

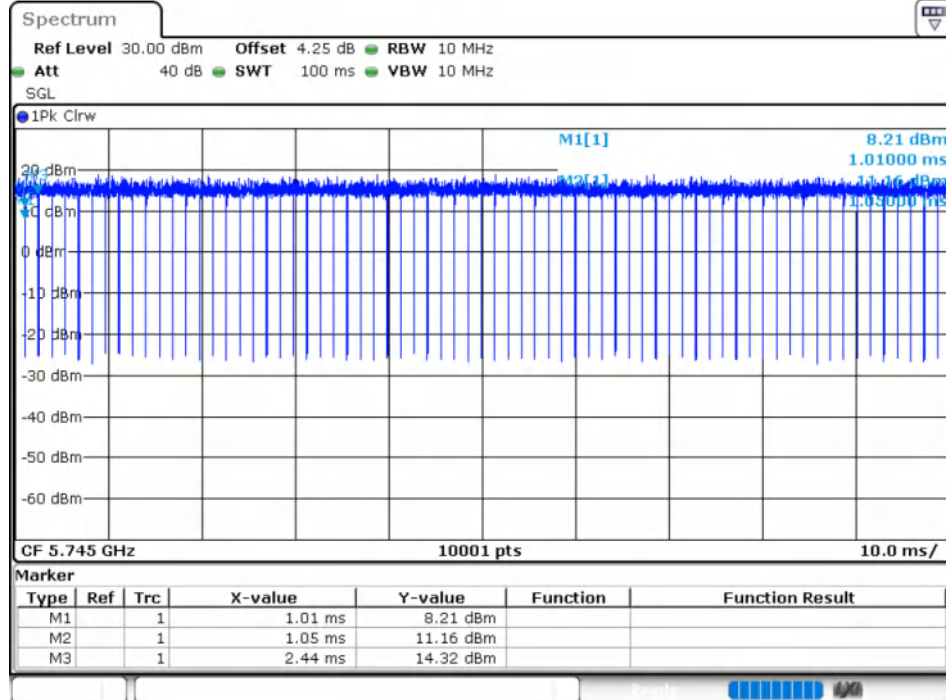
5.2 5.8G WIFI

5.2.1 DUTY CYCLE

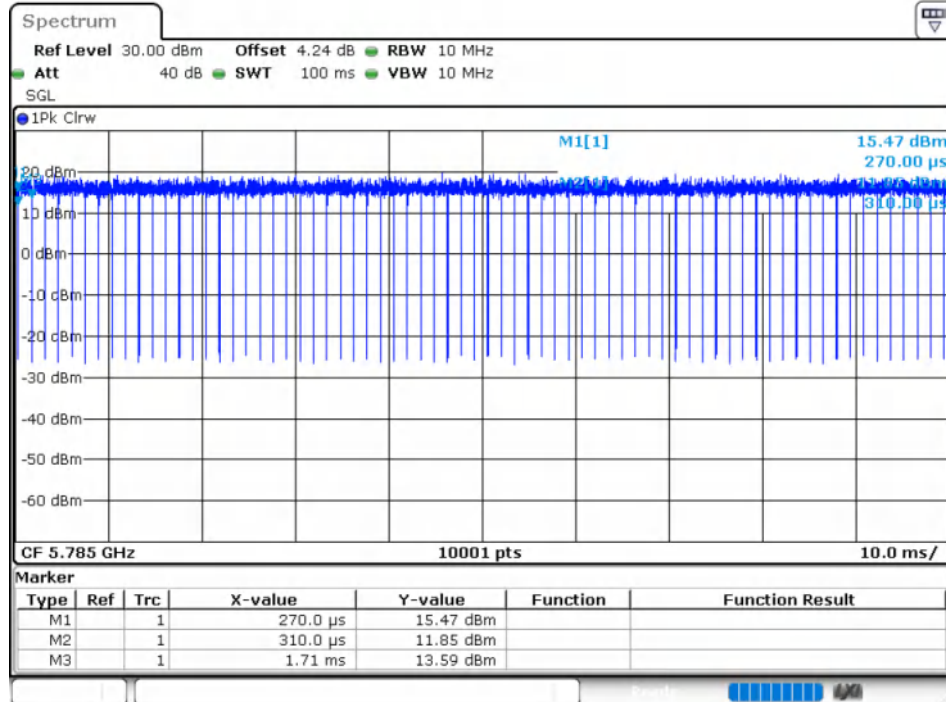
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.6	0.11	0.72
NVNT	a	5785	Ant1	97.6	0.11	0.71
NVNT	a	5825	Ant1	97.6	0.11	0.71
NVNT	n20	5745	Ant1	97.39	0.11	0.77
NVNT	n20	5785	Ant1	97.43	0.11	0.77
NVNT	n20	5825	Ant1	97.46	0.11	0.77
NVNT	n40	5755	Ant1	95.08	0.22	1.54
NVNT	n40	5795	Ant1	95.1	0.22	1.56
NVNT	ac20	5745	Ant1	97.45	0.11	0.76
NVNT	ac20	5785	Ant1	97.47	0.11	0.76
NVNT	ac20	5825	Ant1	97.44	0.11	0.76
NVNT	ac40	5755	Ant1	95.1	0.22	1.54
NVNT	ac40	5795	Ant1	95.08	0.22	1.54
NVNT	ac80	5775	Ant1	90.72	0.42	3.03

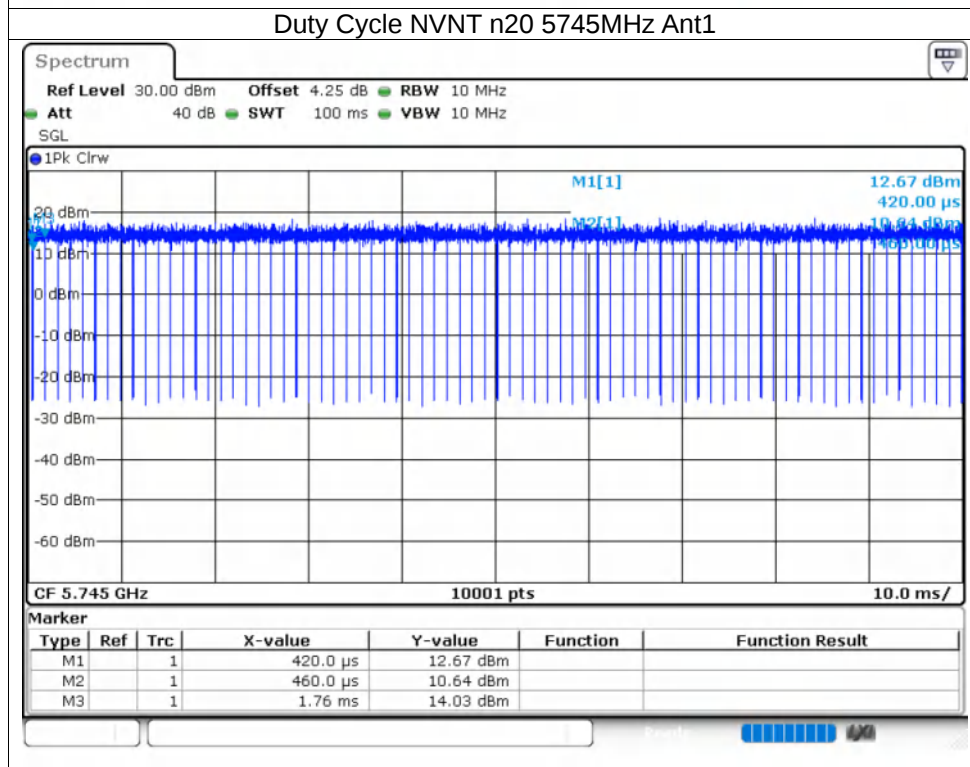
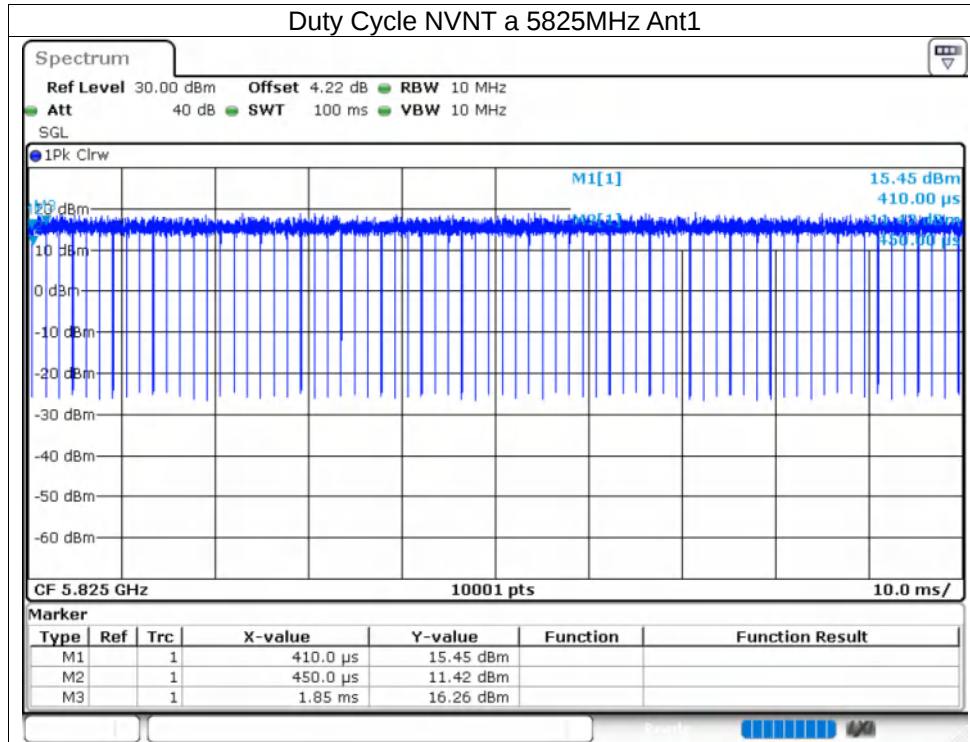
Test Graphs

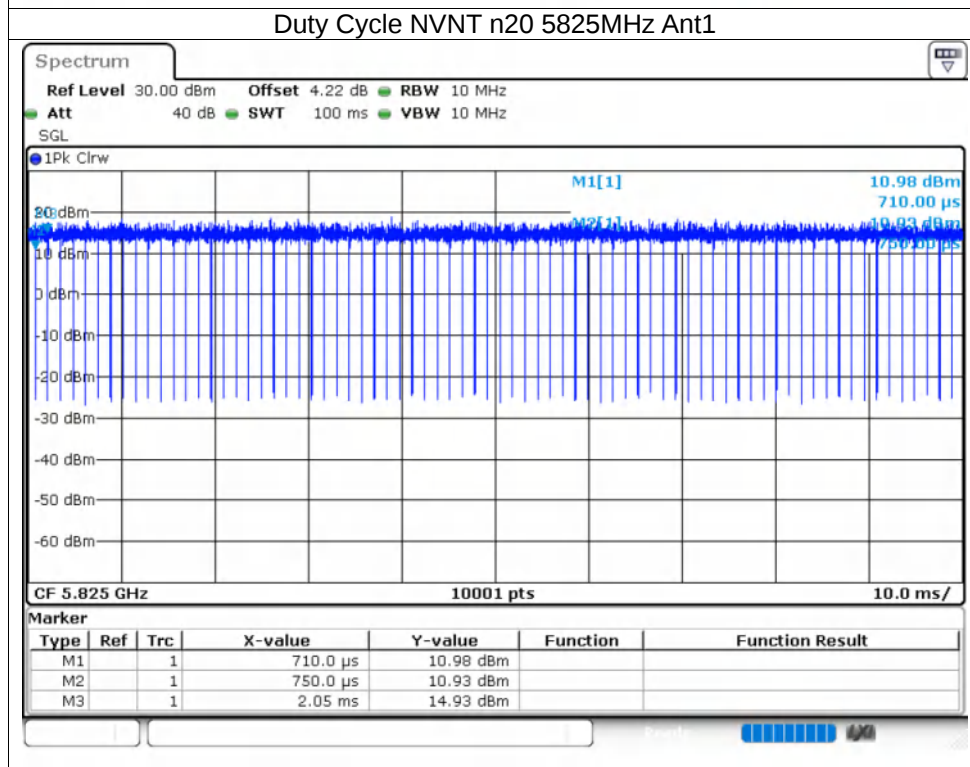
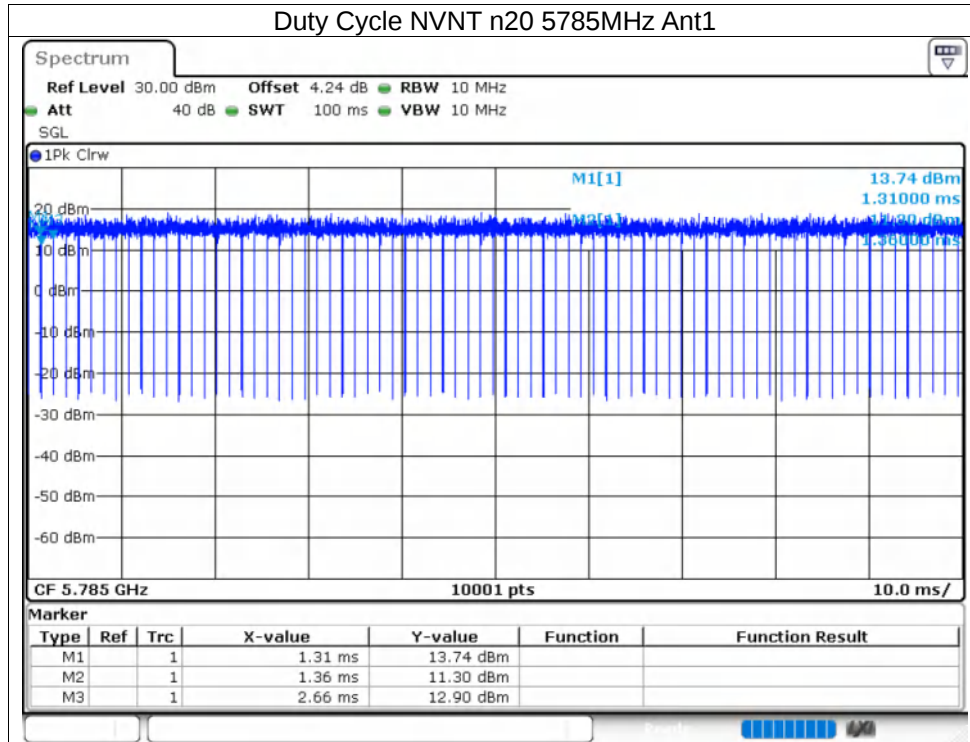
Duty Cycle NVNT a 5745MHz Ant1



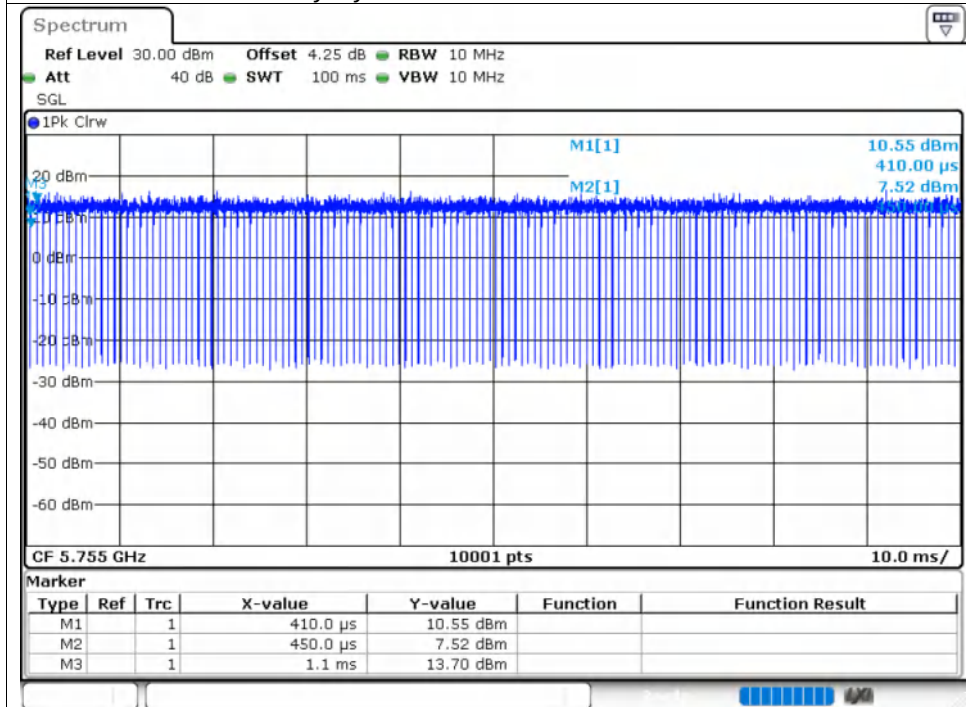
Duty Cycle NVNT a 5785MHz Ant1



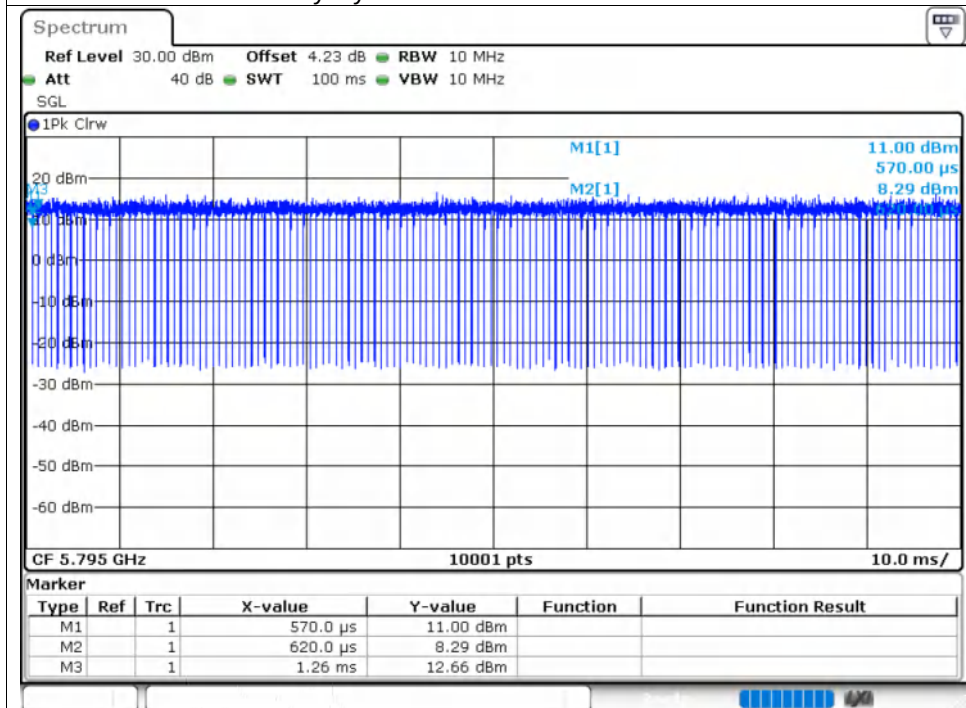




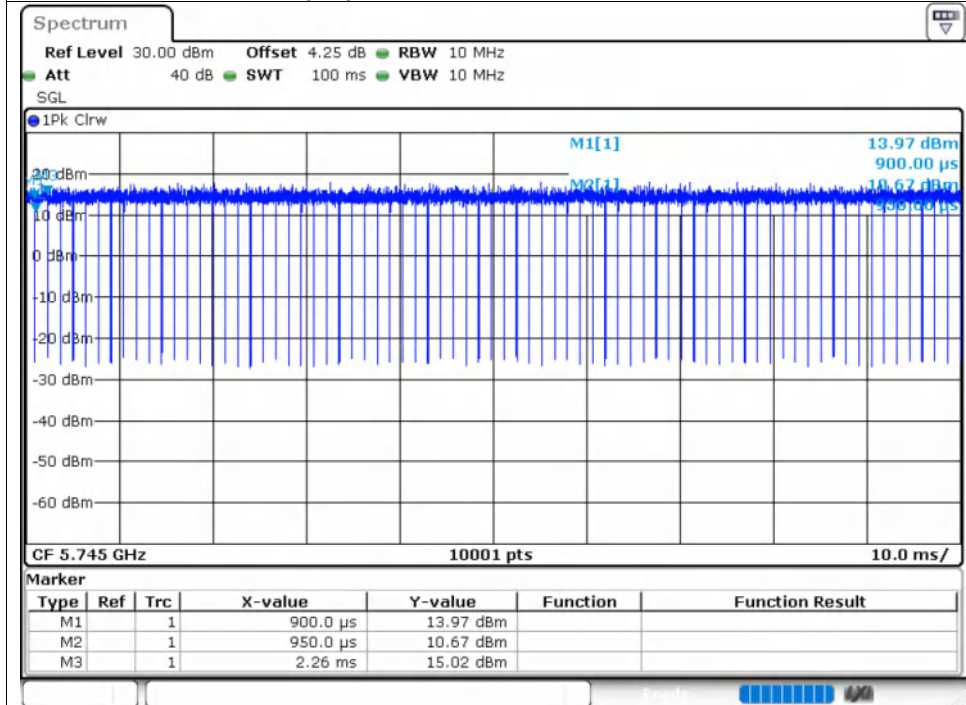
Duty Cycle NVNT n40 5755MHz Ant1



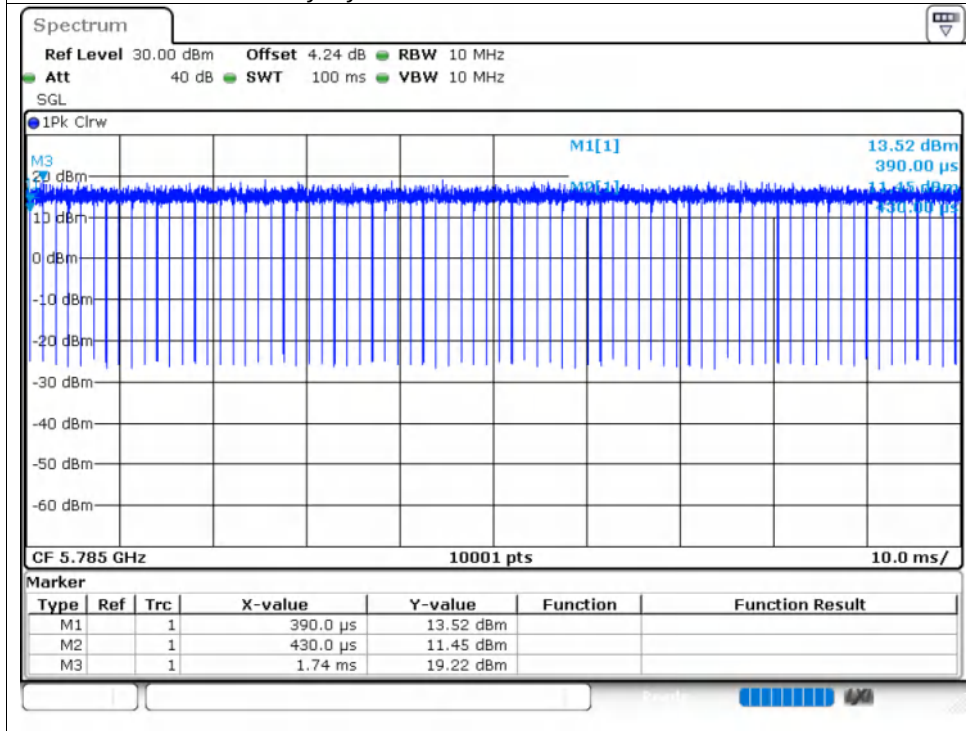
Duty Cycle NVNT n40 5795MHz Ant1



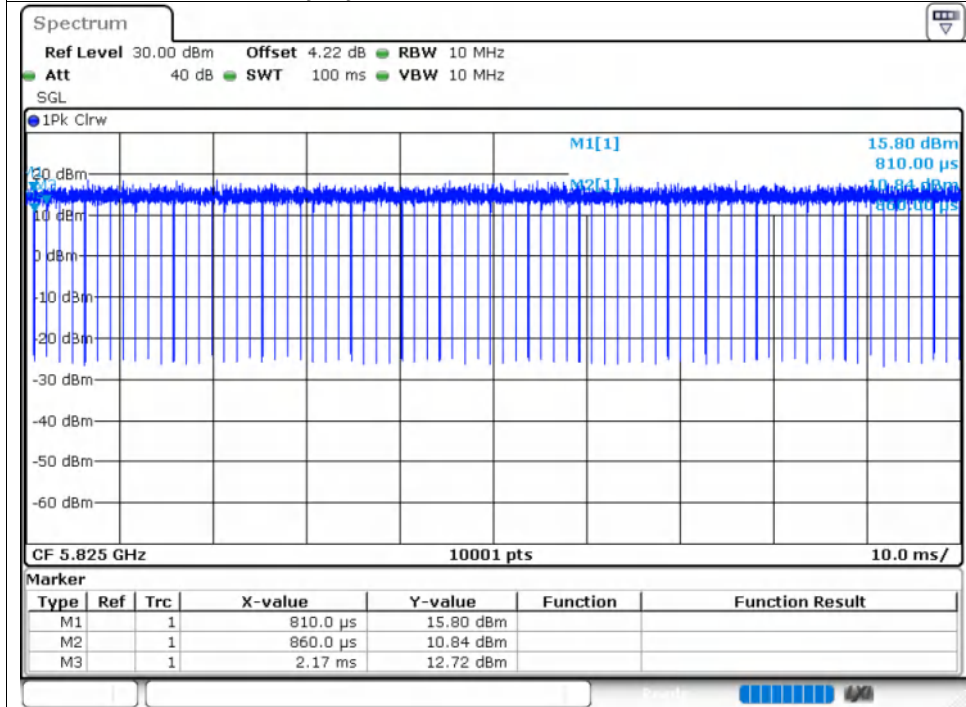
Duty Cycle NVNT ac20 5745MHz Ant1



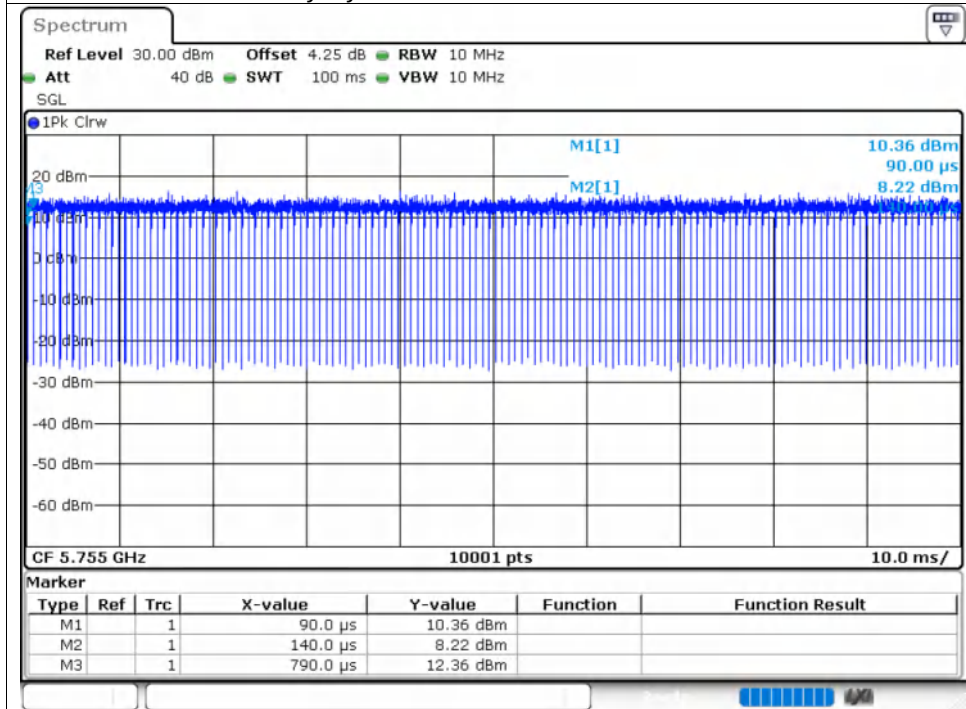
Duty Cycle NVNT ac20 5785MHz Ant1



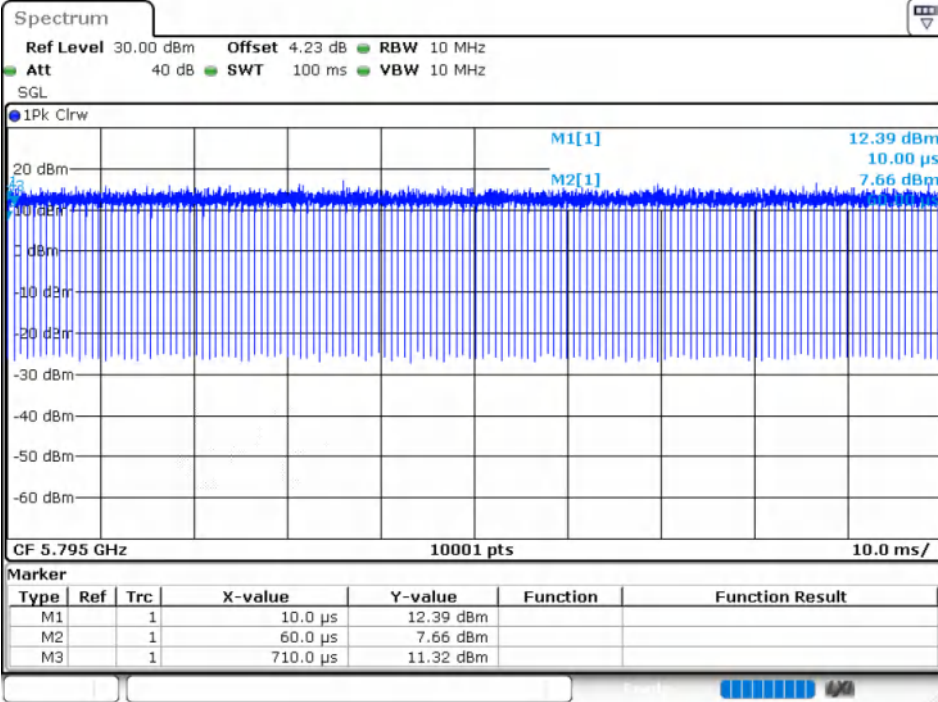
Duty Cycle NVNT ac20 5825MHz Ant1



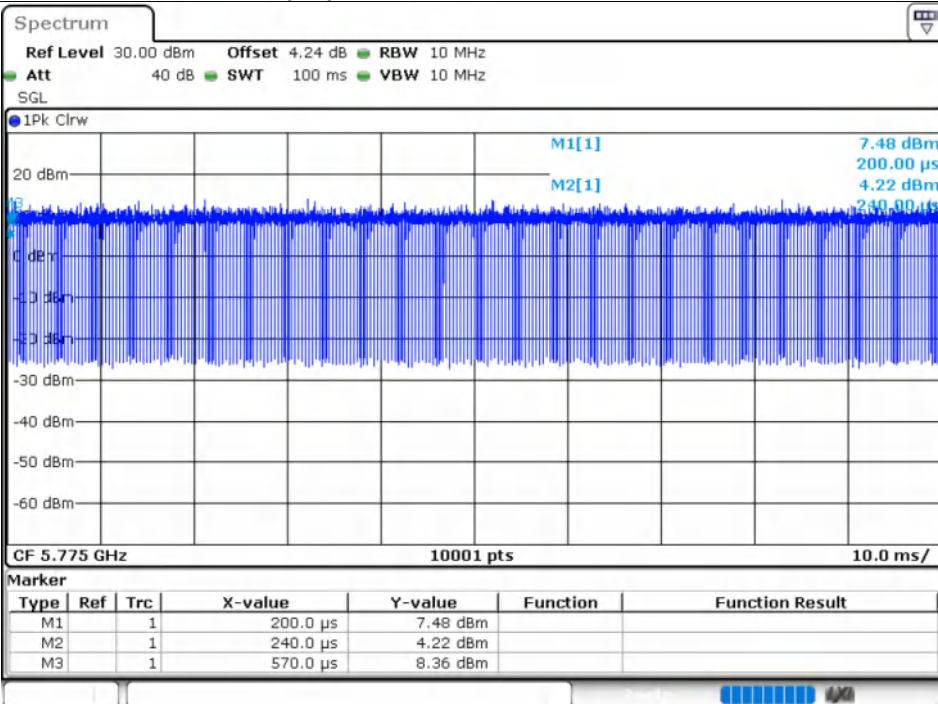
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



5.2.2 MAXIMUM CONDUCTED OUTPUT POWER

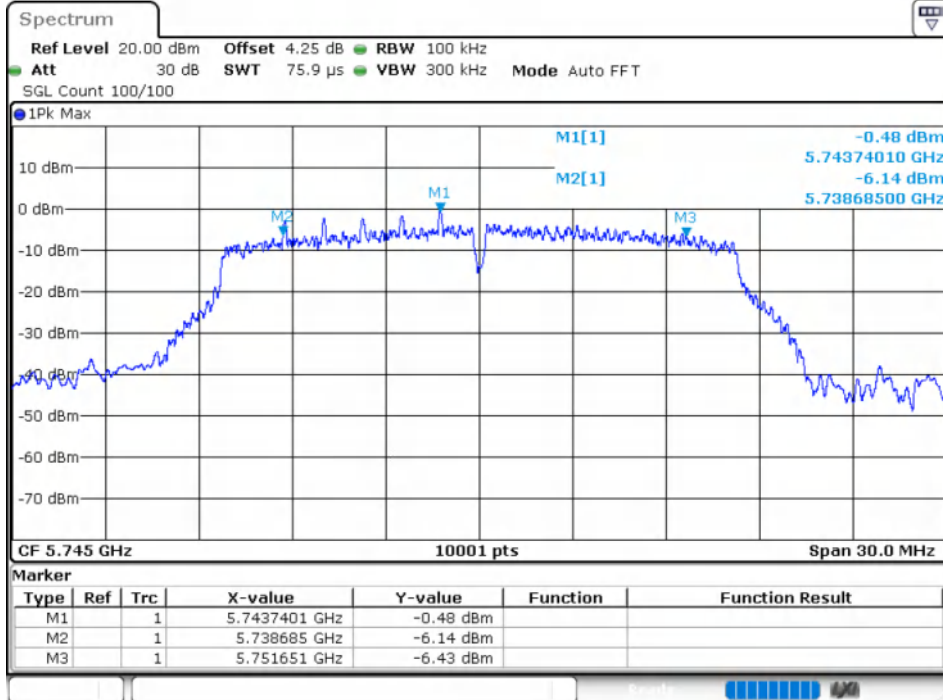
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.29	30	Pass
NVNT	a	5785	Ant1	10.48	30	Pass
NVNT	a	5825	Ant1	10.37	30	Pass
NVNT	n20	5745	Ant1	9.86	30	Pass
NVNT	n20	5785	Ant1	9.77	30	Pass
NVNT	n20	5825	Ant1	9.7	30	Pass
NVNT	n40	5755	Ant1	10.06	30	Pass
NVNT	n40	5795	Ant1	9.69	30	Pass
NVNT	ac20	5745	Ant1	9.63	30	Pass
NVNT	ac20	5785	Ant1	9.87	30	Pass
NVNT	ac20	5825	Ant1	9.7	30	Pass
NVNT	ac40	5755	Ant1	9.66	30	Pass
NVNT	ac40	5795	Ant1	9.81	30	Pass
NVNT	ac80	5775	Ant1	9.74	30	Pass

5.2.3 -6DB BANDWIDTH

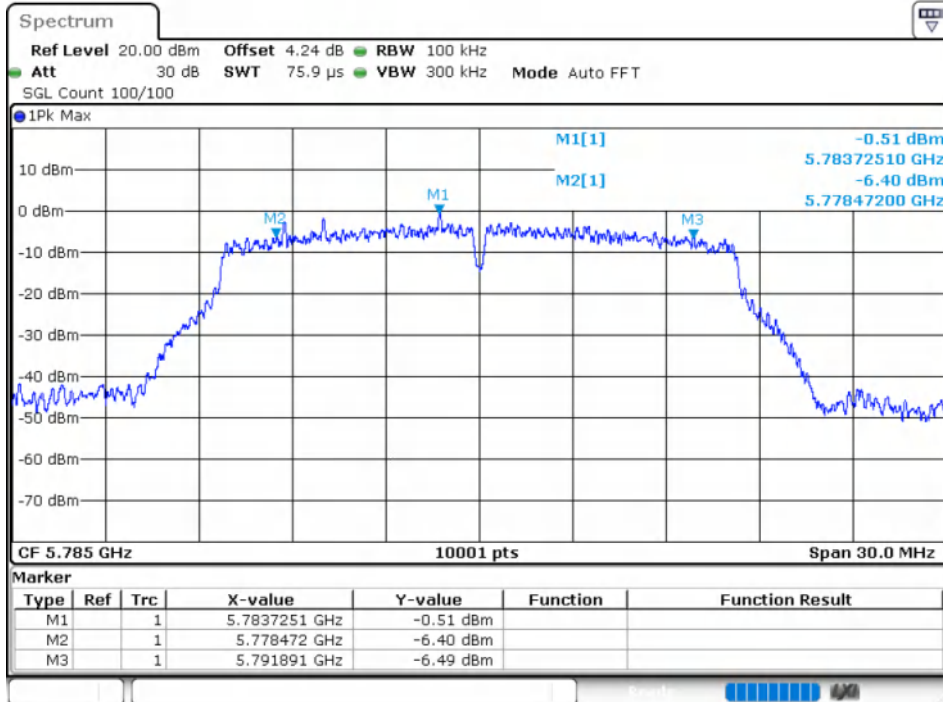
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	12.966	0.5	Pass
NVNT	a	5785	Ant1	13.419	0.5	Pass
NVNT	a	5825	Ant1	15.72	0.5	Pass
NVNT	n20	5745	Ant1	14.202	0.5	Pass
NVNT	n20	5785	Ant1	17.526	0.5	Pass
NVNT	n20	5825	Ant1	16.92	0.5	Pass
NVNT	n40	5755	Ant1	35.088	0.5	Pass
NVNT	n40	5795	Ant1	32.532	0.5	Pass
NVNT	ac20	5745	Ant1	17.577	0.5	Pass
NVNT	ac20	5785	Ant1	16.938	0.5	Pass
NVNT	ac20	5825	Ant1	16.434	0.5	Pass
NVNT	ac40	5755	Ant1	32.562	0.5	Pass
NVNT	ac40	5795	Ant1	35.034	0.5	Pass
NVNT	ac80	5775	Ant1	75.06	0.5	Pass

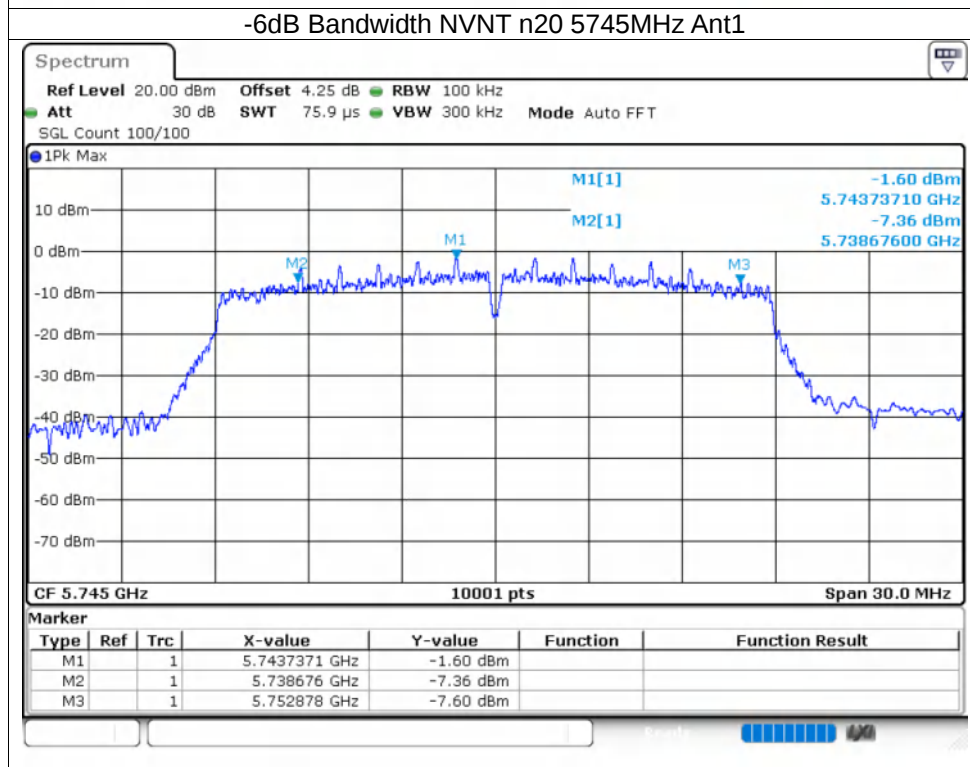
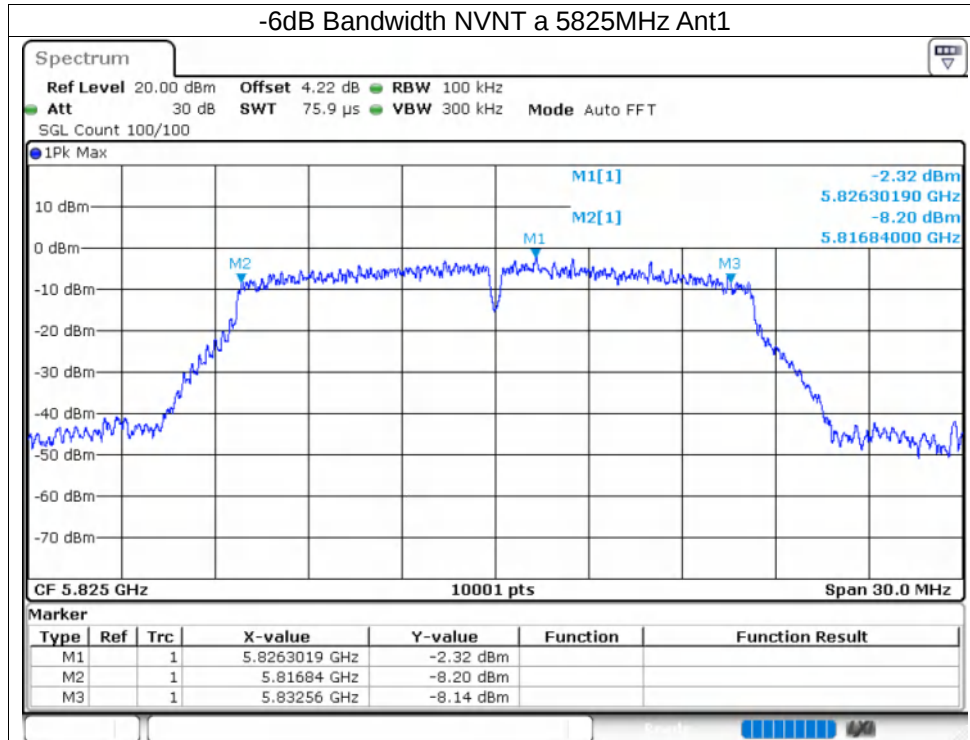
Test Graphs

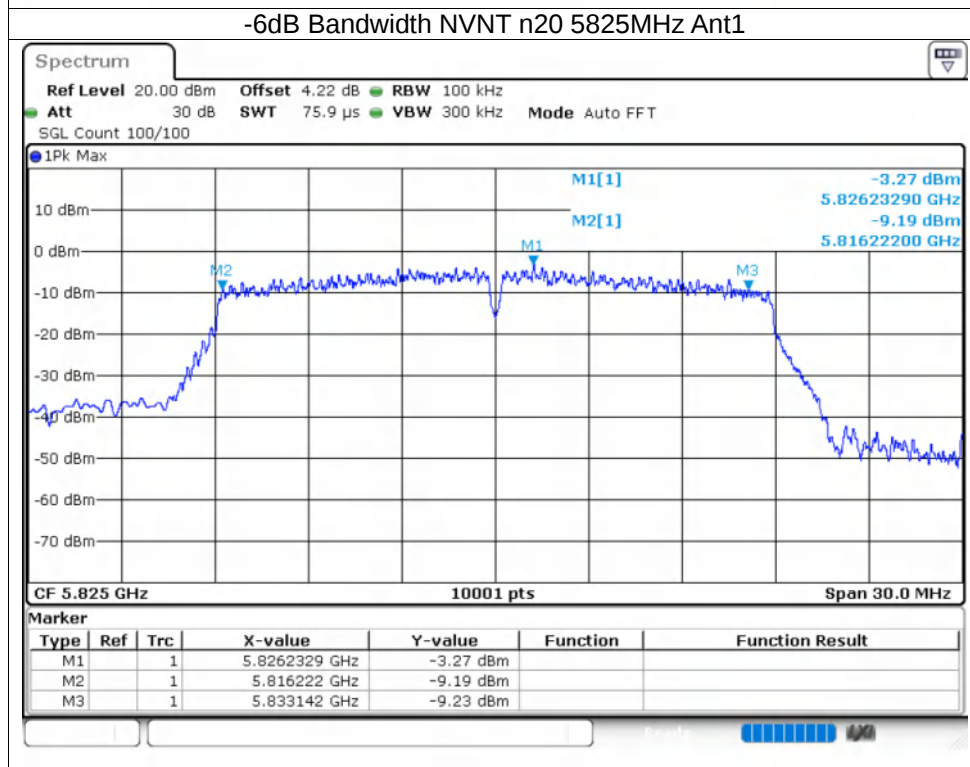
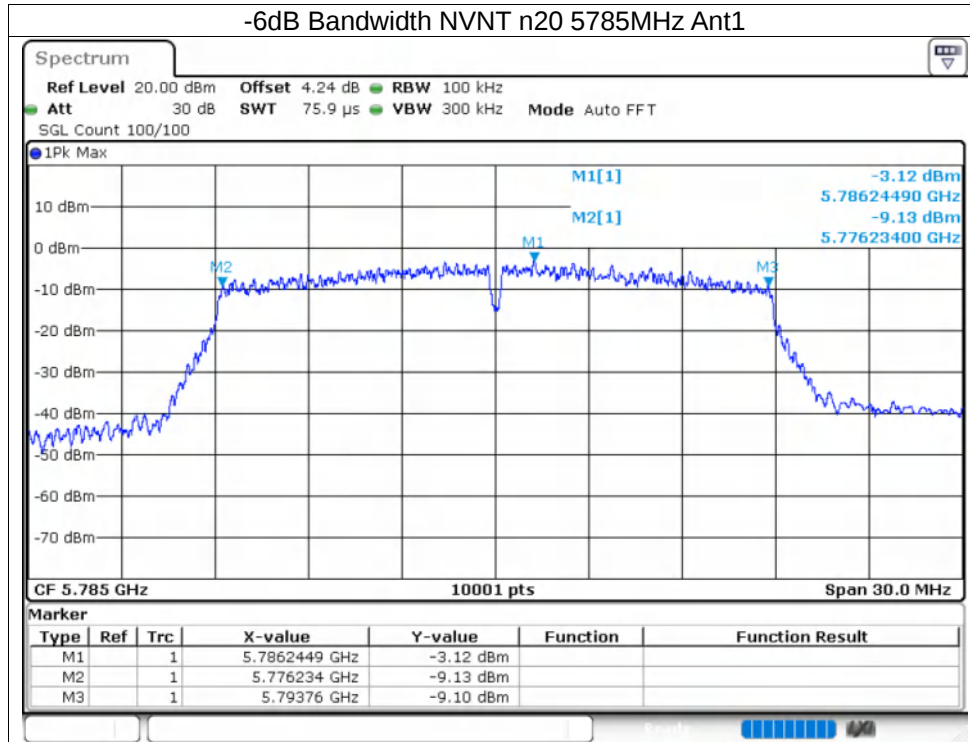
-6dB Bandwidth NVNT a 5745MHz Ant1

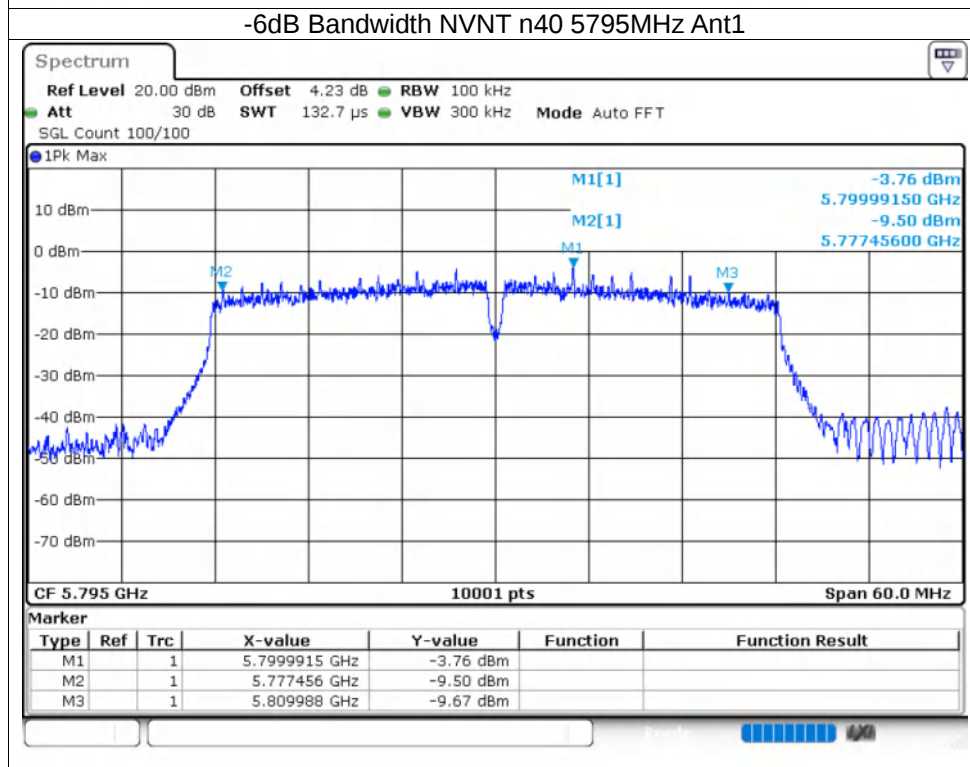
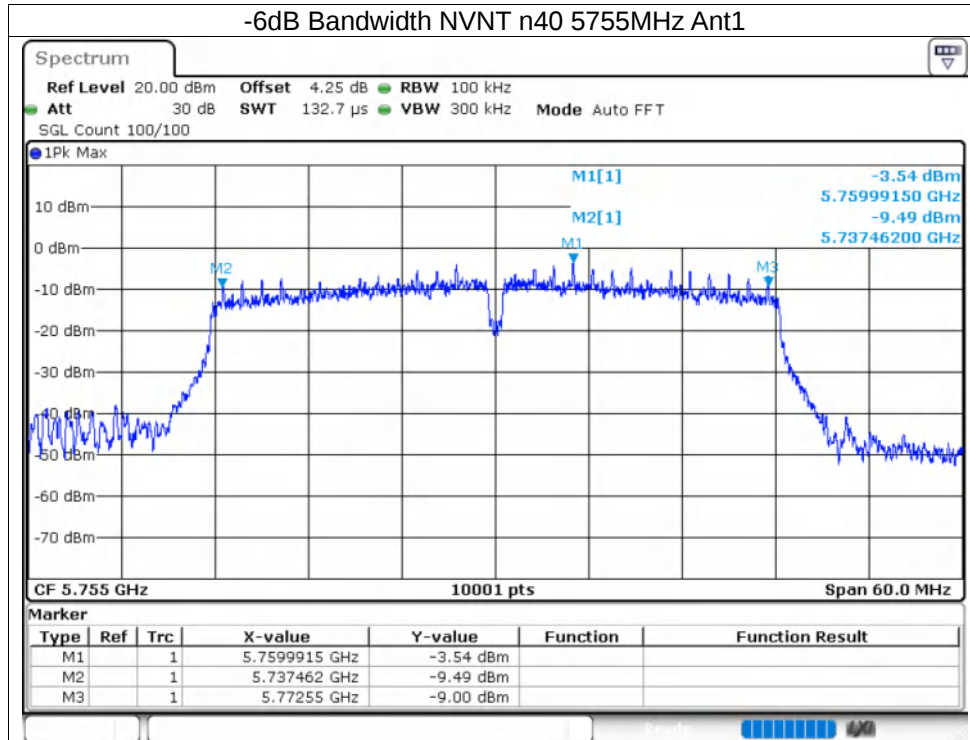


-6dB Bandwidth NVNT a 5785MHz Ant1

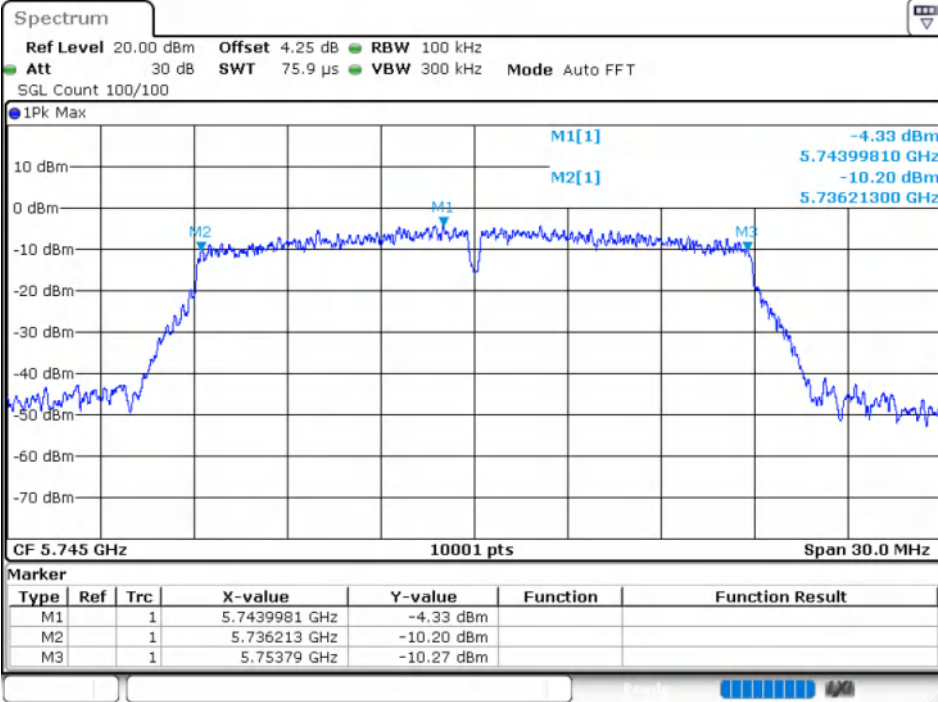




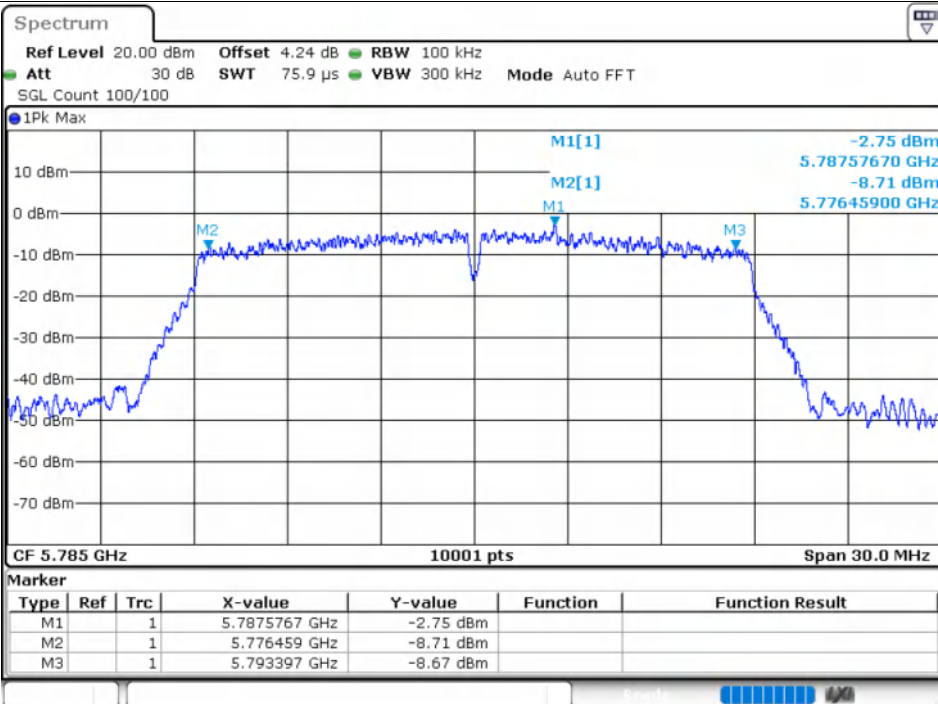


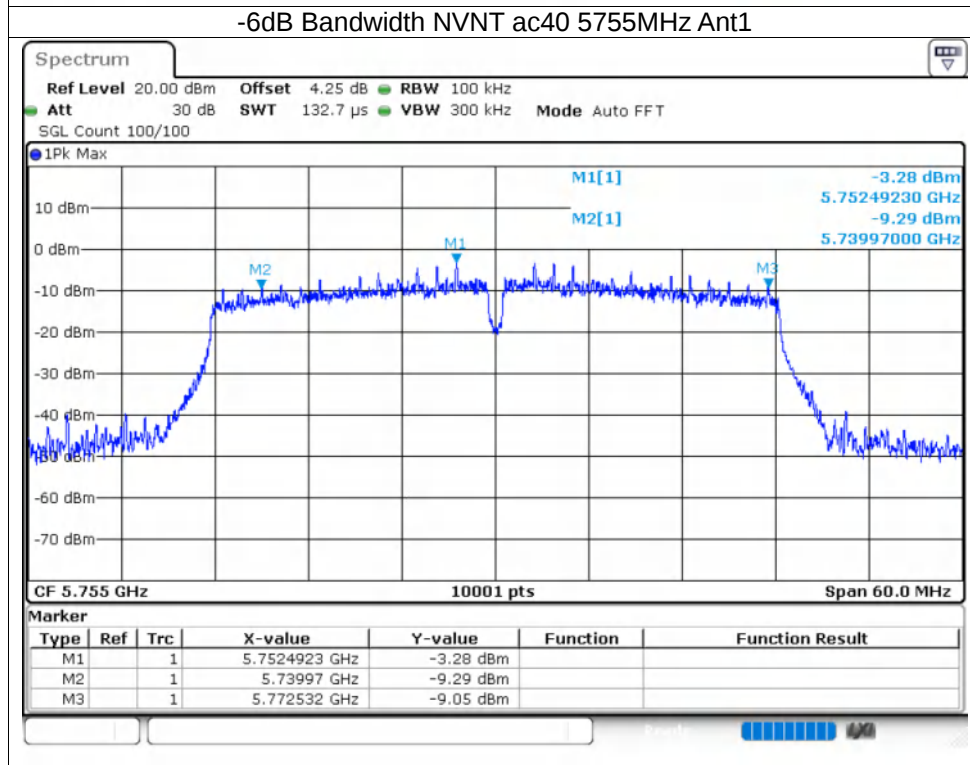
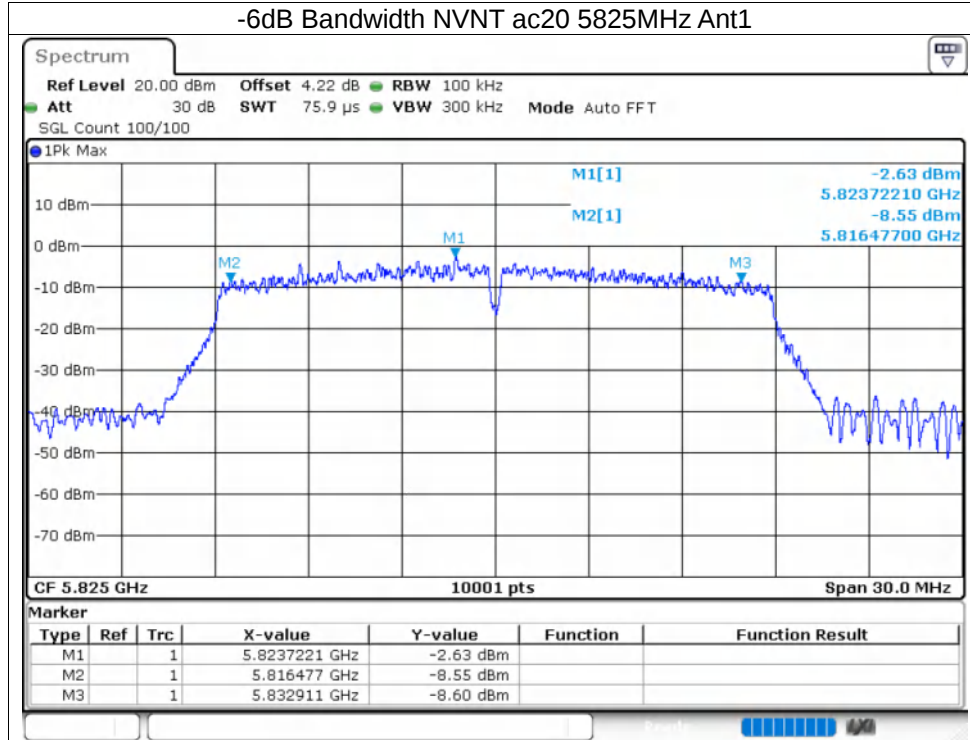


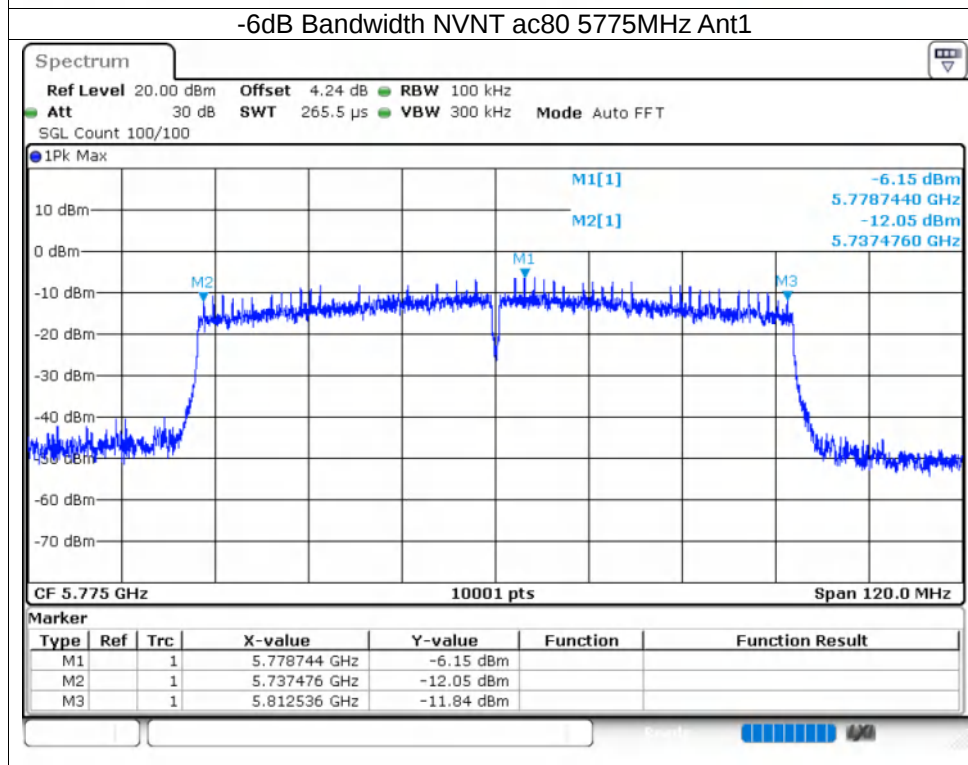
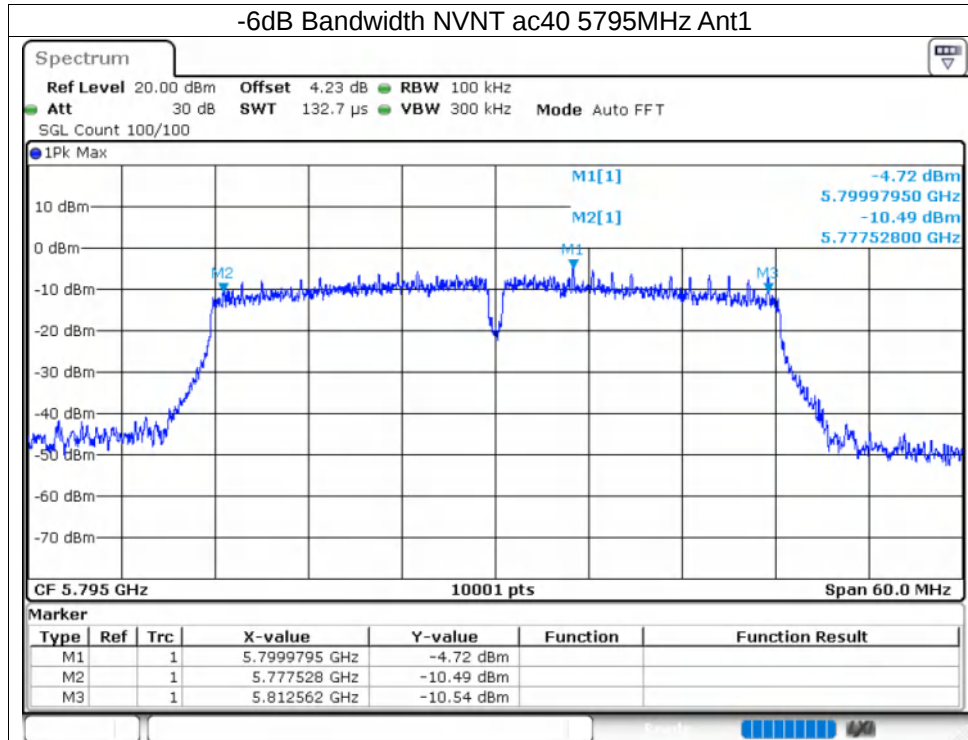
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1





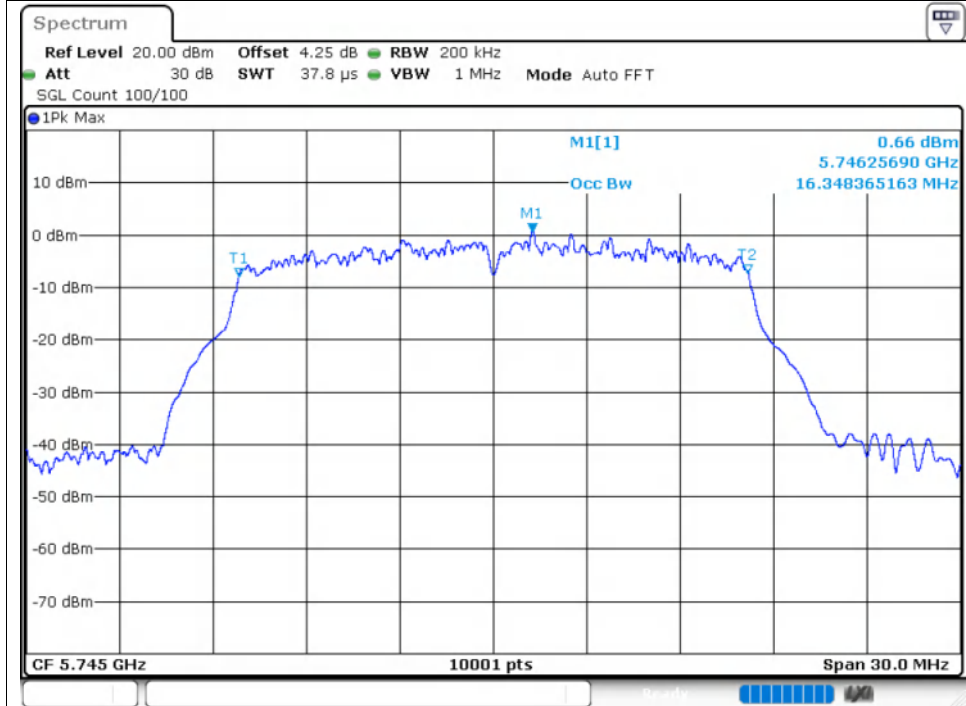


5.2.4 OCCUPIED CHANNEL BANDWIDTH

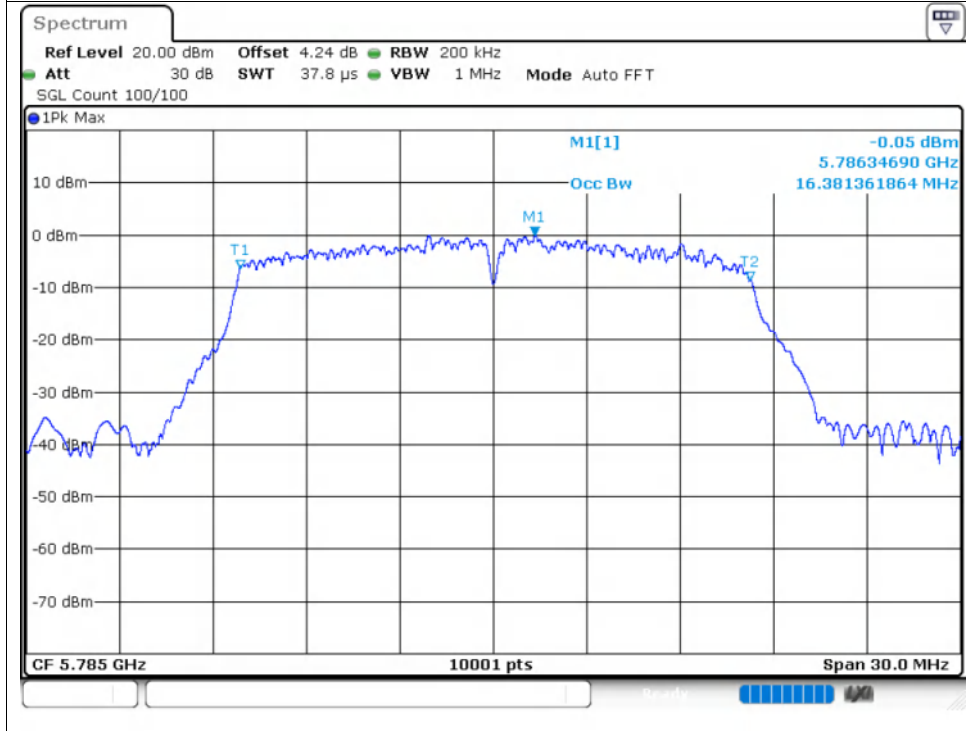
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.348
NVNT	a	5785	Ant1	16.381
NVNT	a	5825	Ant1	16.384
NVNT	n20	5745	Ant1	17.494
NVNT	n20	5785	Ant1	17.509
NVNT	n20	5825	Ant1	17.575
NVNT	n40	5755	Ant1	36.014
NVNT	n40	5795	Ant1	36.044
NVNT	ac20	5745	Ant1	17.533
NVNT	ac20	5785	Ant1	17.611
NVNT	ac20	5825	Ant1	17.578
NVNT	ac40	5755	Ant1	36.008
NVNT	ac40	5795	Ant1	36.002
NVNT	ac80	5775	Ant1	75.028

Test Graphs

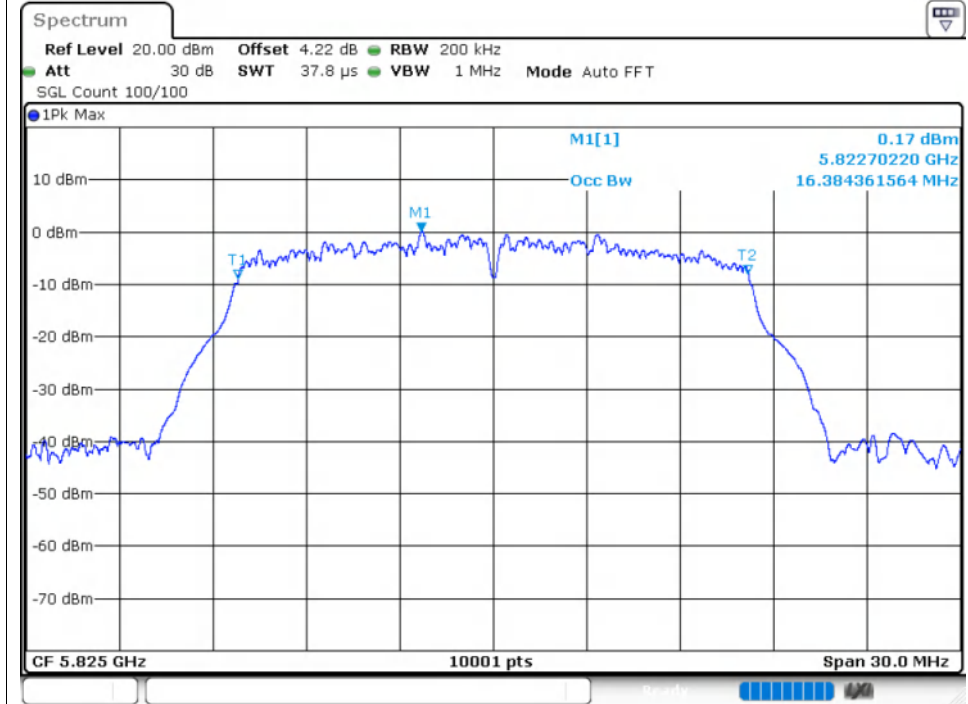
OBW NVNT a 5745MHz Ant1



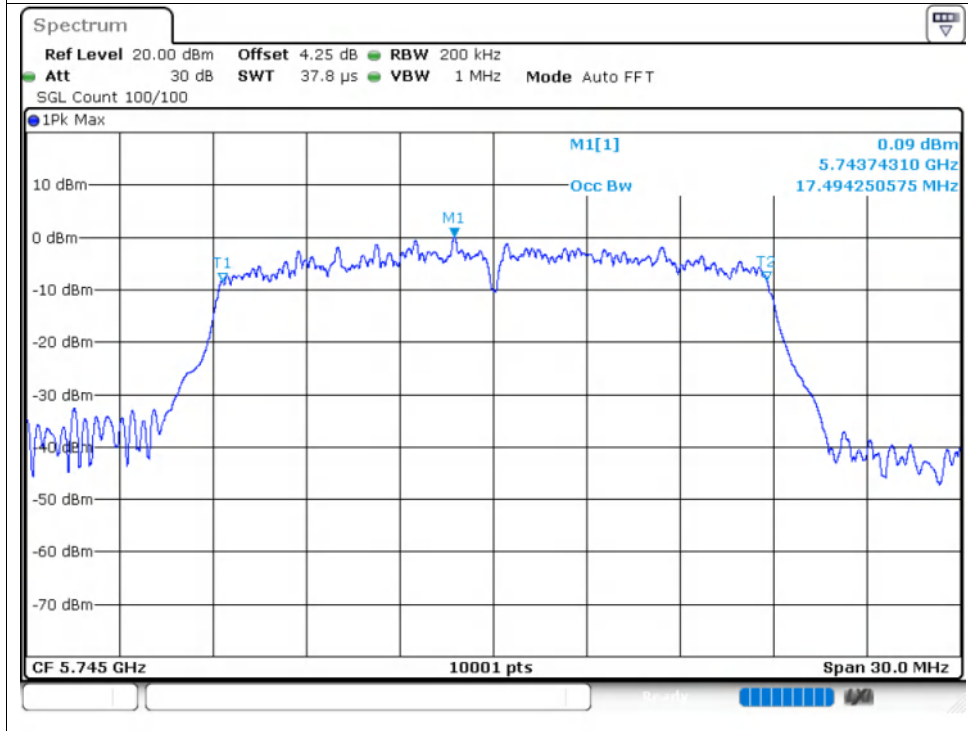
OBW NVNT a 5785MHz Ant1

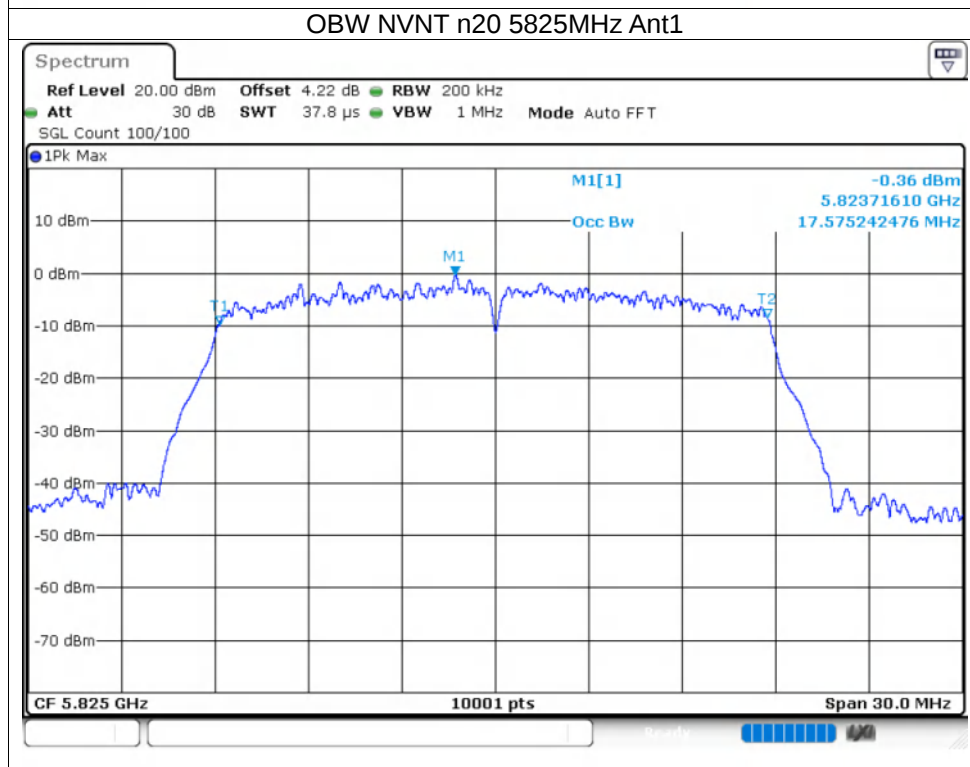
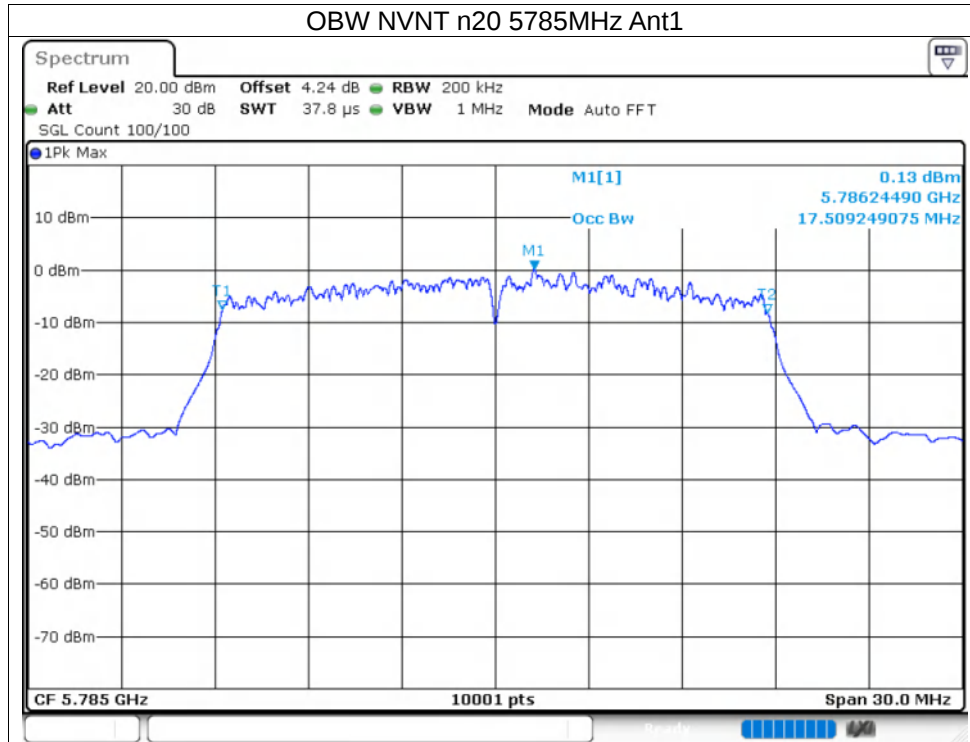


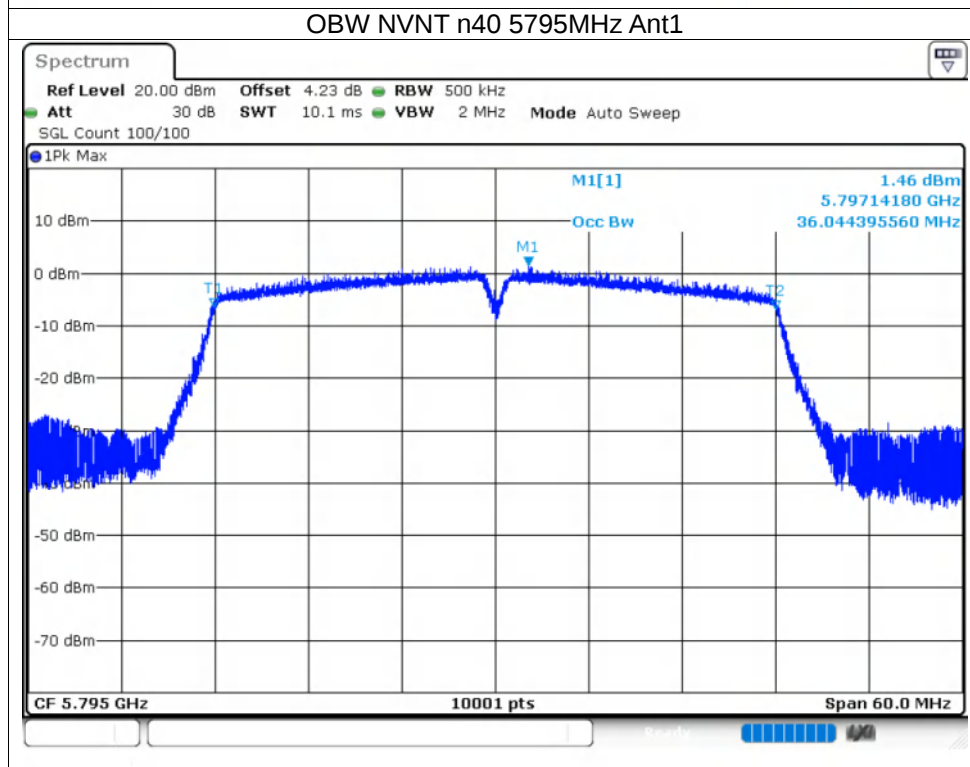
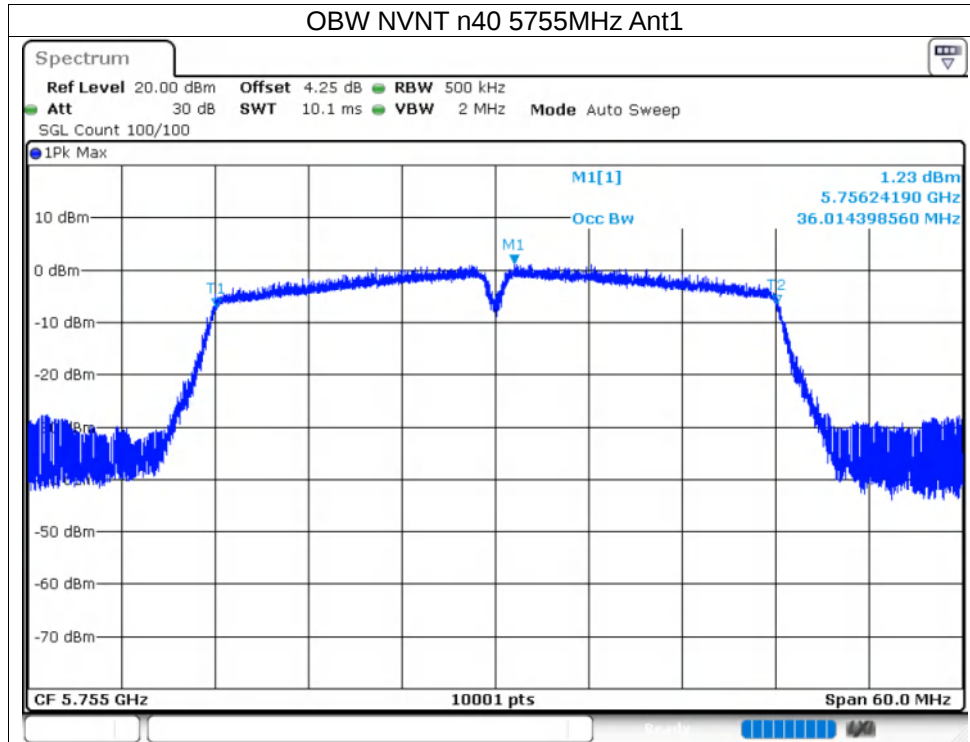
OBW NVNT a 5825MHz Ant1



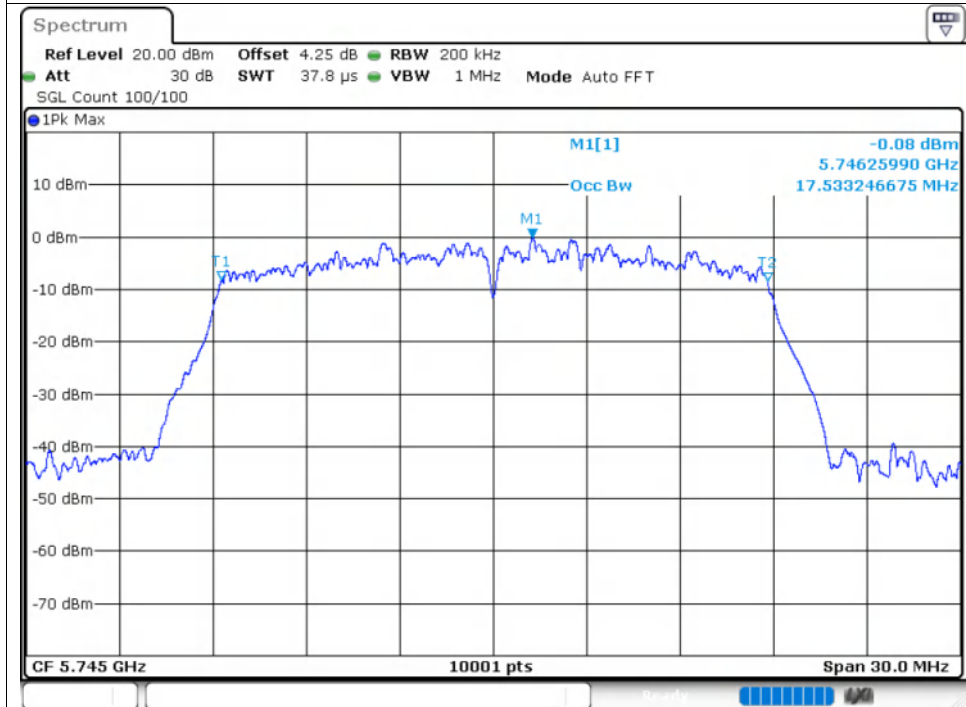
OBW NVNT n20 5745MHz Ant1



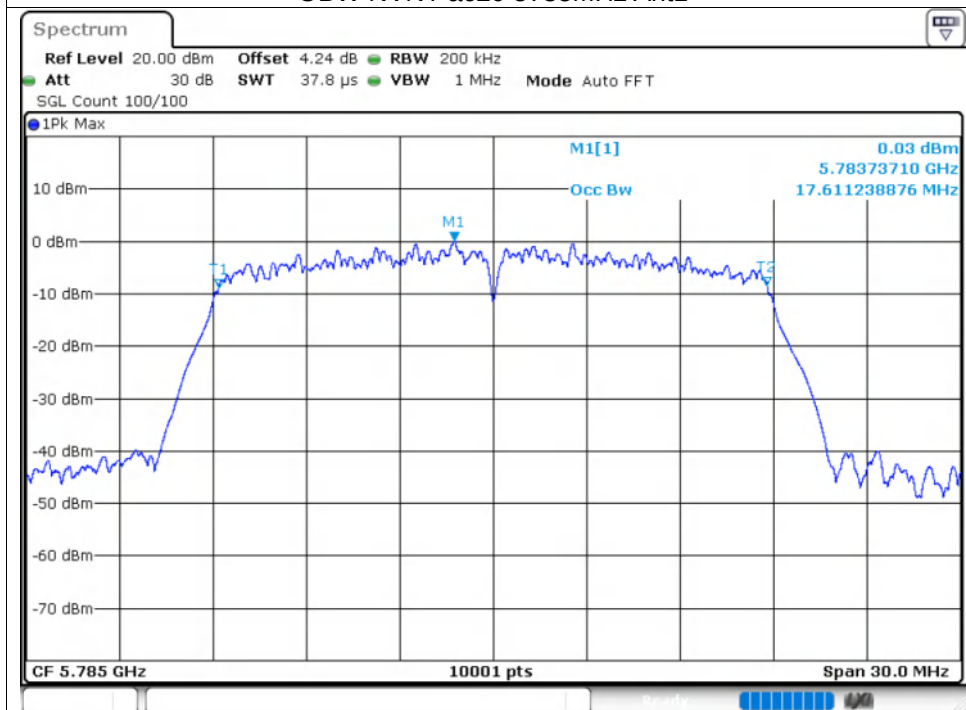


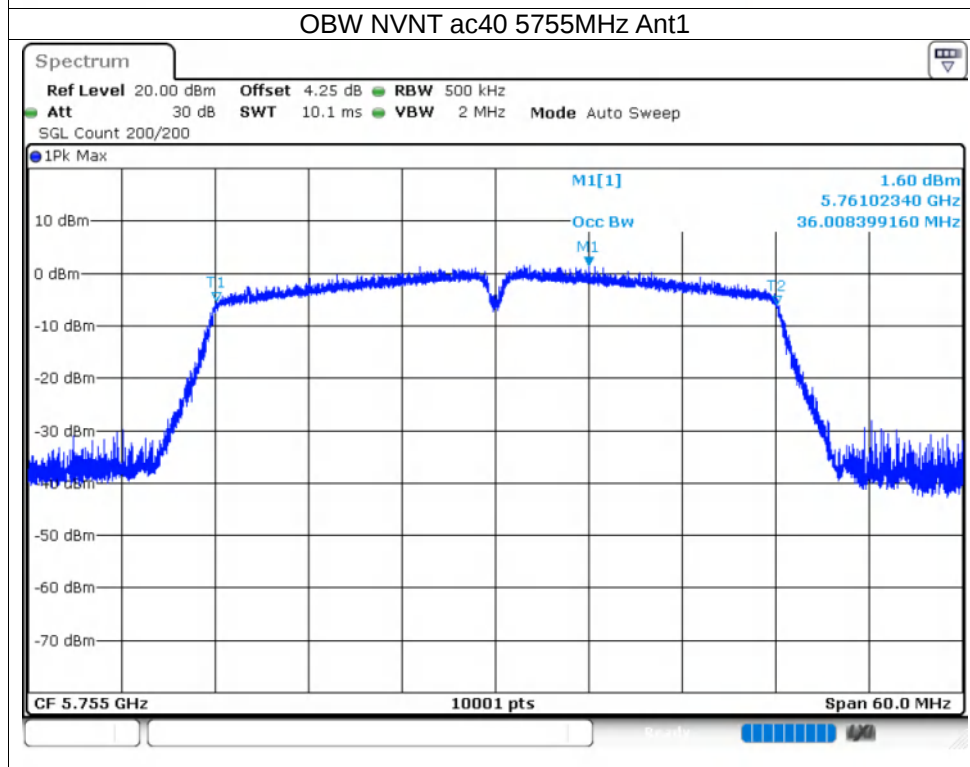
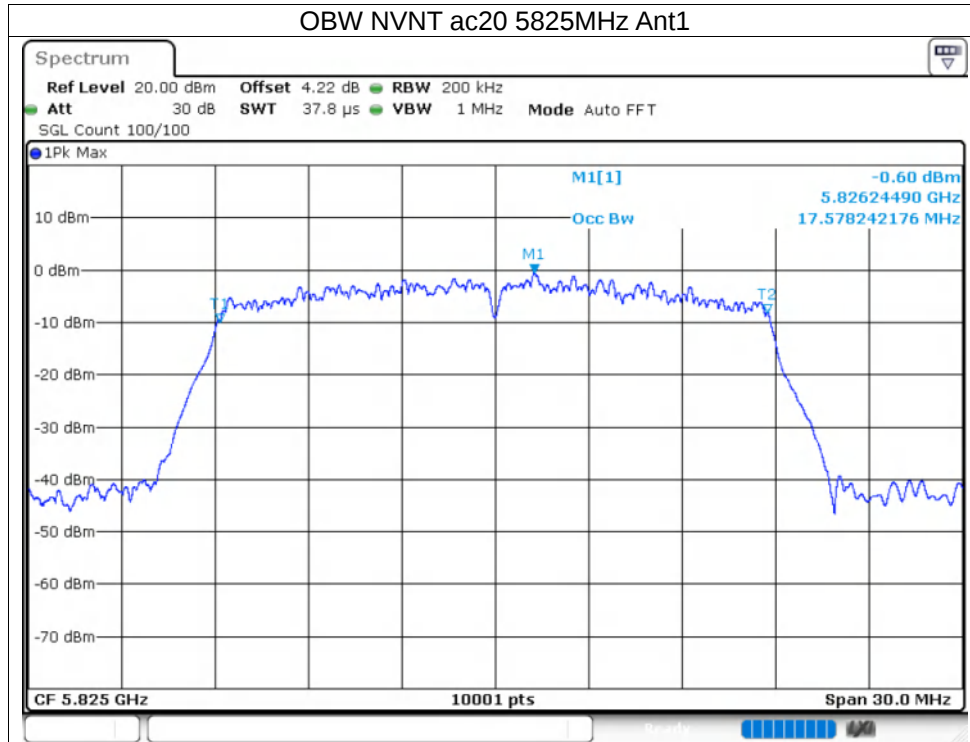


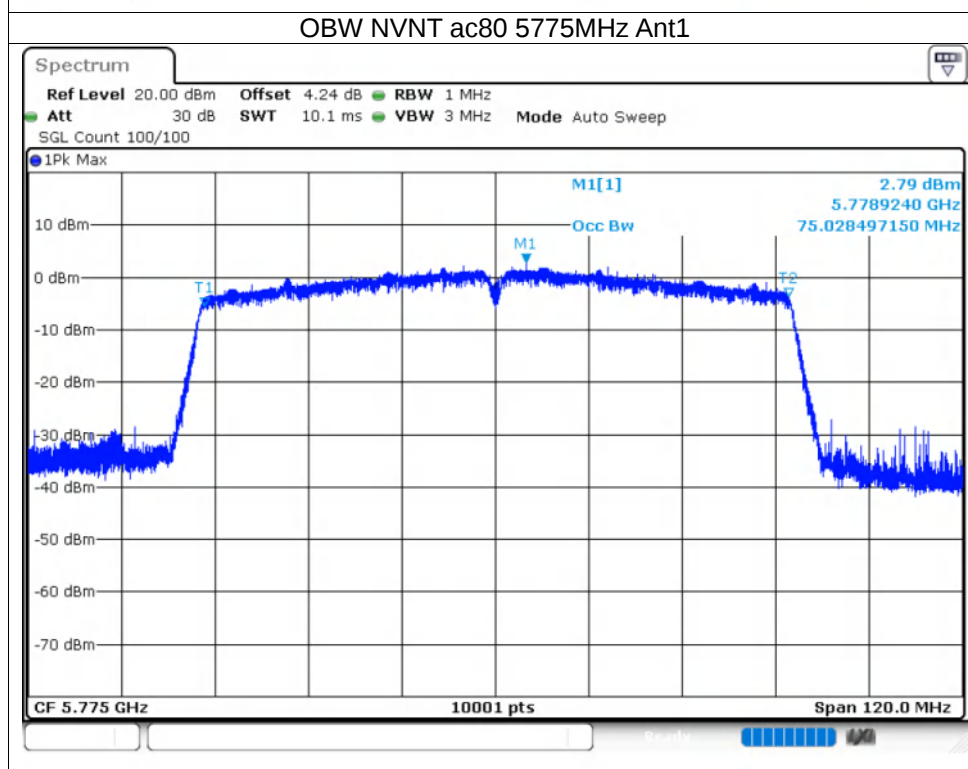
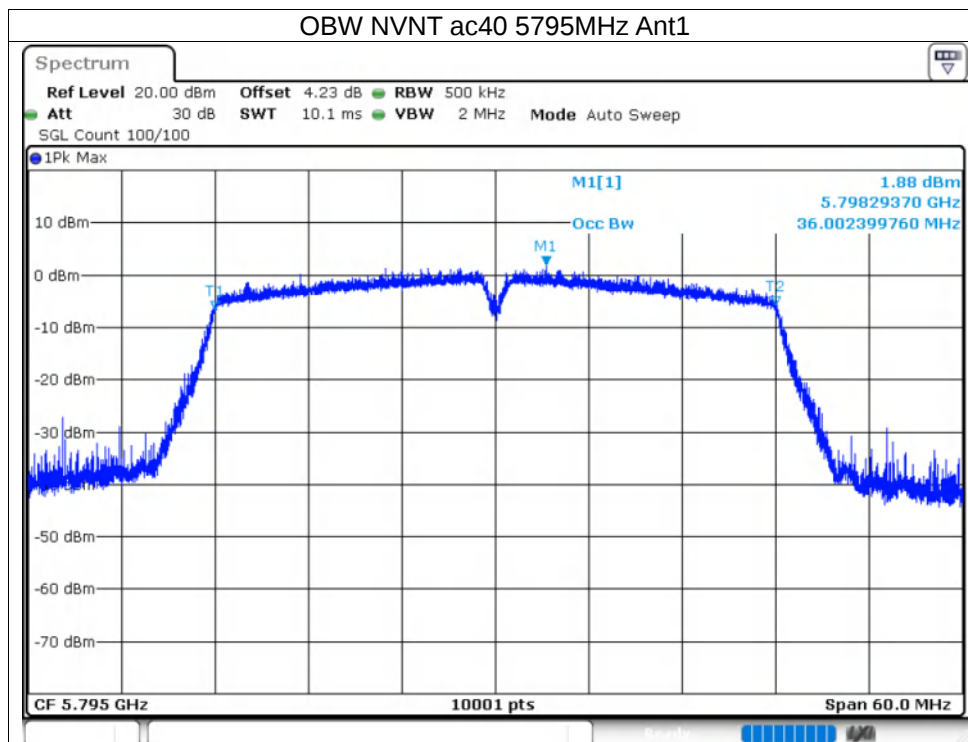
OBW NVNT ac20 5745MHz Ant1



OBW NVNT ac20 5785MHz Ant1





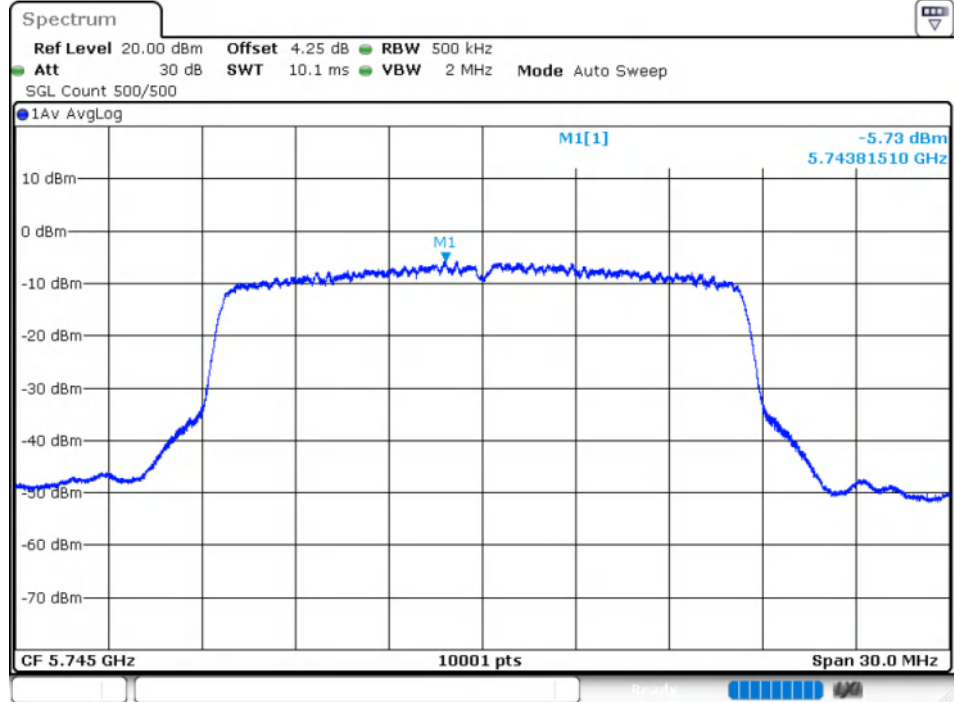


5.2.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

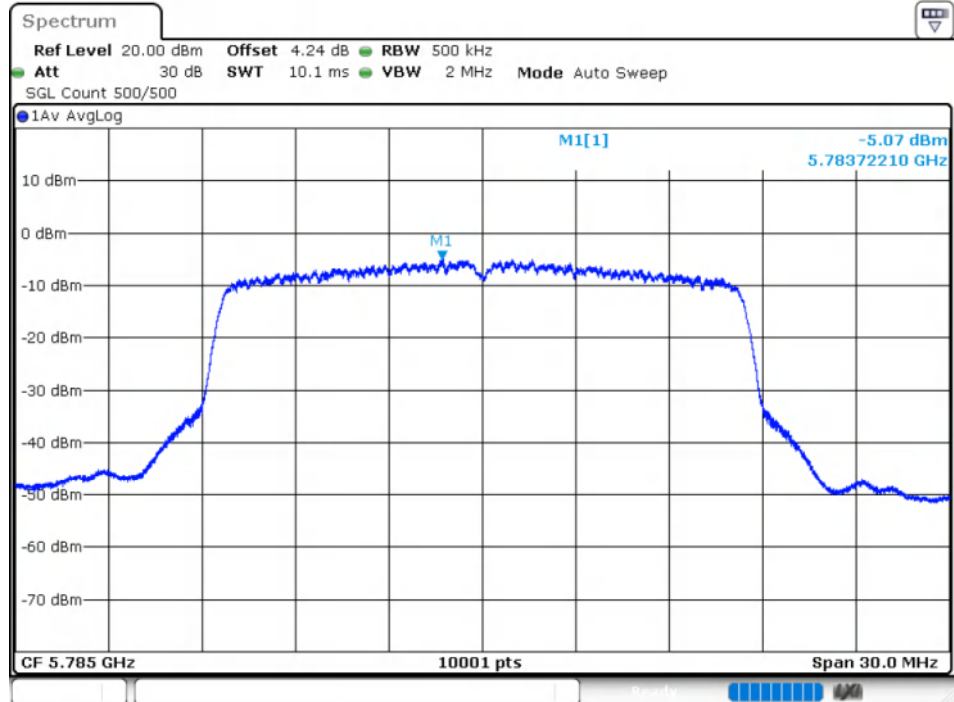
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-5.73	0.11	-5.62	30	Pass
NVNT	a	5785	Ant1	-5.07	0.11	-4.96	30	Pass
NVNT	a	5825	Ant1	-6.13	0.11	-6.02	30	Pass
NVNT	n20	5745	Ant1	-6.41	0.11	-6.3	30	Pass
NVNT	n20	5785	Ant1	-6.09	0.11	-5.98	30	Pass
NVNT	n20	5825	Ant1	-6.59	0.11	-6.48	30	Pass
NVNT	n40	5755	Ant1	-10.42	0.22	-10.2	30	Pass
NVNT	n40	5795	Ant1	-9.91	0.22	-9.69	30	Pass
NVNT	ac20	5745	Ant1	-6.46	0.11	-6.35	30	Pass
NVNT	ac20	5785	Ant1	-6.17	0.11	-6.06	30	Pass
NVNT	ac20	5825	Ant1	-6.46	0.11	-6.35	30	Pass
NVNT	ac40	5755	Ant1	-10.55	0.22	-10.33	30	Pass
NVNT	ac40	5795	Ant1	-10.6	0.22	-10.38	30	Pass
NVNT	ac80	5775	Ant1	-14.69	0.42	-14.27	30	Pass

Test Graphs

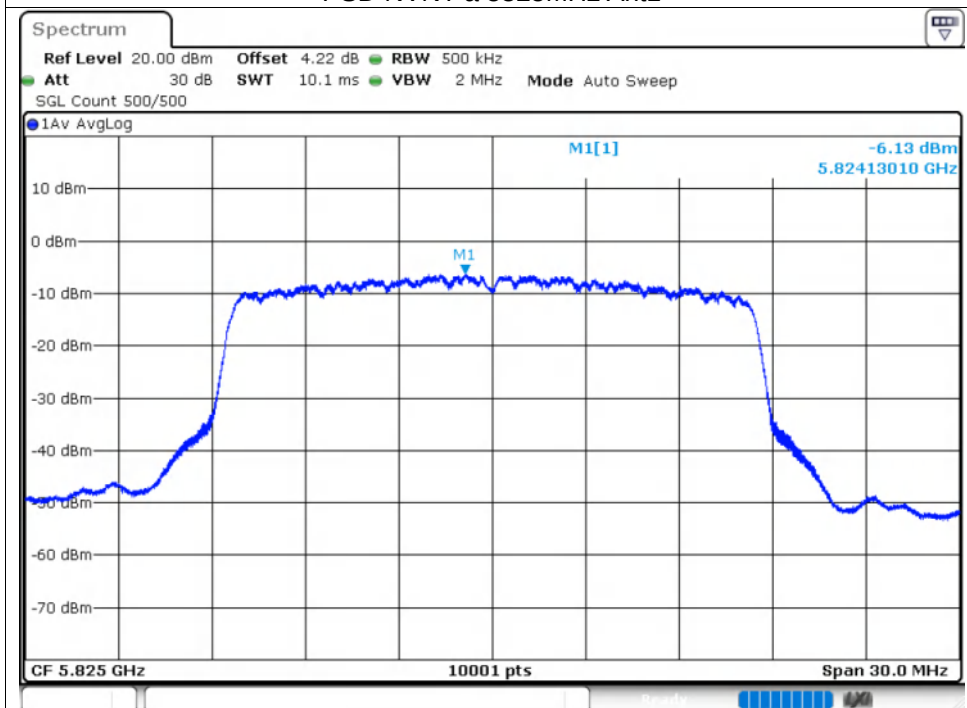
PSD NVNT a 5745MHz Ant1



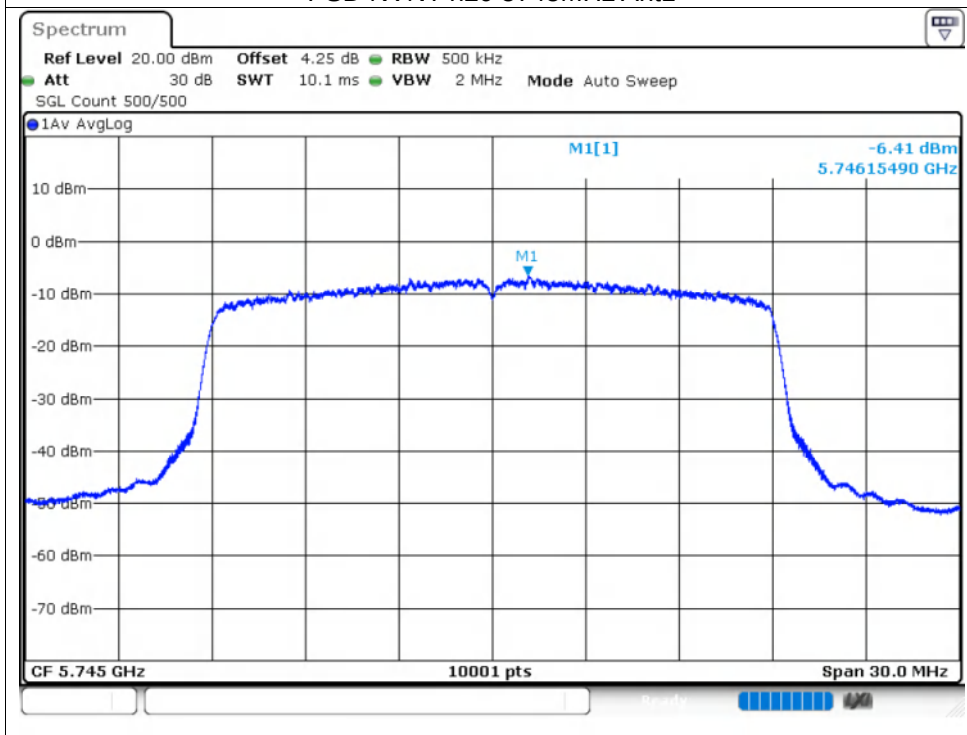
PSD NVNT a 5785MHz Ant1



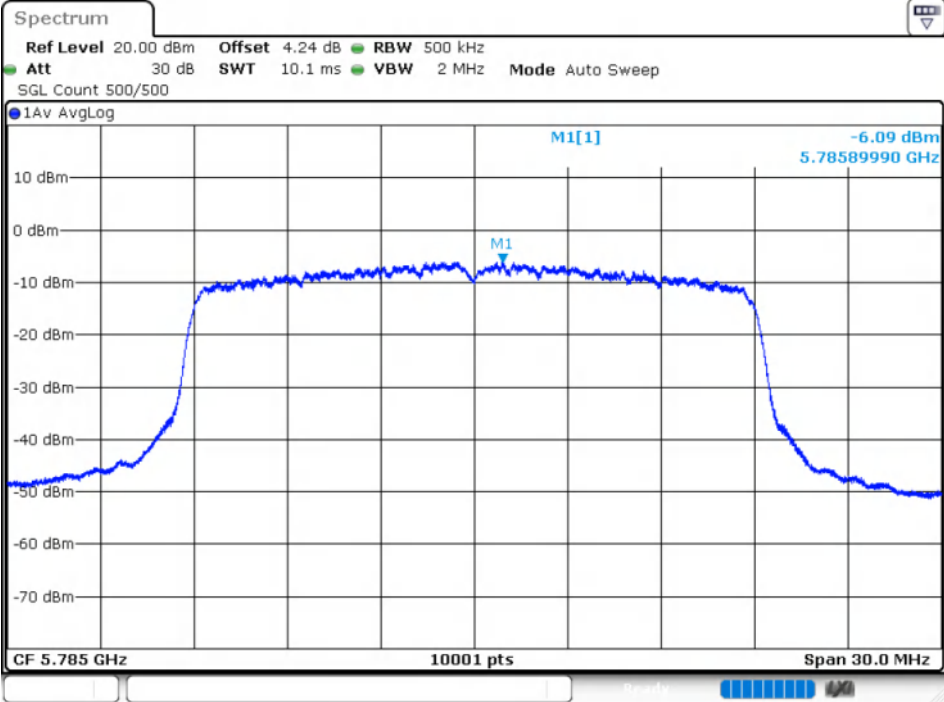
PSD NVNT a 5825MHz Ant1



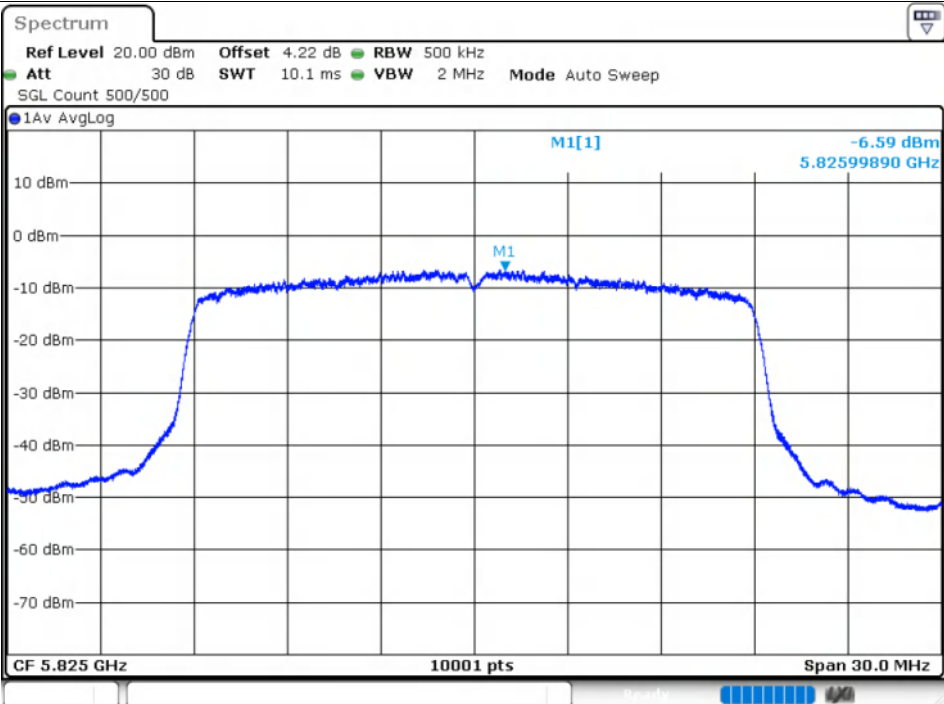
PSD NVNT n20 5745MHz Ant1



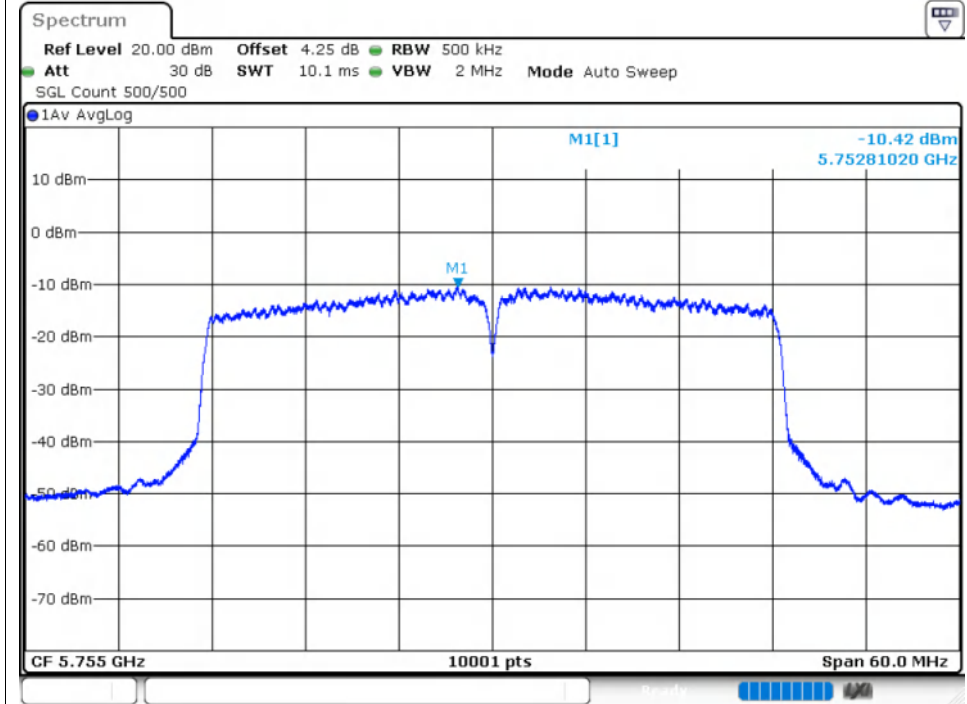
PSD NVNT n20 5785MHz Ant1



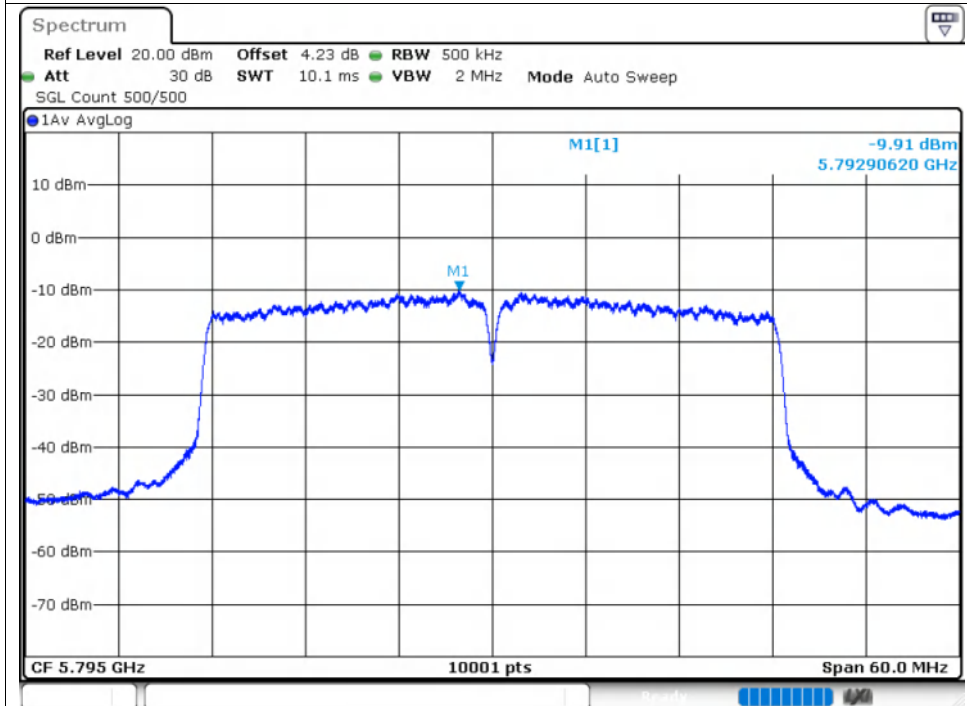
PSD NVNT n20 5825MHz Ant1

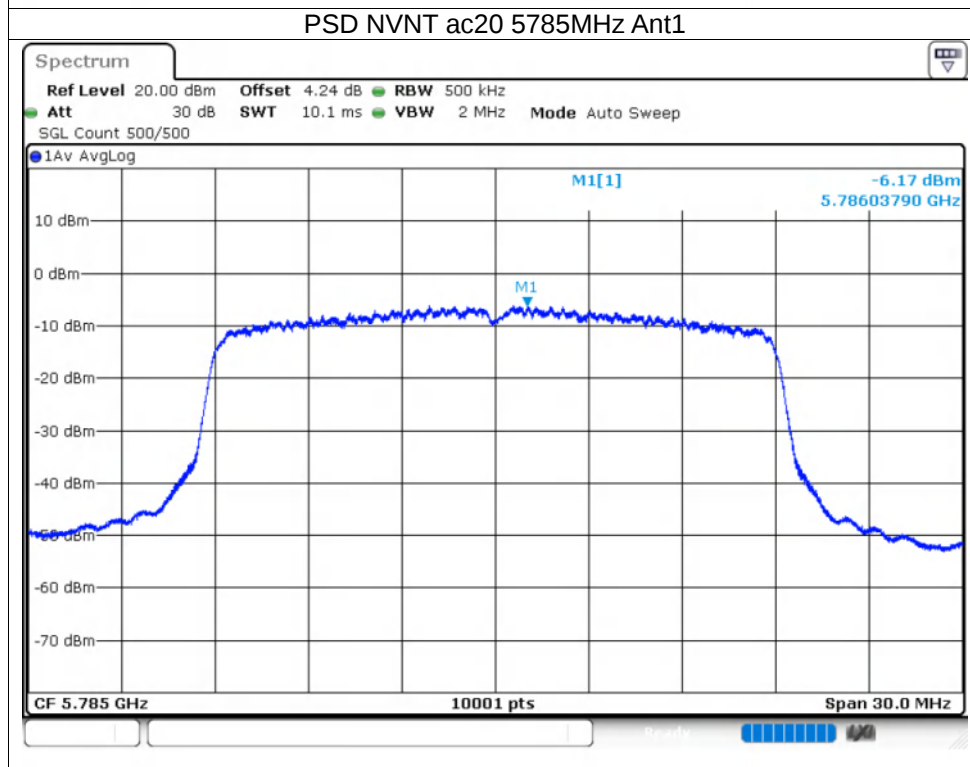
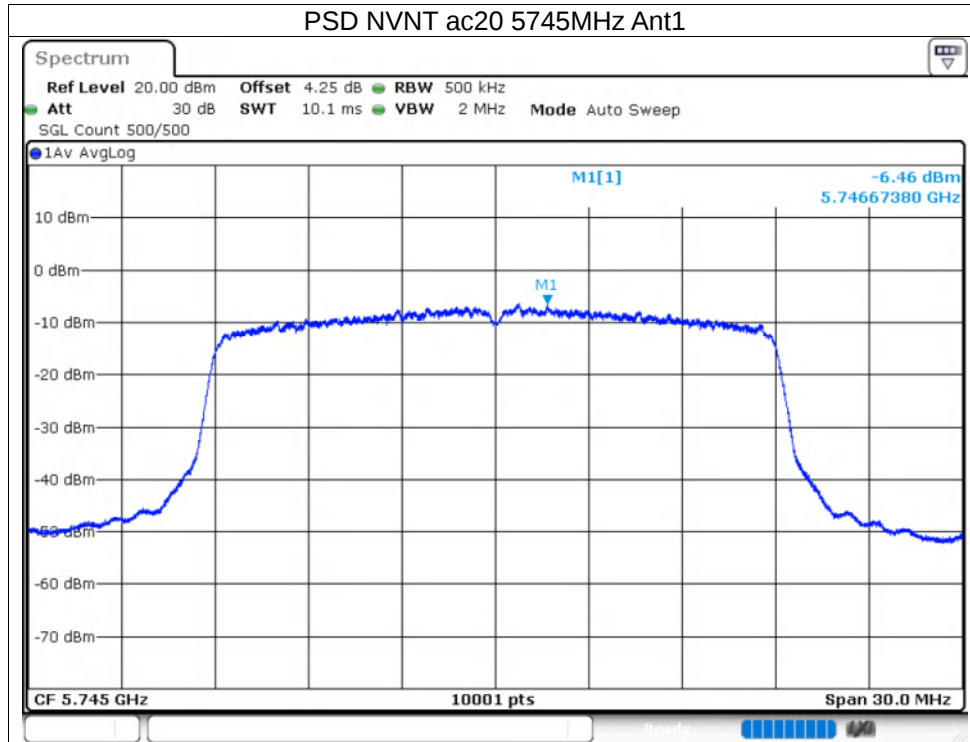


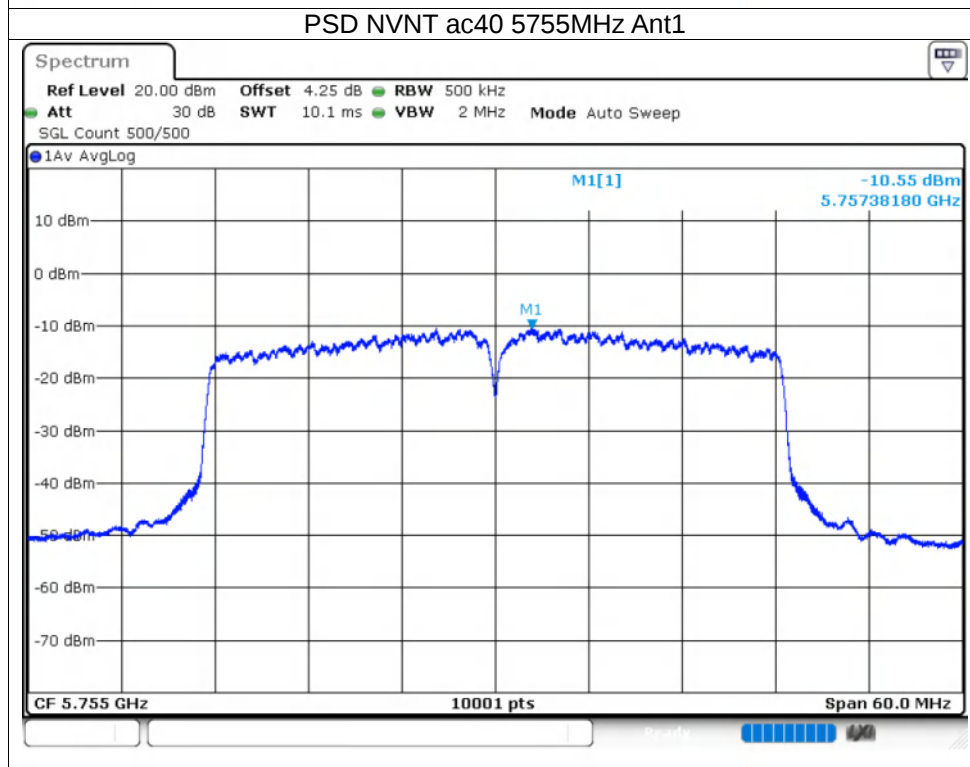
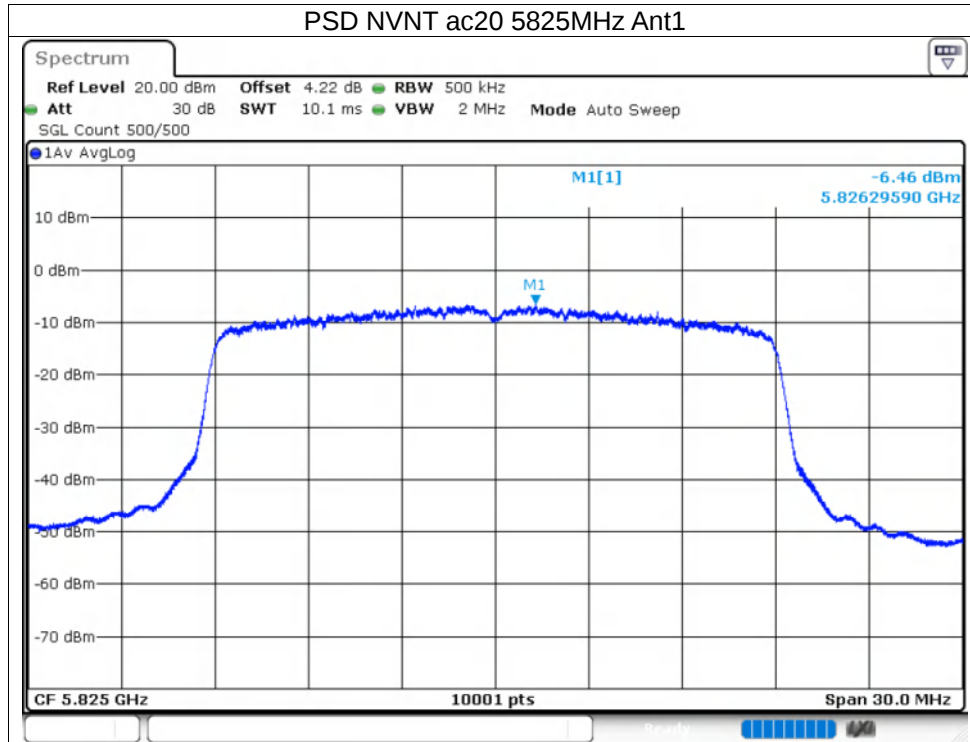
PSD NVNT n40 5755MHz Ant1

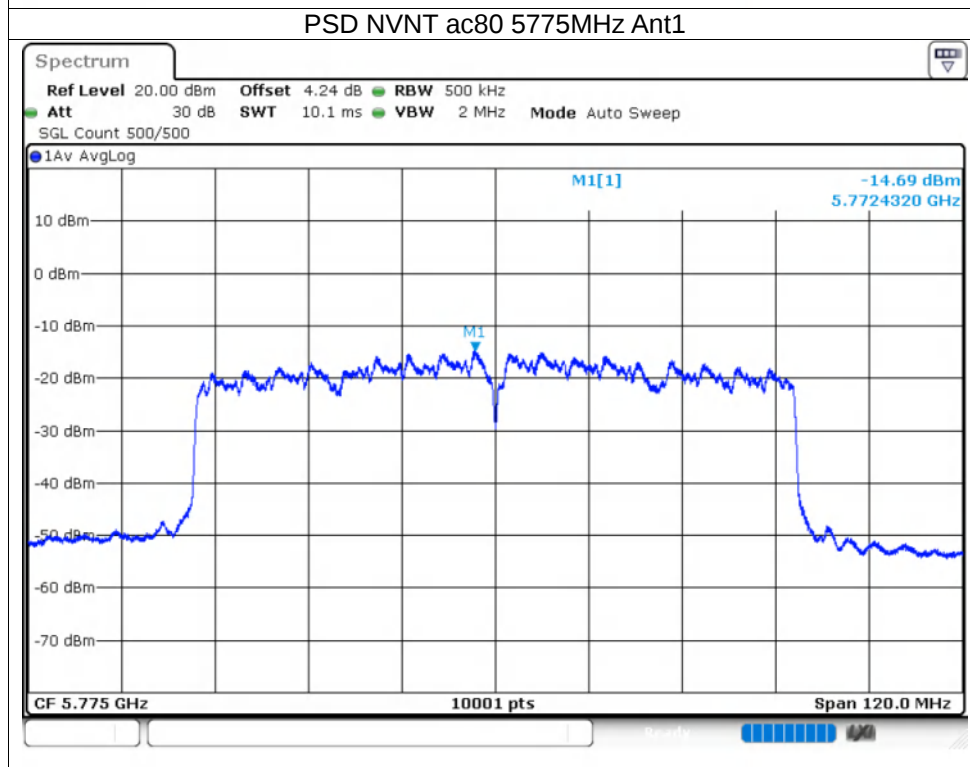
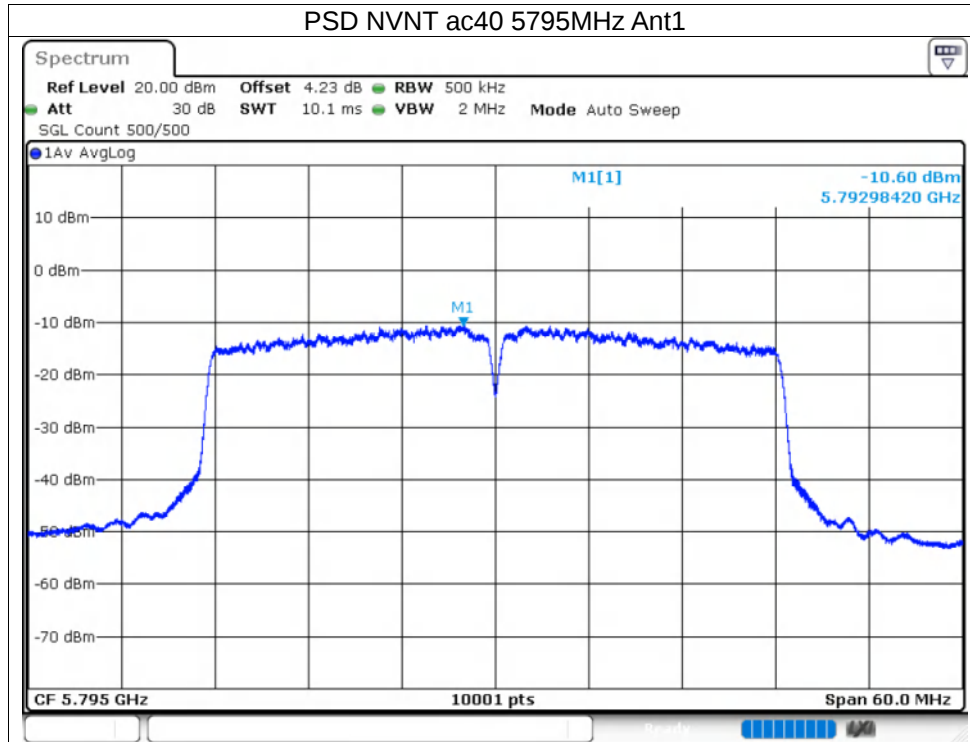


PSD NVNT n40 5795MHz Ant1







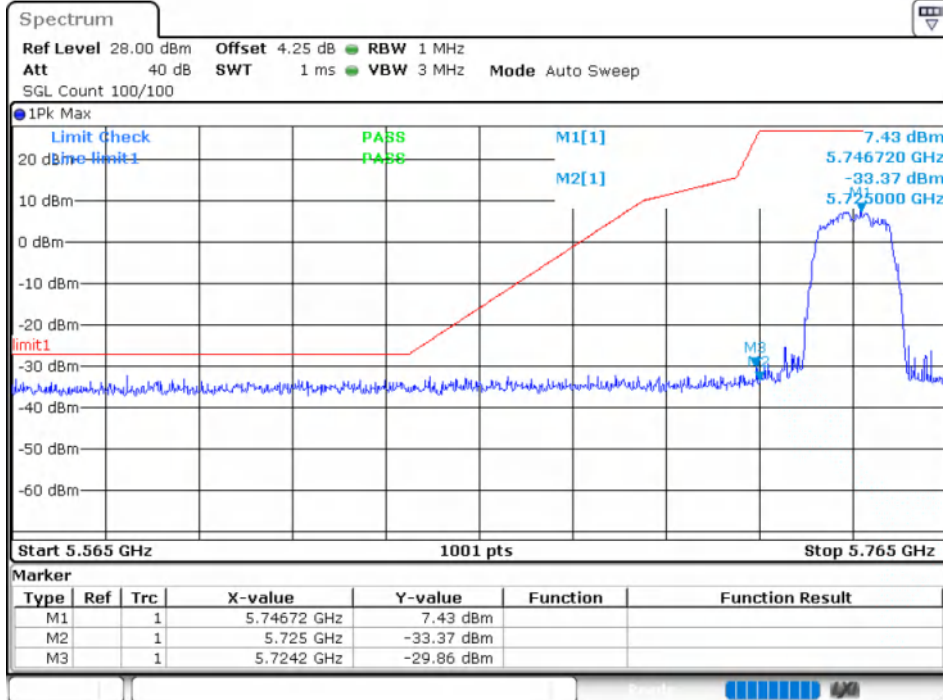


5.2.6 BAND EDGE

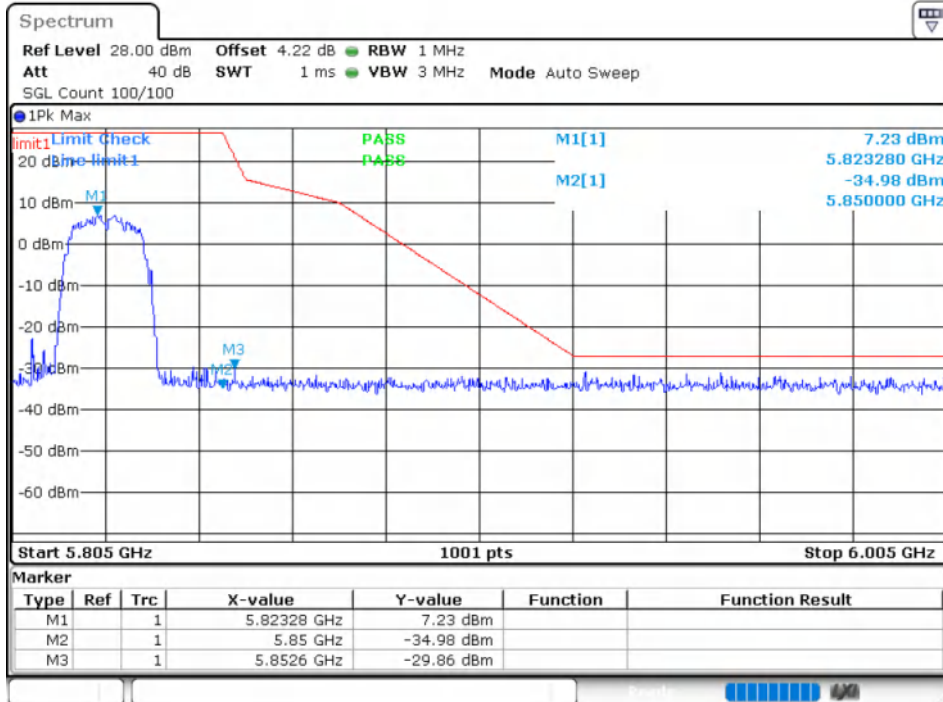
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-29.86	Pass
NVNT	a	5825	Ant1	-29.86	Pass
NVNT	n20	5745	Ant1	-26.53	Pass
NVNT	n20	5825	Ant1	-29.32	Pass
NVNT	n40	5755	Ant1	-23.07	Pass
NVNT	n40	5795	Ant1	-31.08	Pass
NVNT	ac20	5745	Ant1	-31.86	Pass
NVNT	ac20	5825	Ant1	-31.11	Pass
NVNT	ac40	5755	Ant1	-30.61	Pass
NVNT	ac40	5795	Ant1	-30.69	Pass
NVNT	ac80	5775	Ant1	-31.02	Pass

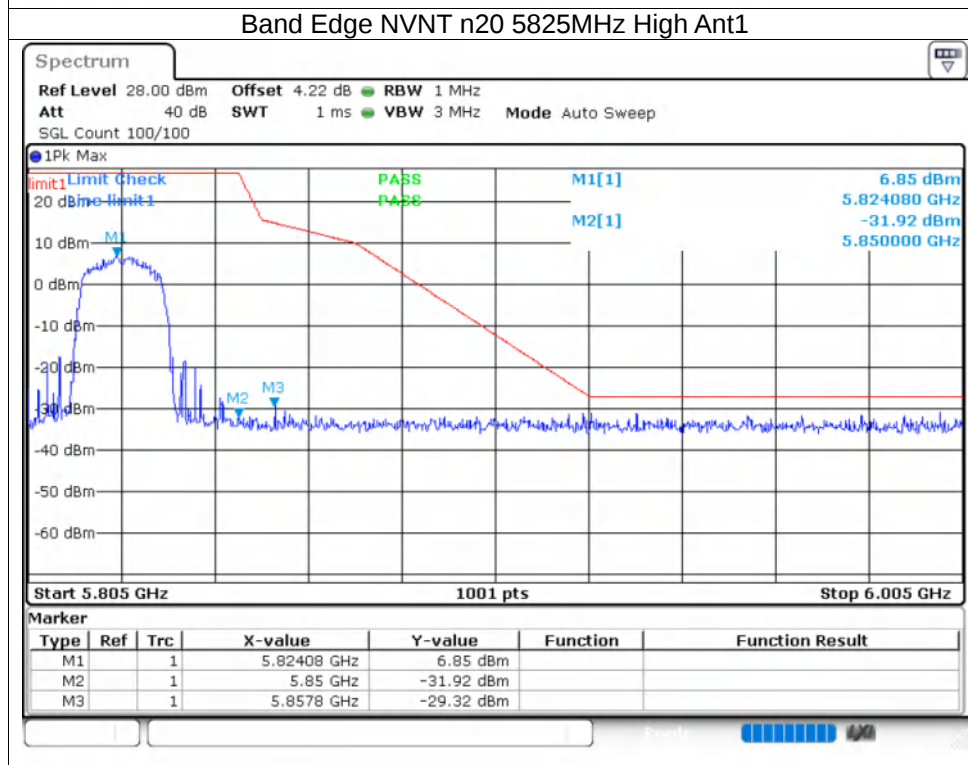
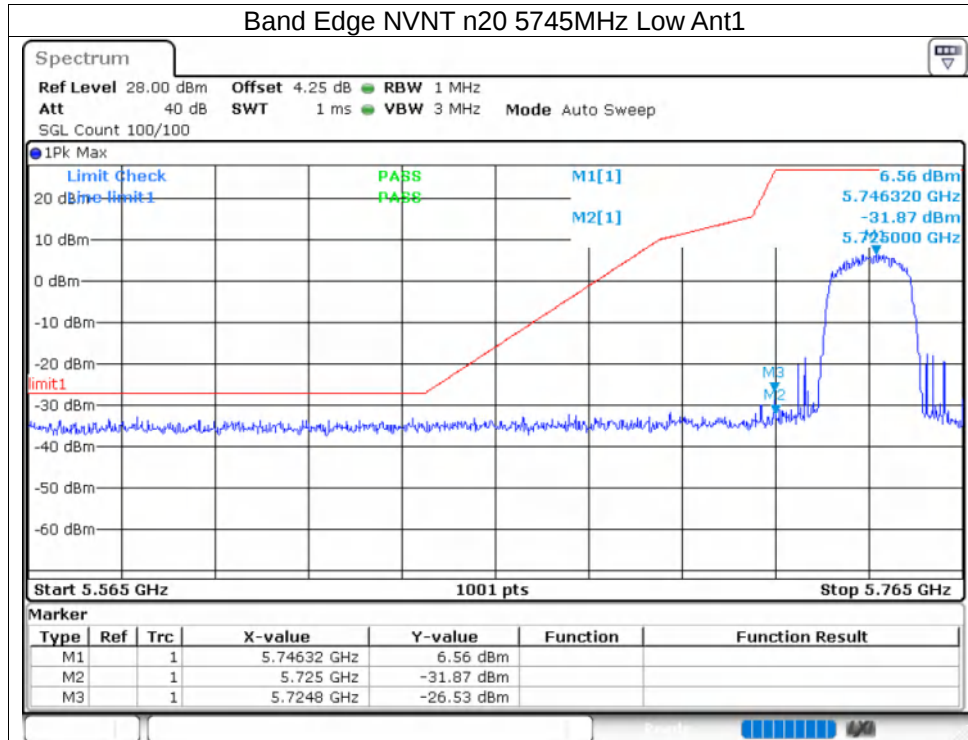
Test Graphs

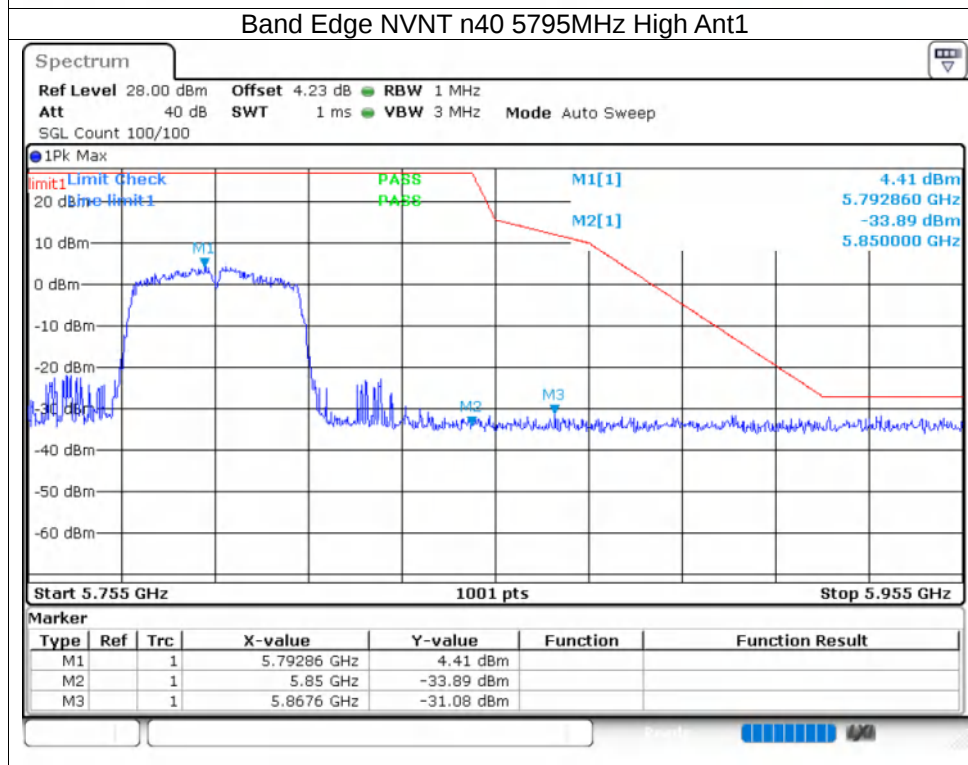
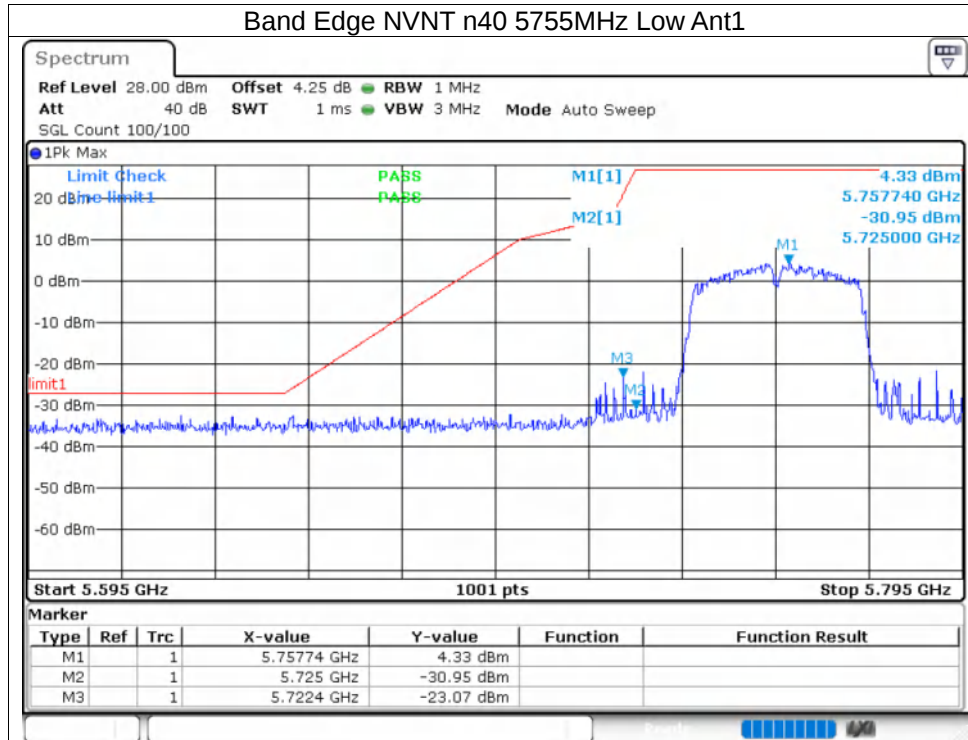
Band Edge NVNT a 5745MHz Low Ant1



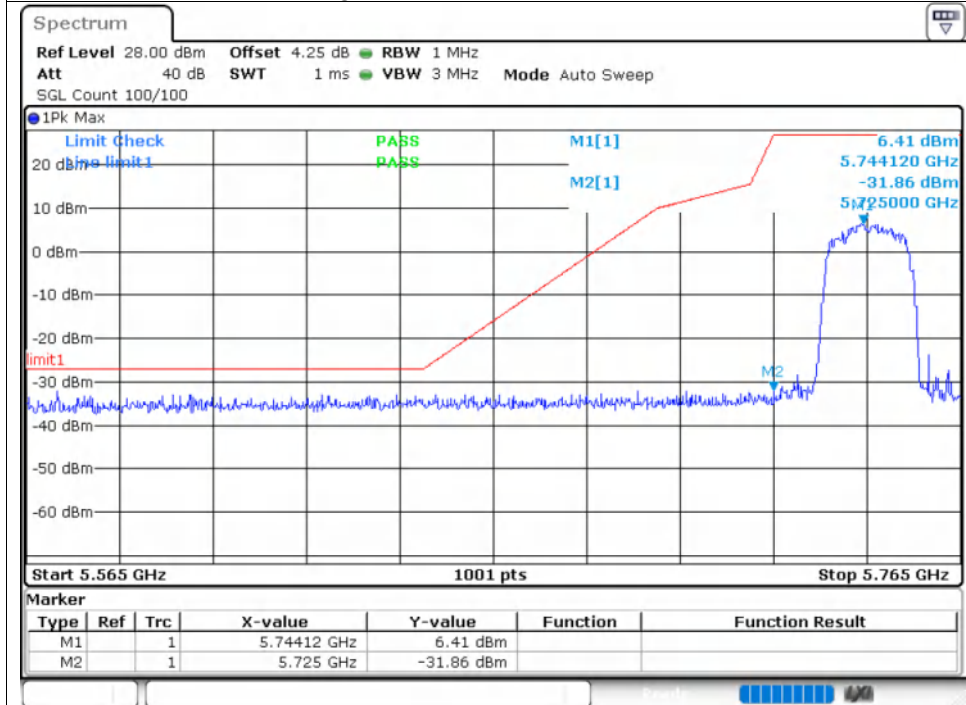
Band Edge NVNT a 5825MHz High Ant1



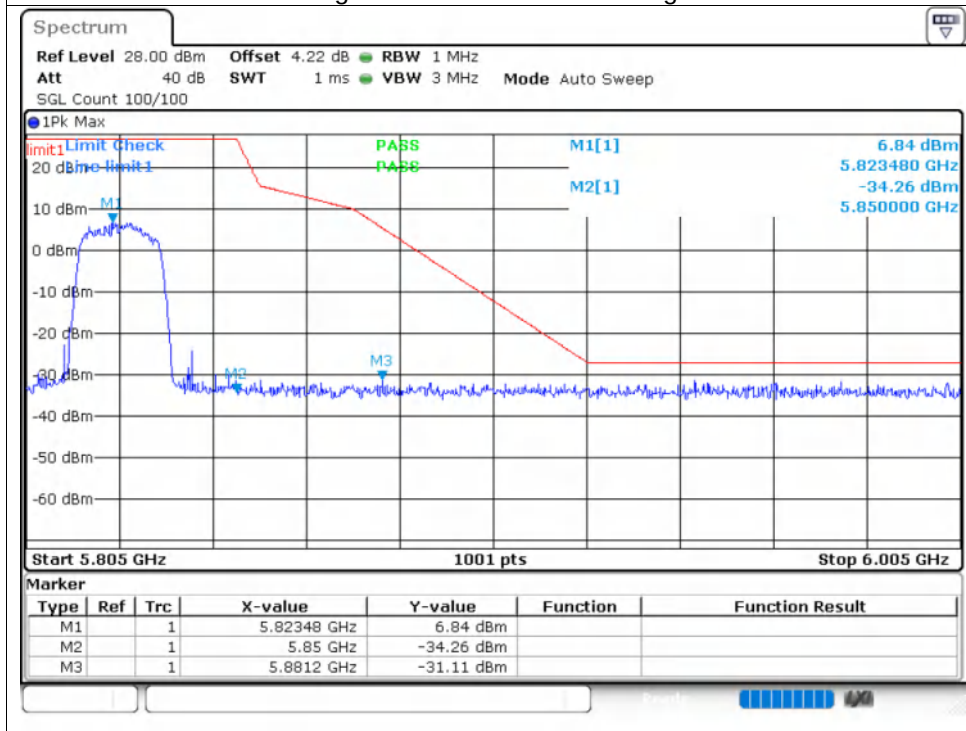




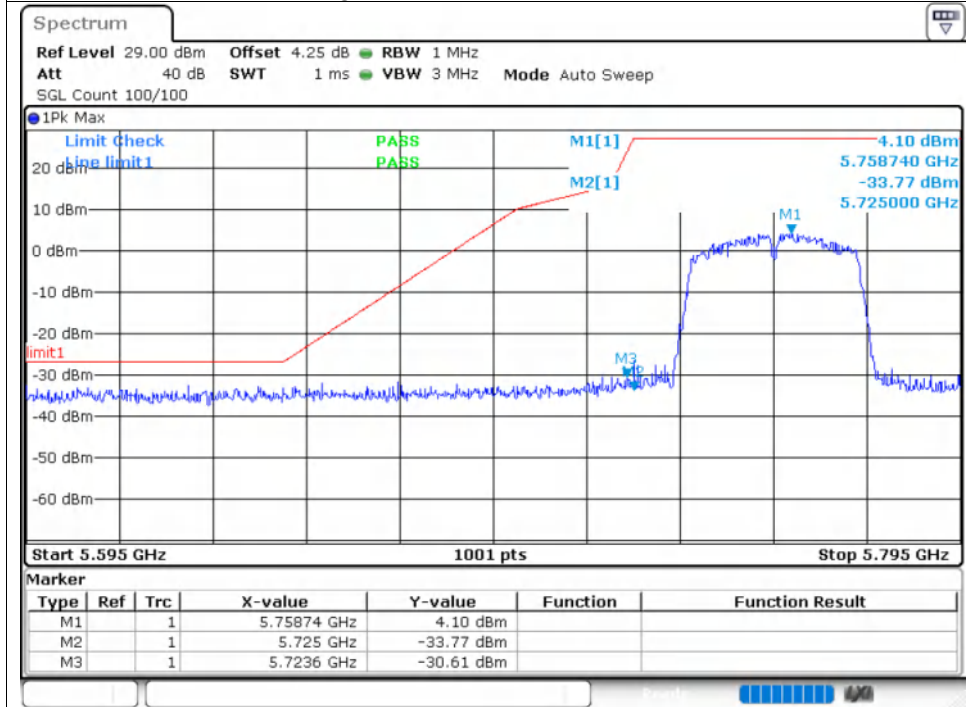
Band Edge NVNT ac20 5745MHz Low Ant1



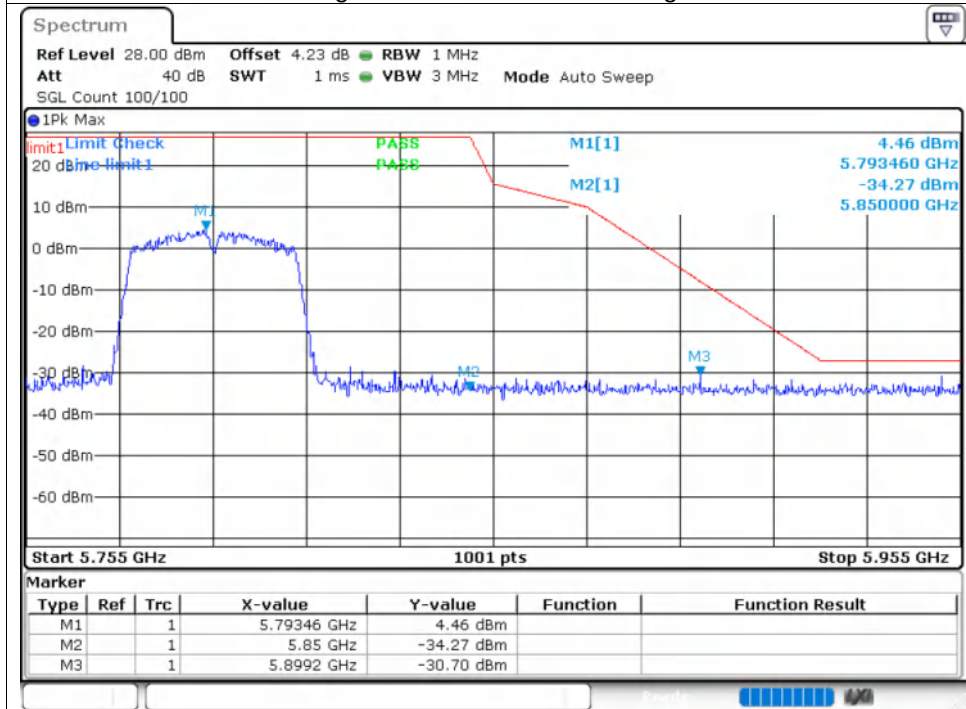
Band Edge NVNT ac20 5825MHz High Ant1

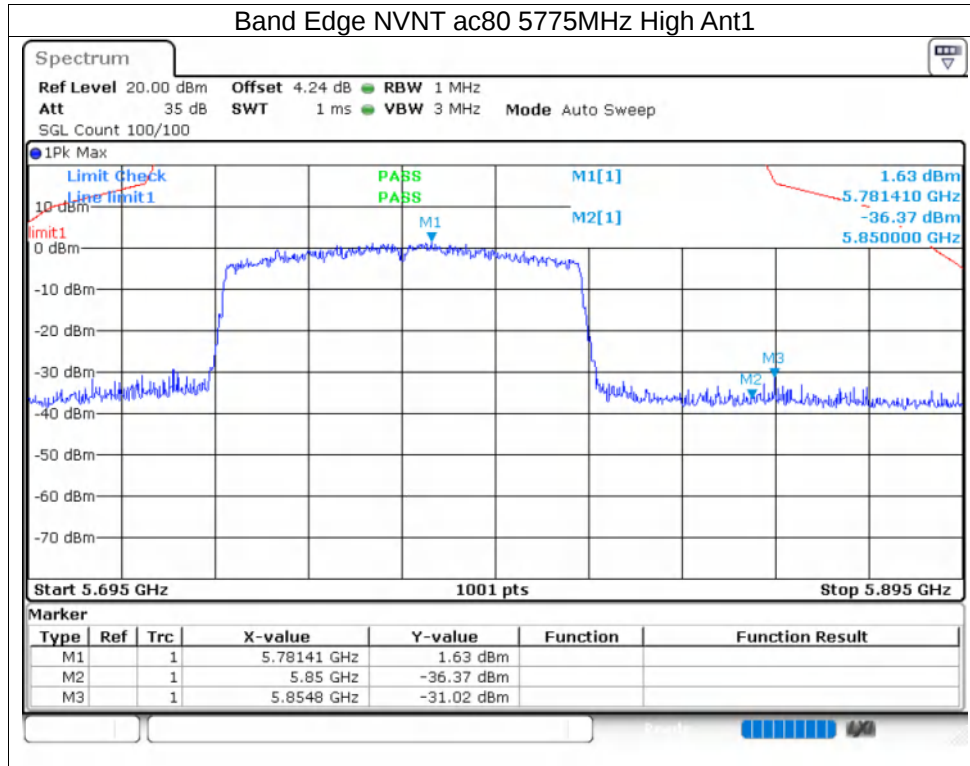


Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



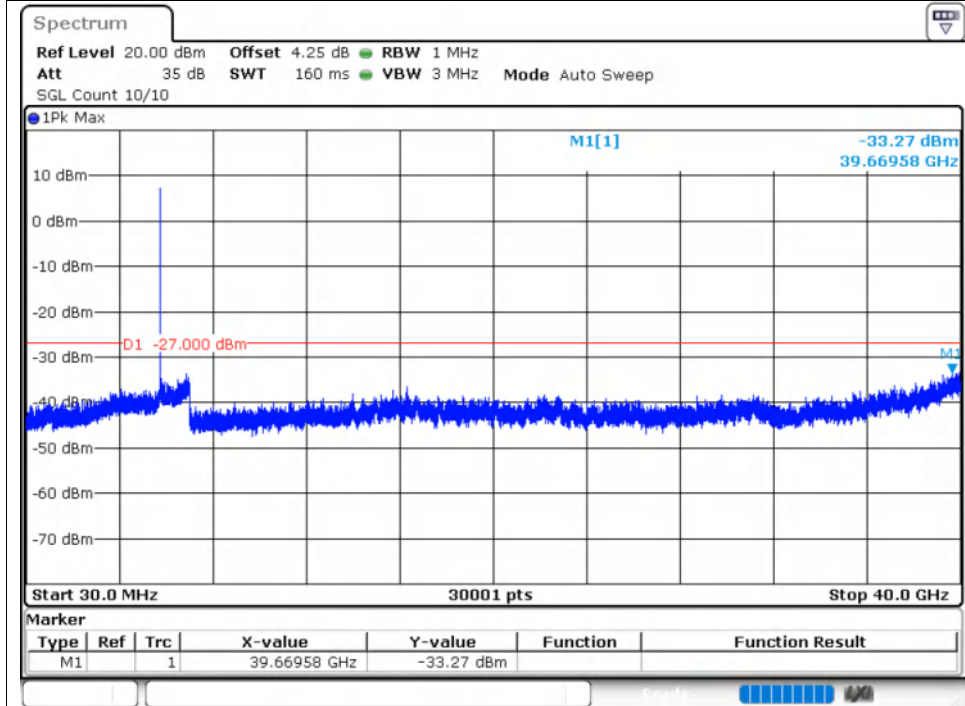


5.2.7 CONDUCTED RF SPURIOUS EMISSION

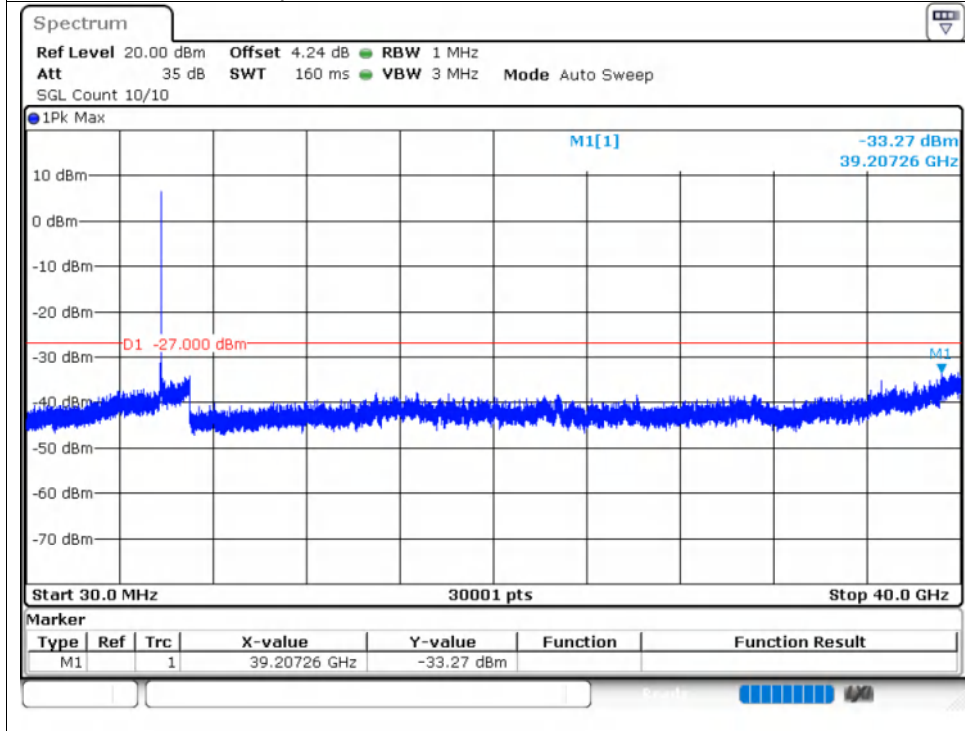
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-33.27	-27	Pass
NVNT	a	5785	Ant1	-33.27	-27	Pass
NVNT	a	5825	Ant1	-33.55	-27	Pass
NVNT	n20	5745	Ant1	-33.3	-27	Pass
NVNT	n20	5785	Ant1	-33.64	-27	Pass
NVNT	n20	5825	Ant1	-33.17	-27	Pass
NVNT	n40	5755	Ant1	-32.02	-27	Pass
NVNT	n40	5795	Ant1	-32.72	-27	Pass
NVNT	ac20	5745	Ant1	-32.11	-27	Pass
NVNT	ac20	5785	Ant1	-32.35	-27	Pass
NVNT	ac20	5825	Ant1	-33.14	-27	Pass
NVNT	ac40	5755	Ant1	-33	-27	Pass
NVNT	ac40	5795	Ant1	-32.16	-27	Pass
NVNT	ac80	5775	Ant1	-31.17	-27	Pass

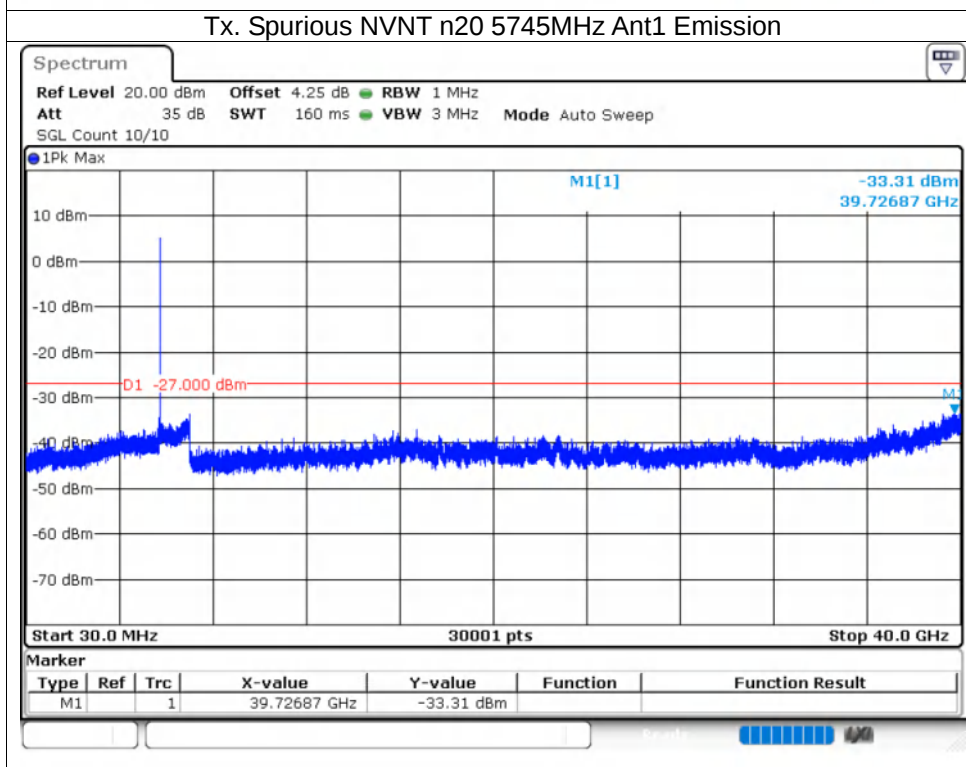
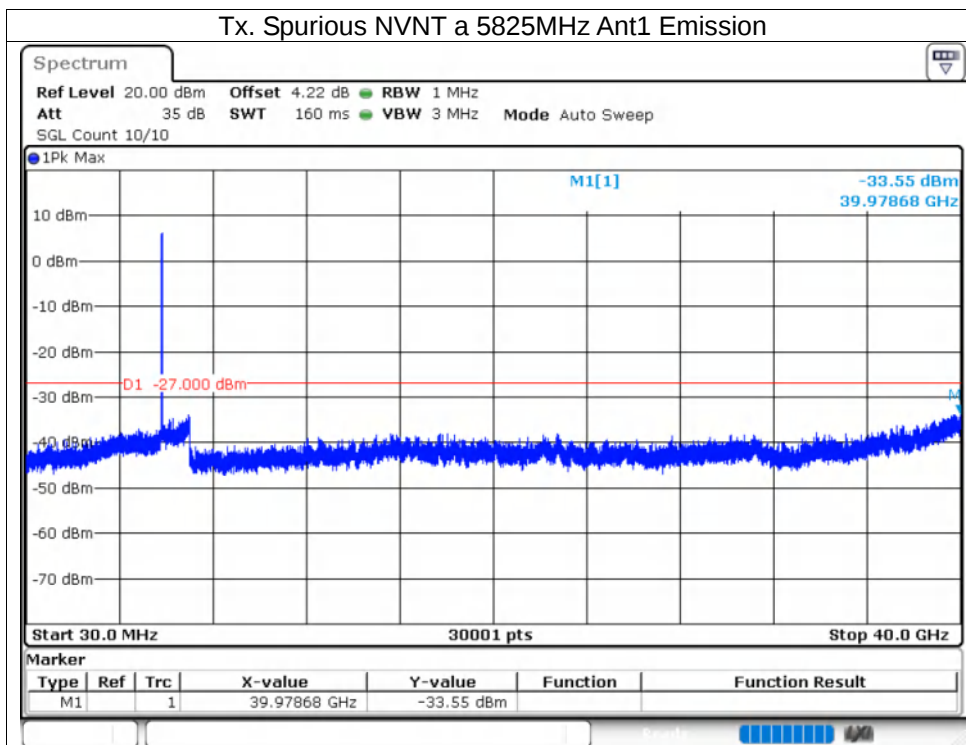
Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission

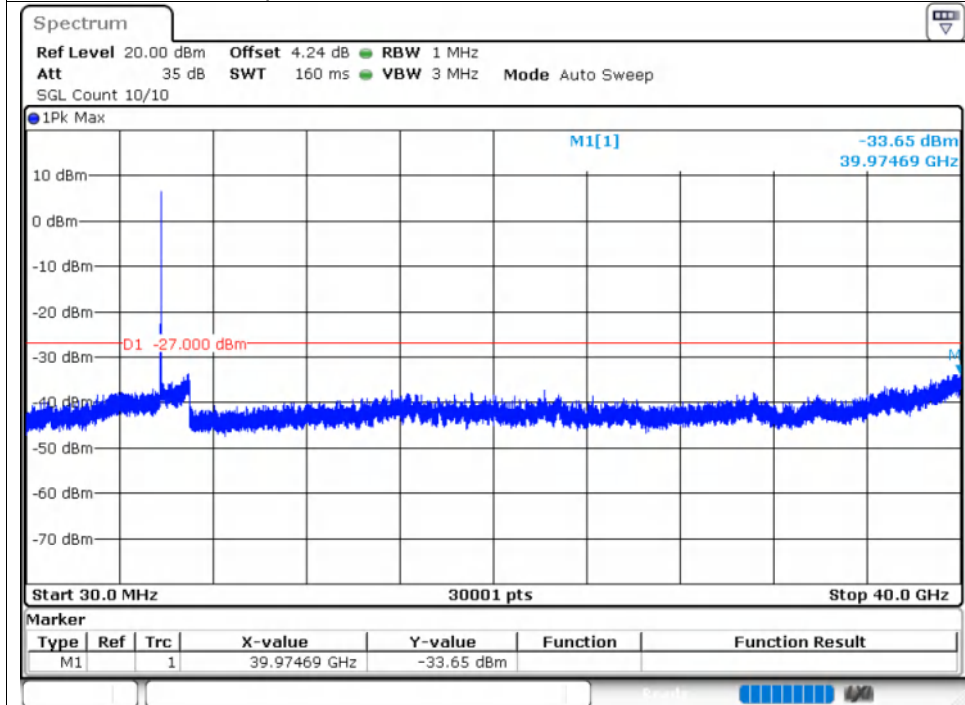


Tx. Spurious NVNT a 5785MHz Ant1 Emission

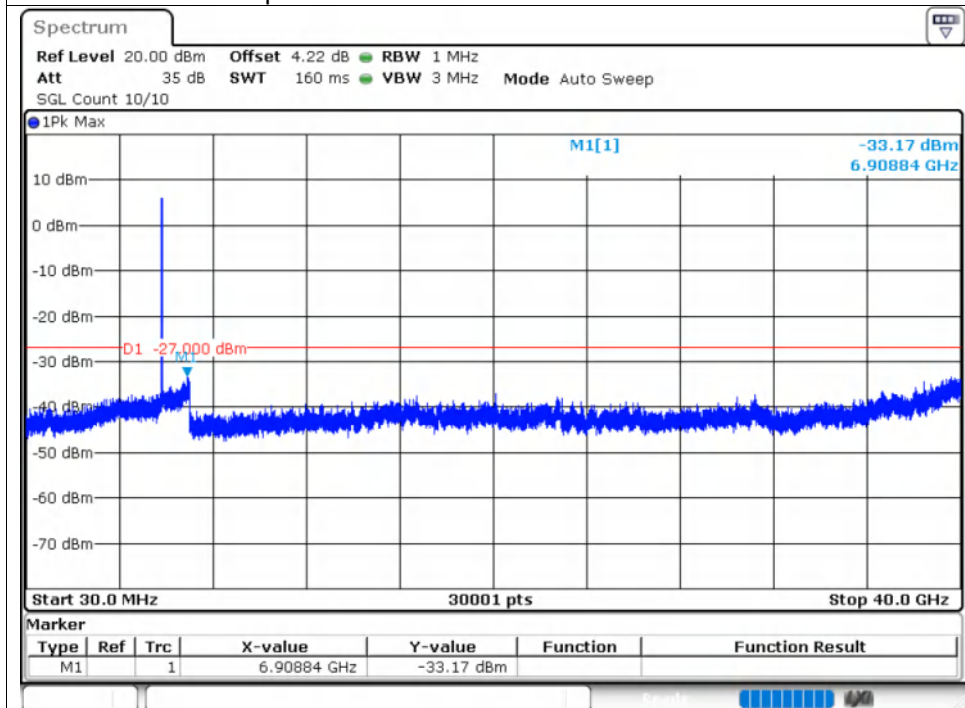




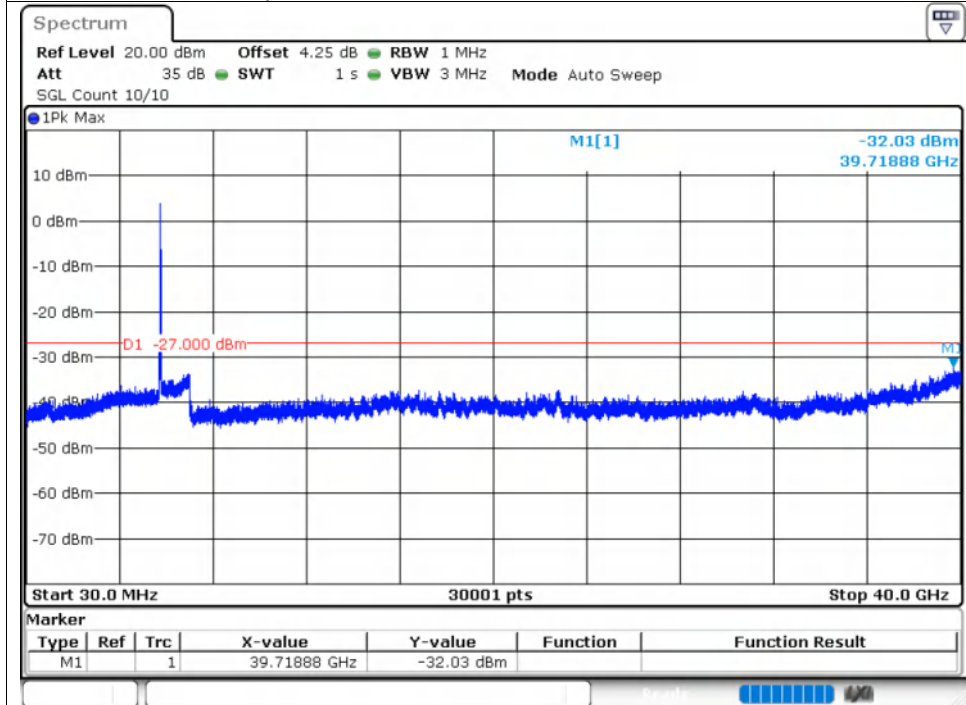
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



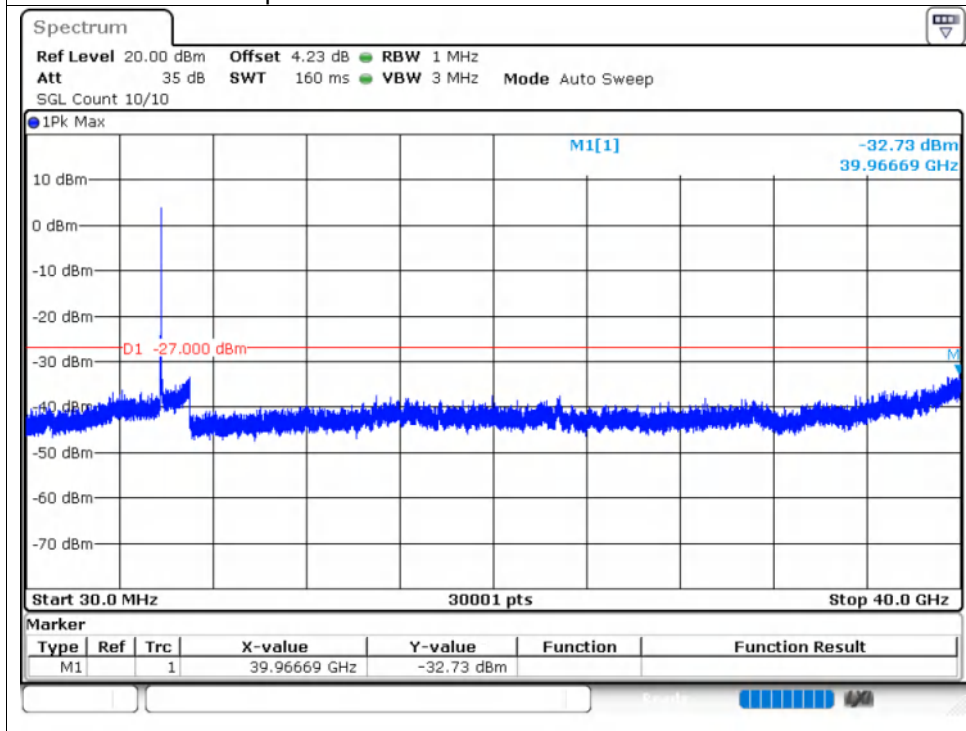
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



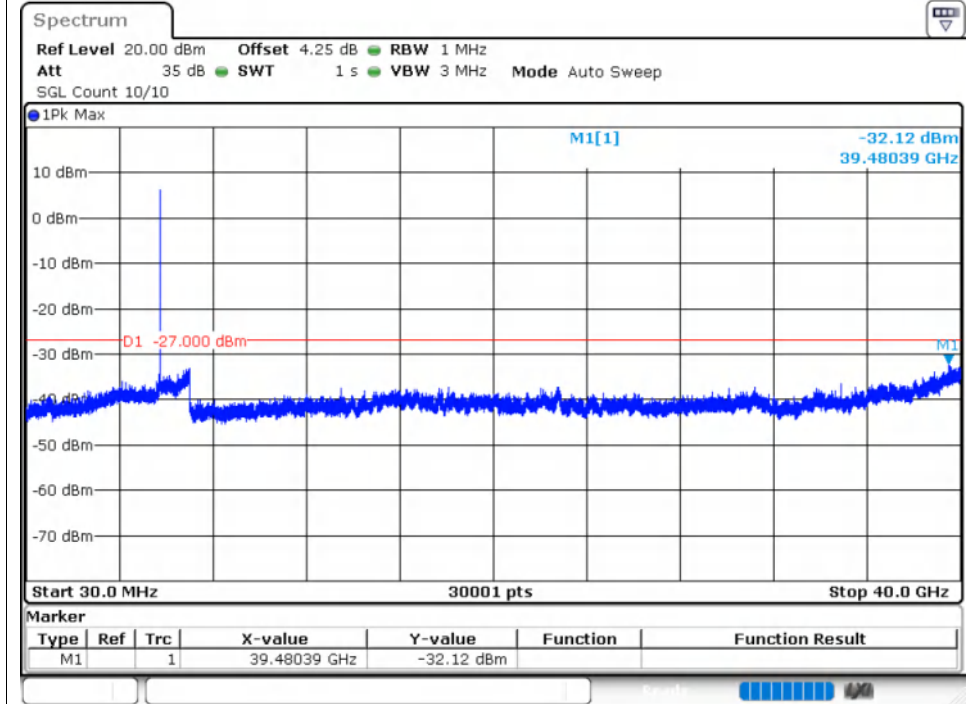
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



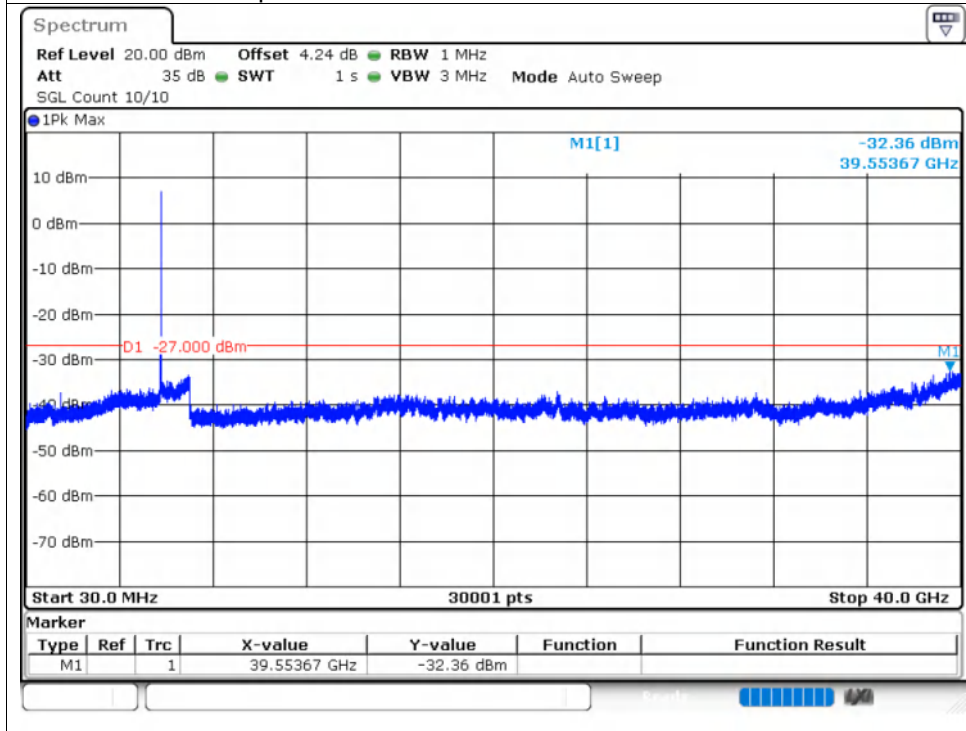
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



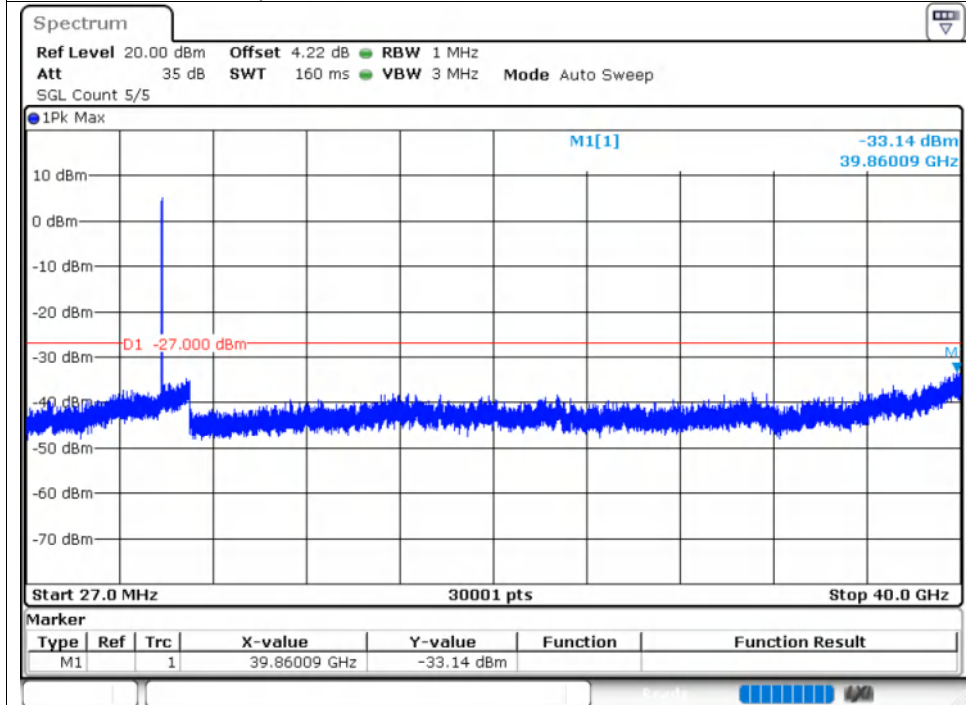
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



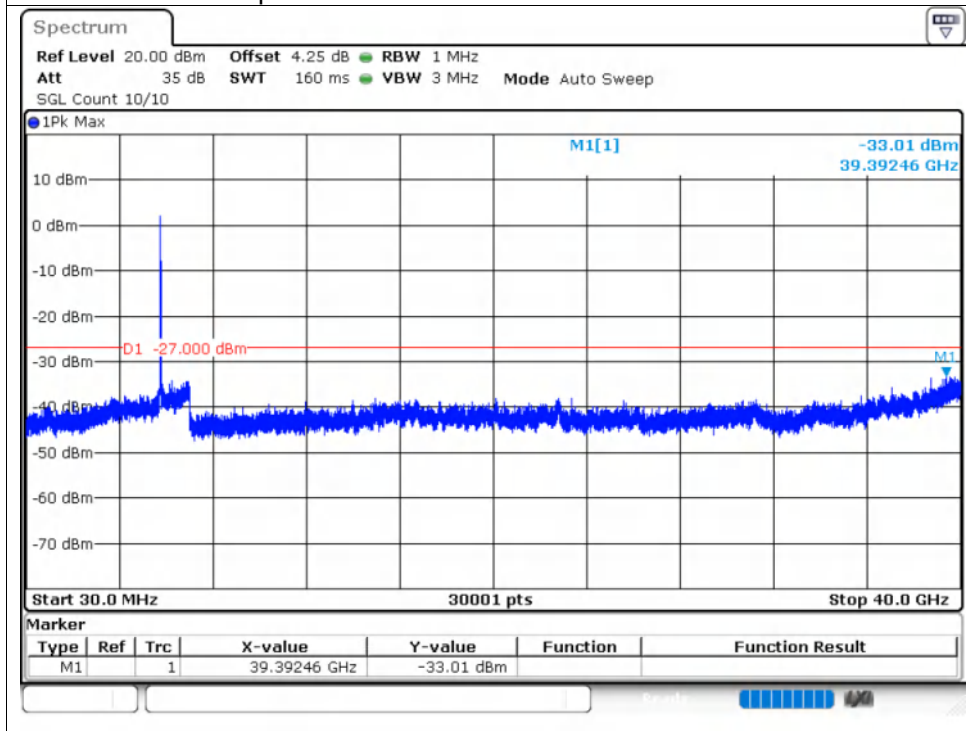
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission

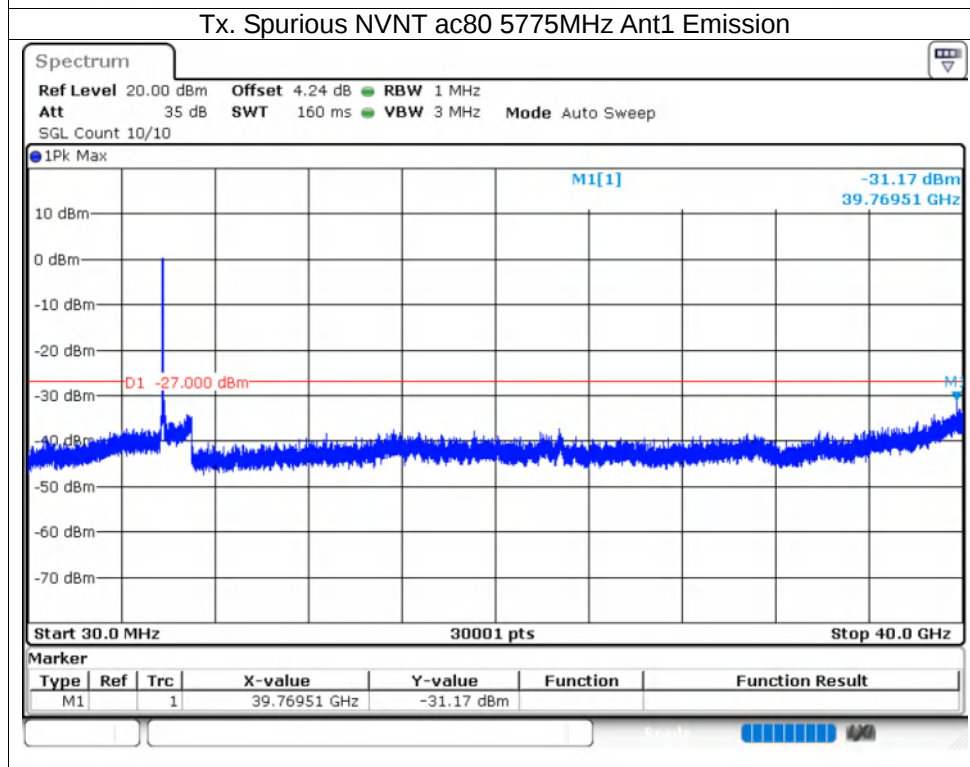
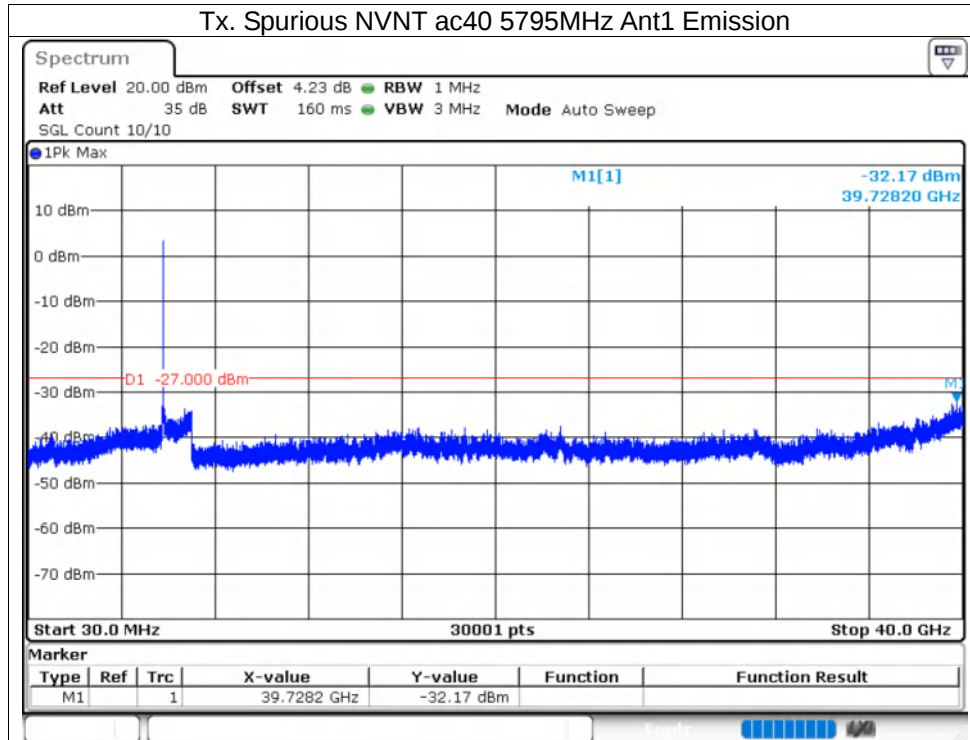


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission





END OF REPORT