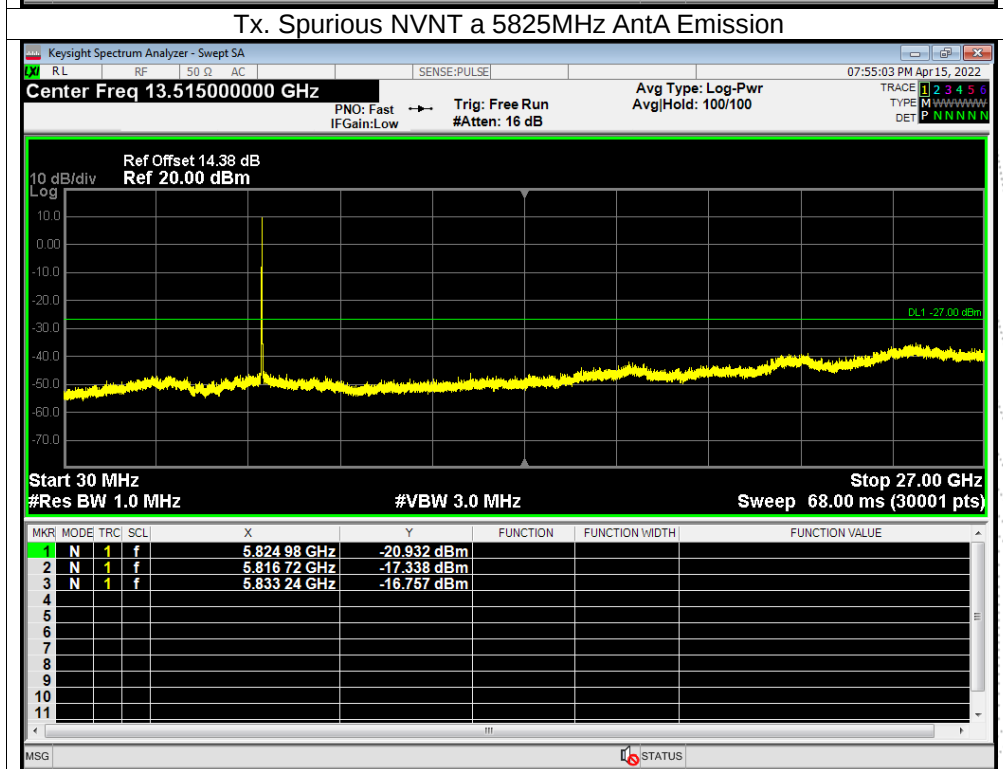
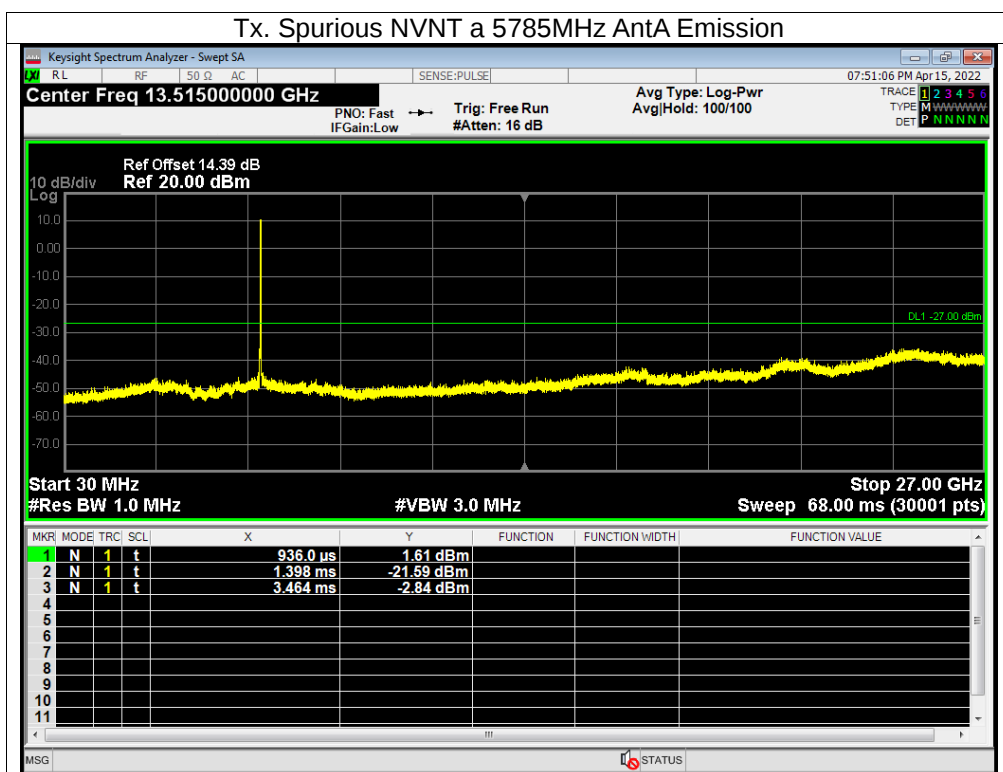
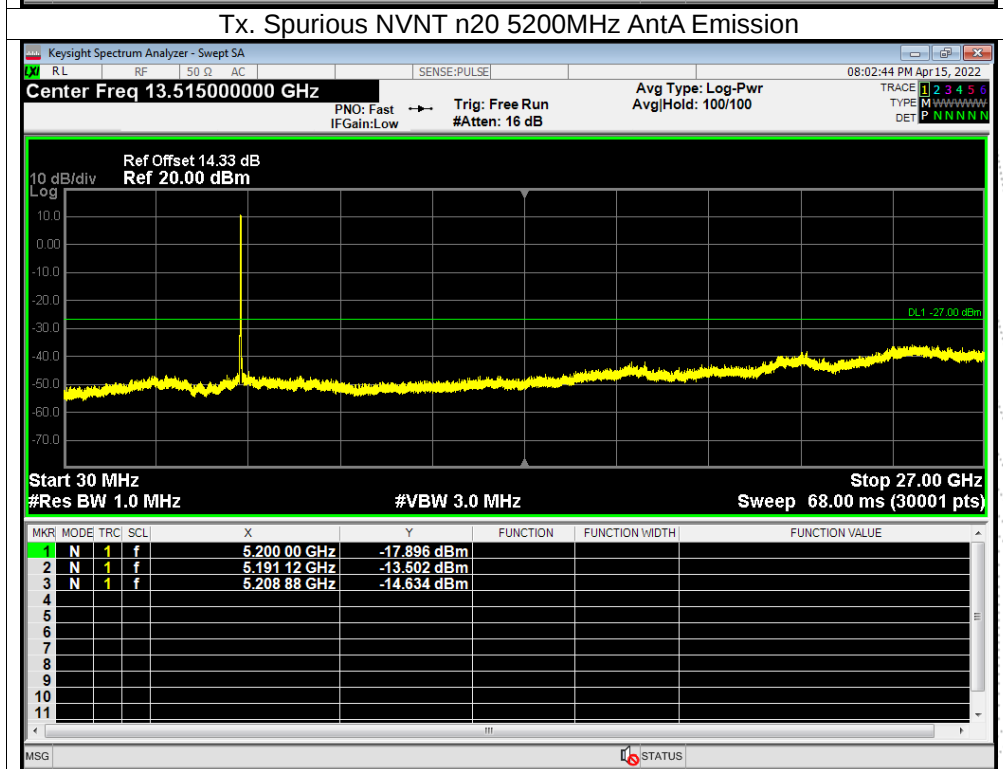
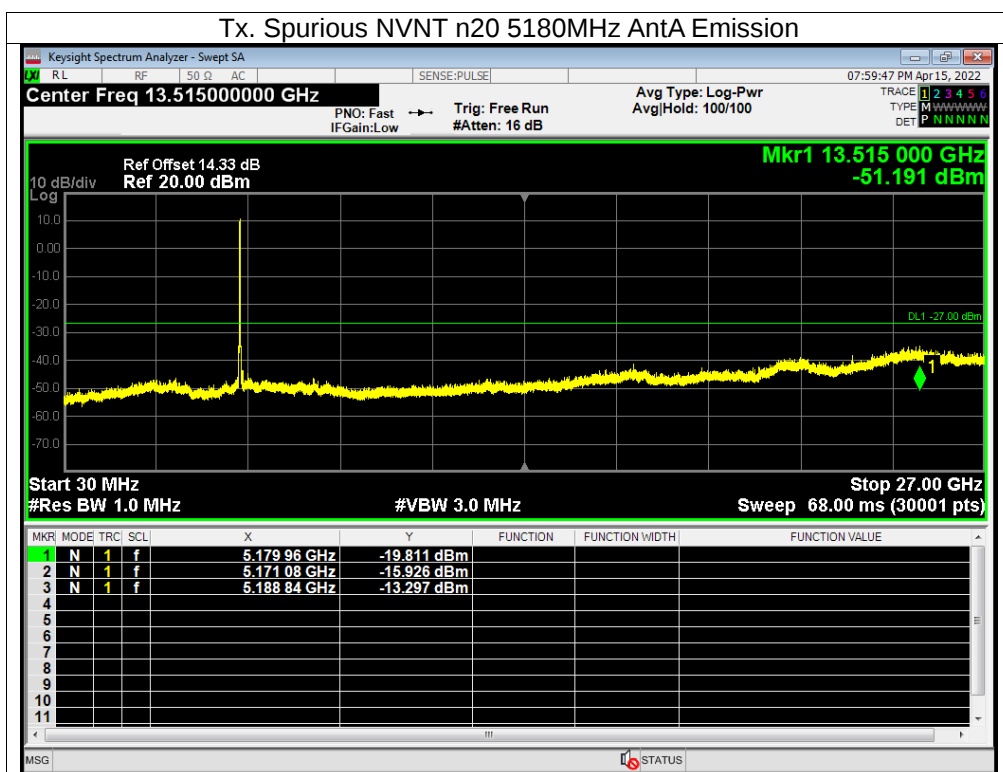
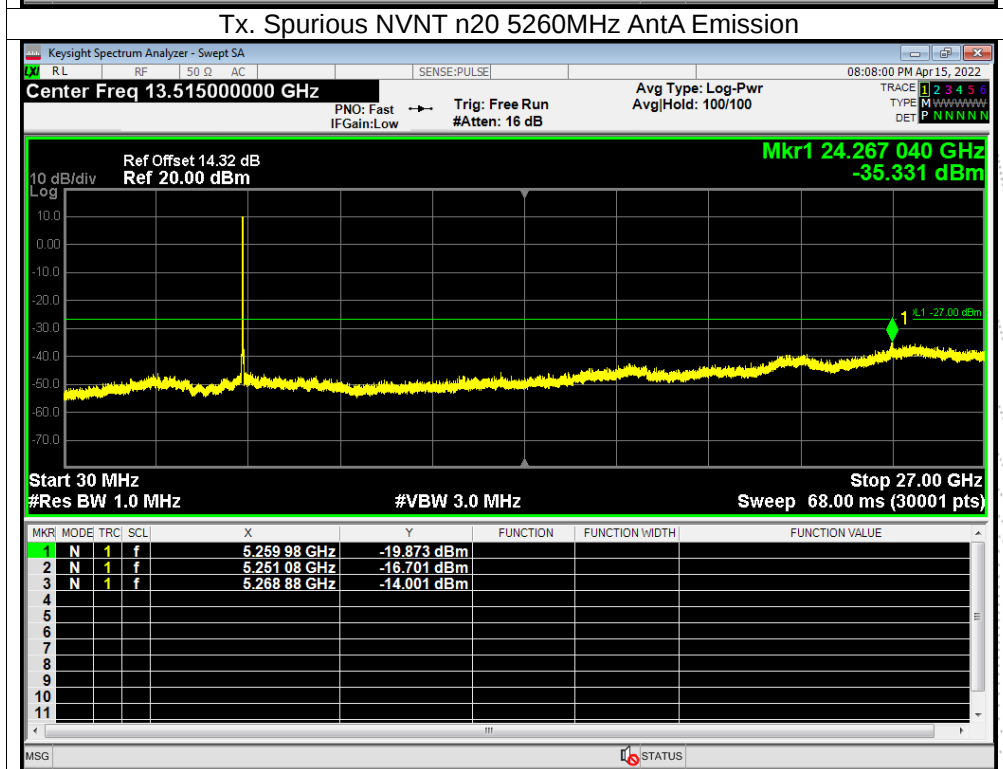
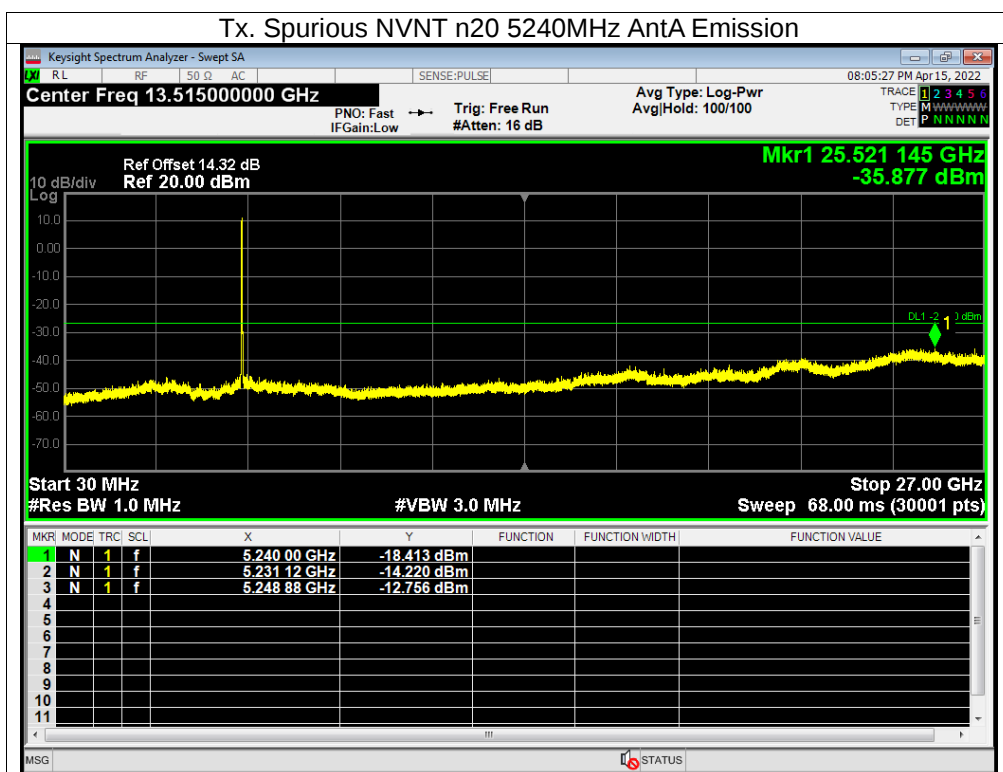
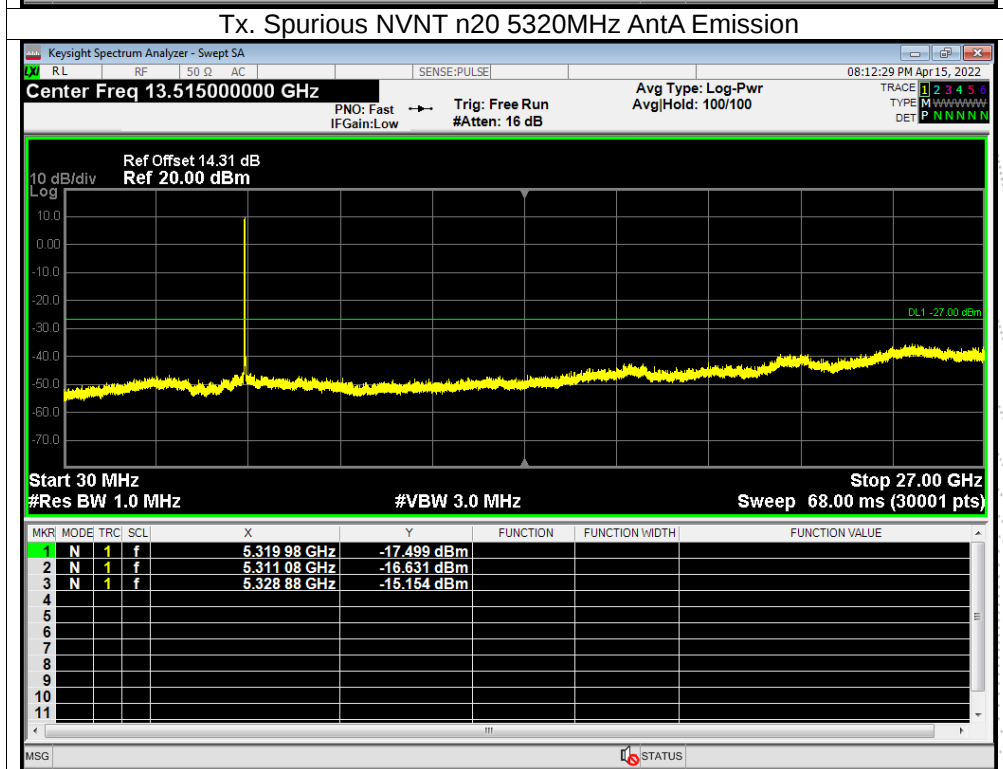
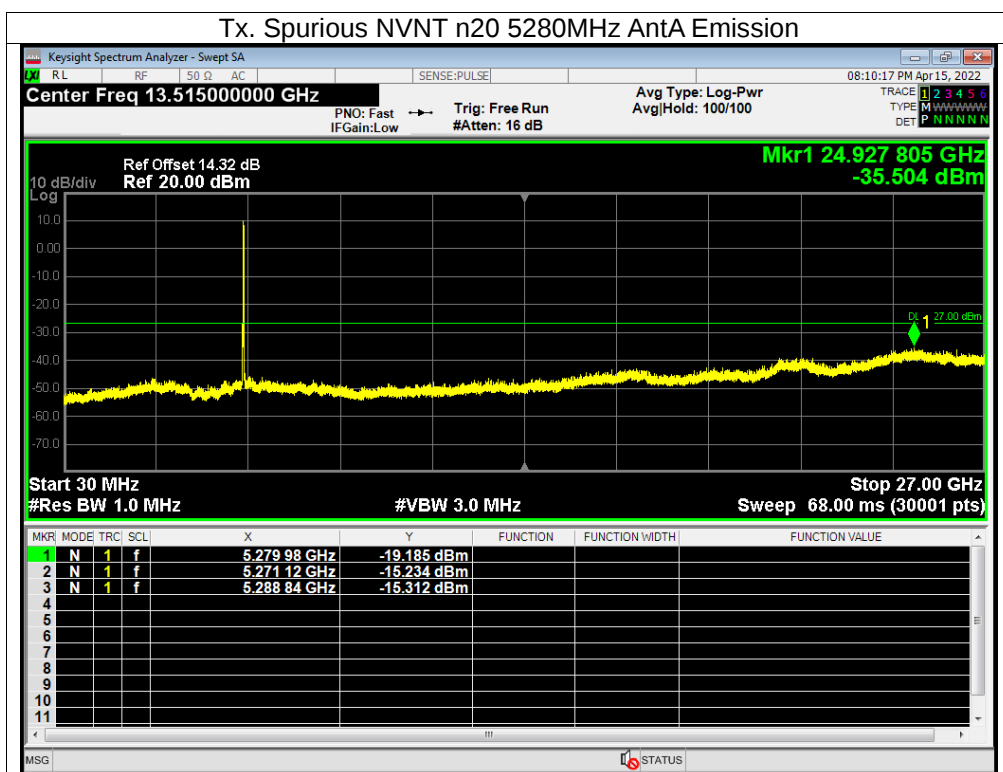
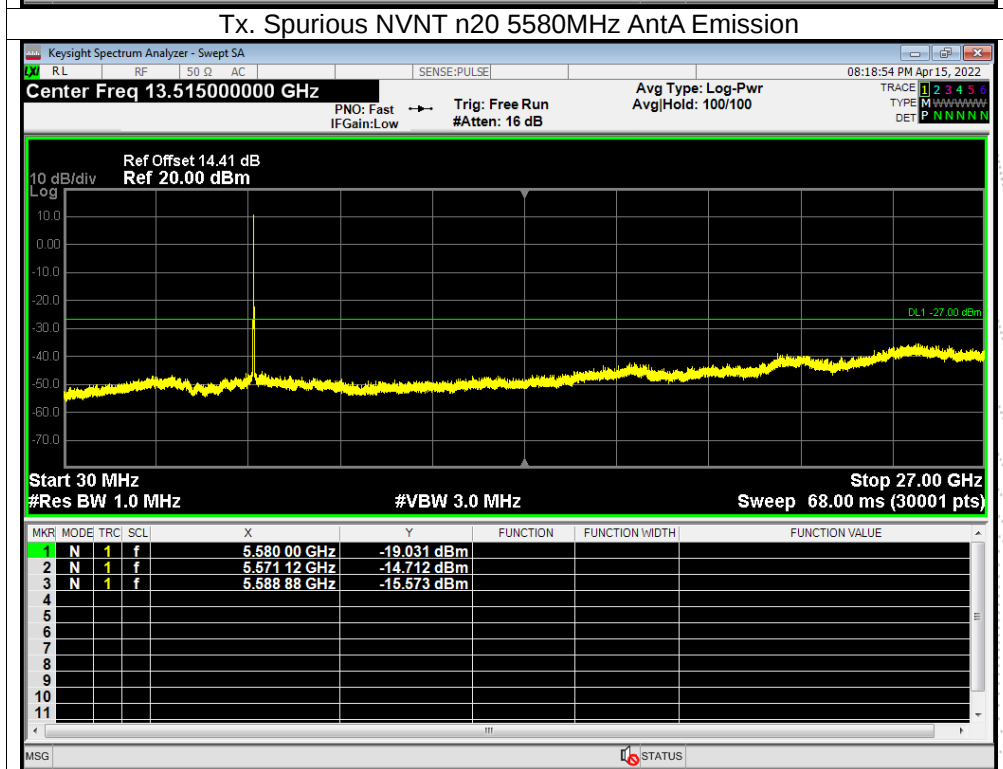
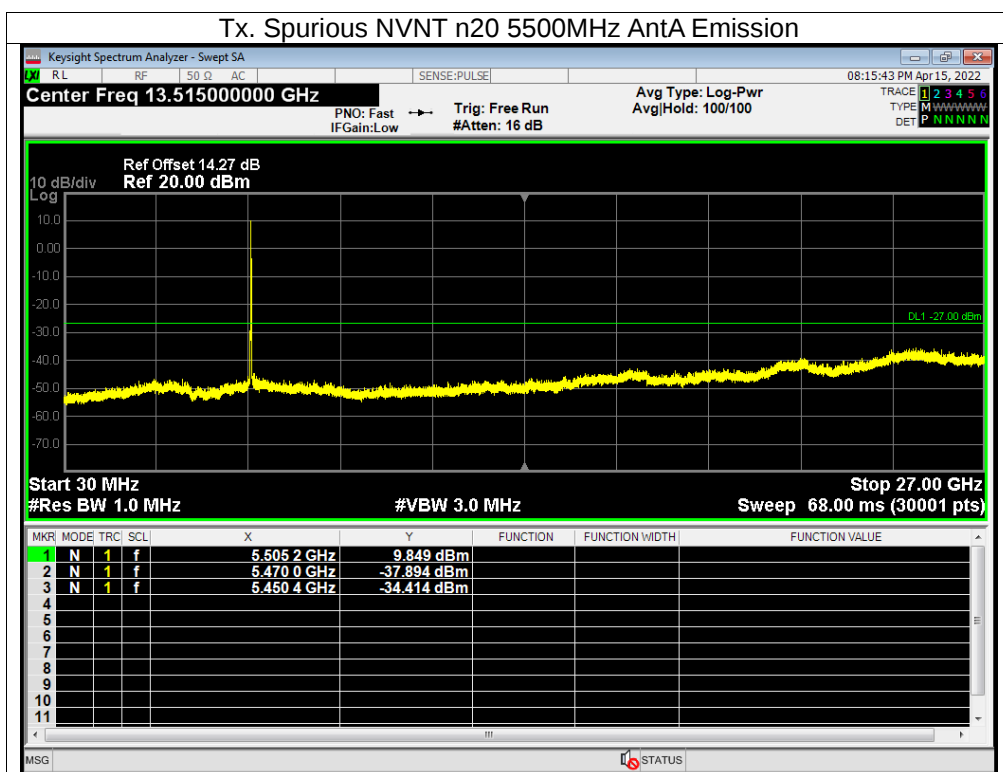


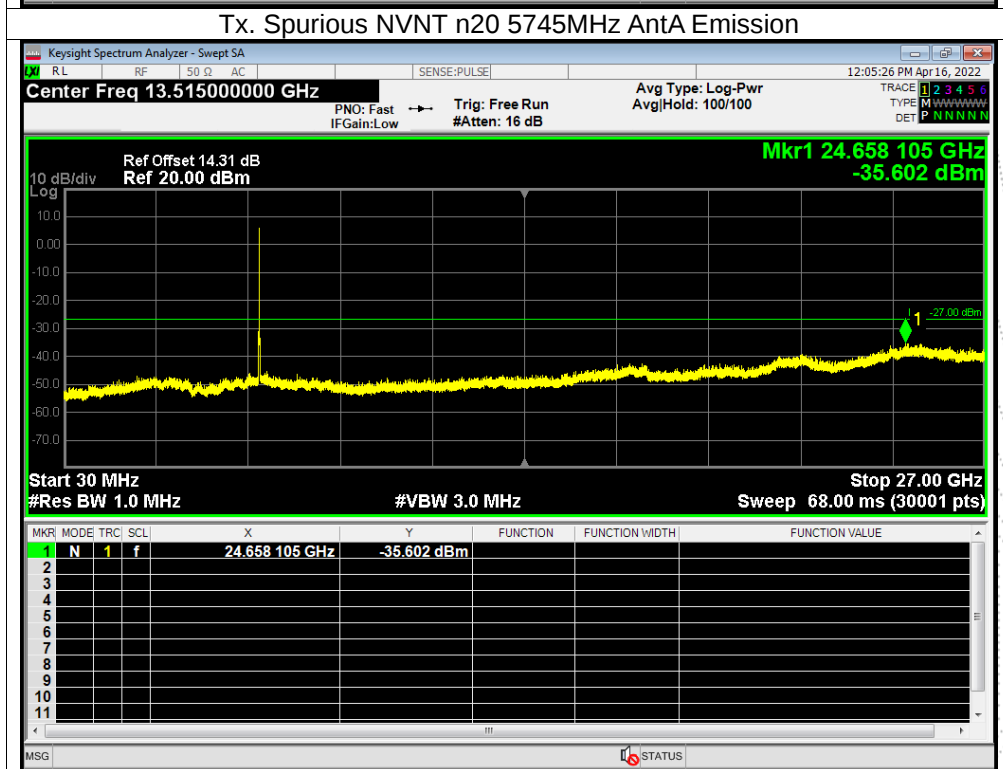
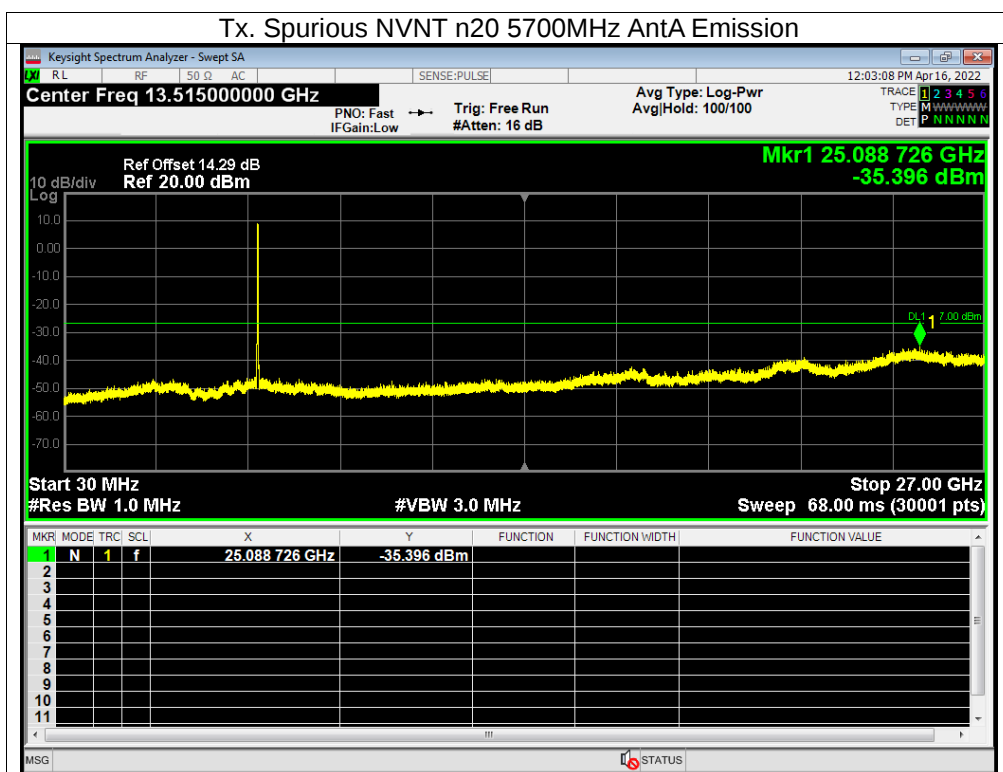


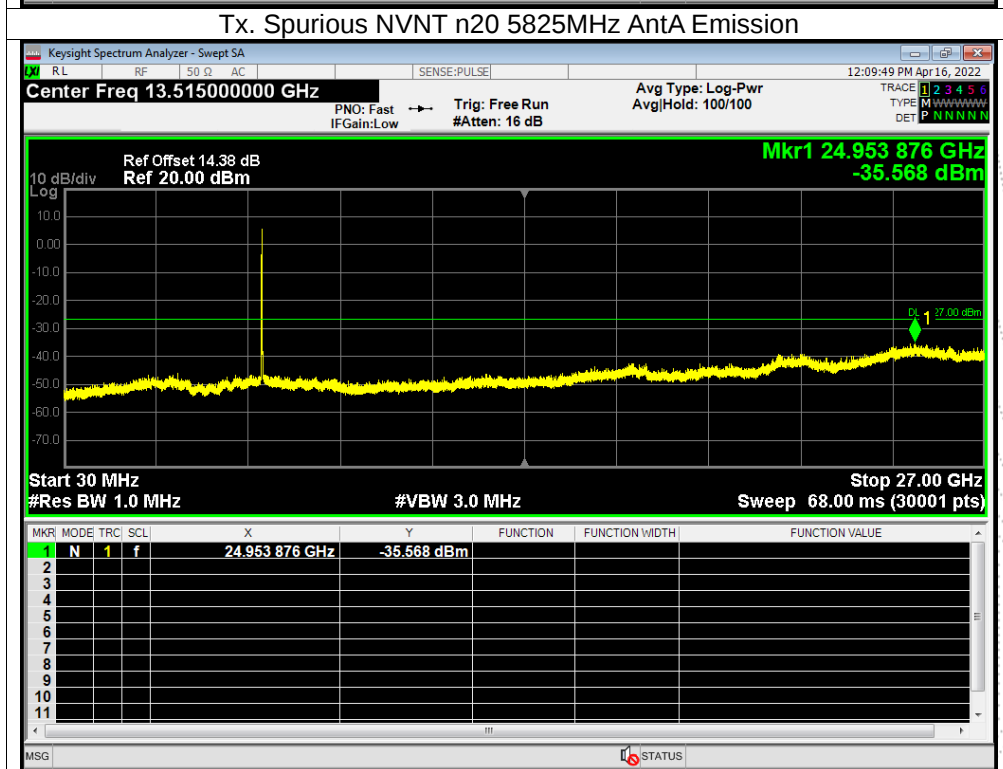
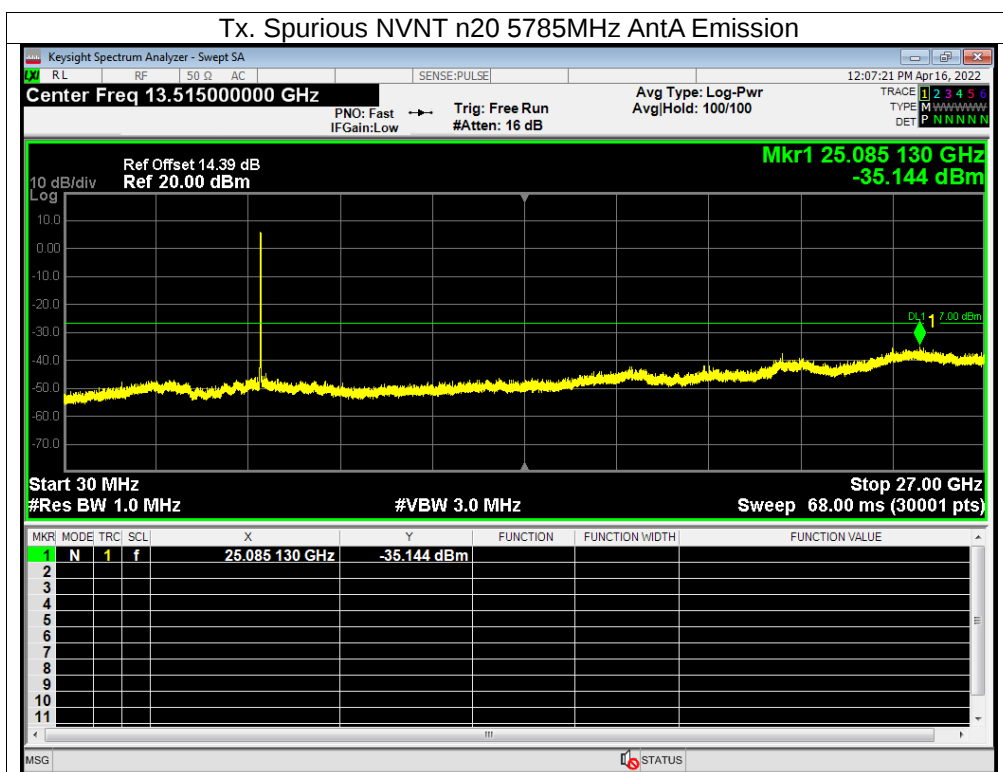


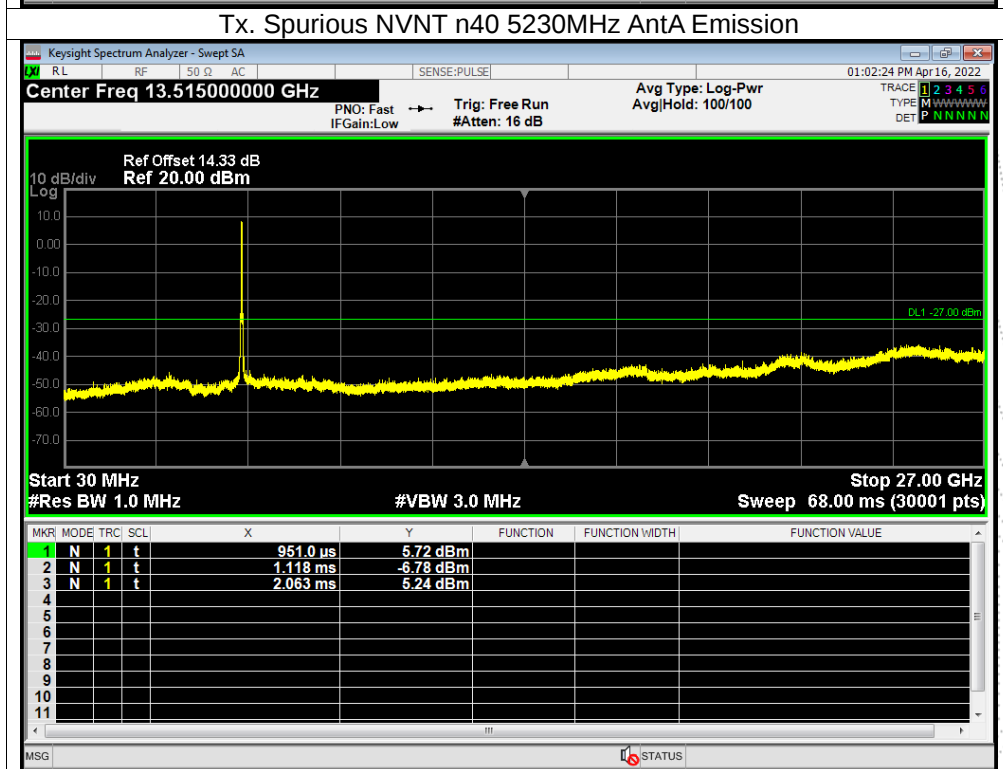
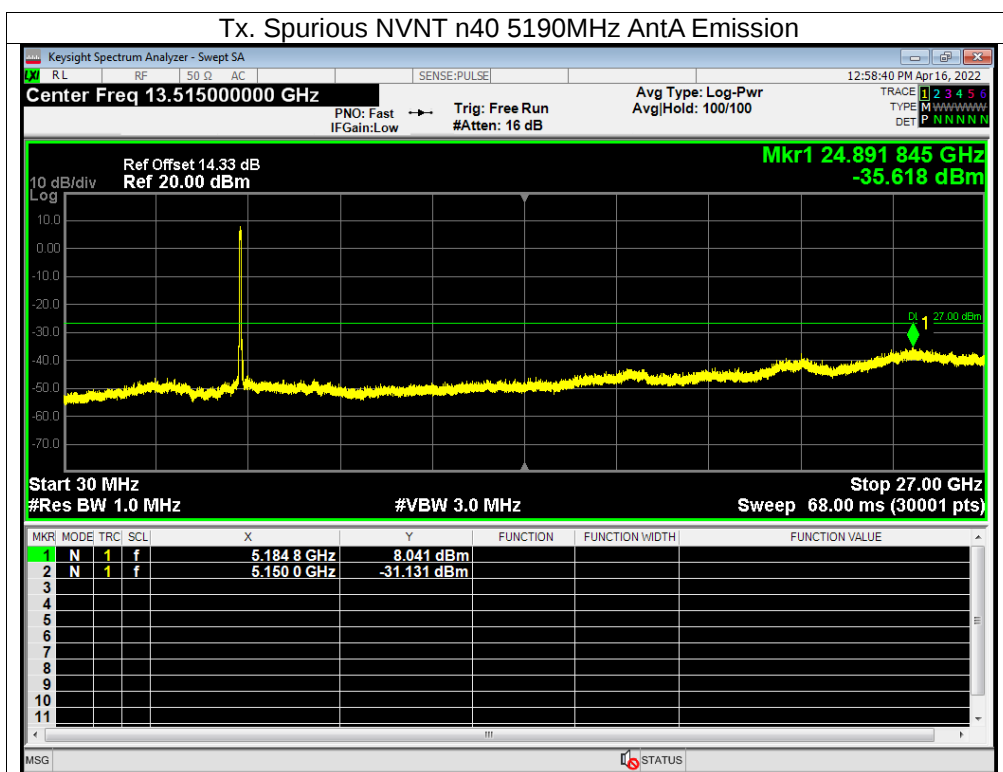


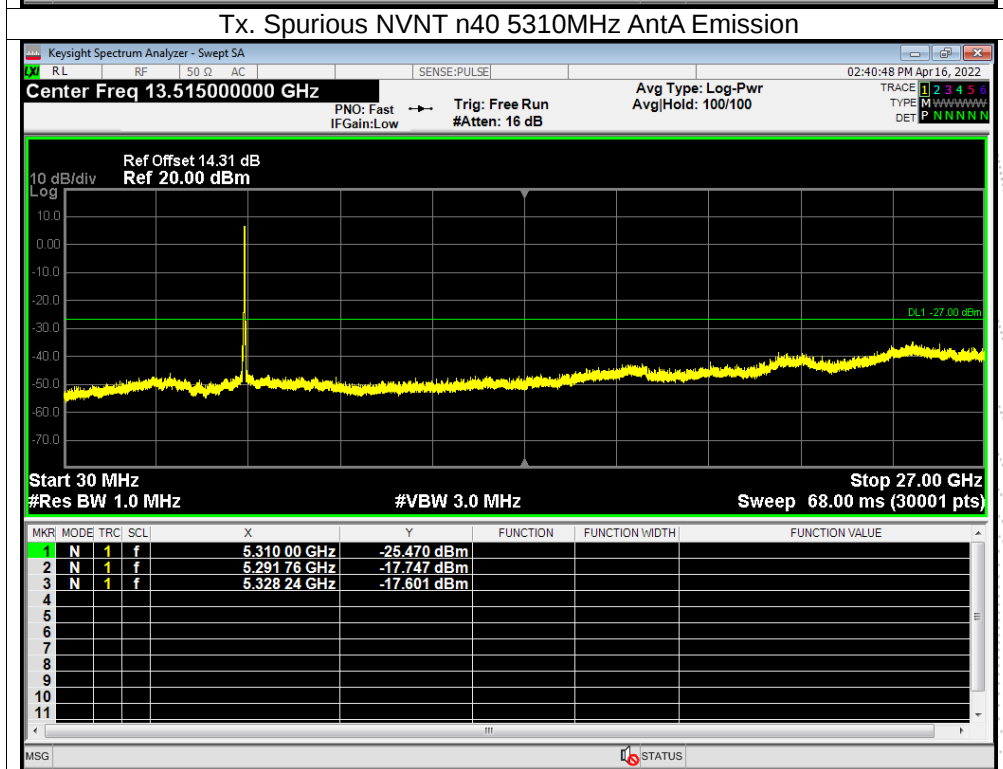
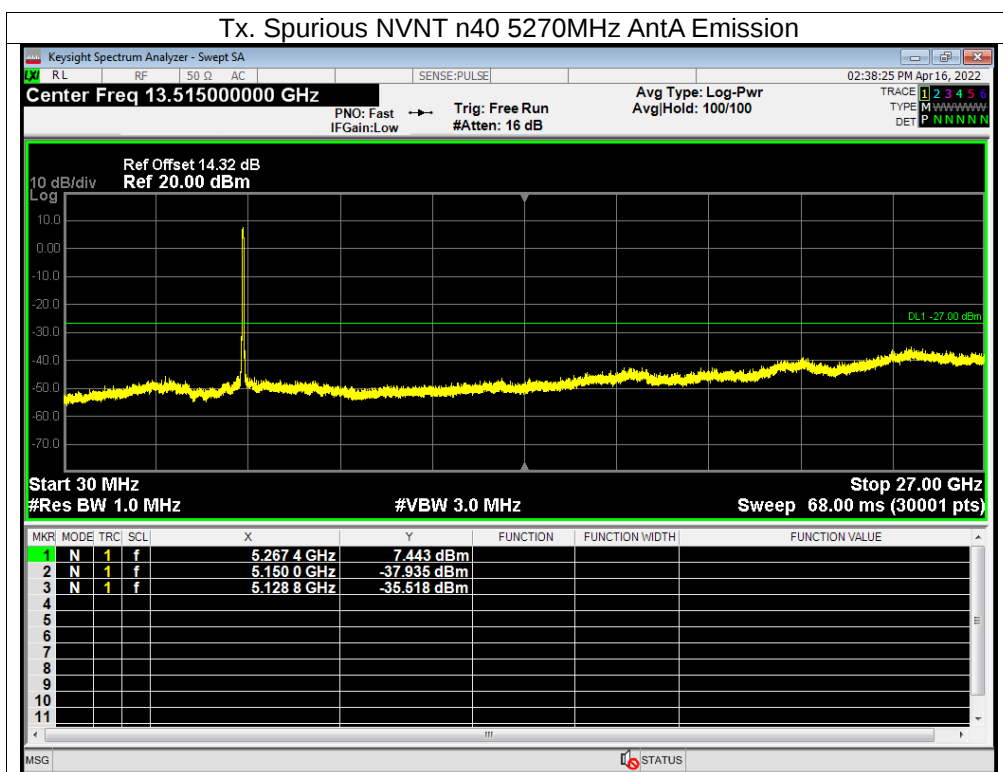


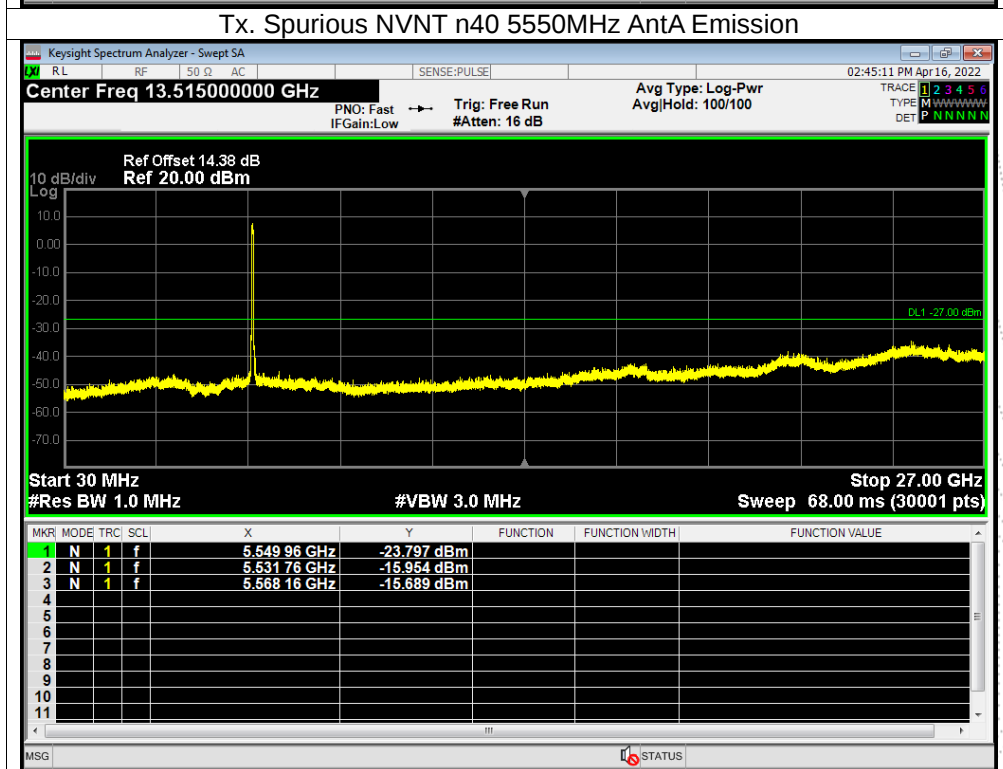
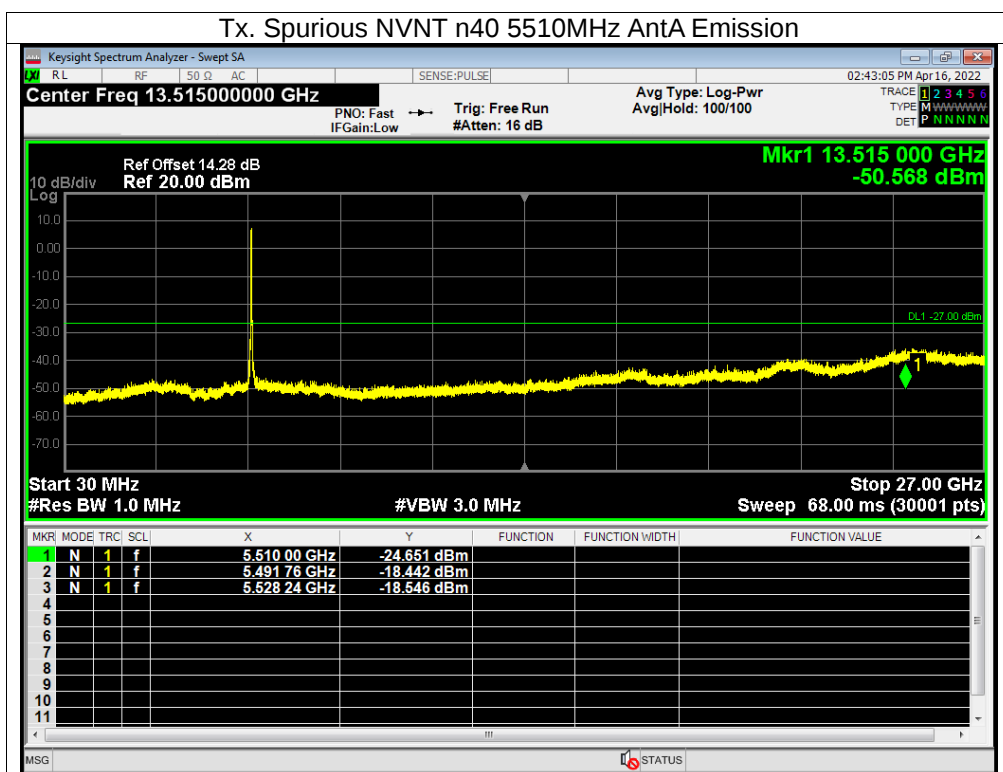


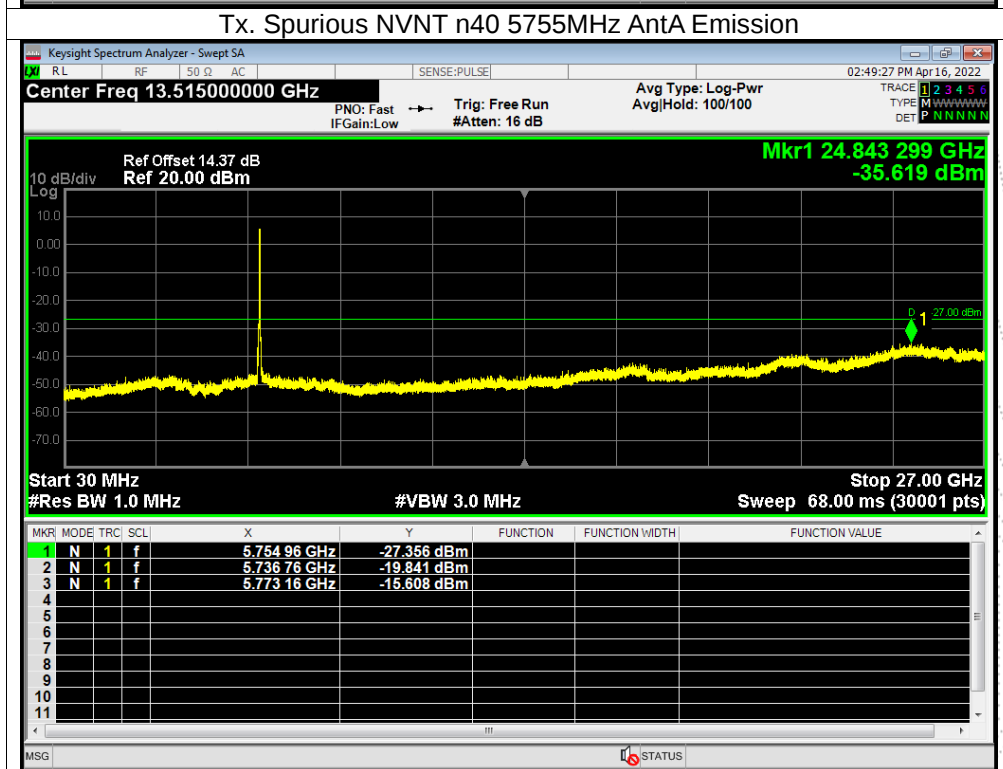
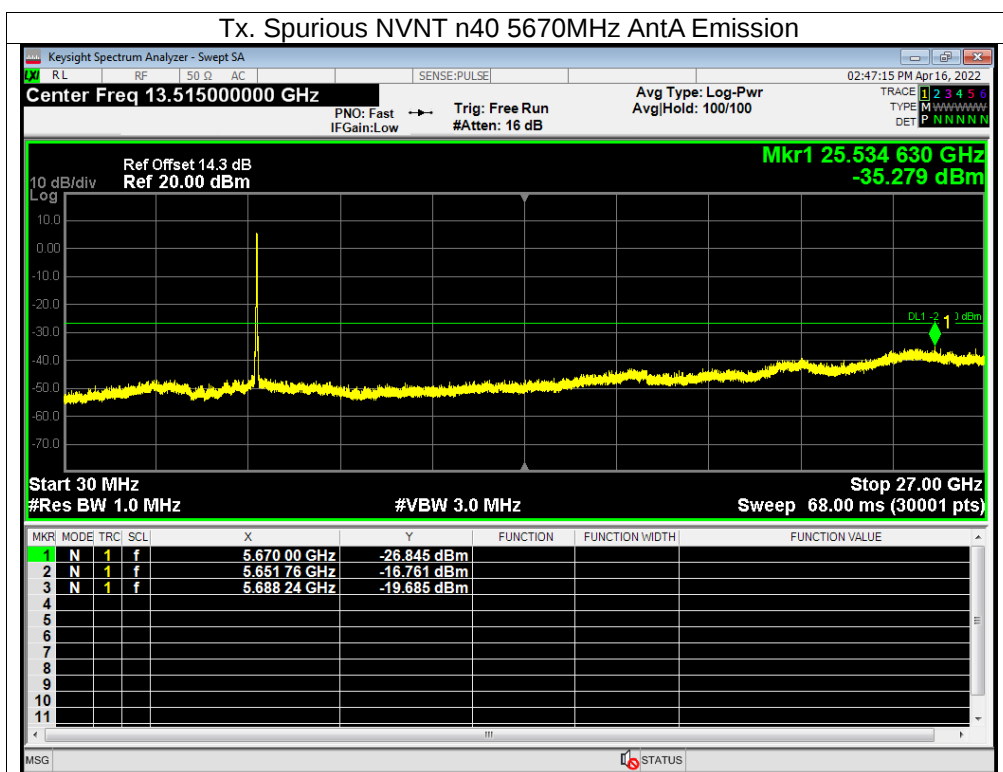


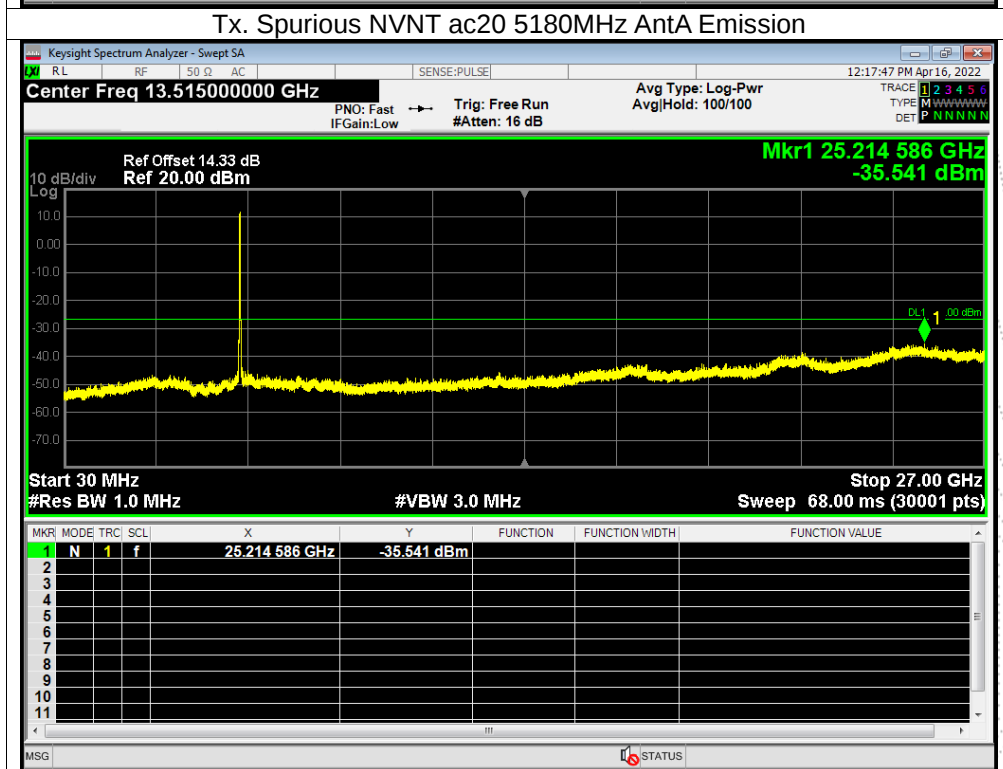
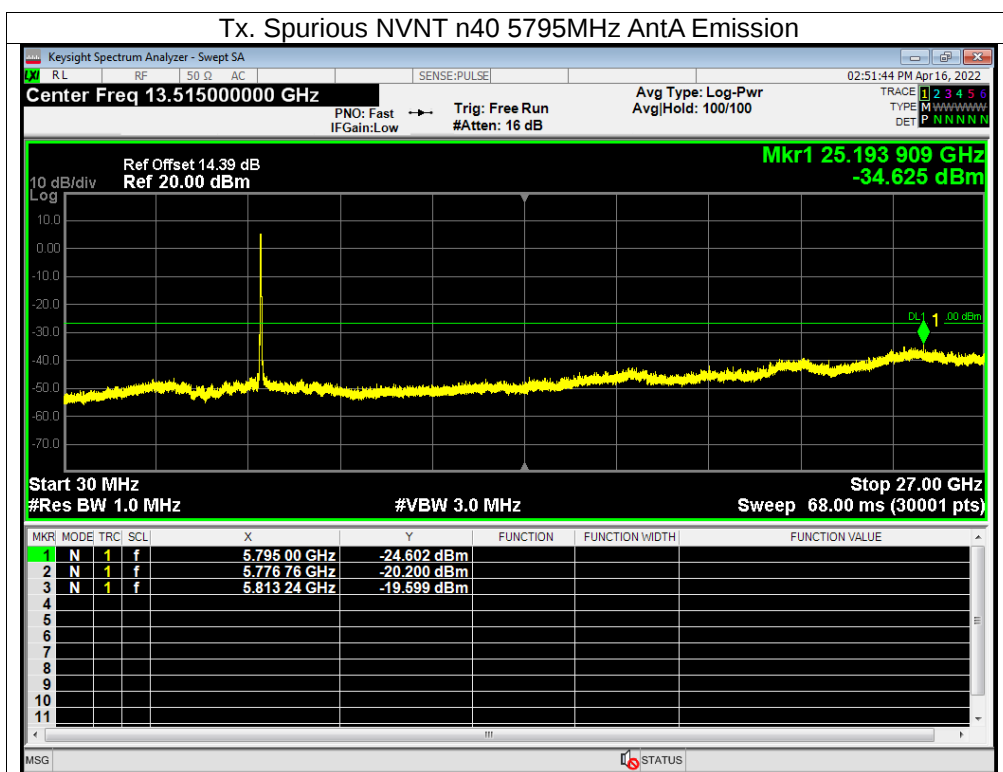


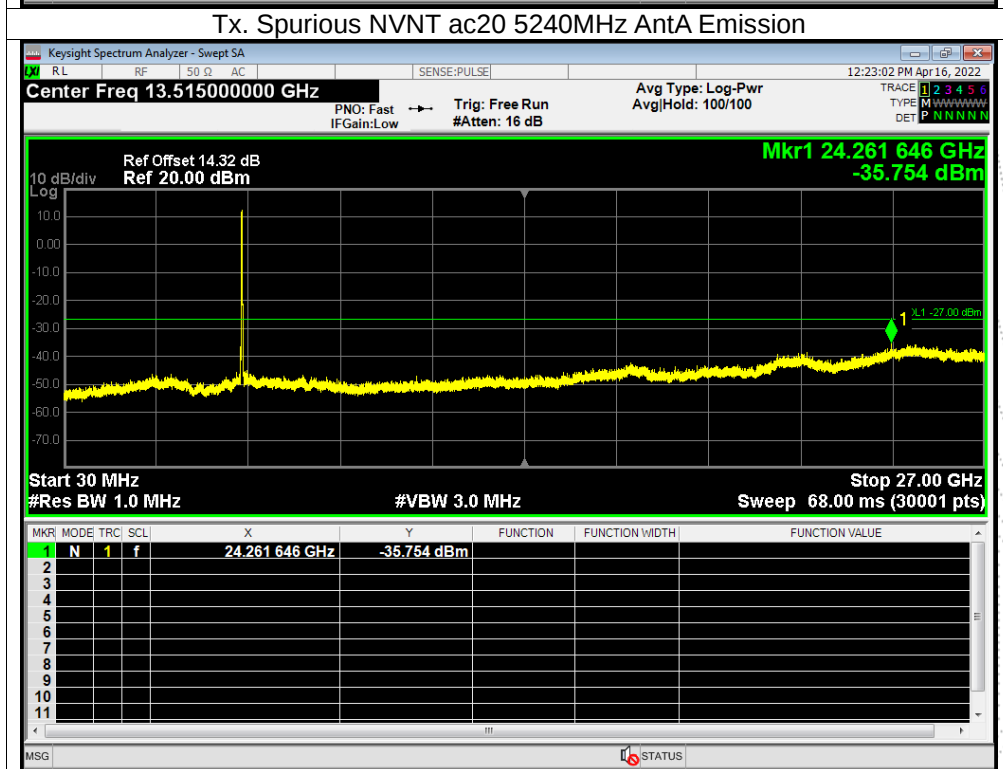
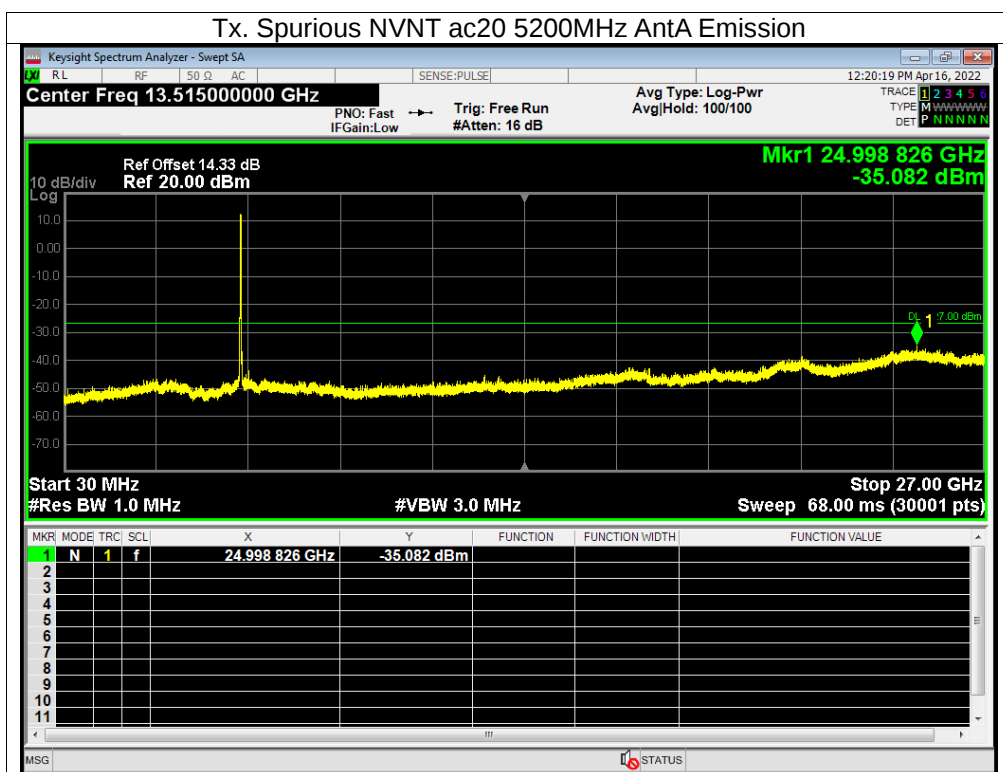


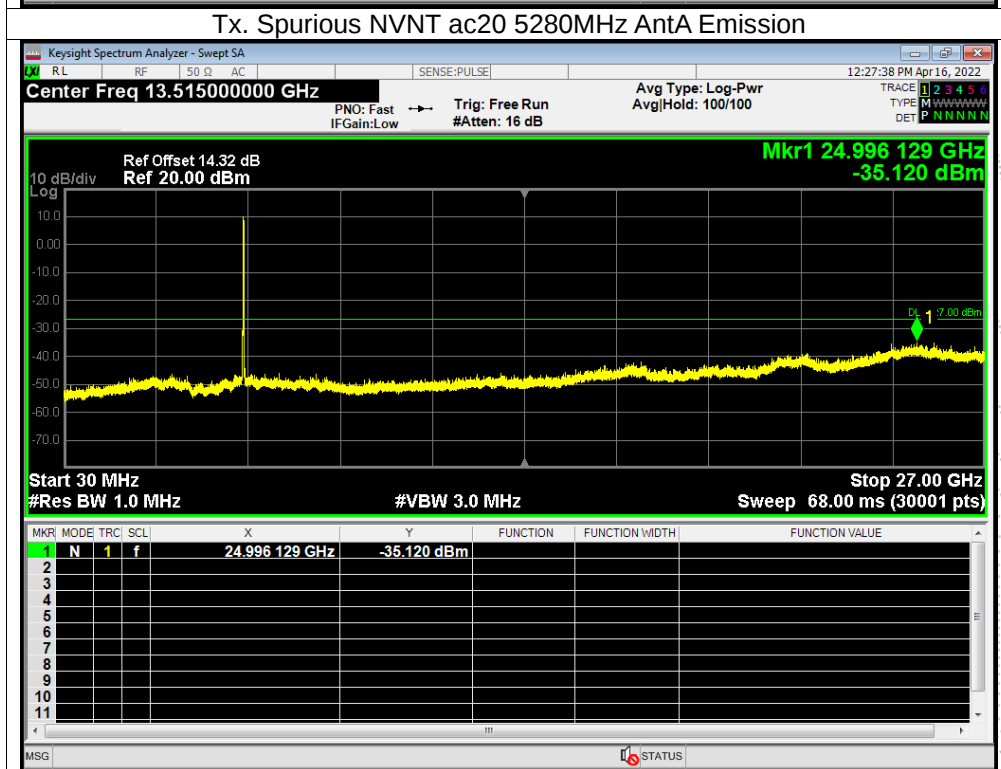
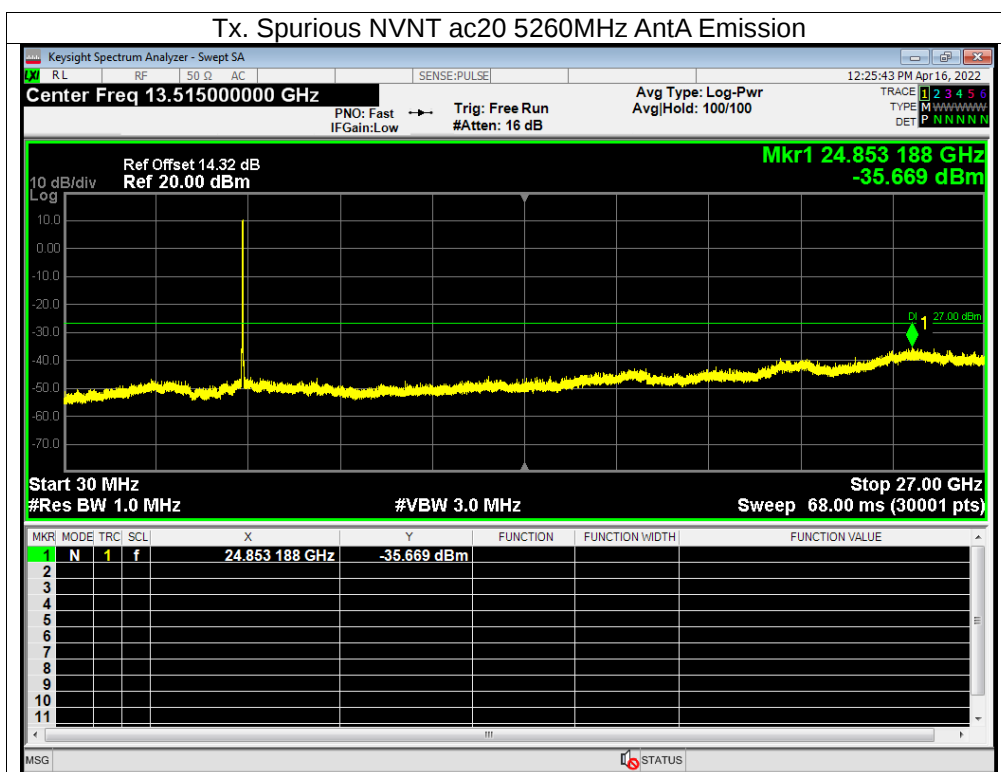


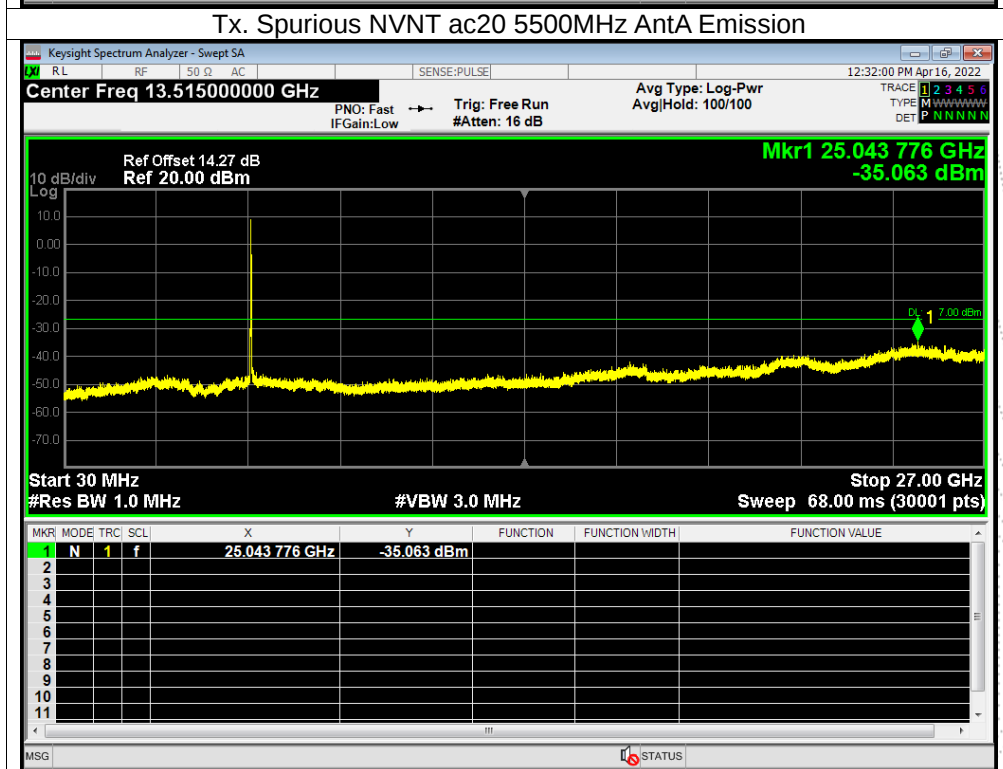
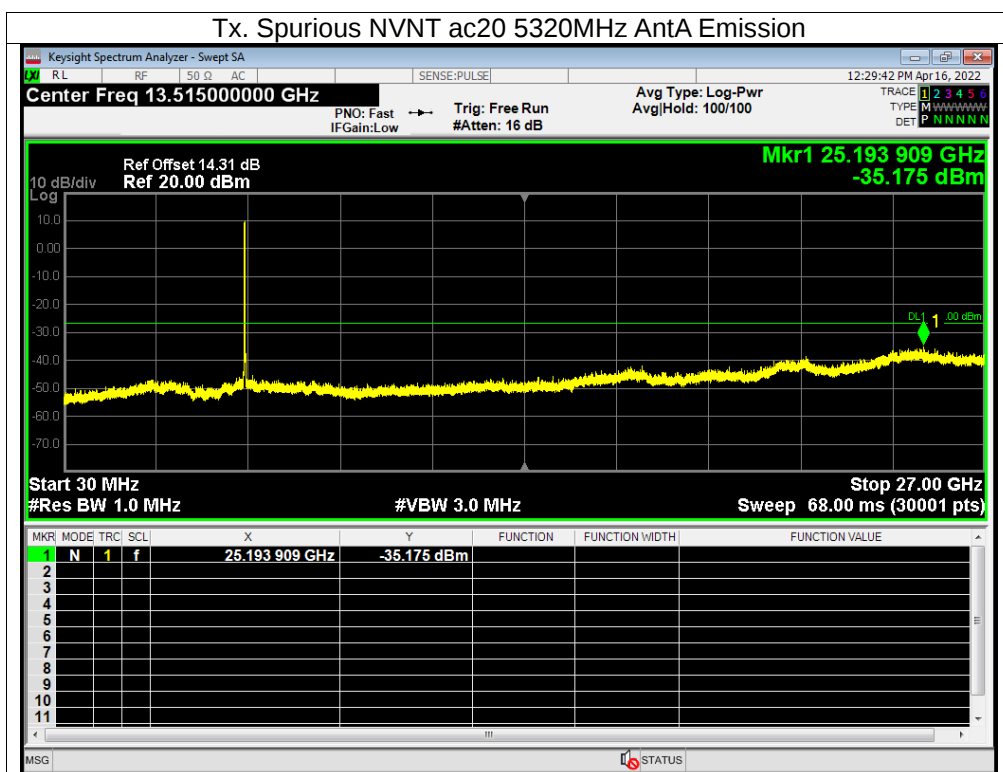


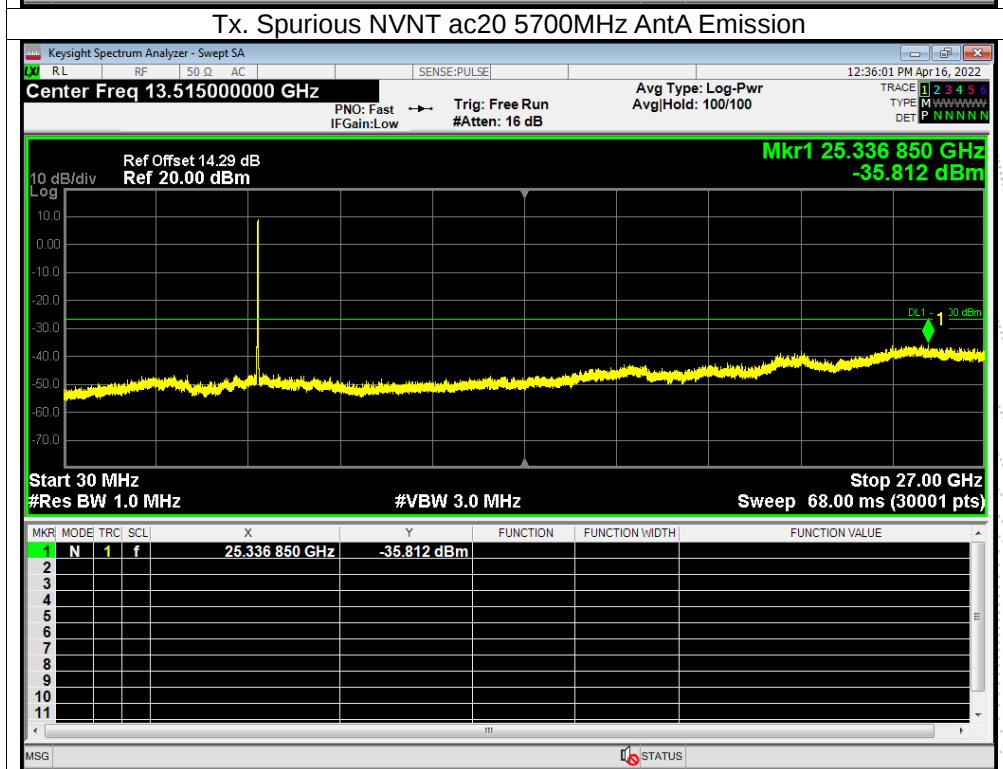
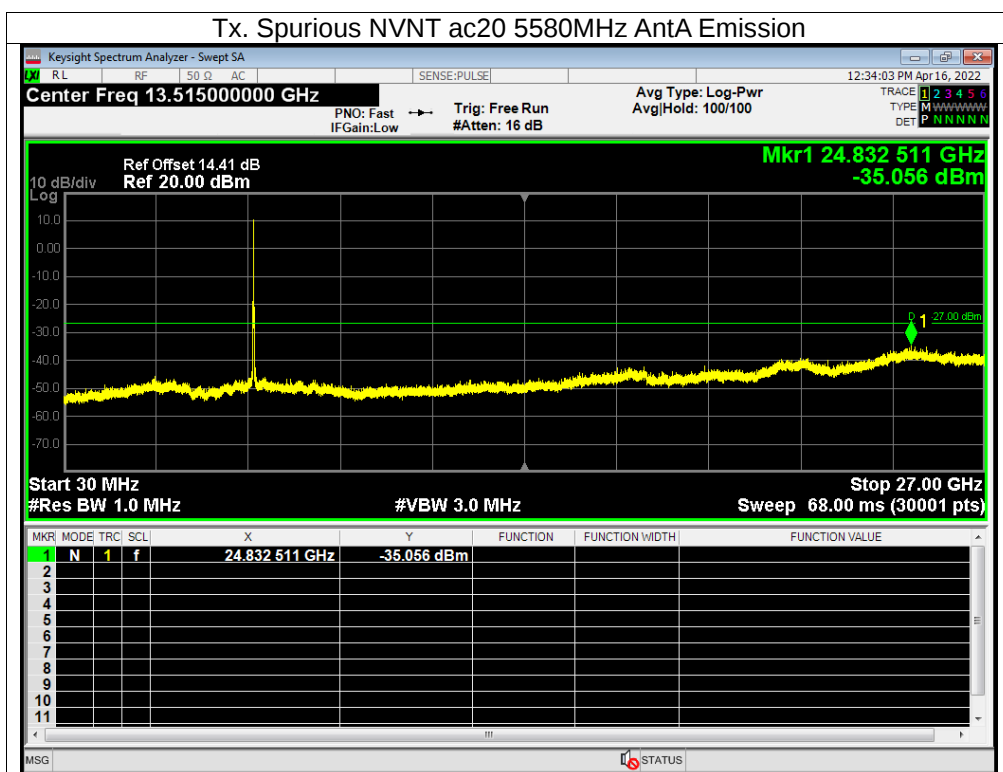


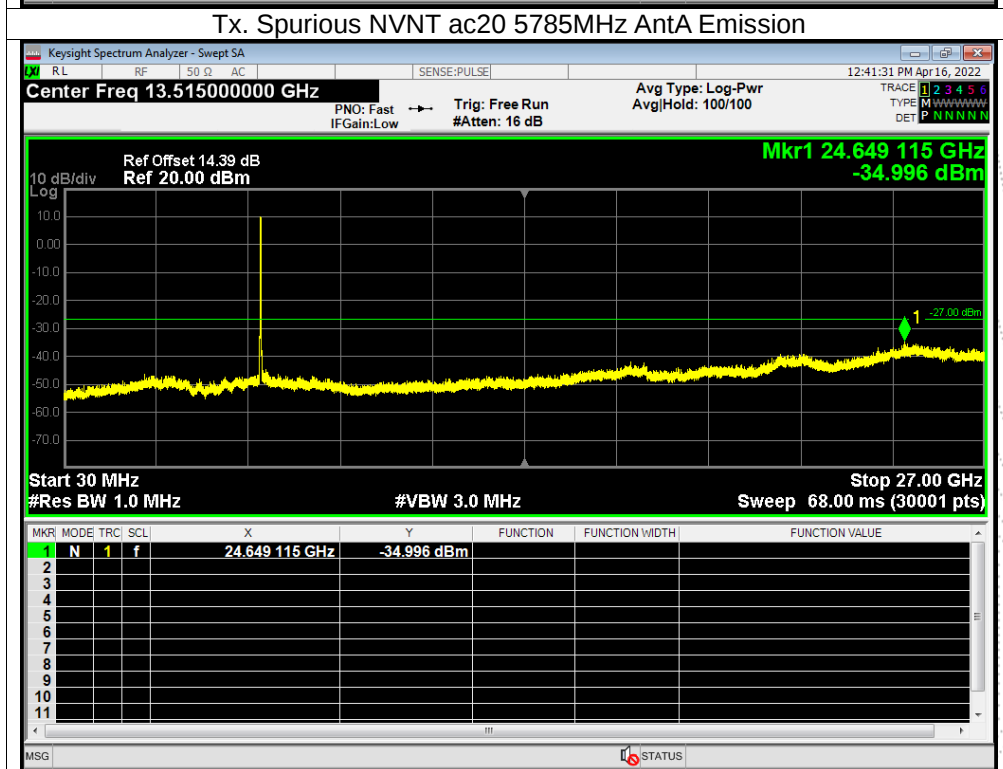
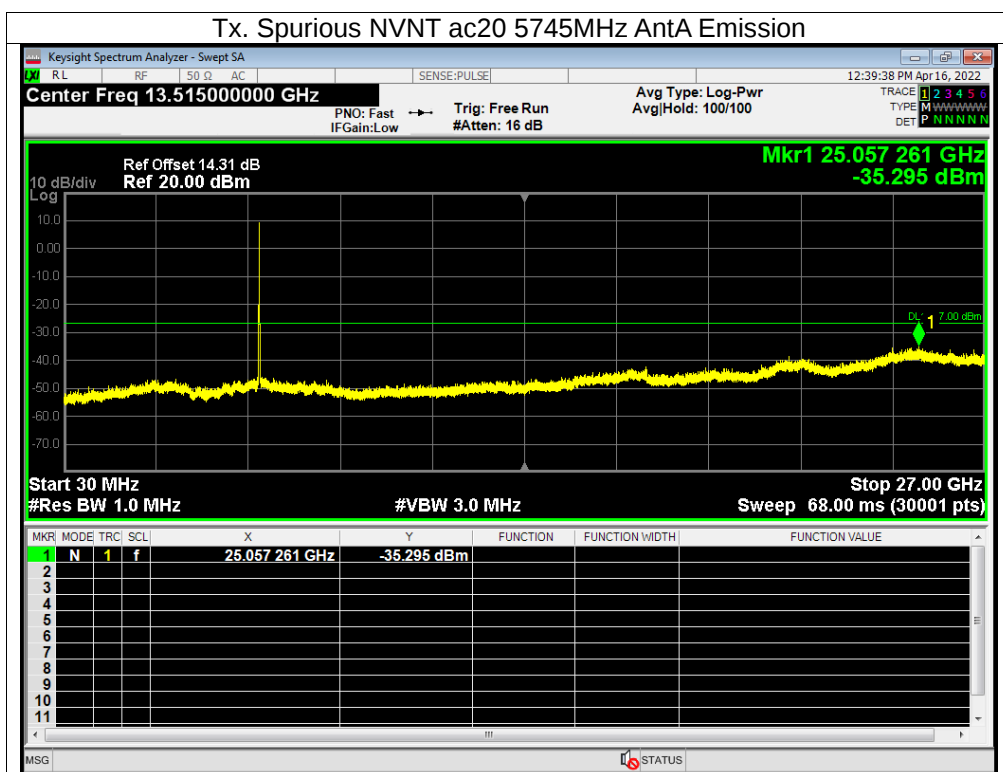


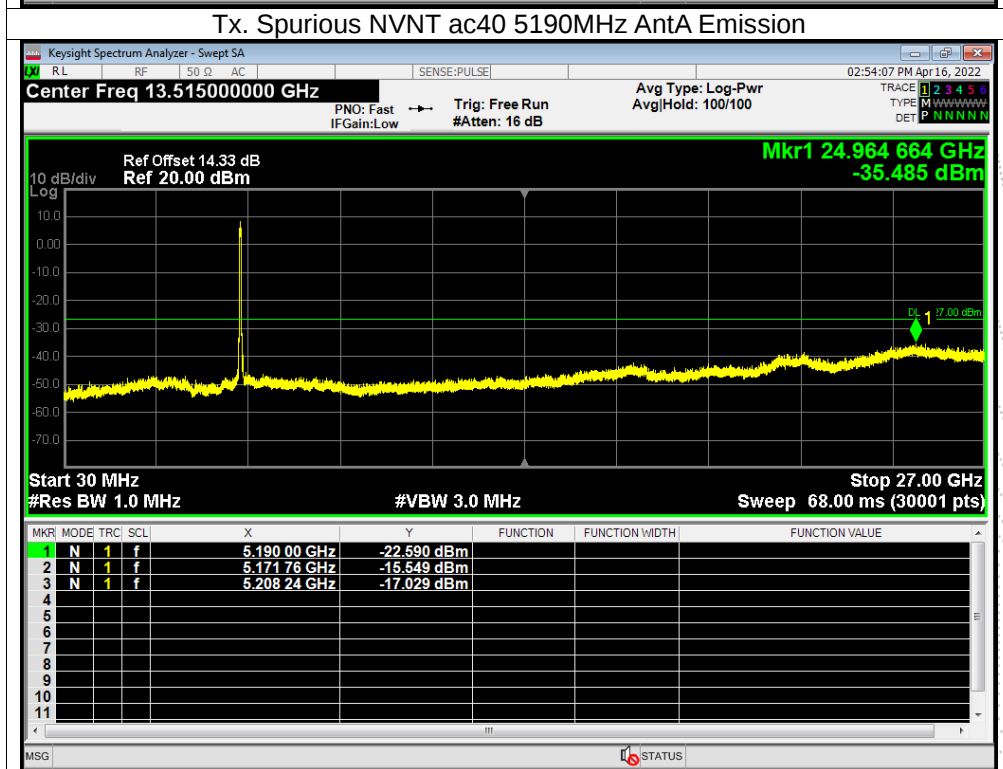
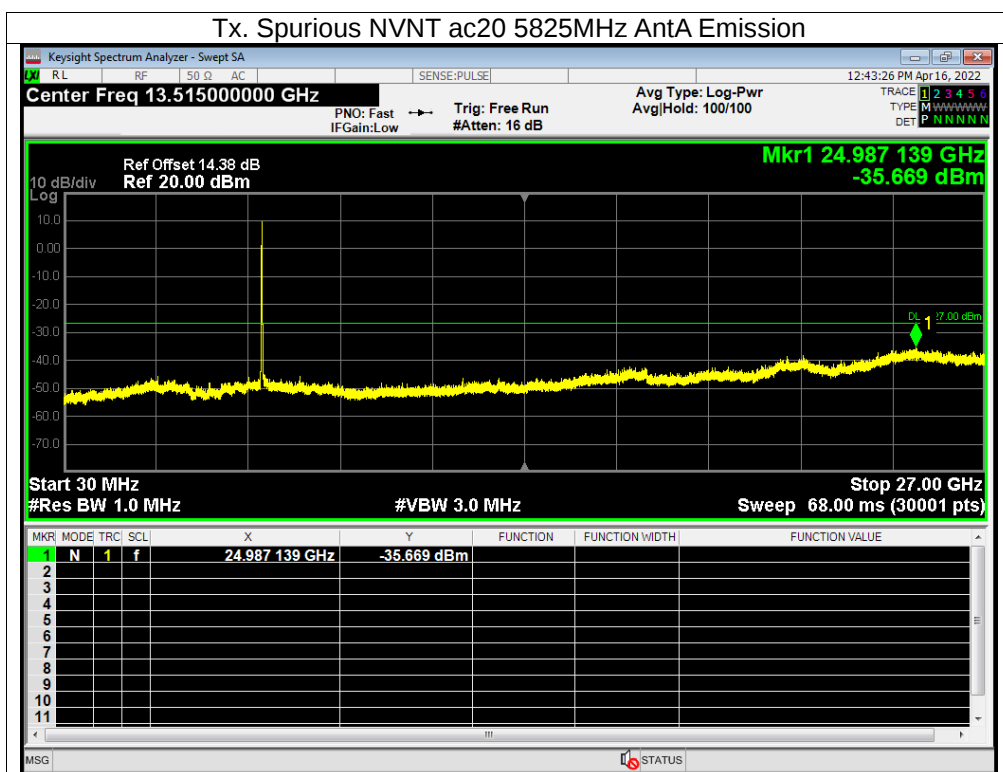


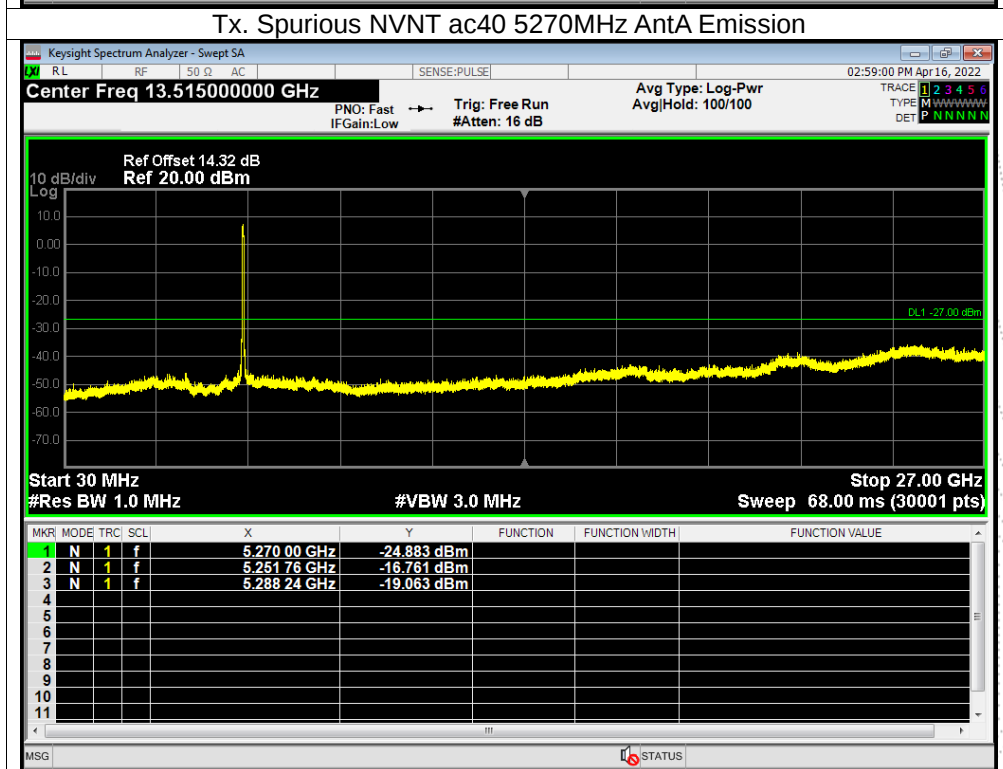
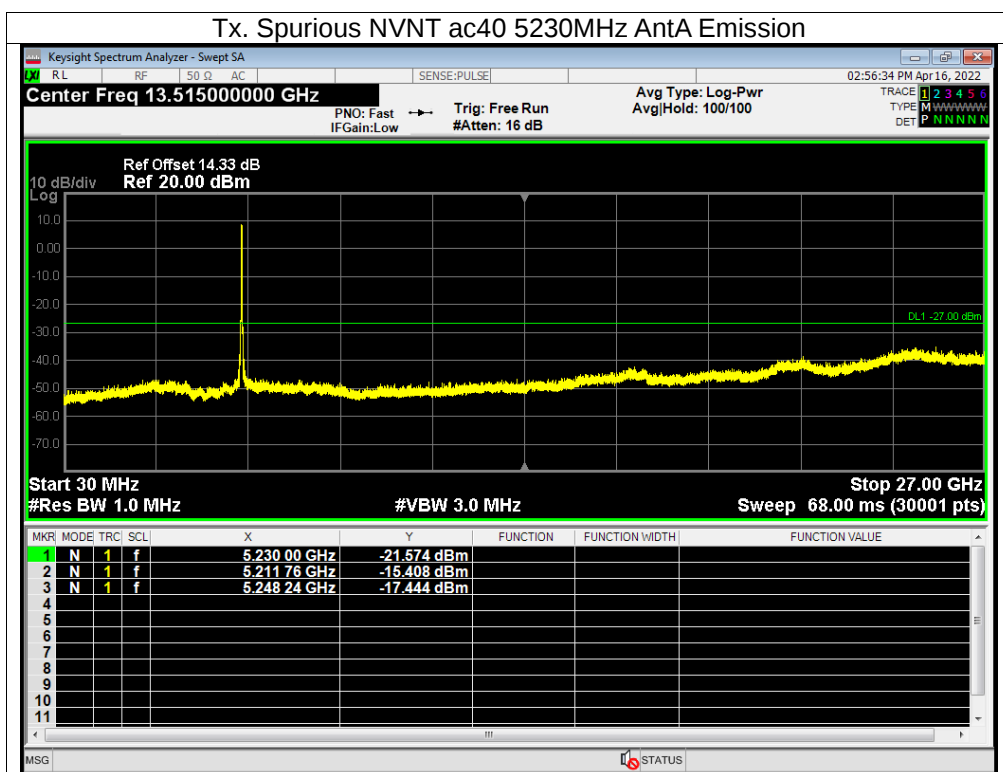


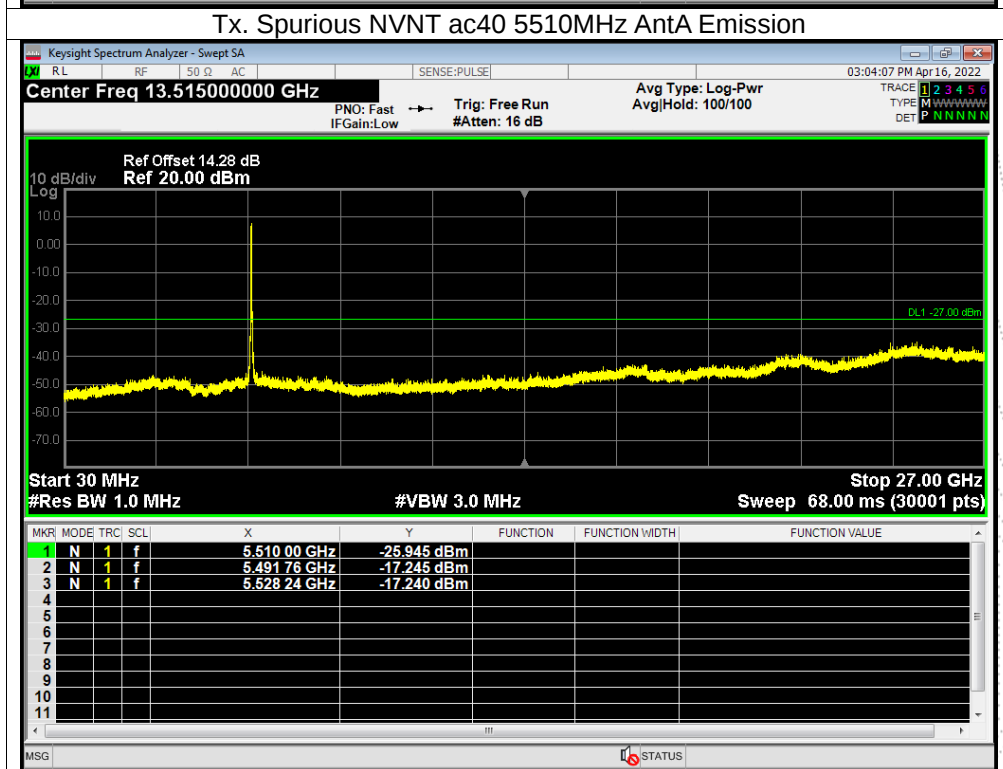
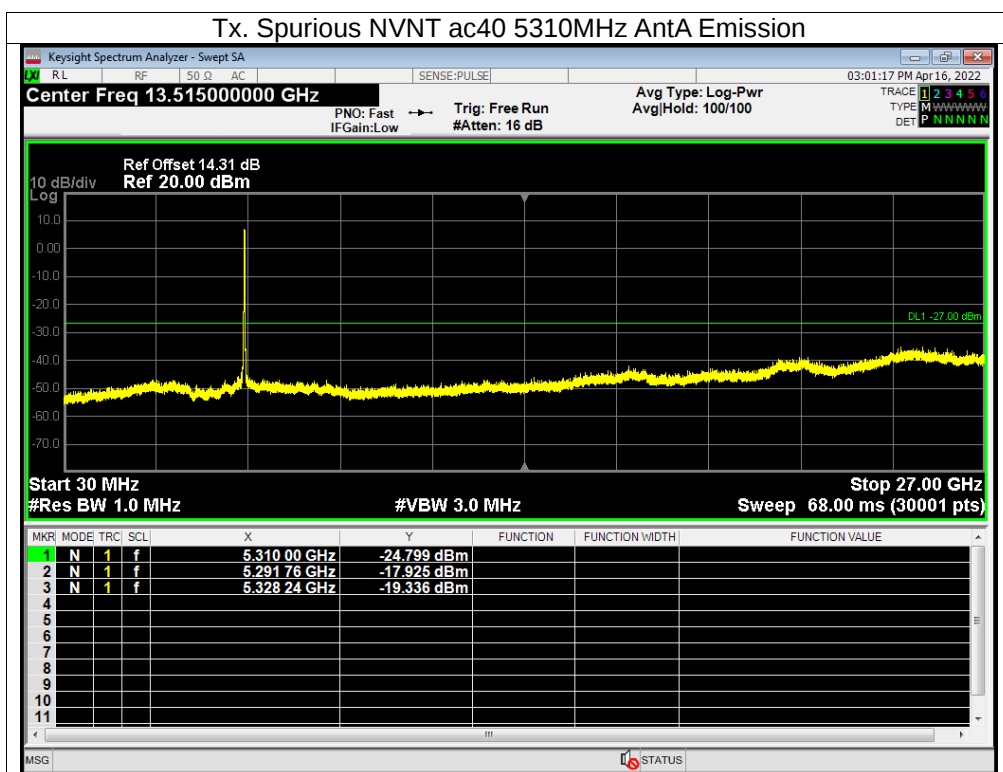


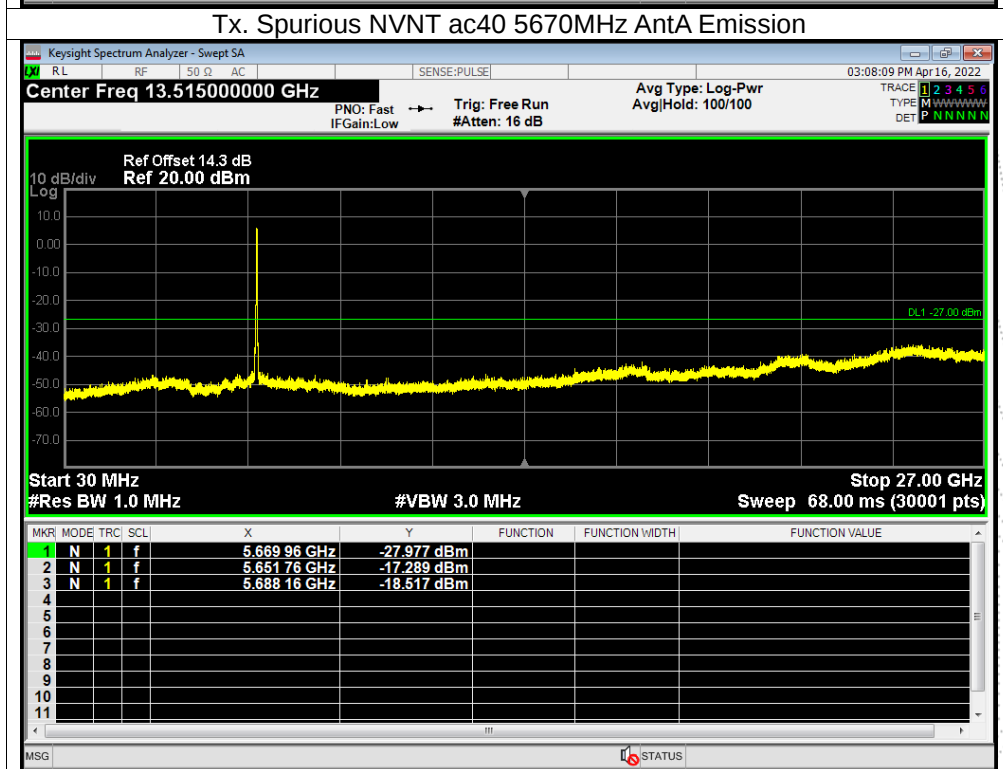
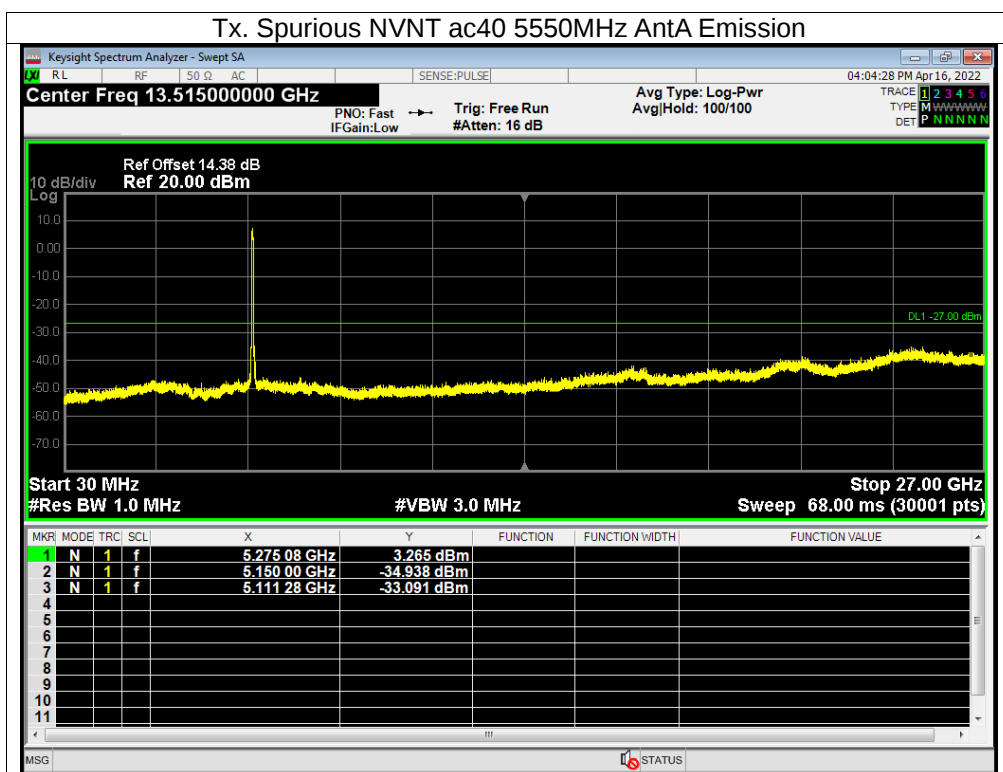


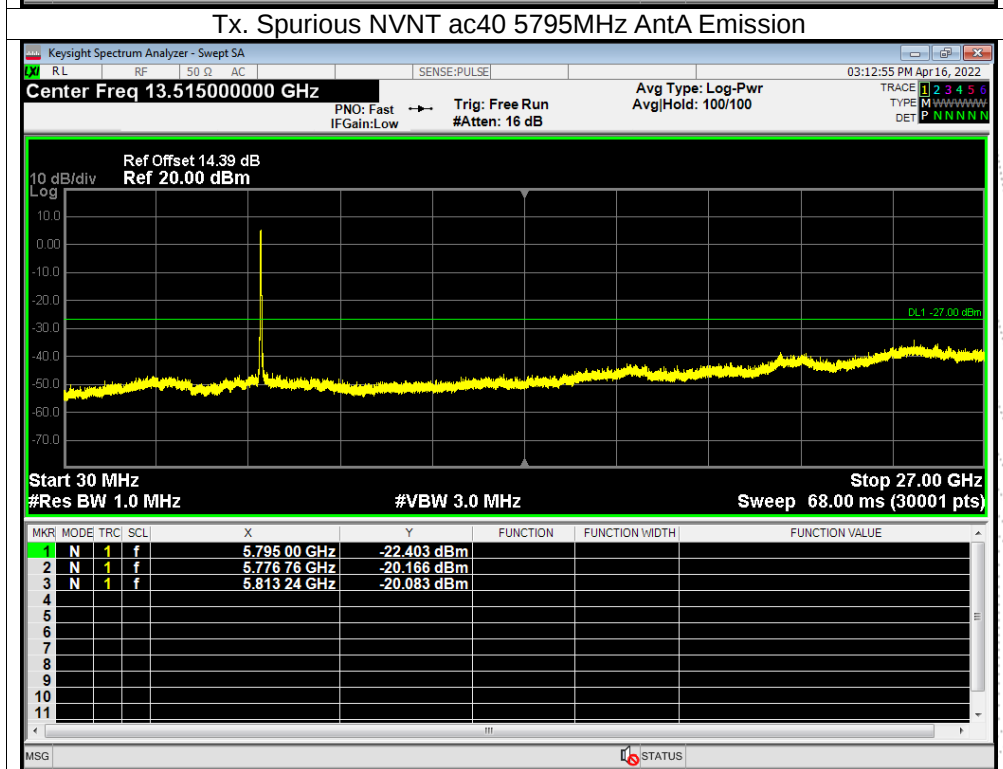
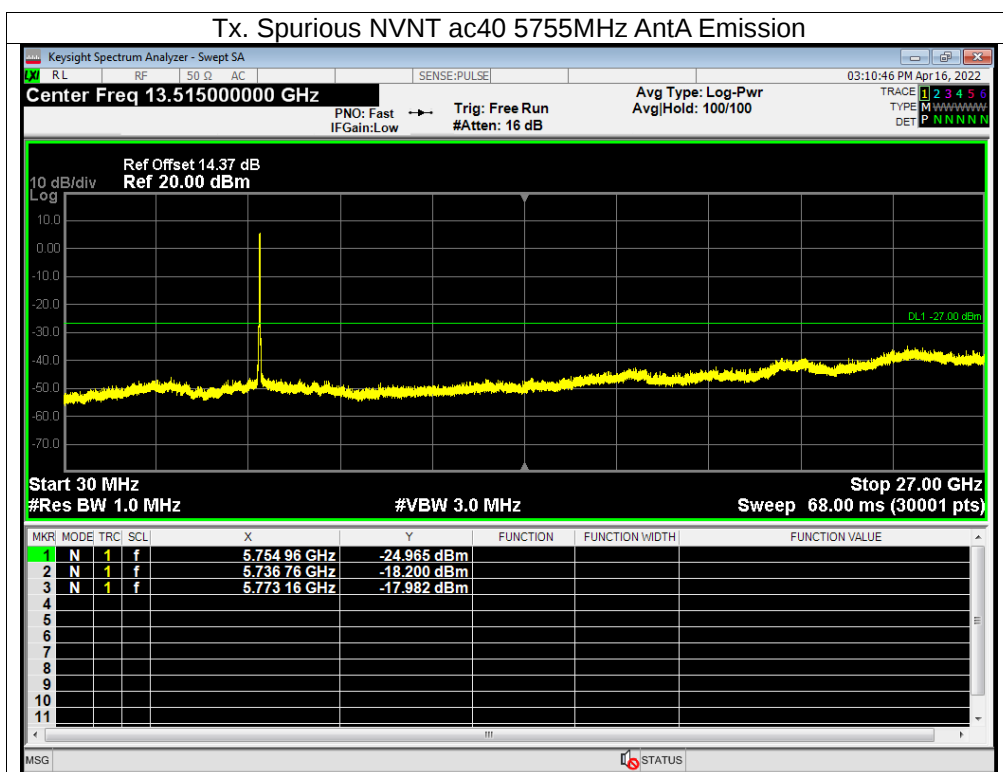


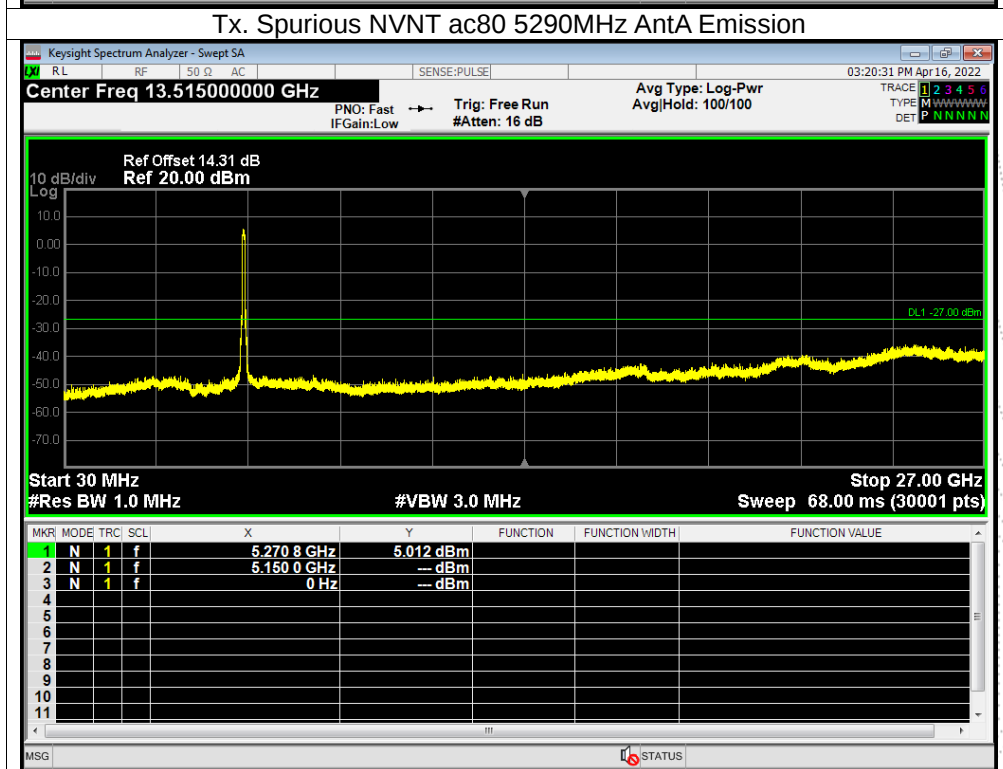
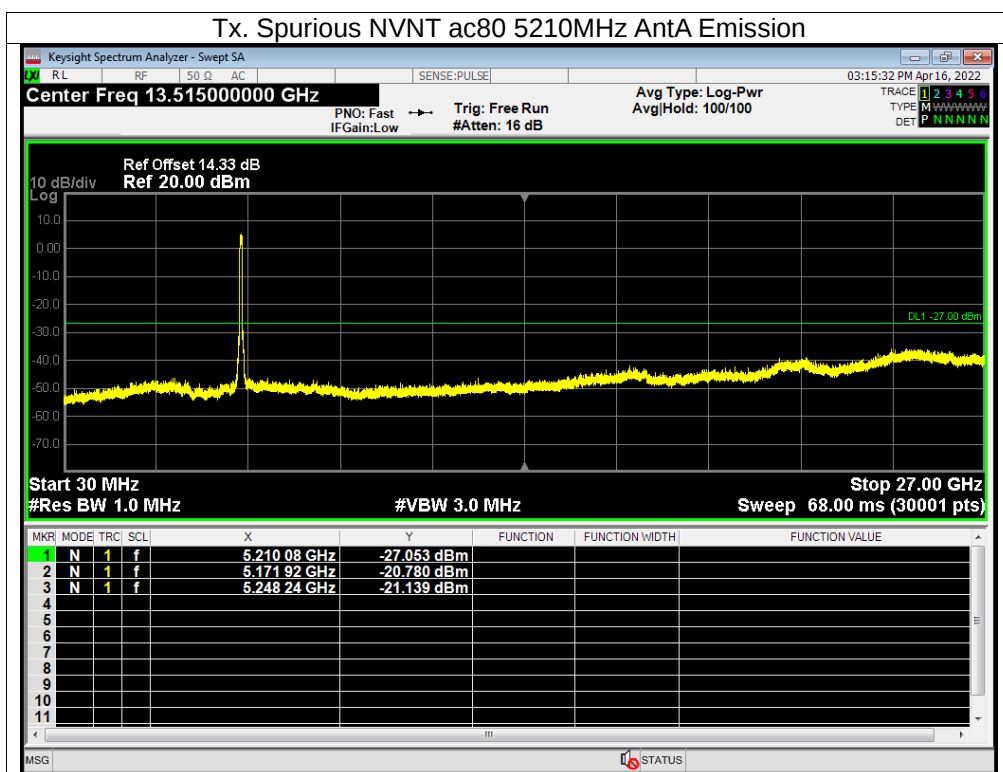


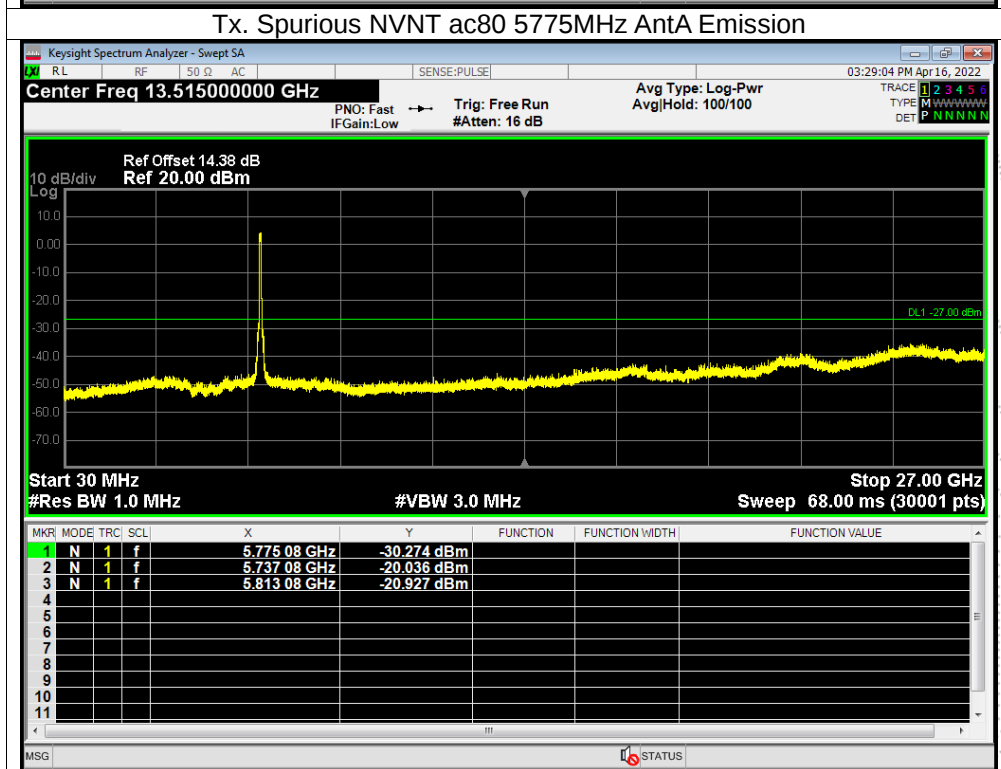
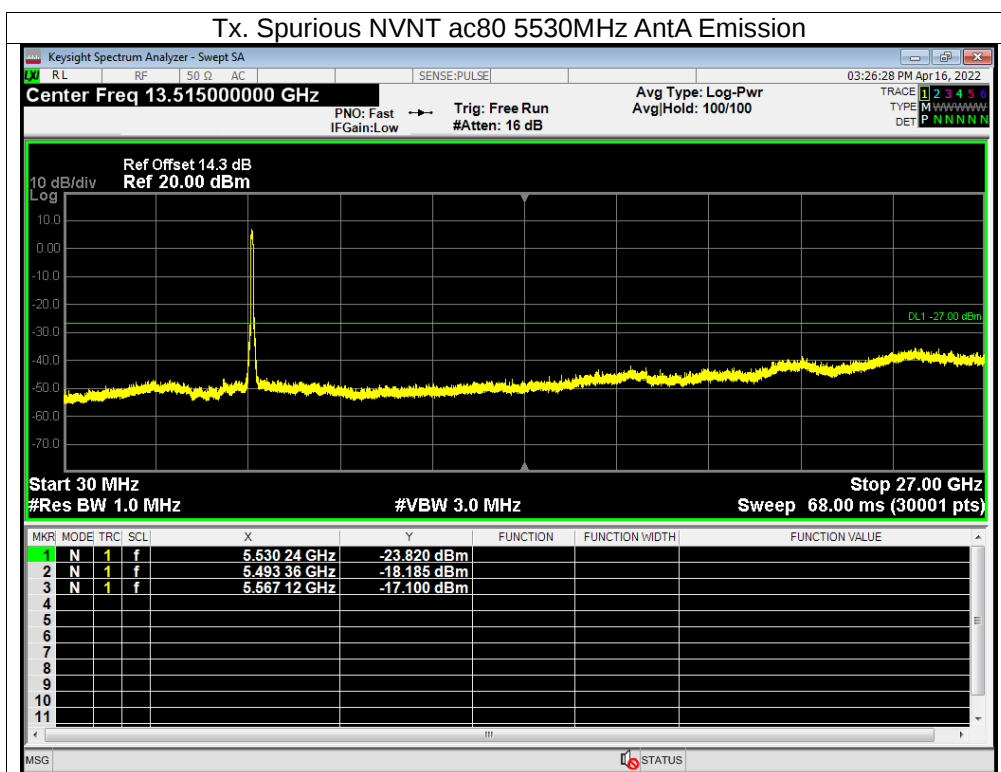












13. Frequency Stability Measurement

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:	AC120V/60Hz
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)	120.00	5180.0005	5180	0.0005	0.0888
		V max (V)	138.00	5180.0099	5180	0.0099	1.9026
		V min (V)	102.00	5180.0136	5180	0.0136	2.6271
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	5180.0121	5180	0.0121	2.3442
		T (°C)	-10	5180.0072	5180	0.0072	1.3987
		T (°C)	0	5180.0080	5180	0.0080	1.5407
		T (°C)	10	5180.0060	5180	0.0060	1.1674
		T (°C)	20	5180.0022	5180	0.0022	0.4254
		T (°C)	30	5180.0010	5180	0.0010	0.1868
		T (°C)	40	5180.0039	5180	0.0039	0.7496
		T (°C)	50	5180.0046	5180	0.0046	0.8818
		T (°C)	60	5180.0124	5180	0.0124	2.3916
		T (°C)	70	5180.0131	5180	0.0131	2.5318
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	5200.0045	5200	0.0045	0.8722
		V max (V)	138.00	5200.0017	5200	0.0017	0.3337
		V min (V)	102.00	5200.0098	5200	0.0098	1.8928
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	5200.01162	5200	0.01162	2.2353
		T (°C)	-10	5200.00577	5200	0.00577	1.1087
		T (°C)	0	5200.01036	5200	0.01036	1.9927
		T (°C)	10	5200.01295	5200	0.01295	2.4900
		T (°C)	20	5200.00884	5200	0.00884	1.6993
		T (°C)	30	5200.00417	5200	0.00417	0.8012
		T (°C)	40	5200.01225	5200	0.01225	2.3550
		T (°C)	50	5200.00993	5200	0.00993	1.9100
		T (°C)	60	5200.00575	5200	0.00575	1.1054
		T (°C)	70	5200.00135	5200	0.00135	0.2595
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	5240.0045	5240	0.0045	0.8635
		V max (V)	138.00	5240.0000	5240	0.0000	0.0049
		V min (V)	102.00	5240.0084	5240	0.0084	1.6040
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	5240.0129	5240	0.0129	2.4601
		T (°C)	-10	5240.0026	5240	0.0026	0.5044
		T (°C)	0	5240.0069	5240	0.0069	1.3136
		T (°C)	10	5240.0102	5240	0.0102	1.9437
		T (°C)	20	5240.0058	5240	0.0058	1.1014
		T (°C)	30	5240.0118	5240	0.0118	2.2517
		T (°C)	40	5240.0096	5240	0.0096	1.8371
		T (°C)	50	5240.0111	5240	0.0111	2.1141
		T (°C)	60	5240.0108	5240	0.0108	2.0627
		T (°C)	70	5240.0050	5240	0.0050	0.9455
Limits				5150-5250 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
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)	120.00	5260.0193	5260	0.0193	3.6738
		V max (V)	138.00	5260.0177	5260	0.0177	3.3624
		V min (V)	102.00	5260.0162	5260	0.0162	3.0748
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)	120	T (°C)	-20	5260.0020	5260	0.0020	0.3818
		T (°C)	-10	5260.0064	5260	0.0064	1.2104
		T (°C)	0	5260.0098	5260	0.0098	1.8563
		T (°C)	10	5260.0098	5260	0.0098	1.8696
		T (°C)	20	5260.0039	5260	0.0039	0.7390
		T (°C)	30	5260.0130	5260	0.0130	2.4680
		T (°C)	40	5260.0041	5260	0.0041	0.7834
		T (°C)	50	5260.0128	5260	0.0128	2.4303
		T (°C)	60	5260.0041	5260	0.0041	0.7743
		T (°C)	70	5260.0093	5260	0.0093	1.7668
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)	120.00	5280.0021	5280	0.0021	0.3969
		V max (V)	138.00	5280.0057	5280	0.0057	1.0889
		V min (V)	102.00	5280.0058	5280	0.0058	1.0971
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)	120	T (°C)	-20	5280.00014	5280	0.00014	0.0269
		T (°C)	-10	5280.01338	5280	0.01338	2.5338
		T (°C)	0	5280.00485	5280	0.00485	0.9187
		T (°C)	10	5280.01296	5280	0.01296	2.4545
		T (°C)	20	5280.00065	5280	0.00065	0.1240
		T (°C)	30	5280.00489	5280	0.00489	0.9267
		T (°C)	40	5280.00959	5280	0.00959	1.8165
		T (°C)	50	5280.00314	5280	0.00314	0.5956
		T (°C)	60	5280.00345	5280	0.00345	0.6534
		T (°C)	70	5280.01246	5280	0.01246	2.3593
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)	120.00	5320.0053	5320	0.0053	0.9989
		V max (V)	138.00	5320.0003	5320	0.0003	0.0580
		V min (V)	102.00	5320.0047	5320	0.0047	0.8830
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)	120	T (°C)	-20	5320.0098	5320	0.0098	1.8431
		T (°C)	-10	5320.0074	5320	0.0074	1.3980
		T (°C)	0	5320.0119	5320	0.0119	2.2431
		T (°C)	10	5320.0076	5320	0.0076	1.4304
		T (°C)	20	5320.0040	5320	0.0040	0.7507
		T (°C)	30	5320.0115	5320	0.0115	2.1606
		T (°C)	40	5320.0039	5320	0.0039	0.7402
		T (°C)	50	5320.0060	5320	0.0060	1.1202
		T (°C)	60	5320.0001	5320	0.0001	0.0278
		T (°C)	70	5320.0028	5320	0.0028	0.5278
Limits				5260-5320 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
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)	120.00	5500.0046	5500	0.0046	0.8362
		V max (V)	138.00	5500.0033	5500	0.0033	0.6032
		V min (V)	102.00	5500.0097	5500	0.0097	1.7567
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)	120	T (°C)	-20	5500.0094	5500	0.0094	1.7053
		T (°C)	-10	5500.0007	5500	0.0007	0.1280
		T (°C)	0	5500.0088	5500	0.0088	1.6007
		T (°C)	10	5500.0044	5500	0.0044	0.7930
		T (°C)	20	5500.0113	5500	0.0113	2.0547
		T (°C)	30	5500.0072	5500	0.0072	1.3172
		T (°C)	40	5500.0133	5500	0.0133	2.4247
		T (°C)	50	5500.0010	5500	0.0010	0.1794
		T (°C)	60	5500.0043	5500	0.0043	0.7903
		T (°C)	70	5500.0054	5500	0.0054	0.9850
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)	120.00	5580.0024	5580	0.0024	0.4282
		V max (V)	138.00	5580.0027	5580	0.0027	0.4771
		V min (V)	102.00	5580.0007	5580	0.0007	0.1165
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)	120	T (°C)	-20	5580.00110	5580	0.00110	0.1968
		T (°C)	-10	5580.01079	5580	0.01079	1.9332
		T (°C)	0	5580.00810	5580	0.00810	1.4508
		T (°C)	10	5580.01148	5580	0.01148	2.0582
		T (°C)	20	5580.00675	5580	0.00675	1.2102
		T (°C)	30	5580.00669	5580	0.00669	1.1992
		T (°C)	40	5580.00726	5580	0.00726	1.3013
		T (°C)	50	5580.00346	5580	0.00346	0.6202
		T (°C)	60	5580.00877	5580	0.00877	1.5713
		T (°C)	70	5580.00402	5580	0.00402	0.7198
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)	120.00	5700.0019	5700	0.0019	0.3290
		V max (V)	138.00	5700.0113	5700	0.0113	1.9867
		V min (V)	102.00	5700.0074	5700	0.0074	1.2974
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)	120	T (°C)	-20	5700.0034	5700	0.0034	0.6031
		T (°C)	-10	5700.0044	5700	0.0044	0.7655
		T (°C)	0	5700.0070	5700	0.0070	1.2342
		T (°C)	10	5700.0035	5700	0.0035	0.6190
		T (°C)	20	5700.0031	5700	0.0031	0.5430
		T (°C)	30	5700.0070	5700	0.0070	1.2262
		T (°C)	40	5700.0048	5700	0.0048	0.8482
		T (°C)	50	5700.0126	5700	0.0126	2.2088
		T (°C)	60	5700.0110	5700	0.0110	1.9371
		T (°C)	70	5700.0118	5700	0.0118	2.0679
Limits				5500-5700 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
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)	120.00	5745.00207	5745	0.00207	0.3595
		V max (V)	138.00	5745.01060	5745	0.01060	1.8448
		V min (V)	102.00	5745.00820	5745	0.00820	1.4279
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	5745.00327	5745	0.00327	0.5689
		T (°C)	-10	5745.00056	5745	0.00056	0.0971
		T (°C)	0	5745.00325	5745	0.00325	0.5656
		T (°C)	10	5745.00262	5745	0.00262	0.4559
		T (°C)	20	5745.00489	5745	0.00489	0.8518
		T (°C)	30	5745.00051	5745	0.00051	0.0883
		T (°C)	40	5745.00545	5745	0.00545	0.9492
		T (°C)	50	5745.00385	5745	0.00385	0.6702
		T (°C)	60	5745.01236	5745	0.01236	2.1507
		T (°C)	70	5745.00434	5745	0.00434	0.7551
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	5785.00576	5785	0.00576	0.9949
		V max (V)	138.00	5785.00595	5785	0.00595	1.0293
		V min (V)	102.00	5785.00043	5785	0.00043	0.0735
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	5785.00488	5785	0.00488	0.8435
		T (°C)	-10	5785.00184	5785	0.00184	0.3184
		T (°C)	0	5785.00610	5785	0.00610	1.0537
		T (°C)	10	5785.00037	5785	0.00037	0.0642
		T (°C)	20	5785.01040	5785	0.01040	1.7976
		T (°C)	30	5785.00358	5785	0.00358	0.6195
		T (°C)	40	5785.00080	5785	0.00080	0.1384
		T (°C)	50	5785.00618	5785	0.00618	1.0680
		T (°C)	60	5785.00914	5785	0.00914	1.5806
		T (°C)	70	5785.00762	5785	0.00762	1.3171
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	5825.00341	5825	0.00341	0.5854
		V max (V)	138.00	5825.00497	5825	0.00497	0.8539
		V min (V)	102.00	5825.01247	5825	0.01247	2.1407
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	5825.00956	5825	0.00956	1.6410
		T (°C)	-10	5825.00893	5825	0.00893	1.5325
		T (°C)	0	5825.00292	5825	0.00292	0.5010
		T (°C)	10	5825.00011	5825	0.00011	0.0187
		T (°C)	20	5825.00298	5825	0.00298	0.5121
		T (°C)	30	5825.00944	5825	0.00944	1.6204
		T (°C)	40	5825.00047	5825	0.00047	0.0803
		T (°C)	50	5825.00099	5825	0.00099	0.1698
		T (°C)	60	5825.00975	5825	0.00975	1.6740
		T (°C)	70	5825.00573	5825	0.00573	0.9831
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	a	5260	AntA	100	0	0
NVNT	a	5280	AntA	100	0	0
NVNT	a	5320	AntA	100	0	0
NVNT	a	5500	AntA	100	0	0
NVNT	a	5580	AntA	100	0	0
NVNT	a	5700	AntA	100	0	0
NVNT	a	5745	AntA	100	0	0
NVNT	a	5785	AntA	100	0	0
NVNT	a	5825	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	n20	5260	AntA	100	0	0
NVNT	n20	5280	AntA	100	0	0
NVNT	n20	5320	AntA	100	0	0
NVNT	n20	5500	AntA	100	0	0
NVNT	n20	5580	AntA	100	0	0
NVNT	n20	5700	AntA	100	0	0
NVNT	n20	5745	AntA	100	0	0
NVNT	n20	5785	AntA	100	0	0
NVNT	n20	5825	AntA	100	0	0
NVNT	n40	5190	AntA	100	0	0
NVNT	n40	5230	AntA	100	0	0

NVNT	n40	5270	AntA	100	0	0
NVNT	n40	5310	AntA	100	0	0
NVNT	n40	5510	AntA	100	0	0
NVNT	n40	5550	AntA	100	0	0
NVNT	n40	5670	AntA	100	0	0
NVNT	n40	5755	AntA	100	0	0
NVNT	n40	5795	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	ac20	5260	AntA	100	0	0
NVNT	ac20	5280	AntA	100	0	0
NVNT	ac20	5320	AntA	100	0	0
NVNT	ac20	5500	AntA	100	0	0
NVNT	ac20	5580	AntA	100	0	0
NVNT	ac20	5700	AntA	100	0	0
NVNT	ac20	5745	AntA	100	0	0
NVNT	ac20	5785	AntA	100	0	0
NVNT	ac20	5825	AntA	100	0	0
NVNT	ac40	5190	AntA	100	0	0
NVNT	ac40	5230	AntA	100	0	0
NVNT	ac40	5270	AntA	100	0	0
NVNT	ac40	5310	AntA	100	0	0
NVNT	ac40	5510	AntA	100	0	0
NVNT	ac40	5550	AntA	100	0	0
NVNT	ac40	5670	AntA	100	0	0
NVNT	ac40	5755	AntA	100	0	0
NVNT	ac40	5795	AntA	100	0	0
NVNT	ac80	5210	AntA	100	0	0
NVNT	ac80	5290	AntA	100	0	0
NVNT	ac80	5530	AntA	100	0	0
NVNT	ac80	5775	AntA	100	0	0

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	a	5260	AntB	100	0	0
NVNT	a	5280	AntB	100	0	0
NVNT	a	5320	AntB	100	0	0
NVNT	a	5500	AntB	100	0	0
NVNT	a	5580	AntB	100	0	0
NVNT	a	5700	AntB	100	0	0
NVNT	a	5745	AntB	100	0	0
NVNT	a	5785	AntB	100	0	0
NVNT	a	5825	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	n20	5260	AntB	100	0	0
NVNT	n20	5280	AntB	100	0	0
NVNT	n20	5320	AntB	100	0	0
NVNT	n20	5500	AntB	100	0	0
NVNT	n20	5580	AntB	100	0	0
NVNT	n20	5700	AntB	100	0	0
NVNT	n20	5745	AntB	100	0	0
NVNT	n20	5785	AntB	100	0	0

NVNT	n20	5825	AntB	100	0	0
NVNT	n40	5190	AntB	100	0	0
NVNT	n40	5230	AntB	100	0	0
NVNT	n40	5270	AntB	100	0	0
NVNT	n40	5310	AntB	100	0	0
NVNT	n40	5510	AntB	100	0	0
NVNT	n40	5550	AntB	100	0	0
NVNT	n40	5670	AntB	100	0	0
NVNT	n40	5755	AntB	100	0	0
NVNT	n40	5795	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	ac20	5260	AntB	100	0	0
NVNT	ac20	5280	AntB	100	0	0
NVNT	ac20	5320	AntB	100	0	0
NVNT	ac20	5500	AntB	100	0	0
NVNT	ac20	5580	AntB	100	0	0
NVNT	ac20	5700	AntB	100	0	0
NVNT	ac20	5745	AntB	100	0	0
NVNT	ac20	5785	AntB	100	0	0
NVNT	ac20	5825	AntB	100	0	0
NVNT	ac40	5190	AntB	100	0	0
NVNT	ac40	5230	AntB	100	0	0
NVNT	ac40	5270	AntB	100	0	0
NVNT	ac40	5310	AntB	100	0	0
NVNT	ac40	5510	AntB	100	0	0
NVNT	ac40	5550	AntB	100	0	0
NVNT	ac40	5670	AntB	100	0	0
NVNT	ac40	5755	AntB	100	0	0
NVNT	ac40	5795	AntB	100	0	0
NVNT	ac80	5210	AntB	100	0	0
NVNT	ac80	5290	AntB	100	0	0
NVNT	ac80	5530	AntB	100	0	0
NVNT	ac80	5775	AntB	100	0	0

