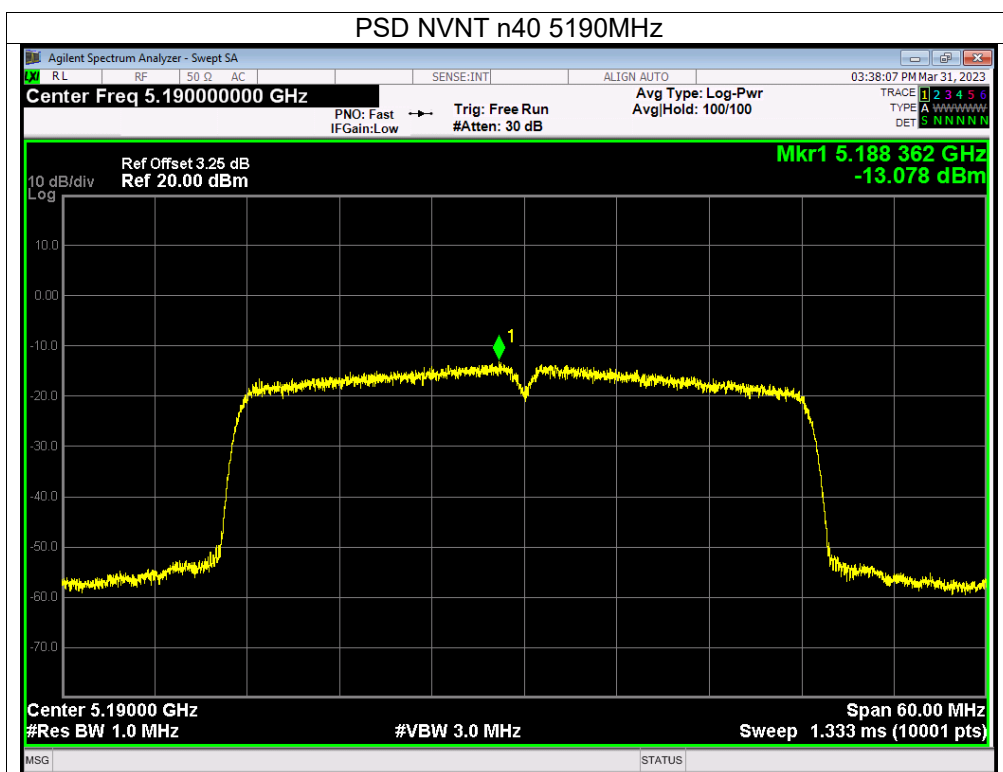
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	-7.91	11	Pass
NVNT	a	5200	-8.55	11	Pass
NVNT	a	5240	-9.07	11	Pass
NVNT	n20	5180	-8.25	11	Pass
NVNT	n20	5200	-9.32	11	Pass
NVNT	n20	5240	-8.96	11	Pass
NVNT	n40	5190	-13.08	11	Pass
NVNT	n40	5230	-13.58	11	Pass
NVNT	ac20	5180	-9.17	11	Pass
NVNT	ac20	5200	-10.28	11	Pass
NVNT	ac20	5240	-9.90	11	Pass
NVNT	ac40	5190	-13.55	11	Pass
NVNT	ac40	5230	-12.71	11	Pass
NVNT	ac80	5210	-17.25	11	Pass

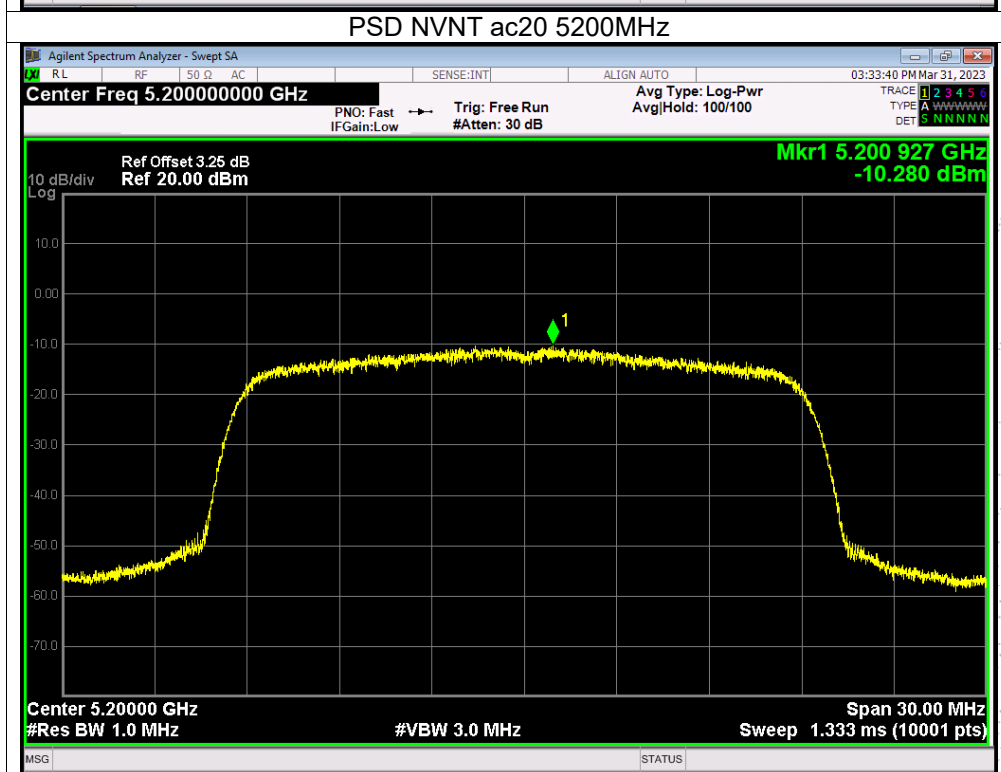
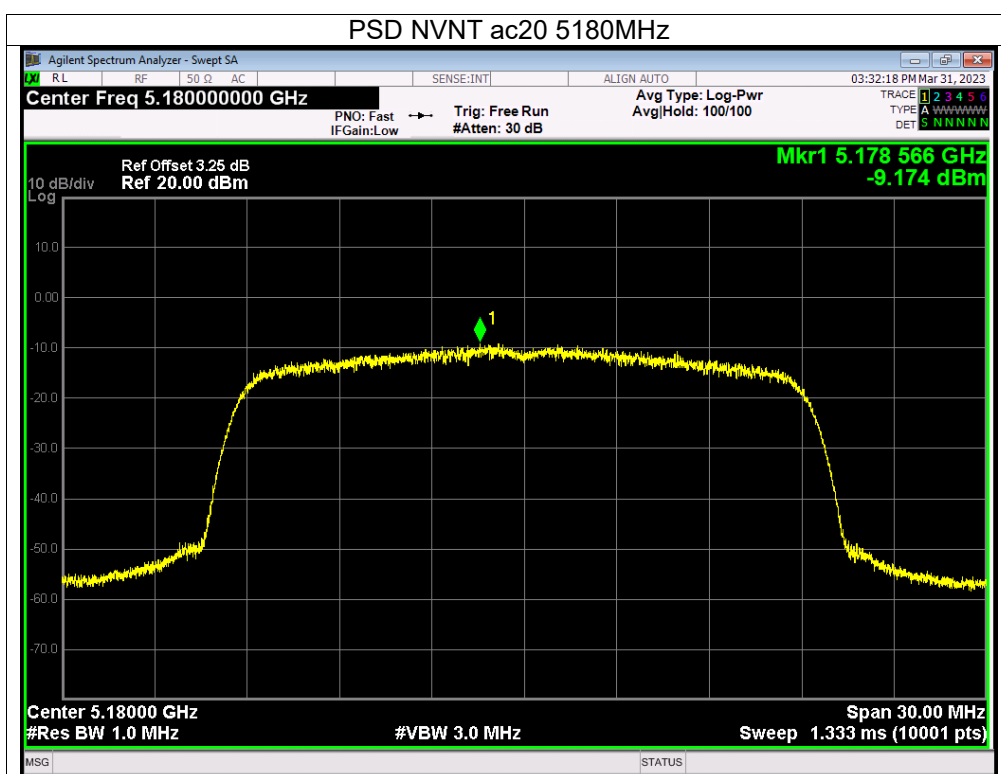
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	-11.29	30	Pass
NVNT	a	5785	-13.30	30	Pass
NVNT	a	5825	-14.66	30	Pass
NVNT	n20	5745	-13.55	30	Pass
NVNT	n20	5785	-12.65	30	Pass
NVNT	n20	5825	-12.78	30	Pass
NVNT	n40	5755	-16.69	30	Pass
NVNT	n40	5795	-18.72	30	Pass
NVNT	ac20	5745	-12.85	30	Pass
NVNT	ac20	5785	-12.59	30	Pass
NVNT	ac20	5825	-13.38	30	Pass
NVNT	ac40	5755	-16.99	30	Pass
NVNT	ac40	5795	-17.19	30	Pass
NVNT	ac80	5775	-21.03	30	Pass

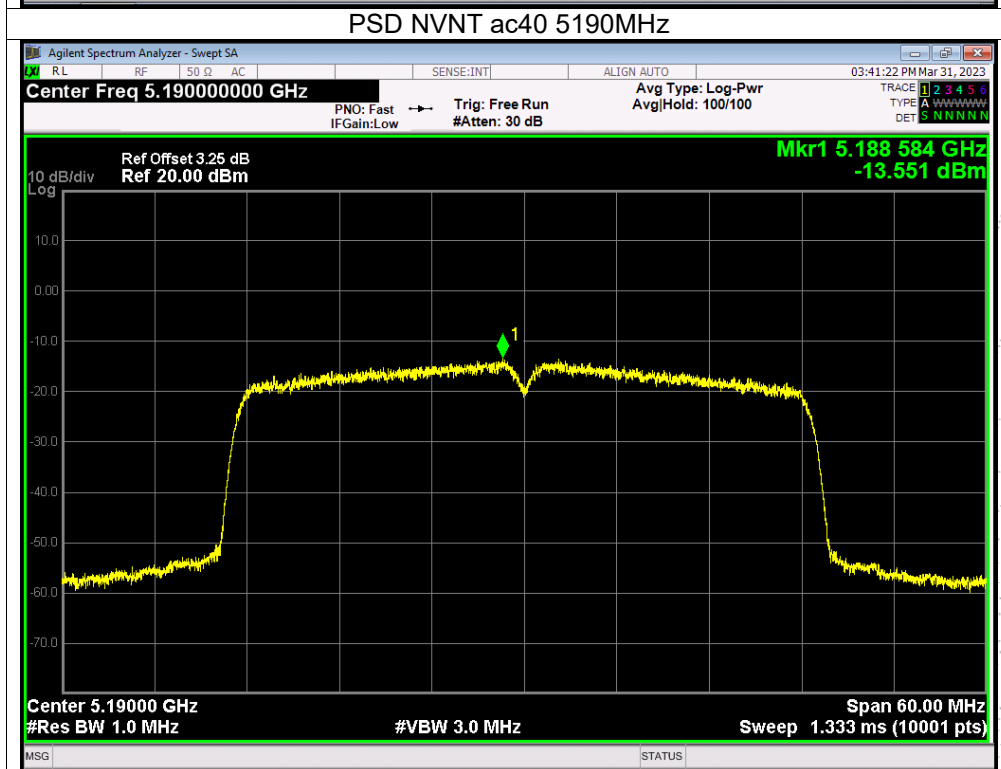
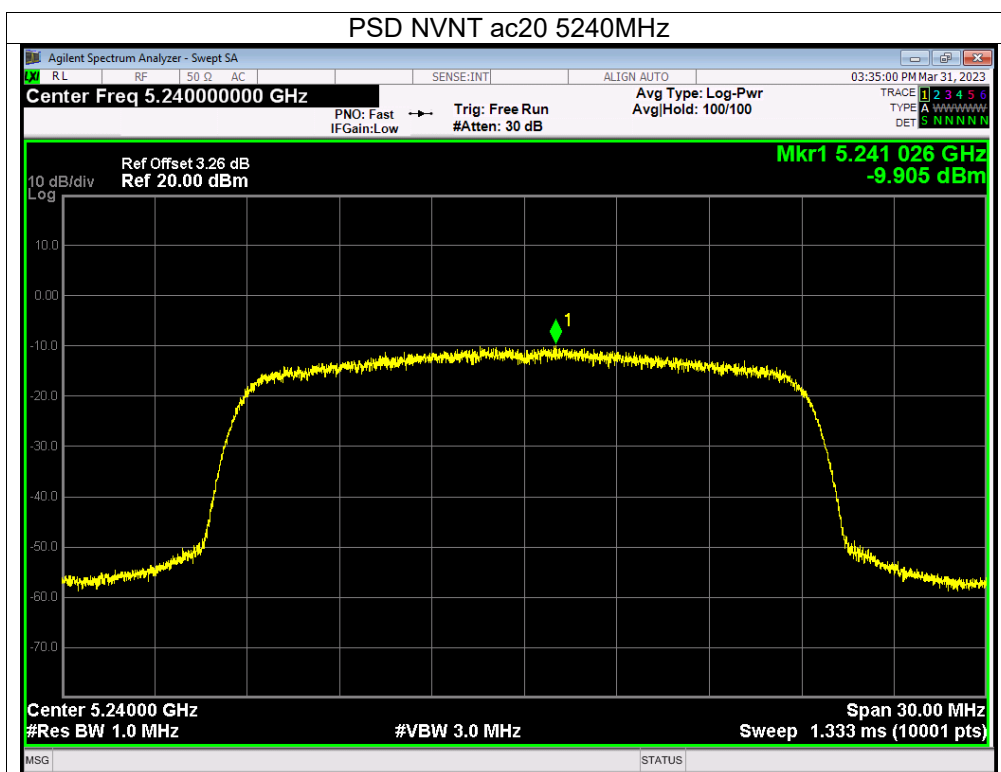


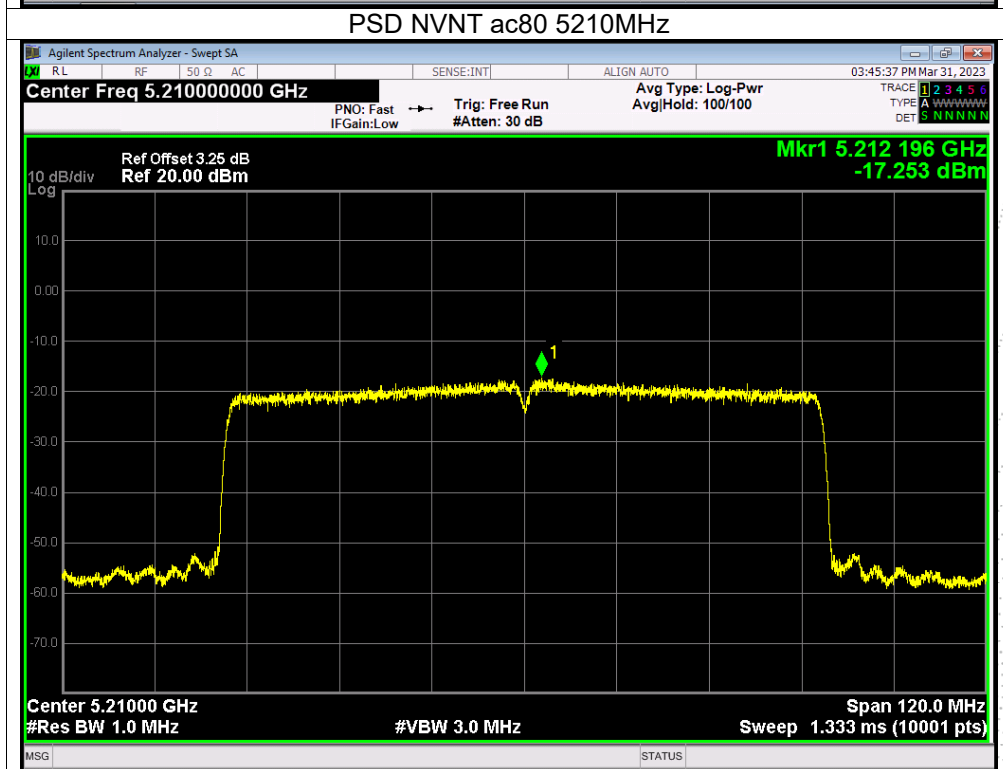
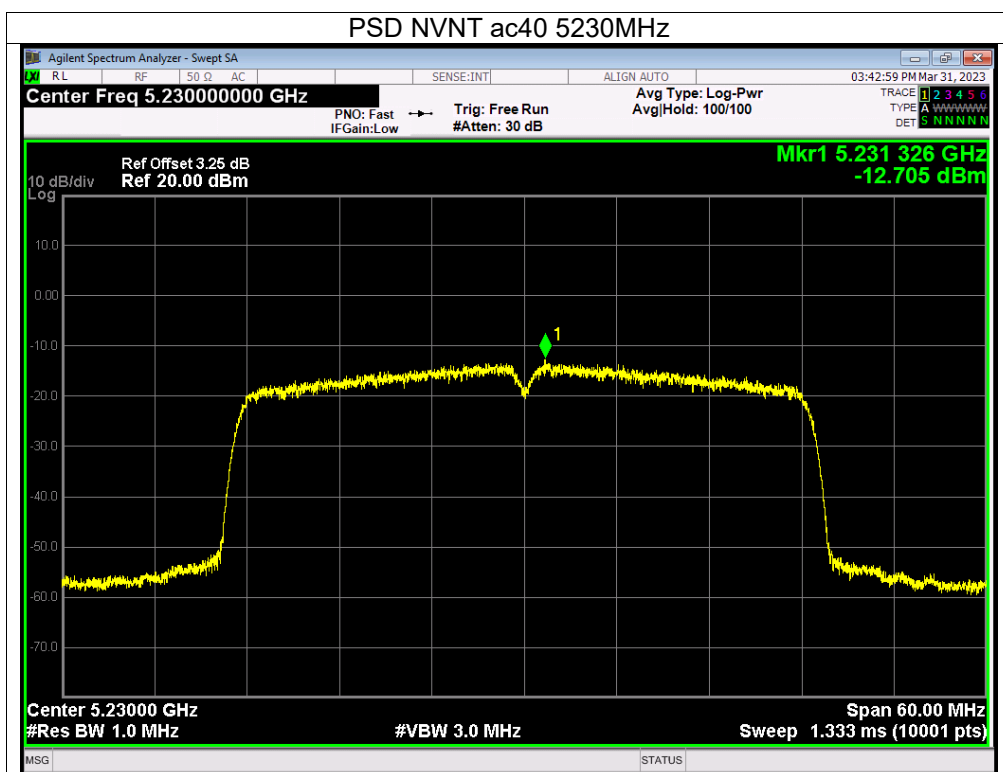


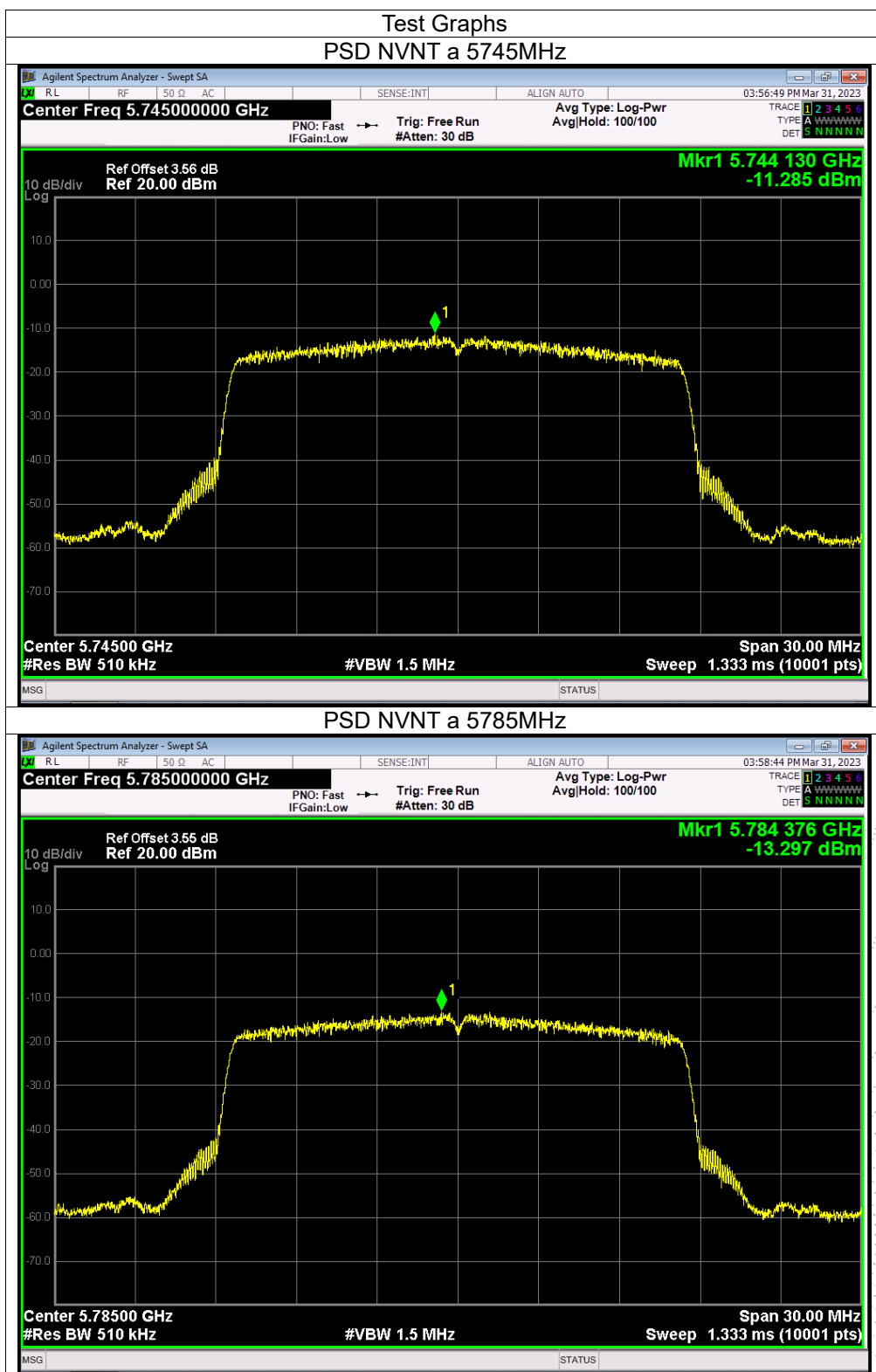


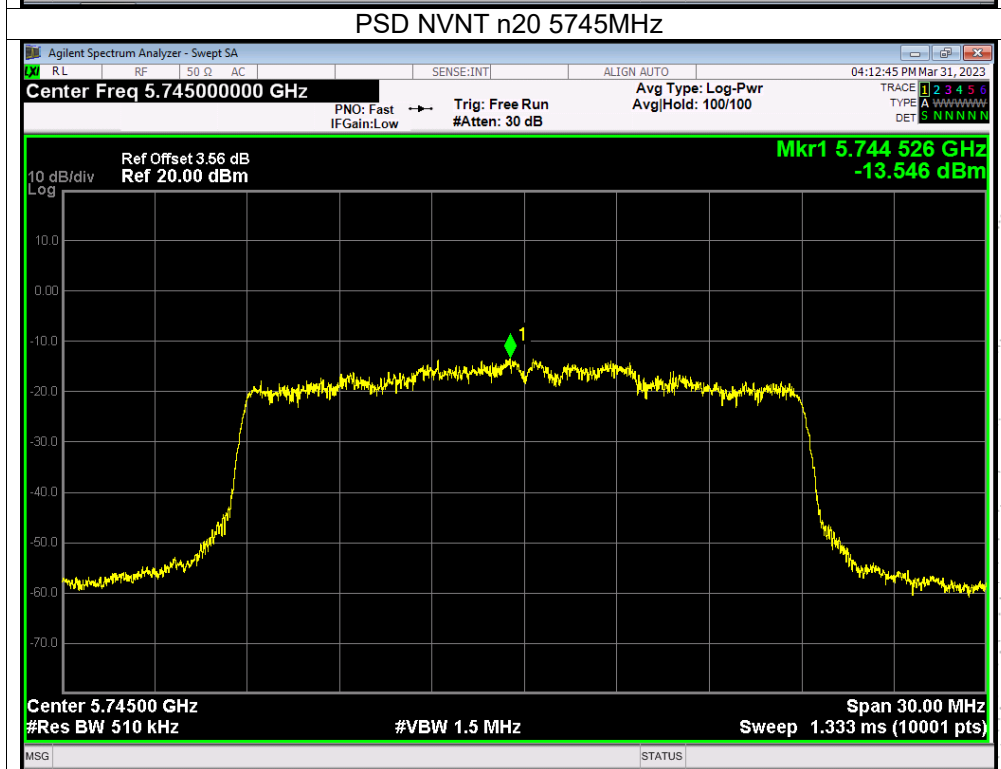
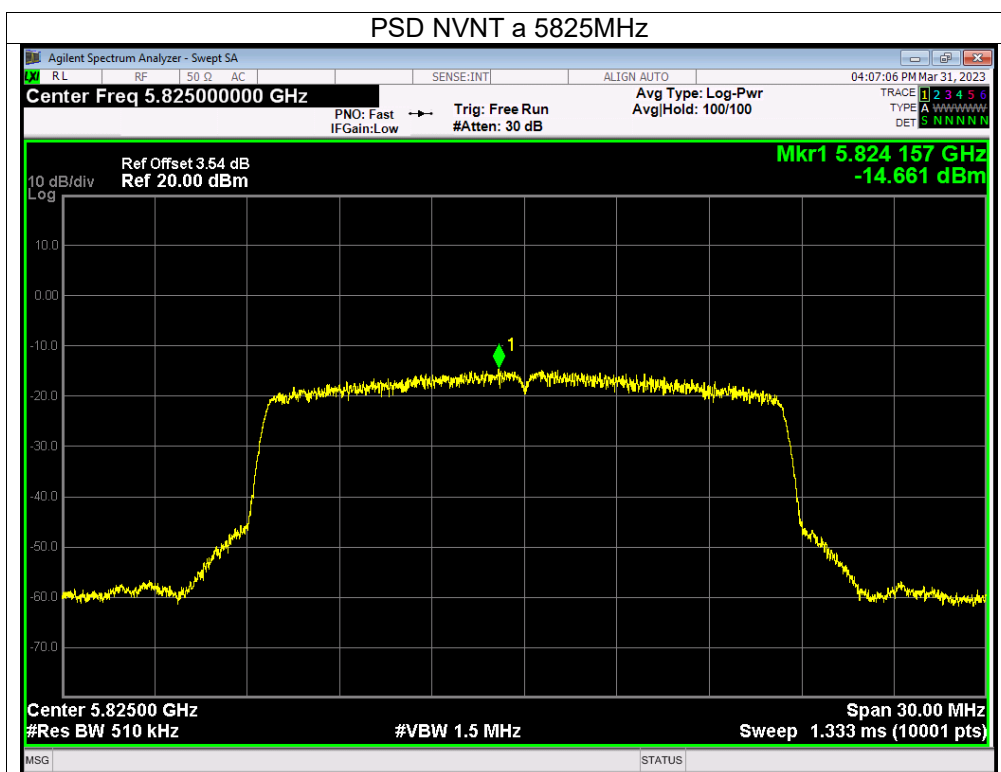


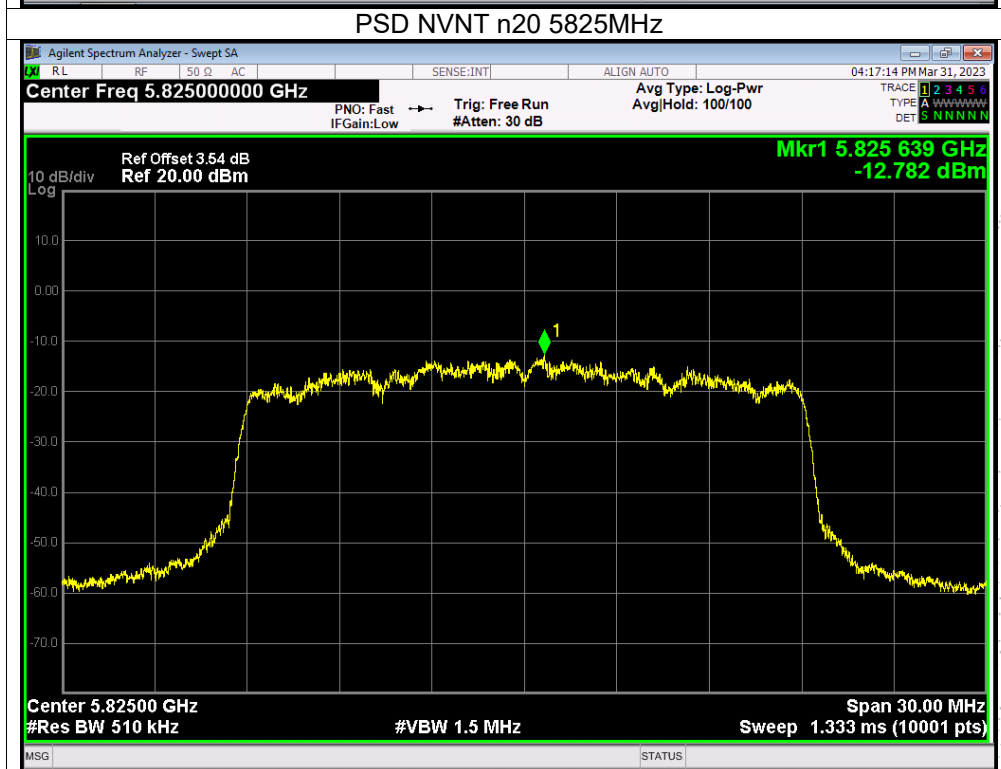
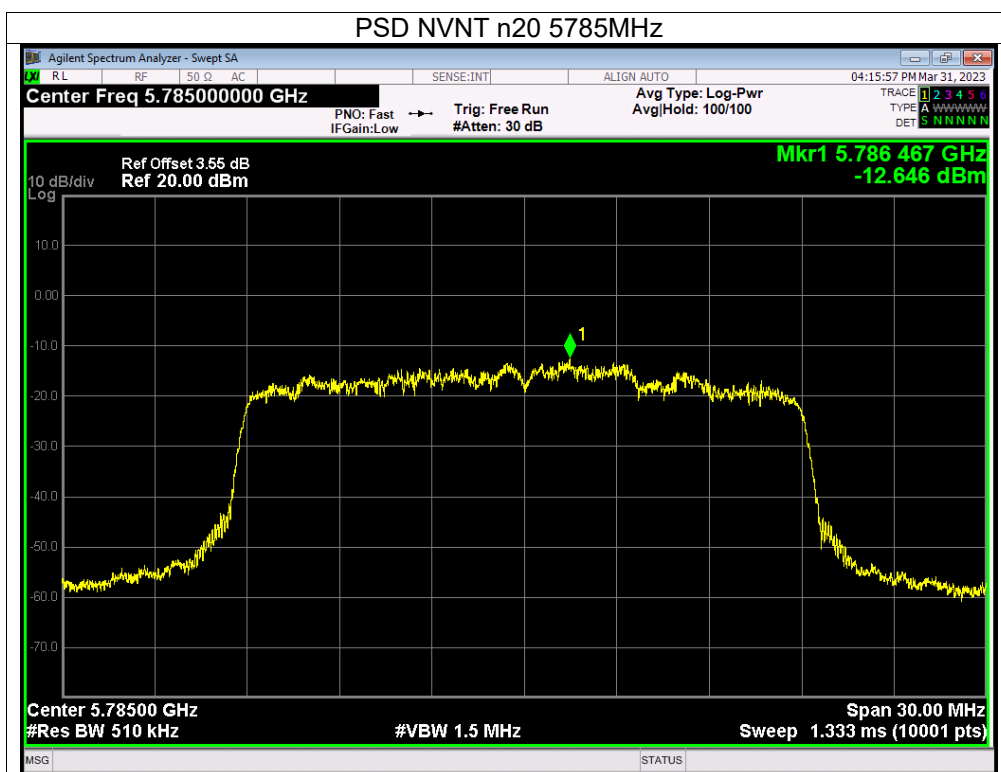


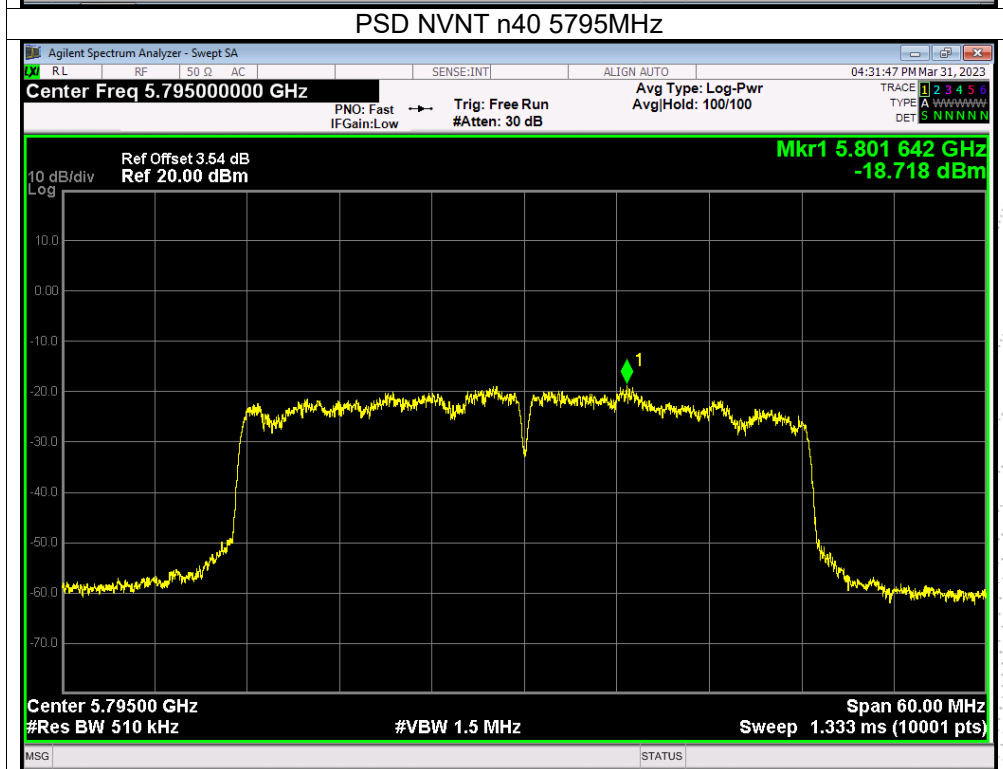
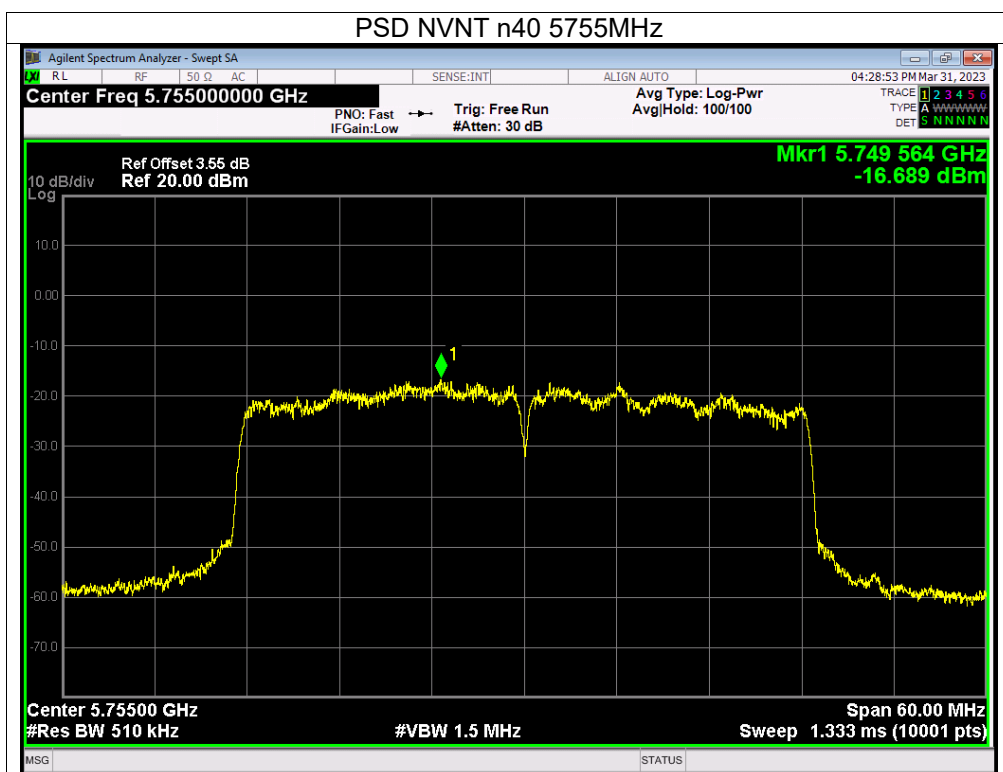


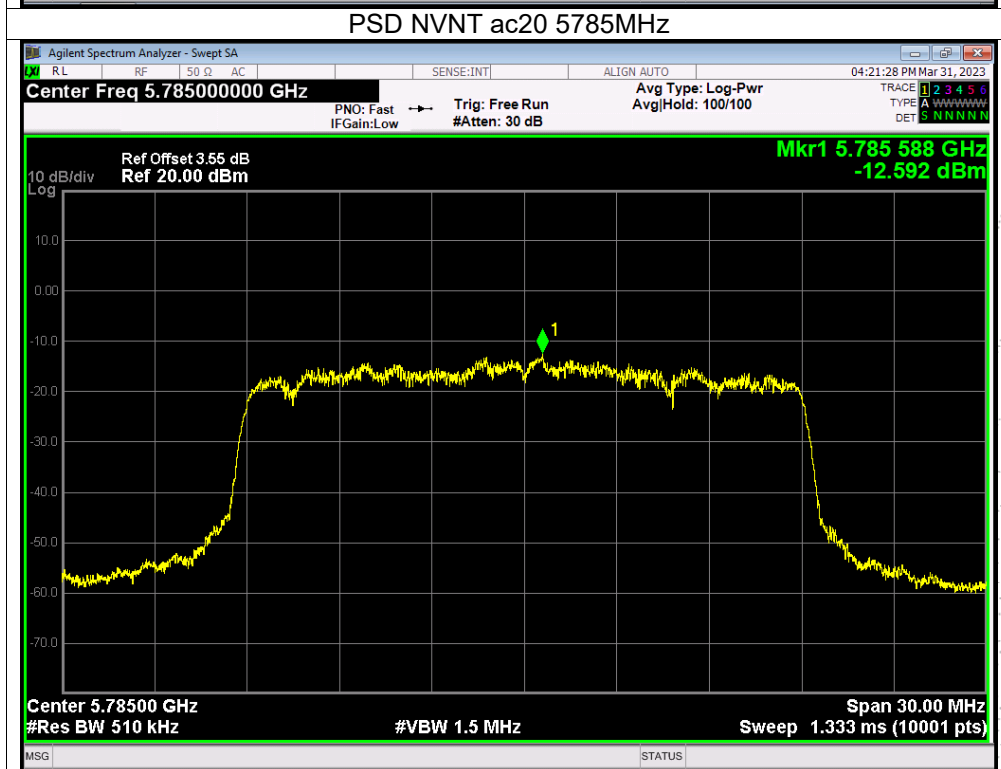
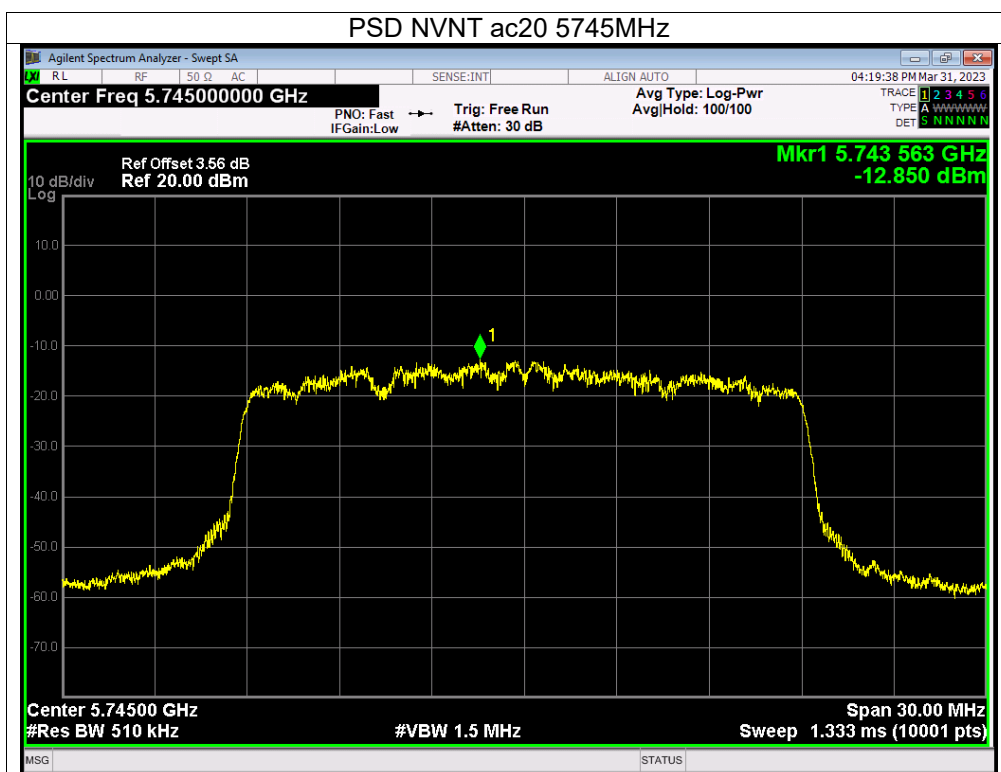


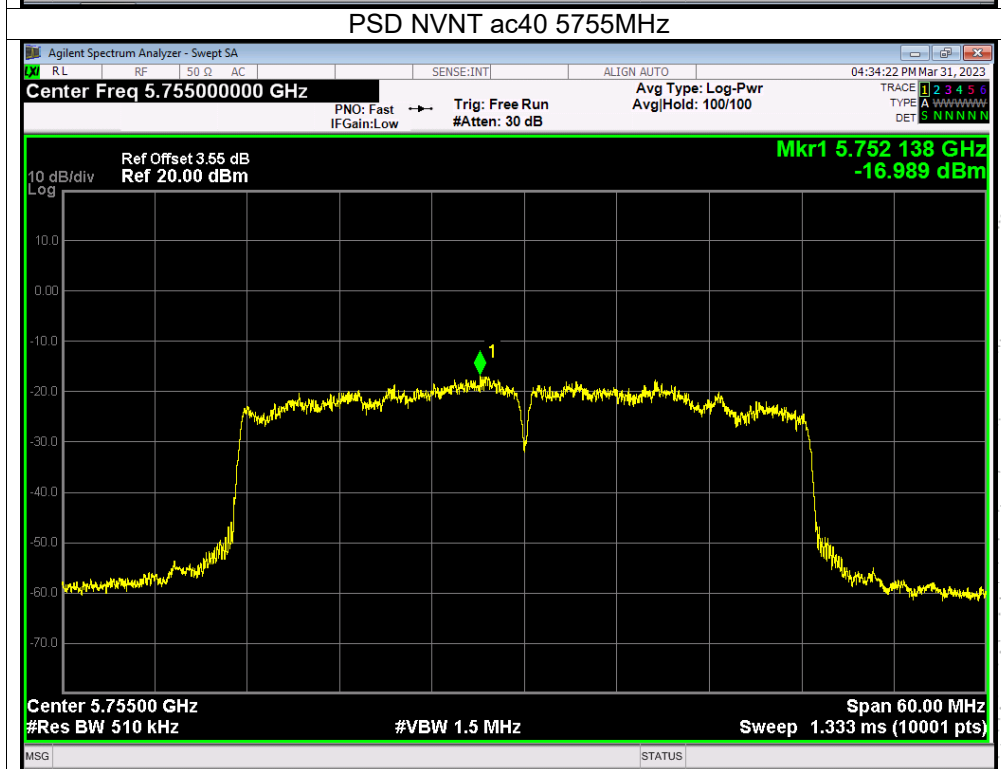
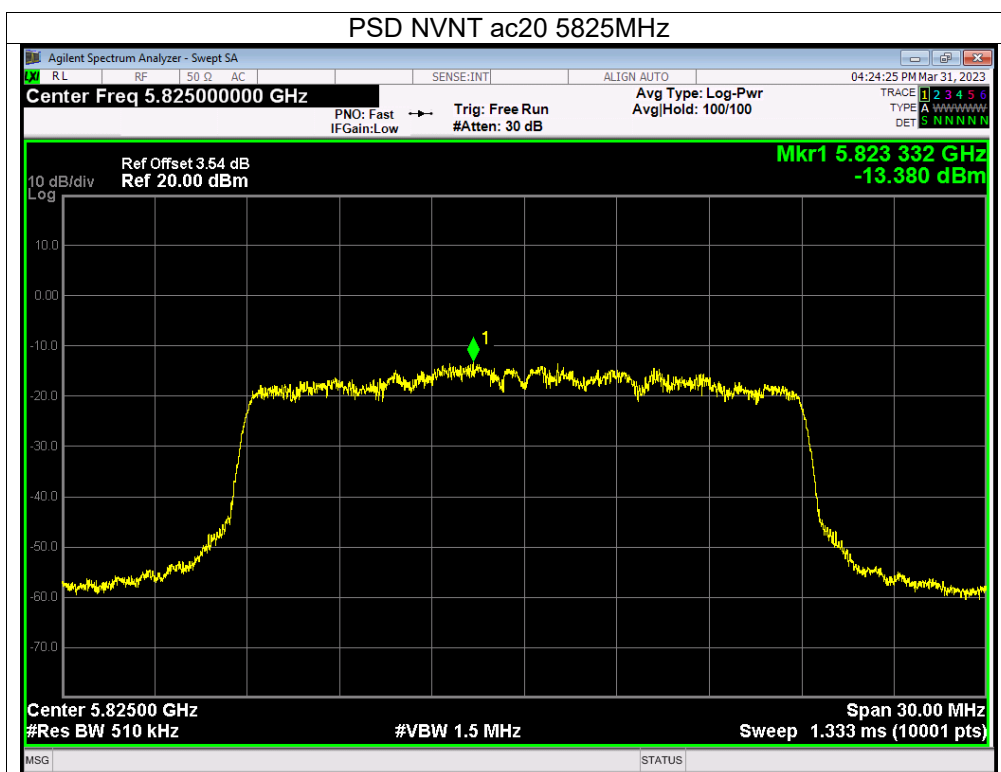


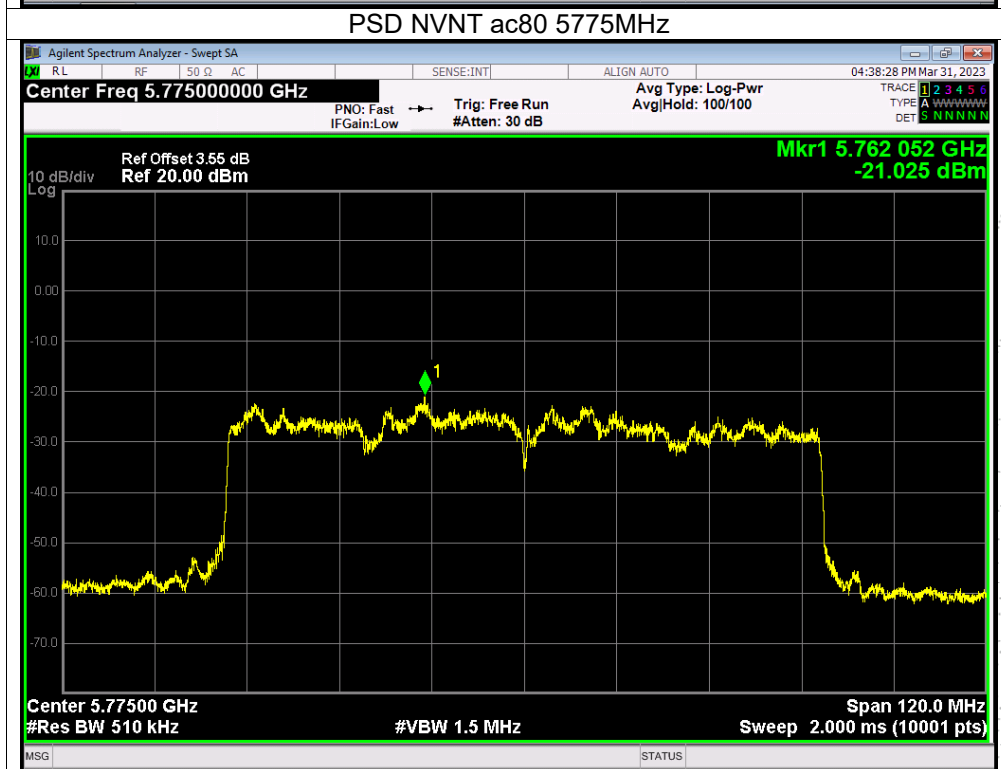
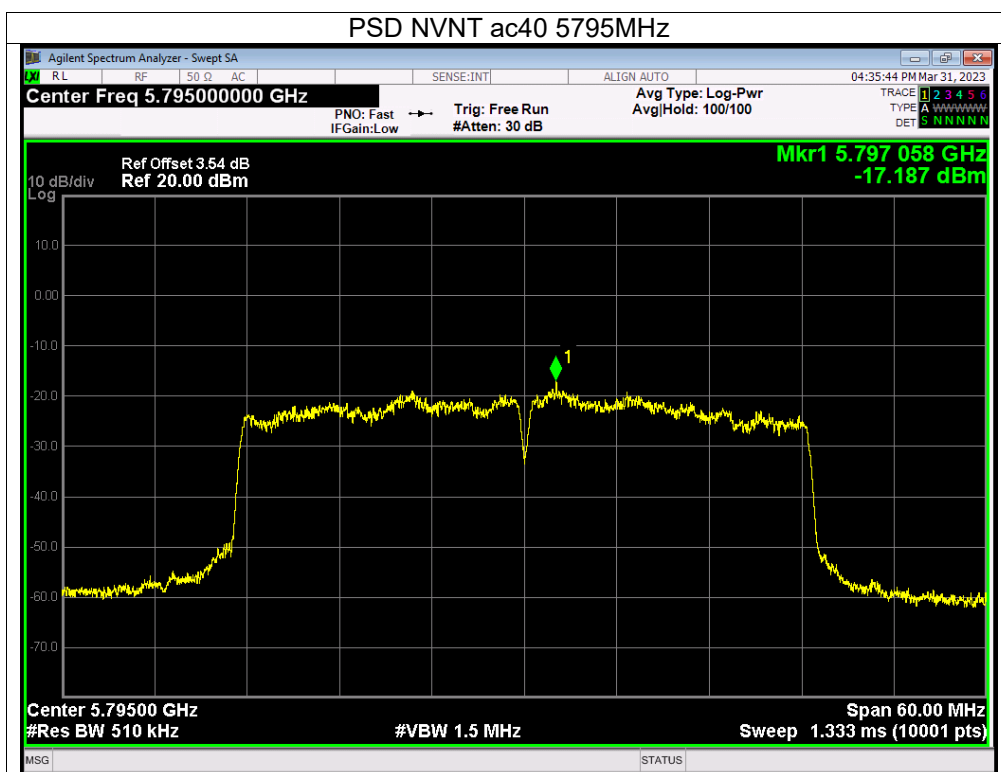






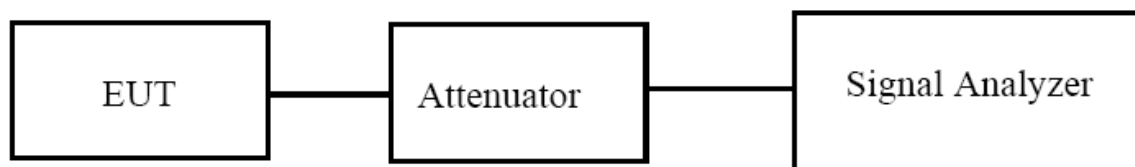






9. 26dB & 6dB & 99% Emission Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

9.3 Test procedure

a) Set RBW = approximately 1% of the emission bandwidth.

b) Set the VBW > RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

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

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

2. Set span = 1.5 times to 5.0 times the OBW.

3. Set RBW = 1 % to 5 % of the OBW

4. Set VBW $\geq 3 \cdot$ RBW

5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

6. Use the 99 % power bandwidth function of the instrument (if available).

7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

9.4 EUT operating Conditions

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

9.5 Test Result

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

Condition	Mode	Frequency (MHz)	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	19.797	Pass
NVNT	a	5200	19.733	Pass
NVNT	a	5240	19.941	Pass
NVNT	n20	5180	20.193	Pass
NVNT	n20	5200	20.149	Pass
NVNT	n20	5240	20.303	Pass
NVNT	n40	5190	41.457	Pass
NVNT	n40	5230	41.140	Pass
NVNT	ac20	5180	20.050	Pass
NVNT	ac20	5200	20.041	Pass
NVNT	ac20	5240	20.239	Pass
NVNT	ac40	5190	41.208	Pass
NVNT	ac40	5230	41.137	Pass
NVNT	ac80	5210	80.976	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5180	16.366
NVNT	a	5200	16.353
NVNT	a	5240	16.361
NVNT	n20	5180	17.518
NVNT	n20	5200	17.522
NVNT	n20	5240	17.523
NVNT	n40	5190	35.918
NVNT	n40	5230	35.851
NVNT	ac20	5180	17.507
NVNT	ac20	5200	17.511
NVNT	ac20	5240	17.509
NVNT	ac40	5190	35.918
NVNT	ac40	5230	35.931
NVNT	ac80	5210	75.599

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

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	16.061	0.5	Pass
NVNT	a	5785	16.318	0.5	Pass
NVNT	a	5825	15.616	0.5	Pass
NVNT	n20	5745	15.087	0.5	Pass
NVNT	n20	5785	15.002	0.5	Pass
NVNT	n20	5825	13.166	0.5	Pass
NVNT	n40	5755	35.049	0.5	Pass
NVNT	n40	5795	35.053	0.5	Pass
NVNT	ac20	5745	13.830	0.5	Pass
NVNT	ac20	5785	15.000	0.5	Pass
NVNT	ac20	5825	15.054	0.5	Pass
NVNT	ac40	5755	33.838	0.5	Pass
NVNT	ac40	5795	35.037	0.5	Pass
NVNT	ac80	5775	75.478	0.5	Pass

Condition	Mode	Frequency (MHz)	99% OBW (MHz)
NVNT	a	5745	16.388
NVNT	a	5785	16.378
NVNT	a	5825	16.357
NVNT	n20	5745	17.510
NVNT	n20	5785	17.514
NVNT	n20	5825	17.489
NVNT	n40	5755	35.929
NVNT	n40	5795	35.839
NVNT	ac20	5745	17.506
NVNT	ac20	5785	17.511
NVNT	ac20	5825	17.493
NVNT	ac40	5755	35.881
NVNT	ac40	5795	35.855
NVNT	ac80	5775	75.608

