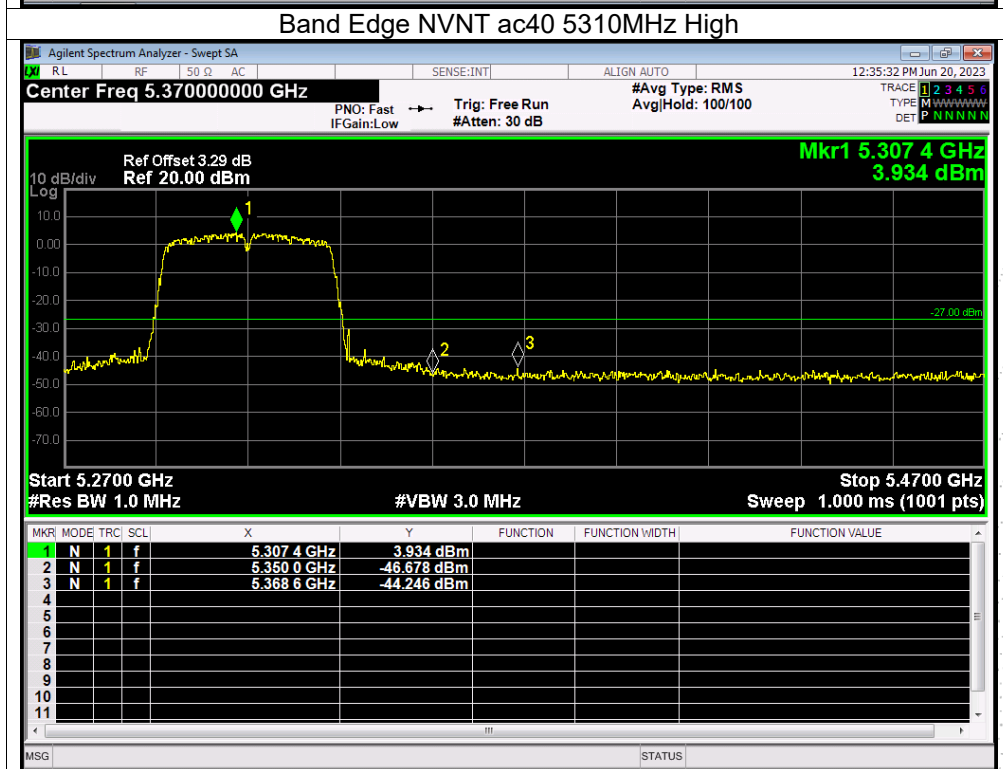
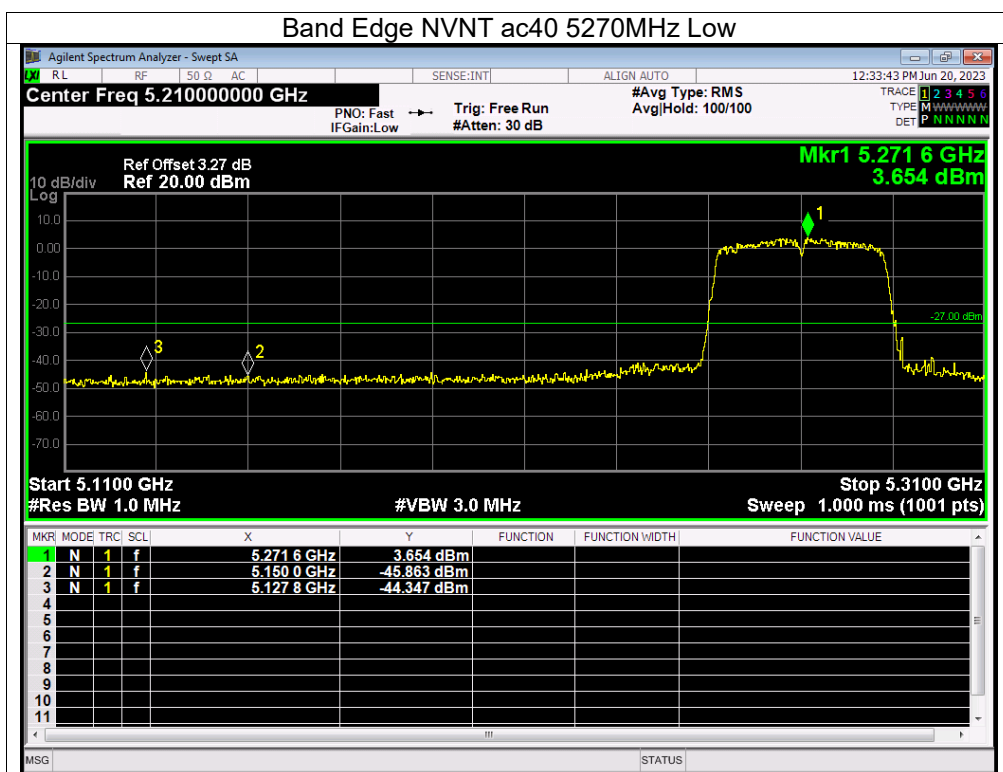
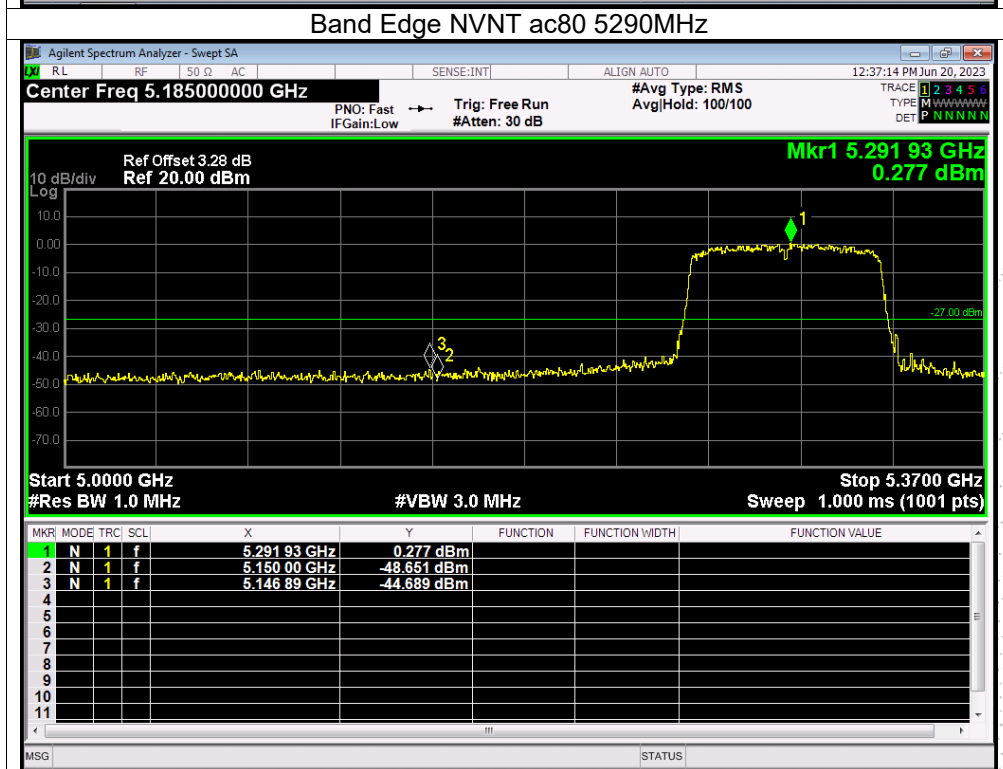
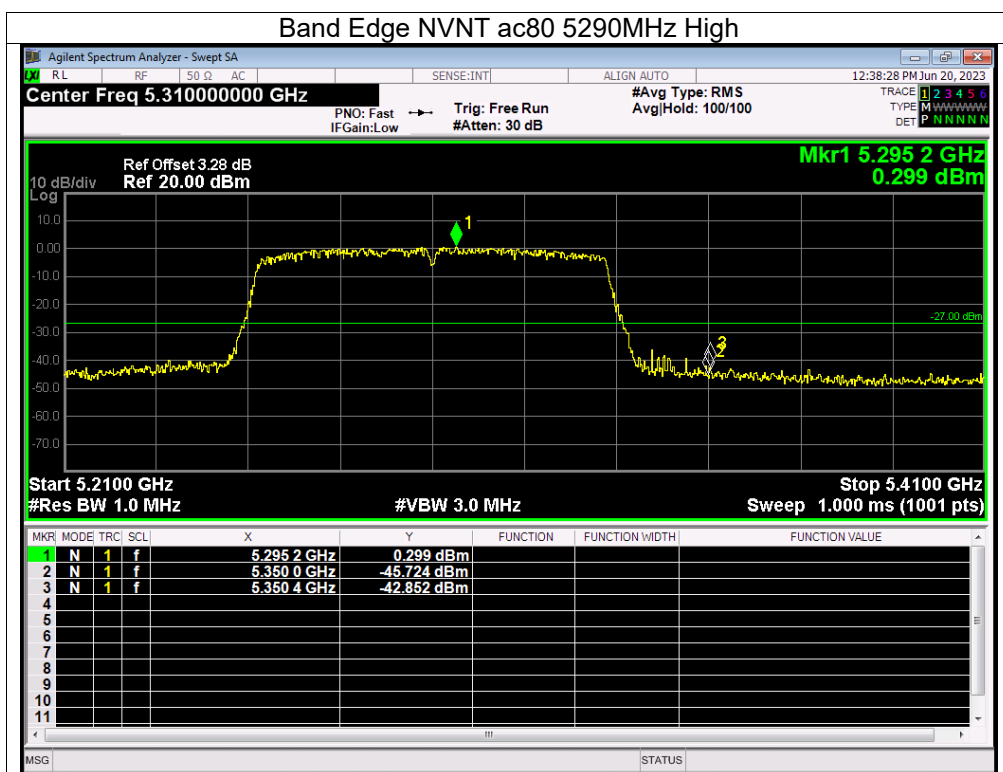
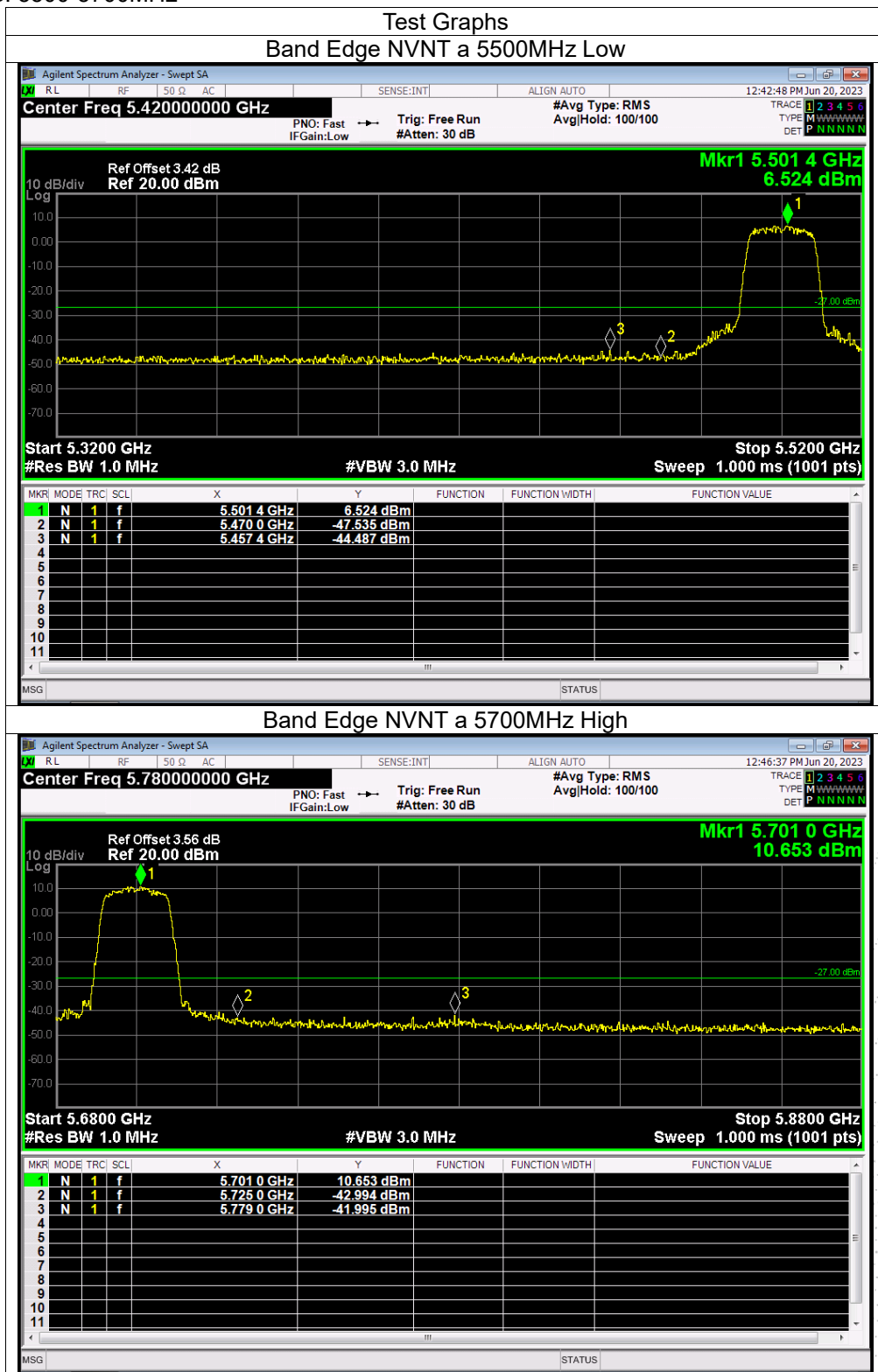
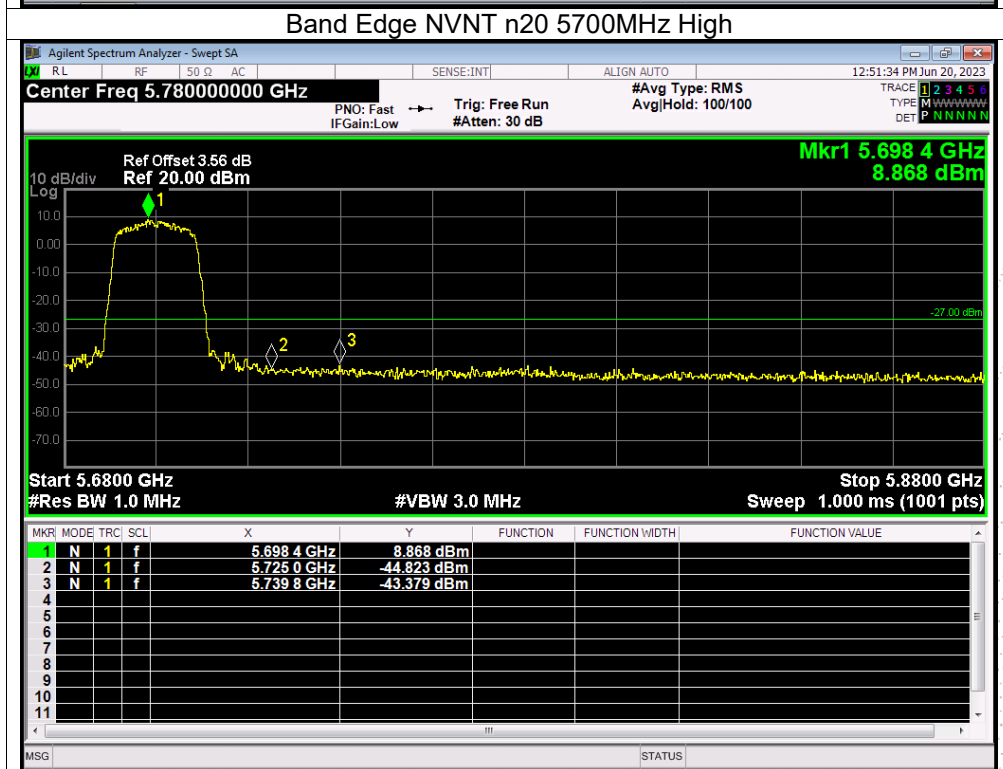
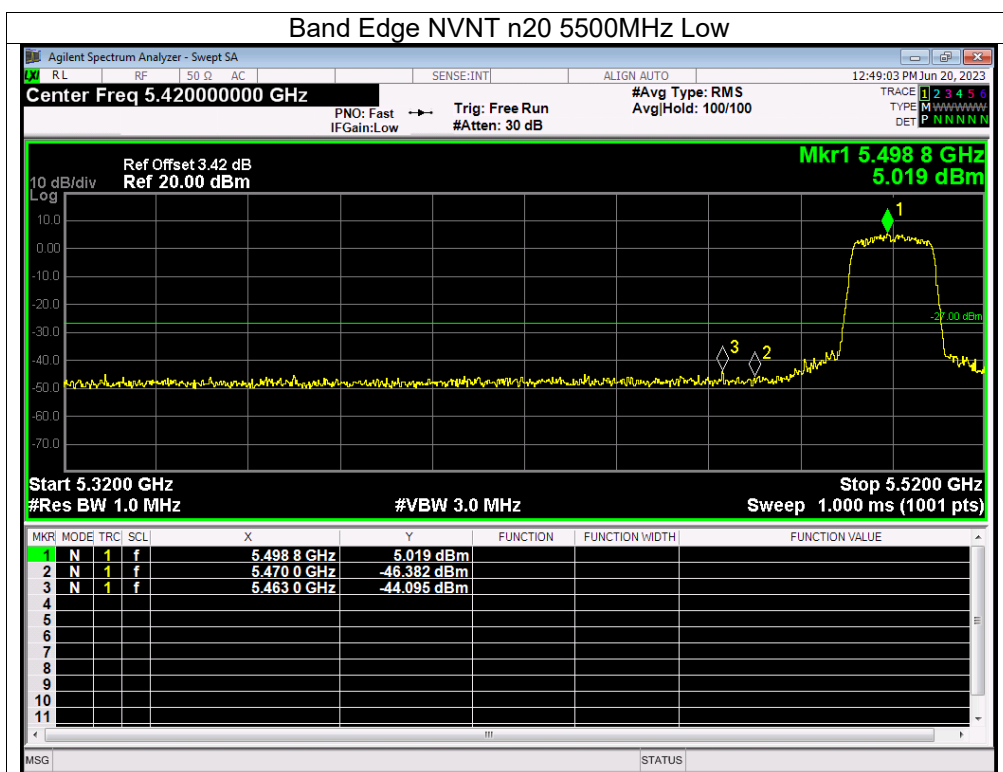


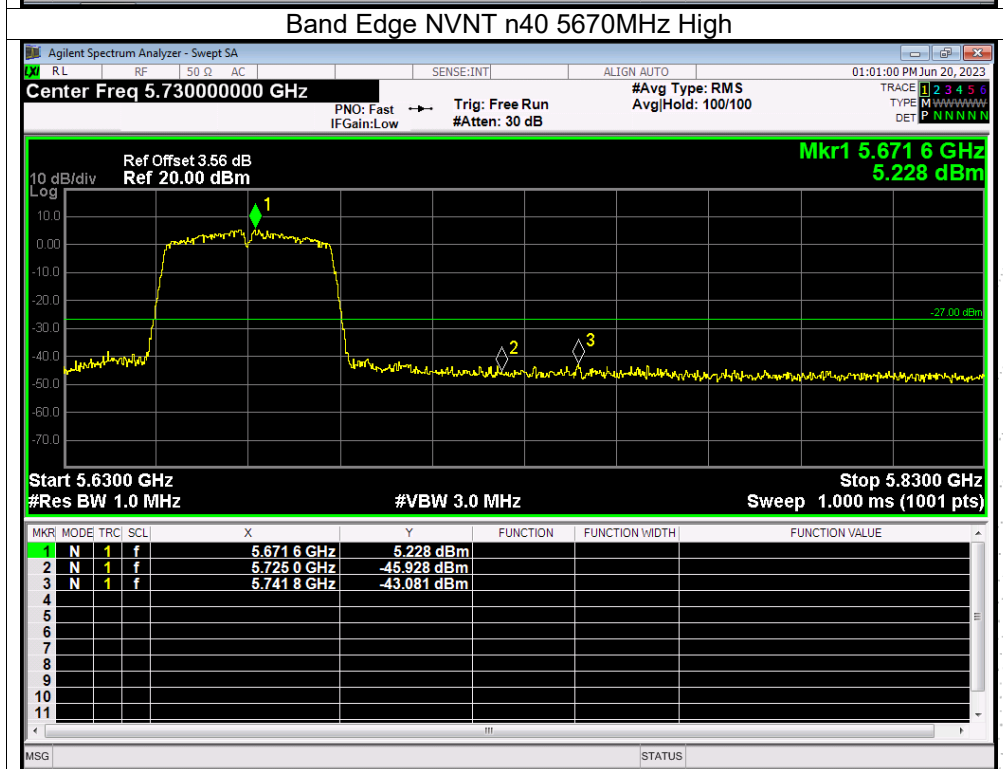
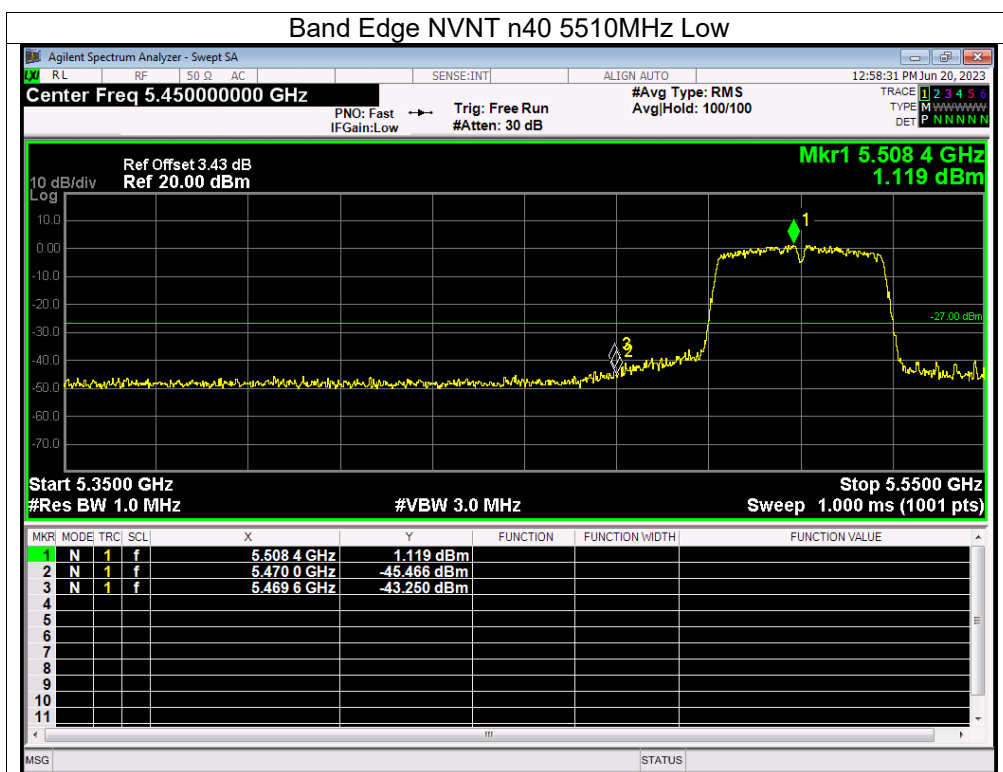


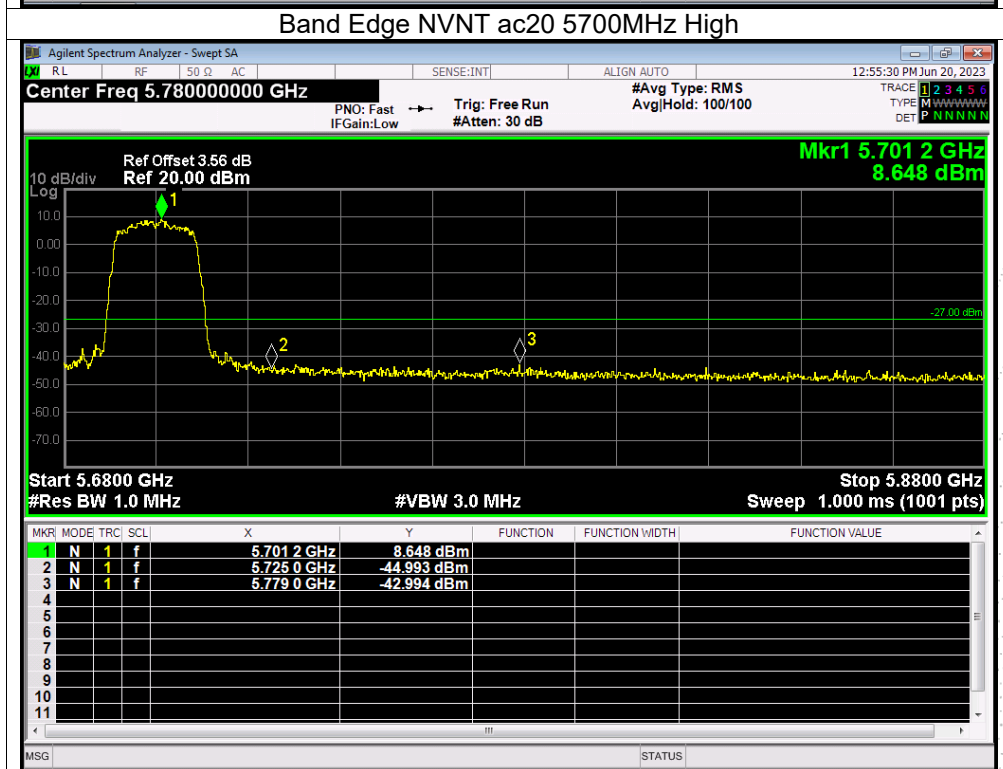
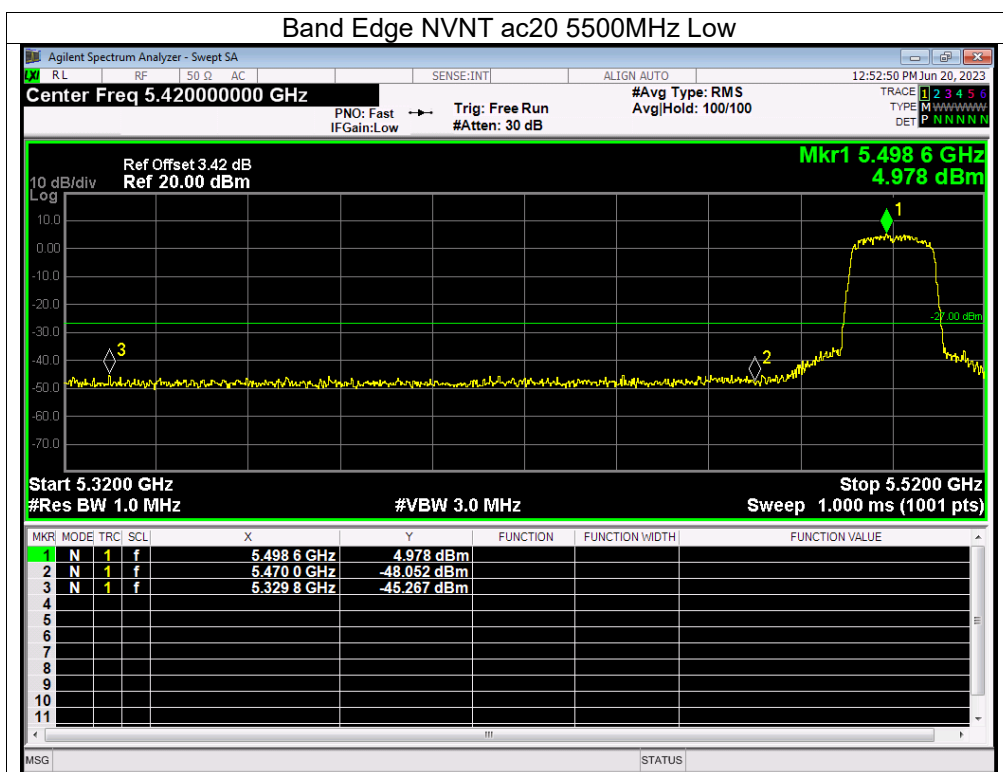


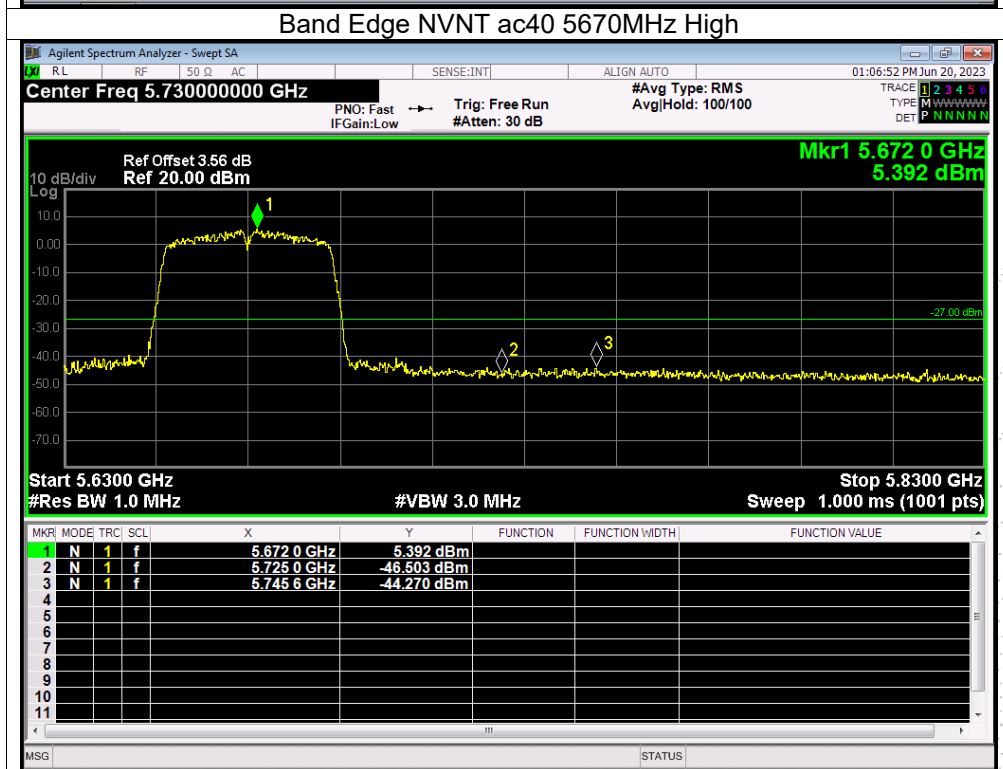
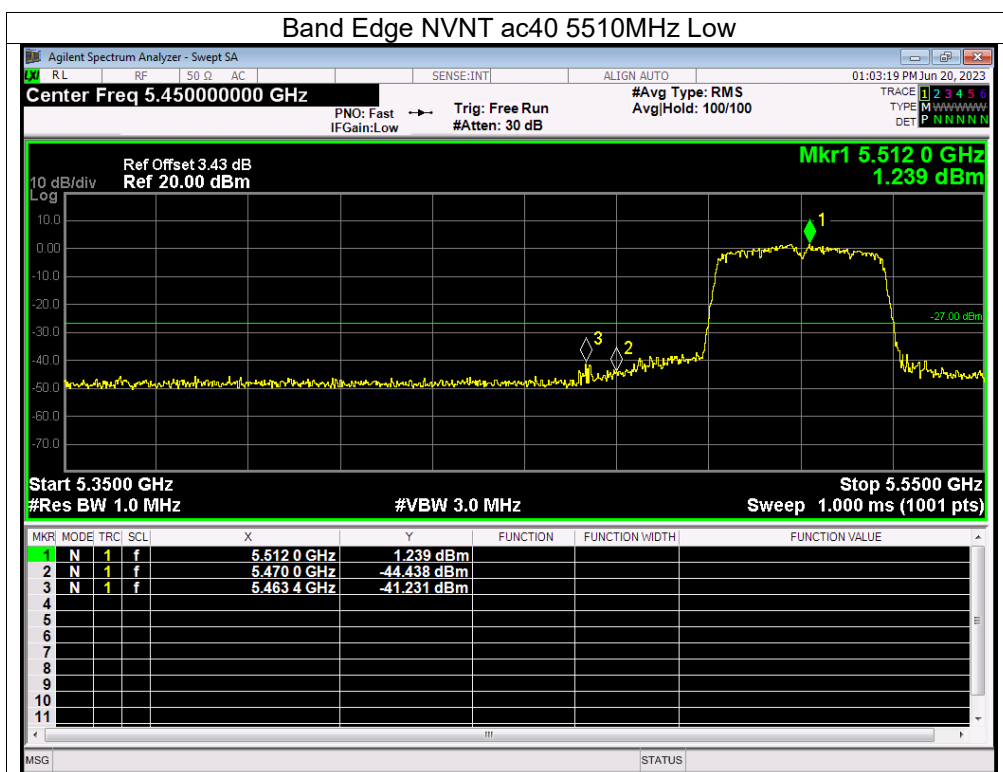
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B.
Antenna B: 5500-5700MHz

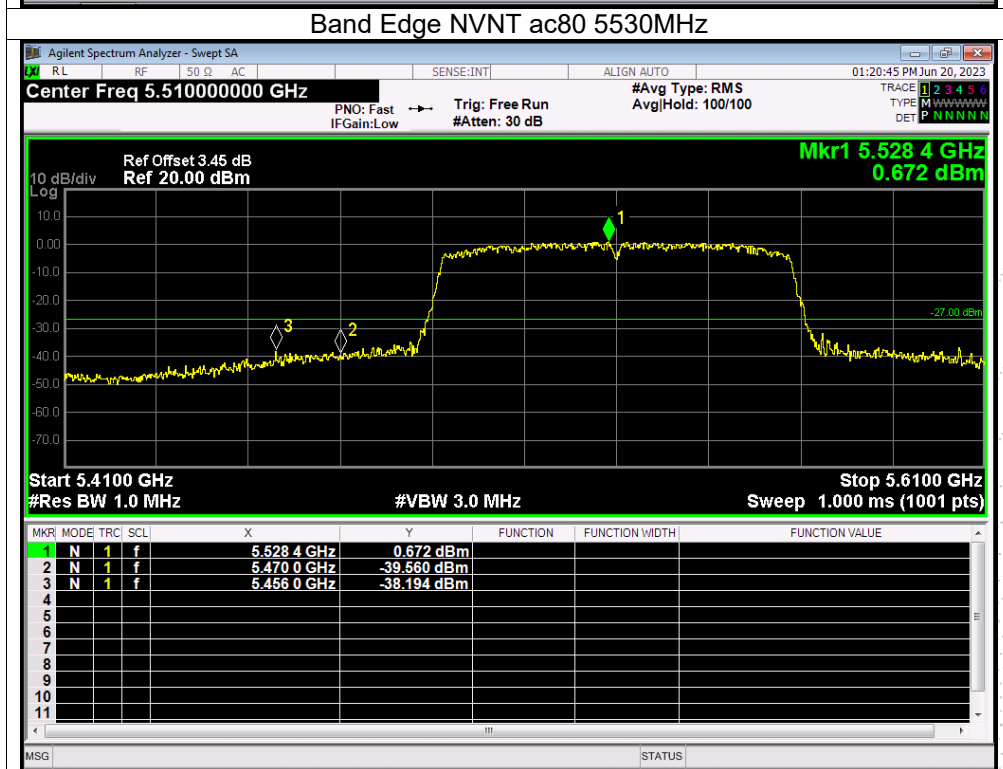
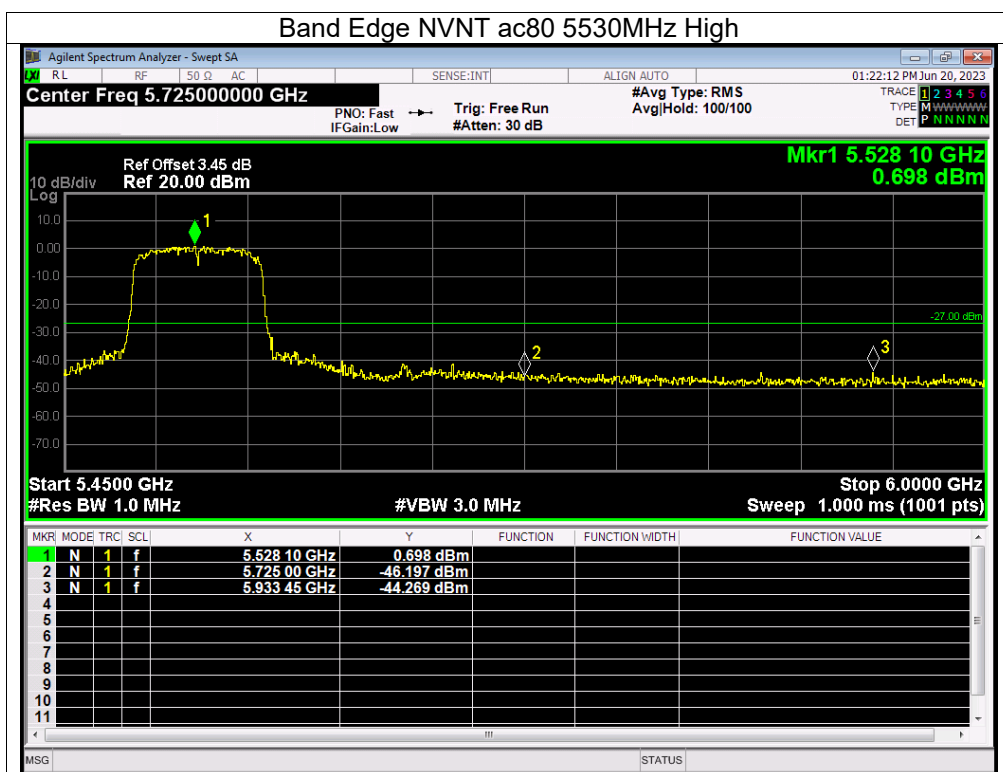




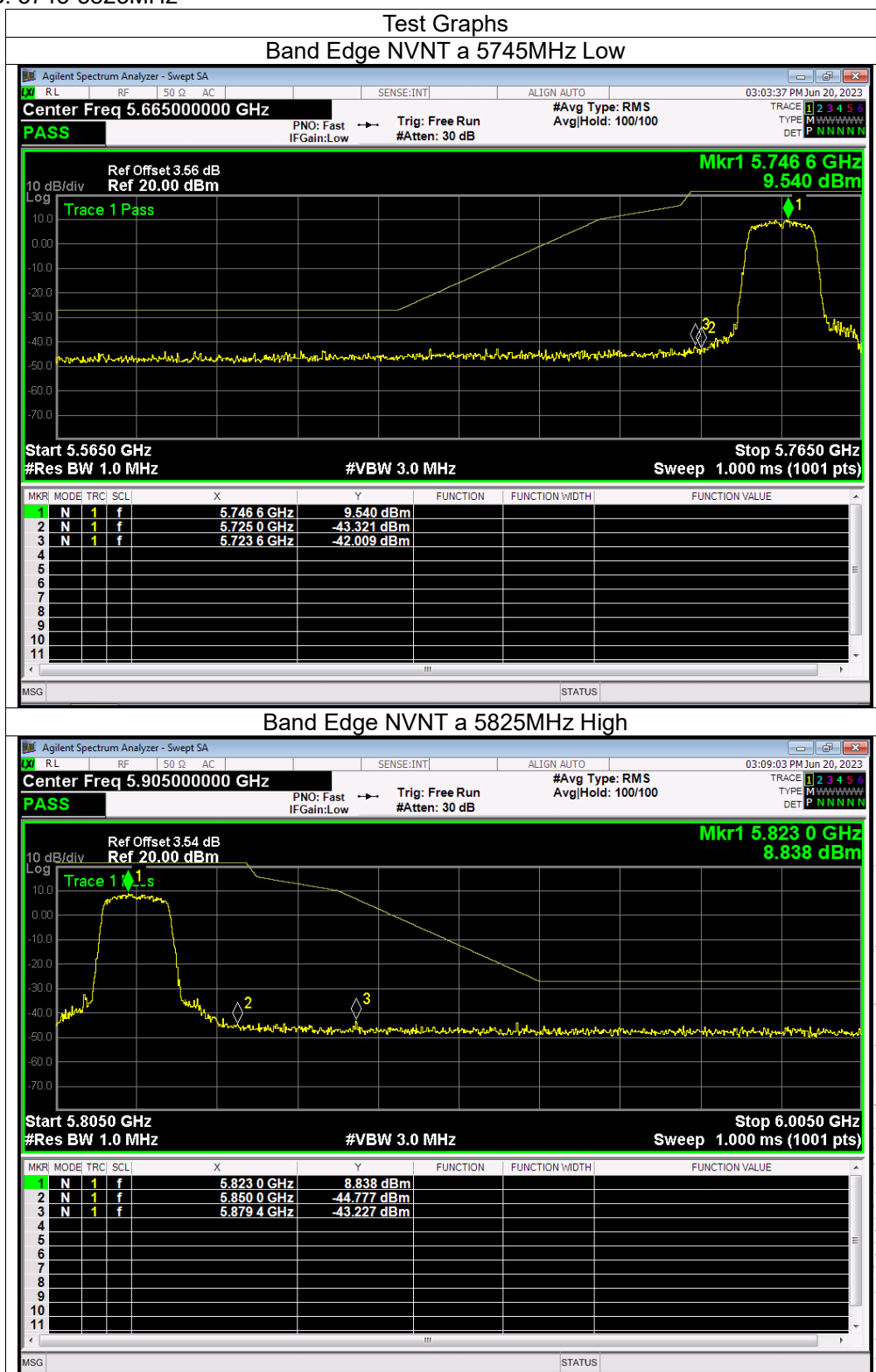


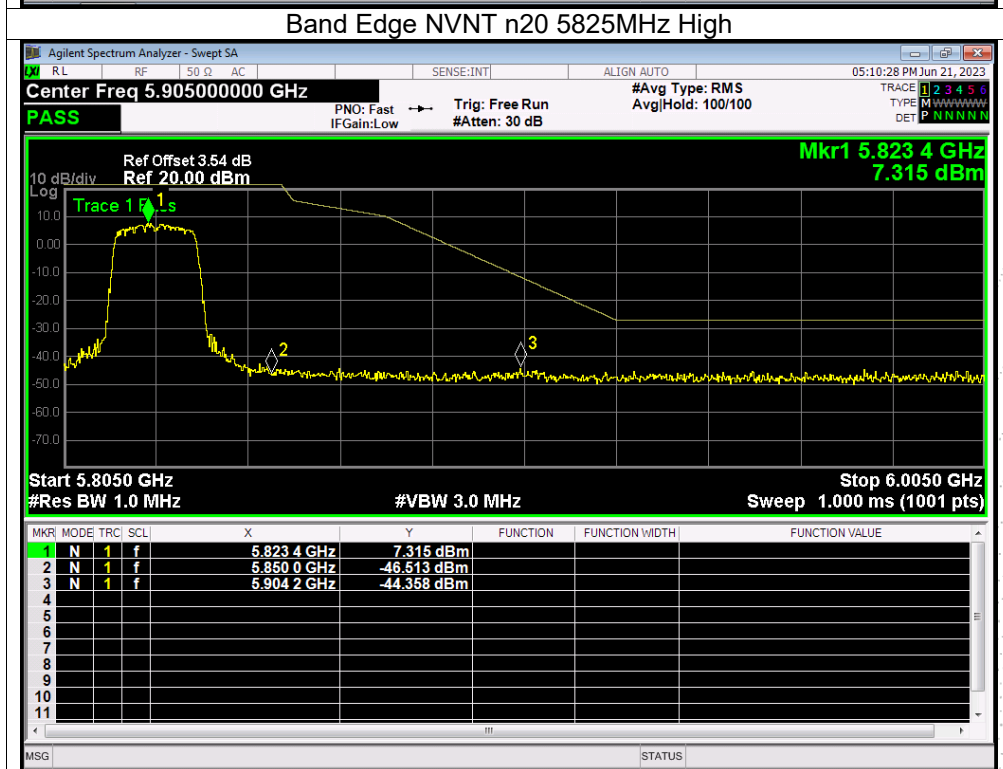
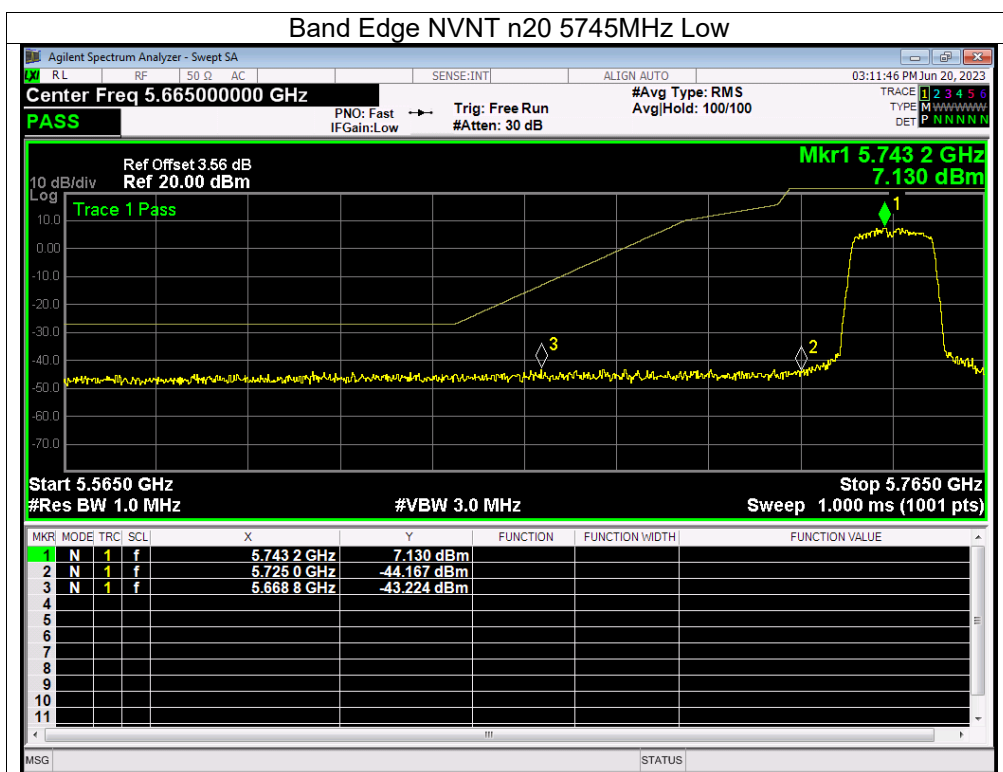


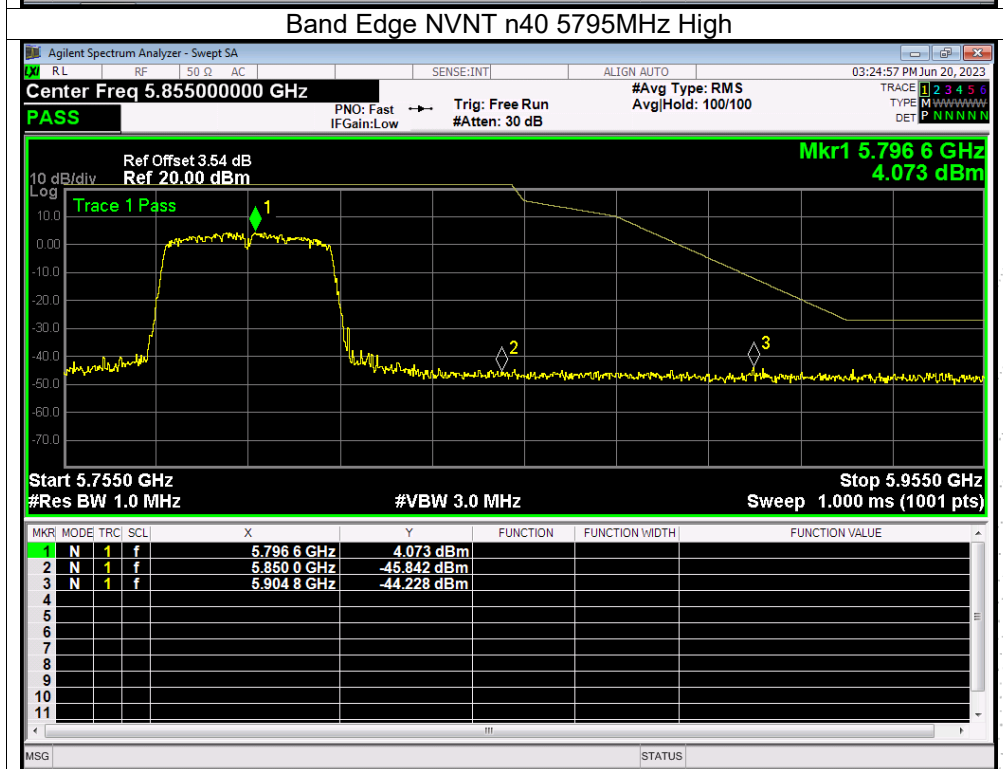
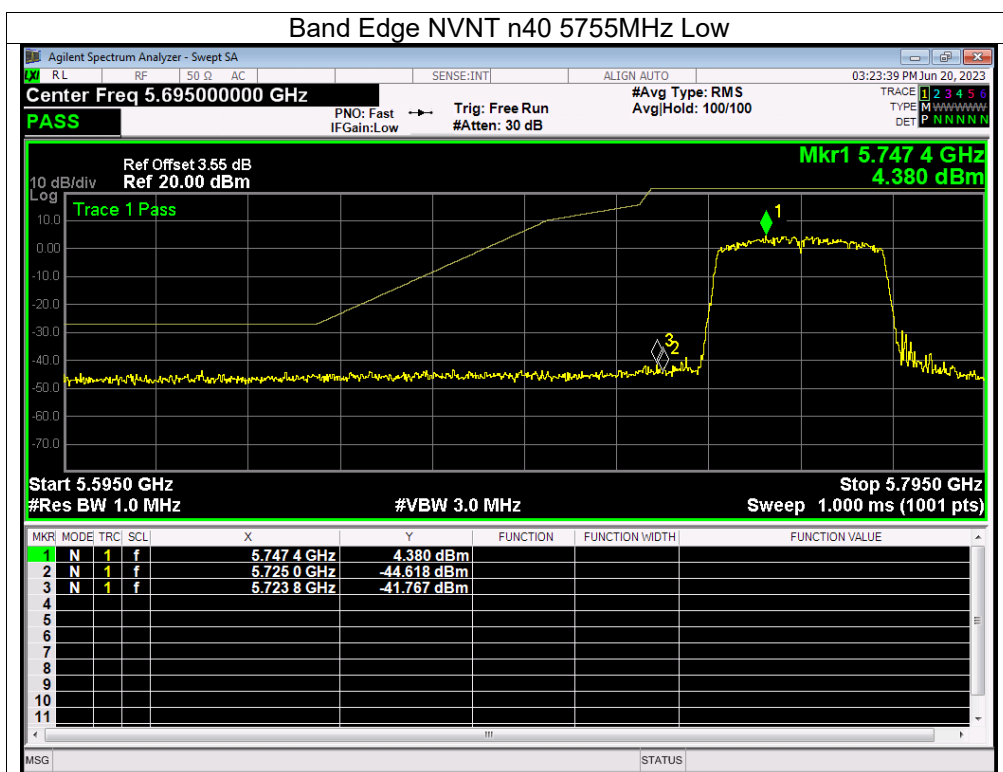


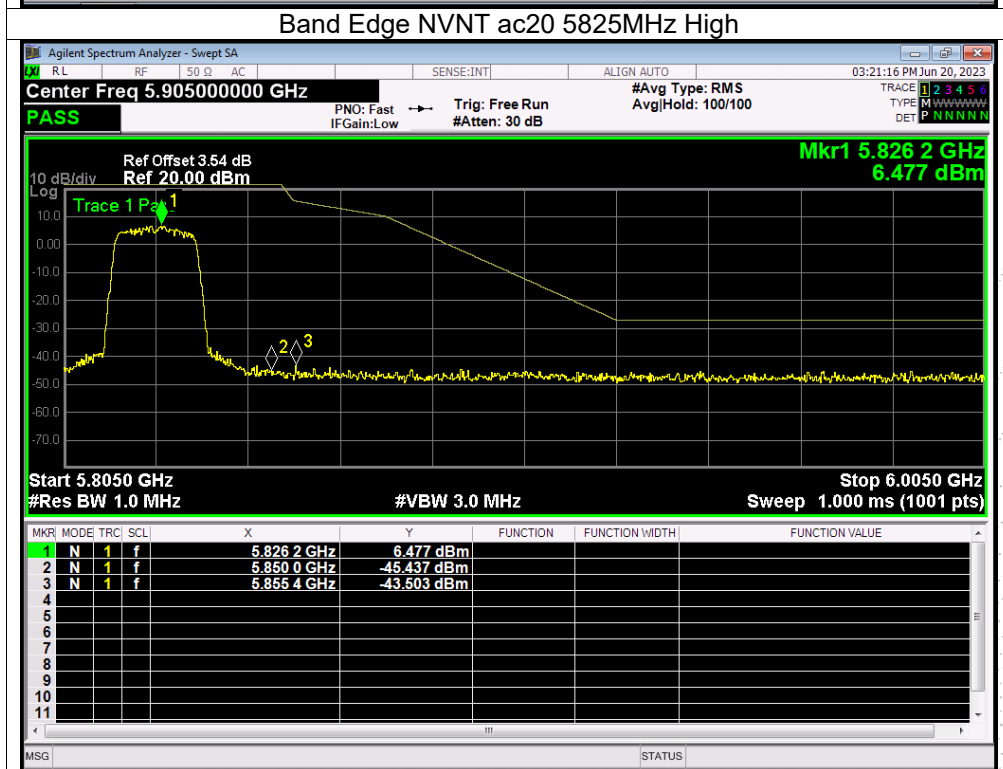
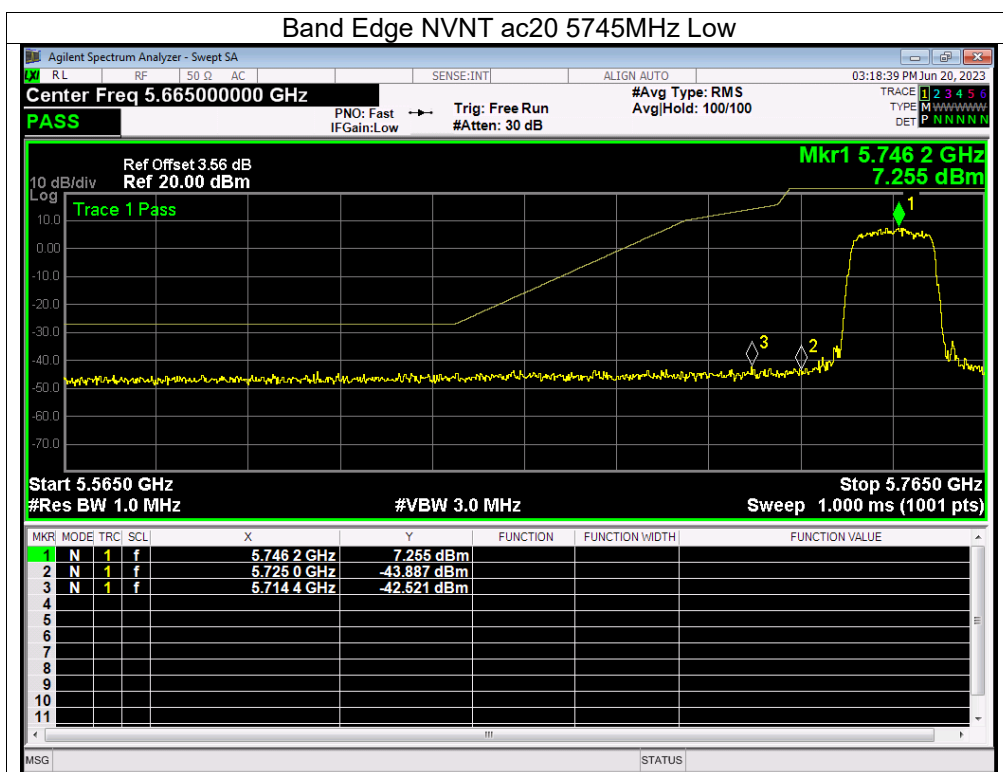


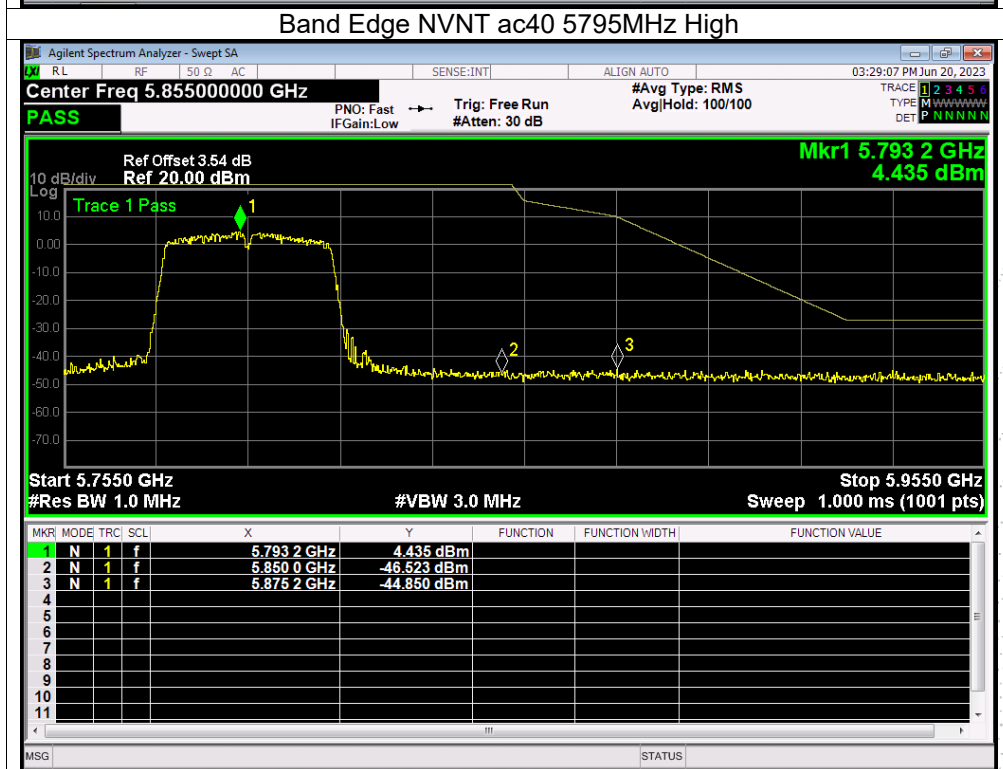
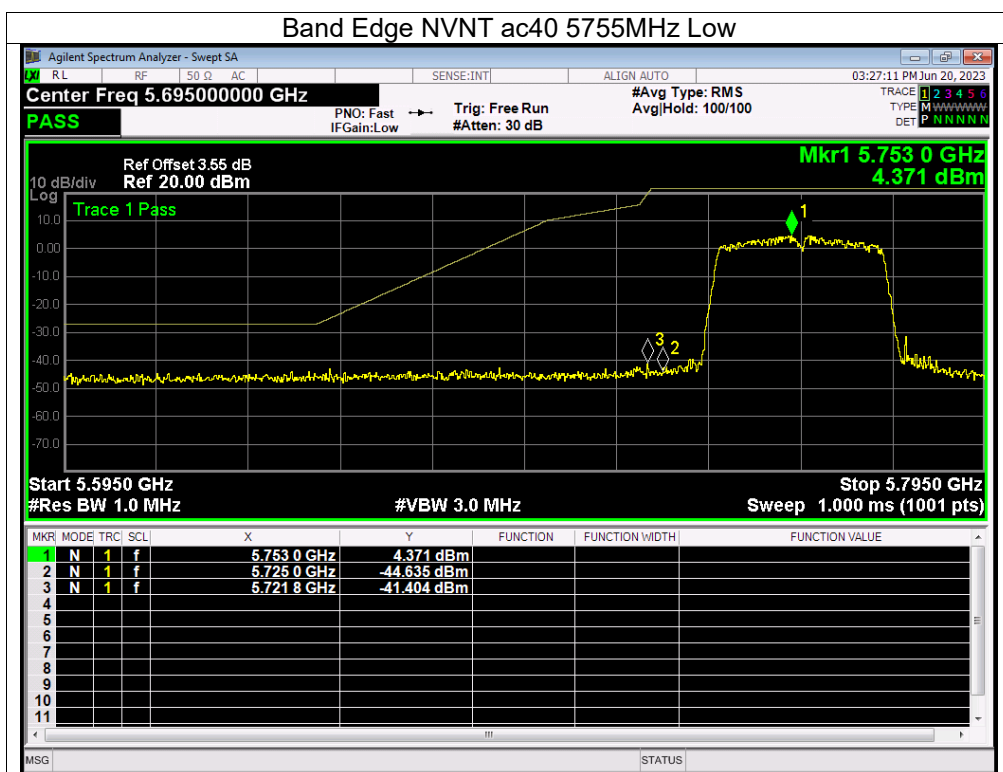
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B.
Antenna B: 5745-5825MHz

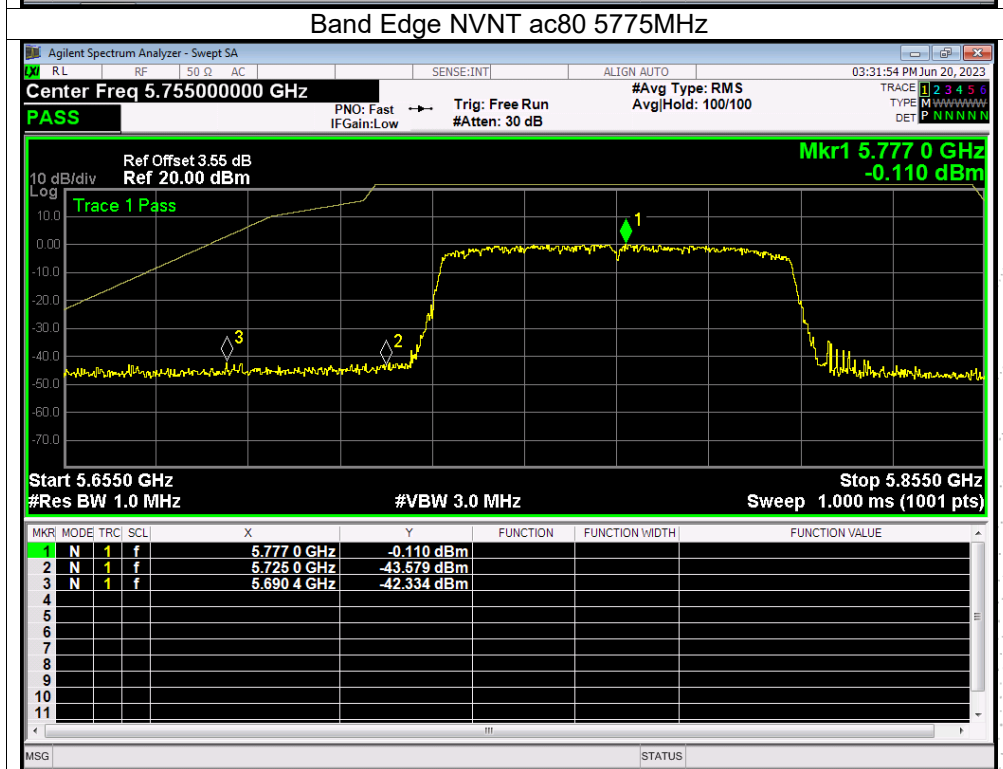
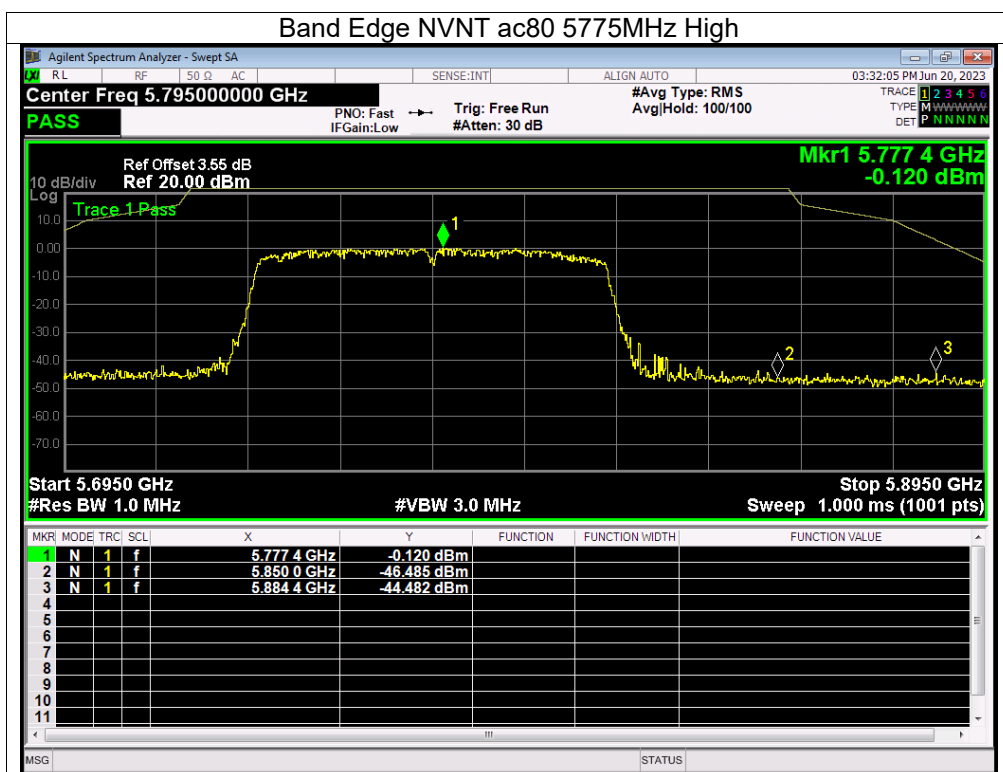












12. Spurious RF Conducted Emissions

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..

(3) For transmitters operating in the 5.25-5.35 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.

(4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

12.3 Test Procedure

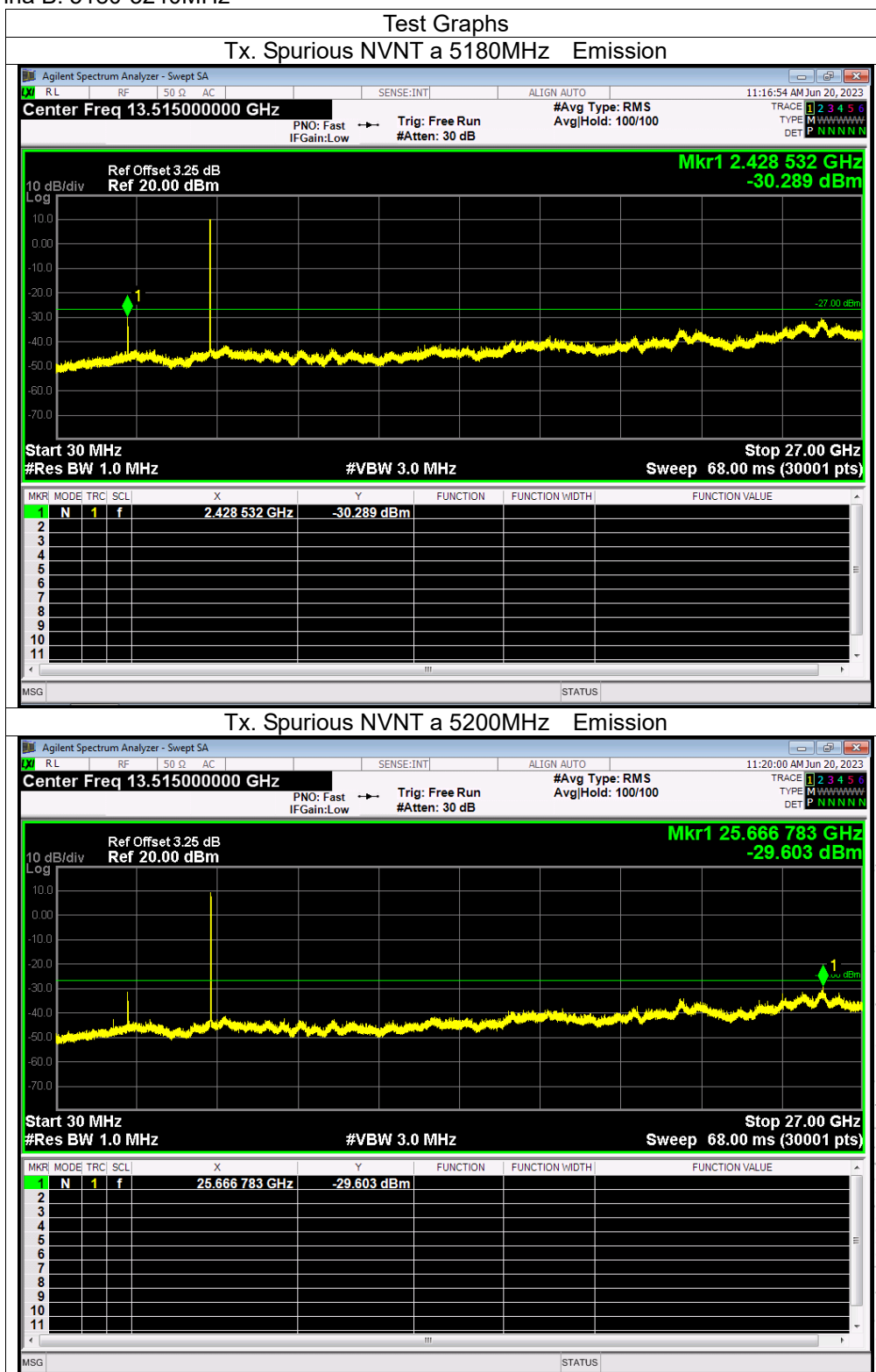
1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then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

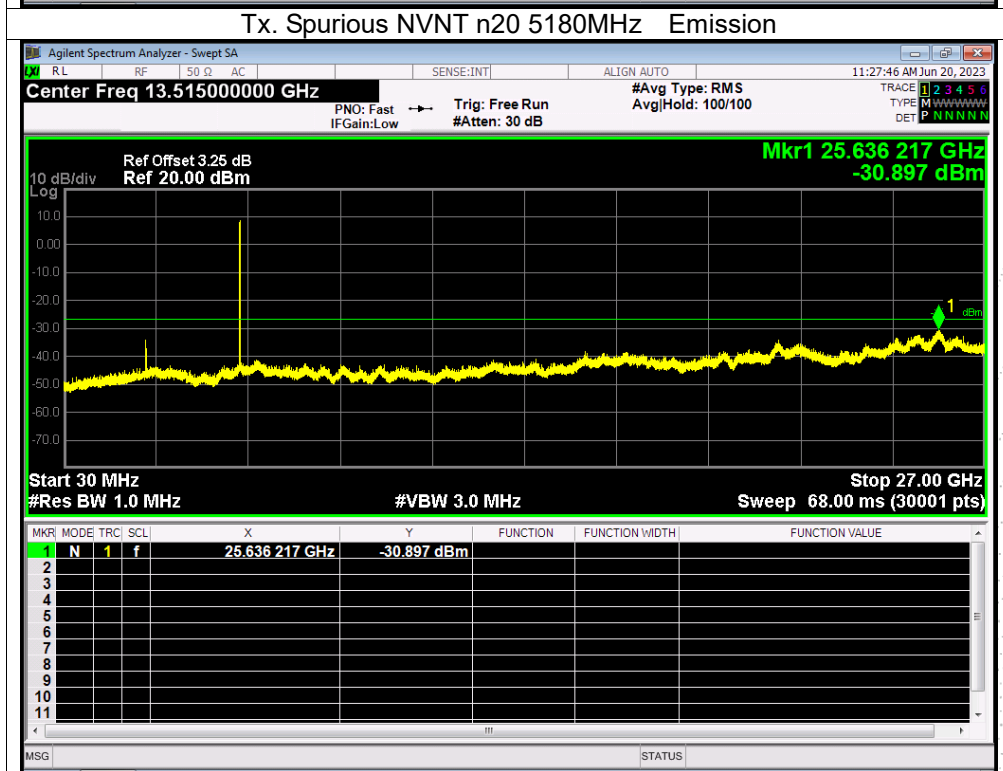
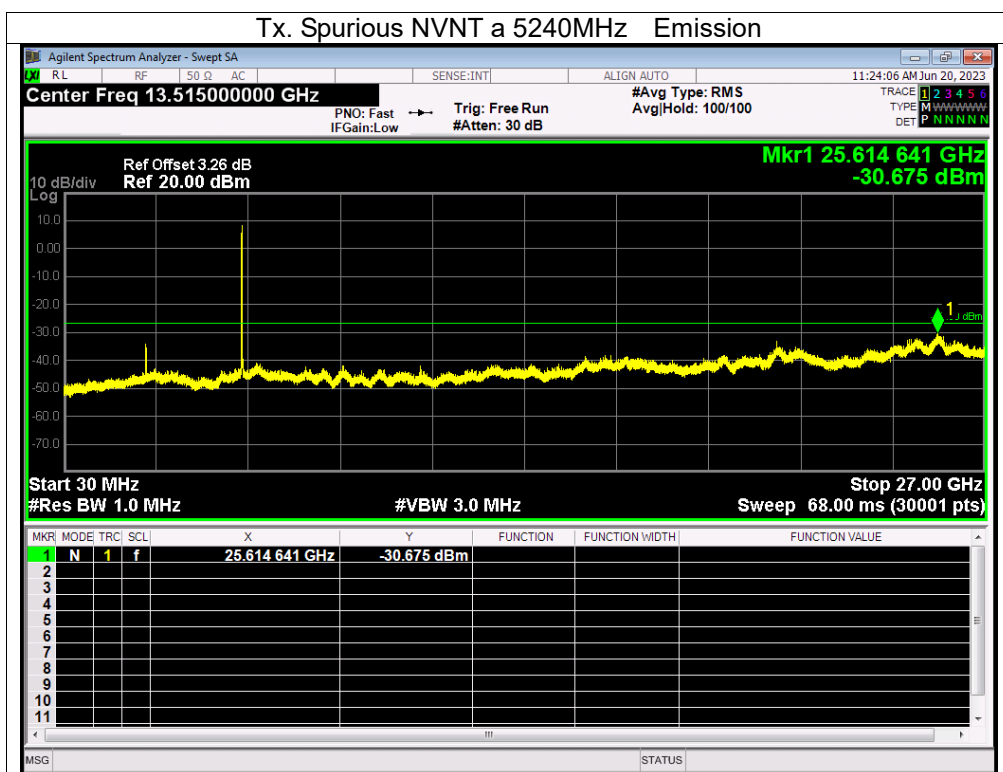
12.4 Test Result

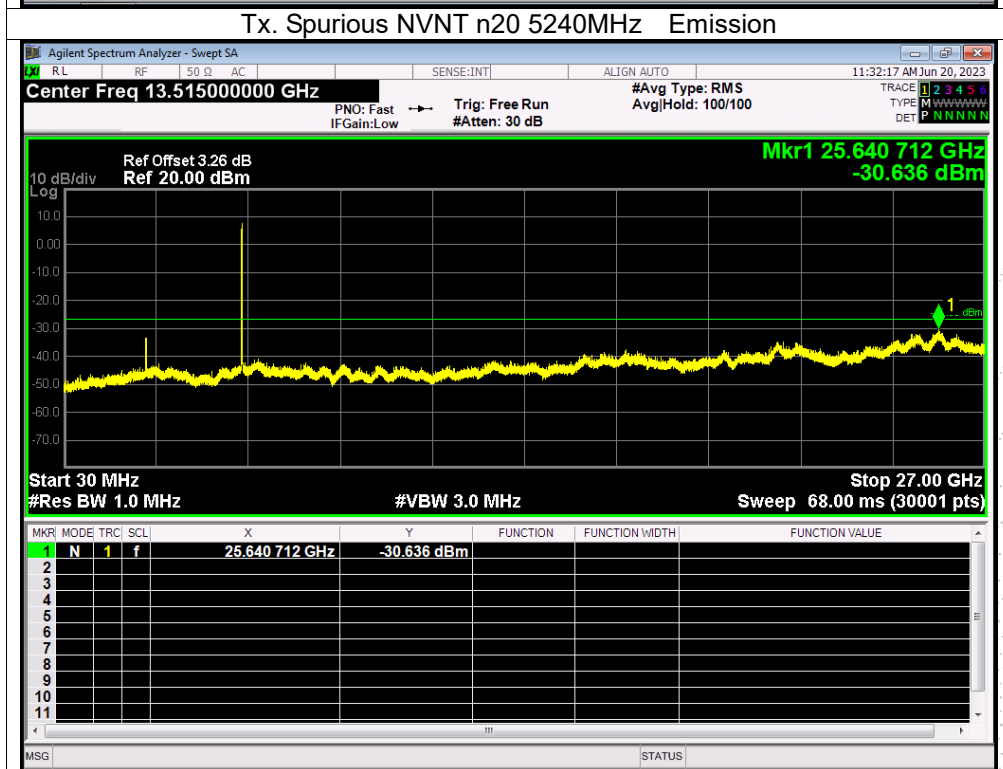
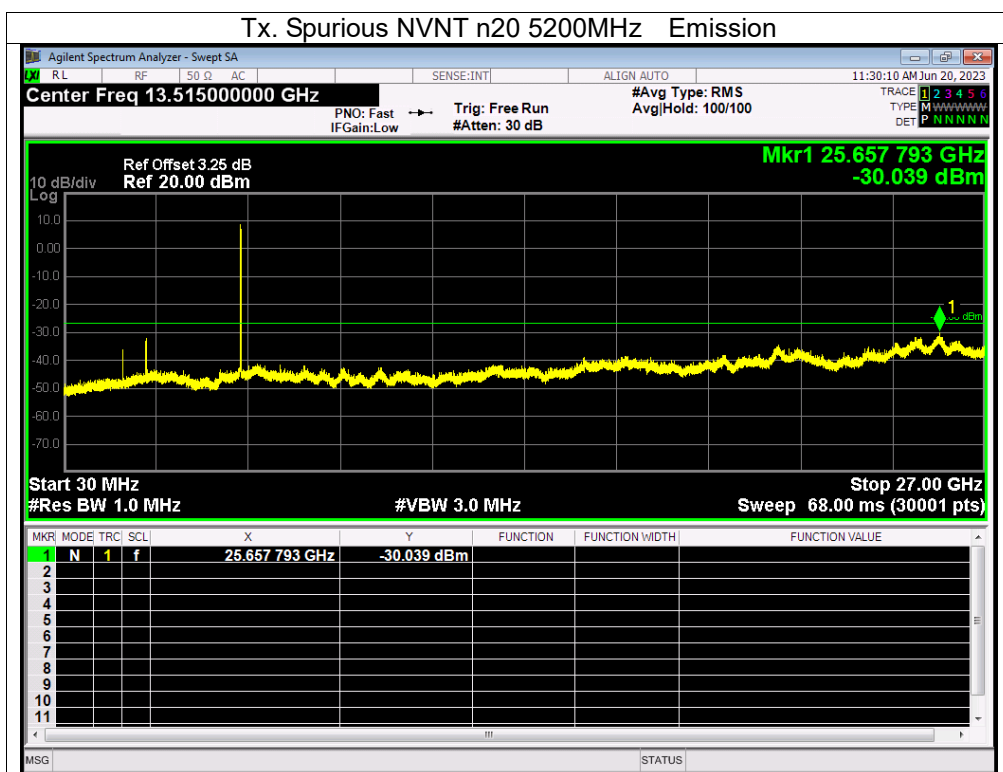
Remark: The measurement frequency range is from 9KHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and band edge measurement data.

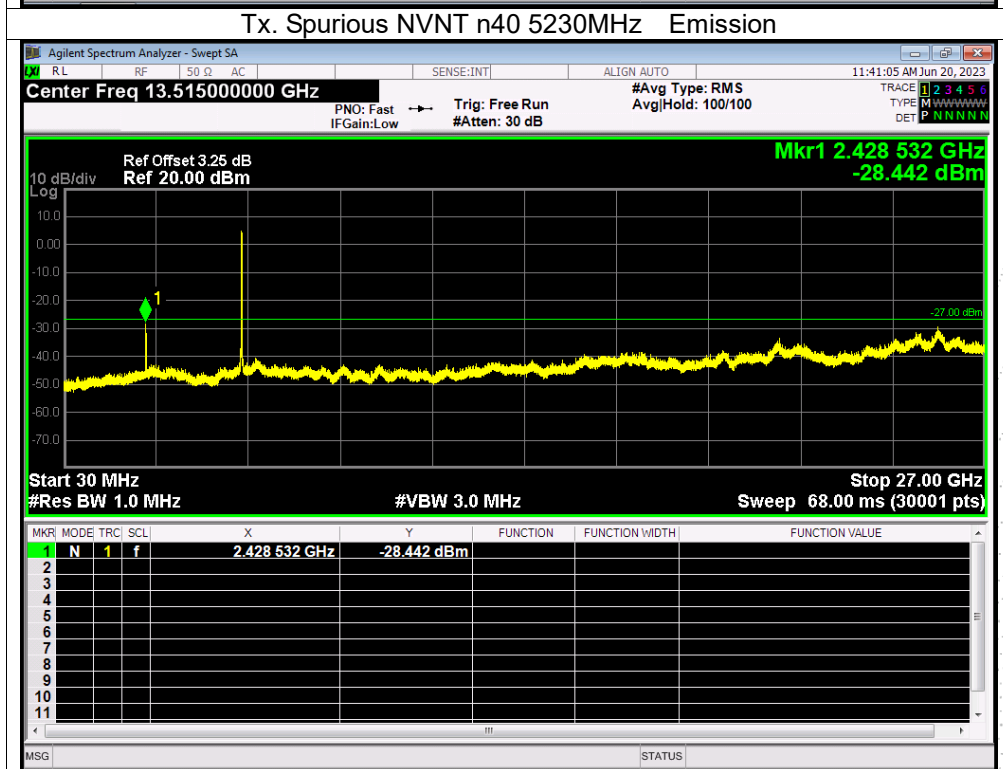
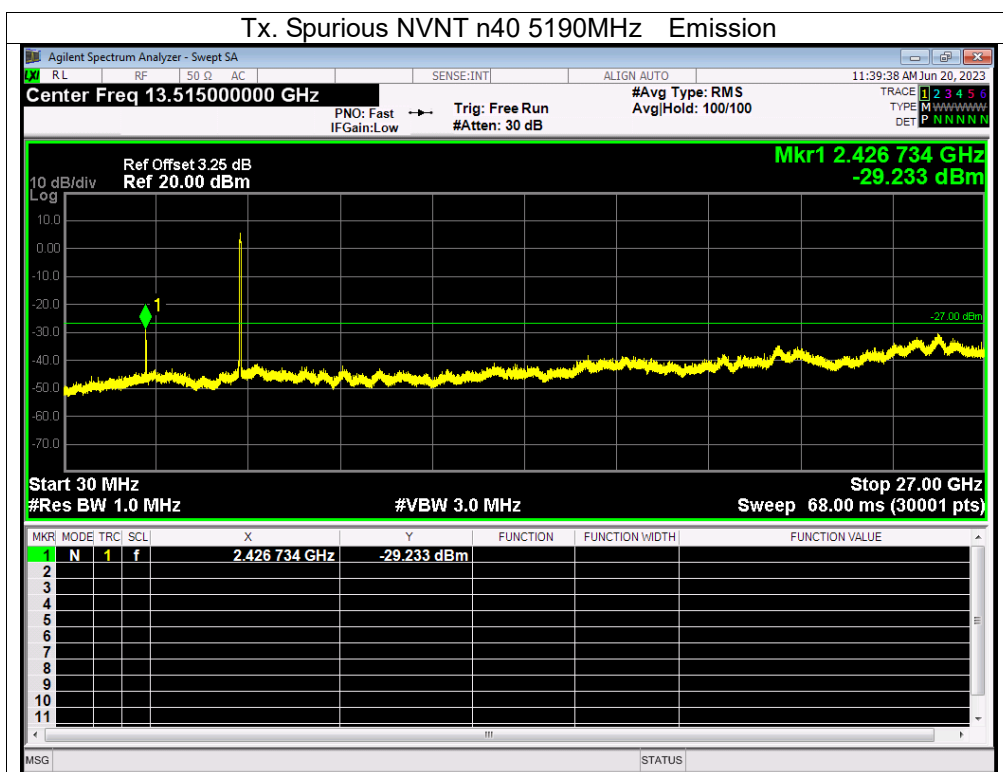
About: 26.5GHz-40GHz, The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

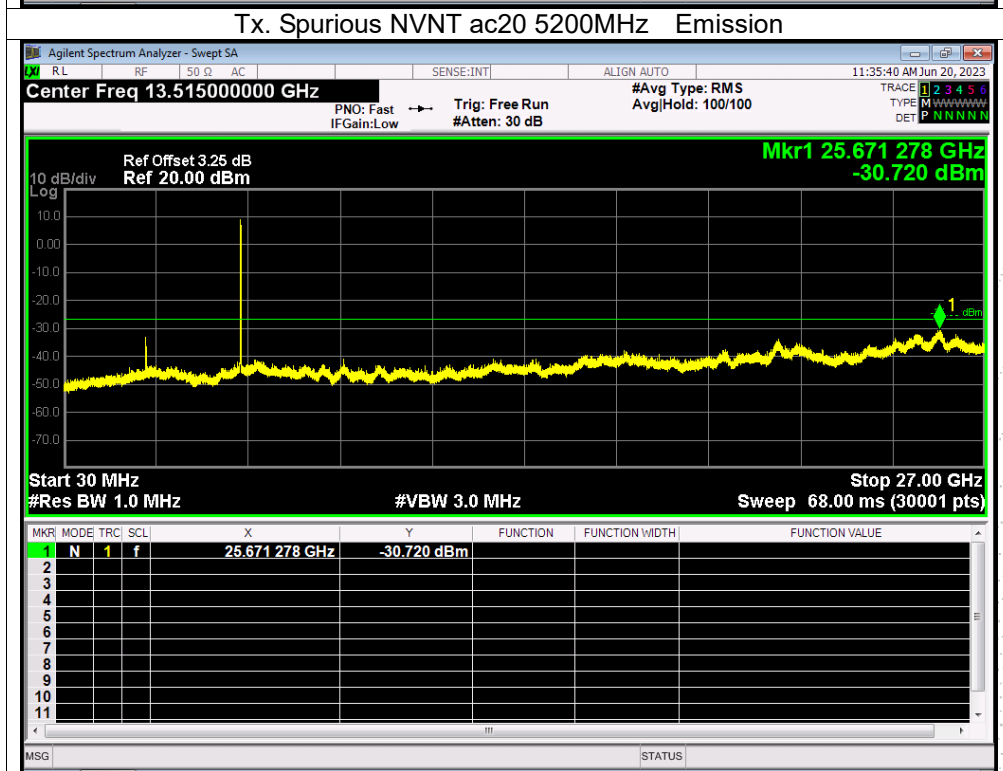
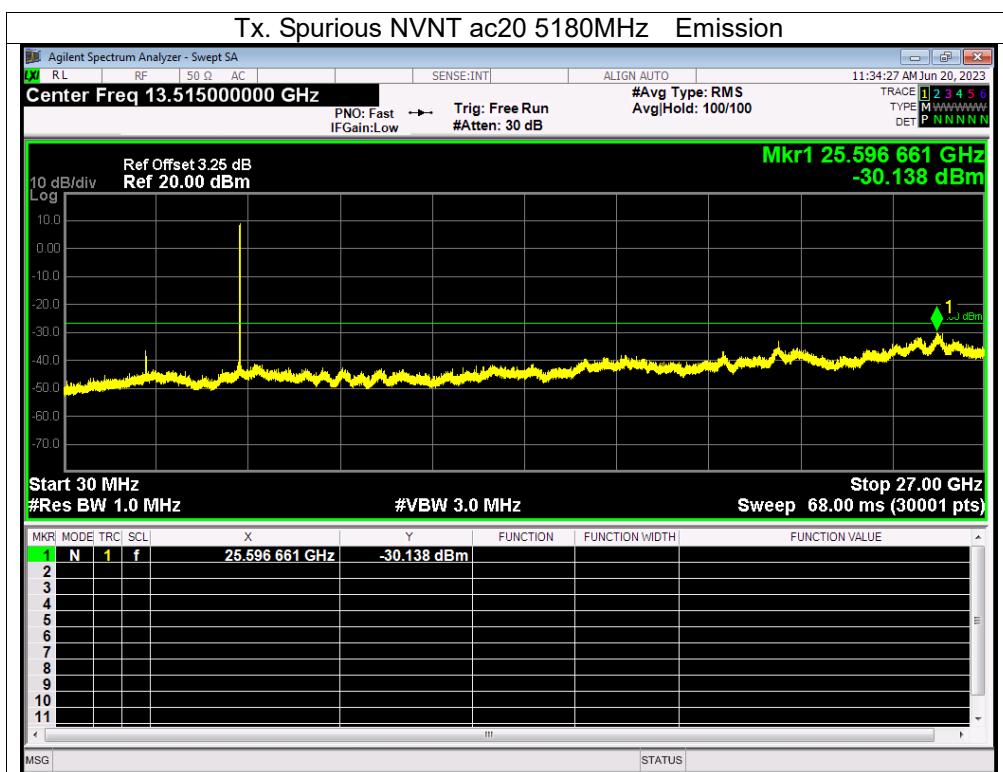
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B .
Plot. Antenna B: 5180-5240MHz

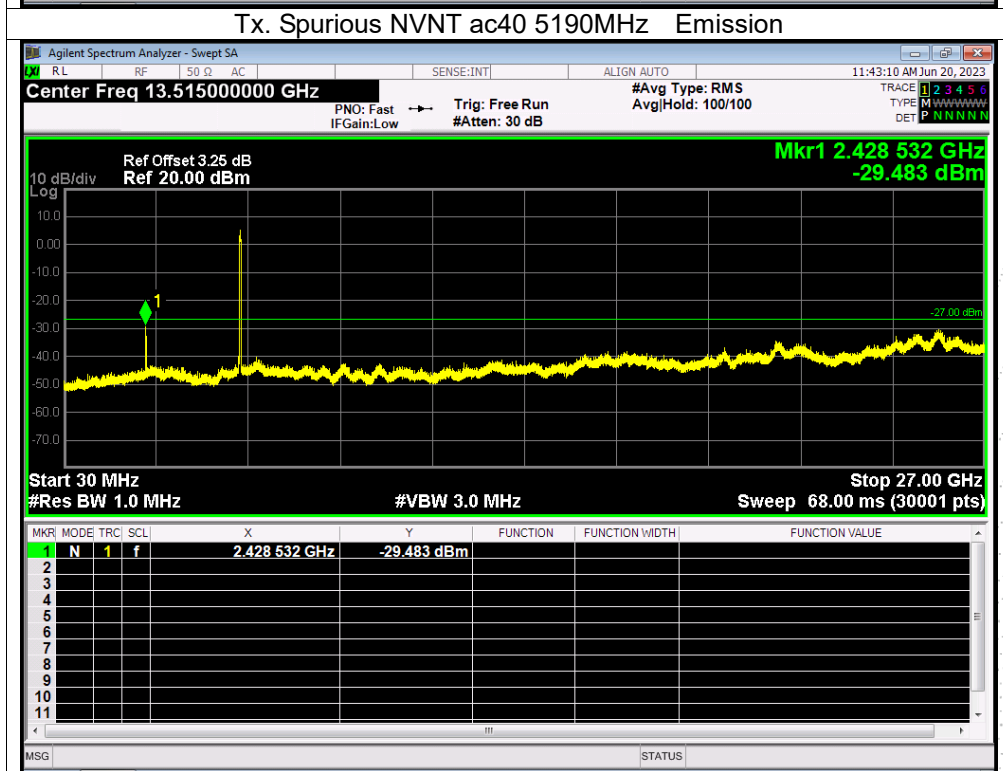
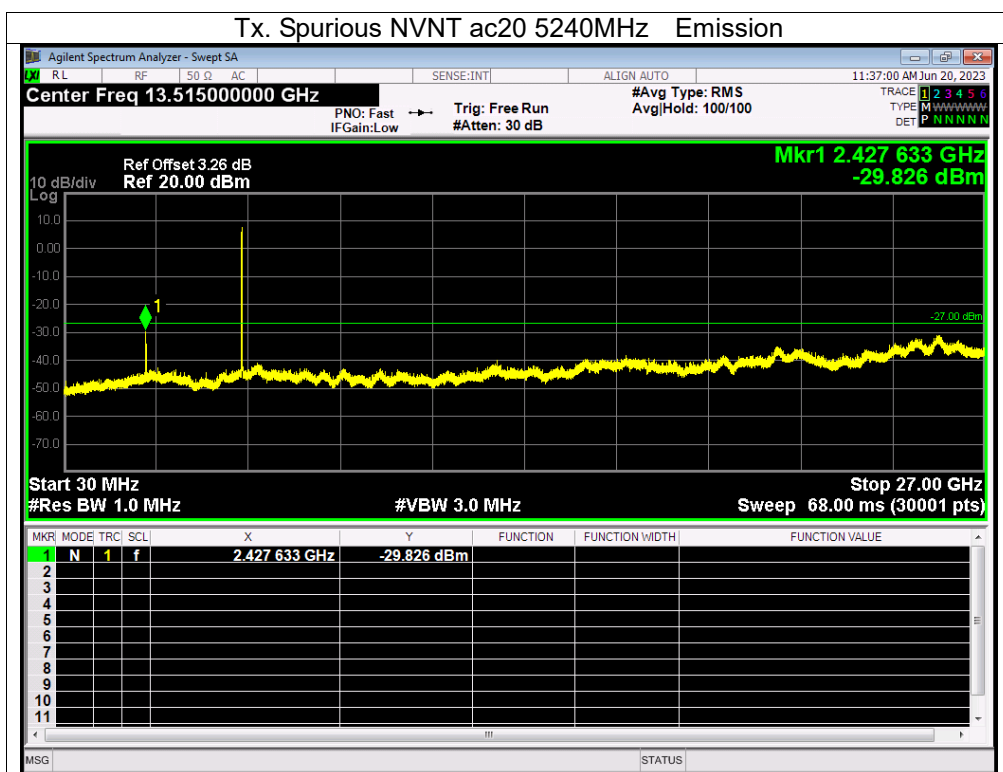


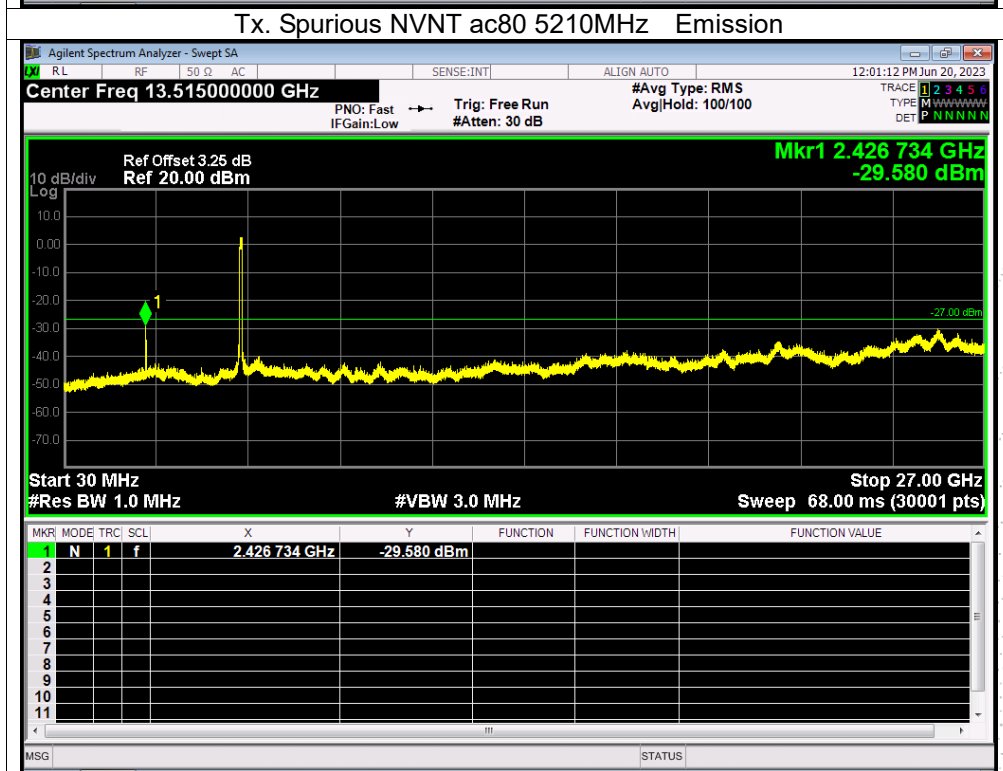
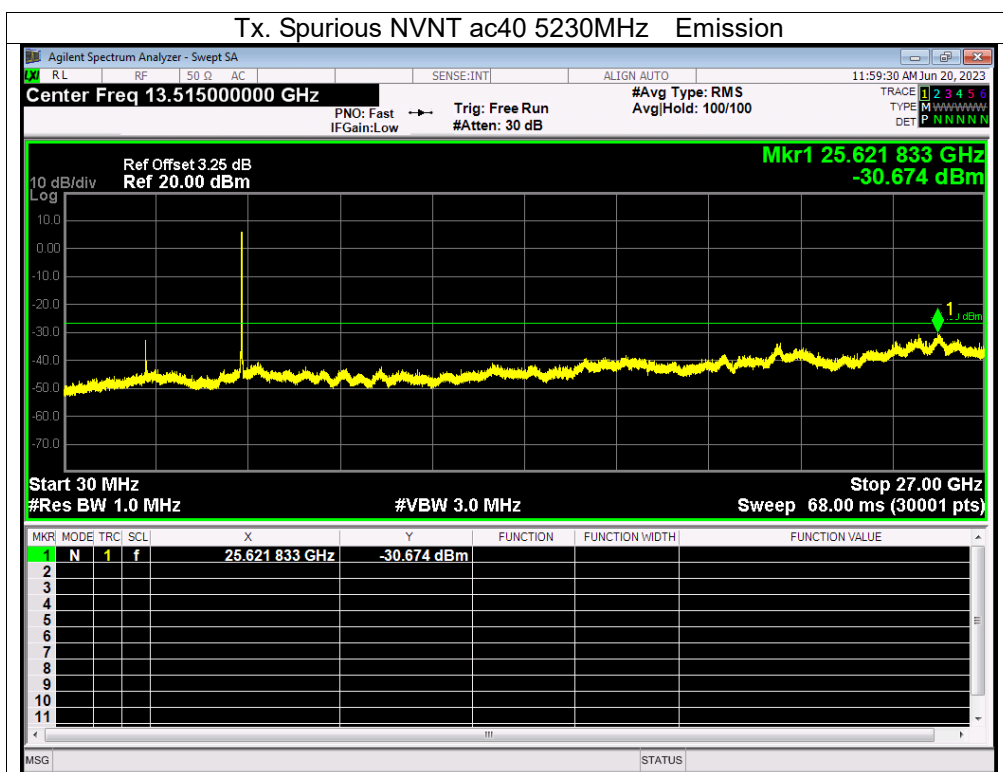




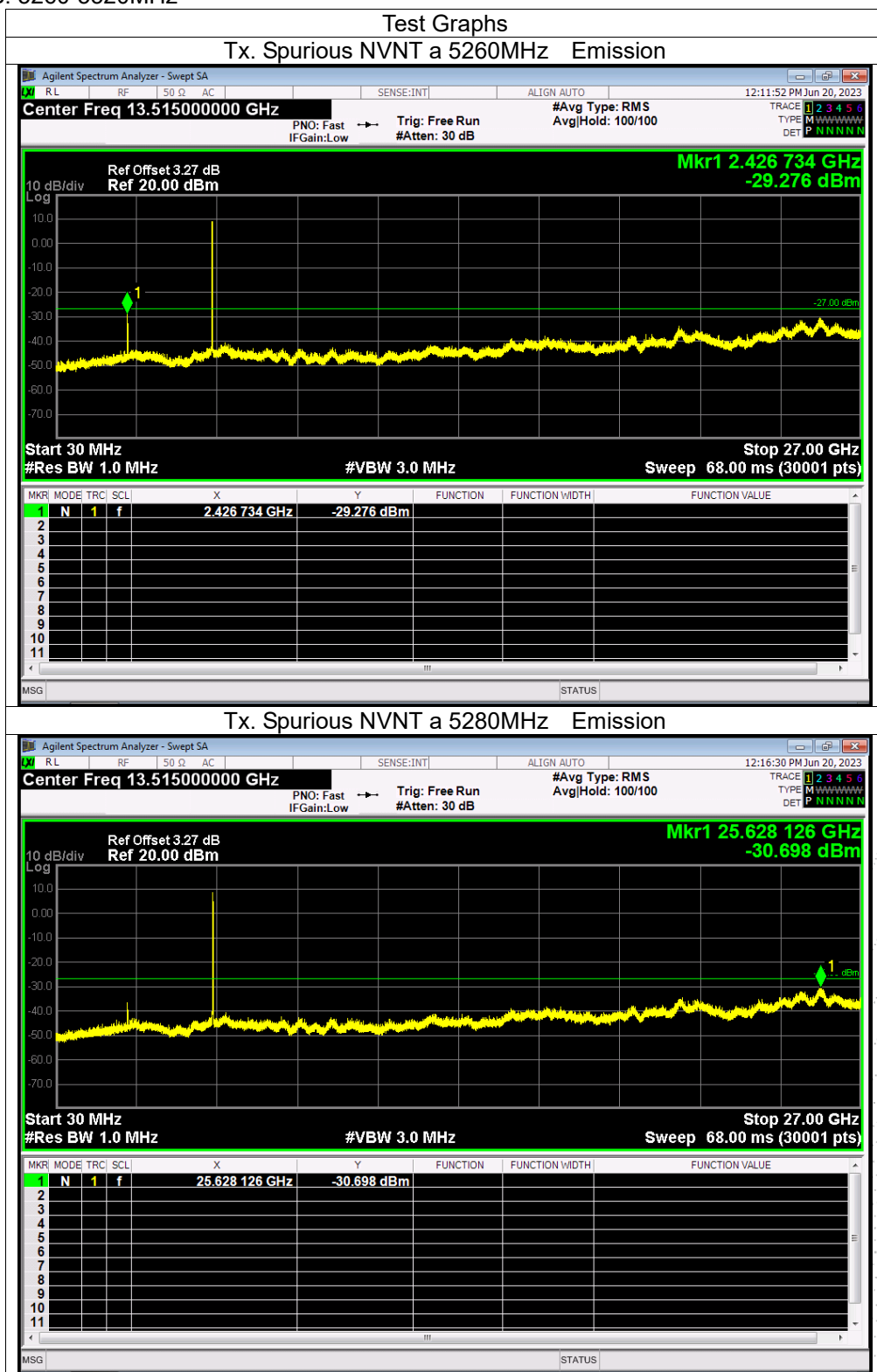


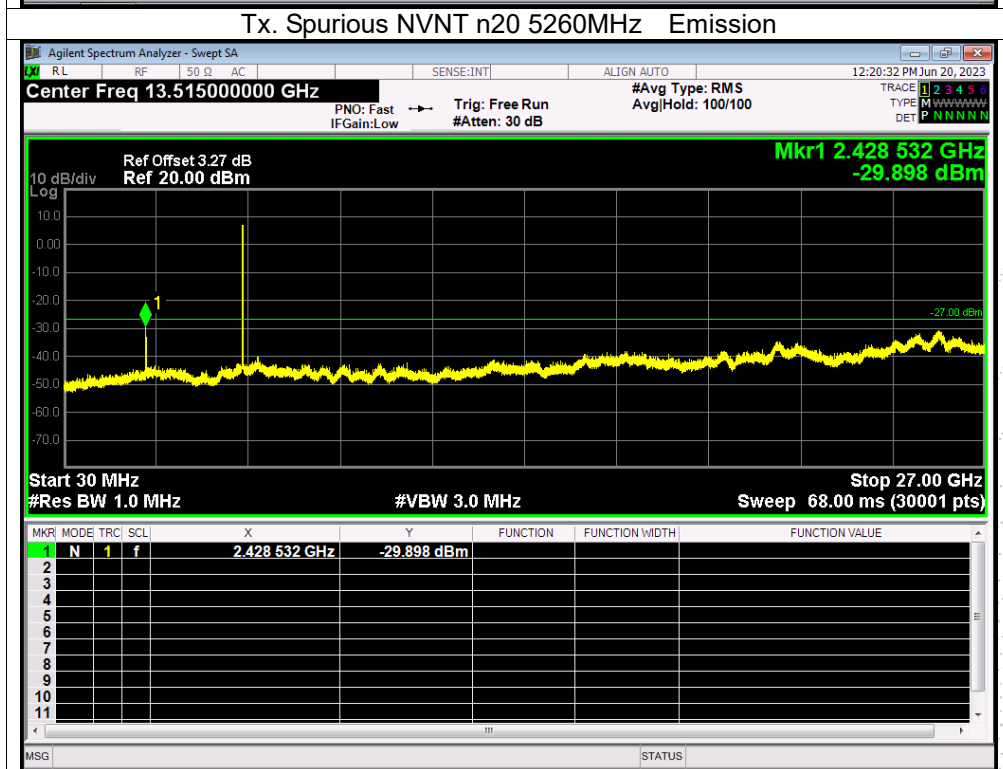
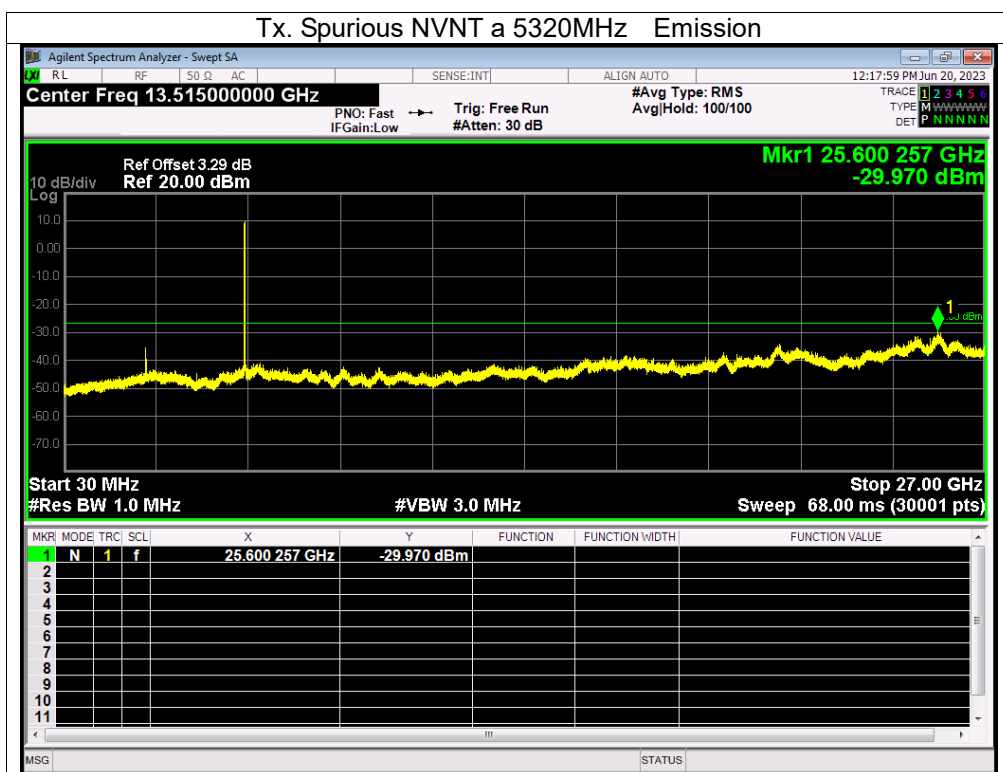


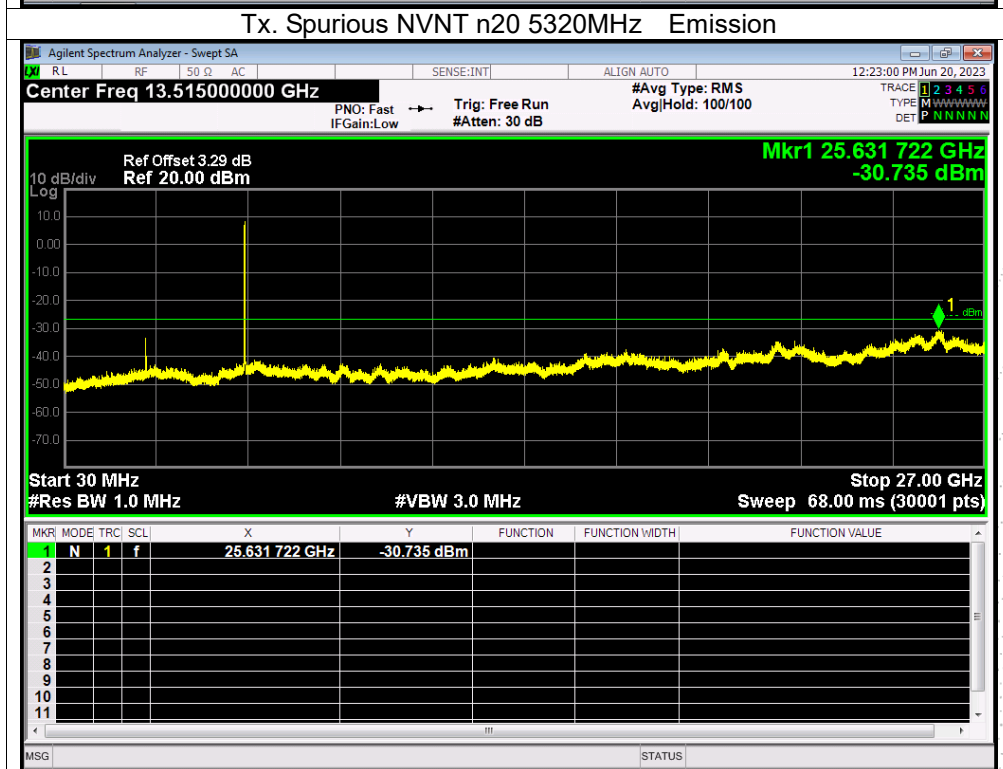
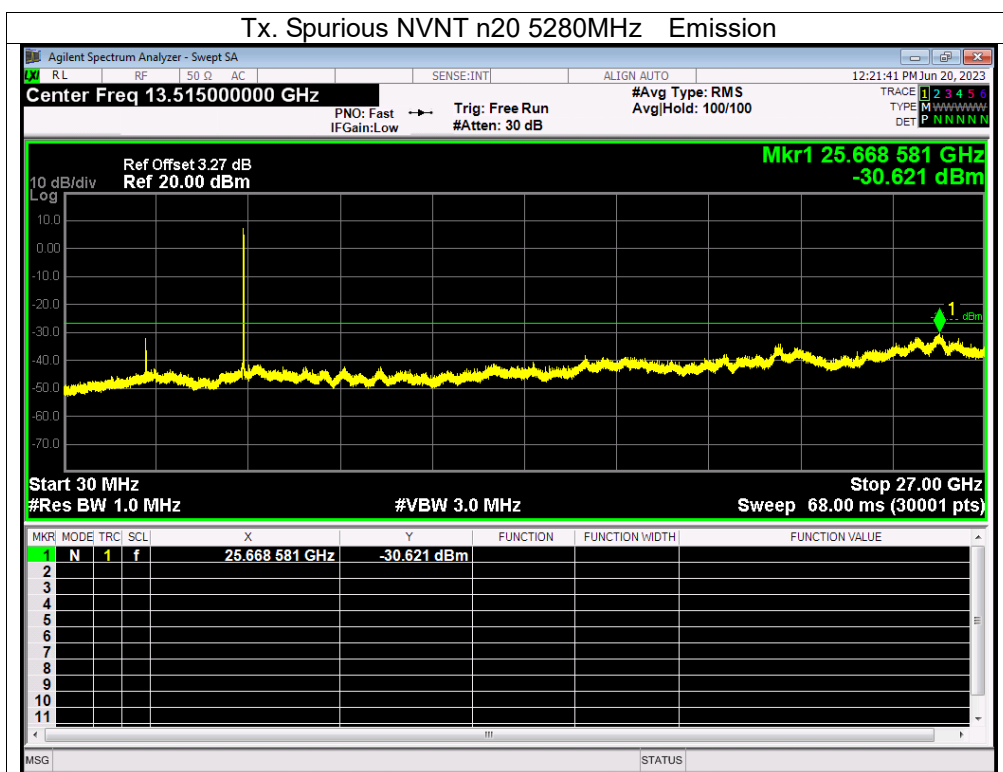


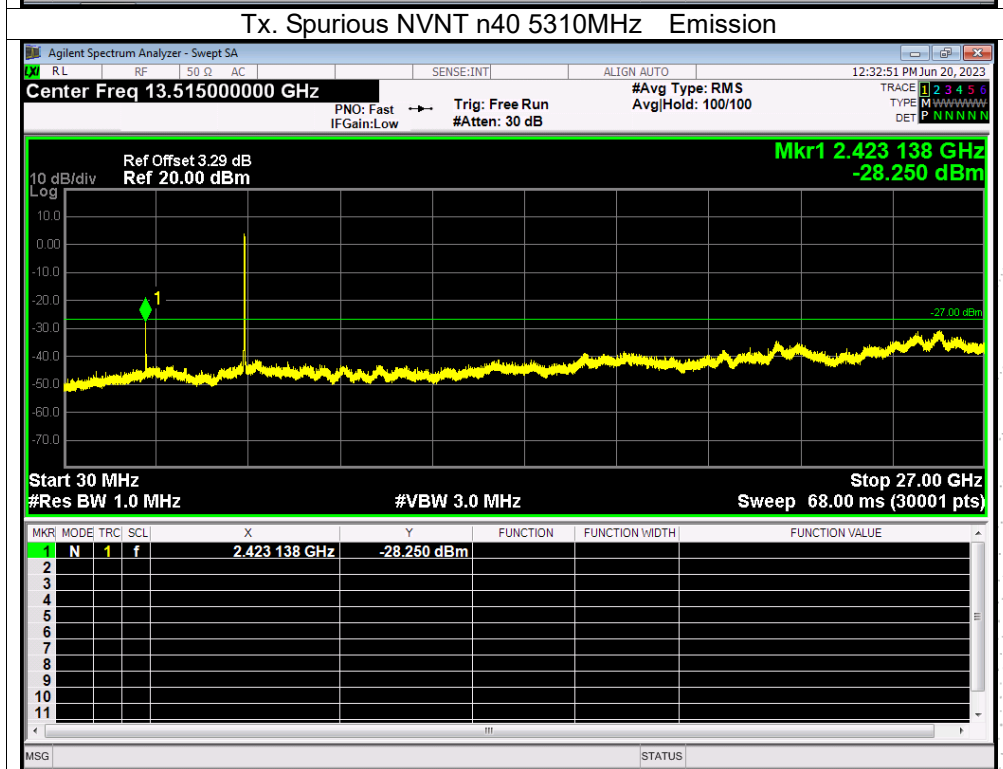
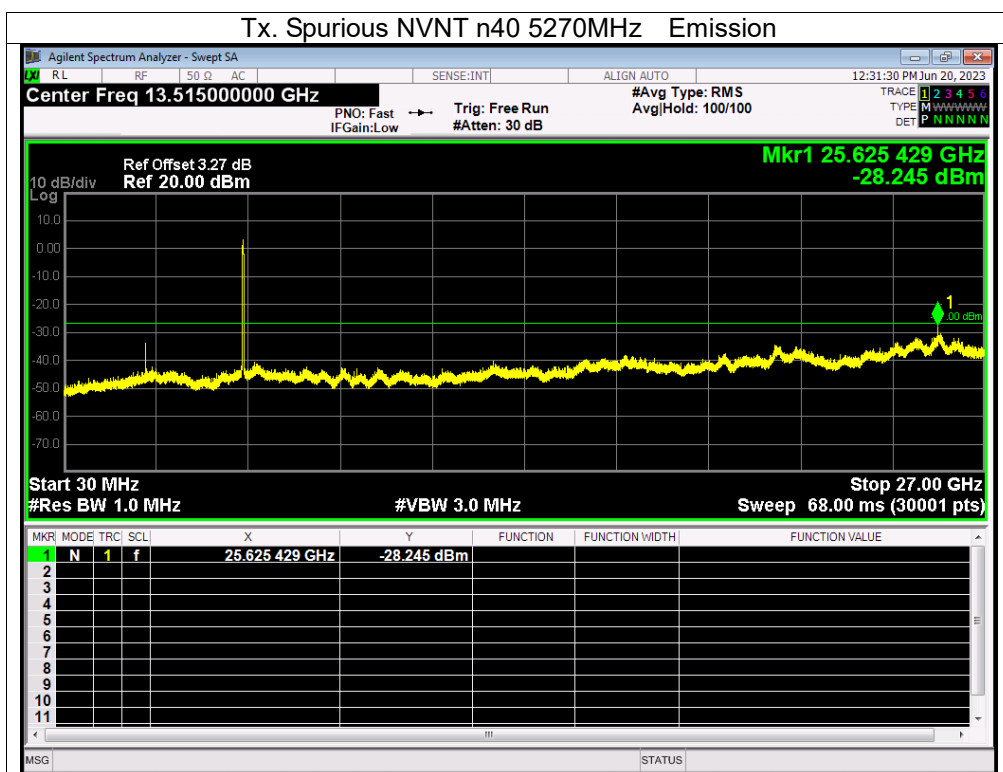


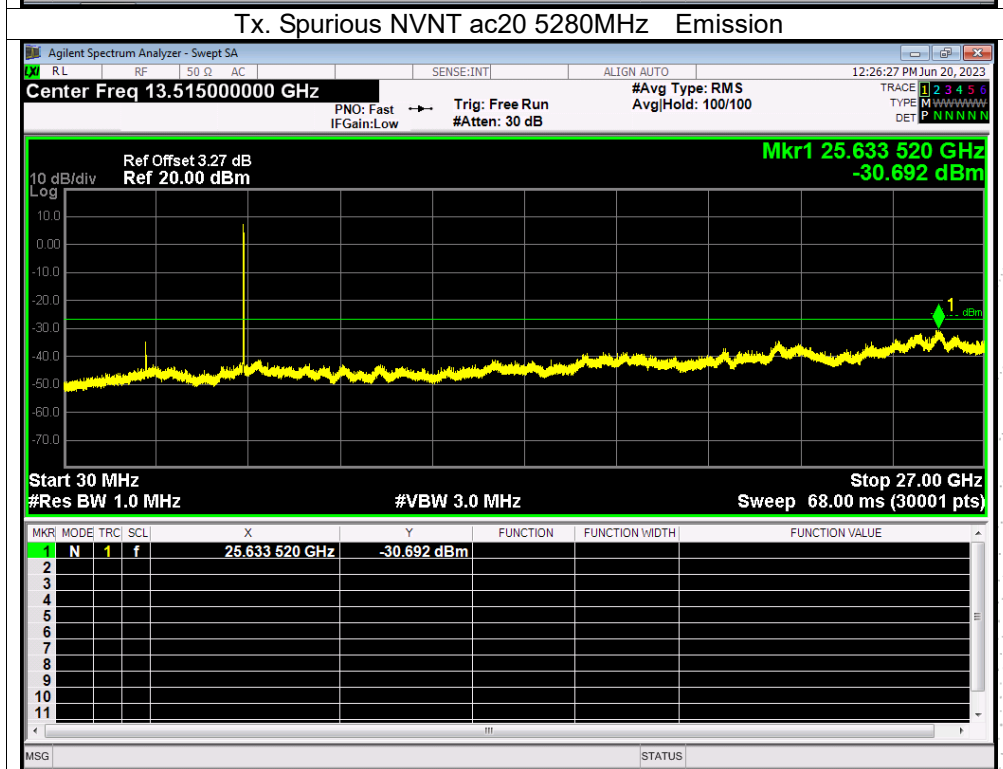
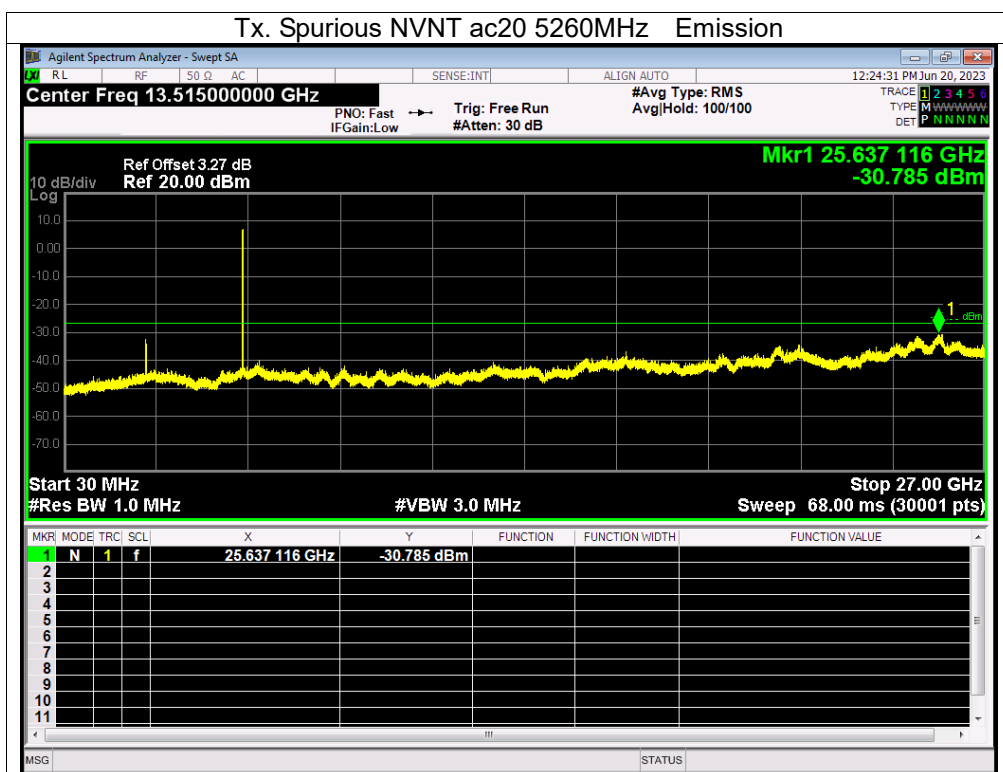
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B.
Antenna B: 5260-5320MHz

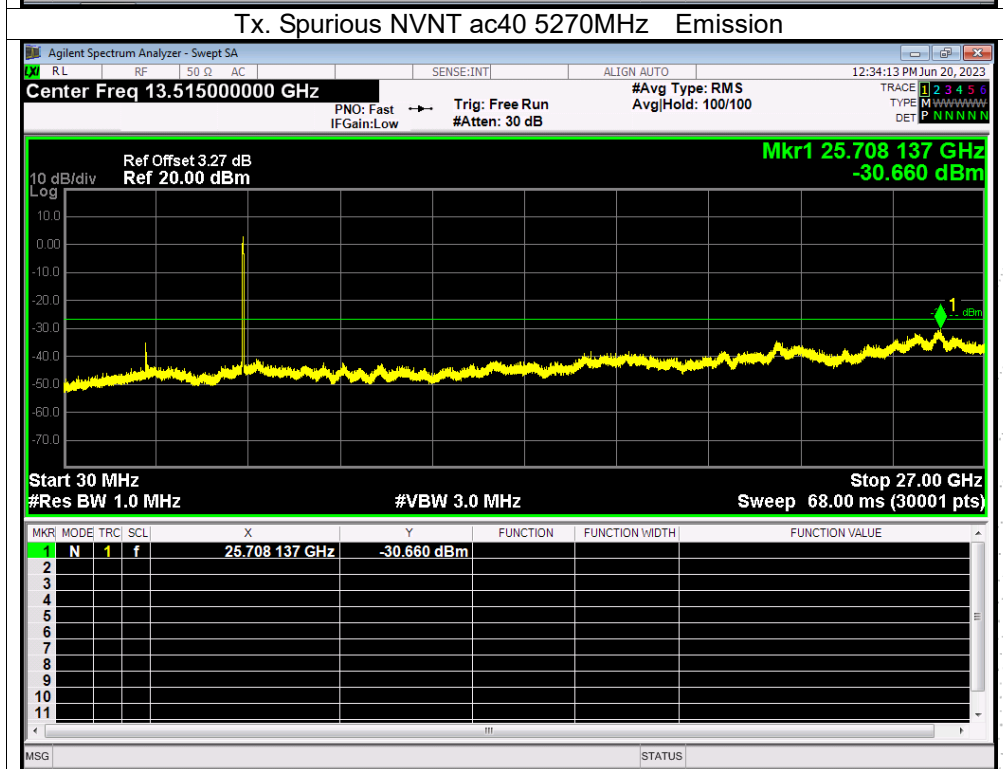
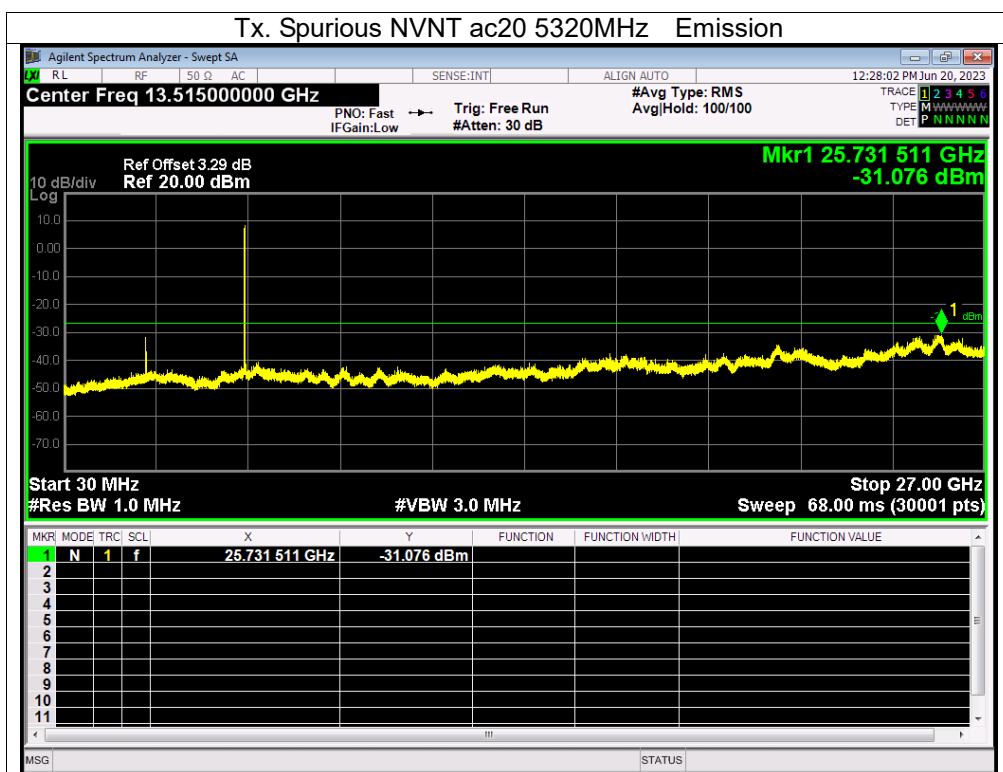


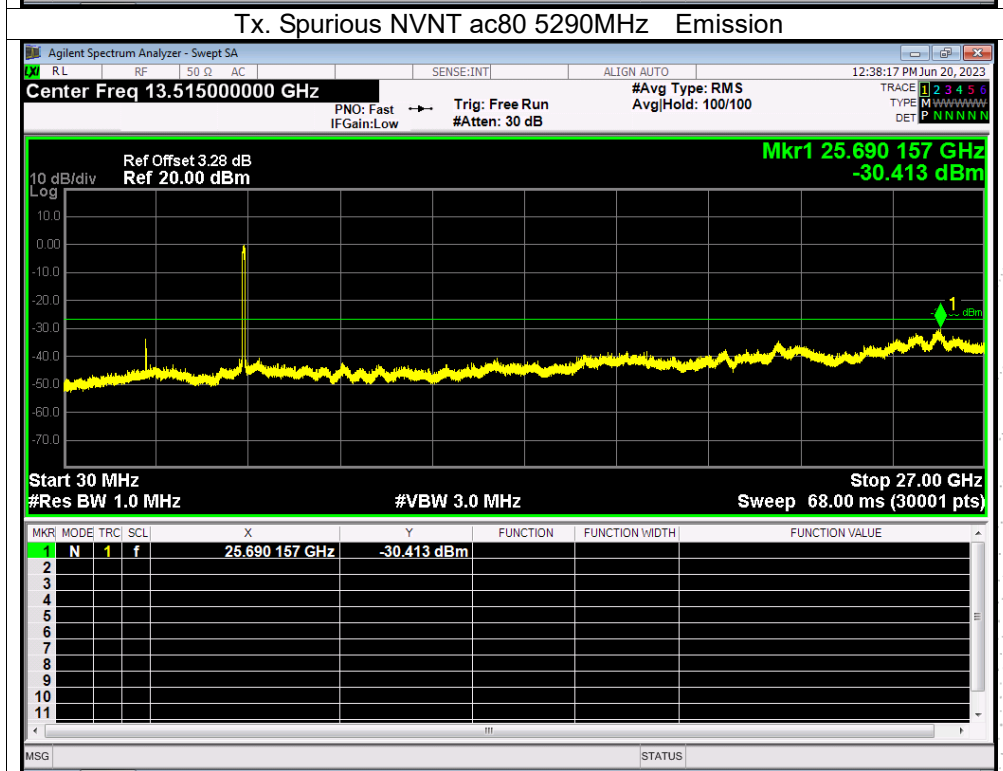
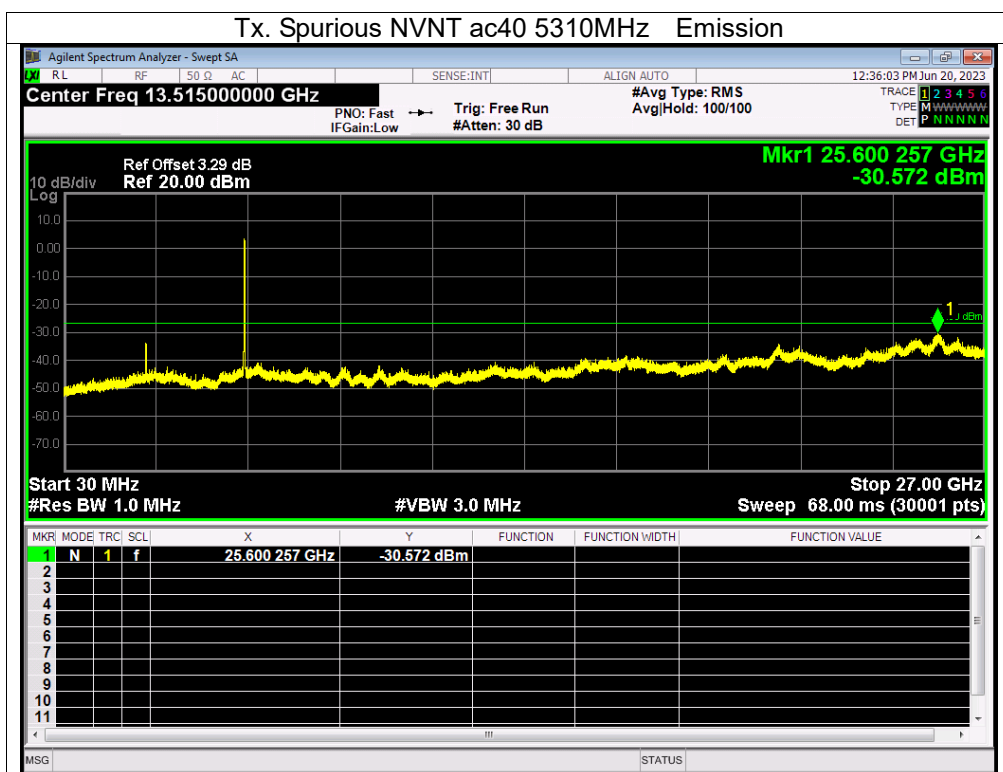




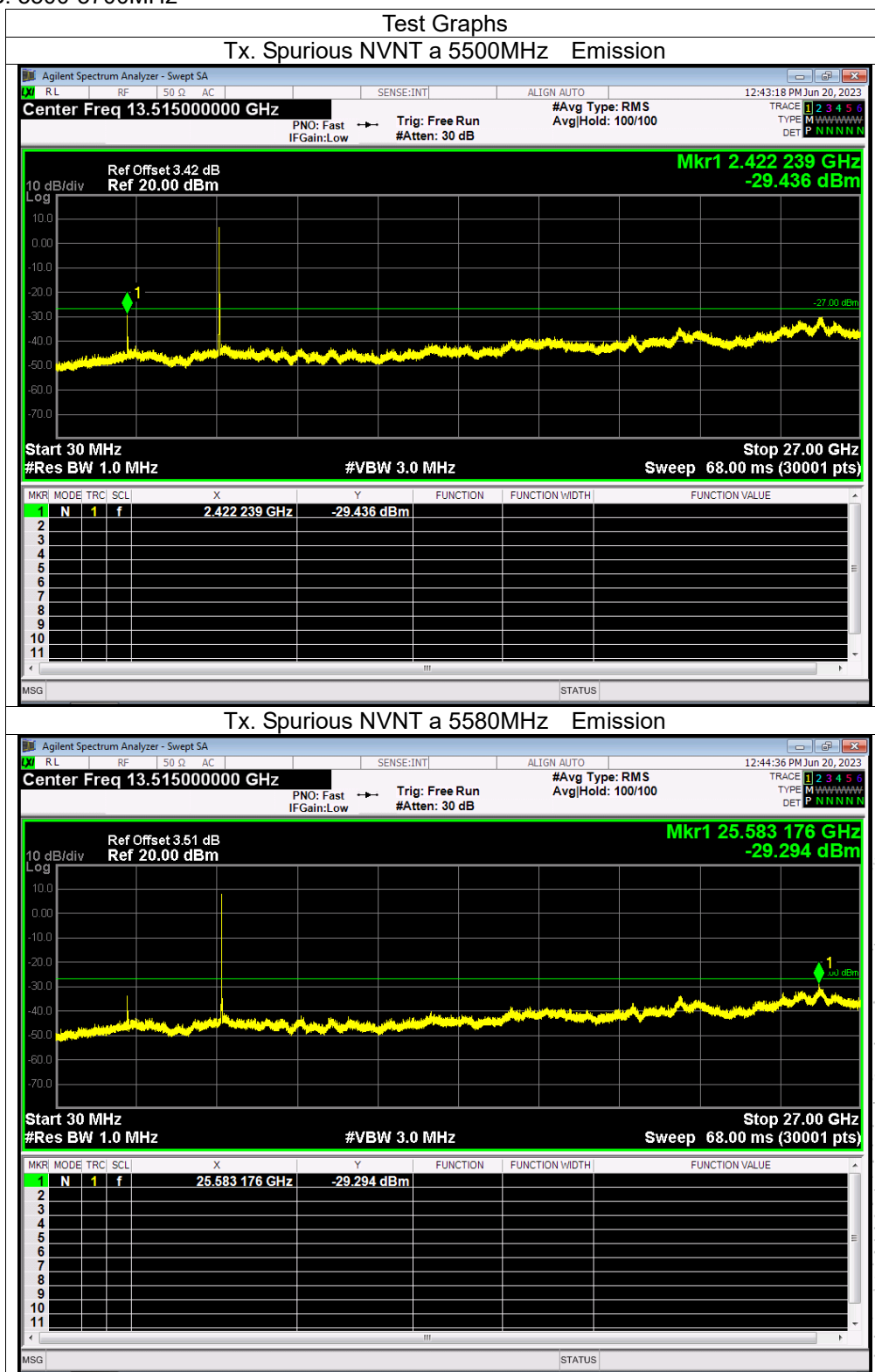


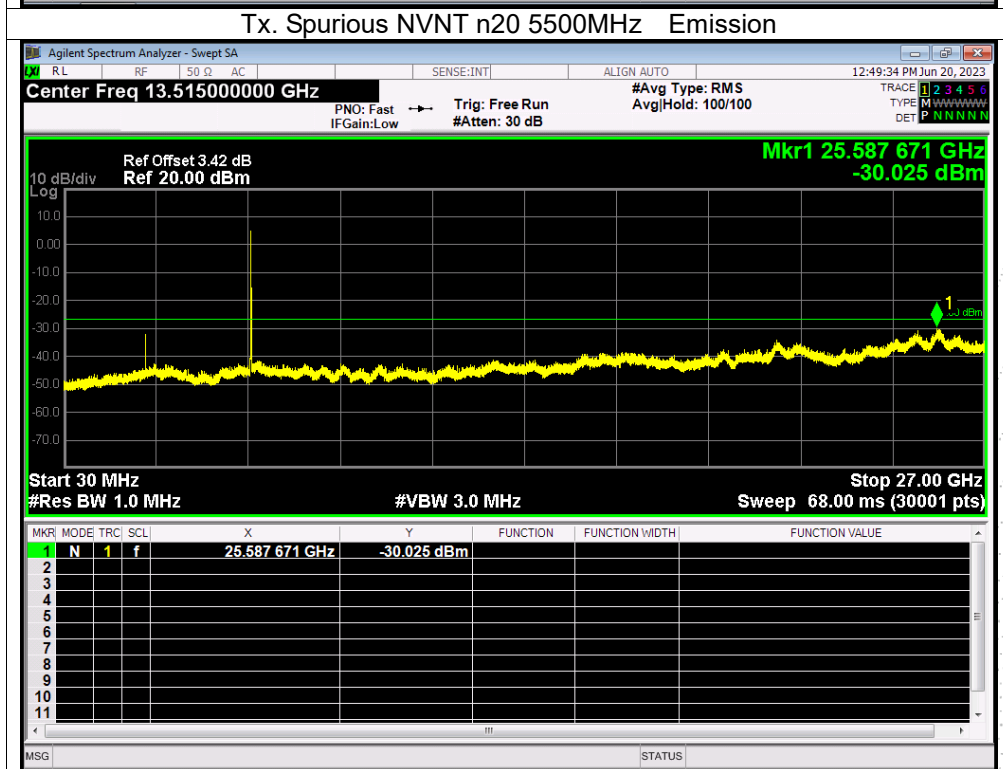
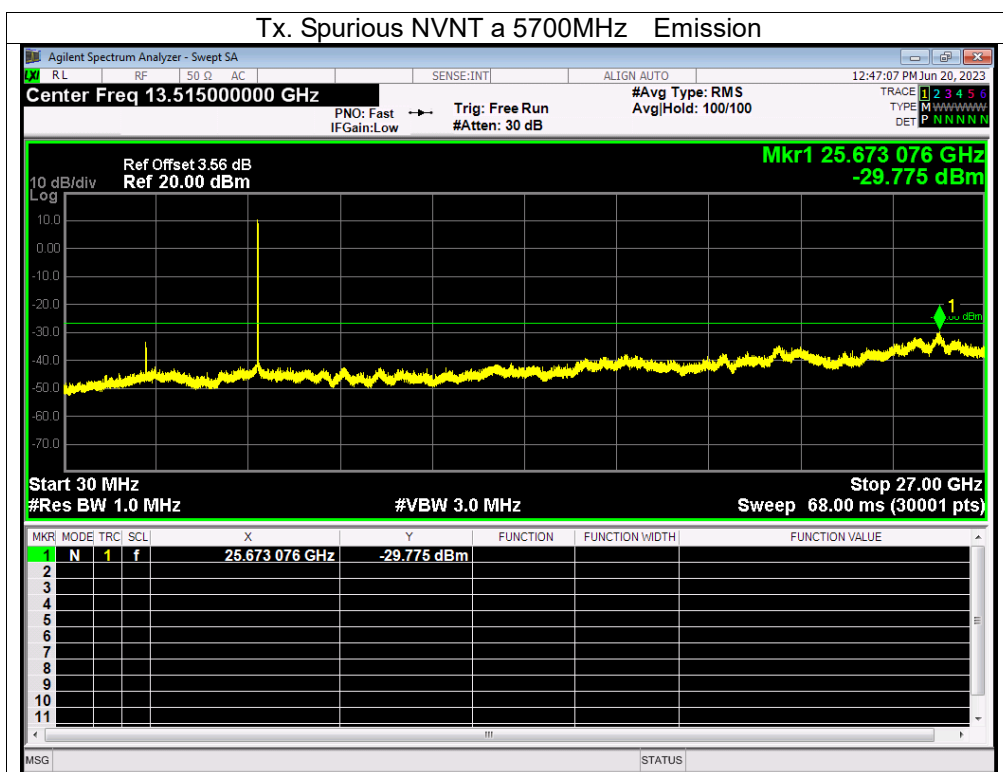


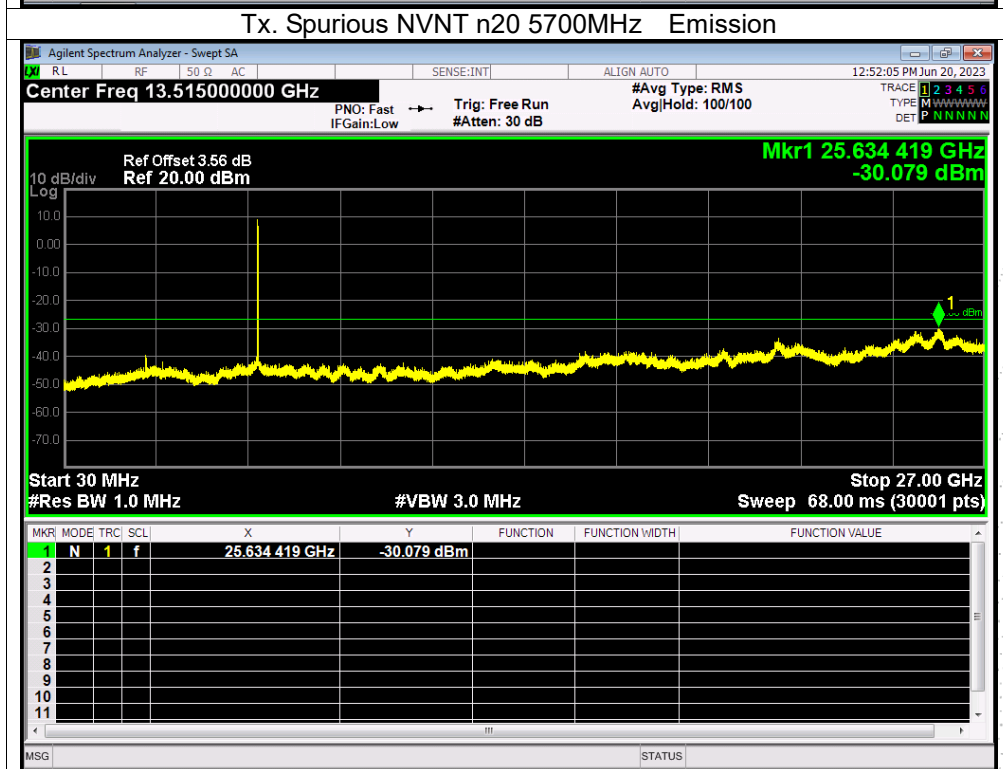
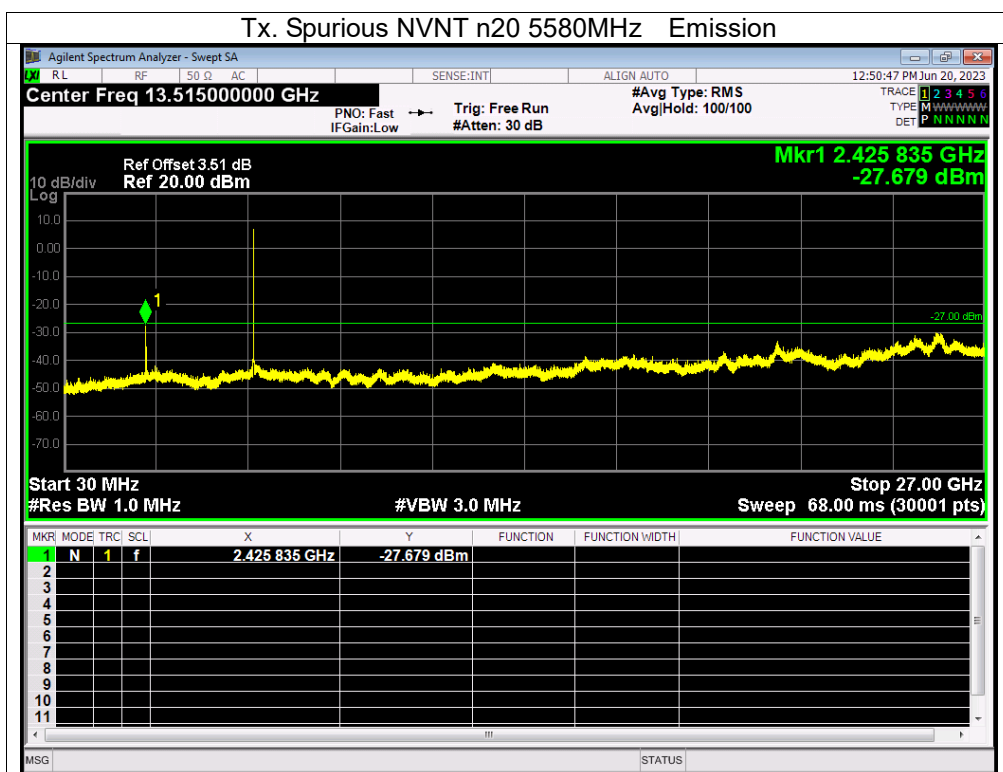


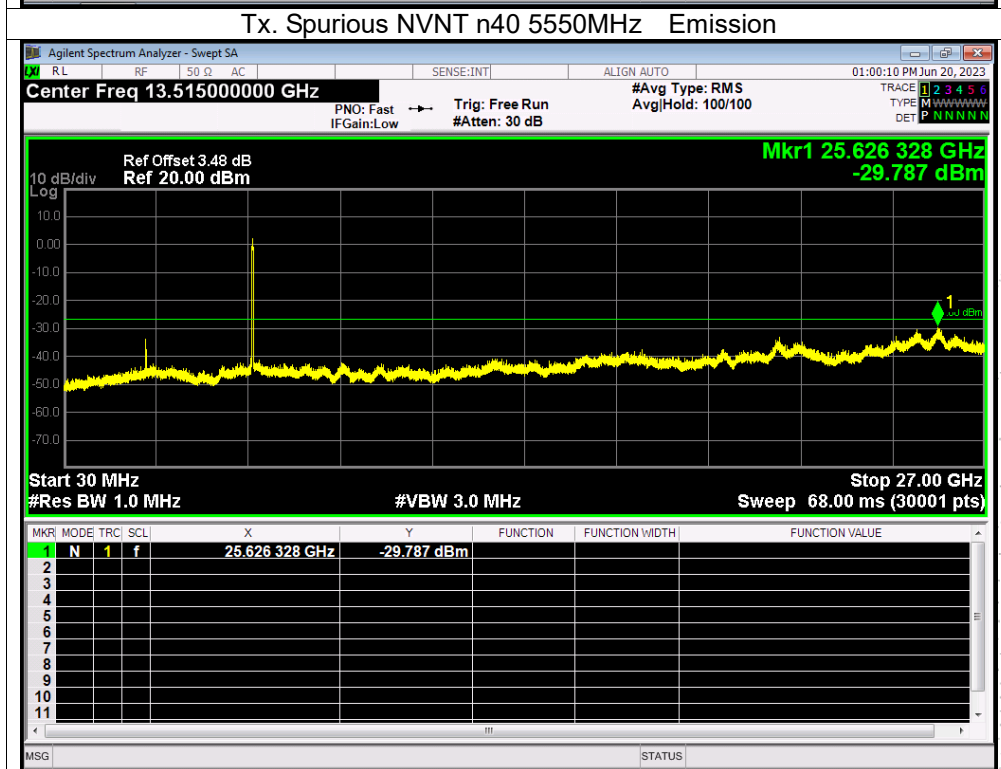
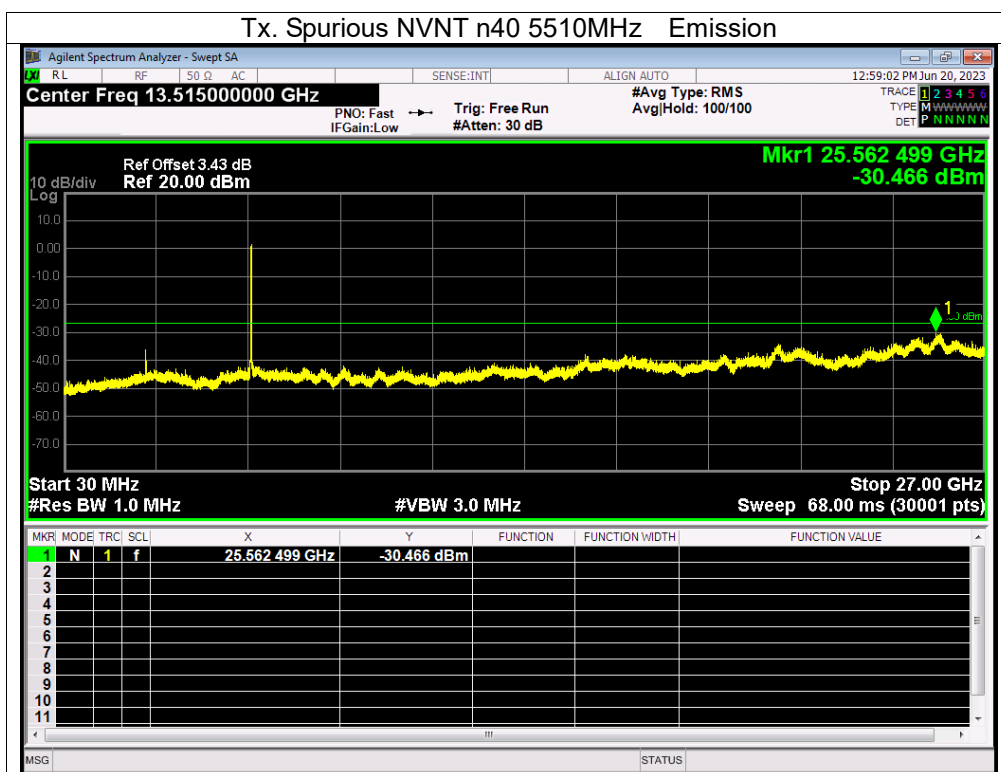


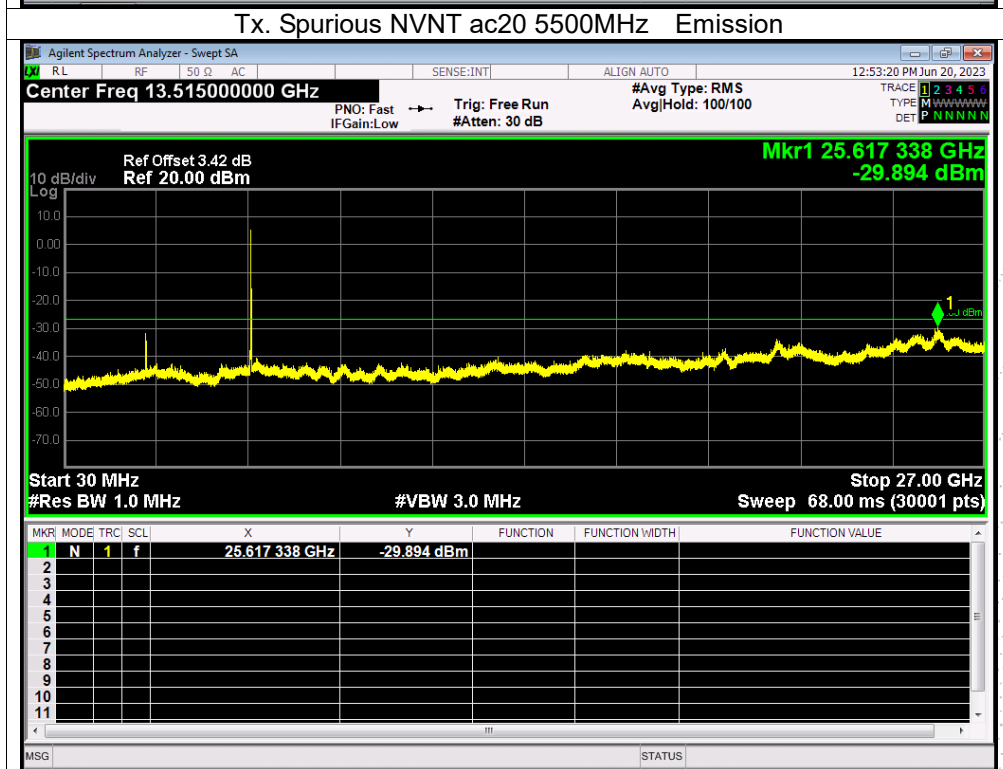
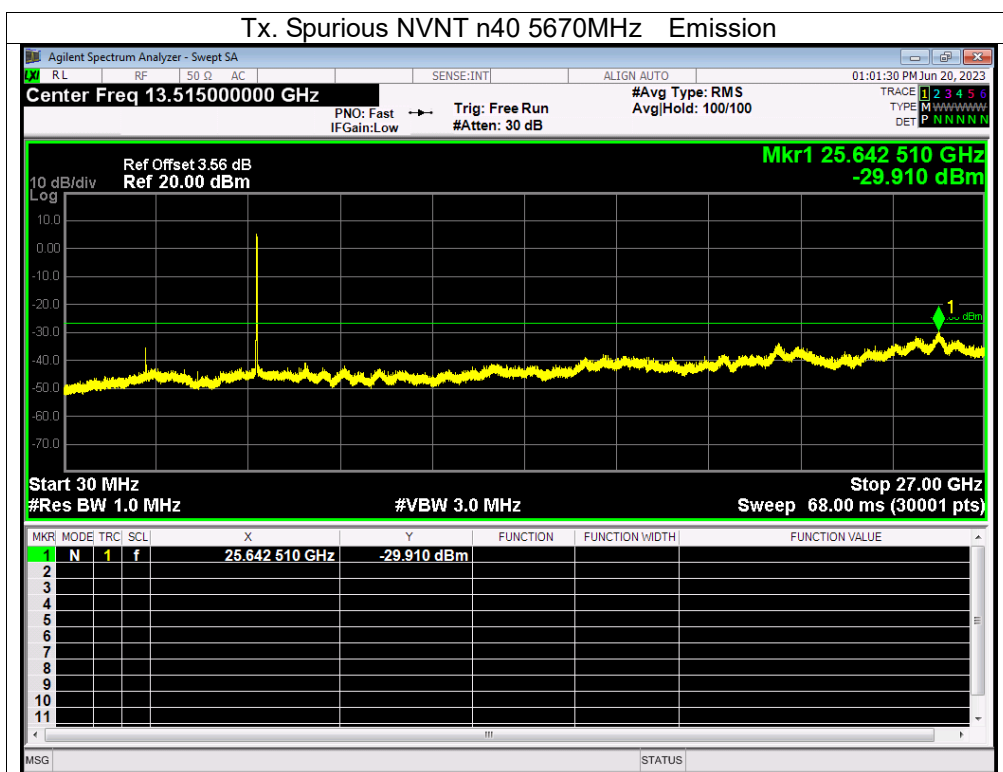
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B.
Antenna B: 5500-5700MHz

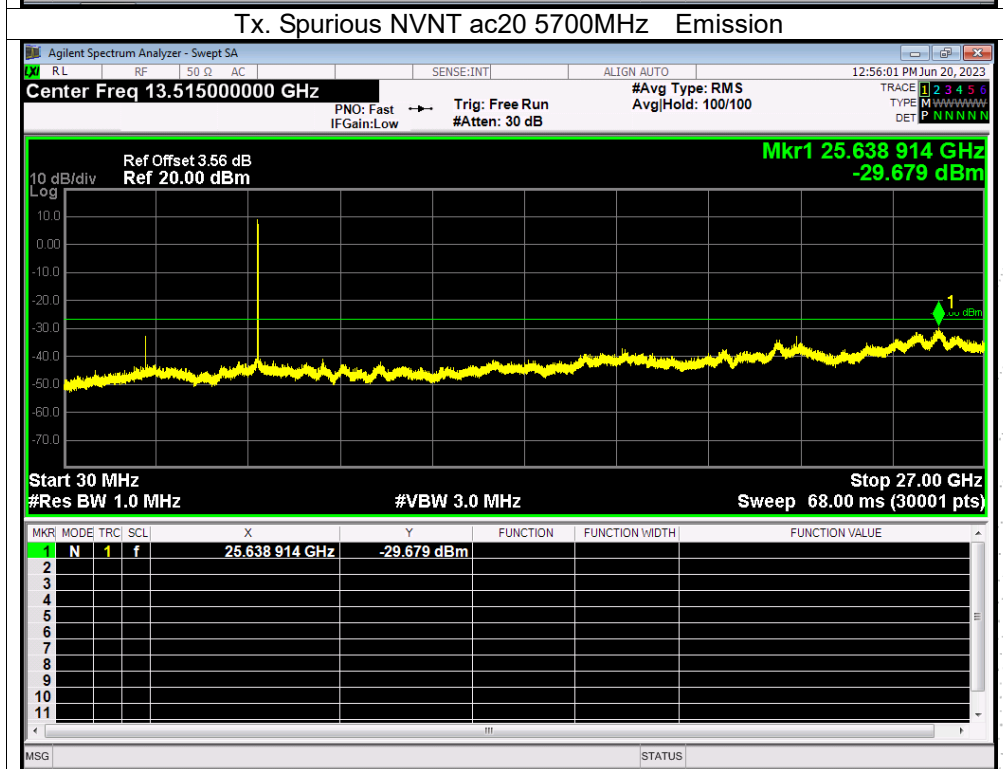
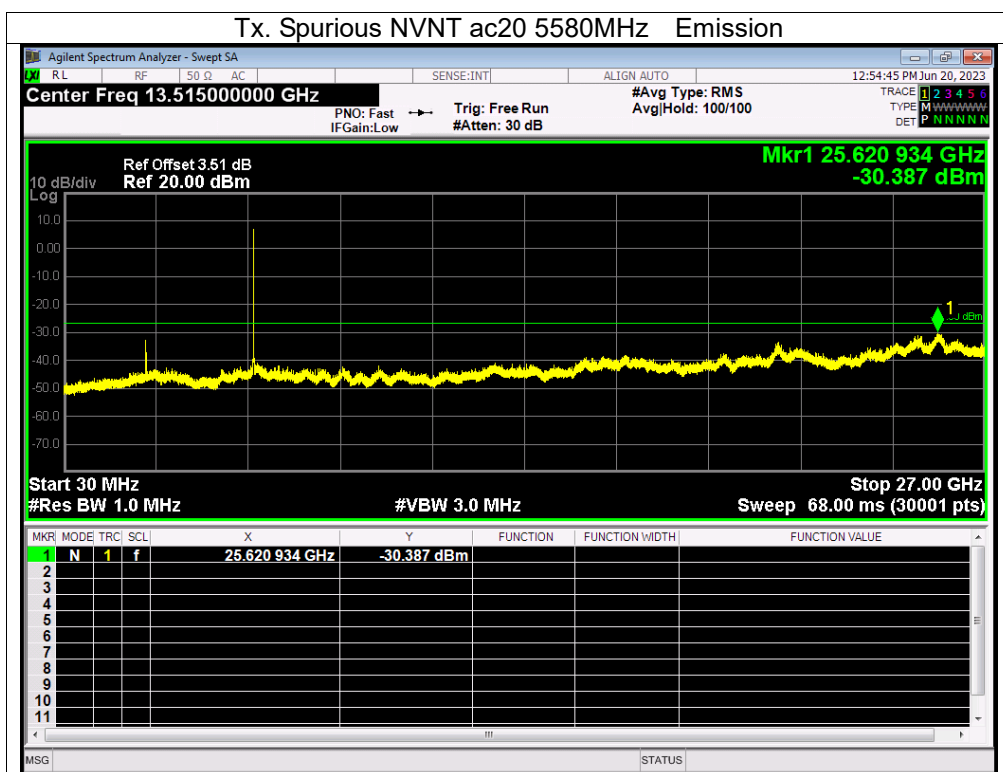


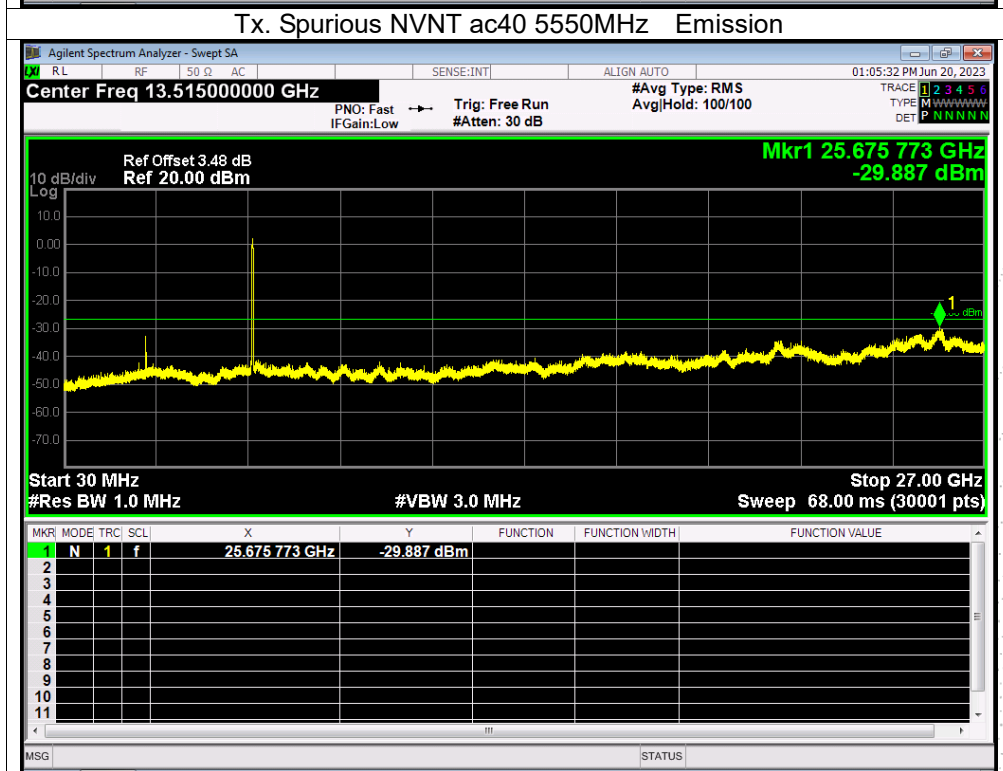
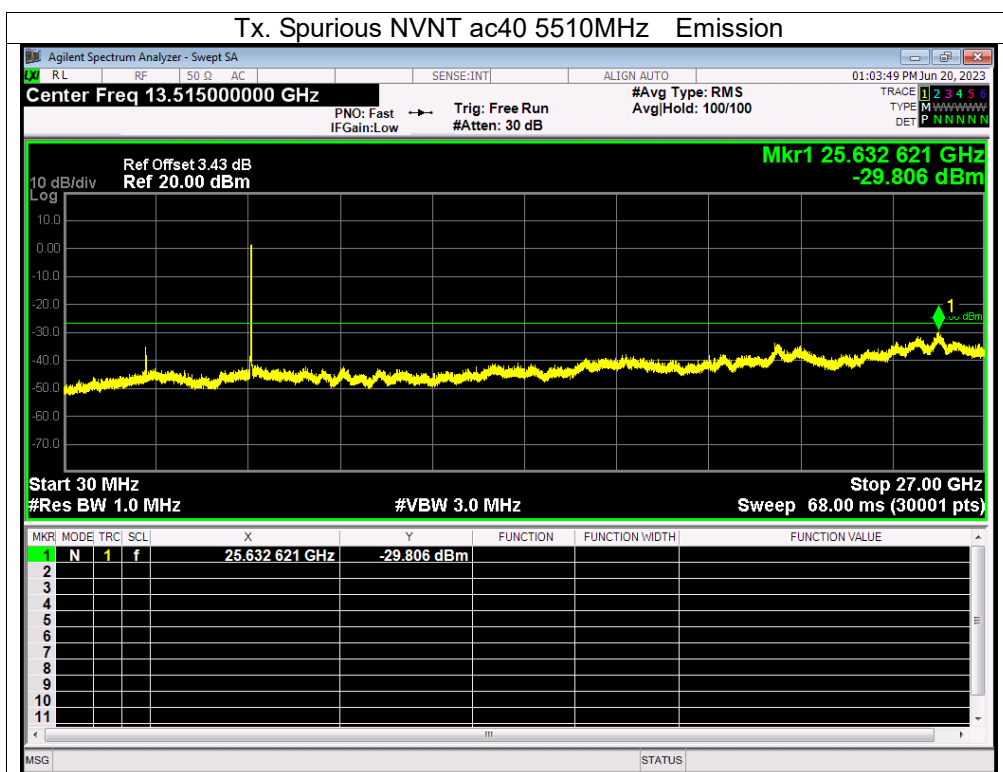


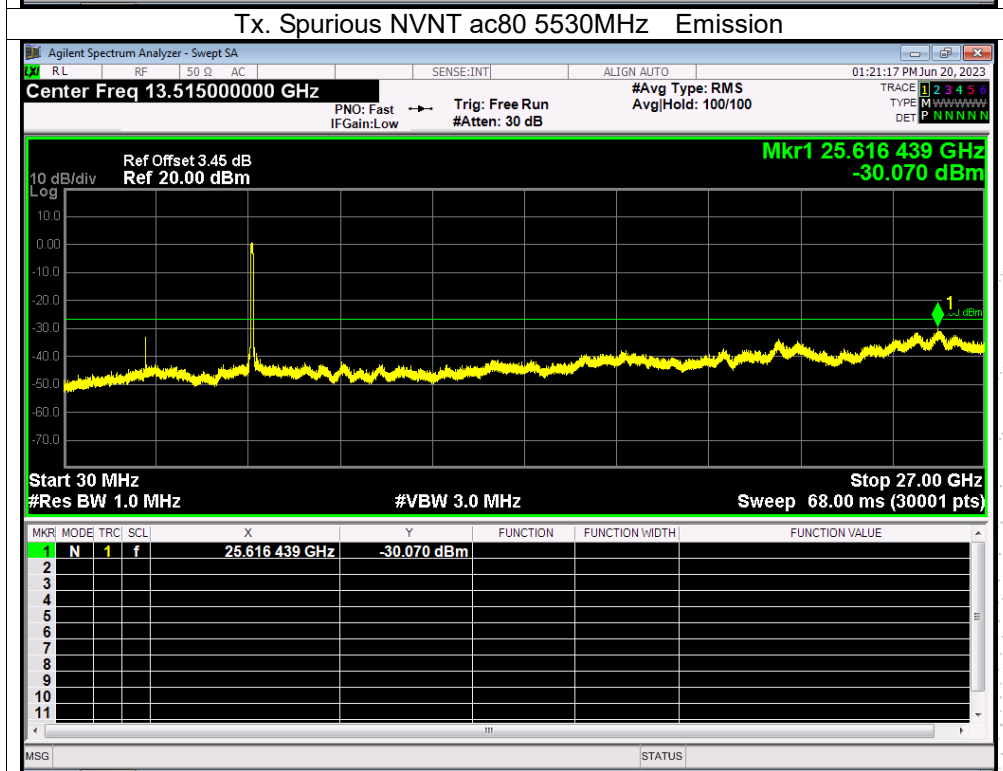
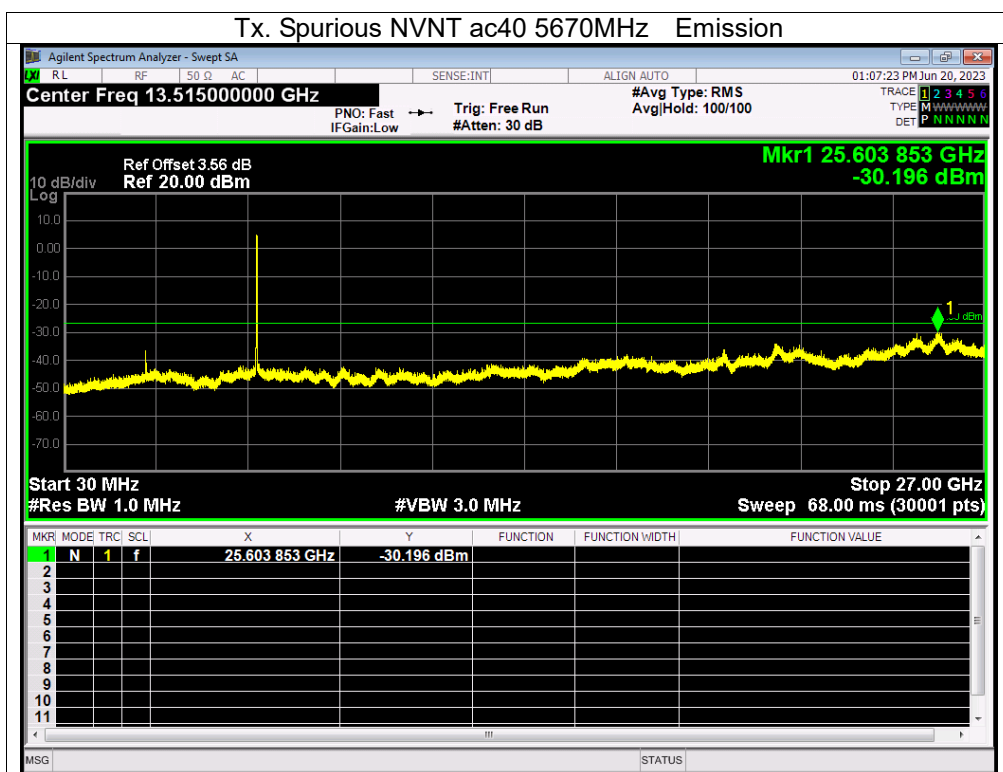




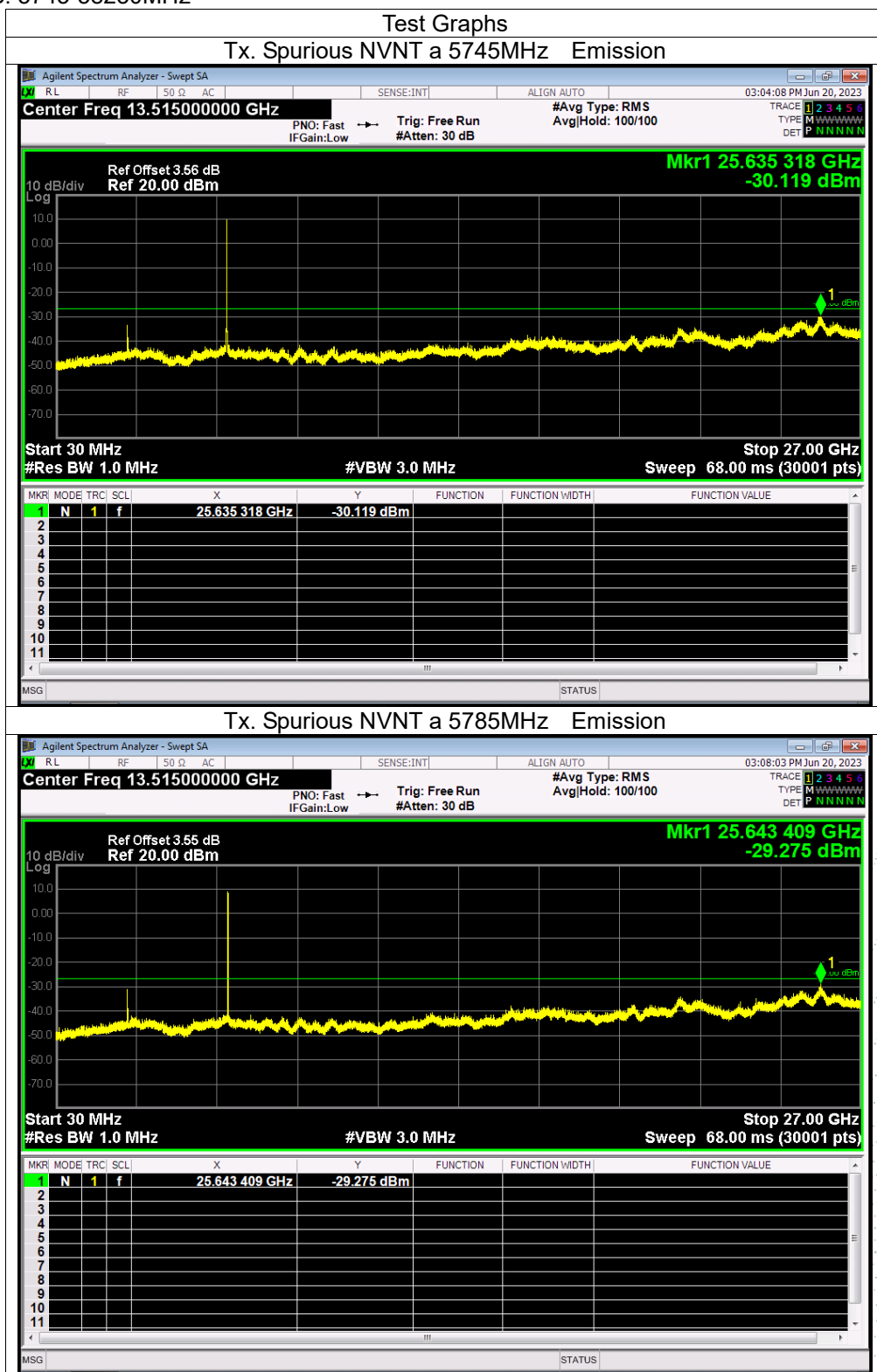


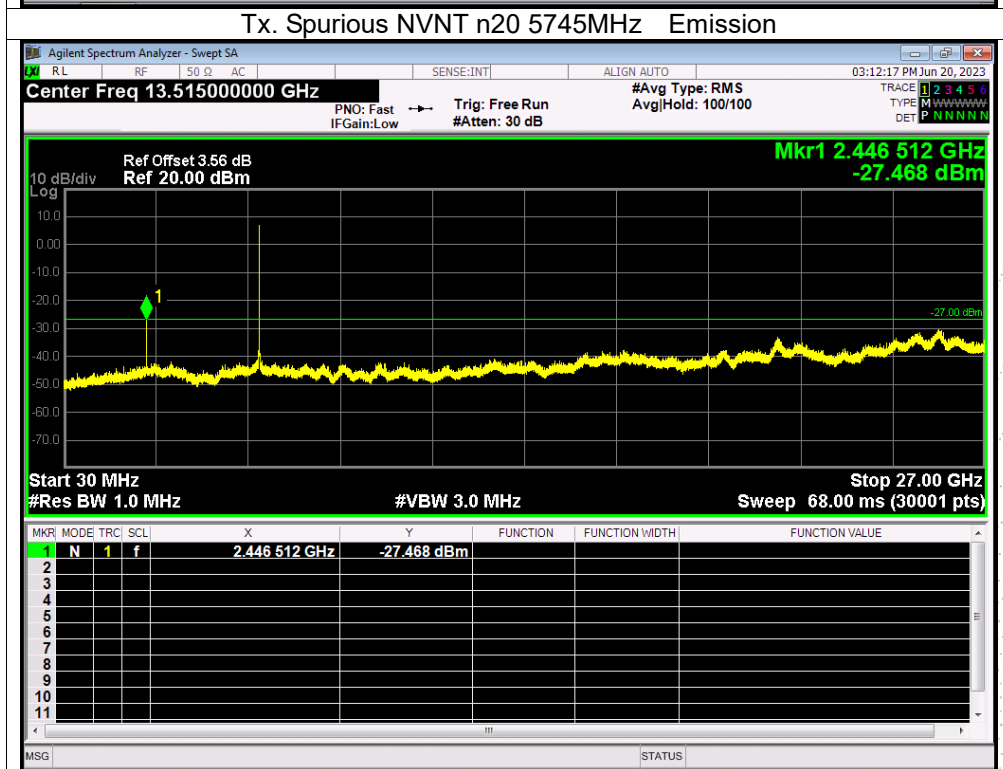
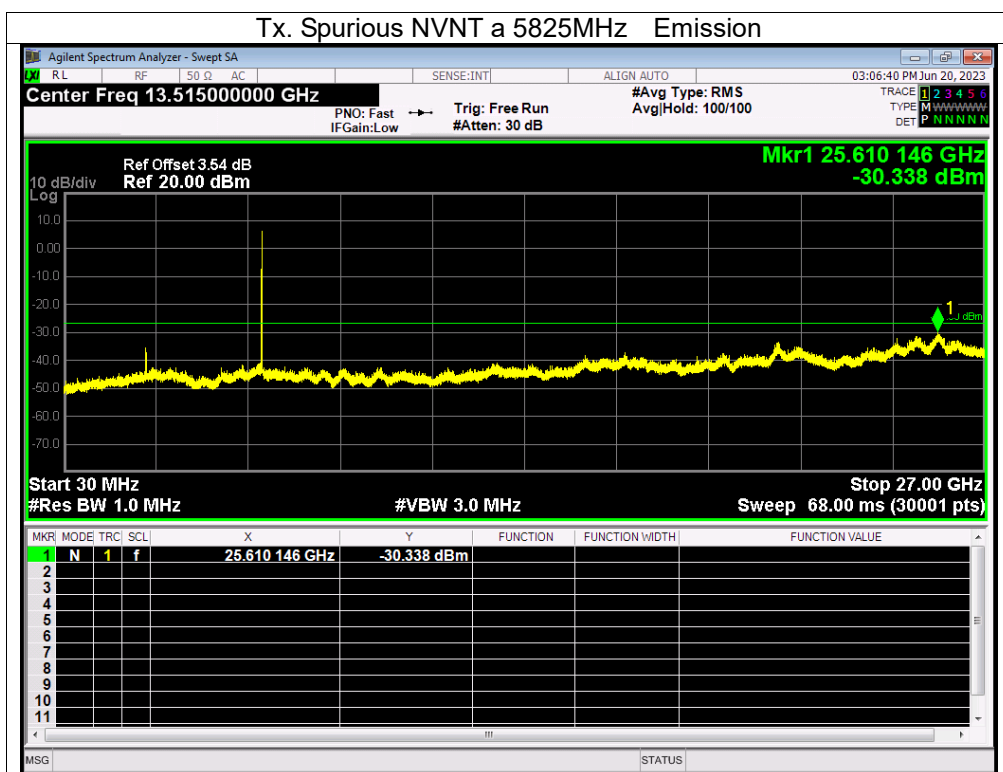


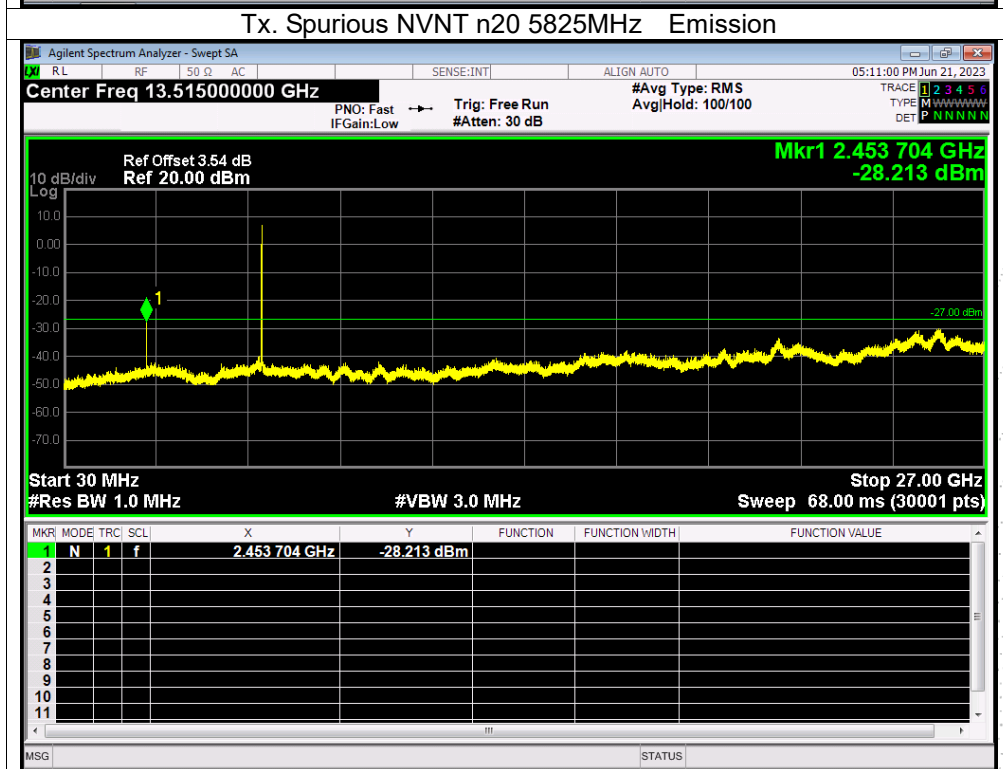
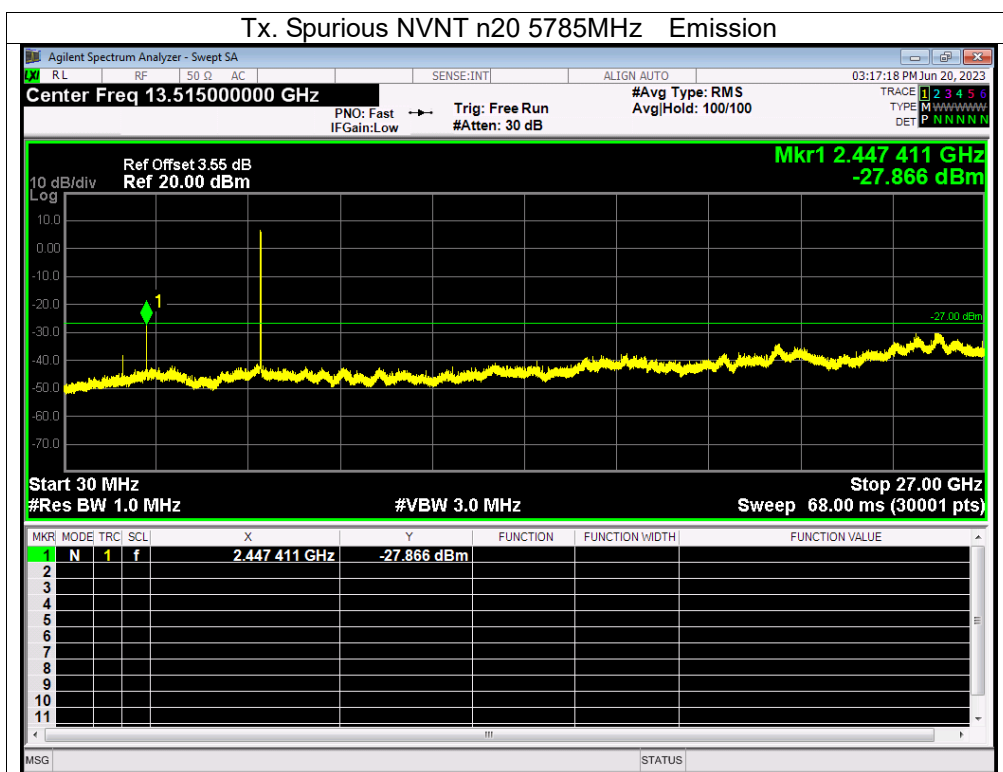


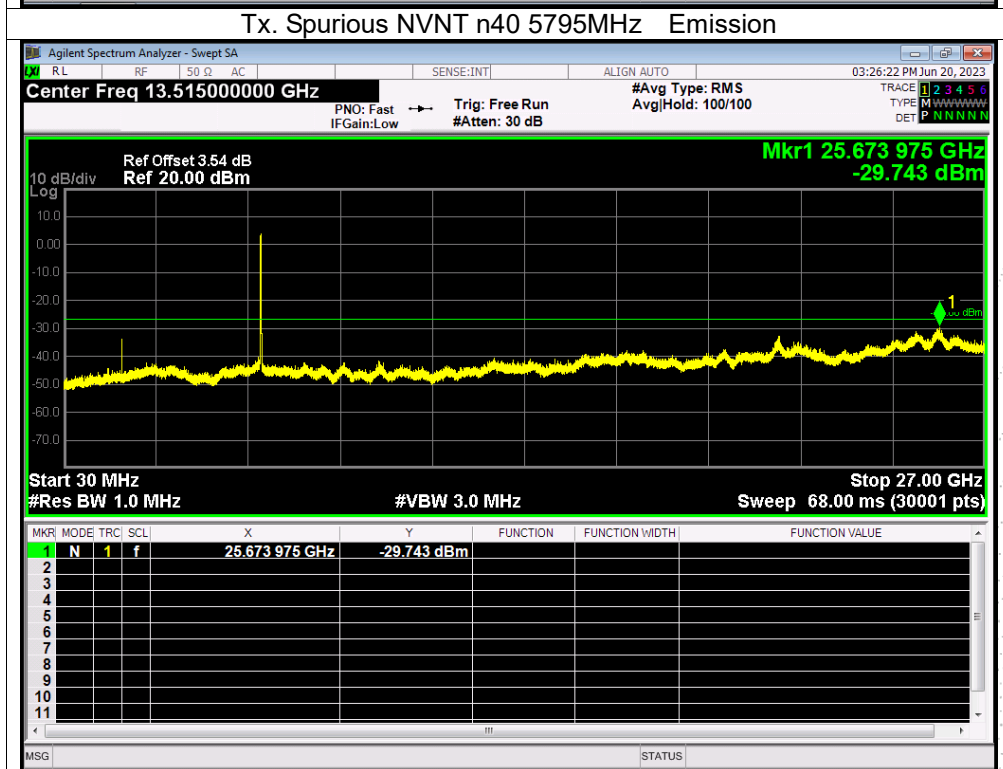
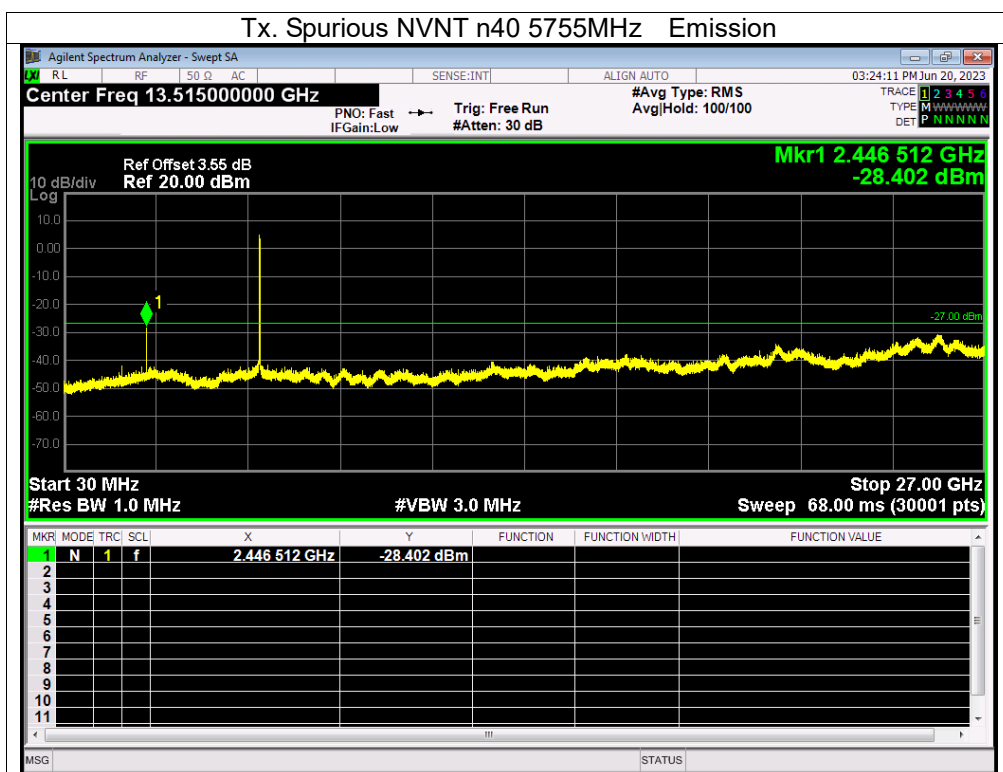


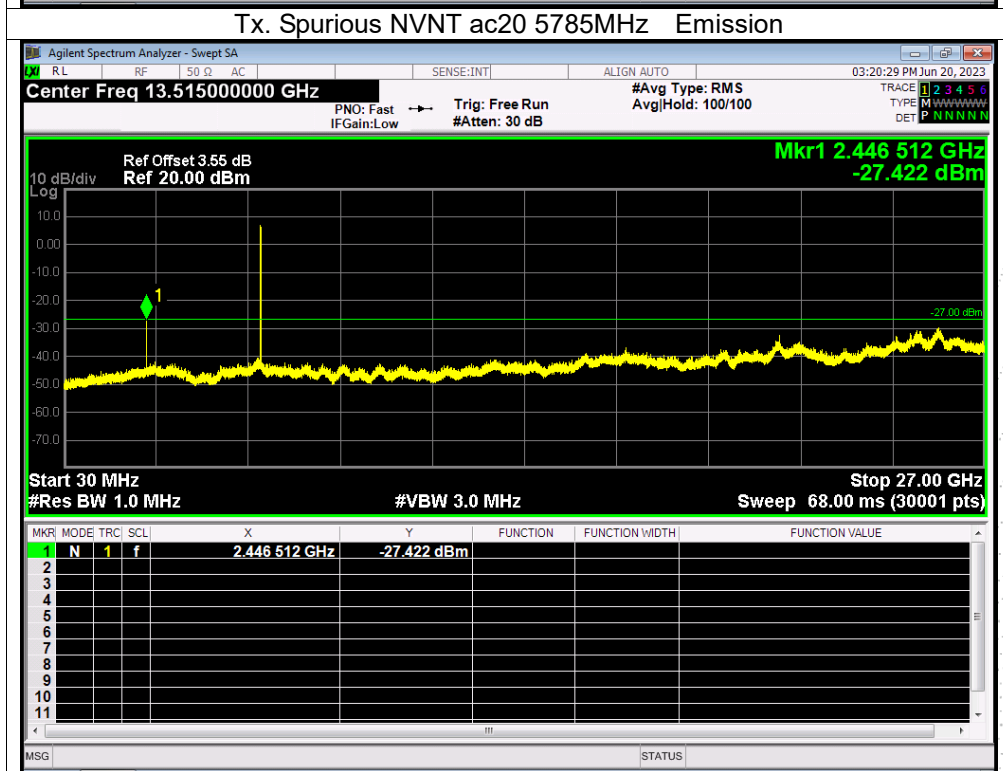
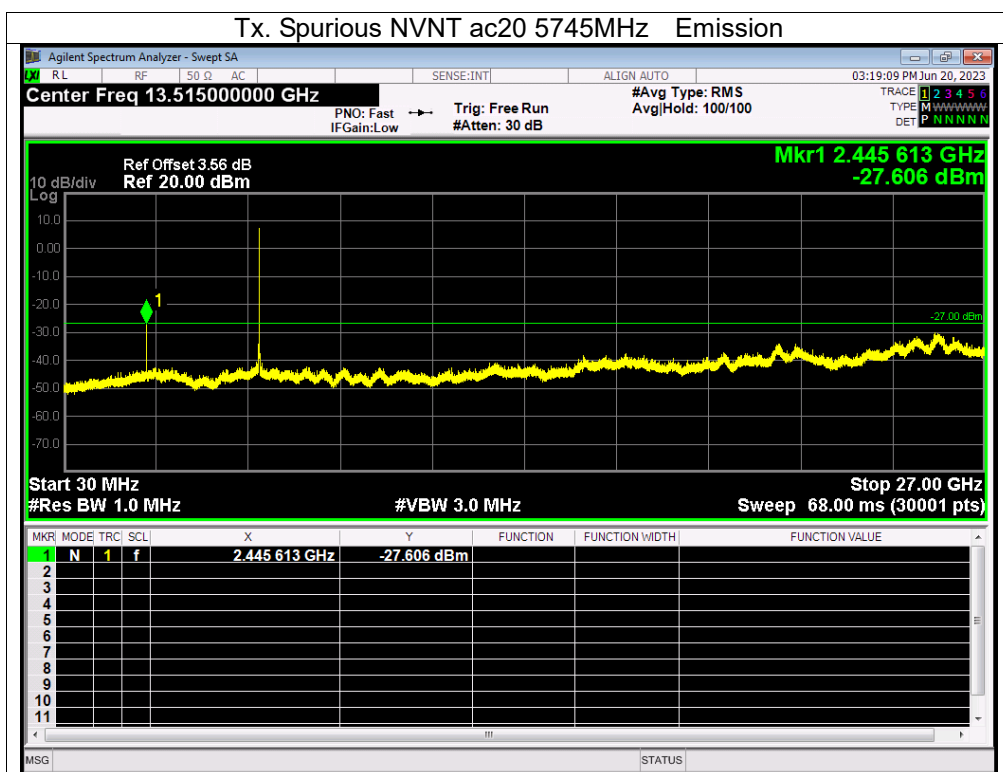
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B.
Antenna B: 5745-58250MHz

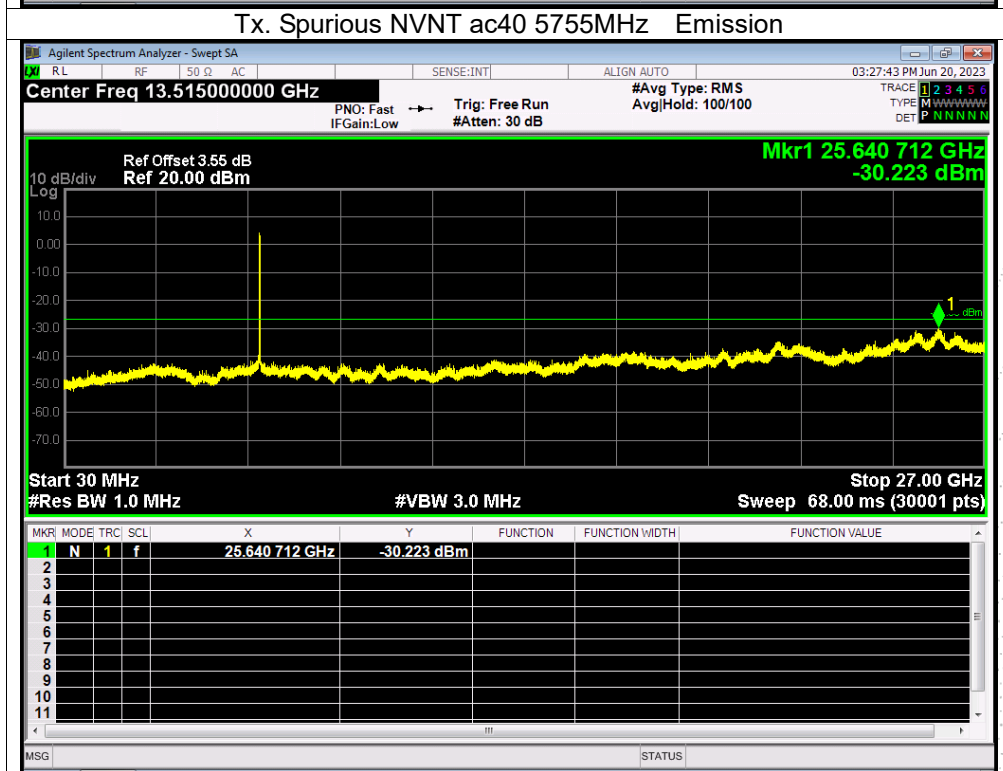
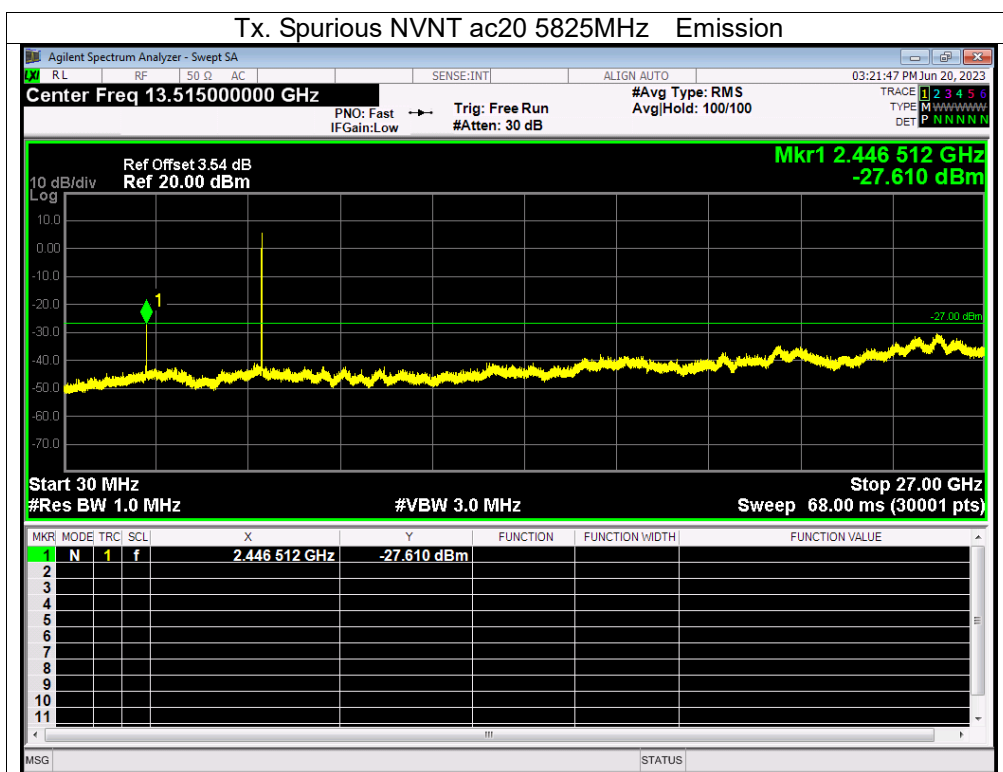


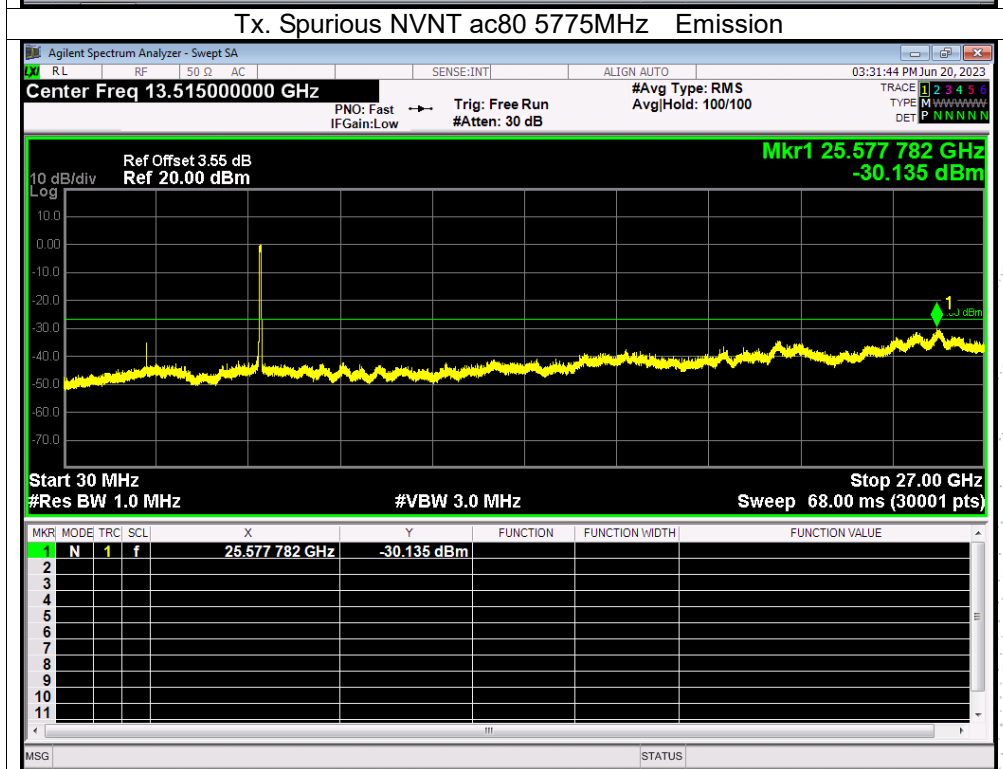
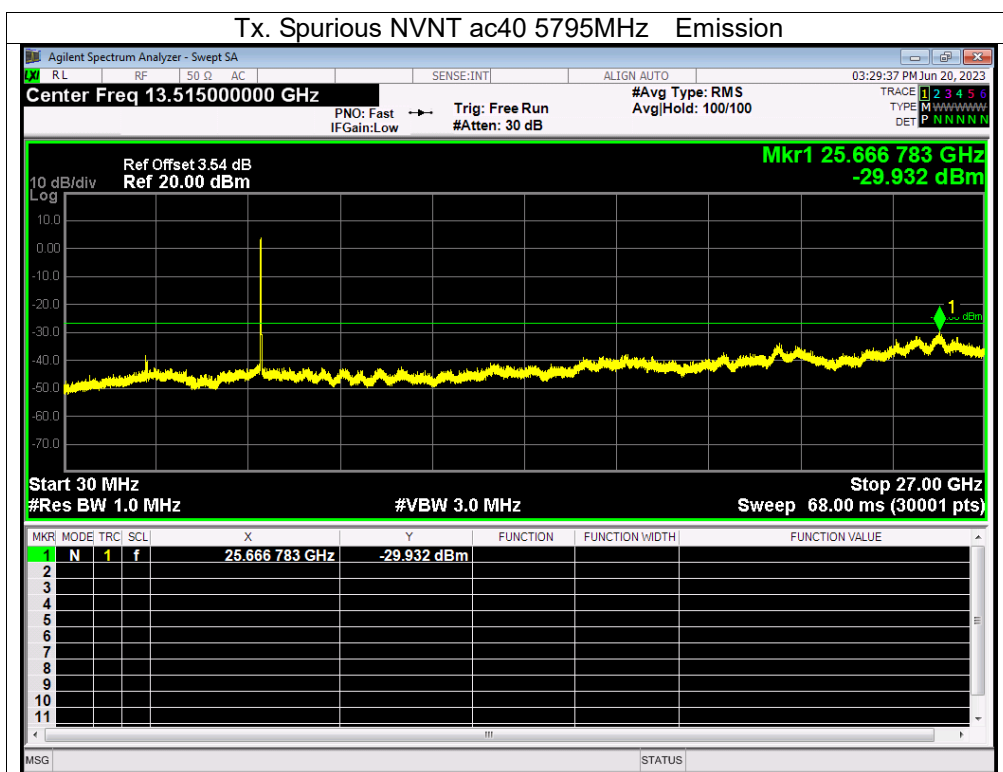












13. Frequency Stability Measurement

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 802.11nspecification).
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:	DC 5V
Test Mode:	TX (5.1G) Mode 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)	5.00	5180.0134	5180	0.0134	2.5924
		V max (V)	5.75	5180.0186	5180	0.0186	3.5950
		V min (V)	4.25	5180.0097	5180	0.0097	1.8796
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)	5	T (°C)	-20	5180.0001	5180	0.0001	0.0232
		T (°C)	-10	5180.0003	5180	0.0003	0.0583
		T (°C)	0	5180.0088	5180	0.0088	1.7005
		T (°C)	10	5180.0009	5180	0.0009	0.1753
		T (°C)	20	5180.0007	5180	0.0007	0.1389
		T (°C)	30	5180.0027	5180	0.0027	0.5224
		T (°C)	40	5180.0133	5180	0.0133	2.5640
		T (°C)	50	5180.0127	5180	0.0127	2.4558
		T (°C)	60	5180.0026	5180	0.0026	0.5044
		T (°C)	70	5180.0075	5180	0.0075	1.4468
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)	5.00	5200.0008	5200	0.0008	0.1625
		V max (V)	5.75	5200.0088	5200	0.0088	1.6962
		V min (V)	4.25	5200.0015	5200	0.0015	0.2793
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)	5	T (°C)	-20	5200.00442	5200	0.00442	0.8501
		T (°C)	-10	5200.00219	5200	0.00219	0.4208
		T (°C)	0	5200.01196	5200	0.01196	2.2991
		T (°C)	10	5200.01064	5200	0.01064	2.0470
		T (°C)	20	5200.01144	5200	0.01144	2.2005
		T (°C)	30	5200.00147	5200	0.00147	0.2820
		T (°C)	40	5200.00243	5200	0.00243	0.4675
		T (°C)	50	5200.00663	5200	0.00663	1.2741
		T (°C)	60	5200.00135	5200	0.00135	0.2605
		T (°C)	70	5200.00053	5200	0.00053	0.1025
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)	5.00	5240.0034	5240	0.0034	0.6462
		V max (V)	5.75	5240.0078	5240	0.0078	1.4921
		V min (V)	4.25	5240.0101	5240	0.0101	1.9217
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)	5	T (°C)	-20	5240.0024	5240	0.0024	0.4620
		T (°C)	-10	5240.0117	5240	0.0117	2.2393
		T (°C)	0	5240.0090	5240	0.0090	1.7120
		T (°C)	10	5240.0040	5240	0.0040	0.7706
		T (°C)	20	5240.0002	5240	0.0002	0.0442
		T (°C)	30	5240.0129	5240	0.0129	2.4638
		T (°C)	40	5240.0039	5240	0.0039	0.7528
		T (°C)	50	5240.0095	5240	0.0095	1.8137
		T (°C)	60	5240.0125	5240	0.0125	2.3950
		T (°C)	70	5240.0132	5240	0.0132	2.5115
Limits				5150-5250 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	TX (5.3G) Mode Frequency U-NII-2A (5260-5320MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5260.0202	5260	0.0202	3.8397
		V max (V)	5.75	5260.0117	5260	0.0117	2.2163
		V min (V)	4.25	5260.0170	5260	0.0170	3.2233
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

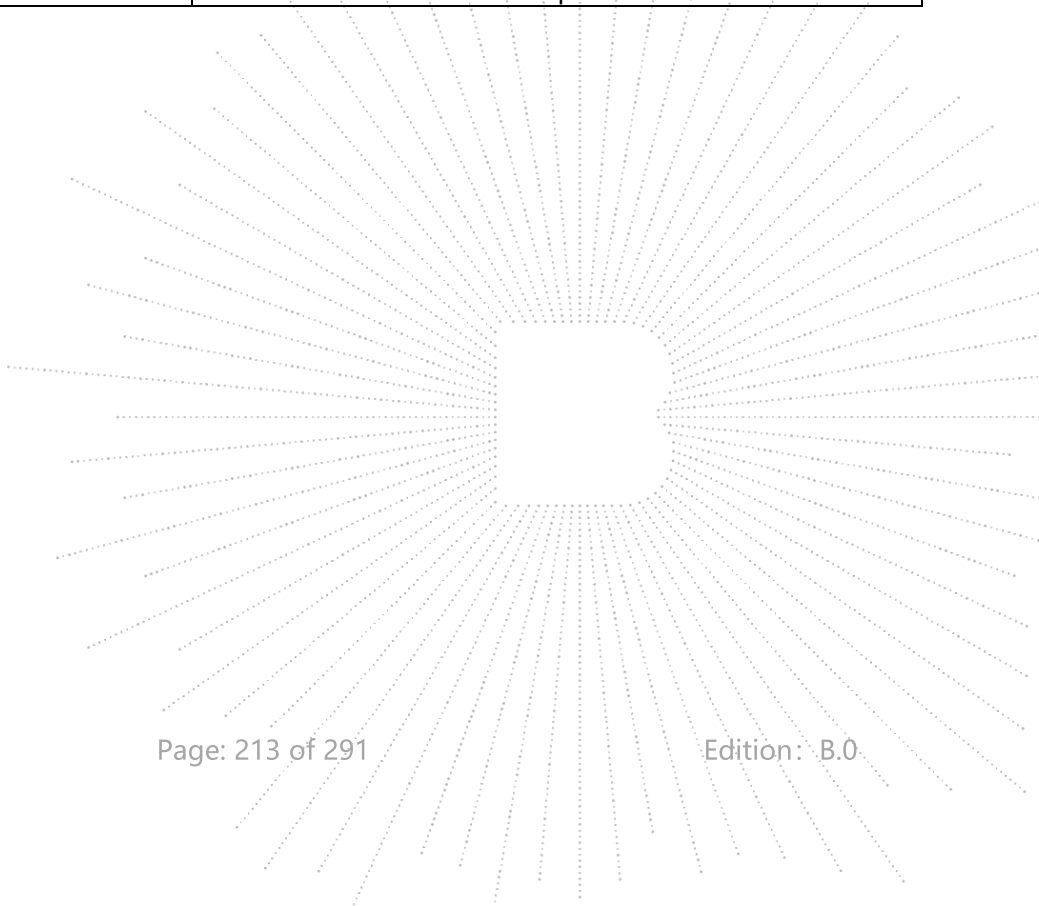
TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5260.0021	5260	0.0021	0.4053
		T (°C)	-10	5260.0060	5260	0.0060	1.1351
		T (°C)	0	5260.0115	5260	0.0115	2.1790
		T (°C)	10	5260.0045	5260	0.0045	0.8505
		T (°C)	20	5260.0025	5260	0.0025	0.4805
		T (°C)	30	5260.0005	5260	0.0005	0.0917
		T (°C)	40	5260.0032	5260	0.0032	0.6079
		T (°C)	50	5260.0069	5260	0.0069	1.3155
		T (°C)	60	5260.0025	5260	0.0025	0.4833
		T (°C)	70	5260.0031	5260	0.0031	0.5812
Limits				5260-5320 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5280.0097	5280	0.0097	1.8302
		V max (V)	5.75	5280.0025	5280	0.0025	0.4763
		V min (V)	4.25	5280.0020	5280	0.0020	0.3758
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5280MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5280.00418	5280	0.00418	0.7913
		T (°C)	-10	5280.01034	5280	0.01034	1.9592
		T (°C)	0	5280.00037	5280	0.00037	0.0694
		T (°C)	10	5280.00456	5280	0.00456	0.8635
		T (°C)	20	5280.00953	5280	0.00953	1.8053
		T (°C)	30	5280.01280	5280	0.01280	2.4240
		T (°C)	40	5280.00205	5280	0.00205	0.3880
		T (°C)	50	5280.00140	5280	0.00140	0.2650
		T (°C)	60	5280.00721	5280	0.00721	1.3656
		T (°C)	70	5280.00312	5280	0.00312	0.5912
Limits				5260-5320 MHz			
Result				Complies			



Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5320.0091	5320	0.0091	1.7180
		V max (V)	5.75	5320.0033	5320	0.0033	0.6168
		V min (V)	4.25	5320.0103	5320	0.0103	1.9352
Limits				5260-5320 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5320.0095	5320	0.0095	1.7934
		T (°C)	-10	5320.0006	5320	0.0006	0.1173
		T (°C)	0	5320.0092	5320	0.0092	1.7308
		T (°C)	10	5320.0099	5320	0.0099	1.8585
		T (°C)	20	5320.0045	5320	0.0045	0.8458
		T (°C)	30	5320.0084	5320	0.0084	1.5739
		T (°C)	40	5320.0002	5320	0.0002	0.0357
		T (°C)	50	5320.0028	5320	0.0028	0.5223
		T (°C)	60	5320.0050	5320	0.0050	0.9410
		T (°C)	70	5320.0065	5320	0.0065	1.2174
Limits				5260-5320 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	TX (5.6G) Mode Frequency U-NII-2C (5500-5700MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5500.0181	5500	0.0181	3.2857
		V max (V)	5.75	5500.0099	5500	0.0099	1.7983
		V min (V)	4.25	5500.0150	5500	0.0150	2.7361
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5500.0080	5500	0.0080	1.4513
		T (°C)	-10	5500.0068	5500	0.0068	1.2354
		T (°C)	0	5500.0042	5500	0.0042	0.7643
		T (°C)	10	5500.0013	5500	0.0013	0.2389
		T (°C)	20	5500.0050	5500	0.0050	0.9145
		T (°C)	30	5500.0006	5500	0.0006	0.1114
		T (°C)	40	5500.0135	5500	0.0135	2.4594
		T (°C)	50	5500.0033	5500	0.0033	0.6080
		T (°C)	60	5500.0006	5500	0.0006	0.1054
		T (°C)	70	5500.0114	5500	0.0114	2.0757
Limits				5500-5700 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5580.0016	5580	0.0016	0.2791
		V max (V)	5.75	5580.0001	5580	0.0001	0.0184
		V min (V)	4.25	5580.0003	5580	0.0003	0.0620
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5580.01042	5580	0.01042	1.8669
		T (°C)	-10	5580.00673	5580	0.00673	1.2058
		T (°C)	0	5580.00357	5580	0.00357	0.6394
		T (°C)	10	5580.01280	5580	0.01280	2.2942
		T (°C)	20	5580.00688	5580	0.00688	1.2327
		T (°C)	30	5580.00203	5580	0.00203	0.3643
		T (°C)	40	5580.01354	5580	0.01354	2.4269
		T (°C)	50	5580.01294	5580	0.01294	2.3184
		T (°C)	60	5580.00555	5580	0.00555	0.9944
		T (°C)	70	5580.01218	5580	0.01218	2.1819
Limits				5500-5700 MHz			
Result				Complies			

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5700.0013	5700	0.0013	0.2269
		V max (V)	5.75	5700.0068	5700	0.0068	1.1927
		V min (V)	4.25	5700.0073	5700	0.0073	1.2761
Limits				5500-5700 MHz			
Result				Complies			

Temperature vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5700MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5700.0003	5700	0.0003	0.0484
		T (°C)	-10	5700.0133	5700	0.0133	2.3400
		T (°C)	0	5700.0100	5700	0.0100	1.7536
		T (°C)	10	5700.0048	5700	0.0048	0.8503
		T (°C)	20	5700.0132	5700	0.0132	2.3124
		T (°C)	30	5700.0095	5700	0.0095	1.6602
		T (°C)	40	5700.0132	5700	0.0132	2.3190
		T (°C)	50	5700.0068	5700	0.0068	1.1849
		T (°C)	60	5700.0038	5700	0.0038	0.6603
		T (°C)	70	5700.0092	5700	0.0092	1.6214
Limits				5500-5700 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	DC 5V
Test Mode:	TX (5.8G) Mode Frequency U-NII-3 (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)	5.00	5745.00519	5745	0.00519	0.9039
		V max (V)	5.75	5745.00922	5745	0.00922	1.6053
		V min (V)	4.25	5745.00912	5745	0.00912	1.5877
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)	5	T (°C)	-20	5745.01222	5745	0.01222	2.1266
		T (°C)	-10	5745.00021	5745	0.00021	0.0365
		T (°C)	0	5745.01229	5745	0.01229	2.1397
		T (°C)	10	5745.01079	5745	0.01079	1.8773
		T (°C)	20	5745.00602	5745	0.00602	1.0477
		T (°C)	30	5745.00685	5745	0.00685	1.1915
		T (°C)	40	5745.00542	5745	0.00542	0.9428
		T (°C)	50	5745.00011	5745	0.00011	0.0185
		T (°C)	60	5745.01176	5745	0.01176	2.0474
		T (°C)	70	5745.00274	5745	0.00274	0.4769
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)	5.00	5785.00911	5785	0.00911	1.5750
		V max (V)	5.75	5785.00705	5785	0.00705	1.2193
		V min (V)	4.25	5785.01320	5785	0.01320	2.2824
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)	5	T (°C)	-20	5785.00077	5785	0.00077	0.1327
		T (°C)	-10	5785.00557	5785	0.00557	0.9634
		T (°C)	0	5785.00551	5785	0.00551	0.9520
		T (°C)	10	5785.00643	5785	0.00643	1.1118
		T (°C)	20	5785.00754	5785	0.00754	1.3026
		T (°C)	30	5785.00056	5785	0.00056	0.0976
		T (°C)	40	5785.00459	5785	0.00459	0.7943
		T (°C)	50	5785.00583	5785	0.00583	1.0082
		T (°C)	60	5785.00018	5785	0.00018	0.0309
		T (°C)	70	5785.01282	5785	0.01282	2.2165
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)	5.00	5825.00943	5825	0.00943	1.6197
		V max (V)	5.75	5825.01174	5825	0.01174	2.0154
		V min (V)	4.25	5825.00088	5825	0.00088	0.1516
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)	5	T (°C)	-20	5825.00334	5825	0.00334	0.5734
		T (°C)	-10	5825.00878	5825	0.00878	1.5076
		T (°C)	0	5825.00083	5825	0.00083	0.1425
		T (°C)	10	5825.01337	5825	0.01337	2.2948
		T (°C)	20	5825.01284	5825	0.01284	2.2050
		T (°C)	30	5825.01187	5825	0.01187	2.0383
		T (°C)	40	5825.00837	5825	0.00837	1.4377
		T (°C)	50	5825.01068	5825	0.01068	1.8333
		T (°C)	60	5825.00301	5825	0.00301	0.5165
		T (°C)	70	5825.00618	5825	0.00618	1.0616
Limits				5725-5850 MHz			
Result				Complies			

14. Duty Cycle Of Test Signal

14.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

14.2 Formula

Duty Cycle = $T_{on} / (T_{on} + T_{off})$

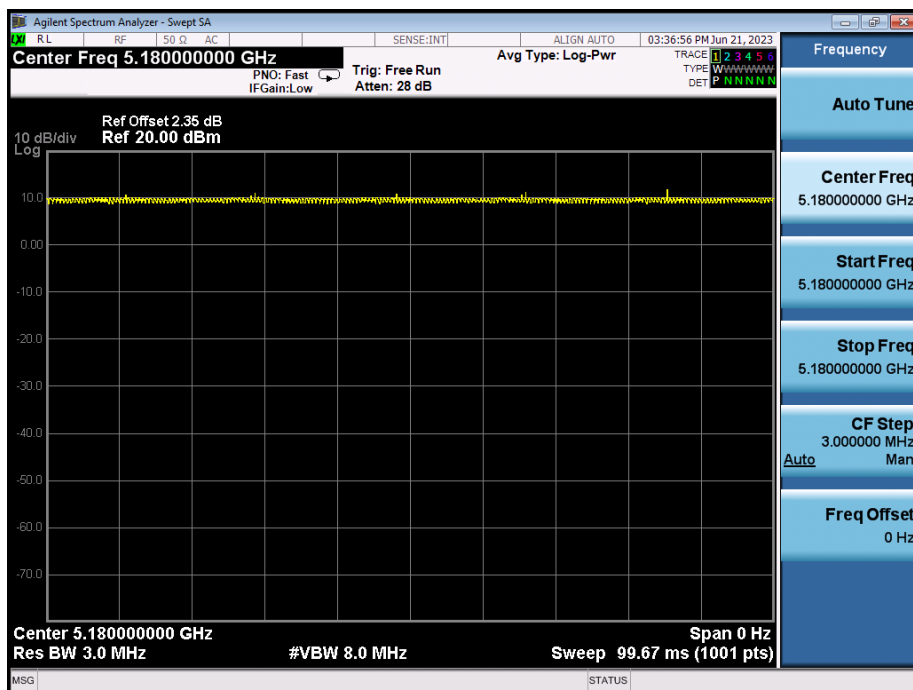
14.3 Test Procedure

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

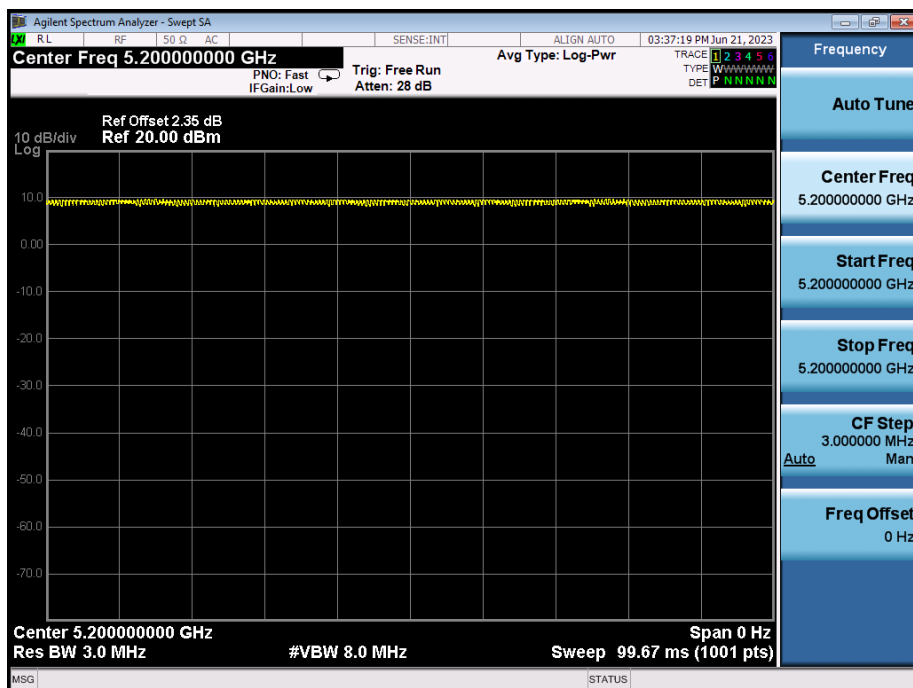
14.4 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	AntA	100	0	0
NVNT	a	5200	AntA	100	0	0
NVNT	a	5240	AntA	100	0	0
NVNT	n20	5180	AntA	100	0	0
NVNT	n20	5200	AntA	100	0	0
NVNT	n20	5240	AntA	100	0	0
NVNT	n40	5190	AntA	100	0	0
NVNT	n40	5230	AntA	100	0	0
NVNT	ac20	5180	AntA	100	0	0
NVNT	ac20	5200	AntA	100	0	0
NVNT	ac20	5240	AntA	100	0	0
NVNT	ac40	5190	AntA	100	0	0
NVNT	ac40	5230	AntA	100	0	0
NVNT	ac80	5210	AntA	100	0	0

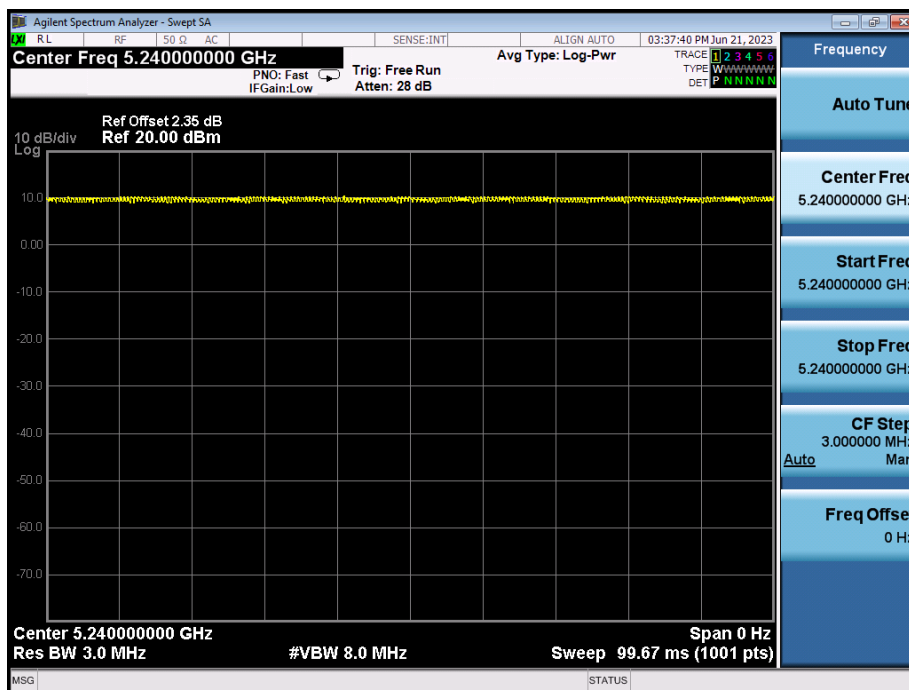
NVNT a 5180MHz



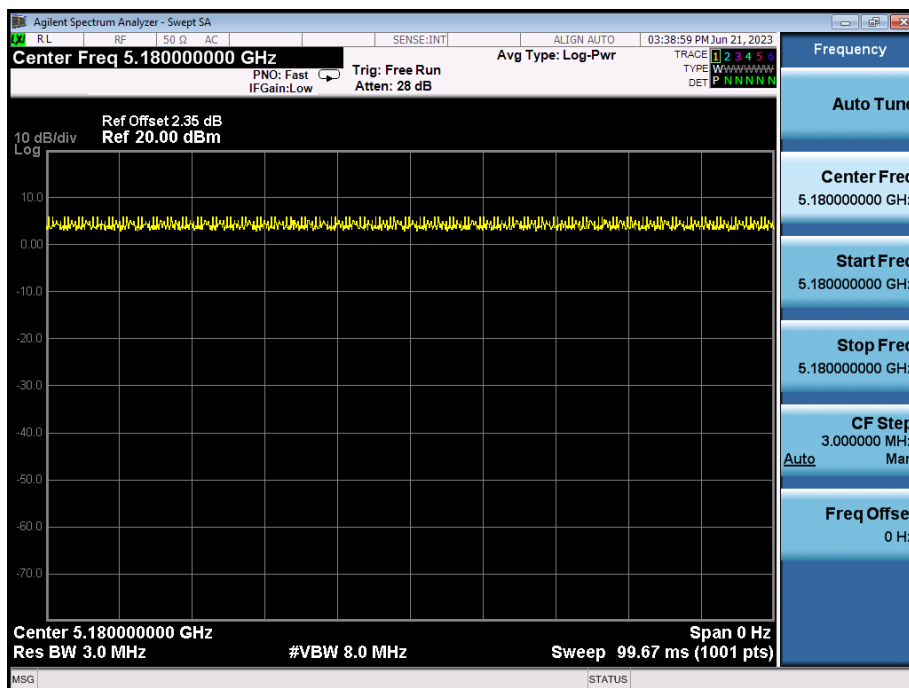
NVNT a 5200MHz



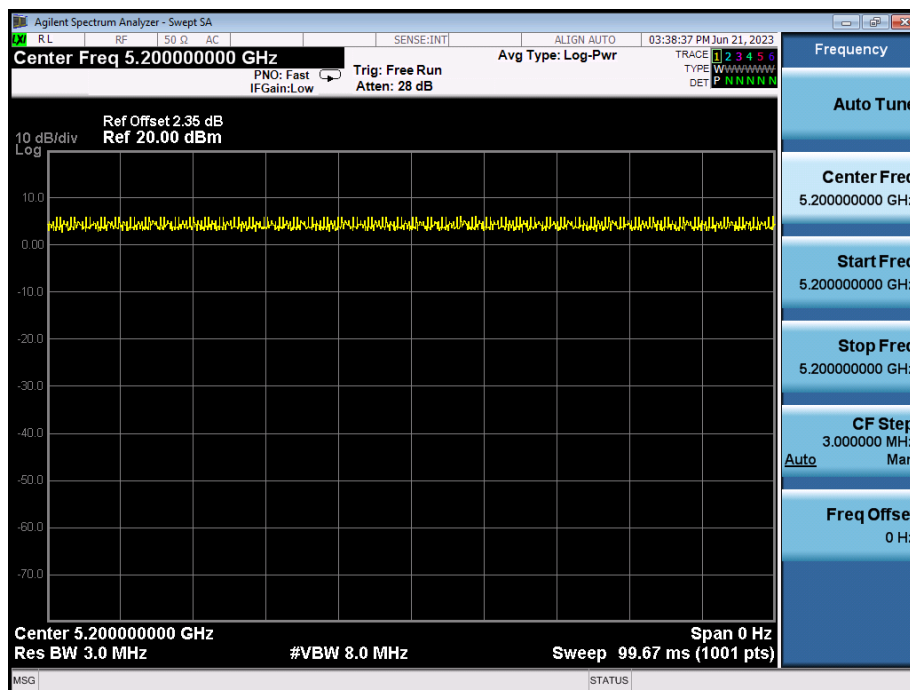
NVNT a 5240MHz



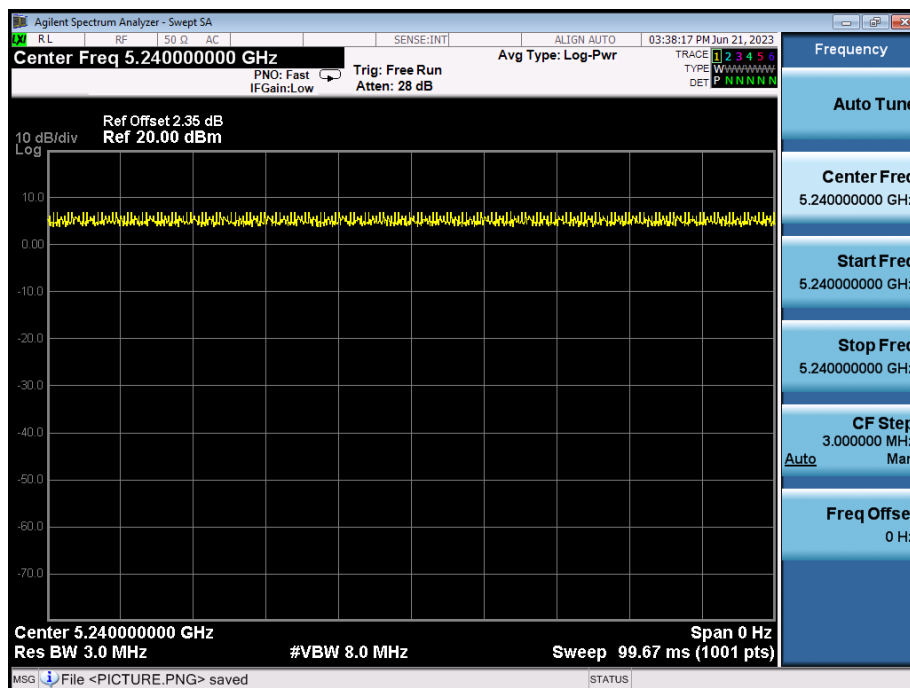
NVNT n20 5180MHz



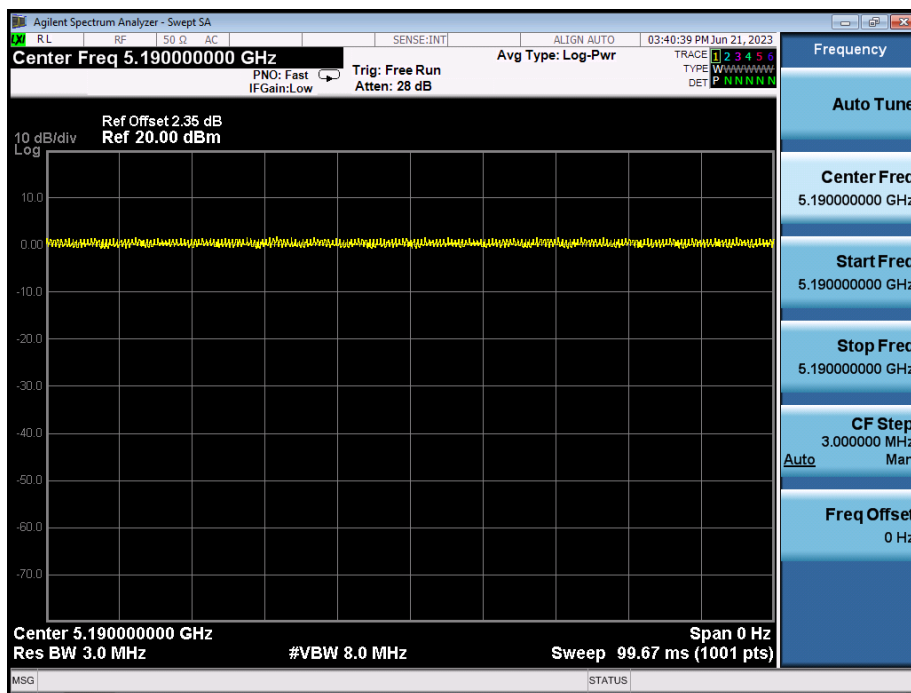
NVNT n20 5200MHz



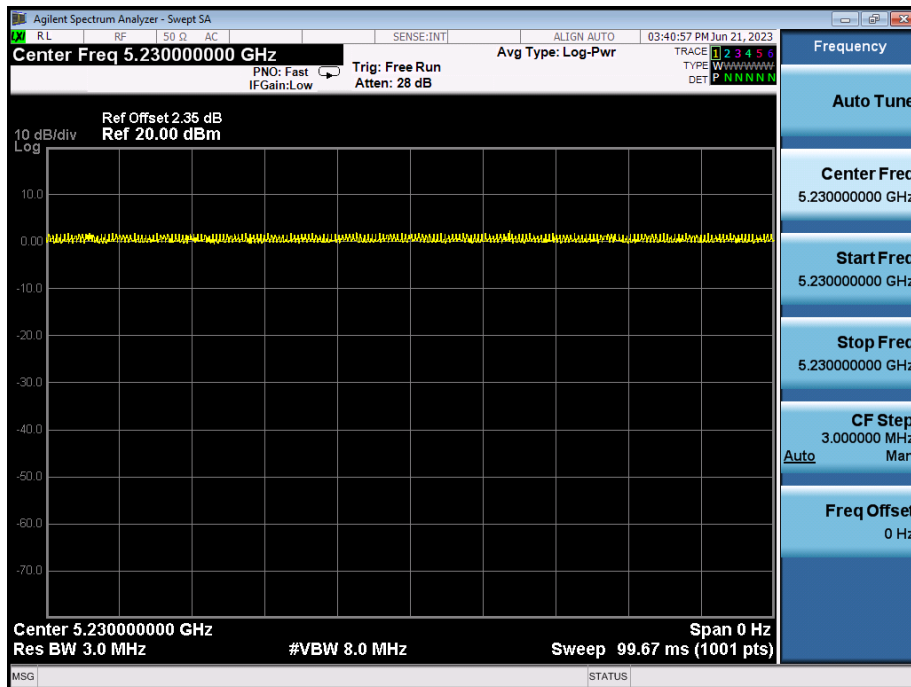
NVNT n20 5240MHz



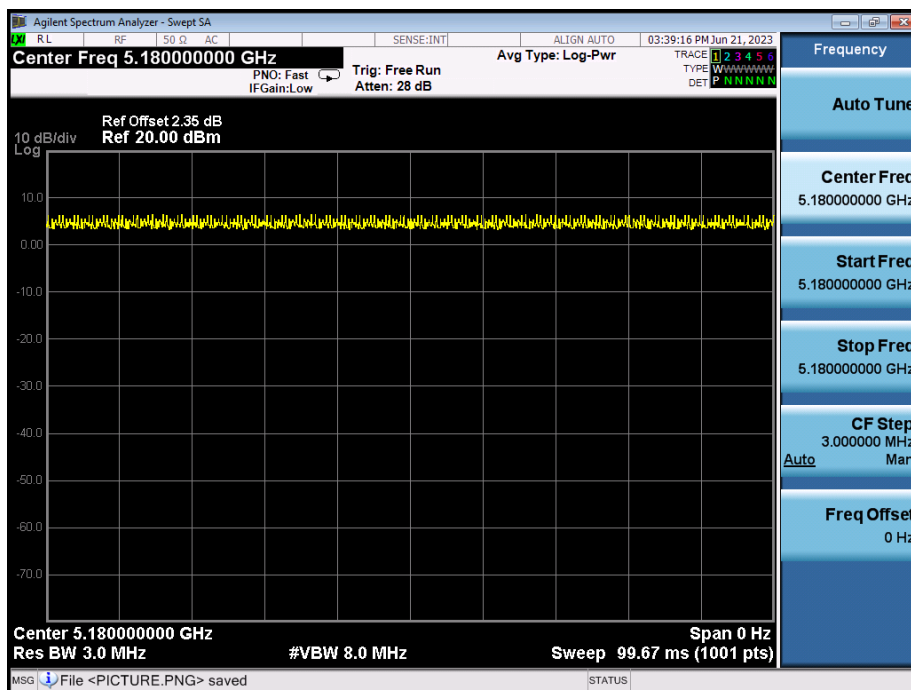
NVNT n40 5190MHz



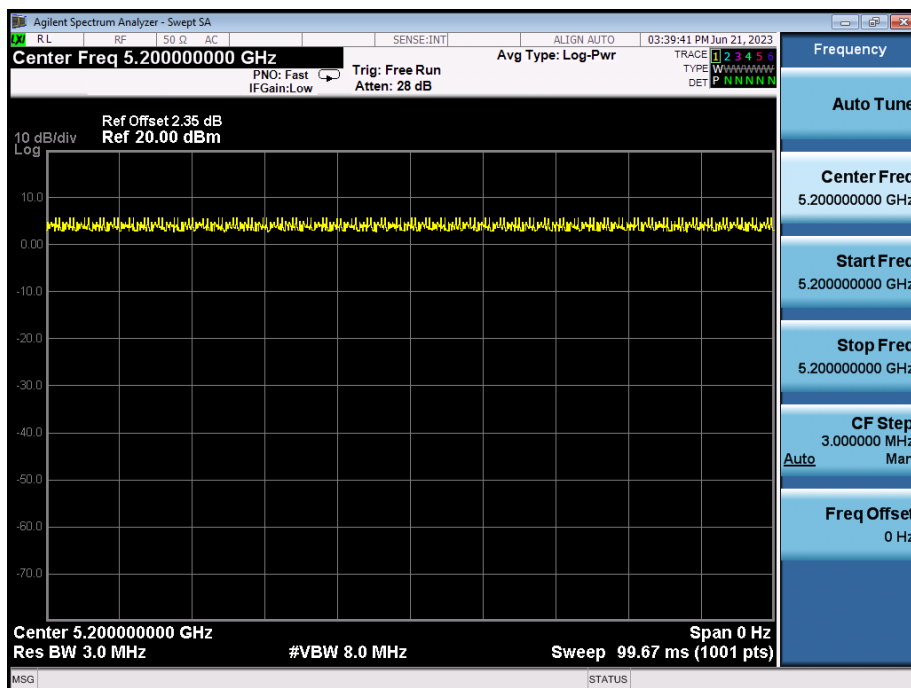
NVNT n40 5230MHz



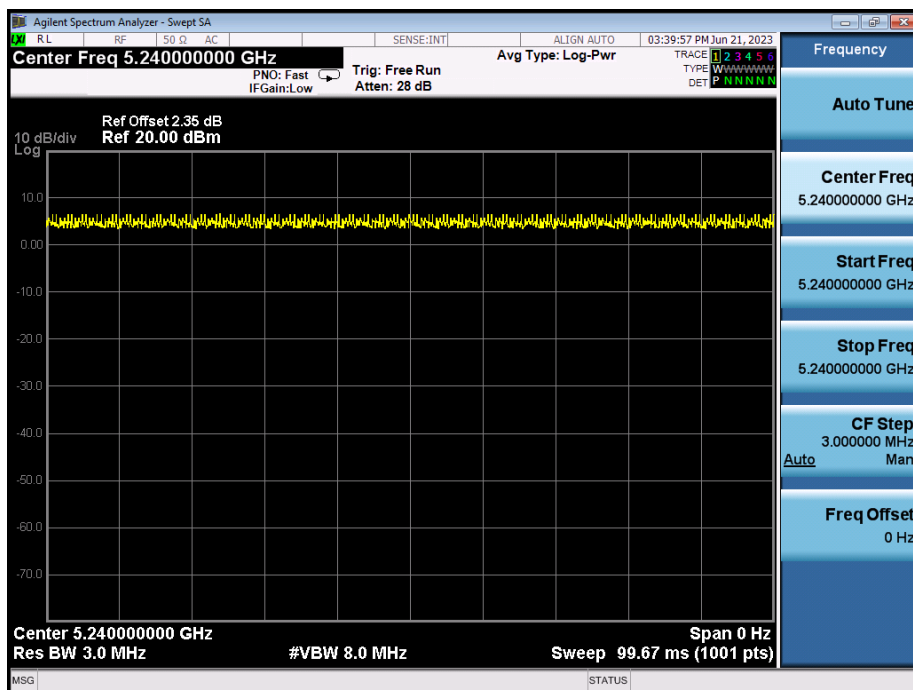
NVNT ac20 5180MHz



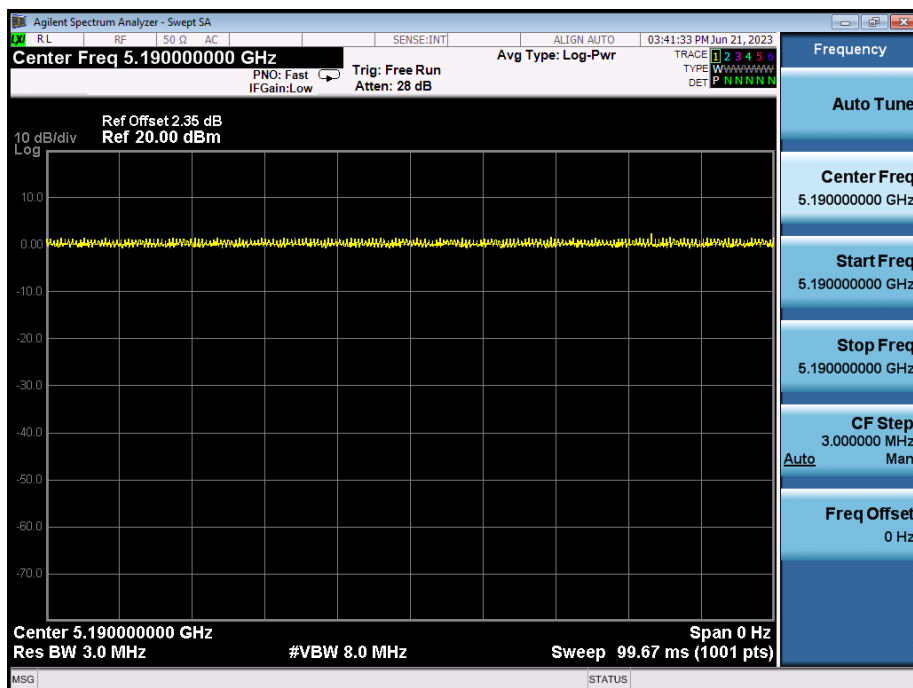
NVNT ac20 5200MHz



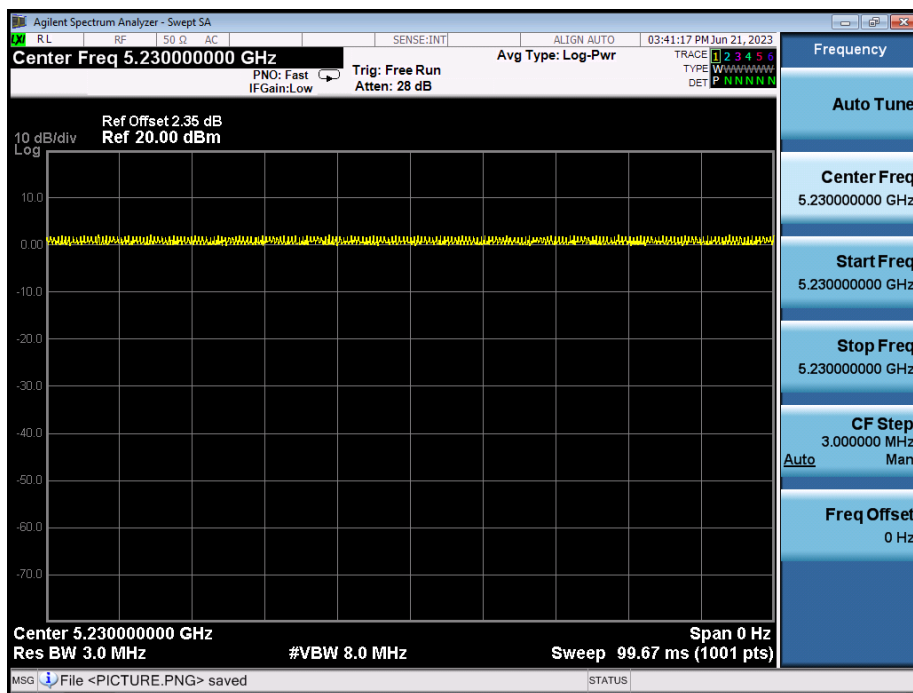
NVNT ac20 5240MHz



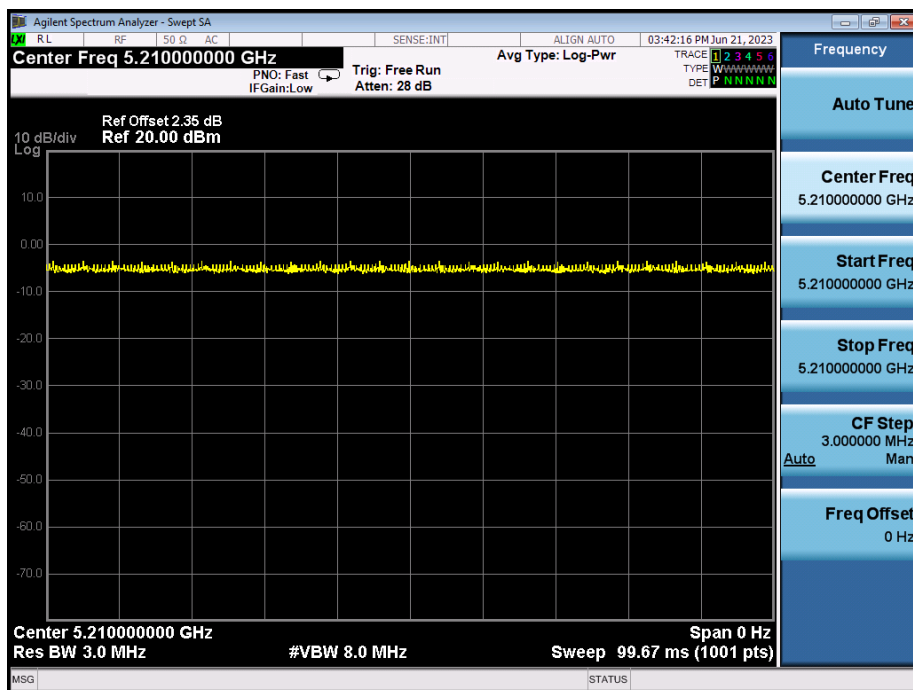
NVNT ac40 5190MHz



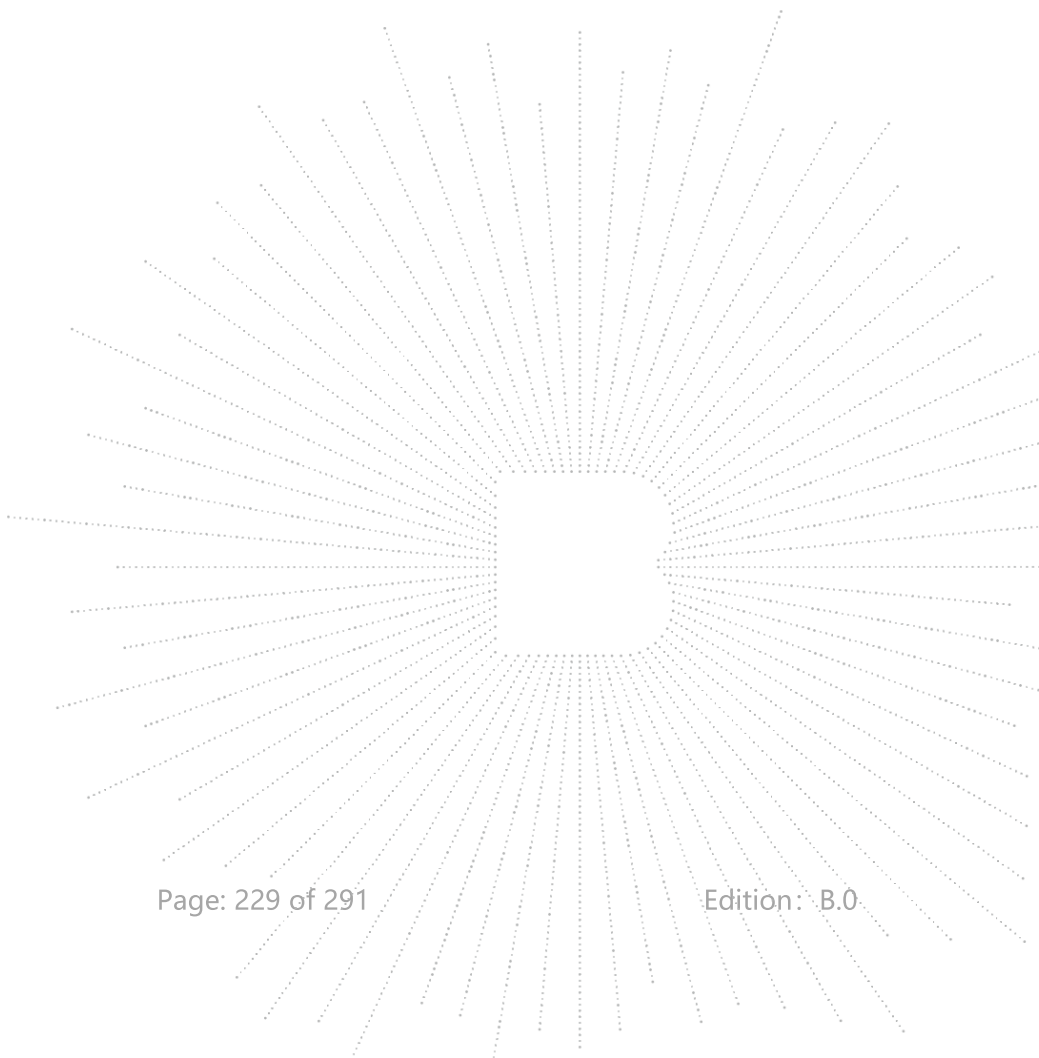
NVNT ac40 5230MHz



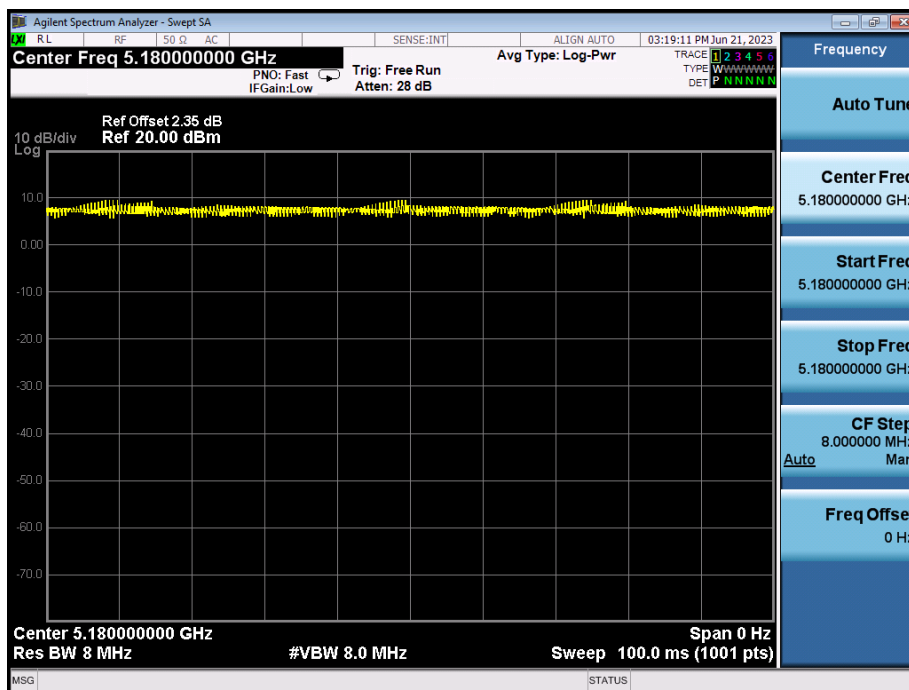
NVNT ac80 5210MHz



Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	AntB	100	0	0
NVNT	a	5200	AntB	100	0	0
NVNT	a	5240	AntB	100	0	0
NVNT	n20	5180	AntB	100	0	0
NVNT	n20	5200	AntB	100	0	0
NVNT	n20	5240	AntB	100	0	0
NVNT	n40	5190	AntB	100	0	0
NVNT	n40	5230	AntB	100	0	0
NVNT	ac20	5180	AntB	100	0	0
NVNT	ac20	5200	AntB	100	0	0
NVNT	ac20	5240	AntB	100	0	0
NVNT	ac40	5190	AntB	100	0	0
NVNT	ac40	5230	AntB	100	0	0
NVNT	ac80	5210	AntB	100	0	0



NVNT a 5180MHz



NVNT a 5200MHz

