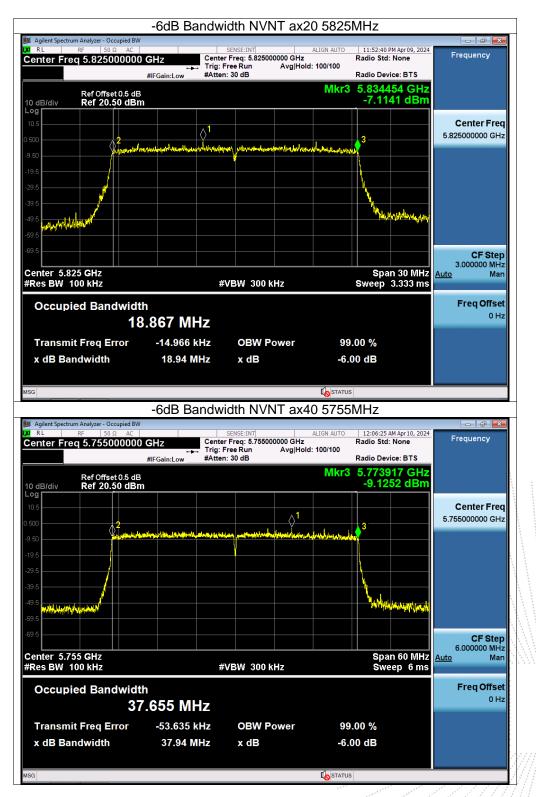


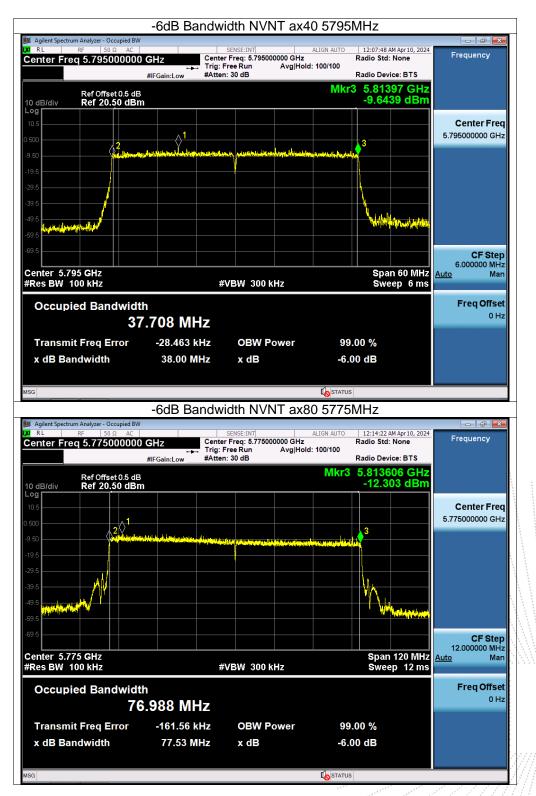


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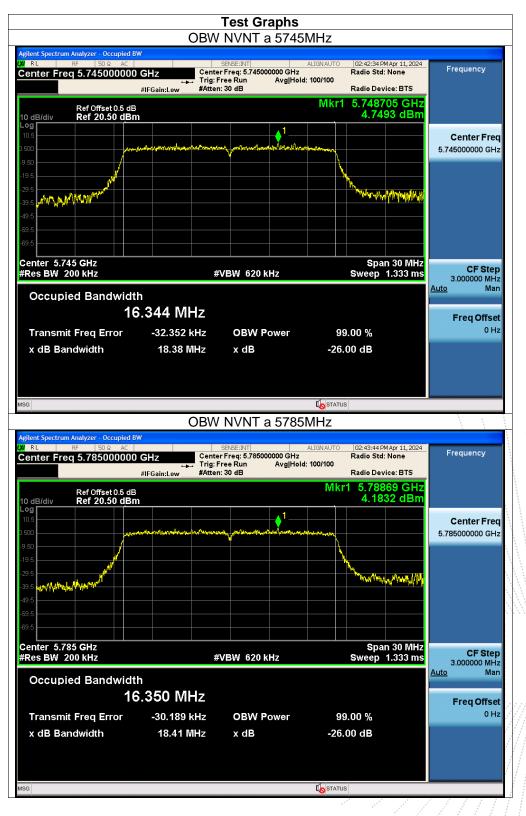




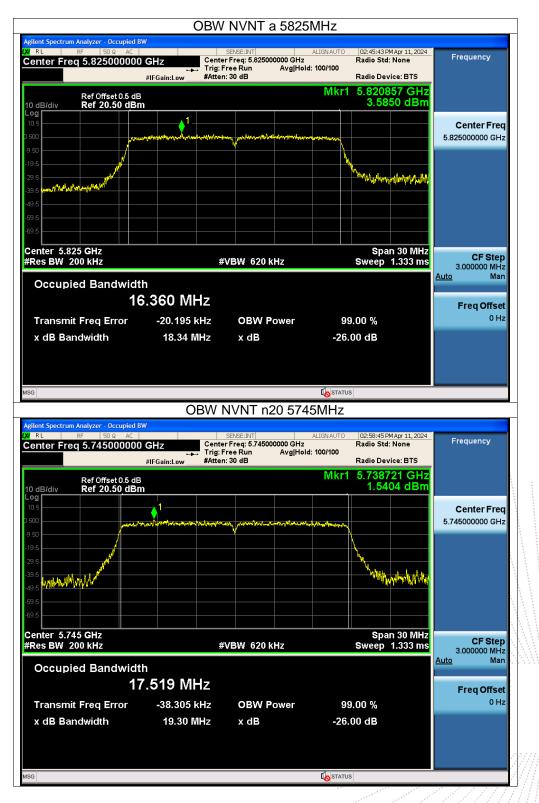




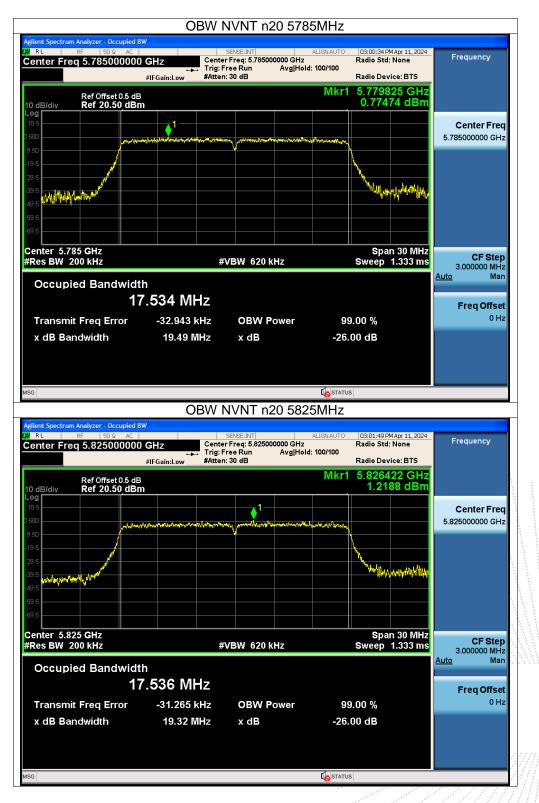
Note: A(B) Represent the value of antenna A and B. The worst data is Antenna A, only shown Antenna A Plot.



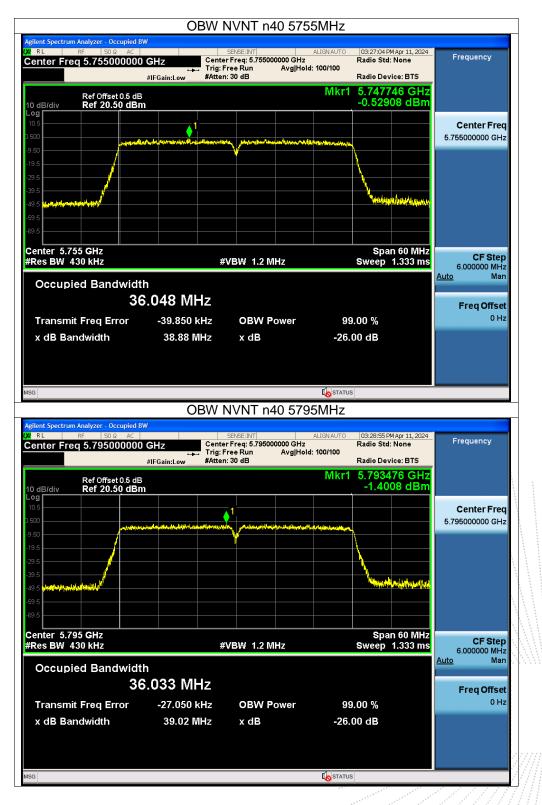




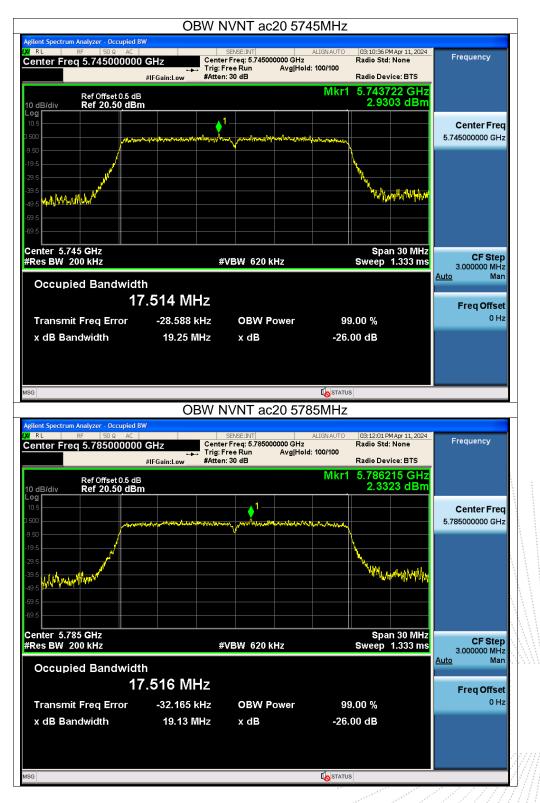




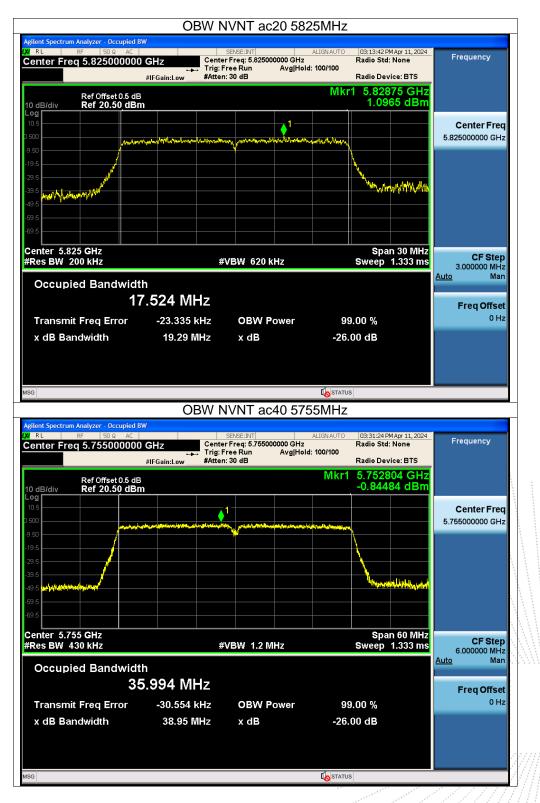




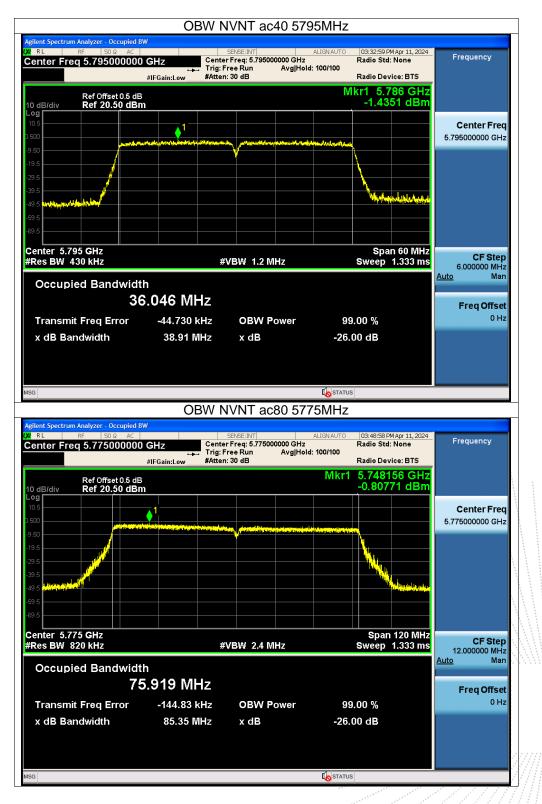








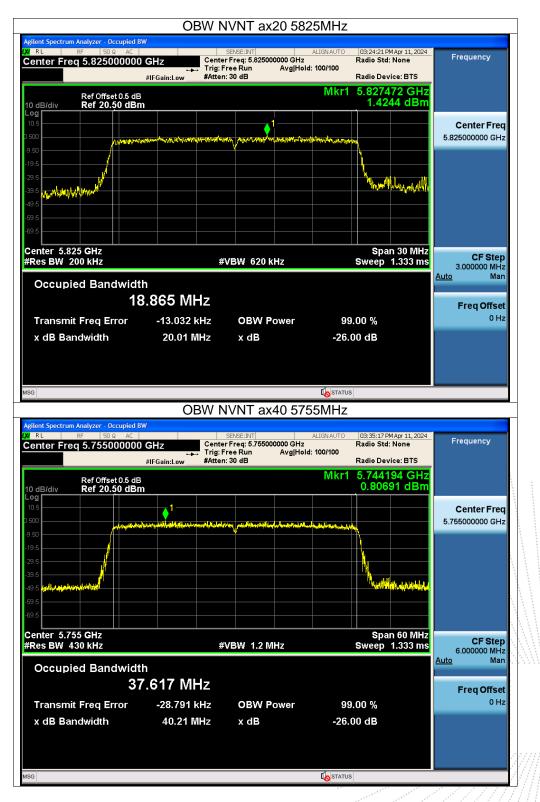




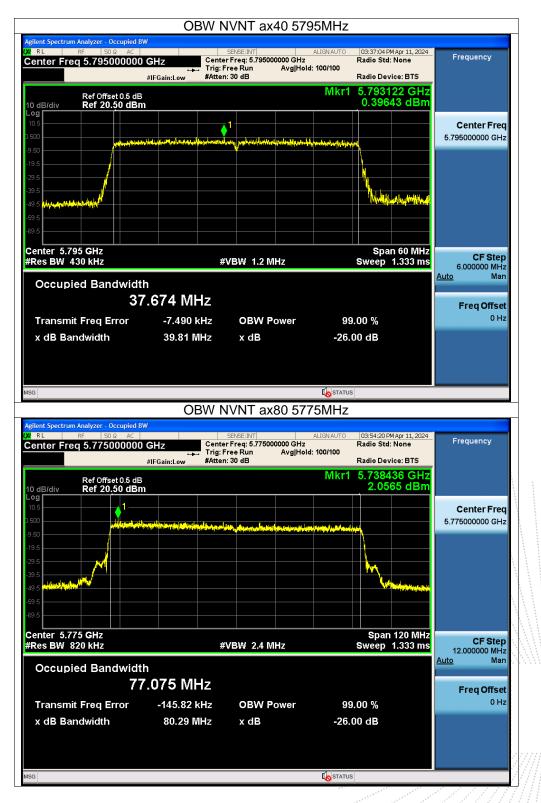


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### **10. Maximum Conducted Output Power**

### 10.1 Block Diagram Of Test Setup



#### 10.2 Limit

#### According to FCC §15.407

The maximum conduced output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	250mW
5725~5850	1W

### 10.3 Test Procedure

Maximum conducted output power may be measured using a spectrum analyzer/EMI receiver or an RF power meter.

#### 1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.1 However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).

a) The test method shall be selected as follows: (i) Method SA-1 or SA-1 Alternative (averaging with the EUT transmitting at full power throughout each sweep) shall be applied if either of the following conditions can be satisfied:

• The EUT transmits continuously (or with a duty cycle ≥ 98 percent).

• Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than  $\pm 2$  percent.



(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

(iii) Set VBW ≥ 3 MHz.

(iv) Number of points in sweep  $\geq$  2 Span / RBW. (This ensures that bin-to-bin spacing is  $\leq$  RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle  $\ge$  98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum

10.4 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.

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Edition: B.1



# 10.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.3V
Test Mode:	TX Frequency U-NII-1 (5180-5240	)MHz)	

Mode	Channel	Frequency	Condu	ucted Power	(dBm)	Limit	Result
wode	Channel	(MHz)	ANT A	ANT B	Total	(dBm)	Result
NVNT	а	5180	12.84	16.97	/	24	Pass
NVNT	а	5200	13.25	17.56	/	24	Pass
NVNT	а	5240	14.07	16.55	/	24	Pass
NVNT	n20	5180	12.81	16.39	17.97	24	Pass
NVNT	n20	5200	12.94	16.21	17.89	24	Pass
NVNT	n20	5240	13.51	15.8	17.81	24	Pass
NVNT	n40	5190	11.78	15.88	17.31	24	Pass
NVNT	n40	5230	12.47	15.43	17.21	24	Pass
NVNT	ac20	5180	12.92	16.19	17.87	24	Pass
NVNT	ac20	5200	12.83	16.63	18.14	24	Pass
NVNT	ac20	5240	13.61	15.93	17.93	24	Pass
NVNT	ac40	5190	11.66	16.18	17.49	24	Pass
NVNT	ac40	5230	12.13	15.34	17.04	24	Pass
NVNT	ac80	5210	10.8	12.59	14.80	.24	Pass
NVNT	ax20	5180	13.66	16.57	18.36	24	Pass
NVNT	ax20	5200	13.08	16.62	18.21	24	Pass
NVNT	ax20	5240	13.81	16.55	18.40	24	Pass
NVNT	ax40	5190	11.76	15.65	17.14	24	Pass
NVNT	ax40	5230	12.9	15.55	17.43	24	Pass
NVNT	ax80	5210	10.69	12.6	14.76	24	Pass

Edition: B.1



Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.3V
Test Mode:	TX Frequency U-NII-3 (5745-5825	5MHz)	

Mode	Channel	Frequency	Cond	ucted Power	(dBm)	Limit	Result
wode	Channel	(MHz)	ANT A	ANT B	Total	(dBm)	Result
NVNT	а	5745	15.56	15.97	/	30	Pass
NVNT	а	5785	16.57	15.36	/	30	Pass
NVNT	а	5825	12.45	15	/	30	Pass
NVNT	n20	5745	14.45	12.99	16.79	30	Pass
NVNT	n20	5785	12.75	12.55	15.66	30	Pass
NVNT	n20	5825	11.78	12.37	15.10	30	Pass
NVNT	n40	5755	13.45	11.42	15.56	30	Pass
NVNT	n40	5795	12.22	10.7	14.54	30	Pass
NVNT	ac20	5745	14.34	13.64	17.01	30	Pass
NVNT	ac20	5785	12.89	12.98	15.95	30	Pass
NVNT	ac20	5825	12.13	12.32	15.24	30	Pass
NVNT	ac40	5755	13.57	11.31	15.60	30	Pass
NVNT	ac40	5795	12	10.86	14.48	30	Pass
NVNT	ac80	5775	12.16	9.76	14.13	30	Pass
NVNT	ax20	5745	14.71	13.67	17.23	30	Pass
NVNT	ax20	5785	13.43	12.9	16.18	30	Pass
NVNT	ax20	5825	12.27	12.56	15.43	30	Pass
NVNT	ax40	5755	13.54	11.33	15.58	30	Pass
NVNT	ax40	5795	12.04	10.08	14.18	30	Pass
NVNT	ax80	5775	8.92	9.9	12.45	30	Pass

Page: 113 of 210



### 11. Out Of Band Emissions

### 11.1 Block Diagram Of Test Setup



### 11.2 Limit

#### According to FCC §15.407(b)

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits: (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

#### 11.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

5. Repeat above procedures until all measured frequencies were complete.

#### 11.4 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

#### 11.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.3V



Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A . Plot. Antenna A: 5180-5240MHz







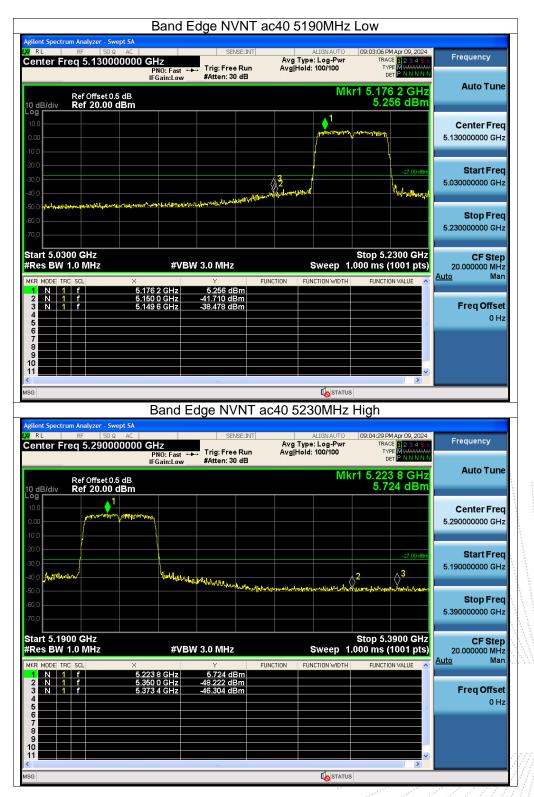




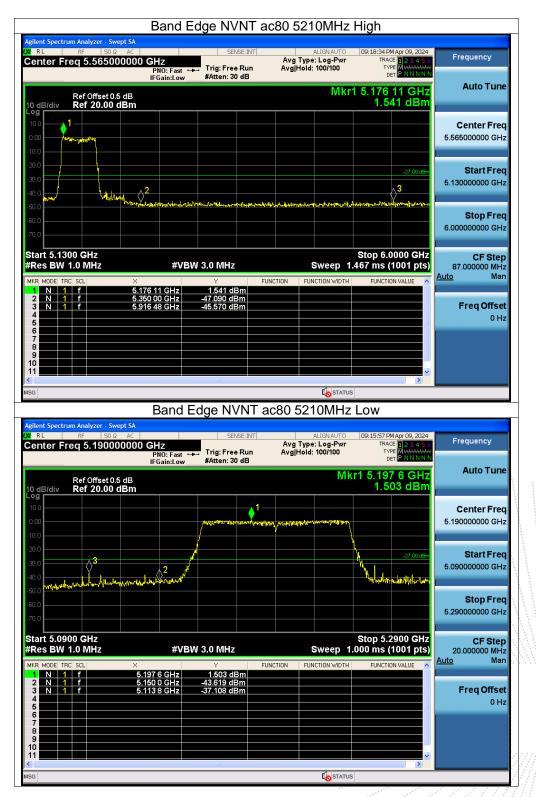












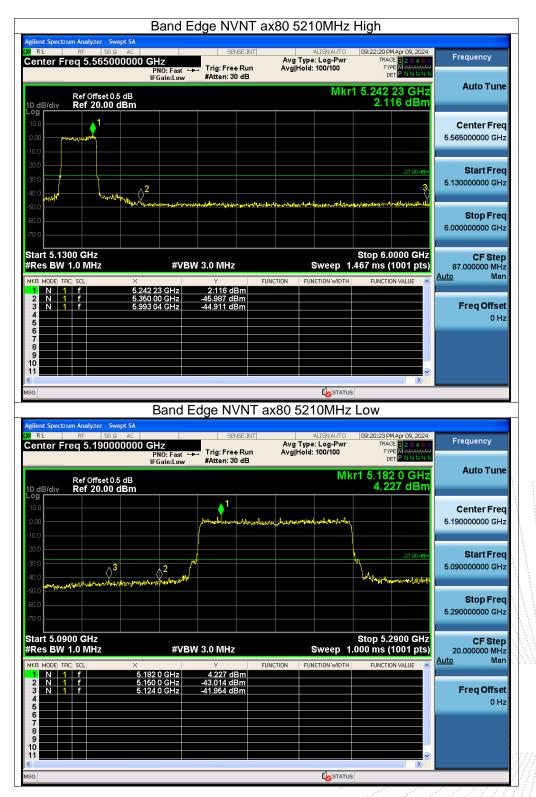














Note: A(B) Represent the value of antenna A and B. The worst data is Antenna A, only shown Antenna A. Antenna A: 5745-58250MHz

















If a c a l a a s a l a a s a l a a a a a a a a		Band E	dge NVNT a	c40 5755MHz L	_OW	
Entrer Freq 6,5850000000 CH2 Frequency       Arg Type: Log-Pwr Arg Type: Log-Pwr Frequency       Tree Freq 6,585000000 CH2 Frequency       Auto Tune         Ass       Ref Offset 0.5 dB Ref 20.00 dBm Offset 0.5 dB Offset 0.5 dB Offs			SENSE:INT	ALIGN AUTO	11:59:36 PM Apr 09, 2024	
Ref Offset0.5 dB Ref 20.00 dBm       Mkr1 5.745 2 GHz 5.342 dBm       Auto Tune         0 GROW       Freq Offset0.5 dB Ref 20.00 dBm       Center Freq 5.55500000 GHz 5.55500000 GHz       Stop Freq 5.55500000 GHz 5.75500000 GHz 5.75500000 GHz       Stop Freq 5.75500000 GHz 6.75500000 GHz 7.7550 GHz 8.00000 GHz 7.7550 GHz 8.000000 GHz 7.7550 GHz 8.00000 GHz 7.7550 GHz 8.000000 GHz 7.75500 GHz 7.7500 GHz 7.7500 GHz 7.7500 GHz 7.7500 GHz 7.	Center Freq 5.695000	PNO: Fast ↔	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6	Frequency
Go Trace Pass       Center Freq         Go Trace Pass       Center Freq         Go Trace Pass       Stor Freq </td <td>Ref Offset 0.5</td> <td>dB</td> <td></td> <td>Mkr</td> <td>1 5.745 2 GHz 6 342 dBm</td> <td>Auto Tune</td>	Ref Offset 0.5	dB		Mkr	1 5.745 2 GHz 6 342 dBm	Auto Tune
Center Freq 5,5500000 GHz 5,5500000 GHz 5,5500000 GHz 5,5500000 GHz 5,7550 GHz 7,7550 GHz 7,7500 GHz 7,7500 GH	Log Trace 1 Pass	5111				
Image: Section and sect	10.0			Manage and Manage	Allen Level of	
start Freq Orset 0 5 dB Control 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-10.0					0.000000000000
Signed and a second and a secon	-20.0					Start Freq
Trace 1 Pass       Trace 1 Pass <td< td=""><td>-30.0</td><td></td><td></td><td></td><td></td><td></td></td<>	-30.0					
Stop Freq       Stop 5/950 GHz         Res BW 1.0 MHz       #VBW 3.0 MHz         Stop 5/950 GHz       Stop 5/950 GHz         Stop 5/950 GHz       Stop 5/950 GHz         Ref Offset 0 GHz       Market: 30 GB         Mixri 5/950 GHz       #VBW 3.0 MHz         Stop 5/950 GHz       Stop 5/950 GHz         Stop Freq       5/950 00000 GHz         Market 10/950 Miz       #VBW 3.0 MHz         Stop 5/950 GHz       Stop 5/950 GHz         Stop Freq       5/9500000 GHz         Mixri 5/950 GHz       #VBW 3.0 MHz         Stop 5/950 GHz       #VBW 3.0 MHz         Stop 5/950 GHz       #VBW 3.0 MHz         Stop 5	-40.0	totu - D- on Milling - A	we we have and the whore	Ruminan	Kwanalah.	
Correction       Stop 5.7950 GHz         Res BW 1.0 MHz       #VEW 3.0 MHz       Stop 5.7950 GHz         Res BW 1.0 MHz       5749 2 GHz       6.342 GHz         Stop 5.7950 GHz       Stop 5.7950 GHz         Res BW 1.0 MHz       5749 2 GHz       6.342 GHz         Stop 5.7950 GHz       Function       Function         Stop 5.7950 GHz       Stop 5.7950 GHz       Function         Stop 5.7950 GHz       Stop 5.7950 GHz       Function         Stop 5.7950 GHz       Stop 5.7950 GHz       Freq Offset         Stop 5.7950 GHz       Stop 5.7950 GHz       Freq Offset         Stop 5.7950 GHz       Stop 5.7950 GHz       Freq Offset         Generative       Stop 5.7950 GHz       Function       Action 2012 Generative         Stop 5.7950 GHz       Stop 5.7950 GHz       Function       Action 2012 Generative         Ref Offset 0.5 GB       Stop 5.7950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz         Generative Stop 5.7950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz         Generative Stop 5.7950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz         Generative Stop 5.9950 GHz       Stop 5.9950 GHz       Stop 5.7950 GHz       Stop 5.7950 GHz         Generative Stop 5.9950 GHz <td>-60.0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-60.0					
Res EW 1.0 MHz       #VEW 3.0 MHz       Sweep 1.000 ms (1001 pts)       Auto       Auto       Man         Ref MOE TRC SCL       X       Y       FUNCTION       FUNCTION WAUKE       FUNCTION WAUKE       Function Wauke       Function Wauke       Freq Offset         2       N       1       5.728.0 GHz       -3.328.4 Bm       Function Wauke       Function Wauke       Freq Offset       O Hz         2       N       1       5.728.0 GHz       -3.328.4 Bm       Function Wauke       Function Wauke       Freq Offset         2       N       1       5.728.0 GHz       -3.388.8 dBm       Function Wauke       Function Wauke<	-70.0					5.795000000 GHz
RR MODE TRC SCLI X Y FUNCTION MOTH FUNCTION MOTH FUNCTION MALE Add Man Freq Offset Set 1 1 1 S7745 2 GHz 45324 dBm S7722 2 GHz 45324 dBm S7722 2 GHz 45324 dBm S7722 2 GHz 53234 dBm S7722 2 GHz 53234 dBm S7722 2 GHz 53234 dBm S7722 2 GHz 53234 dBm S7722 2 GHz S7722 2 GHz 53234 dBm S7722 2 GHz S7722 2 GHz S7722 CHz S7725 CHz CHz S7725 CHz S772 2 GHz S7	Start 5.5950 GHz	#\/B)/	V 3.0 MHz			
1       1       f       5.7452 GHz       43.324 dBm         3       1       f       5.725 G GHz       43.324 dBm         3       1       f       5.725 G GHz       43.324 dBm         4       6       1       5.725 G GHz       33.885 dBm         6       1       1       f       5.725 G GHz       33.885 dBm         6       1       1       f       5.725 G GHz       33.885 dBm         6       1       1       f       5.726 GHz       33.885 dBm         6       1       1       6       1						
3       N       1       1       5.722.6.GHz       -39.885.dBm	1 N 1 f	5.745 2 GHz	6.342 dBm			
Signed and a set of the set of th	3 N 1 f		-39.885 dBm			
B Band Edge NVNT ac40 5795MHz High Edgent Spectrum Analyzer Swept SA Ref 20 0 AC PHOL Fast Trig: Free Run ASS PHOL REF 20 0 AC PHOL Fast Trig: Free Run ASS PHOL REF 20 0 AC Ref 20.00 dBm Center Freq 5.85500000 GHz FiGainLow Trig: Free Run ASS PHOL REF 20.00 dBm Center Freq 5.85500000 GHz Stop Freq 5.85500000 GHz Center Freq 5.85500000 GHz Stop Freq 5.8500000 GHz Stop Freq 5.8500 GHZ Stop Freq 5.8500000 GHz Stop Freq 5.8500 GHZ Stop Freq 5.8500 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500000 GHZ Stop Freq 5.8500 GHZ Stop Freq	6				E	0112
Image: Startus         Send Edge NVNT ac40 5795MHz High         Agient Spectrum Analyzer - Swept Sa         Allow Autro 12:00:58 AM Apr 10, 2024         Freq Units and Startus         Allow Autro 12:00:58 AM Apr 10, 2024         Argint Spectrum Analyzer - Swept Sa         As a sense tint         ALLOW AUTO 12:00:58 AM Apr 10, 2024         Argint Spectrum Analyzer - Swept Sa         As a sense tint         Allow Autro 10, 2024         Freq Offset 05 dB         Mikr 1 5,800 4 GHz         A growth of the Spectrum Analyzer - Swept 1,000 dBm         Offset 05 dB         Mikr 1 5,800 4 GHz         Storp 5,9550 GHz         Storp 5,9550 GHz         Function	8					
General Control of the sector	10					
Band Edge NVNT ac40 5795MHz High         A glient Spectrum Analyzer - Swept SA       ALION AUTO       Trig: Free Run Avg Type: Log-Pwr Avg Type: Log-Pwr Auto Tune Center Freq 5.855000000 GHz 5.85500000 GHz 5.8550 GHz CF Step 20.000000 MHz Avg Type: Log-Pwr Auto Tune Center Freq 5.85500000 GHz 5.8550 GHz CF Step 20.000000 MHz Avg Type: Log-Pwr Auto Tune Center Freq 5.85500000 GHz 5.8550 GHz Trace 1 Pass Type Type: Log-Pwr Auto Tune Center Freq 5.85500000 GHz 5.8550 GHz Trace 1 Pass Type Type Type Type Type Type Type Type	11 ·				• •	
Agient Spectrum Analyzer - Swept SA       RL       RF       50 G       AC       SENSE-INT       ALIGN AUTO       12:00:58 AM Apr 10, 2024       Frequency         ASS       PNO: Fast       Trig: Free Run       Avg Type: Log-Pwr       Trace       12:00:58 AM Apr 10, 2024       Auto Tune         Center Freq       5.85500000 GHz       Avg Type: Log-Pwr       Trace       12:00:58 AM Apr 10, 2024       Auto Tune         Center Freq       5.85500000 GHz       4.977 dBm       4.977 dBm       Center Freq         0 dB/dlv       Ref Offset 0.5 dB       1       Start Freq       Start Freq         0 dB/dlv       Ref Offset 0.5 dB       Start Freq       Start Freq         0 dB/dlv       Ref Offset 0.5 dB       Start Freq       Start Freq         0 dB/dlv       Ref Offset 0.5 dB       Start Freq       Start Freq         0 dD       100       100       Start Freq       Stop 5.9550 GHz         0 dD       X       Y       Function       Function value       Stop 5.9550 GHz         0 N 1 f       5.850 0 GHz       4.977 dBm       Stop 5.9550 GHz       Auto       Mat         1 f       5.850 0 GHz       4.977 dBm       Function value       Function value       Auto         1 f       5.851 6 GHz	MSG			<u> </u>		
Ref       Stop       Action       Serverint       Altion April 2024         Center Freq 5.855000000 GHz       PND: Fast       Trig: Free Run Argitybe: Log-PWr Argitybe: Log-PWr Argitybe: Log-PWr Argitybe: Log-PWr Off Set 0.6 dB       Mkr1 5.800 4 GHz 4.977 dBm       Auto Tune         Ref Offset 0.5 dB       Mkr1 5.800 4 GHz 4.977 dBm       Center Freq 5.855000000 GHz       Start Freq 5.85500000 GHz         0000       Image: Comparison of the second of the sec			dge NVNT a	c40 5795MHz H	ligh	
ASS PNO: Fast FGaintLow Trig: Free Run AvgHold: 100/100 Tree Det AvgHold: 100/100 Tree Det AvgHold: 100/100 Tree Det Auto Tune Auto Tune Auto Tune Center Freq 5.85500000 GHz Start Freq 5.85500000 GHz Start Freq 5.7550 GHz Stop 5.9550 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) The start 5.7550 GHz Stop 5.9550 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) The start 5.7550 GHz Freq 5.8550 GHz Stop 5.9550 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts) The start 5.7550 GHz Freq 5.851 6 GHz 47.952 dBm The start 5.7550 GHz Freq 5.851 6 GHz 47.952 GHz Freq 5.851 6 GHz 47.952 GHz Freq 5.851 6 GHz 47.952 GHz 7.952 GHZ 7.	<b>LX/</b> RL RF 50 Ω	AC	SENSE:INT		12:00:58 AM Apr 10, 2024	
Number         Mkr1 5.800 4 GHz 4.977 dBm         Auto Tune           0 dB/dt/         Trace 1 Pss         1         Center Freq 5.85500000 GHz           0 dB/dt/         Trace 1 Pss         1         Center Freq 5.85500000 GHz           0 dB/dt/         Trace 1 Pss         1         Center Freq 5.85500000 GHz           0 dB/dt/         Trace 1 Pss         1         Center Freq 5.85500000 GHz           0 dB/dt/         Trace 1 Pss         1         Start Freq 5.75500000 GHz           0 dB/dt/         Trace 1 Pss         1         Start Freq 5.75500000 GHz           0 dB/dt/         Trace 1 Pss         Start Freq 5.75500000 GHz         Start Freq 5.75500000 GHz           0 dB/dt/         Trace 1 Pss         Trace 1 Pss         Stop Freq 5.95500 GHz         Stop Freq 5.95500000 GHz           1 f         5.800 4 GHz         4.977 dBm         Stop 5.9550 GHz         Auto           1 f         5.851 6 GHz         4.972 dBm         Trace 1.972 dBm         Trace 1.972 dBm           1 f         5.851 6 GHz         4.972 dBm         Freq Offset 0 Hz         Hz           1 f         5.851 6 GHz         4.972 dBm         Freq Offset 0 Hz         Hz           1 f         5.851 6 GHz         4.972 dBm         Freq Offset 0 Hz         Hz <td></td> <td>PNO: Fast ↔</td> <td></td> <td>Avg Type: Log-Pwr Avg Hold: 100/100</td> <td></td> <td>Trequency</td>		PNO: Fast ↔		Avg Type: Log-Pwr Avg Hold: 100/100		Trequency
Net Objectors do       4.977 dBm         0 dB/du/       Ref 20.00 dBm         100       Trace 1 Pass         100       Image: Comparison of the second			#Atten: 30 dB	Mkr		Auto Tune
1000       11ace 1 Pass       1	10 dB/div Ref 20.00 dl					
0000       00000       000000       000000       000000       000000       000000       000000	10.0 Trace 1 Pass	<b>▲</b> 1				Center Freg
200       3000       300	0.00	where the second				
300       3000       300	-10.0					
40.0       Man       40.0       40.0       40.0 <td>-20.0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-20.0					
200       3000       300	40.0	hotelwha				5.755000000 GHz
200       300       300       5.95500000 GHz         start 5.7550 GHz       Stop 5.9550 GHz       Stop 5.9550 GHz         Res BW 1.0 MHz       #VBW 3.0 MHz       Sweep 1.000 ms (1001 pts)         Image: the start for the s	-50.0		" Welling work of the second states	งานสำนาจแปลสาวารประวัตรามสาวารสาว	utertetration and and a state of the second	Stop From
Stop 5.9550 GHz       Stop 5.9550 GHz         Res BW 1.0 MHz       #VBW 3.0 MHz       Sweep 1.000 ms (1001 pts)         N       1       f       5.800 4 GHz       4.977 dBm         2       N       1       f       5.850 0 GHz       4.977 dBm         3       N       1       f       5.850 0 GHz       -48.609 dBm         3       N       1       f       5.851 6 GHz       -47.952 dBm       Freq Offset         6       -       -       -       -       -       -       -         7       -       -       -       -       -       -       -       -         8       -       -       -       -       -       -       -       -       -       -         10       - <t< td=""><td>-60.0</td><td></td><td></td><td></td><td></td><td></td></t<>	-60.0					
Res BW 1.0 MHz       #VBW 3.0 MHz       Sweep 1.000 ms (1001 pts)         1       N       1       f       5.800 4 GHz       4.977 dBm         2       N       1       f       5.800 4 GHz       4.977 dBm         2       N       1       f       5.800 0 GHz       48.609 dBm         3       N       1       f       5.851 6 GHz       -47.952 dBm         4       5       -       -       -       -       -         6       -       -       -       -       -       -       -         9       -       -       -       -       -       -       -       -       -       -       -       0       Hz         1       - <td>-70.0</td> <td></td> <td></td> <td></td> <td></td> <td></td>	-70.0					
MRR     MODE     TRC     X     Y     Function     Function Width     Function Value       1     N     1     f     5.800.4 GHz     4.977 dBm     Function Width     Function Value       2     N     1     f     5.850.0 GHz     4.977 dBm       3     N     1     f     5.850.0 GHz     -43.609 dBm       3     N     1     f     5.851.6 GHz     -47.952 dBm       6     1     1     1     1     1       7     1     1     1     1     1       8     1     1     1     1     1       9     1     1     1     1     1	Start 5.7550 GHz #Res BW 1.0 MHz	#VBV	V 3.0 MHz			20.000000 MHz
3     N     1     f     5.851 6 GHz     -47.952 dBm     0 Hz       5     -     -     -     -     0 Hz       6     -     -     -     -       7     -     -     -     -       9     -     -     -     -       10     -     -     -     -       11     -     -     -     -	MKR MODE TRC SCL			NCTION FUNCTION WIDTH	FUNCTION VALUE	ivian
4	2 N 1 f	5.850 0 GHz 5.851 6 GHz	-48.609 dBm -47.952 dBm			Freq Offset
	4 5				=	
	6 7					
	9					
	10				•	
LINGTATUS	MSG		III		•	





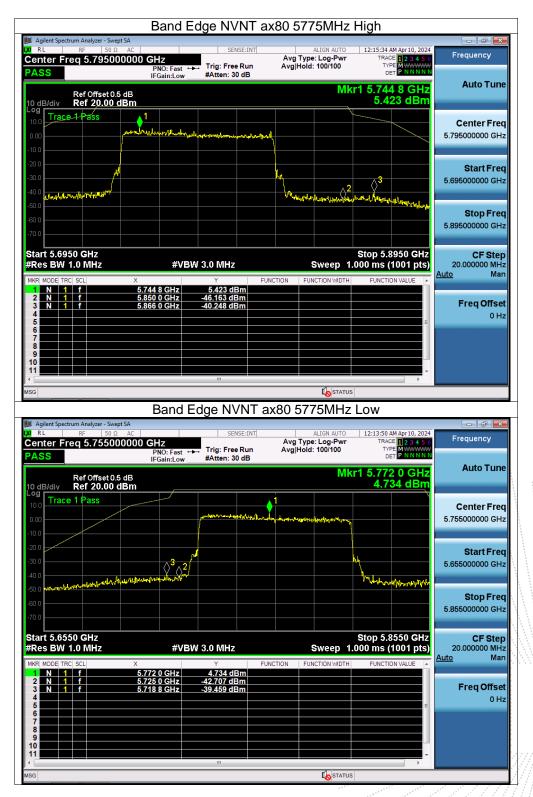






	Band I	Edge NVNT a	x40 5755MHz L	_OW	
Agilent Spectrum Analyzer - Swe	ept SA	SENSE:INT	ALIGN AUTO	12:06:41 AM Apr 10, 2024	- 6 <b>- X</b>
Center Freq 5.6950		→ Trig: Free Run #Atten: 30 dB	Avg Type: Log-Pwr Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE MWWWWW DET P NNNNN	Frequency
Ref Offset 0 10 dB/div Ref 20.00	.5 dB		Mkr1	5.758 0 GHz 8.333 dBm	Auto Tune
10.0 Trace 1 Pass				1	Center Freq 5.69500000 GHz
-10.0					Start Freq
-30.0		Lan Martukhan Manalim Casta	32 wurndruity Without	hule where we	5.595000000 GHz
-50.0					<b>Stop Freq</b> 5.795000000 GHz
Start 5.5950 GHz #Res BW 1.0 MHz	#VB	W 3.0 MHz		Stop 5.7950 GHz 00 ms (1001 pts)	CF Step 20.000000 MHz
MKR MODE TRC SCL	X		INCTION FUNCTION WIDTH	FUNCTION VALUE	<u>Auto</u> Man
1         N         1         f           2         N         1         f           3         N         1         f           4	5.758 0 GHz 5.725 0 GHz 5.718 6 GHz	8.333 dBm -43.593 dBm -41.042 dBm			<b>Freq Offset</b> 0 Hz
6 7 8 9					
10				-	
MSG		m		ł	
	Devil			P - 1	
Dia Agilent Spectrum Analyzer - Swe		age invinit a	x40 5795MHz H	lign	- F ×
<b>LXI</b> RL RF 50 S	2 AC	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	12:08:03 AM Apr 10, 2024	Frequency
Center Freq 5.8550 PASS	PNO: Fast + IFGain:Low	➡ Trig: Free Run #Atten: 30 dB	Avg Hold: 100/100	TRACE 1 2 3 4 5 6 TYPE M WWWW DET P N N N N N	
	II Gamicow				
Ref Offset 0 10 dB/div Ref 20.00			Mkr	5.784 8 GHz 7.111 dBm	Auto Tune
10 dB/div Ref 20.00 Log Trace 1 Pass 1	dBm		Mkr	I 5.784 8 GHz 7.111 dBm	Center Freq
10 dB/div Ref 20.00 Log Trace 1 Pass 1	dBm		Mkr	1 5.784 8 GHz 7.111 dBm	
10 dB/div Ref 20.00 10.0 Trace 1 Pass 1 0.00	dBm		Mkr	5.784 8 GHz 7.111 dBm	Center Freq
10 all diversion of the second			Mkr	1 5.784 8 GHz 7.111 dBm	Center Freq 5.85500000 GHz Start Freq
10 dB/div Ref 20.00 Log Trace 1 Pass 1 100 100 -100 -200 -300 -400				5.784 8 GHz 7.111 dBm	Center Freq 5.85500000 GHz Start Freq
10 all div Ref 20.00 Log Trace 1 Pass 1 100 100 100 100 100 100 100 1		ки <mark>льниција</mark> жила и и и и и и и и и и и и и и и и и и		5.784 8 GHz 7.111 dBm	Center Freq 5.85500000 GHz Start Freq 5.75500000 GHz 5.95500000 GHz CF Step 20.00000 MHz
10 all div Ref 20.00 Log Trace 1 Pass 1 100 100 100 100 100 100 100 1	dBm	۲ ۲		7.111 dBm	Center Freq 5.85500000 GHz Start Freq 5.755000000 GHz 5.955000000 GHz CF Step
10 a B/div Ref 20.00 Log Trace 1 Pass 1 100 100 100 100 100 100 100 1	dBm	W 3.0 MHz	**************************************	7.111 dBm	Center Freq 5.85500000 GHz Start Freq 5.75500000 GHz 5.95500000 GHz CF Step 20.00000 MHz
10 dB/div Ref 20.00 - og Trace 1 Pass 1 - og - og	dBm 4	Y         FU           7.111 dBm         FU           √         FU           7.111 dBm         46.641 dBm	**************************************	7.111 dBm	Center Freq           5.855000000 GHz           Start Freq           5.755000000 GHz           Stop Freq           5.955000000 GHz           CF Step           20.000000 MHz           Auto           Freq Offset
10 alb/div Ref 20,00 Cog Trace 1 Pass 1 100 100 100 100 100 100 100 1	dBm 4	Y         FU           7.111 dBm         FU           √         FU           7.111 dBm         46.641 dBm	**************************************	7.111 dBm	Center Freq           5.855000000 GHz           Start Freq           5.755000000 GHz           Stop Freq           5.955000000 GHz           CF Step           20.00000 MHz           Auto           Freq Offset







### 12. Spurious RF Conducted Emissions

#### 12.1 Block Diagram Of Test Setup



#### 12.2 Limit

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits: (1)For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2)For transmitters operating in the 5.725-5.85 GHz band(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

#### 12.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.

Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.

3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

5. Repeat above procedures until all measured frequencies were complete.

### 12.4 Test Result

Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandege measurement data.

About:26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A. Plot. Antenna A: 5180-5240MHz





