

WIFI 5.8G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	67.12	1.73	0.49
NVNT	a	5785	Ant1	67.23	1.72	0.5
NVNT	a	5825	Ant1	67.24	1.72	0.5
NVNT	n20	5745	Ant1	65.25	1.85	0.53
NVNT	n20	5785	Ant1	66.24	1.79	0.53
NVNT	n20	5825	Ant1	66.17	1.79	0.53
NVNT	n40	5755	Ant1	48.44	3.15	1.08
NVNT	n40	5795	Ant1	48.56	3.14	1.08

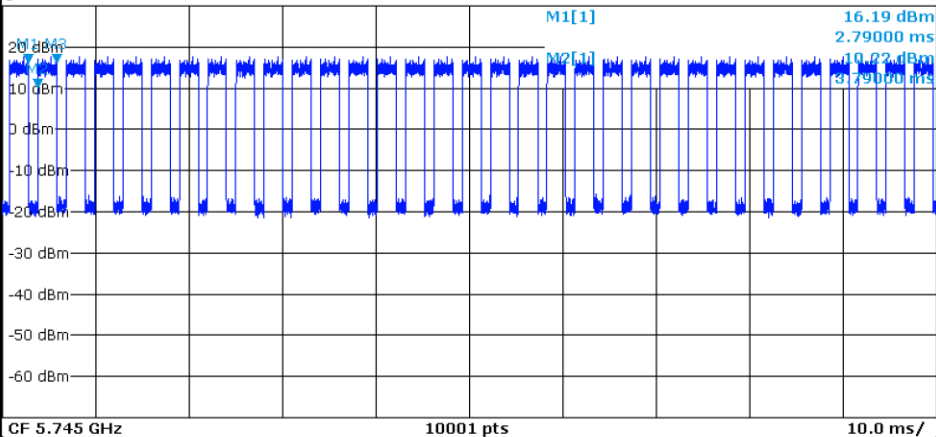
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.65 dB RBW 10 MHz
 Att 45 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw

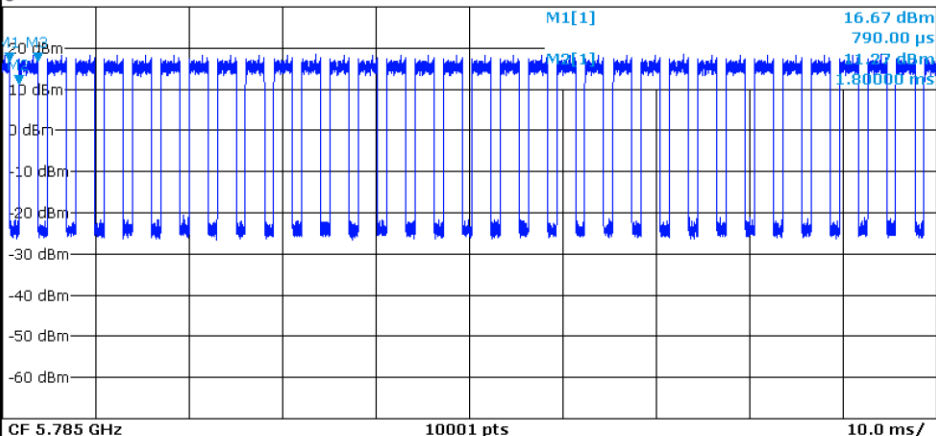


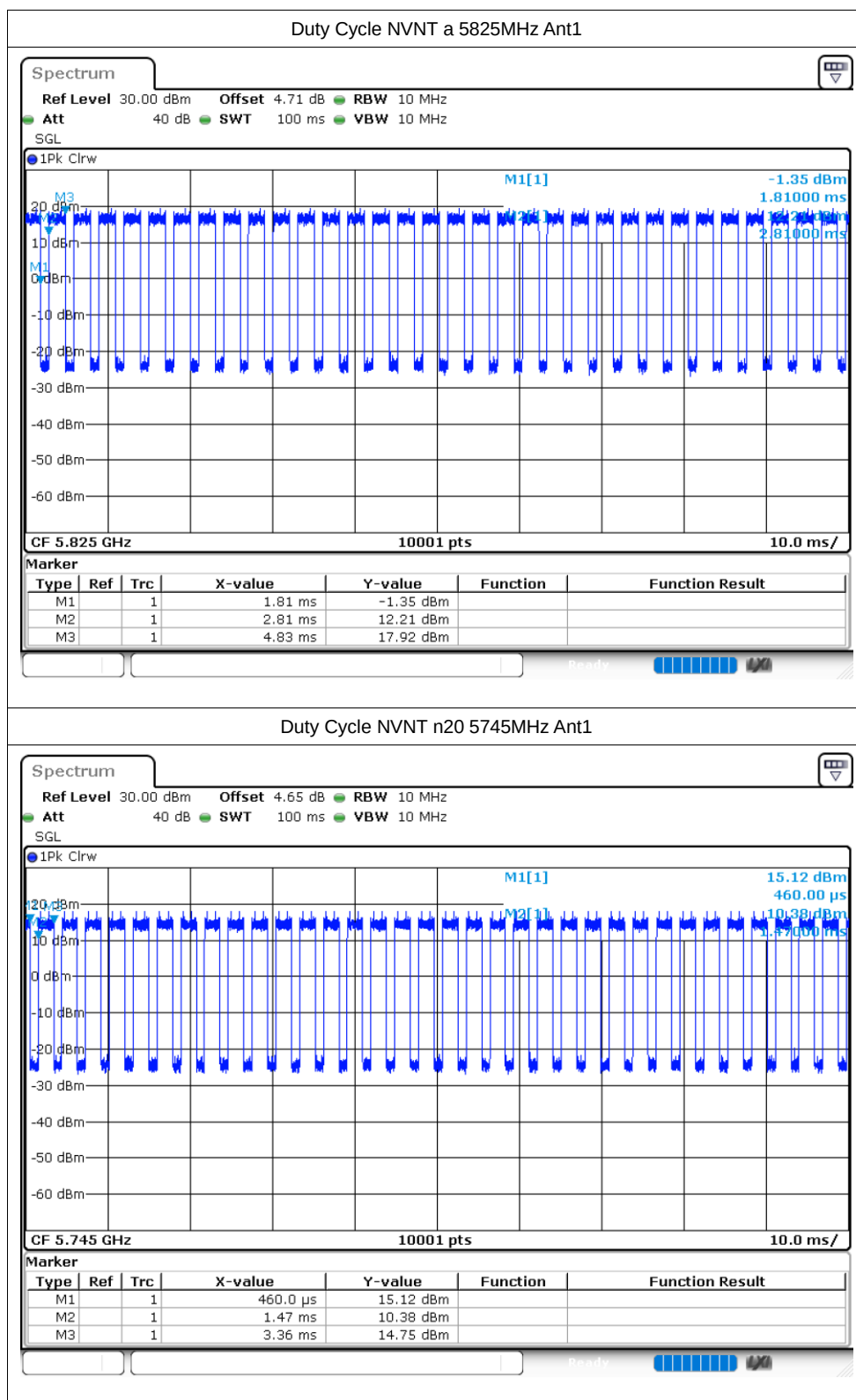
Duty Cycle NVNT a 5785MHz Ant1

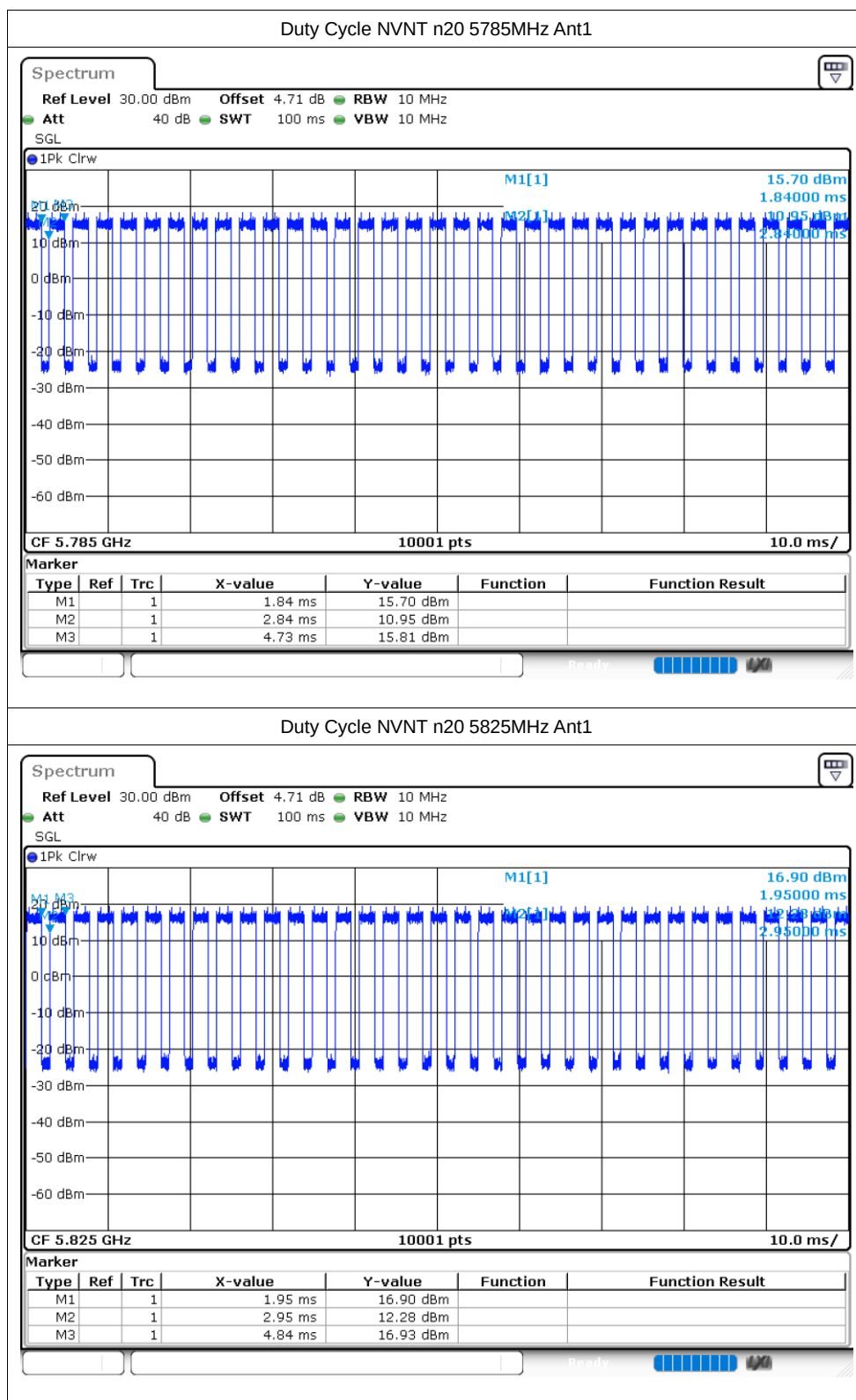
Spectrum

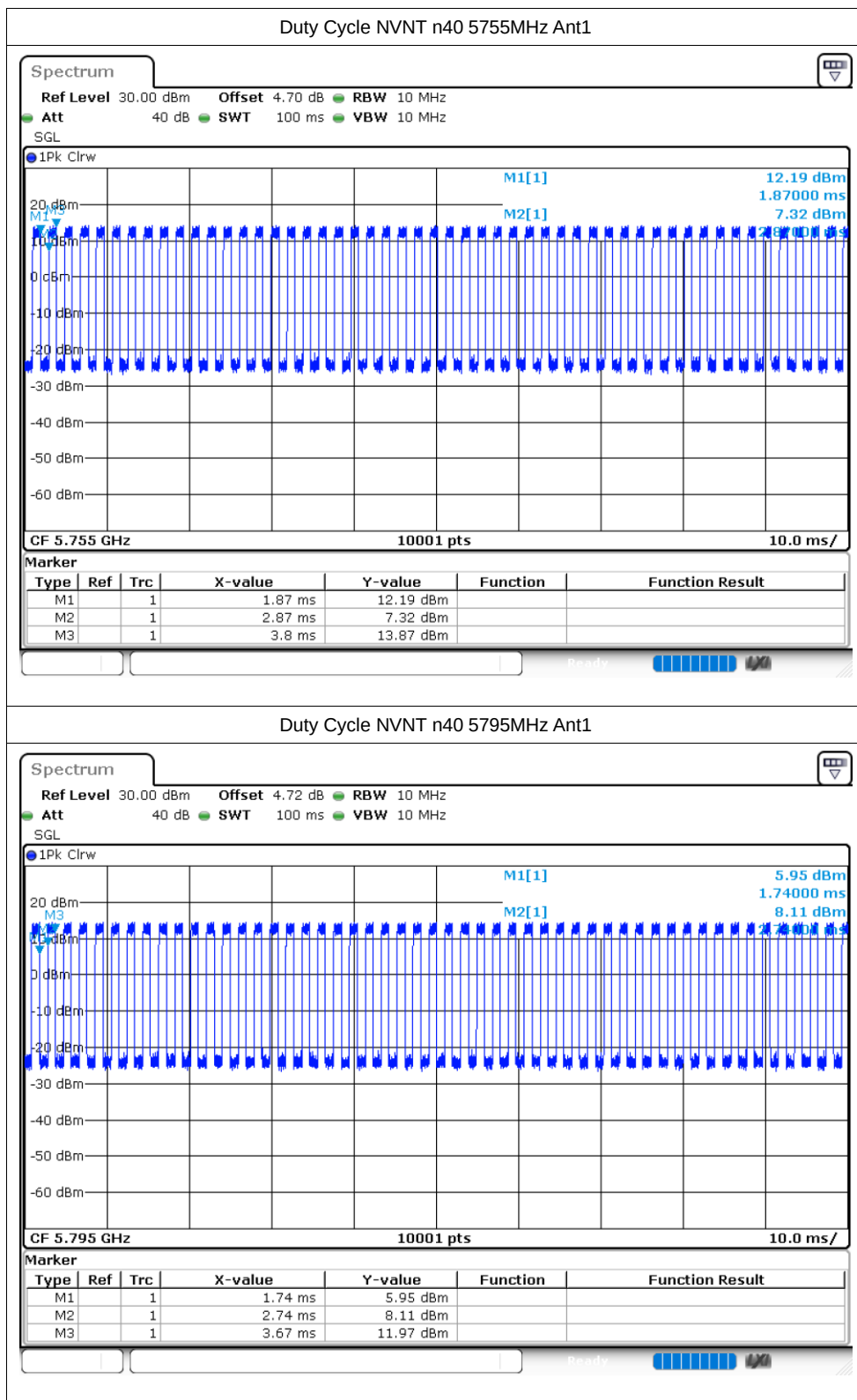
Ref Level 30.00 dBm Offset 4.71 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw









Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.27	30	Pass
NVNT	a	5785	Ant1	11	30	Pass
NVNT	a	5825	Ant1	12.22	30	Pass
NVNT	n20	5745	Ant1	11.09	30	Pass
NVNT	n20	5785	Ant1	11.06	30	Pass
NVNT	n20	5825	Ant1	12.27	30	Pass
NVNT	n40	5755	Ant1	10.42	30	Pass
NVNT	n40	5795	Ant1	10.84	30	Pass

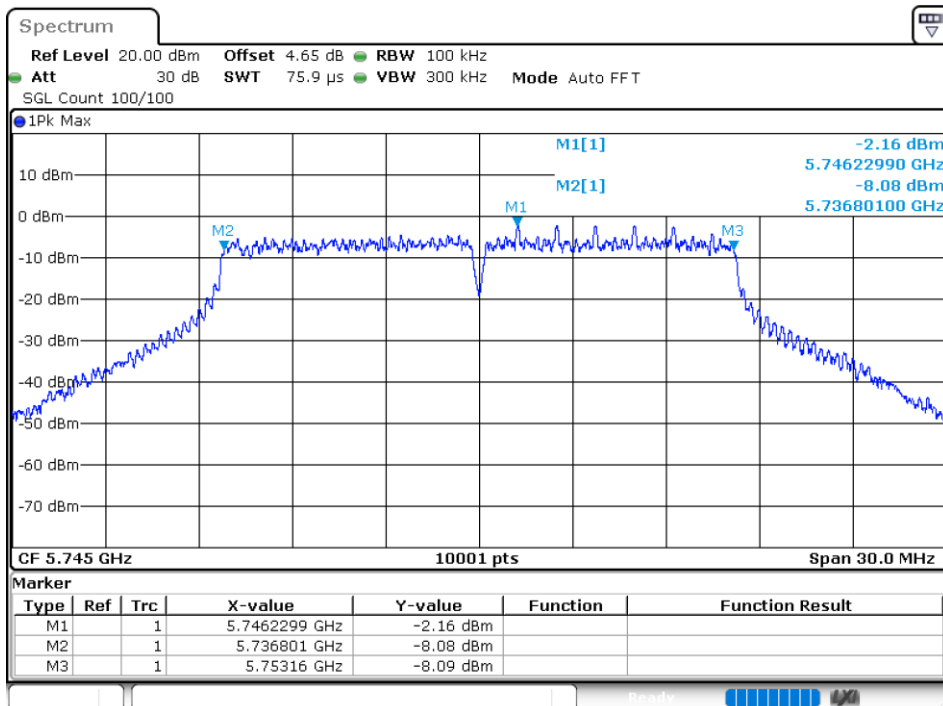
Note: The average power value already includes the duty cycle factor.

-6dB Bandwidth

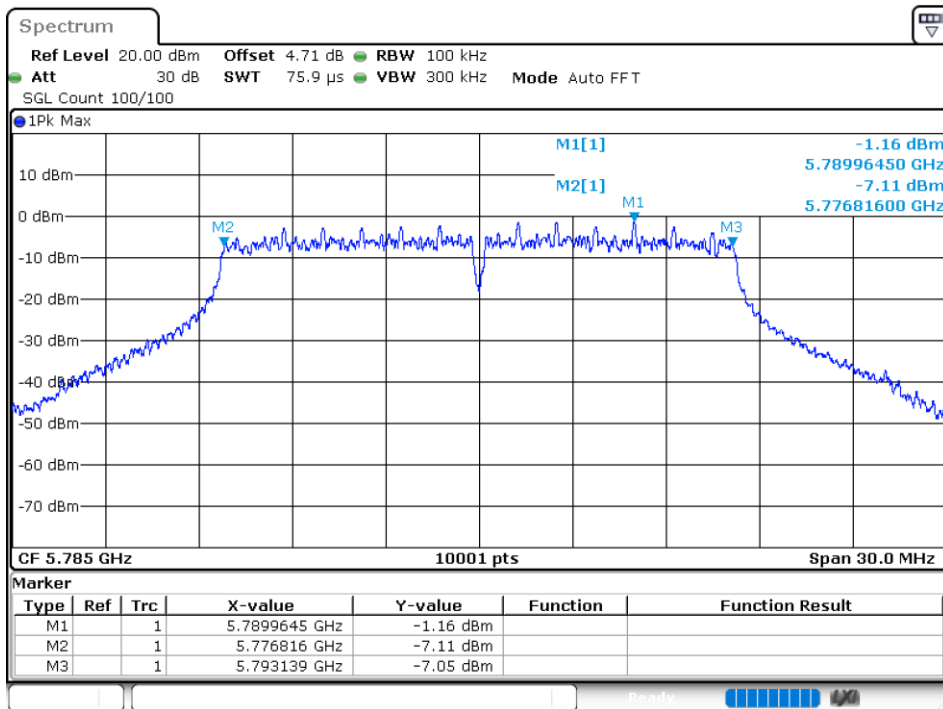
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.359	0.5	Pass
NVNT	a	5785	Ant1	16.323	0.5	Pass
NVNT	a	5825	Ant1	16.32	0.5	Pass
NVNT	n20	5745	Ant1	17.604	0.5	Pass
NVNT	n20	5785	Ant1	17.571	0.5	Pass
NVNT	n20	5825	Ant1	17.646	0.5	Pass
NVNT	n40	5755	Ant1	36.288	0.5	Pass
NVNT	n40	5795	Ant1	36.3	0.5	Pass

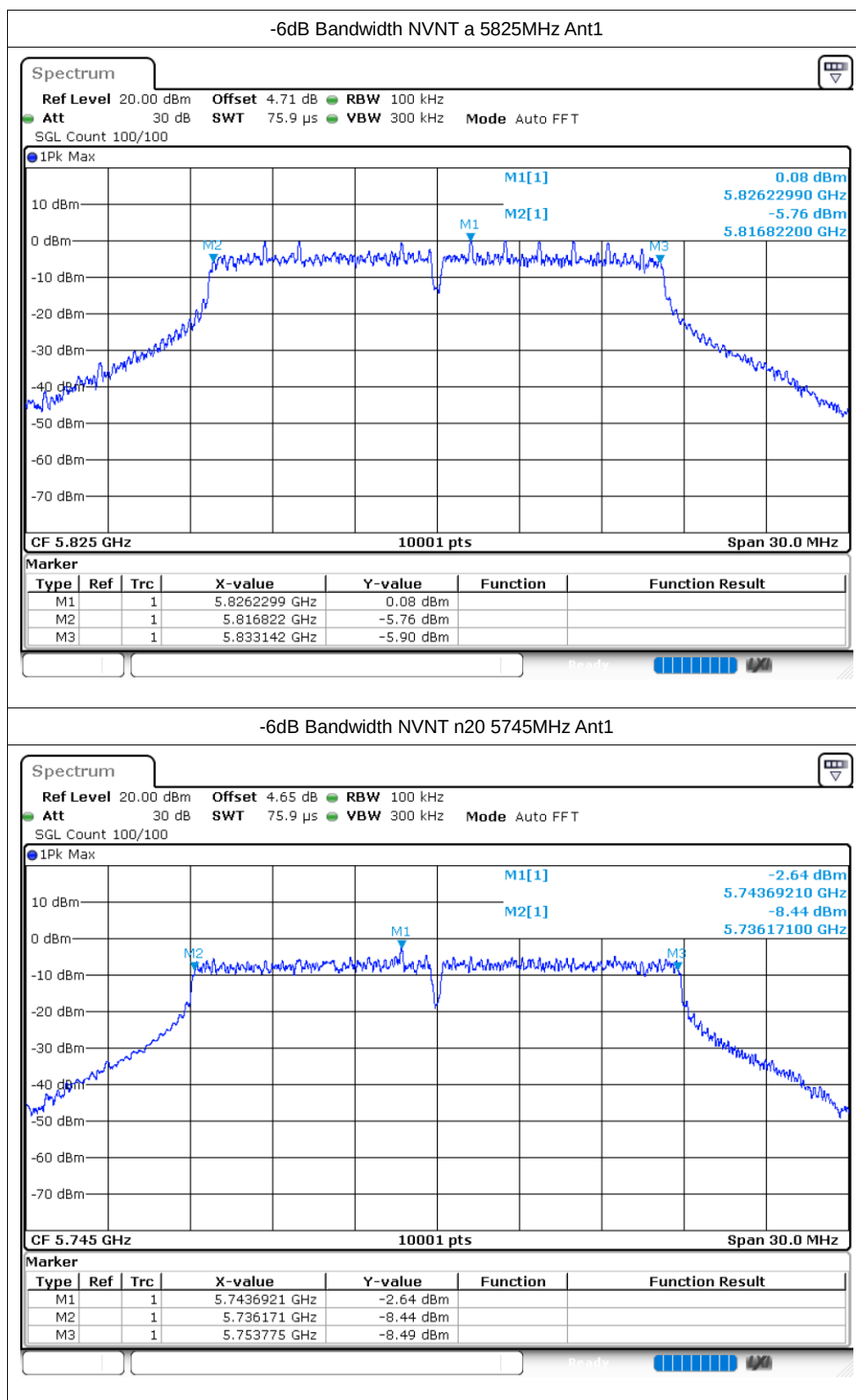
Test Graphs

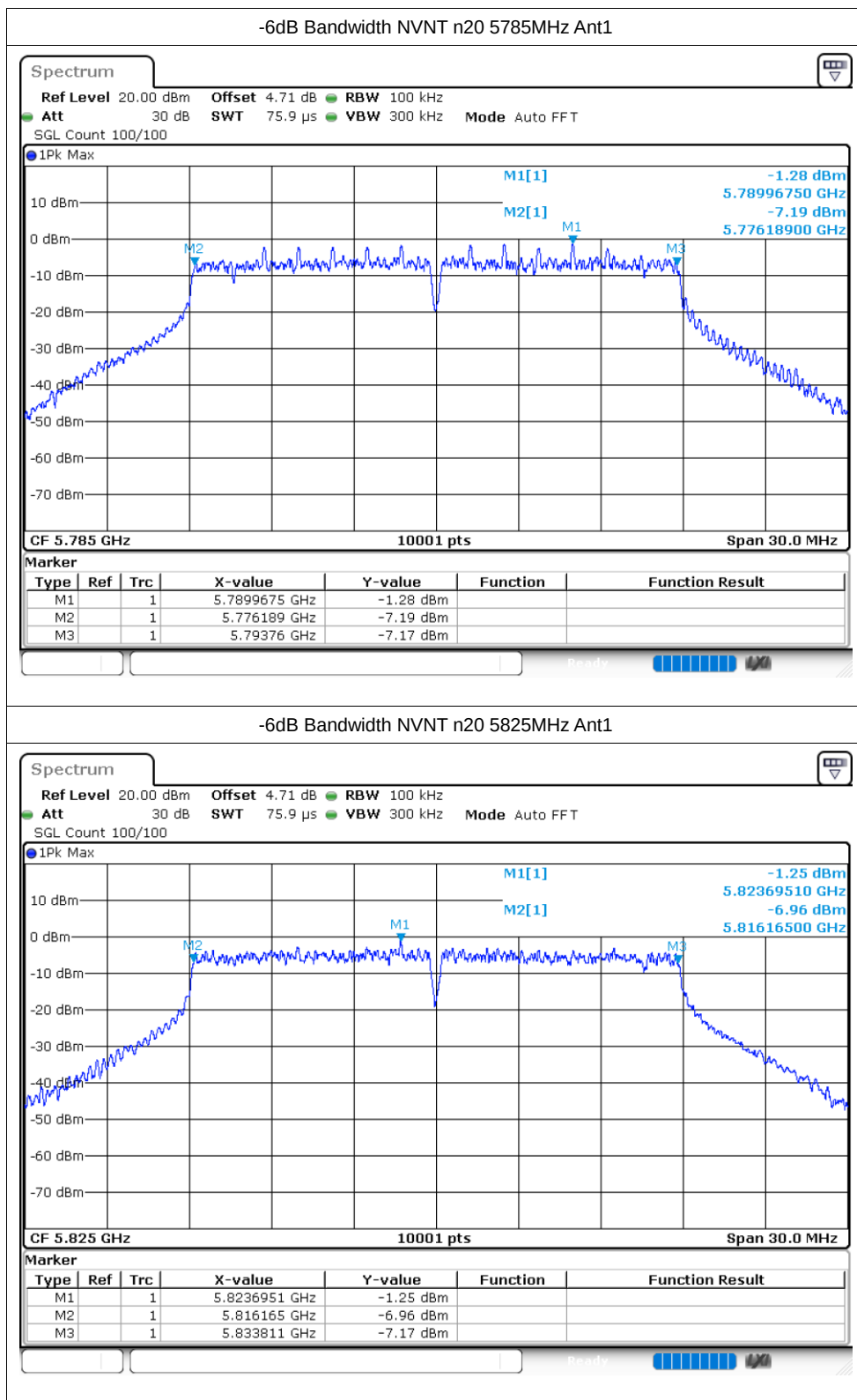
-6dB Bandwidth NVNT a 5745MHz Ant1

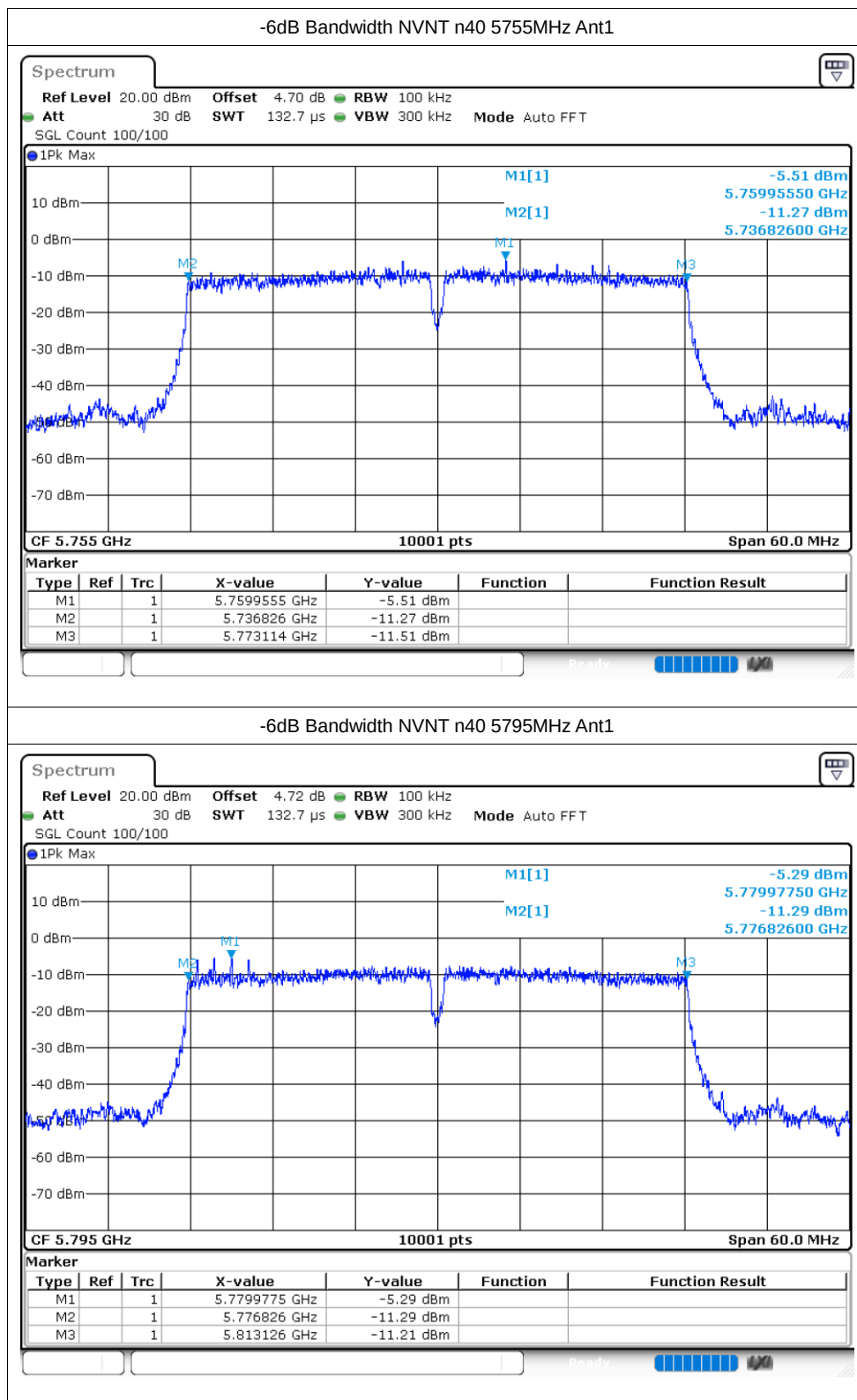


-6dB Bandwidth NVNT a 5785MHz Ant1







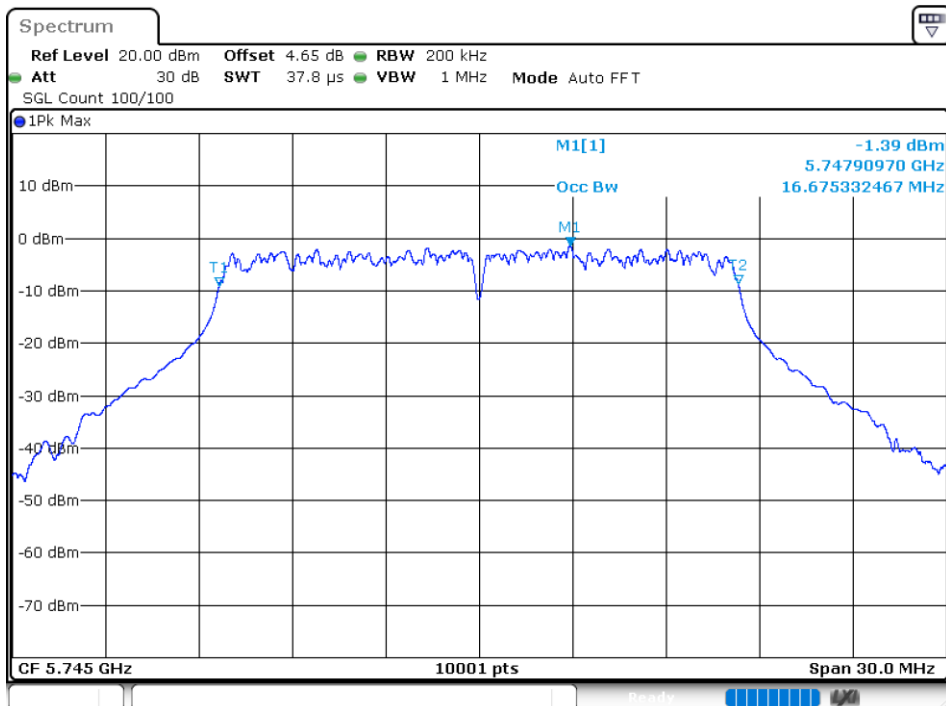


Occupied Channel Bandwidth

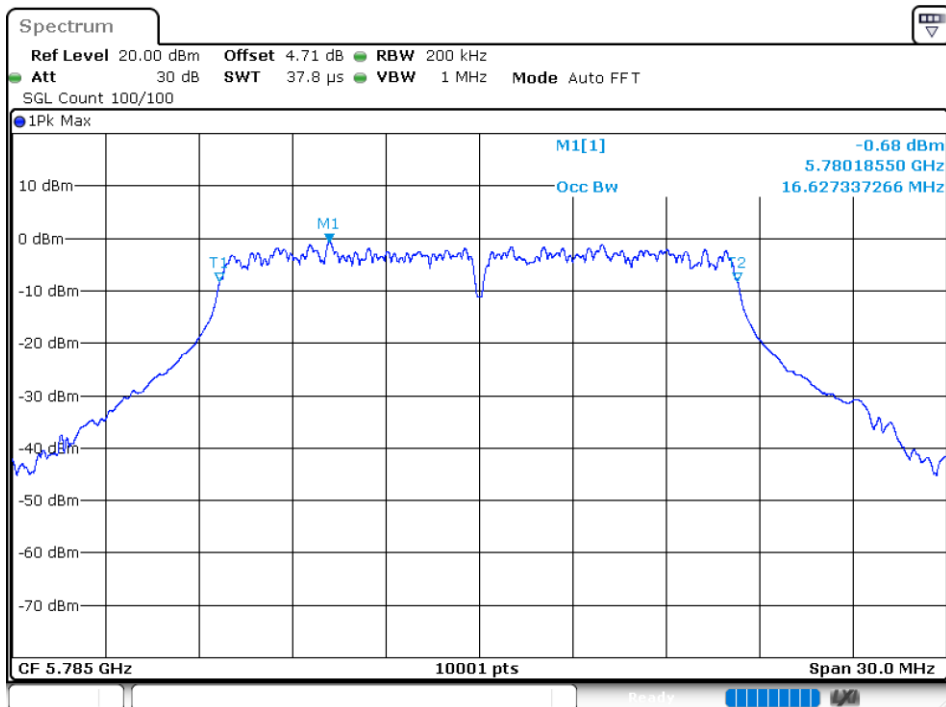
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.675
NVNT	a	5785	Ant1	16.627
NVNT	a	5825	Ant1	16.522
NVNT	n20	5745	Ant1	18.004
NVNT	n20	5785	Ant1	17.893
NVNT	n20	5825	Ant1	17.74
NVNT	n40	5755	Ant1	36.032
NVNT	n40	5795	Ant1	36.002

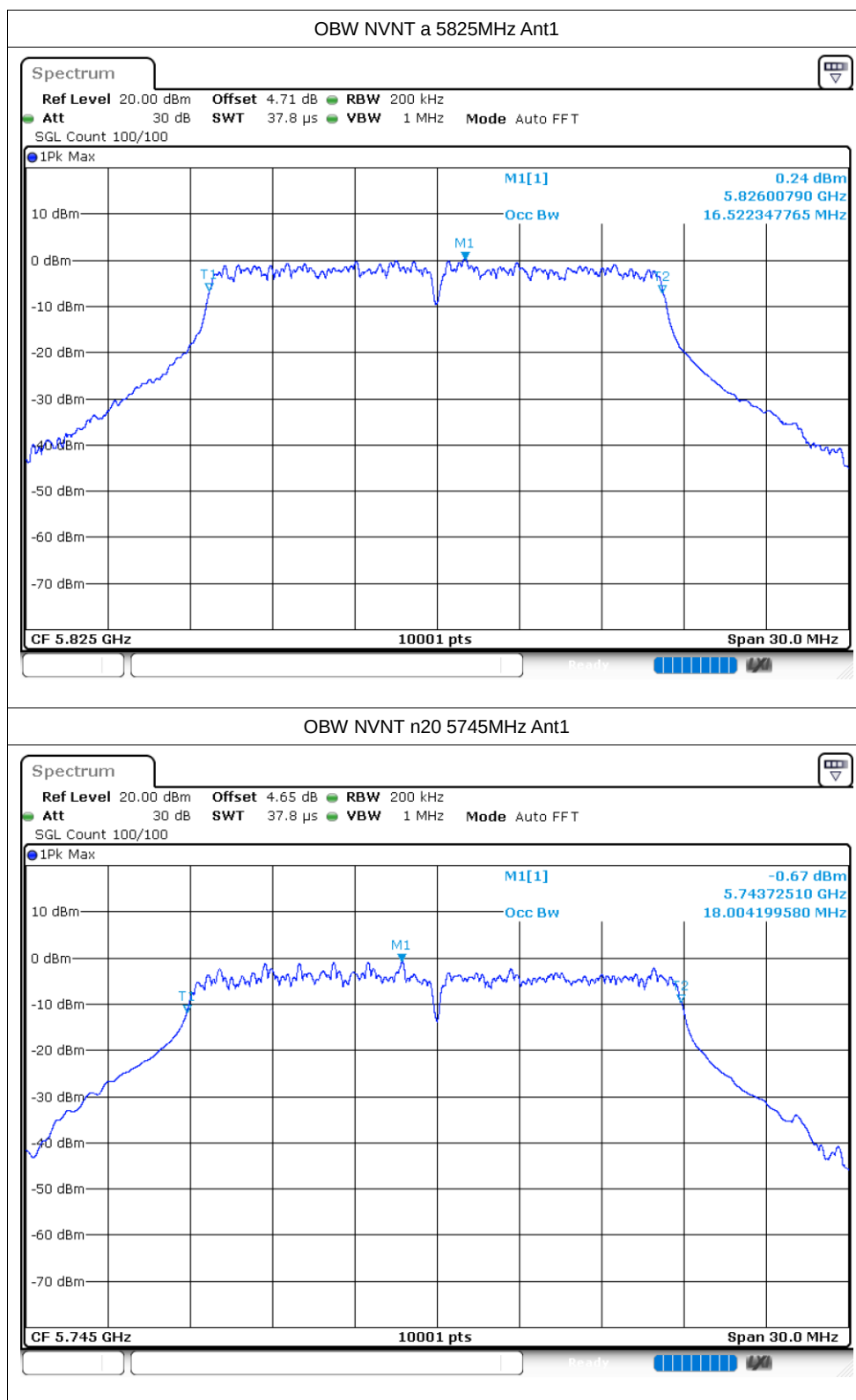
Test Graphs

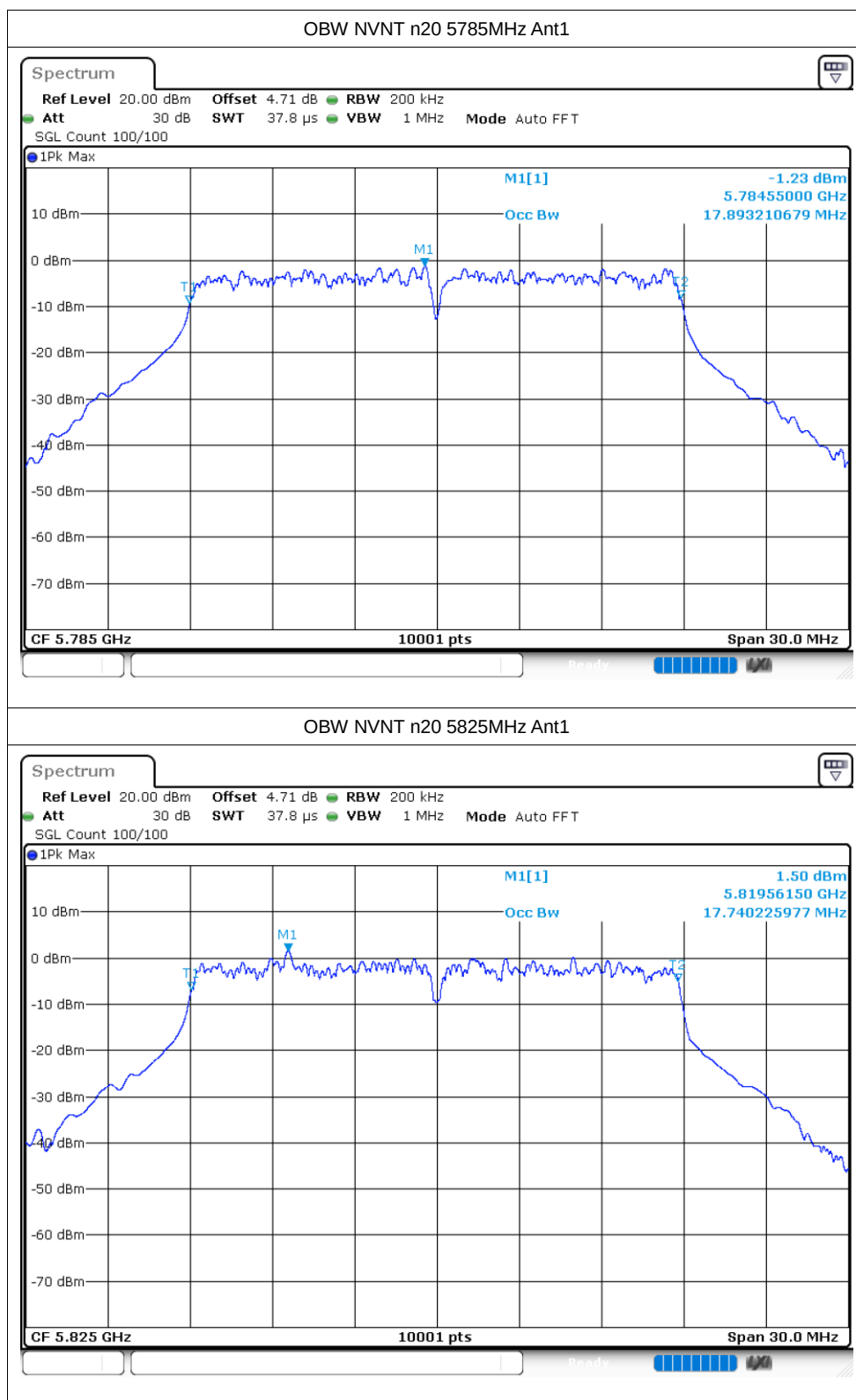
OBW NVNT a 5745MHz Ant1

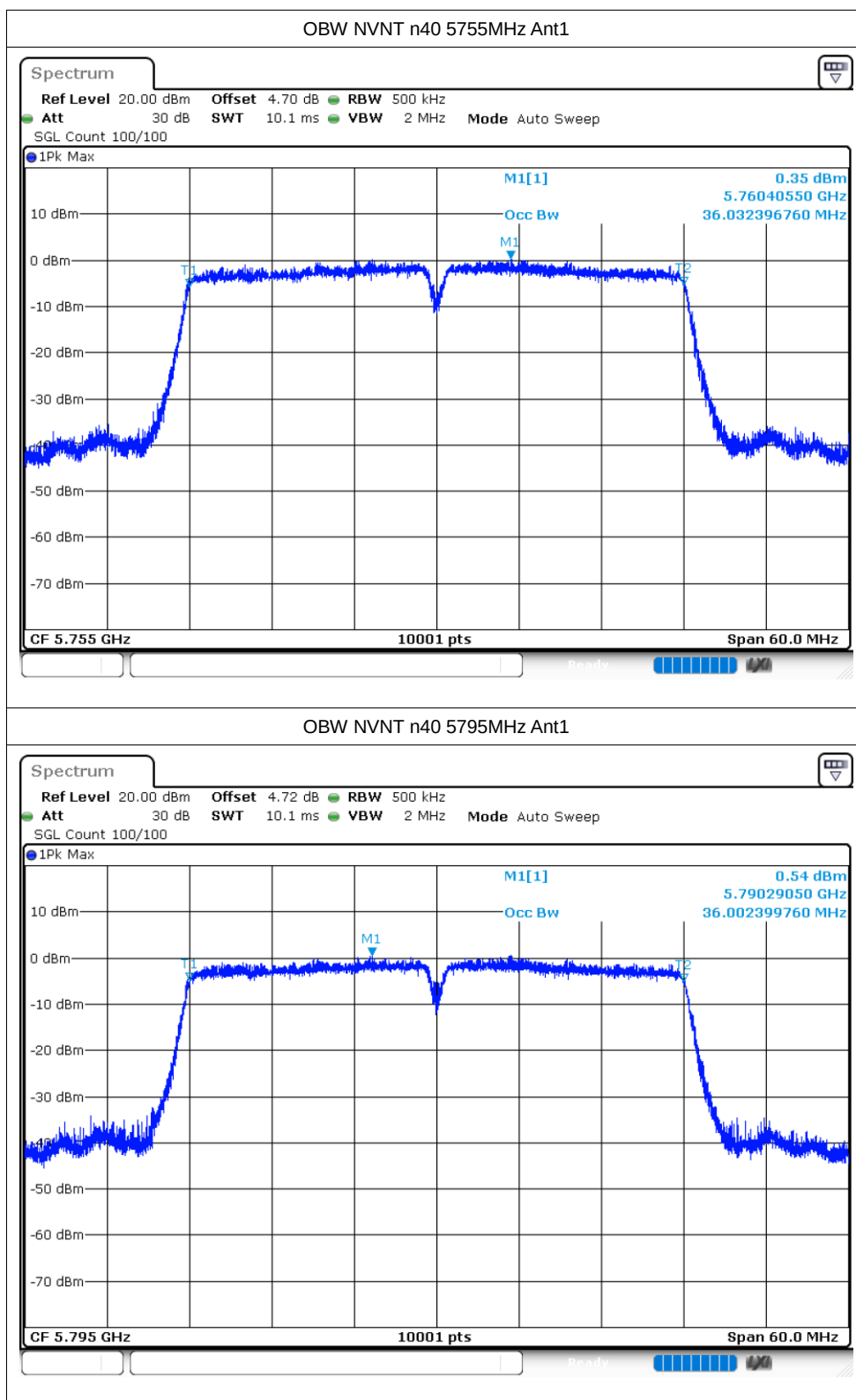


OBW NVNT a 5785MHz Ant1







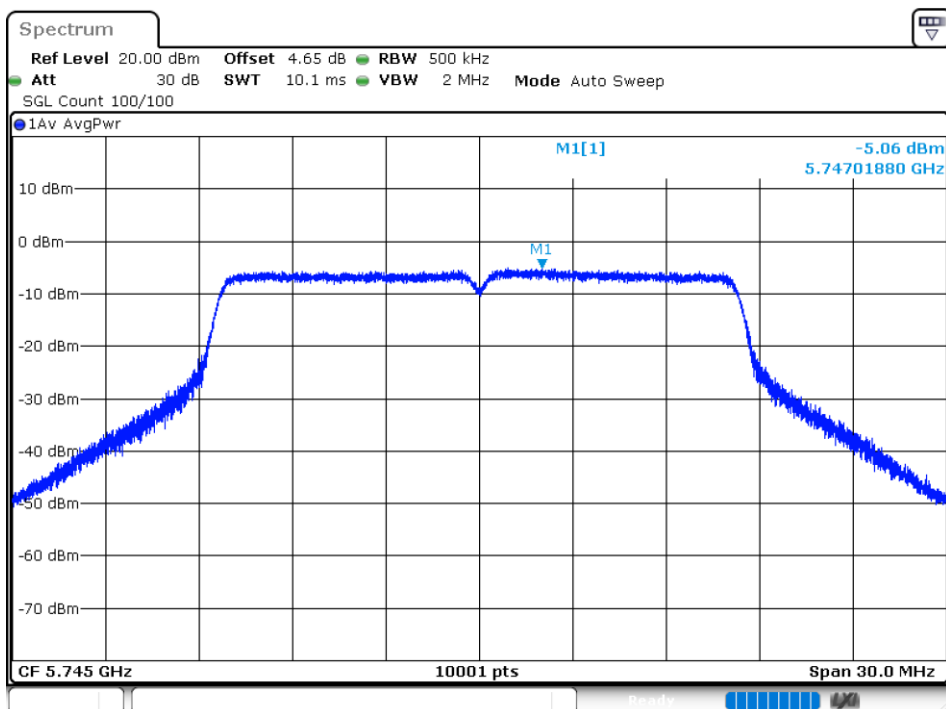


Maximum Power Spectral Density Level

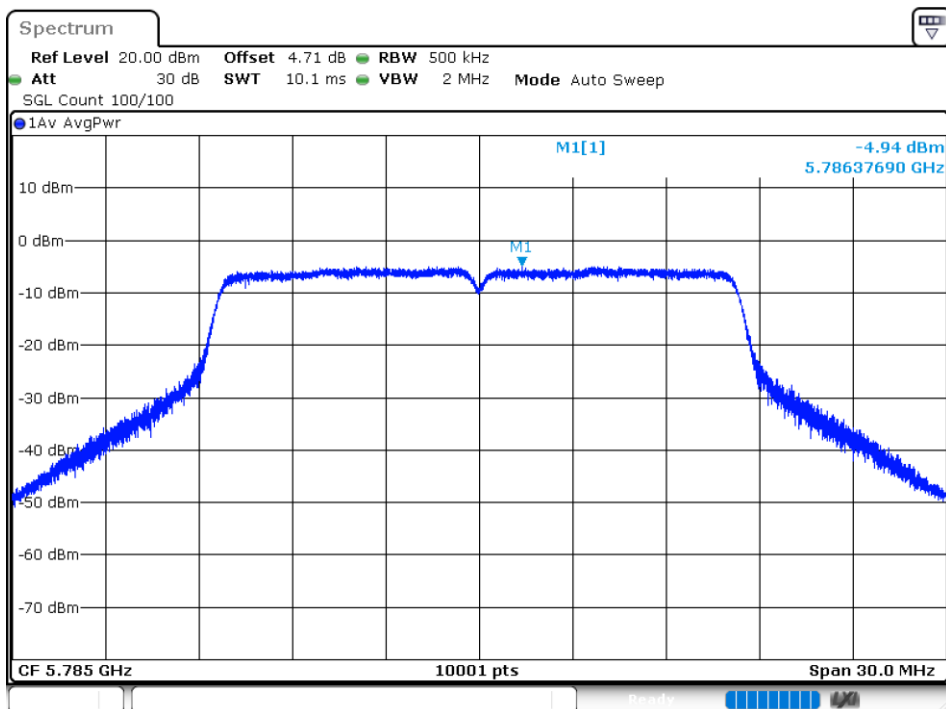
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-5.06	1.73	-3.33	30	Pass
NVNT	a	5785	Ant1	-4.94	1.72	-3.22	30	Pass
NVNT	a	5825	Ant1	-3.54	1.72	-1.82	30	Pass
NVNT	n20	5745	Ant1	-5.74	1.85	-3.89	30	Pass
NVNT	n20	5785	Ant1	-5.45	1.79	-3.66	30	Pass
NVNT	n20	5825	Ant1	-3.68	1.79	-1.89	30	Pass
NVNT	n40	5755	Ant1	-9.19	3.15	-6.04	30	Pass
NVNT	n40	5795	Ant1	-9.32	3.14	-6.18	30	Pass

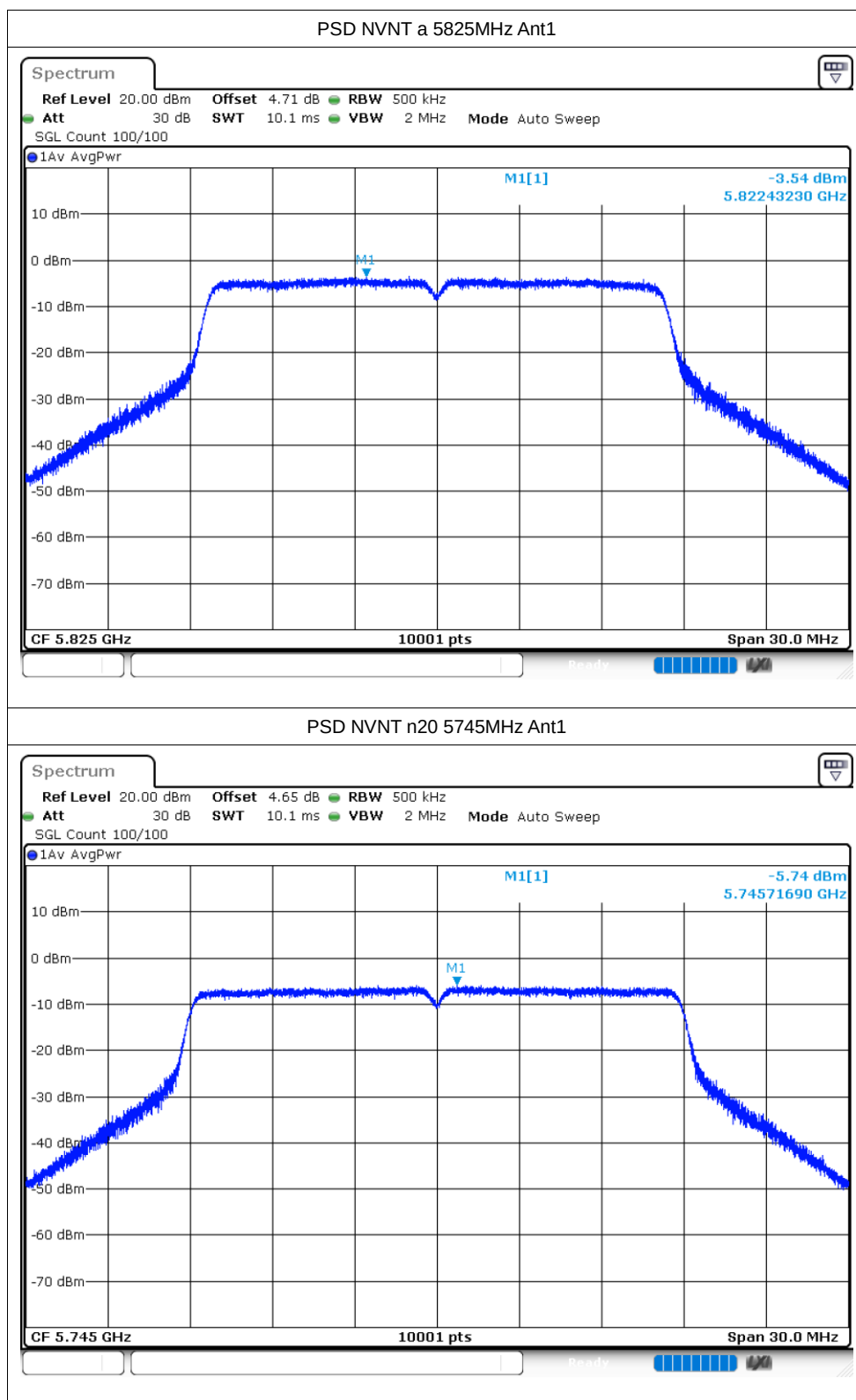
Test Graphs

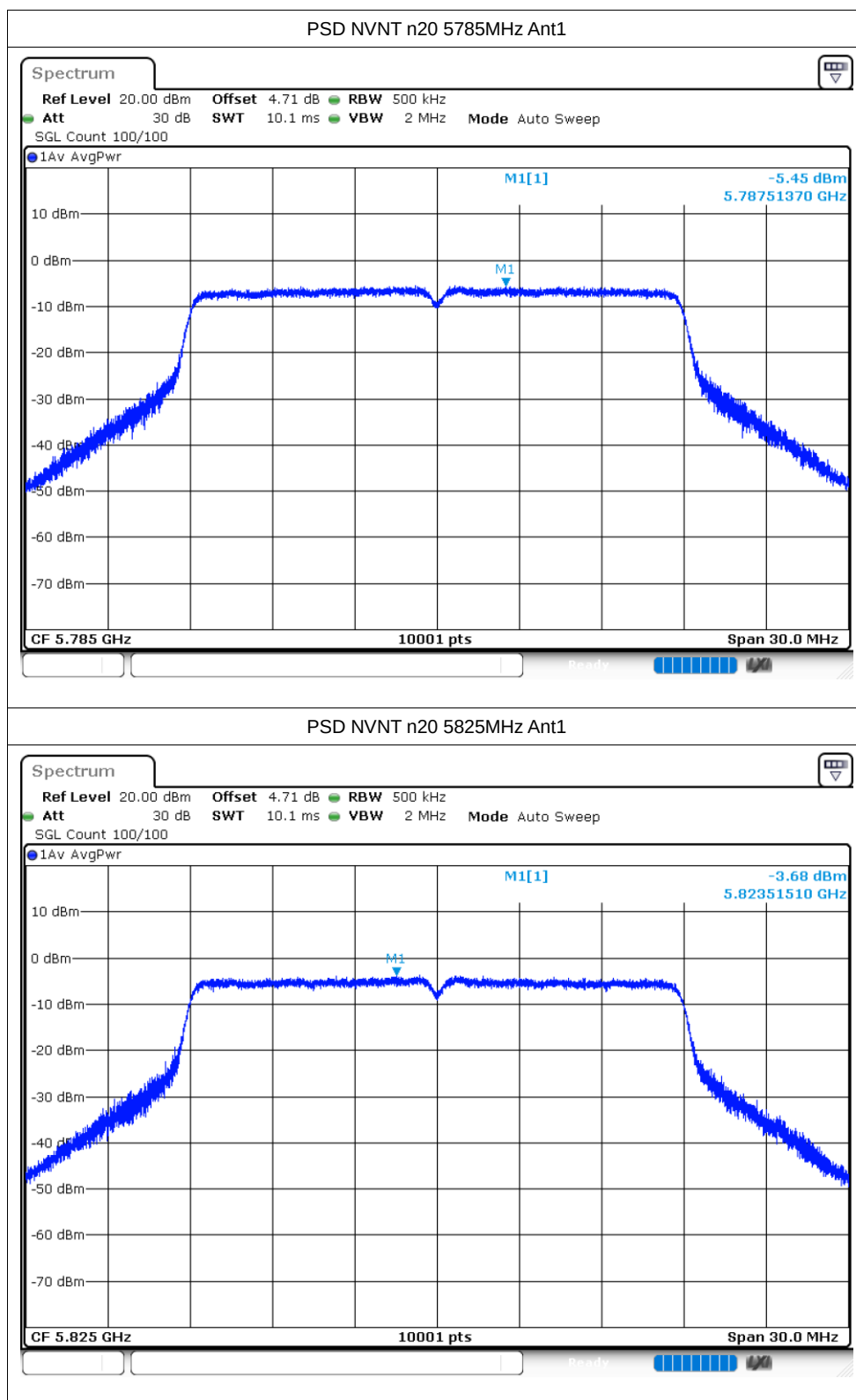
PSD NVNT a 5745MHz Ant1

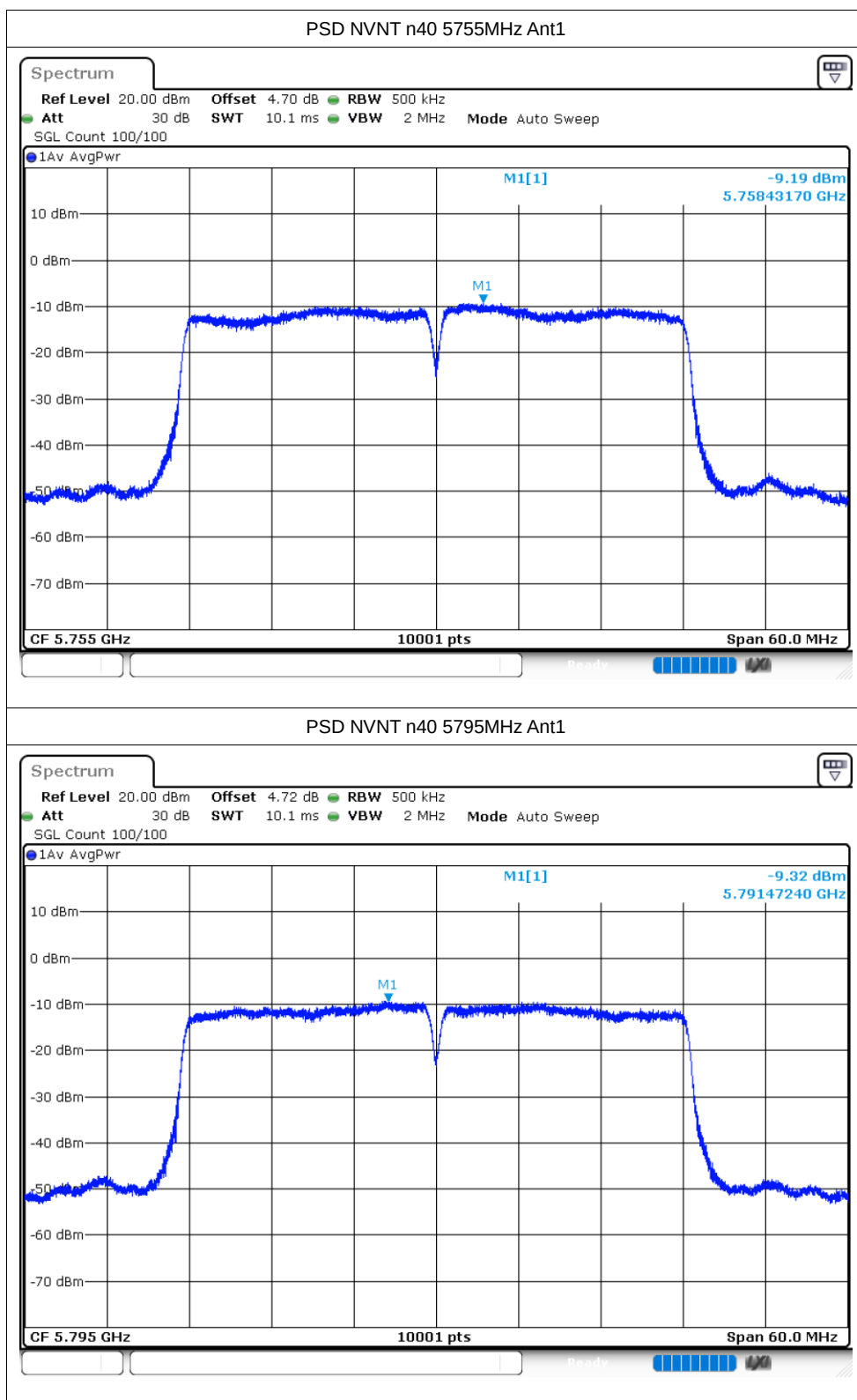


PSD NVNT a 5785MHz Ant1







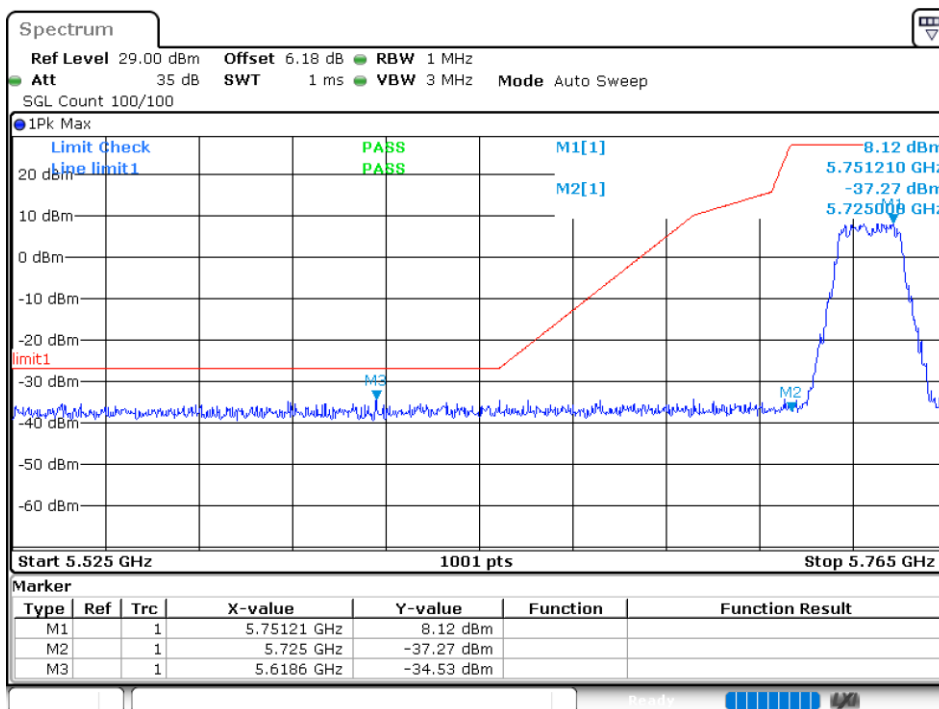


Band Edge

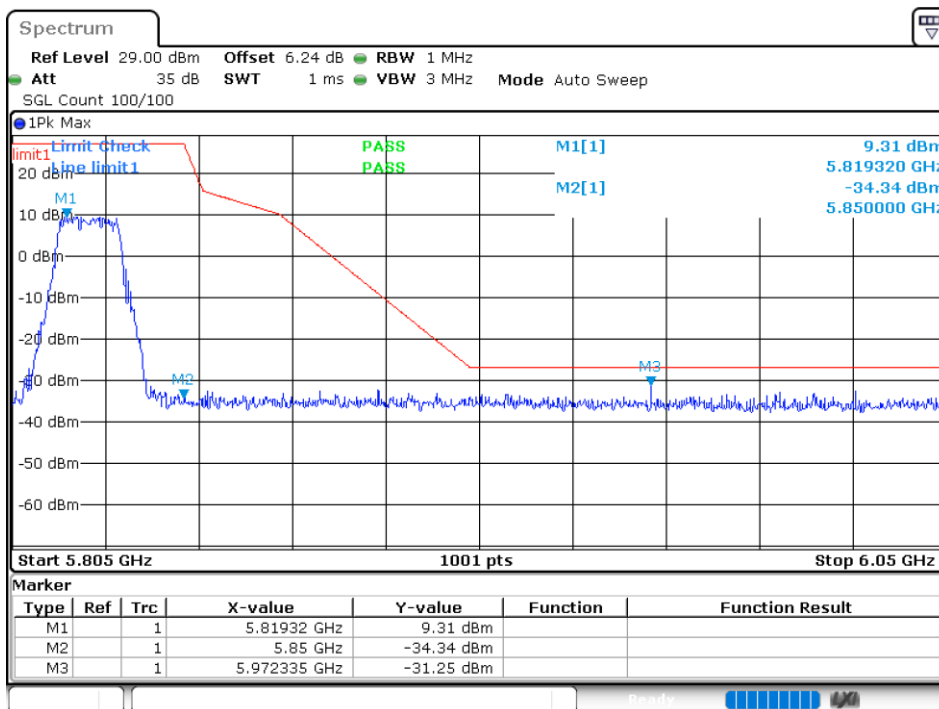
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-34.53	-27	Pass
NVNT	a	5825	Ant1	-31.24	-27	Pass
NVNT	n20	5745	Ant1	-34.86	-27	Pass
NVNT	n20	5825	Ant1	-32.18	-27	Pass
NVNT	n40	5755	Ant1	-34.46	-27	Pass
NVNT	n40	5795	Ant1	-33.25	-27	Pass

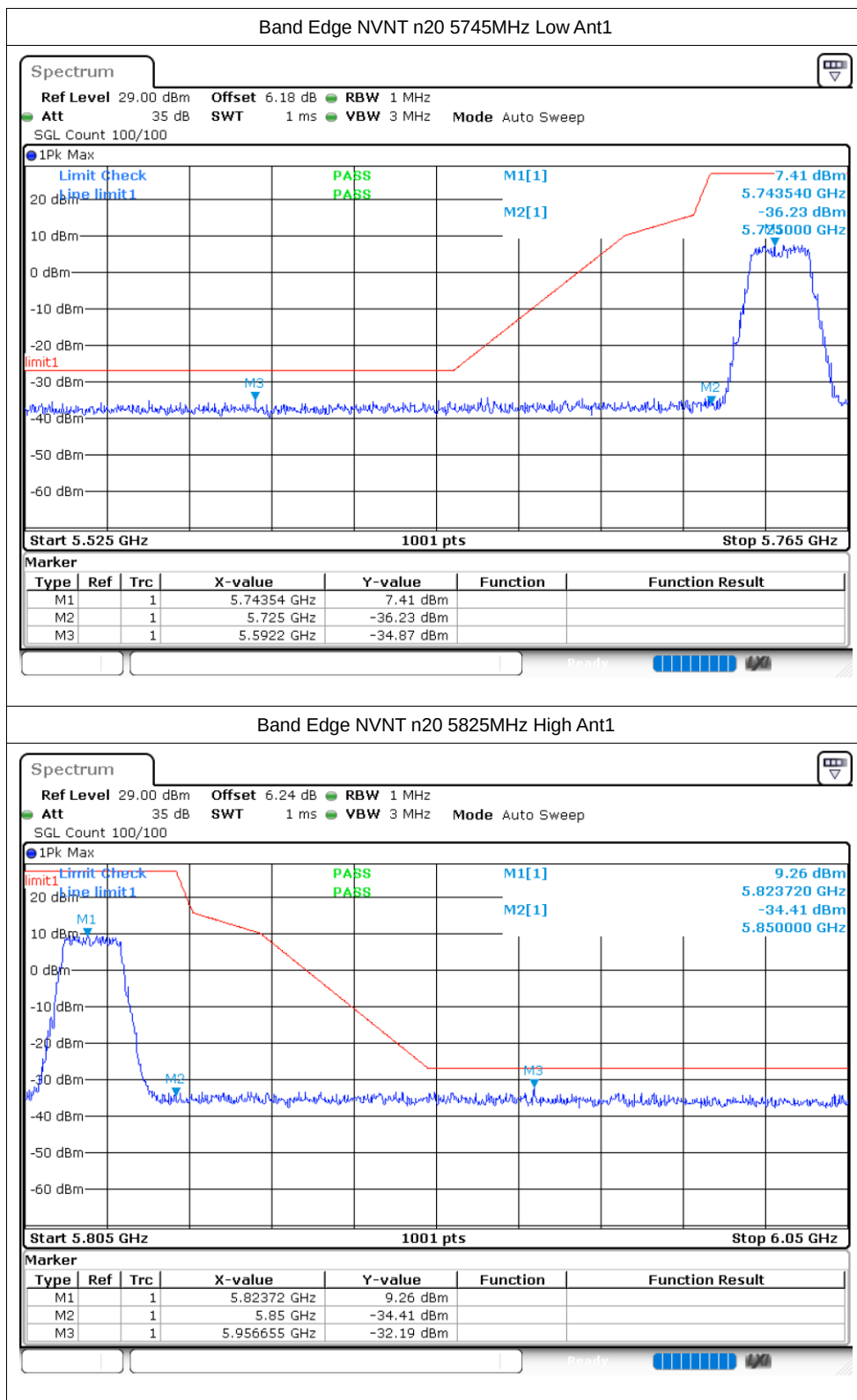
Test Graphs

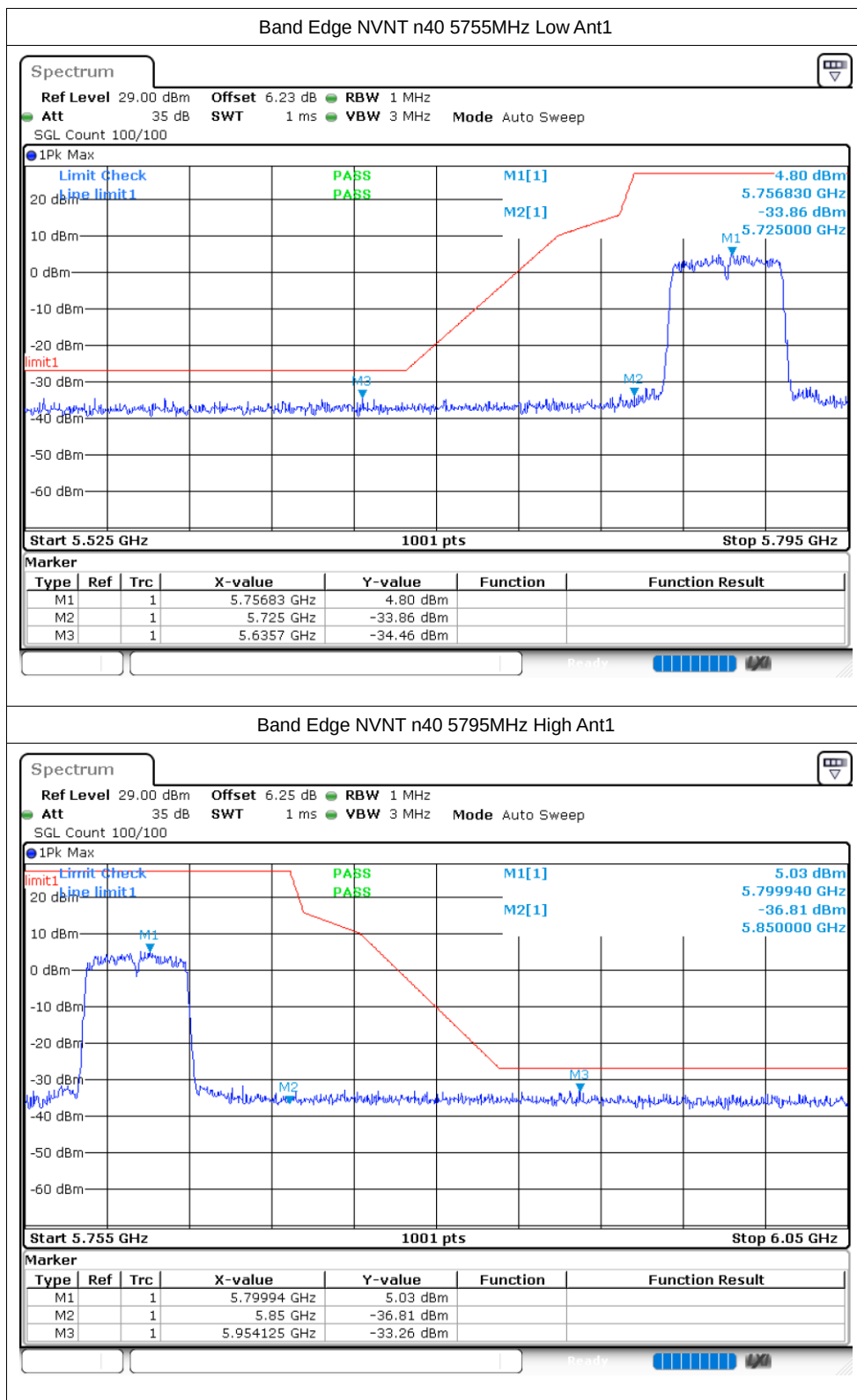
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-34.57	-27	Pass
NVNT	a	5785	Ant1	-33.91	-27	Pass
NVNT	a	5825	Ant1	-34.34	-27	Pass
NVNT	n20	5745	Ant1	-35.1	-27	Pass
NVNT	n20	5785	Ant1	-34.14	-27	Pass
NVNT	n20	5825	Ant1	-33.59	-27	Pass
NVNT	n40	5755	Ant1	-34.88	-27	Pass
NVNT	n40	5795	Ant1	-33.79	-27	Pass

