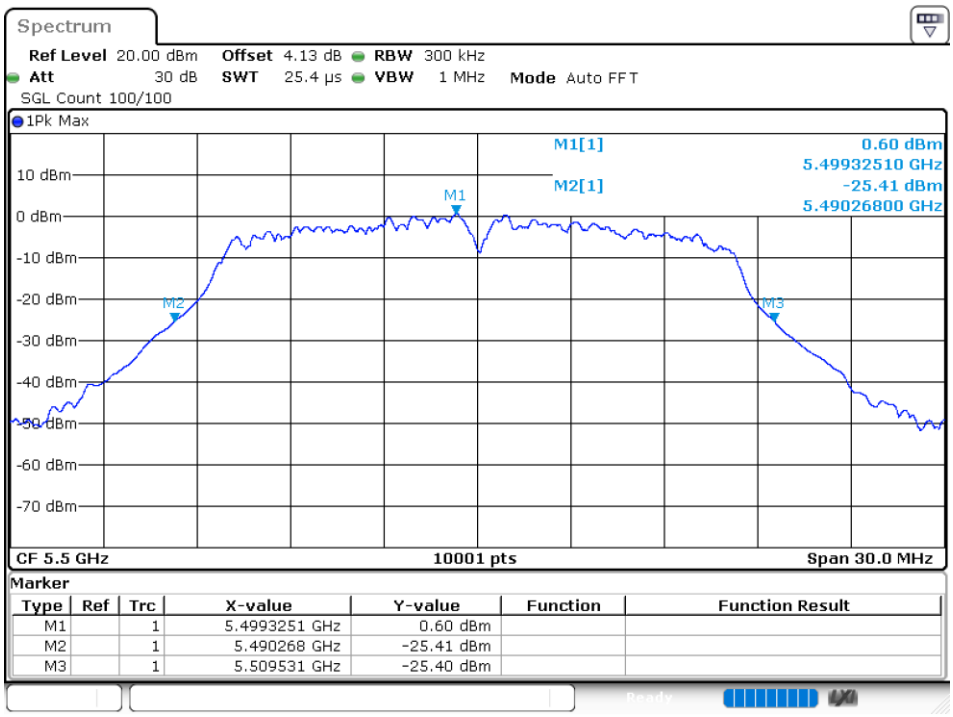
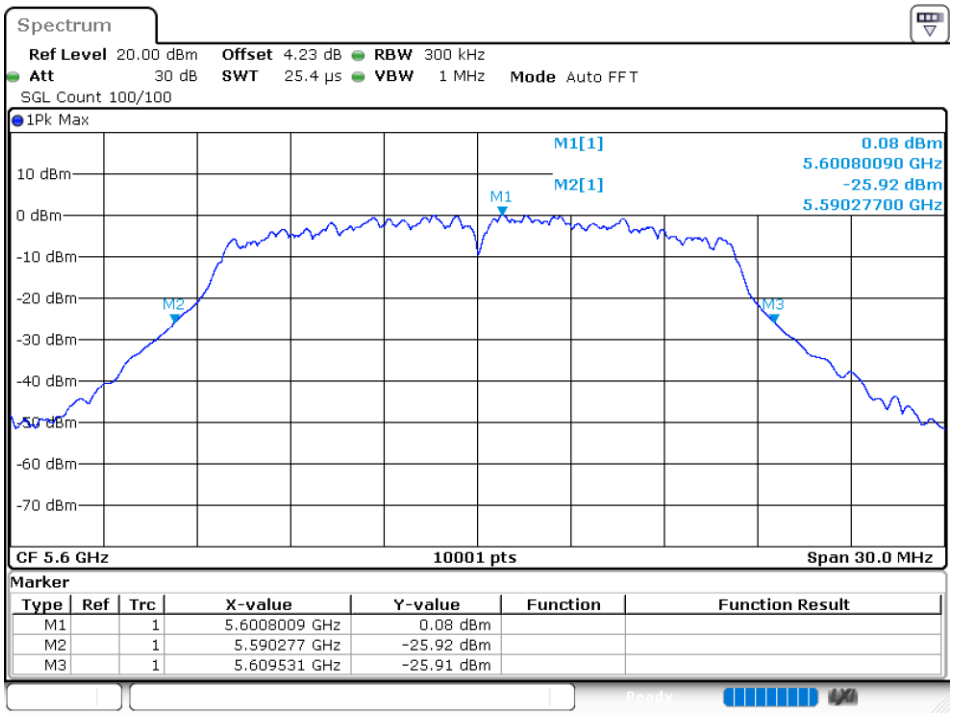
Test Graphs

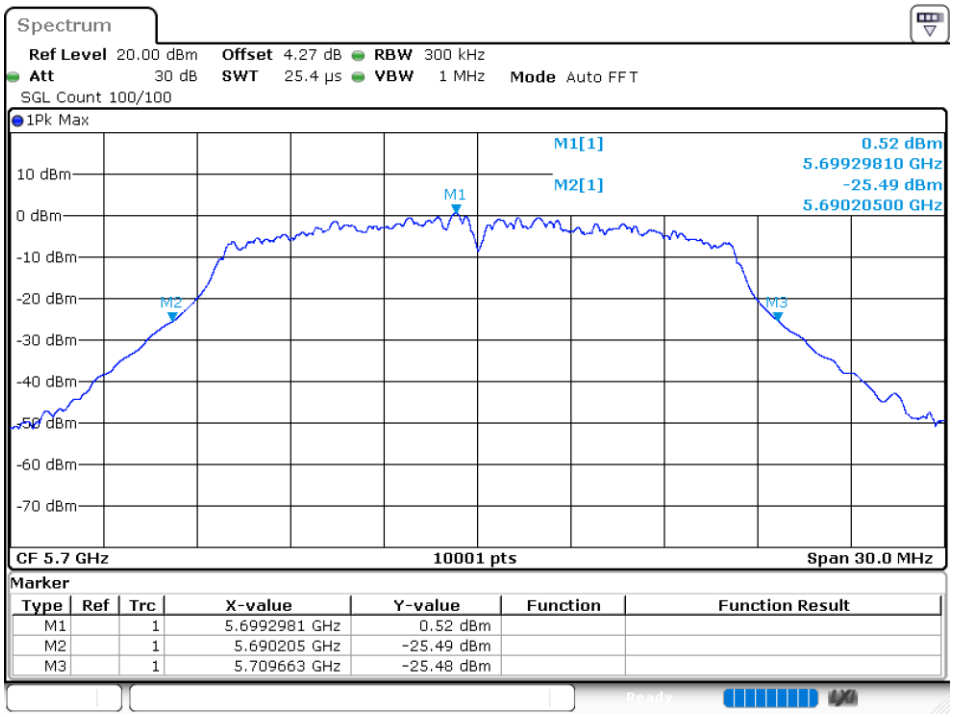
-26dB Bandwidth NVNT a 5500MHz Ant1



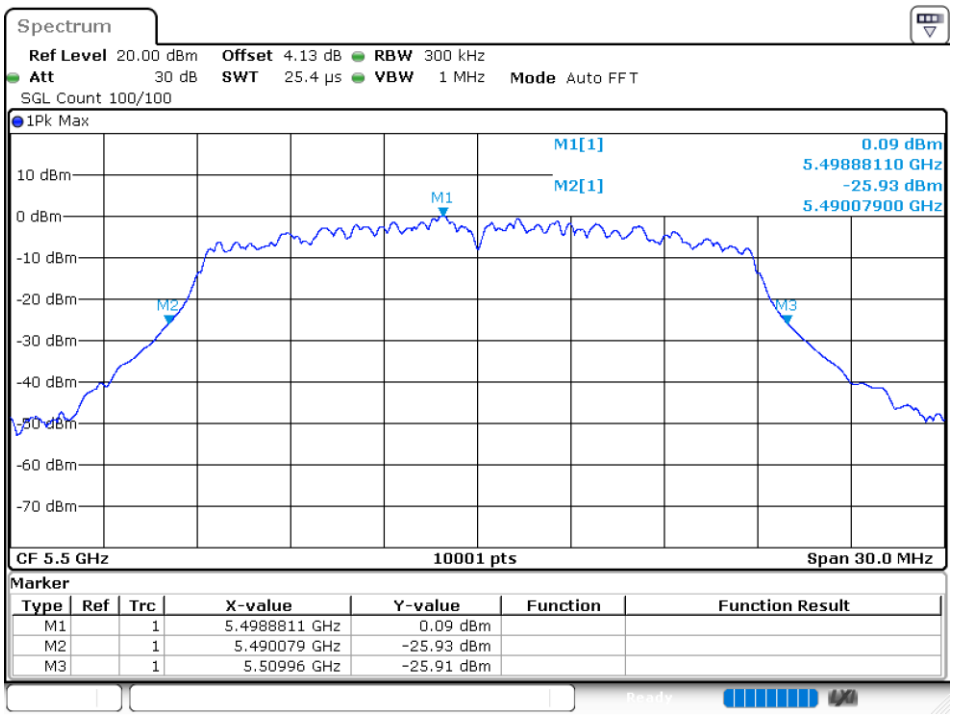
-26dB Bandwidth NVNT a 5600MHz Ant1



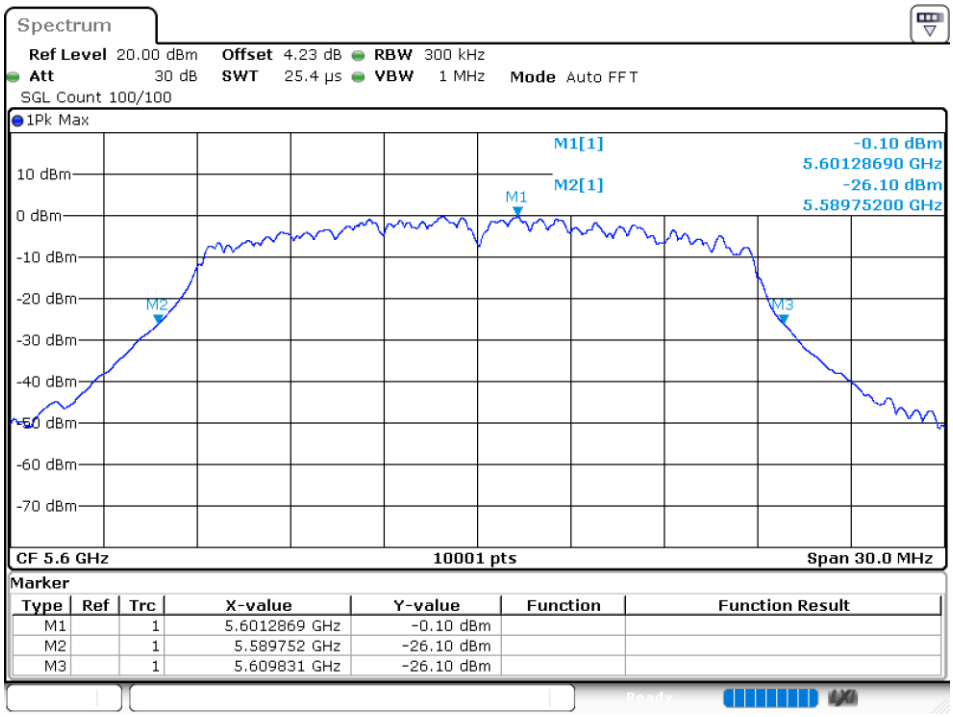
-26dB Bandwidth NVNT a 5700MHz Ant1



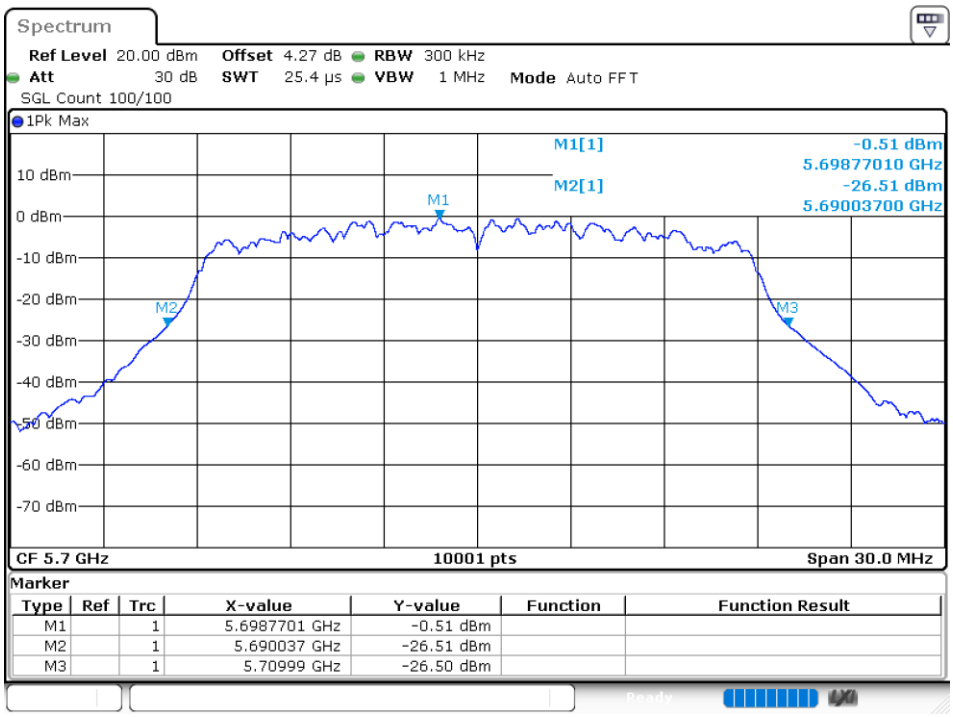
-26dB Bandwidth NVNT n20 5500MHz Ant1



-26dB Bandwidth NVNT n20 5600MHz Ant1



-26dB Bandwidth NVNT n20 5700MHz Ant1

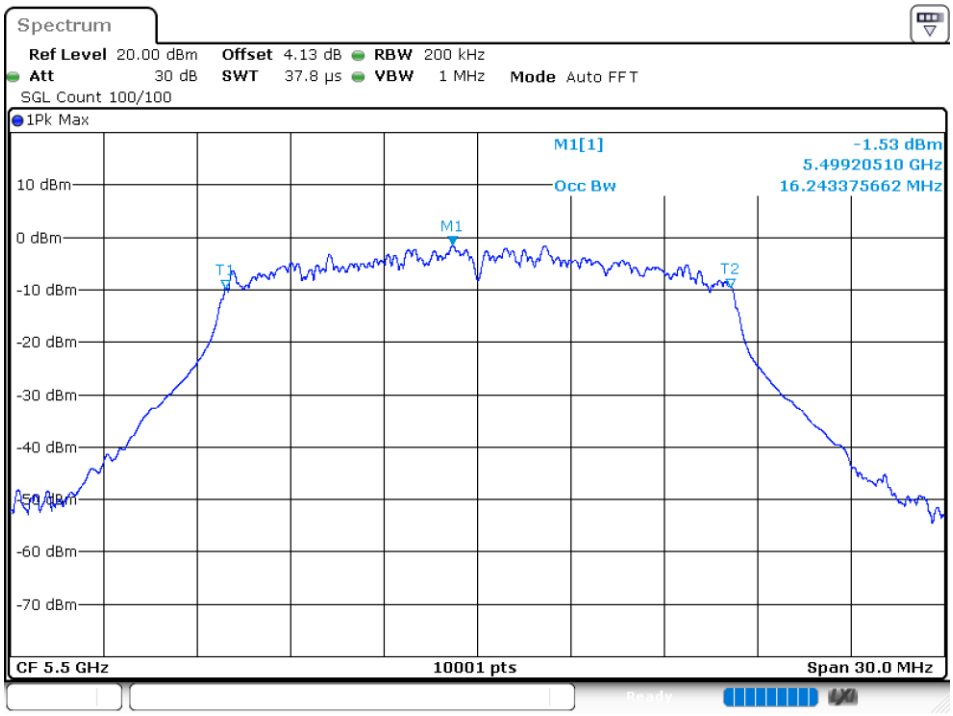


Occupied Channel Bandwidth

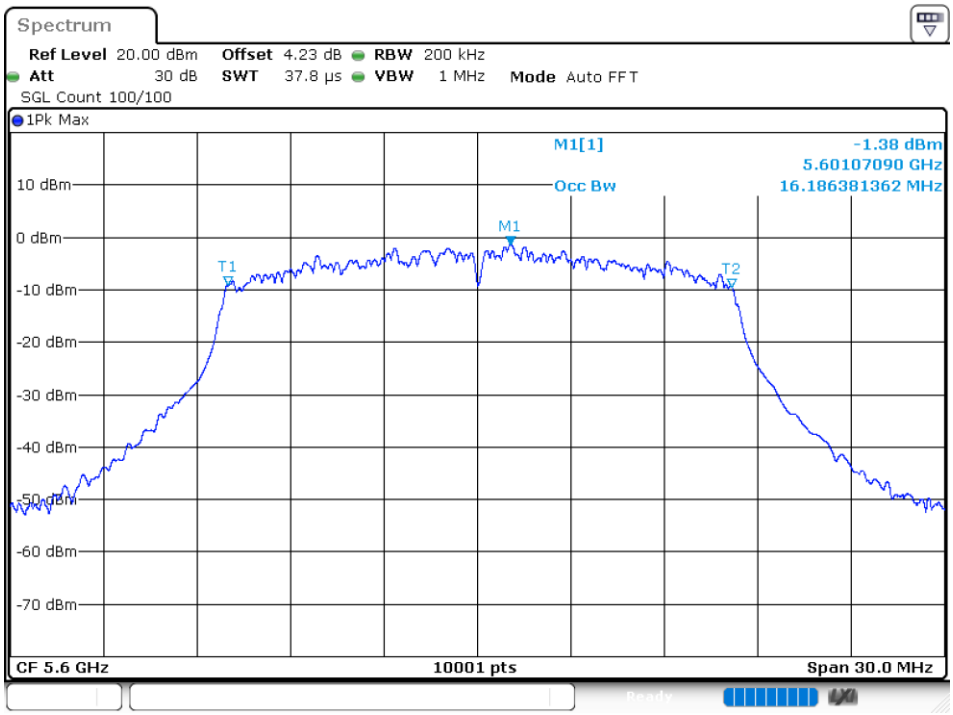
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.243
NVNT	a	5600	Ant1	16.186
NVNT	a	5700	Ant1	16.24
NVNT	n20	5500	Ant1	17.293
NVNT	n20	5600	Ant1	17.356
NVNT	n20	5700	Ant1	17.404

Test Graphs

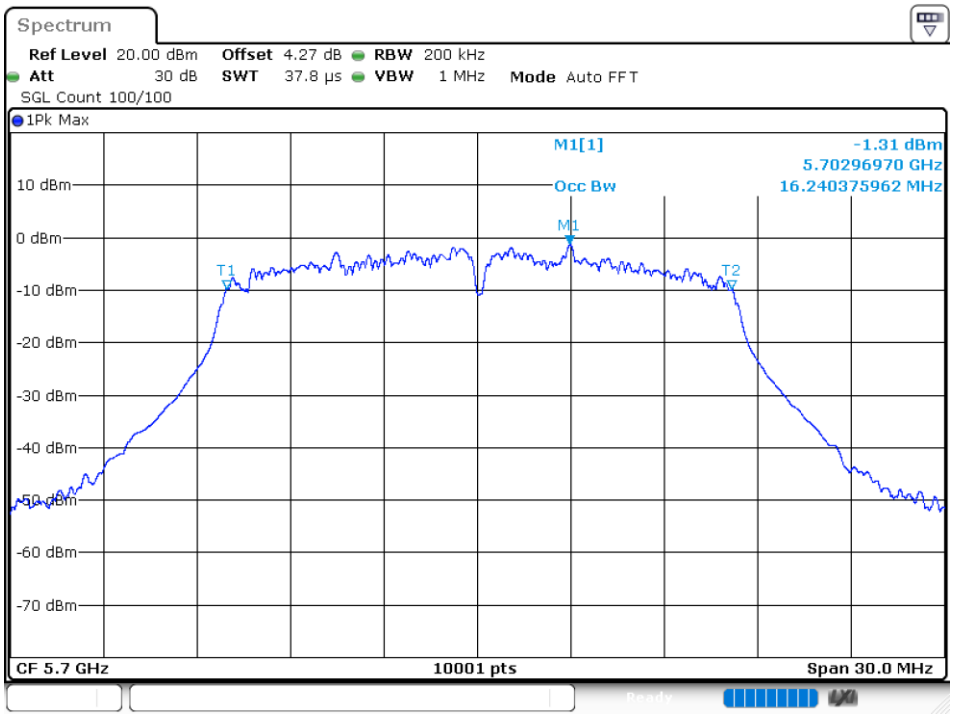
OBW NVNT a 5500MHz Ant1



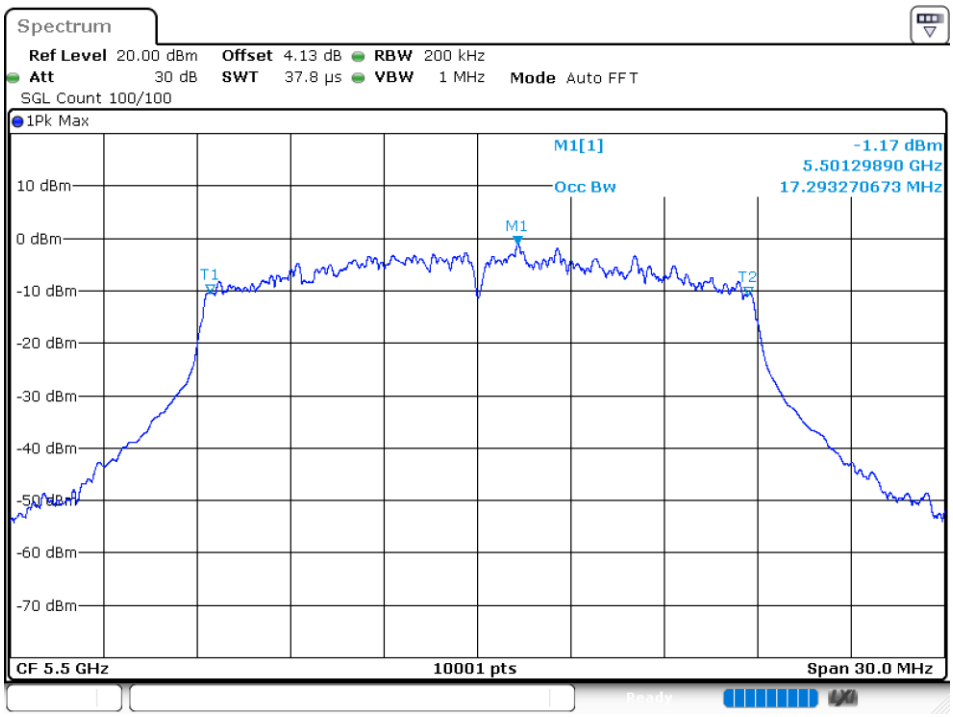
OBW NVNT a 5600MHz Ant1



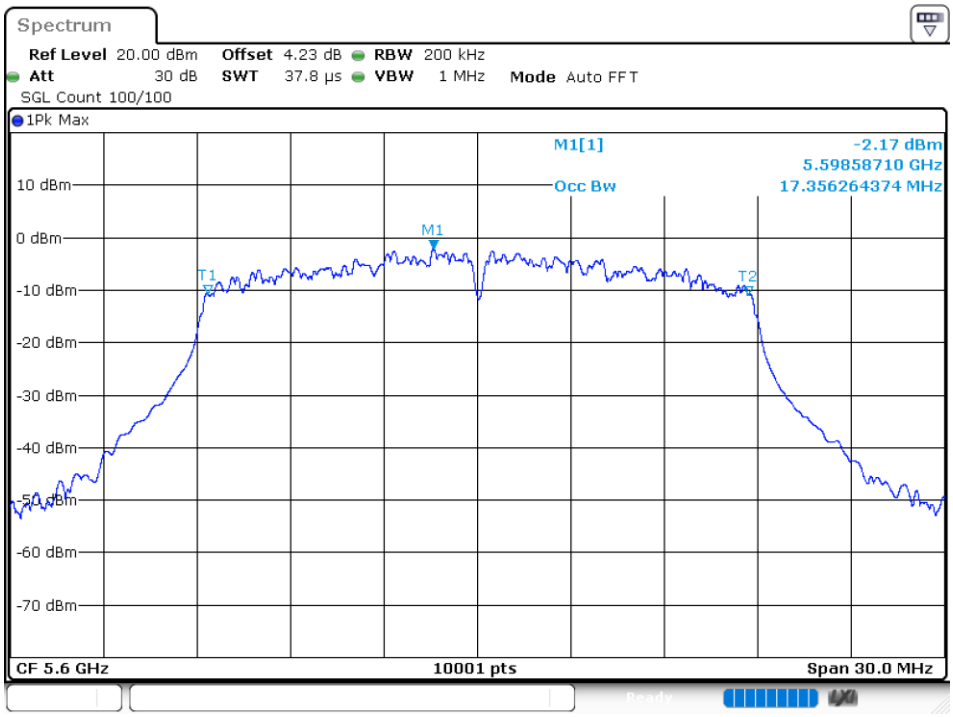
OBW NVNT a 5700MHz Ant1



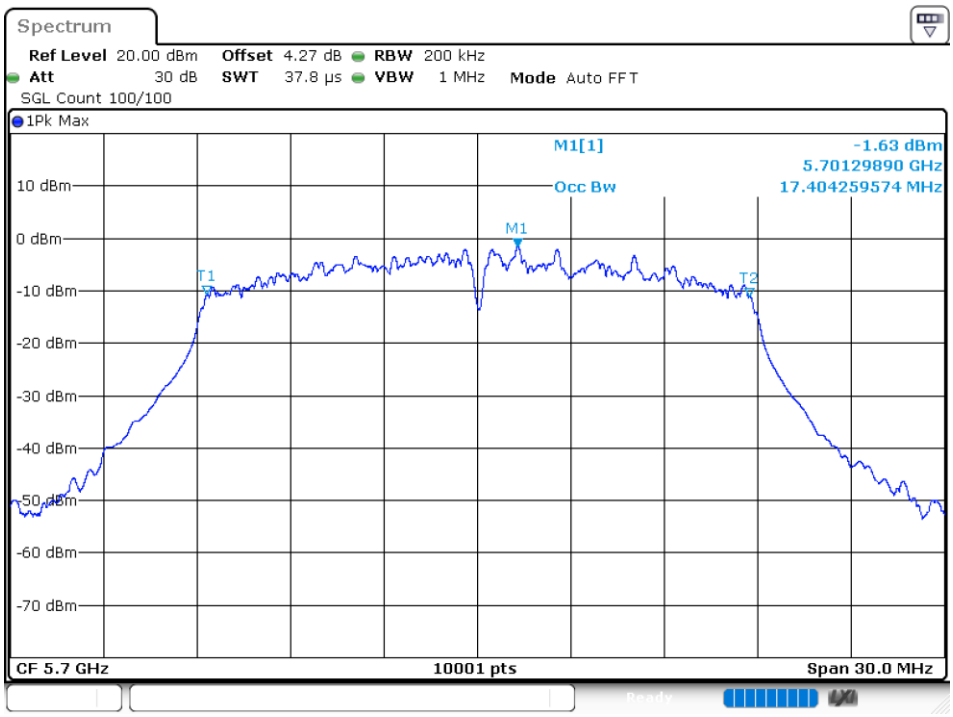
OBW NVNT n20 5500MHz Ant1



OBW NVNT n20 5600MHz Ant1



OBW NVNT n20 5700MHz Ant1

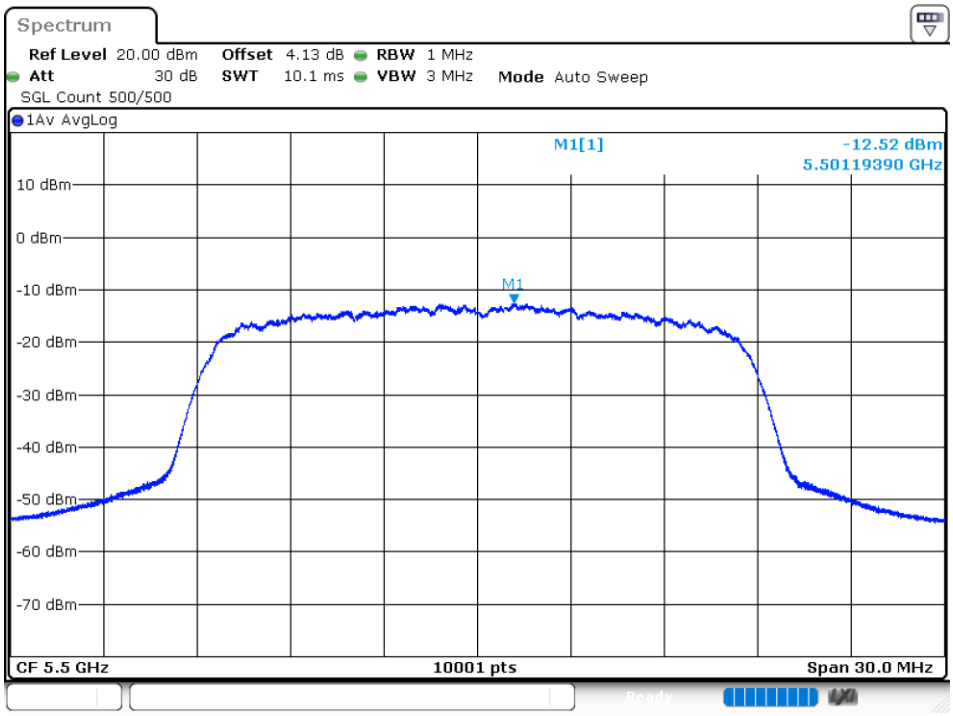


Maximum Power Spectral Density Level

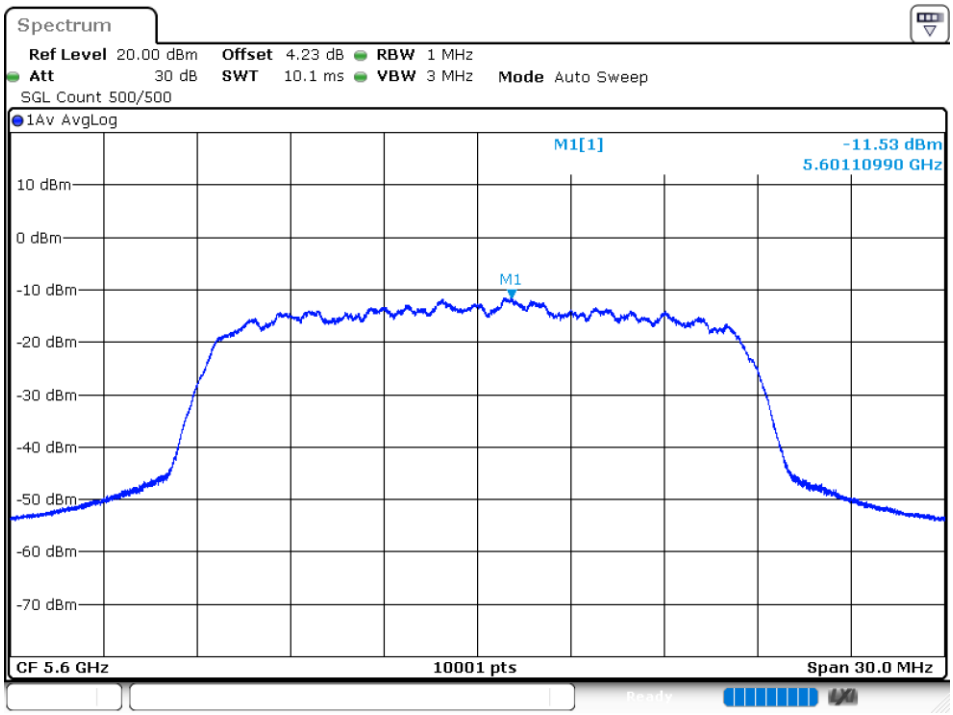
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-12.52	0.95	-11.57	11	Pass
NVNT	a	5600	Ant1	-11.53	0.95	-10.58	11	Pass
NVNT	a	5700	Ant1	-12.19	0.94	-11.25	11	Pass
NVNT	n20	5500	Ant1	-20.64	1.84	-18.8	11	Pass
NVNT	n20	5600	Ant1	-19.37	1.83	-17.54	11	Pass
NVNT	n20	5700	Ant1	-19.38	1.83	-17.55	11	Pass

Test Graphs

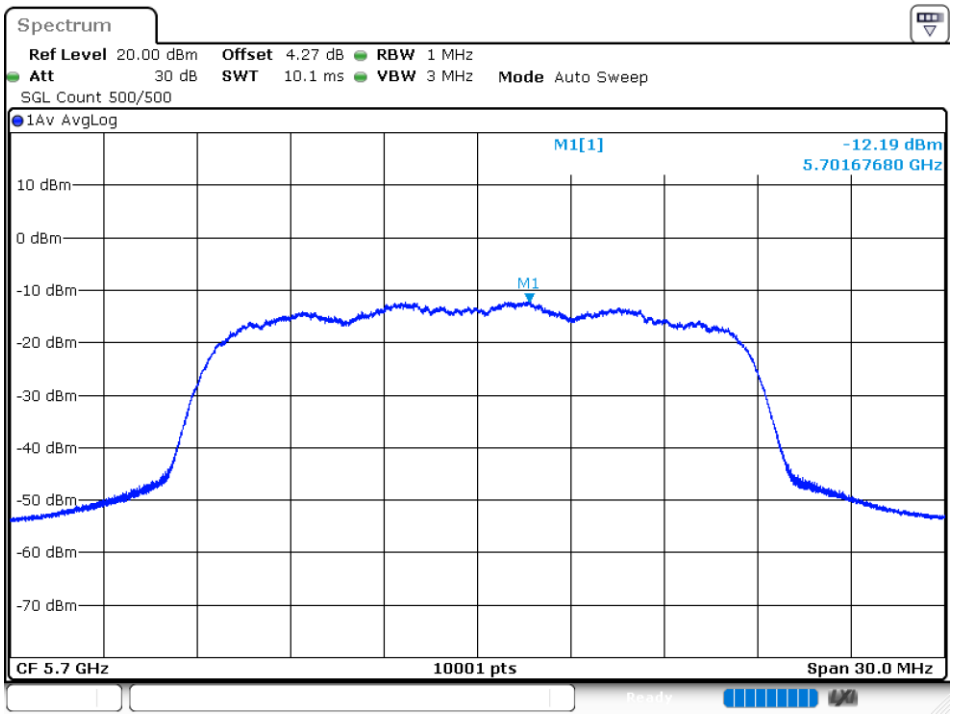
PSD NVNT a 5500MHz Ant1



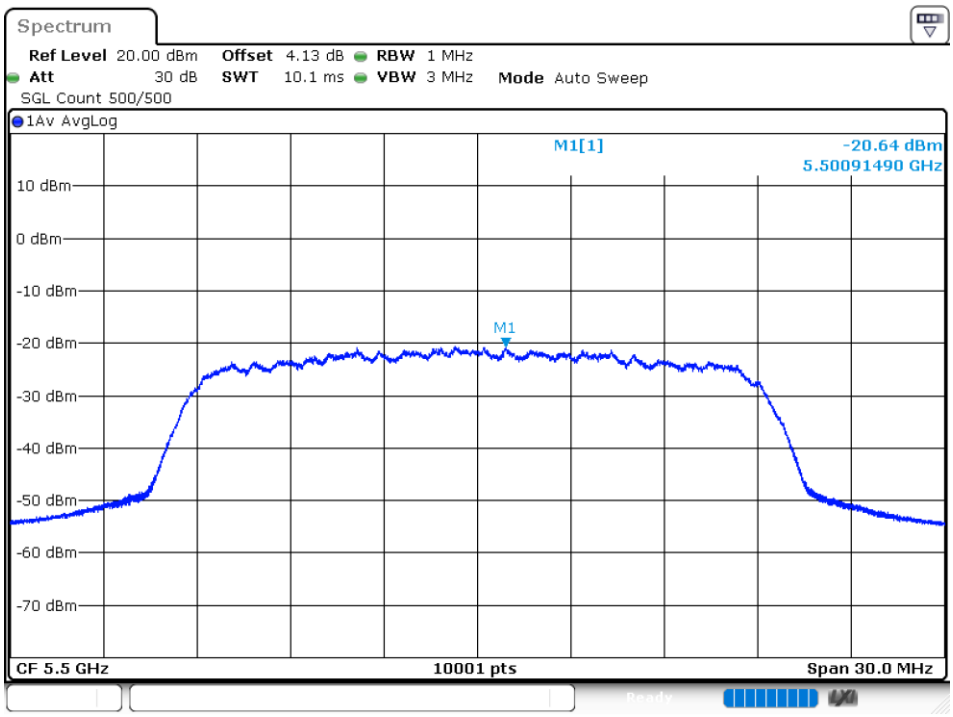
PSD NVNT a 5600MHz Ant1



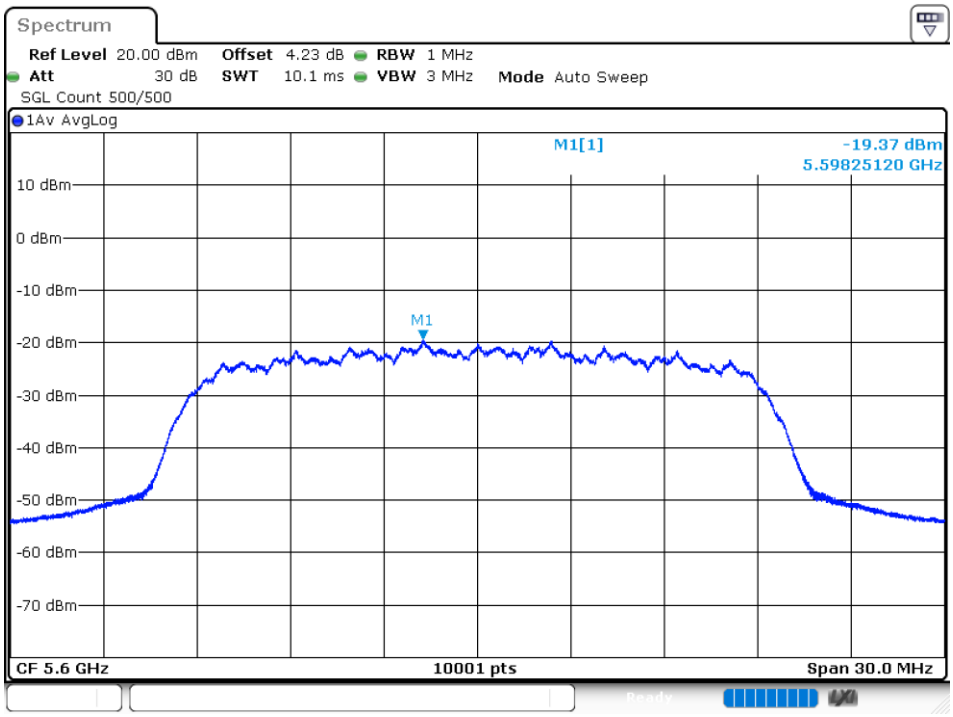
PSD NVNT a 5700MHz Ant1



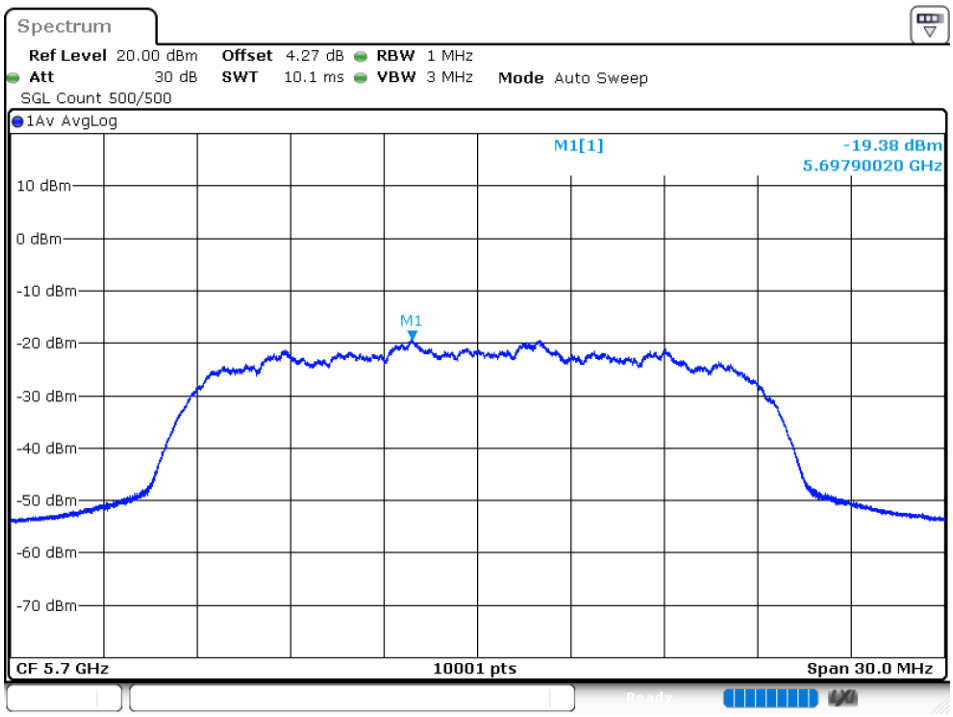
PSD NVNT n20 5500MHz Ant1



PSD NVNT n20 5600MHz Ant1



PSD NVNT n20 5700MHz Ant1



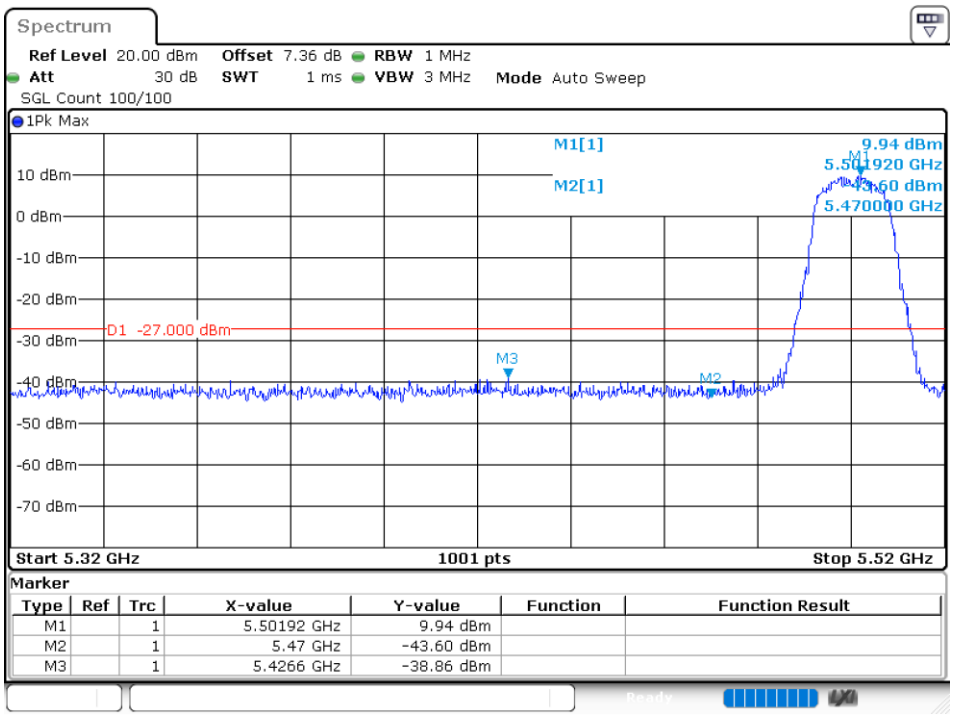
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-38.85	-27	Pass
NVNT	a	5700	Ant1	-37.9	-27	Pass
NVNT	n20	5500	Ant1	-39.49	-27	Pass
NVNT	n20	5700	Ant1	-38.33	-27	Pass

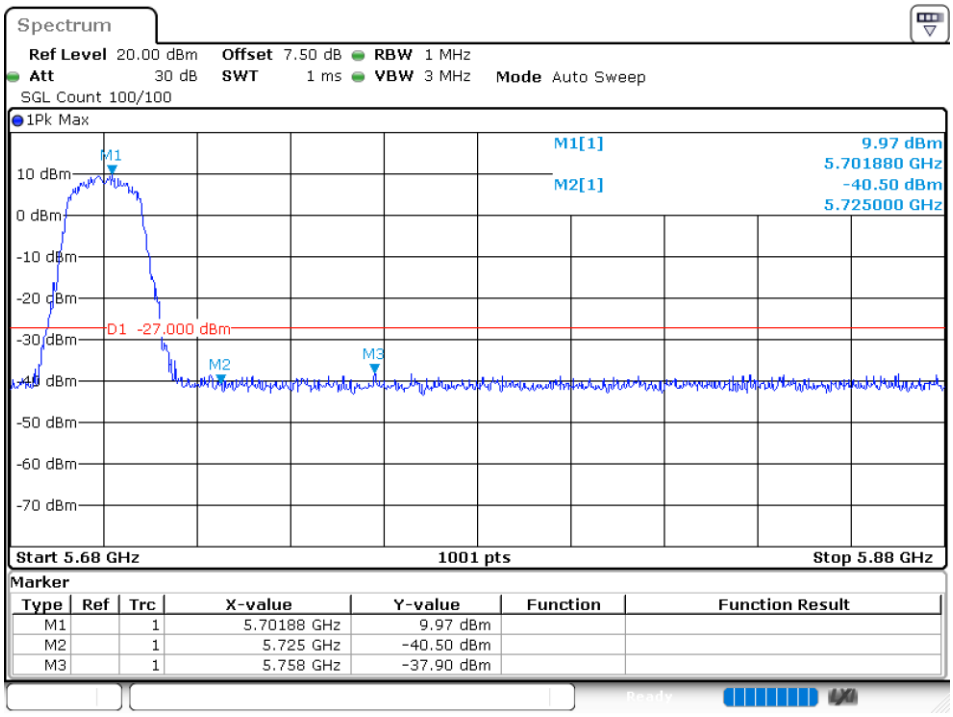
Note: This test has increased antenna gain .

Test Graphs

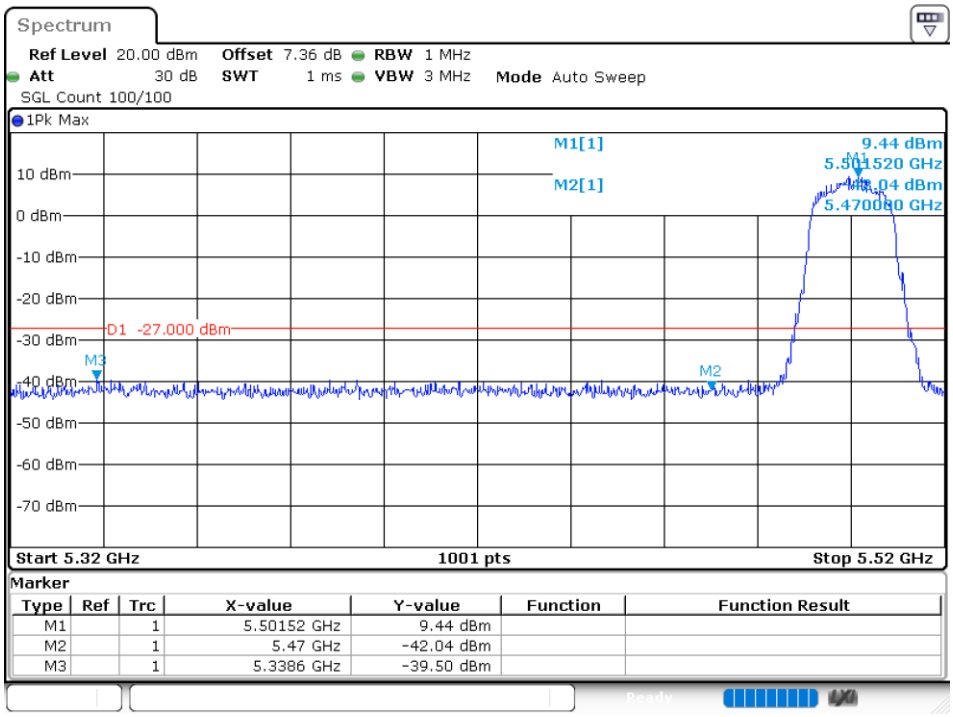
Band Edge NVNT a 5500MHz Low Ant1



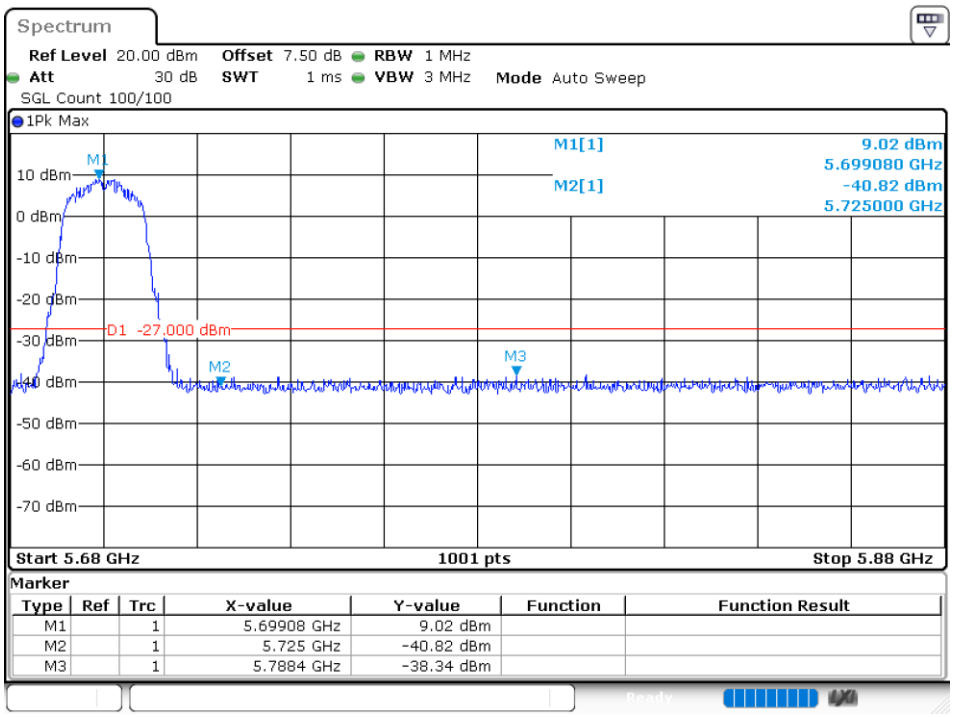
Band Edge NVNT a 5700MHz High Ant1



Band Edge NVNT n20 5500MHz Low Ant1



Band Edge NVNT n20 5700MHz High Ant1



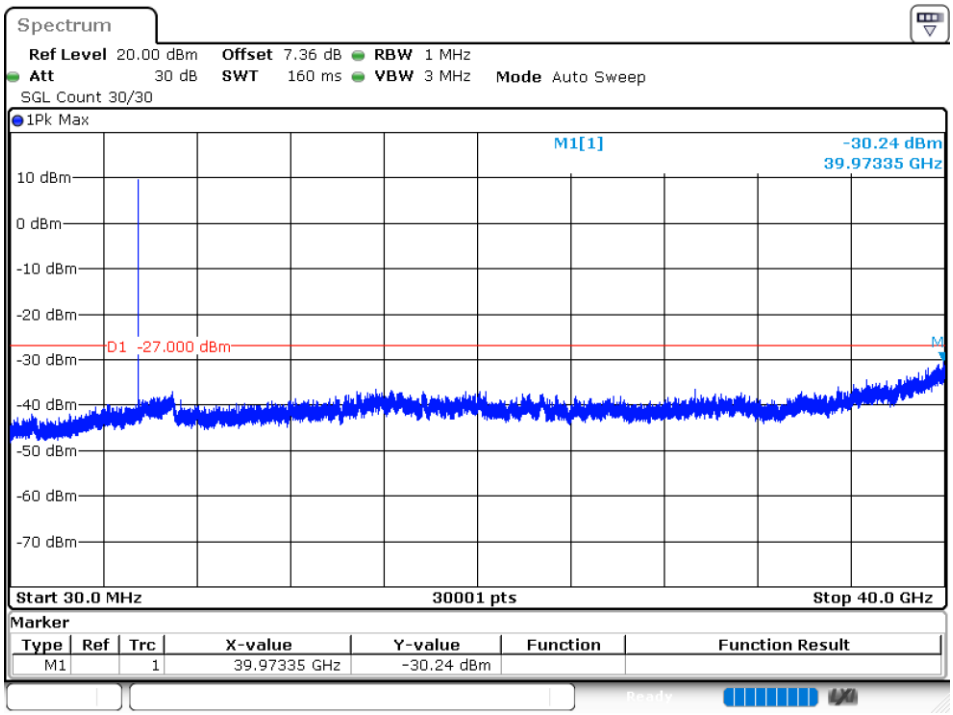
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	-30.23	-27	Pass
NVNT	a	5600	Ant1	-30.83	-27	Pass
NVNT	a	5700	Ant1	-30.62	-27	Pass
NVNT	n20	5500	Ant1	-31.16	-27	Pass
NVNT	n20	5600	Ant1	-31.89	-27	Pass
NVNT	n20	5700	Ant1	-30.3	-27	Pass

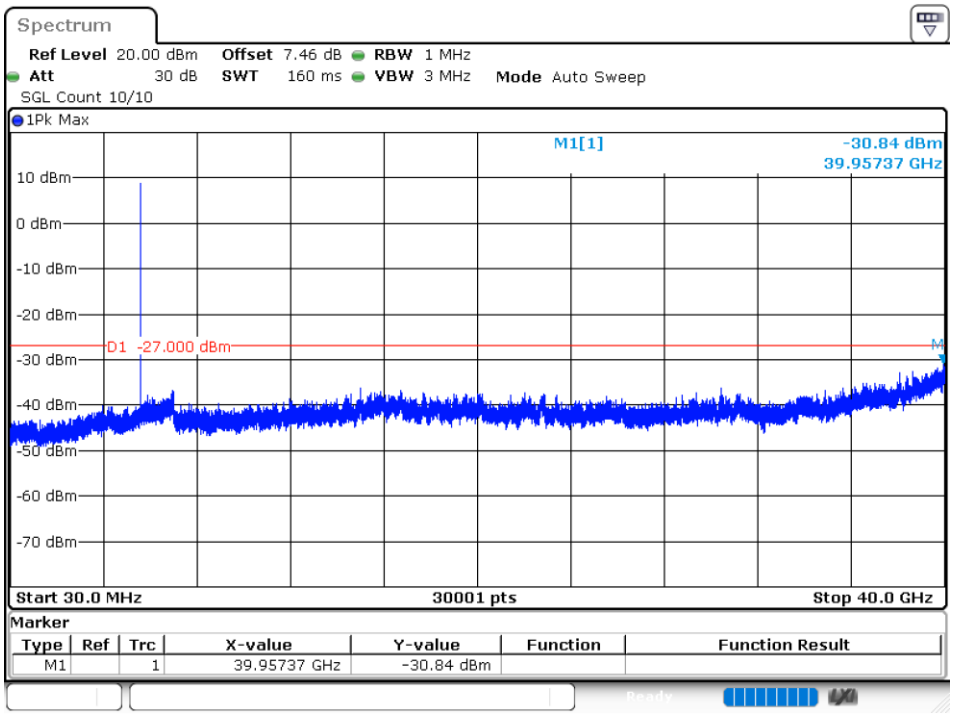
Note: This test has increased antenna gain .

Test Graphs

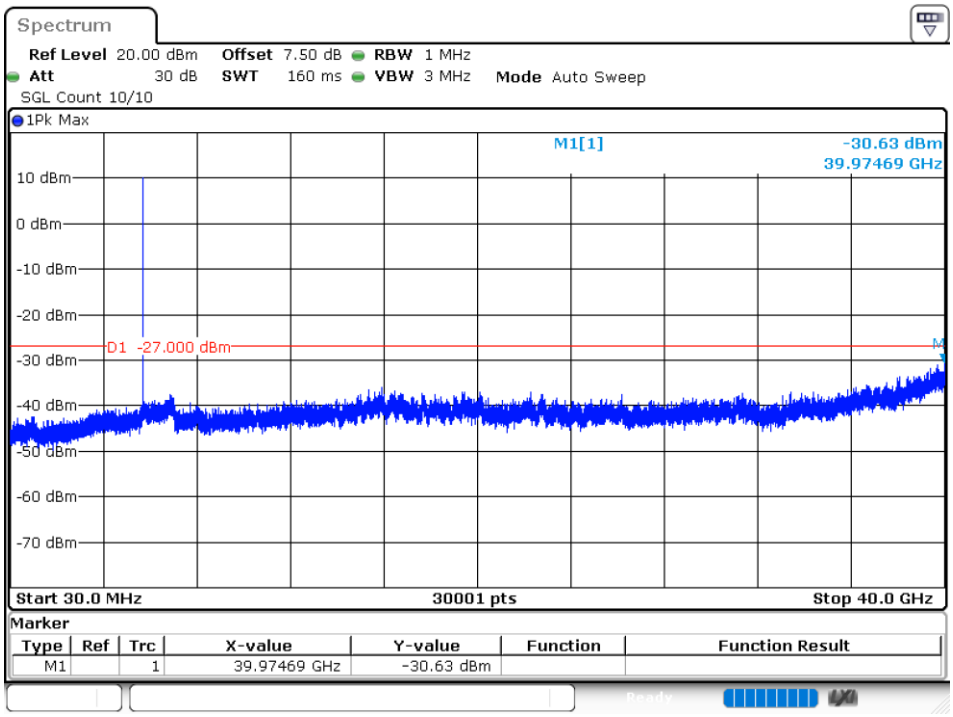
Tx. Spurious NVNT a 5500MHz Ant1 Emission



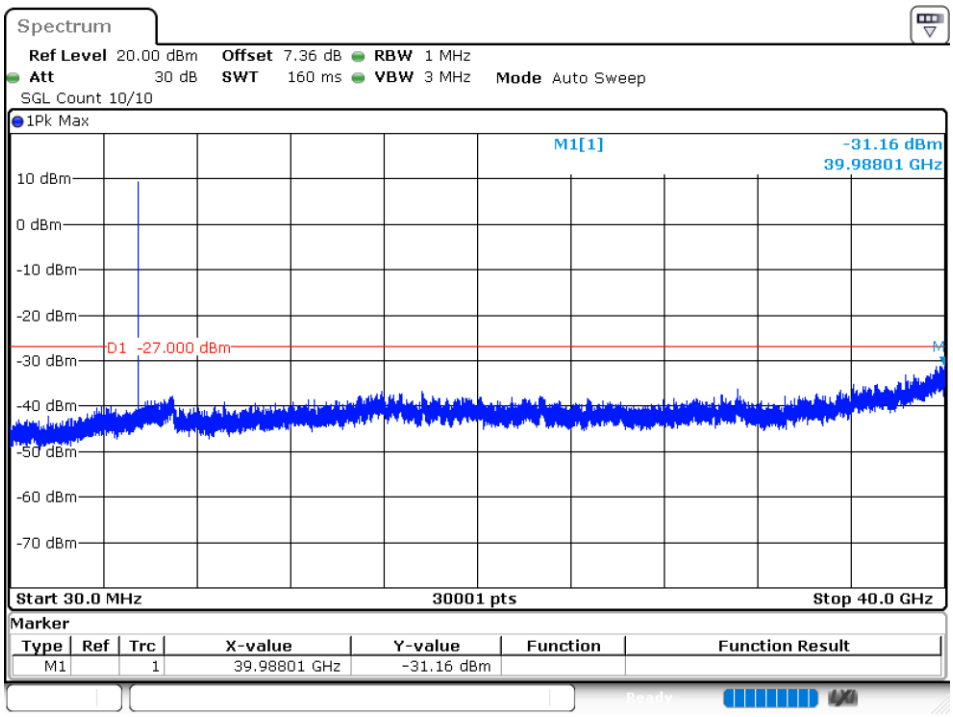
Tx. Spurious NVNT a 5600MHz Ant1 Emission



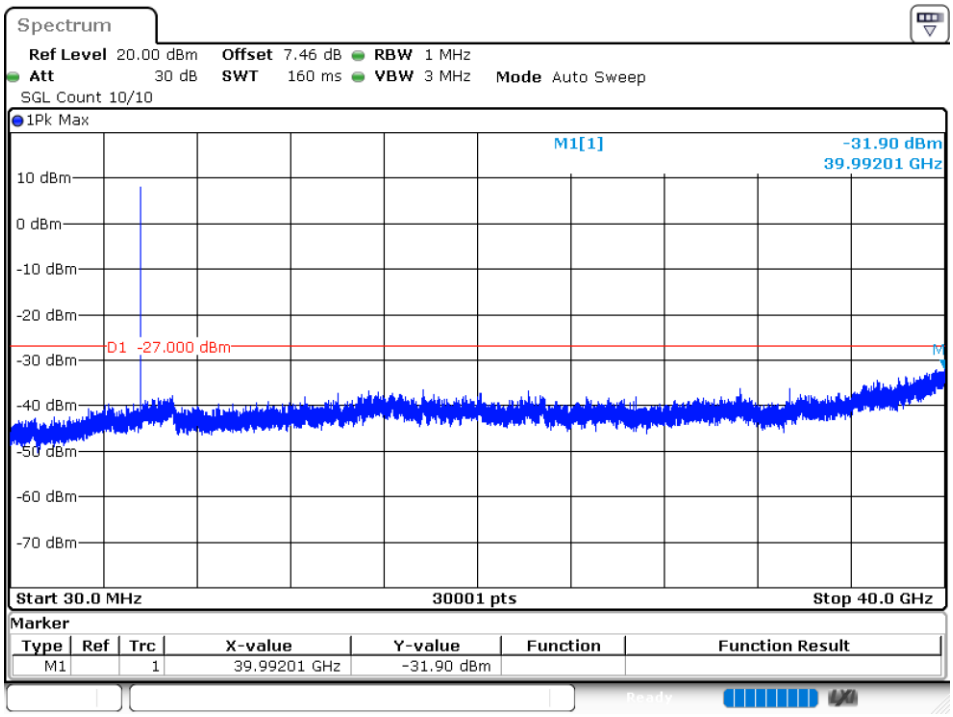
Tx. Spurious NVNT a 5700MHz Ant1 Emission



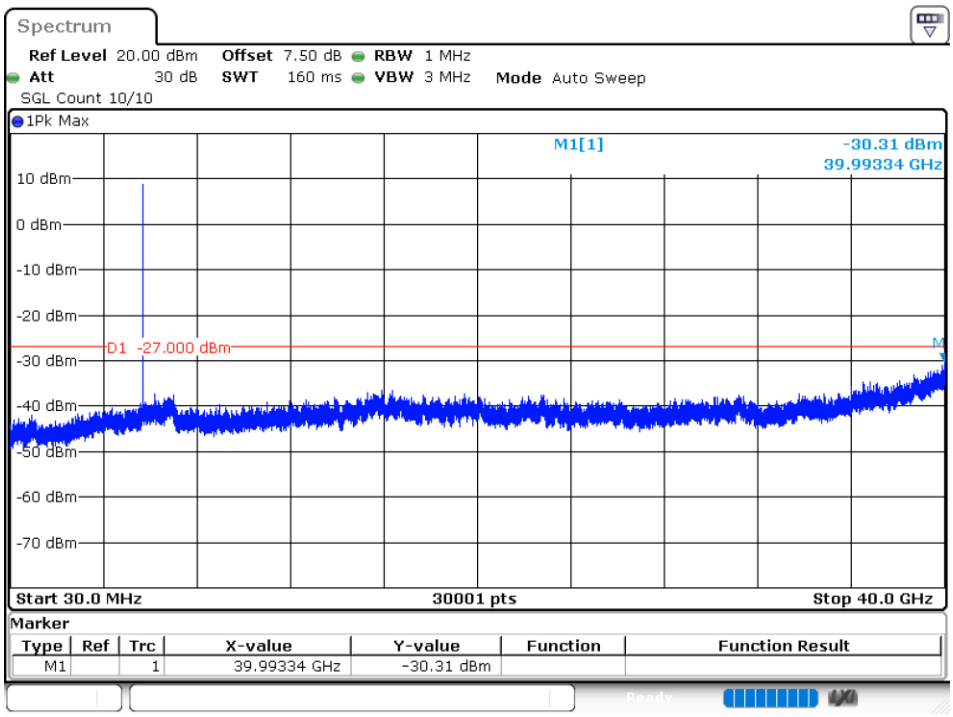
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



Tx. Spurious NVNT n20 5600MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission



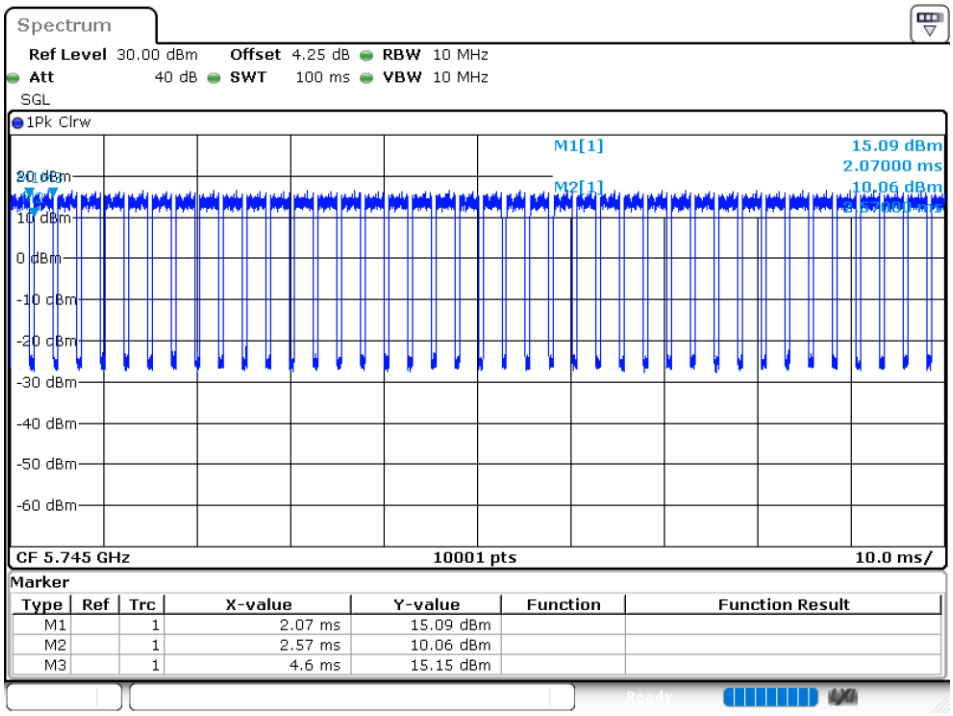
5.8G

Duty Cycle

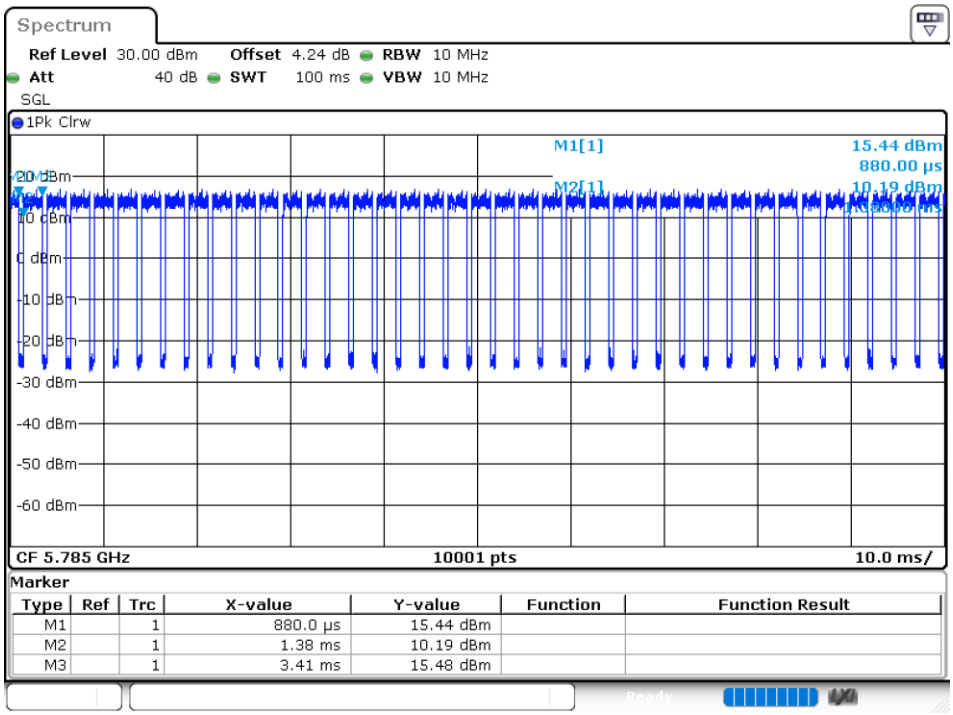
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	80.76	0.93	0.49
NVNT	a	5785	Ant1	80.31	0.95	0.49
NVNT	a	5825	Ant1	80.78	0.93	0.5
NVNT	n20	5745	Ant1	65.58	1.83	1.08
NVNT	n20	5785	Ant1	65.64	1.83	1.08
NVNT	n20	5825	Ant1	65.58	1.83	1.08

Test Graphs

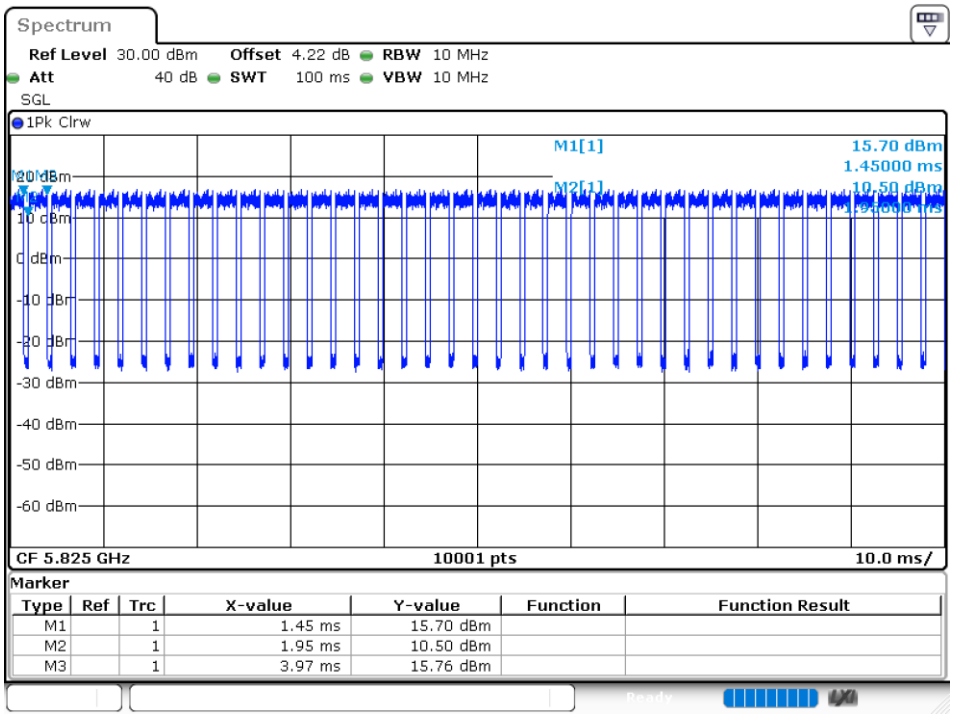
Duty Cycle NVNT a 5745MHz Ant1



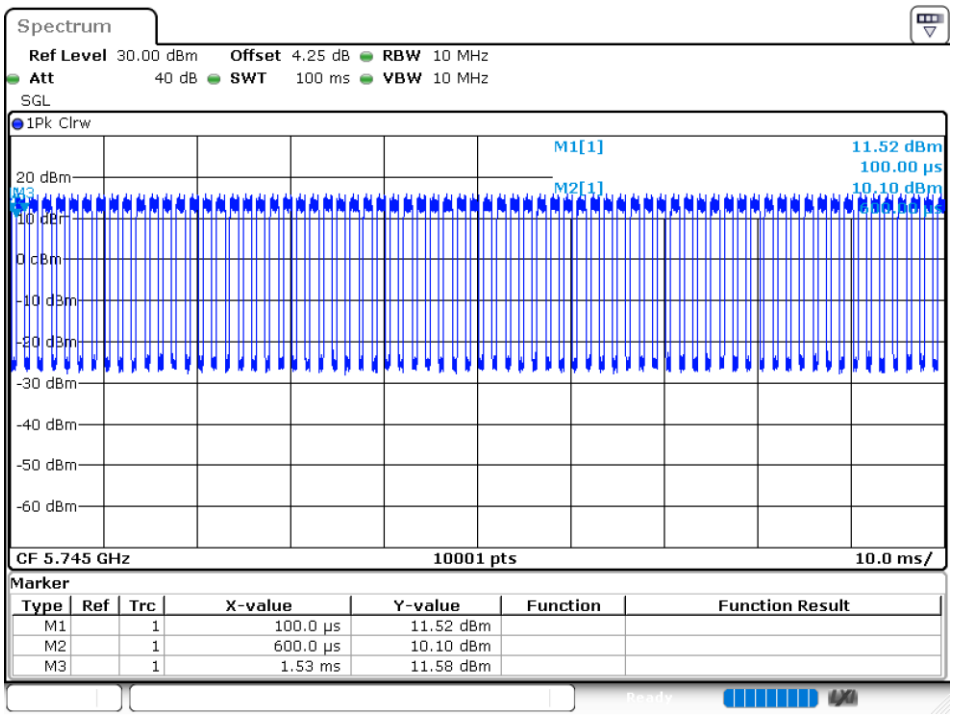
Duty Cycle NVNT a 5785MHz Ant1



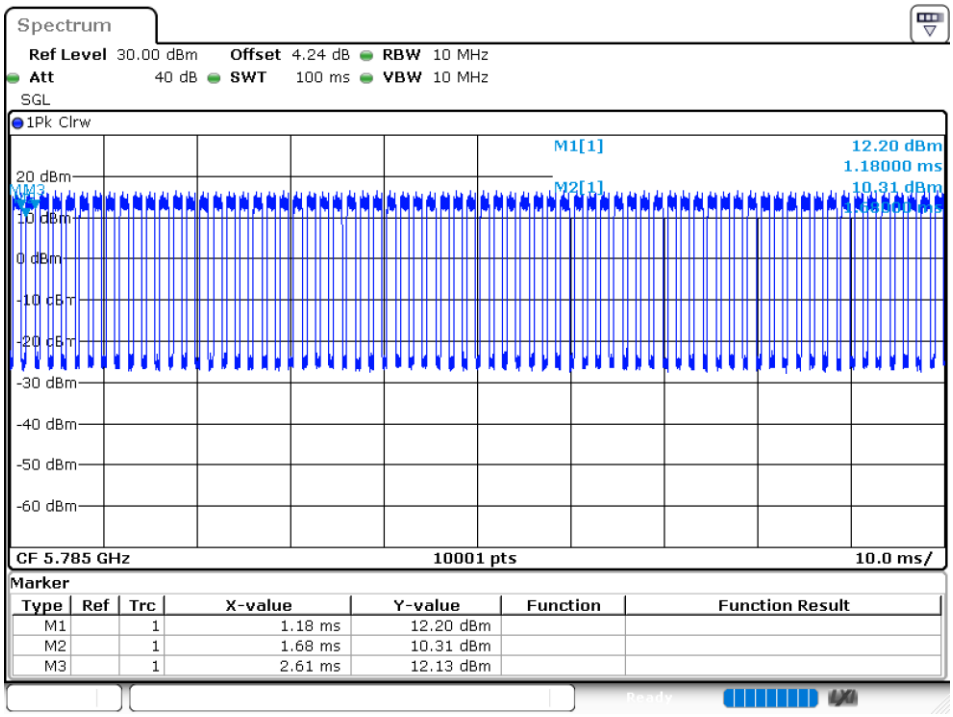
Duty Cycle NVNT a 5825MHz Ant1



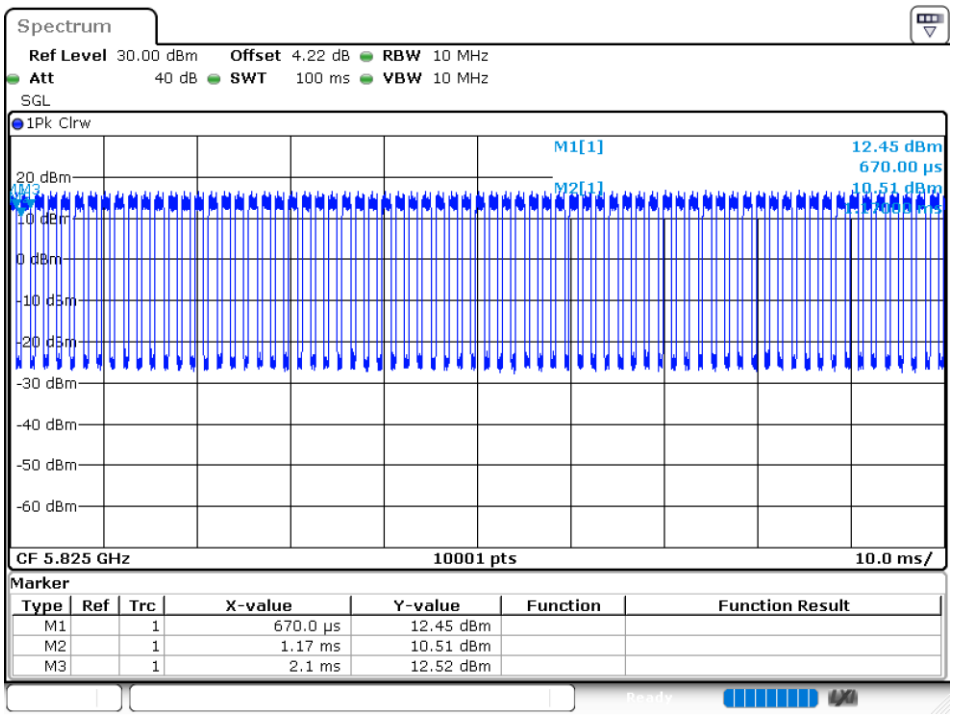
Duty Cycle NVNT n20 5745MHz Ant1



Duty Cycle NVNT n20 5785MHz Ant1



Duty Cycle NVNT n20 5825MHz Ant1



Maximum Conducted Output Power

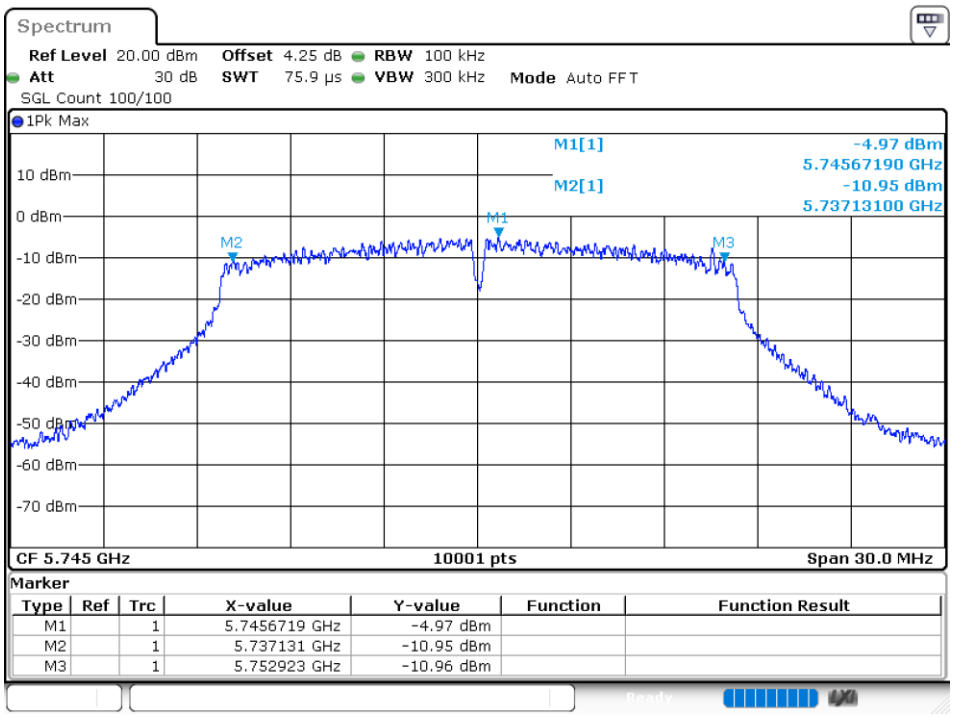
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.69	30	Pass
NVNT	a	5785	Ant1	9.66	30	Pass
NVNT	a	5825	Ant1	9.87	30	Pass
NVNT	n20	5745	Ant1	9.48	30	Pass
NVNT	n20	5785	Ant1	9.42	30	Pass
NVNT	n20	5825	Ant1	9.41	30	Pass

-6dB Bandwidth

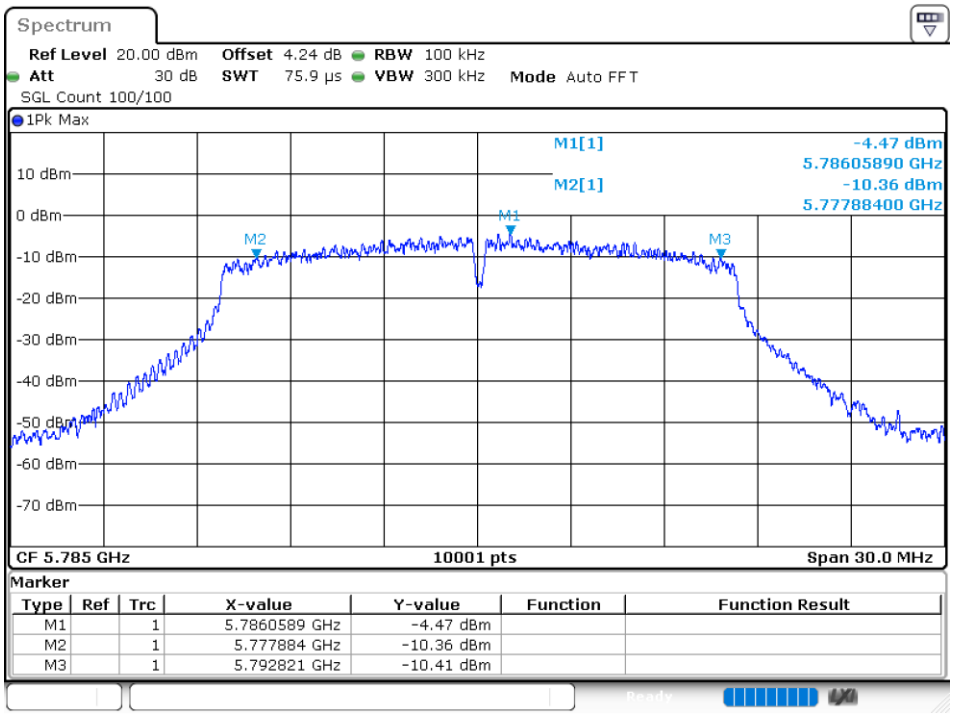
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	15.792	0.5	Pass
NVNT	a	5785	Ant1	14.937	0.5	Pass
NVNT	a	5825	Ant1	15.078	0.5	Pass
NVNT	n20	5745	Ant1	13.833	0.5	Pass
NVNT	n20	5785	Ant1	15.303	0.5	Pass
NVNT	n20	5825	Ant1	11.607	0.5	Pass

Test Graphs

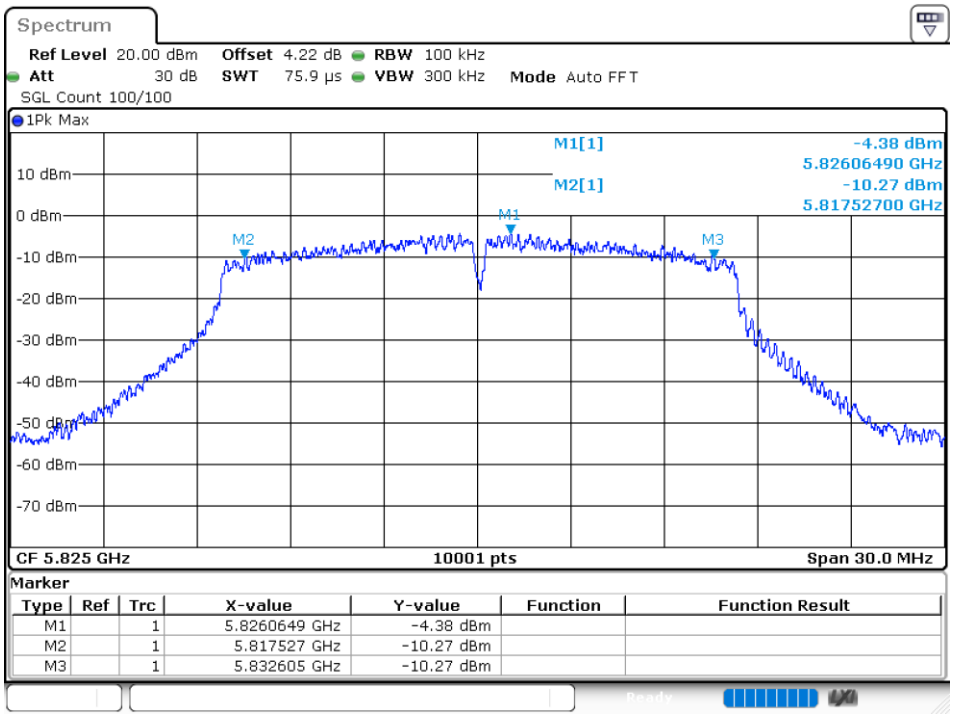
-6dB Bandwidth NVNT a 5745MHz Ant1



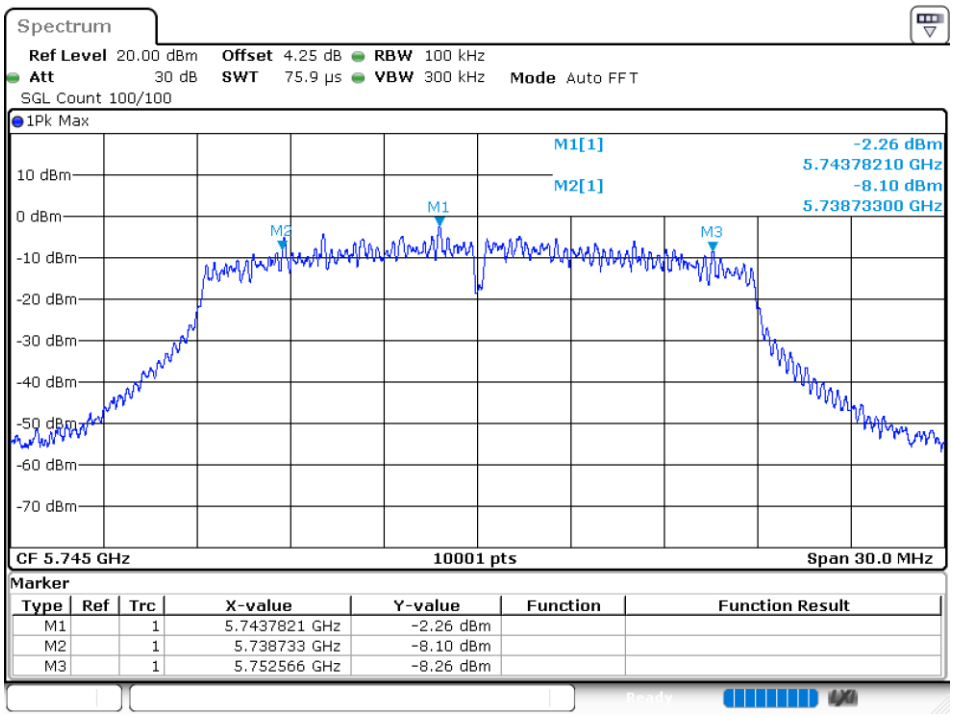
-6dB Bandwidth NVNT a 5785MHz Ant1



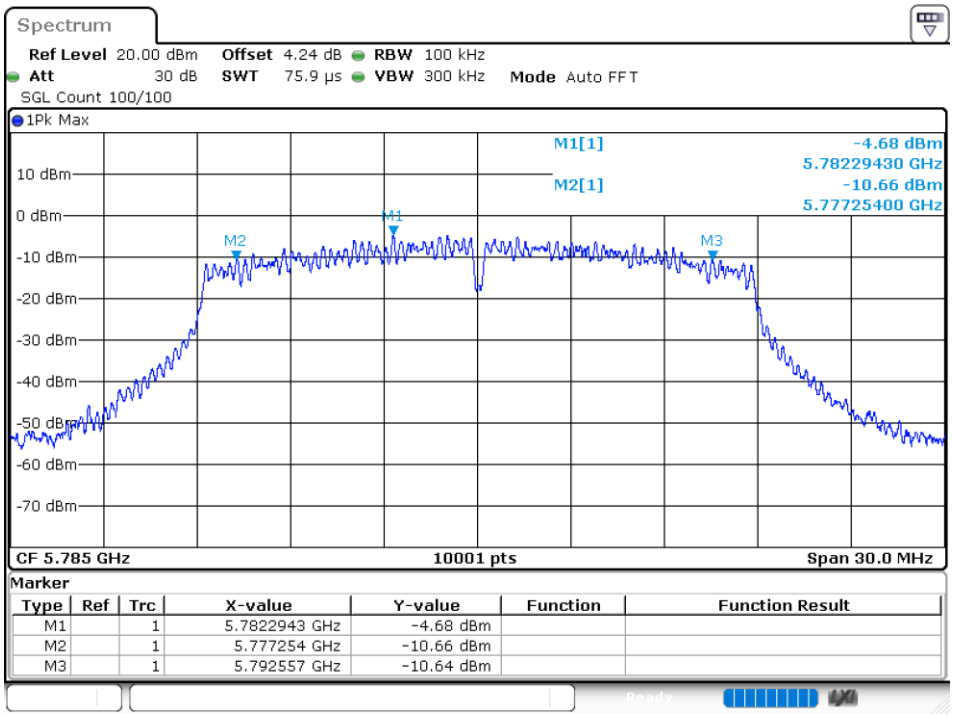
-6dB Bandwidth NVNT a 5825MHz Ant1



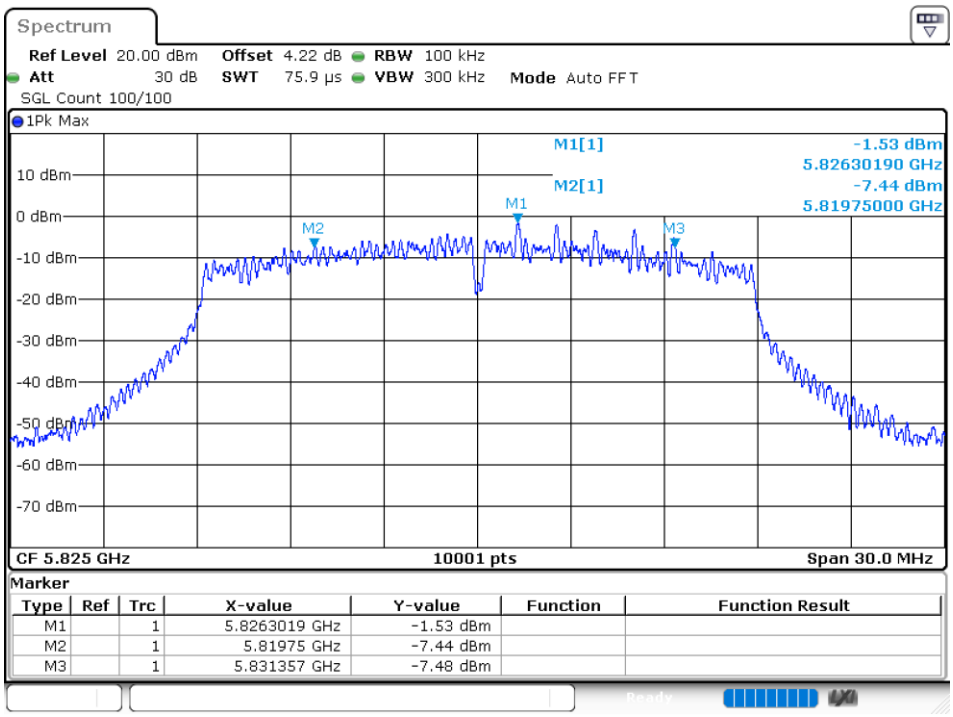
-6dB Bandwidth NVNT n20 5745MHz Ant1



-6dB Bandwidth NVNT n20 5785MHz Ant1



-6dB Bandwidth NVNT n20 5825MHz Ant1

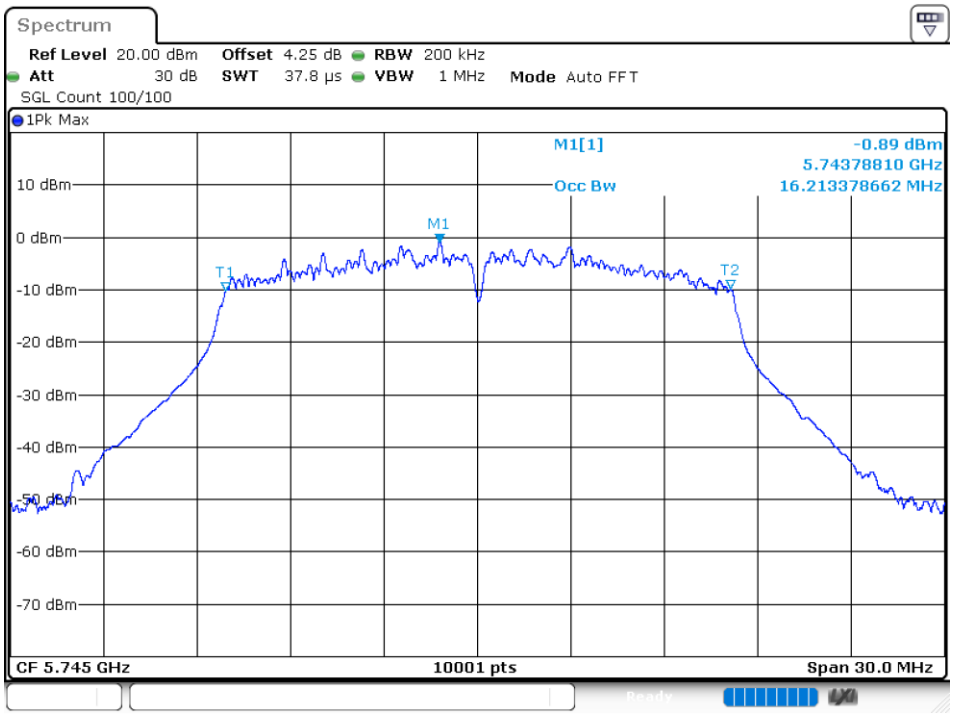


Occupied Channel Bandwidth

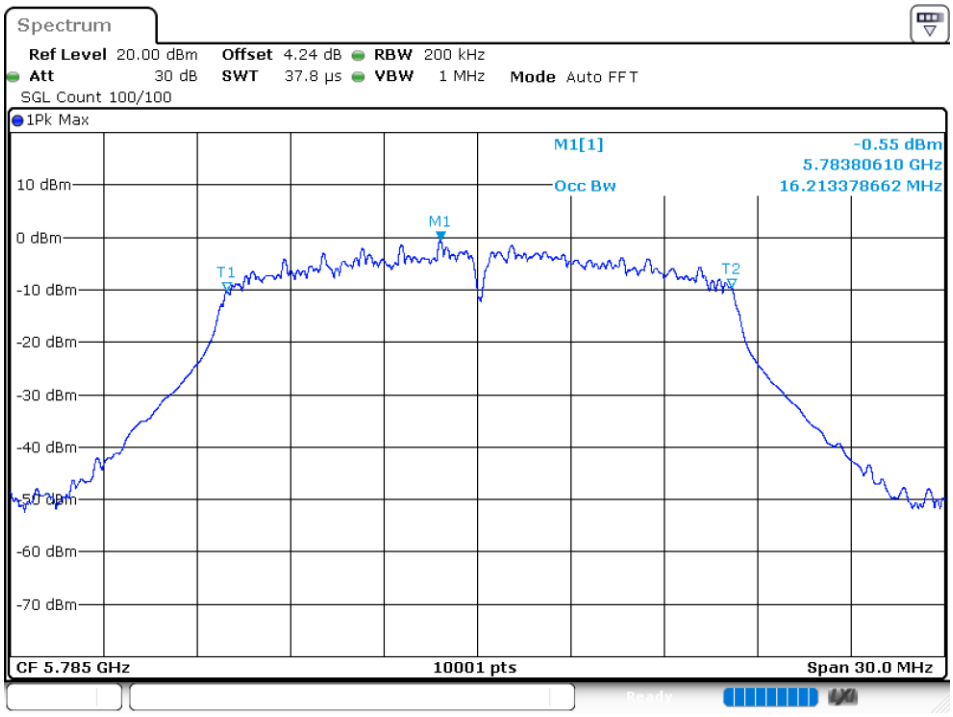
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.213
NVNT	a	5785	Ant1	16.213
NVNT	a	5825	Ant1	16.153
NVNT	n20	5745	Ant1	17.404
NVNT	n20	5785	Ant1	17.311
NVNT	n20	5825	Ant1	17.293

Test Graphs

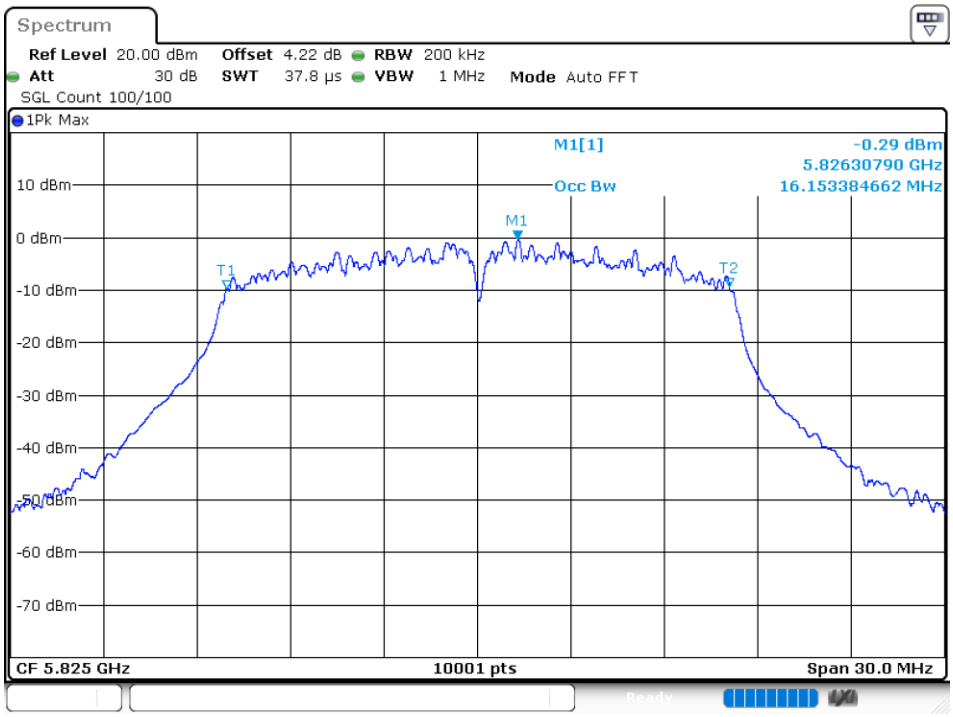
OBW NVNT a 5745MHz Ant1



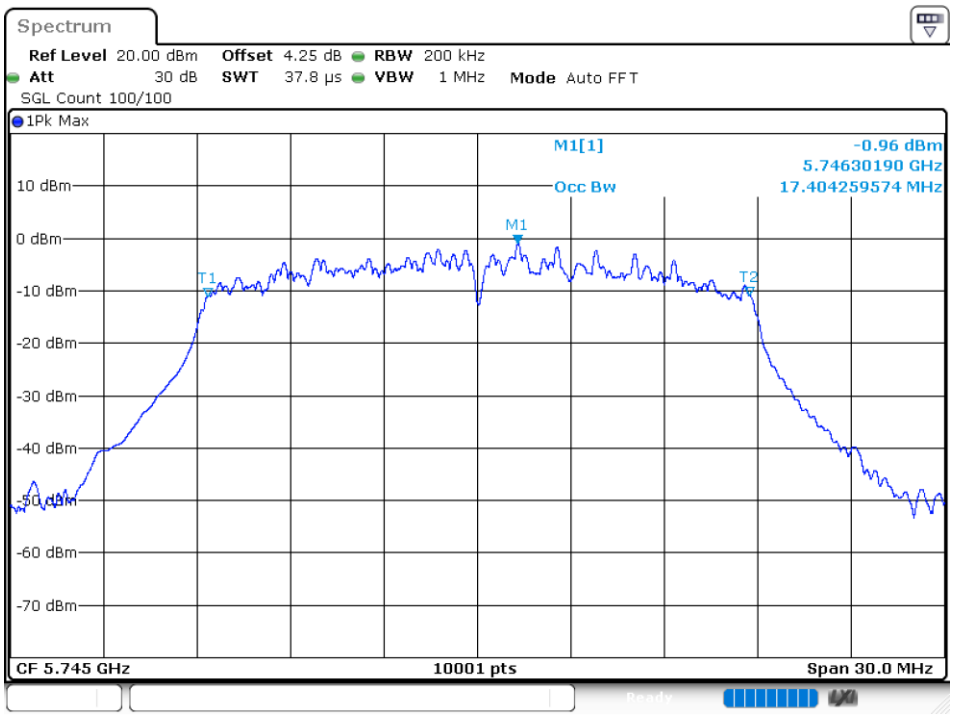
OBW NVNT a 5785MHz Ant1



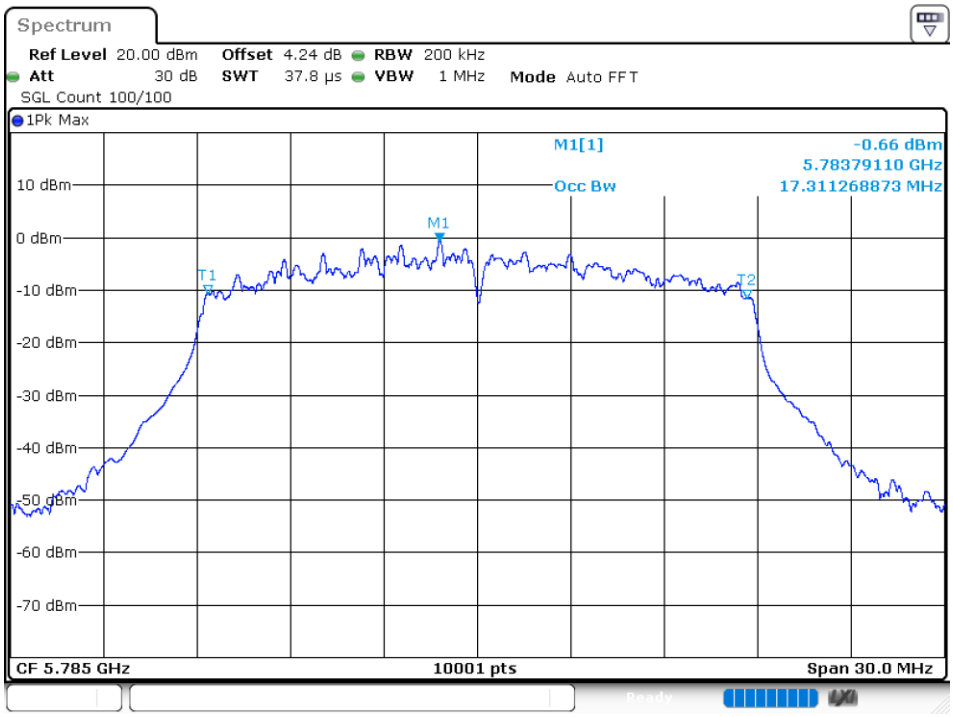
OBW NVNT a 5825MHz Ant1



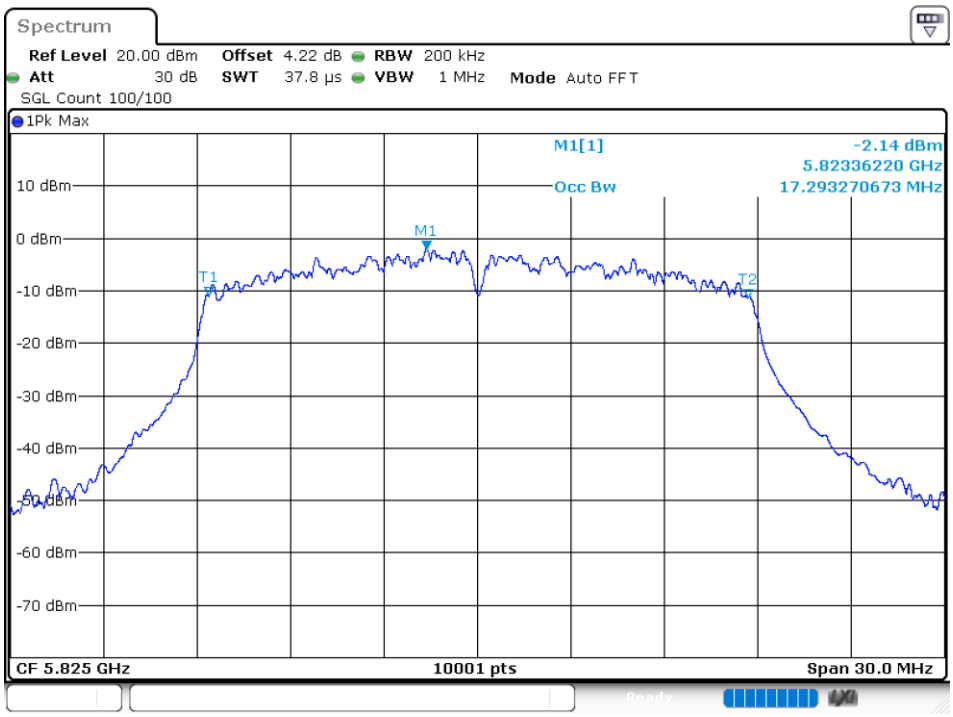
OBW NVNT n20 5745MHz Ant1



OBW NVNT n20 5785MHz Ant1



OBW NVNT n20 5825MHz Ant1

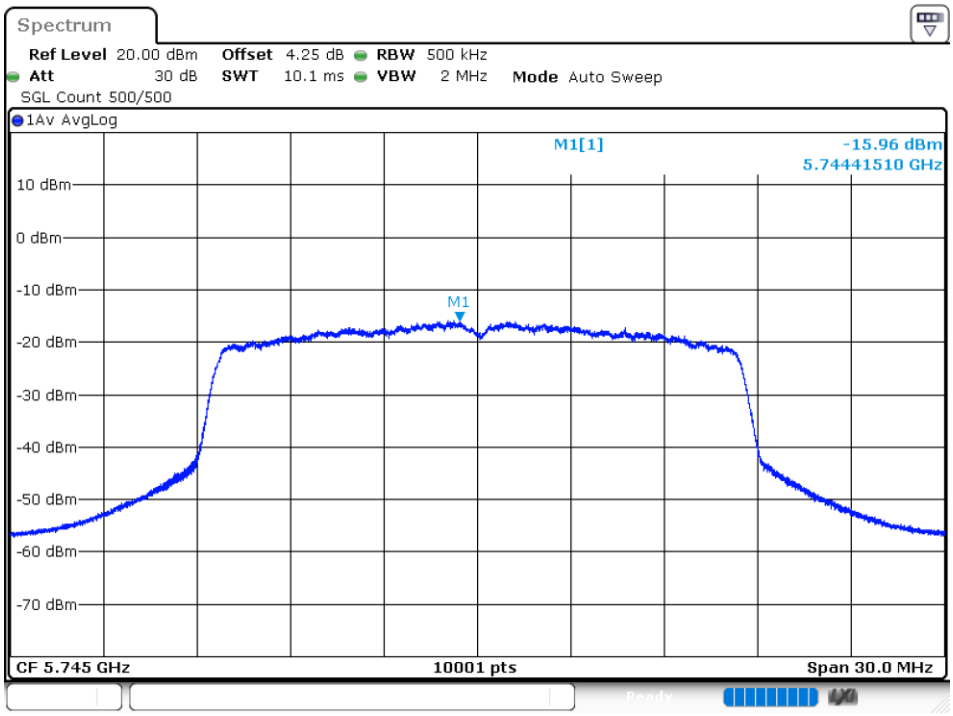


Maximum Power Spectral Density Level

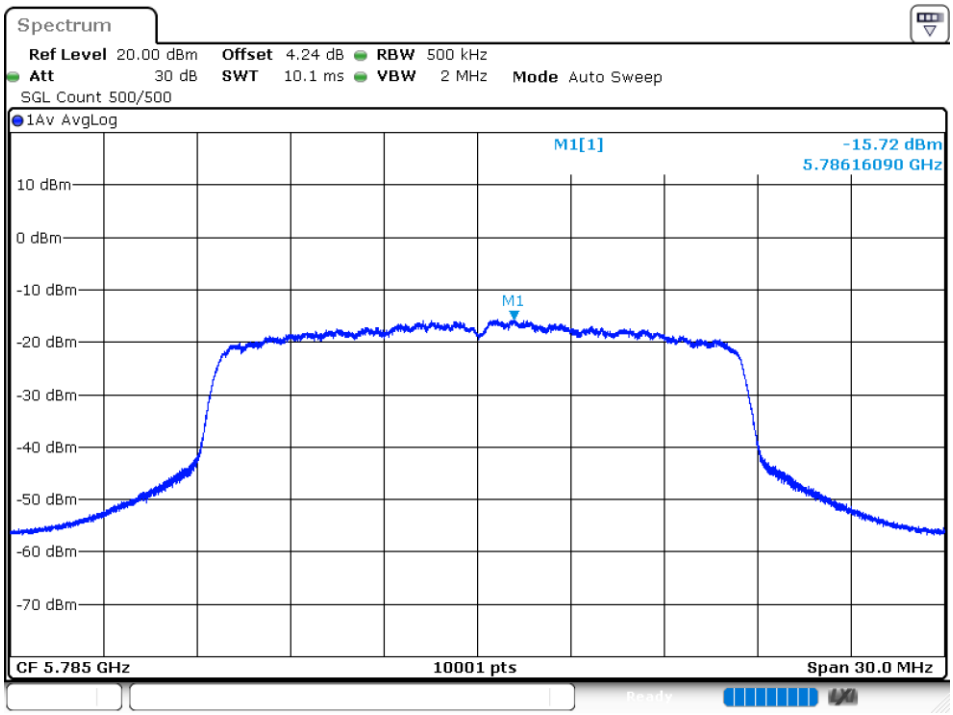
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-15.96	0.93	-15.03	30	Pass
NVNT	a	5785	Ant1	-15.72	0.95	-14.77	30	Pass
NVNT	a	5825	Ant1	-15.51	0.93	-14.58	30	Pass
NVNT	n20	5745	Ant1	-23.93	1.83	-22.1	30	Pass
NVNT	n20	5785	Ant1	-23.34	1.83	-21.51	30	Pass
NVNT	n20	5825	Ant1	-21.97	1.83	-20.14	30	Pass

Test Graphs

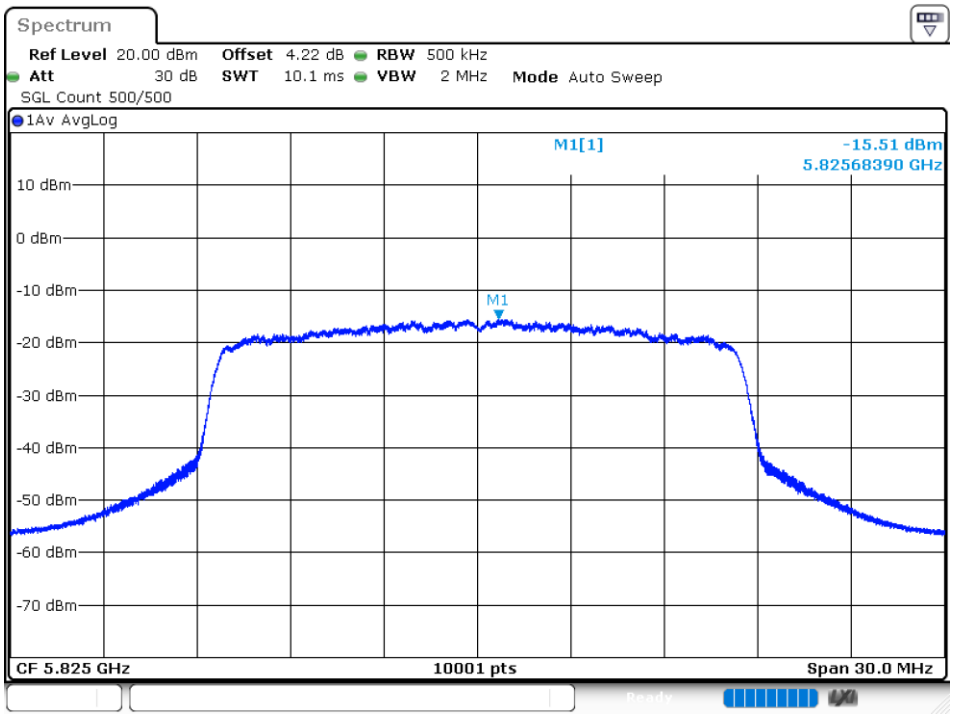
PSD NVNT a 5745MHz Ant1



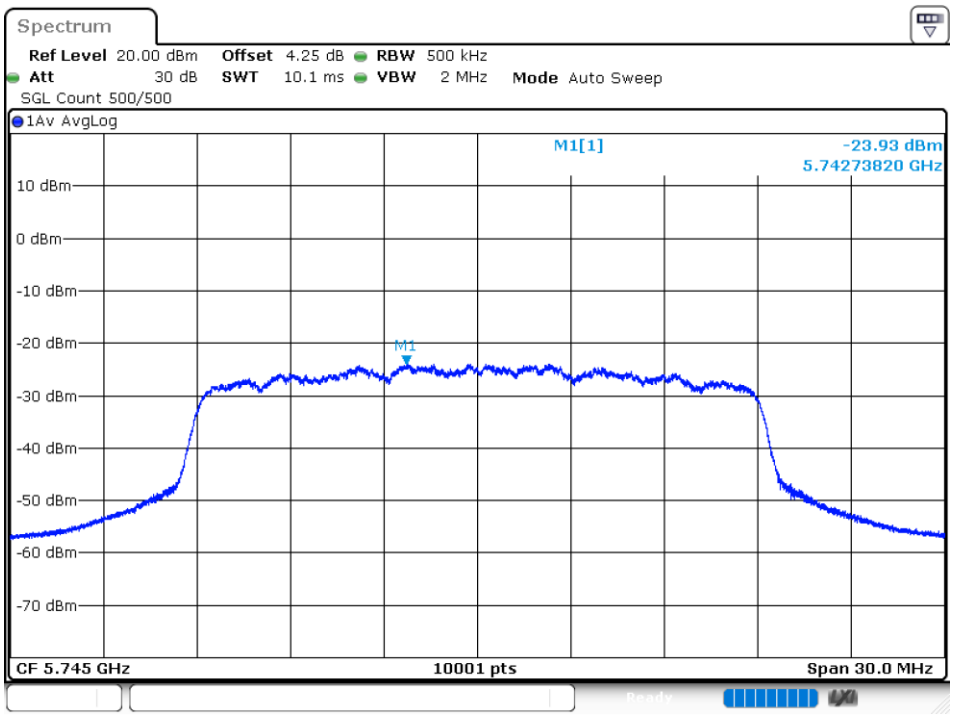
PSD NVNT a 5785MHz Ant1



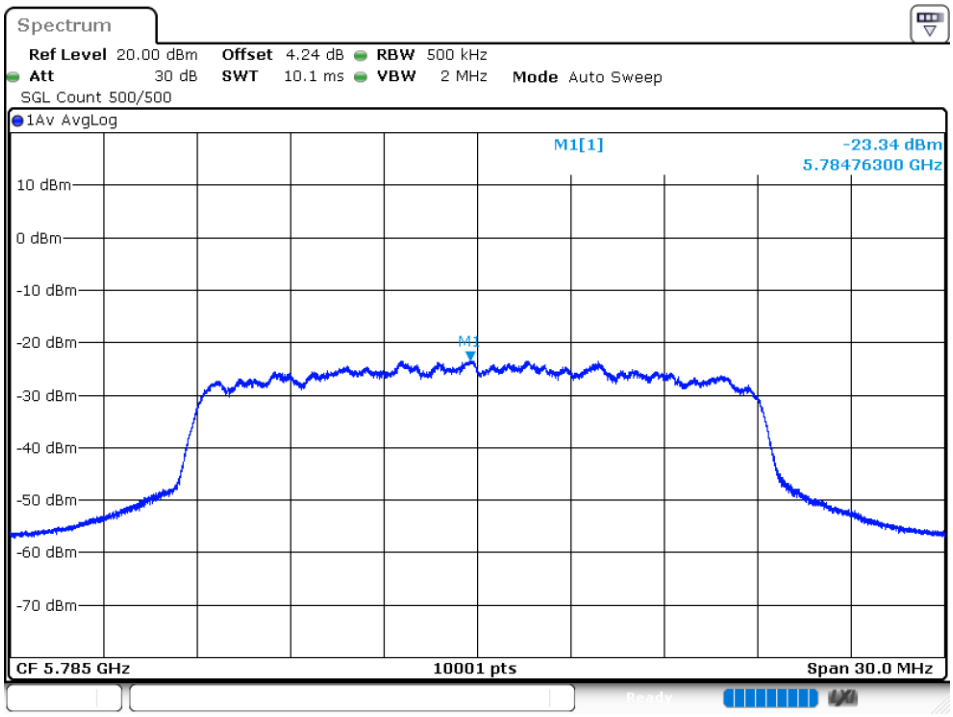
PSD NVNT a 5825MHz Ant1



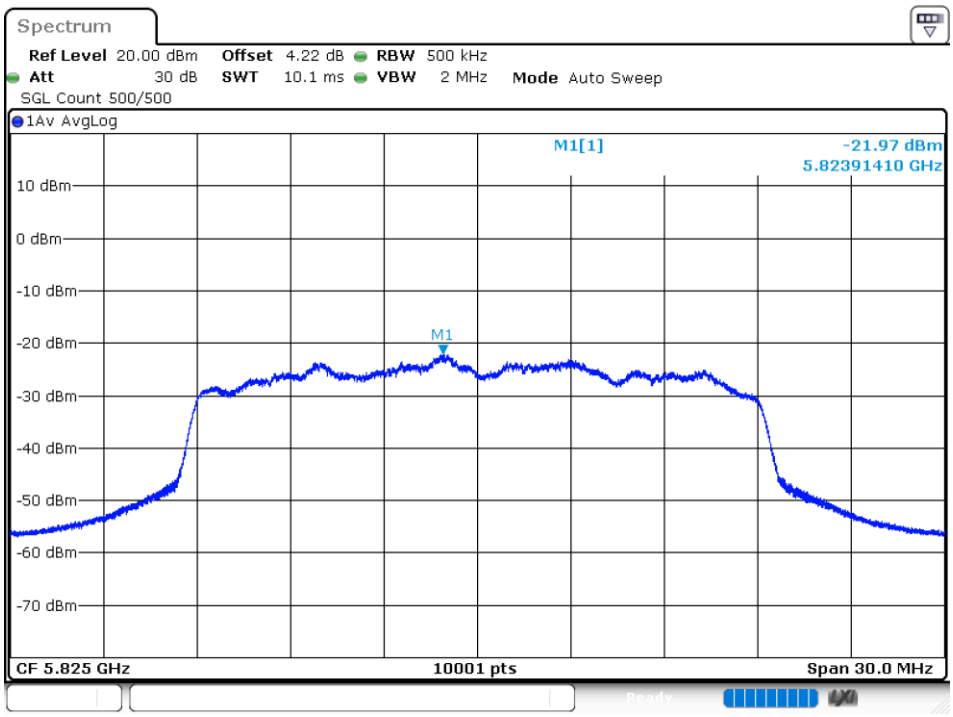
PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



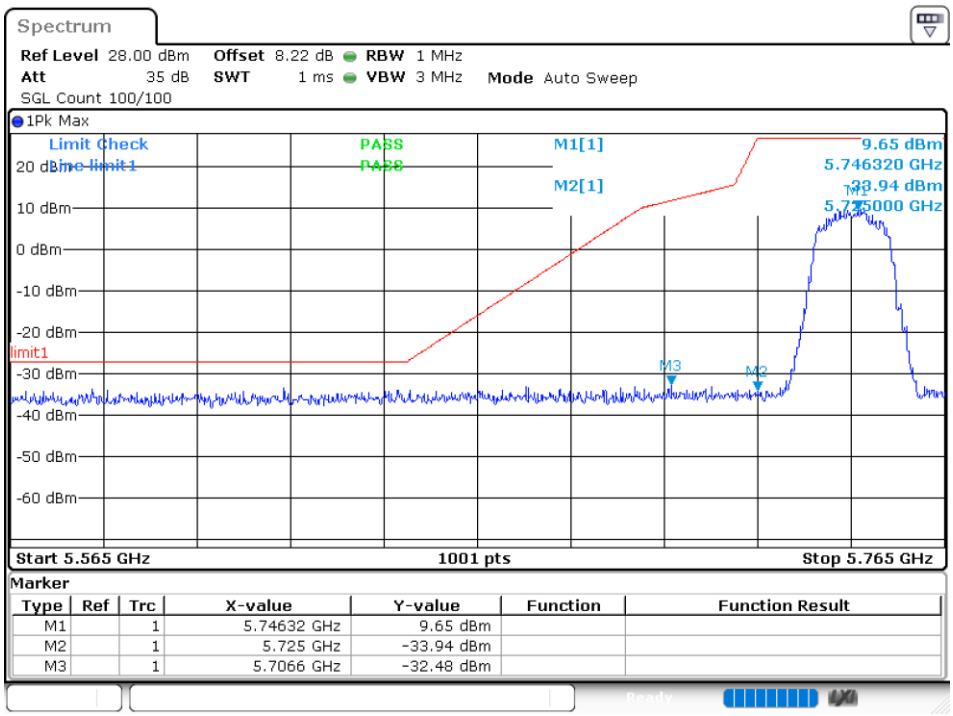
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-32.47	Pass
NVNT	a	5825	Ant1	-30.84	Pass
NVNT	n20	5745	Ant1	-32.07	Pass
NVNT	n20	5825	Ant1	-31.27	Pass

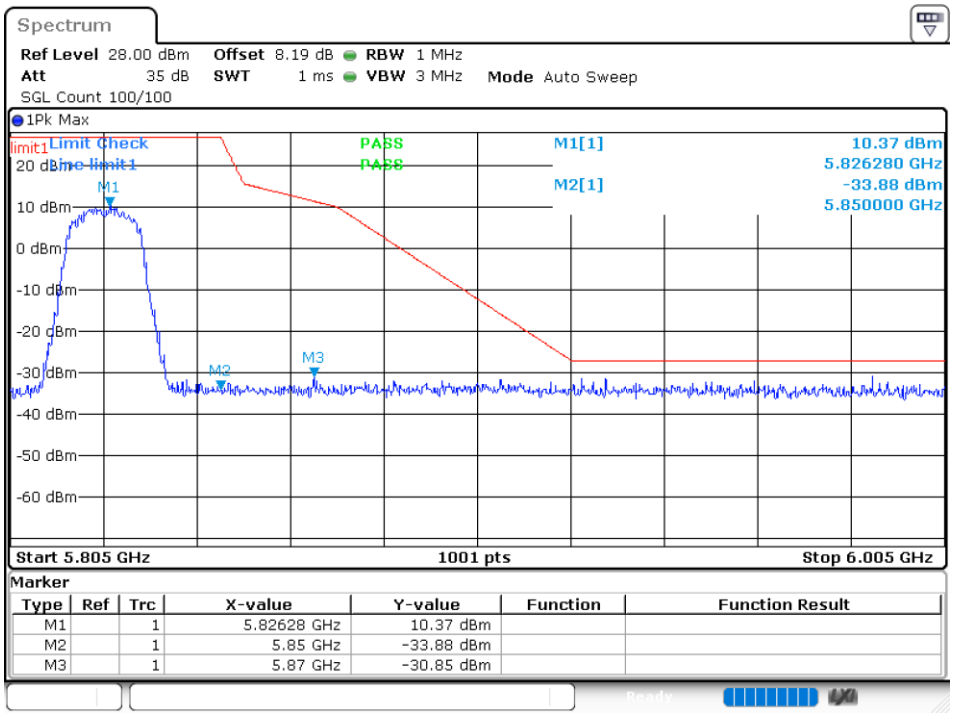
Note: This test has increased antenna gain .

Test Graphs

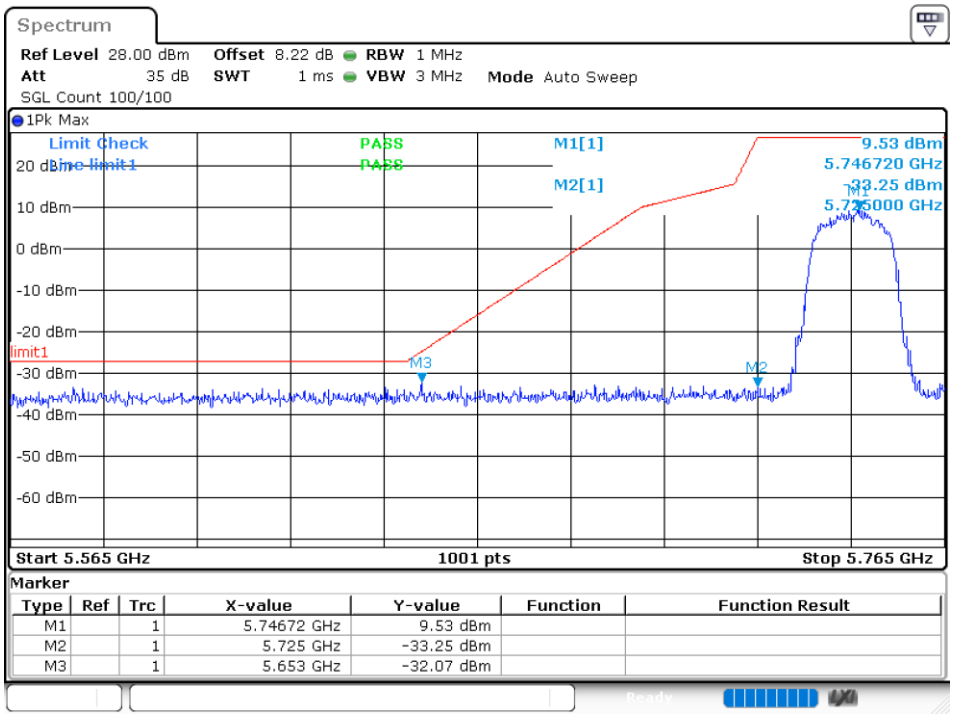
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



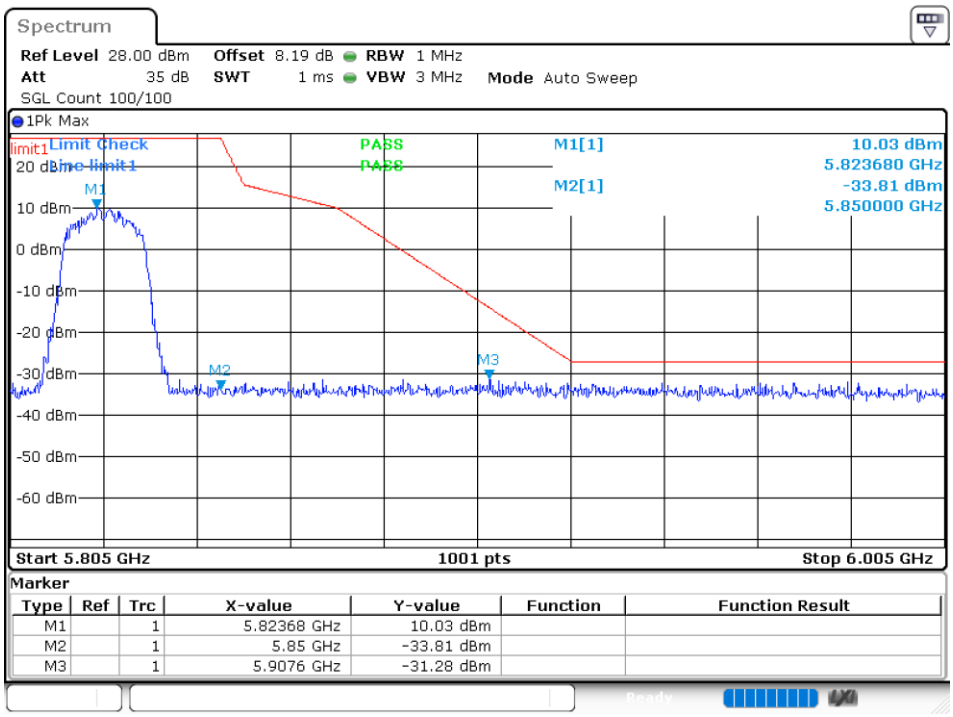
Band Edge NVNT n20 5745MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.74672 GHz	9.53 dBm		
M2		1	5.725 GHz	-33.25 dBm		
M3		1	5.653 GHz	-32.07 dBm		

Band Edge NVNT n20 5825MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.82368 GHz	10.03 dBm		
M2		1	5.85 GHz	-33.81 dBm		
M3		1	5.9076 GHz	-31.28 dBm		

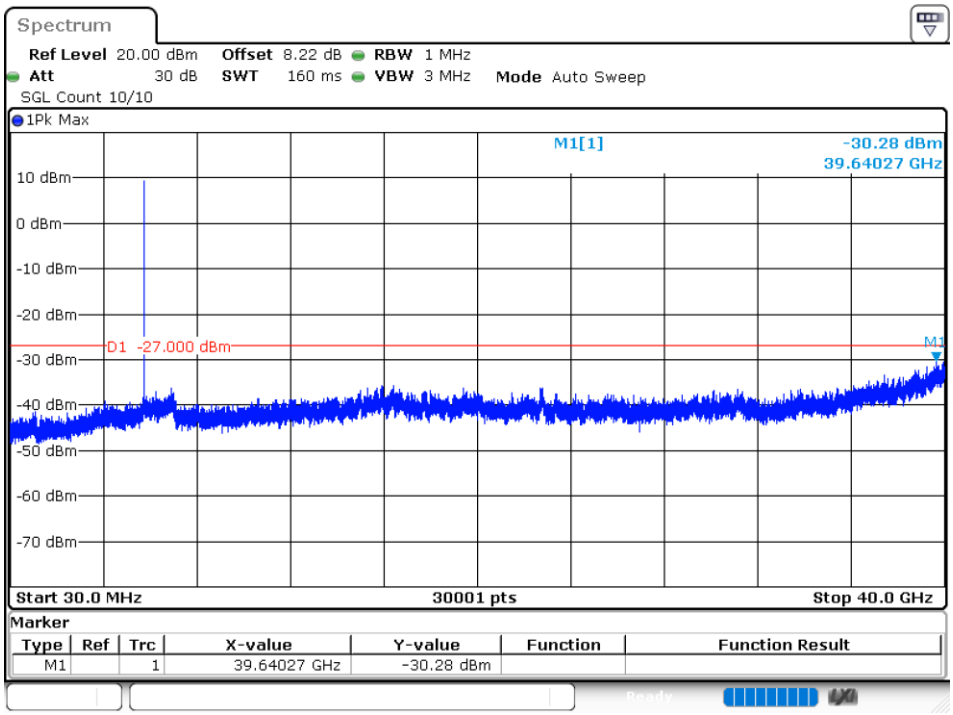
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-30.27	-27	Pass
NVNT	a	5785	Ant1	-30.11	-27	Pass
NVNT	a	5825	Ant1	-30.8	-27	Pass
NVNT	n20	5745	Ant1	-30.4	-27	Pass
NVNT	n20	5785	Ant1	-30.61	-27	Pass
NVNT	n20	5825	Ant1	-30.69	-27	Pass

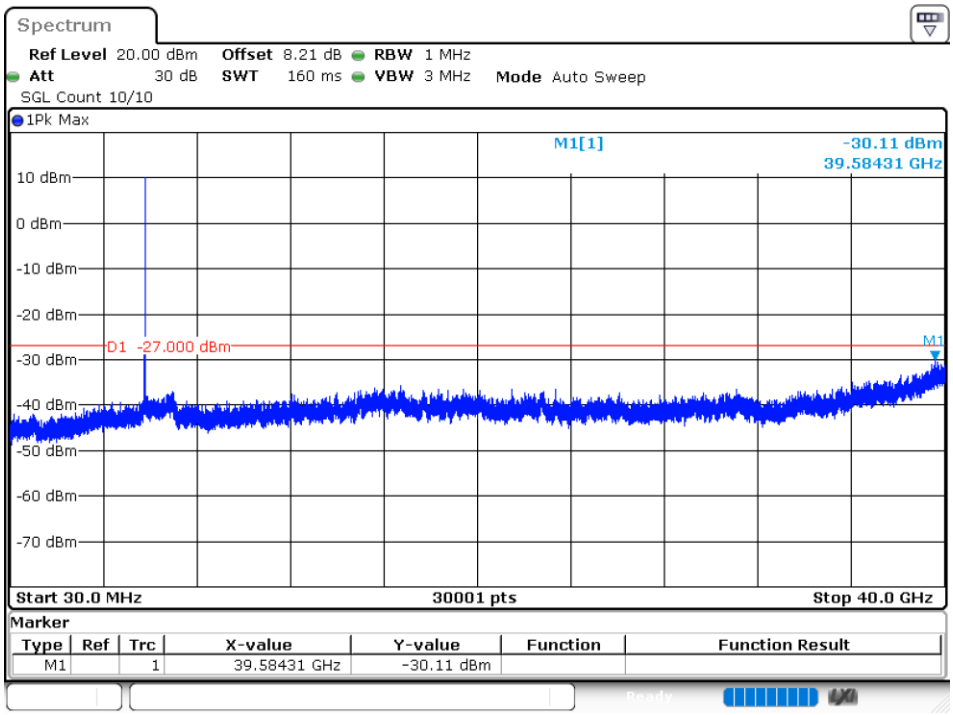
Note: This test has increased antenna gain .

Test Graphs

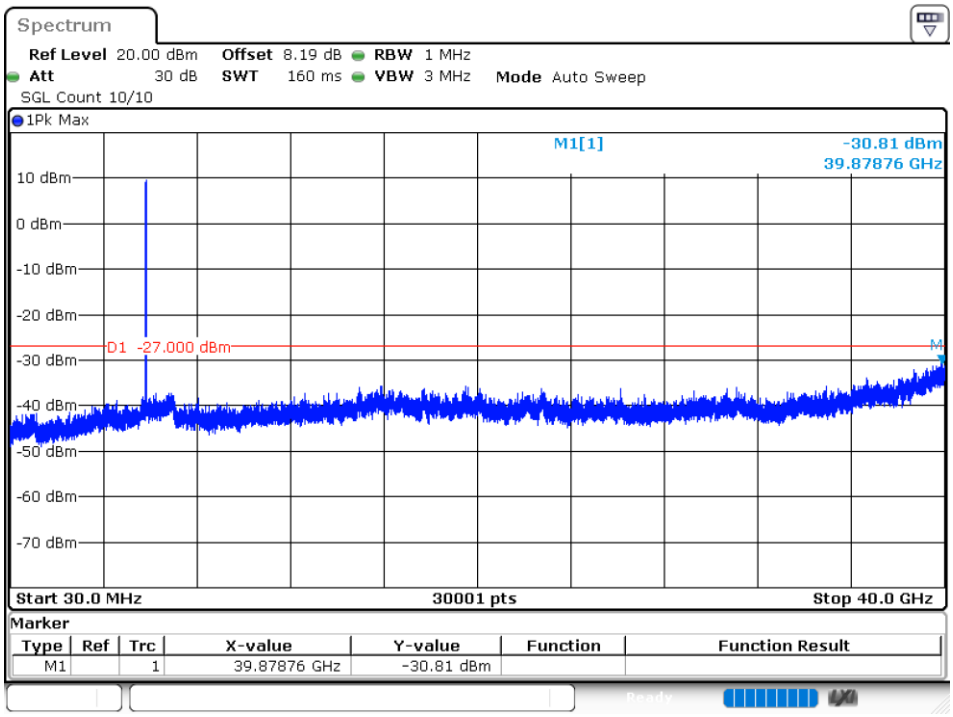
Tx. Spurious NVNT a 5745MHz Ant1 Emission



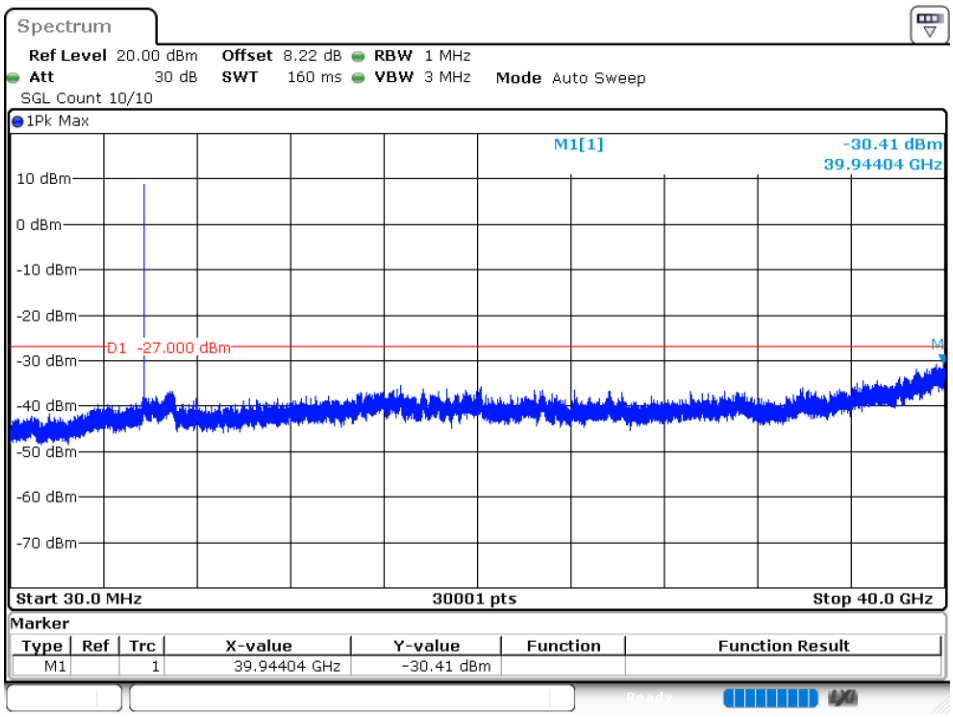
Tx. Spurious NVNT a 5785MHz Ant1 Emission



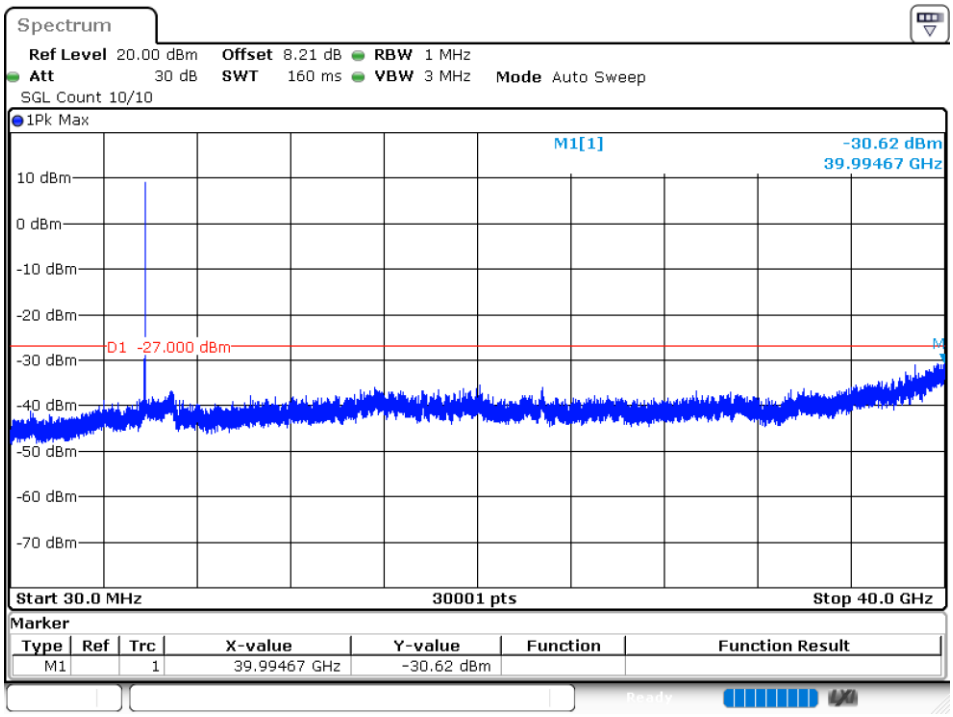
Tx. Spurious NVNT a 5825MHz Ant1 Emission



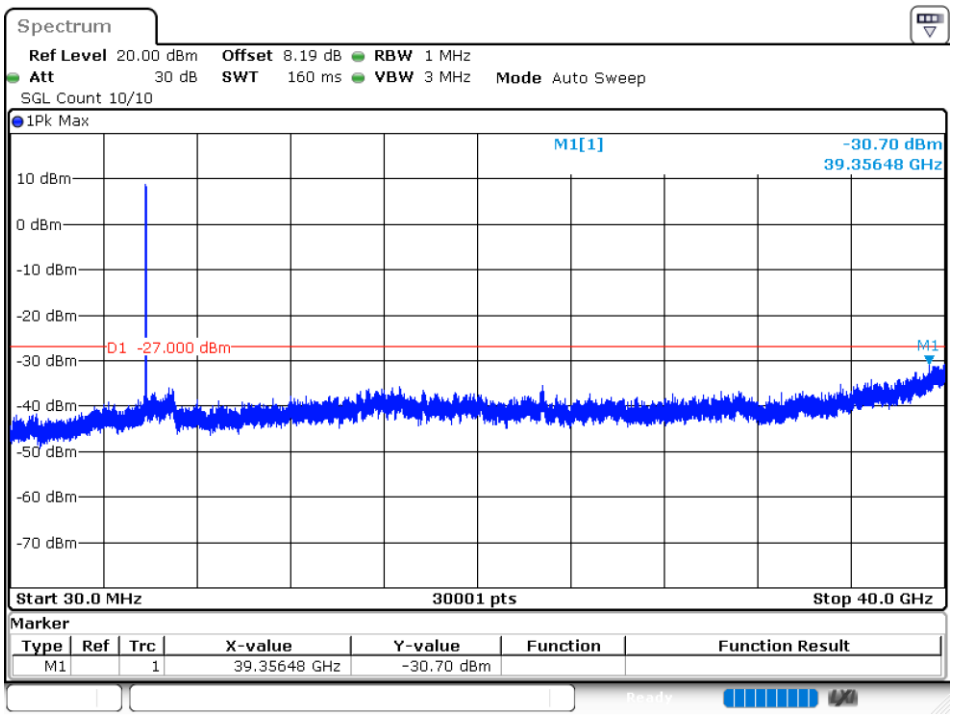
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



Tx. Spurious NVNT n20 5785MHz Ant1 Emission

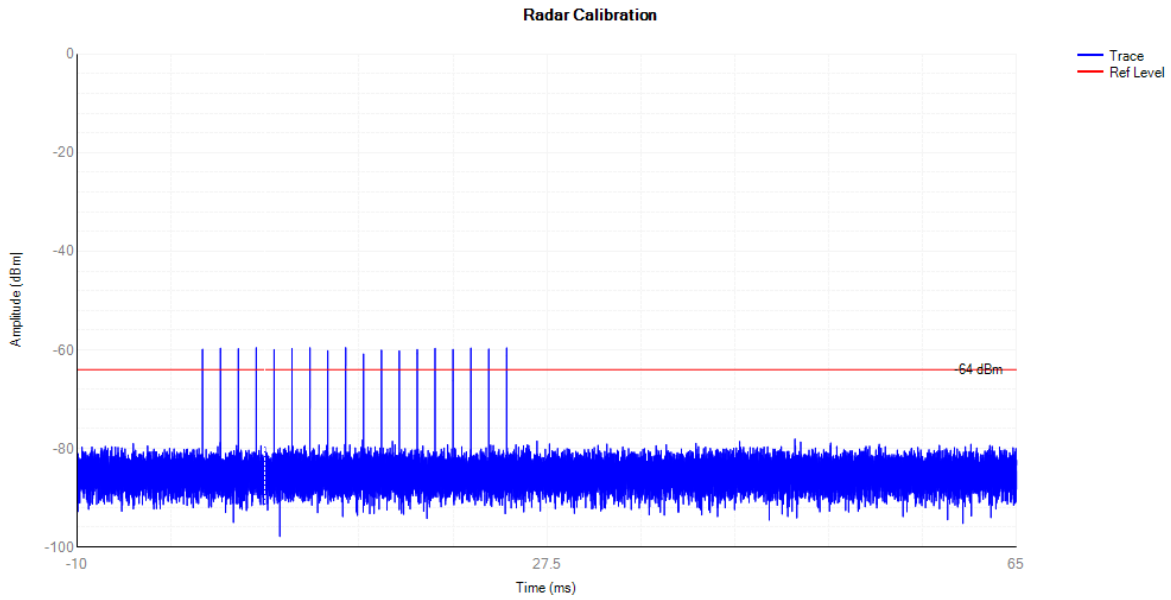


Tx. Spurious NVNT n20 5825MHz Ant1 Emission

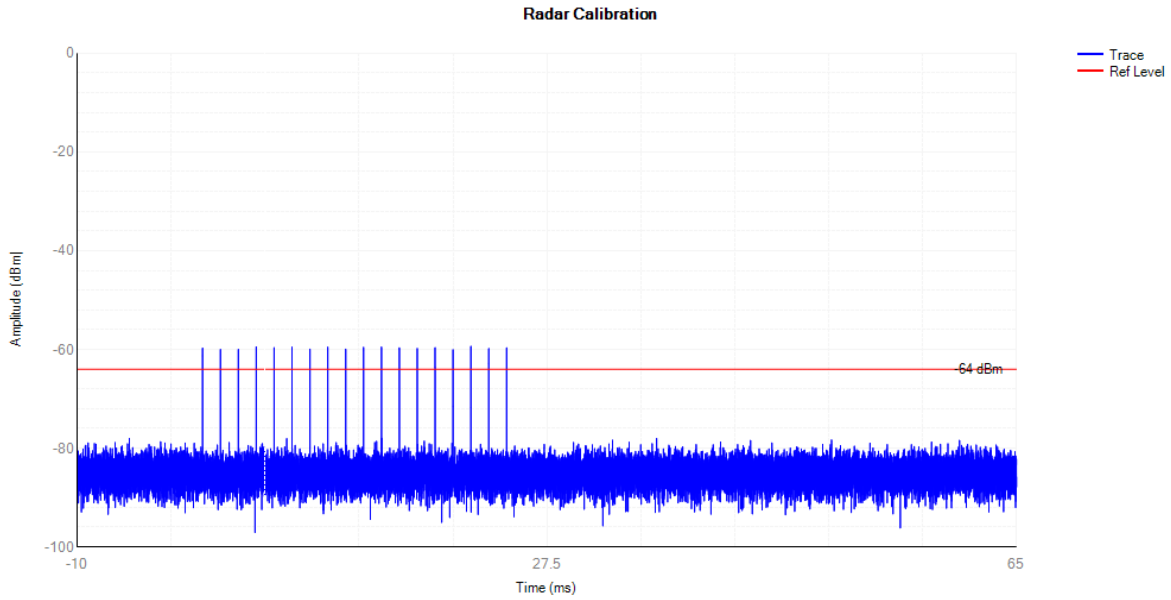


Calibration

5320MHz a DFS_CE_Ref

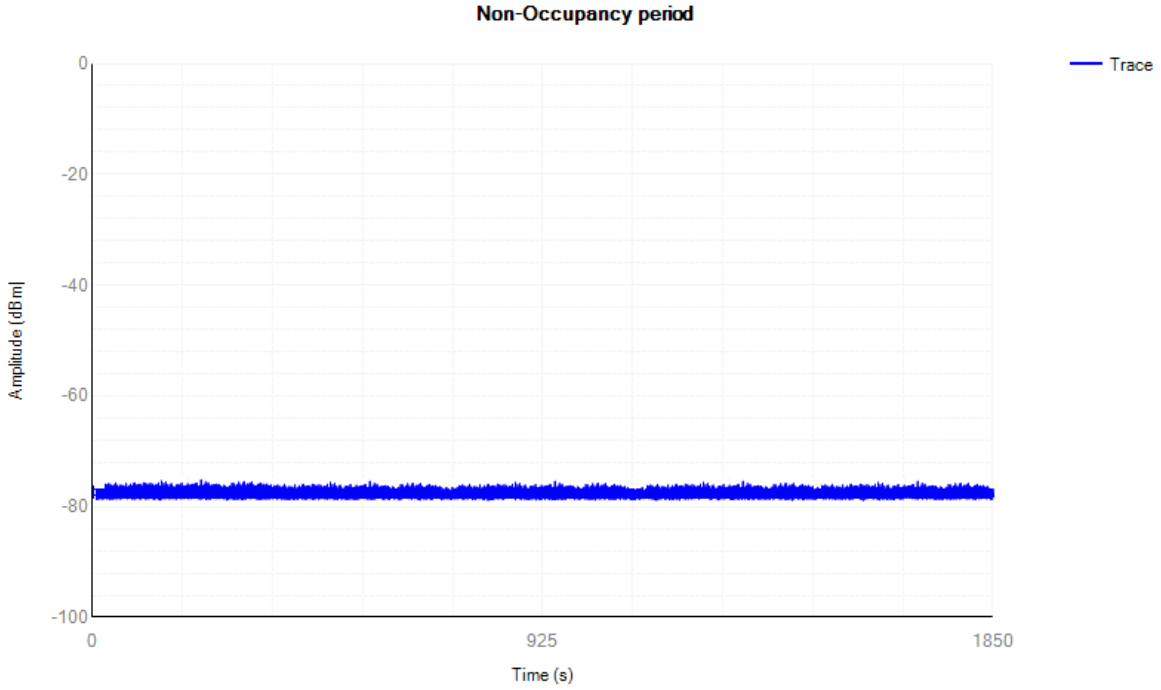


5500MHz a DFS_CE_Ref

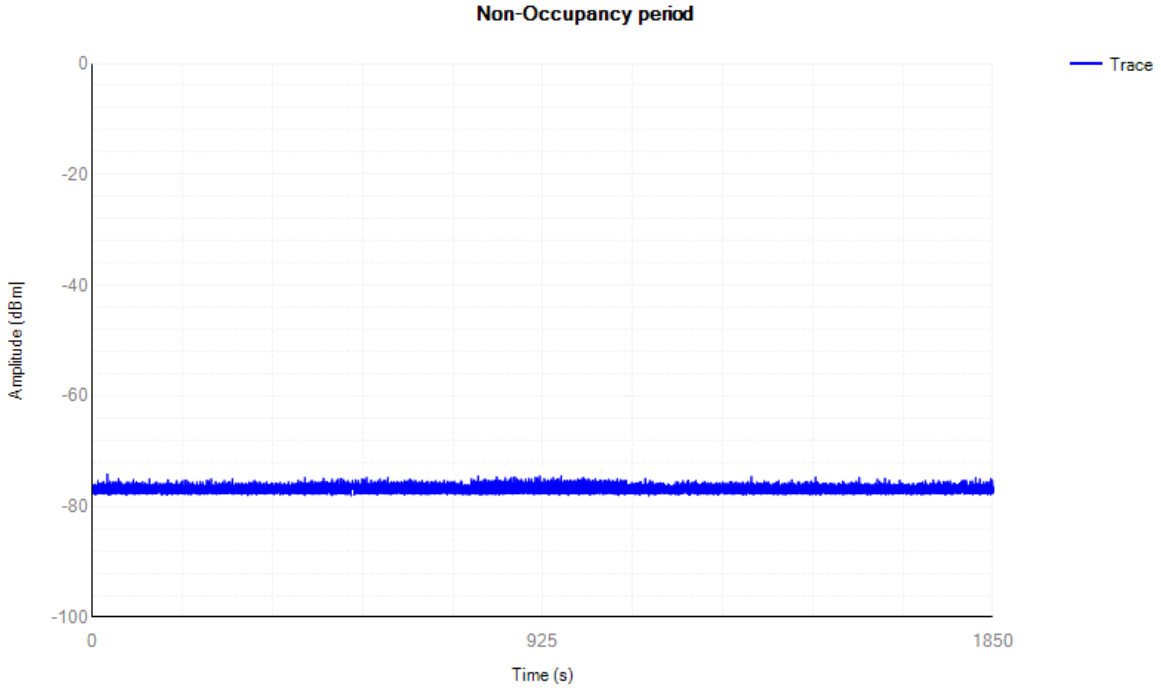


Non-Occupancy

5320MHz a Non-Occupancy



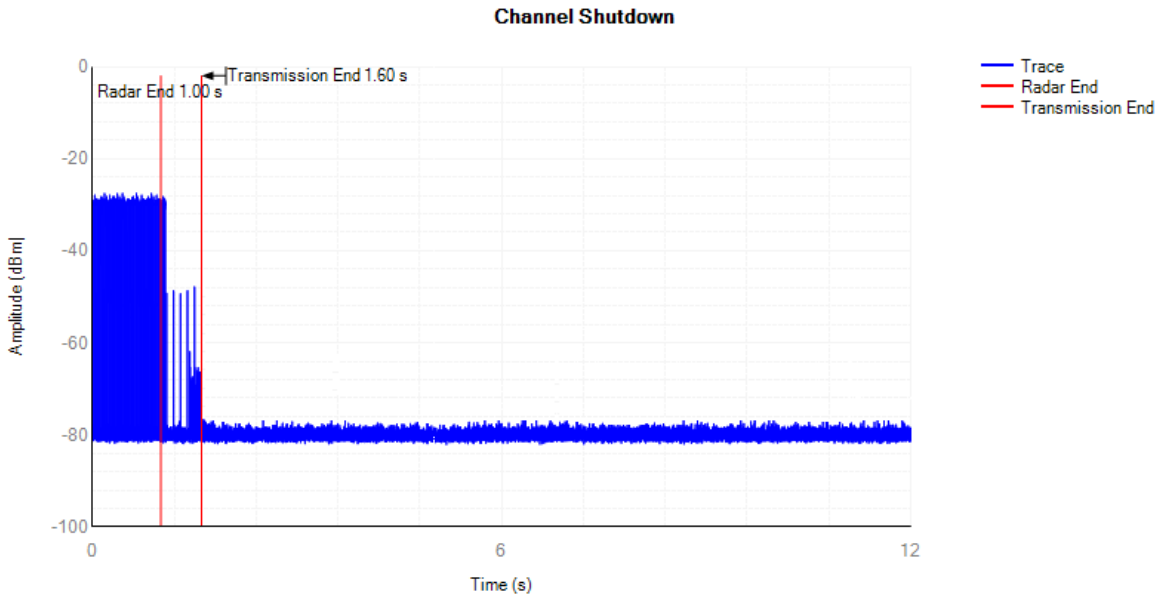
5500MHz a Non-Occupancy



Shutdown Time

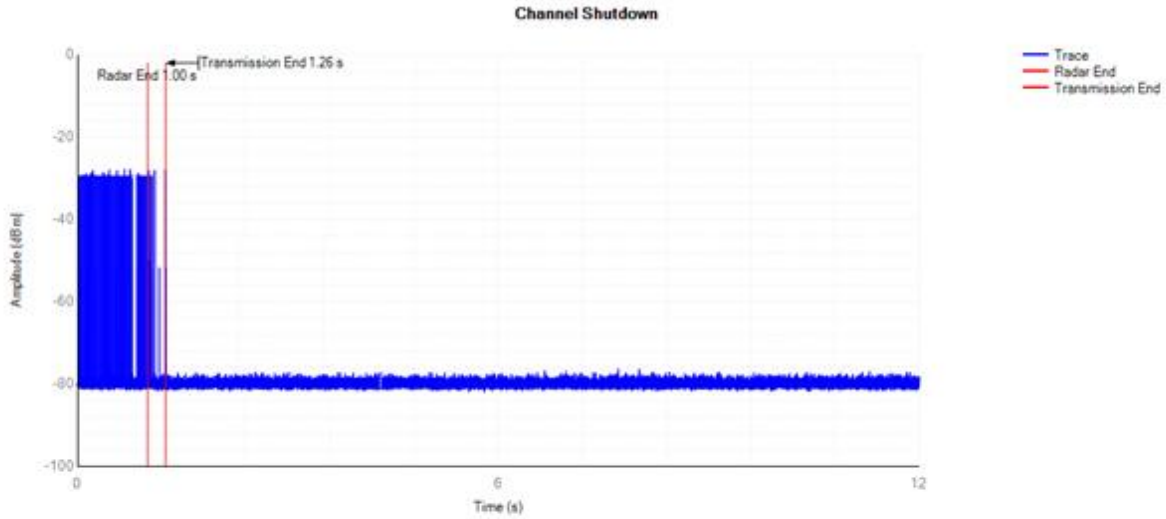
Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Verdict
a	5320	0.596	10	0.0268	1	Pass
a	5500	0.2552	10	0.0032	1	Pass

5320MHz a Shutdown



T0(Radar End): 1.0000 s
Time per Bin: 0.0004 s
Channel Move Time: 0.5960 s
T1(Transmission End): 1.5960 s
Bins Over Threshold(T0-T1): 67
Close Transmission Time: 0.0268 s

5500MHz a Shutdown



T0(Radar End): 1.0000 s
Time per Bin: 0.0004 s
Channel Move Time: 0.2552 s
T1(Transmission End): 1.2552 s
Bins Over Threshold(T0-T1): 8
Close Transmission Time: 0.0032 s