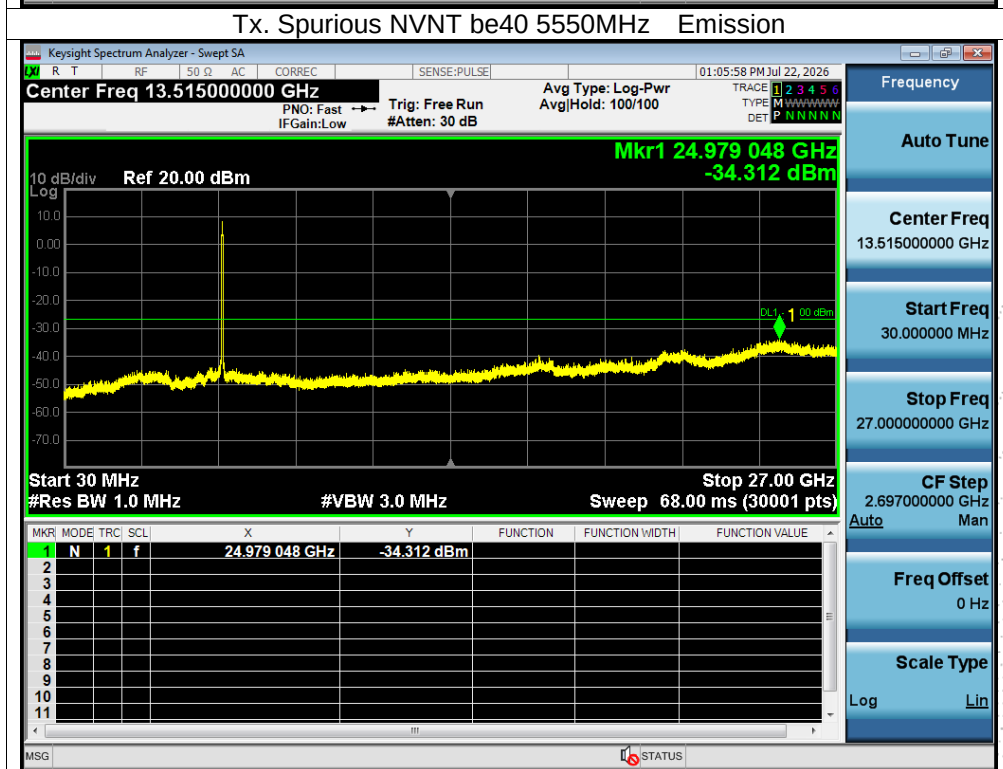
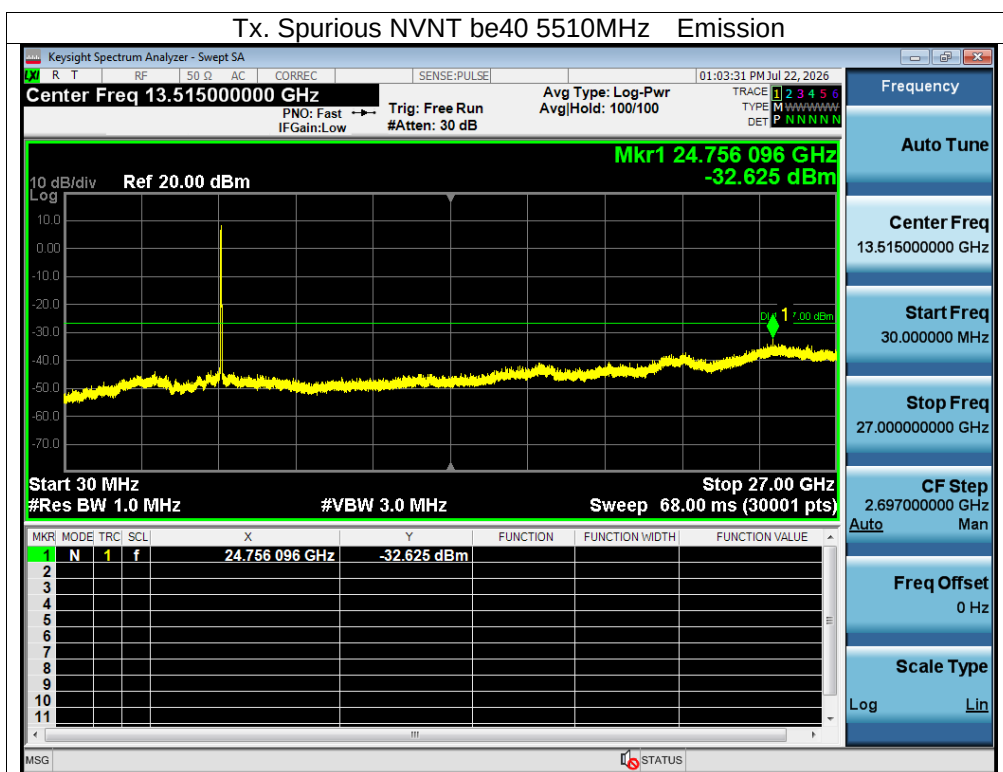
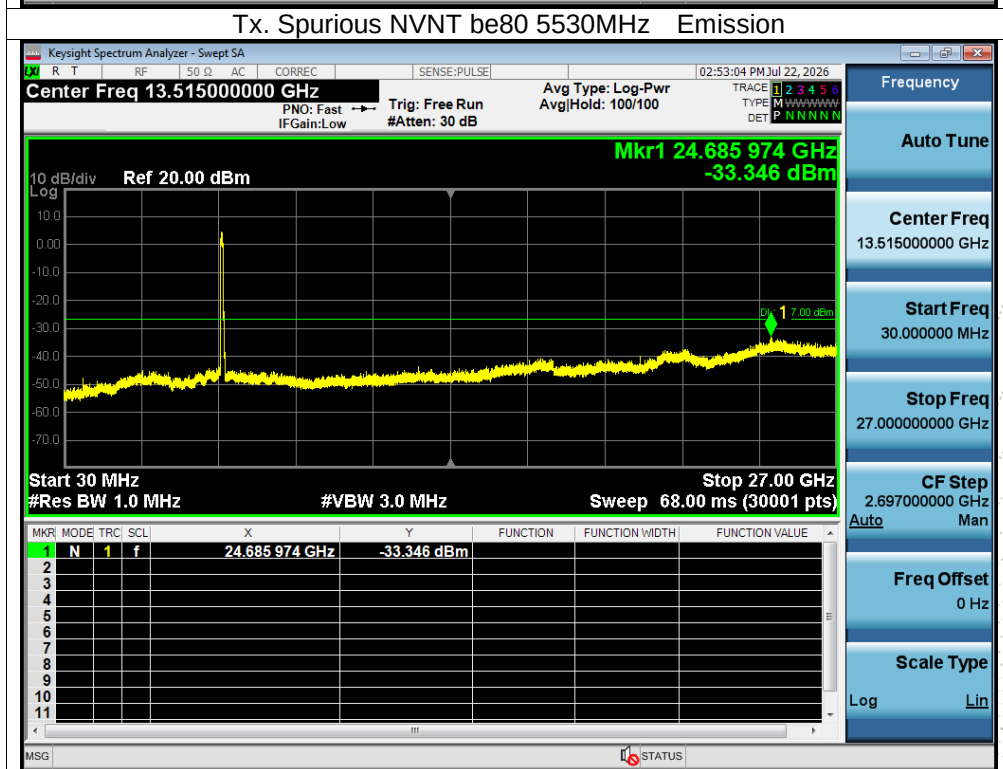
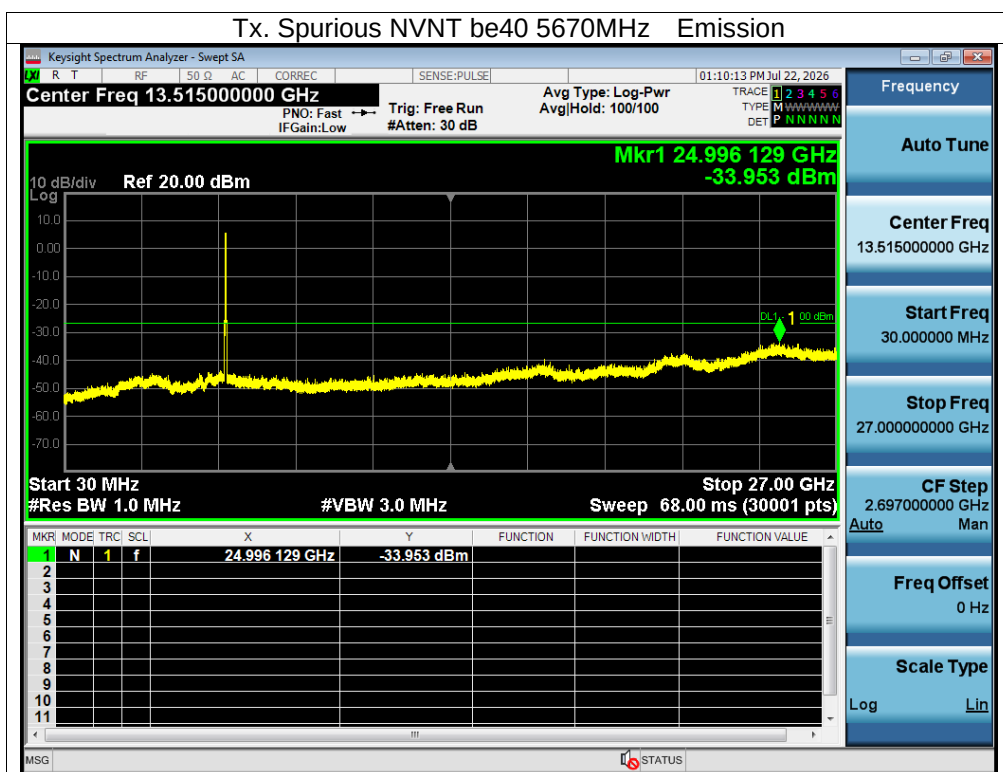
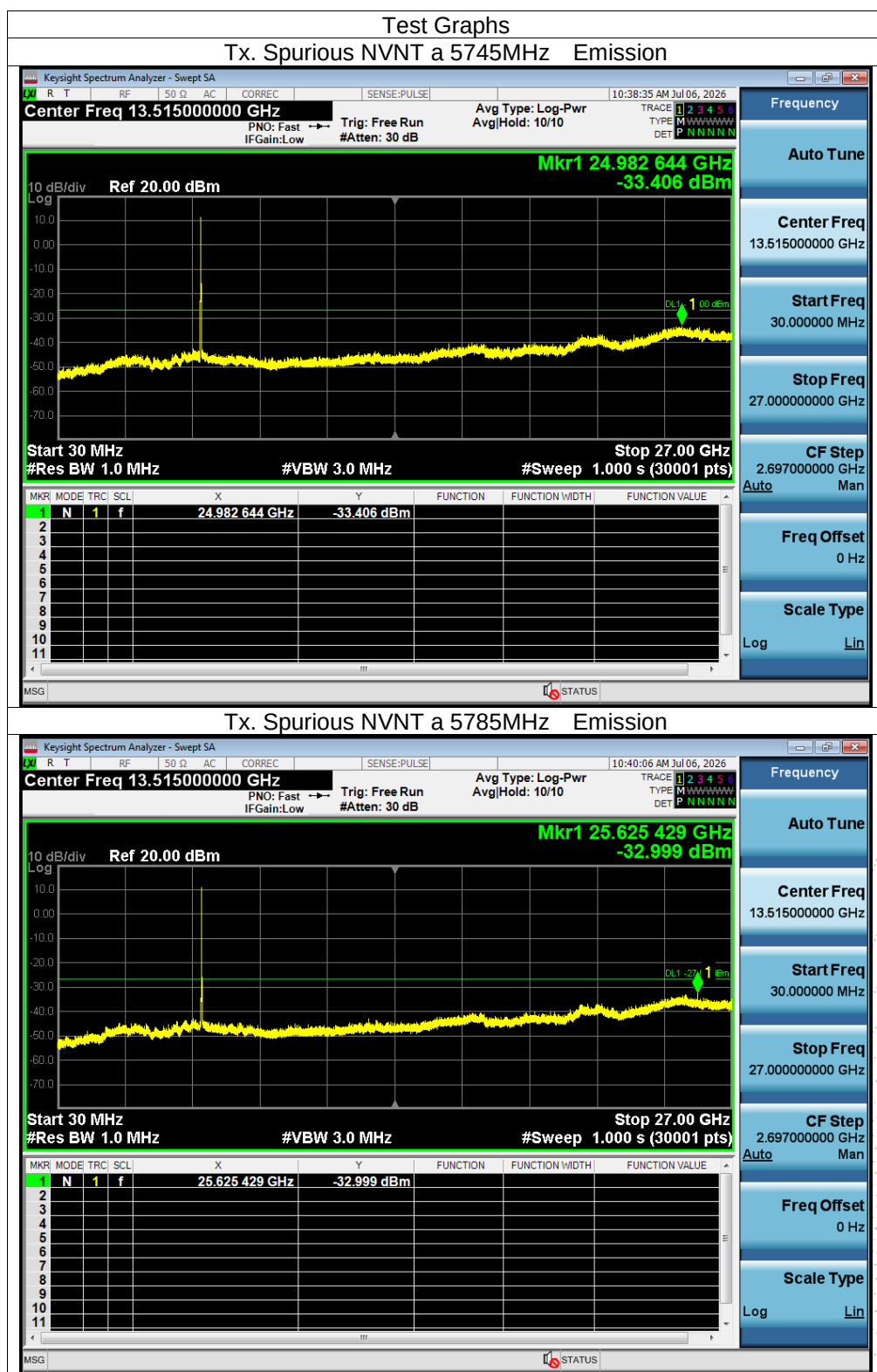
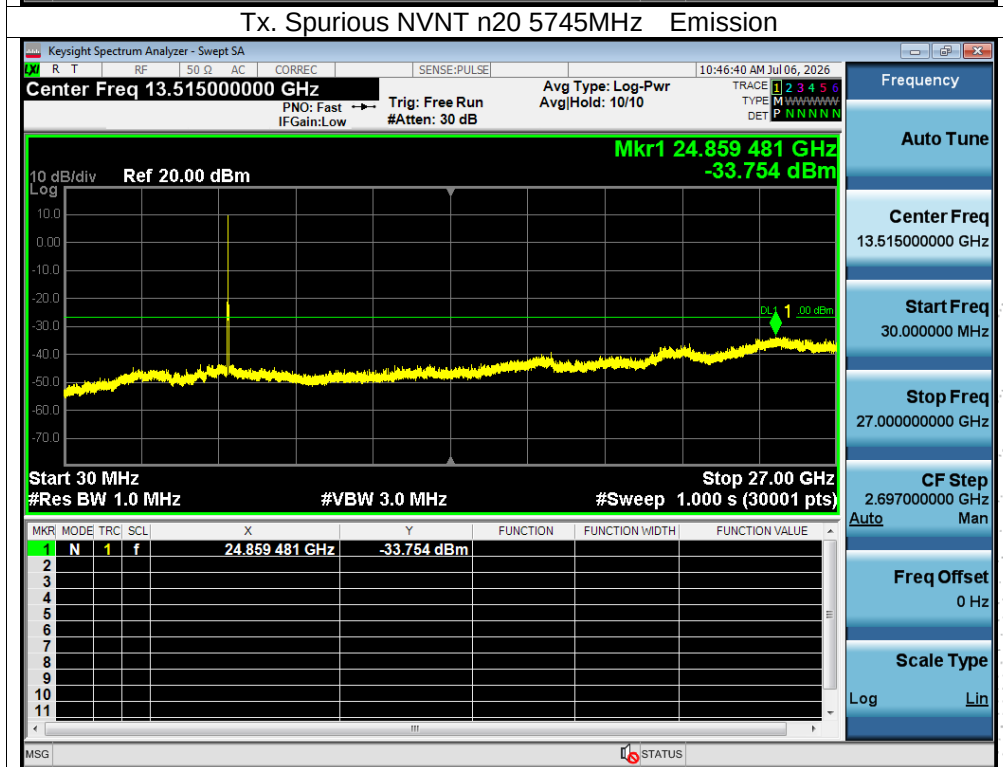
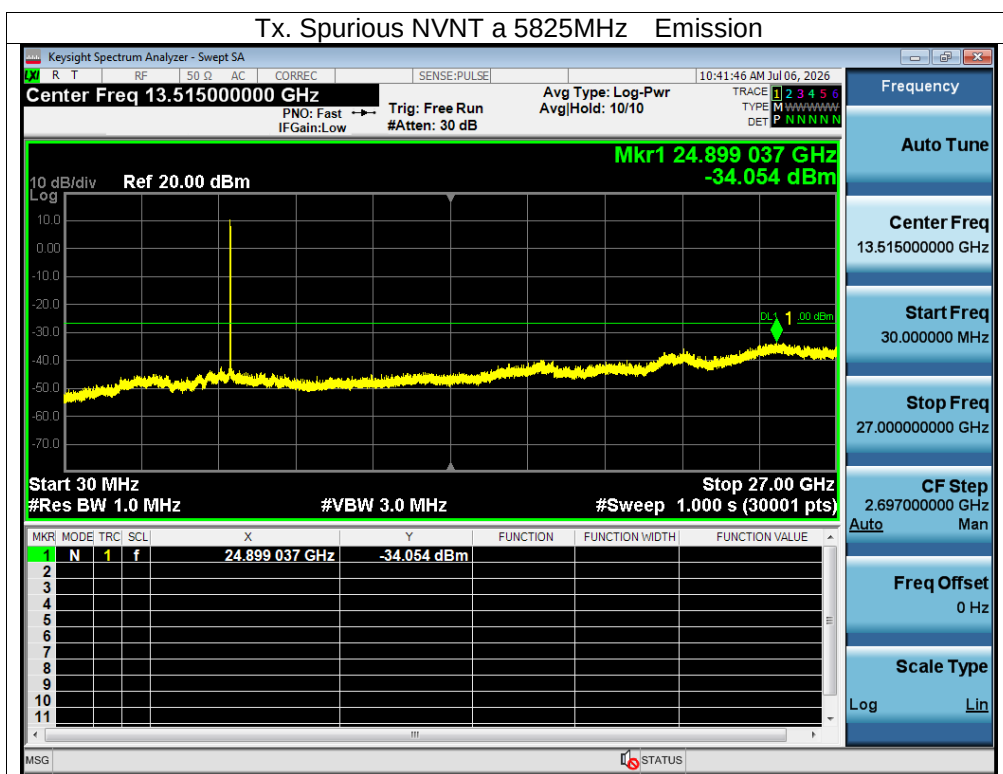


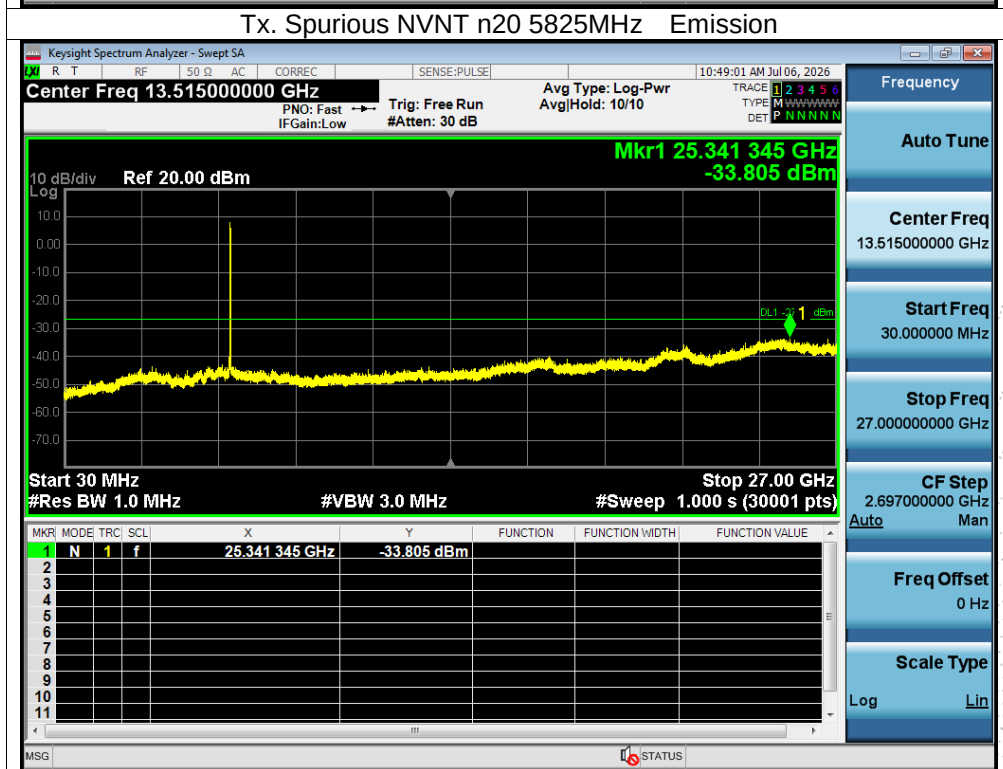
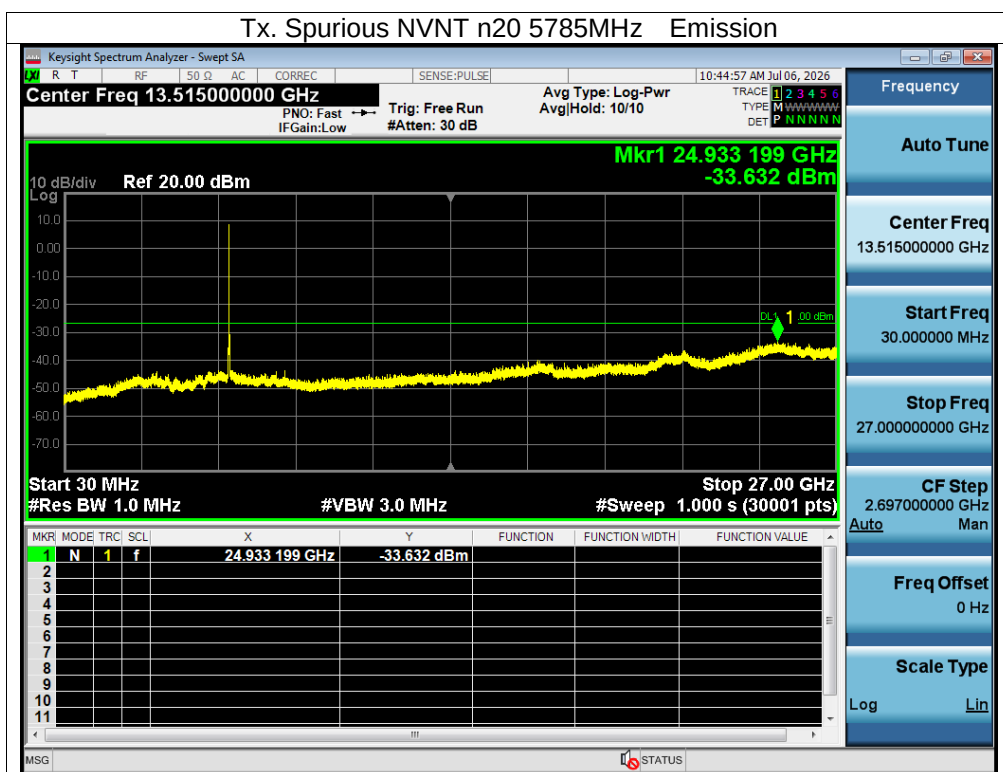


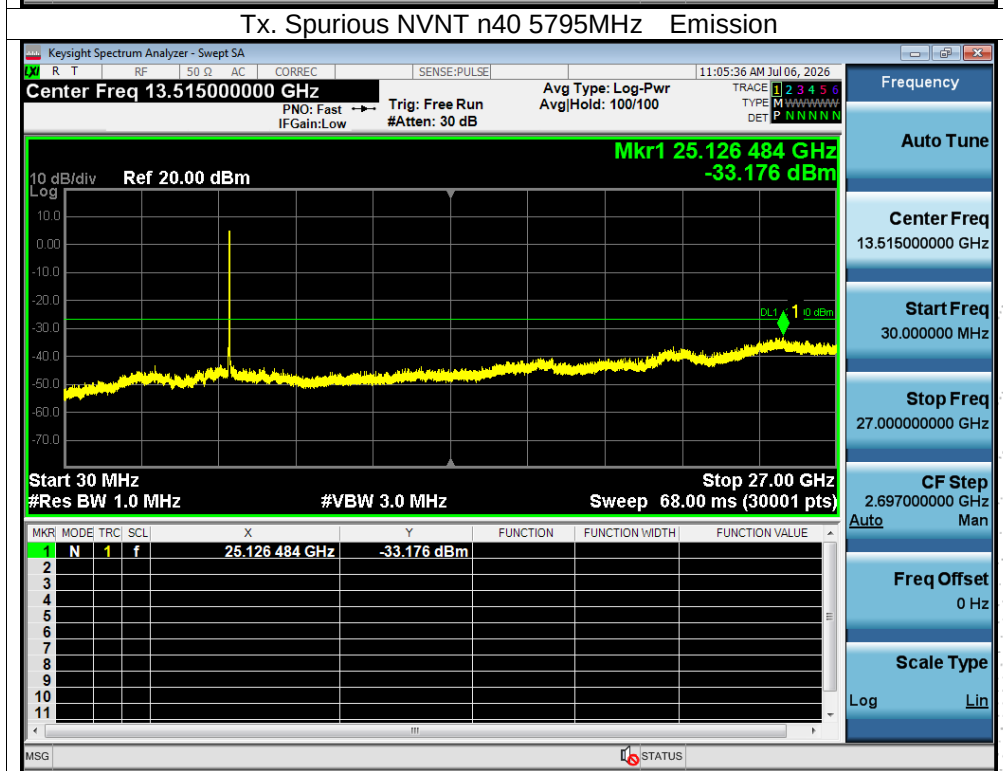
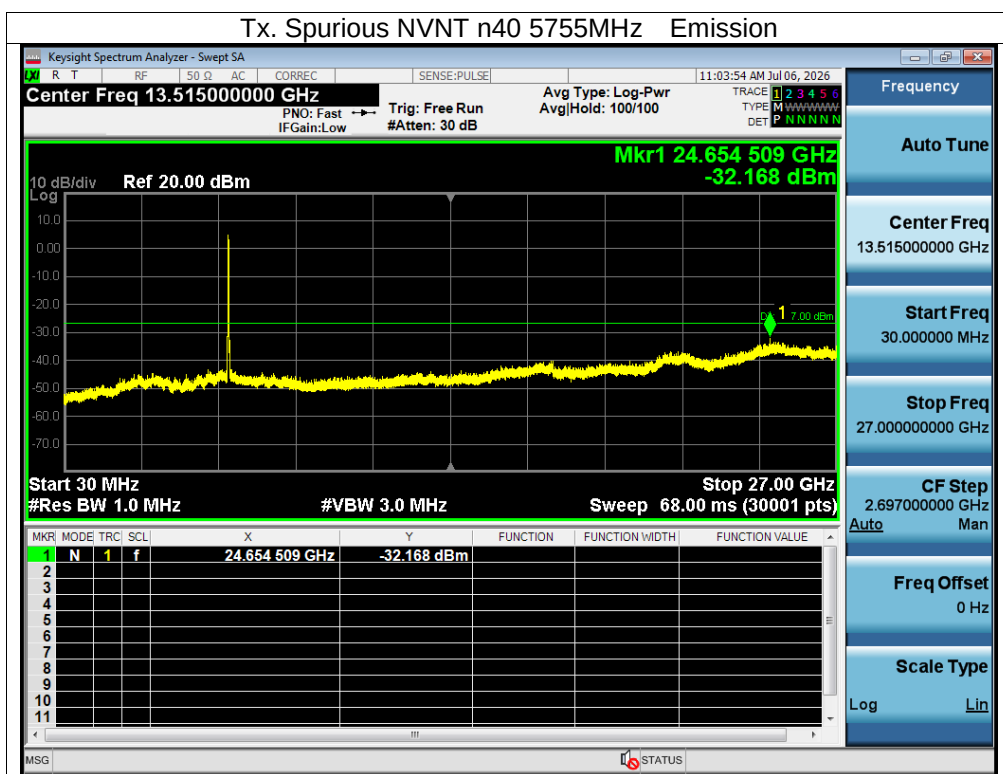


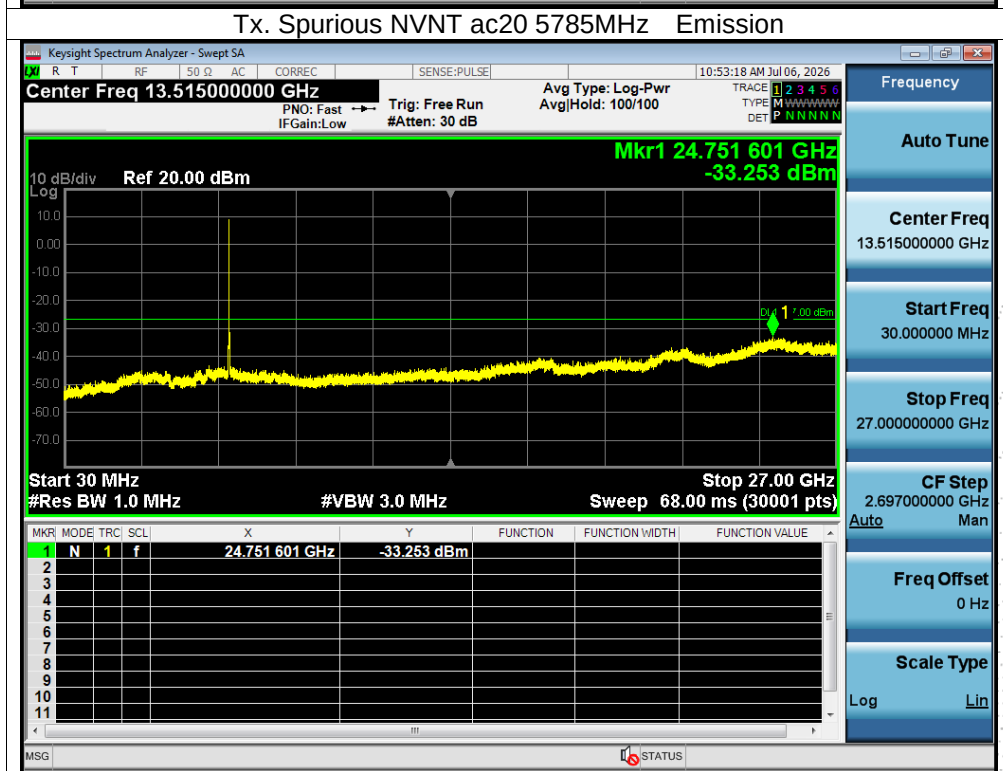
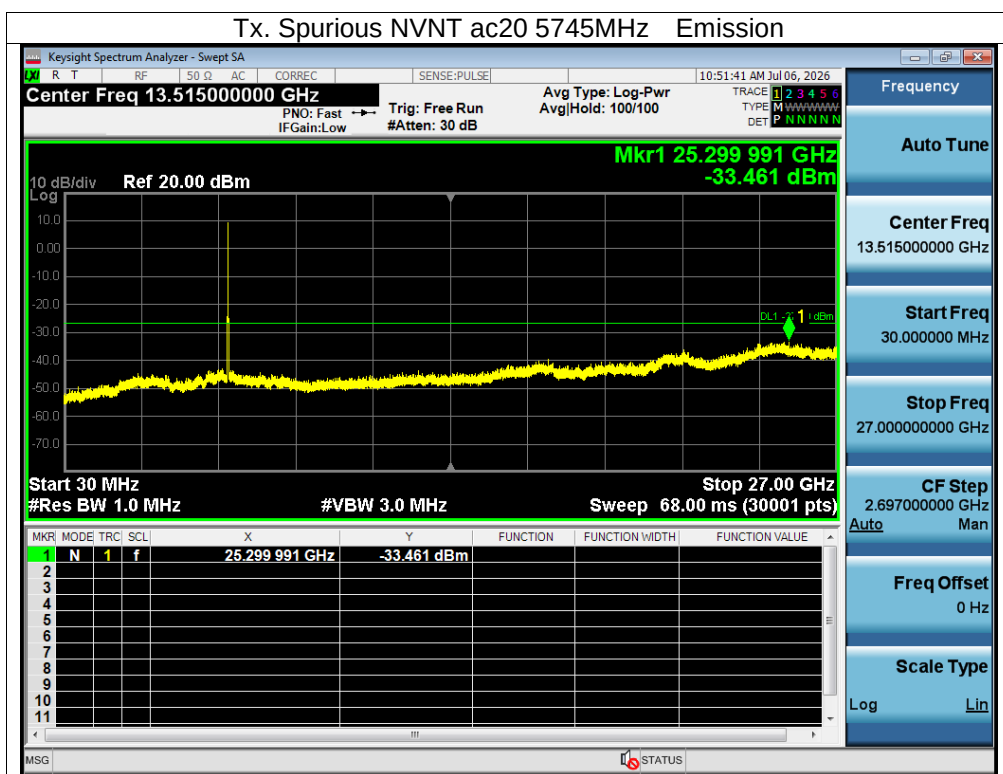
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A. Plot.

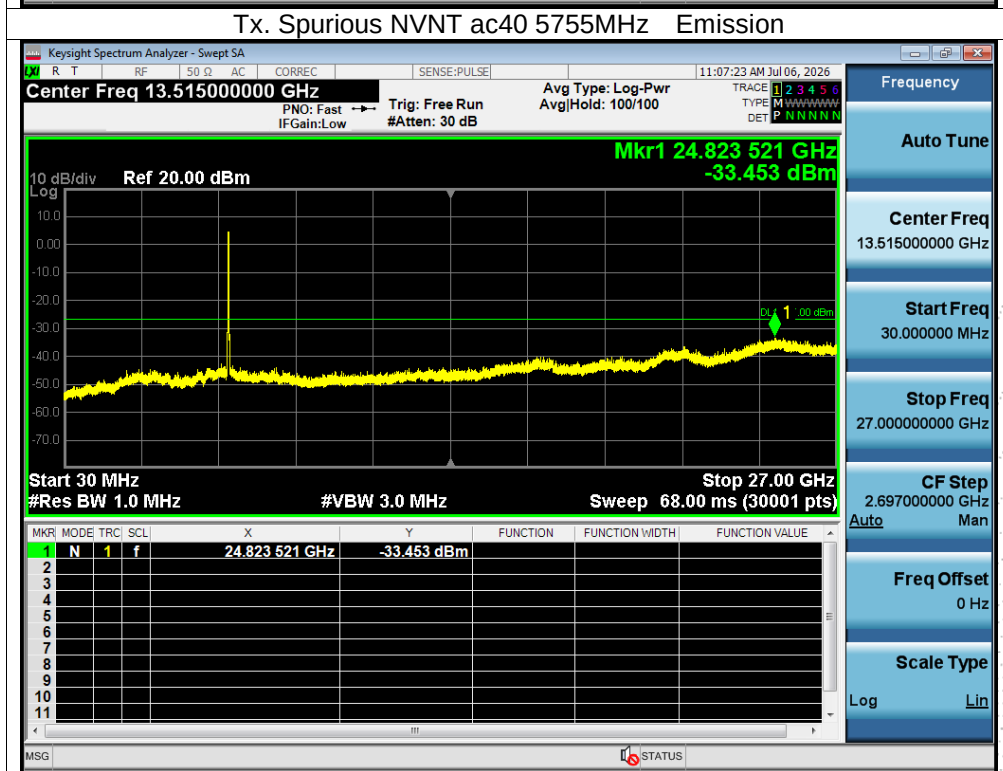
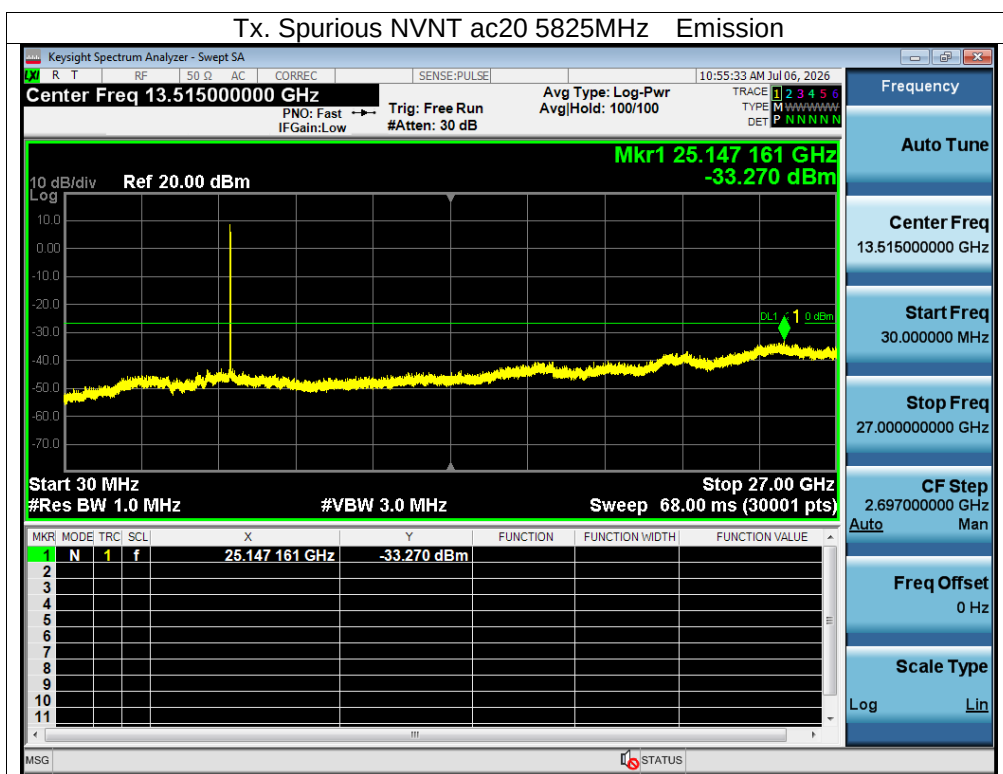


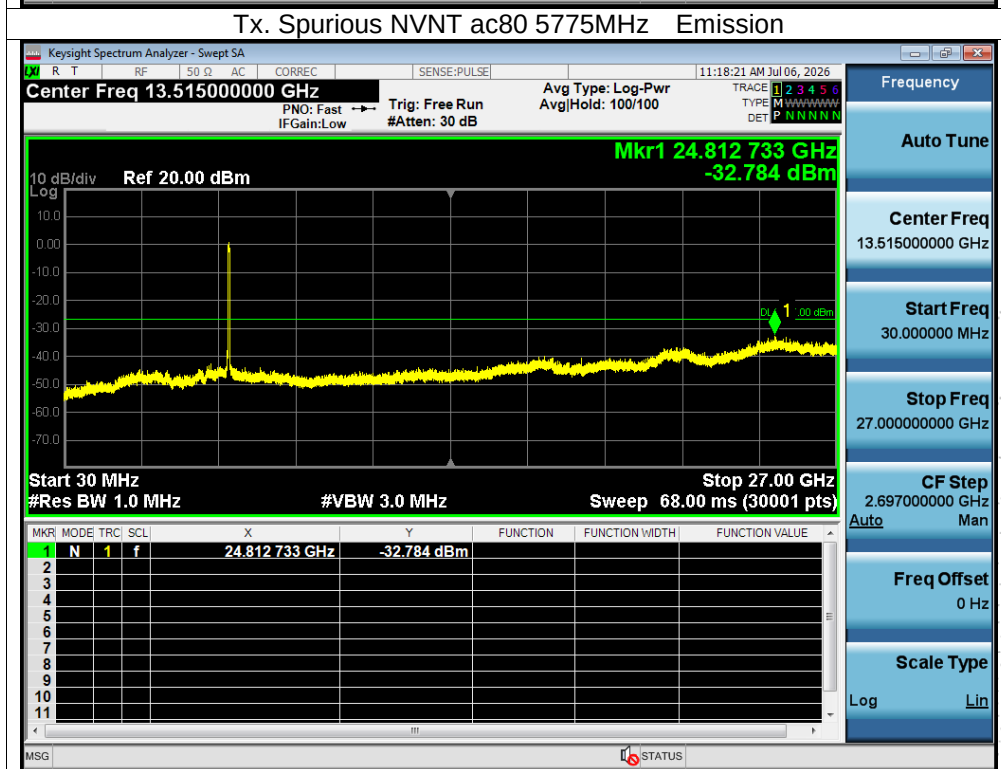
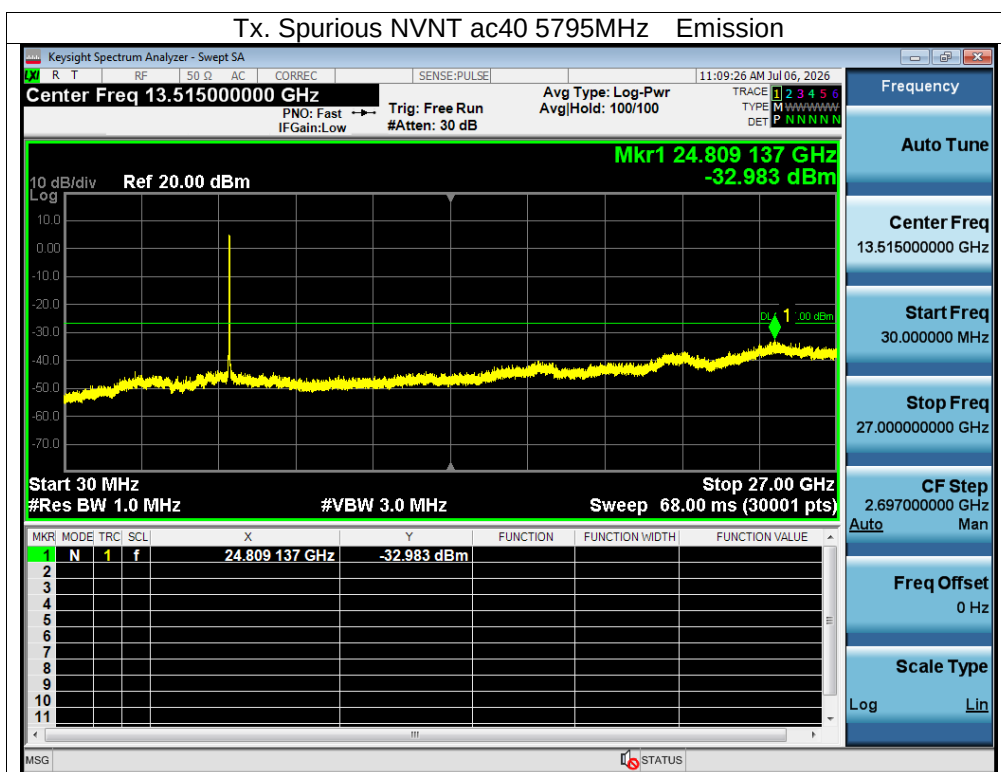


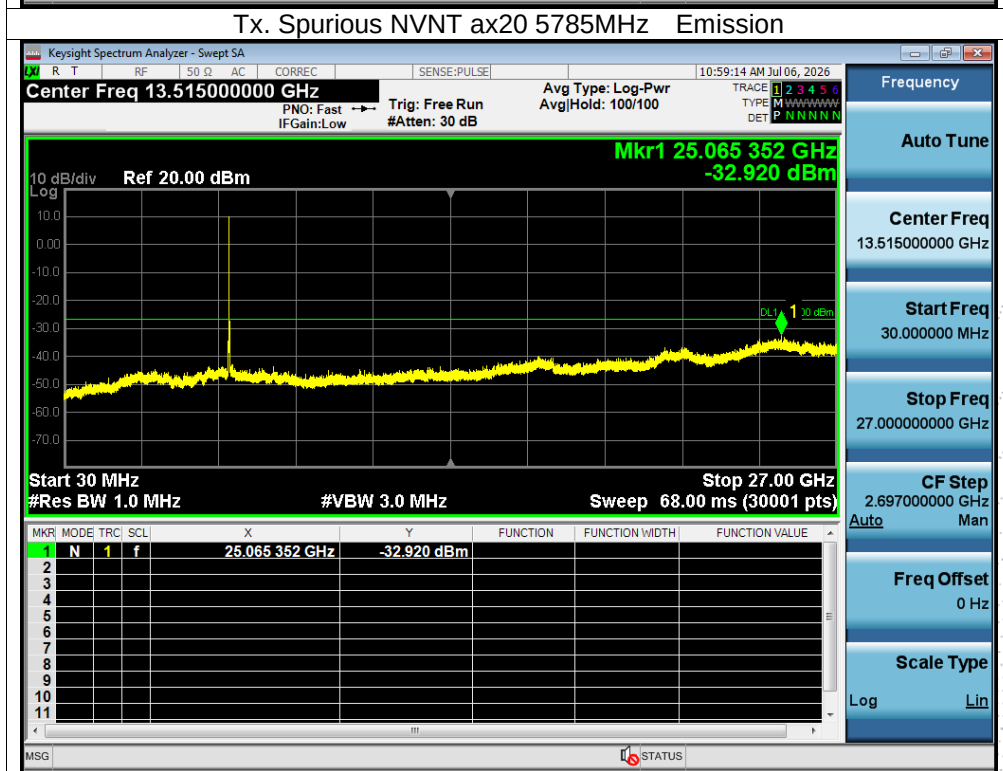
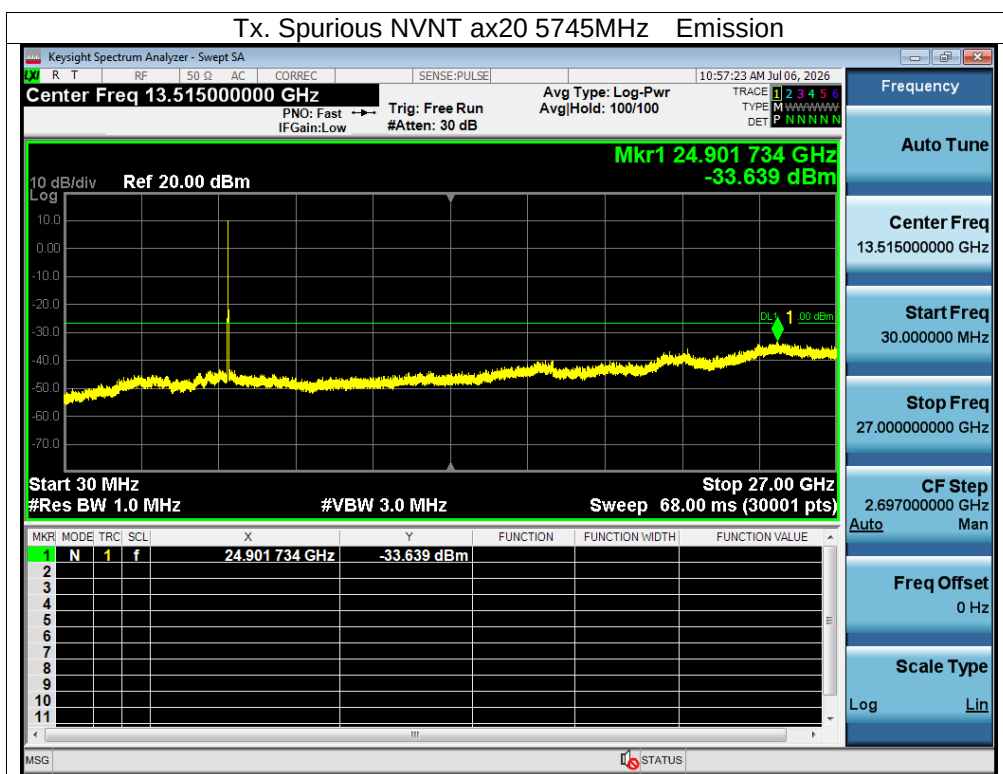


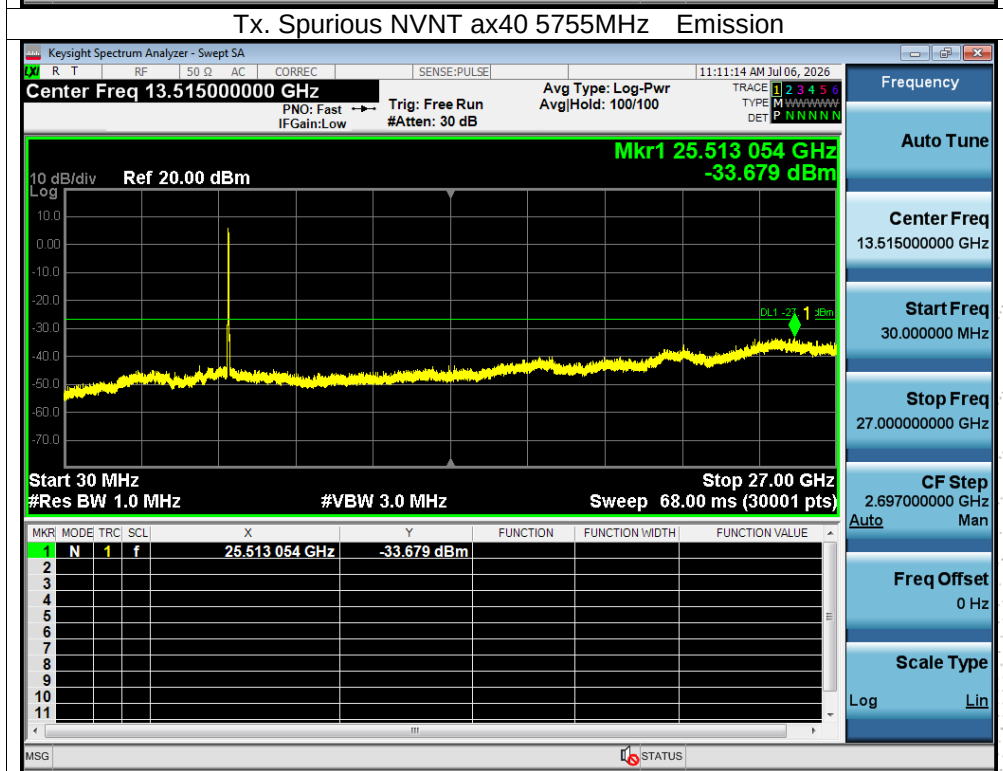
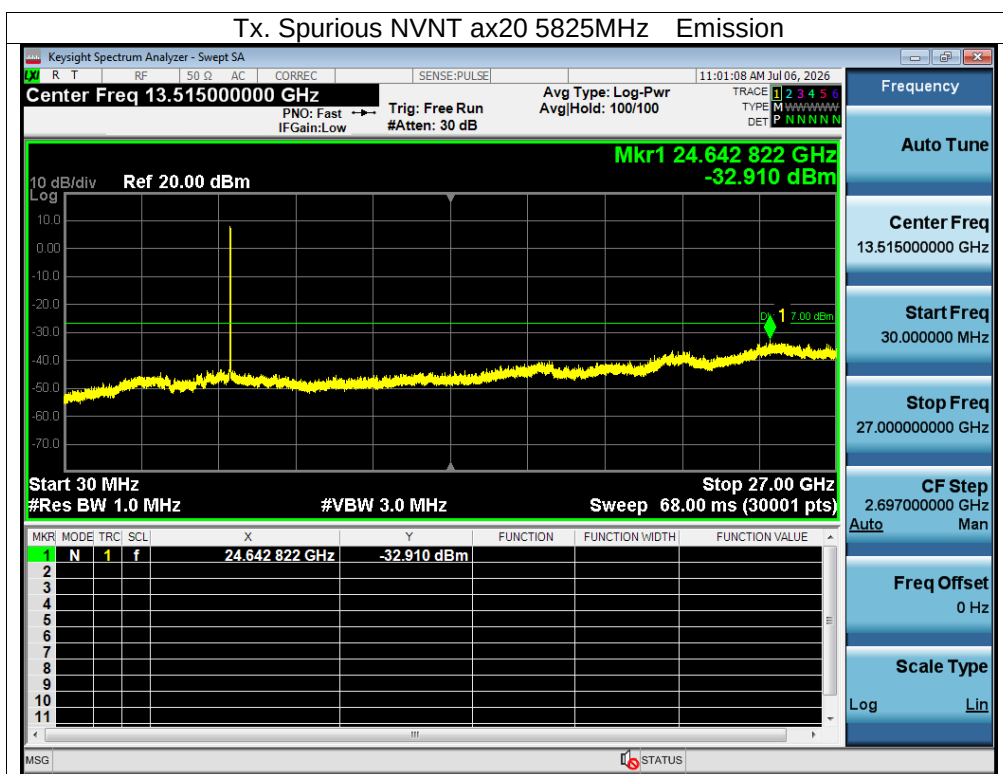


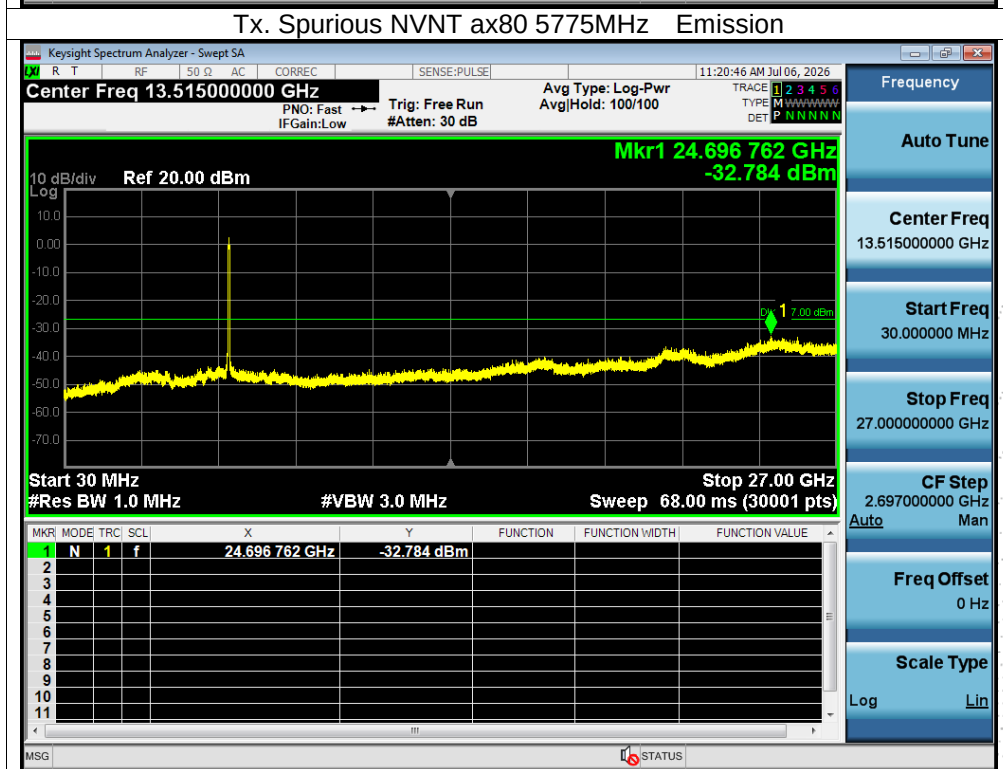
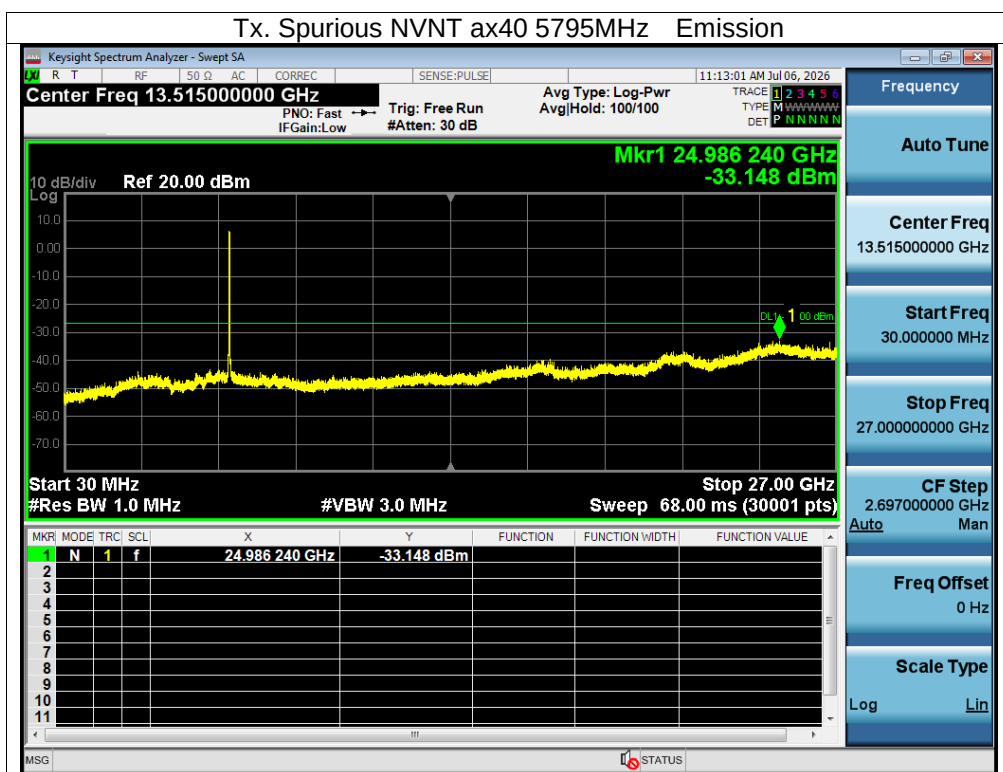


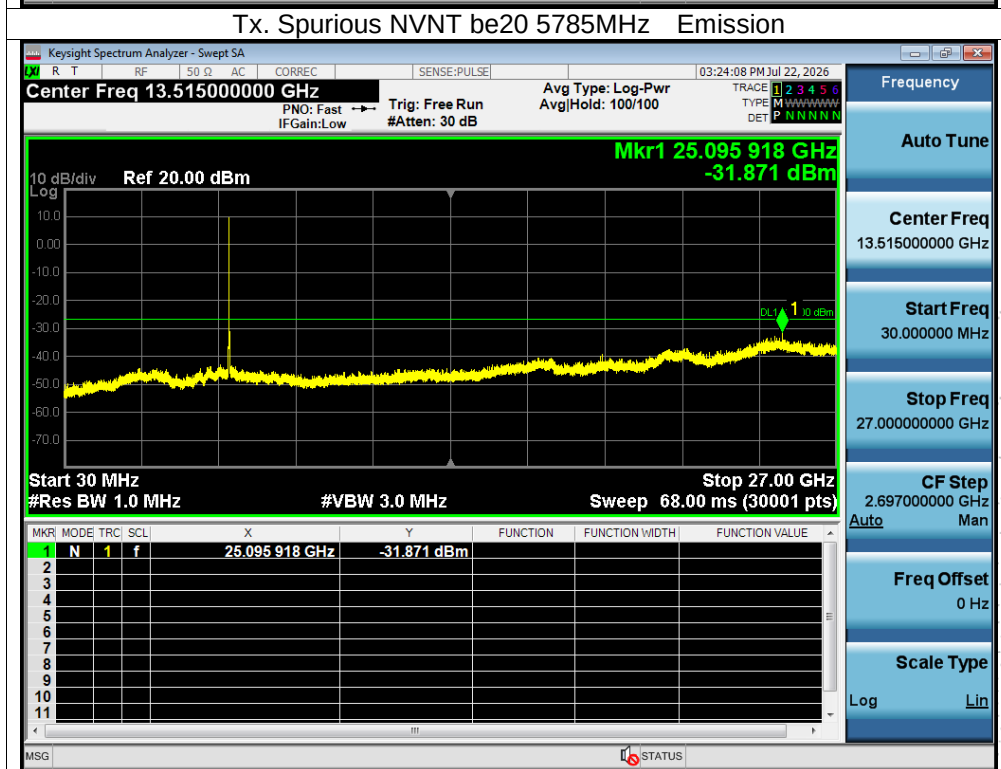
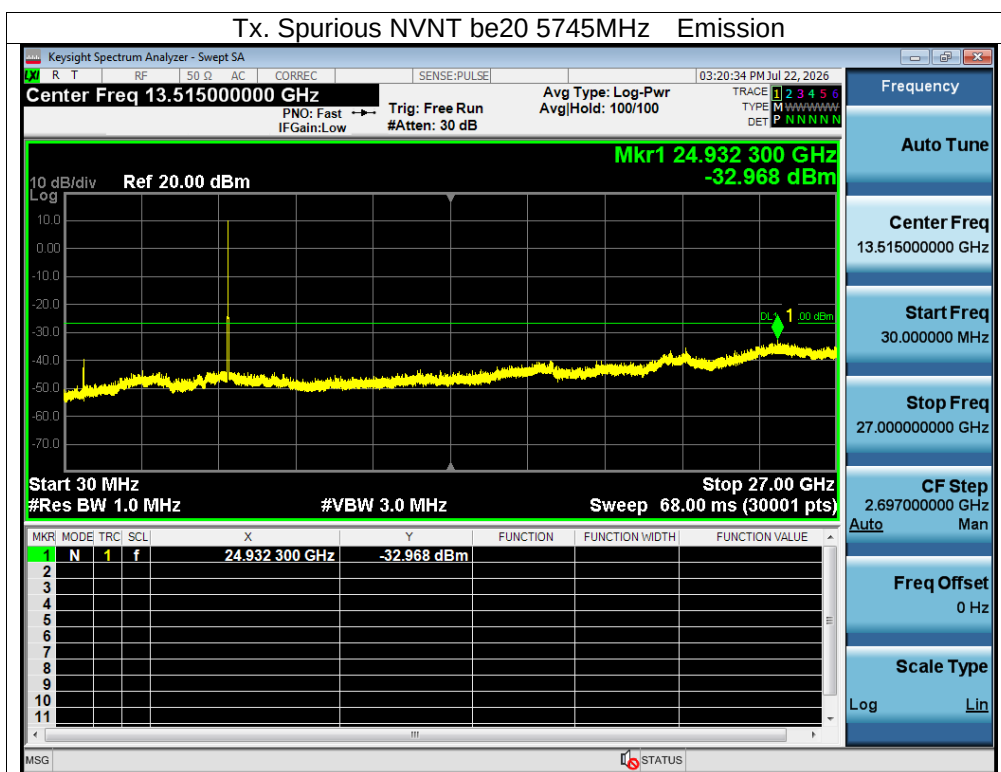


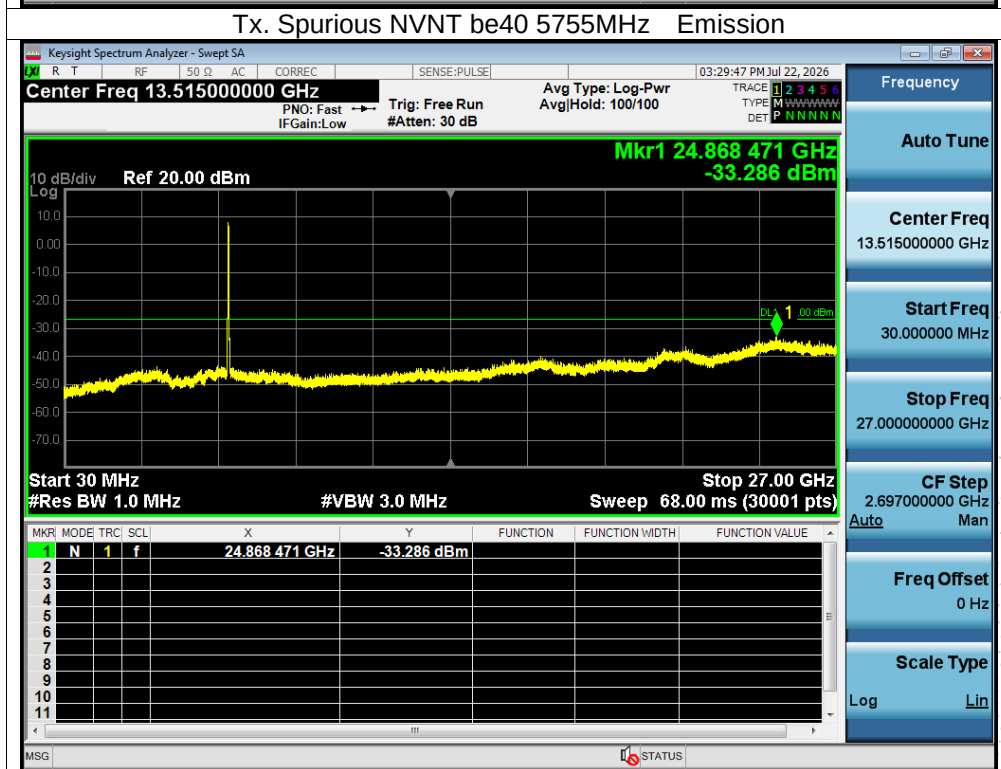
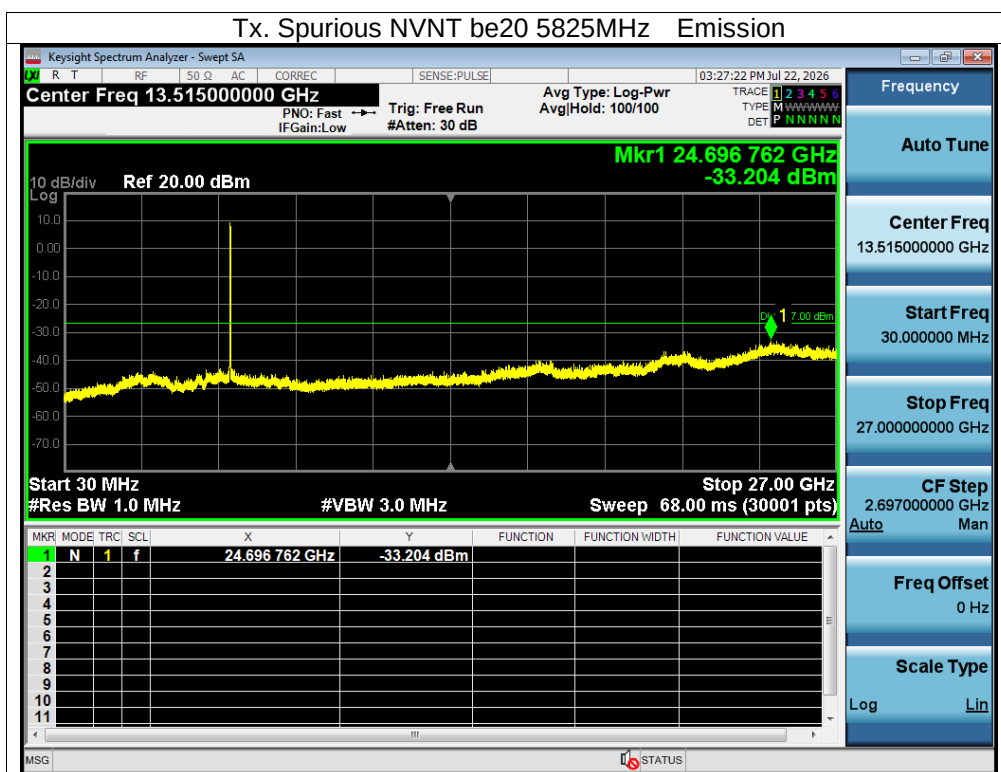


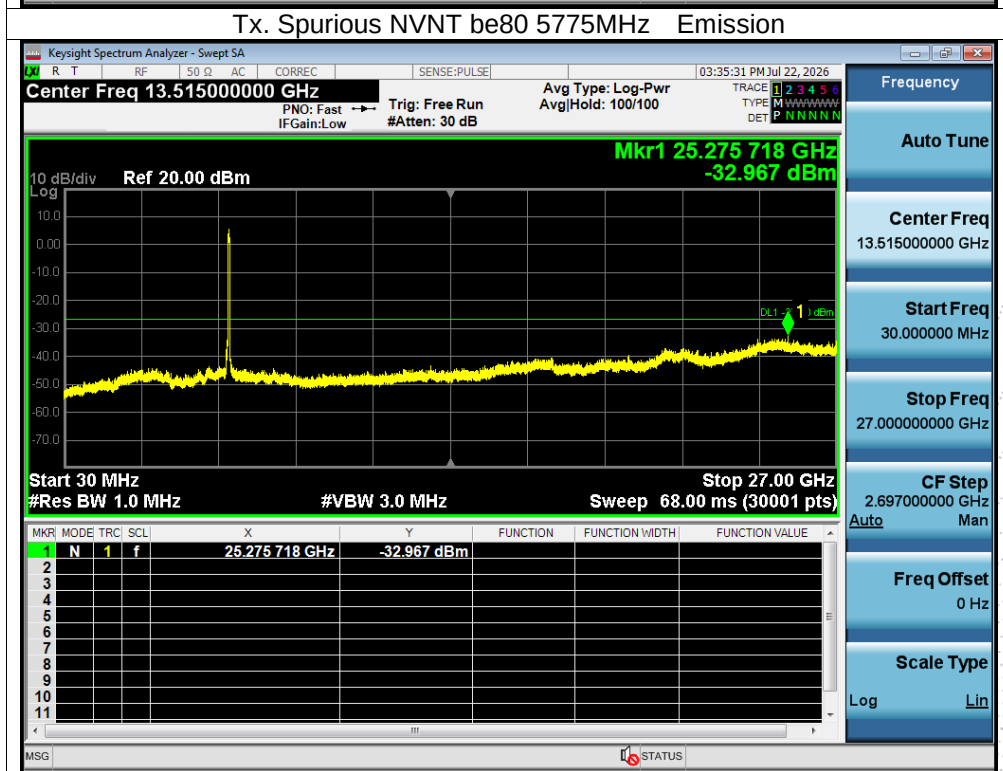
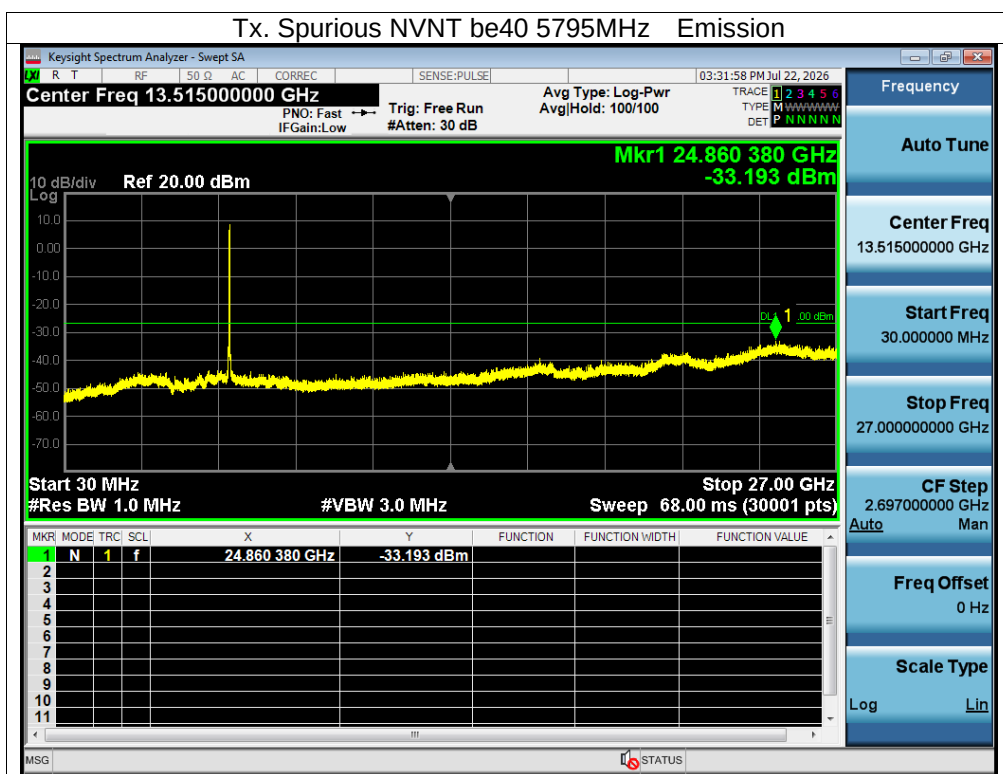












13. Frequency Stability Measurement

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	5180.0067	5180	0.0067	1.2934
		V max (V)	138.00	5180.0101	5180	0.0101	1.9498
		V min (V)	102.00	5180.0076	5180	0.0076	1.4672
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

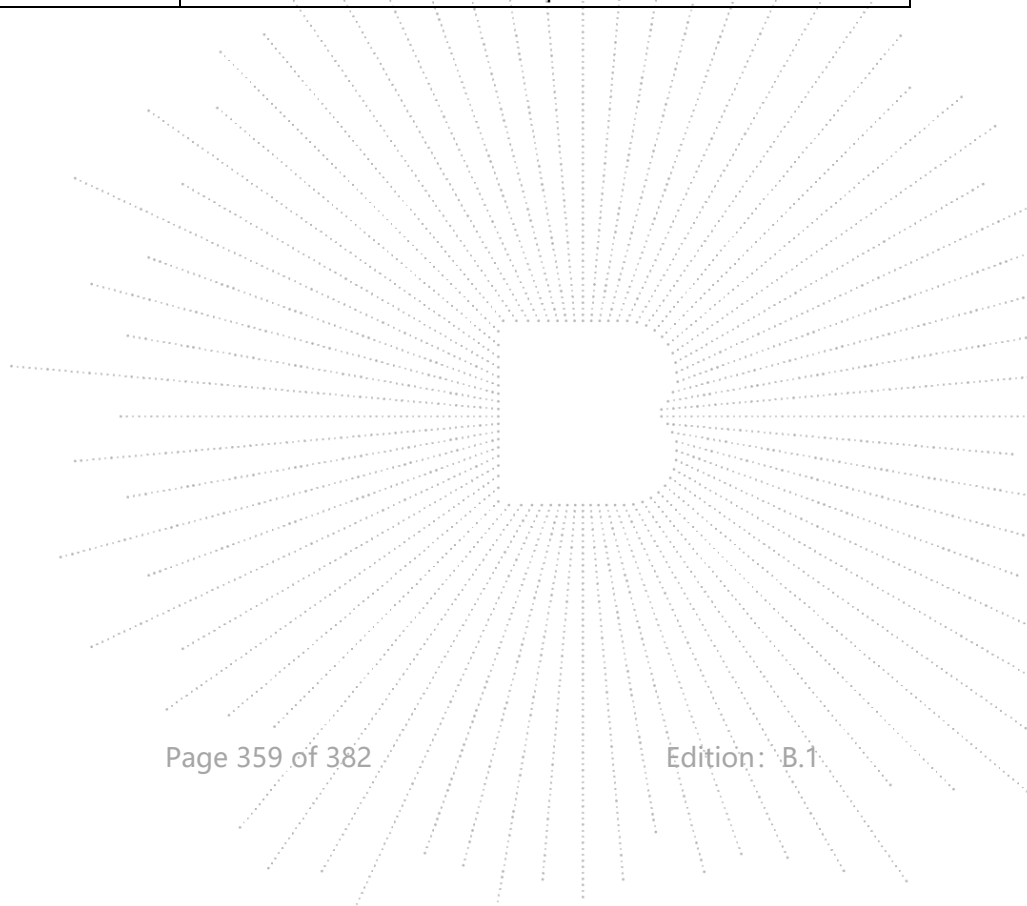
TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5180.0067	5180	0.0067	1.2934
		T (°C)	-10	5180.0004	5180	0.0004	0.0772
		T (°C)	0	5180.0129	5180	0.0129	2.4903
		T (°C)	10	5180.0087	5180	0.0087	1.6795
		T (°C)	20	5180.0135	5180	0.0135	2.6062
		T (°C)	30	5180.0048	5180	0.0048	0.9266
		T (°C)	40	5180.0039	5180	0.0039	0.7529
		T (°C)	50	5180.0004	5180	0.0004	0.0772
		T (°C)	60	5180.0049	5180	0.0049	0.9459
		T (°C)	70	5180.0016	5180	0.0016	0.3089
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	5200.0013	5200	0.0013	0.2500
		V max (V)	138.00	5200.0040	5200	0.0040	0.7692
		V min (V)	102.00	5200.0118	5200	0.0118	2.2692
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	5200.01080	5200	0.01080	2.0769
		T (°C)	-10	5200.00660	5200	0.00660	1.2692
		T (°C)	0	5200.01120	5200	0.01120	2.1538
		T (°C)	10	5200.01320	5200	0.01320	2.5385
		T (°C)	20	5200.00960	5200	0.00960	1.8462
		T (°C)	30	5200.00180	5200	0.00180	0.3462
		T (°C)	40	5200.00440	5200	0.00440	0.8462
		T (°C)	50	5200.01240	5200	0.01240	2.3846
		T (°C)	60	5200.00530	5200	0.00530	1.0192
		T (°C)	70	5200.00060	5200	0.00060	0.1154
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	5240.0052	5240	0.0052	0.9924
		V max (V)	138.00	5240.0011	5240	0.0011	0.2099
		V min (V)	102.00	5240.0057	5240	0.0057	1.0878
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	5240.0045	5240	0.0045	0.8588
		T (°C)	-10	5240.0107	5240	0.0107	2.0420
		T (°C)	0	5240.0124	5240	0.0124	2.3664
		T (°C)	10	5240.0045	5240	0.0045	0.8588
		T (°C)	20	5240.0044	5240	0.0044	0.8397
		T (°C)	30	5240.0010	5240	0.0010	0.1908
		T (°C)	40	5240.0077	5240	0.0077	1.4695
		T (°C)	50	5240.0076	5240	0.0076	1.4504
		T (°C)	60	5240.0025	5240	0.0025	0.4771
		T (°C)	70	5240.0002	5240	0.0002	0.0382
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	5260.0059	5260	0.0059	1.1217
		V max (V)	138.00	5260.0103	5260	0.0103	1.9582
		V min (V)	102.00	5260.0082	5260	0.0082	1.5589
Limits				5250-5350 MHz			
Result				Complies			

Temperature vs. Frequency Stability

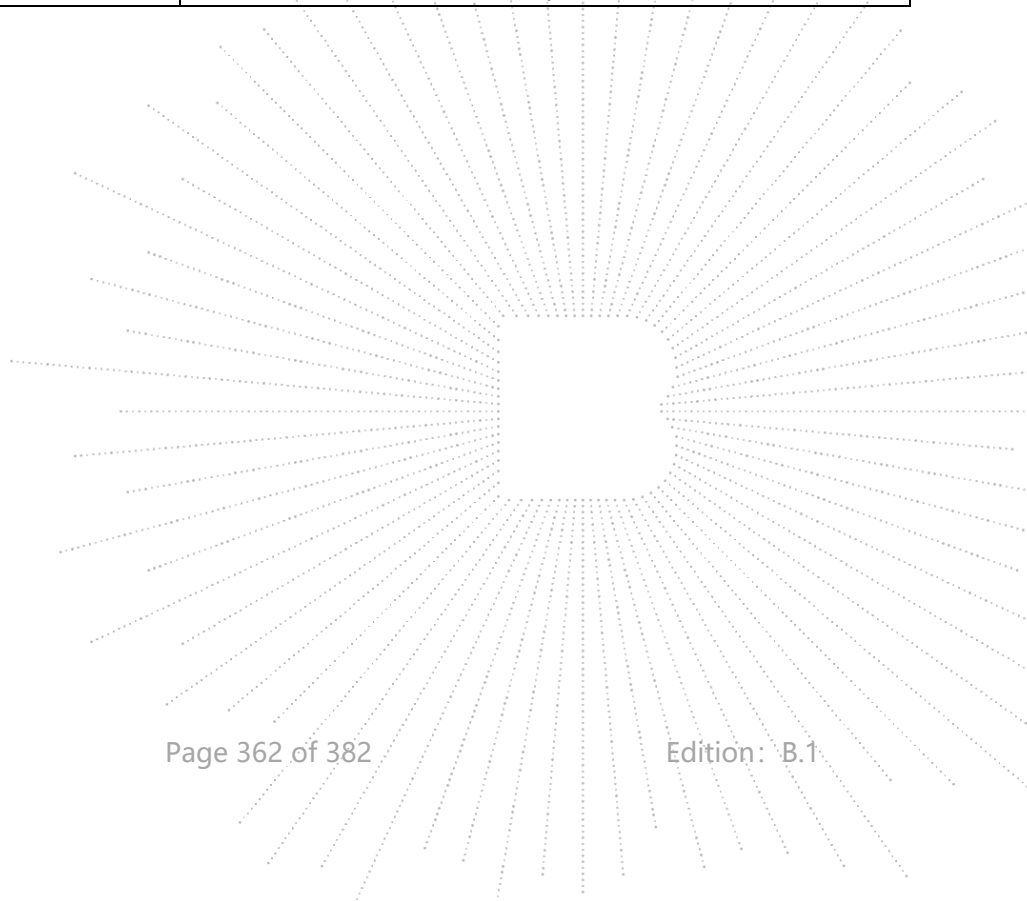
TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	120	T (°C)	-20	5260.0104	5260	0.0104	1.9772
		T (°C)	-10	5260.0036	5260	0.0036	0.6844
		T (°C)	0	5260.0042	5260	0.0042	0.7985
		T (°C)	10	5260.0092	5260	0.0092	1.7490
		T (°C)	20	5260.0084	5260	0.0084	1.5970
		T (°C)	30	5260.0058	5260	0.0058	1.1027
		T (°C)	40	5260.0086	5260	0.0086	1.6350
		T (°C)	50	5260.0078	5260	0.0078	1.4829
		T (°C)	60	5260.0120	5260	0.0120	2.2814
		T (°C)	70	5260.0027	5260	0.0027	0.5133
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	5280.0029	5280	0.0029	0.5492
		V max (V)	138.00	5280.0098	5280	0.0098	1.8561
		V min (V)	102.00	5280.0129	5280	0.0129	2.4432
Limits				5250-5350 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	5280.00760	5280	0.00760	1.4394
		T (°C)	-10	5280.00750	5280	0.00750	1.4205
		T (°C)	0	5280.01090	5280	0.01090	2.0644
		T (°C)	10	5280.00710	5280	0.00710	1.3447
		T (°C)	20	5280.00910	5280	0.00910	1.7235
		T (°C)	30	5280.01320	5280	0.01320	2.5000
		T (°C)	40	5280.00270	5280	0.00270	0.5114
		T (°C)	50	5280.00500	5280	0.00500	0.9470
		T (°C)	60	5280.01160	5280	0.01160	2.1970
		T (°C)	70	5280.00520	5280	0.00520	0.9848
Limits				5250-5350 MHz			
Result				Complies			

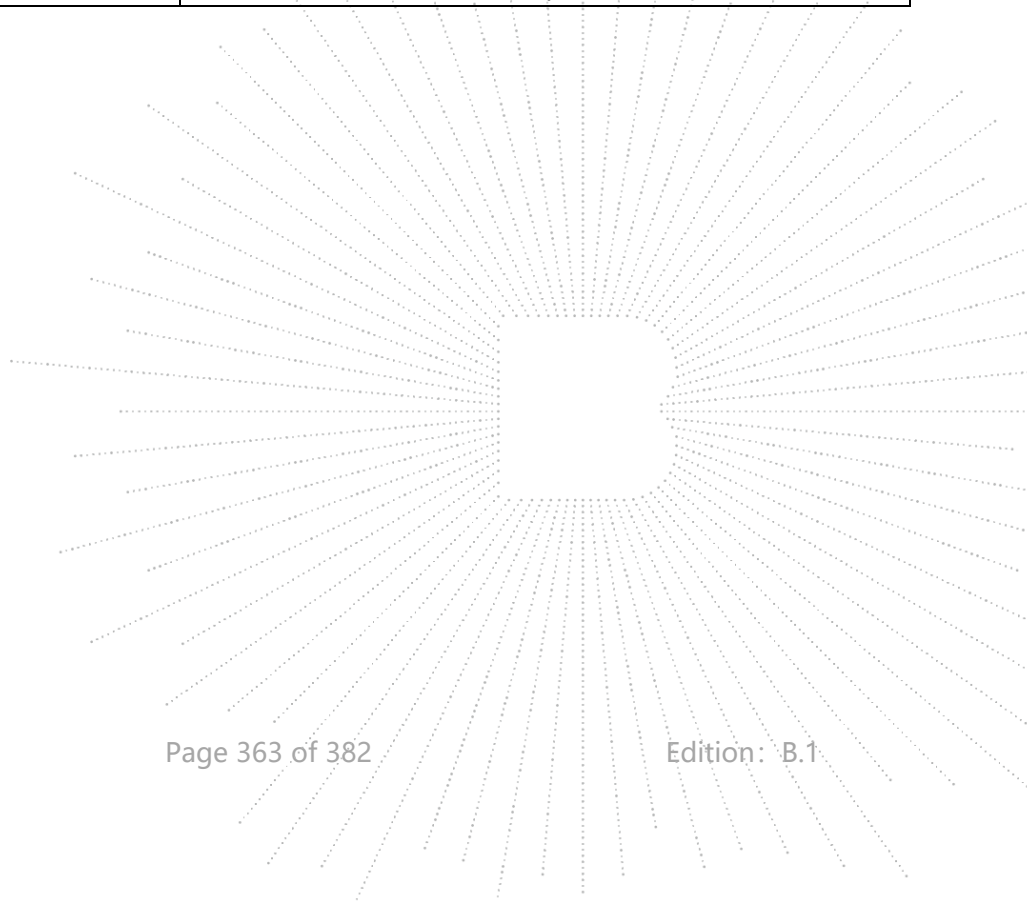


Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency: 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	120.00	5320.0108	5320	0.0108	2.0301
		V max (V)	138.00	5320.0015	5320	0.0015	0.2820
		V min (V)	102.00	5320.0049	5320	0.0049	0.9211
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	5320.0012	5320	0.0012	0.2256
		T (°C)	-10	5320.0082	5320	0.0082	1.5414
		T (°C)	0	5320.0062	5320	0.0062	1.1654
		T (°C)	10	5320.0111	5320	0.0111	2.0865
		T (°C)	20	5320.0040	5320	0.0040	0.7519
		T (°C)	30	5320.0123	5320	0.0123	2.3120
		T (°C)	40	5320.0098	5320	0.0098	1.8421
		T (°C)	50	5320.0021	5320	0.0021	0.3947
		T (°C)	60	5320.0054	5320	0.0054	1.0150
		T (°C)	70	5320.0059	5320	0.0059	1.1090
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	5500.0078	5500	0.0078	1.4182
		V max (V)	138.00	5500.0075	5500	0.0075	1.3636
		V min (V)	102.00	5500.0008	5500	0.0008	0.1455
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	5500.0005	5500	0.0005	0.0909
		T (°C)	-10	5500.0132	5500	0.0132	2.4000
		T (°C)	0	5500.0073	5500	0.0073	1.3273
		T (°C)	10	5500.0060	5500	0.0060	1.0909
		T (°C)	20	5500.0056	5500	0.0056	1.0182
		T (°C)	30	5500.0106	5500	0.0106	1.9273
		T (°C)	40	5500.0125	5500	0.0125	2.2727
		T (°C)	50	5500.0037	5500	0.0037	0.6727
		T (°C)	60	5500.0022	5500	0.0022	0.4000
		T (°C)	70	5500.0065	5500	0.0065	1.1818
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	5580.0039	5580	0.0039	0.6989
		V max (V)	138.00	5580.0092	5580	0.0092	1.6487
		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	5580.00100	5580	0.00100	0.1792
		T (°C)	-10	5580.00160	5580	0.00160	0.2867
		T (°C)	0	5580.00010	5580	0.00010	0.0179
		T (°C)	10	5580.01010	5580	0.01010	1.8100
		T (°C)	20	5580.00480	5580	0.00480	0.8602
		T (°C)	30	5580.00890	5580	0.00890	1.5950
		T (°C)	40	5580.00400	5580	0.00400	0.7168
		T (°C)	50	5580.00040	5580	0.00040	0.0717
		T (°C)	60	5580.01130	5580	0.01130	2.0251
		T (°C)	70	5580.00290	5580	0.00290	0.5197
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	5700.0053	5700	0.0053	0.9298
		V max (V)	138.00	5700.0118	5700	0.0118	2.0702
		V min (V)	102.00	5700.0089	5700	0.0089	1.5614
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	5700.0010	5700	0.0010	0.1754
		T (°C)	-10	5700.0075	5700	0.0075	1.3158
		T (°C)	0	5700.0108	5700	0.0108	1.8947
		T (°C)	10	5700.0121	5700	0.0121	2.1228
		T (°C)	20	5700.0004	5700	0.0004	0.0702
		T (°C)	30	5700.0130	5700	0.0130	2.2807
		T (°C)	40	5700.0039	5700	0.0039	0.6842
		T (°C)	50	5700.0122	5700	0.0122	2.1404
		T (°C)	60	5700.0030	5700	0.0030	0.5263
		T (°C)	70	5700.0022	5700	0.0022	0.3860
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	5745.00870	5745	0.00870	1.5144
		V max (V)	138.00	5745.01020	5745	0.01020	1.7755
		V min (V)	102.00	5745.00510	5745	0.00510	0.8877
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	5745.01140	5745	0.01140	1.9843
		T (°C)	-10	5745.00960	5745	0.00960	1.6710
		T (°C)	0	5745.00500	5745	0.00500	0.8703
		T (°C)	10	5745.00570	5745	0.00570	0.9922
		T (°C)	20	5745.00970	5745	0.00970	1.6884
		T (°C)	30	5745.00240	5745	0.00240	0.4178
		T (°C)	40	5745.00410	5745	0.00410	0.7137
		T (°C)	50	5745.00820	5745	0.00820	1.4273
		T (°C)	60	5745.00810	5745	0.00810	1.4099
		T (°C)	70	5745.00120	5745	0.00120	0.2089
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	5785.01000	5785	0.01000	1.7286
		V max (V)	138.00	5785.00380	5785	0.00380	0.6569
		V min (V)	102.00	5785.00400	5785	0.00400	0.6914
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	5785.00900	5785	0.00900	1.5557
		T (°C)	-10	5785.01200	5785	0.01200	2.0743
		T (°C)	0	5785.00740	5785	0.00740	1.2792
		T (°C)	10	5785.01260	5785	0.01260	2.1780
		T (°C)	20	5785.00090	5785	0.00090	0.1556
		T (°C)	30	5785.00730	5785	0.00730	1.2619
		T (°C)	40	5785.00390	5785	0.00390	0.6742
		T (°C)	50	5785.01300	5785	0.01300	2.2472
		T (°C)	60	5785.00450	5785	0.00450	0.7779
		T (°C)	70	5785.00180	5785	0.00180	0.3111
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	5825.00460	5825	0.00460	0.7897
		V max (V)	138.00	5825.01330	5825	0.01330	2.2833
		V min (V)	102.00	5825.00510	5825	0.00510	0.8755
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	5825.01170	5825	0.01170	2.0086
		T (°C)	-10	5825.01100	5825	0.01100	1.8884
		T (°C)	0	5825.00310	5825	0.00310	0.5322
		T (°C)	10	5825.00900	5825	0.00900	1.5451
		T (°C)	20	5825.00650	5825	0.00650	1.1159
		T (°C)	30	5825.01070	5825	0.01070	1.8369
		T (°C)	40	5825.00810	5825	0.00810	1.3906
		T (°C)	50	5825.00980	5825	0.00980	1.6824
		T (°C)	60	5825.00950	5825	0.00950	1.6309
		T (°C)	70	5825.00230	5825	0.00230	0.3948
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	82.48	0.84	0.49
NVNT	a	5200	82.52	0.83	0.49
NVNT	a	5240	82.52	0.83	0.49
NVNT	n20	5180	92.32	0.35	0.19
NVNT	n20	5200	92.32	0.35	0.19
NVNT	n20	5240	92.34	0.35	0.19
NVNT	n40	5190	92.08	0.36	0.2
NVNT	n40	5230	92.1	0.36	0.2
NVNT	ac20	5180	85.86	0.66	0.38
NVNT	ac20	5200	85.9	0.66	0.38
NVNT	ac20	5240	85.86	0.66	0.38
NVNT	ac40	5190	85.5	0.68	0.4
NVNT	ac40	5230	85.46	0.68	0.4
NVNT	ac80	5210	84.45	0.73	0.43
NVNT	ax20	5180	82.49	0.84	0.49
NVNT	ax20	5200	82.45	0.84	0.5
NVNT	ax20	5240	82.49	0.84	0.49
NVNT	ax40	5190	82.49	0.84	0.49
NVNT	ax40	5230	82.49	0.84	0.49
NVNT	ax80	5210	81.85	0.87	0.52
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	46.77	3.3	2.65
NVNT	be80	5210	34.95	4.57	4.35

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	76.4	1.17	0.72
NVNT	a	5200	76.45	1.17	0.72
NVNT	a	5240	76.45	1.17	0.72
NVNT	n20	5180	92.34	0.35	0.19
NVNT	n20	5200	92.34	0.35	0.19
NVNT	n20	5240	92.32	0.35	0.19
NVNT	n40	5190	92.1	0.36	0.2
NVNT	n40	5230	92.1	0.36	0.2
NVNT	ac20	5180	85.86	0.66	0.38
NVNT	ac20	5200	85.86	0.66	0.38
NVNT	ac20	5240	85.9	0.66	0.38
NVNT	ac40	5190	85.5	0.68	0.4
NVNT	ac40	5230	85.5	0.68	0.4
NVNT	ac80	5210	84.45	0.73	0.43
NVNT	ax20	5180	82.49	0.84	0.49
NVNT	ax20	5200	82.49	0.84	0.49
NVNT	ax20	5240	82.49	0.84	0.49
NVNT	ax40	5190	82.45	0.84	0.49
NVNT	ax40	5230	82.49	0.84	0.49
NVNT	ax80	5210	81.81	0.87	0.52
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	33.28	4.78	4.59

ANT A

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	82.52	0.83	0.49
NVNT	n20	5260	92.32	0.35	0.19
NVNT	n20	5280	92.34	0.35	0.19
NVNT	n20	5320	92.32	0.35	0.19
NVNT	n40	5270	92.1	0.36	0.2
NVNT	n40	5310	92.1	0.36	0.2
NVNT	ac20	5260	85.86	0.66	0.38
NVNT	ac20	5280	85.9	0.66	0.38
NVNT	ac20	5320	85.86	0.66	0.38
NVNT	ac40	5270	85.5	0.68	0.4
NVNT	ac40	5310	85.49	0.68	0.4
NVNT	ac80	5290	84.45	0.73	0.43
NVNT	ax20	5260	82.49	0.84	0.49
NVNT	ax20	5280	82.49	0.84	0.49
NVNT	ax20	5320	82.49	0.84	0.49
NVNT	ax40	5270	82.49	0.84	0.49
NVNT	ax40	5310	82.49	0.84	0.49
NVNT	ax80	5290	81.85	0.87	0.52
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	46.77	3.3	2.65
NVNT	be80	5290	34.95	4.57	4.35

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	76.4	1.17	0.72
NVNT	a	5280	76.45	1.17	0.72
NVNT	a	5320	76.4	1.17	0.72
NVNT	n20	5260	92.33	0.35	0.19
NVNT	n20	5280	92.34	0.35	0.19
NVNT	n20	5320	92.32	0.35	0.19
NVNT	n40	5270	92.08	0.36	0.2
NVNT	n40	5310	92.08	0.36	0.2
NVNT	ac20	5260	85.86	0.66	0.38
NVNT	ac20	5280	85.87	0.66	0.38
NVNT	ac20	5320	85.9	0.66	0.38
NVNT	ac40	5270	85.46	0.68	0.4
NVNT	ac40	5310	85.5	0.68	0.4
NVNT	ac80	5290	84.45	0.73	0.43
NVNT	ax20	5260	82.49	0.84	0.49
NVNT	ax20	5280	82.49	0.84	0.49
NVNT	ax20	5320	82.45	0.84	0.5
NVNT	ax40	5270	82.49	0.84	0.49
NVNT	ax40	5310	82.49	0.84	0.49
NVNT	ax80	5290	81.85	0.87	0.52
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	0	0	∞
NVNT	be40	5310	12.5	9.03	1000
NVNT	be80	5290	33.59	4.74	4.52

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	76.4	1.17	0.72
NVNT	a	5580	76.4	1.17	0.72
NVNT	a	5700	76.45	1.17	0.72
NVNT	n20	5500	99.75	0.01	0.19
NVNT	n20	5580	92.32	0.35	0.19
NVNT	n20	5700	92.32	0.35	0.19
NVNT	n40	5510	92.1	0.36	0.2
NVNT	n40	5550	92.08	0.36	0.2
NVNT	n40	5670	92.08	0.36	0.2
NVNT	ac20	5500	85.86	0.66	0.38
NVNT	ac20	5580	85.86	0.66	0.38
NVNT	ac20	5700	85.86	0.66	0.38
NVNT	ac40	5510	85.46	0.68	0.4
NVNT	ac40	5550	85.5	0.68	0.4
NVNT	ac40	5670	85.46	0.68	0.4
NVNT	ac80	5530	84.45	0.73	0.43
NVNT	ax20	5500	82.49	0.84	0.49
NVNT	ax20	5580	82.45	0.84	0.5
NVNT	ax20	5700	82.46	0.84	0.49
NVNT	ax40	5510	82.49	0.84	0.49
NVNT	ax40	5550	82.49	0.84	0.49
NVNT	ax40	5670	82.49	0.84	0.49
NVNT	ax80	5530	81.85	0.87	0.52
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	46.77	3.3	2.65
NVNT	be40	5550	46.77	3.3	2.65
NVNT	be40	5670	46.63	3.31	2.67
NVNT	be80	5530	34.8	4.58	4.37

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	76.45	1.17	0.72
NVNT	a	5580	76.45	1.17	0.72
NVNT	a	5700	76.45	1.17	0.72
NVNT	n20	5500	92.34	0.35	0.19
NVNT	n20	5580	92.32	0.35	0.19
NVNT	n20	5700	92.34	0.35	0.19
NVNT	n40	5510	92.1	0.36	0.2
NVNT	n40	5550	92.08	0.36	0.2
NVNT	n40	5670	92.08	0.36	0.2
NVNT	ac20	5500	85.9	0.66	0.38
NVNT	ac20	5580	85.86	0.66	0.38
NVNT	ac20	5700	85.9	0.66	0.38
NVNT	ac40	5510	85.5	0.68	0.4
NVNT	ac40	5550	85.46	0.68	0.4
NVNT	ac40	5670	85.46	0.68	0.4
NVNT	ac80	5530	84.45	0.73	0.43
NVNT	ax20	5500	82.49	0.84	0.49
NVNT	ax20	5580	82.49	0.84	0.49
NVNT	ax20	5700	82.49	0.84	0.49
NVNT	ax40	5510	82.49	0.84	0.49
NVNT	ax40	5550	82.49	0.84	0.49
NVNT	ax40	5670	82.49	0.84	0.49
NVNT	ax80	5530	81.85	0.87	0.52
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	45.18	3.45	2.77
NVNT	be40	5550	46.77	3.3	2.65
NVNT	be40	5670	46.9	3.29	2.65
NVNT	be80	5530	34.95	4.57	4.35

ANT A

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	76.4	1.17	0.72
NVNT	a	5785	76.45	1.17	0.72
NVNT	a	5825	76.4	1.17	0.72
NVNT	n20	5745	92.32	0.35	0.19
NVNT	n20	5785	92.34	0.35	0.19
NVNT	n20	5825	92.34	0.35	0.19
NVNT	n40	5755	92.08	0.36	0.2
NVNT	n40	5795	92.08	0.36	0.2
NVNT	ac20	5745	85.86	0.66	0.38
NVNT	ac20	5785	85.86	0.66	0.38
NVNT	ac20	5825	85.86	0.66	0.38
NVNT	ac40	5755	85.46	0.68	0.4
NVNT	ac40	5795	85.5	0.68	0.4
NVNT	ac80	5775	84.48	0.73	0.43
NVNT	ax20	5745	82.45	0.84	0.5
NVNT	ax20	5785	82.45	0.84	0.5
NVNT	ax20	5825	82.49	0.84	0.49
NVNT	ax40	5755	82.49	0.84	0.49
NVNT	ax40	5795	82.49	0.84	0.49
NVNT	ax80	5775	81.85	0.87	0.52
NVNT	be20	5745	60.5	2.18	1.52
NVNT	be20	5785	60.41	2.19	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	34.8	4.58	4.37

ANT B

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	76.45	1.17	0.72
NVNT	a	5785	76.4	1.17	0.72
NVNT	a	5825	76.4	1.17	0.72
NVNT	n20	5745	92.32	0.35	0.19
NVNT	n20	5785	92.32	0.35	0.19
NVNT	n20	5825	92.34	0.35	0.19
NVNT	n40	5755	92.1	0.36	0.2
NVNT	n40	5795	92.08	0.36	0.2
NVNT	ac20	5745	85.9	0.66	0.38
NVNT	ac20	5785	85.9	0.66	0.38
NVNT	ac20	5825	85.9	0.66	0.38
NVNT	ac40	5755	85.46	0.68	0.4
NVNT	ac40	5795	85.5	0.68	0.4
NVNT	ac80	5775	84.42	0.74	0.43
NVNT	ax20	5745	82.55	0.83	0.5
NVNT	ax20	5785	82.45	0.84	0.5
NVNT	ax20	5825	82.45	0.84	0.5
NVNT	ax40	5755	82.49	0.84	0.49
NVNT	ax40	5795	82.49	0.84	0.49
NVNT	ax80	5775	81.81	0.87	0.52
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	45.18	3.45	2.77
NVNT	be40	5795	46.77	3.3	2.65
NVNT	be80	5775	34.46	4.63	4.44

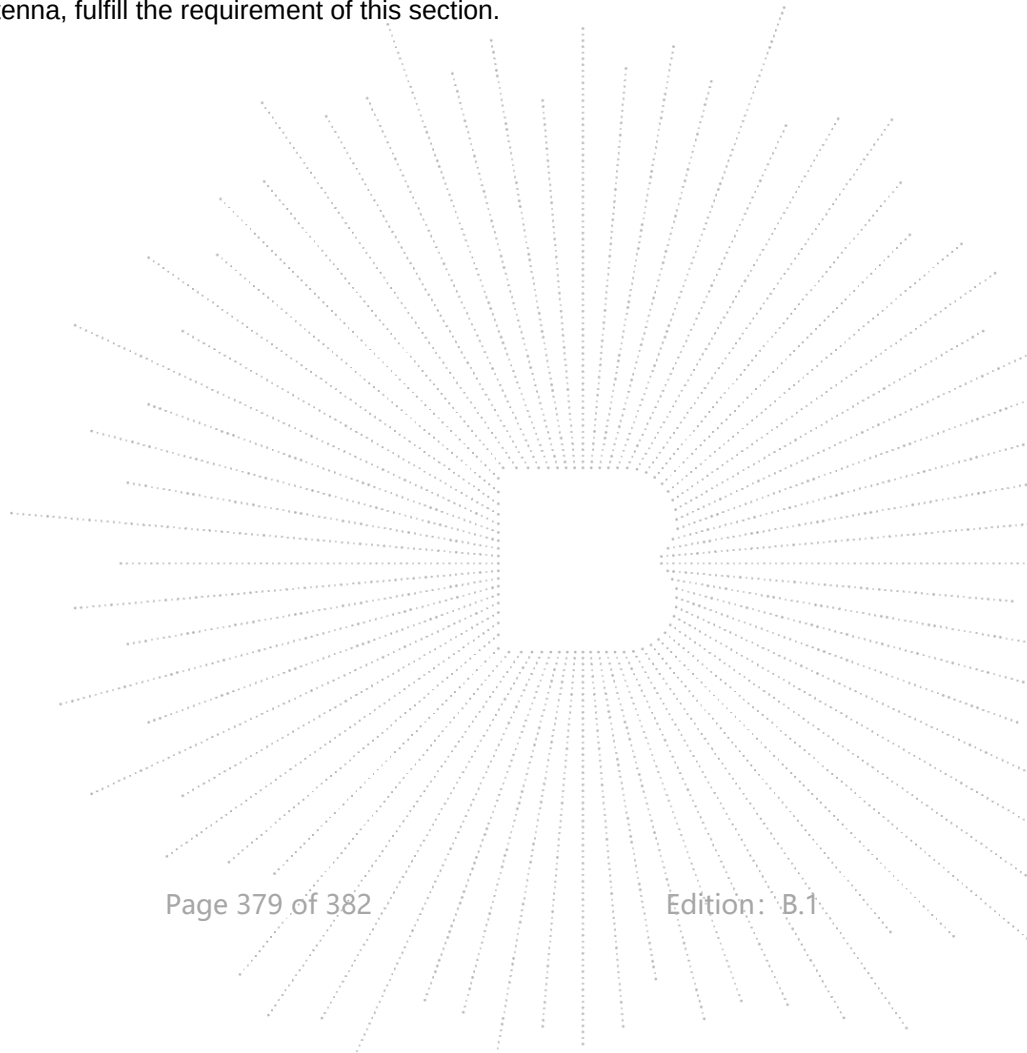
15. Antenna Requirement

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.

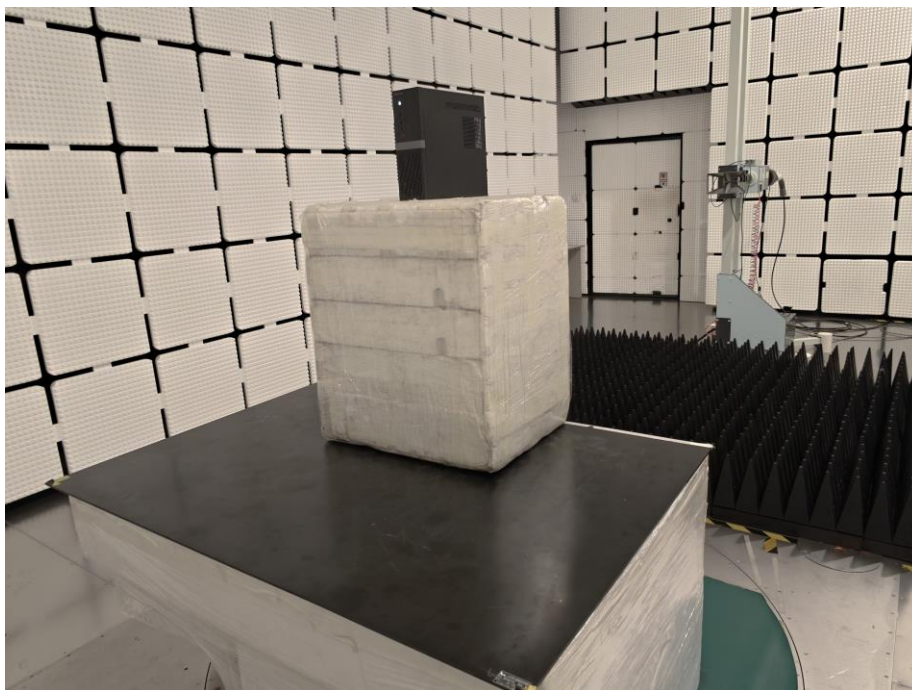


16. EUT Test Setup Photographs

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 *****