

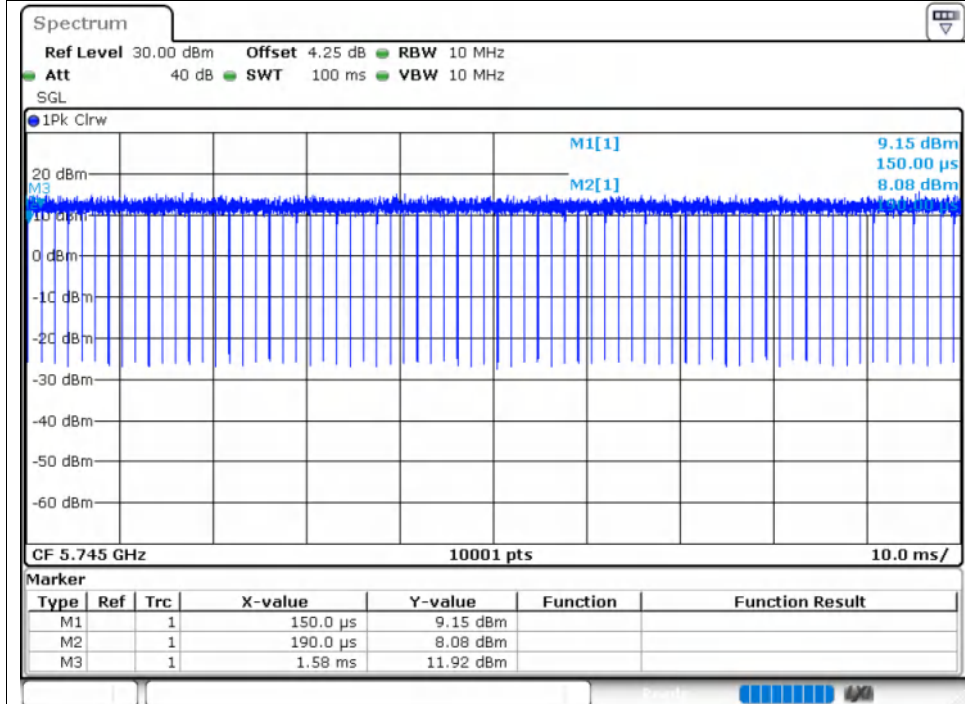
5.2 WIFI 5.8G:

5.2.1 DUTY CYCLE

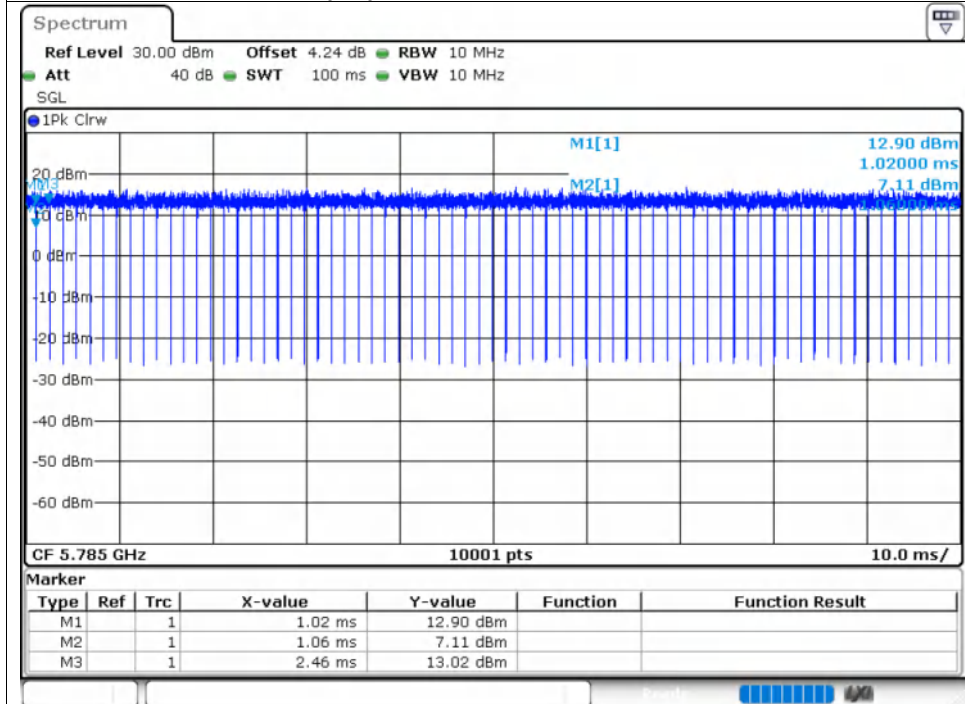
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.58	0.11	0.72
NVNT	a	5785	Ant1	97.64	0.1	0.71
NVNT	a	5825	Ant1	97.6	0.11	0.72
NVNT	n20	5745	Ant1	97.4	0.11	0.77
NVNT	n20	5785	Ant1	97.44	0.11	0.77
NVNT	n20	5825	Ant1	97.45	0.11	0.77
NVNT	n40	5755	Ant1	95.04	0.22	1.54
NVNT	n40	5795	Ant1	95.09	0.22	1.56
NVNT	ac20	5745	Ant1	97.46	0.11	0.76
NVNT	ac20	5785	Ant1	97.45	0.11	0.76
NVNT	ac20	5825	Ant1	97.42	0.11	0.76
NVNT	ac40	5755	Ant1	95.09	0.22	1.54
NVNT	ac40	5795	Ant1	95.09	0.22	1.54
NVNT	ac80	5775	Ant1	90.56	0.43	3.03

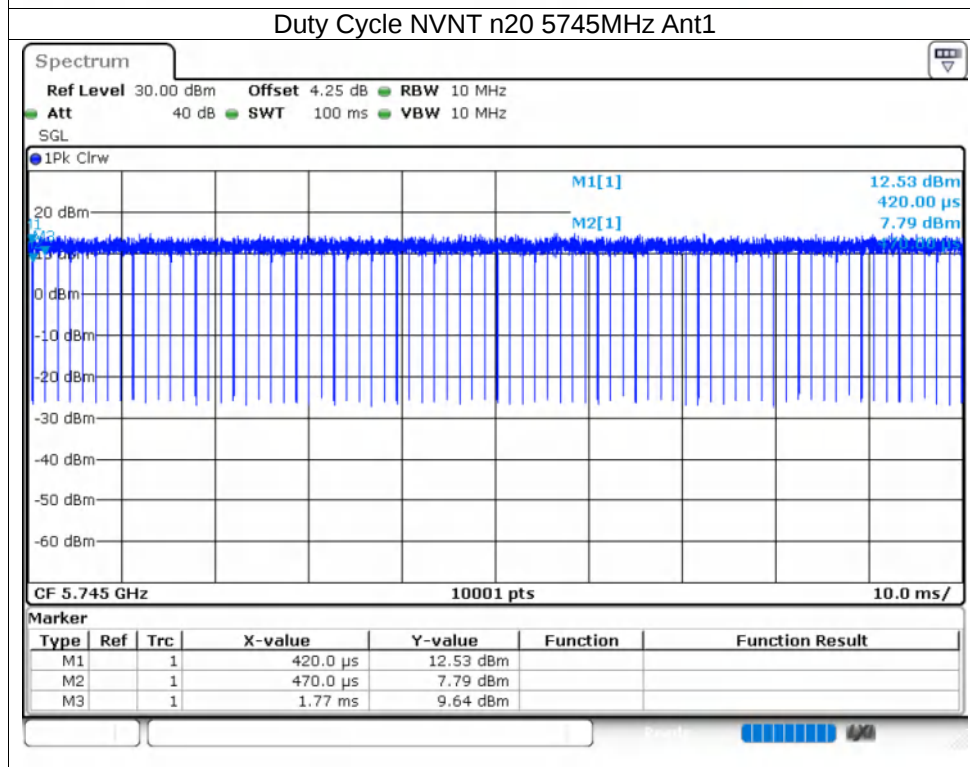
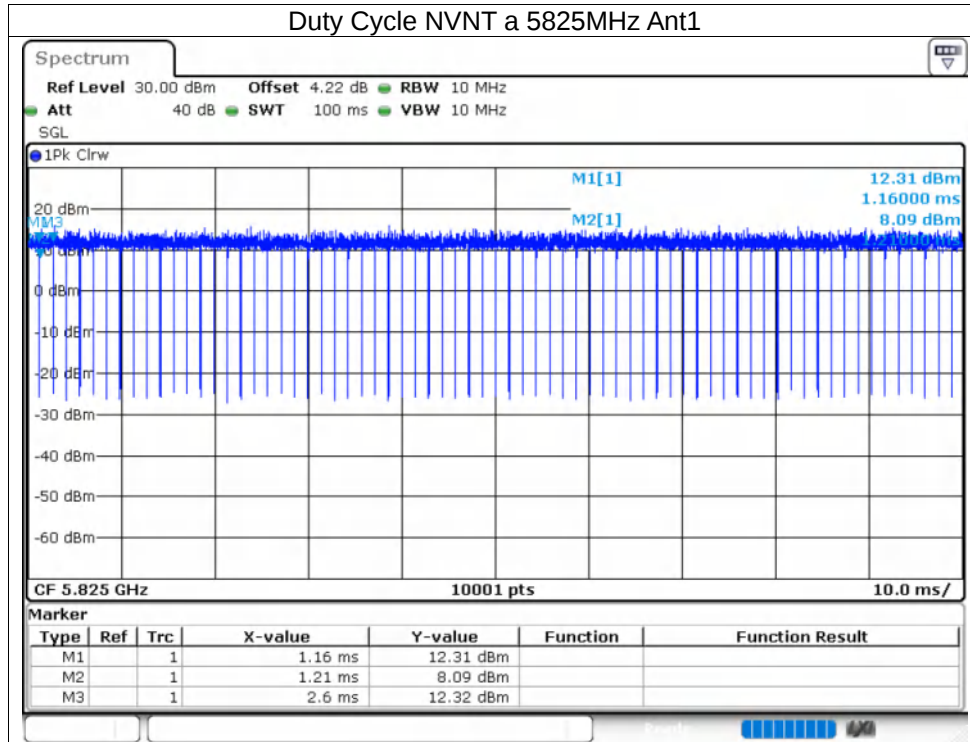
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

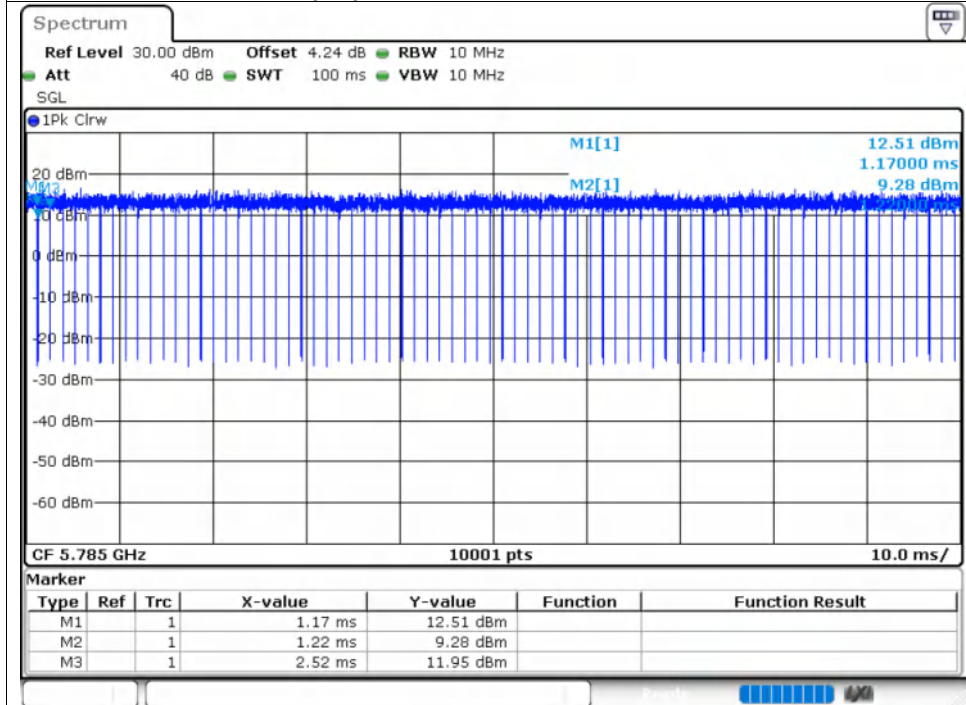


Duty Cycle NVNT a 5785MHz Ant1

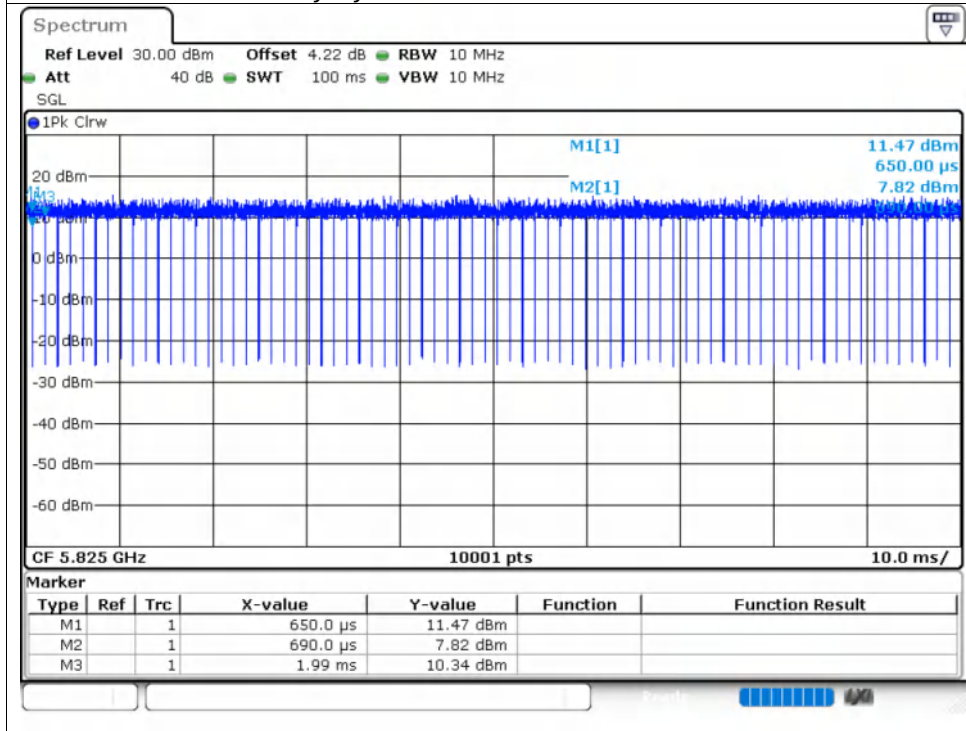


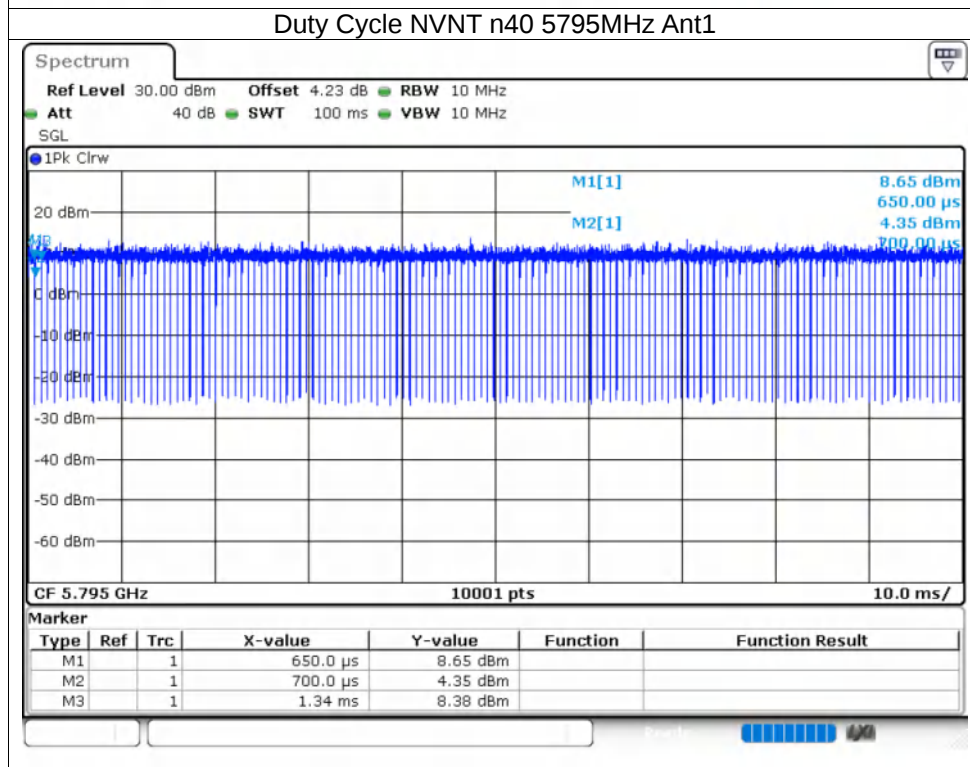
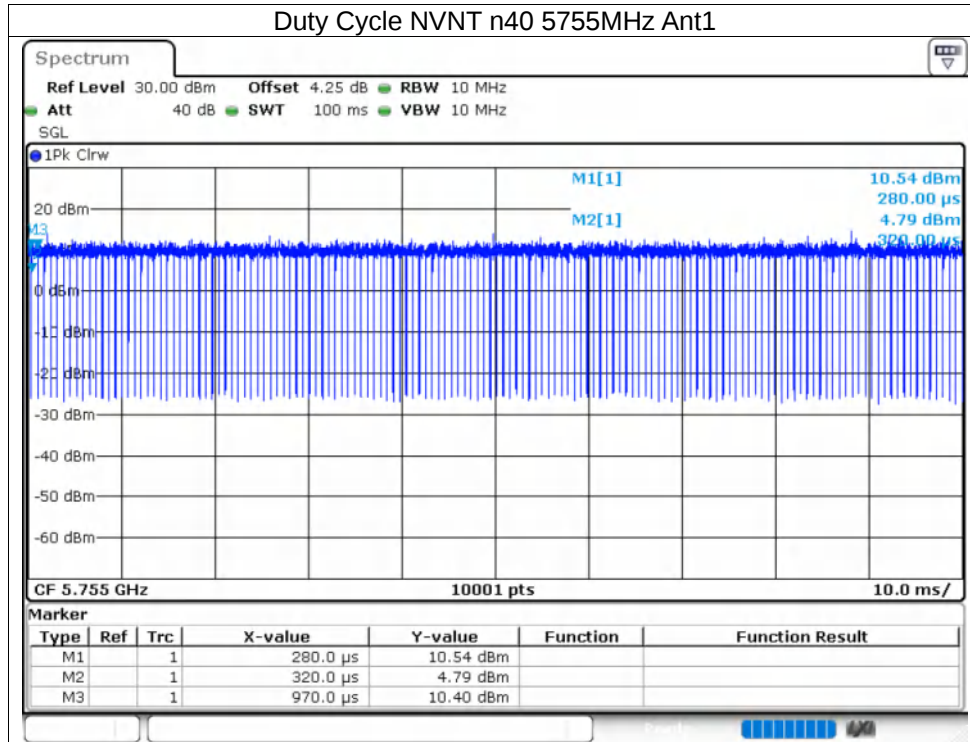


Duty Cycle NVNT n20 5785MHz Ant1

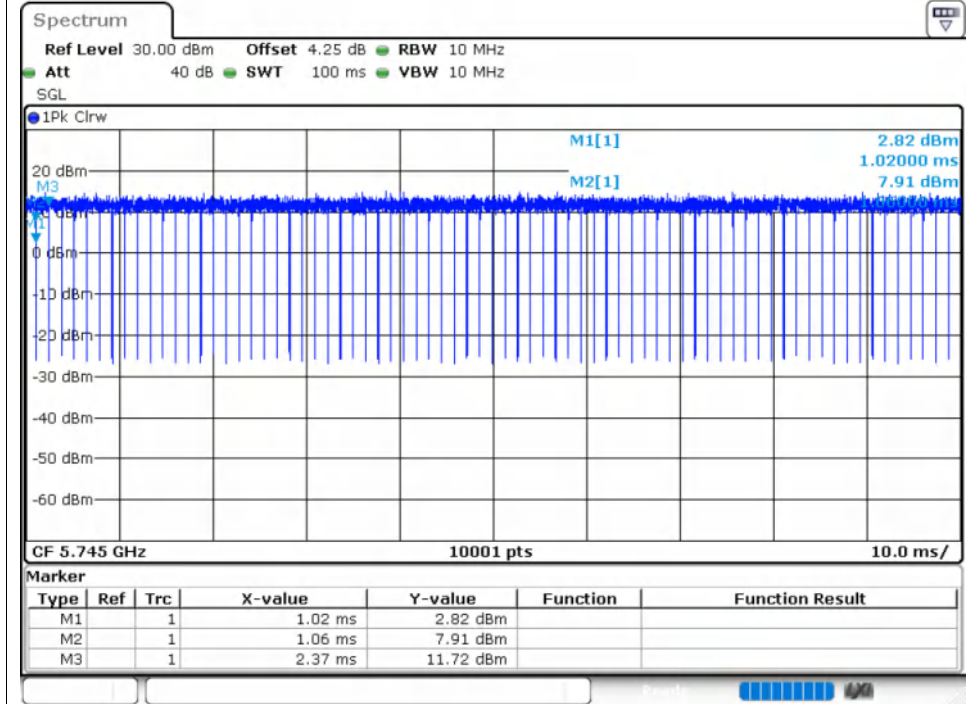


Duty Cycle NVNT n20 5825MHz Ant1

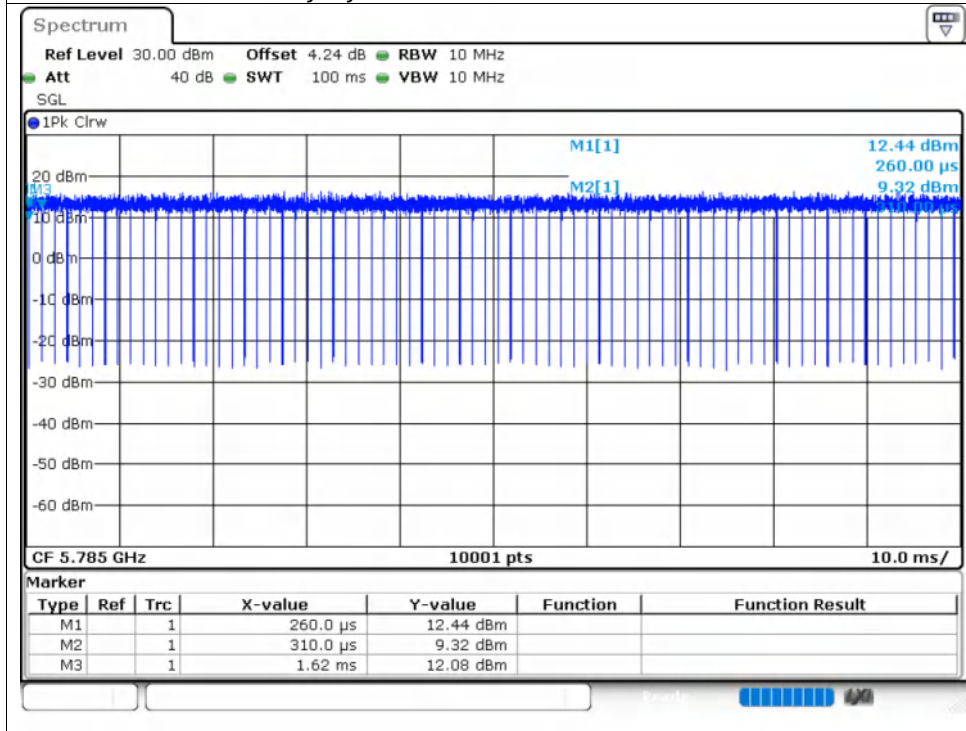




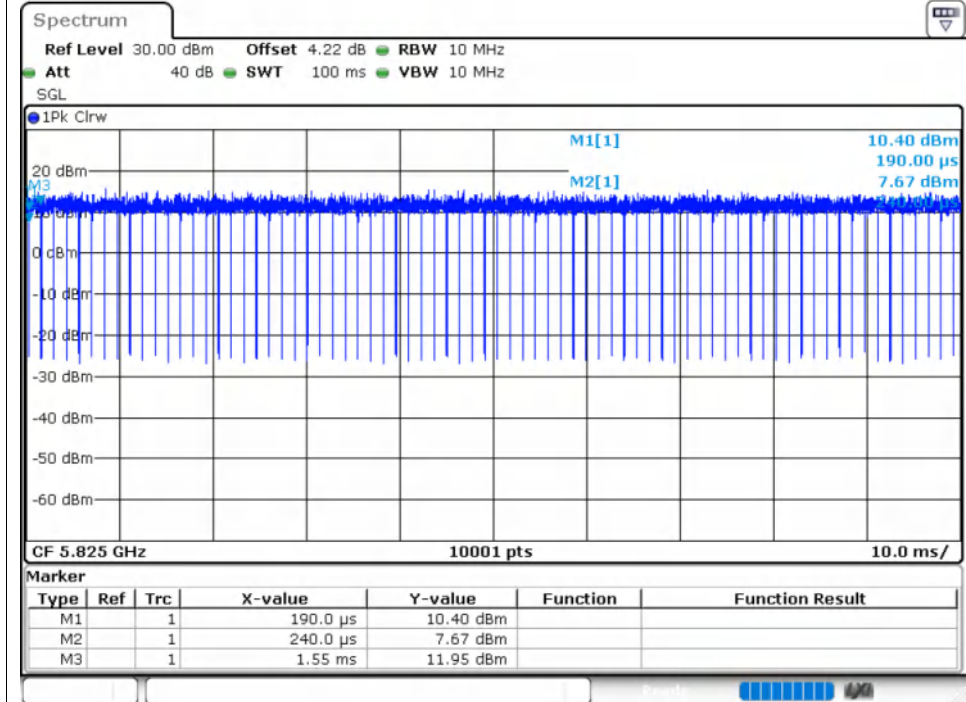
Duty Cycle NVNT ac20 5745MHz Ant1



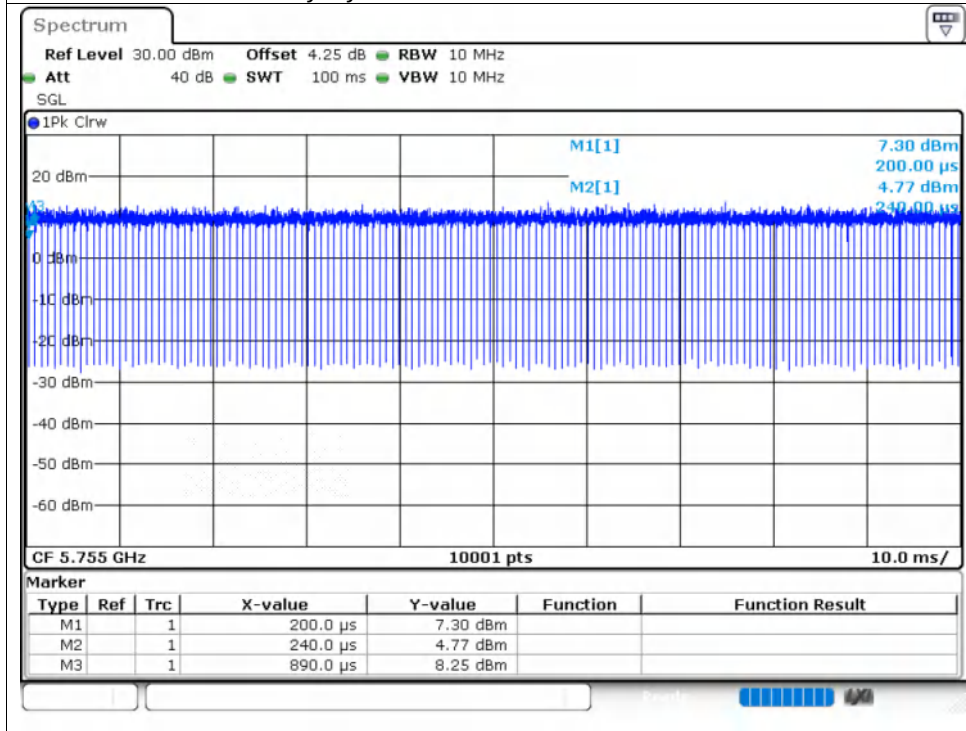
Duty Cycle NVNT ac20 5785MHz Ant1



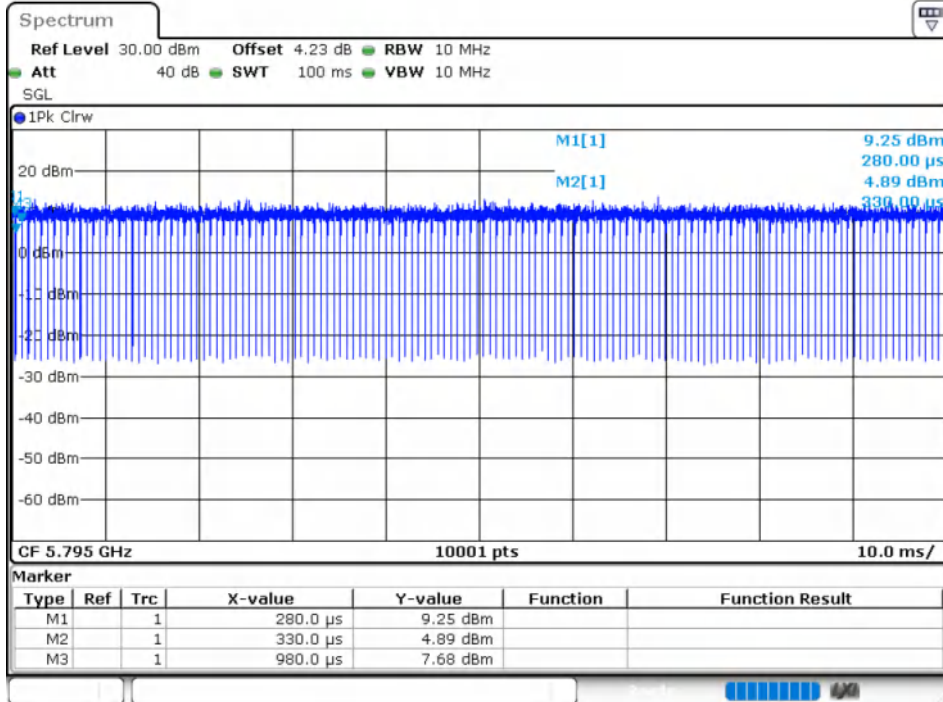
Duty Cycle NVNT ac20 5825MHz Ant1



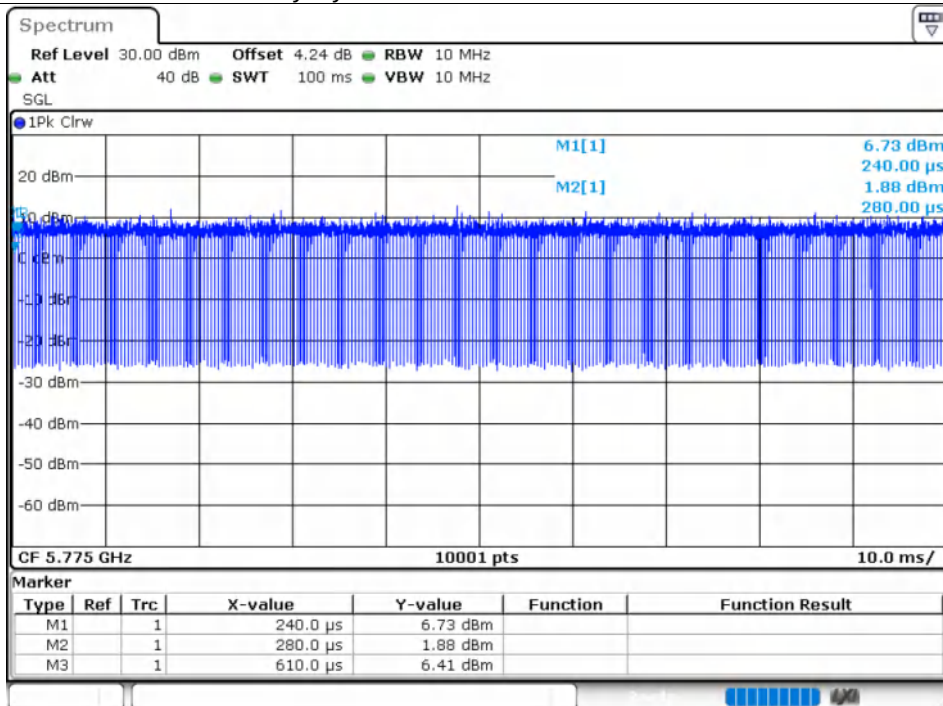
Duty Cycle NVNT ac40 5755MHz Ant1



Duty Cycle NVNT ac40 5795MHz Ant1



Duty Cycle NVNT ac80 5775MHz Ant1



5.2.2 MAXIMUM CONDUCTED OUTPUT POWER

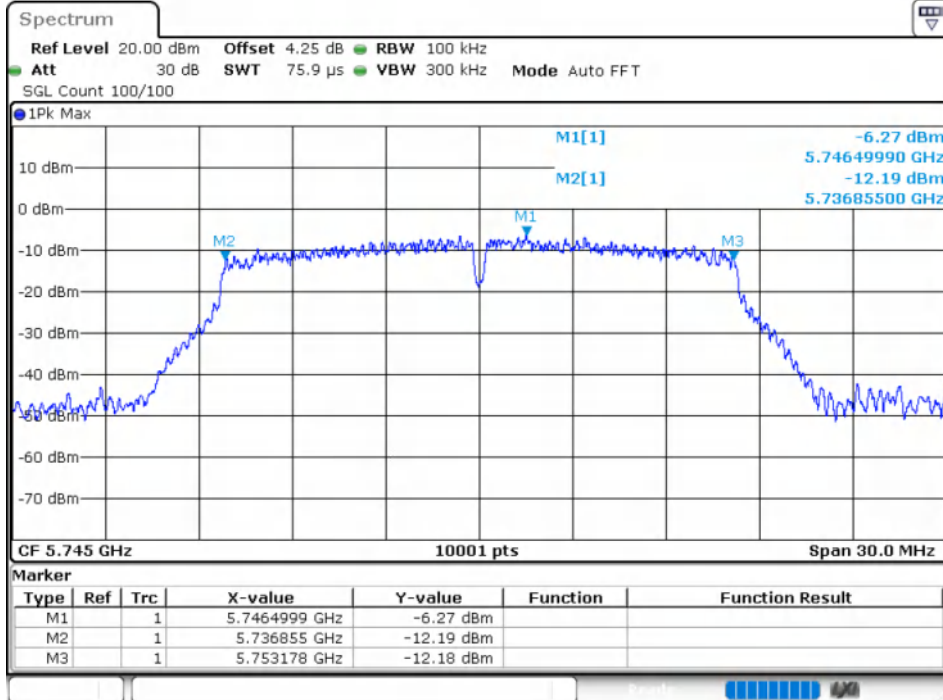
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	7.78	30	Pass
NVNT	a	5785	Ant1	8.02	30	Pass
NVNT	a	5825	Ant1	6.94	30	Pass
NVNT	n20	5745	Ant1	7.79	30	Pass
NVNT	n20	5785	Ant1	7.85	30	Pass
NVNT	n20	5825	Ant1	6.8	30	Pass
NVNT	n40	5755	Ant1	7.67	30	Pass
NVNT	n40	5795	Ant1	6.67	30	Pass
NVNT	ac20	5745	Ant1	7.84	30	Pass
NVNT	ac20	5785	Ant1	7.76	30	Pass
NVNT	ac20	5825	Ant1	7.14	30	Pass
NVNT	ac40	5755	Ant1	7.62	30	Pass
NVNT	ac40	5795	Ant1	6.87	30	Pass
NVNT	ac80	5775	Ant1	7.89	30	Pass

5.2.3 -6DB BANDWIDTH

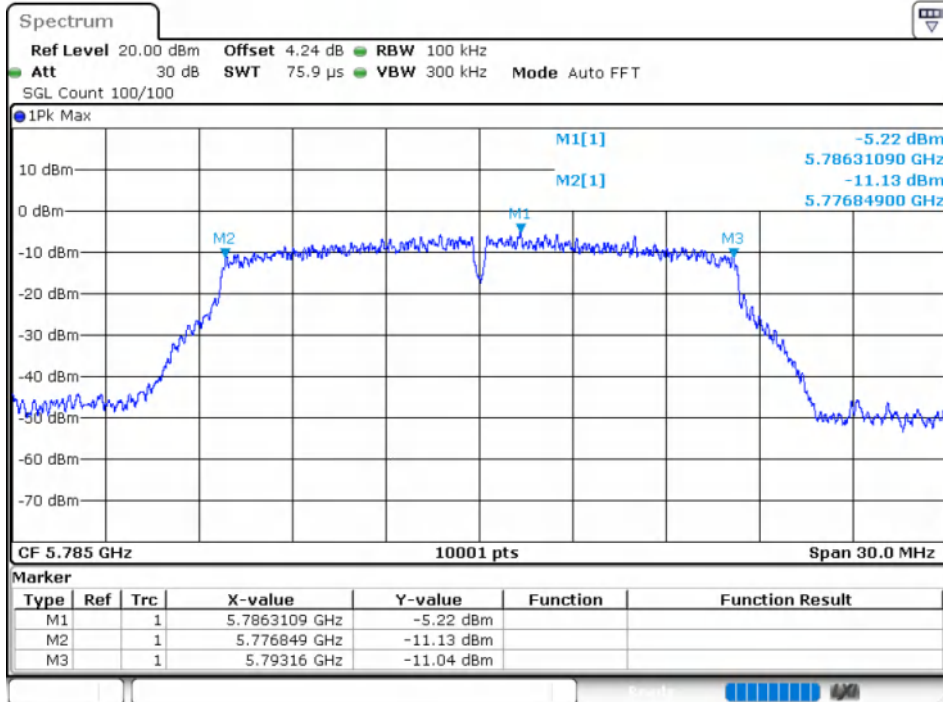
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.323	0.5	Pass
NVNT	a	5785	Ant1	16.311	0.5	Pass
NVNT	a	5825	Ant1	14.16	0.5	Pass
NVNT	n20	5745	Ant1	13.578	0.5	Pass
NVNT	n20	5785	Ant1	14.139	0.5	Pass
NVNT	n20	5825	Ant1	12.639	0.5	Pass
NVNT	n40	5755	Ant1	33.864	0.5	Pass
NVNT	n40	5795	Ant1	31.26	0.5	Pass
NVNT	ac20	5745	Ant1	17.577	0.5	Pass
NVNT	ac20	5785	Ant1	17.553	0.5	Pass
NVNT	ac20	5825	Ant1	14.142	0.5	Pass
NVNT	ac40	5755	Ant1	28.176	0.5	Pass
NVNT	ac40	5795	Ant1	28.386	0.5	Pass
NVNT	ac80	5775	Ant1	75.084	0.5	Pass

Test Graphs

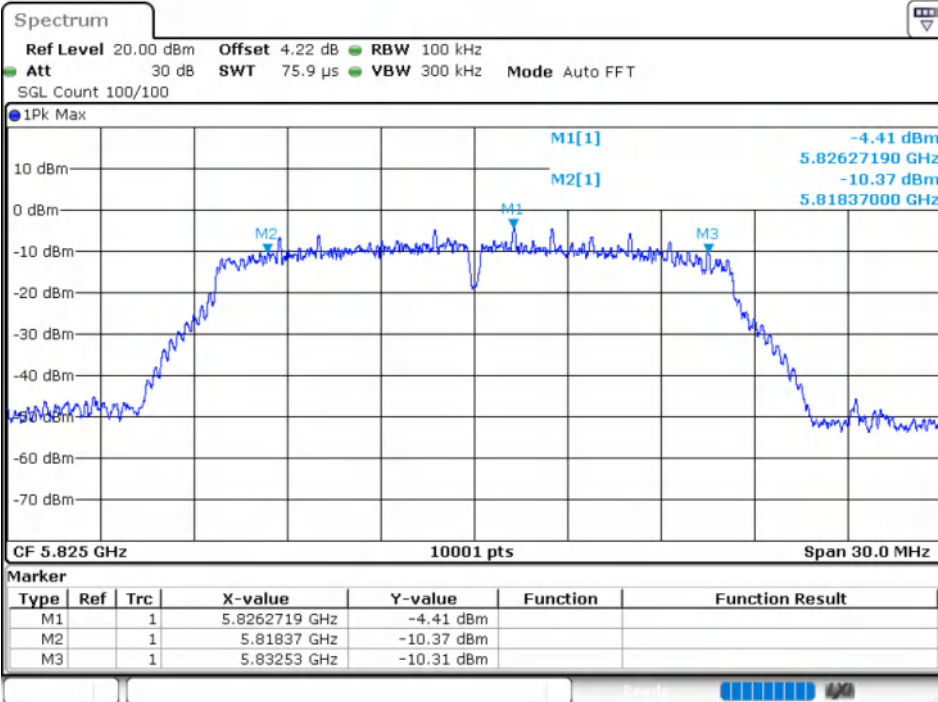
-6dB Bandwidth NVNT a 5745MHz Ant1



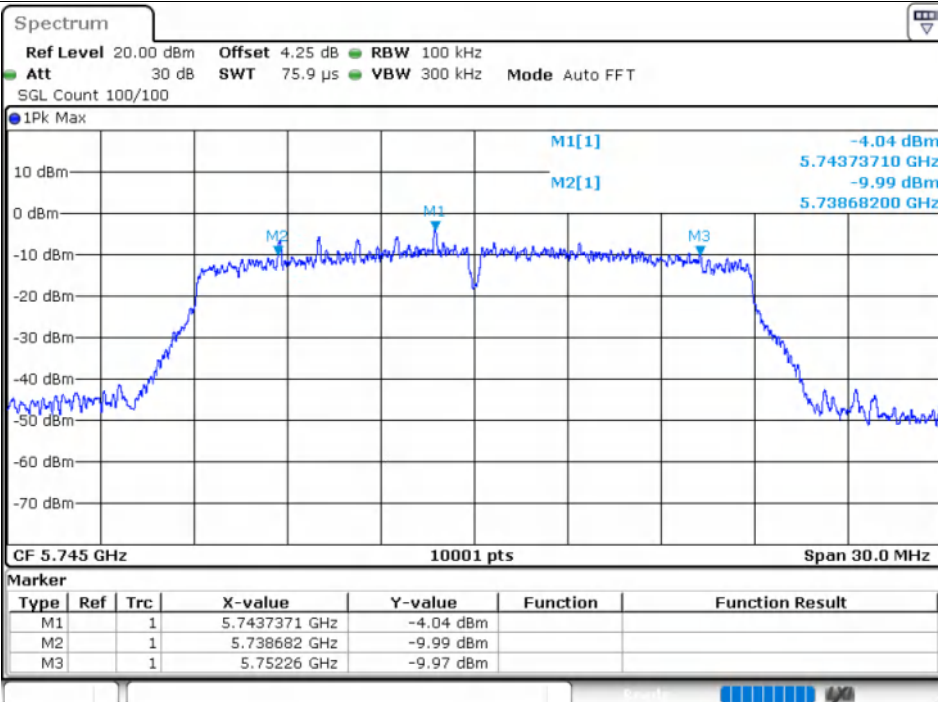
-6dB Bandwidth NVNT a 5785MHz Ant1

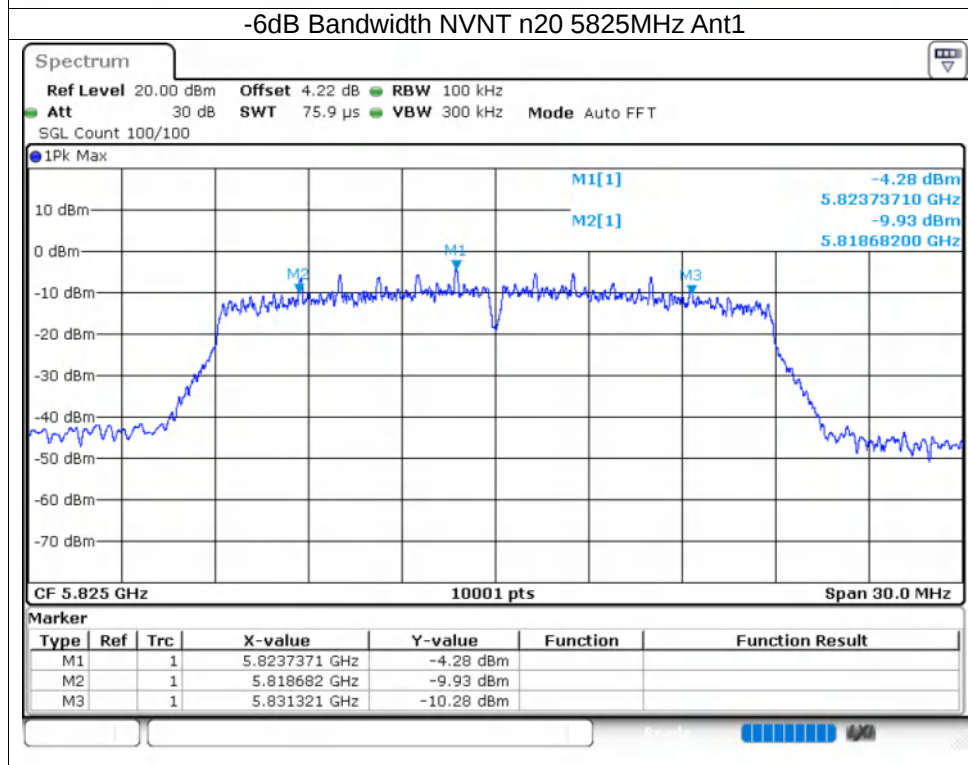
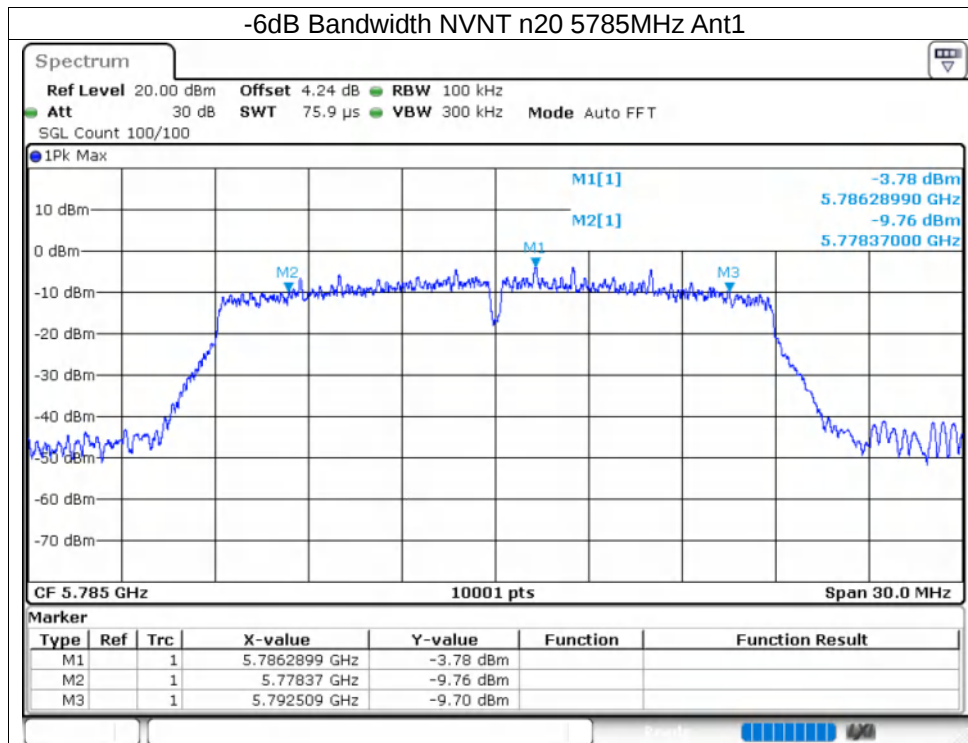


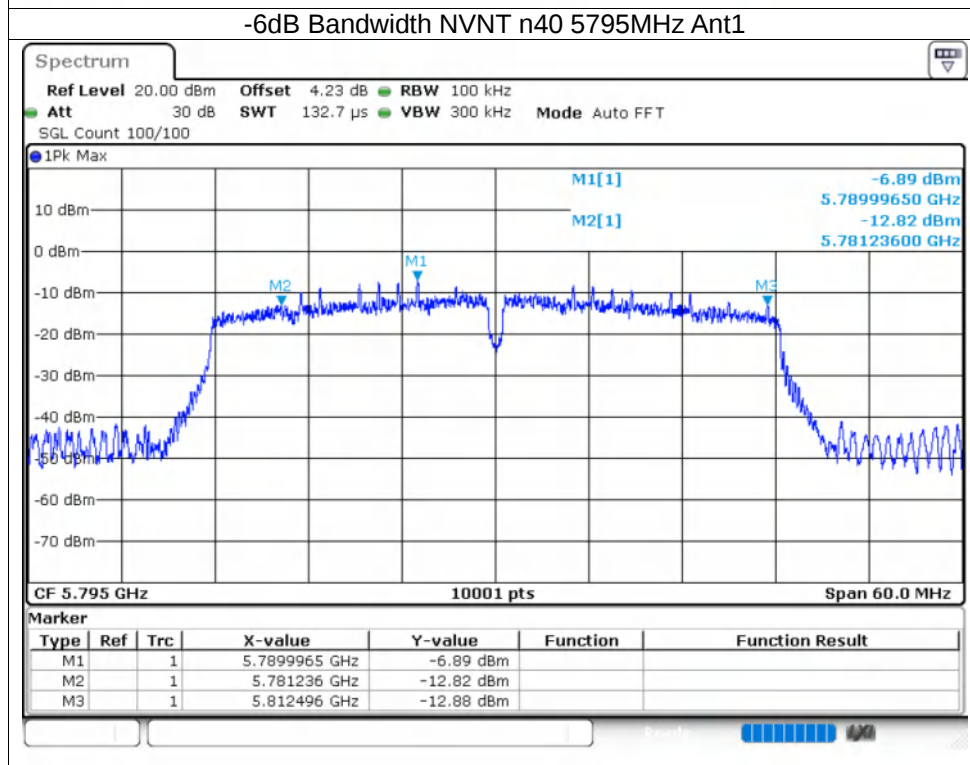
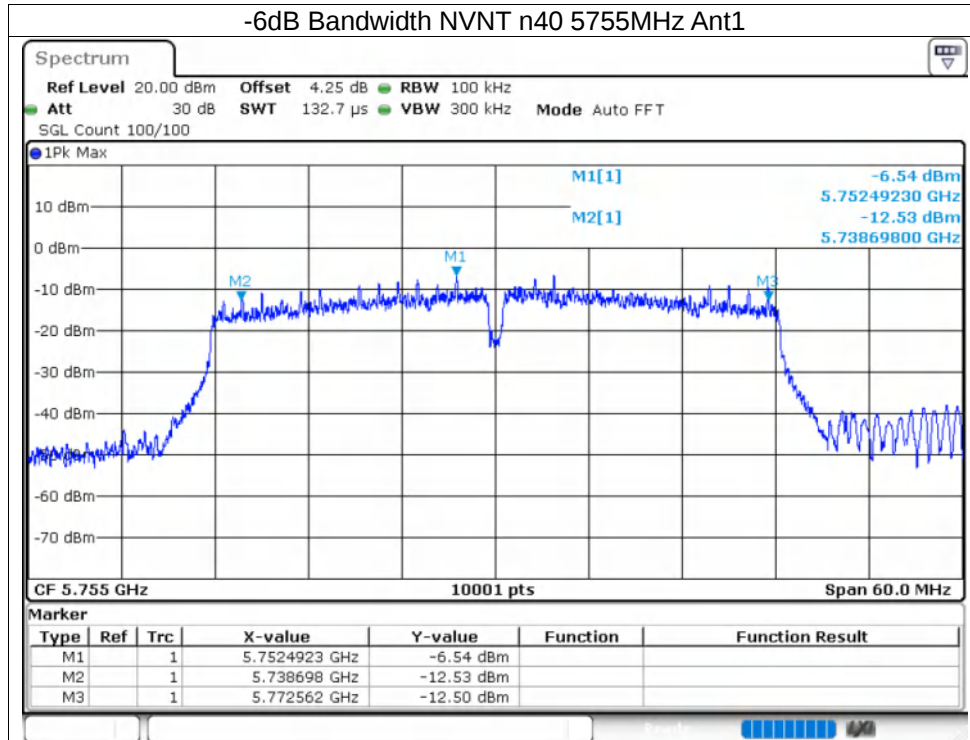
-6dB Bandwidth NVNT a 5825MHz Ant1



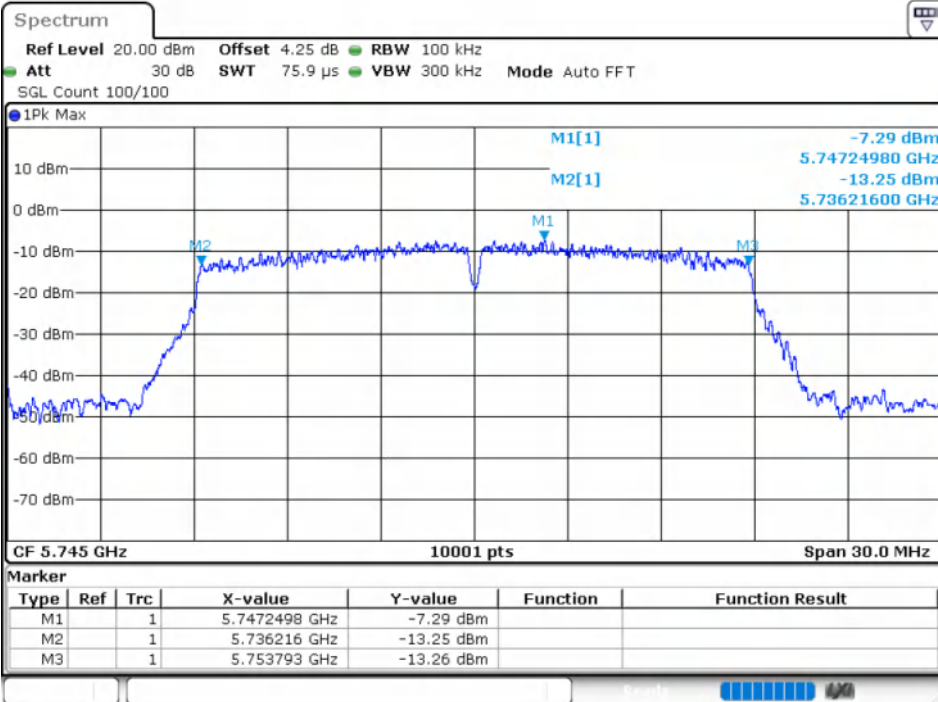
-6dB Bandwidth NVNT n20 5745MHz Ant1



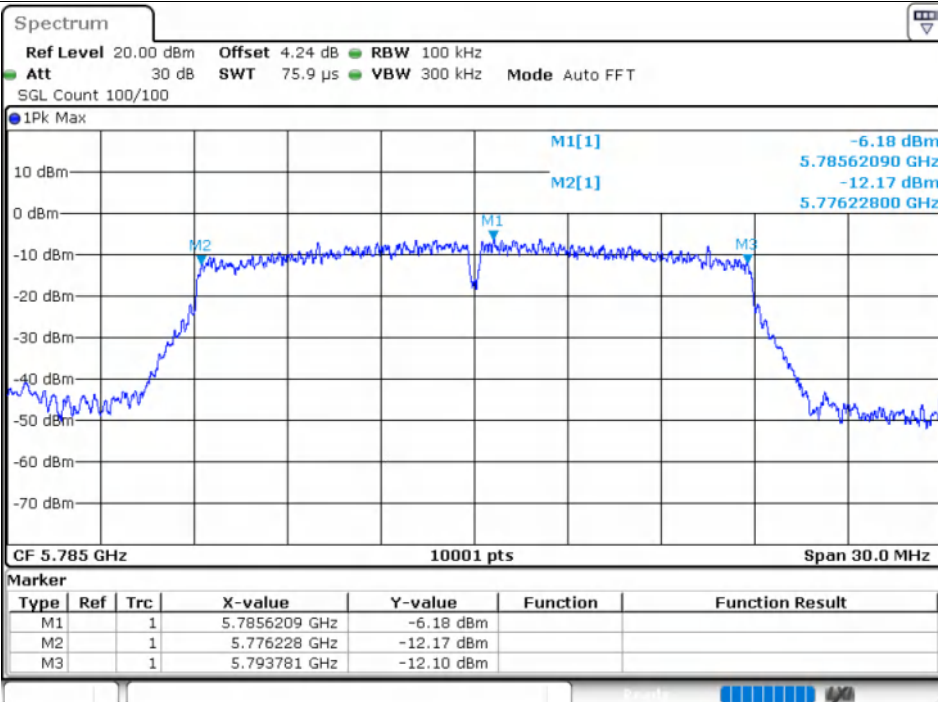


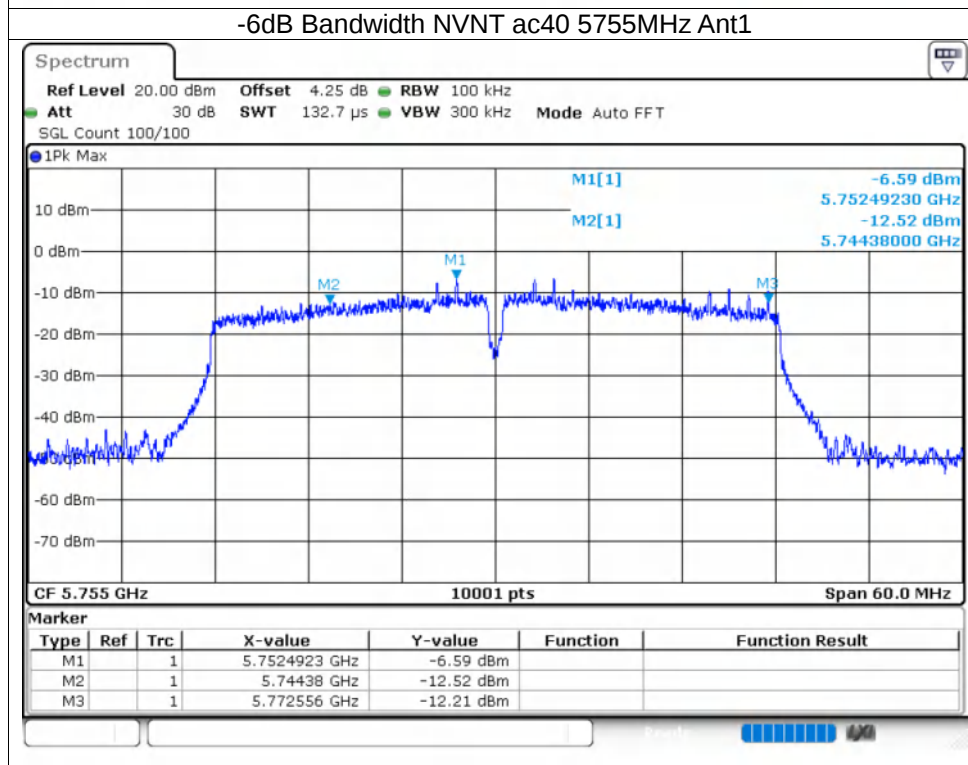
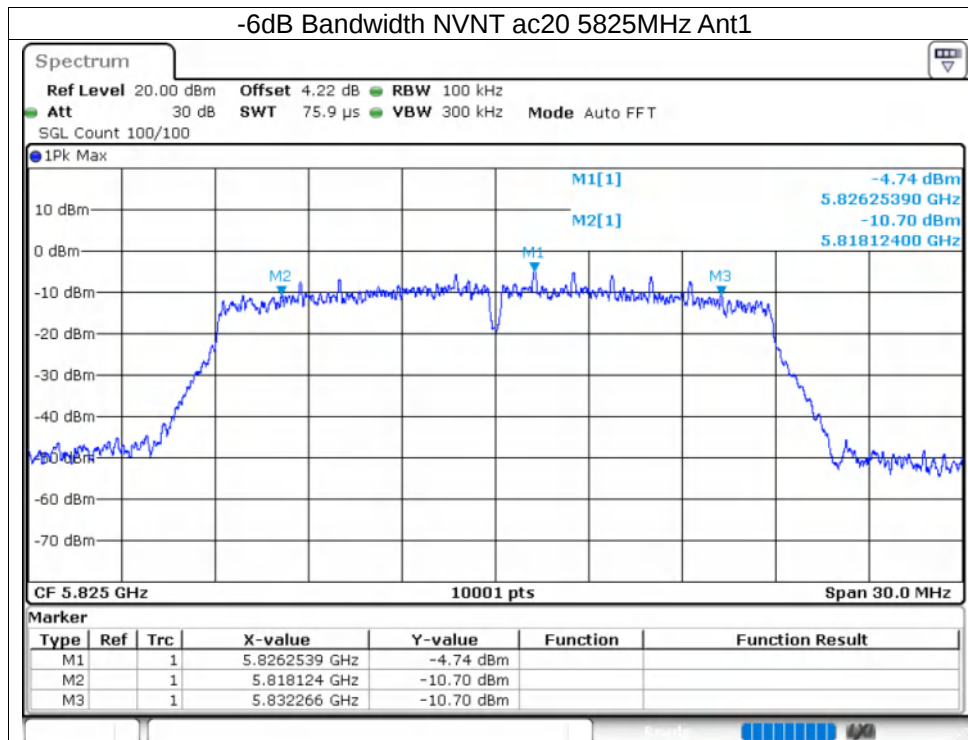


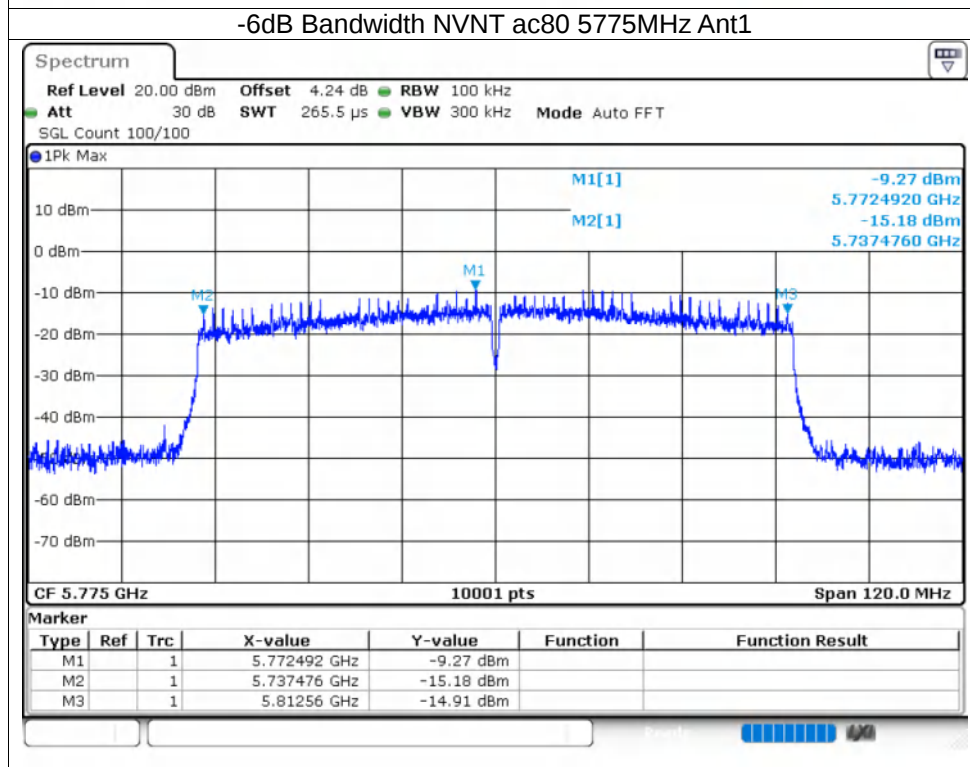
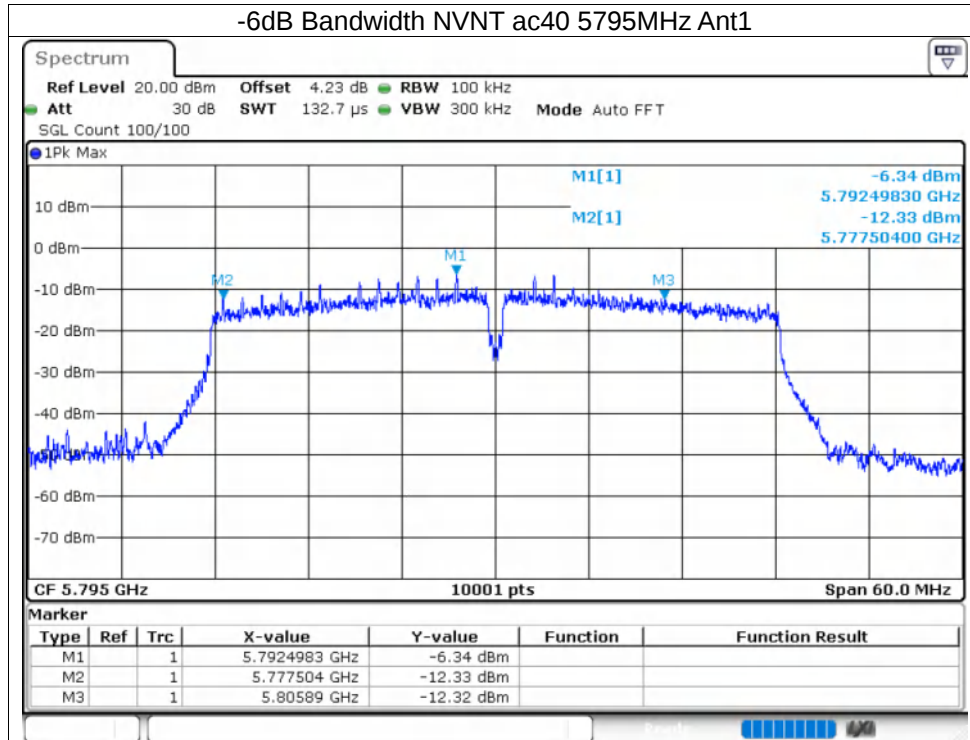
-6dB Bandwidth NVNT ac20 5745MHz Ant1



-6dB Bandwidth NVNT ac20 5785MHz Ant1





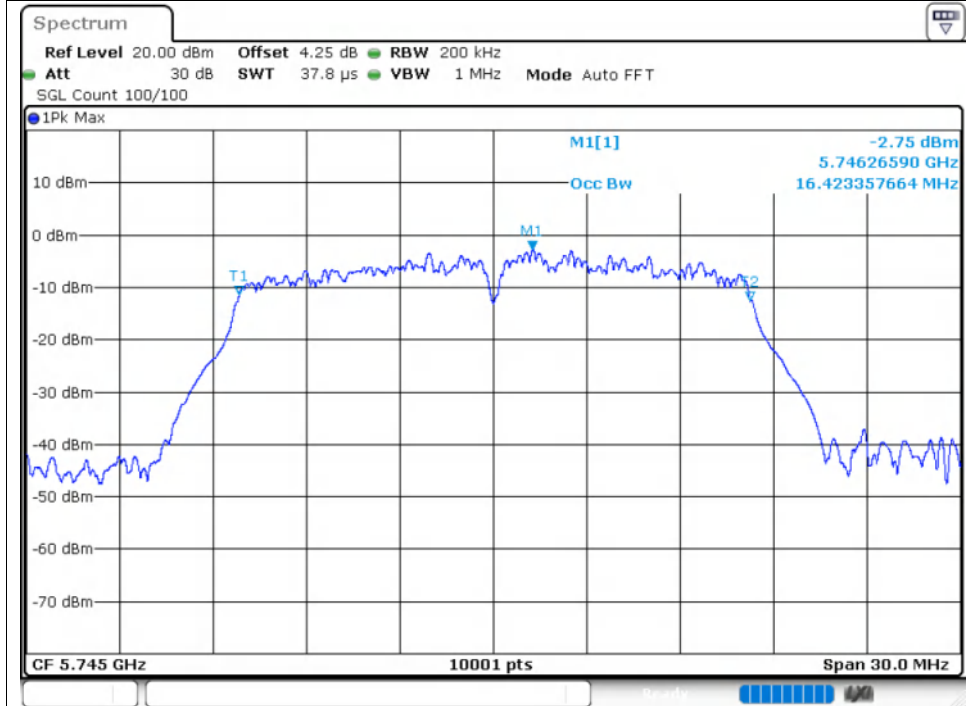


5.2.4 OCCUPIED CHANNEL BANDWIDTH

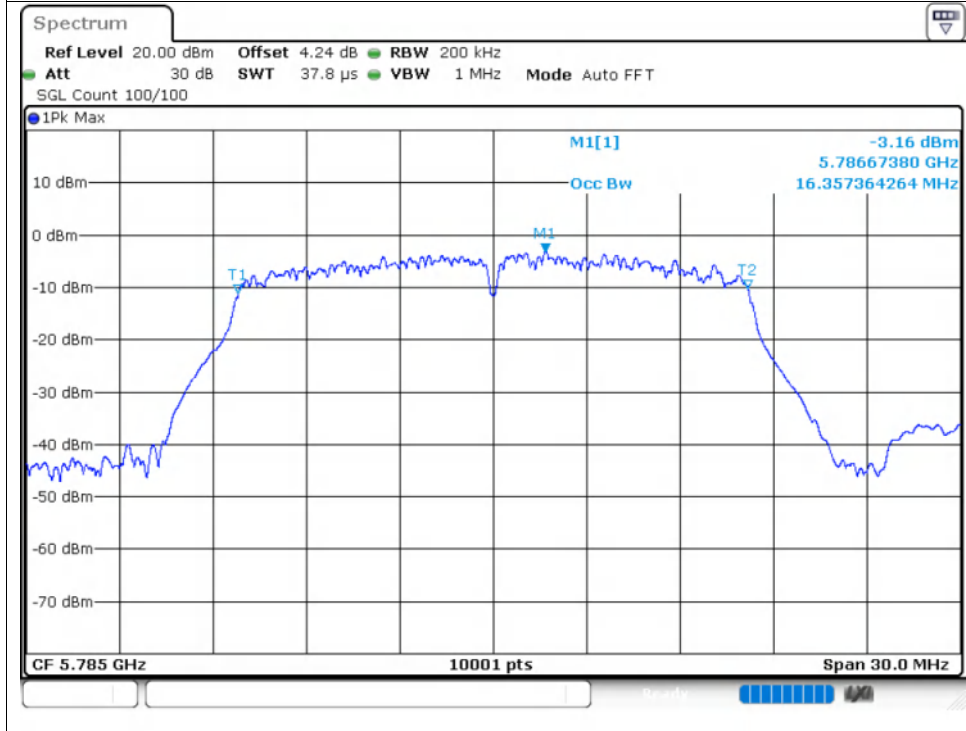
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.423
NVNT	a	5785	Ant1	16.357
NVNT	a	5825	Ant1	16.42
NVNT	n20	5745	Ant1	17.578
NVNT	n20	5785	Ant1	17.524
NVNT	n20	5825	Ant1	17.482
NVNT	n40	5755	Ant1	36.014
NVNT	n40	5795	Ant1	36.008
NVNT	ac20	5745	Ant1	17.494
NVNT	ac20	5785	Ant1	17.491
NVNT	ac20	5825	Ant1	17.515
NVNT	ac40	5755	Ant1	35.99
NVNT	ac40	5795	Ant1	35.972
NVNT	ac80	5775	Ant1	75.004

Test Graphs

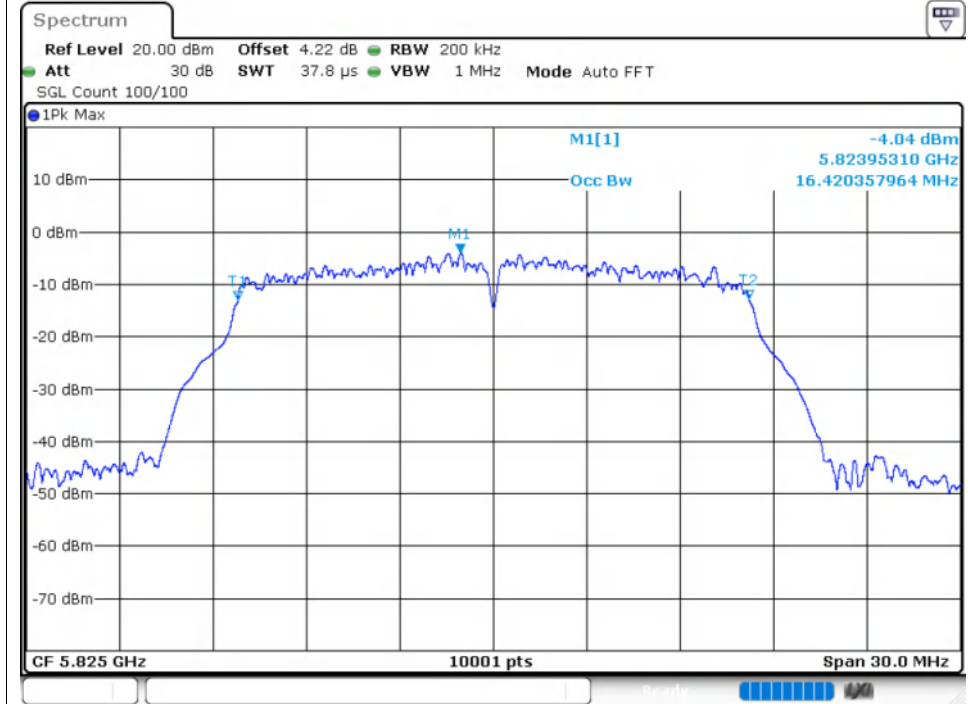
OBW NVNT a 5745MHz Ant1



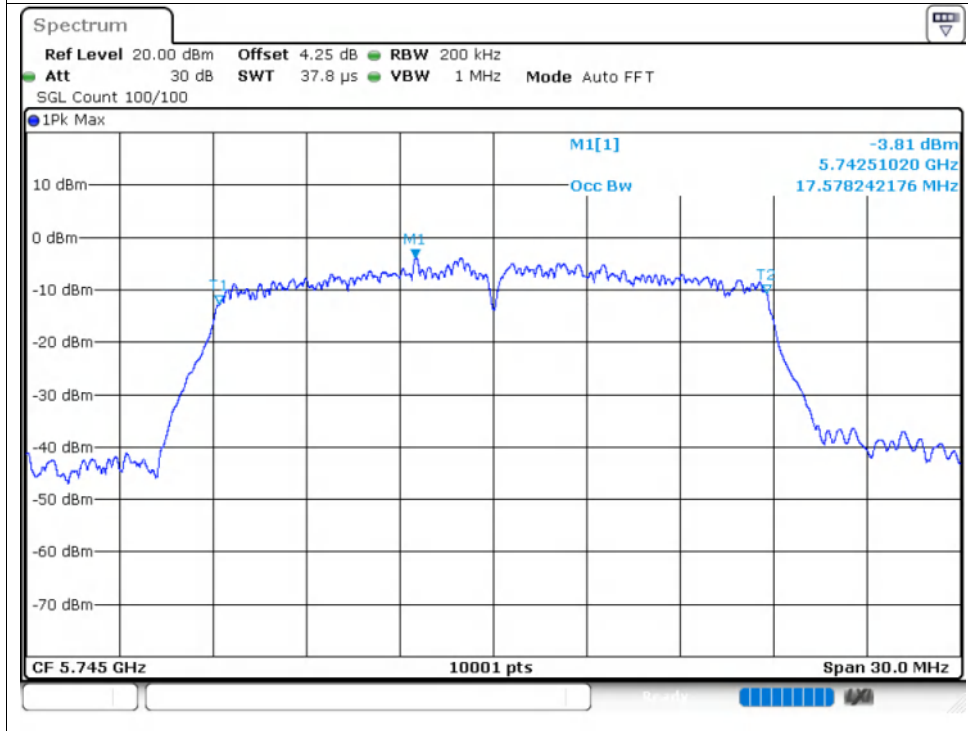
OBW NVNT a 5785MHz Ant1

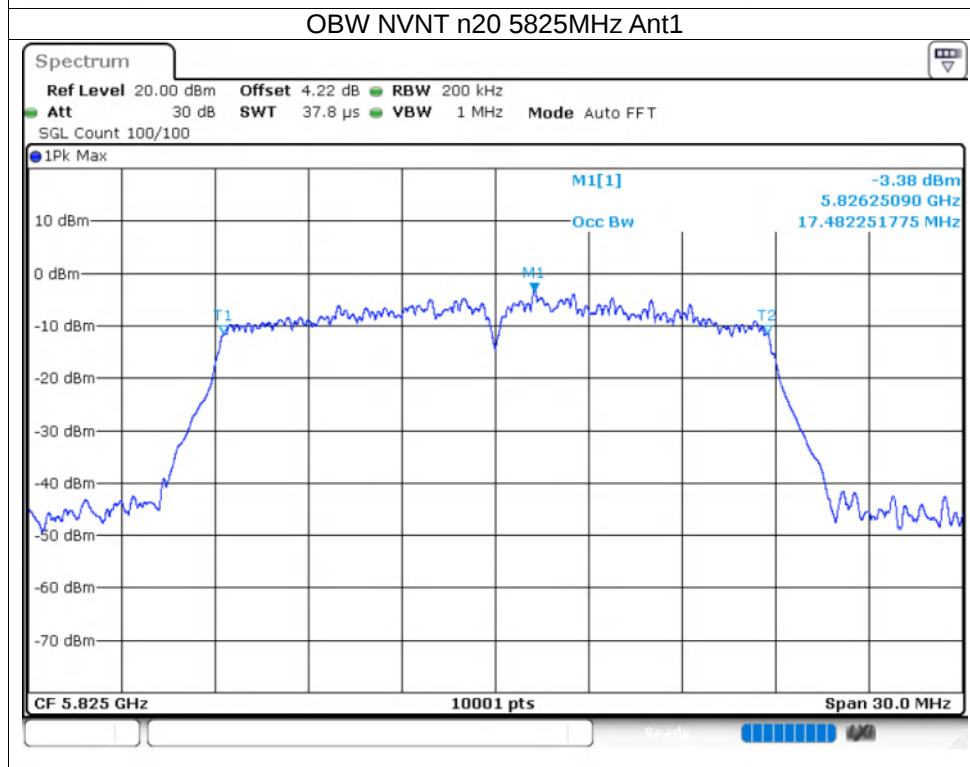
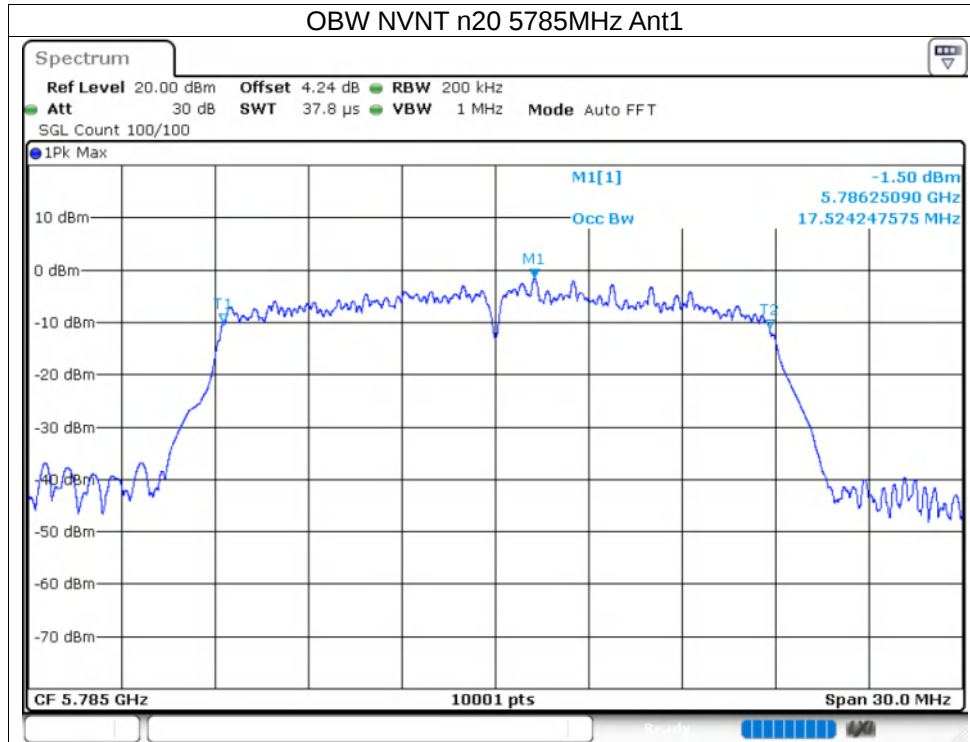


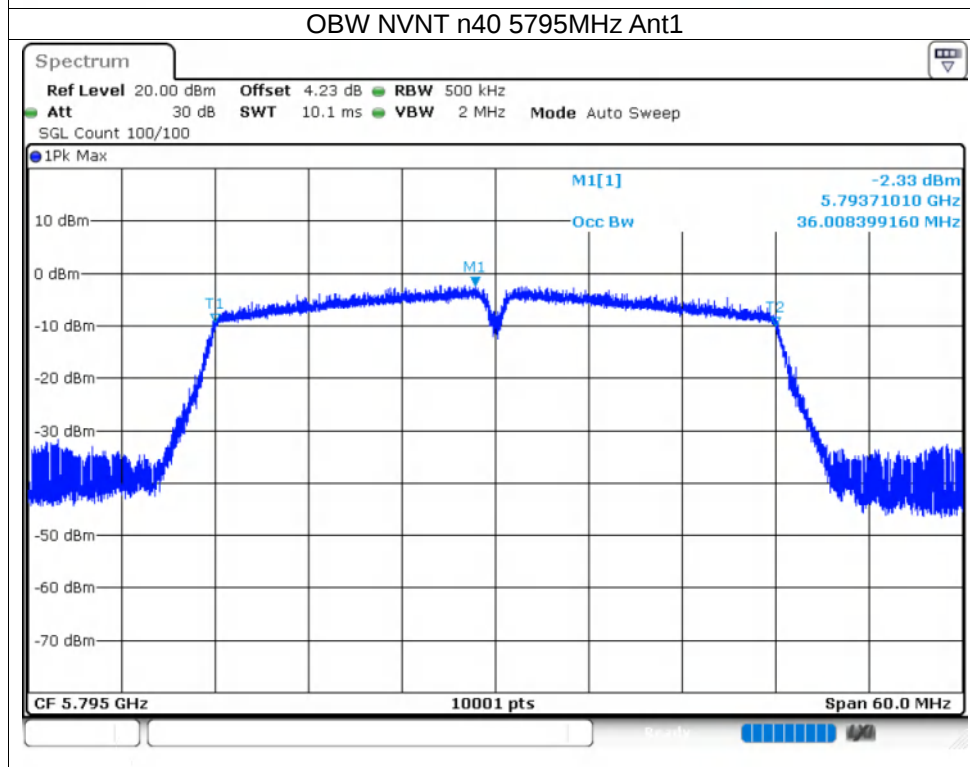
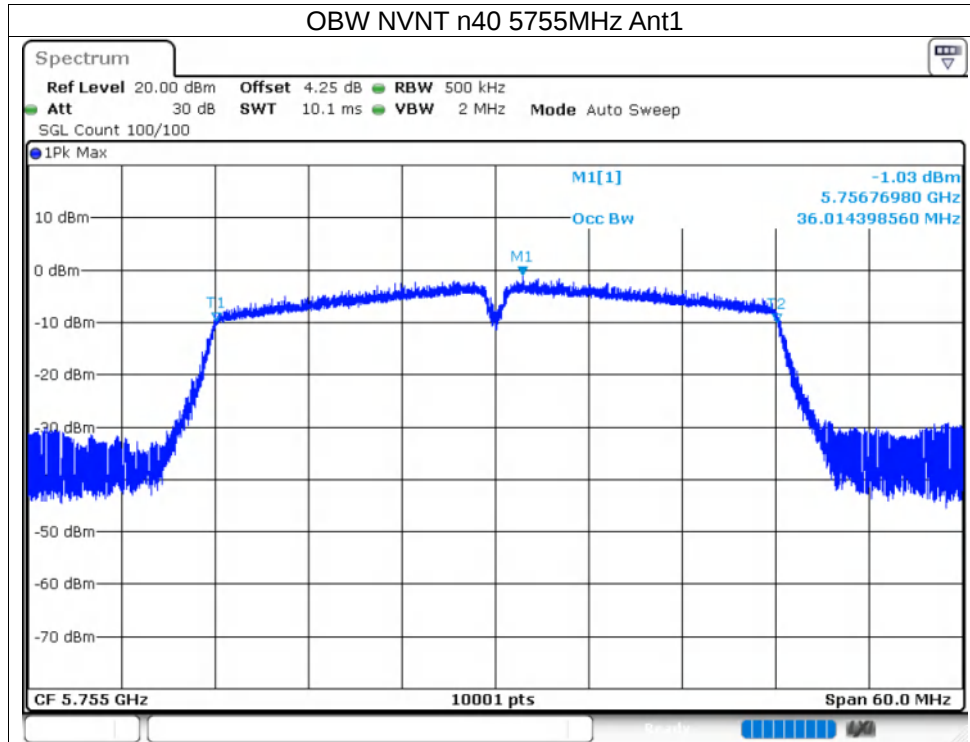
OBW NVNT a 5825MHz Ant1



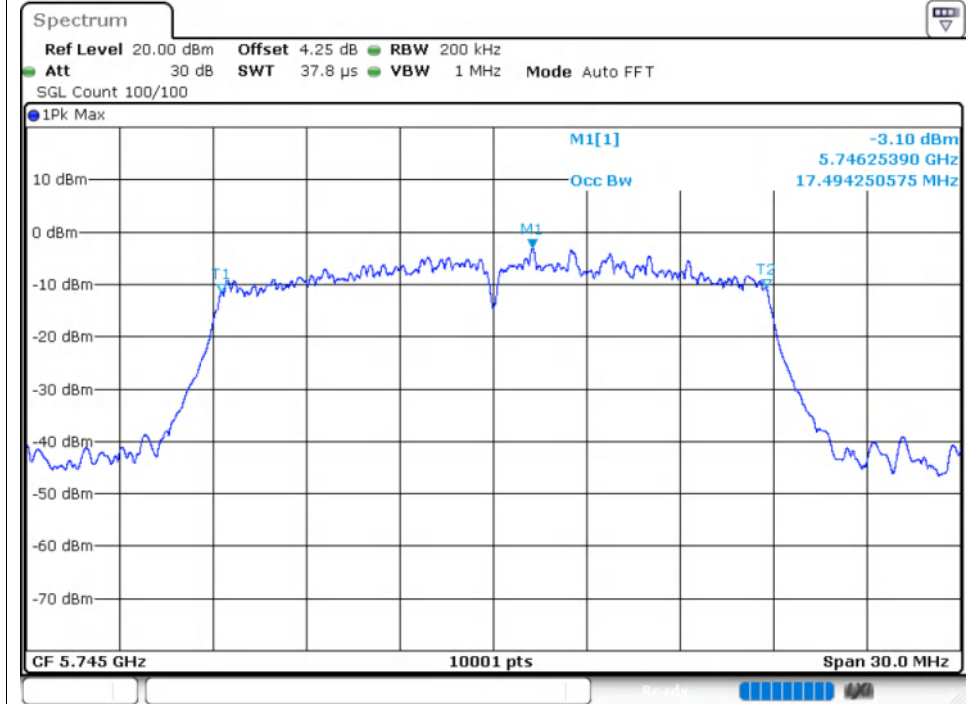
OBW NVNT n20 5745MHz Ant1



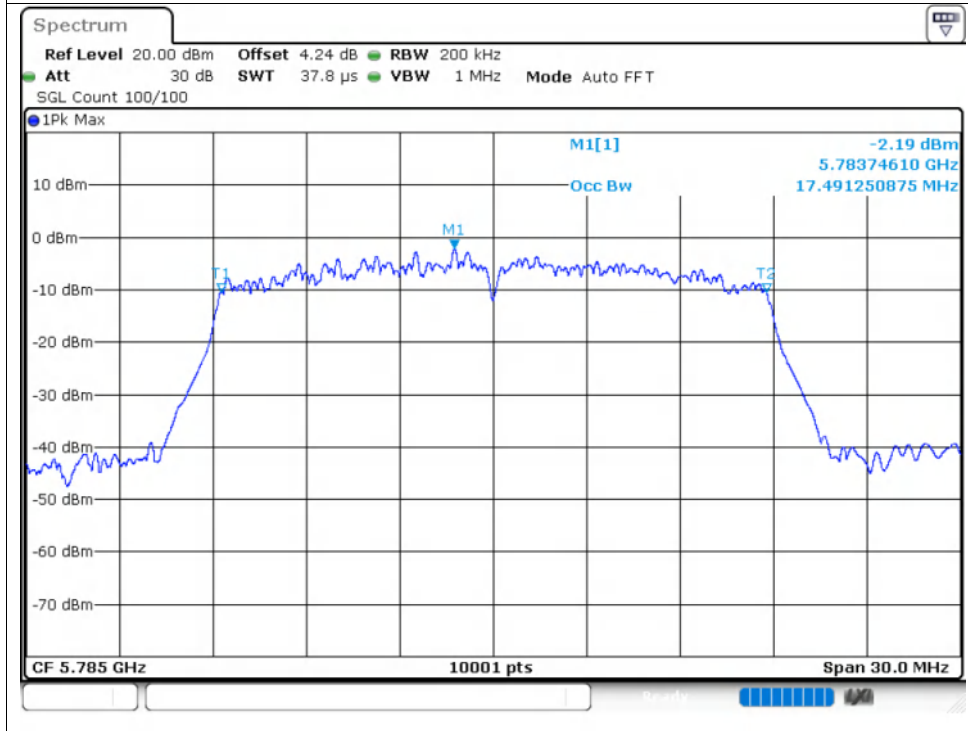


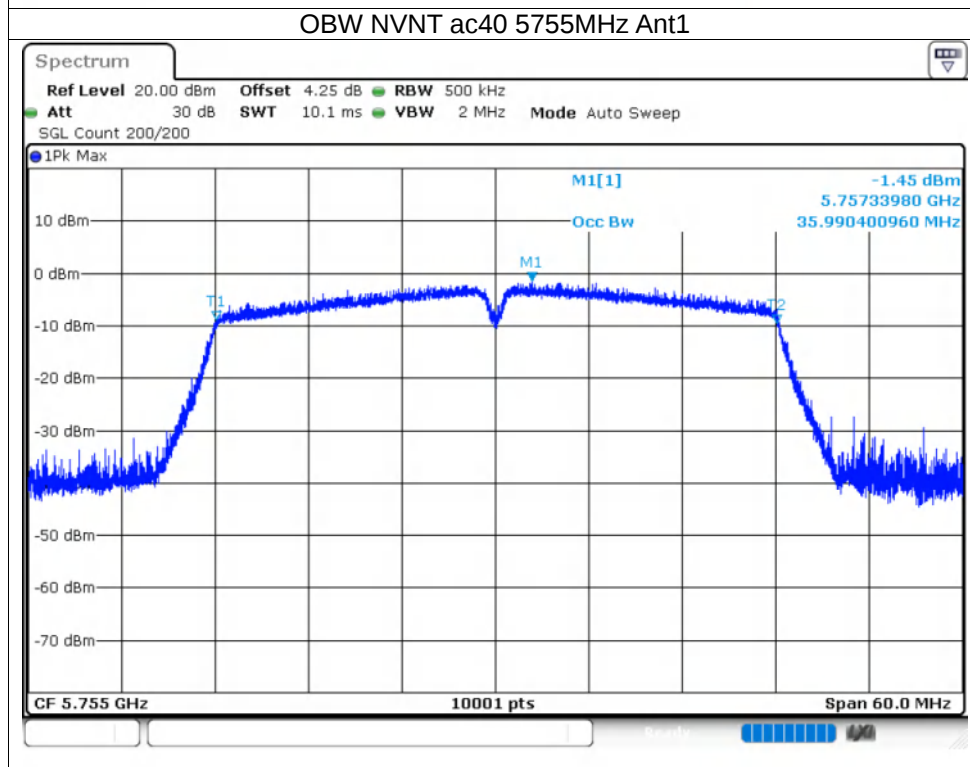
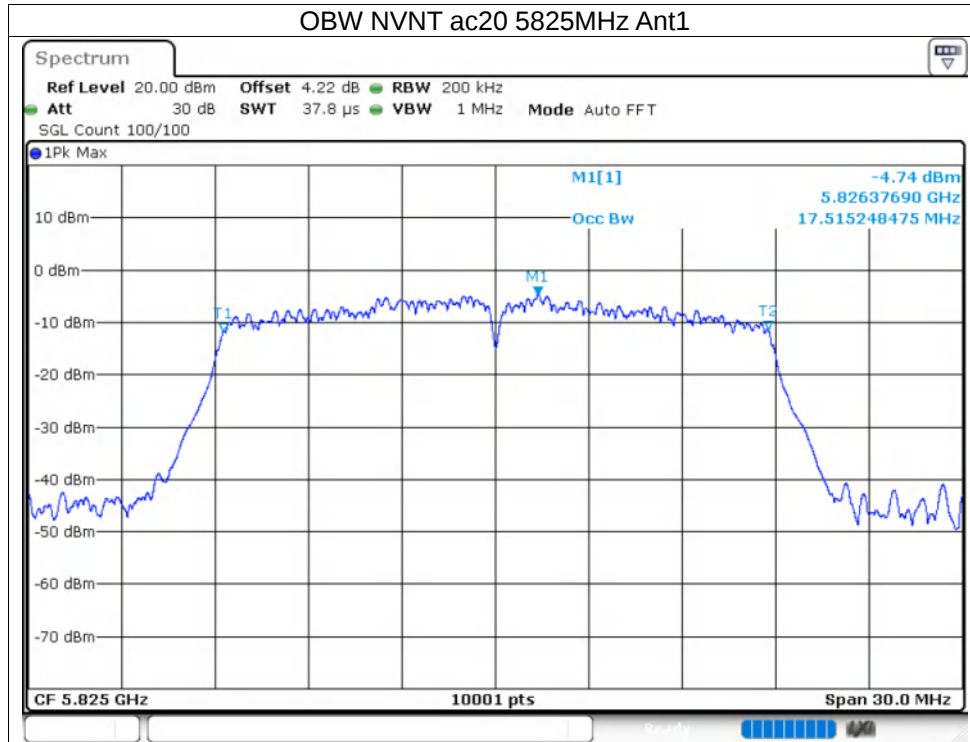


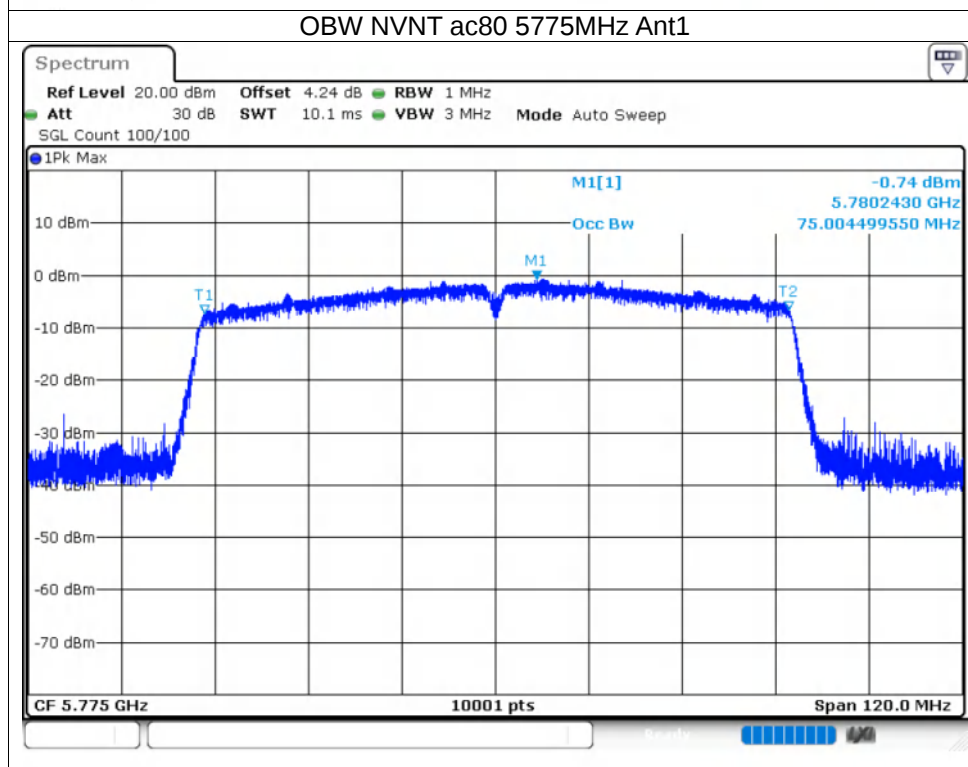
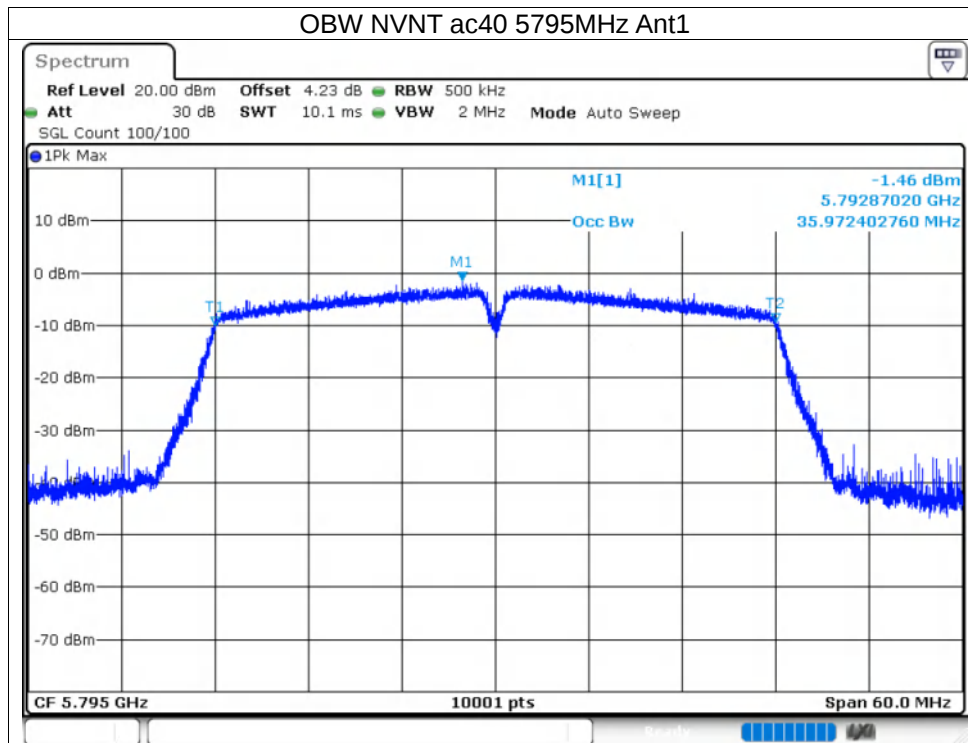
OBW NVNT ac20 5745MHz Ant1



OBW NVNT ac20 5785MHz Ant1







5.2.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

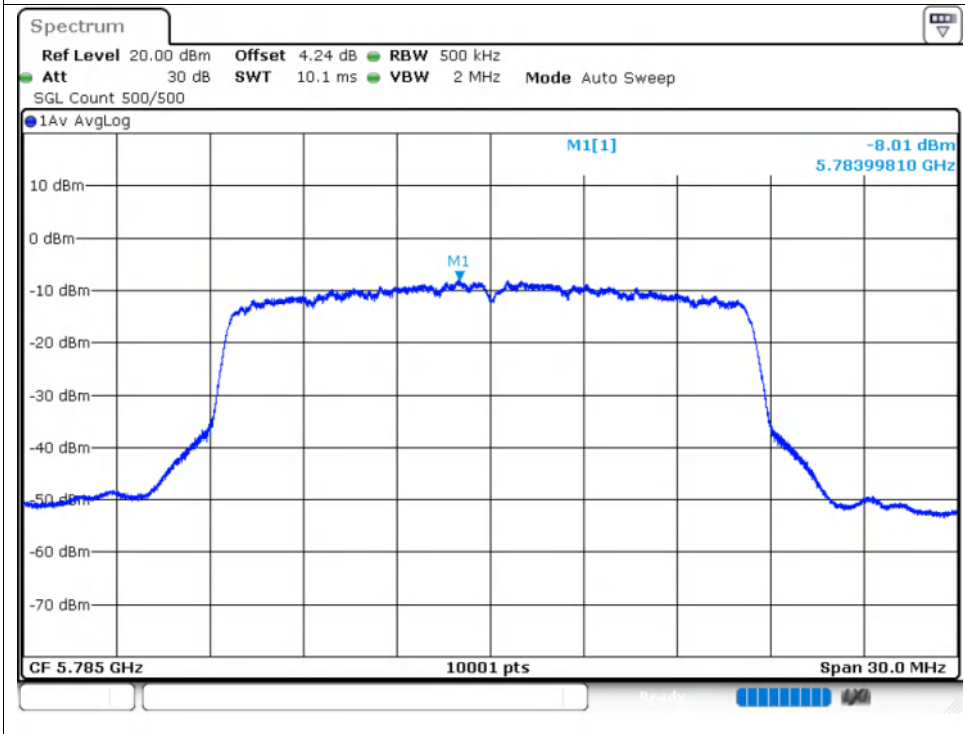
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-9.11	0.11	-9	30	Pass
NVNT	a	5785	Ant1	-8.01	0.1	-7.91	30	Pass
NVNT	a	5825	Ant1	-9.04	0.11	-8.93	30	Pass
NVNT	n20	5745	Ant1	-9.89	0.11	-9.78	30	Pass
NVNT	n20	5785	Ant1	-8.36	0.11	-8.25	30	Pass
NVNT	n20	5825	Ant1	-9.86	0.11	-9.75	30	Pass
NVNT	n40	5755	Ant1	-13.42	0.22	-13.2	30	Pass
NVNT	n40	5795	Ant1	-13.62	0.22	-13.4	30	Pass
NVNT	ac20	5745	Ant1	-9.71	0.11	-9.6	30	Pass
NVNT	ac20	5785	Ant1	-8.5	0.11	-8.39	30	Pass
NVNT	ac20	5825	Ant1	-9.93	0.11	-9.82	30	Pass
NVNT	ac40	5755	Ant1	-13.36	0.22	-13.14	30	Pass
NVNT	ac40	5795	Ant1	-13.13	0.22	-12.91	30	Pass
NVNT	ac80	5775	Ant1	-17.74	0.43	-17.31	30	Pass

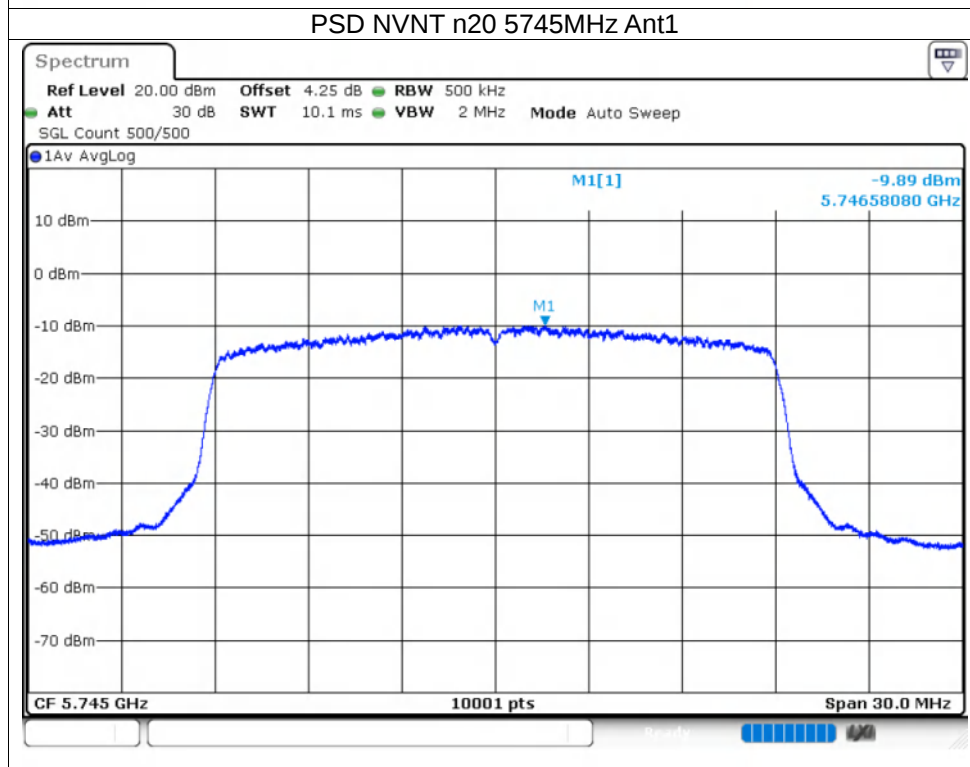
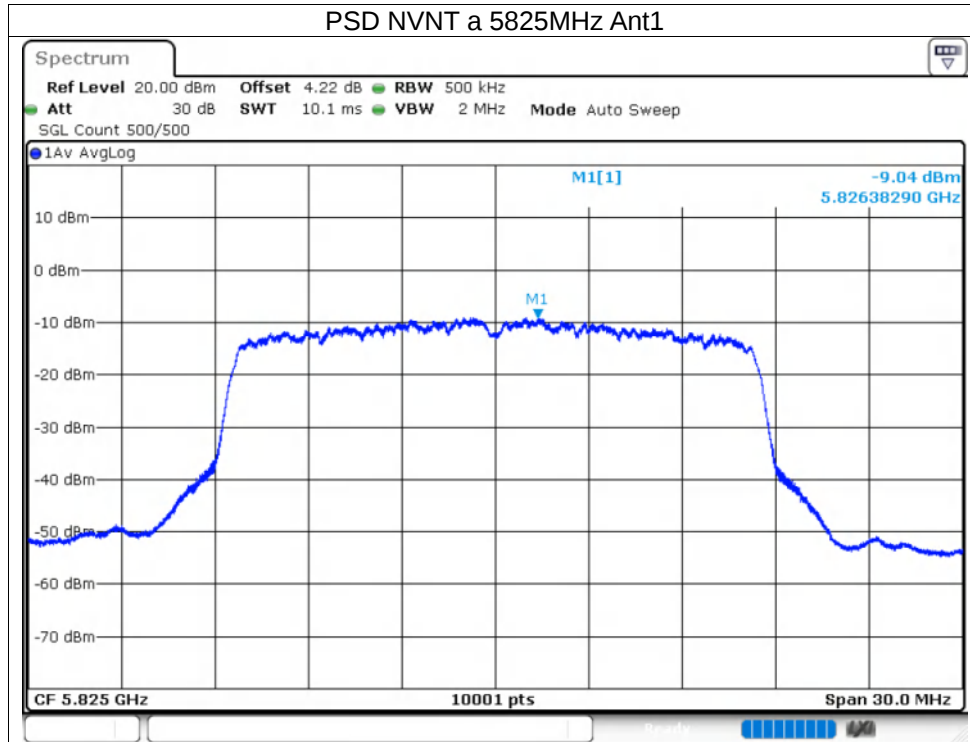
Test Graphs

PSD NVNT a 5745MHz Ant1

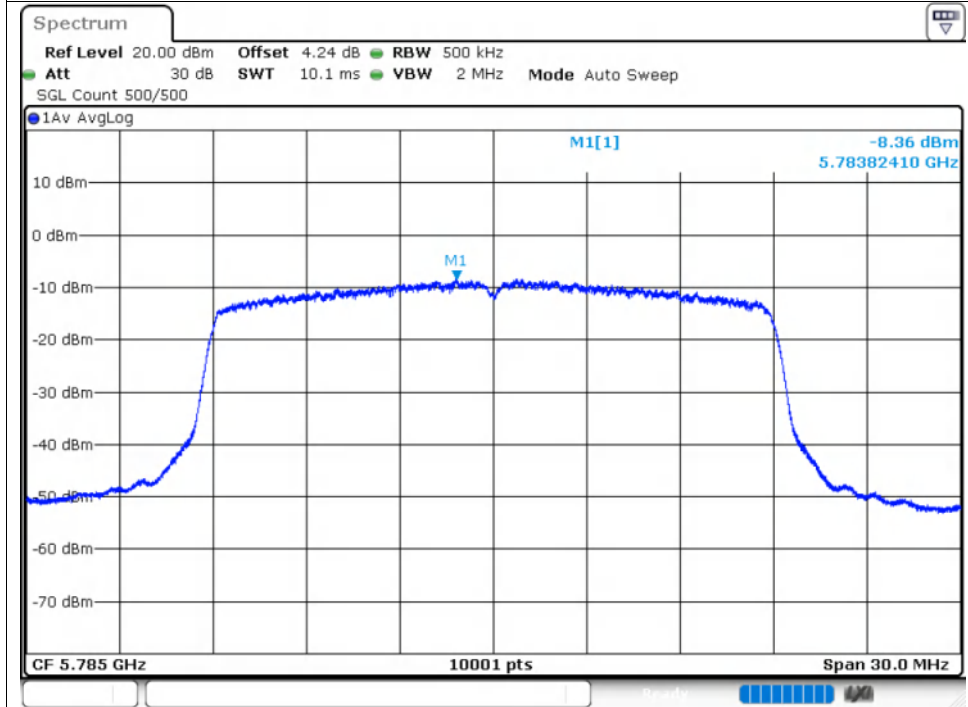


PSD NVNT a 5785MHz Ant1

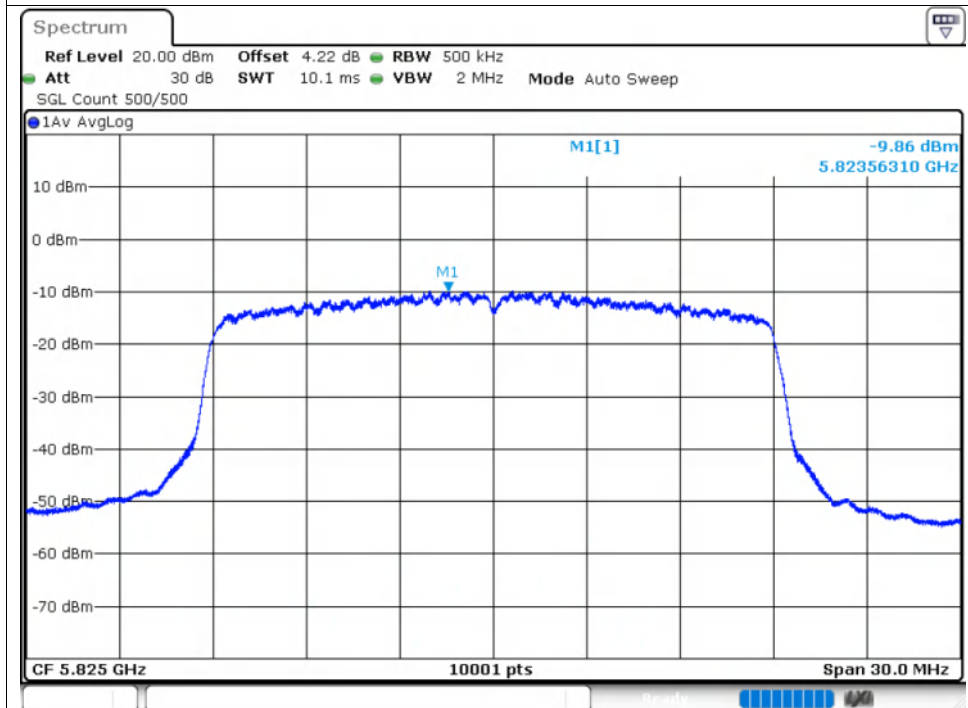




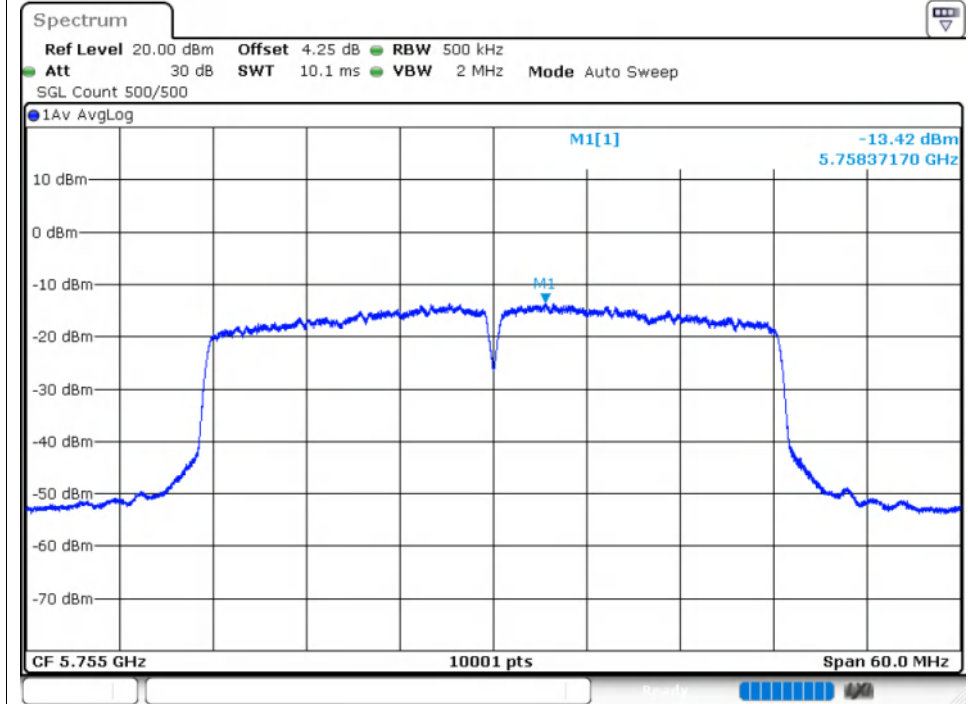
PSD NVNT n20 5785MHz Ant1



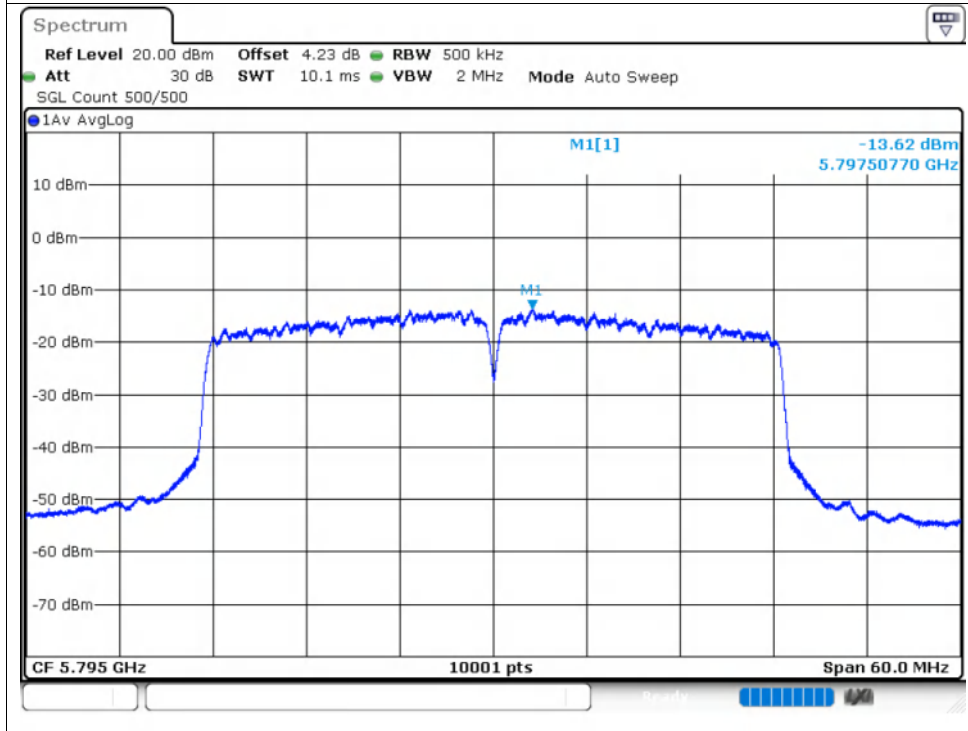
PSD NVNT n20 5825MHz Ant1

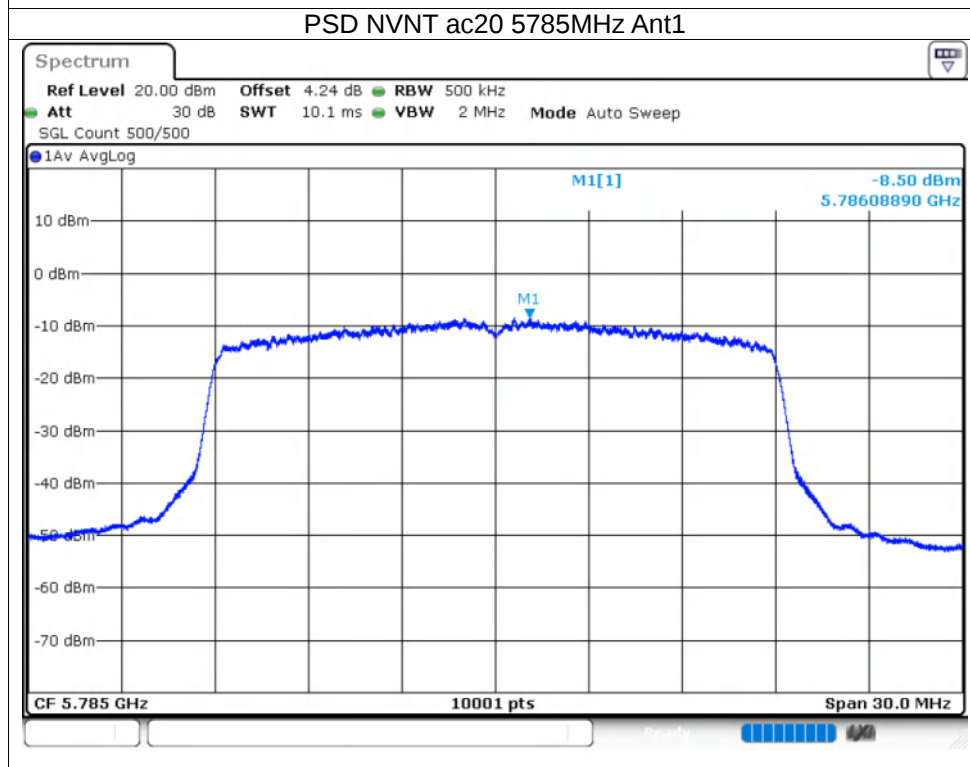
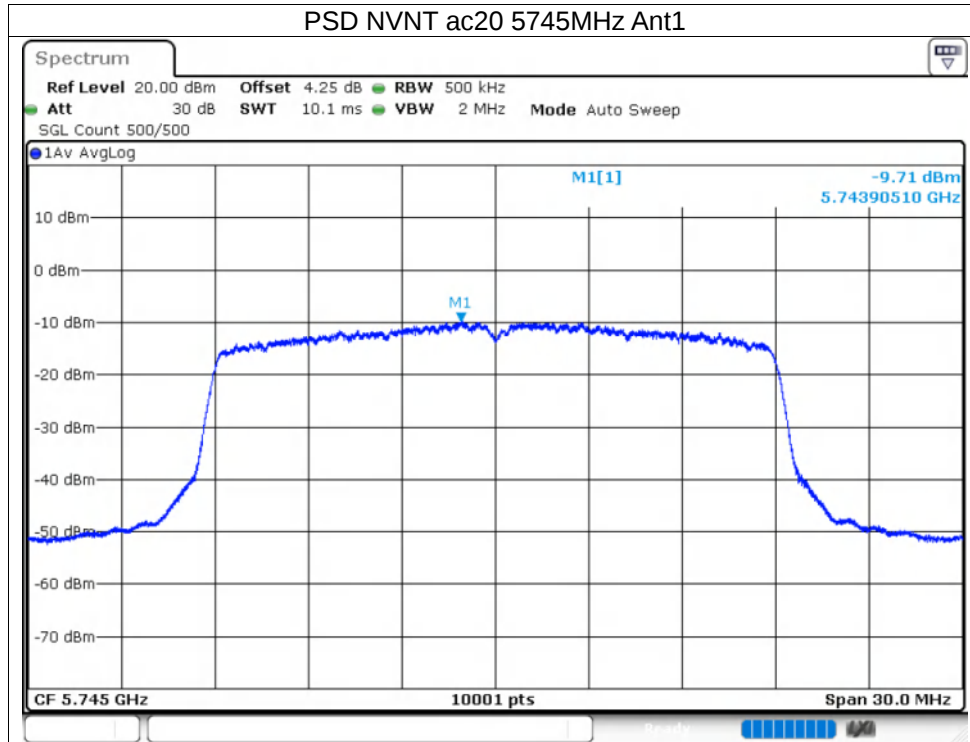


PSD NVNT n40 5755MHz Ant1

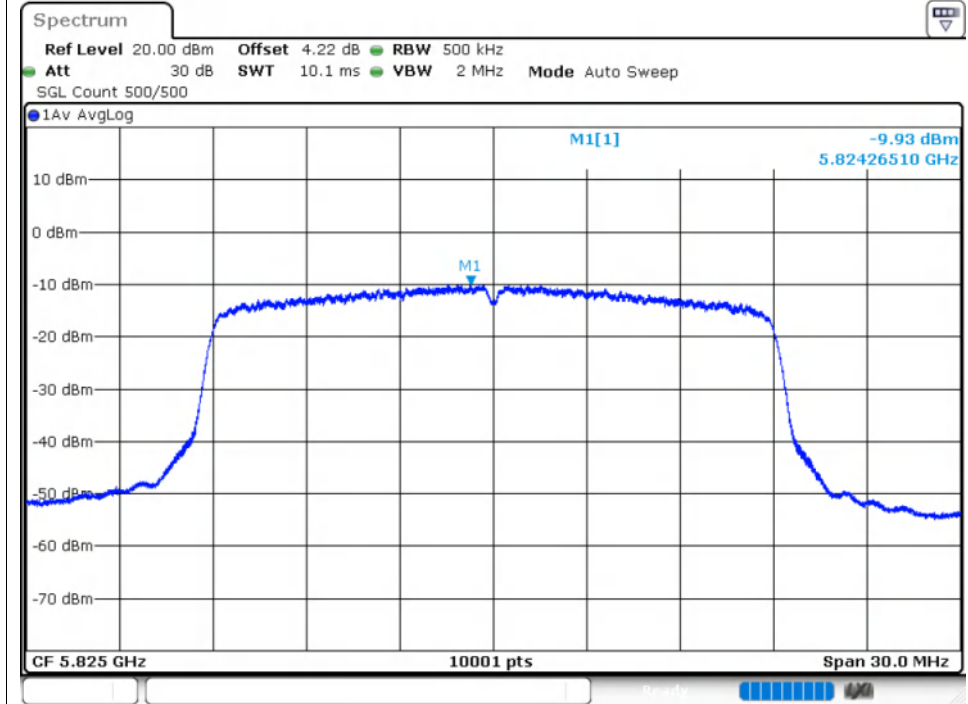


PSD NVNT n40 5795MHz Ant1

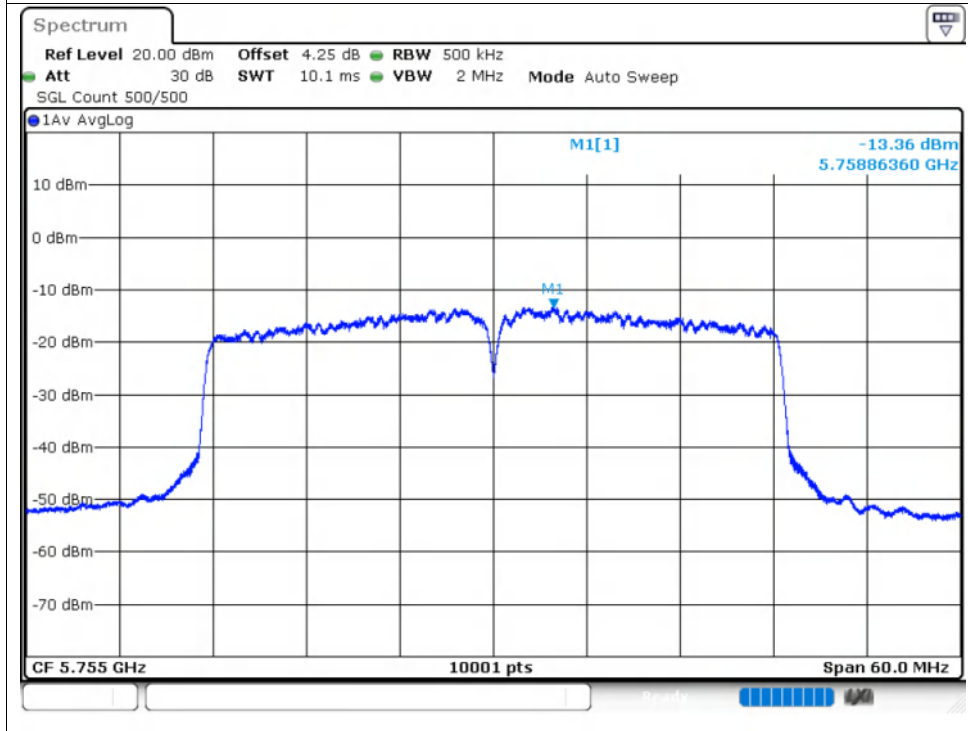


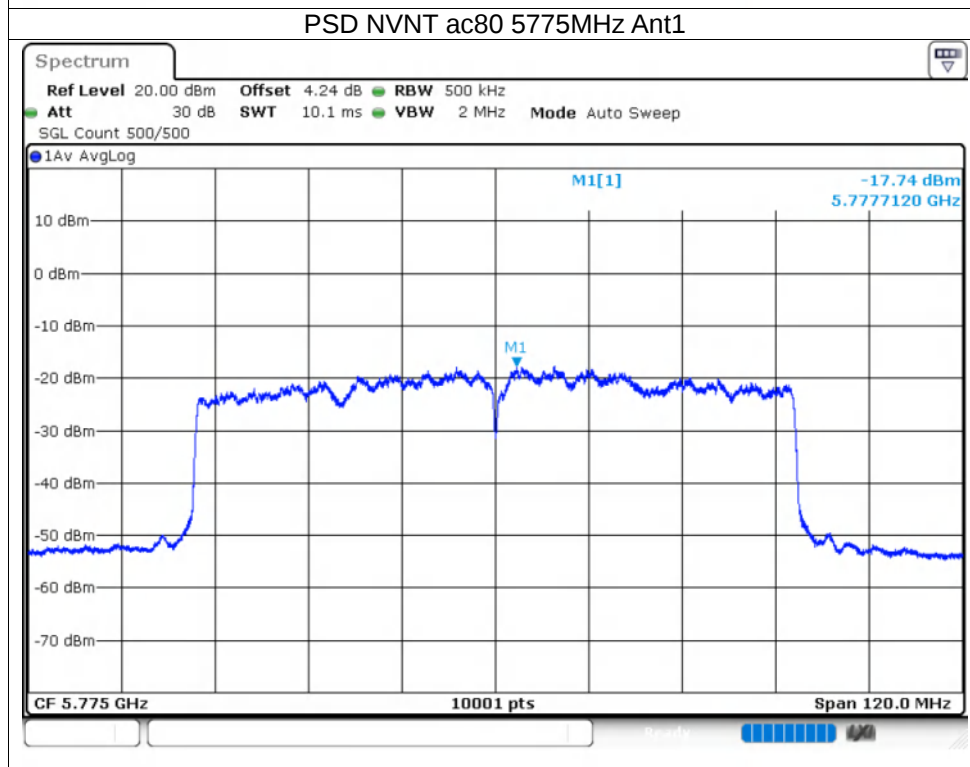
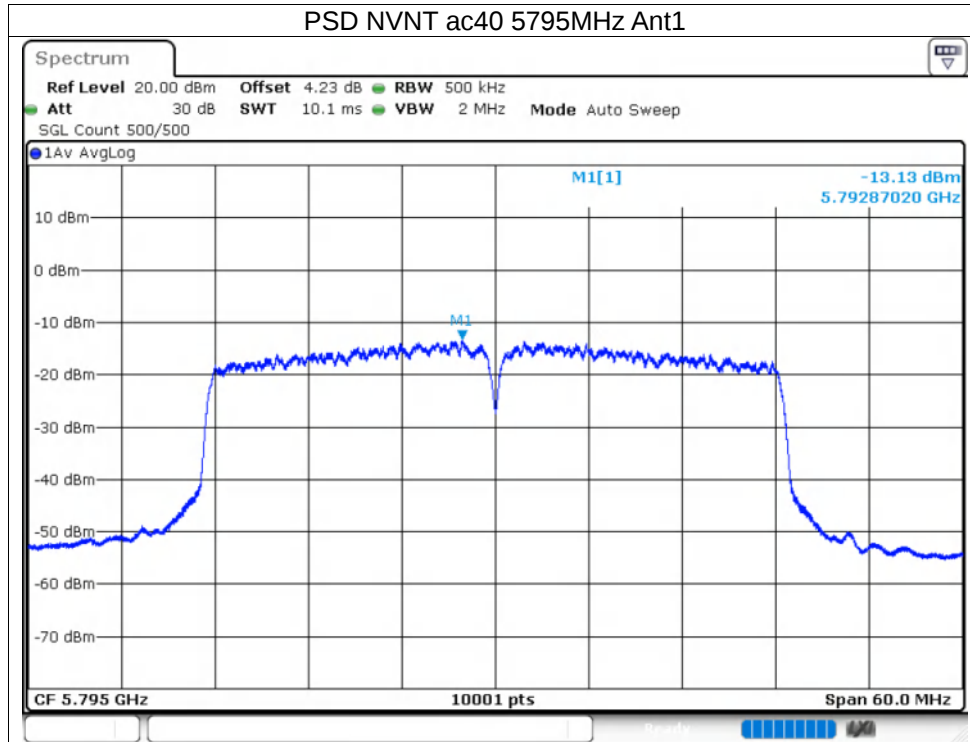


PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5755MHz Ant1



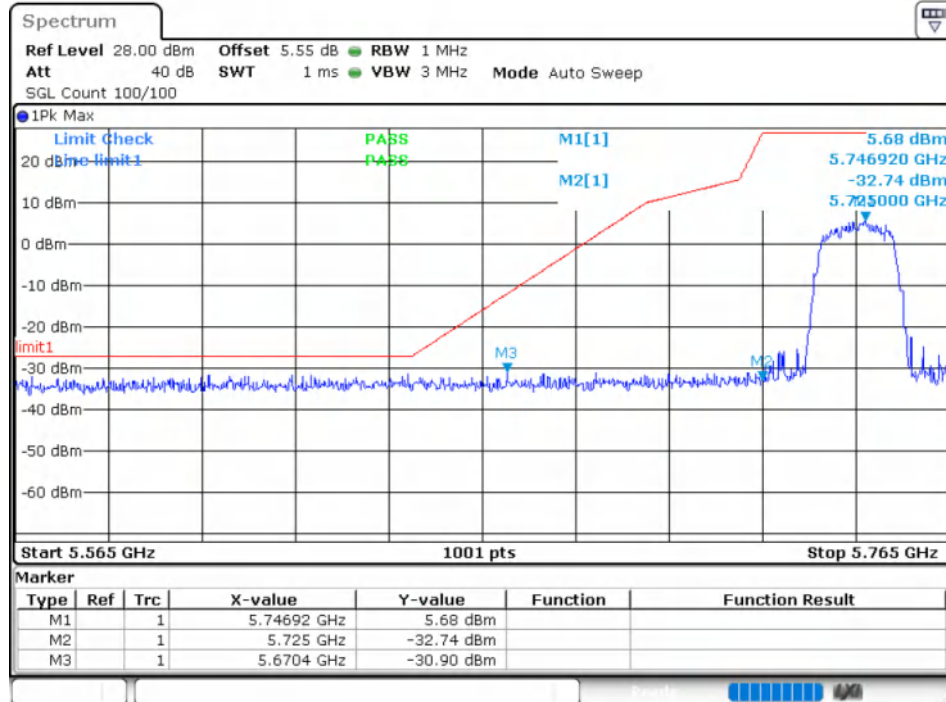


5.2.6 BAND EDGE

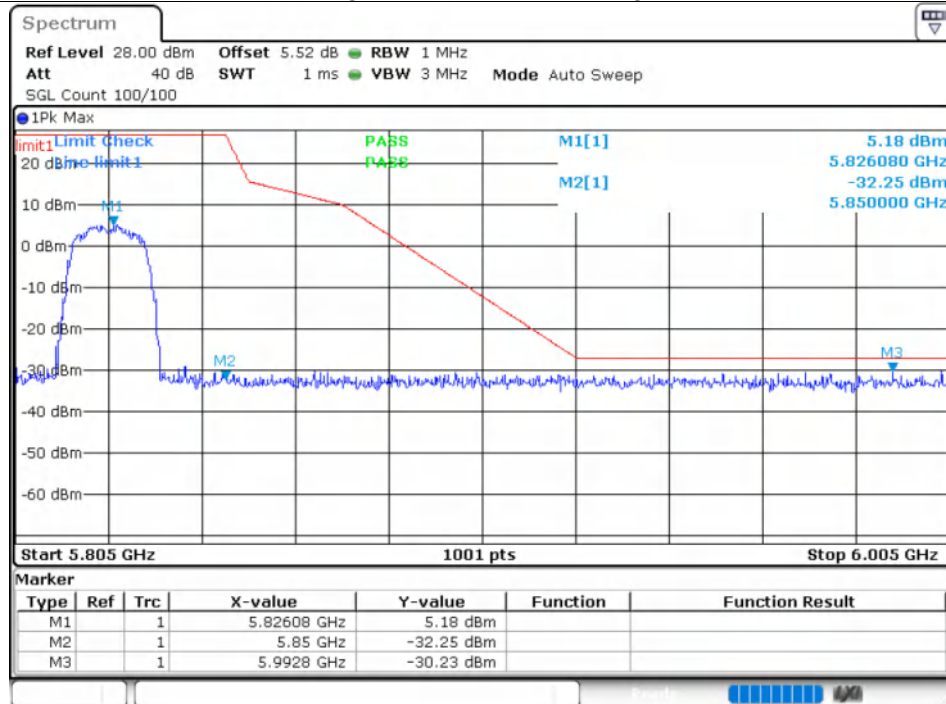
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-30.9	Pass
NVNT	a	5825	Ant1	-30.22	Pass
NVNT	n20	5745	Ant1	-30.25	Pass
NVNT	n20	5825	Ant1	-29.18	Pass
NVNT	n40	5755	Ant1	-23.42	Pass
NVNT	n40	5795	Ant1	-30.24	Pass
NVNT	ac20	5745	Ant1	-30.63	Pass
NVNT	ac20	5825	Ant1	-30.42	Pass
NVNT	ac40	5755	Ant1	-28.98	Pass
NVNT	ac40	5795	Ant1	-30.09	Pass
NVNT	ac80	5775	Ant1	-32.84	Pass

Test Graphs

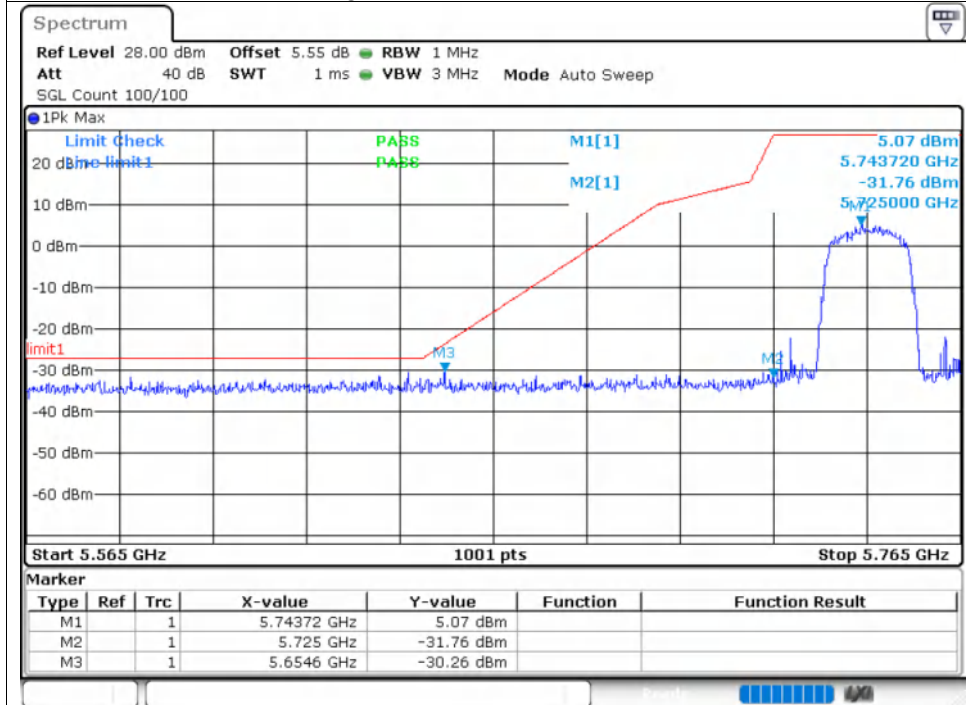
Band Edge NVNT a 5745MHz Low Ant1



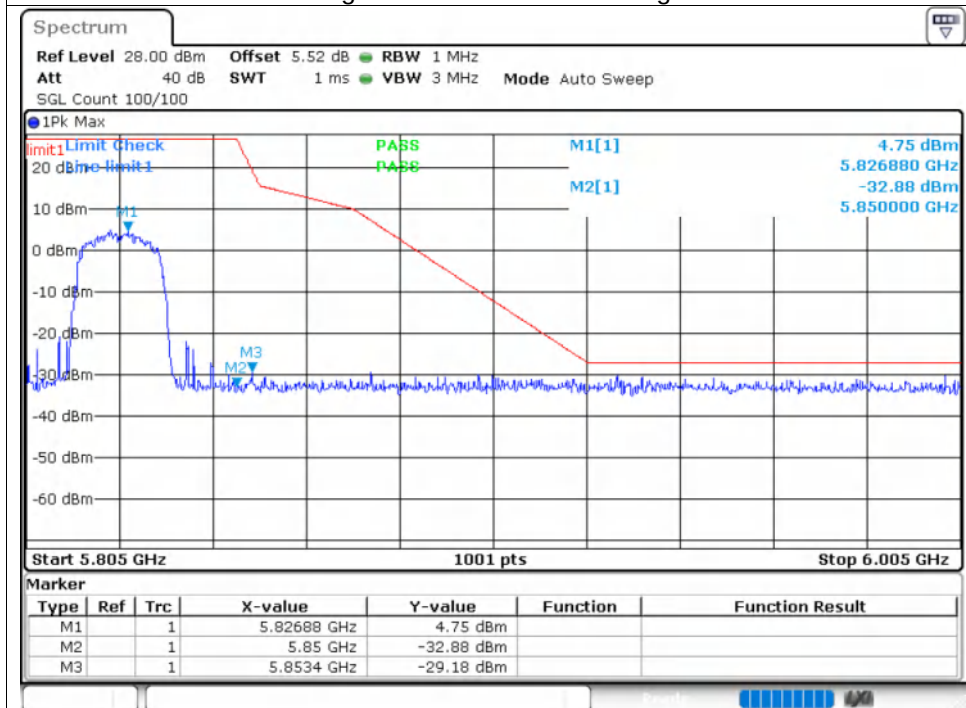
Band Edge NVNT a 5825MHz High Ant1



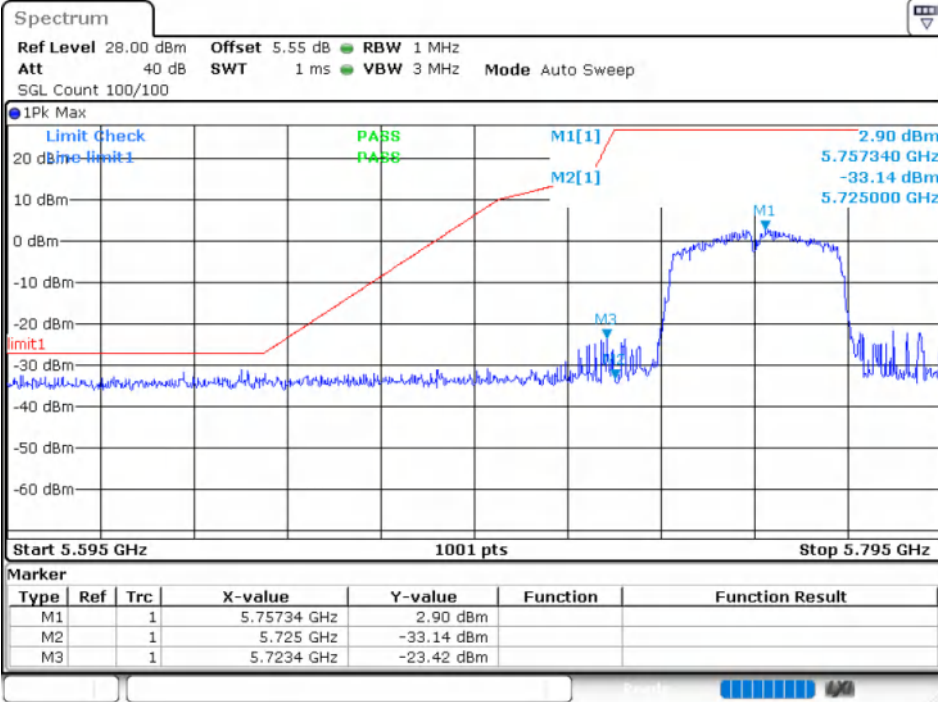
Band Edge NVNT n20 5745MHz Low Ant1



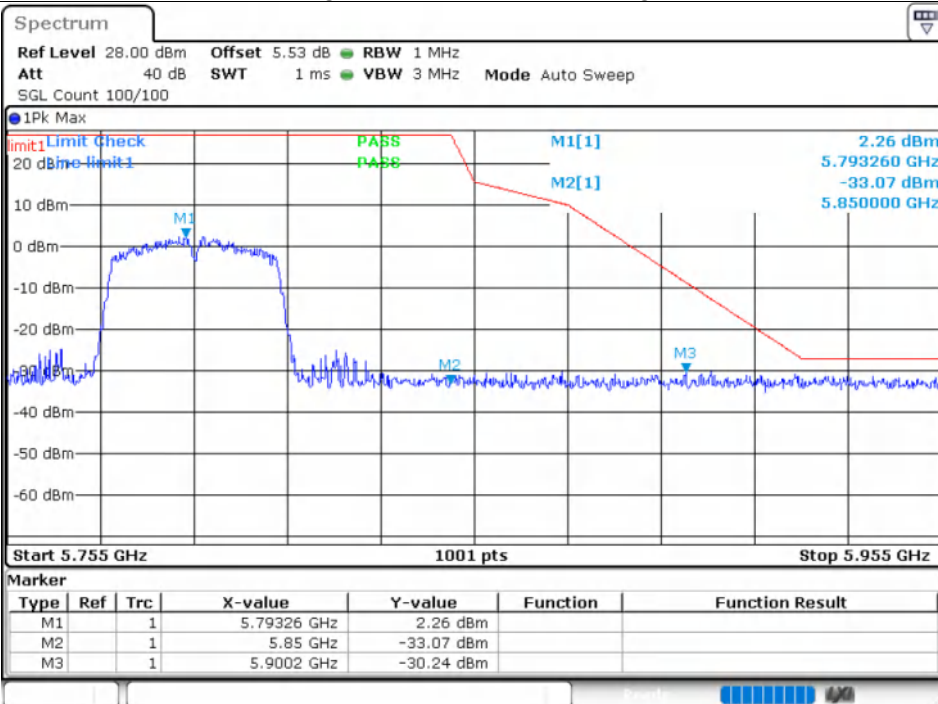
Band Edge NVNT n20 5825MHz High Ant1



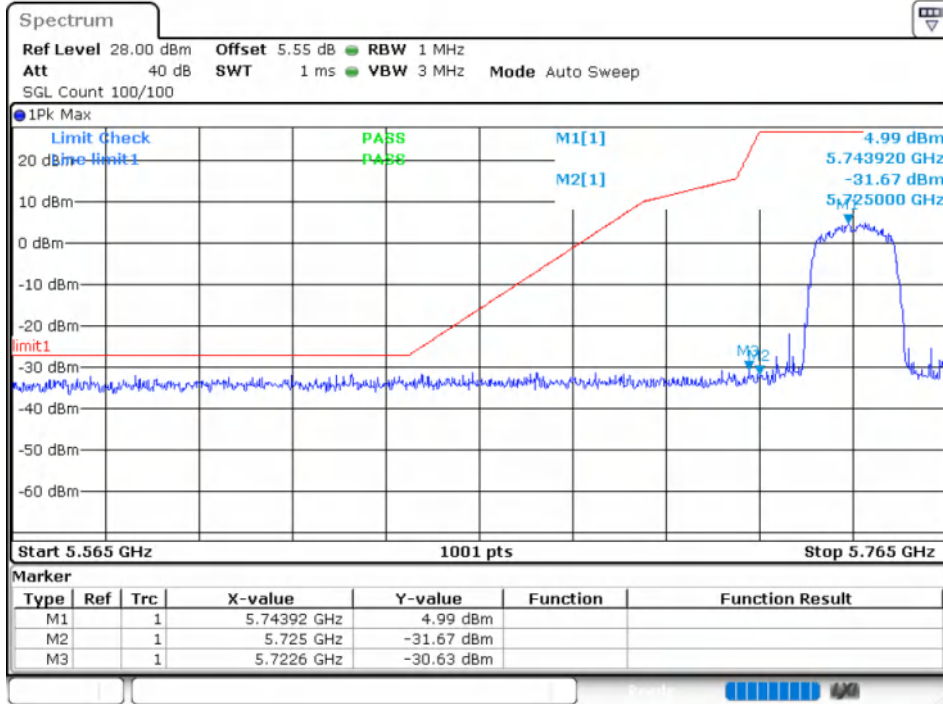
Band Edge NVNT n40 5755MHz Low Ant1



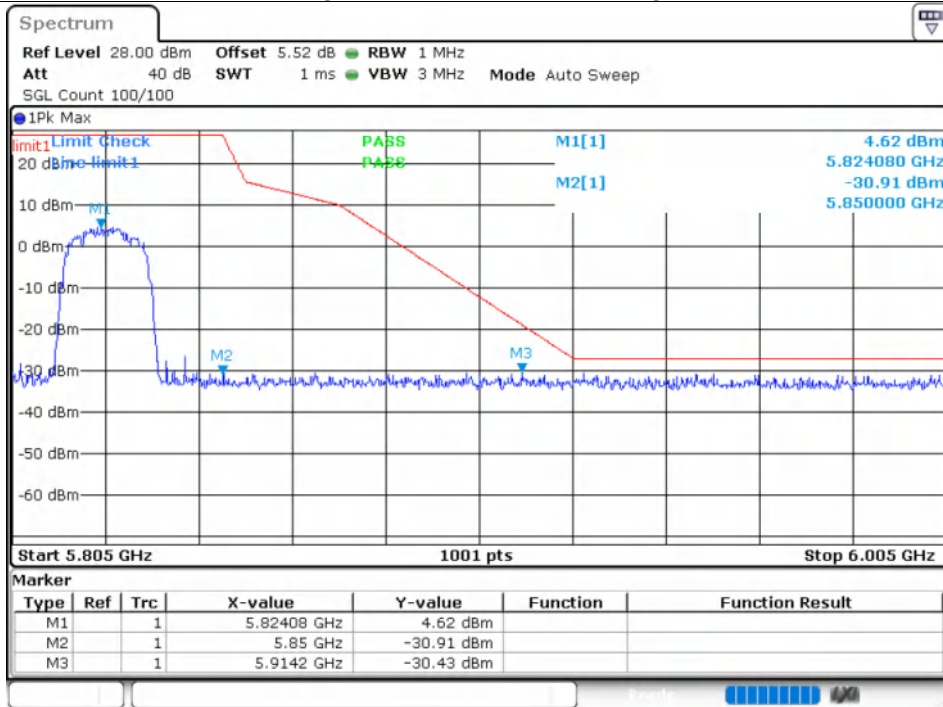
Band Edge NVNT n40 5795MHz High Ant1



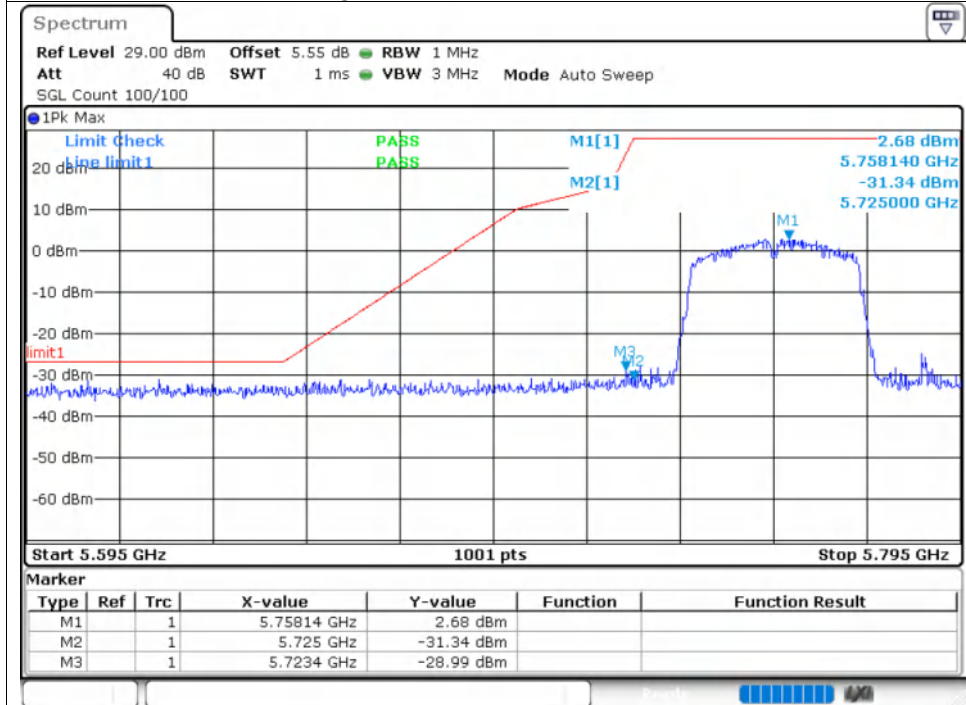
Band Edge NVNT ac20 5745MHz Low Ant1



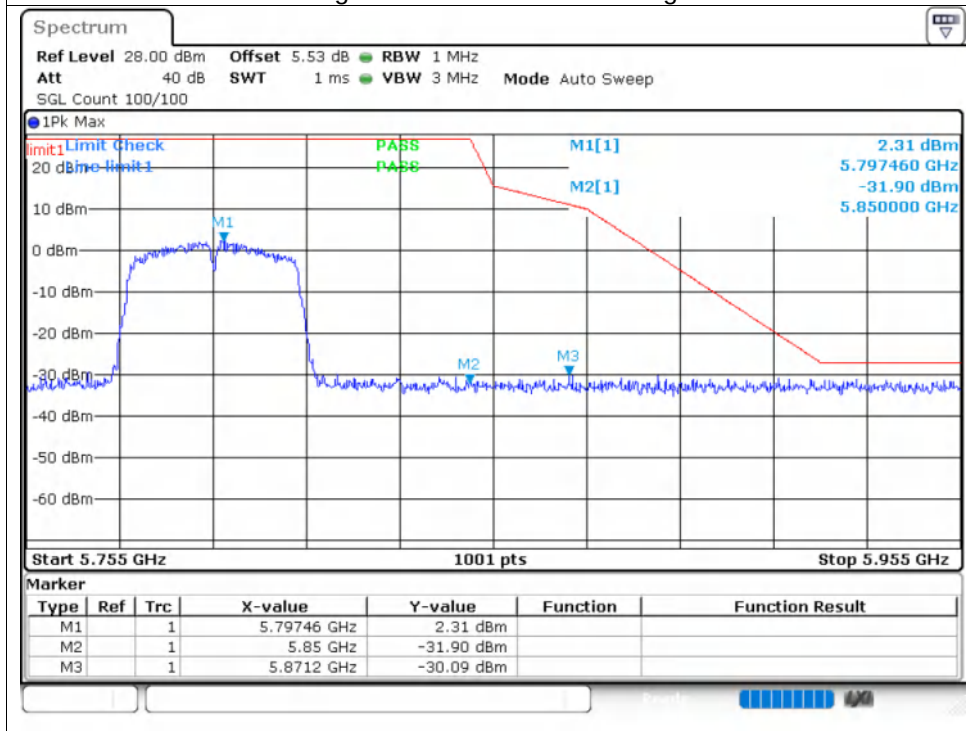
Band Edge NVNT ac20 5825MHz High Ant1

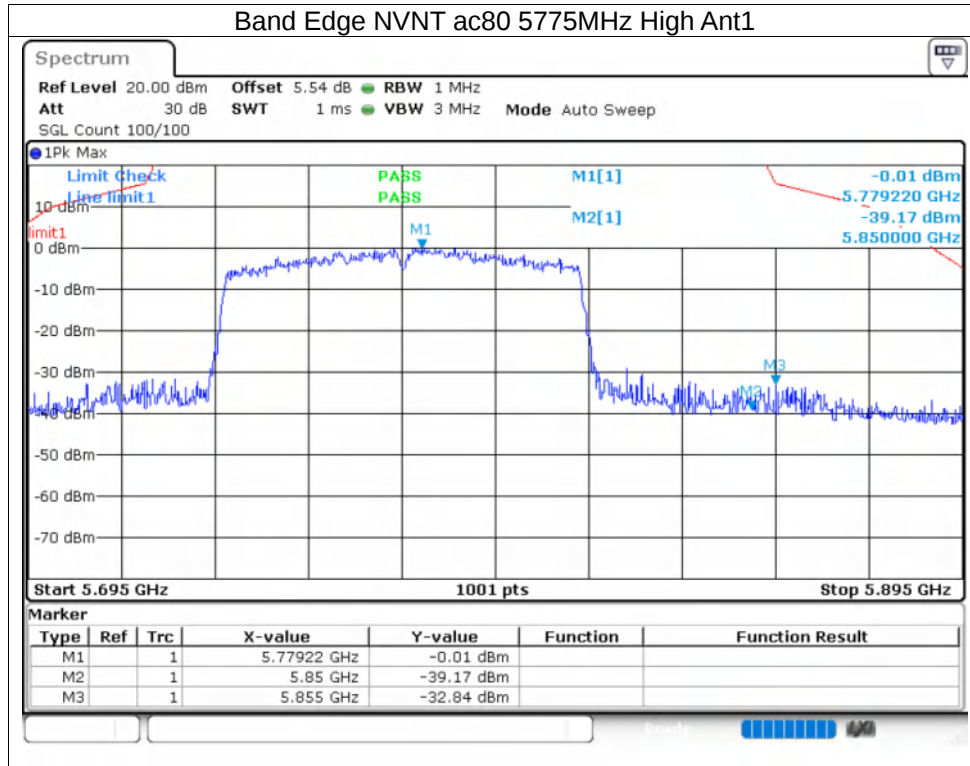


Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



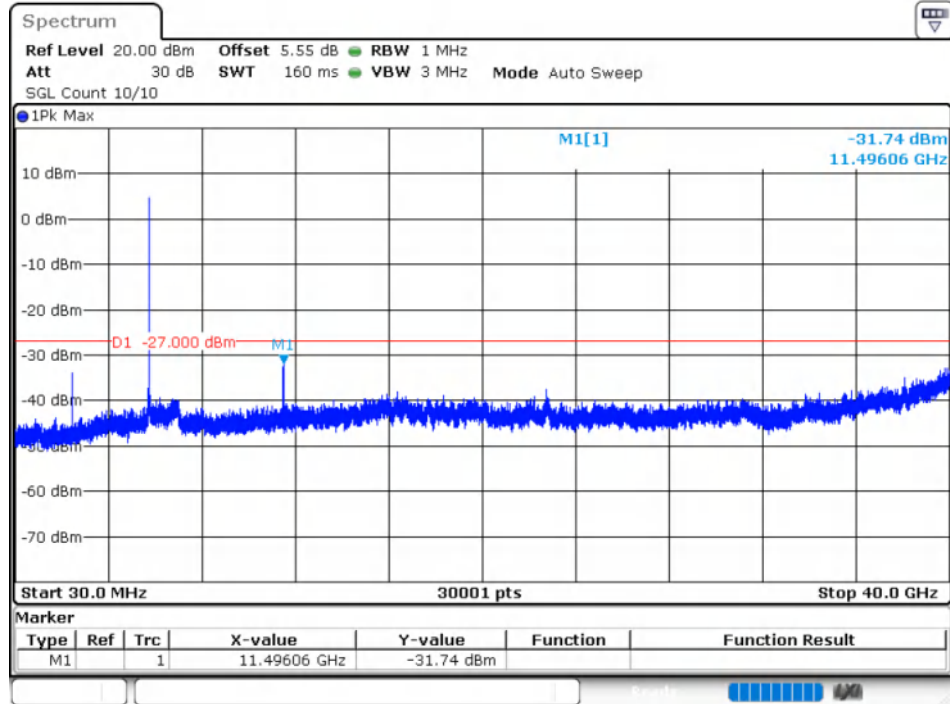


5.2.7 CONDUCTED RF SPURIOUS EMISSION

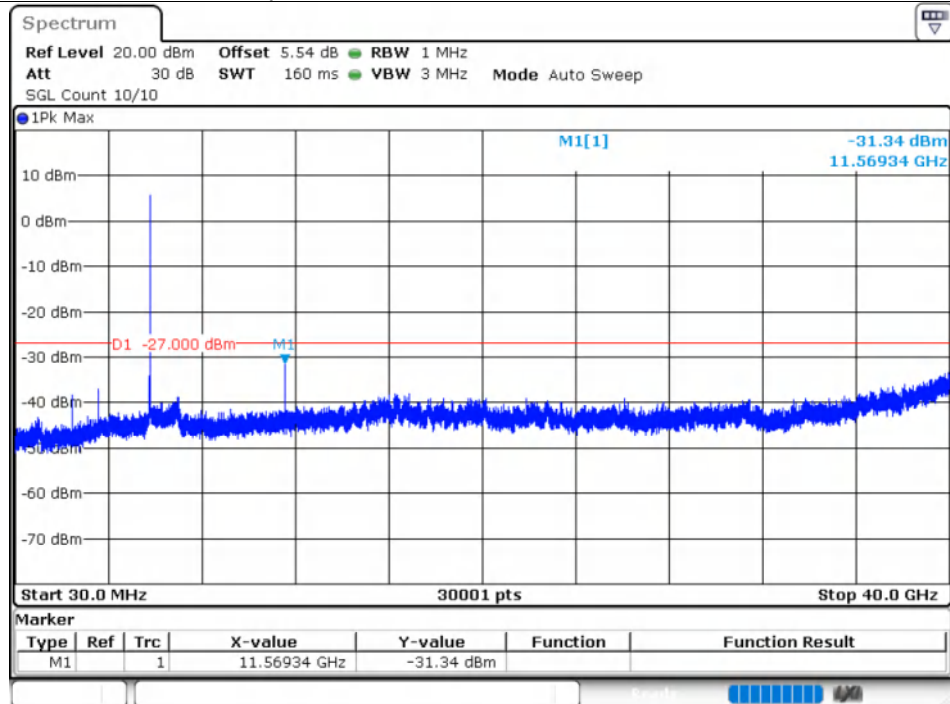
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-31.73	-27	Pass
NVNT	a	5785	Ant1	-31.34	-27	Pass
NVNT	a	5825	Ant1	-28.64	-27	Pass
NVNT	n20	5745	Ant1	-29.85	-27	Pass
NVNT	n20	5785	Ant1	-32.01	-27	Pass
NVNT	n20	5825	Ant1	-32.14	-27	Pass
NVNT	n40	5755	Ant1	-32.12	-27	Pass
NVNT	n40	5795	Ant1	-32.48	-27	Pass
NVNT	ac20	5745	Ant1	-31.49	-27	Pass
NVNT	ac20	5785	Ant1	-31.02	-27	Pass
NVNT	ac20	5825	Ant1	-32.43	-27	Pass
NVNT	ac40	5755	Ant1	-31.44	-27	Pass
NVNT	ac40	5795	Ant1	-27.41	-27	Pass
NVNT	ac80	5775	Ant1	-33.24	-27	Pass

Test Graphs

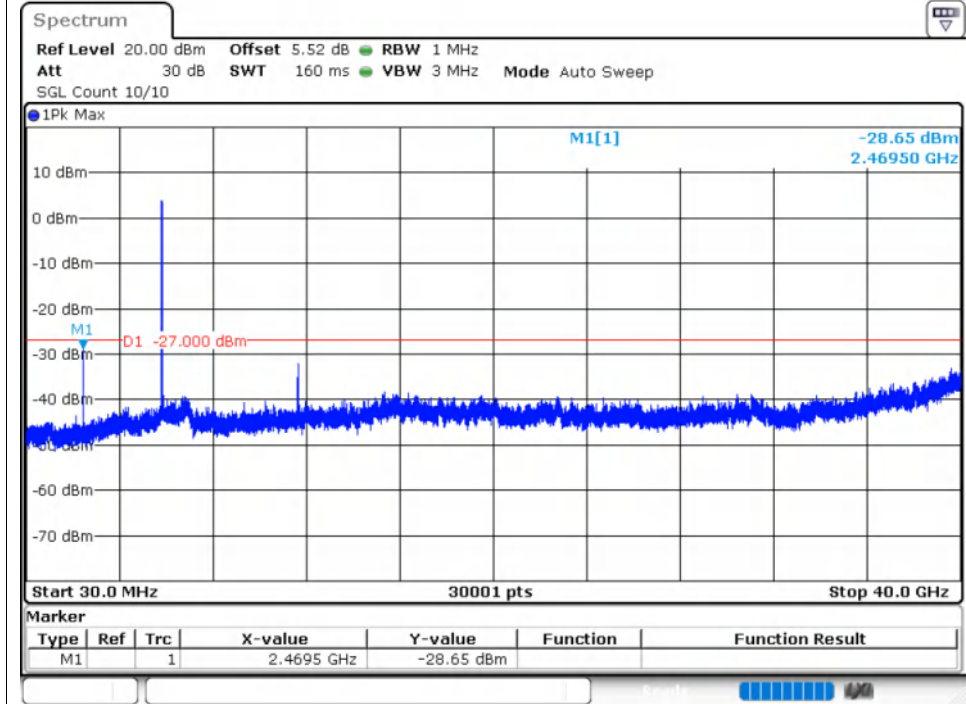
Tx. Spurious NVNT a 5745MHz Ant1 Emission



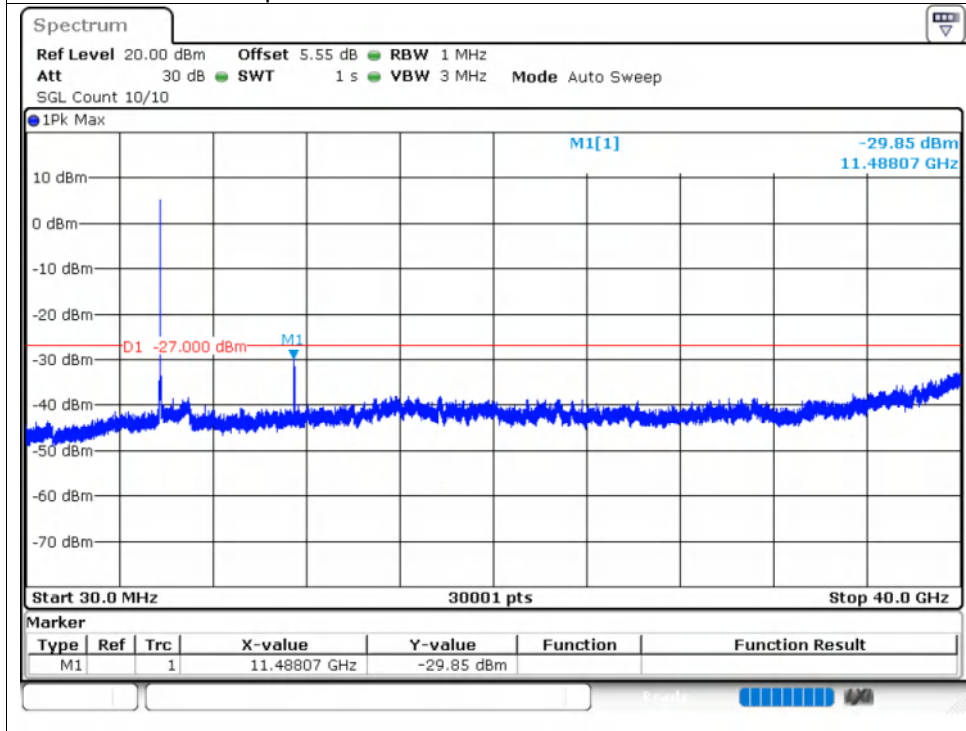
Tx. Spurious NVNT a 5785MHz Ant1 Emission



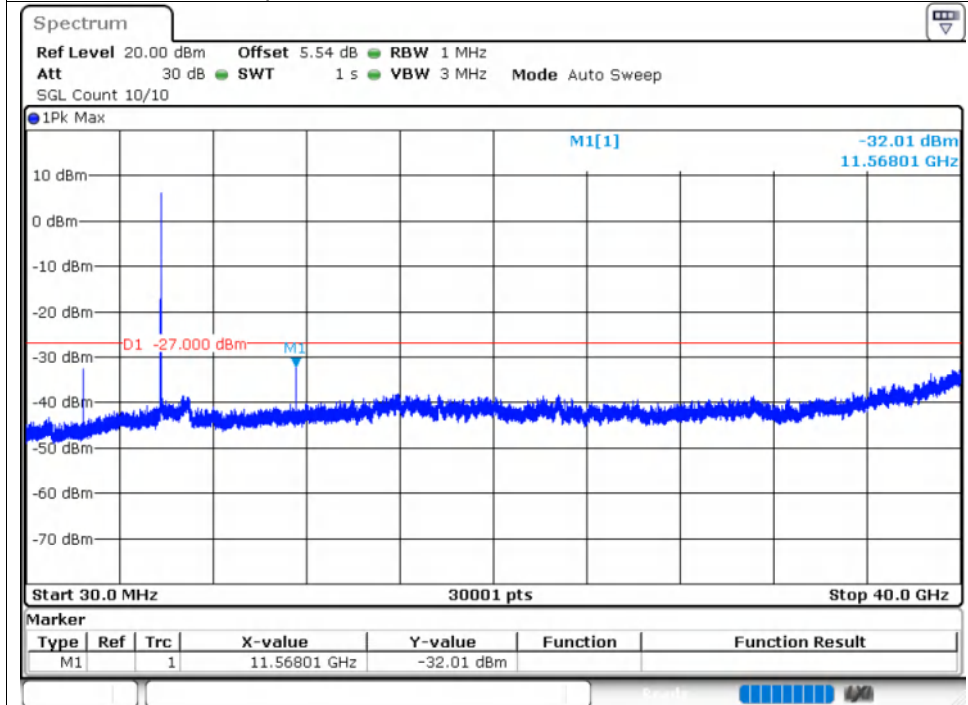
Tx. Spurious NVNT a 5825MHz Ant1 Emission



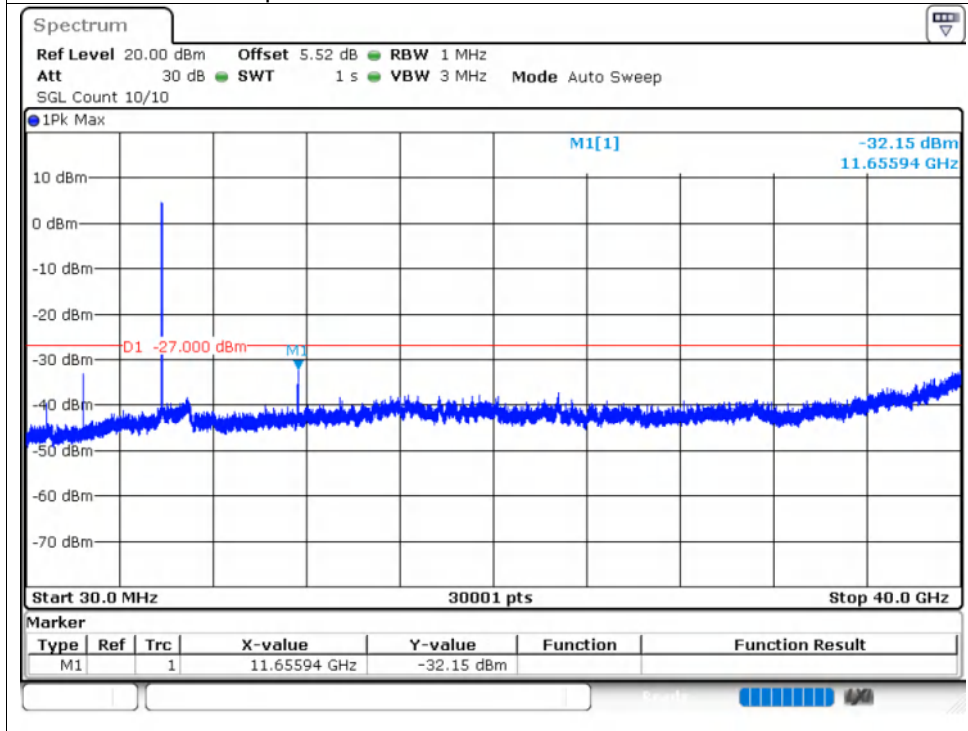
Tx. Spurious NVNT n20 5745MHz Ant1 Emission



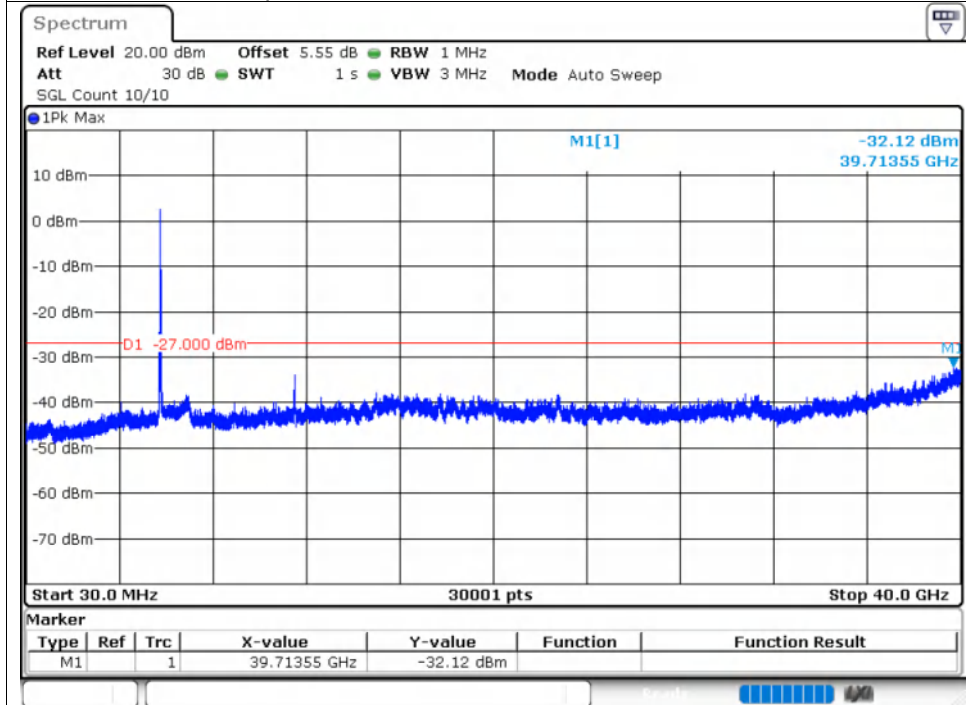
Tx. Spurious NVNT n20 5785MHz Ant1 Emission



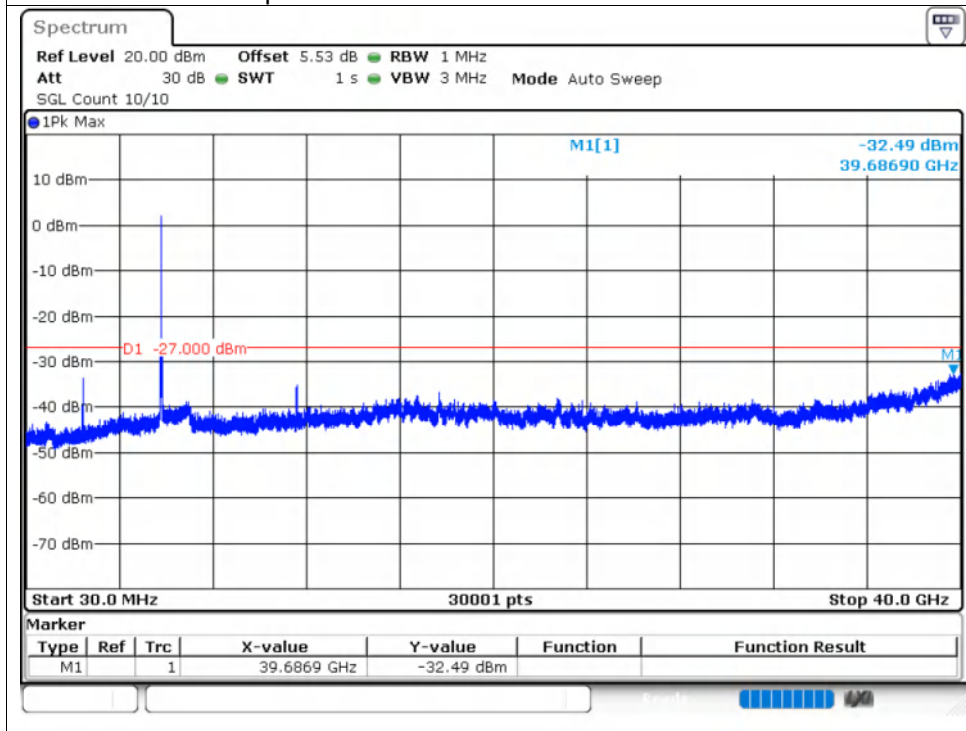
Tx. Spurious NVNT n20 5825MHz Ant1 Emission



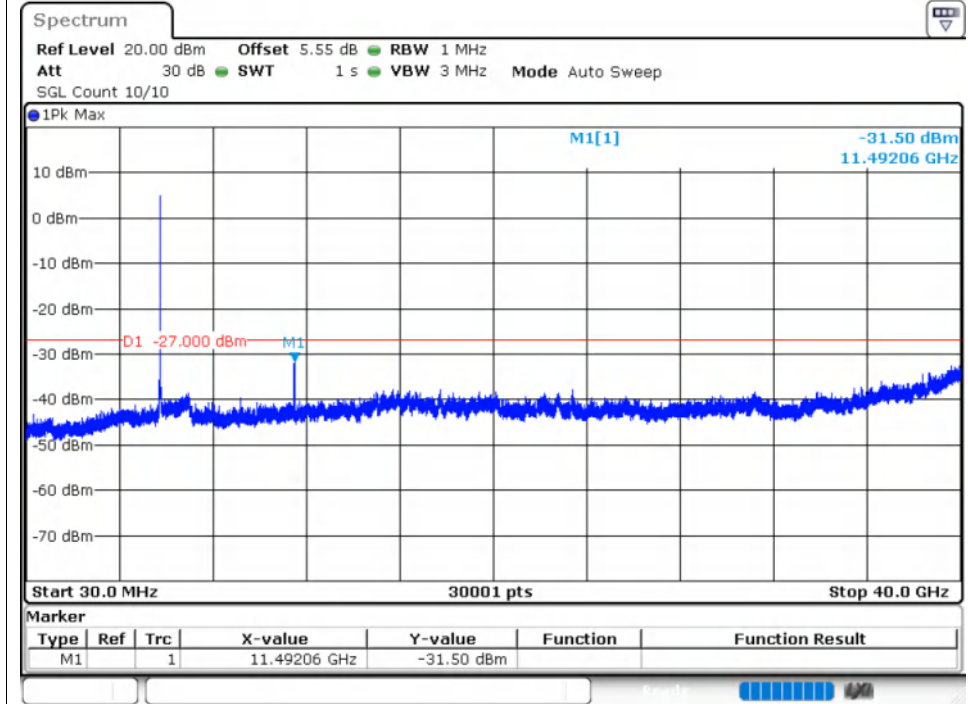
Tx. Spurious NVNT n40 5755MHz Ant1 Emission



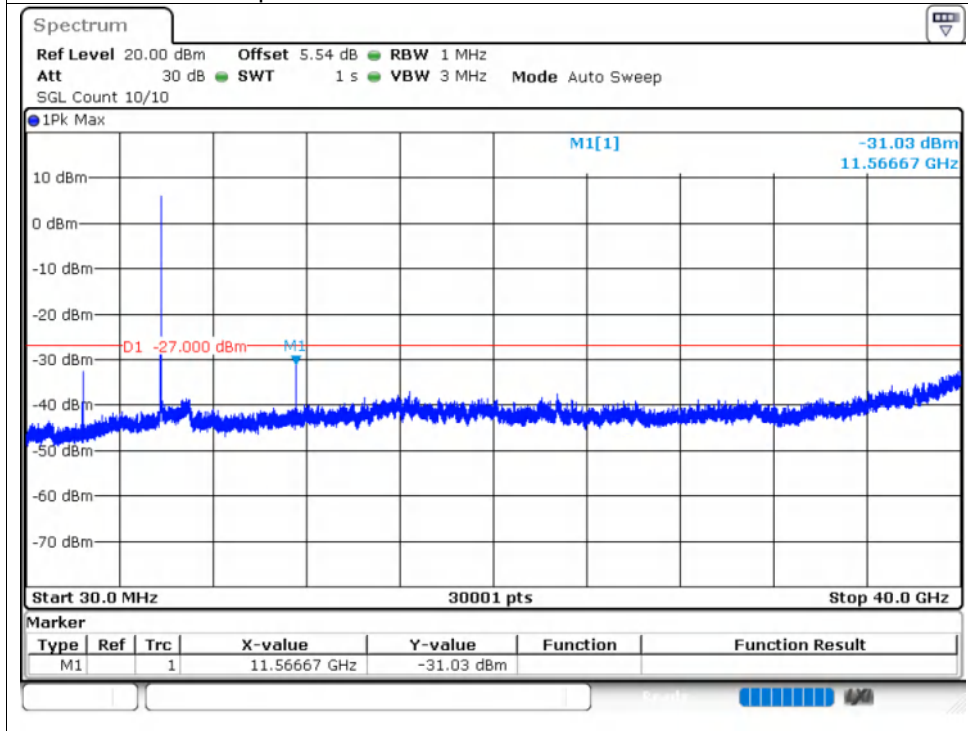
Tx. Spurious NVNT n40 5795MHz Ant1 Emission



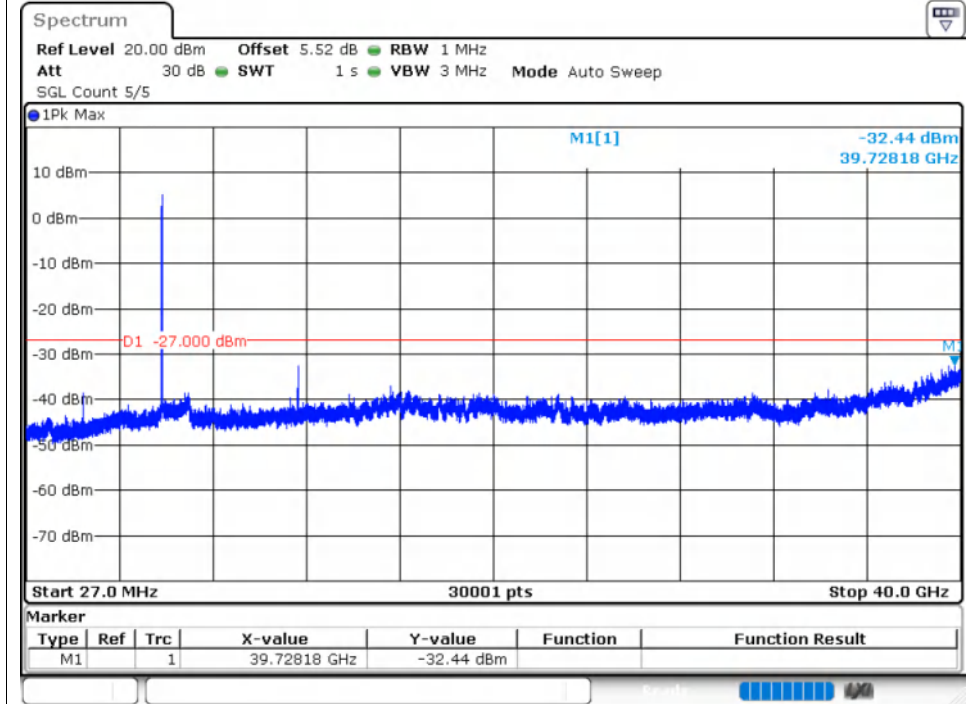
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



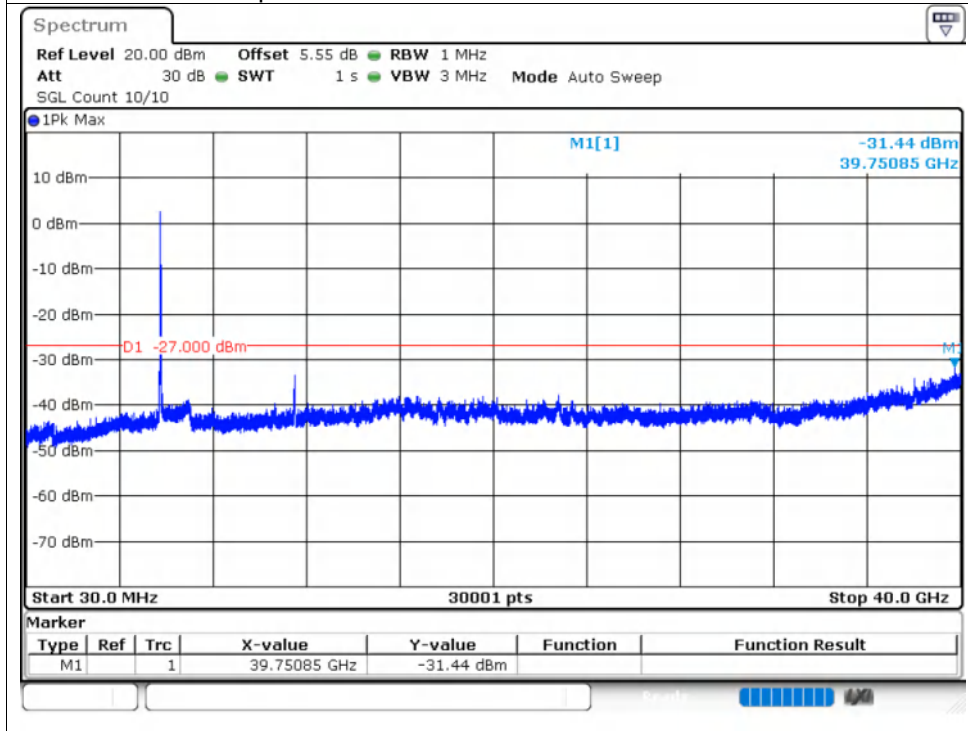
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission

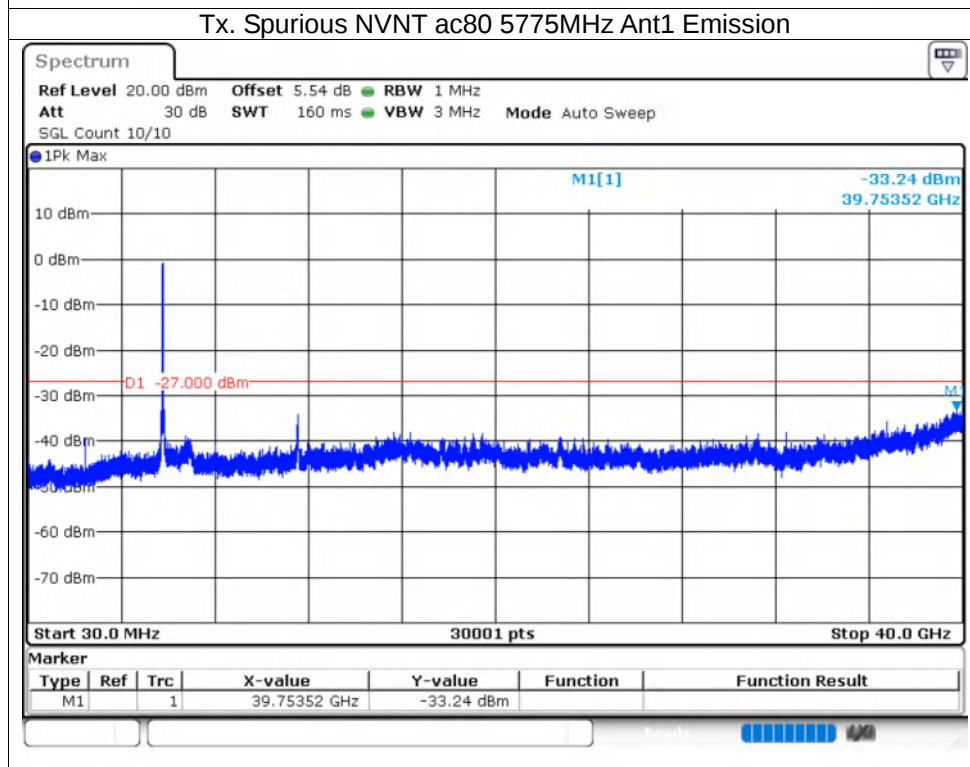
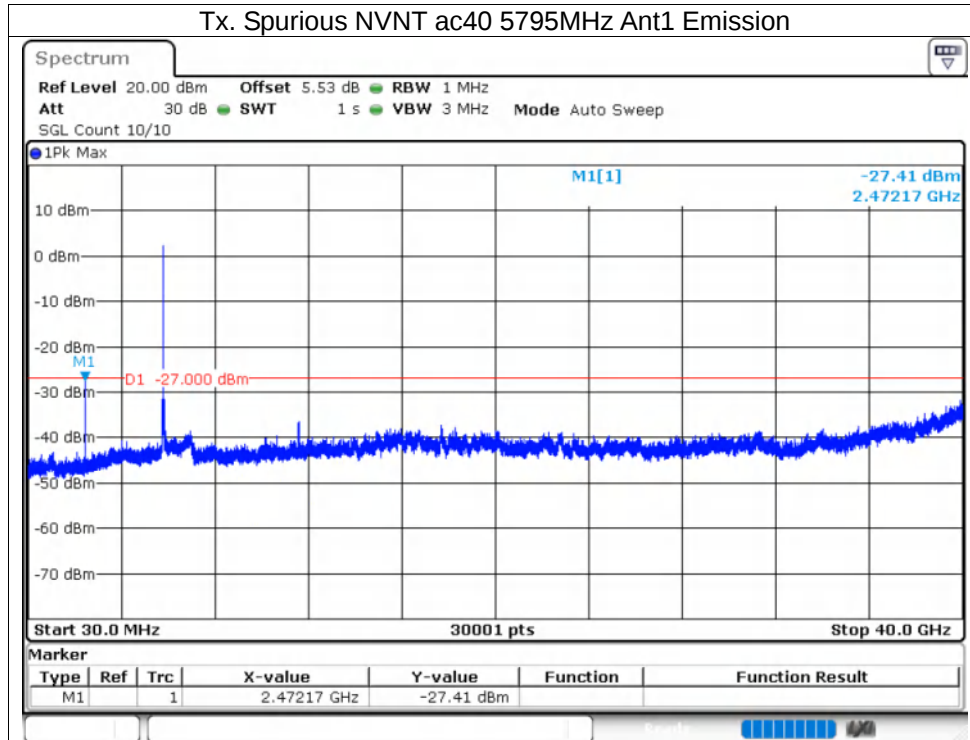


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission





END OF REPORT