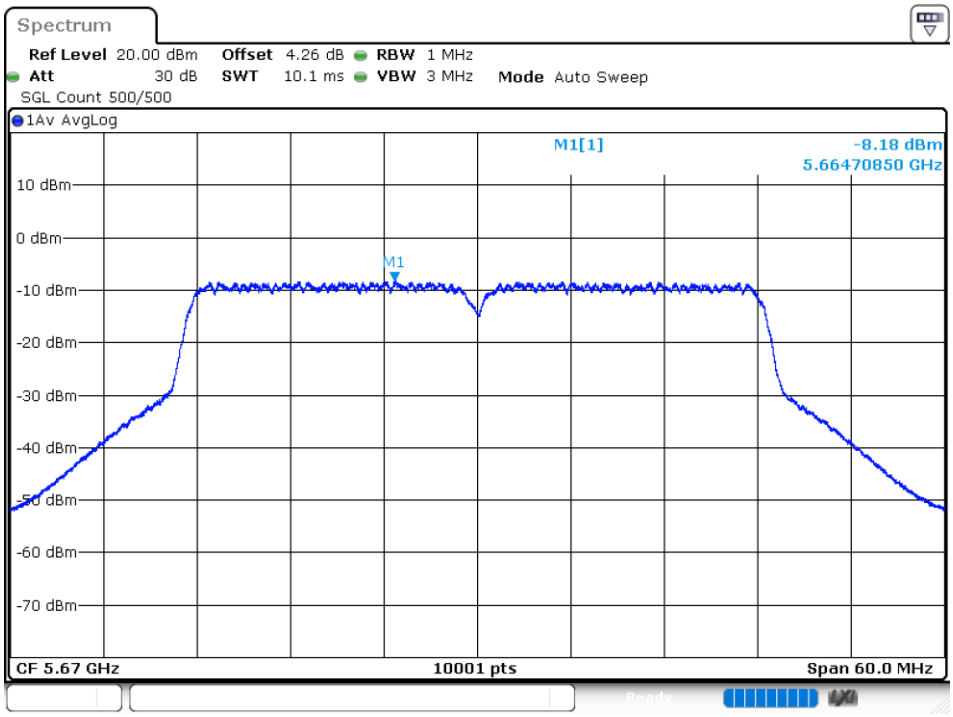
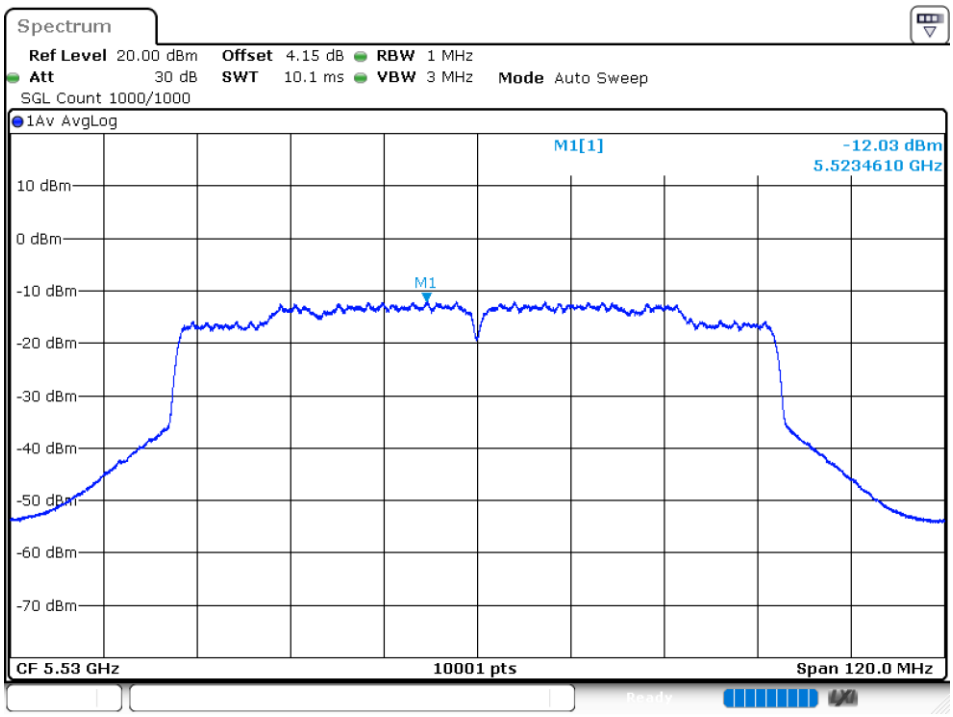
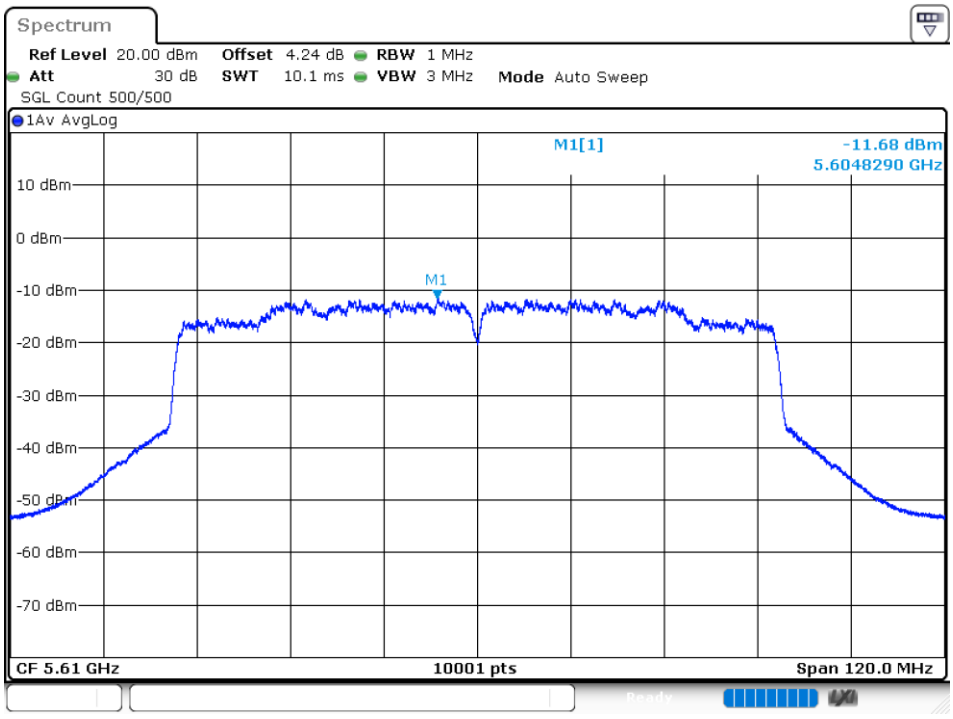
PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1

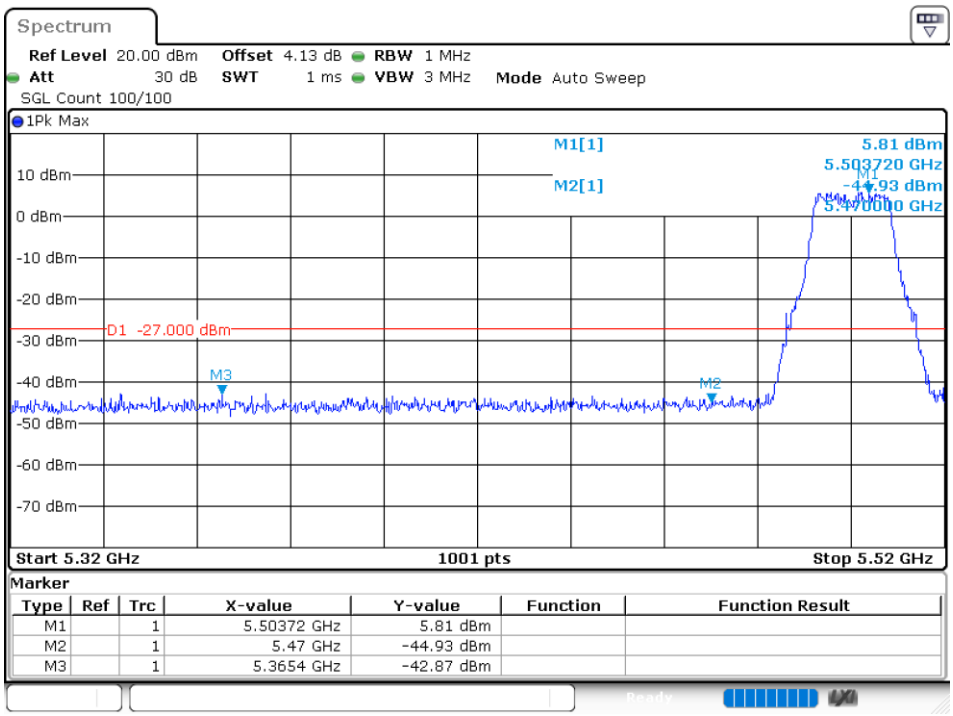


Band Edge

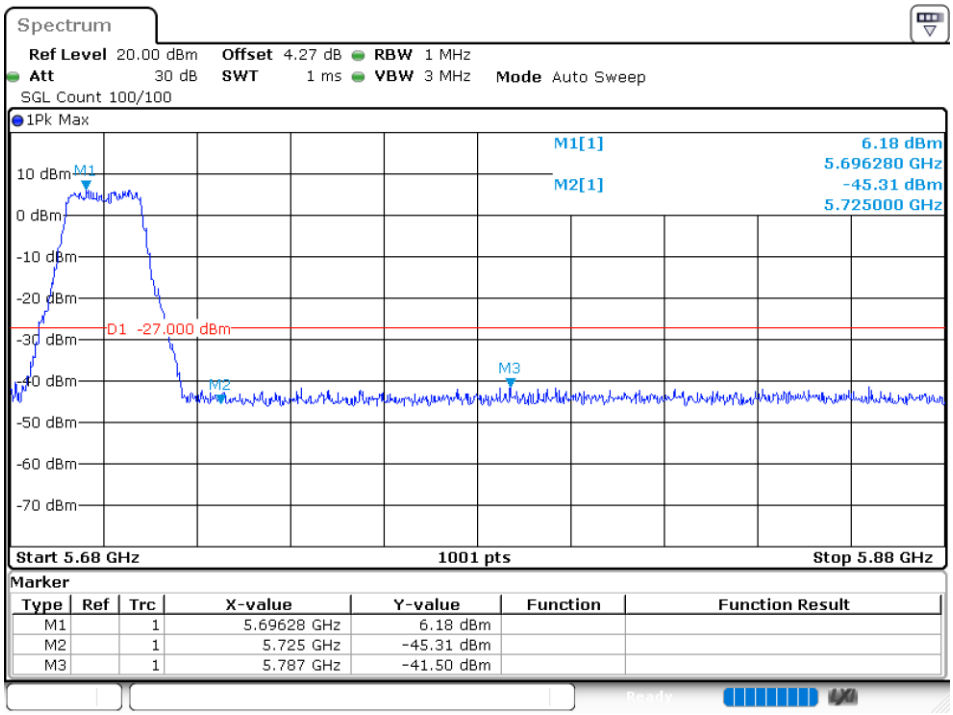
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-42.86	-27	Pass
NVNT	a	5700	Ant1	-41.49	-27	Pass
NVNT	n20	5500	Ant1	-42.86	-27	Pass
NVNT	n20	5700	Ant1	-41.51	-27	Pass
NVNT	n40	5510	Ant1	-41.27	-27	Pass
NVNT	n40	5670	Ant1	-41.69	-27	Pass
NVNT	ac20	5500	Ant1	-43.03	-27	Pass
NVNT	ac20	5700	Ant1	-40.89	-27	Pass
NVNT	ac40	5510	Ant1	-42.03	-27	Pass
NVNT	ac40	5670	Ant1	-41.71	-27	Pass
NVNT	ac80	5530	Ant1	-41	-27	Pass
NVNT	ac80	5610	Ant1	-42.61	-27	Pass

Test Graphs

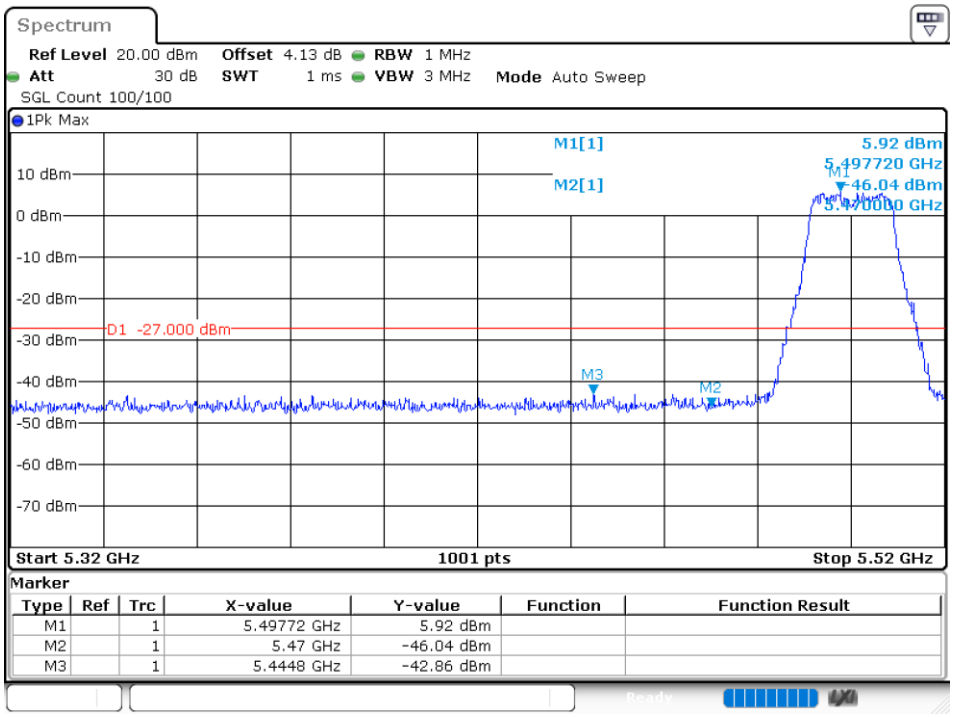
Band Edge NVNT a 5500MHz Low Ant1



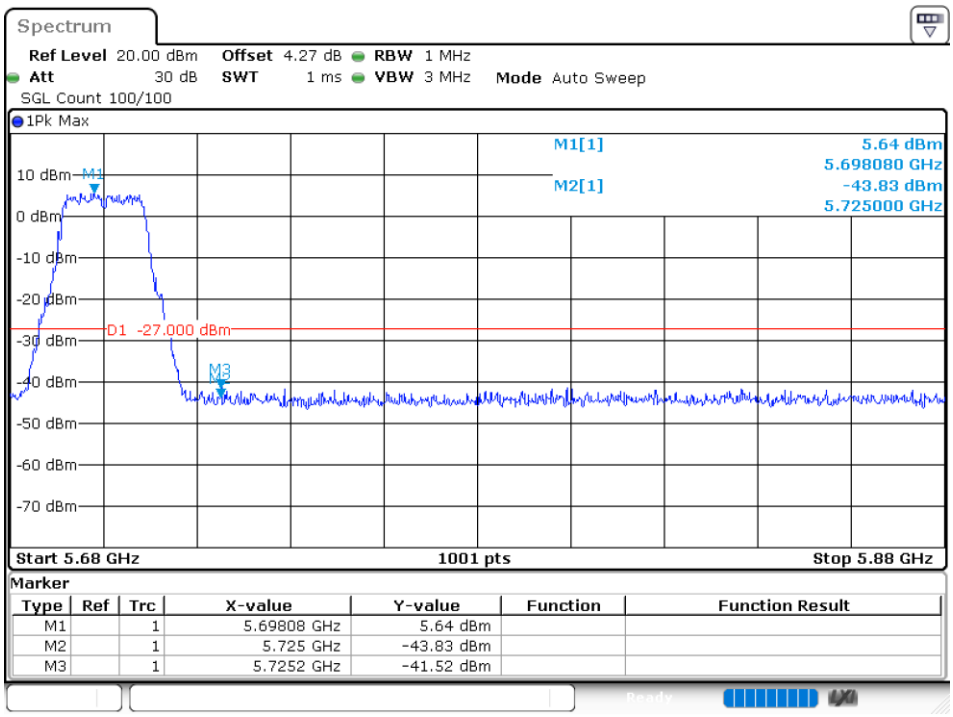
Band Edge NVNT a 5700MHz High Ant1



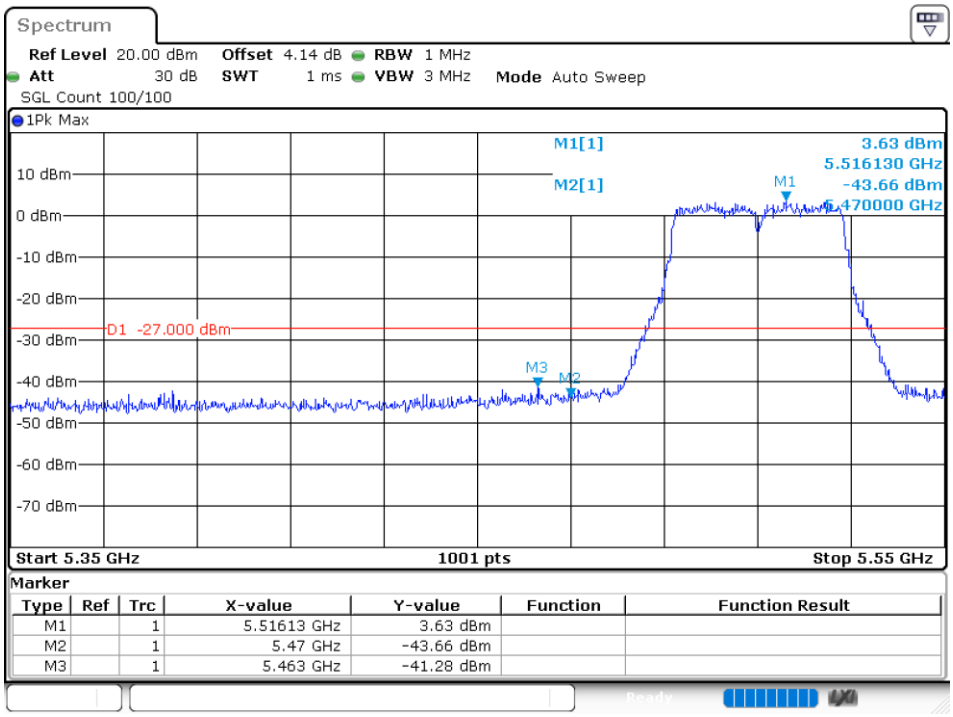
Band Edge NVNT n20 5500MHz Low Ant1



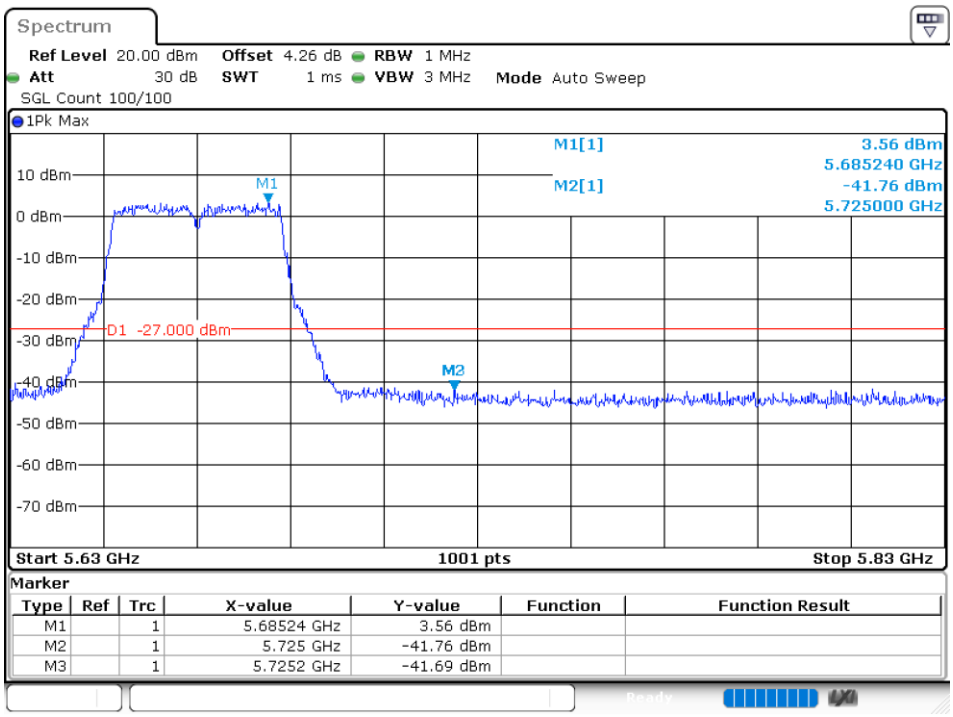
Band Edge NVNT n20 5700MHz High Ant1



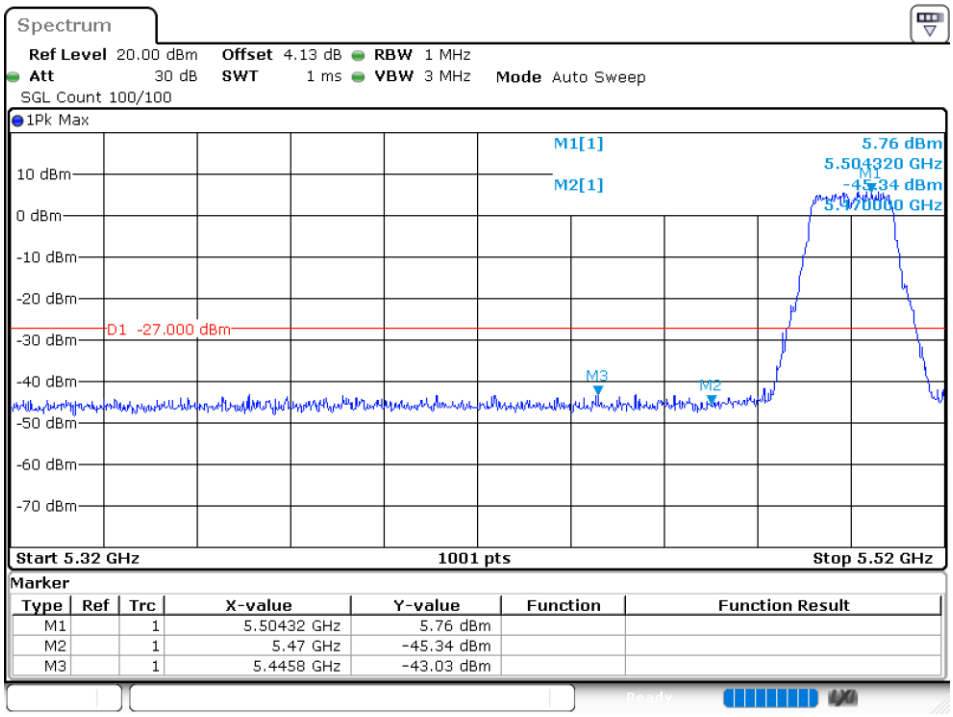
Band Edge NVNT n40 5510MHz Low Ant1



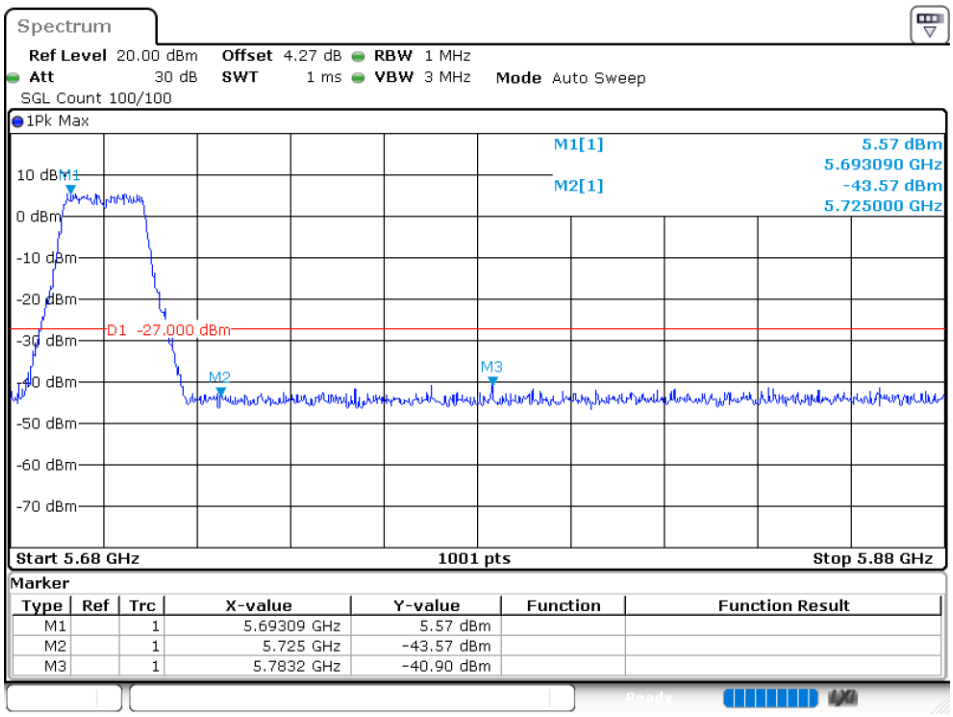
Band Edge NVNT n40 5670MHz High Ant1



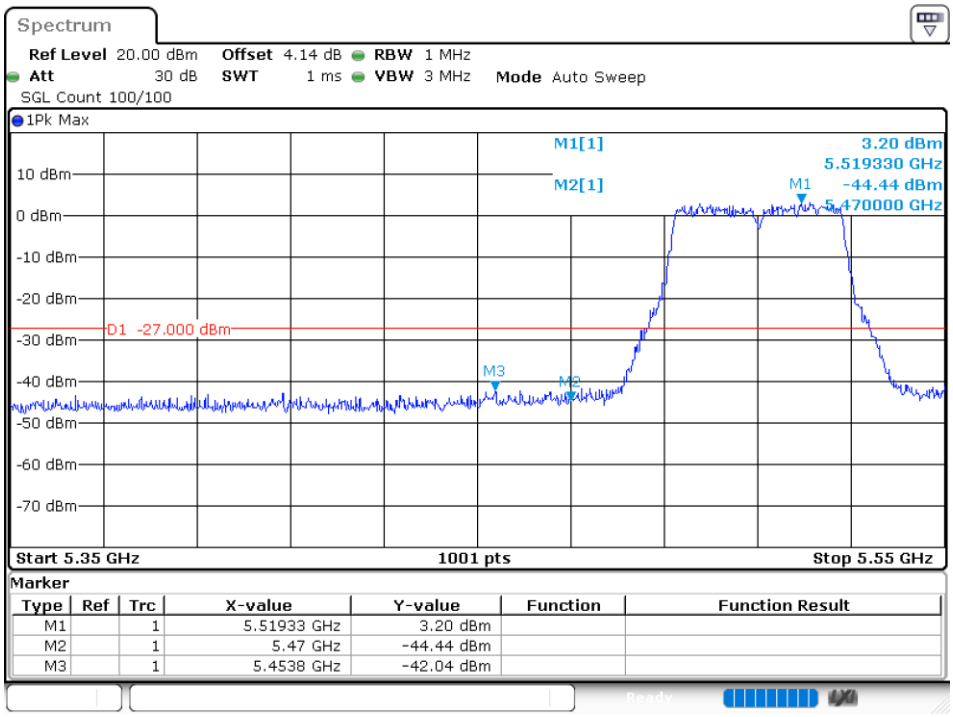
Band Edge NVNT ac20 5500MHz Low Ant1



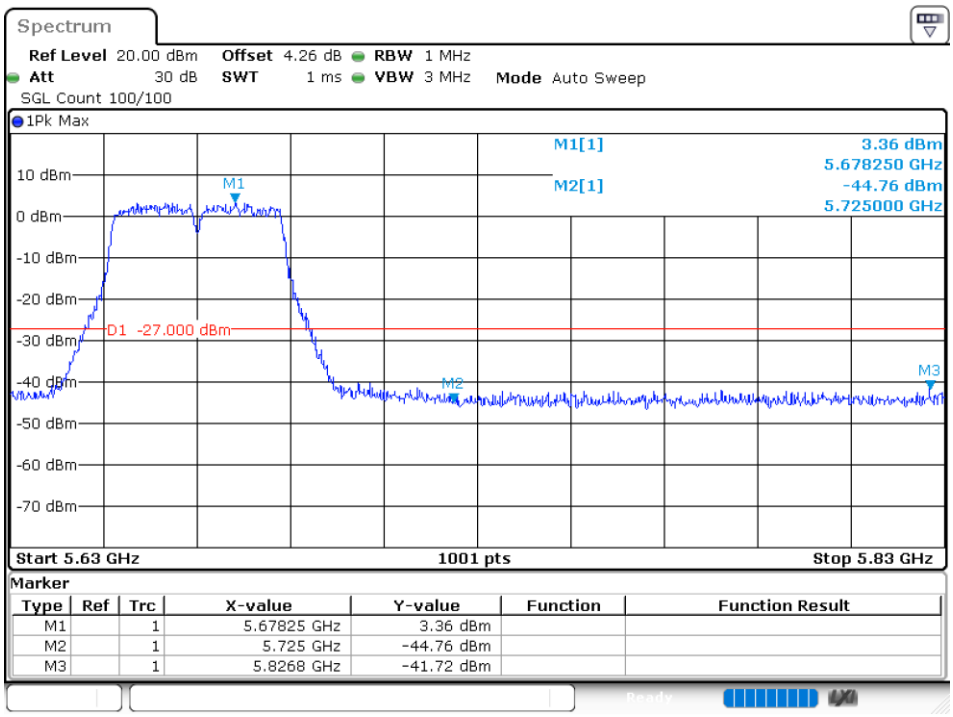
Band Edge NVNT ac20 5700MHz High Ant1



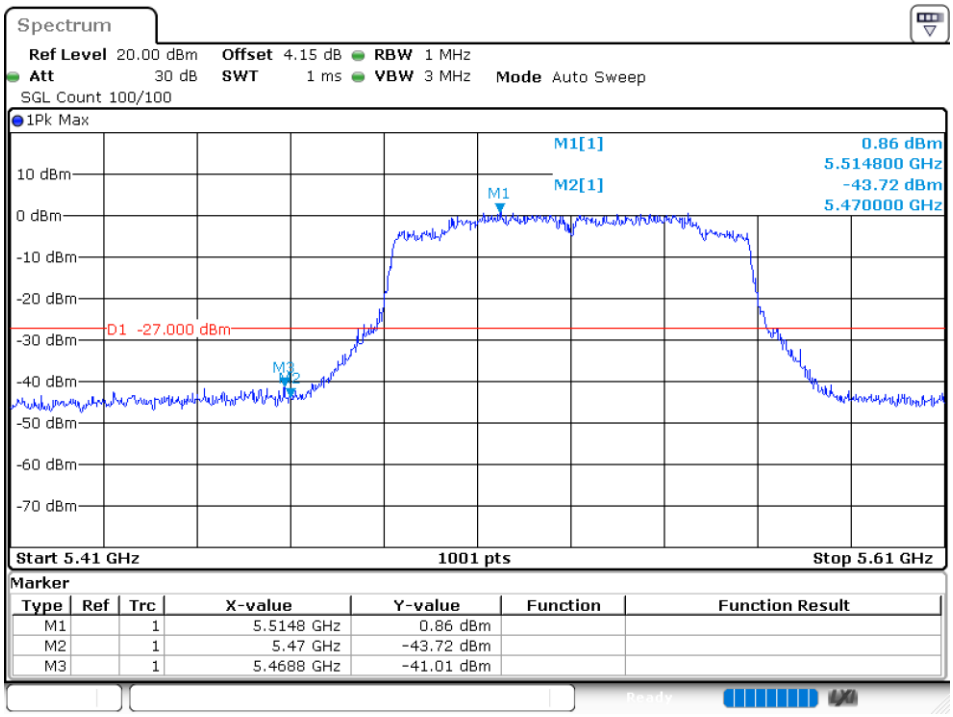
Band Edge NVNT ac40 5510MHz Low Ant1



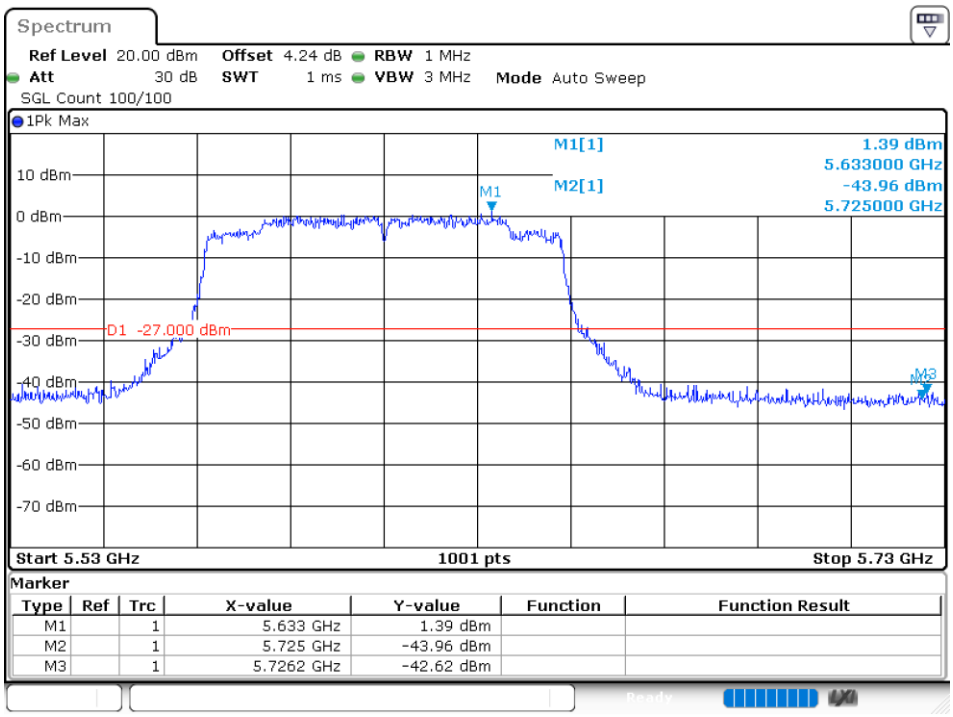
Band Edge NVNT ac40 5670MHz High Ant1



Band Edge NVNT ac80 5530MHz Low Ant1



Band Edge NVNT ac80 5610MHz High Ant1

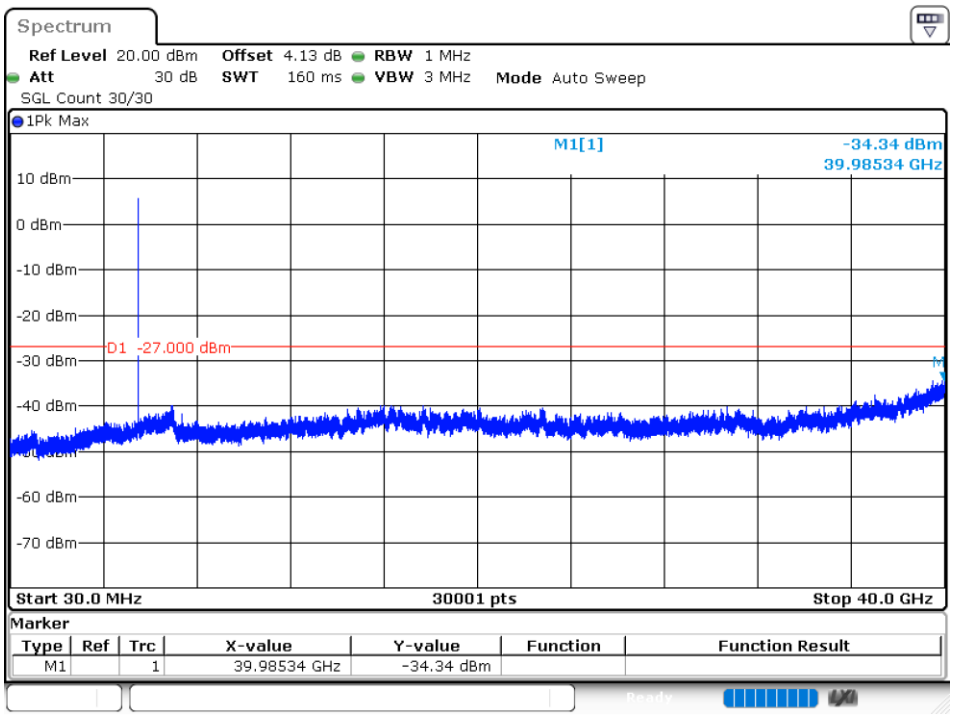


Conducted RF Spurious Emission

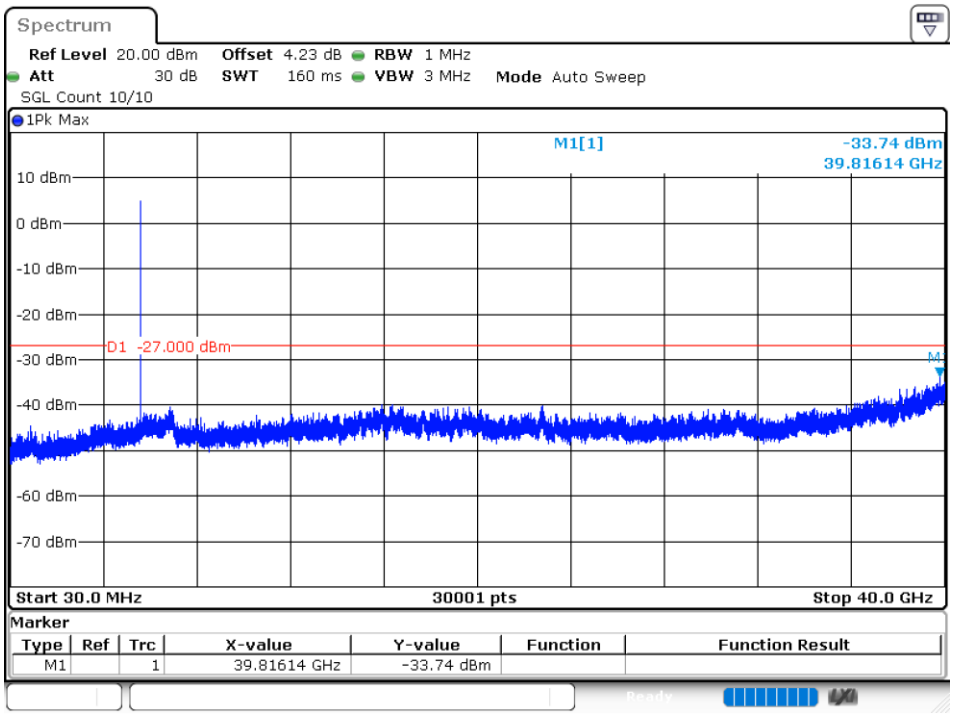
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-34.34	-27	Pass
NVNT	a	5600	Ant1	-33.73	-27	Pass
NVNT	a	5700	Ant1	-33.99	-27	Pass
NVNT	n20	5500	Ant1	-34.81	-27	Pass
NVNT	n20	5600	Ant1	-34.62	-27	Pass
NVNT	n20	5700	Ant1	-33.95	-27	Pass
NVNT	n40	5510	Ant1	-34.43	-27	Pass
NVNT	n40	5590	Ant1	-34.92	-27	Pass
NVNT	n40	5670	Ant1	-34.1	-27	Pass
NVNT	ac20	5500	Ant1	-34.64	-27	Pass
NVNT	ac20	5600	Ant1	-34.05	-27	Pass
NVNT	ac20	5700	Ant1	-34.18	-27	Pass
NVNT	ac40	5510	Ant1	-35.23	-27	Pass
NVNT	ac40	5590	Ant1	-34.9	-27	Pass
NVNT	ac40	5670	Ant1	-34.21	-27	Pass
NVNT	ac80	5530	Ant1	-34.61	-27	Pass
NVNT	ac80	5610	Ant1	-35.22	-27	Pass

Test Graphs

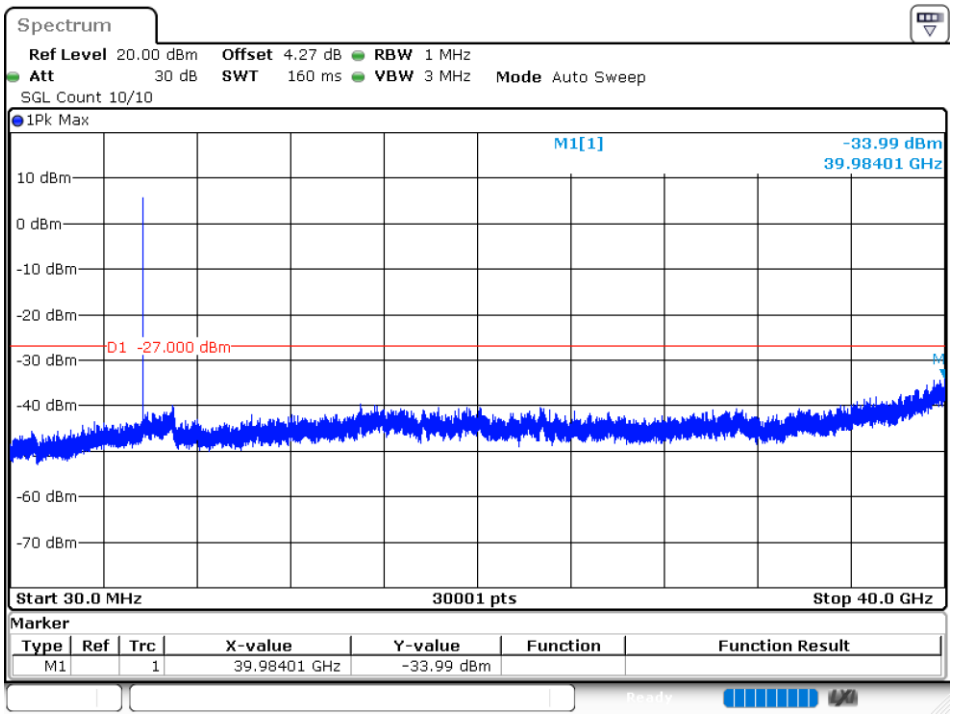
Tx. Spurious NVNT a 5500MHz Ant1 Emission



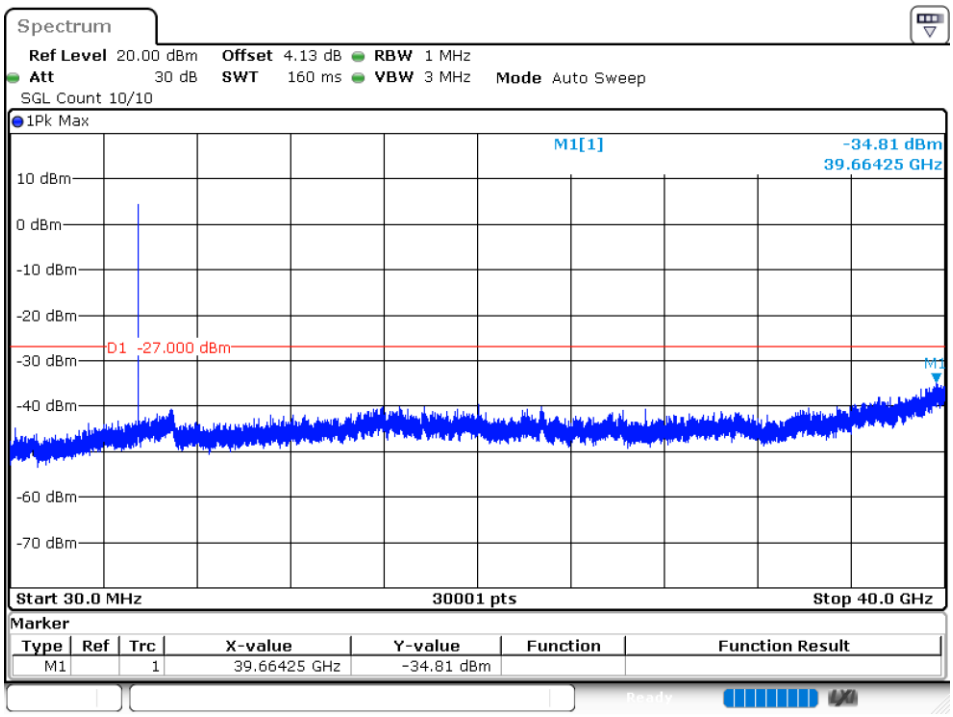
Tx. Spurious NVNT a 5600MHz Ant1 Emission



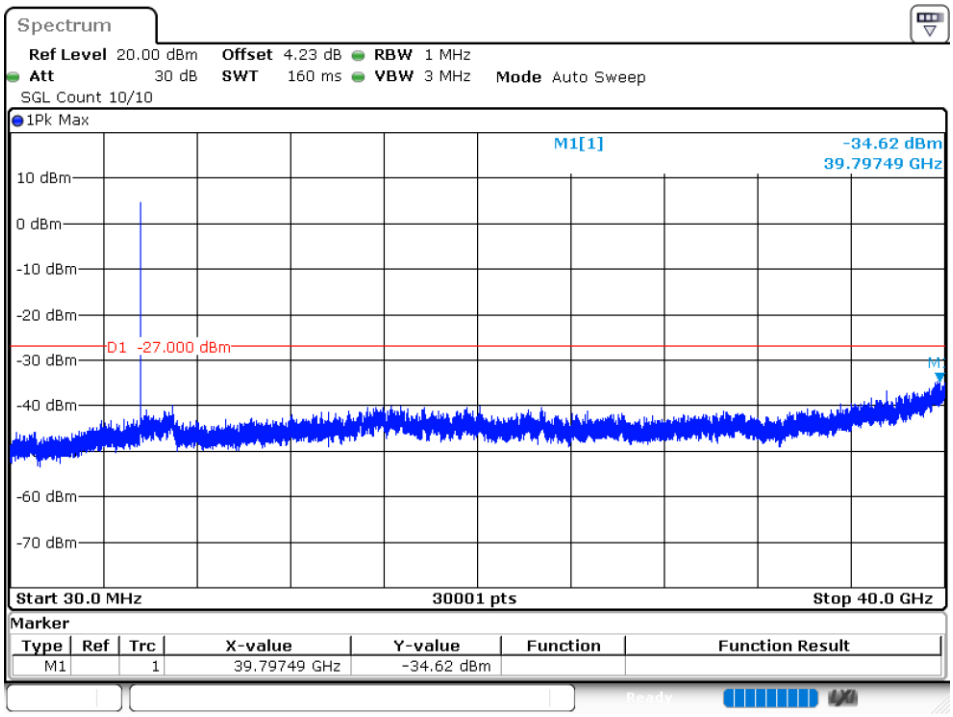
Tx. Spurious NVNT a 5700MHz Ant1 Emission



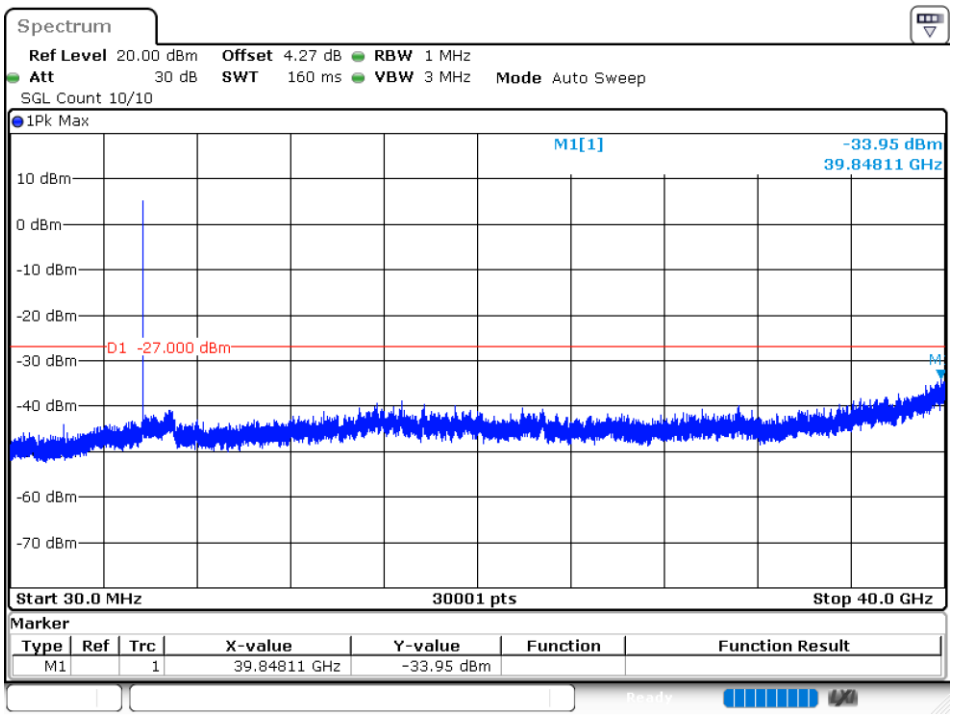
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



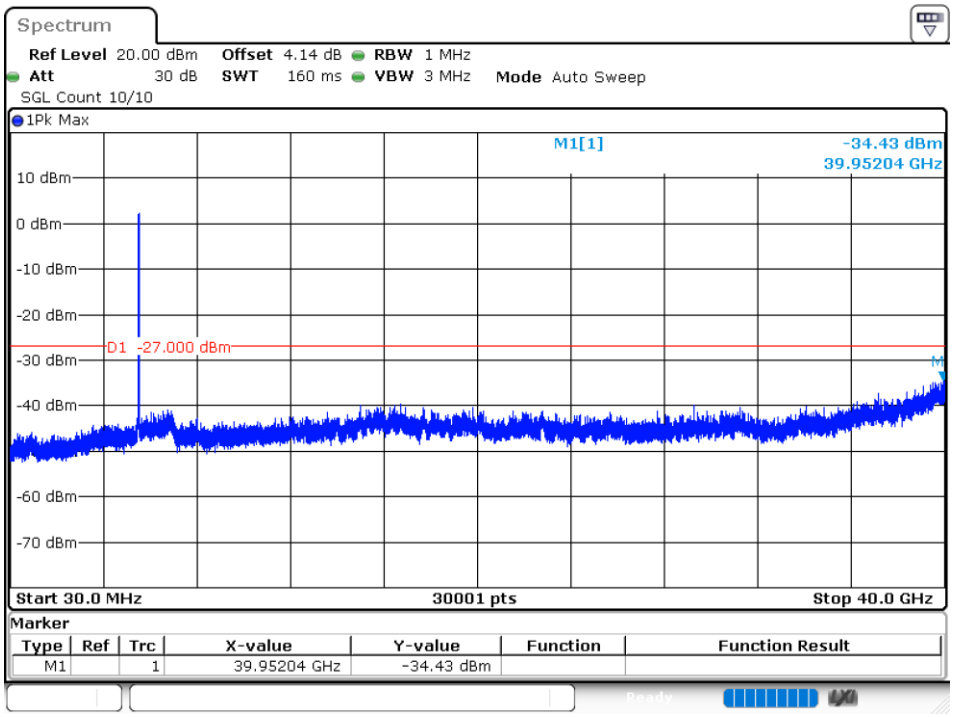
Tx. Spurious NVNT n20 5600MHz Ant1 Emission



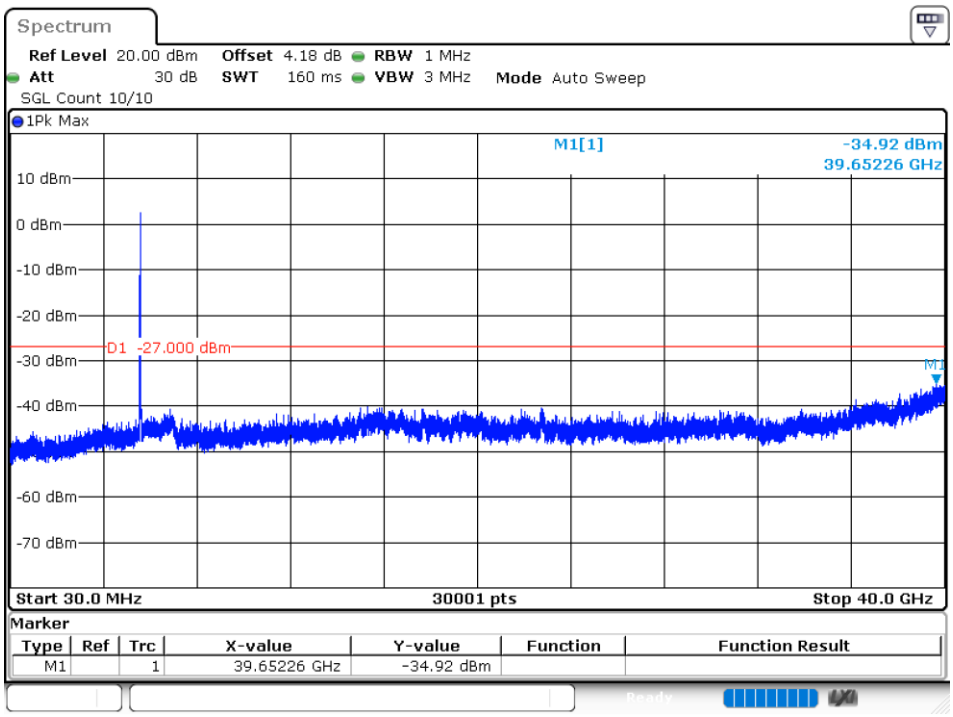
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



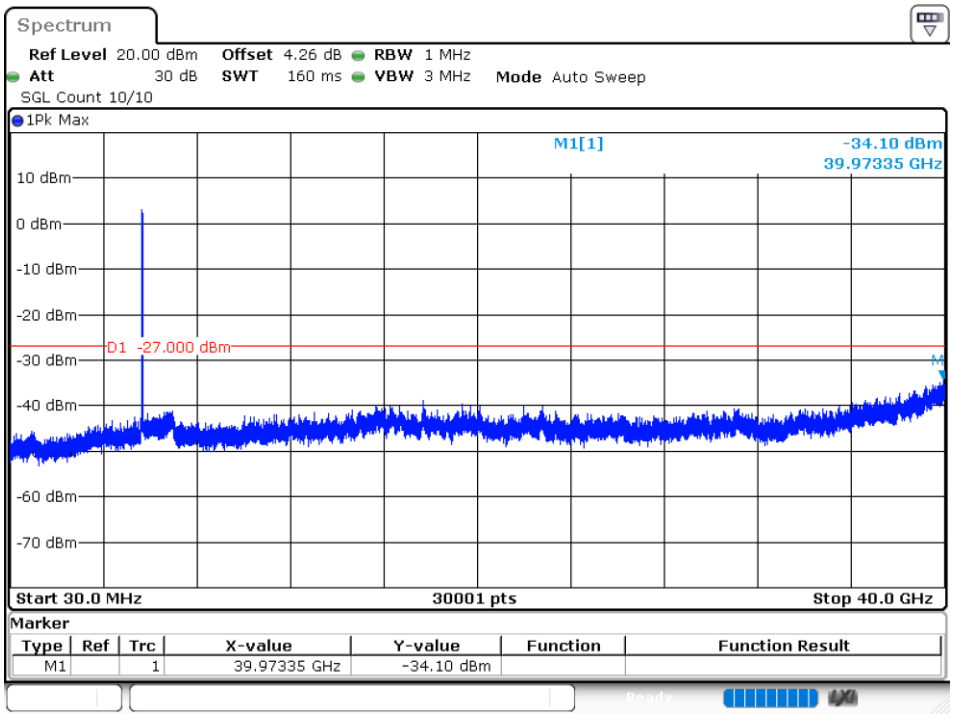
Tx. Spurious NVNT n40 5510MHz Ant1 Emission



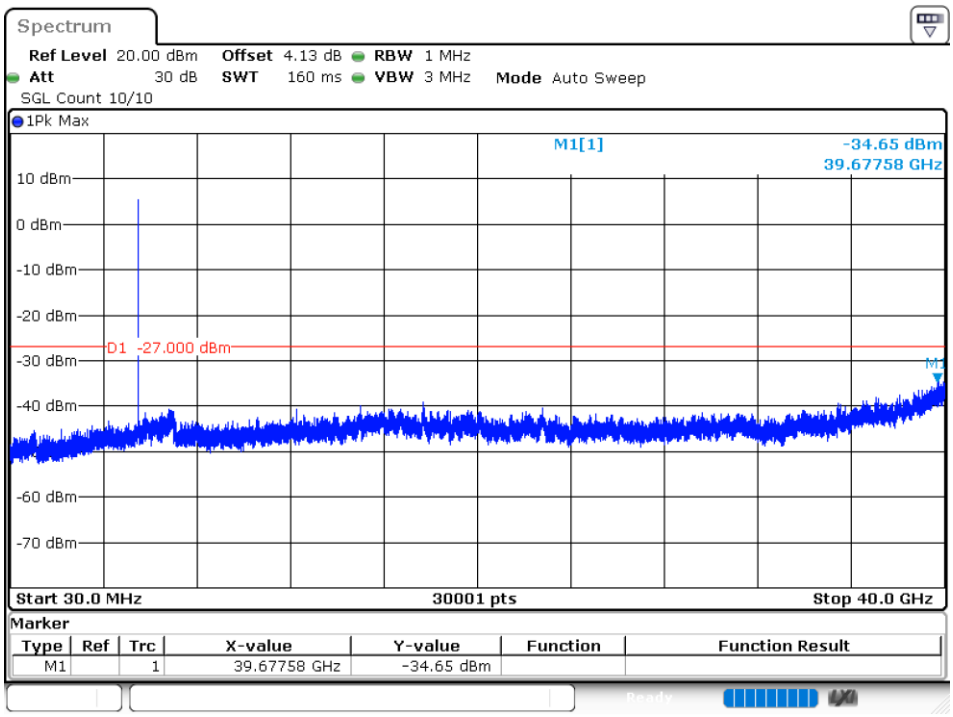
Tx. Spurious NVNT n40 5590MHz Ant1 Emission



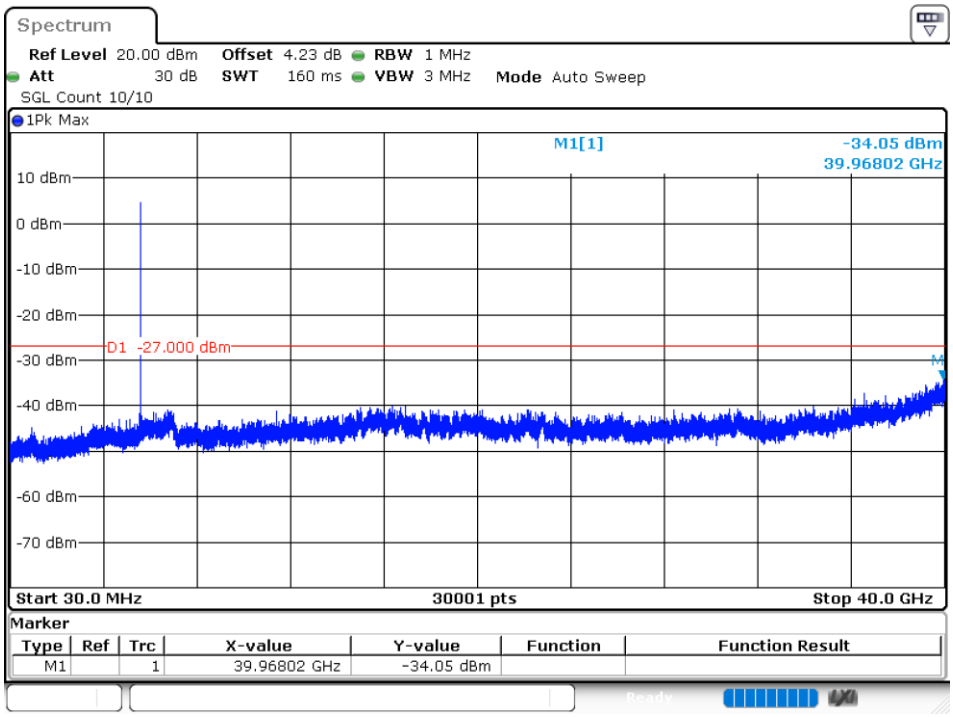
Tx. Spurious NVNT n40 5670MHz Ant1 Emission



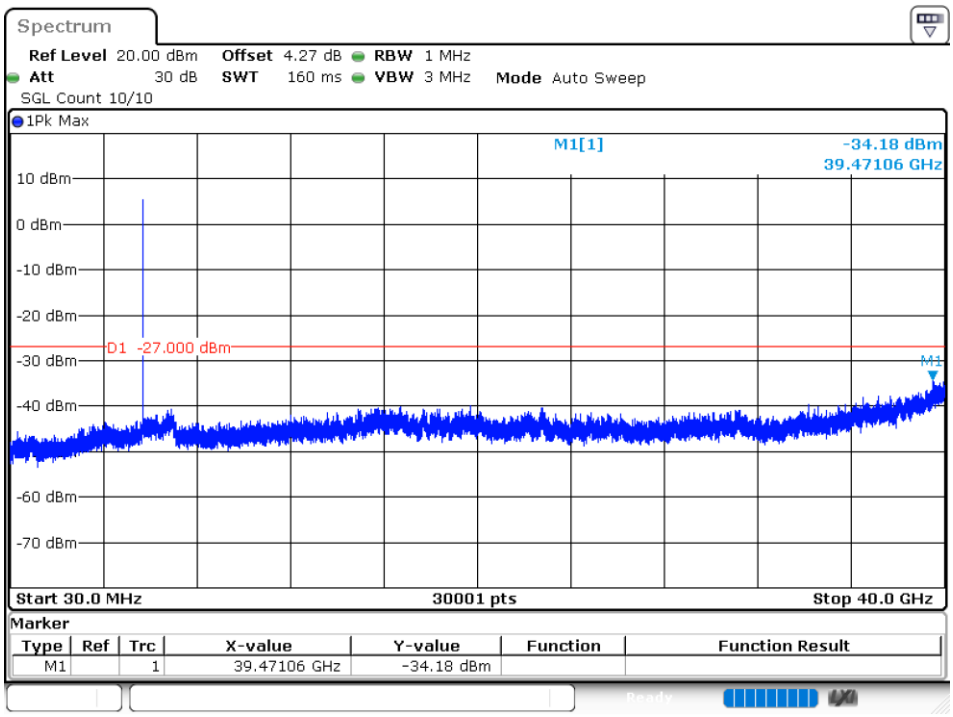
Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



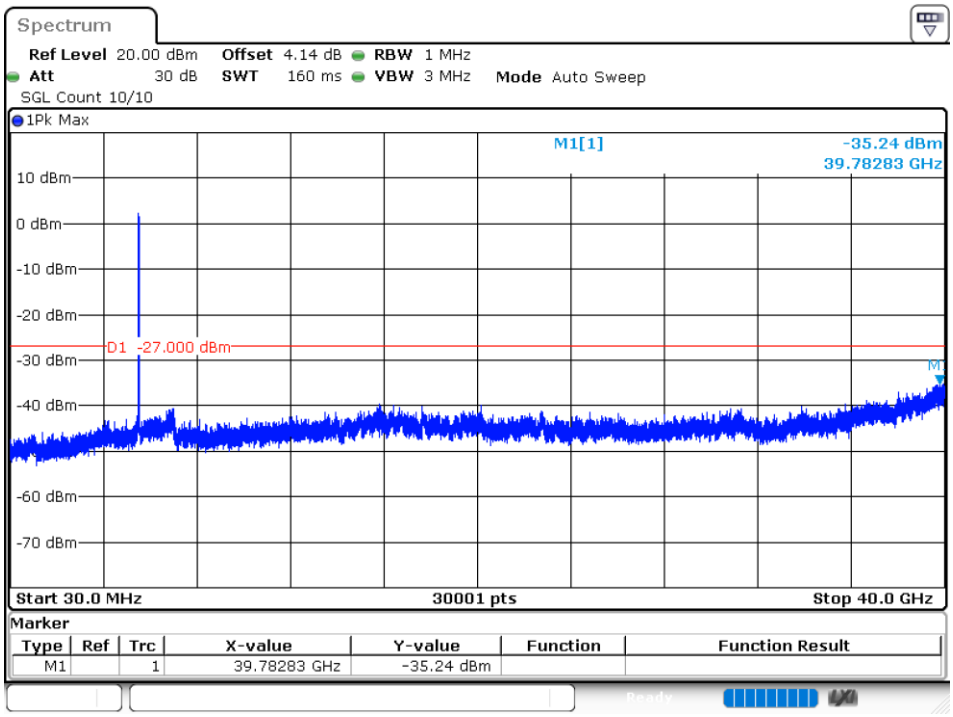
Tx. Spurious NVNT ac20 5600MHz Ant1 Emission



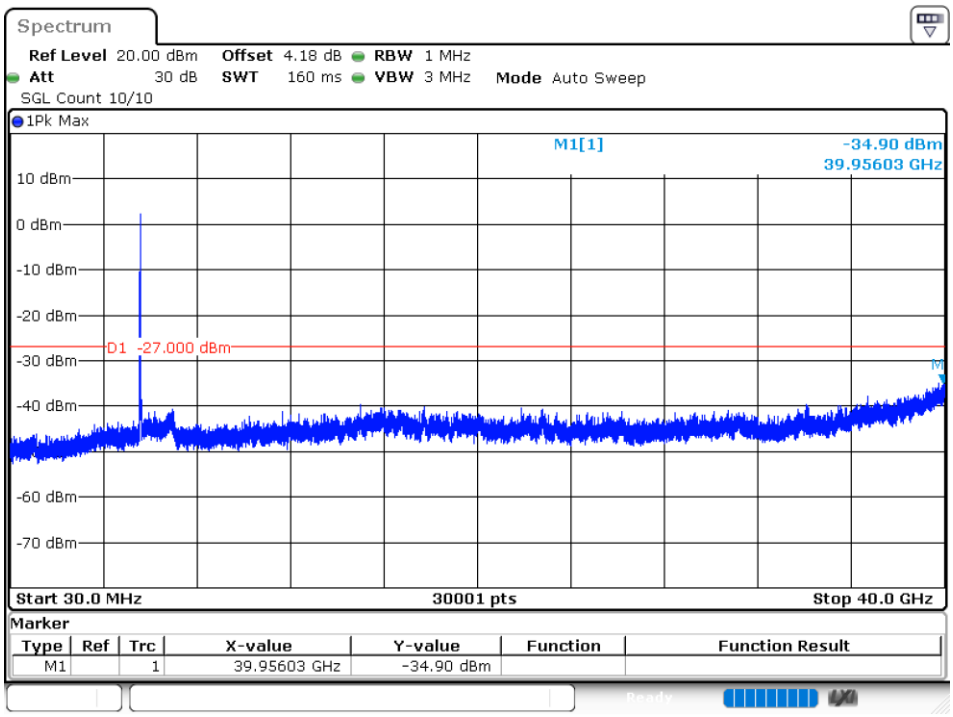
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



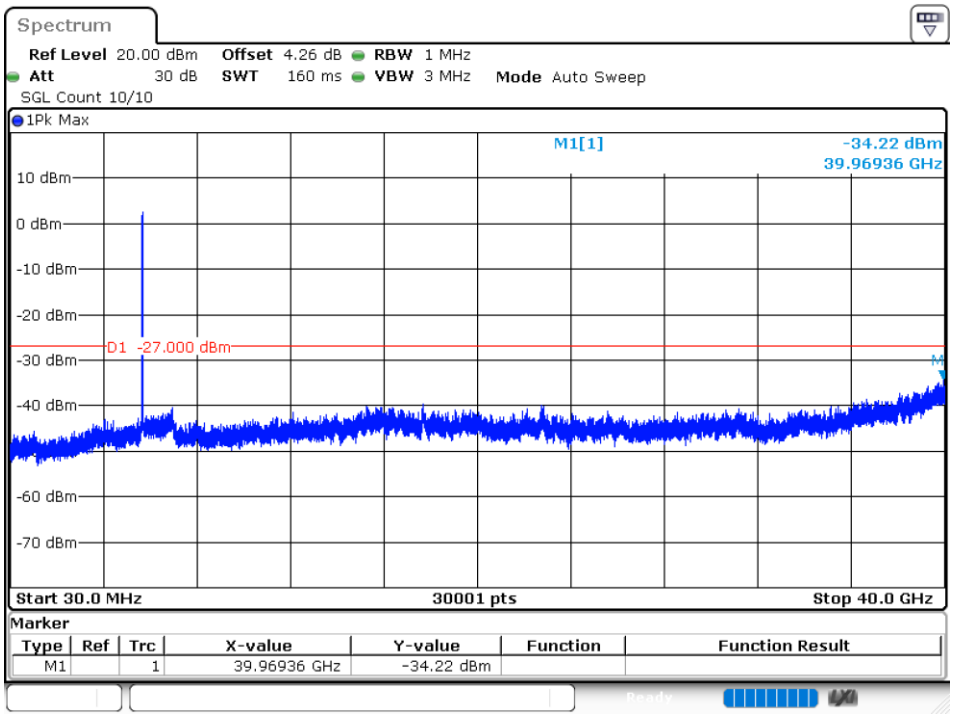
Tx. Spurious NVNT ac40 5510MHz Ant1 Emission



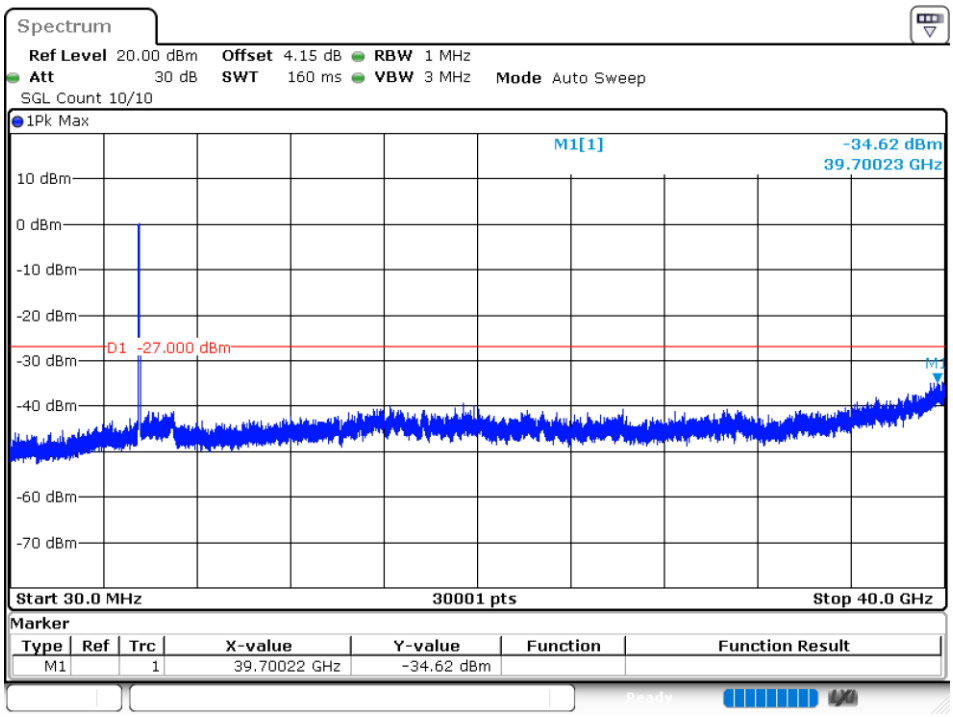
Tx. Spurious NVNT ac40 5590MHz Ant1 Emission



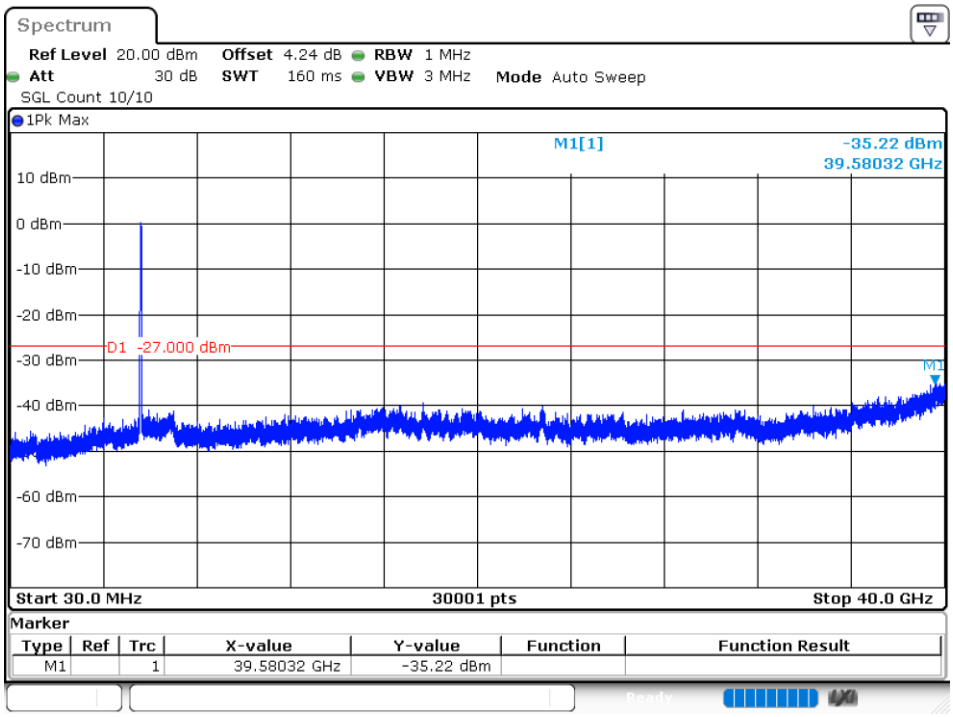
Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



Tx. Spurious NVNT ac80 5530MHz Ant1 Emission



Tx. Spurious NVNT ac80 5610MHz Ant1 Emission



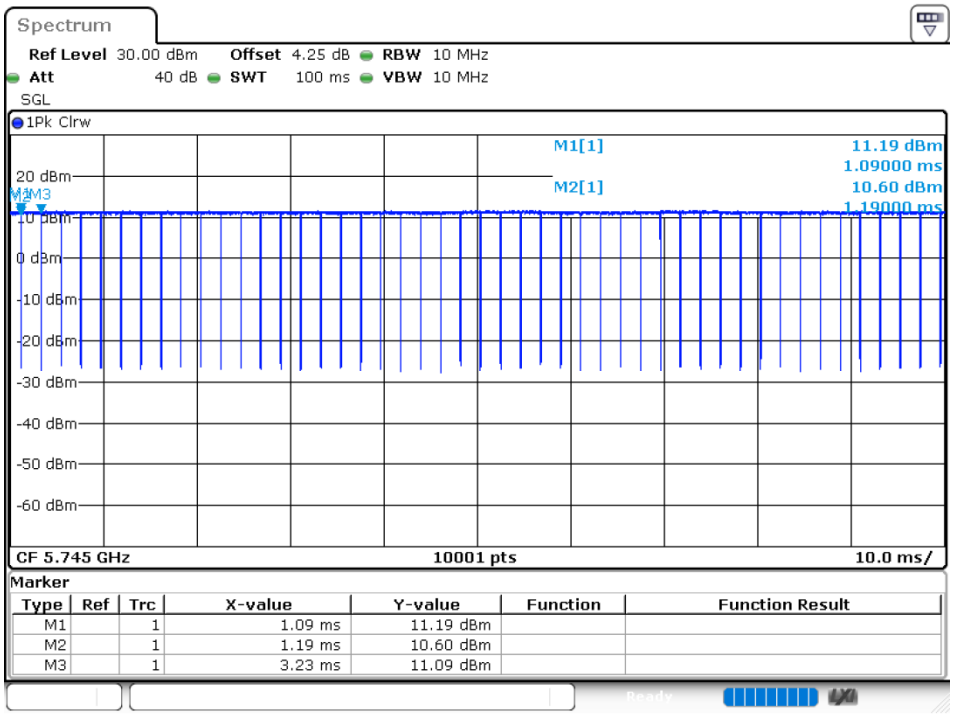
5.8G WIFI:

Duty Cycle

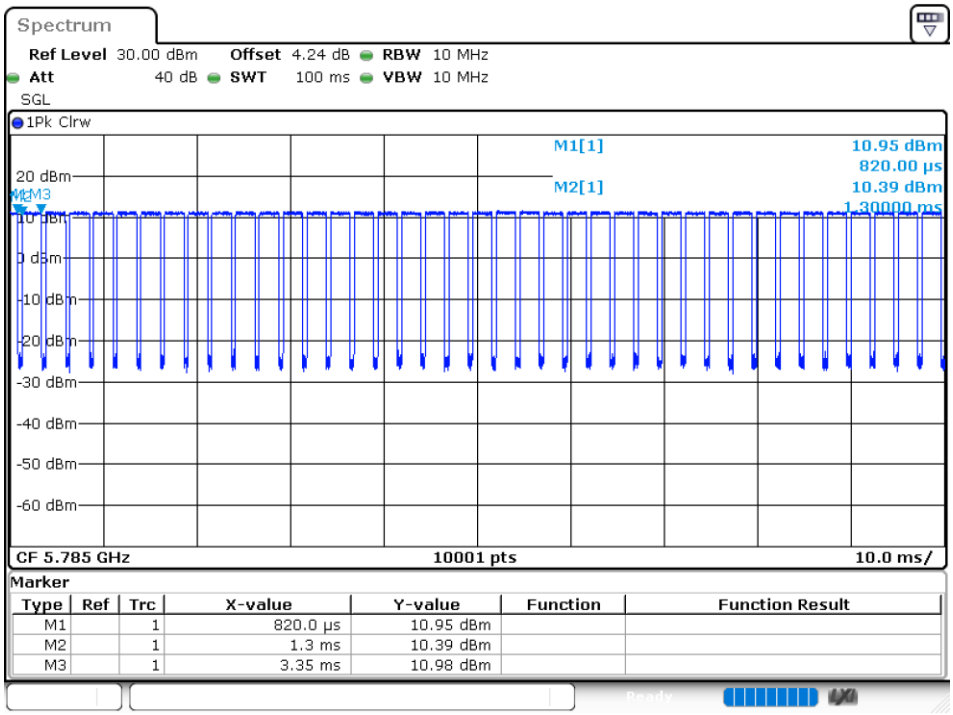
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	96.2	0.17	0.49
NVNT	a	5785	Ant1	81.07	0.91	0.49
NVNT	a	5825	Ant1	96.22	0.17	0.49
NVNT	n20	5745	Ant1	96.19	0.17	0.52
NVNT	n20	5785	Ant1	96.19	0.17	0.53
NVNT	n20	5825	Ant1	96.21	0.17	0.52
NVNT	n40	5755	Ant1	96.31	0.16	1.06
NVNT	n40	5795	Ant1	96.35	0.16	1.06
NVNT	ac20	5745	Ant1	96.21	0.17	0.52
NVNT	ac20	5785	Ant1	96.18	0.17	0.52
NVNT	ac20	5825	Ant1	96.2	0.17	0.52
NVNT	ac40	5755	Ant1	96.49	0.16	1.06
NVNT	ac40	5795	Ant1	95.96	0.18	1.06
NVNT	ac80	5775	Ant1	94.53	0.24	2.17

Test Graphs

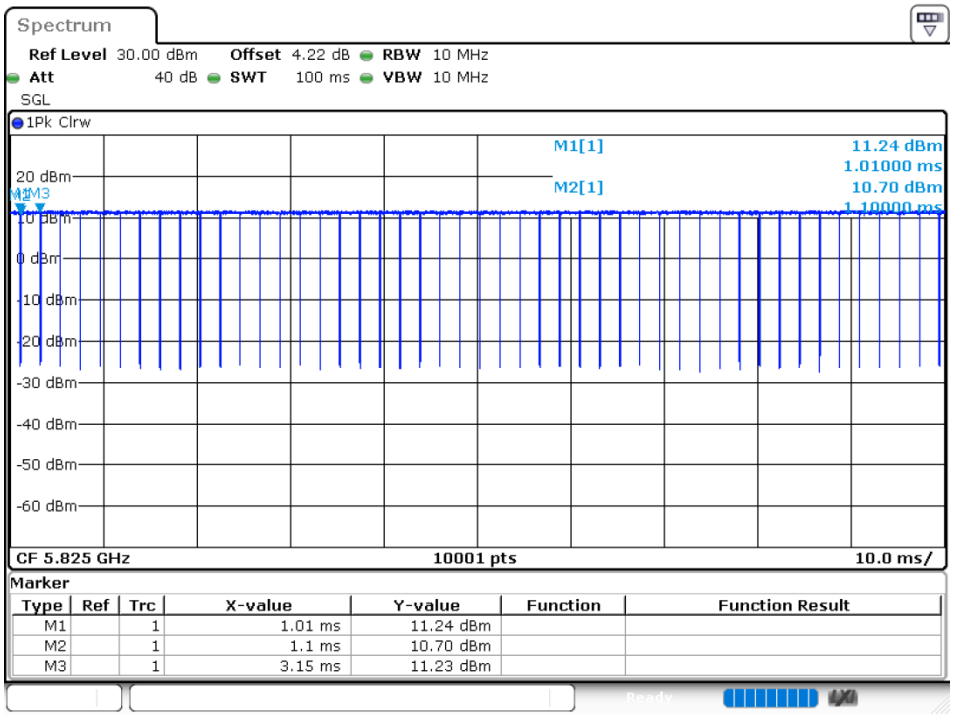
Duty Cycle NVNT a 5745MHz Ant1



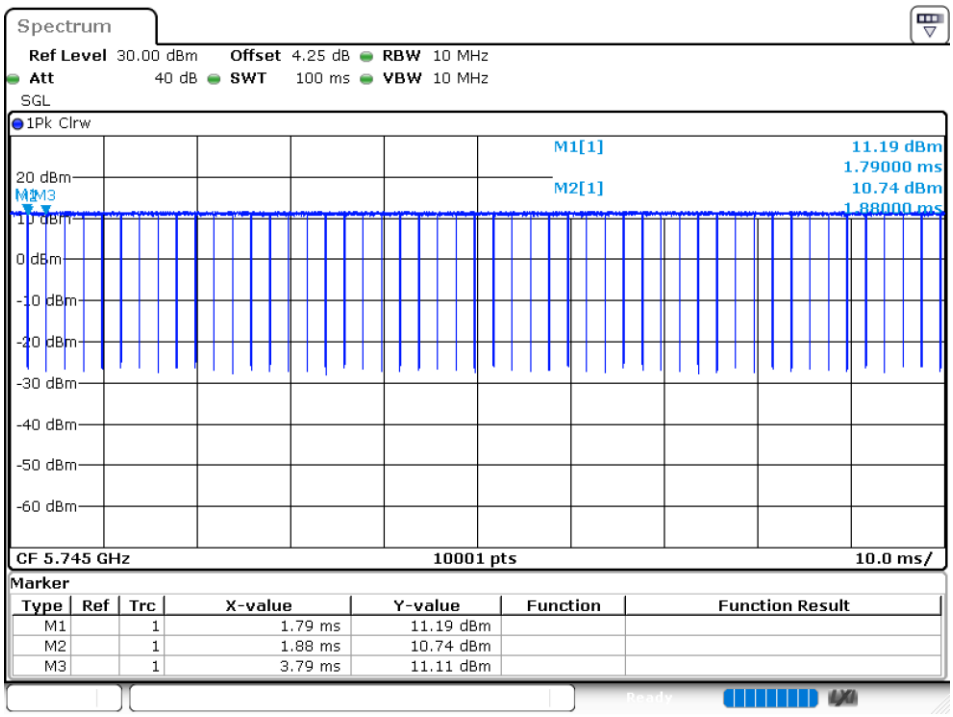
Duty Cycle NVNT a 5785MHz Ant1



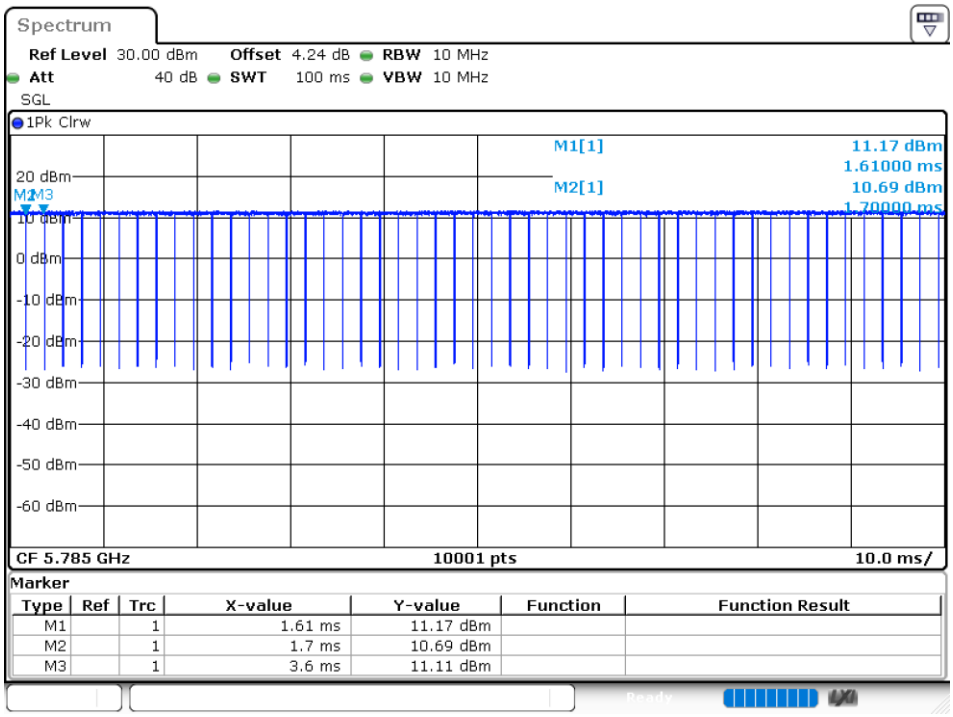
Duty Cycle NVNT a 5825MHz Ant1



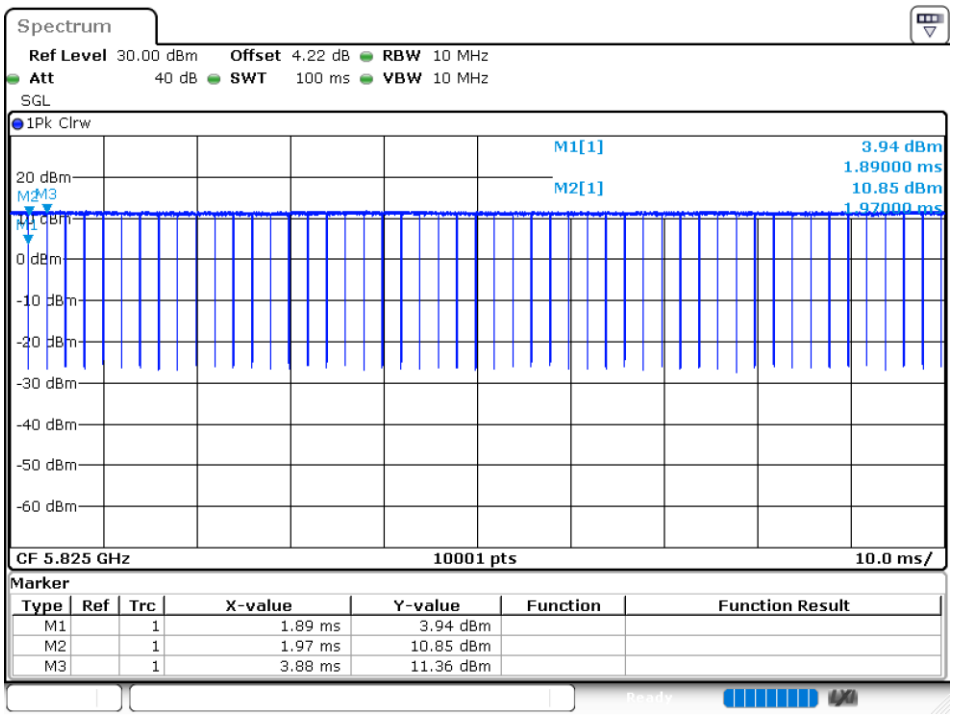
Duty Cycle NVNT n20 5745MHz Ant1



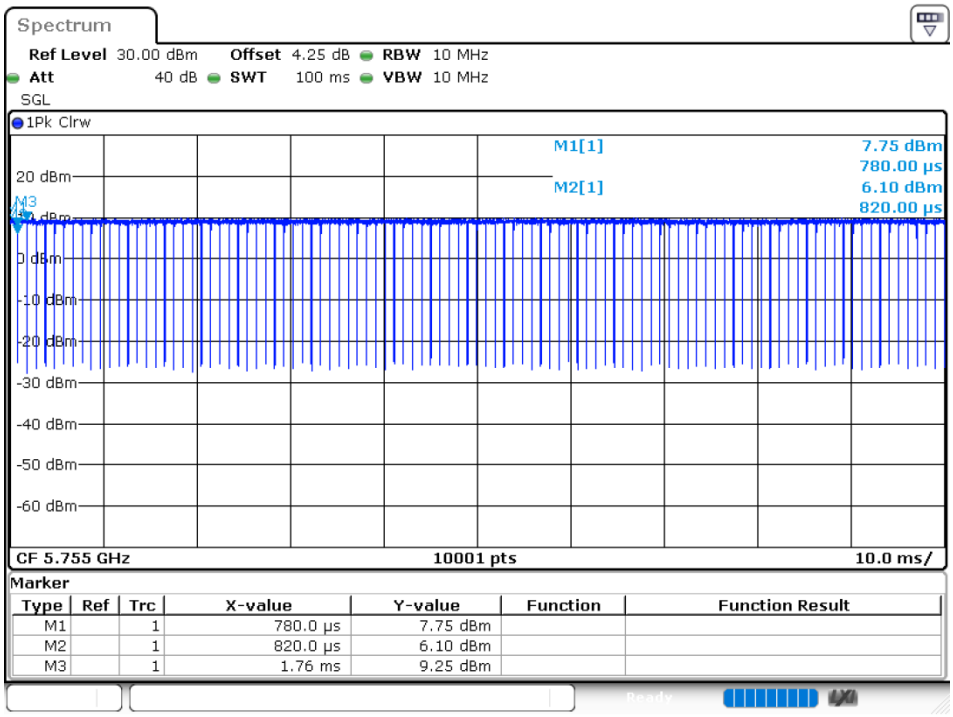
Duty Cycle NVNT n20 5785MHz Ant1



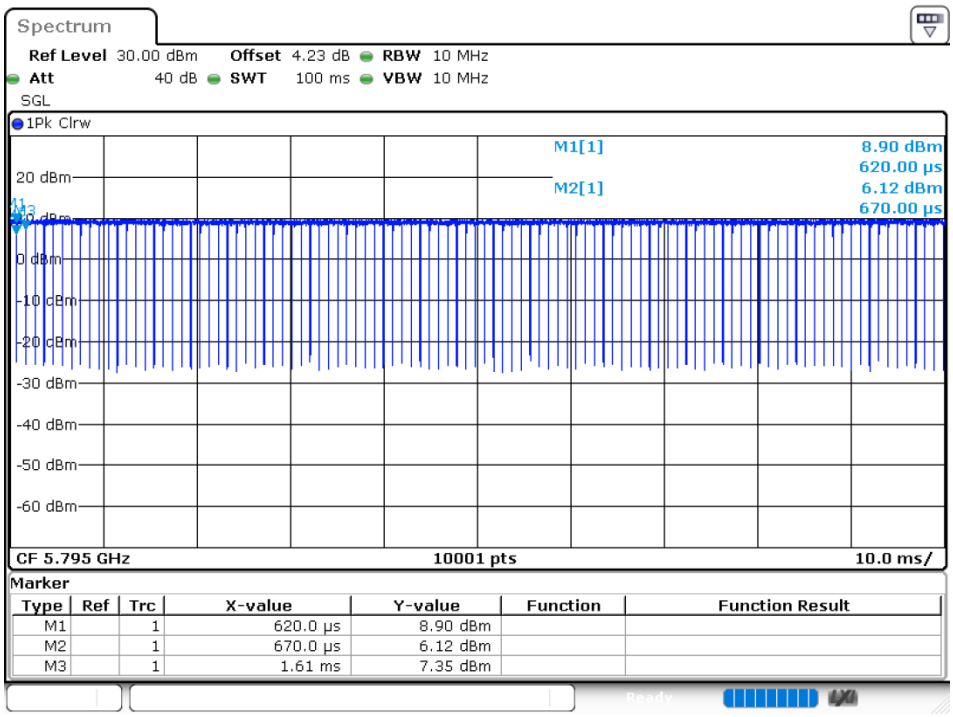
Duty Cycle NVNT n20 5825MHz Ant1



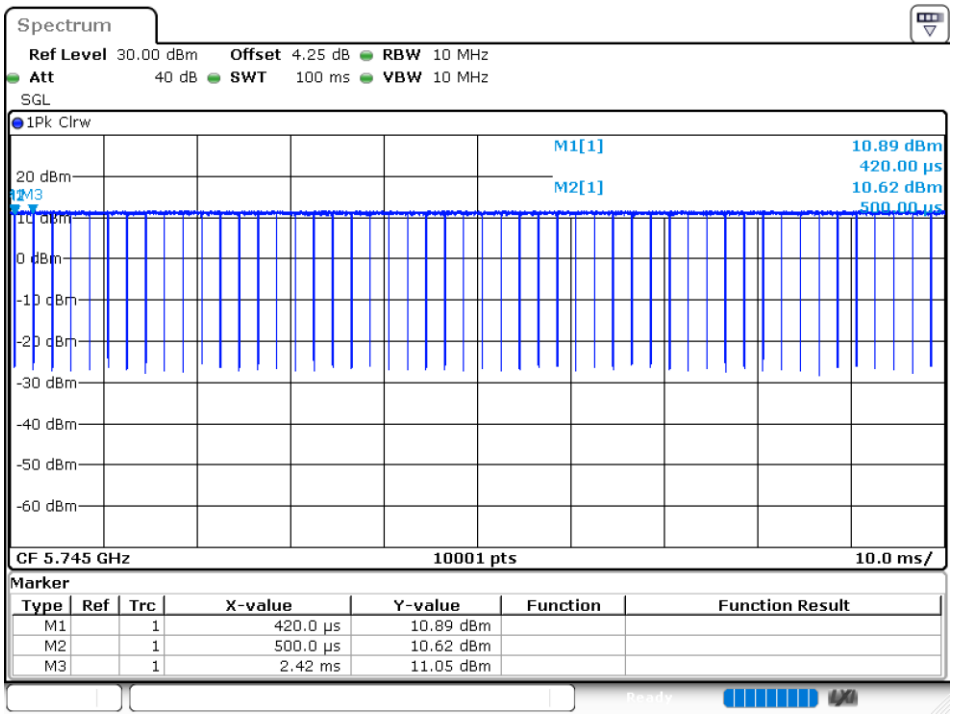
Duty Cycle NVNT n40 5755MHz Ant1



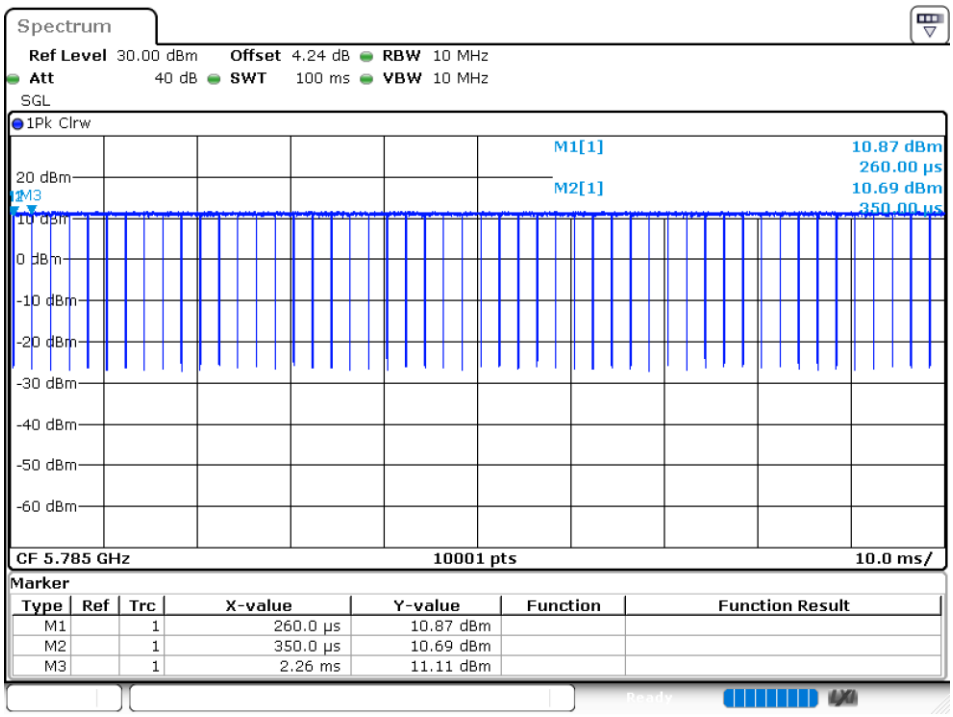
Duty Cycle NVNT n40 5795MHz Ant1



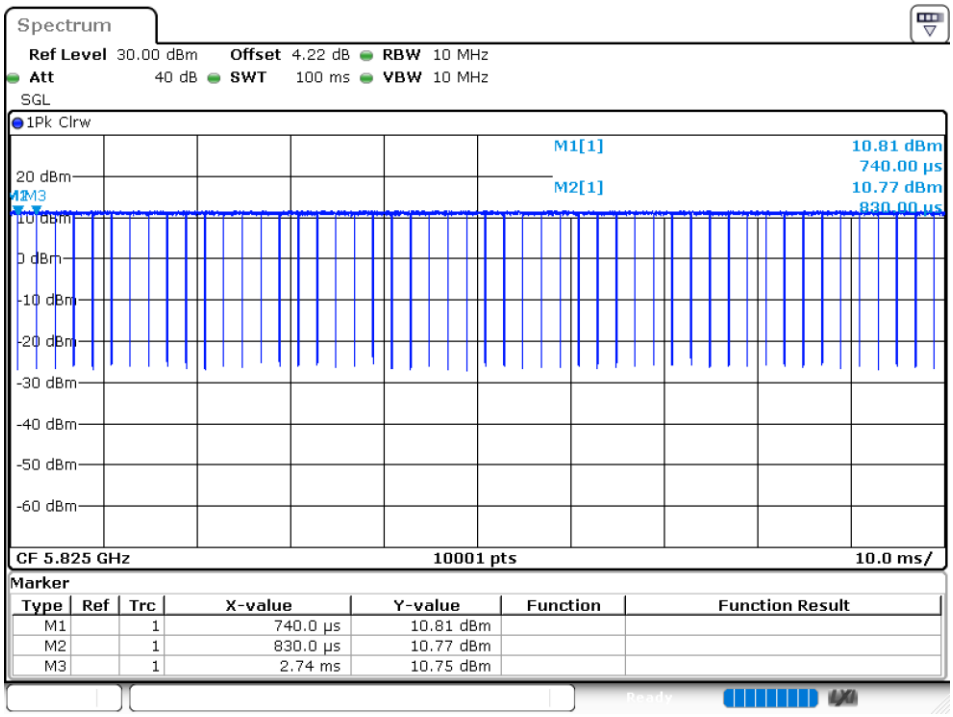
Duty Cycle NVNT ac20 5745MHz Ant1



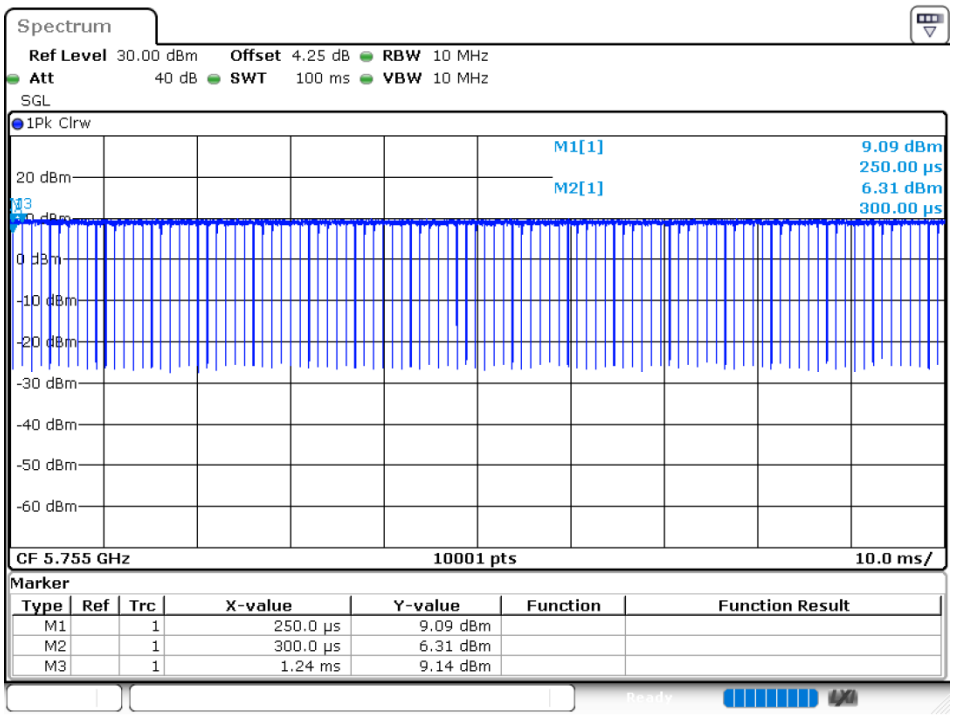
Duty Cycle NVNT ac20 5785MHz Ant1



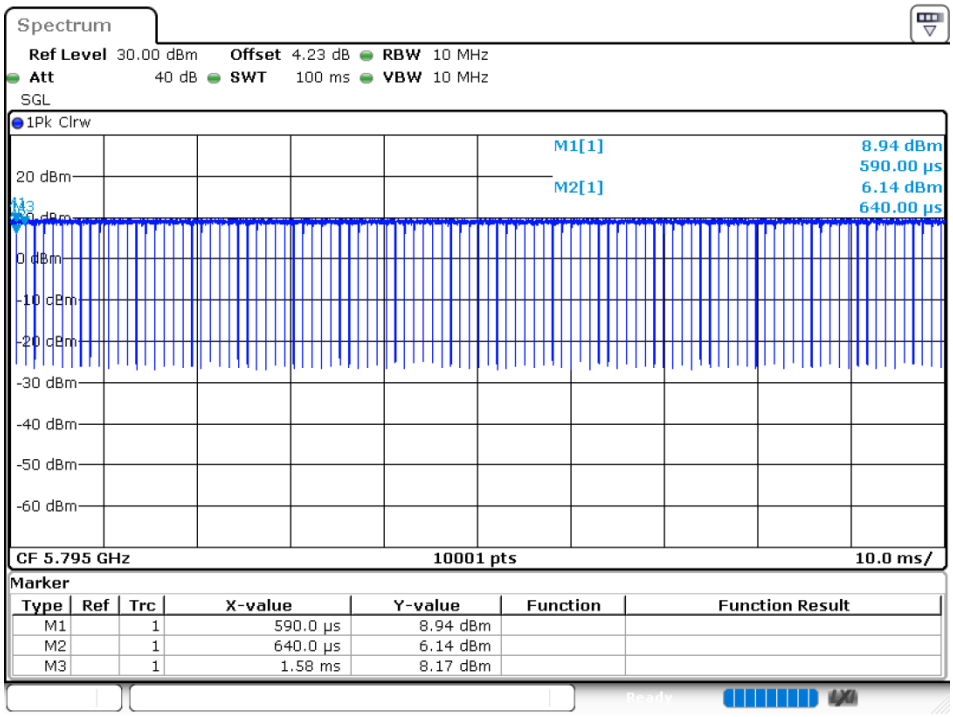
Duty Cycle NVNT ac20 5825MHz Ant1



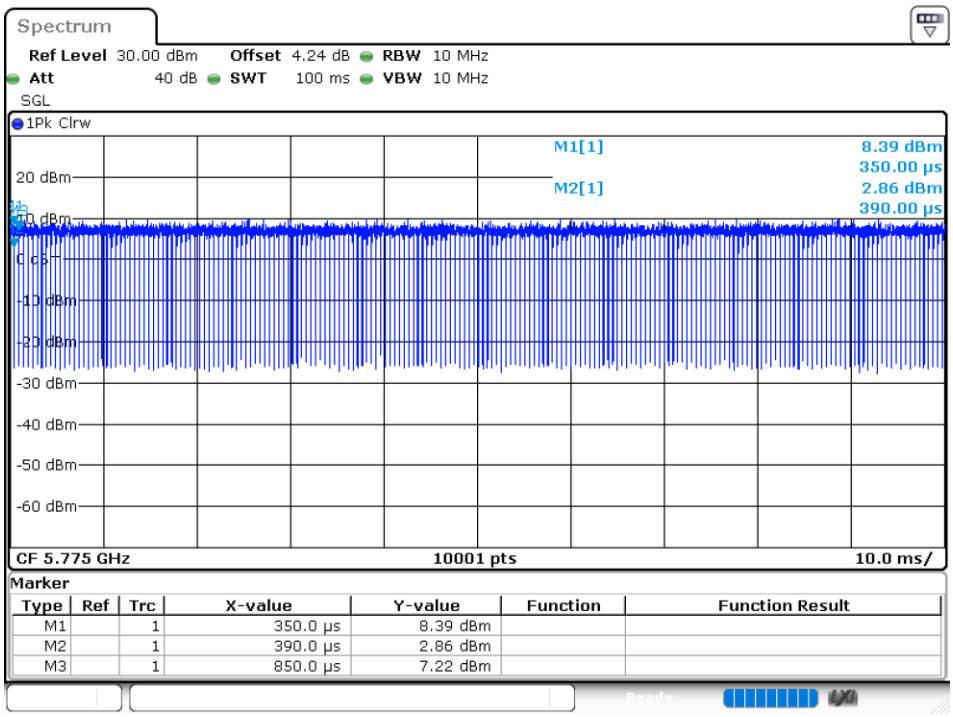
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



Maximum Conducted Output Power

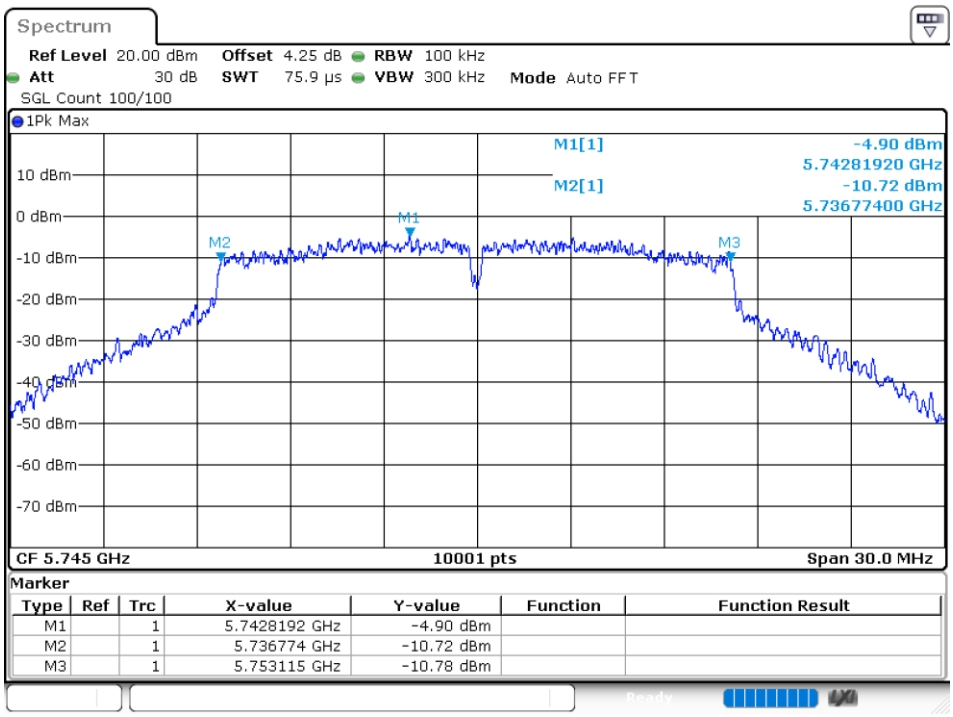
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.95	0.17	10.12	30	Pass
NVNT	a	5785	Ant1	9.8	0.91	10.71	30	Pass
NVNT	a	5825	Ant1	10.1	0.17	10.27	30	Pass
NVNT	n20	5745	Ant1	9.81	0.17	9.98	30	Pass
NVNT	n20	5785	Ant1	9.89	0.17	10.06	30	Pass
NVNT	n20	5825	Ant1	9.98	0.17	10.15	30	Pass
NVNT	n40	5755	Ant1	10.38	0.16	10.54	30	Pass
NVNT	n40	5795	Ant1	10.38	0.16	10.54	30	Pass
NVNT	ac20	5745	Ant1	9.81	0.17	9.98	30	Pass
NVNT	ac20	5785	Ant1	9.96	0.17	10.13	30	Pass
NVNT	ac20	5825	Ant1	9.94	0.17	10.11	30	Pass
NVNT	ac40	5755	Ant1	10.34	0.16	10.5	30	Pass
NVNT	ac40	5795	Ant1	10.39	0.18	10.57	30	Pass
NVNT	ac80	5775	Ant1	10.27	0.24	10.51	30	Pass

-6dB Bandwidth

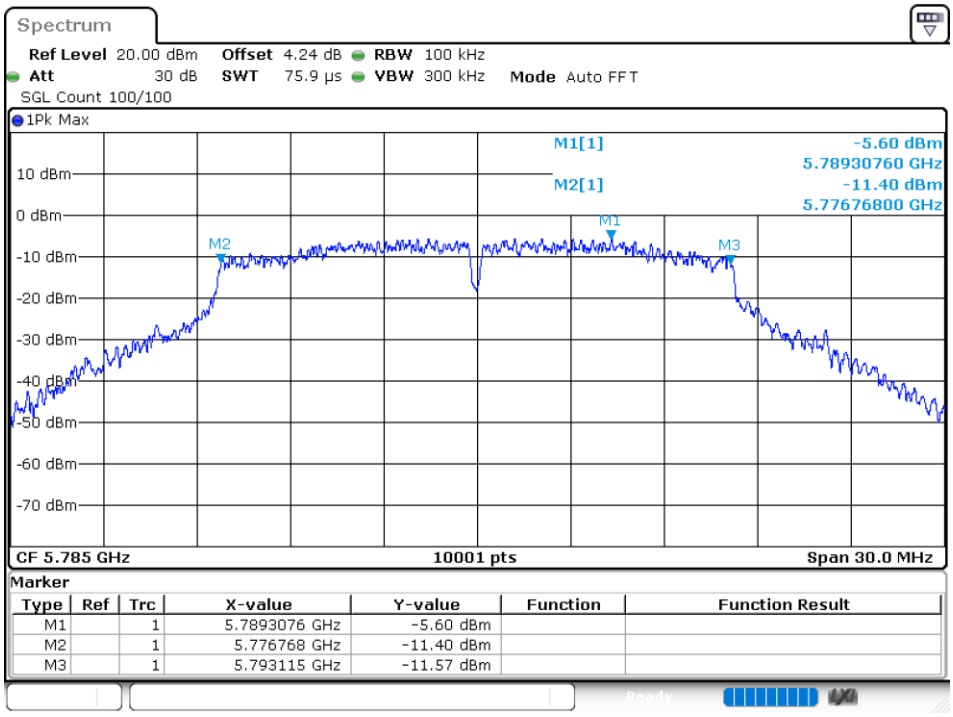
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.341	0.5	Pass
NVNT	a	5785	Ant1	16.347	0.5	Pass
NVNT	a	5825	Ant1	13.791	0.5	Pass
NVNT	n20	5745	Ant1	15.912	0.5	Pass
NVNT	n20	5785	Ant1	17.571	0.5	Pass
NVNT	n20	5825	Ant1	17.589	0.5	Pass
NVNT	n40	5755	Ant1	35.058	0.5	Pass
NVNT	n40	5795	Ant1	35.052	0.5	Pass
NVNT	ac20	5745	Ant1	12.567	0.5	Pass
NVNT	ac20	5785	Ant1	17.583	0.5	Pass
NVNT	ac20	5825	Ant1	11.349	0.5	Pass
NVNT	ac40	5755	Ant1	30.09	0.5	Pass
NVNT	ac40	5795	Ant1	35.07	0.5	Pass
NVNT	ac80	5775	Ant1	71.328	0.5	Pass

Test Graphs

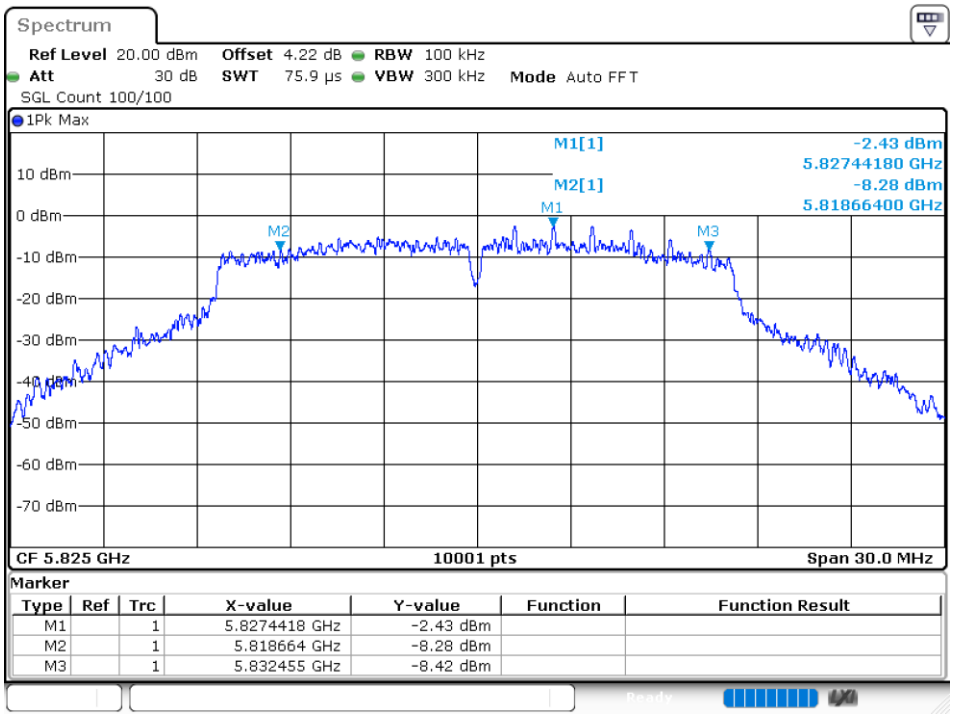
-6dB Bandwidth NVNT a 5745MHz Ant1



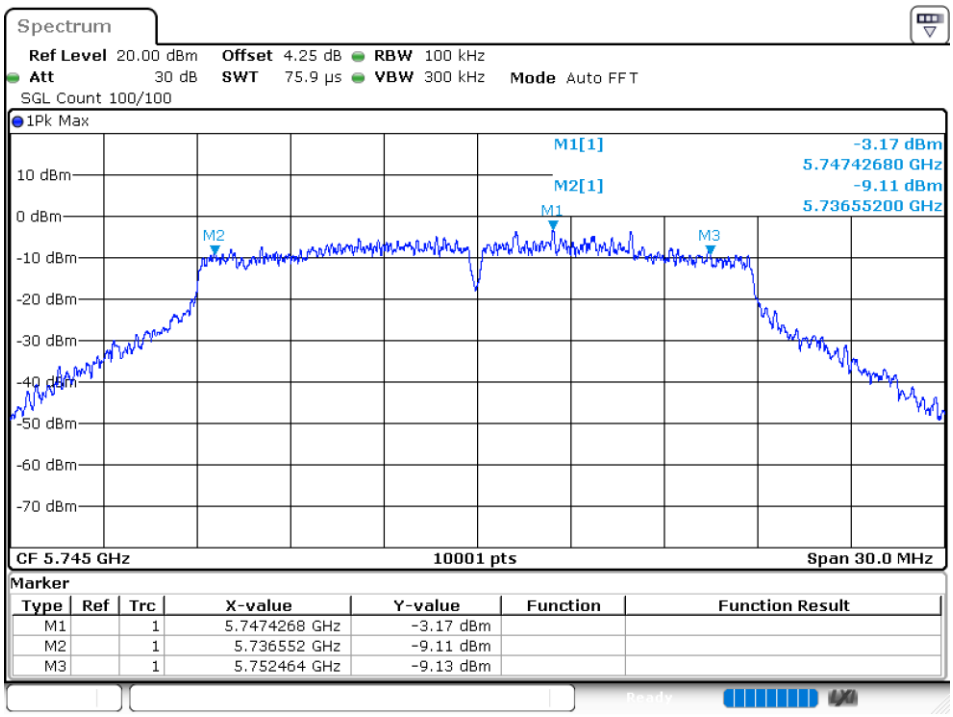
-6dB Bandwidth NVNT a 5785MHz Ant1



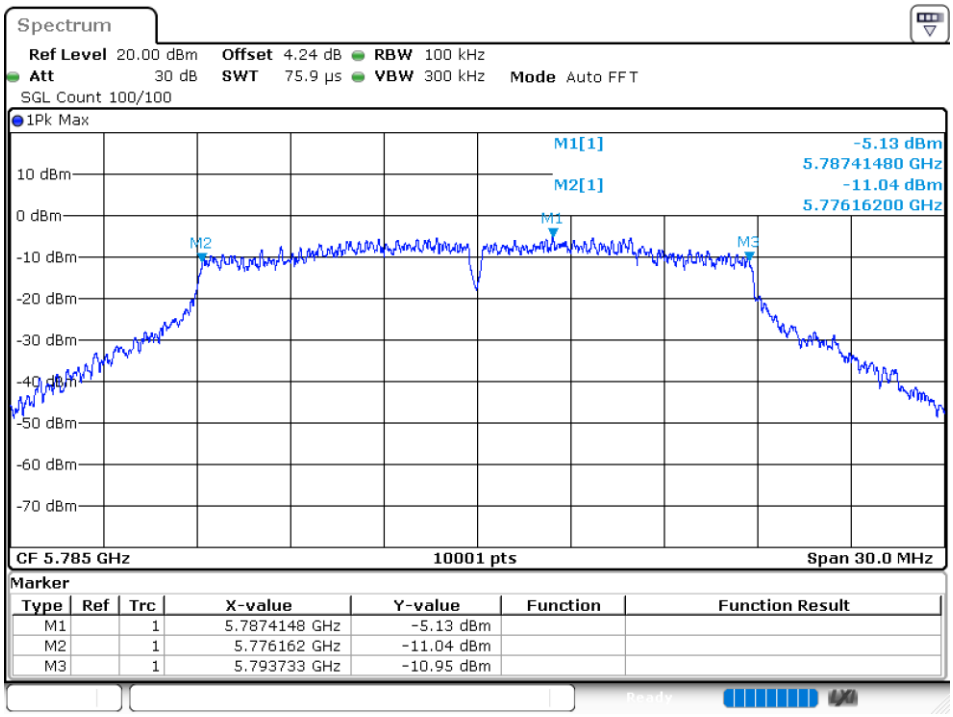
-6dB Bandwidth NVNT a 5825MHz Ant1



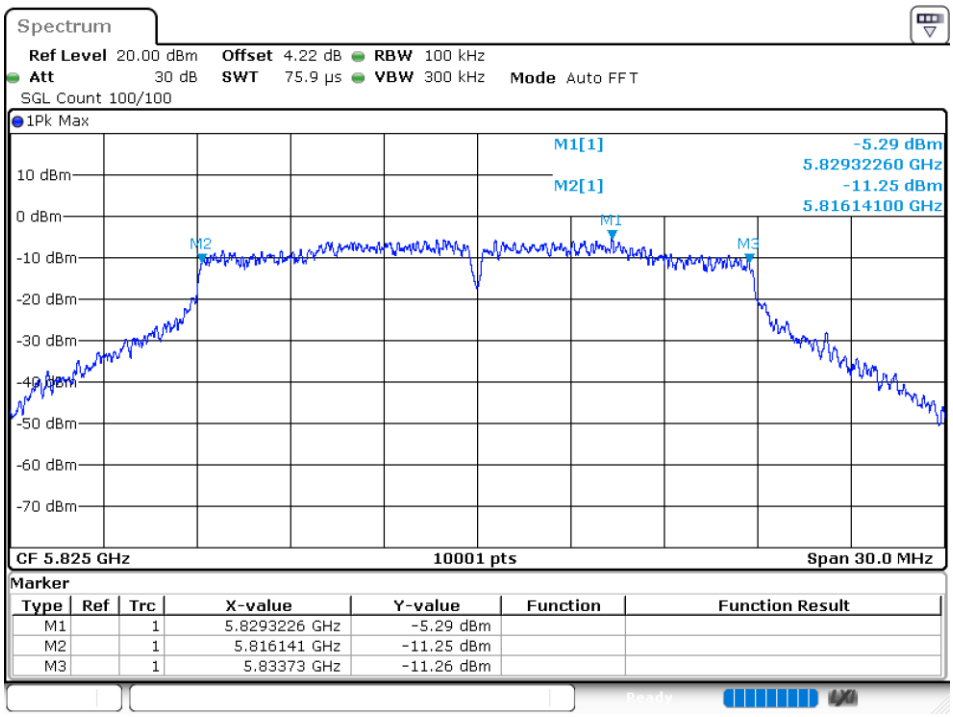
-6dB Bandwidth NVNT n20 5745MHz Ant1



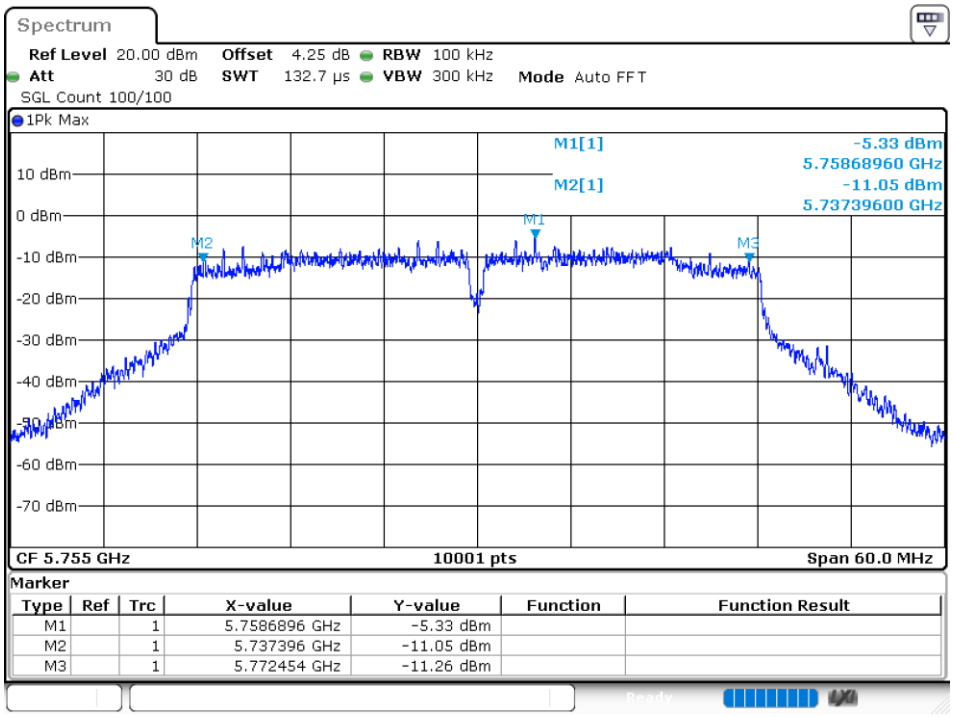
-6dB Bandwidth NVNT n20 5785MHz Ant1



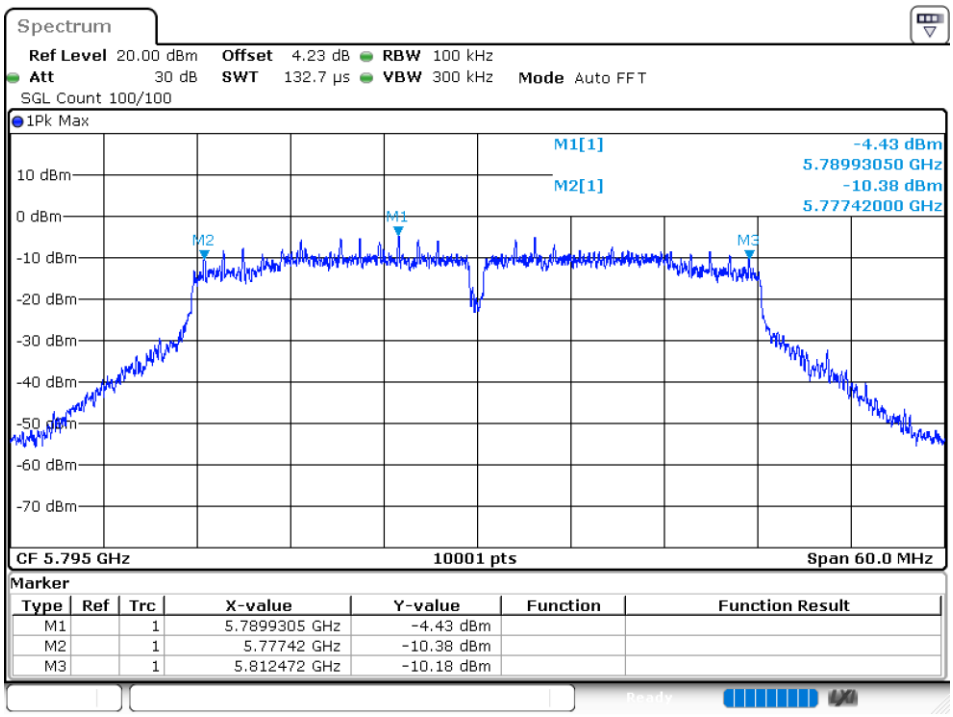
-6dB Bandwidth NVNT n20 5825MHz Ant1



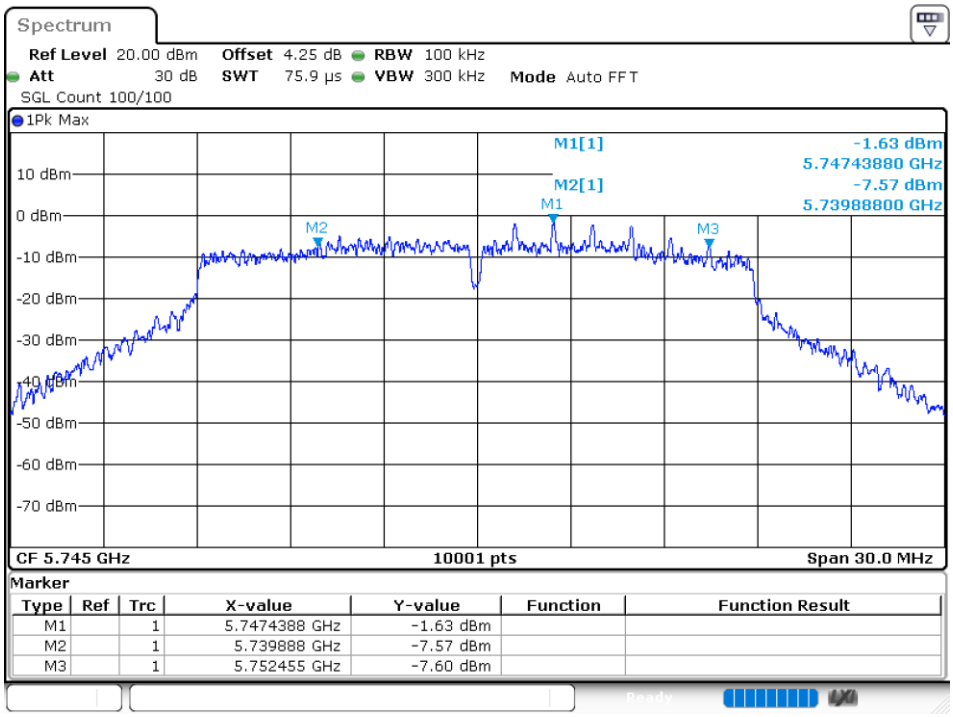
-6dB Bandwidth NVNT n40 5755MHz Ant1



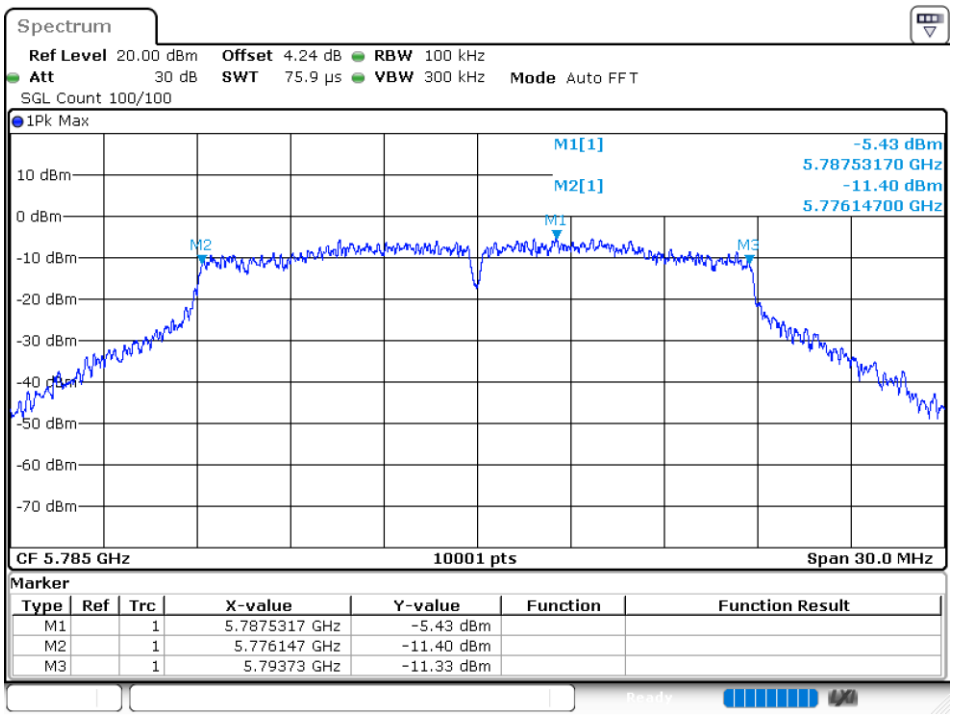
-6dB Bandwidth NVNT n40 5795MHz Ant1



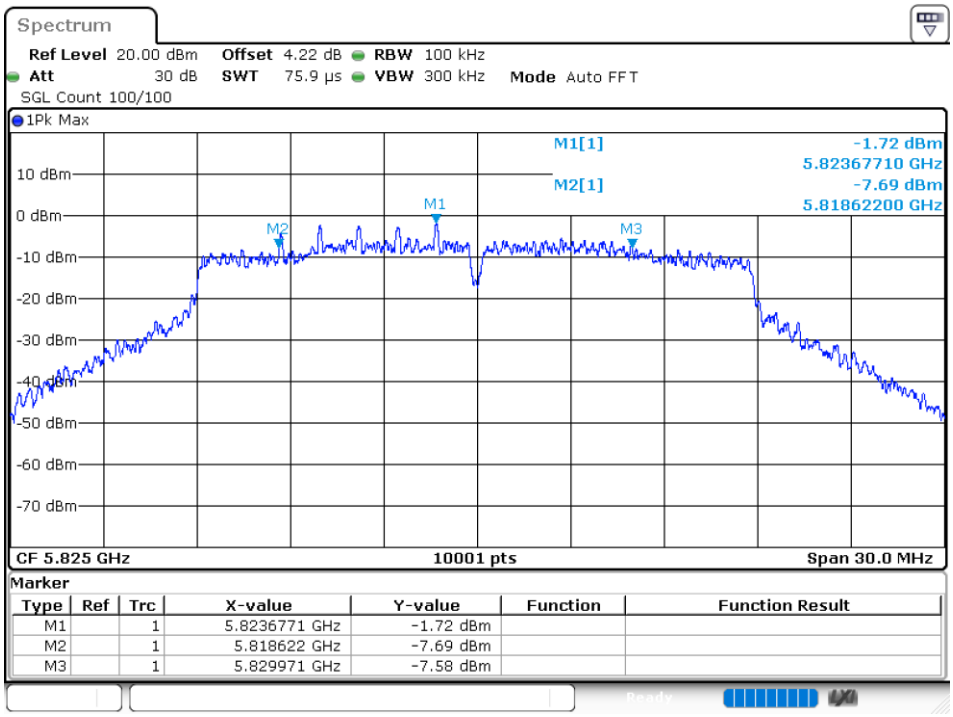
-6dB Bandwidth NVNT ac20 5745MHz Ant1



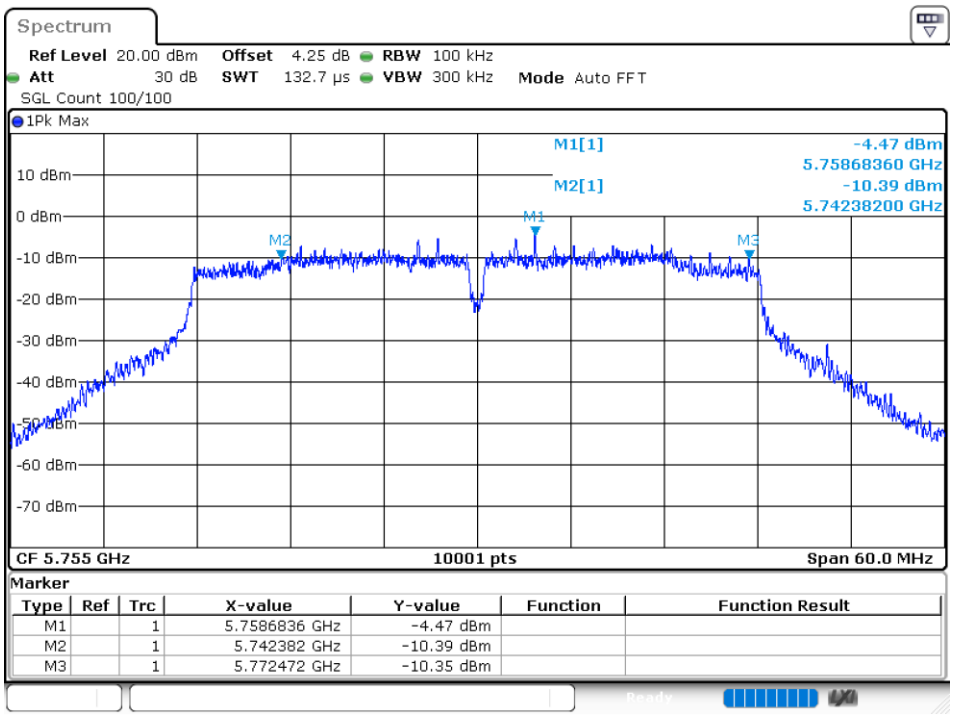
-6dB Bandwidth NVNT ac20 5785MHz Ant1



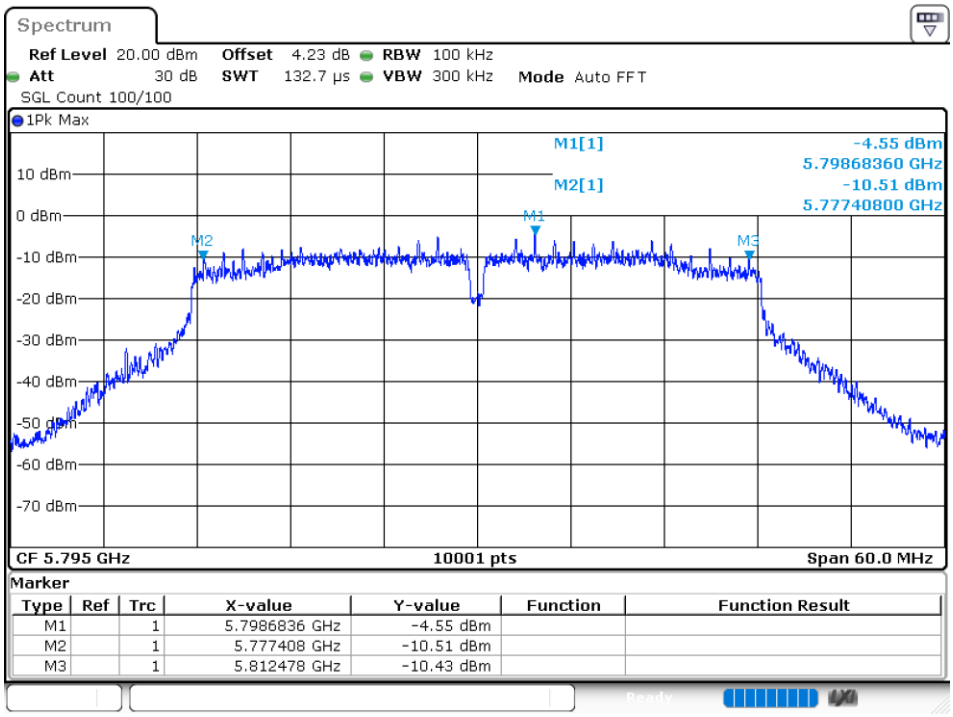
-6dB Bandwidth NVNT ac20 5825MHz Ant1



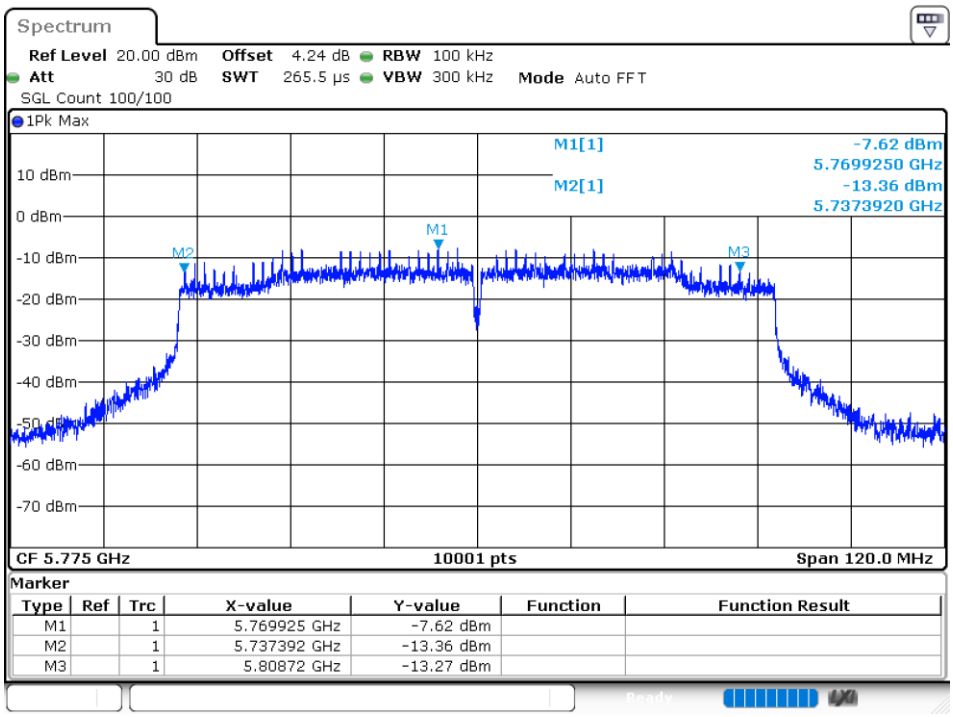
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

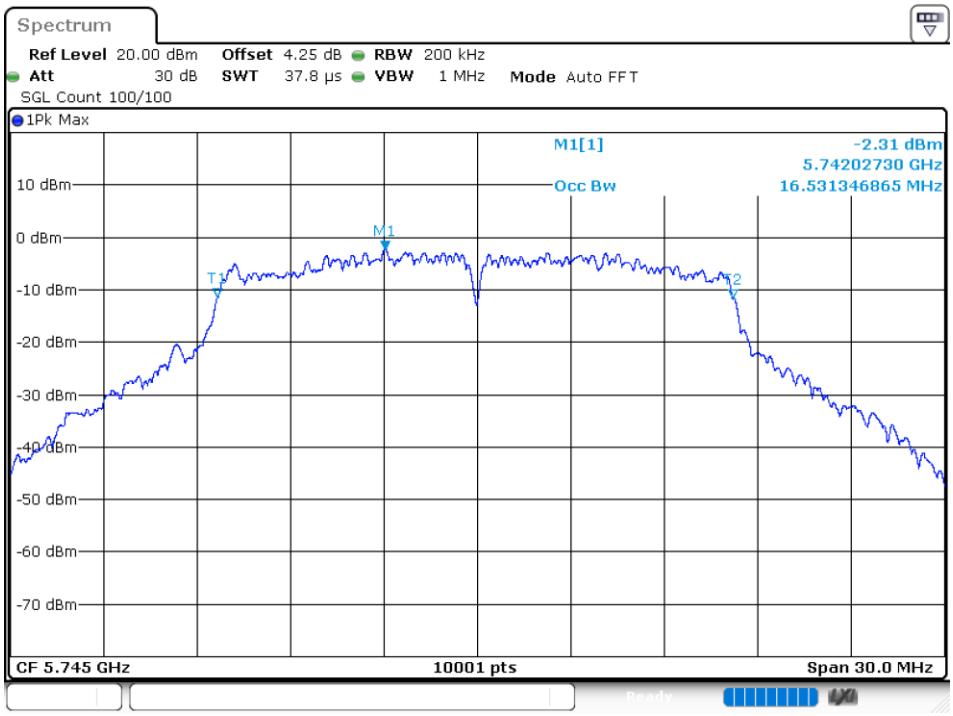


Occupied Channel Bandwidth

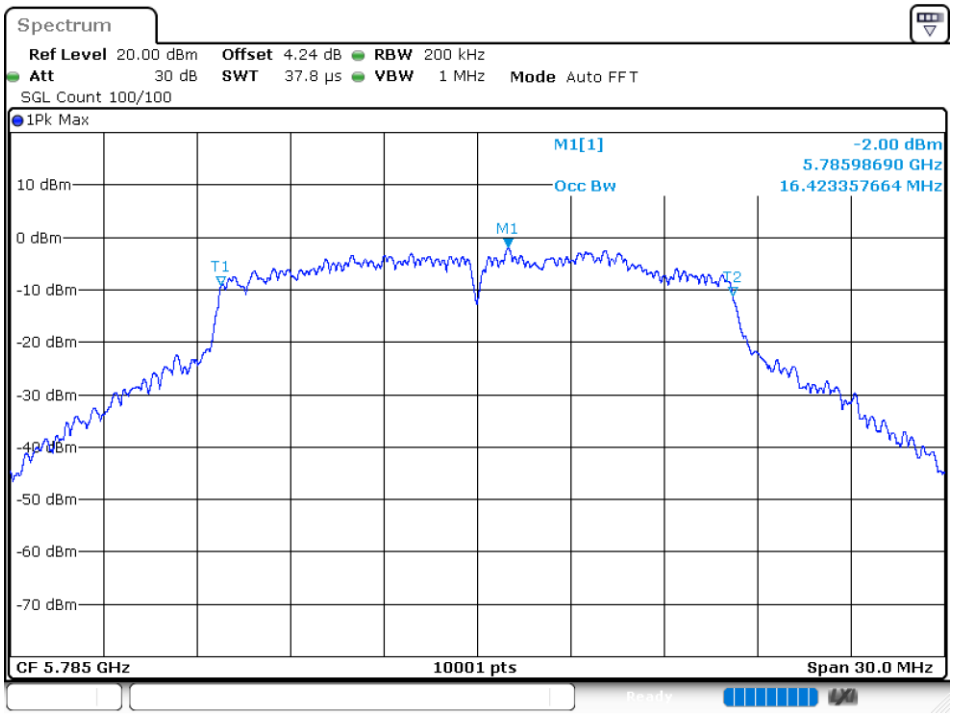
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.531
NVNT	a	5785	Ant1	16.423
NVNT	a	5825	Ant1	16.504
NVNT	n20	5745	Ant1	17.689
NVNT	n20	5785	Ant1	17.656
NVNT	n20	5825	Ant1	17.602
NVNT	n40	5755	Ant1	36.128
NVNT	n40	5795	Ant1	36.032
NVNT	ac20	5745	Ant1	17.677
NVNT	ac20	5785	Ant1	17.662
NVNT	ac20	5825	Ant1	17.701
NVNT	ac40	5755	Ant1	36.122
NVNT	ac40	5795	Ant1	36.032
NVNT	ac80	5775	Ant1	75.052

Test Graphs

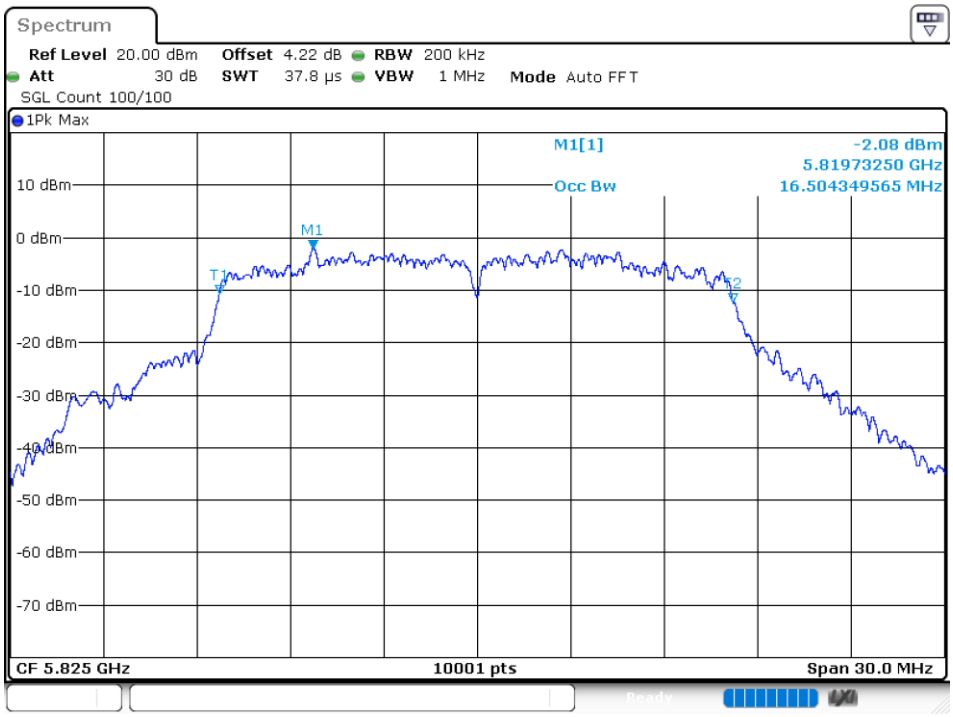
OBW NVNT a 5745MHz Ant1



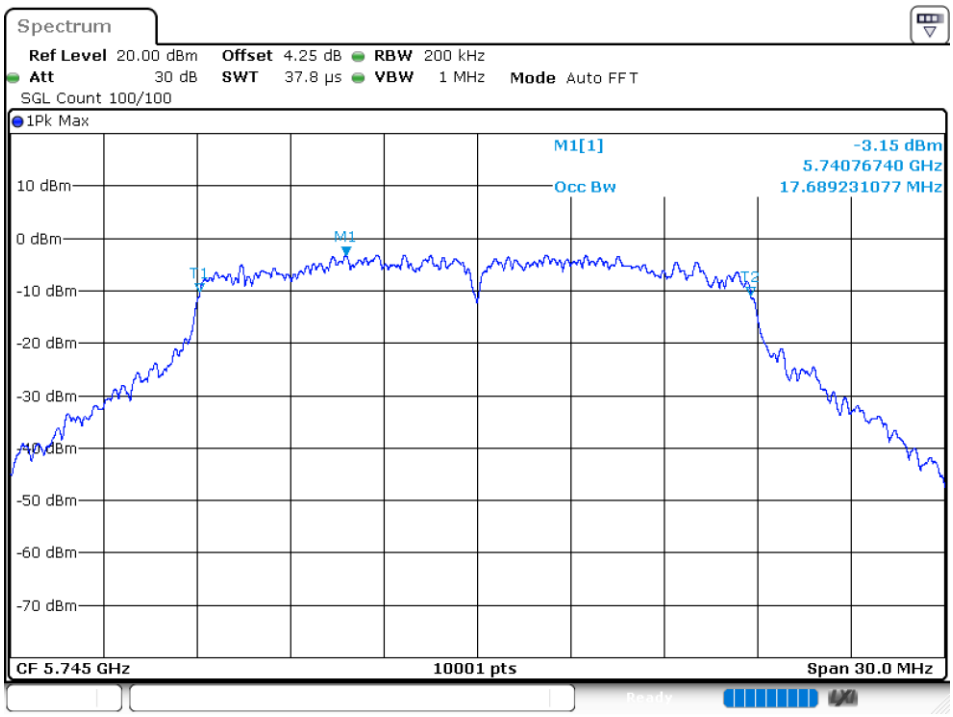
OBW NVNT a 5785MHz Ant1



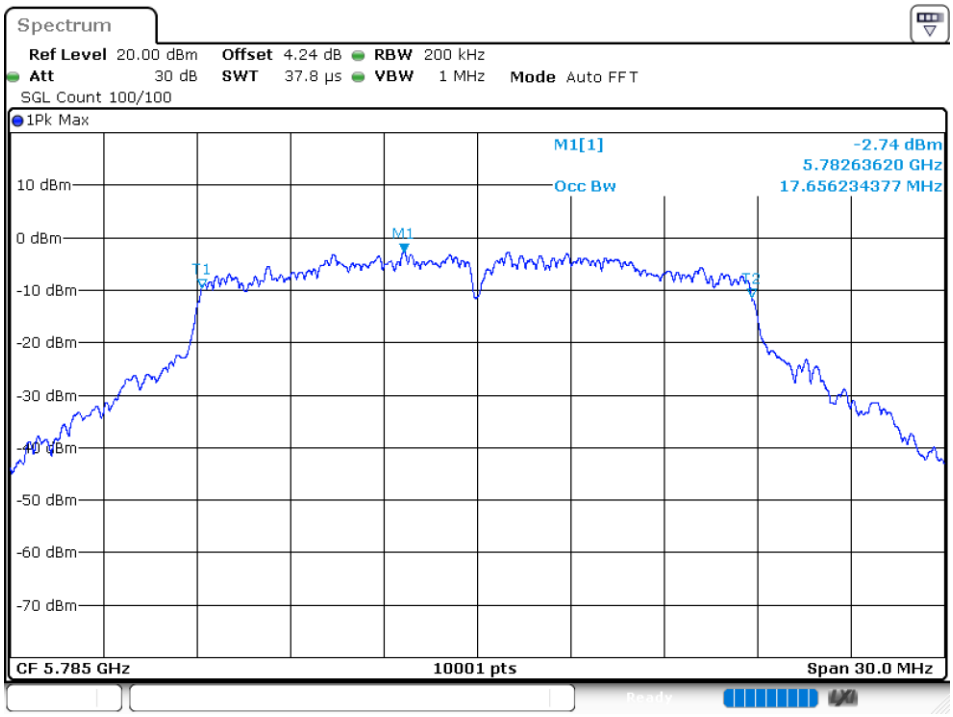
OBW NVNT a 5825MHz Ant1



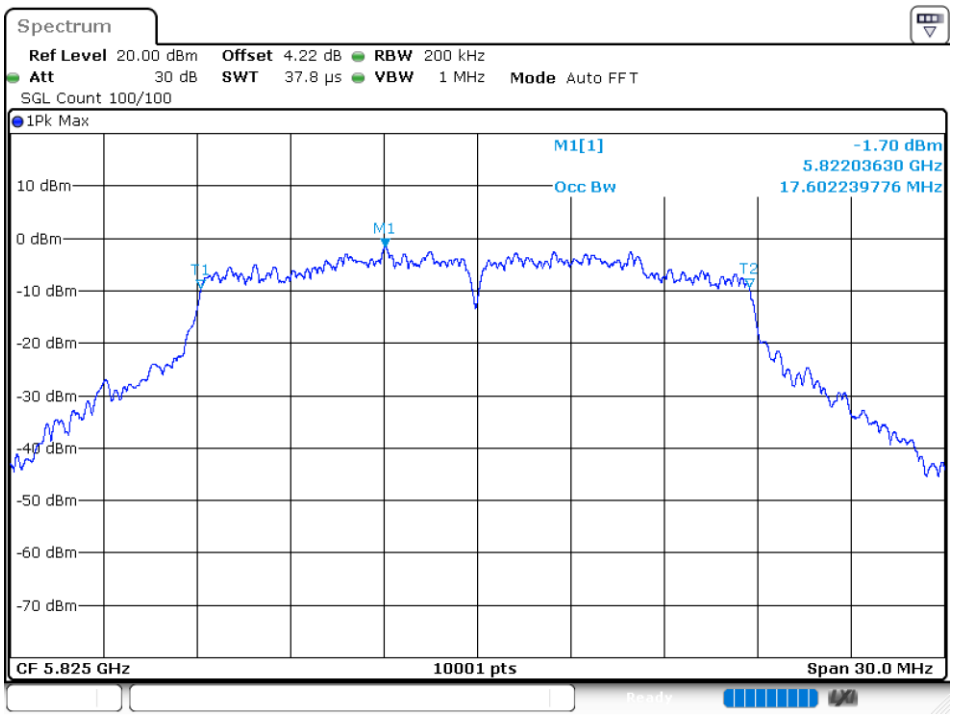
OBW NVNT n20 5745MHz Ant1



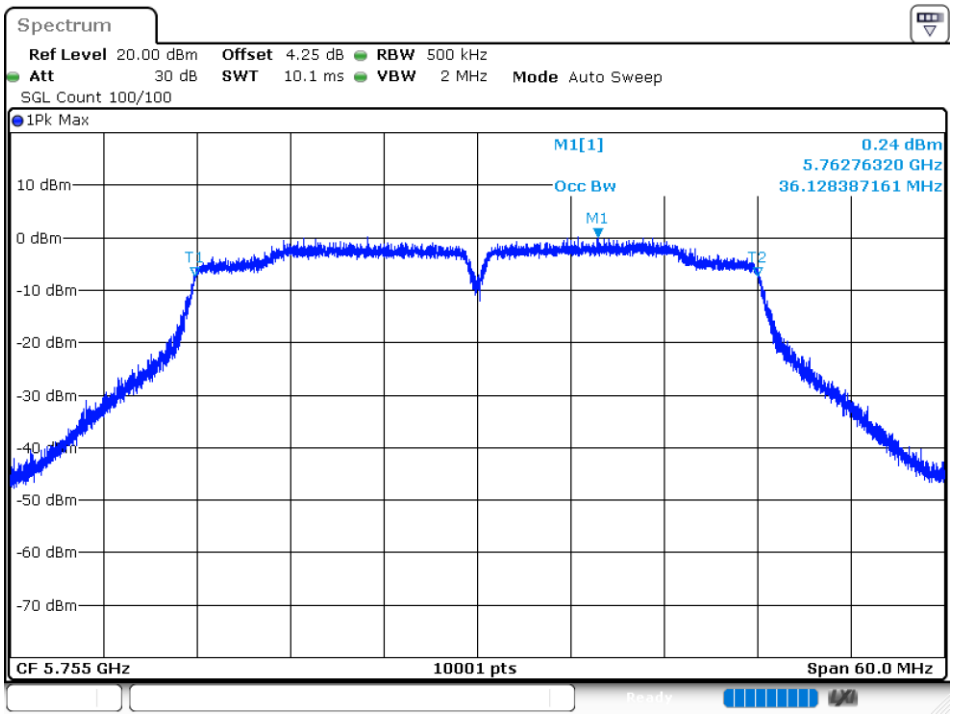
OBW NVNT n20 5785MHz Ant1



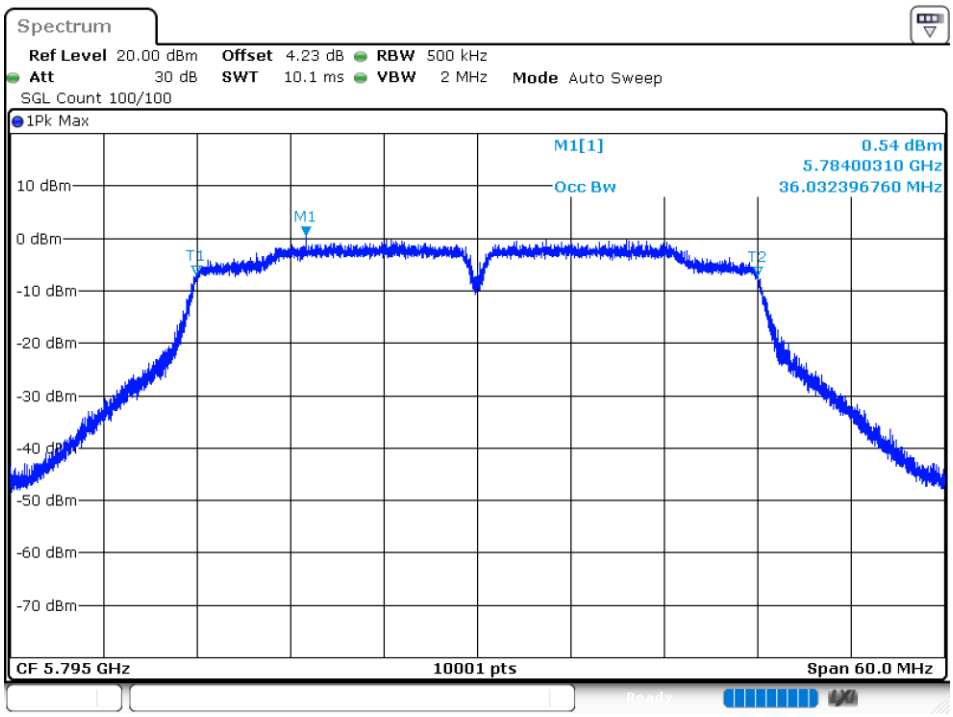
OBW NVNT n20 5825MHz Ant1



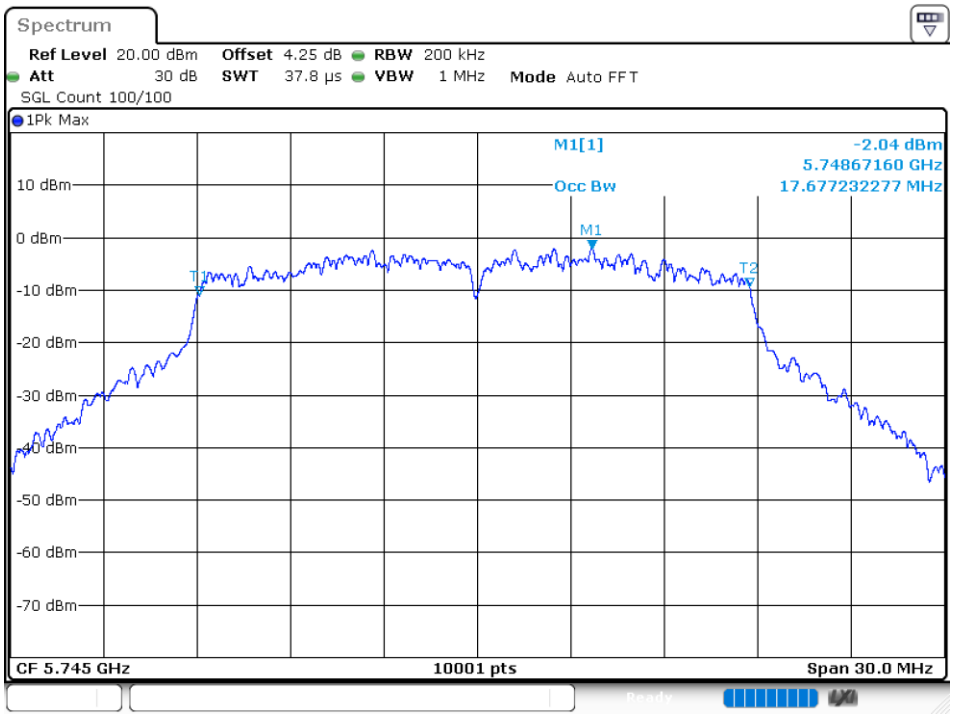
OBW NVNT n40 5755MHz Ant1



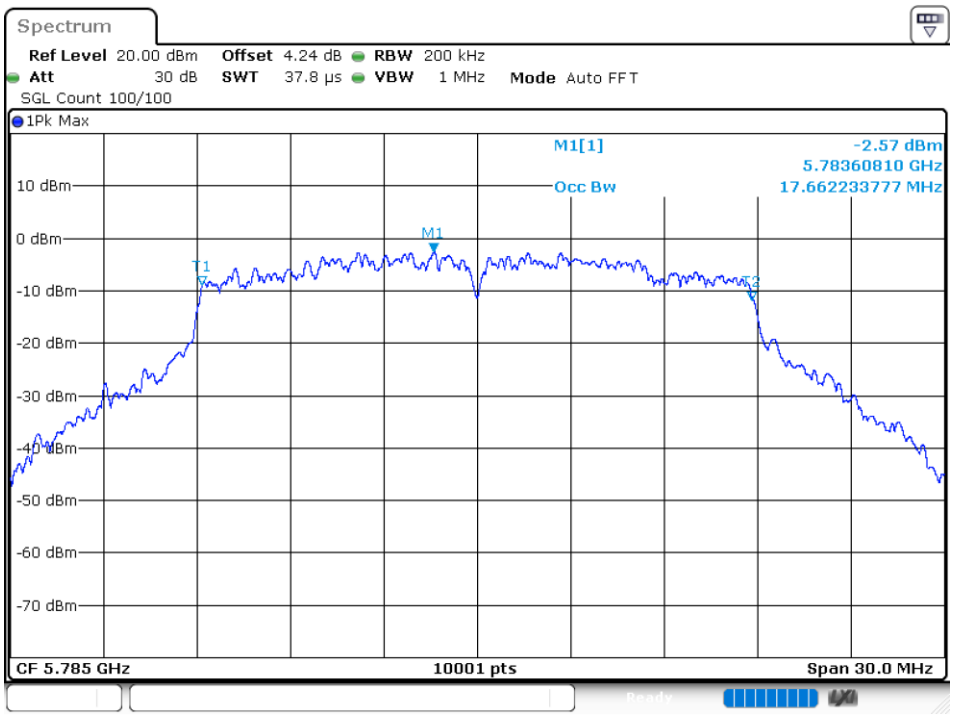
OBW NVNT n40 5795MHz Ant1



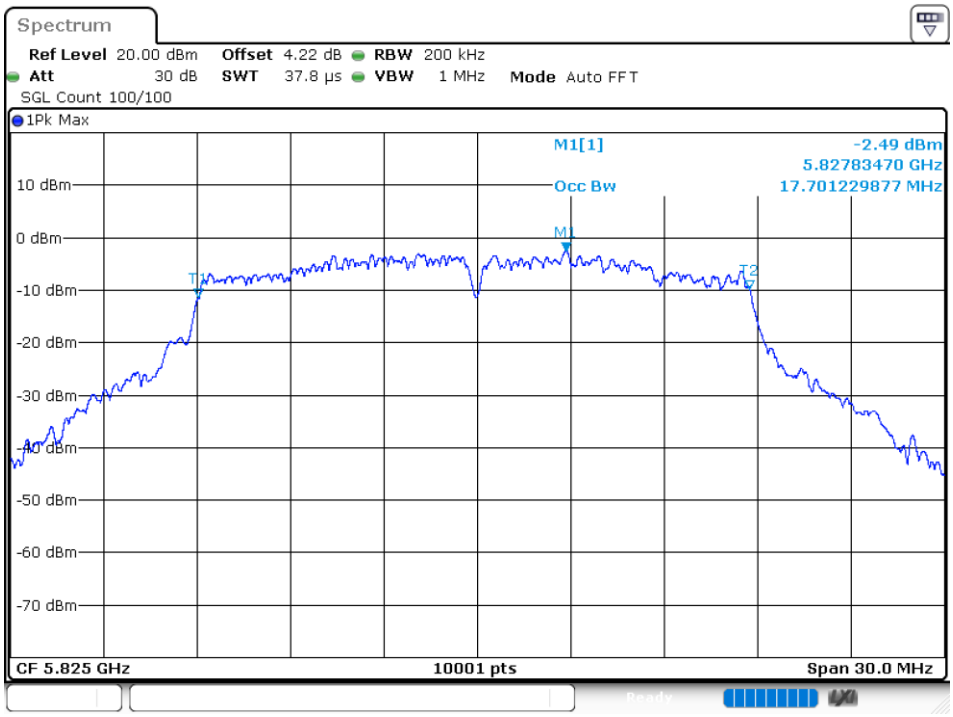
OBW NVNT ac20 5745MHz Ant1



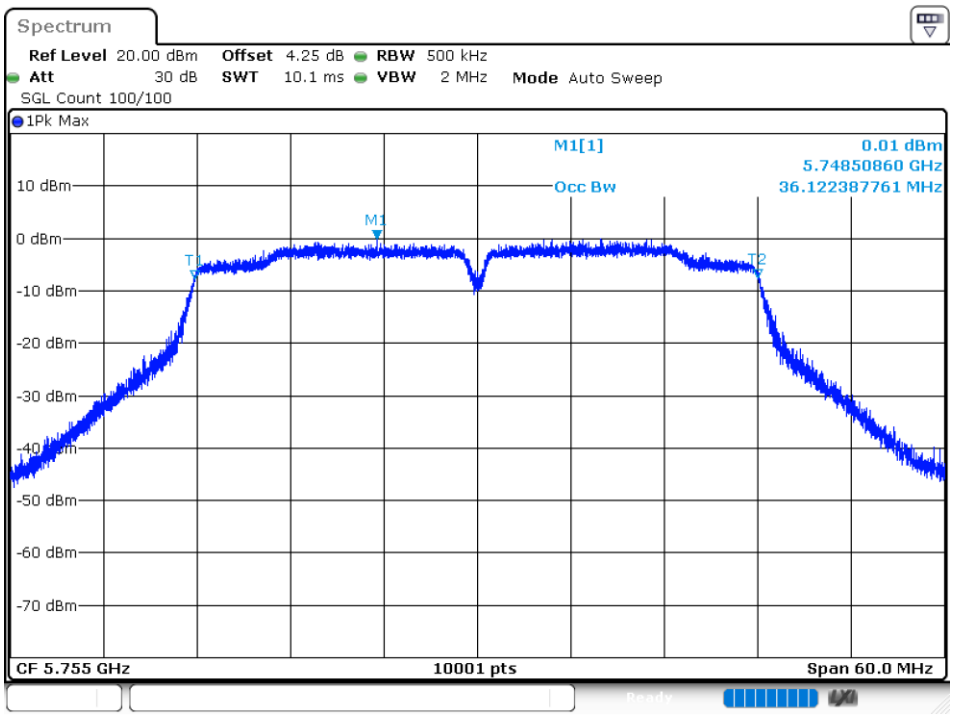
OBW NVNT ac20 5785MHz Ant1



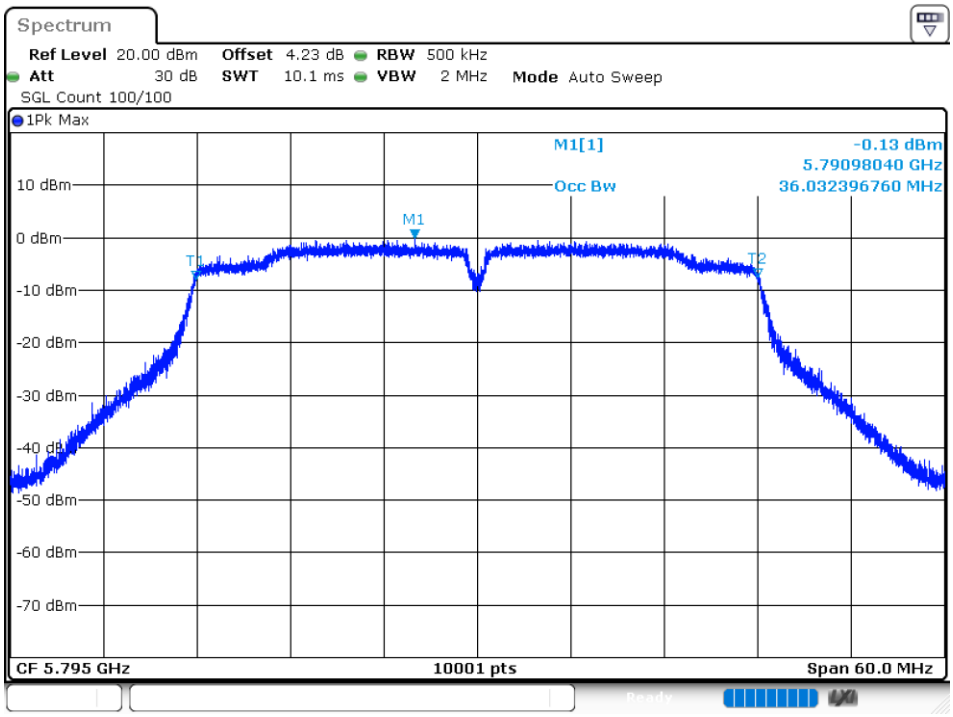
OBW NVNT ac20 5825MHz Ant1



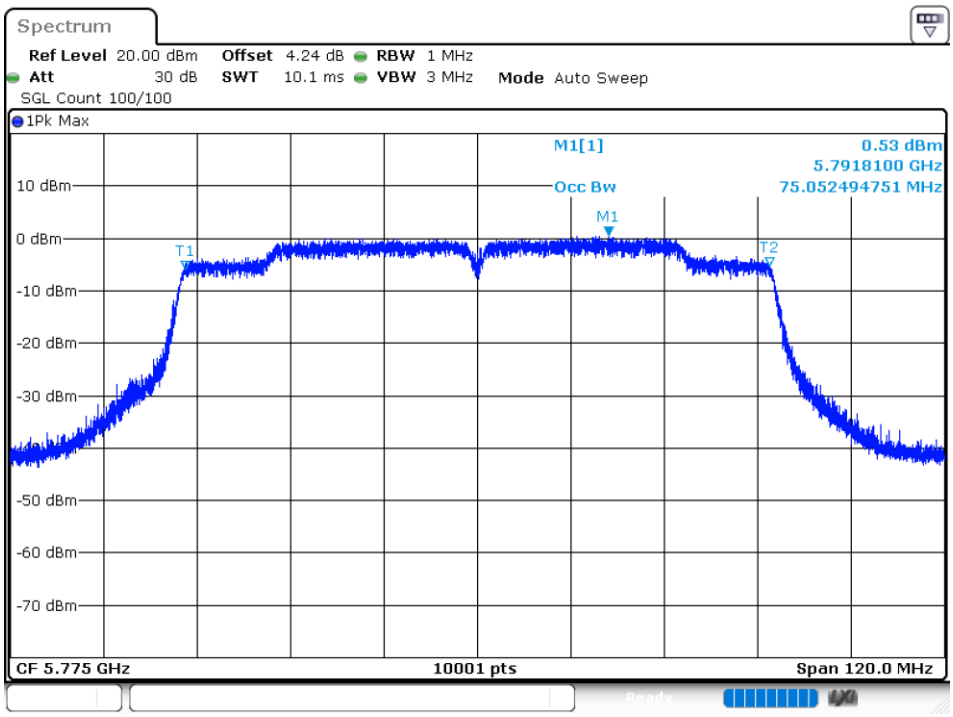
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz 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	5745	Ant1	-8.02	0.17	-7.85	30	Pass
NVNT	a	5785	Ant1	-15.29	0.91	-14.38	30	Pass
NVNT	a	5825	Ant1	-8.1	0.17	-7.93	30	Pass
NVNT	n20	5745	Ant1	-8.43	0.17	-8.26	30	Pass
NVNT	n20	5785	Ant1	-8.49	0.17	-8.32	30	Pass
NVNT	n20	5825	Ant1	-8.55	0.17	-8.38	30	Pass
NVNT	n40	5755	Ant1	-11.28	0.16	-11.12	30	Pass
NVNT	n40	5795	Ant1	-11.26	0.16	-11.1	30	Pass
NVNT	ac20	5745	Ant1	-8.58	0.17	-8.41	30	Pass
NVNT	ac20	5785	Ant1	-8.75	0.17	-8.58	30	Pass
NVNT	ac20	5825	Ant1	-8.62	0.17	-8.45	30	Pass
NVNT	ac40	5755	Ant1	-11.01	0.16	-10.85	30	Pass
NVNT	ac40	5795	Ant1	-11.63	0.18	-11.45	30	Pass
NVNT	ac80	5775	Ant1	-14.45	0.24	-14.21	30	Pass