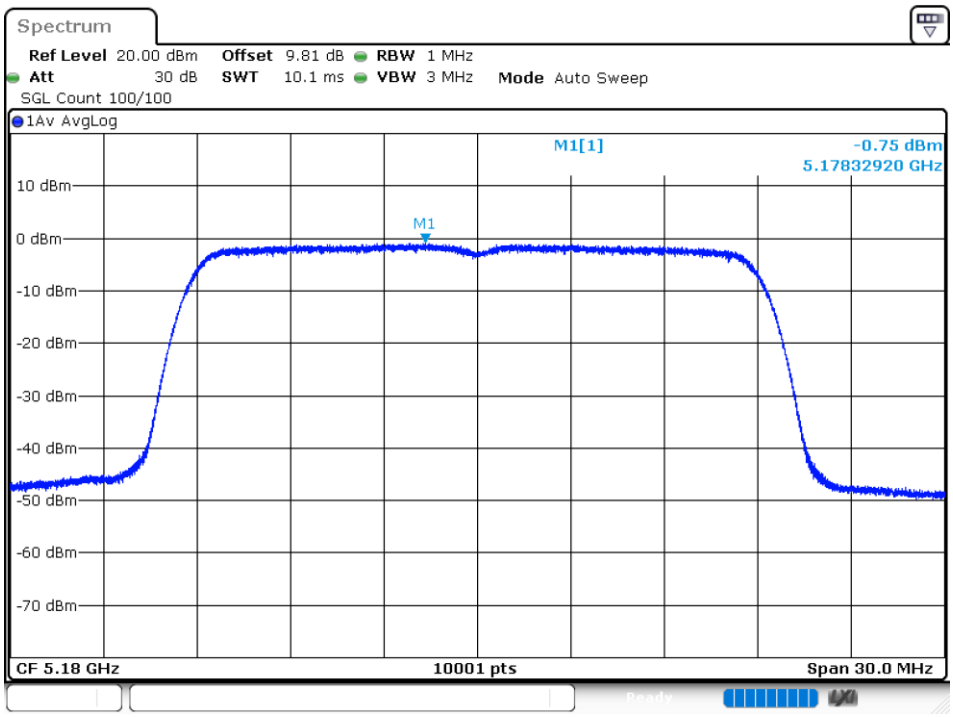
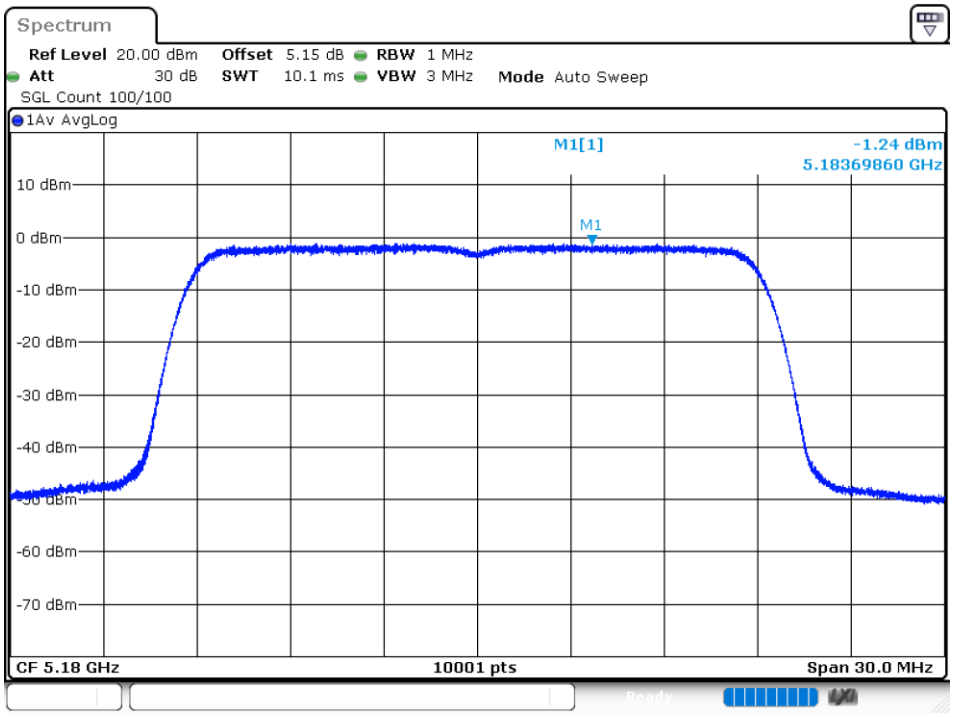
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-0.75	0	-0.75	8.72	Pass
NVNT	ac20	5180	Ant2	-1.24	0	-1.24	8.72	Pass
NVNT	ac20	5180	Sum	2.02	0	2.02	8.72	Pass
NVNT	ac20	5200	Ant1	-1.05	0	-1.05	8.72	Pass
NVNT	ac20	5200	Ant2	-1.17	0	-1.17	8.72	Pass
NVNT	ac20	5200	Sum	1.9	0	1.9	8.72	Pass
NVNT	ac20	5240	Ant1	-1.03	0	-1.03	8.72	Pass
NVNT	ac20	5240	Ant2	-1.54	0	-1.54	8.72	Pass
NVNT	ac20	5240	Sum	1.73	0	1.73	8.72	Pass
NVNT	ac40	5190	Ant1	-3.15	0	-3.15	8.72	Pass
NVNT	ac40	5190	Ant2	-3.72	0	-3.72	8.72	Pass
NVNT	ac40	5190	Sum	-0.42	0	-0.42	8.72	Pass
NVNT	ac40	5230	Ant1	-3.9	0	-3.9	8.72	Pass
NVNT	ac40	5230	Ant2	-4.05	0	-4.05	8.72	Pass
NVNT	ac40	5230	Sum	-0.96	0	-0.96	8.72	Pass
NVNT	ac80	5210	Ant1	-7.93	0	-7.93	8.72	Pass
NVNT	ac80	5210	Ant2	-7.7	0	-7.7	8.72	Pass
NVNT	ac80	5210	Sum	-4.8	0	-4.8	8.72	Pass
NVNT	n20	5180	Ant1	-1.03	0	-1.03	8.72	Pass
NVNT	n20	5180	Ant2	-0.96	0	-0.96	8.72	Pass
NVNT	n20	5180	Sum	2.02	0	2.02	8.72	Pass
NVNT	n20	5200	Ant1	-1.09	0	-1.09	8.72	Pass
NVNT	n20	5200	Ant2	-1.05	0	-1.05	8.72	Pass
NVNT	n20	5200	Sum	1.94	0	1.94	8.72	Pass
NVNT	n20	5240	Ant1	-1.33	0	-1.33	8.72	Pass
NVNT	n20	5240	Ant2	-1.17	0	-1.17	8.72	Pass
NVNT	n20	5240	Sum	1.76	0	1.76	8.72	Pass
NVNT	n40	5190	Ant1	-3.76	0	-3.76	8.72	Pass
NVNT	n40	5190	Ant2	-3.5	0	-3.5	8.72	Pass
NVNT	n40	5190	Sum	-0.62	0	-0.62	8.72	Pass
NVNT	n40	5230	Ant1	3.47	0	3.47	8.72	Pass
NVNT	n40	5230	Ant2	2.63	0	2.63	8.72	Pass
NVNT	n40	5230	Sum	6.08	0	6.08	8.72	Pass

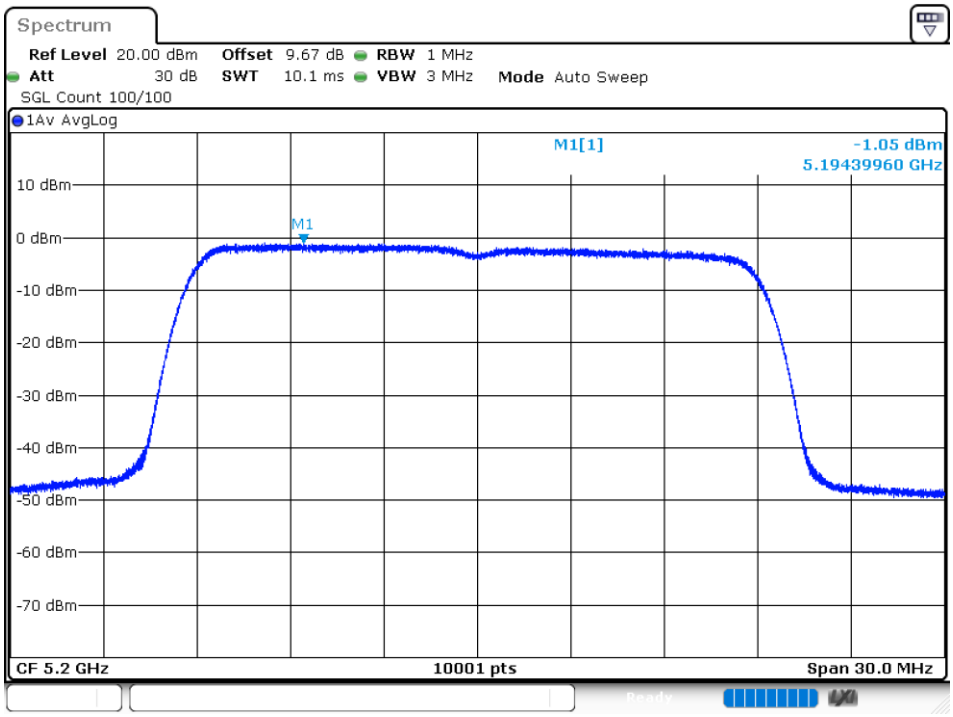
Test Graphs
PSD NVNT ac20 5180MHz Ant1



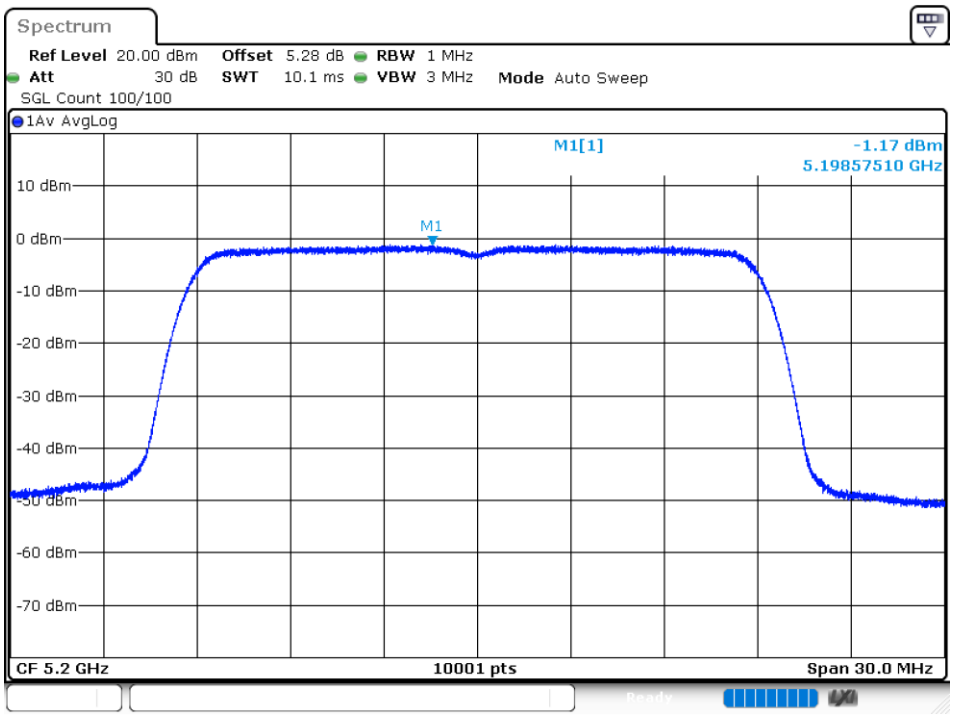
PSD NVNT ac20 5180MHz Ant2



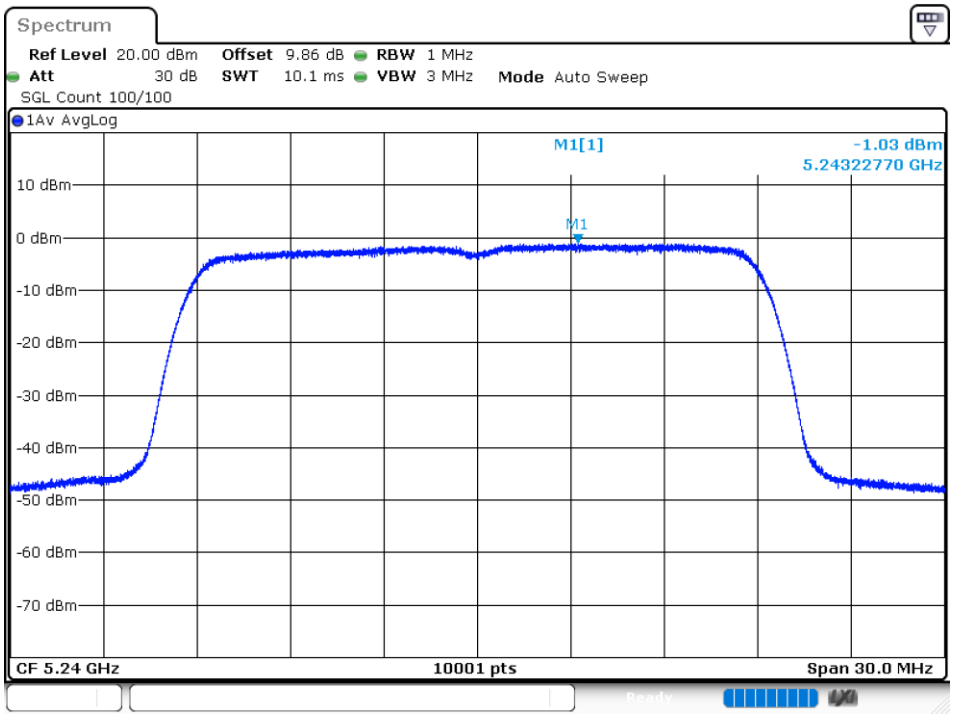
PSD NVNT ac20 5200MHz Ant1



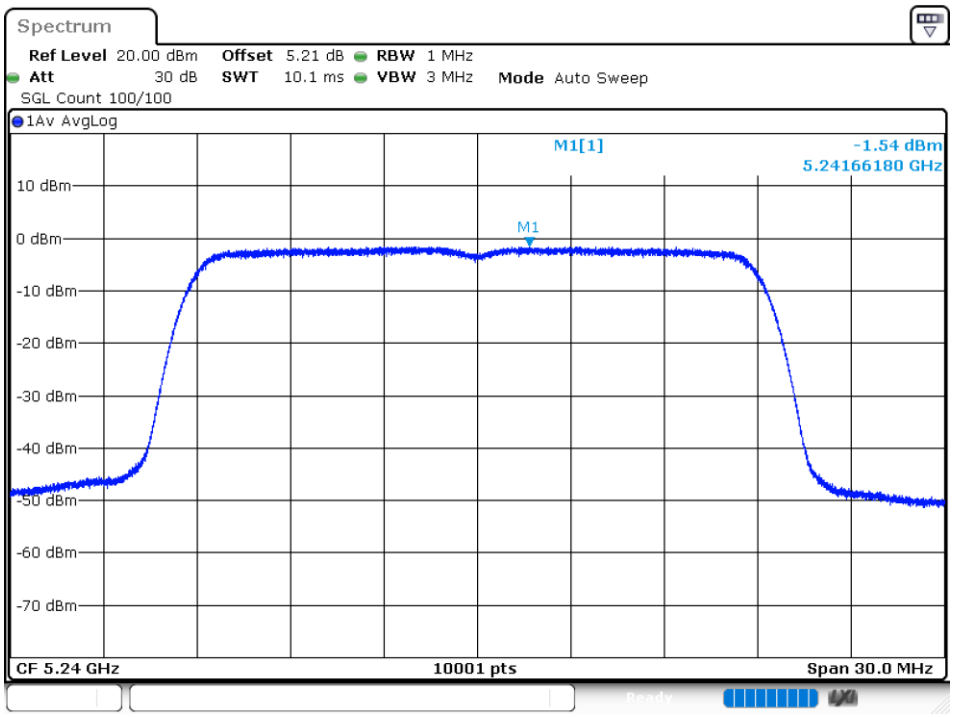
PSD NVNT ac20 5200MHz Ant2



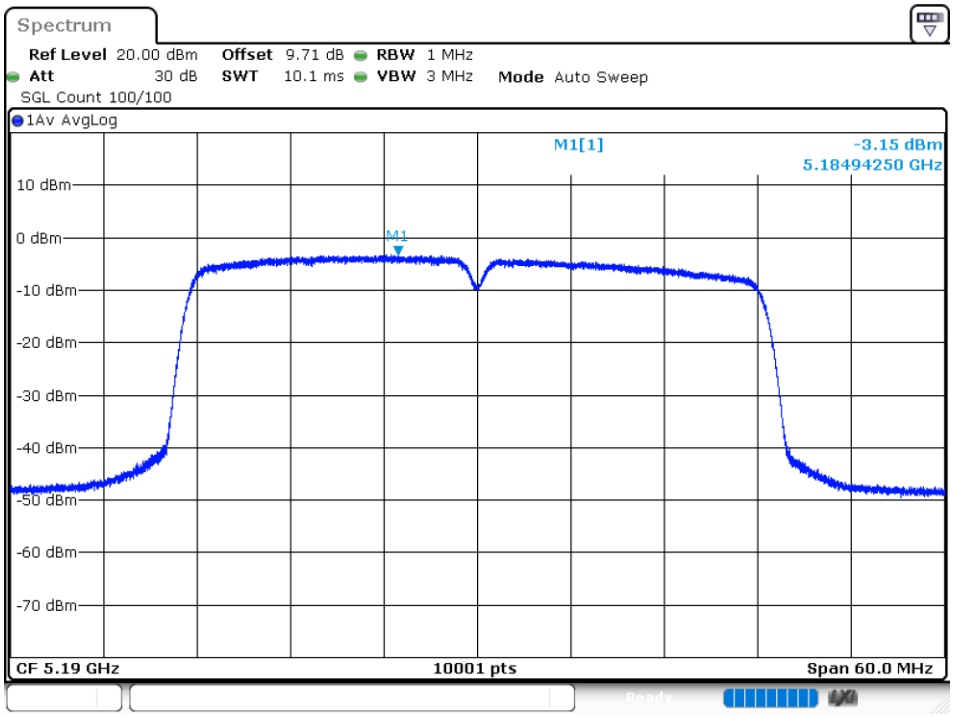
PSD NVNT ac20 5240MHz Ant1



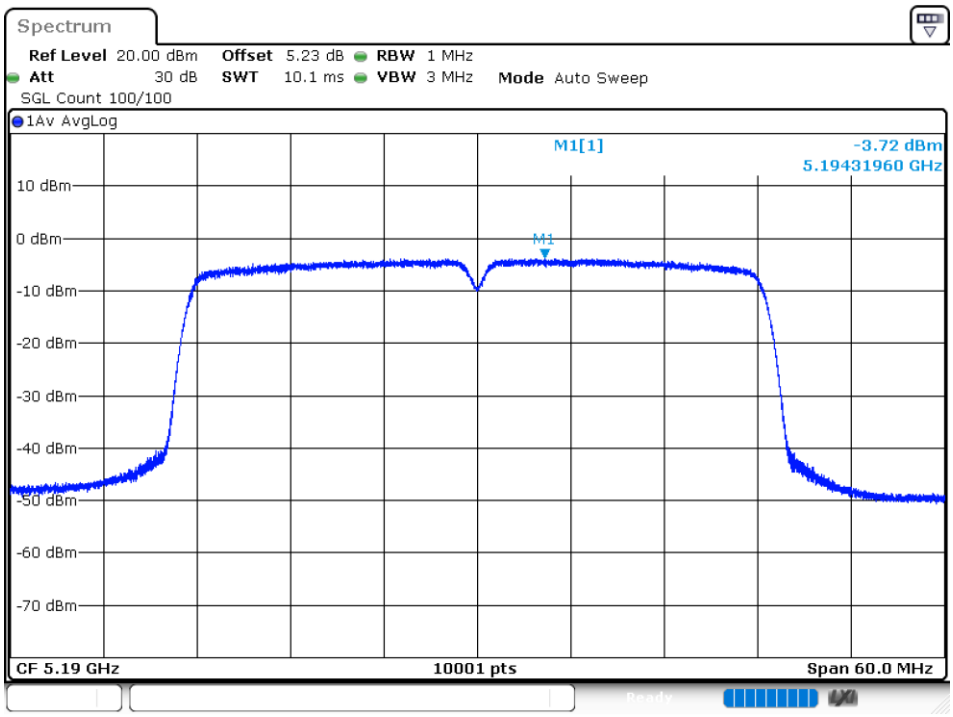
PSD NVNT ac20 5240MHz Ant2



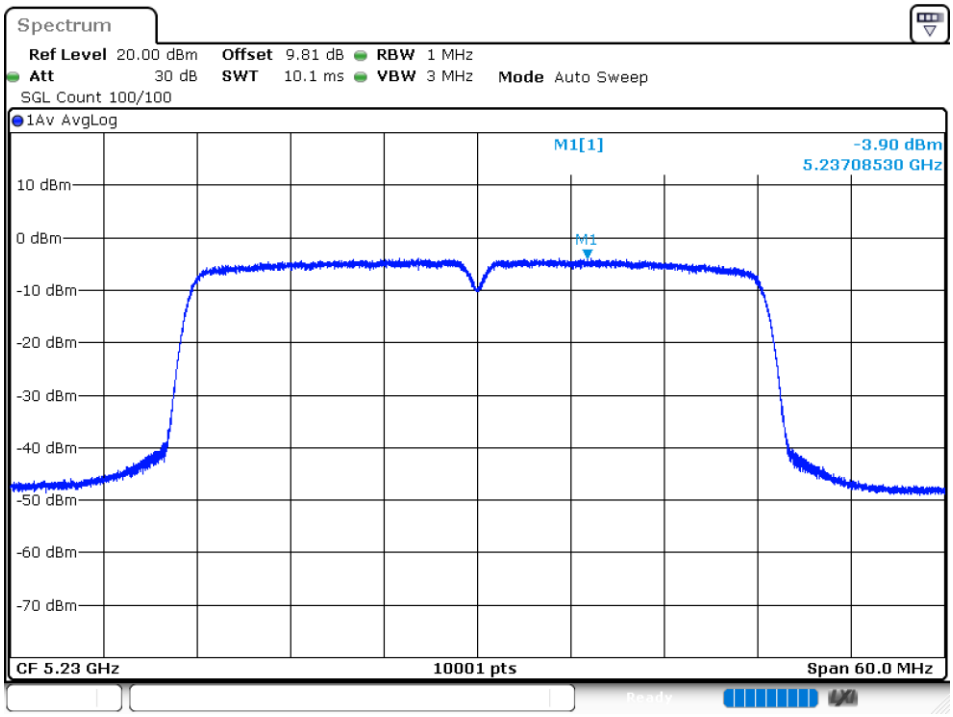
PSD NVNT ac40 5190MHz Ant1



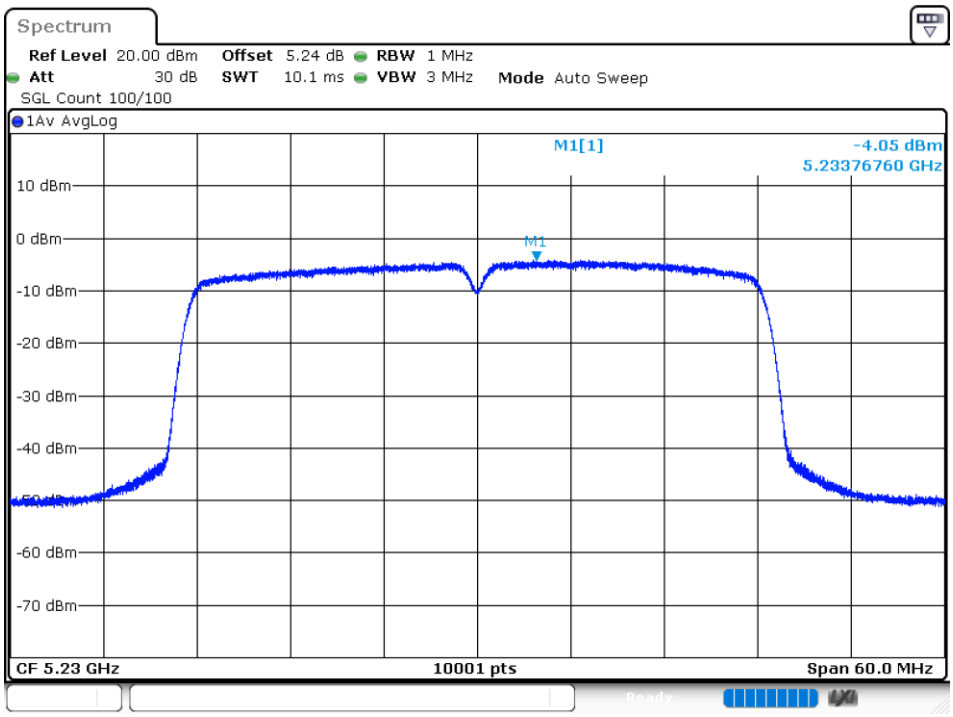
PSD NVNT ac40 5190MHz Ant2



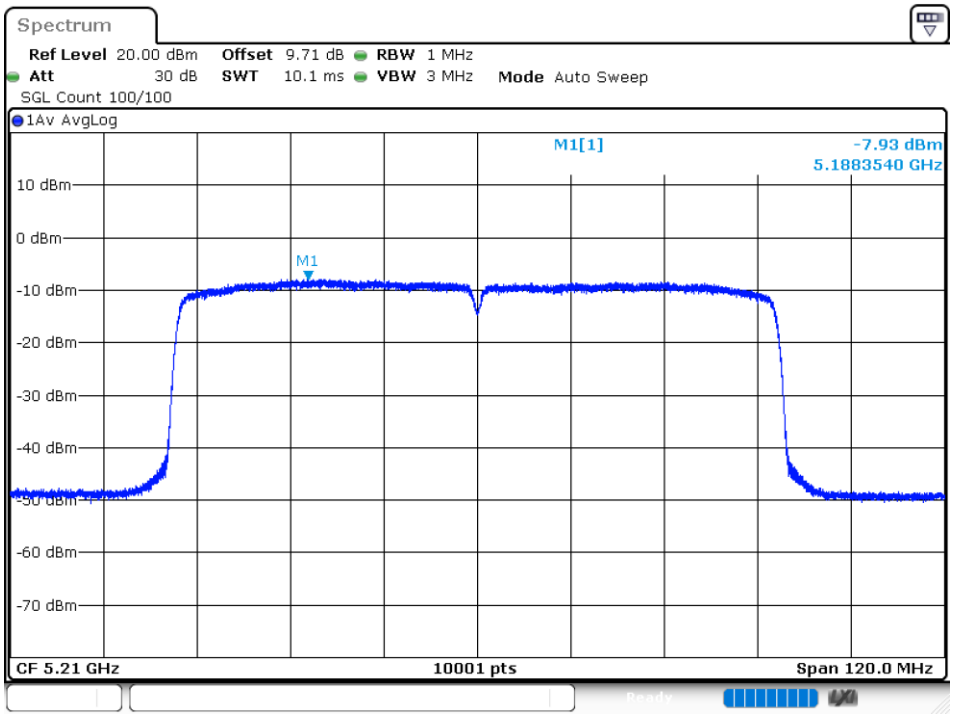
PSD NVNT ac40 5230MHz Ant1



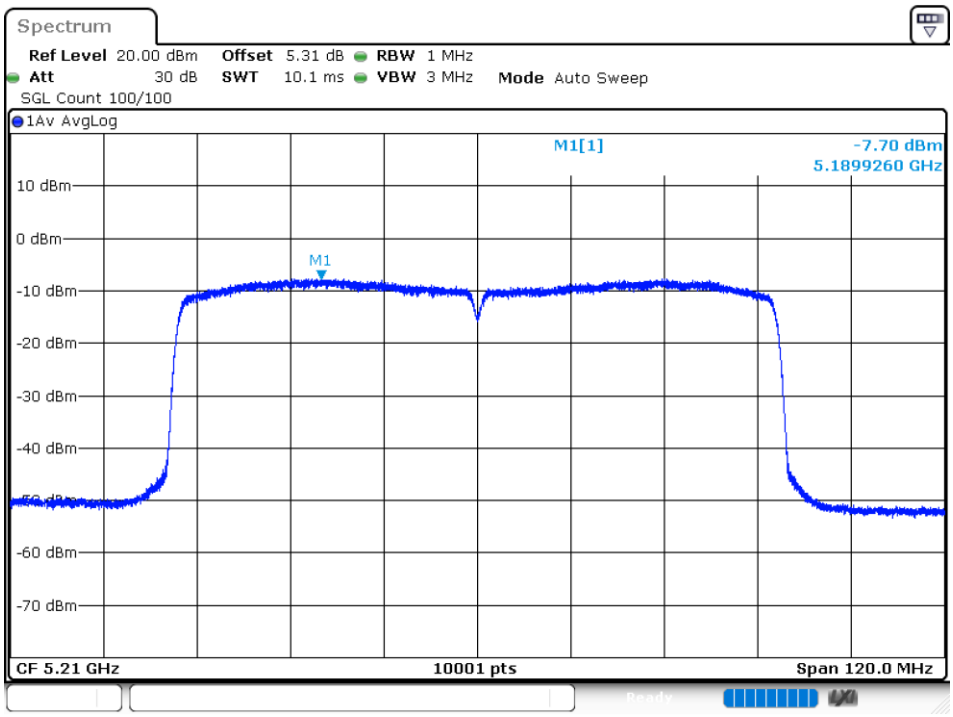
PSD NVNT ac40 5230MHz Ant2



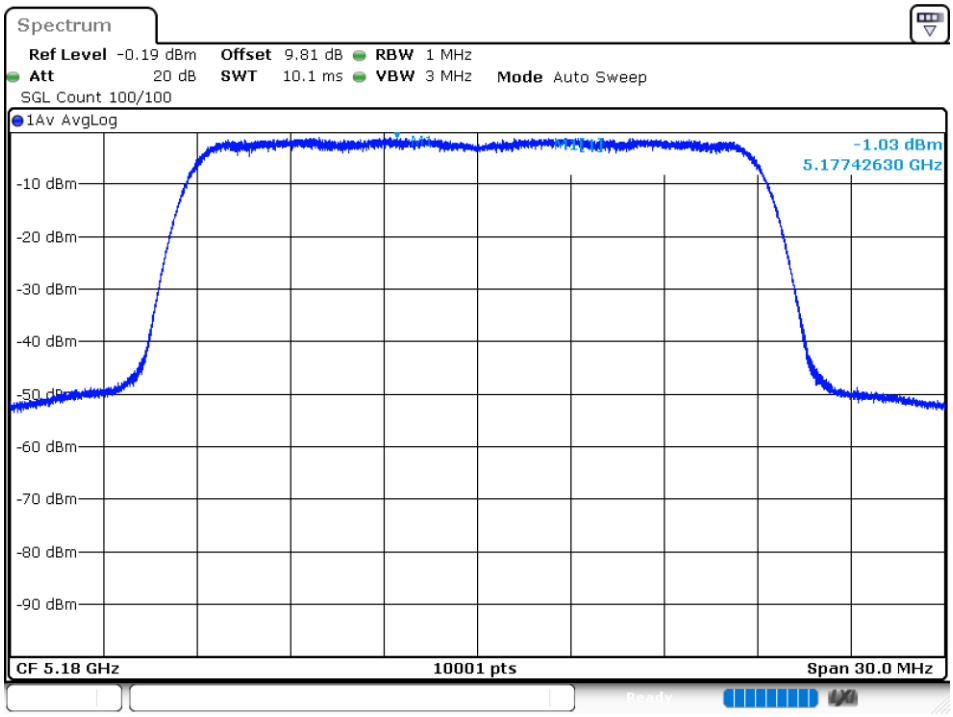
PSD NVNT ac80 5210MHz Ant1



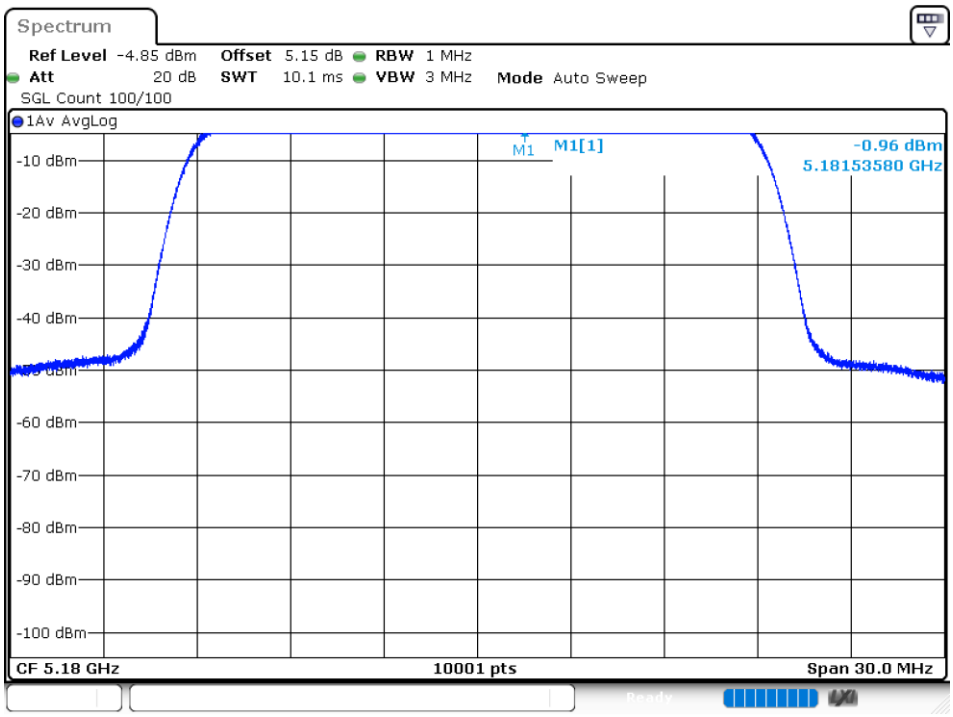
PSD NVNT ac80 5210MHz Ant2



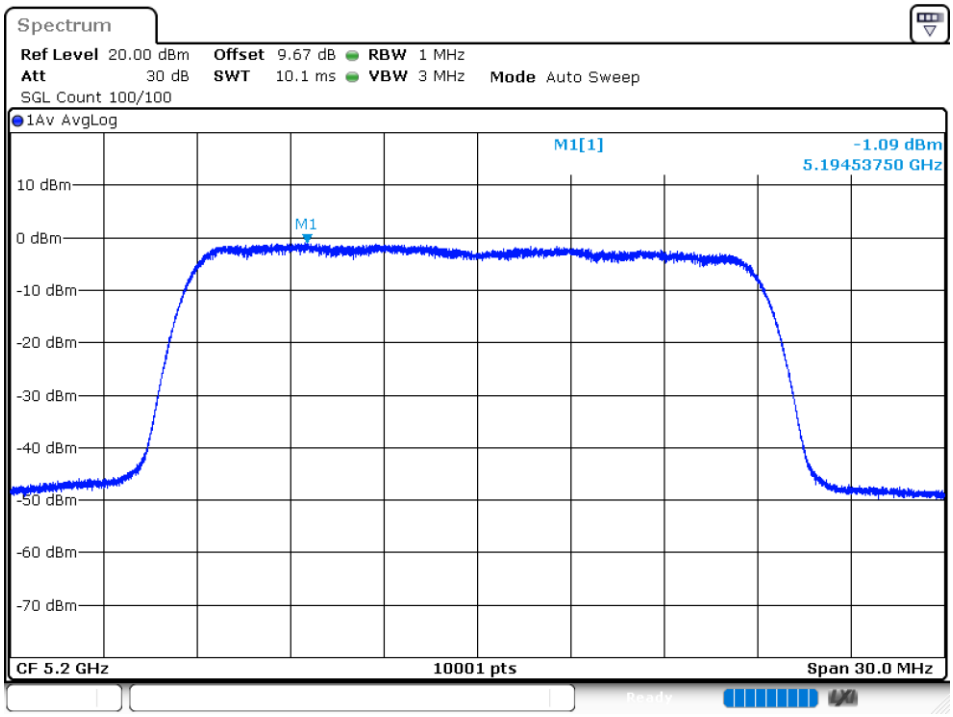
PSD NVNT n20 5180MHz Ant1



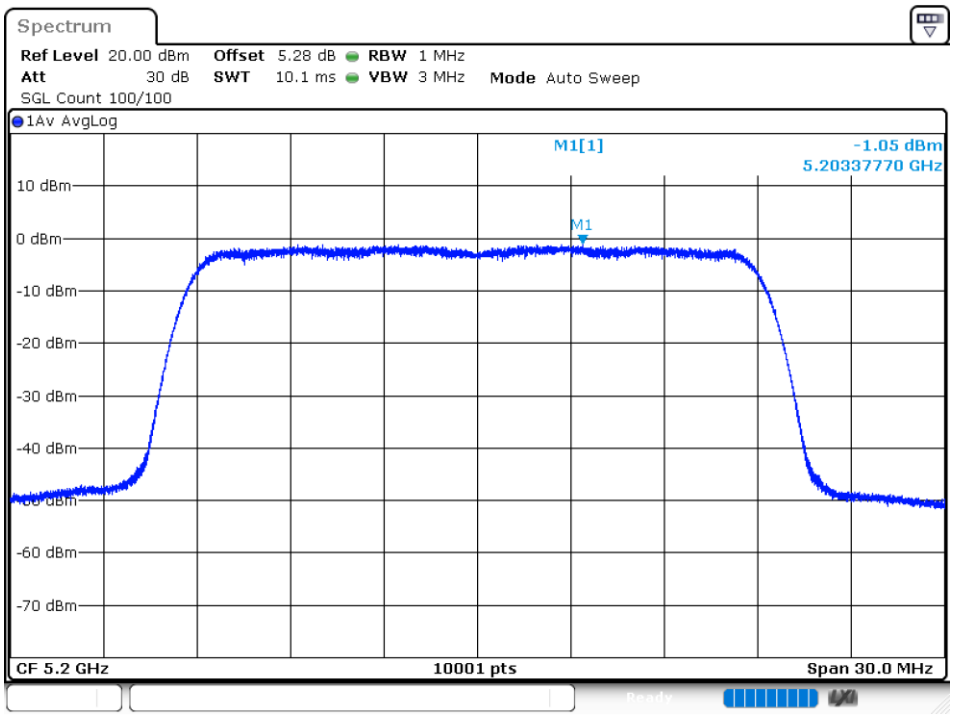
PSD NVNT n20 5180MHz Ant2



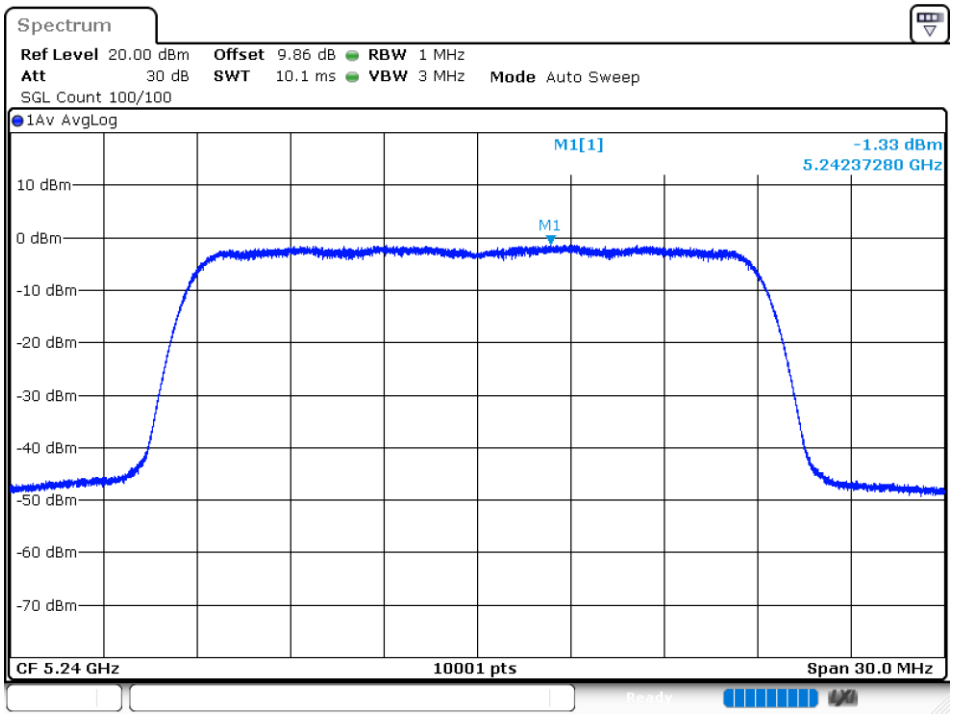
PSD NVNT n20 5200MHz Ant1



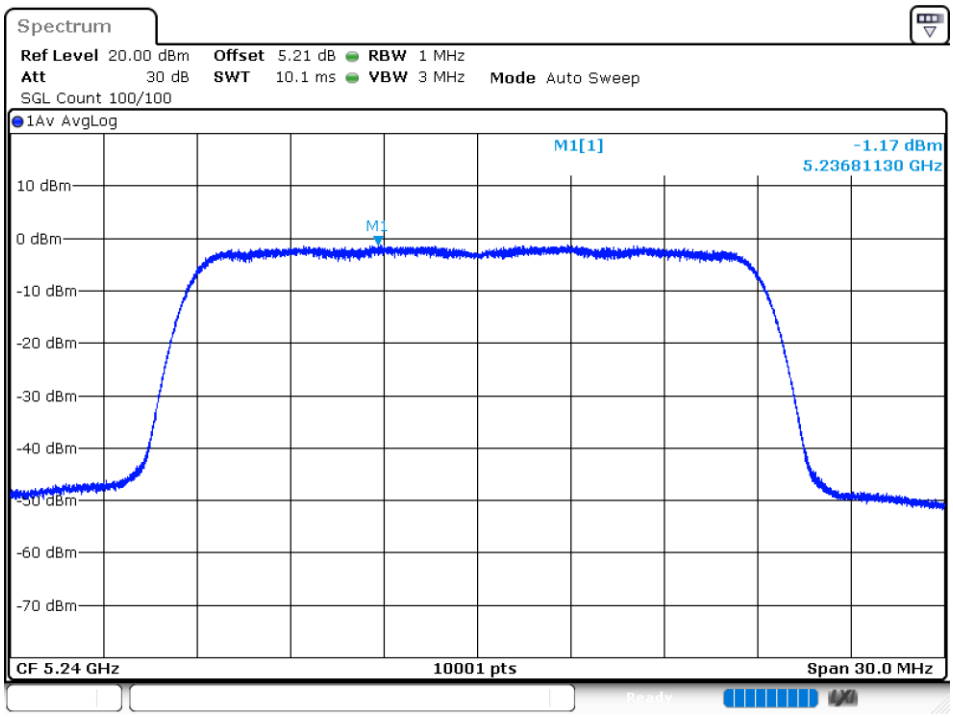
PSD NVNT n20 5200MHz Ant2



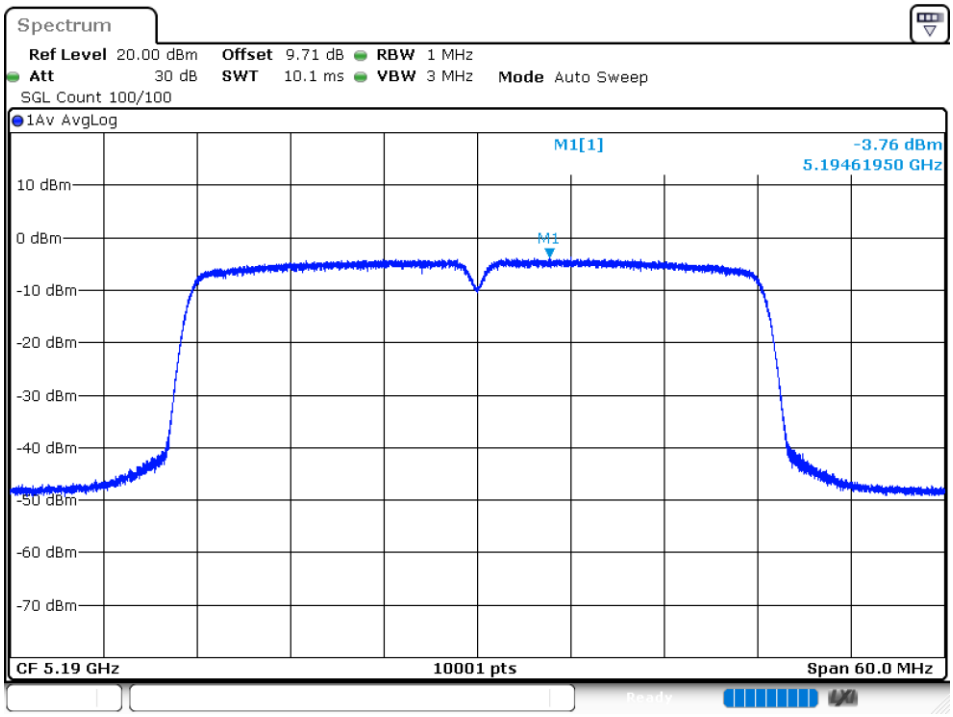
PSD NVNT n20 5240MHz Ant1



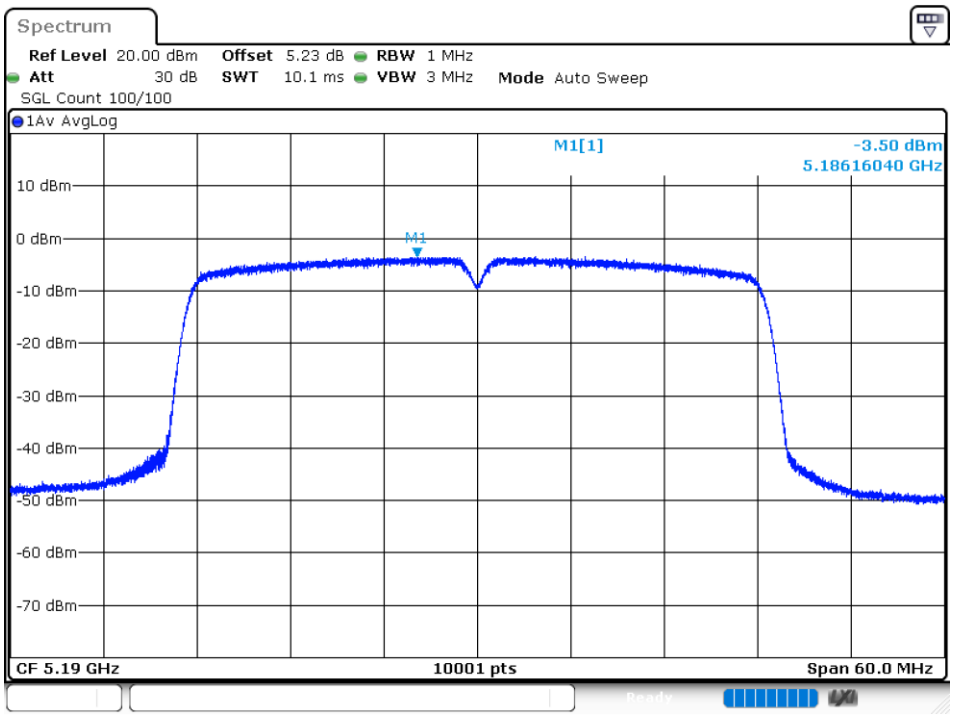
PSD NVNT n20 5240MHz Ant2



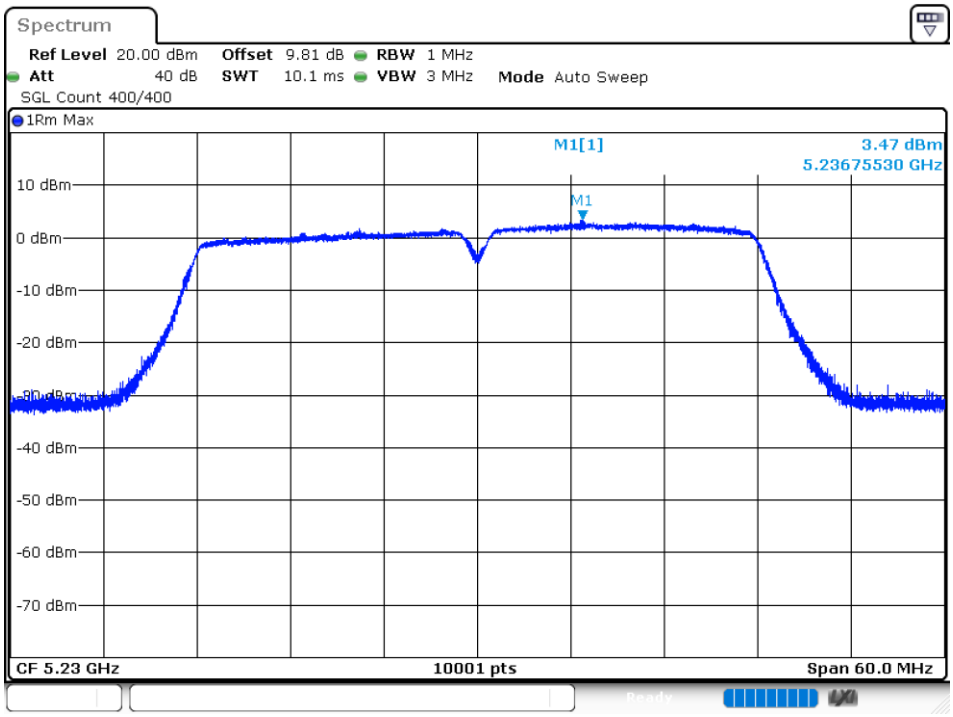
PSD NVNT n40 5190MHz Ant1



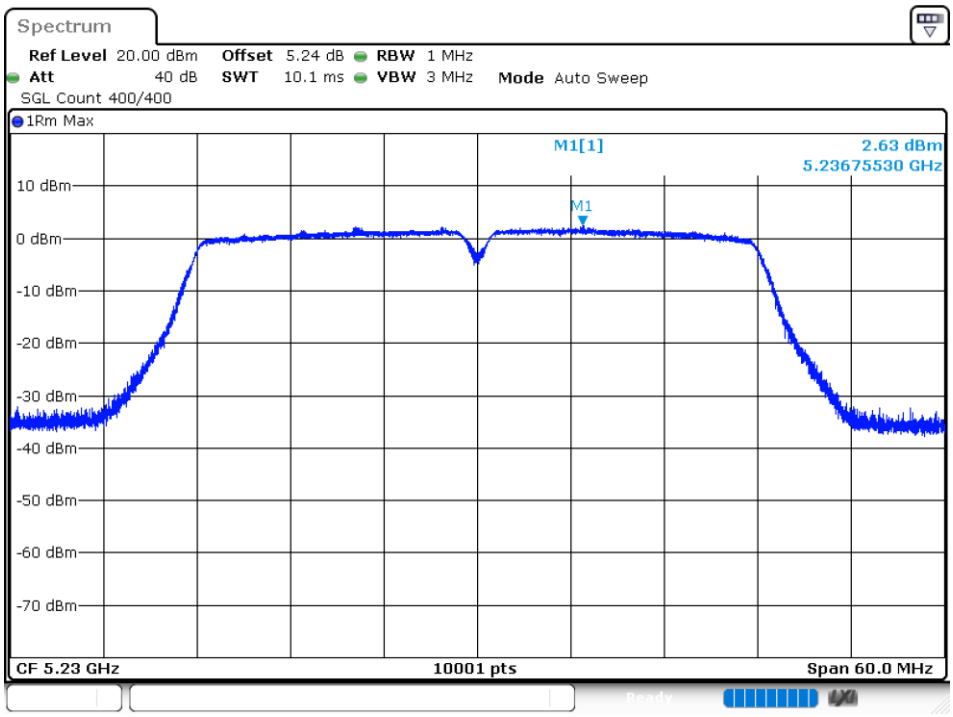
PSD NVNT n40 5190MHz Ant2



PSD NVNT n40 5230MHz Ant1



PSD NVNT n40 5230MHz Ant2

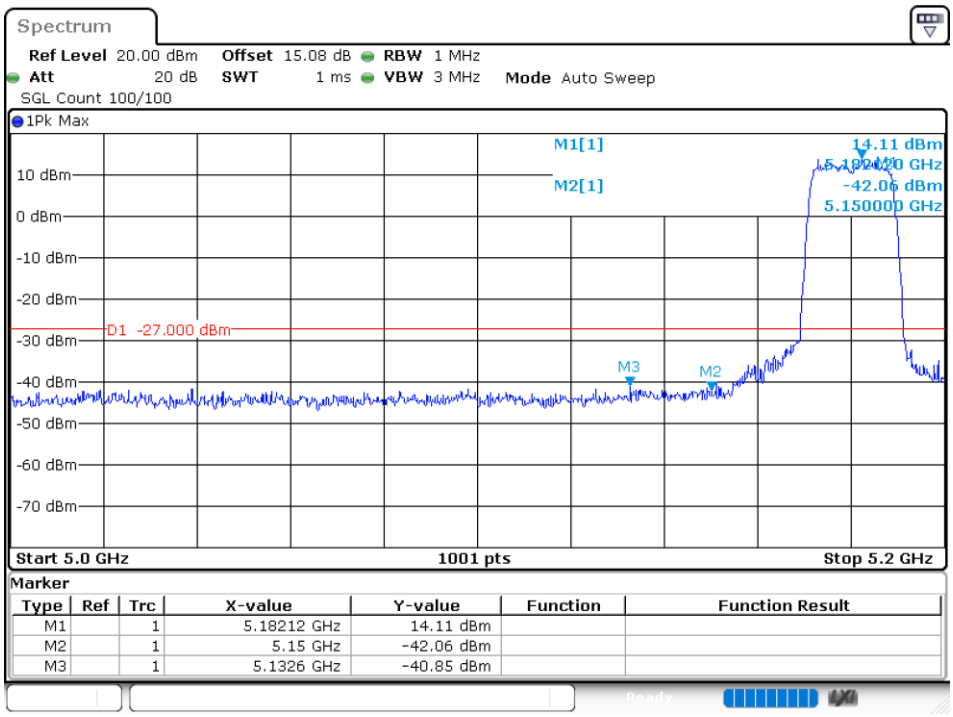


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-40.84	-27	Pass
NVNT	ac20	5180	Ant2	-40.14	-27	Pass
NVNT	ac20	5240	Ant1	-39.22	-27	Pass
NVNT	ac20	5240	Ant2	-44.28	-27	Pass
NVNT	ac40	5190	Ant1	-36.18	-27	Pass
NVNT	ac40	5190	Ant2	-33.94	-27	Pass
NVNT	ac40	5230	Ant1	-40.38	-27	Pass
NVNT	ac40	5230	Ant2	-44.42	-27	Pass
NVNT	ac80	5210	Ant1	-43.87	-27	Pass
NVNT	ac80	5210	Ant2	-47.3	-27	Pass
NVNT	n20	5180	Ant1	-41.27	-27	Pass
NVNT	n20	5180	Ant2	-41.32	-27	Pass
NVNT	n20	5240	Ant1	-39.56	-27	Pass
NVNT	n20	5240	Ant2	-43.96	-27	Pass
NVNT	n40	5190	Ant1	-37.68	-27	Pass
NVNT	n40	5190	Ant2	-35.37	-27	Pass
NVNT	n40	5230	Ant1	-40.34	-27	Pass
NVNT	n40	5230	Ant2	-44.25	-27	Pass

Test Graphs

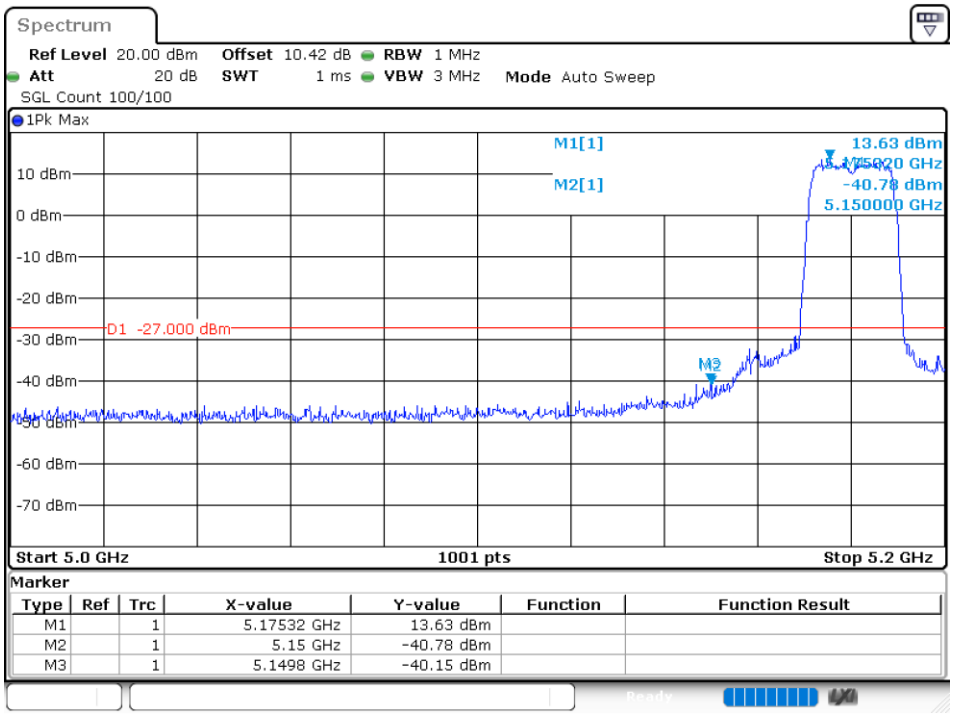
Band Edge NVNT ac20 5180MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18212 GHz	14.11 dBm		
M2		1	5.15 GHz	-42.06 dBm		
M3		1	5.1326 GHz	-40.85 dBm		

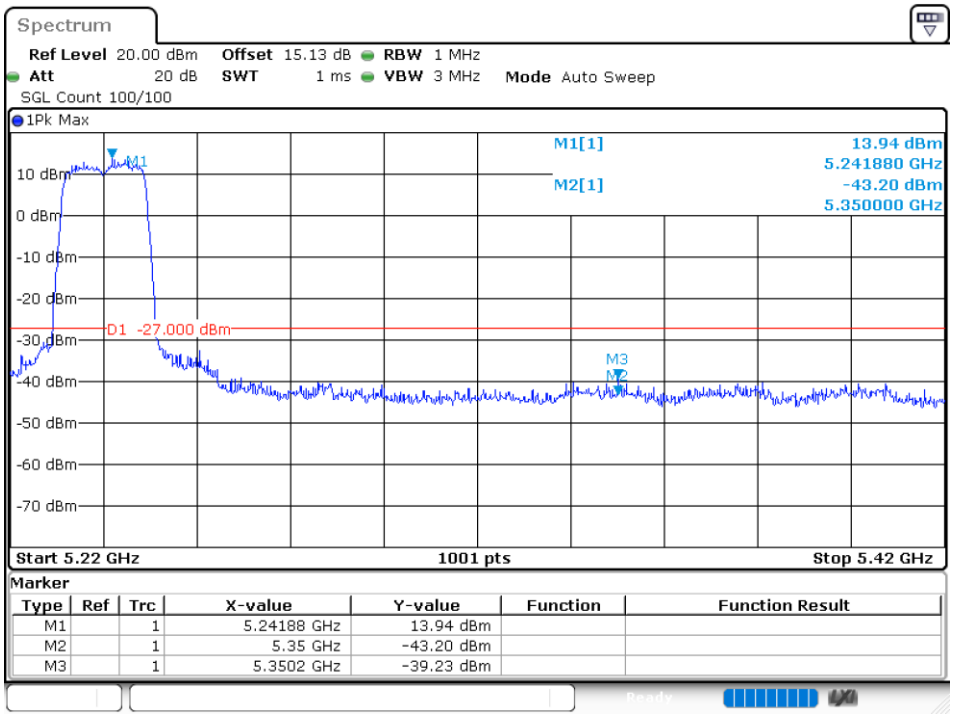
Band Edge NVNT ac20 5180MHz Low Ant2



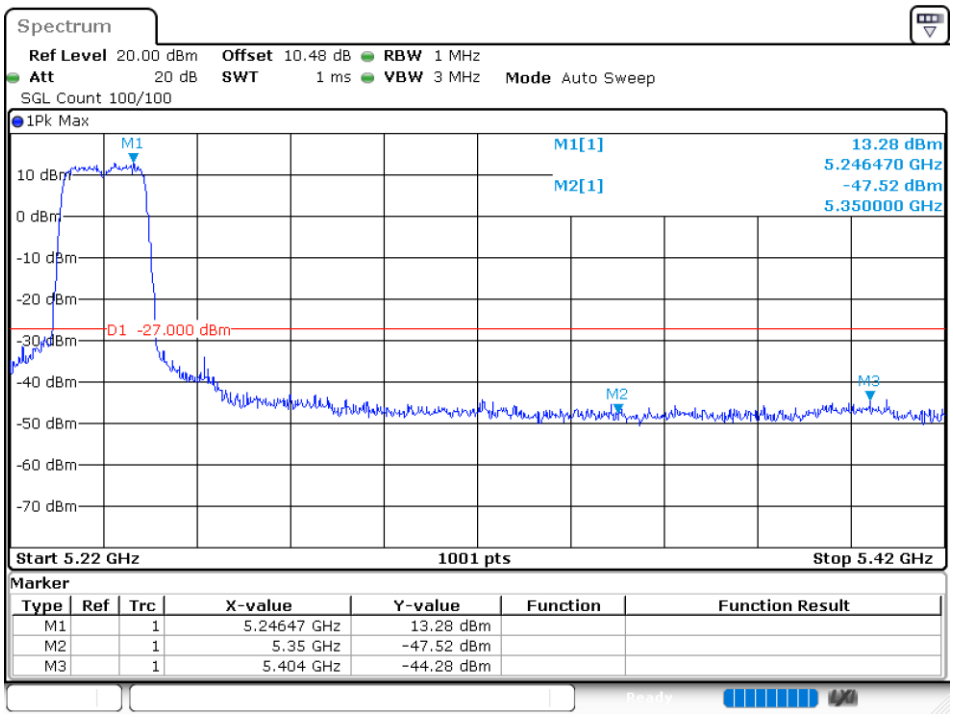
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17532 GHz	13.63 dBm		
M2		1	5.15 GHz	-40.78 dBm		
M3		1	5.1498 GHz	-40.15 dBm		

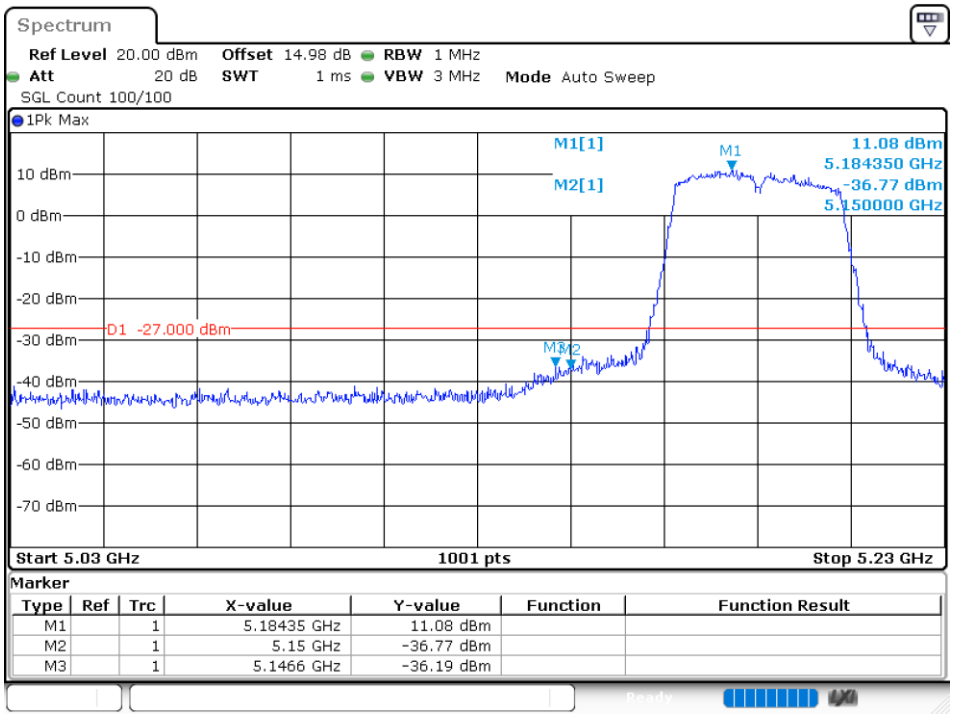
Band Edge NVNT ac20 5240MHz High Ant1



Band Edge NVNT ac20 5240MHz High Ant2



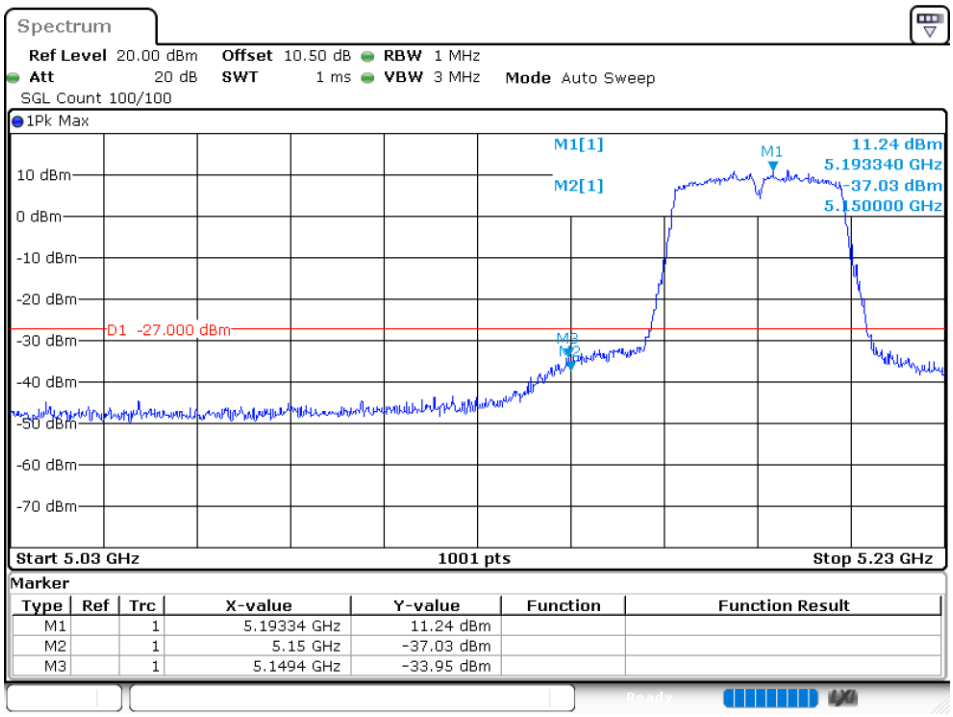
Band Edge NVNT ac40 5190MHz Low Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18435 GHz	11.08 dBm		
M2		1	5.15 GHz	-36.77 dBm		
M3		1	5.1466 GHz	-36.19 dBm		

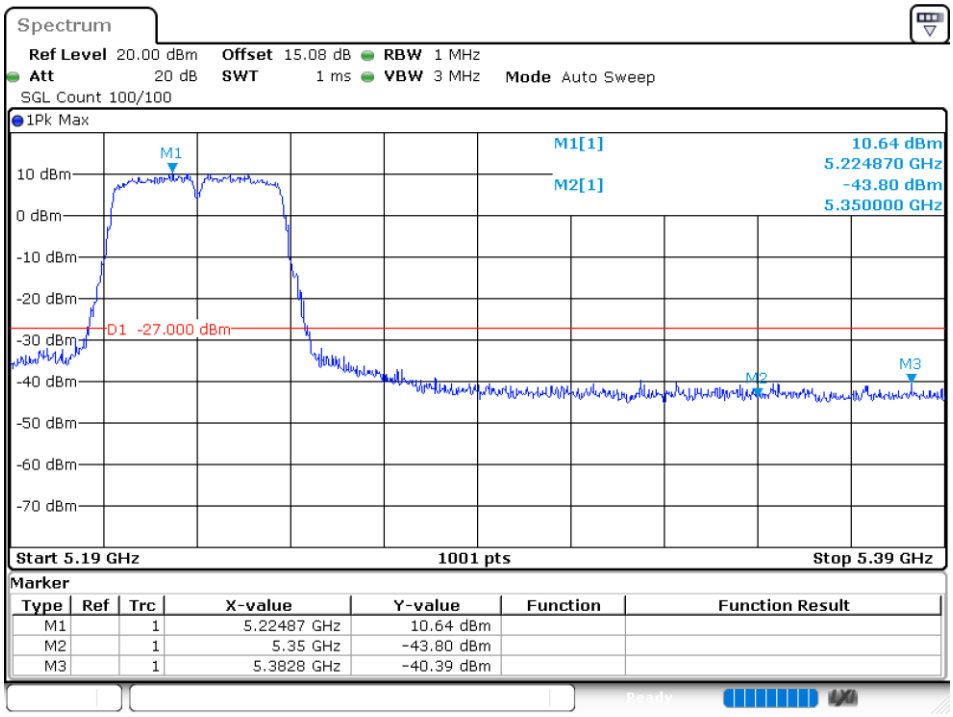
Band Edge NVNT ac40 5190MHz Low Ant2



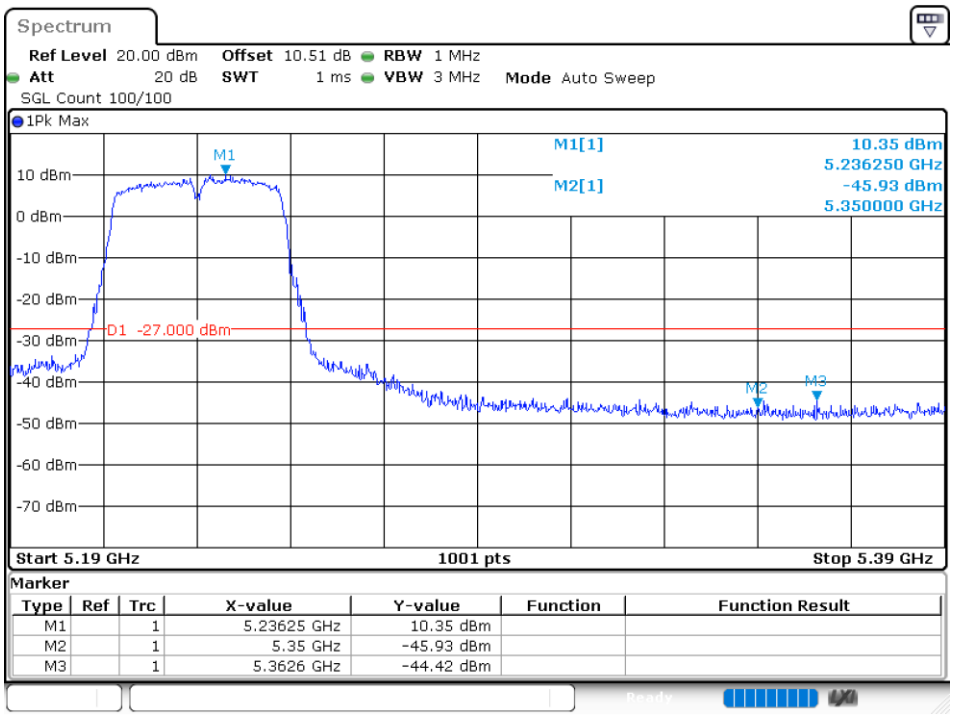
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.19334 GHz	11.24 dBm		
M2		1	5.15 GHz	-37.03 dBm		
M3		1	5.1494 GHz	-33.95 dBm		

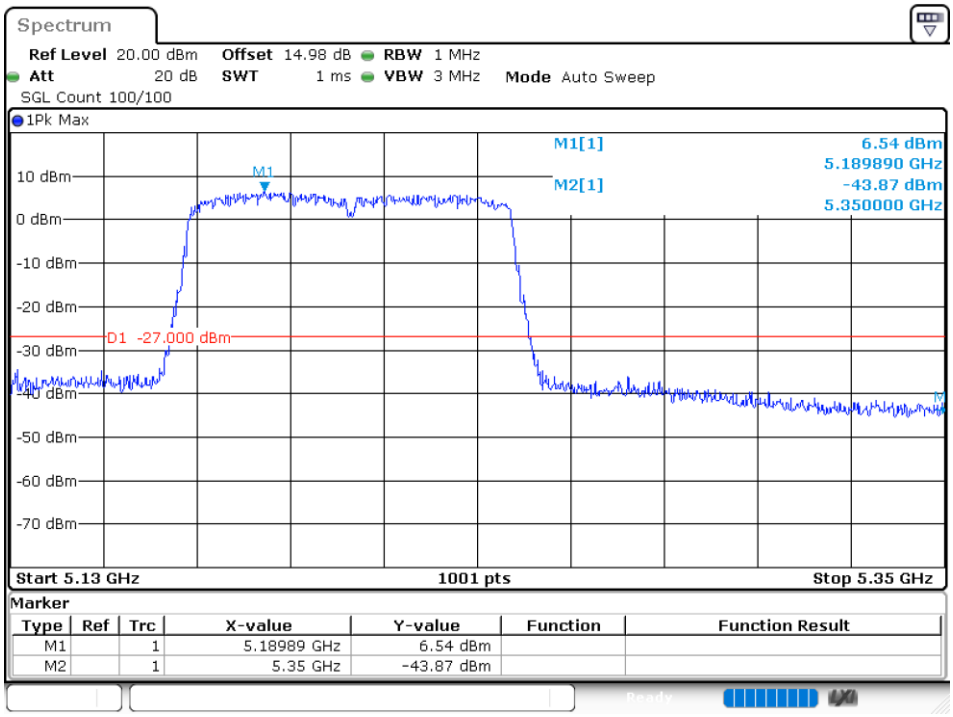
Band Edge NVNT ac40 5230MHz High Ant1



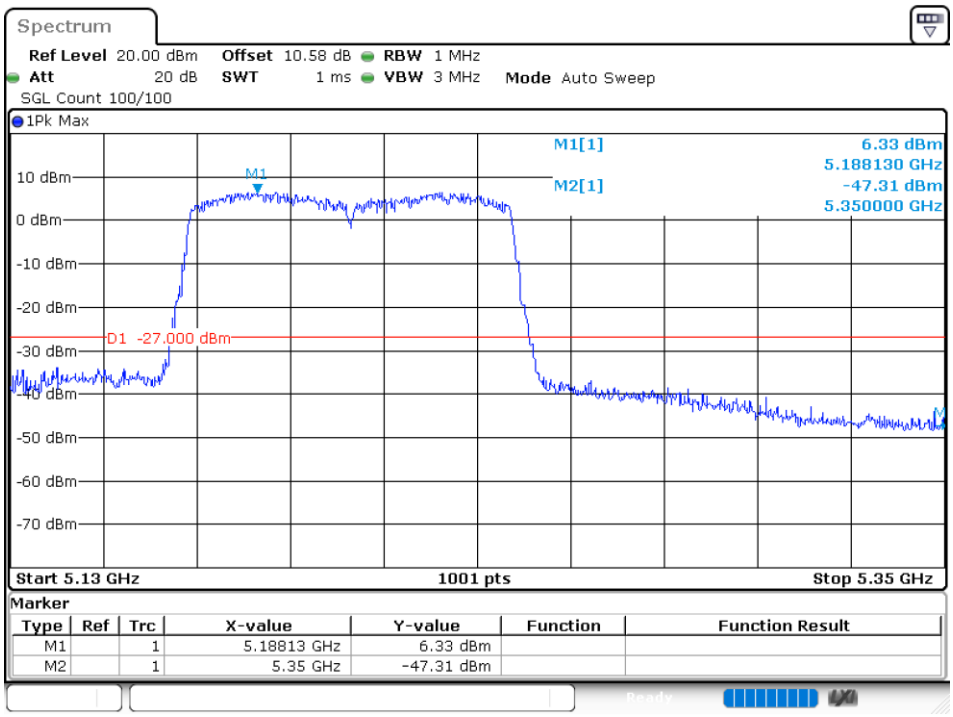
Band Edge NVNT ac40 5230MHz High Ant2



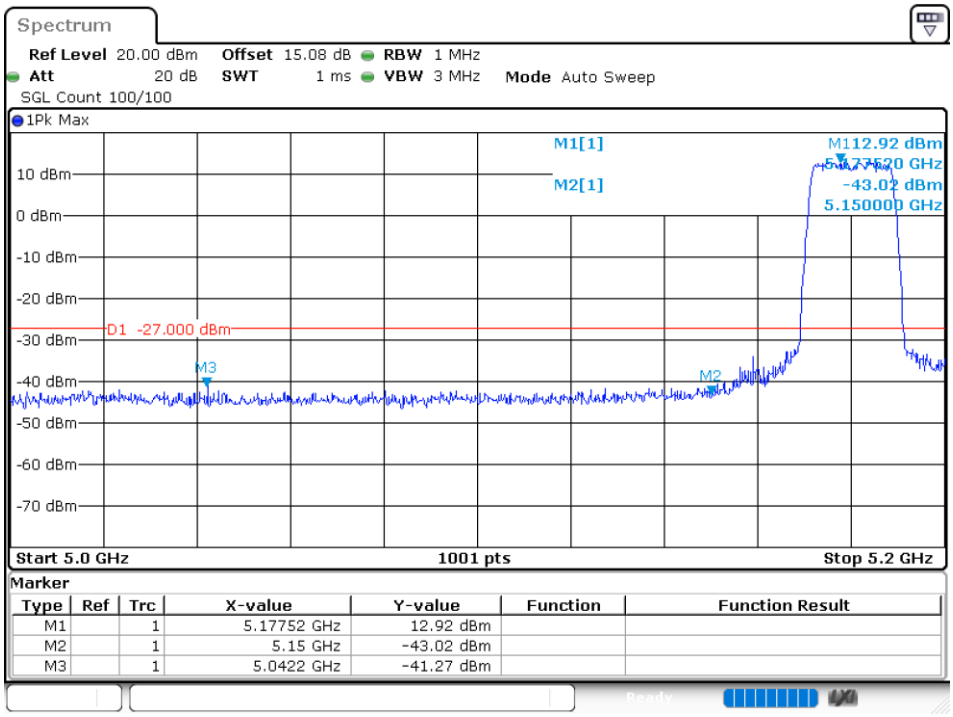
Band Edge NVNT ac80 5210MHz High Ant1



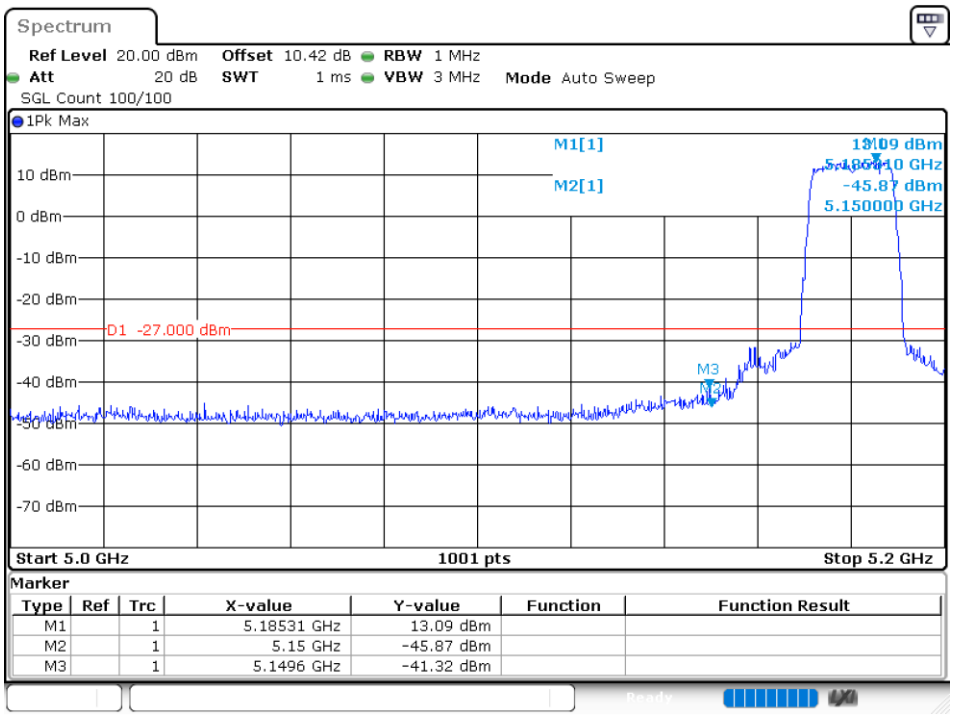
Band Edge NVNT ac80 5210MHz High Ant2



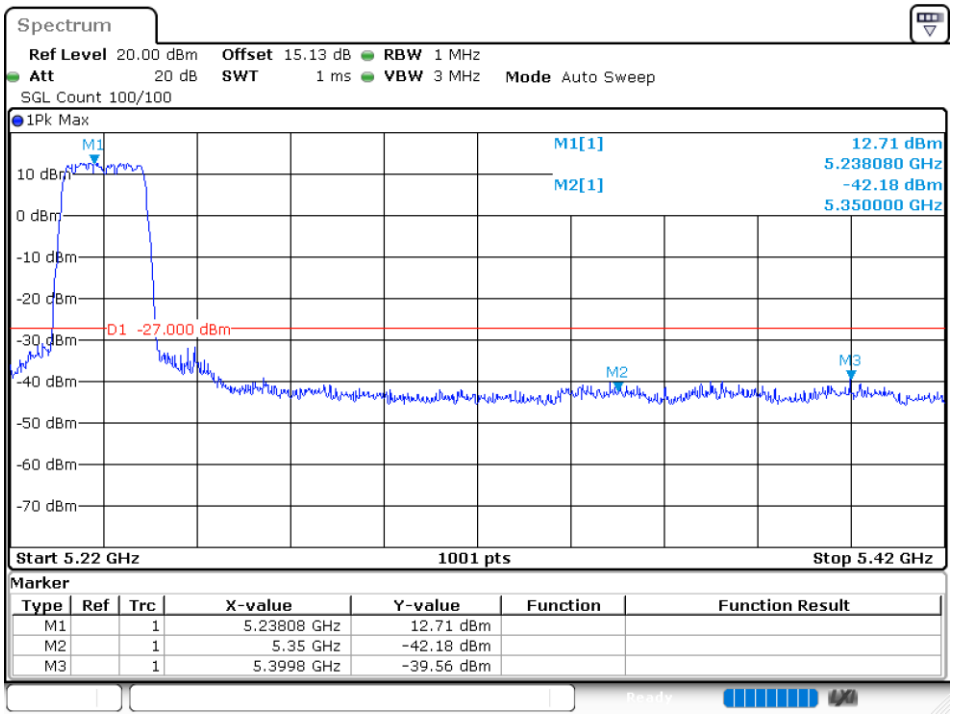
Band Edge NVNT n20 5180MHz Low Ant1



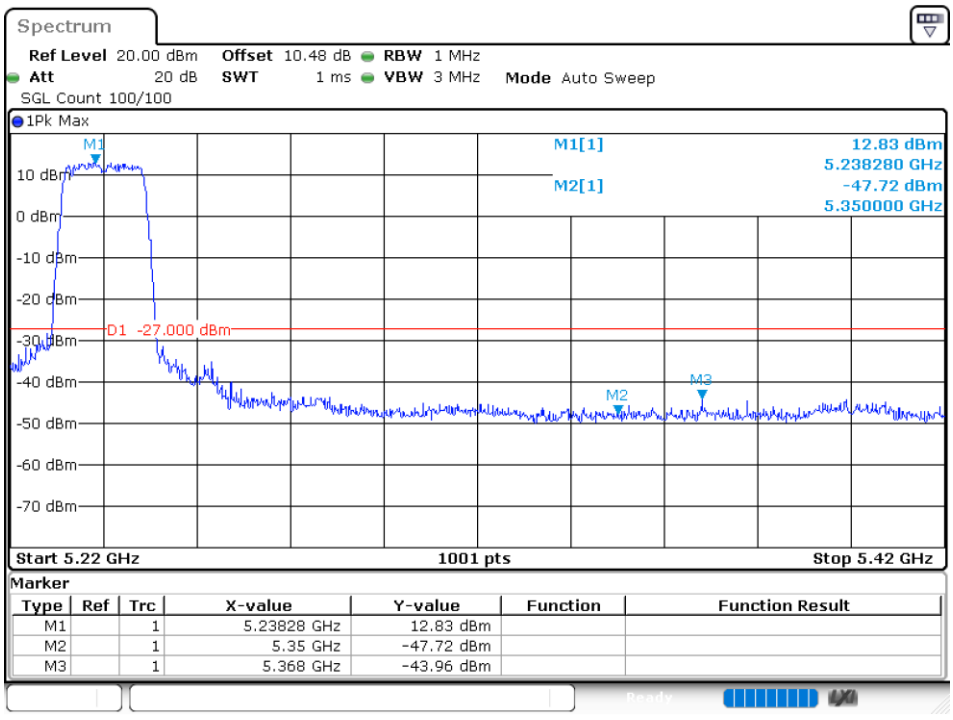
Band Edge NVNT n20 5180MHz Low Ant2



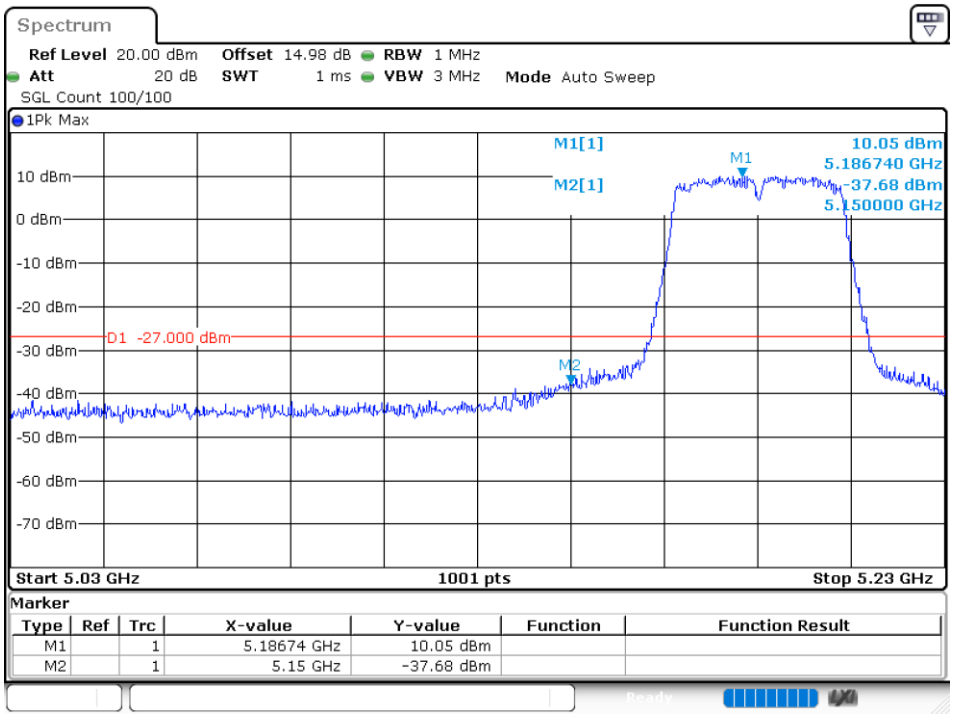
Band Edge NVNT n20 5240MHz High Ant1



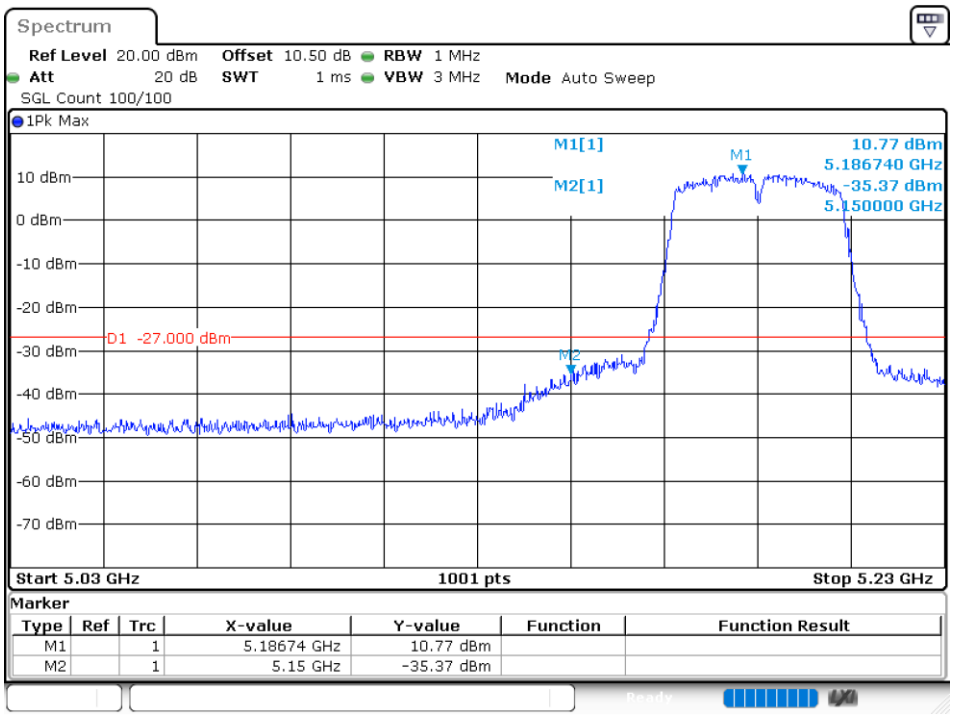
Band Edge NVNT n20 5240MHz High Ant2



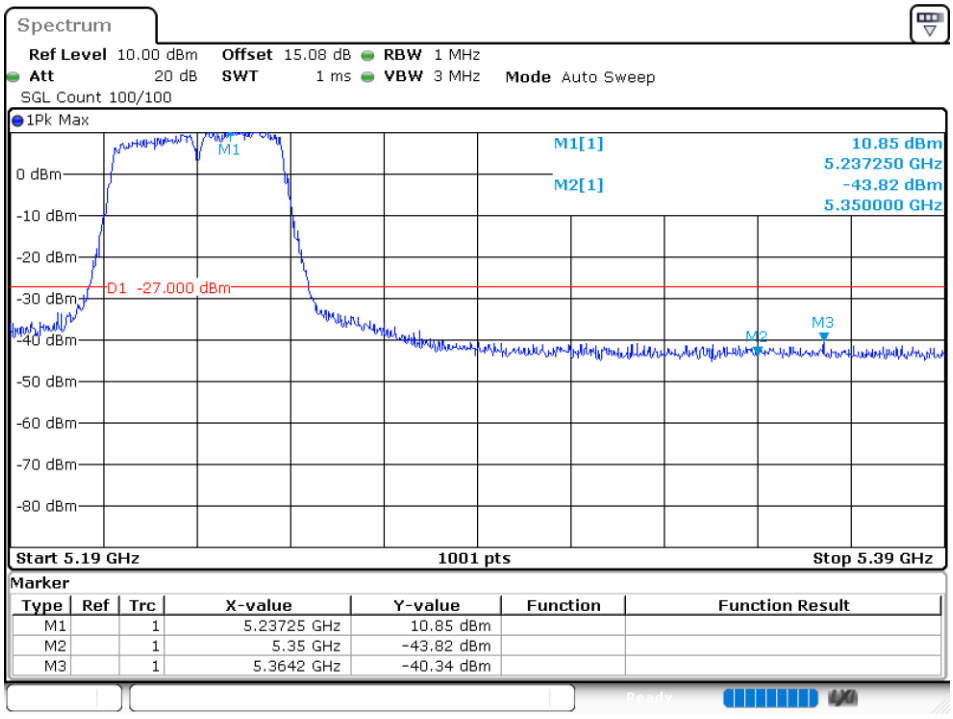
Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5190MHz Low Ant2



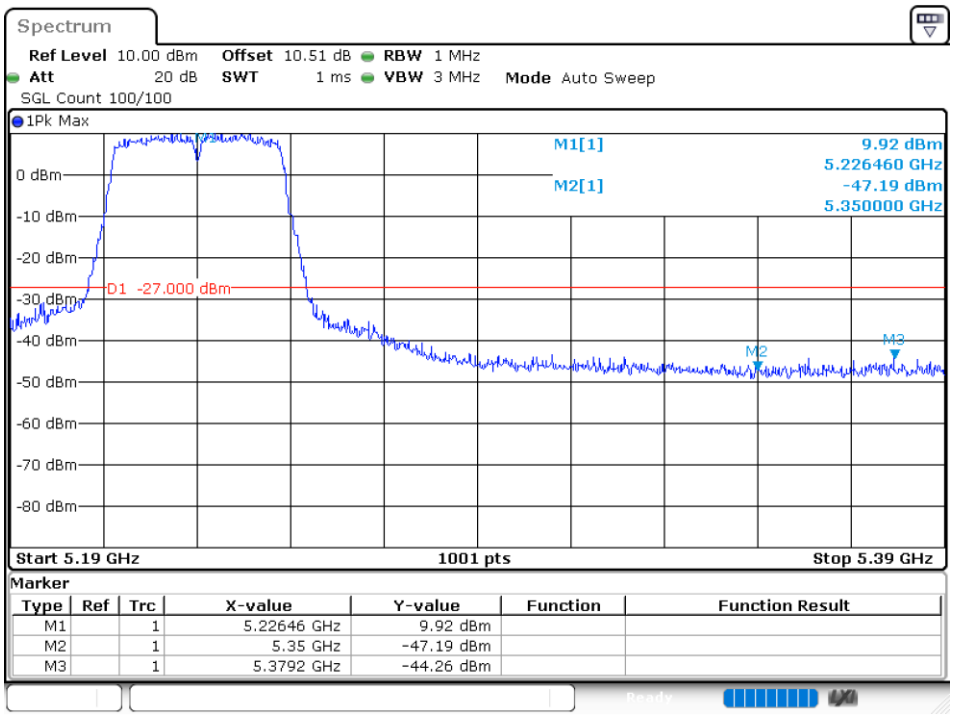
Band Edge NVNT n40 5230MHz High Ant1



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23725 GHz	10.85 dBm		
M2		1	5.35 GHz	-43.82 dBm		
M3		1	5.3642 GHz	-40.34 dBm		

Band Edge NVNT n40 5230MHz High Ant2



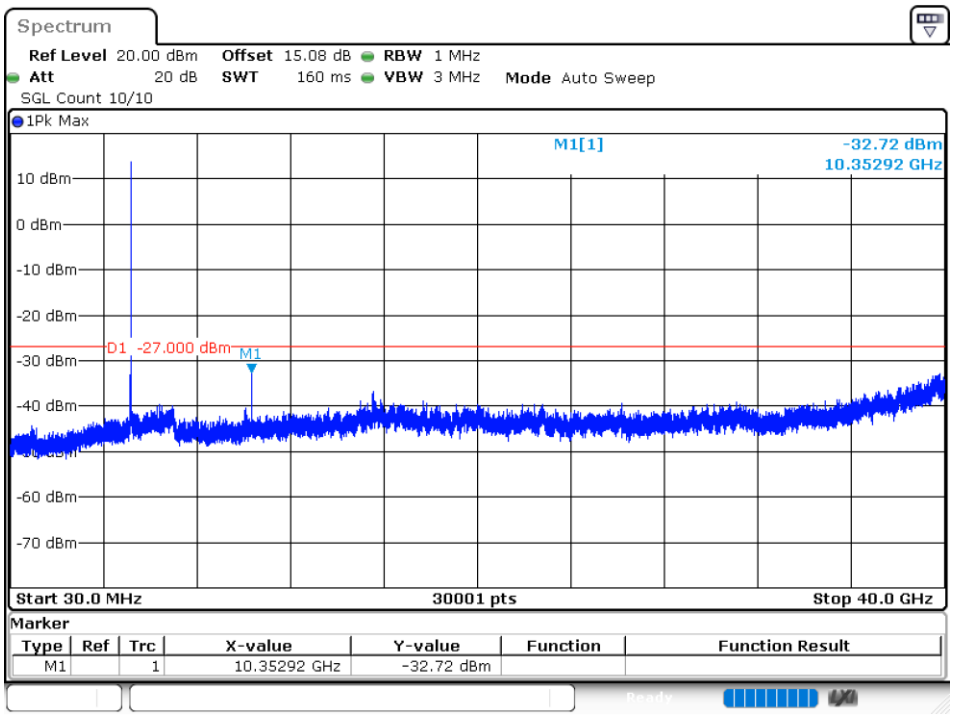
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.22646 GHz	9.92 dBm		
M2		1	5.35 GHz	-47.19 dBm		
M3		1	5.3792 GHz	-44.26 dBm		

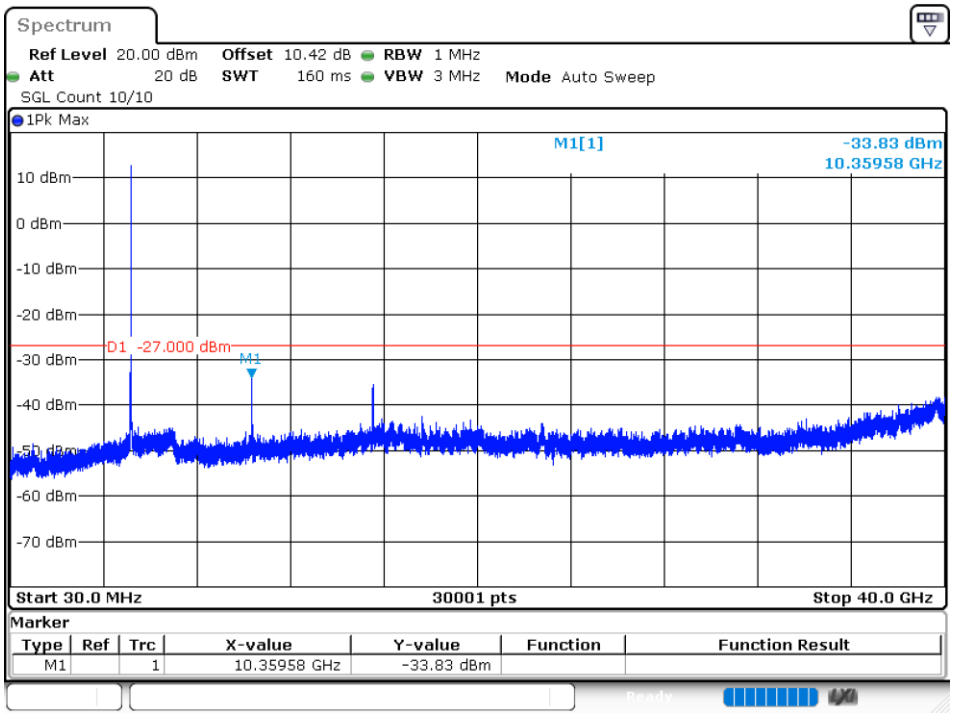
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-32.71	-27	Pass
NVNT	ac20	5180	Ant2	-33.83	-27	Pass
NVNT	ac20	5200	Ant1	-32.55	-27	Pass
NVNT	ac20	5200	Ant2	-33.78	-27	Pass
NVNT	ac20	5240	Ant1	-32.76	-27	Pass
NVNT	ac20	5240	Ant2	-33.73	-27	Pass
NVNT	ac40	5190	Ant1	-33.28	-27	Pass
NVNT	ac40	5190	Ant2	-35.86	-27	Pass
NVNT	ac40	5230	Ant1	-32.17	-27	Pass
NVNT	ac40	5230	Ant2	-36.9	-27	Pass
NVNT	ac80	5210	Ant1	-32.82	-27	Pass
NVNT	ac80	5210	Ant2	-36.53	-27	Pass
NVNT	n20	5180	Ant1	-30.41	-27	Pass
NVNT	n20	5180	Ant2	-31.9	-27	Pass
NVNT	n20	5200	Ant1	-33.04	-27	Pass
NVNT	n20	5200	Ant2	-33.14	-27	Pass
NVNT	n20	5240	Ant1	-32.6	-27	Pass
NVNT	n20	5240	Ant2	-31.36	-27	Pass
NVNT	n40	5190	Ant1	-32.41	-27	Pass
NVNT	n40	5190	Ant2	-35.23	-27	Pass
NVNT	n40	5230	Ant1	-32.7	-27	Pass
NVNT	n40	5230	Ant2	-37.62	-27	Pass

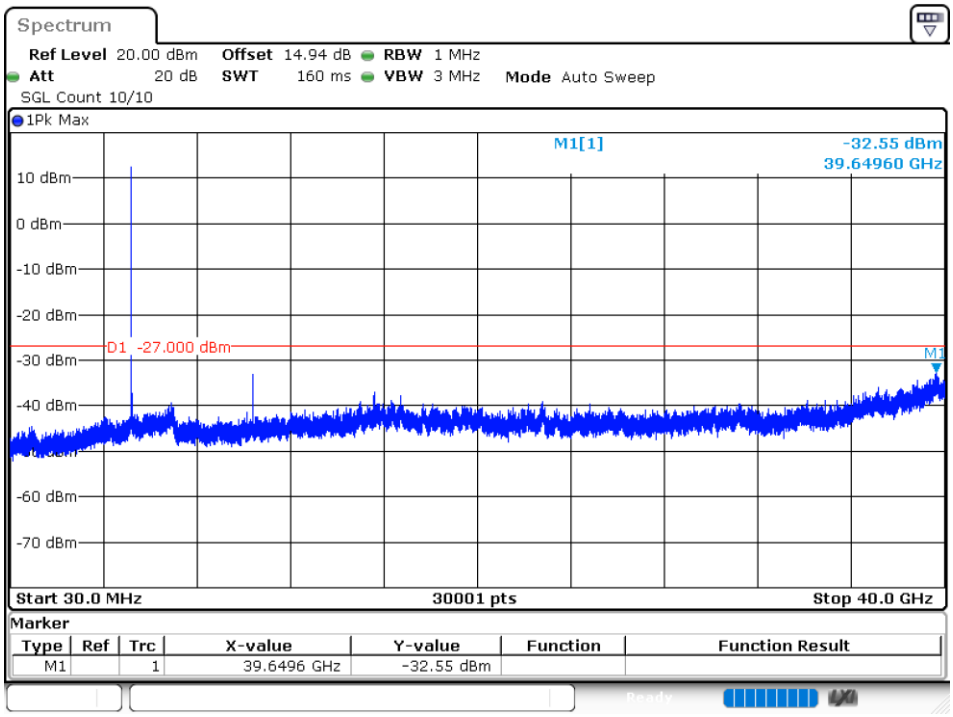
Test Graphs
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



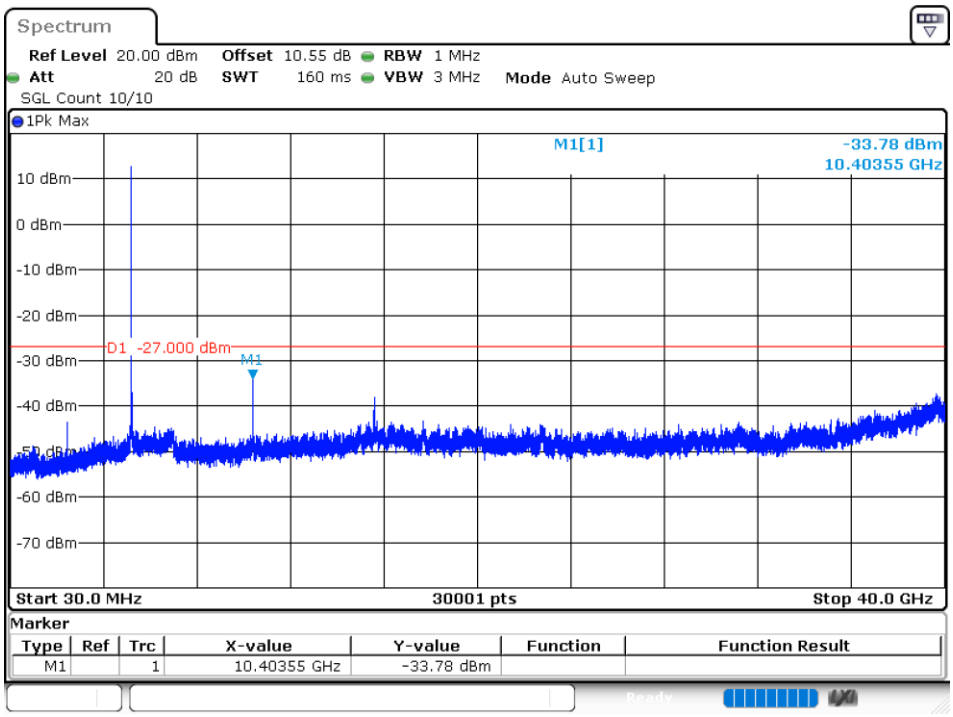
Tx. Spurious NVNT ac20 5180MHz Ant2 Emission



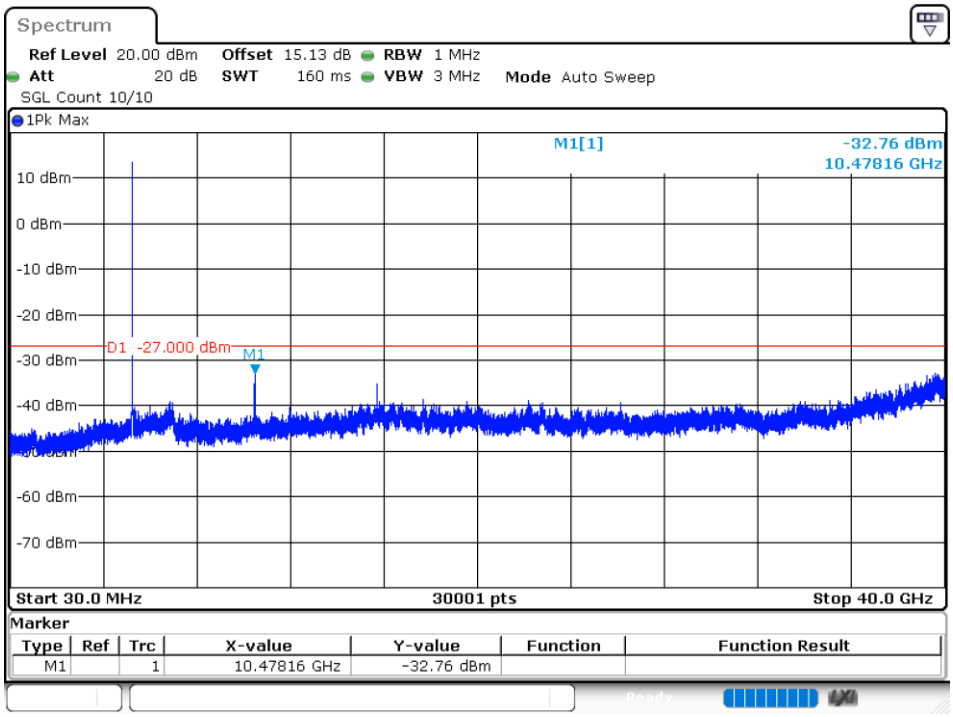
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



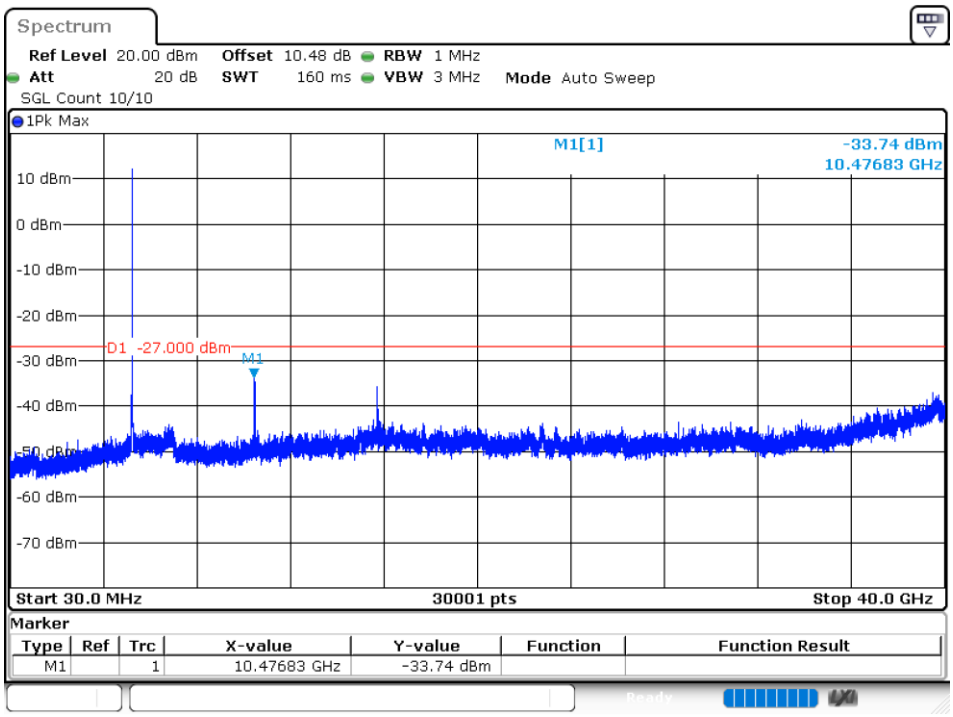
Tx. Spurious NVNT ac20 5200MHz Ant2 Emission



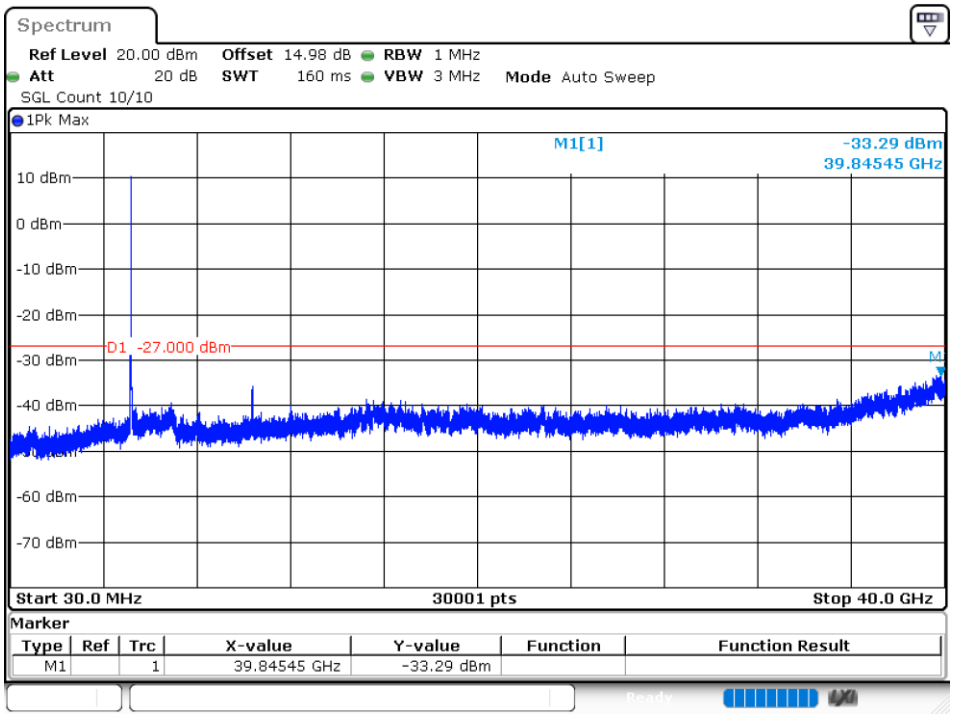
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



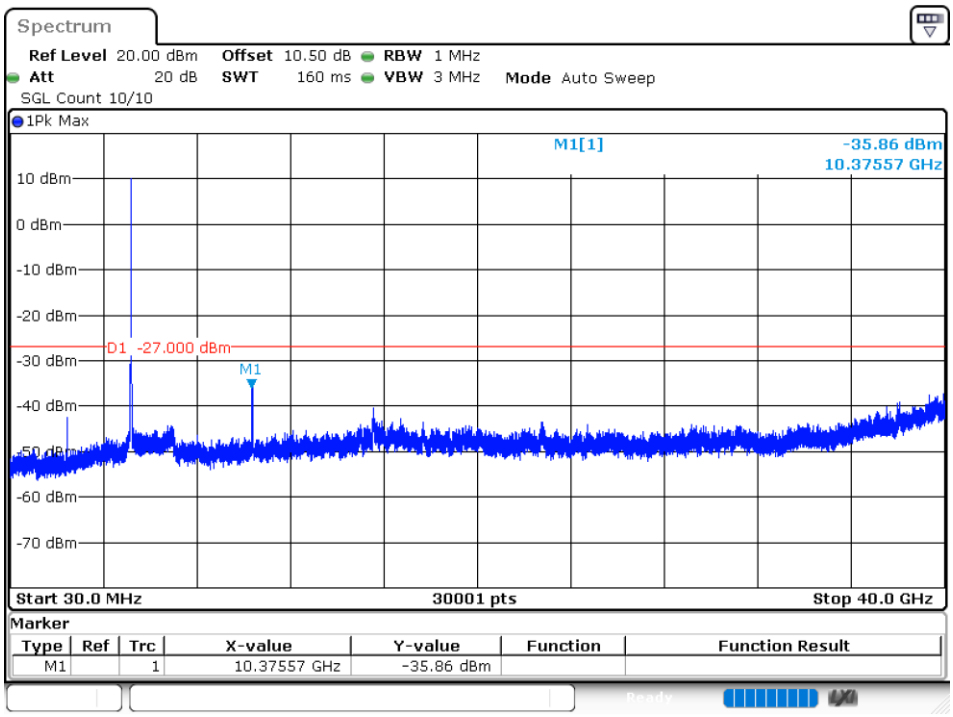
Tx. Spurious NVNT ac20 5240MHz Ant2 Emission



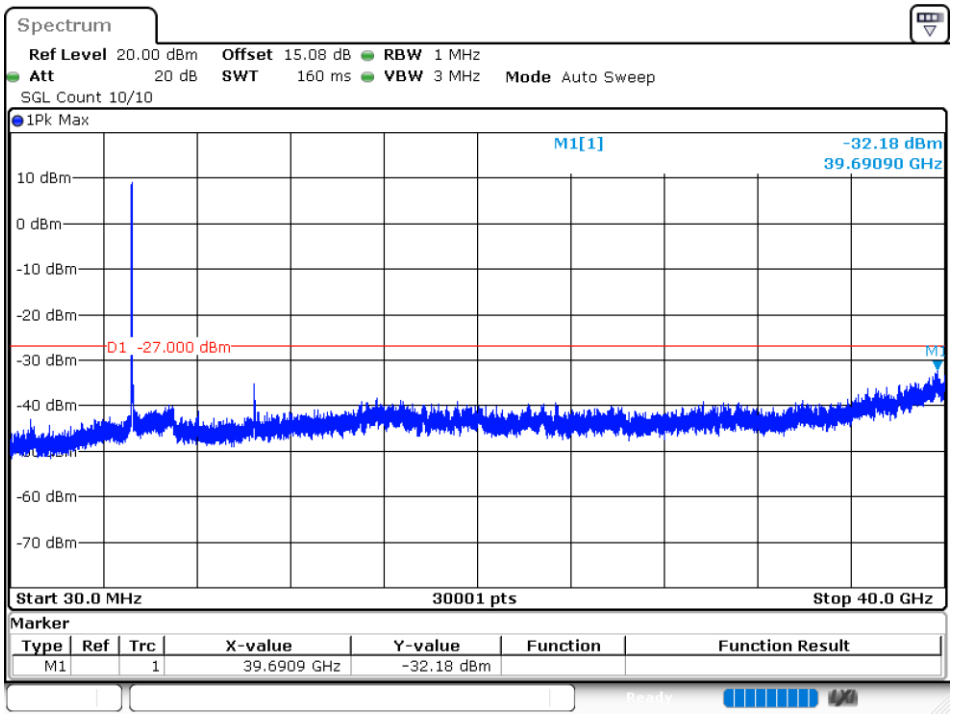
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



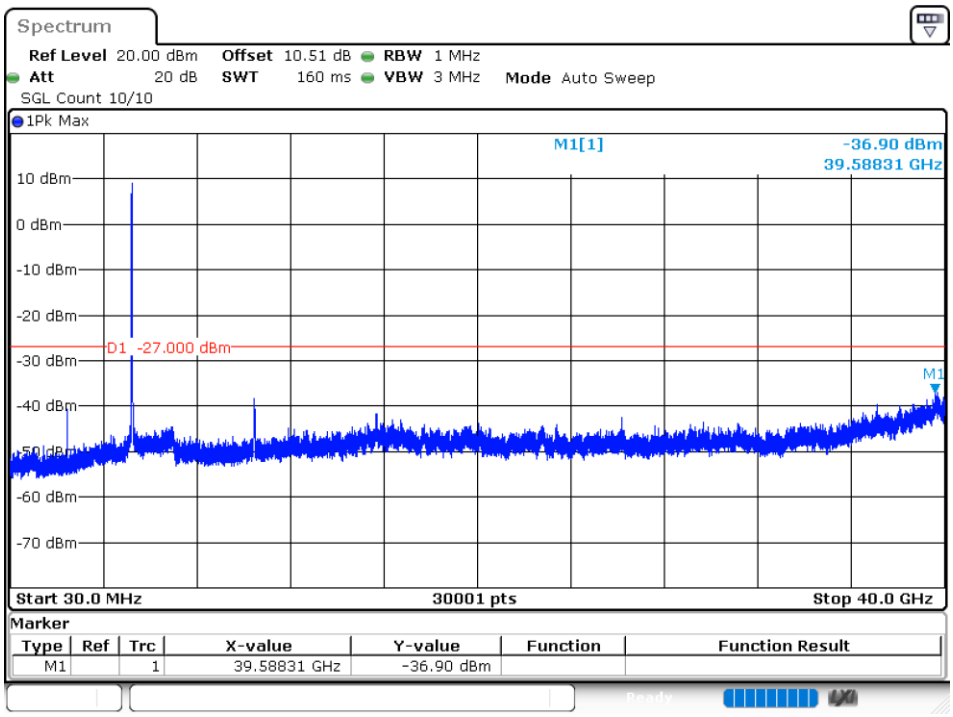
Tx. Spurious NVNT ac40 5190MHz Ant2 Emission



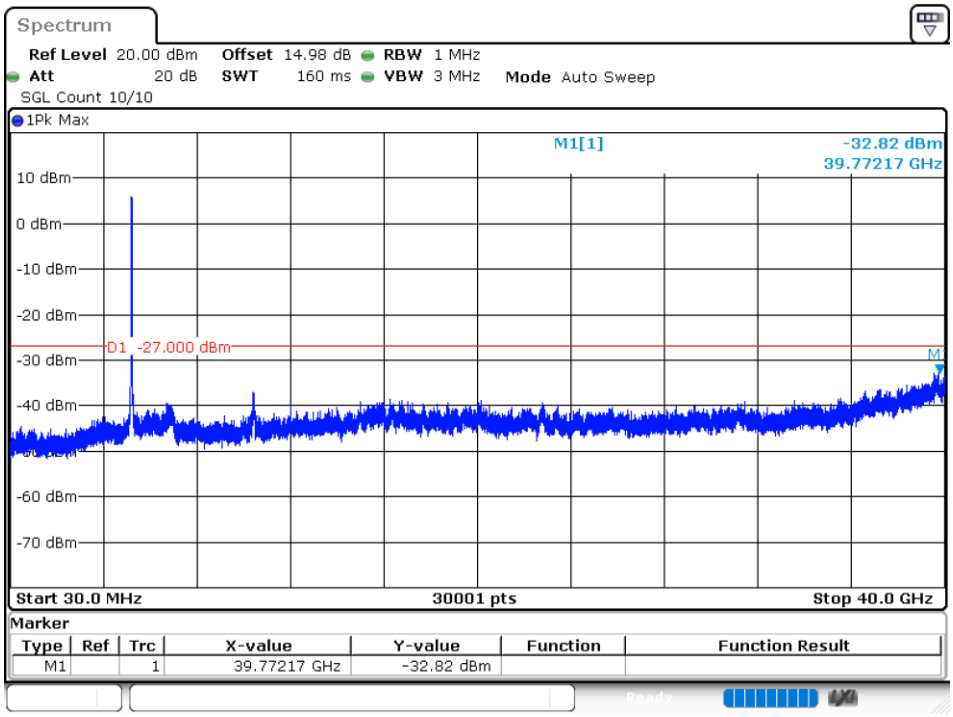
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



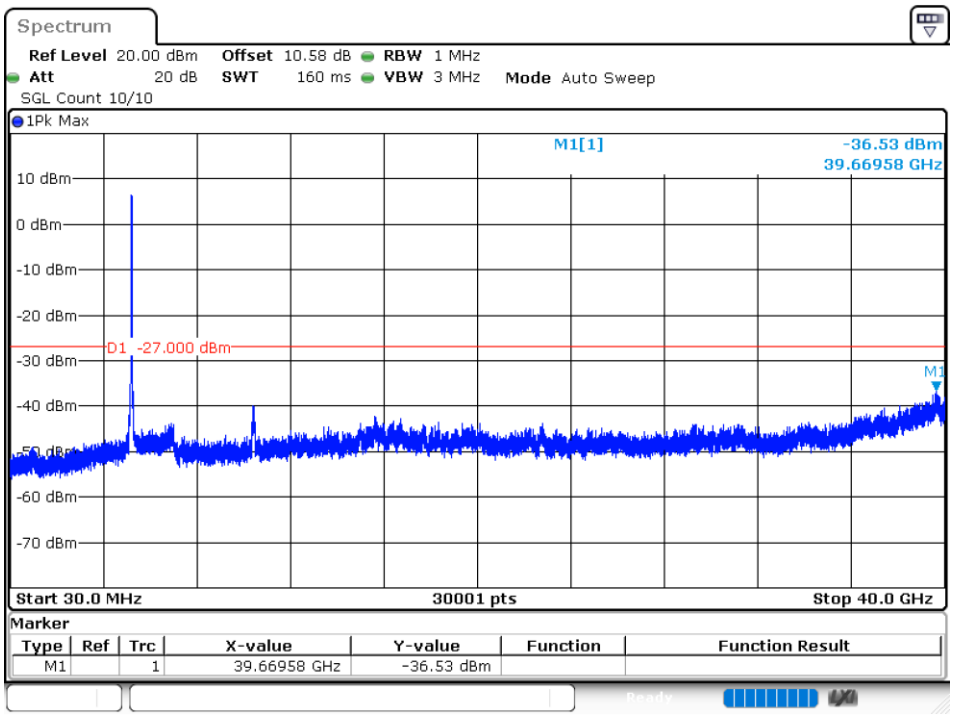
Tx. Spurious NVNT ac40 5230MHz Ant2 Emission



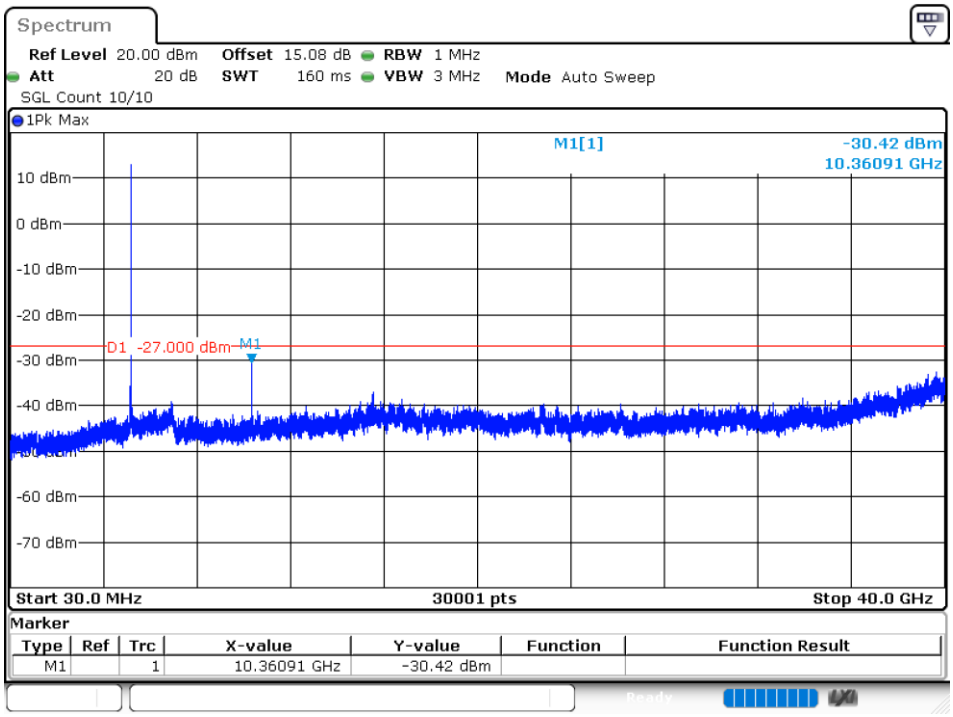
Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



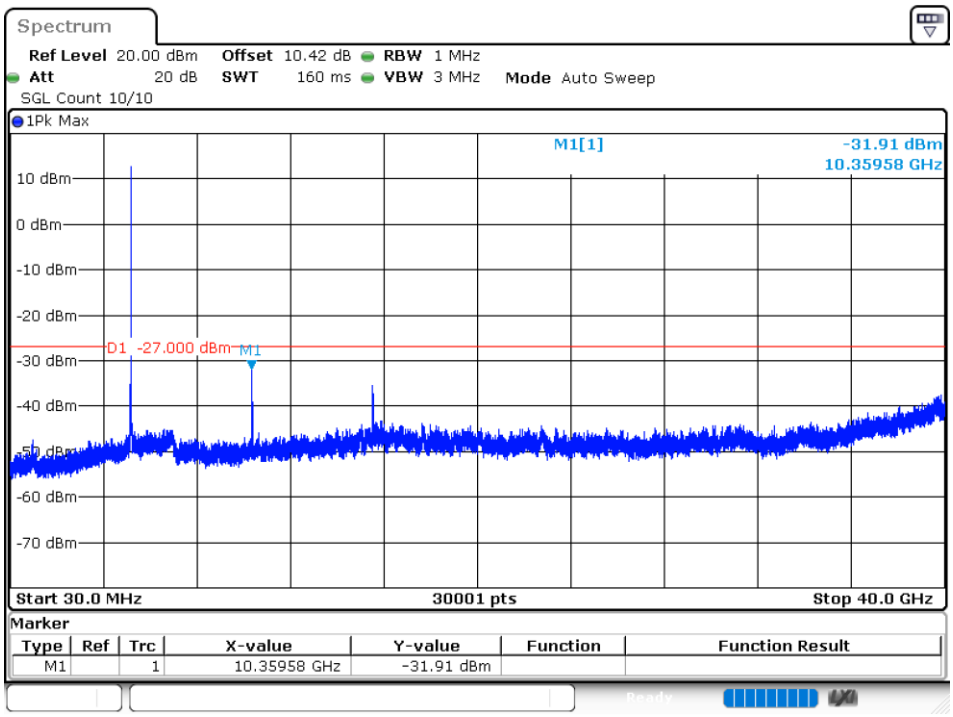
Tx. Spurious NVNT ac80 5210MHz Ant2 Emission



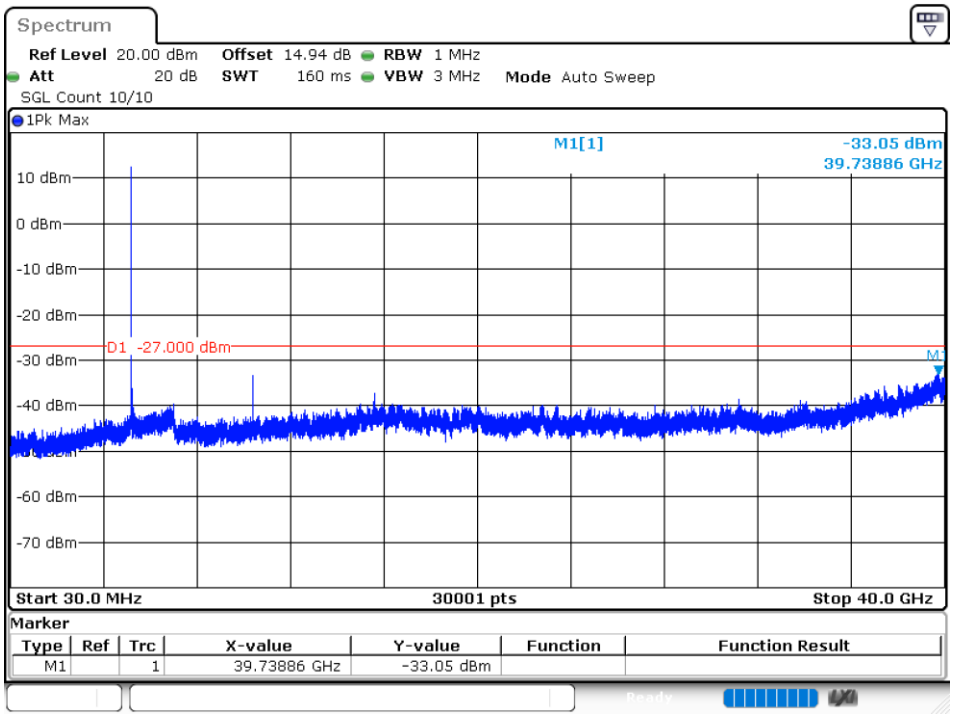
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



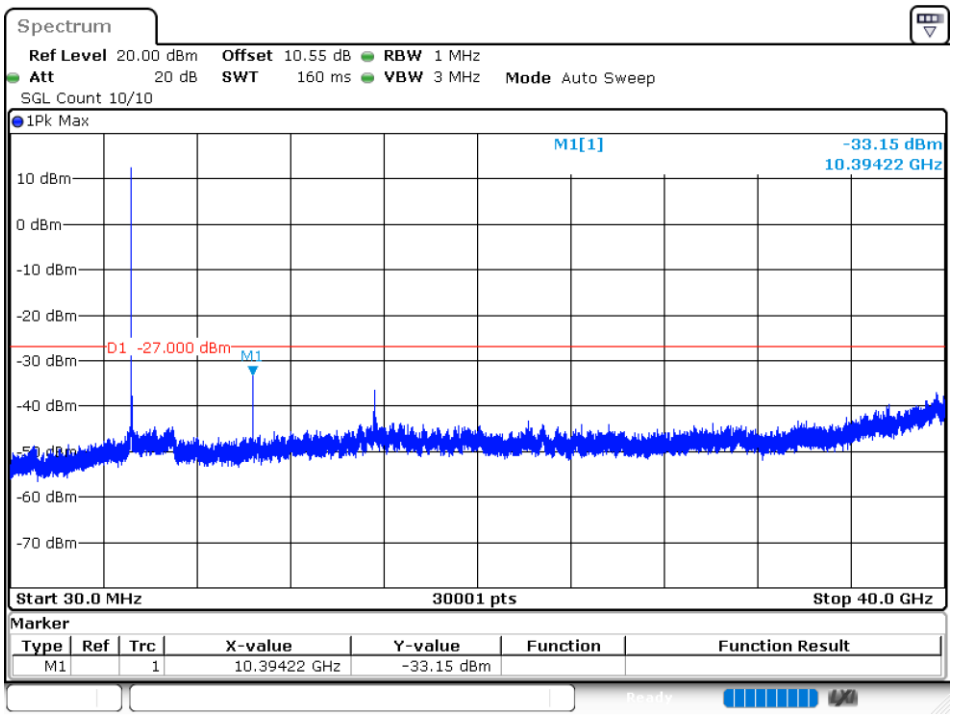
Tx. Spurious NVNT n20 5180MHz Ant2 Emission



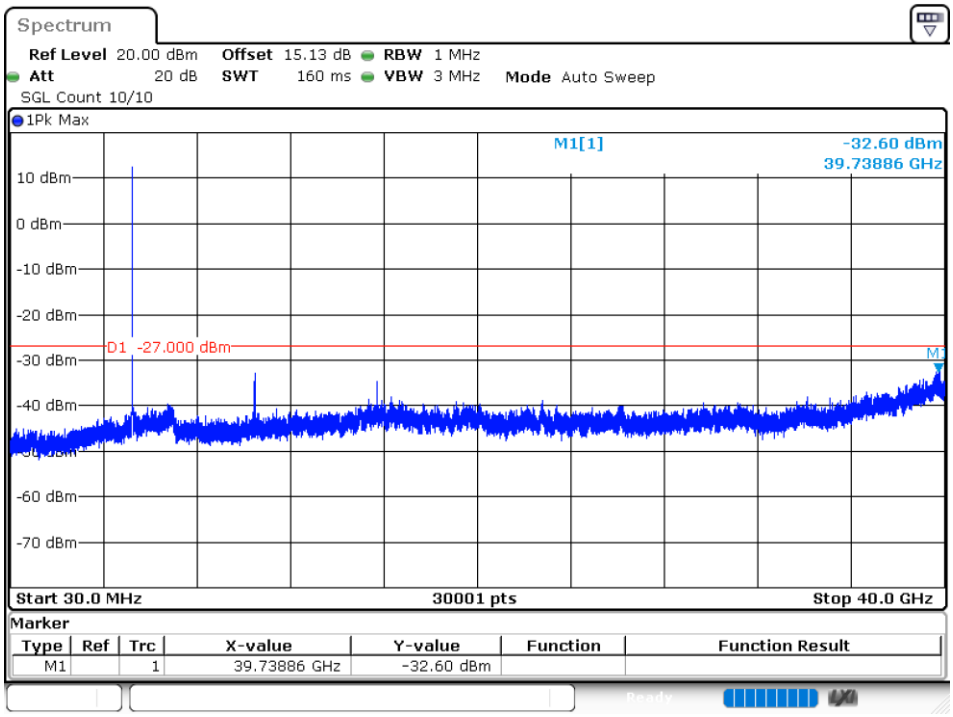
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



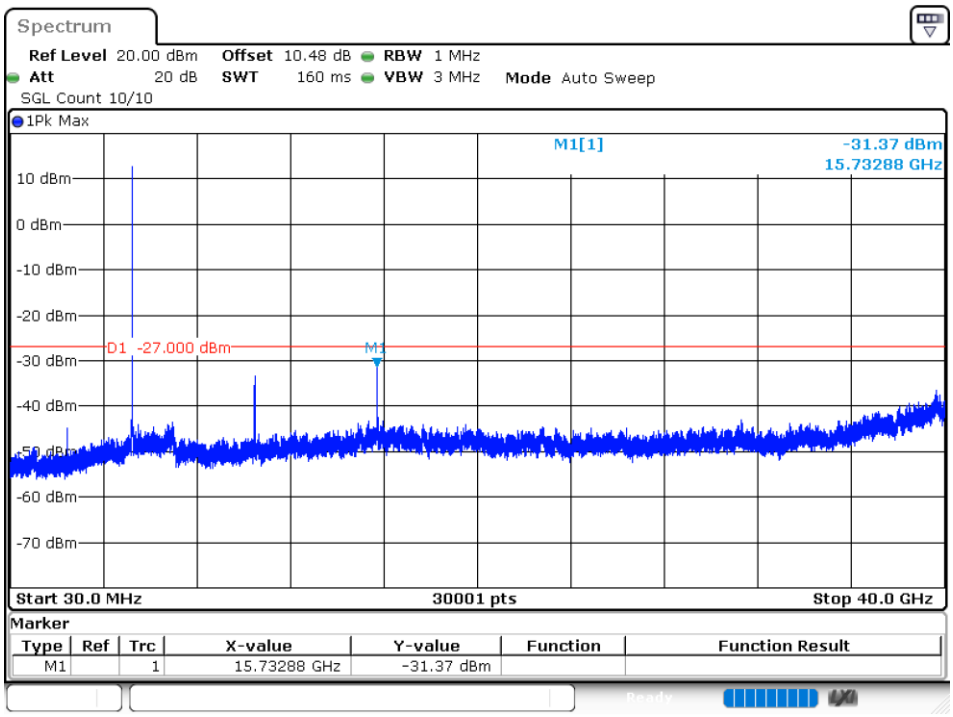
Tx. Spurious NVNT n20 5200MHz Ant2 Emission



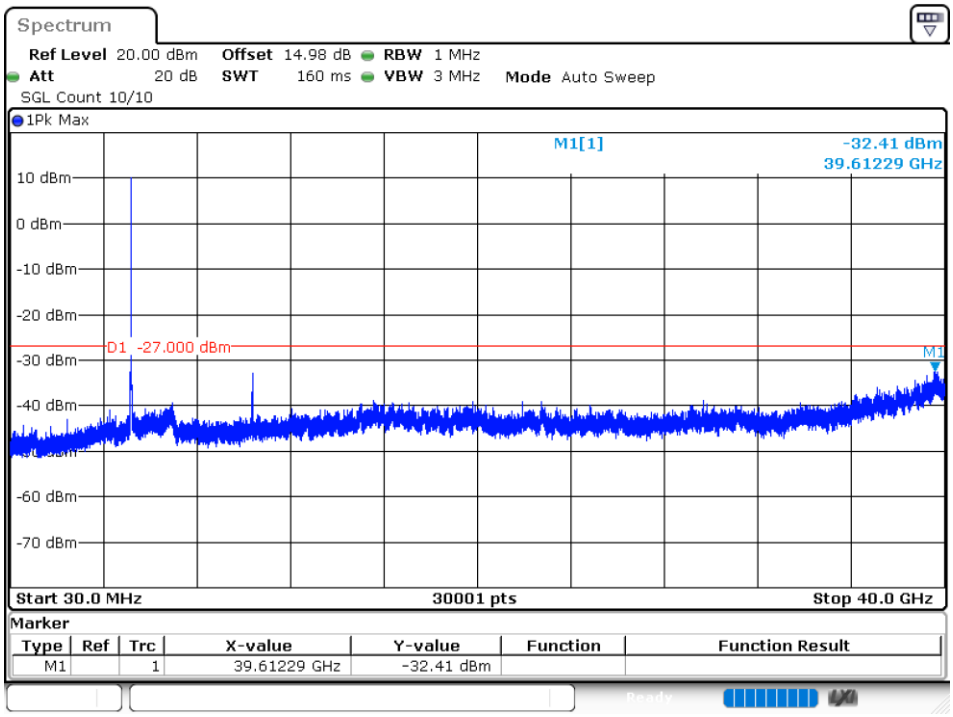
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



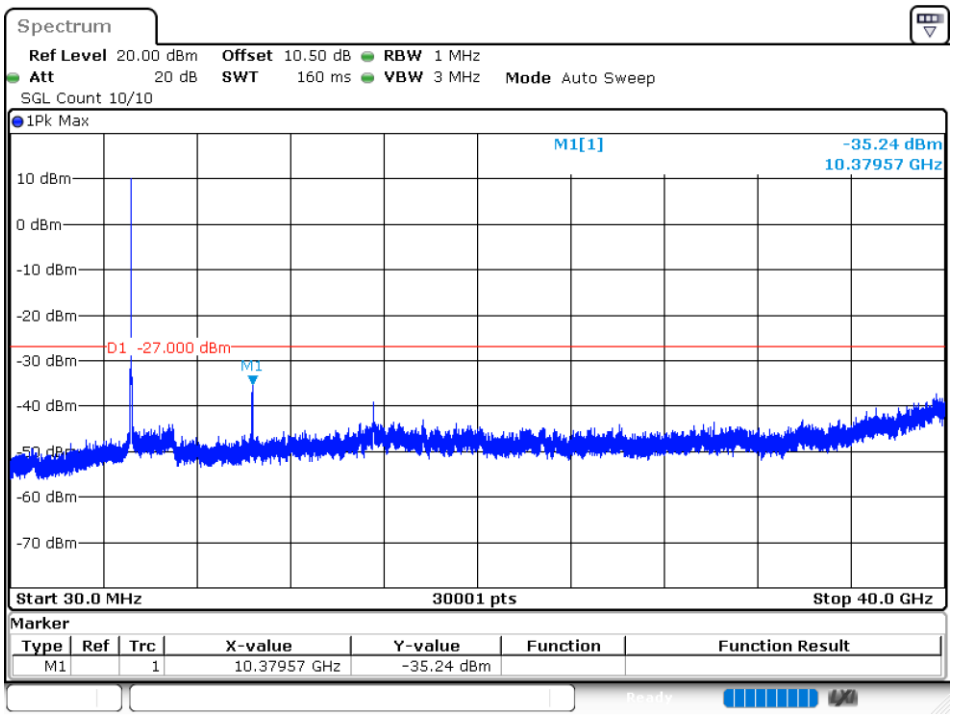
Tx. Spurious NVNT n20 5240MHz Ant2 Emission



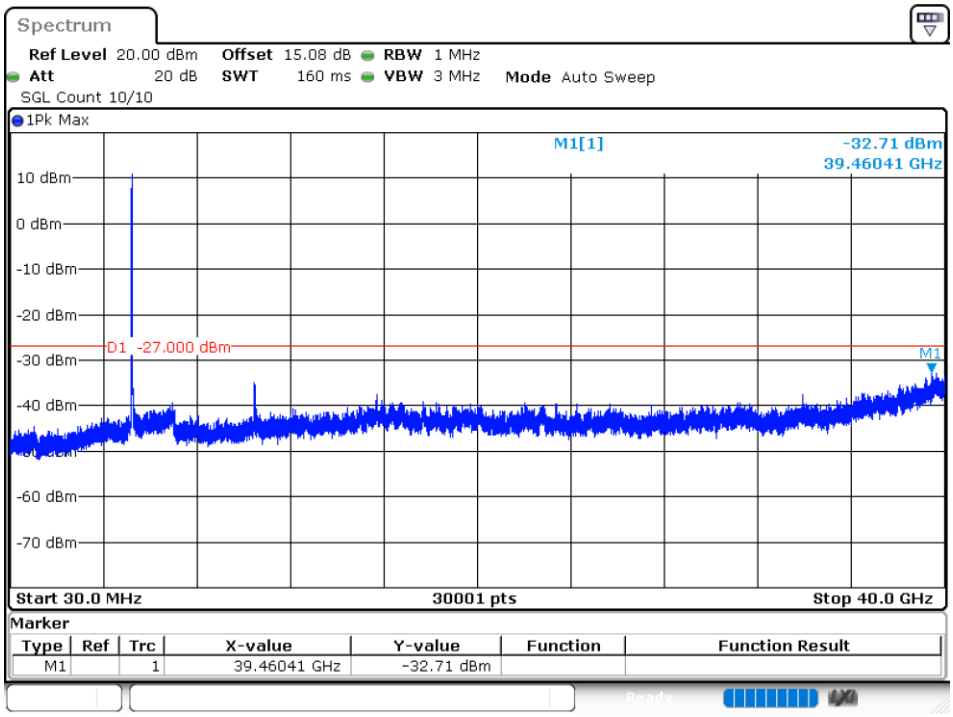
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



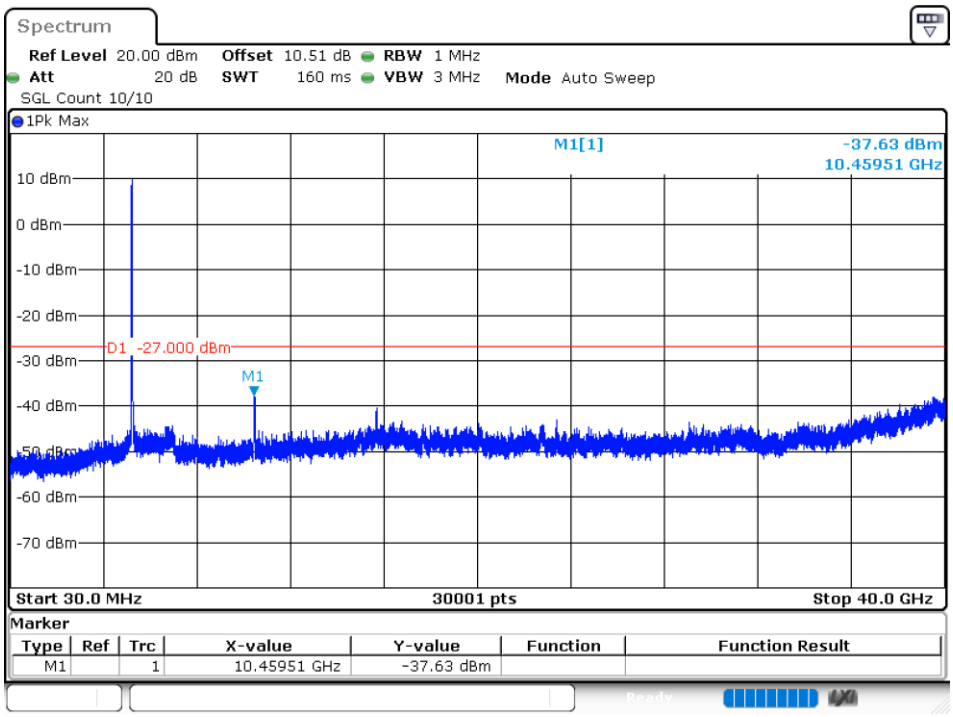
Tx. Spurious NVNT n40 5190MHz Ant2 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant2 Emission

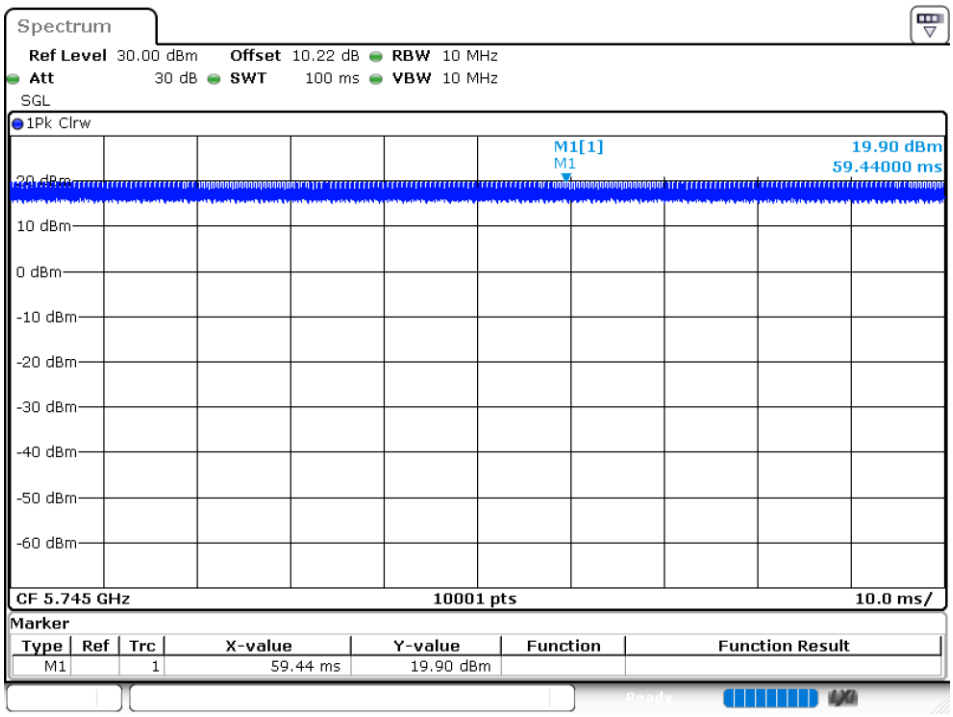


5.8G:

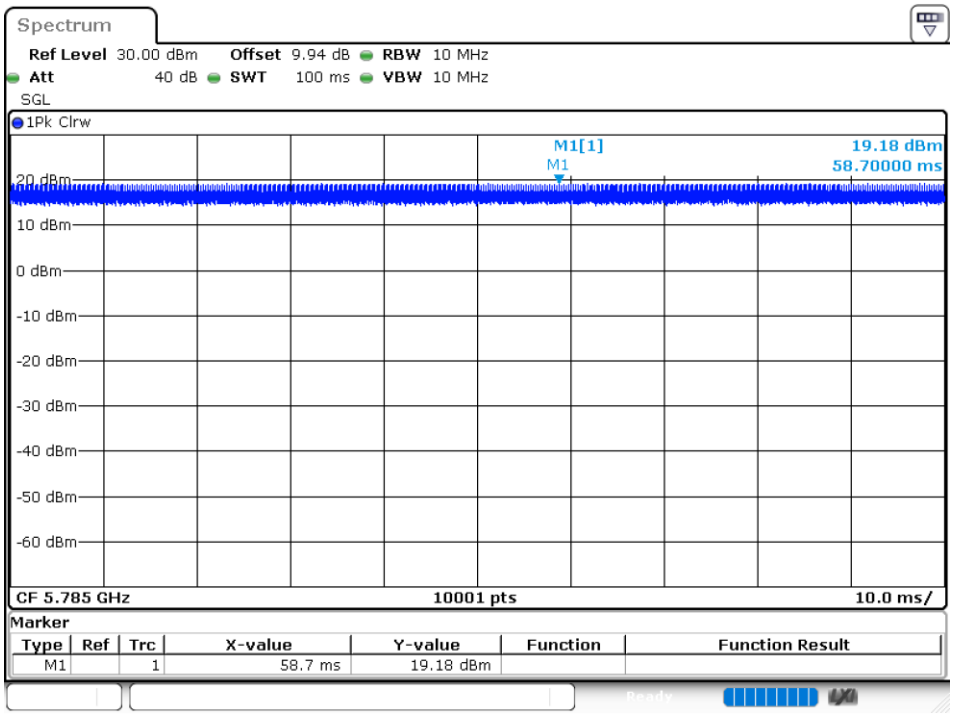
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	100	0	0
NVNT	a	5785	Ant1	100	0	0
NVNT	a	5825	Ant1	100	0	0
NVNT	a	5745	Ant2	100	0	0
NVNT	a	5785	Ant2	100	0	0
NVNT	a	5825	Ant2	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n20	5745	Ant2	100	0	0
NVNT	n20	5785	Ant2	100	0	0
NVNT	n20	5825	Ant2	100	0	0
NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5795	Ant1	100	0	0
NVNT	n40	5755	Ant2	100	0	0
NVNT	n40	5795	Ant2	100	0	0
NVNT	ac20	5745	Ant1	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac20	5745	Ant2	100	0	0
NVNT	ac20	5785	Ant2	100	0	0
NVNT	ac20	5825	Ant2	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac40	5755	Ant2	100	0	0
NVNT	ac40	5795	Ant2	100	0	0
NVNT	ac80	5775	Ant1	100	0	0
NVNT	ac80	5775	Ant2	100	0	0

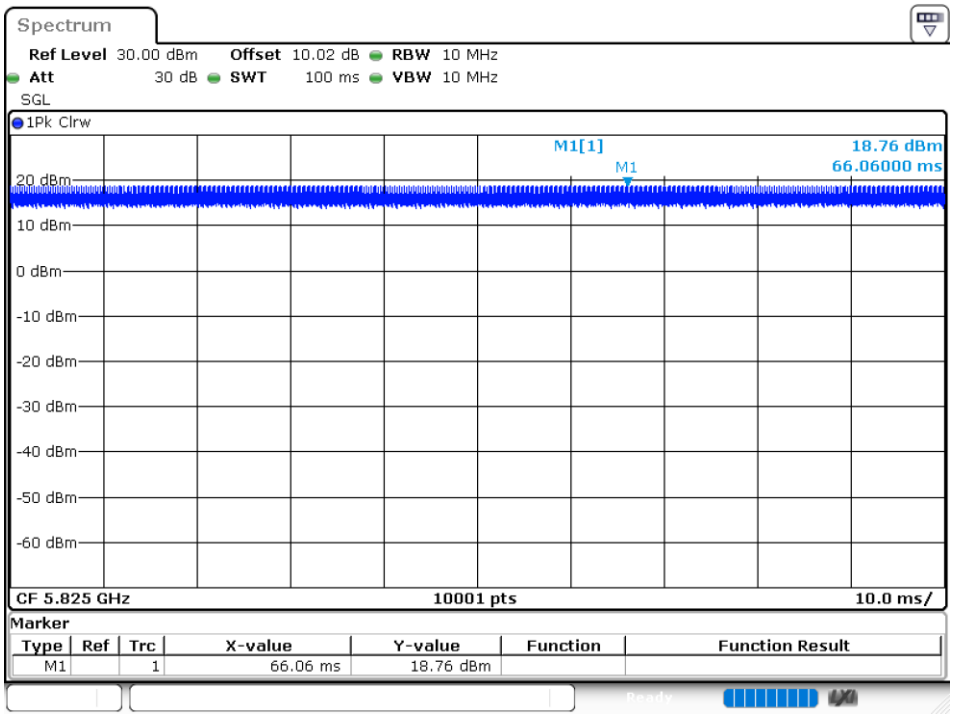
Test Graphs
Duty Cycle NVNT a 5745MHz Ant1



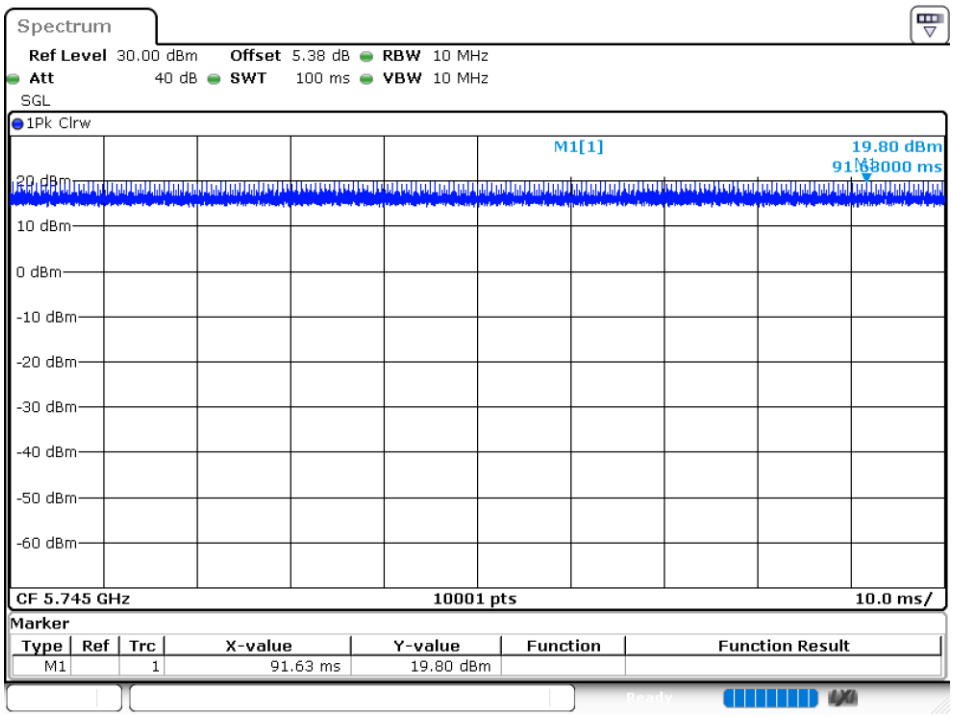
Duty Cycle NVNT a 5785MHz Ant1



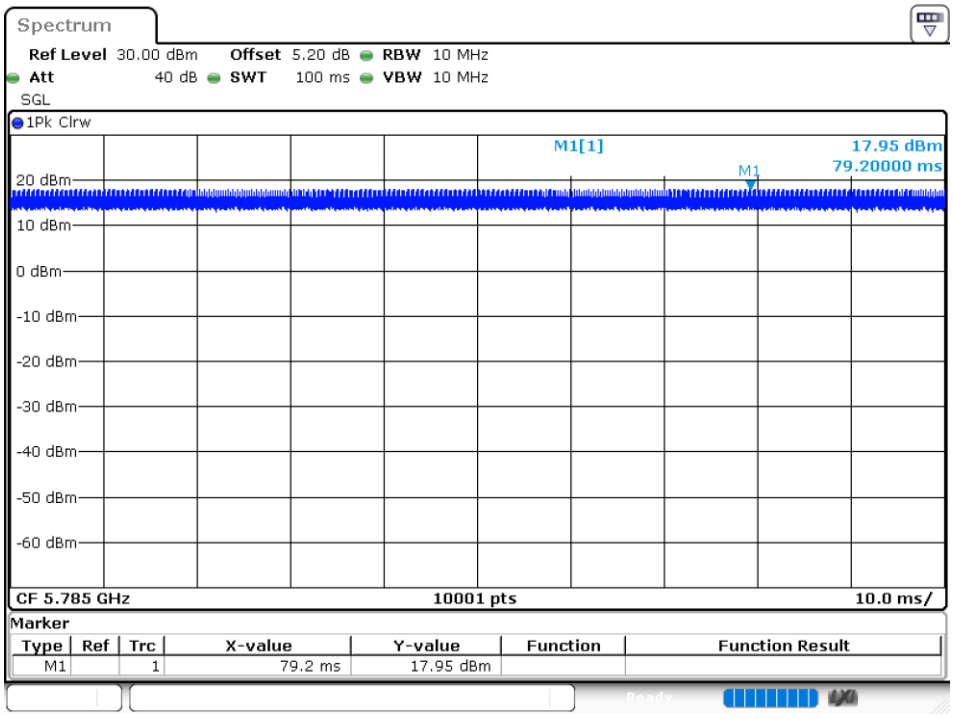
Duty Cycle NVNT a 5825MHz Ant1



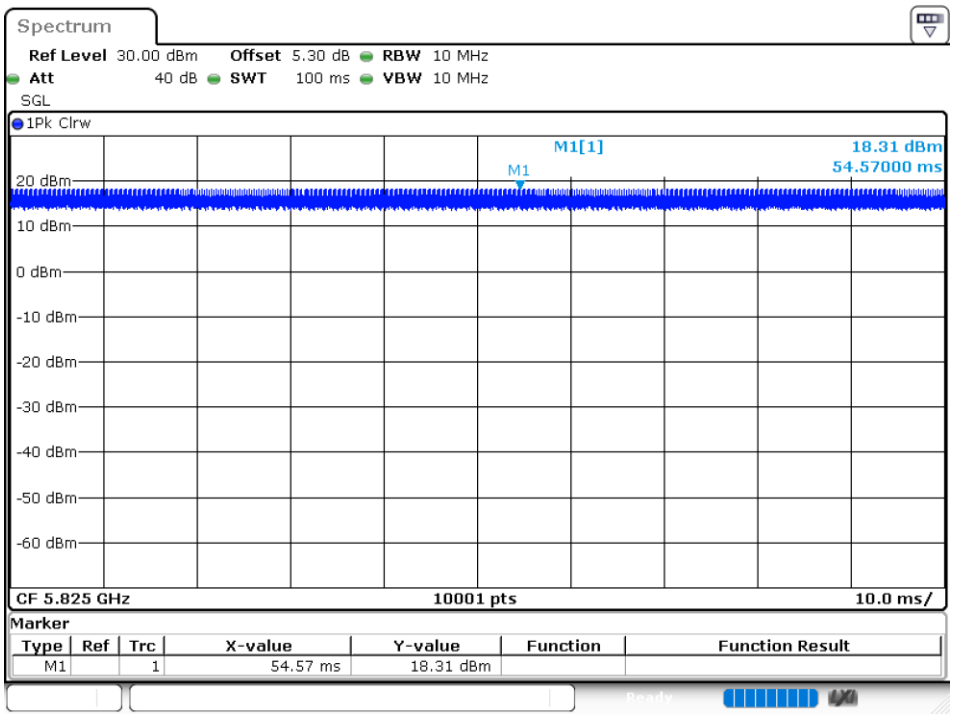
Duty Cycle NVNT a 5745MHz Ant2



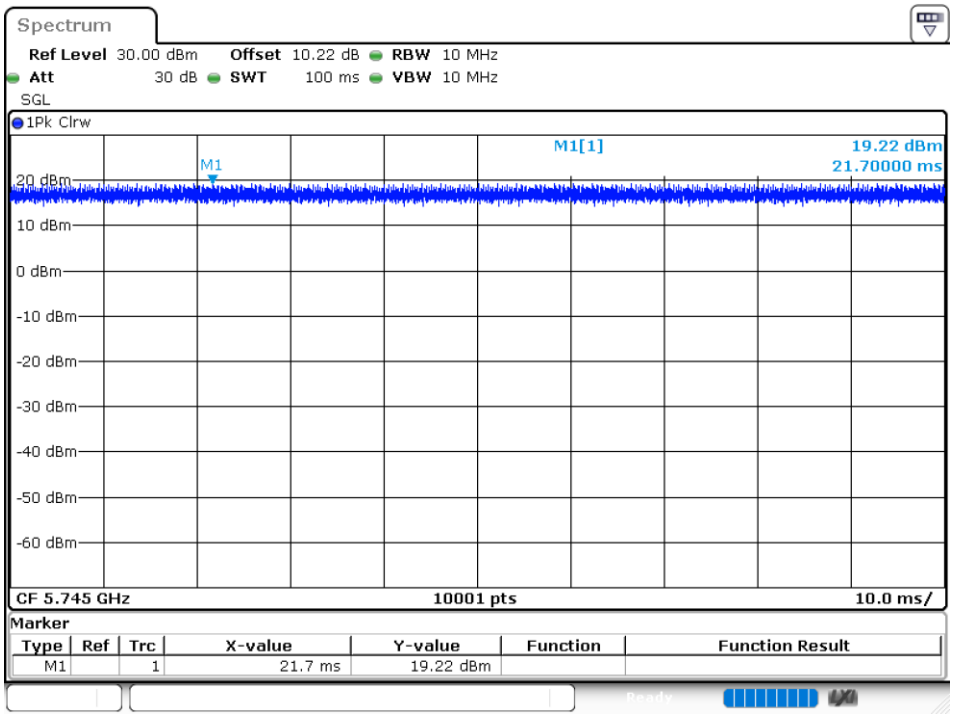
Duty Cycle NVNT a 5785MHz Ant2



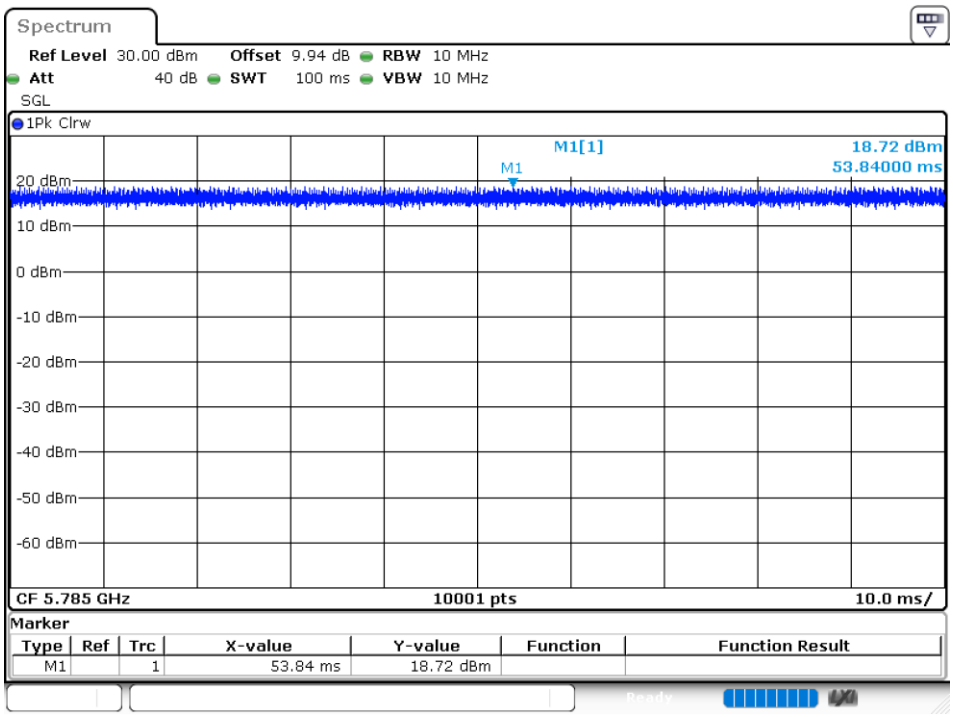
Duty Cycle NVNT a 5825MHz Ant2



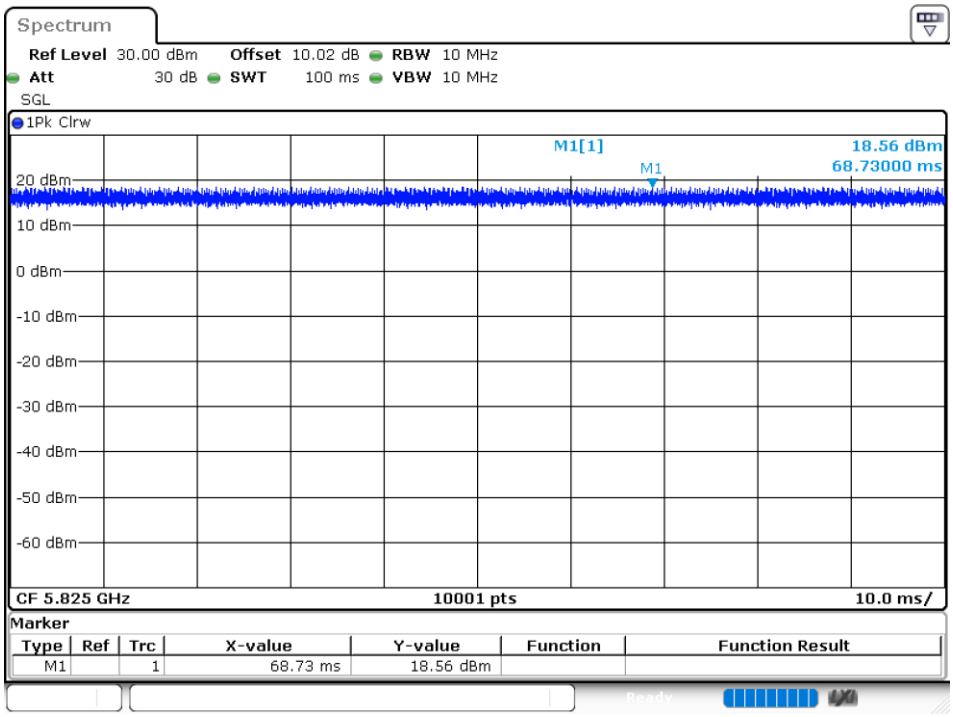
Duty Cycle NVNT n20 5745MHz Ant1



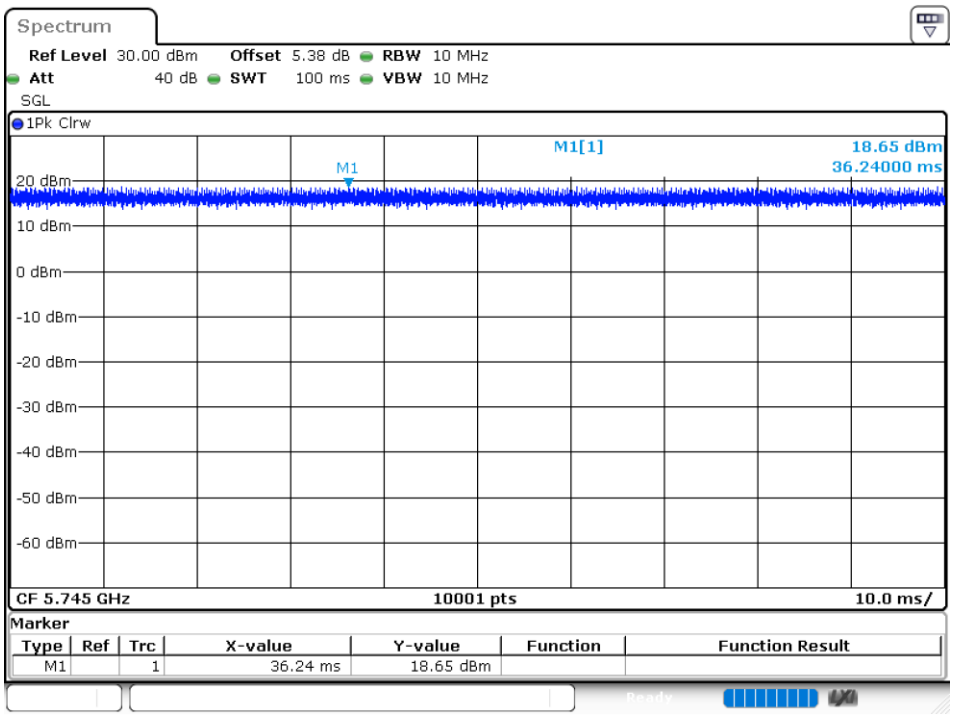
Duty Cycle NVNT n20 5785MHz Ant1



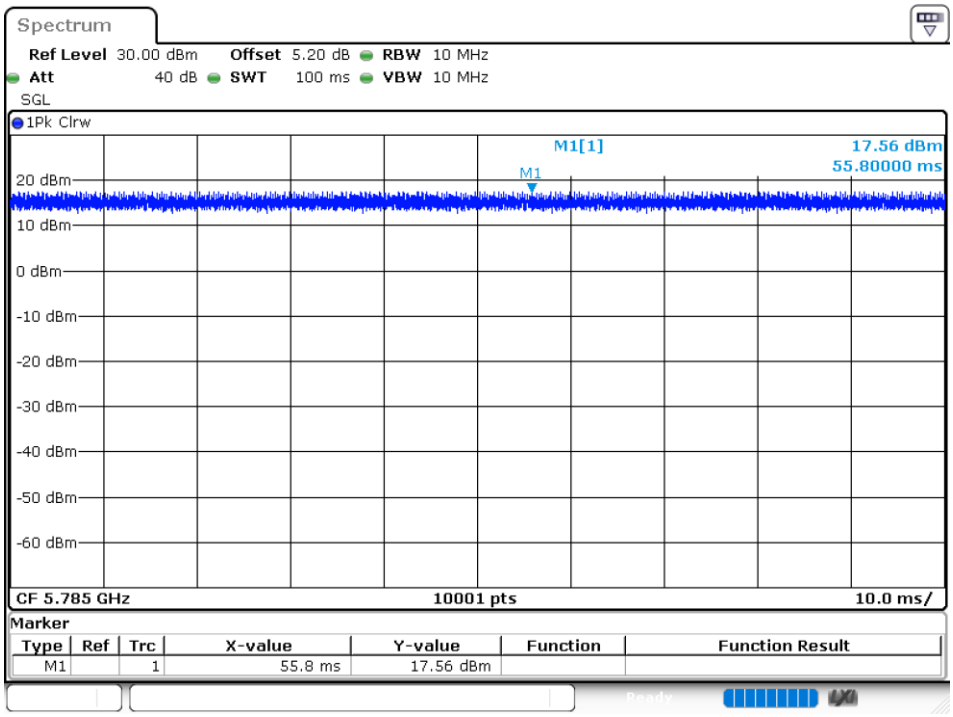
Duty Cycle NVNT n20 5825MHz Ant1



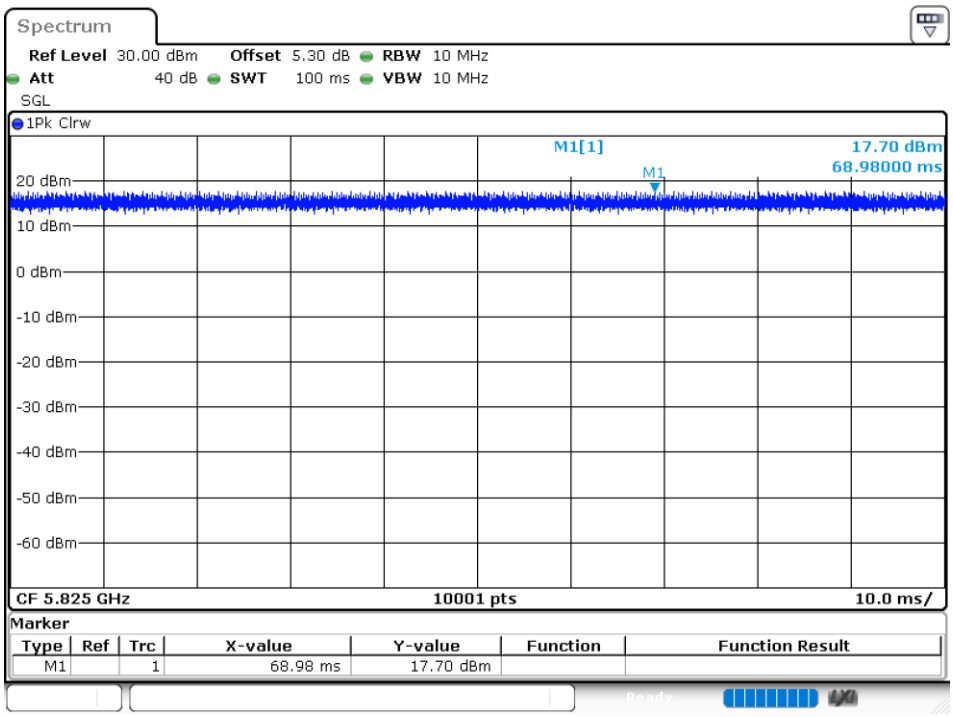
Duty Cycle NVNT n20 5745MHz Ant2



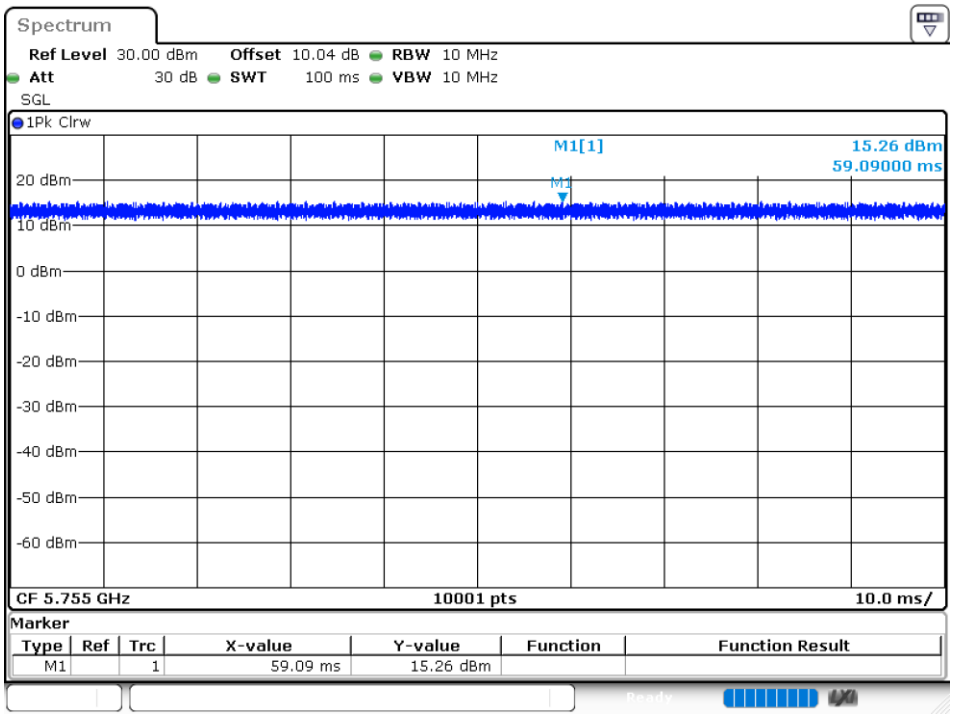
Duty Cycle NVNT n20 5785MHz Ant2



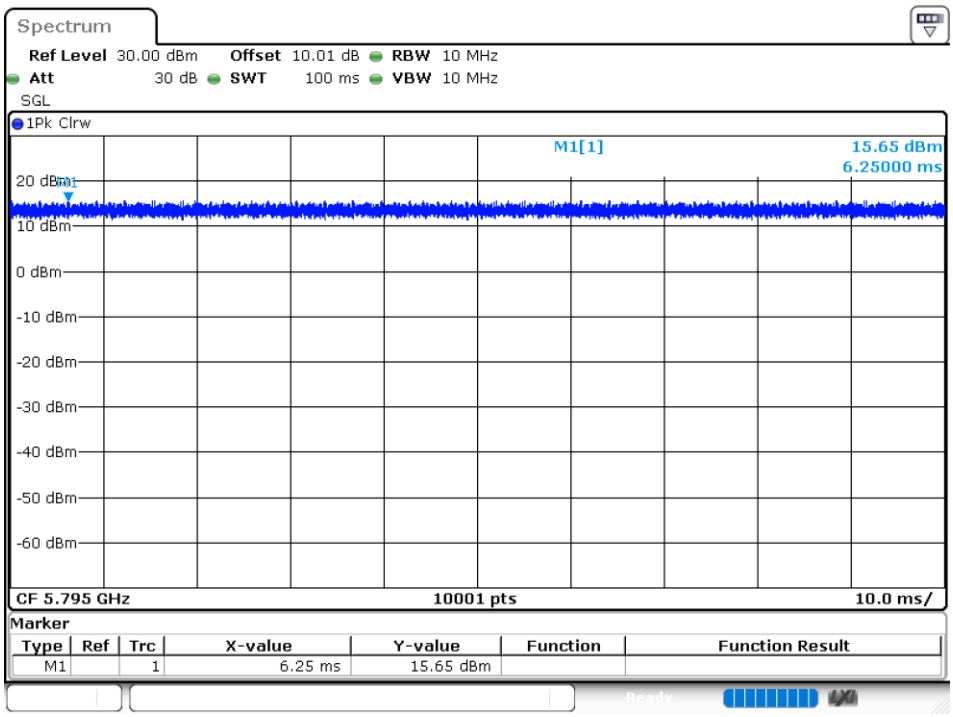
Duty Cycle NVNT n20 5825MHz Ant2



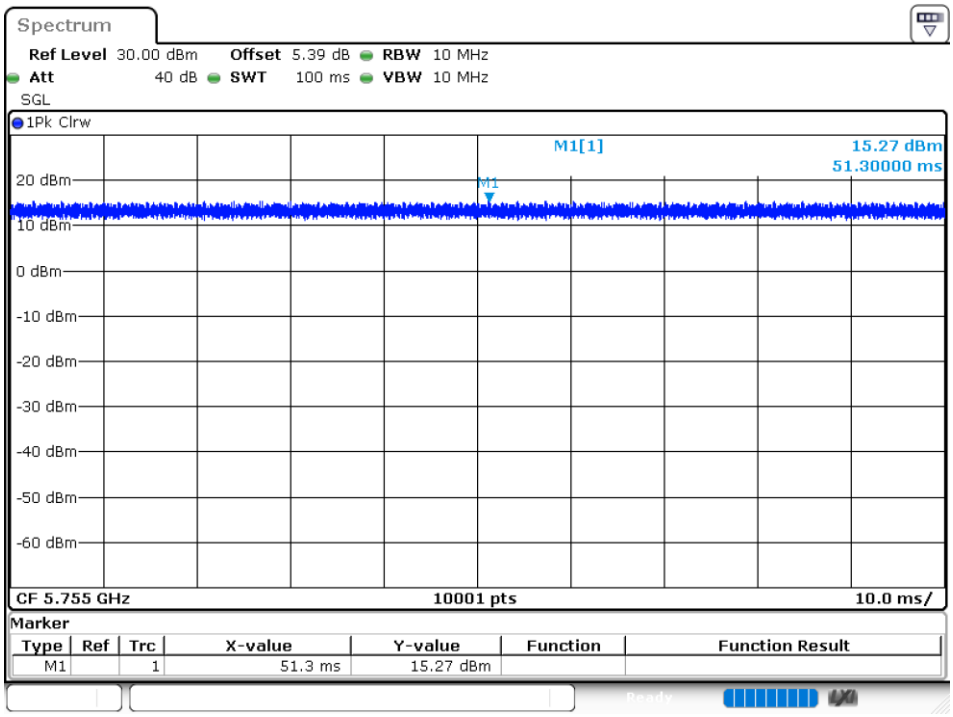
Duty Cycle NVNT n40 5755MHz Ant1



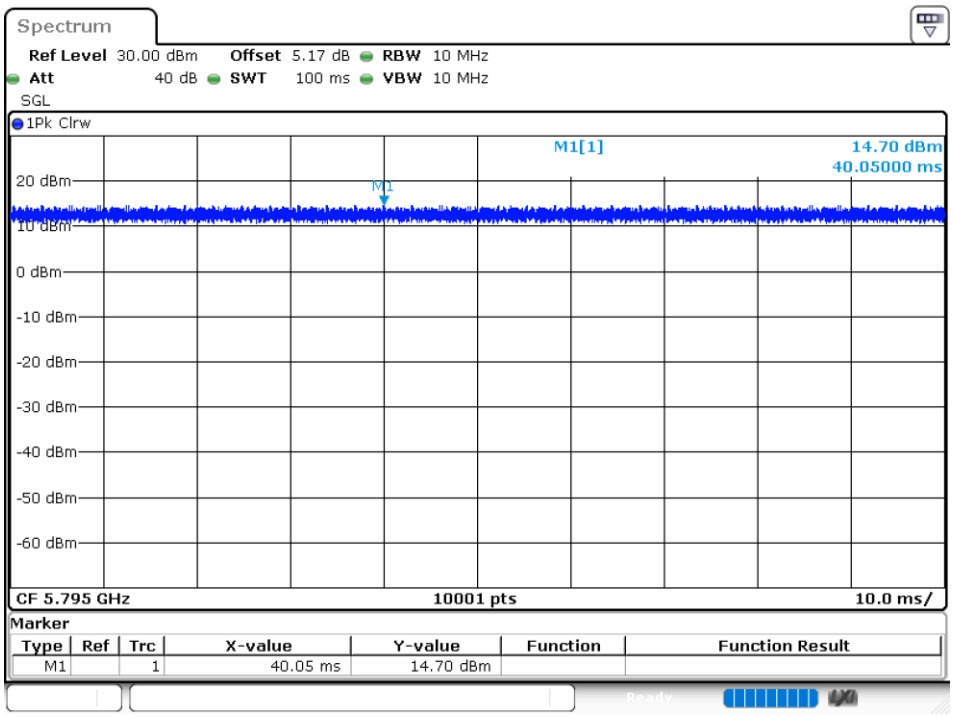
Duty Cycle NVNT n40 5795MHz Ant1



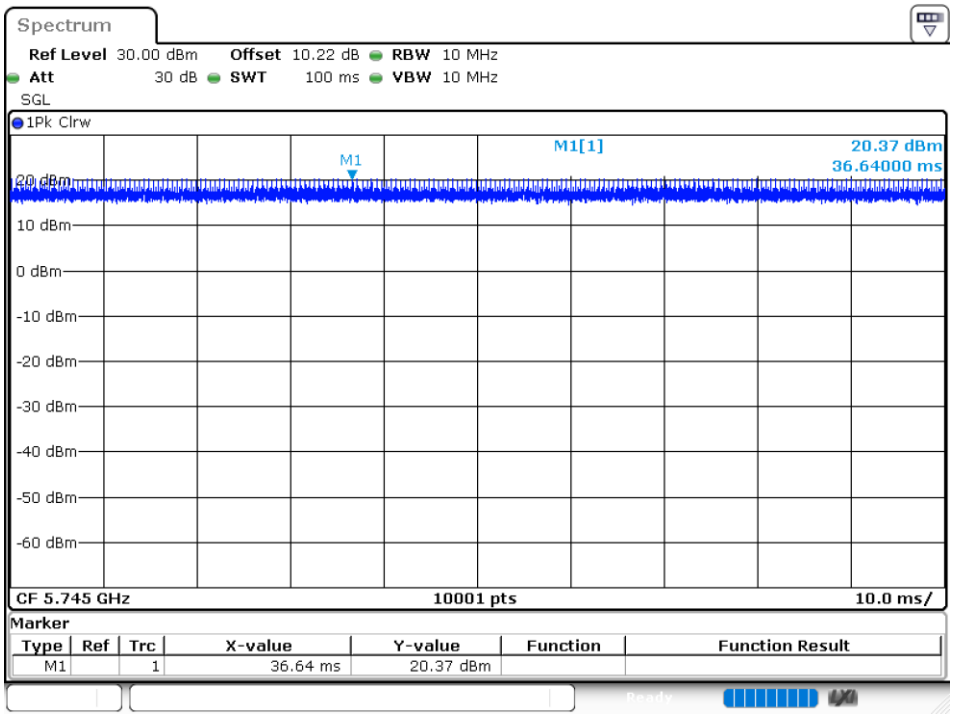
Duty Cycle NVNT n40 5755MHz Ant2



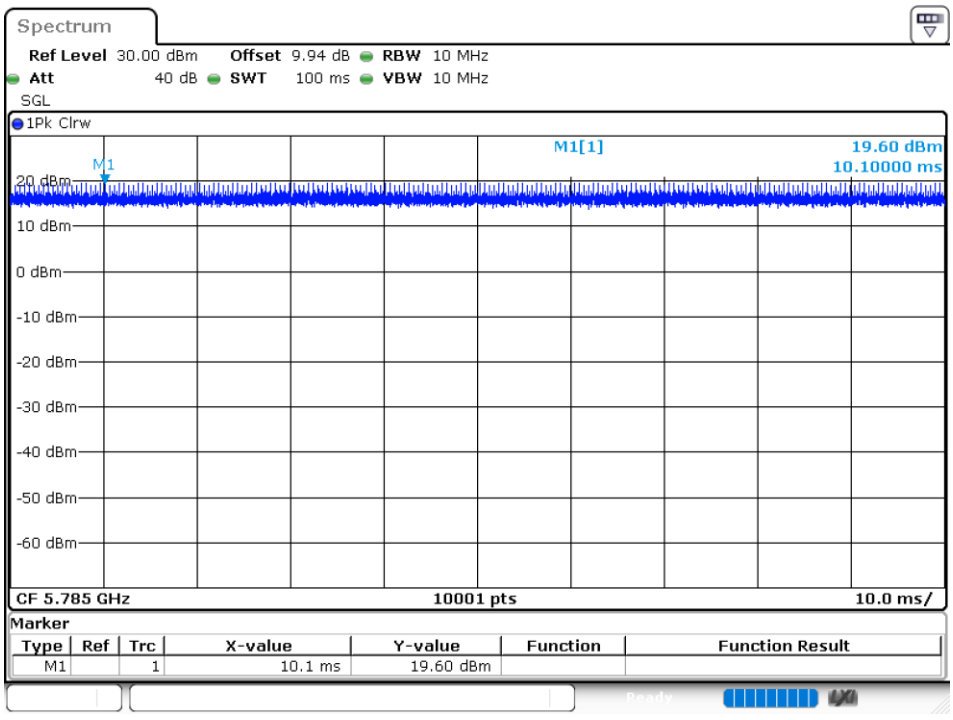
Duty Cycle NVNT n40 5795MHz Ant2



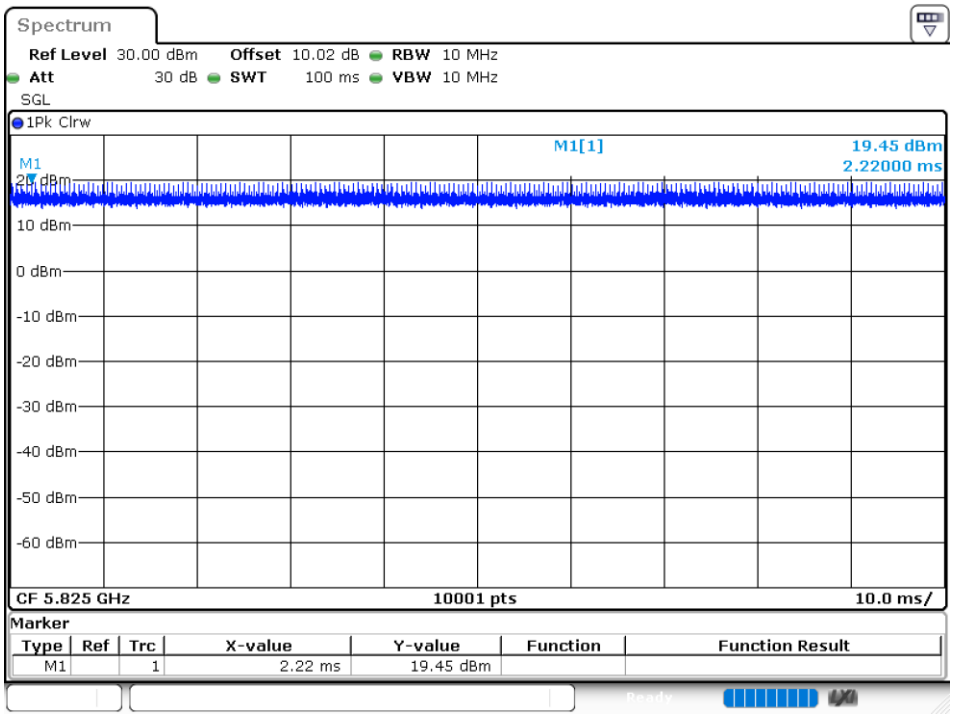
Duty Cycle NVNT ac20 5745MHz Ant1



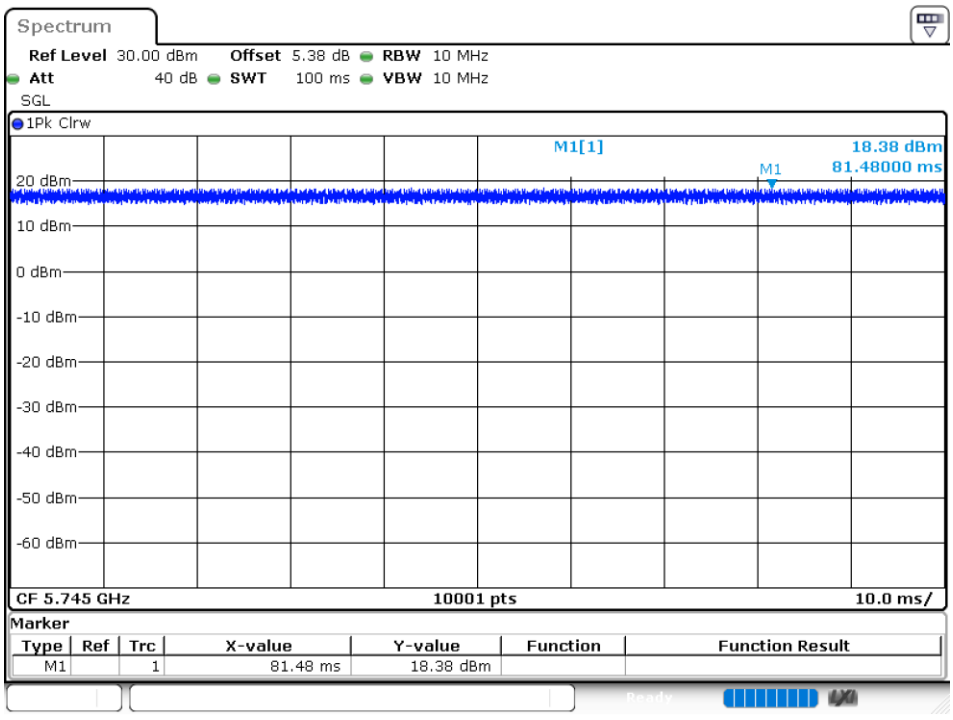
Duty Cycle NVNT ac20 5785MHz Ant1



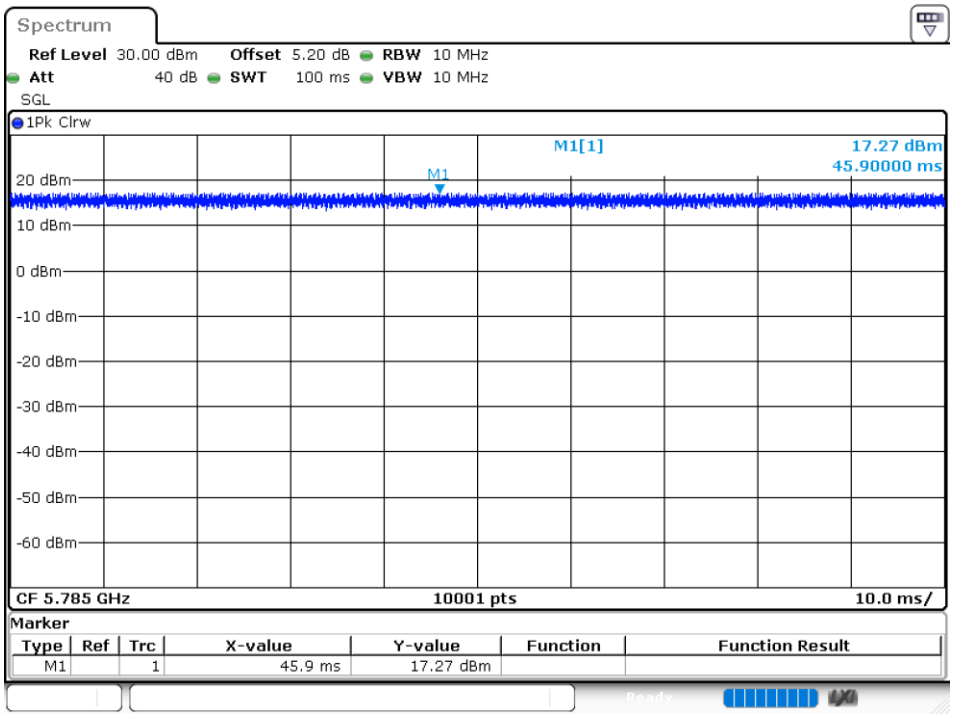
Duty Cycle NVNT ac20 5825MHz Ant1



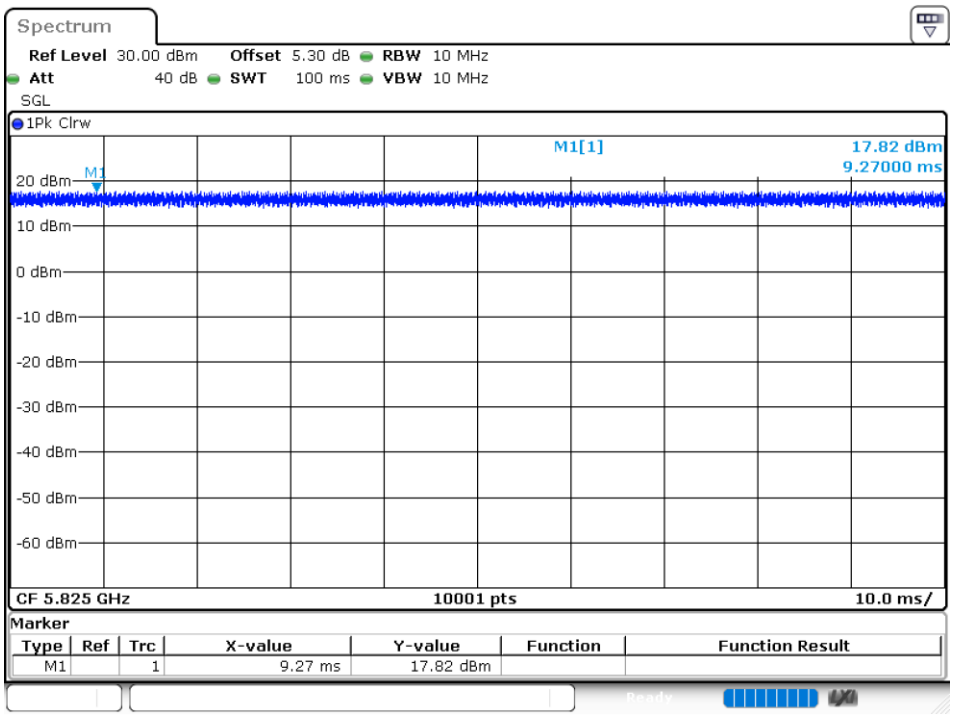
Duty Cycle NVNT ac20 5745MHz Ant2



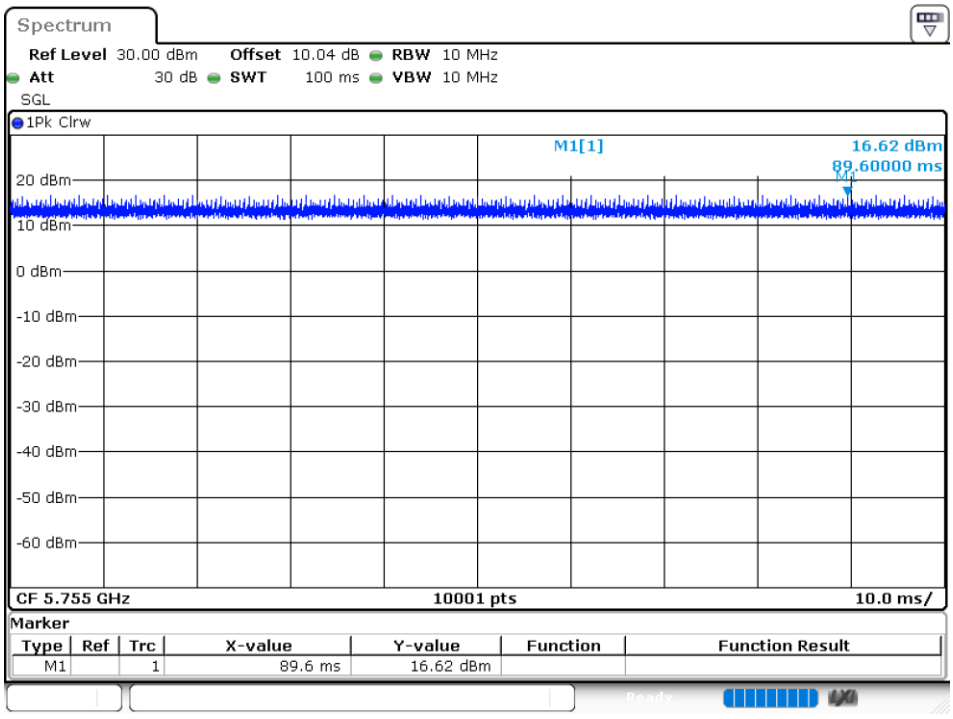
Duty Cycle NVNT ac20 5785MHz Ant2



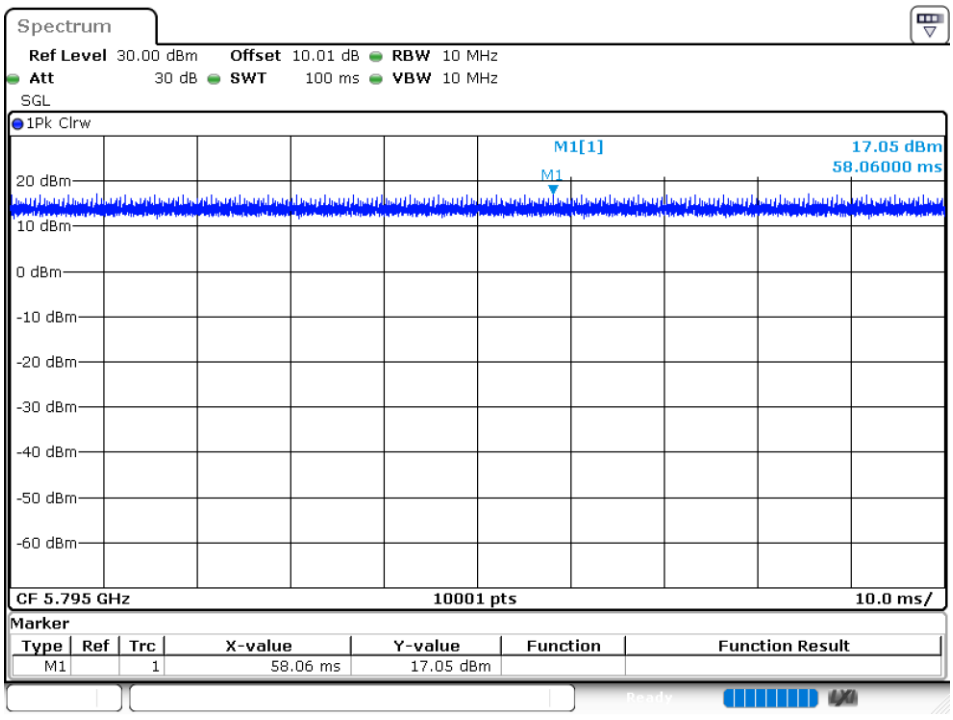
Duty Cycle NVNT ac20 5825MHz Ant2



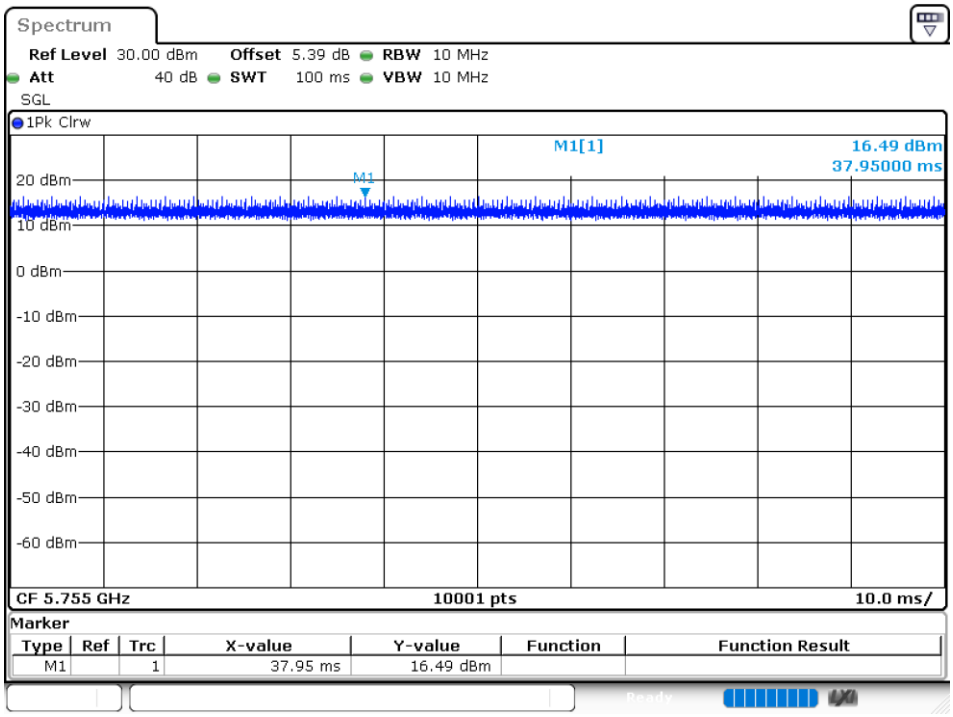
Duty Cycle NVNT ac40 5755MHz Ant1



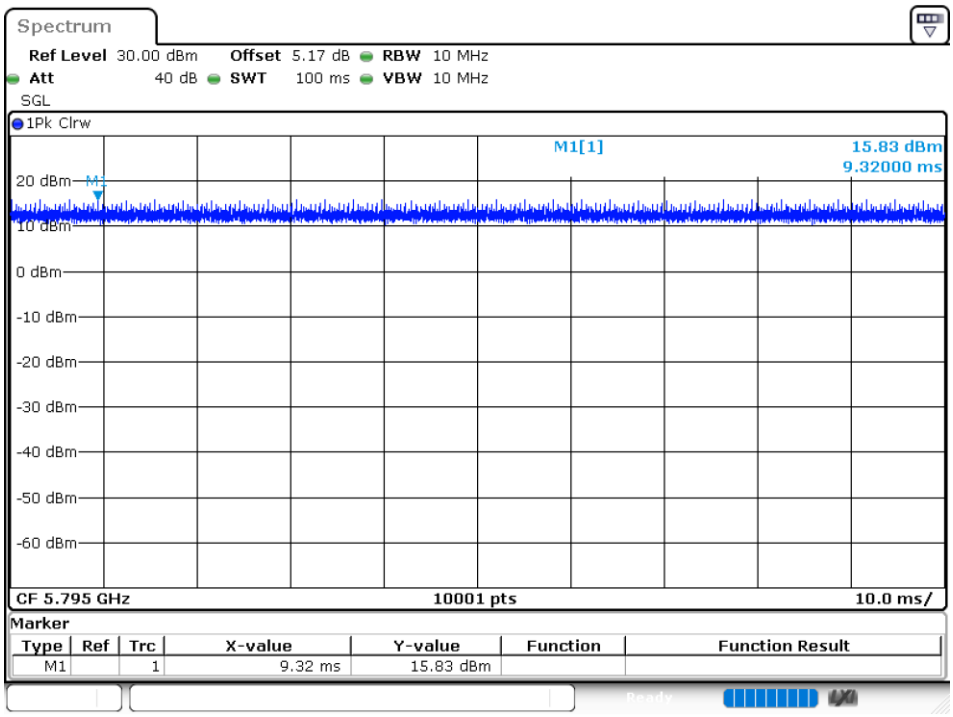
Duty Cycle NVNT ac40 5795MHz Ant1



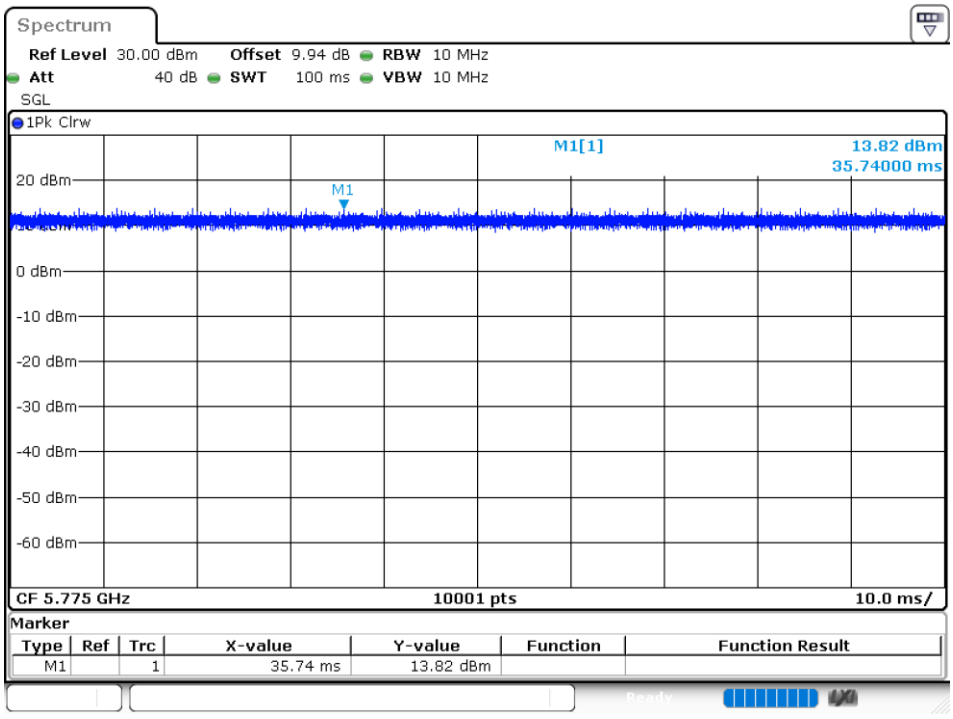
Duty Cycle NVNT ac40 5755MHz Ant2



Duty Cycle NVNT ac40 5795MHz Ant2



Duty Cycle NVNT ac80 5775MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant2