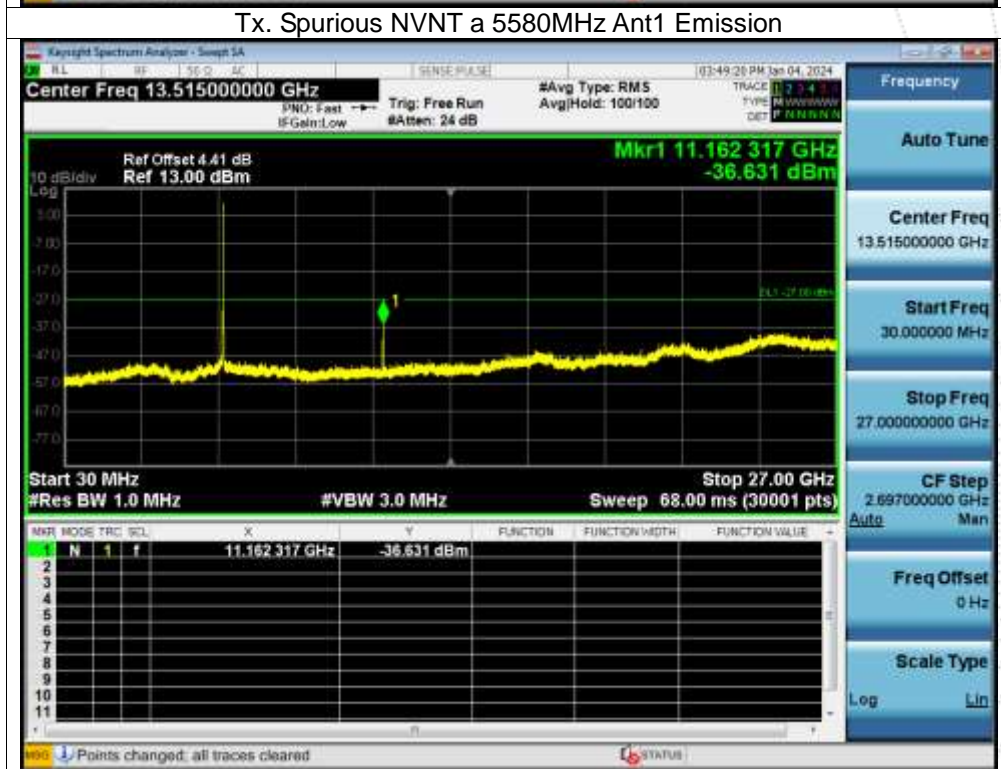
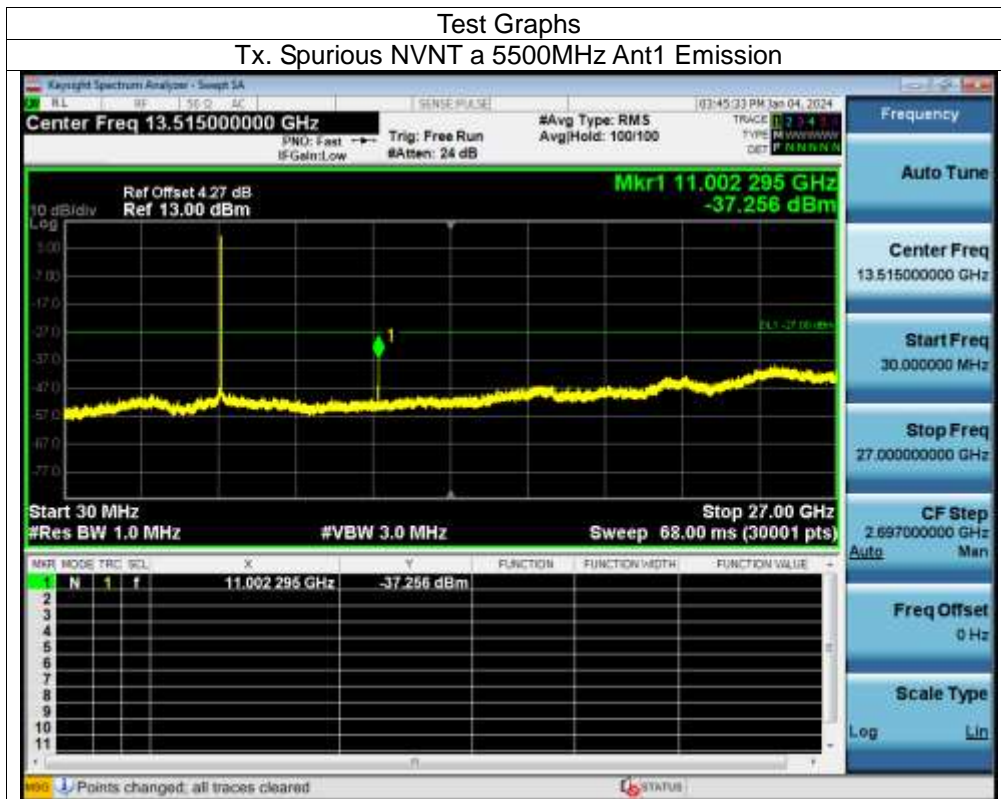
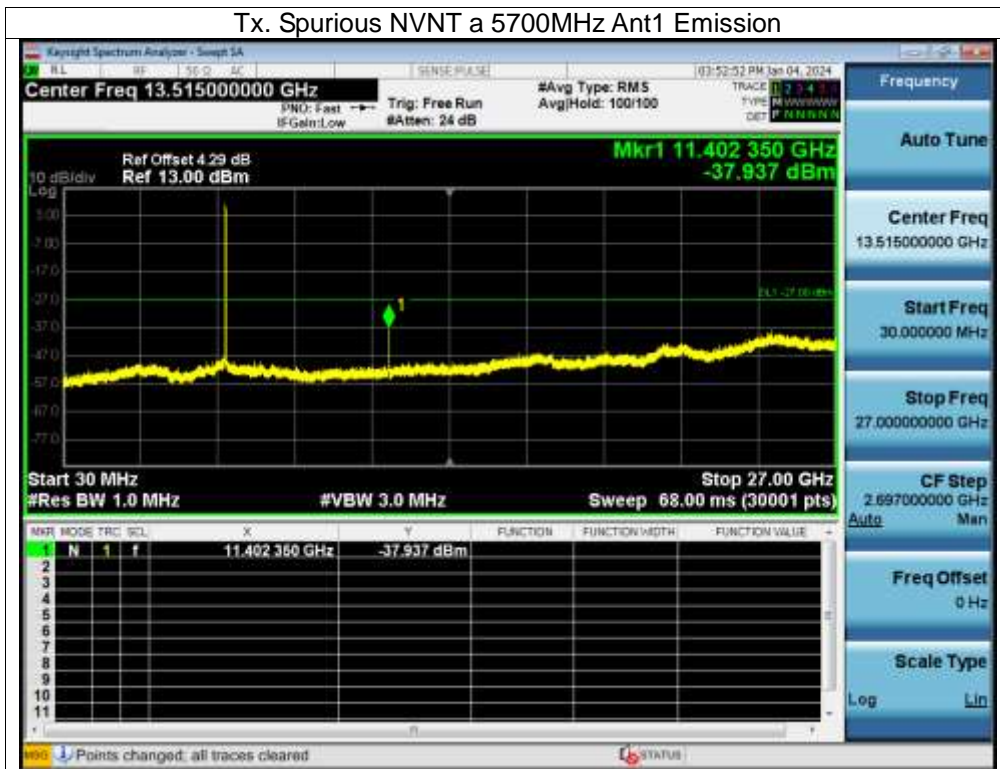


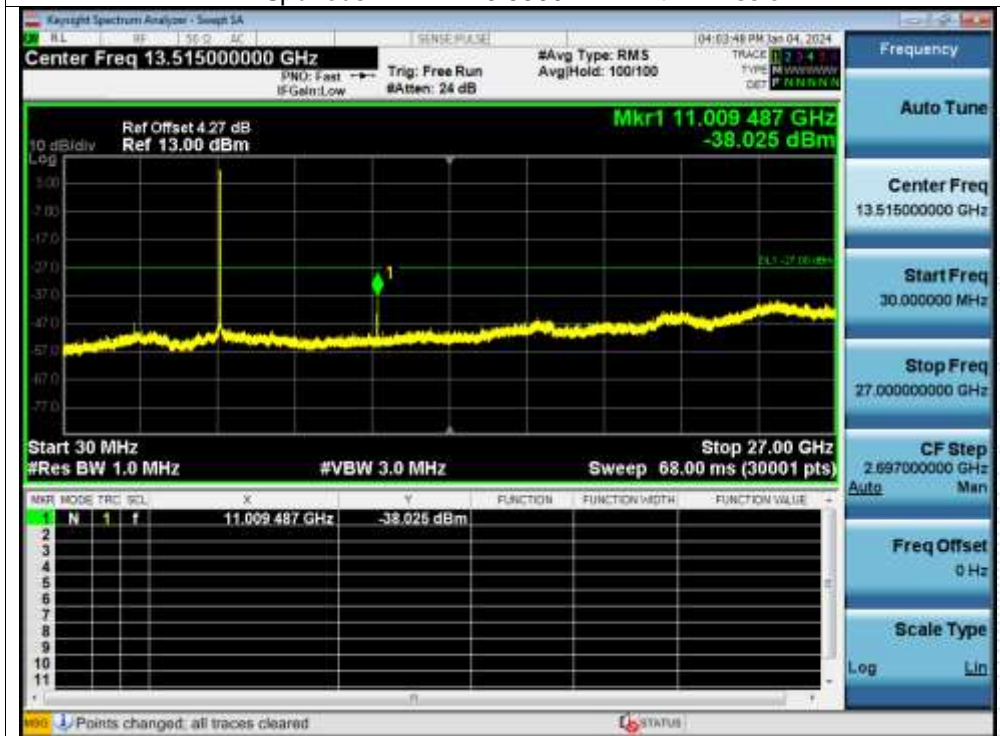
Test Mode:	5180-5240MHz
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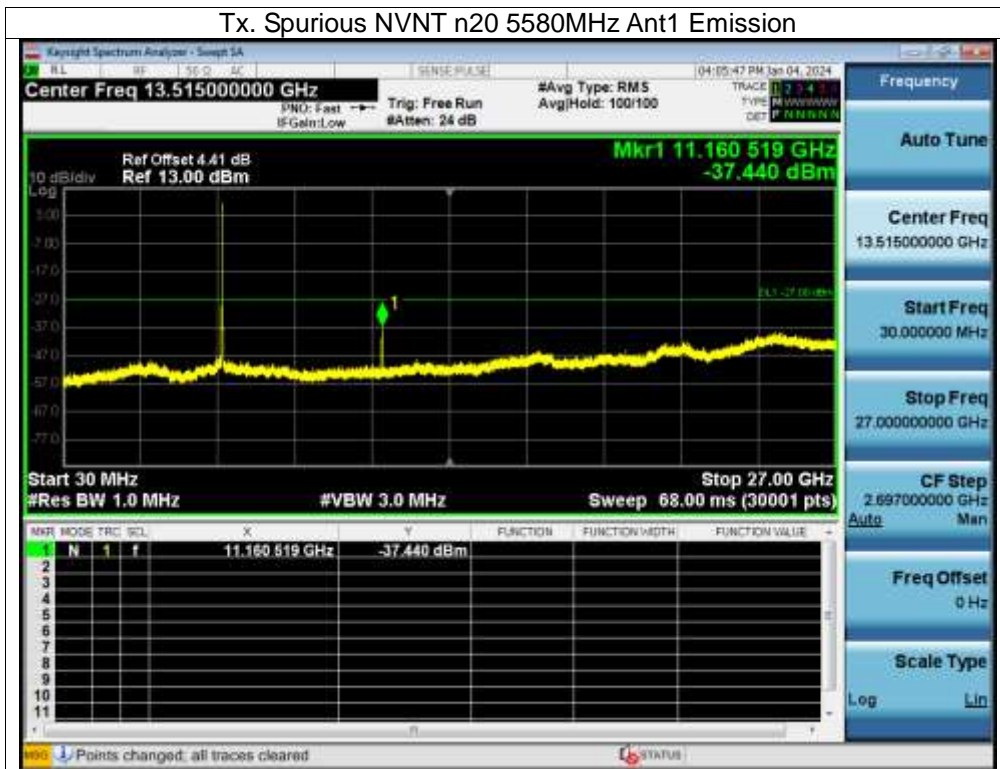
Tx. Spurious NVNT a 5700MHz Ant1 Emission



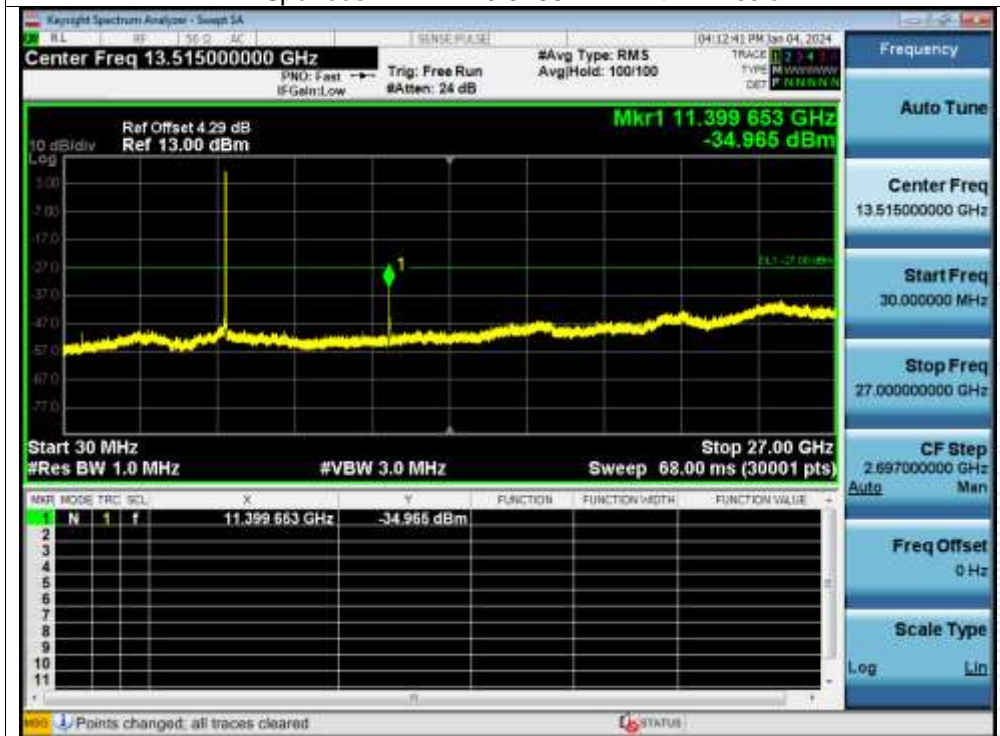
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



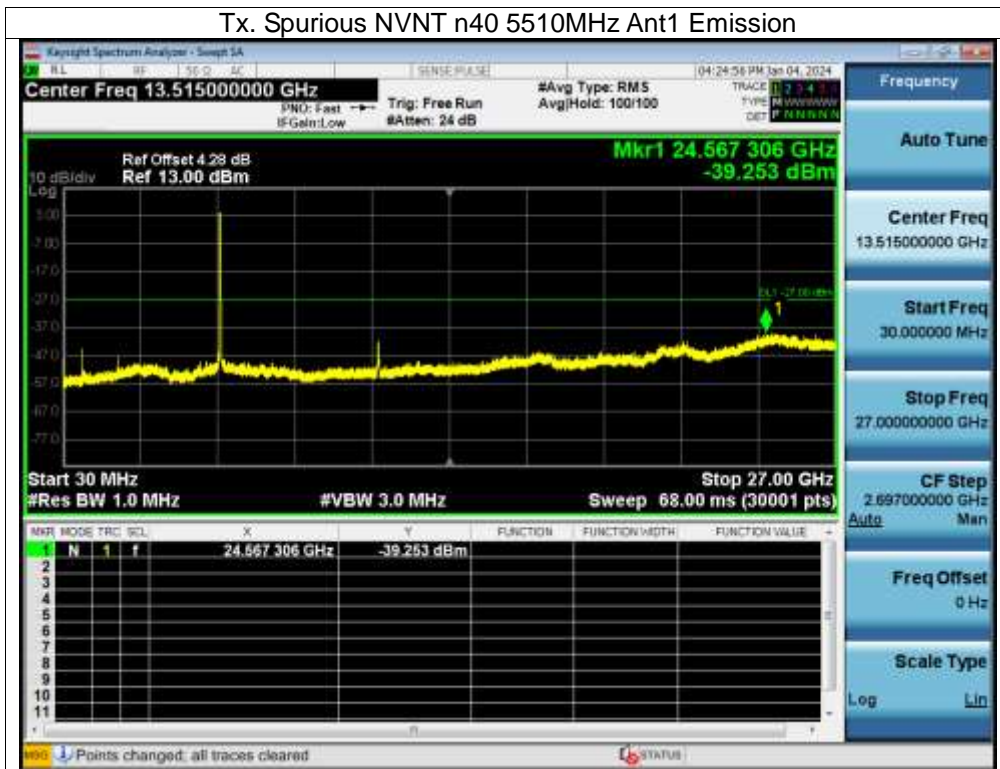
Tx. Spurious NVNT n20 5580MHz Ant1 Emission



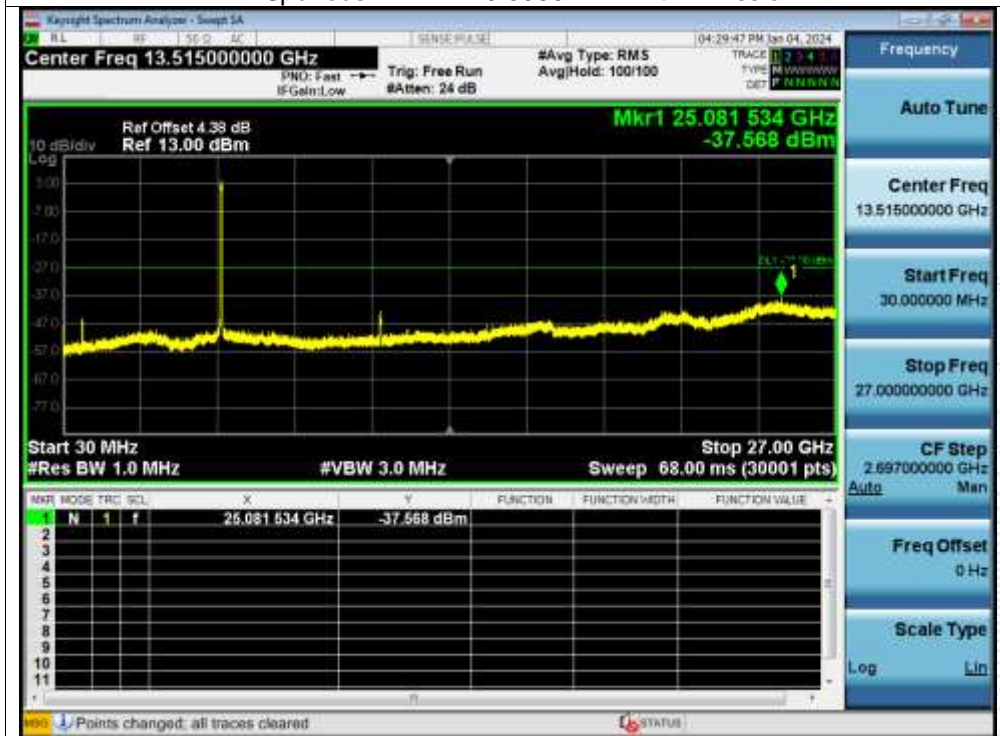
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



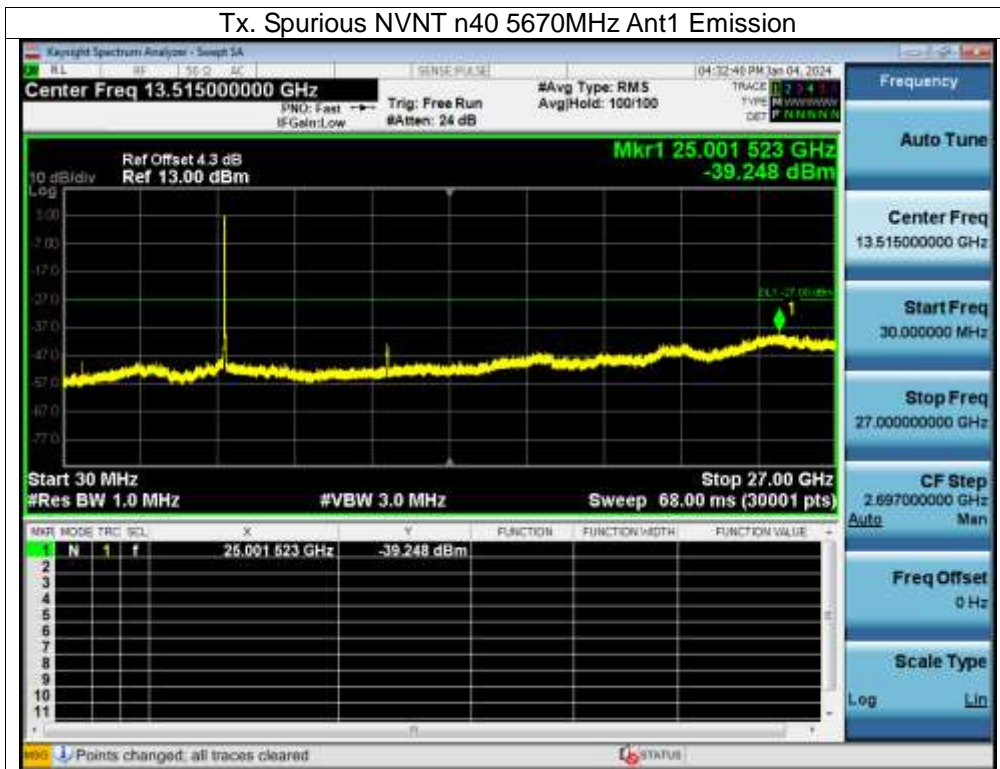
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



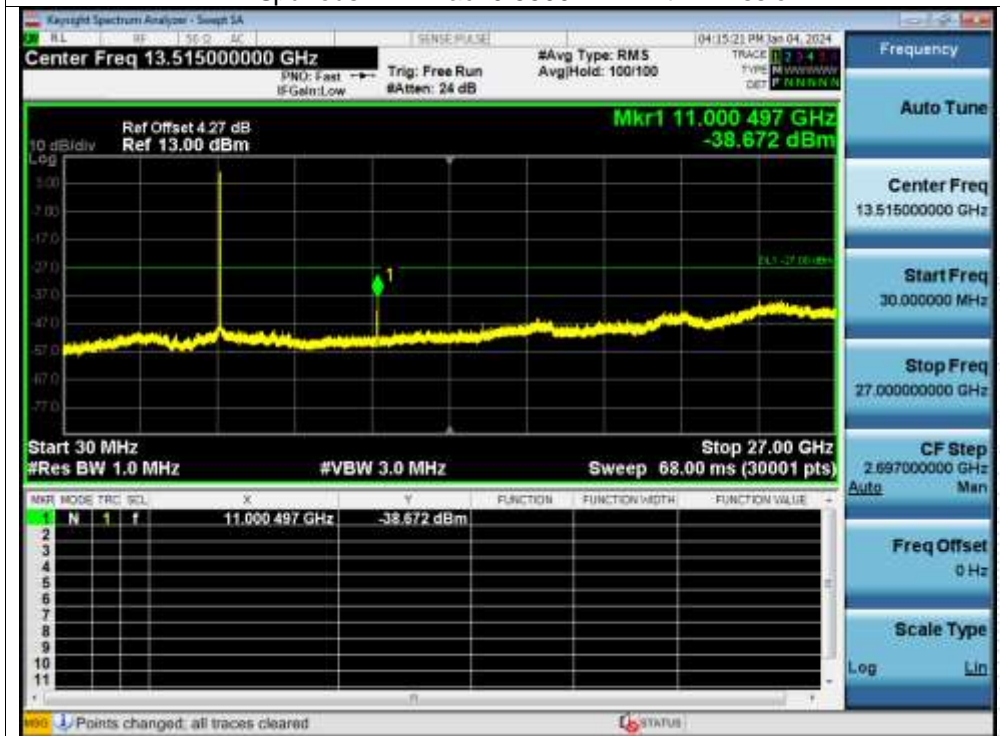
Tx. Spurious NVNT n40 5550MHz Ant1 Emission



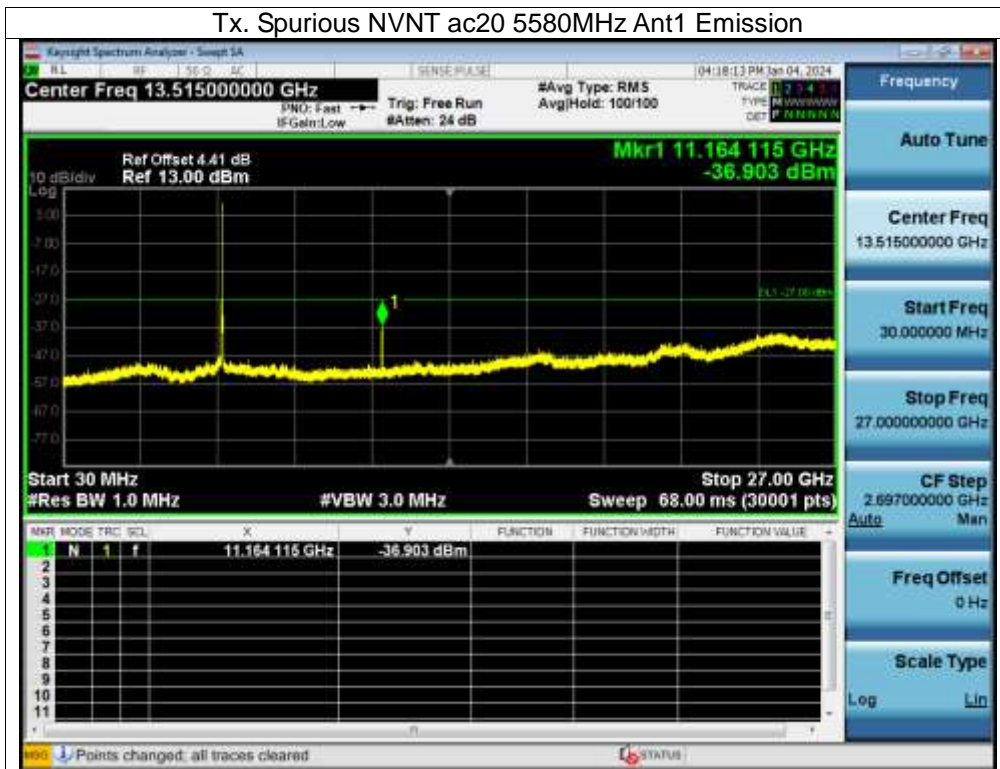
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



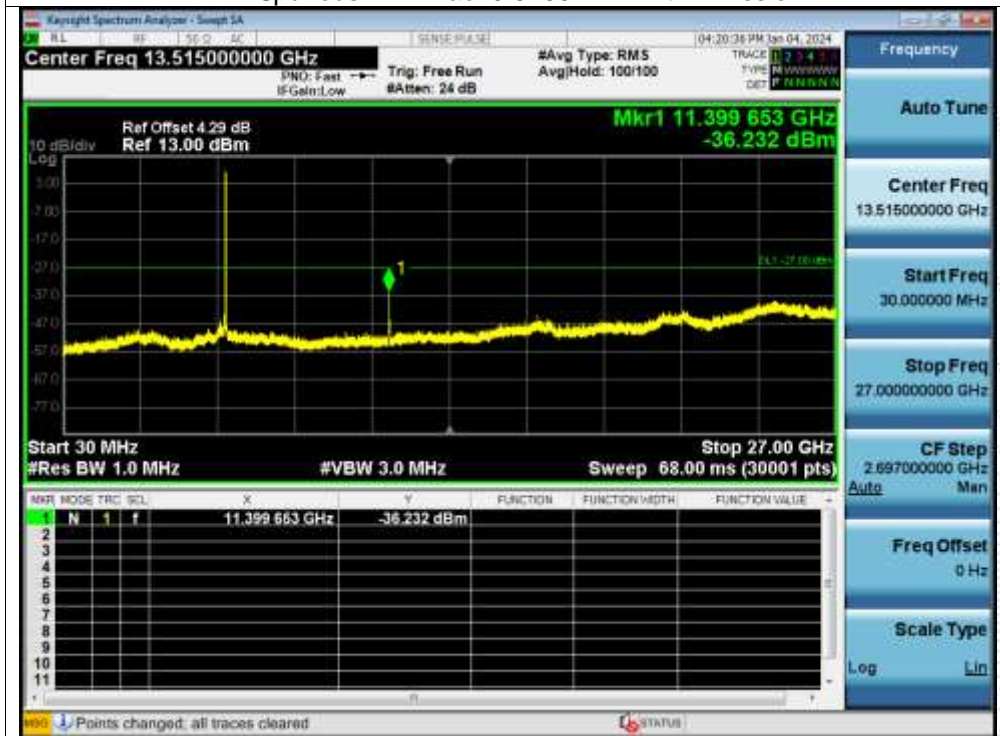
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission

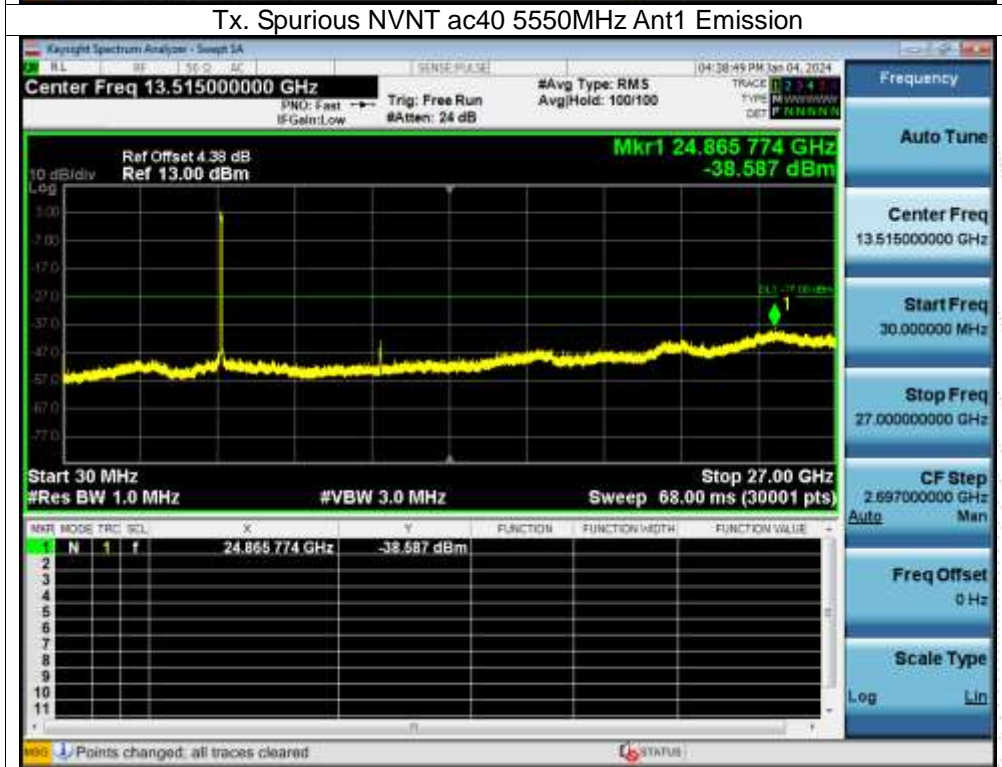
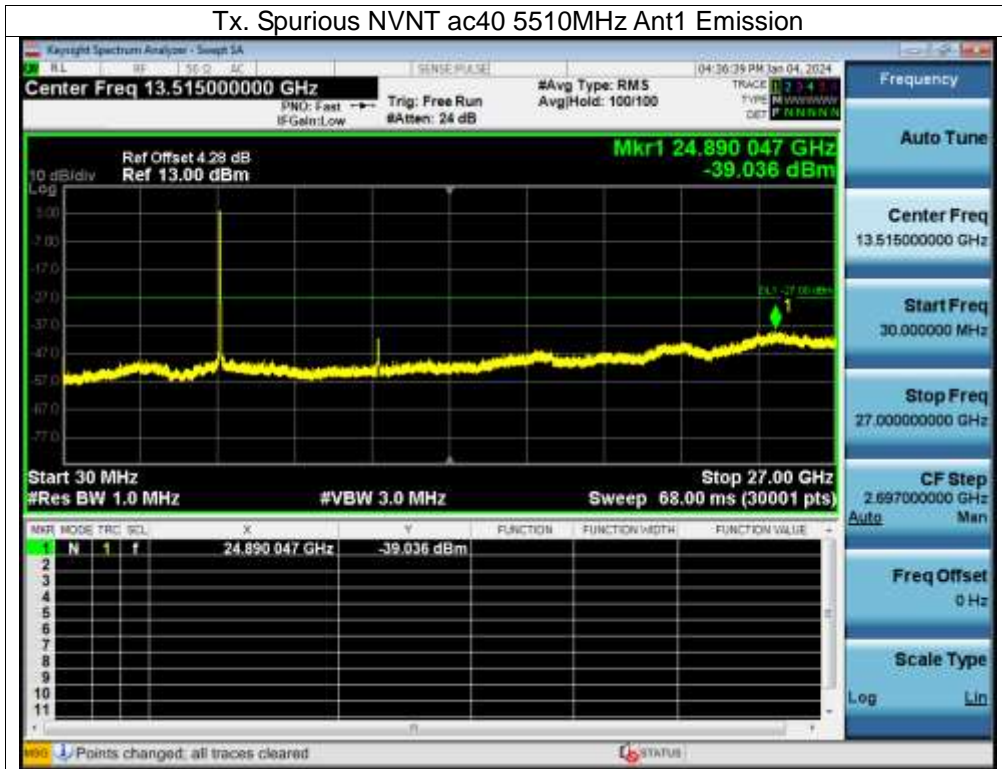


Tx. Spurious NVNT ac20 5580MHz Ant1 Emission

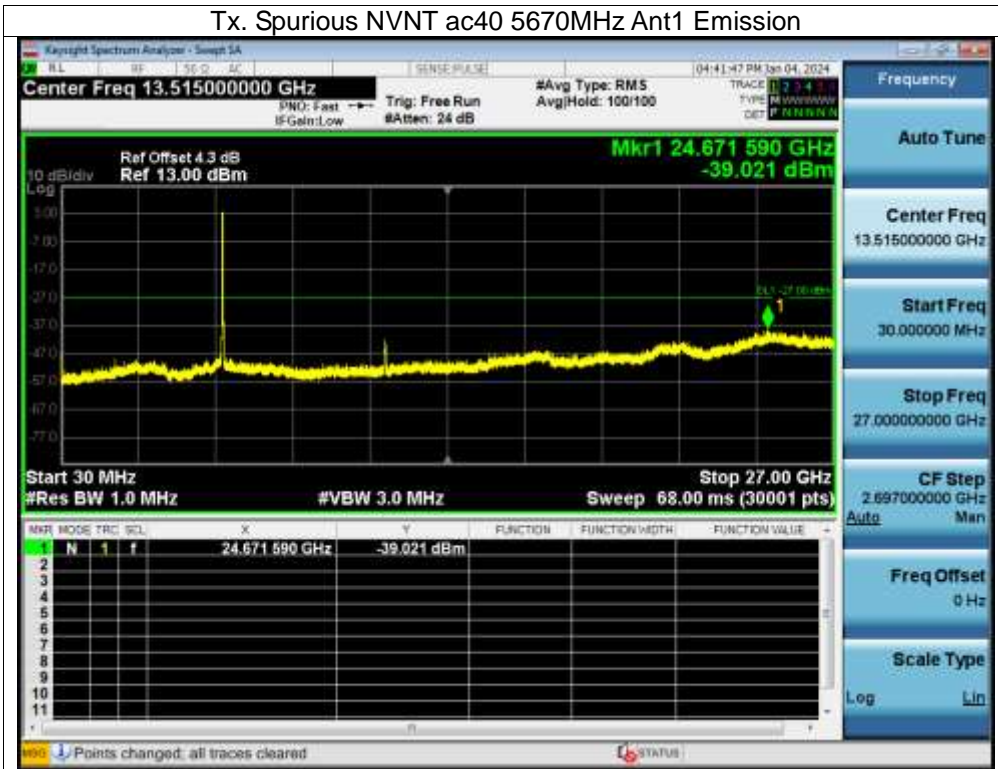


Tx. Spurious NVNT ac20 5700MHz Ant1 Emission

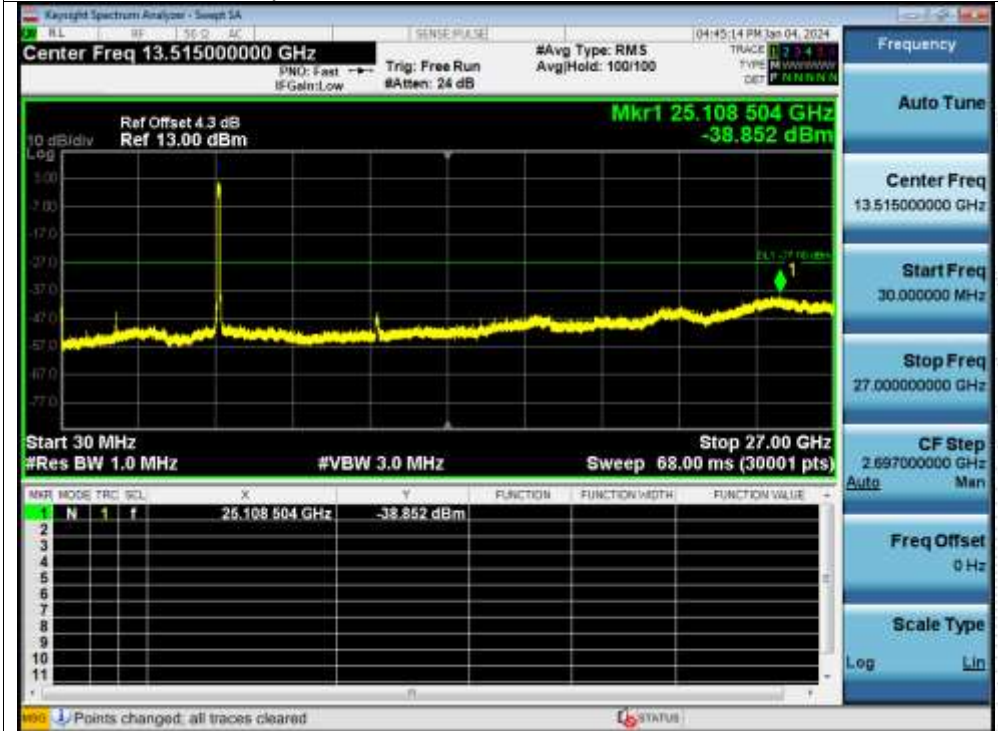




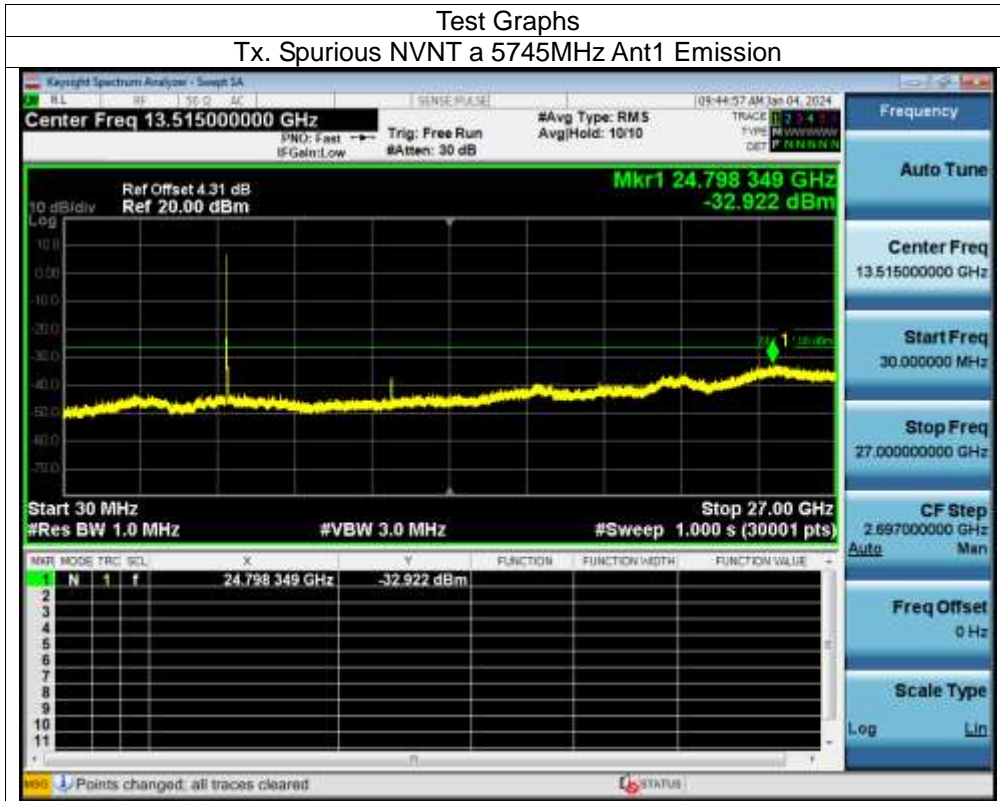
Tx. Spurious NVNT ac40 5670MHz Ant1 Emission

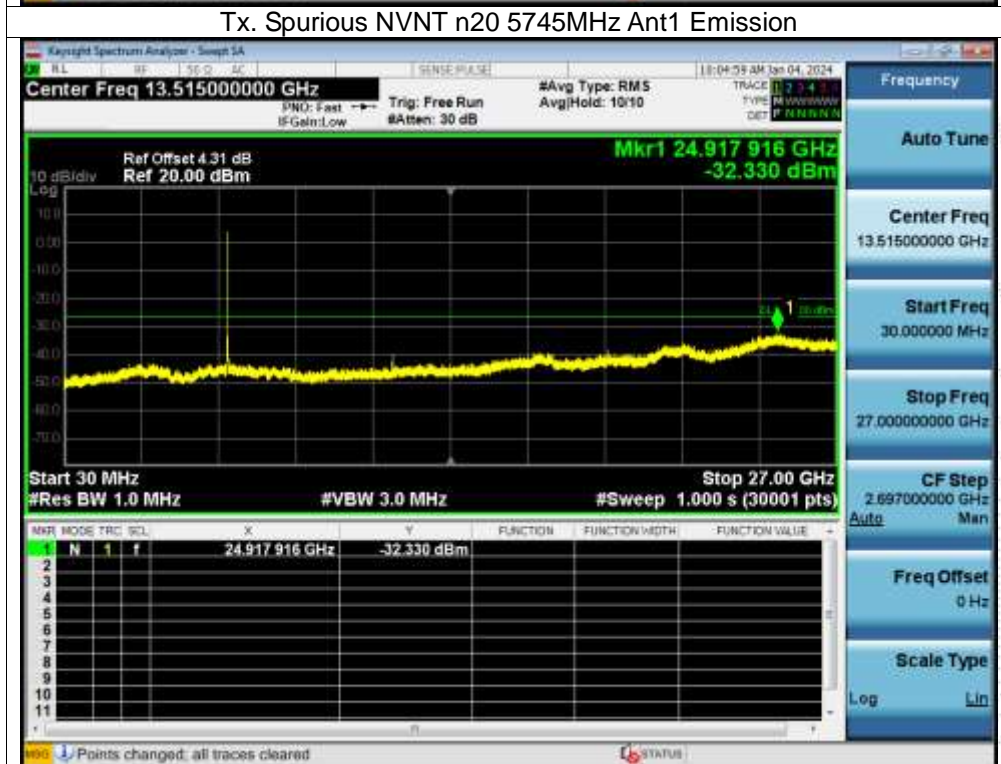
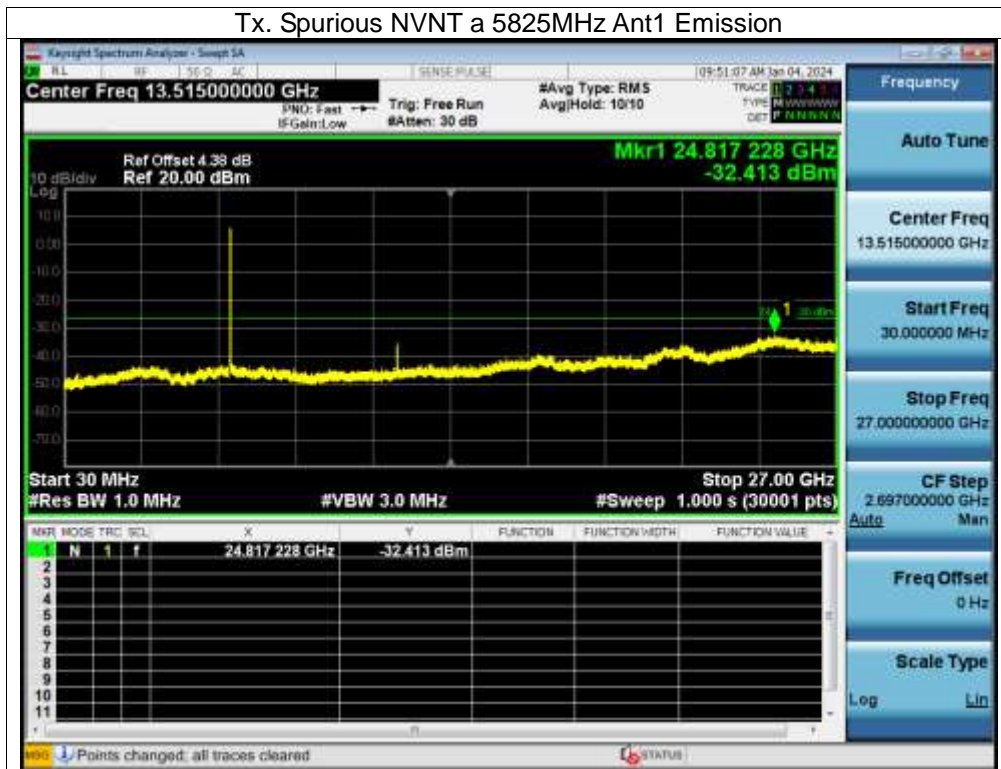


Tx. Spurious NVNT ac80 5530MHz Ant1 Emission

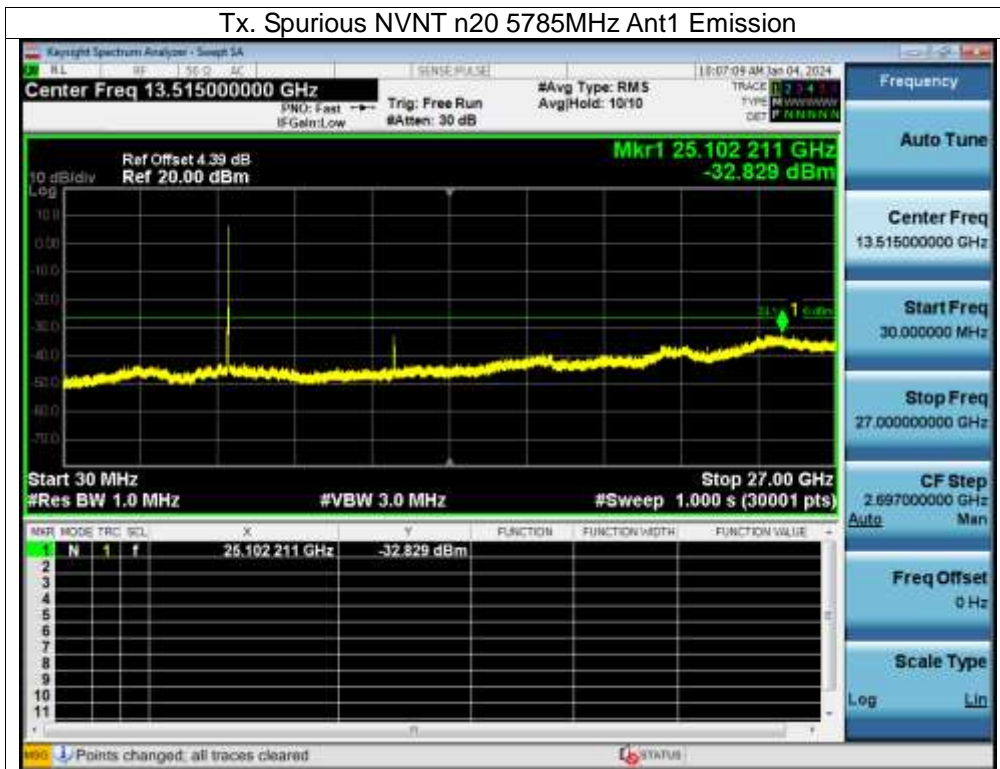


Test Mode:	5745-5825MHz
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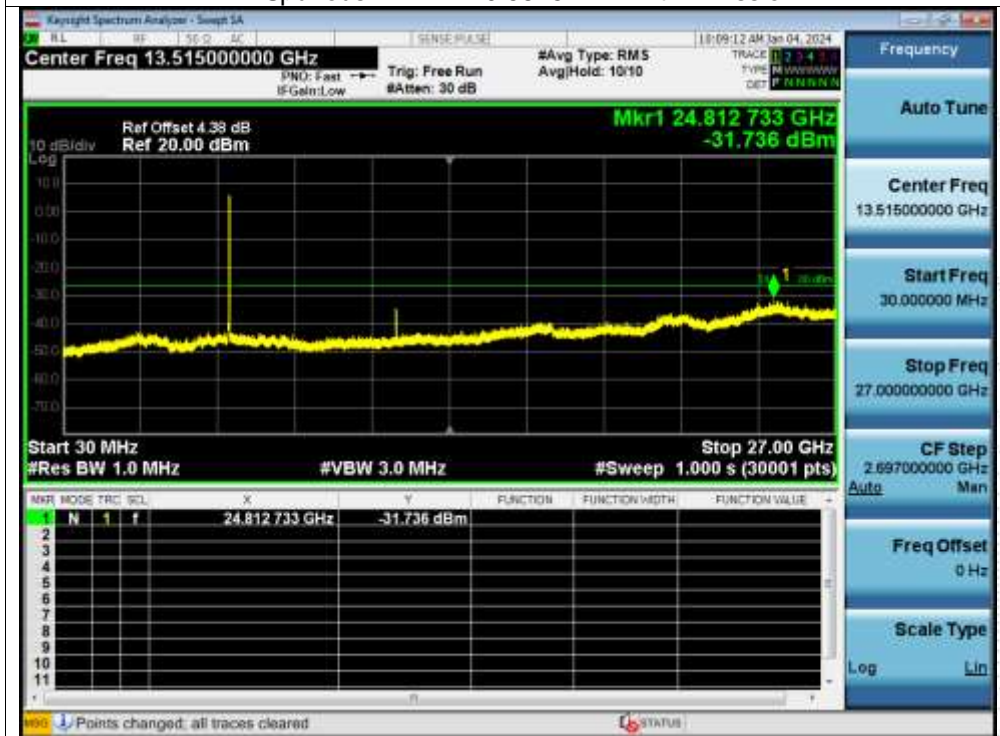




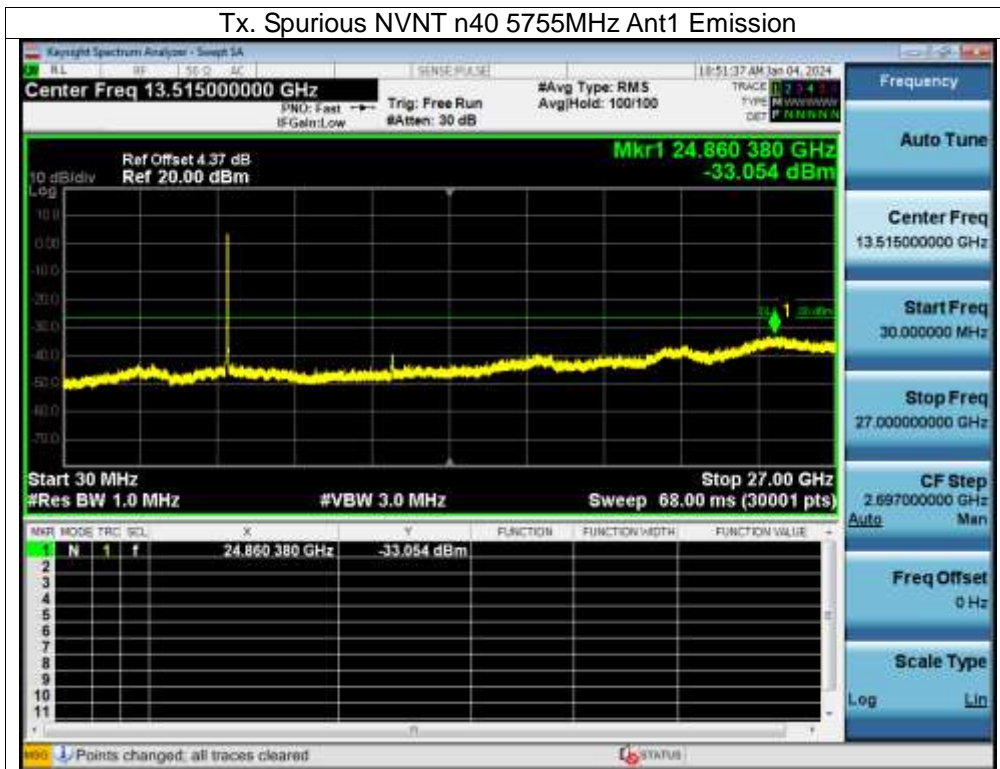
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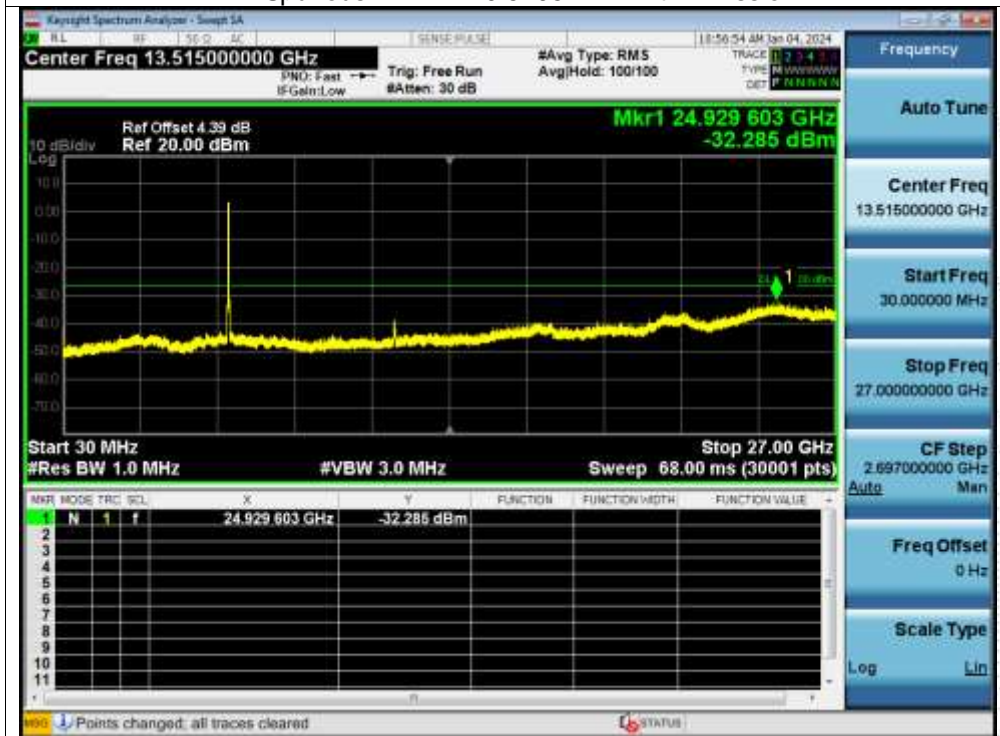
Tx. Spurious NVNT n20 5825MHz Ant1 Emission

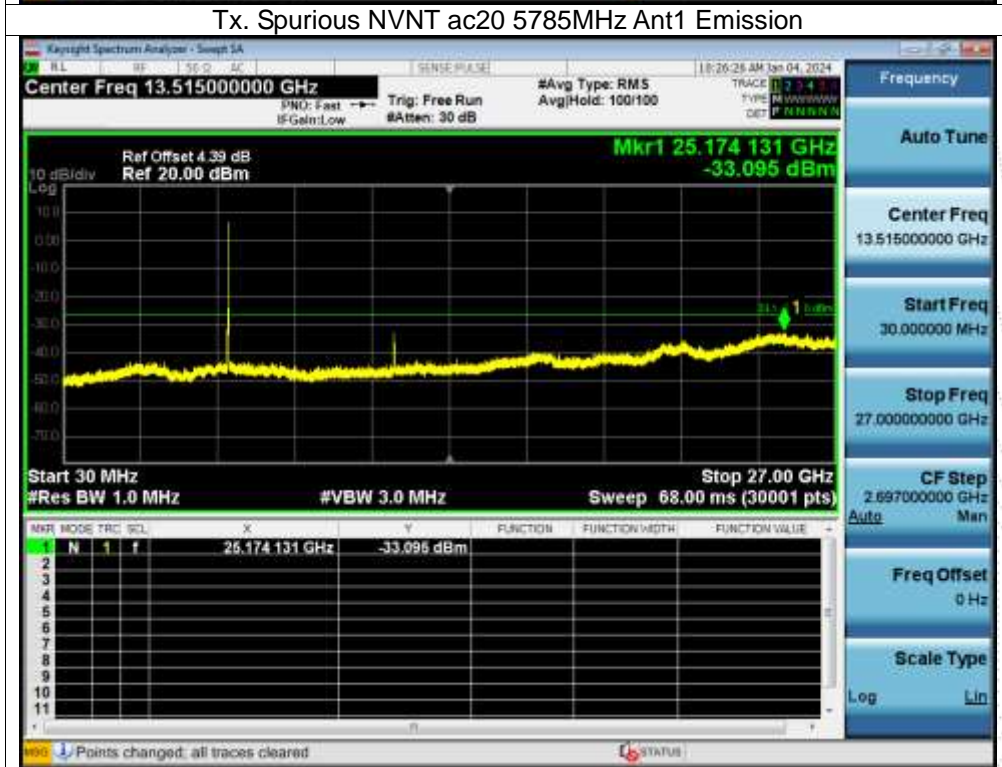
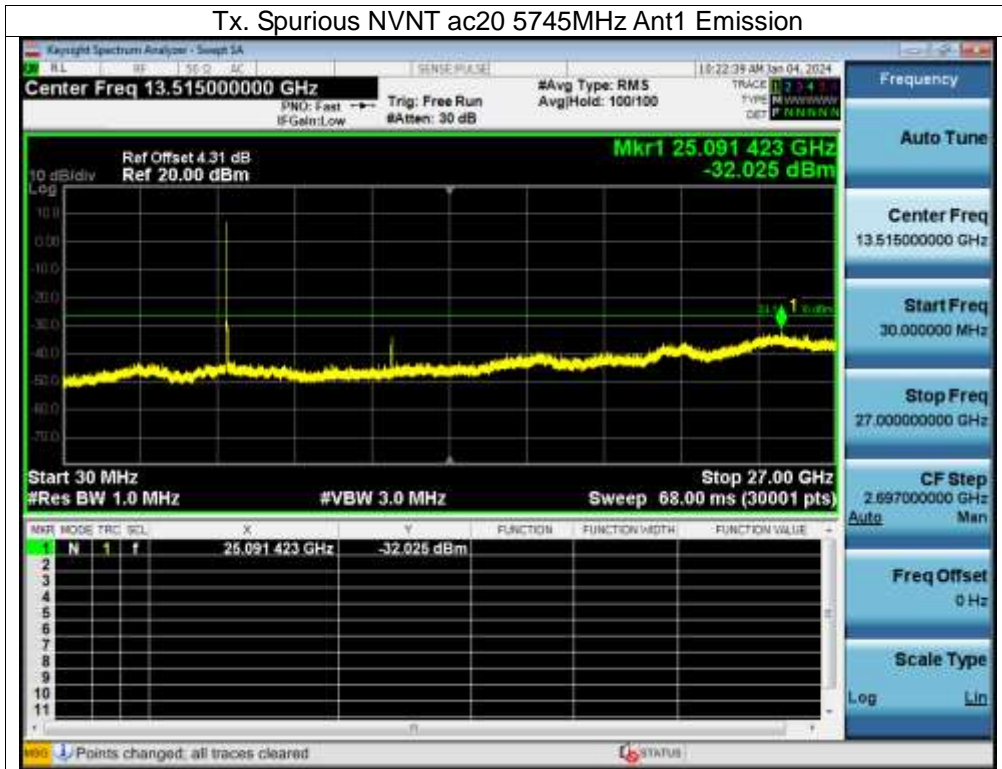


Tx. Spurious NVNT n40 5755MHz Ant1 Emission



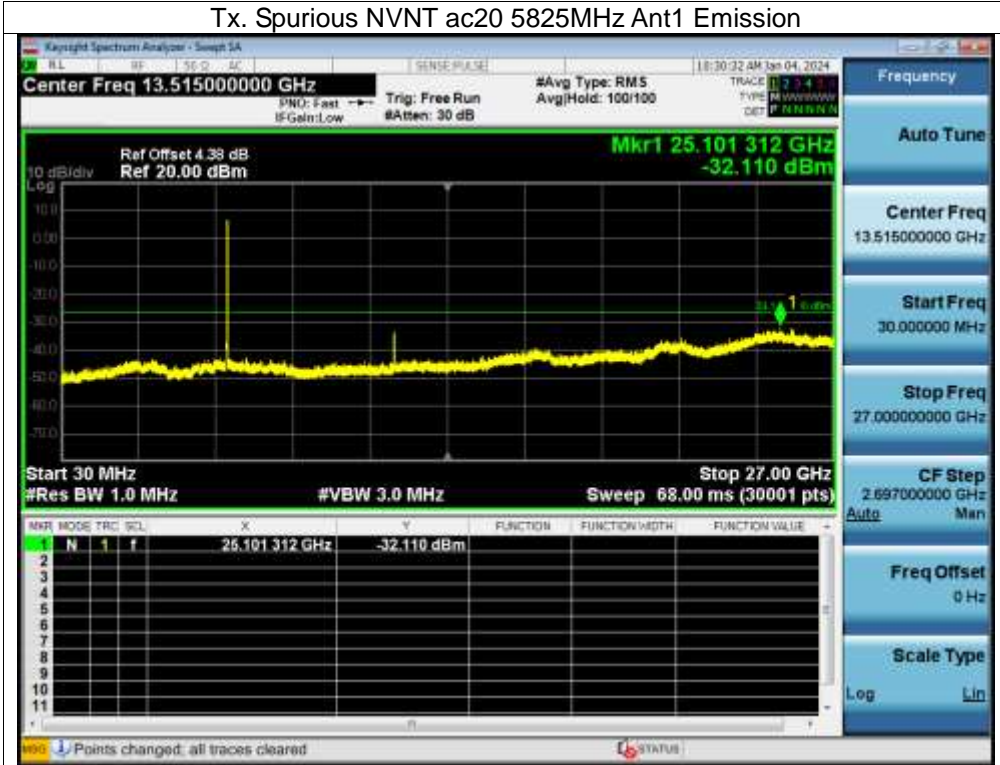
Tx. Spurious NVNT n40 5795MHz Ant1 Emission





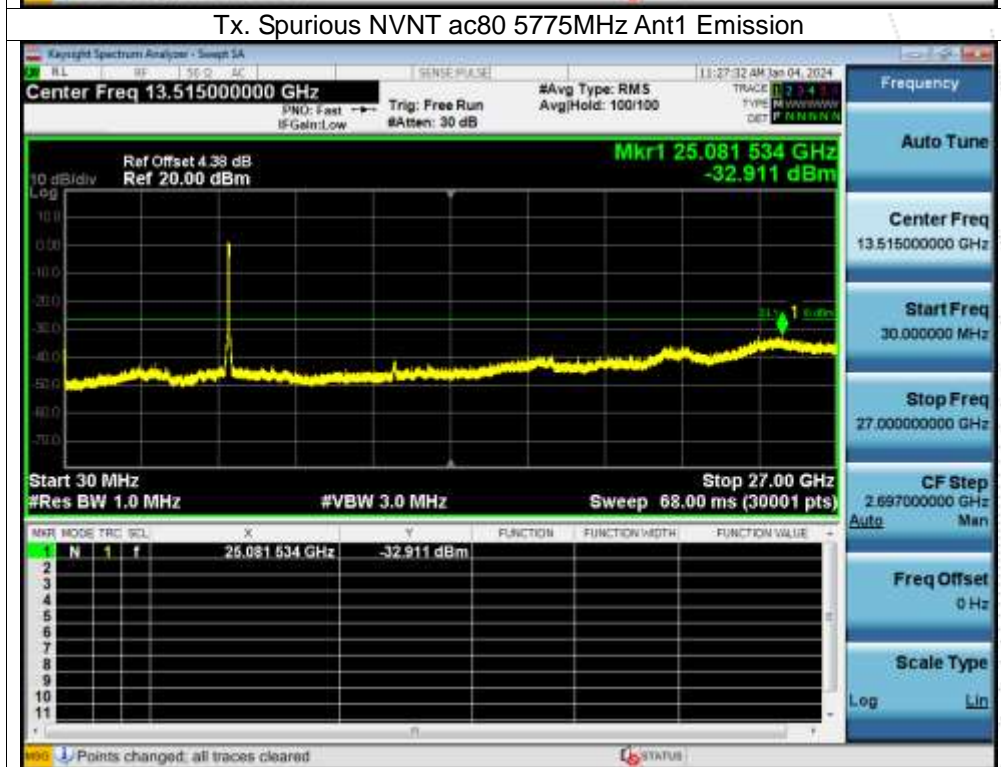
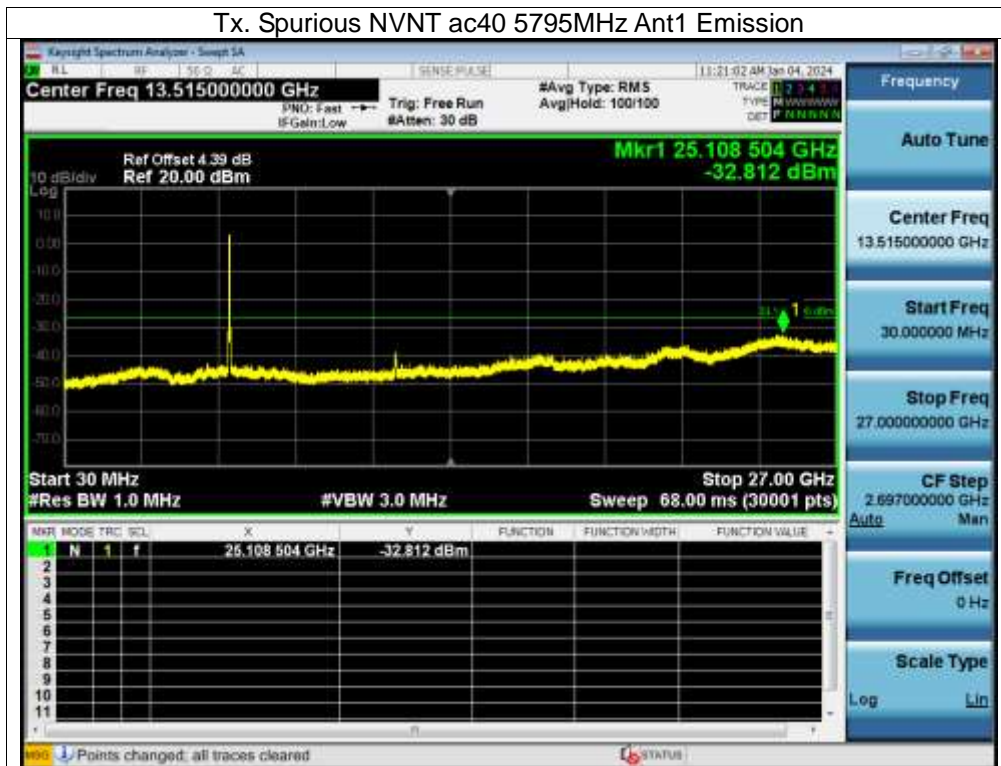


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission





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°C ~ 70°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	5180.0081	5180	0.0081	1.5703
		V max (V)	5.75	5180.0067	5180	0.0067	1.2935
		V min (V)	4.25	5180.0166	5180	0.0166	3.1953
Limits				5150-5250 MHz			
Result				Complies			

Temperature vs. Frequency Stability

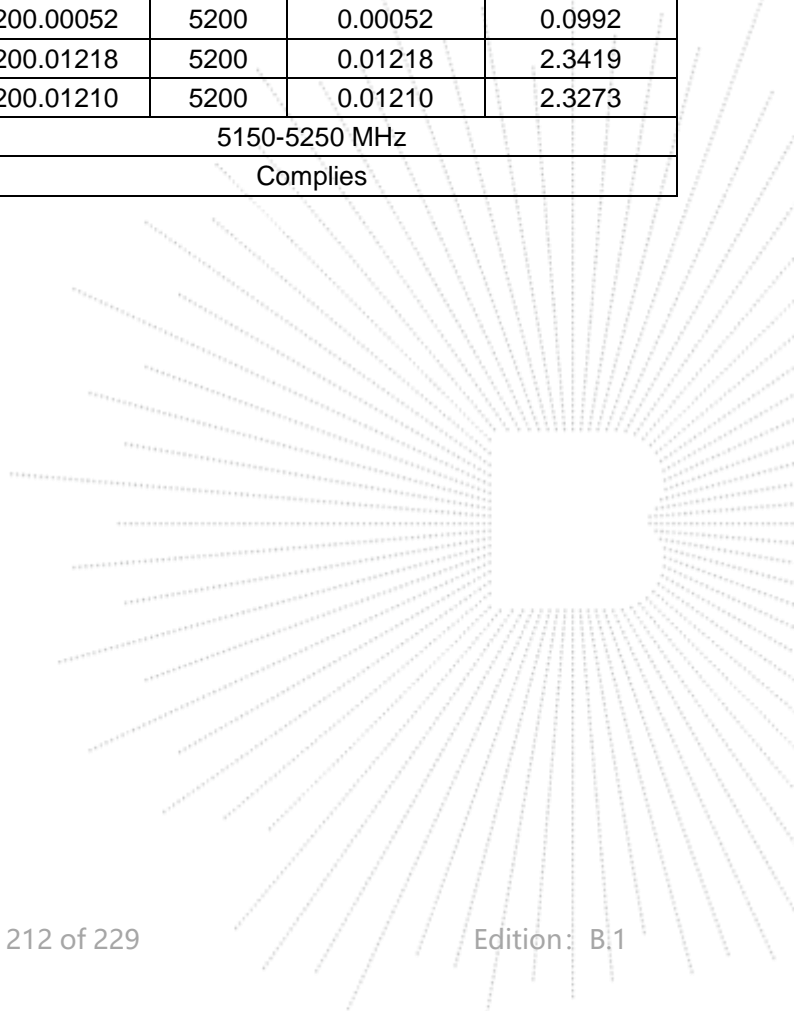
TEST CONDITIONS				Reference Frequency: 5180MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5180.0077	5180	0.0077	1.4948
		T (°C)	-10	5180.0008	5180	0.0008	0.1601
		T (°C)	0	5180.0031	5180	0.0031	0.5889
		T (°C)	10	5180.0035	5180	0.0035	0.6719
		T (°C)	20	5180.0031	5180	0.0031	0.6008
		T (°C)	30	5180.0020	5180	0.0020	0.3888
		T (°C)	40	5180.0013	5180	0.0013	0.2484
		T (°C)	50	5180.0017	5180	0.0017	0.3208
		T (°C)	60	5180.0032	5180	0.0032	0.6264
		T (°C)	70	5180.0008	5180	0.0008	0.1467
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	5200.0031	5200	0.0031	0.6014
		V max (V)	5.75	5200.0043	5200	0.0043	0.8333
		V min (V)	4.25	5200.0003	5200	0.0003	0.0600
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)	5	T (°C)	-20	5200.00277	5200	0.00277	0.5318
		T (°C)	-10	5200.00360	5200	0.00360	0.6924
		T (°C)	0	5200.00458	5200	0.00458	0.8799
		T (°C)	10	5200.01343	5200	0.01343	2.5833
		T (°C)	20	5200.01175	5200	0.01175	2.2604
		T (°C)	30	5200.00630	5200	0.00630	1.2118
		T (°C)	40	5200.00039	5200	0.00039	0.0750
		T (°C)	50	5200.00052	5200	0.00052	0.0992
		T (°C)	60	5200.01218	5200	0.01218	2.3419
		T (°C)	70	5200.01210	5200	0.01210	2.3273
Limits				5150-5250 MHz			
Result				Complies			

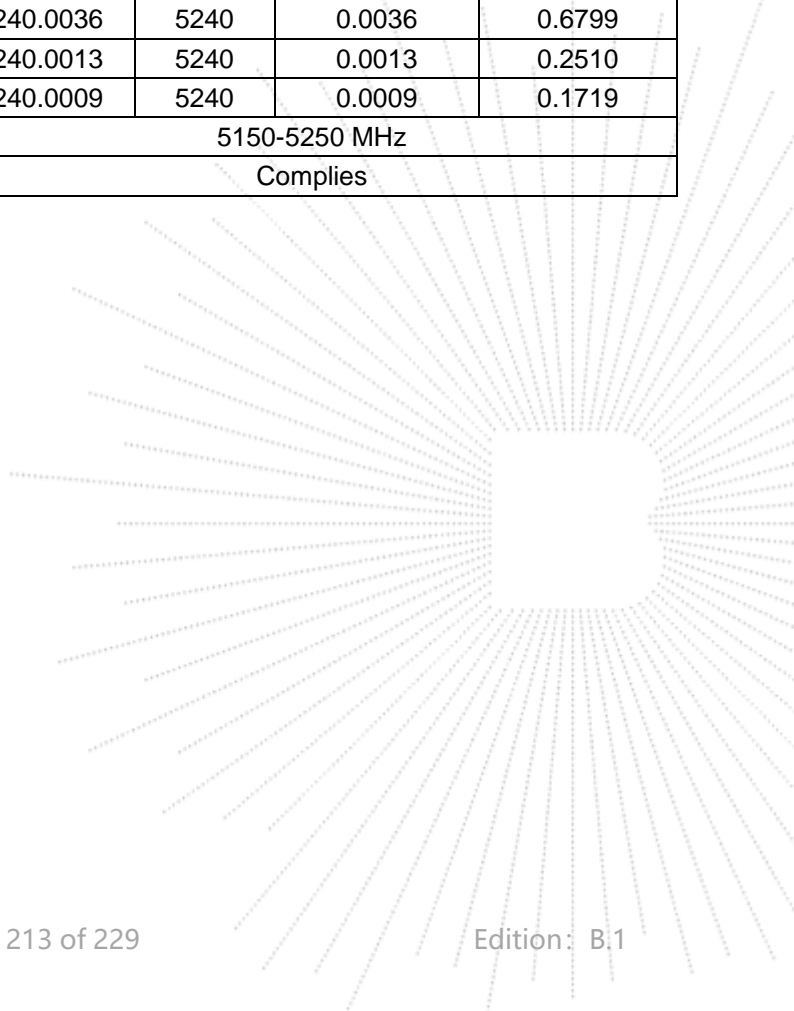


Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5240MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5240.0082	5240	0.0082	1.5563
		V max (V)	5.75	5240.0010	5240	0.0010	0.1880
		V min (V)	4.25	5240.0055	5240	0.0055	1.0505
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	5240.0061	5240	0.0061	1.1636
		T (°C)	-10	5240.0128	5240	0.0128	2.4351
		T (°C)	0	5240.0070	5240	0.0070	1.3438
		T (°C)	10	5240.0117	5240	0.0117	2.2290
		T (°C)	20	5240.0043	5240	0.0043	0.8230
		T (°C)	30	5240.0028	5240	0.0028	0.5375
		T (°C)	40	5240.0121	5240	0.0121	2.3169
		T (°C)	50	5240.0036	5240	0.0036	0.6799
		T (°C)	60	5240.0013	5240	0.0013	0.2510
		T (°C)	70	5240.0009	5240	0.0009	0.1719
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	5260.0145	5260	0.0145	2.7593
		V max (V)	5.75	5260.0202	5260	0.0202	3.8387
		V min (V)	4.25	5260.0058	5260	0.0058	1.1060
Limits				5250-5350 MHz			
Result				Complies			

Temperature vs. Frequency Stability

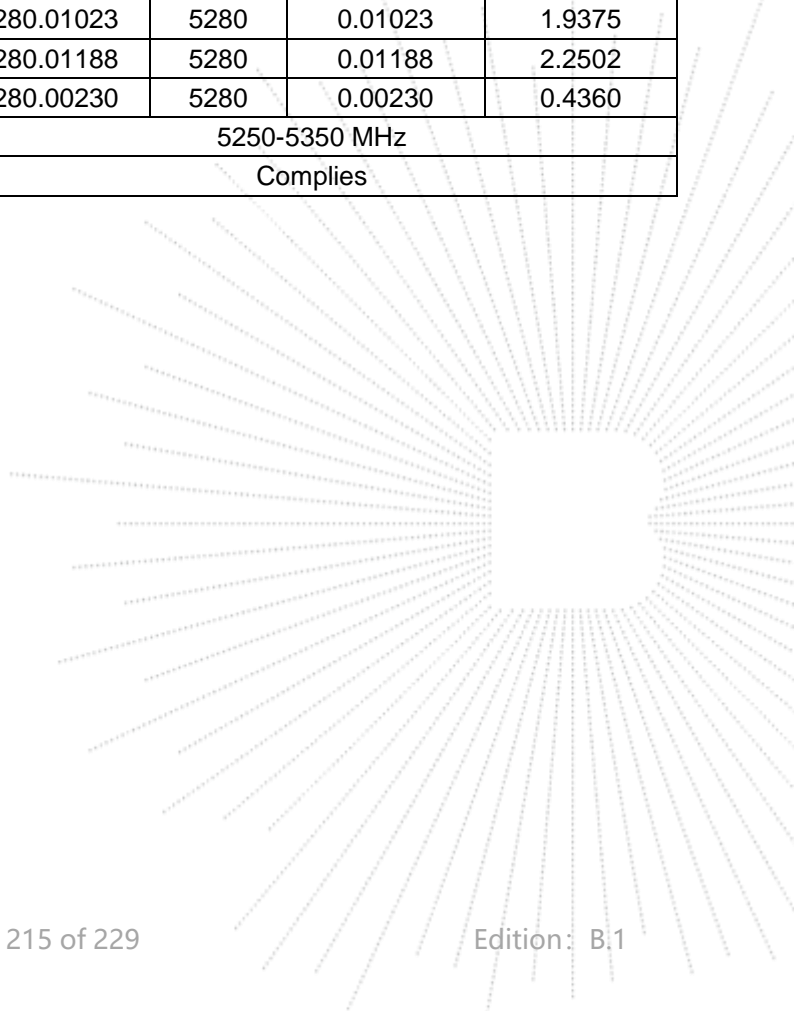
TEST CONDITIONS				Reference Frequency: 5260MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5260.0030	5260	0.0030	0.5676
		T (°C)	-10	5260.0108	5260	0.0108	2.0621
		T (°C)	0	5260.0072	5260	0.0072	1.3654
		T (°C)	10	5260.0087	5260	0.0087	1.6611
		T (°C)	20	5260.0120	5260	0.0120	2.2780
		T (°C)	30	5260.0001	5260	0.0001	0.0214
		T (°C)	40	5260.0057	5260	0.0057	1.0804
		T (°C)	50	5260.0113	5260	0.0113	2.1394
		T (°C)	60	5260.0044	5260	0.0044	0.8374
		T (°C)	70	5260.0028	5260	0.0028	0.5335
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)	5.00	5280.0075	5280	0.0075	1.4253
		V max (V)	5.75	5280.0094	5280	0.0094	1.7825
		V min (V)	4.25	5280.0107	5280	0.0107	2.0264
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	5280.00019	5280	0.00019	0.0368
		T (°C)	-10	5280.00492	5280	0.00492	0.9315
		T (°C)	0	5280.01205	5280	0.01205	2.2822
		T (°C)	10	5280.00373	5280	0.00373	0.7063
		T (°C)	20	5280.00018	5280	0.00018	0.0336
		T (°C)	30	5280.00799	5280	0.00799	1.5134
		T (°C)	40	5280.00977	5280	0.00977	1.8507
		T (°C)	50	5280.01023	5280	0.01023	1.9375
		T (°C)	60	5280.01188	5280	0.01188	2.2502
		T (°C)	70	5280.00230	5280	0.00230	0.4360
Limits				5250-5350 MHz			
Result				Complies			

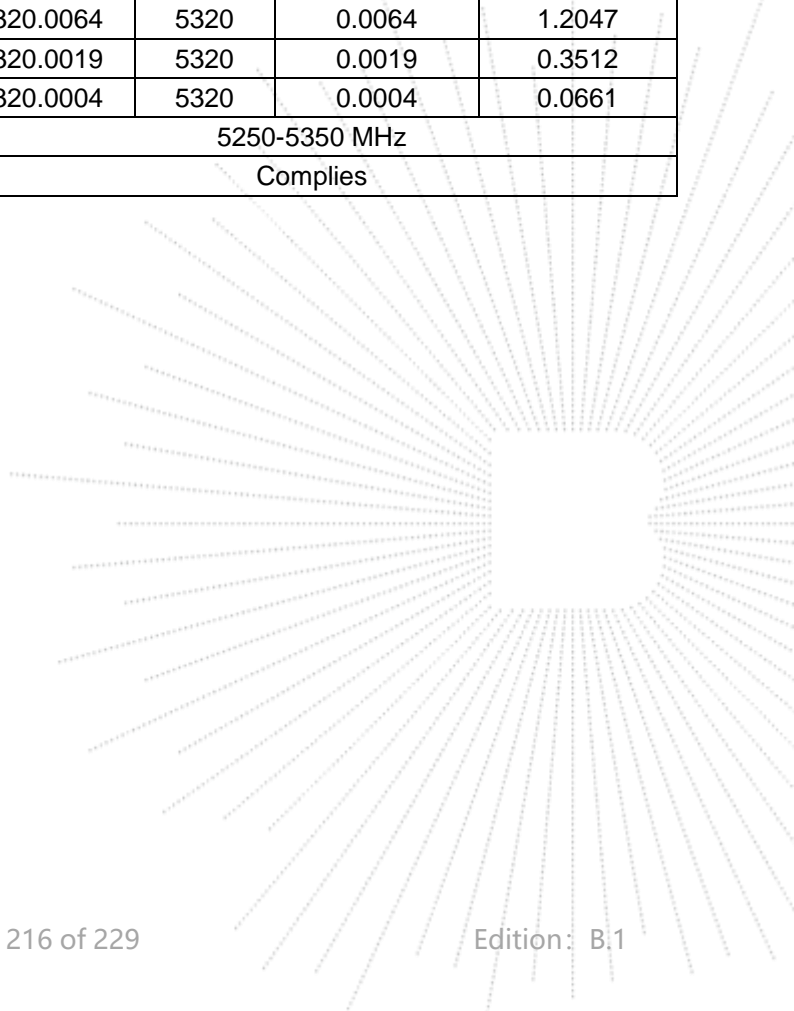


Voltage vs. Frequency Stability

TEST CONDITIONS				Reference Frequency : 5320MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5320.0102	5320	0.0102	1.9093
		V max (V)	5.75	5320.0134	5320	0.0134	2.5147
		V min (V)	4.25	5320.0040	5320	0.0040	0.7591
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)	5	T (°C)	-20	5320.0068	5320	0.0068	1.2738
		T (°C)	-10	5320.0097	5320	0.0097	1.8302
		T (°C)	0	5320.0074	5320	0.0074	1.3855
		T (°C)	10	5320.0114	5320	0.0114	2.1429
		T (°C)	20	5320.0106	5320	0.0106	1.9982
		T (°C)	30	5320.0023	5320	0.0023	0.4235
		T (°C)	40	5320.0096	5320	0.0096	1.8121
		T (°C)	50	5320.0064	5320	0.0064	1.2047
		T (°C)	60	5320.0019	5320	0.0019	0.3512
		T (°C)	70	5320.0004	5320	0.0004	0.0661
Limits				5250-5350 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	5500.0059	5500	0.0059	1.0654
		V max (V)	5.75	5500.0160	5500	0.0160	2.9064
		V min (V)	4.25	5500.0145	5500	0.0145	2.6302
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)	5	T (°C)	-20	5500.0075	5500	0.0075	1.3557
		T (°C)	-10	5500.0036	5500	0.0036	0.6573
		T (°C)	0	5500.0041	5500	0.0041	0.7453
		T (°C)	10	5500.0056	5500	0.0056	1.0099
		T (°C)	20	5500.0076	5500	0.0076	1.3820
		T (°C)	30	5500.0095	5500	0.0095	1.7301
		T (°C)	40	5500.0063	5500	0.0063	1.1541
		T (°C)	50	5500.0067	5500	0.0067	1.2249
		T (°C)	60	5500.0004	5500	0.0004	0.0676
		T (°C)	70	5500.0125	5500	0.0125	2.2648
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)	5.00	5580.0041	5580	0.0041	0.7390
		V max (V)	5.75	5580.0133	5580	0.0133	2.3803
		V min (V)	4.25	5580.0108	5580	0.0108	1.9356
Limits				5470-5720 MHz			
Result				Complies			

Temperature vs. Frequency Stability

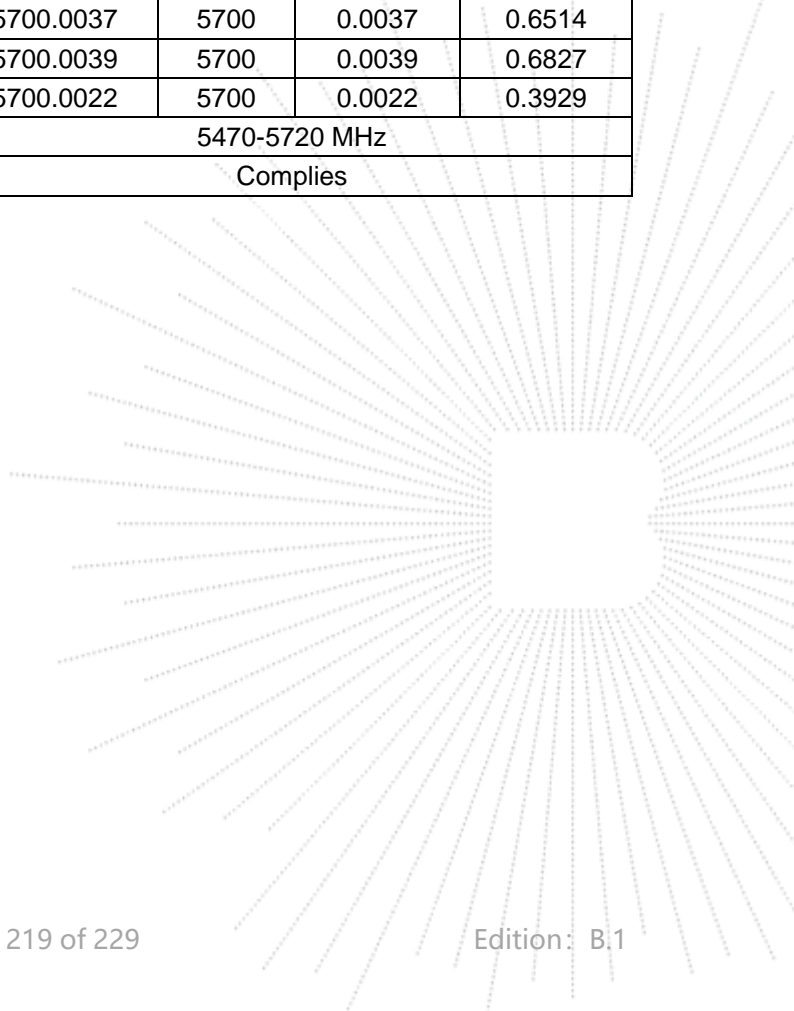
TEST CONDITIONS				Reference Frequency : 5580MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5580.00524	5580	0.00524	0.9392
		T (°C)	-10	5580.01088	5580	0.01088	1.9490
		T (°C)	0	5580.01045	5580	0.01045	1.8725
		T (°C)	10	5580.00549	5580	0.00549	0.9838
		T (°C)	20	5580.00330	5580	0.00330	0.5915
		T (°C)	30	5580.00204	5580	0.00204	0.3649
		T (°C)	40	5580.00217	5580	0.00217	0.3890
		T (°C)	50	5580.00761	5580	0.00761	1.3645
		T (°C)	60	5580.00119	5580	0.00119	0.2138
		T (°C)	70	5580.00724	5580	0.00724	1.2968
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)	5.00	5700.0107	5700	0.0107	1.8849
		V max (V)	5.75	5700.0044	5700	0.0044	0.7633
		V min (V)	4.25	5700.0097	5700	0.0097	1.7006
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)	5	T (°C)	-20	5700.0123	5700	0.0123	2.1666
		T (°C)	-10	5700.0120	5700	0.0120	2.1069
		T (°C)	0	5700.0127	5700	0.0127	2.2343
		T (°C)	10	5700.0044	5700	0.0044	0.7671
		T (°C)	20	5700.0121	5700	0.0121	2.1257
		T (°C)	30	5700.0043	5700	0.0043	0.7562
		T (°C)	40	5700.0099	5700	0.0099	1.7299
		T (°C)	50	5700.0037	5700	0.0037	0.6514
		T (°C)	60	5700.0039	5700	0.0039	0.6827
		T (°C)	70	5700.0022	5700	0.0022	0.3929
Limits				5470-5720 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 Stability

TEST CONDITIONS				Reference Frequency: 5745MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	5.00	5745.00386	5745	0.00386	0.6717
		V max (V)	5.75	5745.00674	5745	0.00674	1.1724
		V min (V)	4.25	5745.00341	5745	0.00341	0.5938
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	5745.00354	5745	0.00354	0.6154
		T (°C)	-10	5745.00714	5745	0.00714	1.2436
		T (°C)	0	5745.00122	5745	0.00122	0.2118
		T (°C)	10	5745.00576	5745	0.00576	1.0035
		T (°C)	20	5745.00096	5745	0.00096	0.1676
		T (°C)	30	5745.00022	5745	0.00022	0.0384
		T (°C)	40	5745.00037	5745	0.00037	0.0649
		T (°C)	50	5745.00419	5745	0.00419	0.7300
		T (°C)	60	5745.00719	5745	0.00719	1.2518
		T (°C)	70	5745.00104	5745	0.00104	0.1803
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	5785.00683	5785	0.00683	1.1806
		V max (V)	5.75	5785.00269	5785	0.00269	0.4649
		V min (V)	4.25	5785.00939	5785	0.00939	1.6229
Limits				5725-5850 MHz			
Result				Complies			

Temperature vs. Frequency Stability

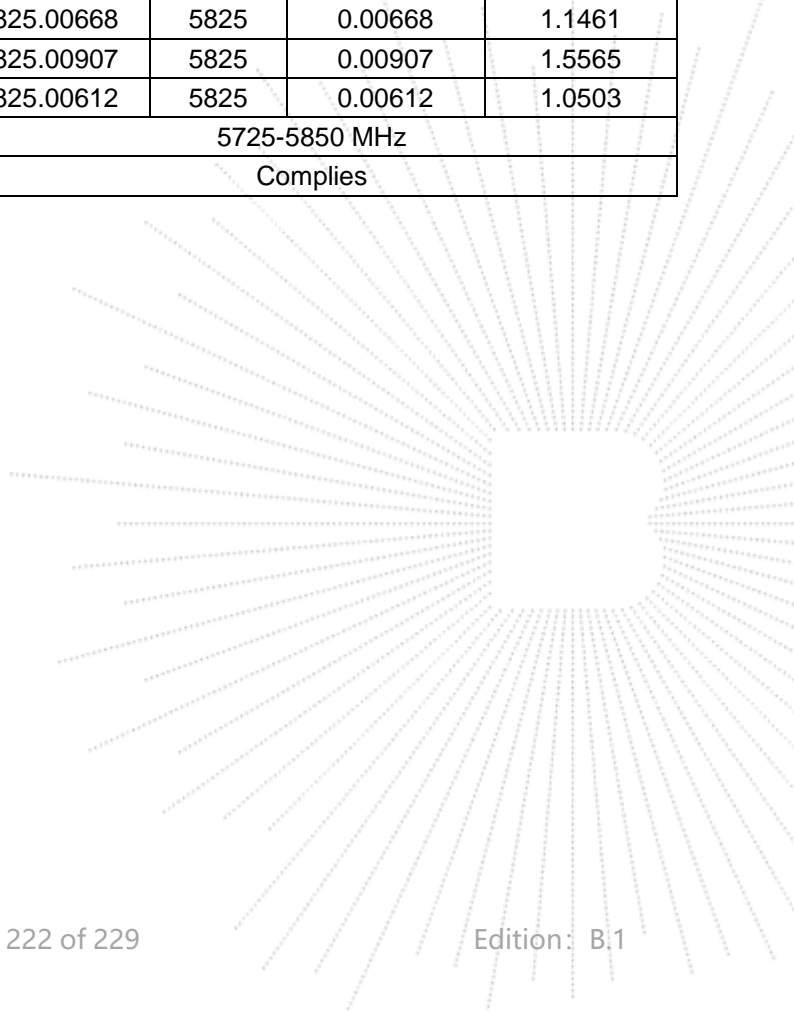
TEST CONDITIONS				Reference Frequency : 5785MHz			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
V nom (V)	5	T (°C)	-20	5785.01250	5785	0.01250	2.1603
		T (°C)	-10	5785.00033	5785	0.00033	0.0566
		T (°C)	0	5785.00640	5785	0.00640	1.1071
		T (°C)	10	5785.01239	5785	0.01239	2.1420
		T (°C)	20	5785.00461	5785	0.00461	0.7972
		T (°C)	30	5785.00774	5785	0.00774	1.3379
		T (°C)	40	5785.00242	5785	0.00242	0.4183
		T (°C)	50	5785.00583	5785	0.00583	1.0077
		T (°C)	60	5785.00220	5785	0.00220	0.3796
		T (°C)	70	5785.01267	5785	0.01267	2.1897
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	5825.00313	5825	0.00313	0.5367
		V max (V)	5.75	5825.00072	5825	0.00072	0.1242
		V min (V)	4.25	5825.00858	5825	0.00858	1.4734
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	5825.01034	5825	0.01034	1.7757
		T (°C)	-10	5825.01323	5825	0.01323	2.2719
		T (°C)	0	5825.00739	5825	0.00739	1.2685
		T (°C)	10	5825.00849	5825	0.00849	1.4574
		T (°C)	20	5825.00892	5825	0.00892	1.5309
		T (°C)	30	5825.00788	5825	0.00788	1.3525
		T (°C)	40	5825.00549	5825	0.00549	0.9426
		T (°C)	50	5825.00668	5825	0.00668	1.1461
		T (°C)	60	5825.00907	5825	0.00907	1.5565
		T (°C)	70	5825.00612	5825	0.00612	1.0503
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

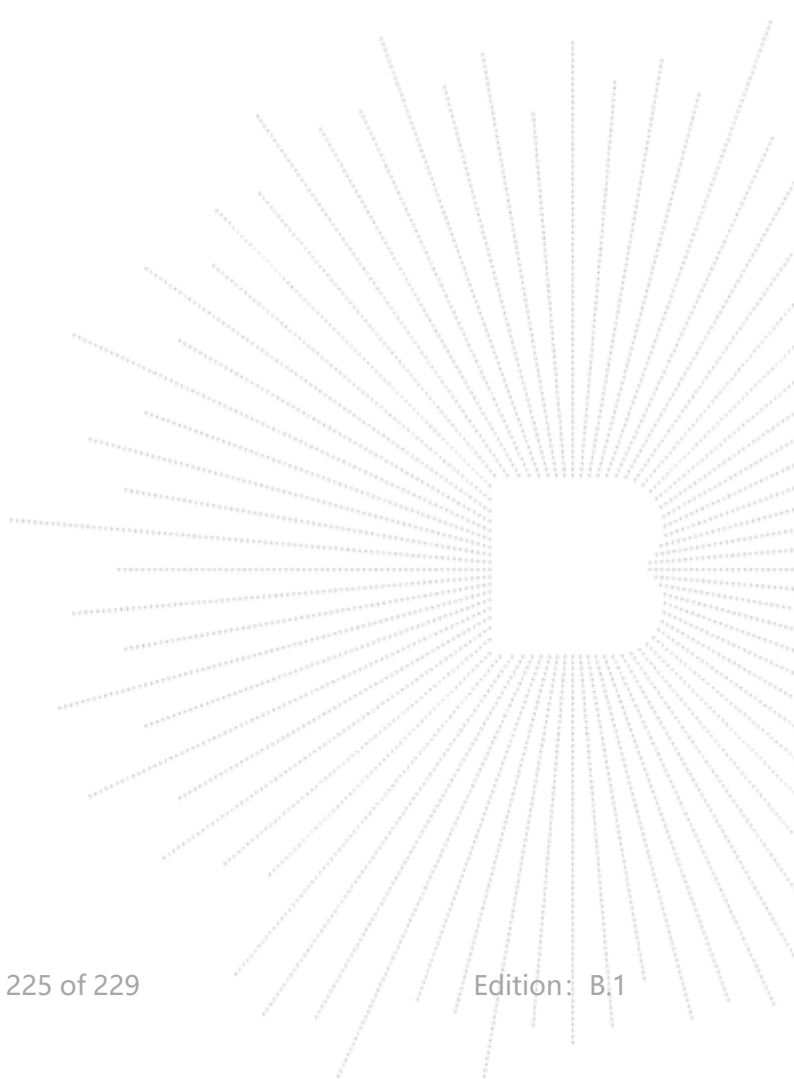
14.4 Test Result

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

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	100	0	0
NVNT	a	5280	100	0	0
NVNT	a	5320	100	0	0
NVNT	n20	5260	100	0	0
NVNT	n20	5280	100	0	0
NVNT	n20	5320	100	0	0
NVNT	n40	5270	100	0	0
NVNT	n40	5310	100	0	0
NVNT	ac20	5260	100	0	0
NVNT	ac20	5280	100	0	0
NVNT	ac20	5320	100	0	0
NVNT	ac40	5270	100	0	0
NVNT	ac40	5310	100	0	0
NVNT	ac80	5290	100	0	0

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	100	0	0
NVNT	a	5580	100	0	0
NVNT	a	5700	100	0	0
NVNT	n20	5500	100	0	0
NVNT	n20	5580	100	0	0
NVNT	n20	5700	100	0	0
NVNT	n40	5510	100	0	0
NVNT	n40	5550	100	0	0
NVNT	n40	5670	100	0	0
NVNT	ac20	5500	100	0	0
NVNT	ac20	5580	100	0	0
NVNT	ac20	5700	100	0	0
NVNT	ac40	5510	100	0	0
NVNT	ac40	5550	100	0	0
NVNT	ac40	5670	100	0	0
NVNT	ac80	5530	100	0	0

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	100	0	0
NVNT	a	5785	100	0	0
NVNT	a	5825	100	0	0
NVNT	n20	5745	100	0	0
NVNT	n20	5785	100	0	0
NVNT	n20	5825	100	0	0
NVNT	n40	5755	100	0	0
NVNT	n40	5795	100	0	0
NVNT	ac20	5745	100	0	0
NVNT	ac20	5785	100	0	0
NVNT	ac20	5825	100	0	0
NVNT	ac40	5755	100	0	0
NVNT	ac40	5795	100	0	0
NVNT	ac80	5775	100	0	0



15. Antenna Requirement

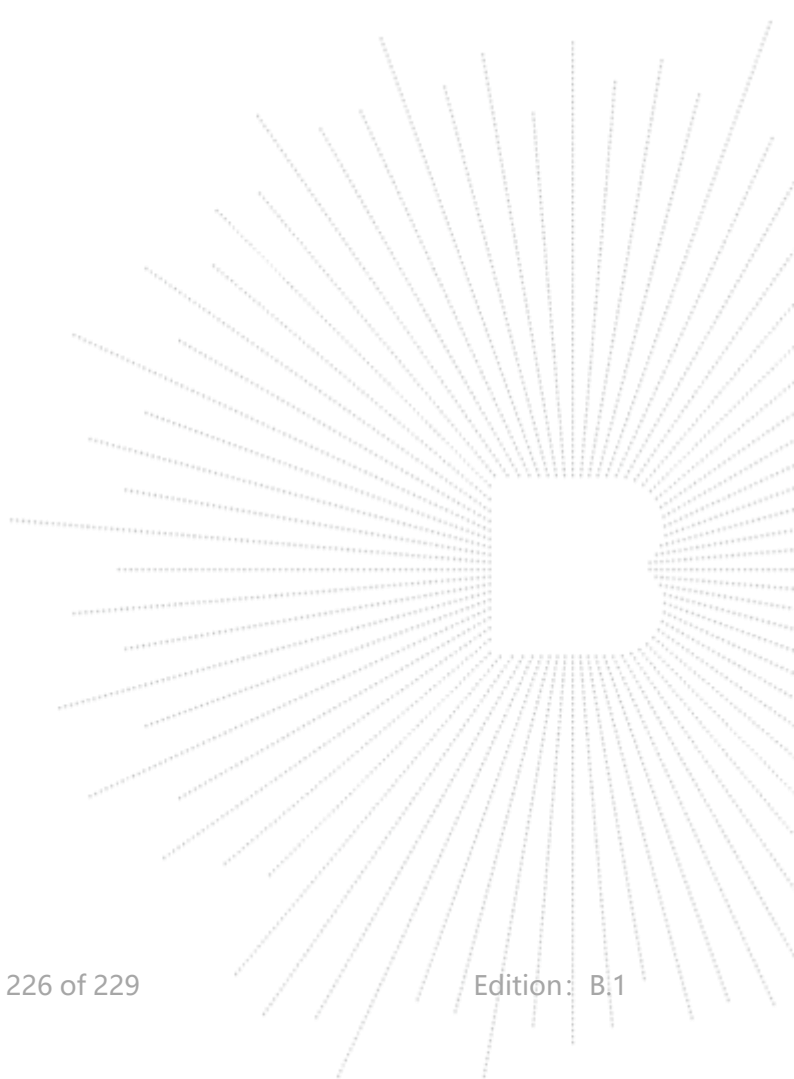
15.1 Limit

15.203 requirements:

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, or §15.221. 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 Internal antenna, not using a standard antenna jack or electrical connector for antenna replacement, fulfill the requirement of this section.



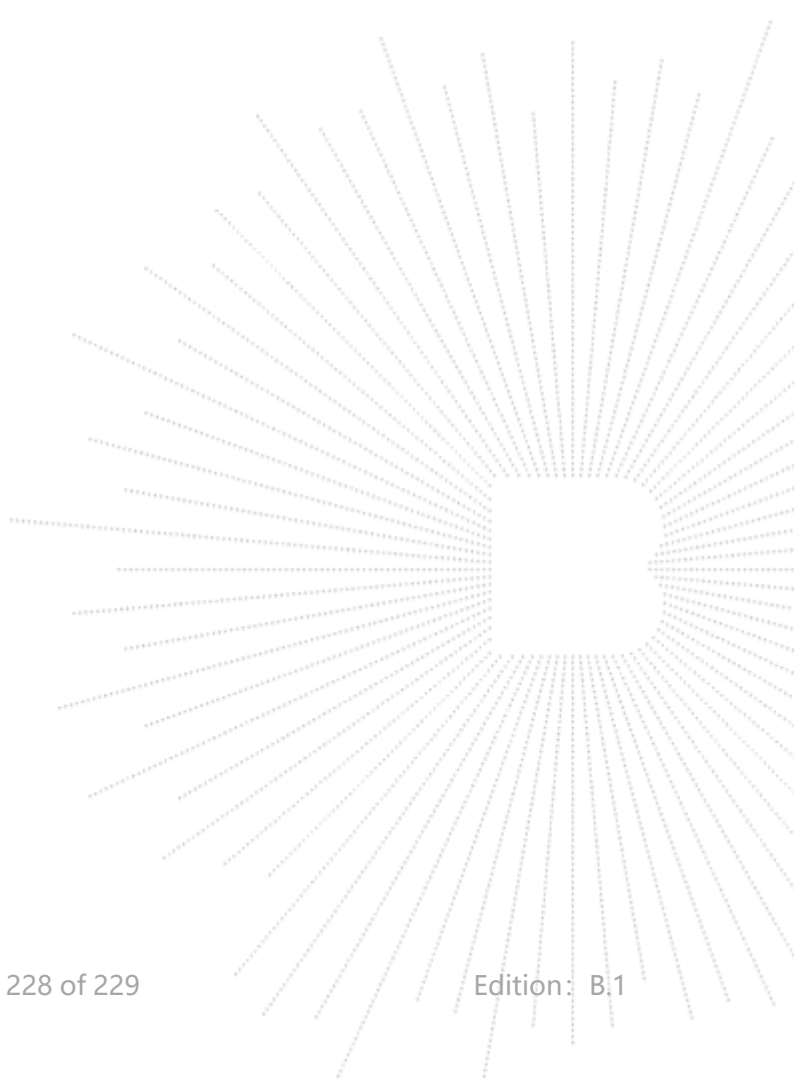
16. EUT Test Setup Photographs

Conducted Emissions Photo



Radiated Measurement Photos





STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without 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/IEC17025.
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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