



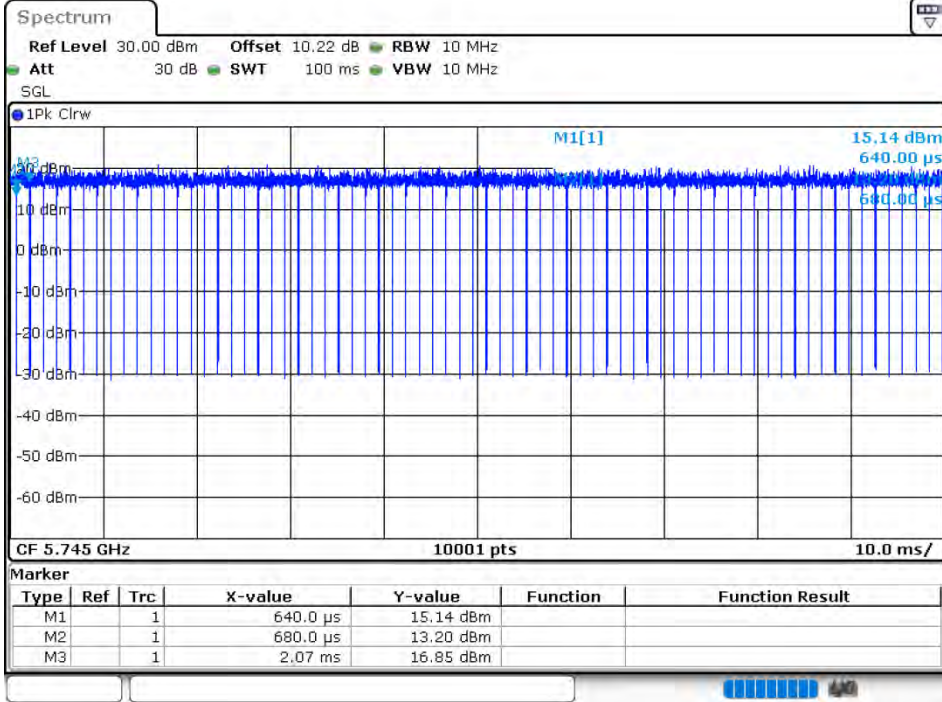
## 5.8G WIFI

### 5.1 DUTY CYCLE

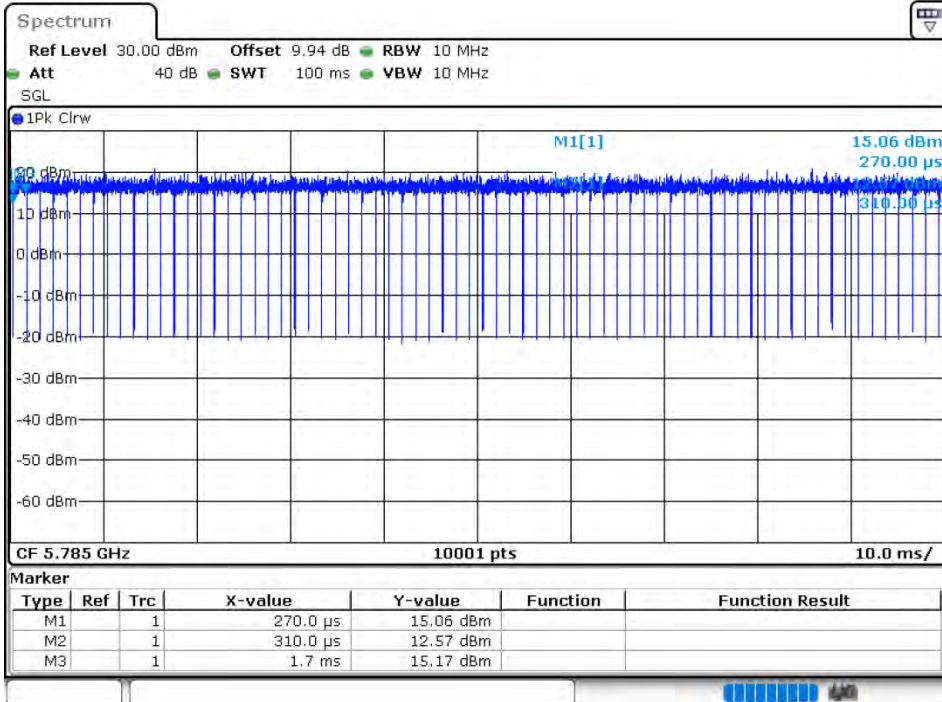
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.62	0.1	0.72
NVNT	a	5785	Ant1	97.6	0.11	0.72
NVNT	a	5825	Ant1	97.72	0.1	0.71
NVNT	n20	5745	Ant1	97.44	0.11	0.77
NVNT	n20	5785	Ant1	97.4	0.11	0.77
NVNT	n20	5825	Ant1	97.54	0.11	0.77
NVNT	n40	5755	Ant1	95.29	0.21	1.54
NVNT	n40	5795	Ant1	95.24	0.21	1.54
NVNT	ac20	5745	Ant1	97.44	0.11	0.76
NVNT	ac20	5785	Ant1	97.46	0.11	0.76
NVNT	ac20	5825	Ant1	97.58	0.11	0.76
NVNT	ac40	5755	Ant1	95.29	0.21	1.54
NVNT	ac40	5795	Ant1	95.28	0.21	1.52
NVNT	ac80	5775	Ant1	90.7	0.42	3.13

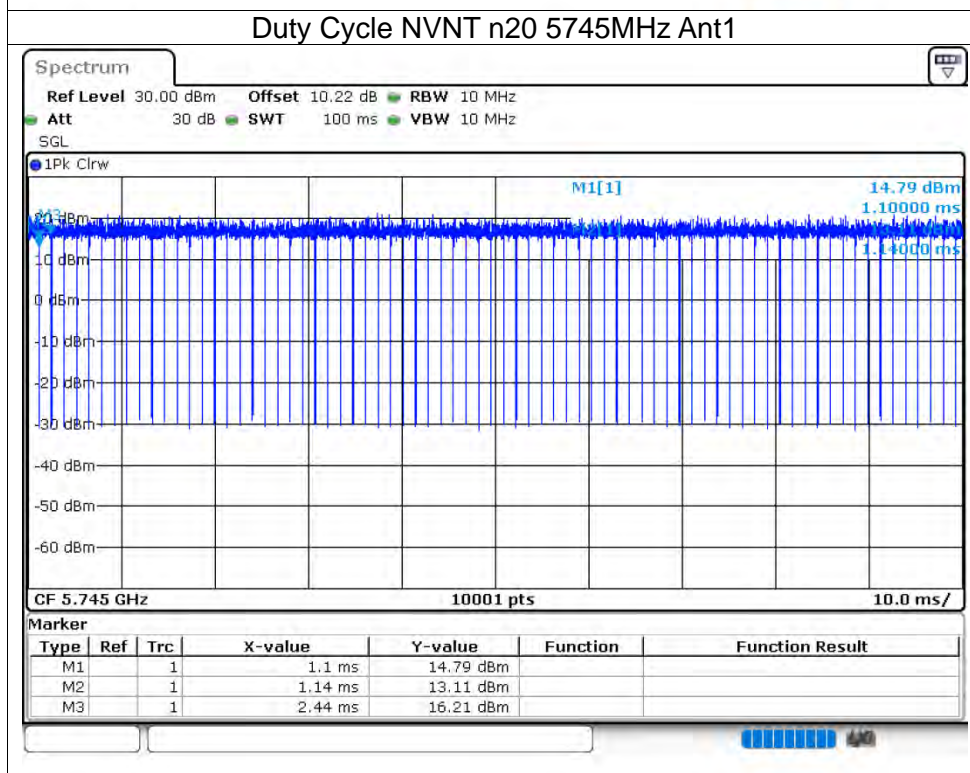
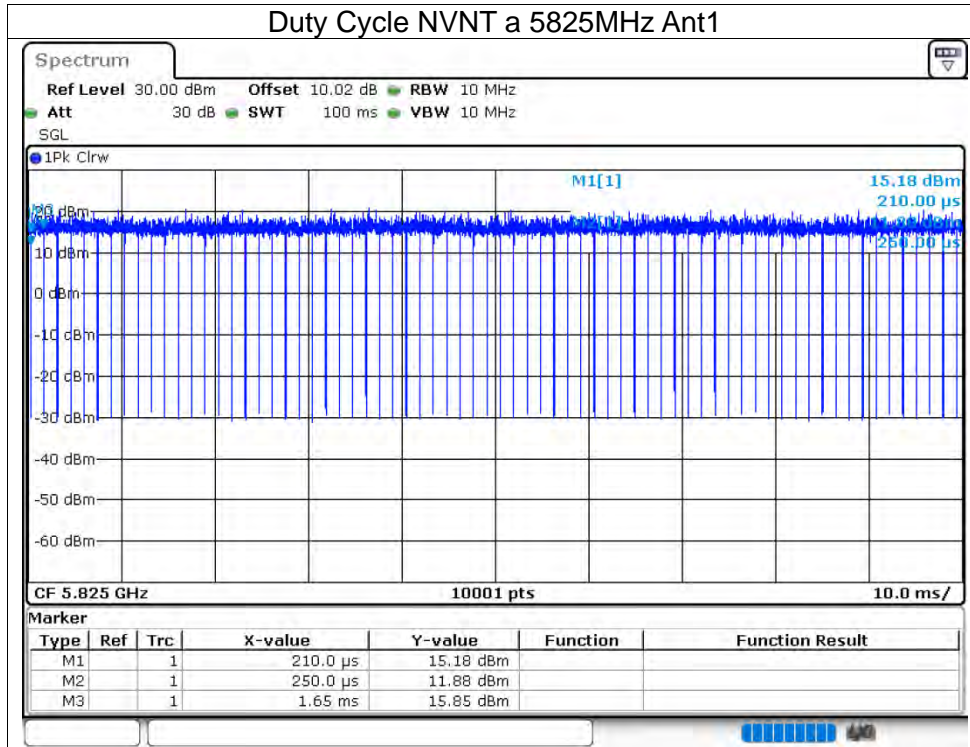
Test Graphs

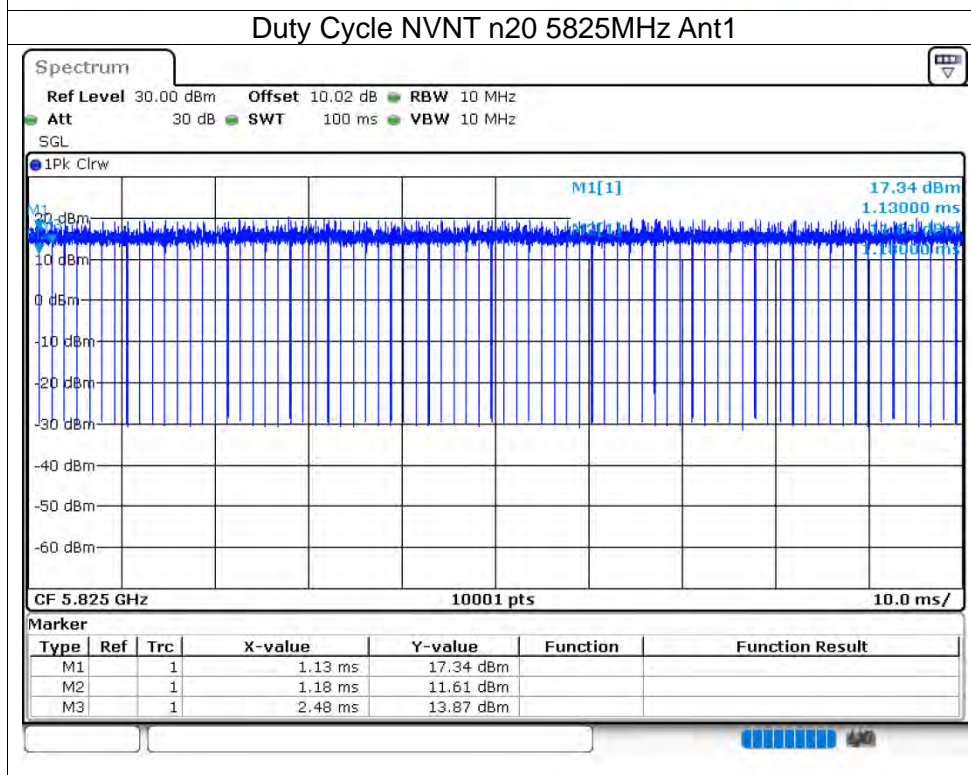
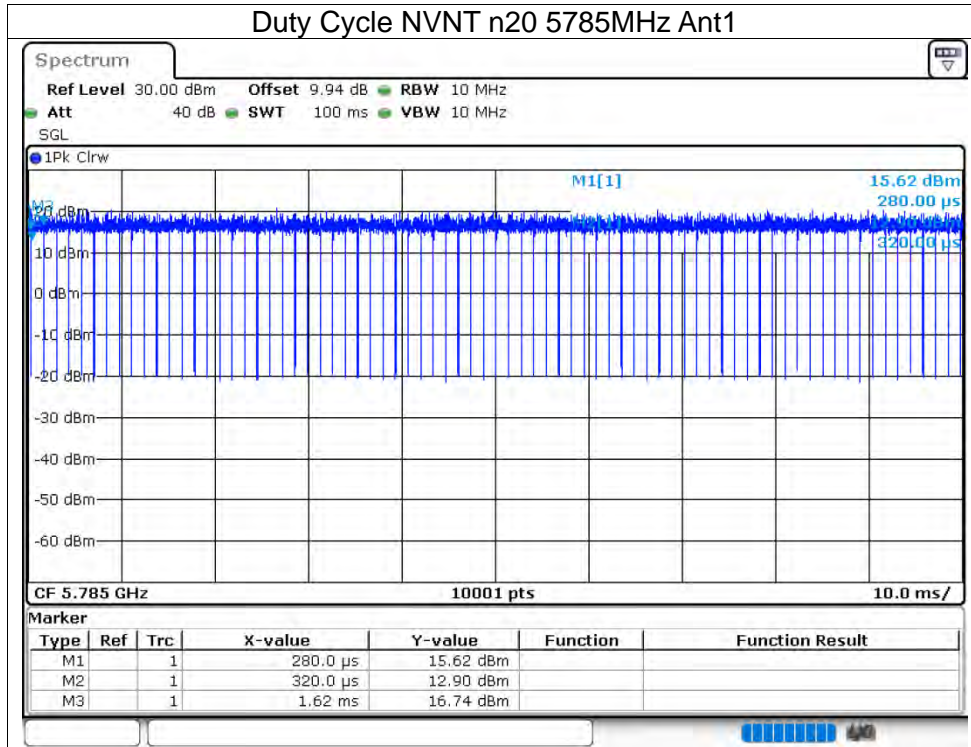
Duty Cycle NVNT a 5745MHz Ant1



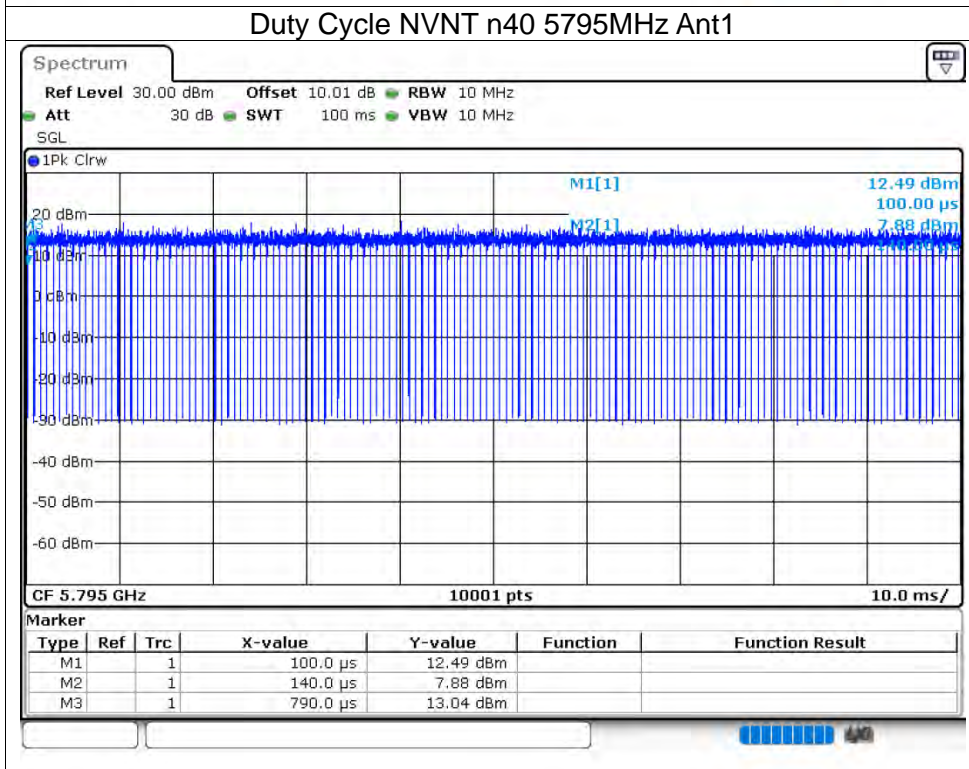
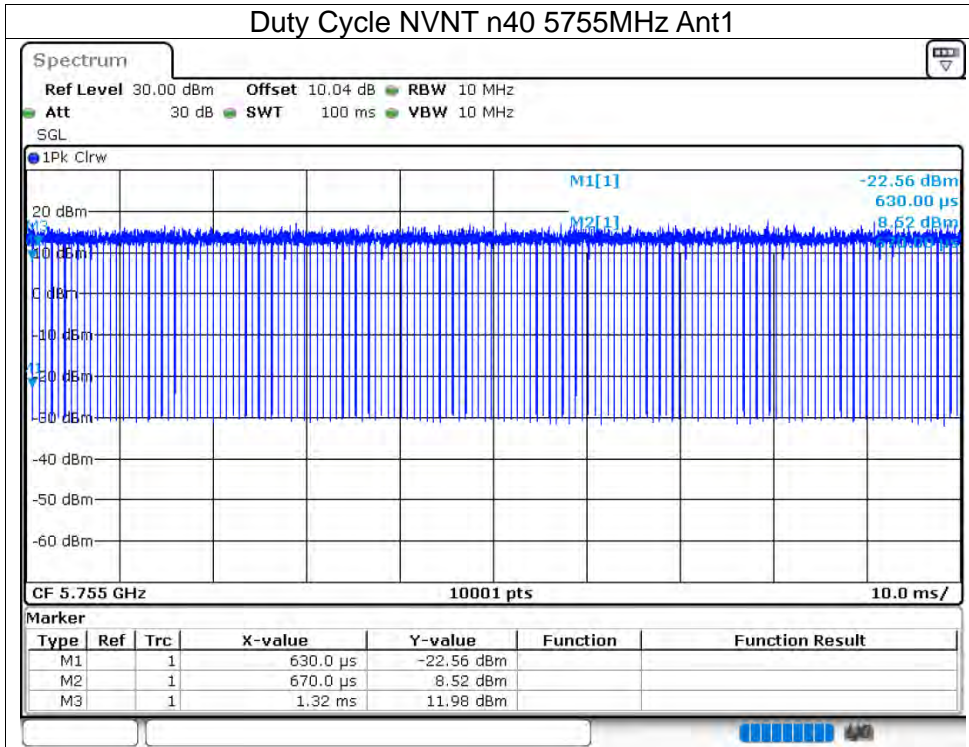
Duty Cycle NVNT a 5785MHz Ant1

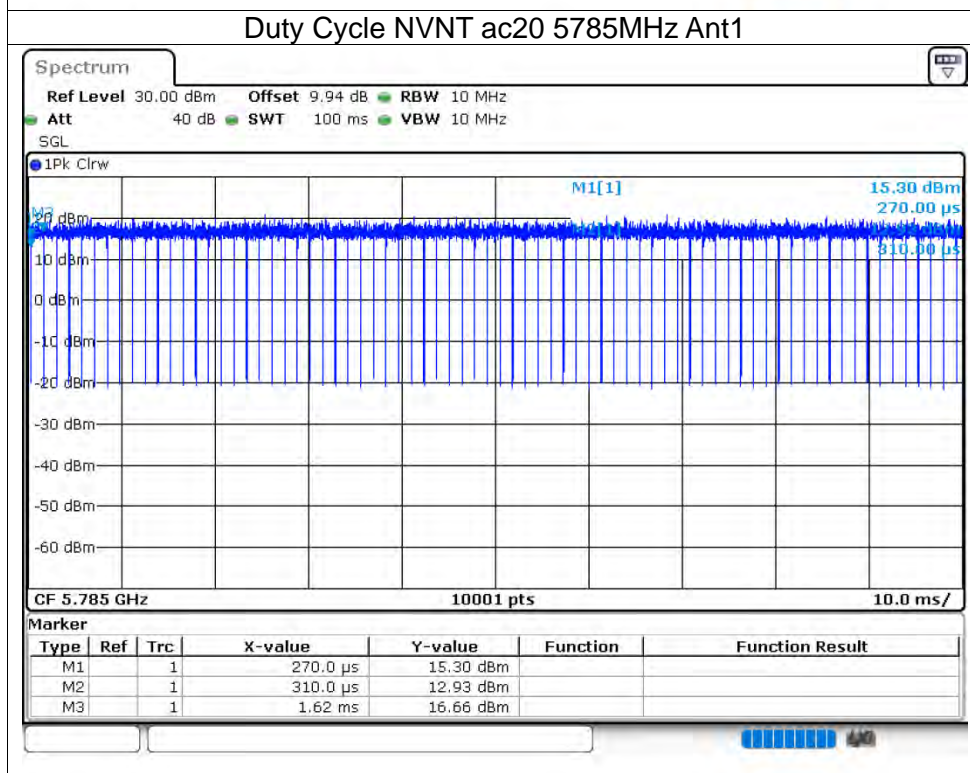
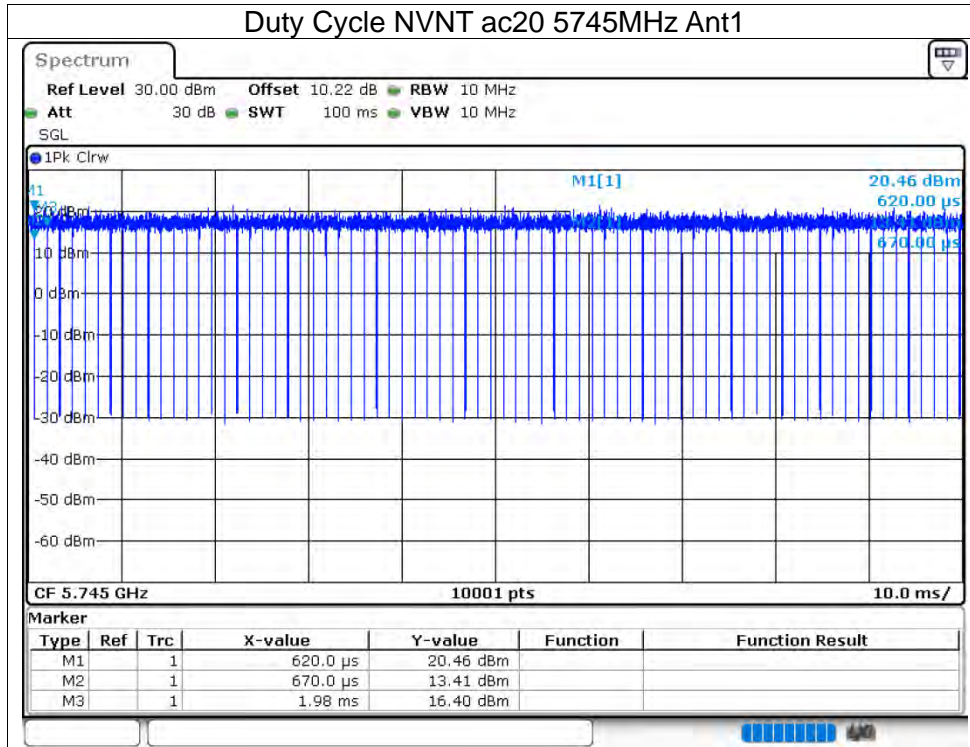
















## 5.2 MAXIMUM CONDUCTED OUTPUT POWER

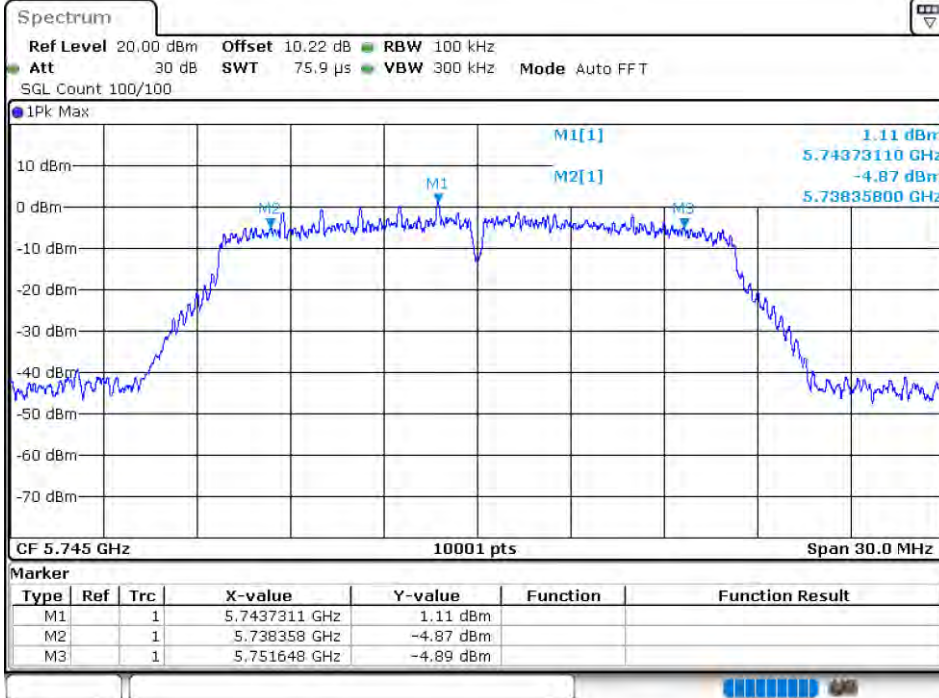
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.82	0.1	9.92	30	Pass
NVNT	a	5785	Ant1	9.69	0.11	9.8	30	Pass
NVNT	a	5825	Ant1	9.31	0.1	9.41	30	Pass
NVNT	n20	5745	Ant1	9.87	0.11	9.98	30	Pass
NVNT	n20	5785	Ant1	9.85	0.11	9.96	30	Pass
NVNT	n20	5825	Ant1	9.09	0.11	9.2	30	Pass
NVNT	n40	5755	Ant1	9.42	0.21	9.63	30	Pass
NVNT	n40	5795	Ant1	9.27	0.21	9.48	30	Pass
NVNT	ac20	5745	Ant1	9.91	0.11	10.02	30	Pass
NVNT	ac20	5785	Ant1	9.89	0.11	10	30	Pass
NVNT	ac20	5825	Ant1	9.15	0.11	9.26	30	Pass
NVNT	ac40	5755	Ant1	9.18	0.21	9.39	30	Pass
NVNT	ac40	5795	Ant1	9.59	0.21	9.8	30	Pass
NVNT	ac80	5775	Ant1	9.38	0.42	9.8	30	Pass

### 5.3 -6DB BANDWIDTH

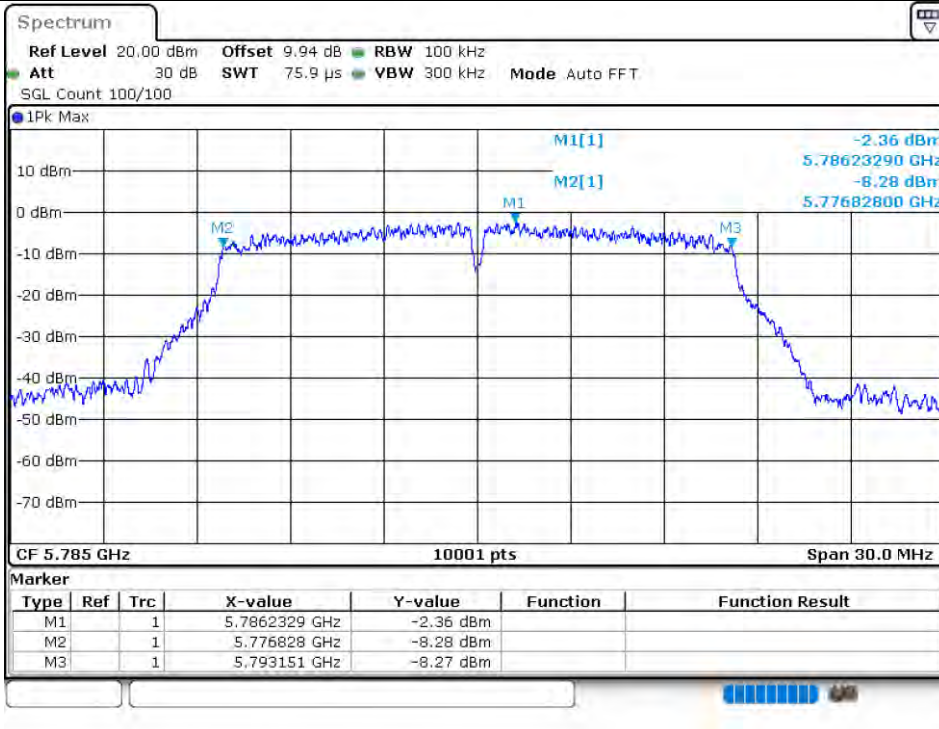
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	13.29	0.5	Pass
NVNT	a	5785	Ant1	16.323	0.5	Pass
NVNT	a	5825	Ant1	14.037	0.5	Pass
NVNT	n20	5745	Ant1	13.152	0.5	Pass
NVNT	n20	5785	Ant1	17.55	0.5	Pass
NVNT	n20	5825	Ant1	13.38	0.5	Pass
NVNT	n40	5755	Ant1	30.942	0.5	Pass
NVNT	n40	5795	Ant1	35.088	0.5	Pass
NVNT	ac20	5745	Ant1	17.553	0.5	Pass
NVNT	ac20	5785	Ant1	14.427	0.5	Pass
NVNT	ac20	5825	Ant1	17.565	0.5	Pass
NVNT	ac40	5755	Ant1	35.046	0.5	Pass
NVNT	ac40	5795	Ant1	35.07	0.5	Pass
NVNT	ac80	5775	Ant1	75.06	0.5	Pass

Test Graphs

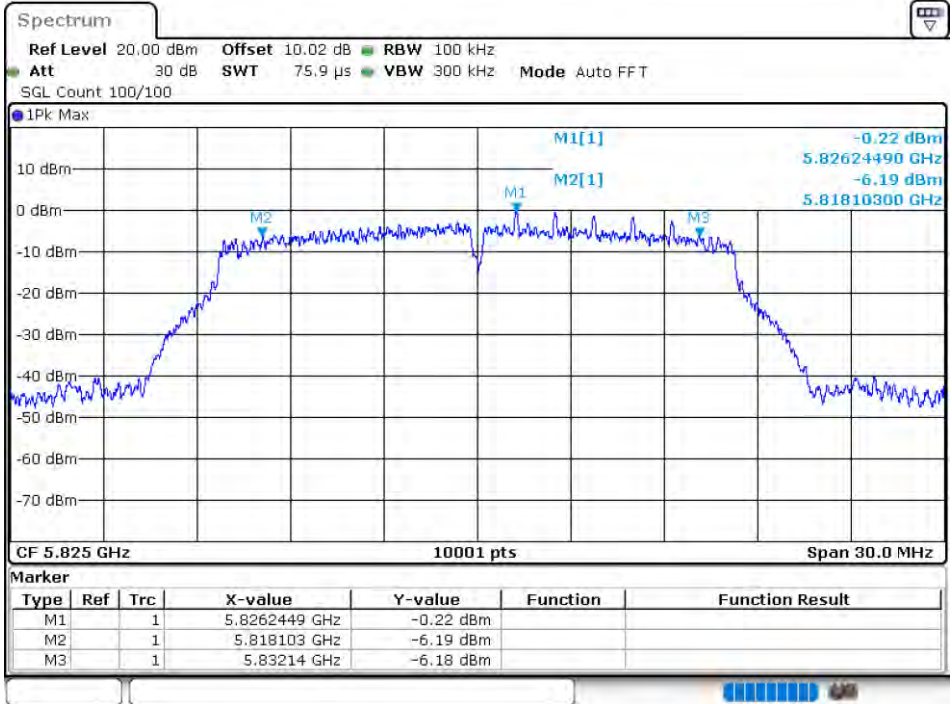
-6dB Bandwidth NVNT a 5745MHz Ant1



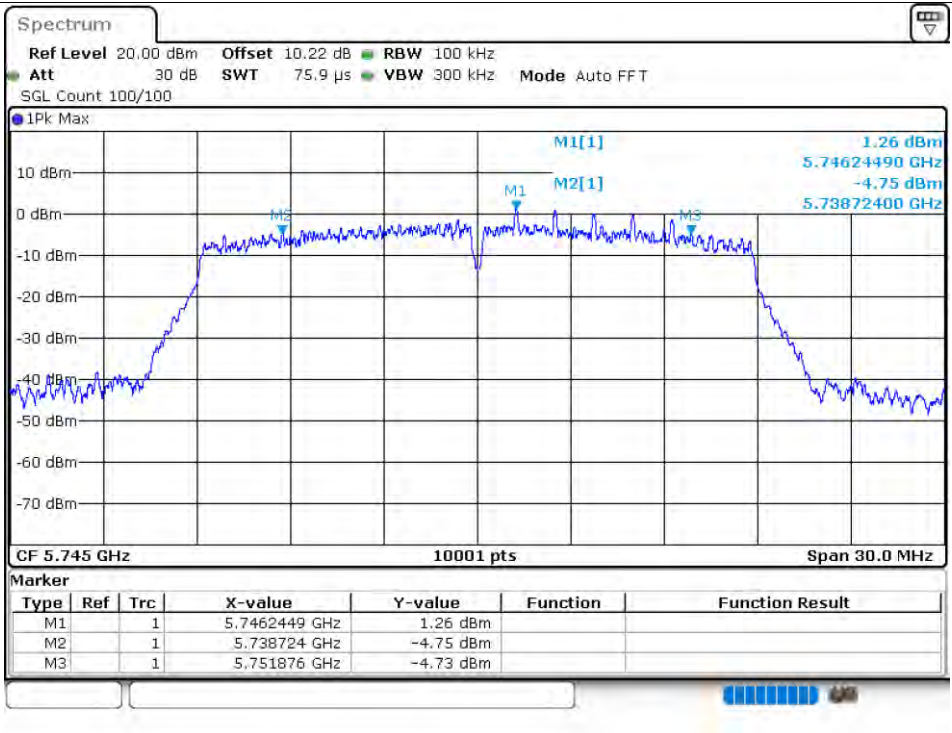
-6dB Bandwidth NVNT a 5785MHz Ant1



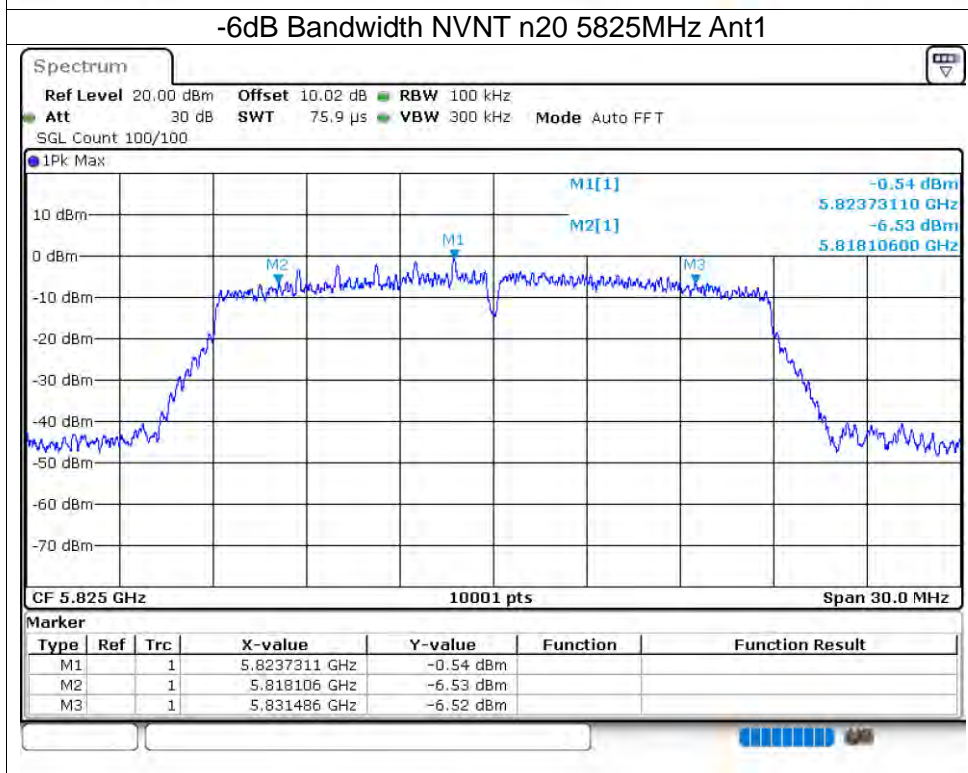
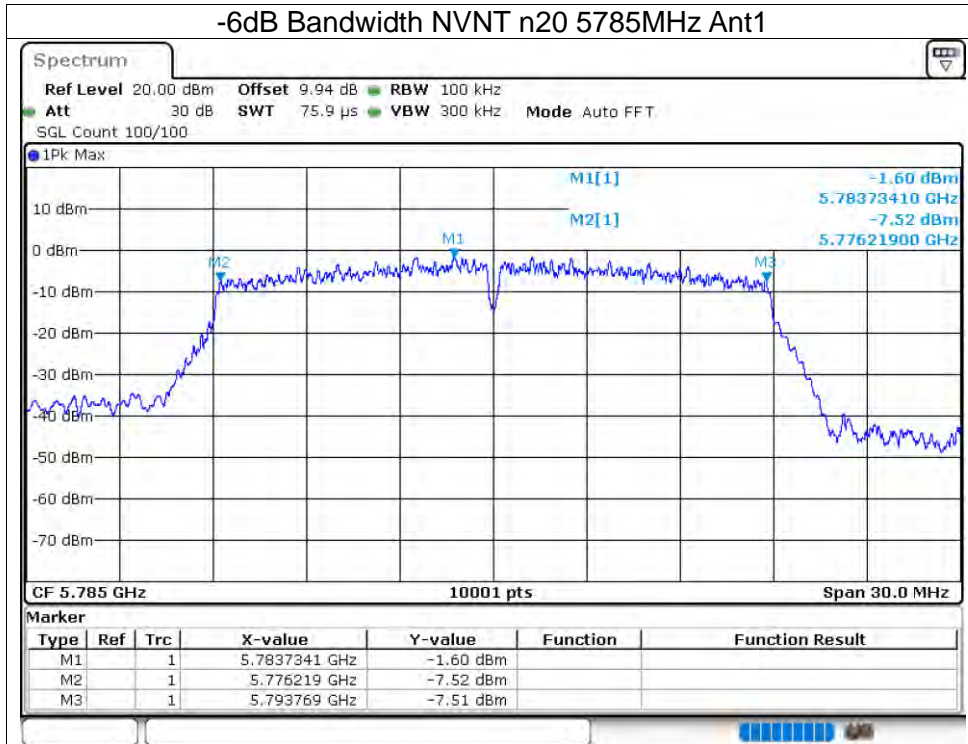
-6dB Bandwidth NVNT a 5825MHz Ant1

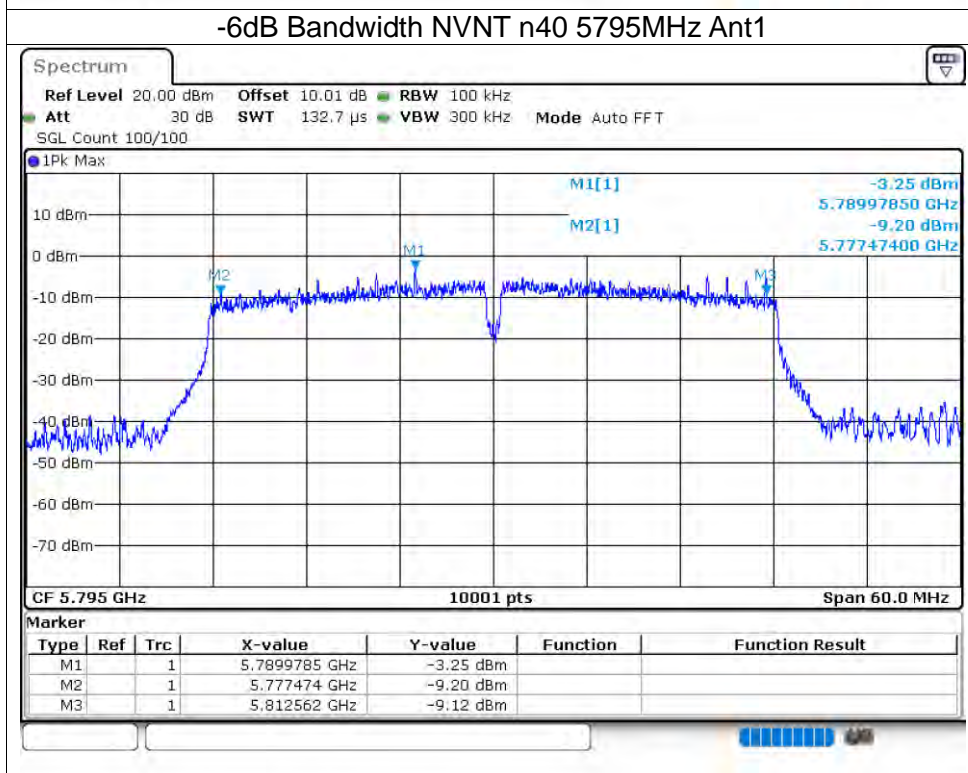
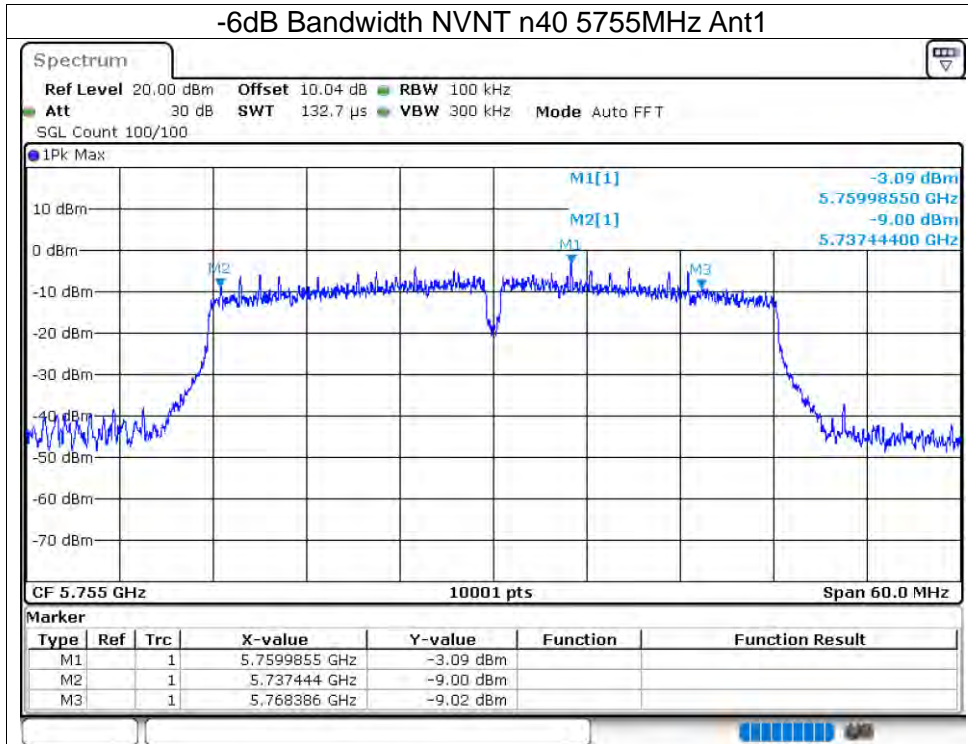


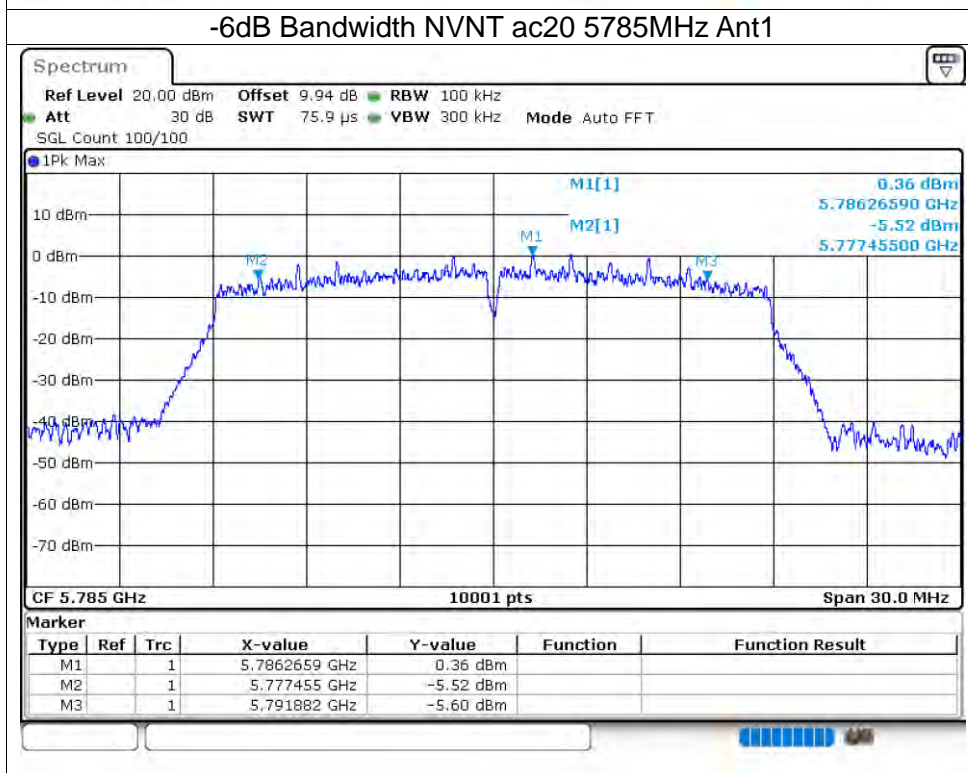
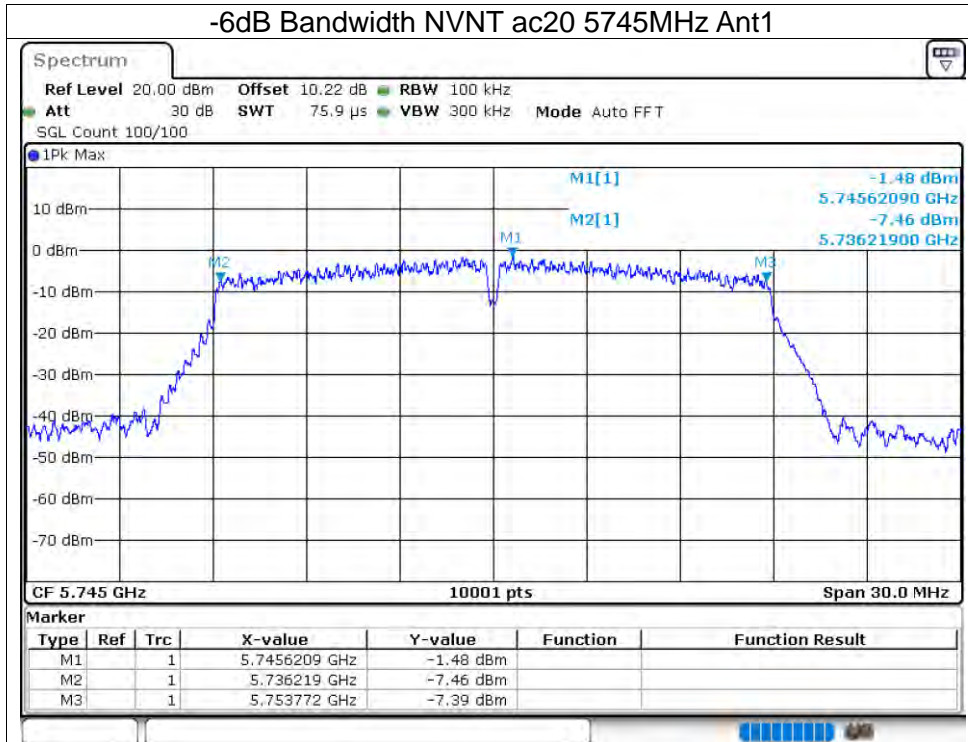
-6dB Bandwidth NVNT n20 5745MHz Ant1

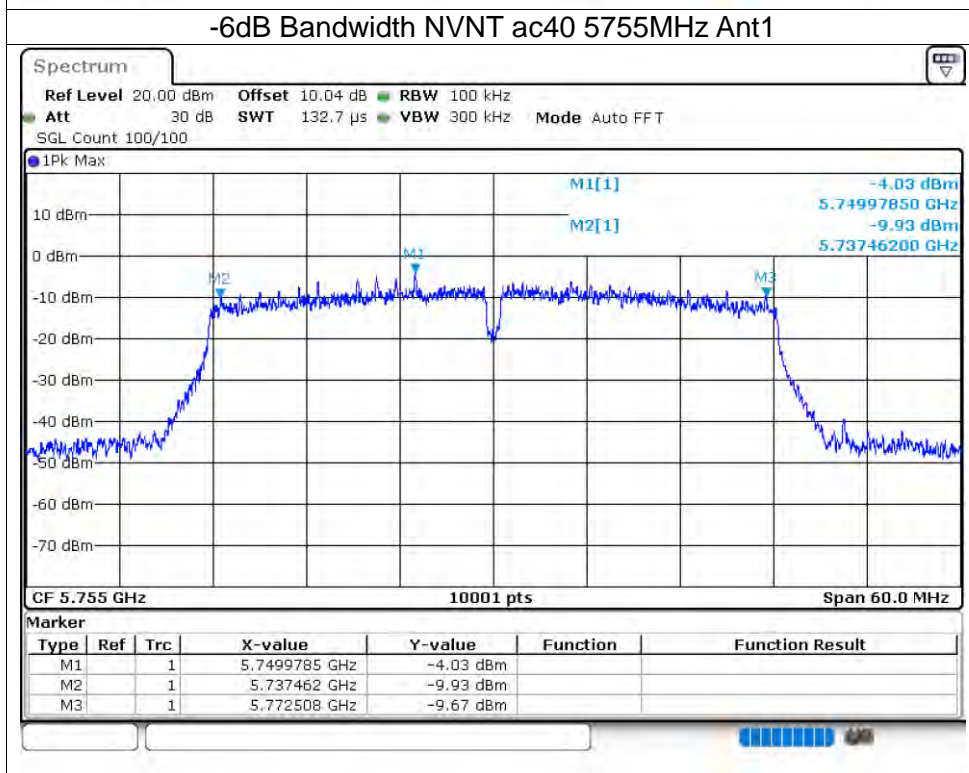
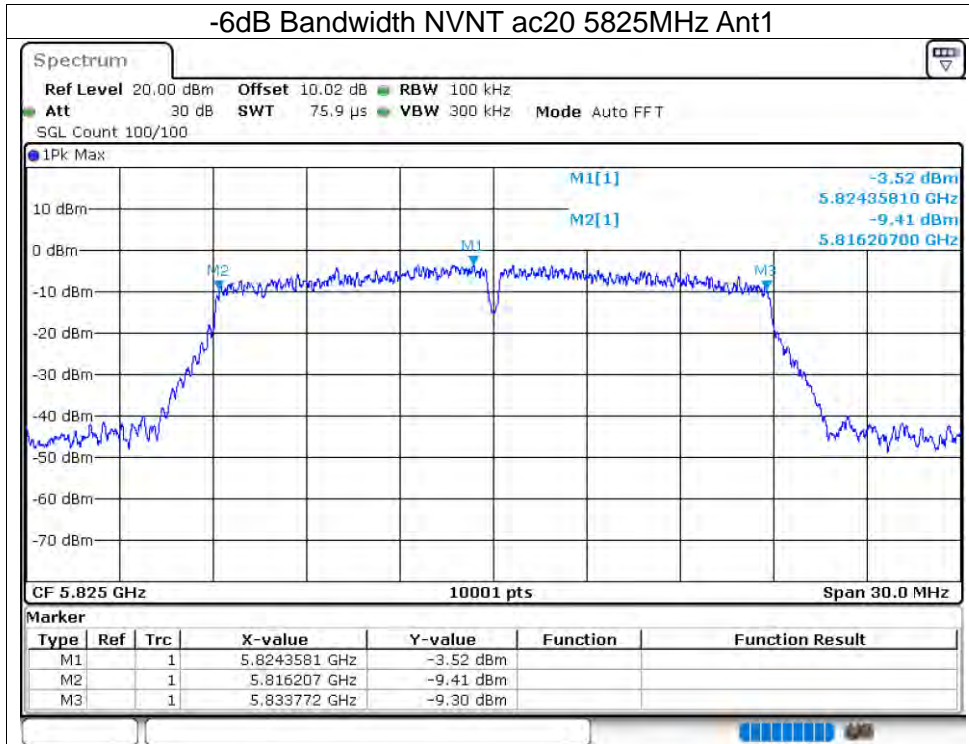


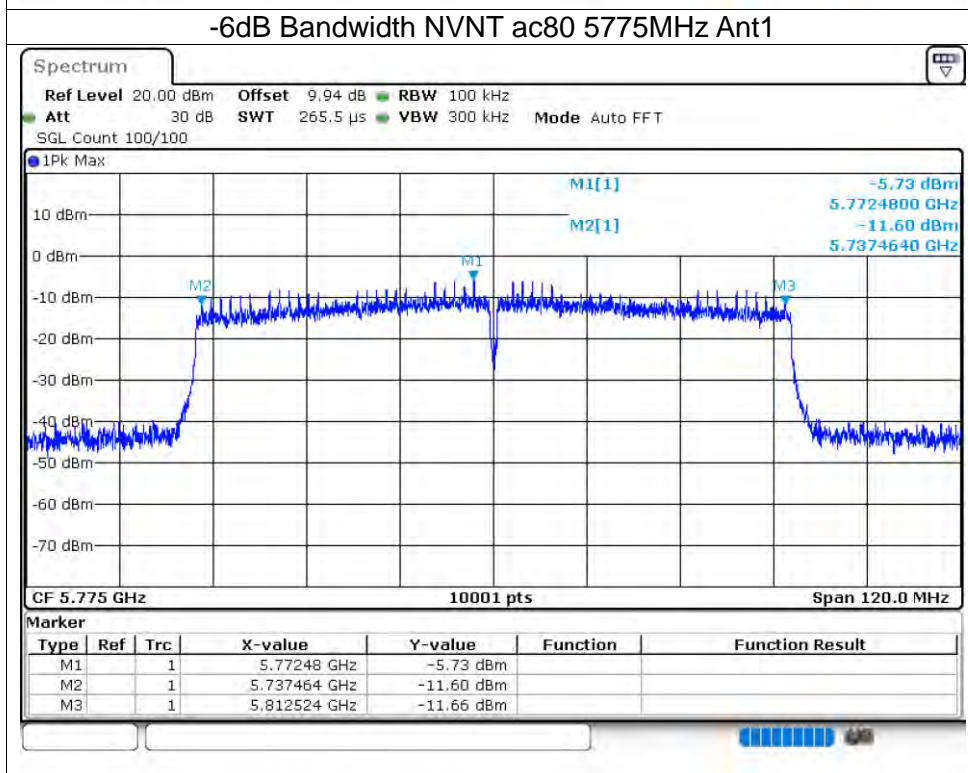
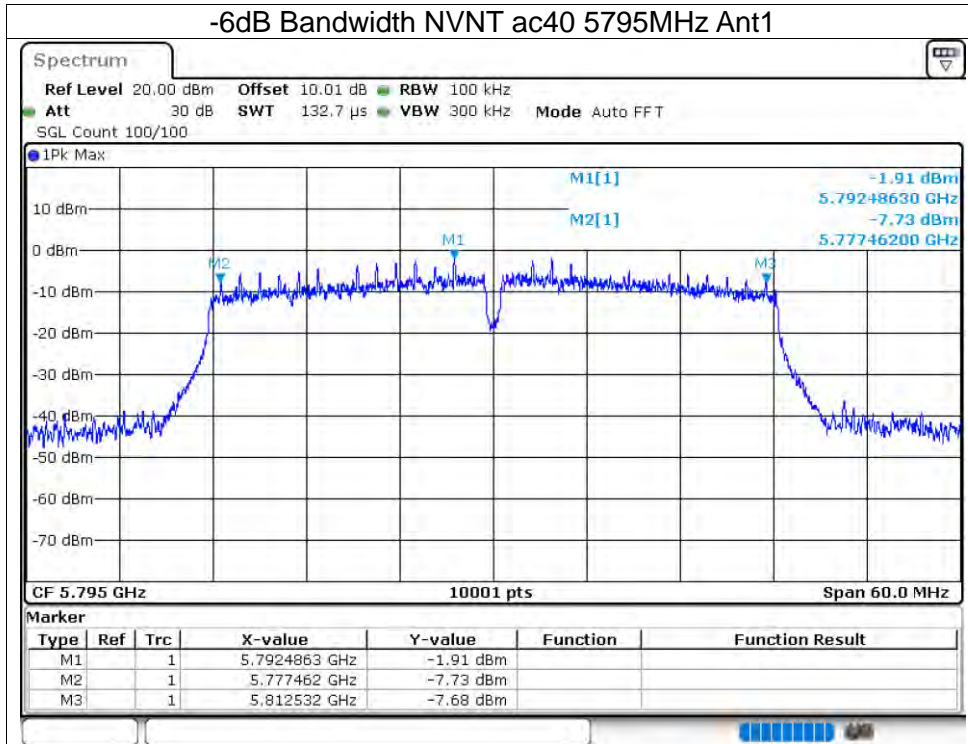






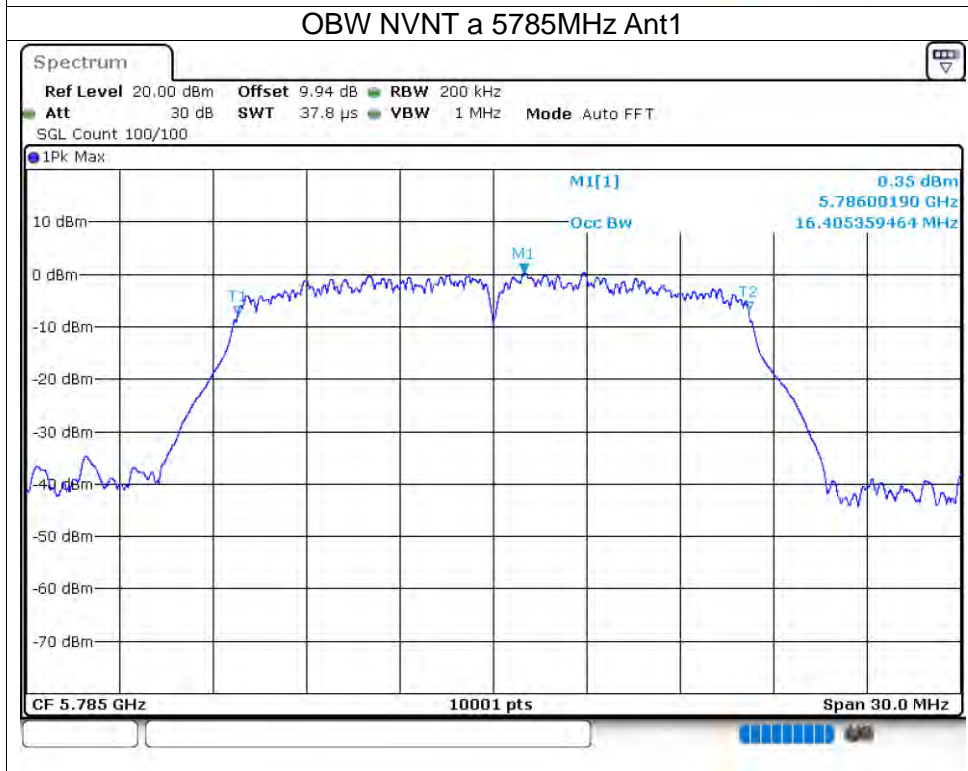
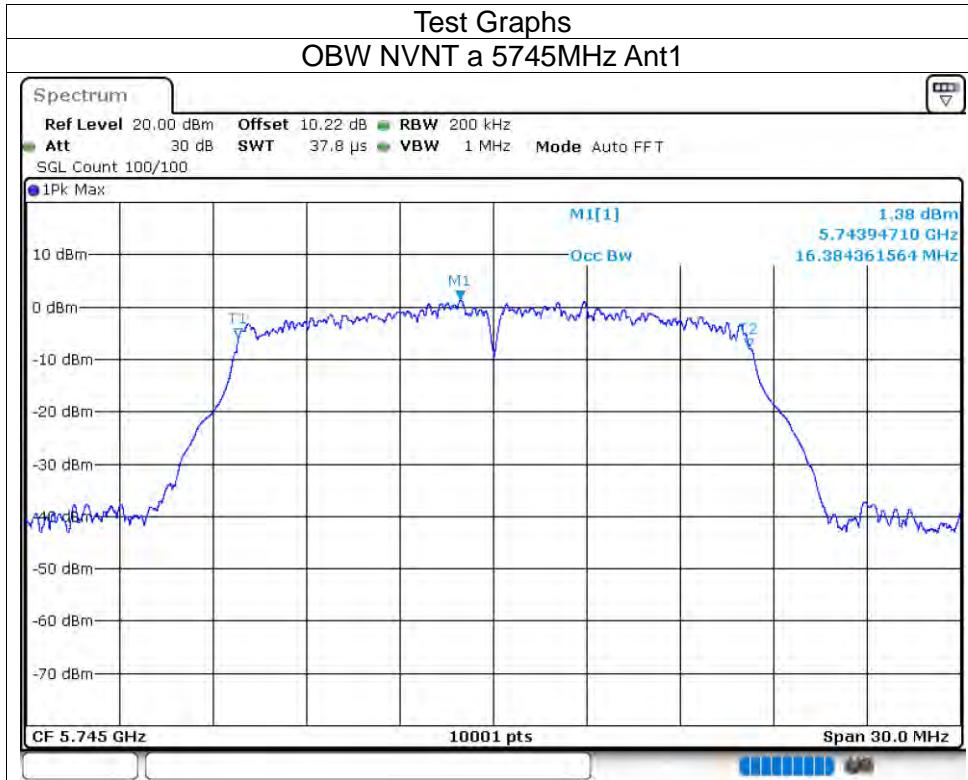


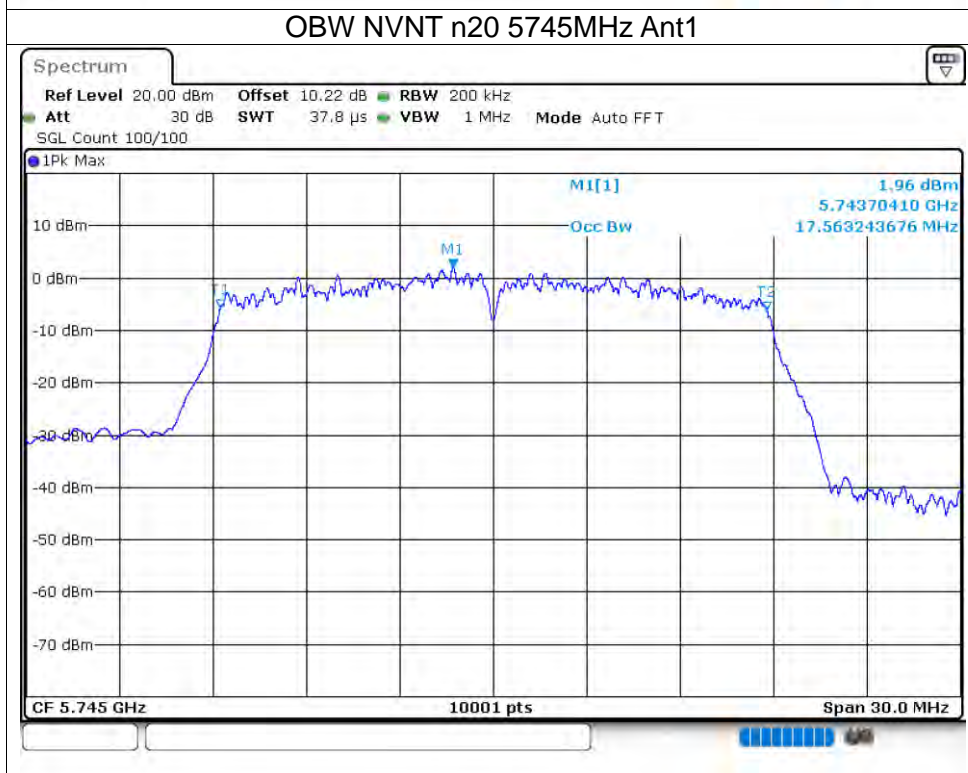
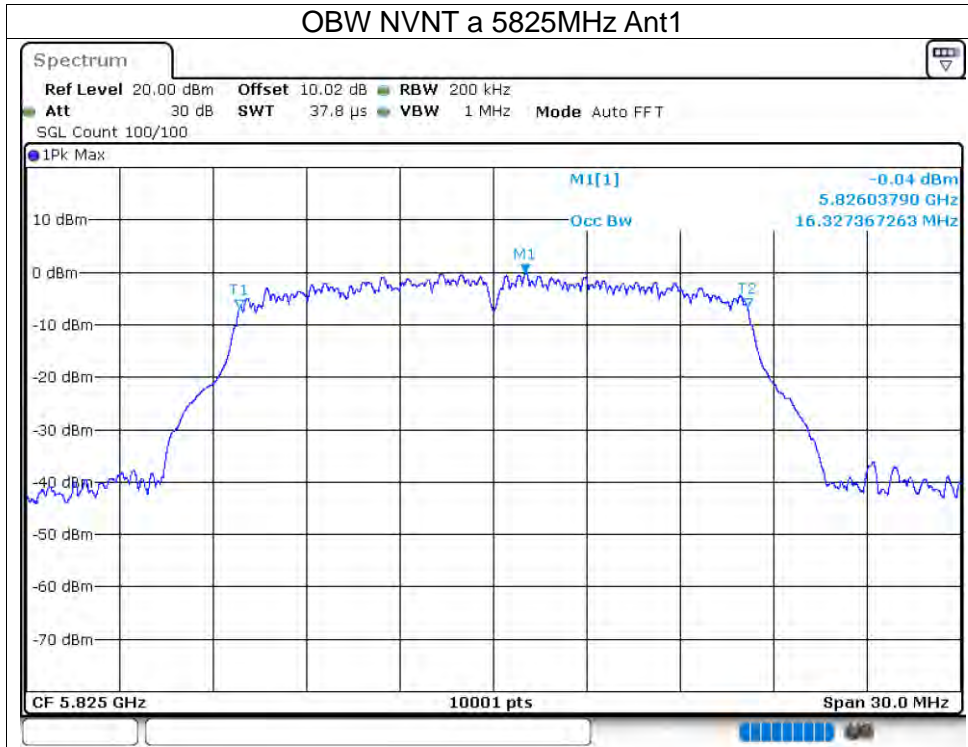




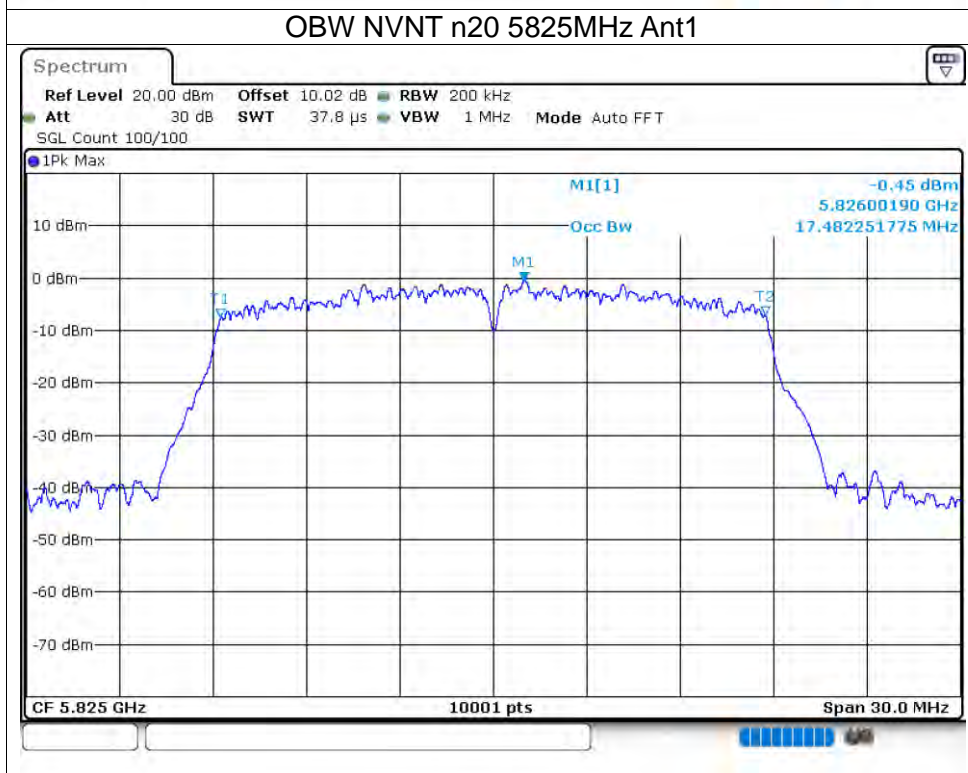
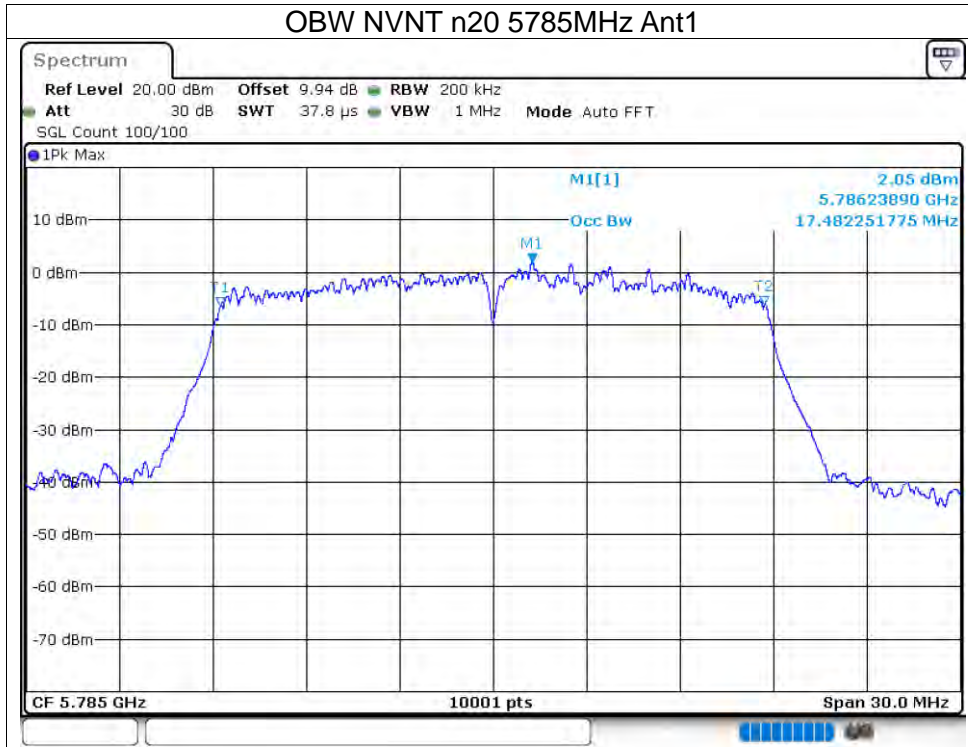
## 5.4 OCCUPIED CHANNEL BANDWIDTH

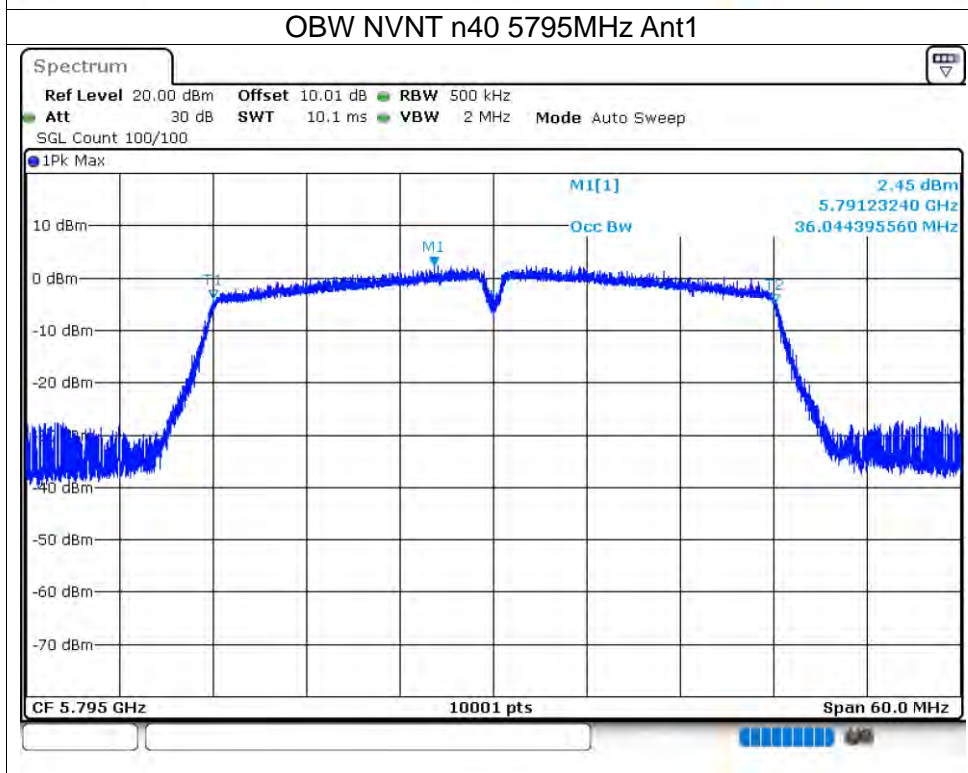
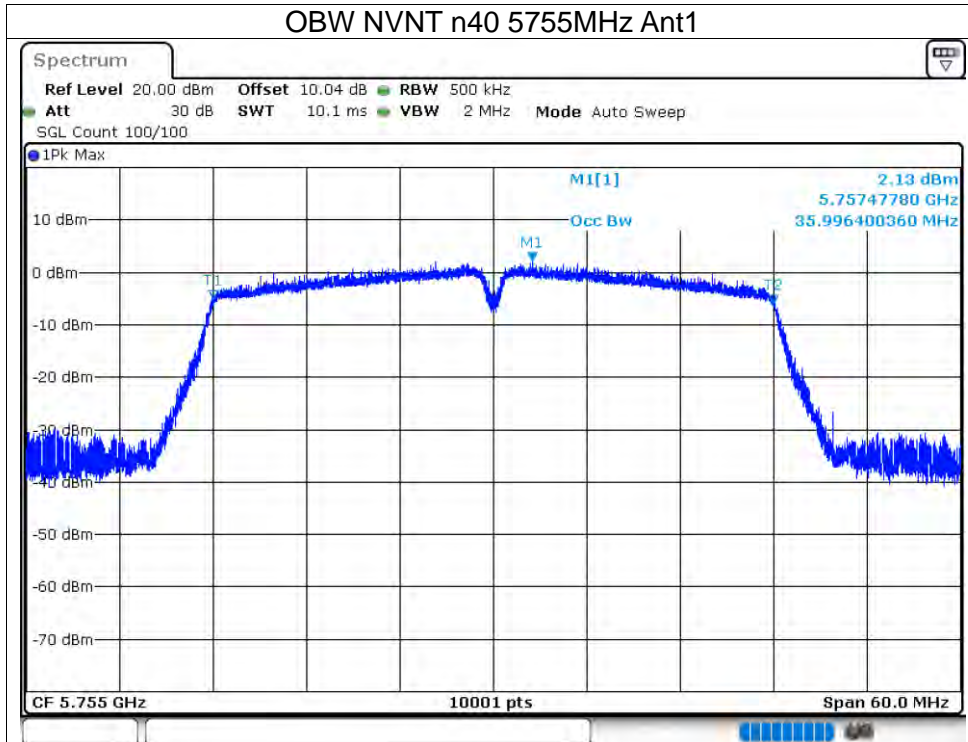
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.384
NVNT	a	5785	Ant1	16.405
NVNT	a	5825	Ant1	16.327
NVNT	n20	5745	Ant1	17.563
NVNT	n20	5785	Ant1	17.482
NVNT	n20	5825	Ant1	17.482
NVNT	n40	5755	Ant1	35.996
NVNT	n40	5795	Ant1	36.044
NVNT	ac20	5745	Ant1	17.533
NVNT	ac20	5785	Ant1	17.602
NVNT	ac20	5825	Ant1	17.563
NVNT	ac40	5755	Ant1	35.984
NVNT	ac40	5795	Ant1	36.02
NVNT	ac80	5775	Ant1	75.268

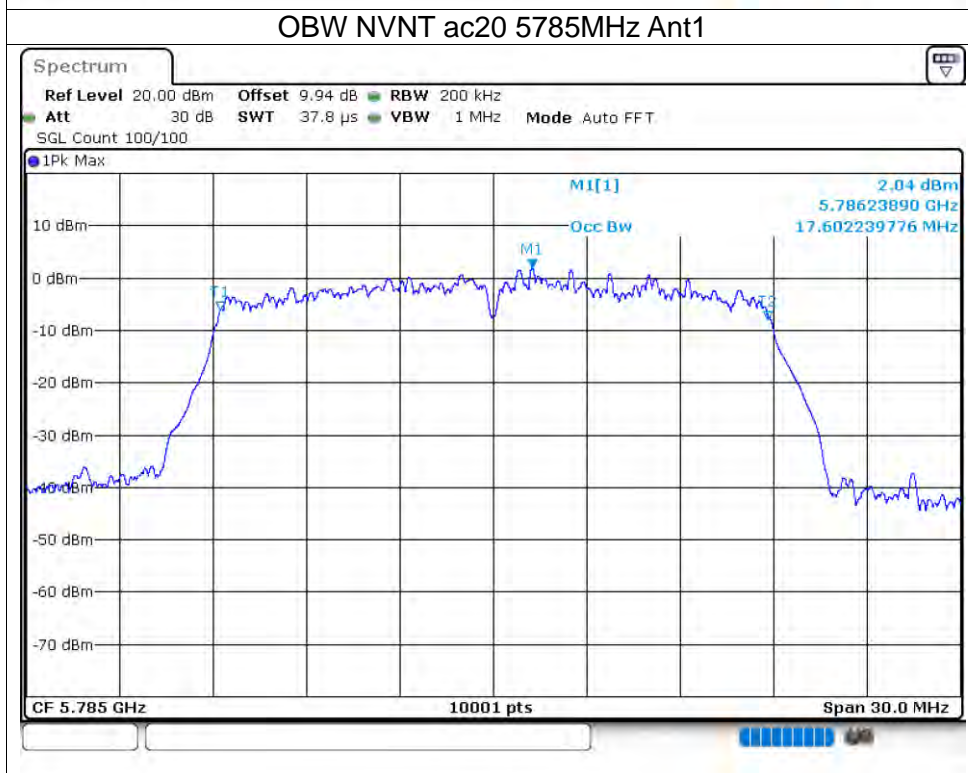
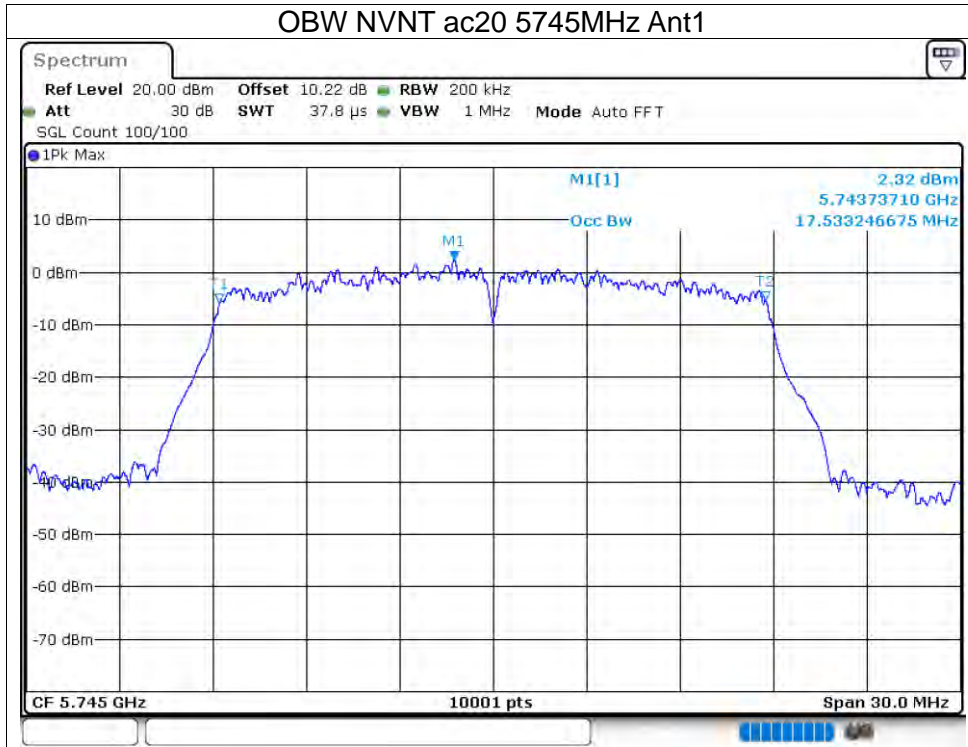


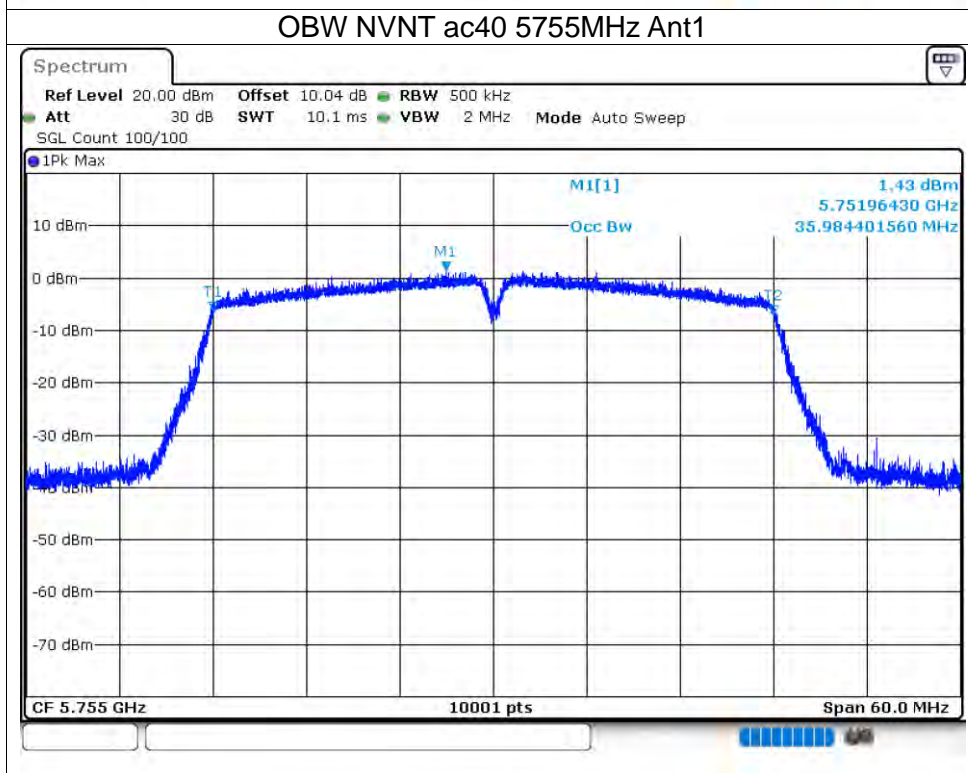
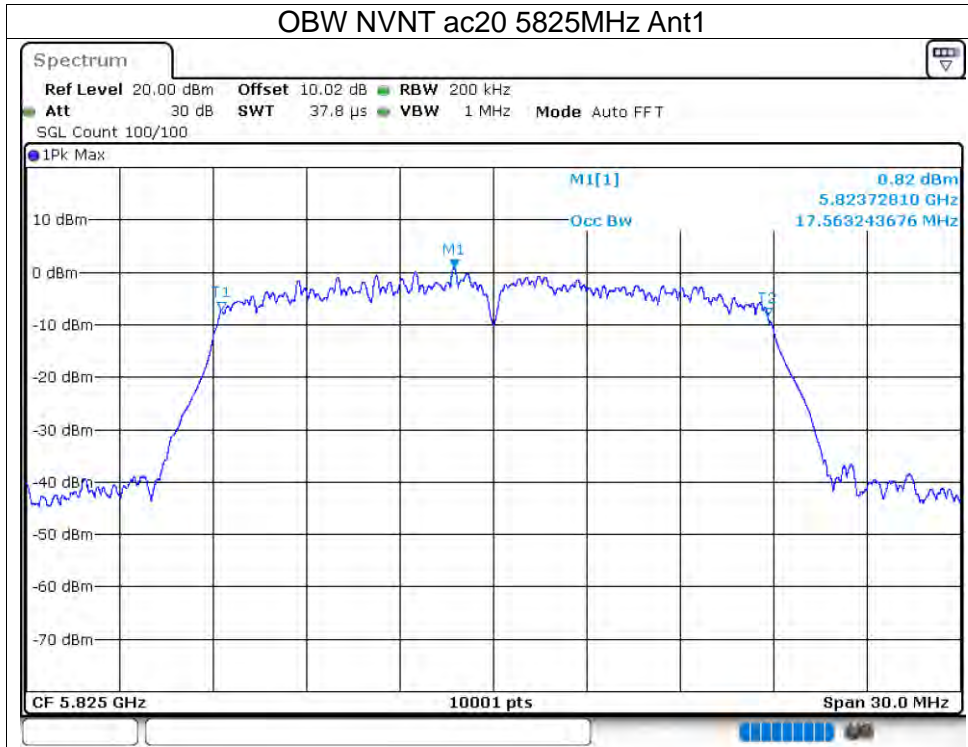


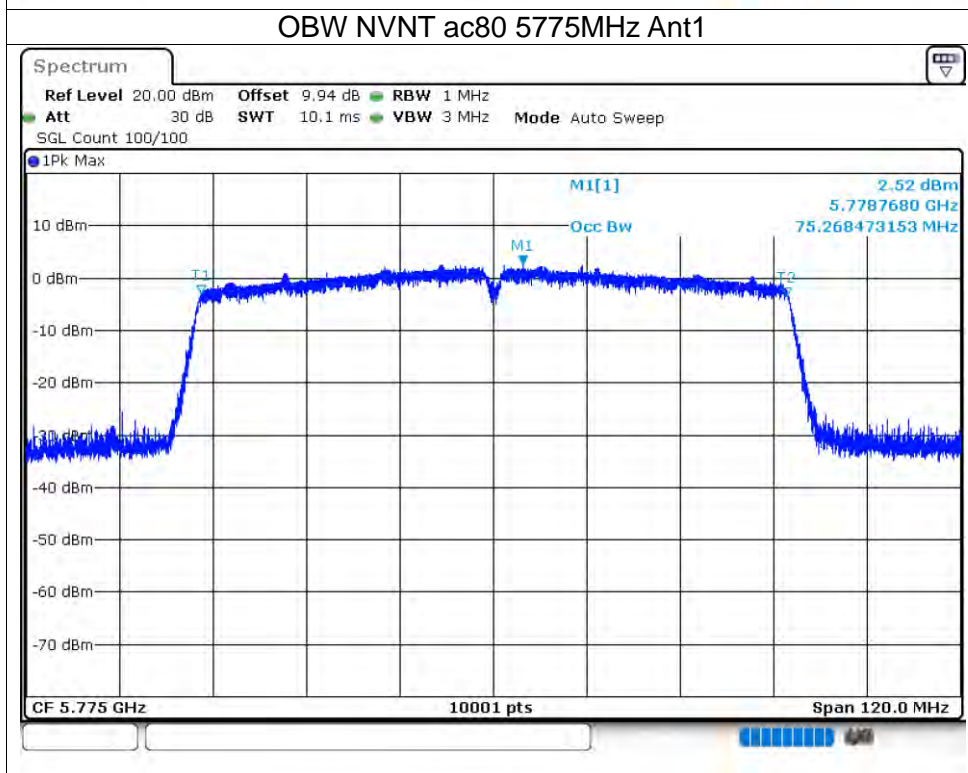
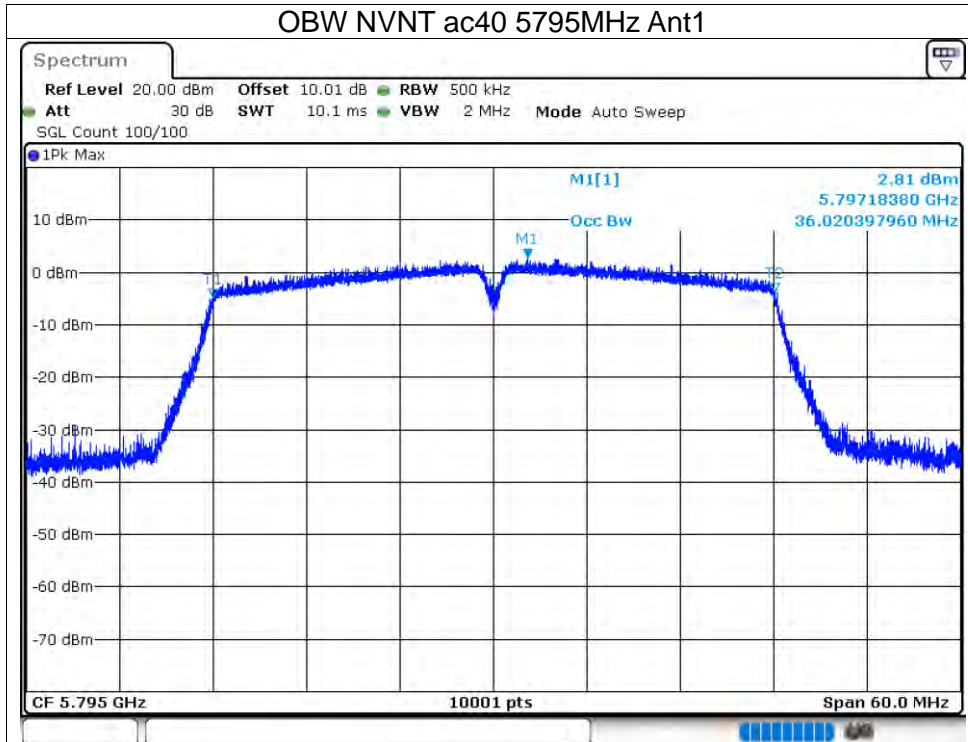










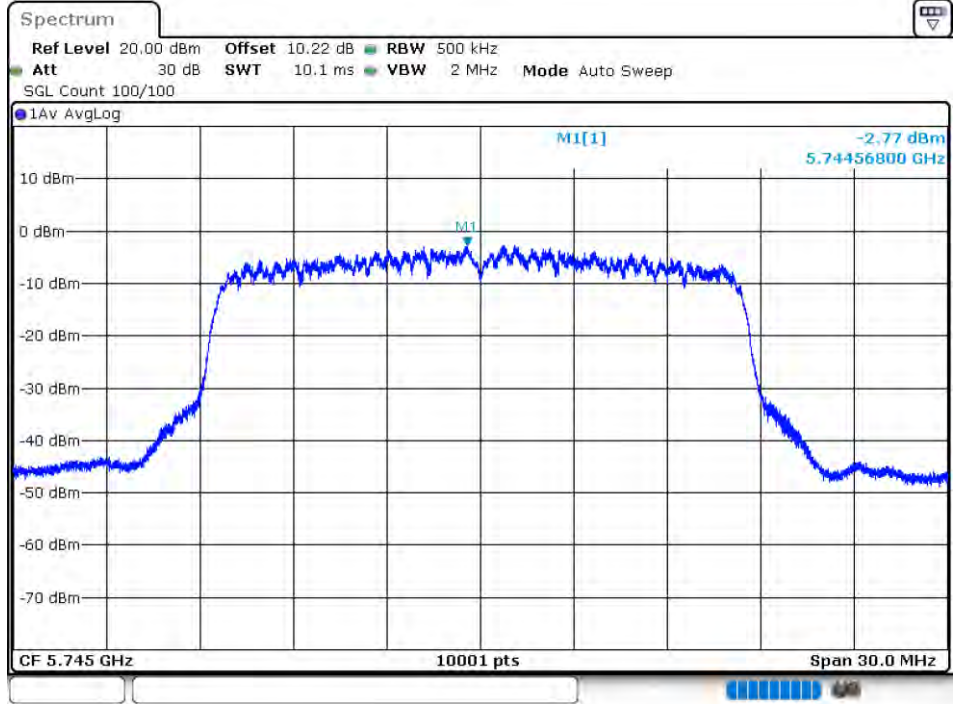


## 5.5 MAXIMUM POWER SPECTRAL DENSITY LEVEL

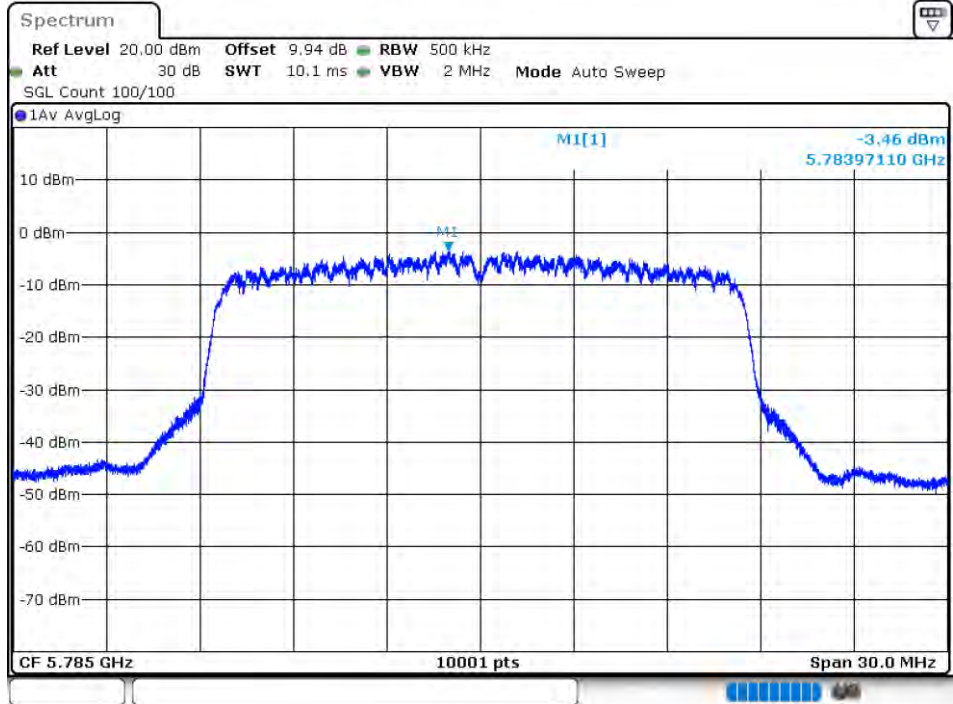
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.77	0.1	-2.67	30	Pass
NVNT	a	5785	Ant1	-3.46	0.11	-3.35	30	Pass
NVNT	a	5825	Ant1	-3.69	0.1	-3.59	30	Pass
NVNT	n20	5745	Ant1	-3	0.11	-2.89	30	Pass
NVNT	n20	5785	Ant1	-3.39	0.11	-3.28	30	Pass
NVNT	n20	5825	Ant1	-4.59	0.11	-4.48	30	Pass
NVNT	n40	5755	Ant1	-8.19	0.21	-7.98	30	Pass
NVNT	n40	5795	Ant1	-7.91	0.21	-7.7	30	Pass
NVNT	ac20	5745	Ant1	-2.37	0.11	-2.26	30	Pass
NVNT	ac20	5785	Ant1	-2.67	0.11	-2.56	30	Pass
NVNT	ac20	5825	Ant1	-4.79	0.11	-4.68	30	Pass
NVNT	ac40	5755	Ant1	-8.25	0.21	-8.04	30	Pass
NVNT	ac40	5795	Ant1	-6.74	0.21	-6.53	30	Pass
NVNT	ac80	5775	Ant1	-13.4	0.42	-12.98	30	Pass

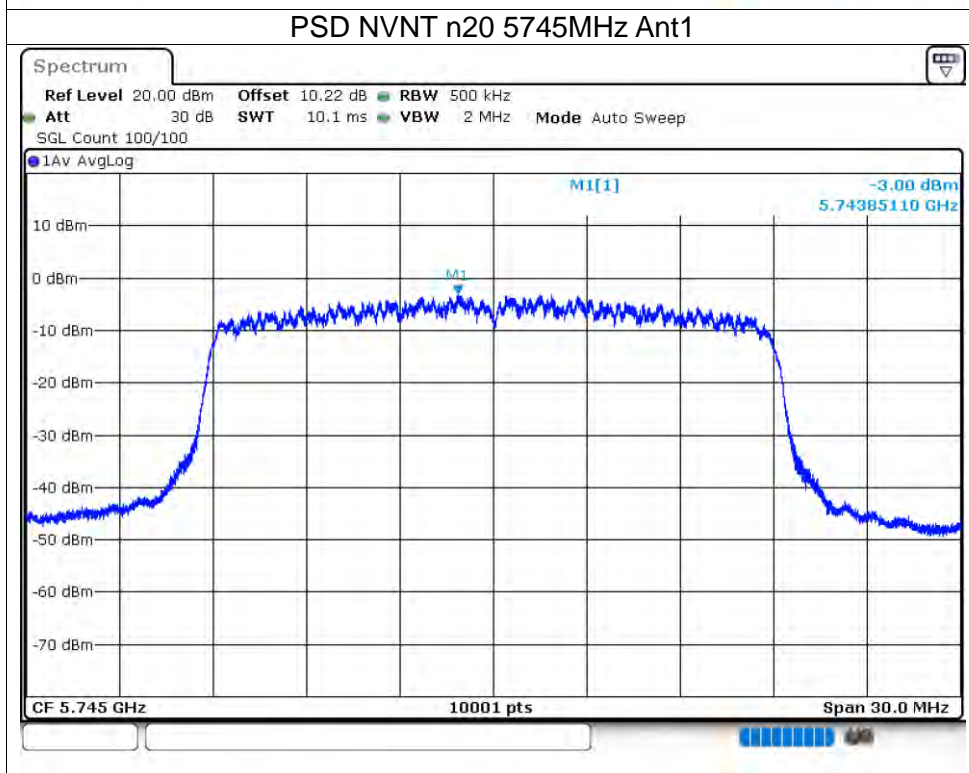
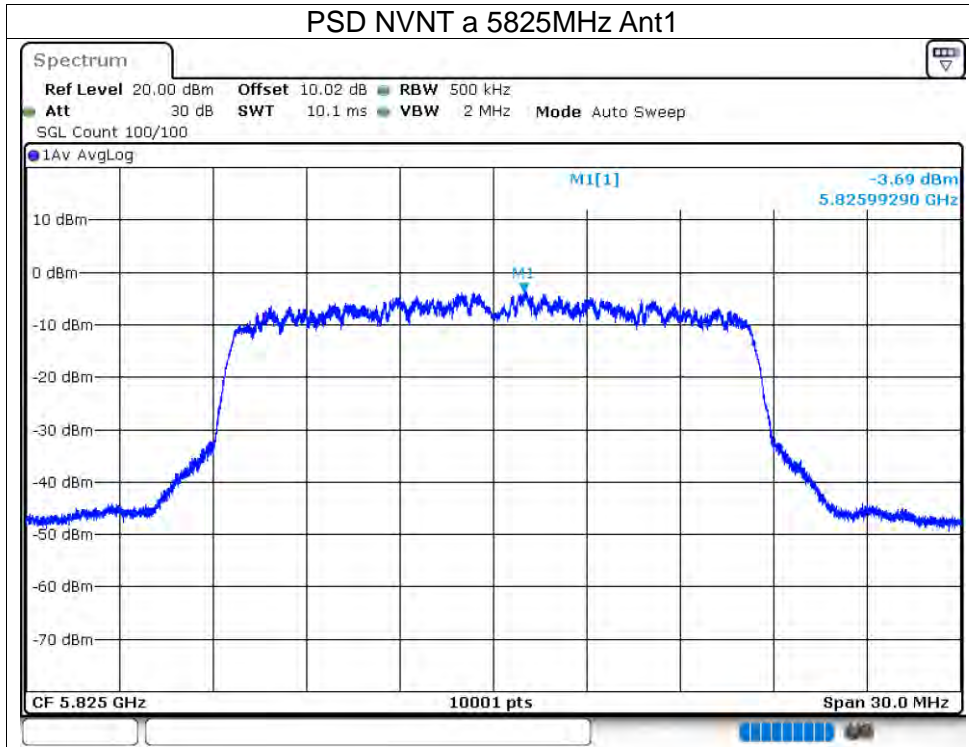
Test Graphs

PSD NVNT a 5745MHz Ant1

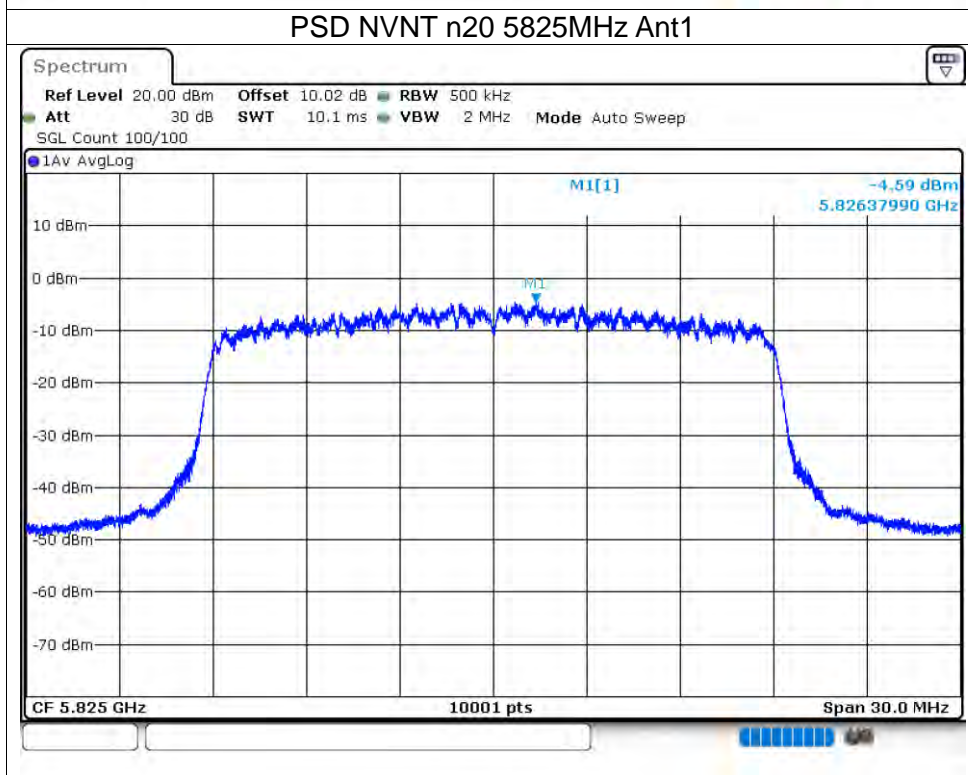
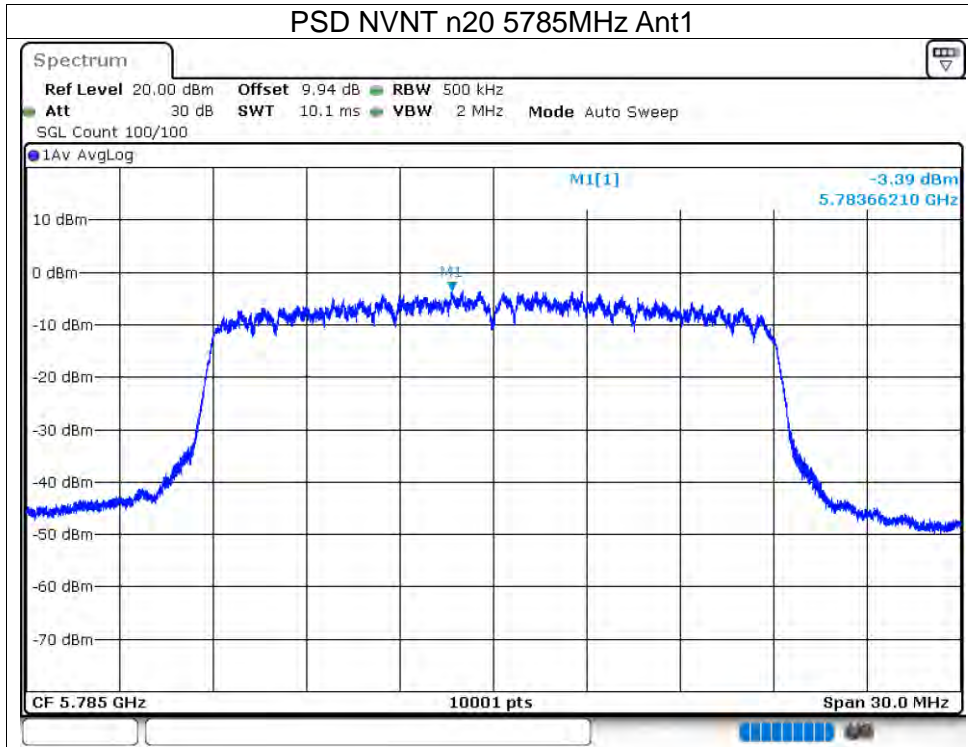


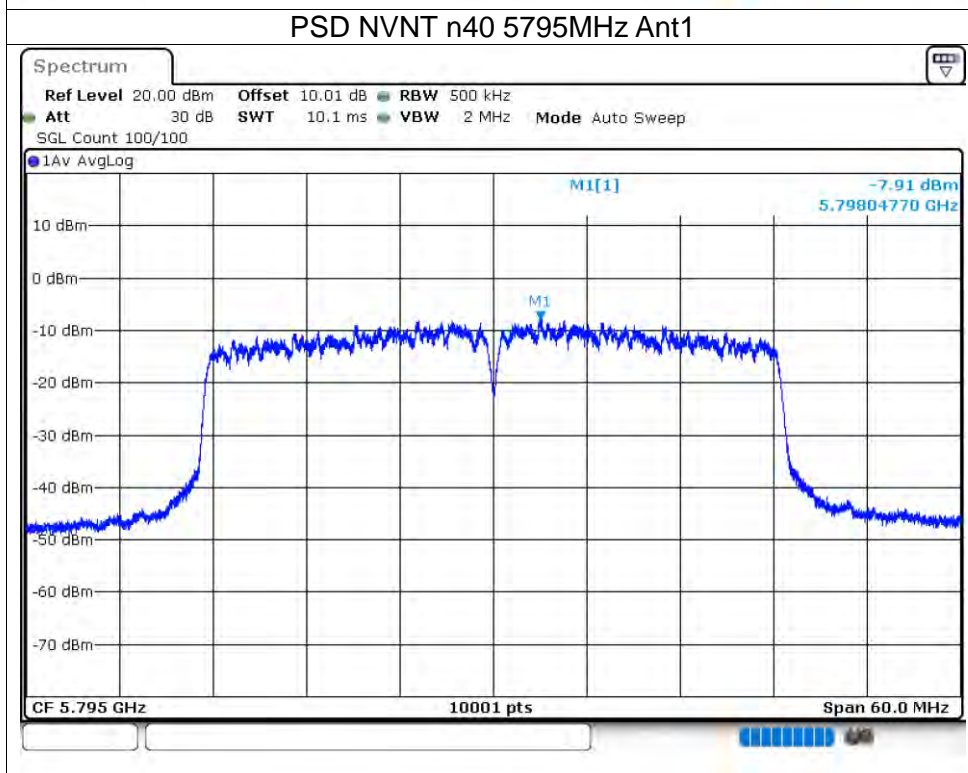
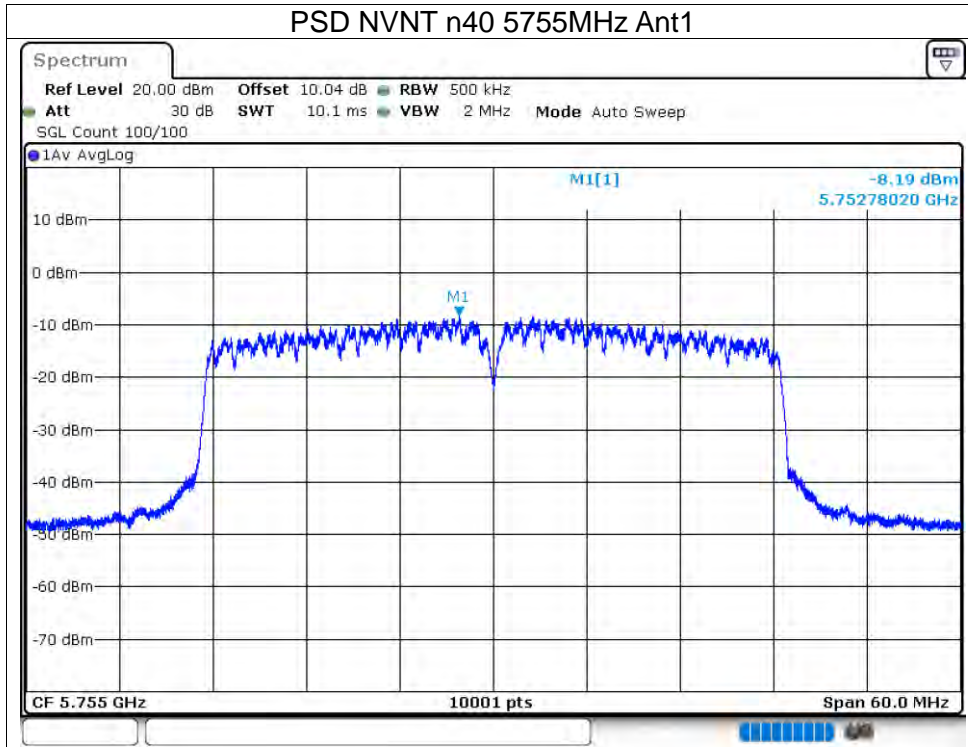
PSD NVNT a 5785MHz Ant1

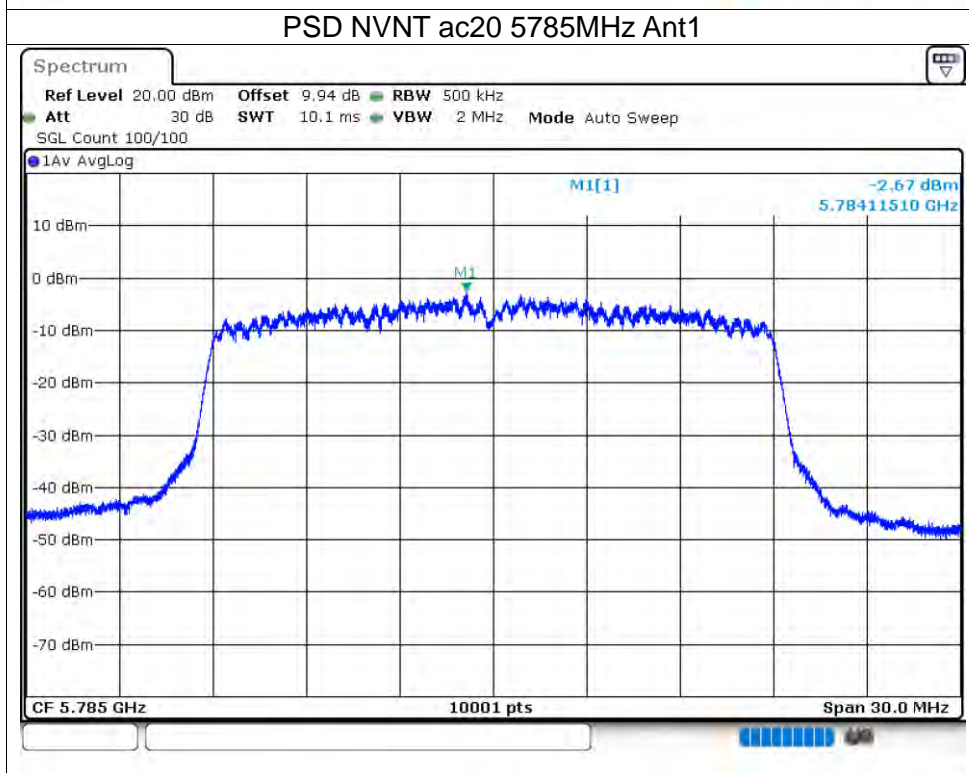
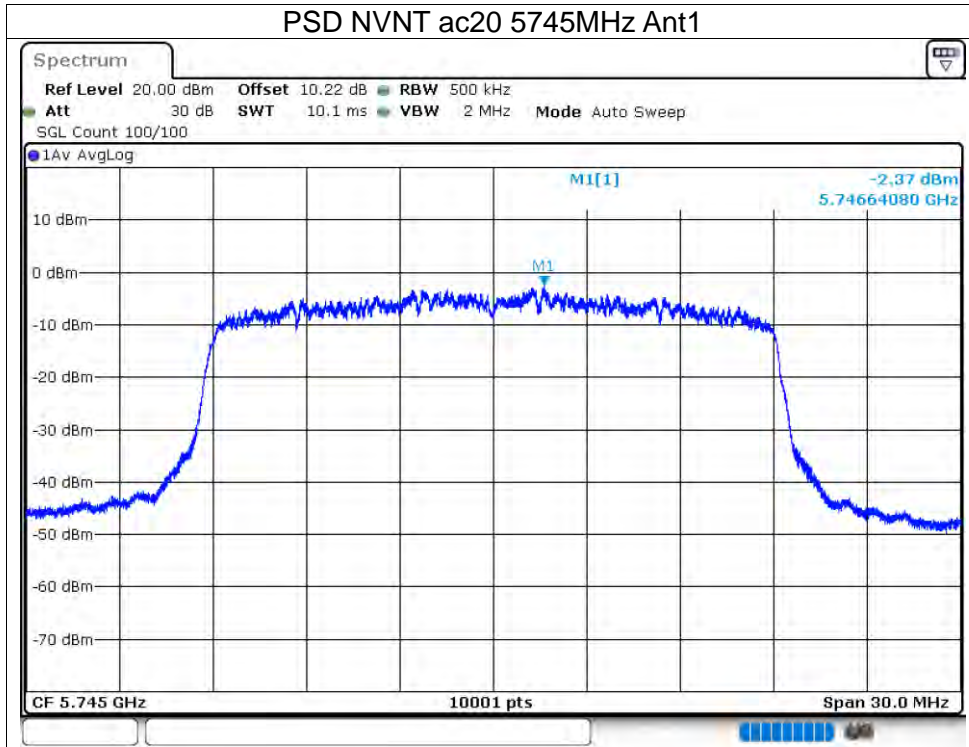


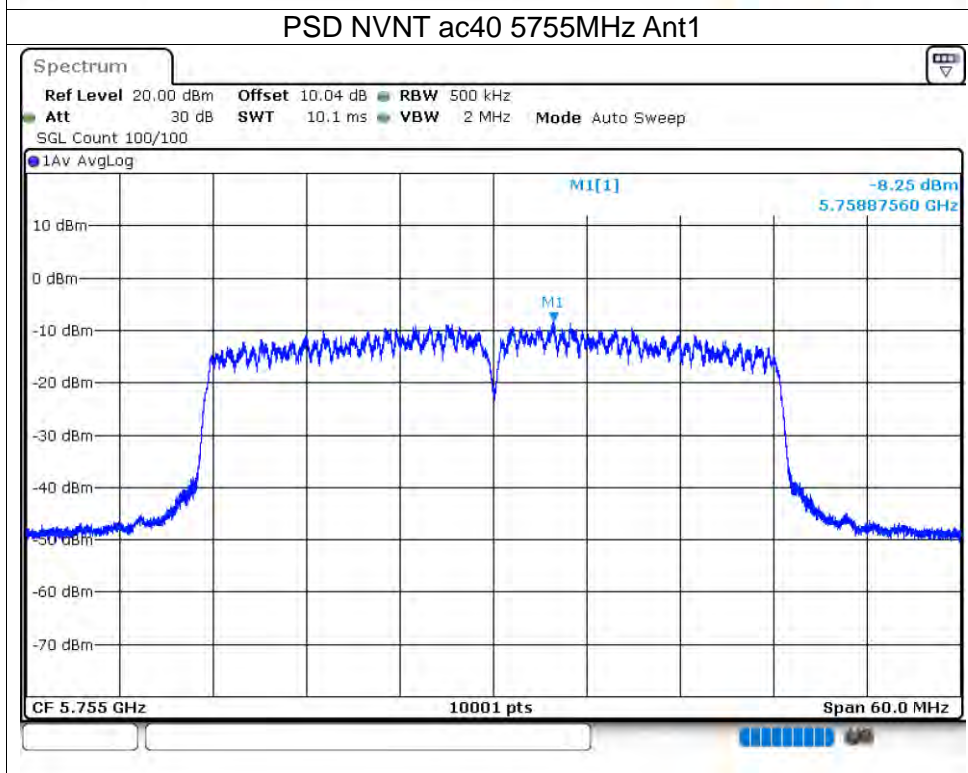
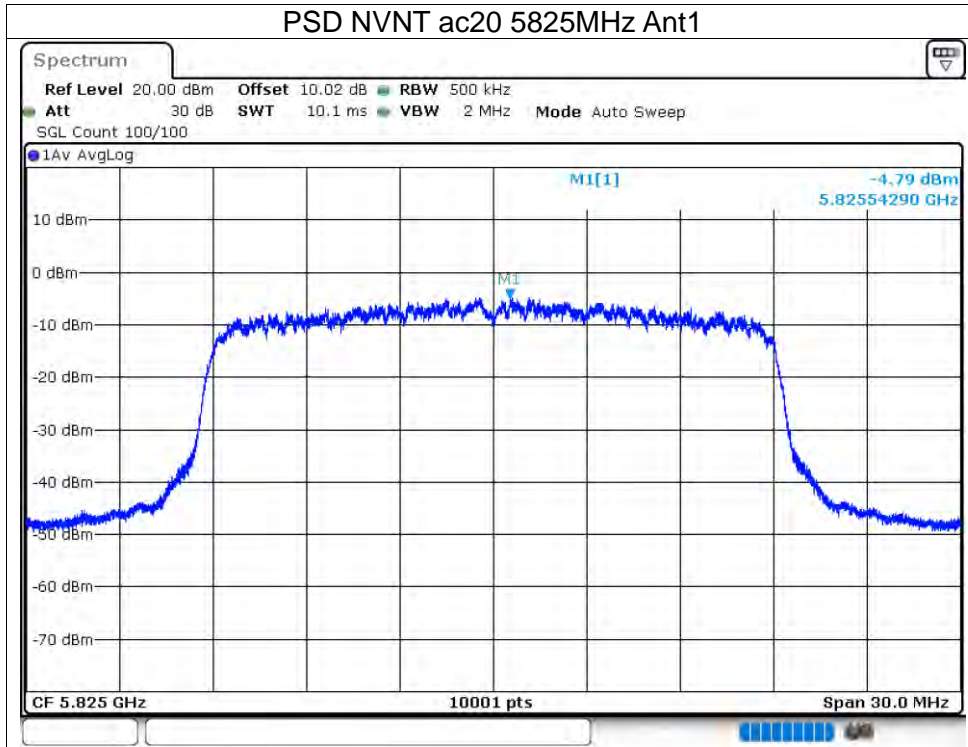


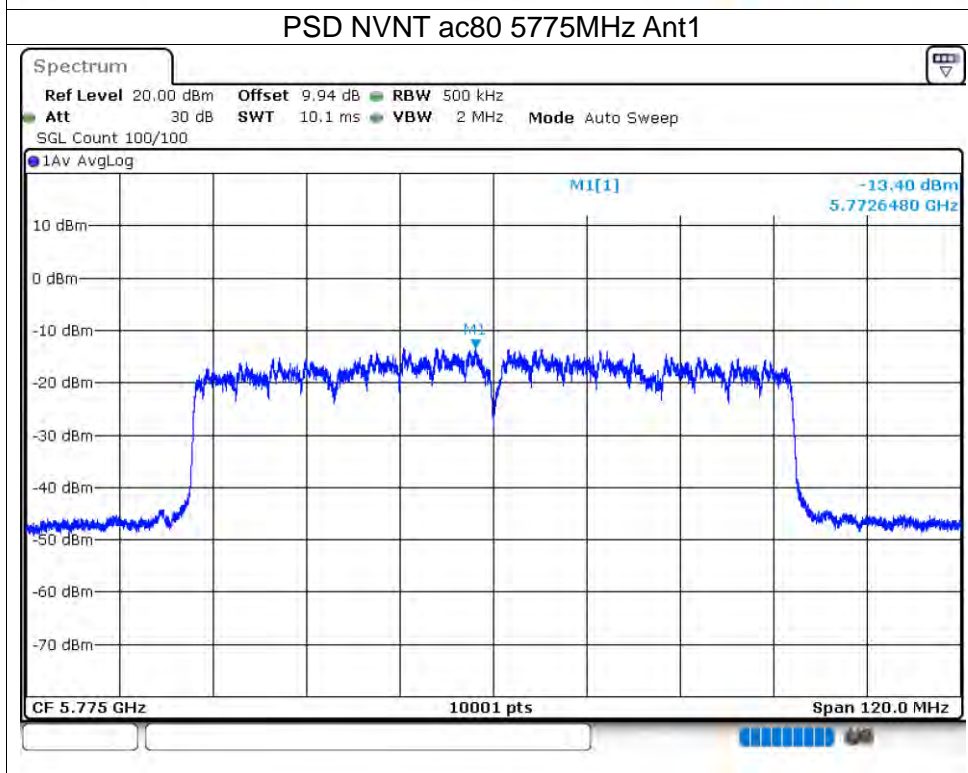
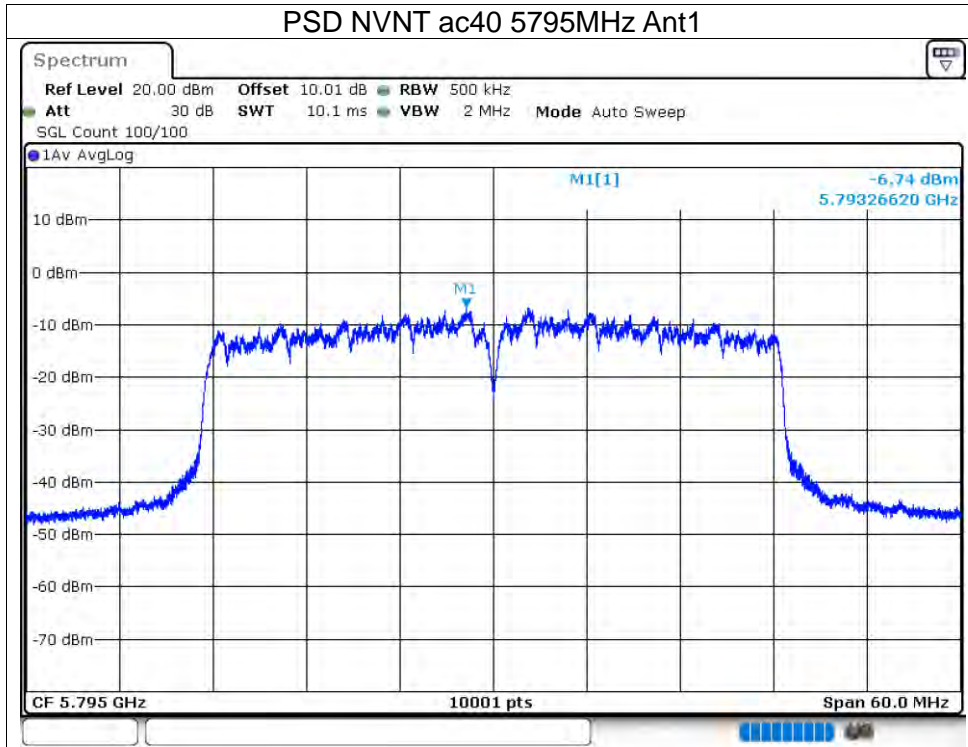






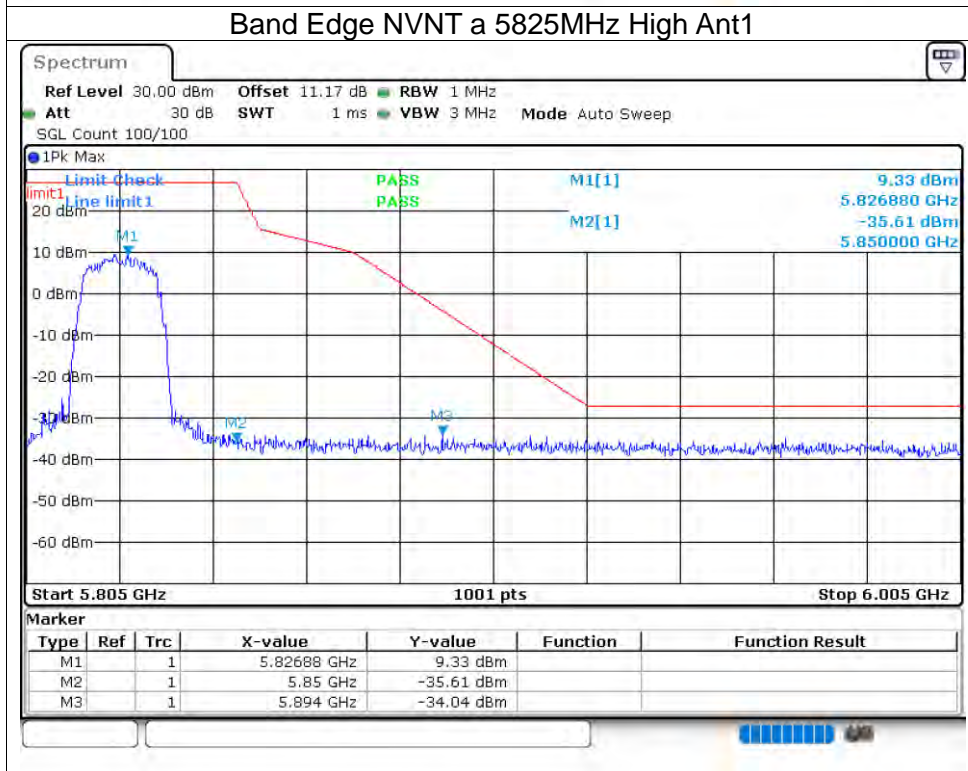
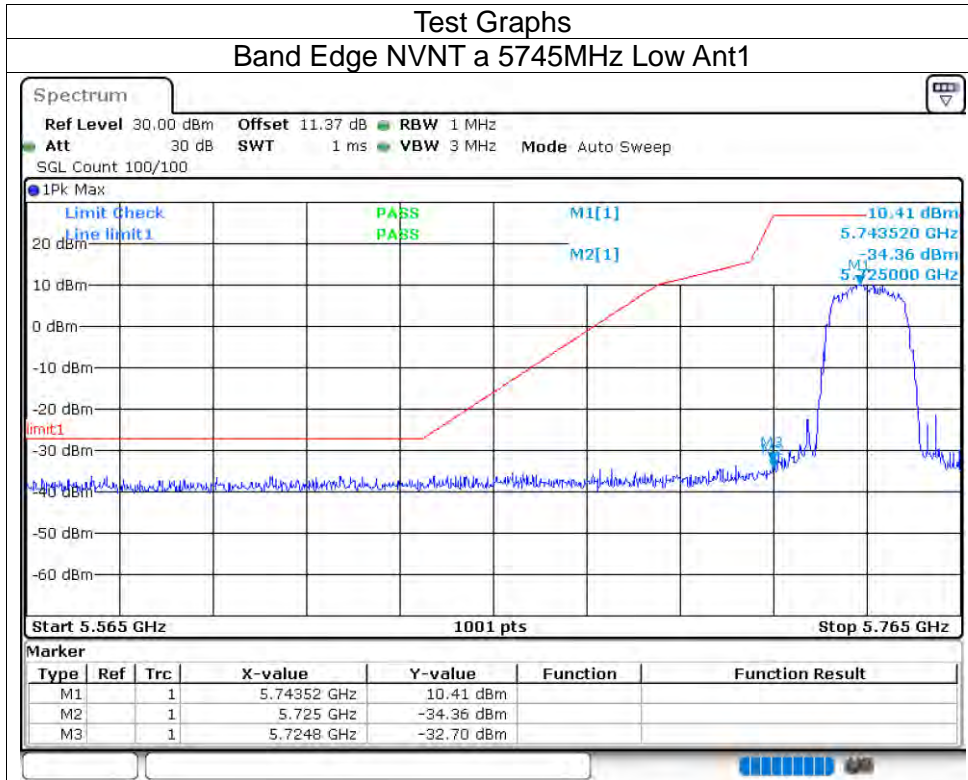


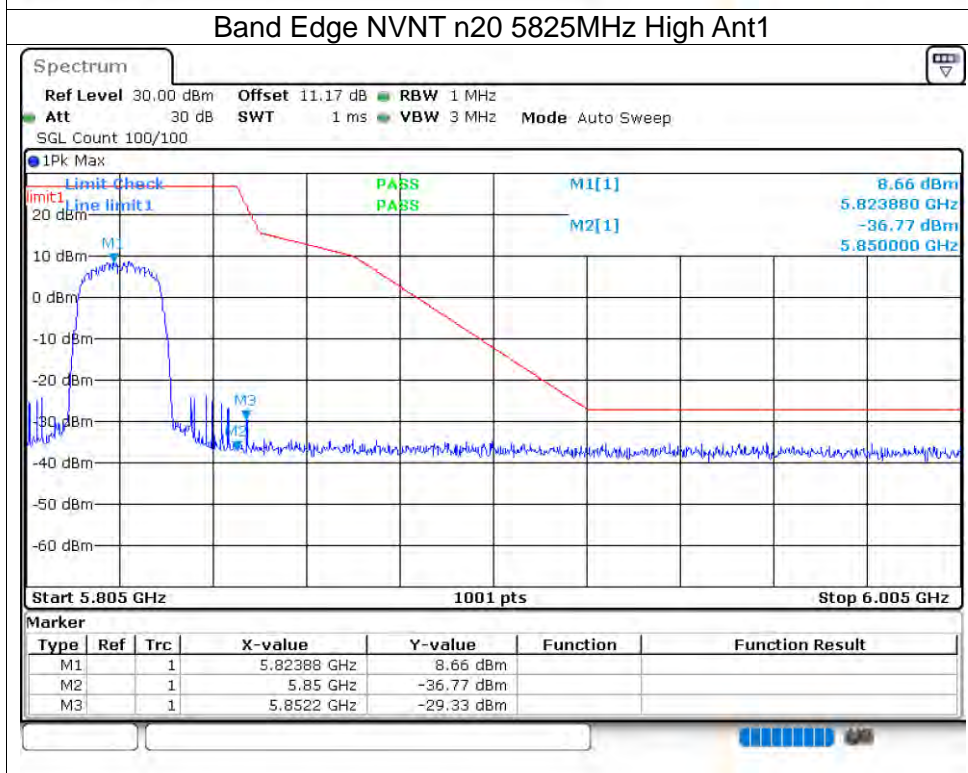
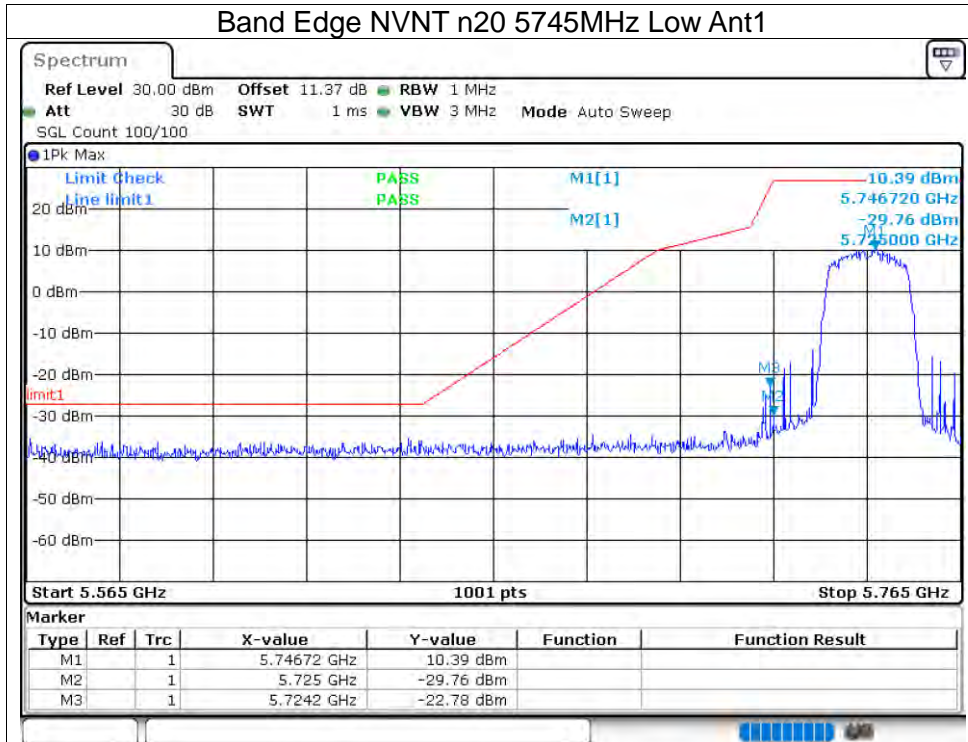




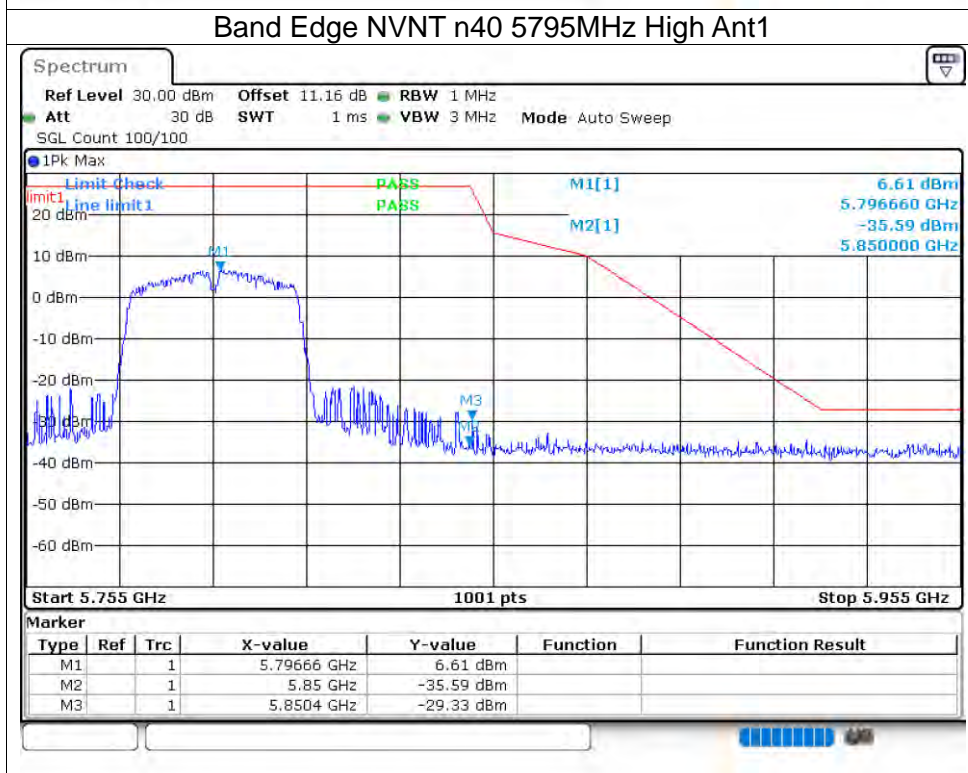
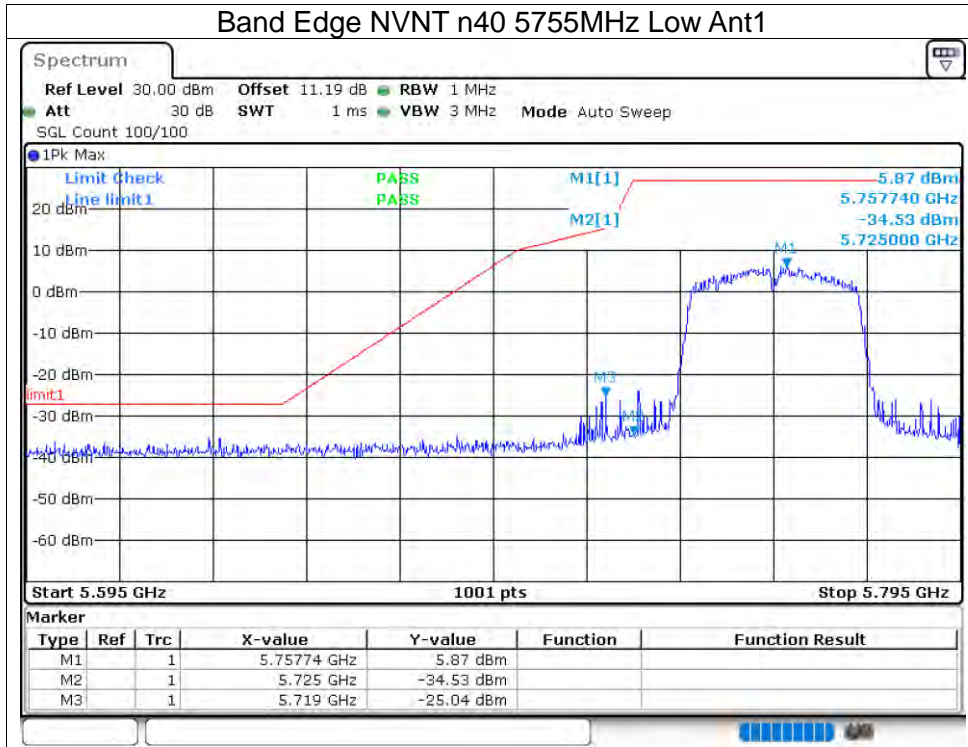
## 5.6 BAND EDGE

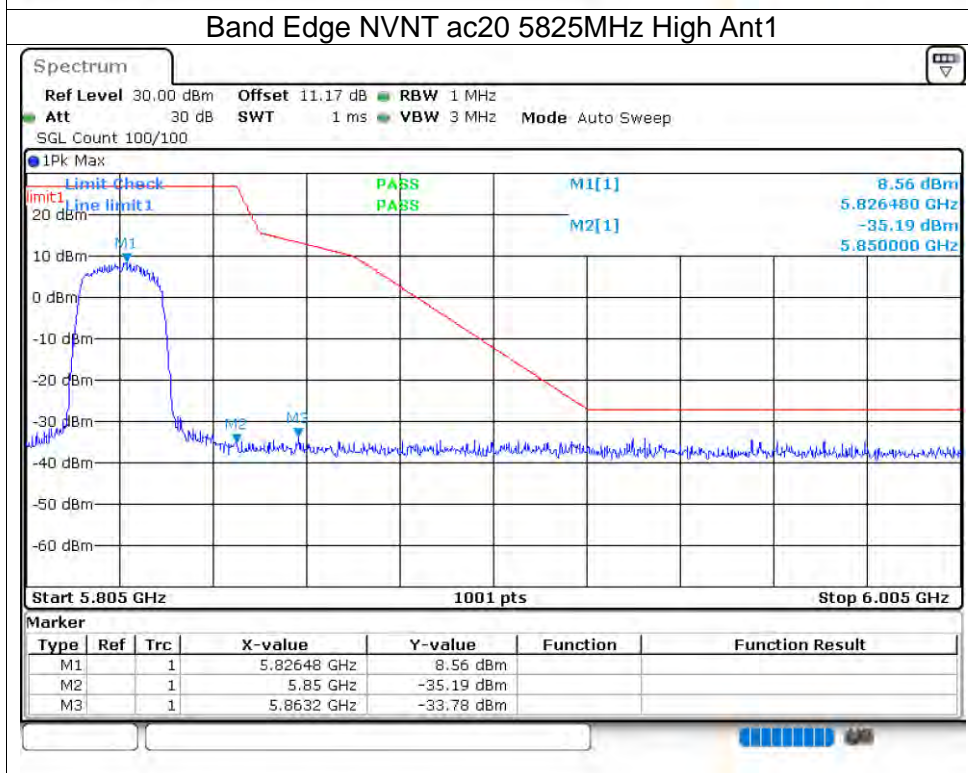
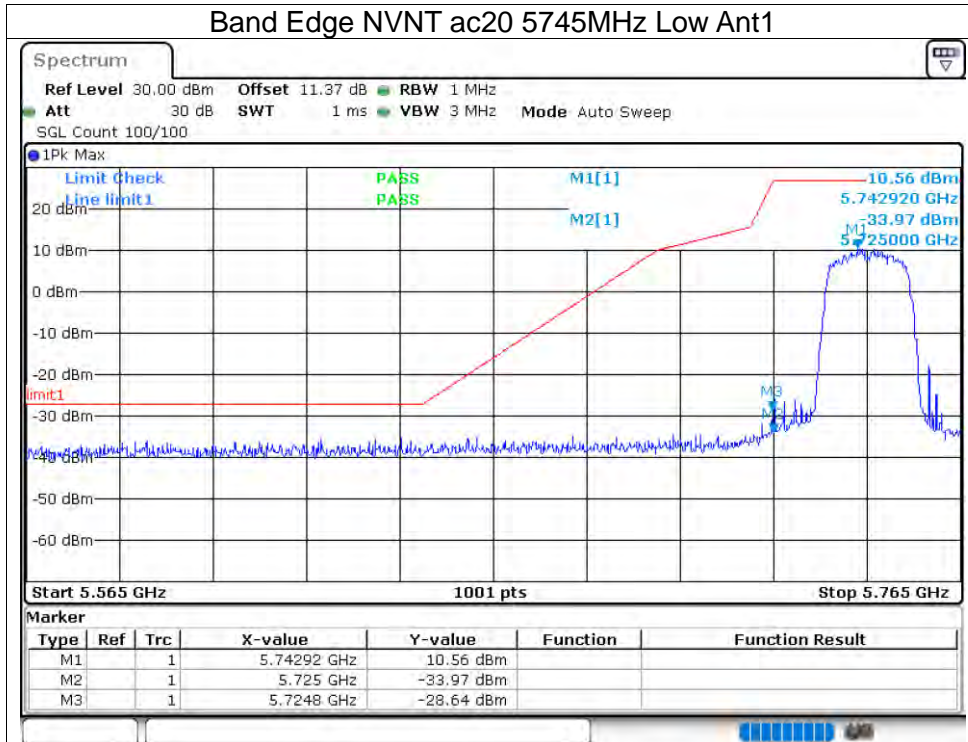
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-32.7	Pass
NVNT	a	5825	Ant1	-34.04	Pass
NVNT	n20	5745	Ant1	-22.77	Pass
NVNT	n20	5825	Ant1	-29.32	Pass
NVNT	n40	5755	Ant1	-25.03	Pass
NVNT	n40	5795	Ant1	-29.32	Pass
NVNT	ac20	5745	Ant1	-28.64	Pass
NVNT	ac20	5825	Ant1	-33.77	Pass
NVNT	ac40	5755	Ant1	-32.71	Pass
NVNT	ac40	5795	Ant1	-34.1	Pass
NVNT	ac80	5775	Ant1	-29.67	Pass
NVNT	ac80	5775	Ant1	-26.77	Pass



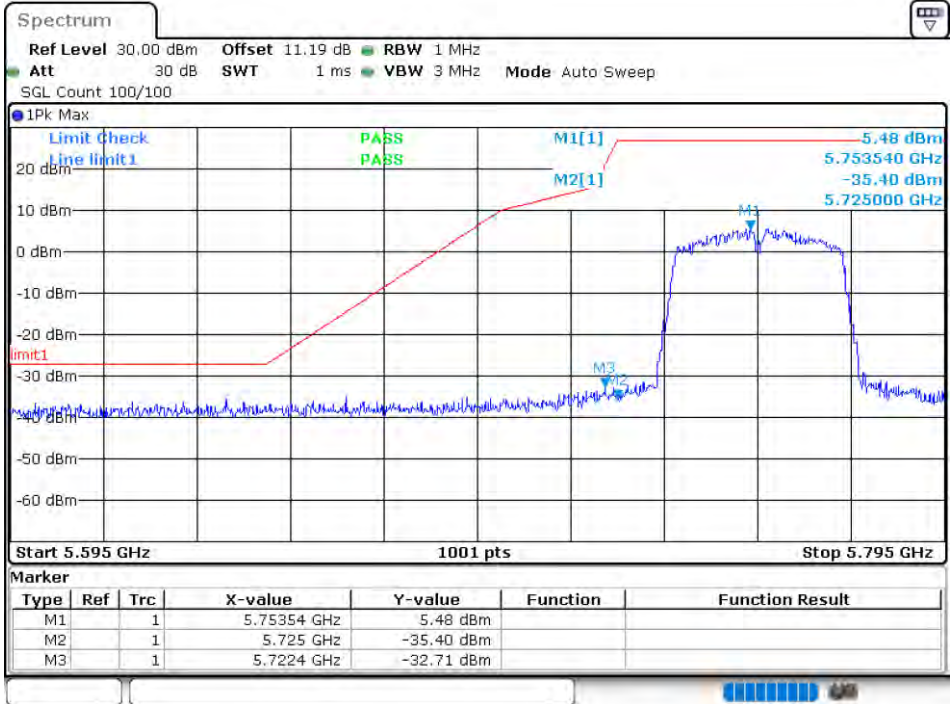




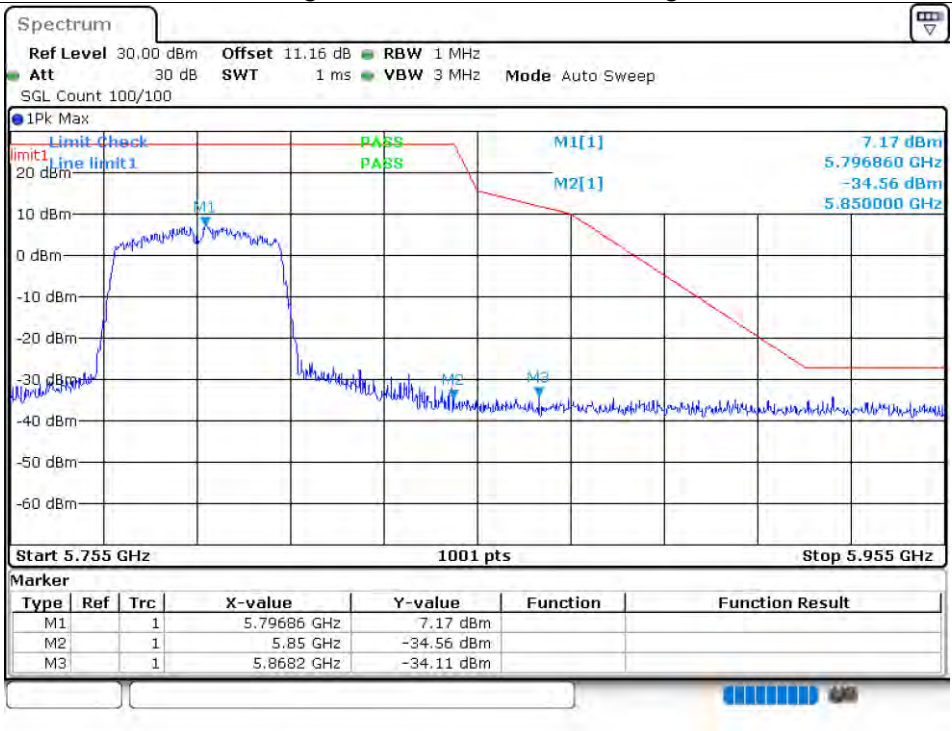


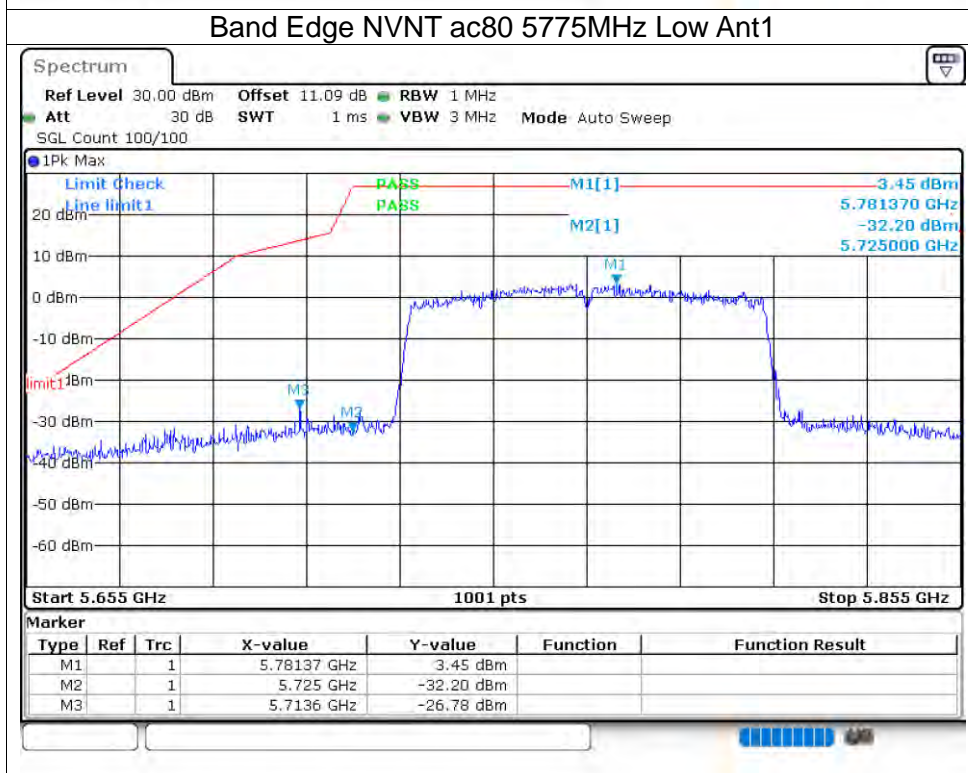
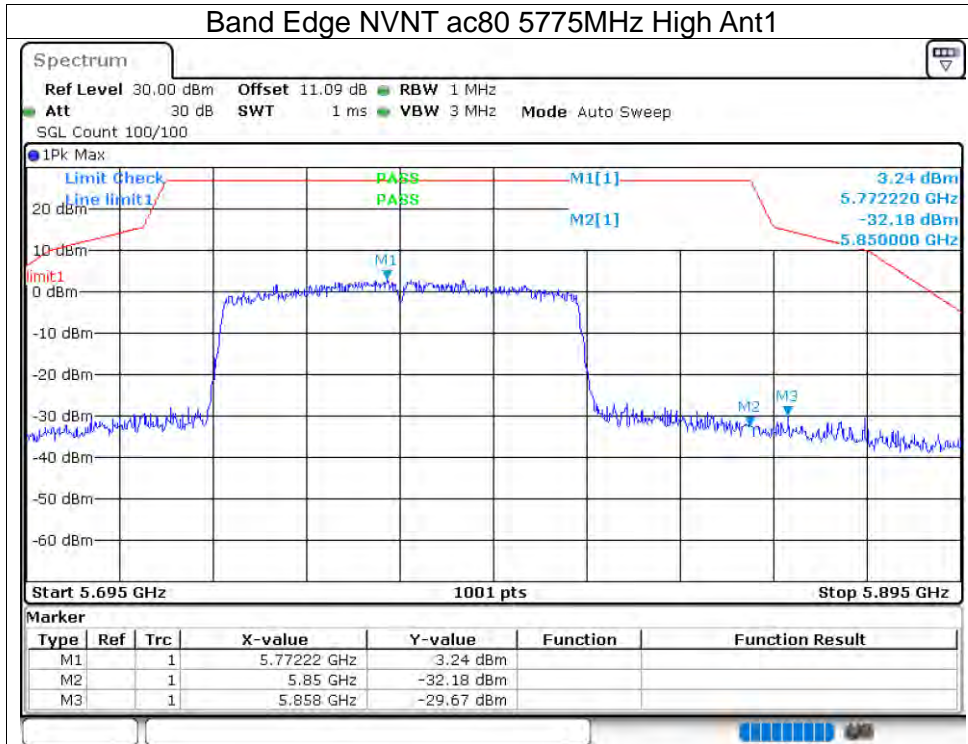


Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



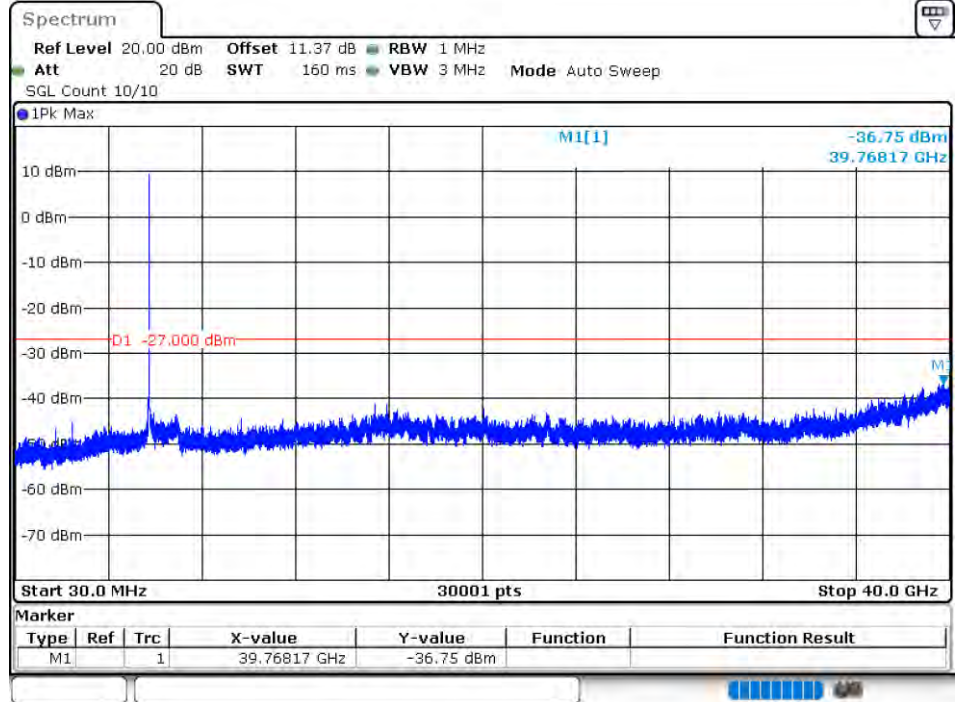


## 5.7 CONDUCTED RF SPURIOUS EMISSION

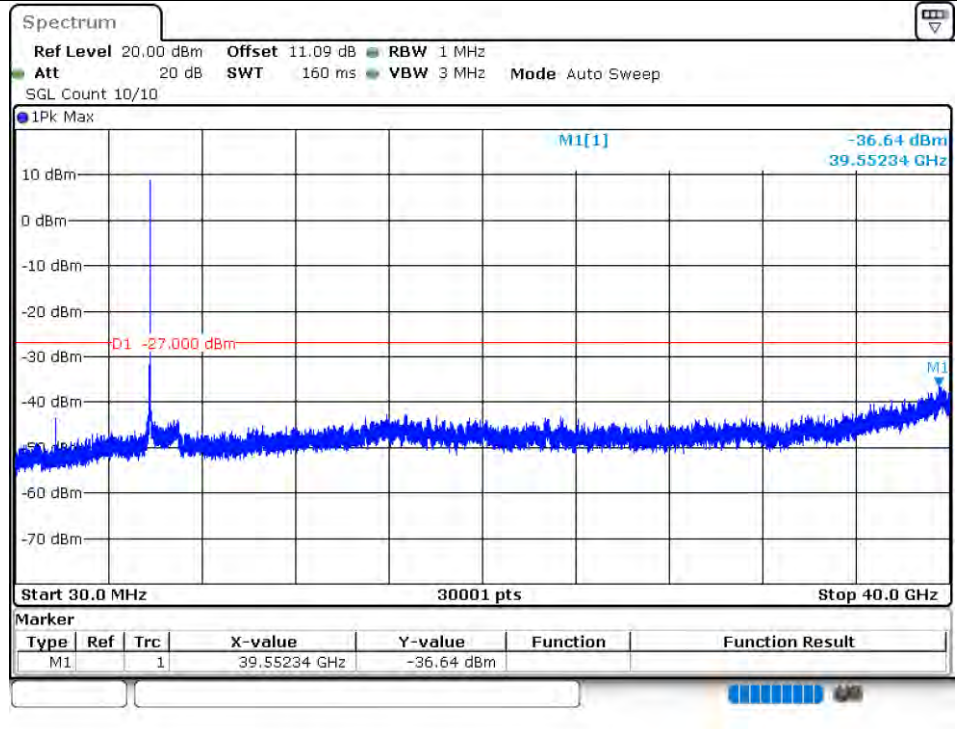
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-36.74	-27	Pass
NVNT	a	5785	Ant1	-36.63	-27	Pass
NVNT	a	5825	Ant1	-36.56	-27	Pass
NVNT	n20	5745	Ant1	-36.87	-27	Pass
NVNT	n20	5785	Ant1	-36.53	-27	Pass
NVNT	n20	5825	Ant1	-37.22	-27	Pass
NVNT	n40	5755	Ant1	-36.46	-27	Pass
NVNT	n40	5795	Ant1	-36.09	-27	Pass
NVNT	ac20	5745	Ant1	-37.07	-27	Pass
NVNT	ac20	5785	Ant1	-37.16	-27	Pass
NVNT	ac20	5825	Ant1	-36.24	-27	Pass
NVNT	ac40	5755	Ant1	-37.04	-27	Pass
NVNT	ac40	5795	Ant1	-36.35	-27	Pass
NVNT	ac80	5775	Ant1	-37	-27	Pass

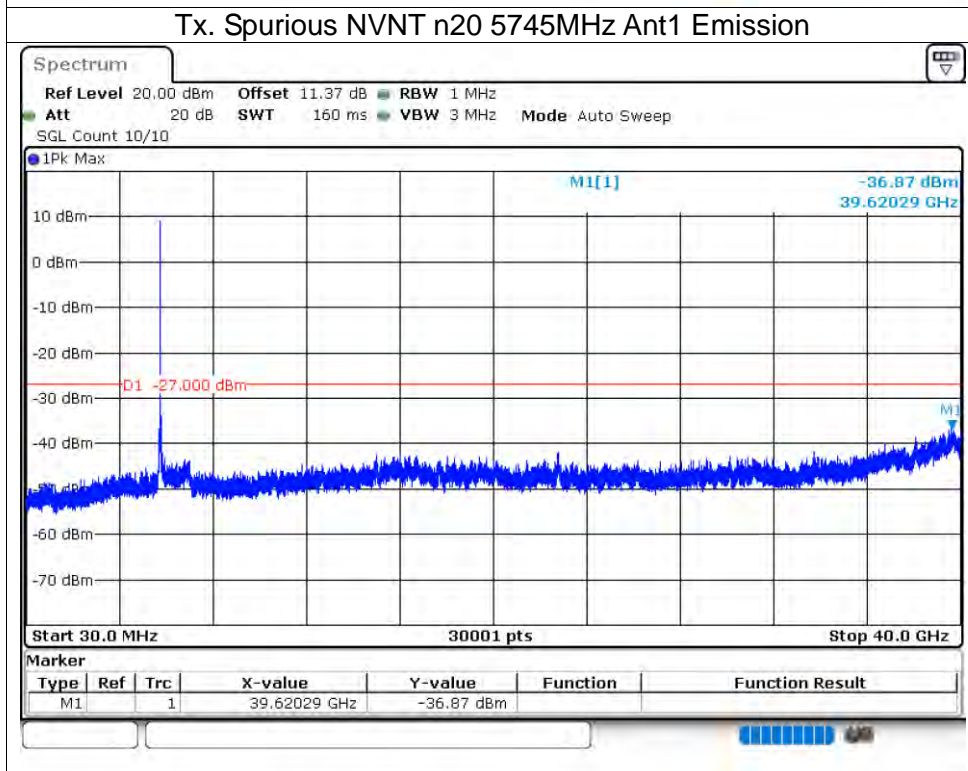
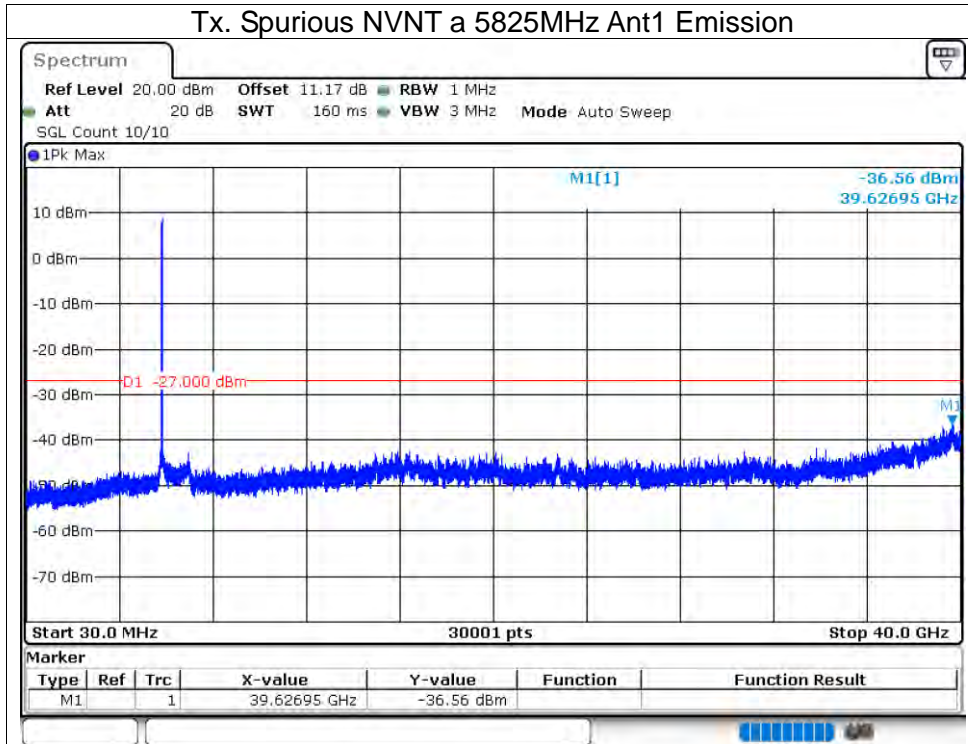
Test Graphs

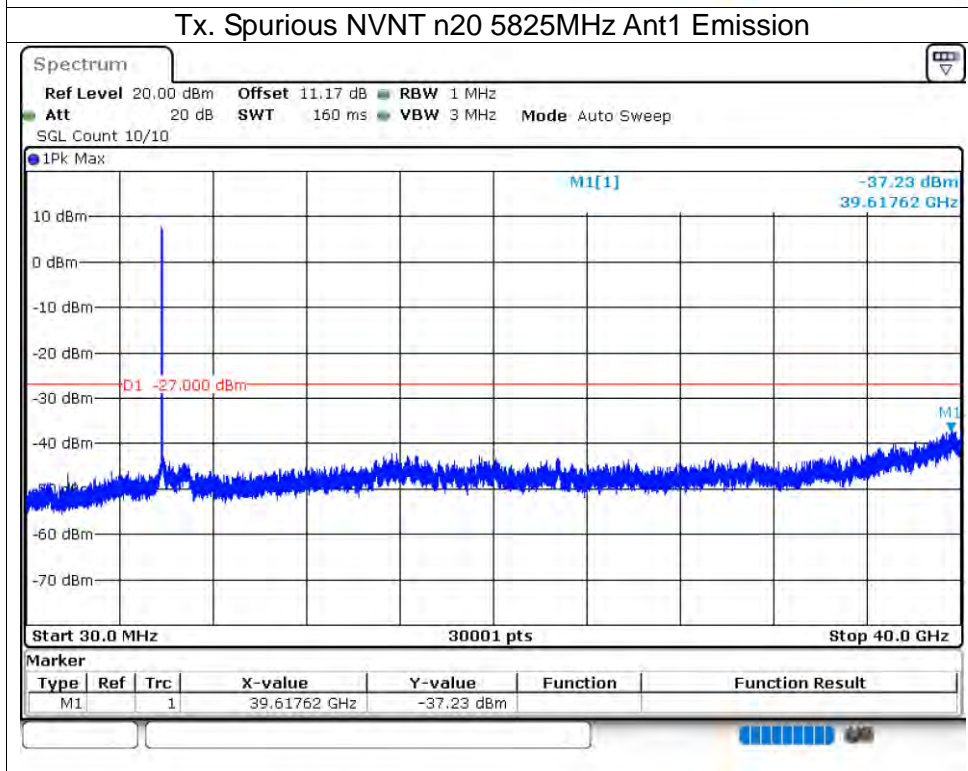
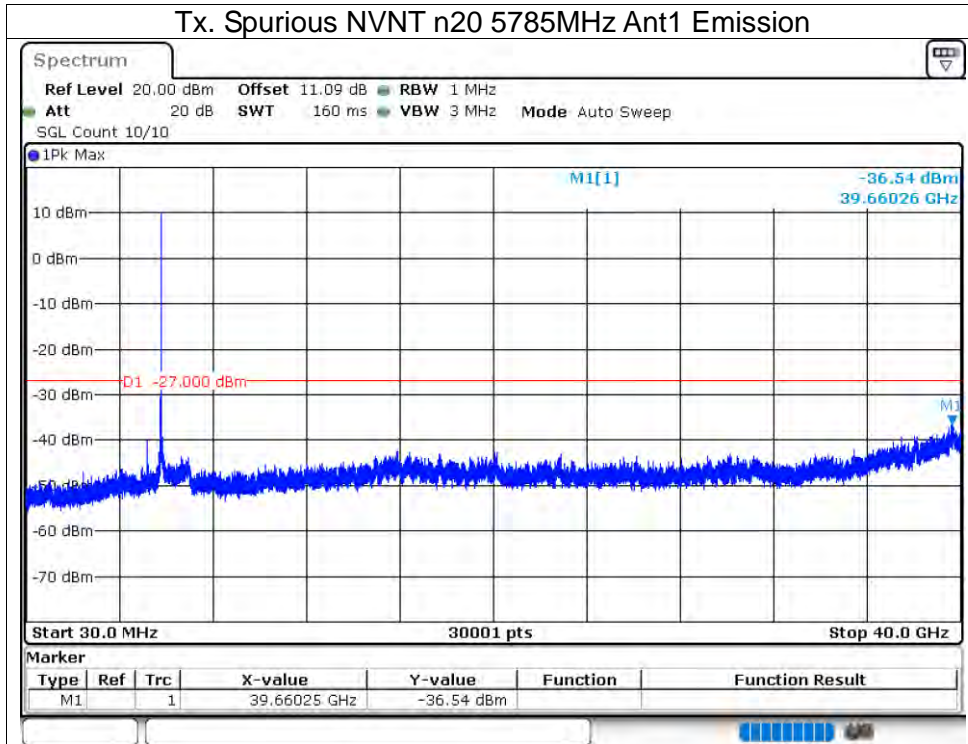
Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission

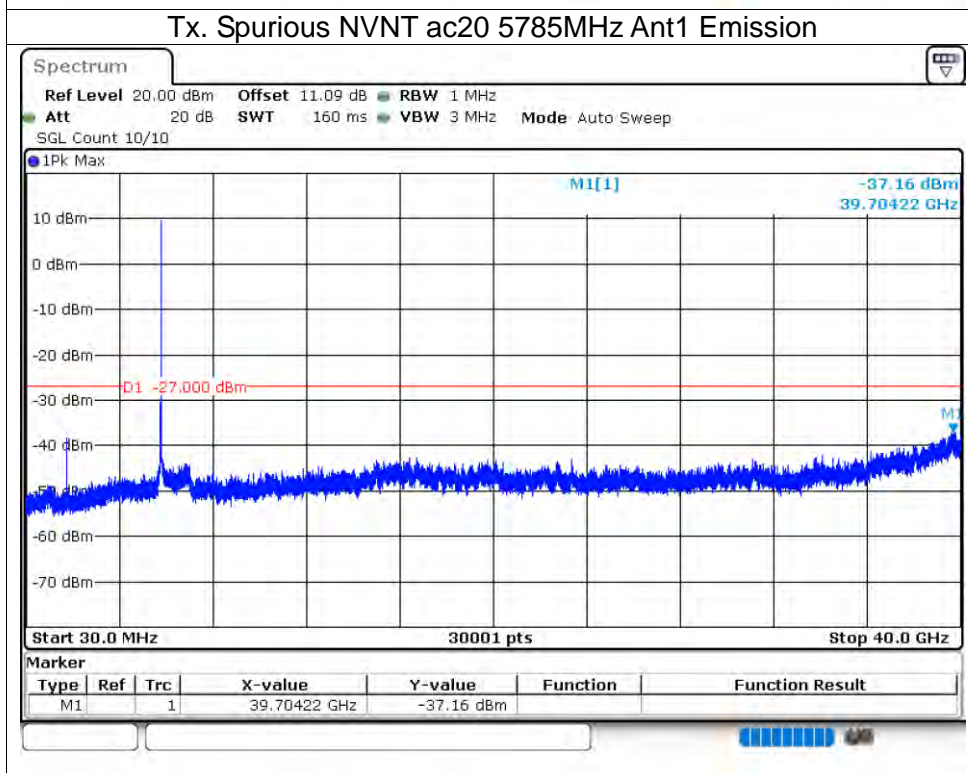
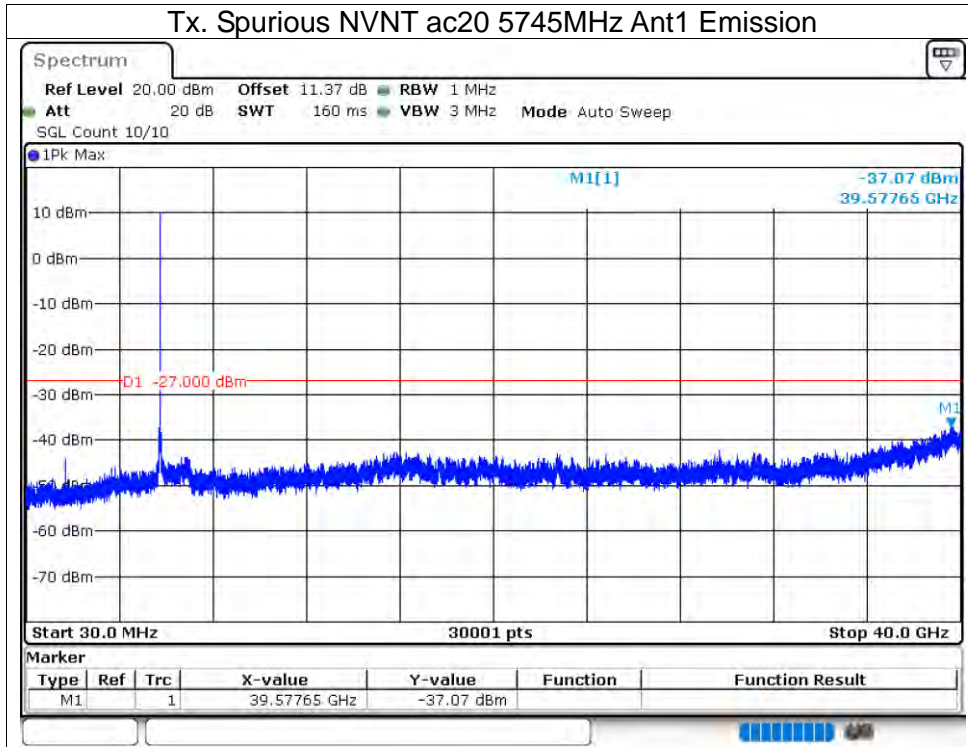


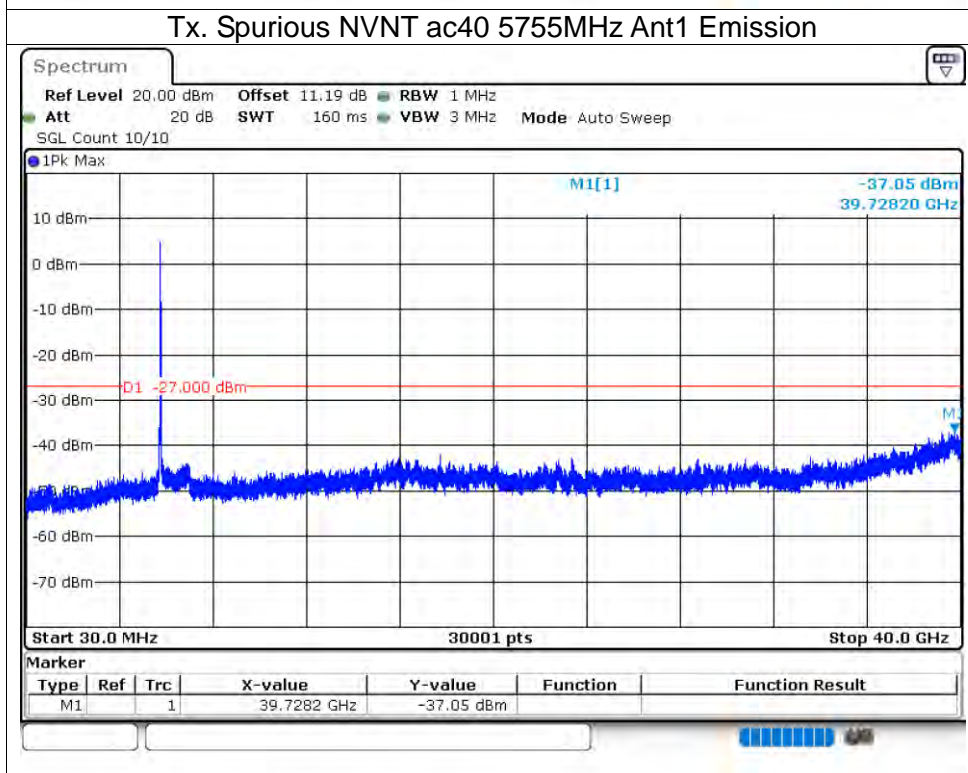
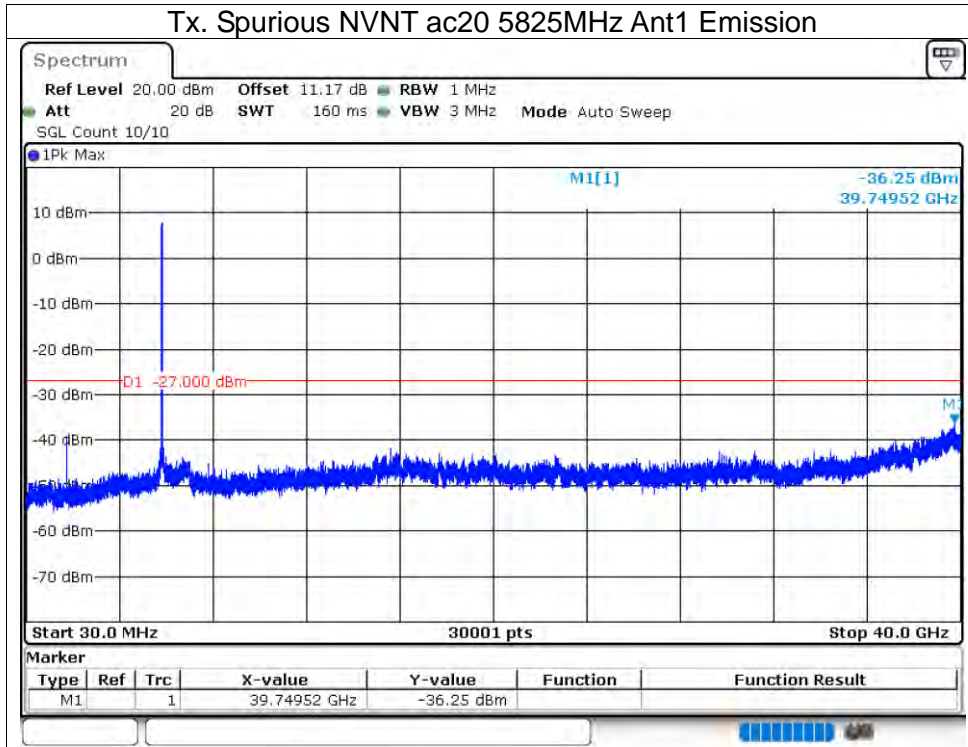


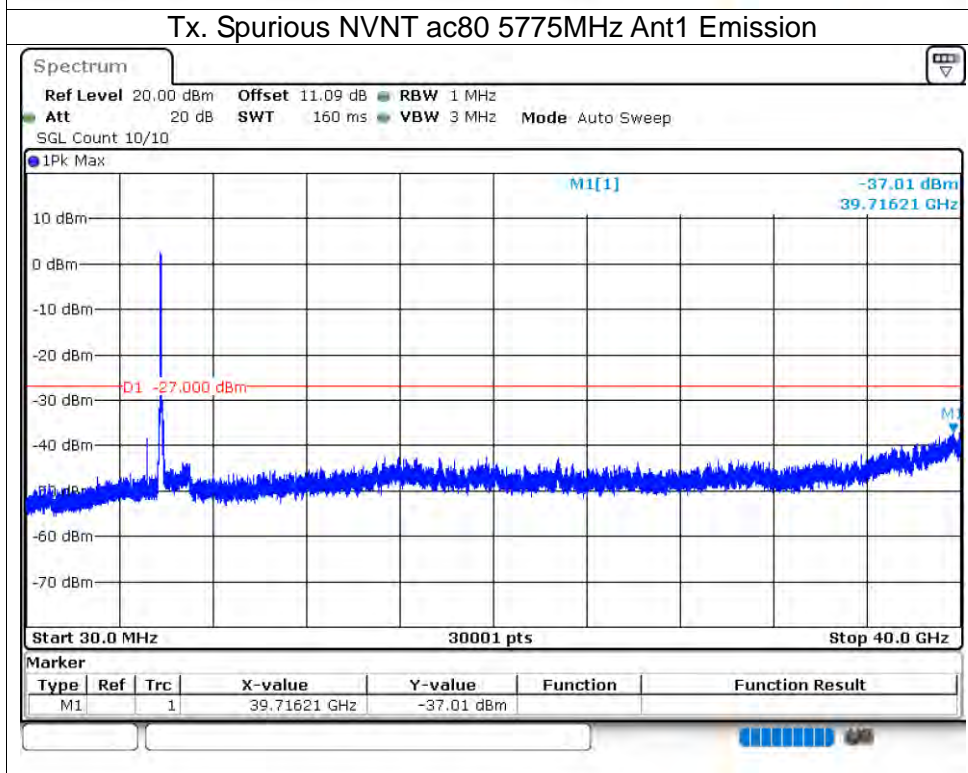
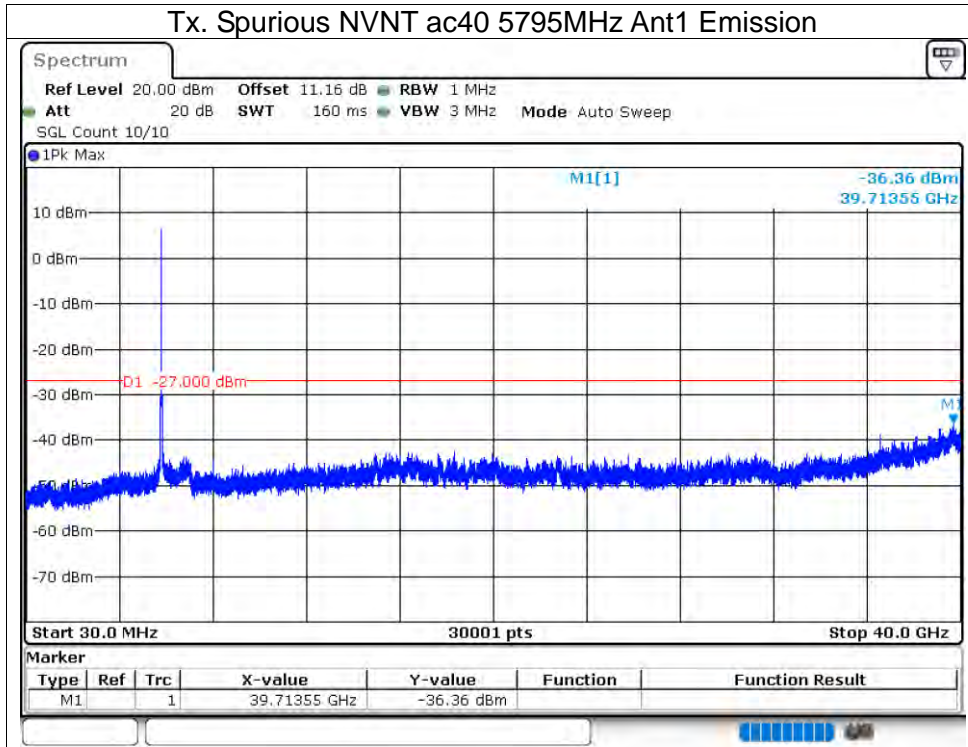












END OF REPORT