

5.8G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.6	0.11	0.71
NVNT	a	5785	Ant1	97.61	0.11	0.71
NVNT	a	5825	Ant1	97.63	0.1	0.72
NVNT	n20	5745	Ant1	97.45	0.11	0.77
NVNT	n20	5785	Ant1	97.44	0.11	0.77
NVNT	n20	5825	Ant1	97.51	0.11	0.77
NVNT	n40	5755	Ant1	95.16	0.22	1.56
NVNT	n40	5795	Ant1	95.15	0.22	1.54
NVNT	ac20	5745	Ant1	97.56	0.11	0.76
NVNT	ac20	5785	Ant1	97.45	0.11	0.76
NVNT	ac20	5825	Ant1	97.54	0.11	0.76
NVNT	ac40	5755	Ant1	95.18	0.21	1.54
NVNT	ac40	5795	Ant1	95.18	0.21	1.52
NVNT	ac80	5775	Ant1	90.68	0.42	3.12

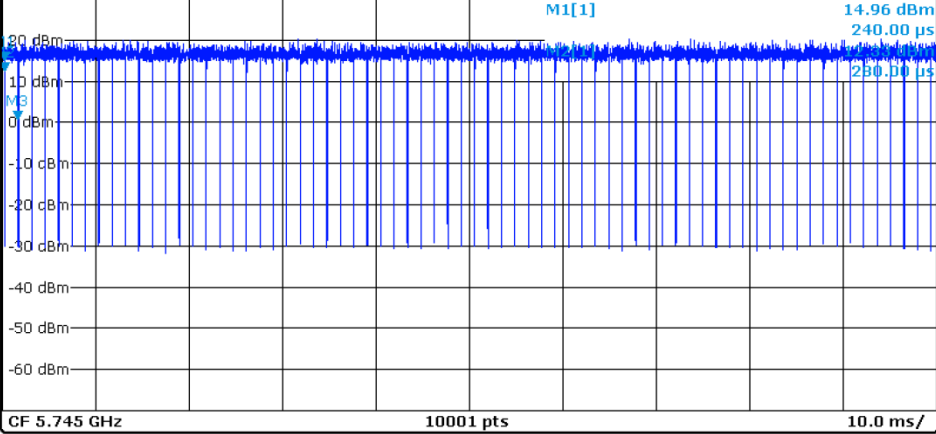
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 10.22 dB RBW 10 MHz
Att 30 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw



Marker

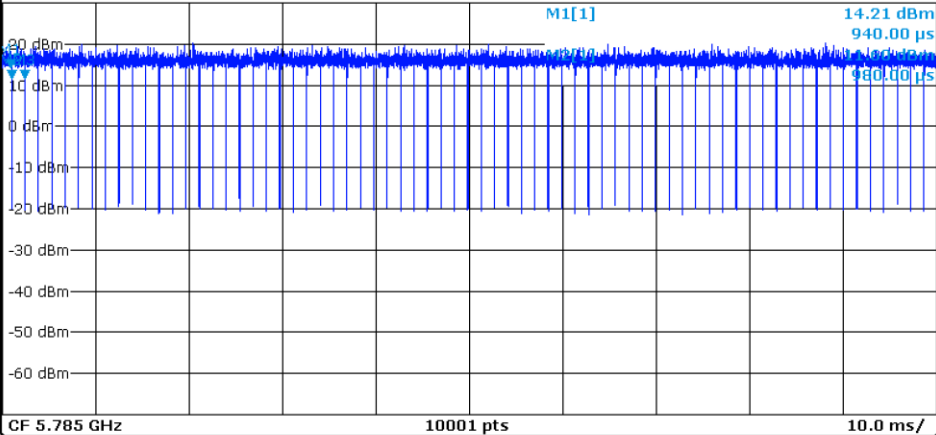
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	240.0 μs	14.96 dBm		
M2		1	280.0 μs	12.33 dBm		
M3		1	1.68 ms	0.76 dBm		

Duty Cycle NVNT a 5785MHz Ant1

Spectrum

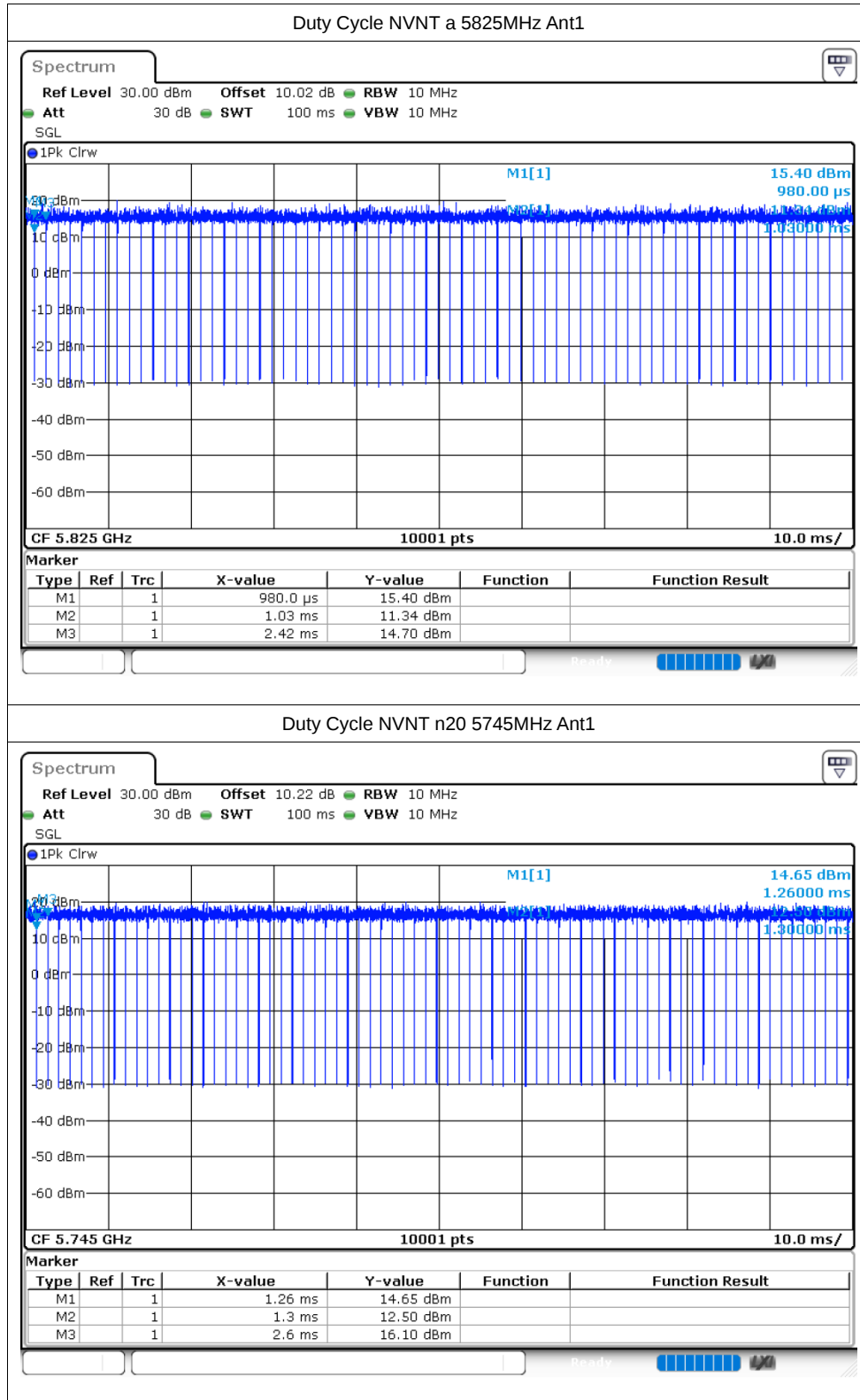
Ref Level 30.00 dBm Offset 9.94 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

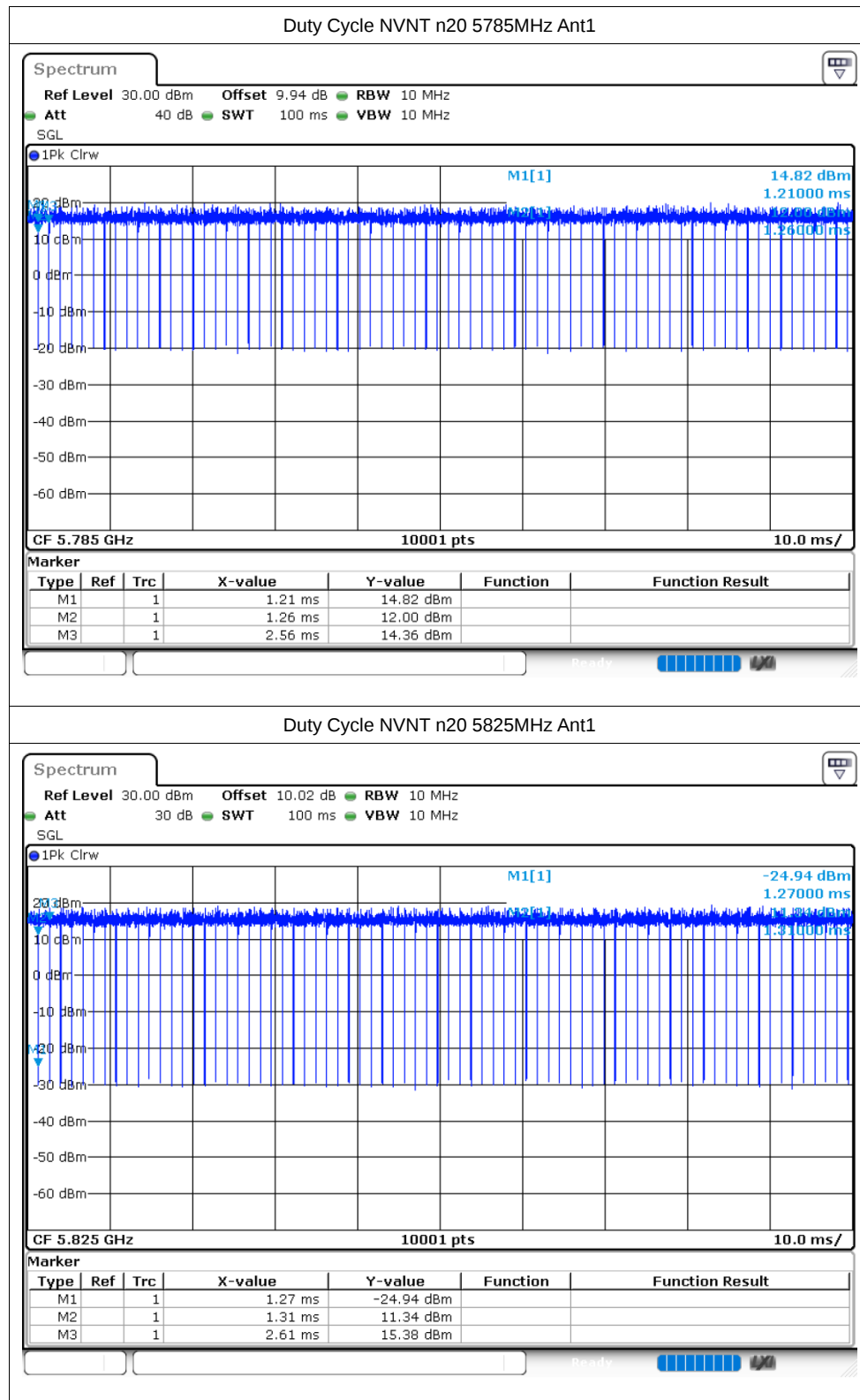
1Pk Clrw

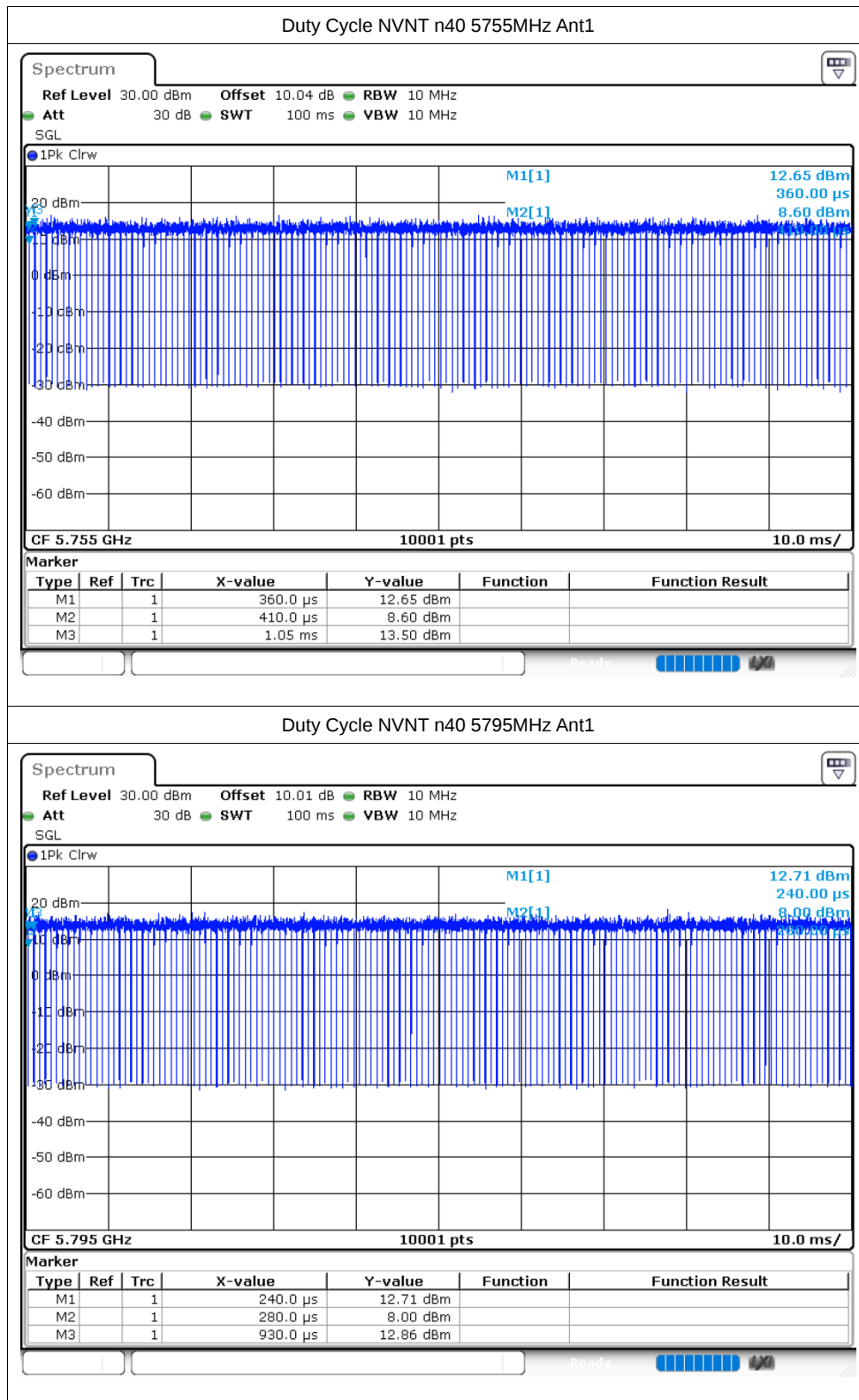


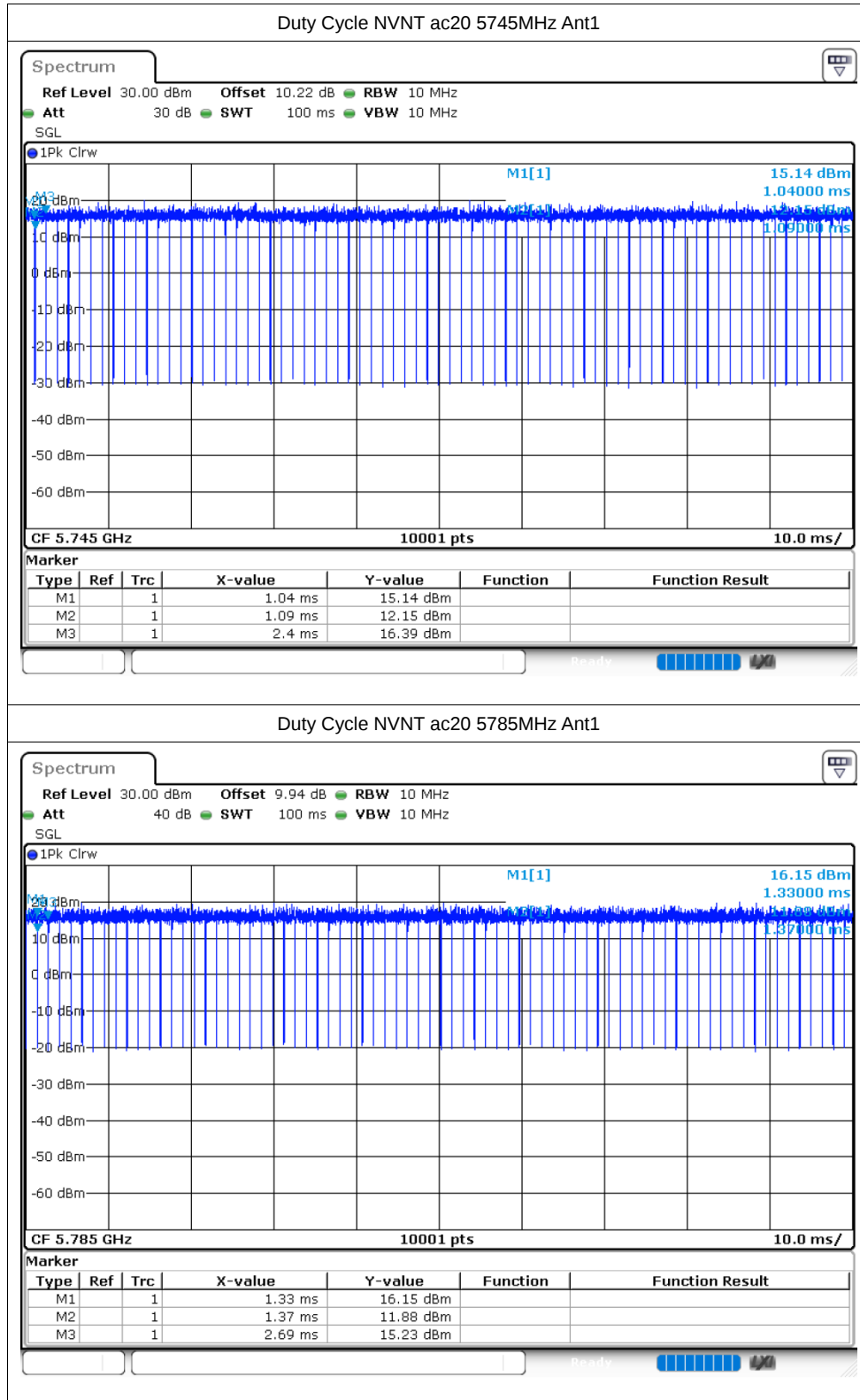
Marker

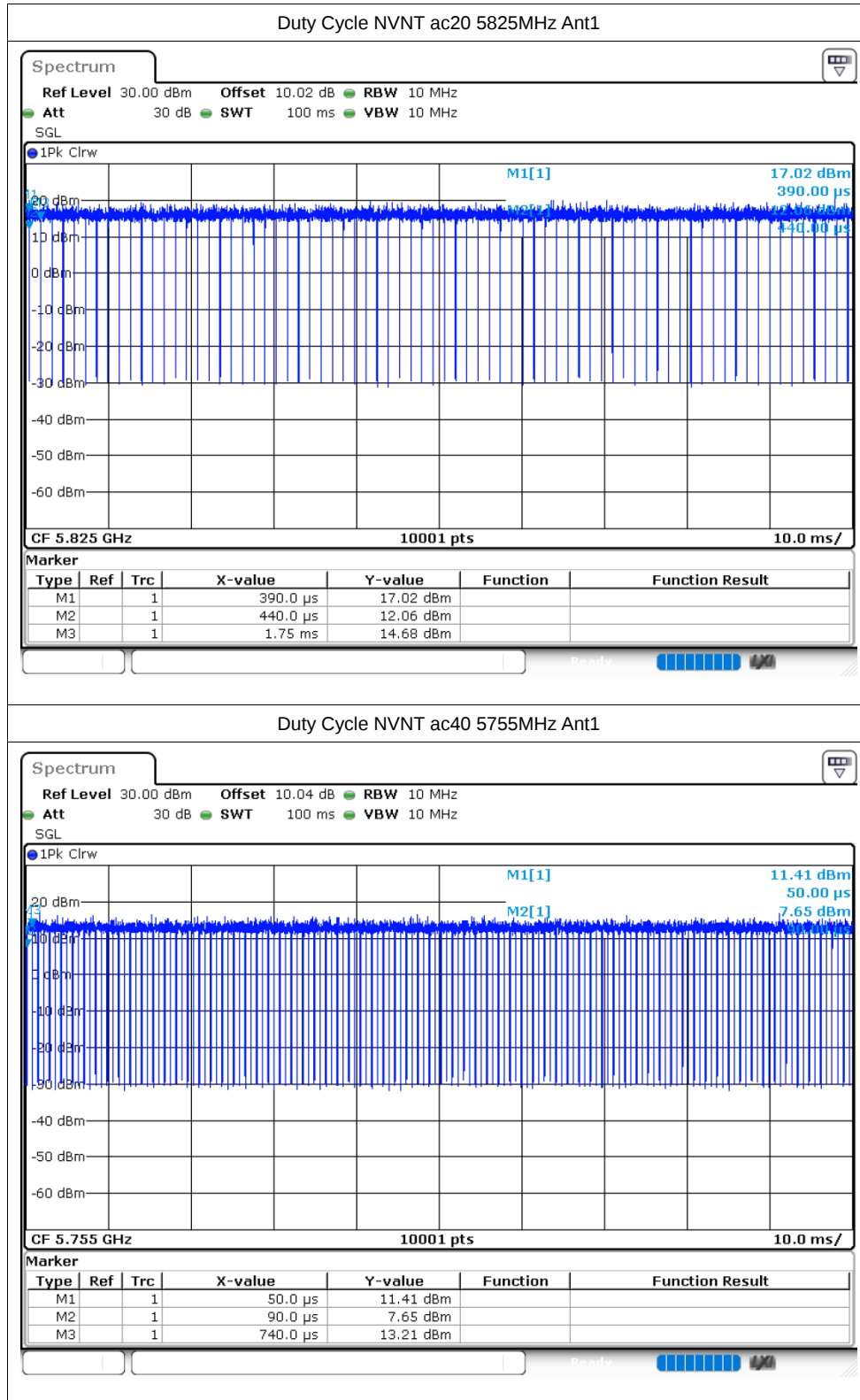
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	940.0 μs	14.21 dBm		
M2		1	980.0 μs	11.60 dBm		
M3		1	2.38 ms	11.52 dBm		

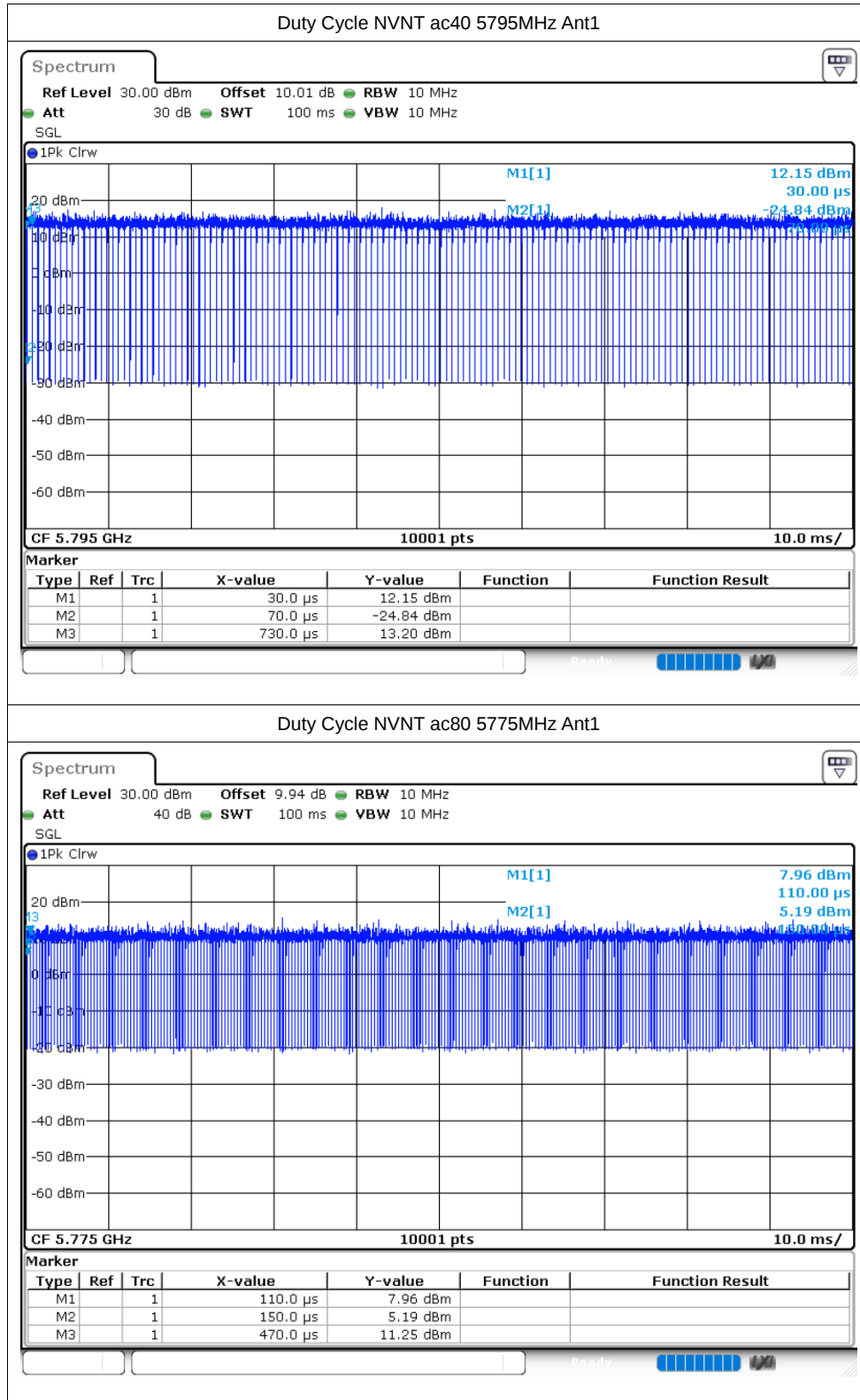












Maximum Conducted Output Power

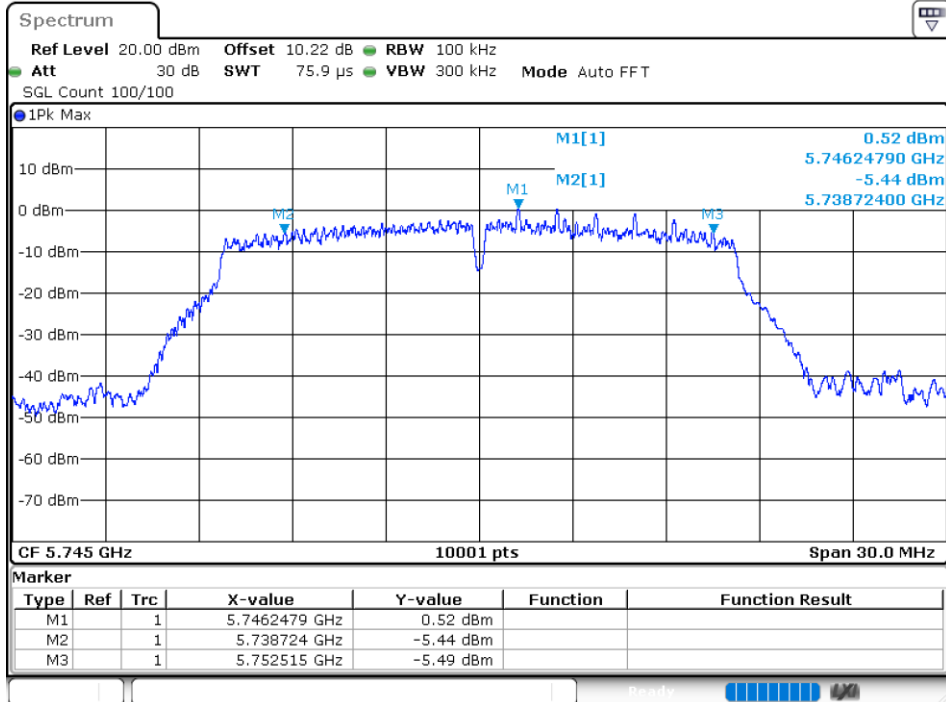
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.63	0.11	9.74	30	Pass
NVNT	a	5785	Ant1	9.53	0.11	9.64	30	Pass
NVNT	a	5825	Ant1	9.47	0.1	9.57	30	Pass
NVNT	n20	5745	Ant1	9.51	0.11	9.62	30	Pass
NVNT	n20	5785	Ant1	9.28	0.11	9.39	30	Pass
NVNT	n20	5825	Ant1	9.21	0.11	9.32	30	Pass
NVNT	n40	5755	Ant1	9.24	0.22	9.46	30	Pass
NVNT	n40	5795	Ant1	9.3	0.22	9.52	30	Pass
NVNT	ac20	5745	Ant1	9.02	0.11	9.13	30	Pass
NVNT	ac20	5785	Ant1	9.29	0.11	9.4	30	Pass
NVNT	ac20	5825	Ant1	9.75	0.11	9.86	30	Pass
NVNT	ac40	5755	Ant1	9.29	0.21	9.5	30	Pass
NVNT	ac40	5795	Ant1	9.28	0.21	9.49	30	Pass
NVNT	ac80	5775	Ant1	9.69	0.42	10.11	30	Pass

-6dB Bandwidth

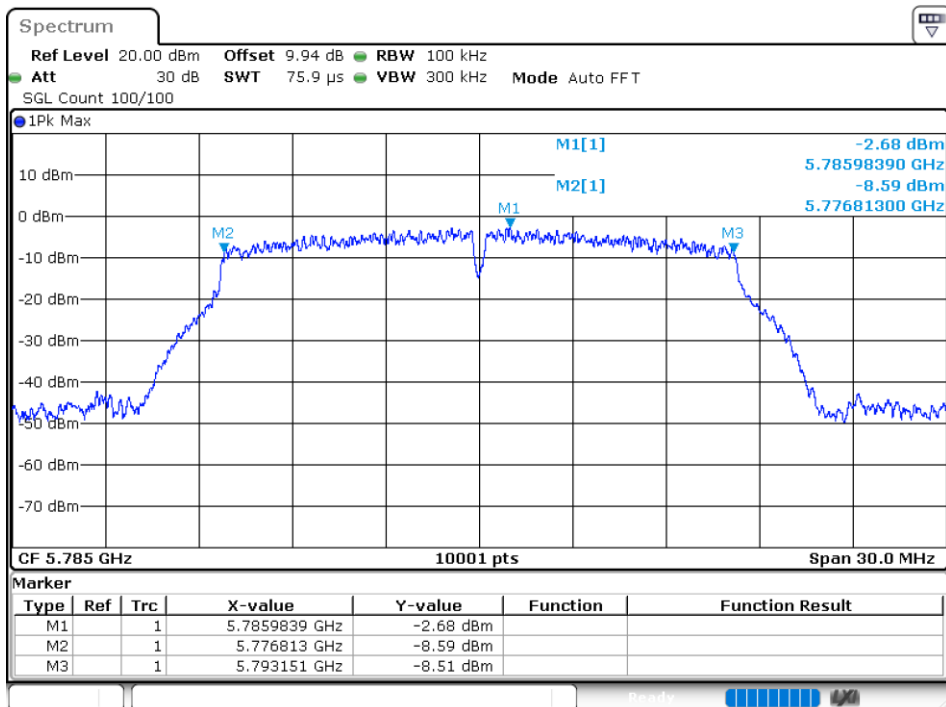
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	13.791	0.5	Pass
NVNT	a	5785	Ant1	16.338	0.5	Pass
NVNT	a	5825	Ant1	16.302	0.5	Pass
NVNT	n20	5745	Ant1	16.662	0.5	Pass
NVNT	n20	5785	Ant1	17.526	0.5	Pass
NVNT	n20	5825	Ant1	17.559	0.5	Pass
NVNT	n40	5755	Ant1	35.058	0.5	Pass
NVNT	n40	5795	Ant1	30.072	0.5	Pass
NVNT	ac20	5745	Ant1	15.027	0.5	Pass
NVNT	ac20	5785	Ant1	15.279	0.5	Pass
NVNT	ac20	5825	Ant1	16.941	0.5	Pass
NVNT	ac40	5755	Ant1	35.106	0.5	Pass
NVNT	ac40	5795	Ant1	31.206	0.5	Pass
NVNT	ac80	5775	Ant1	75.084	0.5	Pass

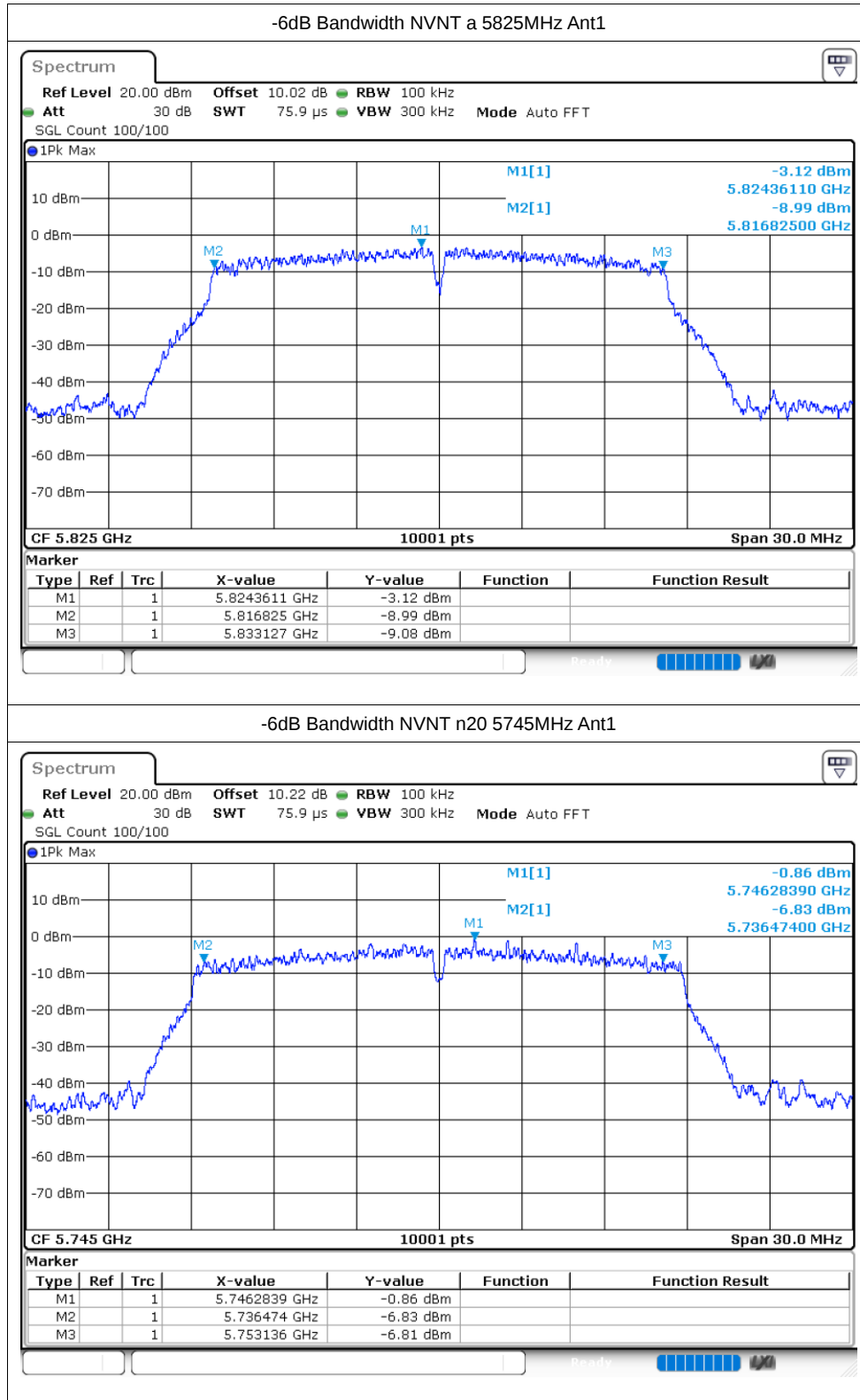
Test Graphs

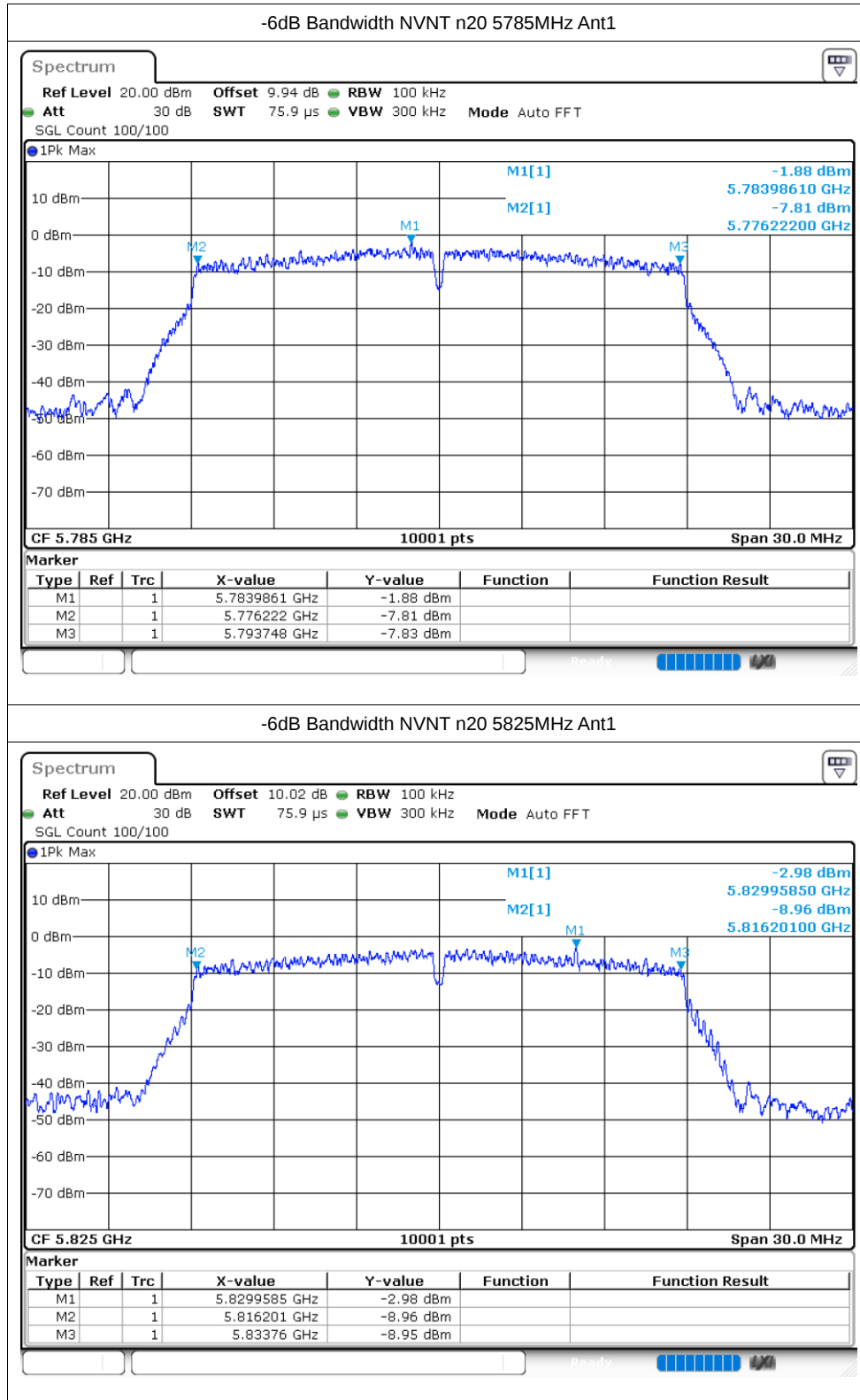
-6dB Bandwidth NVNT a 5745MHz Ant1

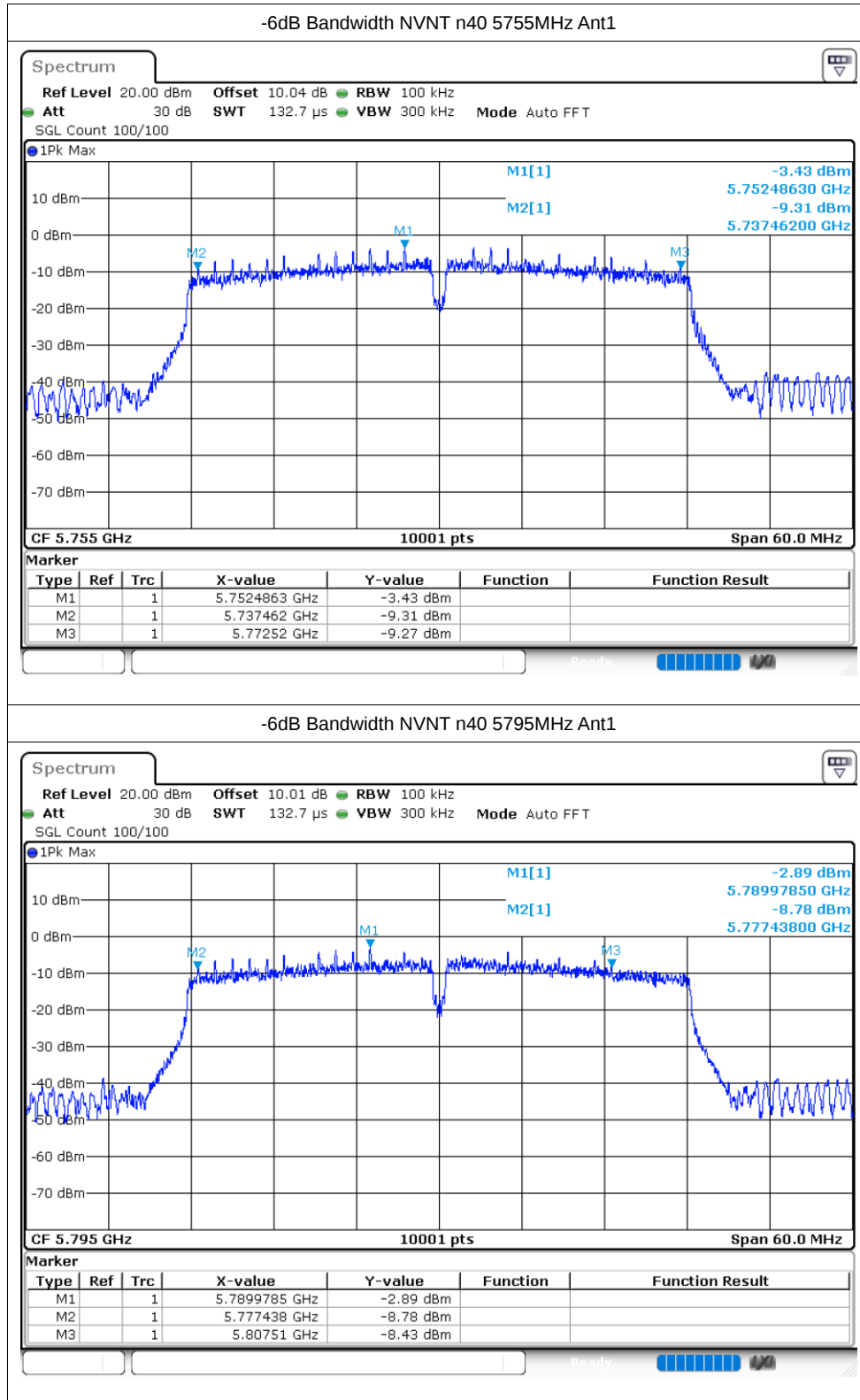


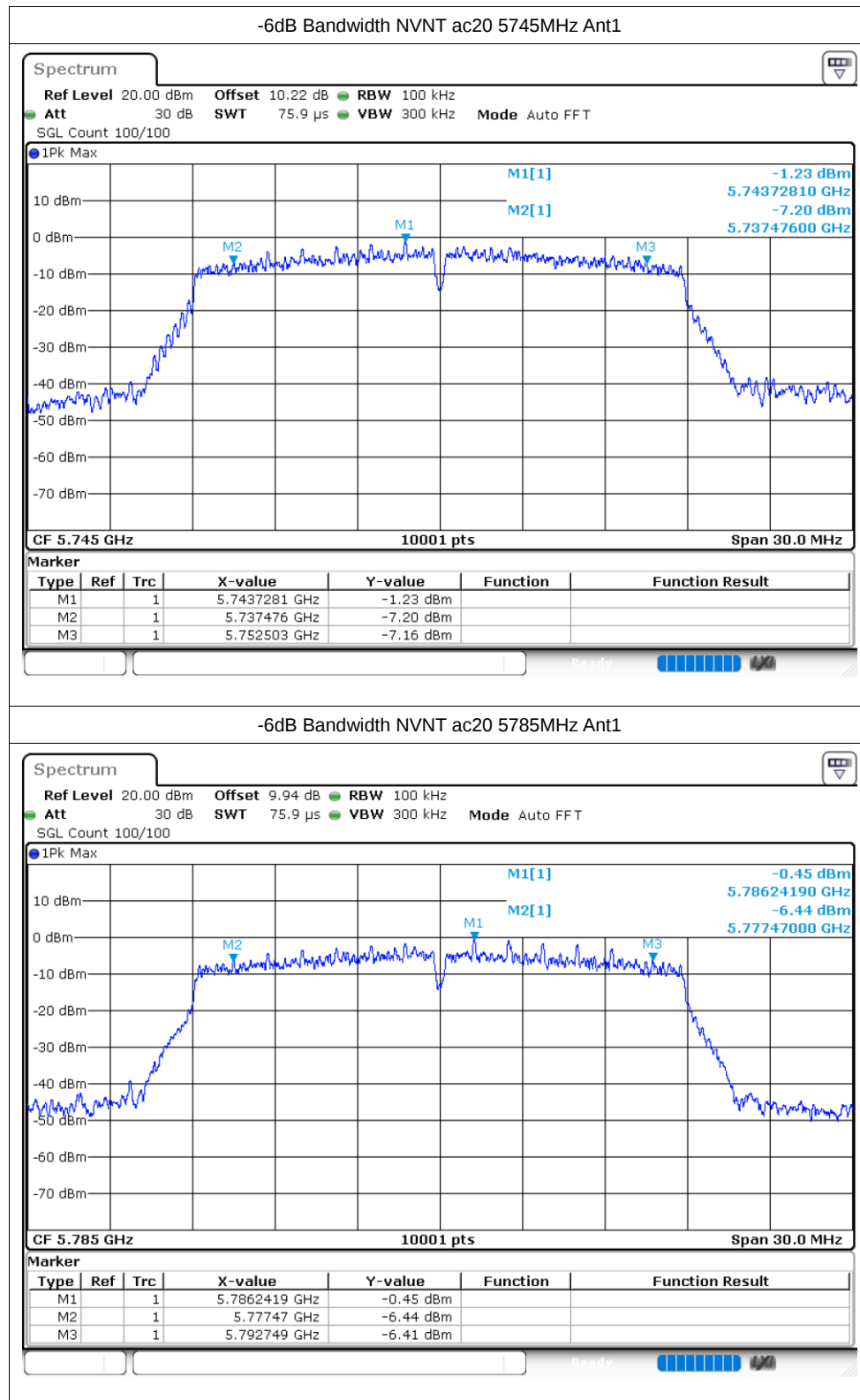
-6dB Bandwidth NVNT a 5785MHz Ant1

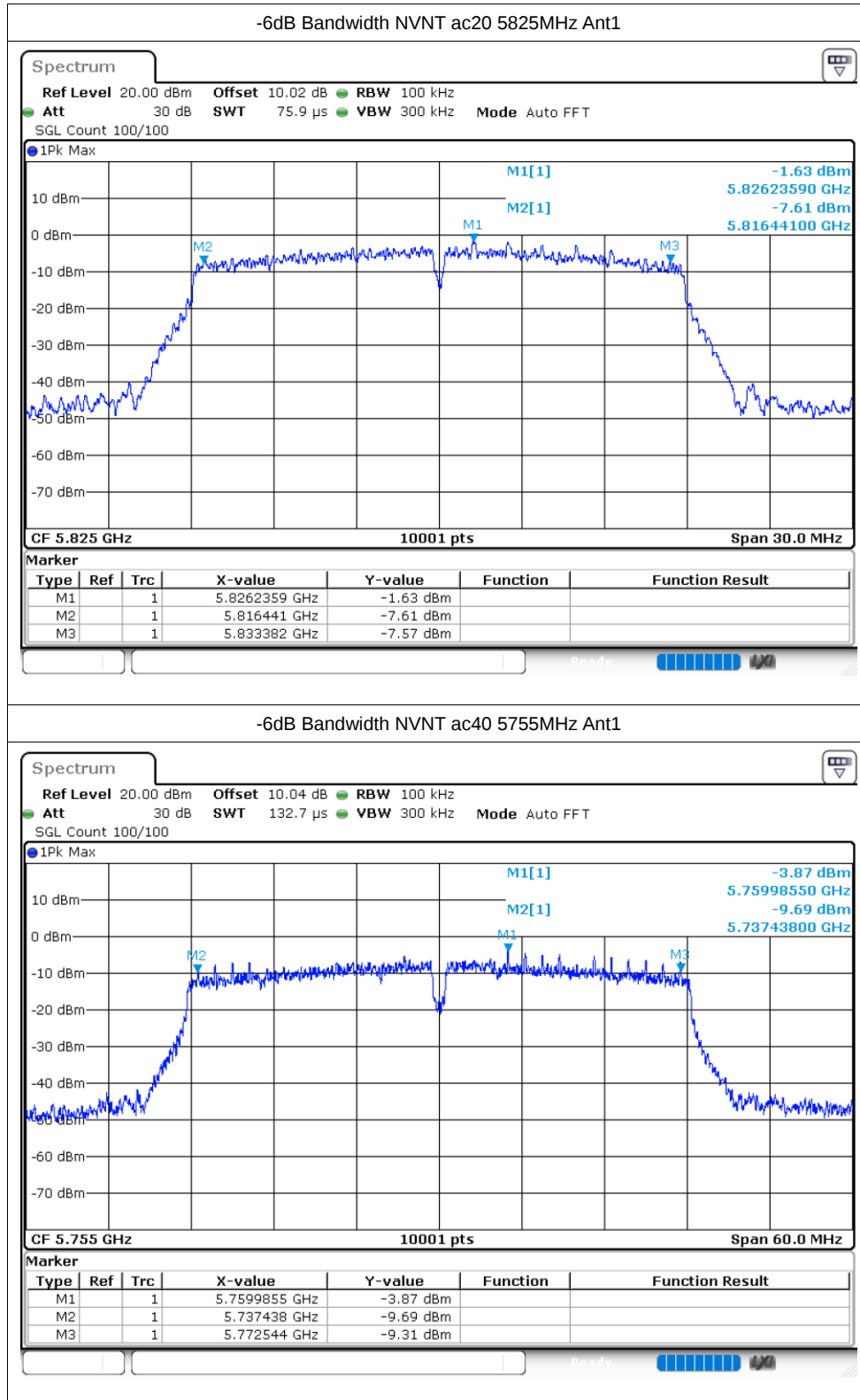


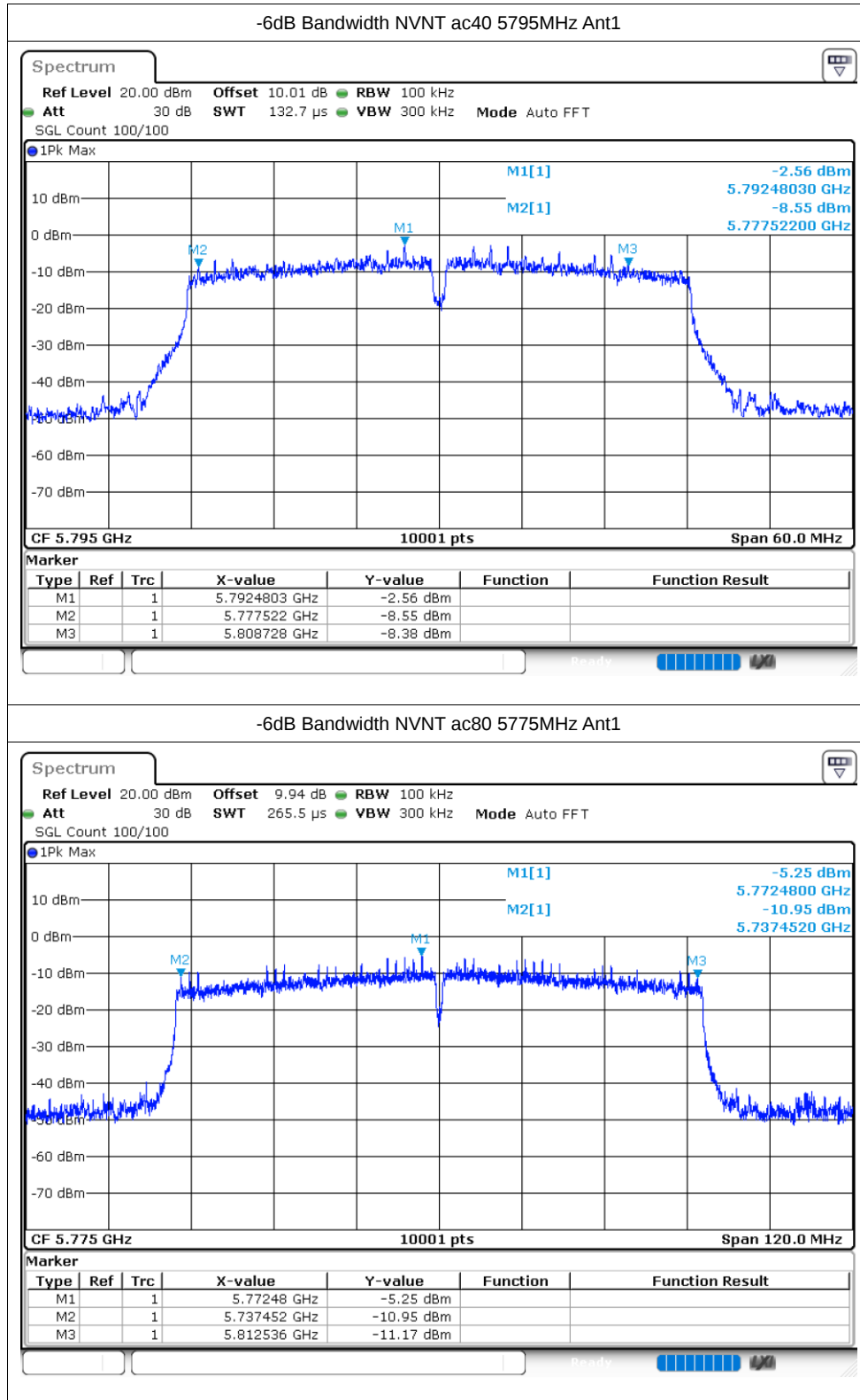










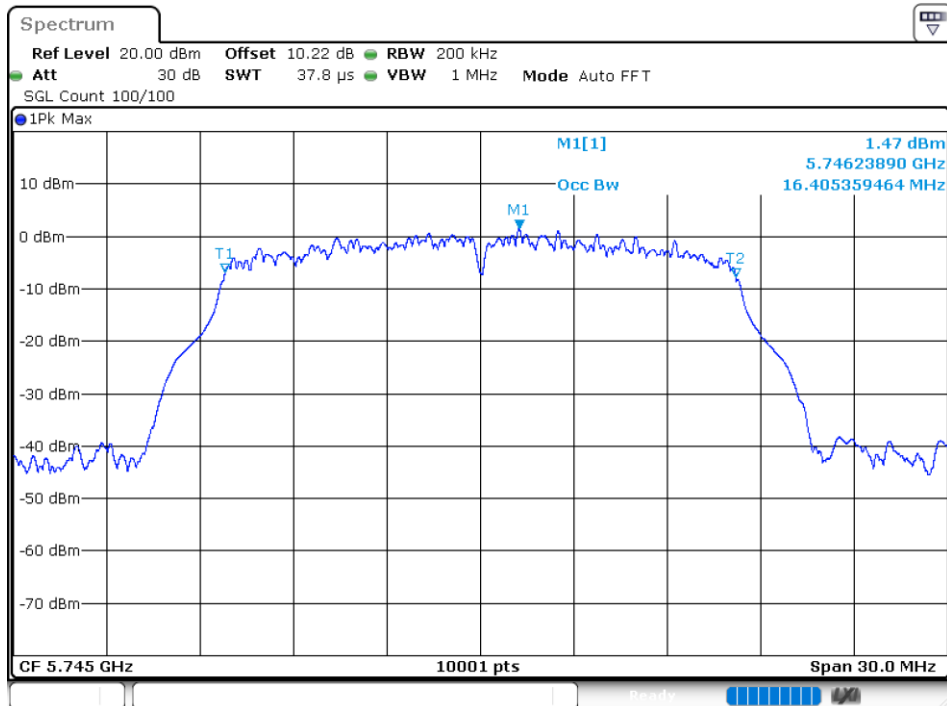


Occupied Channel Bandwidth

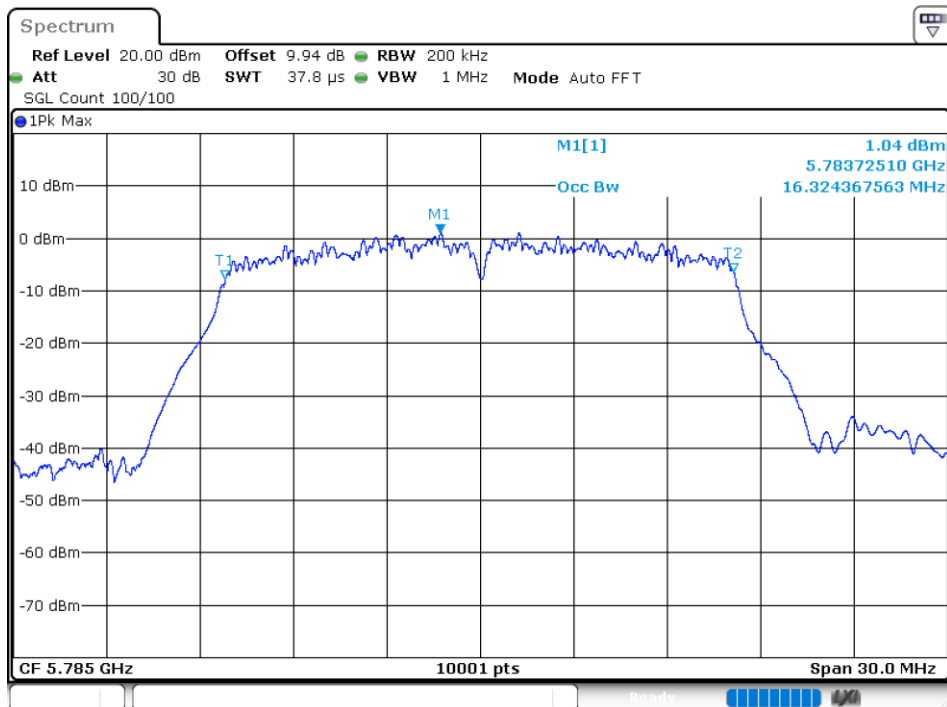
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.405
NVNT	a	5785	Ant1	16.324
NVNT	a	5825	Ant1	16.312
NVNT	n20	5745	Ant1	17.506
NVNT	n20	5785	Ant1	17.551
NVNT	n20	5825	Ant1	17.464
NVNT	n40	5755	Ant1	36.032
NVNT	n40	5795	Ant1	36.008
NVNT	ac20	5745	Ant1	17.536
NVNT	ac20	5785	Ant1	17.569
NVNT	ac20	5825	Ant1	17.524
NVNT	ac40	5755	Ant1	36.026
NVNT	ac40	5795	Ant1	36.002
NVNT	ac80	5775	Ant1	75.076

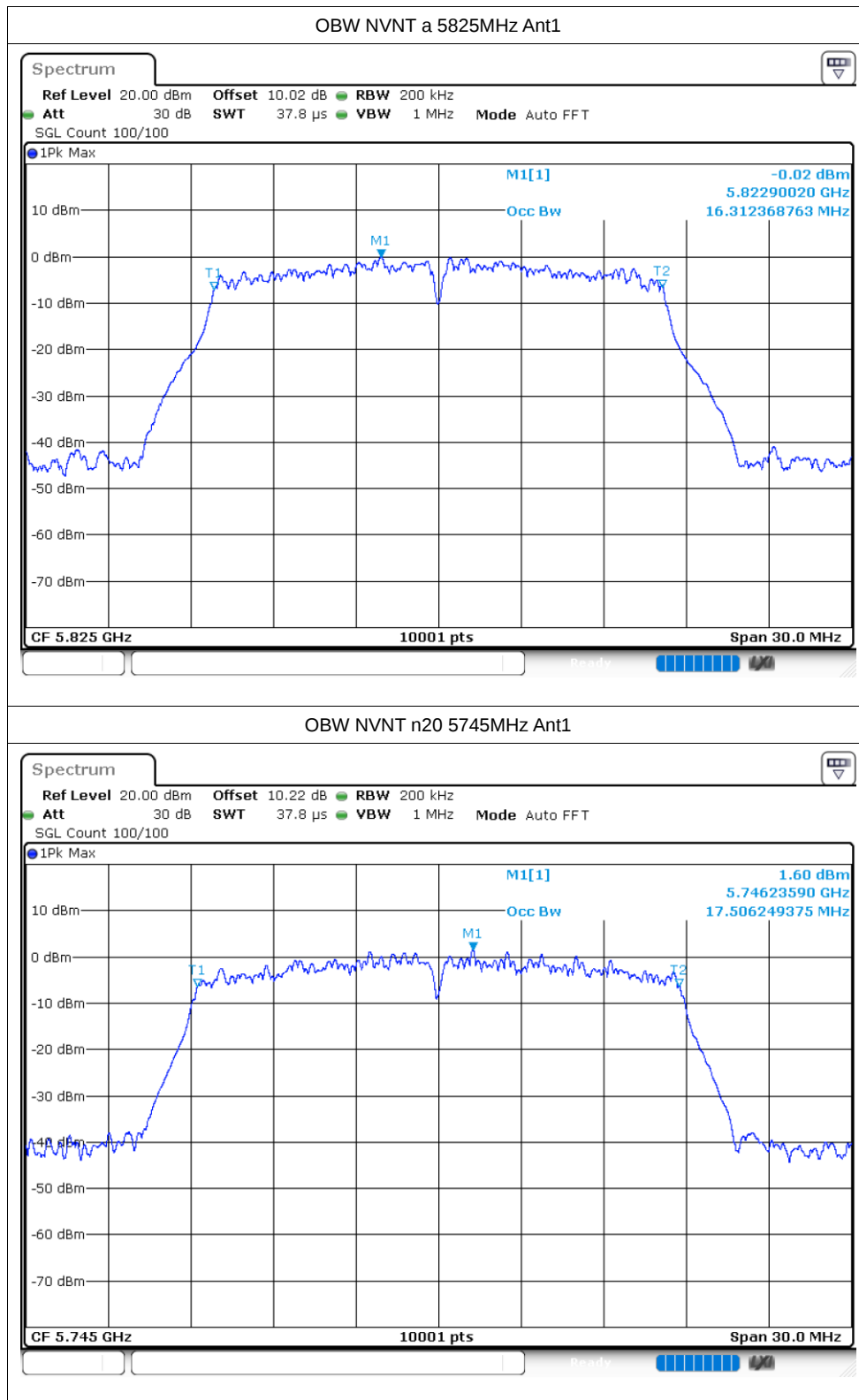
Test Graphs

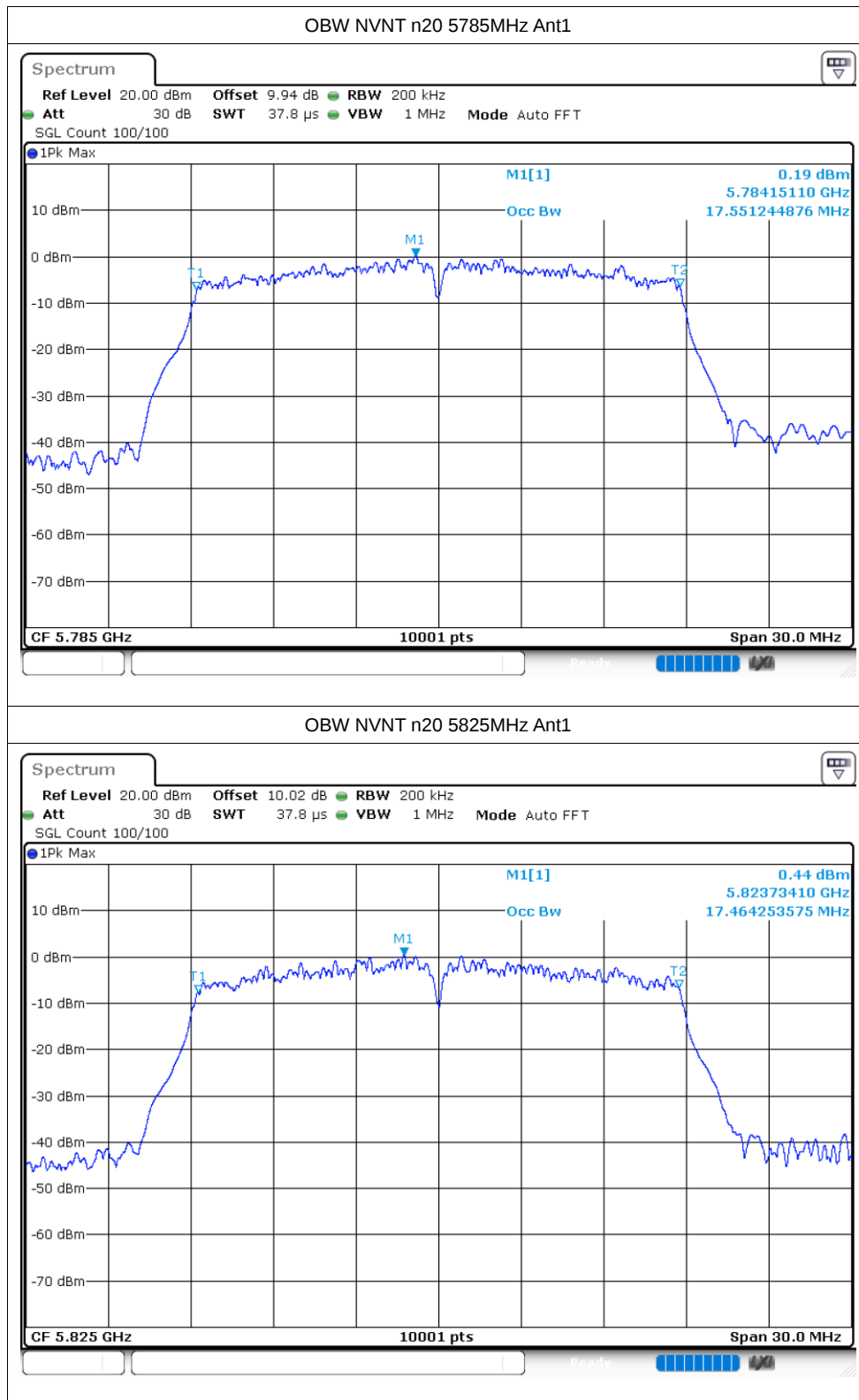
OBW NVNT a 5745MHz Ant1

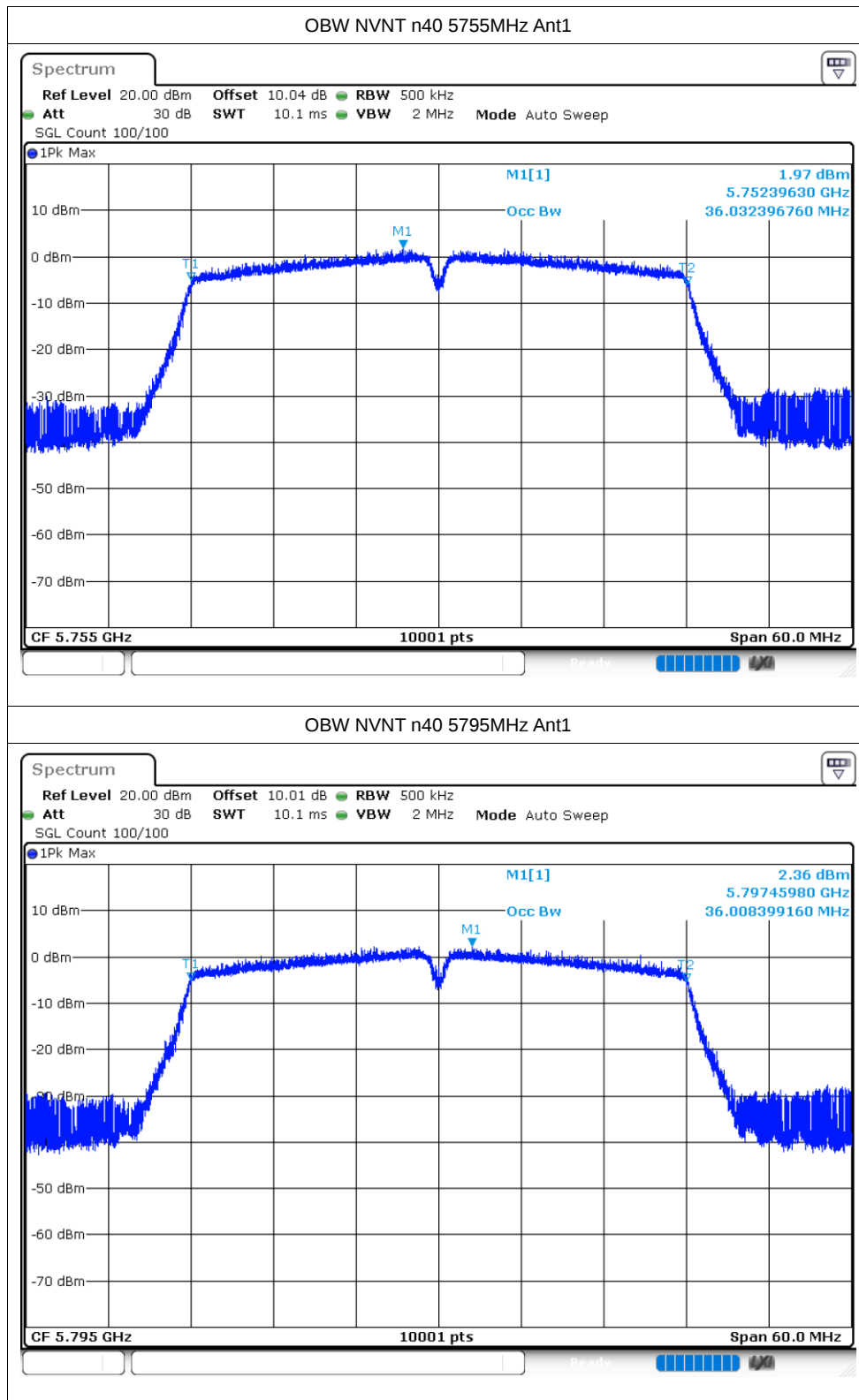


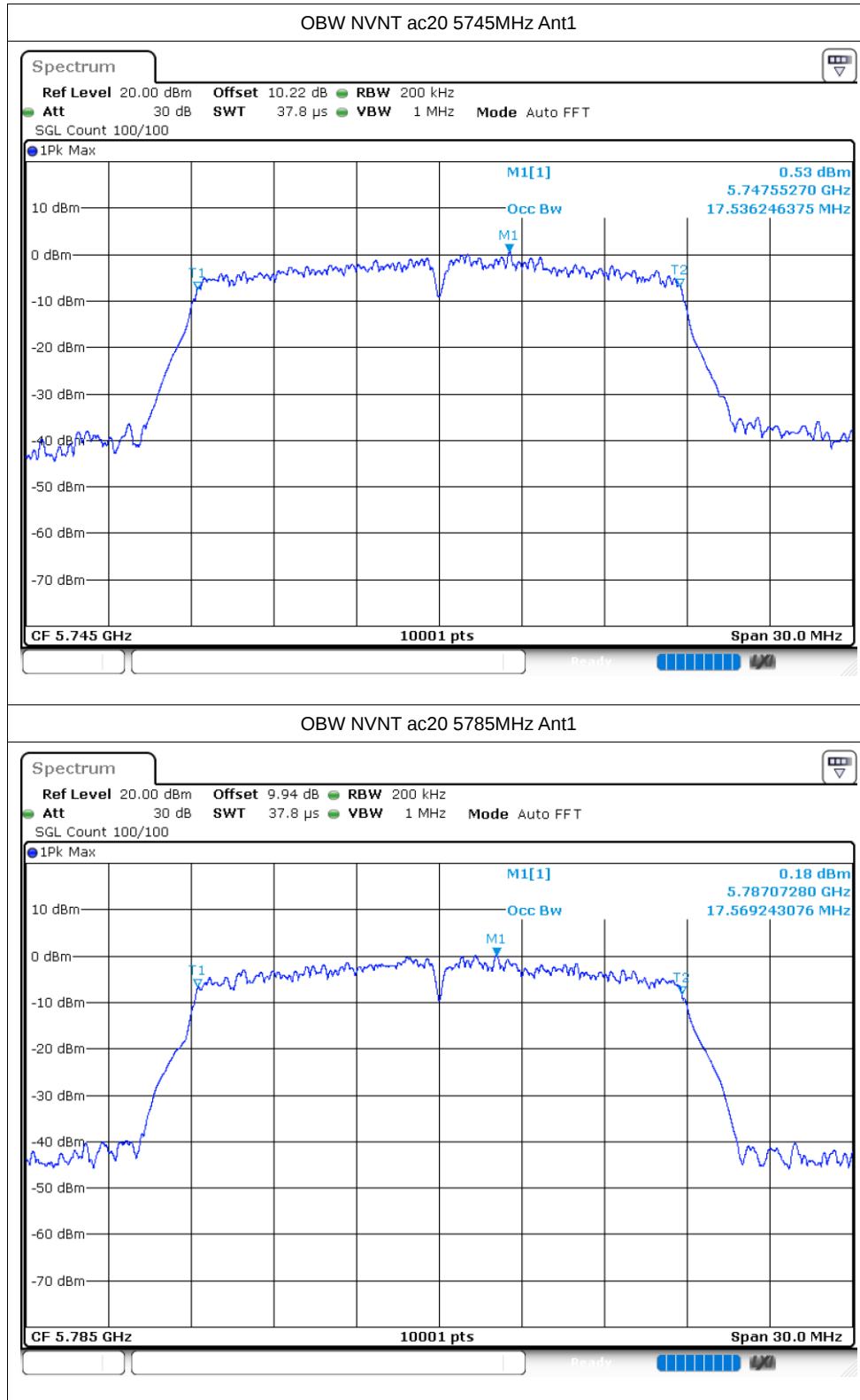
OBW NVNT a 5785MHz Ant1

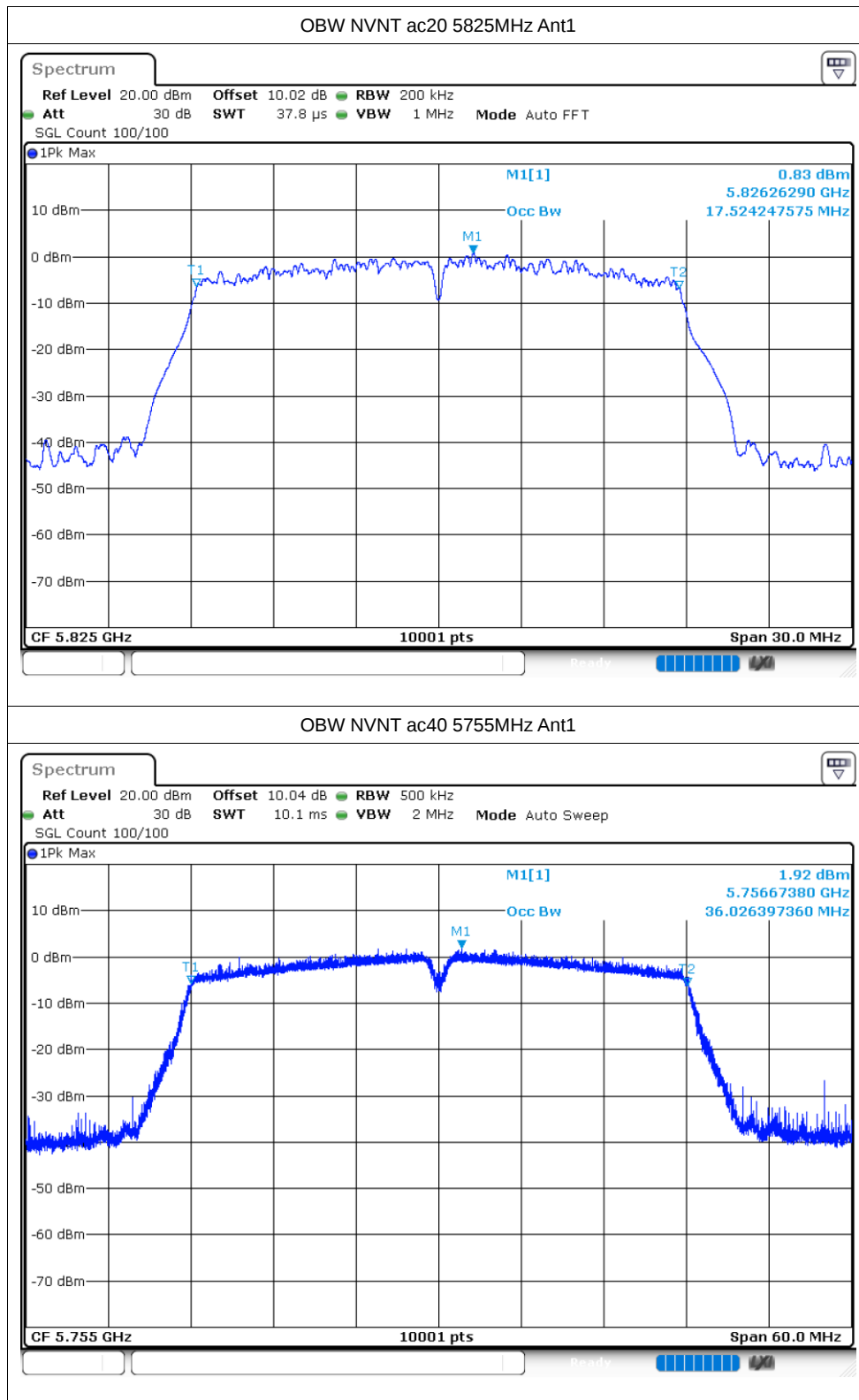


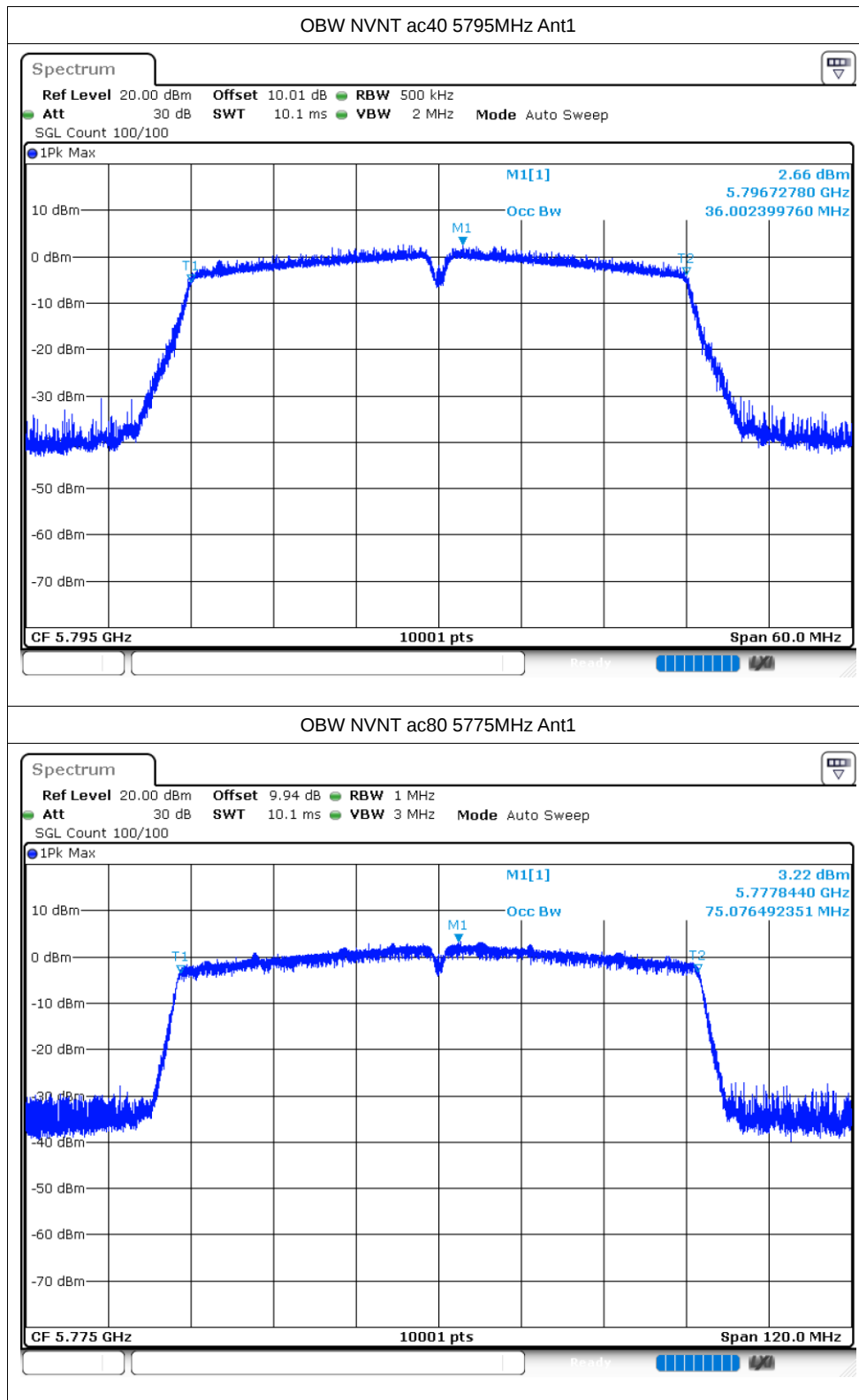










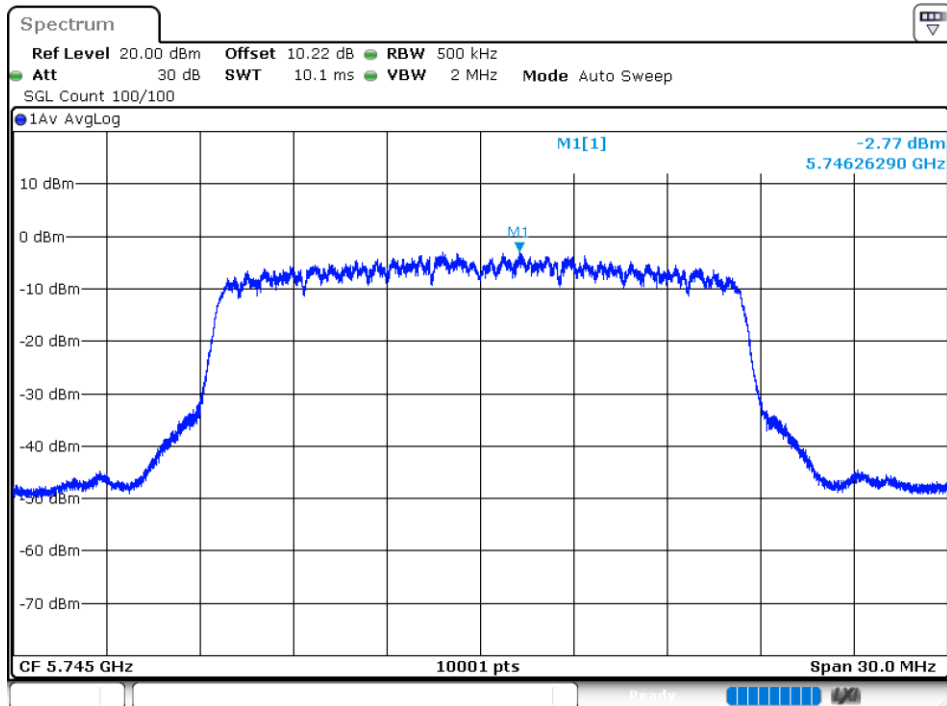


Maximum Power Spectral Density Level

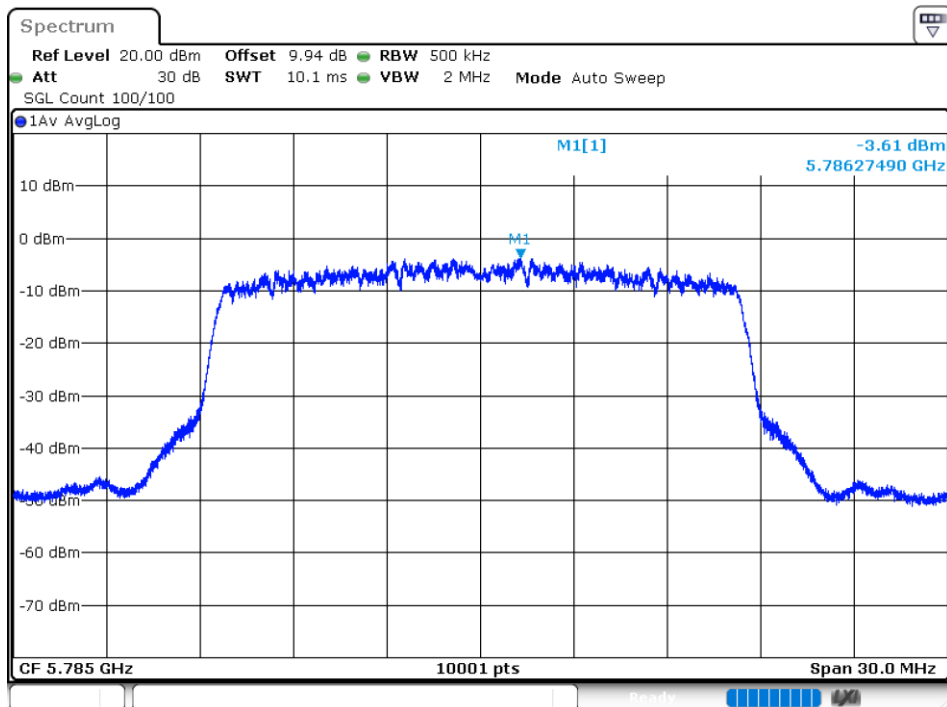
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-2.77	0.11	-2.66	30	Pass
NVNT	a	5785	Ant1	-3.61	0.11	-3.5	30	Pass
NVNT	a	5825	Ant1	-4.09	0.1	-3.99	30	Pass
NVNT	n20	5745	Ant1	-3.63	0.11	-3.52	30	Pass
NVNT	n20	5785	Ant1	-4.04	0.11	-3.93	30	Pass
NVNT	n20	5825	Ant1	-4.55	0.11	-4.44	30	Pass
NVNT	n40	5755	Ant1	-7.46	0.22	-7.24	30	Pass
NVNT	n40	5795	Ant1	-7.66	0.22	-7.44	30	Pass
NVNT	ac20	5745	Ant1	-4.12	0.11	-4.01	30	Pass
NVNT	ac20	5785	Ant1	-3.91	0.11	-3.8	30	Pass
NVNT	ac20	5825	Ant1	-4.25	0.11	-4.14	30	Pass
NVNT	ac40	5755	Ant1	-7.6	0.21	-7.39	30	Pass
NVNT	ac40	5795	Ant1	-7.22	0.21	-7.01	30	Pass
NVNT	ac80	5775	Ant1	-11.96	0.42	-11.54	30	Pass

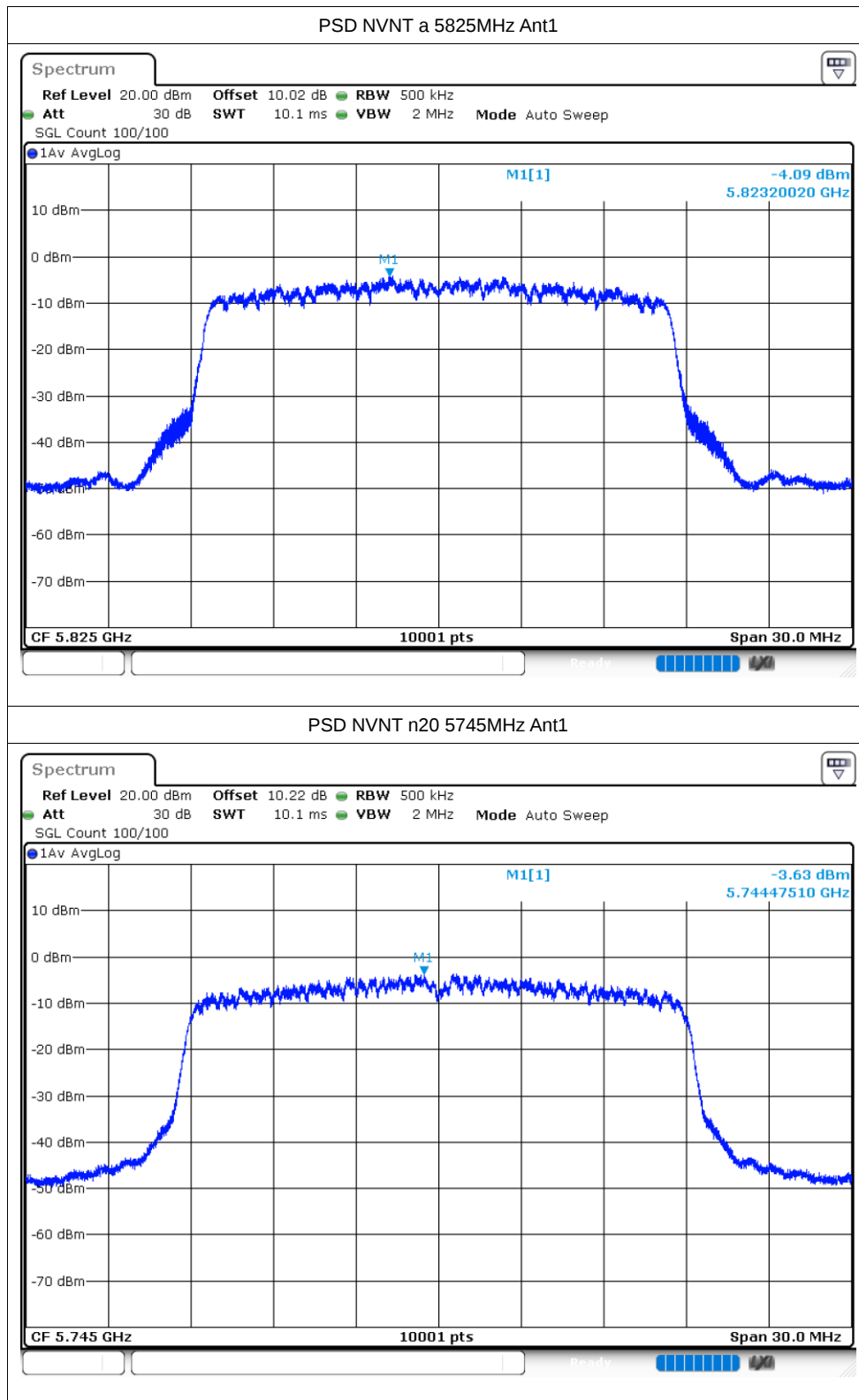
Test Graphs

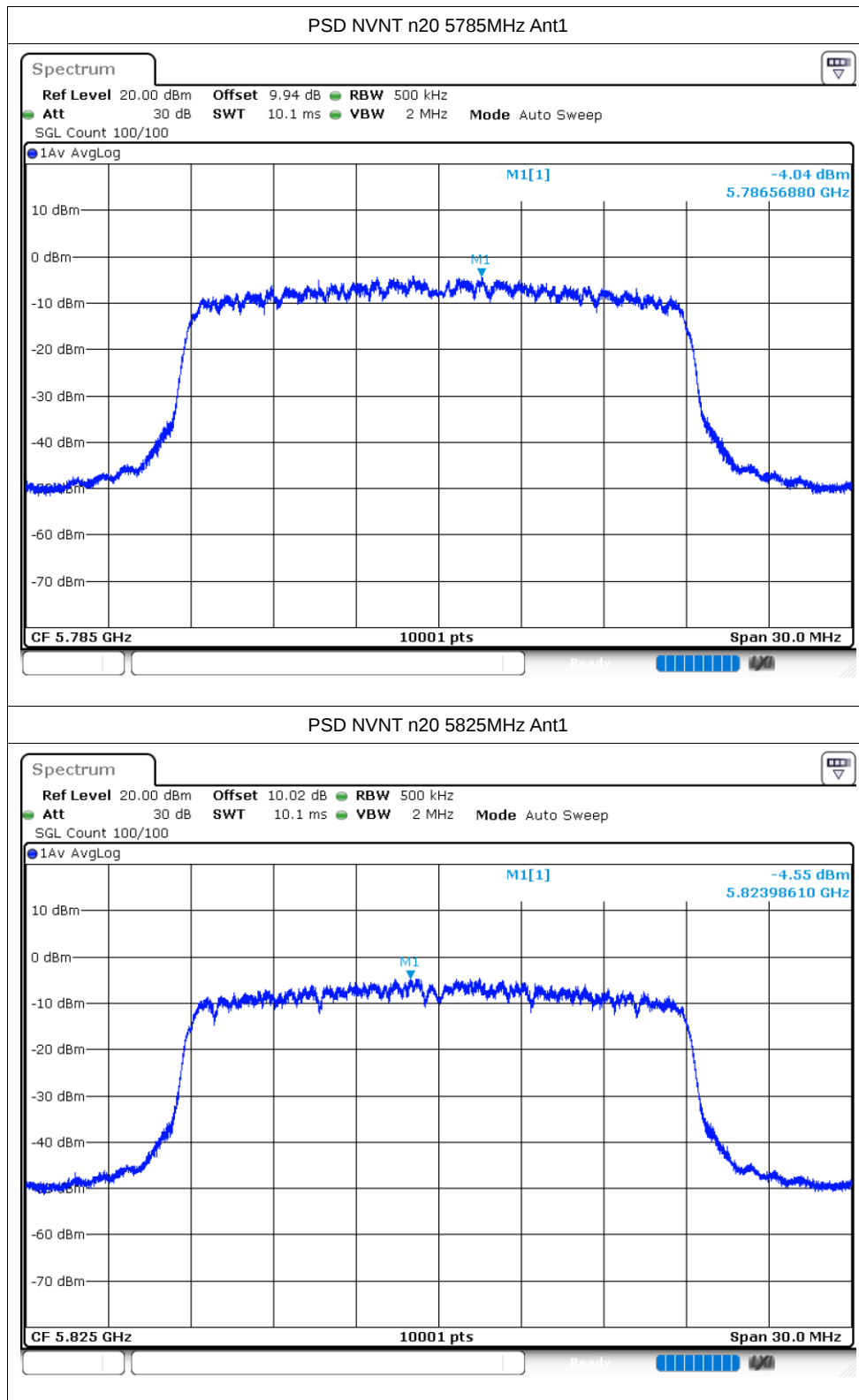
PSD NVNT a 5745MHz Ant1

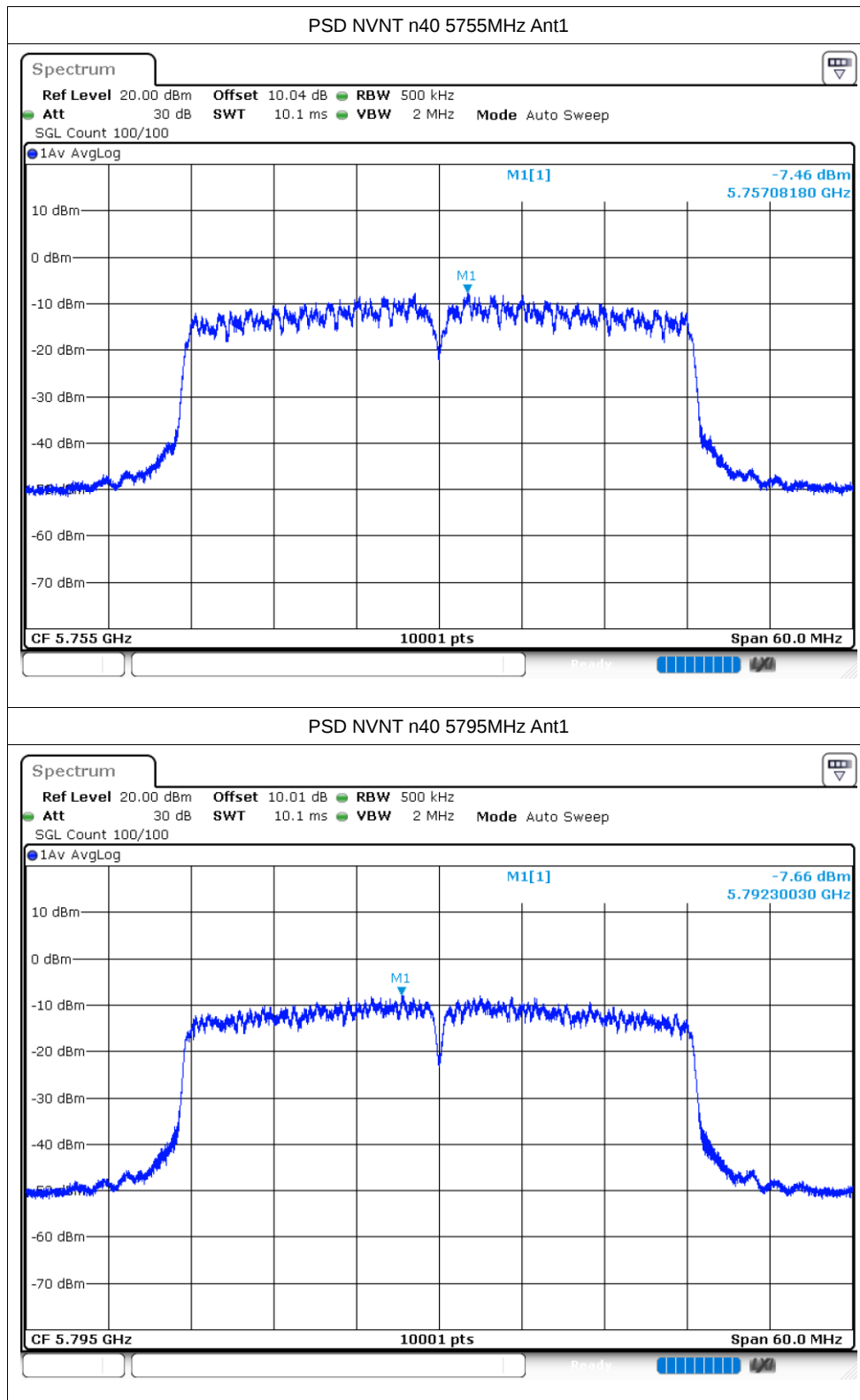


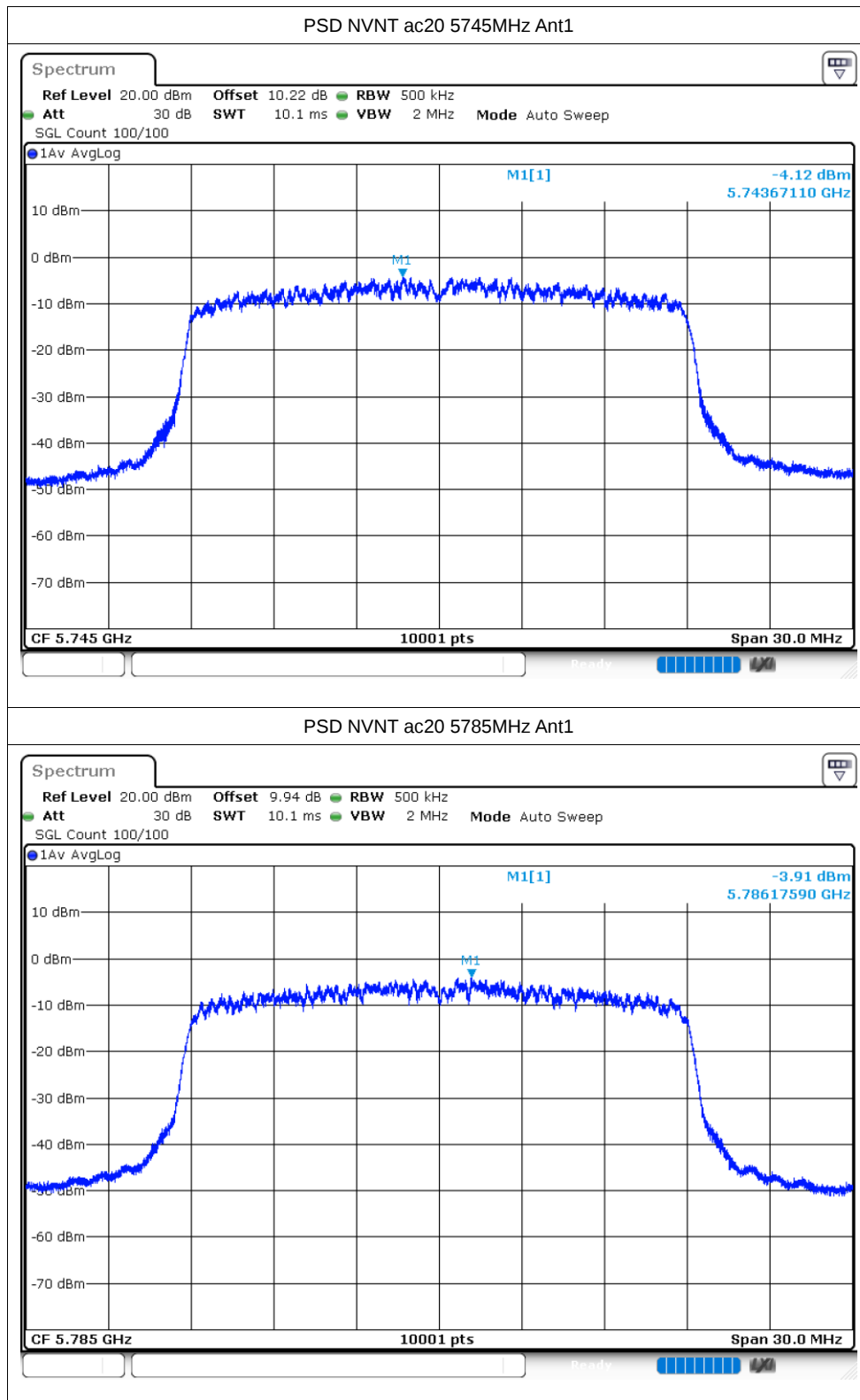
PSD NVNT a 5785MHz Ant1

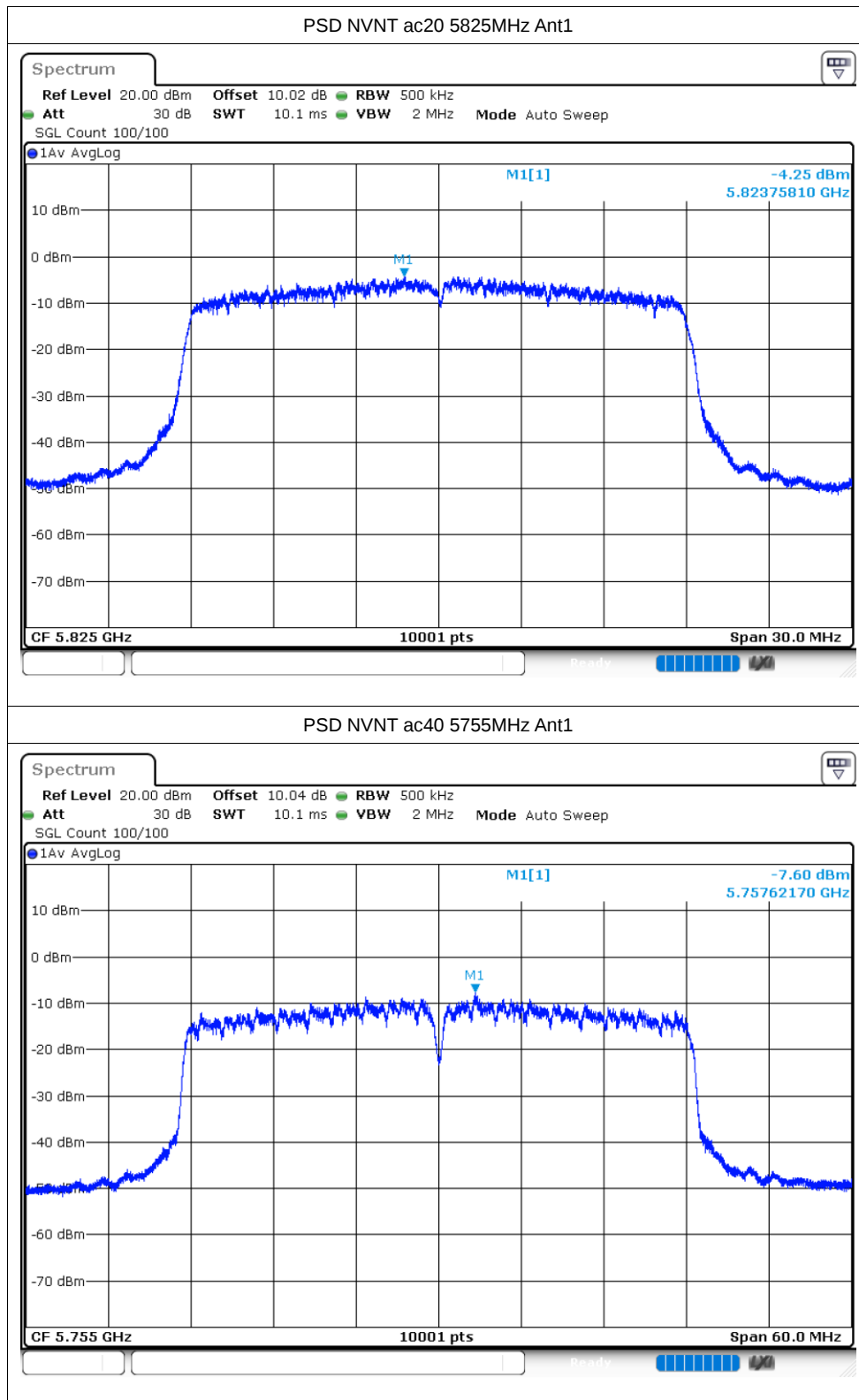


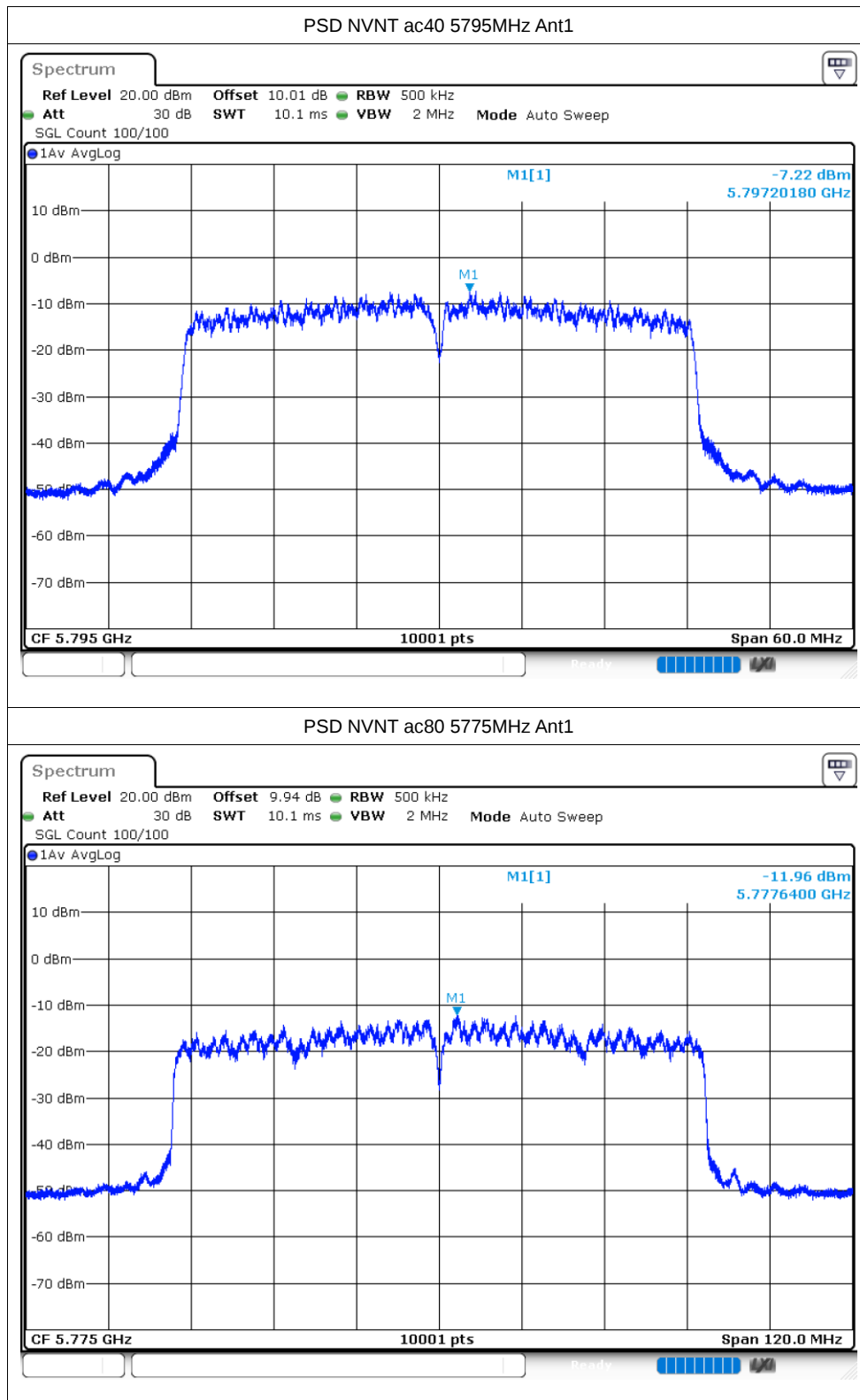










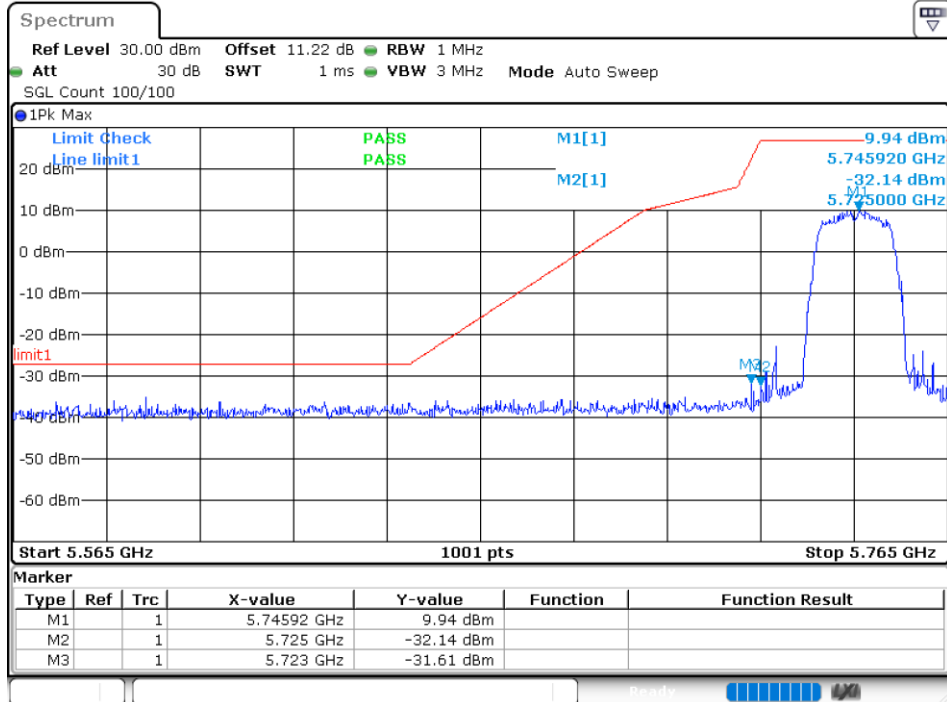


Band Edge

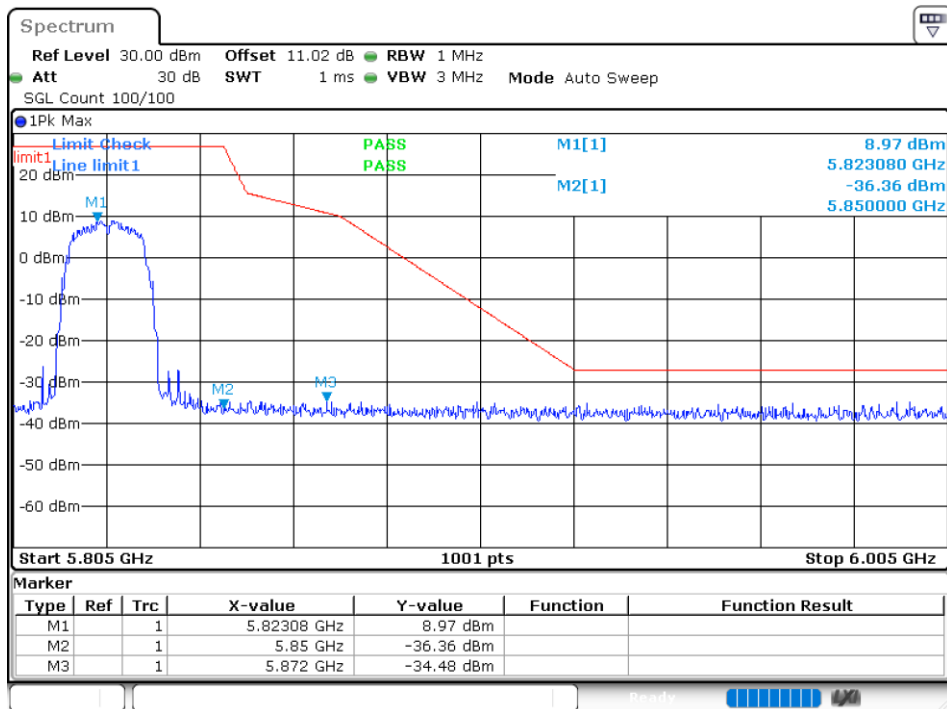
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-31.6	Pass
NVNT	a	5825	Ant1	-34.48	Pass
NVNT	n20	5745	Ant1	-24.97	Pass
NVNT	n20	5825	Ant1	-34.18	Pass
NVNT	n40	5755	Ant1	-24.31	Pass
NVNT	n40	5795	Ant1	-34.02	Pass
NVNT	ac20	5745	Ant1	-34.53	Pass
NVNT	ac20	5825	Ant1	-33.12	Pass
NVNT	ac40	5755	Ant1	-31.38	Pass
NVNT	ac40	5795	Ant1	-34.85	Pass
NVNT	ac80	5775	Ant1	-31.32	Pass
NVNT	ac80	5775	Ant1	-30	Pass

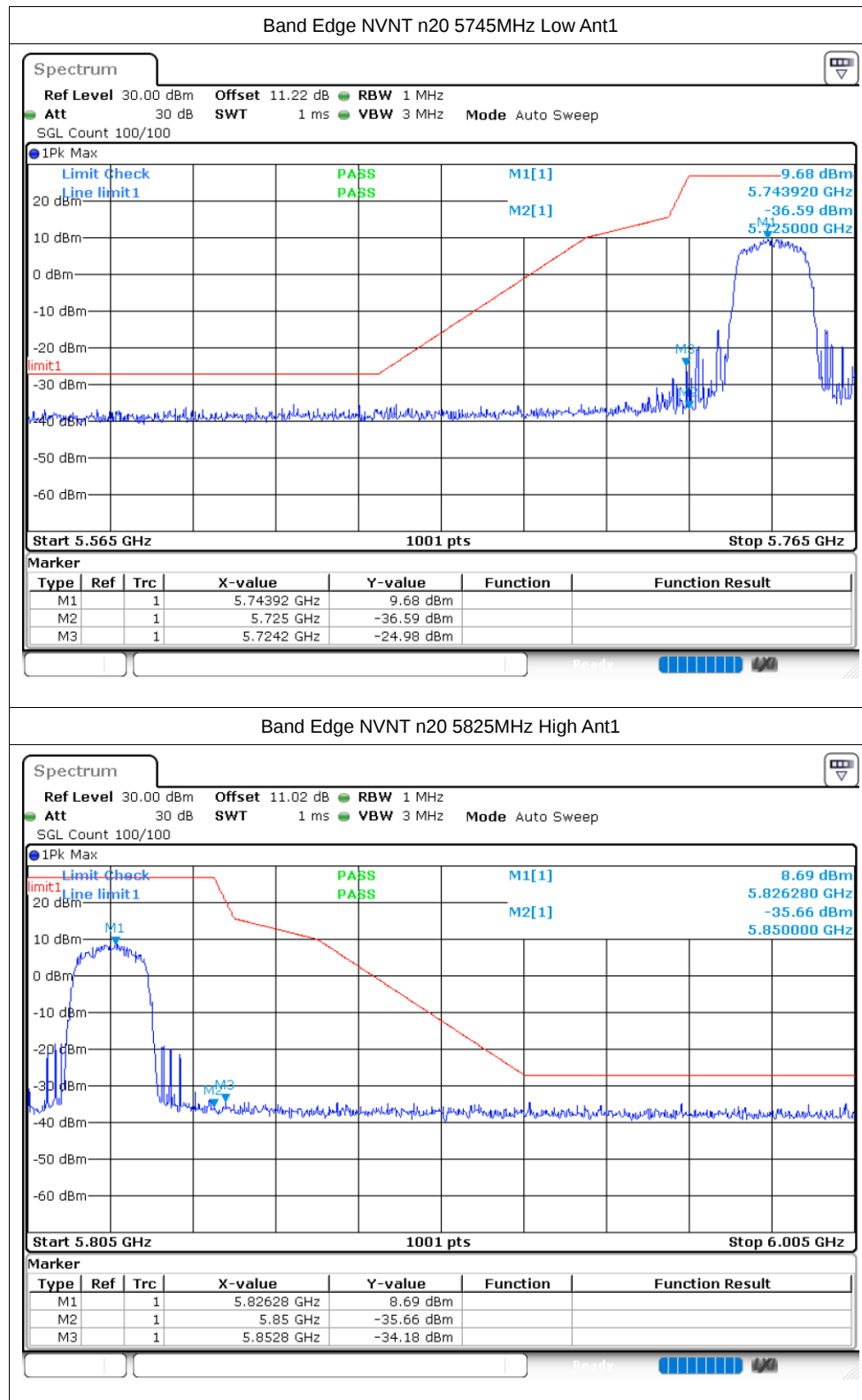
Test Graphs

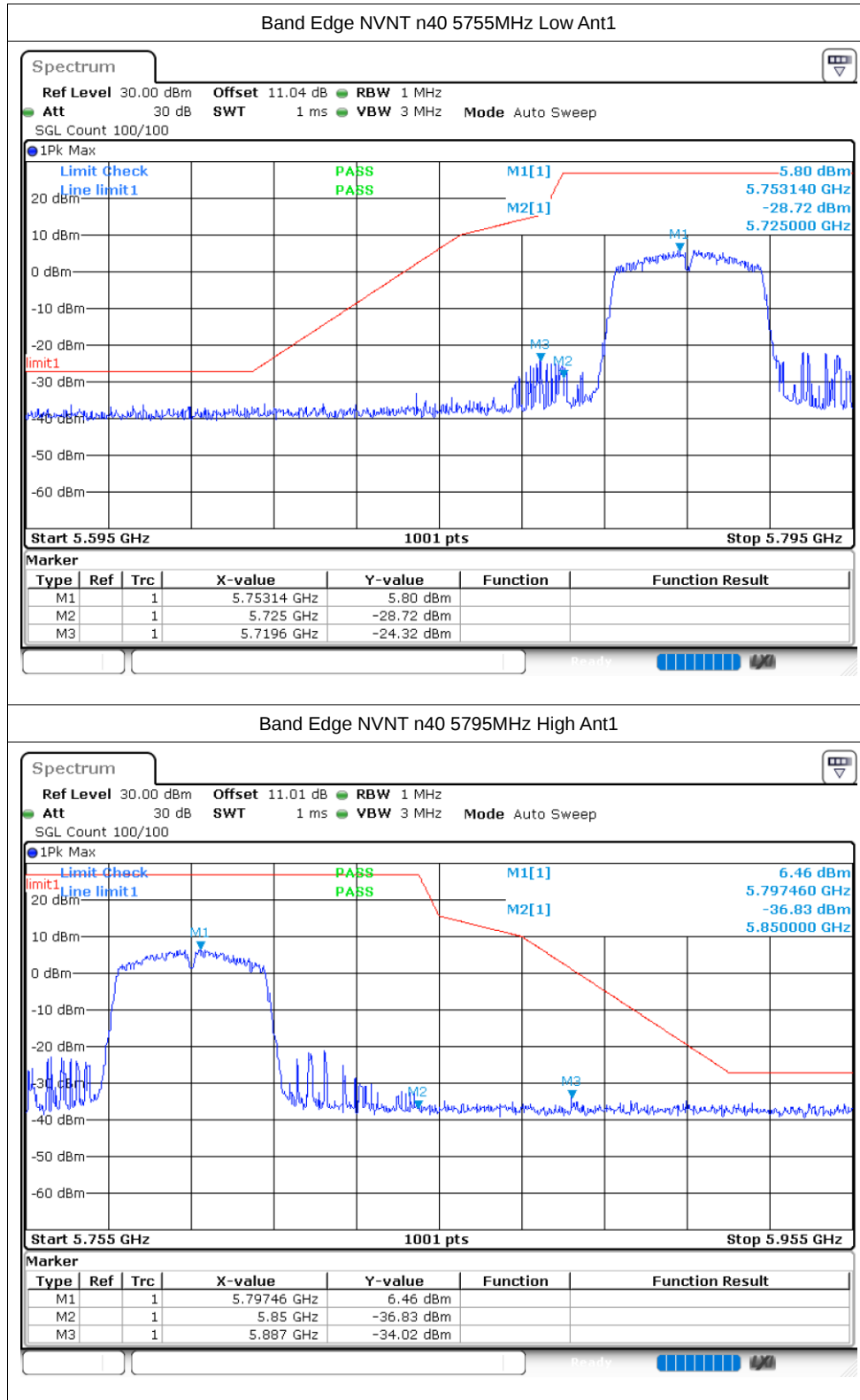
Band Edge NVNT a 5745MHz Low Ant1

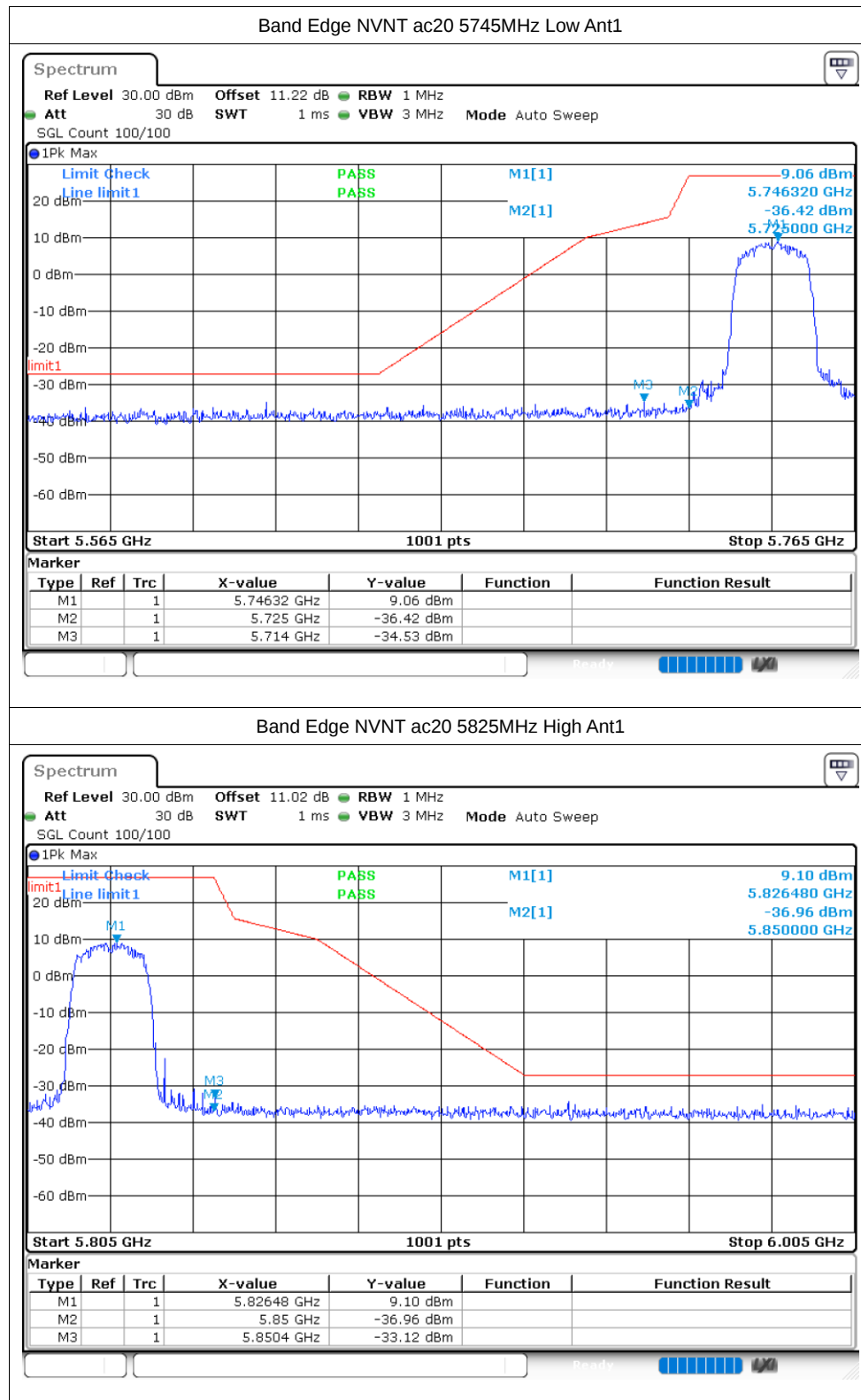


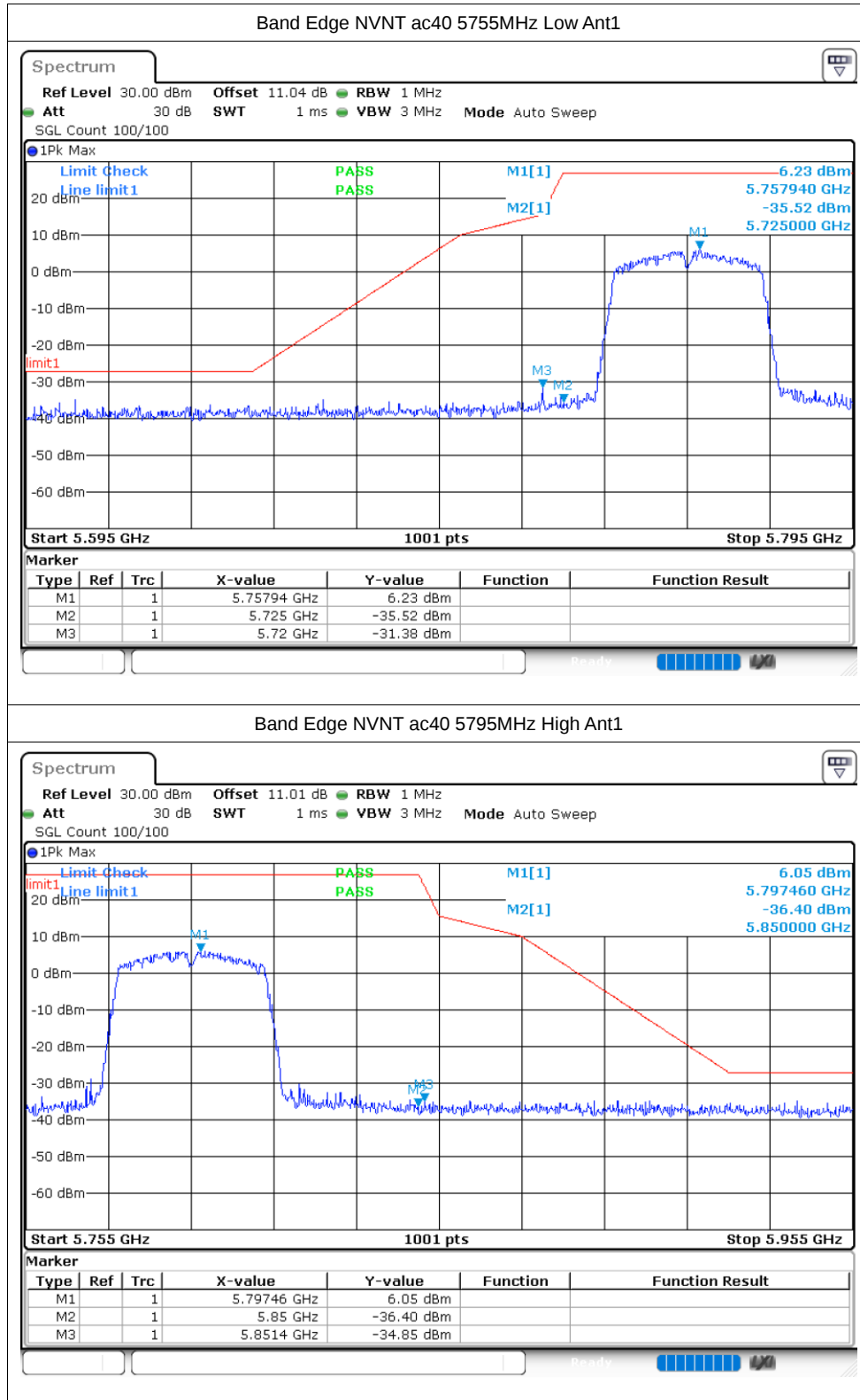
Band Edge NVNT a 5825MHz High Ant1

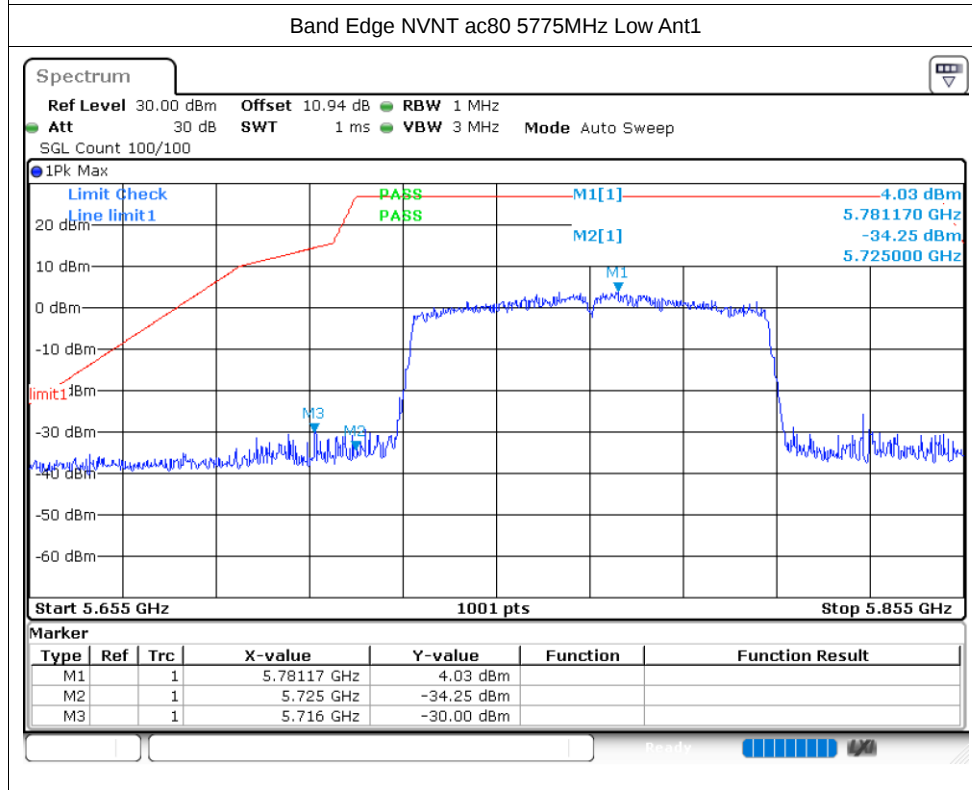
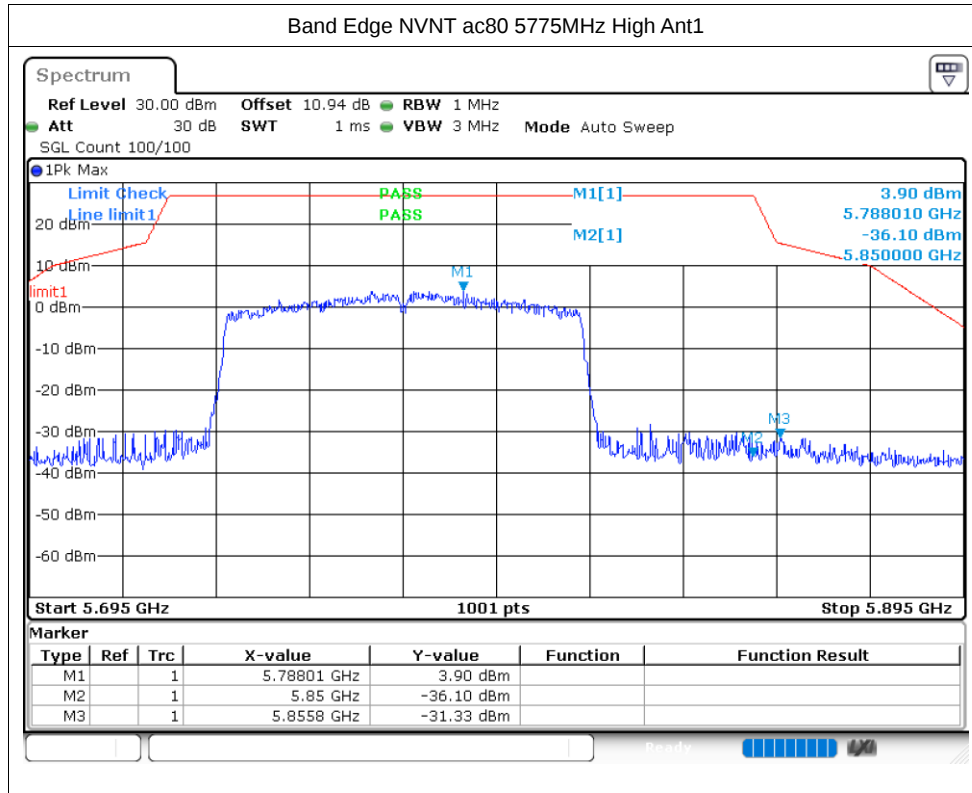










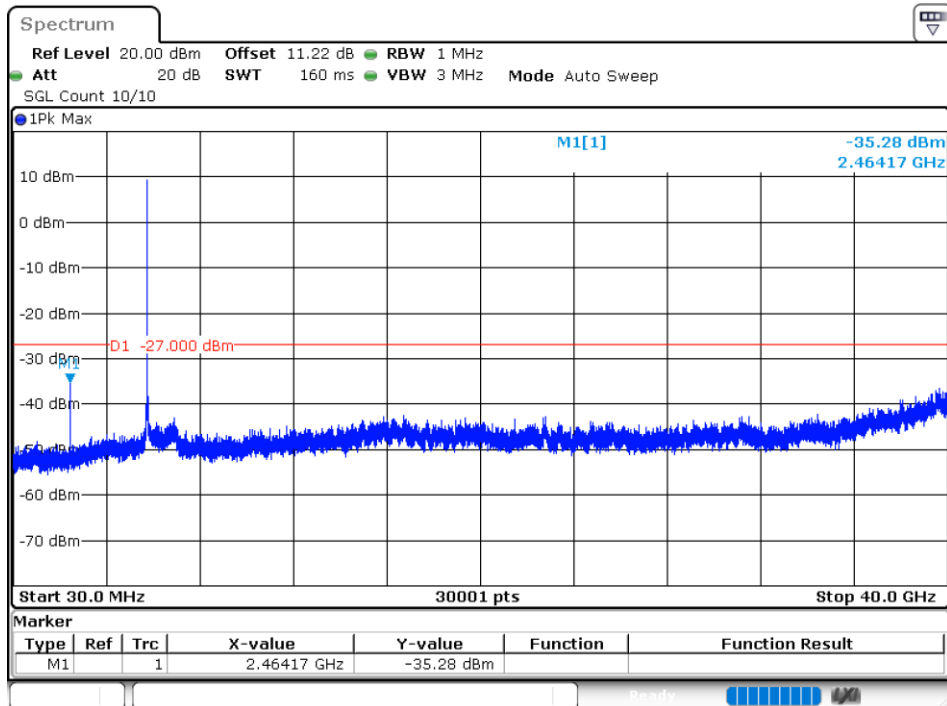


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-35.28	-27	Pass
NVNT	a	5785	Ant1	-36.6	-27	Pass
NVNT	a	5825	Ant1	-29.86	-27	Pass
NVNT	n20	5745	Ant1	-37.26	-27	Pass
NVNT	n20	5785	Ant1	-37.61	-27	Pass
NVNT	n20	5825	Ant1	-36.76	-27	Pass
NVNT	n40	5755	Ant1	-36.11	-27	Pass
NVNT	n40	5795	Ant1	-36.95	-27	Pass
NVNT	ac20	5745	Ant1	-37.3	-27	Pass
NVNT	ac20	5785	Ant1	-36.62	-27	Pass
NVNT	ac20	5825	Ant1	-36.48	-27	Pass
NVNT	ac40	5755	Ant1	-37.04	-27	Pass
NVNT	ac40	5795	Ant1	-37.2	-27	Pass
NVNT	ac80	5775	Ant1	-36.83	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission



Tx. Spurious NVNT a 5785MHz Ant1 Emission

