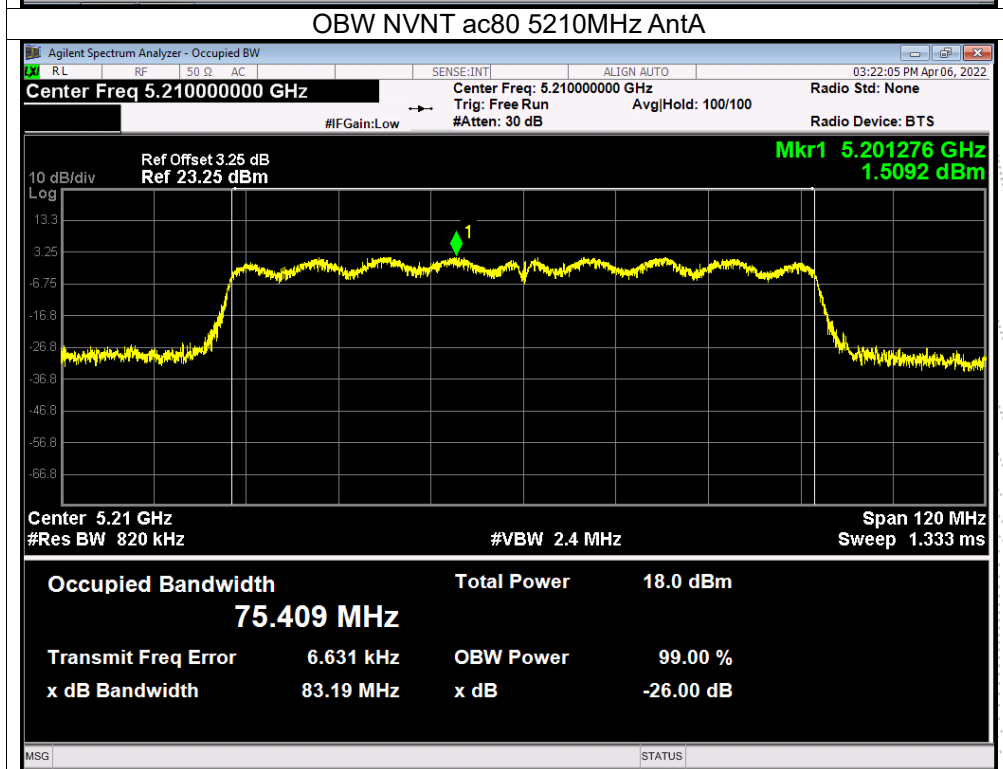
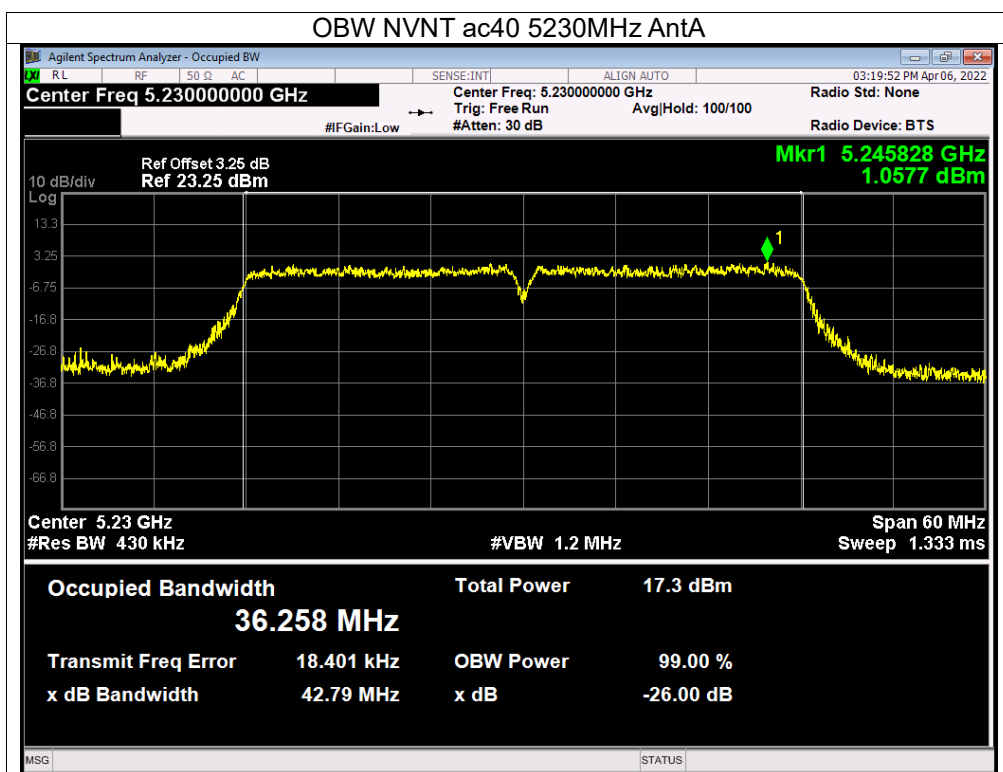


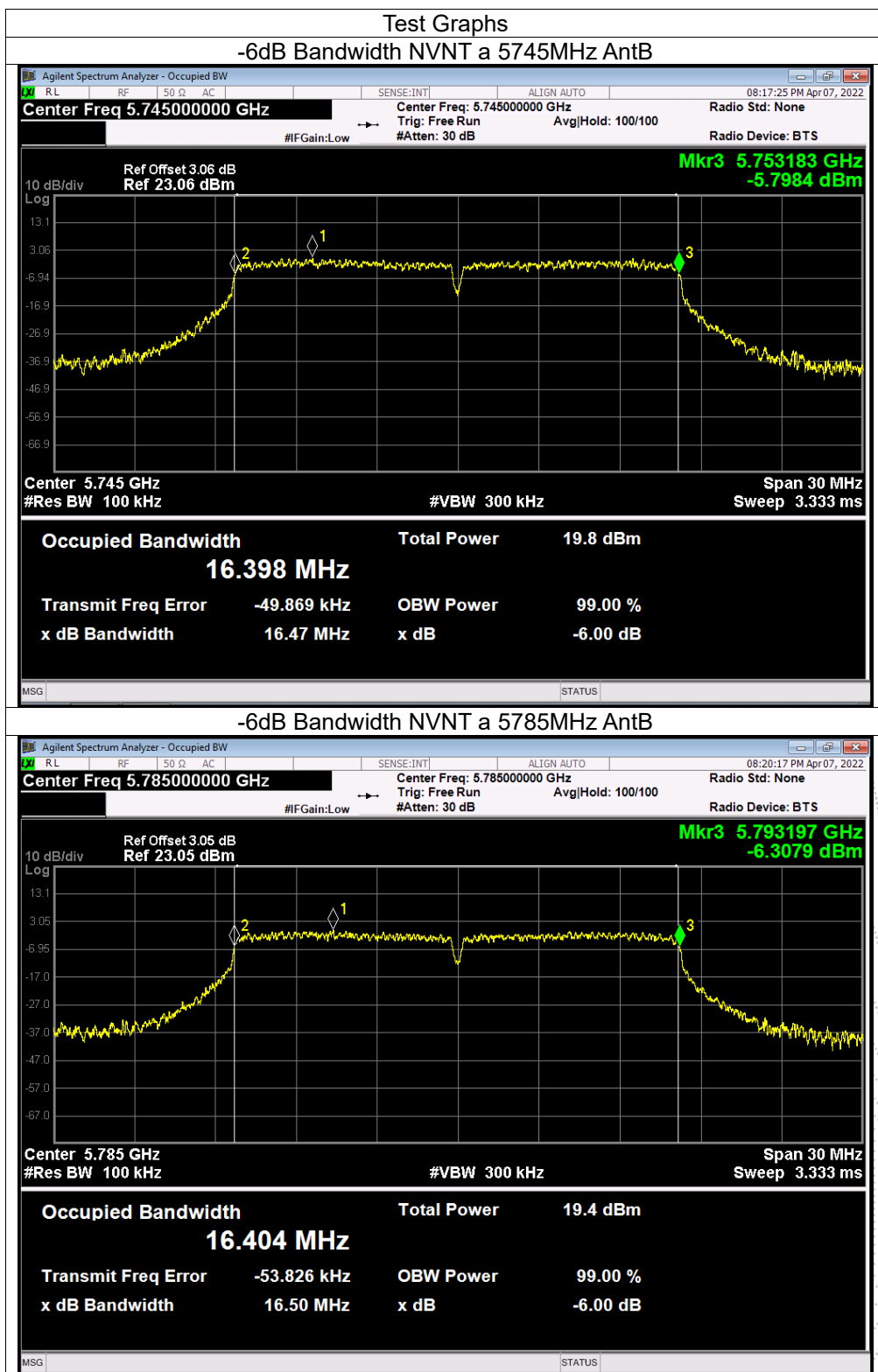


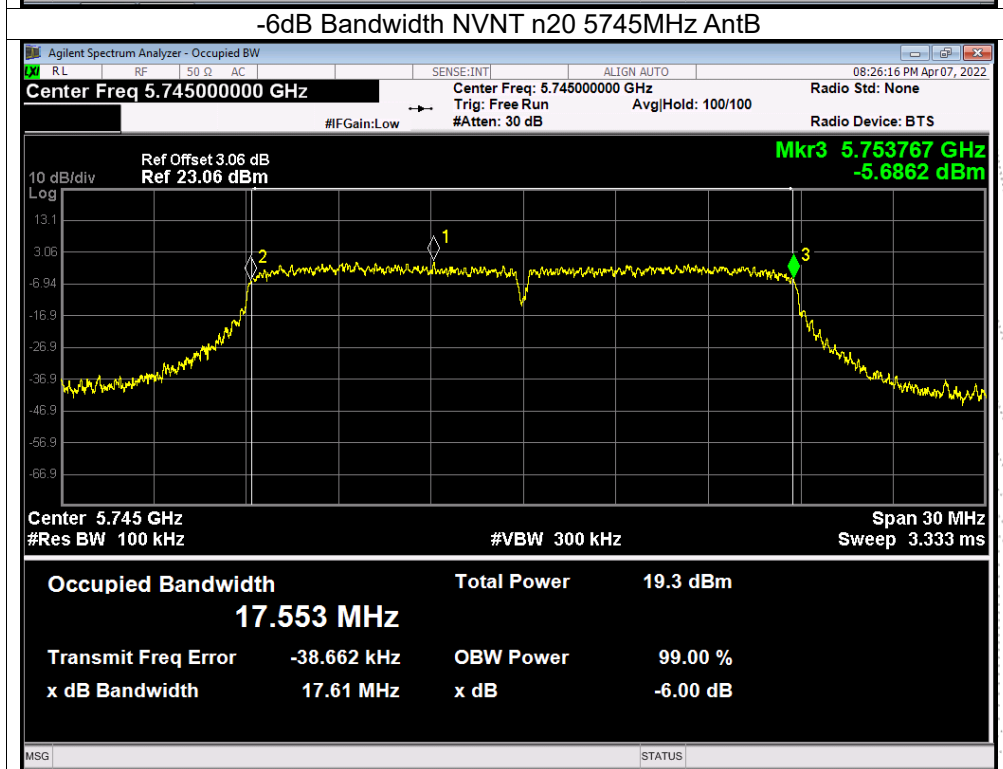
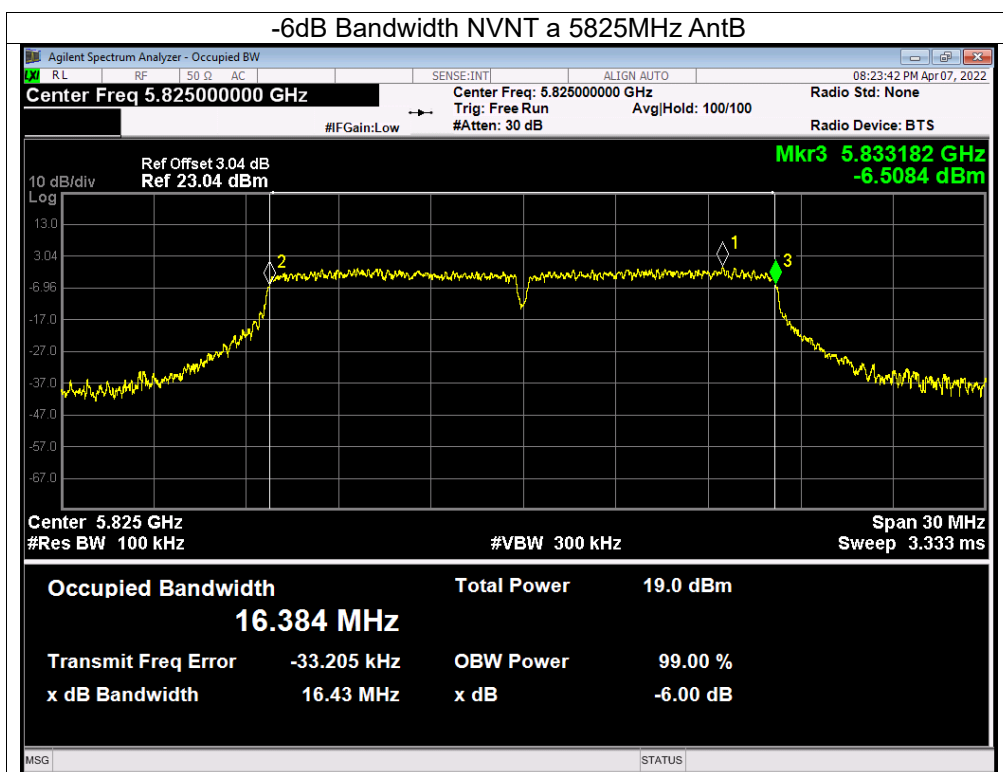
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX Frequency U-NII-3(5745-5825MHz)		

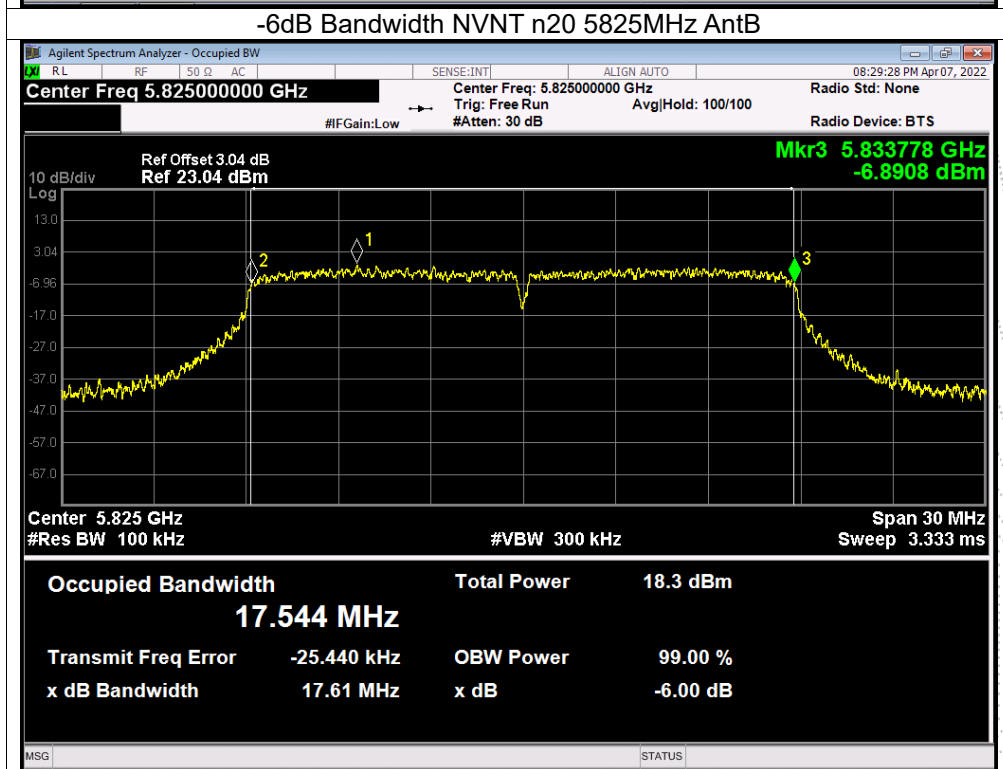
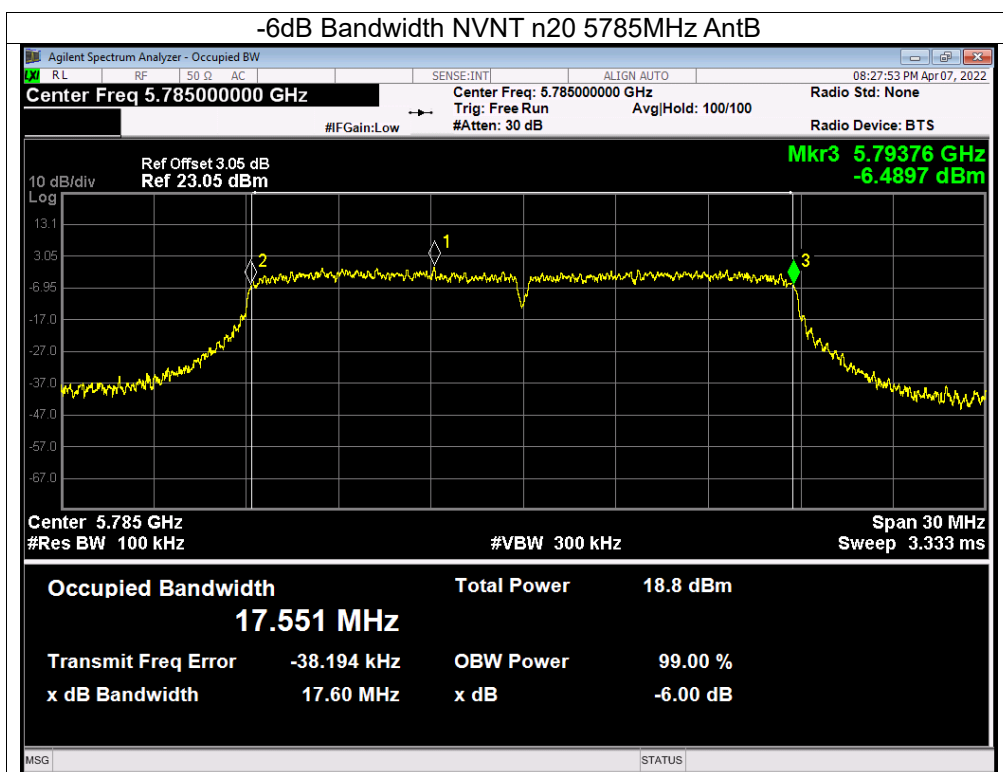
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

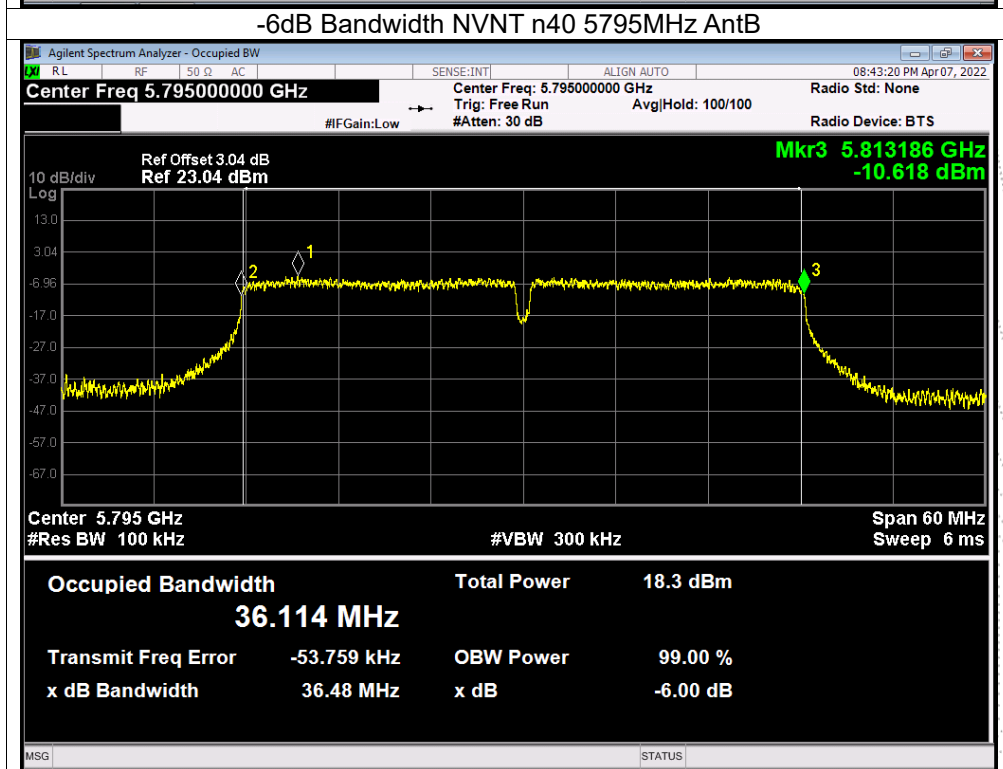
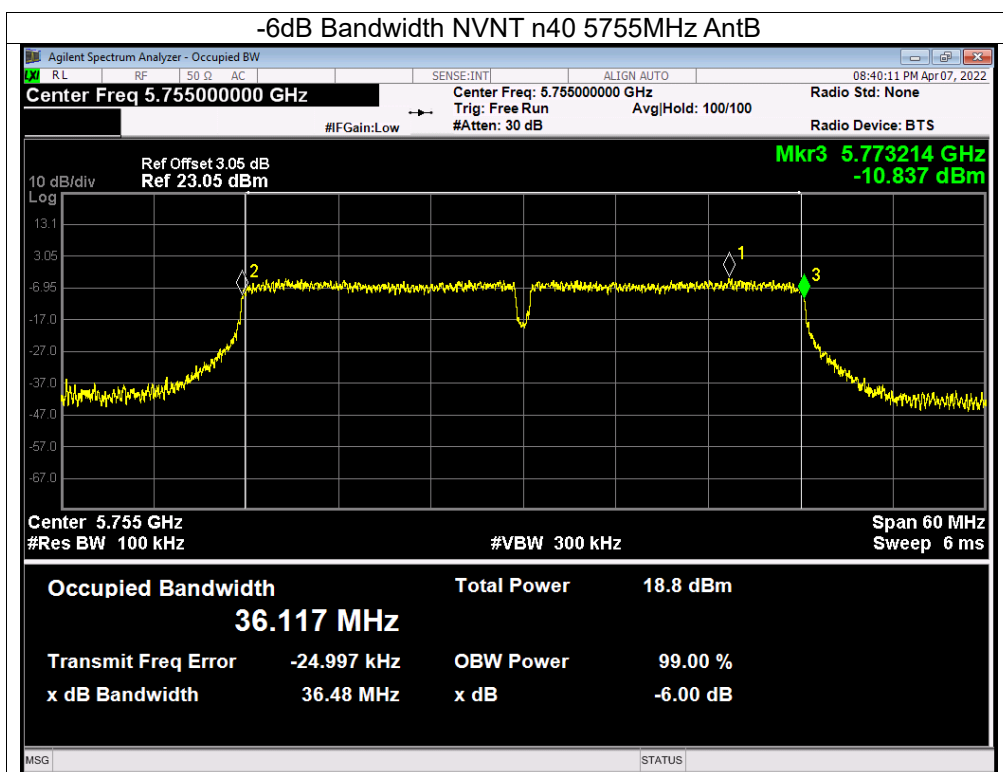
Mode	Channel	Frequency (MHz)	99% bandwidth(M Hz)	6dB bandwidth (MHz)	Limit MHz	Result
			ANT A	ANT A		
802.11a	CH149	5745	16.447	16.450	≥500	Pass
	CH157	5785	16.446	16.432	≥500	Pass
	CH165	5825	16.436	16.425	≥500	Pass
802.11 n20	CH149	5745	17.538	17.589	≥500	Pass
	CH157	5785	17.537	17.572	≥500	Pass
	CH165	5825	17.534	17.601	≥500	Pass
802.11 n40	CH151	5755	36.213	36.390	≥500	Pass
	CH159	5795	36.187	36.442	≥500	Pass
802.11 ac20	CH149	5745	17.542	17.576	≥500	Pass
	CH157	5785	17.554	17.599	≥500	Pass
	CH165	5825	17.541	17.632	≥500	Pass
802.11 ac40	CH151	5755	36.216	36.412	≥500	Pass
	CH159	5795	36.191	36.440	≥500	Pass
802.11 AC80	CH155	5775	75.153	75.717	≥500	Pass

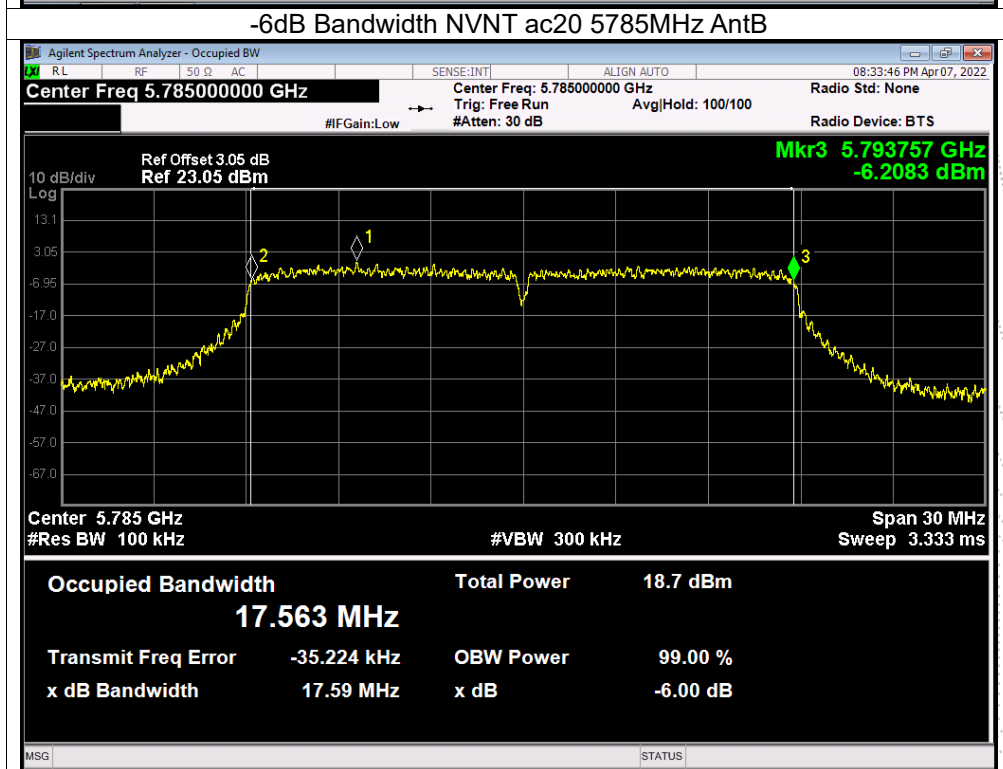
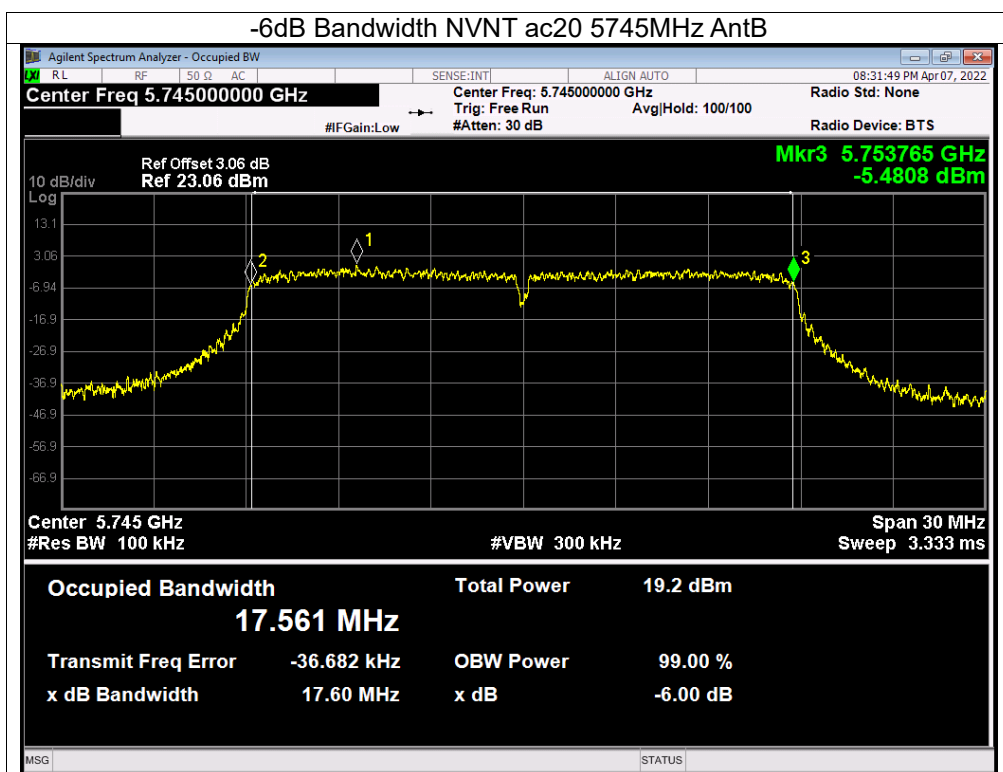
Mode	Channel	Frequency (MHz)	99% bandwidth(M Hz)	6dB bandwidth (MHz)	Limit MHz	Result
			ANT B	ANT B		
802.11a	CH149	5745	16.487	16.465	≥500	Pass
	CH157	5785	16.481	16.501	≥500	Pass
	CH165	5825	16.450	16.431	≥500	Pass
802.11 n20	CH149	5745	17.580	17.611	≥500	Pass
	CH157	5785	17.585	17.597	≥500	Pass
	CH165	5825	17.569	17.608	≥500	Pass
802.11 n40	CH151	5755	36.260	36.478	≥500	Pass
	CH159	5795	36.274	36.480	≥500	Pass
802.11 ac20	CH149	5745	17.597	17.603	≥500	Pass
	CH157	5785	17.605	17.585	≥500	Pass
	CH165	5825	17.577	17.657	≥500	Pass
802.11 ac40	CH151	5755	36.258	36.460	≥500	Pass
	CH159	5795	36.278	36.414	≥500	Pass
802.11 AC80	CH155	5775	75.342	75.948	≥500	Pass

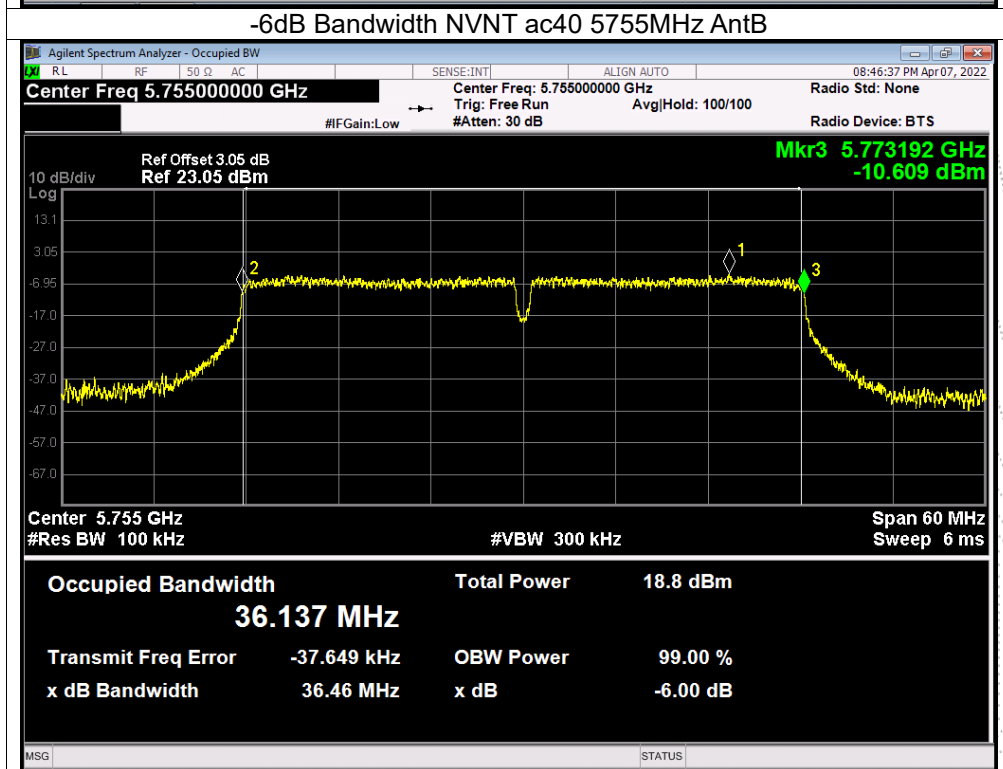
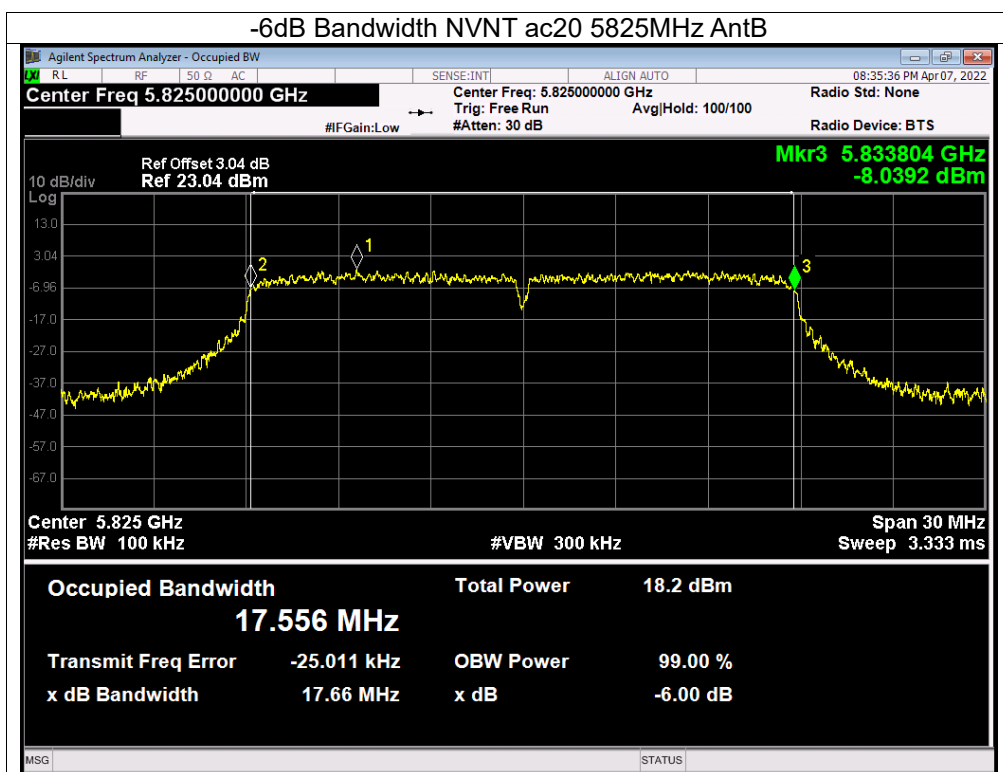


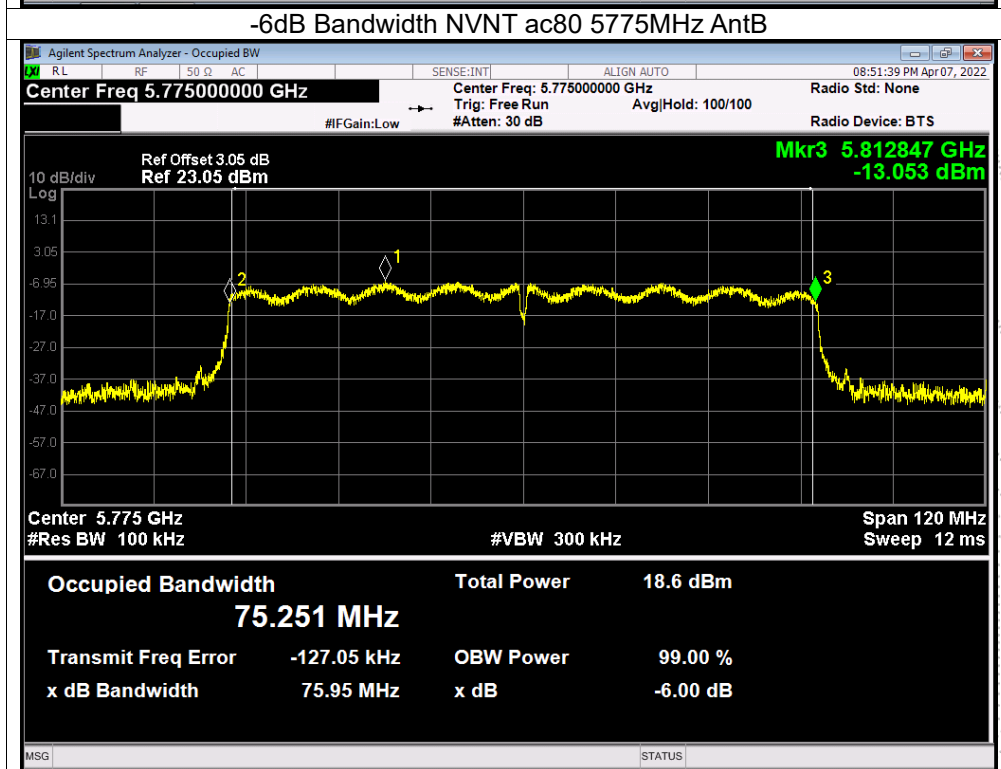
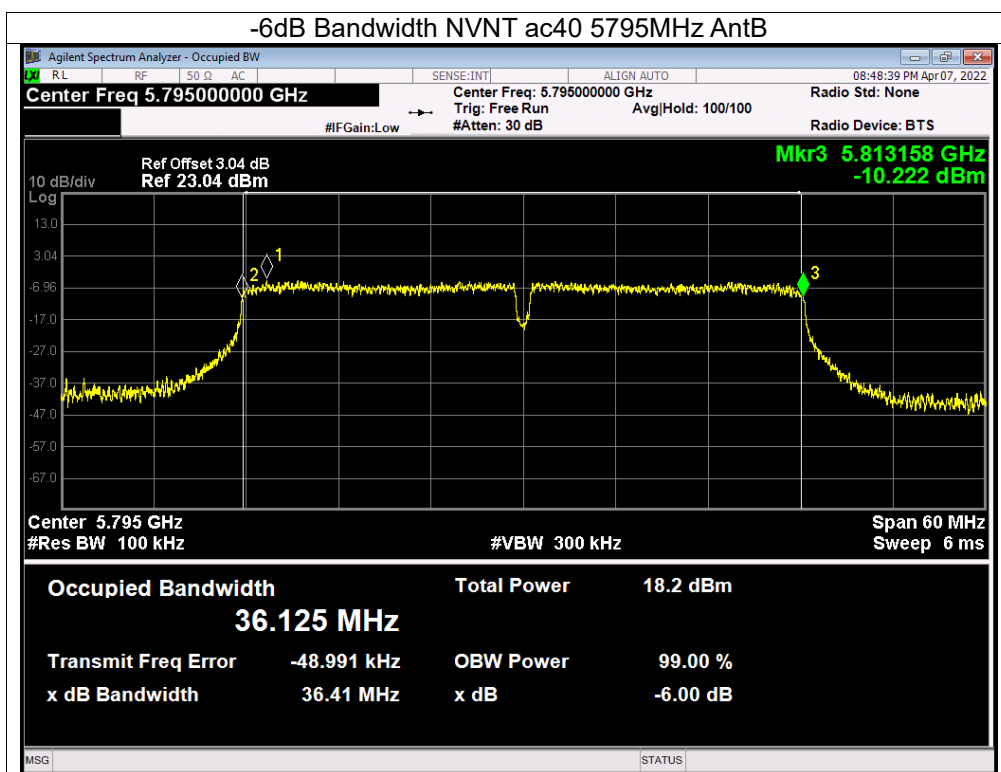


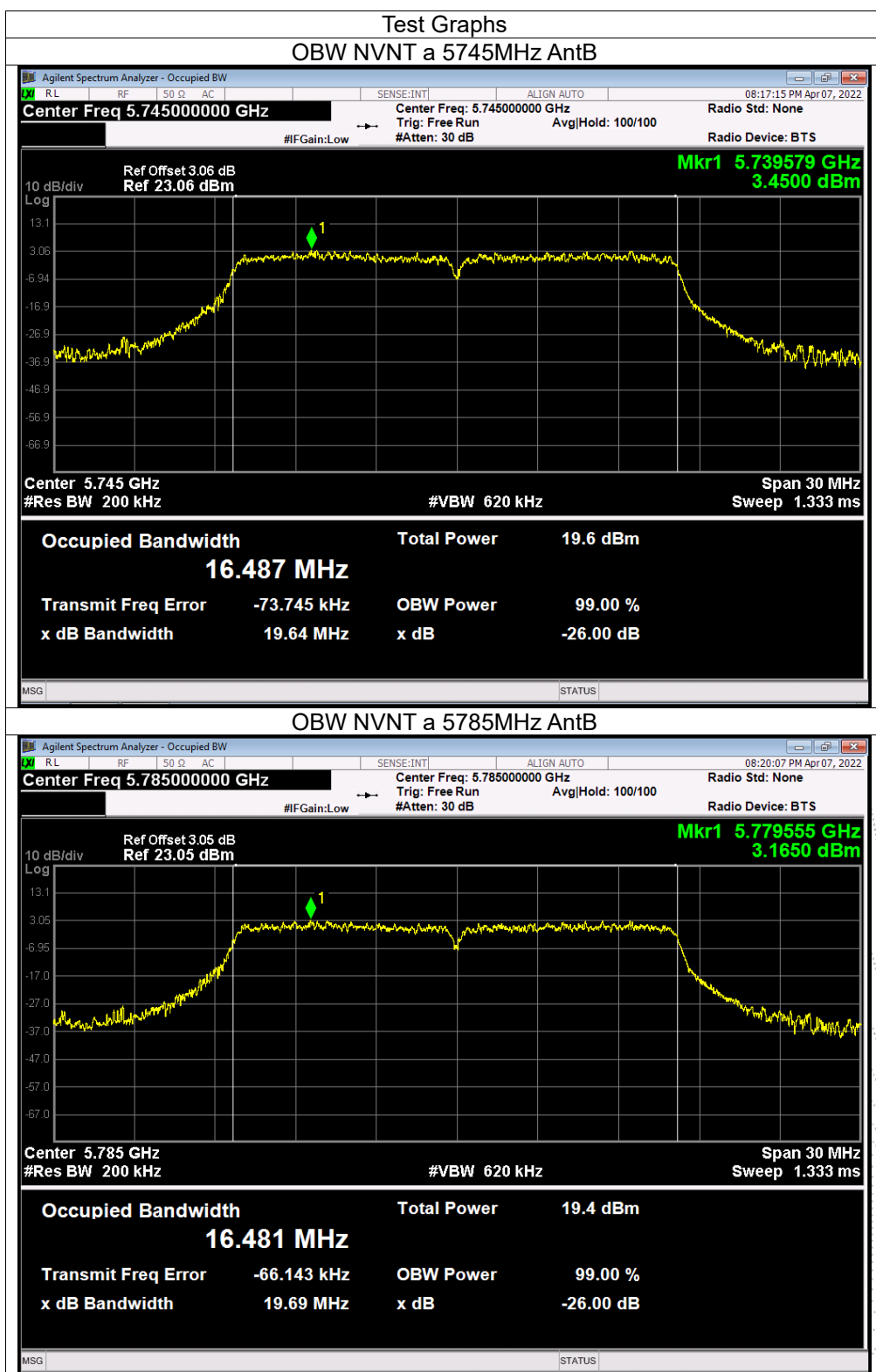


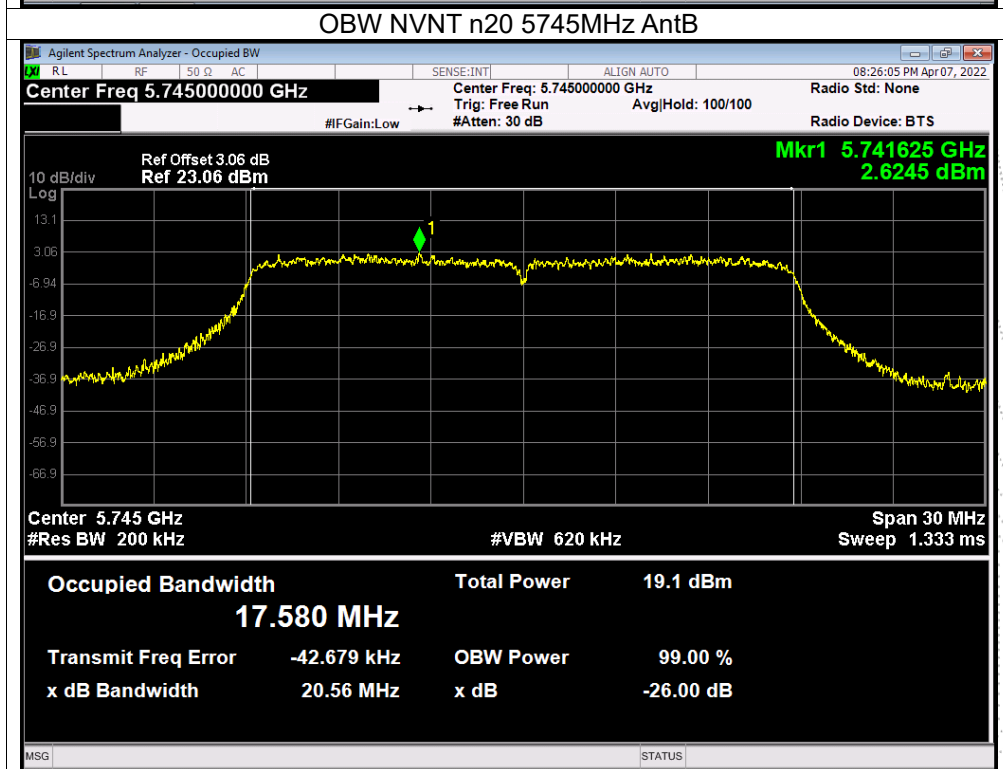
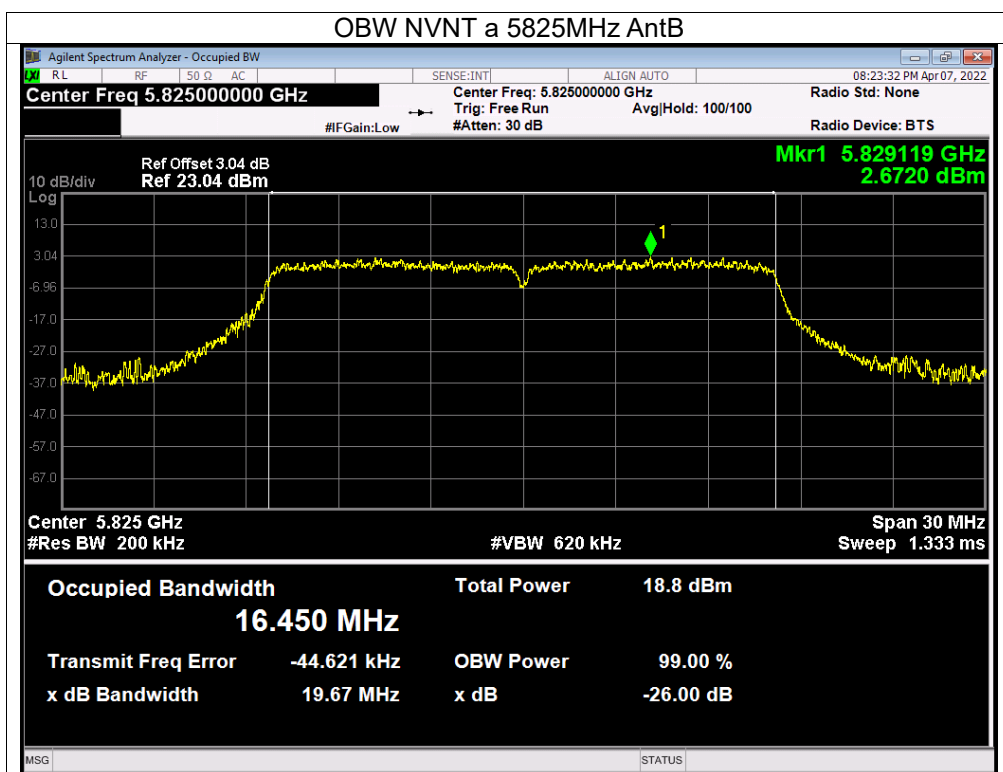


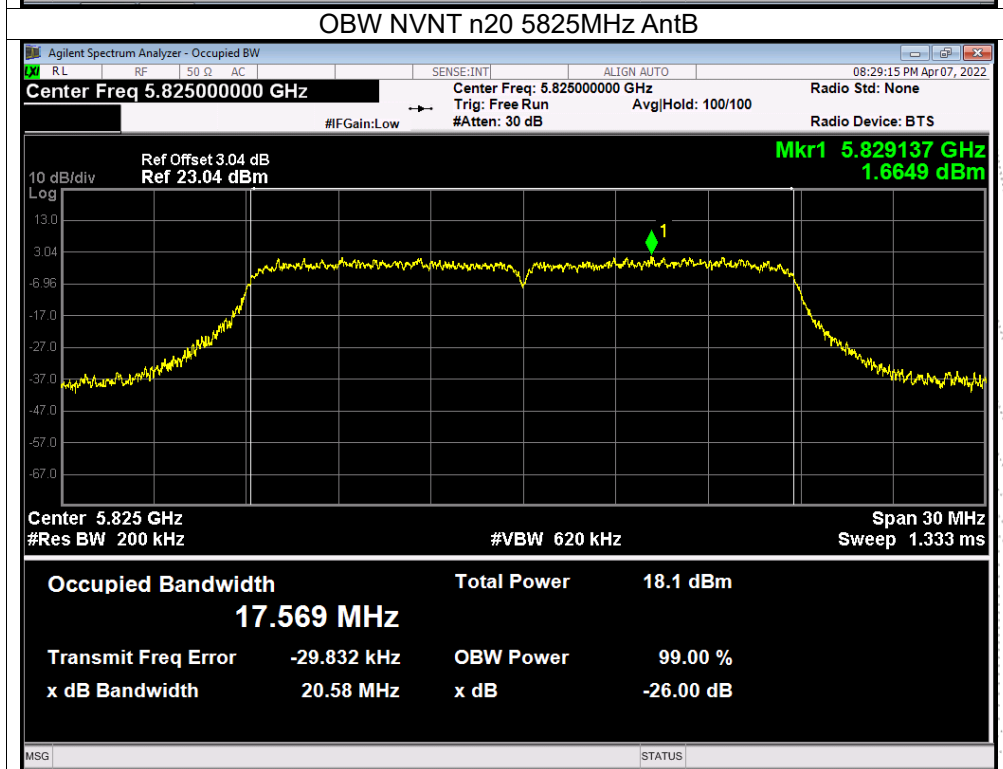
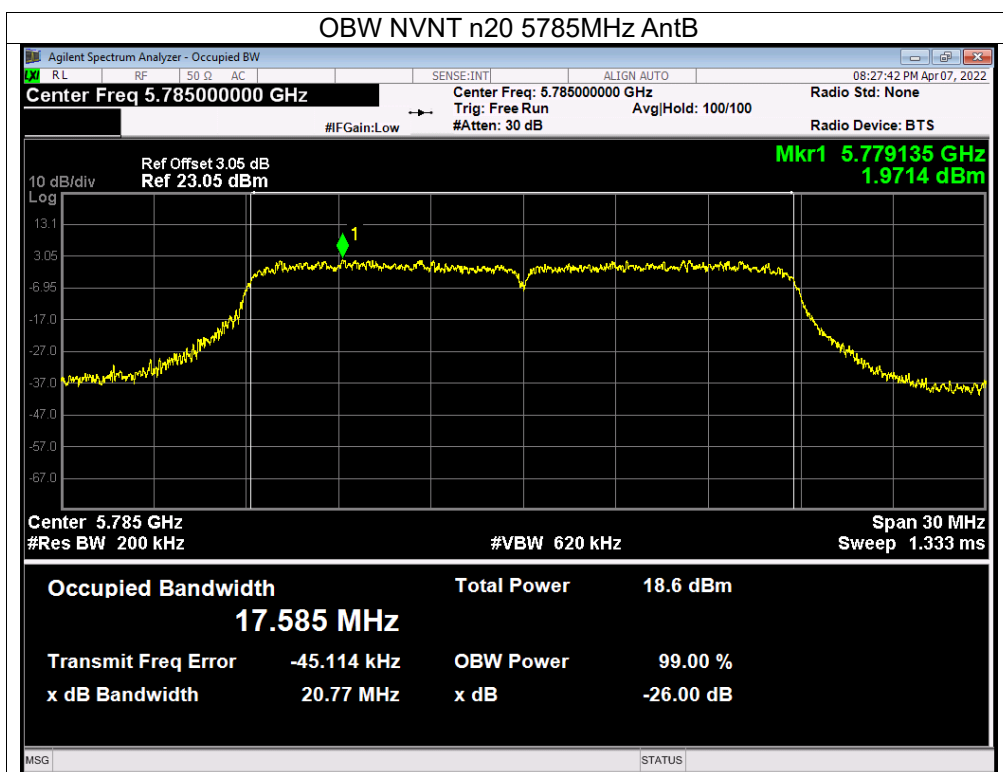


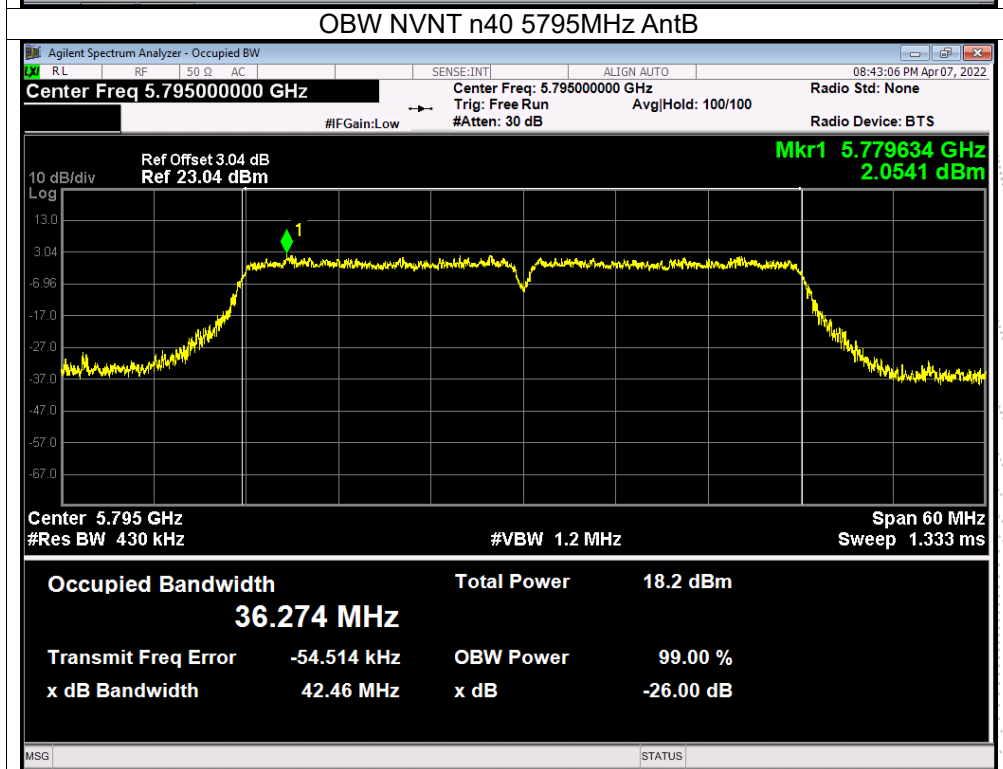
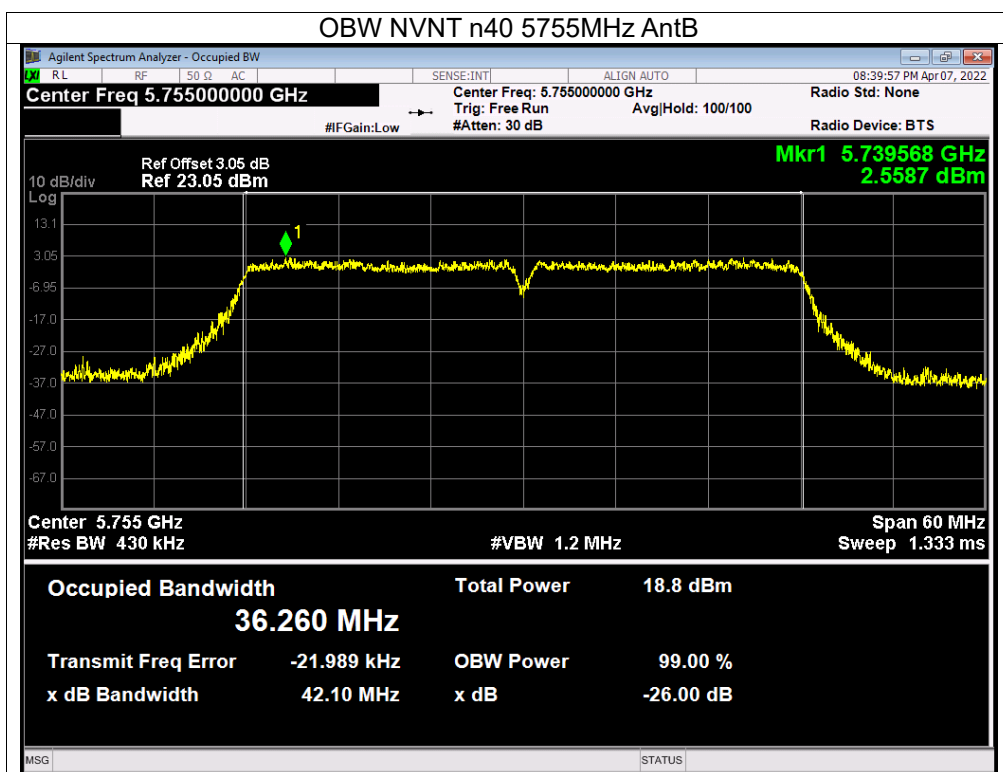


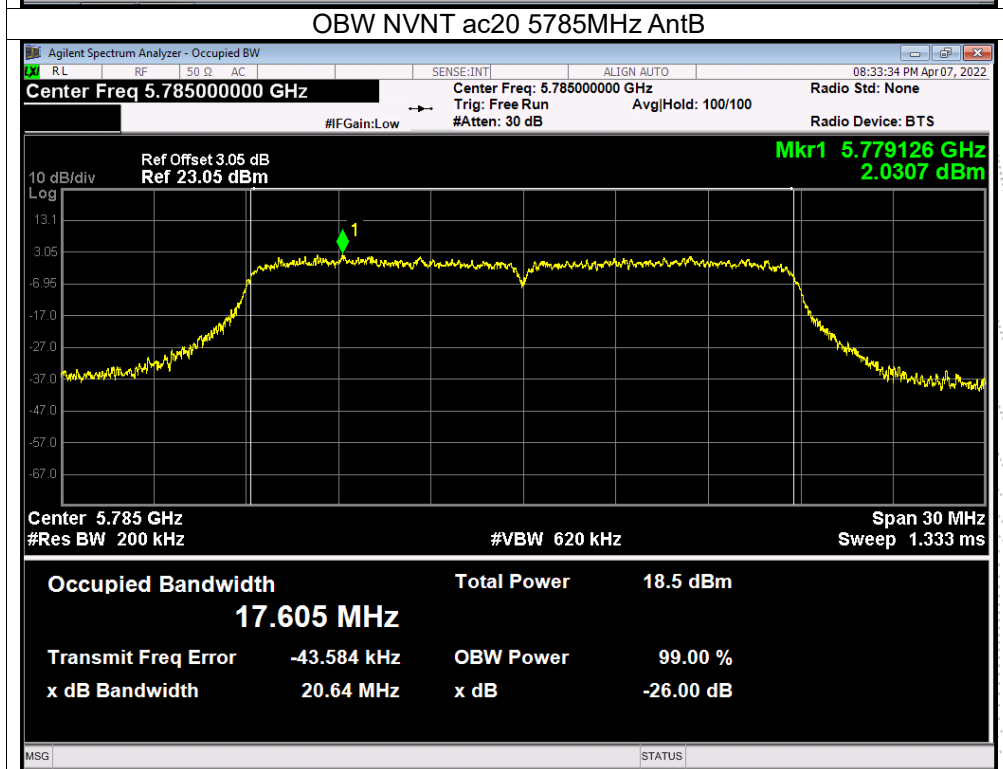
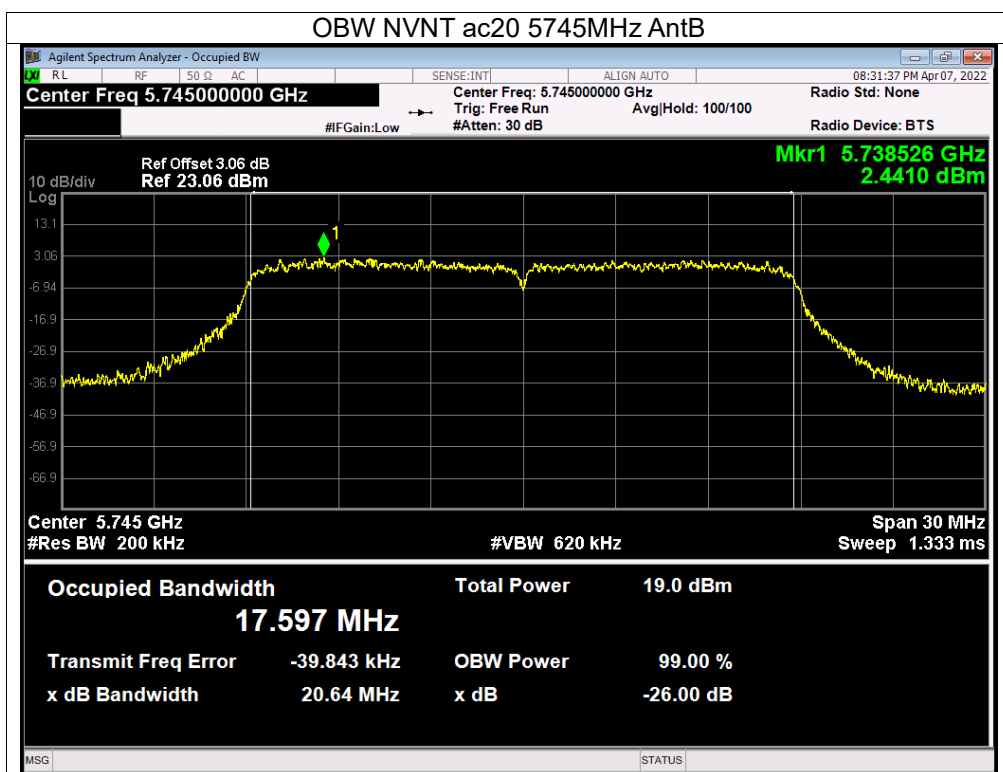


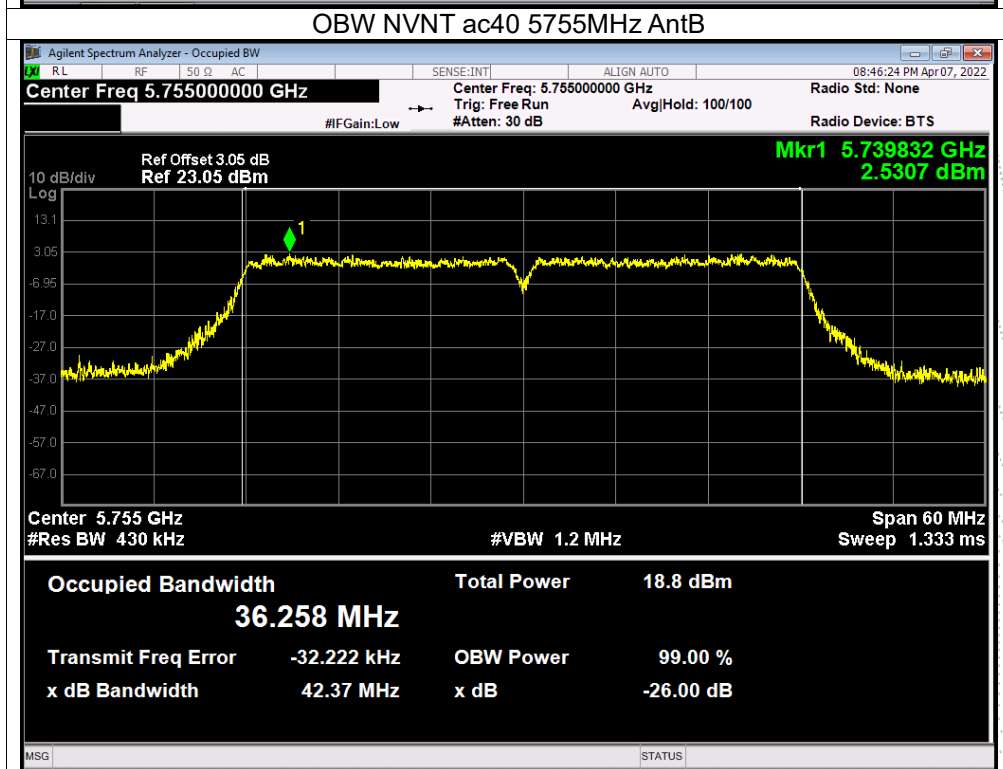
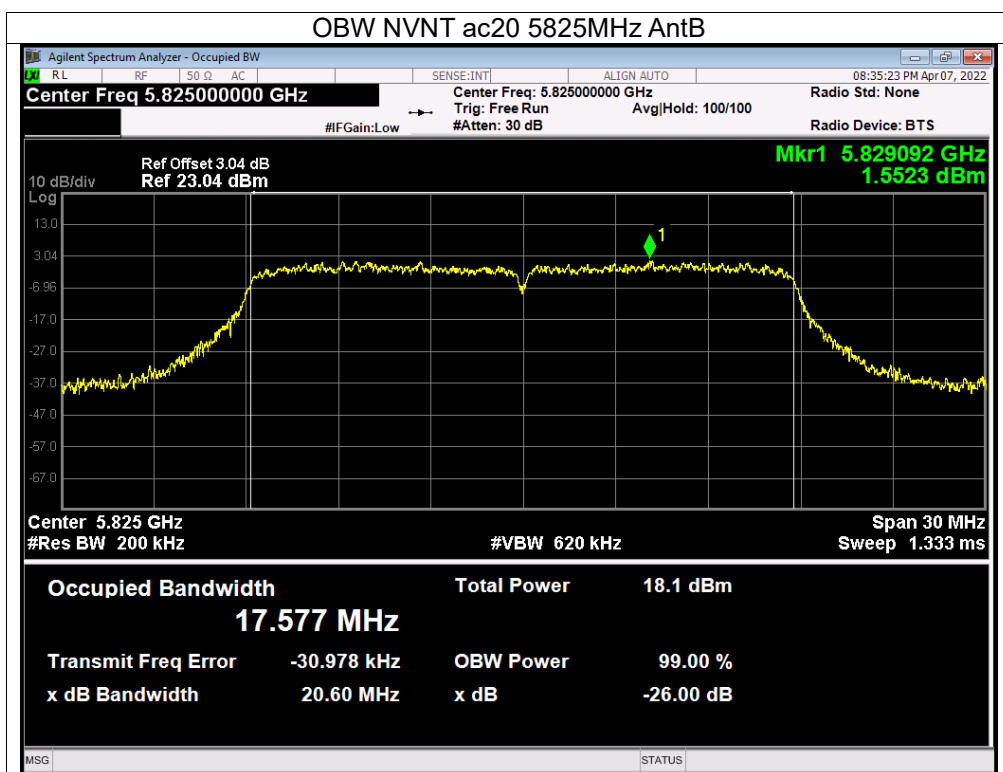


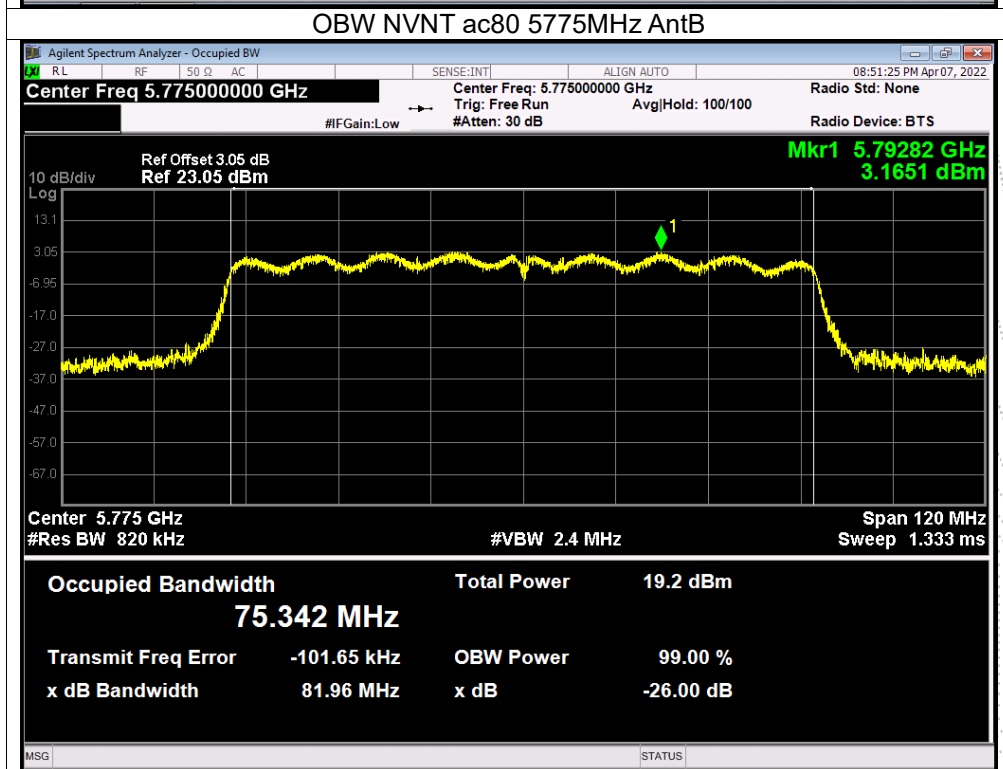
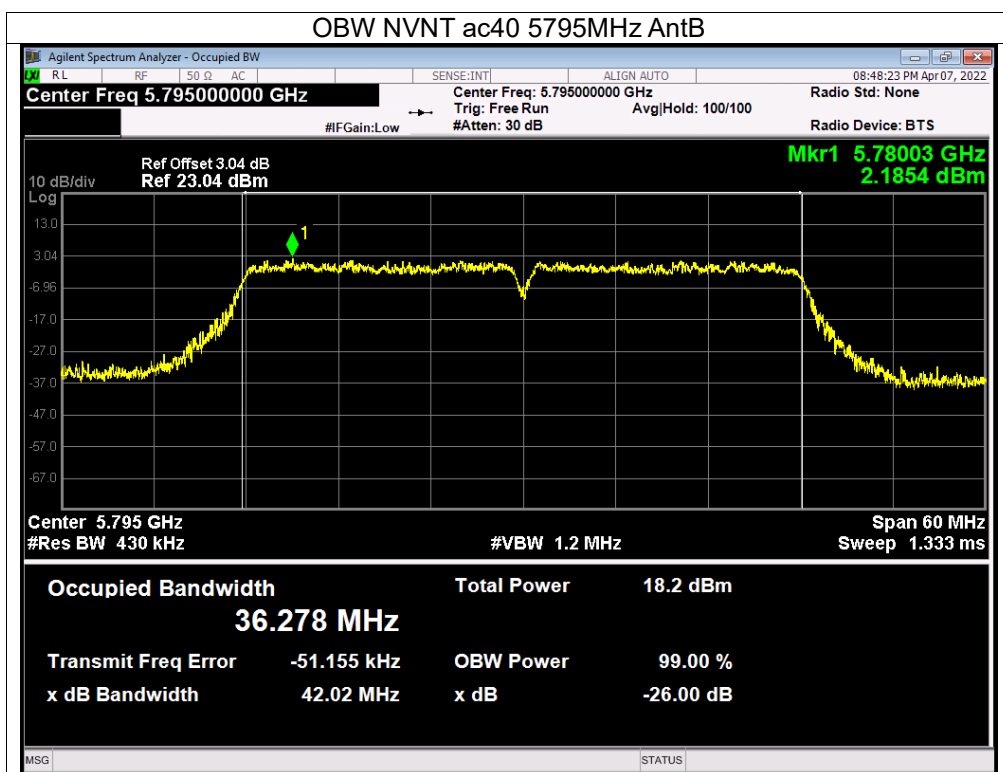












10. Maximum Conducted Output Power

10.1 Block Diagram Of Test Setup



10.2 Limit

According to FCC §15.407

The maximum conducted 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 ± 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 ≥ 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.

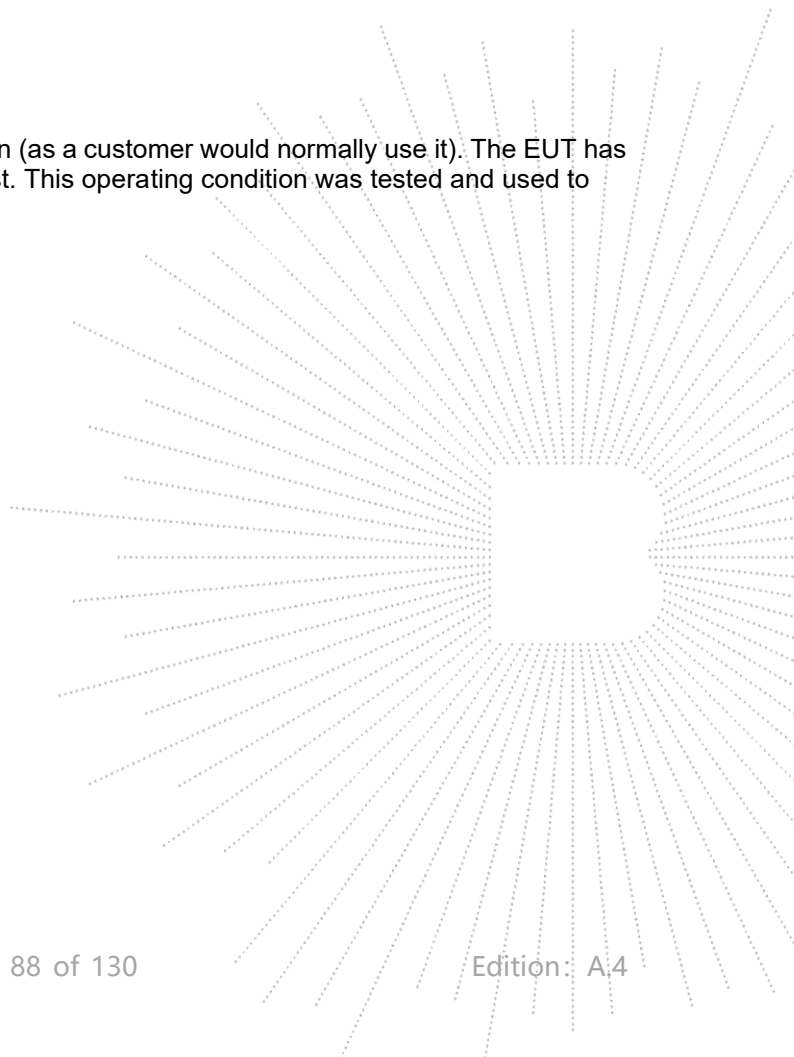
(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 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.



10.5 Test Result

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX (5G) Mode Frequency U-NII-1 (5180-5240MHz)		

Test Mode	Test Channel	Frequency	Maximum output power. Antenna port (AV)			Limit	Result
		(MHz)	ANT A(dBm)	ANT B(dBm)	Total(dBm)	dBm	
TX 802.11a Mode	CH36	5180	13.16	13.39	/	24	Pass
	CH40	5200	12.76	13.21	/	24	Pass
	CH48	5240	11.47	12.79	/	24	Pass
TX 802.11 n20M Mode	CH36	5180	12.86	13.26	16.07	24	Pass
	CH40	5200	12.67	12.87	15.78	24	Pass
	CH48	5240	11.40	11.24	14.33	24	Pass
TX 802.11 n40M Mode	CH38	5190	12.19	12.04	15.13	24	Pass
	CH46	5230	12.12	12.48	15.31	24	Pass
TX 802.11 AC20M Mode	CH36	5180	13.25	13.13	16.20	24	Pass
	CH40	5200	12.55	12.56	15.57	24	Pass
	CH48	5240	11.29	11.33	14.32	24	Pass
TX 802.11 AC40M Mode	CH38	5190	12.05	12.52	15.30	24	Pass
	CH46	5230	12.07	12.33	15.21	24	Pass
TX 802.11 AC80M Mode	CH42	5210	12.33	12.19	15.27	24	Pass

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX (5G) Mode Frequency U-NII-3 (5745-5825MHz)		

Test Mode	Test Channel	Frequency	Maximum output power. Antenna port (AV)			Limit	Result
		(MHz)	ANT A(dBm)	ANT B(dBm)	Total(dBm)	dBm	
TX 802.11a Mode	CH 149	5745	13.31	14.31	/	30	Pass
	CH 157	5785	12.27	14.06	/	30	Pass
	CH 165	5825	11.81	13.46	/	30	Pass
TX 802.11 n20M Mode	CH 149	5745	12.83	13.90	16.41	30	Pass
	CH 157	5785	12.31	13.40	15.90	30	Pass
	CH 165	5825	11.98	12.86	15.45	30	Pass
TX 802.11 n40M Mode	CH 151	5755	13.12	13.45	16.30	30	Pass
	CH 159	5795	12.50	12.85	15.69	30	Pass
TX 802.11 AC20M Mode	CH 151	5755	12.89	13.87	16.42	30	Pass
	CH 159	5795	12.43	13.31	15.90	30	Pass
	CH 151	5755	11.86	12.88	15.41	30	Pass
TX 802.11 AC40M Mode	CH 151	5755	13.04	13.38	16.22	30	Pass
	CH 159	5795	12.29	12.70	15.51	30	Pass
TX 802.11 AC80M Mode	CH 155	5775	12.23	13.37	15.85	30	Pass

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.
2. 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.

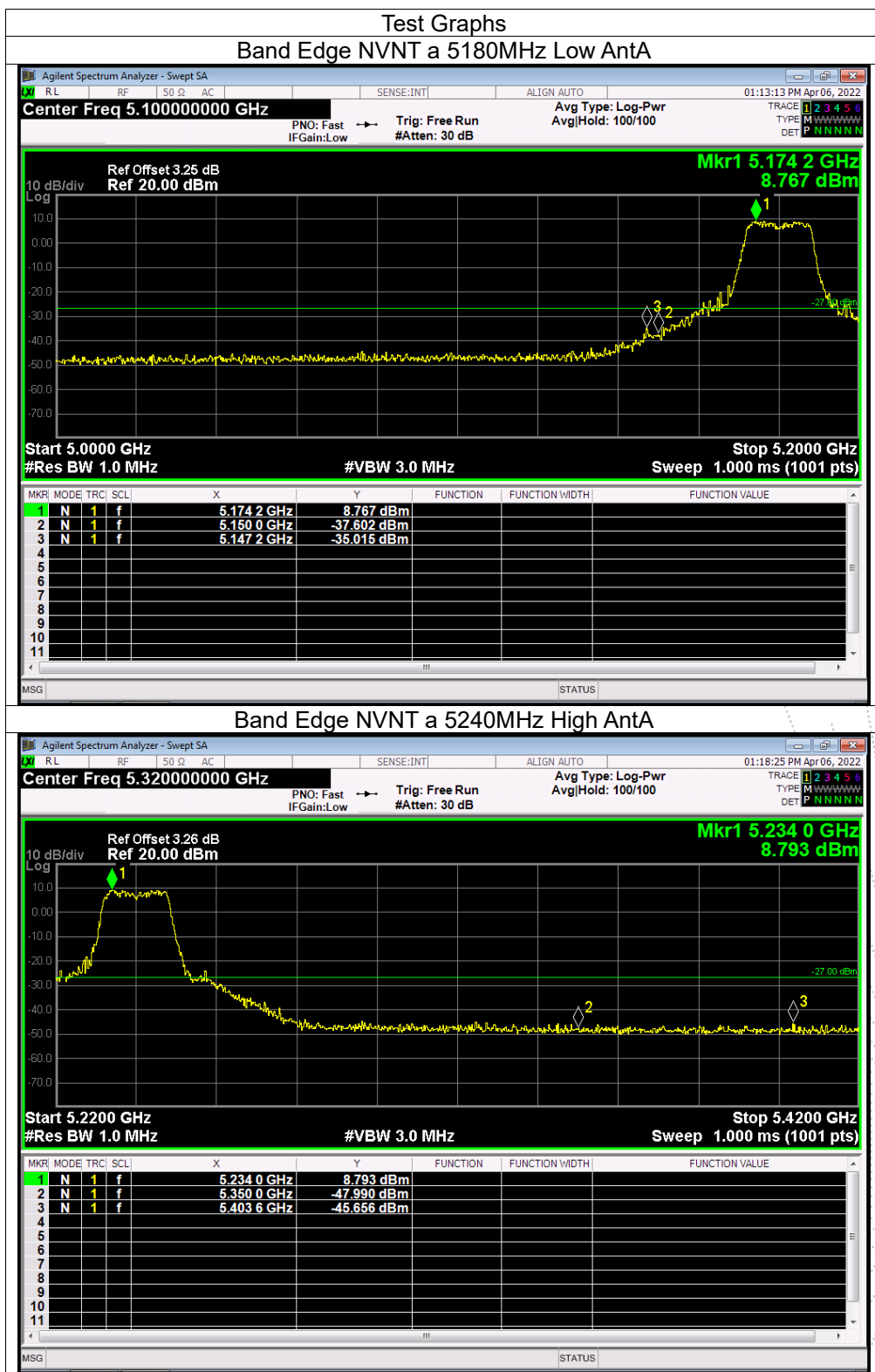
11.4 EUT Operating Conditions

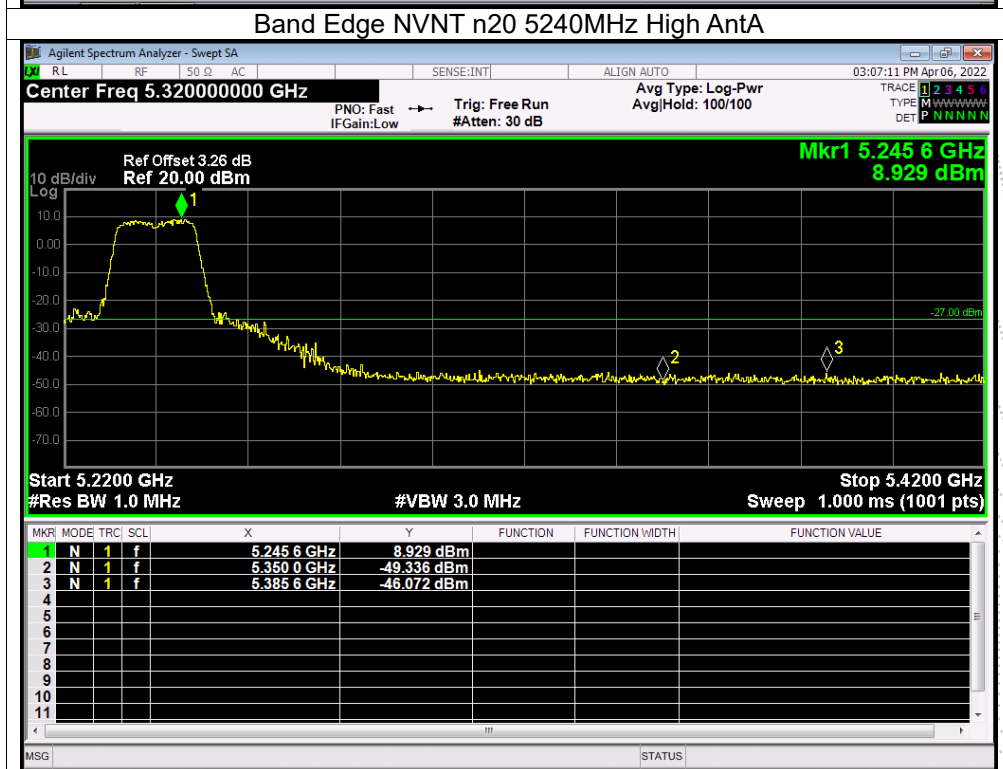
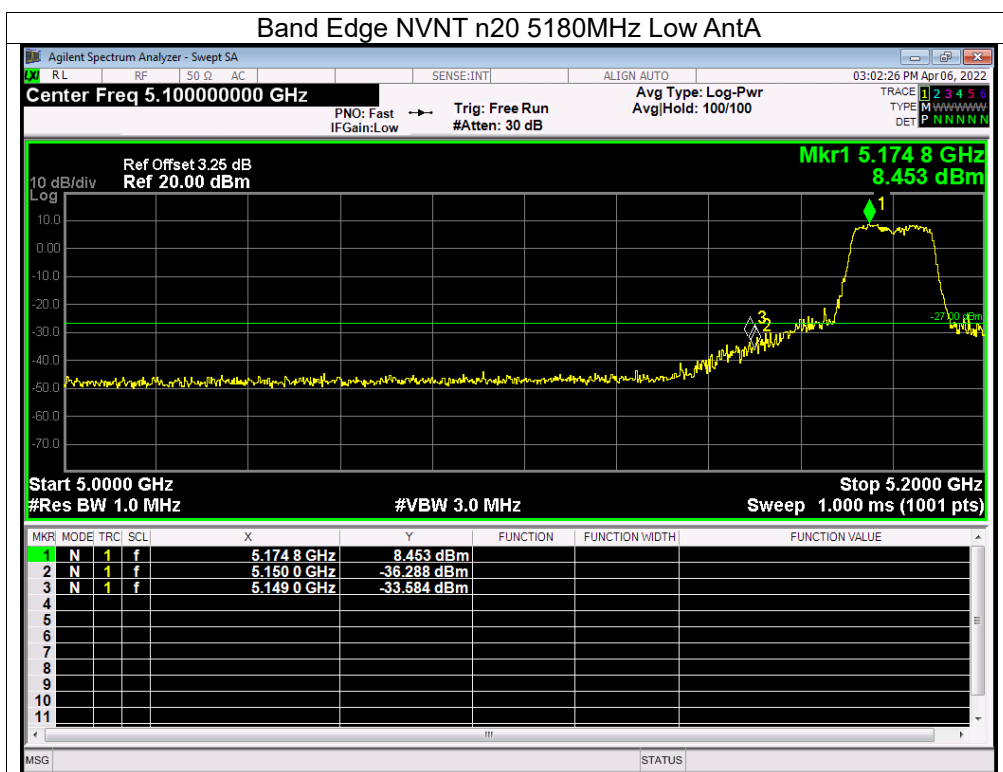
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data

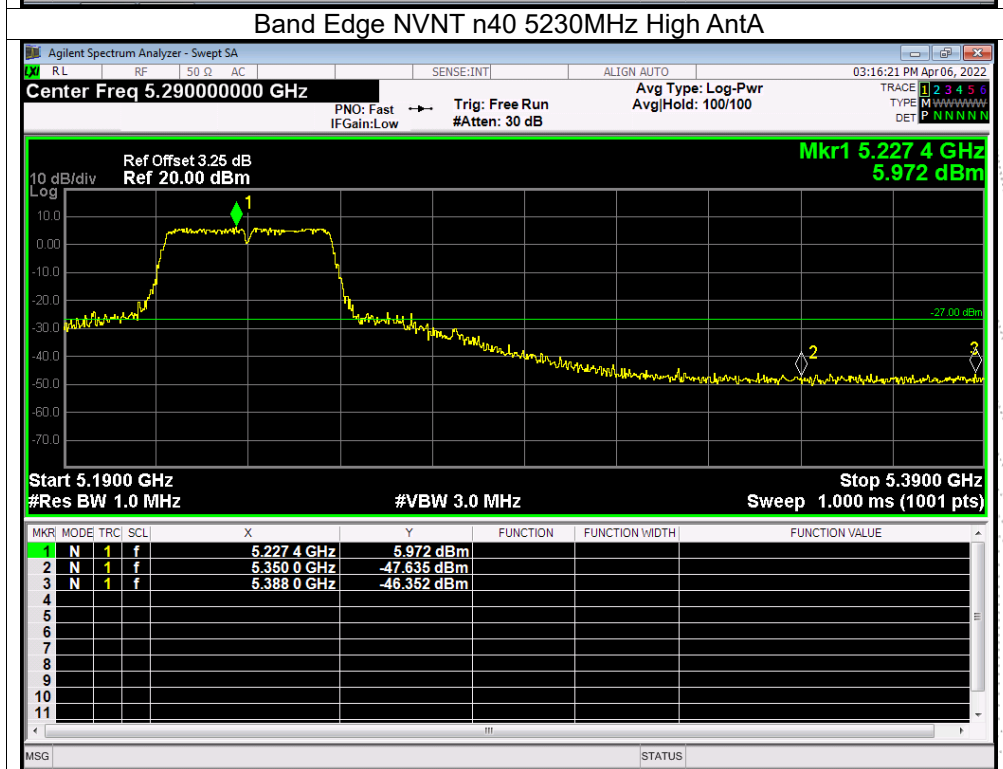
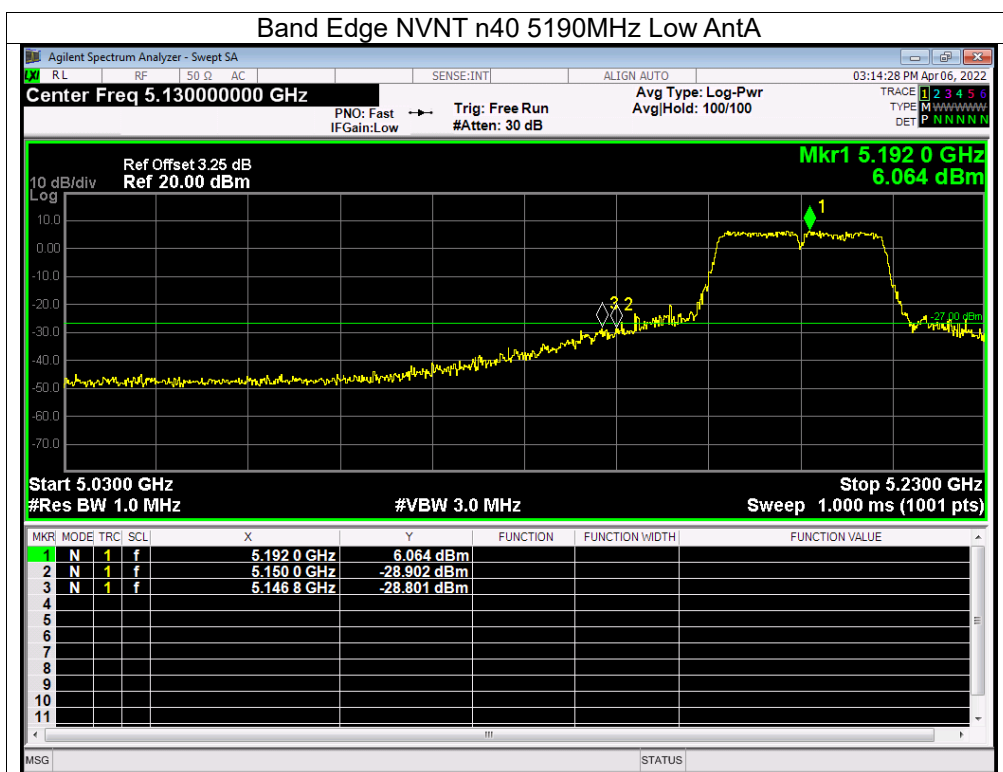
11.5 Test Result

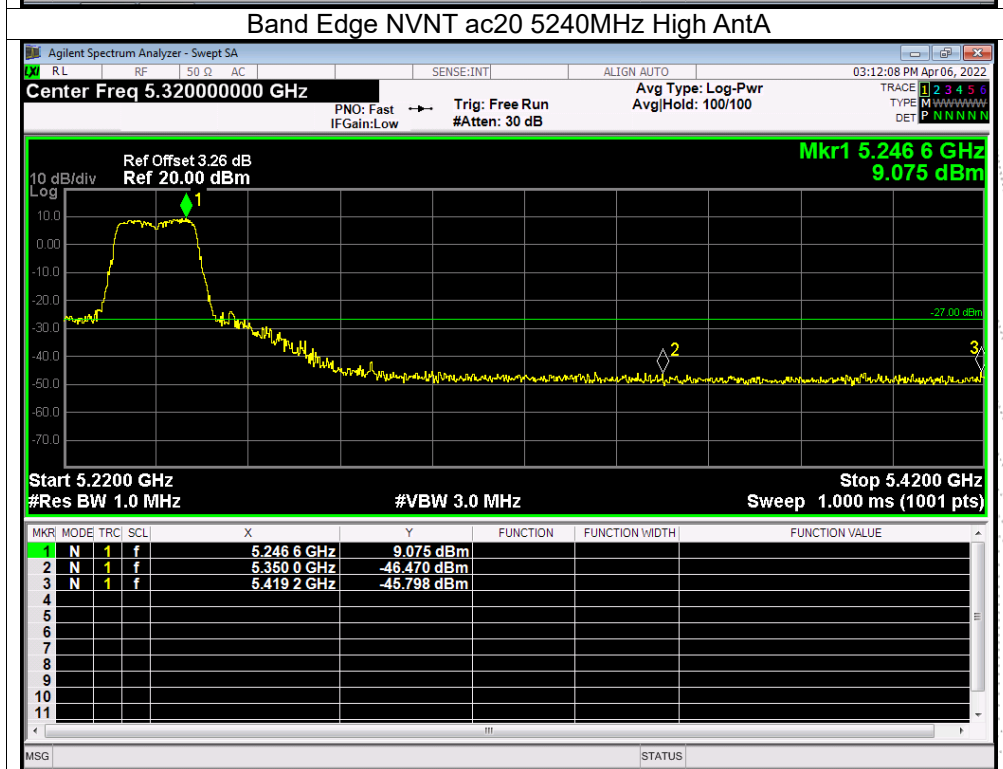
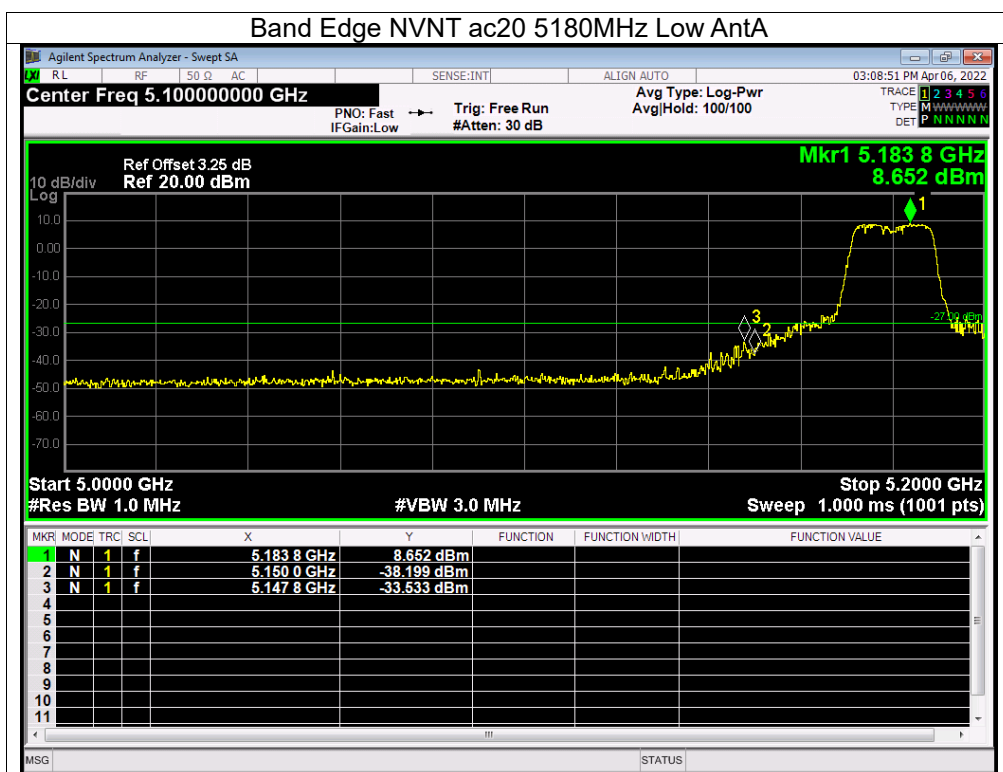
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz

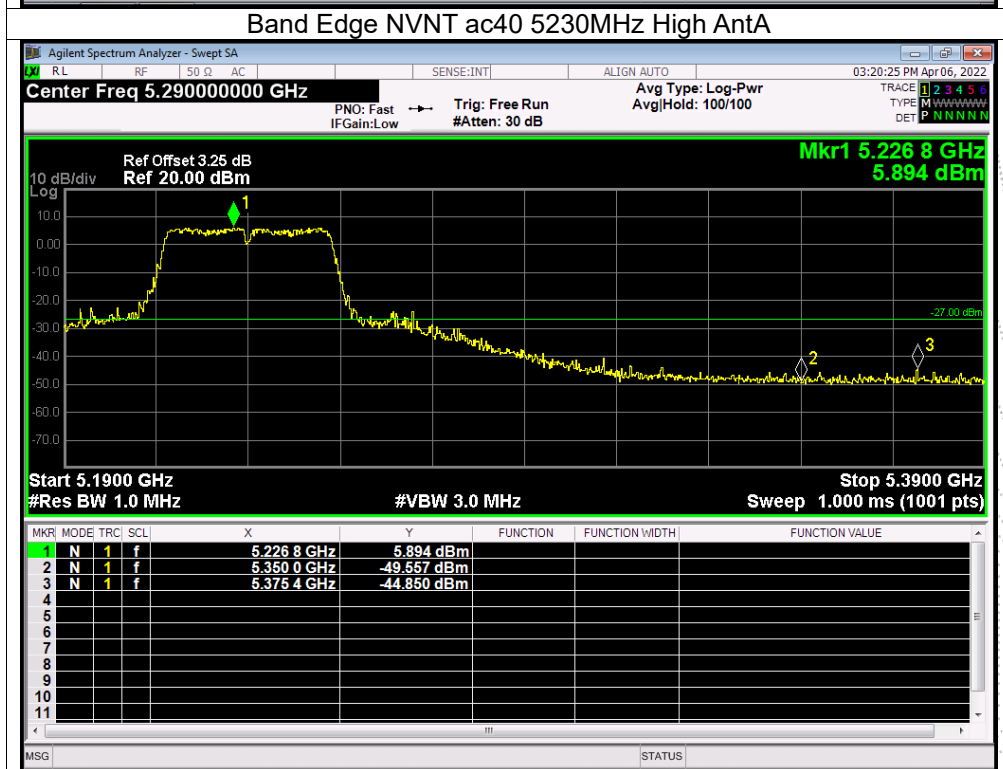
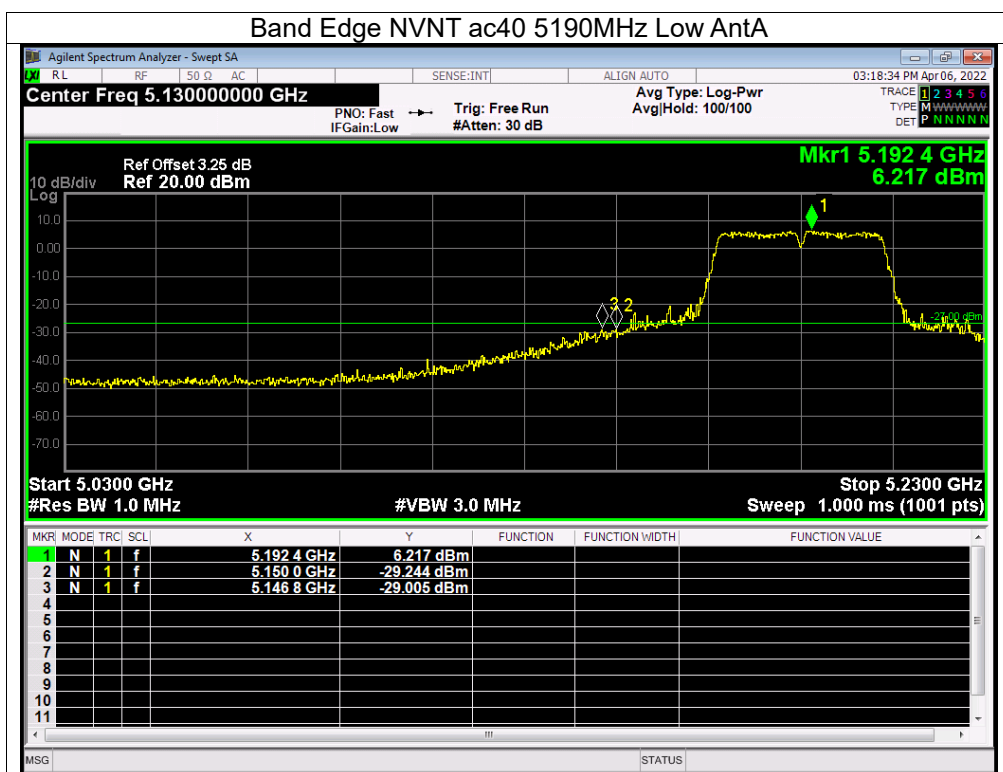
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A ,only shown Antenna A .
Plot. Antenna A: 5180-5240MHz

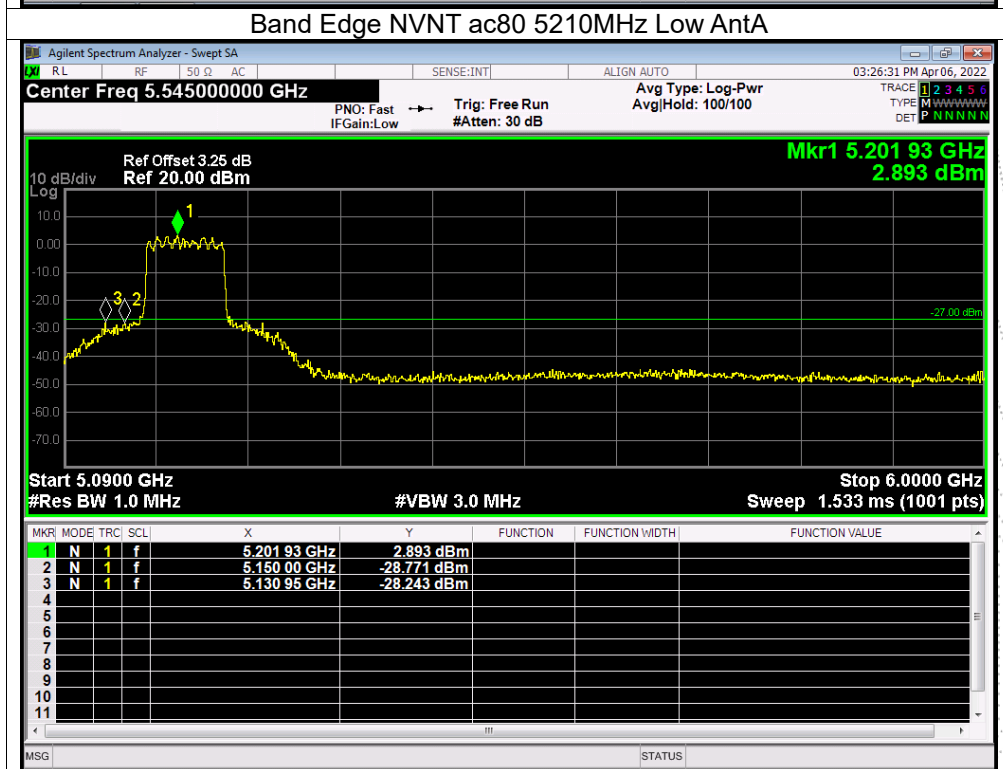
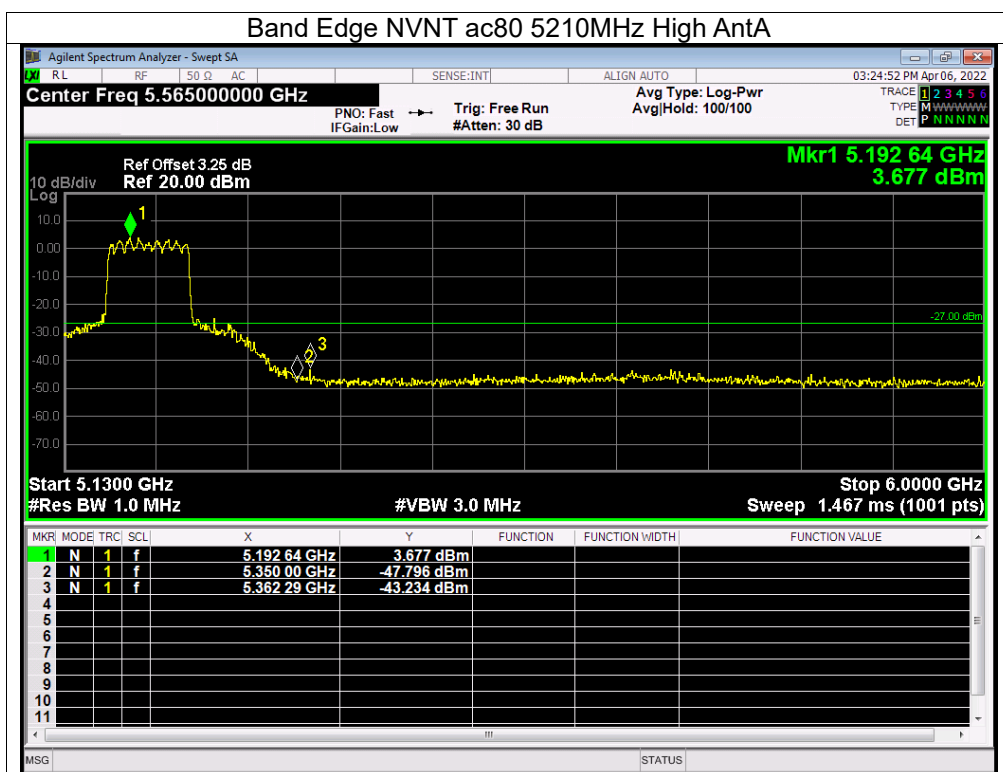




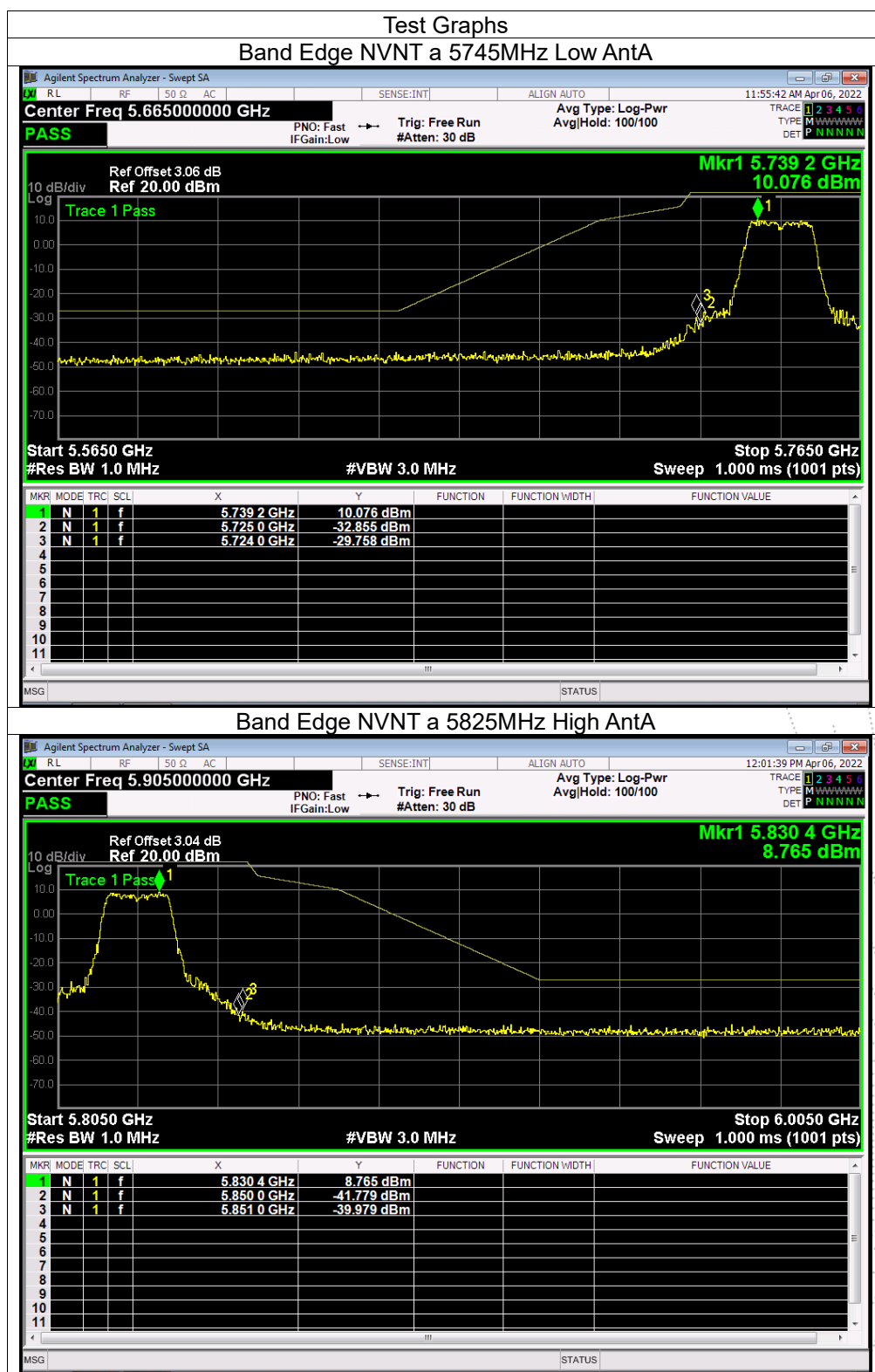


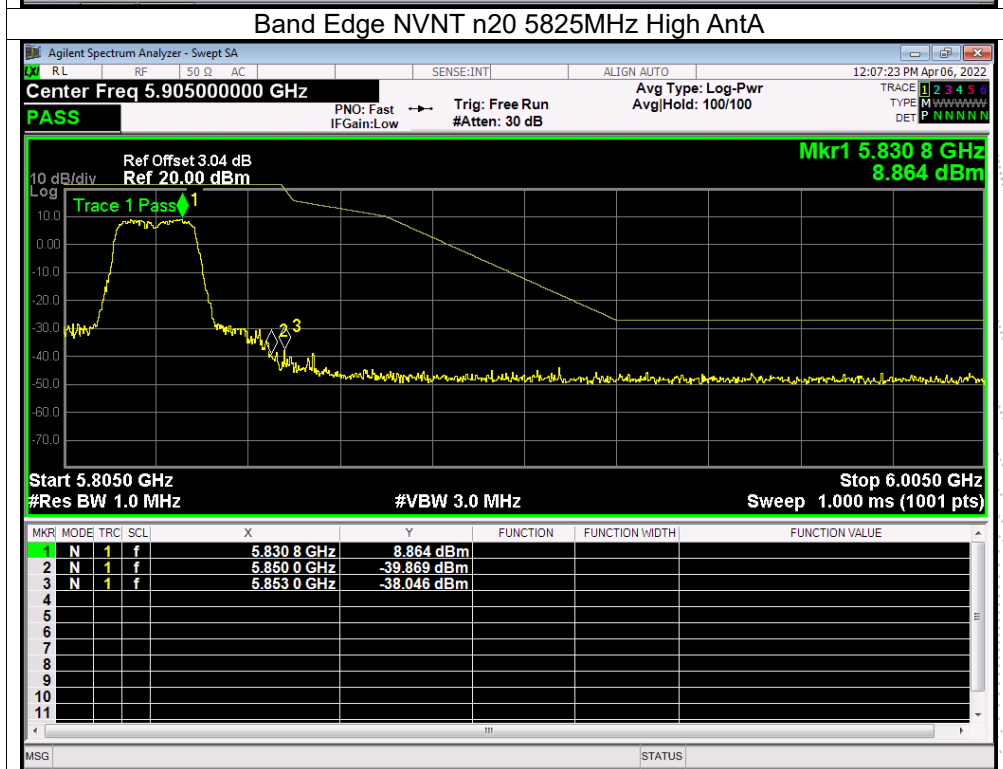
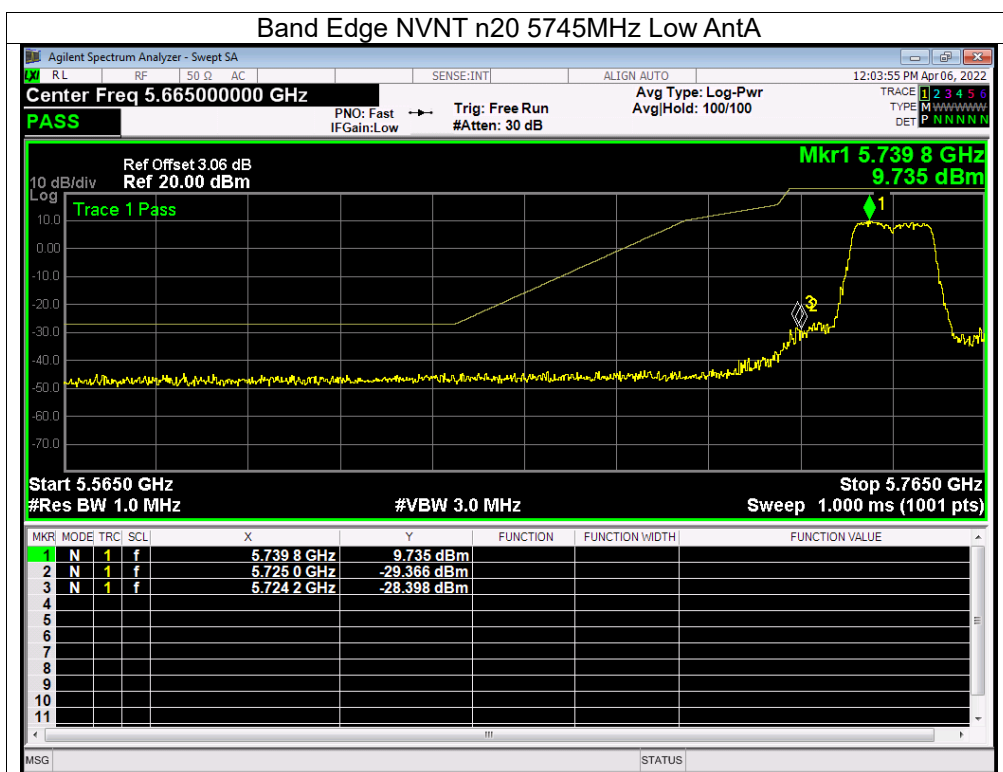


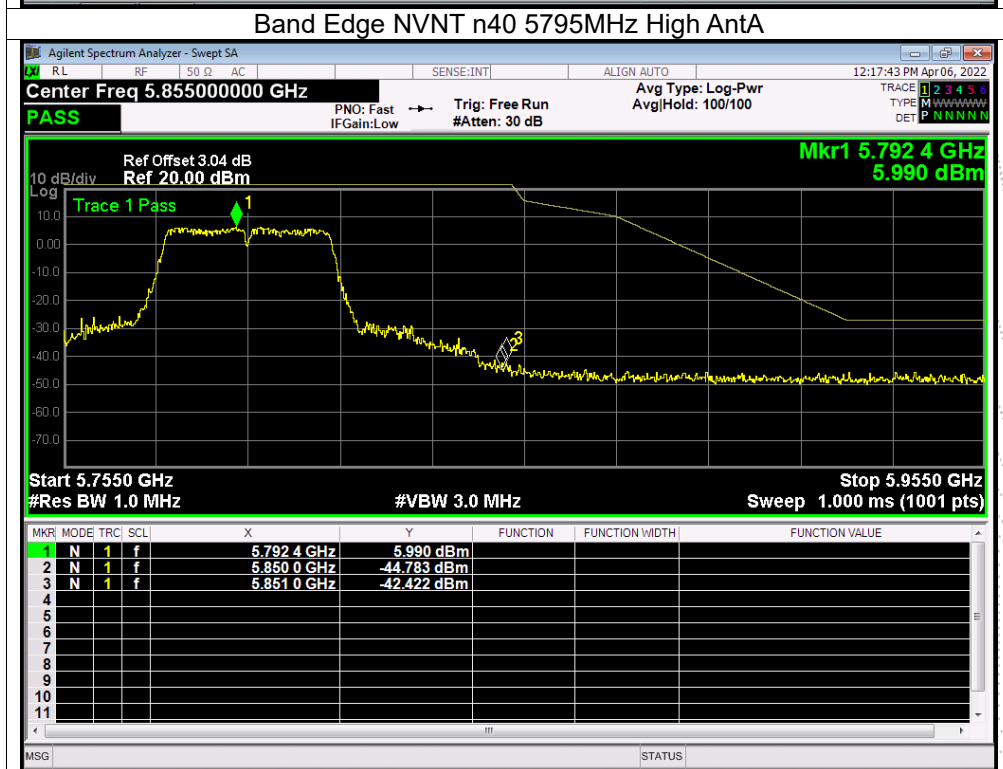
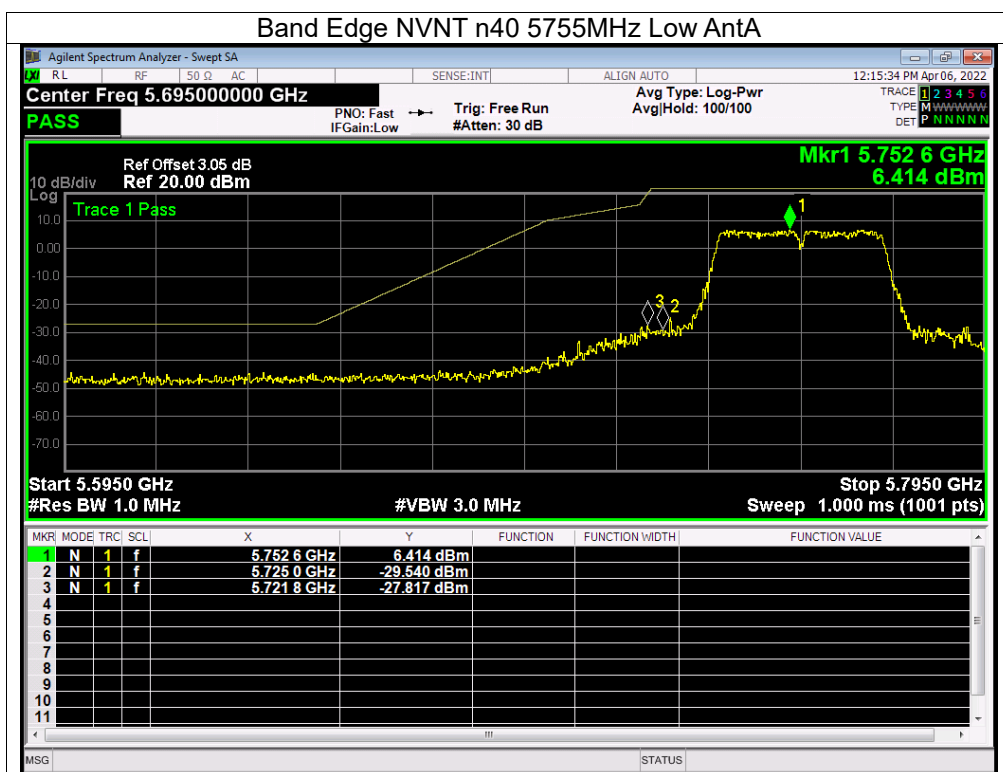


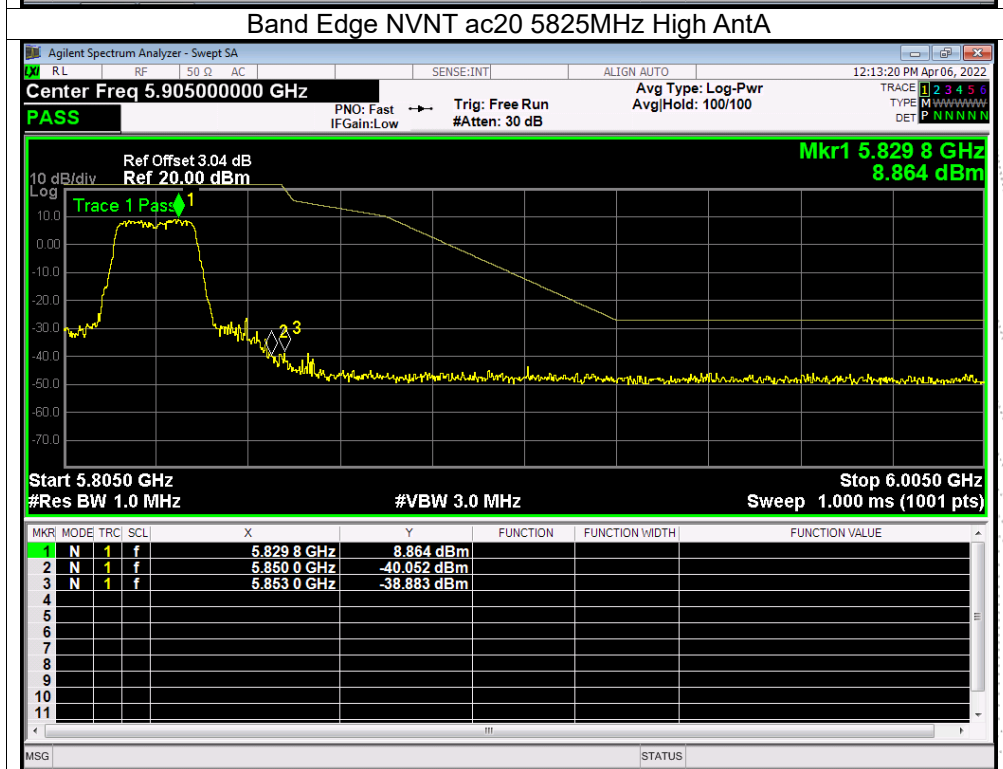
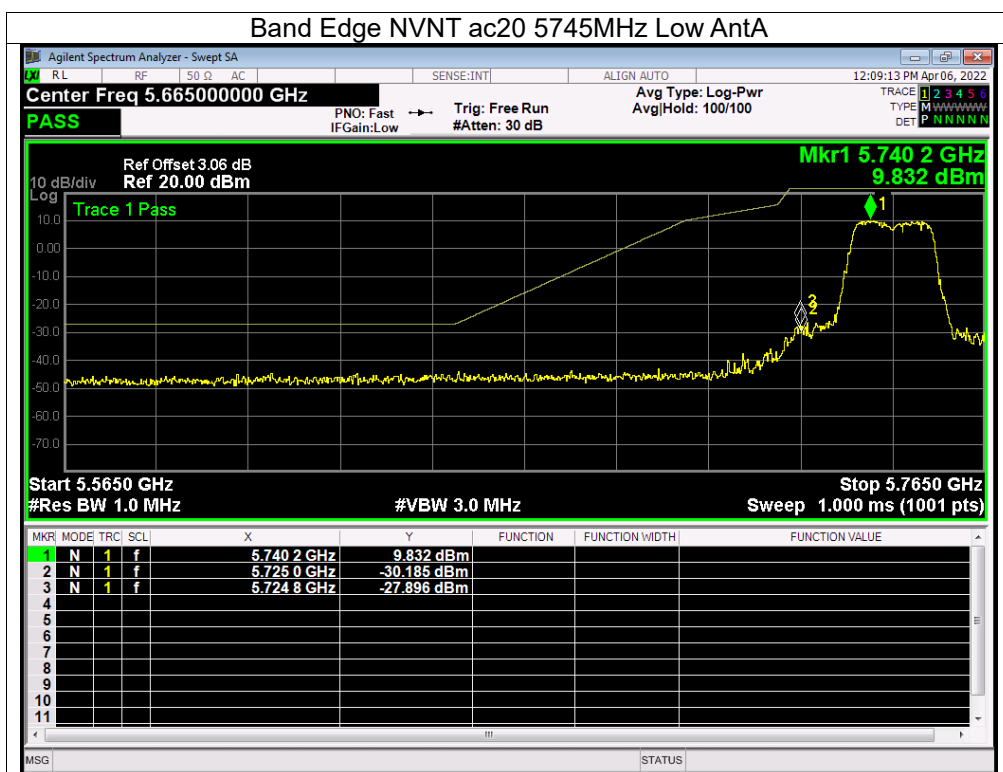


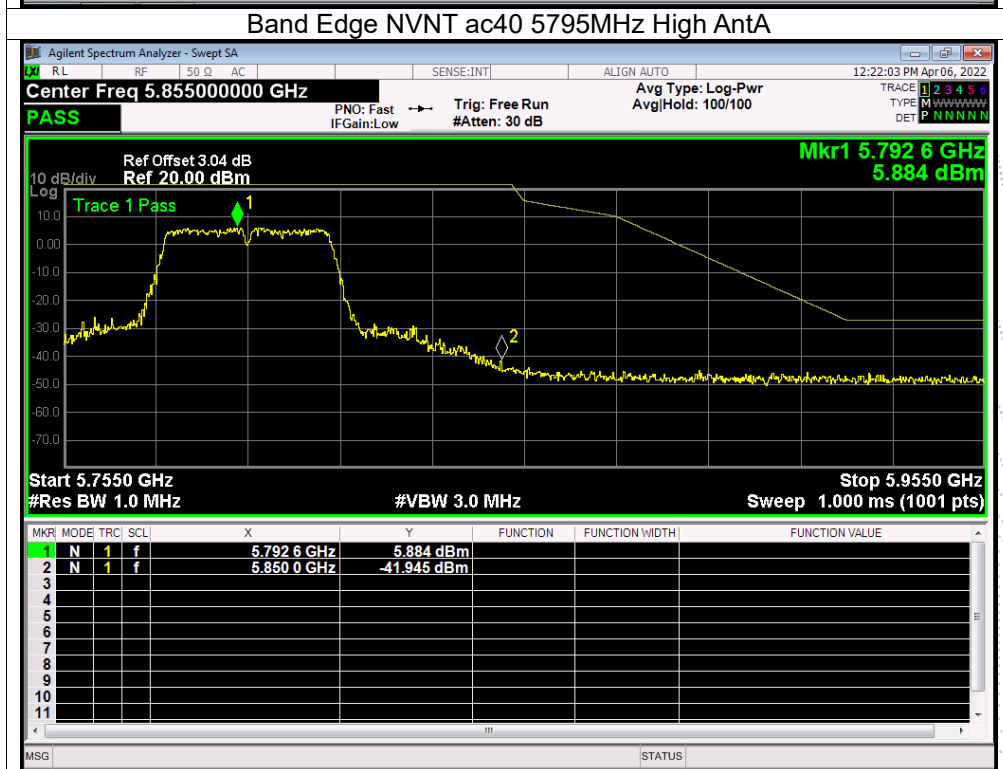
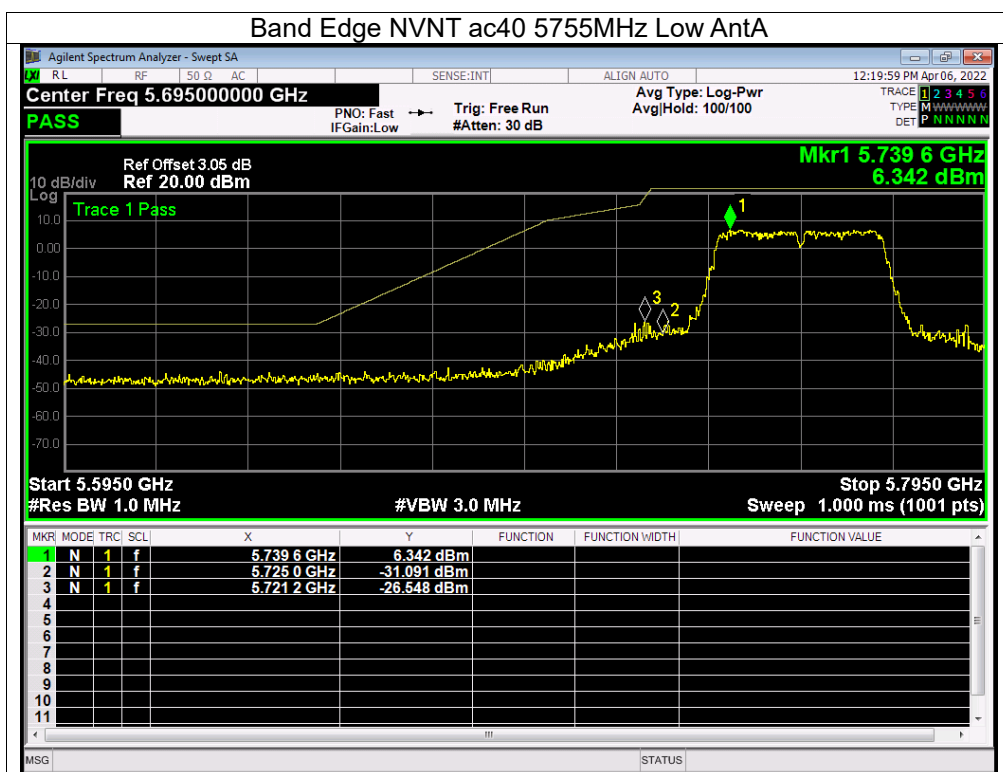
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A.
Antenna A: 5745-58250MHz

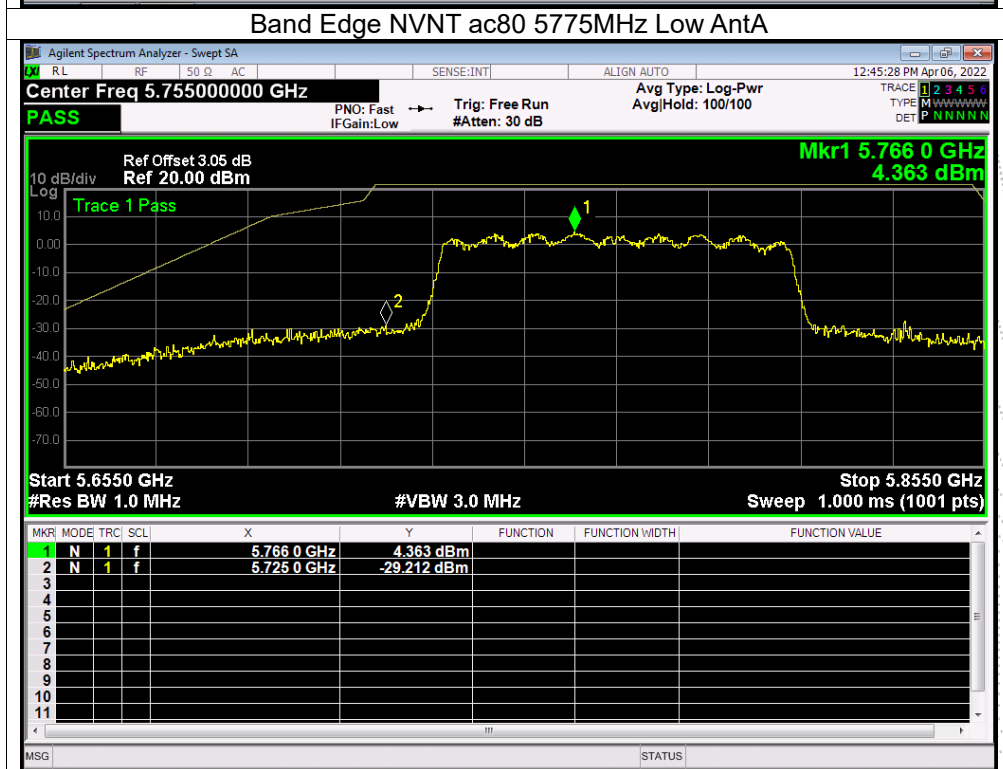
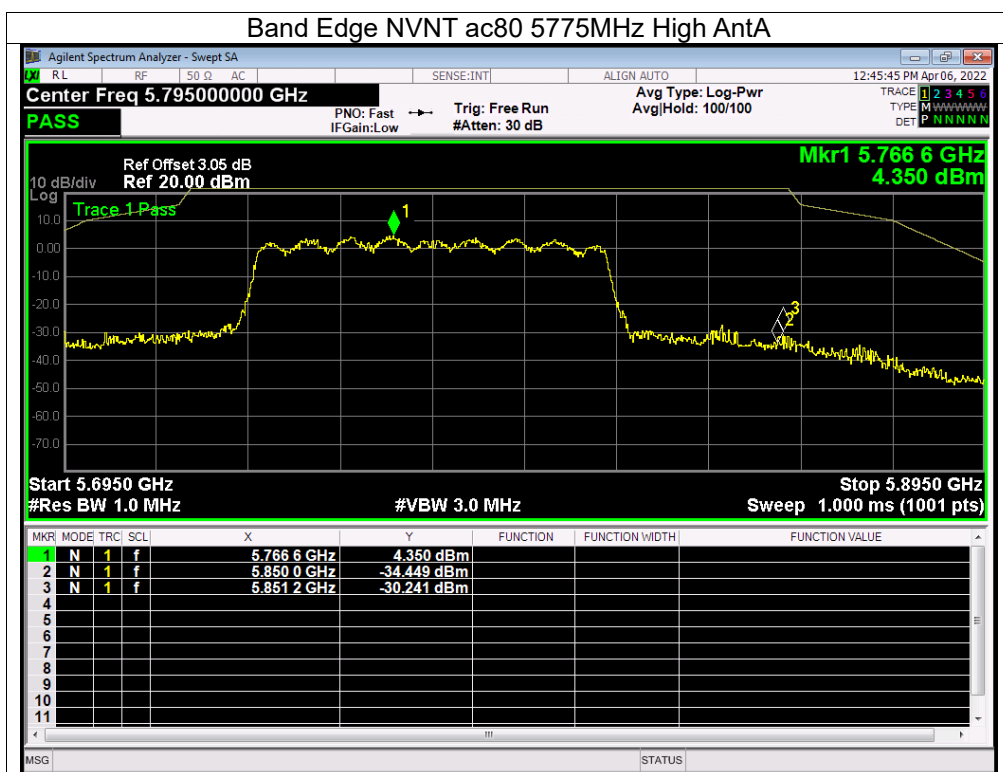












12. Spurious RF Conducted Emissions

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

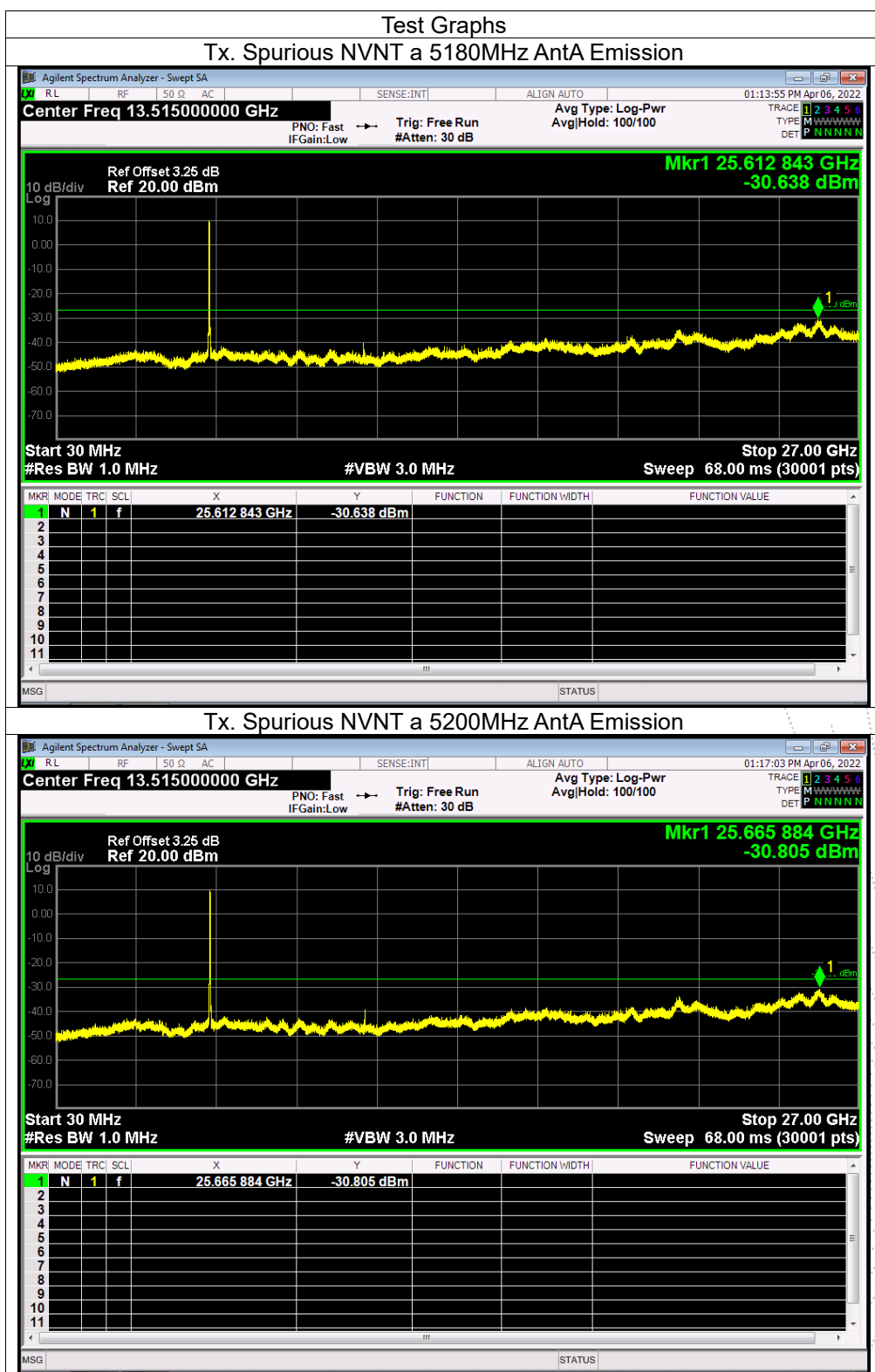
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then 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.

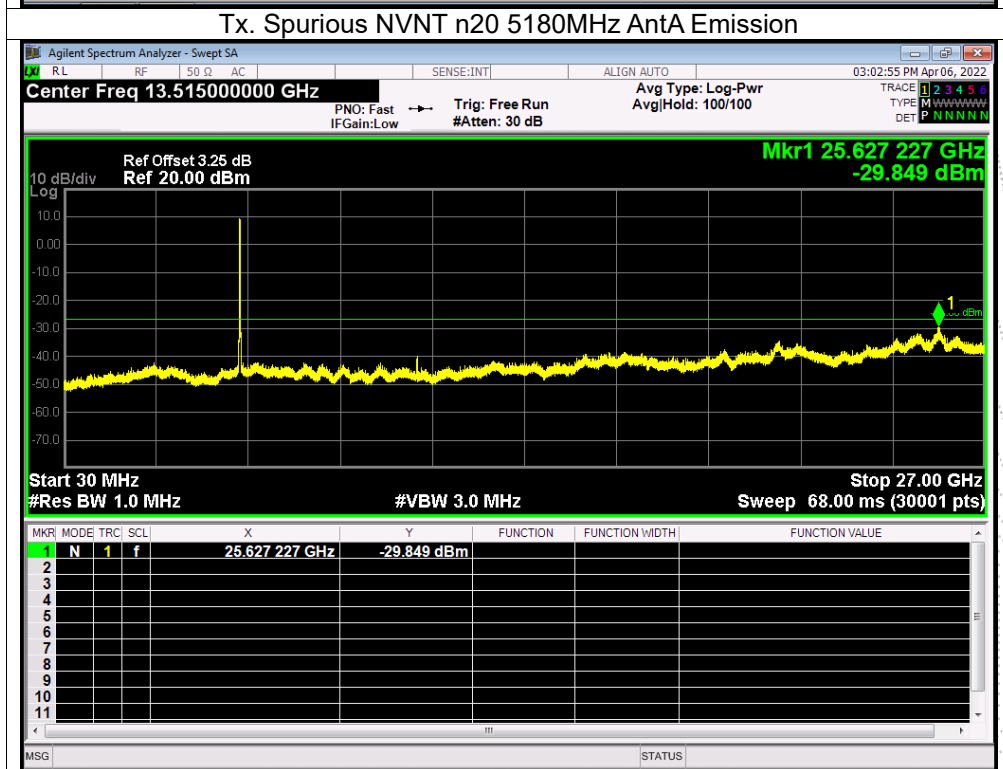
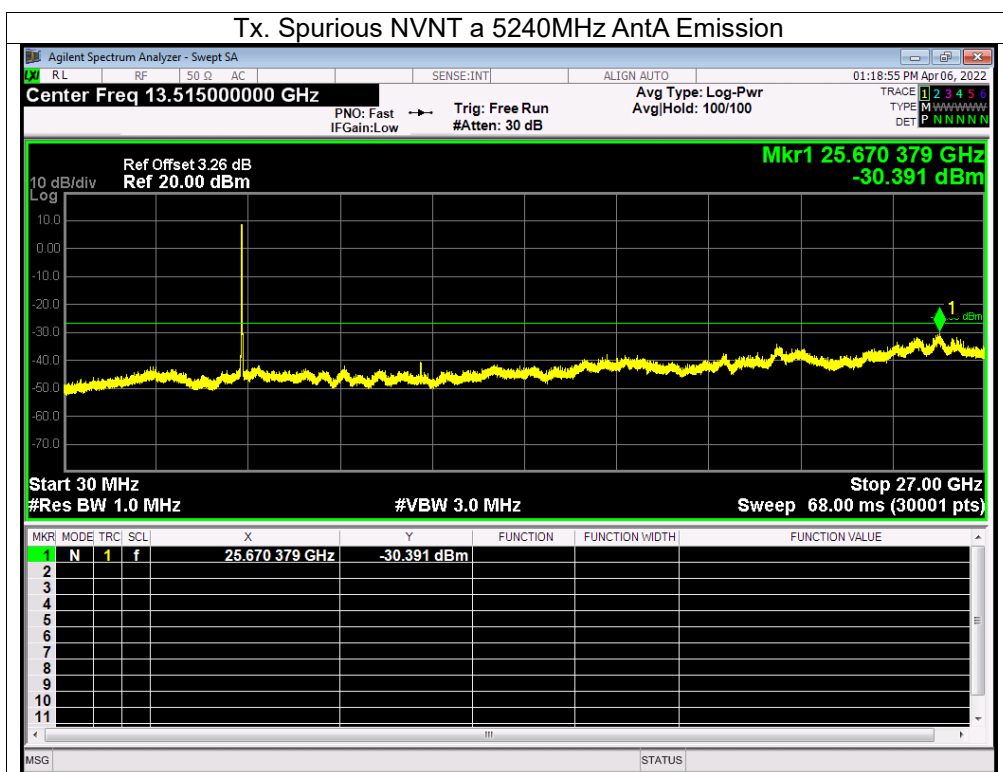
12.4 Test Result

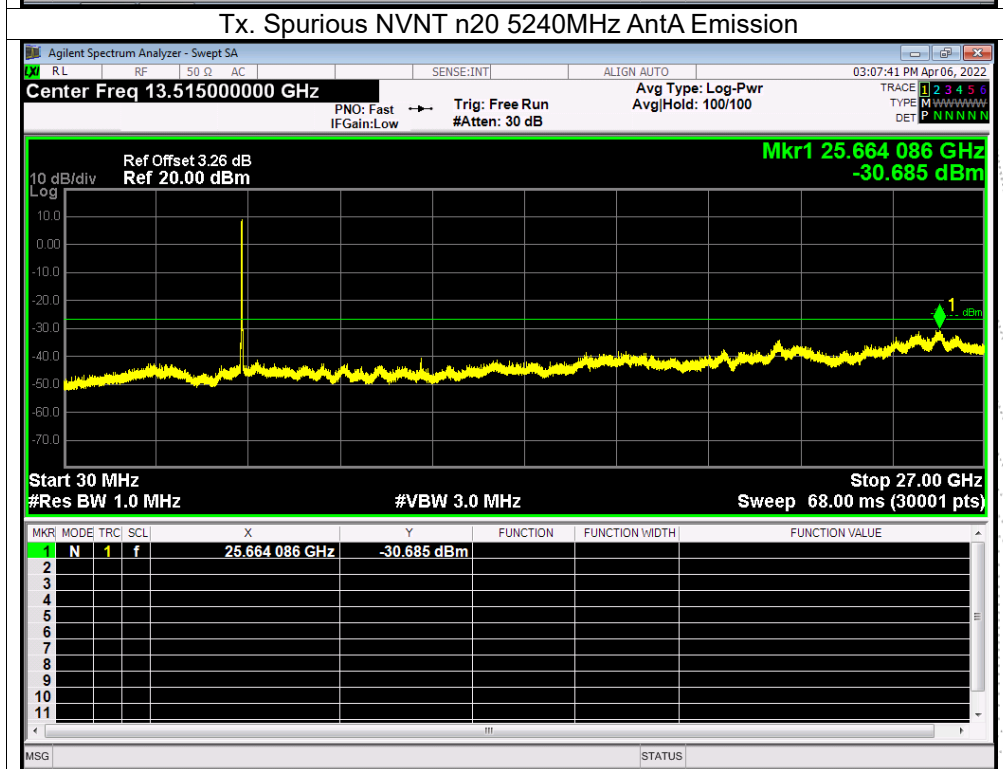
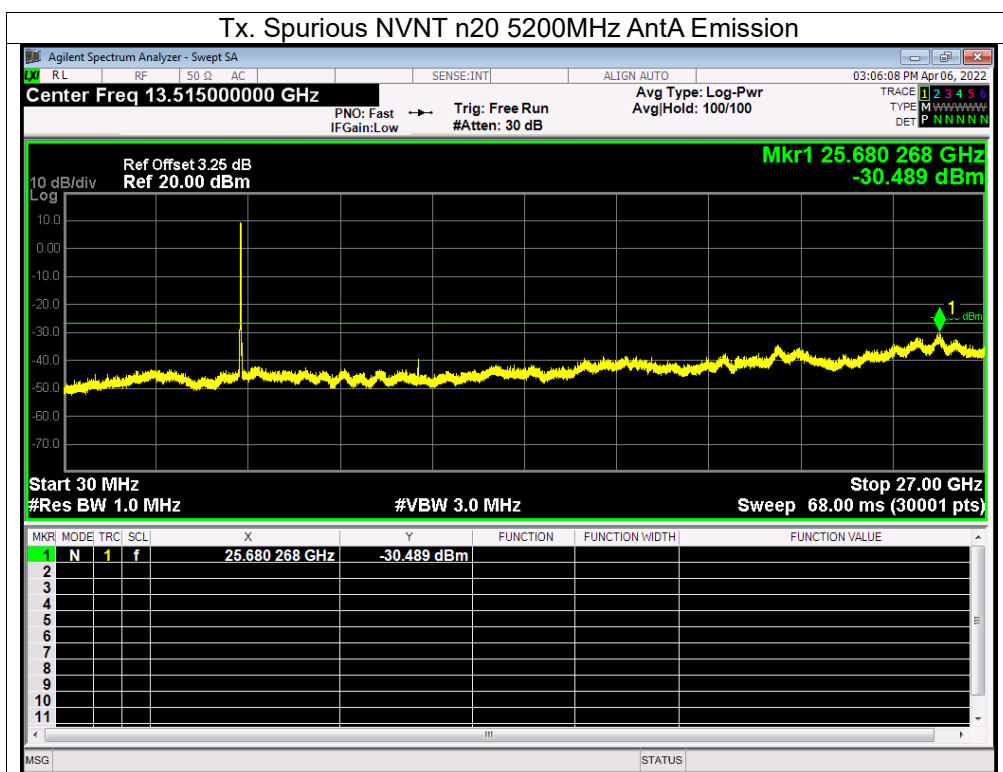
Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

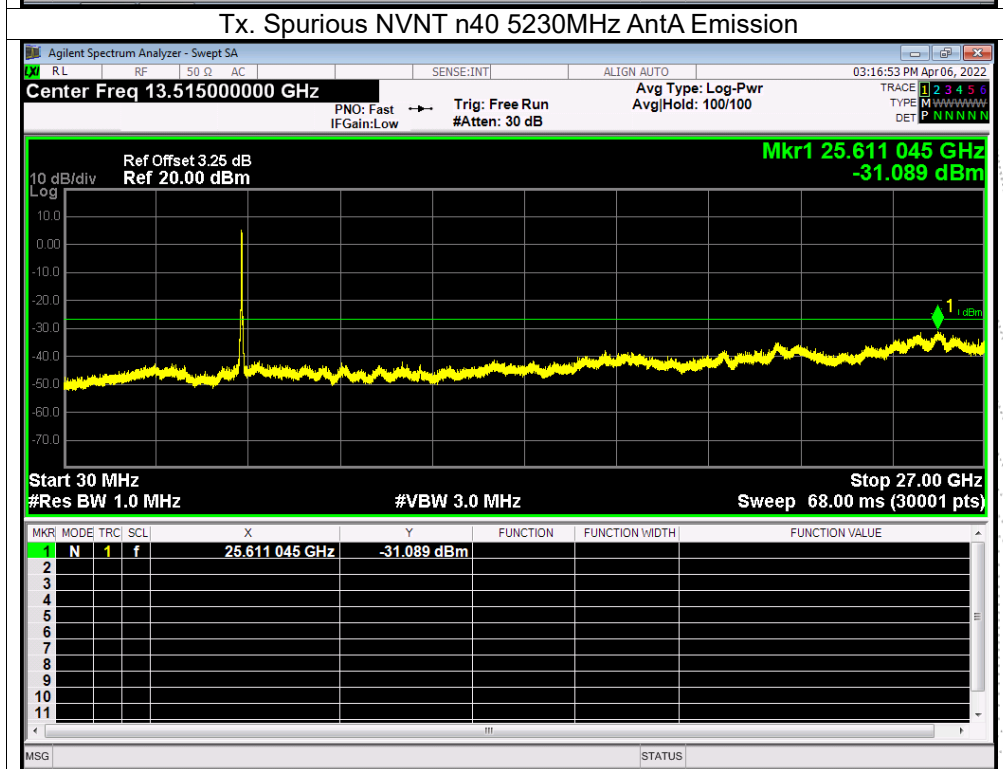
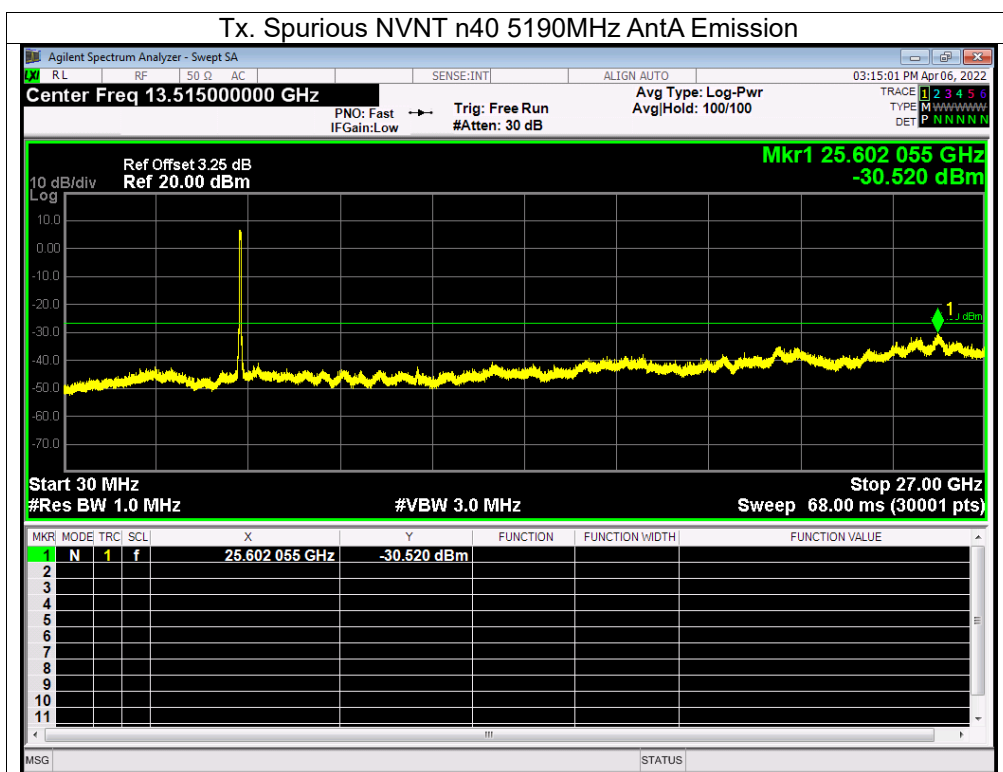
About: 26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

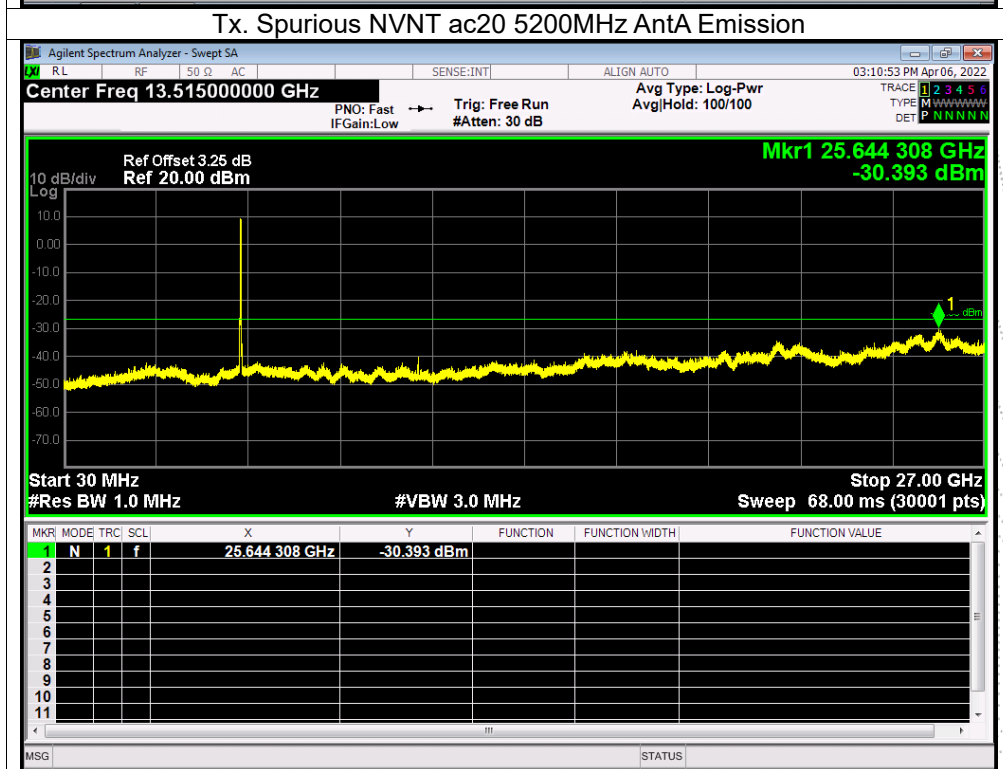
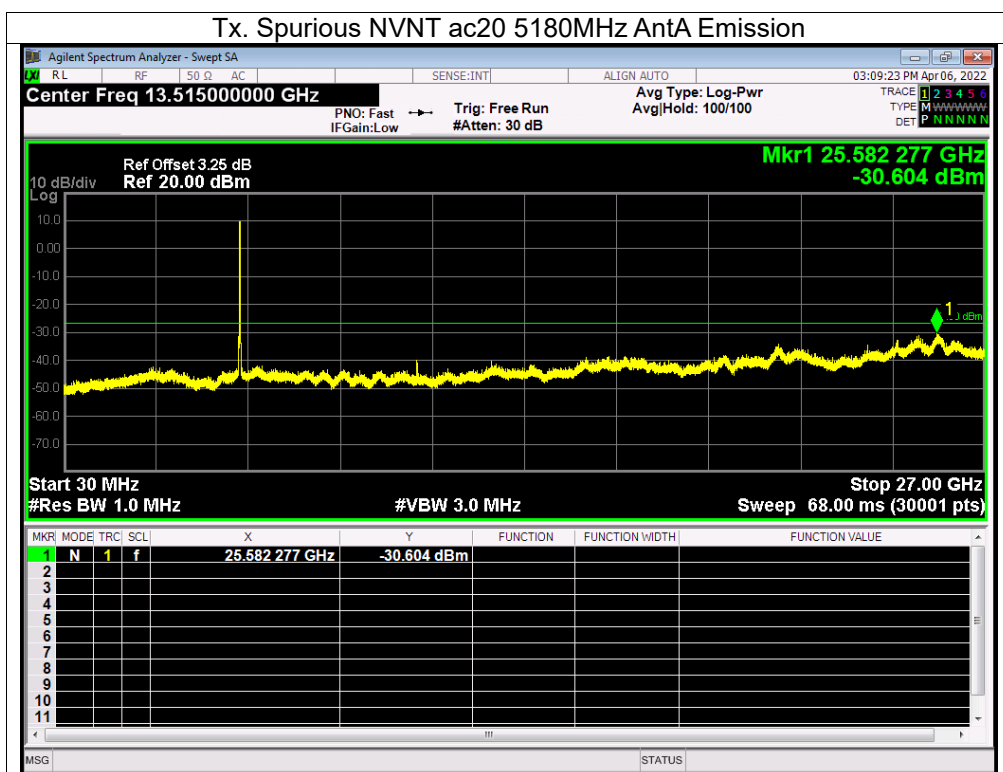
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A.
Plot. Antenna A: 5180-5240MHz

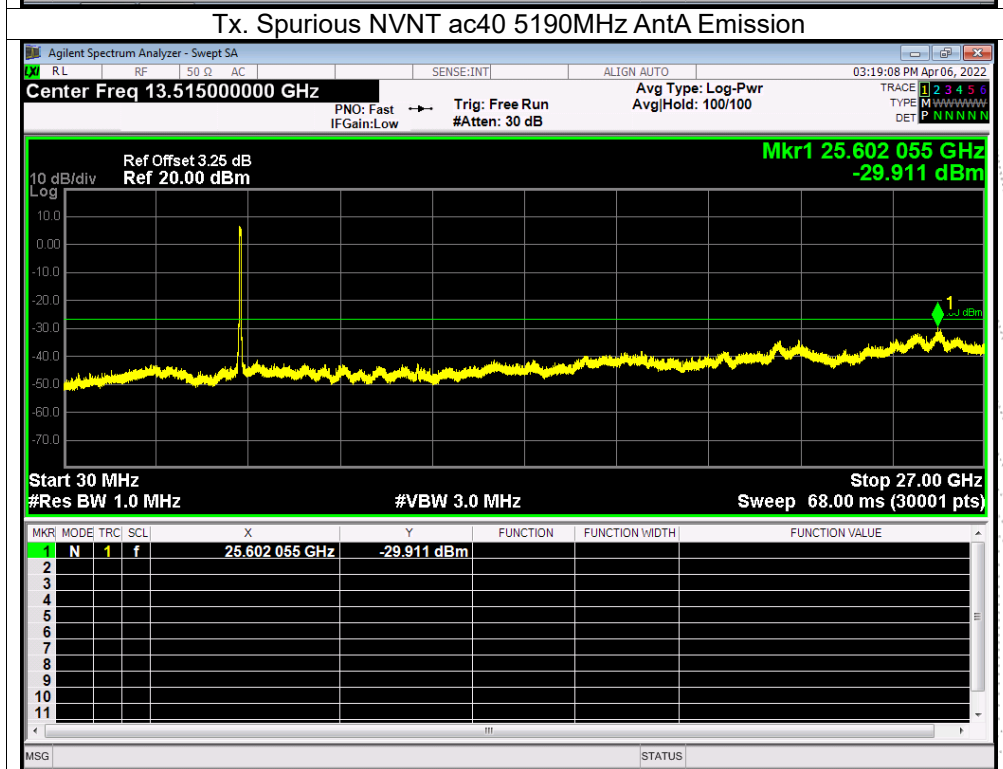
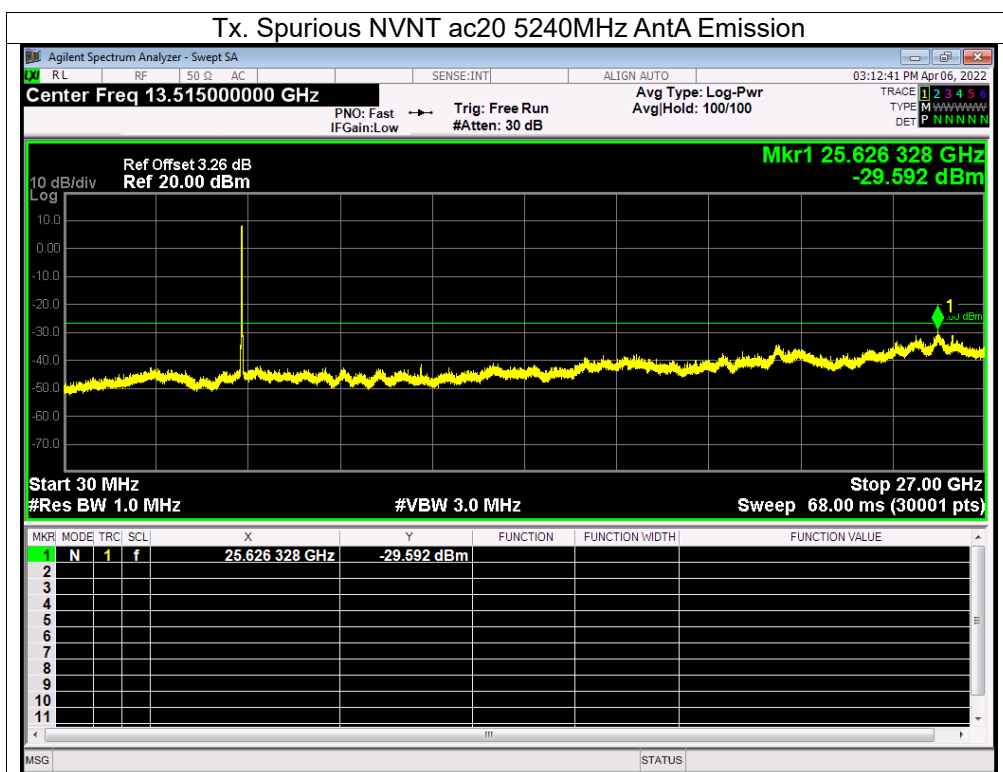


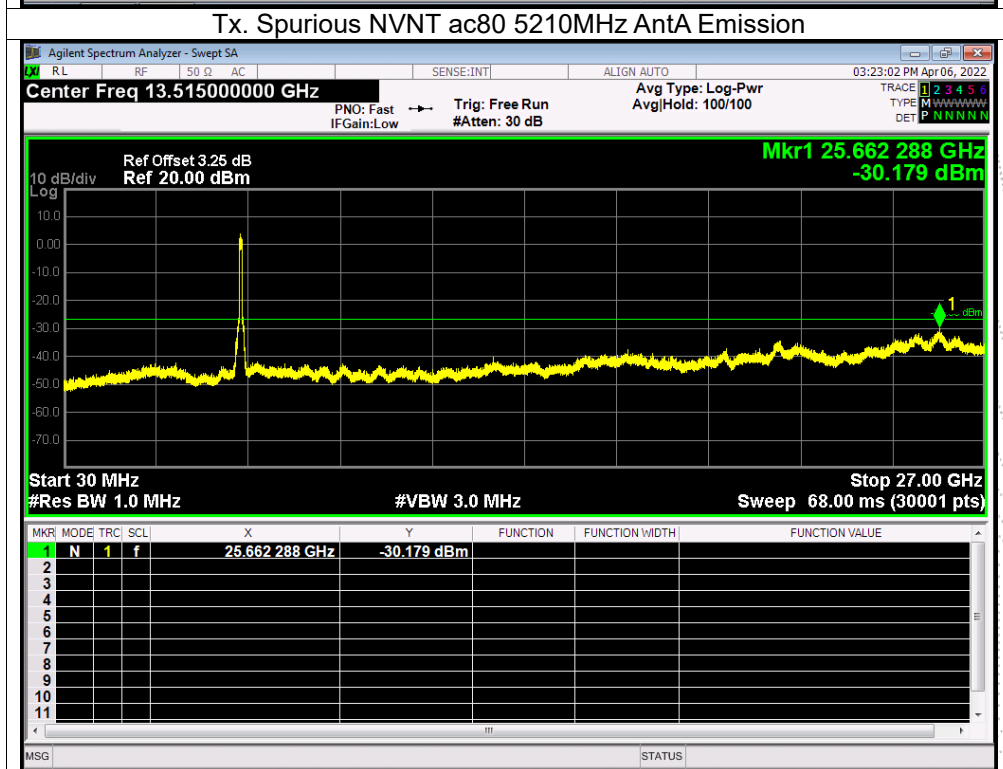
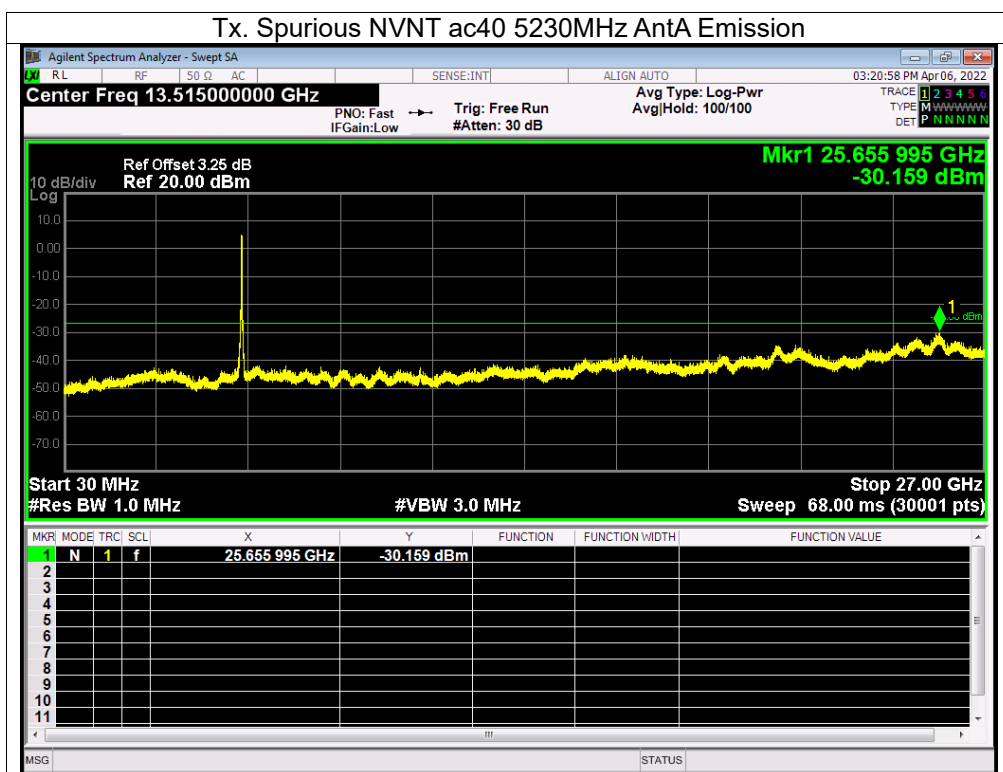




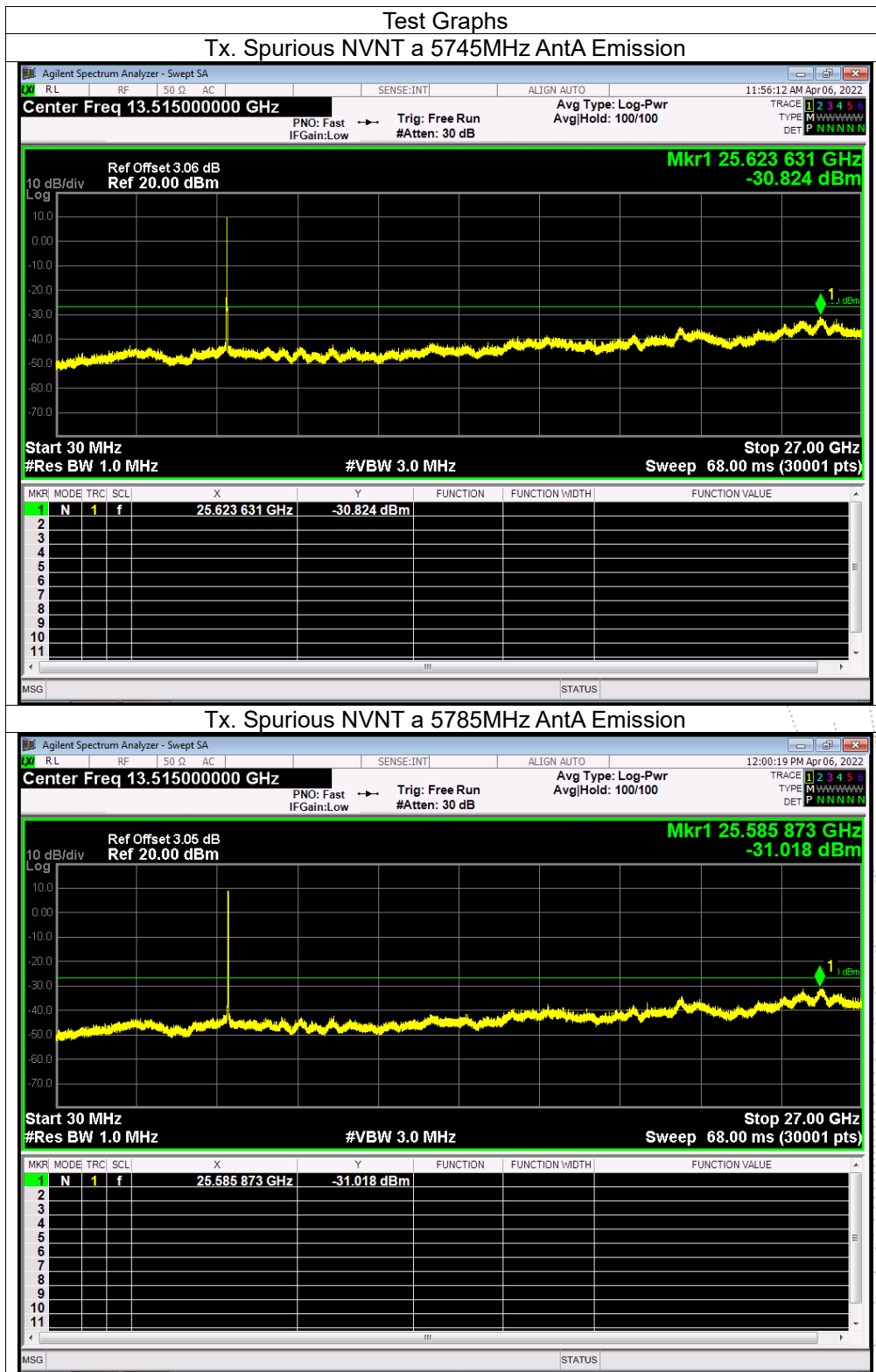


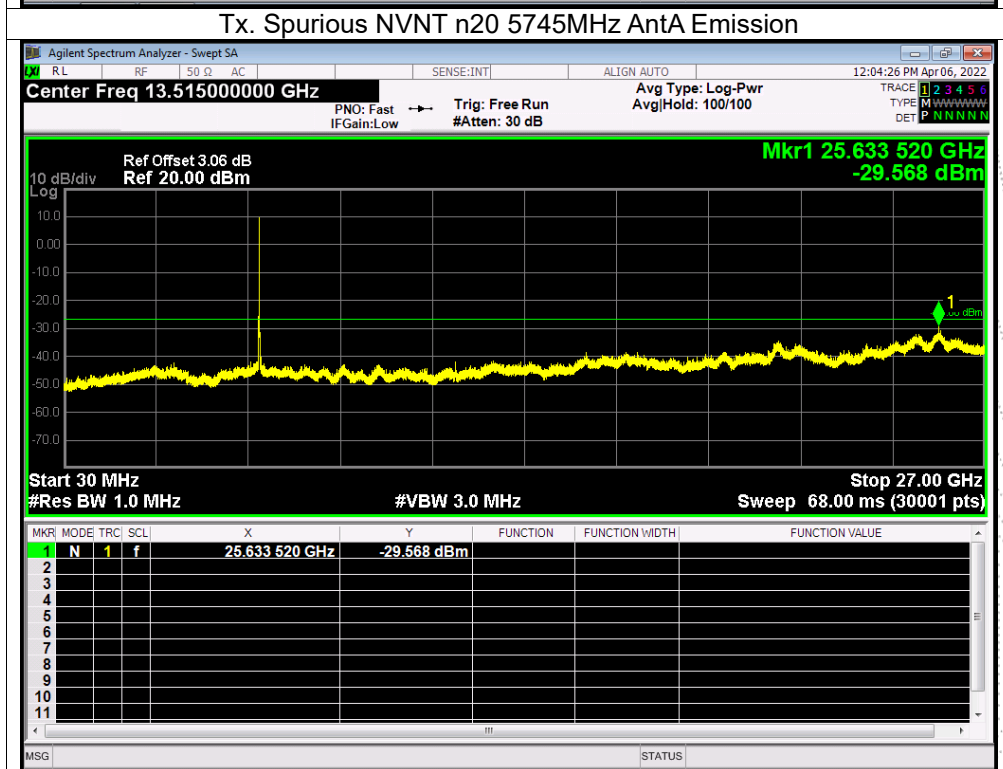
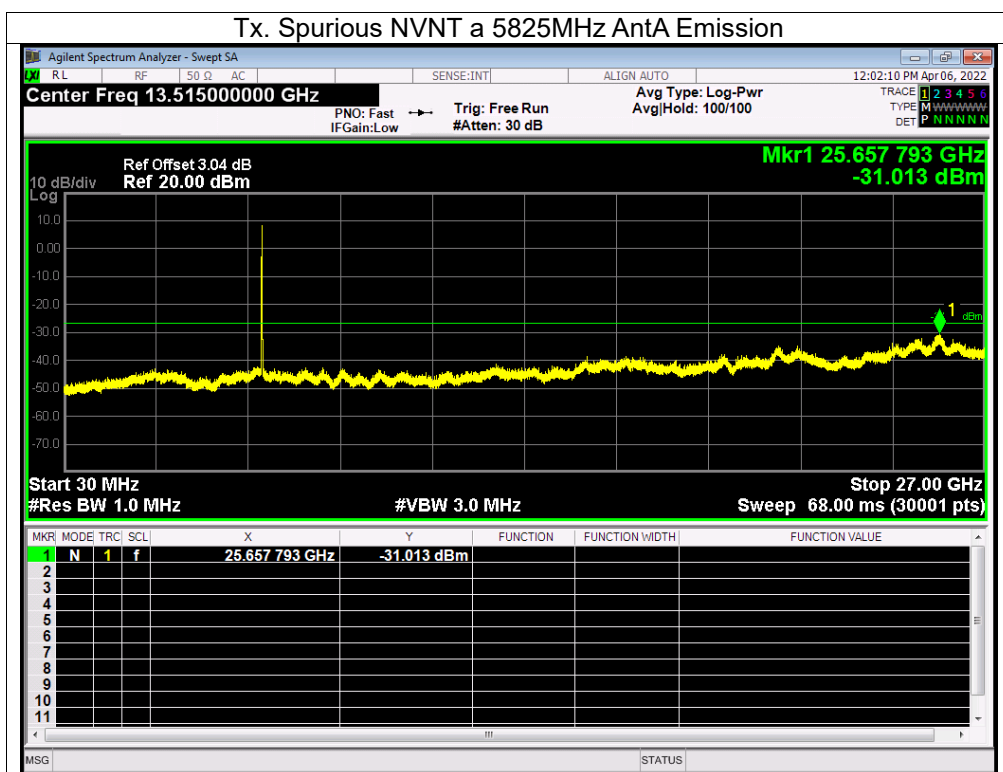


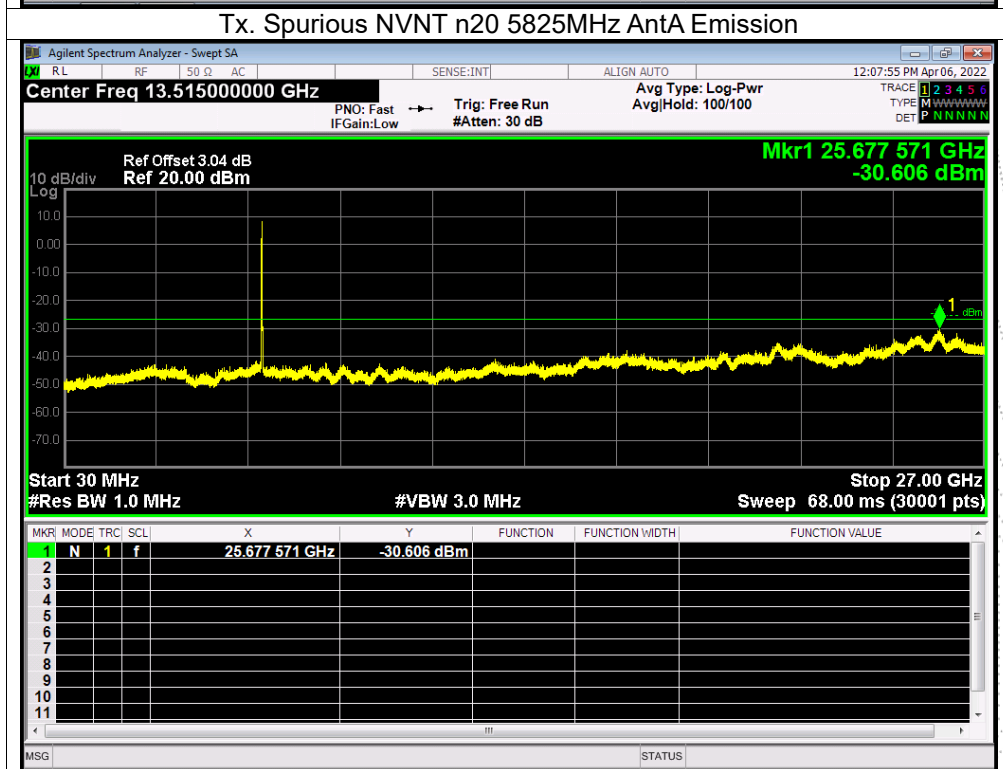
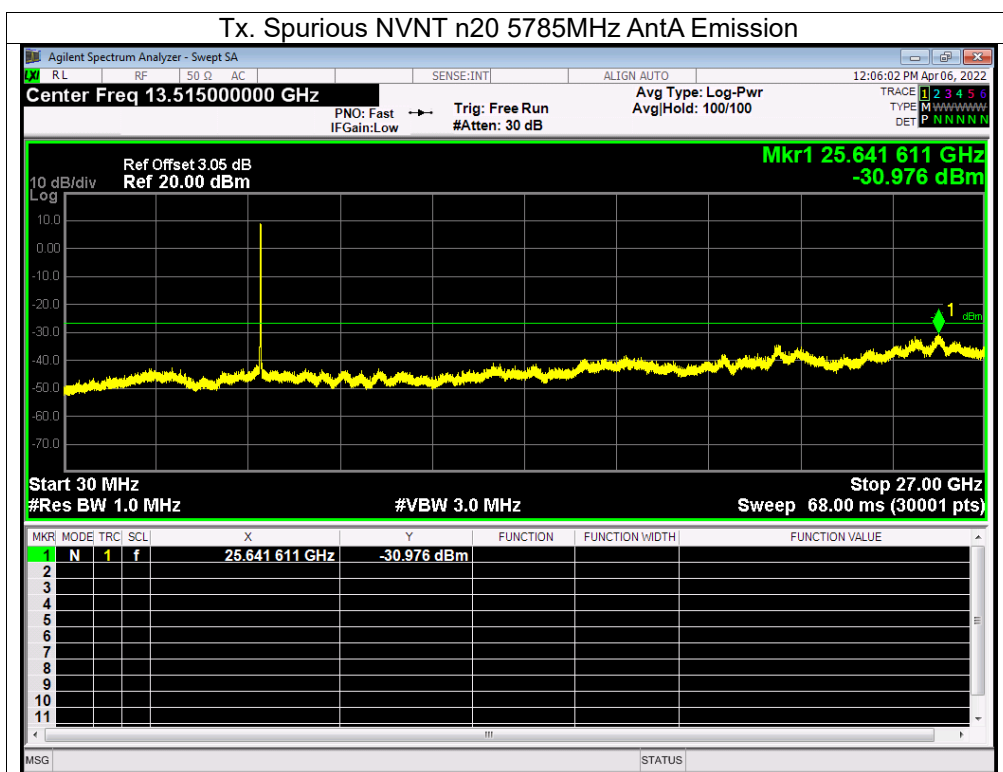


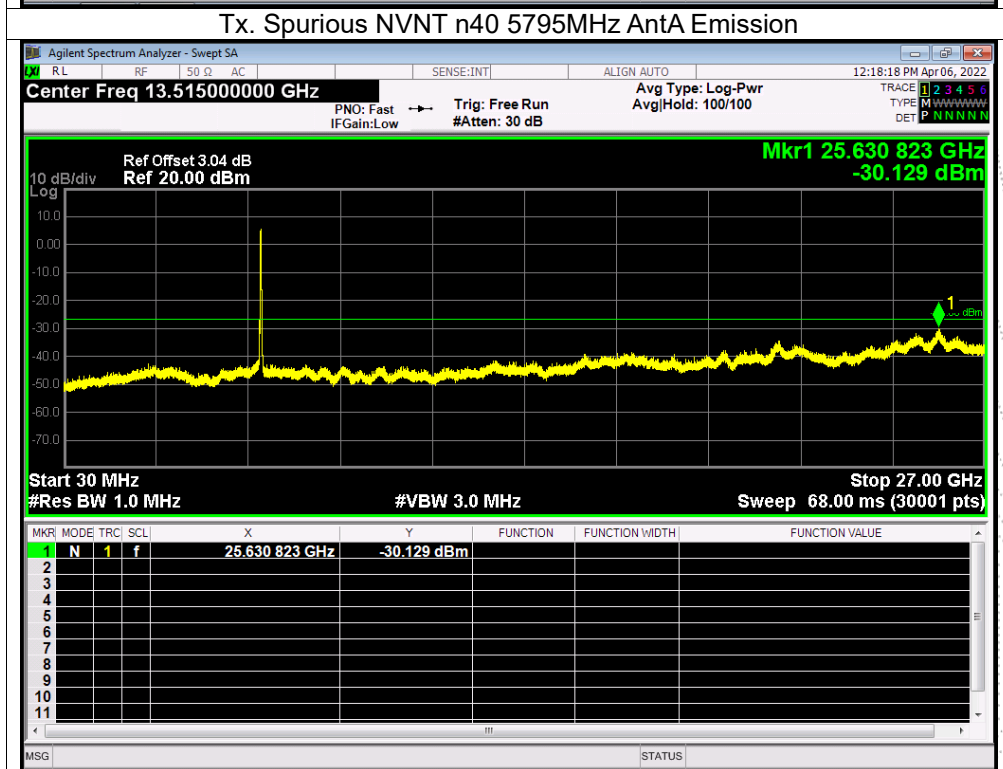
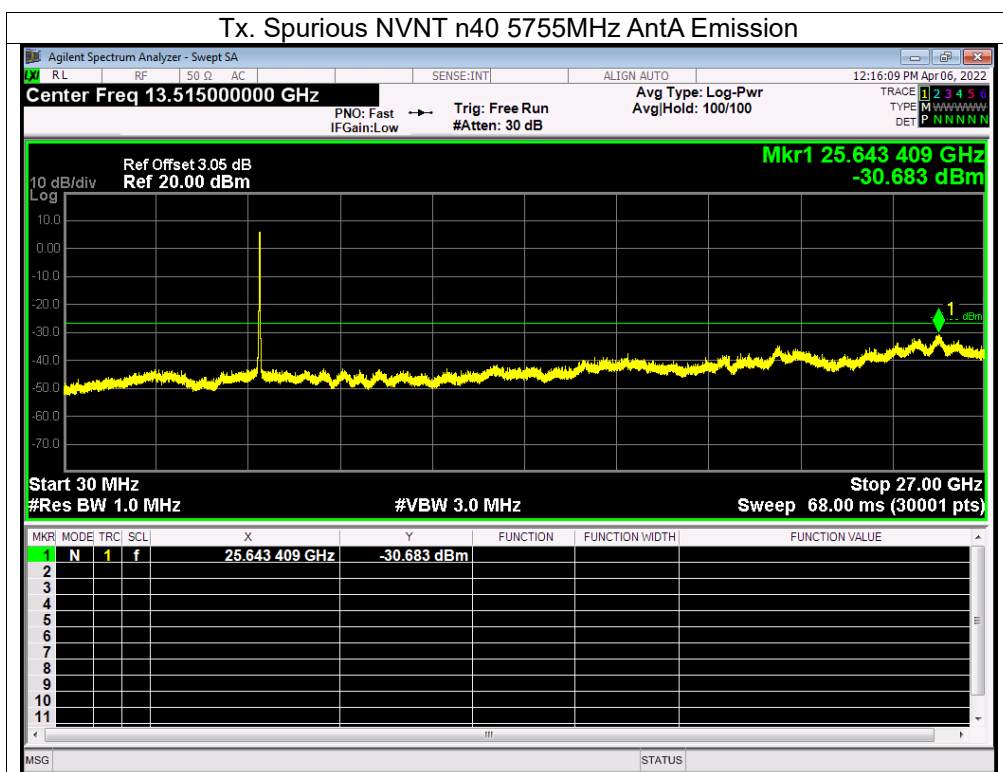


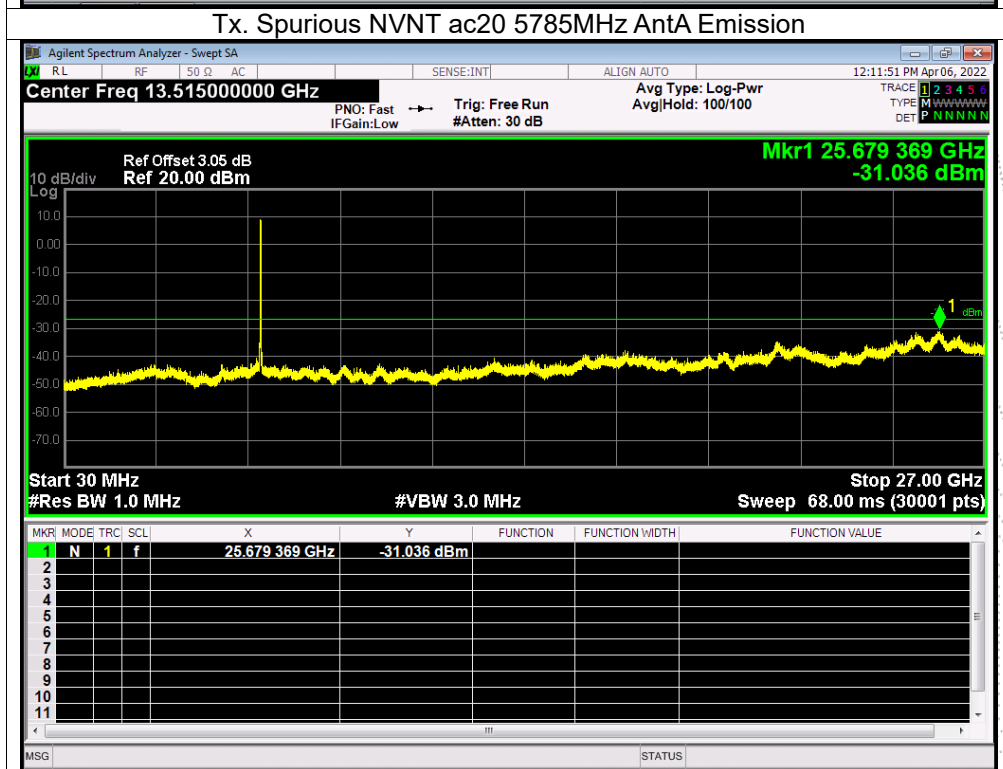
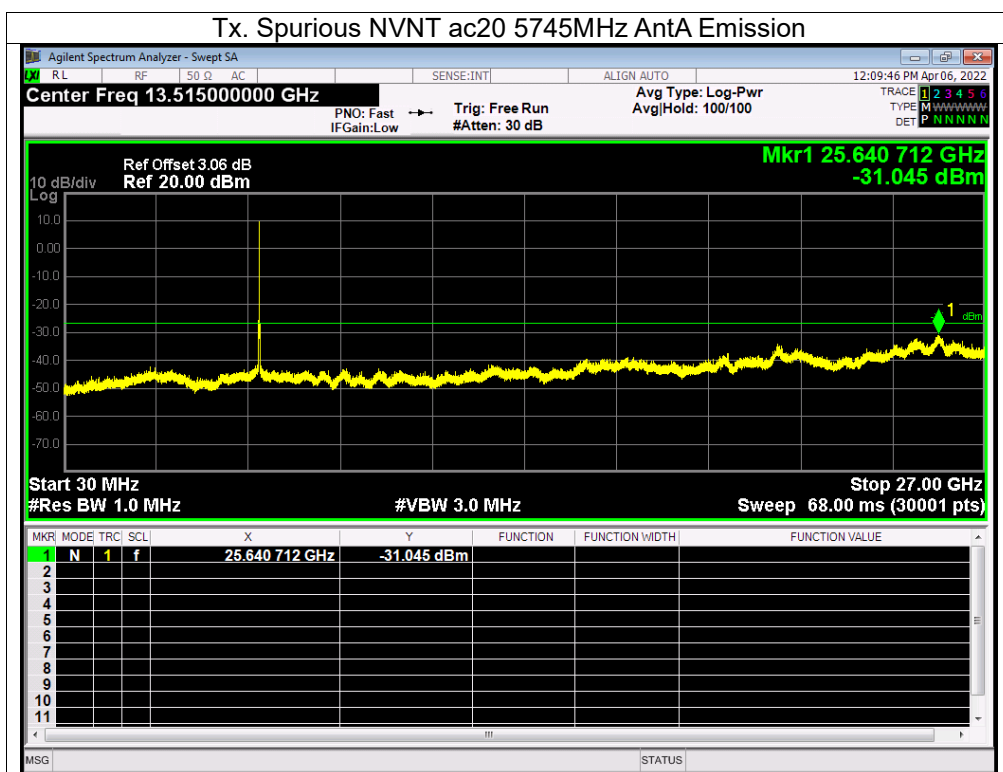
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A.
Antenna A: 5745-58250MHz

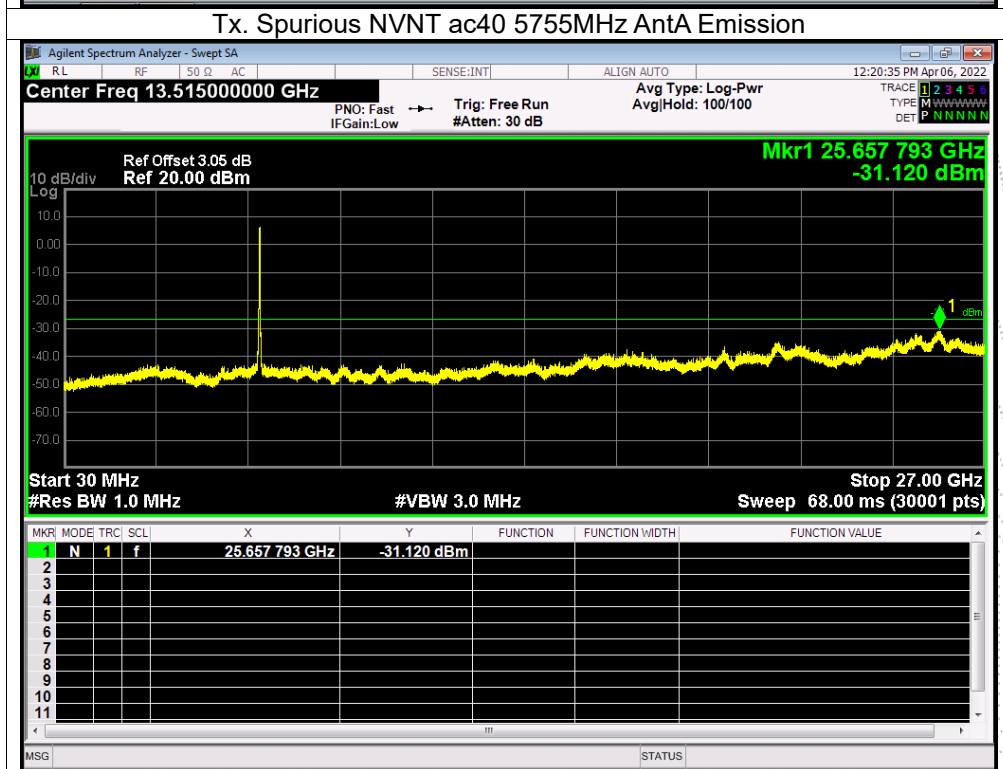
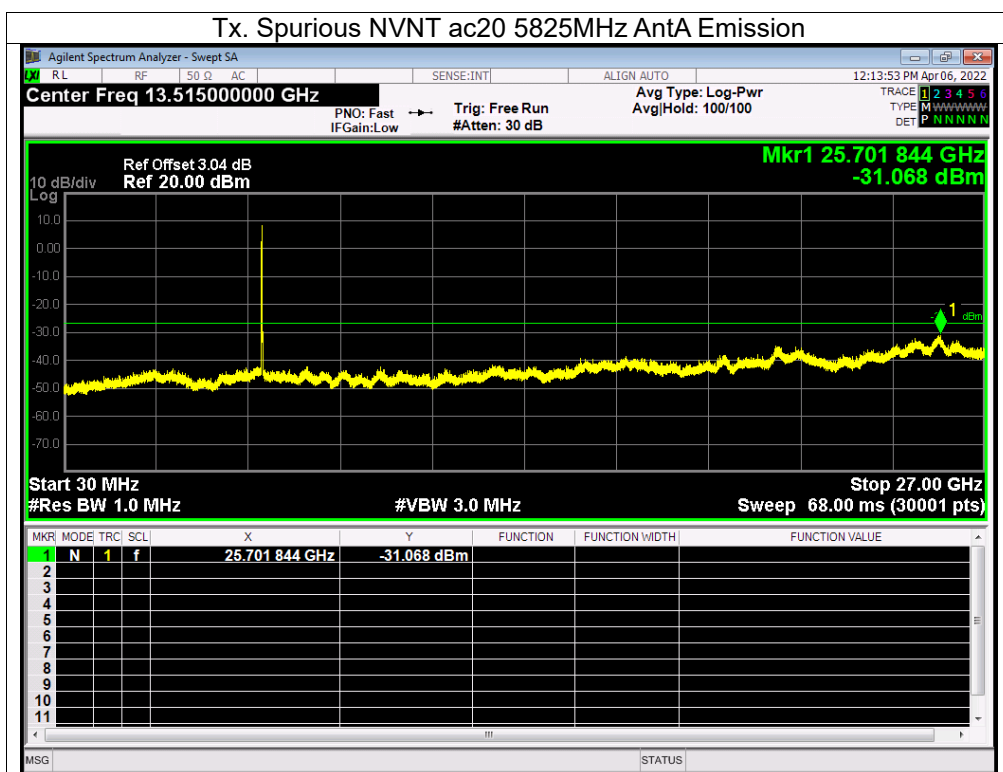


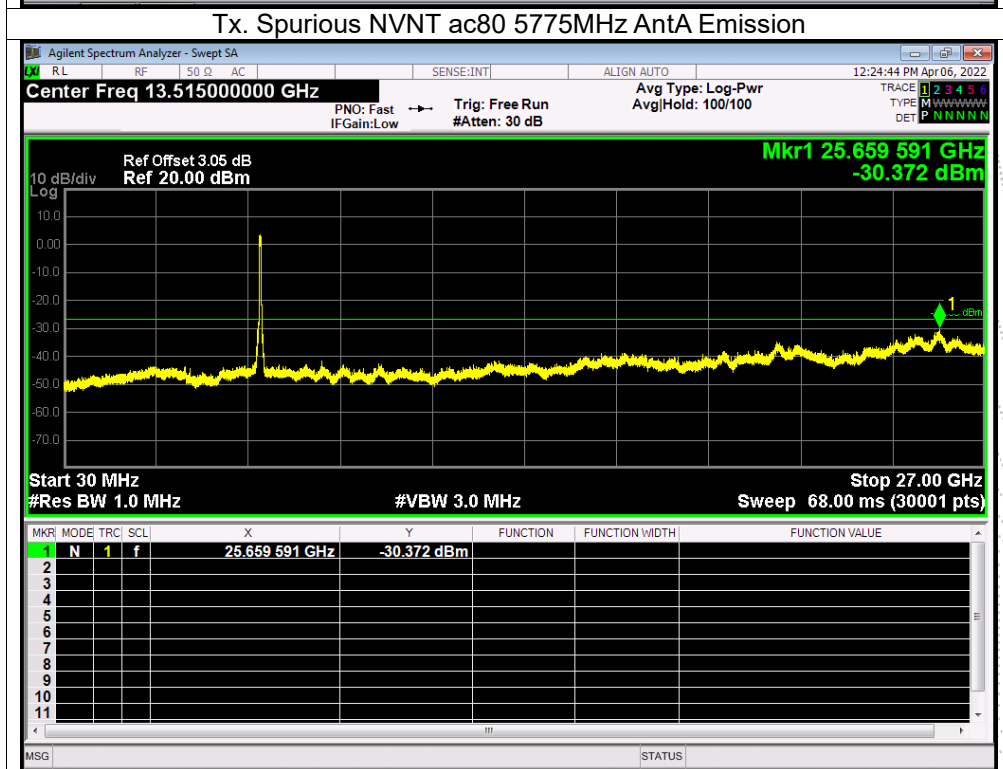
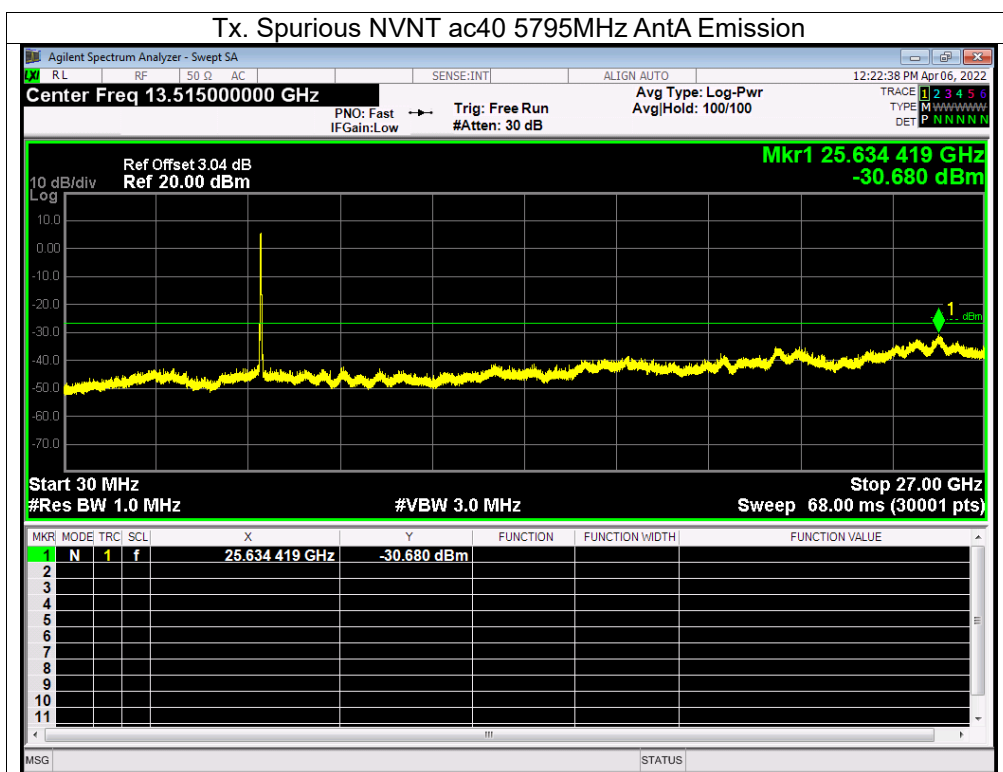












13. Frequency Stability Measurement

13.1 Block Diagram Of Test Setup



13.2 Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band (IEEE 802.11n specification)..

13.3 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and he limit is less than ± 20 ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is $-20^\circ\text{C} \sim 70^\circ\text{C}$.

13.4 Test Result

Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX Frequency U-NII-1 (5180-5240MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5180.0109	5180	0.0109	2.1110
		V max (V)	138.00	5180.0152	5180	0.0152	2.9290
		V min (V)	102.00	5180.0035	5180	0.0035	0.6687
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5180.0014	5180	0.0014	0.2760
		T (°C)	-10	5180.0015	5180	0.0015	0.2949
		T (°C)	0	5180.0095	5180	0.0095	1.8266
		T (°C)	10	5180.0030	5180	0.0030	0.5729
		T (°C)	20	5180.0102	5180	0.0102	1.9601
		T (°C)	30	5180.0047	5180	0.0047	0.9061
		T (°C)	40	5180.0010	5180	0.0010	0.1974
		T (°C)	50	5180.0017	5180	0.0017	0.3264
		T (°C)	60	5180.0074	5180	0.0074	1.4333
		T (°C)	70	5180.0121	5180	0.0121	2.3289
Limits				5150-5250 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5200.0049	5200	0.0049	0.9414
		V max (V)	138.00	5200.0122	5200	0.0122	2.3465
		V min (V)	102.00	5200.0007	5200	0.0007	0.1439
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5200MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5200.00448	5200	0.00448	0.8620
		T (°C)	-10	5200.00163	5200	0.00163	0.3128
		T (°C)	0	5200.01157	5200	0.01157	2.2256
		T (°C)	10	5200.00902	5200	0.00902	1.7347
		T (°C)	20	5200.00889	5200	0.00889	1.7097
		T (°C)	30	5200.00078	5200	0.00078	0.1495
		T (°C)	40	5200.00998	5200	0.00998	1.9199
		T (°C)	50	5200.00934	5200	0.00934	1.7958
		T (°C)	60	5200.00767	5200	0.00767	1.4753
		T (°C)	70	5200.01115	5200	0.01115	2.1449
Limits				5150-5250 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5240.0107	5240	0.0107	2.0390
		V max (V)	138.00	5240.0120	5240	0.0120	2.2882
		V min (V)	102.00	5240.0030	5240	0.0030	0.5699
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5240.0061	5240	0.0061	1.1656
		T (°C)	-10	5240.0082	5240	0.0082	1.5574
		T (°C)	0	5240.0105	5240	0.0105	2.0050
		T (°C)	10	5240.0054	5240	0.0054	1.0306
		T (°C)	20	5240.0025	5240	0.0025	0.4680
		T (°C)	30	5240.0122	5240	0.0122	2.3207
		T (°C)	40	5240.0073	5240	0.0073	1.3912
		T (°C)	50	5240.0034	5240	0.0034	0.6525
		T (°C)	60	5240.0091	5240	0.0091	1.7283
		T (°C)	70	5240.0040	5240	0.0040	0.7599
Limits				5150-5250 MHz			
Result				Complies			

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

Voltage vs. Frequency Stabilit

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5745.00476	5745	0.00476	0.8287
		V max (V)	138.00	5745.00255	5745	0.00255	0.4437
		V min (V)	102.00	5745.00222	5745	0.00222	0.3865
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5745.00534	5745	0.00534	0.9291
		T (°C)	-10	5745.01003	5745	0.01003	1.7450
		T (°C)	0	5745.01150	5745	0.01150	2.0011
		T (°C)	10	5745.00572	5745	0.00572	0.9952
		T (°C)	20	5745.00249	5745	0.00249	0.4336
		T (°C)	30	5745.00282	5745	0.00282	0.4914
		T (°C)	40	5745.00207	5745	0.00207	0.3610
		T (°C)	50	5745.00755	5745	0.00755	1.3135
		T (°C)	60	5745.00106	5745	0.00106	0.1844
		T (°C)	70	5745.00022	5745	0.00022	0.0386
Limits				5725-5850 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5785.01208	5785	0.01208	2.0877
		V max (V)	138.00	5785.00059	5785	0.00059	0.1016
		V min (V)	102.00	5785.00456	5785	0.00456	0.7879
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5785.01109	5785	0.01109	1.9169
		T (°C)	-10	5785.00980	5785	0.00980	1.6943
		T (°C)	0	5785.00743	5785	0.00743	1.2847
		T (°C)	10	5785.00317	5785	0.00317	0.5472
		T (°C)	20	5785.00796	5785	0.00796	1.3767
		T (°C)	30	5785.01326	5785	0.01326	2.2925
		T (°C)	40	5785.00569	5785	0.00569	0.9840
		T (°C)	50	5785.00772	5785	0.00772	1.3347
		T (°C)	60	5785.00537	5785	0.00537	0.9277
		T (°C)	70	5785.00594	5785	0.00594	1.0261
Limits				5725-5850 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5825.00035	5825	0.00035	0.0597
		V max (V)	138.00	5825.01063	5825	0.01063	1.8249
		V min (V)	102.00	5825.00420	5825	0.00420	0.7212
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5825MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5825.00392	5825	0.00392	0.6729
		T (°C)	-10	5825.01131	5825	0.01131	1.9410
		T (°C)	0	5825.01083	5825	0.01083	1.8597
		T (°C)	10	5825.00479	5825	0.00479	0.8226
		T (°C)	20	5825.00360	5825	0.00360	0.6185
		T (°C)	30	5825.00684	5825	0.00684	1.1746
		T (°C)	40	5825.01067	5825	0.01067	1.8324
		T (°C)	50	5825.00200	5825	0.00200	0.3426
		T (°C)	60	5825.01342	5825	0.01342	2.3033
		T (°C)	70	5825.00178	5825	0.00178	0.3047
Limits				5725-5850 MHz			
Result				Complies			

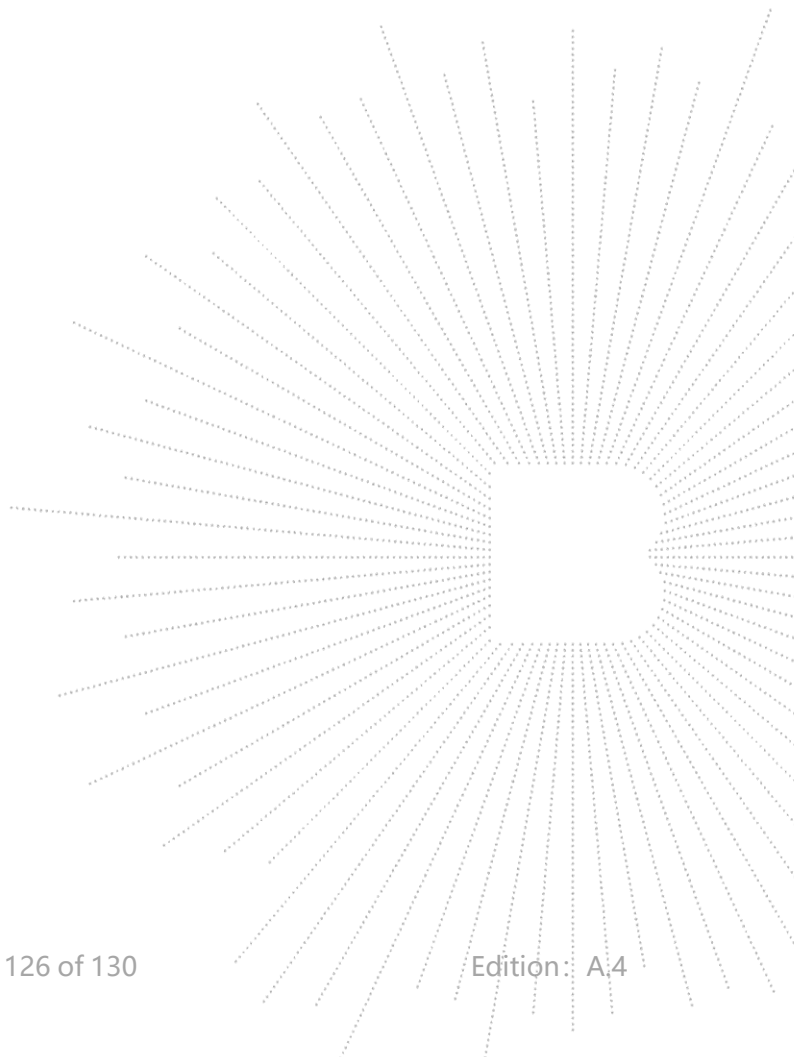
14. Antenna Requirement

14.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

14.2 Test Result

The EUT antenna is Internal antenna (antenna gain (A): 2Bi; antenna gain (B) : 2Bi). It comply with the standard requirement.



15. EUT Photographs

EUT Photo

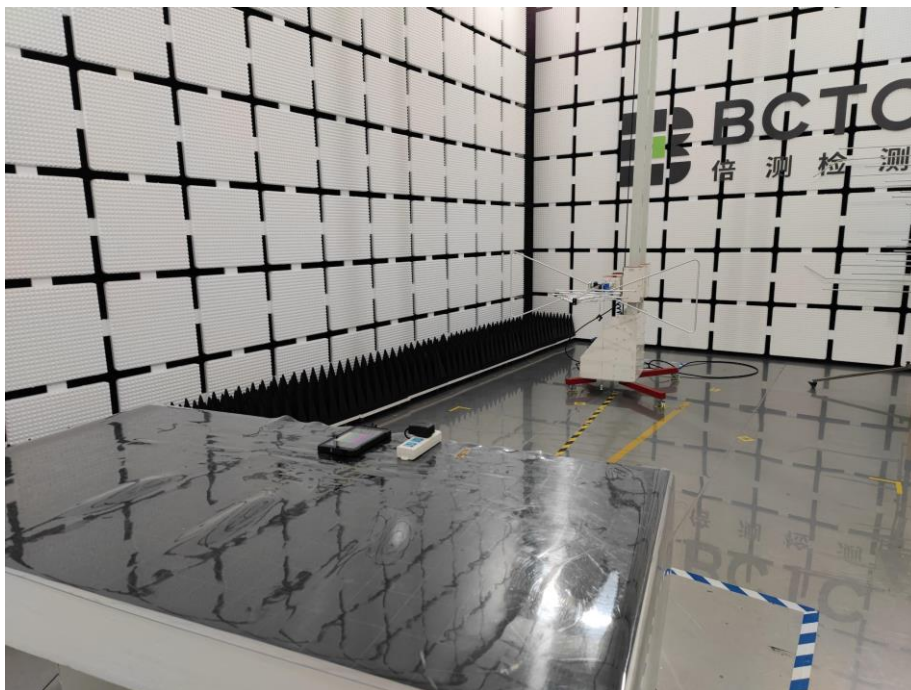


NOTE: Appendix-Photographs Of EUT Constructional Details

16. EUT Test Setup Photographs

Conducted Emissions





STATEMENT

- 1.The equipment lists are traceable to the national reference standards.
- 2.The test report can not be partially copied unless prior written approval is issued from our lab.
- 3.The test report is invalid without stamp of laboratory.
- 4.The test report is invalid without signature of person(s) testing and authorizing.
- 5.The test process and test result is only related to the Unit Under Test.
- 6.The quality system of our laboratory is in accordance with ISO/IEC17025.
- 7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website: <http://www.chnbctc.com>

E-Mail: bctc@bctc-lab.com.cn

***** END *****