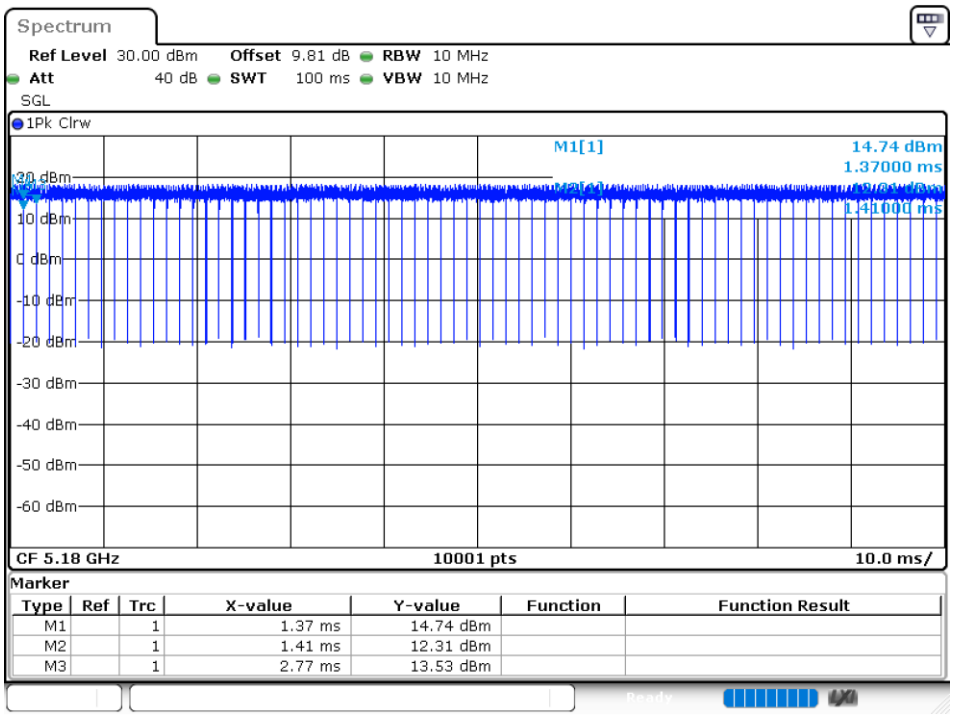
5.2G:

Duty Cycle

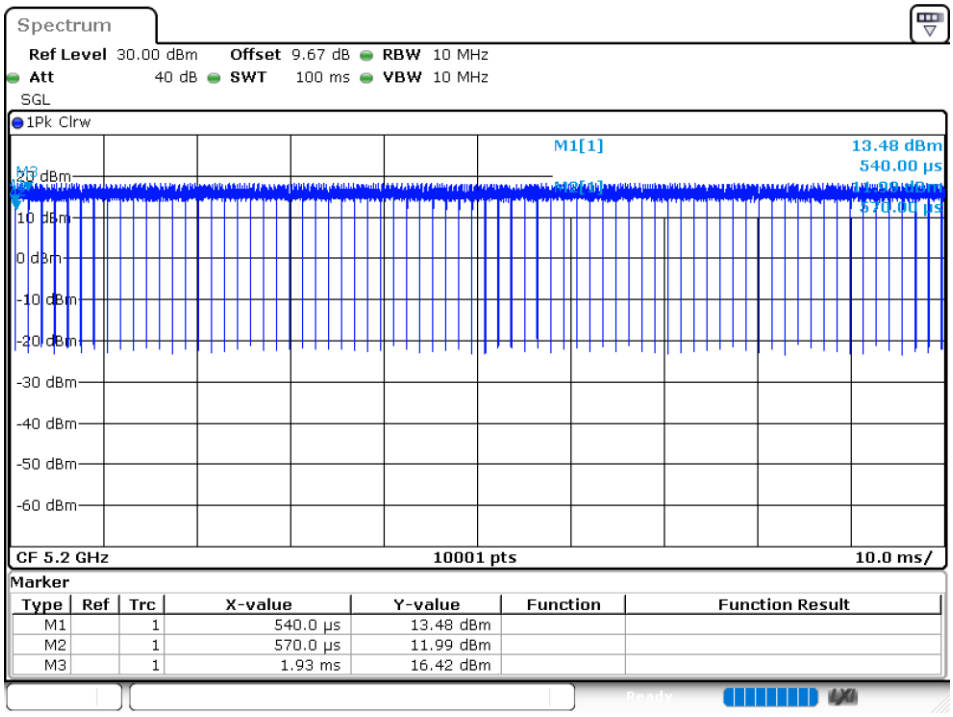
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.13	0.08	0.74
NVNT	a	5200	Ant1	98.11	0.08	0.74
NVNT	a	5240	Ant1	98.14	0.08	0.74
NVNT	n20	5180	Ant1	97.97	0.09	0.79
NVNT	n20	5200	Ant1	98.01	0.09	0.79
NVNT	n20	5240	Ant1	98	0.09	0.79
NVNT	n40	5190	Ant1	96.13	0.17	1.59
NVNT	n40	5230	Ant1	96.12	0.17	1.59
NVNT	ac20	5180	Ant1	98.01	0.09	0.78
NVNT	ac20	5200	Ant1	98	0.09	0.78
NVNT	ac20	5240	Ant1	98	0.09	0.78
NVNT	ac40	5190	Ant1	96.19	0.17	1.56
NVNT	ac40	5230	Ant1	96.19	0.17	1.56
NVNT	ac80	5210	Ant1	92.71	0.33	3.23

Test Graphs

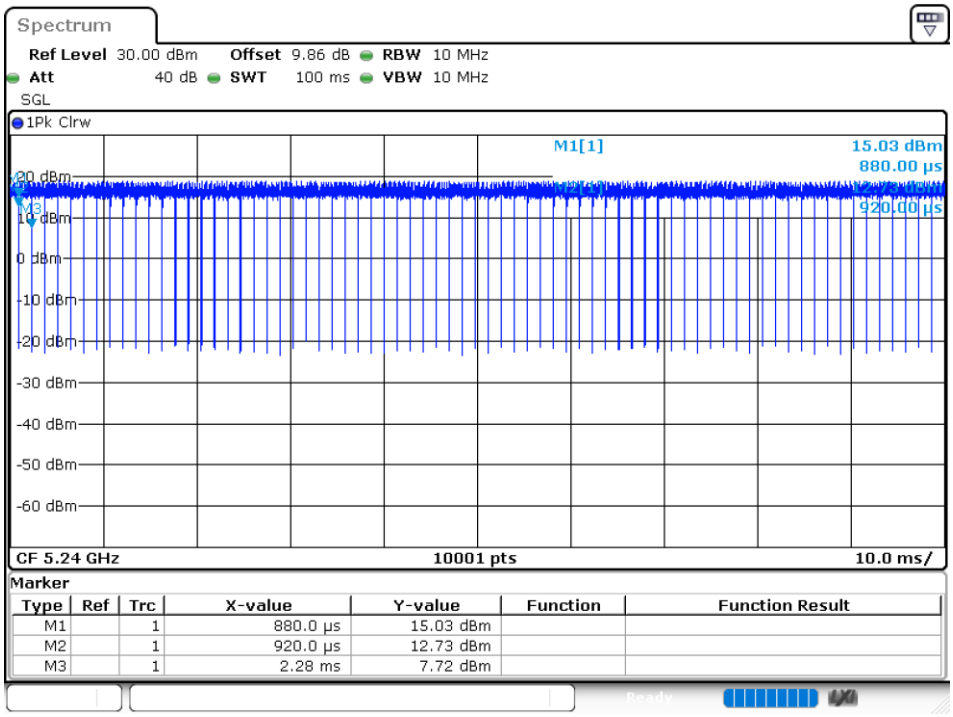
Duty Cycle NVNT a 5180MHz Ant1



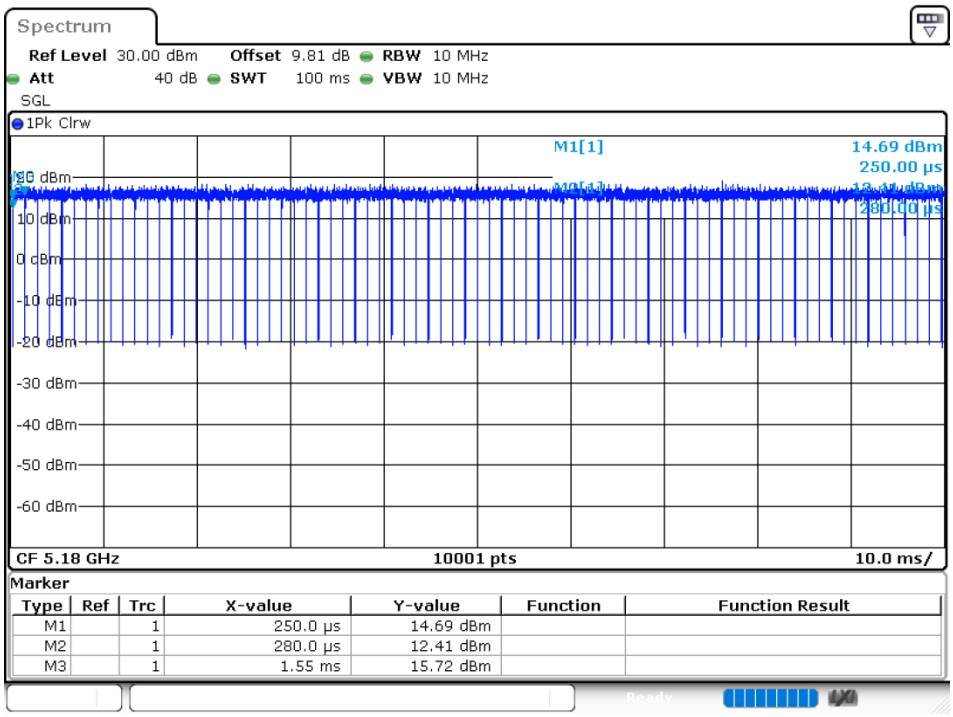
Duty Cycle NVNT a 5200MHz Ant1



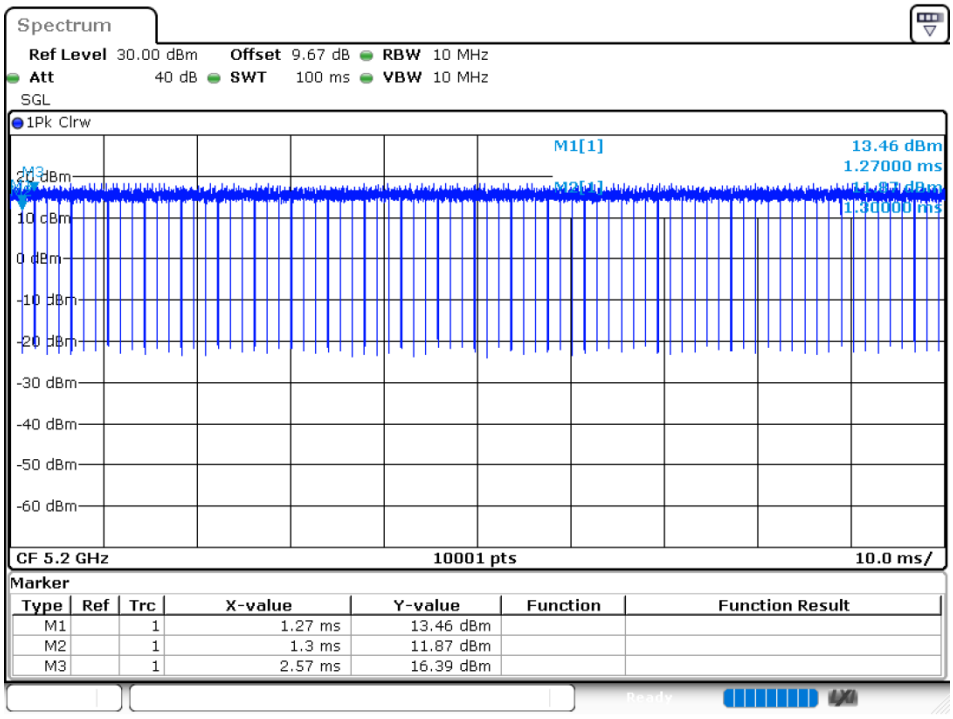
Duty Cycle NVNT a 5240MHz Ant1



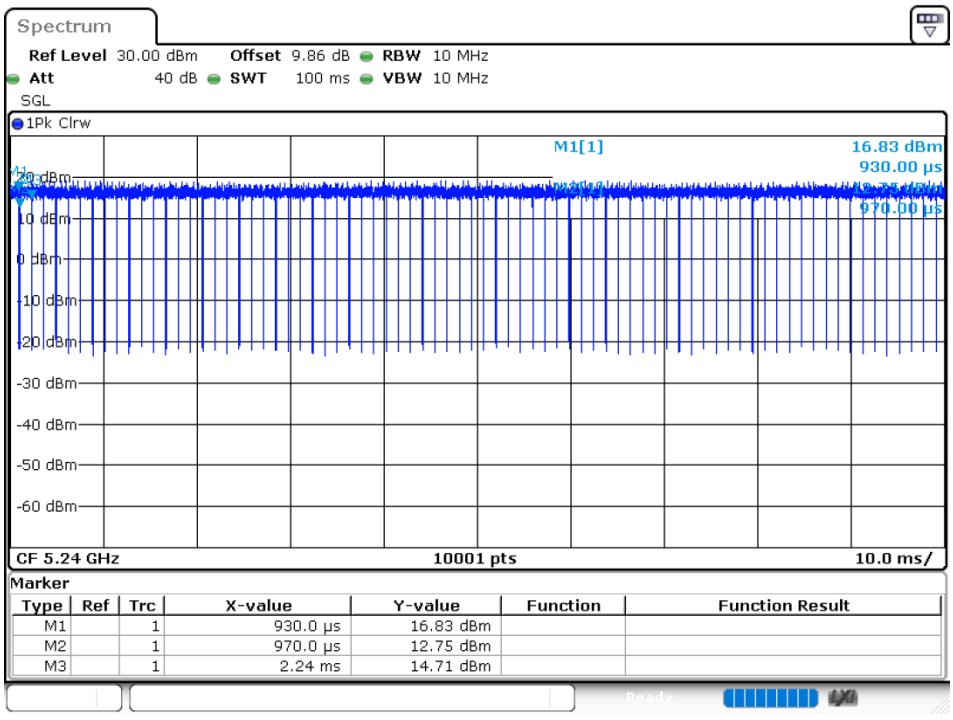
Duty Cycle NVNT n20 5180MHz Ant1



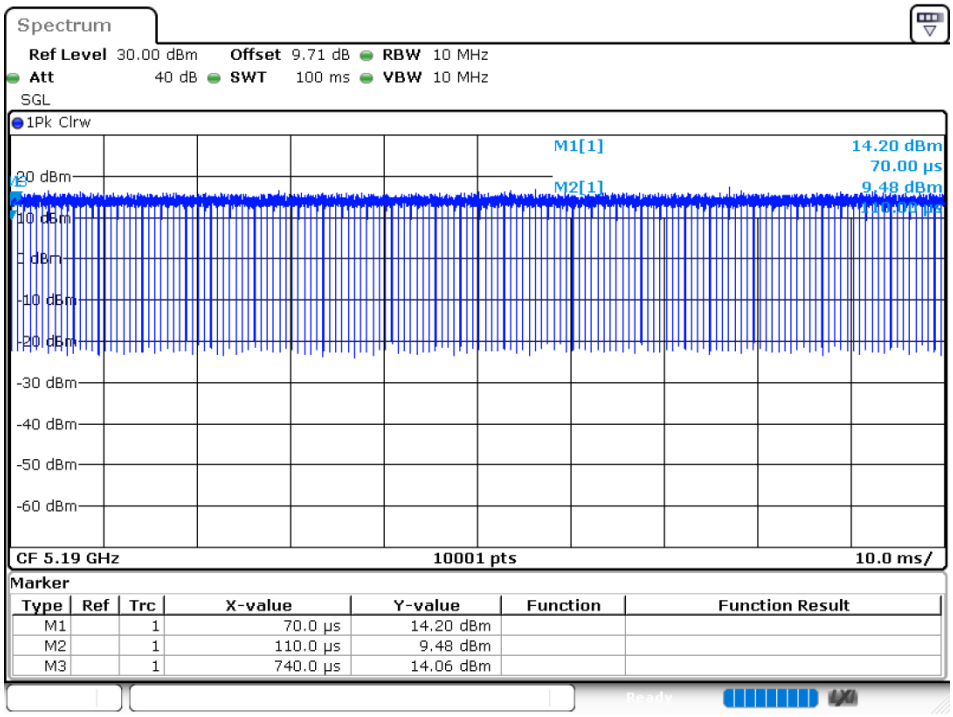
Duty Cycle NVNT n20 5200MHz Ant1



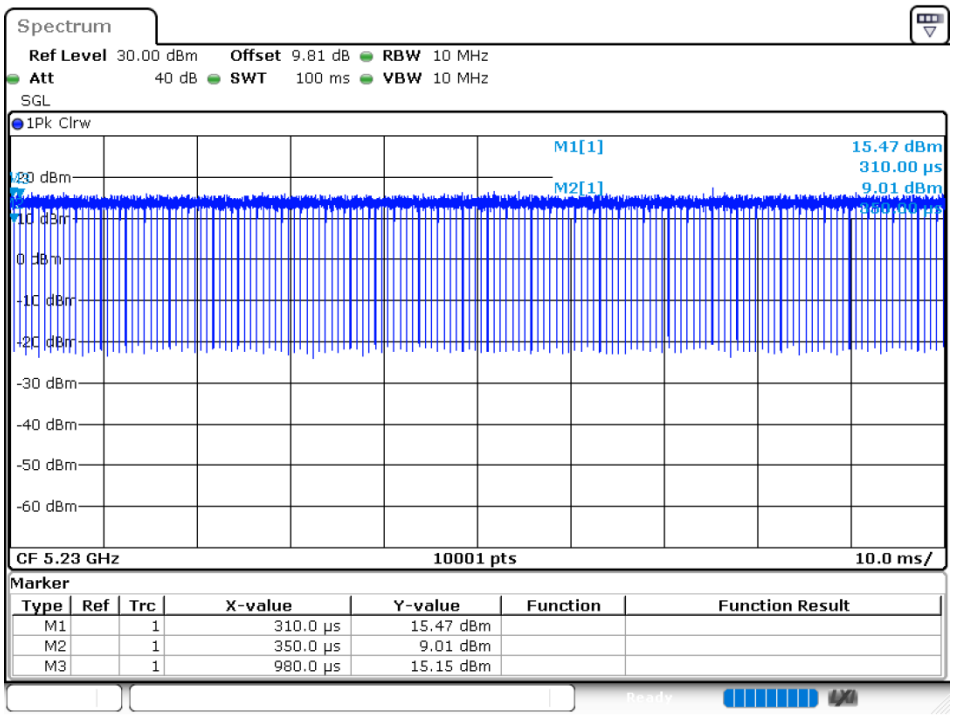
Duty Cycle NVNT n20 5240MHz Ant1



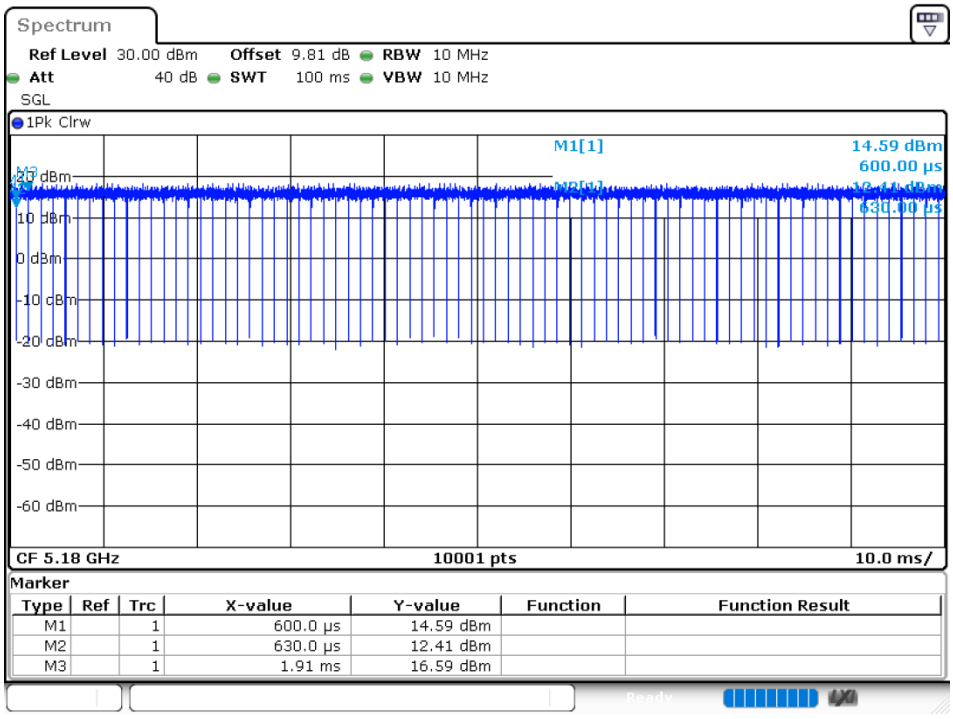
Duty Cycle NVNT n40 5190MHz Ant1



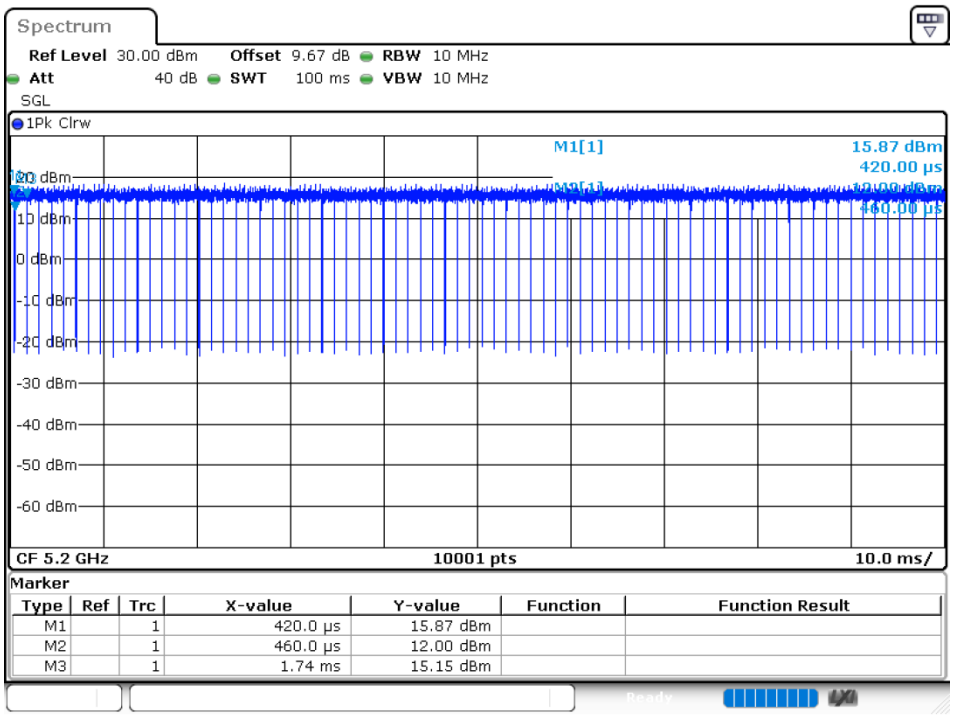
Duty Cycle NVNT n40 5230MHz Ant1



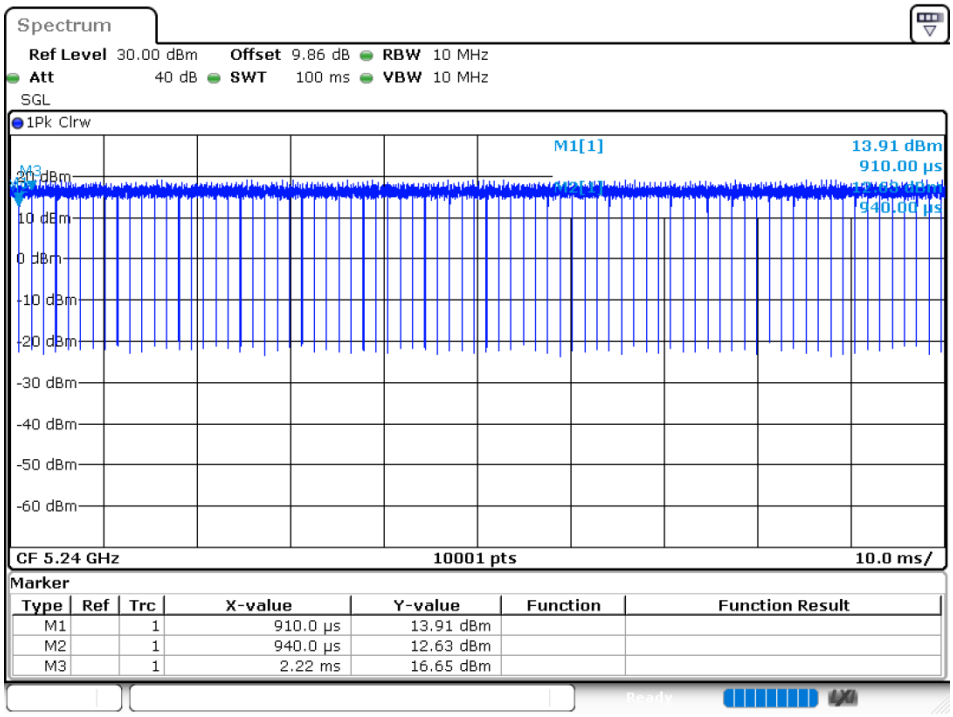
Duty Cycle NVNT ac20 5180MHz Ant1



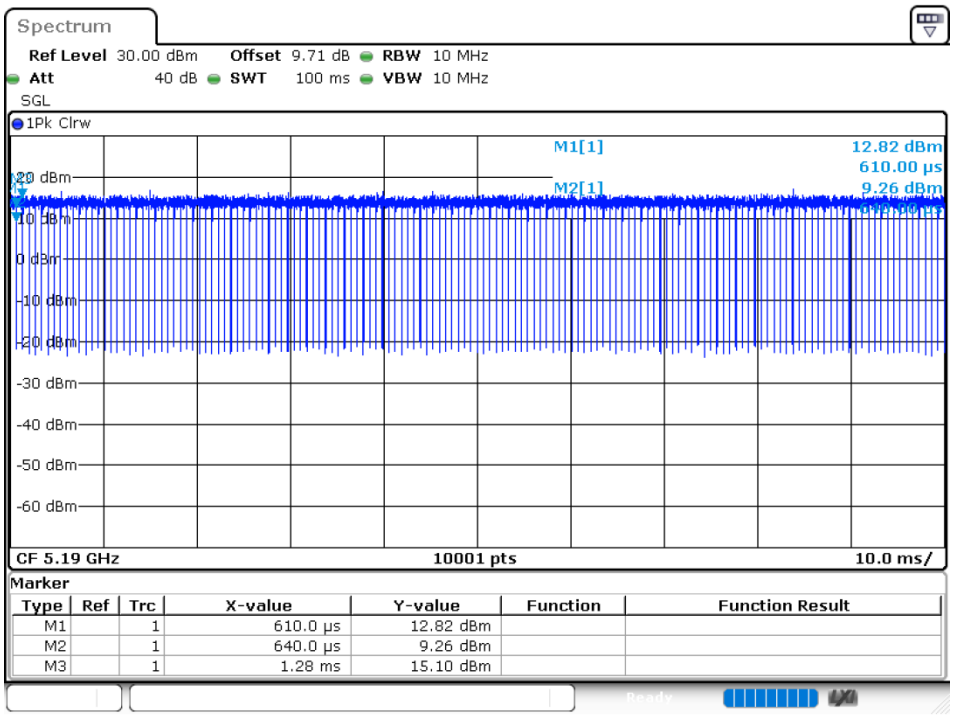
Duty Cycle NVNT ac20 5200MHz Ant1



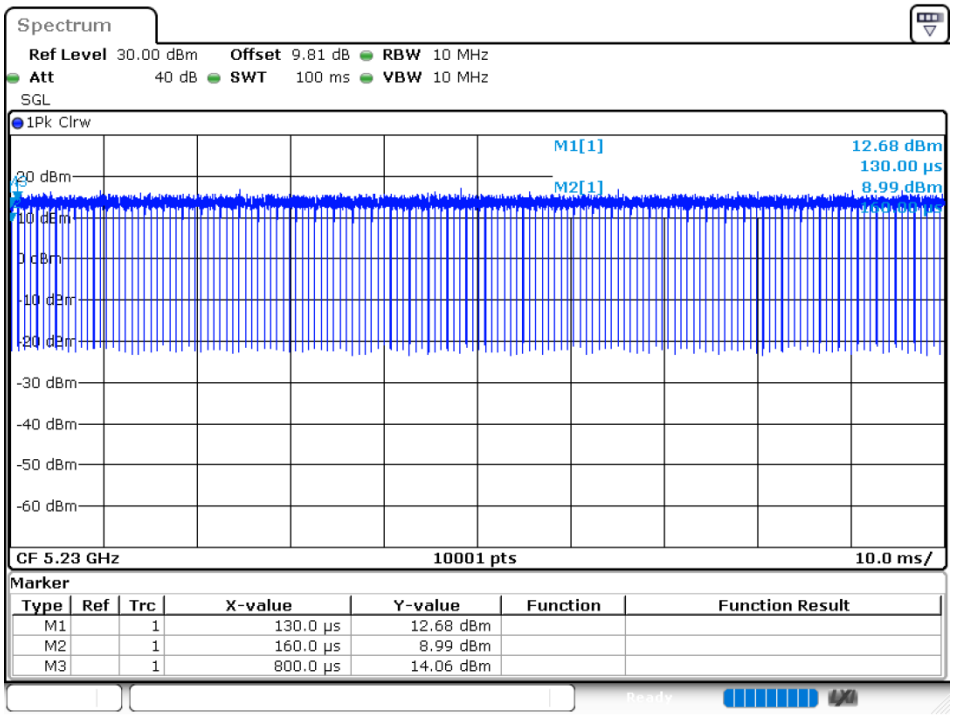
Duty Cycle NVNT ac20 5240MHz Ant1



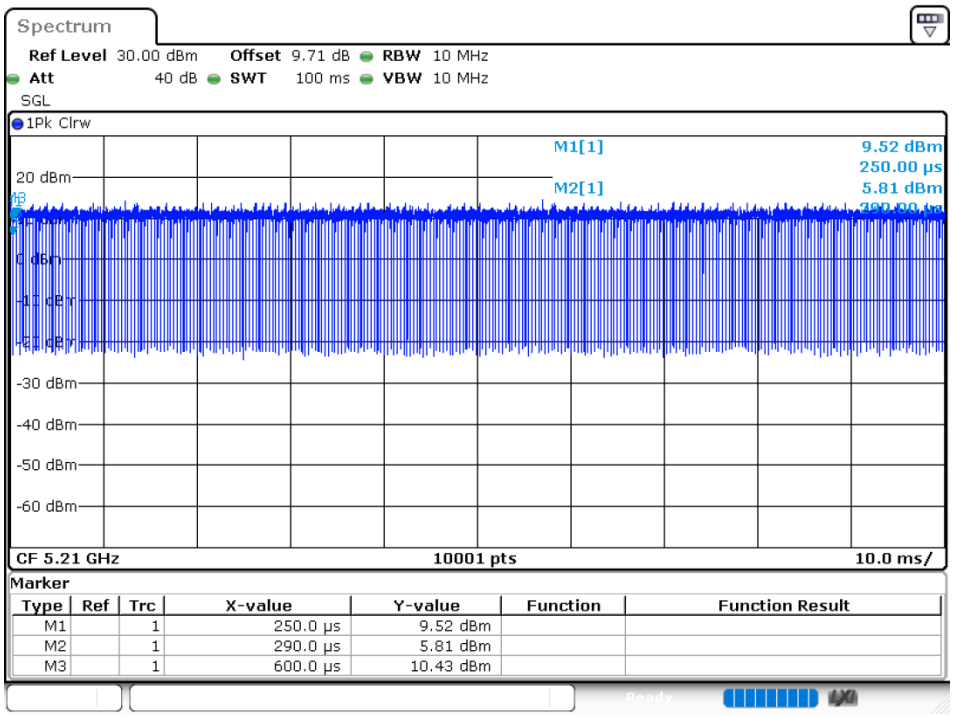
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



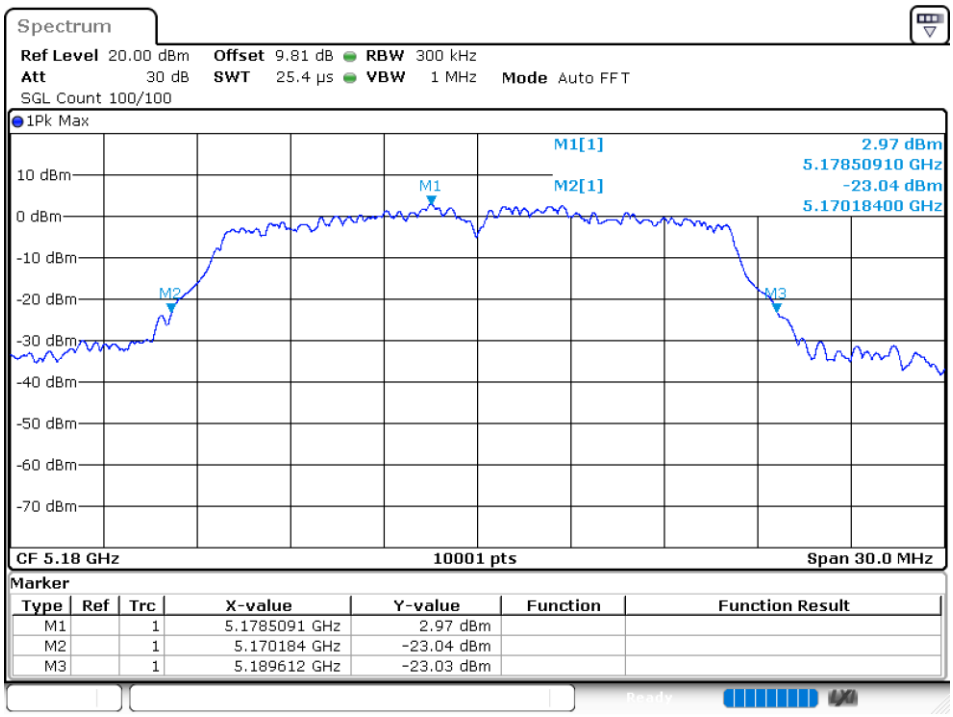
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	9.75	0.08	9.83	24	Pass
NVNT	a	5200	Ant1	10.21	0.08	10.29	24	Pass
NVNT	a	5240	Ant1	10.4	0.08	10.48	24	Pass
NVNT	n20	5180	Ant1	9.66	0.09	9.75	24	Pass
NVNT	n20	5200	Ant1	10.02	0.09	10.11	24	Pass
NVNT	n20	5240	Ant1	10.39	0.09	10.48	24	Pass
NVNT	n40	5190	Ant1	10.53	0.17	10.7	24	Pass
NVNT	n40	5230	Ant1	10.07	0.17	10.24	24	Pass
NVNT	ac20	5180	Ant1	9.7	0.09	9.79	24	Pass
NVNT	ac20	5200	Ant1	10.02	0.09	10.11	24	Pass
NVNT	ac20	5240	Ant1	10.25	0.09	10.34	24	Pass
NVNT	ac40	5190	Ant1	10.54	0.17	10.71	24	Pass
NVNT	ac40	5230	Ant1	9.92	0.17	10.09	24	Pass
NVNT	ac80	5210	Ant1	10.28	0.33	10.61	24	Pass

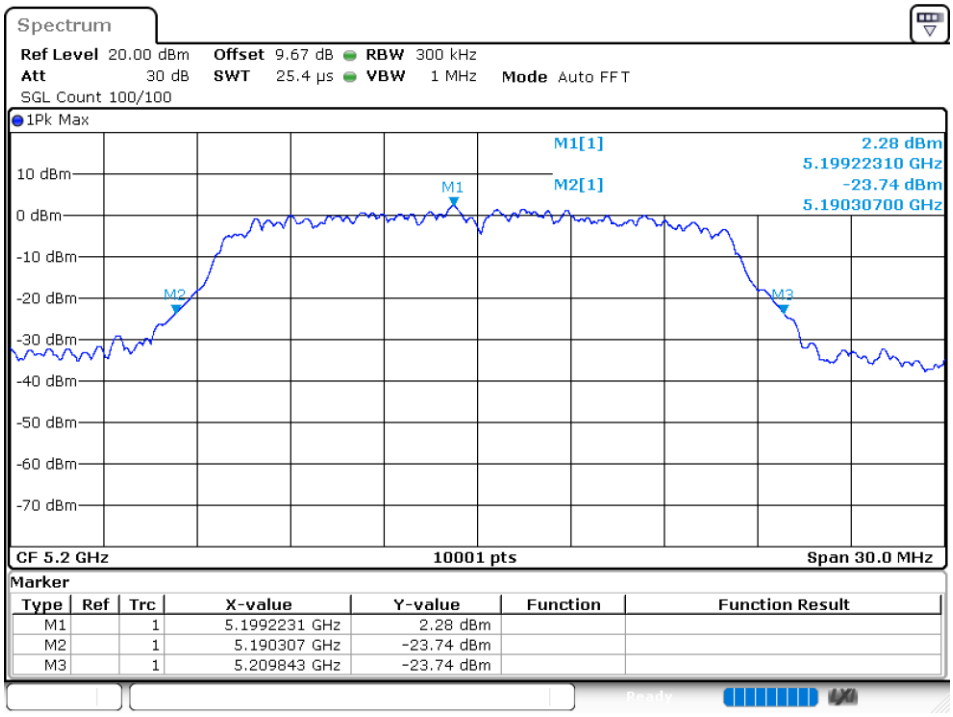
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.428	Pass
NVNT	a	5200	Ant1	19.536	Pass
NVNT	a	5240	Ant1	19.662	Pass
NVNT	n20	5180	Ant1	20.139	Pass
NVNT	n20	5200	Ant1	20.25	Pass
NVNT	n20	5240	Ant1	20.244	Pass
NVNT	n40	5190	Ant1	40.776	Pass
NVNT	n40	5230	Ant1	40.494	Pass
NVNT	ac20	5180	Ant1	20.148	Pass
NVNT	ac20	5200	Ant1	20.217	Pass
NVNT	ac20	5240	Ant1	19.842	Pass
NVNT	ac40	5190	Ant1	40.56	Pass
NVNT	ac40	5230	Ant1	40.584	Pass
NVNT	ac80	5210	Ant1	81.768	Pass

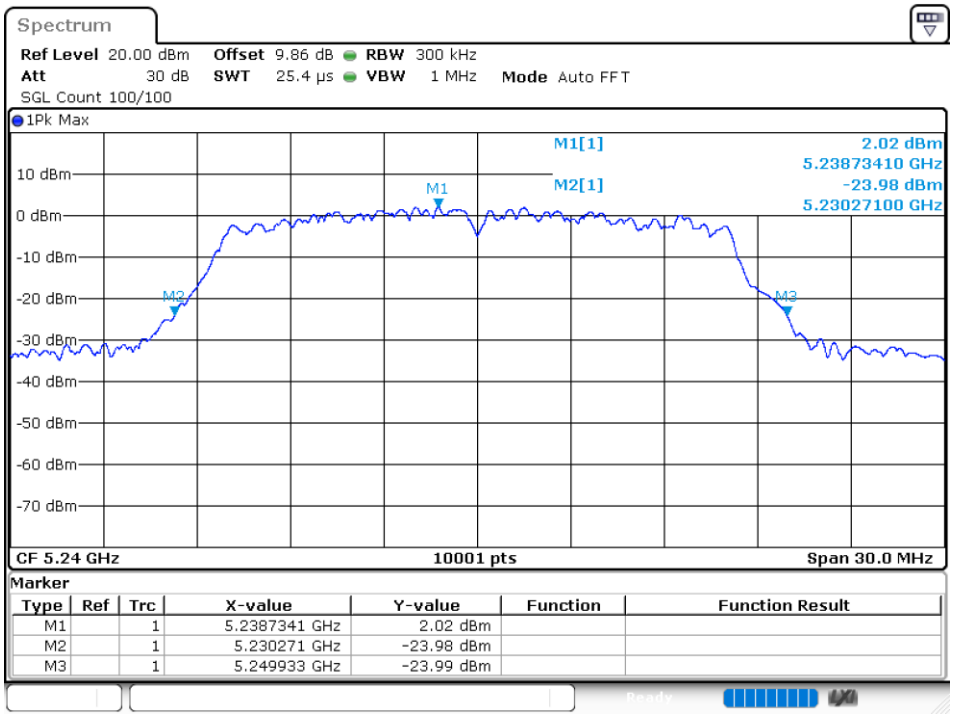
Test Graphs
-26dB Bandwidth NVNT a 5180MHz Ant1



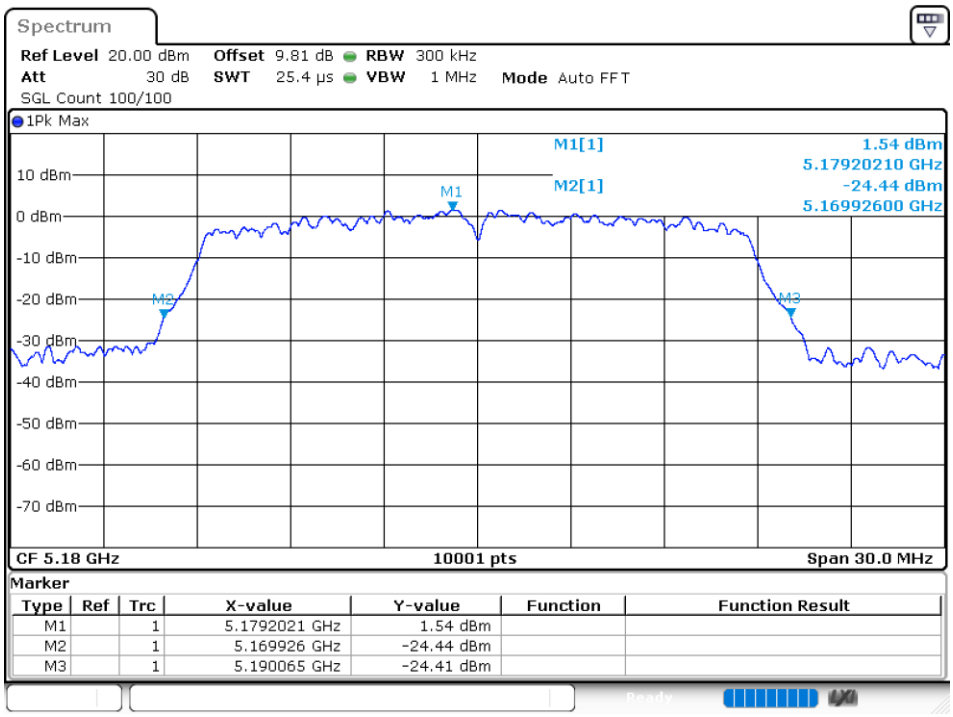
-26dB Bandwidth NVNT a 5200MHz Ant1



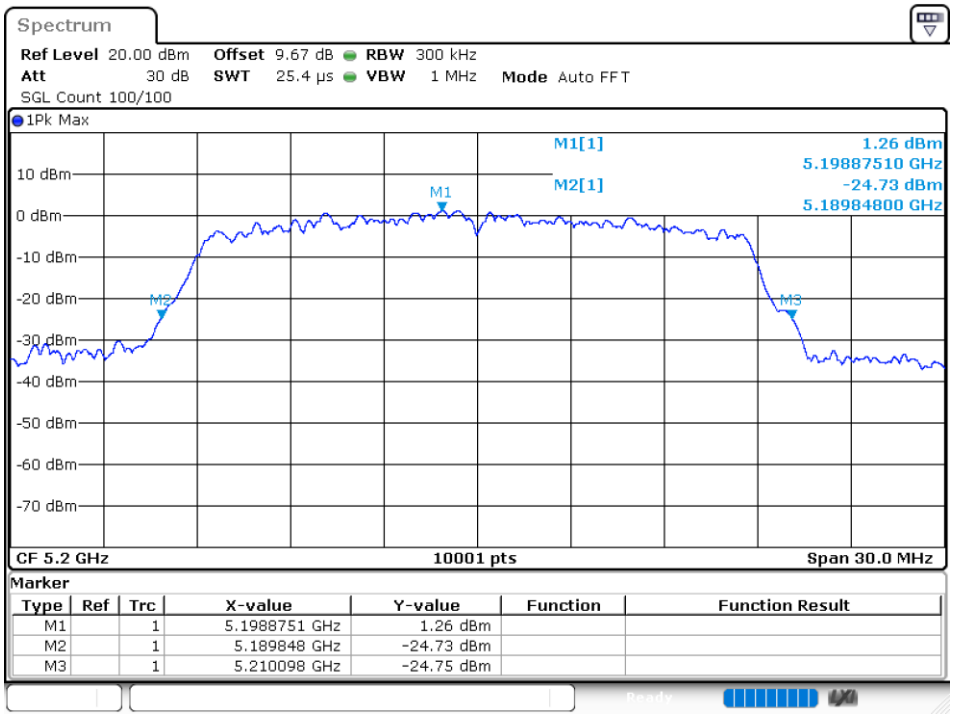
-26dB Bandwidth NVNT a 5240MHz Ant1



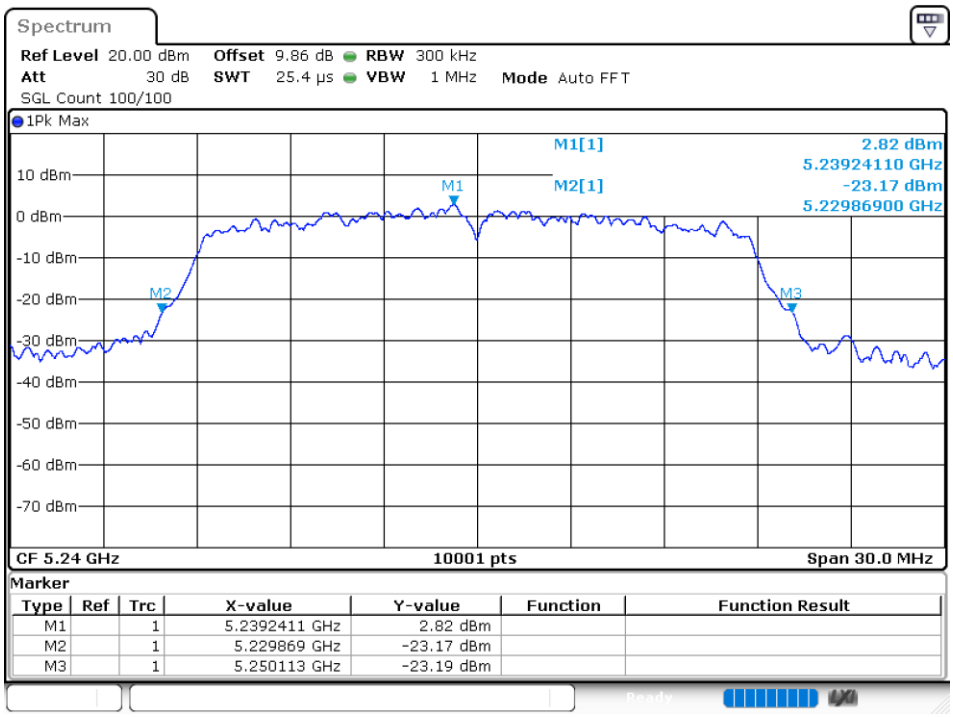
-26dB Bandwidth NVNT n20 5180MHz Ant1



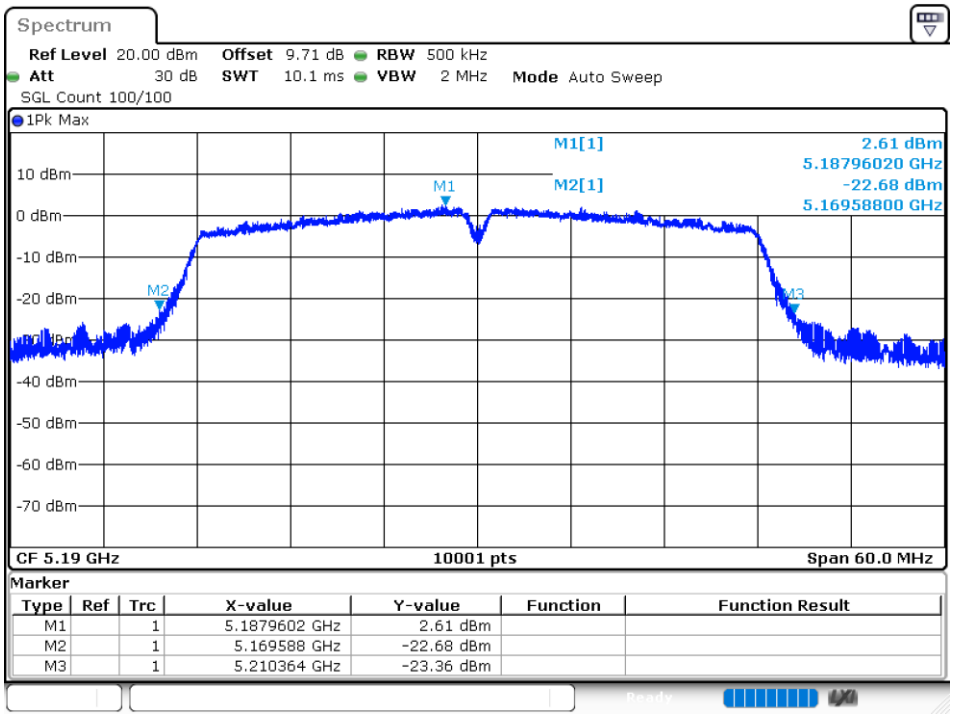
-26dB Bandwidth NVNT n20 5200MHz Ant1



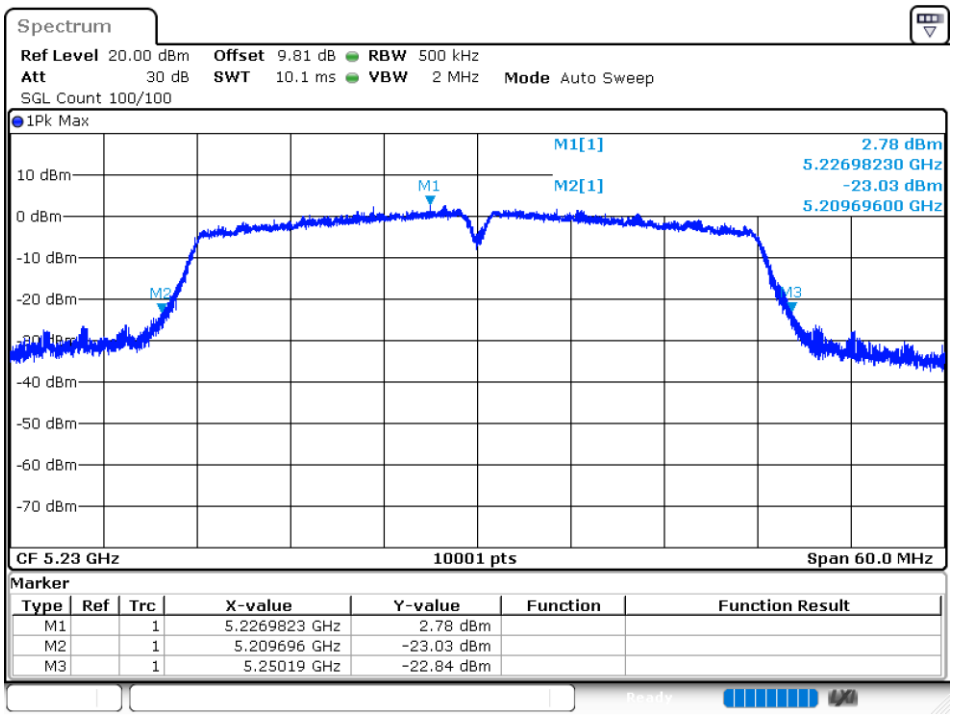
-26dB Bandwidth NVNT n20 5240MHz Ant1



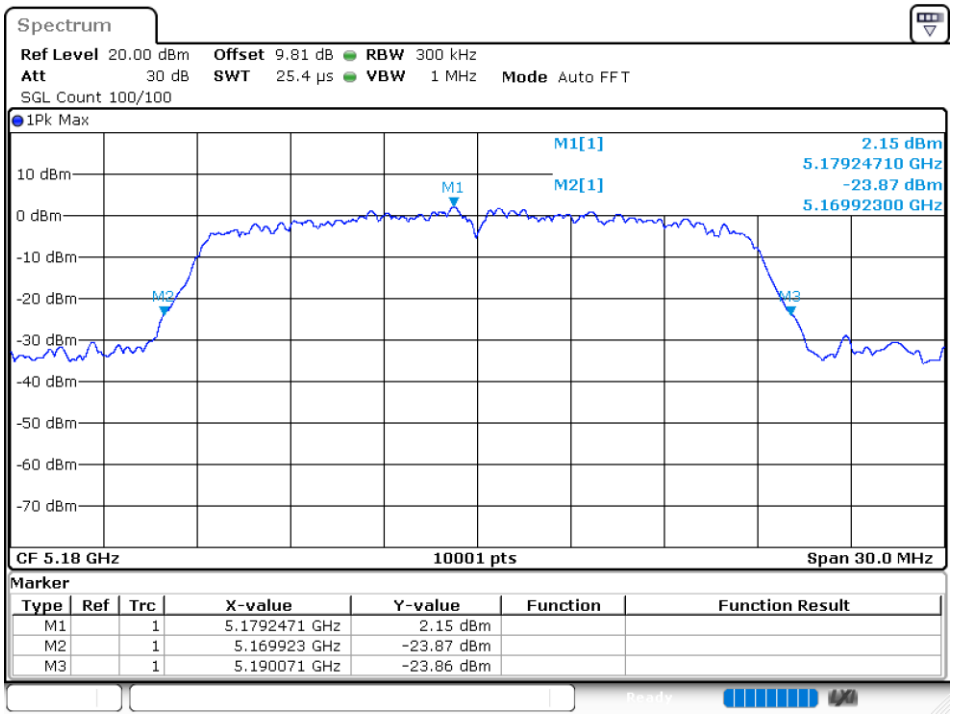
-26dB Bandwidth NVNT n40 5190MHz Ant1



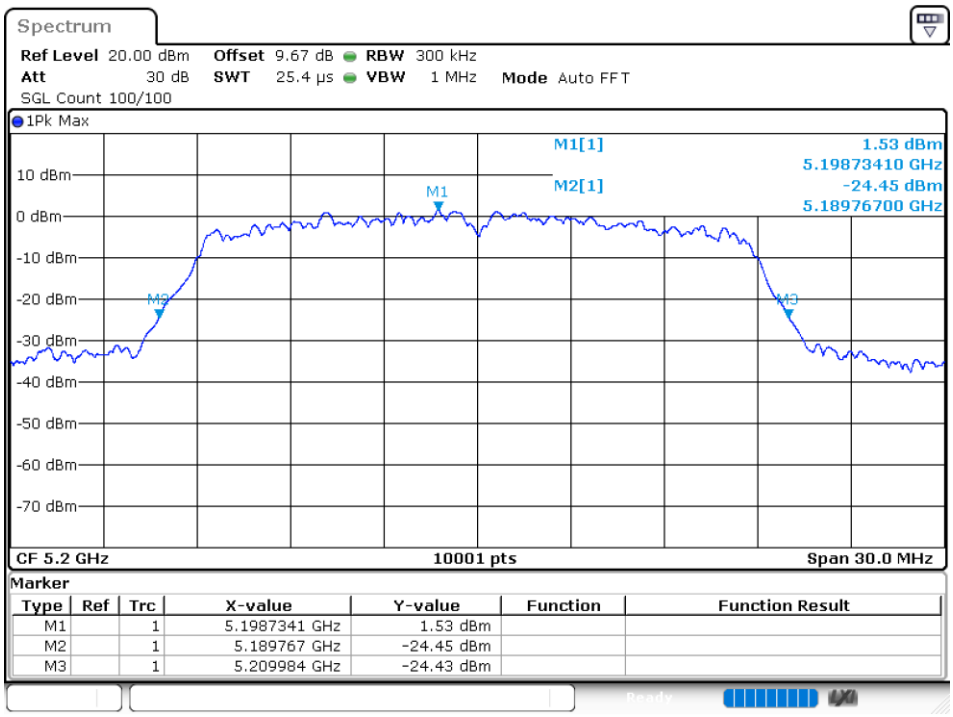
-26dB Bandwidth NVNT n40 5230MHz Ant1



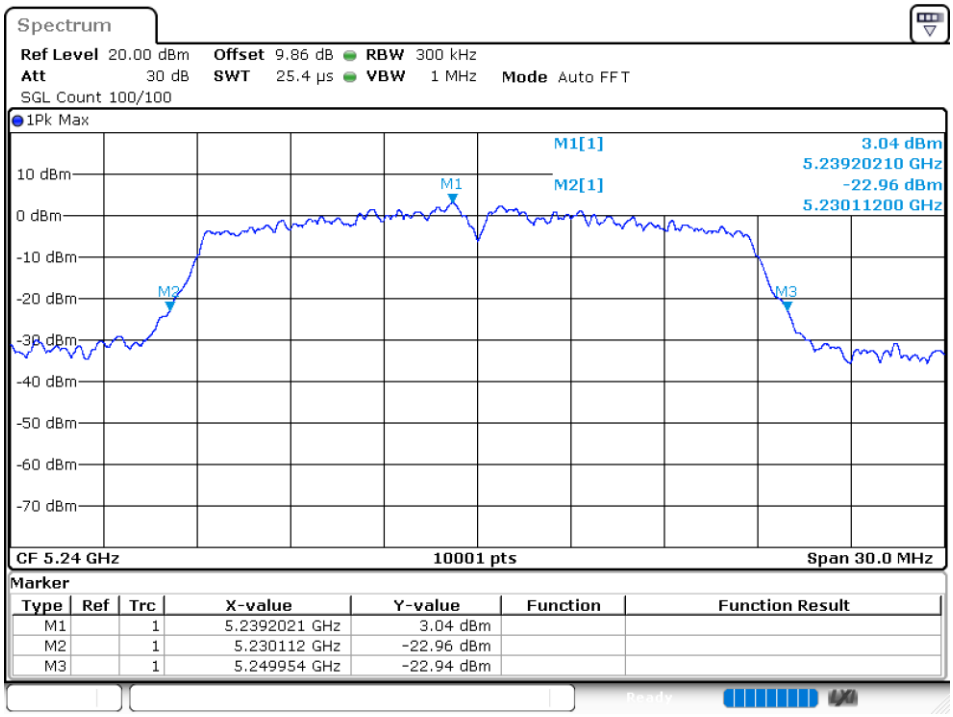
-26dB Bandwidth NVNT ac20 5180MHz Ant1



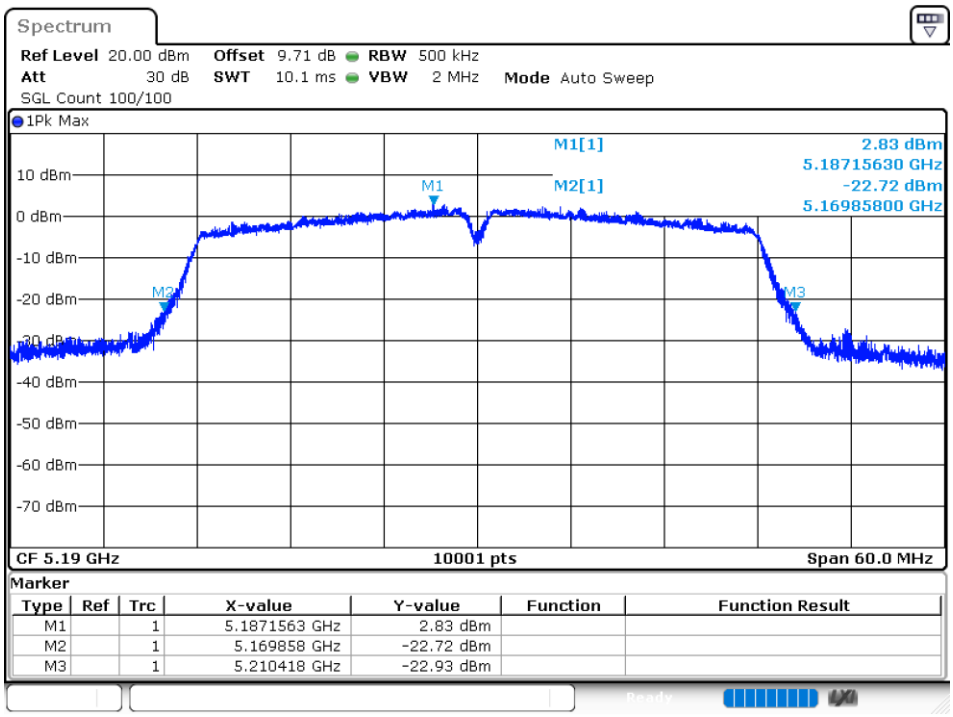
-26dB Bandwidth NVNT ac20 5200MHz Ant1



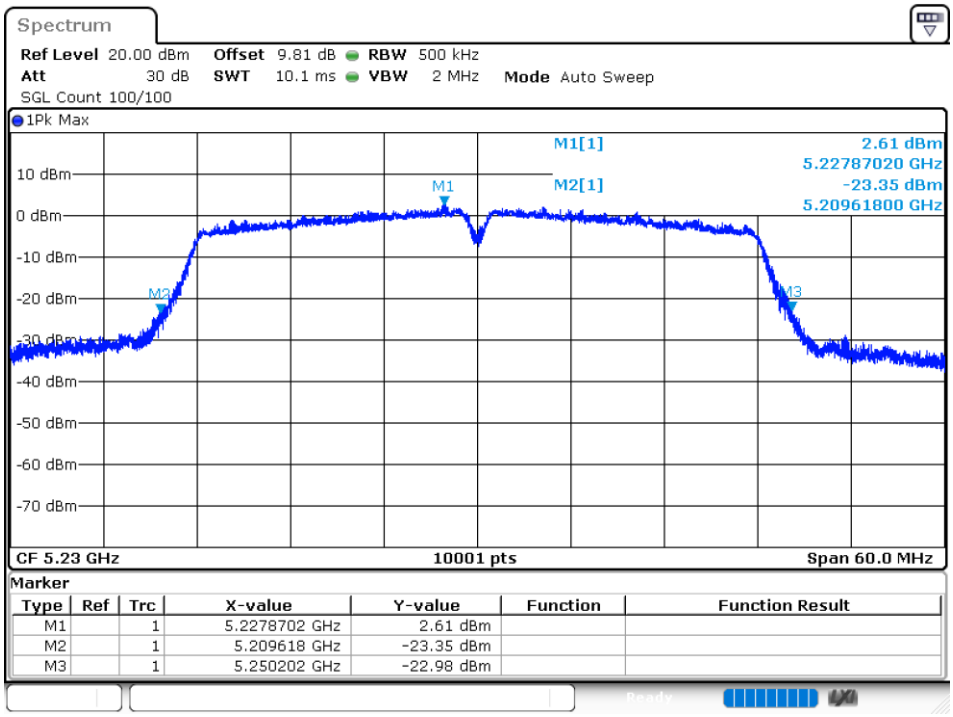
-26dB Bandwidth NVNT ac20 5240MHz Ant1



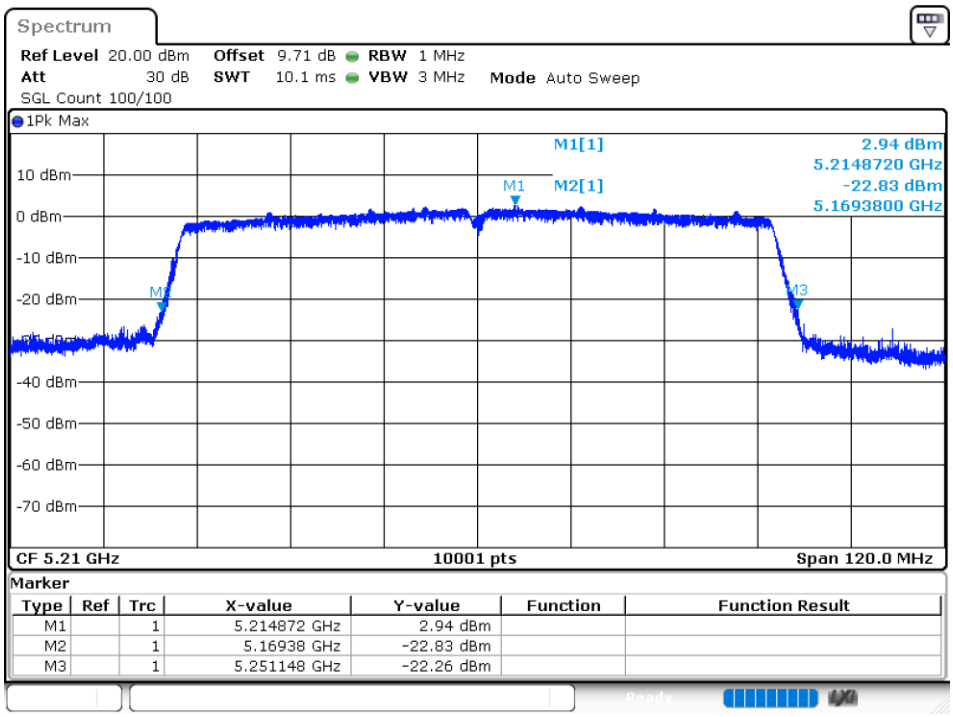
-26dB Bandwidth NVNT ac40 5190MHz Ant1



-26dB Bandwidth NVNT ac40 5230MHz Ant1



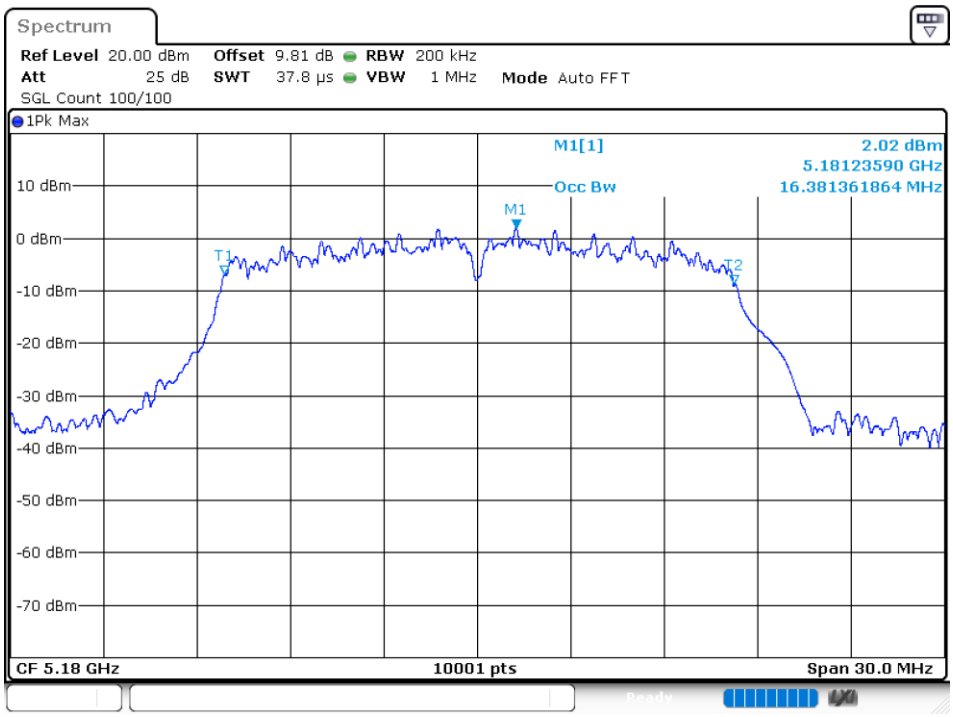
-26dB Bandwidth NVNT ac80 5210MHz Ant1



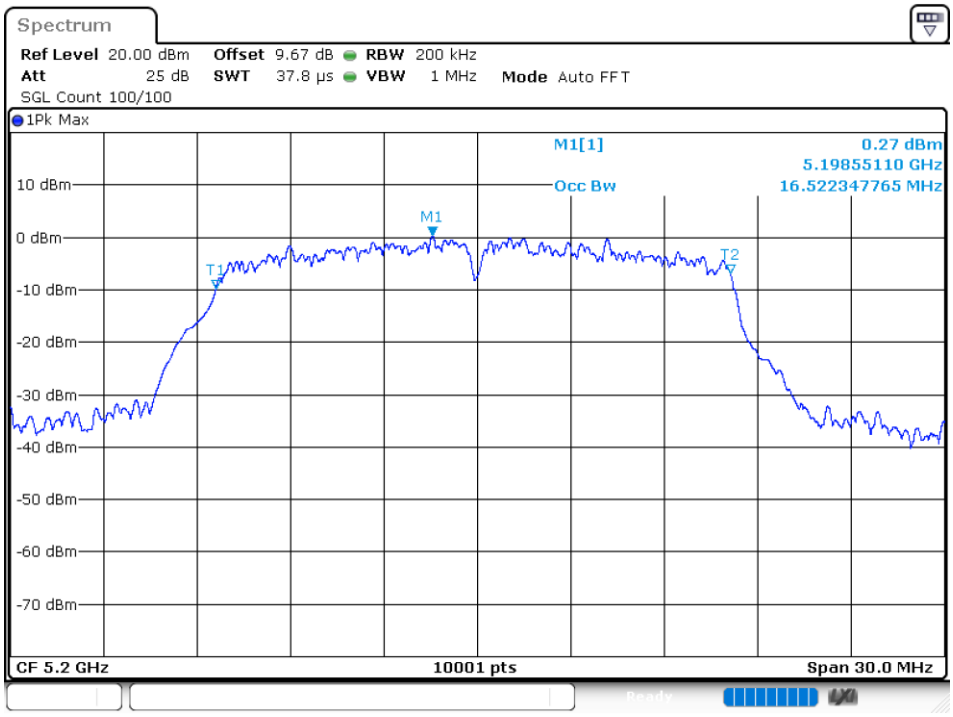
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.381
NVNT	a	5200	Ant1	16.522
NVNT	a	5240	Ant1	16.459
NVNT	n20	5180	Ant1	17.464
NVNT	n20	5200	Ant1	17.545
NVNT	n20	5240	Ant1	17.614
NVNT	n40	5190	Ant1	35.936
NVNT	n40	5230	Ant1	35.96
NVNT	ac20	5180	Ant1	17.488
NVNT	ac20	5200	Ant1	17.482
NVNT	ac20	5240	Ant1	17.539
NVNT	ac40	5190	Ant1	35.924
NVNT	ac40	5230	Ant1	35.942
NVNT	ac80	5210	Ant1	75.58

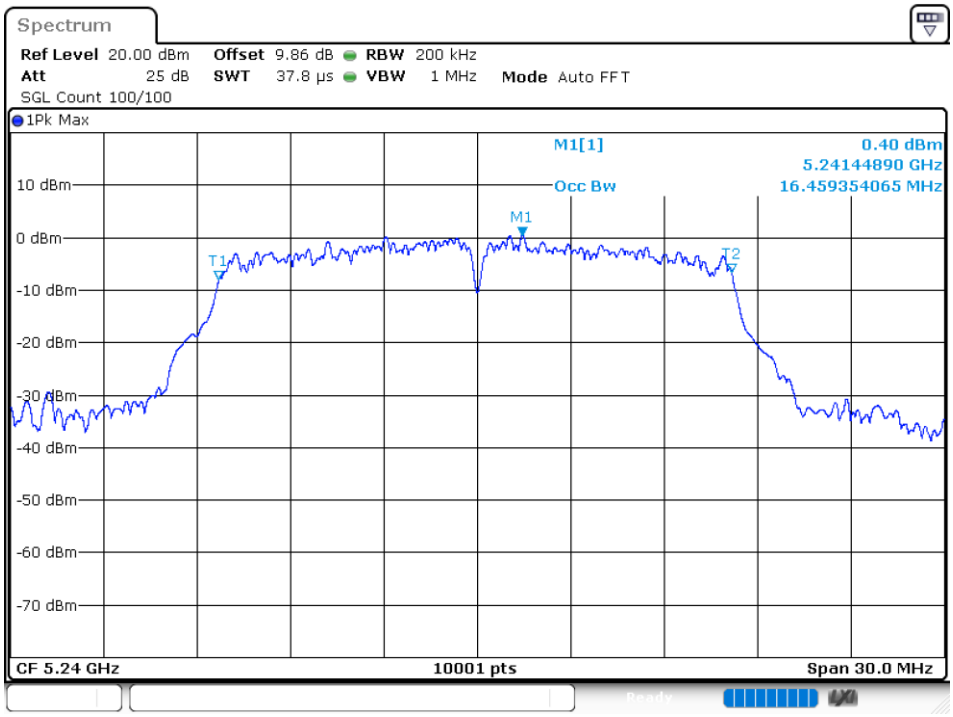
Test Graphs
OBW NVNT a 5180MHz Ant1



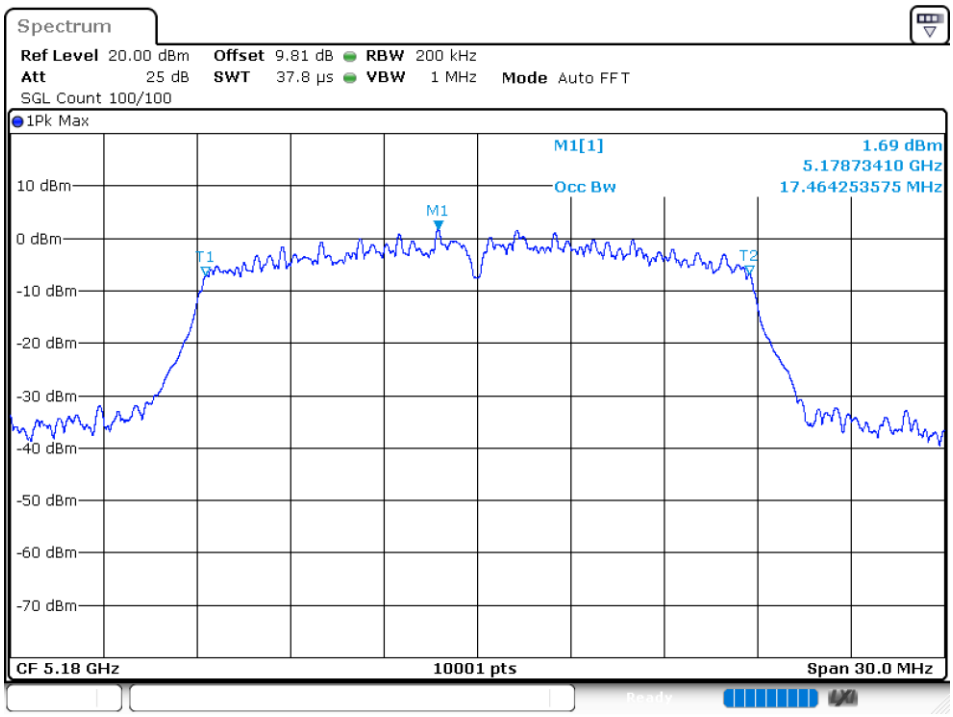
OBW NVNT a 5200MHz Ant1



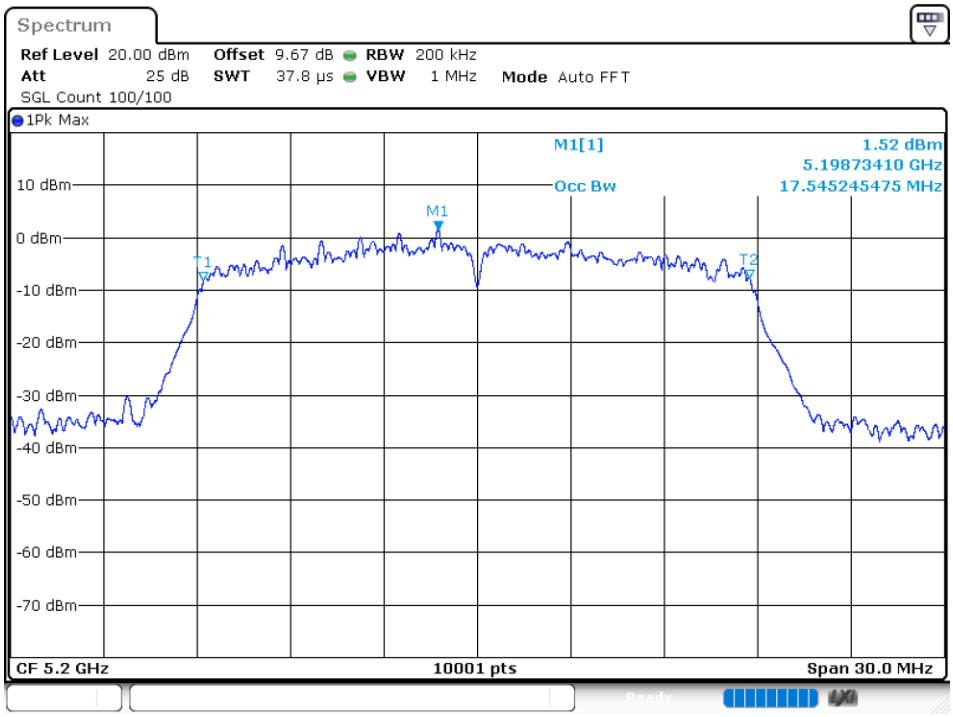
OBW NVNT a 5240MHz Ant1



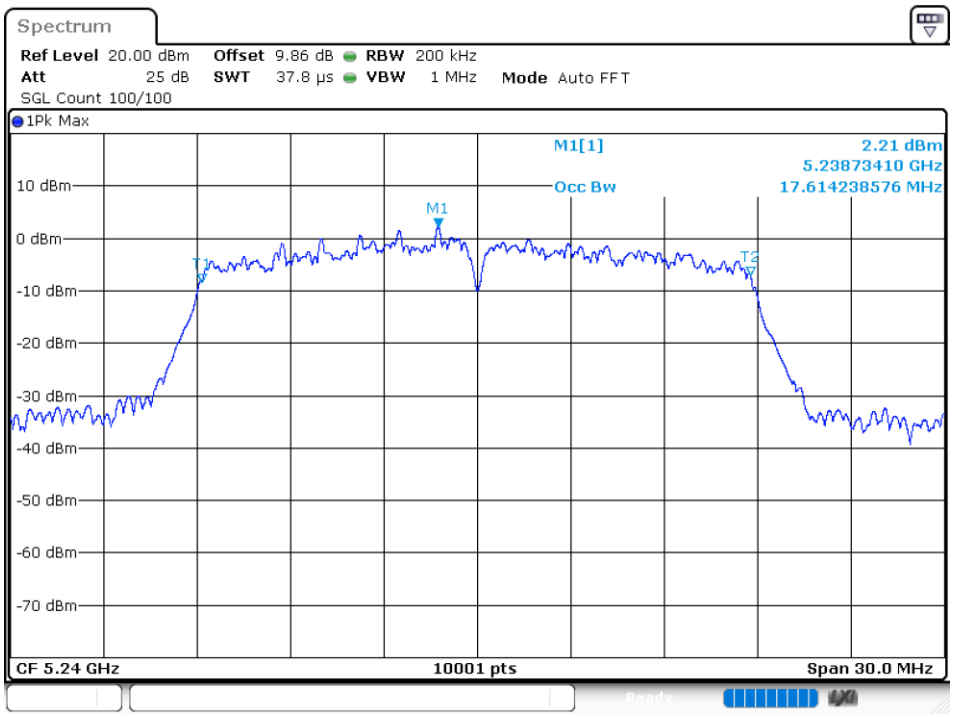
OBW NVNT n20 5180MHz Ant1



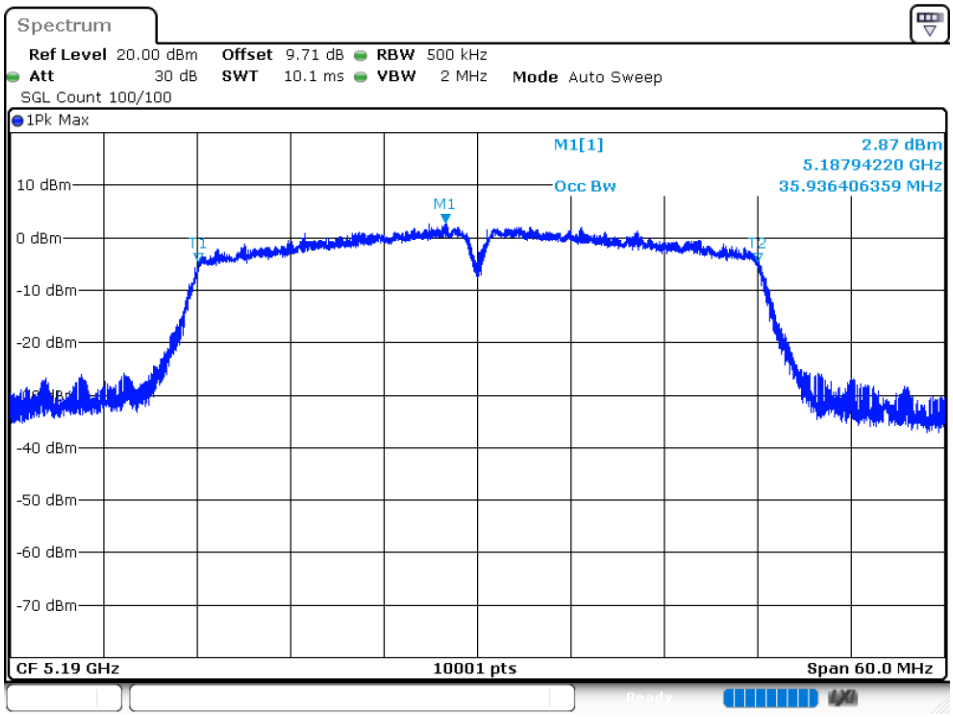
OBW NVNT n20 5200MHz Ant1



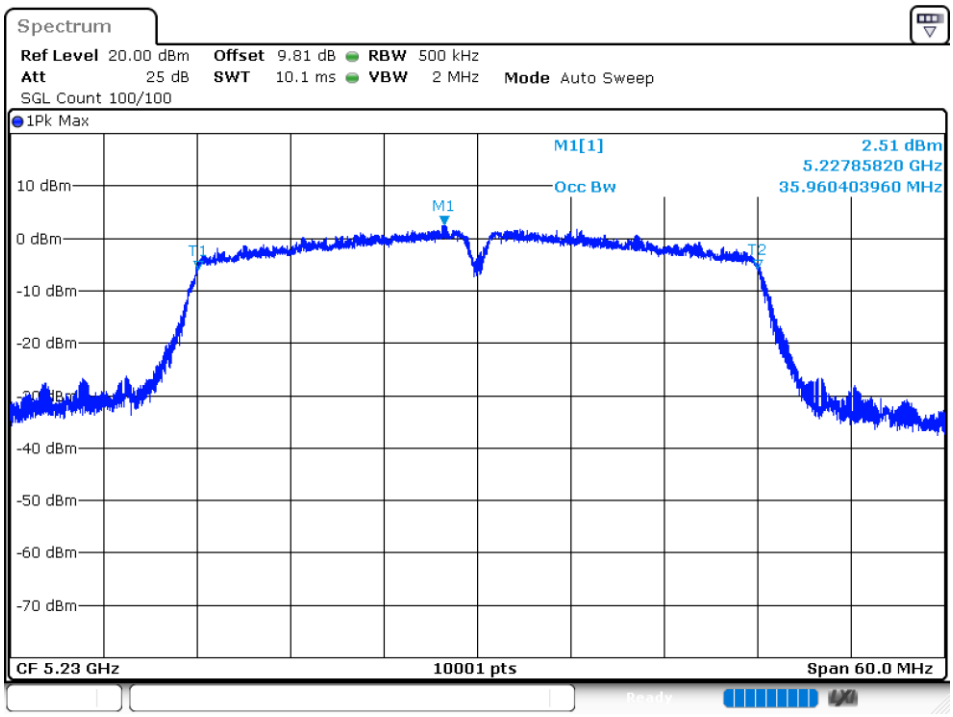
OBW NVNT n20 5240MHz Ant1



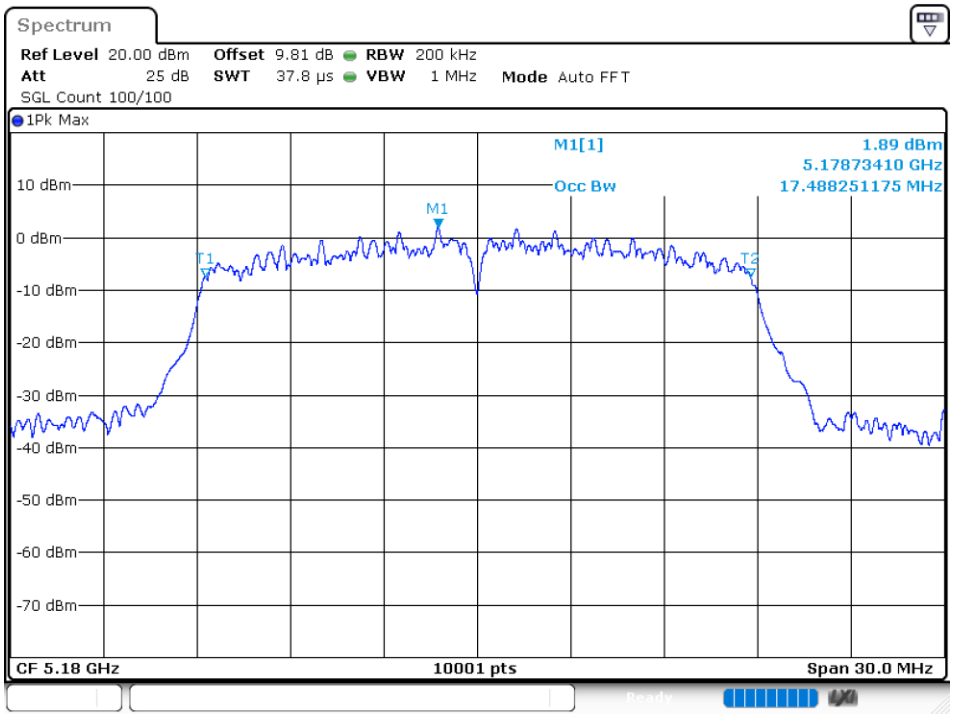
OBW NVNT n40 5190MHz Ant1



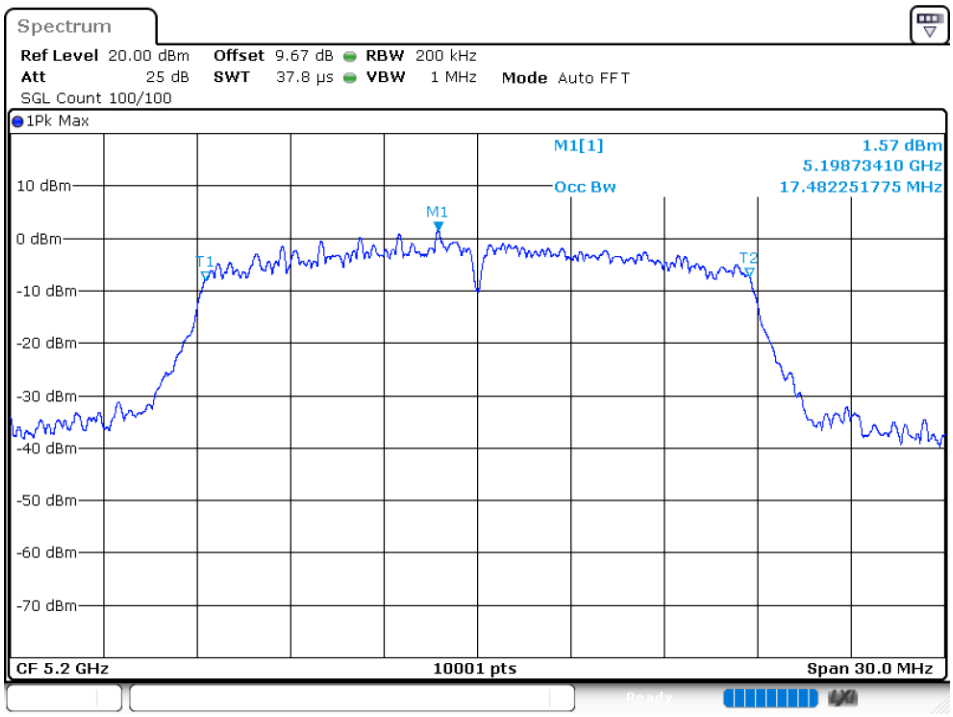
OBW NVNT n40 5230MHz Ant1



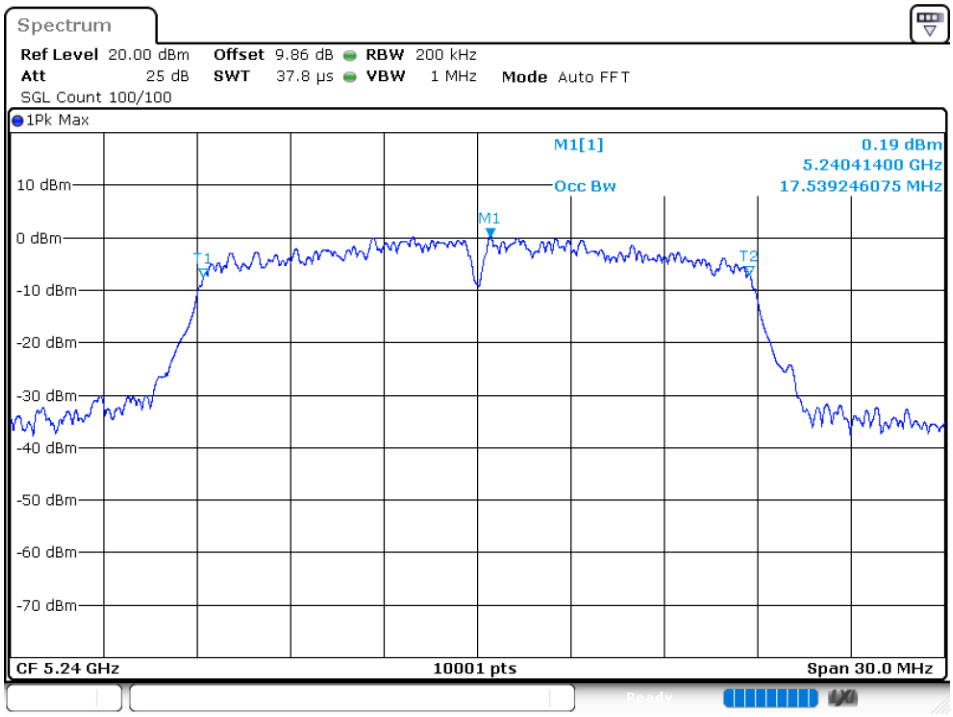
OBW NVNT ac20 5180MHz Ant1



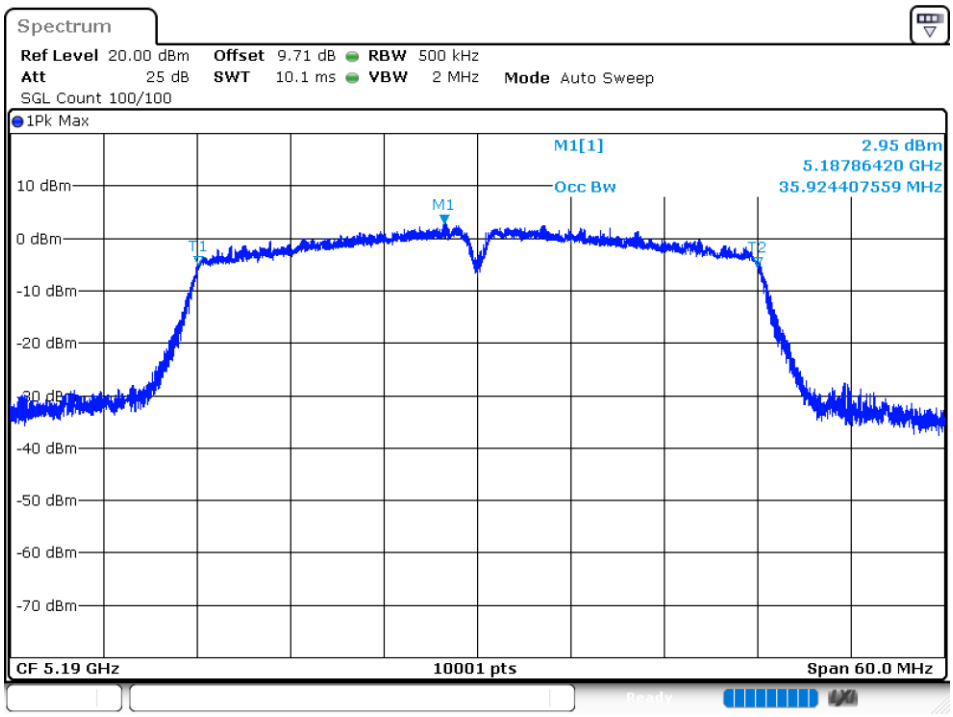
OBW NVNT ac20 5200MHz Ant1



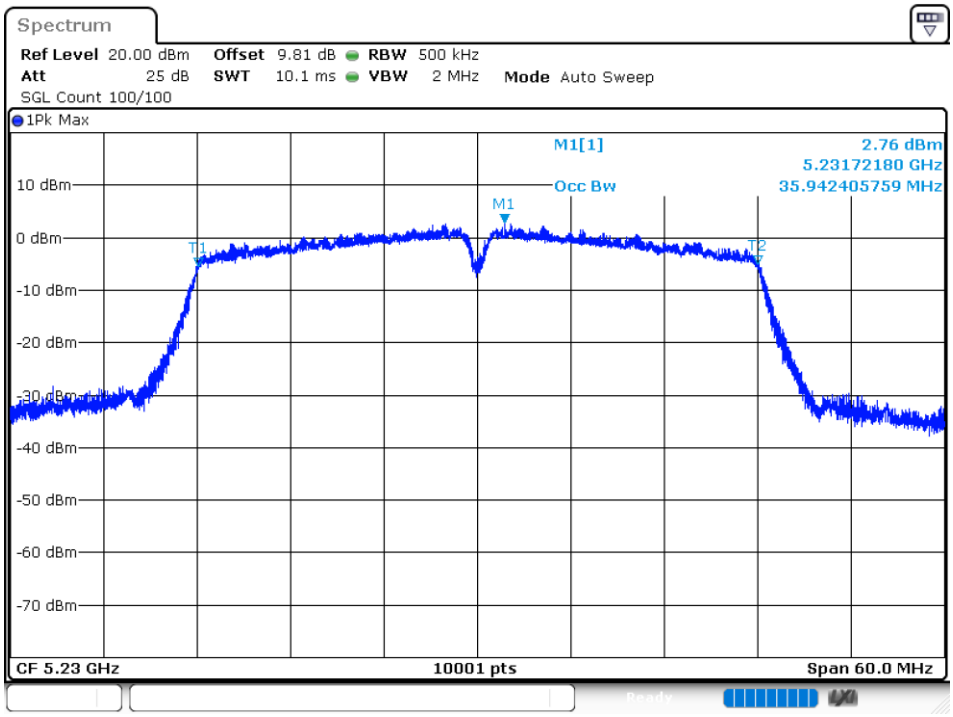
OBW NVNT ac20 5240MHz Ant1



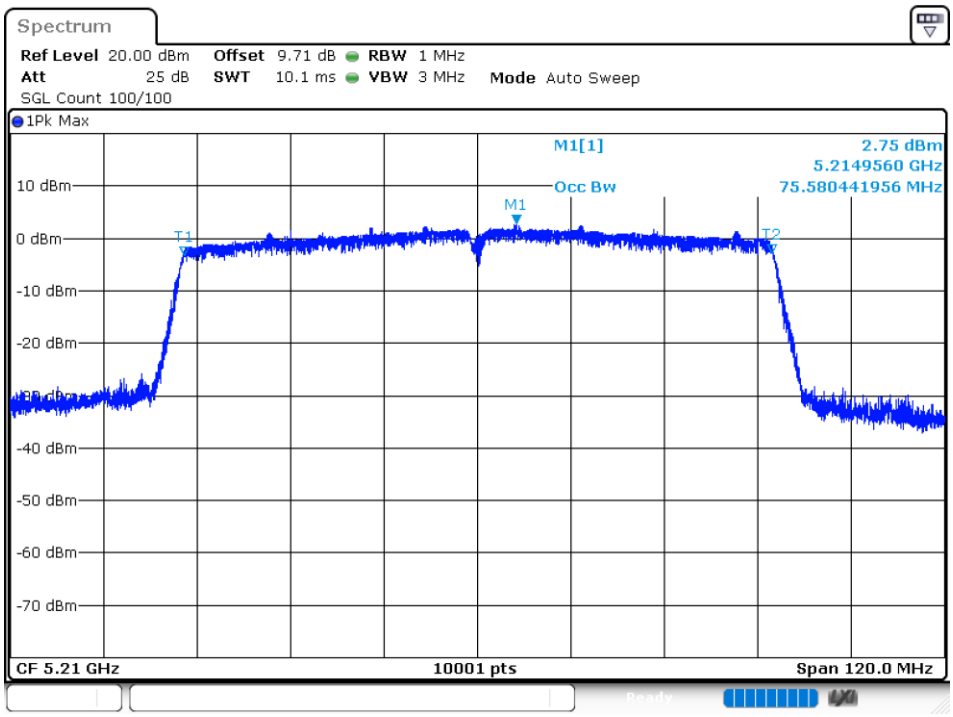
OBW NVNT ac40 5190MHz Ant1



OBW NVNT ac40 5230MHz Ant1



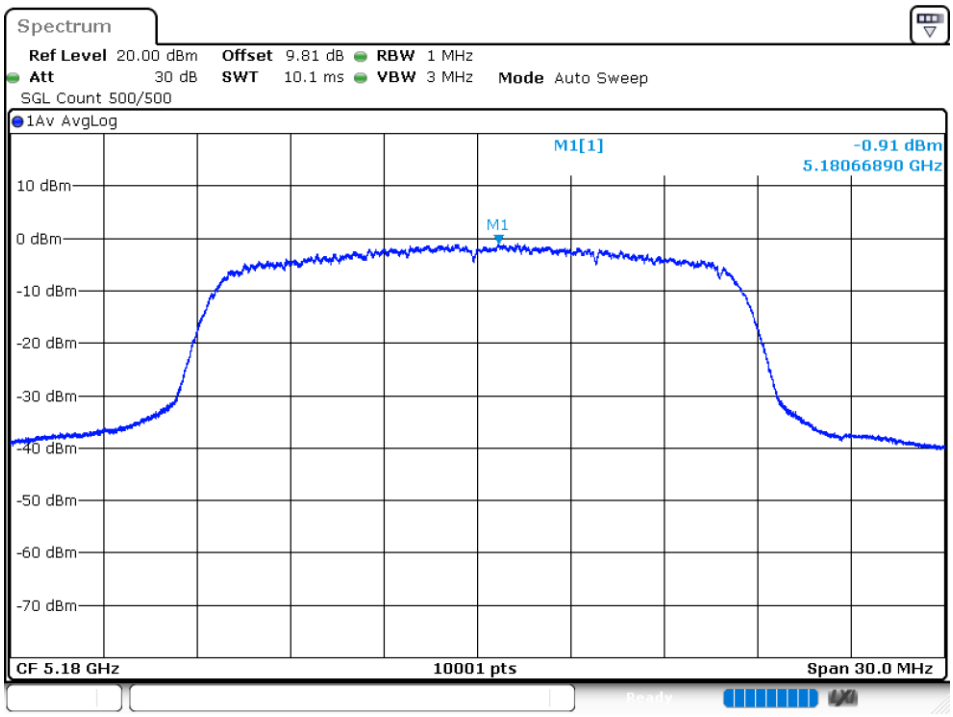
OBW NVNT ac80 5210MHz Ant1



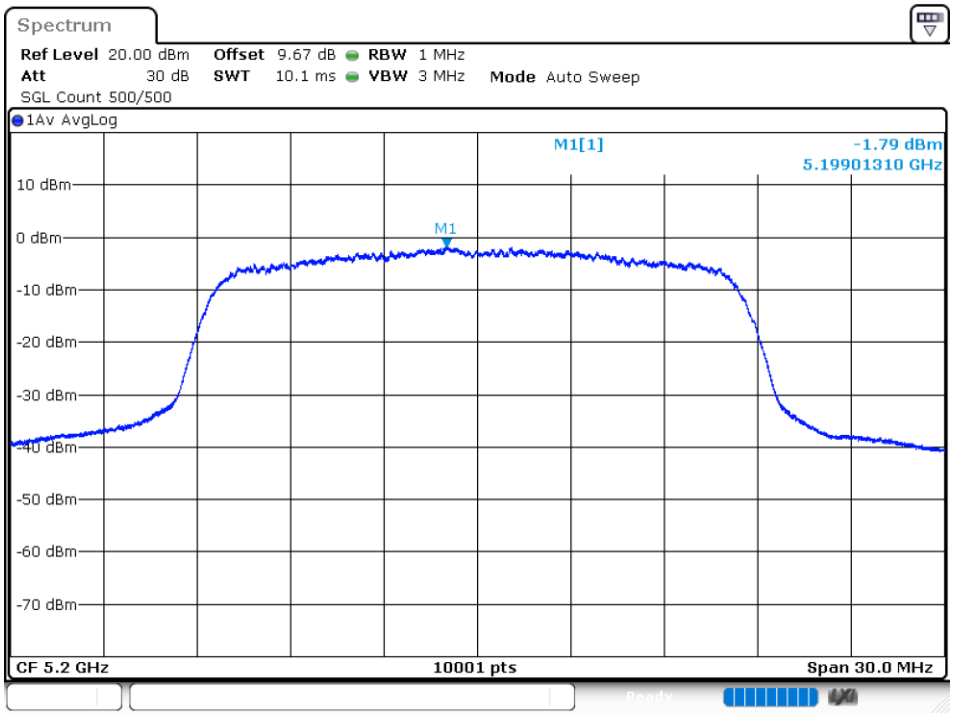
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.91	0.08	-0.83	11	Pass
NVNT	a	5200	Ant1	-1.79	0.08	-1.71	11	Pass
NVNT	a	5240	Ant1	-0.8	0.08	-0.72	11	Pass
NVNT	n20	5180	Ant1	-0.63	0.09	-0.54	11	Pass
NVNT	n20	5200	Ant1	-2.64	0.09	-2.55	11	Pass
NVNT	n20	5240	Ant1	-1.56	0.09	-1.47	11	Pass
NVNT	n40	5190	Ant1	-4.98	0.17	-4.81	11	Pass
NVNT	n40	5230	Ant1	-3.96	0.17	-3.79	11	Pass
NVNT	ac20	5180	Ant1	-1.66	0.09	-1.57	11	Pass
NVNT	ac20	5200	Ant1	-2.29	0.09	-2.2	11	Pass
NVNT	ac20	5240	Ant1	-0.39	0.09	-0.3	11	Pass
NVNT	ac40	5190	Ant1	-4.97	0.17	-4.8	11	Pass
NVNT	ac40	5230	Ant1	-4.69	0.17	-4.52	11	Pass
NVNT	ac80	5210	Ant1	-10.7	0.33	-10.37	11	Pass

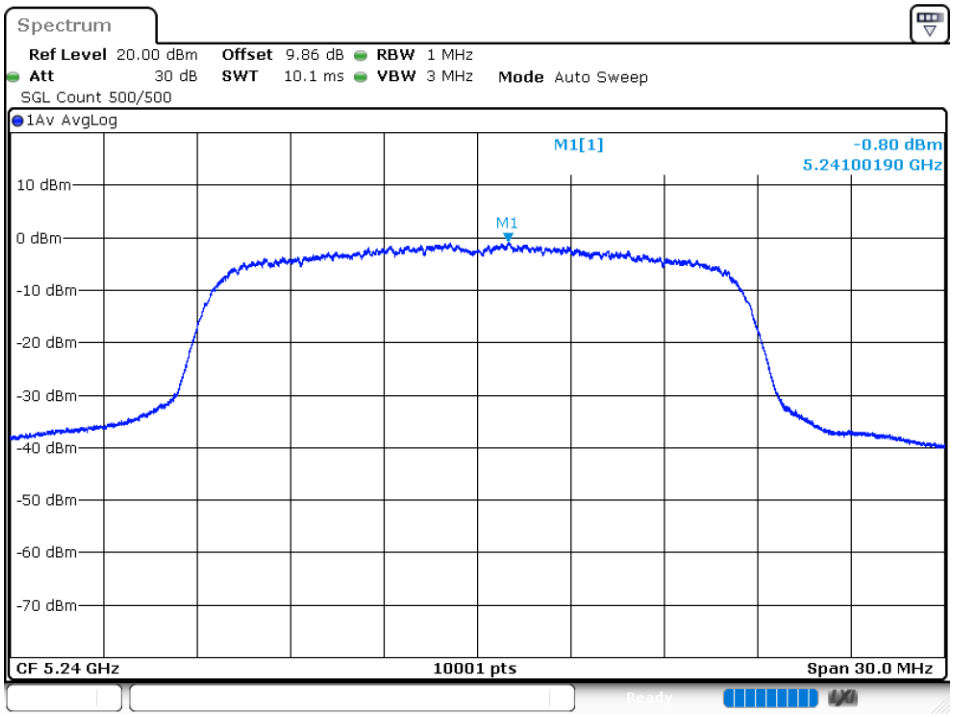
Test Graphs
PSD NVNT a 5180MHz Ant1



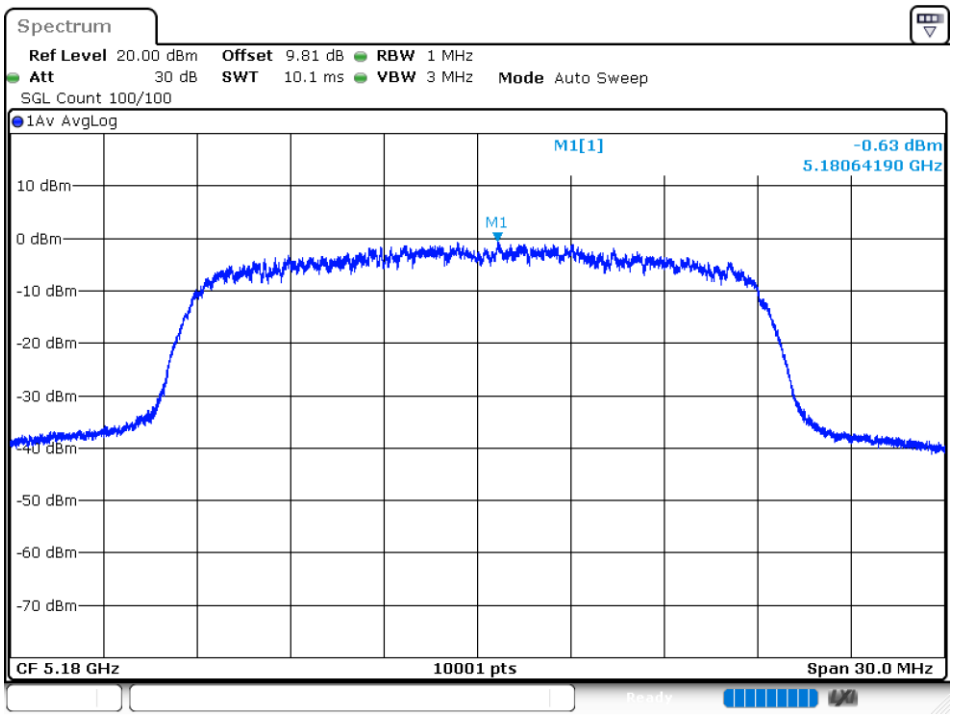
PSD NVNT a 5200MHz Ant1



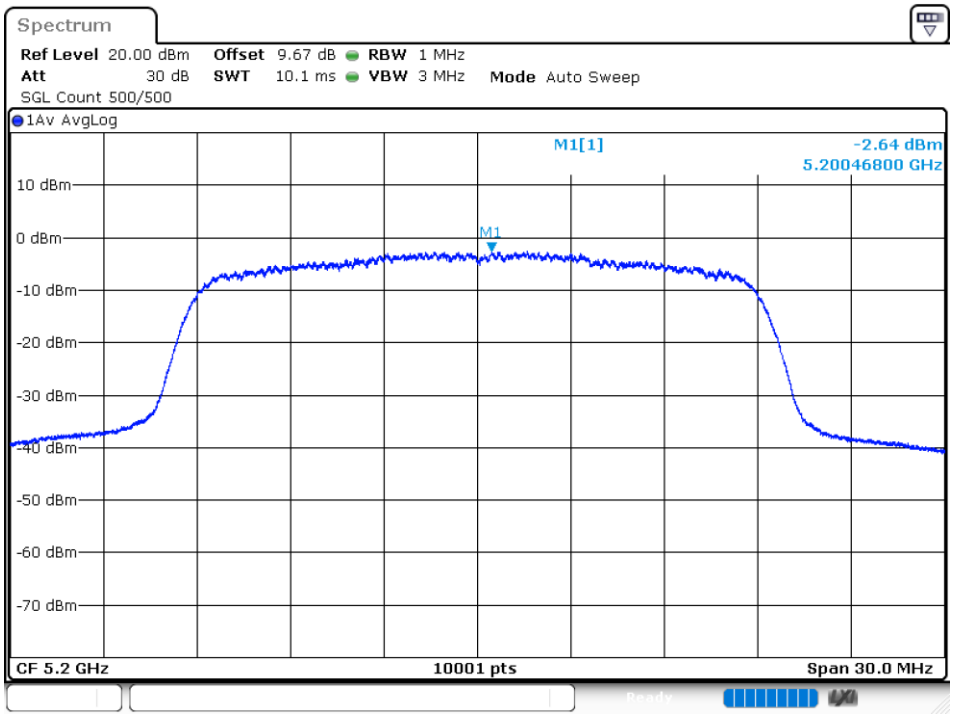
PSD NVNT a 5240MHz Ant1



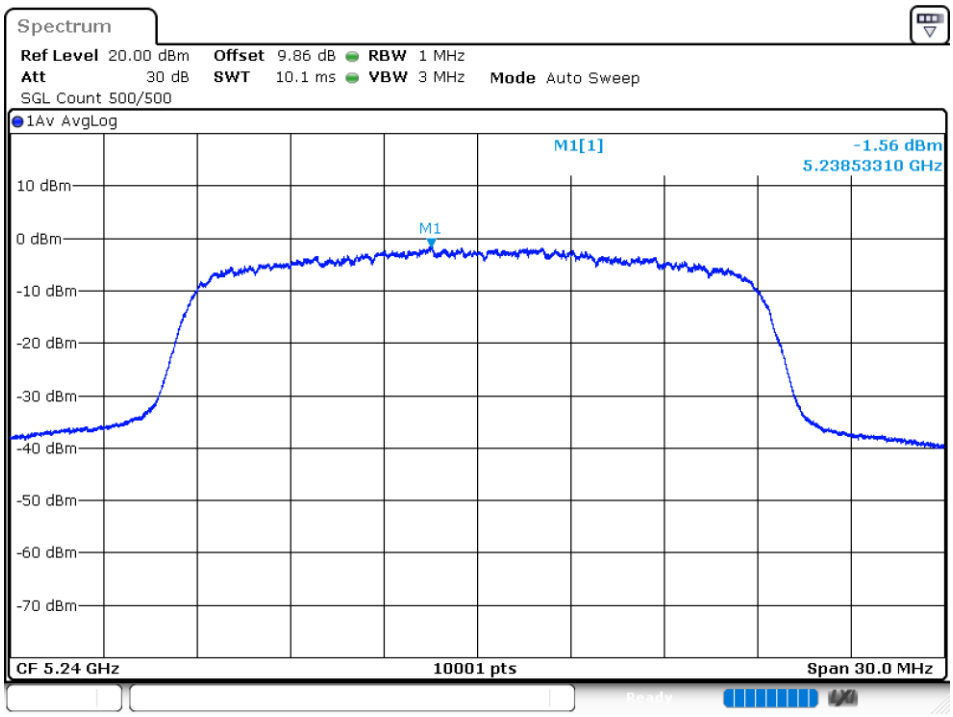
PSD NVNT n20 5180MHz Ant1



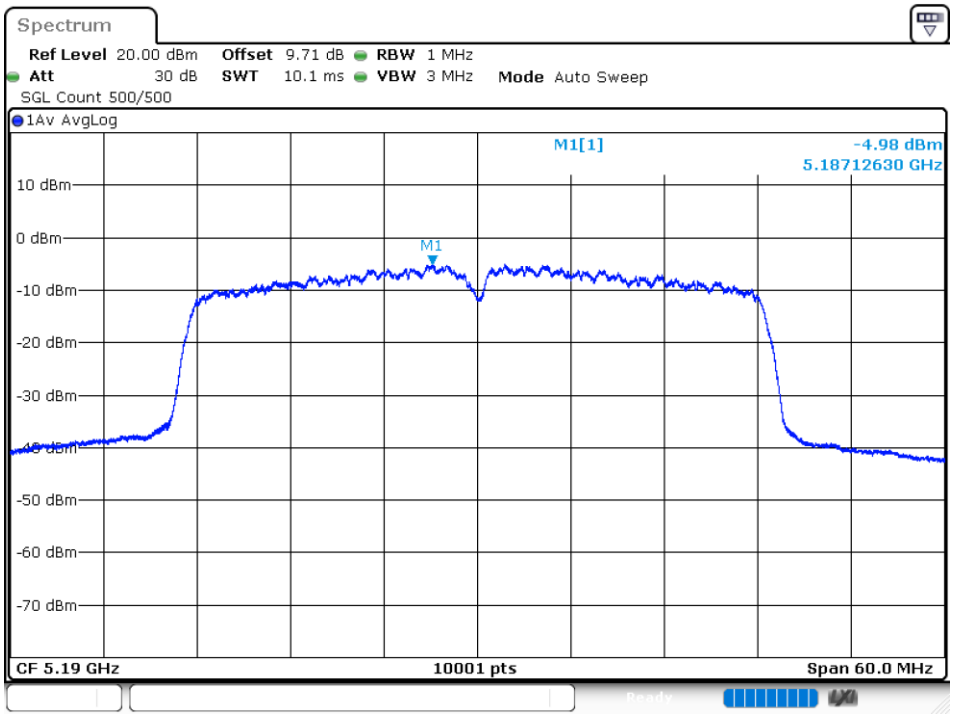
PSD NVNT n20 5200MHz Ant1



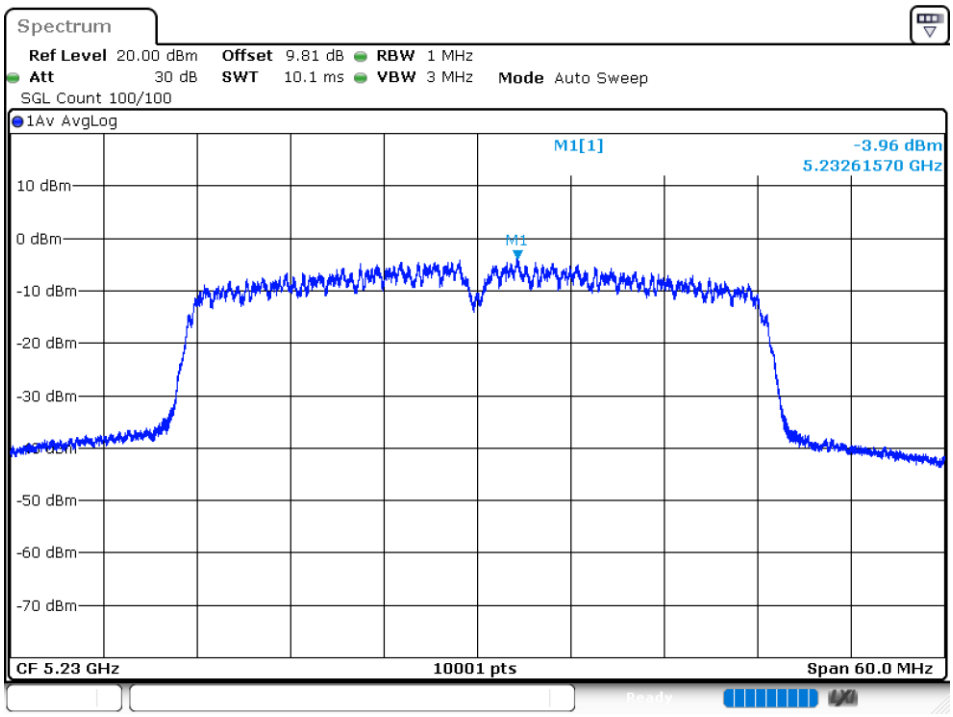
PSD NVNT n20 5240MHz Ant1



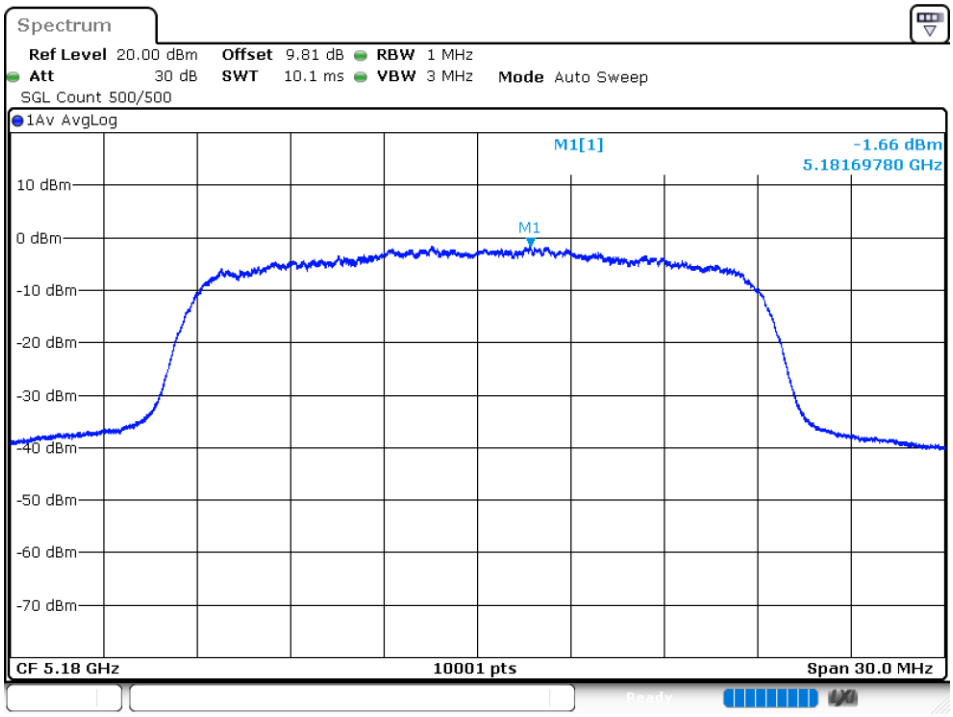
PSD NVNT n40 5190MHz Ant1



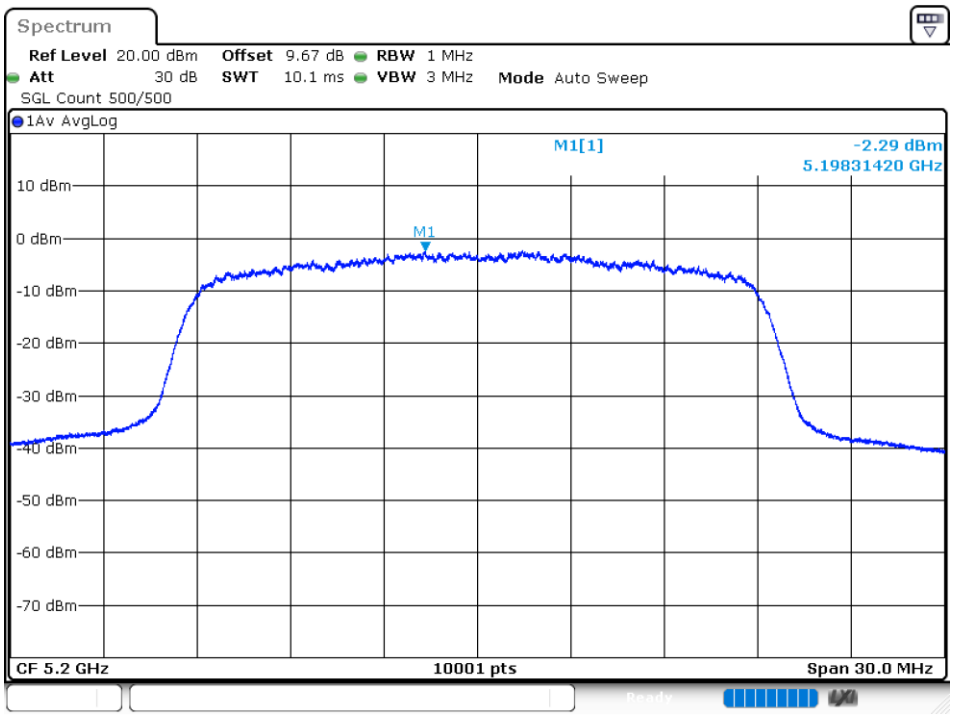
PSD NVNT n40 5230MHz Ant1



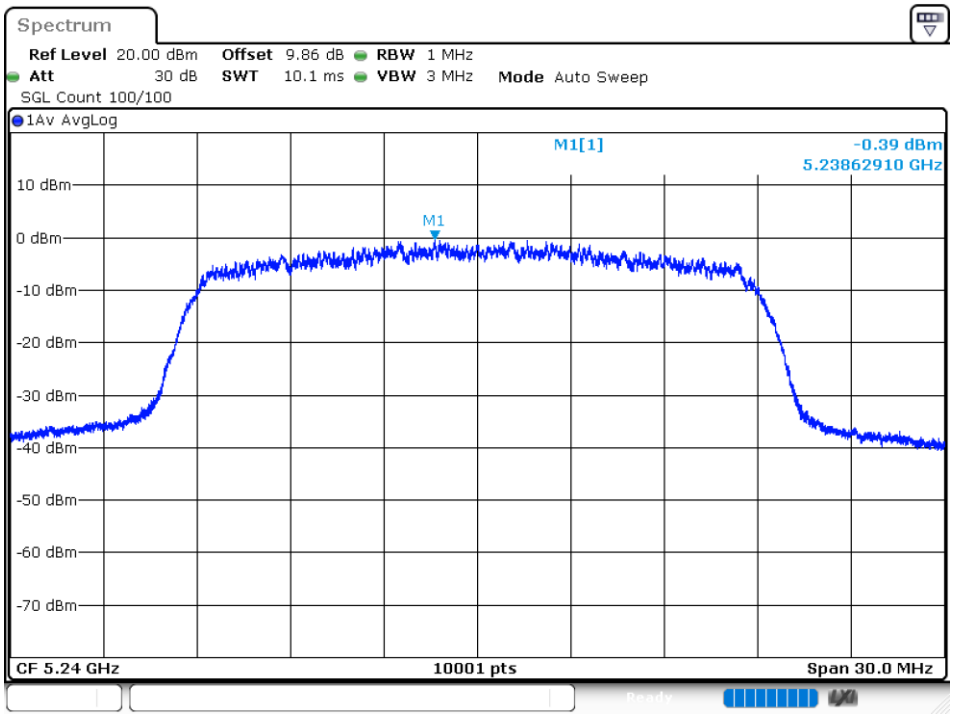
PSD NVNT ac20 5180MHz Ant1



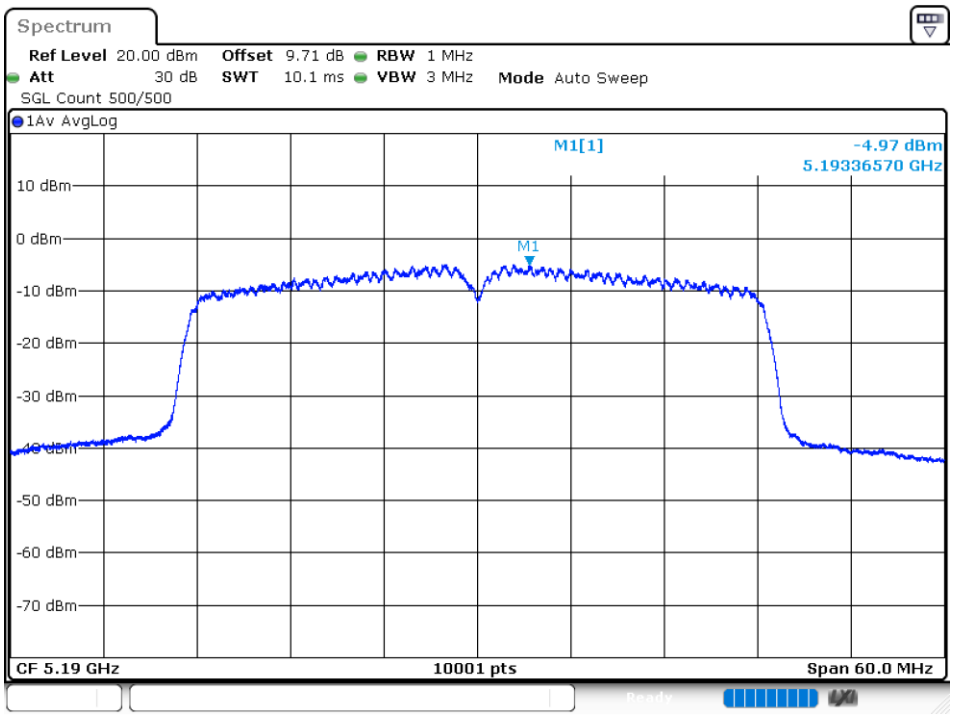
PSD NVNT ac20 5200MHz Ant1



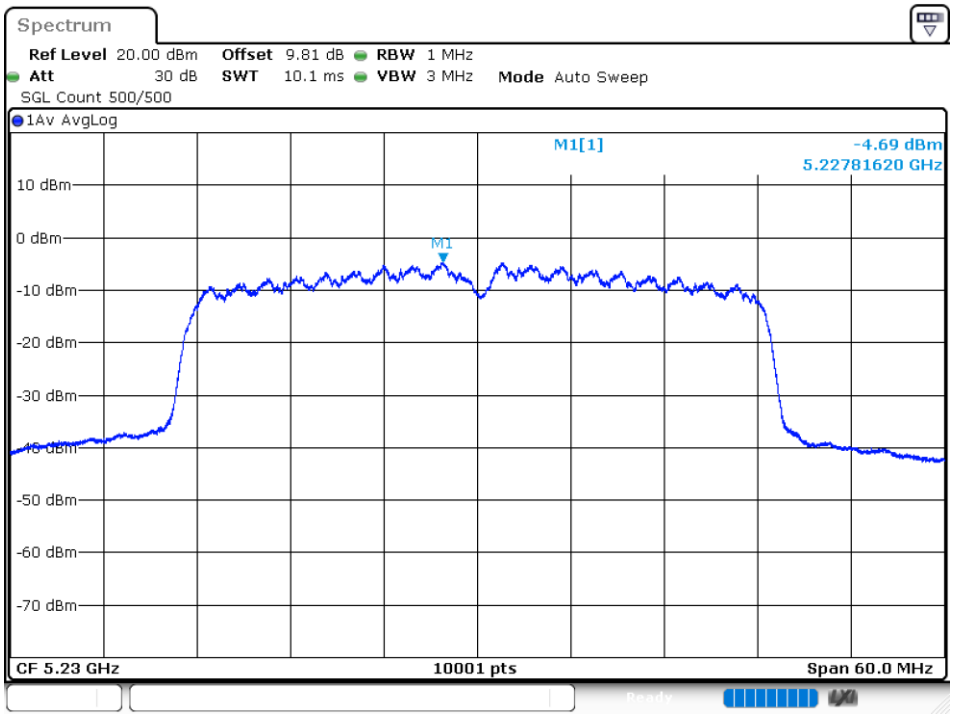
PSD NVNT ac20 5240MHz Ant1



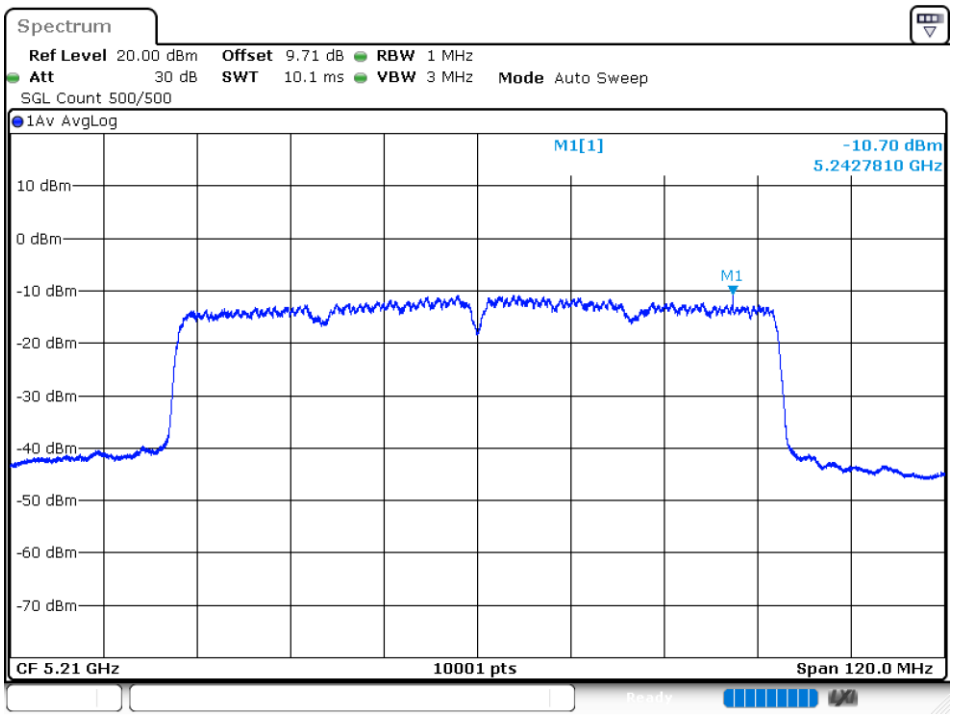
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



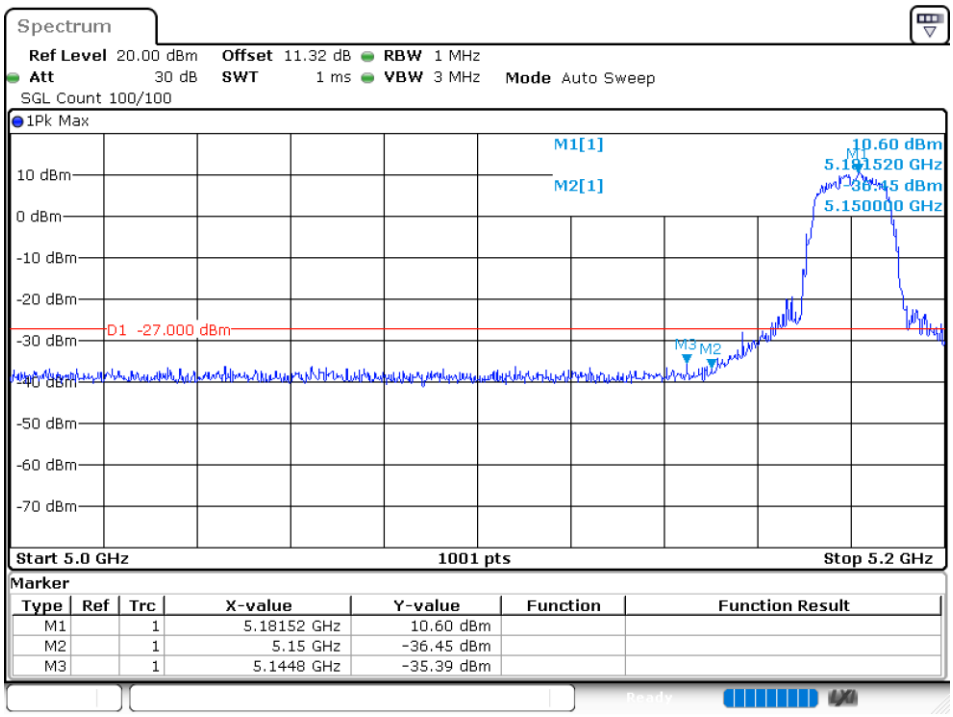
PSD NVNT ac80 5210MHz Ant1



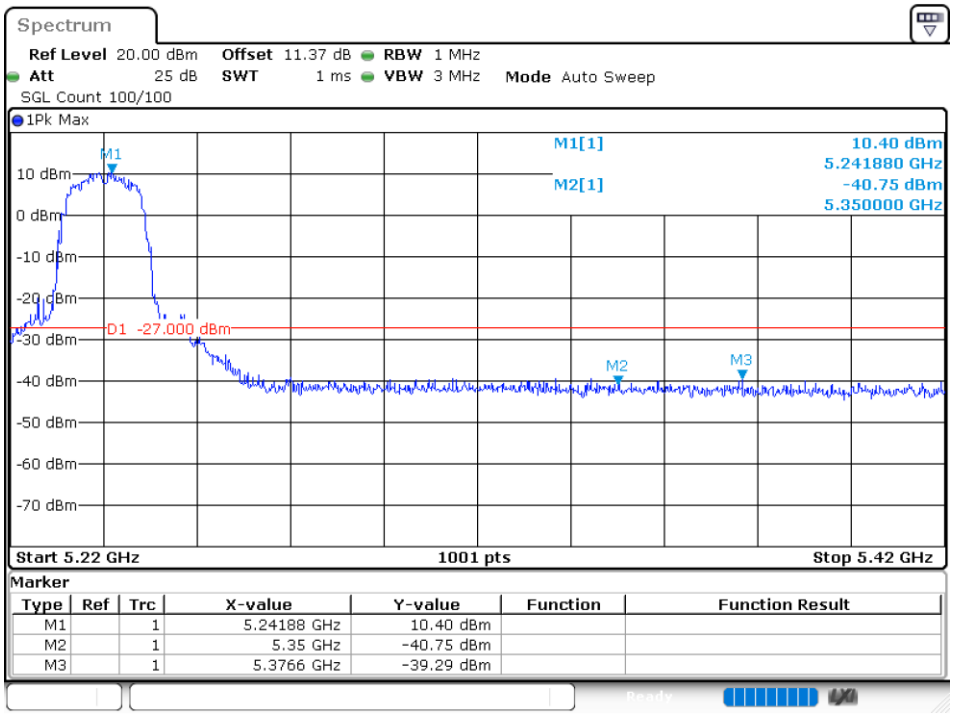
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.38	-27	Pass
NVNT	a	5240	Ant1	-39.28	-27	Pass
NVNT	n20	5180	Ant1	-33.83	-27	Pass
NVNT	n20	5240	Ant1	-39.35	-27	Pass
NVNT	n40	5190	Ant1	-30.2	-27	Pass
NVNT	n40	5230	Ant1	-35.35	-27	Pass
NVNT	ac20	5180	Ant1	-35.96	-27	Pass
NVNT	ac20	5240	Ant1	-38.58	-27	Pass
NVNT	ac40	5190	Ant1	-30.81	-27	Pass
NVNT	ac40	5230	Ant1	-39.58	-27	Pass
NVNT	ac80	5210	Ant1	-40.38	-27	Pass

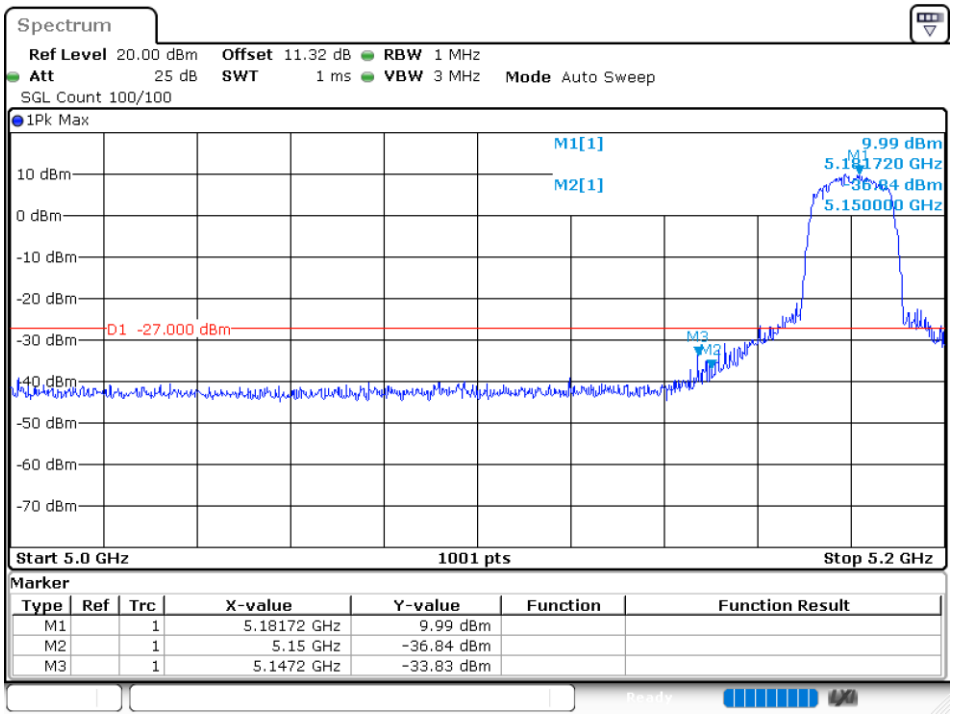
Test Graphs
Band Edge NVNT a 5180MHz Low Ant1



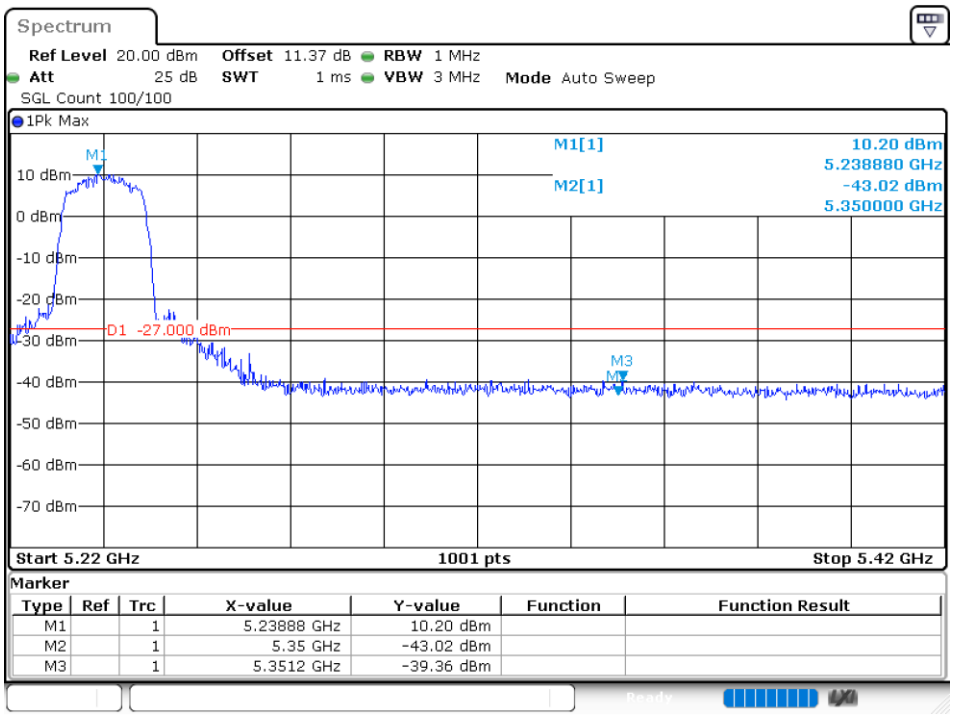
Band Edge NVNT a 5240MHz High Ant1



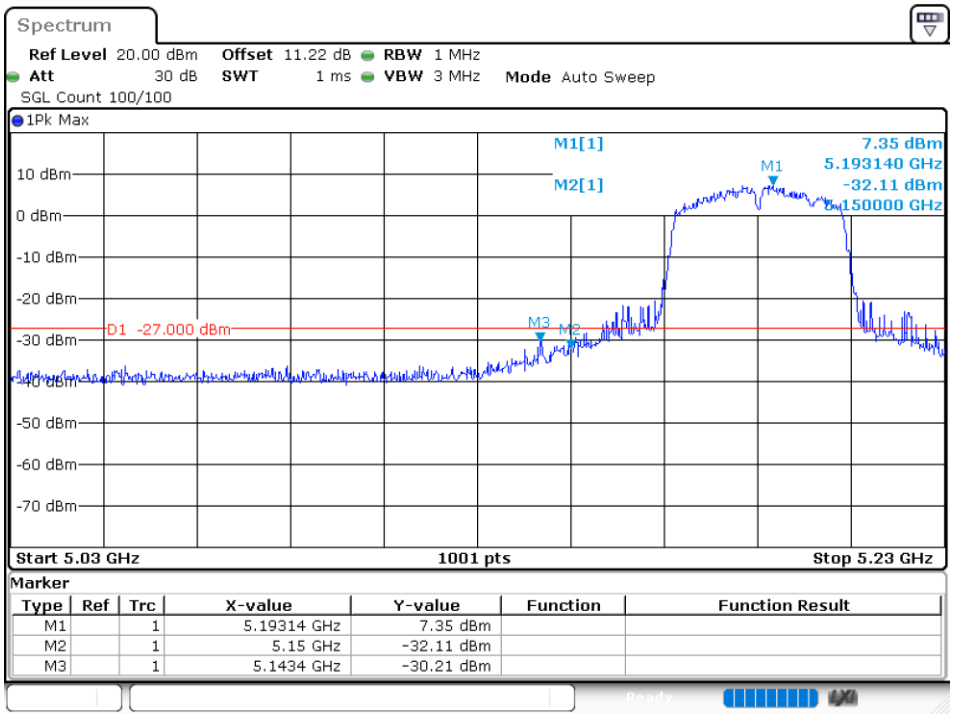
Band Edge NVNT n20 5180MHz Low Ant1



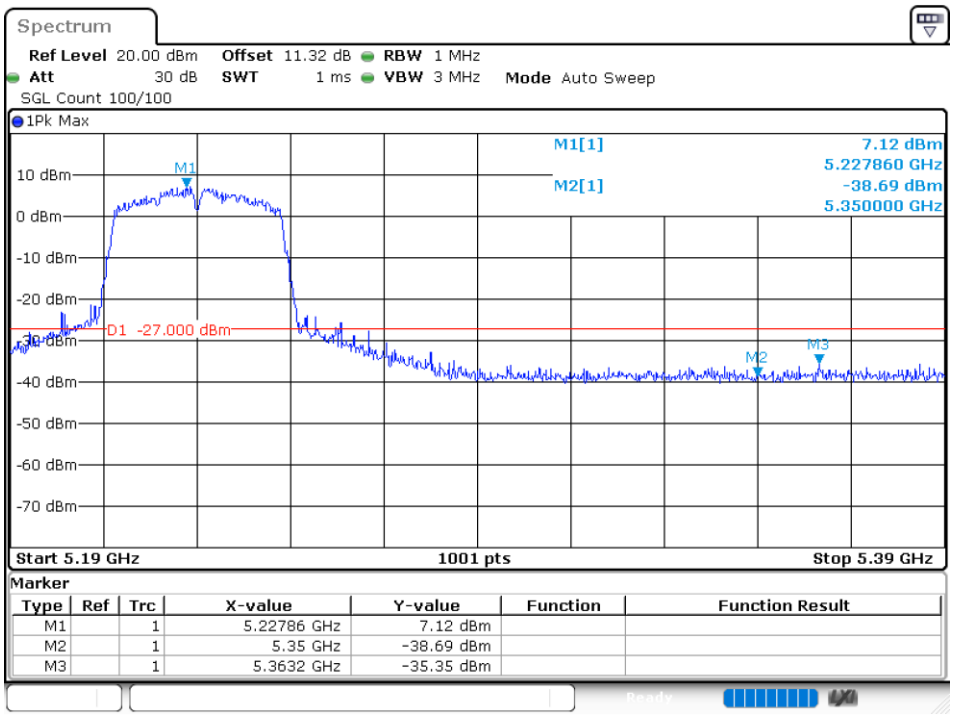
Band Edge NVNT n20 5240MHz High Ant1



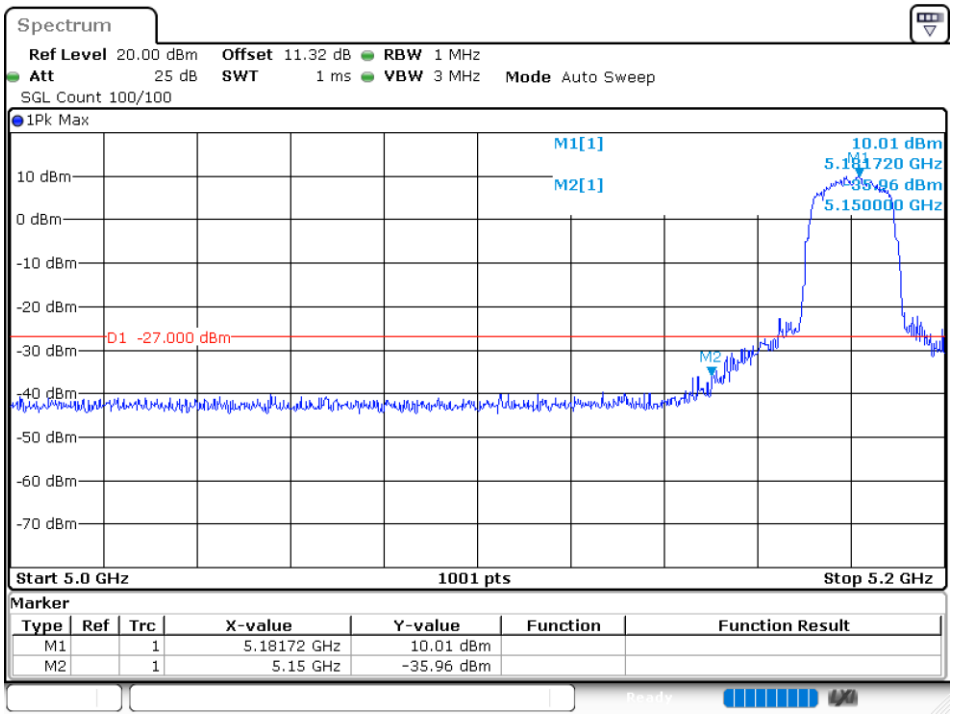
Band Edge NVNT n40 5190MHz Low Ant1



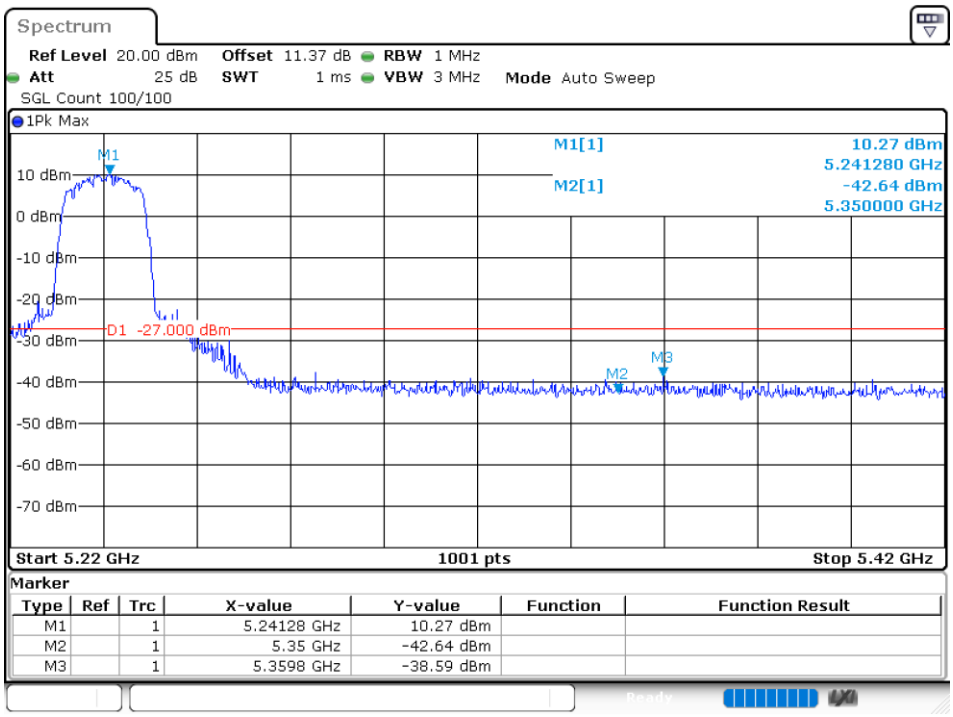
Band Edge NVNT n40 5230MHz High Ant1



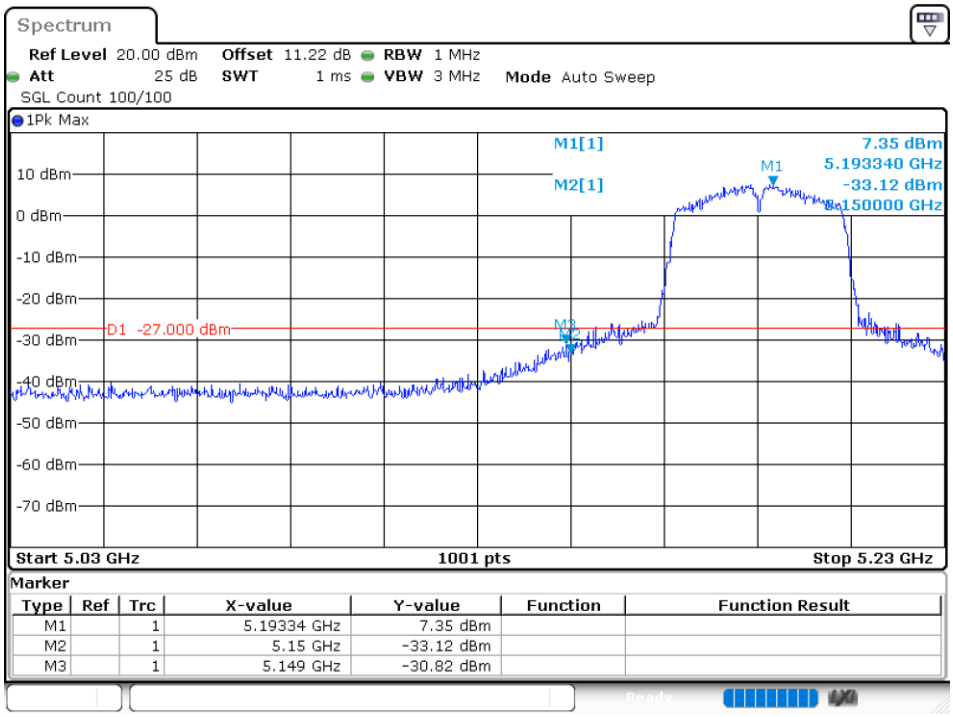
Band Edge NVNT ac20 5180MHz Low Ant1



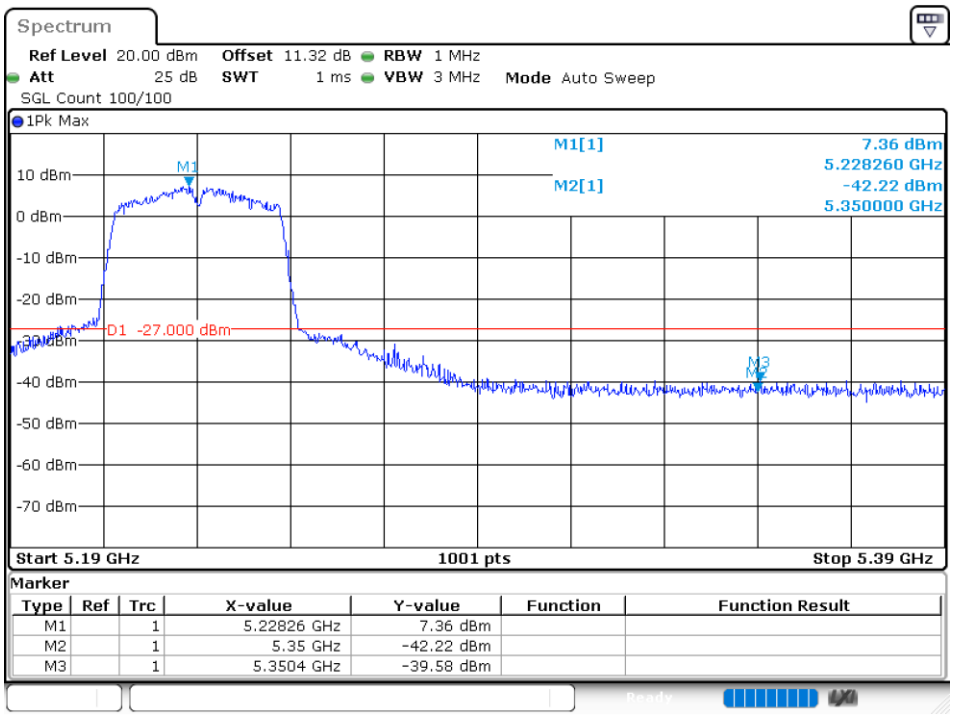
Band Edge NVNT ac20 5240MHz High Ant1



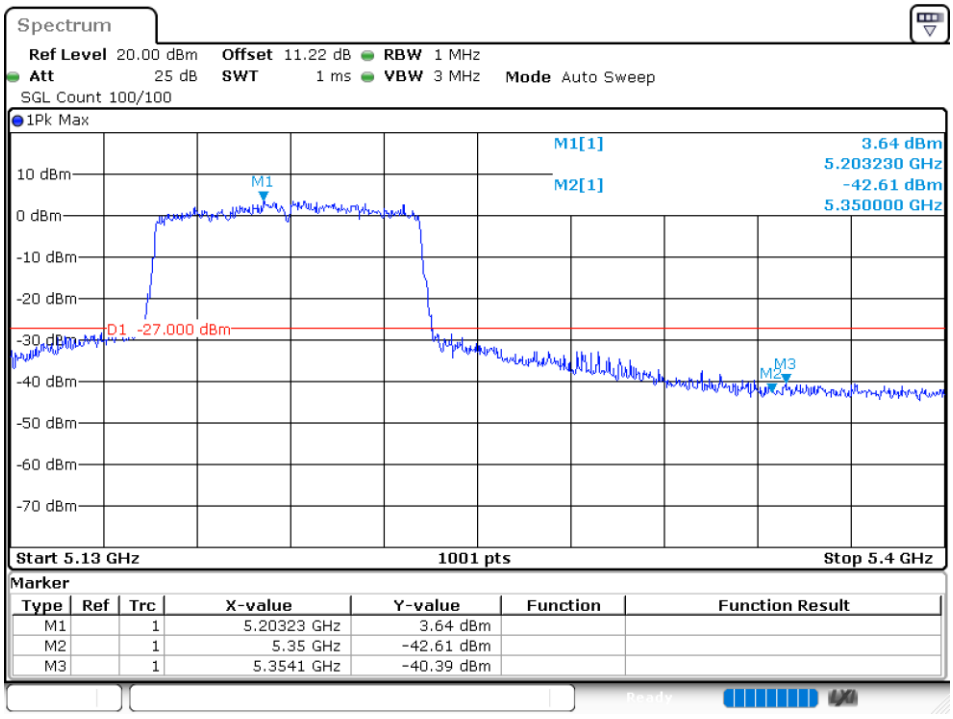
Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1



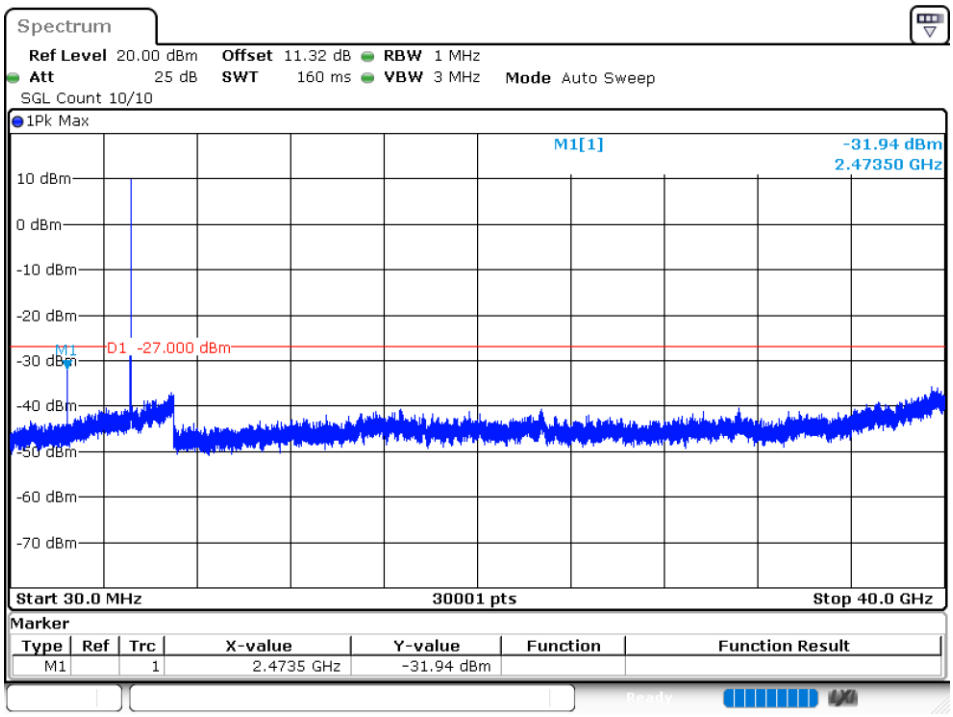
Band Edge NVNT ac80 5210MHz High Ant1



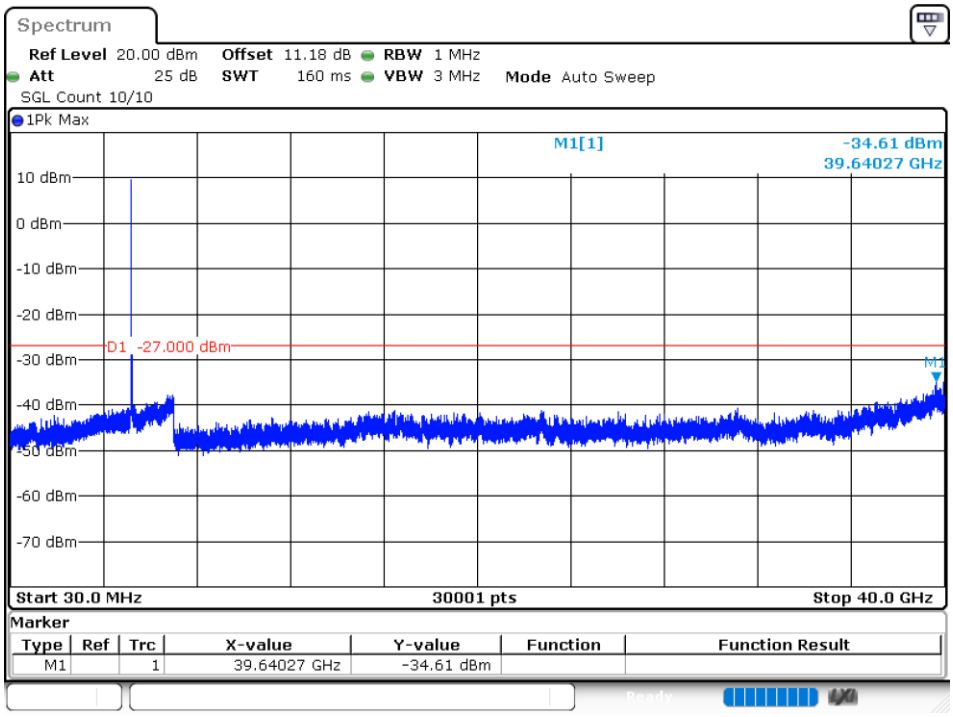
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-31.94	-27	Pass
NVNT	a	5200	Ant1	-34.61	-27	Pass
NVNT	a	5240	Ant1	-35.84	-27	Pass
NVNT	n20	5180	Ant1	-35.38	-27	Pass
NVNT	n20	5200	Ant1	-36.36	-27	Pass
NVNT	n20	5240	Ant1	-34	-27	Pass
NVNT	n40	5190	Ant1	-36	-27	Pass
NVNT	n40	5230	Ant1	-35.59	-27	Pass
NVNT	ac20	5180	Ant1	-27.28	-27	Pass
NVNT	ac20	5200	Ant1	-36	-27	Pass
NVNT	ac20	5240	Ant1	-33.24	-27	Pass
NVNT	ac40	5190	Ant1	-34.08	-27	Pass
NVNT	ac40	5230	Ant1	-36.12	-27	Pass
NVNT	ac80	5210	Ant1	-34.83	-27	Pass

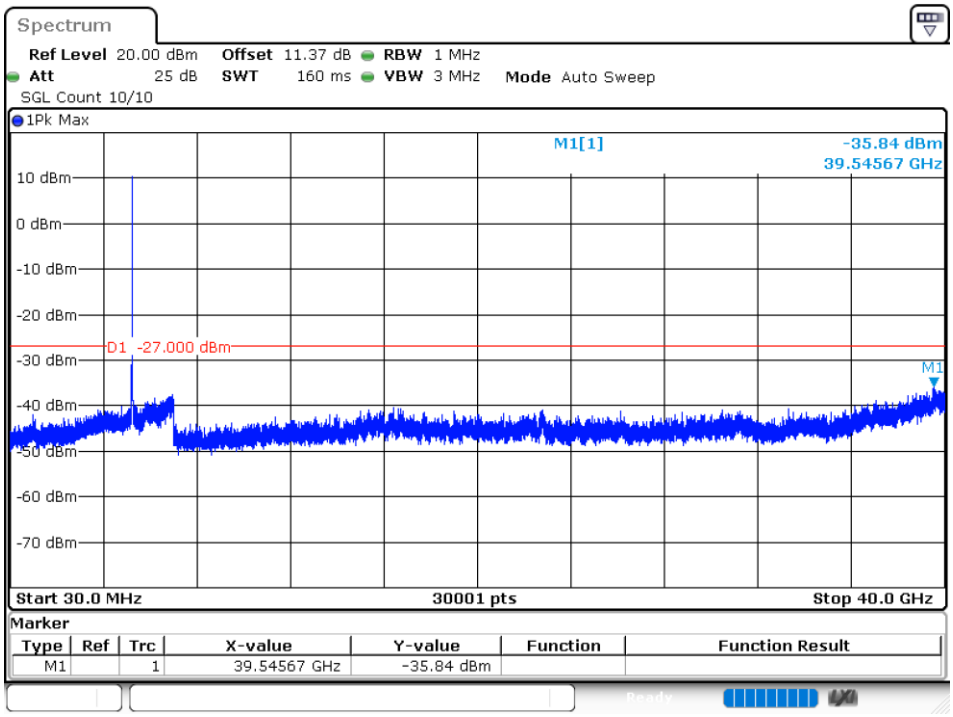
Test Graphs
Tx. Spurious NVNT a 5180MHz Ant1 Emission



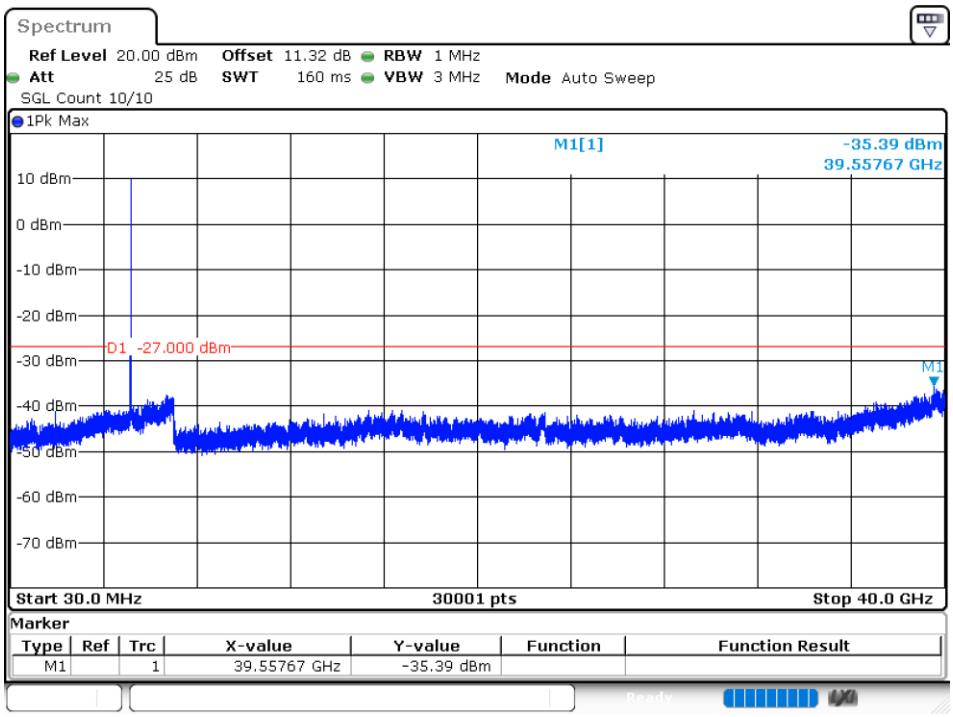
Tx. Spurious NVNT a 5200MHz Ant1 Emission



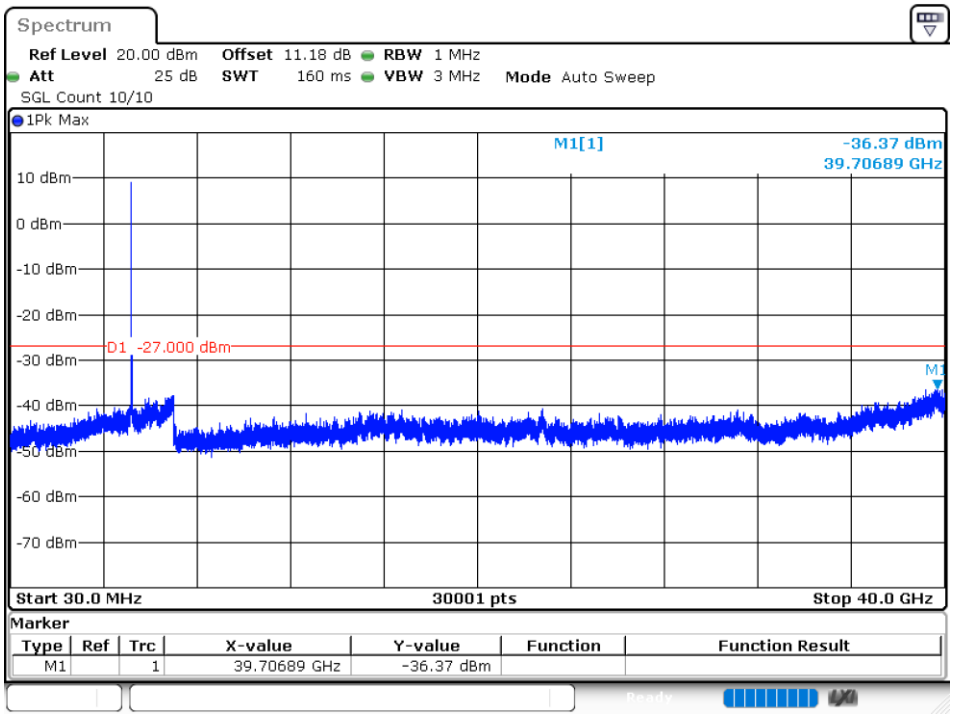
Tx. Spurious NVNT a 5240MHz Ant1 Emission



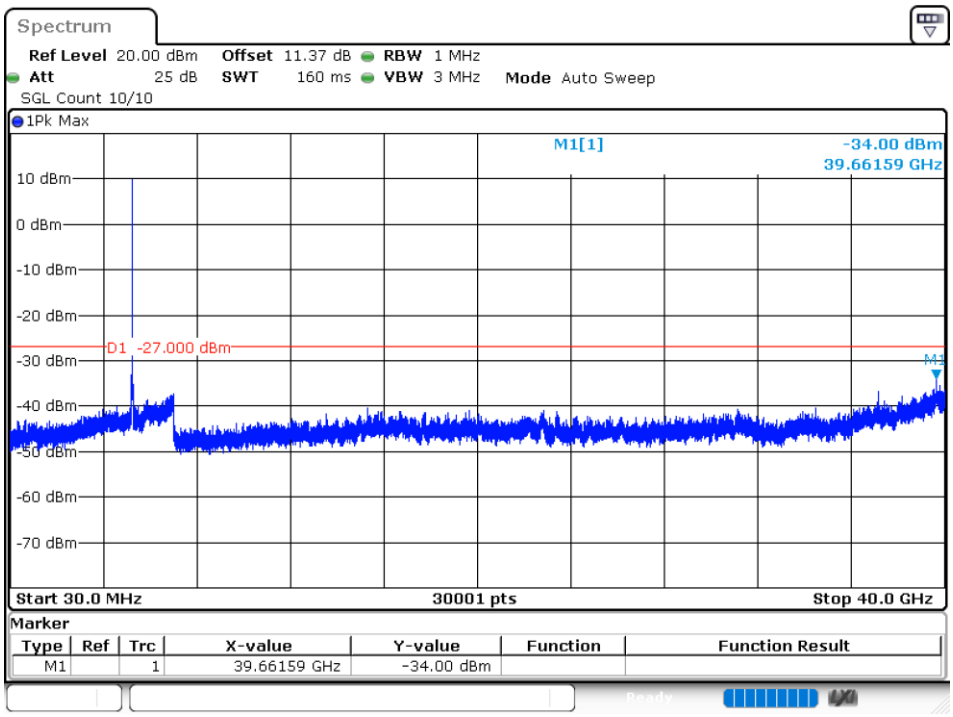
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



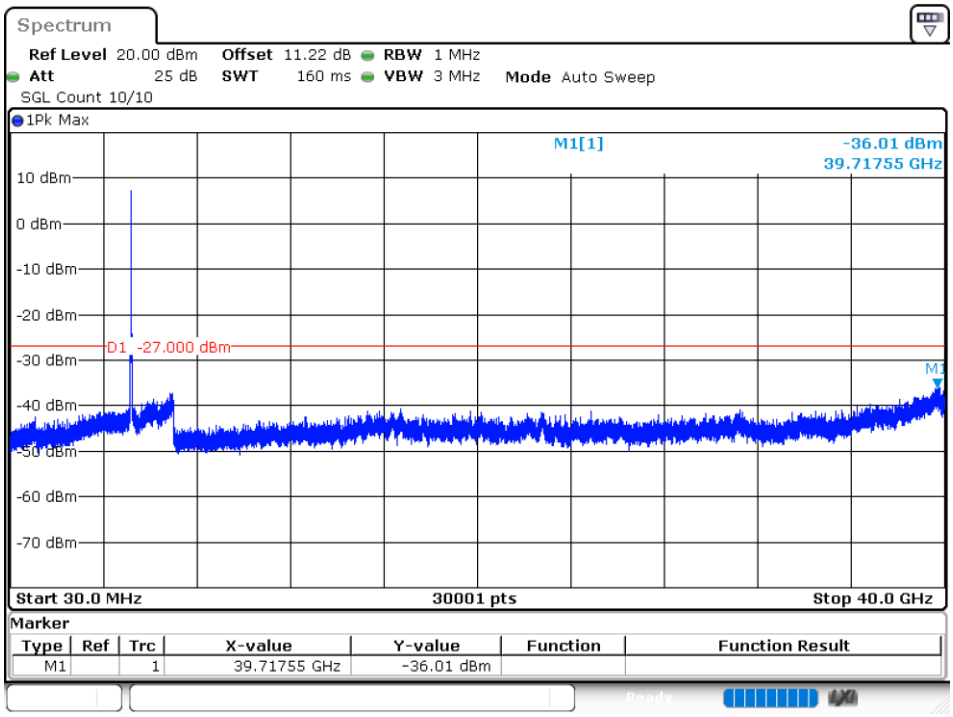
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



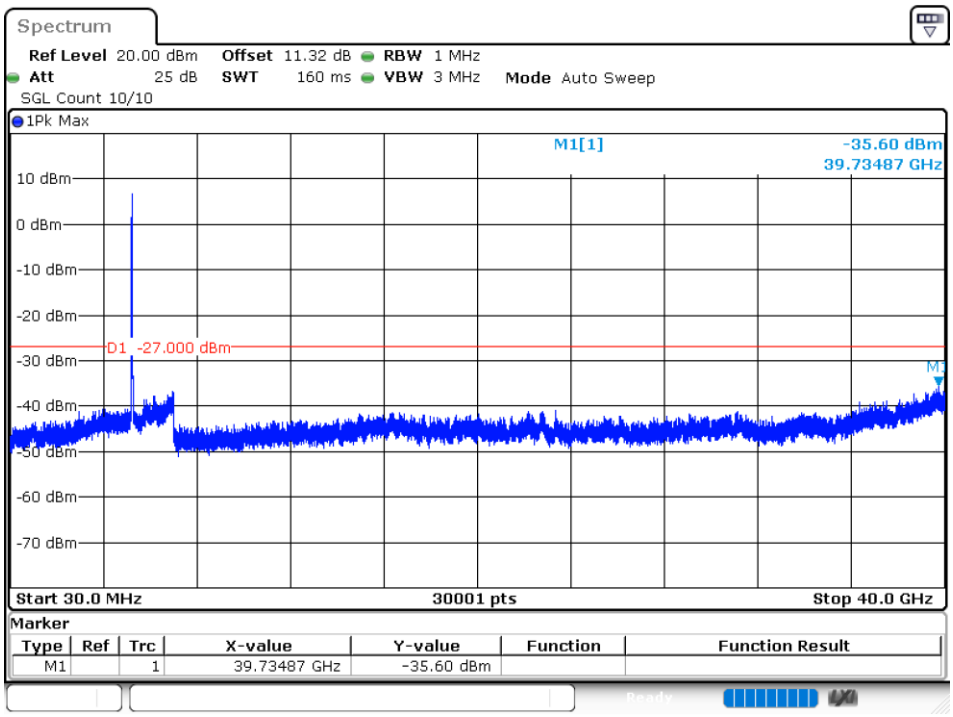
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



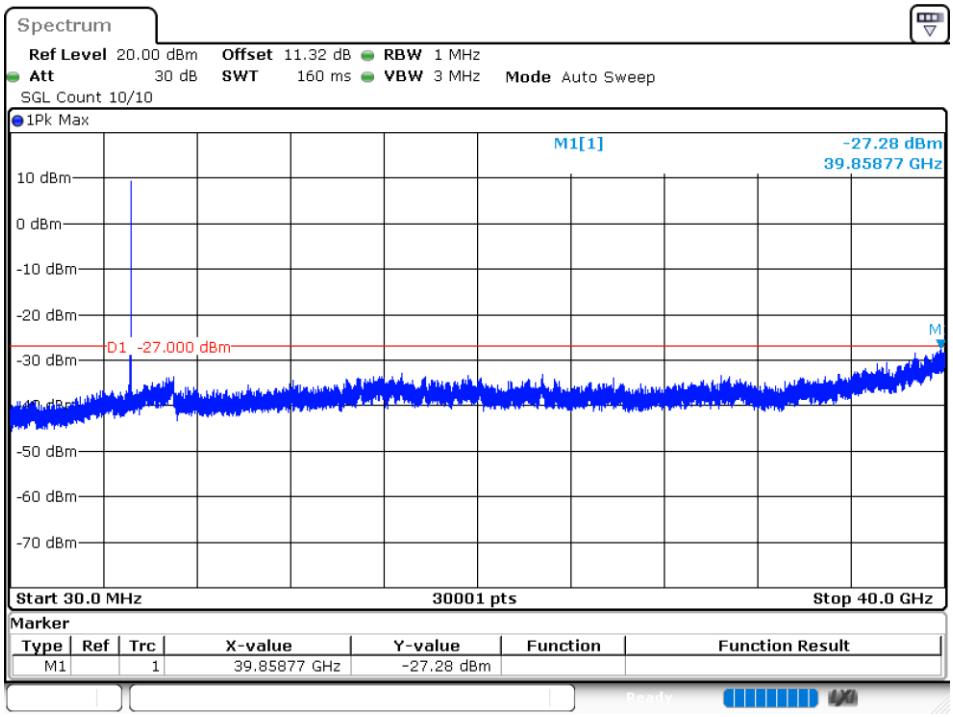
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



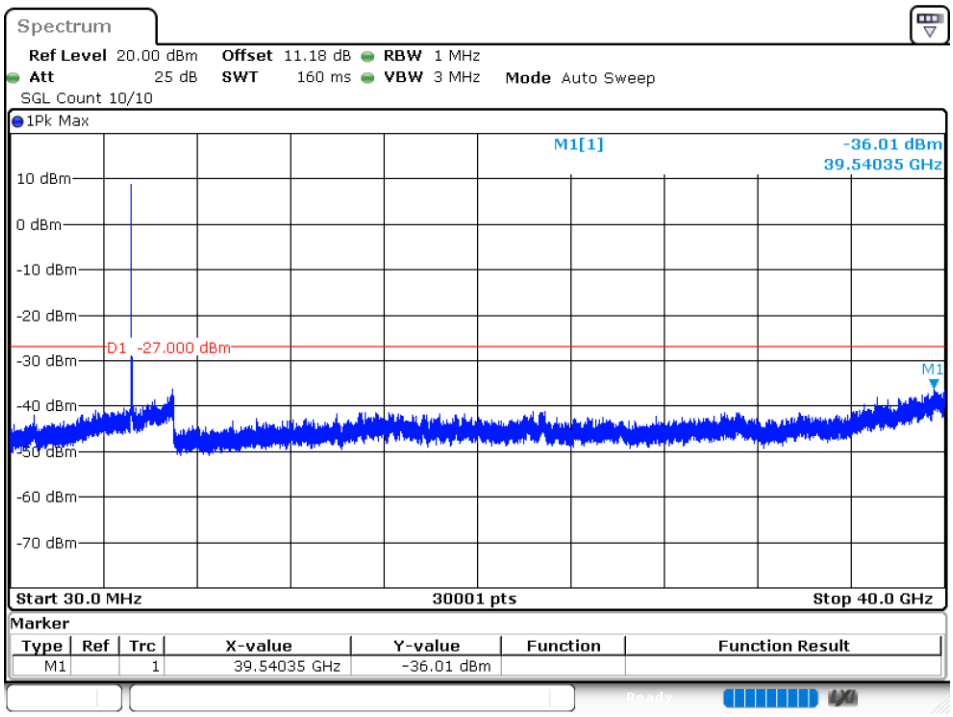
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



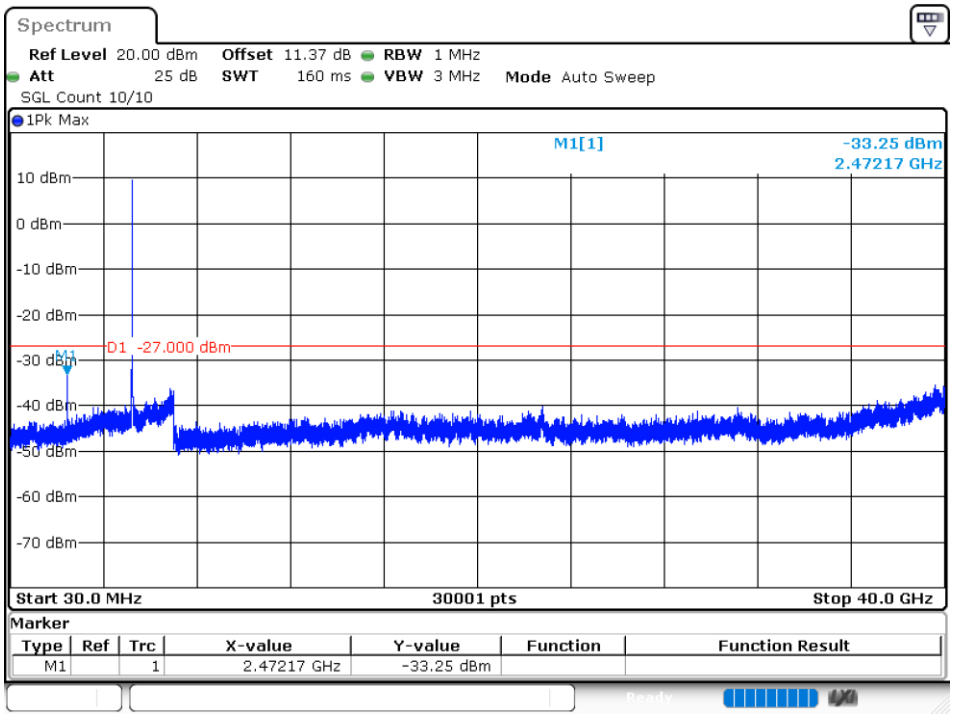
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



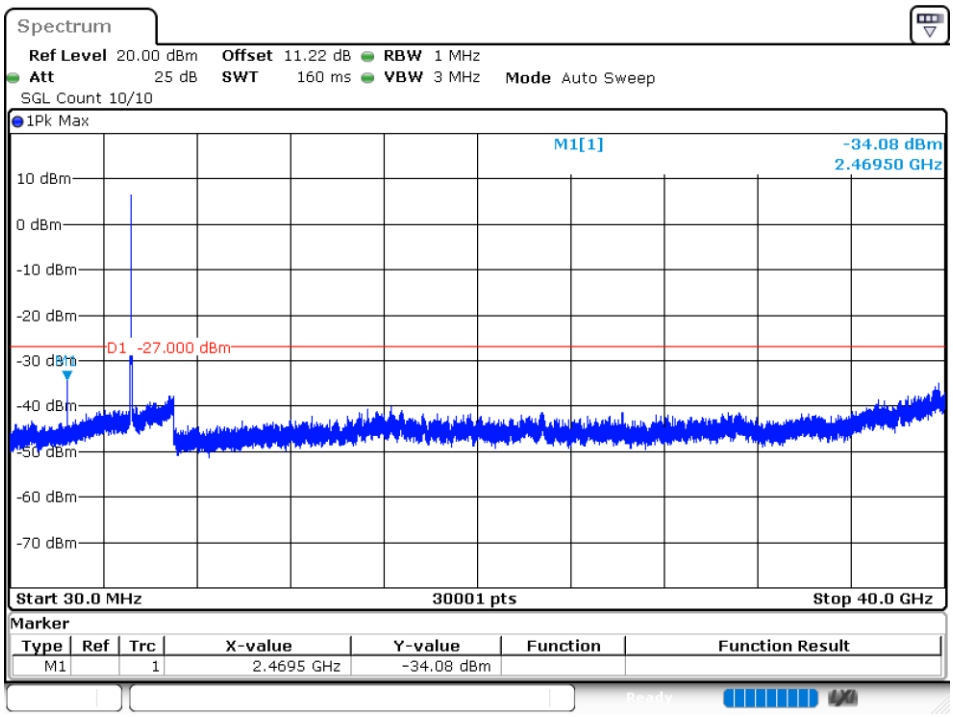
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



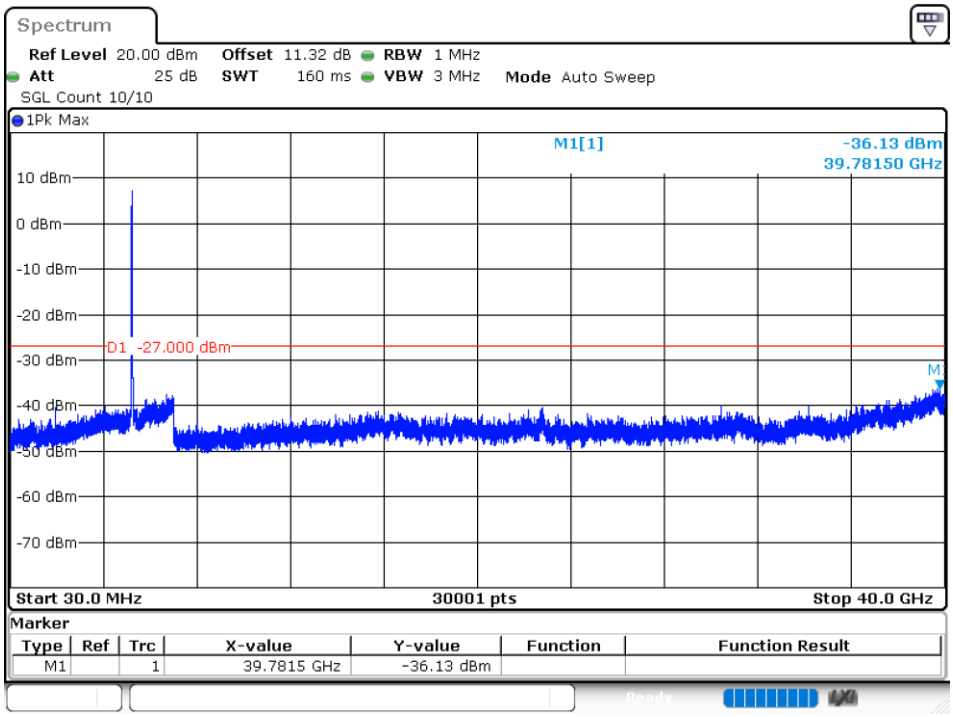
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission