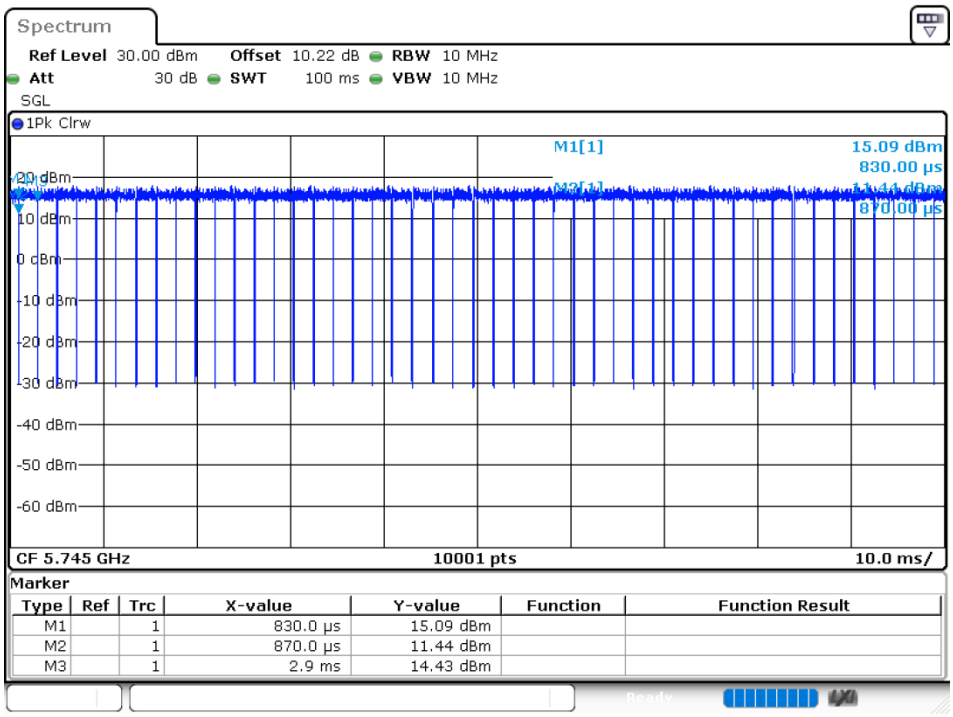
5.8G:

Duty Cycle

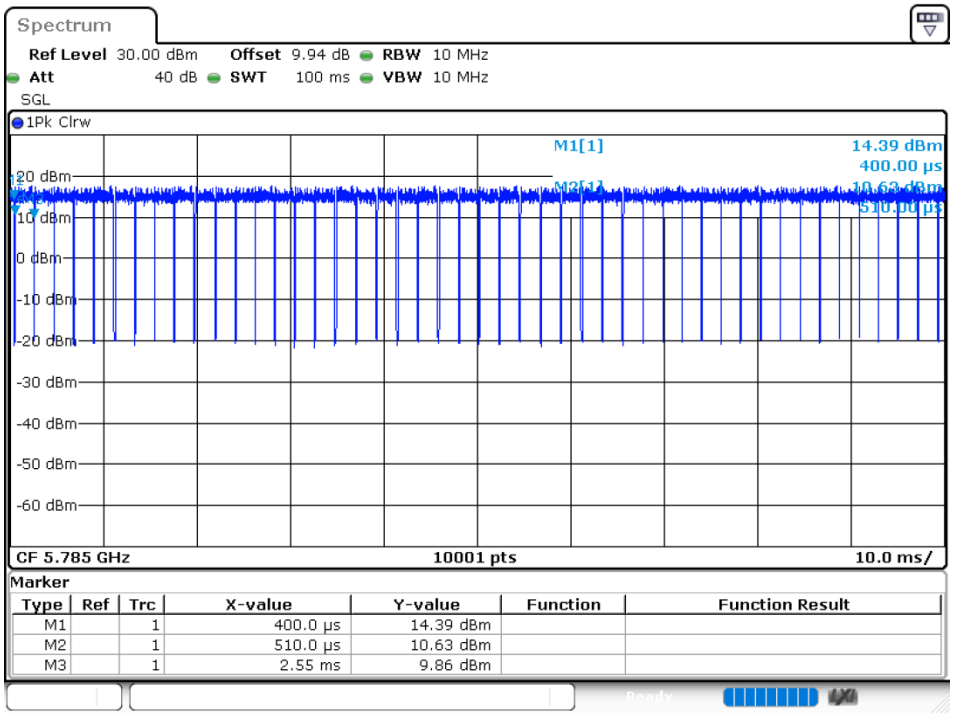
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	95.89	0.18	0.49
NVNT	a	5785	Ant1	94.95	0.23	0.49
NVNT	a	5825	Ant1	94.88	0.23	0.49
NVNT	n20	5745	Ant1	95.11	0.22	0.53
NVNT	n20	5785	Ant1	94.91	0.23	0.53
NVNT	n20	5825	Ant1	95.37	0.21	0.53
NVNT	n40	5755	Ant1	85.42	0.68	1.08
NVNT	n40	5795	Ant1	90.25	0.45	1.08
NVNT	ac20	5745	Ant1	94.83	0.23	0.53
NVNT	ac20	5785	Ant1	94.35	0.25	0.53
NVNT	ac20	5825	Ant1	94.77	0.23	0.53
NVNT	ac40	5755	Ant1	91.89	0.37	1.06
NVNT	ac40	5795	Ant1	86.12	0.65	1.08

Test Graphs

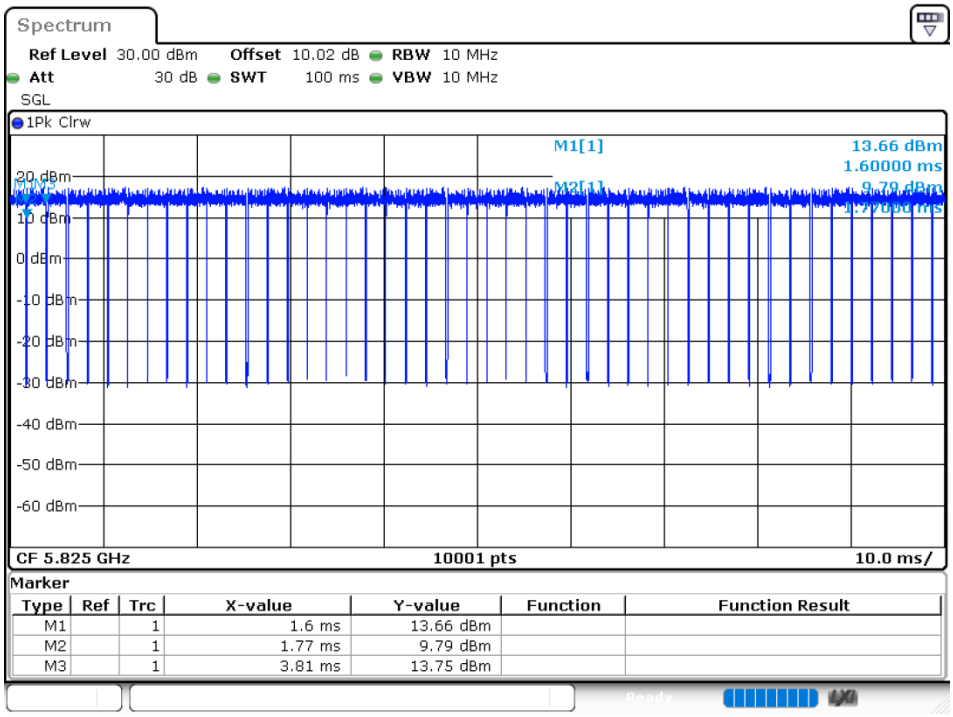
Duty Cycle NVNT a 5745MHz Ant1



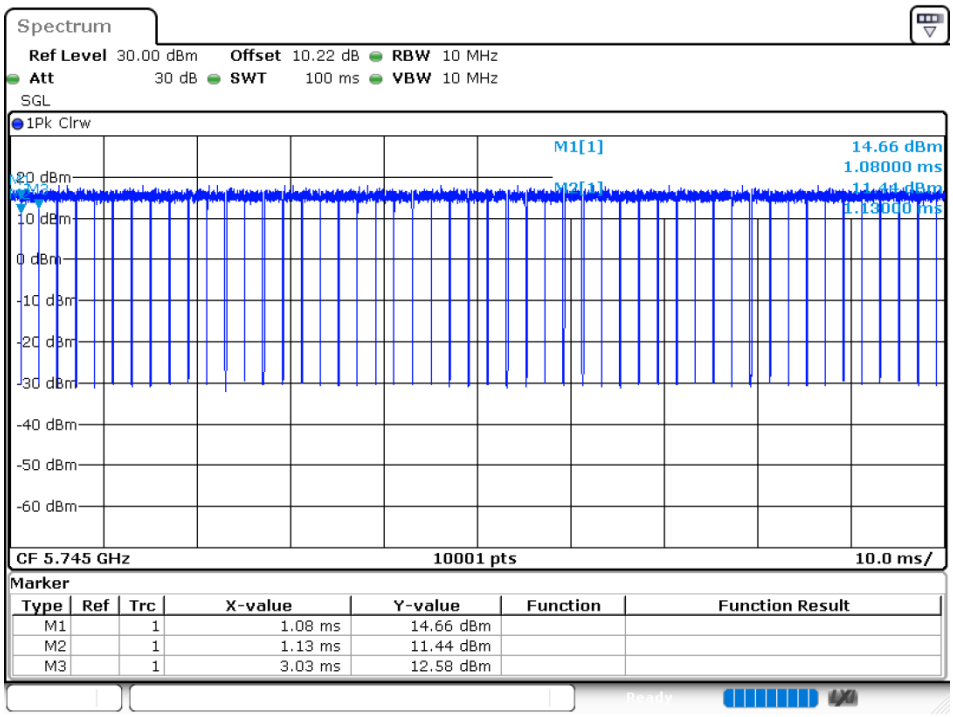
Duty Cycle NVNT a 5785MHz Ant1



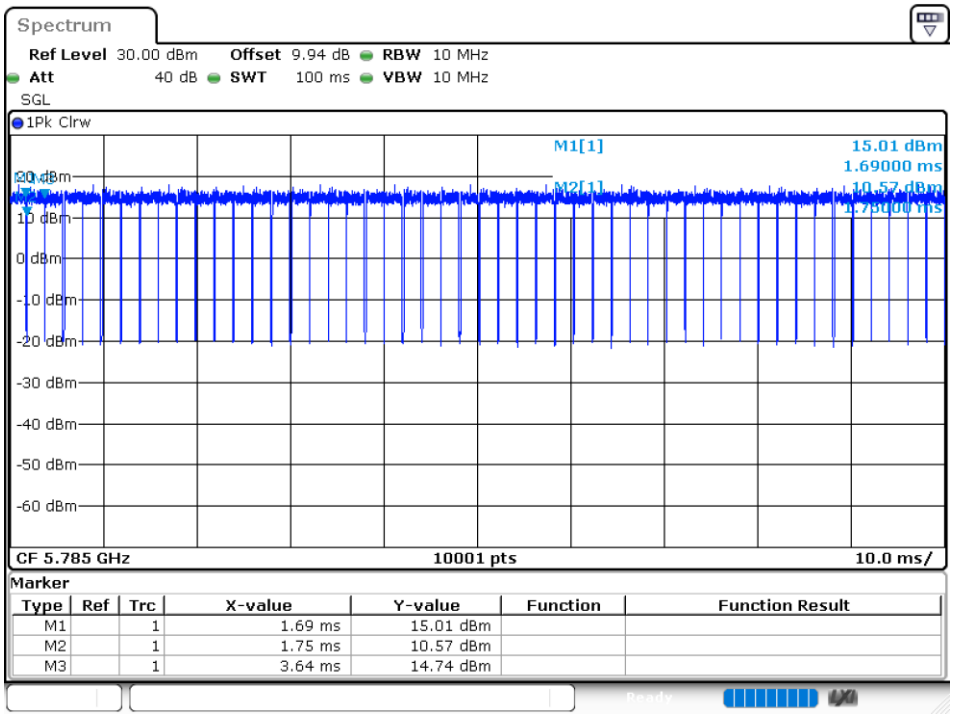
Duty Cycle NVNT a 5825MHz Ant1



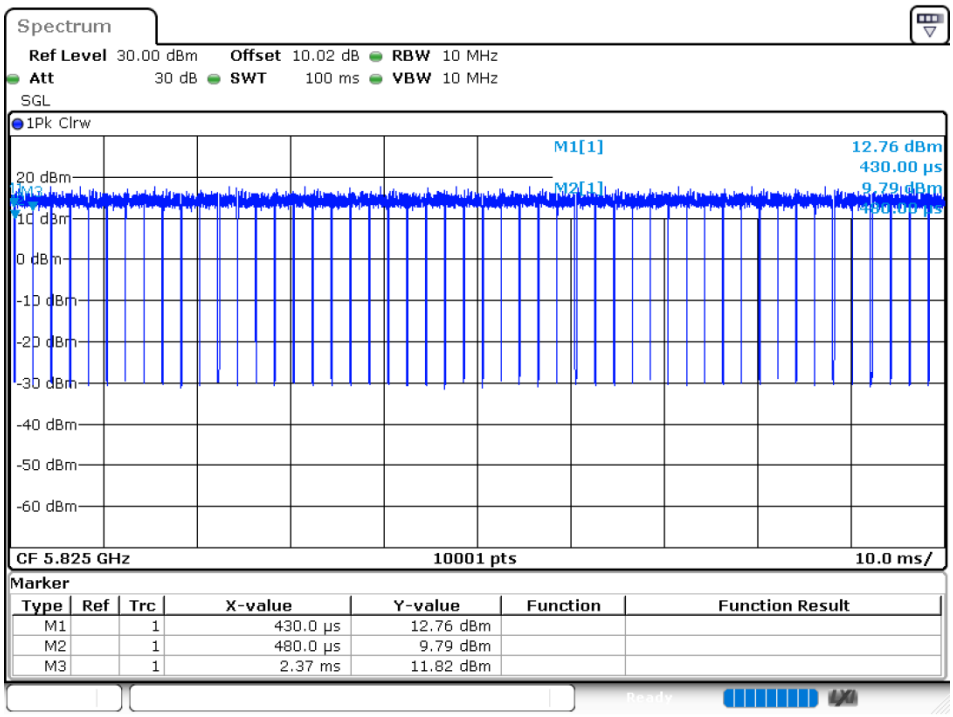
Duty Cycle NVNT n20 5745MHz Ant1



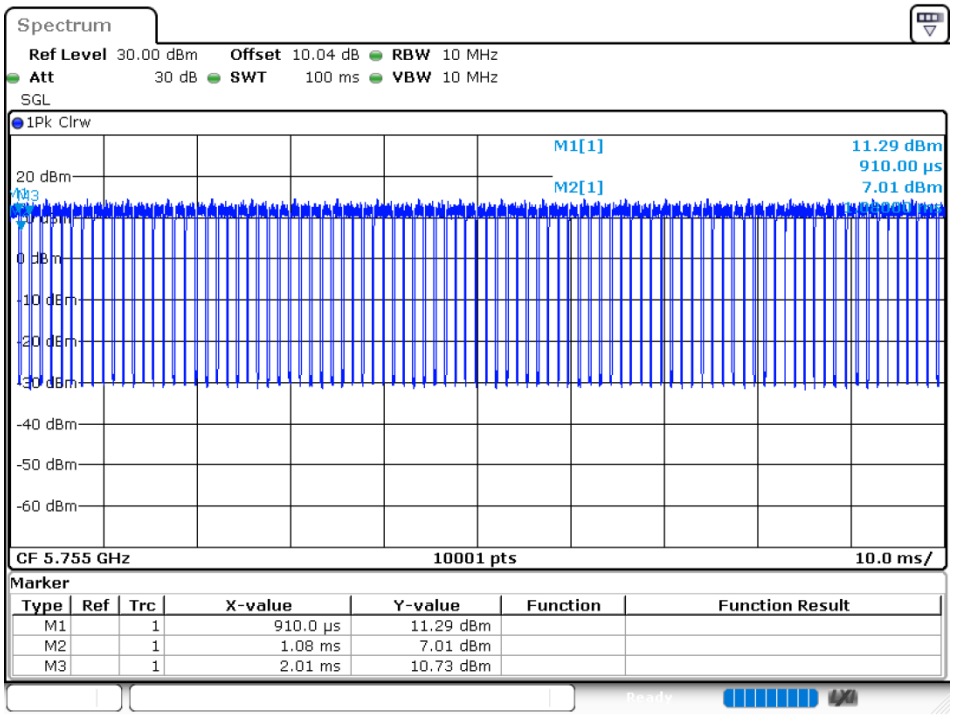
Duty Cycle NVNT n20 5785MHz Ant1



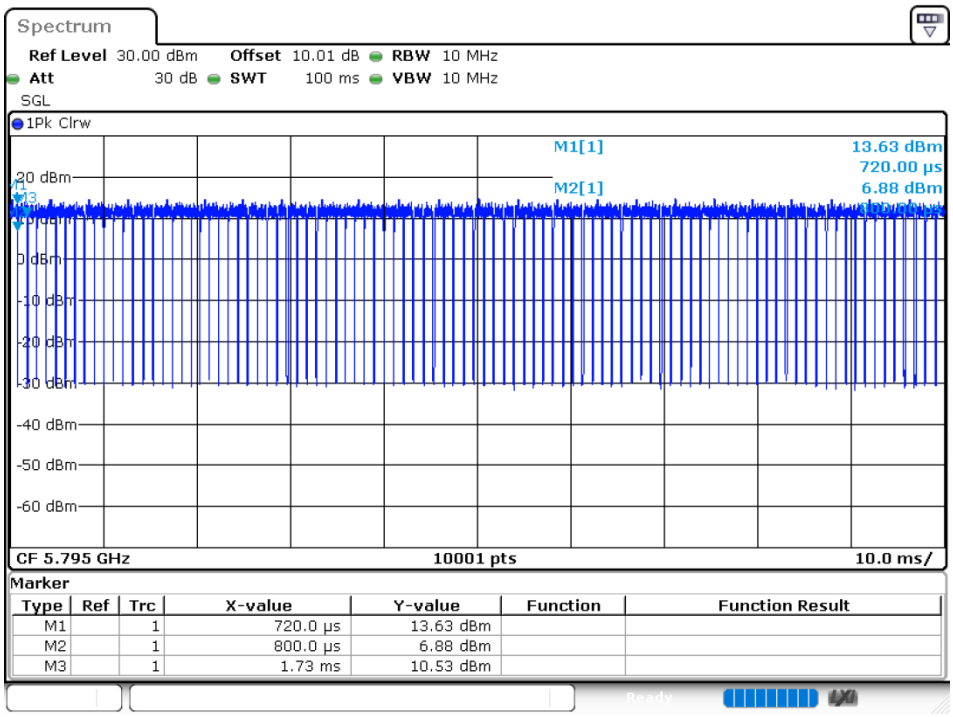
Duty Cycle NVNT n20 5825MHz Ant1



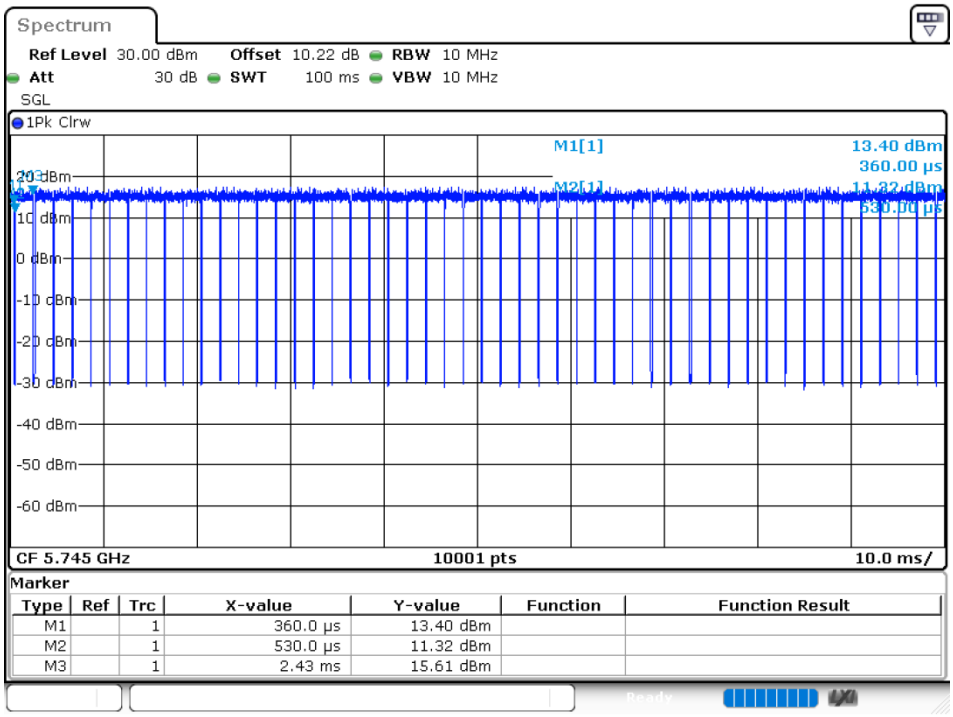
Duty Cycle NVNT n40 5755MHz Ant1



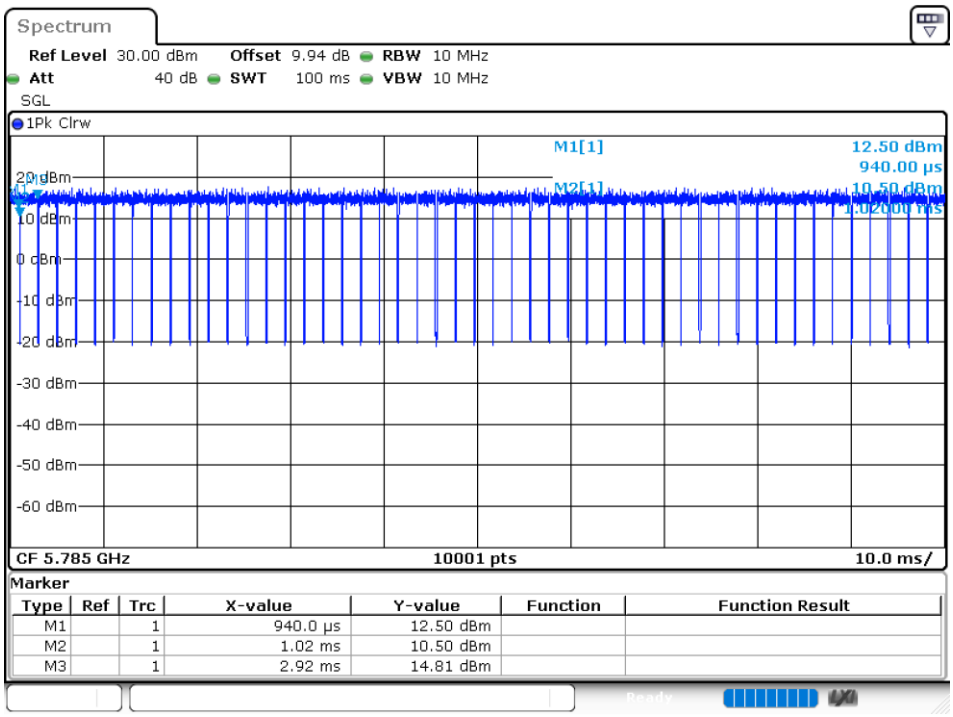
Duty Cycle NVNT n40 5795MHz Ant1



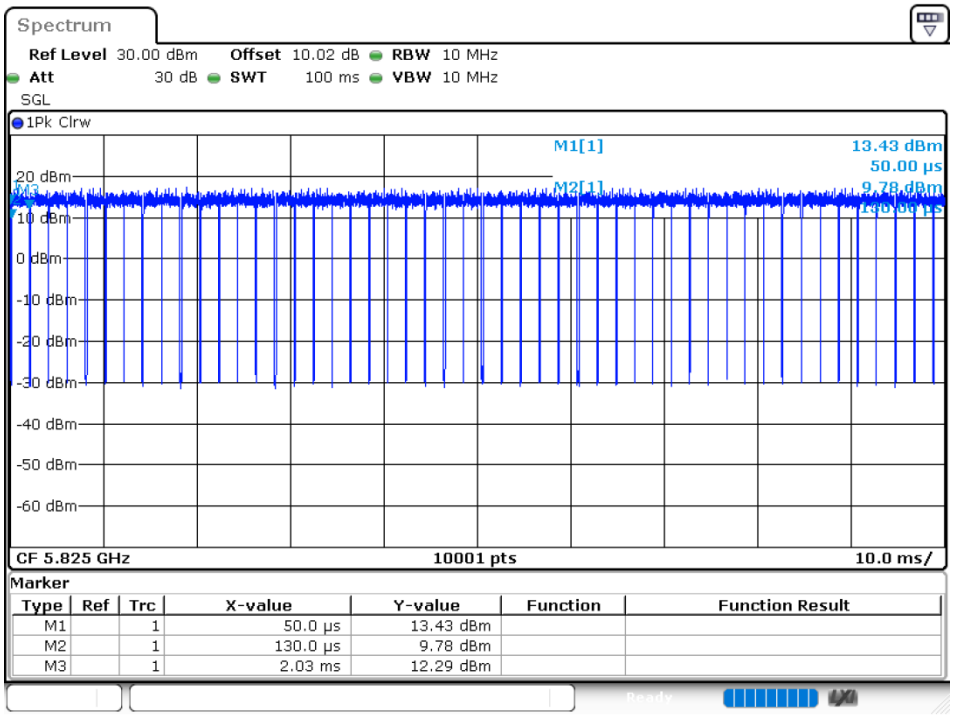
Duty Cycle NVNT ac20 5745MHz Ant1



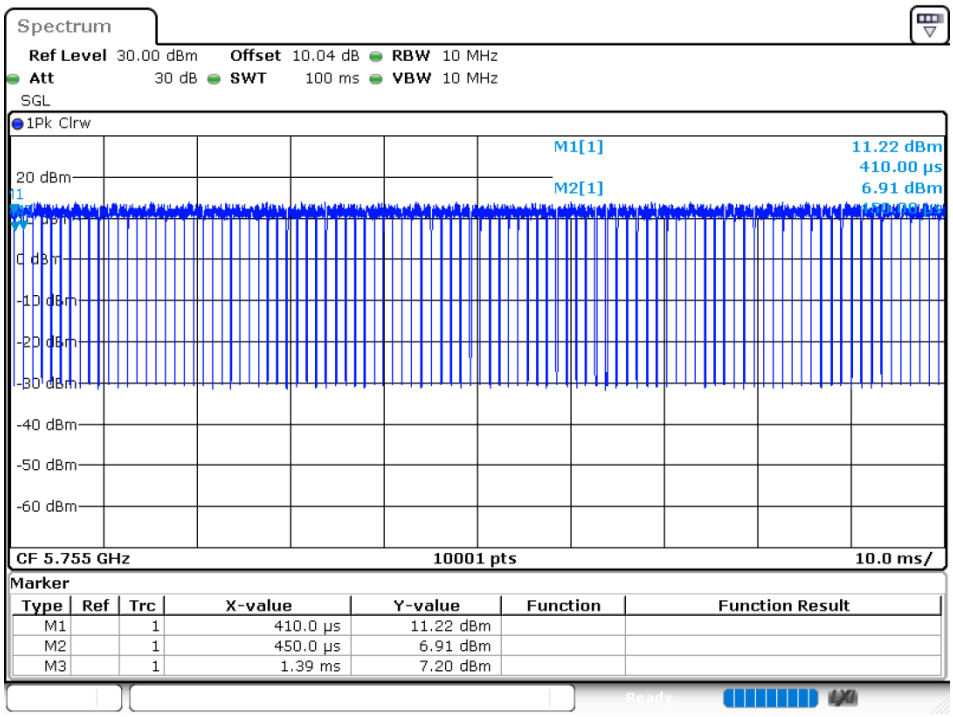
Duty Cycle NVNT ac20 5785MHz Ant1



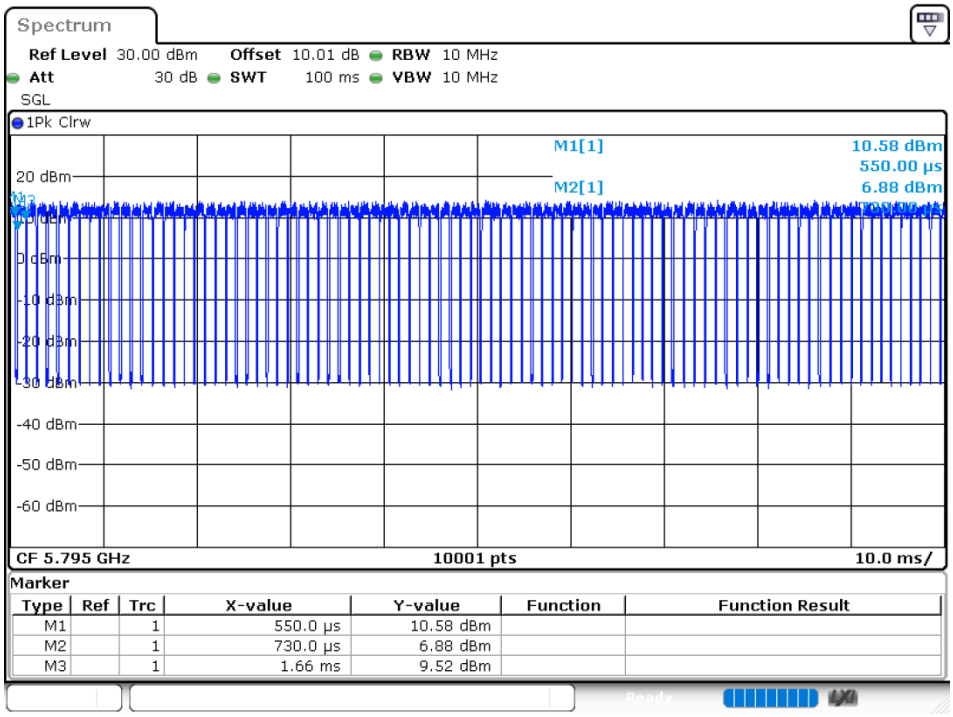
Duty Cycle NVNT ac20 5825MHz Ant1



Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Maximum Conducted Output Power

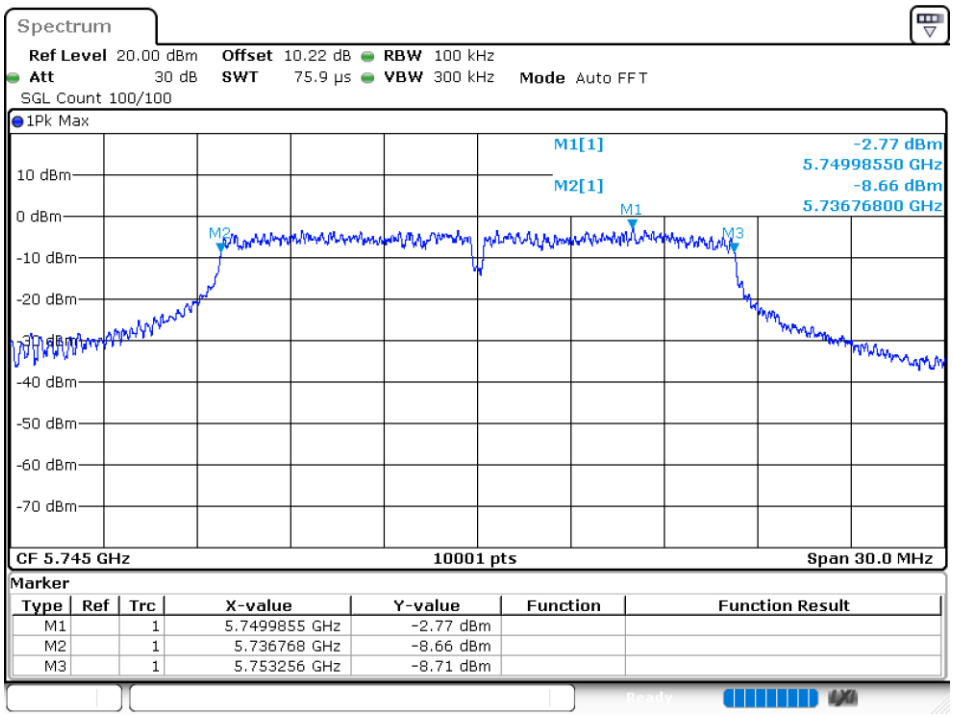
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	8.96	0.18	9.14	30	Pass
NVNT	a	5785	Ant1	8.62	0.23	8.85	30	Pass
NVNT	a	5825	Ant1	8.06	0.23	8.29	30	Pass
NVNT	n20	5745	Ant1	8.85	0.22	9.07	30	Pass
NVNT	n20	5785	Ant1	8.57	0.23	8.8	30	Pass
NVNT	n20	5825	Ant1	8.07	0.21	8.28	30	Pass
NVNT	n40	5755	Ant1	8.44	0.68	9.12	30	Pass
NVNT	n40	5795	Ant1	7.98	0.45	8.43	30	Pass
NVNT	ac20	5745	Ant1	8.79	0.23	9.02	30	Pass
NVNT	ac20	5785	Ant1	8.53	0.25	8.78	30	Pass
NVNT	ac20	5825	Ant1	8.03	0.23	8.26	30	Pass
NVNT	ac40	5755	Ant1	8.77	0.37	9.14	30	Pass
NVNT	ac40	5795	Ant1	7.88	0.65	8.53	30	Pass

-6dB Bandwidth

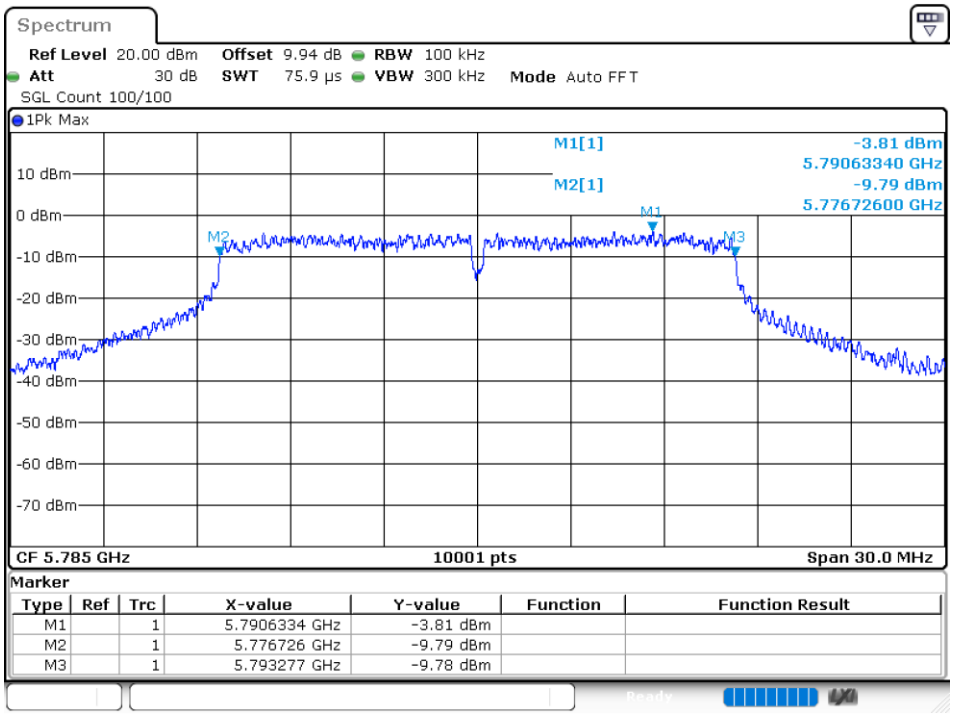
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.488	0.5	Pass
NVNT	a	5785	Ant1	16.551	0.5	Pass
NVNT	a	5825	Ant1	16.461	0.5	Pass
NVNT	n20	5745	Ant1	17.601	0.5	Pass
NVNT	n20	5785	Ant1	17.568	0.5	Pass
NVNT	n20	5825	Ant1	17.796	0.5	Pass
NVNT	n40	5755	Ant1	36.336	0.5	Pass
NVNT	n40	5795	Ant1	36.312	0.5	Pass
NVNT	ac20	5745	Ant1	17.805	0.5	Pass
NVNT	ac20	5785	Ant1	17.586	0.5	Pass
NVNT	ac20	5825	Ant1	17.793	0.5	Pass
NVNT	ac40	5755	Ant1	36.294	0.5	Pass
NVNT	ac40	5795	Ant1	36.294	0.5	Pass

Test Graphs

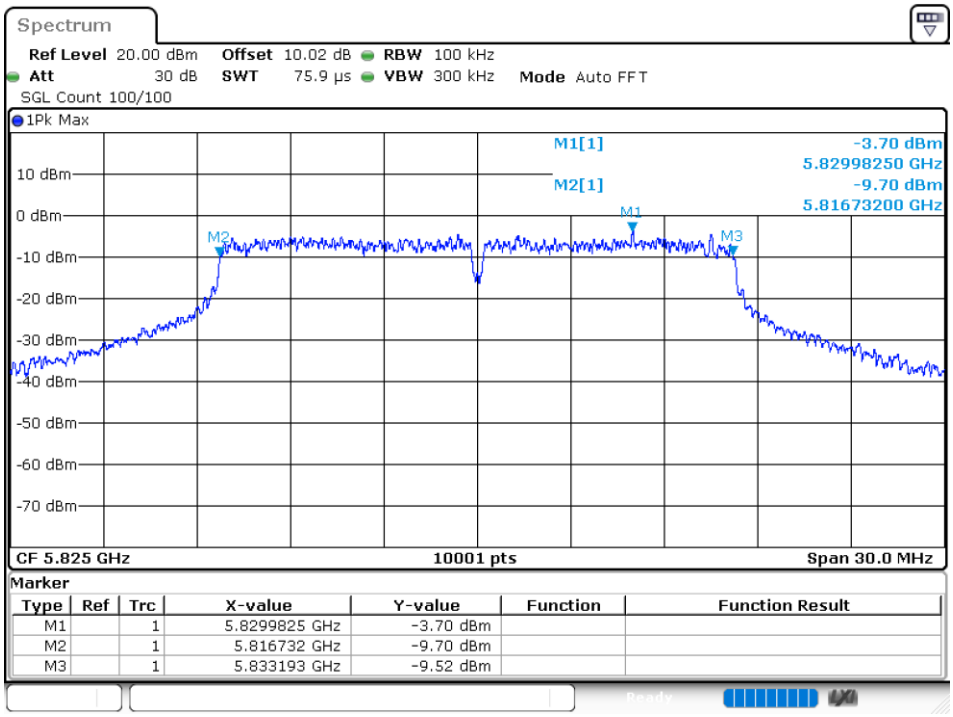
-6dB Bandwidth NVNT a 5745MHz Ant1



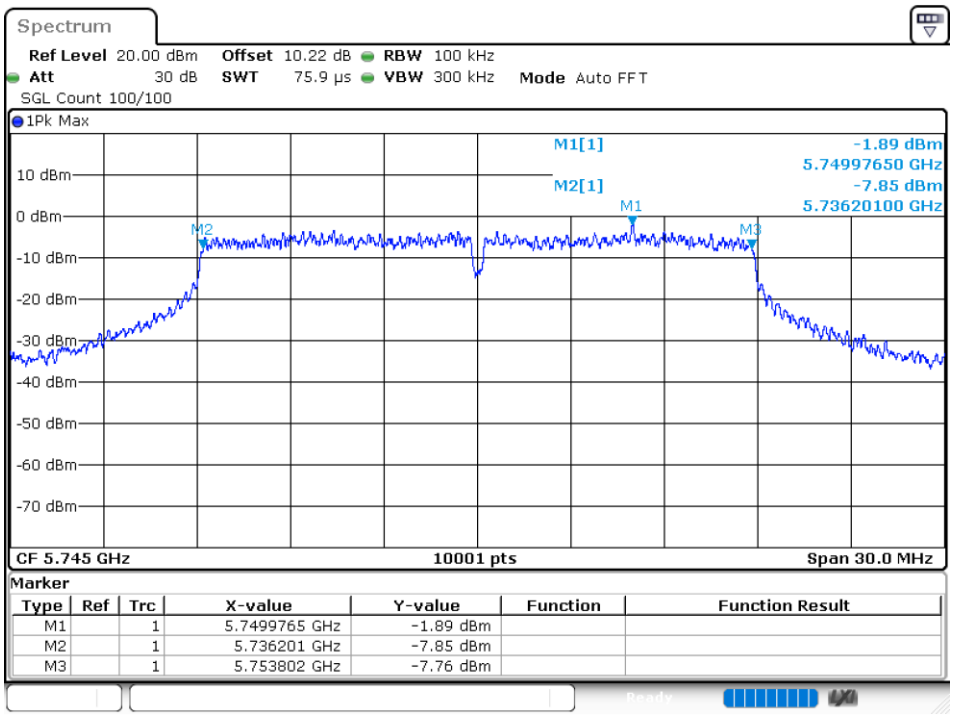
-6dB Bandwidth NVNT a 5785MHz Ant1



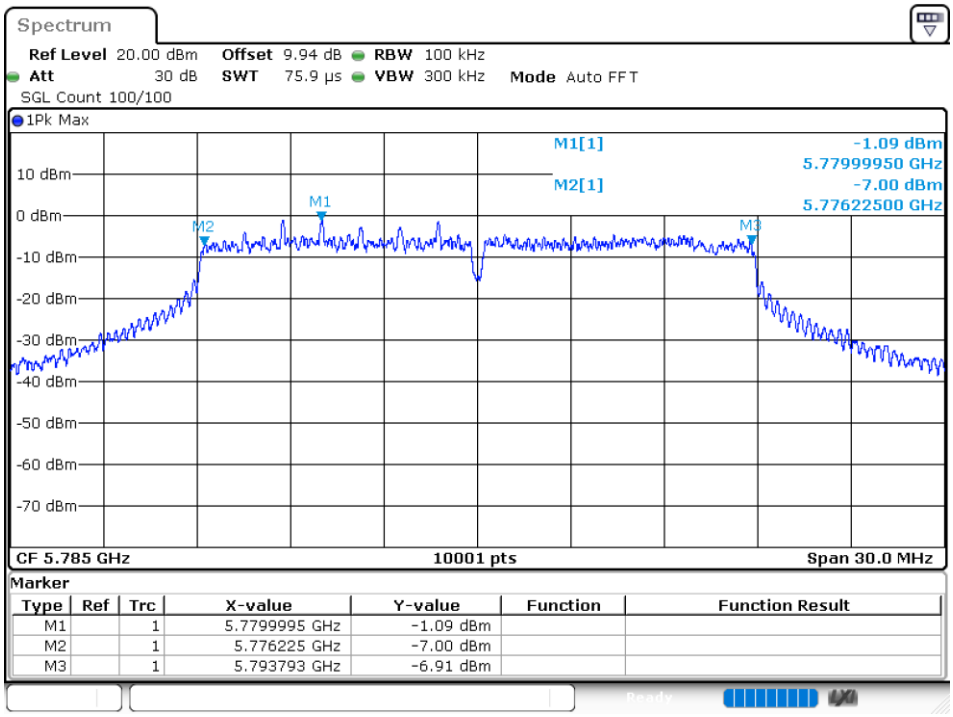
-6dB Bandwidth NVNT a 5825MHz Ant1



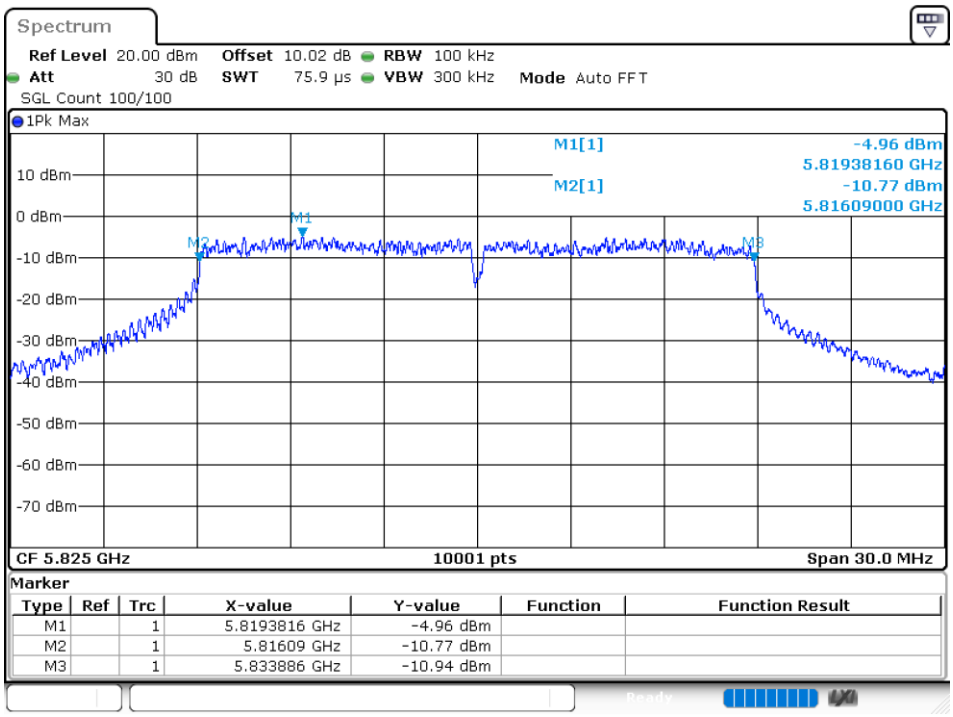
-6dB Bandwidth NVNT n20 5745MHz Ant1



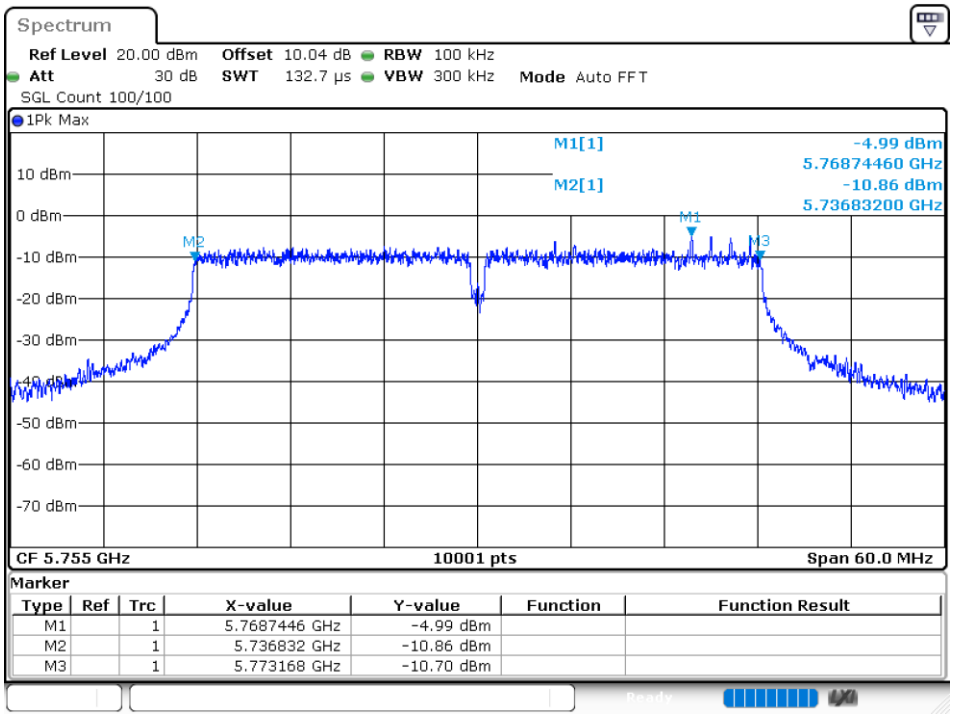
-6dB Bandwidth NVNT n20 5785MHz Ant1



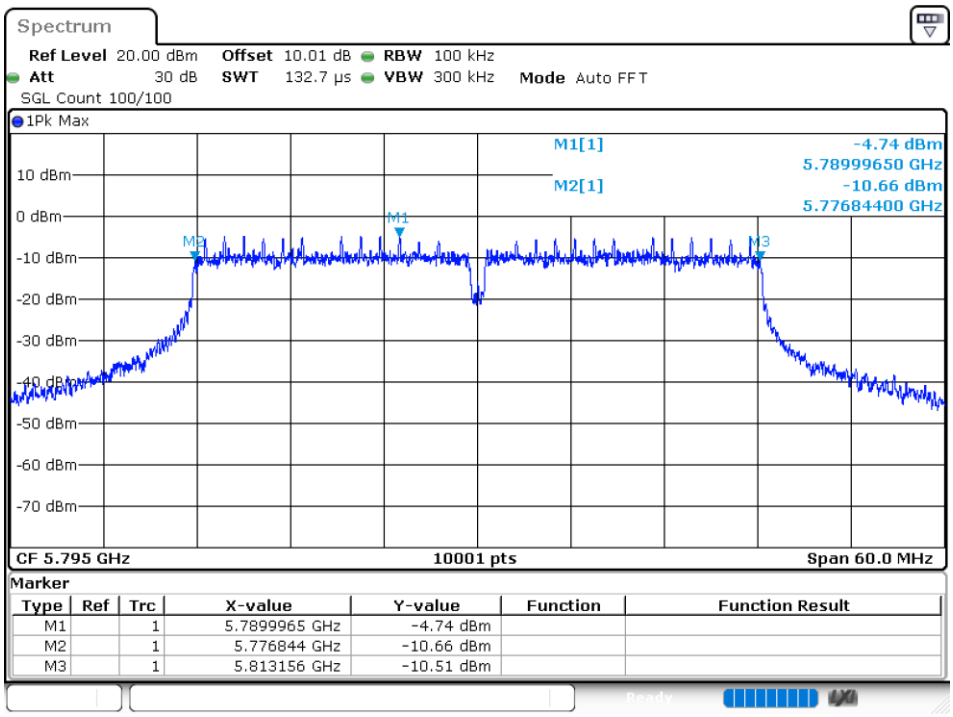
-6dB Bandwidth NVNT n20 5825MHz Ant1



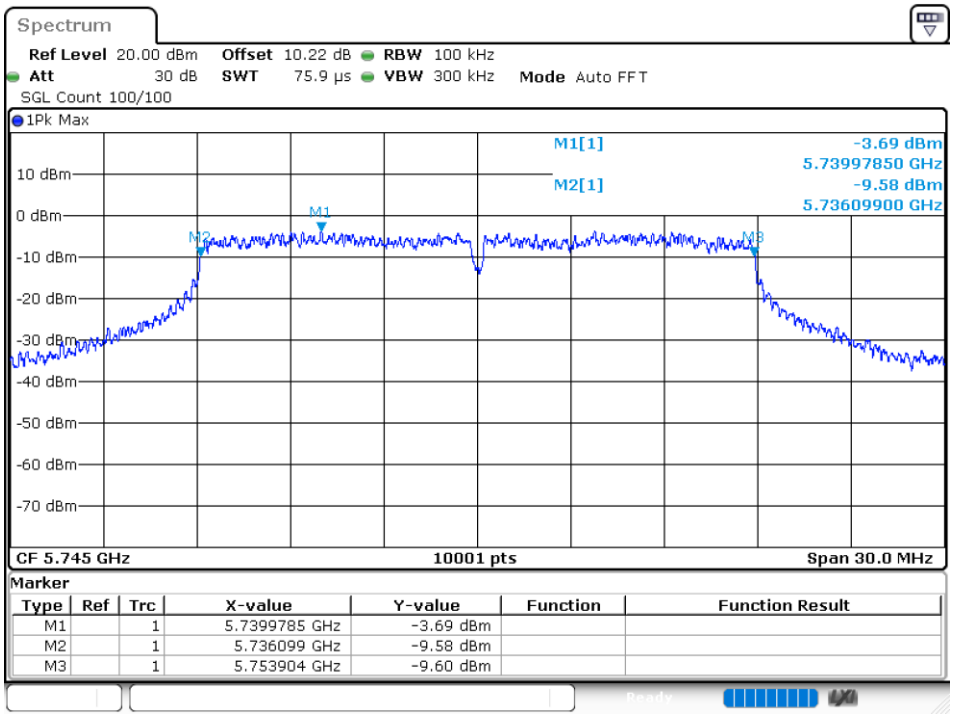
-6dB Bandwidth NVNT n40 5755MHz Ant1



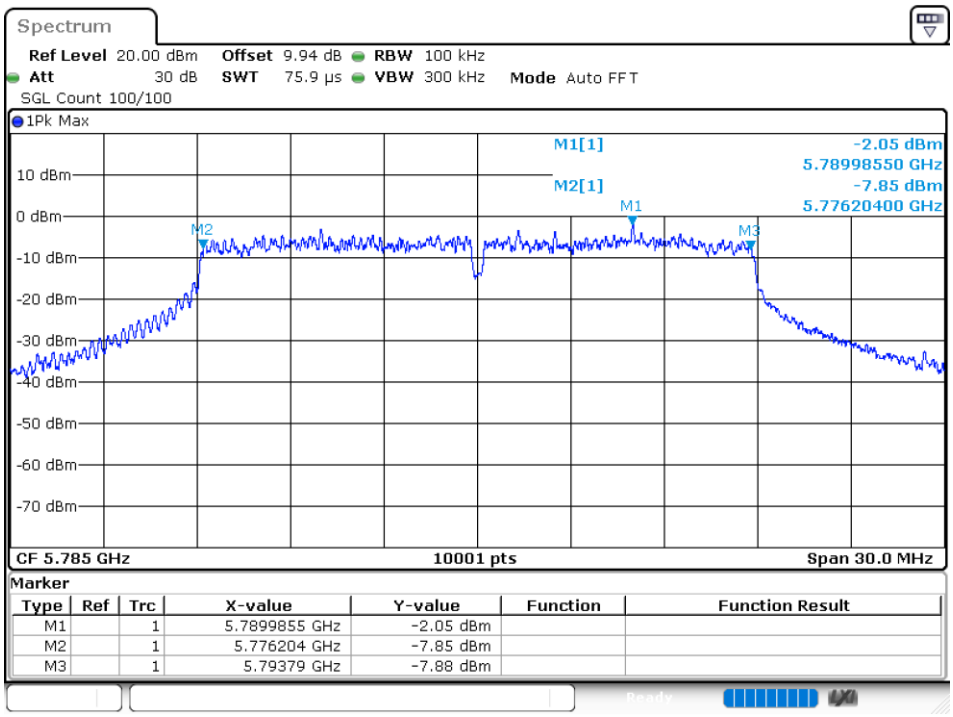
-6dB Bandwidth NVNT n40 5795MHz Ant1



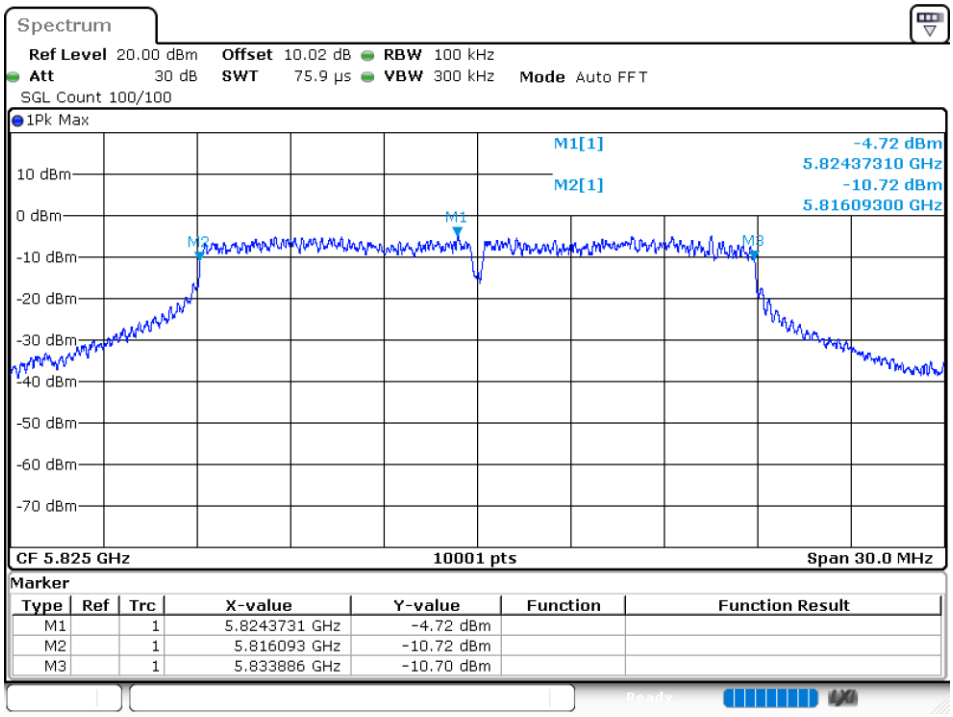
-6dB Bandwidth NVNT ac20 5745MHz Ant1



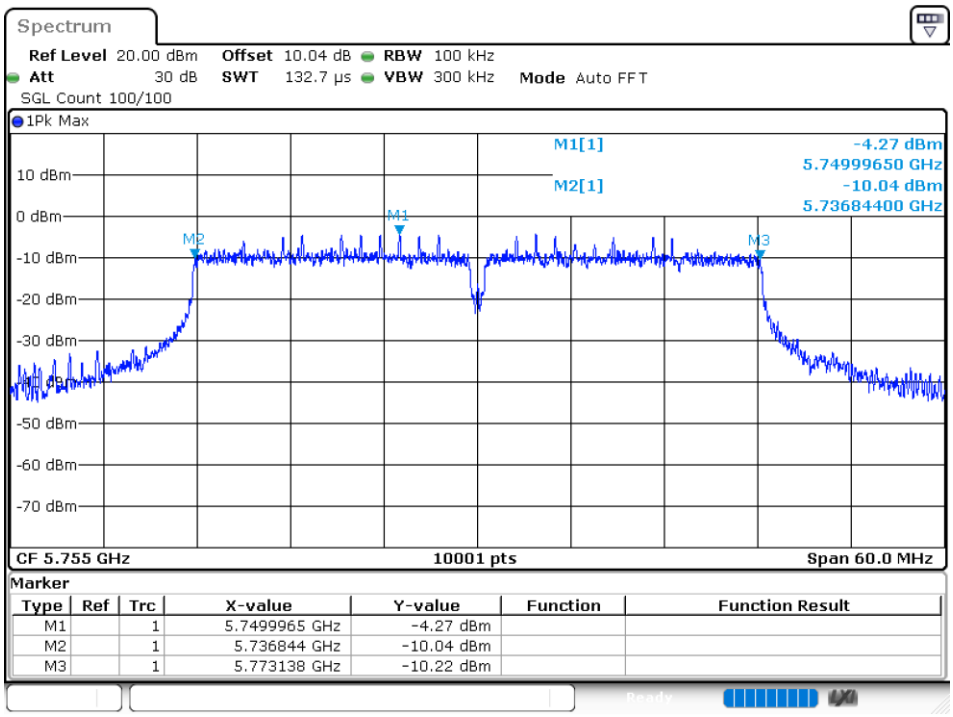
-6dB Bandwidth NVNT ac20 5785MHz Ant1



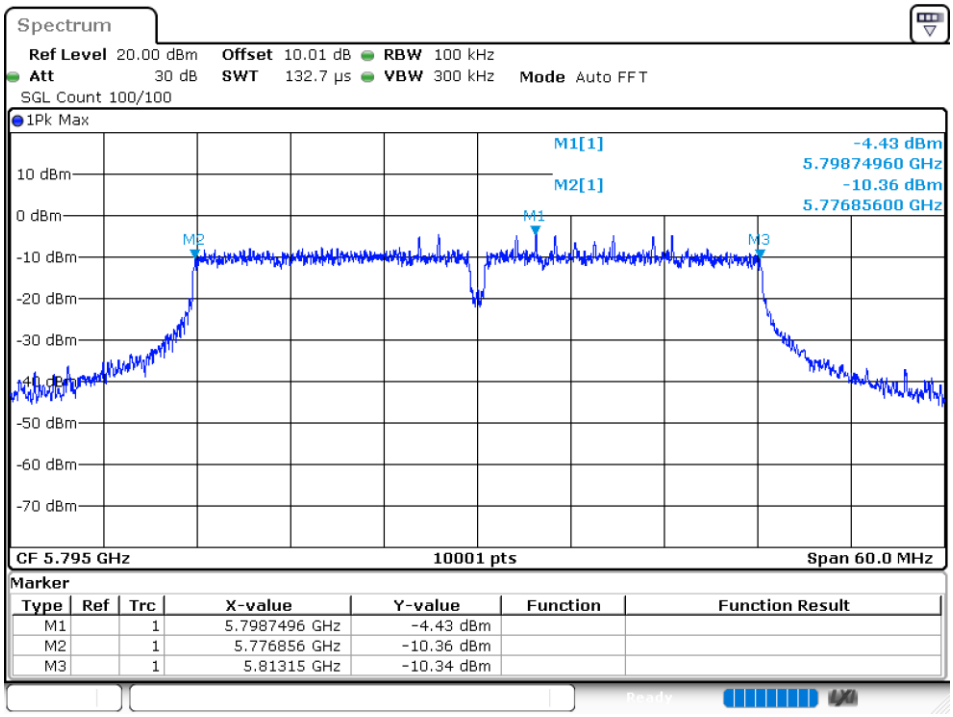
-6dB Bandwidth NVNT ac20 5825MHz Ant1



-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1

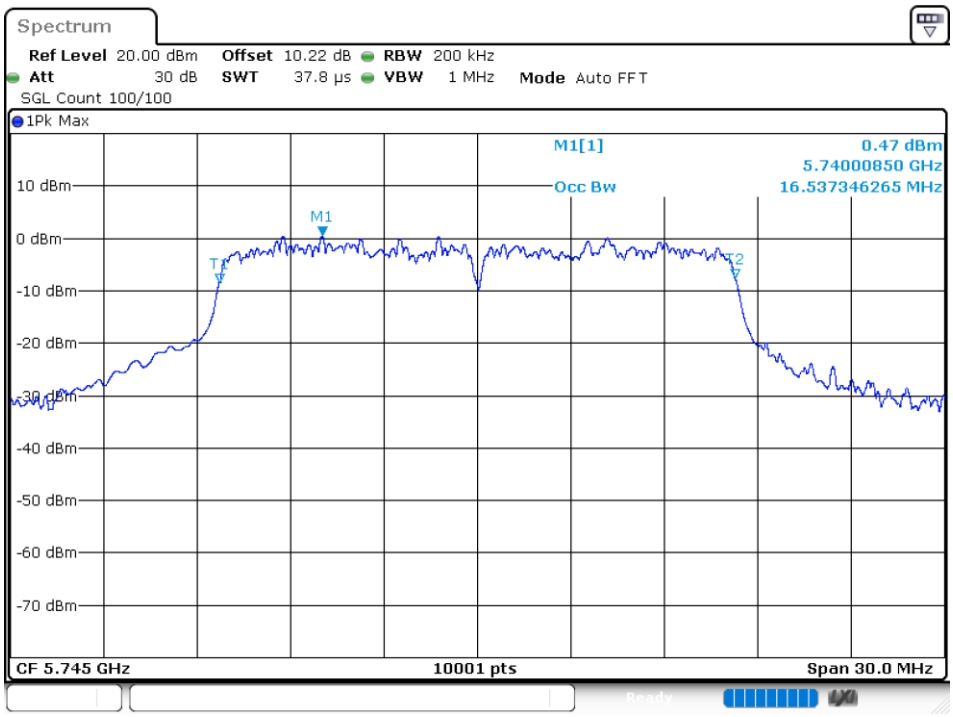


Occupied Channel Bandwidth

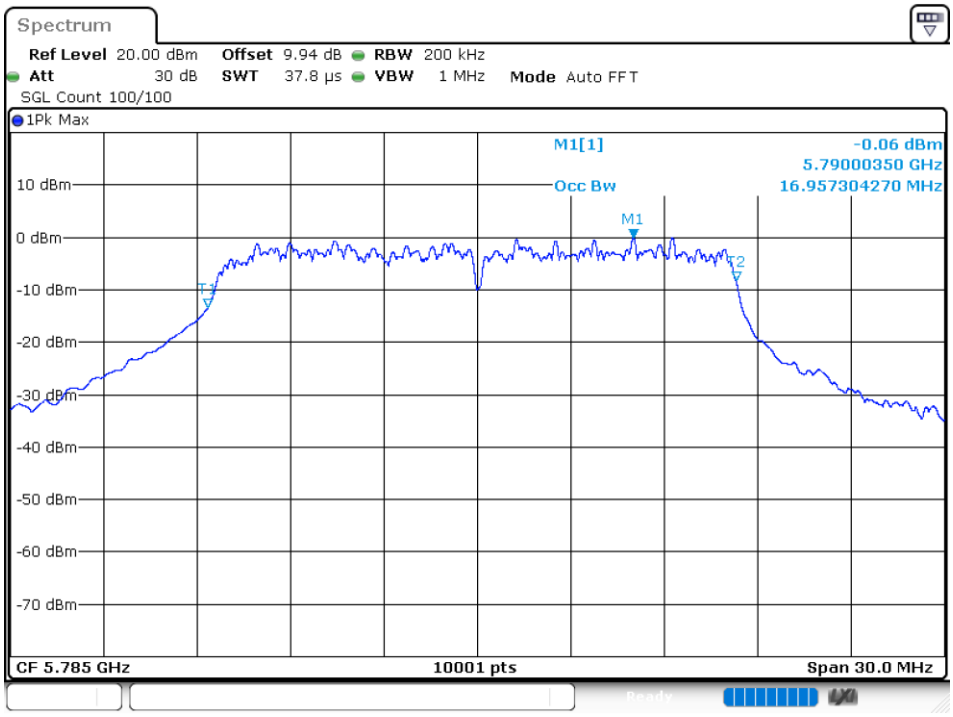
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.537
NVNT	a	5785	Ant1	16.957
NVNT	a	5825	Ant1	16.612
NVNT	n20	5745	Ant1	18.097
NVNT	n20	5785	Ant1	18.001
NVNT	n20	5825	Ant1	17.941
NVNT	n40	5755	Ant1	36.83
NVNT	n40	5795	Ant1	36.77
NVNT	ac20	5745	Ant1	17.875
NVNT	ac20	5785	Ant1	17.983
NVNT	ac20	5825	Ant1	17.998
NVNT	ac40	5755	Ant1	36.836
NVNT	ac40	5795	Ant1	36.758

Test Graphs

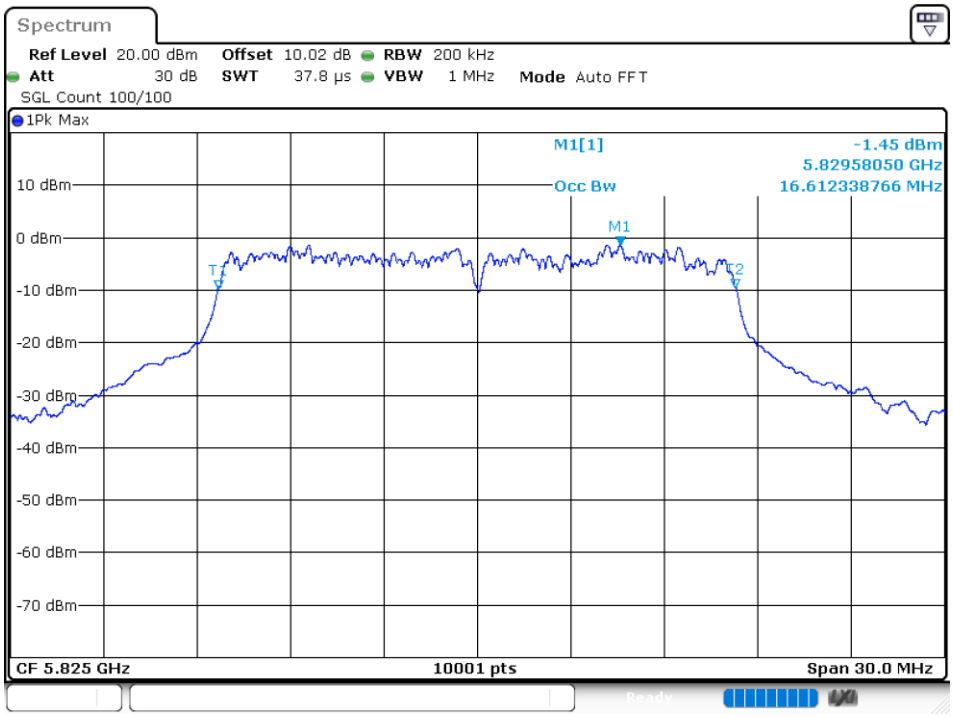
OBW NVNT a 5745MHz Ant1



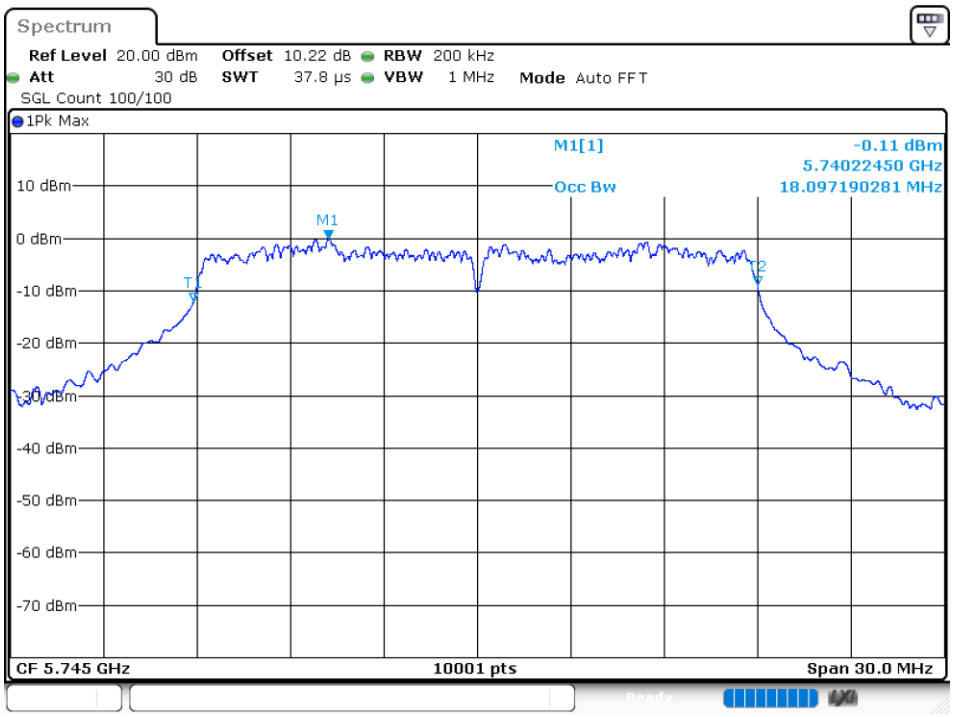
OBW NVNT a 5785MHz Ant1



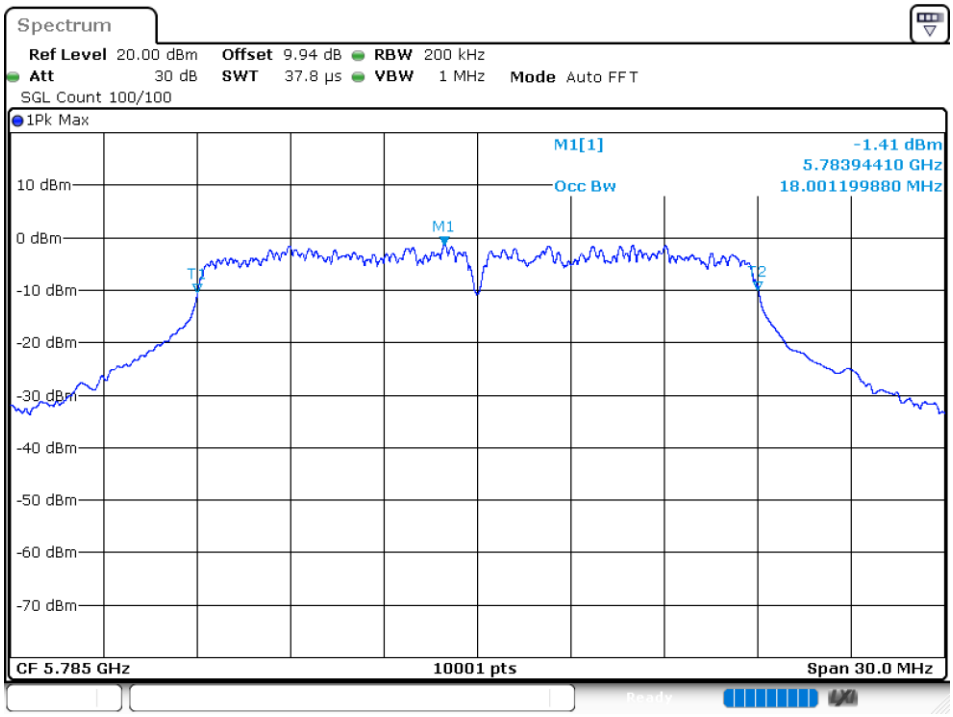
OBW NVNT a 5825MHz Ant1



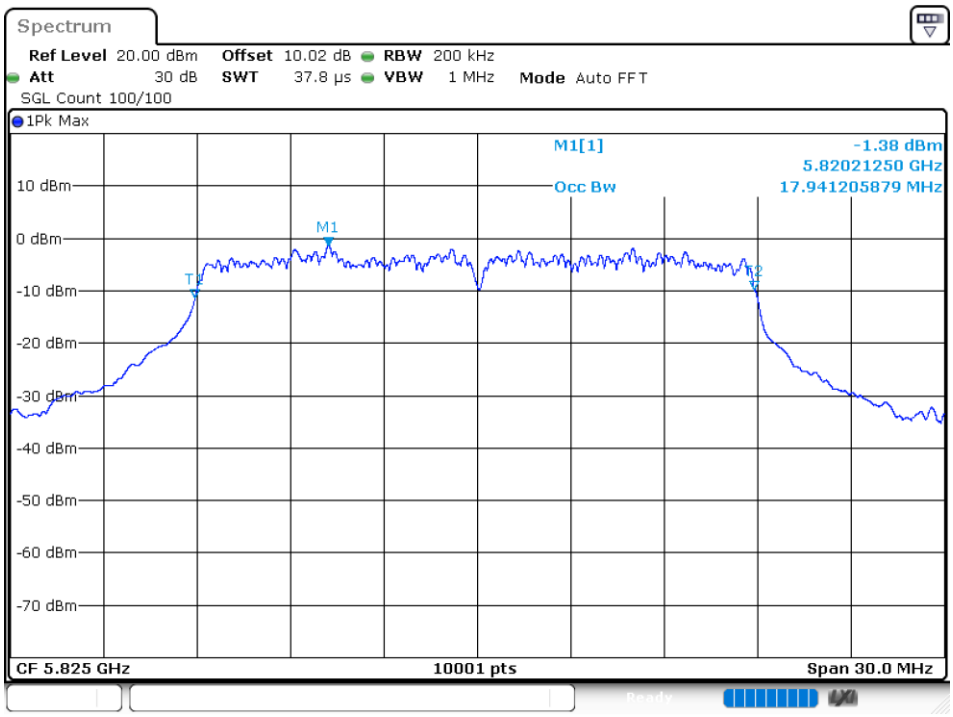
OBW NVNT n20 5745MHz Ant1



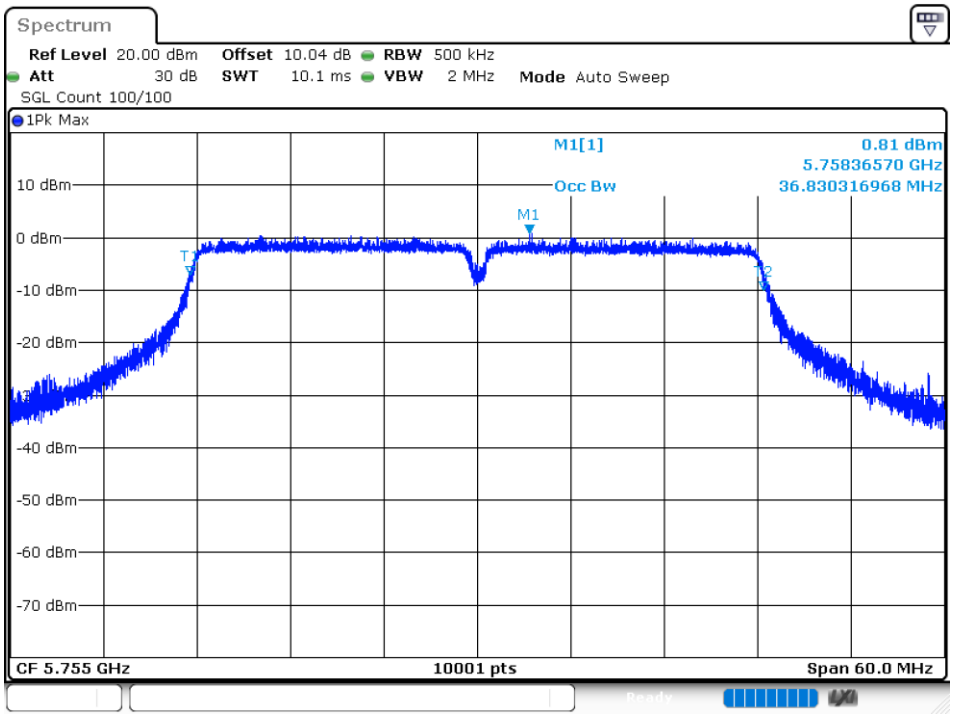
OBW NVNT n20 5785MHz Ant1



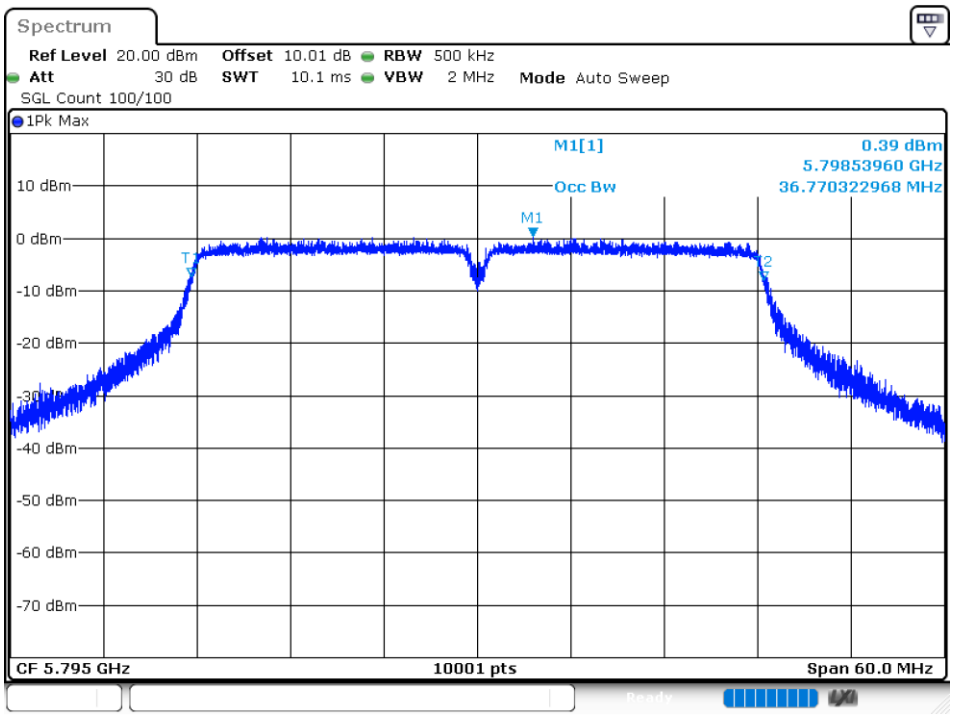
OBW NVNT n20 5825MHz Ant1



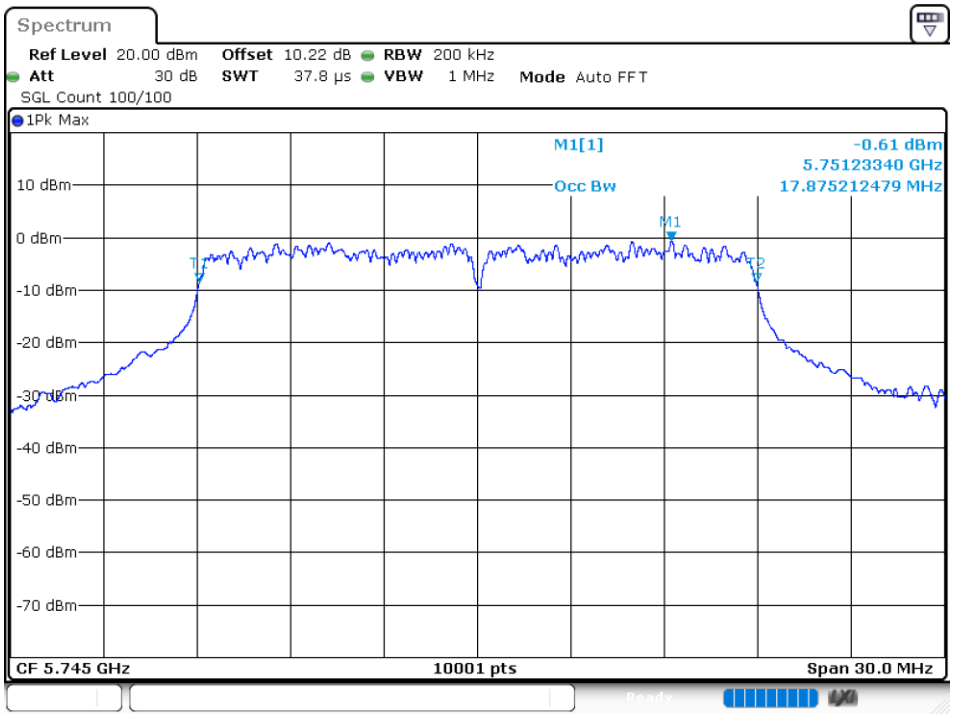
OBW NVNT n40 5755MHz Ant1



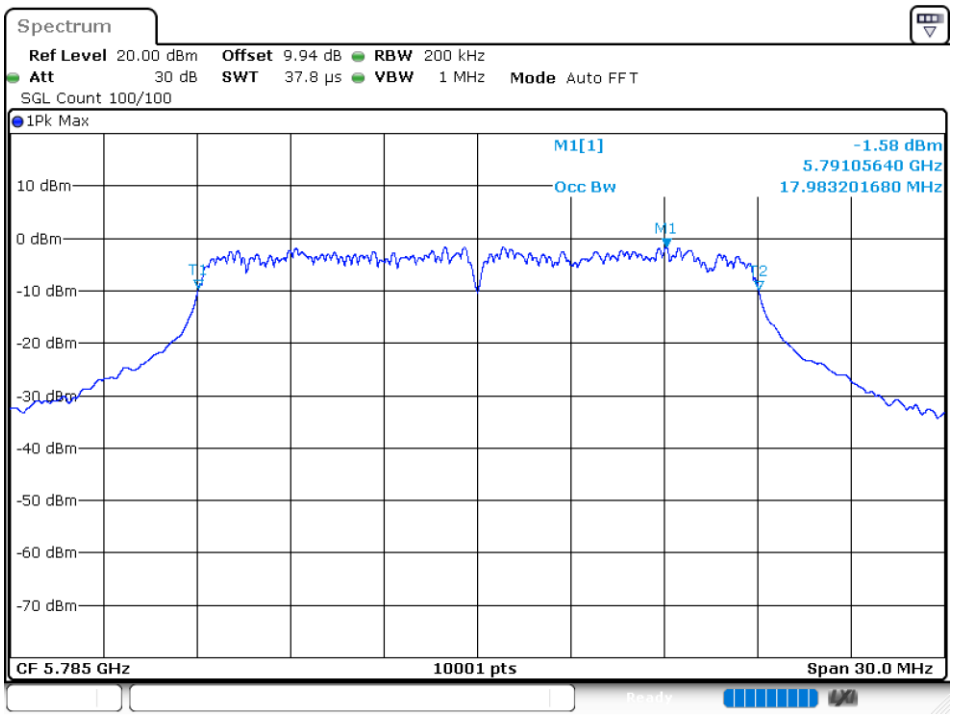
OBW NVNT n40 5795MHz Ant1



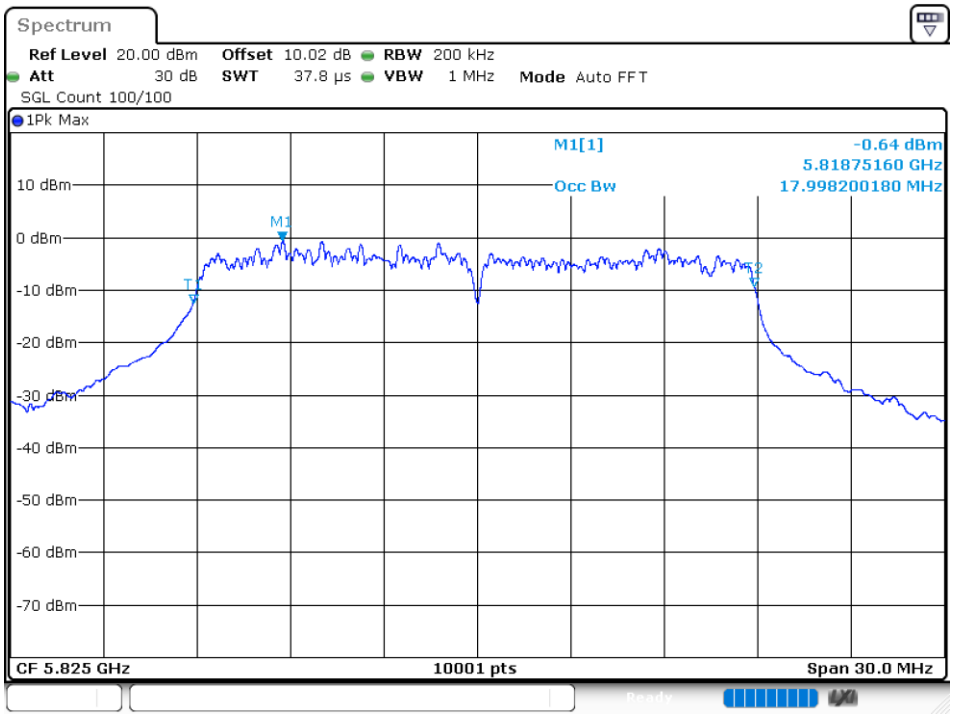
OBW NVNT ac20 5745MHz Ant1



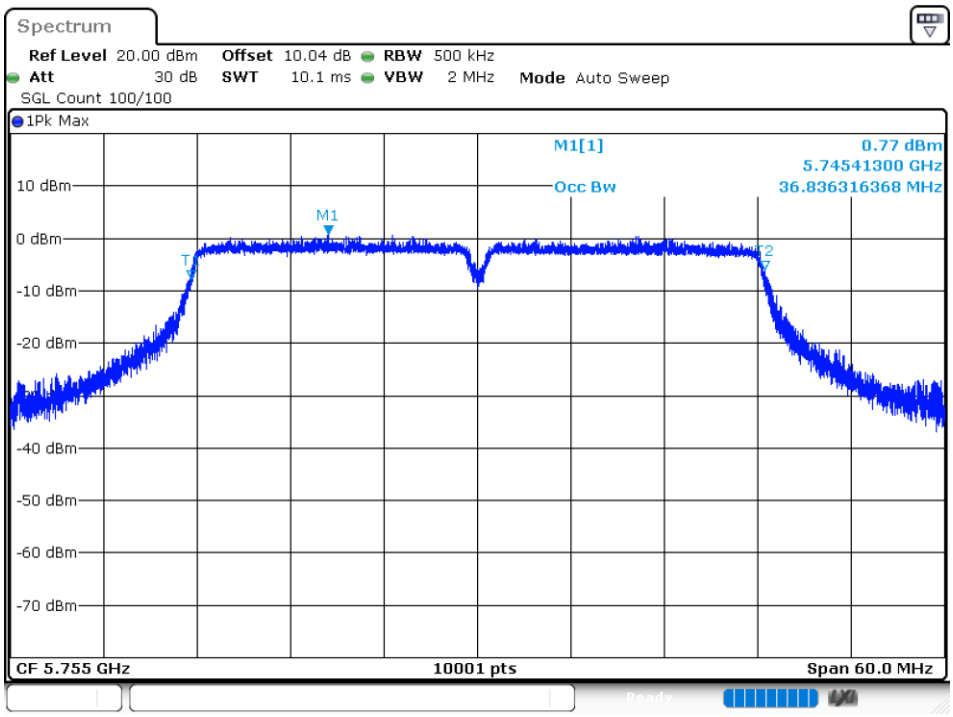
OBW NVNT ac20 5785MHz Ant1



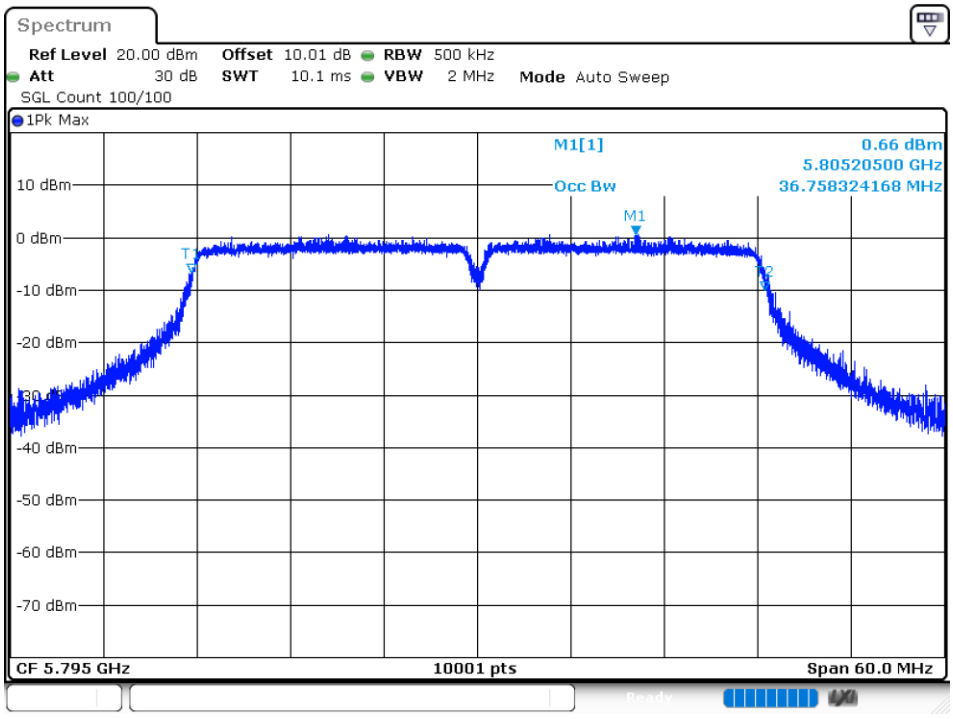
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1

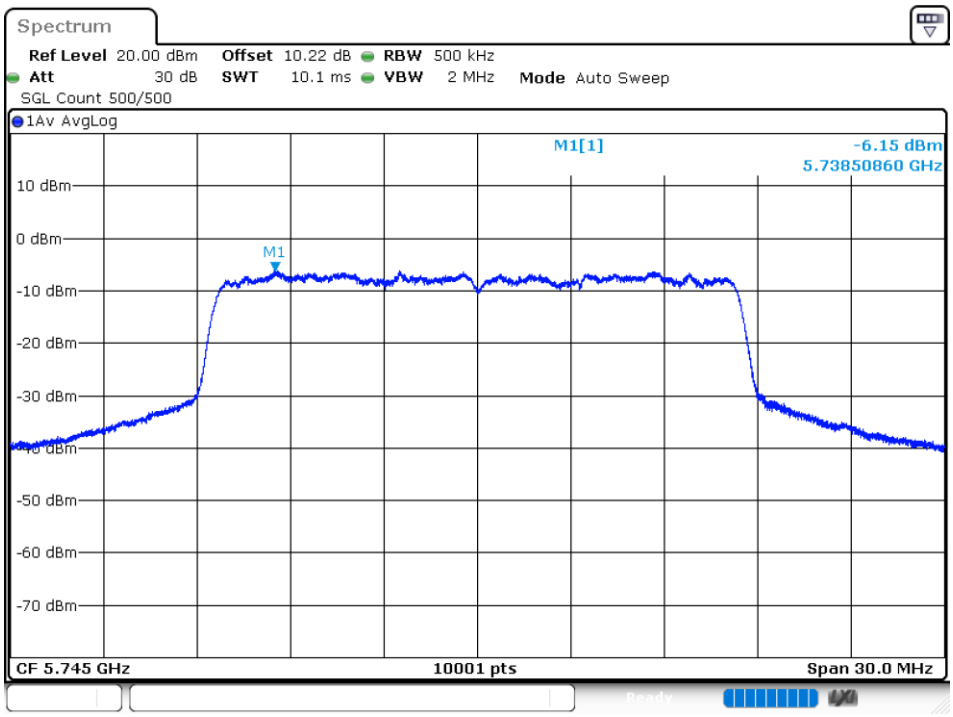


Maximum Power Spectral Density Level

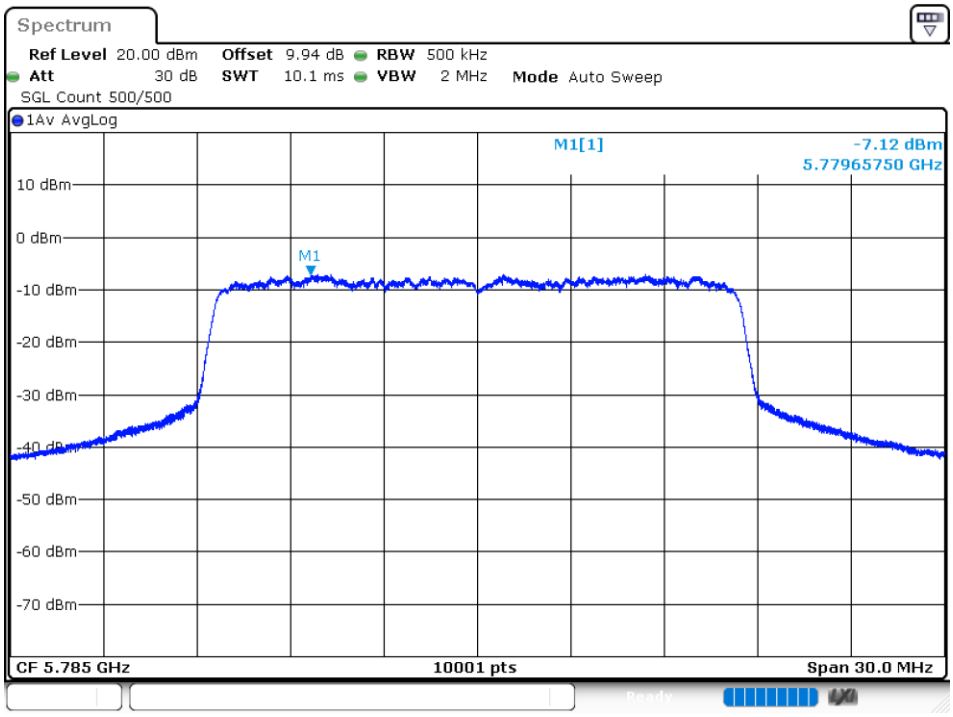
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-6.15	0.18	-5.97	30	Pass
NVNT	a	5785	Ant1	-7.12	0.23	-6.89	30	Pass
NVNT	a	5825	Ant1	-7.46	0.23	-7.23	30	Pass
NVNT	n20	5745	Ant1	-6.69	0.22	-6.47	30	Pass
NVNT	n20	5785	Ant1	-7.33	0.23	-7.1	30	Pass
NVNT	n20	5825	Ant1	-7.99	0.21	-7.78	30	Pass
NVNT	n40	5755	Ant1	-12.68	0.68	-12	30	Pass
NVNT	n40	5795	Ant1	-12.39	0.45	-11.94	30	Pass
NVNT	ac20	5745	Ant1	-6.82	0.23	-6.59	30	Pass
NVNT	ac20	5785	Ant1	-7.38	0.25	-7.13	30	Pass
NVNT	ac20	5825	Ant1	-8.11	0.23	-7.88	30	Pass
NVNT	ac40	5755	Ant1	-12.31	0.37	-11.94	30	Pass
NVNT	ac40	5795	Ant1	-12.58	0.65	-11.93	30	Pass

Test Graphs

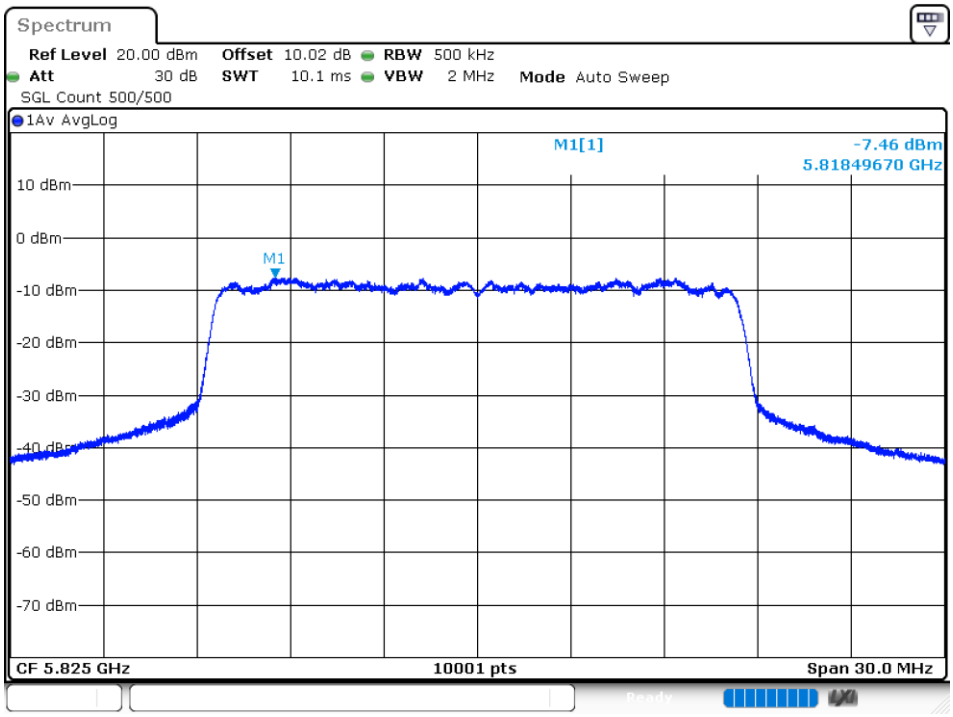
PSD NVNT a 5745MHz Ant1



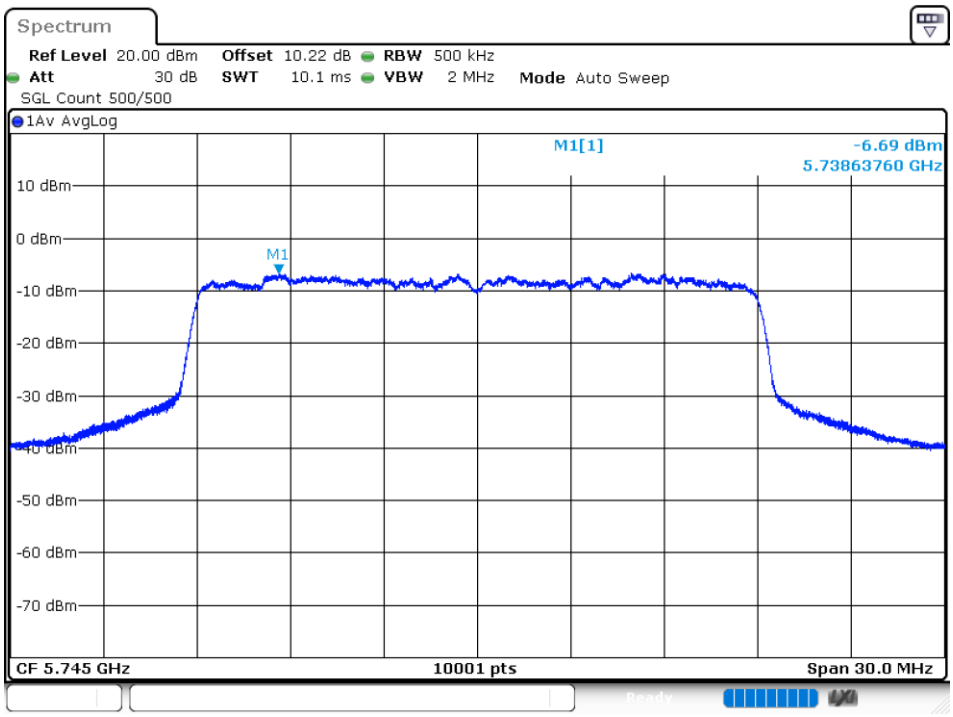
PSD NVNT a 5785MHz Ant1



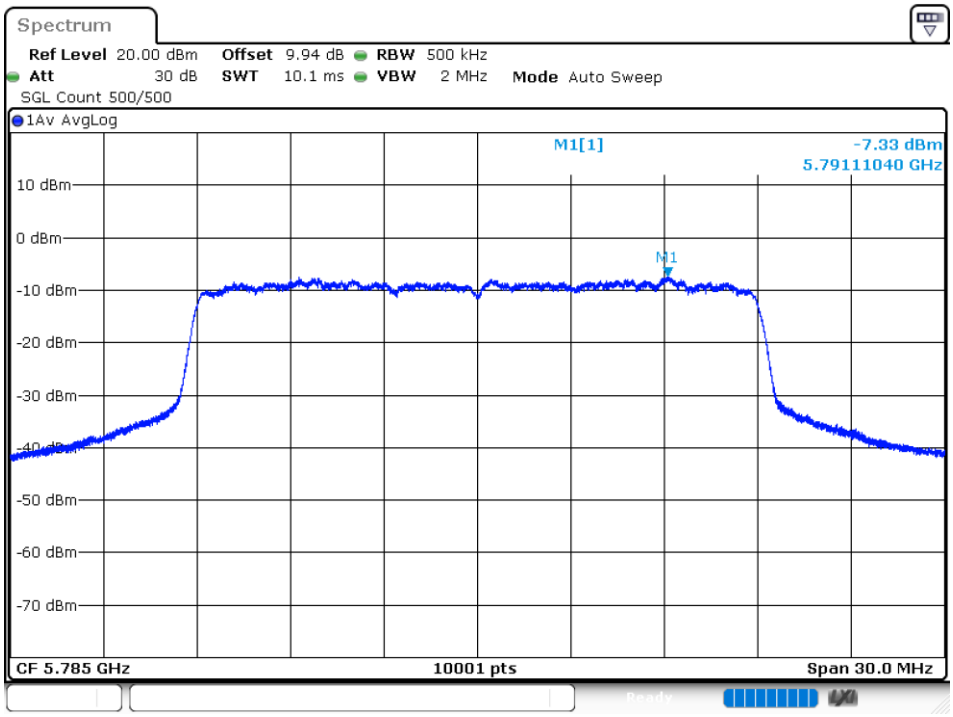
PSD NVNT a 5825MHz Ant1



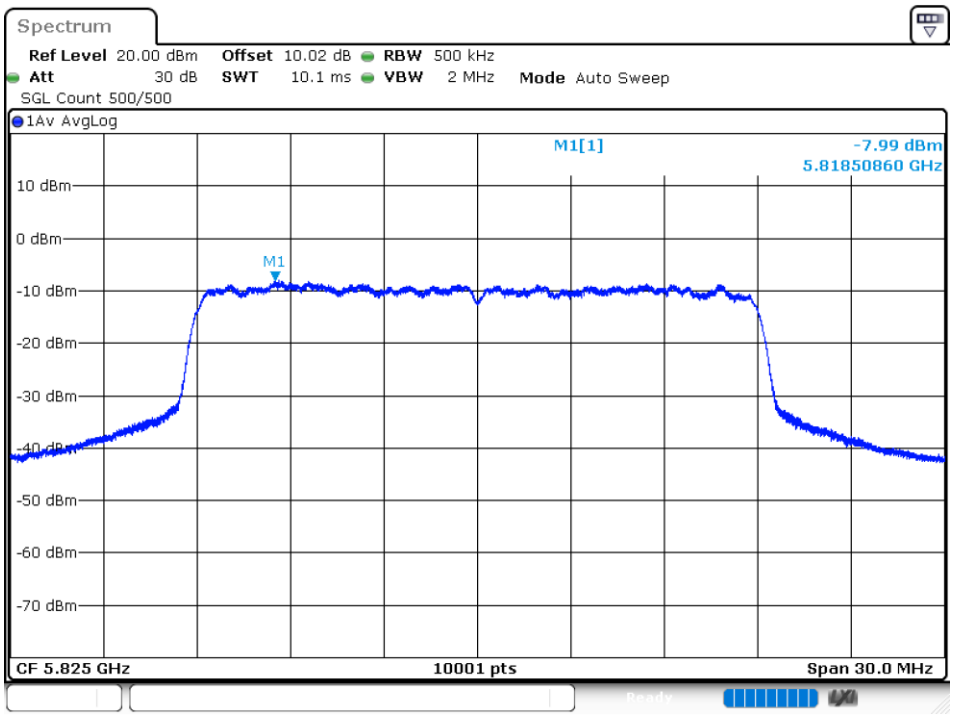
PSD NVNT n20 5745MHz Ant1



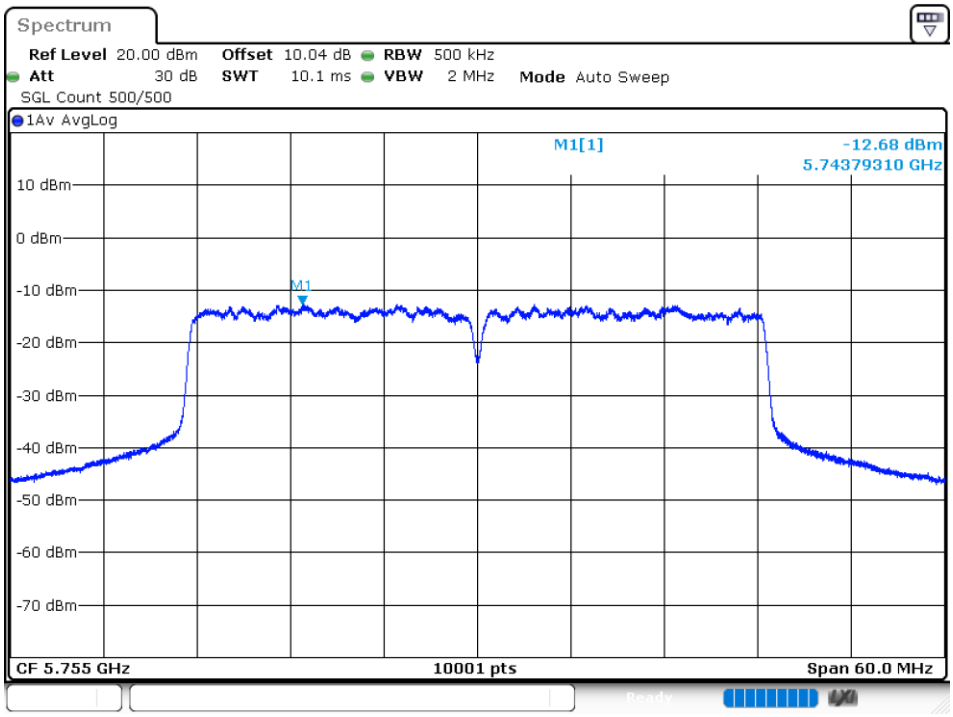
PSD NVNT n20 5785MHz Ant1



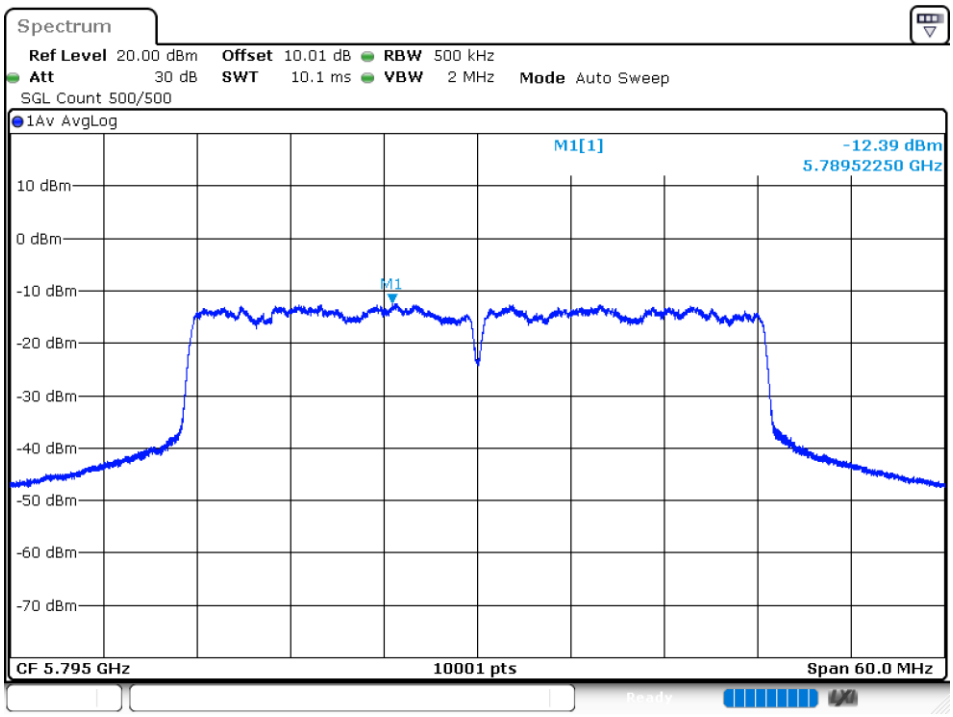
PSD NVNT n20 5825MHz Ant1



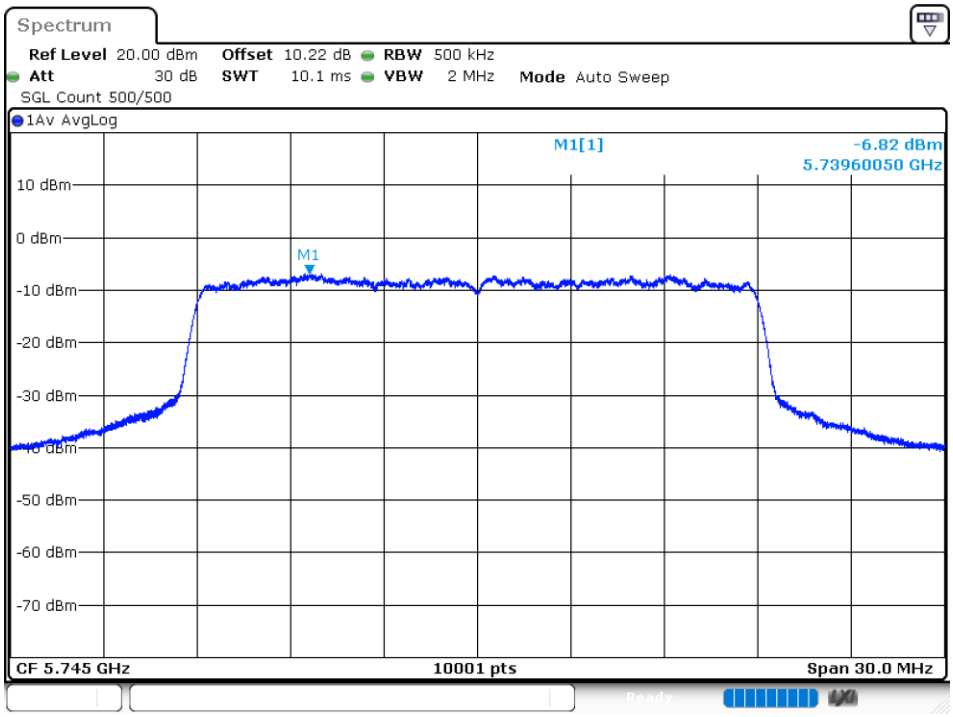
PSD NVNT n40 5755MHz Ant1



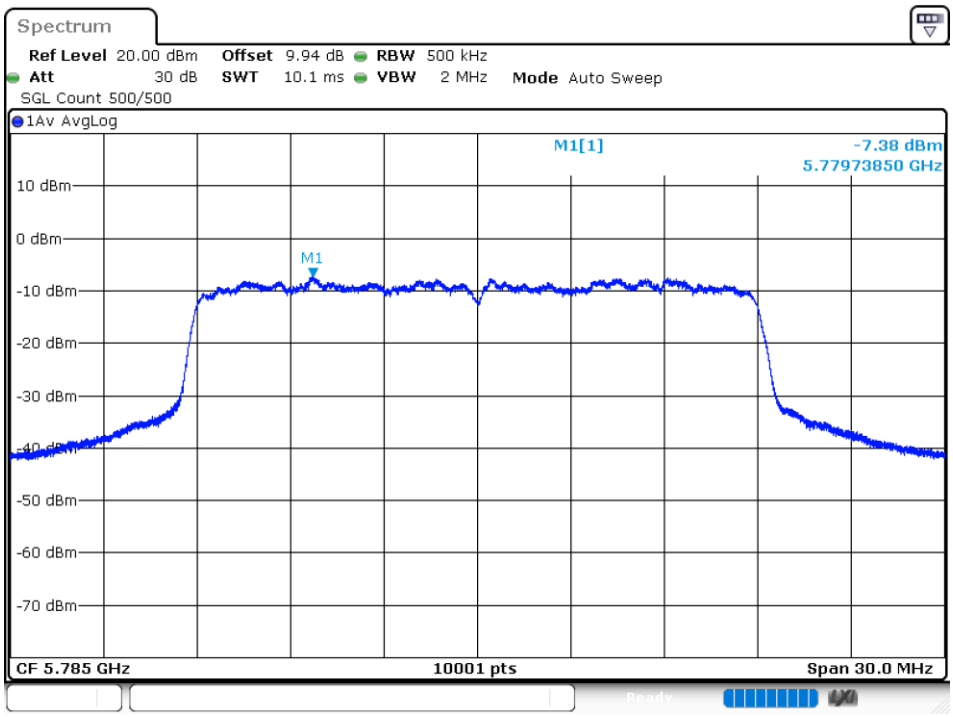
PSD NVNT n40 5795MHz Ant1



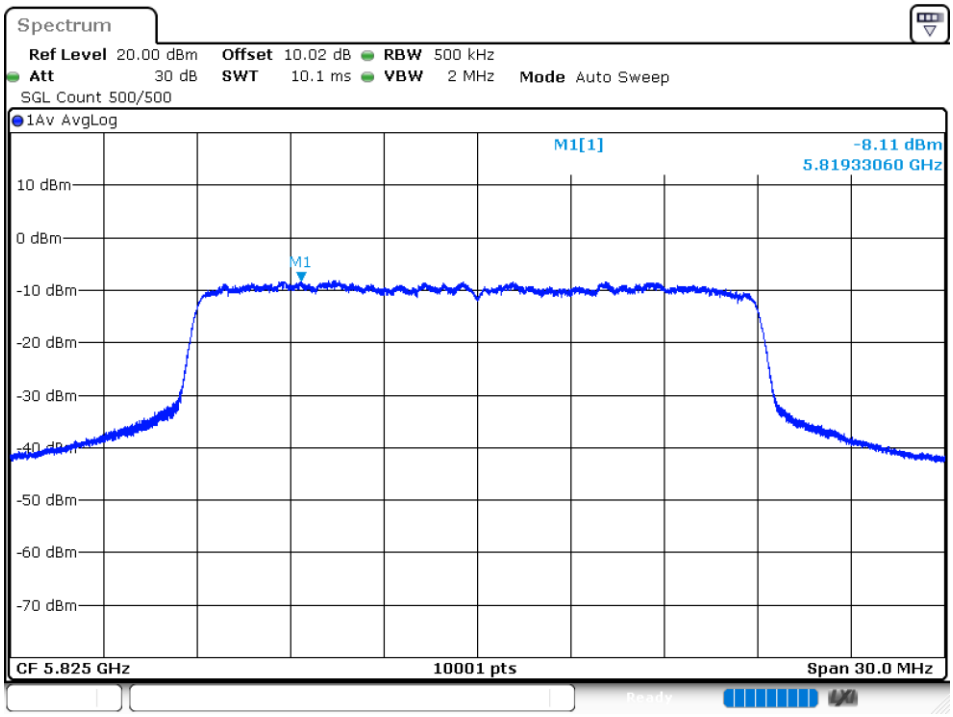
PSD NVNT ac20 5745MHz Ant1



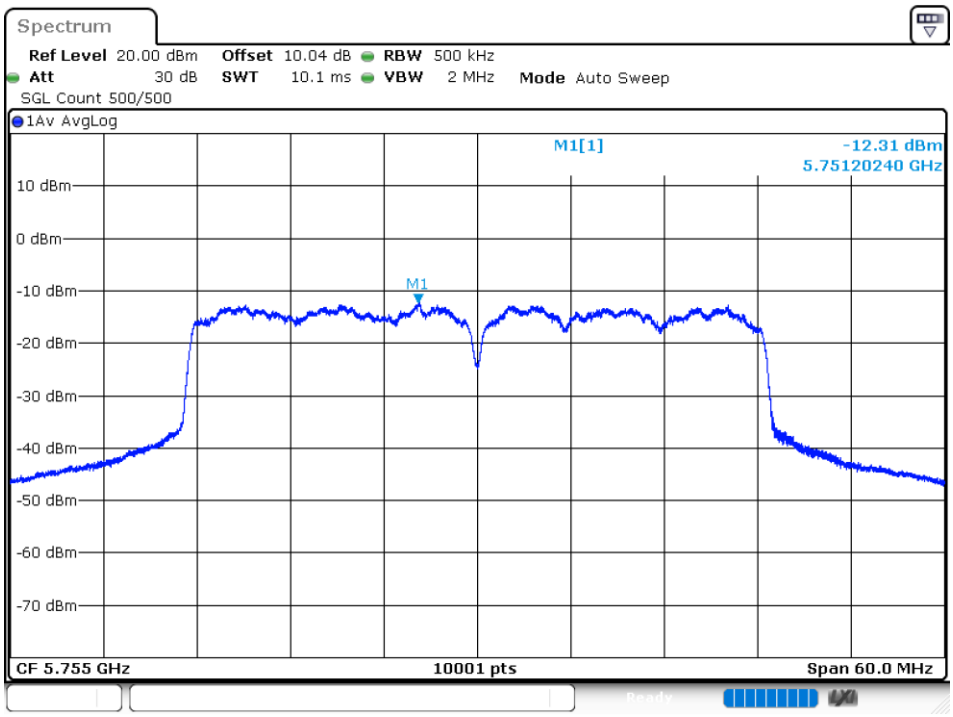
PSD NVNT ac20 5785MHz Ant1



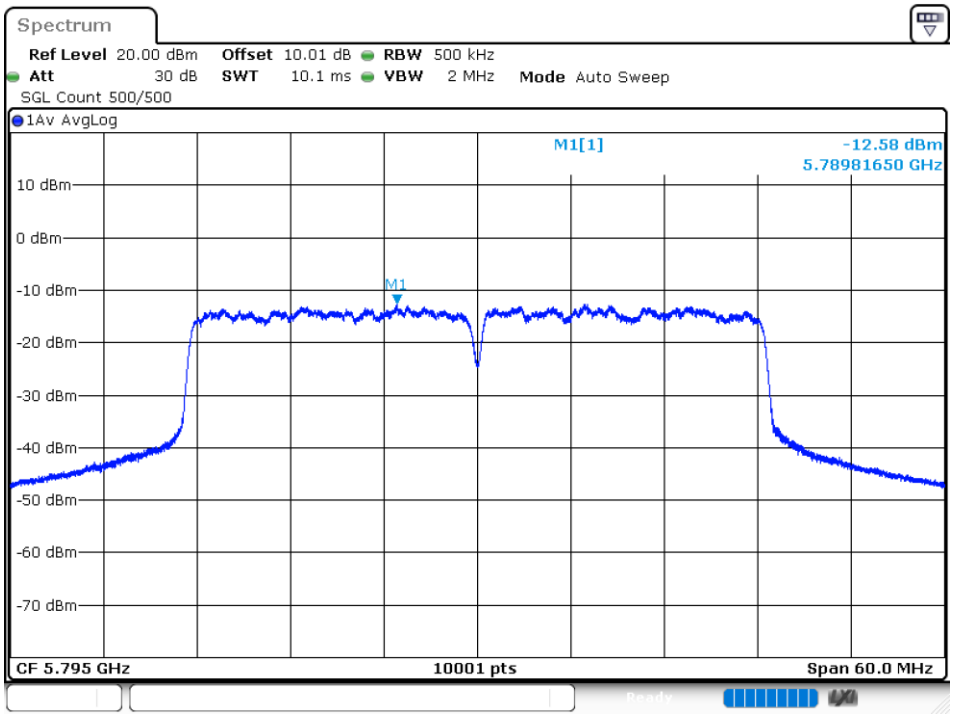
PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1

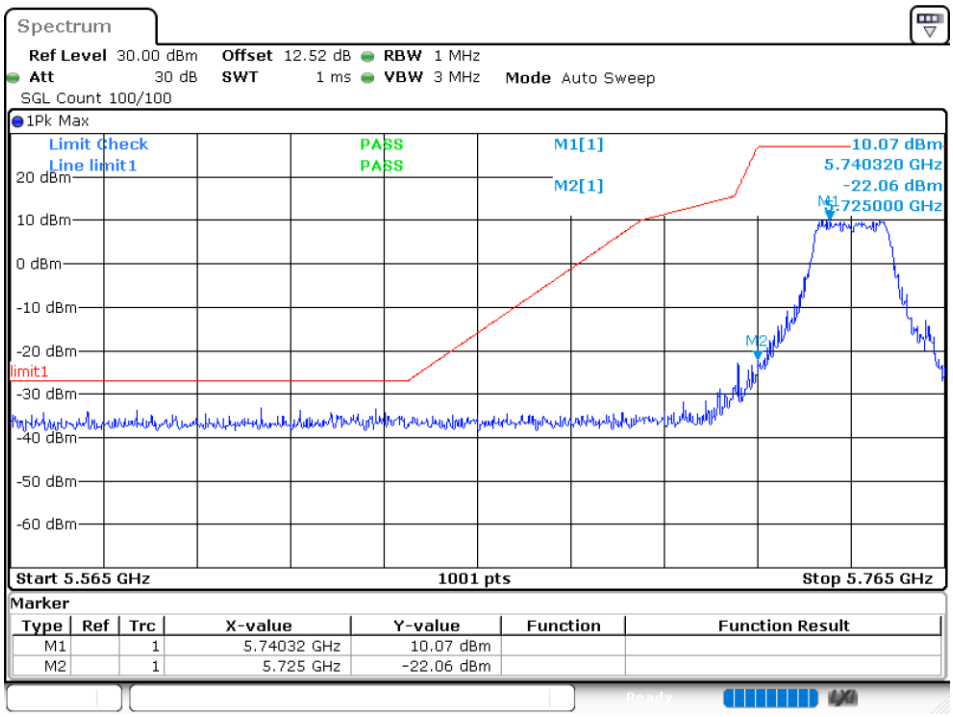


Band Edge

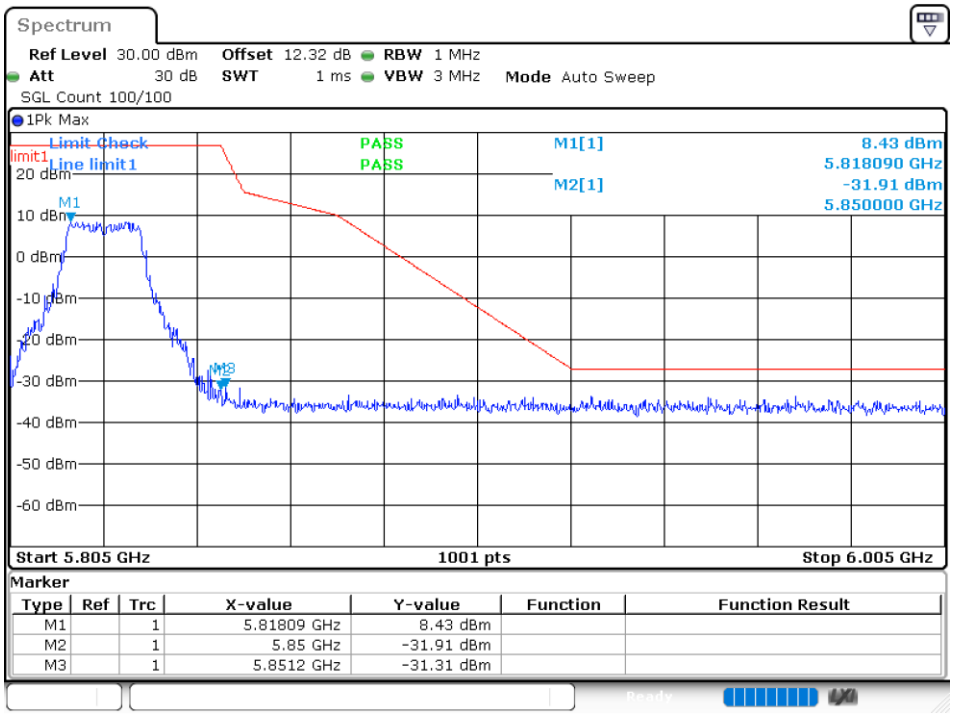
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-22.05		Pass
NVNT	a	5825	Ant1	-31.3		Pass
NVNT	n20	5745	Ant1	-22.29		Pass
NVNT	n20	5825	Ant1	-30.33		Pass
NVNT	n40	5755	Ant1	-23.46		Pass
NVNT	n40	5795	Ant1	-33		Pass
NVNT	ac20	5745	Ant1	-22.98		Pass
NVNT	ac20	5825	Ant1	-29.35		Pass
NVNT	ac40	5755	Ant1	-20.84		Pass
NVNT	ac40	5795	Ant1	-32.65		Pass

Test Graphs

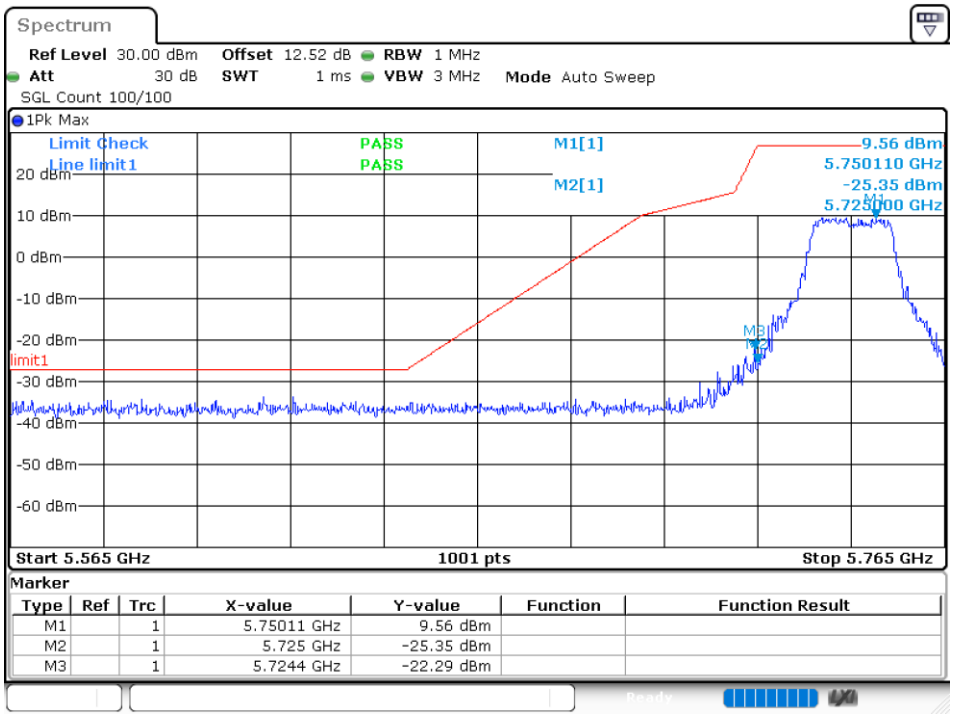
Band Edge NVNT a 5745MHz Low Ant1



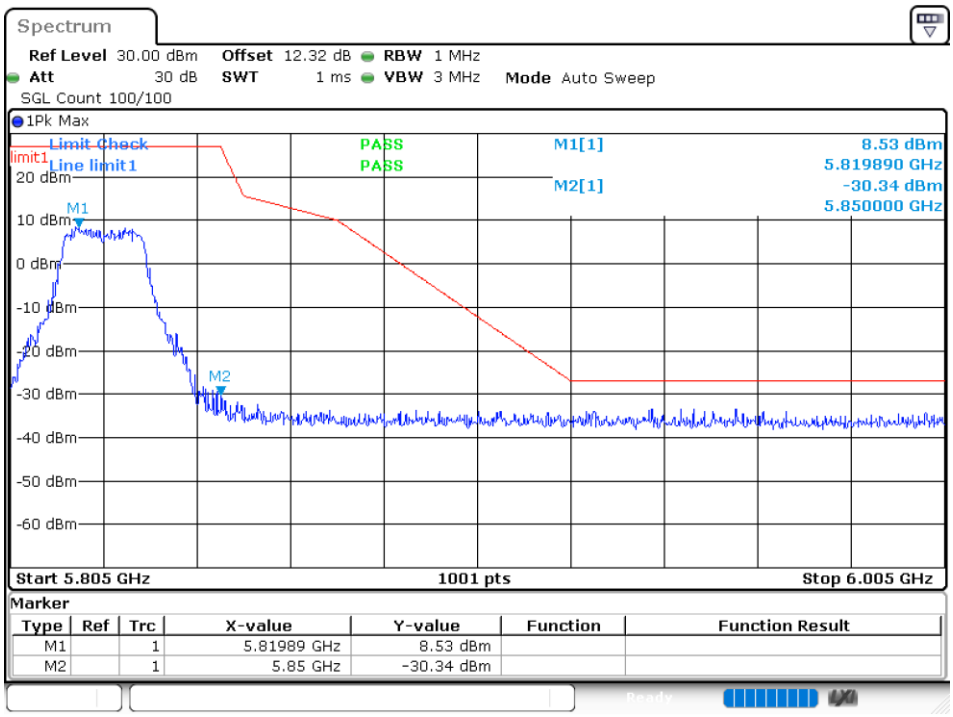
Band Edge NVNT a 5825MHz High Ant1



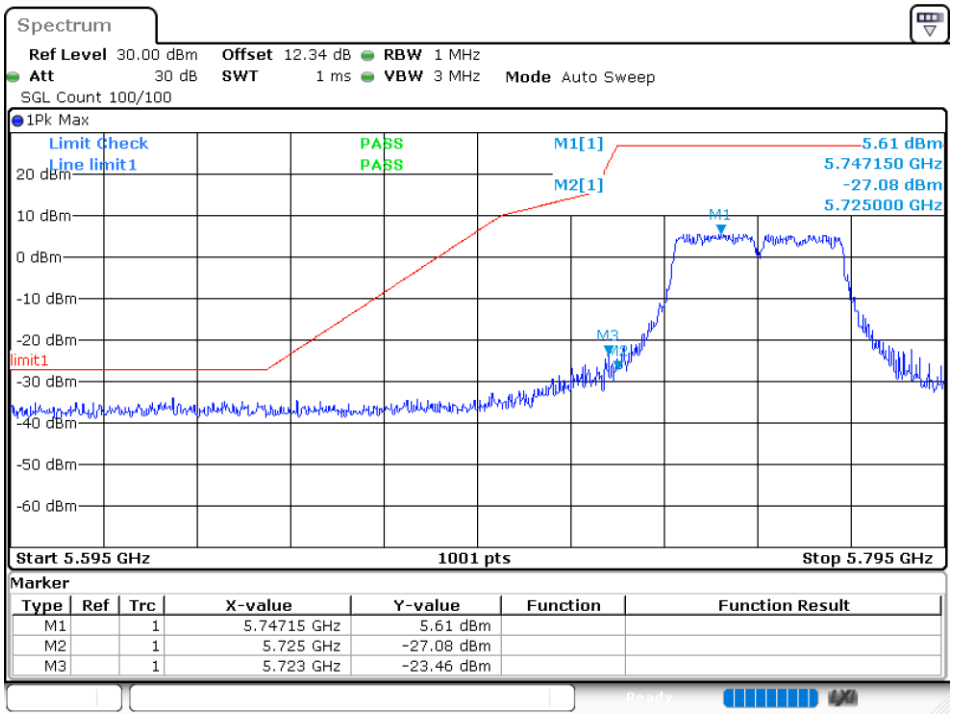
Band Edge NVNT n20 5745MHz Low Ant1



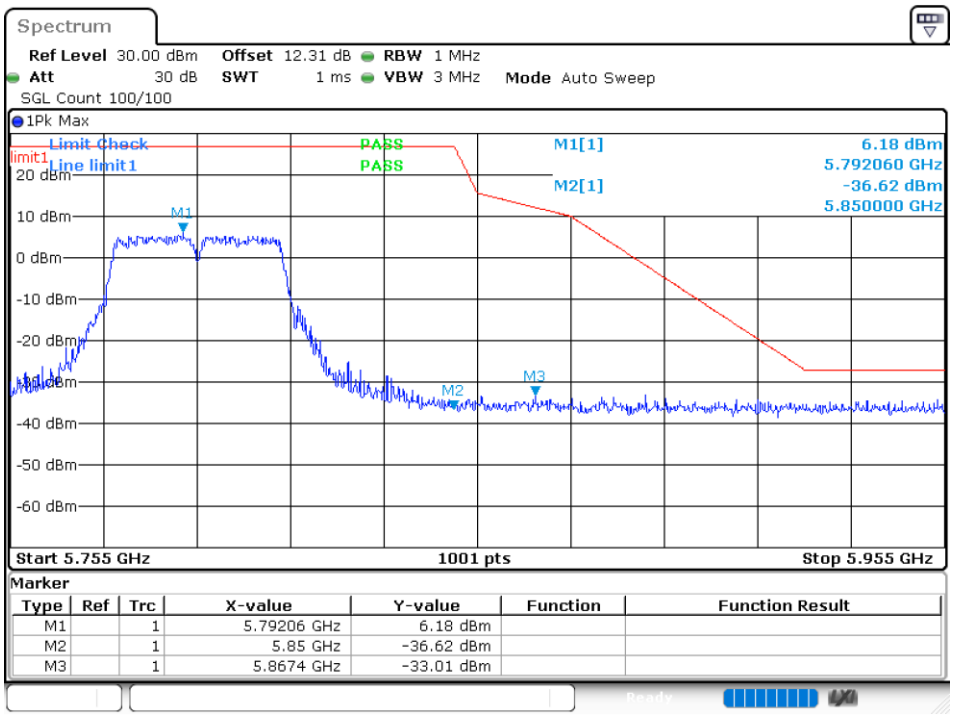
Band Edge NVNT n20 5825MHz High Ant1



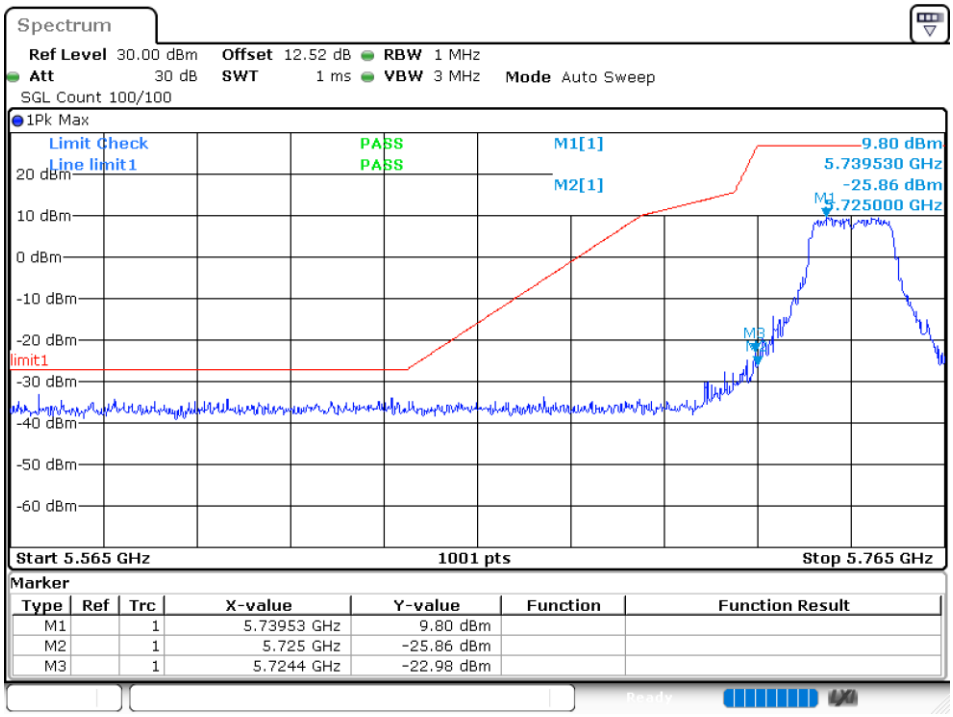
Band Edge NVNT n40 5755MHz Low Ant1



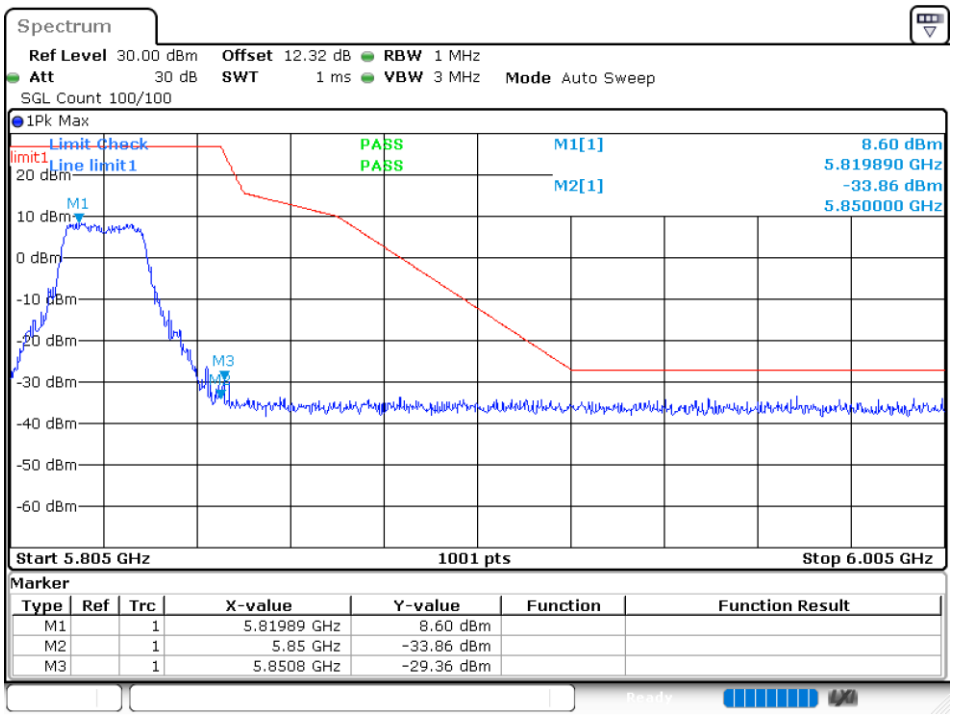
Band Edge NVNT n40 5795MHz High Ant1



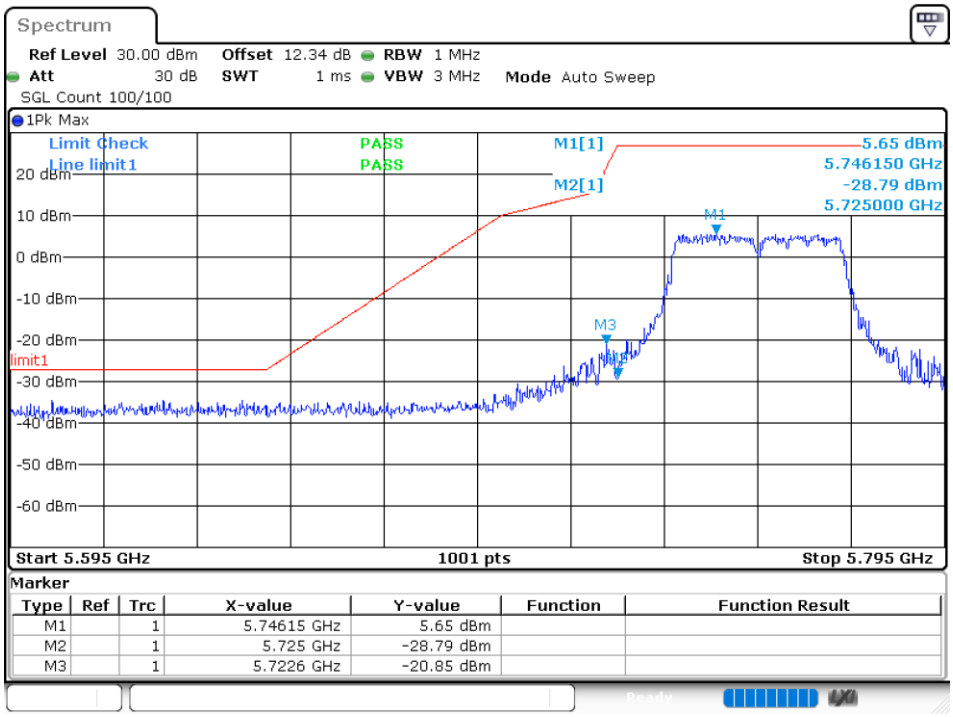
Band Edge NVNT ac20 5745MHz Low Ant1



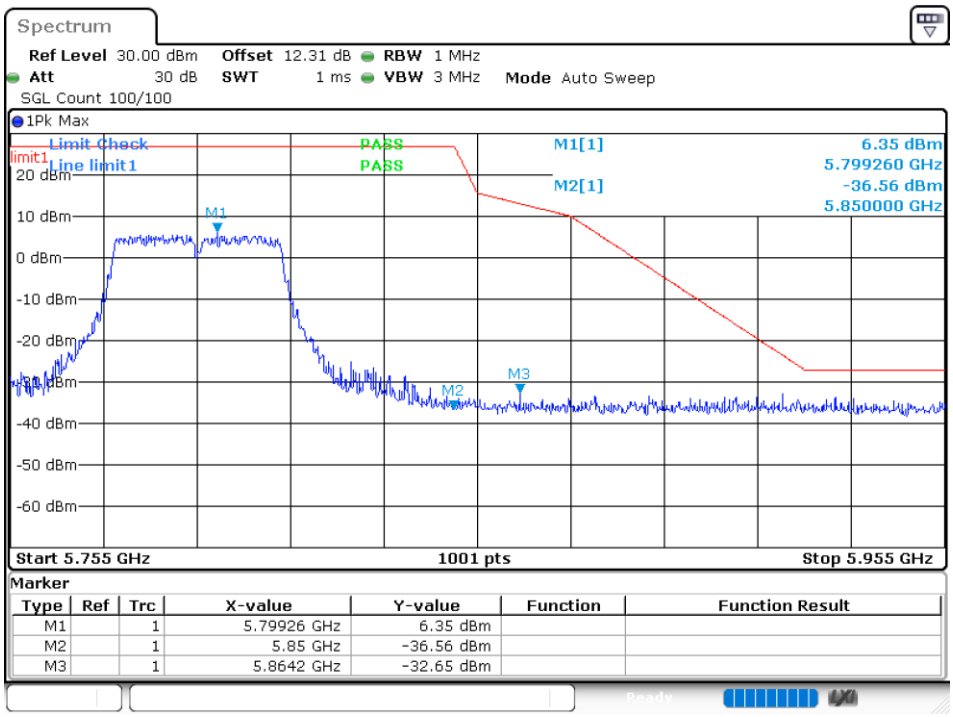
Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1

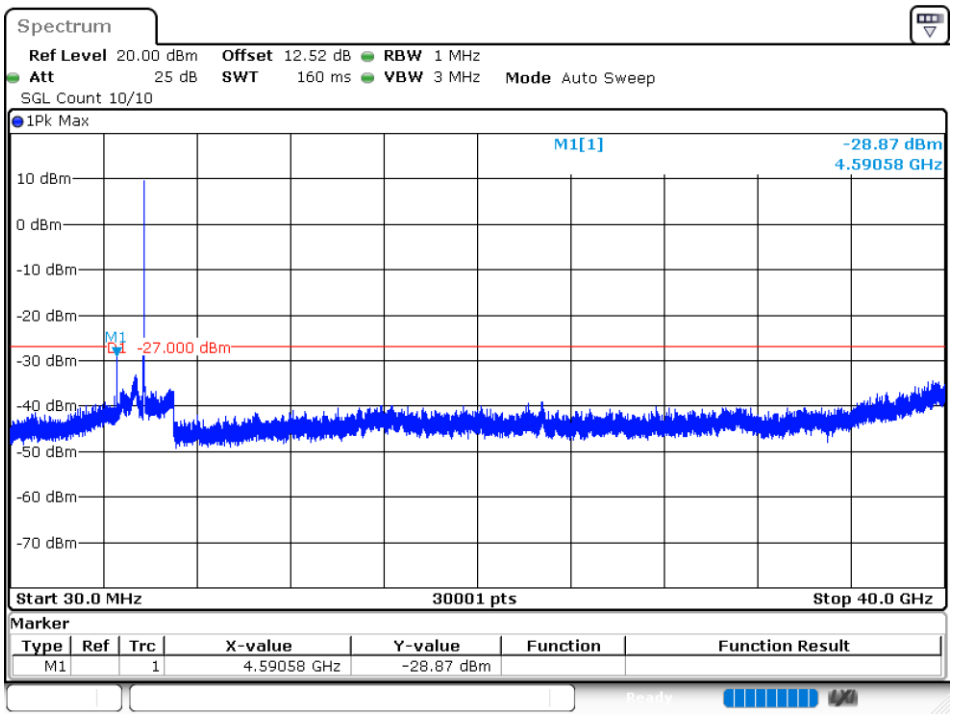


Conducted RF Spurious Emission

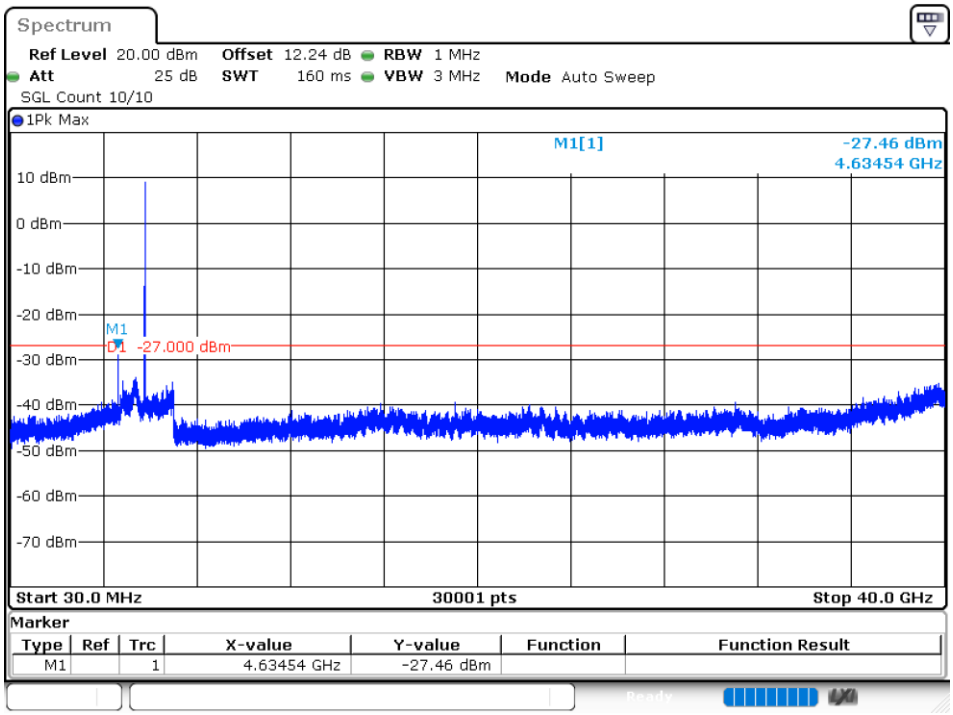
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-28.87	-27	Pass
NVNT	a	5785	Ant1	-27.45	-27	Pass
NVNT	a	5825	Ant1	-27.04	-27	Pass
NVNT	n20	5745	Ant1	-28.37	-27	Pass
NVNT	n20	5785	Ant1	-27.73	-27	Pass
NVNT	n20	5825	Ant1	-27.15	-27	Pass
NVNT	n40	5755	Ant1	-27.42	-27	Pass
NVNT	n40	5795	Ant1	-27.01	-27	Pass
NVNT	ac20	5745	Ant1	-28.43	-27	Pass
NVNT	ac20	5785	Ant1	-27.37	-27	Pass
NVNT	ac20	5825	Ant1	-27.29	-27	Pass
NVNT	ac40	5755	Ant1	-27.18	-27	Pass
NVNT	ac40	5795	Ant1	-27.18	-27	Pass

Test Graphs

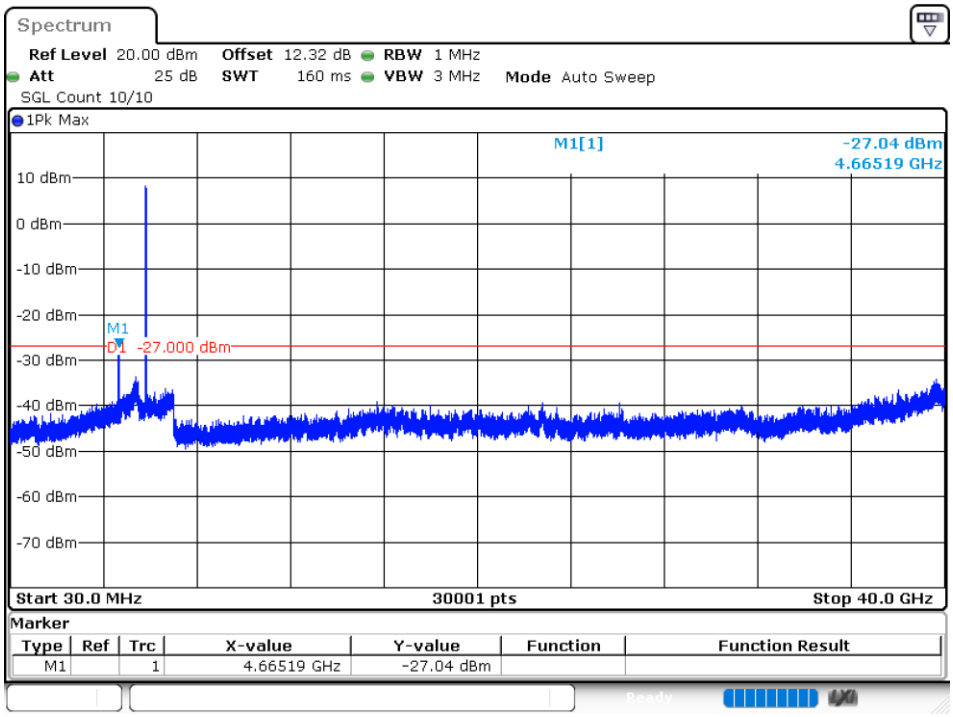
Tx. Spurious NVNT a 5745MHz Ant1 Emission



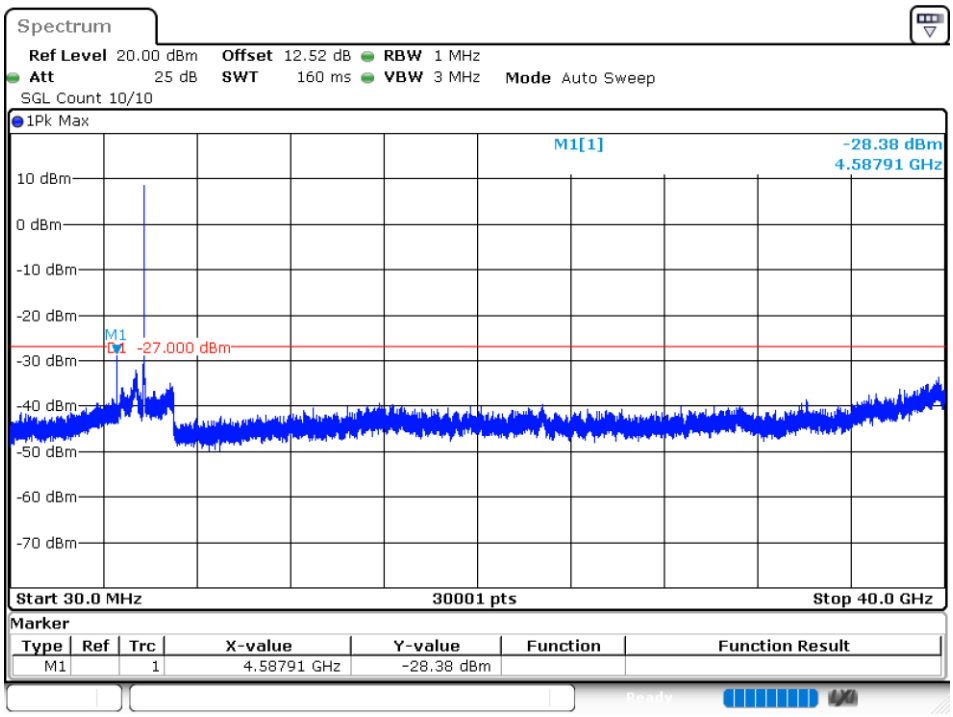
Tx. Spurious NVNT a 5785MHz Ant1 Emission



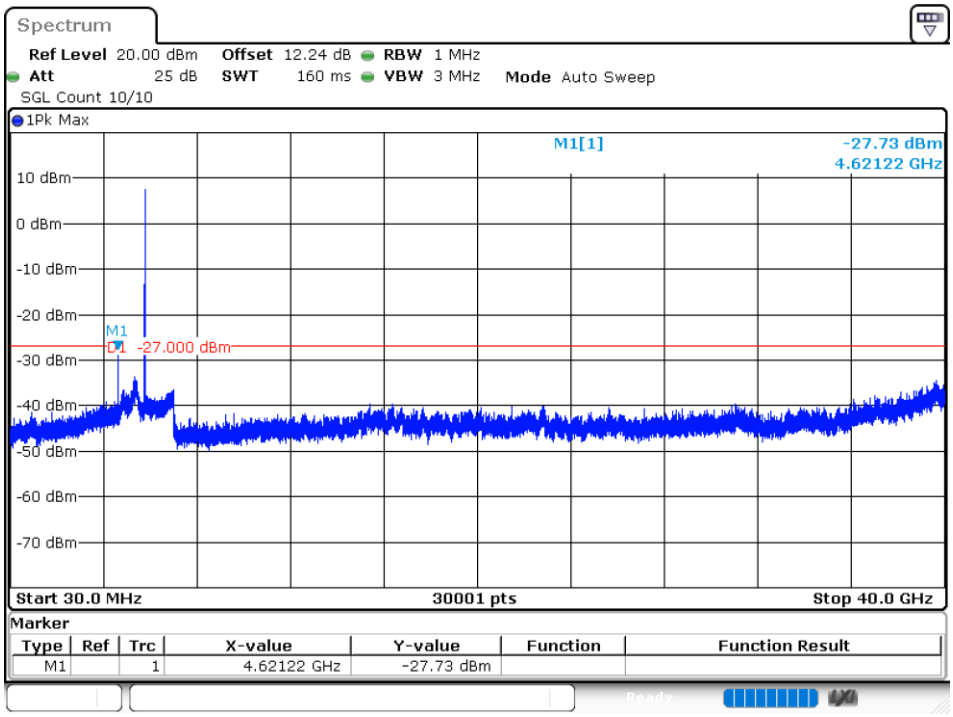
Tx. Spurious NVNT a 5825MHz Ant1 Emission



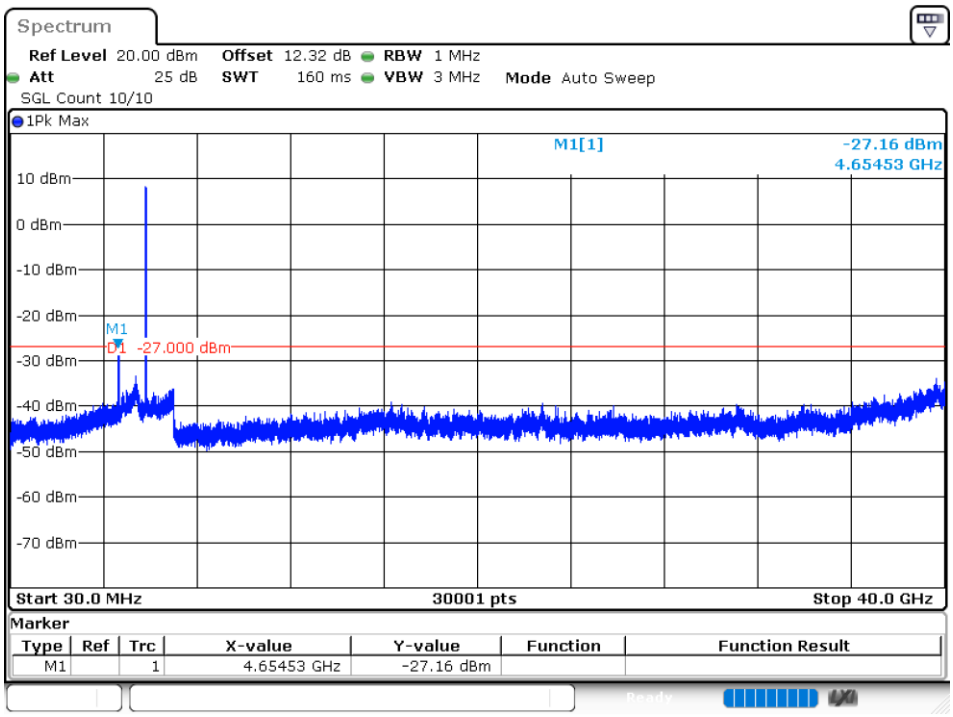
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



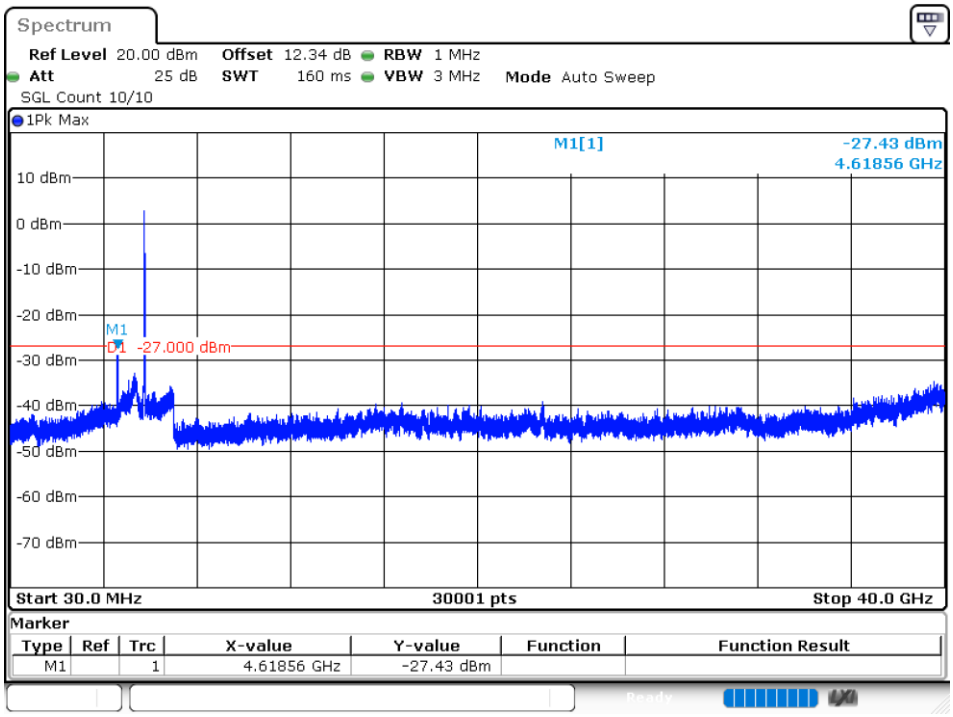
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



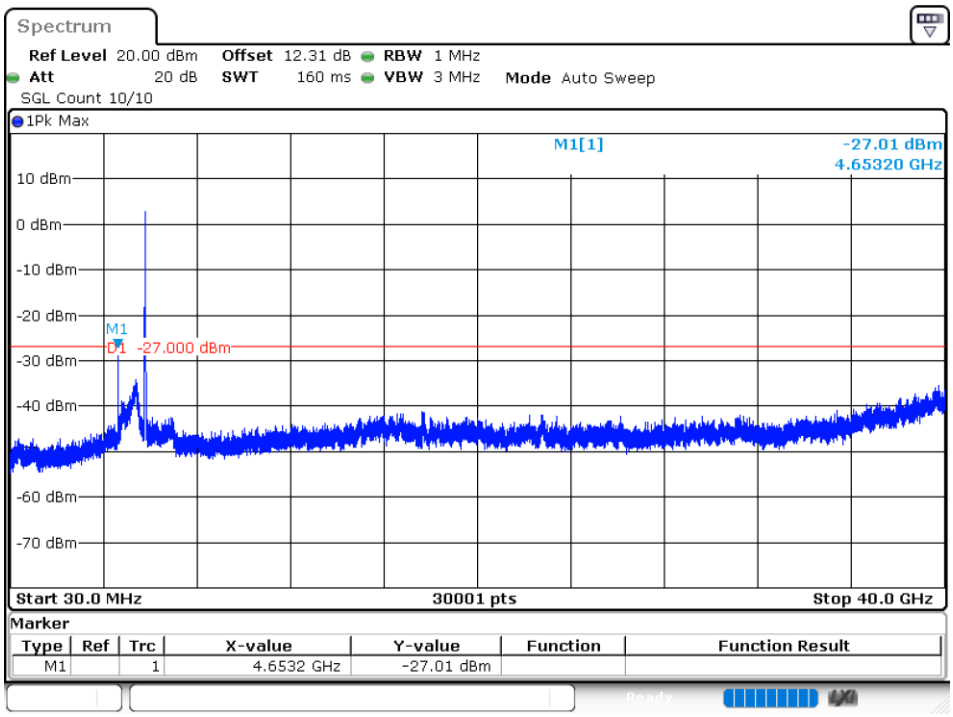
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



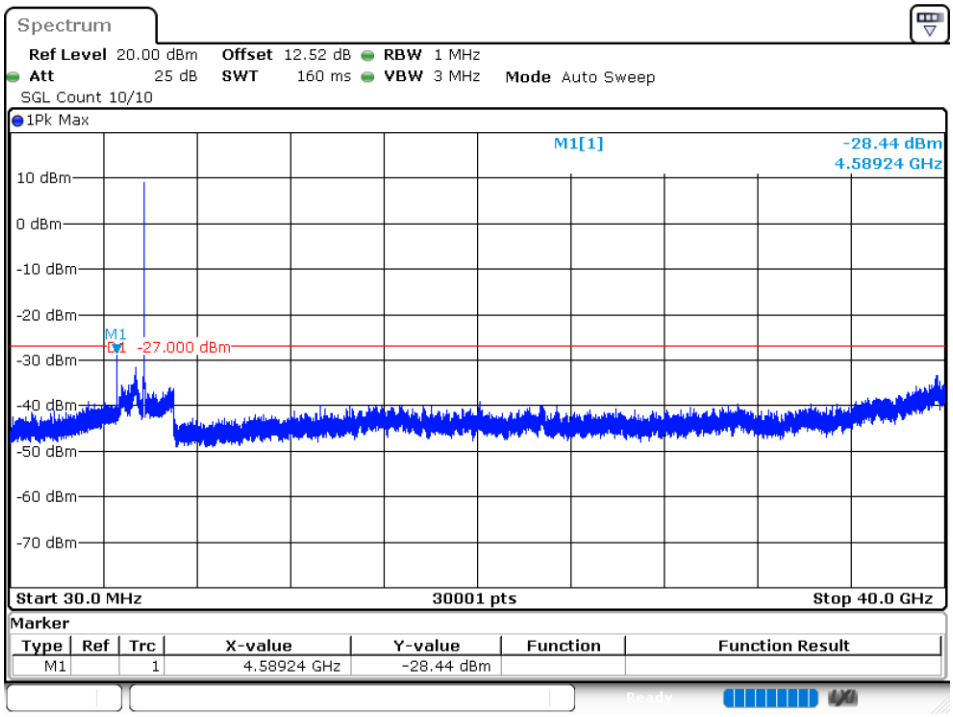
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



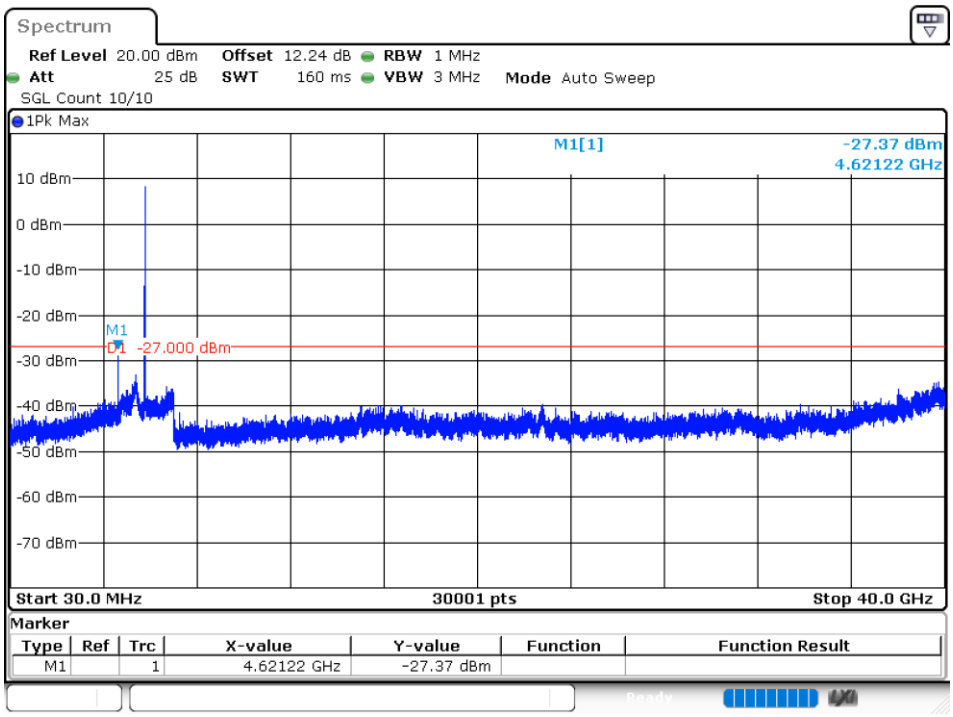
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



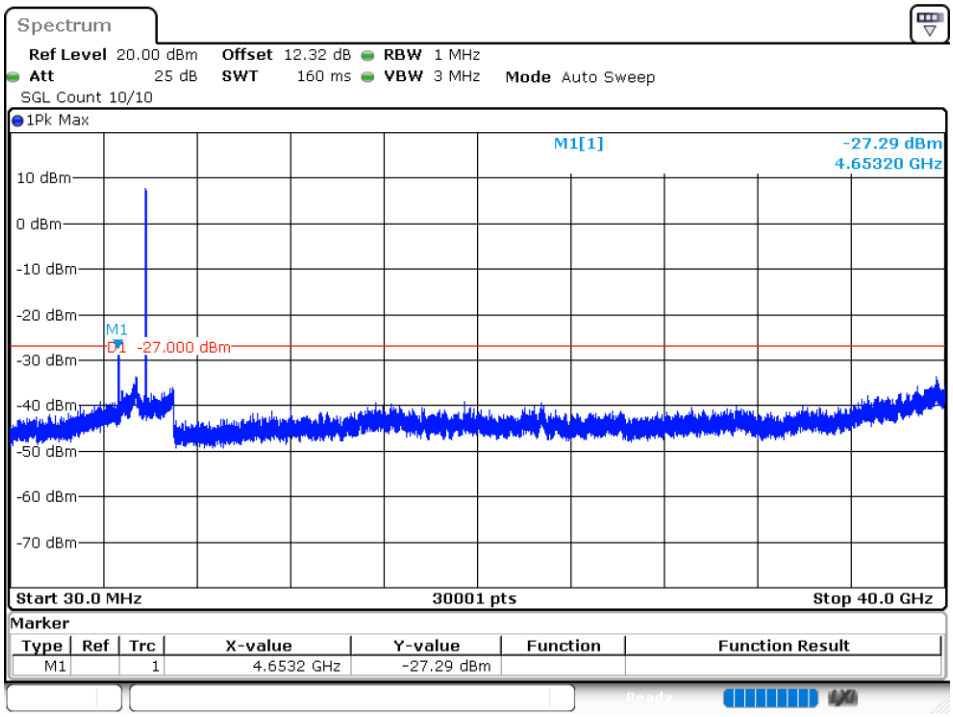
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



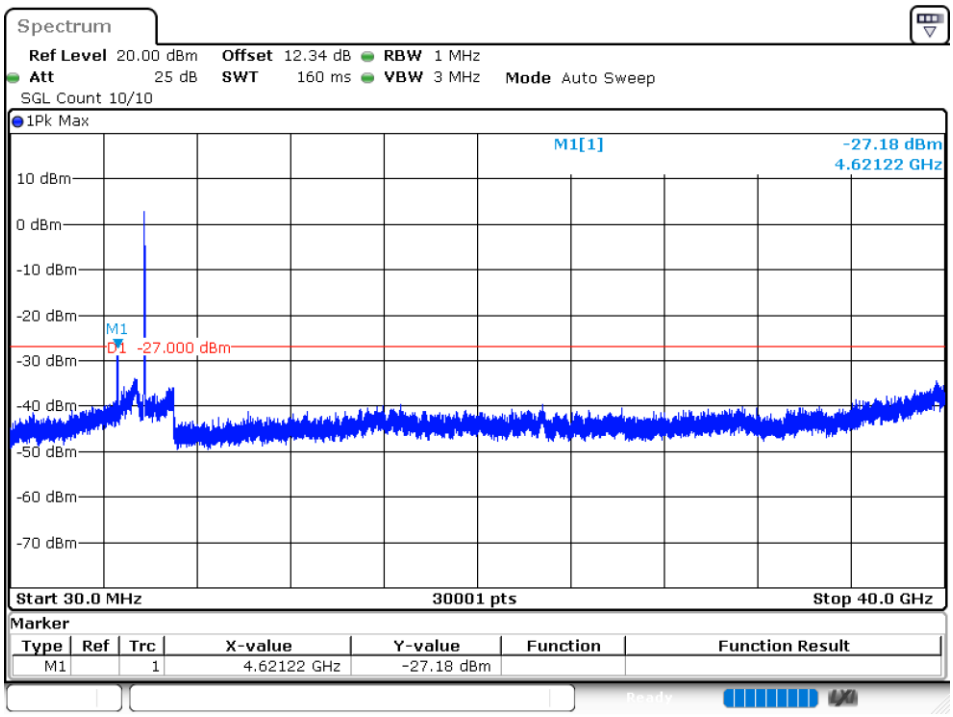
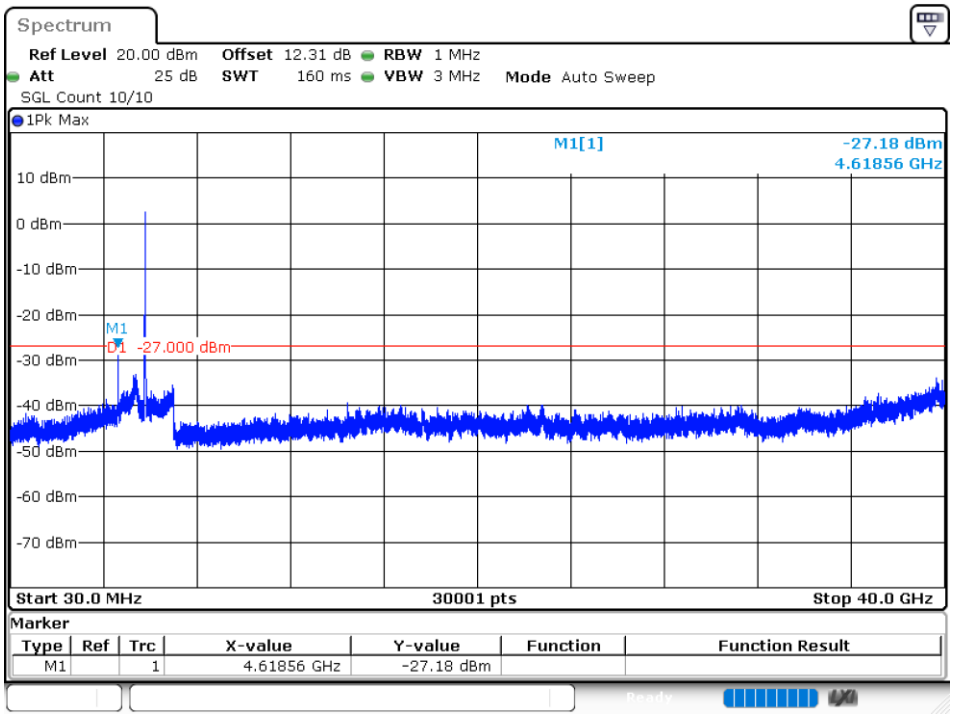
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission