

# TEST REPORT

Report No.: BCTC2211946586-4E

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Applicant: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY  
CO.,LTD

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Product Name: Tablet

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Model/Type  
reference: RT3

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Tested Date: 2022-11-16 to 2022-12-08

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Issued Date: 2022-12-09

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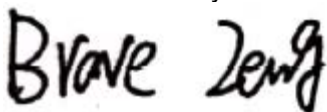
**Shenzhen BCTC Testing Co., Ltd.**



# FCC ID: 2ANMU-RT3

Product Name: Tablet  
Trademark: OUKITEL  
Model/Type reference: RT3  
RT3 Pro, RT3 S  
Prepared For: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD  
Address: A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,  
GUANLAN, LONGHUA SHENZHEN, 518XXX China  
Manufacturer: SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD  
Address: A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE,  
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Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng,  
Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
Sample Received Date: 2022-11-16  
Sample tested Date: 2022-11-16 to 2022-12-08  
Issue Date: 2022-12-09  
Report No.: BCTC2211946586-4E  
FCC Part15 15.407  
ANSI C63.10-2013  
Test Standards: KDB 662911 D01 v02r01  
KDB 789033 D02 v02r01  
Test Results: PASS

Tested by:



Brave Zeng/ Project Handler

Approved by:



Zero Zhou/Reviewer

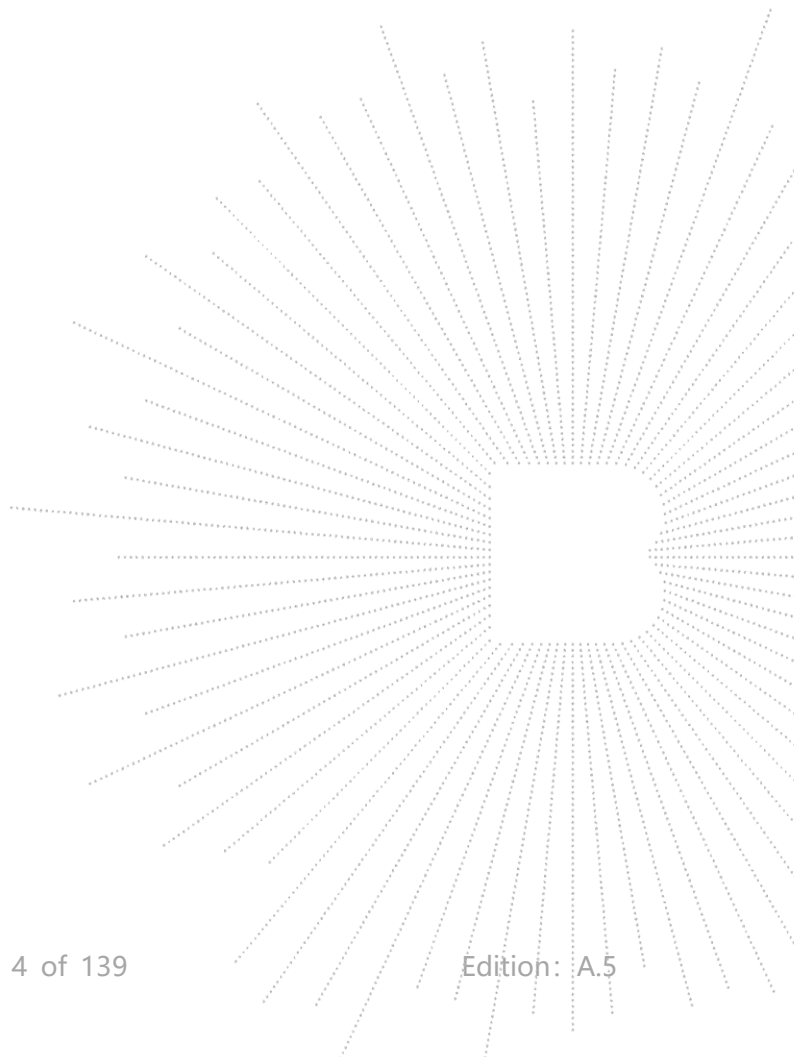
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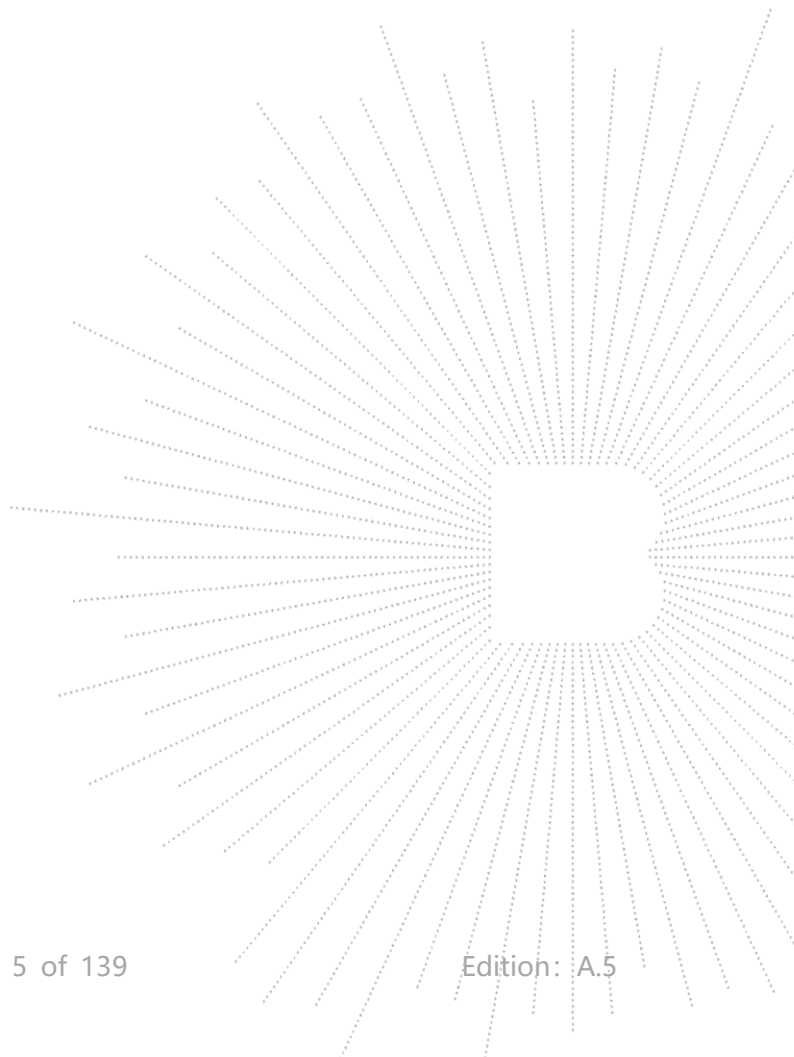
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(Note: N/A Means Not Applicable)



**1. Version**

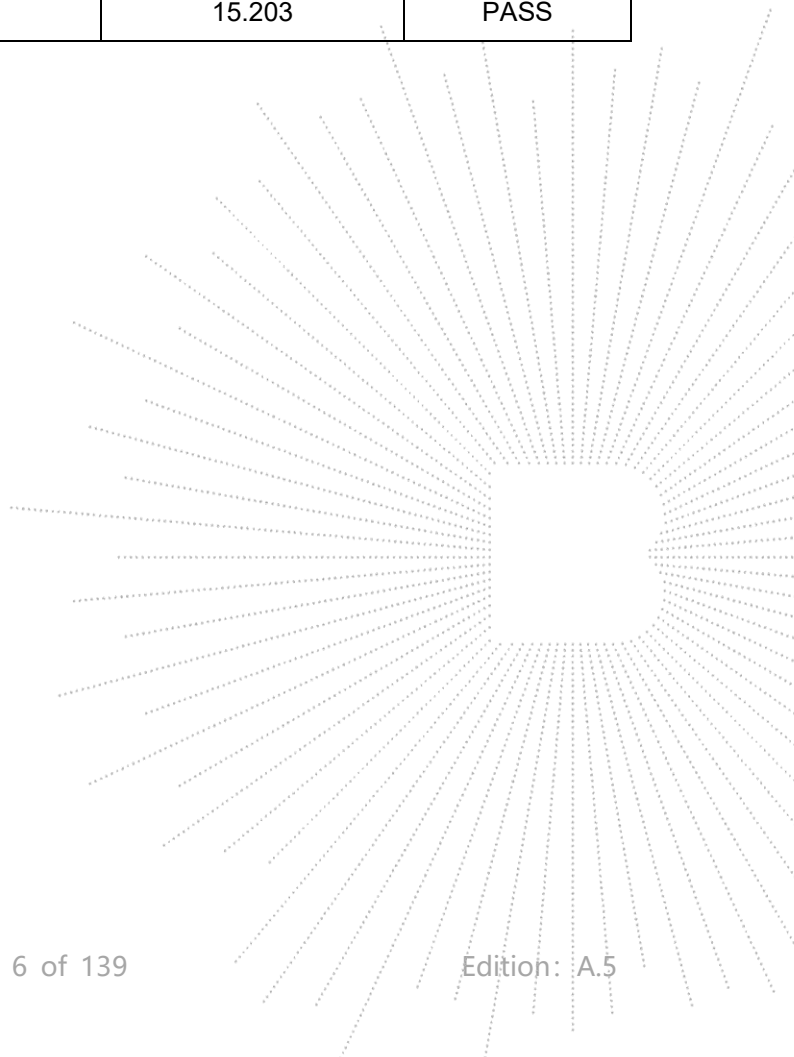
<b>Report No.</b>	<b>Issue Date</b>	<b>Description</b>	<b>Approved</b>
BCTC2211946586-4E	2022-12-09	Original	Valid



## 2. Test Summary

The Product has been tested according to the following specifications:

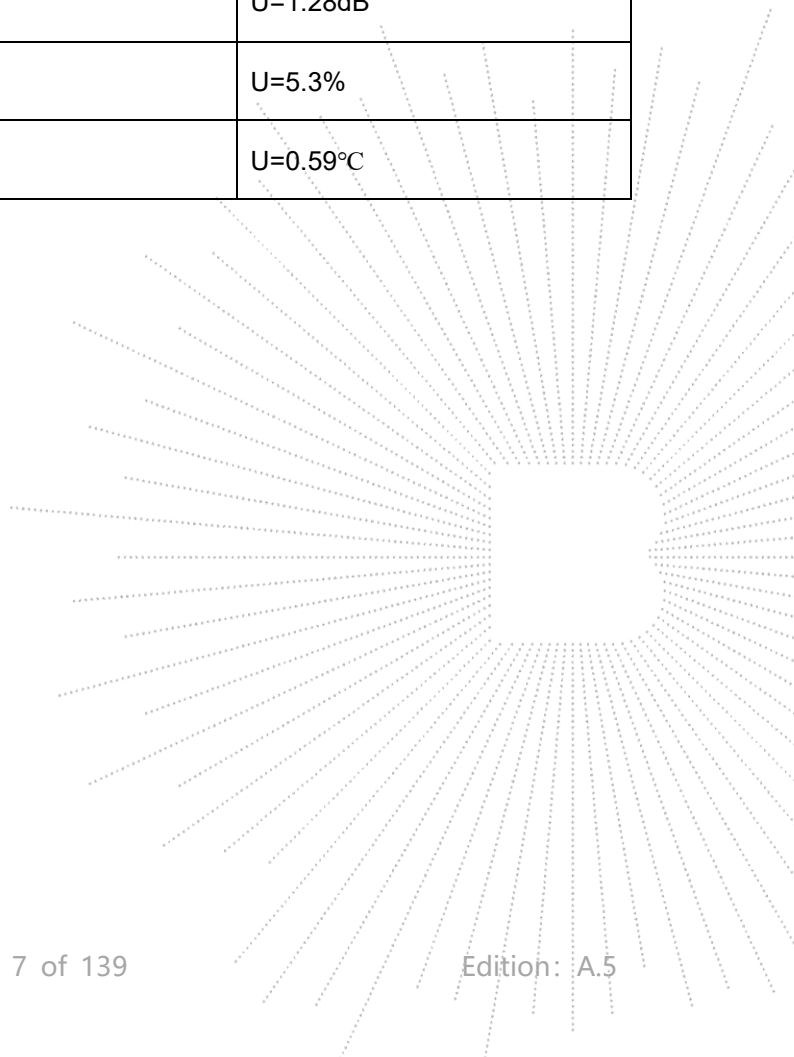
No.	Test Parameter	Clause No	Results
1	Spurious Radiated Emissions	15.209(a), 15.407 (b)(1) 15.407 (b)(4) 15.407 (b)(8)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 (a)(12) 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 (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(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59°C



## 4. Product Information And Test Setup

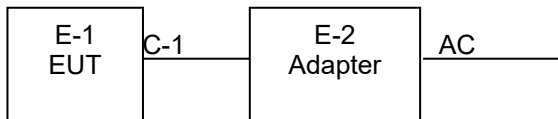
### 4.1 Product Information

Model/Type Ref.:	RT3 RT3 Pro, RT3 S
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/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20); 5190-5230MHz for 802.11n(HT40); 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20); 5755-5795 MHz for 802.11n(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-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:	0.24 dBi
Ratings:	DC 5V from adapter/DC 3.85V from battery
Adapter Information:	Model: PS10UA050K2000UU Input: 100-240V~50/60Hz 0.35A Max Output: DC 5V 2.0A 10.0W

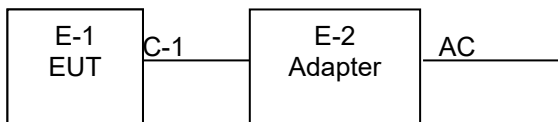
### 4.2 Test Setup Configuration

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	Tablet	OUKITEL	RT3	N/A	EUT
E-2	Adapter	N/A	PS10UA050K20 00UU	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1M	DC cable unshielded

**Notes:**

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

### 4.4 Channel List

#### 5.1G

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)
42	5210

#### 5.8G

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

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

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

#### 4.5 Test Mode

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

Pretest Mode	Description
Mode 1	802.11a / n/ ac 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:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
- (2) We're testing antenna A data.

#### 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 IC Registered No.: 23583

### 5.2 Test Instrument Used

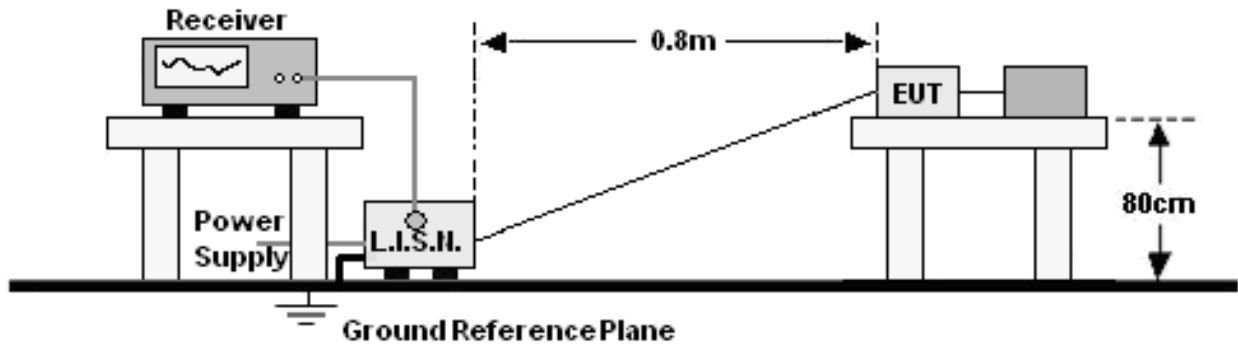
Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 24, 2022	May 23, 2023
LISN	R&S	ENV216	101375	May 24, 2022	May 23, 2023
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Attenuator	\	10dB DC-6GHz	1650	May 24, 2022	May 23, 2023

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

Radiated Emissions Test (966 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	SKET	LAPA_01G18 G-45dB	\	May 24, 2022	May 23, 2023
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 24, 2022	May 23, 2023
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 26, 2022	May 25, 2023
Horn Antenna	Schwarzbeck	BBHA9120D	1541	Jun. 06, 2022	Jun. 05, 2023
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	Jun. 06, 2022	Jun. 05, 2023
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35- HG	2034381	May 26, 2022	May 25, 2023
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 26, 2022	May 25, 2023
Power Metter	Keysight	E4419	\	May 26, 2022	May 25, 2023
Power Sensor (AV)	Keysight	E9300A	\	May 26, 2022	May 25, 2023
Signal Analyzer20kH z-26.5GHz	Keysight	N9020A	MY49100060	May 26, 2022	May 25, 2023
Spectrum Analyzer9kHz- 40GHz	R&S	FSP40	\	May 26, 2022	May 25, 2023
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

## 6. Conducted Emissions

### 6.1 Block Diagram Of Test Setup



### 6.2 Limit

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

Notes:  
 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

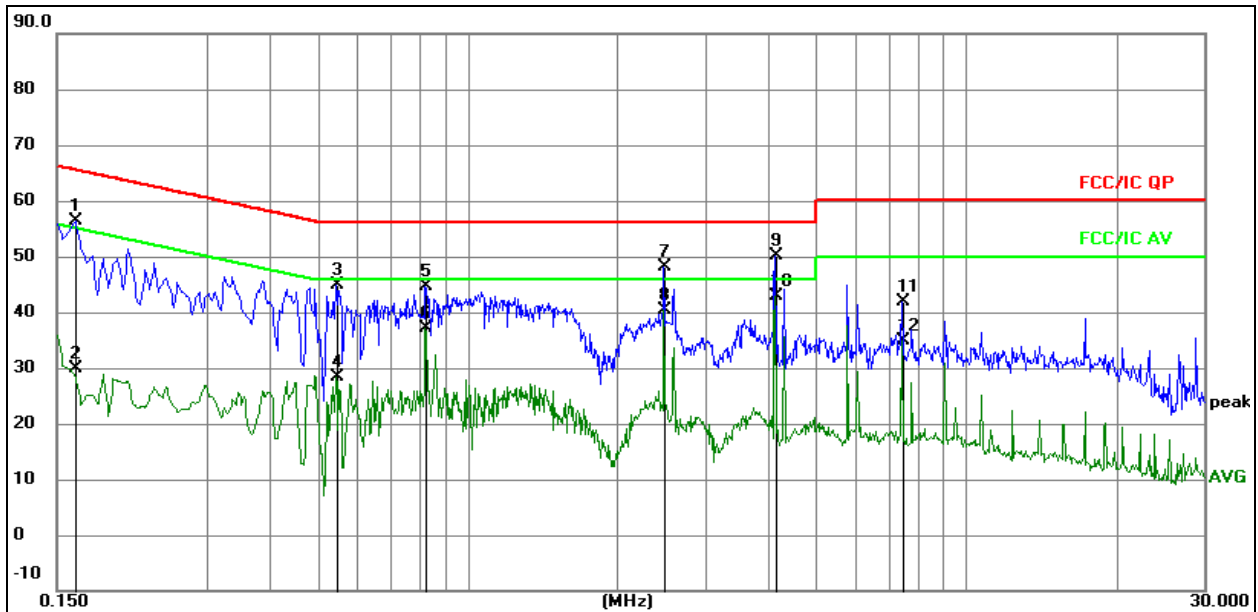
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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	Phase :	L
Test Mode:	Mode 2	Test Voltage :	AC120V/60Hz

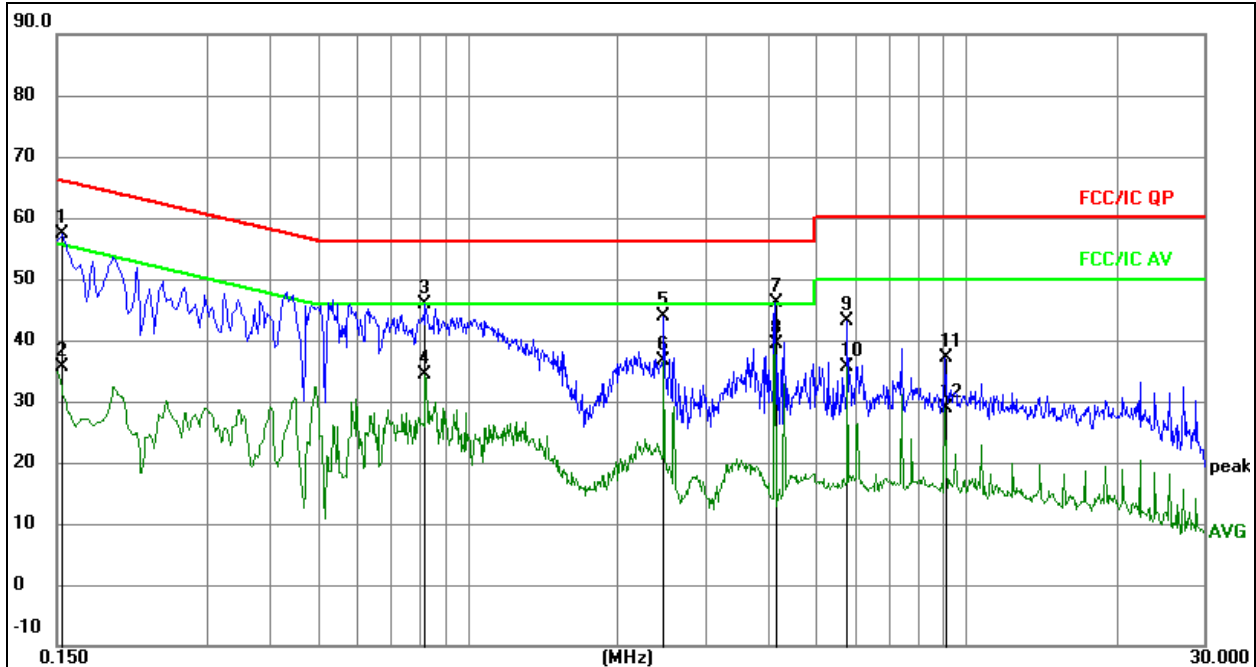


**Remark:**

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

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1635	36.70	19.71	56.41	65.28	-8.87	QP
2		0.1635	10.22	19.71	29.93	55.28	-25.35	AVG
3		0.5460	25.08	19.72	44.80	56.00	-11.20	QP
4		0.5460	8.68	19.72	28.40	46.00	-17.60	AVG
5		0.8250	24.79	19.75	44.54	56.00	-11.46	QP
6		0.8250	17.27	19.75	37.02	46.00	-8.98	AVG
7		2.4810	28.25	19.93	48.18	56.00	-7.82	QP
8		2.4810	20.52	19.93	40.45	46.00	-5.55	AVG
9		4.1369	30.01	20.10	50.11	56.00	-5.89	QP
10	*	4.1369	22.87	20.10	42.97	46.00	-3.03	AVG
11		7.4490	21.69	20.19	41.88	60.00	-18.12	QP
12		7.4490	14.57	20.19	34.76	50.00	-15.24	AVG

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 2	Test Voltage :	AC120V/60Hz


**Remark:**

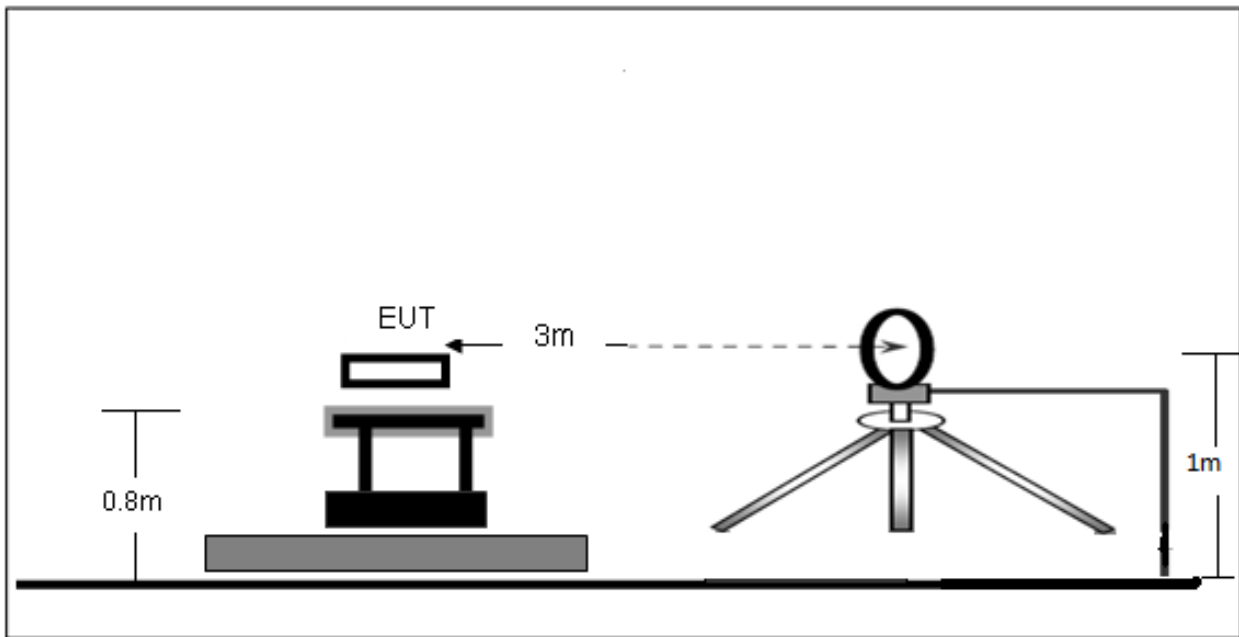
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over1 Measurement-Limit

No.	Mk.	Freq. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1539	37.63	19.68	57.31	65.79	-8.48	QP
2		0.1539	16.07	19.68	35.75	55.79	-20.04	AVG
3		0.8217	26.19	19.75	45.94	56.00	-10.06	QP
4		0.8217	14.58	19.75	34.33	46.00	-11.67	AVG
5		2.4736	23.88	19.93	43.81	56.00	-12.19	QP
6		2.4736	16.73	19.93	36.66	46.00	-9.34	AVG
7		4.1356	26.02	20.10	46.12	56.00	-9.88	QP
8	*	4.1356	19.24	20.10	39.34	46.00	-6.66	AVG
9		5.7743	23.01	20.15	43.16	60.00	-16.84	QP
10		5.7743	15.52	20.15	35.67	50.00	-14.33	AVG
11		9.0592	16.83	20.25	37.08	60.00	-22.92	QP
12		9.0592	8.74	20.25	28.99	50.00	-21.01	AVG

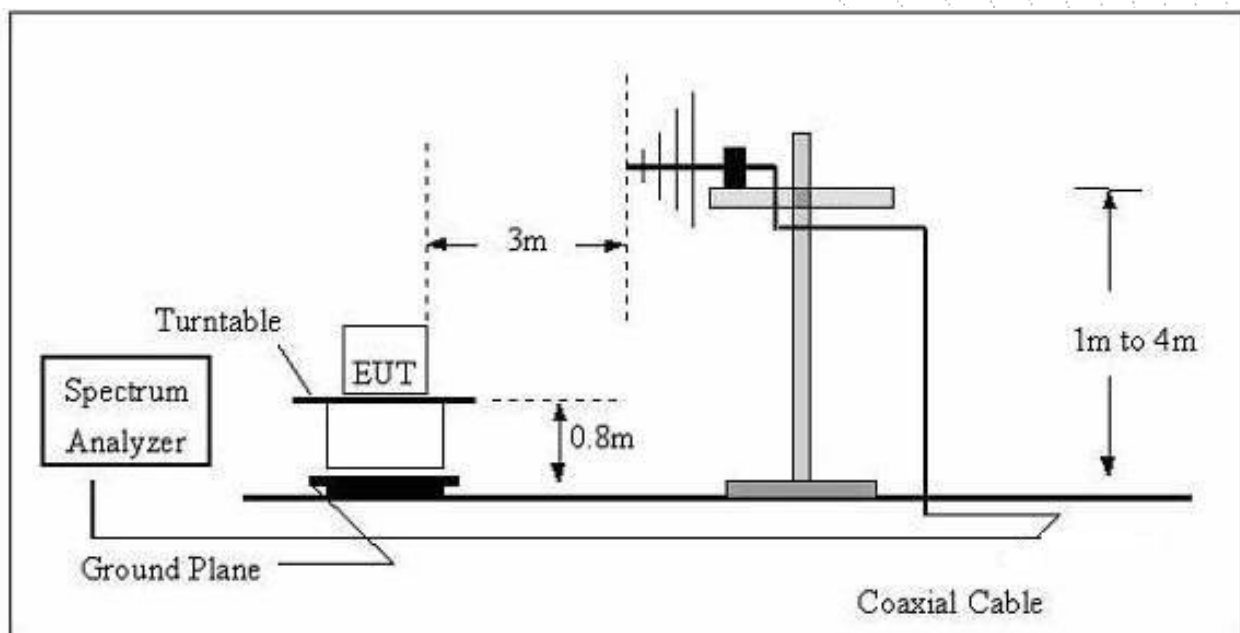
## 7. Radiated Emissions

### 7.1 Block Diagram Of Test Setup

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



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





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



## 7.2 Limit

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

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

## Limits Of Radiated Emission Measurement (Above 1000MHz)

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

## Notes:

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

### 7.3 Test Procedure

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

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

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

Use the following spectrum analyzer settings:

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

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

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

## Note:

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

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

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

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

## 7.4 EUT Operating Conditions

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

## 7.5 Test Result

Below 30MHz

Temperature:	26°C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz, DC 3.85V
Test Mode:	Mode 3	Polarization :	--

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

Note:

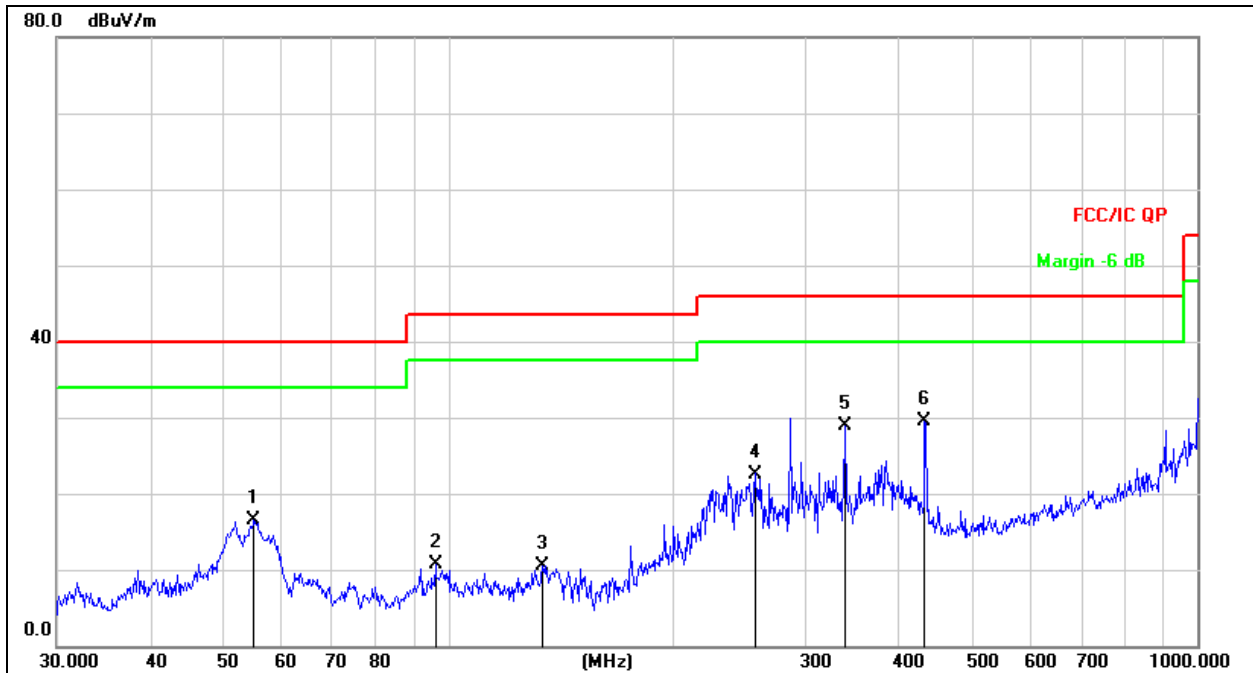
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

Between 30MHz – 1GHz

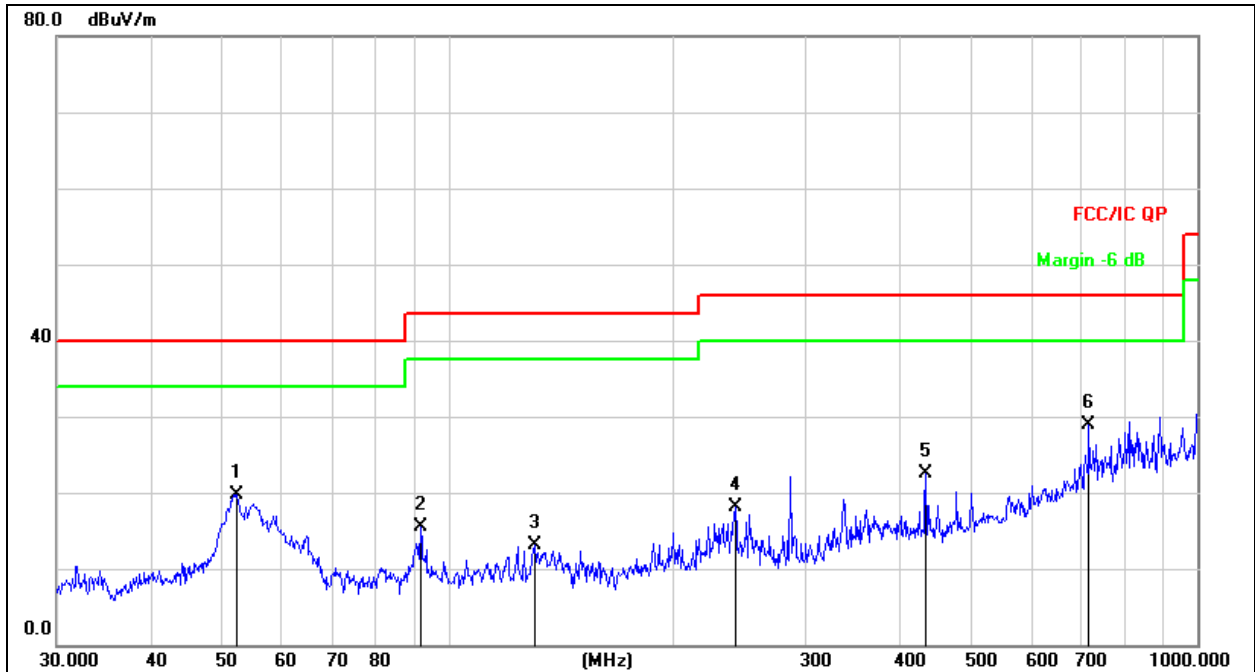
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 3	Test Voltage :	AC120V/60Hz



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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		55.0274	32.79	-16.34	16.45	40.00	-23.55	QP
2		96.0986	29.04	-18.33	10.71	43.50	-32.79	QP
3		133.6188	30.55	-19.97	10.58	43.50	-32.92	QP
4		256.5211	38.27	-15.67	22.60	46.00	-23.40	QP
5		338.4001	42.08	-13.21	28.87	46.00	-17.13	QP
6	*	432.5457	41.30	-11.74	29.56	46.00	-16.44	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 3	Test Voltage :	AC120V/60Hz


**Remark:**

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dB/m	dB	
1		52.2079	35.67	-15.92	19.75	40.00	-20.25	QP
2		91.8163	34.50	-18.96	15.54	43.50	-27.96	QP
3		130.3789	32.87	-19.76	13.11	43.50	-30.39	QP
4		241.6763	34.14	-16.09	18.05	46.00	-27.95	QP
5		434.0651	34.16	-11.72	22.44	46.00	-23.56	QP
6	*	716.6820	35.77	-6.92	28.85	46.00	-17.15	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
<b>Low Channel (5180 MHz)-Above 1G</b>									
V	4434.006	63.93	5.94	35.40	44.00	61.27	68.2	-6.93	PK
V	4434.006	43.21	5.94	35.40	44.00	40.55	54	-13.45	AV
V	10360.103	63.15	8.46	39.75	44.50	66.86	68.2	-1.34	PK
V	10360.103	43.18	8.46	39.75	44.50	46.89	54	-7.11	AV
V	15540.151	60.29	10.12	38.80	44.10	65.11	74	-8.89	PK
V	15540.151	43.84	10.12	38.80	42.70	50.06	54	-3.94	AV
H	4434.164	60.47	5.94	35.18	44.00	57.59	68.2	-10.61	PK
H	4434.164	43.47	5.94	35.18	44.00	40.59	54	-13.41	AV
H	10360.175	53.74	8.46	38.71	44.50	56.41	68.2	-11.79	PK
H	10360.175	40.21	8.46	38.71	44.50	42.88	54	-11.12	AV
H	15540.026	51.44	10.12	38.38	44.10	55.84	74	-18.16	PK
H	15540.026	44.25	10.12	38.38	44.10	48.65	54	-5.35	AV
<b>middle Channel (5200 MHz)-Above 1G</b>									
V	4592.057	60.38	6.48	36.35	44.05	59.16	74	-14.84	PK
V	4592.057	43.89	6.48	36.35	44.05	42.67	54	-11.33	AV
V	10400.026	62.10	8.47	37.88	44.51	63.94	68.2	-4.26	PK
V	10400.026	43.08	8.47	37.88	44.51	44.92	54	-9.08	AV
V	15600.172	61.66	10.12	38.80	44.10	66.48	74	-7.52	PK
V	15600.172	43.43	10.12	38.80	42.70	49.65	54	-4.35	AV
H	4592.132	63.11	6.48	36.37	44.05	61.91	74	-12.09	PK
H	4592.132	43.00	6.48	36.37	44.05	41.80	54	-12.20	AV
H	10400.084	53.53	8.47	38.64	44.50	56.14	68.2	-12.06	PK
H	10400.084	44.94	8.47	38.64	44.50	47.55	54	-6.45	AV
H	15600.021	51.64	10.12	38.38	44.10	56.04	74	-17.96	PK
H	15600.021	41.29	10.12	38.38	44.10	45.69	54	-8.31	AV
<b>High Channel (5240 MHz)-Above 1G</b>									
V	4739.002	62.24	7.10	37.24	43.50	63.08	74	-10.92	PK
V	4739.002	43.04	7.10	37.24	43.50	43.88	54	-10.12	AV
V	10480.087	64.57	8.46	37.68	44.50	66.21	68.2	-1.99	PK
V	10480.087	43.17	8.46	37.68	44.50	44.81	54	-9.19	AV
V	15720.042	62.83	10.12	38.80	44.10	67.65	74	-6.35	PK
V	15720.042	43.30	10.12	38.80	42.70	49.52	54	-4.48	AV
H	4739.141	60.69	7.10	37.24	43.50	61.53	74	-12.47	PK
H	4739.141	43.82	7.10	37.24	43.50	44.66	54	-9.34	AV
H	10480.026	54.77	8.46	38.57	44.50	57.30	68.2	-10.90	PK
H	10480.026	40.61	8.46	38.57	44.50	43.14	54	-10.86	AV
H	15720.194	54.57	10.12	38.38	44.10	58.97	74	-15.03	PK
H	15720.194	40.29	10.12	38.38	44.10	44.69	54	-9.31	AV

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

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

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

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

Test Mode:	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
<b>Low Channel (5180 MHz)-Above 1G</b>									
V	4434.105	63.05	5.94	35.40	44.00	60.39	68.2	-7.81	PK
V	4434.105	43.17	5.94	35.40	44.00	40.51	54	-13.49	AV
V	10360.016	63.46	8.46	39.75	44.50	67.17	68.2	-1.03	PK
V	10360.016	43.34	8.46	39.75	44.50	47.05	54	-6.95	AV
V	15540.074	61.73	10.12	38.80	44.10	66.55	74	-7.45	PK
V	15540.074	43.76	10.12	38.80	42.70	49.98	54	-4.02	AV
H	4434.150	63.34	5.94	35.18	44.00	60.46	68.2	-7.74	PK
H	4434.150	43.57	5.94	35.18	44.00	40.69	54	-13.31	AV
H	10360.047	50.82	8.46	38.71	44.50	53.49	68.2	-14.71	PK
H	10360.047	40.01	8.46	38.71	44.50	42.68	54	-11.32	AV
H	15540.011	51.42	10.12	38.38	44.10	55.82	74	-18.18	PK
H	15540.011	41.47	10.12	38.38	44.10	45.87	54	-8.13	AV
<b>middle Channel (5200 MHz)-Above 1G</b>									
V	4592.123	60.23	6.48	36.35	44.05	59.01	74	-14.99	PK
V	4592.123	43.94	6.48	36.35	44.05	42.72	54	-11.28	AV
V	10400.078	61.77	8.47	37.88	44.51	63.61	68.2	-4.59	PK
V	10400.078	43.51	8.47	37.88	44.51	45.35	54	-8.65	AV
V	15600.054	63.22	10.12	38.80	44.10	68.04	74	-5.96	PK
V	15600.054	43.32	10.12	38.80	42.70	49.54	54	-4.46	AV
H	4592.114	63.11	6.48	36.37	44.05	61.91	74	-12.09	PK
H	4592.114	43.45	6.48	36.37	44.05	42.25	54	-11.75	AV
H	10400.178	53.38	8.47	38.64	44.50	55.99	68.2	-12.21	PK
H	10400.178	43.44	8.47	38.64	44.50	46.05	54	-7.95	AV
H	15600.014	52.90	10.12	38.38	44.10	57.30	74	-16.70	PK
H	15600.014	44.44	10.12	38.38	44.10	48.84	54	-5.16	AV
<b>High Channel (5240 MHz)-Above 1G</b>									
V	4739.145	63.08	7.10	37.24	43.50	63.92	74	-10.08	PK
V	4739.145	43.32	7.10	37.24	43.50	44.16	54	-9.84	AV
V	10480.114	64.86	8.46	37.68	44.50	66.50	68.2	-1.70	PK
V	10480.114	43.24	8.46	37.68	44.50	44.88	54	-9.12	AV
V	15720.122	62.33	10.12	38.80	44.10	67.15	74	-6.85	PK
V	15720.122	43.24	10.12	38.80	42.70	49.46	54	-4.54	AV
H	4739.099	60.74	7.10	37.24	43.50	61.58	74	-12.42	PK
H	4739.099	43.48	7.10	37.24	43.50	44.32	54	-9.68	AV
H	10480.001	52.22	8.46	38.57	44.50	54.75	68.2	-13.45	PK
H	10480.001	42.54	8.46	38.57	44.50	45.07	54	-8.93	AV
H	15720.127	54.80	10.12	38.38	44.10	59.20	74	-14.80	PK
H	15720.127	43.86	10.12	38.38	44.10	48.26	54	-5.74	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:	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
<b>Low Channel (5190 MHz)-Above 1G</b>									
V	4434.079	60.26	5.94	35.40	44.00	57.60	68.2	-10.60	PK
V	4434.079	43.10	5.94	35.40	44.00	40.44	54	-13.56	AV
V	10380.132	62.18	8.46	39.75	44.50	65.89	68.2	-2.31	PK
V	10380.132	43.71	8.46	39.75	44.50	47.42	54	-6.58	AV
V	15570.110	63.18	10.12	38.80	44.10	68.00	74	-6.00	PK
V	15570.110	43.16	10.12	38.80	42.70	49.38	54	-4.62	AV
H	4434.028	63.67	5.94	35.18	44.00	60.79	74	-13.21	PK
H	4434.028	43.49	5.94	35.18	44.00	40.61	54	-13.39	AV
H	10380.044	52.34	8.46	38.71	44.50	55.01	68.2	-13.19	PK
H	10380.044	40.10	8.46	38.71	44.50	42.77	54	-11.23	AV
H	15570.155	52.14	10.12	38.38	44.10	56.54	74	-17.46	PK
H	15570.155	42.58	10.12	38.38	44.10	46.98	54	-7.02	AV
<b>middle Channel (5230 MHz)-Above 1G</b>									
V	4739.182	64.73	6.48	36.35	44.05	63.51	68.2	-4.69	PK
V	4739.182	43.83	6.48	36.35	44.05	42.61	54	-11.39	AV
V	10460.155	64.88	8.47	37.88	44.51	66.72	68.2	-1.48	PK
V	10460.155	43.86	8.47	37.88	44.51	45.70	54	-8.30	AV
V	15690.043	60.84	10.12	38.80	44.10	65.66	74	-8.34	PK
V	15690.043	43.72	10.12	38.80	42.70	49.94	54	-4.06	AV
H	4739.012	64.49	6.48	36.37	44.05	63.29	68.2	-4.91	PK
H	4739.012	43.73	6.48	36.37	44.05	42.53	54	-11.47	AV
H	10460.081	54.84	8.47	38.64	44.50	57.45	68.2	-10.75	PK
H	10460.081	41.98	8.47	38.64	44.50	44.59	54	-9.41	AV
H	15690.107	51.92	10.12	38.38	44.10	56.32	74	-17.68	PK
H	15690.107	42.35	10.12	38.38	44.10	46.75	54	-7.25	AV

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



Test Mode:	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
<b>Low Channel (5180 MHz)-Above 1G</b>									
V	4434.030	64.72	5.94	35.40	44.00	62.06	68.2	-6.14	PK
V	4434.030	43.21	5.94	35.40	44.00	40.55	54	-13.45	AV
V	10360.137	61.60	8.46	39.75	44.50	65.31	68.2	-2.89	PK
V	10360.137	43.79	8.46	39.75	44.50	47.50	54	-6.50	AV
V	15540.167	60.36	10.12	38.80	44.10	65.18	74	-8.82	PK
V	15540.167	43.30	10.12	38.80	42.70	49.52	54	-4.48	AV
H	4434.008	63.51	5.94	35.18	44.00	60.63	68.2	-7.57	PK
H	4434.008	43.07	5.94	35.18	44.00	40.19	54	-13.81	AV
H	10360.110	53.95	8.46	38.71	44.50	56.62	68.2	-11.58	PK
H	10360.110	42.25	8.46	38.71	44.50	44.92	54	-9.08	AV
H	15540.109	51.74	10.12	38.38	44.10	56.14	74	-17.86	PK
H	15540.109	44.02	10.12	38.38	44.10	48.42	54	-5.58	AV
<b>middle Channel (5200 MHz)-Above 1G</b>									
V	4592.116	62.89	6.48	36.35	44.05	61.67	74	-12.33	PK
V	4592.116	43.55	6.48	36.35	44.05	42.33	54	-11.67	AV
V	10400.046	61.36	8.47	37.88	44.51	63.20	68.2	-5.00	PK
V	10400.046	43.86	8.47	37.88	44.51	45.70	54	-8.30	AV
V	15600.112	60.66	10.12	38.80	44.10	65.48	74	-8.52	PK
V	15600.112	43.46	10.12	38.80	42.70	49.68	54	-4.32	AV
H	4592.001	61.01	6.48	36.37	44.05	59.81	74	-14.19	PK
H	4592.001	43.28	6.48	36.37	44.05	42.08	54	-11.92	AV
H	10400.133	53.80	8.47	38.64	44.50	56.41	68.2	-11.79	PK
H	10400.133	43.42	8.47	38.64	44.50	46.03	54	-7.97	AV
H	15600.016	52.49	10.12	38.38	44.10	56.89	74	-17.11	PK
H	15600.016	42.39	10.12	38.38	44.10	46.79	54	-7.21	AV
<b>High Channel (5240 MHz)-Above 1G</b>									
V	4739.089	60.88	7.10	37.24	43.50	61.72	74	-12.28	PK
V	4739.089	43.63	7.10	37.24	43.50	44.47	54	-9.53	AV
V	10480.121	63.11	8.46	37.68	44.50	64.75	68.2	-3.45	PK
V	10480.121	43.64	8.46	37.68	44.50	45.28	54	-8.72	AV
V	15720.021	61.34	10.12	38.80	44.10	66.16	74	-7.84	PK
V	15720.021	43.49	10.12	38.80	42.70	49.71	54	-4.29	AV
H	4739.029	60.19	7.10	37.24	43.50	61.03	74	-12.97	PK
H	4739.029	43.77	7.10	37.24	43.50	44.61	54	-9.39	AV
H	10480.049	53.29	8.46	38.57	44.50	55.82	68.2	-12.38	PK
H	10480.049	40.31	8.46	38.57	44.50	42.84	54	-11.16	AV
H	15720.122	51.32	10.12	38.38	44.10	55.72	74	-18.28	PK
H	15720.122	42.21	10.12	38.38	44.10	46.61	54	-7.39	AV

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

Test Mode:	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
<b>Low Channel (5190 MHz)-Above 1G</b>									
V	4434.129	64.26	5.94	35.40	44.00	61.60	68.2	-6.60	PK
V	4434.129	43.35	5.94	35.40	44.00	40.69	54	-13.31	AV
V	10380.171	62.34	8.46	39.75	44.50	66.05	68.2	-2.15	PK
V	10380.171	43.67	8.46	39.75	44.50	47.38	54	-6.62	AV
V	15570.112	64.33	10.12	38.80	44.10	69.15	74	-4.85	PK
V	15570.112	43.69	10.12	38.80	42.70	49.91	54	-4.09	AV
H	4434.136	62.63	5.94	35.18	44.00	59.75	74	-14.25	PK
H	4434.136	43.68	5.94	35.18	44.00	40.80	54	-13.20	AV
H	10380.019	51.72	8.46	38.71	44.50	54.39	68.2	-13.81	PK
H	10380.019	41.82	8.46	38.71	44.50	44.49	54	-9.51	AV
H	15570.110	50.78	10.12	38.38	44.10	55.18	74	-18.82	PK
H	15570.110	42.91	10.12	38.38	44.10	47.31	54	-6.69	AV
<b>middle Channel (5230 MHz)-Above 1G</b>									
V	4739.155	60.69	6.48	36.35	44.05	59.47	68.2	-8.73	PK
V	4739.155	43.53	6.48	36.35	44.05	42.31	54	-11.69	AV
V	10460.162	61.48	8.47	37.88	44.51	63.32	68.2	-4.88	PK
V	10460.162	43.12	8.47	37.88	44.51	44.96	54	-9.04	AV
V	15690.094	64.35	10.12	38.80	44.10	69.17	74	-4.83	PK
V	15690.094	43.35	10.12	38.80	42.70	49.57	54	-4.43	AV
H	4739.067	61.08	6.48	36.37	44.05	59.88	68.2	-8.32	PK
H	4739.067	43.55	6.48	36.37	44.05	42.35	54	-11.65	AV
H	10460.137	52.49	8.47	38.64	44.50	55.10	68.2	-13.10	PK
H	10460.137	40.30	8.47	38.64	44.50	42.91	54	-11.09	AV
H	15690.163	50.28	10.12	38.38	44.10	54.68	74	-19.32	PK
H	15690.163	42.97	10.12	38.38	44.10	47.37	54	-6.63	AV

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

Test Mode:	TX(5.1G) - 802.11ac 80
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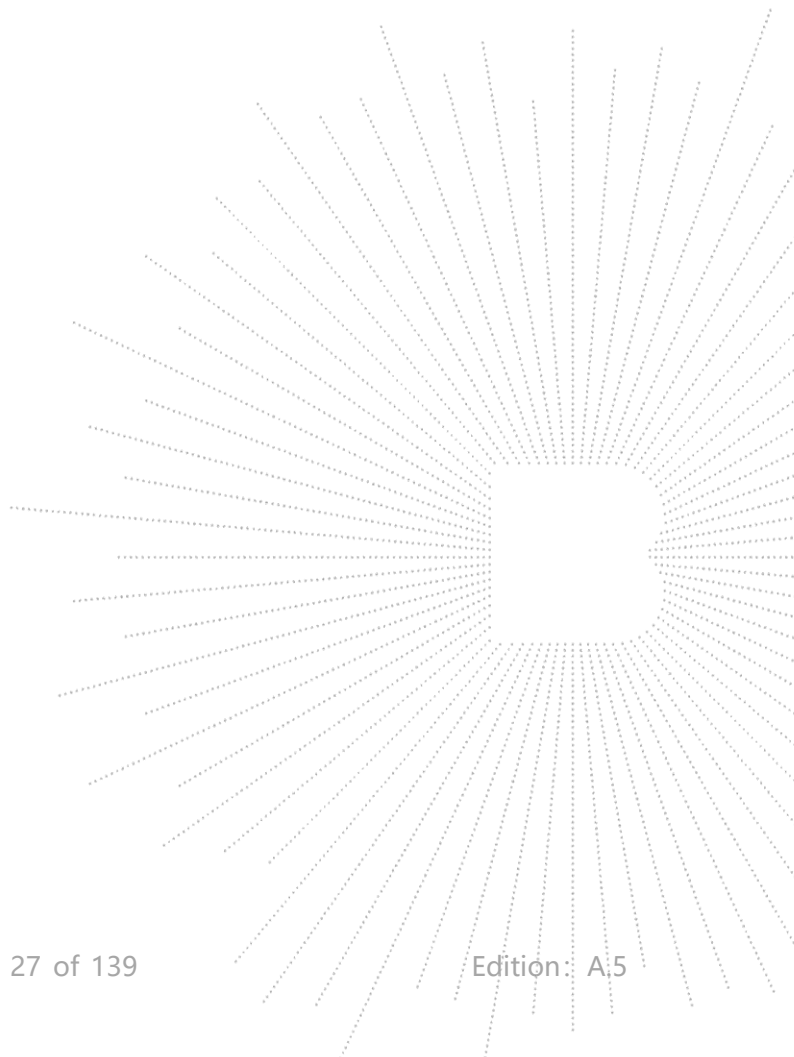
Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
<b>Low Channel (5210 MHz)-Above 1G</b>									
V	4434.035	63.59	5.94	35.40	44.00	60.93	68.2	-7.27	PK
V	4434.035	43.28	5.94	35.40	44.00	40.62	54	-13.38	AV
V	10420.057	63.53	8.46	39.75	44.50	67.24	68.2	-0.96	PK
V	10420.057	43.29	8.46	39.75	44.50	47.00	54	-7.00	AV
V	15630.107	63.90	10.12	38.80	44.10	68.72	74	-5.28	PK
V	15630.107	43.66	10.12	38.80	42.70	49.88	54	-4.12	AV
H	4434.183	60.60	5.94	35.18	44.00	57.72	68.2	-10.48	PK
H	4434.183	43.59	5.94	35.18	44.00	40.71	54	-13.29	AV
H	10420.018	54.89	8.46	38.71	44.50	57.56	68.2	-10.64	PK
H	10420.018	43.85	8.46	38.71	44.50	46.52	54	-7.48	AV
H	15630.150	52.51	10.12	38.38	44.10	56.91	74	-17.09	PK
H	15630.150	42.18	10.12	38.38	44.10	46.58	54	-7.42	AV

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

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

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

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



Test Mode:	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
<b>Low Channel (5745 MHz)-Above 1G</b>									
V	4679.118	56.64	5.94	35.40	44.00	53.98	74	-20.02	PK
V	4679.118	43.36	5.94	35.40	44.00	40.70	54	-13.30	AV
V	11490.157	57.23	8.46	39.75	44.50	60.94	68.2	-7.26	PK
V	11490.157	43.43	8.46	39.75	44.50	47.14	54	-6.86	AV
V	17235.020	59.50	10.12	38.80	44.10	64.32	68.2	-3.88	PK
V	17235.020	43.52	10.12	38.80	42.70	49.74	54	-4.26	AV
H	4679.104	56.71	5.94	35.18	44.00	53.83	74	-20.17	PK
H	4679.104	43.97	5.94	35.18	44.00	41.09	54	-12.91	AV
H	11490.112	50.31	8.46	38.71	44.50	52.98	68.2	-15.22	PK
H	11490.112	42.60	8.46	38.71	44.50	45.27	54	-8.73	AV
H	17235.006	53.49	10.12	38.38	44.10	57.89	68.2	-10.31	PK
H	17235.006	40.56	10.12	38.38	44.10	44.96	54	-9.04	AV
<b>middle Channel (5785 MHz)-Above 1G</b>									
V	4592.040	56.64	6.48	36.35	44.05	55.42	74	-18.58	PK
V	4592.040	43.18	6.48	36.35	44.05	41.96	54	-12.04	AV
V	11570.174	55.48	8.47	37.88	44.51	57.32	68.2	-10.88	PK
V	11570.174	43.34	8.47	37.88	44.51	45.18	54	-8.82	AV
V	17355.054	60.29	10.12	38.80	44.10	65.11	68.2	-3.09	PK
V	17355.054	39.59	10.12	38.80	42.70	45.81	54	-8.19	AV
H	4592.111	58.44	6.48	36.37	44.05	57.24	74	-16.76	PK
H	4592.111	43.80	6.48	36.37	44.05	42.60	54	-11.40	AV
H	11570.124	54.64	8.47	38.64	44.50	57.25	68.2	-10.95	PK
H	11570.124	41.05	8.47	38.64	44.50	43.66	54	-10.34	AV
H	17355.071	53.86	10.12	38.38	44.10	58.26	68.2	-9.94	PK
H	17355.071	44.18	10.12	38.38	44.10	48.58	54	-5.42	AV
<b>High Channel (5825 MHz)-Above 1G</b>									
V	6039.096	60.04	7.10	37.24	43.50	60.88	68.2	-7.32	PK
V	6039.096	43.09	7.10	37.24	43.50	43.93	54	-10.07	AV
V	11650.014	58.24	8.46	37.68	44.50	59.88	74	-14.12	PK
V	11650.014	43.97	8.46	37.68	44.50	45.61	54	-8.39	AV
V	17475.112	56.46	10.12	38.80	44.10	61.28	68.2	-6.92	PK
V	17475.112	43.22	10.12	38.80	42.70	49.44	54	-4.56	AV
H	6039.093	55.16	7.10	37.24	43.50	56.00	68.2	-12.20	PK
H	6039.093	43.86	7.10	37.24	43.50	44.70	54	-9.30	AV
H	11650.106	53.21	8.46	38.57	44.50	55.74	74	-18.26	PK
H	11650.106	44.21	8.46	38.57	44.50	46.74	54	-7.26	AV
H	17475.000	54.30	10.12	38.38	44.10	58.70	68.2	-9.50	PK
H	17475.000	42.68	10.12	38.38	44.10	47.08	54	-6.92	AV

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

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

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

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

Test Mode:	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
<b>Low Channel (5745 MHz)-Above 1G</b>									
V	4679.037	57.77	5.94	35.40	44.00	55.11	74	-18.89	PK
V	4679.037	43.34	5.94	35.40	44.00	40.68	54	-13.32	AV
V	11490.103	54.19	8.46	39.75	44.50	57.90	68.2	-10.30	PK
V	11490.103	43.00	8.46	39.75	44.50	46.71	54	-7.29	AV
V	17235.192	60.22	10.12	38.80	44.10	65.04	68.2	-3.16	PK
V	17235.192	43.92	10.12	38.80	42.70	50.14	54	-3.86	AV
H	4679.025	59.54	5.94	35.18	44.00	56.66	74	-17.34	PK
H	4679.025	43.34	5.94	35.18	44.00	40.46	54	-13.54	AV
H	11490.169	48.52	8.46	38.71	44.50	51.19	68.2	-17.01	PK
H	11490.169	43.50	8.46	38.71	44.50	46.17	54	-7.83	AV
H	17235.179	51.59	10.12	38.38	44.10	55.99	68.2	-12.21	PK
H	17235.179	42.04	10.12	38.38	44.10	46.44	54	-7.56	AV
<b>middle Channel (5785 MHz)-Above 1G</b>									
V	4592.134	60.81	6.48	36.35	44.05	59.59	74	-14.41	PK
V	4592.134	43.67	6.48	36.35	44.05	42.45	54	-11.55	AV
V	11570.171	56.05	8.47	37.88	44.51	57.89	68.2	-10.31	PK
V	11570.171	43.62	8.47	37.88	44.51	45.46	54	-8.54	AV
V	17355.081	58.66	10.12	38.80	44.10	63.48	68.2	-4.72	PK
V	17355.081	43.51	10.12	38.80	42.70	49.73	54	-4.27	AV
H	4592.106	57.67	6.48	36.37	44.05	56.47	74	-17.53	PK
H	4592.106	43.97	6.48	36.37	44.05	42.77	54	-11.23	AV
H	11570.190	51.40	8.47	38.64	44.50	54.01	68.2	-14.19	PK
H	11570.190	44.16	8.47	38.64	44.50	46.77	54	-7.23	AV
H	17355.061	50.23	10.12	38.38	44.10	54.63	68.2	-13.57	PK
H	17355.061	40.76	10.12	38.38	44.10	45.16	54	-8.84	AV
<b>High Channel (5825 MHz)-Above 1G</b>									
V	6039.056	58.29	7.10	37.24	43.50	59.13	68.2	-9.07	PK
V	6039.056	43.27	7.10	37.24	43.50	44.11	54	-9.89	AV
V	11650.029	56.37	8.46	37.68	44.50	58.01	74	-15.99	PK
V	11650.029	43.10	8.46	37.68	44.50	44.74	54	-9.26	AV
V	17475.012	56.97	10.12	38.80	44.10	61.79	68.2	-6.41	PK
V	17475.012	43.74	10.12	38.80	42.70	49.96	54	-4.04	AV
H	6039.062	59.57	7.10	37.24	43.50	60.41	68.2	-7.79	PK
H	6039.062	43.65	7.10	37.24	43.50	44.49	54	-9.51	AV
H	11650.192	53.06	8.46	38.57	44.50	55.59	74	-18.41	PK
H	11650.192	41.89	8.46	38.57	44.50	44.42	54	-9.58	AV
H	17475.180	54.74	10.12	38.38	44.10	59.14	68.2	-9.06	PK
H	17475.180	40.23	10.12	38.38	44.10	44.63	54	-9.37	AV

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

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

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

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

Test Mode:	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
<b>Low Channel (5755 MHz)-Above 1G</b>									
V	4679.025	58.92	5.94	35.40	44.00	56.26	74	-17.74	PK
V	4679.025	43.69	5.94	35.40	44.00	41.03	54	-12.97	AV
V	11510.039	56.85	8.46	39.75	44.50	60.56	74	-13.44	PK
V	11510.039	43.33	8.46	39.75	44.50	47.04	54	-6.96	AV
V	17265.165	58.33	10.12	38.80	44.10	63.15	68.2	-5.05	PK
V	17265.165	2.00	10.12	38.80	42.70	8.22	54	-45.78	AV
H	4679.125	58.12	5.94	35.18	44.00	55.24	74	-18.76	PK
H	4679.125	43.02	5.94	35.18	44.00	40.14	54	-13.86	AV
H	11510.157	52.84	8.46	38.71	44.50	55.51	74	-18.49	PK
H	11510.157	41.67	8.46	38.71	44.50	44.34	54	-9.66	AV
H	17265.195	53.36	10.12	38.38	44.10	57.76	68.2	-10.44	PK
H	17265.195	43.73	10.12	38.38	44.10	48.13	54	-5.87	AV
<b>middle Channel (5795 MHz)-Above 1G</b>									
V	6039.129	60.29	6.48	36.35	44.05	59.07	68.2	-9.13	PK
V	6039.129	43.89	6.48	36.35	44.05	42.67	54	-11.33	AV
V	11590.083	56.76	8.47	37.88	44.51	58.60	74	-15.40	PK
V	11590.083	43.92	8.47	37.88	44.51	45.76	54	-8.24	AV
V	17385.070	55.34	10.12	38.80	44.10	60.16	68.2	-8.04	PK
V	17385.070	41.20	10.12	38.80	42.70	47.42	54	-6.58	AV
H	6039.188	58.92	6.48	36.37	44.05	57.72	68.2	-10.48	PK
H	6039.188	43.63	6.48	36.37	44.05	42.43	54	-11.57	AV
H	11590.041	50.72	8.47	38.64	44.50	53.33	74	-20.67	PK
H	11590.041	43.03	8.47	38.64	44.50	45.64	54	-8.36	AV
H	17385.099	54.05	10.12	38.38	44.10	58.45	68.2	-9.75	PK
H	17385.099	40.54	10.12	38.38	44.10	44.94	54	-9.06	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:	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
<b>Low Channel (5745 MHz)-Above 1G</b>									
V	4679.060	60.60	5.94	35.40	44.00	57.94	74	-16.06	PK
V	4679.060	43.48	5.94	35.40	44.00	40.82	54	-13.18	AV
V	11490.025	54.33	8.46	39.75	44.50	58.04	68.2	-10.16	PK
V	11490.025	43.16	8.46	39.75	44.50	46.87	54	-7.13	AV
V	17235.021	57.54	10.12	38.80	44.10	62.36	68.2	-5.84	PK
V	17235.021	43.56	10.12	38.80	42.70	49.78	54	-4.22	AV
H	4679.129	59.70	5.94	35.18	44.00	56.82	74	-17.18	PK
H	4679.129	43.91	5.94	35.18	44.00	41.03	54	-12.97	AV
H	11490.046	49.82	8.46	38.71	44.50	52.49	68.2	-15.71	PK
H	11490.046	40.63	8.46	38.71	44.50	43.30	54	-10.70	AV
H	17235.130	52.76	10.12	38.38	44.10	57.16	68.2	-11.04	PK
H	17235.130	43.80	10.12	38.38	44.10	48.20	54	-5.80	AV
<b>middle Channel (5785 MHz)-Above 1G</b>									
V	4592.170	58.68	6.48	36.35	44.05	57.46	74	-16.54	PK
V	4592.170	43.82	6.48	36.35	44.05	42.60	54	-11.40	AV
V	11570.073	57.01	8.47	37.88	44.51	58.85	68.2	-9.35	PK
V	11570.073	43.10	8.47	37.88	44.51	44.94	54	-9.06	AV
V	17355.193	61.45	10.12	38.80	44.10	66.27	68.2	-1.93	PK
V	17355.193	43.93	10.12	38.80	42.70	50.15	54	-3.85	AV
H	4592.075	57.56	6.48	36.37	44.05	56.36	74	-17.64	PK
H	4592.075	43.79	6.48	36.37	44.05	42.59	54	-11.41	AV
H	11570.133	54.59	8.47	38.64	44.50	57.20	68.2	-11.00	PK
H	11570.133	41.91	8.47	38.64	44.50	44.52	54	-9.48	AV
H	17355.133	53.98	10.12	38.38	44.10	58.38	68.2	-9.82	PK
H	17355.133	40.12	10.12	38.38	44.10	44.52	54	-9.48	AV
<b>High Channel (5825 MHz)-Above 1G</b>									
V	6039.072	58.78	7.10	37.24	43.50	59.62	68.2	-8.58	PK
V	6039.072	43.63	7.10	37.24	43.50	44.47	54	-9.53	AV
V	11650.110	59.66	8.46	37.68	44.50	61.30	74	-12.70	PK
V	11650.110	43.32	8.46	37.68	44.50	44.96	54	-9.04	AV
V	17475.025	59.74	10.12	38.80	44.10	64.56	68.2	-3.64	PK
V	17475.025	43.91	10.12	38.80	42.70	50.13	54	-3.87	AV
H	6039.064	55.02	7.10	37.24	43.50	55.86	68.2	-12.34	PK
H	6039.064	43.64	7.10	37.24	43.50	44.48	54	-9.52	AV
H	11650.195	54.90	8.46	38.57	44.50	57.43	74	-16.57	PK
H	11650.195	41.57	8.46	38.57	44.50	44.10	54	-9.90	AV
H	17475.199	52.64	10.12	38.38	44.10	57.04	68.2	-11.16	PK
H	17475.199	41.15	10.12	38.38	44.10	45.55	54	-8.45	AV

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

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

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

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

Test Mode :	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
<b>Low Channel (5755 MHz)-Above 1G</b>									
V	4679.054	57.25	5.94	35.40	44.00	54.59	74	-19.41	PK
V	4679.054	43.47	5.94	35.40	44.00	40.81	54	-13.19	AV
V	11510.145	56.80	8.46	39.75	44.50	60.51	74	-13.49	PK
V	11510.145	43.22	8.46	39.75	44.50	46.93	54	-7.07	AV
V	17265.067	55.44	10.12	38.80	44.10	60.26	68.2	-7.94	PK
V	17265.067	2.00	10.12	38.80	42.70	8.22	54	-45.78	AV
H	4679.171	58.07	5.94	35.18	44.00	55.19	74	-18.81	PK
H	4679.171	43.42	5.94	35.18	44.00	40.54	54	-13.46	AV
H	11510.135	52.41	8.46	38.71	44.50	55.08	74	-18.92	PK
H	11510.135	40.20	8.46	38.71	44.50	42.87	54	-11.13	AV
H	17265.193	51.67	10.12	38.38	44.10	56.07	68.2	-12.13	PK
H	17265.193	44.11	10.12	38.38	44.10	48.51	54	-5.49	AV
<b>middle Channel (5795 MHz)-Above 1G</b>									
V	6039.005	58.19	6.48	36.35	44.05	56.97	68.2	-11.23	PK
V	6039.005	43.61	6.48	36.35	44.05	42.39	54	-11.61	AV
V	11590.133	55.09	8.47	37.88	44.51	56.93	74	-17.07	PK
V	11590.133	43.04	8.47	37.88	44.51	44.88	54	-9.12	AV
V	17385.125	55.87	10.12	38.80	44.10	60.69	68.2	-7.51	PK
V	17385.125	41.34	10.12	38.80	42.70	47.56	54	-6.44	AV
H	6039.014	56.31	6.48	36.37	44.05	55.11	68.2	-13.09	PK
H	6039.014	43.15	6.48	36.37	44.05	41.95	54	-12.05	AV
H	11590.089	53.25	8.47	38.64	44.50	55.86	74	-18.14	PK
H	11590.089	41.64	8.47	38.64	44.50	44.25	54	-9.75	AV
H	17385.163	51.61	10.12	38.38	44.10	56.01	68.2	-12.19	PK
H	17385.163	44.35	10.12	38.38	44.10	48.75	54	-5.25	AV

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



Test Mode :	TX (5.8G) -- 802.11ac 80
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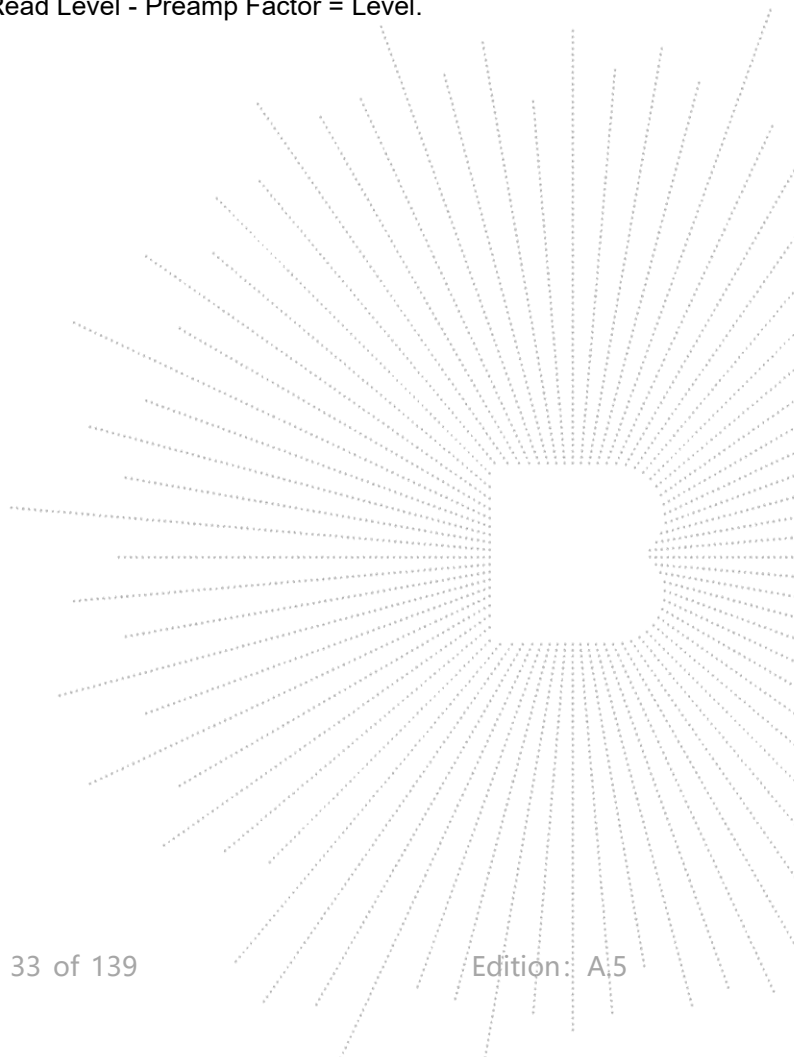
Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Cable loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detector Type
<b>Low Channel (5775 MHz)-Above 1G</b>									
V	4679.003	56.43	5.94	35.40	44.00	53.77	74	-20.23	PK
V	4679.003	43.49	5.94	35.40	44.00	40.83	54	-13.17	AV
V	11550.033	57.30	8.46	39.75	44.50	61.01	74	-12.99	PK
V	11550.033	42.51	8.46	39.75	44.50	46.22	54	-7.78	AV
V	17325.073	60.60	10.12	38.80	44.10	65.42	68.2	-2.78	PK
V	17325.073	41.75	10.12	38.80	42.70	47.97	54	-6.03	AV
H	4679.186	59.77	5.94	35.18	44.00	56.89	74	-17.11	PK
H	4679.186	43.13	5.94	35.18	44.00	40.25	54	-13.75	AV
H	11550.025	53.90	8.46	38.71	44.50	56.57	74	-17.43	PK
H	11550.025	42.95	8.46	38.71	44.50	45.62	54	-8.38	AV
H	17325.024	54.73	10.12	38.38	44.10	59.13	68.2	-9.07	PK
H	17325.024	44.97	10.12	38.38	44.10	49.37	54	-4.63	AV

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

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

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

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



## 8. Power Spectral Density Test

### 8.1 Block Diagram Of Test Setup



### 8.2 Limit

For the band 5.15-5.25 GHz,

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

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

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

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

For the band 5.725-5.85 GHz

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

### 8.3 Test Procedure

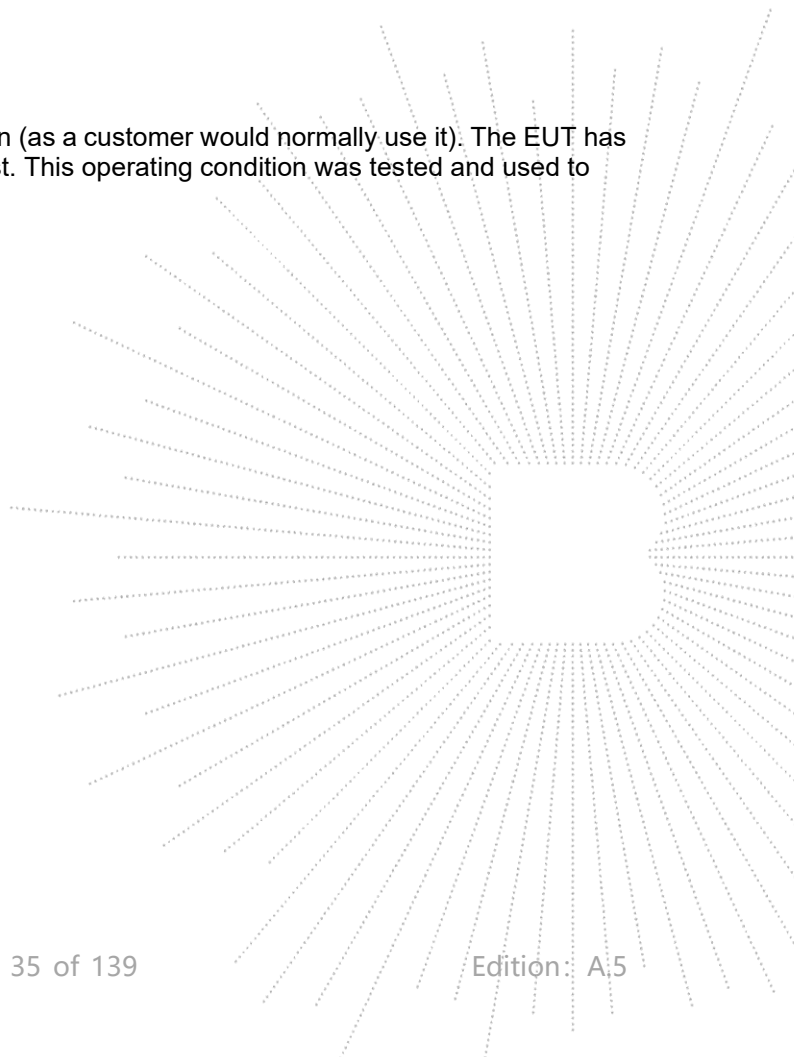
For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of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

- a) Set  $RBW \geq 1/T$ , where T is defined in section II.B.I.a).
- b) Set  $VBW \geq 3 RBW$ .
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add  $10\log(500\text{kHz}/RBW)$  to the measured result, whereas RBW (< 500 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.

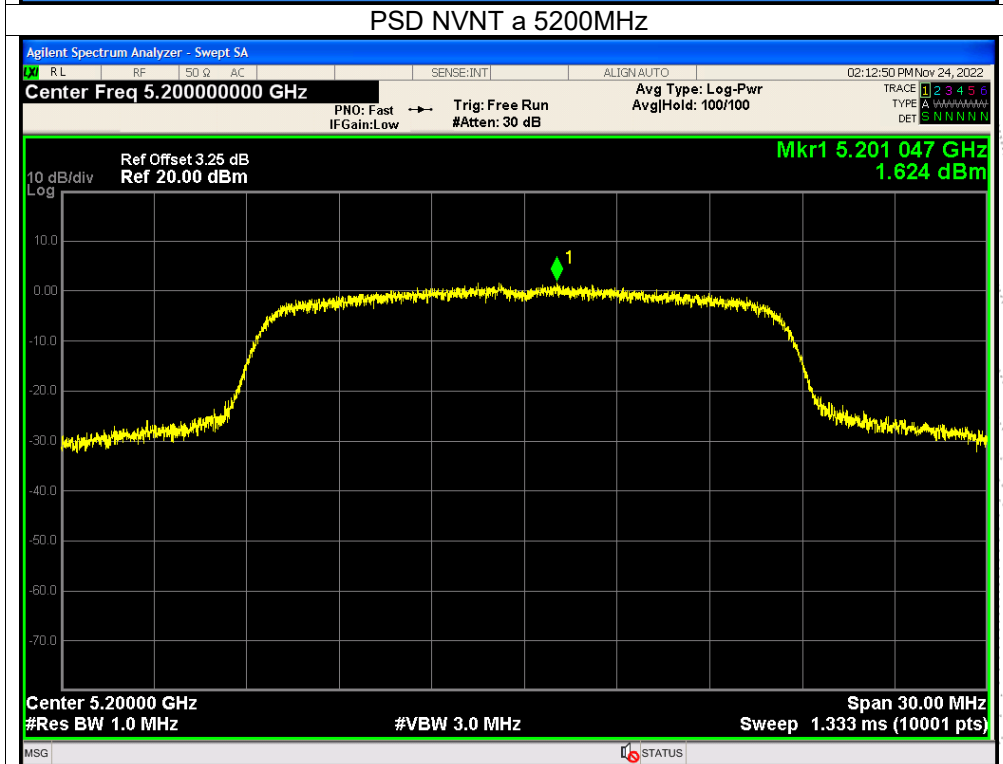
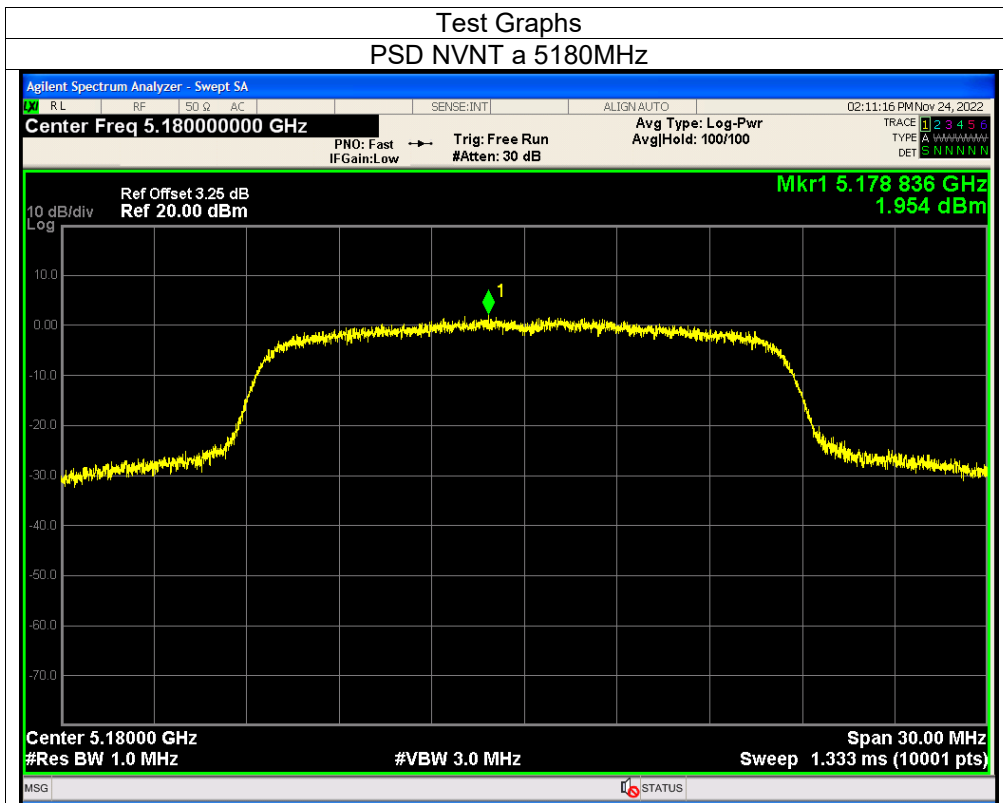


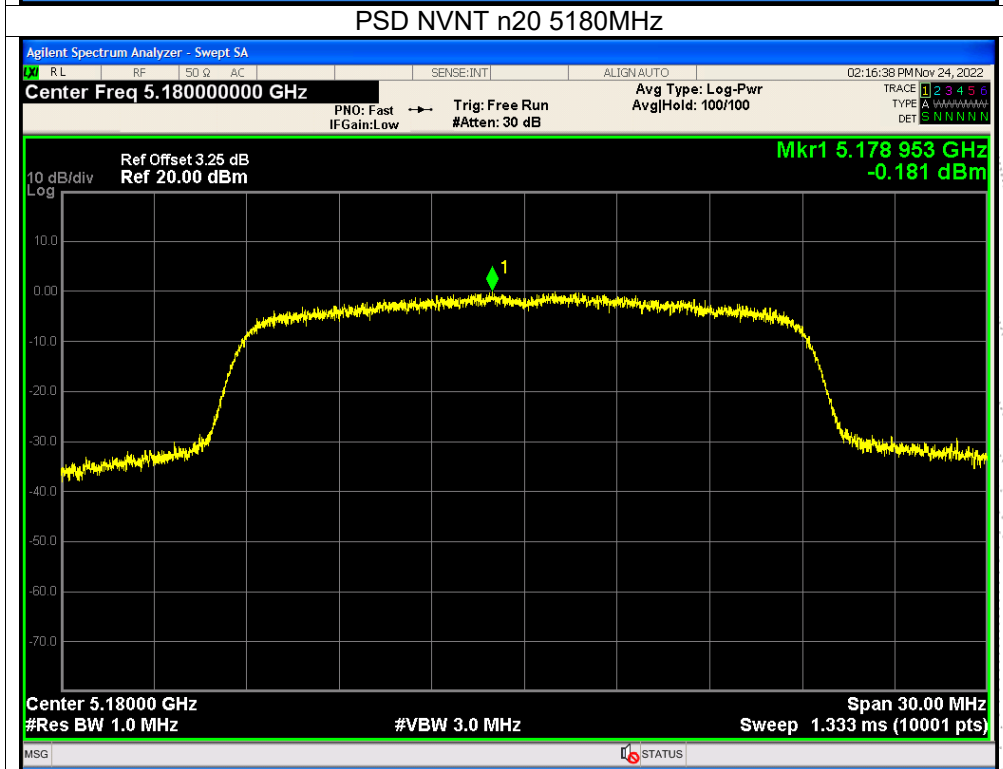
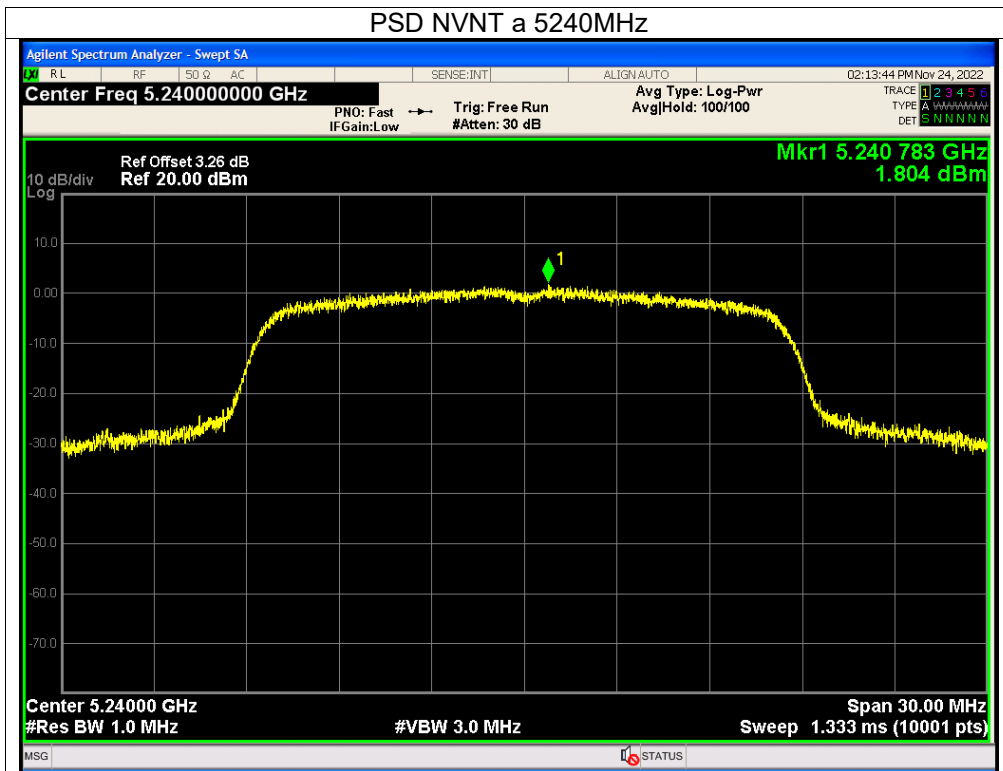
## 8.5 Test Result

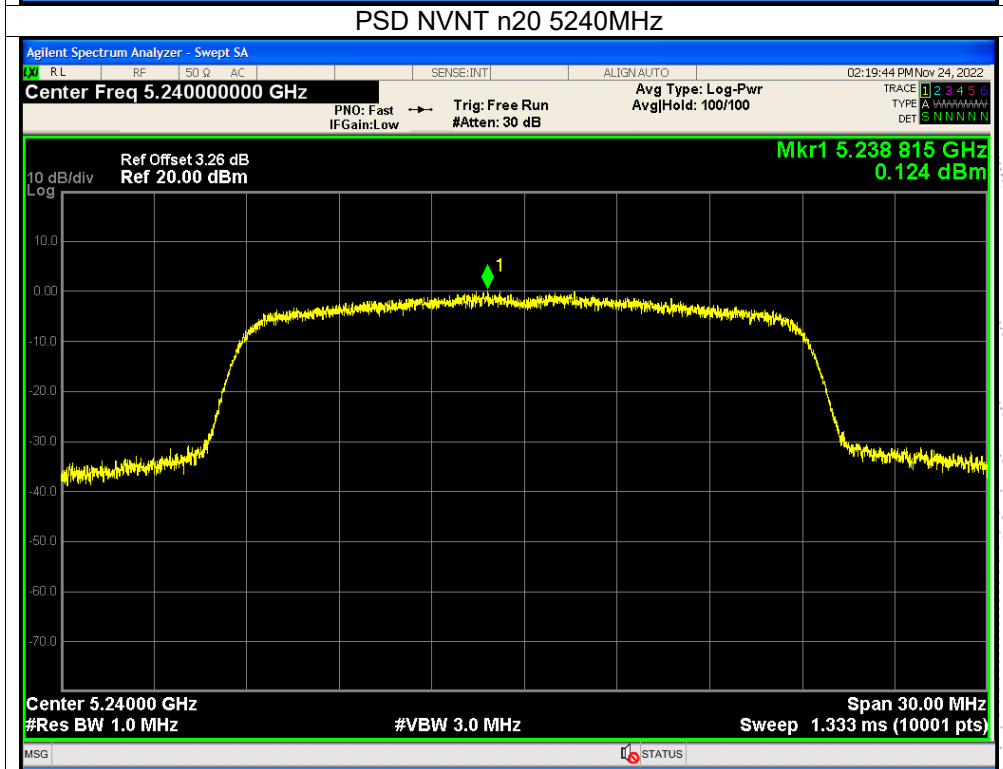
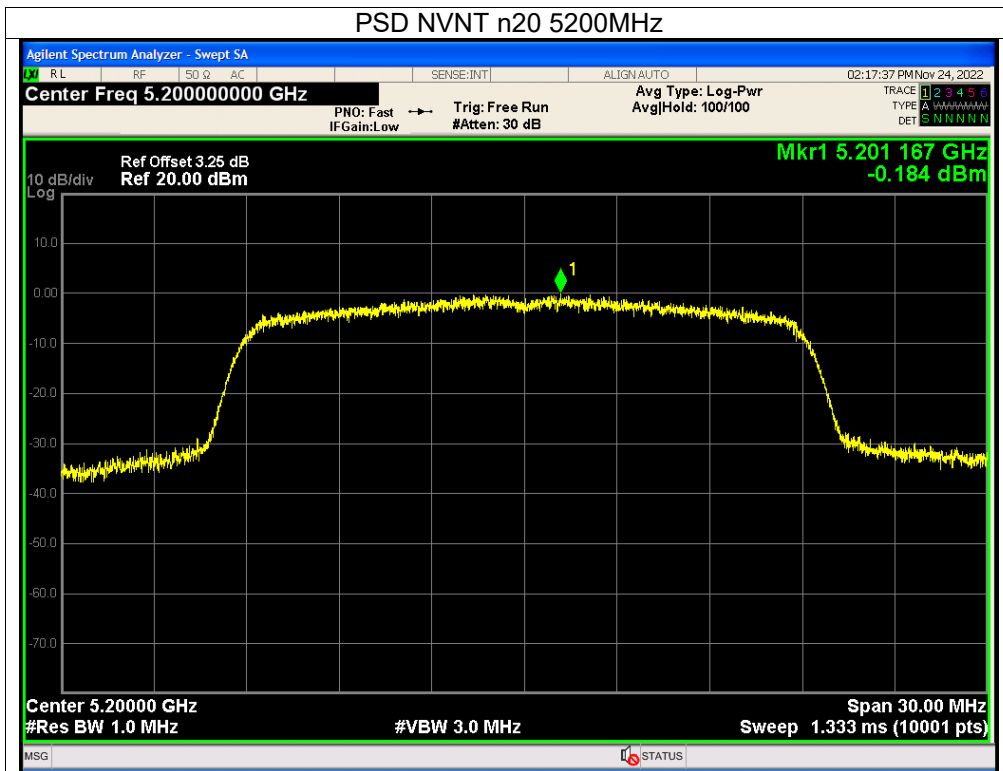
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 3.85V
Test Mode :	(5180-5240MHz); (5745-5825MHz)		

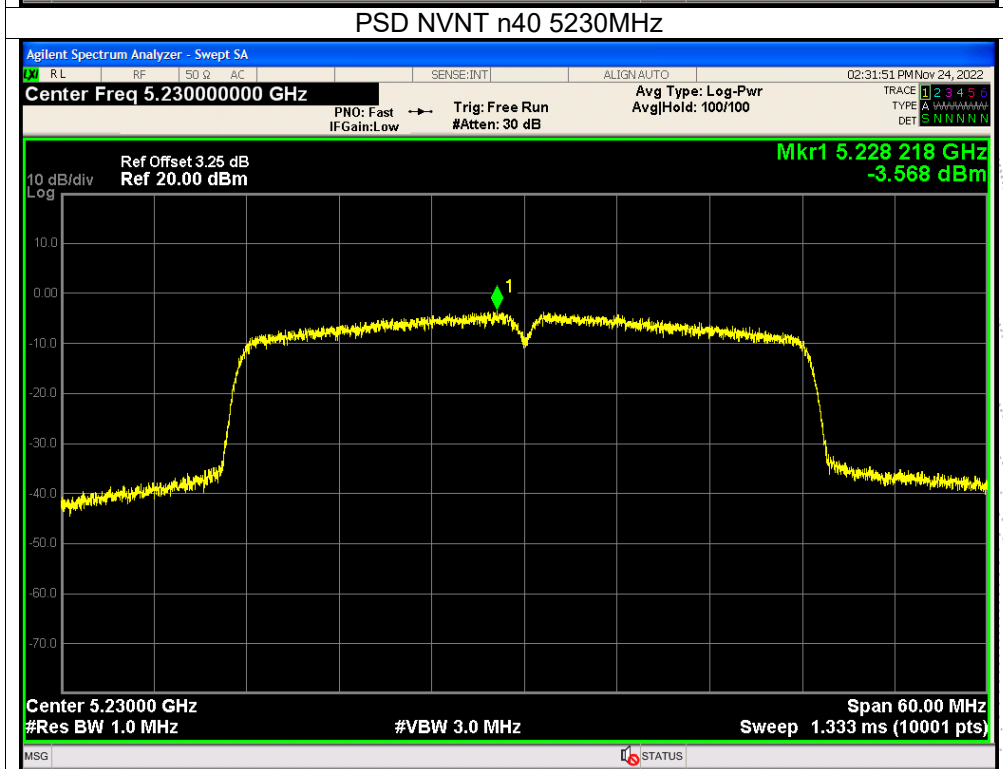
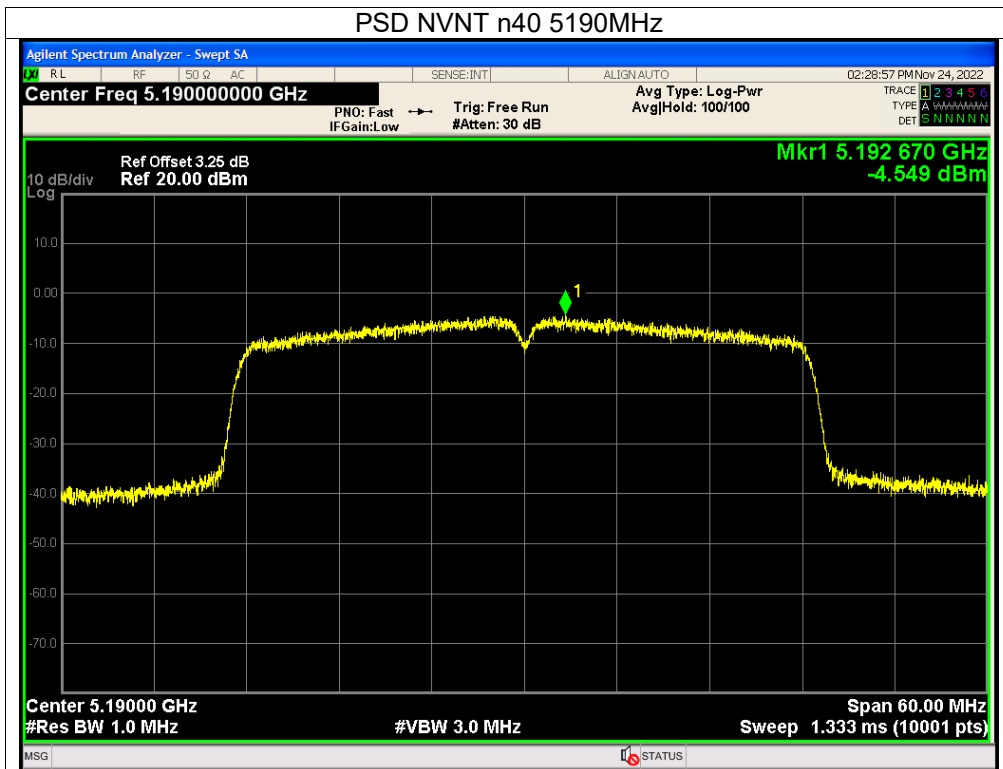
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/1MHz)	Limit (dBm/1MHz)	Verdict
NVNT	a	5180	1.95	11	Pass
NVNT	a	5200	1.62	11	Pass
NVNT	a	5240	1.8	11	Pass
NVNT	n20	5180	-0.18	11	Pass
NVNT	n20	5200	-0.18	11	Pass
NVNT	n20	5240	0.12	11	Pass
NVNT	n40	5190	-4.55	11	Pass
NVNT	n40	5230	-3.57	11	Pass
NVNT	ac20	5180	-0.24	11	Pass
NVNT	ac20	5200	-0.69	11	Pass
NVNT	ac20	5240	-0.52	11	Pass
NVNT	ac40	5190	-4.22	11	Pass
NVNT	ac40	5230	-3.45	11	Pass
NVNT	ac80	5210	-8.85	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	-7.07	30	Pass
NVNT	a	5785	-7.89	30	Pass
NVNT	a	5825	-8.27	30	Pass
NVNT	n20	5745	-8.2	30	Pass
NVNT	n20	5785	-8.68	30	Pass
NVNT	n20	5825	-10.44	30	Pass
NVNT	n40	5755	-12.46	30	Pass
NVNT	n40	5795	-13.27	30	Pass
NVNT	ac20	5745	-8.72	30	Pass
NVNT	ac20	5785	-9.7	30	Pass
NVNT	ac20	5825	-10.1	30	Pass
NVNT	ac40	5755	-12.87	30	Pass
NVNT	ac40	5795	-14.2	30	Pass
NVNT	ac80	5775	-17.94	30	Pass

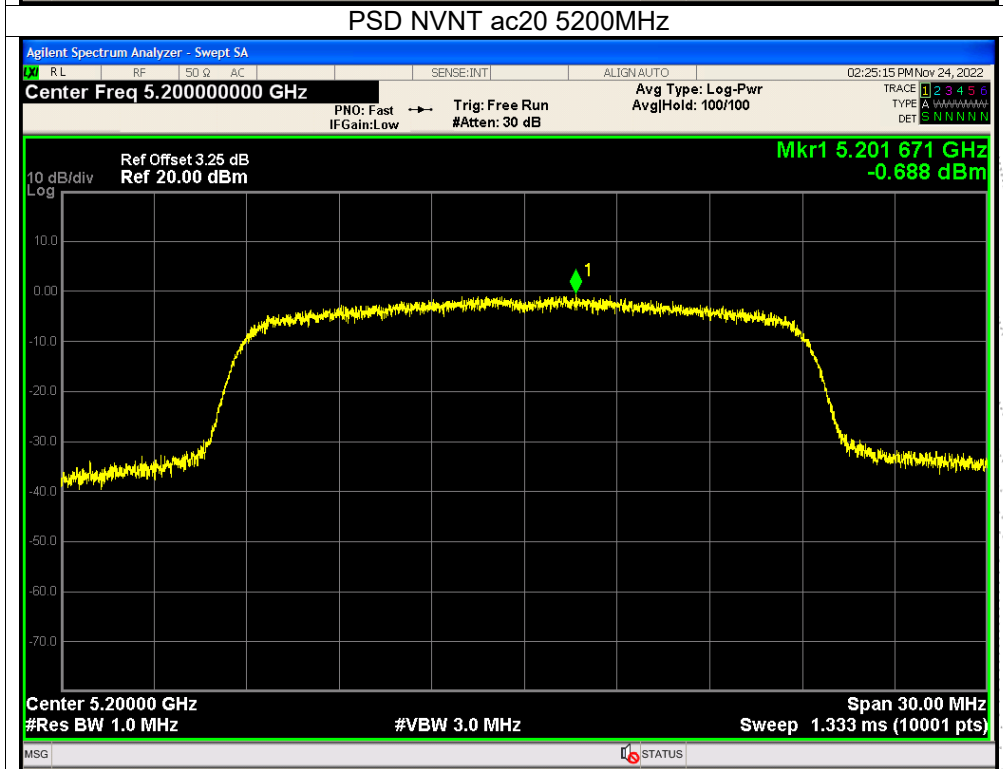
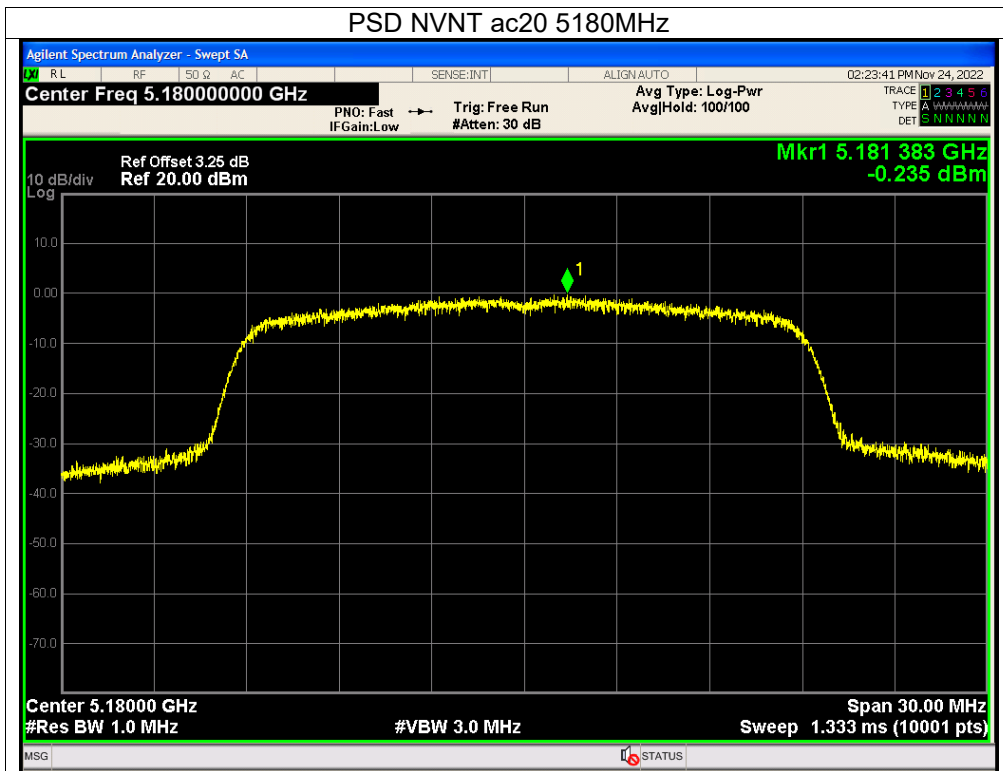


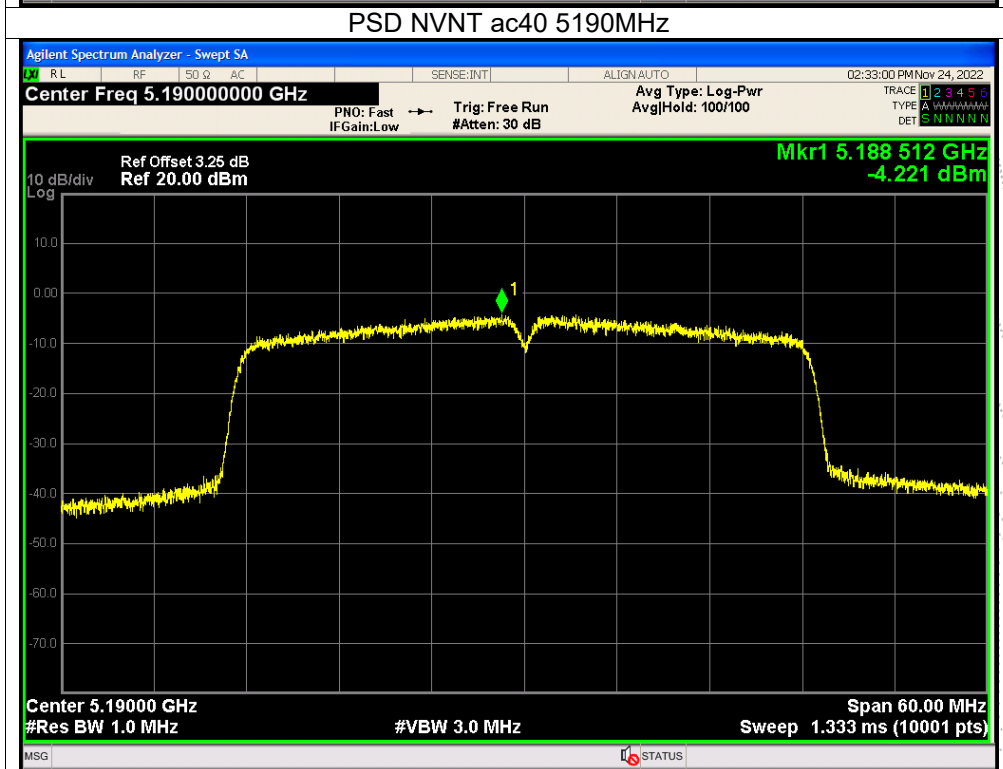
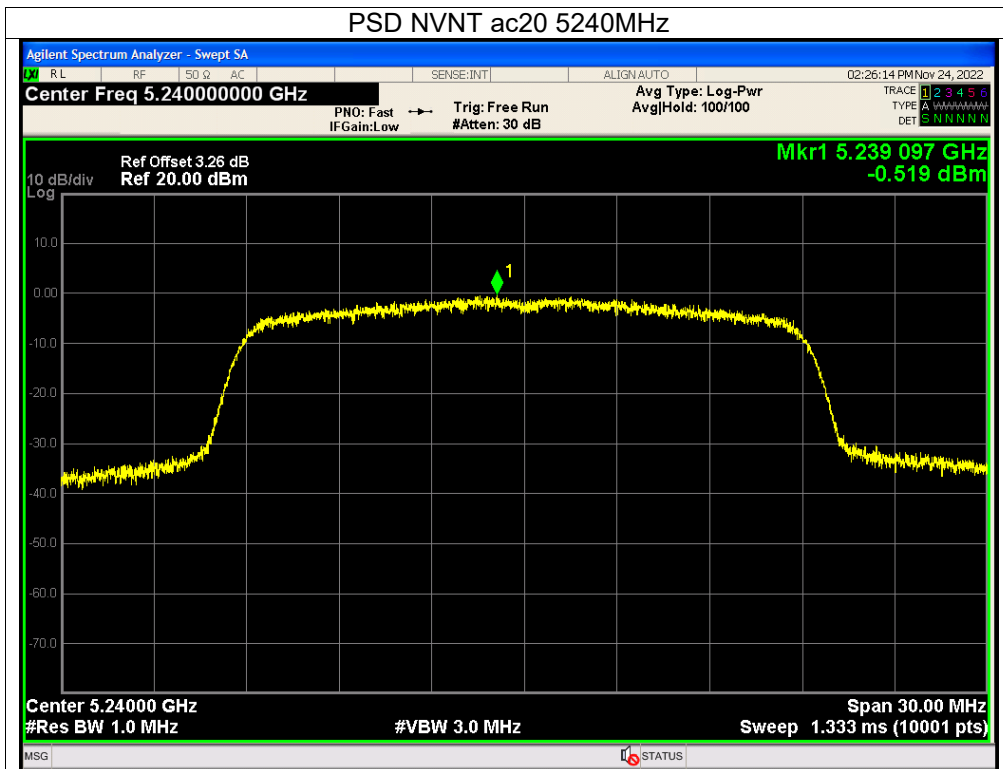


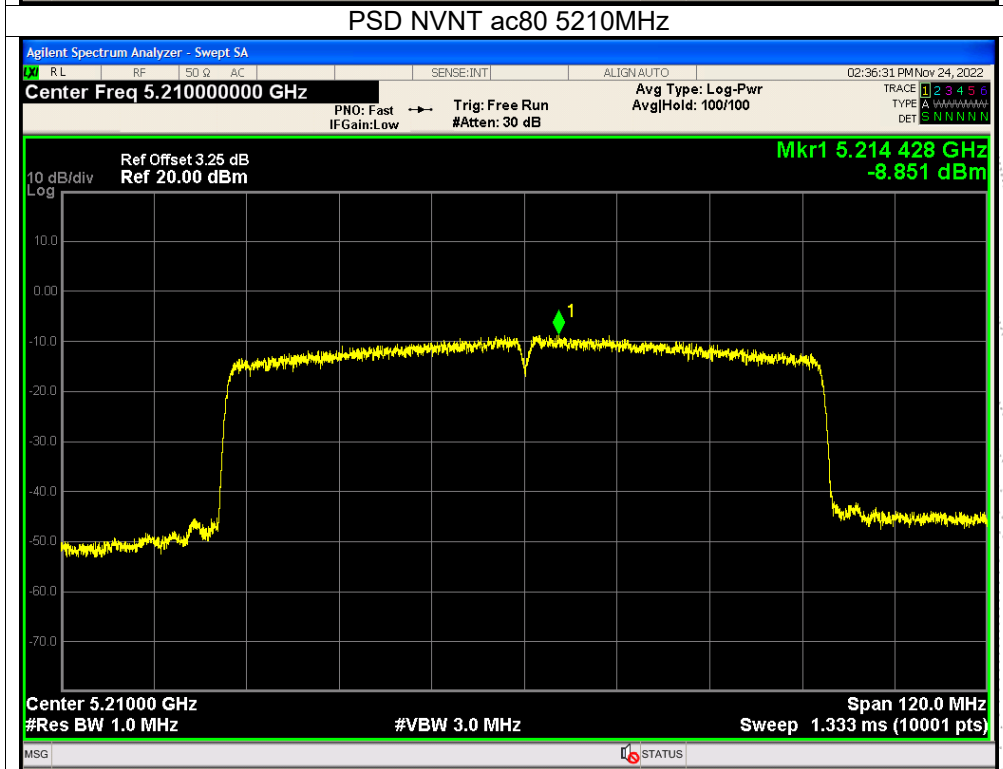
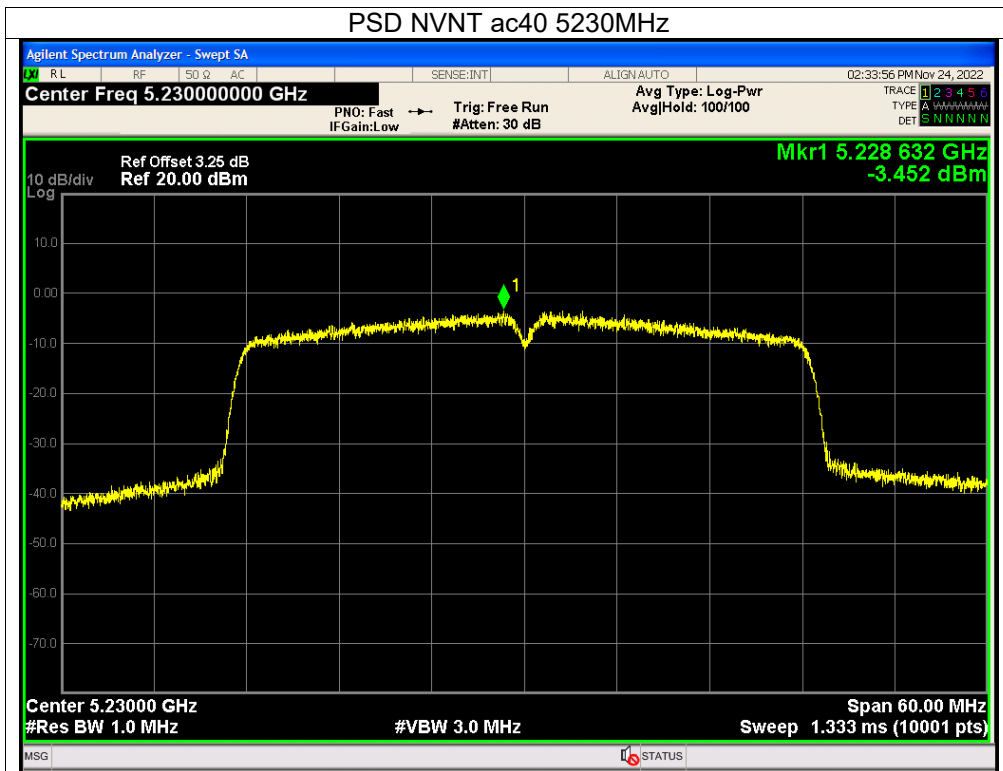


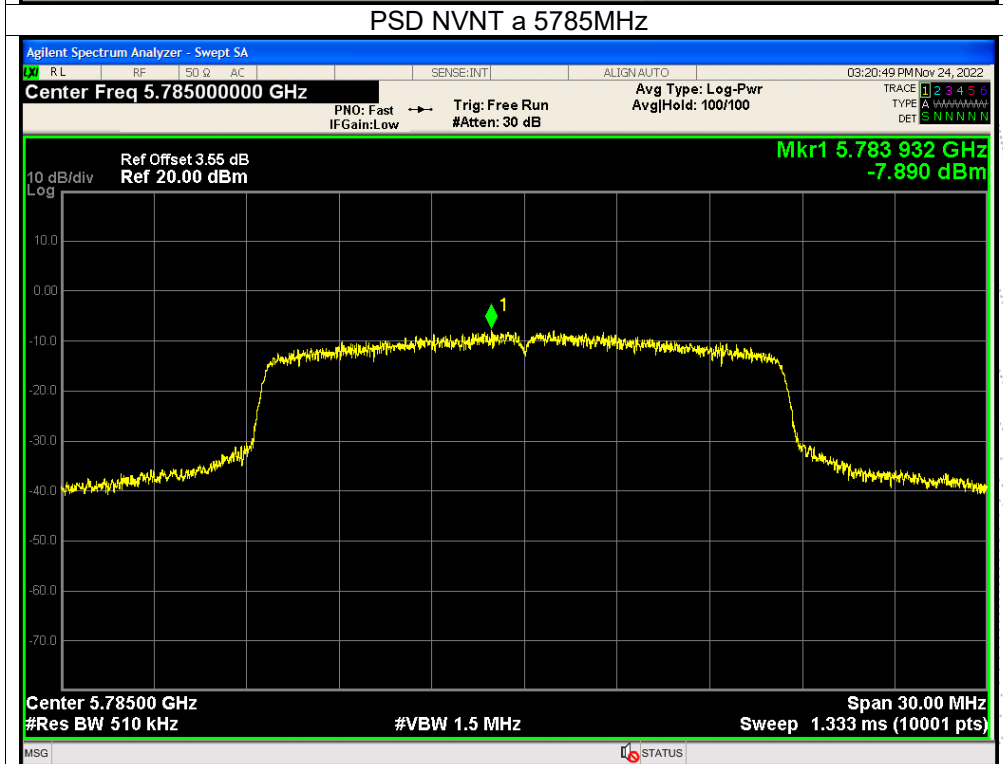
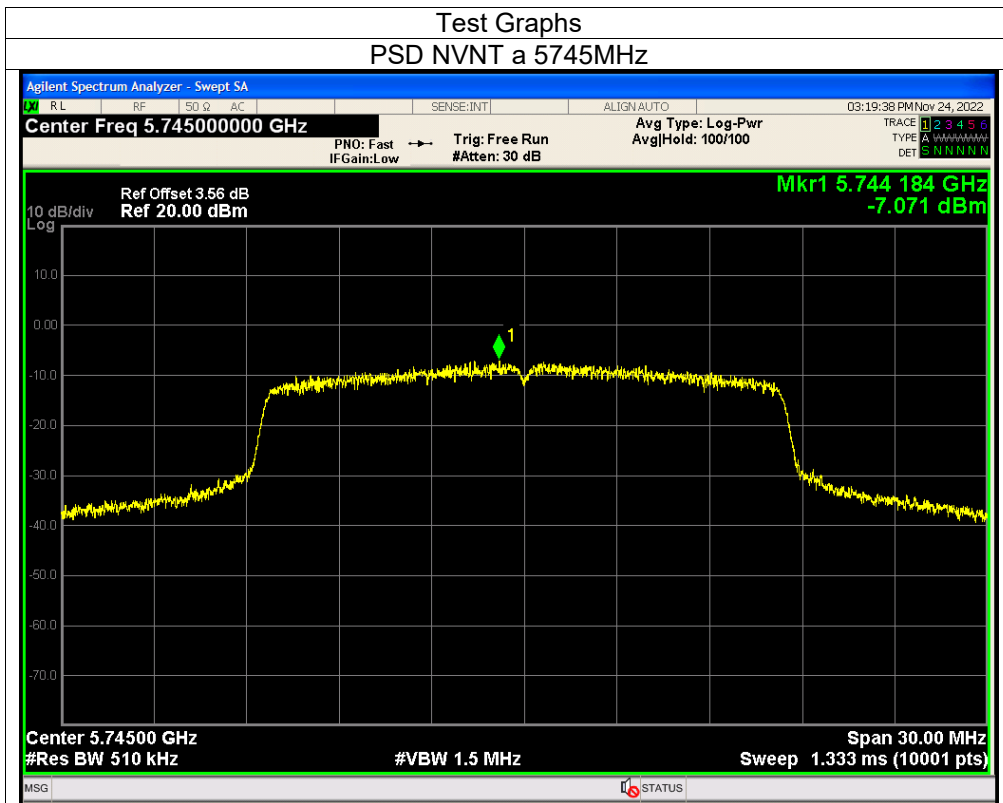


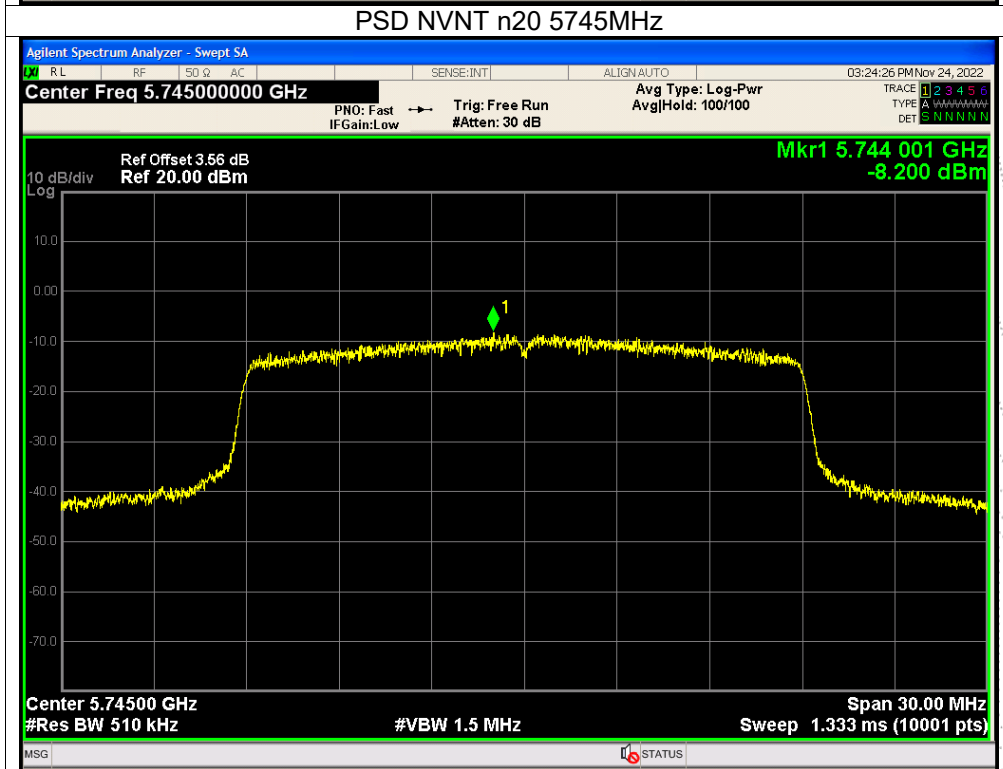
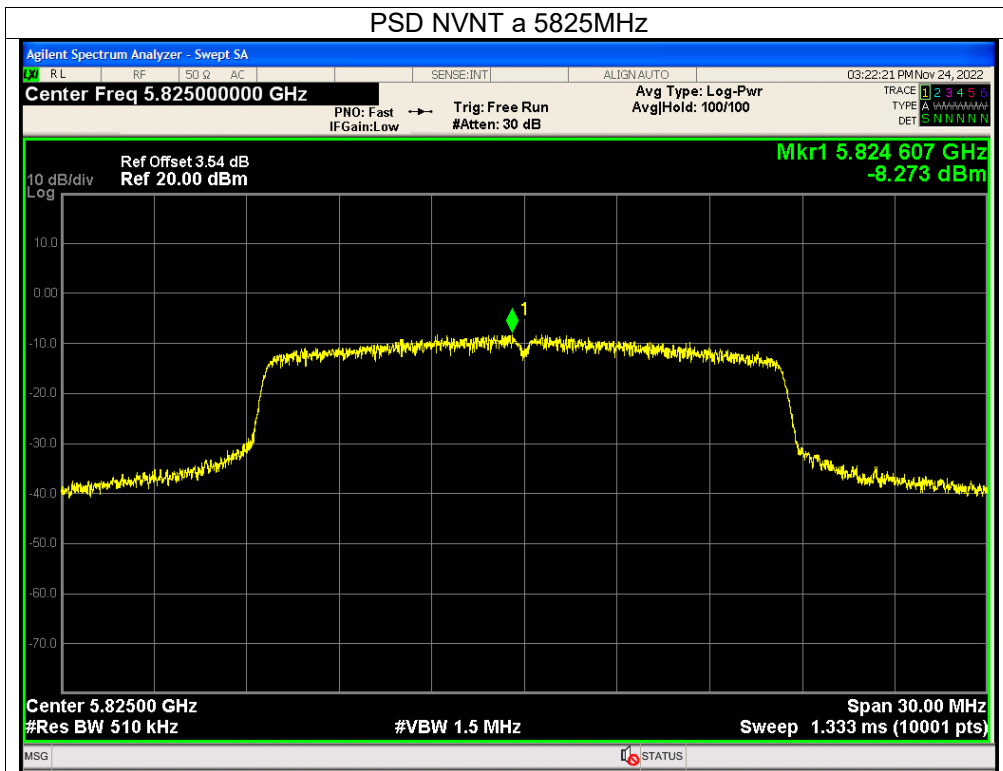


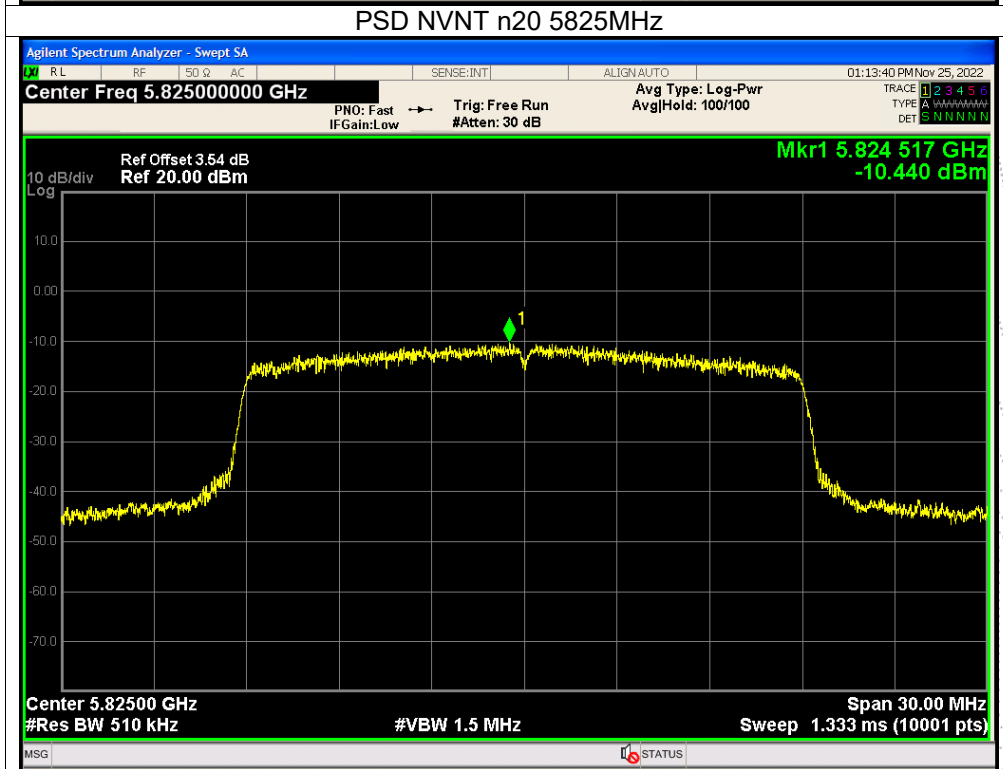
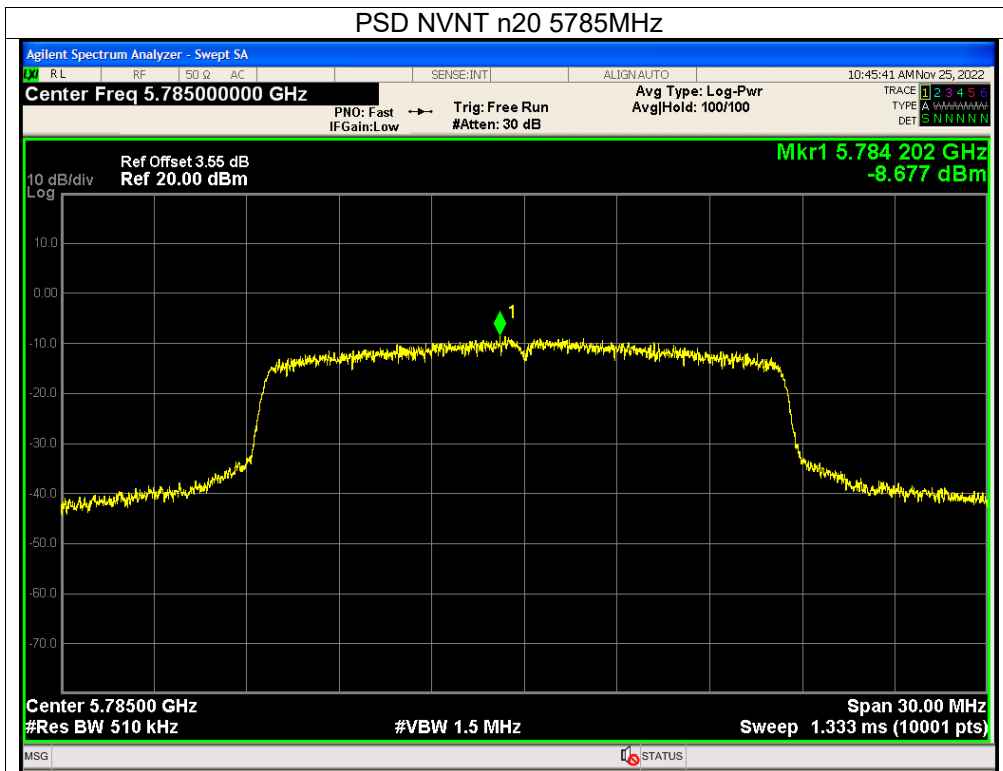


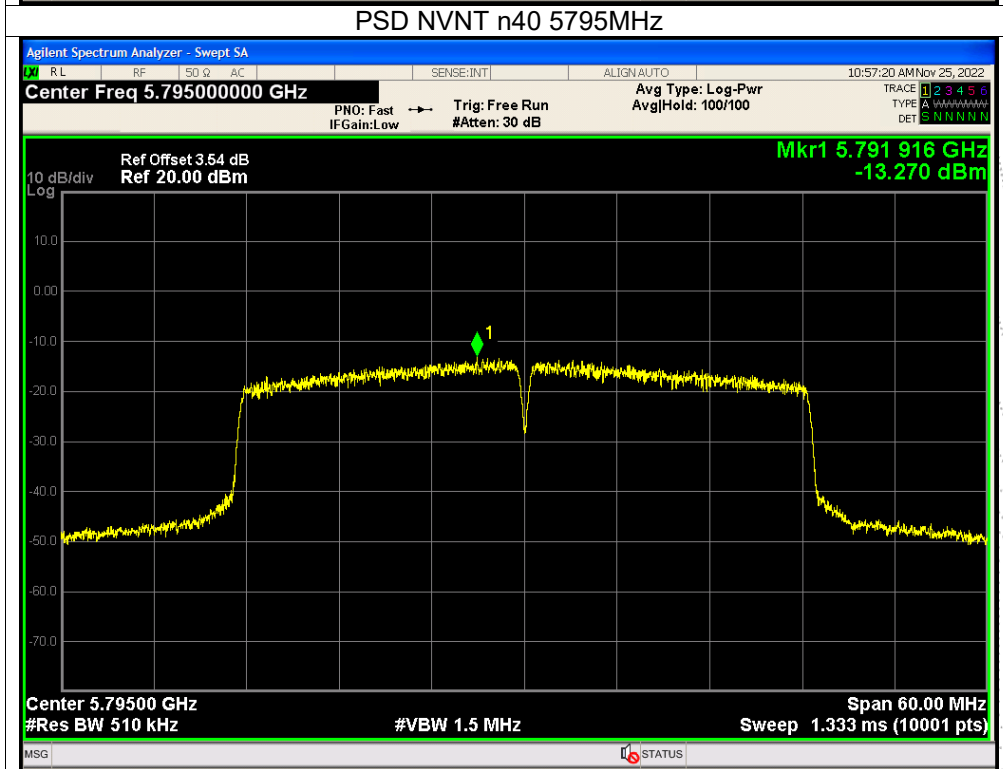
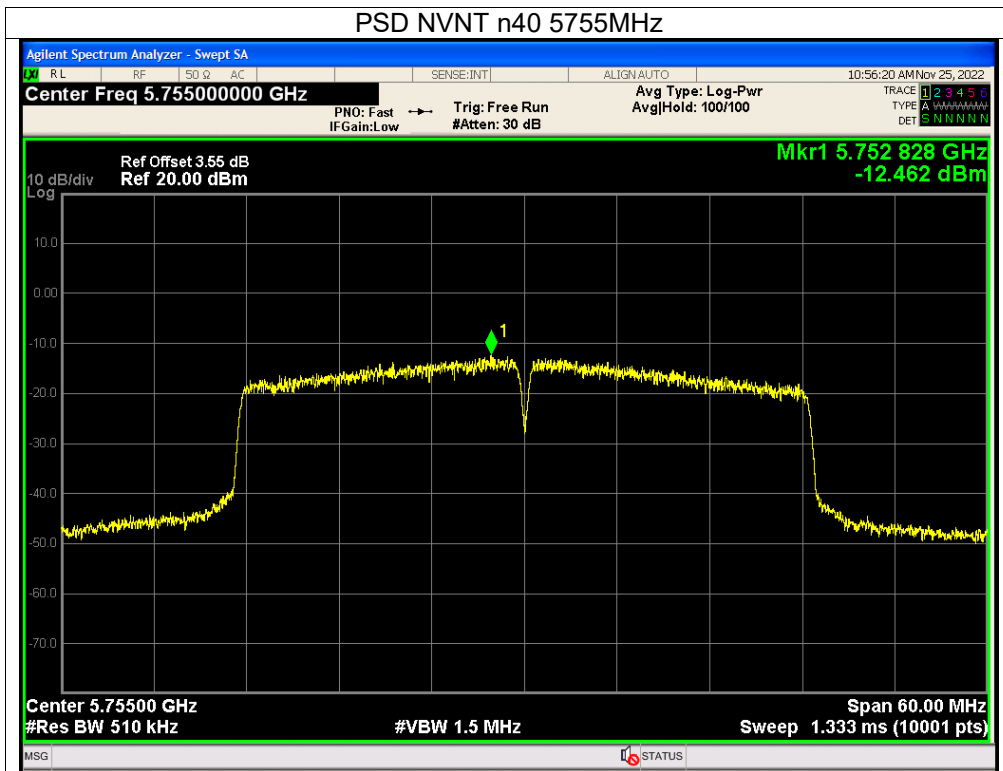


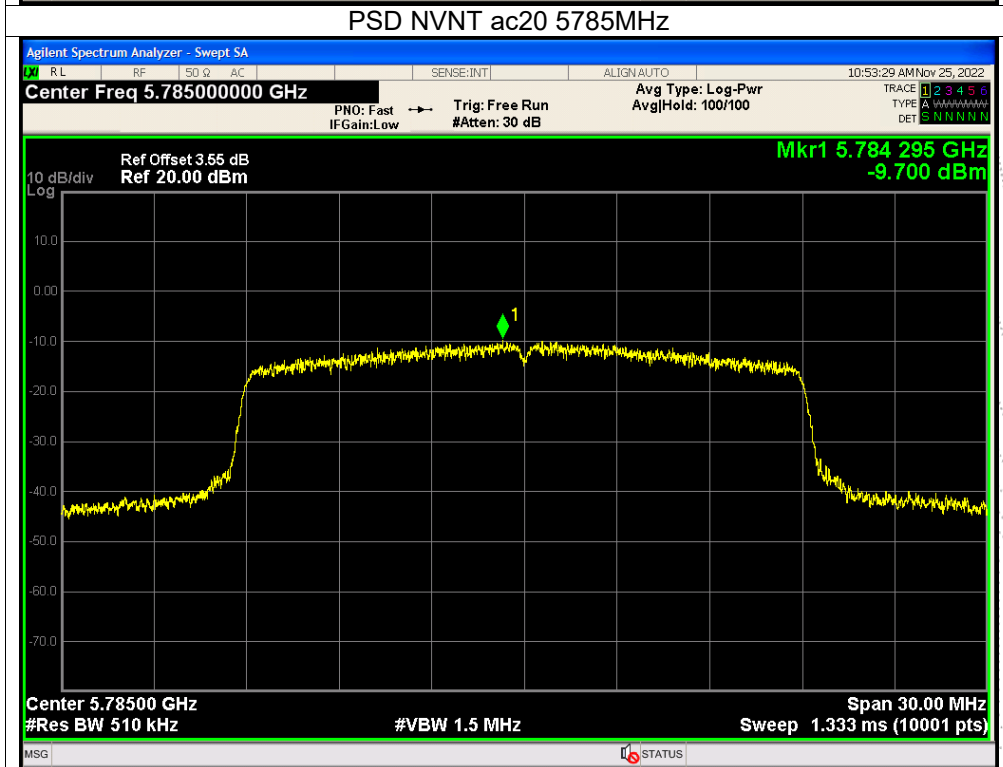
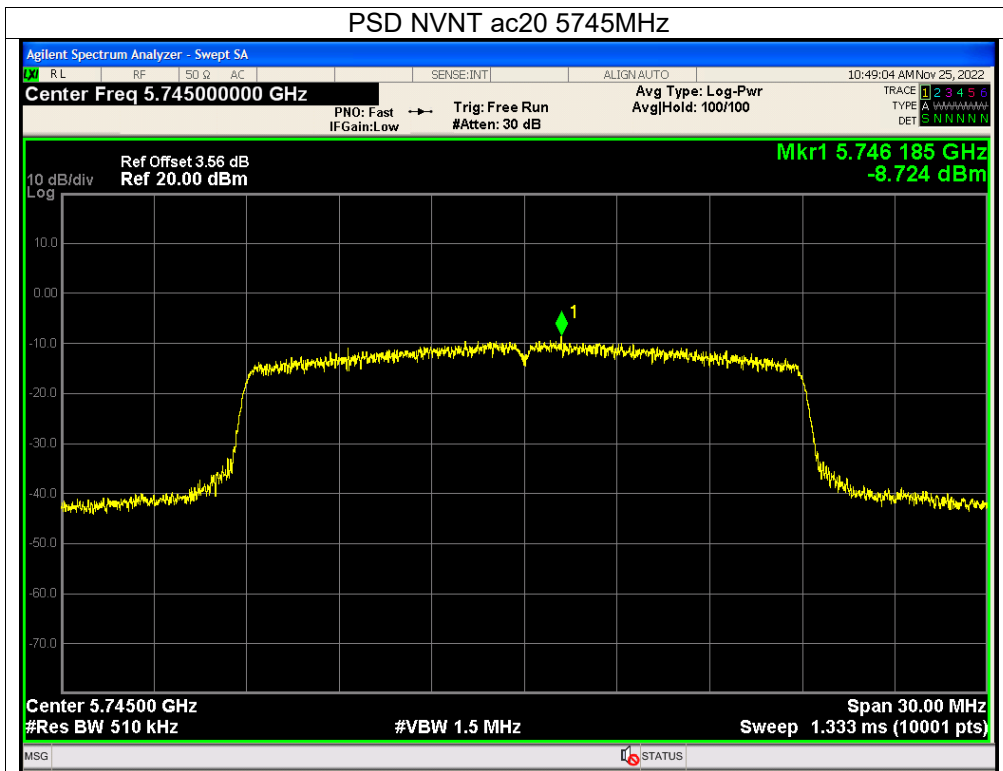




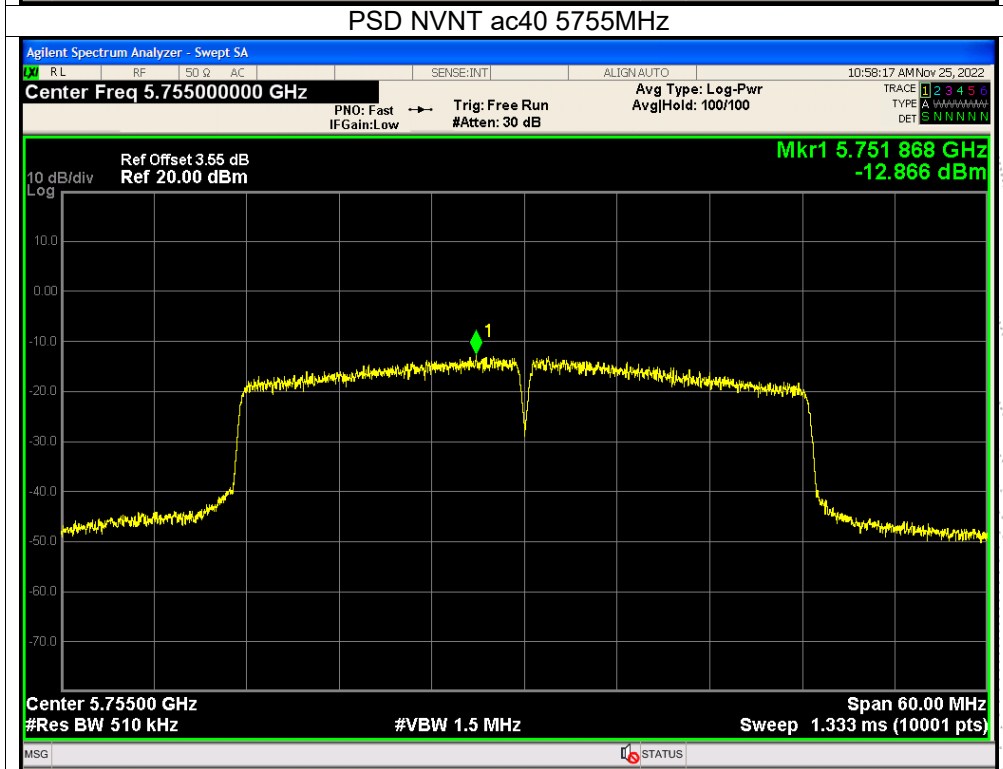
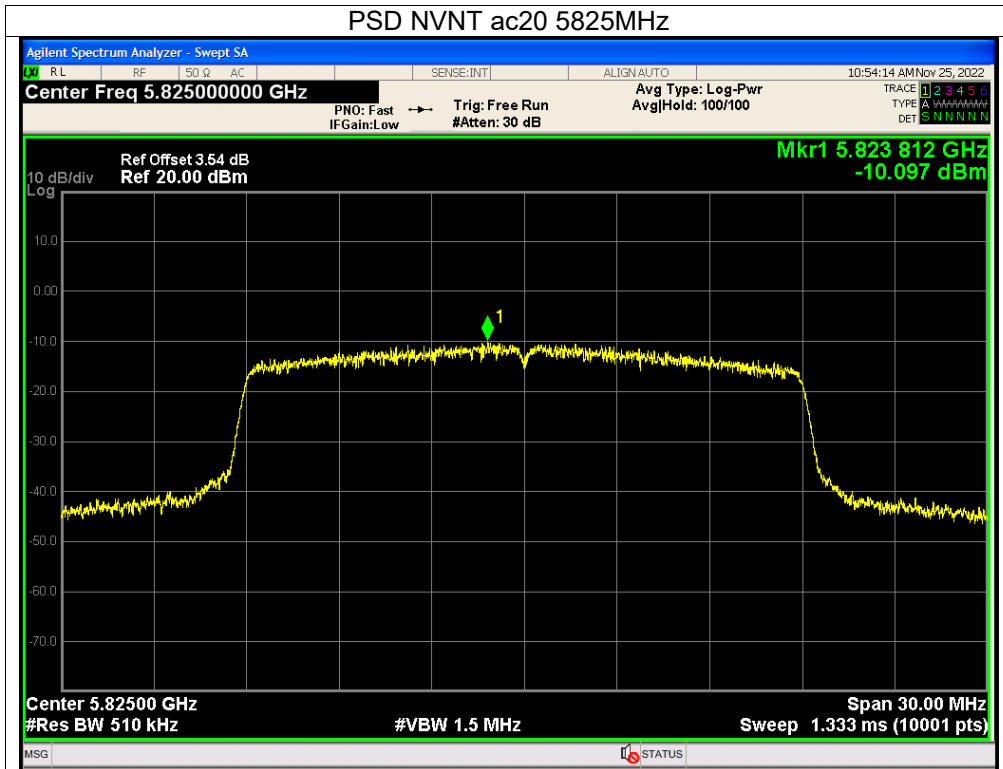


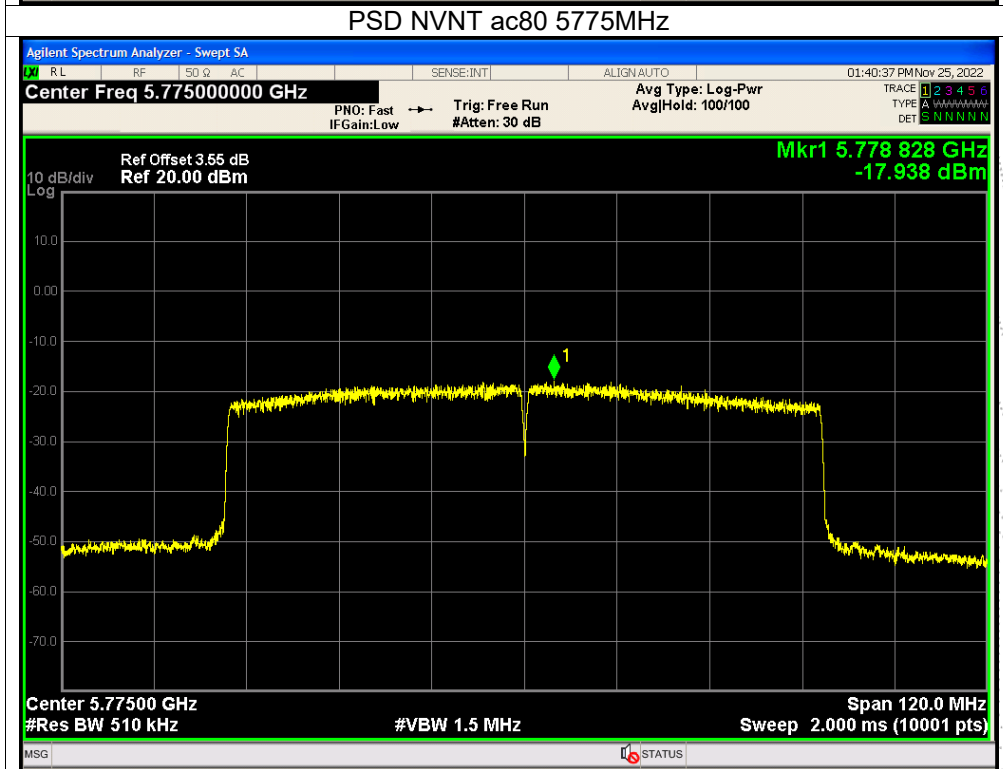
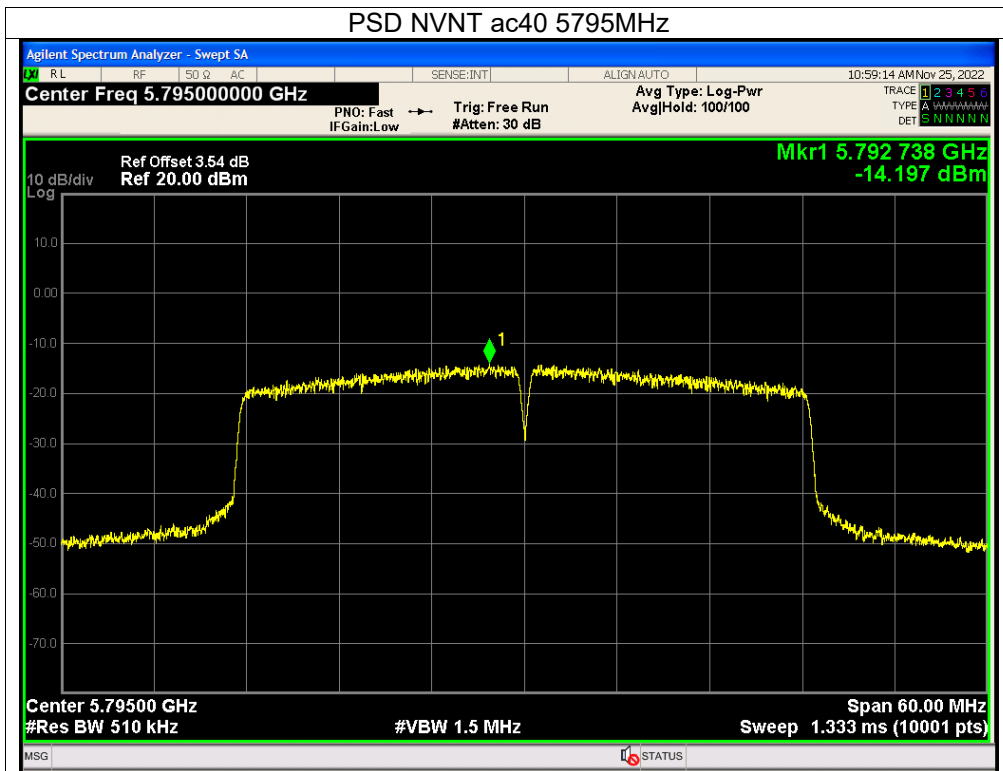






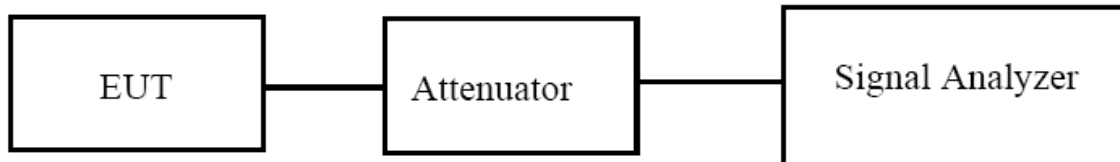






## 9. 26dB & 6dB & 99% Emission Bandwidth

### 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.  
(6dB bandwidth)>500kHz

### 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.

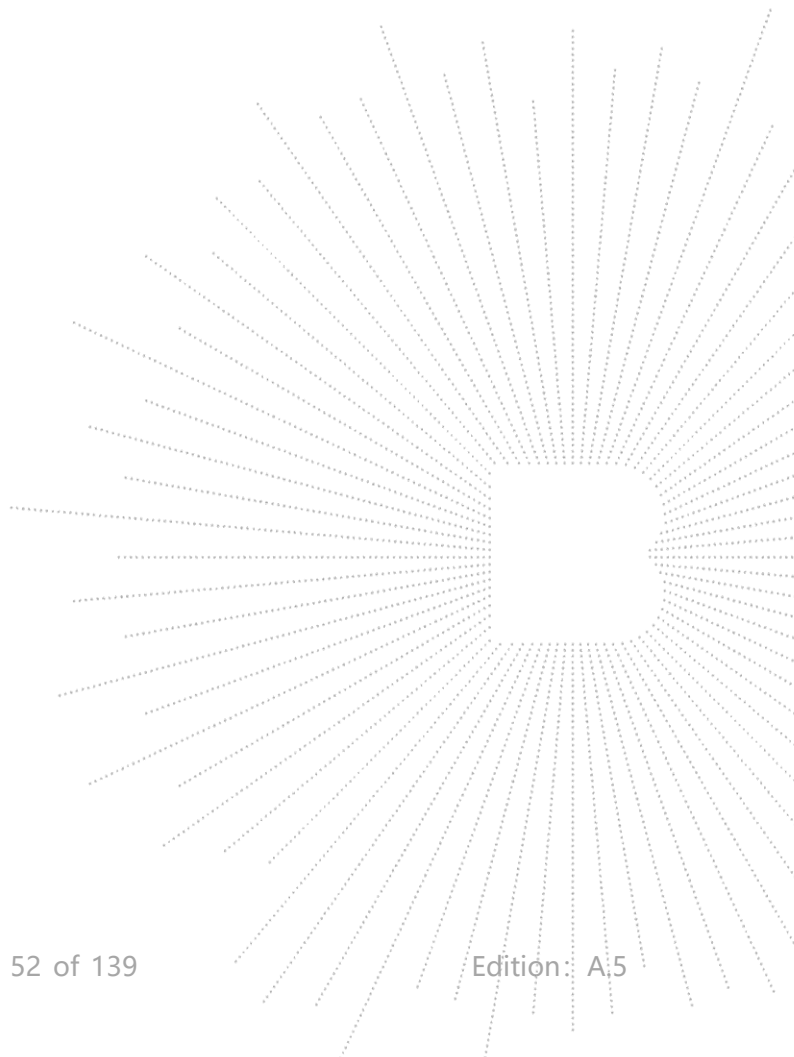
6dB

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW)  $\geq 3 \times RBW$ .
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.

7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 9.4 EUT Operating Conditions

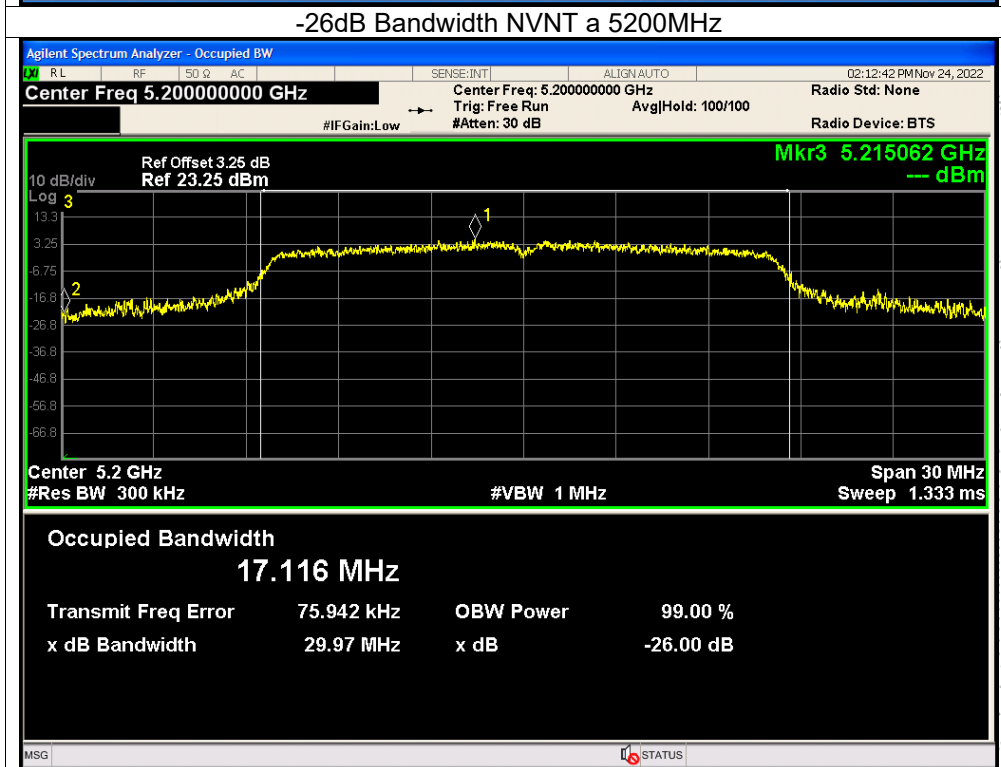
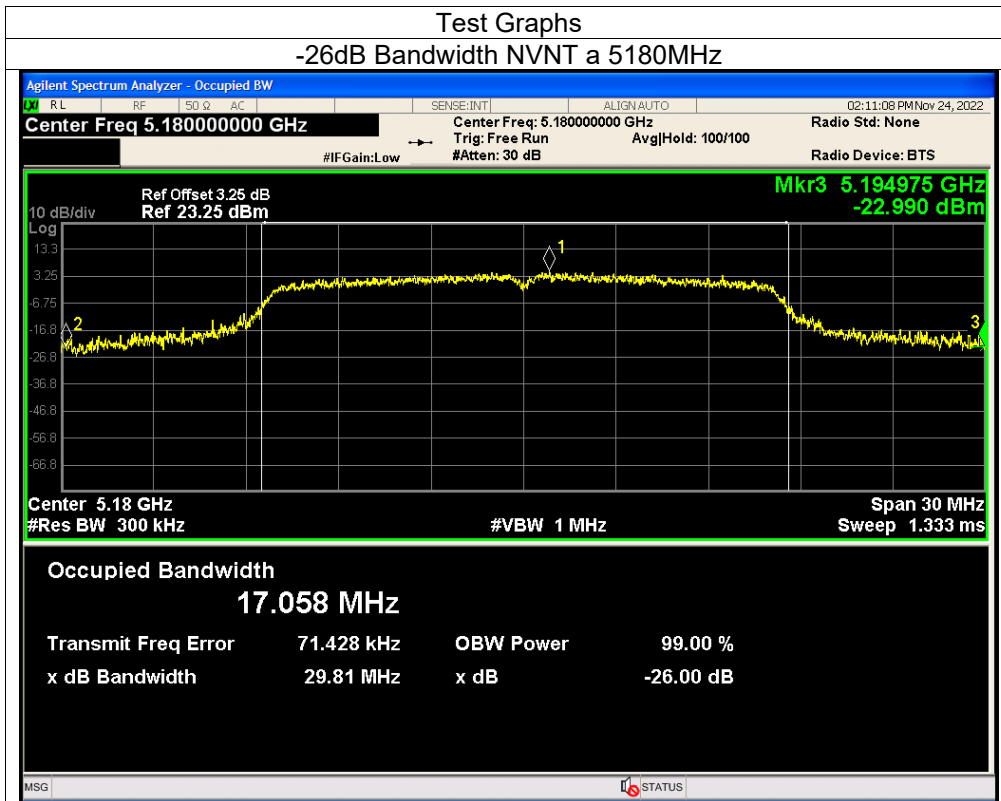
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

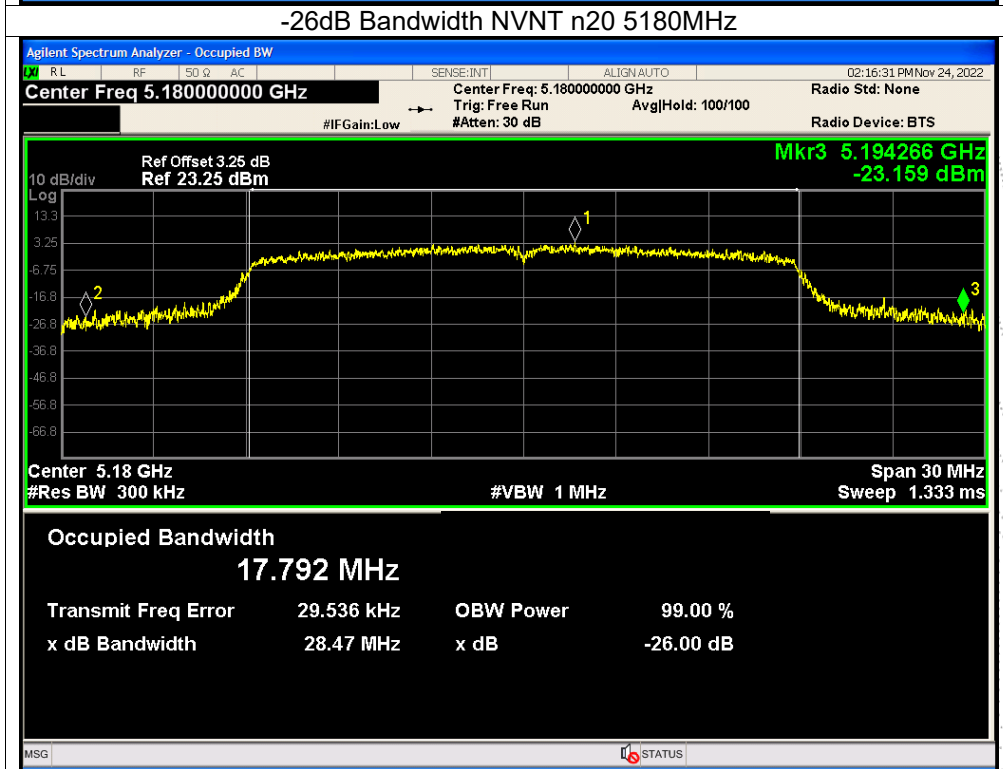
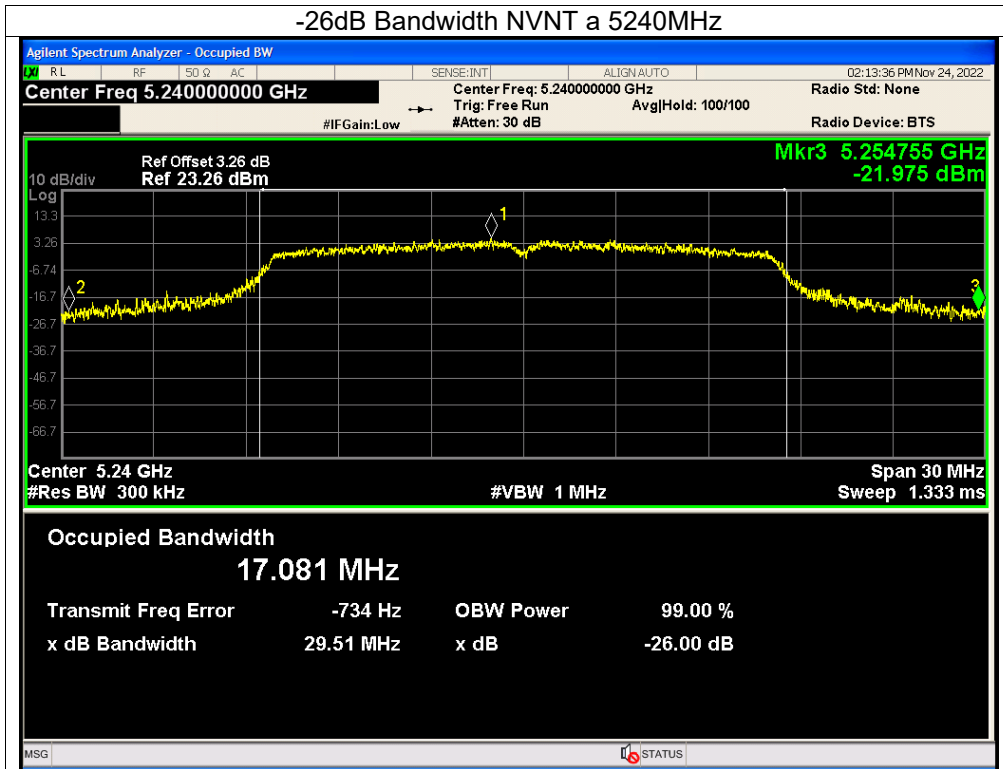


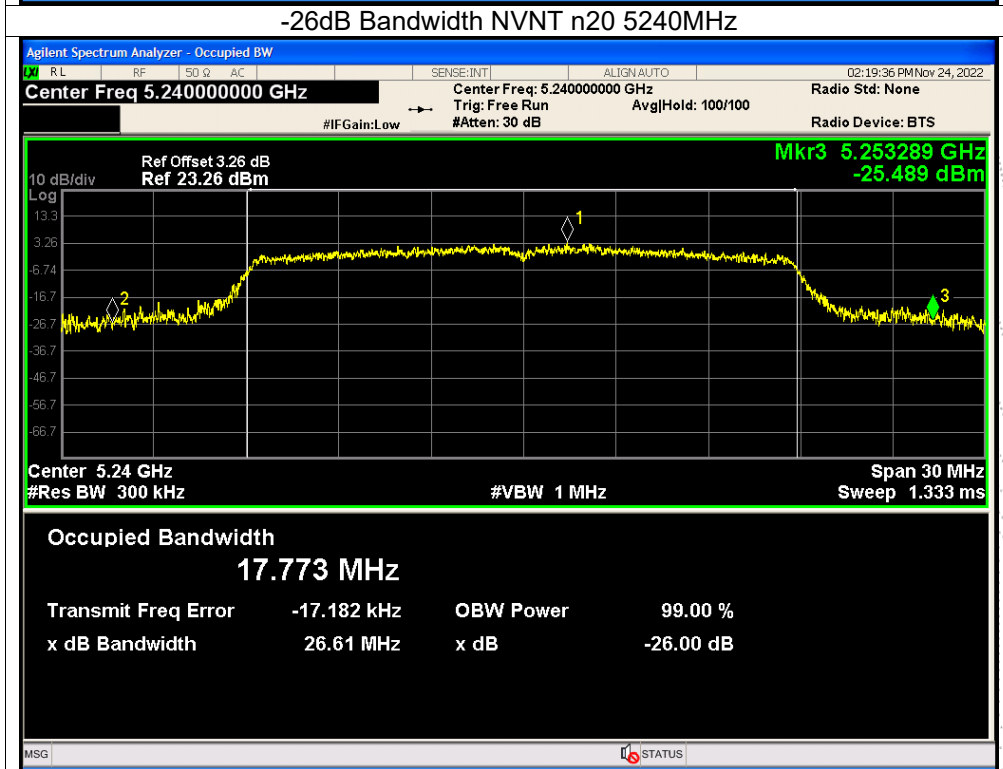
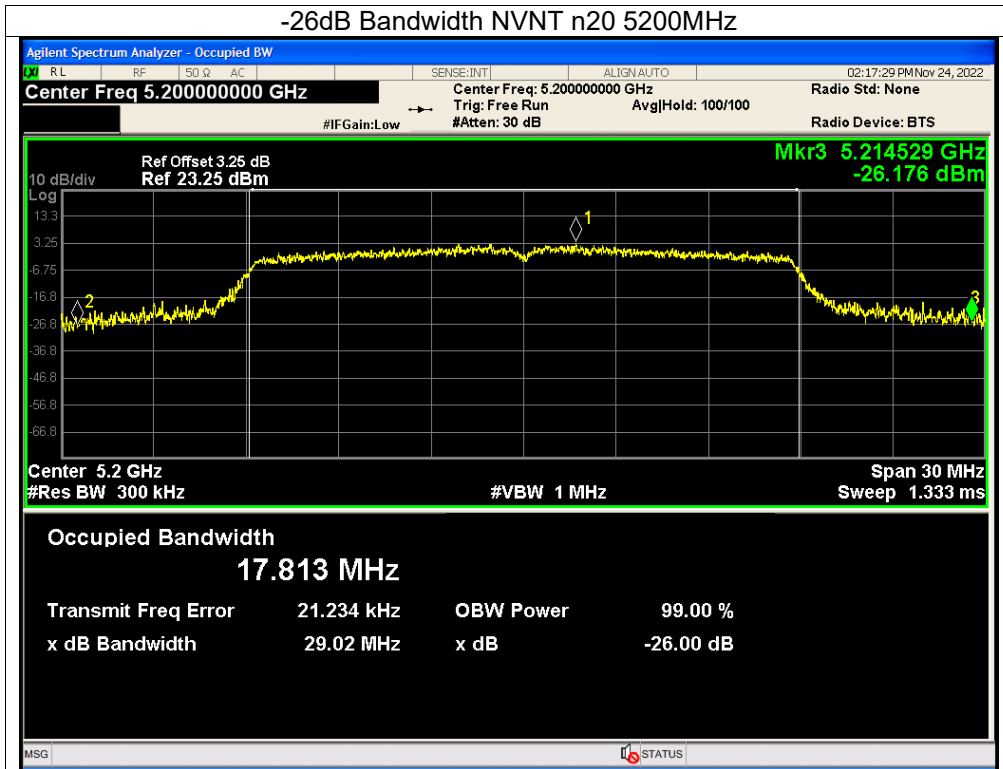
## 9.5 Test Result

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 3.85V
Test Mode :	TX Frequency U-NII-1 (5180-5240MHz)		

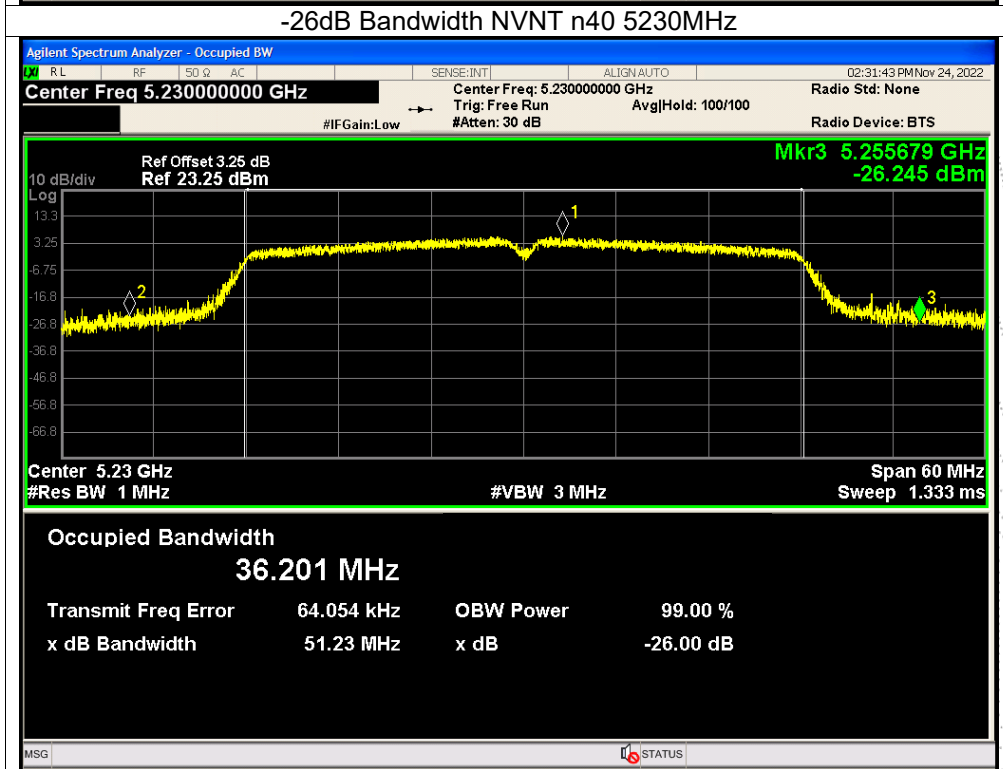
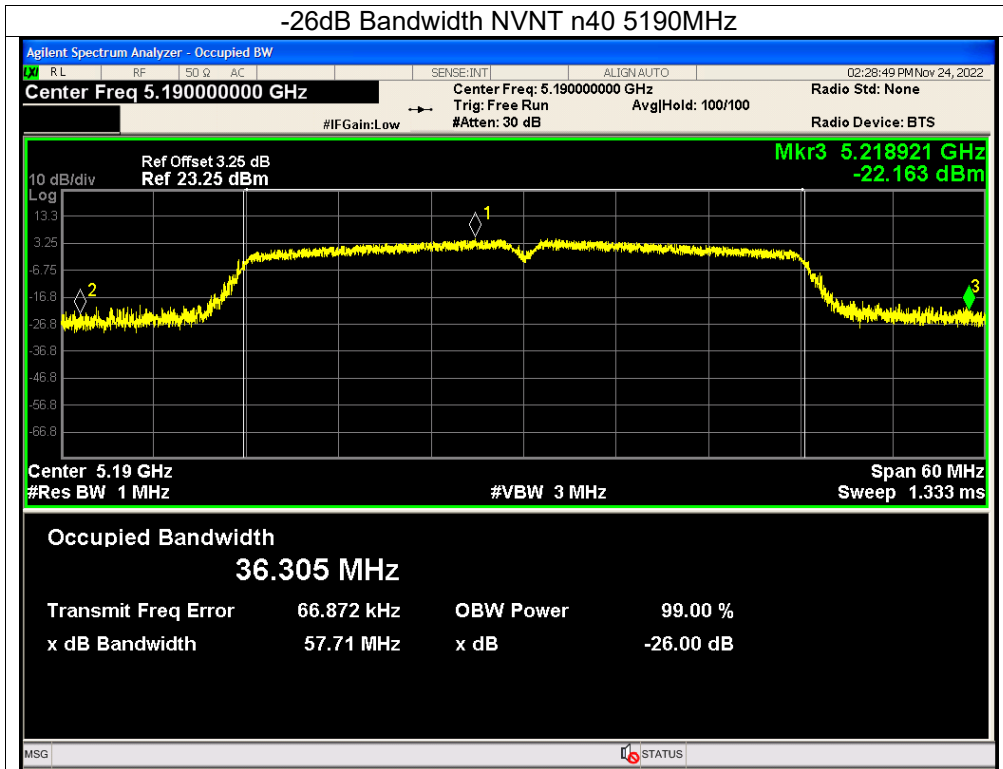
Condition	Mode	Frequency (MHz)	99% bandwidth (MHz)	-26dB bandwidth (MHz)	Result
NVNT	a	5180	16.826	29.808	Pass
NVNT	a	5200	16.833	29.972	Pass
NVNT	a	5240	16.88	29.511	Pass
NVNT	n20	5180	17.68	28.472	Pass
NVNT	n20	5200	17.728	29.016	Pass
NVNT	n20	5240	17.683	26.612	Pass
NVNT	n40	5190	36.041	57.709	Pass
NVNT	n40	5230	36.023	51.23	Pass
NVNT	ac20	5180	17.701	28.112	Pass
NVNT	ac20	5200	17.699	29.632	Pass
NVNT	ac20	5240	17.673	28.782	Pass
NVNT	ac40	5190	36.021	52.303	Pass
NVNT	ac40	5230	36.08	58.014	Pass
NVNT	ac80	5210	75.147	80.431	Pass

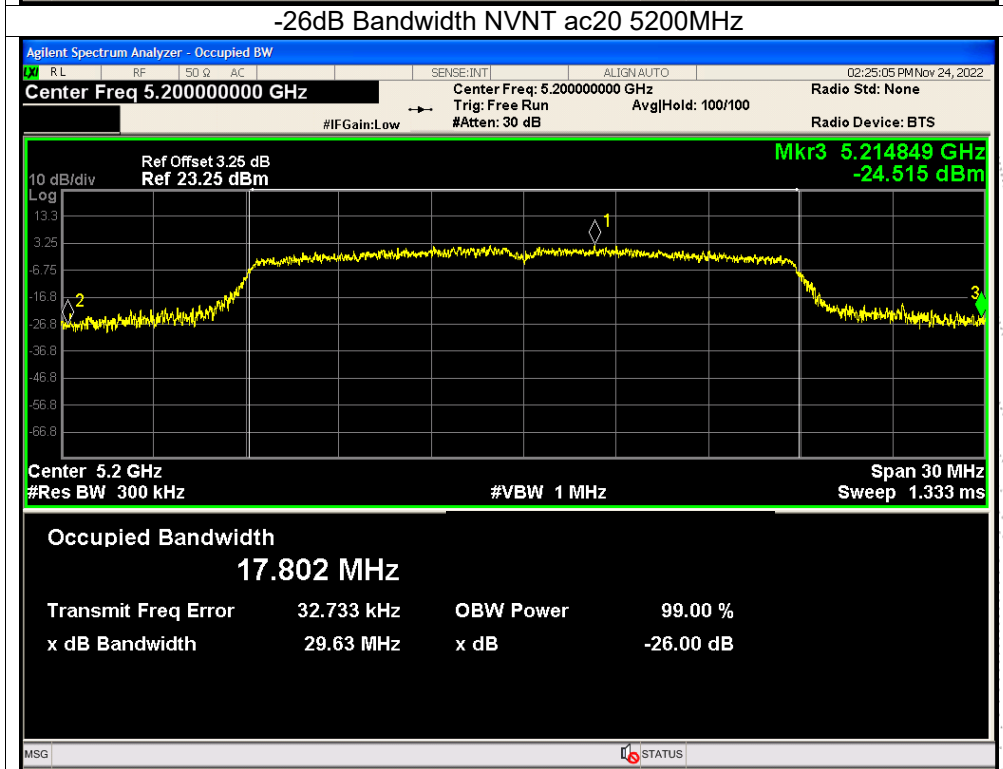
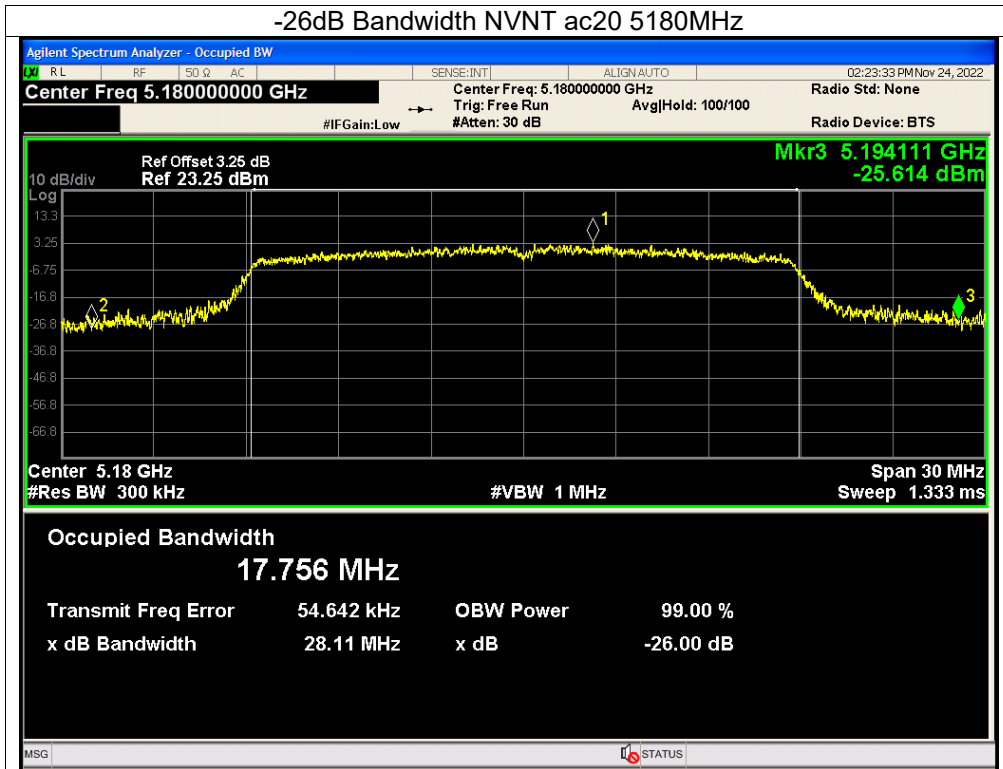


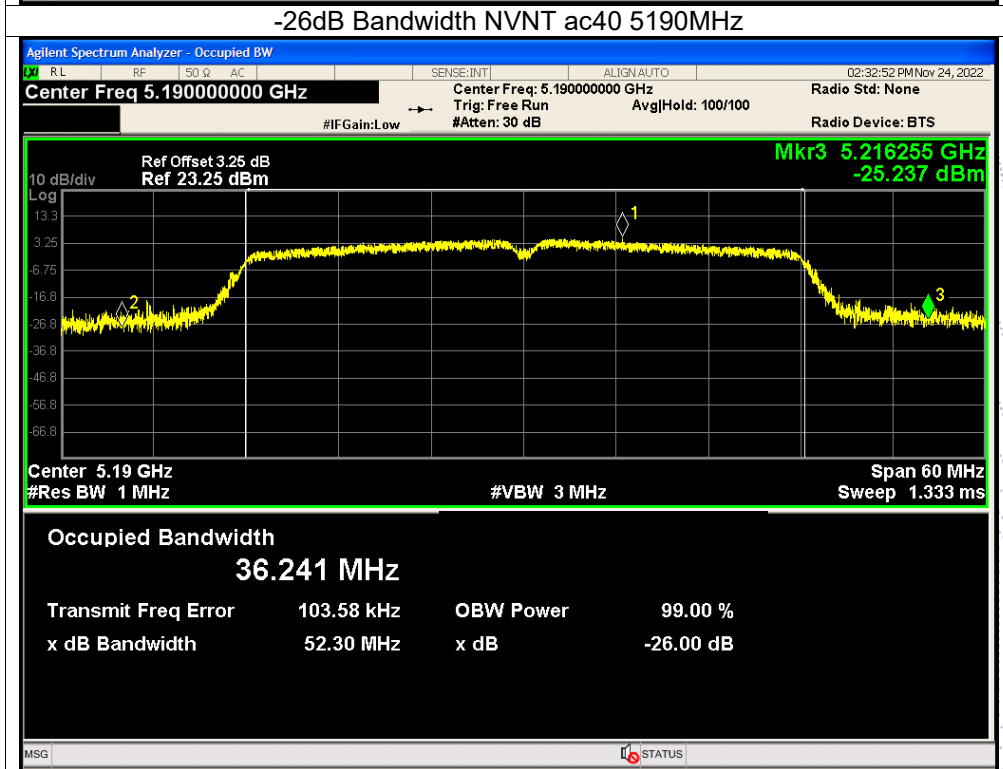
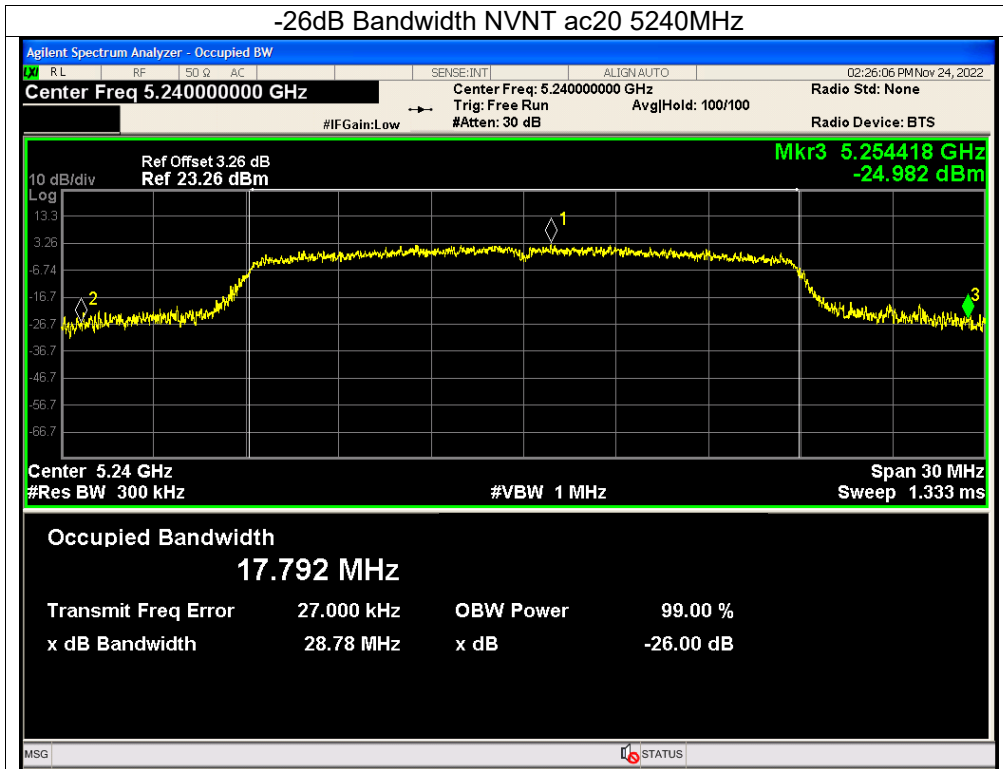


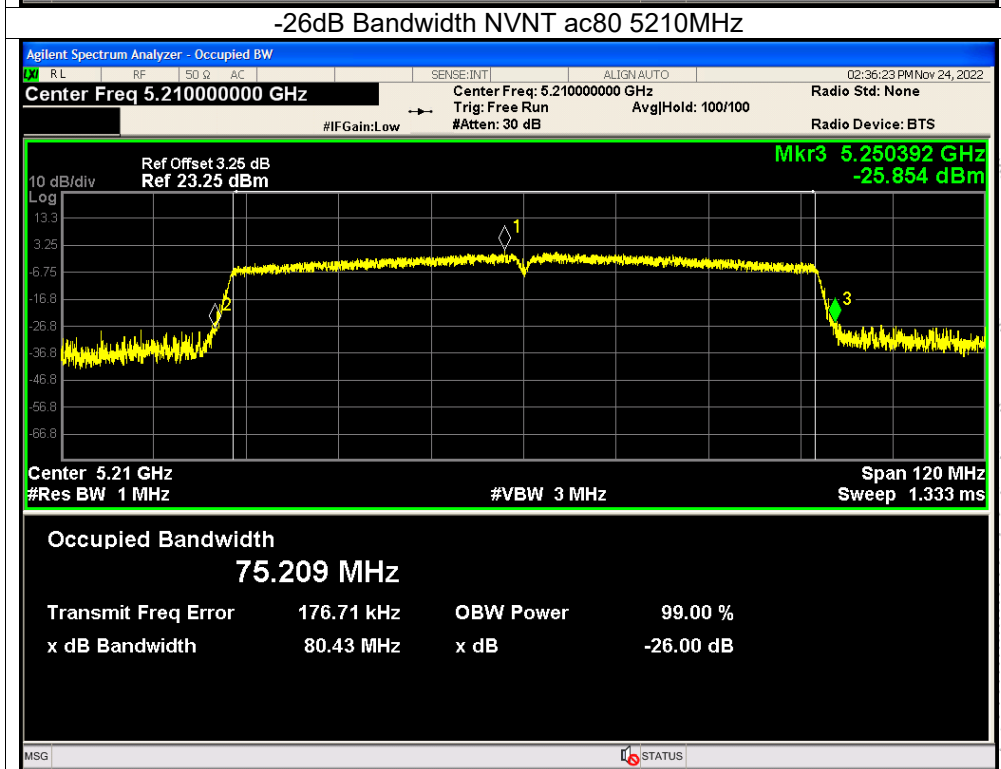
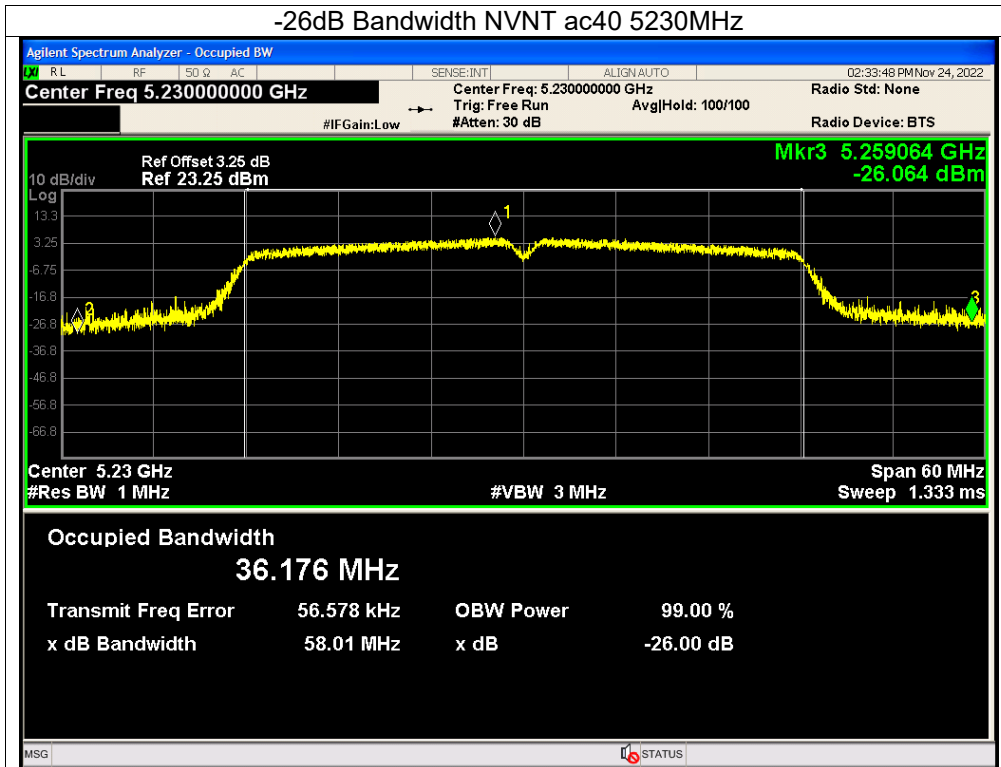


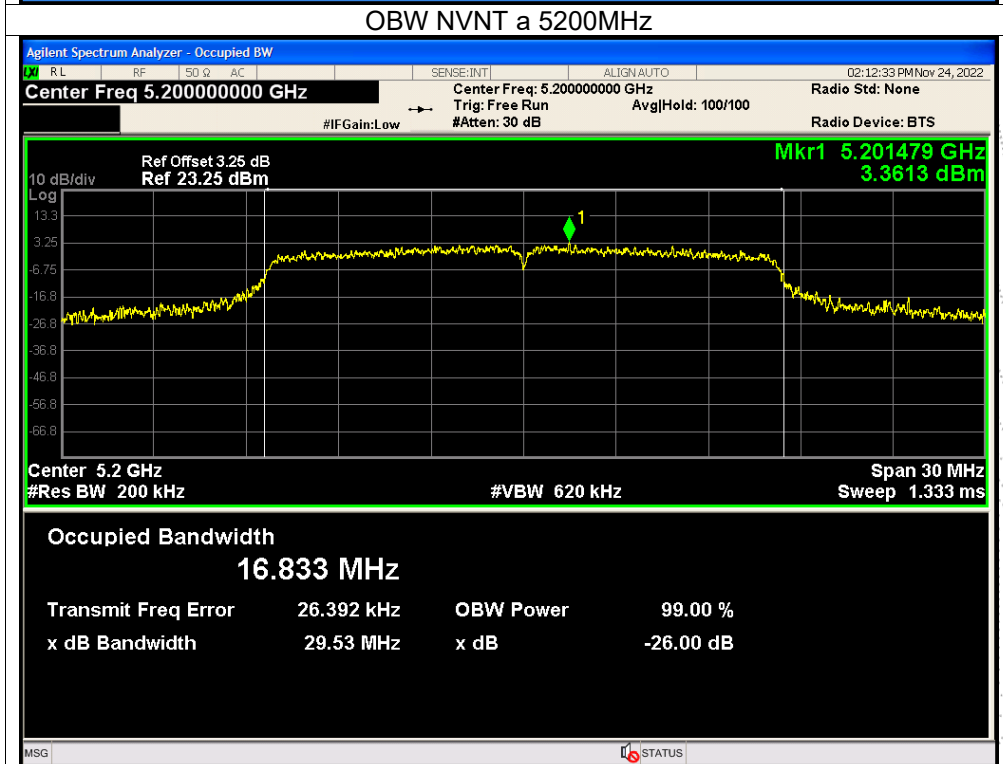
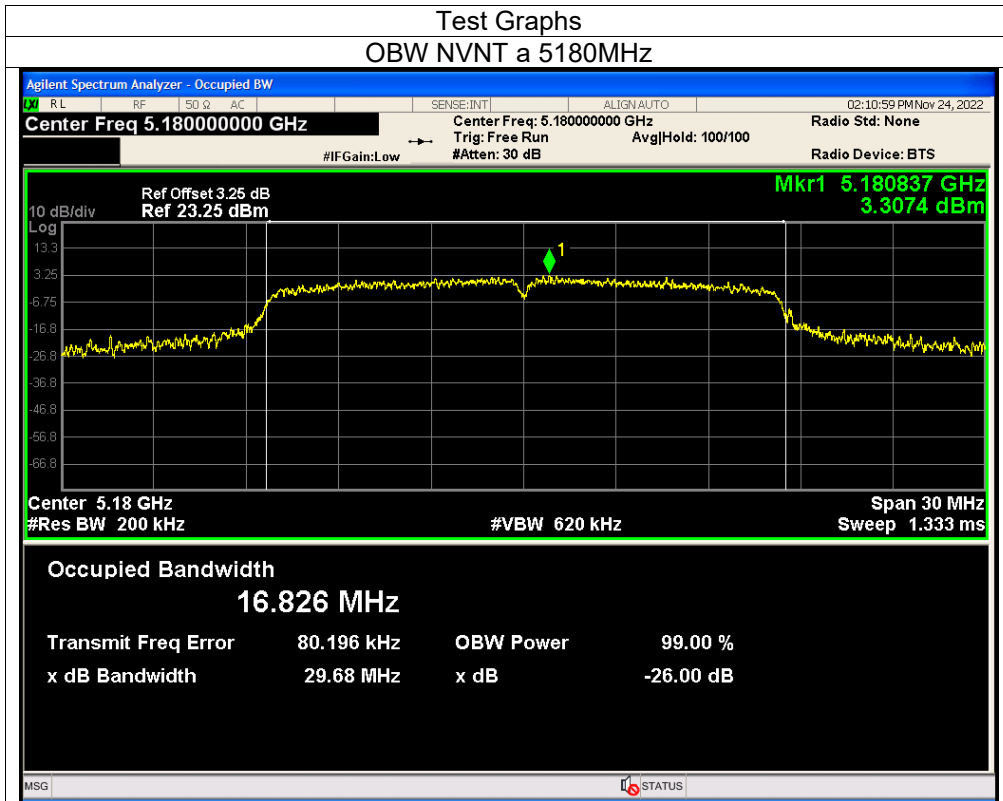


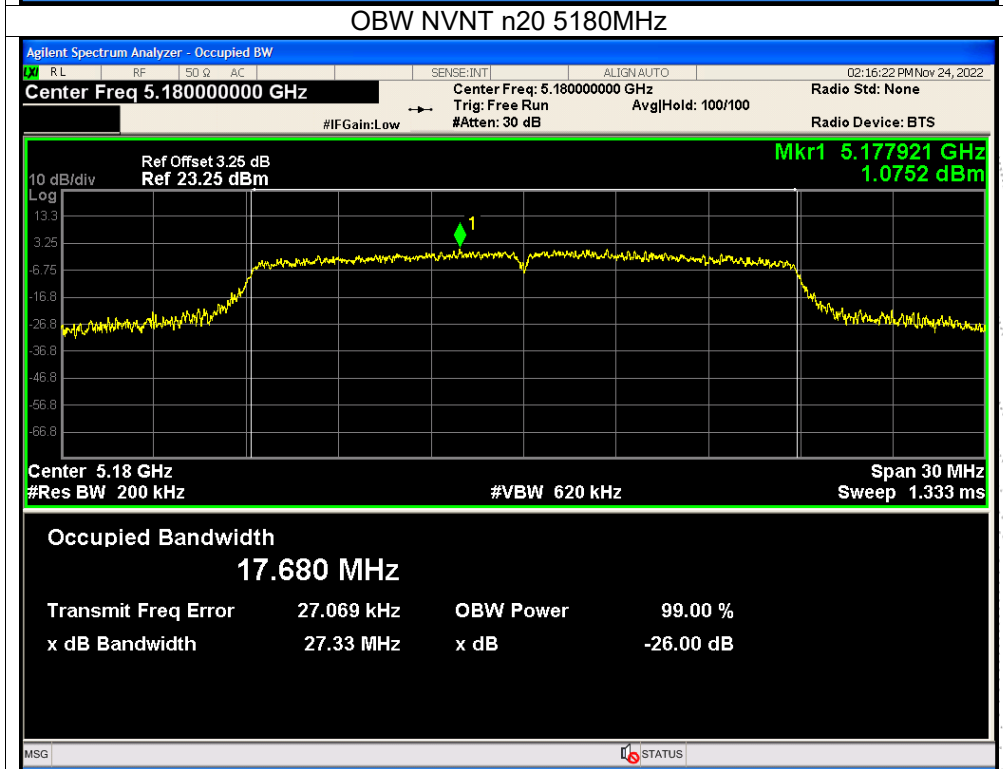
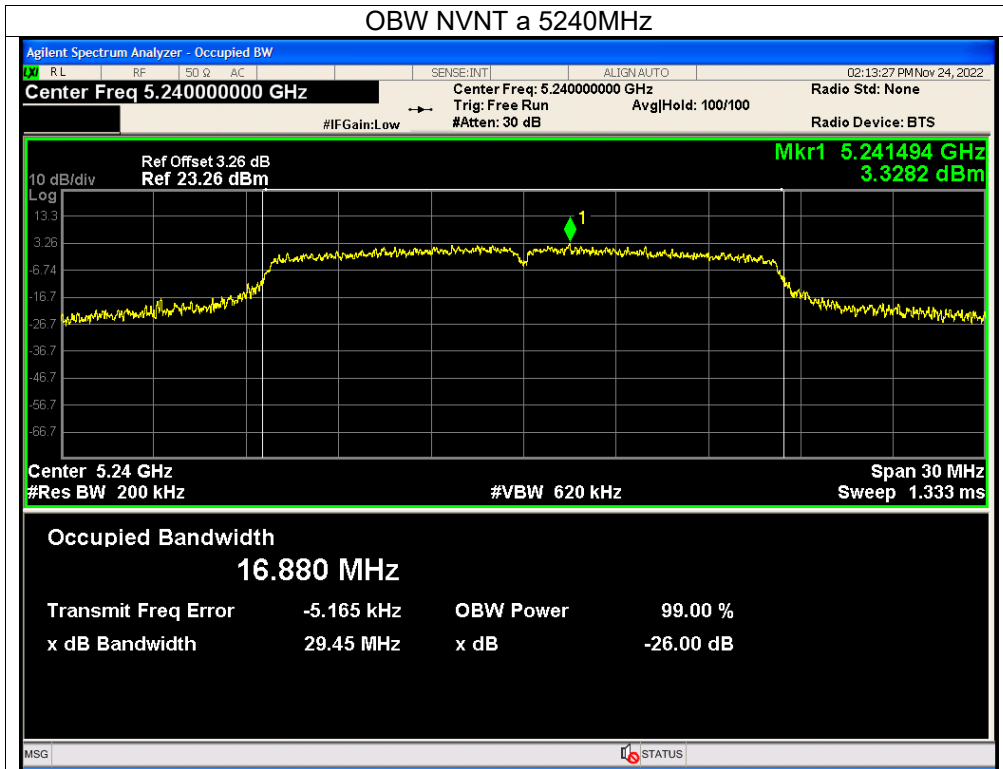


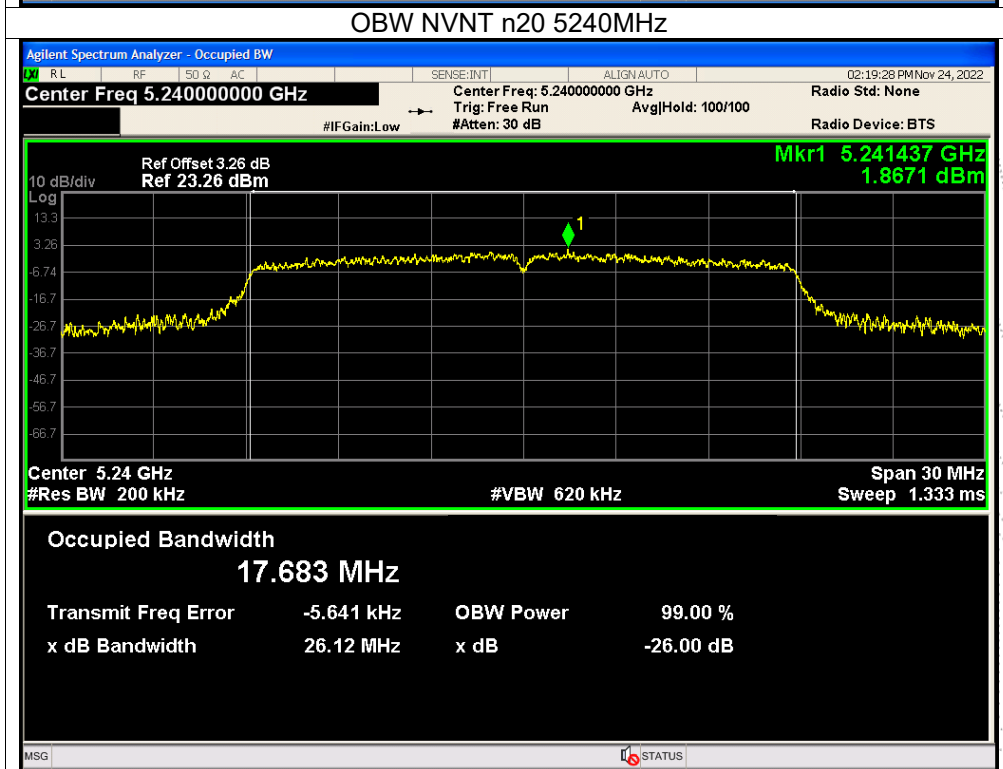
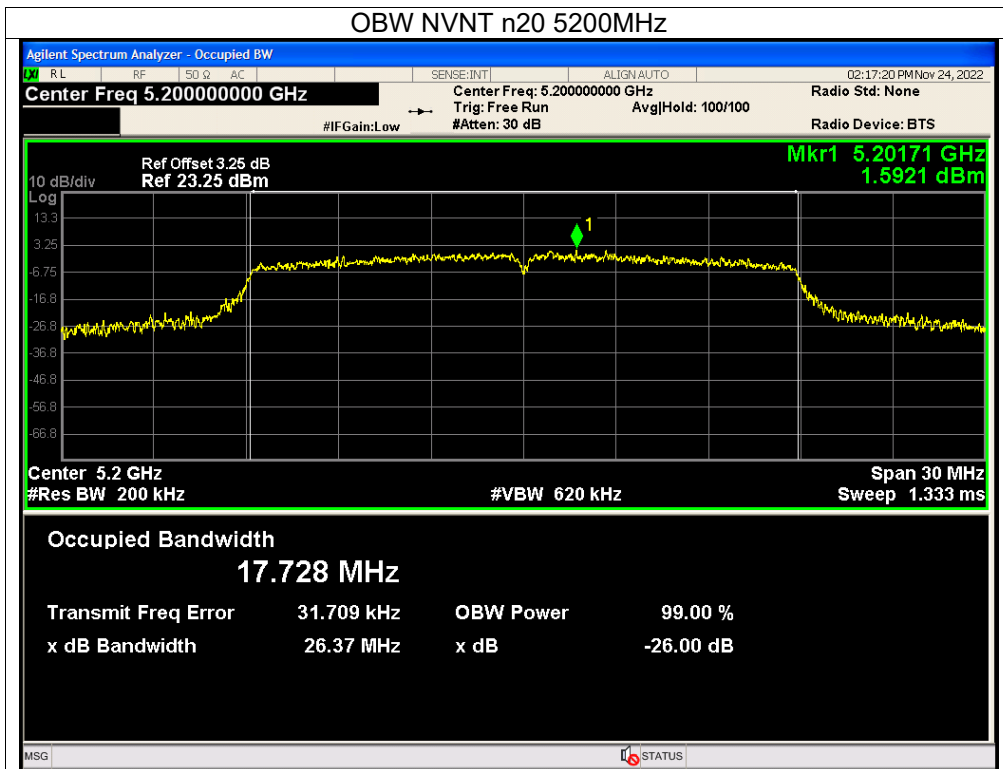


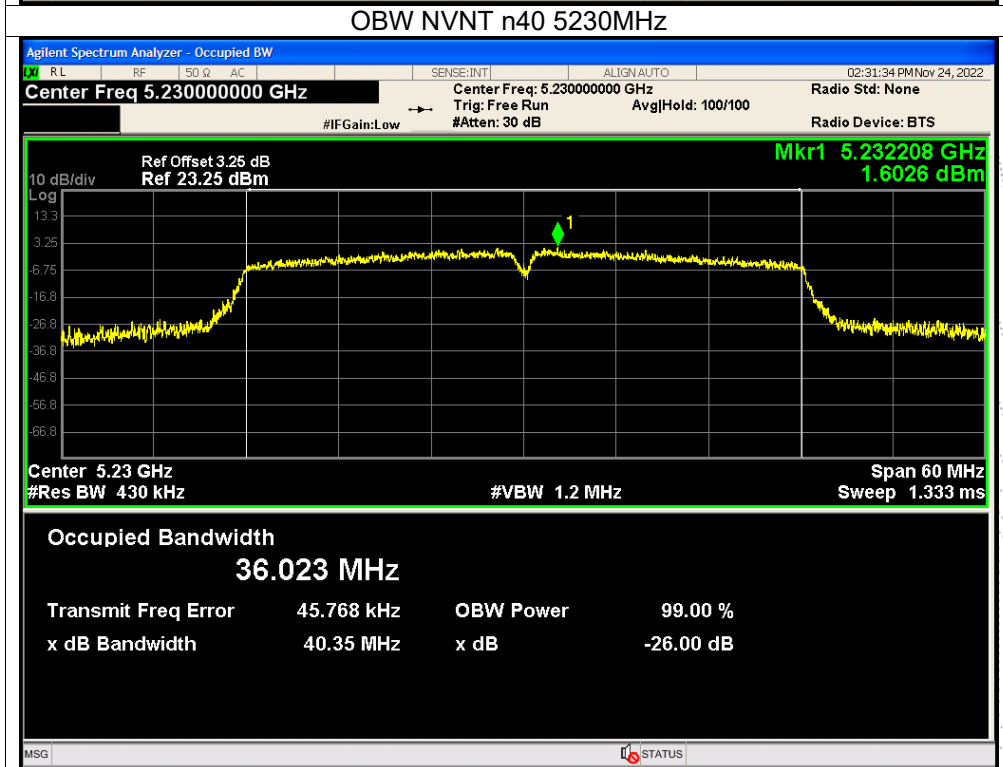
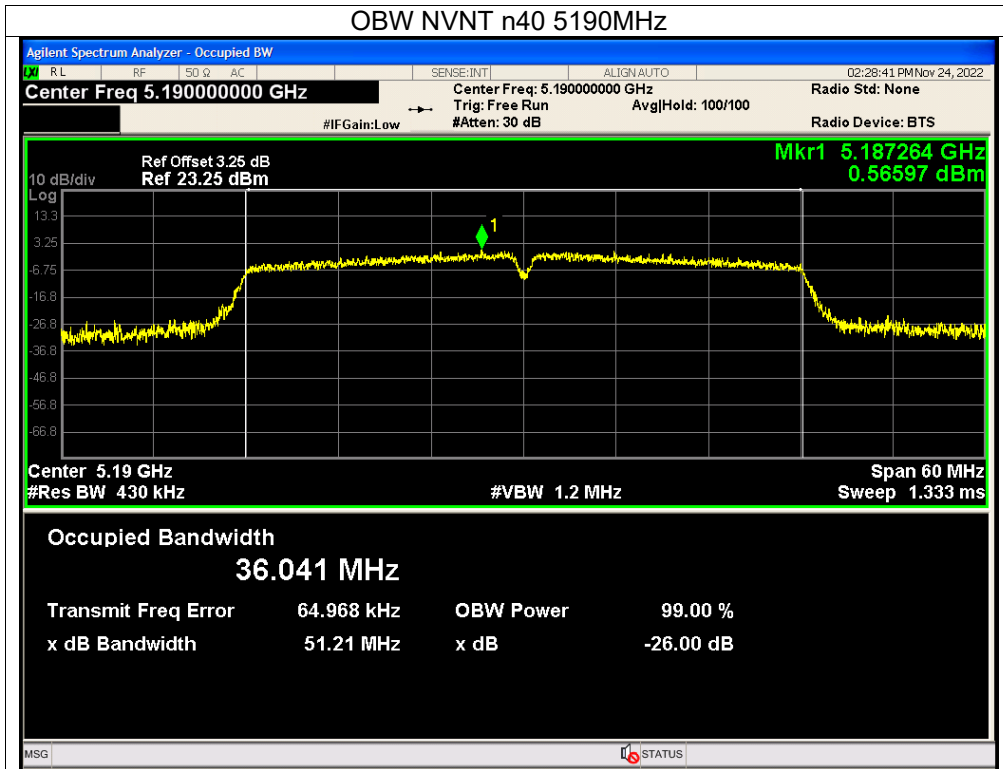




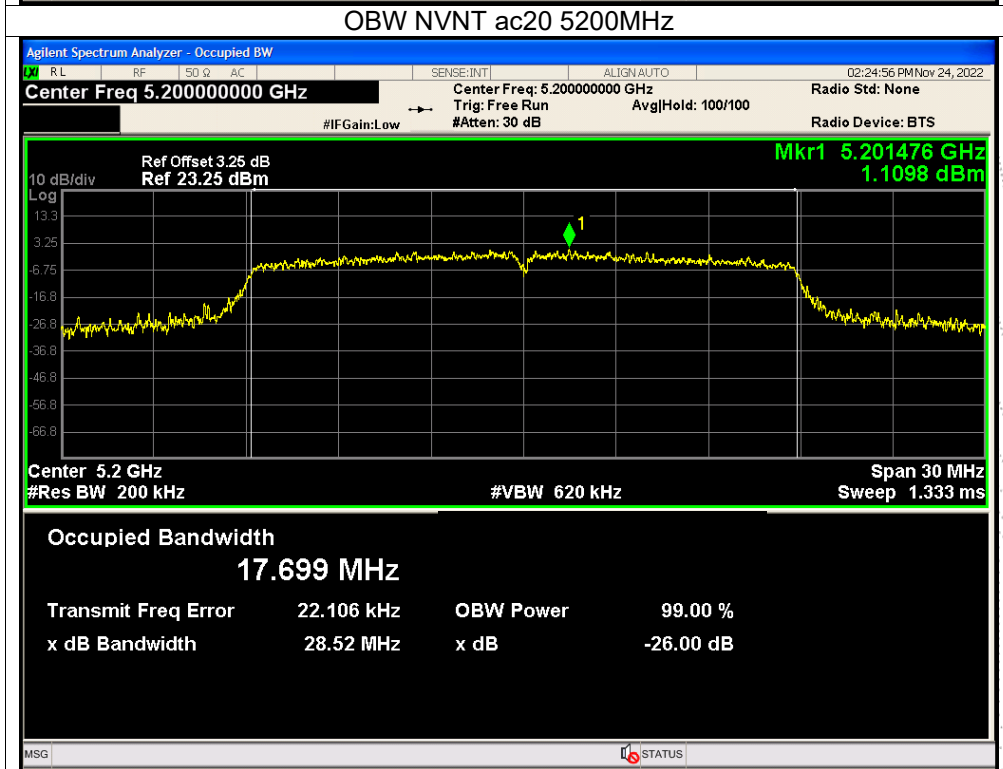
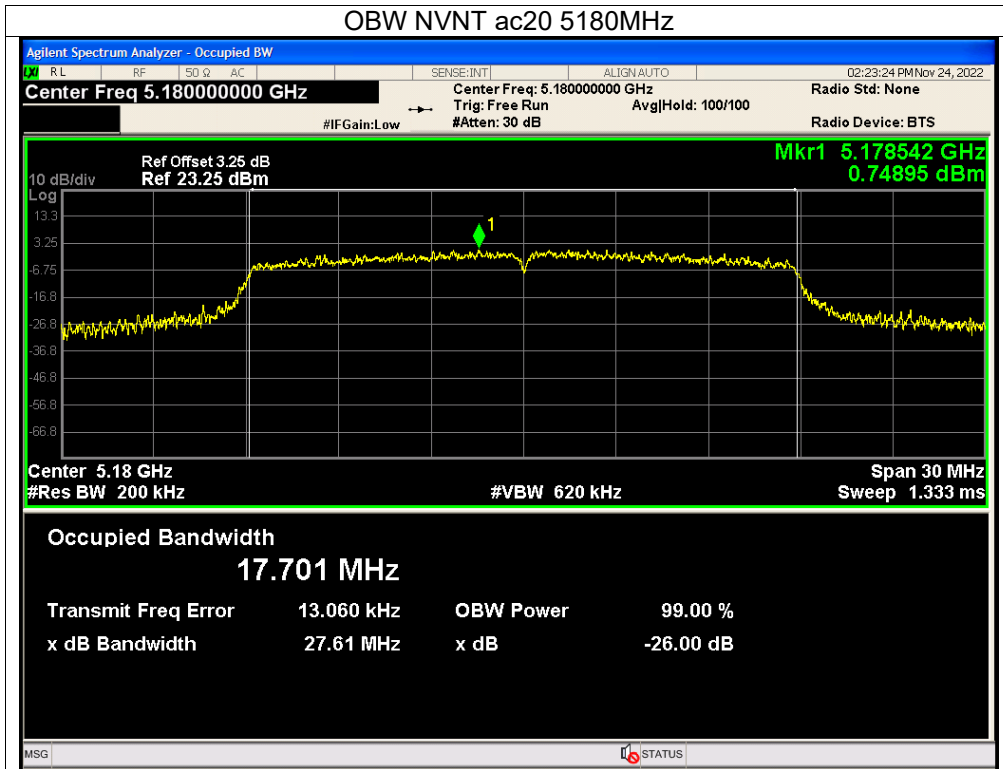


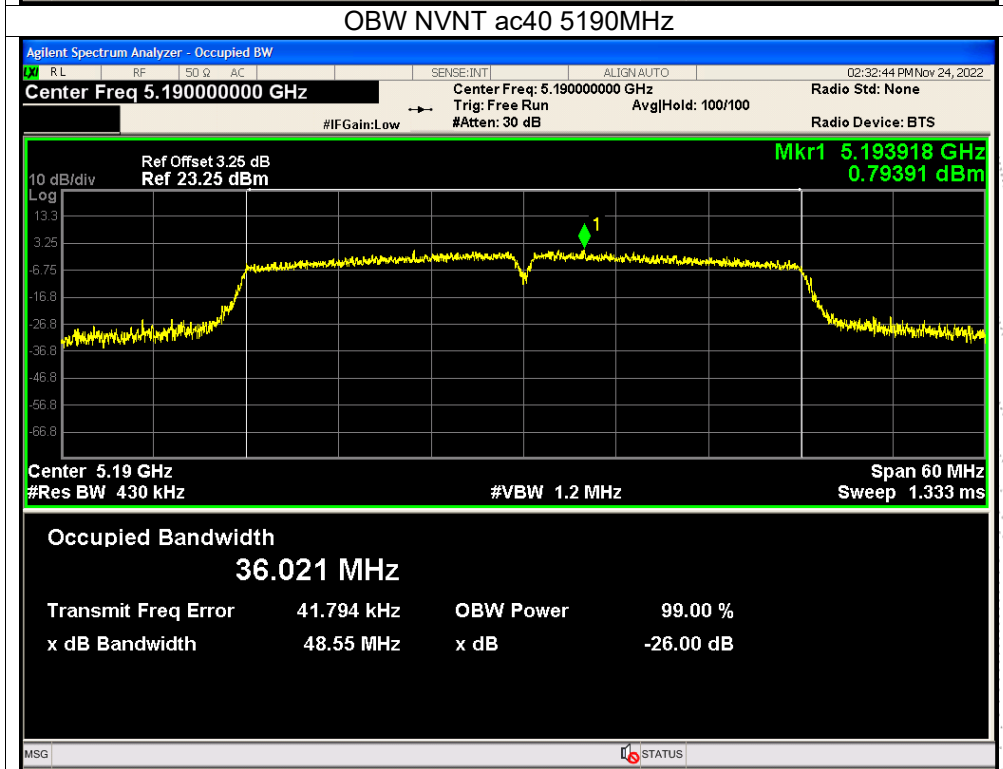
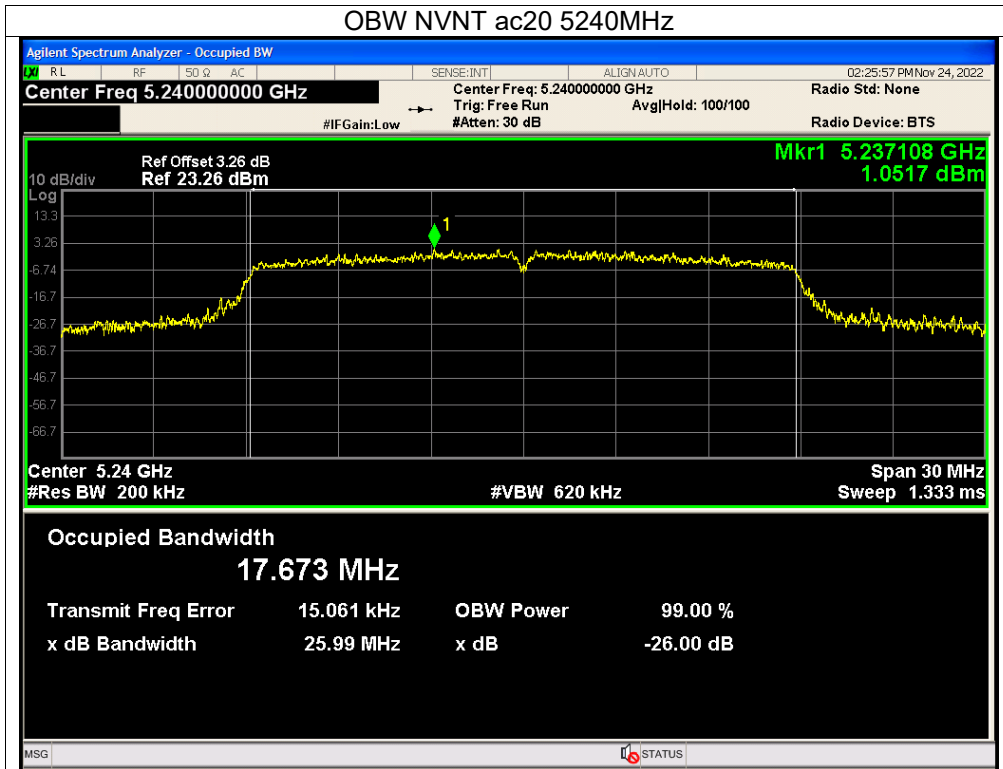


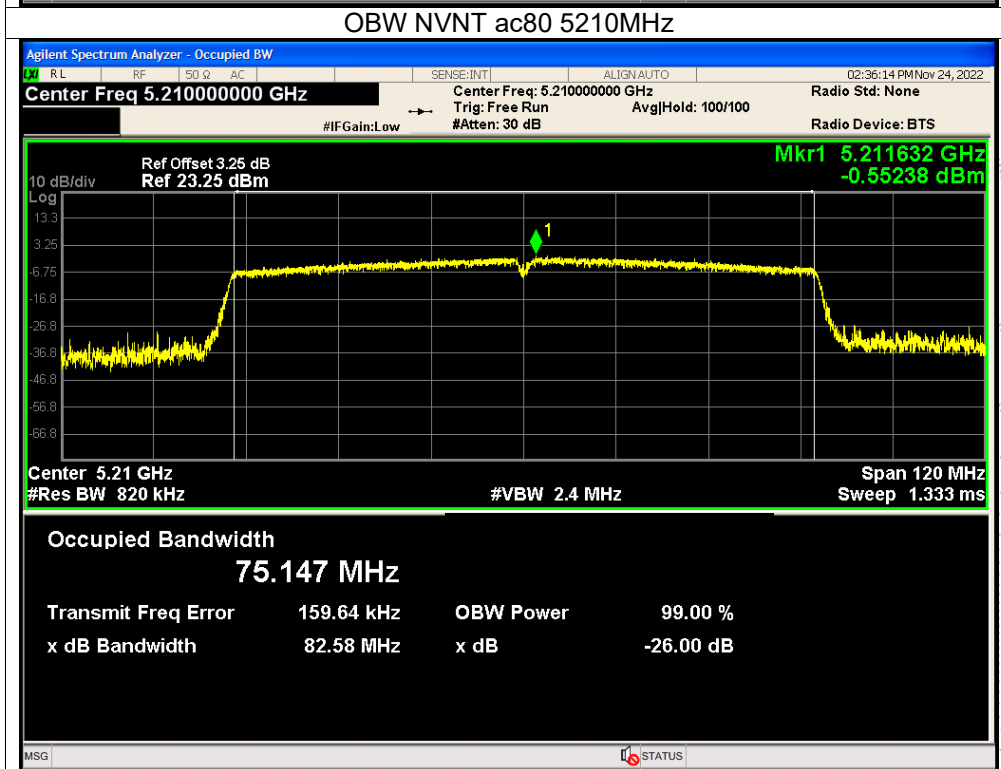
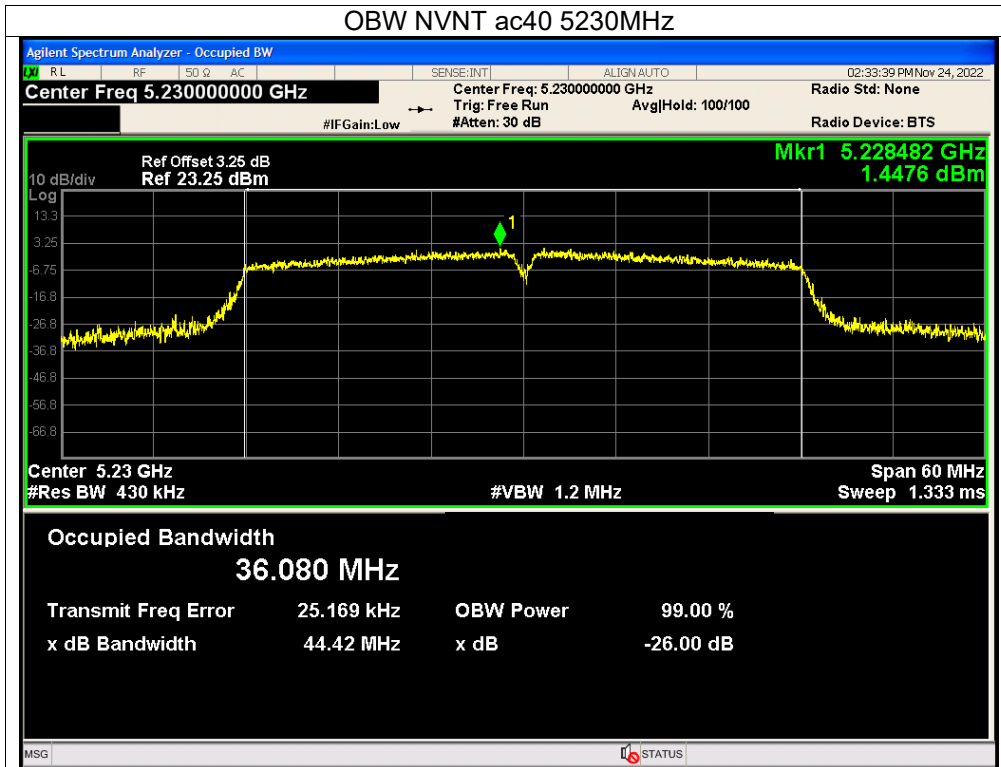












Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 3.85V
Test Mode :	TX Frequency U-NII-3(5745-5825MHz)		

Condition	Mode	Frequency (MHz)	99% bandwidth (MHz)	-6dB bandwidth (MHz)	Limit -6dB bandwidth MHz	Result
NVNT	a	5745	16.93	16.351	≥500	Pass
NVNT	a	5785	16.718	16.313	≥500	Pass
NVNT	a	5825	16.808	16.315	≥500	Pass
NVNT	n20	5745	17.676	17.601	≥500	Pass
NVNT	n20	5785	16.61	16.291	≥500	Pass
NVNT	n20	5825	17.683	17.596	≥500	Pass
NVNT	n40	5755	35.97	34.424	≥500	Pass
NVNT	n40	5795	36.054	36.303	≥500	Pass
NVNT	ac20	5745	17.707	17.567	≥500	Pass
NVNT	ac20	5785	17.675	17.555	≥500	Pass
NVNT	ac20	5825	17.672	17.563	≥500	Pass
NVNT	ac40	5755	35.985	34.779	≥500	Pass
NVNT	ac40	5795	36.022	36.032	≥500	Pass
NVNT	ac80	5775	75.353	76.341	≥500	Pass

