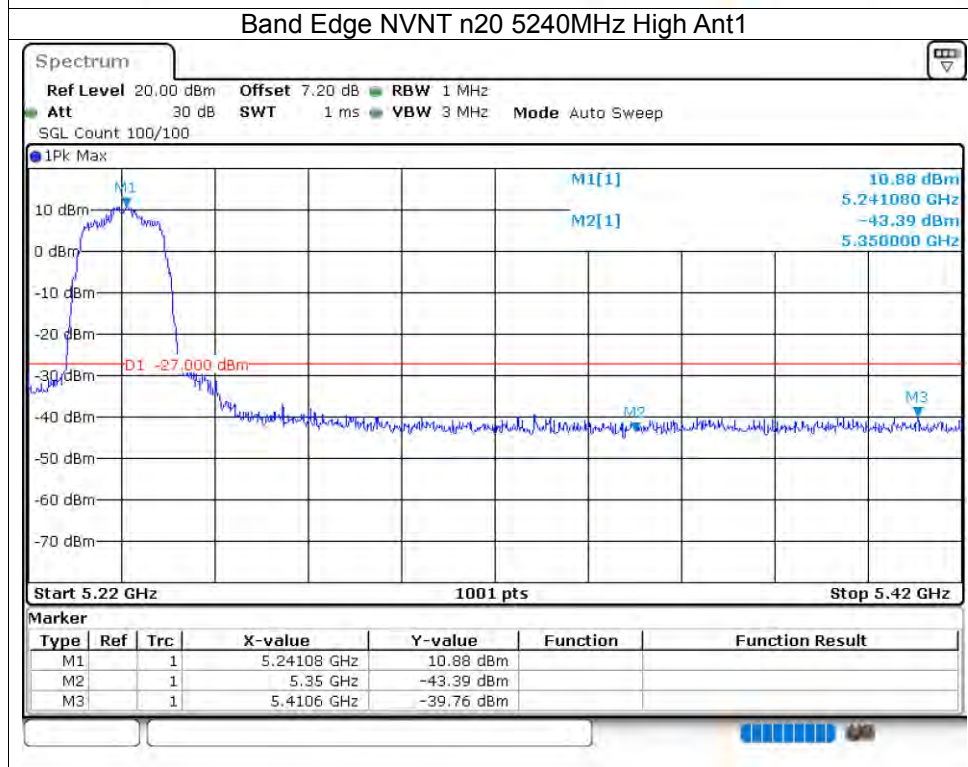
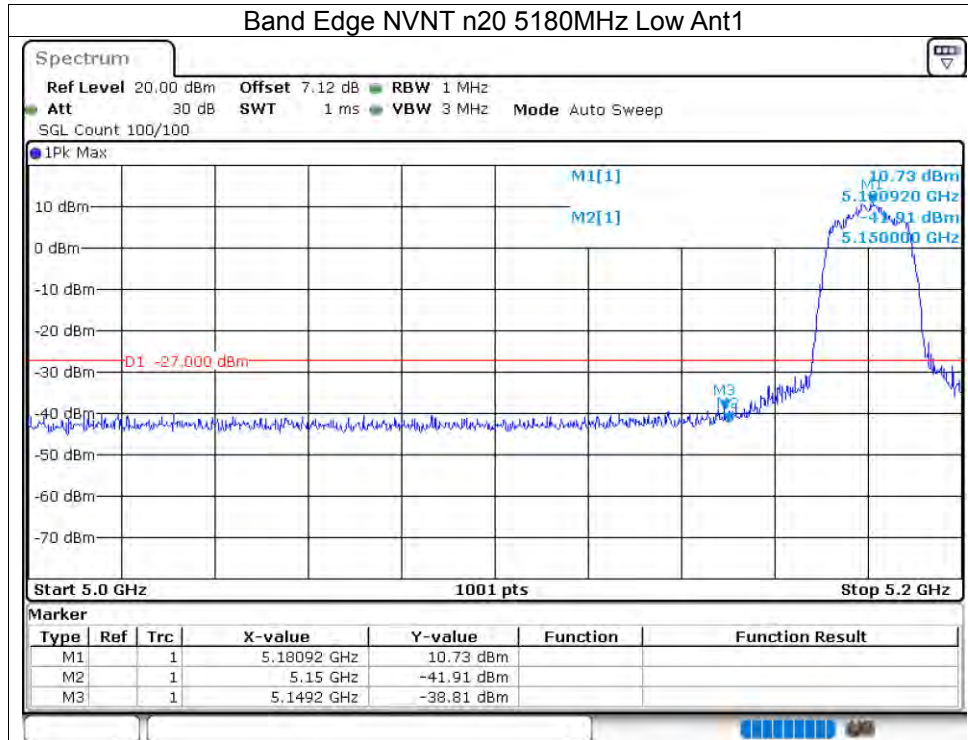
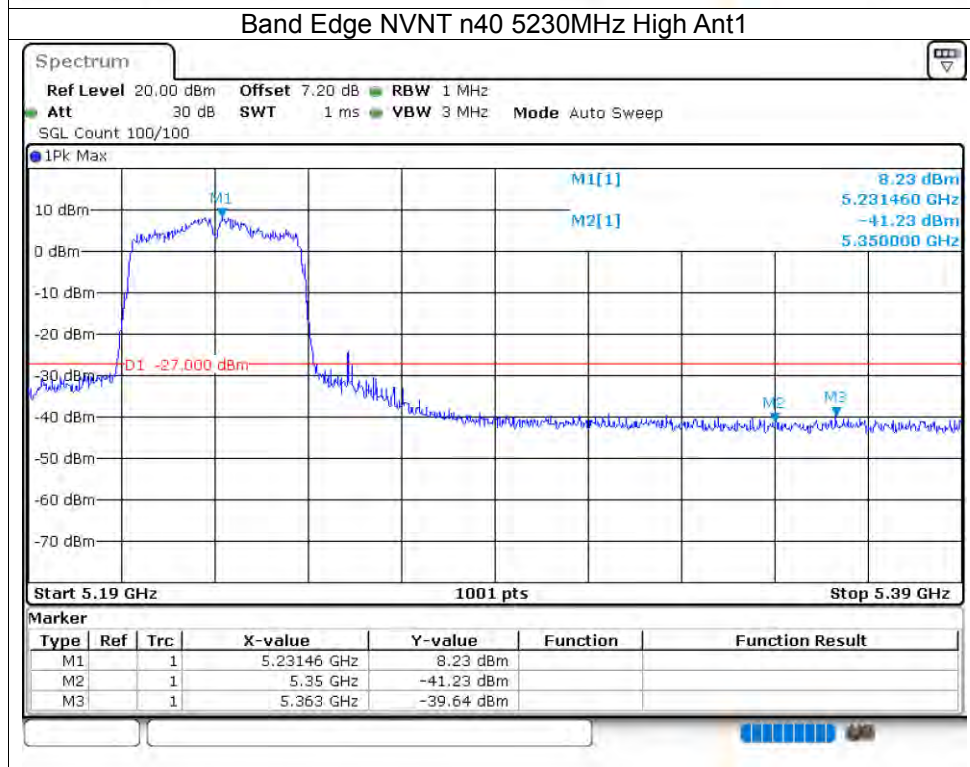
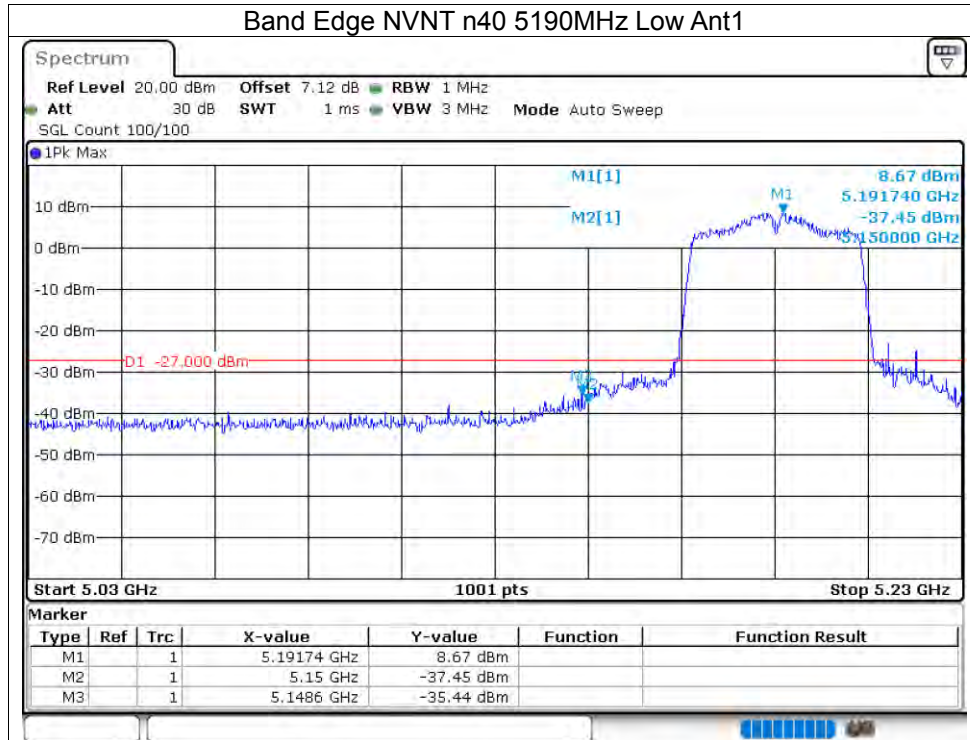
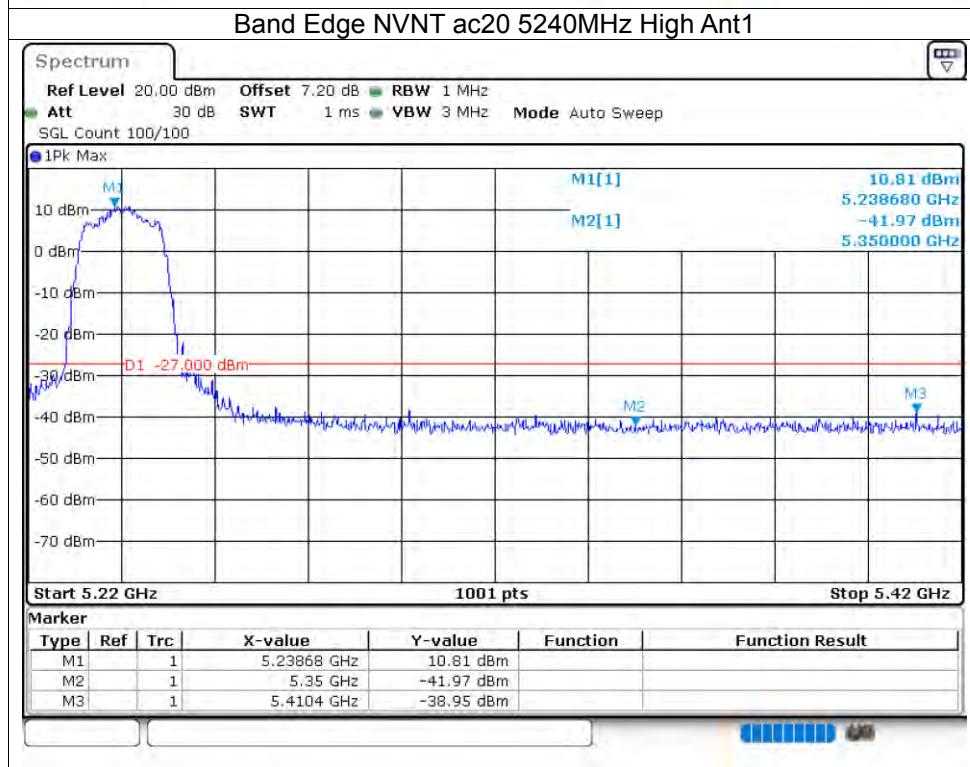
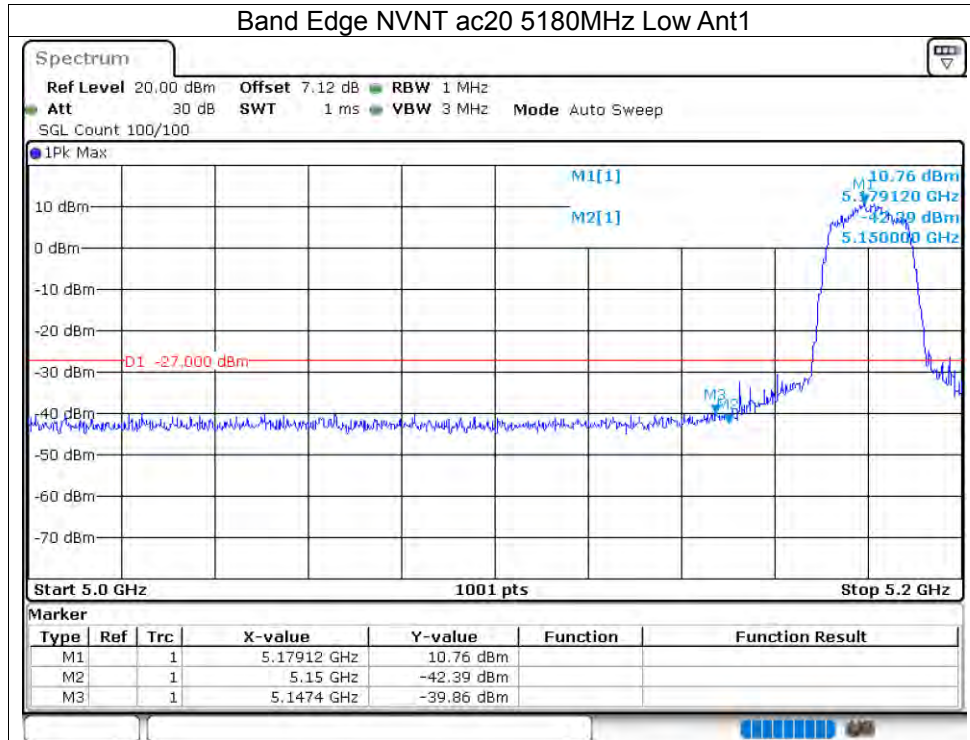
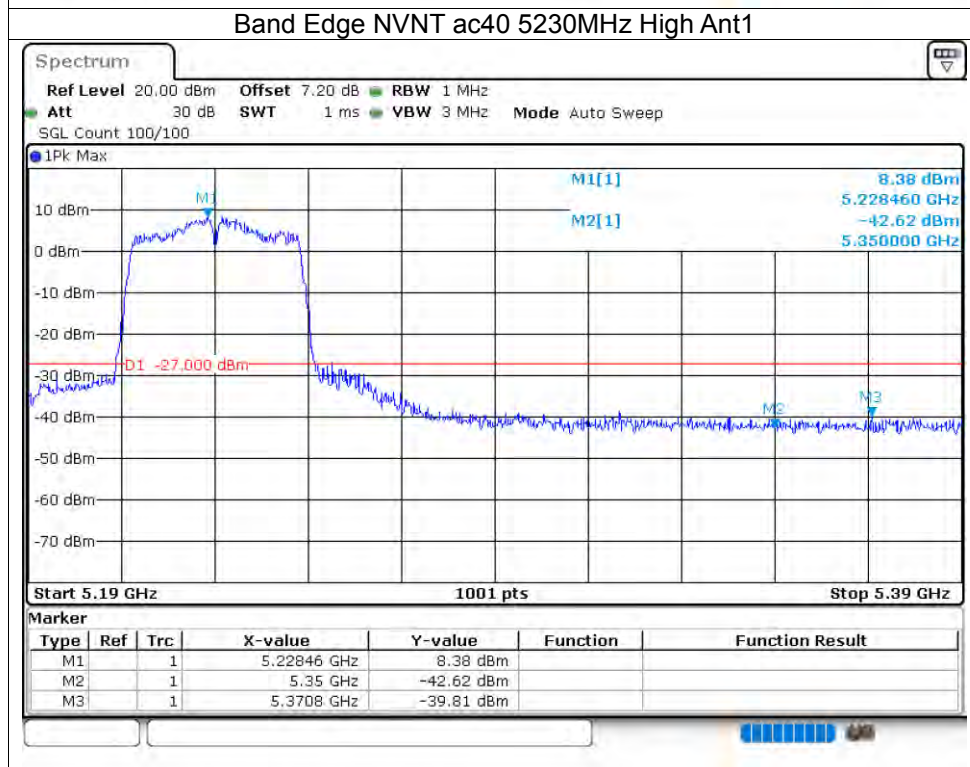
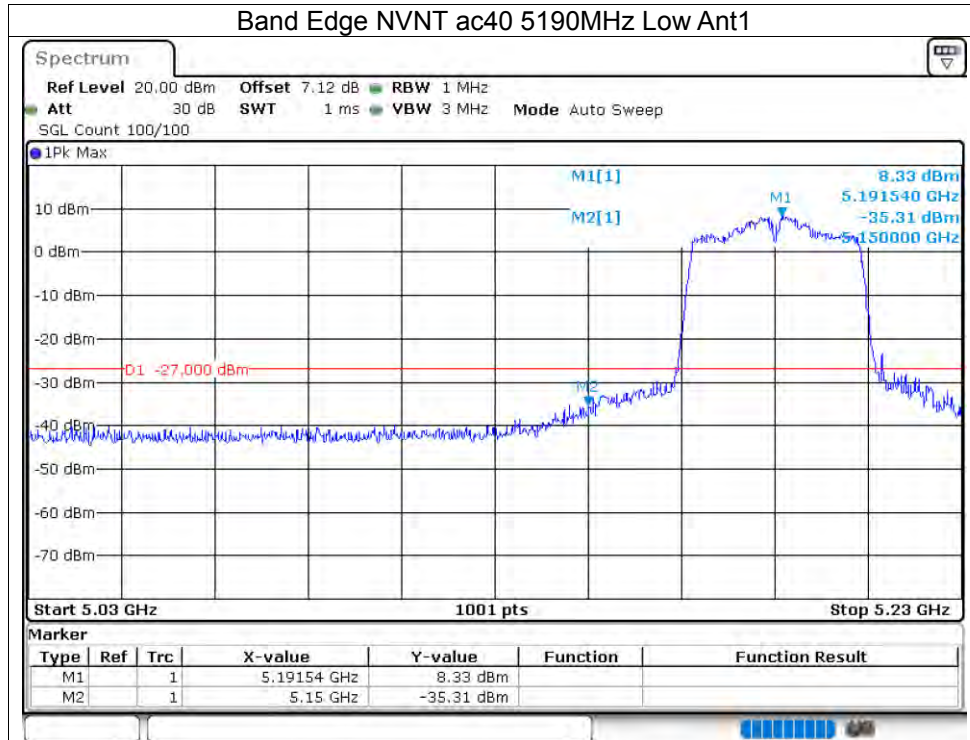
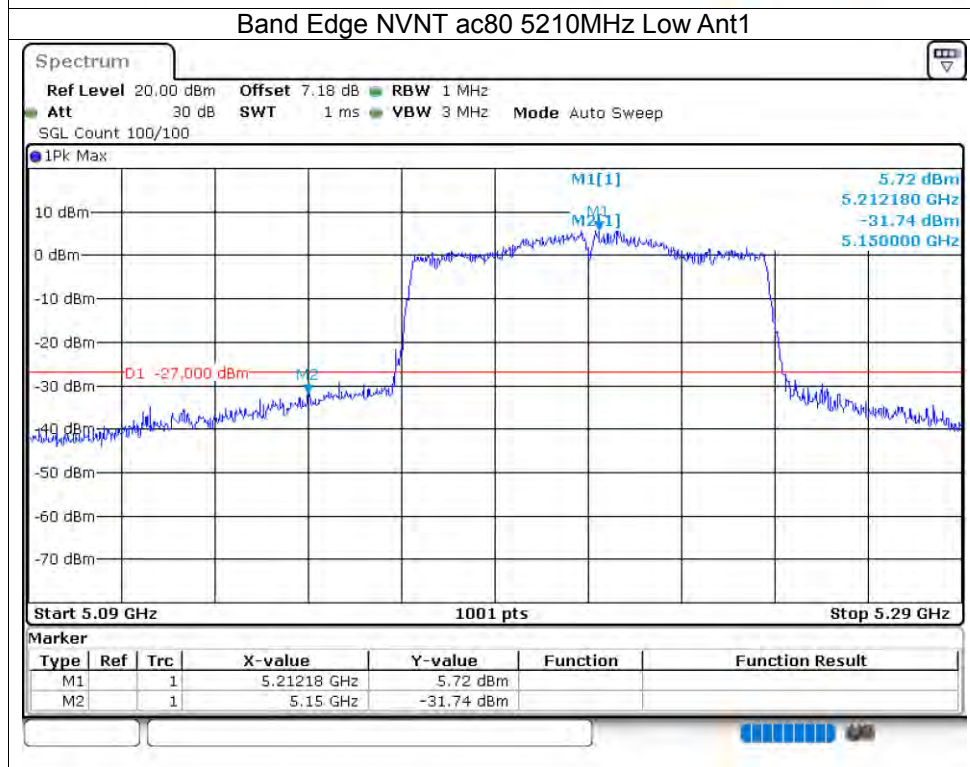
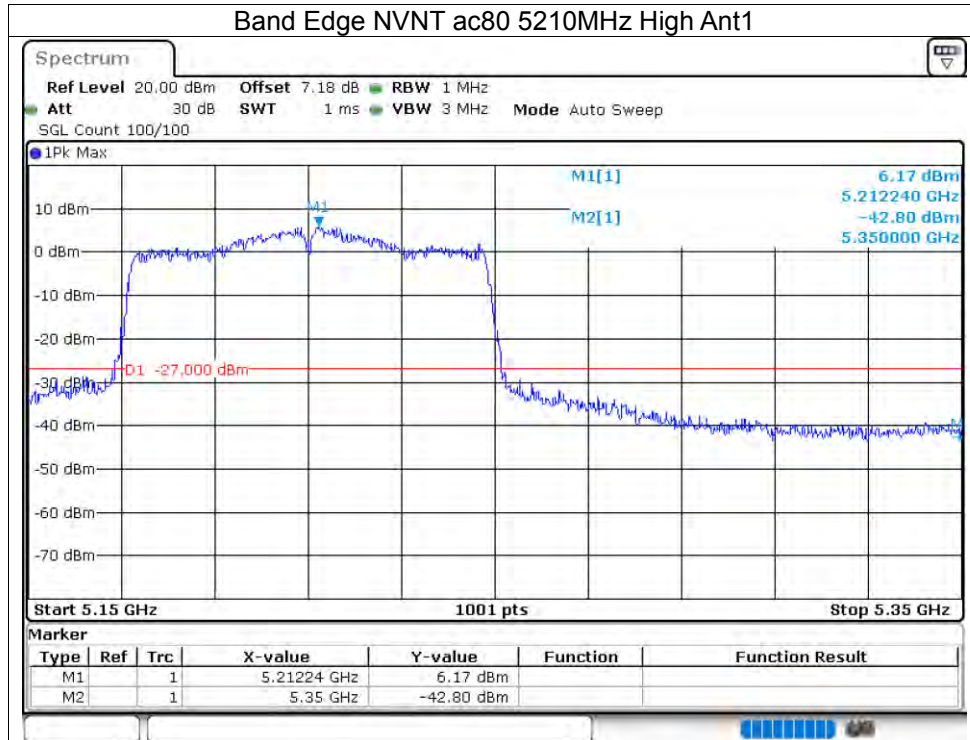








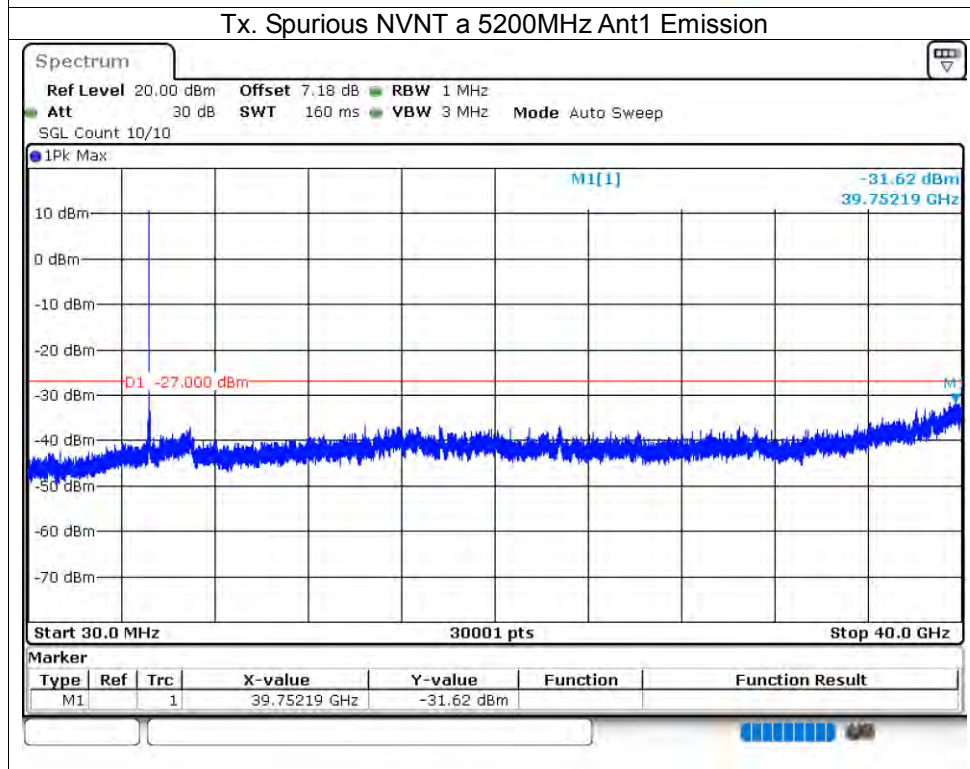
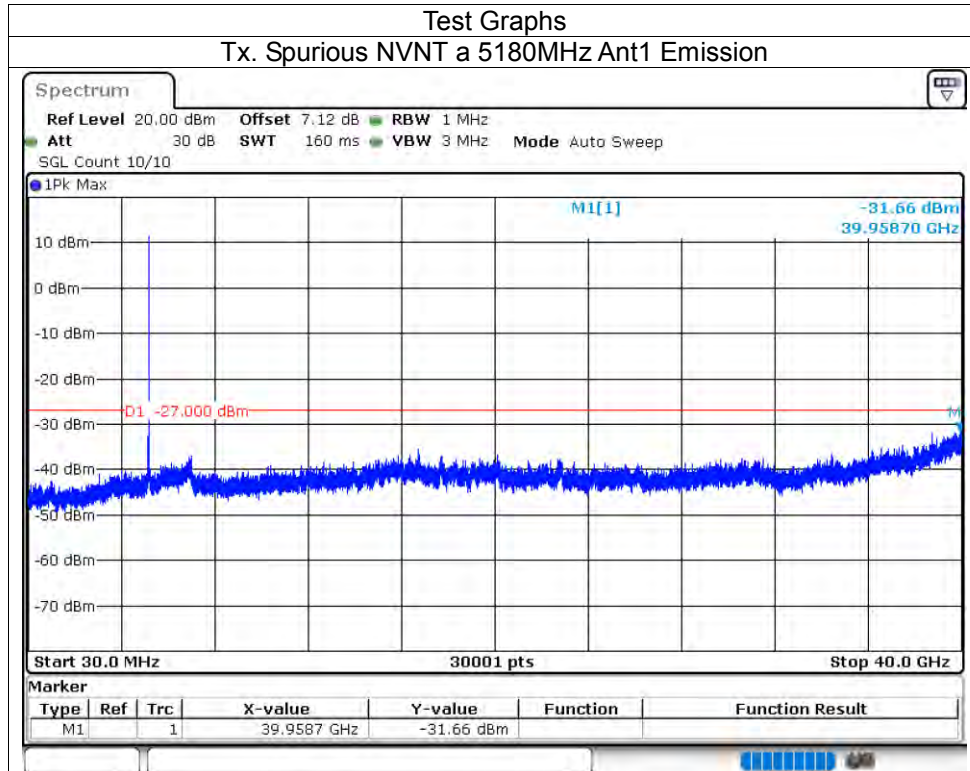




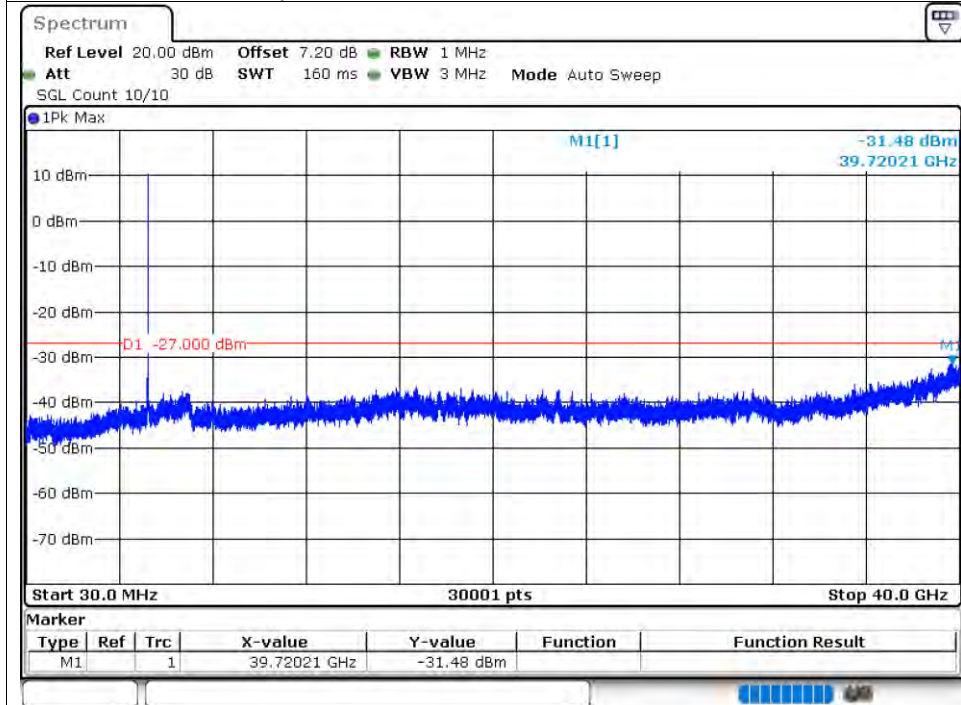
5.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-31.66	-27	Pass
NVNT	a	5200	Ant1	-31.62	-27	Pass
NVNT	a	5240	Ant1	-31.48	-27	Pass
NVNT	n20	5180	Ant1	-31.65	-27	Pass
NVNT	n20	5200	Ant1	-30.85	-27	Pass
NVNT	n20	5240	Ant1	-30.95	-27	Pass
NVNT	n40	5190	Ant1	-30.86	-27	Pass
NVNT	n40	5230	Ant1	-31.38	-27	Pass
NVNT	ac20	5180	Ant1	-30.98	-27	Pass
NVNT	ac20	5200	Ant1	-31.69	-27	Pass
NVNT	ac20	5240	Ant1	-31.55	-27	Pass
NVNT	ac40	5190	Ant1	-31.01	-27	Pass
NVNT	ac40	5230	Ant1	-31	-27	Pass
NVNT	ac80	5210	Ant1	-30.65	-27	Pass

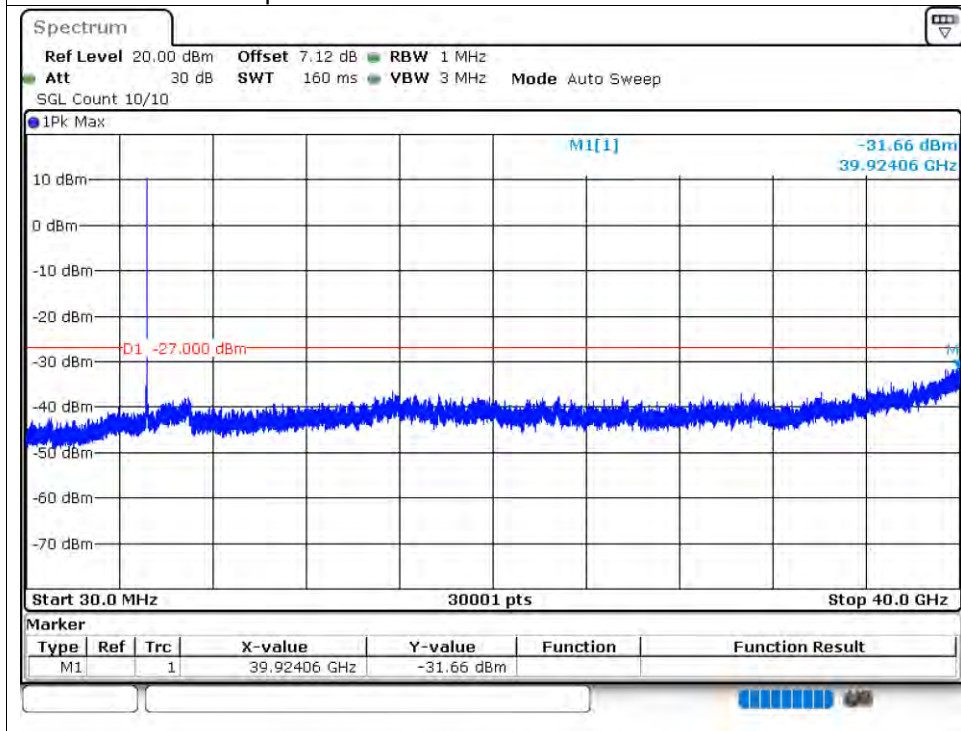
Note: Tested with increased antenna gain.

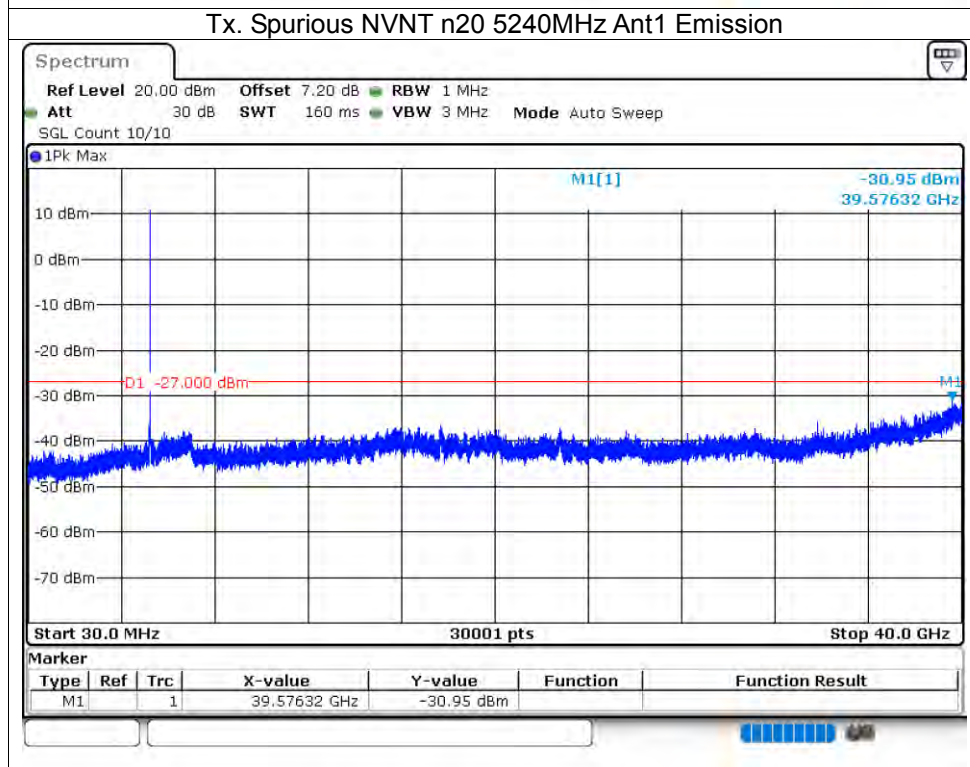
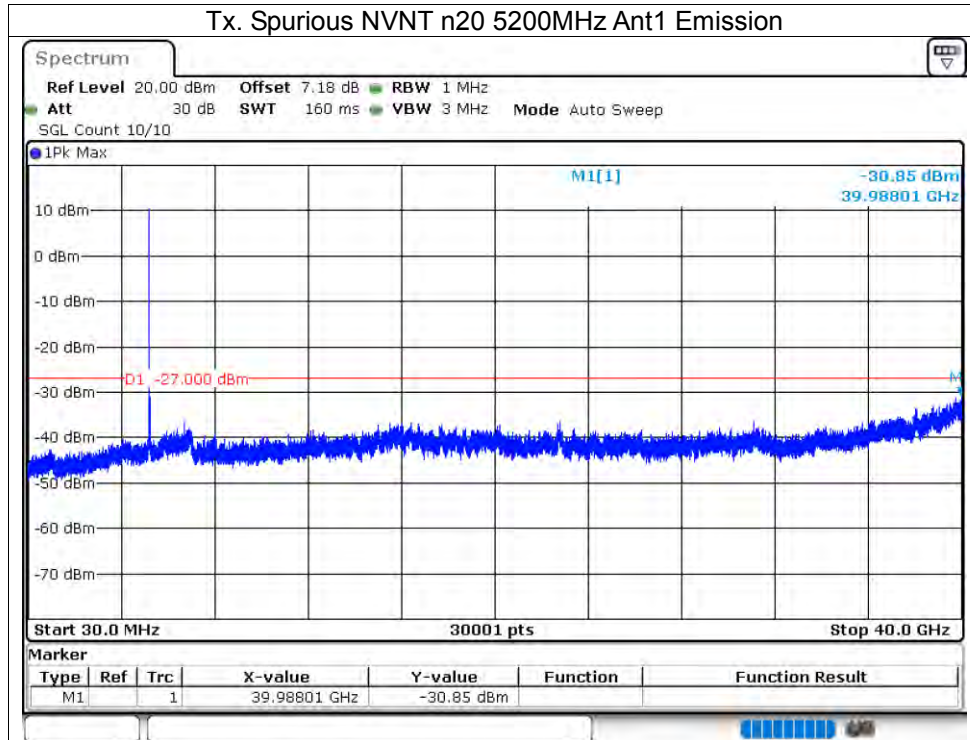


Tx. Spurious NVNT a 5240MHz Ant1 Emission

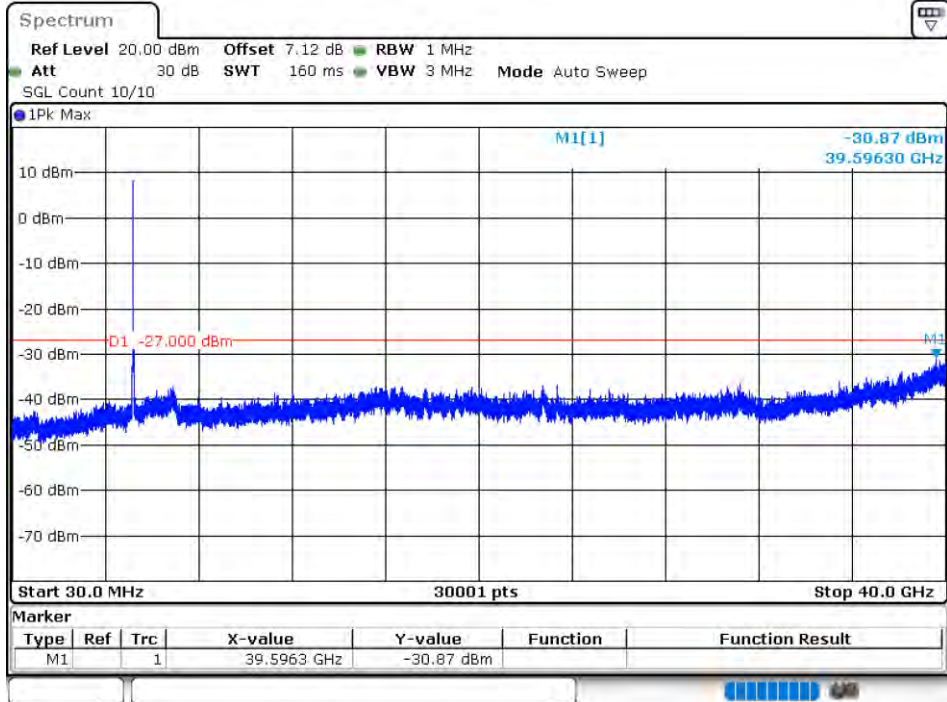


Tx. Spurious NVNT n20 5180MHz Ant1 Emission

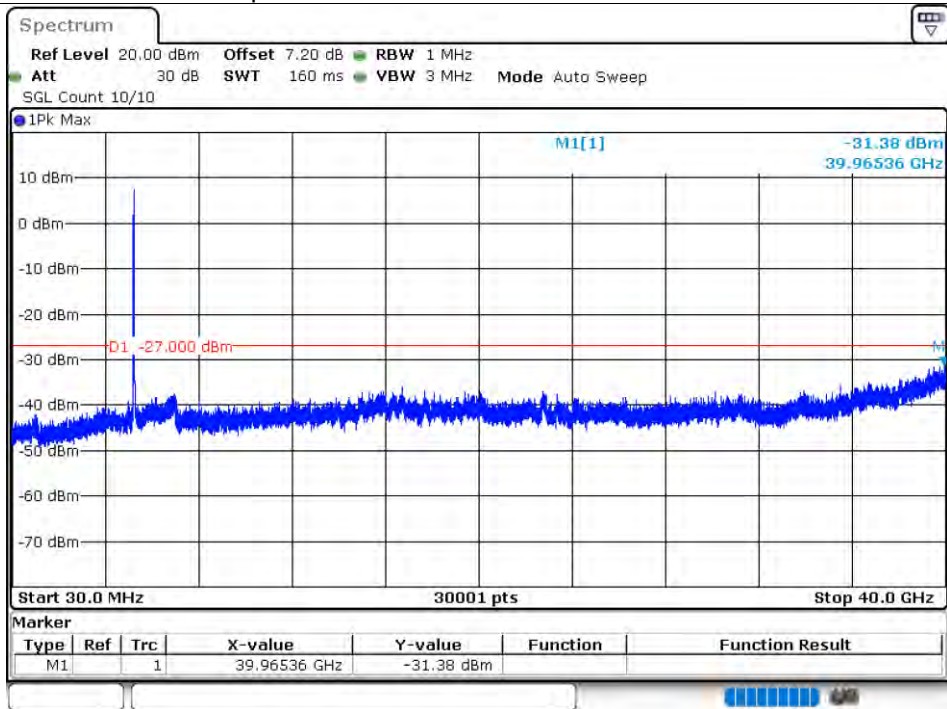


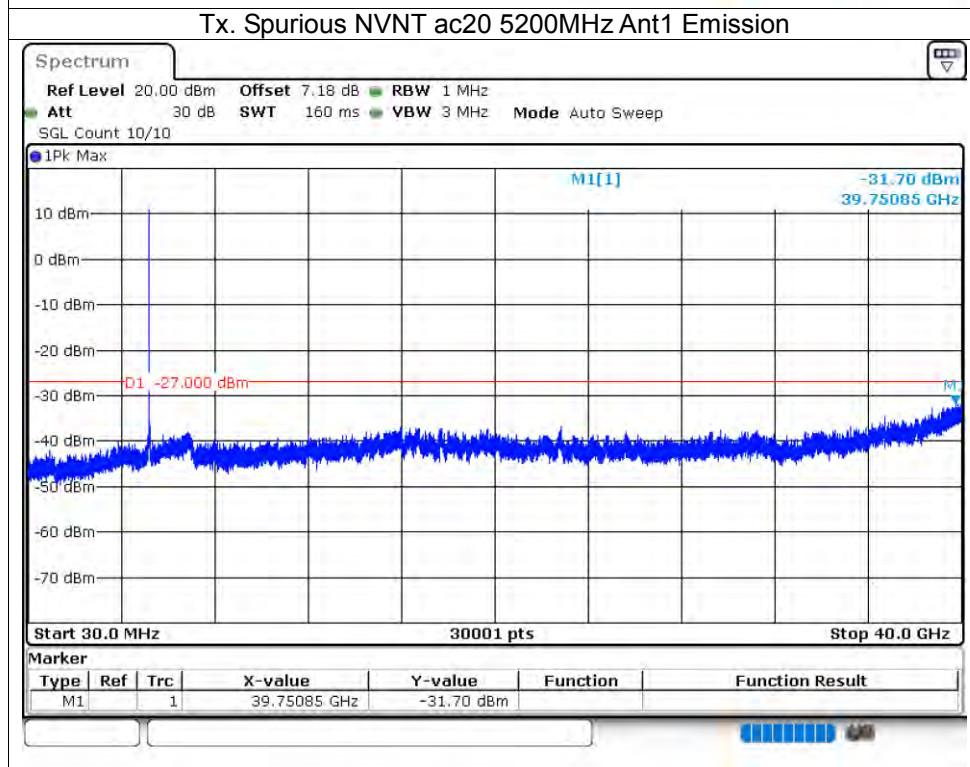
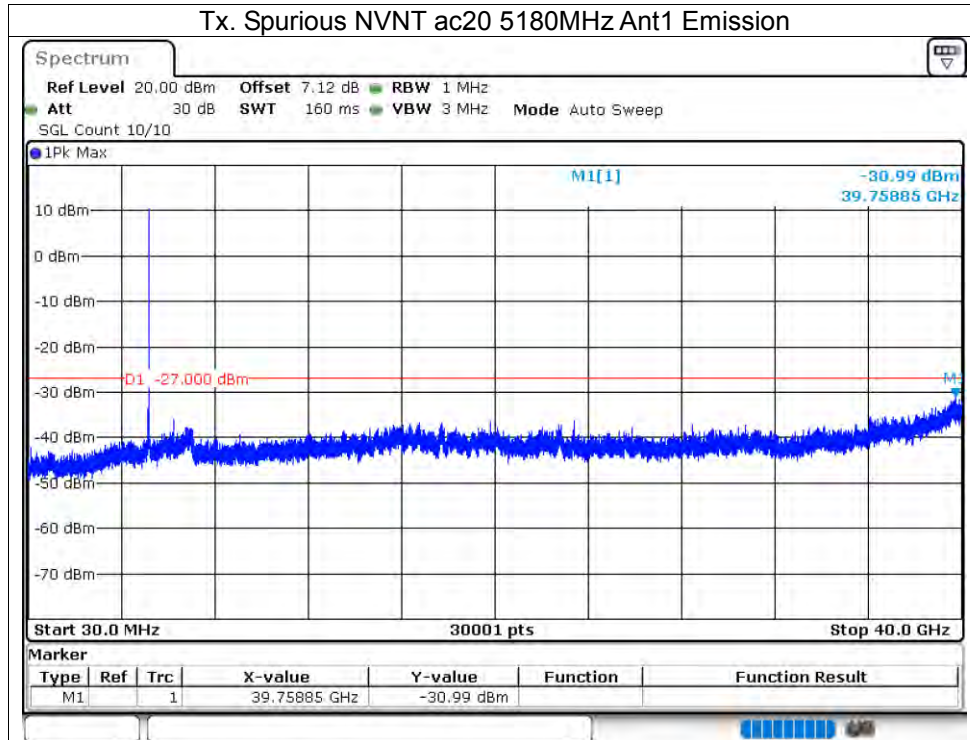


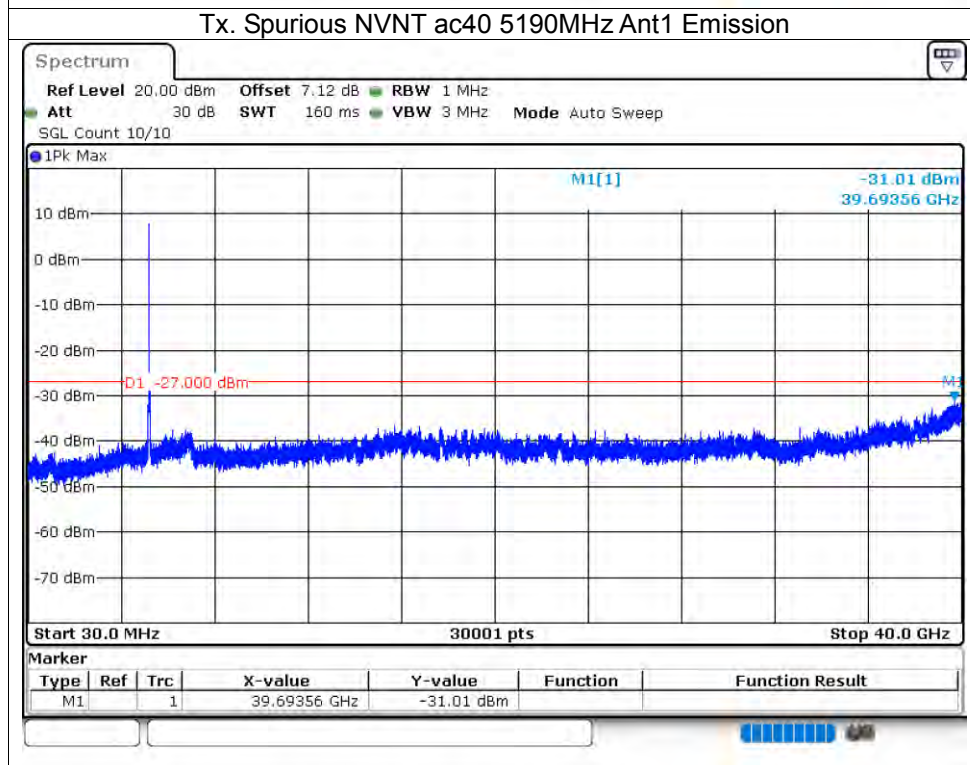
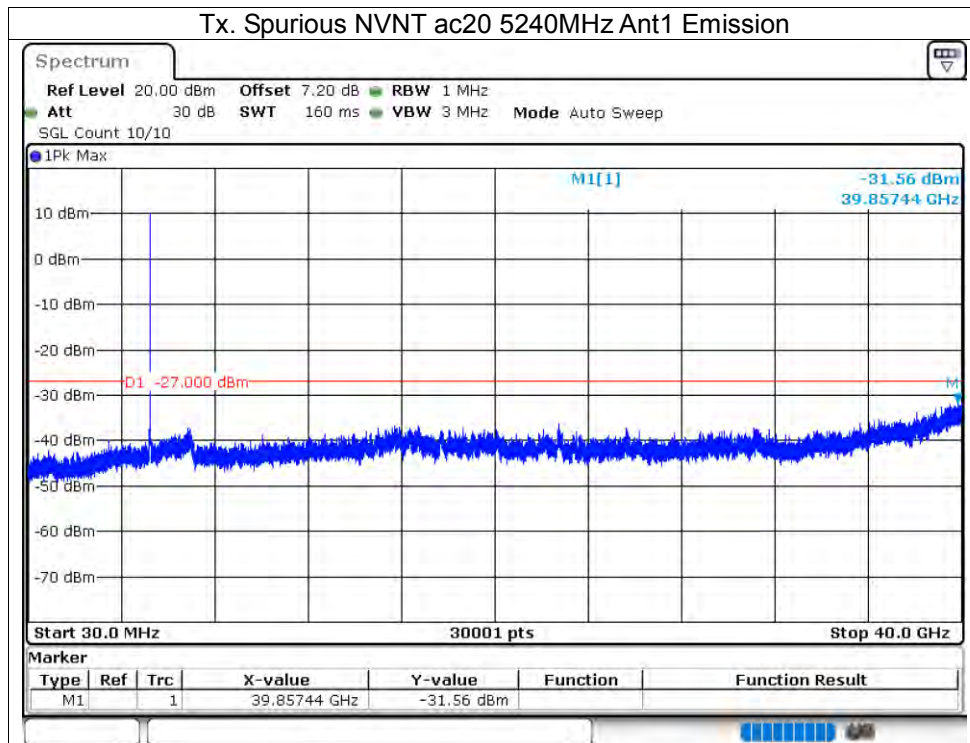
Tx. Spurious NVNT n40 5190MHz Ant1 Emission

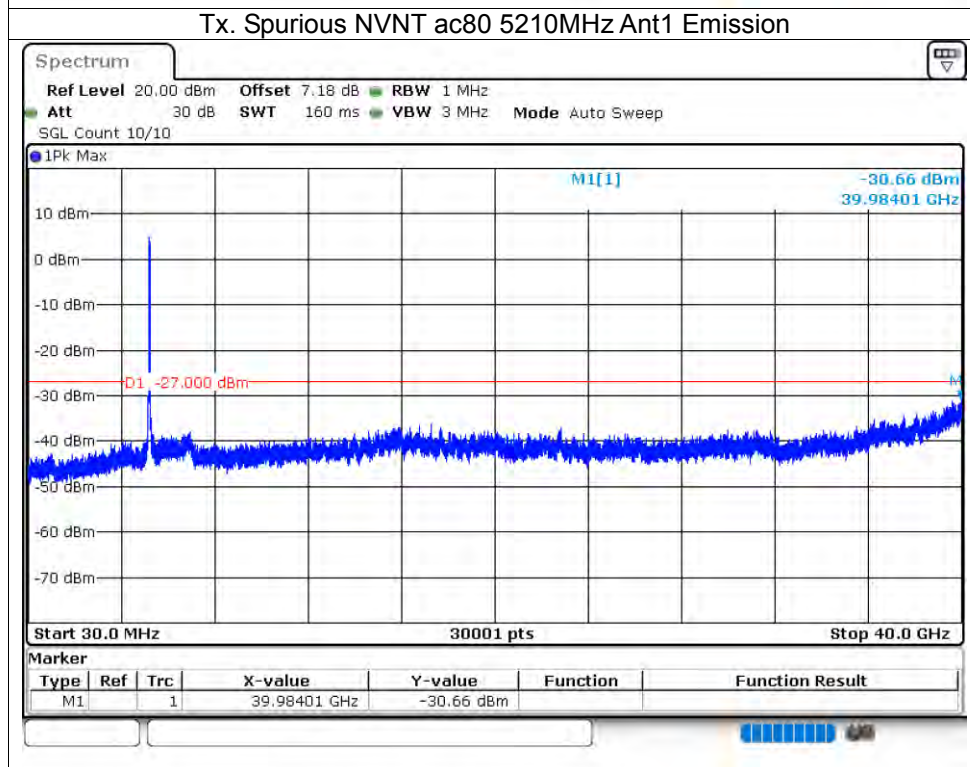
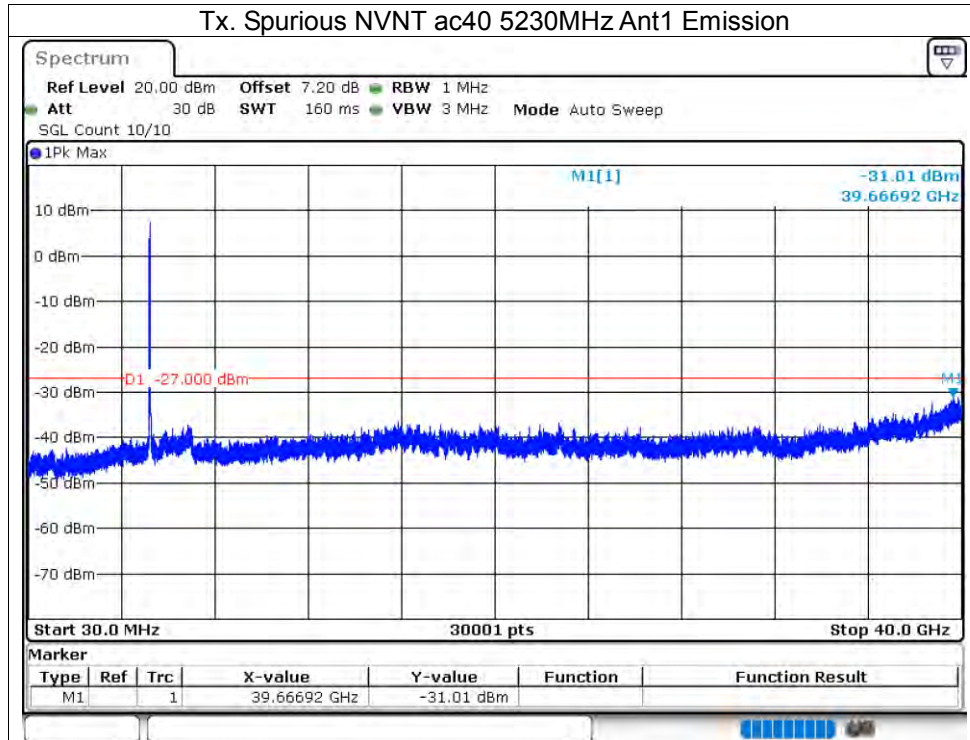


Tx. Spurious NVNT n40 5230MHz Ant1 Emission





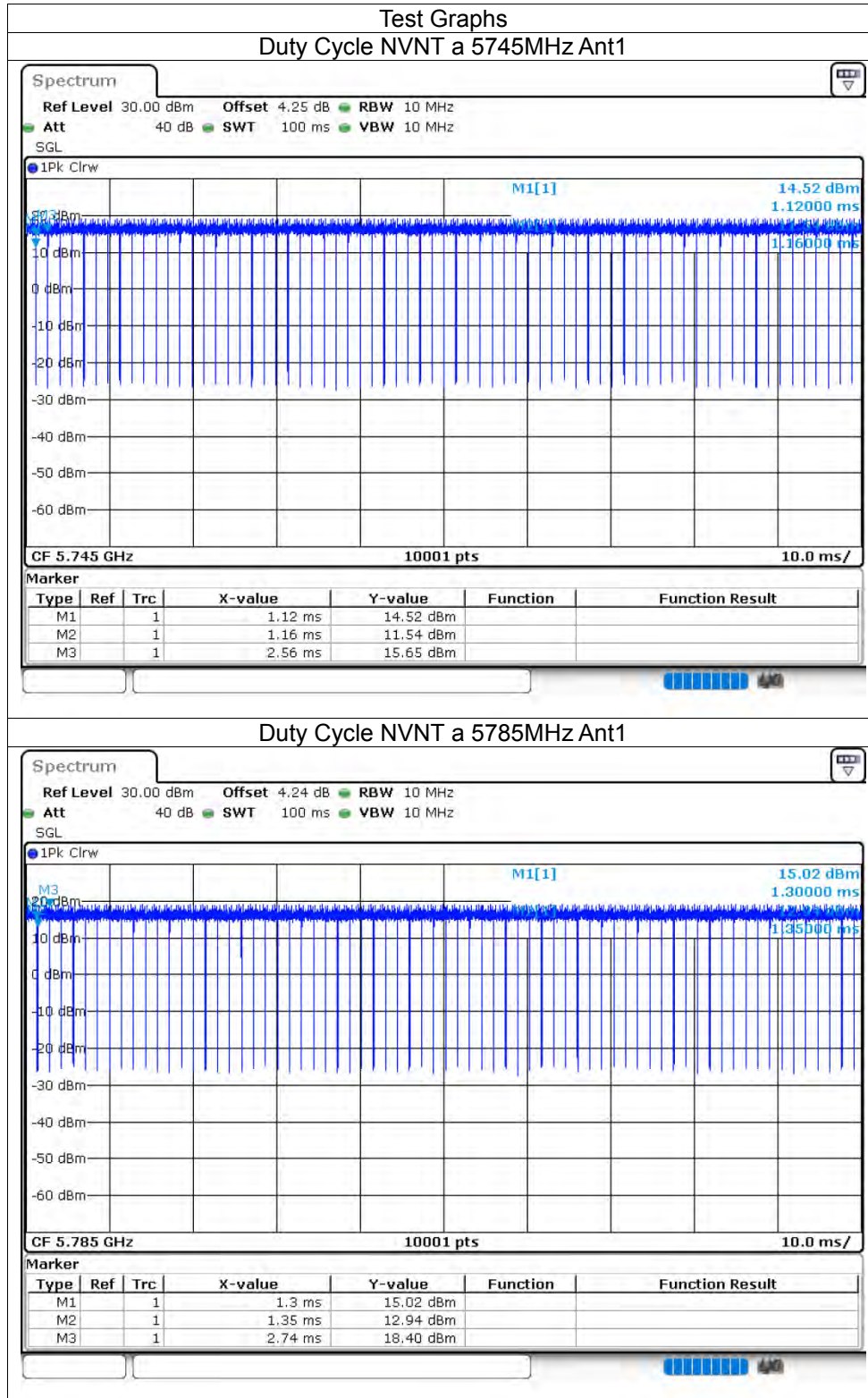




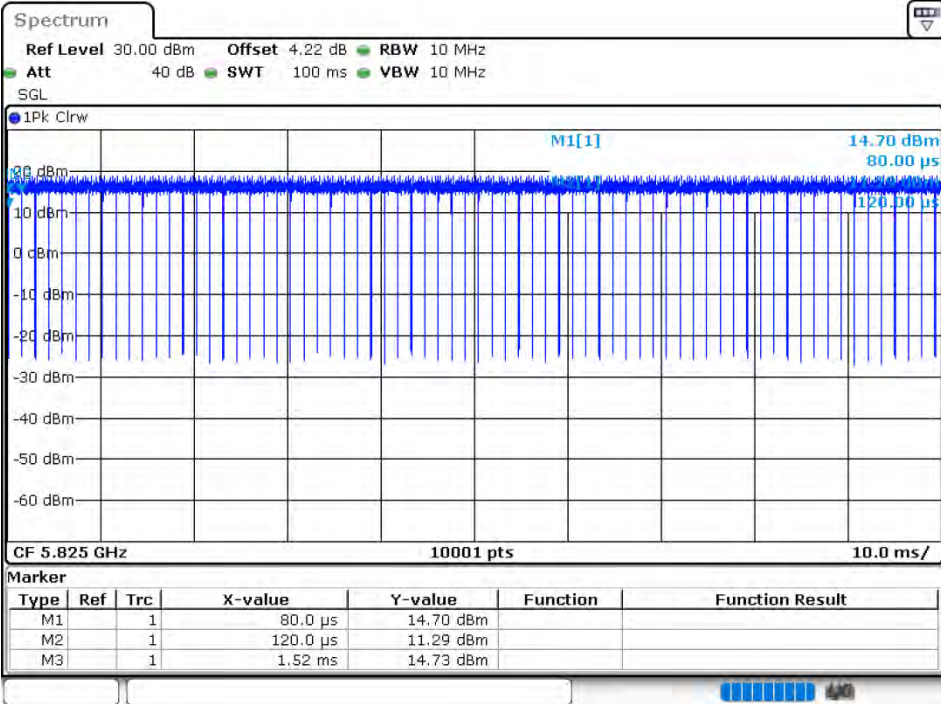
5.8G WIFI

5.1 Duty Cycle

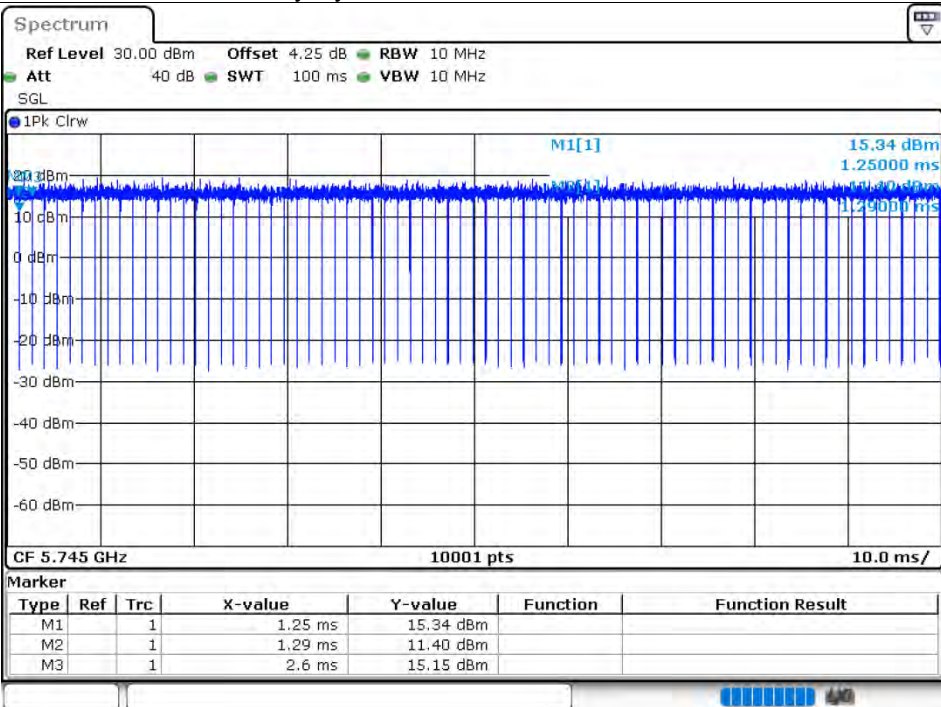
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.87	0.09	0.71
NVNT	a	5785	Ant1	97.82	0.1	0.72
NVNT	a	5825	Ant1	97.84	0.09	0.71
NVNT	n20	5745	Ant1	97.64	0.1	0.76
NVNT	n20	5785	Ant1	97.64	0.1	0.76
NVNT	n20	5825	Ant1	97.72	0.1	0.76
NVNT	n40	5755	Ant1	95.45	0.2	1.54
NVNT	n40	5795	Ant1	95.69	0.19	1.54
NVNT	ac20	5745	Ant1	97.71	0.1	0.76
NVNT	ac20	5785	Ant1	97.63	0.1	0.76
NVNT	ac20	5825	Ant1	97.7	0.1	0.76
NVNT	ac40	5755	Ant1	95.69	0.19	1.54
NVNT	ac40	5795	Ant1	95.69	0.19	1.52
NVNT	ac80	5775	Ant1	91.32	0.39	3.03

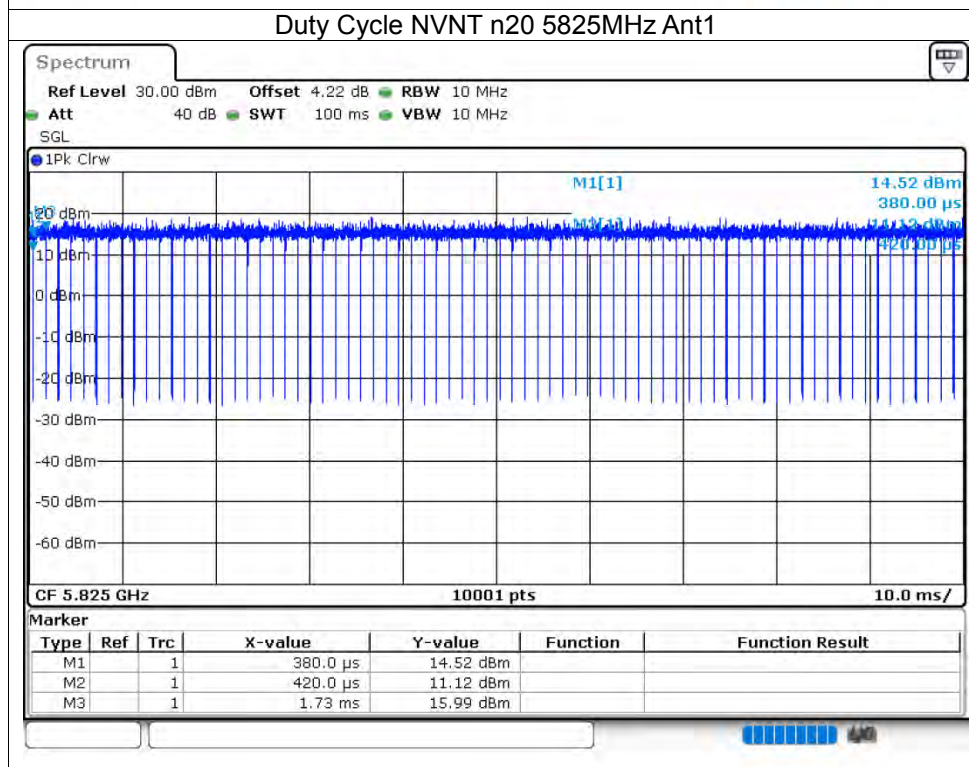
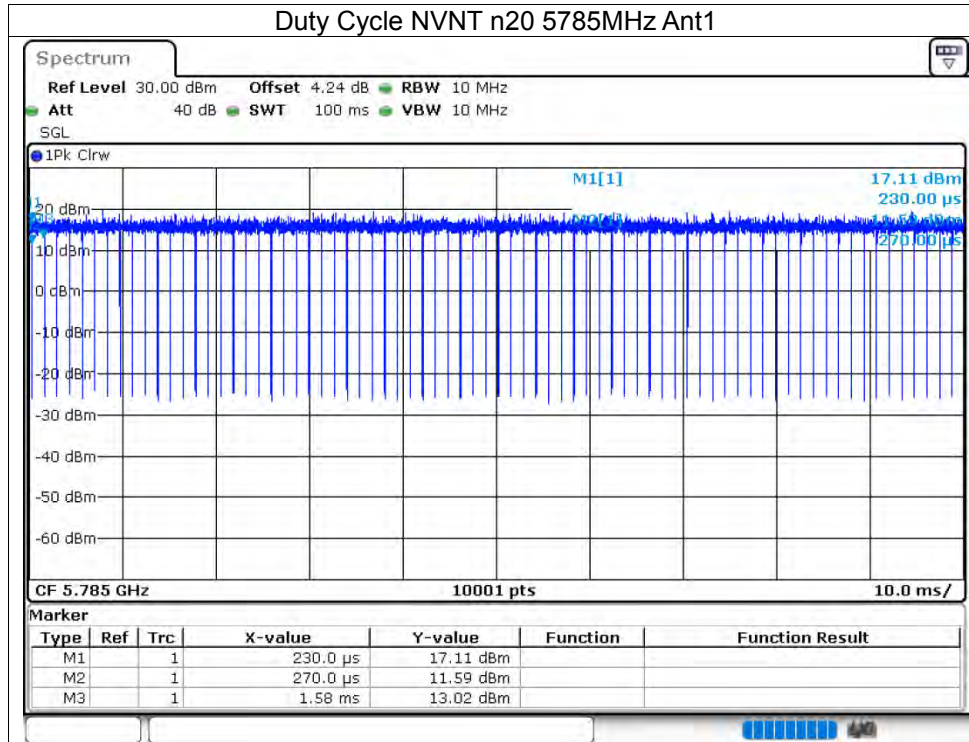


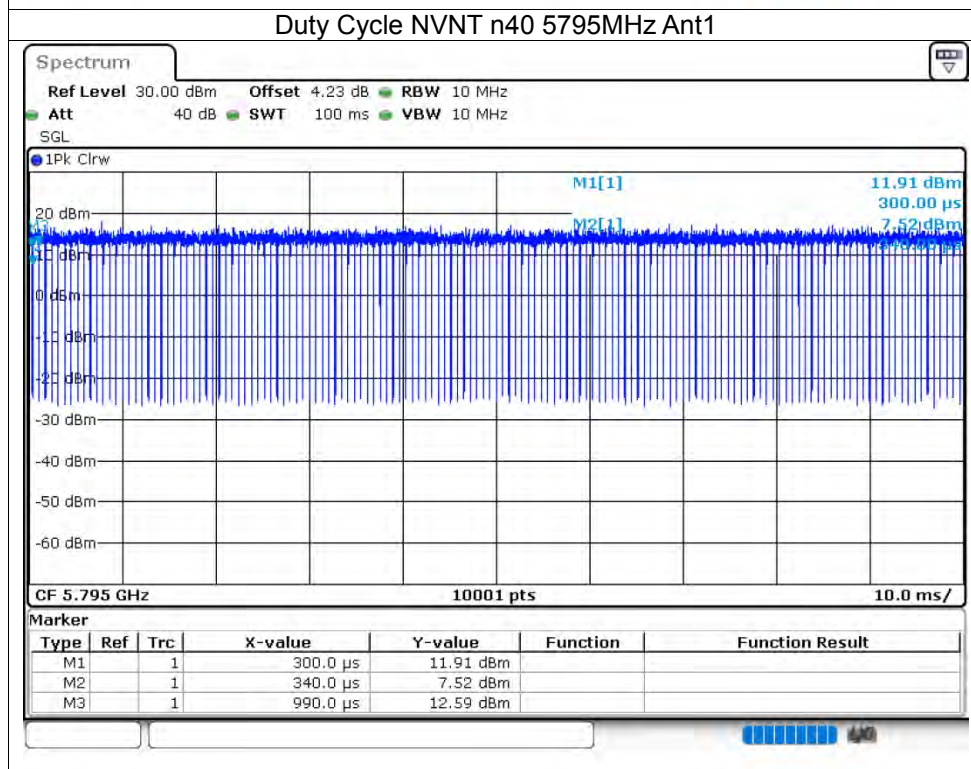
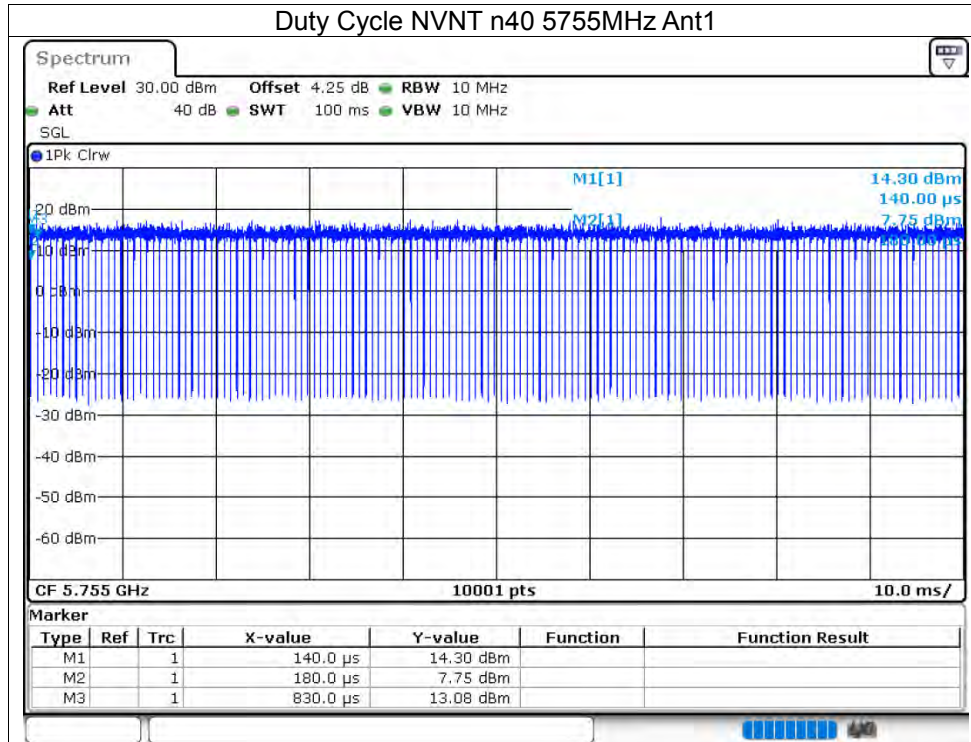
Duty Cycle NVNT a 5825MHz Ant1

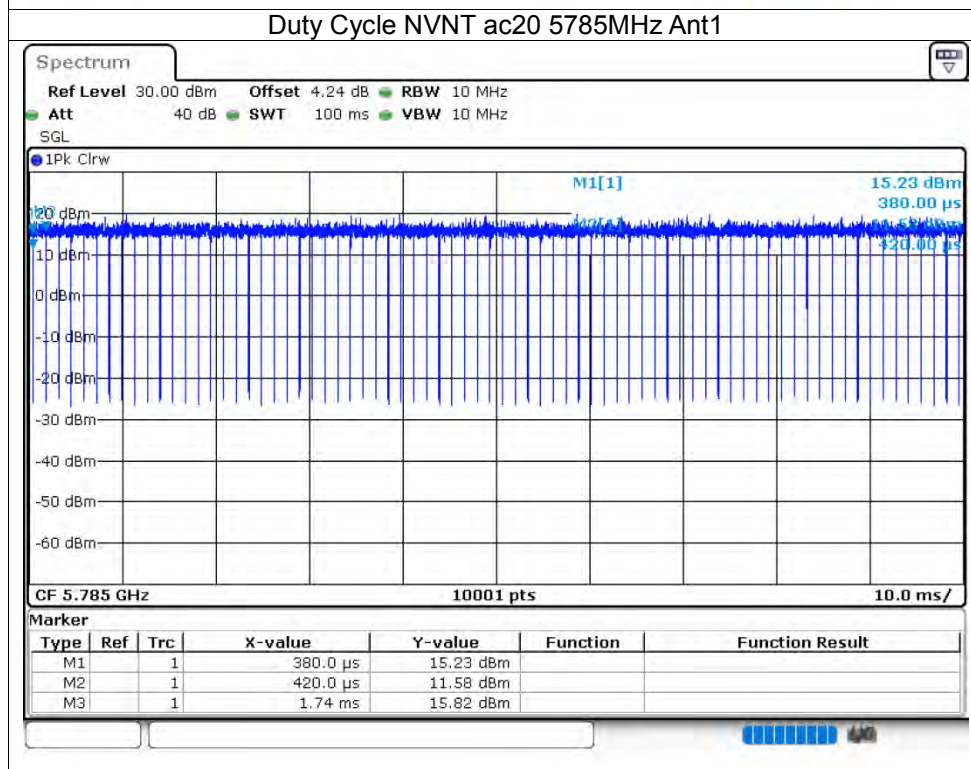
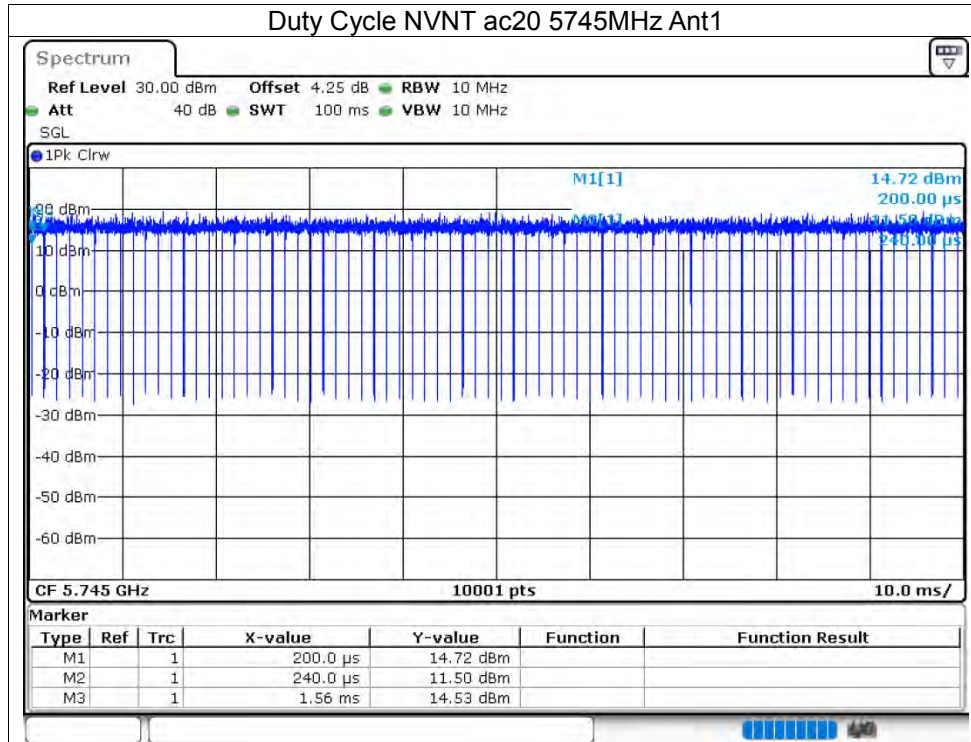


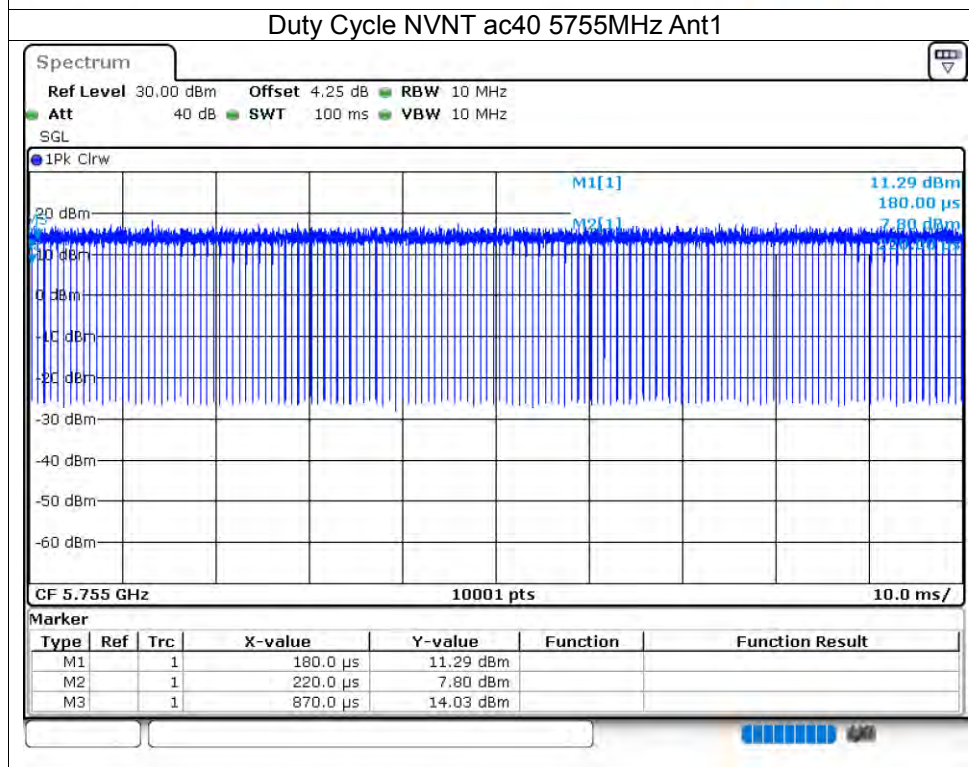
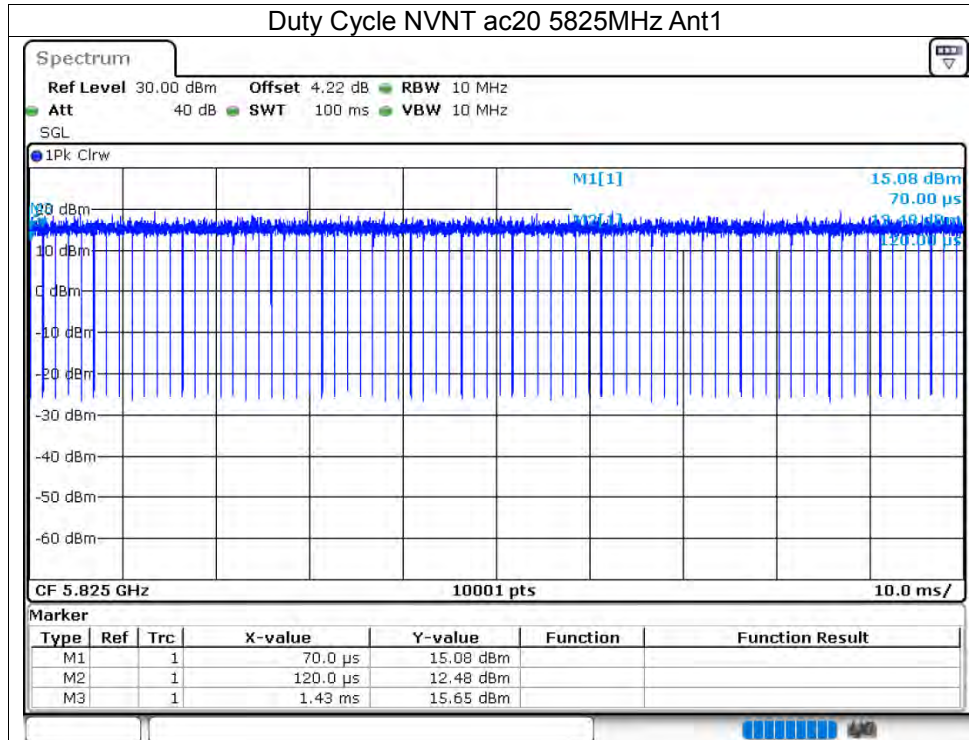
Duty Cycle NVNT n20 5745MHz Ant1

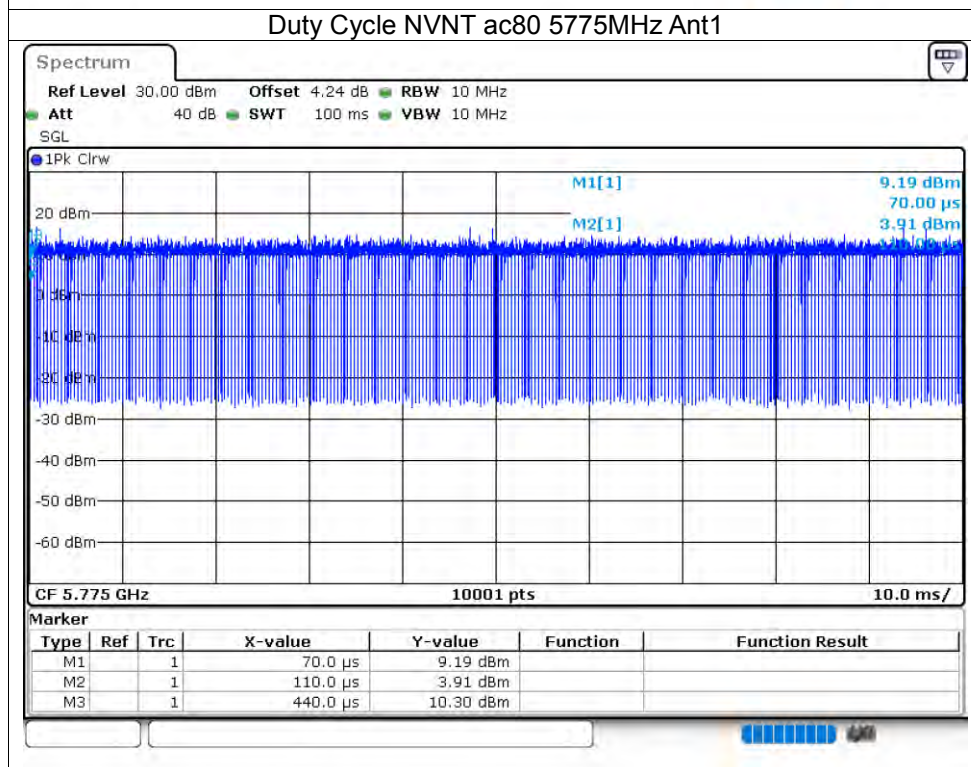
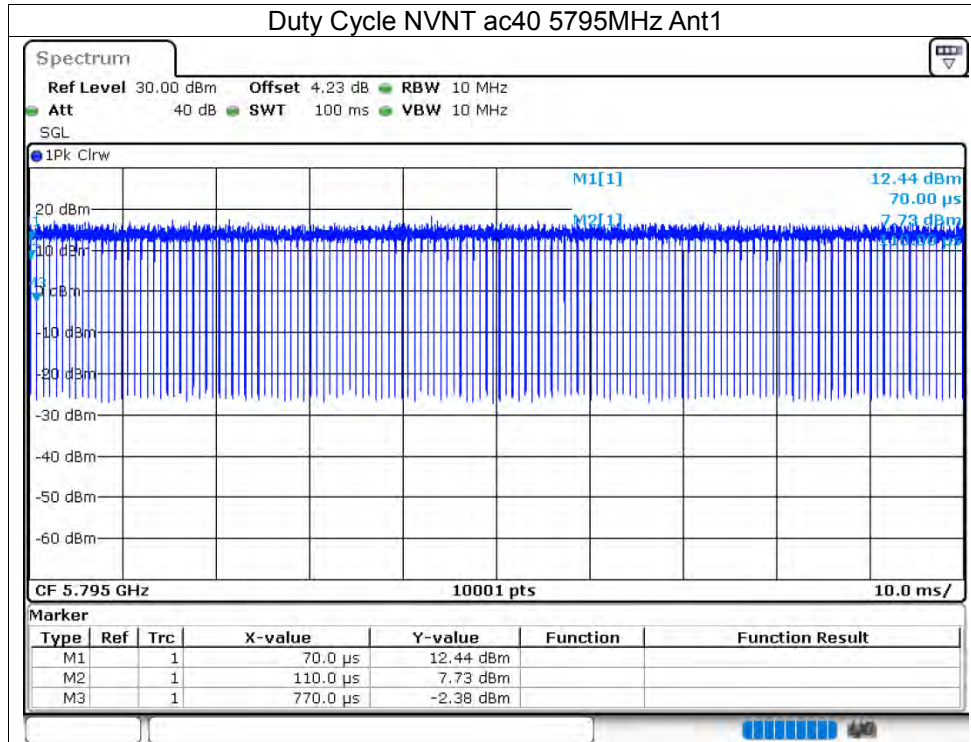












5.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.52	30	Pass
NVNT	a	5785	Ant1	11.37	30	Pass
NVNT	a	5825	Ant1	11.21	30	Pass
NVNT	n20	5745	Ant1	10.98	30	Pass
NVNT	n20	5785	Ant1	11.07	30	Pass
NVNT	n20	5825	Ant1	10.64	30	Pass
NVNT	n40	5755	Ant1	11.19	30	Pass
NVNT	n40	5795	Ant1	11.17	30	Pass
NVNT	ac20	5745	Ant1	10.99	30	Pass
NVNT	ac20	5785	Ant1	10.77	30	Pass
NVNT	ac20	5825	Ant1	10.68	30	Pass
NVNT	ac40	5755	Ant1	11.18	30	Pass
NVNT	ac40	5795	Ant1	11.04	30	Pass
NVNT	ac80	5775	Ant1	10.95	30	Pass

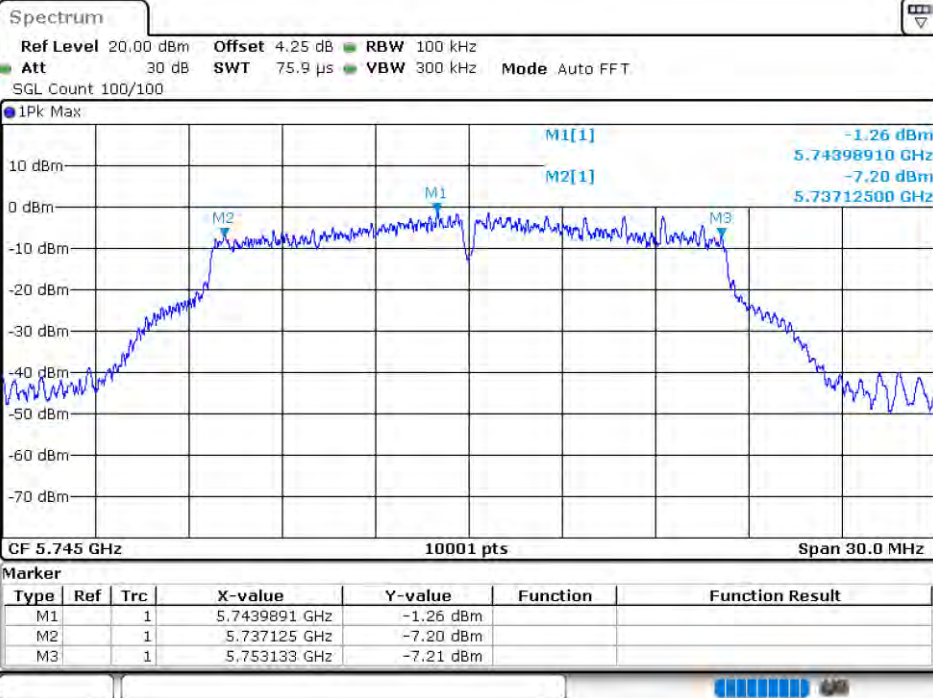
Note: The average power value already includes the duty cycle factor

5.3 -6dB Bandwidth

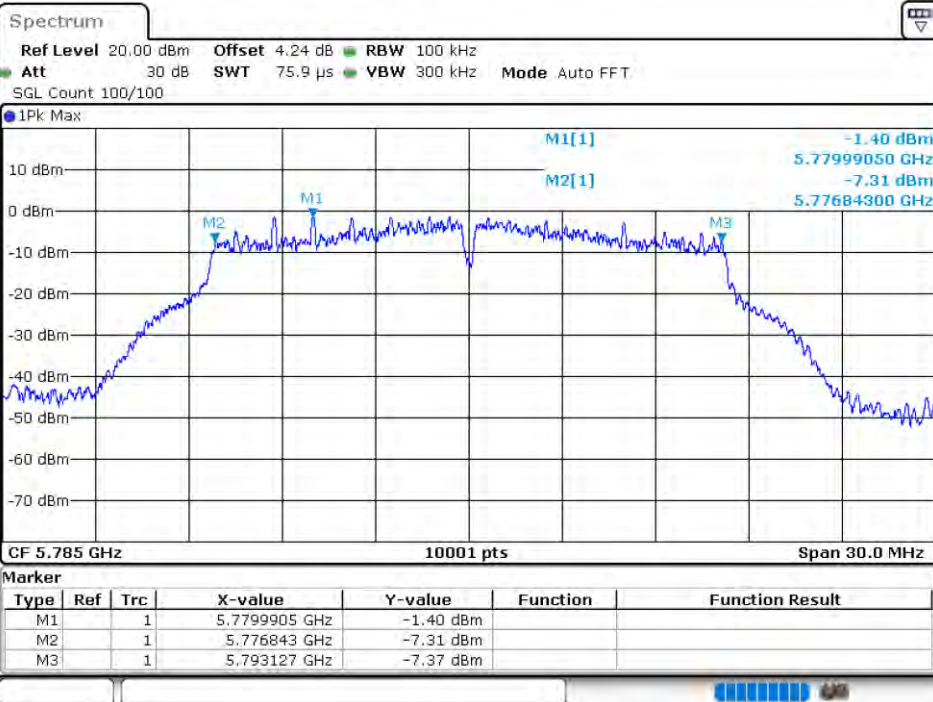
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.008	0.5	Pass
NVNT	a	5785	Ant1	16.284	0.5	Pass
NVNT	a	5825	Ant1	16.047	0.5	Pass
NVNT	n20	5745	Ant1	15.126	0.5	Pass
NVNT	n20	5785	Ant1	15.681	0.5	Pass
NVNT	n20	5825	Ant1	15.036	0.5	Pass
NVNT	n40	5755	Ant1	35.46	0.5	Pass
NVNT	n40	5795	Ant1	35.16	0.5	Pass
NVNT	ac20	5745	Ant1	16.902	0.5	Pass
NVNT	ac20	5785	Ant1	17.142	0.5	Pass
NVNT	ac20	5825	Ant1	14.196	0.5	Pass
NVNT	ac40	5755	Ant1	35.04	0.5	Pass
NVNT	ac40	5795	Ant1	35.346	0.5	Pass
NVNT	ac80	5775	Ant1	75.144	0.5	Pass

Test Graphs

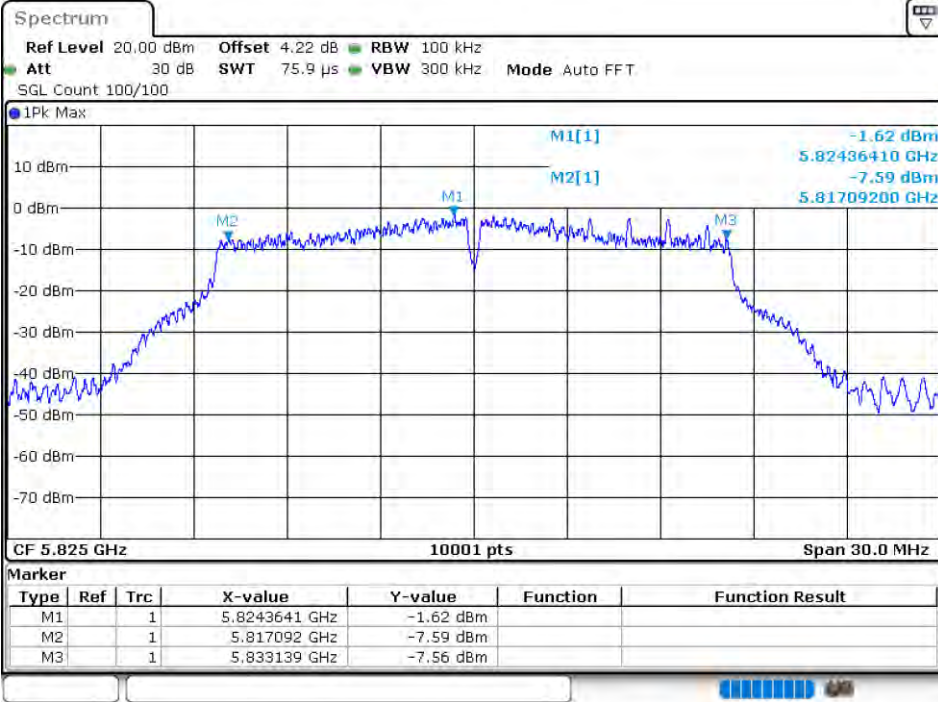
-6dB Bandwidth NVNT a 5745MHz Ant1



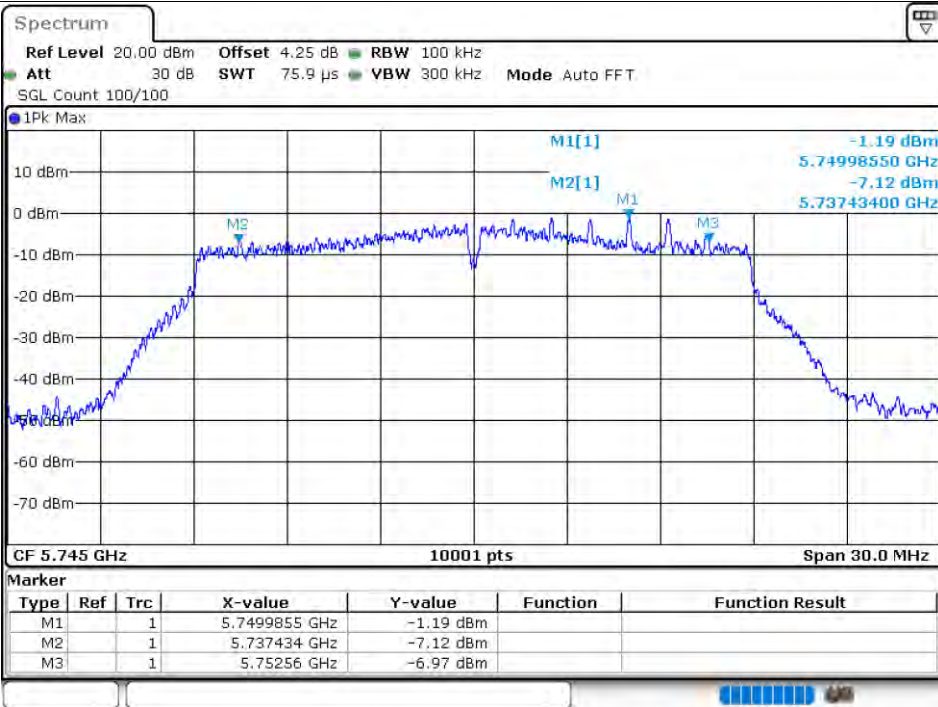
-6dB Bandwidth NVNT a 5785MHz Ant1

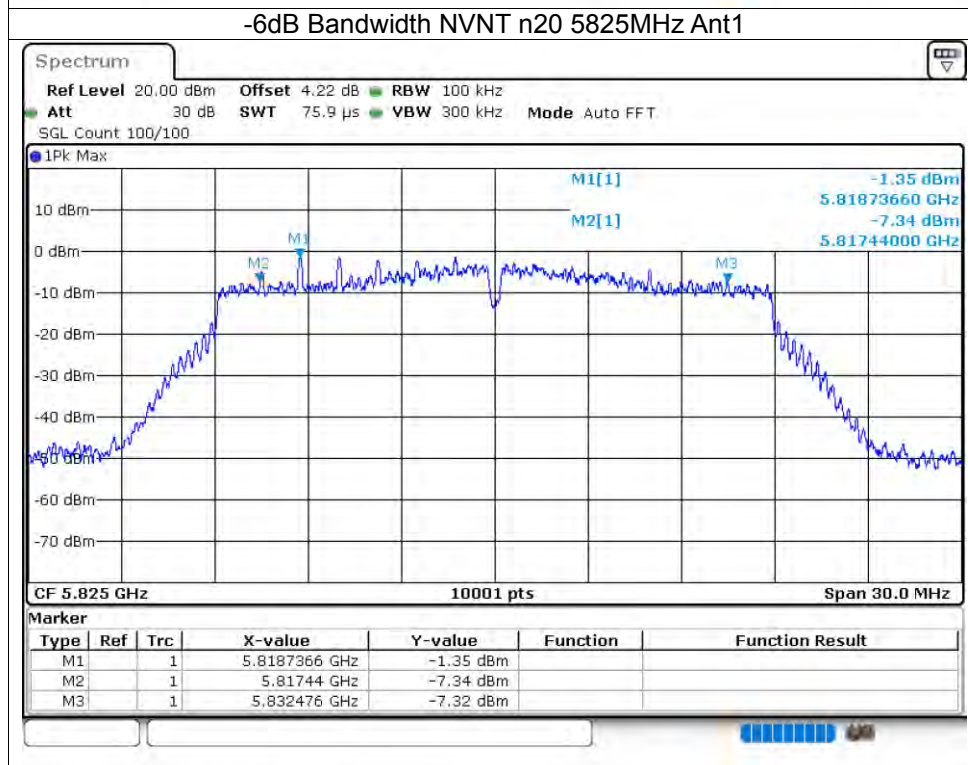
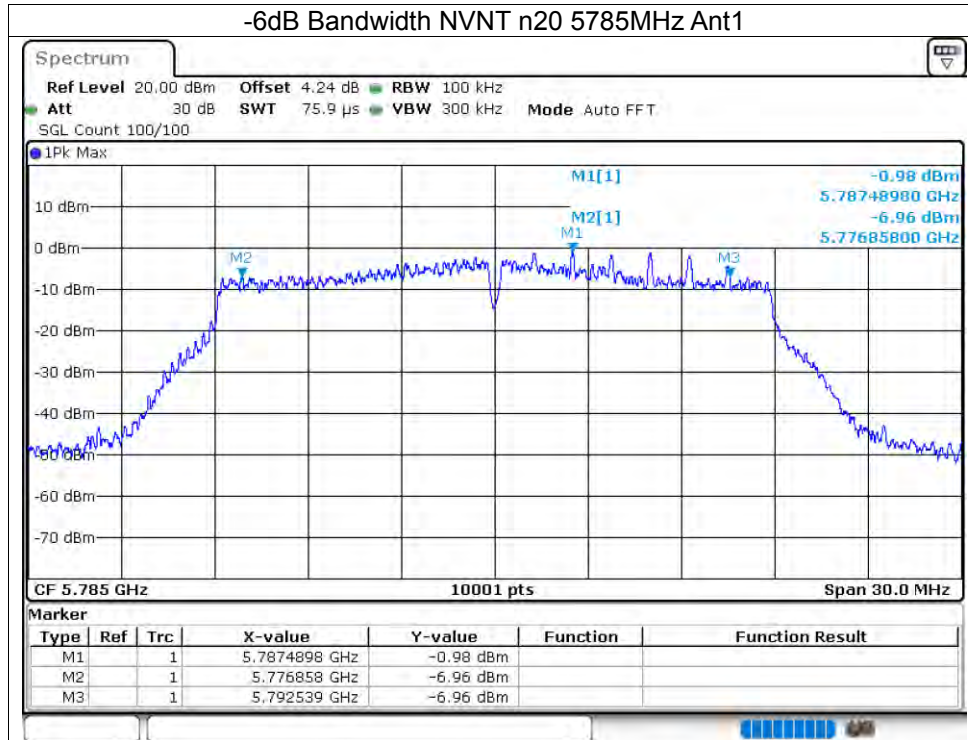


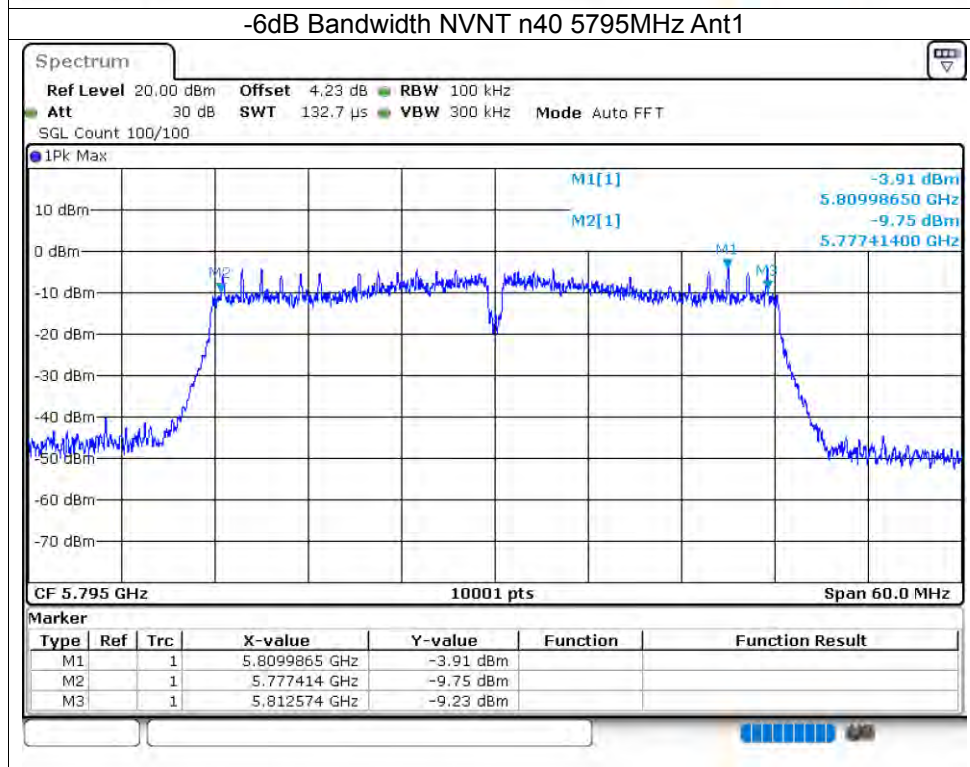
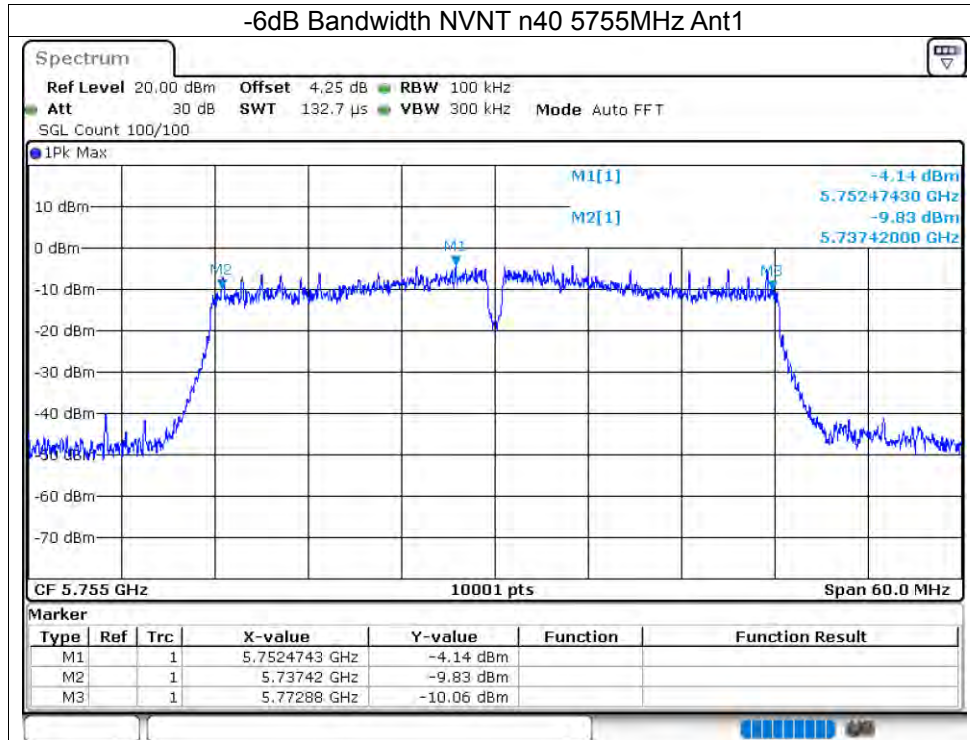
-6dB Bandwidth NVNT a 5825MHz Ant1

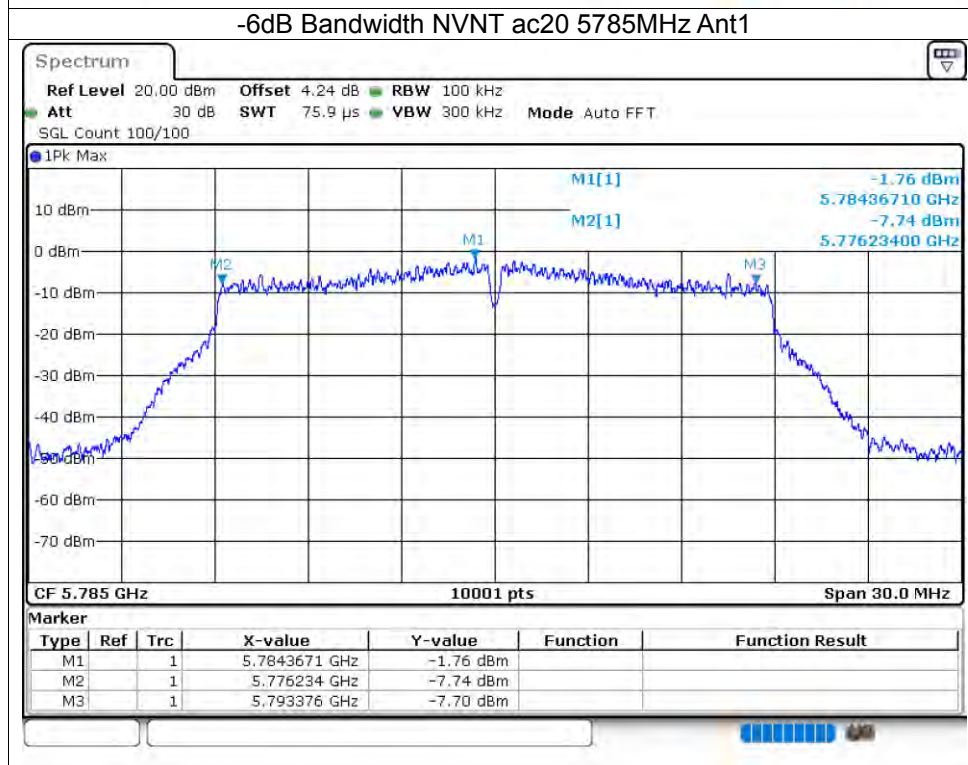
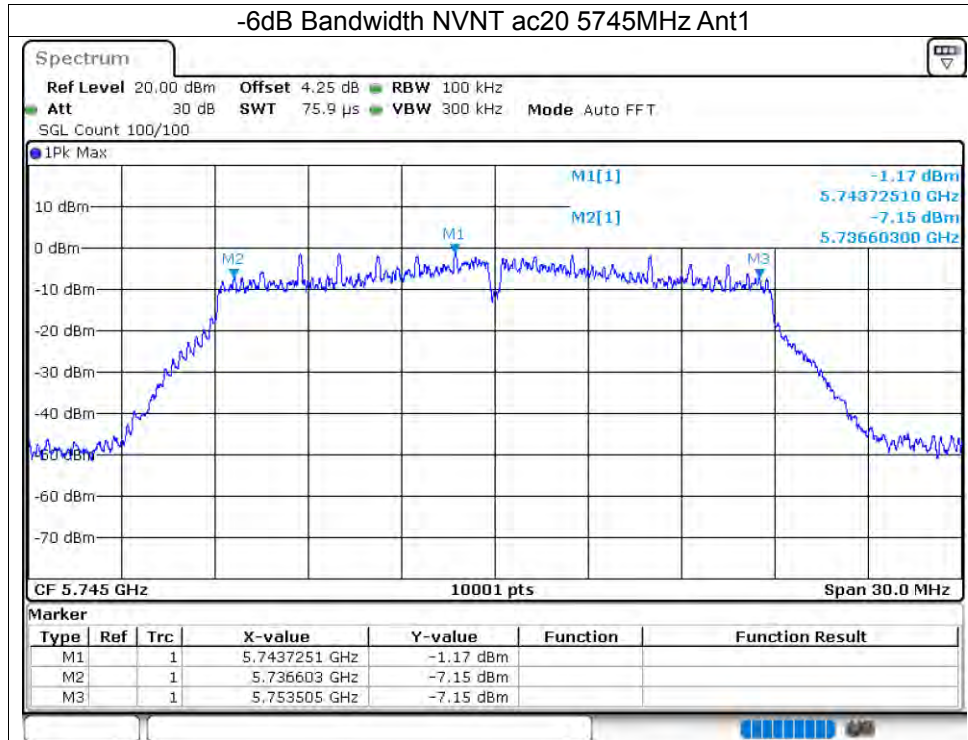


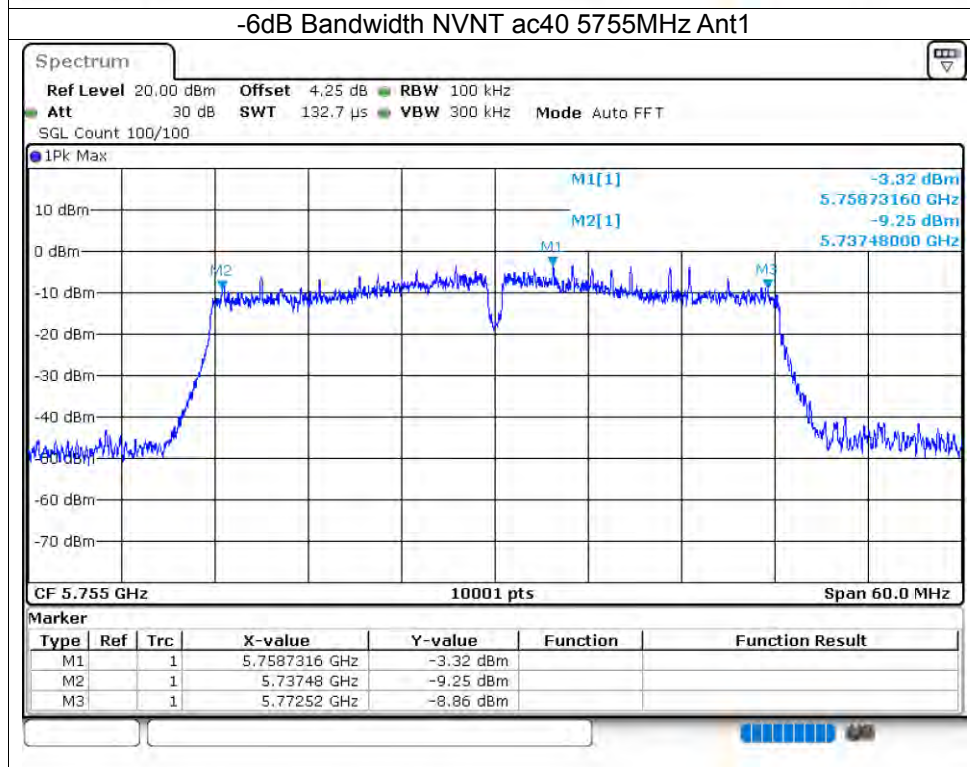
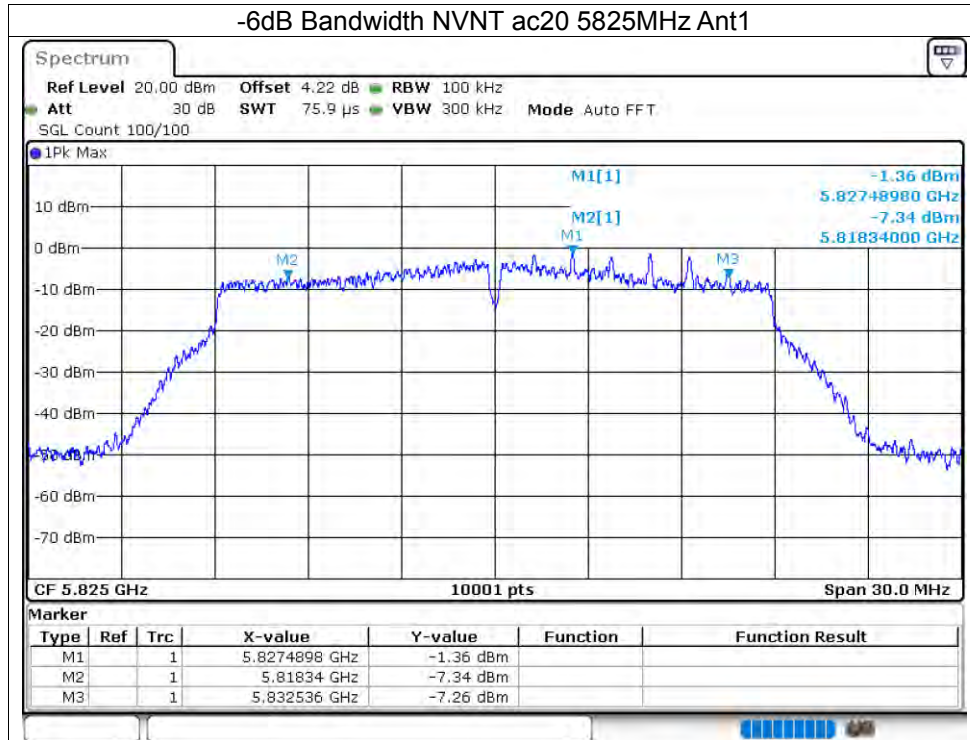
-6dB Bandwidth NVNT n20 5745MHz Ant1

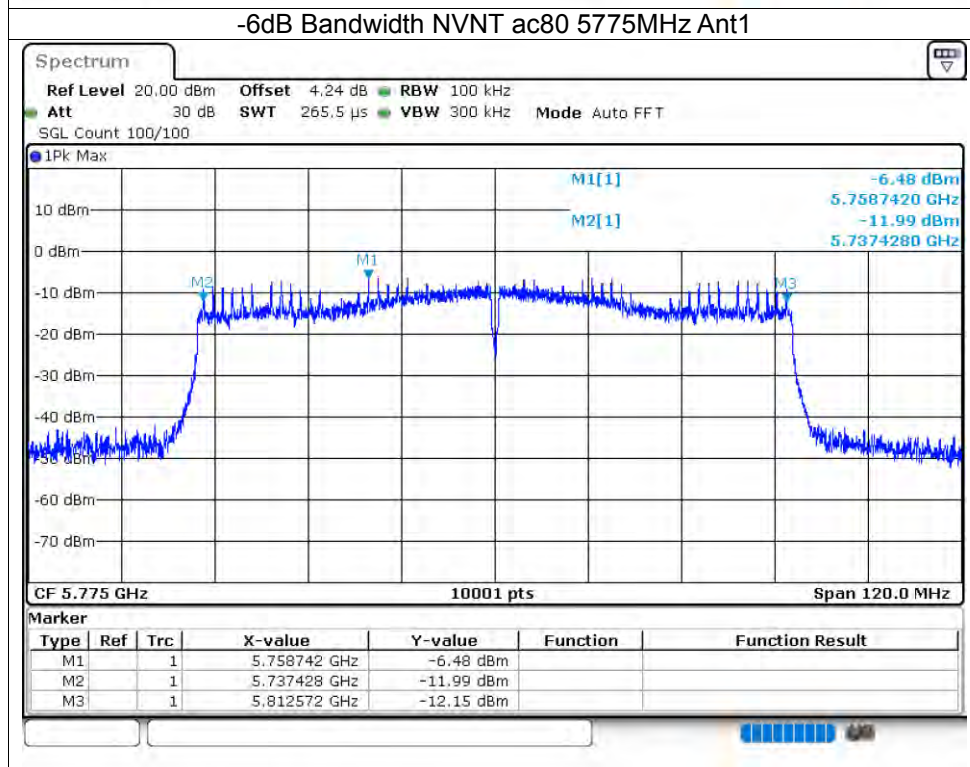
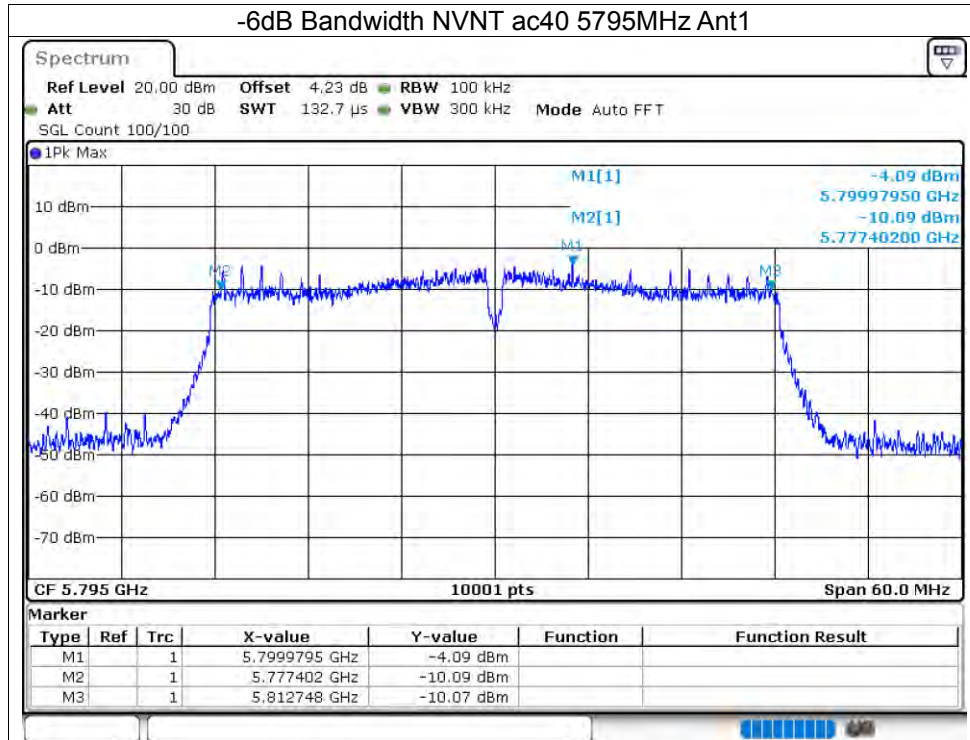






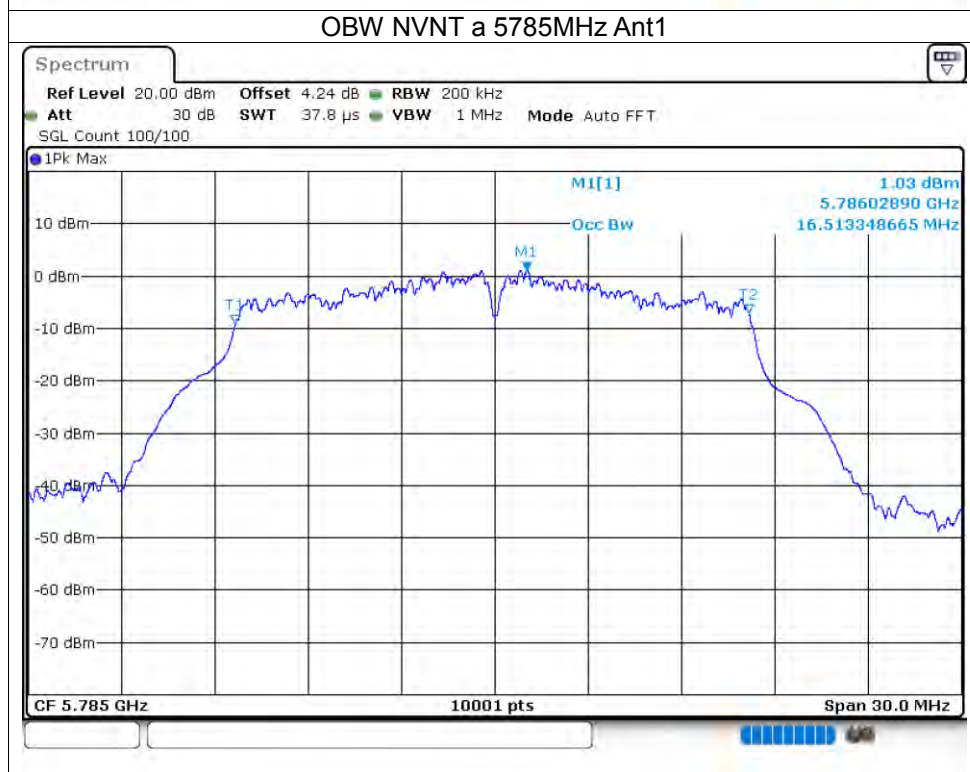
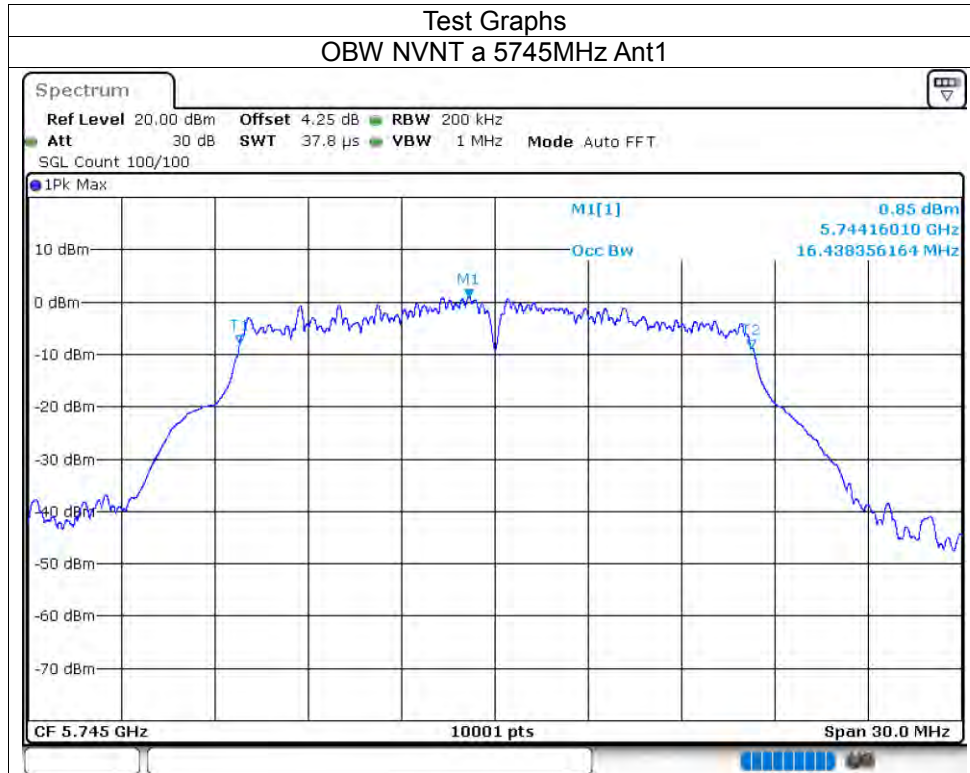




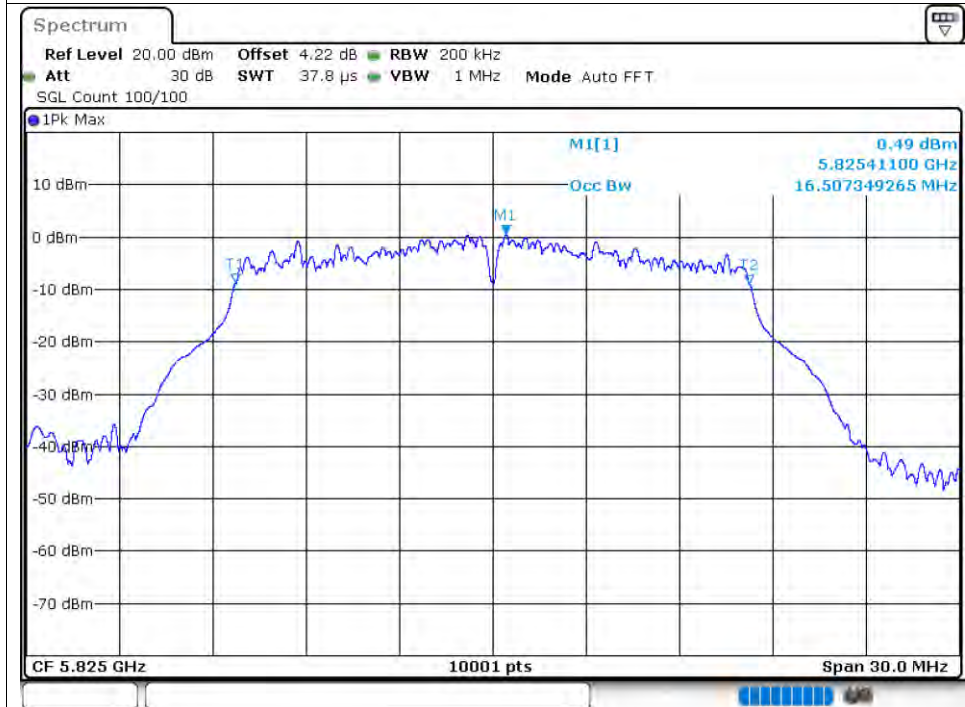


5.4 Occupied Channel Bandwidth

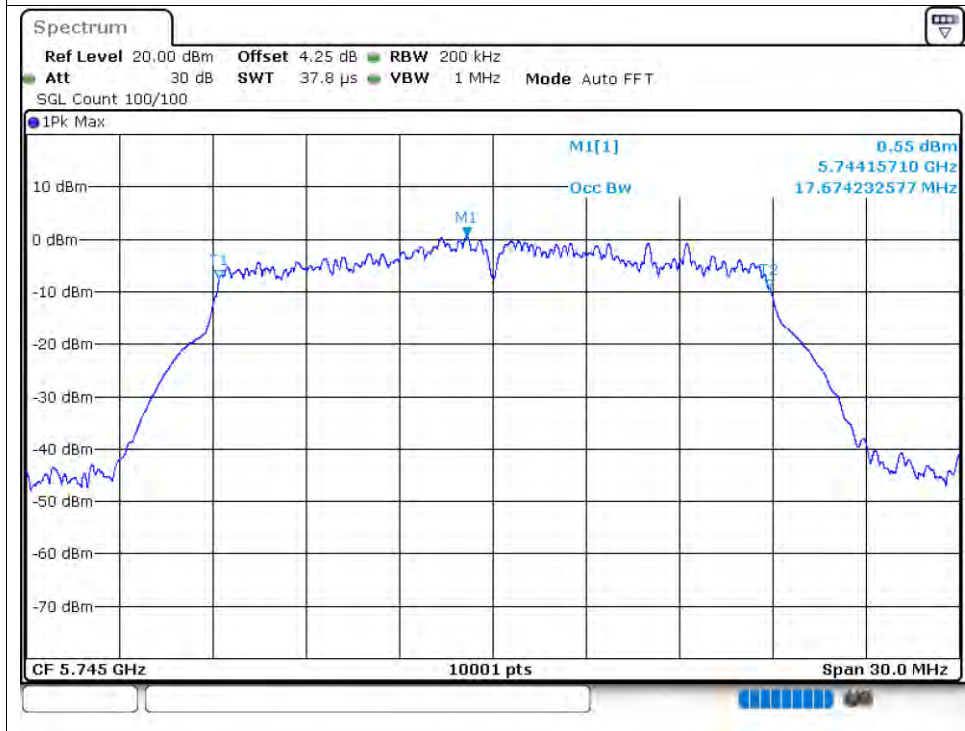
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.438
NVNT	a	5785	Ant1	16.513
NVNT	a	5825	Ant1	16.507
NVNT	n20	5745	Ant1	17.674
NVNT	n20	5785	Ant1	17.542
NVNT	n20	5825	Ant1	17.719
NVNT	n40	5755	Ant1	36.08
NVNT	n40	5795	Ant1	36.158
NVNT	ac20	5745	Ant1	17.506
NVNT	ac20	5785	Ant1	17.662
NVNT	ac20	5825	Ant1	17.62
NVNT	ac40	5755	Ant1	36.11
NVNT	ac40	5795	Ant1	36.146
NVNT	ac80	5775	Ant1	75.148



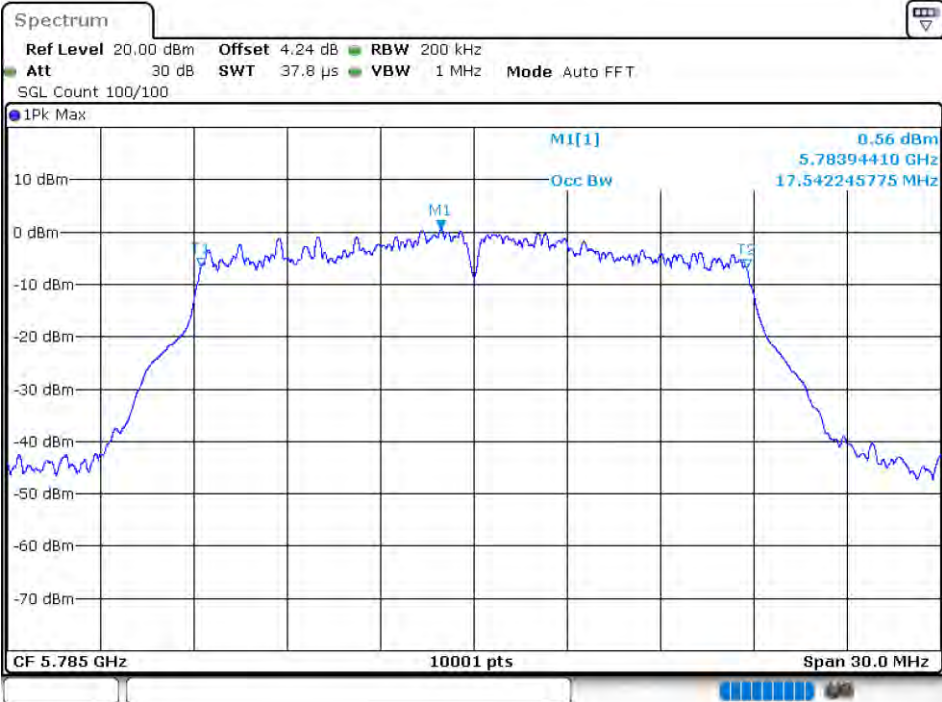
OBW NVNT a 5825MHz Ant1



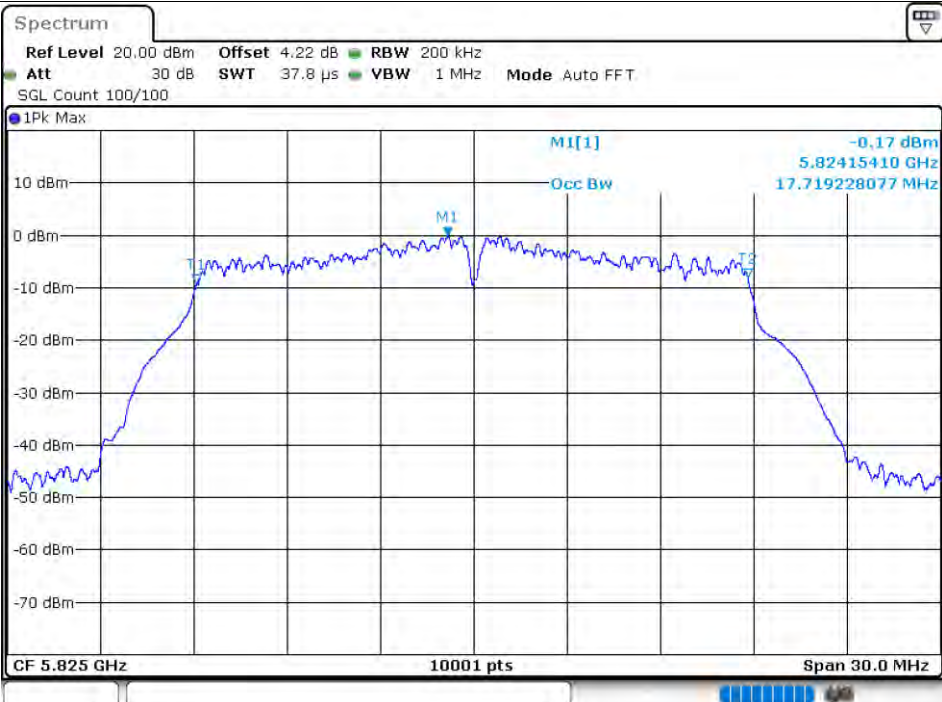
OBW NVNT n20 5745MHz Ant1

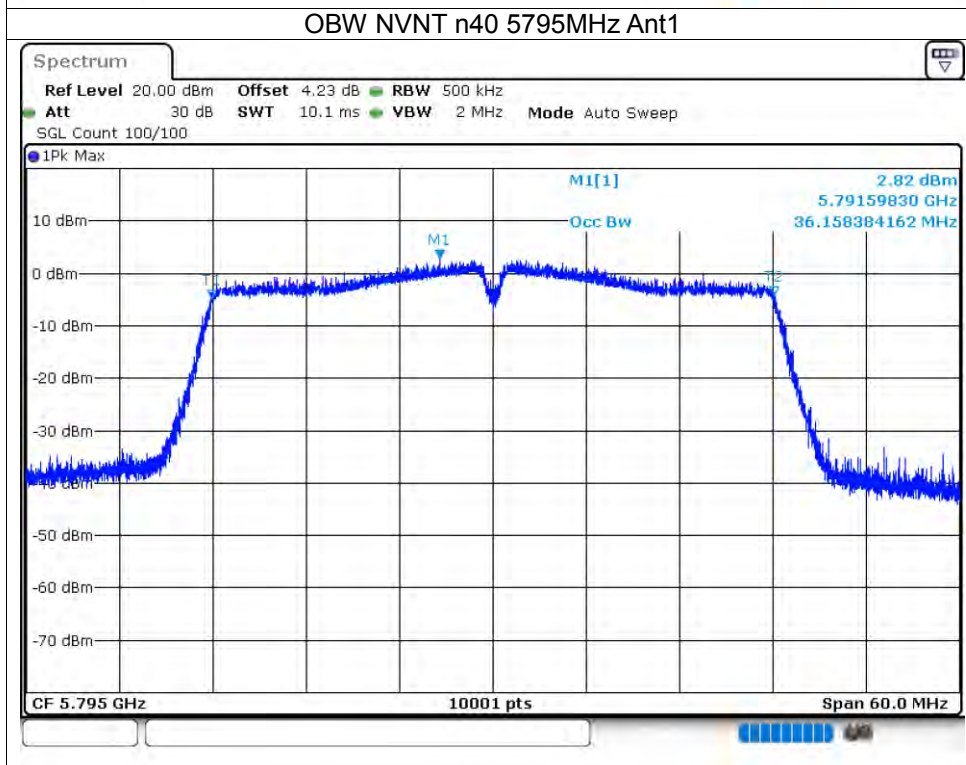
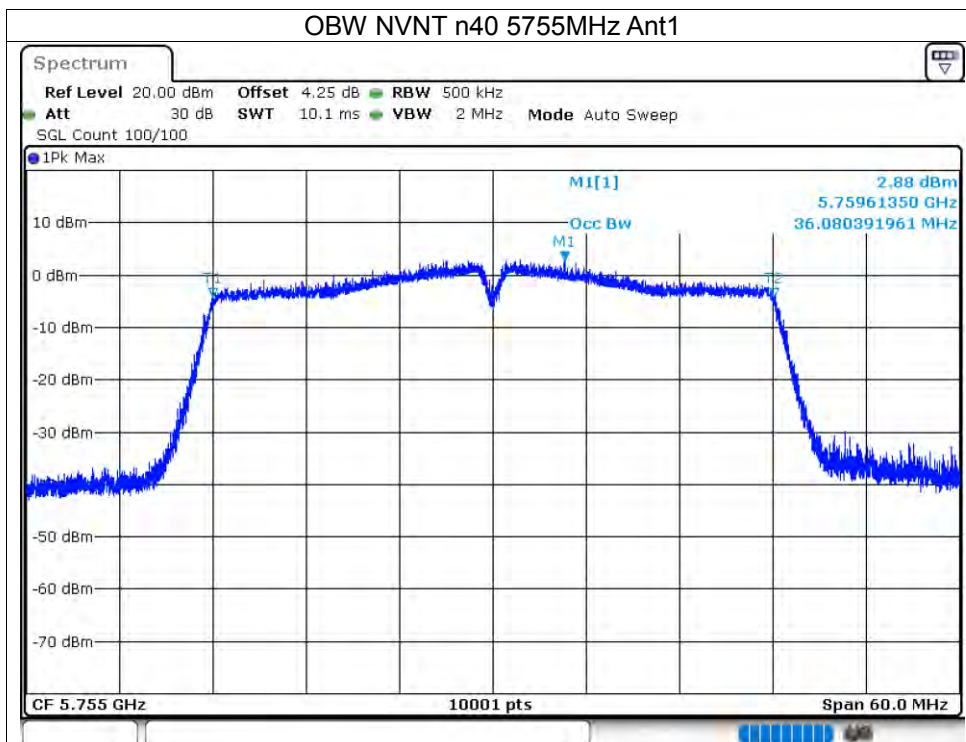


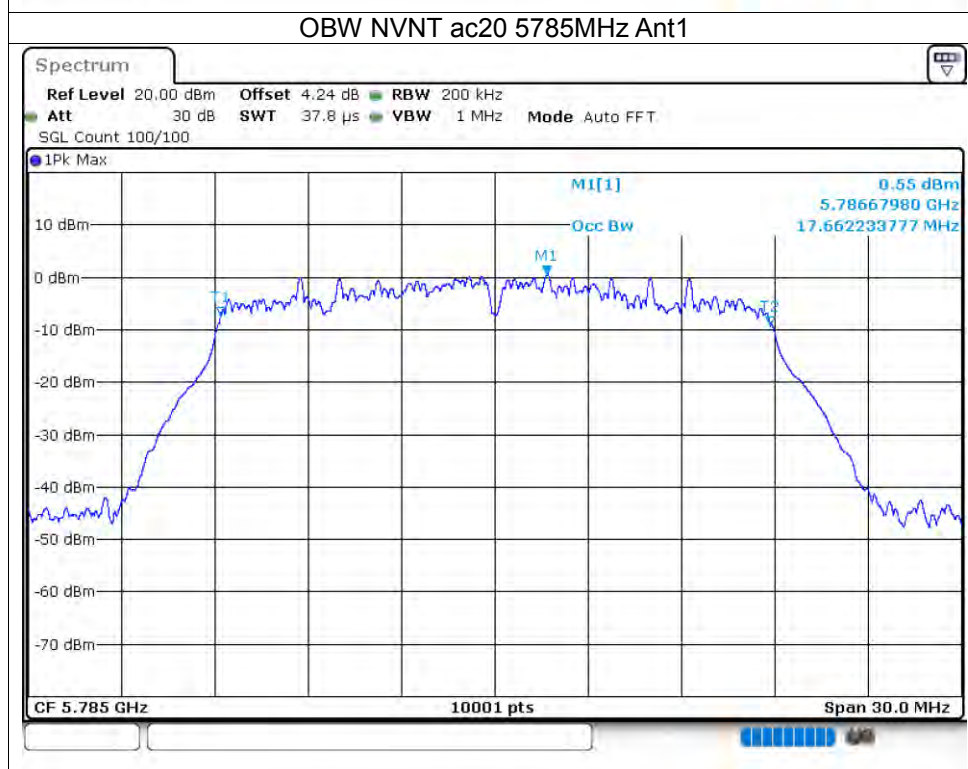
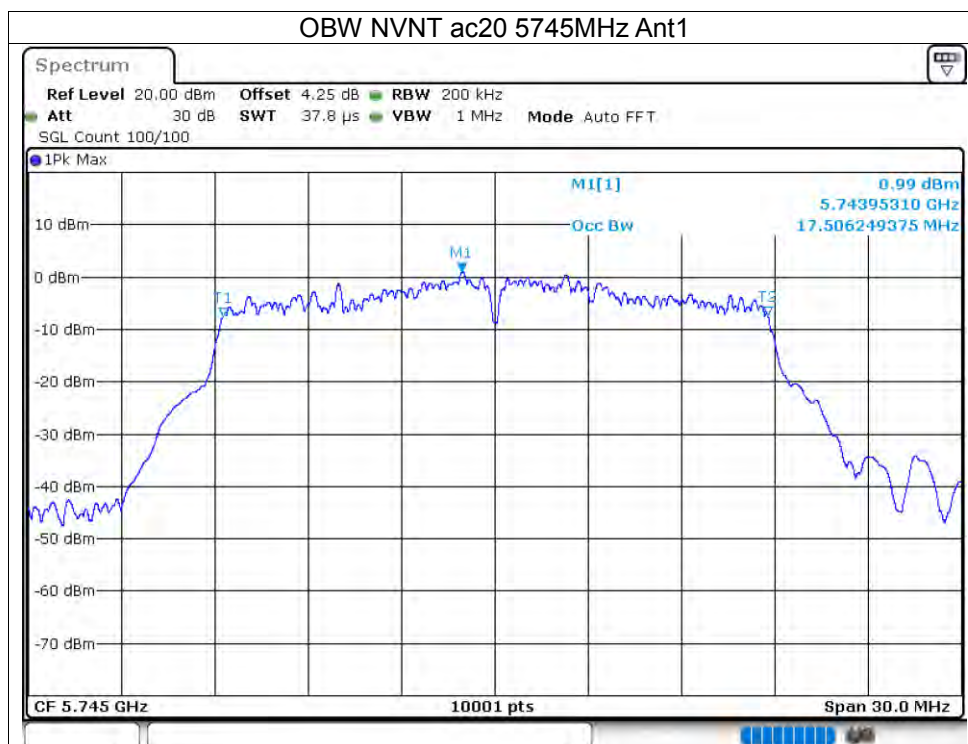
OBW NVNT n20 5785MHz Ant1

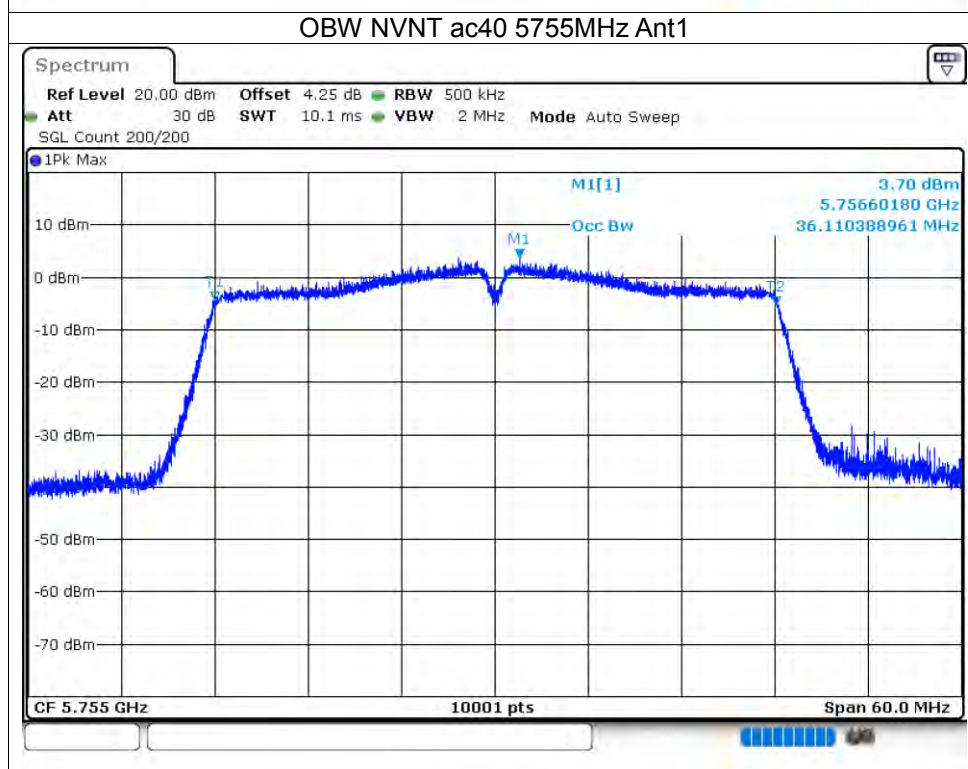
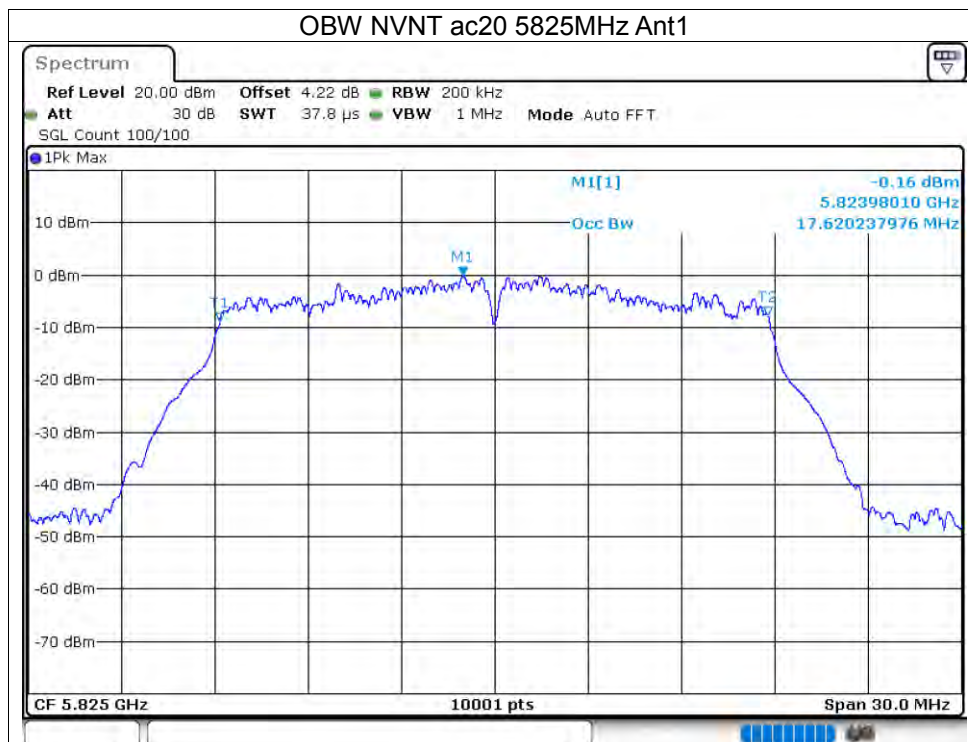


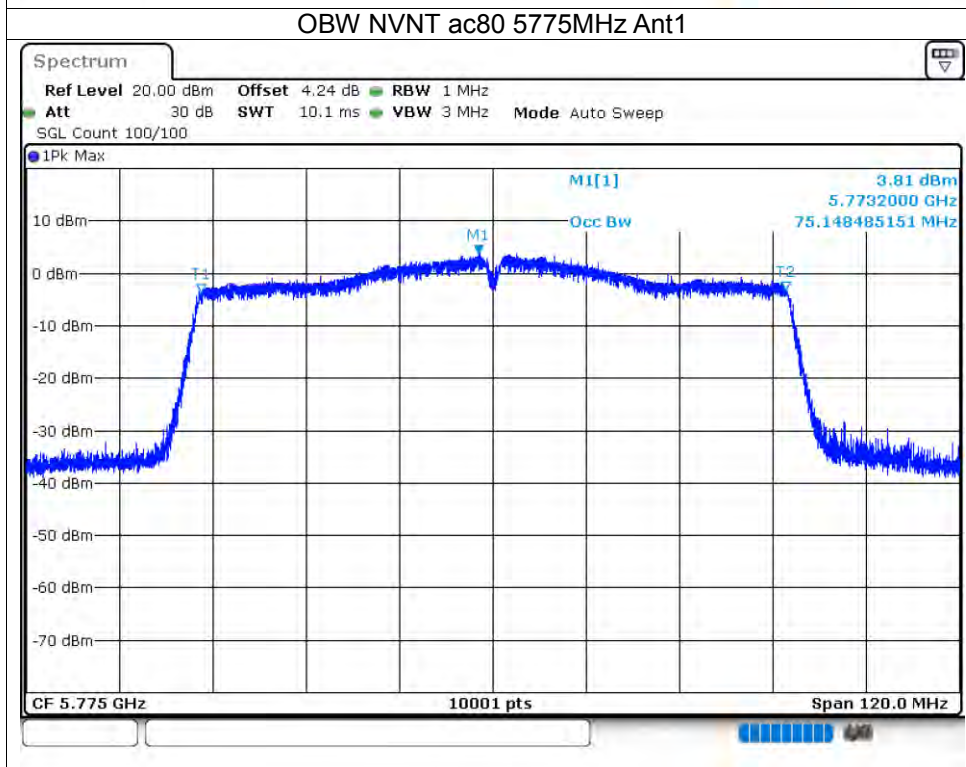
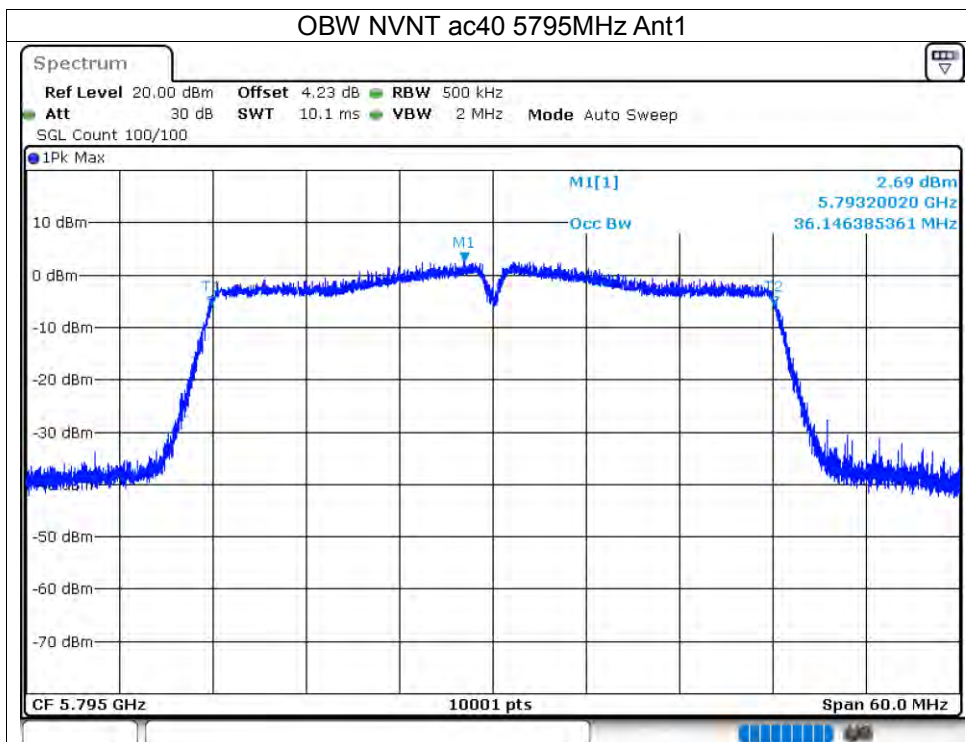
OBW NVNT n20 5825MHz Ant1









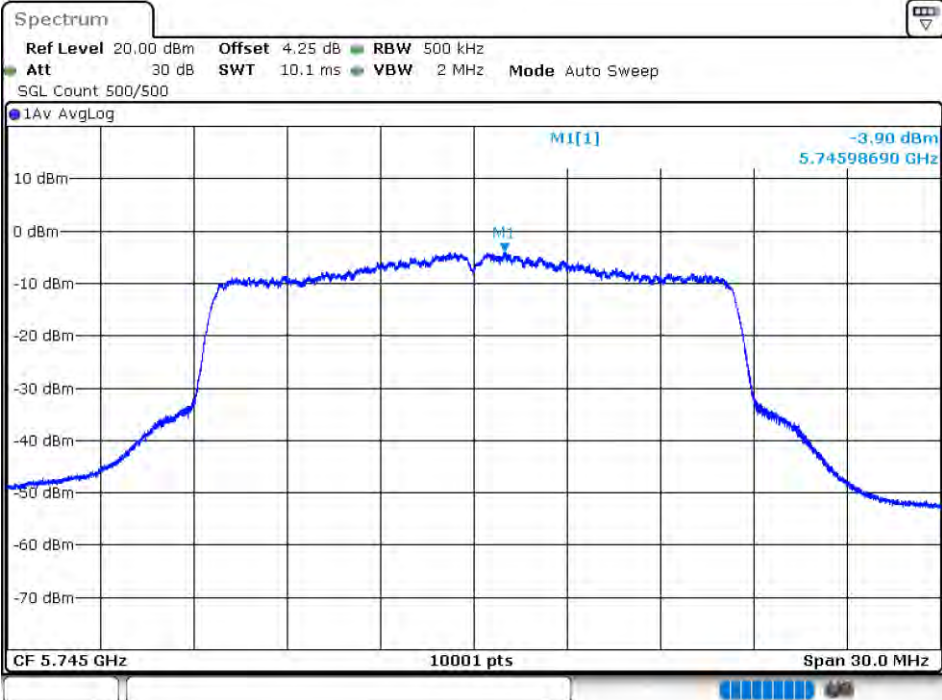


5.5 Maximum Power Spectral Density Level

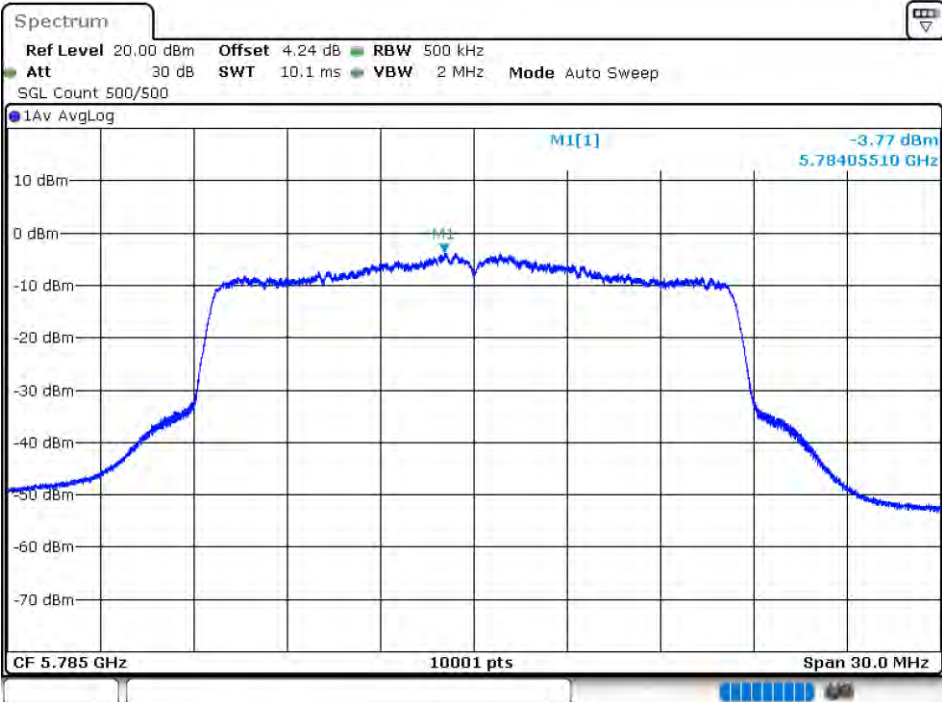
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-3.9	0.09	-3.81	30	Pass
NVNT	a	5785	Ant1	-3.77	0.1	-3.67	30	Pass
NVNT	a	5825	Ant1	-4.14	0.09	-4.05	30	Pass
NVNT	n20	5745	Ant1	-4.63	0.1	-4.53	30	Pass
NVNT	n20	5785	Ant1	-4.76	0.1	-4.66	30	Pass
NVNT	n20	5825	Ant1	-5.07	0.1	-4.97	30	Pass
NVNT	n40	5755	Ant1	-8.56	0.2	-8.36	30	Pass
NVNT	n40	5795	Ant1	-8.98	0.19	-8.79	30	Pass
NVNT	ac20	5745	Ant1	-4.6	0.1	-4.5	30	Pass
NVNT	ac20	5785	Ant1	-4.82	0.1	-4.72	30	Pass
NVNT	ac20	5825	Ant1	-5.04	0.1	-4.94	30	Pass
NVNT	ac40	5755	Ant1	-9.02	0.19	-8.83	30	Pass
NVNT	ac40	5795	Ant1	-9.2	0.19	-9.01	30	Pass
NVNT	ac80	5775	Ant1	-13.71	0.39	-13.32	30	Pass

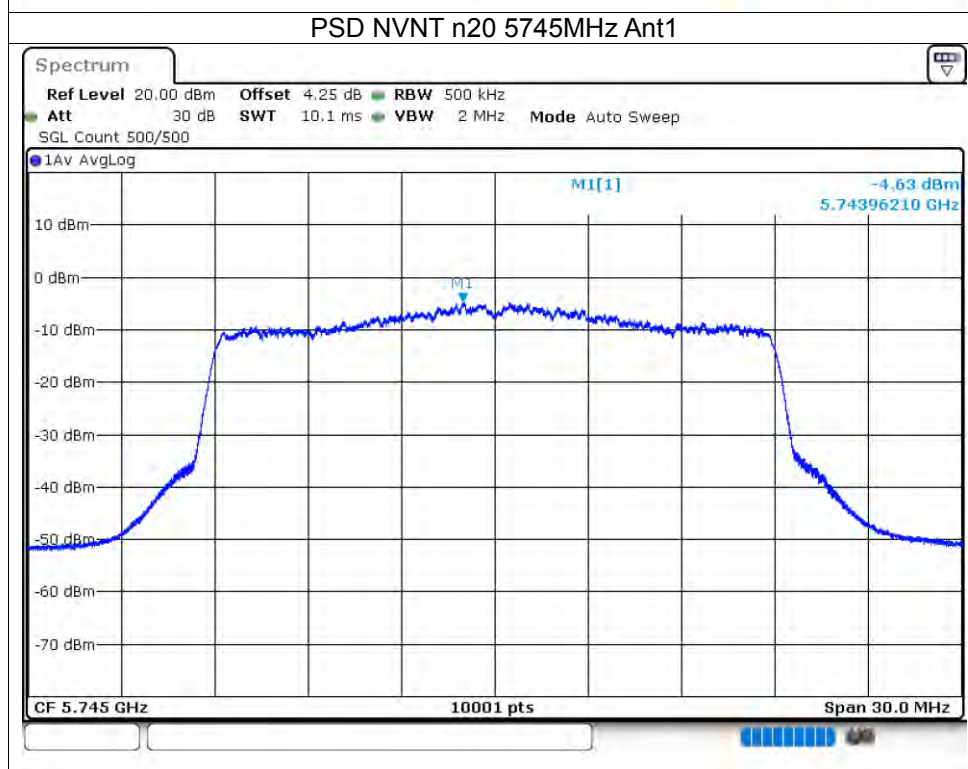
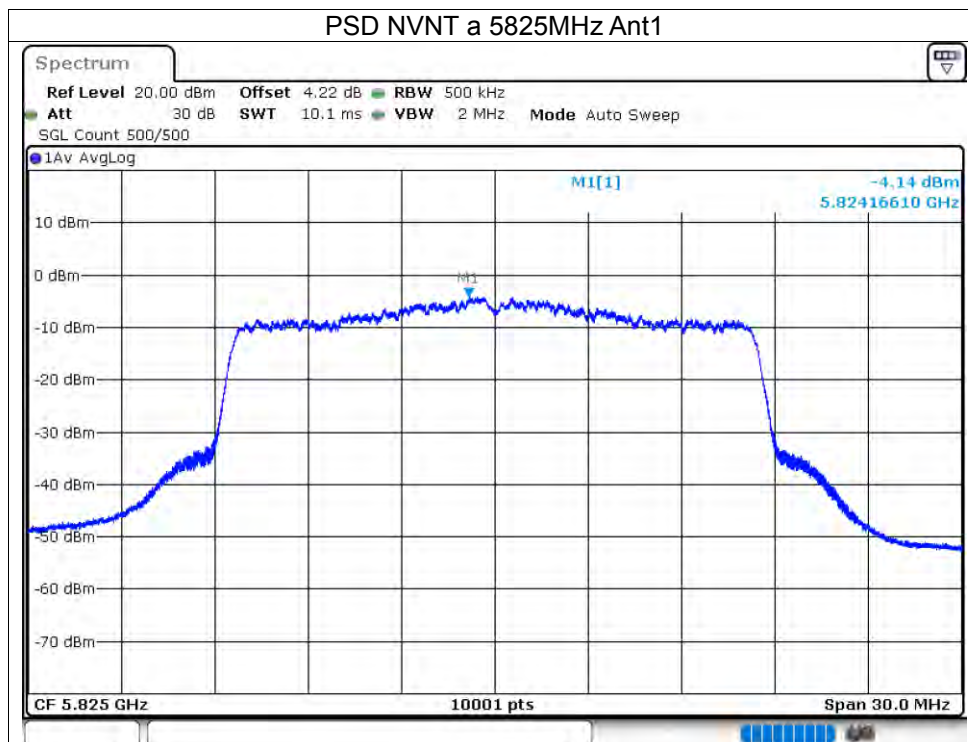
Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1

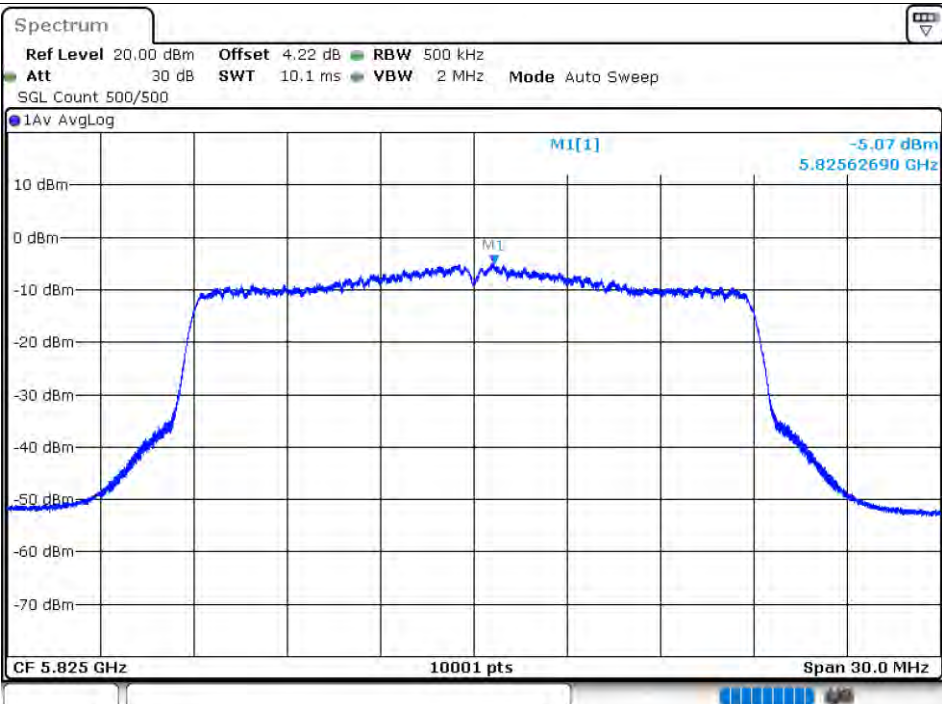




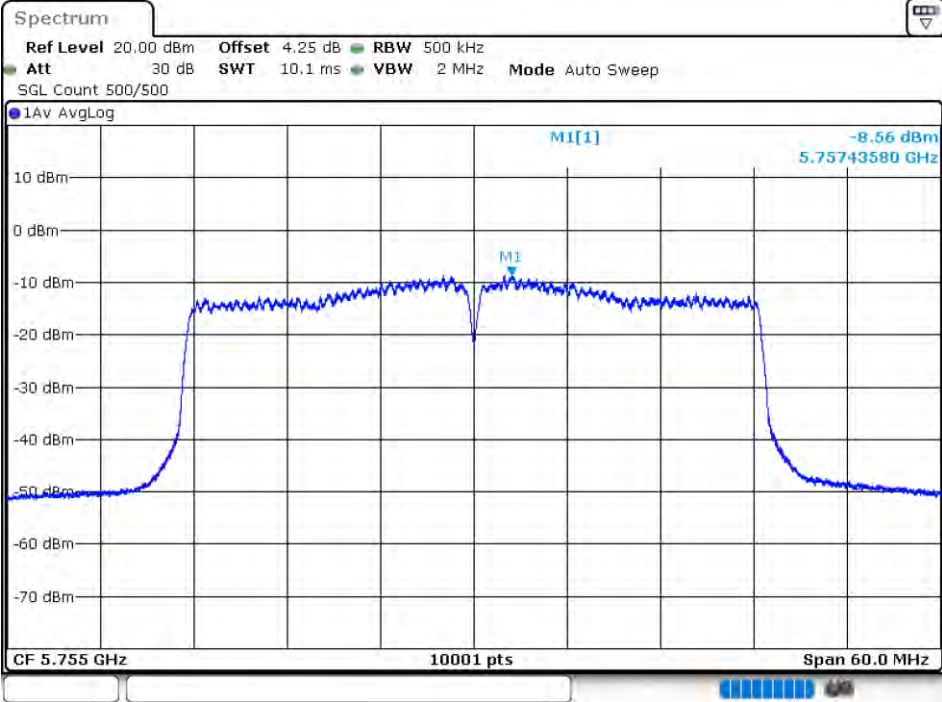
PSD NVNT n20 5785MHz Ant1



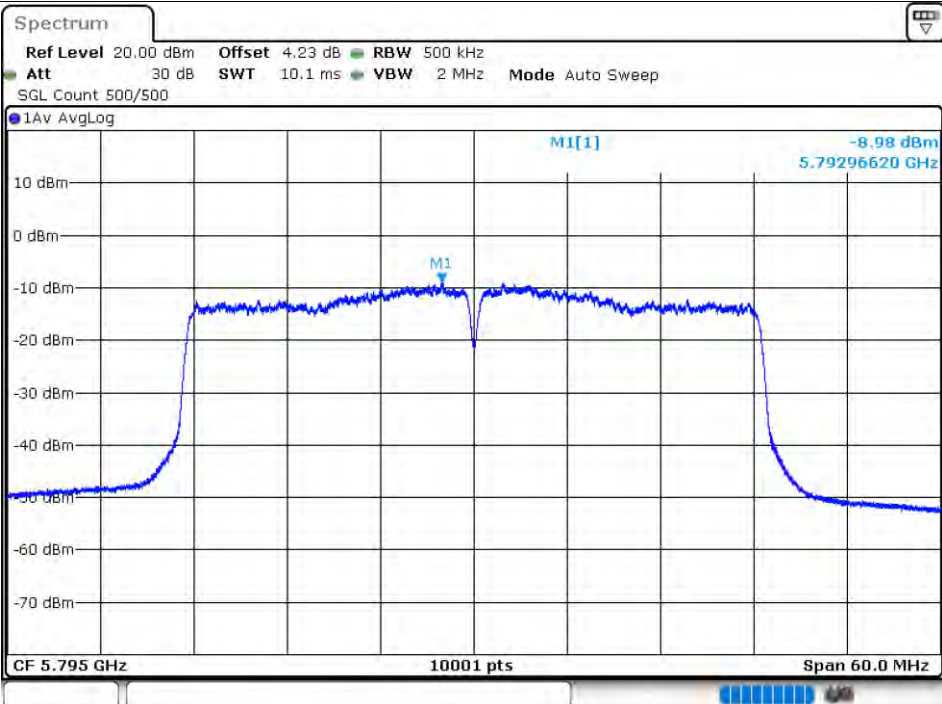
PSD NVNT n20 5825MHz Ant1

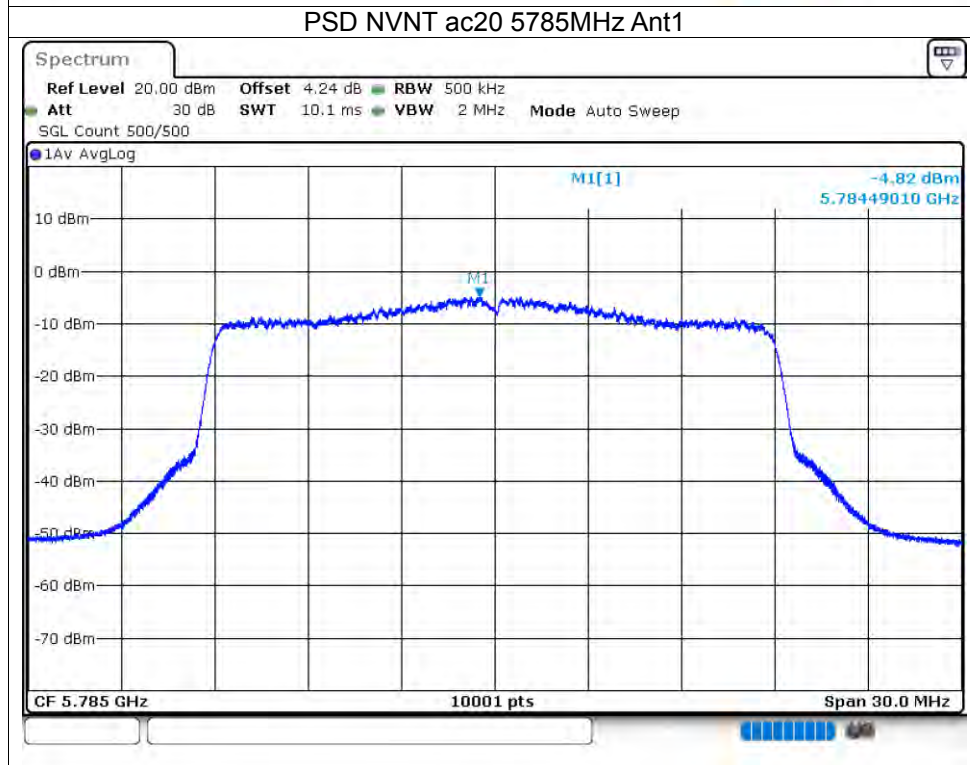
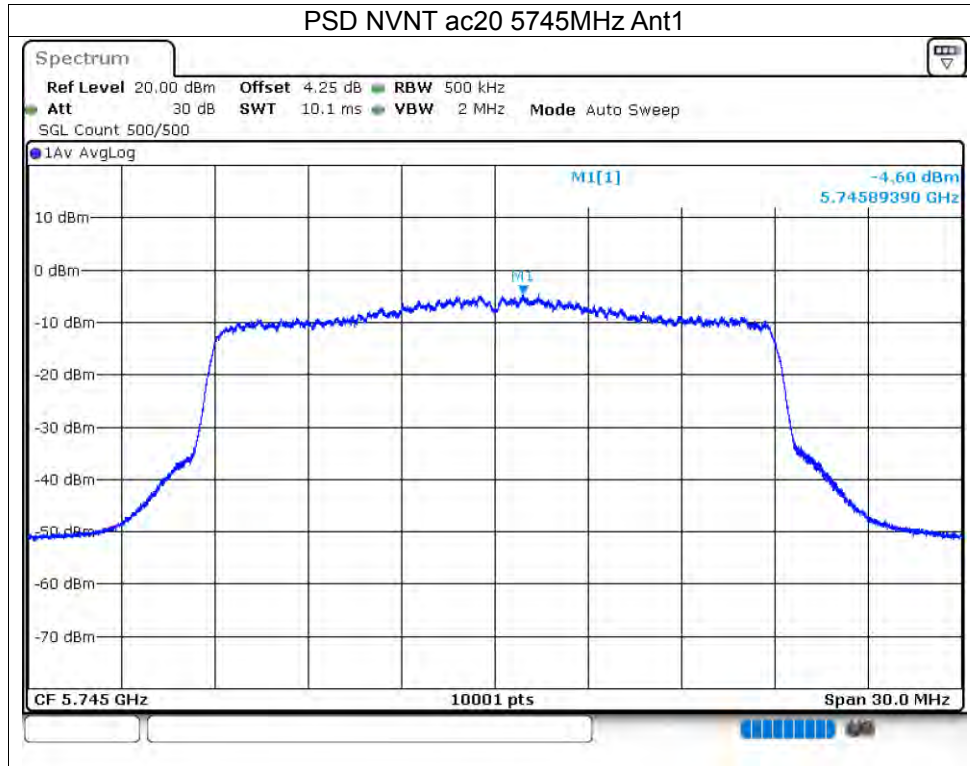


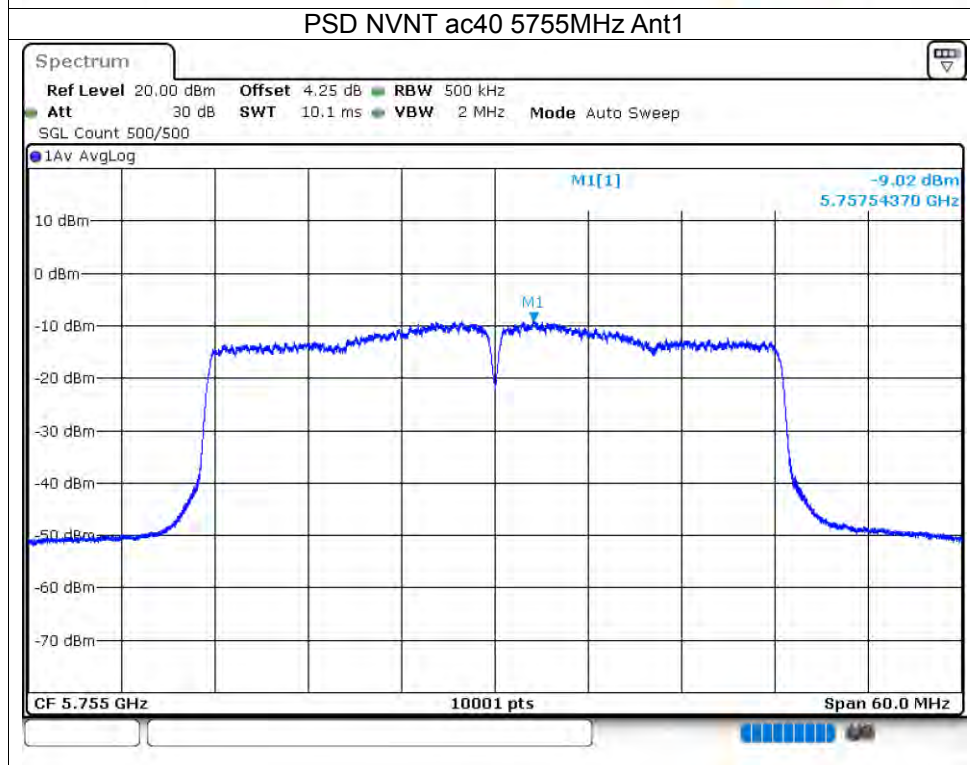
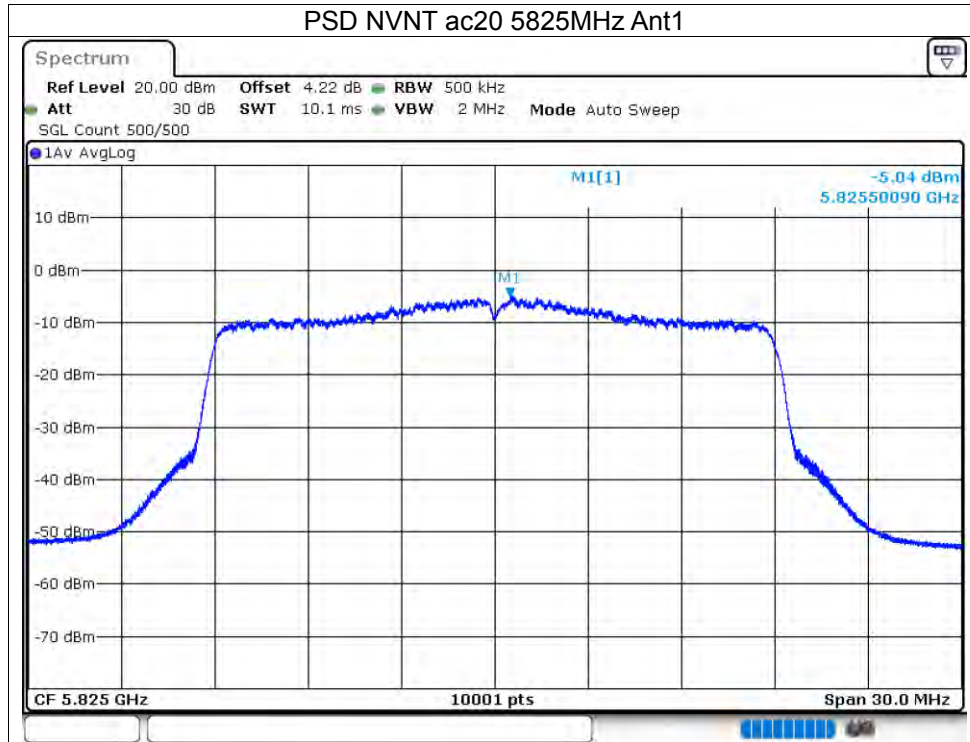
PSD NVNT n40 5755MHz Ant1

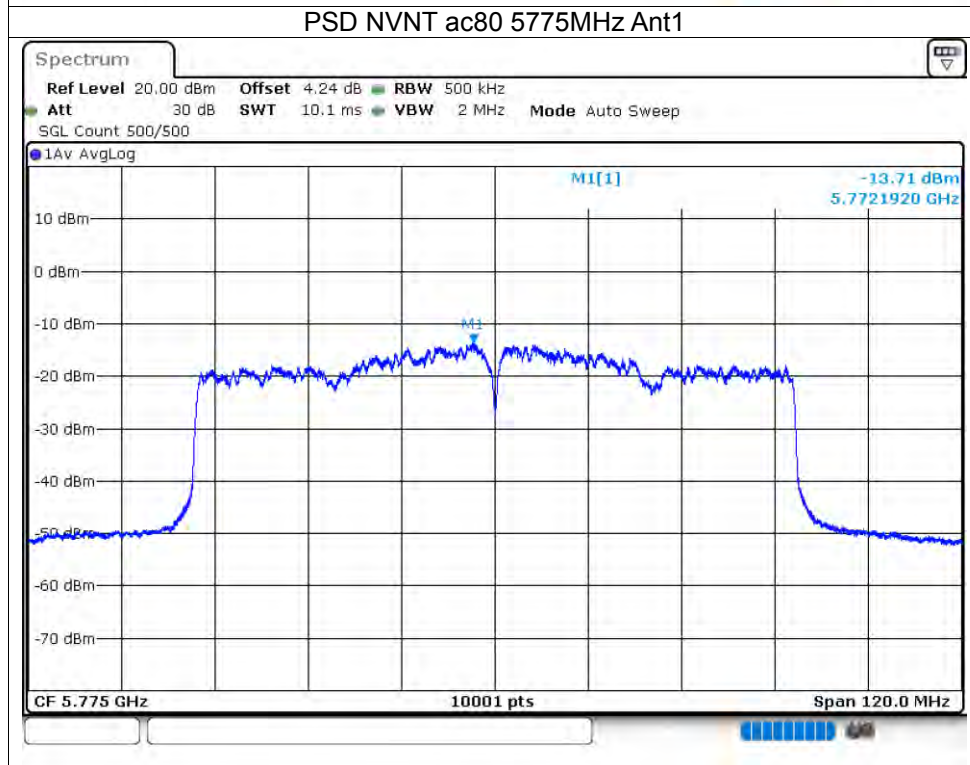
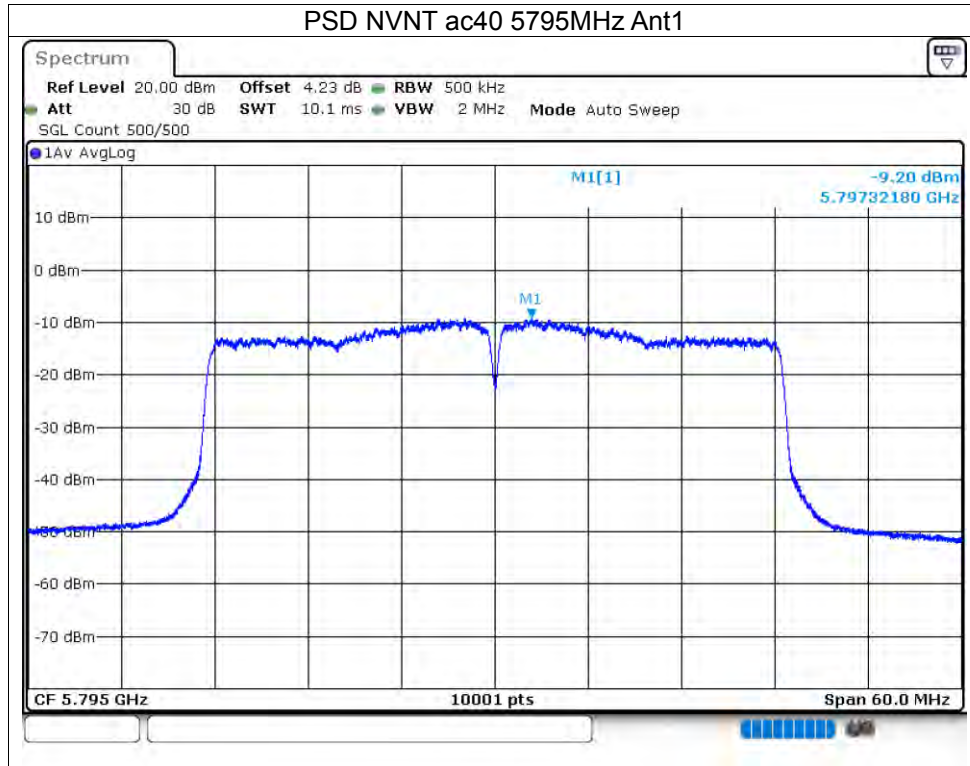


PSD NVNT n40 5795MHz Ant1









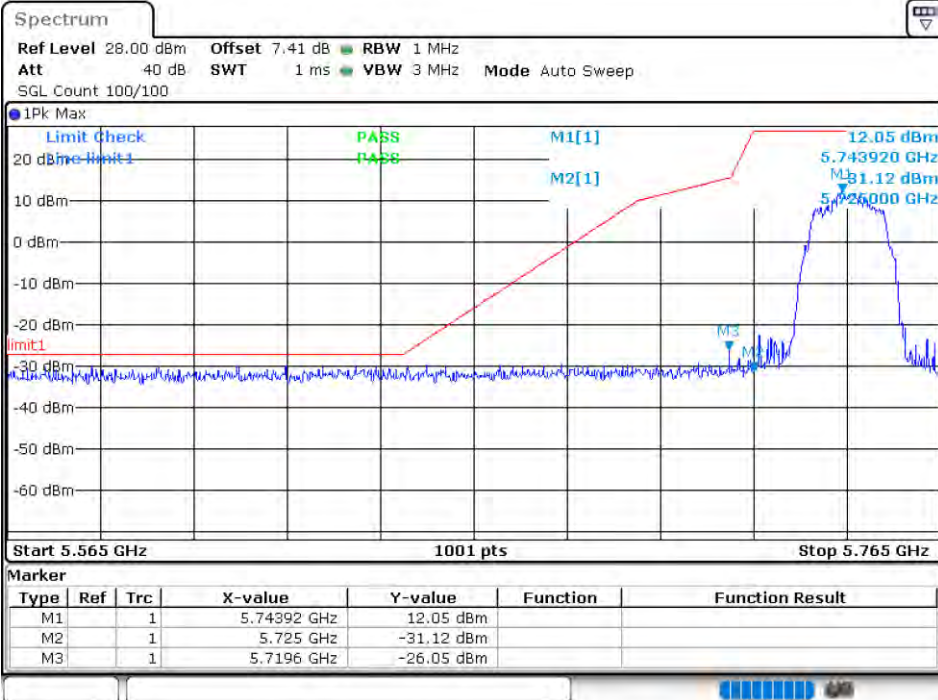
5.5 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-26.04	Pass
NVNT	a	5825	Ant1	-28.1	Pass
NVNT	n20	5745	Ant1	-28.8	Pass
NVNT	n20	5825	Ant1	-28.12	Pass
NVNT	n40	5755	Ant1	-27.95	Pass
NVNT	n40	5795	Ant1	-28.07	Pass
NVNT	ac20	5745	Ant1	-28.58	Pass
NVNT	ac20	5825	Ant1	-28.19	Pass
NVNT	ac40	5755	Ant1	-27.91	Pass
NVNT	ac40	5795	Ant1	-27.79	Pass
NVNT	ac80	5775	Ant1	-27.48	Pass
NVNT	ac80	5775	Ant1	-28.71	Pass

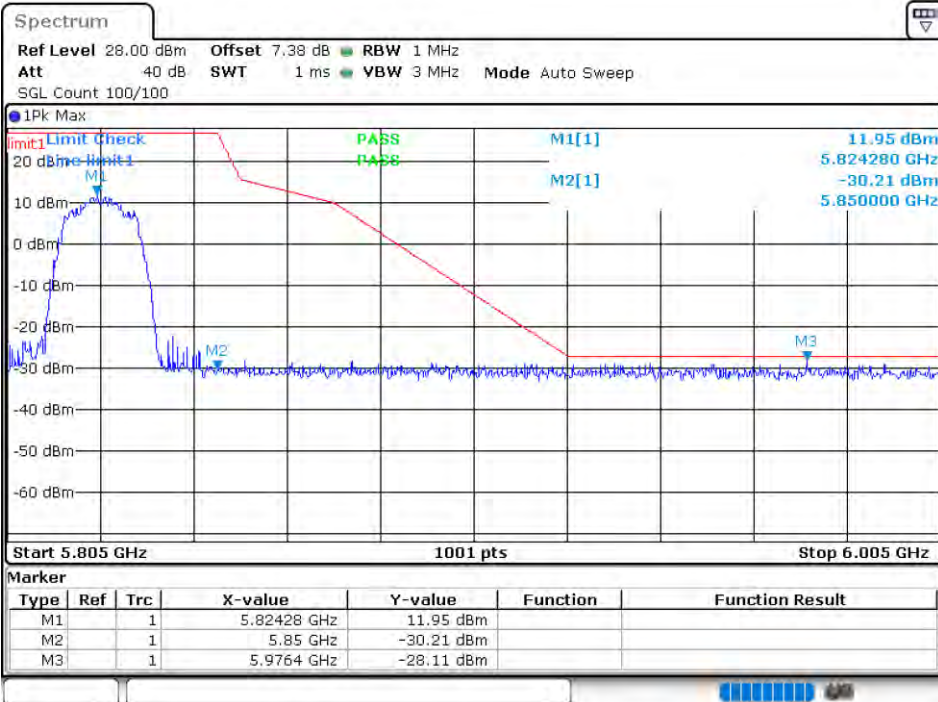
Note: Tested with increased antenna gain.

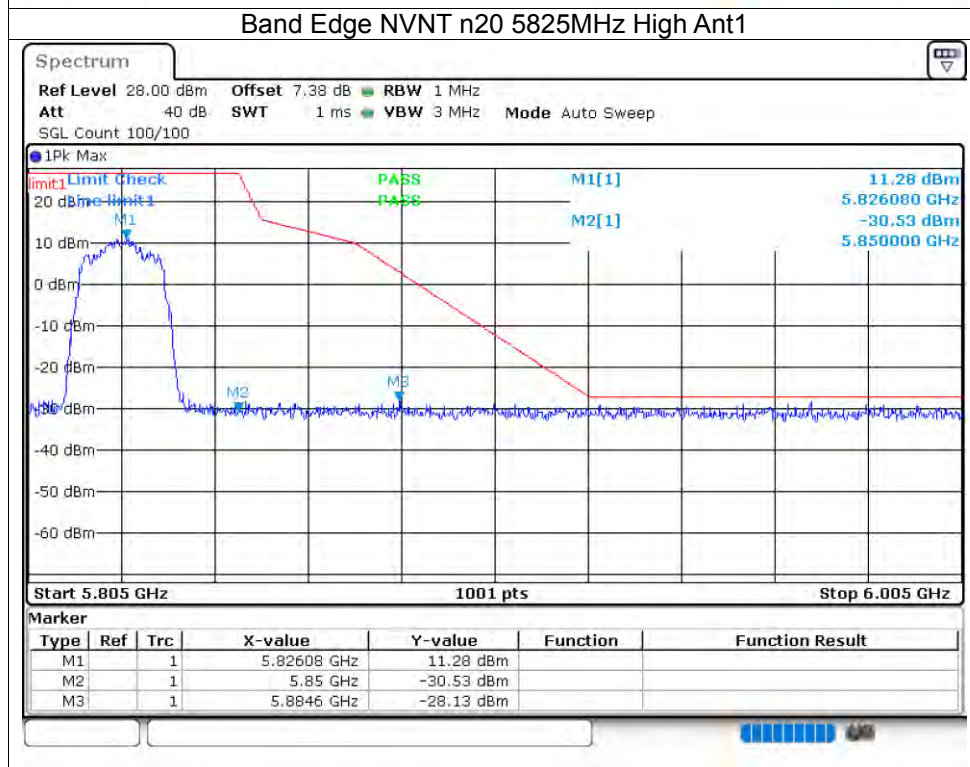
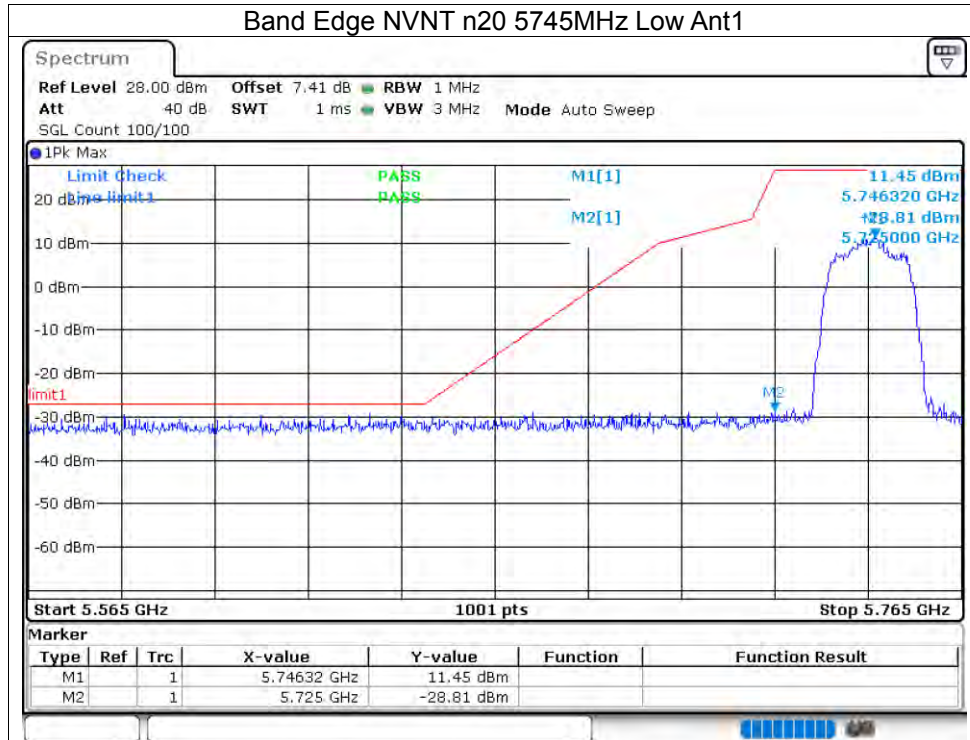
Test Graphs

Band Edge NVNT a 5745MHz Low Ant1

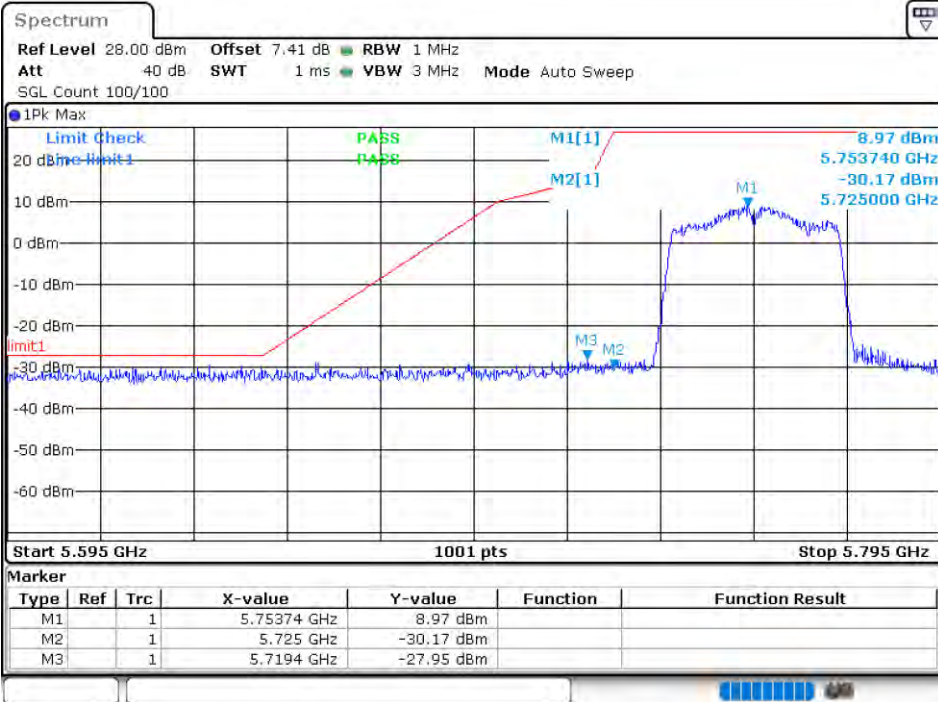


Band Edge NVNT a 5825MHz High Ant1

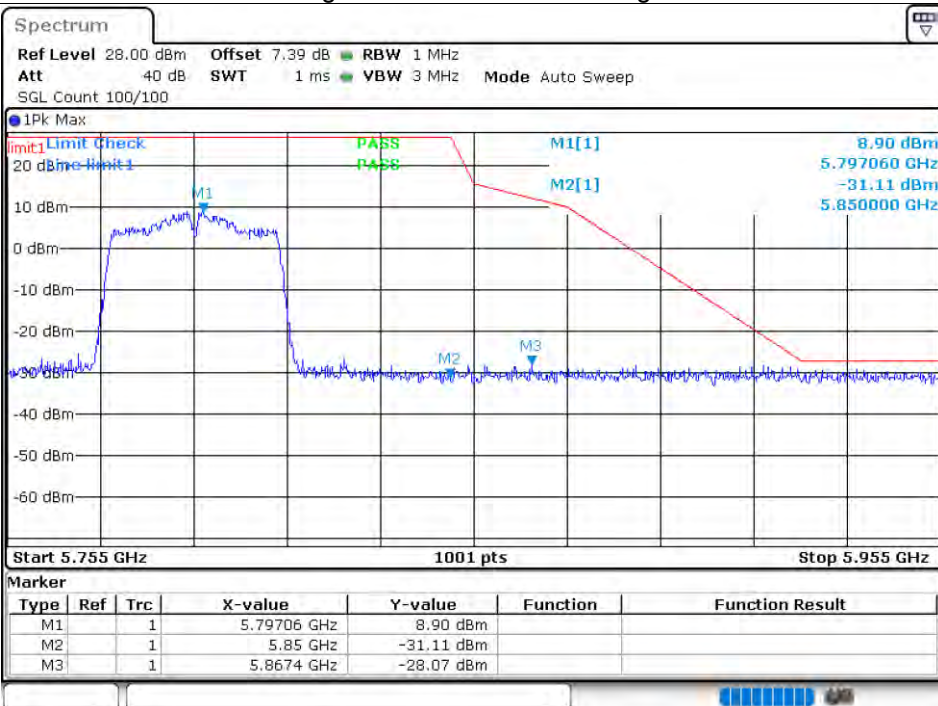


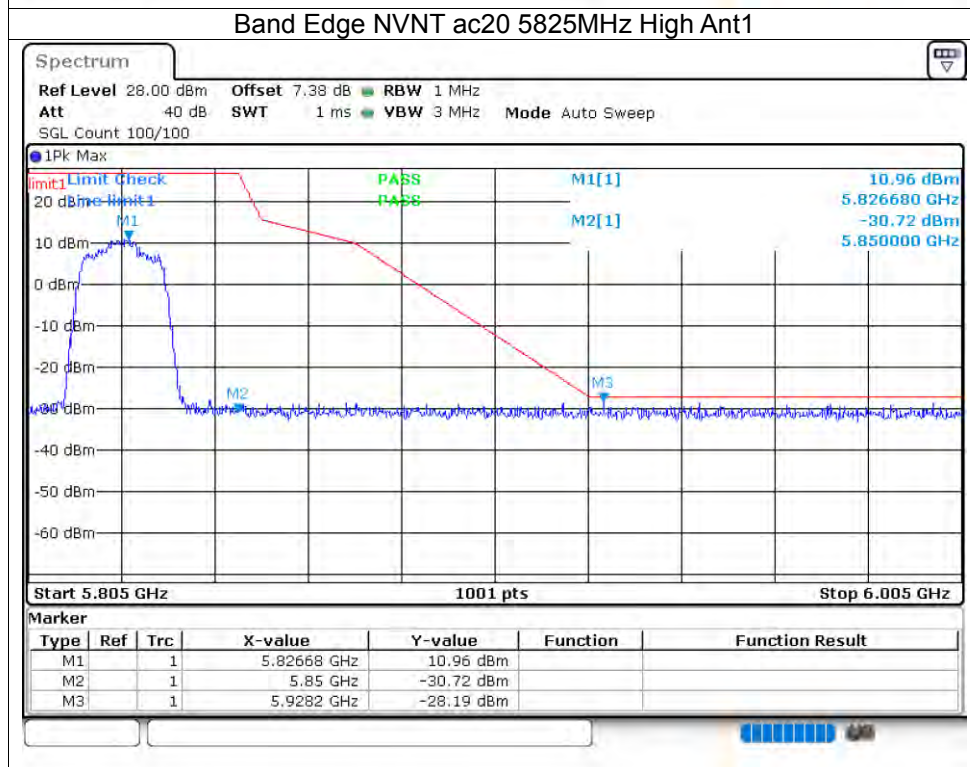
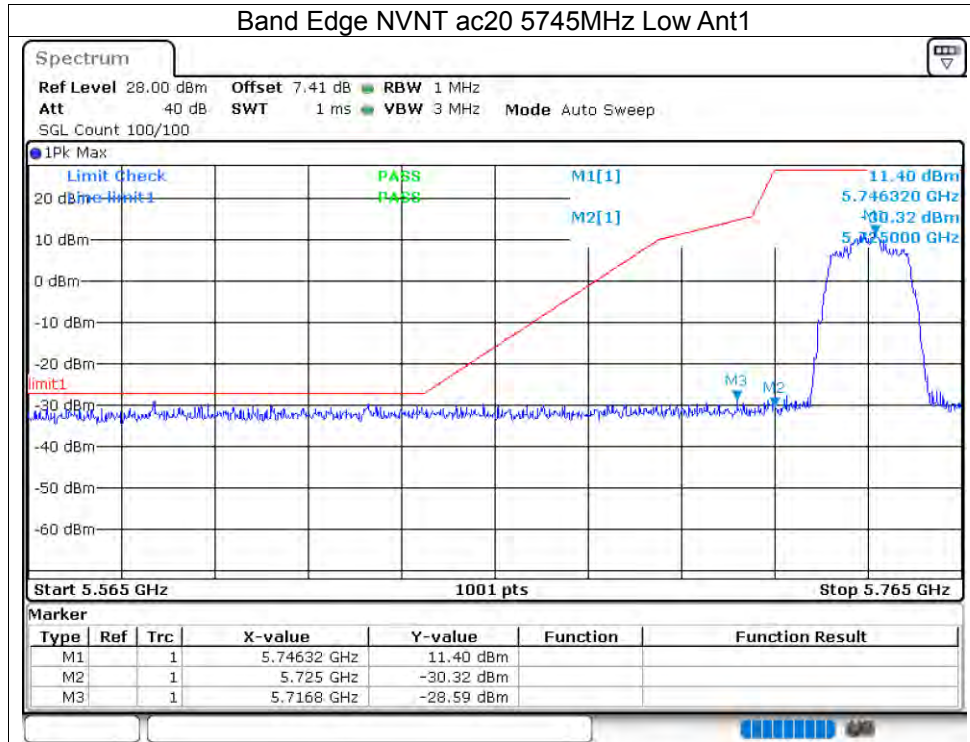


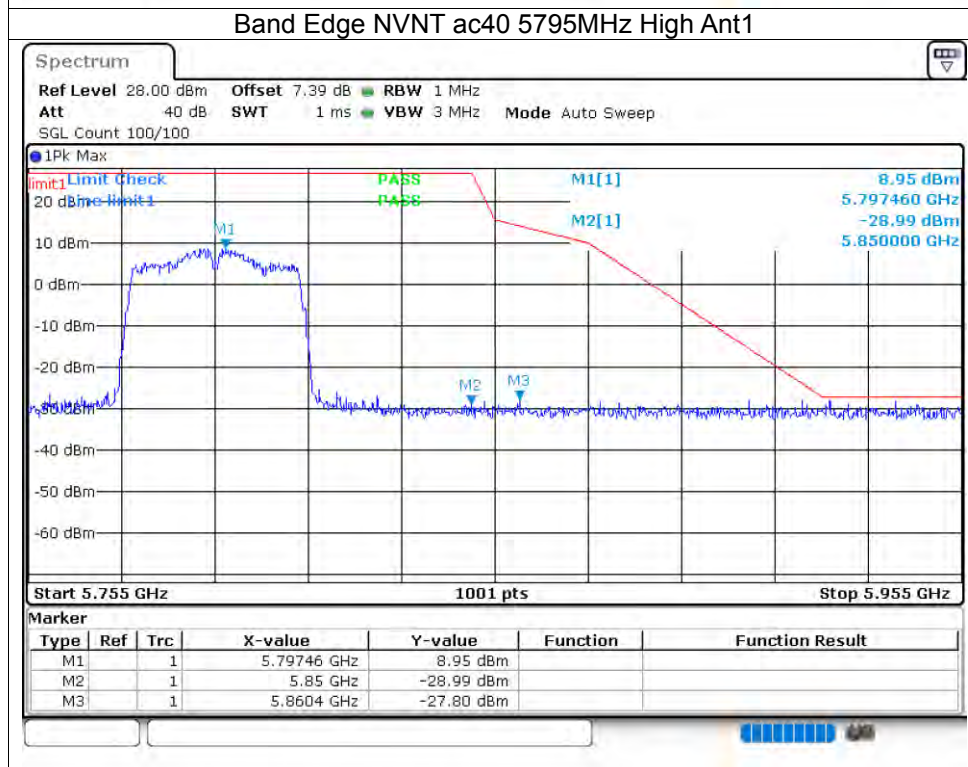
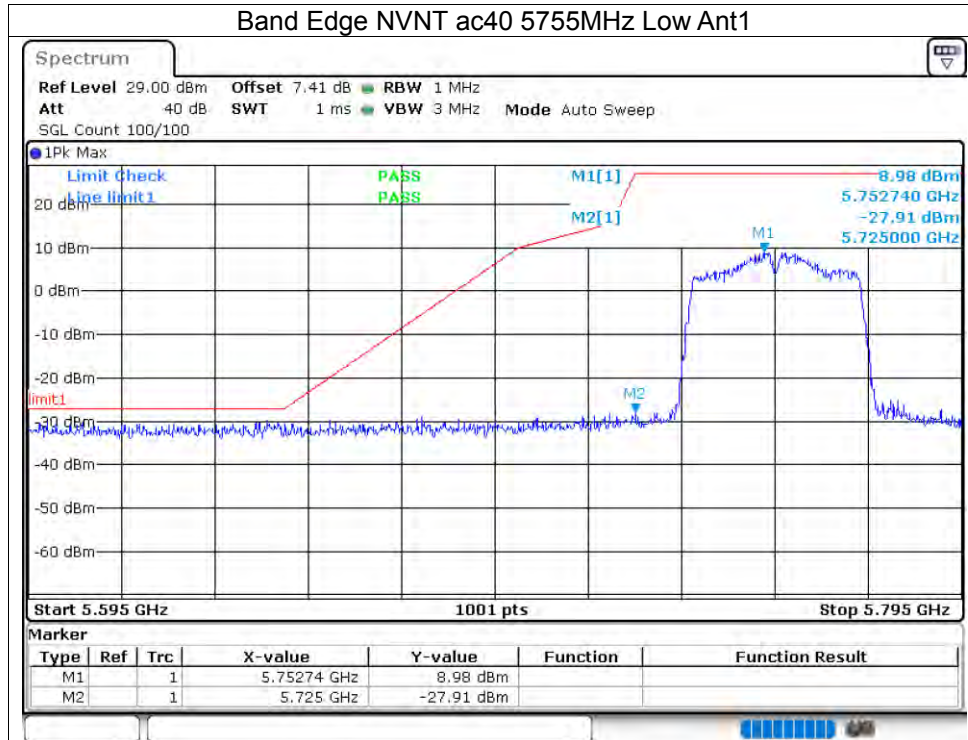
Band Edge NVNT n40 5755MHz Low Ant1

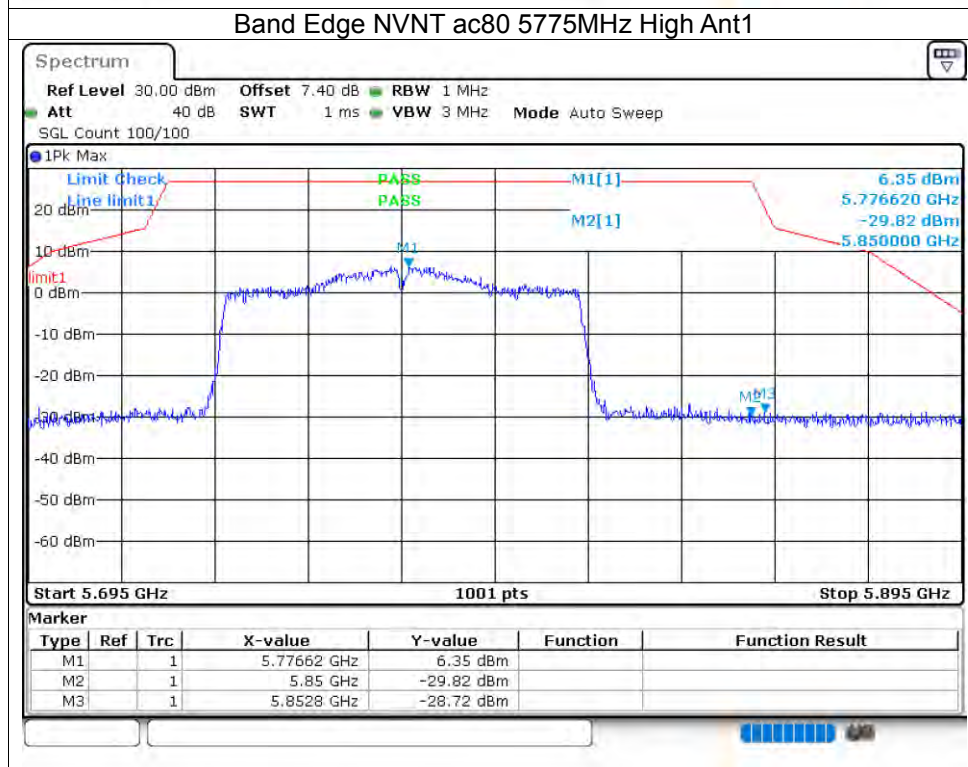
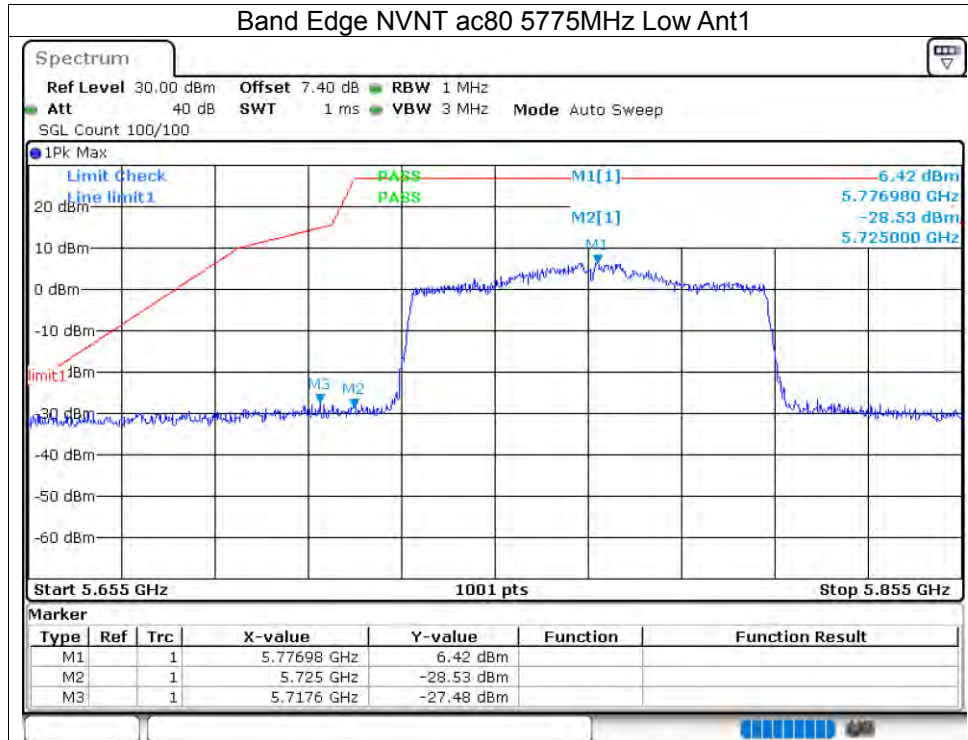


Band Edge NVNT n40 5795MHz High Ant1





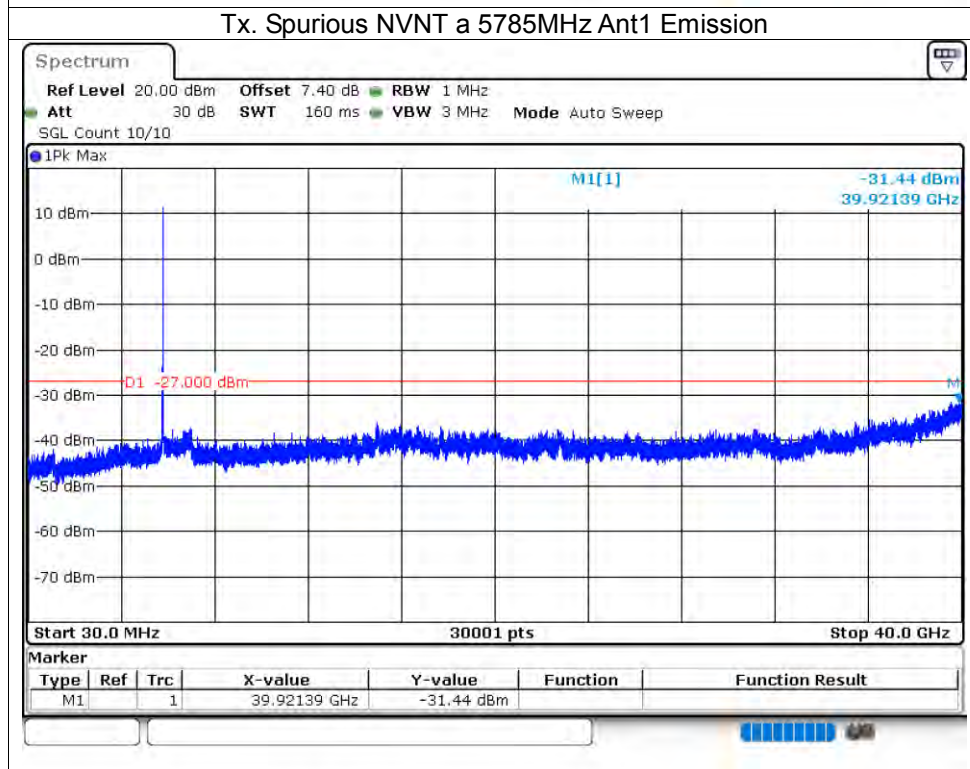
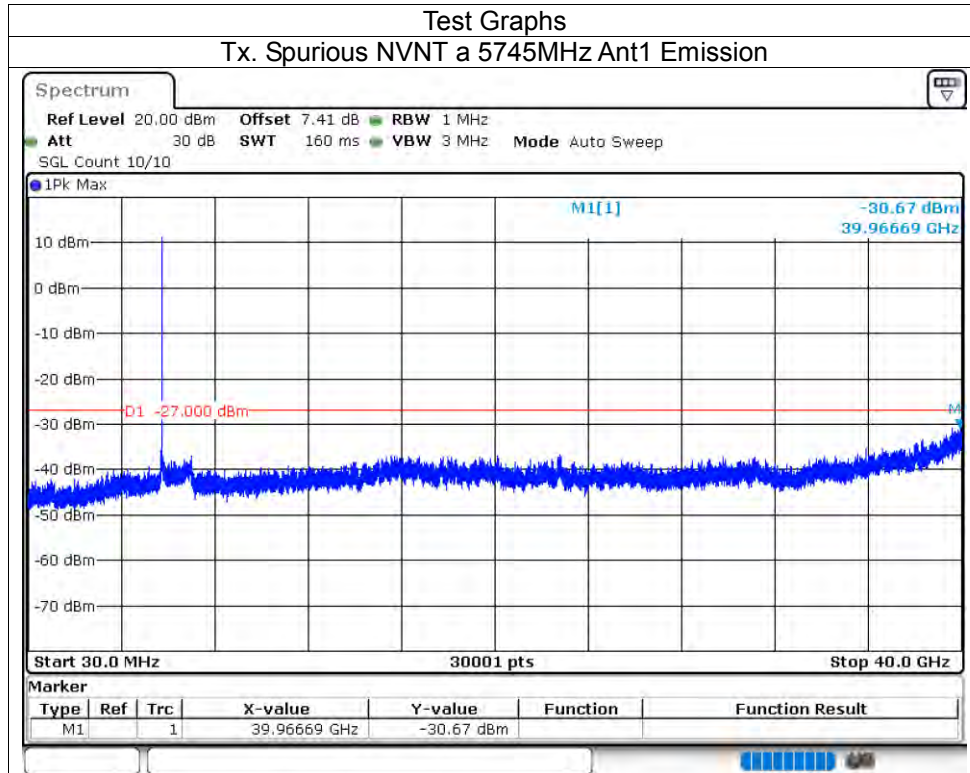




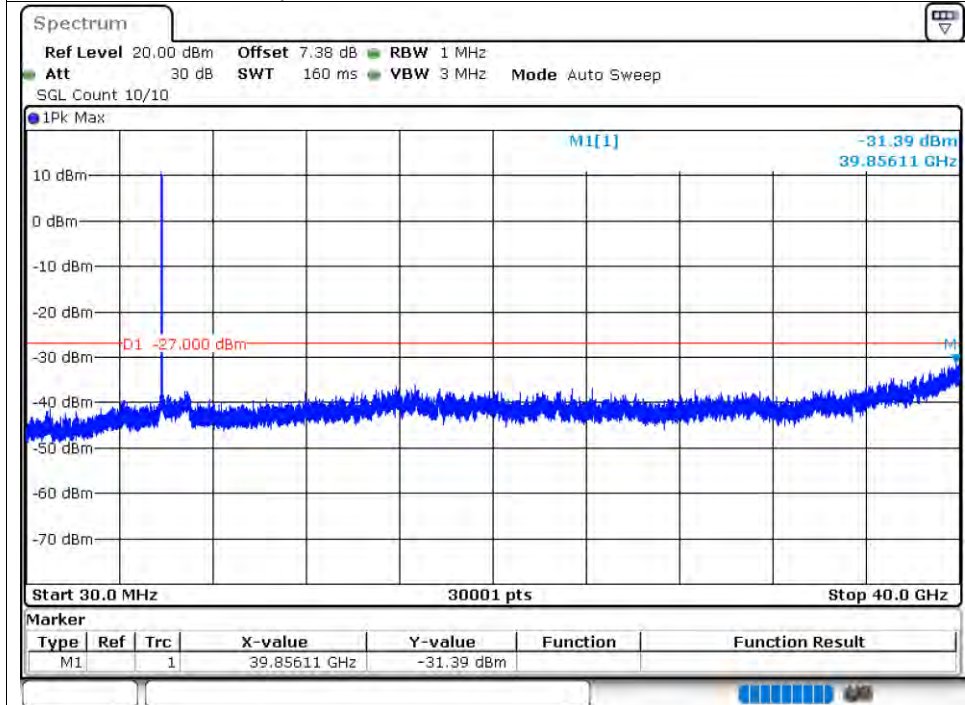
5.6 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-30.67	-27	Pass
NVNT	a	5785	Ant1	-31.44	-27	Pass
NVNT	a	5825	Ant1	-31.39	-27	Pass
NVNT	n20	5745	Ant1	-30.37	-27	Pass
NVNT	n20	5785	Ant1	-31.1	-27	Pass
NVNT	n20	5825	Ant1	-30.77	-27	Pass
NVNT	n40	5755	Ant1	-31.62	-27	Pass
NVNT	n40	5795	Ant1	-31.28	-27	Pass
NVNT	ac20	5745	Ant1	-31.31	-27	Pass
NVNT	ac20	5785	Ant1	-30.19	-27	Pass
NVNT	ac20	5825	Ant1	-30.79	-27	Pass
NVNT	ac40	5755	Ant1	-30.37	-27	Pass
NVNT	ac40	5795	Ant1	-30.71	-27	Pass
NVNT	ac80	5775	Ant1	-30.58	-27	Pass

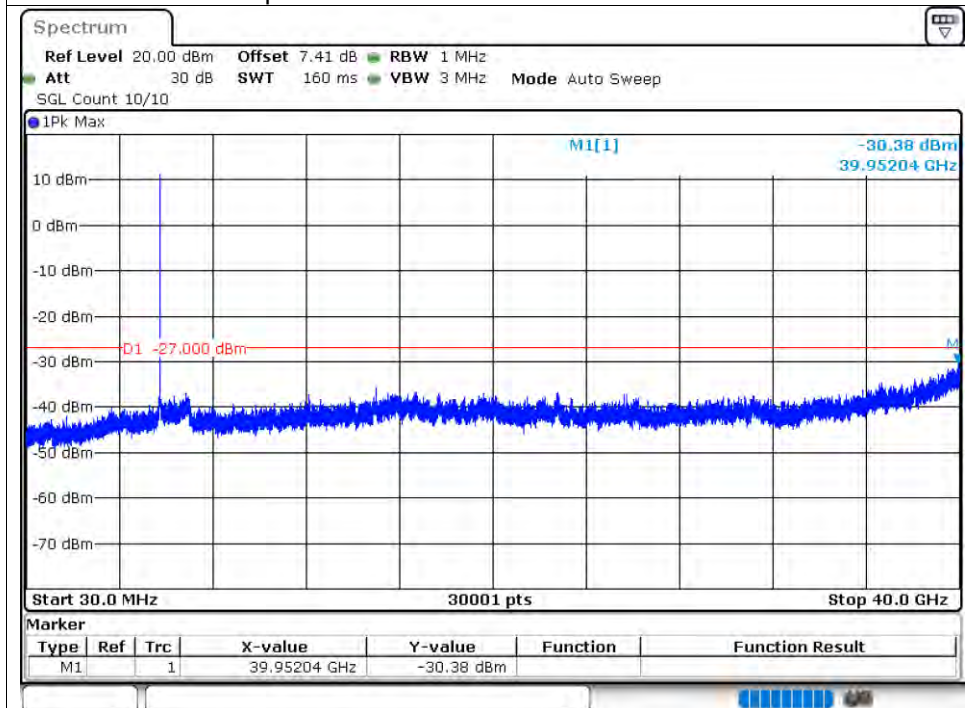
Note: Tested with increased antenna gain.

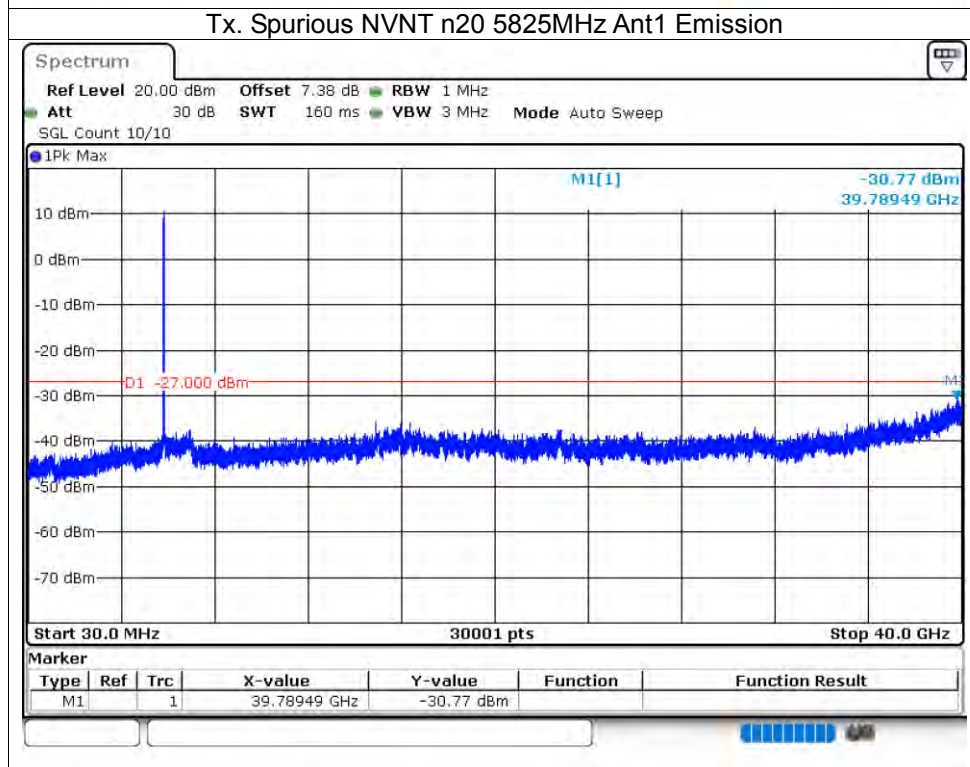
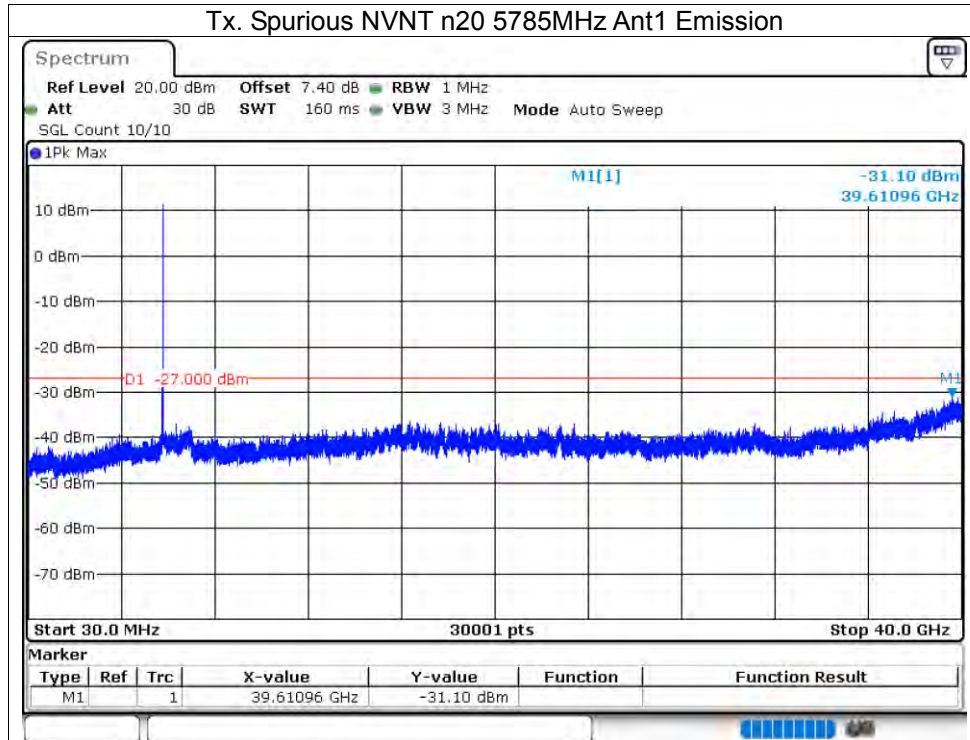


Tx. Spurious NVNT a 5825MHz Ant1 Emission

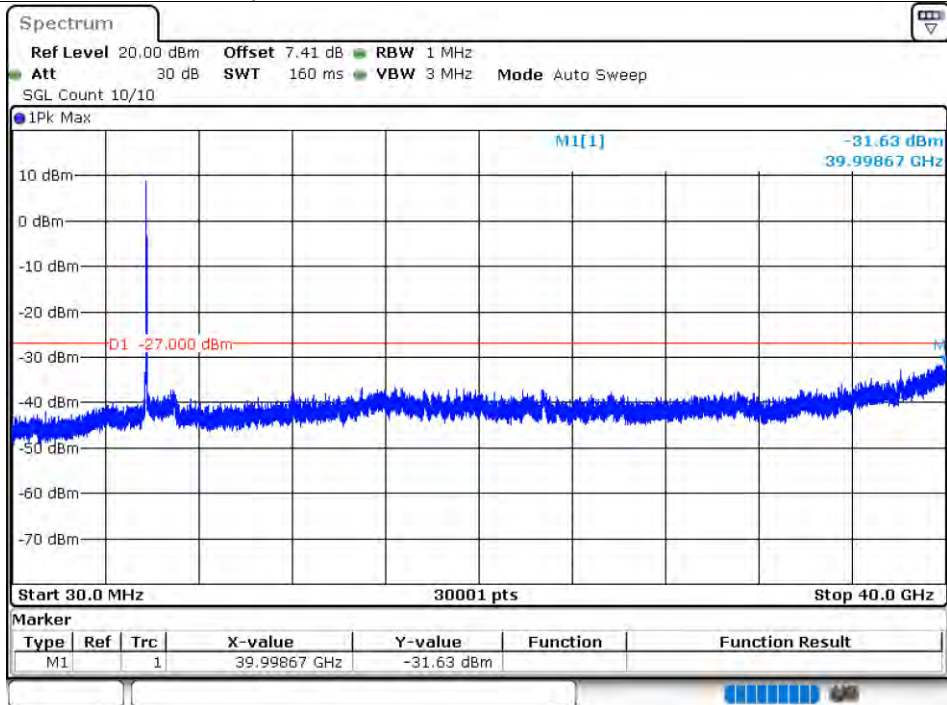


Tx. Spurious NVNT n20 5745MHz Ant1 Emission

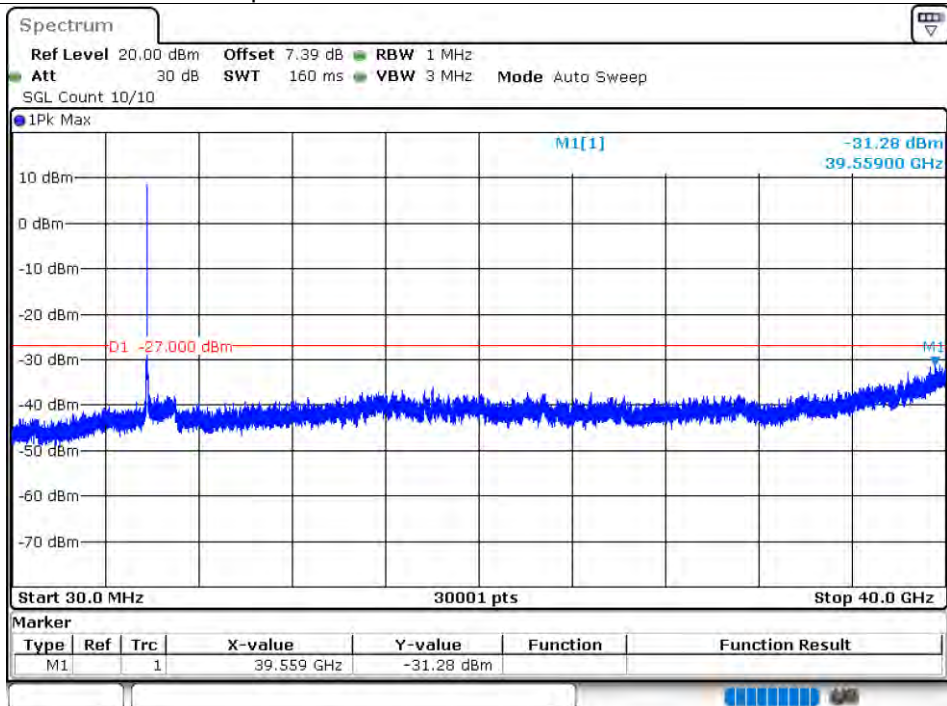


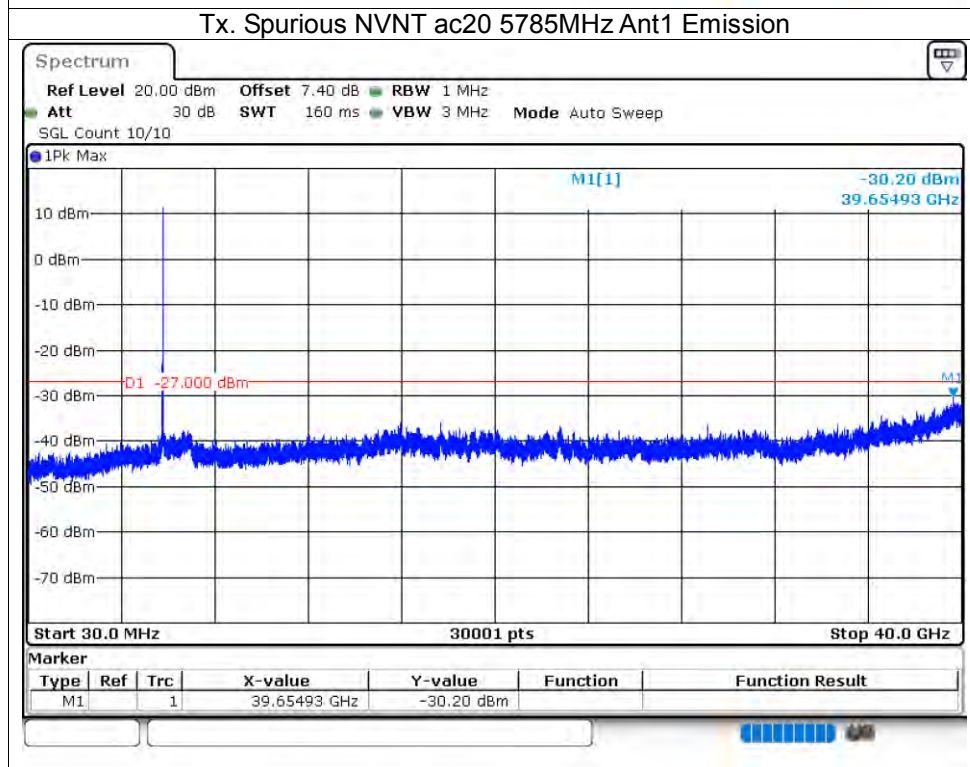
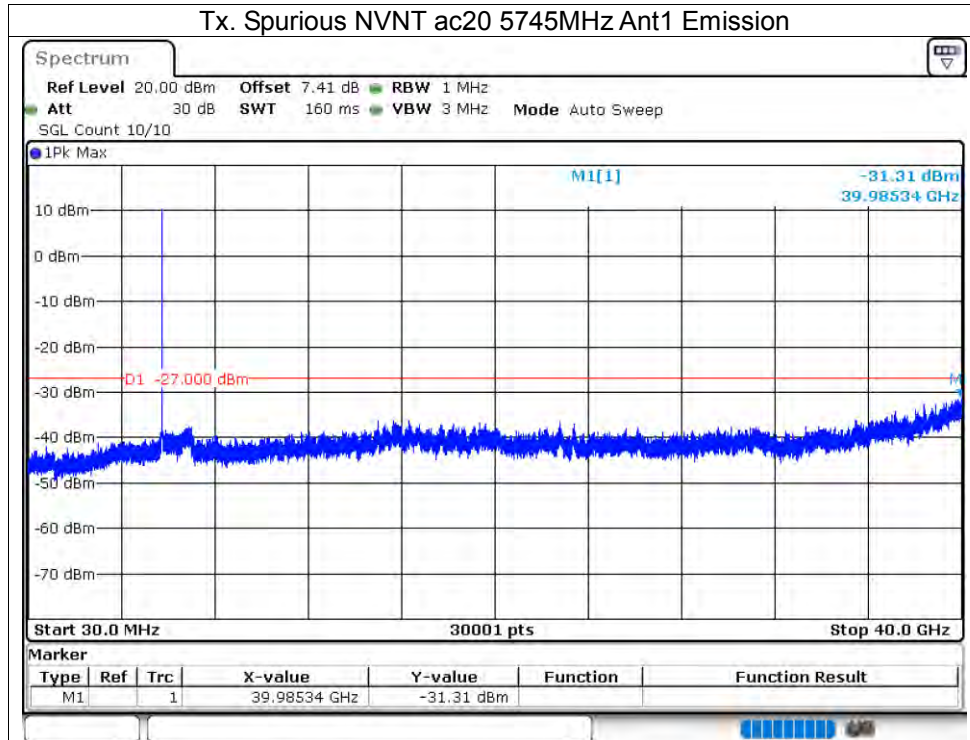


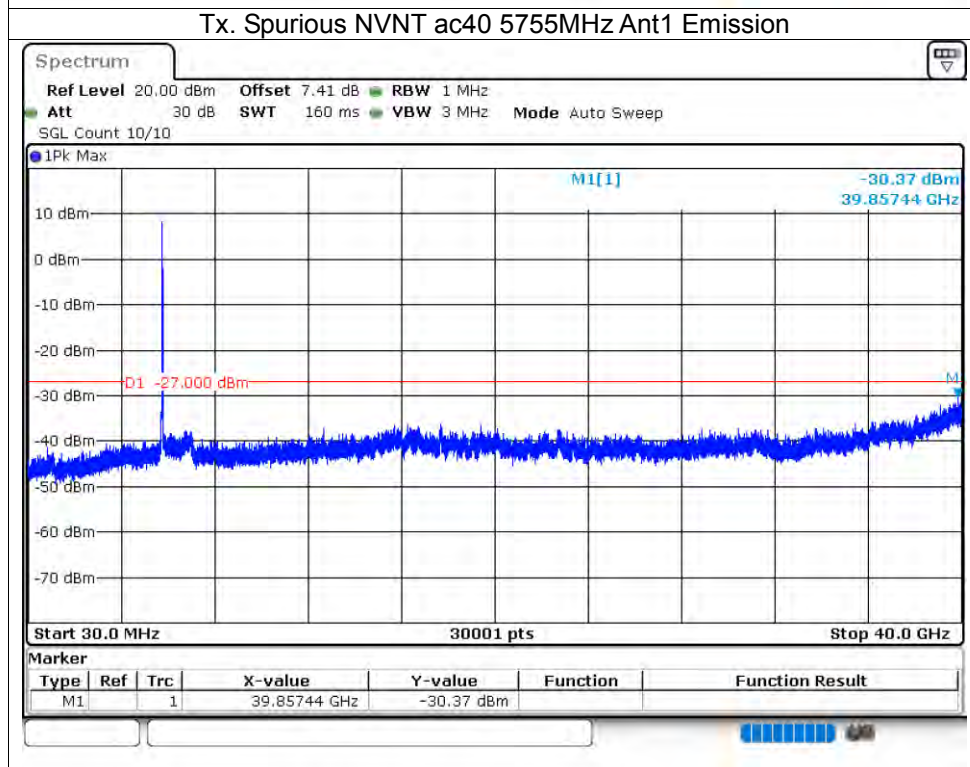
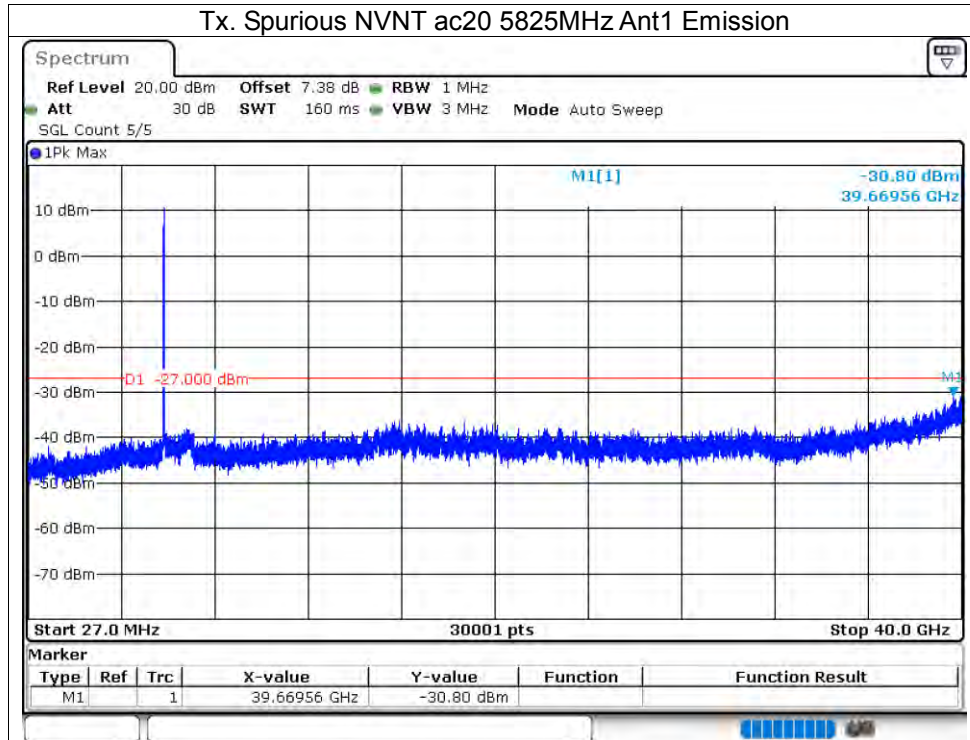
Tx. Spurious NVNT n40 5755MHz Ant1 Emission

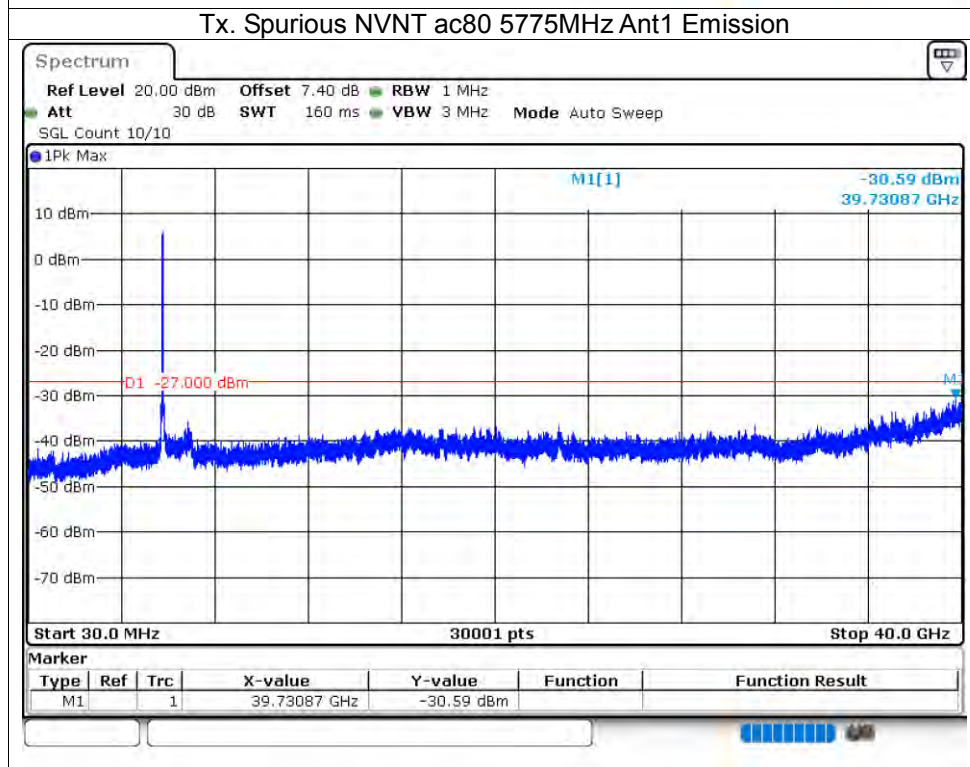
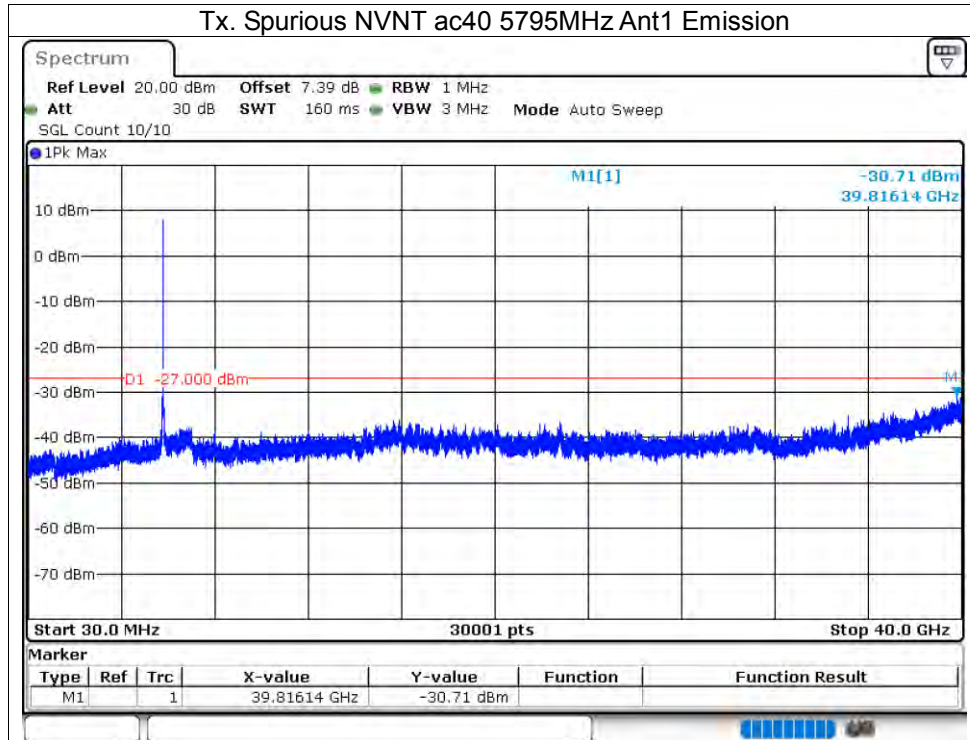


Tx. Spurious NVNT n40 5795MHz Ant1 Emission









END OF REPORT