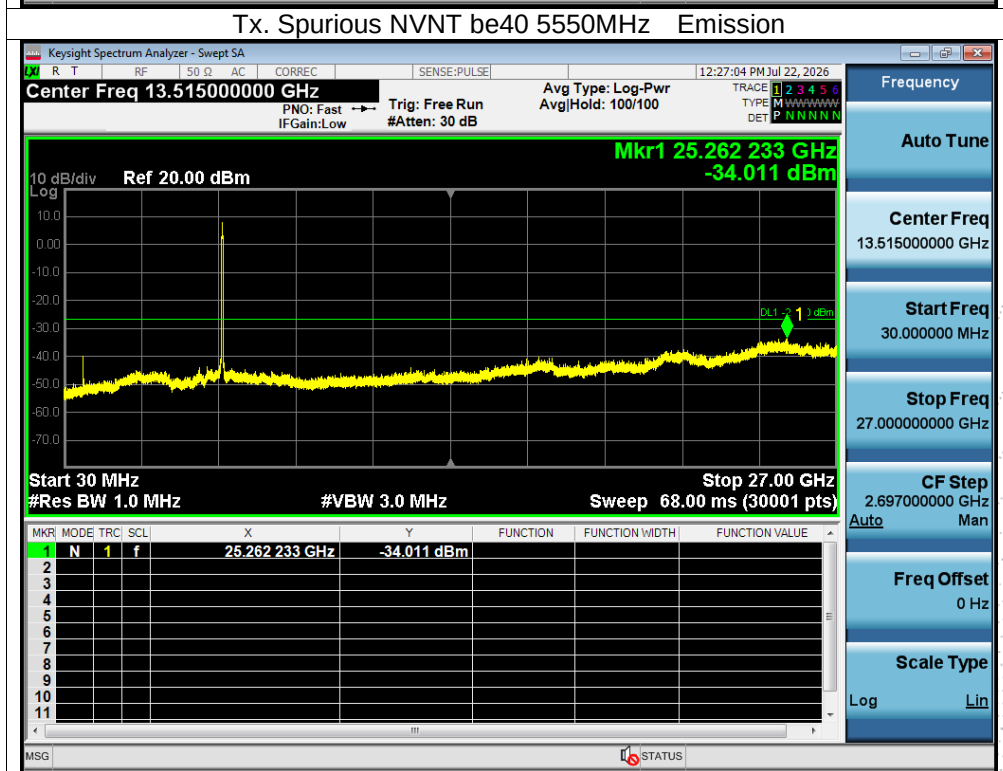
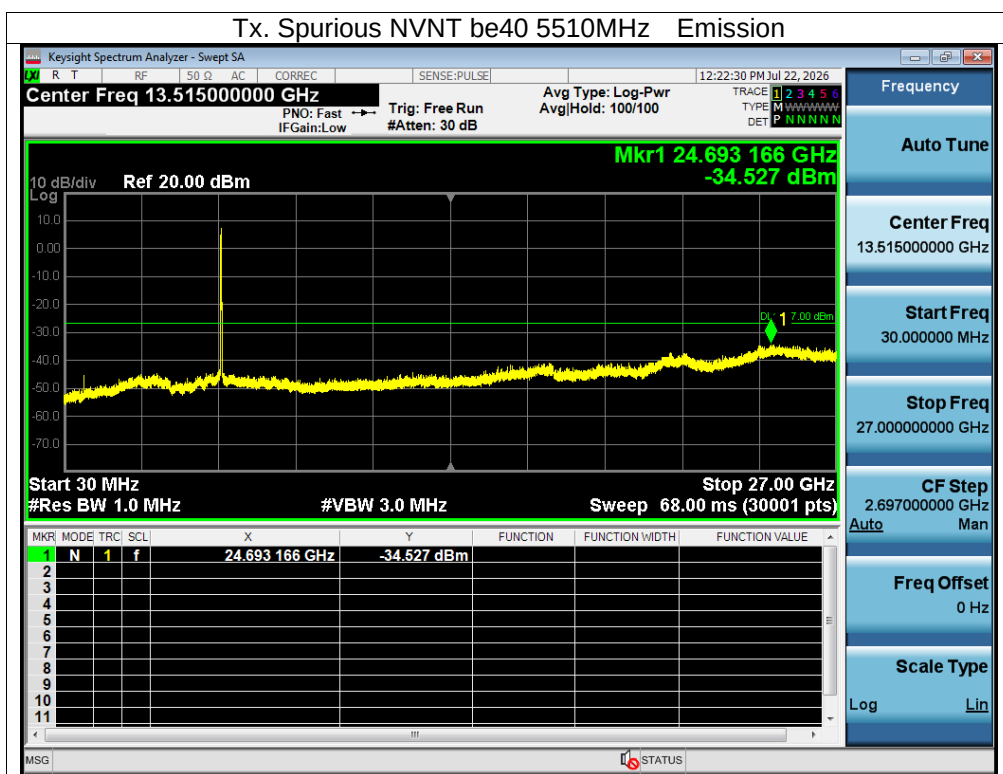
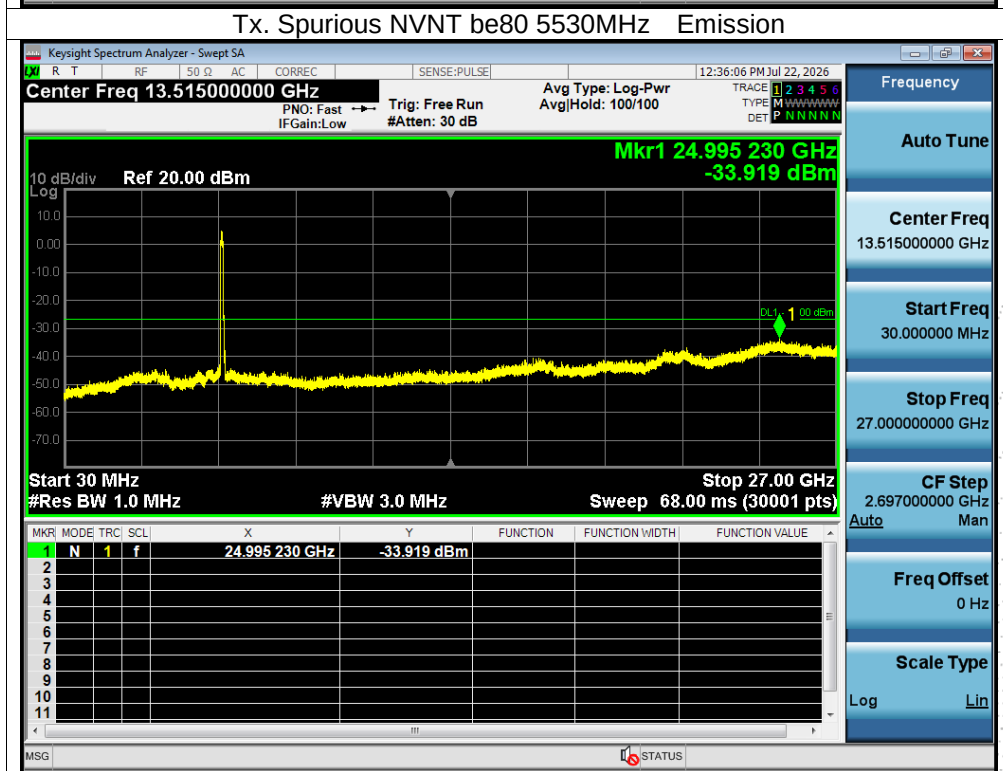
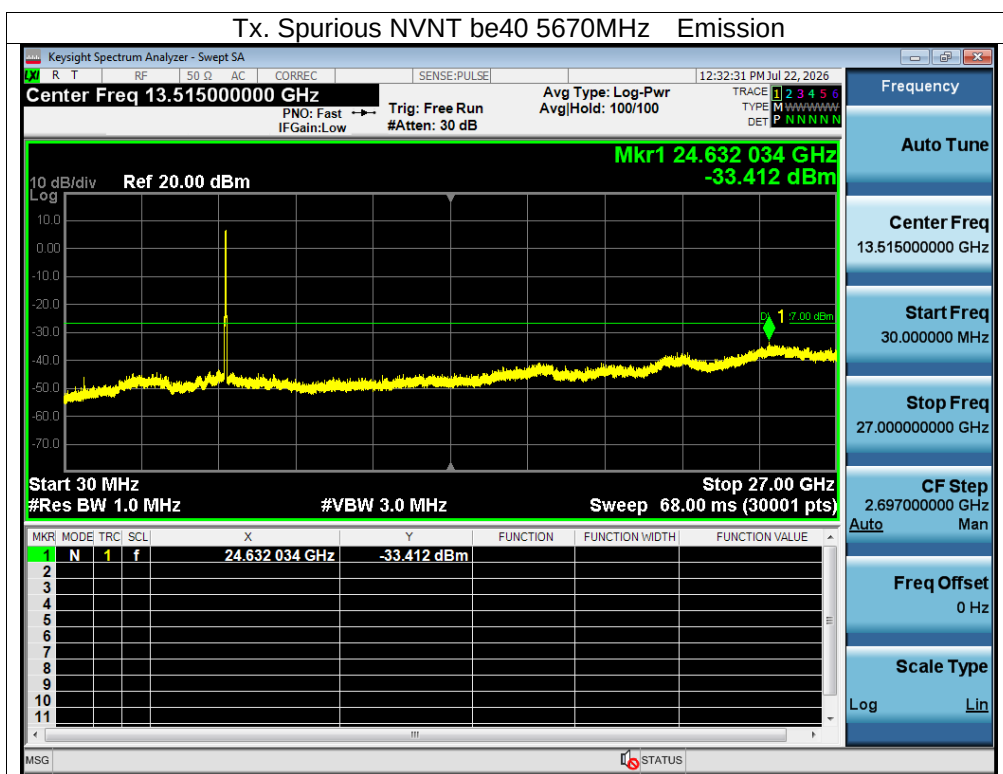
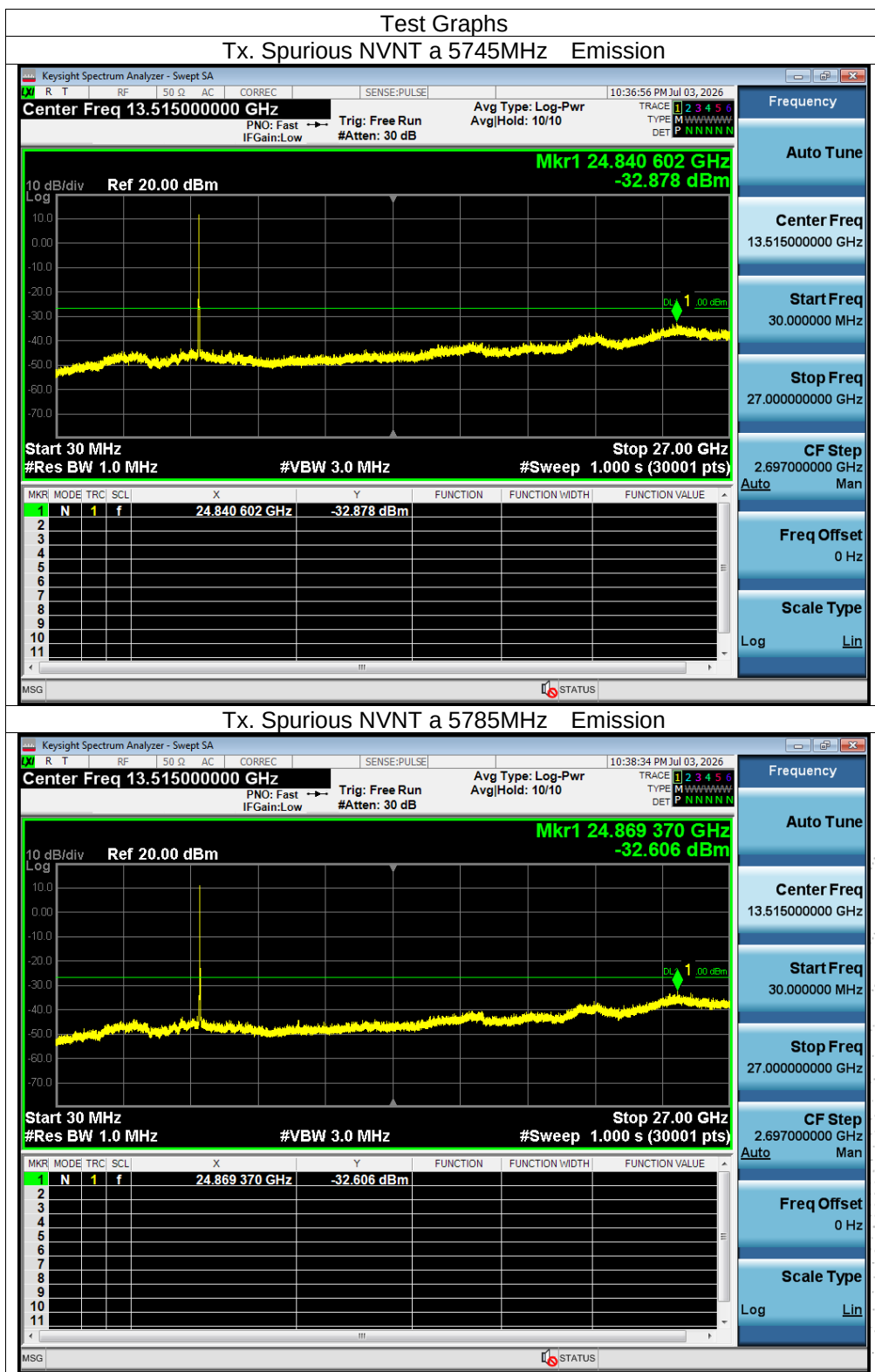
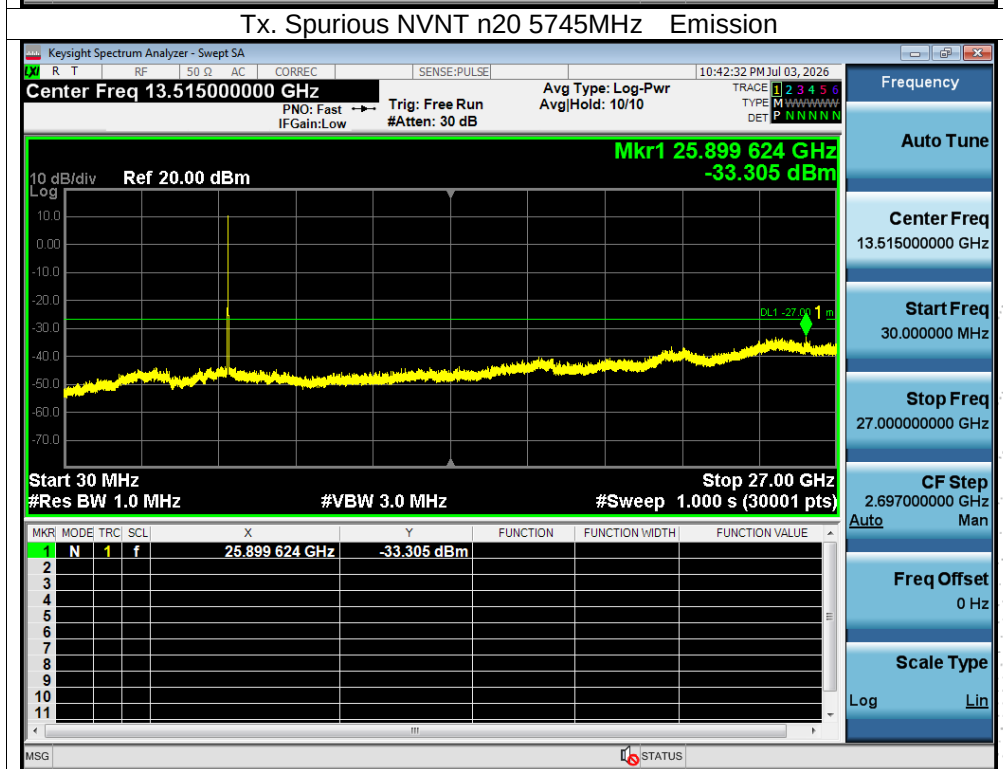
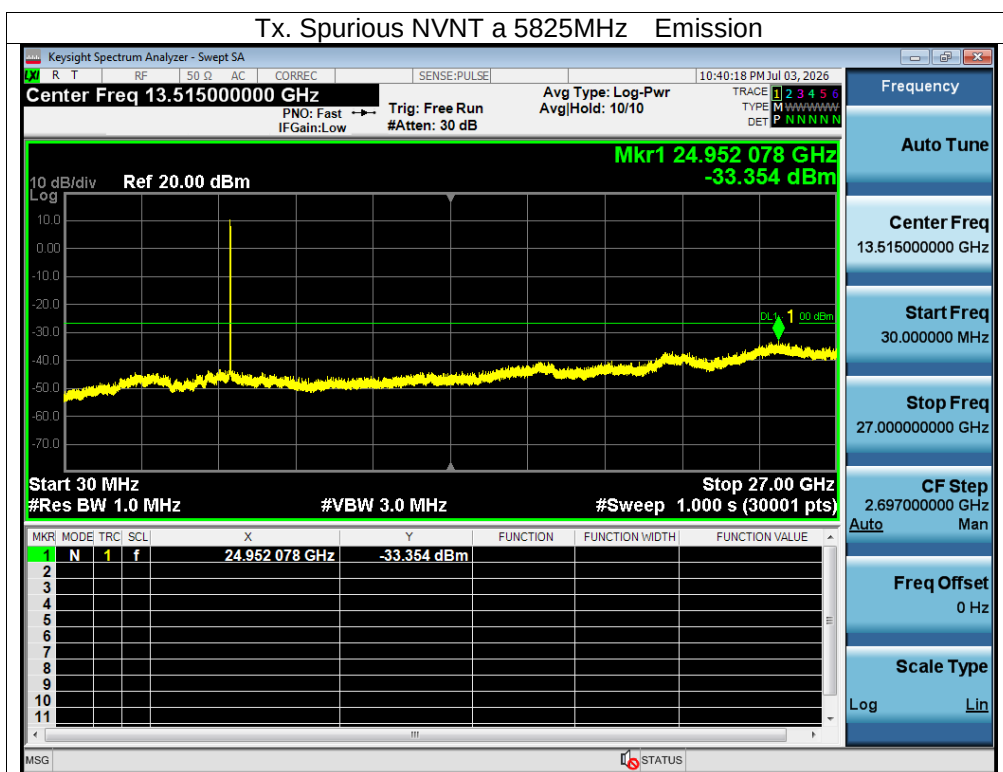


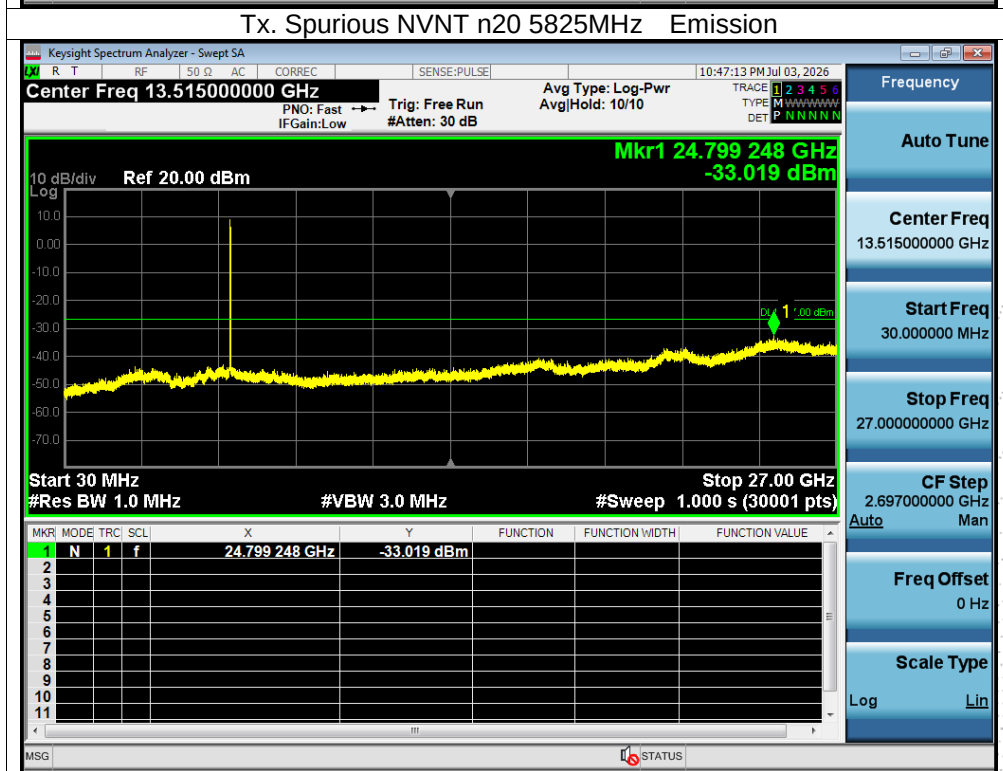
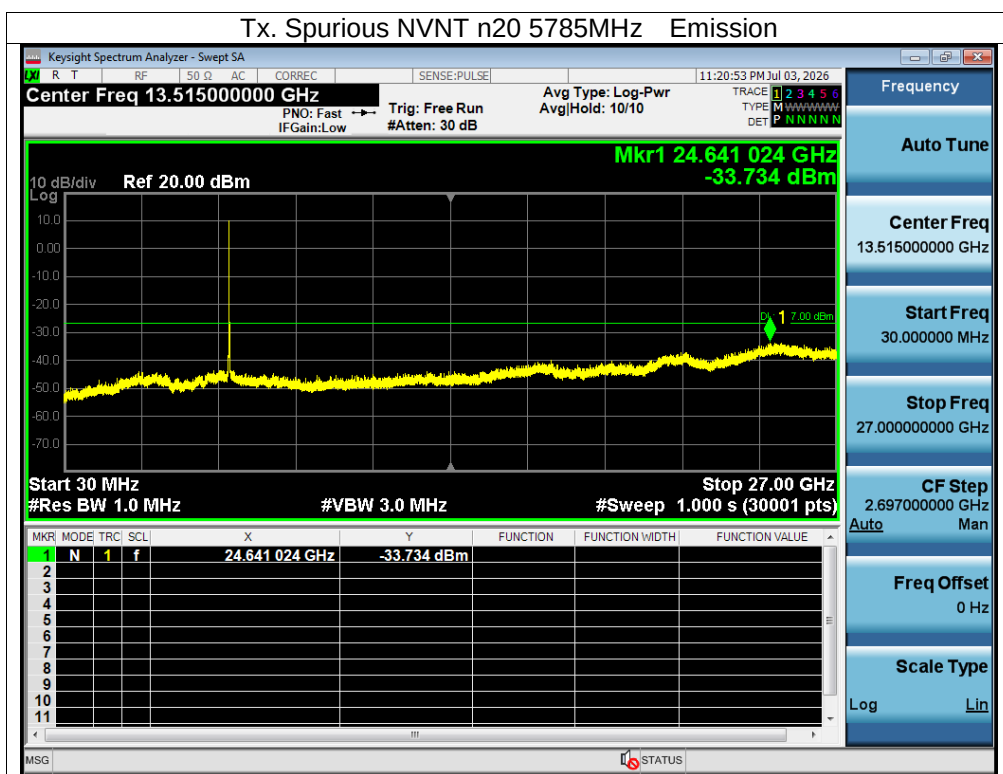


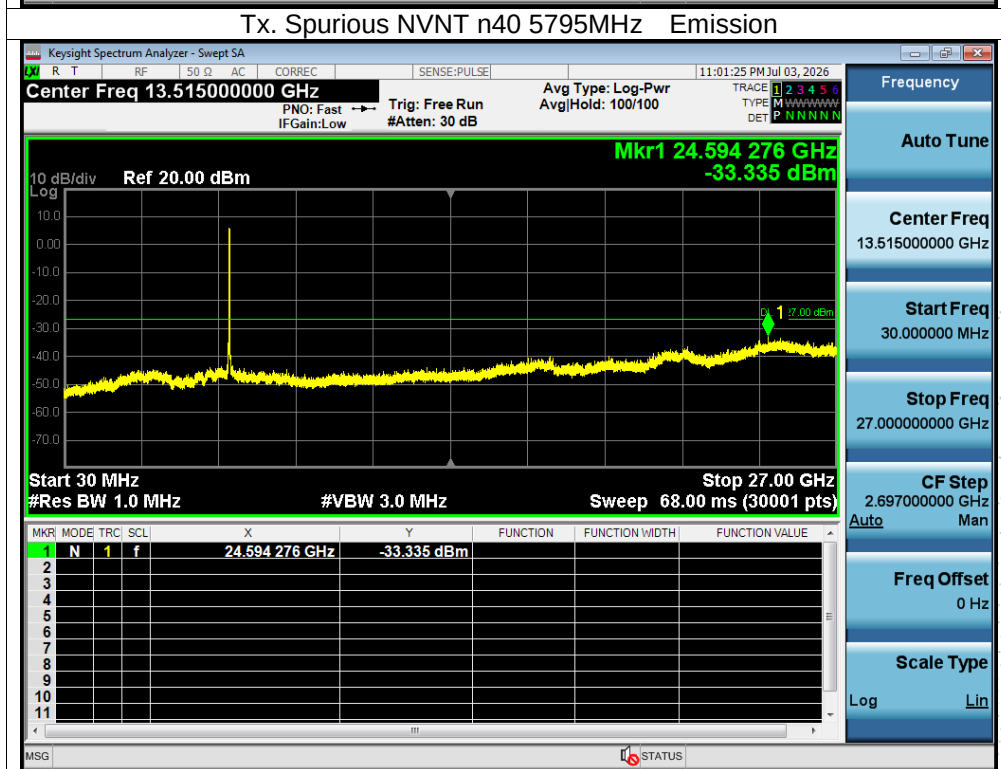
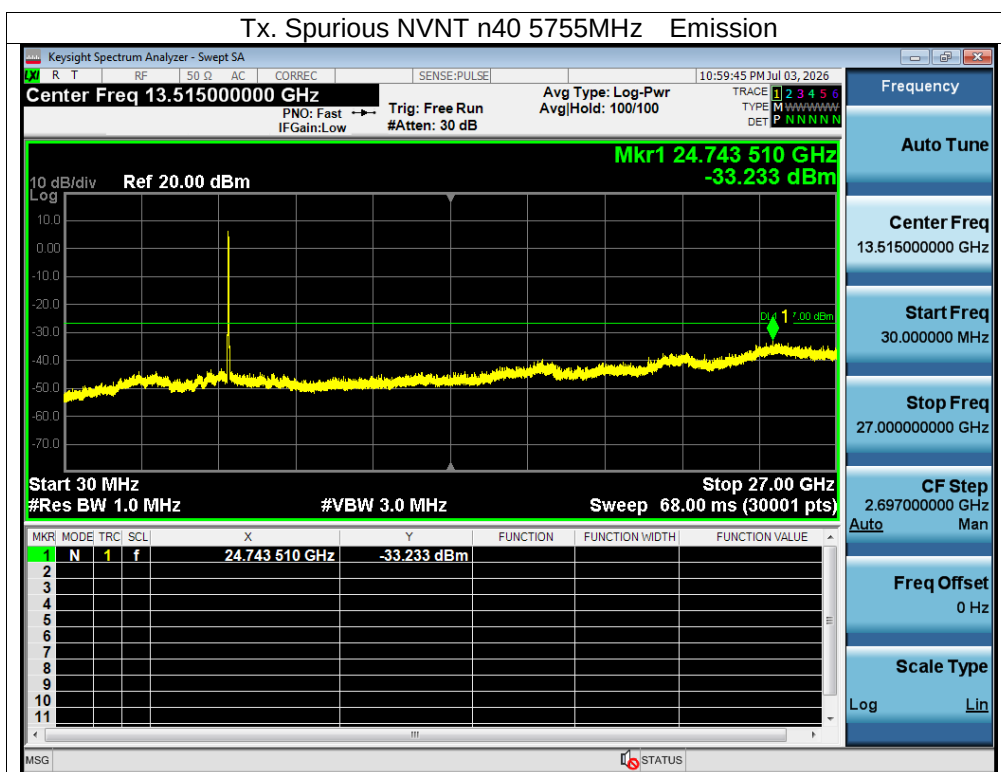


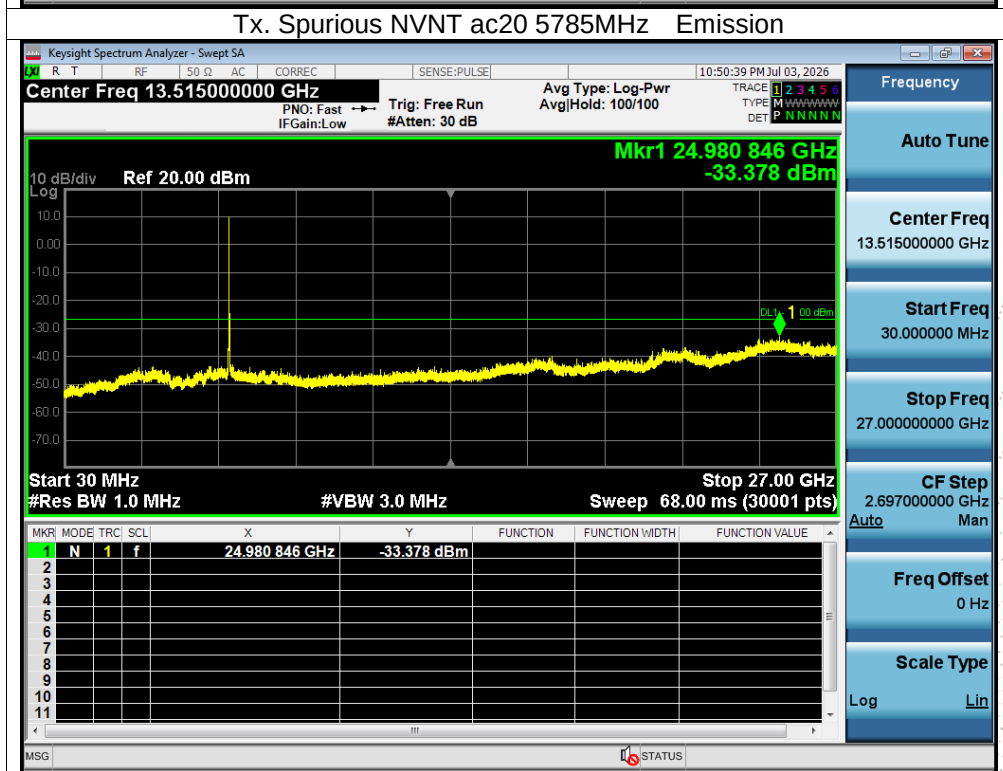
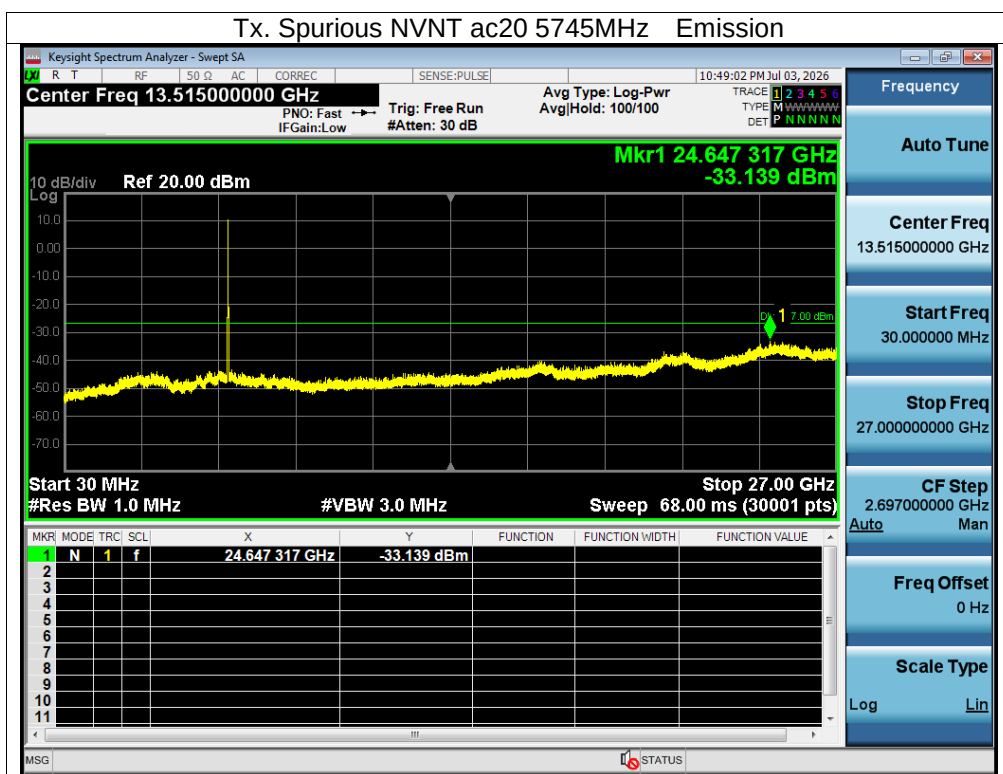
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A. Plot.

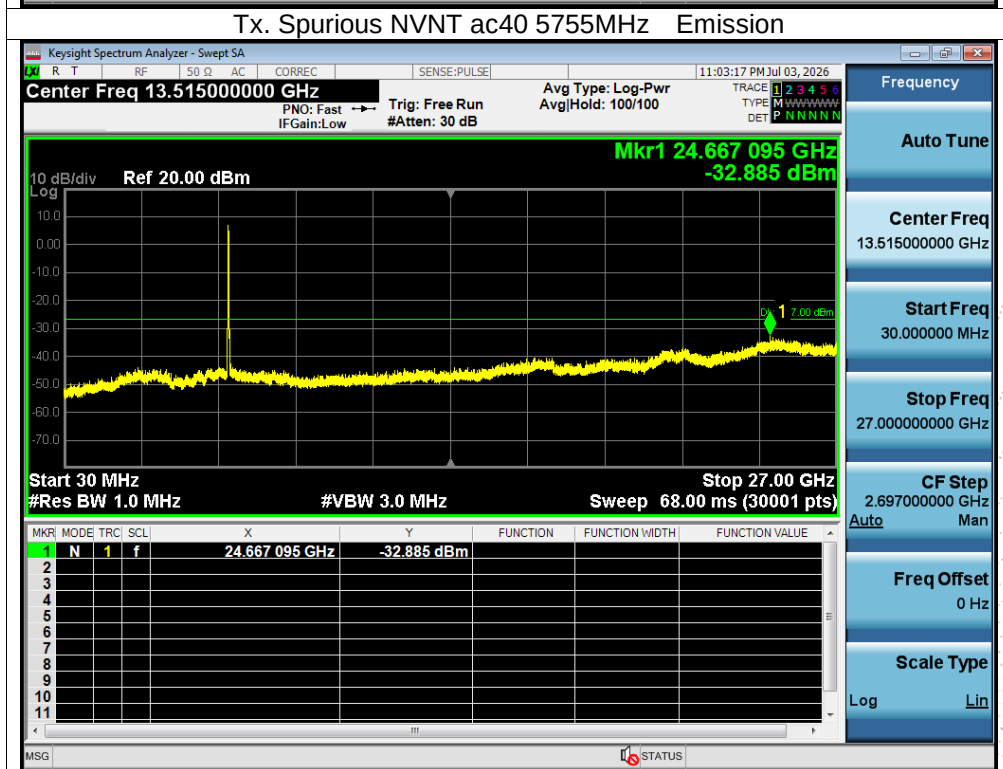
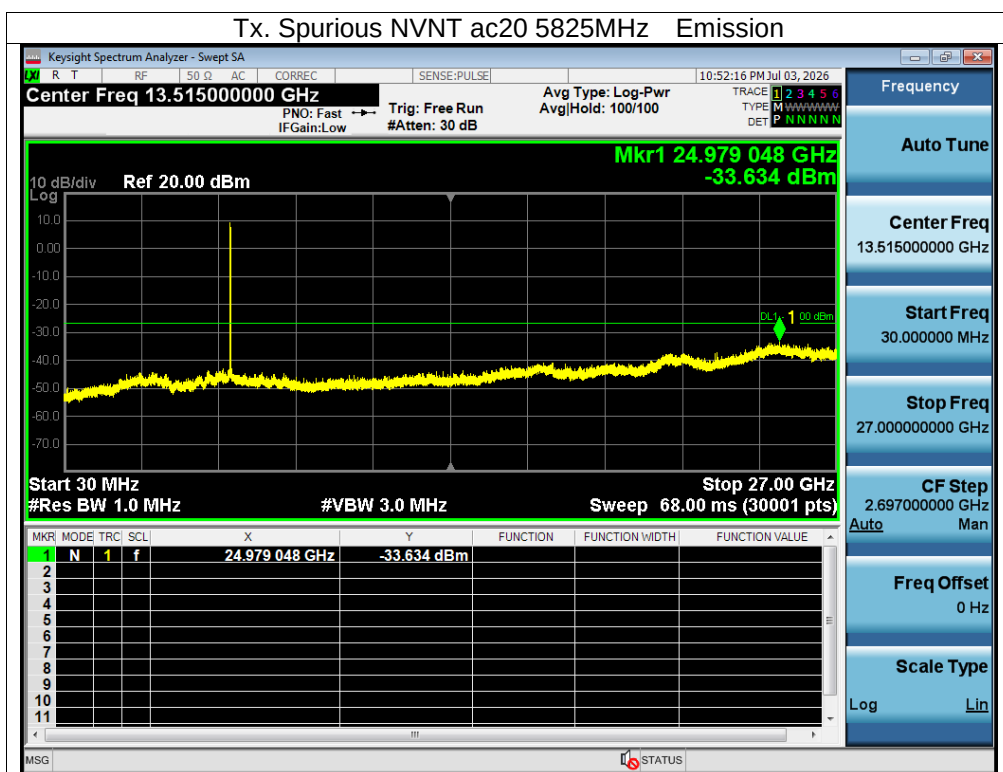


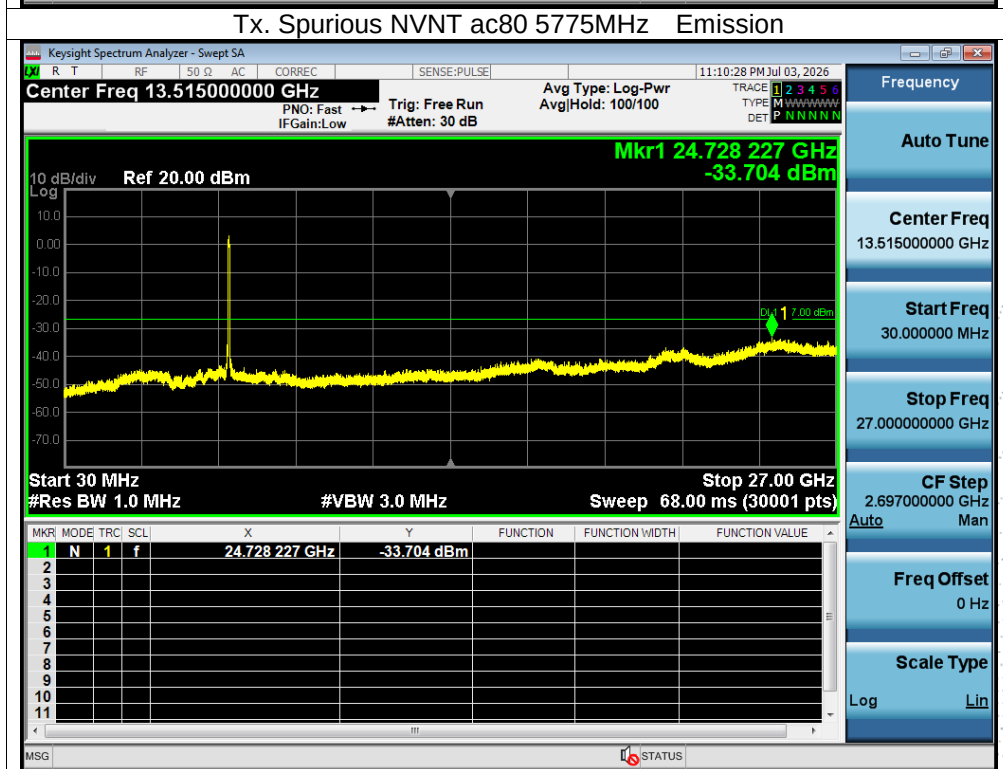
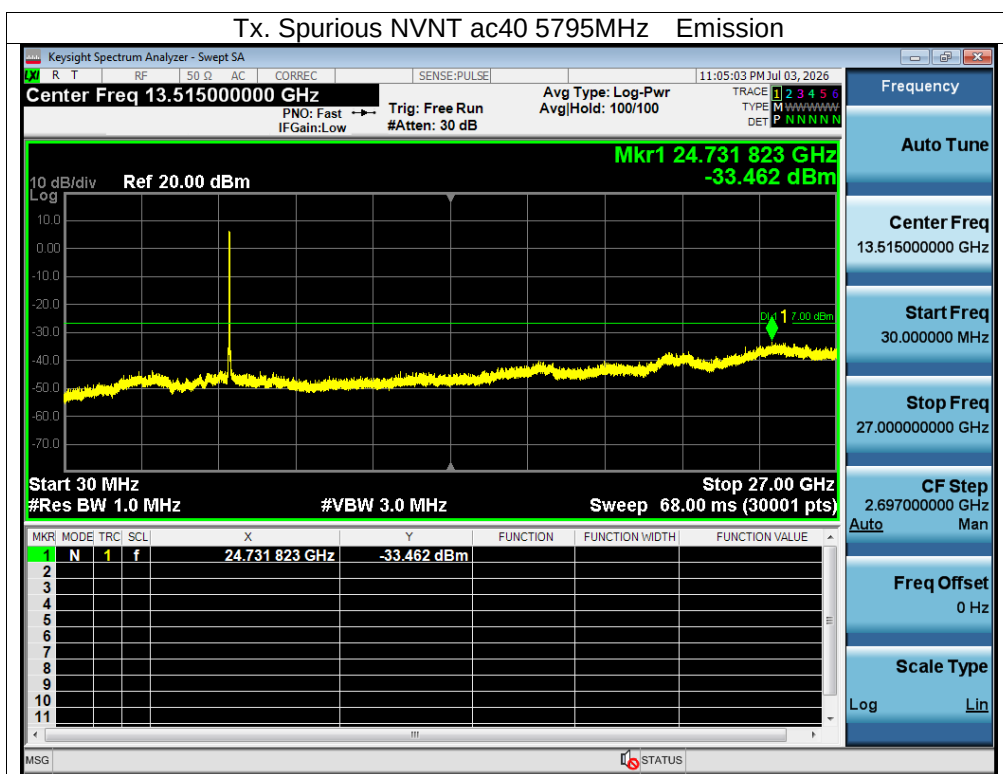


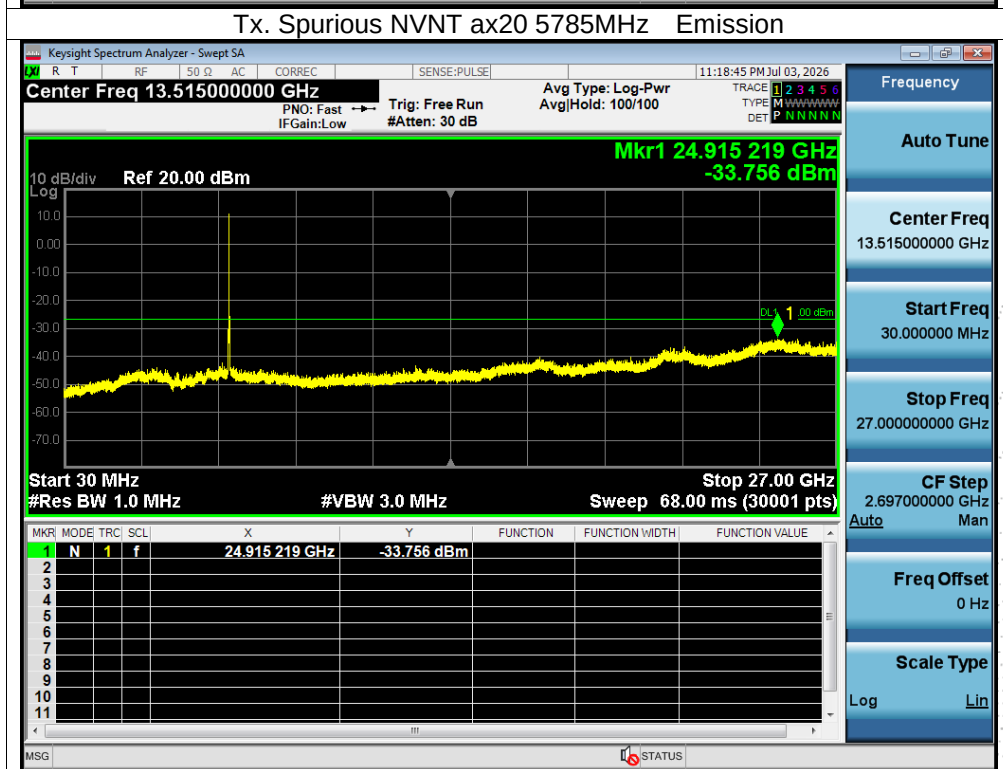
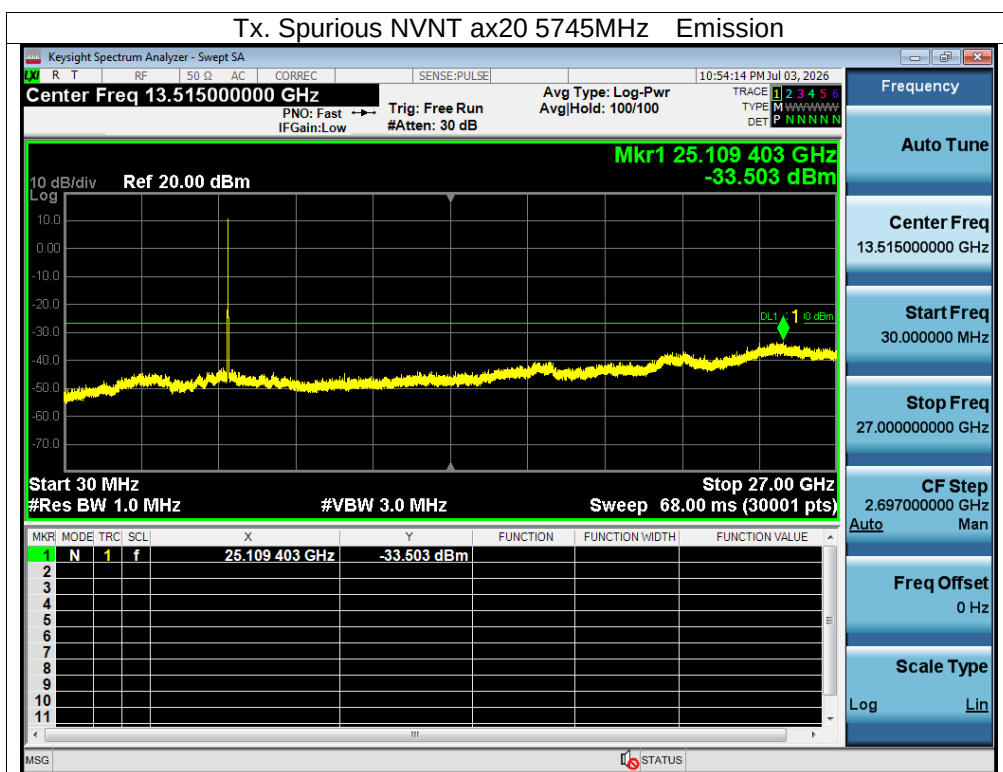


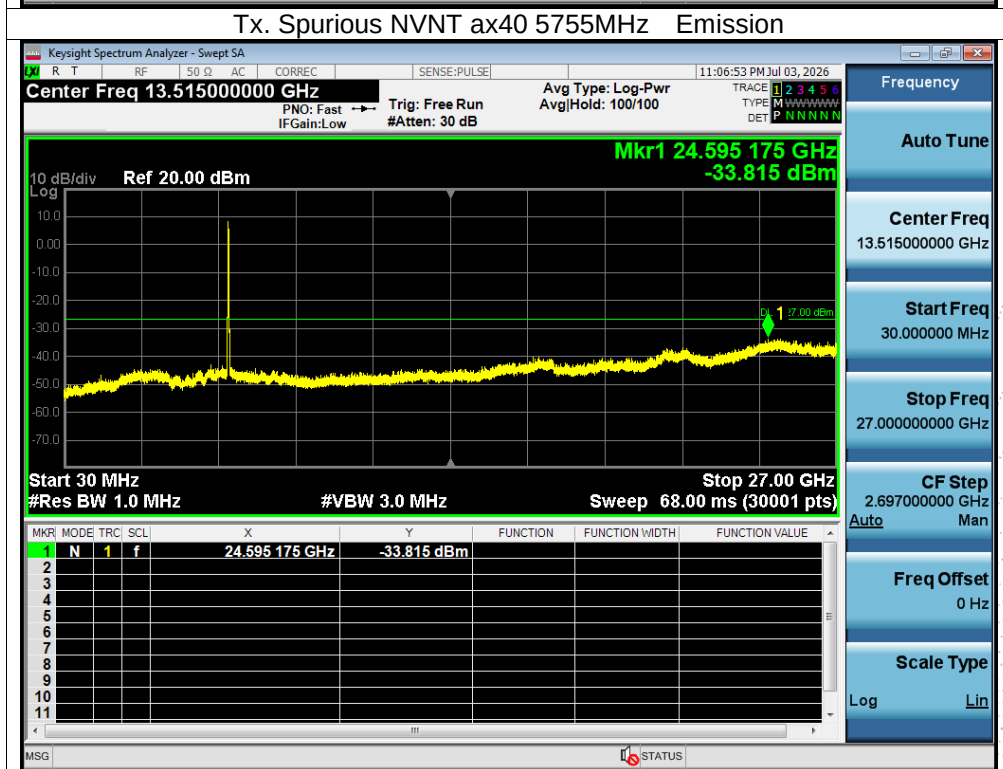
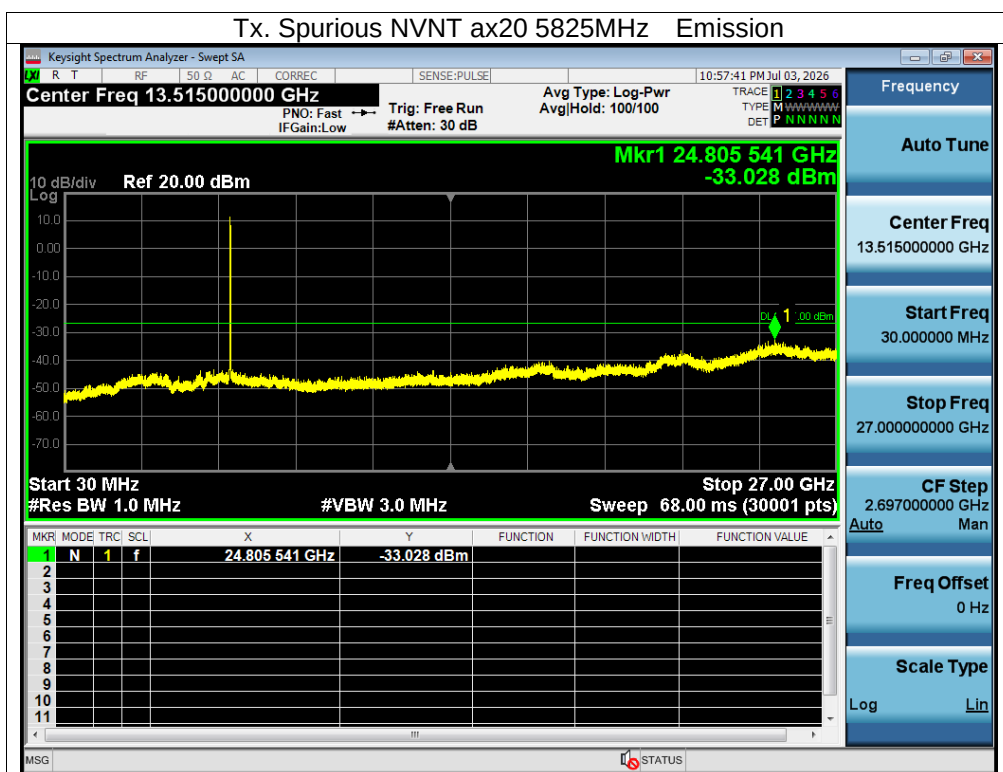


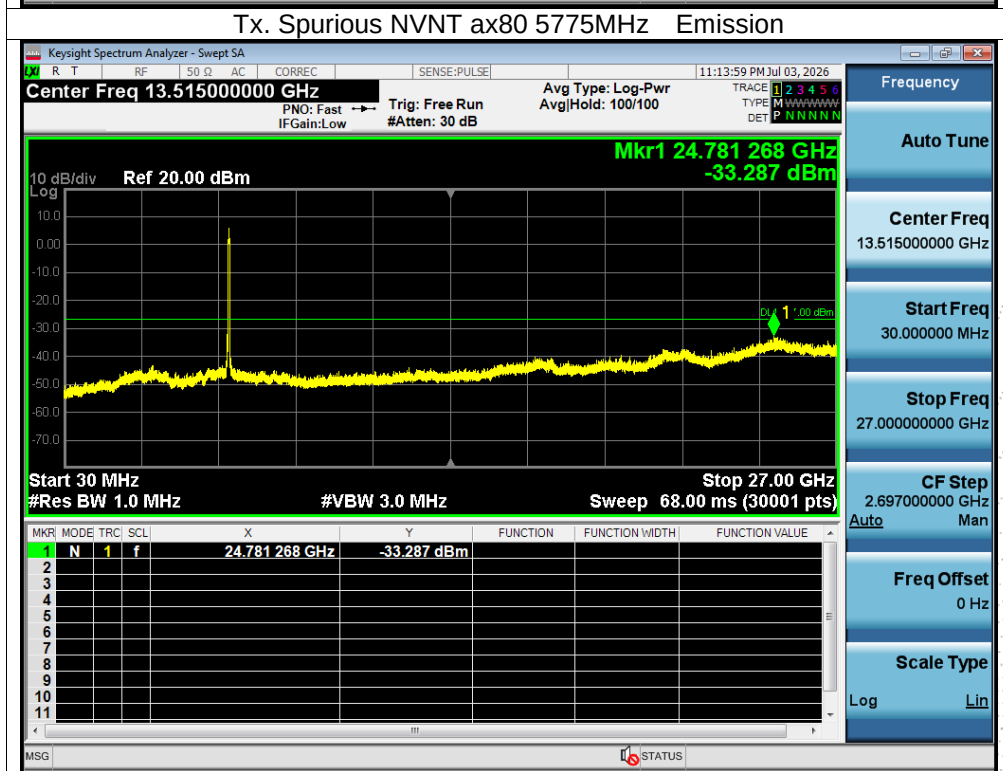
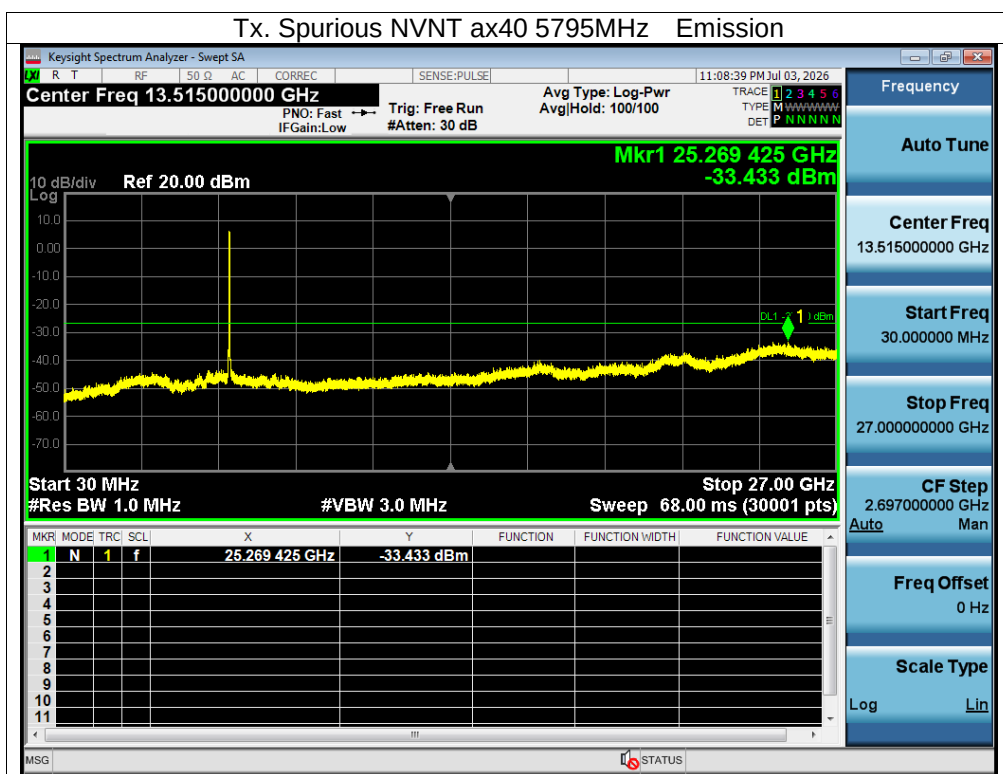


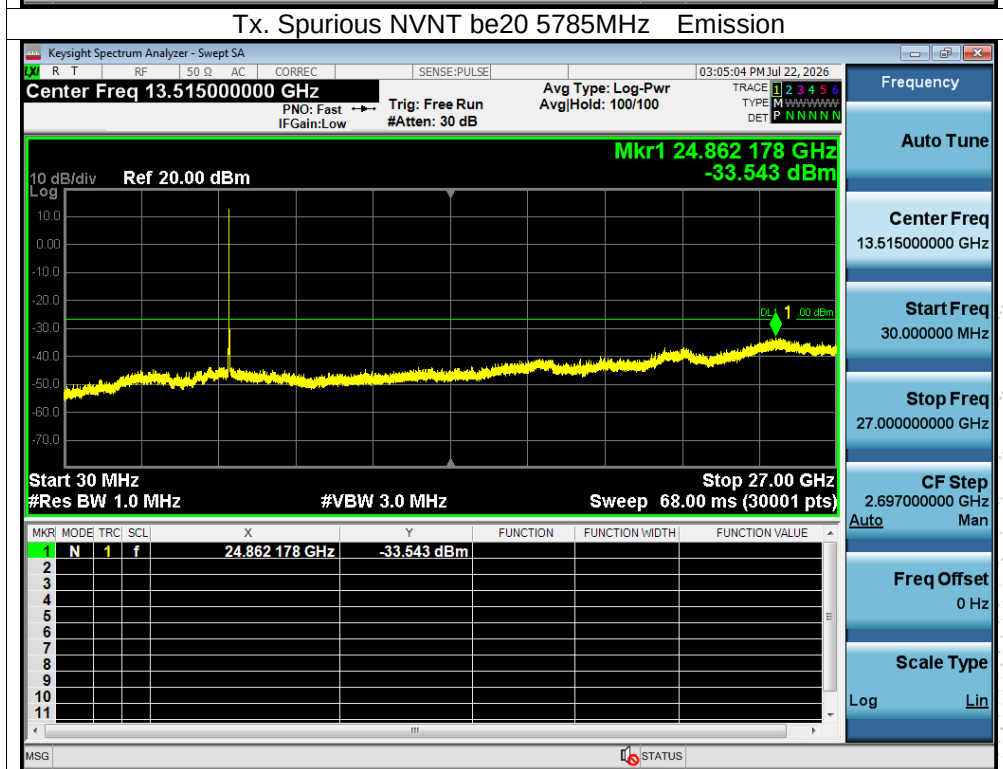
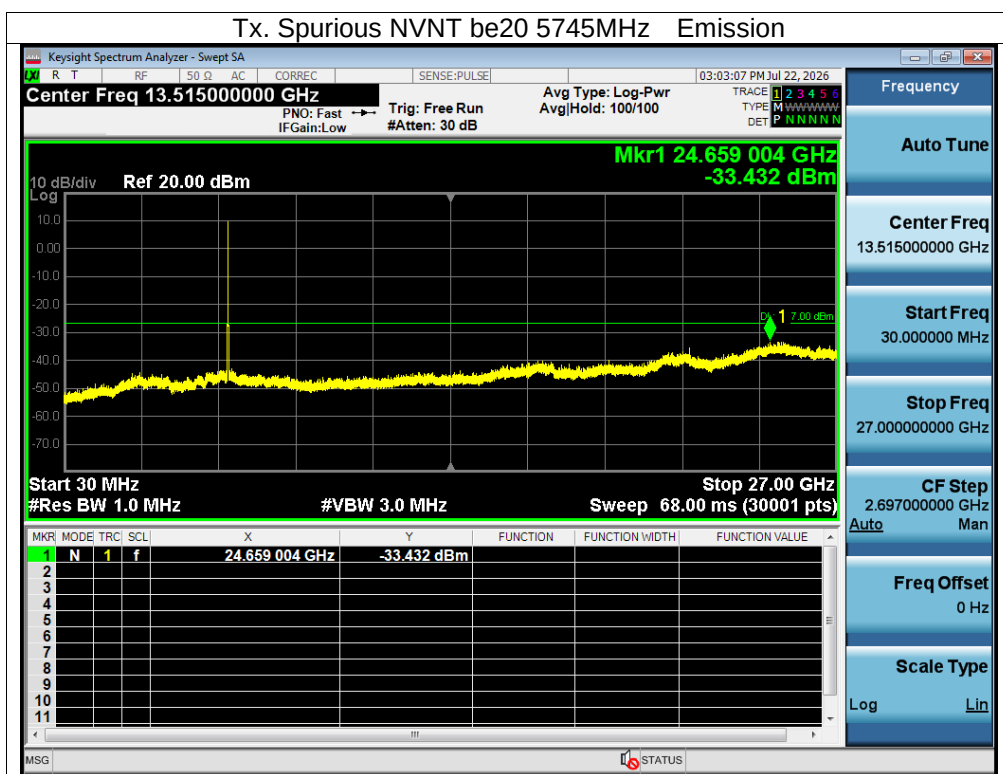


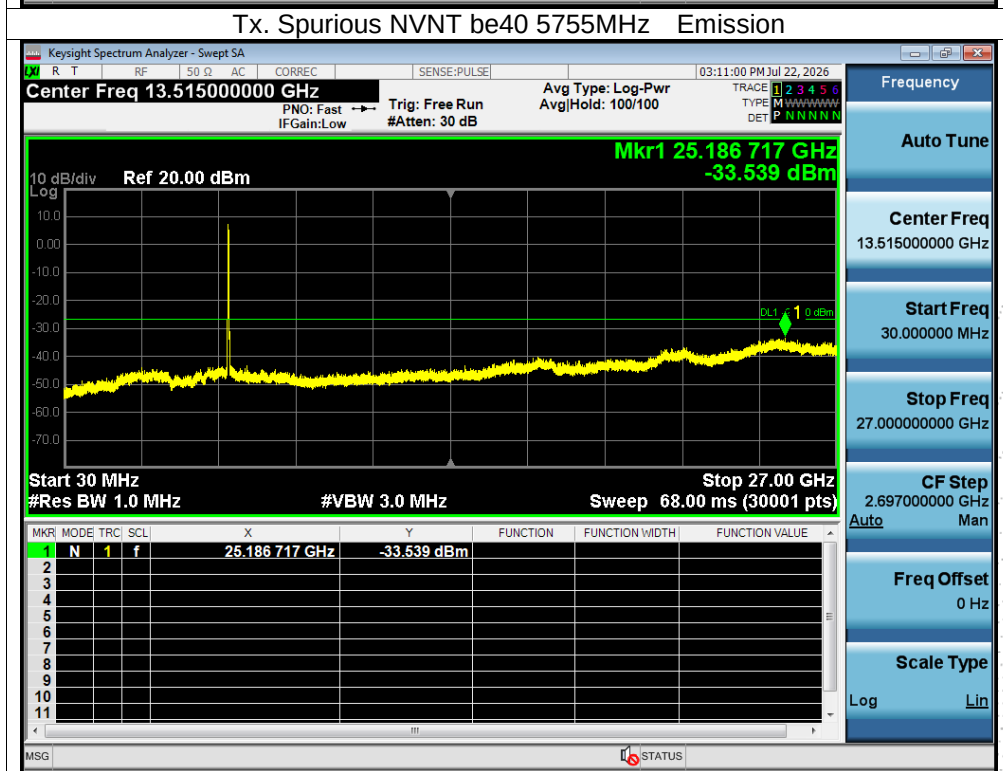
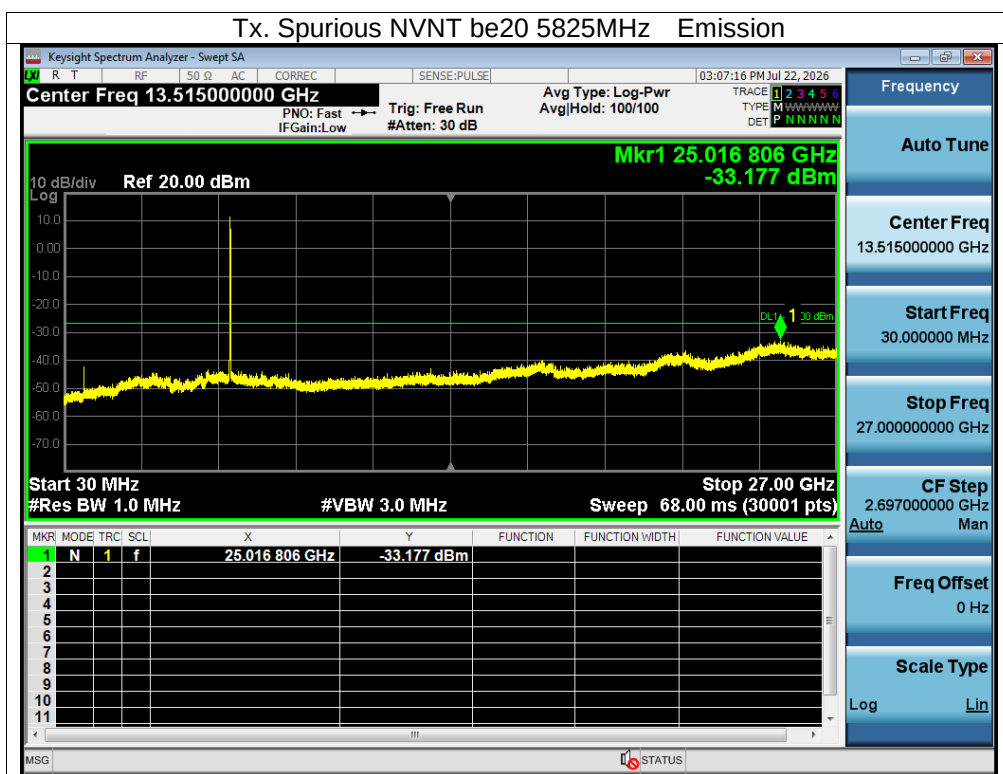


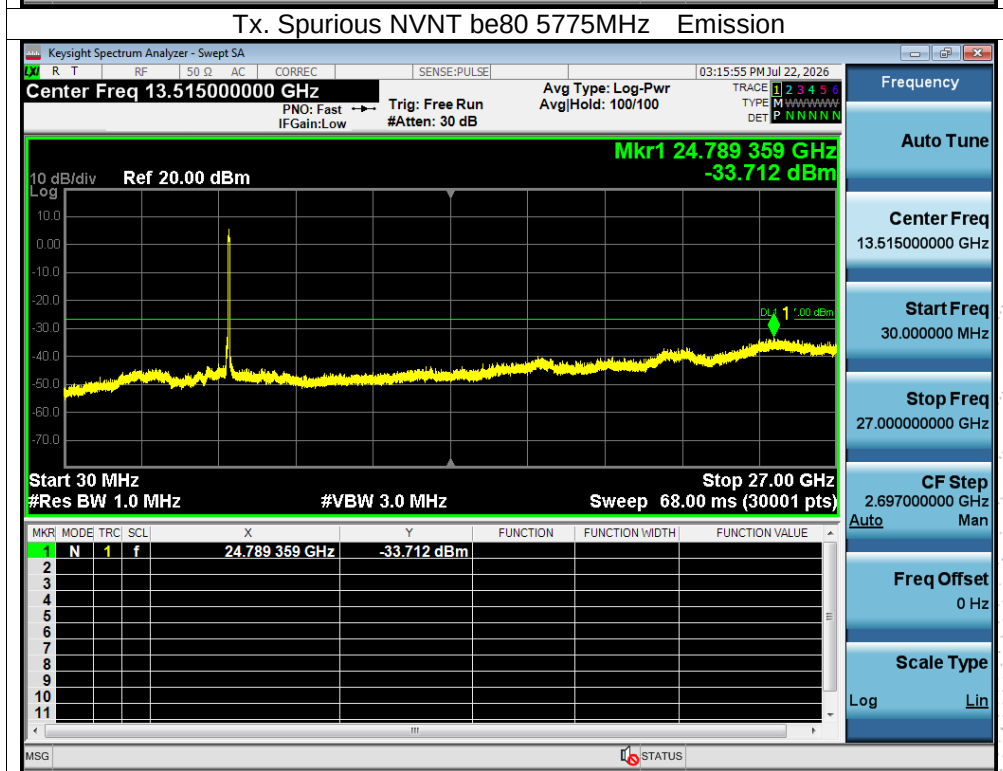
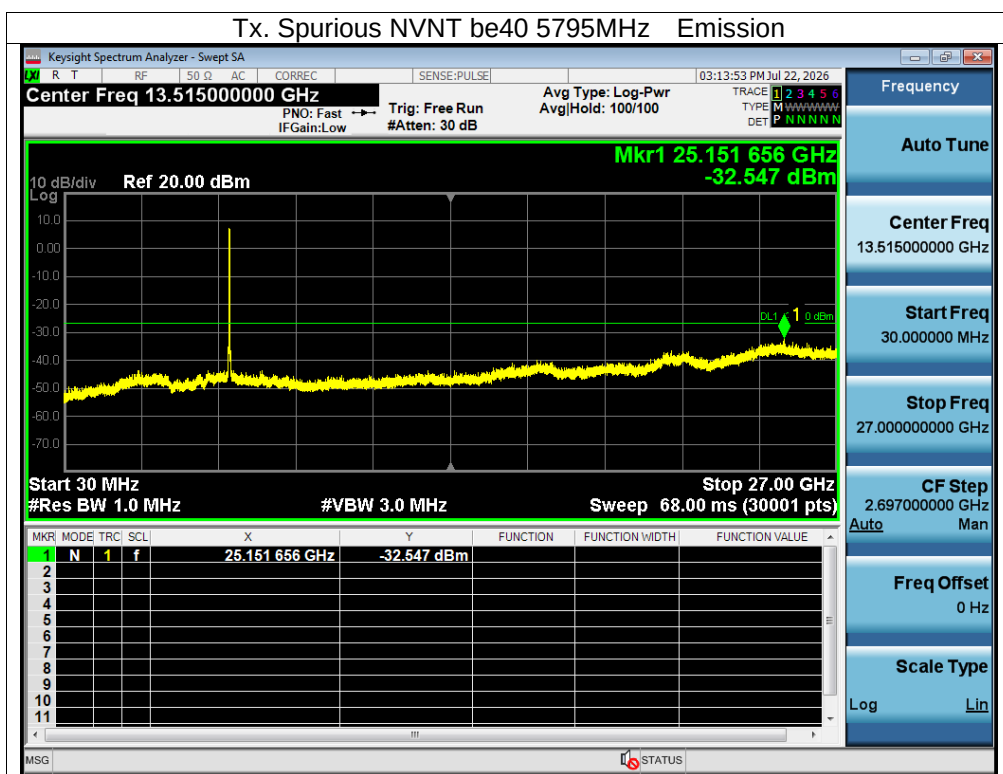






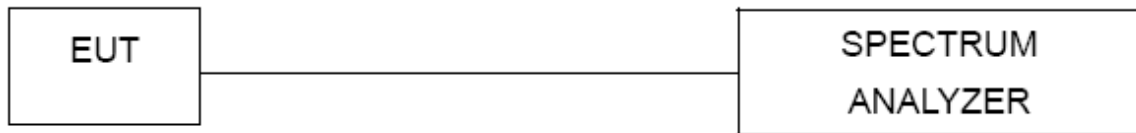






13. Frequency Stability Measurement

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 (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	5180.0051	5180	0.0051	0.9846
		V max (V)	138.00	5180.0092	5180	0.0092	1.7761
		V min (V)	102.00	5180.0001	5180	0.0001	0.0193
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

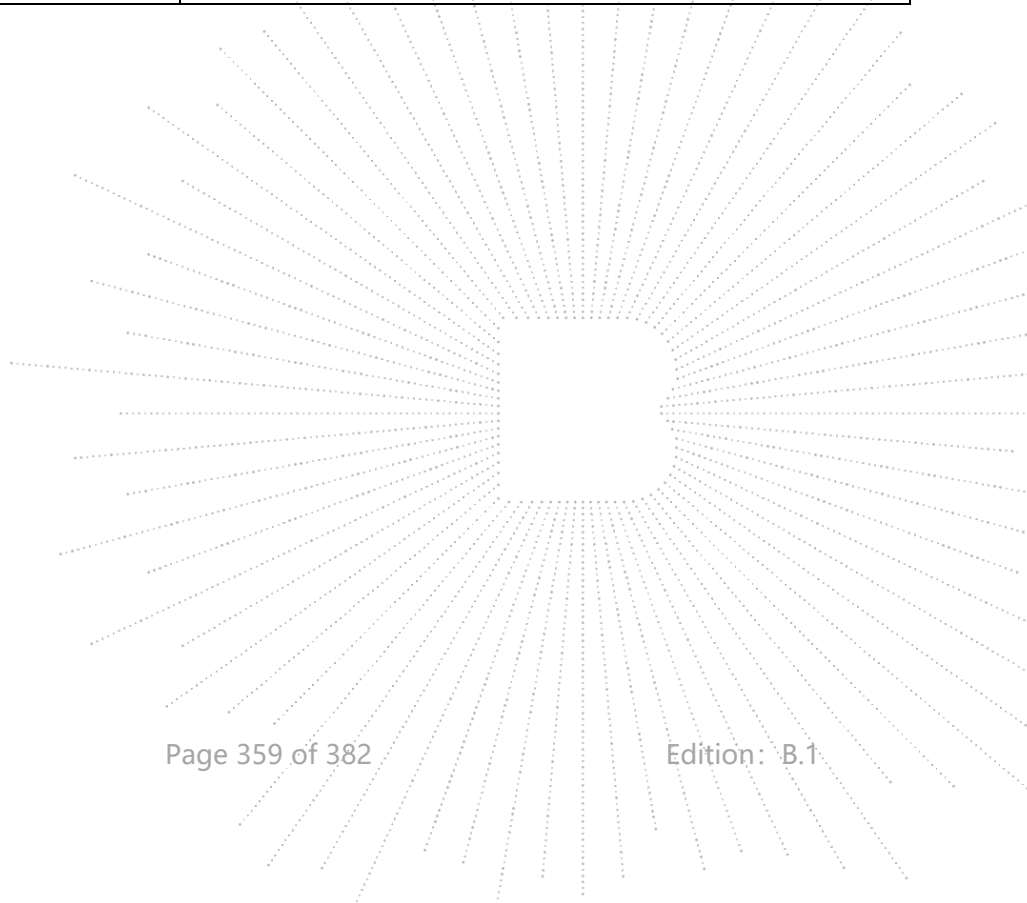
TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5180.0083	5180	0.0083	1.6023
		T (°C)	-10	5180.0118	5180	0.0118	2.2780
		T (°C)	0	5180.0036	5180	0.0036	0.6950
		T (°C)	10	5180.0001	5180	0.0001	0.0193
		T (°C)	20	5180.0037	5180	0.0037	0.7143
		T (°C)	30	5180.0123	5180	0.0123	2.3745
		T (°C)	40	5180.0088	5180	0.0088	1.6988
		T (°C)	50	5180.0020	5180	0.0020	0.3861
		T (°C)	60	5180.0074	5180	0.0074	1.4286
		T (°C)	70	5180.0111	5180	0.0111	2.1429
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	5200.0082	5200	0.0082	1.5769
		V max (V)	138.00	5200.0064	5200	0.0064	1.2308
		V min (V)	102.00	5200.0094	5200	0.0094	1.8077
Limits				5150-5250 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	5200.01100	5200	0.01100	2.1154
		T (°C)	-10	5200.00330	5200	0.00330	0.6346
		T (°C)	0	5200.00970	5200	0.00970	1.8654
		T (°C)	10	5200.00460	5200	0.00460	0.8846
		T (°C)	20	5200.00510	5200	0.00510	0.9808
		T (°C)	30	5200.00760	5200	0.00760	1.4615
		T (°C)	40	5200.00670	5200	0.00670	1.2885
		T (°C)	50	5200.00450	5200	0.00450	0.8654
		T (°C)	60	5200.01120	5200	0.01120	2.1538
		T (°C)	70	5200.01160	5200	0.01160	2.2308
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	5240.0076	5240	0.0076	1.4504
		V max (V)	138.00	5240.0114	5240	0.0114	2.1756
		V min (V)	102.00	5240.0117	5240	0.0117	2.2328
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	5240.0003	5240	0.0003	0.0573
		T (°C)	-10	5240.0040	5240	0.0040	0.7634
		T (°C)	0	5240.0076	5240	0.0076	1.4504
		T (°C)	10	5240.0022	5240	0.0022	0.4198
		T (°C)	20	5240.0019	5240	0.0019	0.3626
		T (°C)	30	5240.0073	5240	0.0073	1.3931
		T (°C)	40	5240.0096	5240	0.0096	1.8321
		T (°C)	50	5240.0108	5240	0.0108	2.0611
		T (°C)	60	5240.0119	5240	0.0119	2.2710
		T (°C)	70	5240.0109	5240	0.0109	2.0802
Limits				5150-5250 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/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	5260.0023	5260	0.0023	0.4373
		V max (V)	138.00	5260.0126	5260	0.0126	2.3954
		V min (V)	102.00	5260.0101	5260	0.0101	1.9202
Limits				5250-5350 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	5260.0031	5260	0.0031	0.5894
		T (°C)	-10	5260.0105	5260	0.0105	1.9962
		T (°C)	0	5260.0101	5260	0.0101	1.9202
		T (°C)	10	5260.0020	5260	0.0020	0.3802
		T (°C)	20	5260.0080	5260	0.0080	1.5209
		T (°C)	30	5260.0053	5260	0.0053	1.0076
		T (°C)	40	5260.0088	5260	0.0088	1.6730
		T (°C)	50	5260.0100	5260	0.0100	1.9011
		T (°C)	60	5260.0041	5260	0.0041	0.7795
		T (°C)	70	5260.0035	5260	0.0035	0.6654
Limits				5250-5350 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	5280.0096	5280	0.0096	1.8182
		V max (V)	138.00	5280.0025	5280	0.0025	0.4735
		V min (V)	102.00	5280.0015	5280	0.0015	0.2841
Limits				5250-5350 MHz			
Result				Complies			

Temperature vs. Frequency Stability

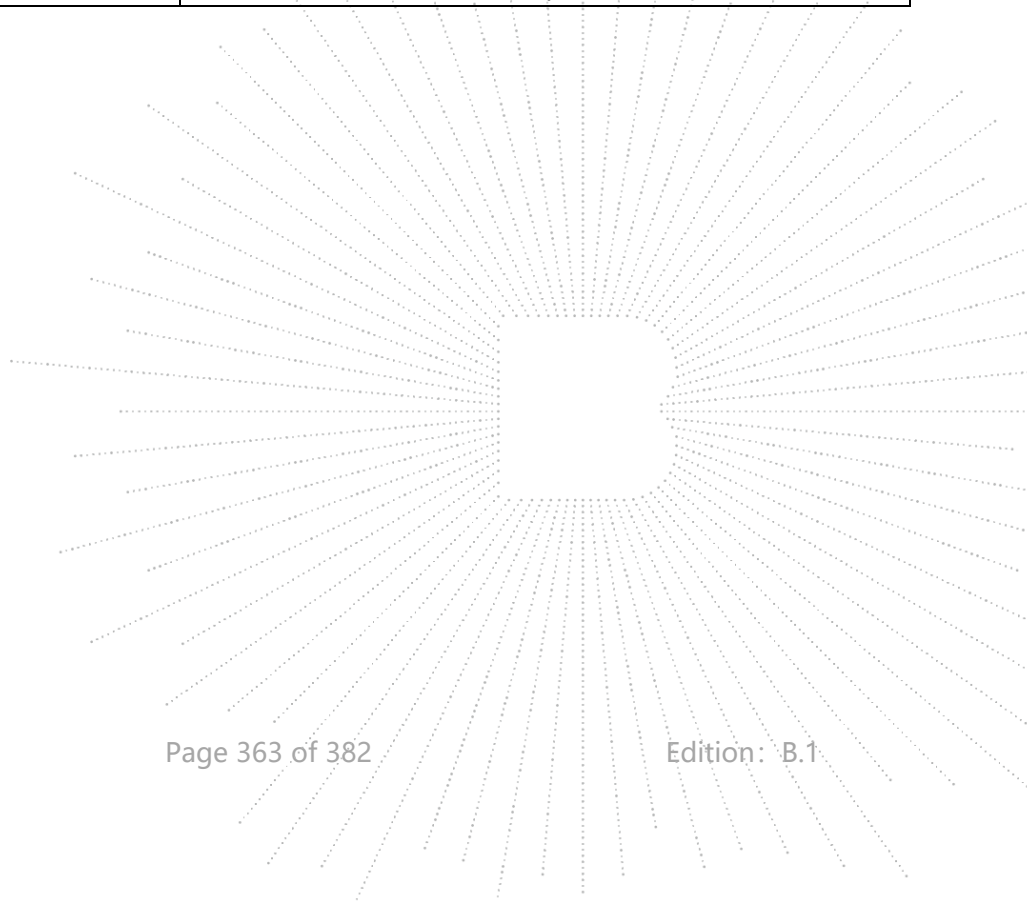
Temperature vs. Frequency Stability				Reference Frequency : 5280MHz			
TEST CONDITIONS				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5280.00470	5280	0.00470	0.8902
		T (°C)	-10	5280.00110	5280	0.00110	0.2083
		T (°C)	0	5280.01170	5280	0.01170	2.2159
		T (°C)	10	5280.01210	5280	0.01210	2.2917
		T (°C)	20	5280.00830	5280	0.00830	1.5720
		T (°C)	30	5280.00290	5280	0.00290	0.5492
		T (°C)	40	5280.00440	5280	0.00440	0.8333
		T (°C)	50	5280.01320	5280	0.01320	2.5000
		T (°C)	60	5280.00120	5280	0.00120	0.2273
		T (°C)	70	5280.01330	5280	0.01330	2.5189
Limits				5250-5350 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	5320.0027	5320	0.0027	0.5075
		V max (V)	138.00	5320.0053	5320	0.0053	0.9962
		V min (V)	102.00	5320.0088	5320	0.0088	1.6541
Limits				5250-5350 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	5320.0120	5320	0.0120	2.2556
		T (°C)	-10	5320.0123	5320	0.0123	2.3120
		T (°C)	0	5320.0122	5320	0.0122	2.2932
		T (°C)	10	5320.0135	5320	0.0135	2.5376
		T (°C)	20	5320.0038	5320	0.0038	0.7143
		T (°C)	30	5320.0093	5320	0.0093	1.7481
		T (°C)	40	5320.0075	5320	0.0075	1.4098
		T (°C)	50	5320.0005	5320	0.0005	0.0940
		T (°C)	60	5320.0114	5320	0.0114	2.1429
		T (°C)	70	5320.0092	5320	0.0092	1.7293
Limits				5250-5350 MHz			
Result				Complies			



Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/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	5500.0114	5500	0.0114	2.0727
		V max (V)	138.00	5500.0040	5500	0.0040	0.7273
		V min (V)	102.00	5500.0050	5500	0.0050	0.9091
Limits				5470-5720 MHz			
Result				Complies			

Temperature vs. Frequency Stability

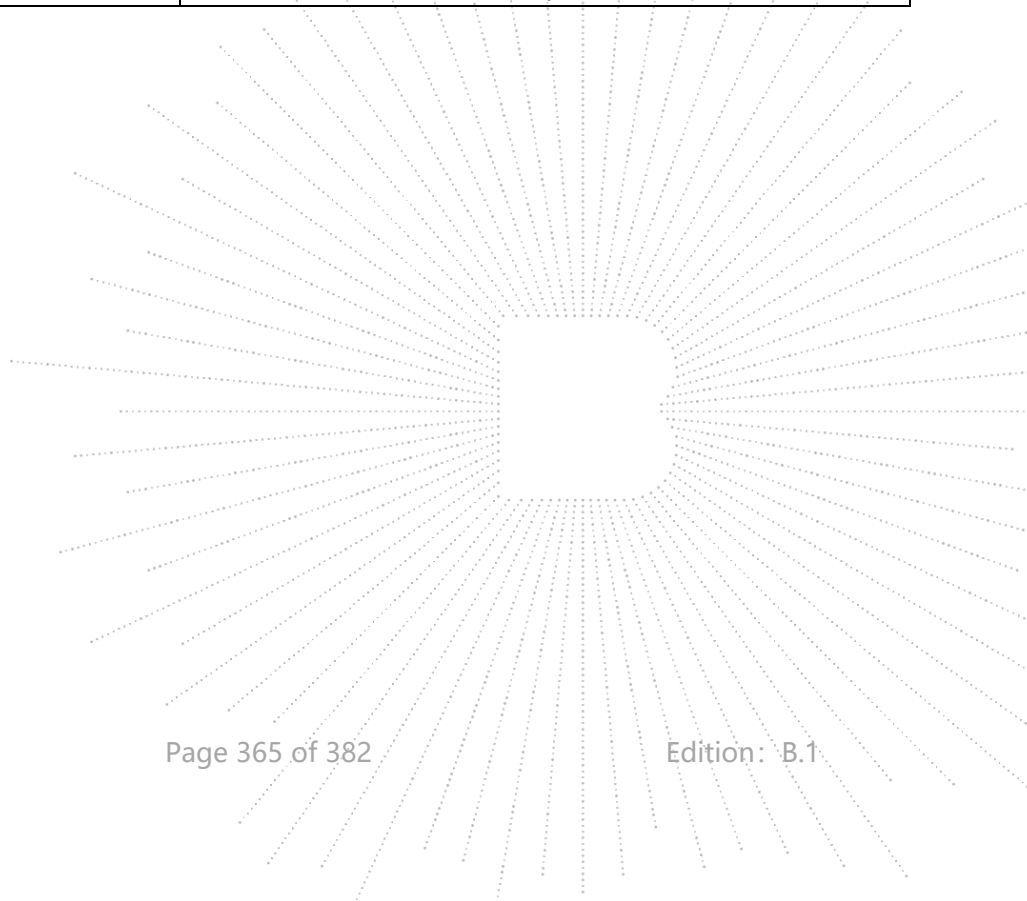
TEST CONDITIONS				Reference Frequency: 5500MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5500.0100	5500	0.0100	1.8182
		T (°C)	-10	5500.0123	5500	0.0123	2.2364
		T (°C)	0	5500.0096	5500	0.0096	1.7455
		T (°C)	10	5500.0022	5500	0.0022	0.4000
		T (°C)	20	5500.0011	5500	0.0011	0.2000
		T (°C)	30	5500.0133	5500	0.0133	2.4182
		T (°C)	40	5500.0077	5500	0.0077	1.4000
		T (°C)	50	5500.0088	5500	0.0088	1.6000
		T (°C)	60	5500.0048	5500	0.0048	0.8727
		T (°C)	70	5500.0102	5500	0.0102	1.8545
Limits				5470-5720 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	5580.0044	5580	0.0044	0.7885
		V max (V)	138.00	5580.0112	5580	0.0112	2.0072
		V min (V)	102.00	5580.0001	5580	0.0001	0.0179
Limits				5470-5720 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	5580.00530	5580	0.00530	0.9498
		T (°C)	-10	5580.00480	5580	0.00480	0.8602
		T (°C)	0	5580.00990	5580	0.00990	1.7742
		T (°C)	10	5580.00600	5580	0.00600	1.0753
		T (°C)	20	5580.00510	5580	0.00510	0.9140
		T (°C)	30	5580.00700	5580	0.00700	1.2545
		T (°C)	40	5580.00490	5580	0.00490	0.8781
		T (°C)	50	5580.00070	5580	0.00070	0.1254
		T (°C)	60	5580.00270	5580	0.00270	0.4839
		T (°C)	70	5580.00450	5580	0.00450	0.8065
Limits				5470-5720 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	5700.0025	5700	0.0025	0.4386
		V max (V)	138.00	5700.0103	5700	0.0103	1.8070
		V min (V)	102.00	5700.0021	5700	0.0021	0.3684
Limits				5470-5720 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	5700.0125	5700	0.0125	2.1930
		T (°C)	-10	5700.0050	5700	0.0050	0.8772
		T (°C)	0	5700.0101	5700	0.0101	1.7719
		T (°C)	10	5700.0124	5700	0.0124	2.1754
		T (°C)	20	5700.0112	5700	0.0112	1.9649
		T (°C)	30	5700.0064	5700	0.0064	1.1228
		T (°C)	40	5700.0046	5700	0.0046	0.8070
		T (°C)	50	5700.0079	5700	0.0079	1.3860
		T (°C)	60	5700.0041	5700	0.0041	0.7193
		T (°C)	70	5700.0037	5700	0.0037	0.6491
Limits				5470-5720 MHz			
Result				Complies			

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	TX (5.8G) Mode Frequency U-NII-3 (5745-5825MHz)		

Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5745.00940	5745	0.00940	1.6362
		V max (V)	138.00	5745.00760	5745	0.00760	1.3229
		V min (V)	102.00	5745.00920	5745	0.00920	1.6014
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

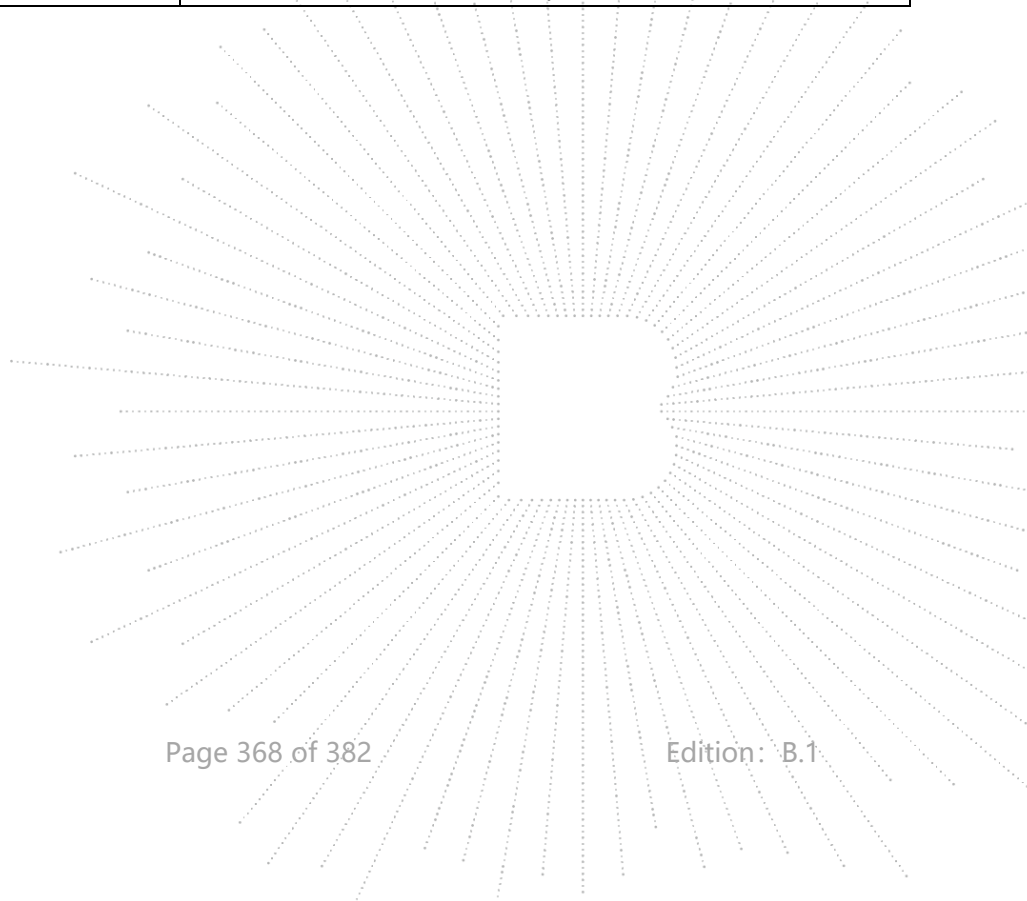
TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5745.00000	5745	0.00000	0.0000
		T (°C)	-10	5745.01060	5745	0.01060	1.8451
		T (°C)	0	5745.00030	5745	0.00030	0.0522
		T (°C)	10	5745.00870	5745	0.00870	1.5144
		T (°C)	20	5745.00680	5745	0.00680	1.1836
		T (°C)	30	5745.00700	5745	0.00700	1.2185
		T (°C)	40	5745.01080	5745	0.01080	1.8799
		T (°C)	50	5745.00040	5745	0.00040	0.0696
		T (°C)	60	5745.01060	5745	0.01060	1.8451
		T (°C)	70	5745.00240	5745	0.00240	0.4178
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	5785.00660	5785	0.00660	1.1409
		V max (V)	138.00	5785.00140	5785	0.00140	0.2420
		V min (V)	102.00	5785.00740	5785	0.00740	1.2792
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	5785.00830	5785	0.00830	1.4347
		T (°C)	-10	5785.00480	5785	0.00480	0.8297
		T (°C)	0	5785.01240	5785	0.01240	2.1435
		T (°C)	10	5785.00550	5785	0.00550	0.9507
		T (°C)	20	5785.00170	5785	0.00170	0.2939
		T (°C)	30	5785.01270	5785	0.01270	2.1953
		T (°C)	40	5785.01320	5785	0.01320	2.2818
		T (°C)	50	5785.00340	5785	0.00340	0.5877
		T (°C)	60	5785.00120	5785	0.00120	0.2074
		T (°C)	70	5785.00850	5785	0.00850	1.4693
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	5825.01300	5825	0.01300	2.2318
		V max (V)	138.00	5825.00840	5825	0.00840	1.4421
		V min (V)	102.00	5825.01260	5825	0.01260	2.1631
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	5825.01050	5825	0.01050	1.8026
		T (°C)	-10	5825.00370	5825	0.00370	0.6352
		T (°C)	0	5825.00220	5825	0.00220	0.3777
		T (°C)	10	5825.00150	5825	0.00150	0.2575
		T (°C)	20	5825.00570	5825	0.00570	0.9785
		T (°C)	30	5825.00150	5825	0.00150	0.2575
		T (°C)	40	5825.00440	5825	0.00440	0.7554
		T (°C)	50	5825.00730	5825	0.00730	1.2532
		T (°C)	60	5825.00390	5825	0.00390	0.6695
		T (°C)	70	5825.01160	5825	0.01160	1.9914
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

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	76.45	1.17	0.72
NVNT	a	5200	76.4	1.17	0.72
NVNT	a	5240	76.45	1.17	0.72
NVNT	n20	5180	75.26	1.23	0.76
NVNT	n20	5200	75.26	1.23	0.76
NVNT	n20	5240	75.32	1.23	0.76
NVNT	n40	5190	81.06	0.91	0.54
NVNT	n40	5230	81.1	0.91	0.54
NVNT	ac20	5180	61.26	2.13	1.47
NVNT	ac20	5200	61.26	2.13	1.47
NVNT	ac20	5240	61.26	2.13	1.47
NVNT	ac40	5190	68.8	1.62	1.05
NVNT	ac40	5230	68.87	1.62	1.05
NVNT	ac80	5210	51.8	2.86	2.17
NVNT	ax20	5180	77.6	1.1	0.67
NVNT	ax20	5200	77.65	1.1	0.67
NVNT	ax20	5240	77.65	1.1	0.67
NVNT	ax40	5190	64.72	1.89	1.27
NVNT	ax40	5230	64.72	1.89	1.27
NVNT	ax80	5210	49.35	3.07	2.39
NVNT	be20	5180	60.5	2.18	1.52
NVNT	be20	5200	60.5	2.18	1.52
NVNT	be20	5240	60.5	2.18	1.52
NVNT	be40	5190	46.77	3.3	2.65
NVNT	be40	5230	46.9	3.29	2.65
NVNT	be80	5210	34.8	4.58	4.37

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	76.45	1.17	0.72
NVNT	a	5200	76.4	1.17	0.72
NVNT	a	5240	76.4	1.17	0.72
NVNT	n20	5180	75.26	1.23	0.76
NVNT	n20	5200	75.32	1.23	0.76
NVNT	n20	5240	75.26	1.23	0.76
NVNT	n40	5190	81.06	0.91	0.54
NVNT	n40	5230	81.1	0.91	0.54
NVNT	ac20	5180	61.26	2.13	1.47
NVNT	ac20	5200	61.26	2.13	1.47
NVNT	ac20	5240	61.26	2.13	1.47
NVNT	ac40	5190	68.8	1.62	1.05
NVNT	ac40	5230	68.8	1.62	1.05
NVNT	ac80	5210	51.8	2.86	2.17
NVNT	ax20	5180	77.65	1.1	0.67
NVNT	ax20	5200	77.65	1.1	0.67
NVNT	ax20	5240	77.66	1.1	0.67
NVNT	ax40	5190	64.72	1.89	1.27
NVNT	ax40	5230	64.72	1.89	1.27
NVNT	ax80	5210	49.47	3.06	2.38
NVNT	be20	5180	60.5	2.18	1.52
NVNT	be20	5200	60.5	2.18	1.52
NVNT	be20	5240	60.5	2.18	1.52
NVNT	be40	5190	45.24	3.44	2.77
NVNT	be40	5230	45.24	3.44	2.77
NVNT	be80	5210	34.95	4.57	4.35

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	82.48	0.84	0.49
NVNT	a	5280	82.48	0.84	0.49
NVNT	a	5320	82.48	0.84	0.49
NVNT	n20	5260	89.81	0.47	0.26
NVNT	n20	5280	89.81	0.47	0.26
NVNT	n20	5320	89.79	0.47	0.26
NVNT	n40	5270	81.1	0.91	0.54
NVNT	n40	5310	81.06	0.91	0.54
NVNT	ac20	5260	81.67	0.88	0.52
NVNT	ac20	5280	81.67	0.88	0.52
NVNT	ac20	5320	81.67	0.88	0.52
NVNT	ac40	5270	68.8	1.62	1.05
NVNT	ac40	5310	68.8	1.62	1.05
NVNT	ac80	5290	51.8	2.86	2.17
NVNT	ax20	5260	77.65	1.1	0.67
NVNT	ax20	5280	77.6	1.1	0.67
NVNT	ax20	5320	77.65	1.1	0.67
NVNT	ax40	5270	64.72	1.89	1.27
NVNT	ax40	5310	64.72	1.89	1.27
NVNT	ax80	5290	49.35	3.07	2.39
NVNT	be20	5260	60.5	2.18	1.52
NVNT	be20	5280	60.5	2.18	1.52
NVNT	be20	5320	60.41	2.19	1.52
NVNT	be40	5270	46.77	3.3	2.65
NVNT	be40	5310	46.77	3.3	2.65
NVNT	be80	5290	34.9	4.57	4.35

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	82.52	0.83	0.49
NVNT	a	5280	82.48	0.84	0.49
NVNT	a	5320	82.48	0.84	0.49
NVNT	n20	5260	89.79	0.47	0.26
NVNT	n20	5280	89.79	0.47	0.26
NVNT	n20	5320	89.79	0.47	0.26
NVNT	n40	5270	81.06	0.91	0.54
NVNT	n40	5310	81.06	0.91	0.54
NVNT	ac20	5260	81.67	0.88	0.52
NVNT	ac20	5280	81.67	0.88	0.52
NVNT	ac20	5320	81.71	0.88	0.52
NVNT	ac40	5270	68.8	1.62	1.05
NVNT	ac40	5310	68.87	1.62	1.05
NVNT	ac80	5290	51.69	2.87	2.17
NVNT	ax20	5260	77.65	1.1	0.67
NVNT	ax20	5280	77.65	1.1	0.67
NVNT	ax20	5320	77.65	1.1	0.67
NVNT	ax40	5270	64.72	1.89	1.27
NVNT	ax40	5310	64.72	1.89	1.27
NVNT	ax80	5290	49.47	3.06	2.38
NVNT	be20	5260	60.5	2.18	1.52
NVNT	be20	5280	60.5	2.18	1.52
NVNT	be20	5320	60.5	2.18	1.52
NVNT	be40	5270	46.9	3.29	2.65
NVNT	be40	5310	45.24	3.44	2.77
NVNT	be80	5290	34.95	4.57	4.35

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	82.48	0.84	0.49
NVNT	a	5580	82.48	0.84	0.49
NVNT	a	5700	82.48	0.84	0.49
NVNT	n20	5500	89.79	0.47	0.26
NVNT	n20	5580	89.79	0.47	0.26
NVNT	n20	5700	89.81	0.47	0.26
NVNT	n40	5510	81.06	0.91	0.54
NVNT	n40	5550	81.06	0.91	0.54
NVNT	n40	5670	81.1	0.91	0.54
NVNT	ac20	5500	81.67	0.88	0.52
NVNT	ac20	5580	81.67	0.88	0.52
NVNT	ac20	5700	81.71	0.88	0.52
NVNT	ac40	5510	68.8	1.62	1.05
NVNT	ac40	5550	68.82	1.62	1.05
NVNT	ac40	5670	68.8	1.62	1.05
NVNT	ac80	5530	51.8	2.86	2.17
NVNT	ax20	5500	77.65	1.1	0.67
NVNT	ax20	5580	77.65	1.1	0.67
NVNT	ax20	5700	77.65	1.1	0.67
NVNT	ax40	5510	64.72	1.89	1.27
NVNT	ax40	5550	64.64	1.89	1.27
NVNT	ax40	5670	64.72	1.89	1.27
NVNT	ax80	5530	49.47	3.06	2.38
NVNT	be20	5500	60.5	2.18	1.52
NVNT	be20	5580	60.5	2.18	1.52
NVNT	be20	5700	60.41	2.19	1.52
NVNT	be40	5510	46.9	3.29	2.65
NVNT	be40	5550	46.83	3.29	2.65
NVNT	be40	5670	46.5	3.33	2.69
NVNT	be80	5530	34.95	4.57	4.35

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	82.52	0.83	0.49
NVNT	a	5580	82.52	0.83	0.49
NVNT	a	5700	82.48	0.84	0.49
NVNT	n20	5500	89.79	0.47	0.26
NVNT	n20	5580	89.79	0.47	0.26
NVNT	n20	5700	89.81	0.47	0.26
NVNT	n40	5510	81.1	0.91	0.54
NVNT	n40	5550	81.06	0.91	0.54
NVNT	n40	5670	81.1	0.91	0.54
NVNT	ac20	5500	81.71	0.88	0.52
NVNT	ac20	5580	81.67	0.88	0.52
NVNT	ac20	5700	81.71	0.88	0.52
NVNT	ac40	5510	68.87	1.62	1.05
NVNT	ac40	5550	68.8	1.62	1.05
NVNT	ac40	5670	68.8	1.62	1.05
NVNT	ac80	5530	51.69	2.87	2.17
NVNT	ax20	5500	77.65	1.1	0.67
NVNT	ax20	5580	77.7	1.1	0.67
NVNT	ax20	5700	77.65	1.1	0.67
NVNT	ax40	5510	64.72	1.89	1.27
NVNT	ax40	5550	64.64	1.89	1.27
NVNT	ax40	5670	64.72	1.89	1.27
NVNT	ax80	5530	49.47	3.06	2.38
NVNT	be20	5500	60.5	2.18	1.52
NVNT	be20	5580	60.5	2.18	1.52
NVNT	be20	5700	60.5	2.18	1.52
NVNT	be40	5510	46.9	3.29	2.65
NVNT	be40	5550	46.77	3.3	2.65
NVNT	be40	5670	45.24	3.44	2.77
NVNT	be80	5530	32.77	4.85	4.69

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	82.52	0.83	0.49
NVNT	a	5785	82.52	0.83	0.49
NVNT	a	5825	82.52	0.83	0.49
NVNT	n20	5745	89.81	0.47	0.26
NVNT	n20	5785	89.79	0.47	0.26
NVNT	n20	5825	89.81	0.47	0.26
NVNT	n40	5755	81.1	0.91	0.54
NVNT	n40	5795	81.1	0.91	0.54
NVNT	ac20	5745	81.67	0.88	0.52
NVNT	ac20	5785	88.63	0.52	0.52
NVNT	ac20	5825	81.71	0.88	0.52
NVNT	ac40	5755	68.87	1.62	1.05
NVNT	ac40	5795	68.8	1.62	1.05
NVNT	ac80	5775	51.69	2.87	2.17
NVNT	ax20	5745	77.66	1.1	0.67
NVNT	ax20	5785	77.65	1.1	0.67
NVNT	ax20	5825	77.65	1.1	0.67
NVNT	ax40	5755	64.72	1.89	1.27
NVNT	ax40	5795	64.64	1.89	1.27
NVNT	ax80	5775	49.47	3.06	2.38
NVNT	be20	5745	60.5	2.18	1.52
NVNT	be20	5785	60.5	2.18	1.52
NVNT	be20	5825	60.5	2.18	1.52
NVNT	be40	5755	46.77	3.3	2.65
NVNT	be40	5795	46.77	3.3	2.65
NVNT	be80	5775	34.95	4.57	4.35

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	82.52	0.83	0.49
NVNT	a	5785	82.48	0.84	0.49
NVNT	a	5825	82.52	0.83	0.49
NVNT	n20	5745	89.81	0.47	0.26
NVNT	n20	5785	89.81	0.47	0.26
NVNT	n20	5825	89.81	0.47	0.26
NVNT	n40	5755	81.06	0.91	0.54
NVNT	n40	5795	81.1	0.91	0.54
NVNT	ac20	5745	81.67	0.88	0.52
NVNT	ac20	5785	81.71	0.88	0.52
NVNT	ac20	5825	81.67	0.88	0.52
NVNT	ac40	5755	68.8	1.62	1.05
NVNT	ac40	5795	68.8	1.62	1.05
NVNT	ac80	5775	51.69	2.87	2.17
NVNT	ax20	5745	77.65	1.1	0.67
NVNT	ax20	5785	77.65	1.1	0.67
NVNT	ax20	5825	77.65	1.1	0.67
NVNT	ax40	5755	64.72	1.89	1.27
NVNT	ax40	5795	64.72	1.89	1.27
NVNT	ax80	5775	49.35	3.07	2.39
NVNT	be20	5745	60.41	2.19	1.52
NVNT	be20	5785	60.5	2.18	1.52
NVNT	be20	5825	60.5	2.18	1.52
NVNT	be40	5755	45.24	3.44	2.77
NVNT	be40	5795	46.9	3.29	2.65
NVNT	be80	5775	32.62	4.87	4.72

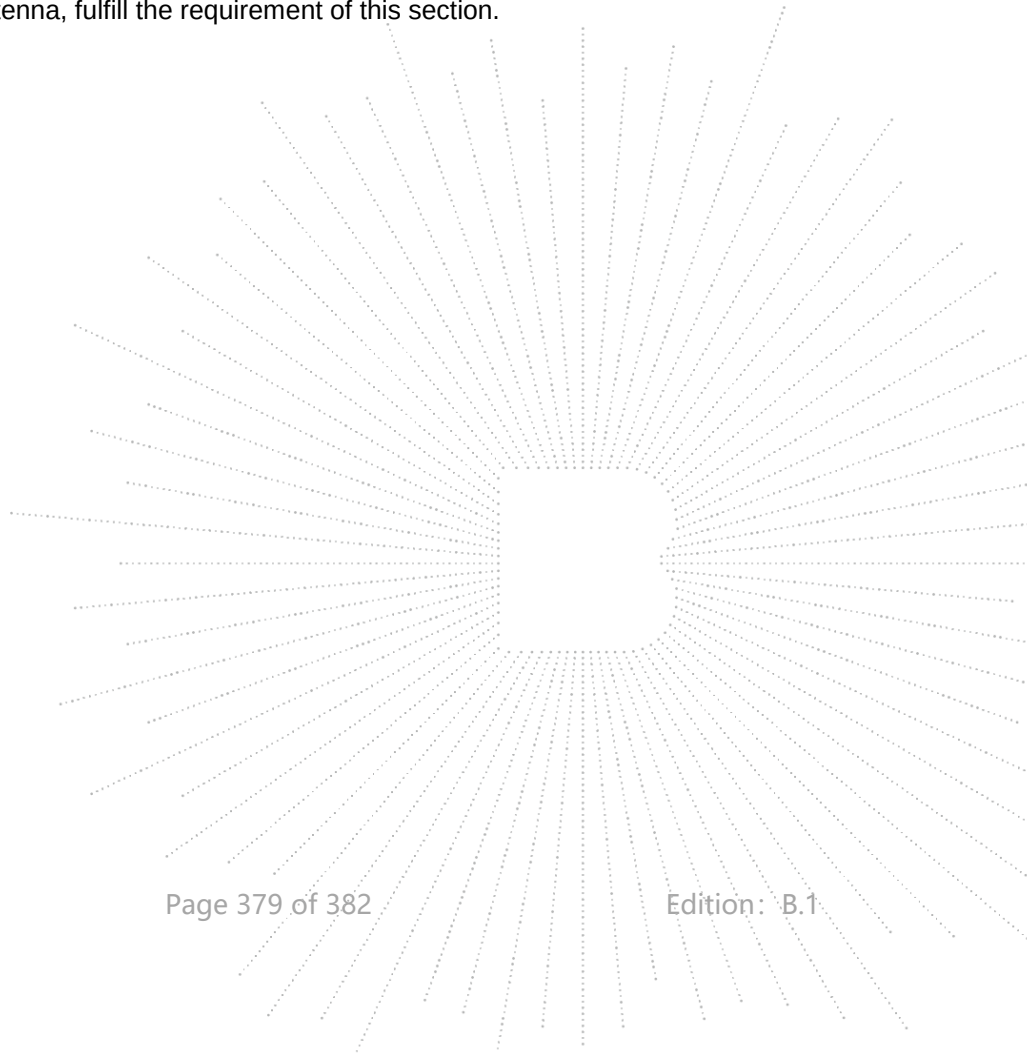
15. Antenna Requirement

15.1 Limit

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

15.2 Test Result

The EUT antenna is External antenna, fulfill the requirement of this section.

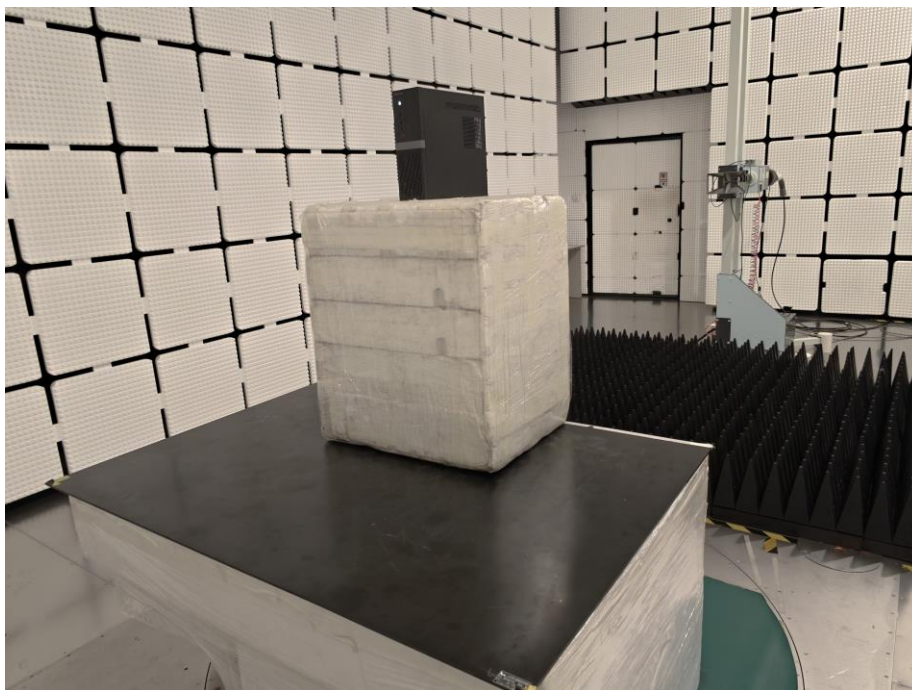


16. EUT Test Setup Photographs

Conducted Emissions Photo



Radiated Measurement Photos



STATEMENT

1. The equipment lists are traceable to the International System of Units (SI)
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 the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC 17025:2017.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****