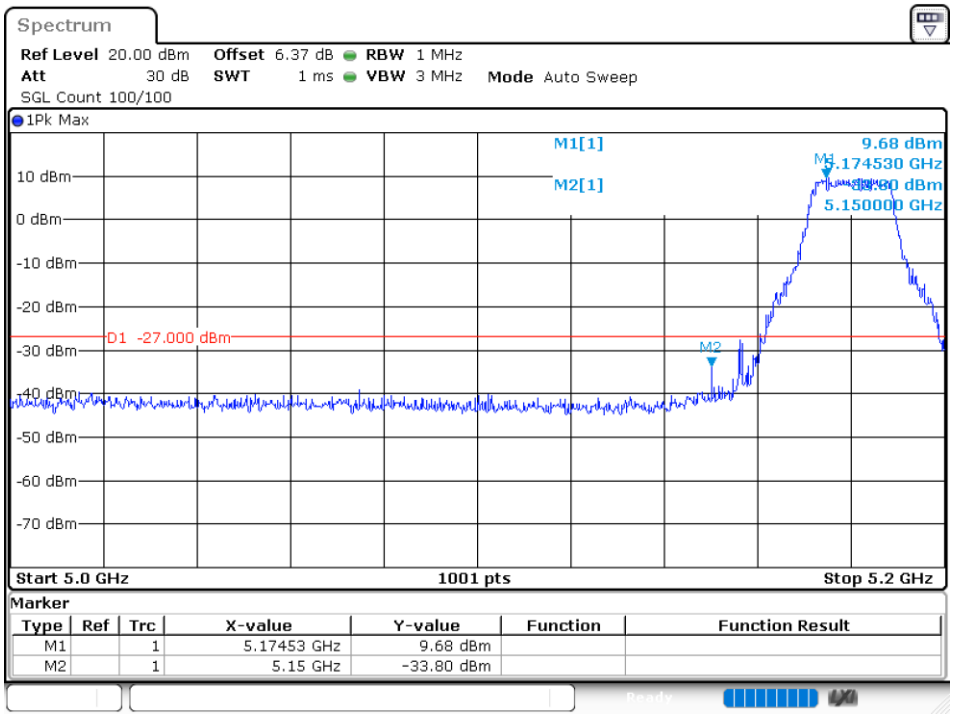
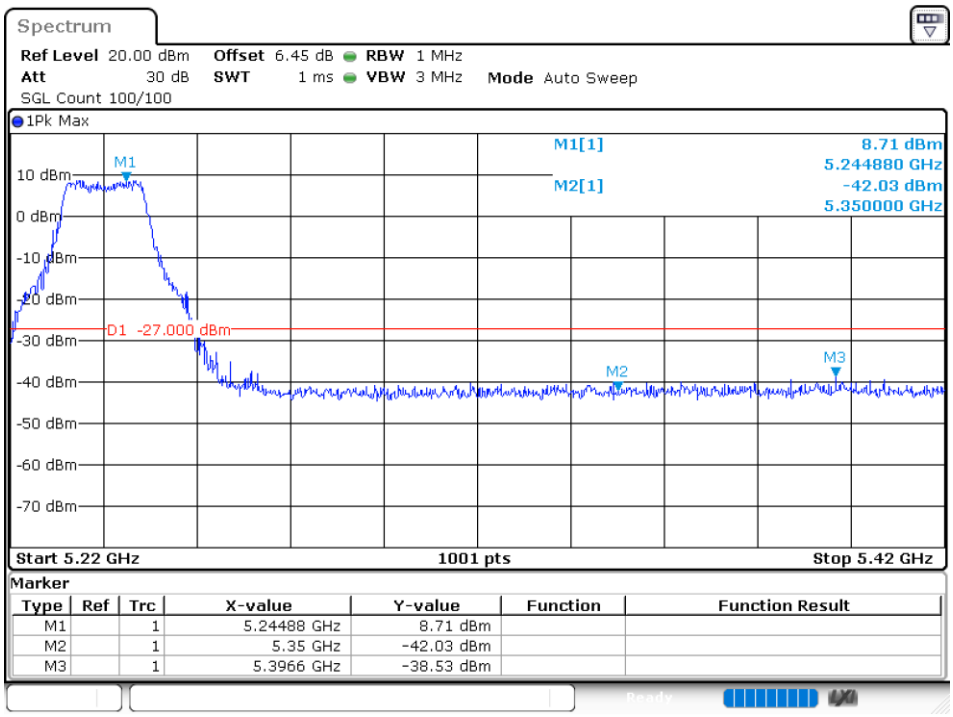
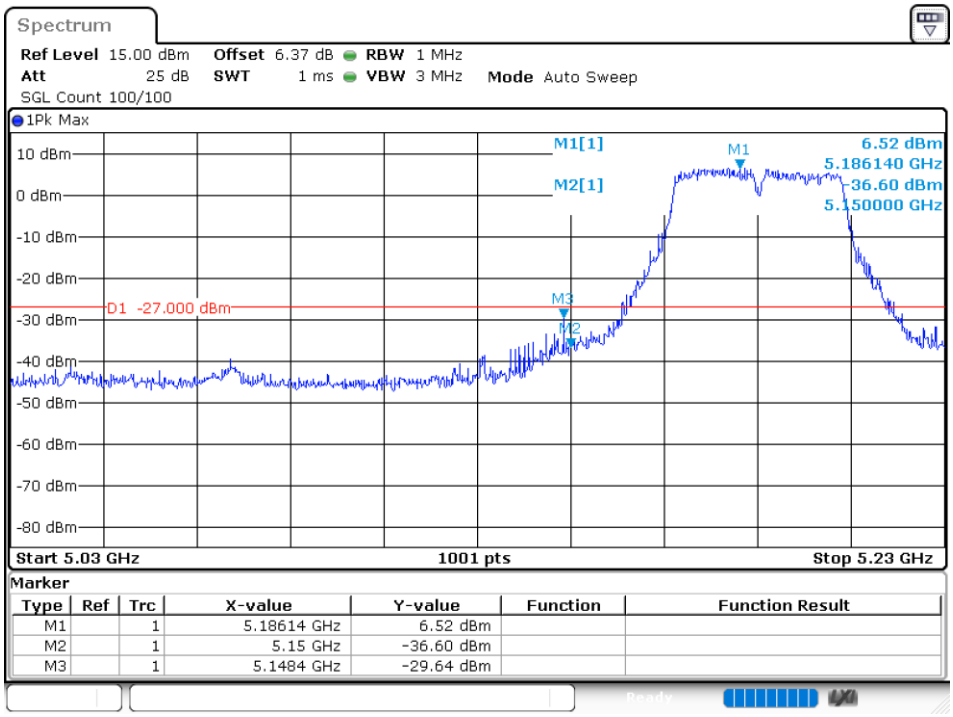
Band Edge NVNT n20 5180MHz Low Ant1



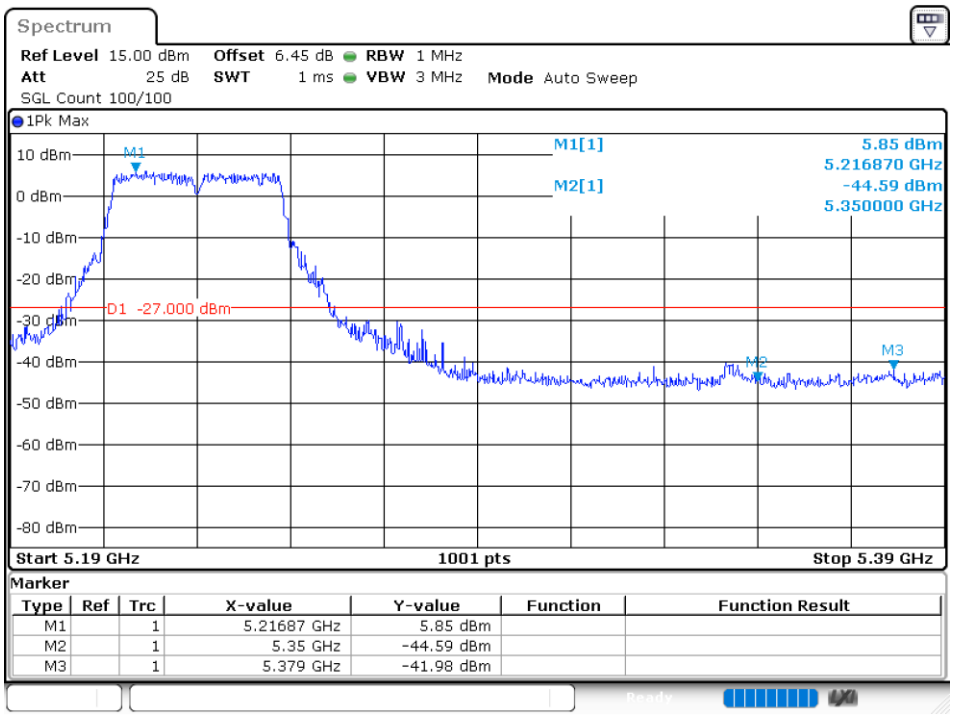
Band Edge NVNT n20 5240MHz High Ant1



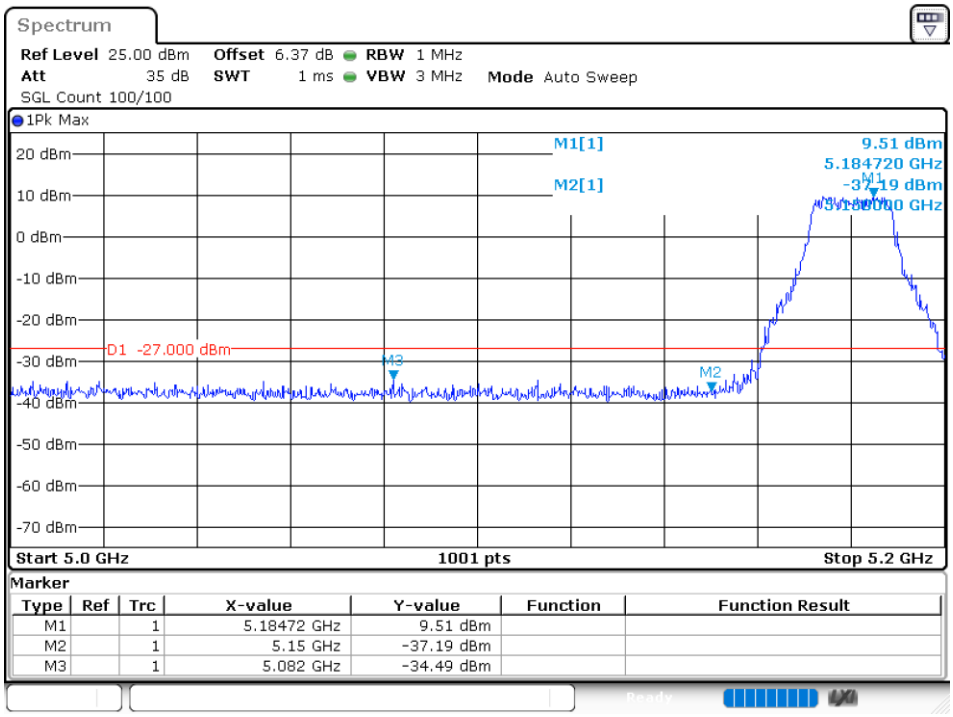
Band Edge NVNT n40 5190MHz Low Ant1



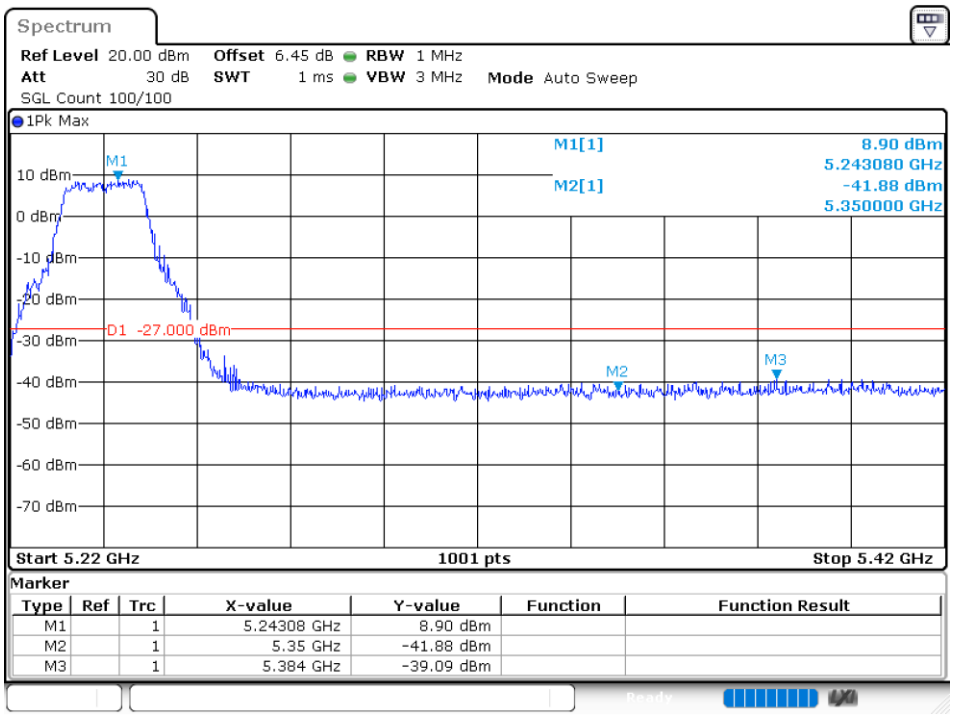
Band Edge NVNT n40 5230MHz High Ant1



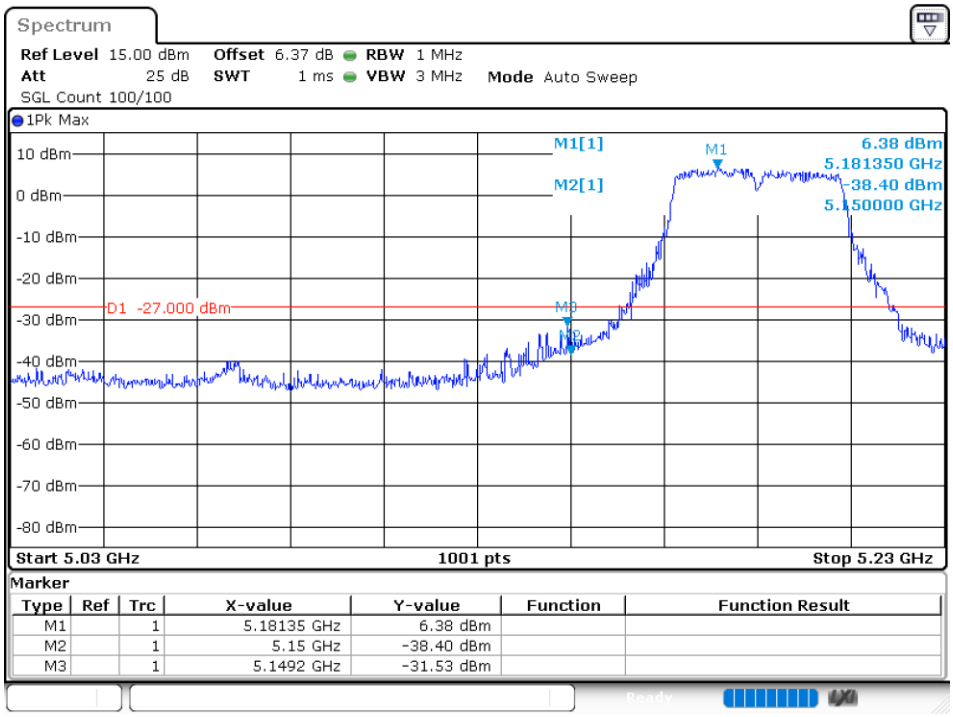
Band Edge NVNT ac20 5180MHz Low Ant1



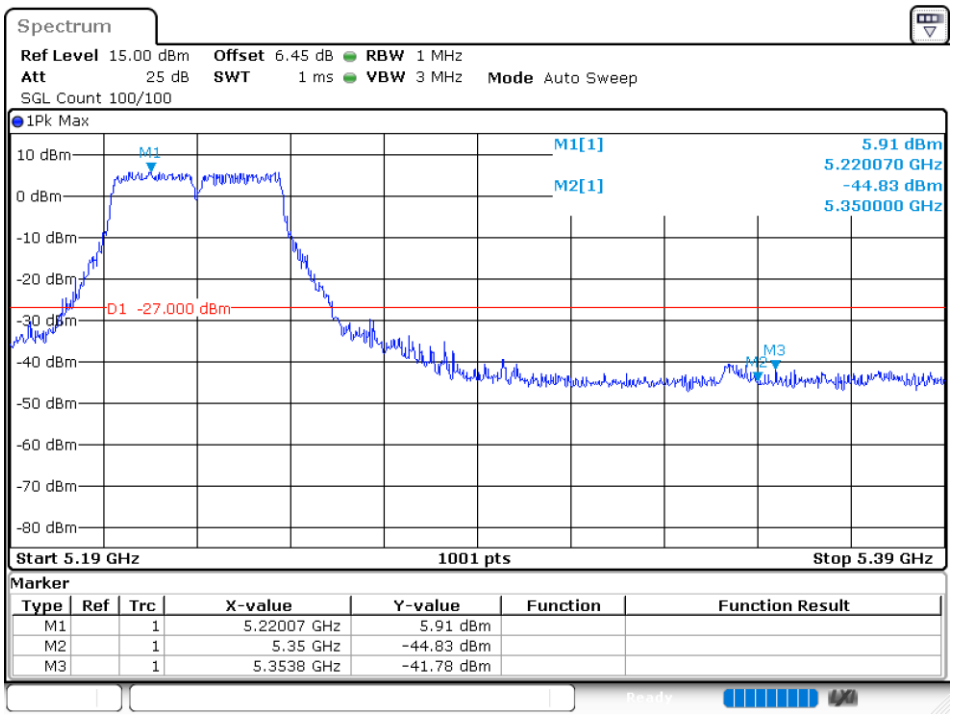
Band Edge NVNT ac20 5240MHz High Ant1



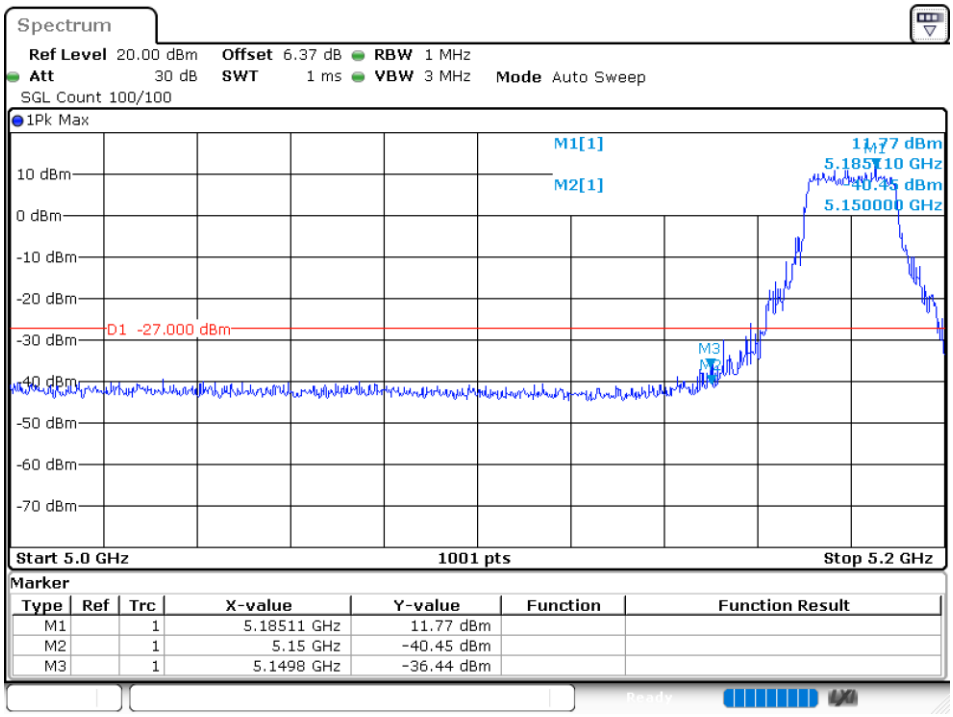
Band Edge NVNT ac40 5190MHz Low Ant1



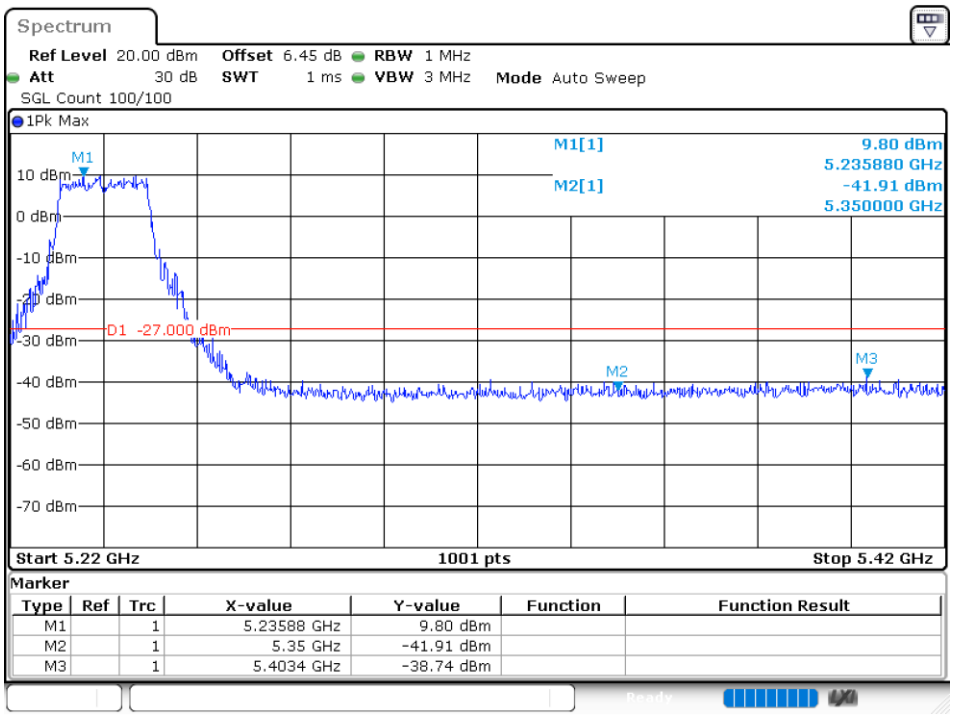
Band Edge NVNT ac40 5230MHz High Ant1



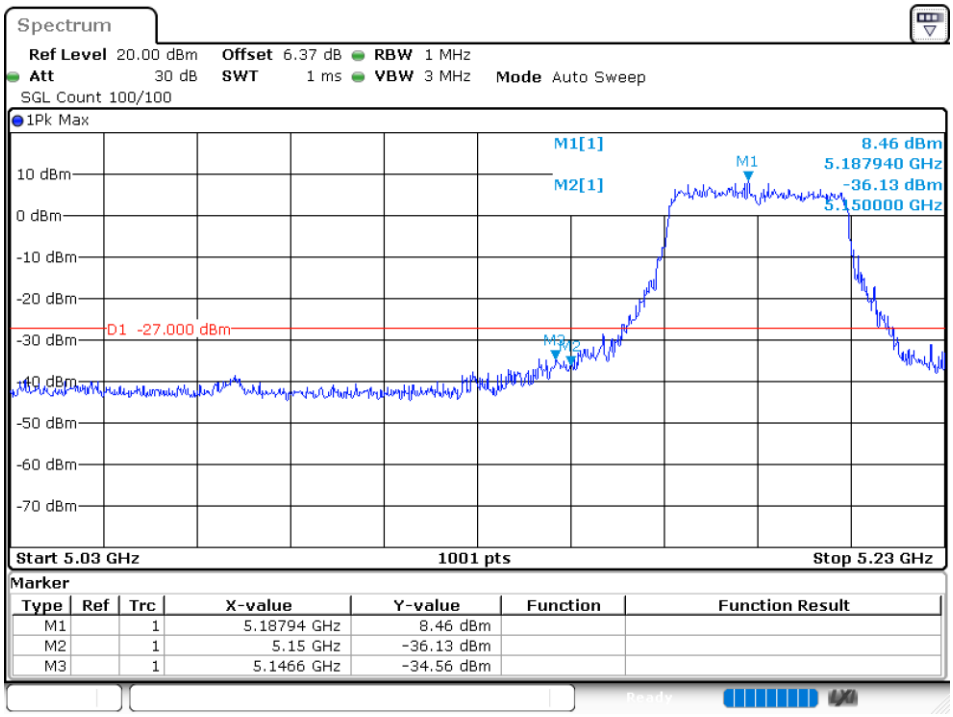
Band Edge NVNT ax20 5180MHz Low Ant1



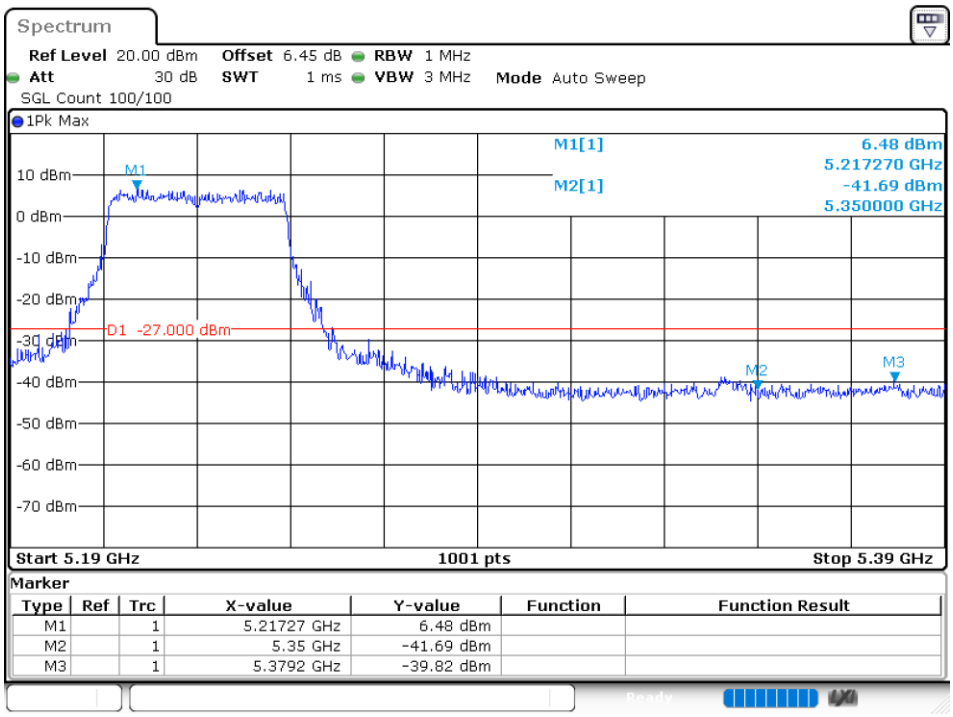
Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1

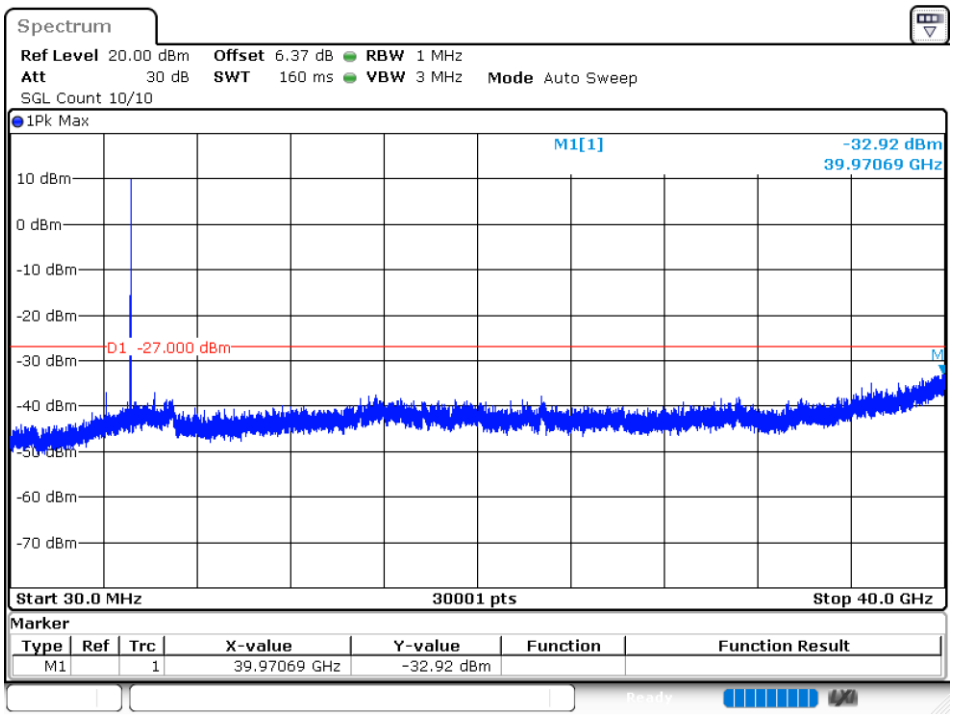


Conducted RF Spurious Emission

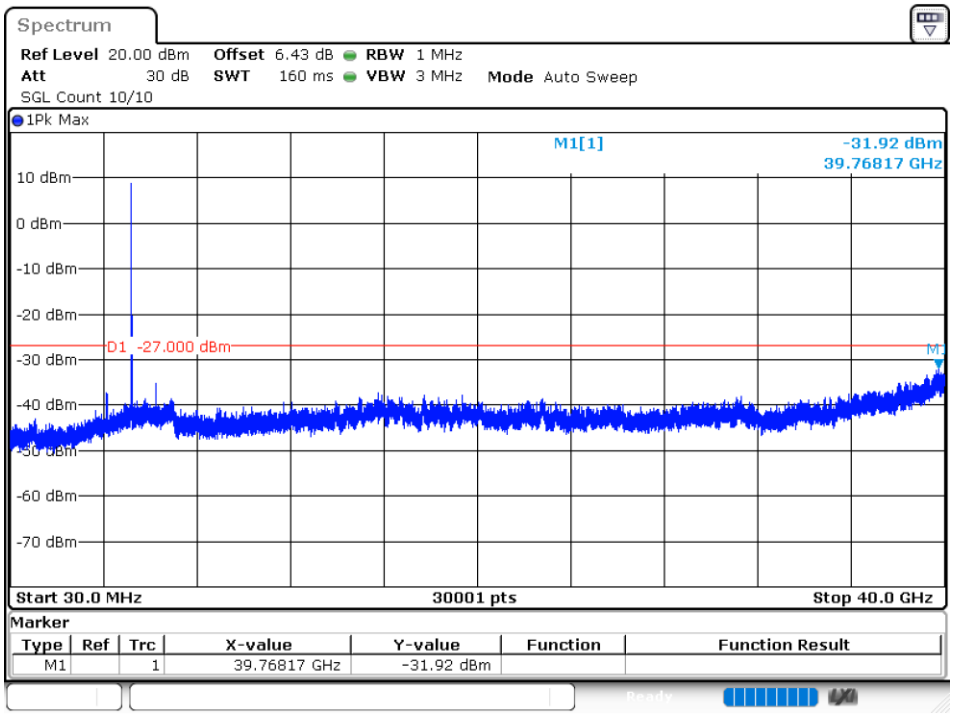
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.91	-27	Pass
NVNT	a	5200	Ant1	-31.92	-27	Pass
NVNT	a	5240	Ant1	-31.21	-27	Pass
NVNT	n20	5180	Ant1	-36.86	-27	Pass
NVNT	n20	5200	Ant1	-36.87	-27	Pass
NVNT	n20	5240	Ant1	-35.67	-27	Pass
NVNT	n40	5190	Ant1	-32.81	-27	Pass
NVNT	n40	5230	Ant1	-32.84	-27	Pass
NVNT	ac20	5180	Ant1	-32.2	-27	Pass
NVNT	ac20	5200	Ant1	-31.83	-27	Pass
NVNT	ac20	5240	Ant1	-32.1	-27	Pass
NVNT	ac40	5190	Ant1	-33	-27	Pass
NVNT	ac40	5230	Ant1	-32.92	-27	Pass
NVNT	ax20	5180	Ant1	-31.36	-27	Pass
NVNT	ax20	5200	Ant1	-31.69	-27	Pass
NVNT	ax20	5240	Ant1	-32.58	-27	Pass
NVNT	ax40	5190	Ant1	-31.99	-27	Pass
NVNT	ax40	5230	Ant1	-31.49	-27	Pass

Test Graphs

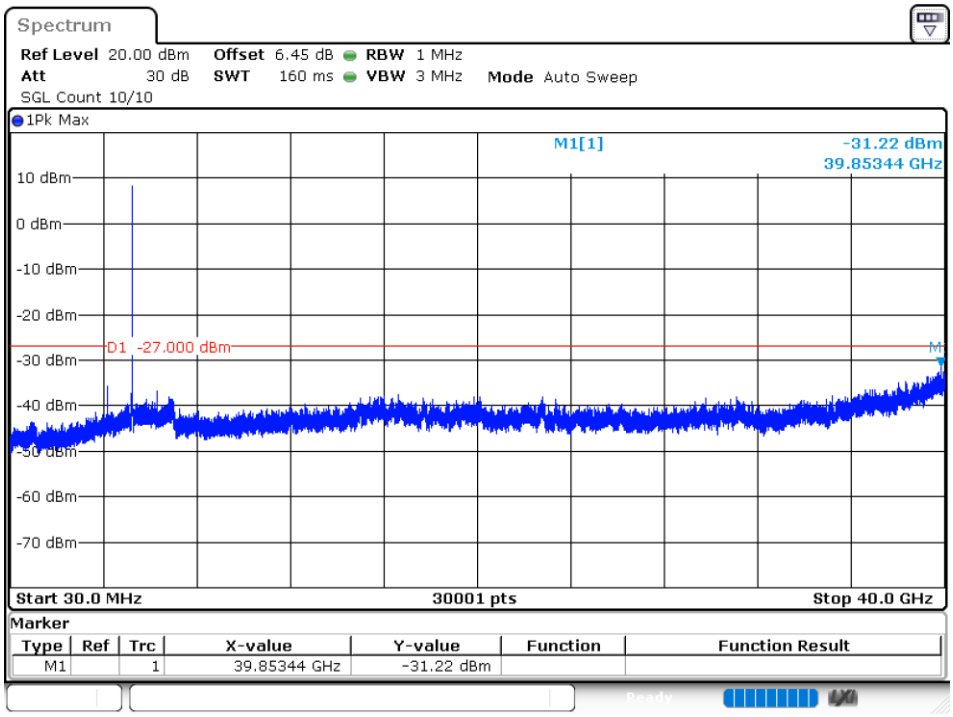
Tx. Spurious NVNT a 5180MHz Ant1 Emission



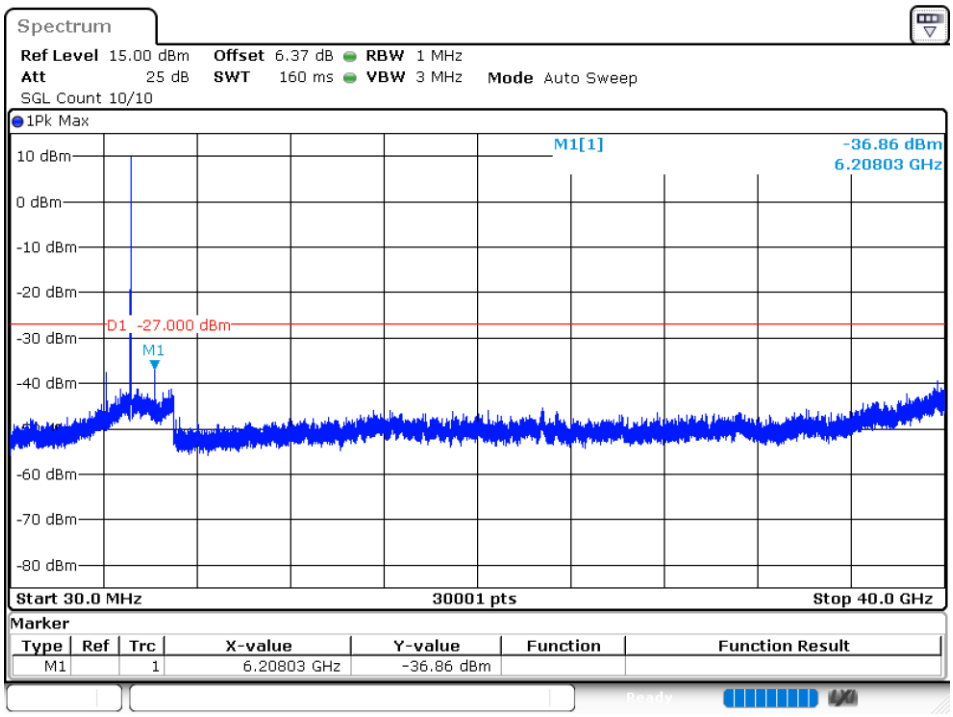
Tx. Spurious NVNT a 5200MHz Ant1 Emission



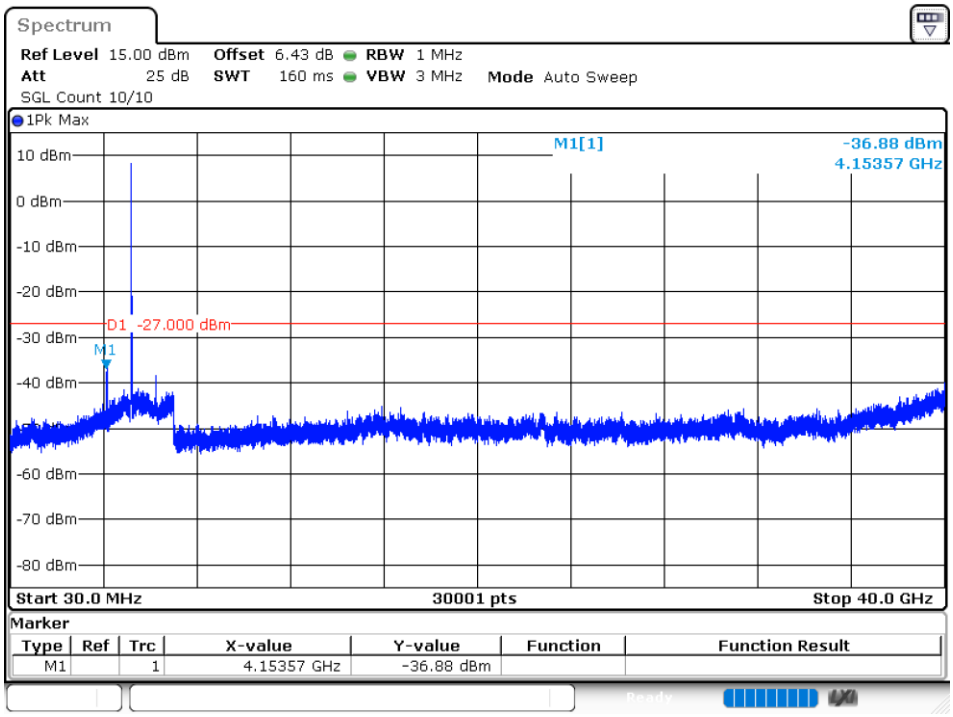
Tx. Spurious NVNT a 5240MHz Ant1 Emission



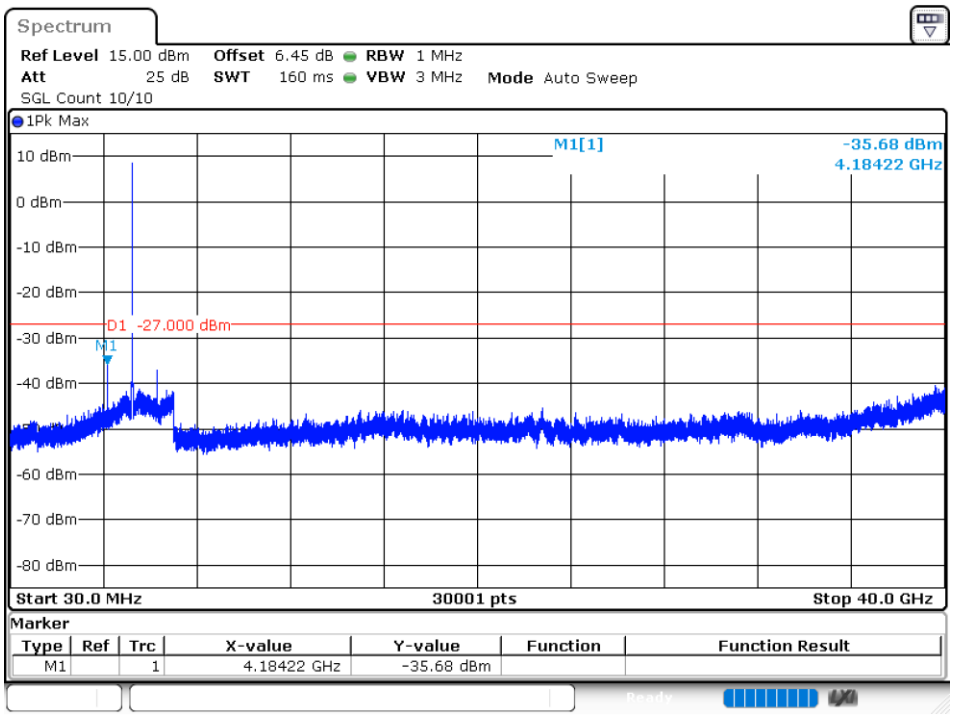
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



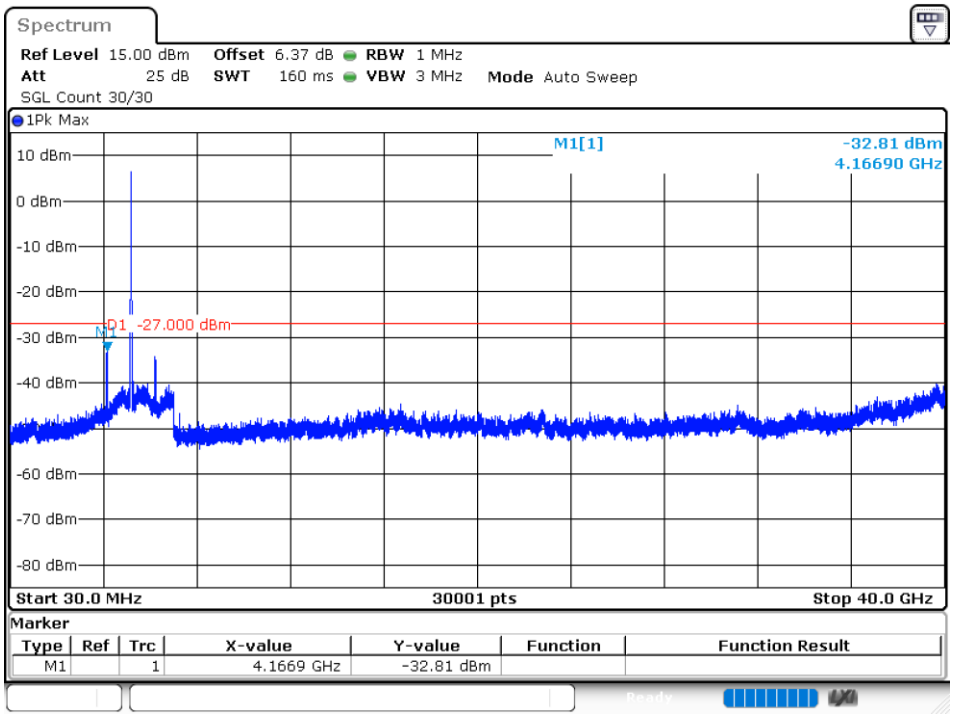
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



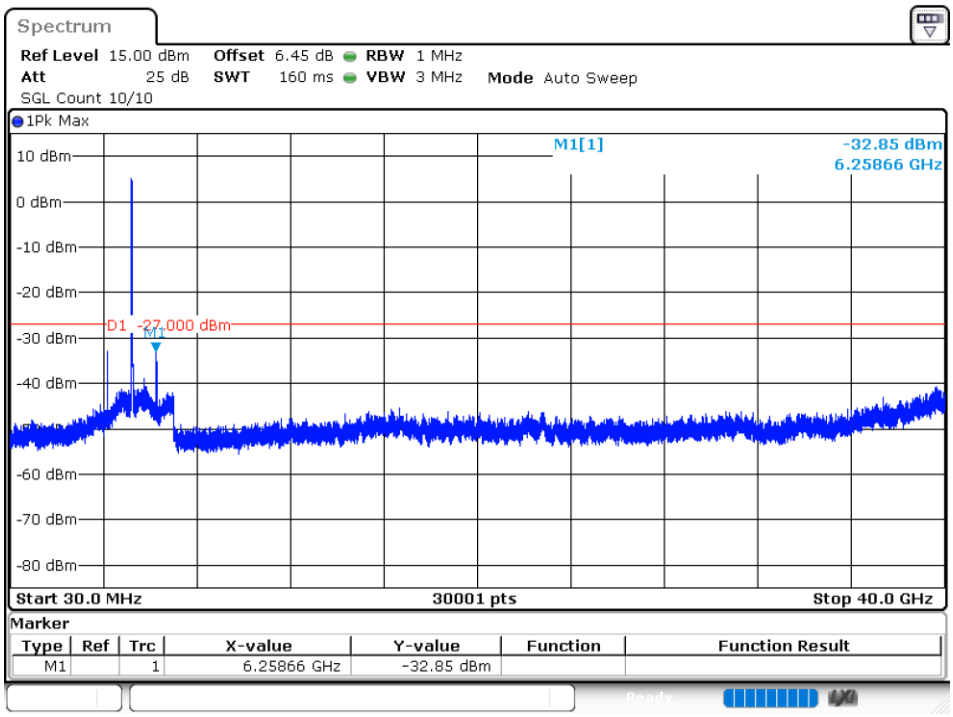
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



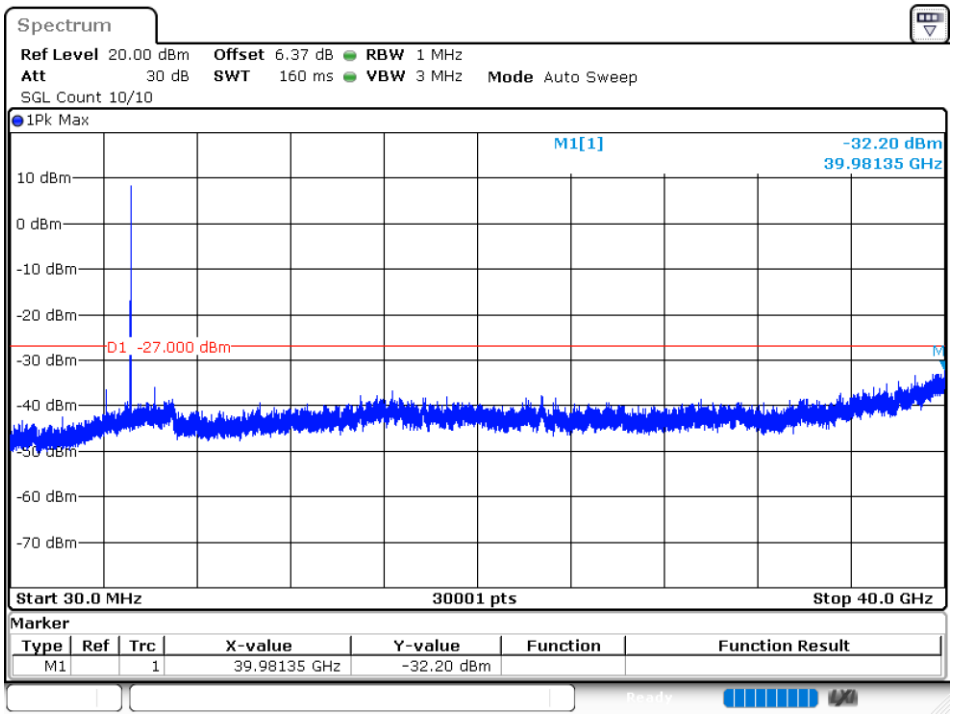
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



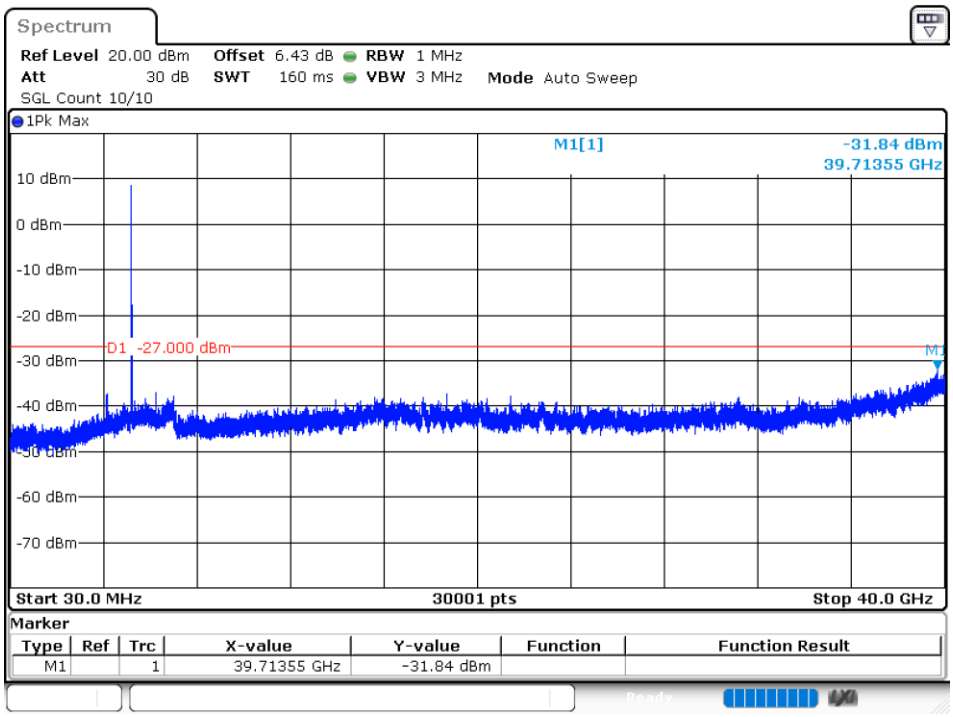
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



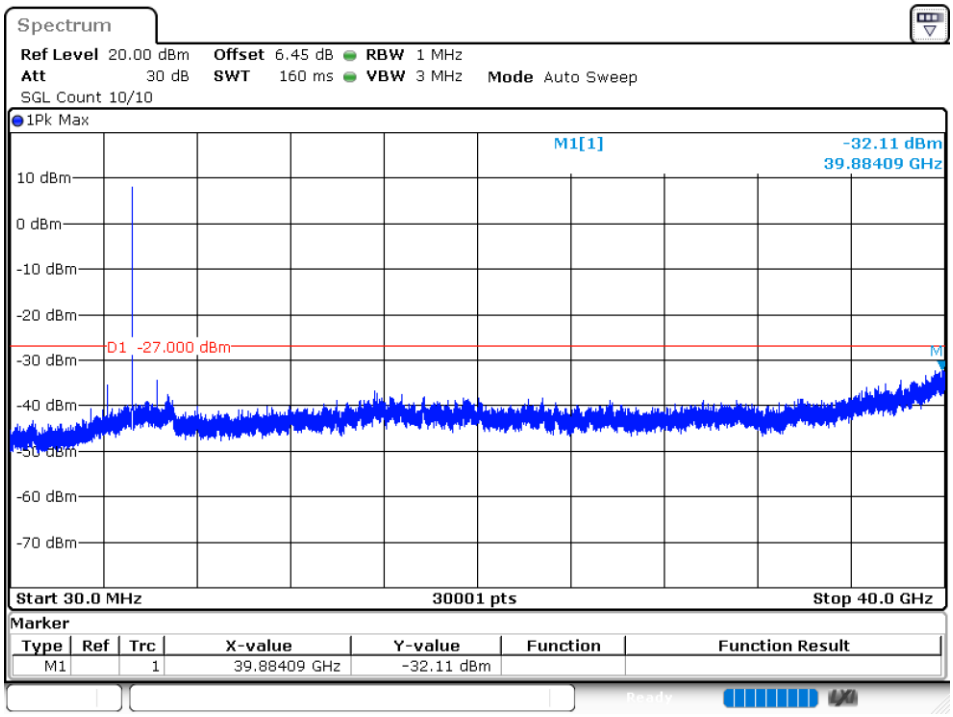
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



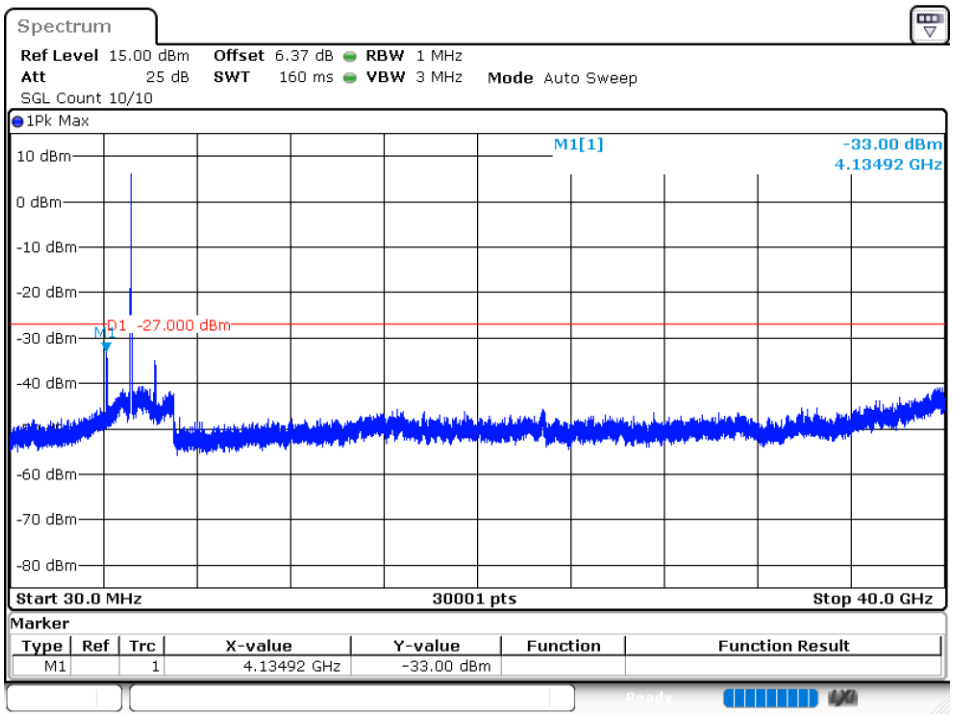
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



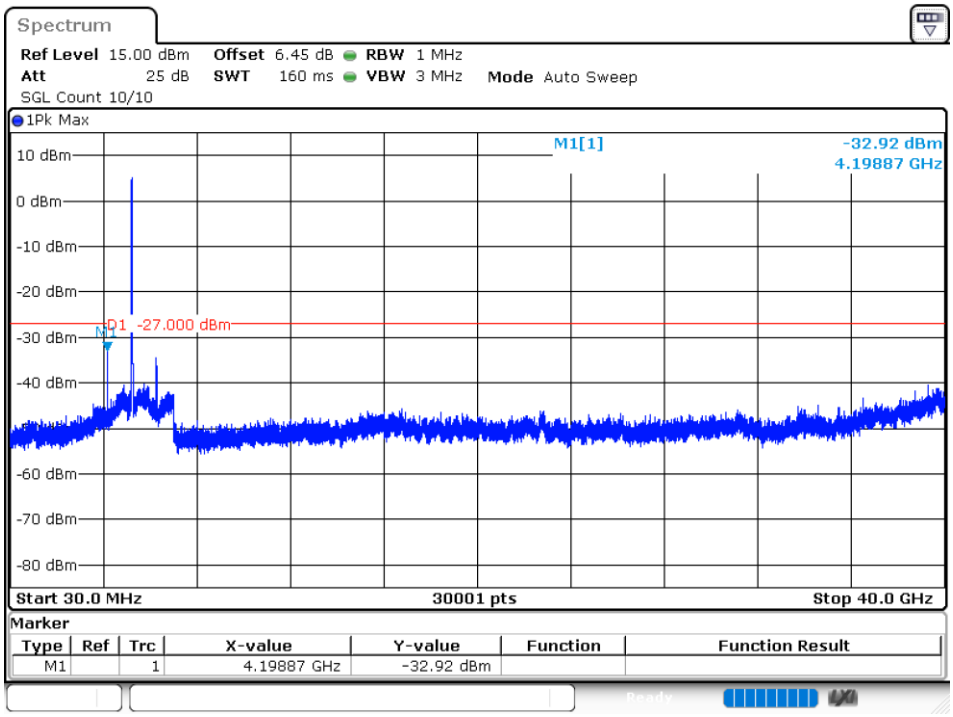
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



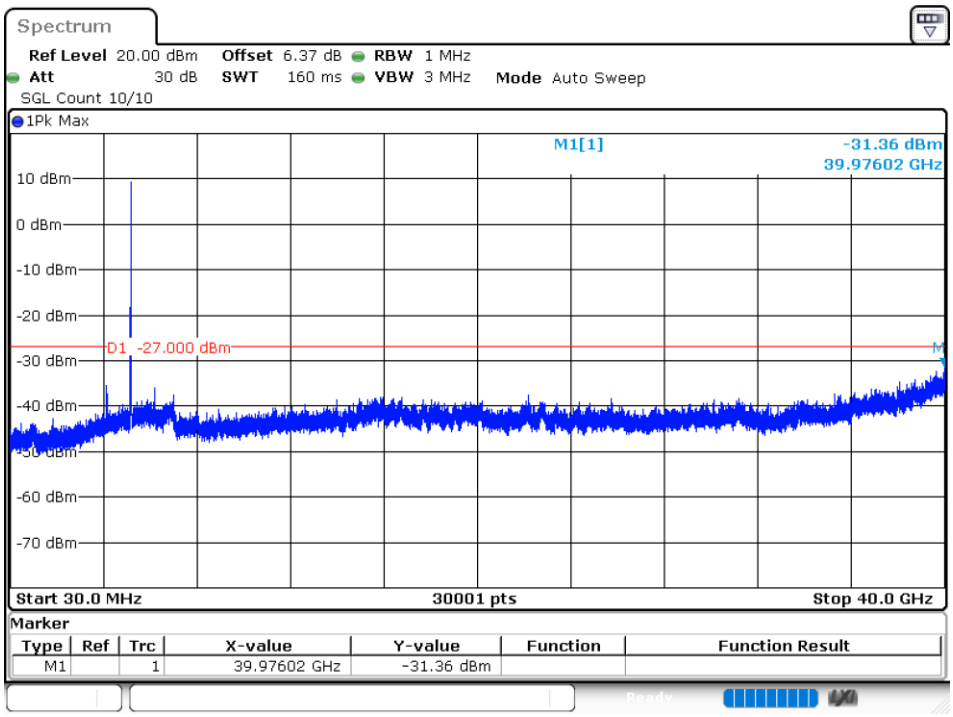
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



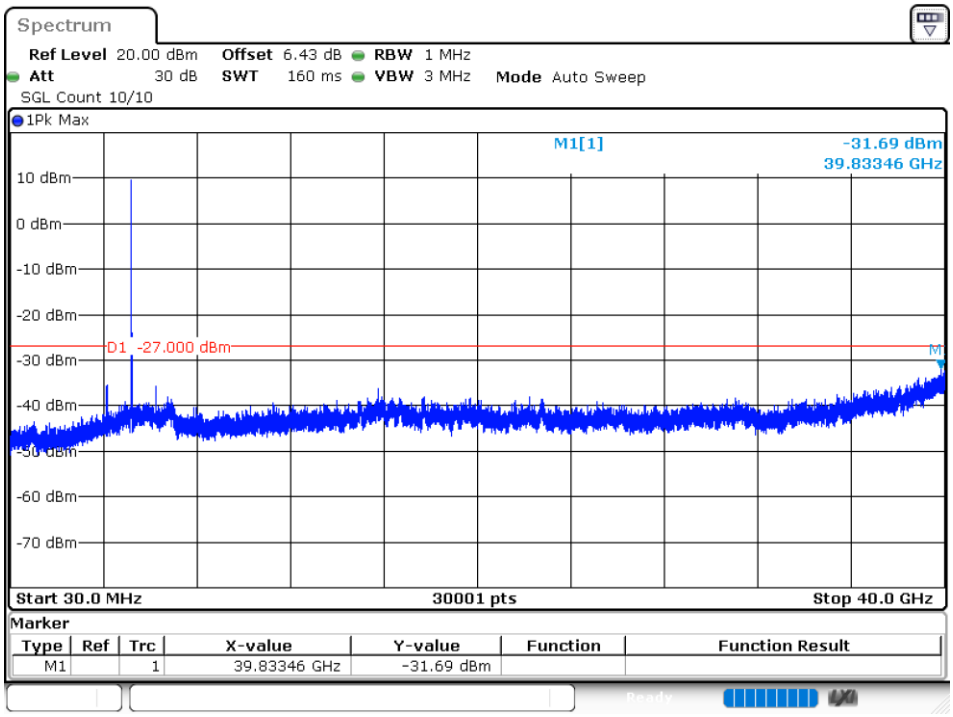
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



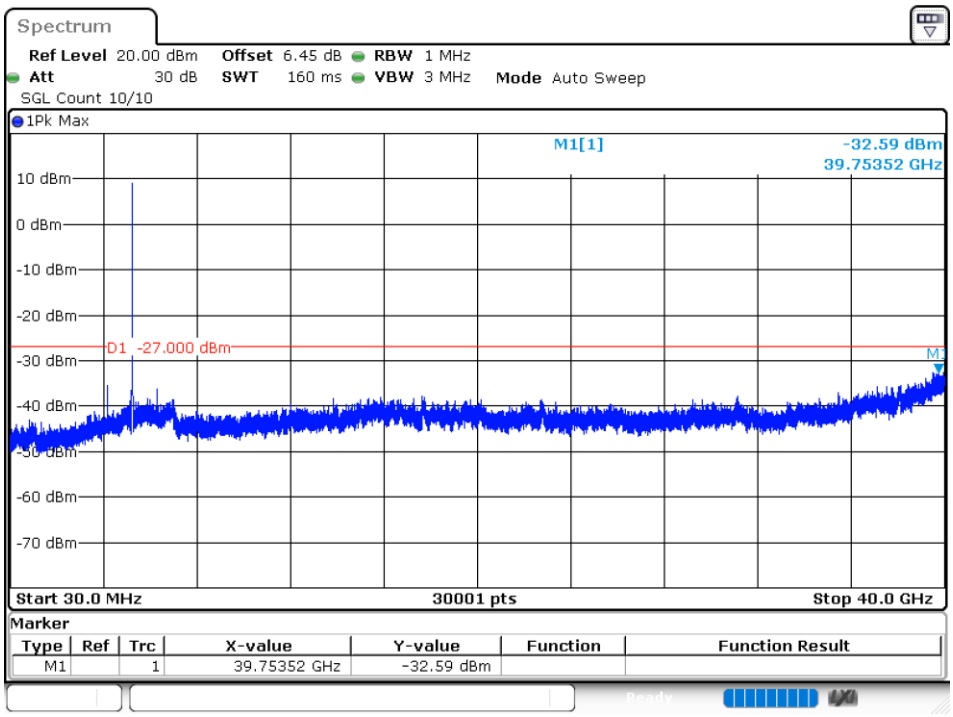
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



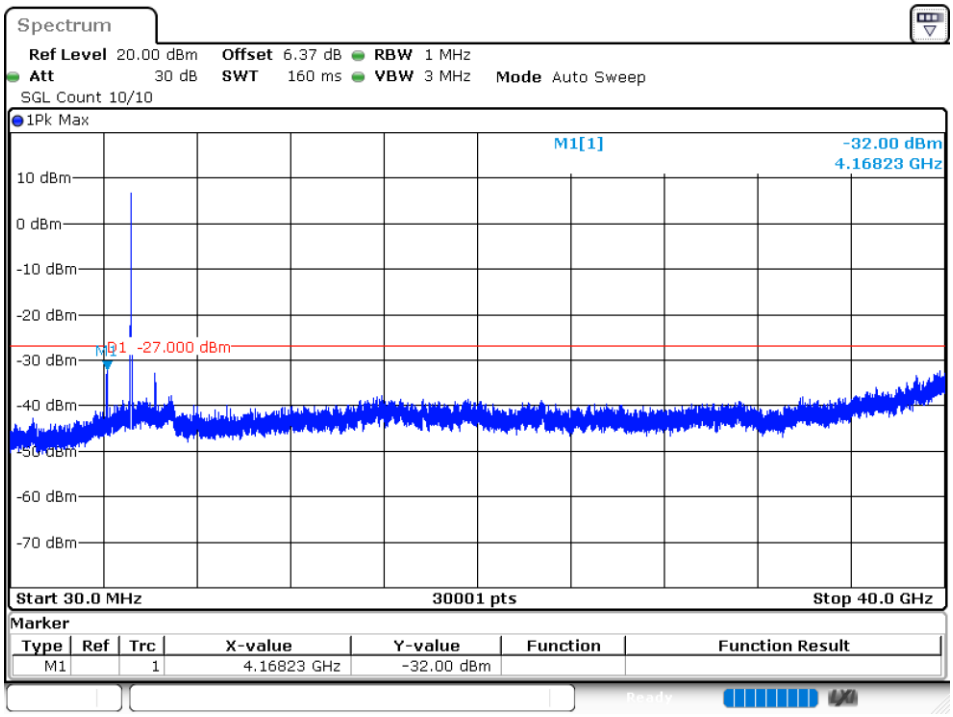
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



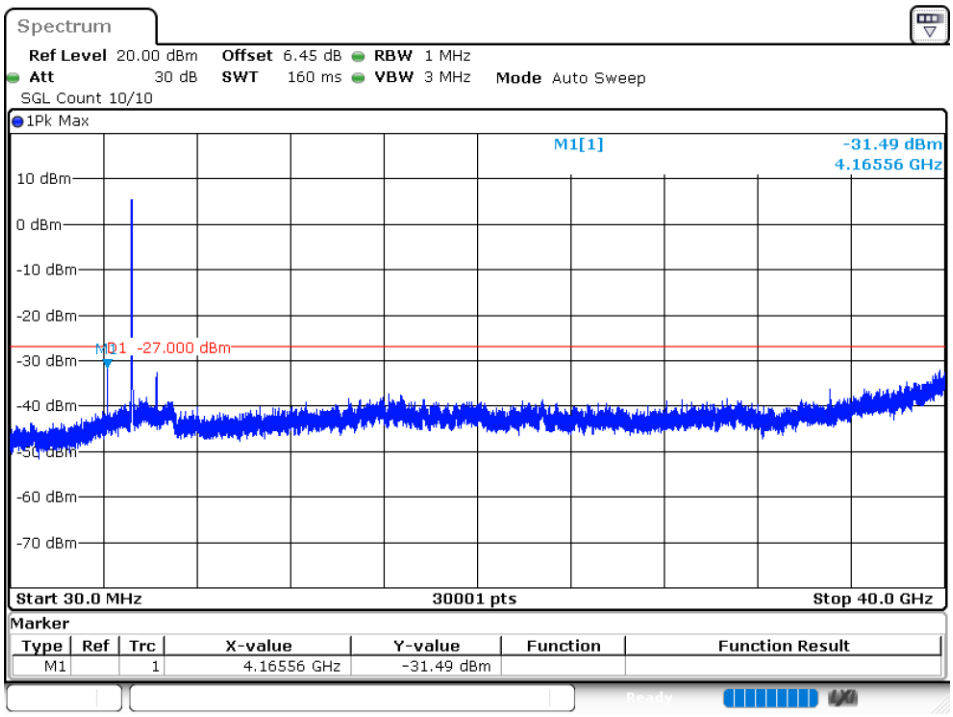
Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



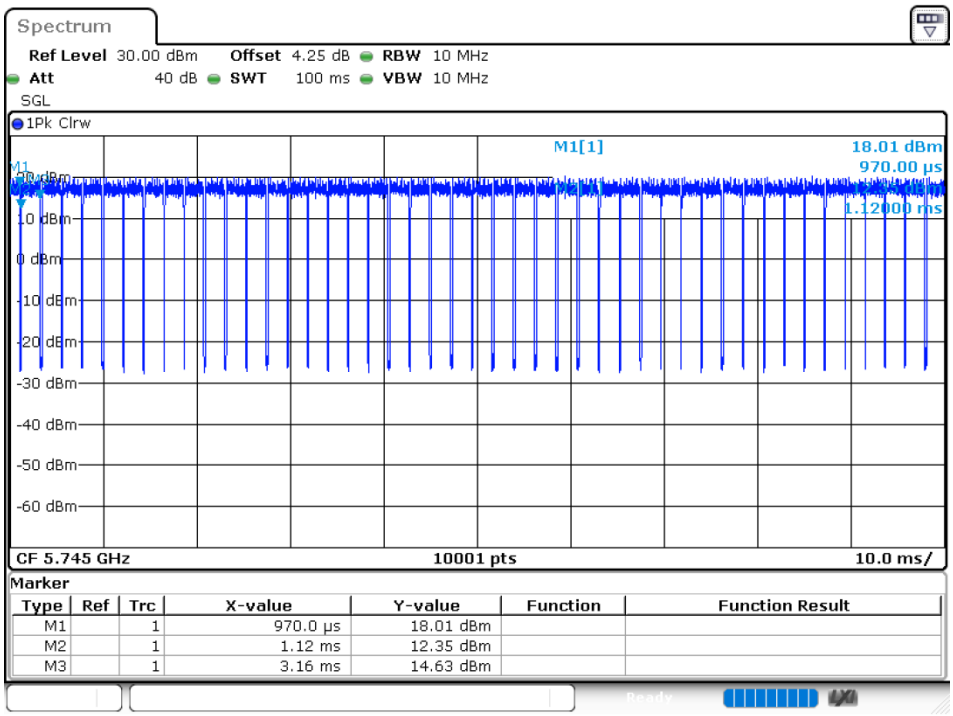
5.8G:

Duty Cycle

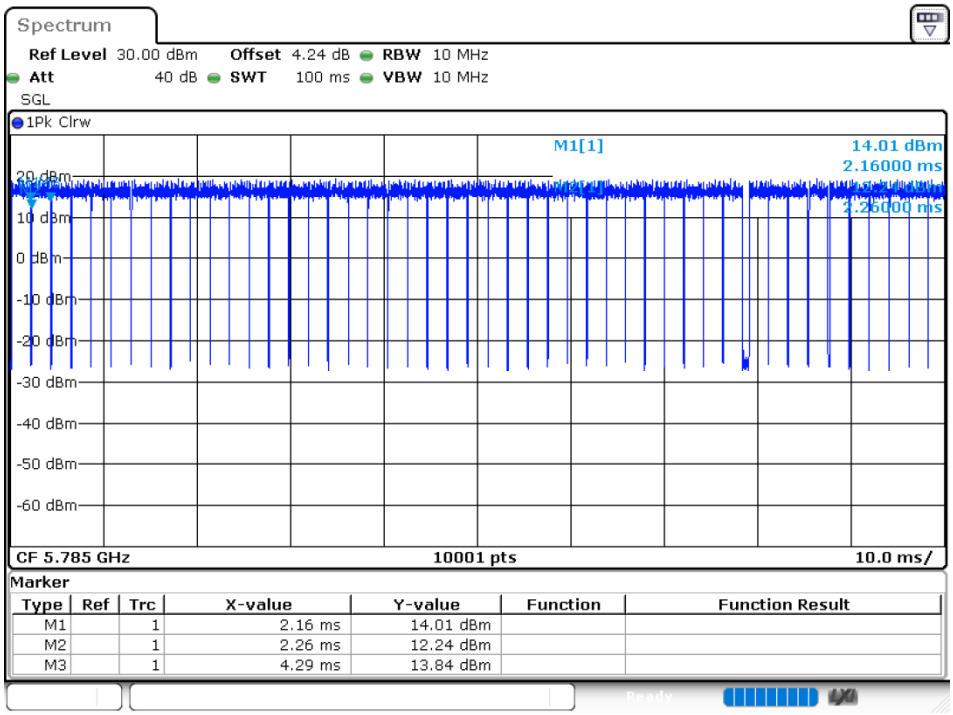
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	92.8	0.32	0.49
NVNT	a	5785	Ant1	95.69	0.19	0.49
NVNT	a	5825	Ant1	94.77	0.23	0.49
NVNT	n20	5745	Ant1	95.09	0.22	0.53
NVNT	n20	5785	Ant1	93.45	0.29	0.53
NVNT	n20	5825	Ant1	94.78	0.23	0.53
NVNT	n40	5755	Ant1	90.36	0.44	1.08
NVNT	n40	5795	Ant1	90.15	0.45	1.08
NVNT	ac20	5745	Ant1	96.17	0.17	0.53
NVNT	ac20	5785	Ant1	94.88	0.23	0.53
NVNT	ac20	5825	Ant1	95.19	0.21	0.53
NVNT	ac40	5755	Ant1	86.59	0.63	1.06
NVNT	ac40	5795	Ant1	89.08	0.5	1.06
NVNT	ax20	5745	Ant1	92.95	0.32	0.68
NVNT	ax20	5785	Ant1	94.05	0.27	0.68
NVNT	ax20	5825	Ant1	95.13	0.22	0.69
NVNT	ax40	5755	Ant1	88.41	0.53	1.35
NVNT	ax40	5795	Ant1	87.17	0.6	1.33

Test Graphs

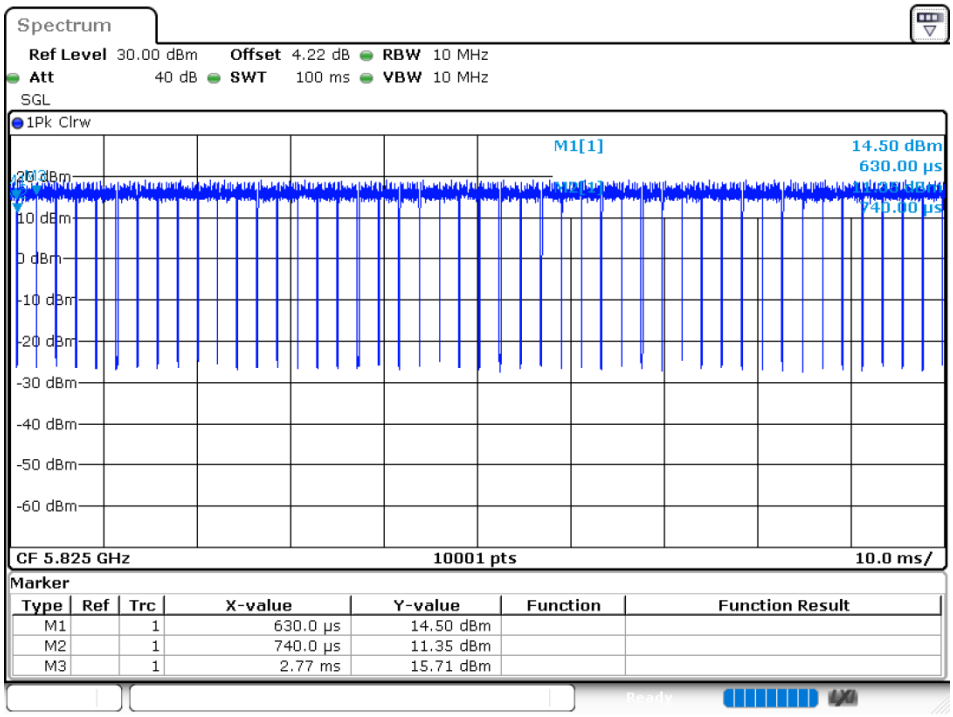
Duty Cycle NVNT a 5745MHz Ant1



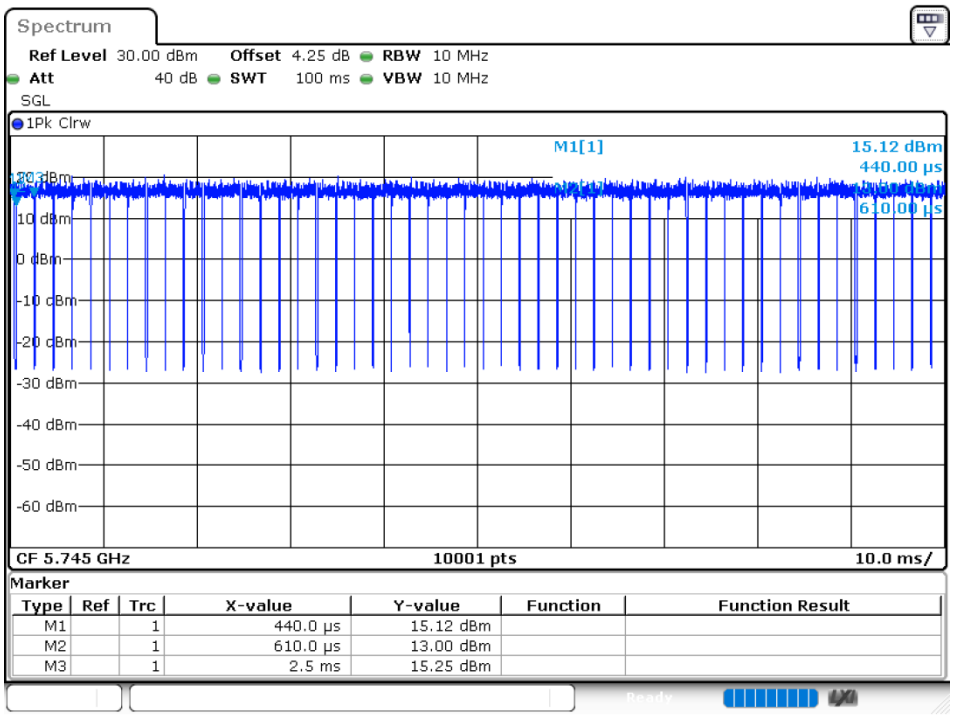
Duty Cycle NVNT a 5785MHz Ant1



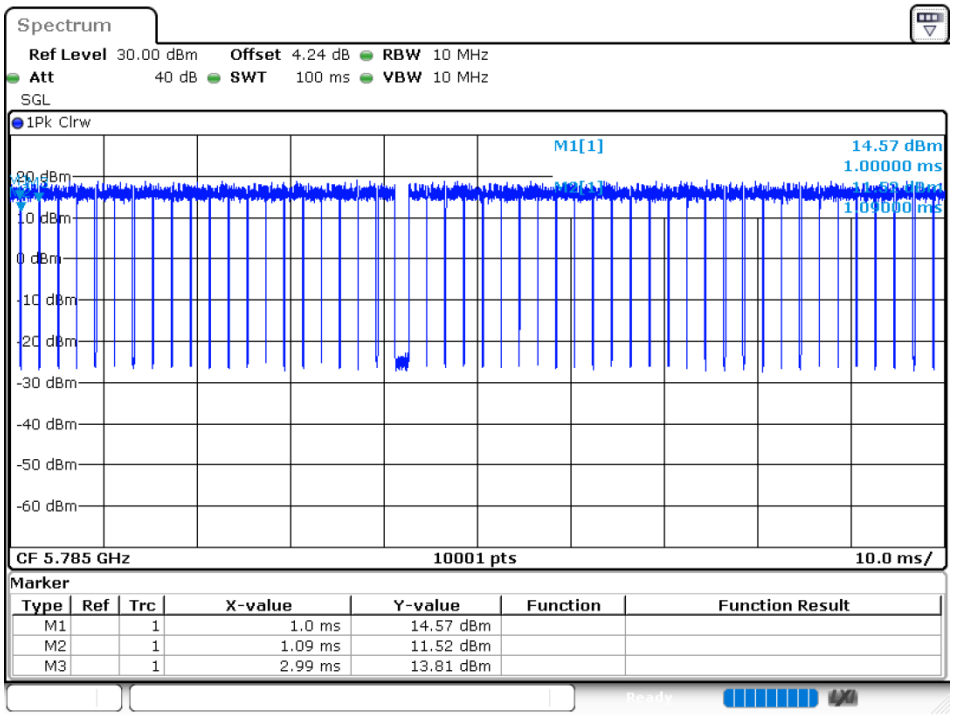
Duty Cycle NVNT a 5825MHz Ant1



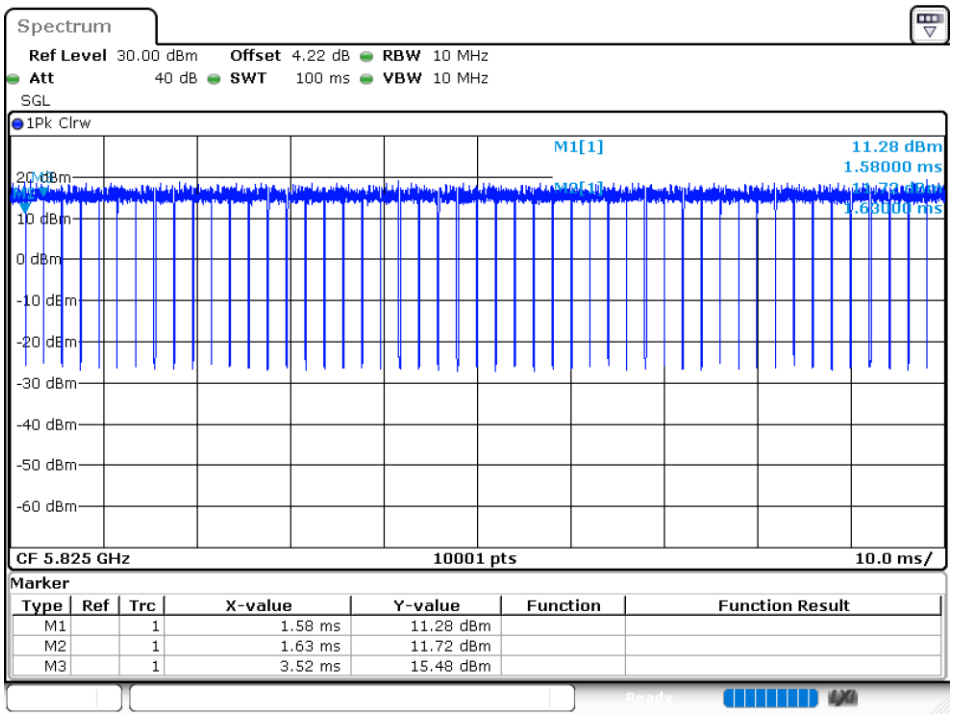
Duty Cycle NVNT n20 5745MHz Ant1



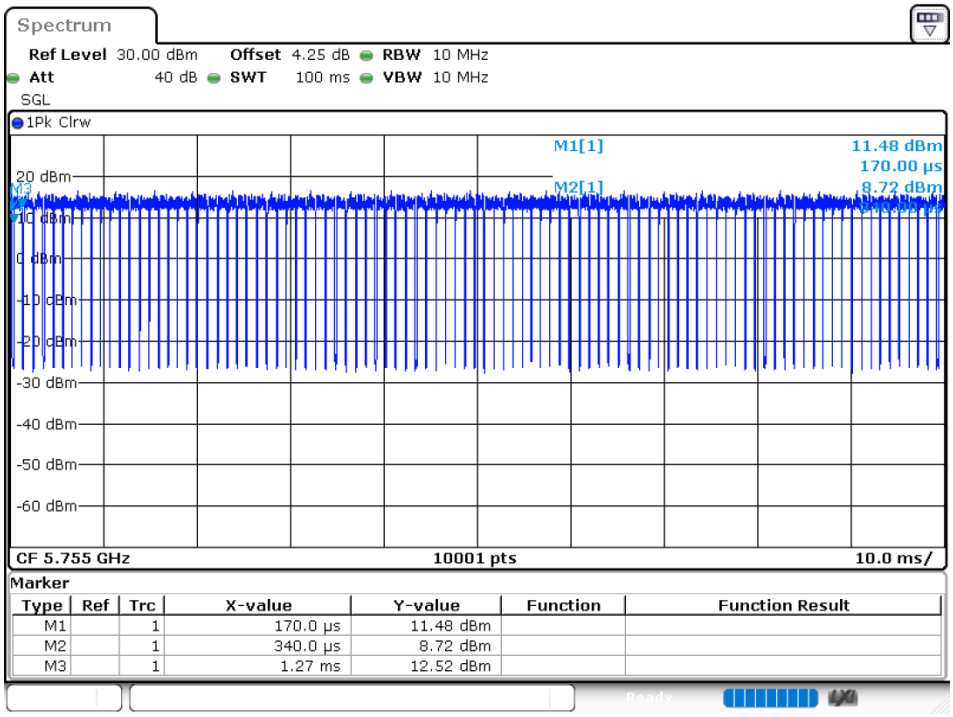
Duty Cycle NVNT n20 5785MHz Ant1



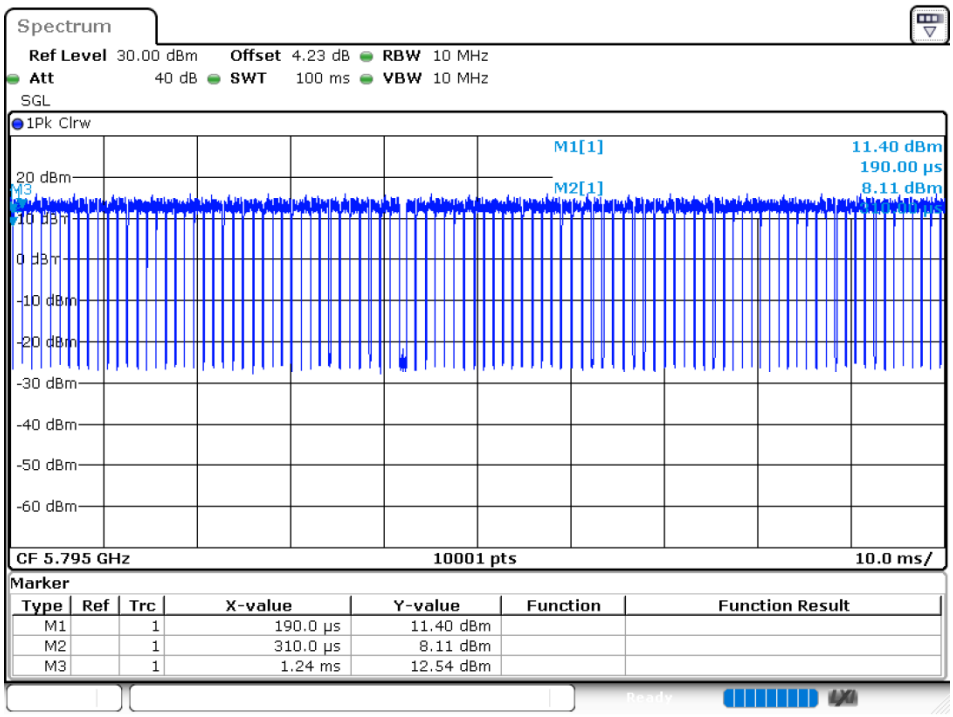
Duty Cycle NVNT n20 5825MHz Ant1



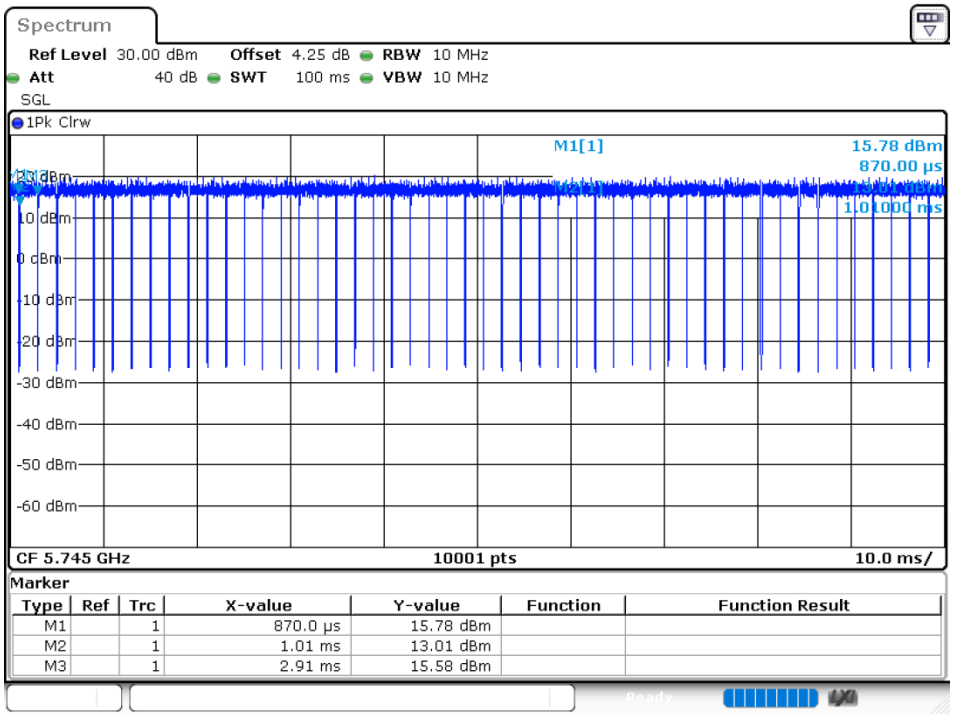
Duty Cycle NVNT n40 5755MHz Ant1



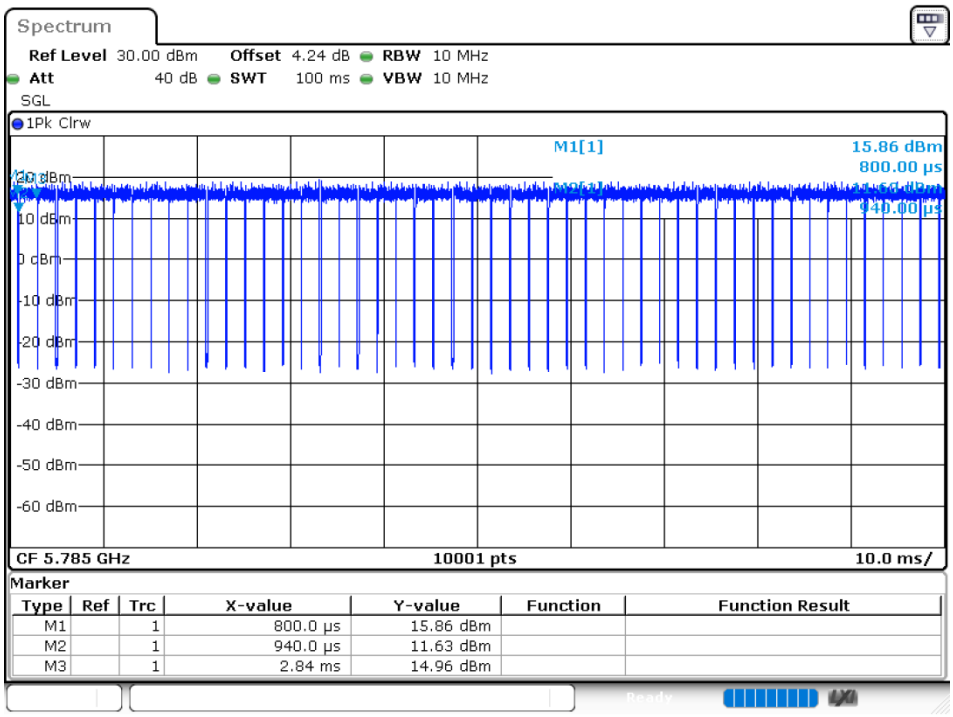
Duty Cycle NVNT n40 5795MHz Ant1



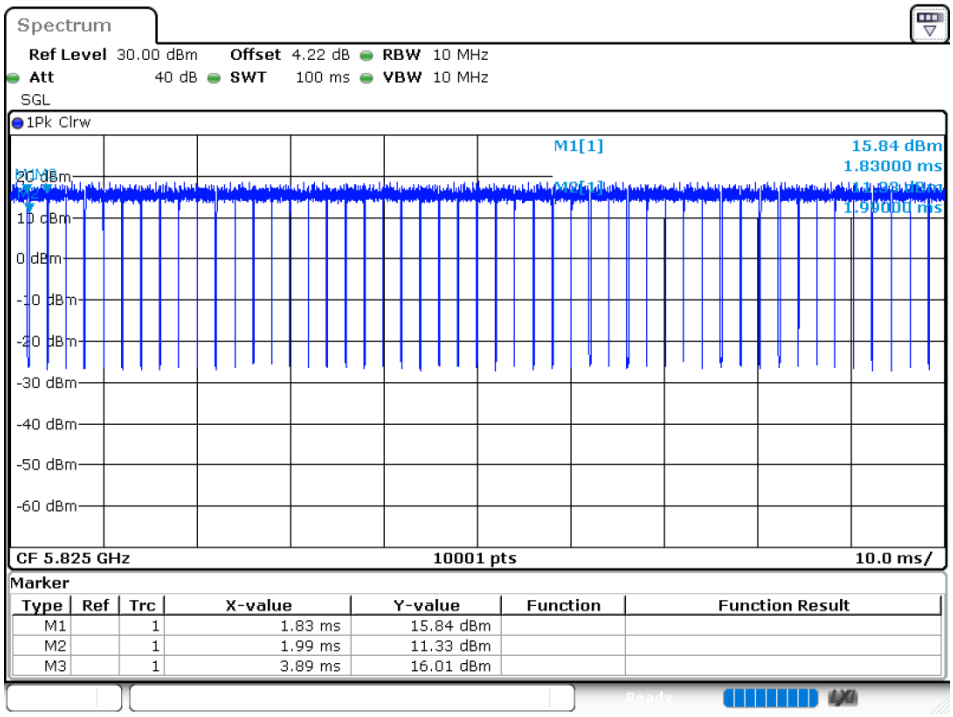
Duty Cycle NVNT ac20 5745MHz Ant1



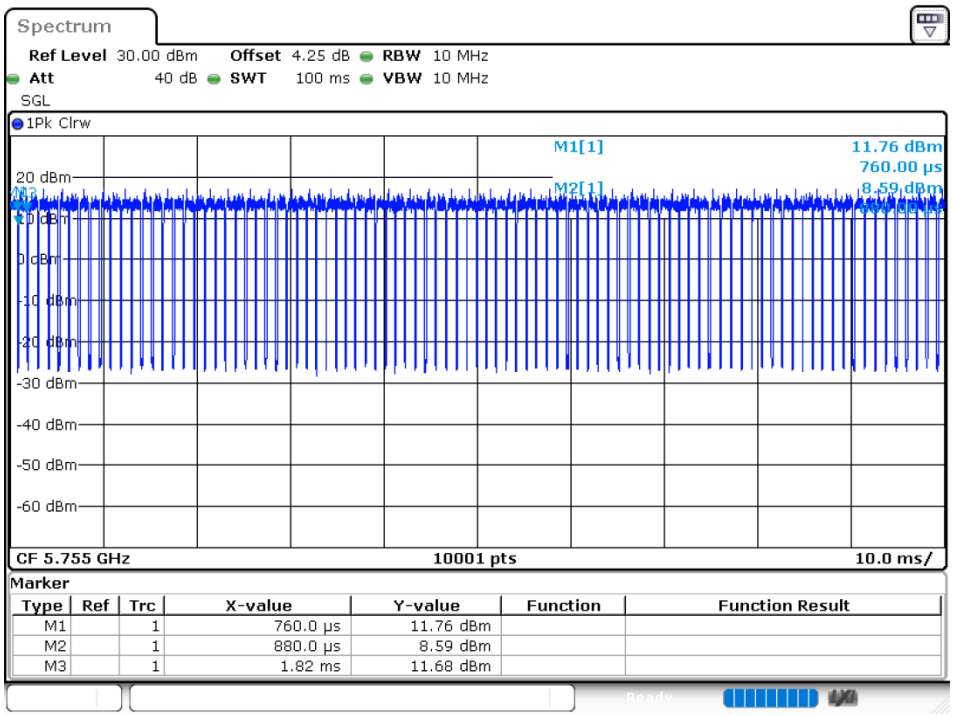
Duty Cycle NVNT ac20 5785MHz Ant1



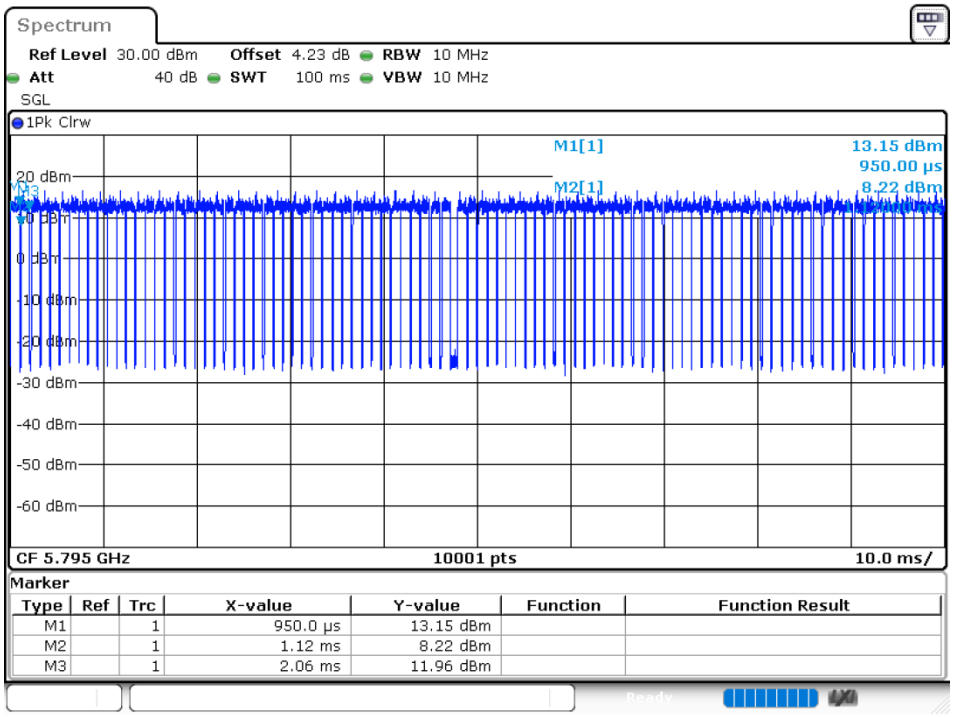
Duty Cycle NVNT ac20 5825MHz Ant1



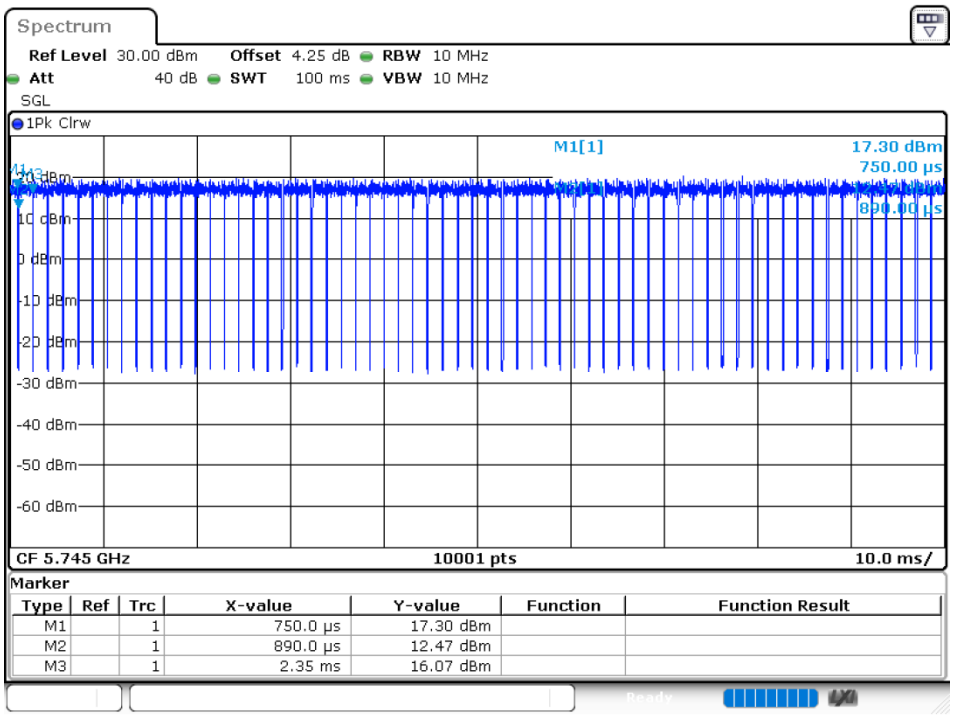
Duty Cycle NVNT ac40 5755MHz Ant1



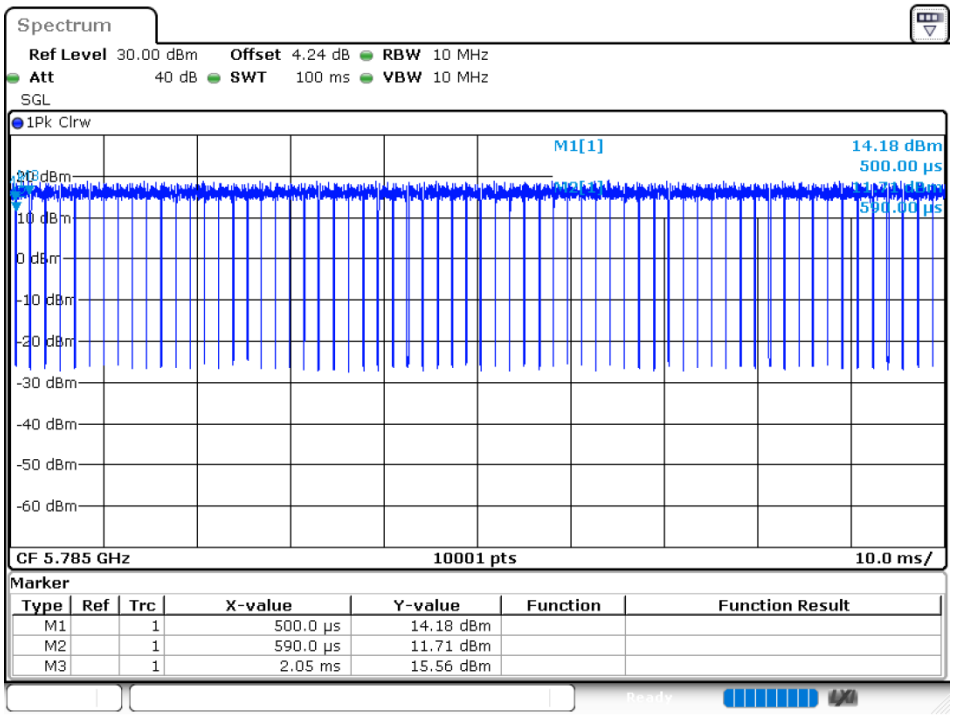
Duty Cycle NVNT ac40 5795MHz Ant1



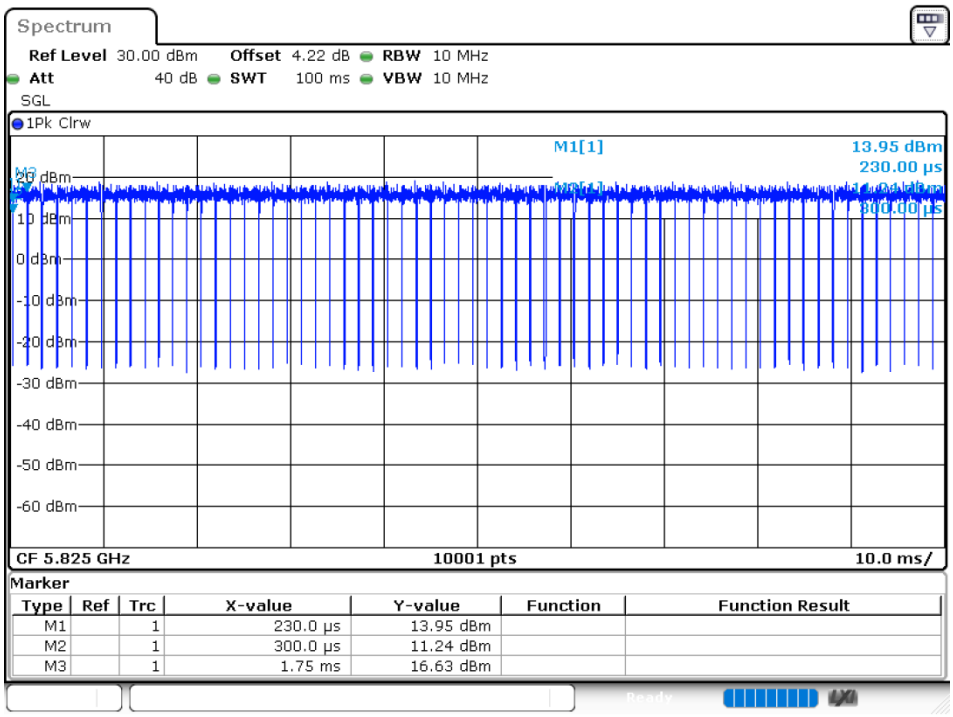
Duty Cycle NVNT ax20 5745MHz Ant1



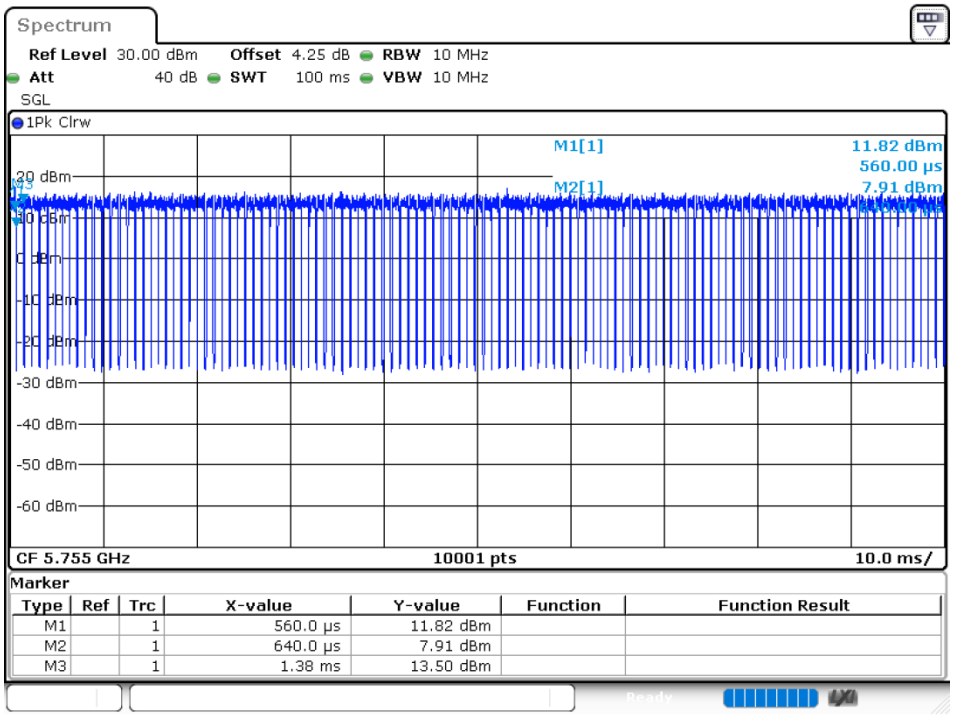
Duty Cycle NVNT ax20 5785MHz Ant1



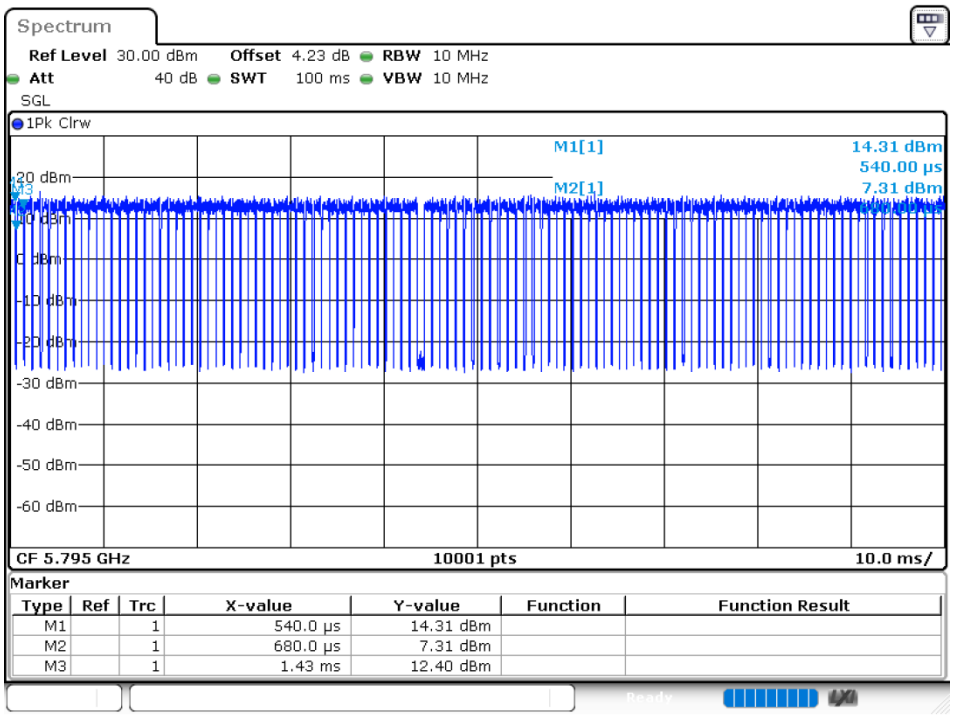
Duty Cycle NVNT ax20 5825MHz Ant1



Duty Cycle NVNT ax40 5755MHz Ant1



Duty Cycle NVNT ax40 5795MHz Ant1



Maximum Conducted Output Power

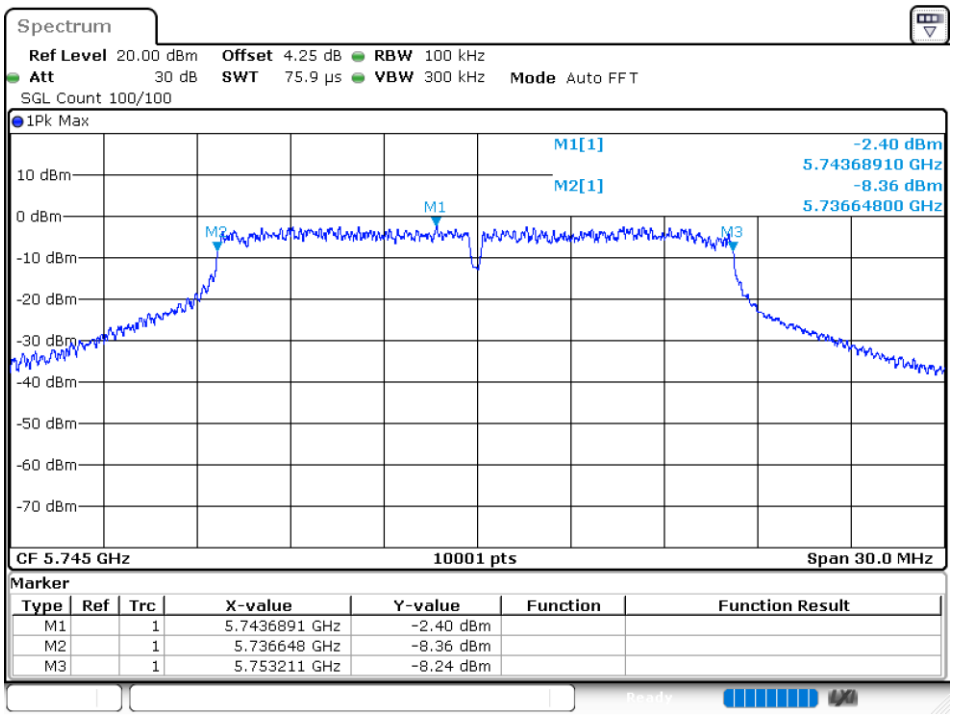
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	13.49	0.32	13.81	30	Pass
NVNT	a	5785	Ant1	13.17	0.19	13.36	30	Pass
NVNT	a	5825	Ant1	12.66	0.23	12.89	30	Pass
NVNT	n20	5745	Ant1	13.4	0.22	13.62	30	Pass
NVNT	n20	5785	Ant1	13.13	0.29	13.42	30	Pass
NVNT	n20	5825	Ant1	12.71	0.23	12.94	30	Pass
NVNT	n40	5755	Ant1	13.21	0.44	13.65	30	Pass
NVNT	n40	5795	Ant1	13	0.45	13.45	30	Pass
NVNT	ac20	5745	Ant1	13.4	0.17	13.57	30	Pass
NVNT	ac20	5785	Ant1	13.07	0.23	13.3	30	Pass
NVNT	ac20	5825	Ant1	12.61	0.21	12.82	30	Pass
NVNT	ac40	5755	Ant1	13.26	0.63	13.89	30	Pass
NVNT	ac40	5795	Ant1	12.93	0.5	13.43	30	Pass
NVNT	ax20	5745	Ant1	13.65	0.32	13.97	30	Pass
NVNT	ax20	5785	Ant1	13.21	0.27	13.48	30	Pass
NVNT	ax20	5825	Ant1	12.71	0.22	12.93	30	Pass
NVNT	ax40	5755	Ant1	13.28	0.53	13.81	30	Pass
NVNT	ax40	5795	Ant1	12.99	0.6	13.59	30	Pass

-6dB Bandwidth

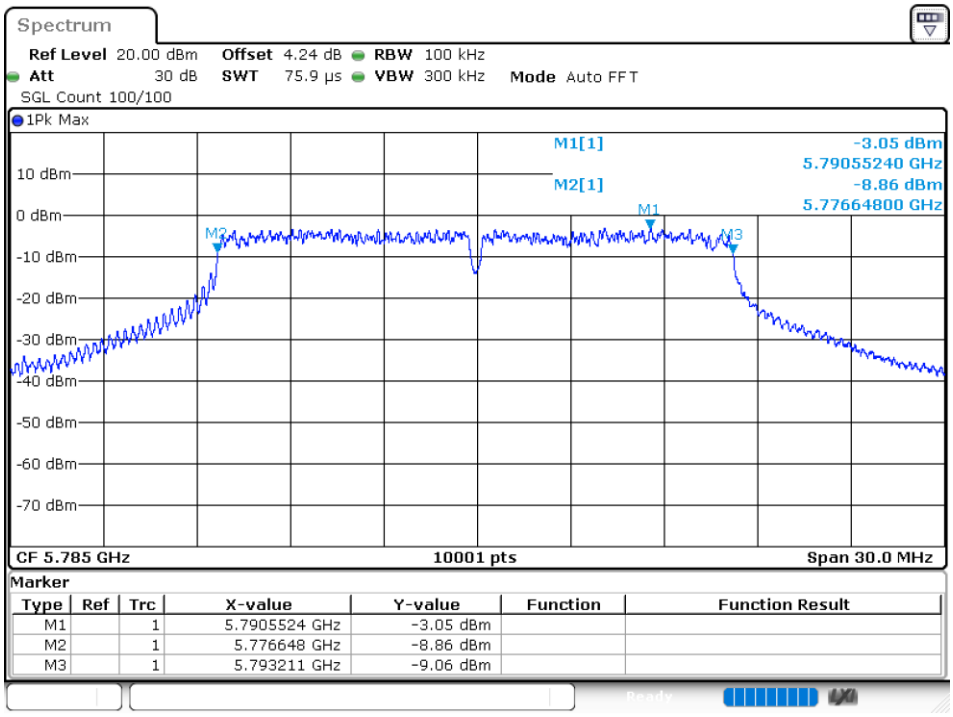
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.563	0.5	Pass
NVNT	a	5785	Ant1	16.563	0.5	Pass
NVNT	a	5825	Ant1	16.527	0.5	Pass
NVNT	n20	5745	Ant1	17.811	0.5	Pass
NVNT	n20	5785	Ant1	17.61	0.5	Pass
NVNT	n20	5825	Ant1	17.763	0.5	Pass
NVNT	n40	5755	Ant1	36.342	0.5	Pass
NVNT	n40	5795	Ant1	36.294	0.5	Pass
NVNT	ac20	5745	Ant1	17.556	0.5	Pass
NVNT	ac20	5785	Ant1	17.79	0.5	Pass
NVNT	ac20	5825	Ant1	17.592	0.5	Pass
NVNT	ac40	5755	Ant1	36.3	0.5	Pass
NVNT	ac40	5795	Ant1	36.312	0.5	Pass
NVNT	ax20	5745	Ant1	18.99	0.5	Pass
NVNT	ax20	5785	Ant1	18.984	0.5	Pass
NVNT	ax20	5825	Ant1	19.197	0.5	Pass
NVNT	ax40	5755	Ant1	37.932	0.5	Pass
NVNT	ax40	5795	Ant1	37.572	0.5	Pass

Test Graphs

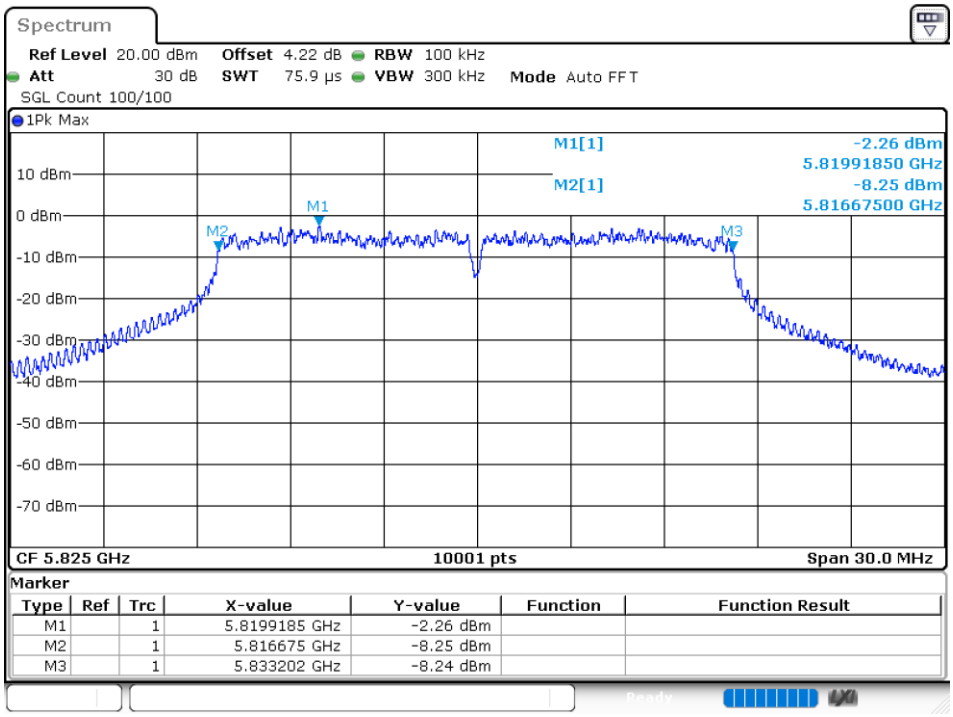
-6dB Bandwidth NVNT a 5745MHz Ant1



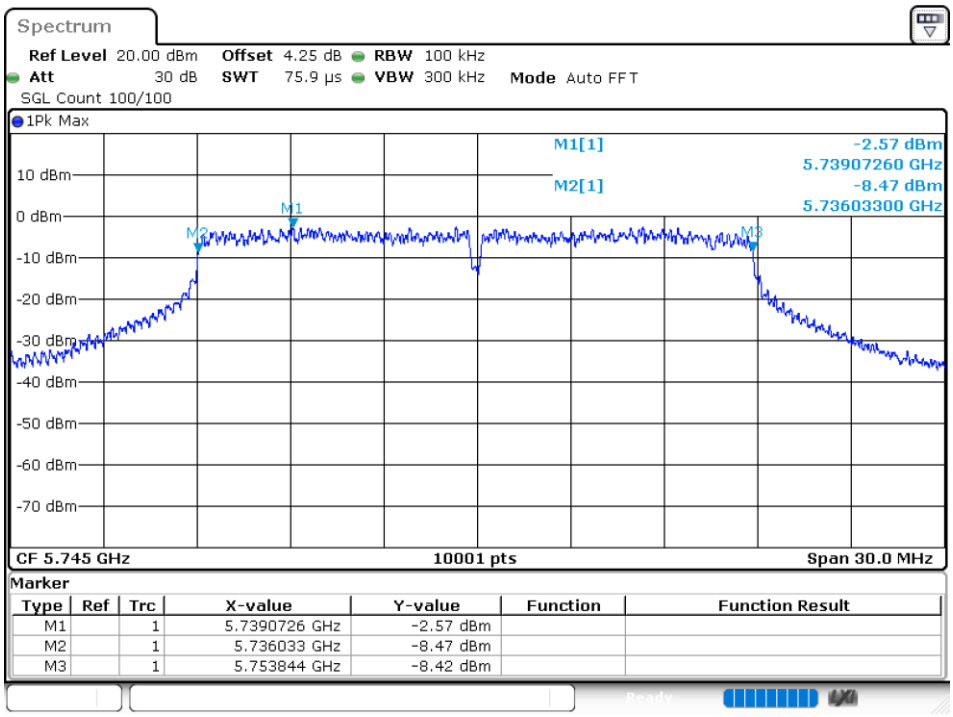
-6dB Bandwidth NVNT a 5785MHz Ant1



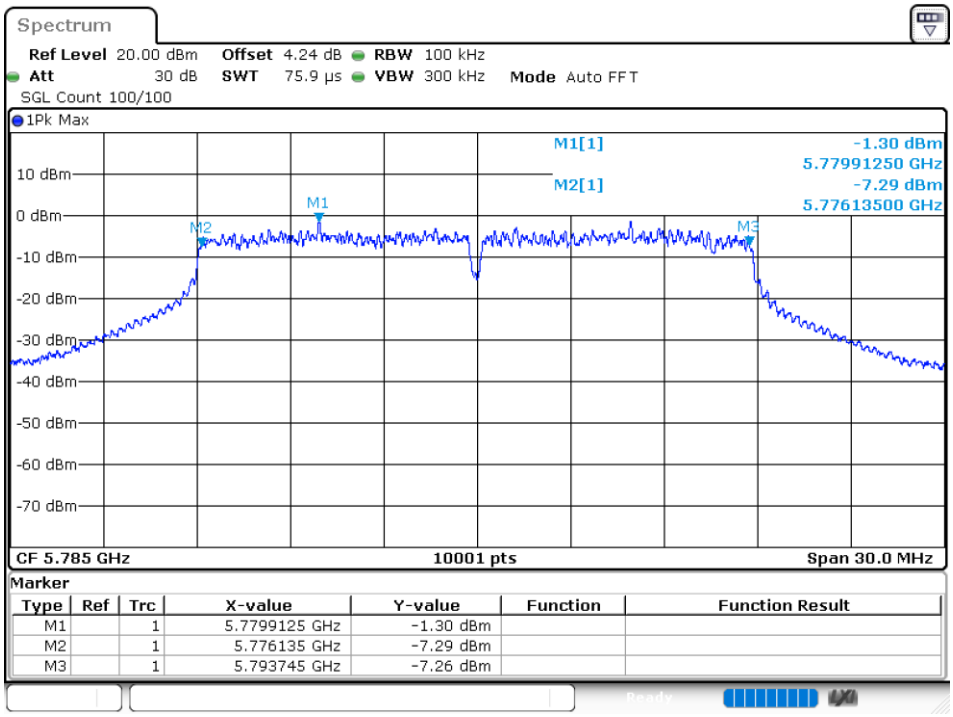
-6dB Bandwidth NVNT a 5825MHz Ant1



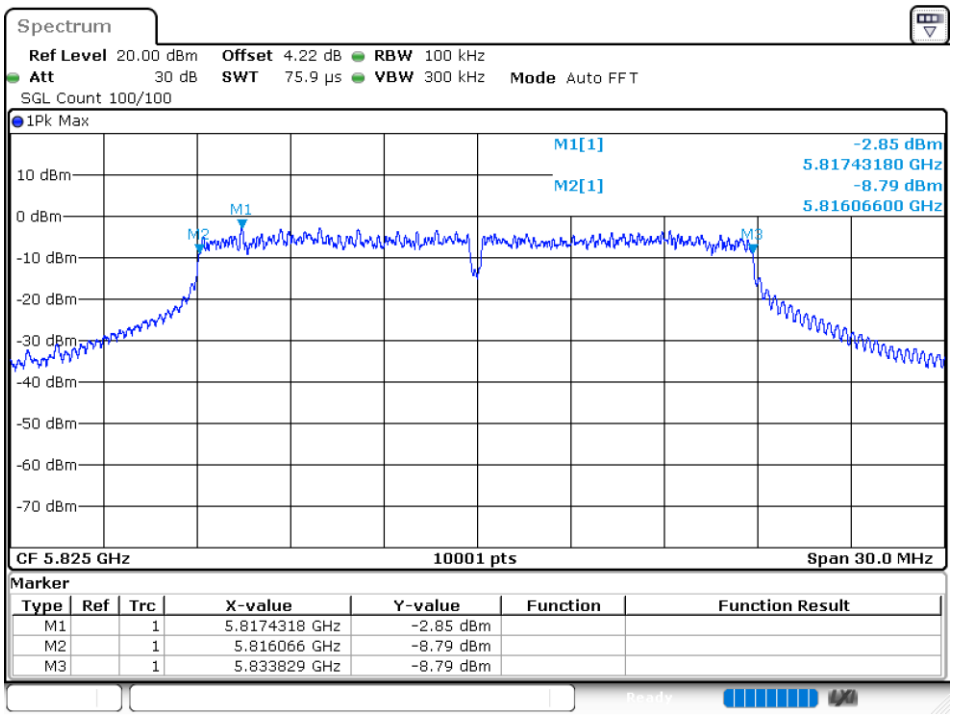
-6dB Bandwidth NVNT n20 5745MHz Ant1



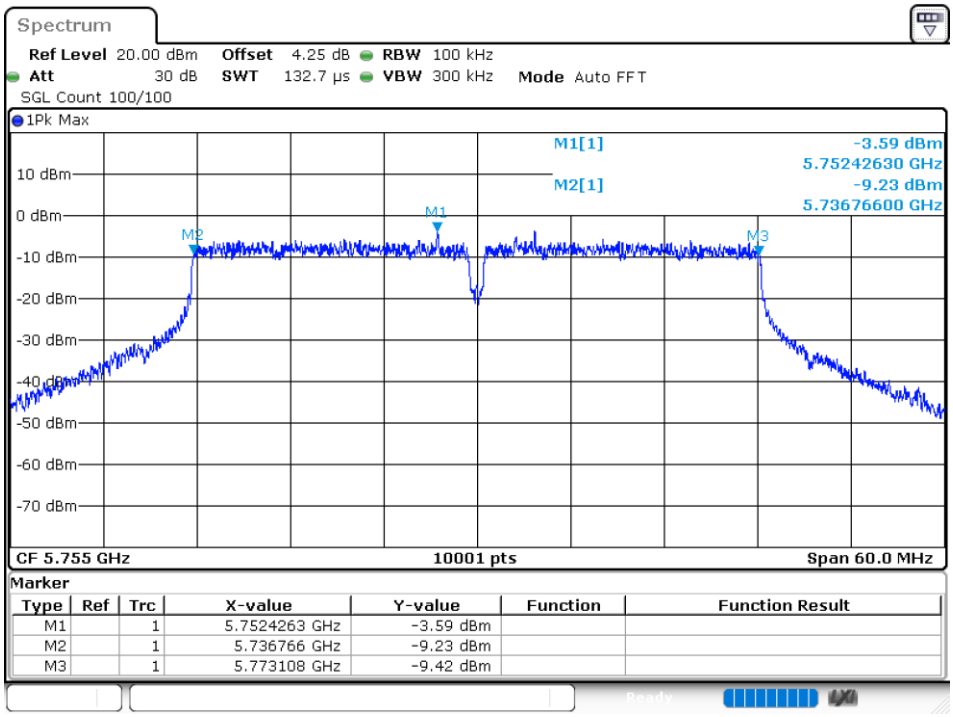
-6dB Bandwidth NVNT n20 5785MHz Ant1



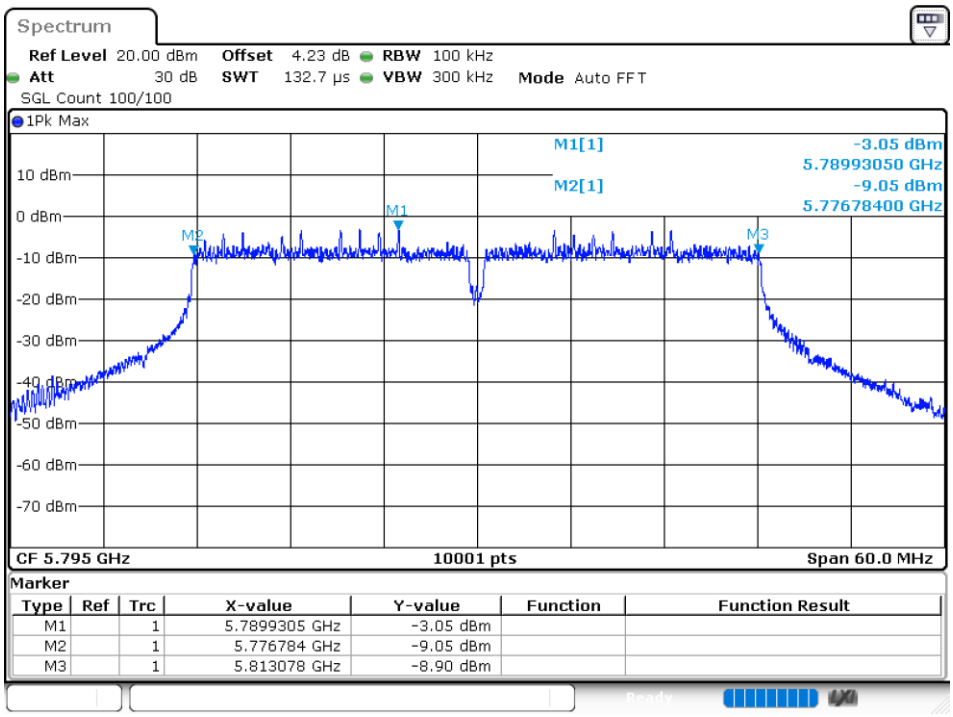
-6dB Bandwidth NVNT n20 5825MHz Ant1



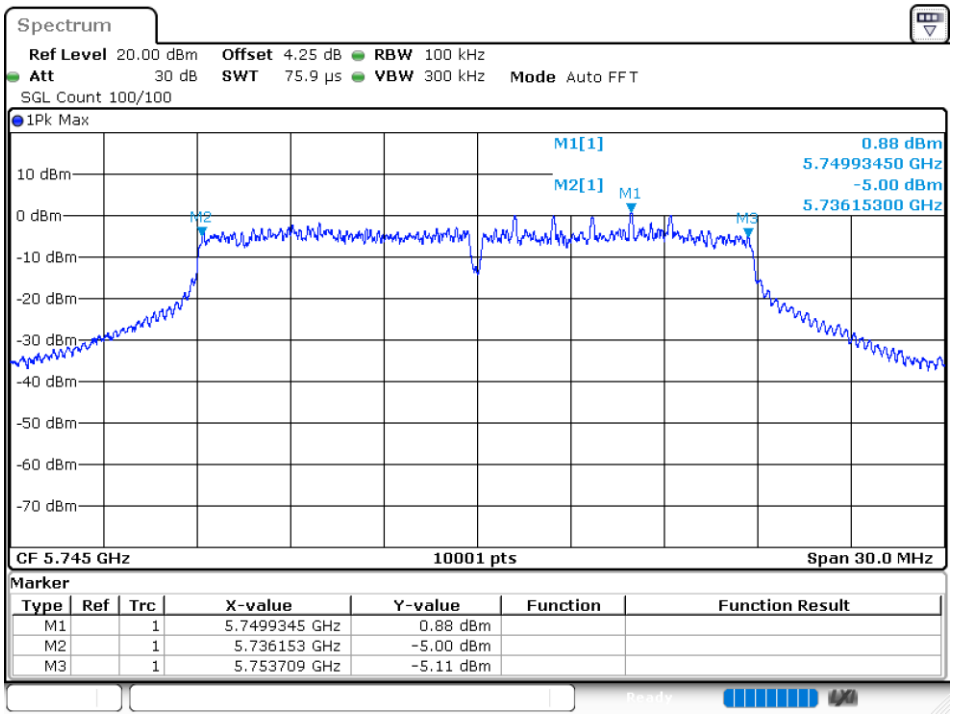
-6dB Bandwidth NVNT n40 5755MHz Ant1



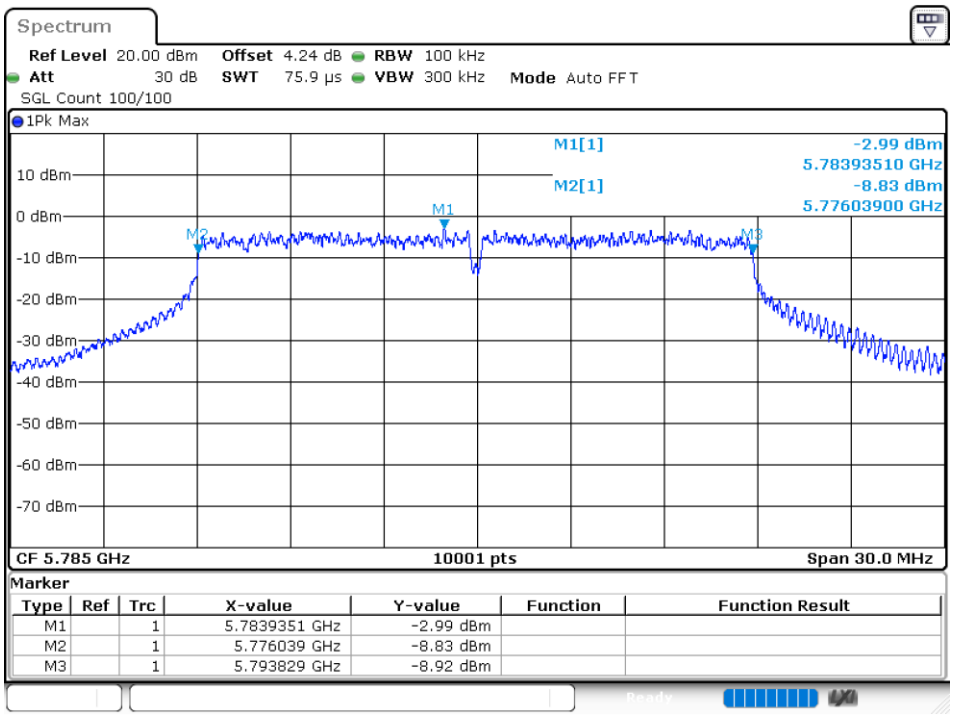
-6dB Bandwidth NVNT n40 5795MHz Ant1



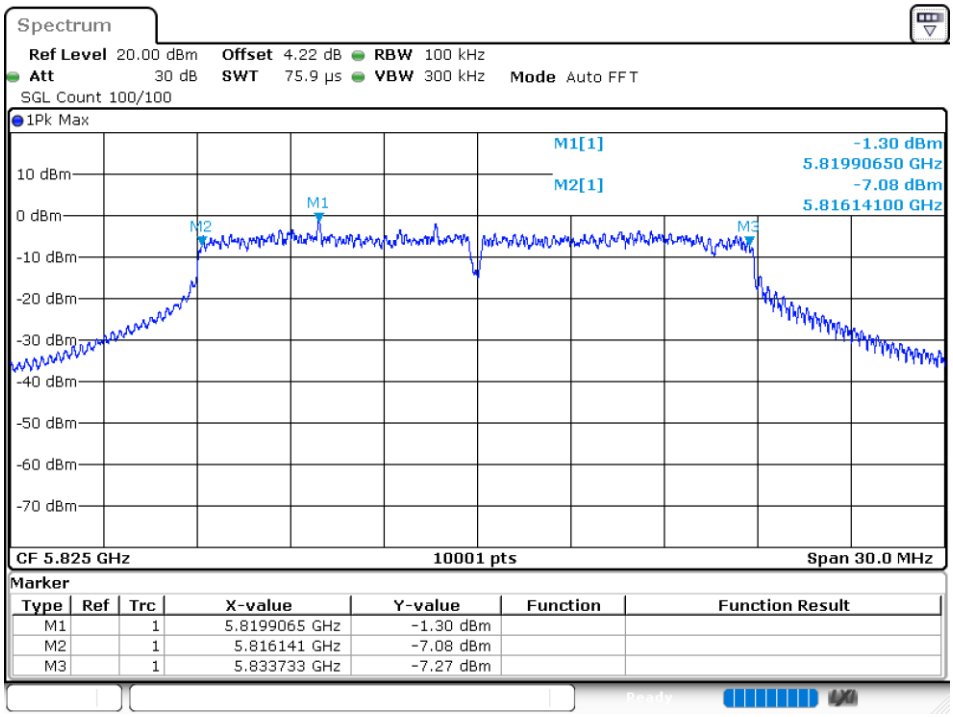
-6dB Bandwidth NVNT ac20 5745MHz Ant1



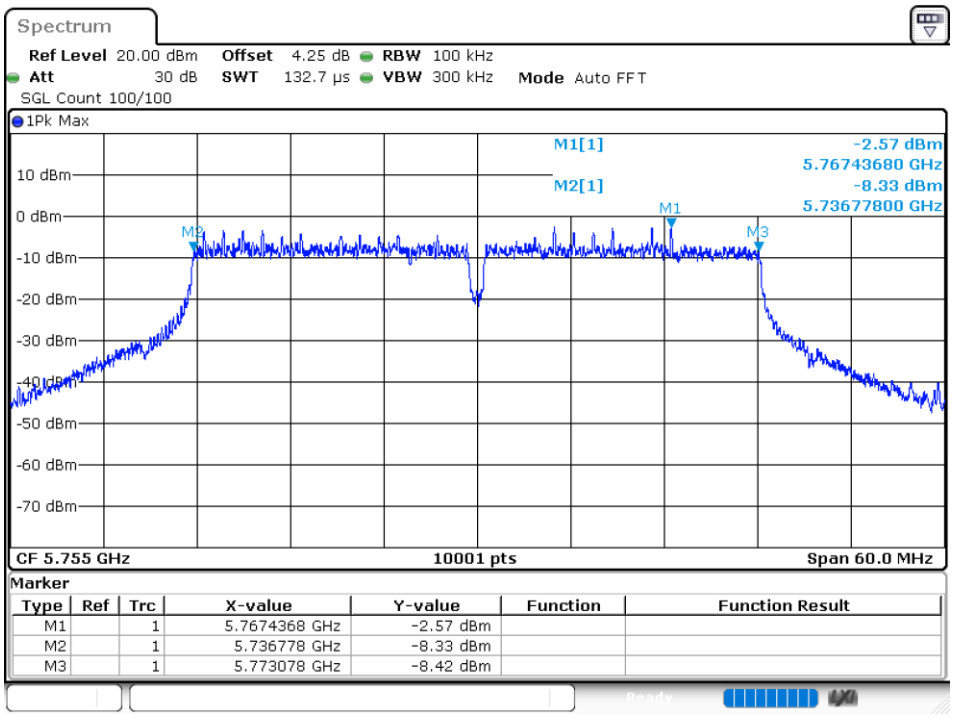
-6dB Bandwidth NVNT ac20 5785MHz Ant1



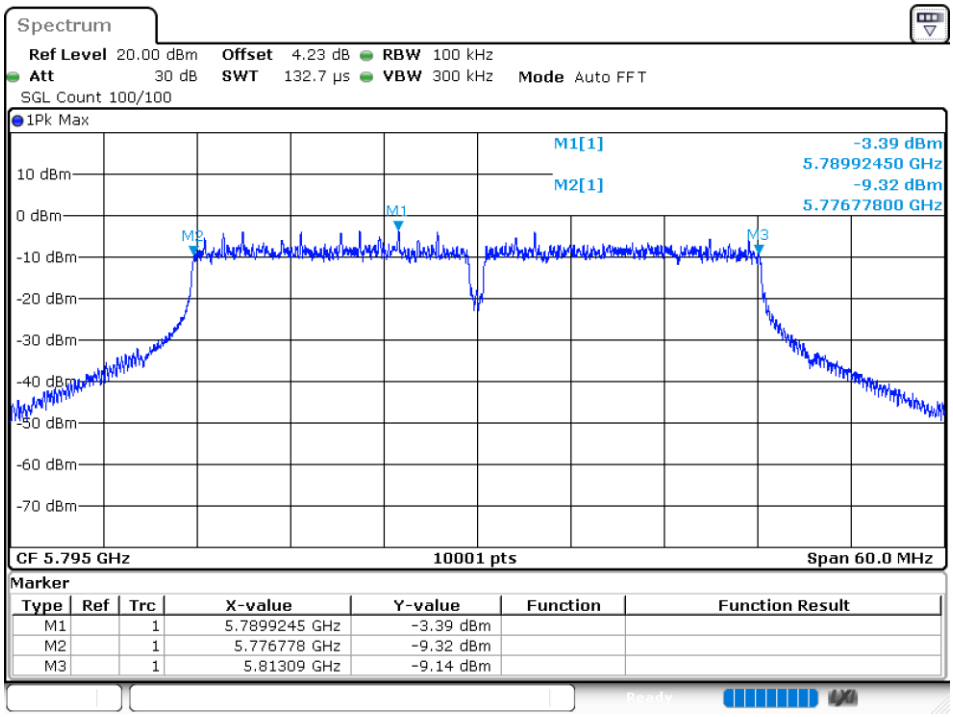
-6dB Bandwidth NVNT ac20 5825MHz Ant1



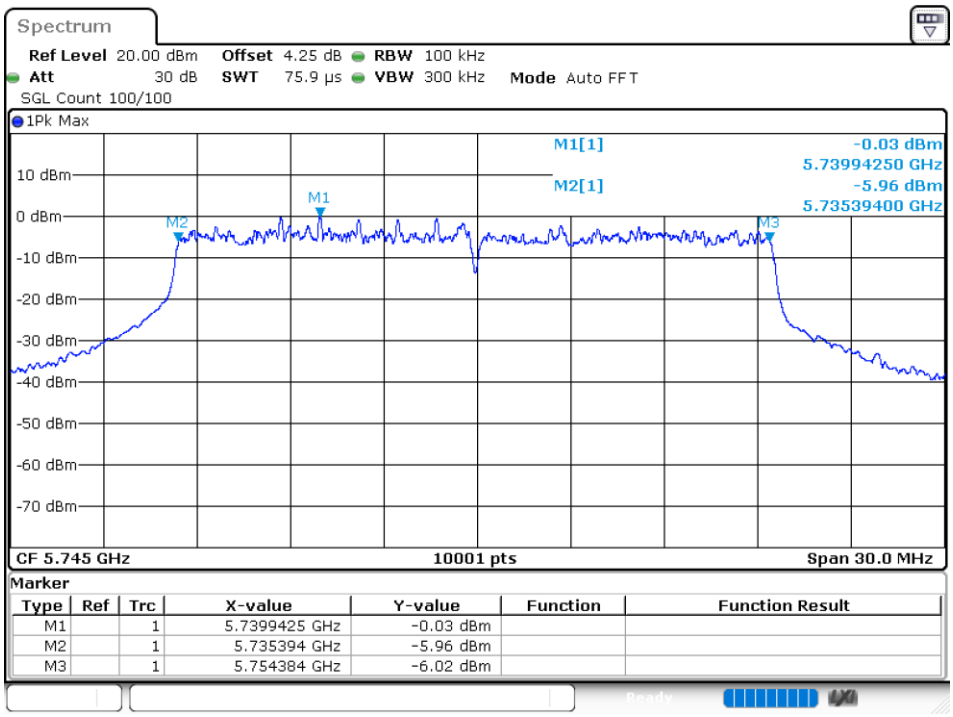
-6dB Bandwidth NVNT ac40 5755MHz Ant1



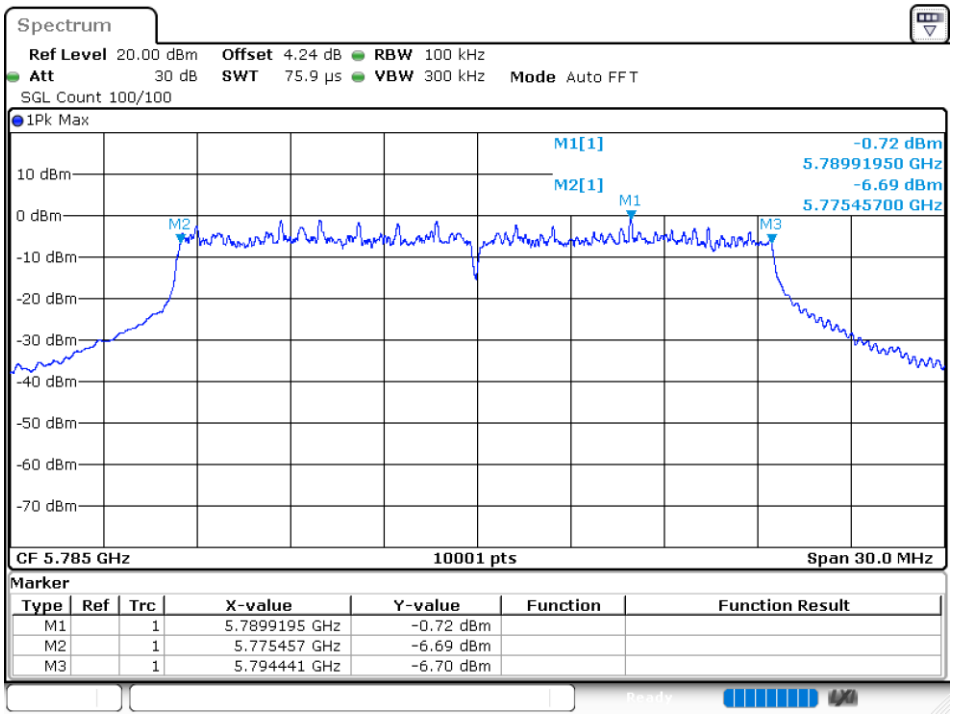
-6dB Bandwidth NVNT ac40 5795MHz Ant1



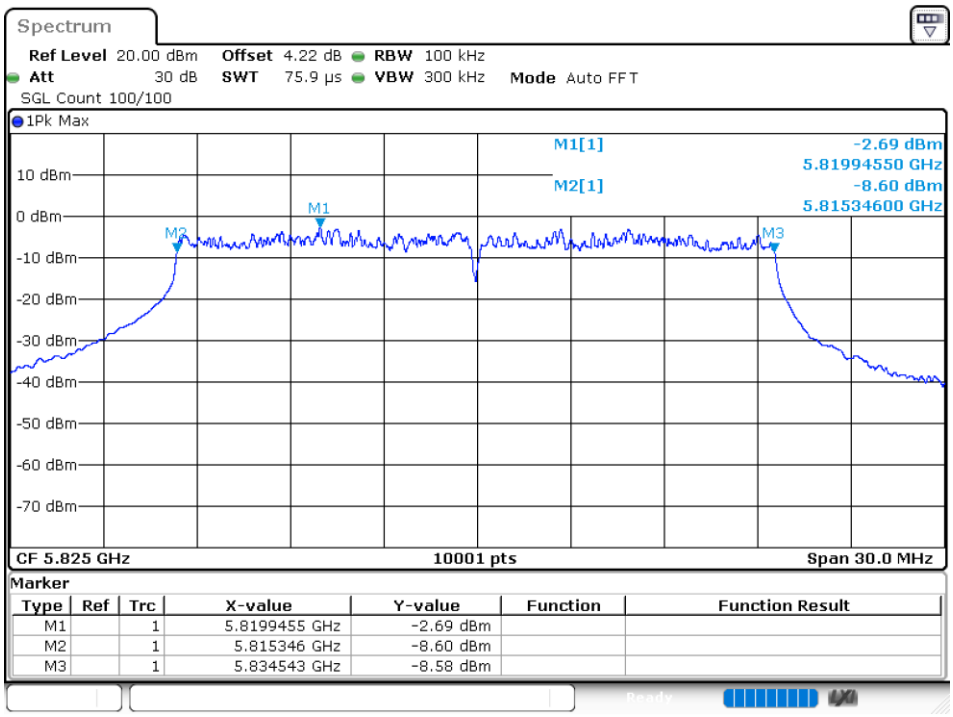
-6dB Bandwidth NVNT ax20 5745MHz Ant1



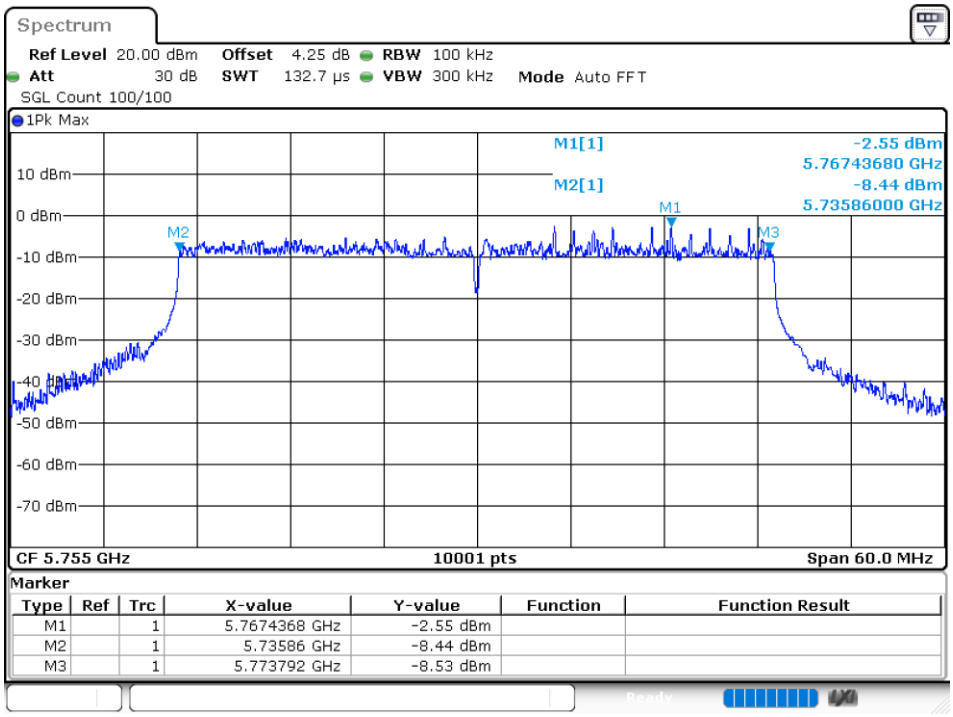
-6dB Bandwidth NVNT ax20 5785MHz Ant1



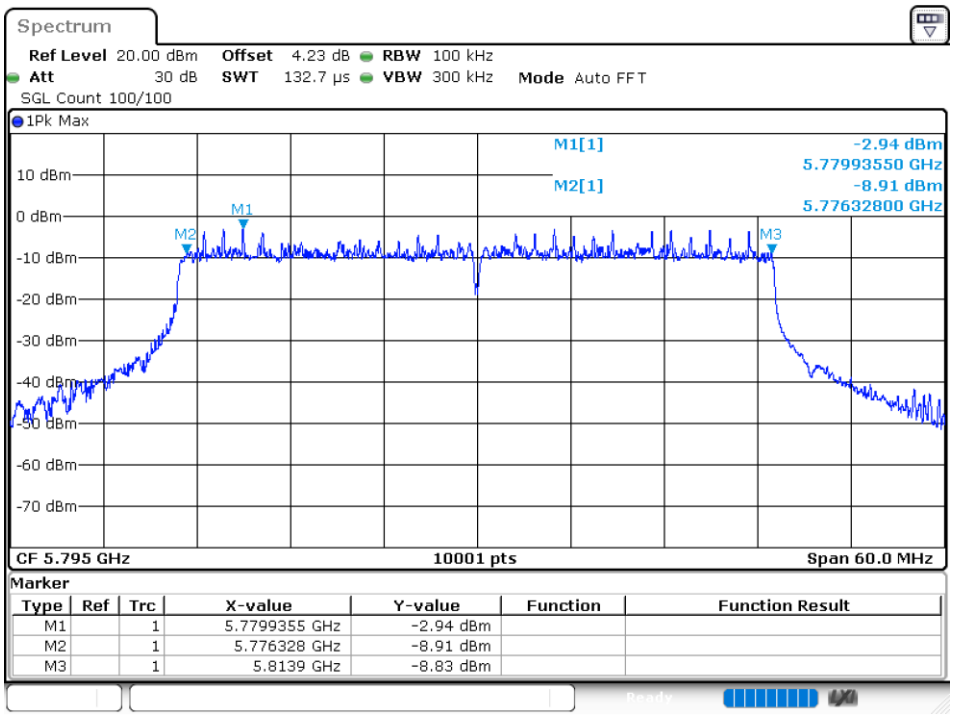
-6dB Bandwidth NVNT ax20 5825MHz Ant1



-6dB Bandwidth NVNT ax40 5755MHz Ant1



-6dB Bandwidth NVNT ax40 5795MHz Ant1

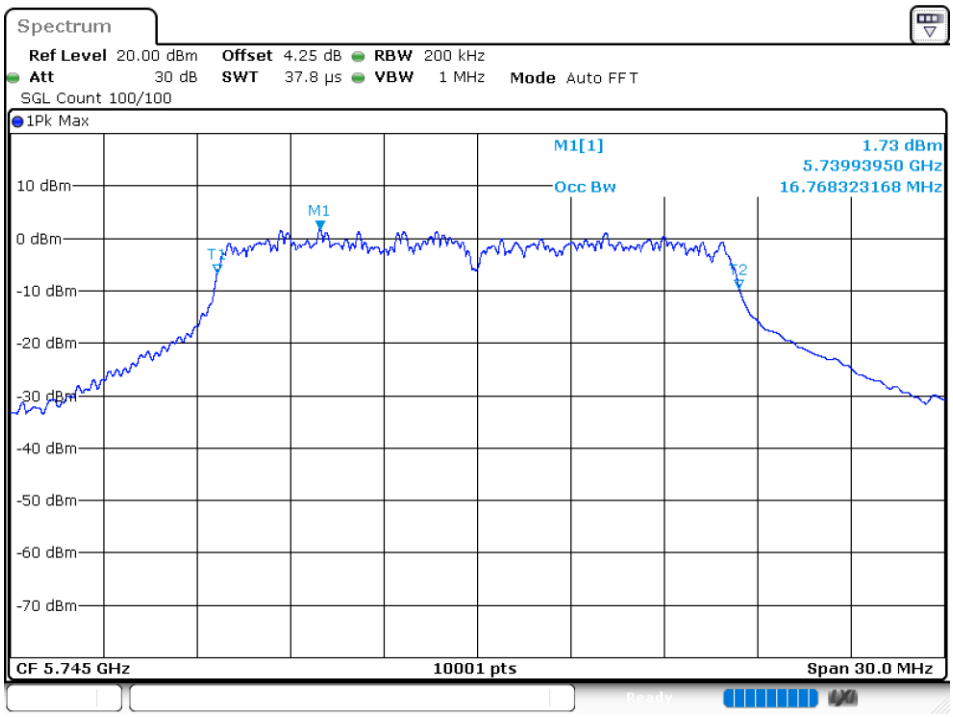


Occupied Channel Bandwidth

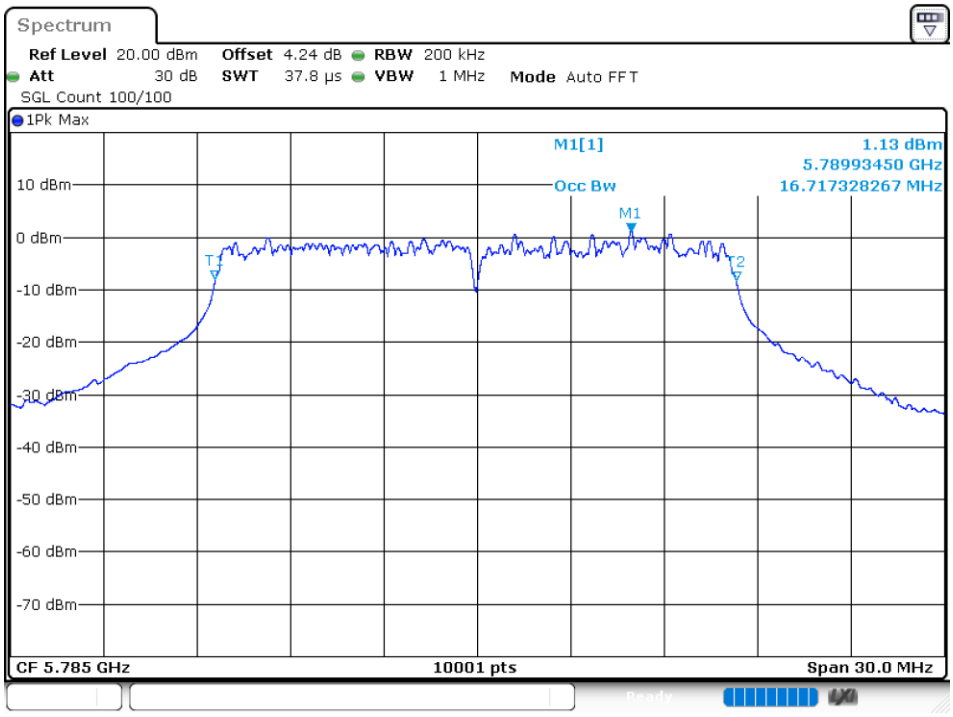
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.768
NVNT	a	5785	Ant1	16.717
NVNT	a	5825	Ant1	16.735
NVNT	n20	5745	Ant1	17.869
NVNT	n20	5785	Ant1	17.983
NVNT	n20	5825	Ant1	17.905
NVNT	n40	5755	Ant1	36.812
NVNT	n40	5795	Ant1	36.806
NVNT	ac20	5745	Ant1	17.959
NVNT	ac20	5785	Ant1	17.935
NVNT	ac20	5825	Ant1	18.163
NVNT	ac40	5755	Ant1	36.776
NVNT	ac40	5795	Ant1	36.8
NVNT	ax20	5745	Ant1	19.234
NVNT	ax20	5785	Ant1	19.015
NVNT	ax20	5825	Ant1	19.153
NVNT	ax40	5755	Ant1	38.078
NVNT	ax40	5795	Ant1	38.036

Test Graphs

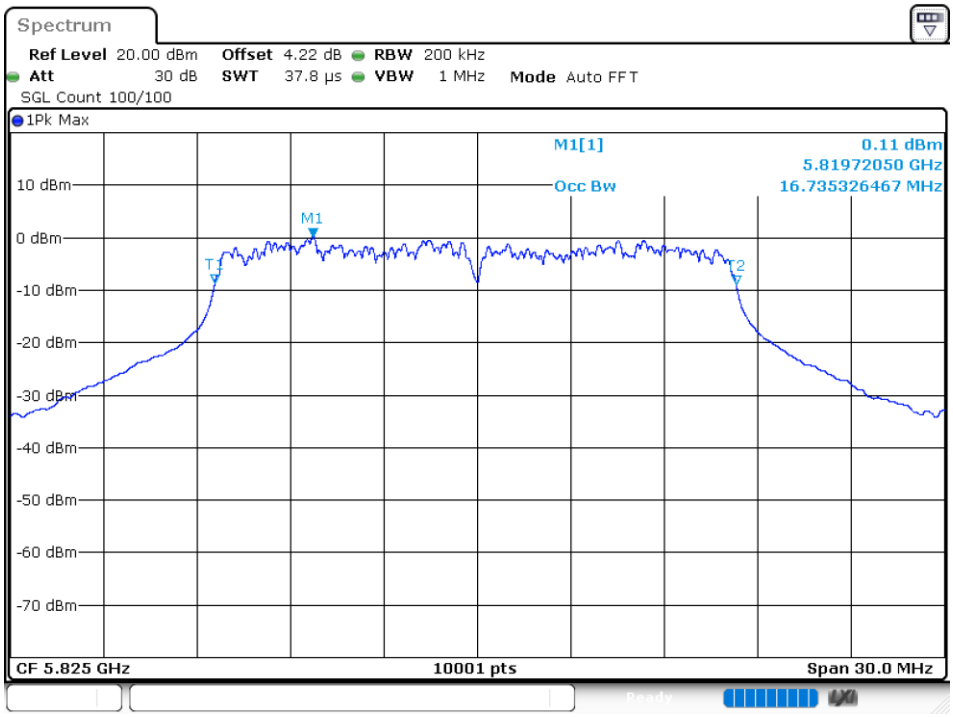
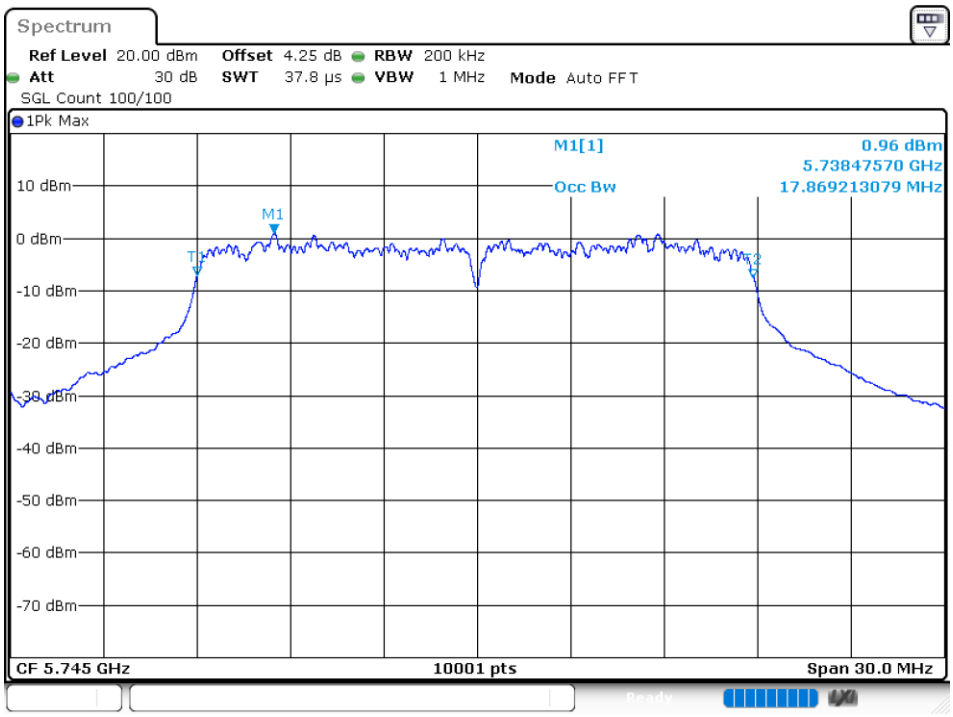
OBW NVNT a 5745MHz Ant1



OBW NVNT a 5785MHz Ant1



OBW NVNT a 5825MHz Ant1



OBW NVNT n20 5745MHz Ant1