

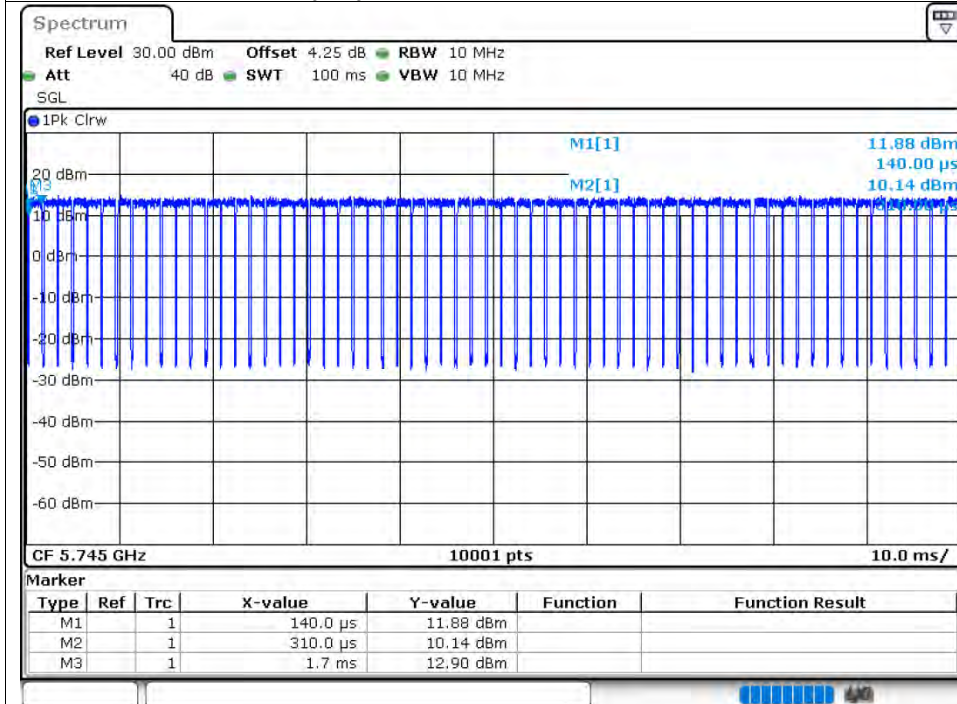
5.8G WIFI

5.1 DUTY CYCLE

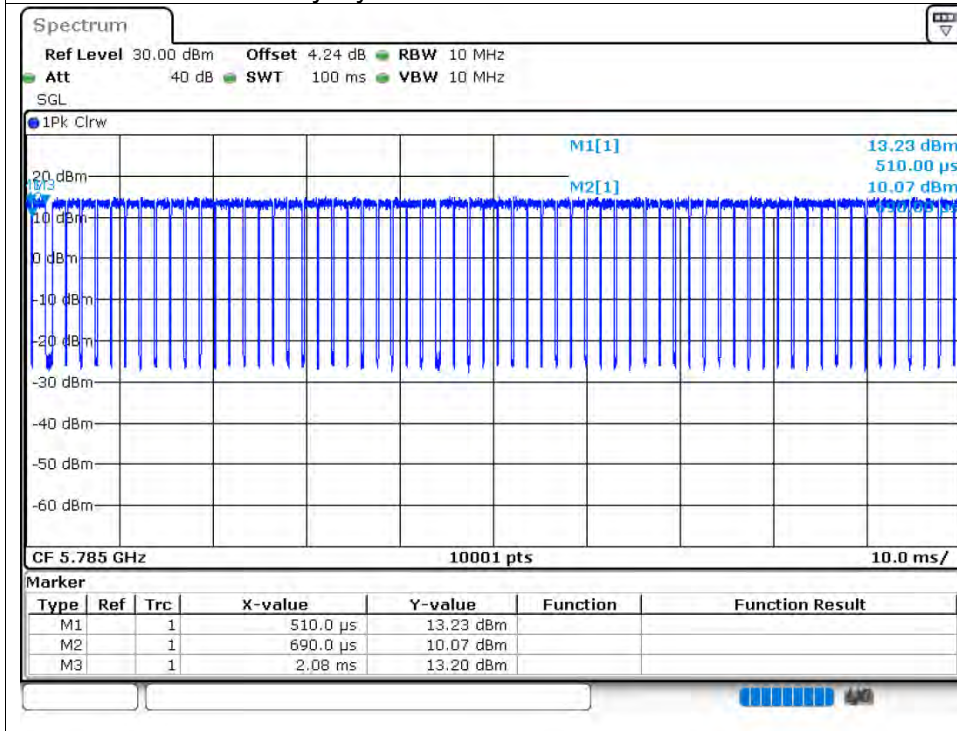
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	88.46	0.53	0.72
NVNT	a	5785	Ant1	88.07	0.55	0.72
NVNT	a	5825	Ant1	89.08	0.5	0.72
NVNT	n20	5745	Ant1	87.05	0.6	0.85
NVNT	n20	5785	Ant1	86.07	0.65	0.85
NVNT	n20	5825	Ant1	87.18	0.6	0.85
NVNT	n40	5755	Ant1	95.23	0.21	1.72
NVNT	n40	5795	Ant1	75.5	1.22	1.69
NVNT	ac20	5745	Ant1	87.21	0.59	0.84
NVNT	ac20	5785	Ant1	97.42	0.11	0.85
NVNT	ac20	5825	Ant1	97.37	0.12	0.85
NVNT	ac40	5755	Ant1	77.14	1.13	1.69
NVNT	ac40	5795	Ant1	95.22	0.21	1.69
NVNT	ac80	5775	Ant1	63.03	2	3.45

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1



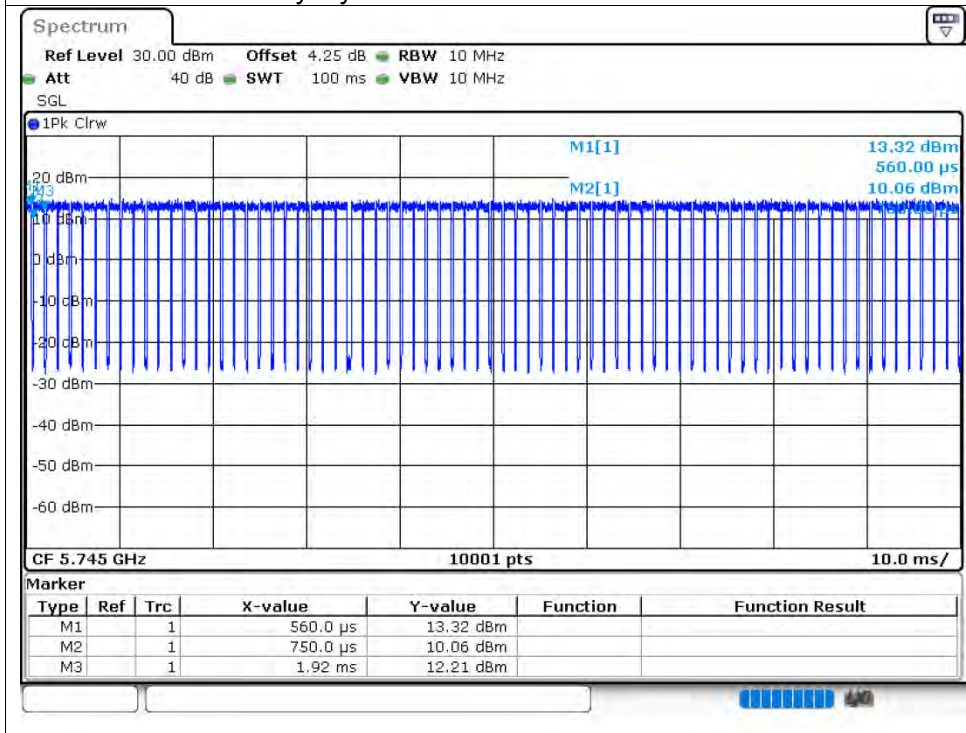
Duty Cycle NVNT a 5785MHz Ant1

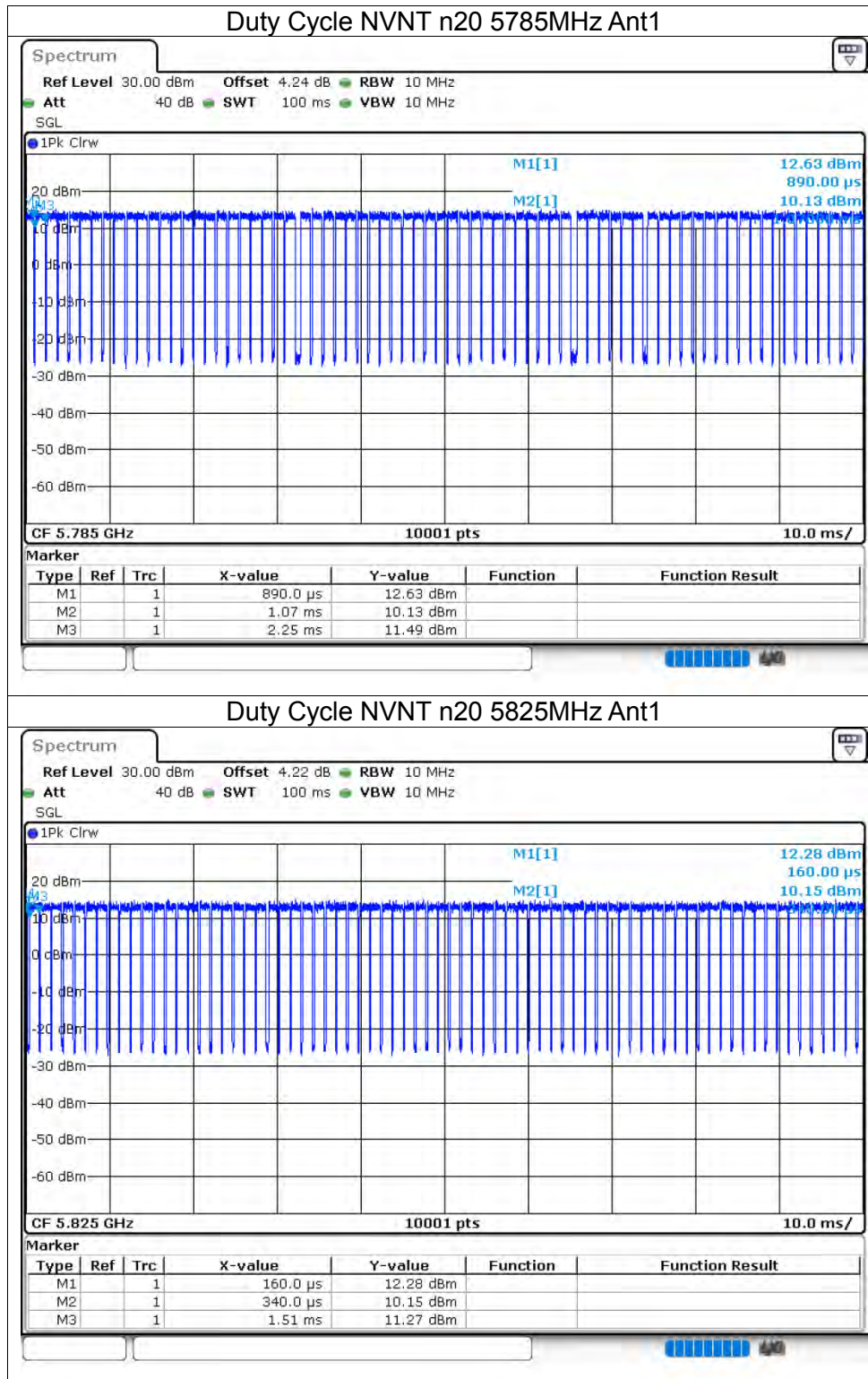


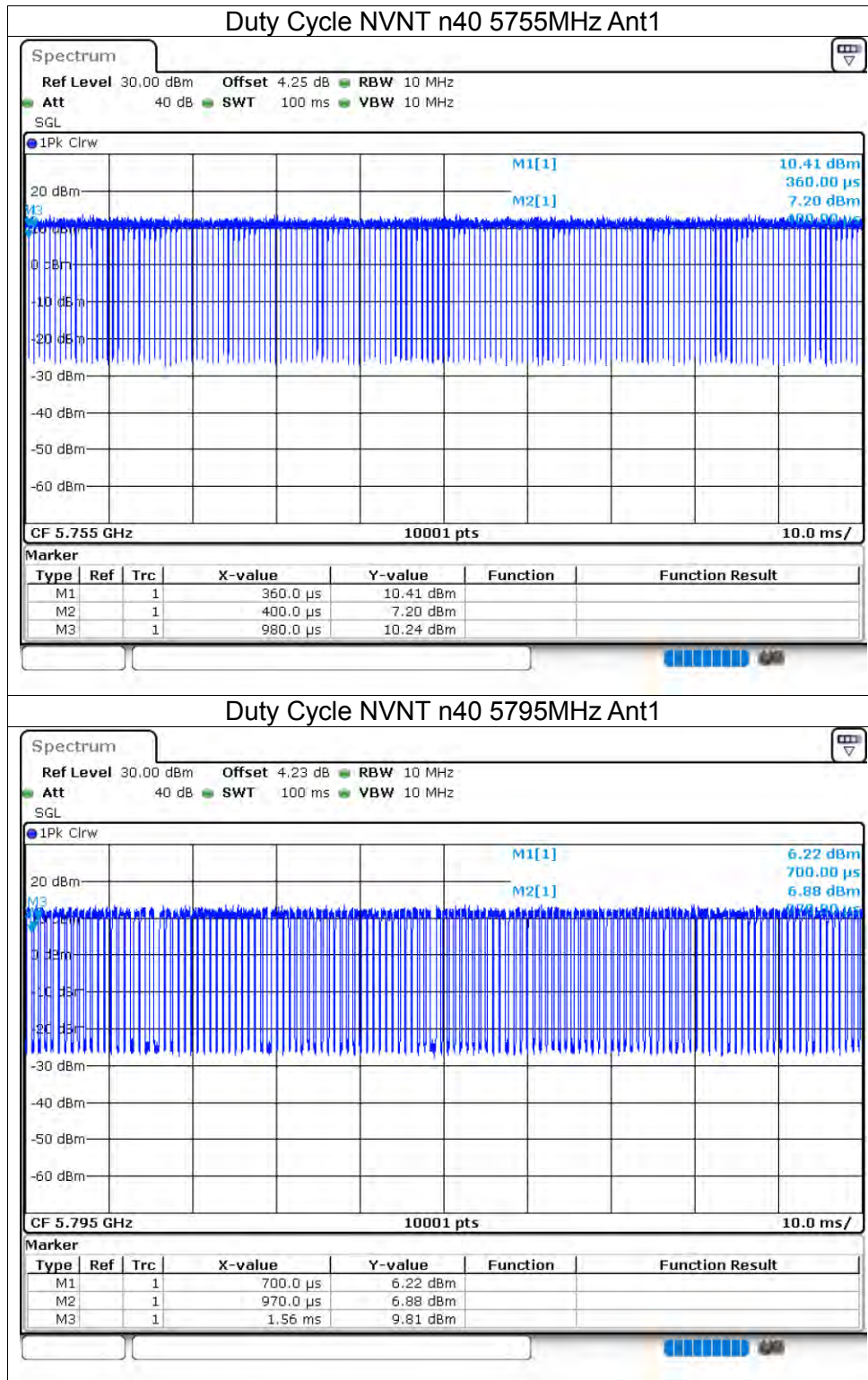
Duty Cycle NVNT a 5825MHz Ant1



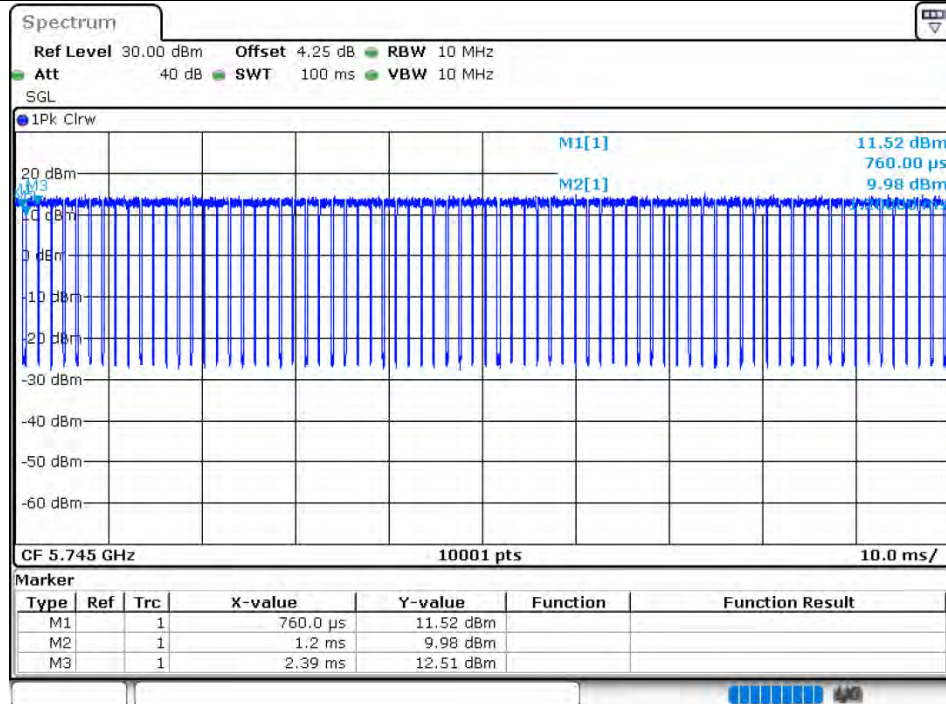
Duty Cycle NVNT n20 5745MHz Ant1



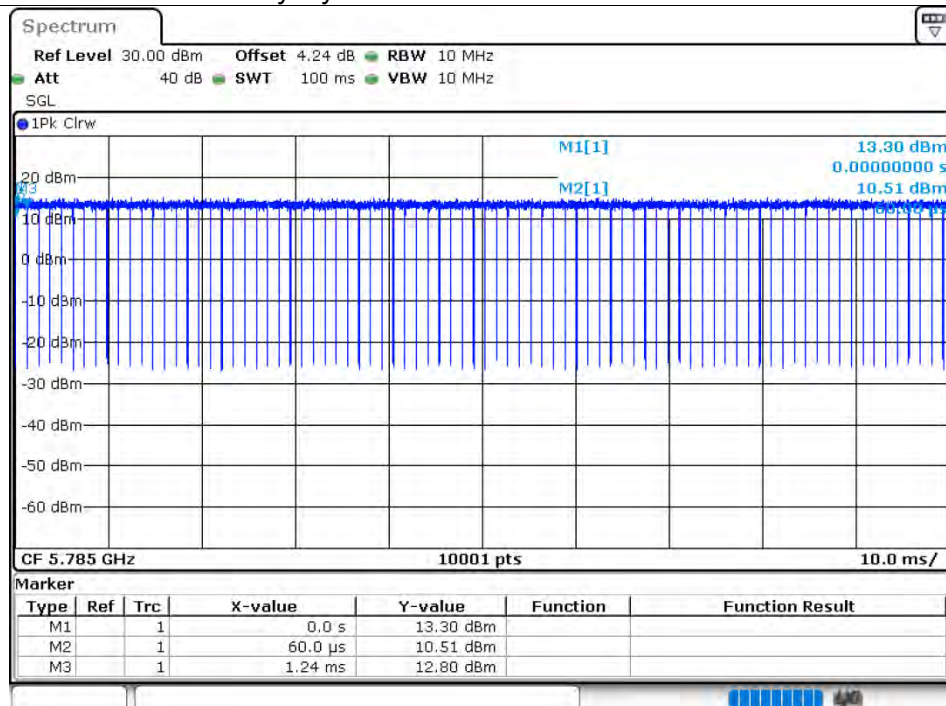




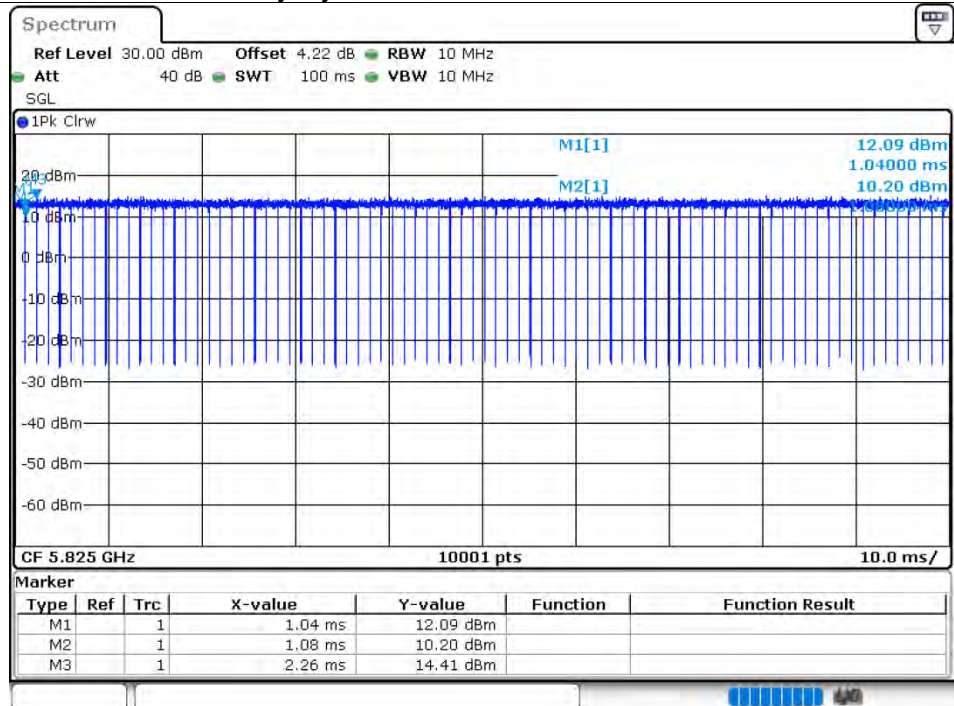
Duty Cycle NVNT ac20 5745MHz Ant1



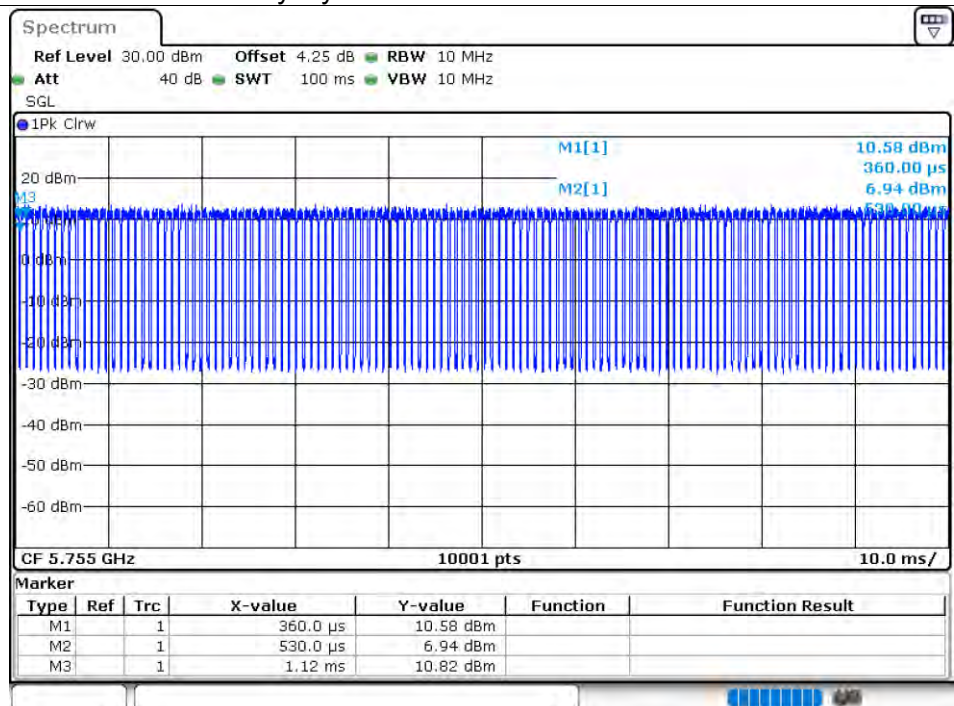
Duty Cycle NVNT ac20 5785MHz Ant1



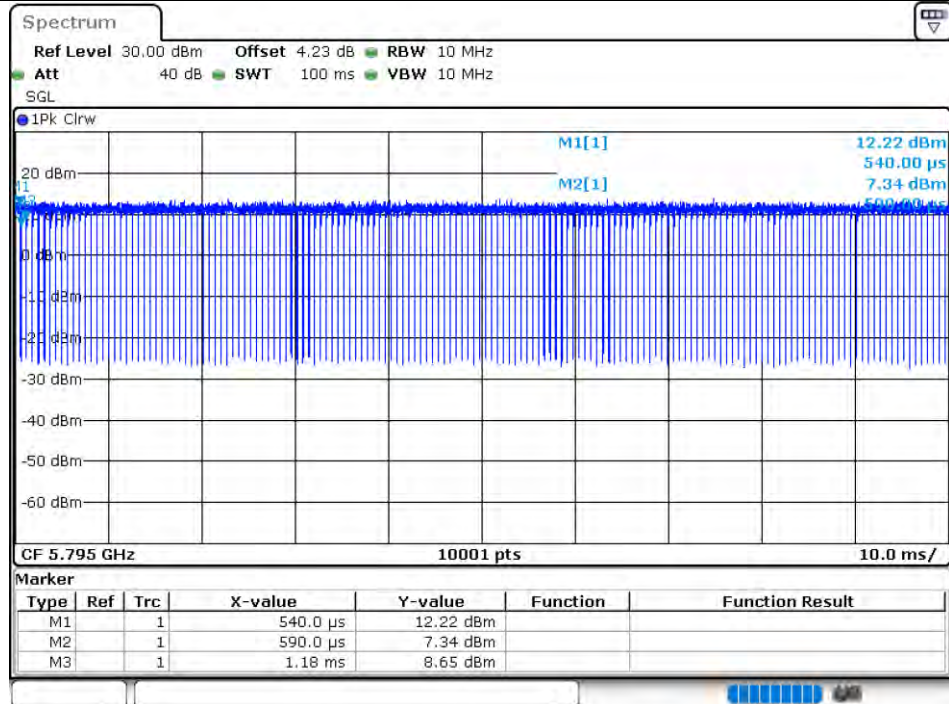
Duty Cycle NVNT ac20 5825MHz Ant1



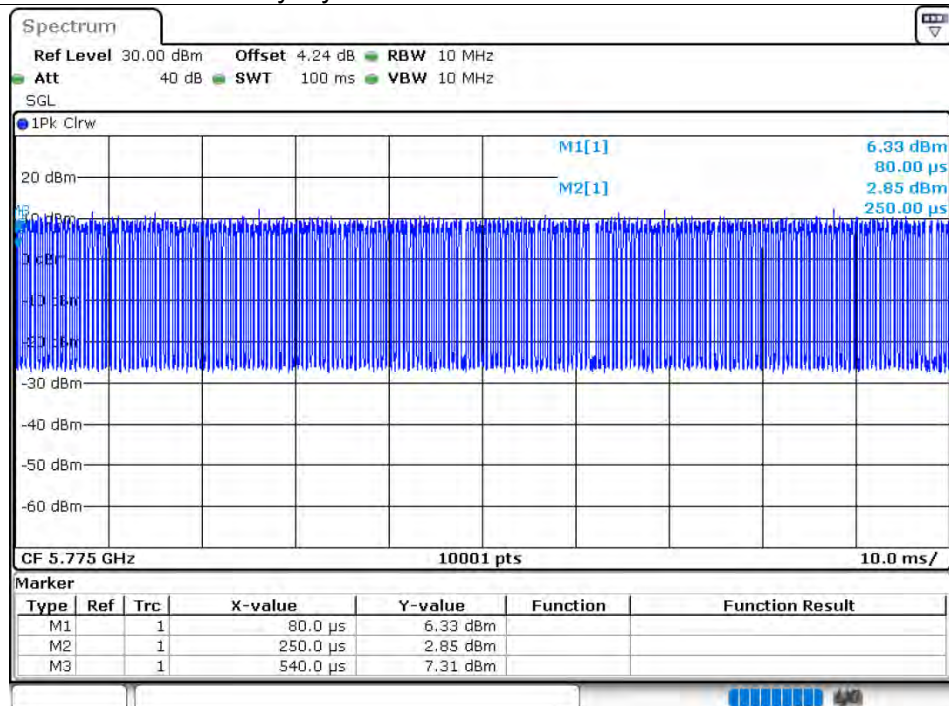
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



5.2 MAXIMUM CONDUCTED OUTPUT POWER

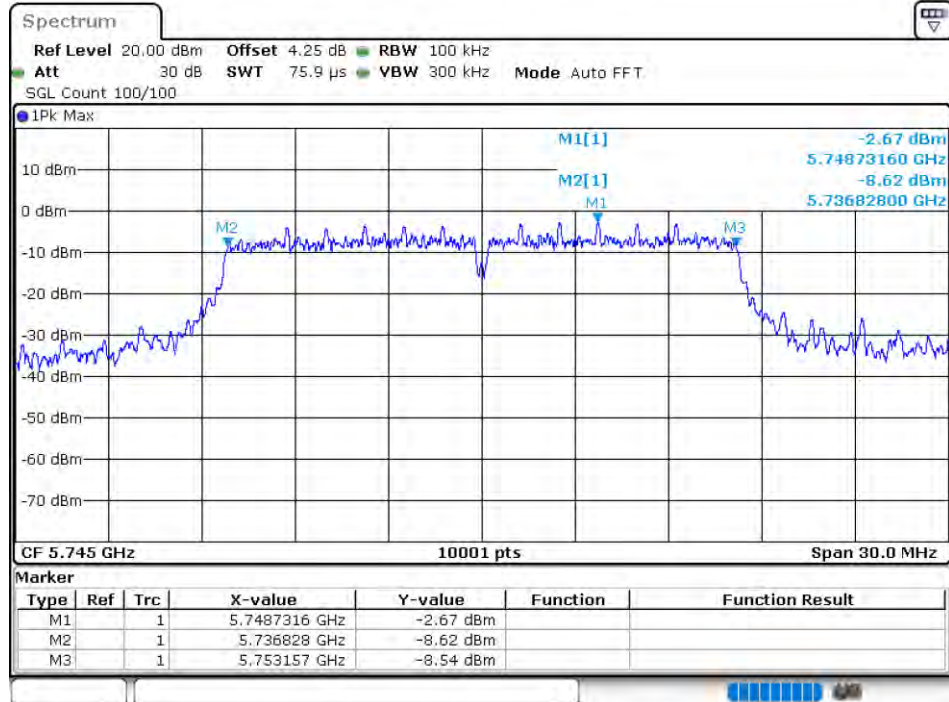
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.64	0.53	10.17	30	Pass
NVNT	a	5785	Ant1	10.14	0.55	10.69	30	Pass
NVNT	a	5825	Ant1	9.65	0.5	10.15	30	Pass
NVNT	n20	5745	Ant1	9.64	0.6	10.24	30	Pass
NVNT	n20	5785	Ant1	10.13	0.65	10.78	30	Pass
NVNT	n20	5825	Ant1	9.97	0.6	10.57	30	Pass
NVNT	n40	5755	Ant1	10.06	0.21	10.27	30	Pass
NVNT	n40	5795	Ant1	9.49	1.22	10.71	30	Pass
NVNT	ac20	5745	Ant1	9.69	0.59	10.28	30	Pass
NVNT	ac20	5785	Ant1	10.4	0.11	10.51	30	Pass
NVNT	ac20	5825	Ant1	10.19	0.12	10.31	30	Pass
NVNT	ac40	5755	Ant1	9.23	1.13	10.36	30	Pass
NVNT	ac40	5795	Ant1	10.51	0.21	10.72	30	Pass
NVNT	ac80	5775	Ant1	8.57	2	10.57	30	Pass

5.3 -6DB BANDWIDTH

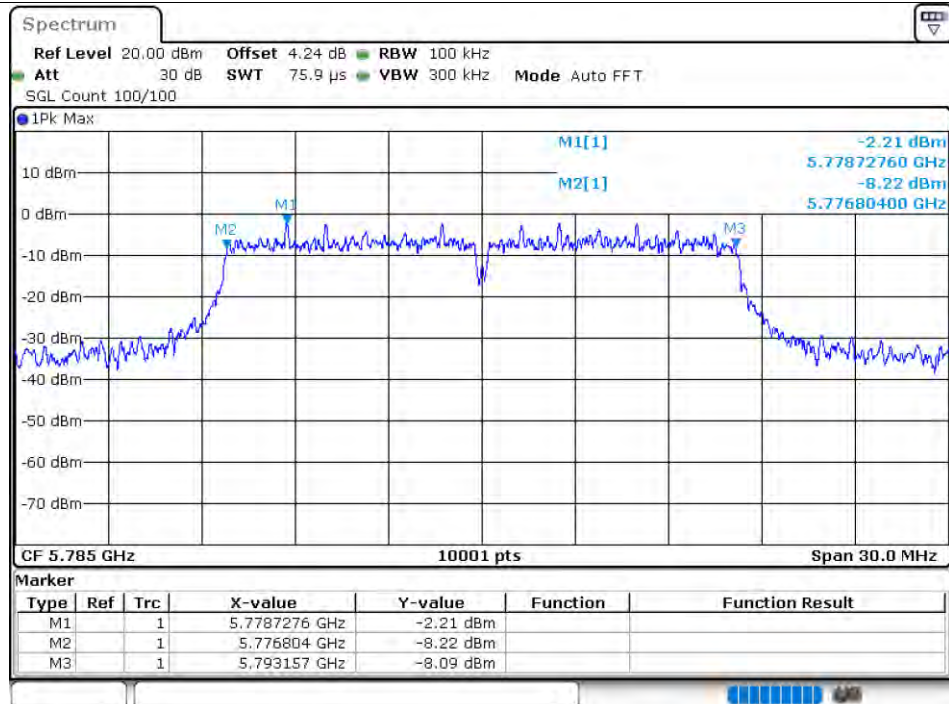
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.329	0.5	Pass
NVNT	a	5785	Ant1	16.353	0.5	Pass
NVNT	a	5825	Ant1	16.314	0.5	Pass
NVNT	n20	5745	Ant1	17.688	0.5	Pass
NVNT	n20	5785	Ant1	17.568	0.5	Pass
NVNT	n20	5825	Ant1	17.277	0.5	Pass
NVNT	n40	5755	Ant1	35.454	0.5	Pass
NVNT	n40	5795	Ant1	35.388	0.5	Pass
NVNT	ac20	5745	Ant1	17.391	0.5	Pass
NVNT	ac20	5785	Ant1	17.274	0.5	Pass
NVNT	ac20	5825	Ant1	17.556	0.5	Pass
NVNT	ac40	5755	Ant1	34.668	0.5	Pass
NVNT	ac40	5795	Ant1	35.232	0.5	Pass
NVNT	ac80	5775	Ant1	75.36	0.5	Pass

Test Graphs

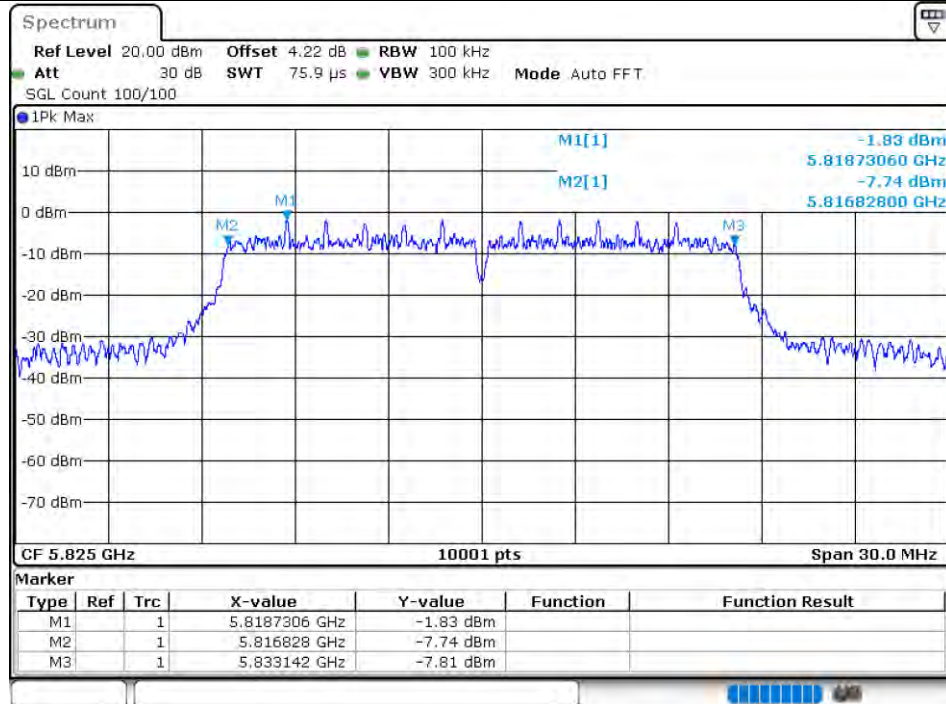
-6dB Bandwidth NVNT a 5745MHz Ant1



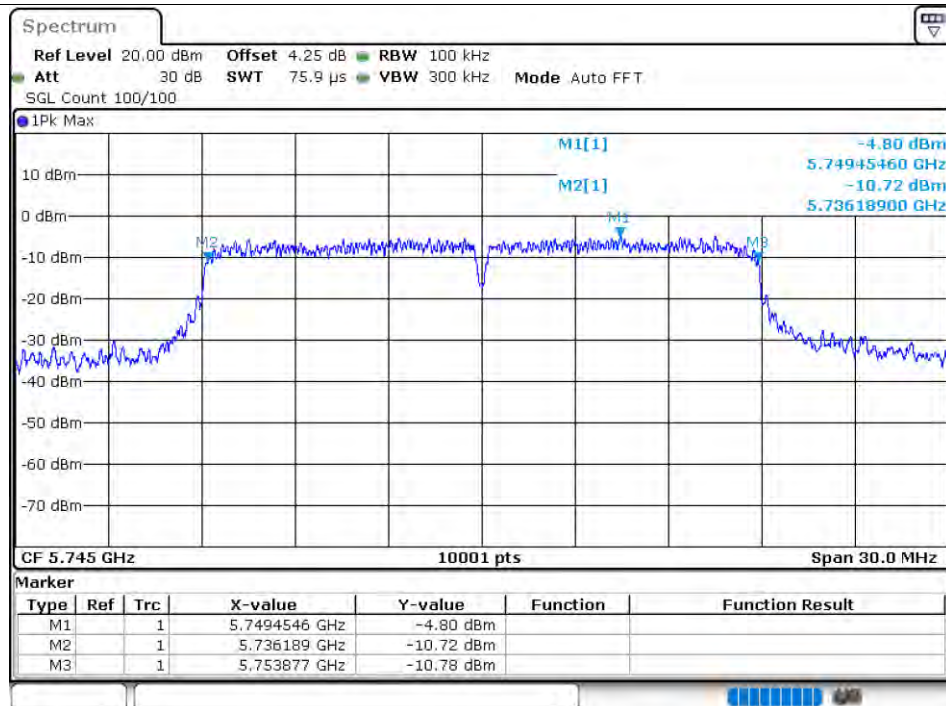
-6dB Bandwidth NVNT a 5785MHz Ant1



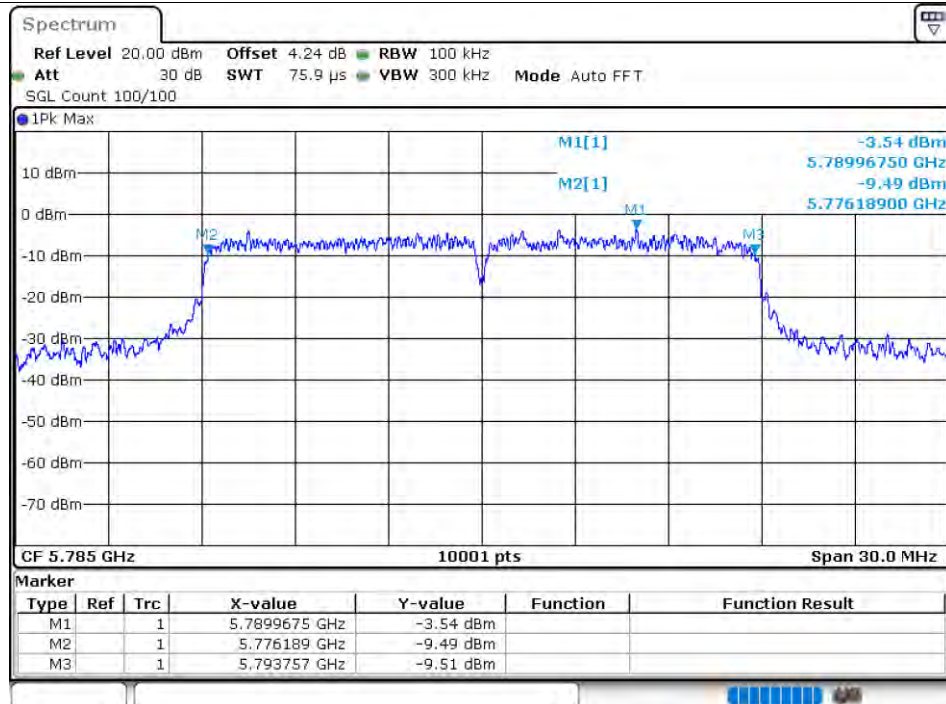
-6dB Bandwidth NVNT a 5825MHz Ant1



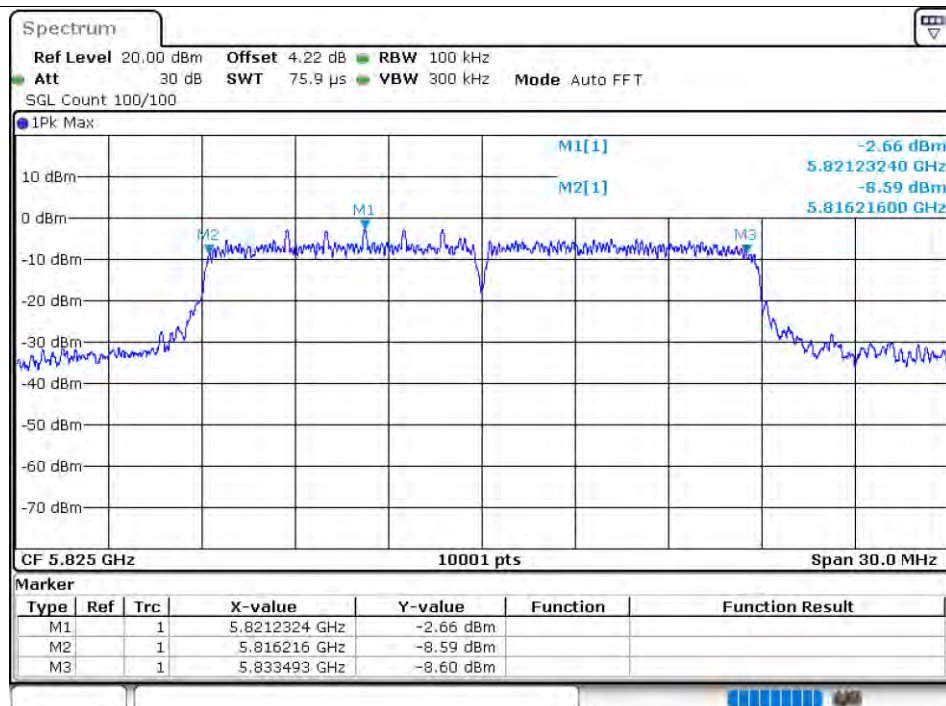
-6dB Bandwidth NVNT n20 5745MHz Ant1



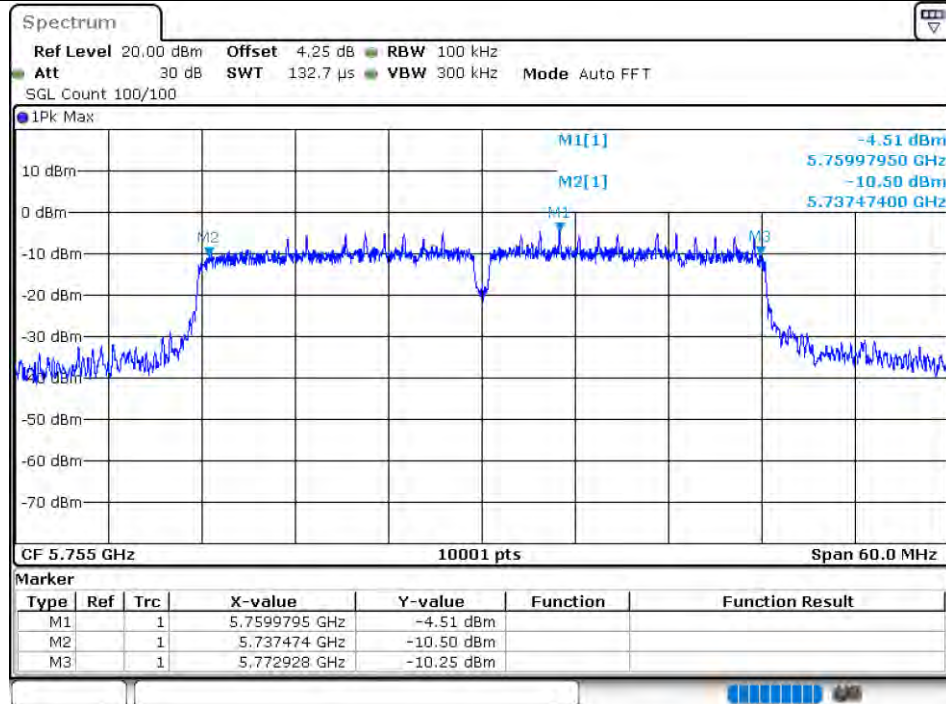
-6dB Bandwidth NVNT n20 5785MHz Ant1



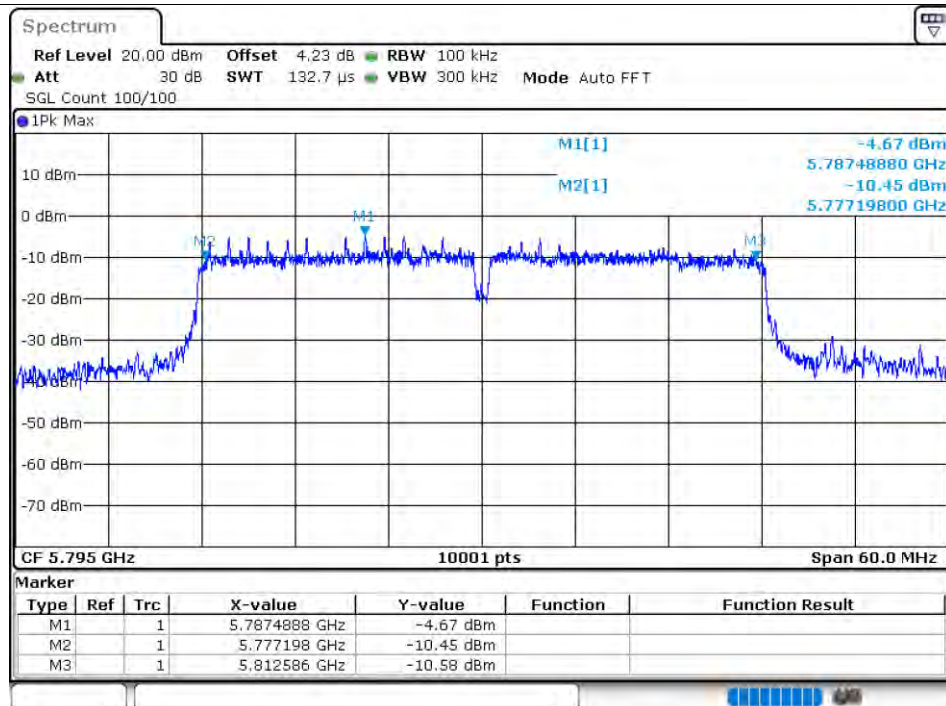
-6dB Bandwidth NVNT n20 5825MHz Ant1



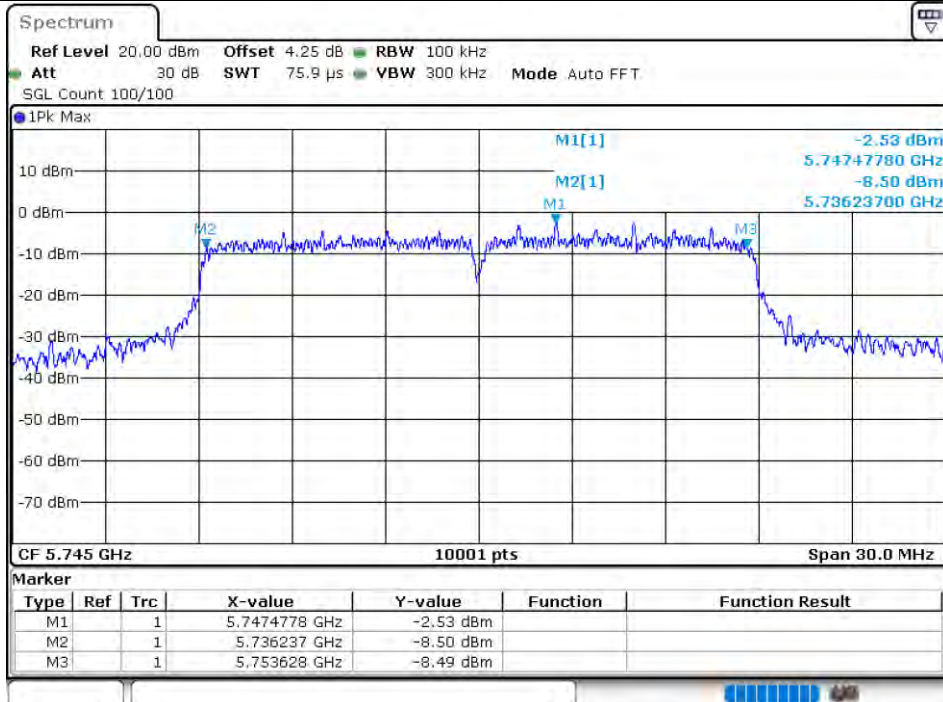
-6dB Bandwidth NVNT n40 5755MHz Ant1



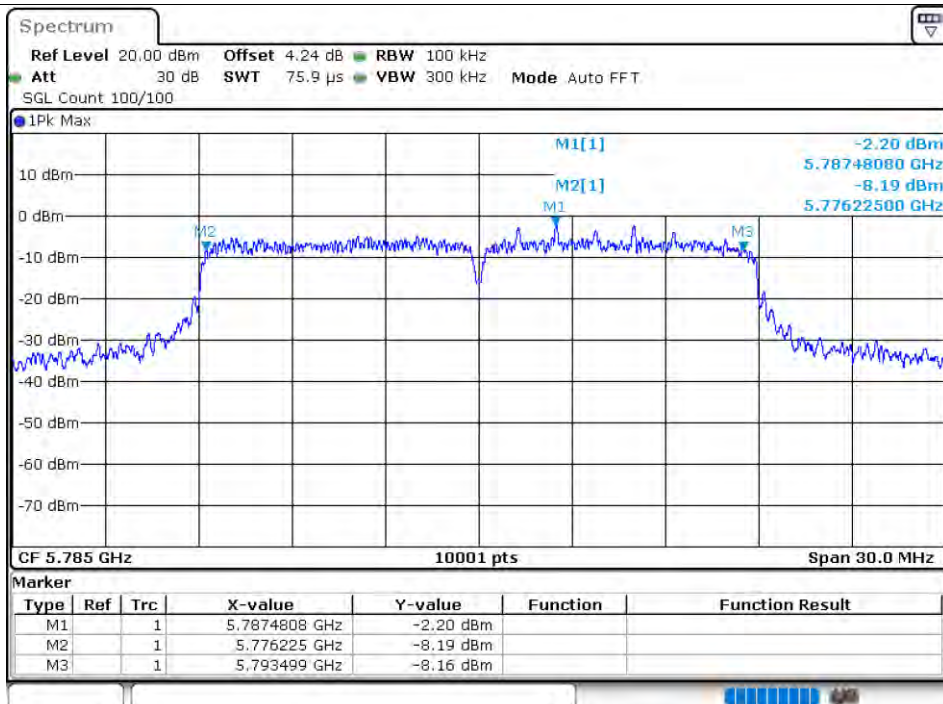
-6dB Bandwidth NVNT n40 5795MHz Ant1



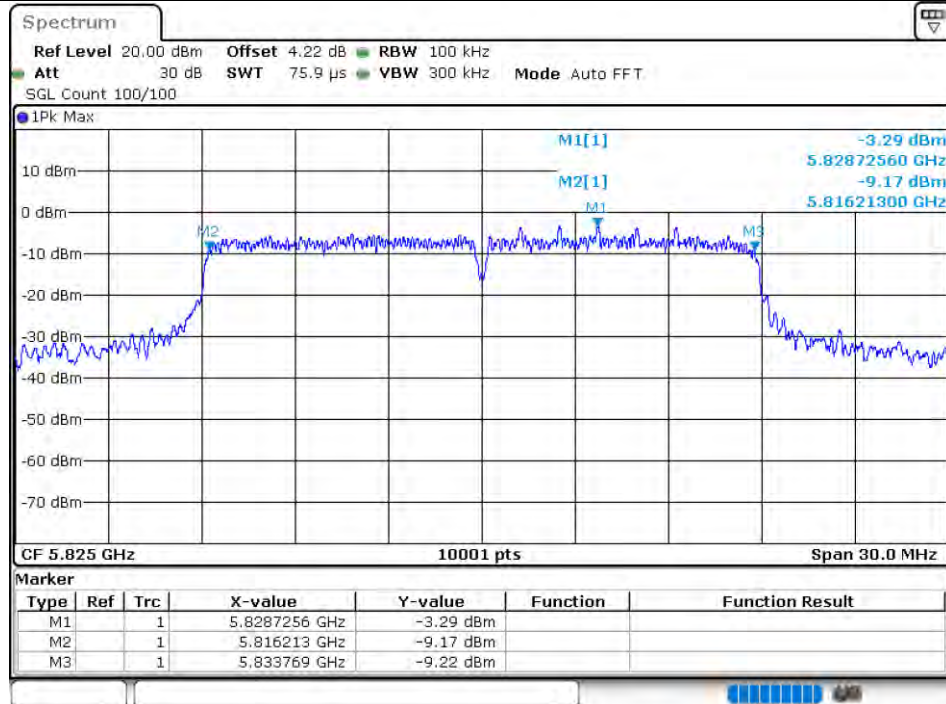
-6dB Bandwidth NVNT ac20 5745MHz Ant1



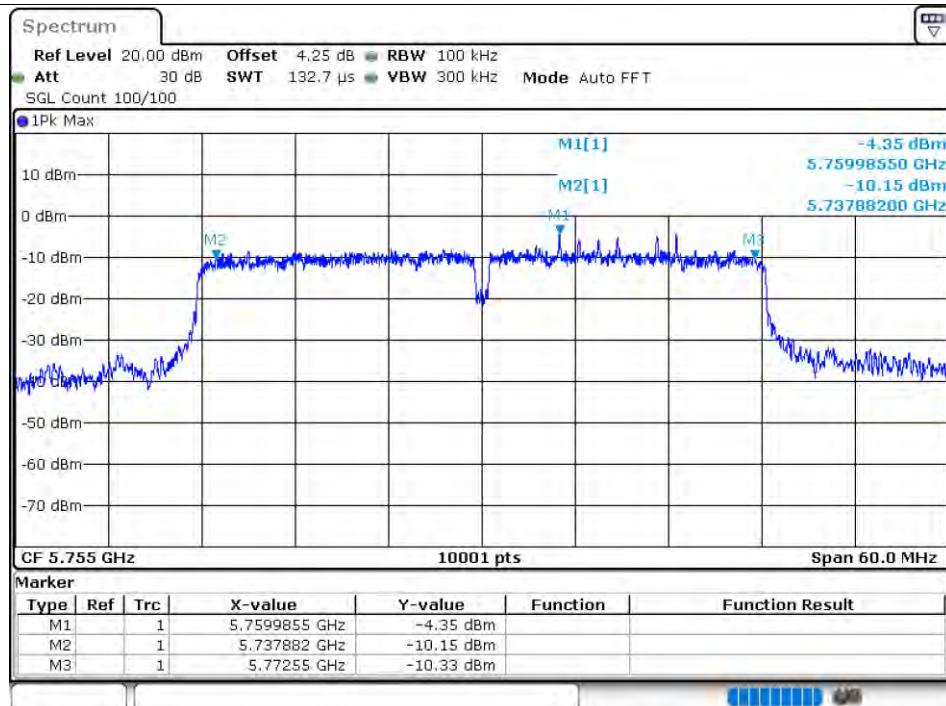
-6dB Bandwidth NVNT ac20 5785MHz Ant1



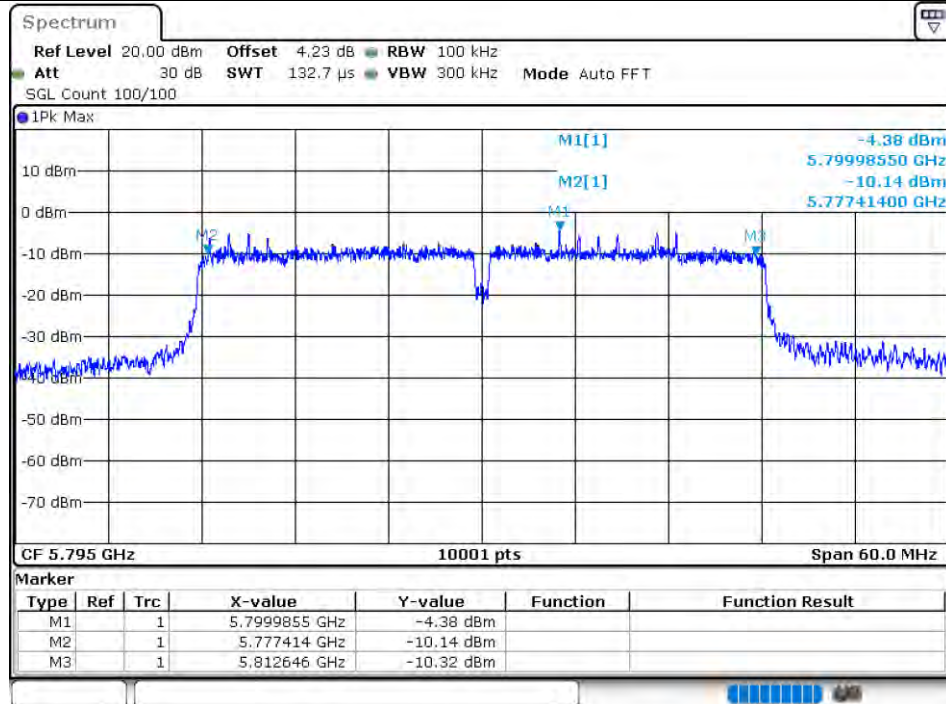
-6dB Bandwidth NVNT ac20 5825MHz Ant1



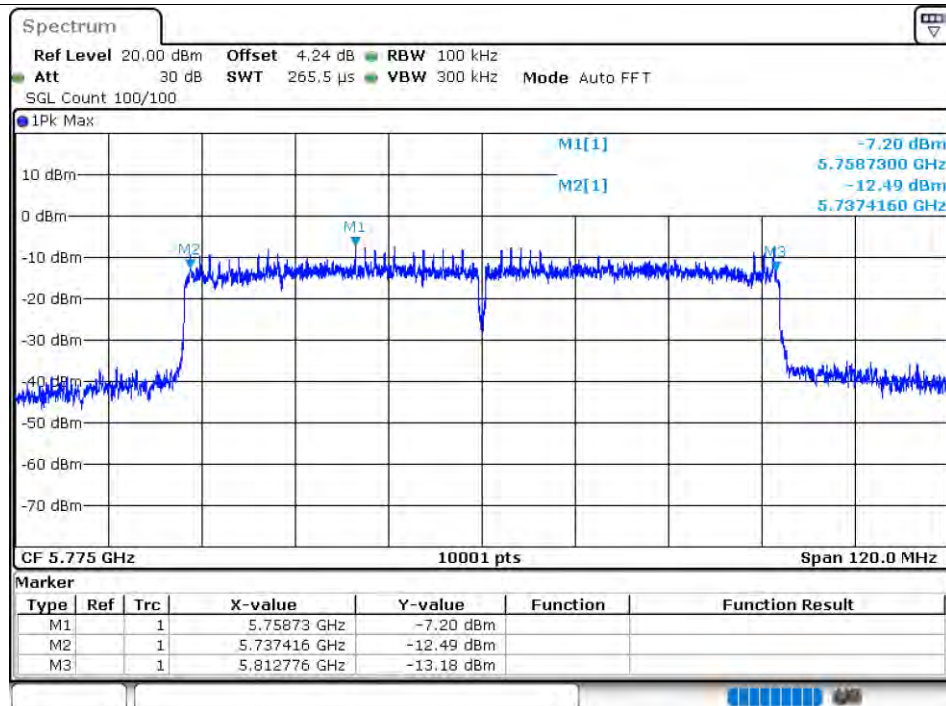
-6dB Bandwidth NVNT ac40 5755MHz Ant1



-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1



5.4 OCCUPIED CHANNEL BANDWIDTH

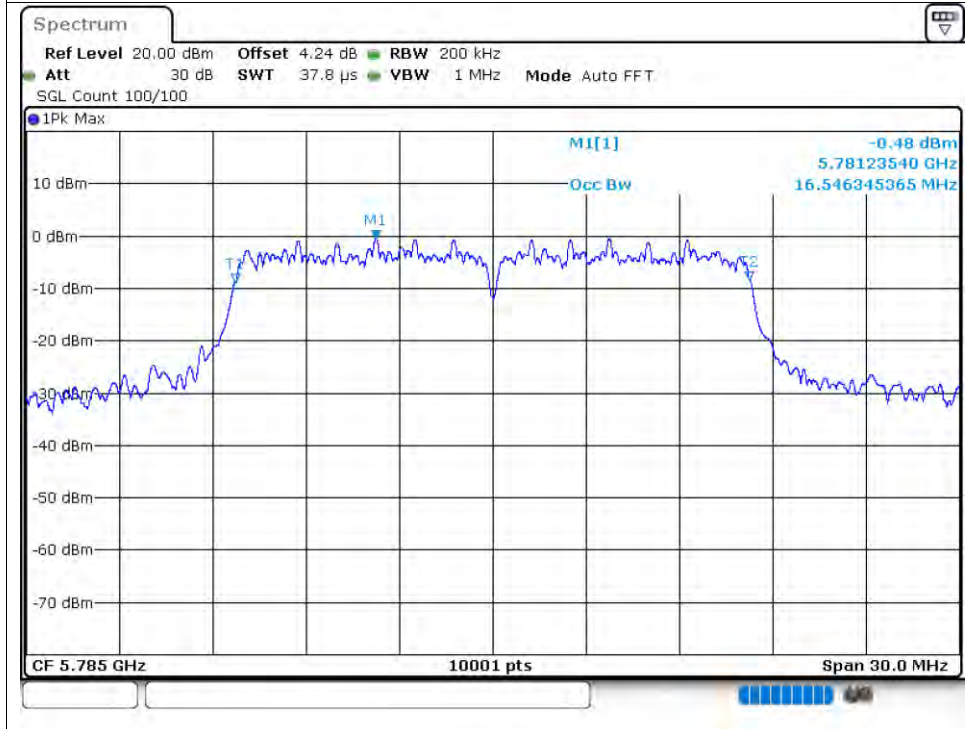
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.642
NVNT	a	5785	Ant1	16.546
NVNT	a	5825	Ant1	16.585
NVNT	n20	5745	Ant1	17.674
NVNT	n20	5785	Ant1	17.653
NVNT	n20	5825	Ant1	17.62
NVNT	n40	5755	Ant1	36.236
NVNT	n40	5795	Ant1	36.266
NVNT	ac20	5745	Ant1	17.713
NVNT	ac20	5785	Ant1	17.656
NVNT	ac20	5825	Ant1	17.62
NVNT	ac40	5755	Ant1	36.206
NVNT	ac40	5795	Ant1	36.278
NVNT	ac80	5775	Ant1	75.556

Test Graphs

OBW NVNT a 5745MHz Ant1



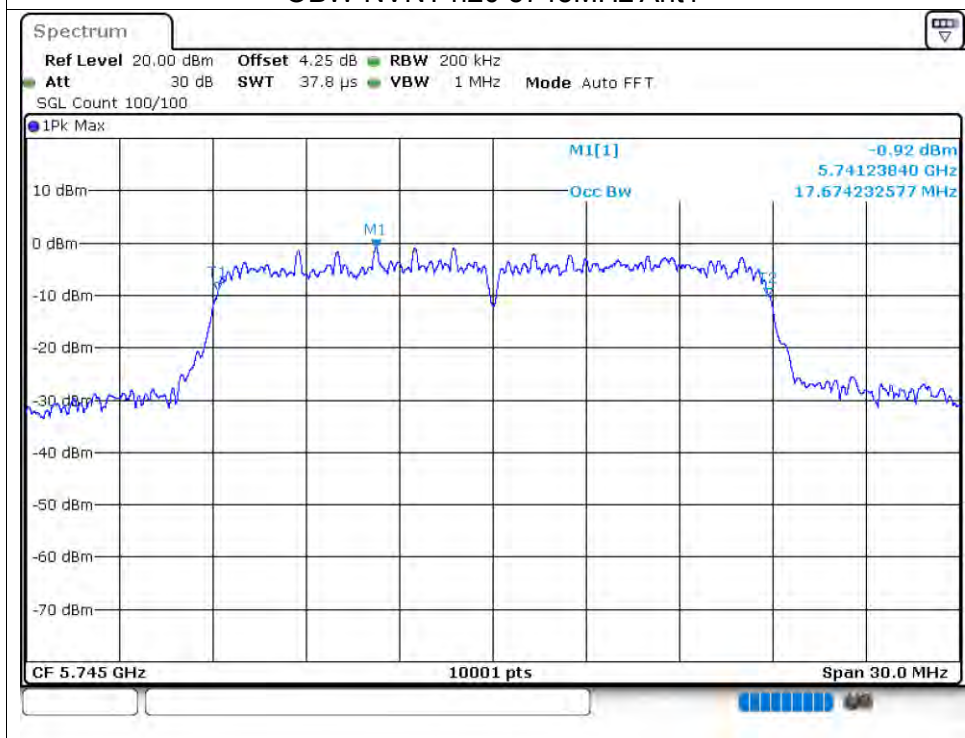
OBW NVNT a 5785MHz Ant1



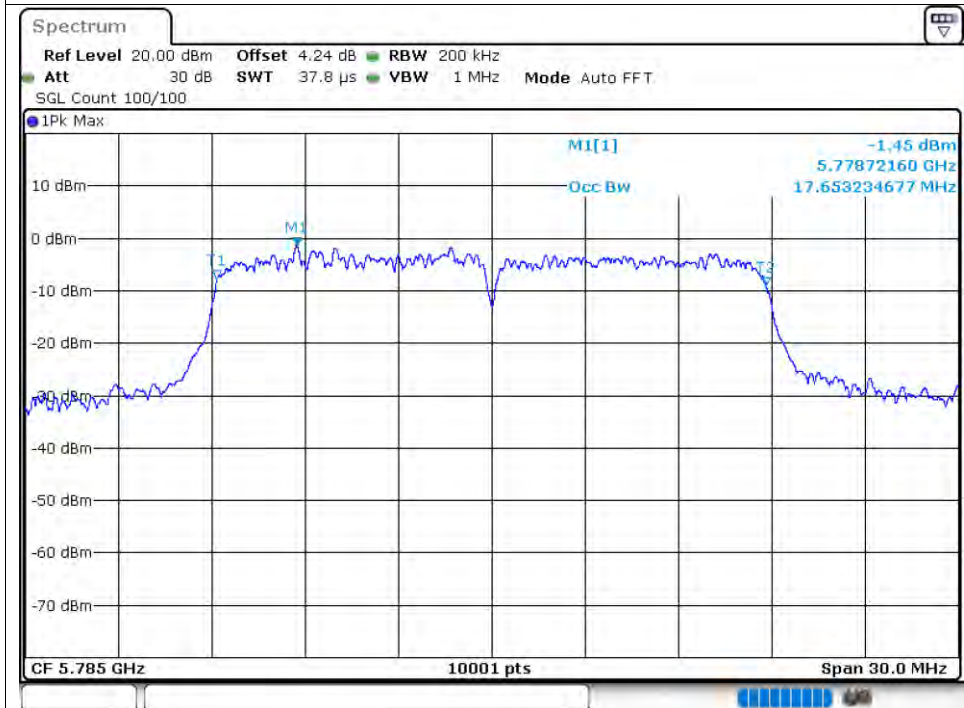
OBW NVNT a 5825MHz Ant1



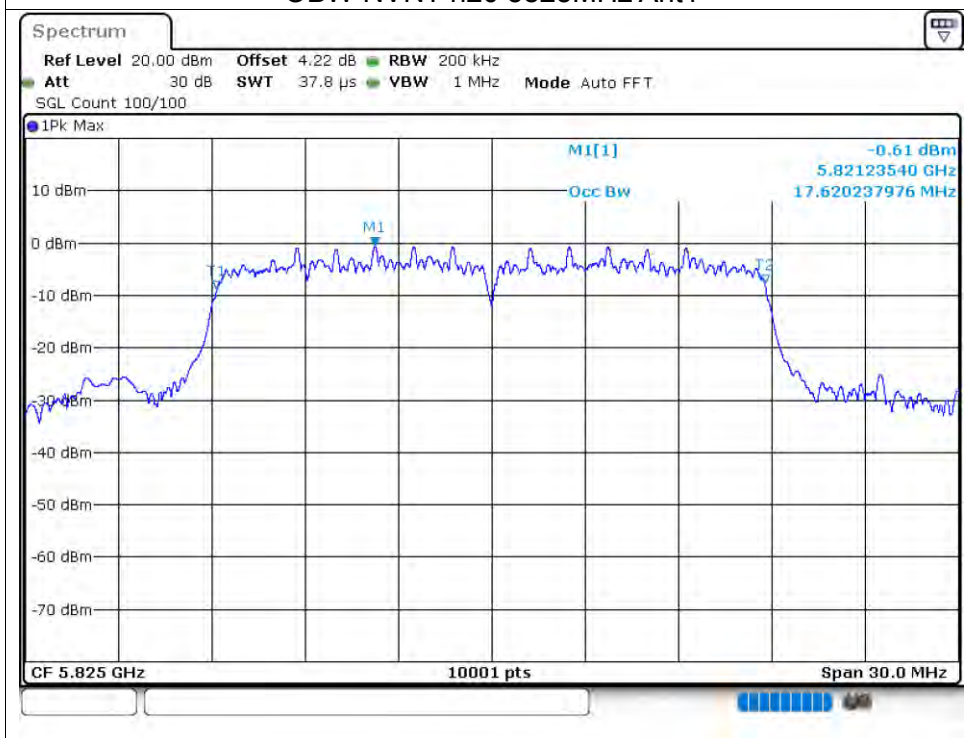
OBW NVNT n20 5745MHz Ant1



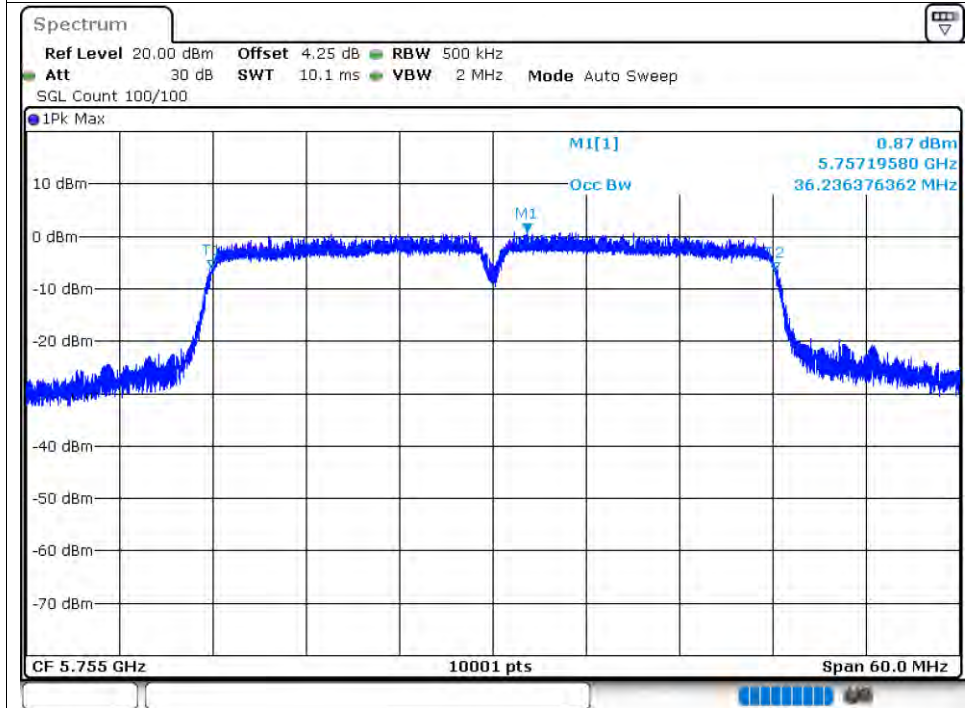
OBW NVNT n20 5785MHz Ant1



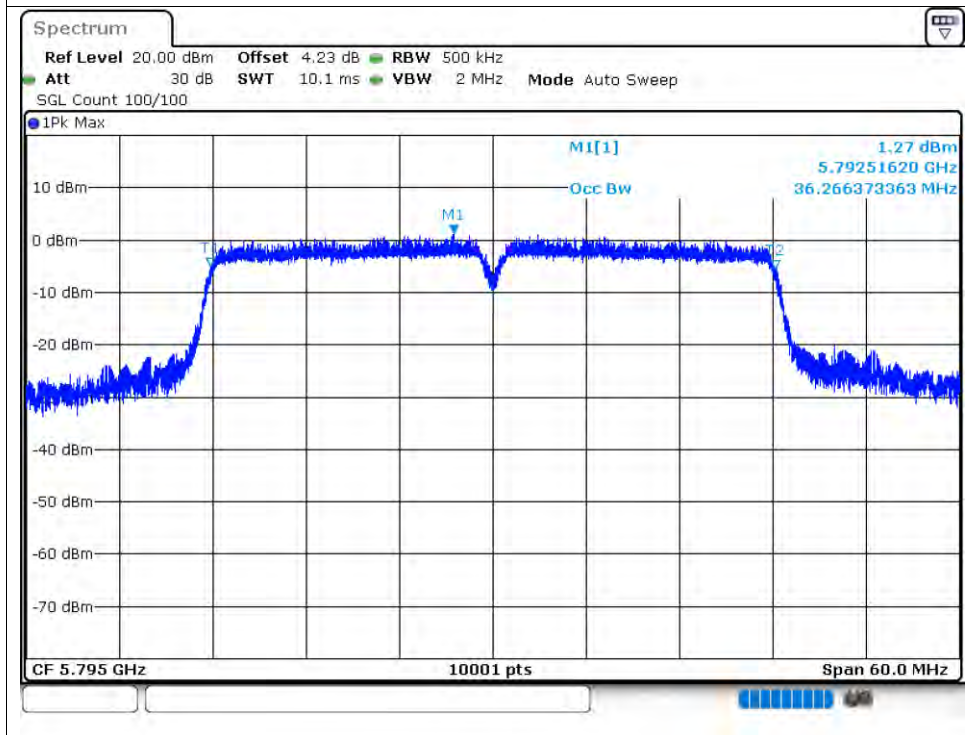
OBW NVNT n20 5825MHz Ant1



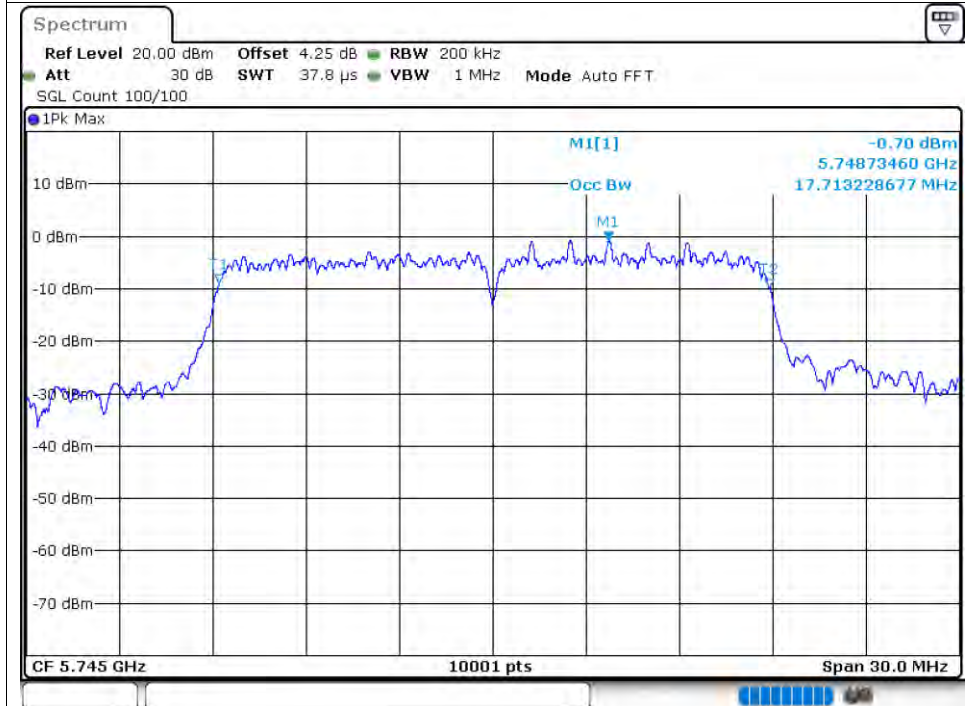
OBW NVNT n40 5755MHz Ant1



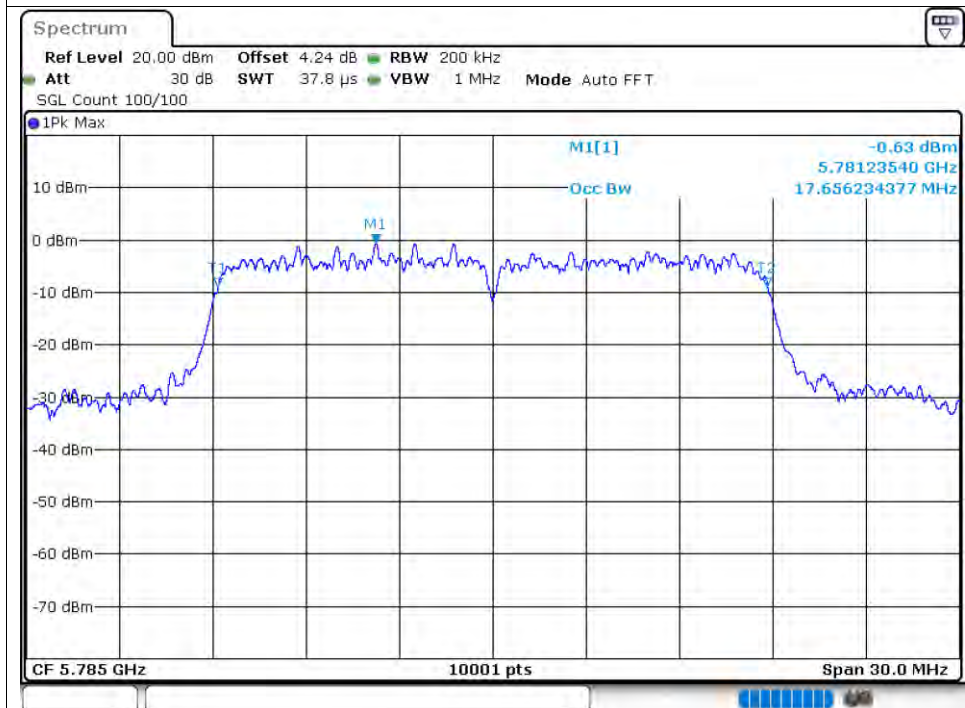
OBW NVNT n40 5795MHz Ant1



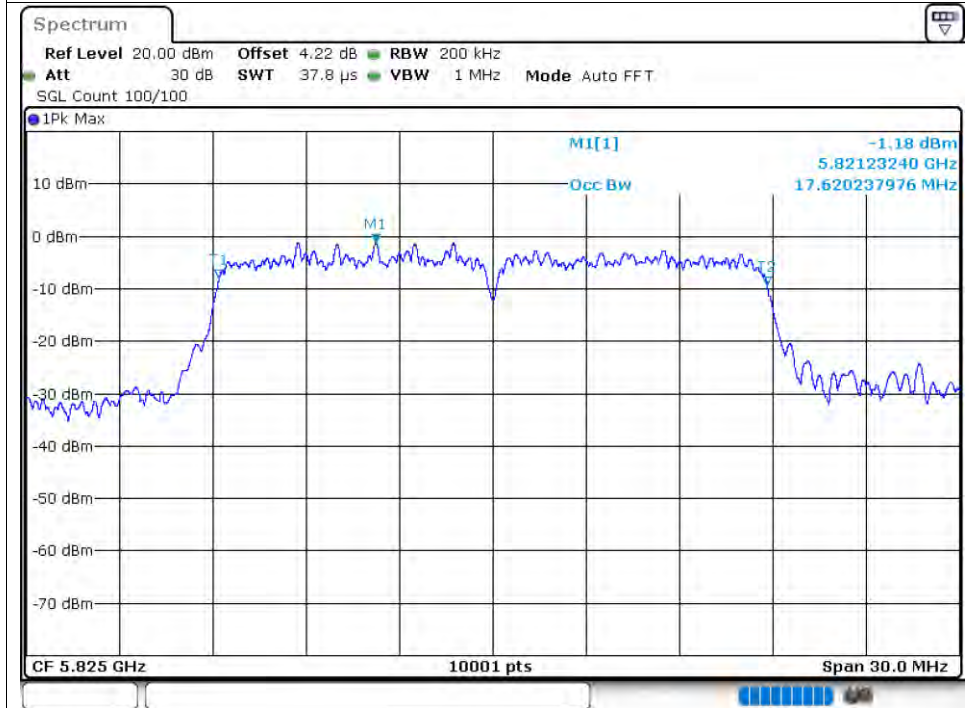
OBW NVNT ac20 5745MHz Ant1



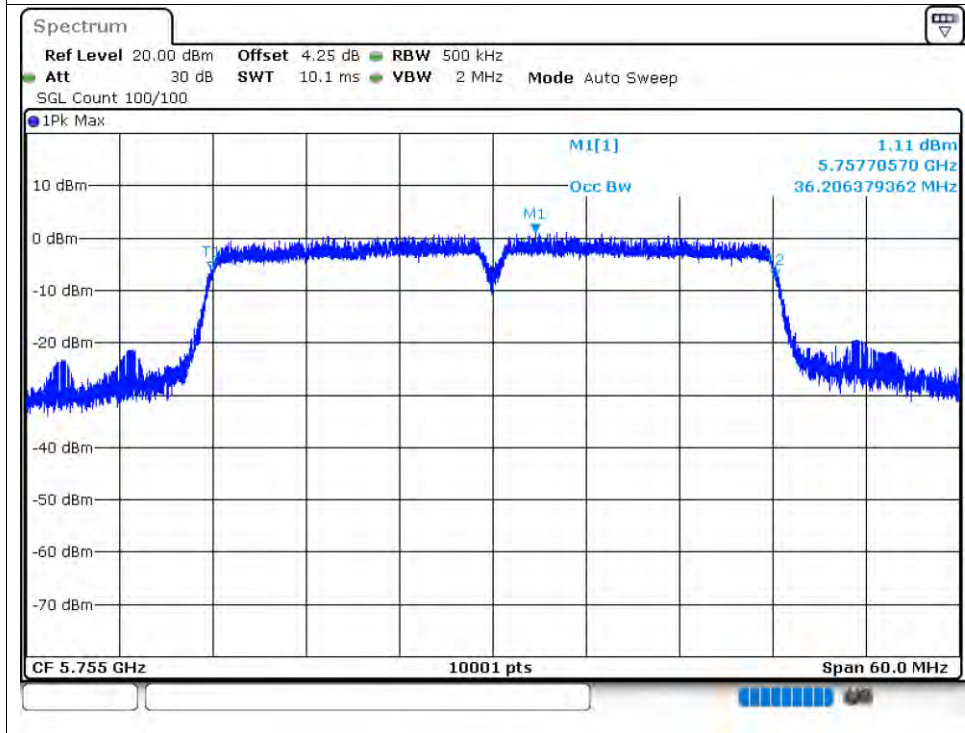
OBW NVNT ac20 5785MHz Ant1



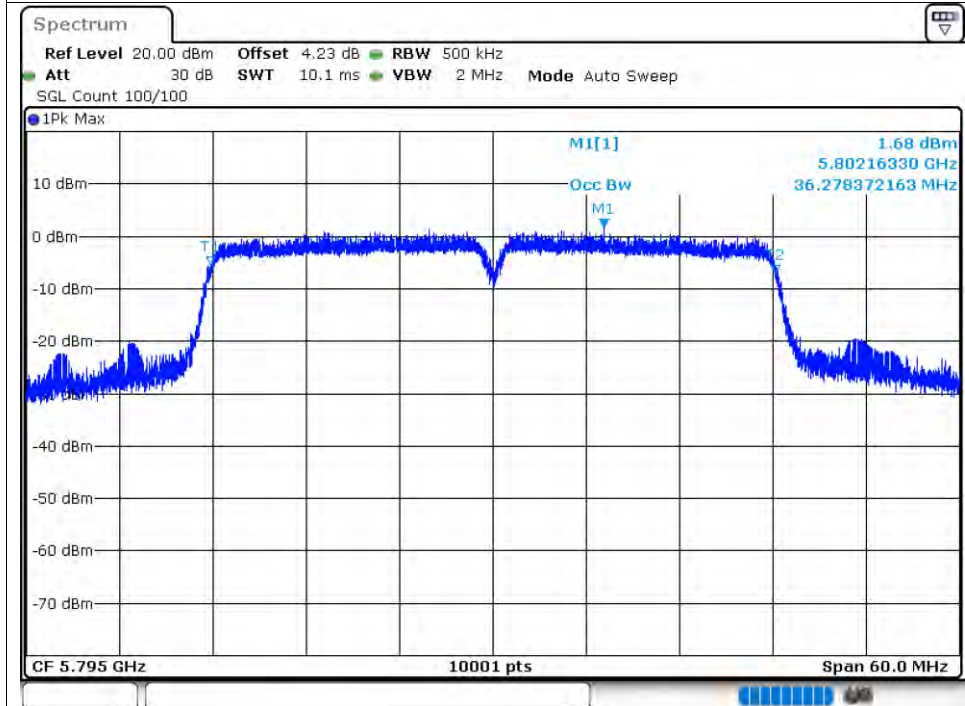
OBW NVNT ac20 5825MHz Ant1



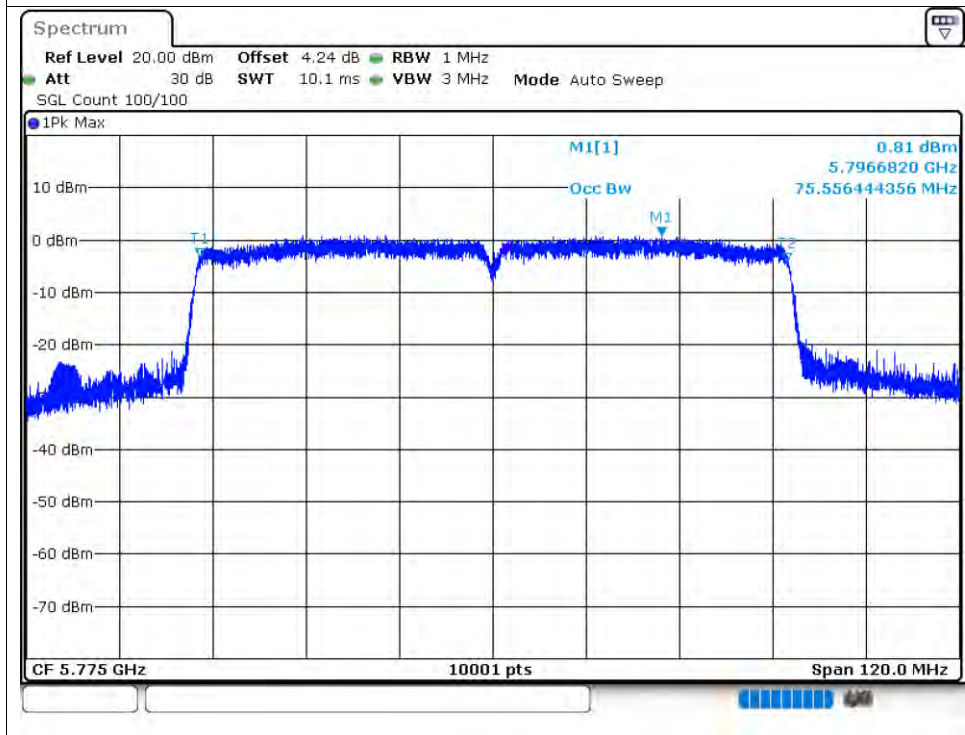
OBW NVNT ac40 5755MHz Ant1



OBW NVNT ac40 5795MHz Ant1



OBW NVNT ac80 5775MHz Ant1

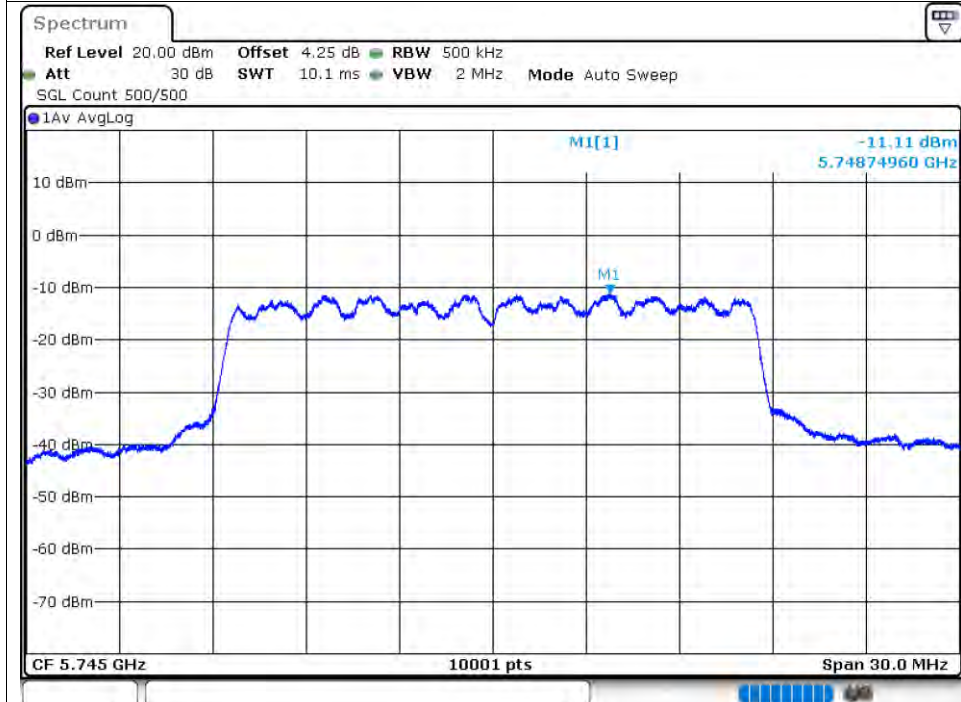


5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

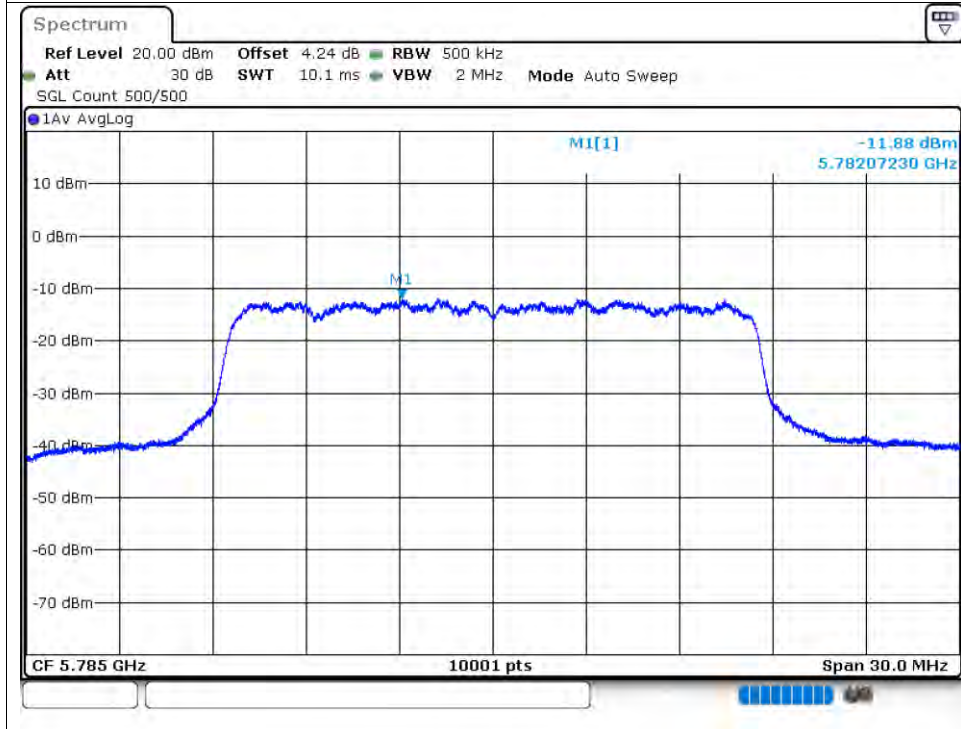
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-11.11	0.53	-10.58	30	Pass
NVNT	a	5785	Ant1	-11.88	0.55	-11.33	30	Pass
NVNT	a	5825	Ant1	-11.53	0.5	-11.03	30	Pass
NVNT	n20	5745	Ant1	-12.07	0.6	-11.47	30	Pass
NVNT	n20	5785	Ant1	-11.08	0.65	-10.43	30	Pass
NVNT	n20	5825	Ant1	-12.01	0.6	-11.41	30	Pass
NVNT	n40	5755	Ant1	-11.43	0.21	-11.22	30	Pass
NVNT	n40	5795	Ant1	-19.6	1.22	-18.38	30	Pass
NVNT	ac20	5745	Ant1	-11.13	0.59	-10.54	30	Pass
NVNT	ac20	5785	Ant1	-7.32	0.11	-7.21	30	Pass
NVNT	ac20	5825	Ant1	-7.99	0.12	-7.87	30	Pass
NVNT	ac40	5755	Ant1	-19.35	1.13	-18.22	30	Pass
NVNT	ac40	5795	Ant1	-11.62	0.21	-11.41	30	Pass
NVNT	ac80	5775	Ant1	-26.45	2	-24.45	30	Pass

Test Graphs

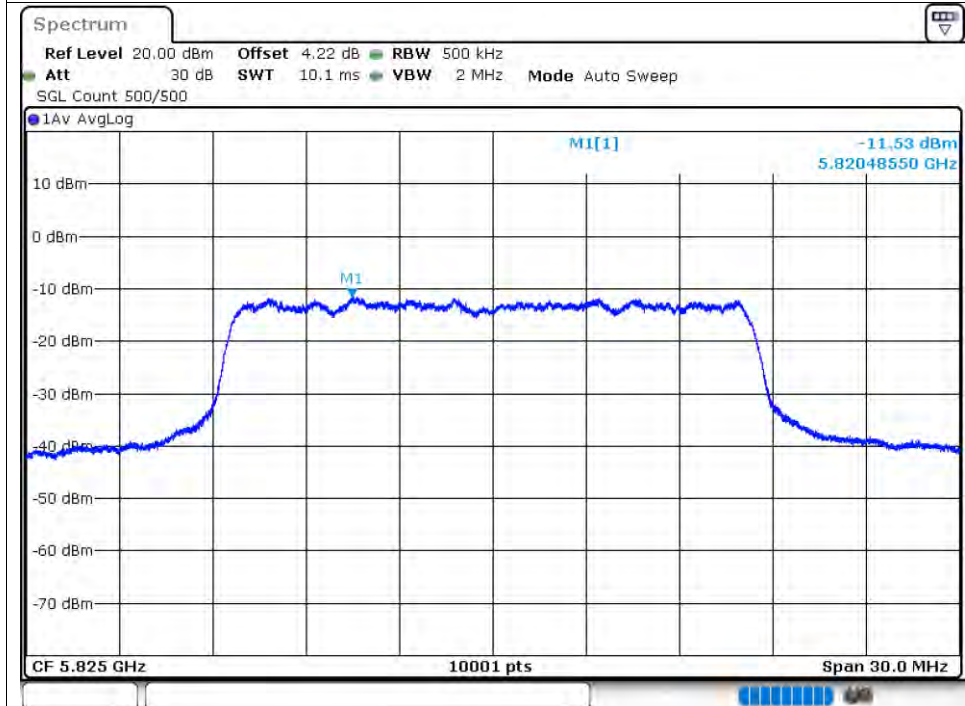
PSD NVNT a 5745MHz Ant1



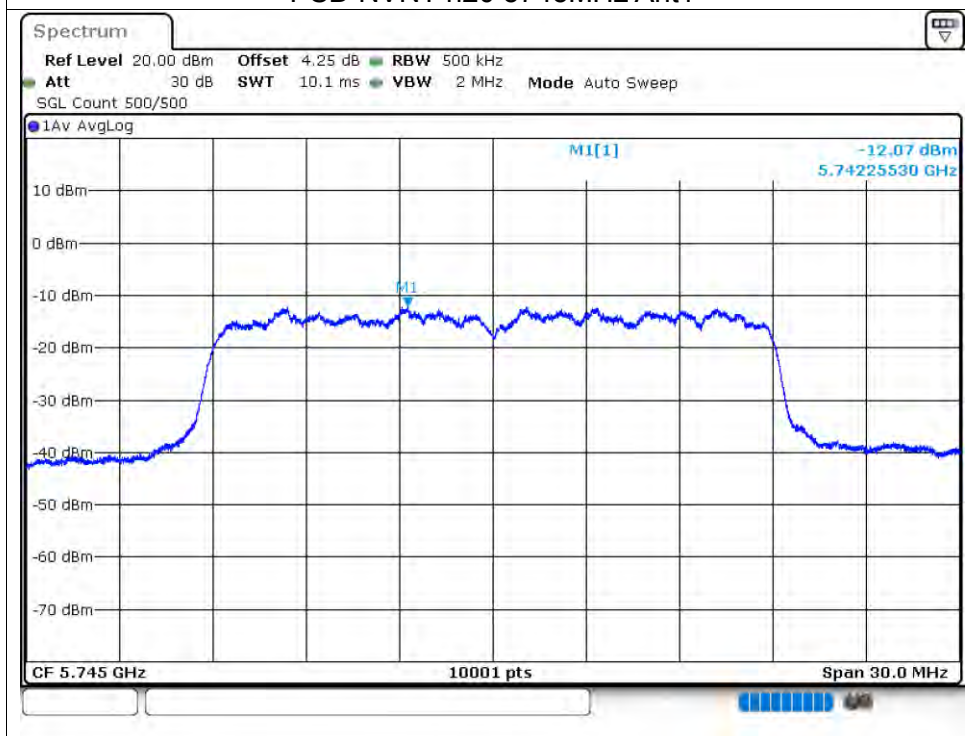
PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



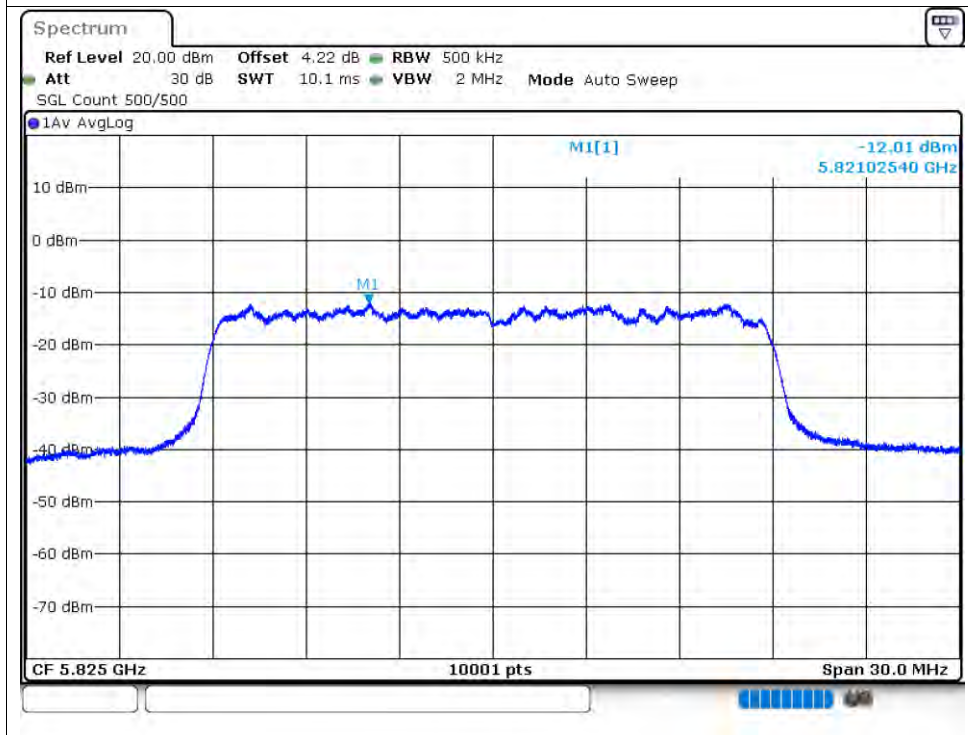
PSD NVNT n20 5745MHz Ant1



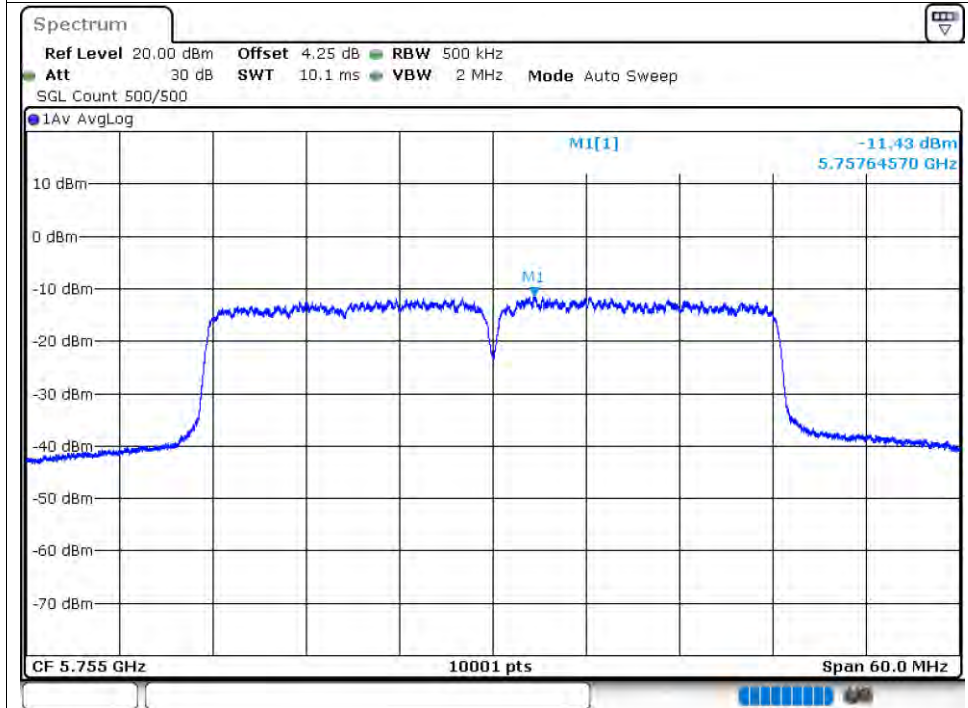
PSD NVNT n20 5785MHz Ant1



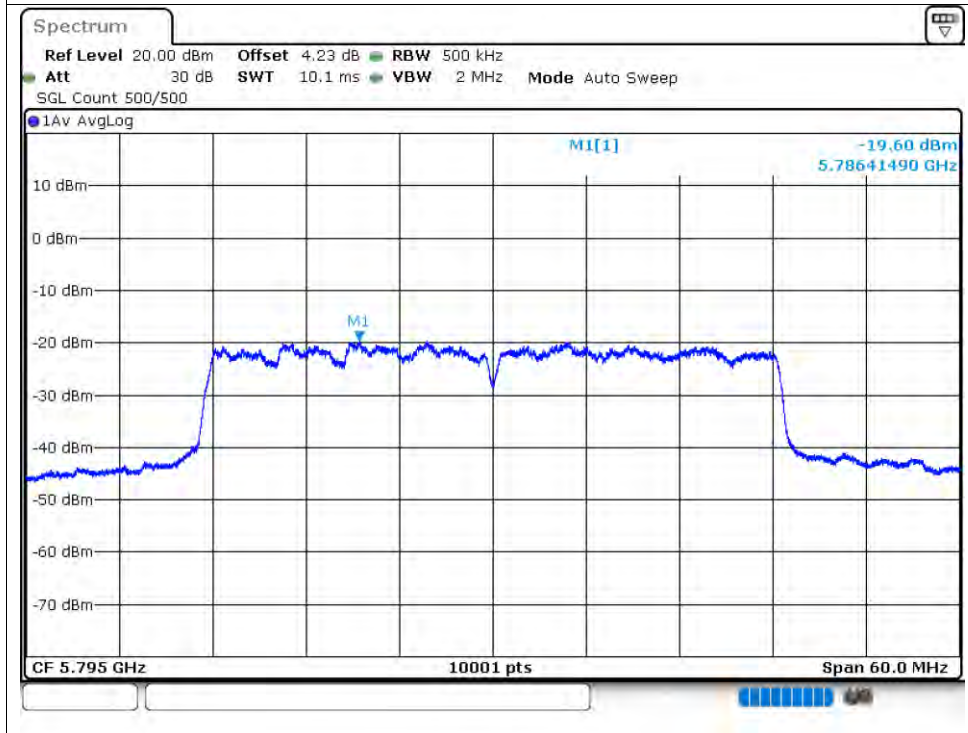
PSD NVNT n20 5825MHz Ant1



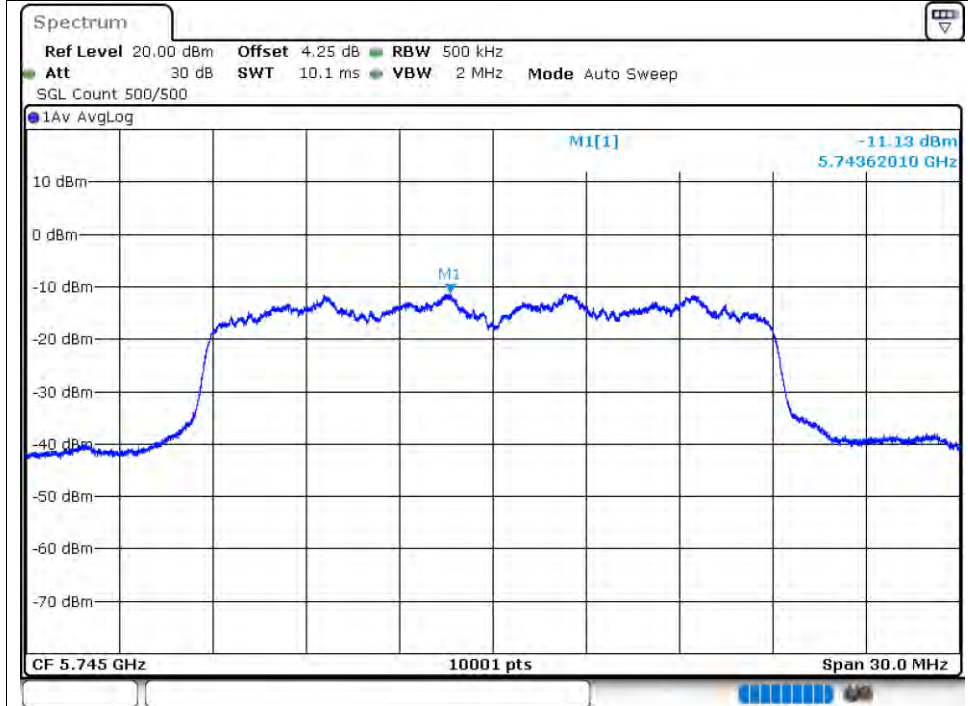
PSD NVNT n40 5755MHz Ant1



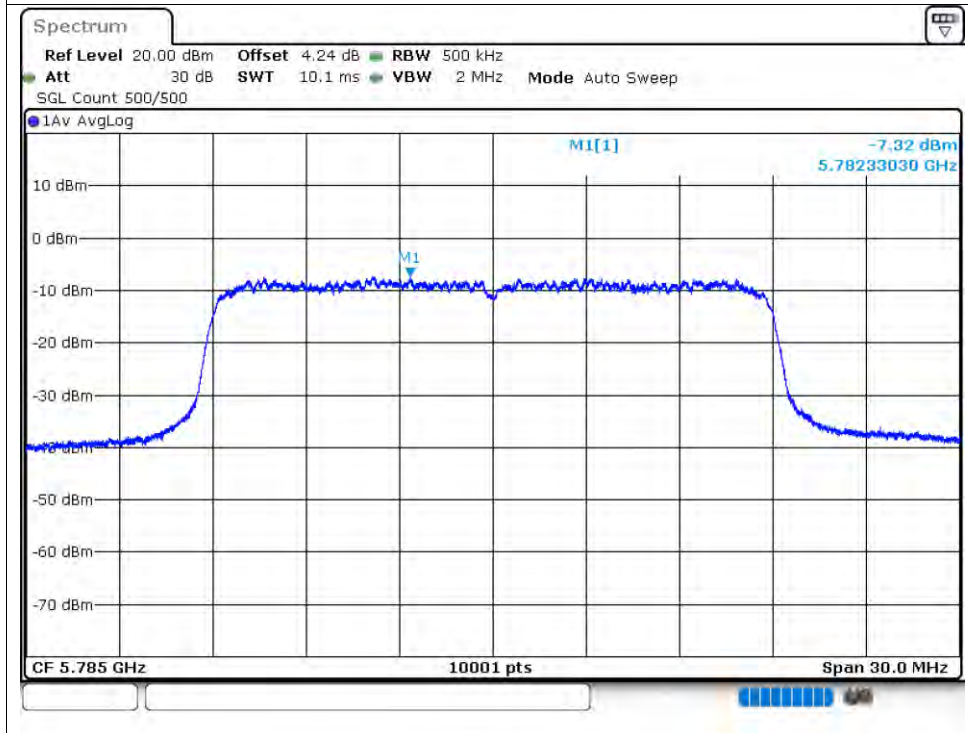
PSD NVNT n40 5795MHz Ant1



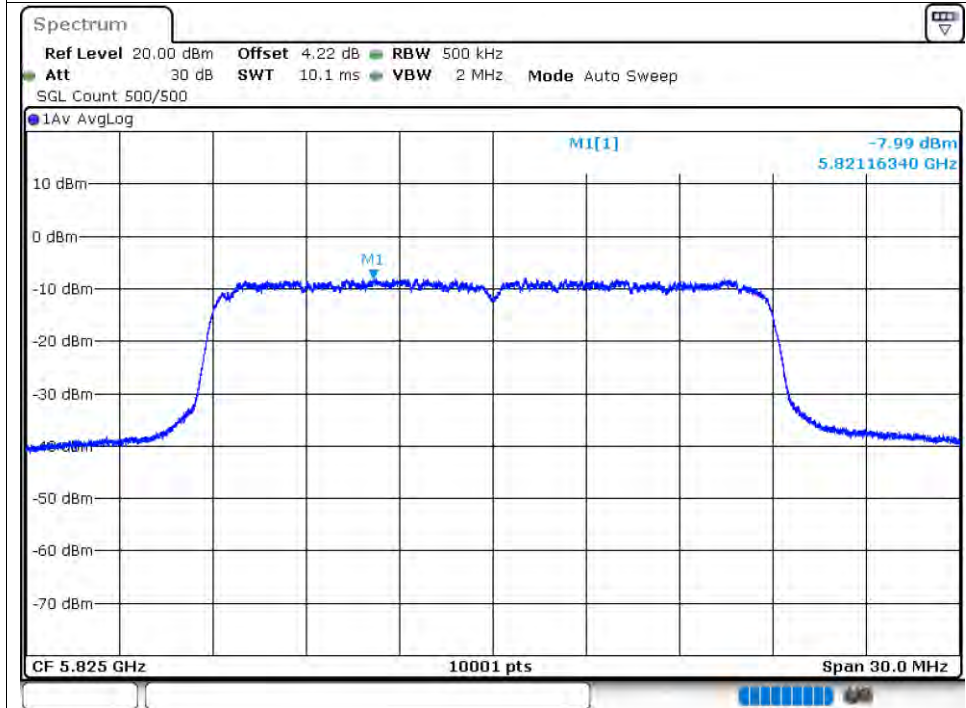
PSD NVNT ac20 5745MHz Ant1



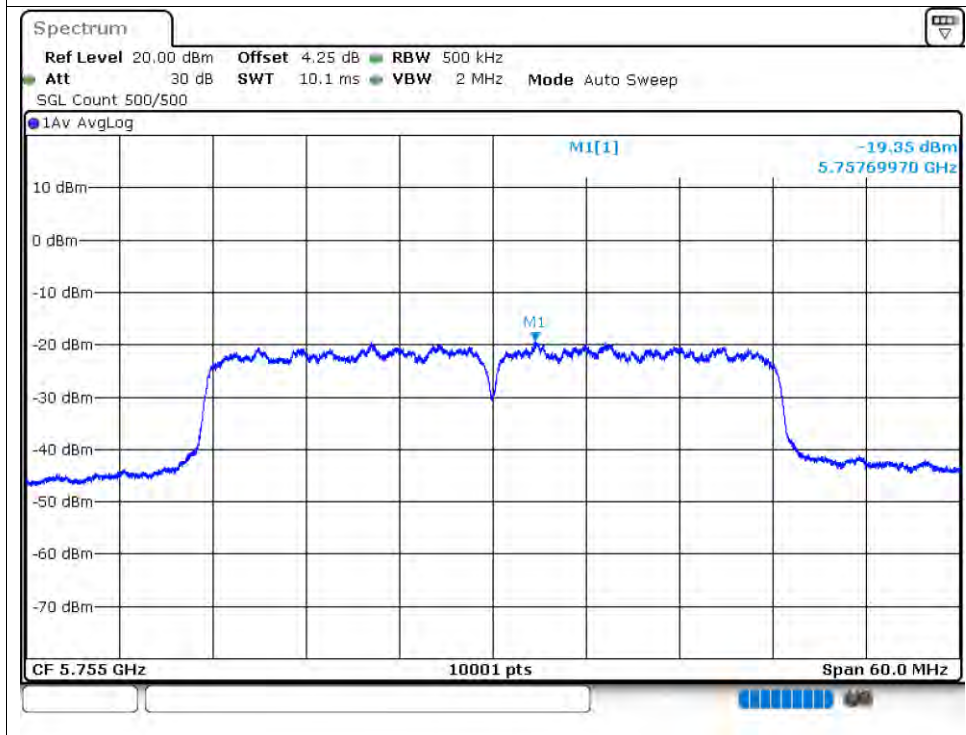
PSD NVNT ac20 5785MHz Ant1



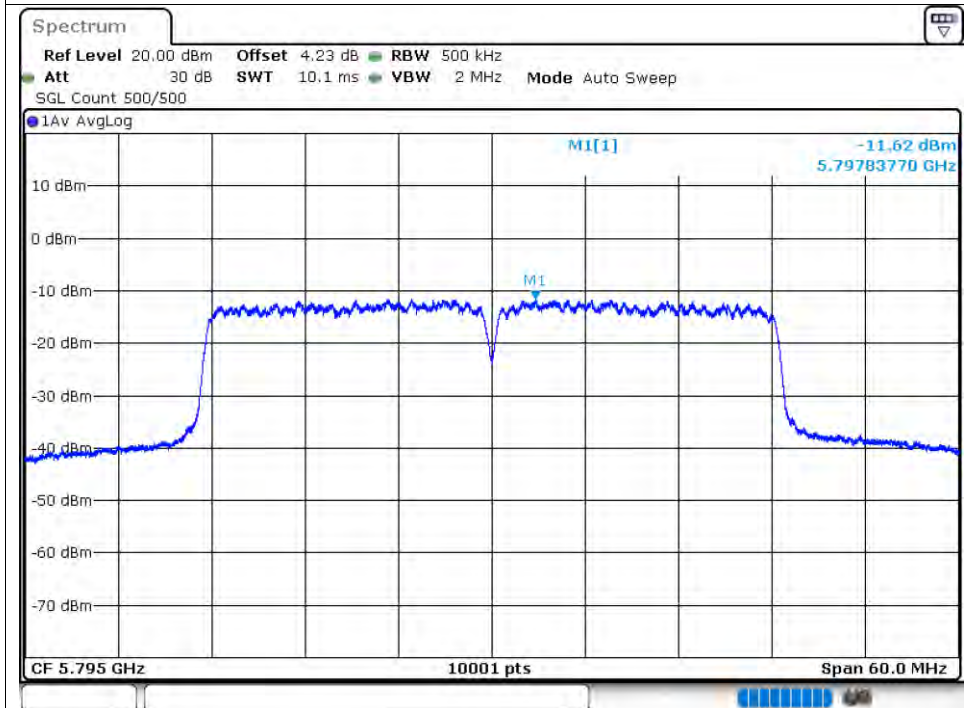
PSD NVNT ac20 5825MHz Ant1



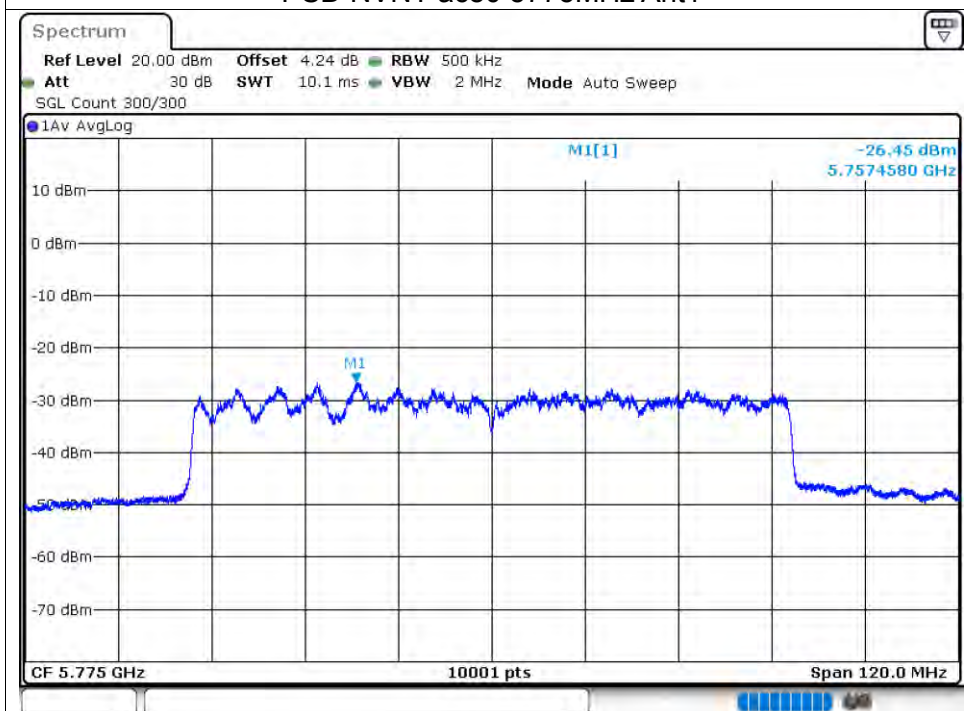
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5775MHz Ant1

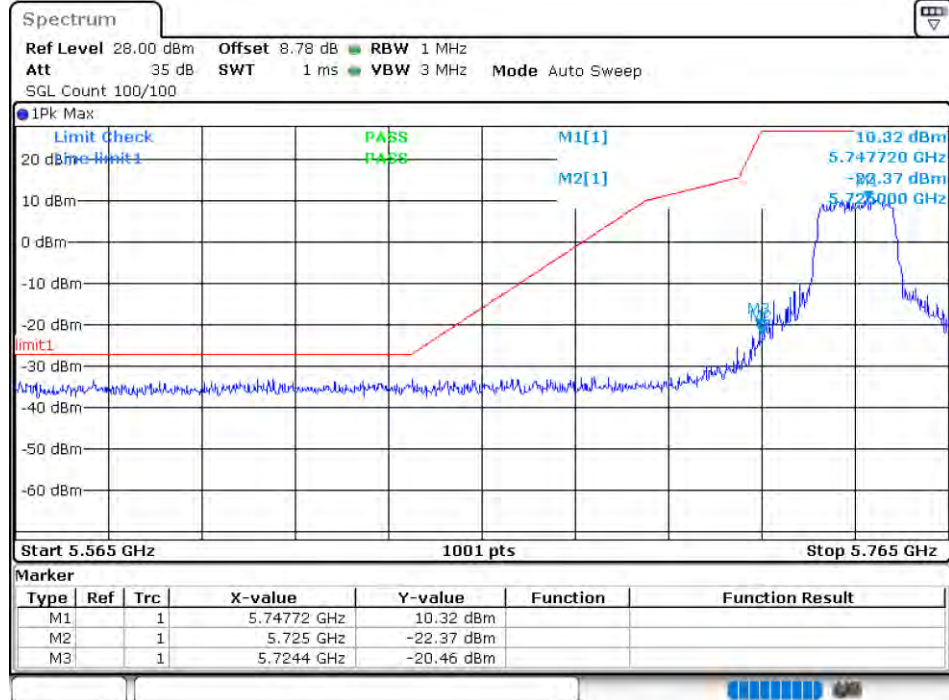


5.6 BAND EDGE

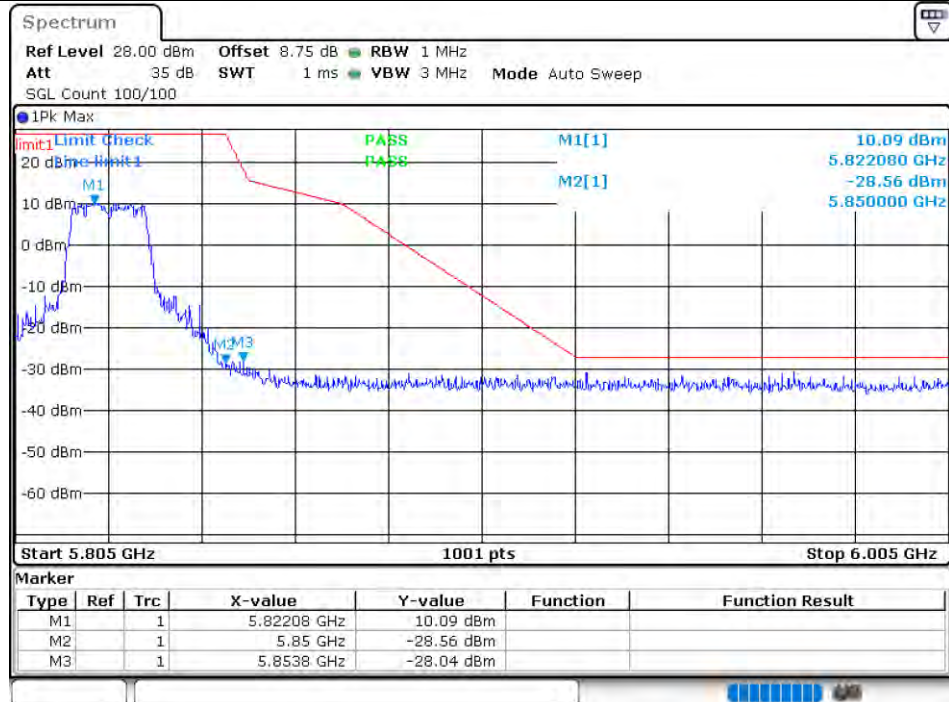
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-20.45	Pass
NVNT	a	5825	Ant1	-28.03	Pass
NVNT	n20	5745	Ant1	-18.3	Pass
NVNT	n20	5825	Ant1	-27.06	Pass
NVNT	n40	5755	Ant1	-19.8	Pass
NVNT	n40	5795	Ant1	-29.83	Pass
NVNT	ac20	5745	Ant1	-19.76	Pass
NVNT	ac20	5825	Ant1	-26.74	Pass
NVNT	ac40	5755	Ant1	-17.69	Pass
NVNT	ac40	5795	Ant1	-29.6	Pass
NVNT	ac80	5775	Ant1	-22.48	Pass
NVNT	ac80	5775	Ant1	-18.52	Pass

Test Graphs

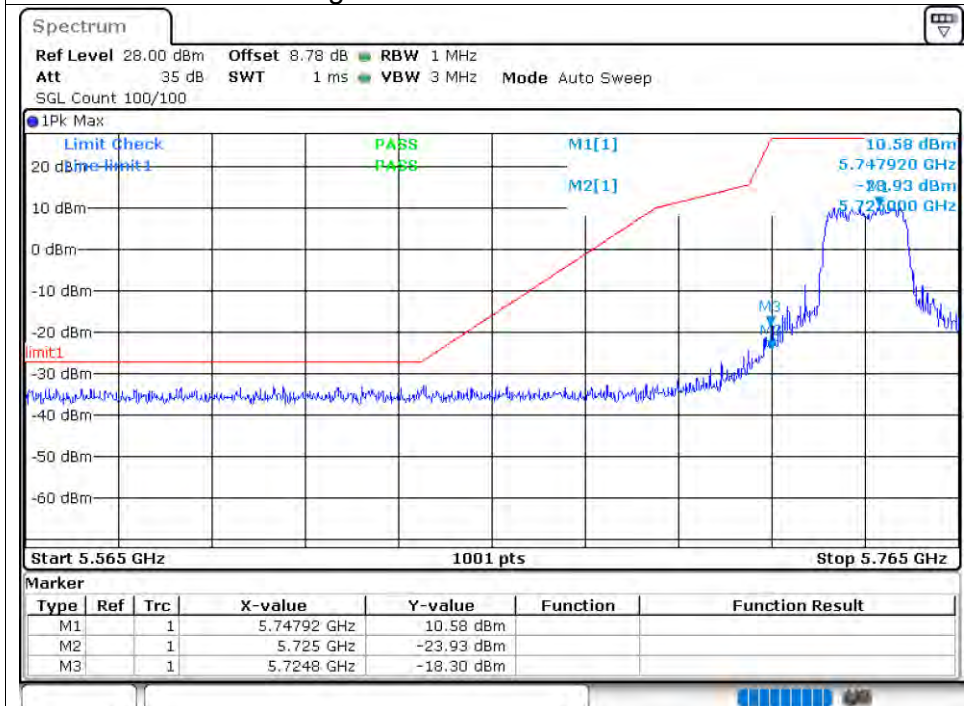
Band Edge NVNT a 5745MHz Low Ant1



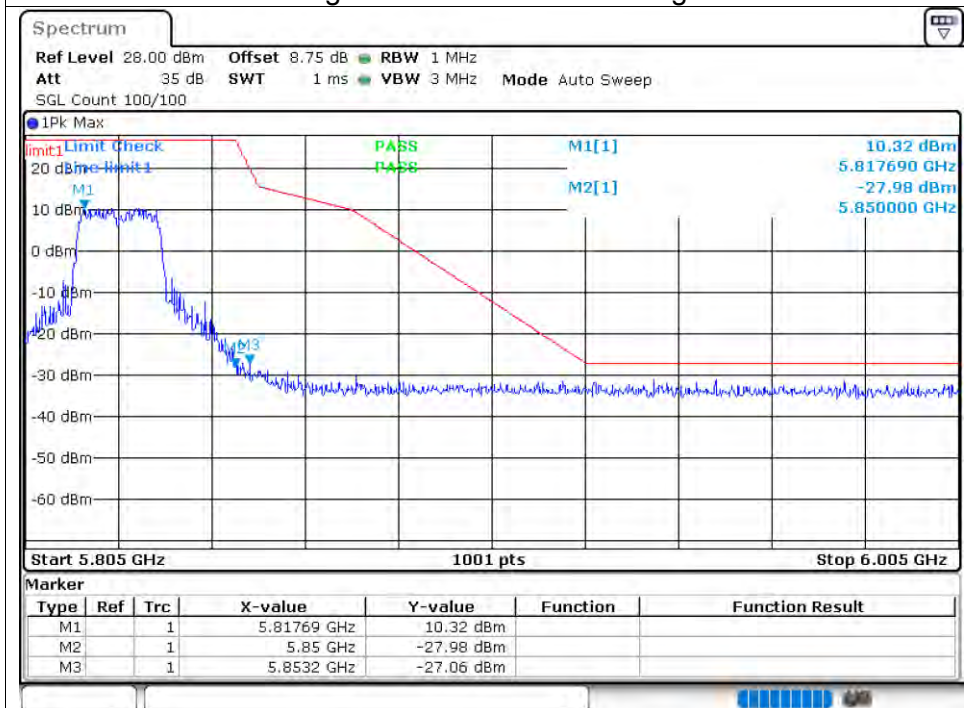
Band Edge NVNT a 5825MHz High Ant1



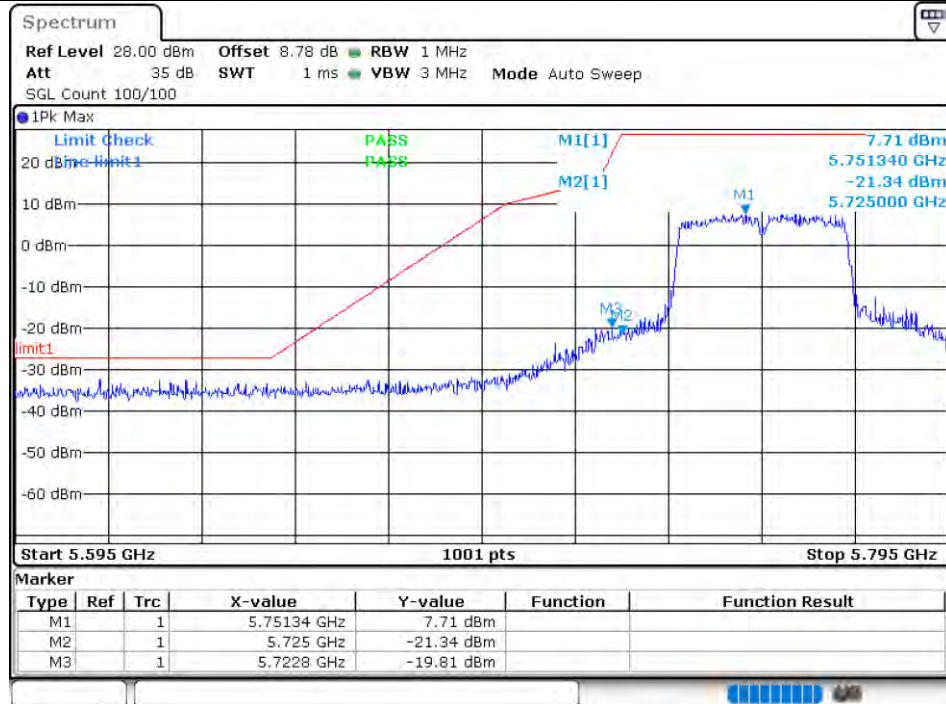
Band Edge NVNT n20 5745MHz Low Ant1



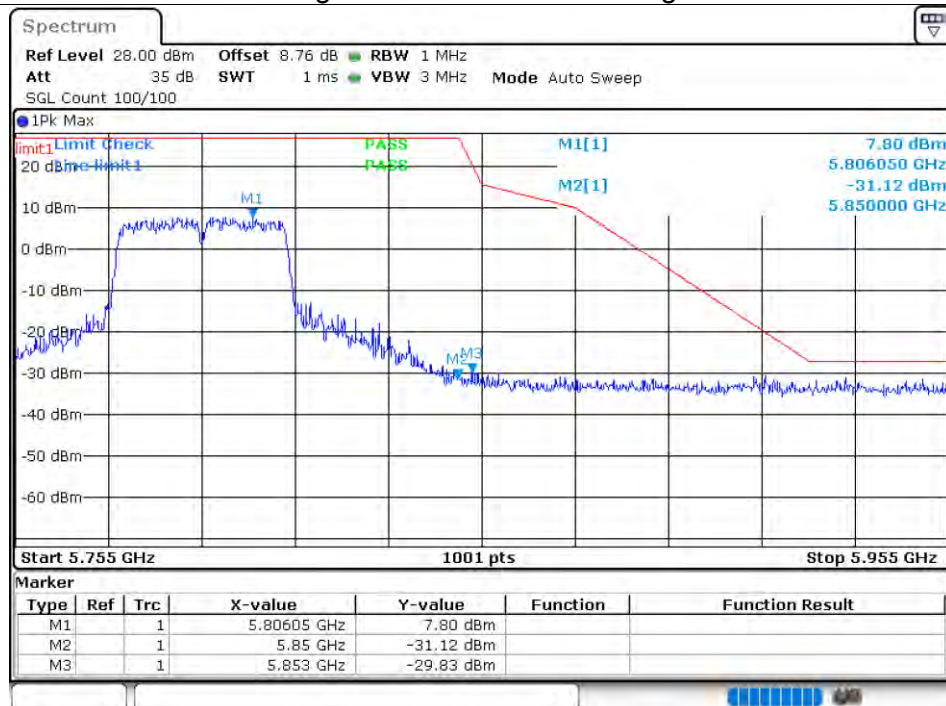
Band Edge NVNT n20 5825MHz High Ant1



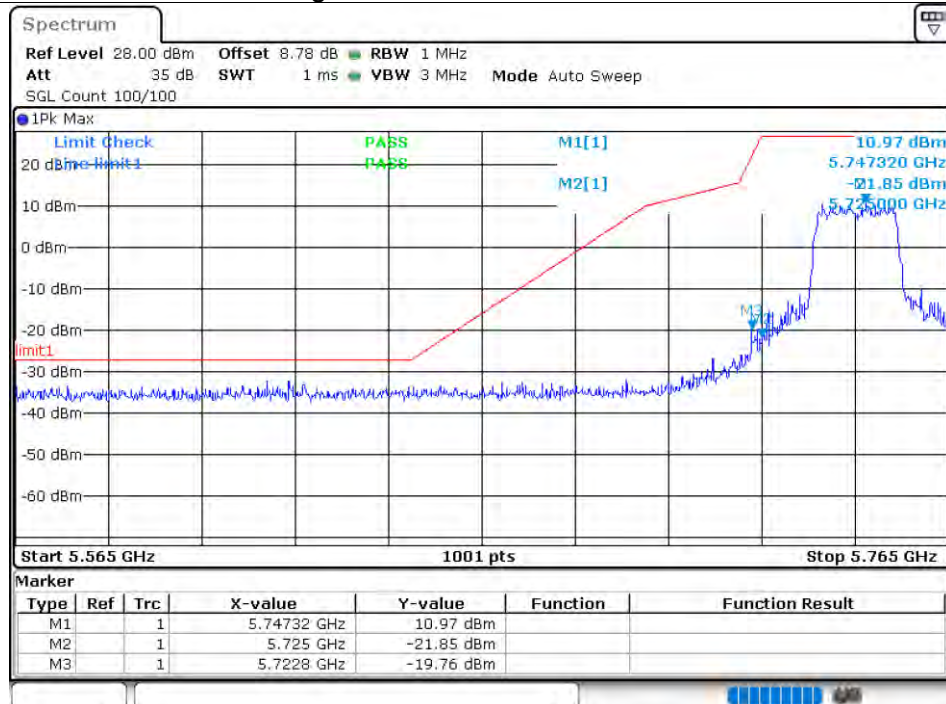
Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



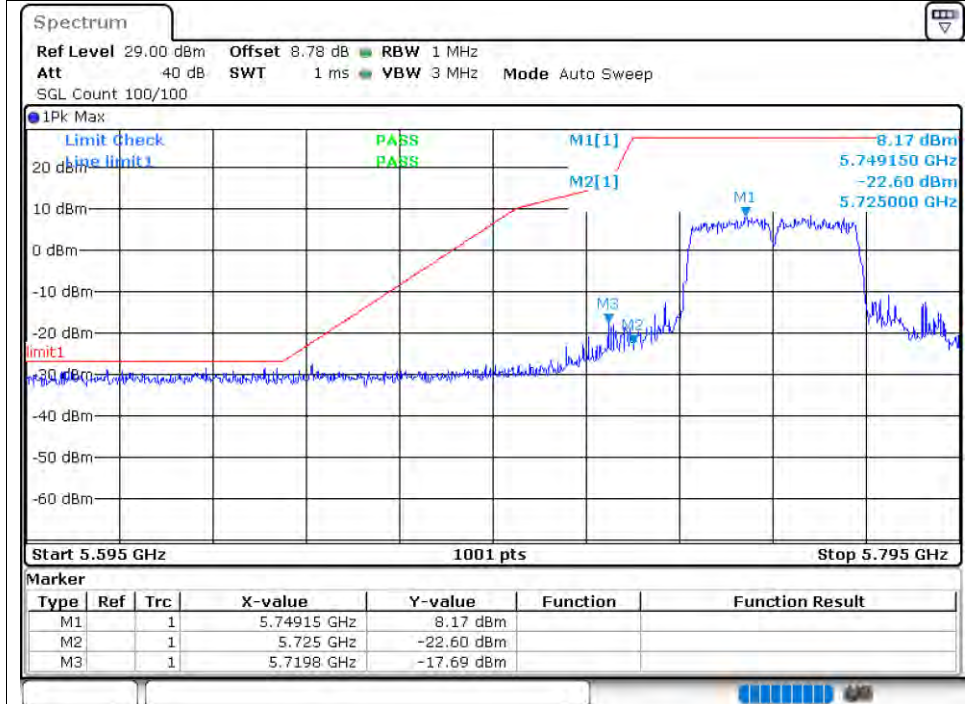
Band Edge NVNT ac20 5745MHz Low Ant1



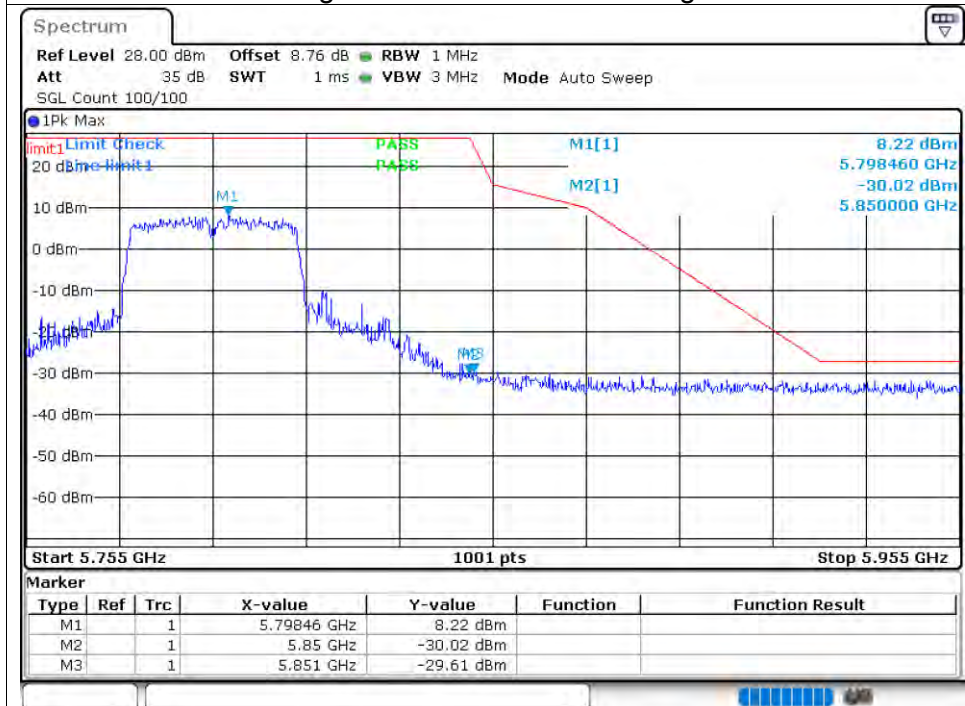
Band Edge NVNT ac20 5825MHz High Ant1



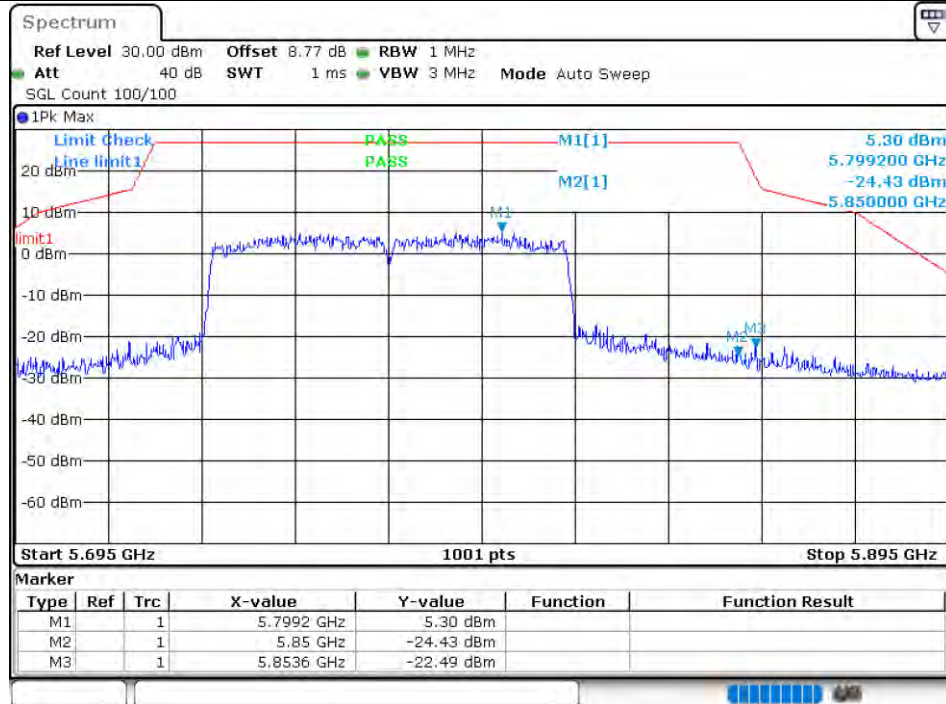
Band Edge NVNT ac40 5755MHz Low Ant1



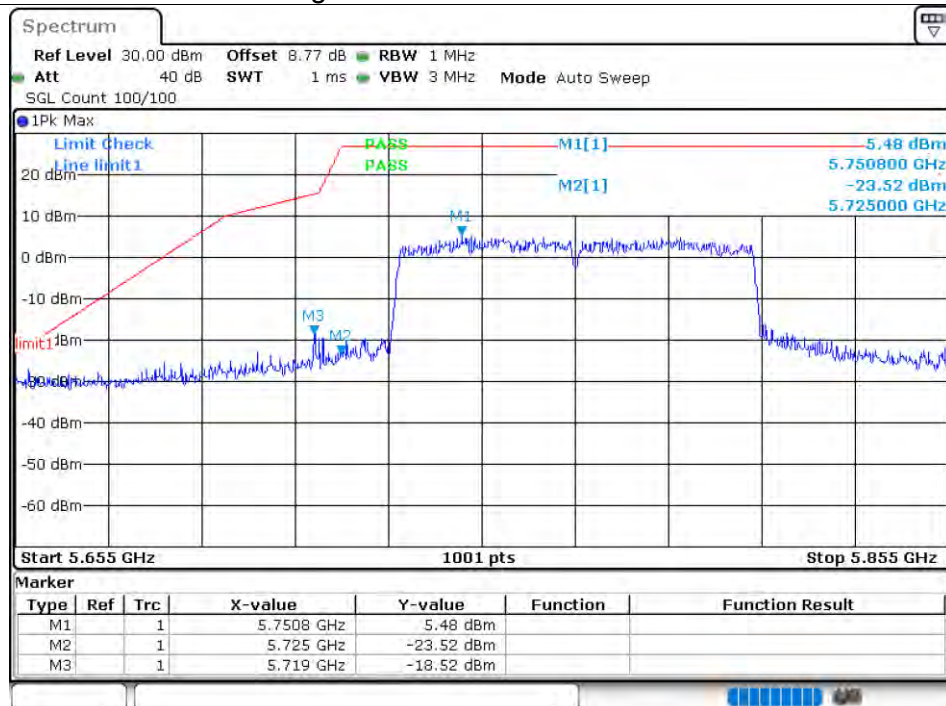
Band Edge NVNT ac40 5795MHz High Ant1



Band Edge NVNT ac80 5775MHz High Ant1



Band Edge NVNT ac80 5775MHz Low Ant1

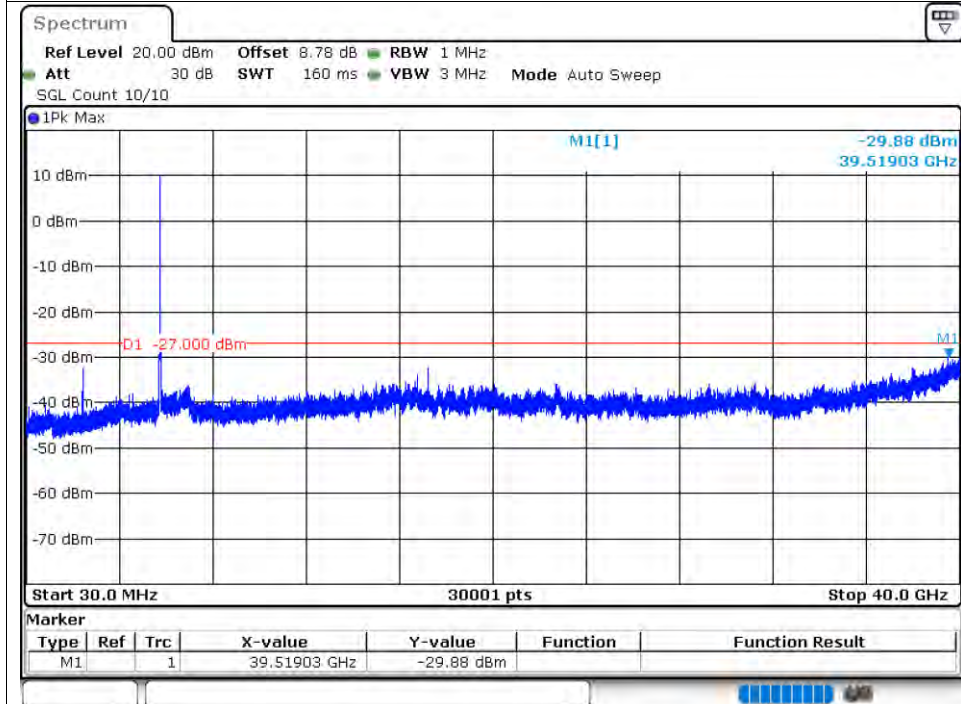


5.7 CONDUCTED RF SPURIOUS EMISSION

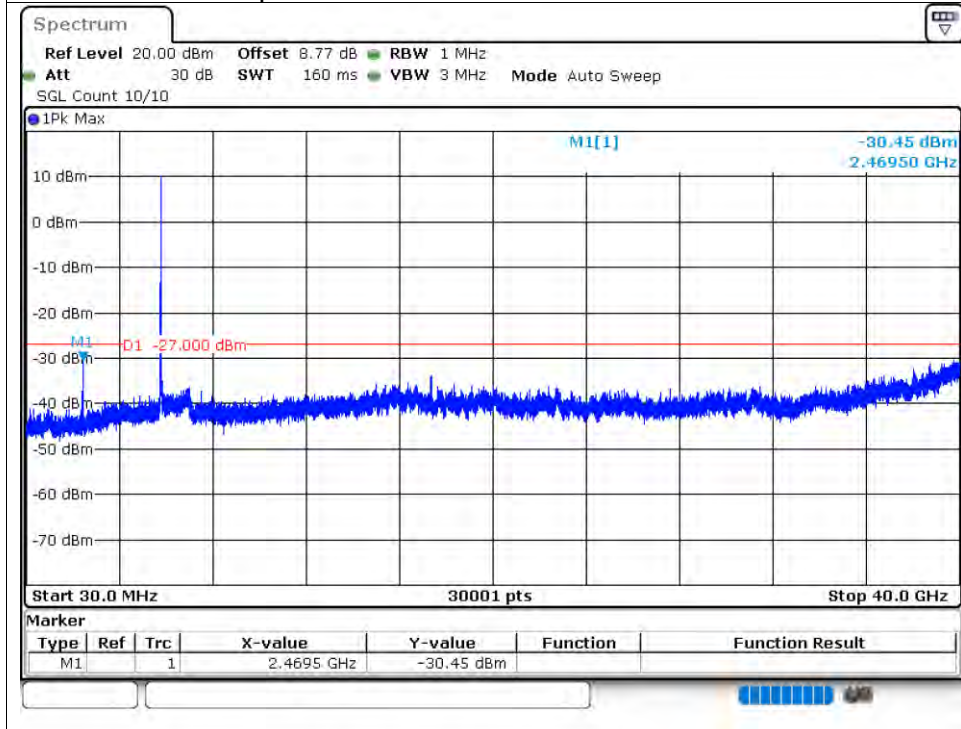
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-29.88	-27	Pass
NVNT	a	5785	Ant1	-30.44	-27	Pass
NVNT	a	5825	Ant1	-29.93	-27	Pass
NVNT	n20	5745	Ant1	-30.3	-27	Pass
NVNT	n20	5785	Ant1	-29.73	-27	Pass
NVNT	n20	5825	Ant1	-29.9	-27	Pass
NVNT	n40	5755	Ant1	-29.26	-27	Pass
NVNT	n40	5795	Ant1	-30.05	-27	Pass
NVNT	ac20	5745	Ant1	-30.6	-27	Pass
NVNT	ac20	5785	Ant1	-30.29	-27	Pass
NVNT	ac20	5825	Ant1	-30.2	-27	Pass
NVNT	ac40	5755	Ant1	-30.4	-27	Pass
NVNT	ac40	5795	Ant1	-30.02	-27	Pass
NVNT	ac80	5775	Ant1	-28.94	-27	Pass

Test Graphs

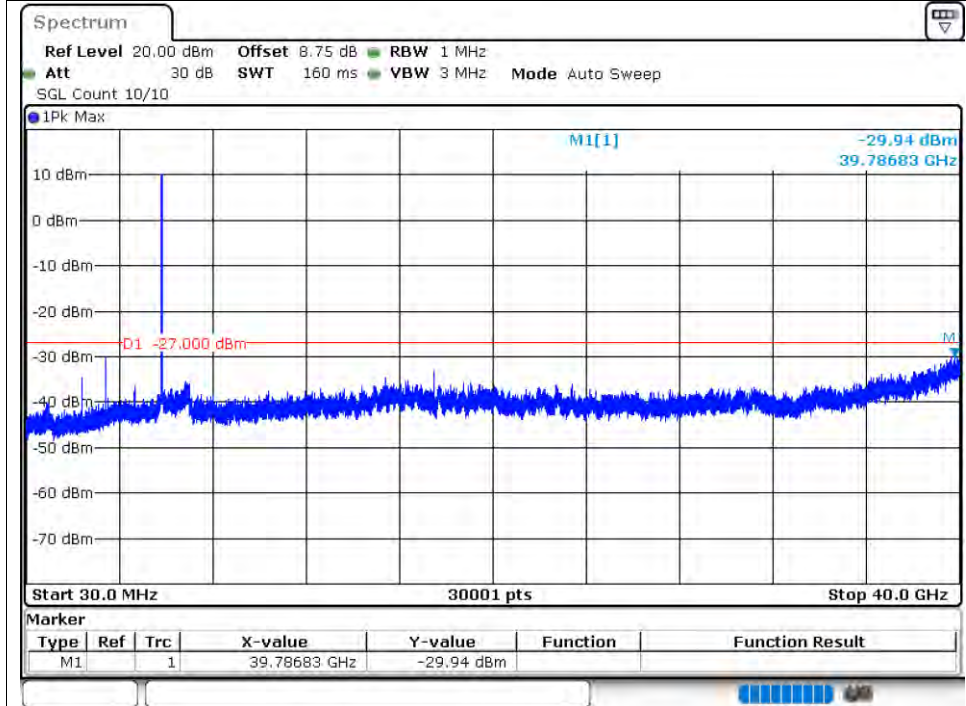
Tx. Spurious NVNT a 5745MHz Ant1 Emission



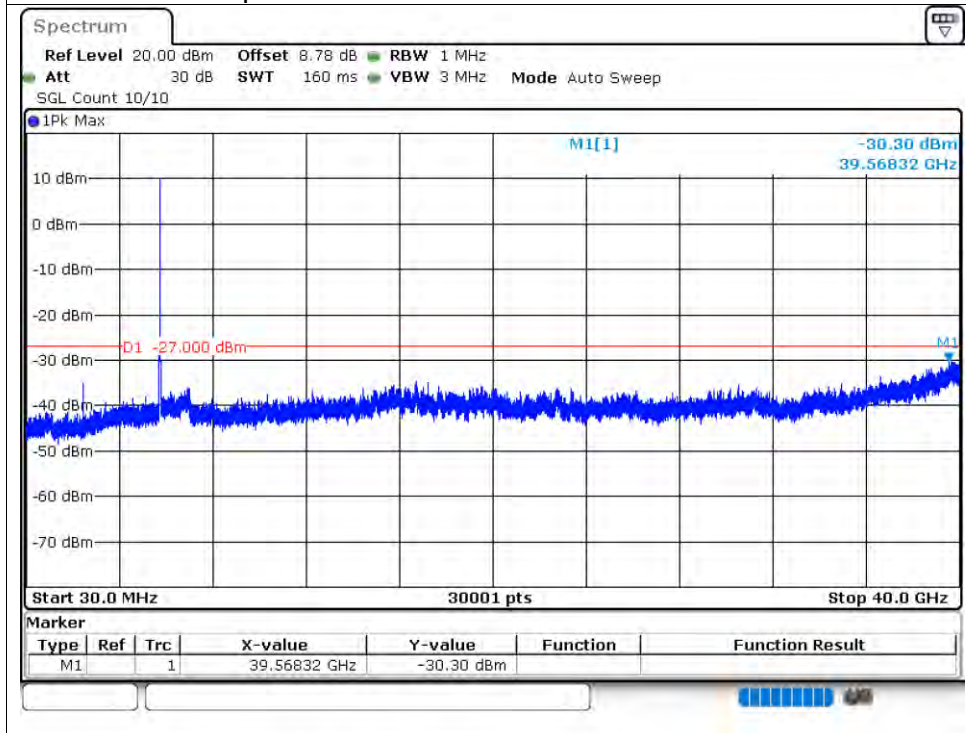
Tx. Spurious NVNT a 5785MHz Ant1 Emission

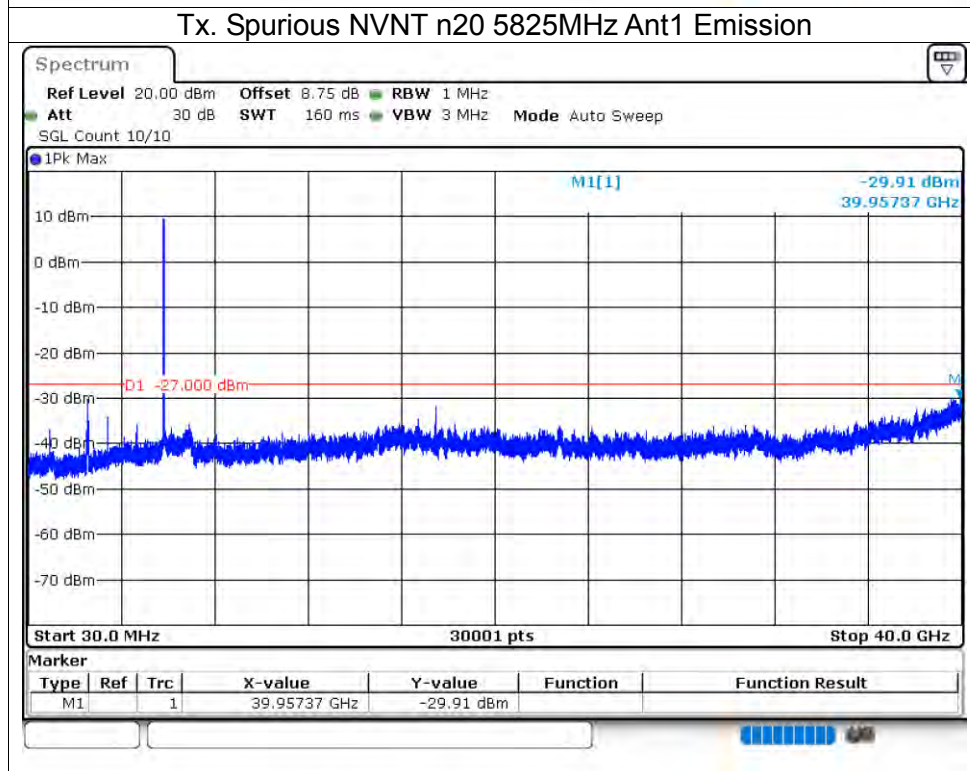
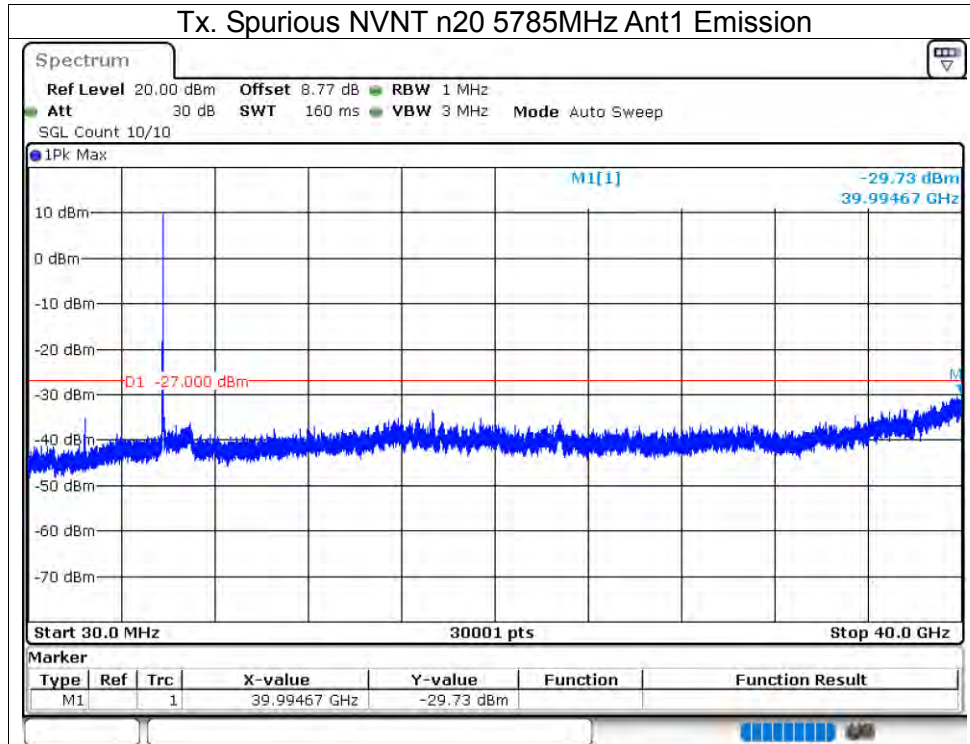


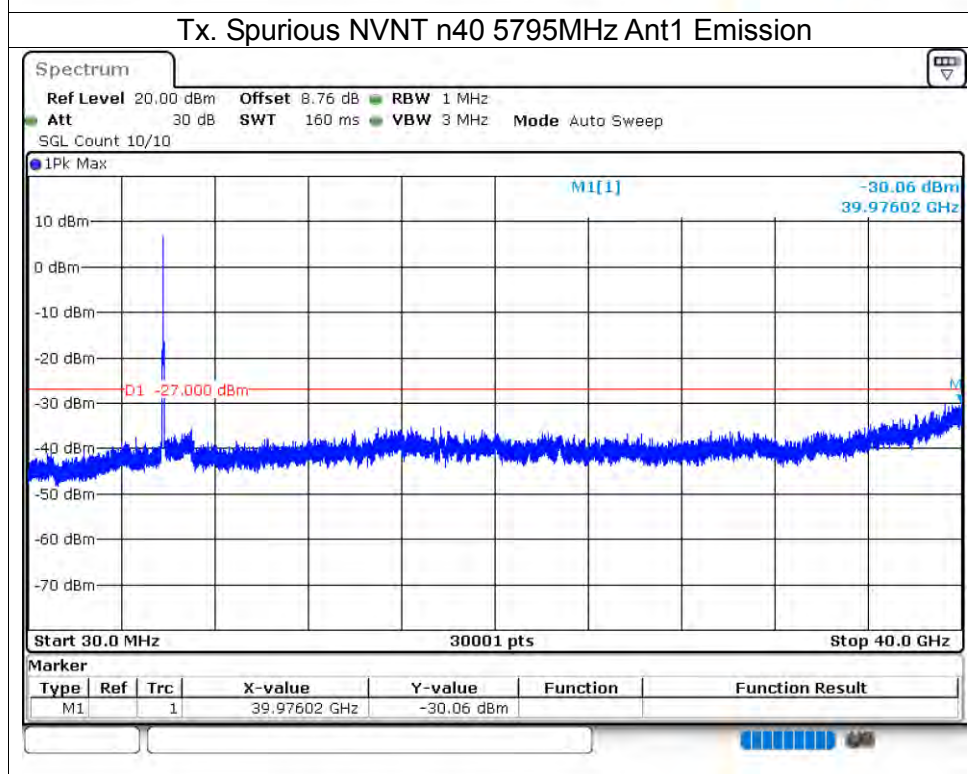
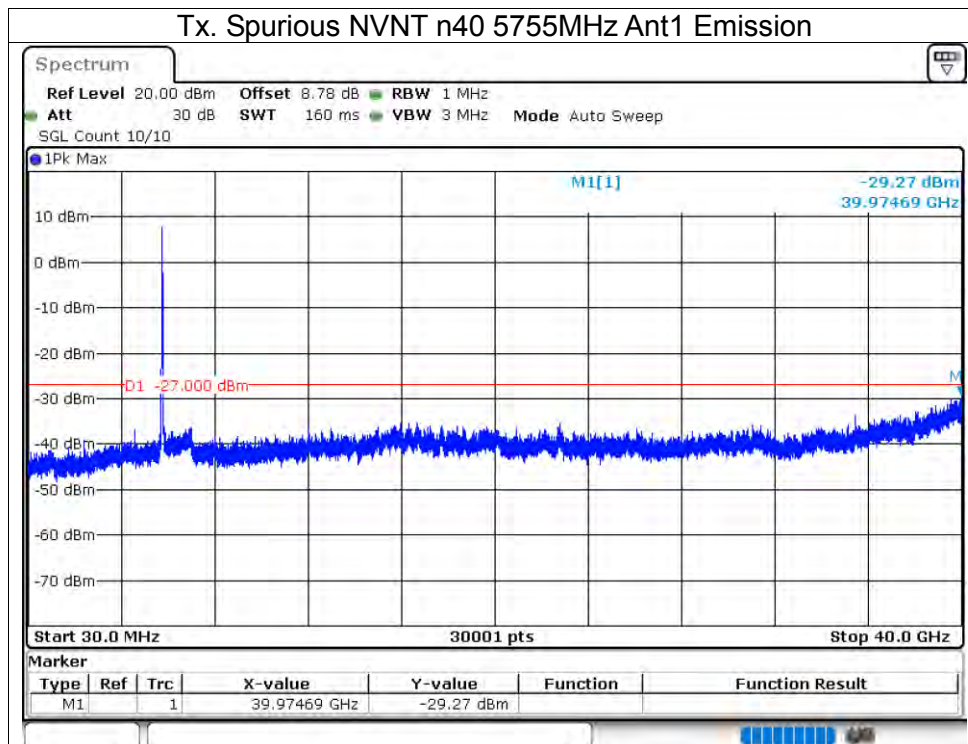
Tx. Spurious NVNT a 5825MHz Ant1 Emission

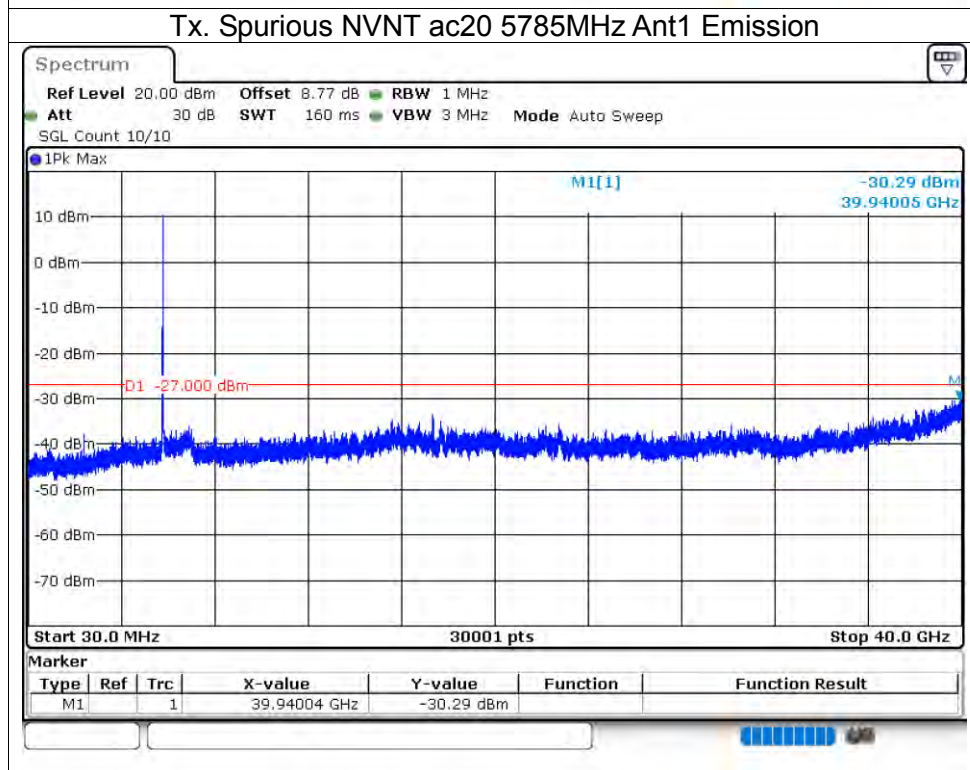
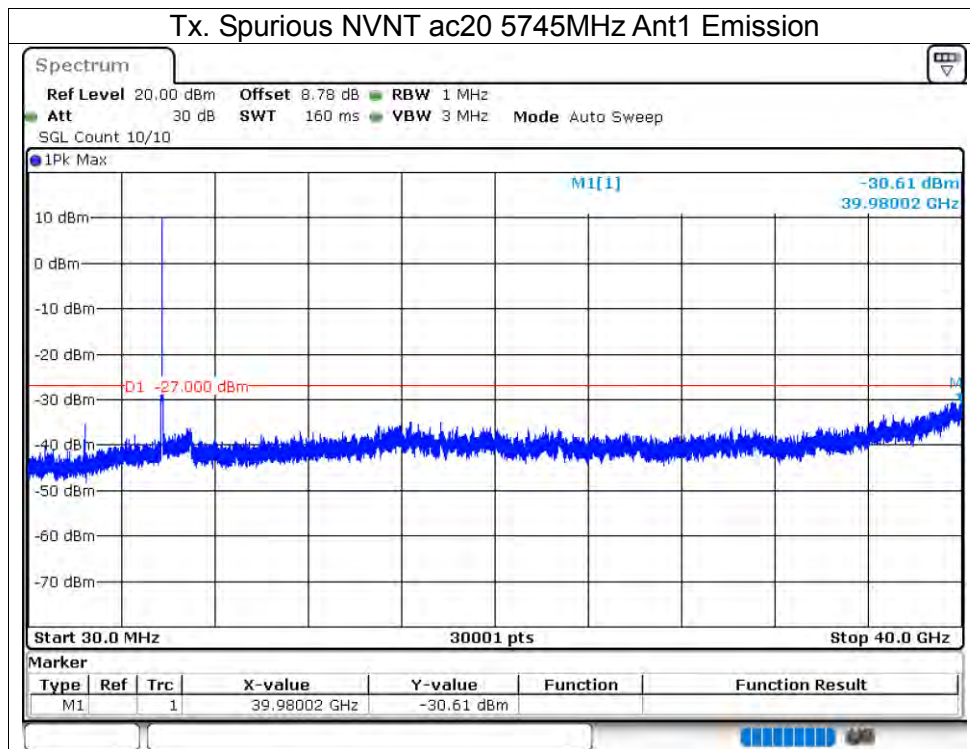


Tx. Spurious NVNT n20 5745MHz Ant1 Emission

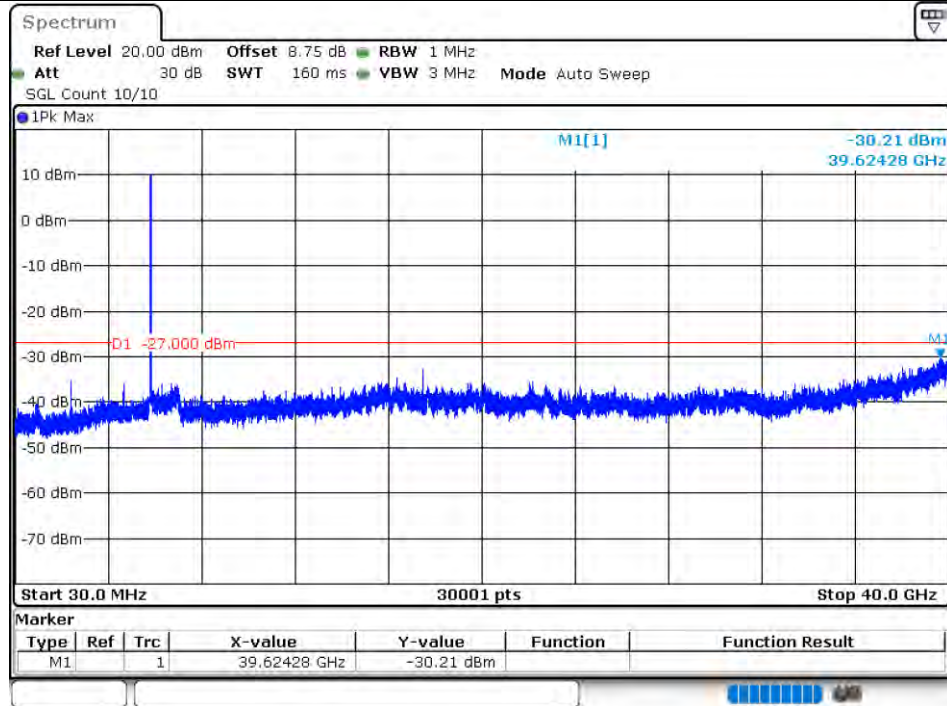




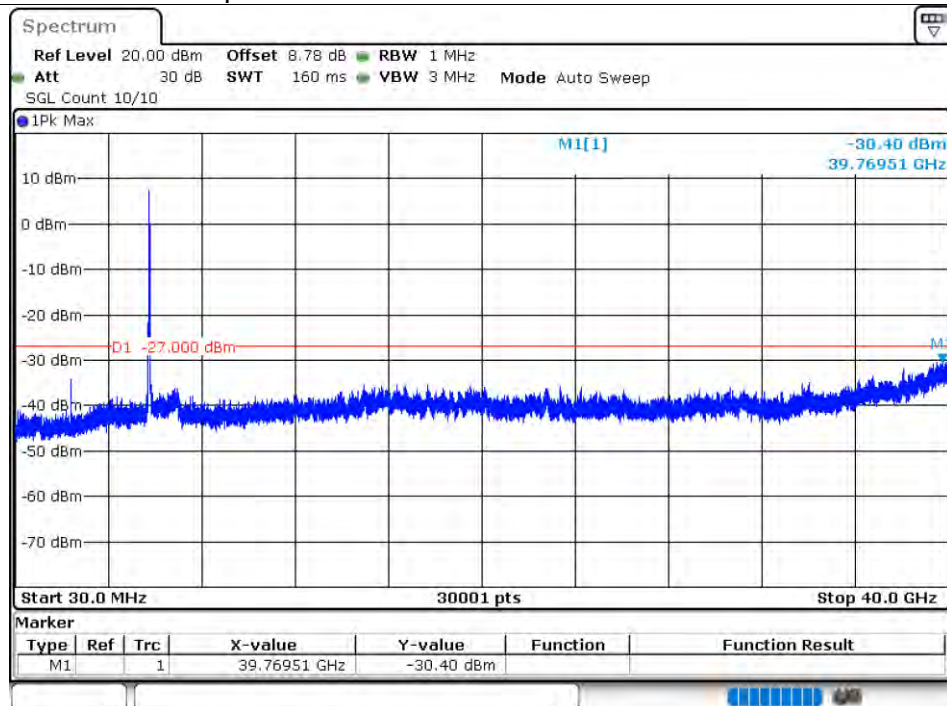


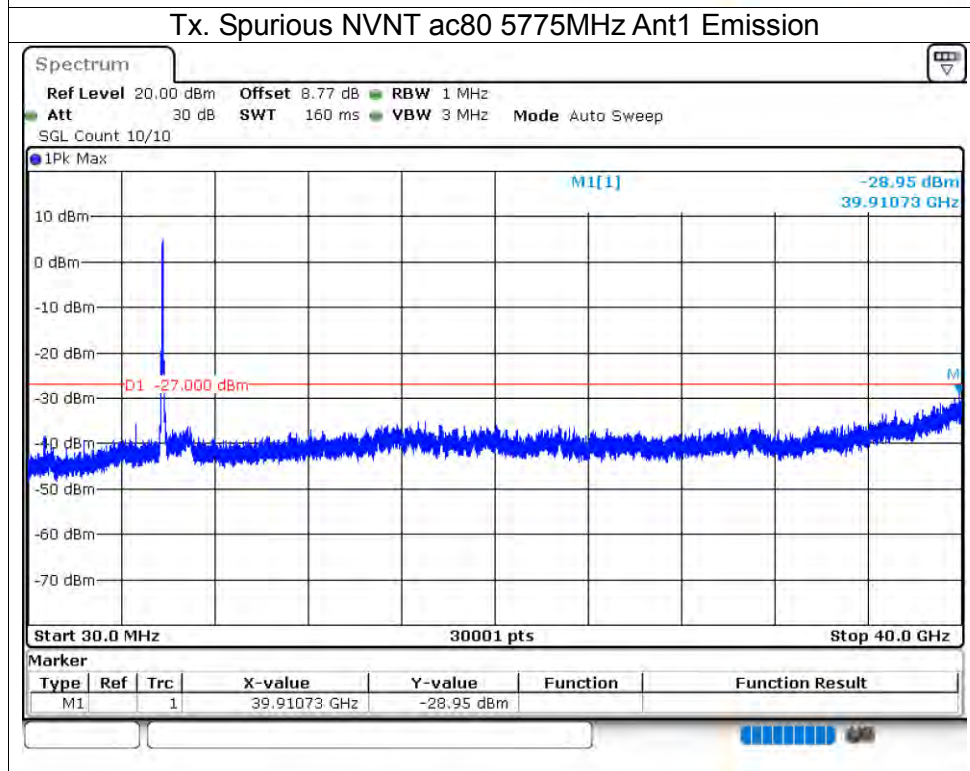
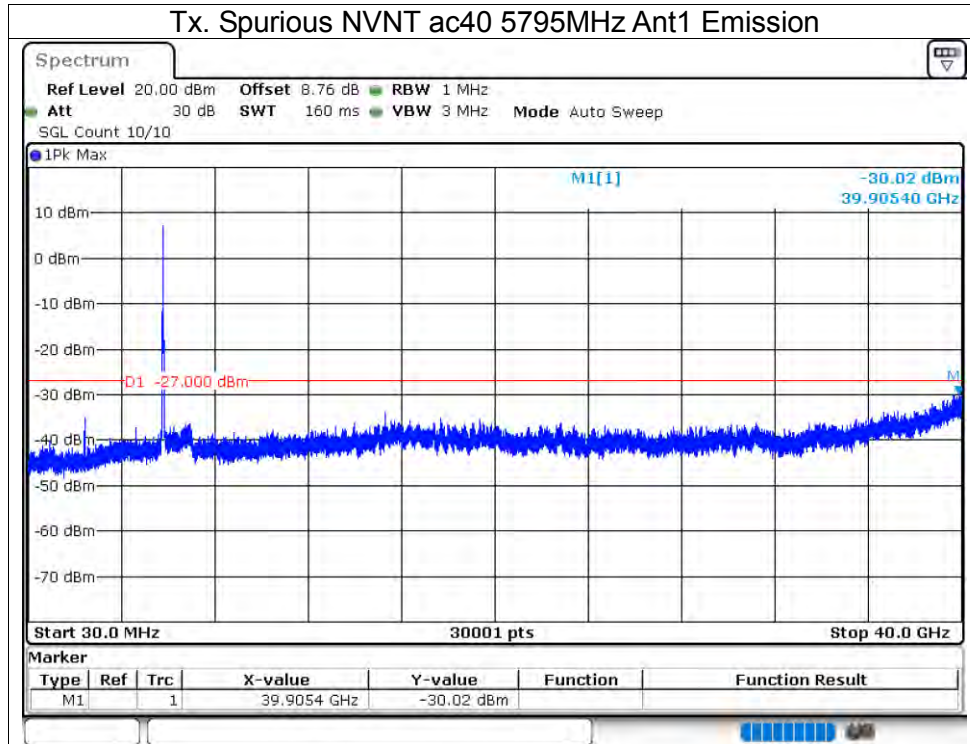


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission





END OF REPORT