

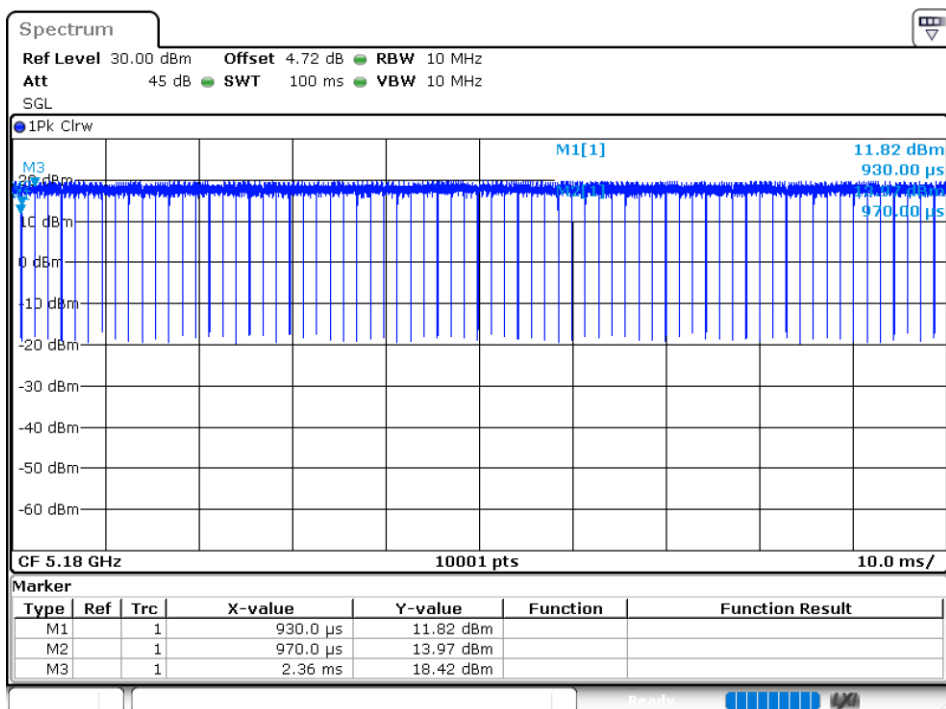
WIFI 5.2G

Duty Cycle

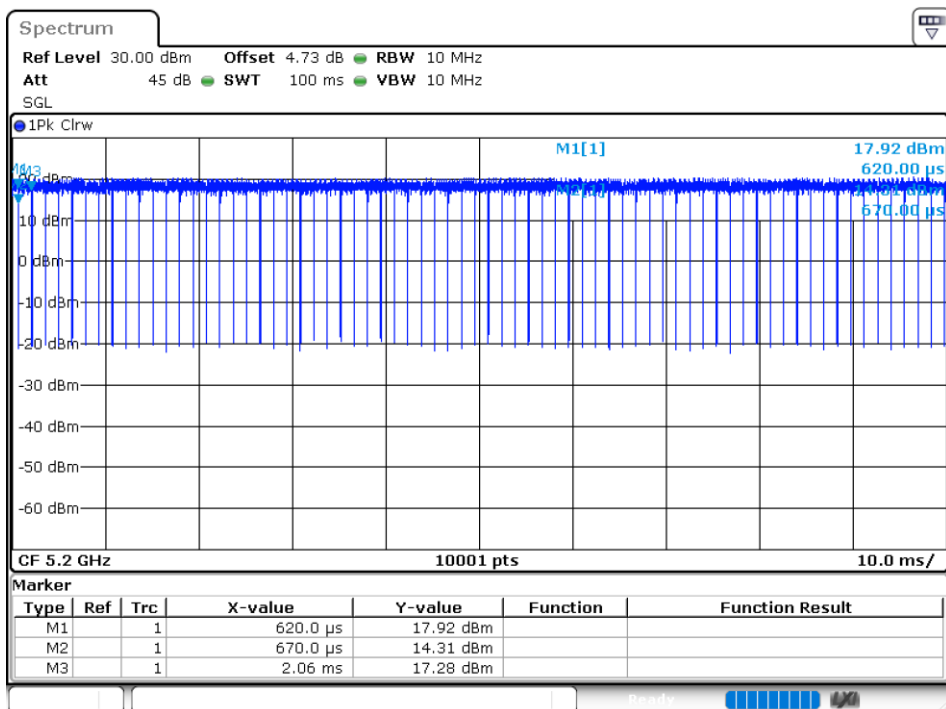
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.58	0.11	0.72
NVNT	a	5200	Ant1	97.55	0.11	0.72
NVNT	a	5240	Ant1	97.55	0.11	0.71
NVNT	n20	5180	Ant1	98.05	0.09	0.77
NVNT	n20	5200	Ant1	98.05	0.09	0.77
NVNT	n20	5240	Ant1	98.05	0.09	0.77
NVNT	ac20	5180	Ant1	98.05	0.09	0.76
NVNT	ac20	5200	Ant1	98.08	0.08	0.76
NVNT	ac20	5240	Ant1	98.05	0.09	0.76
NVNT	ax20	5180	Ant1	100	0	0
NVNT	ax20	5200	Ant1	97.63	0.1	0.98
NVNT	ax20	5240	Ant1	97.62	0.1	0.98

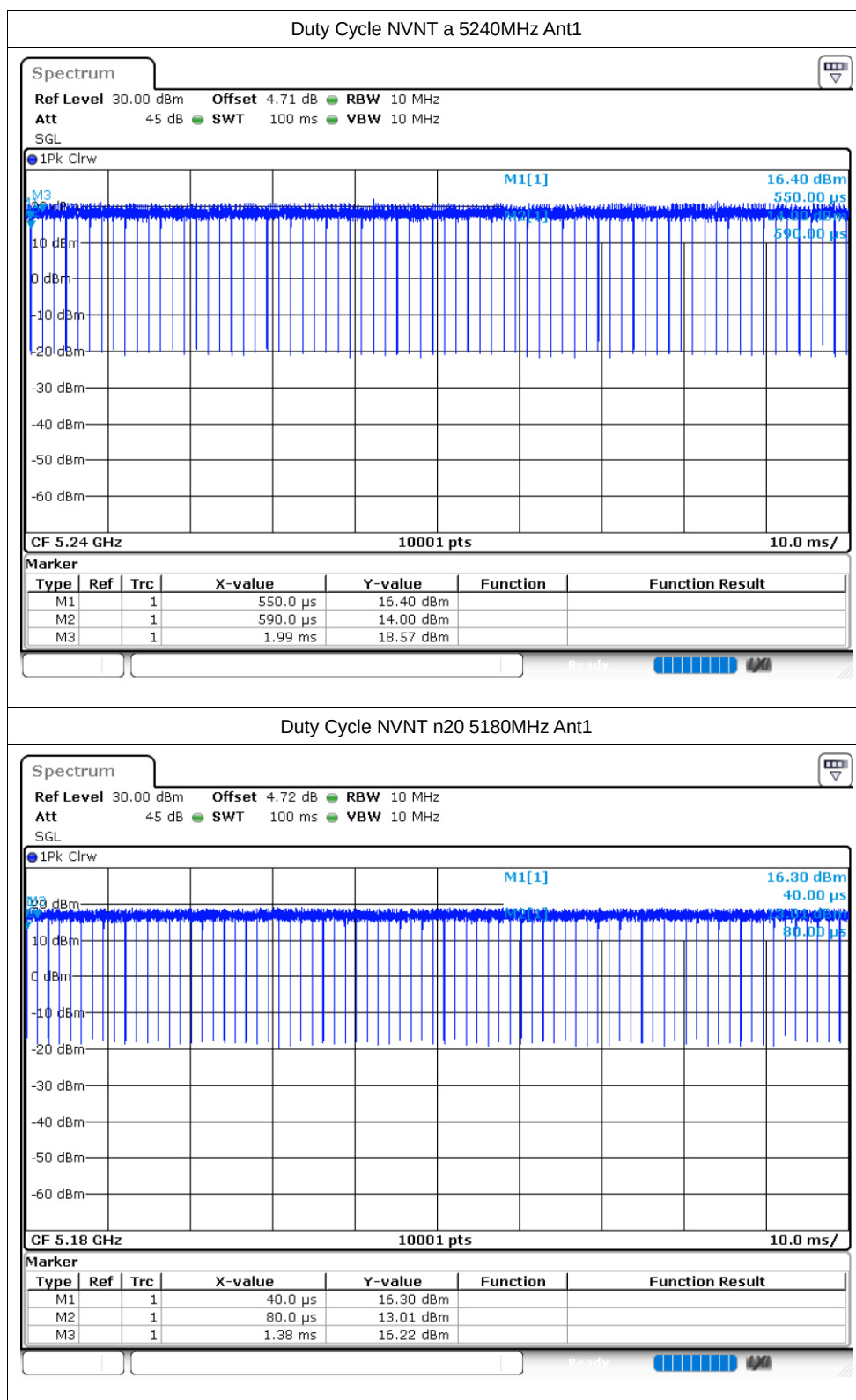
Test Graphs

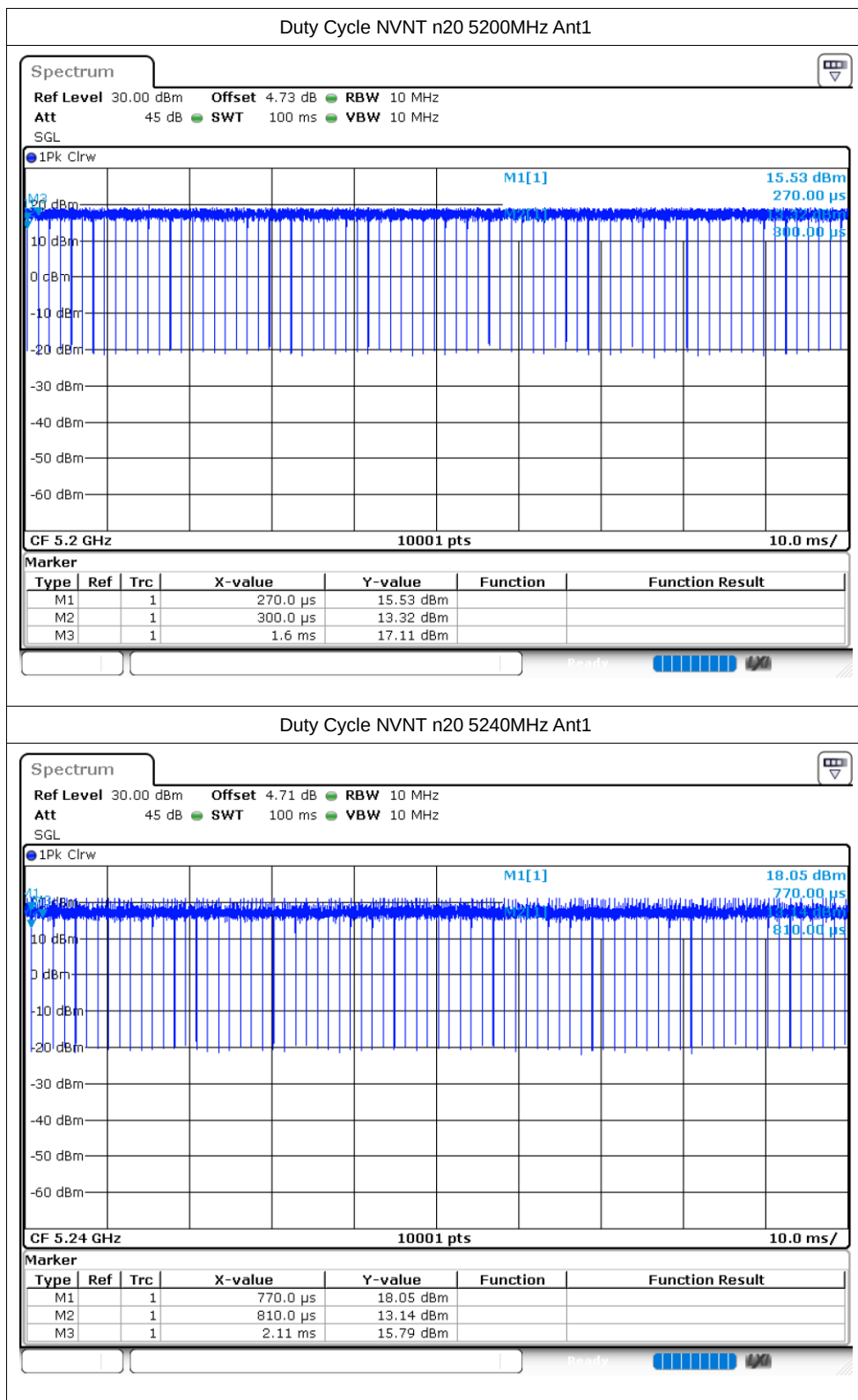
Duty Cycle NVNT a 5180MHz Ant1

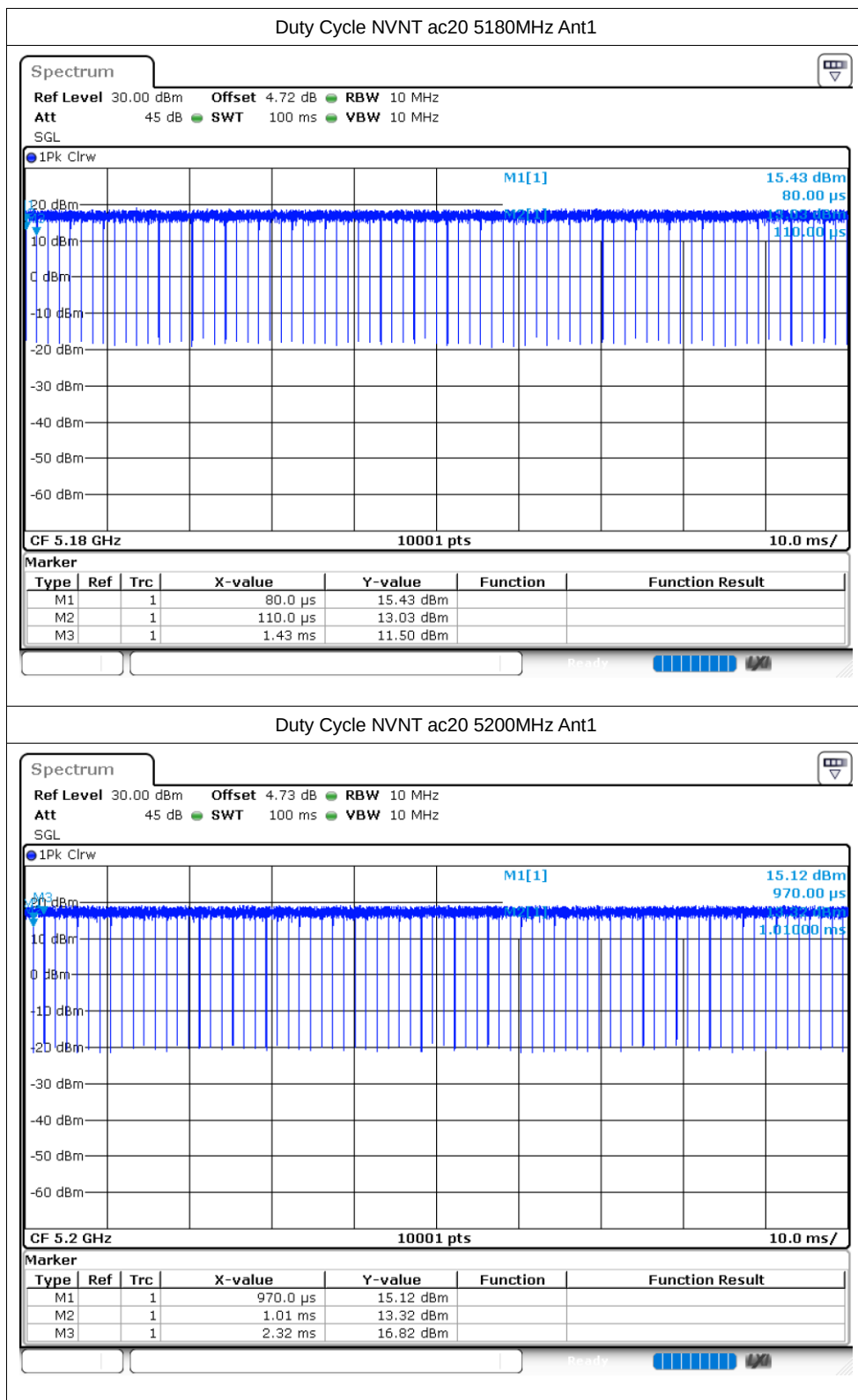


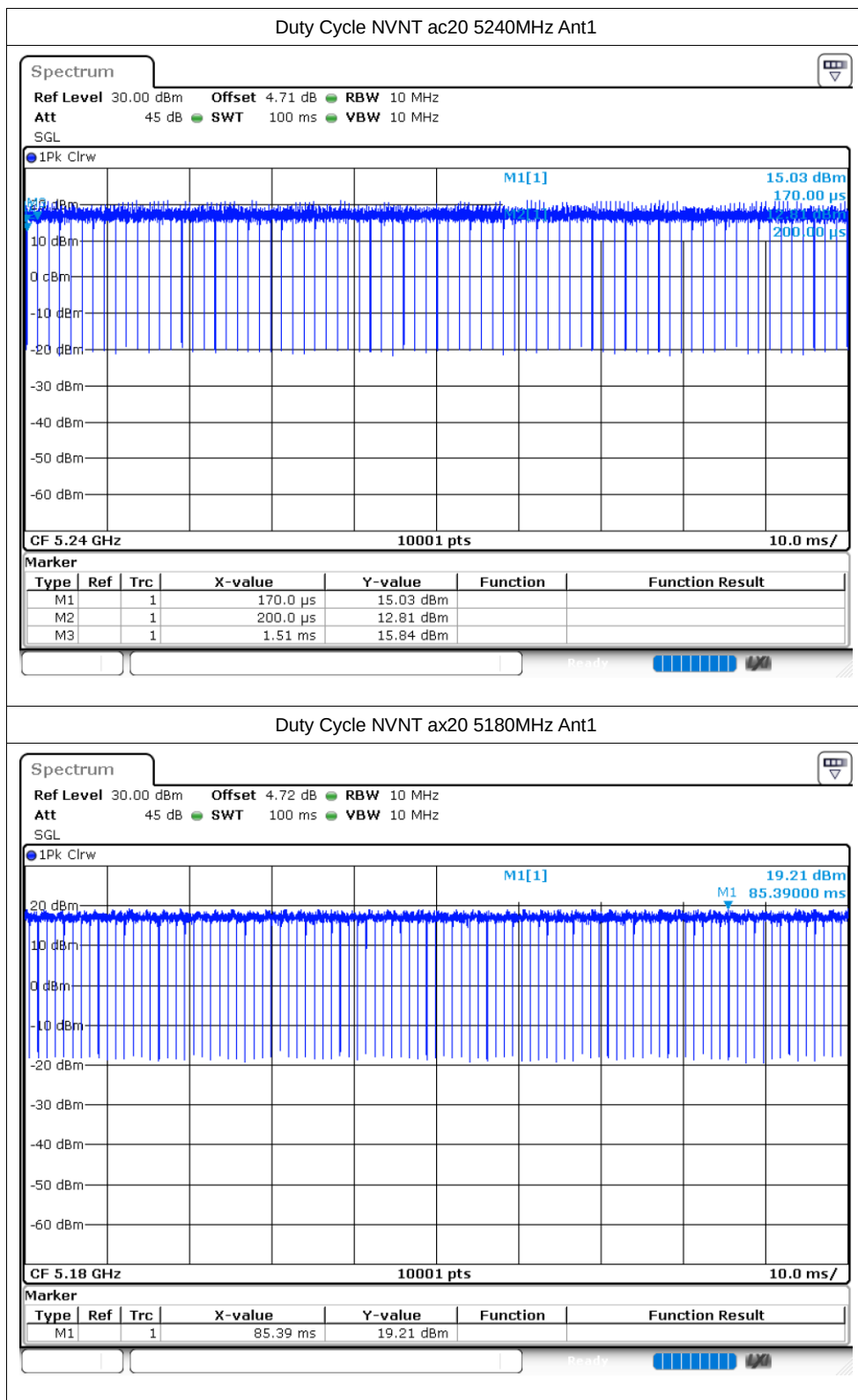
Duty Cycle NVNT a 5200MHz Ant1

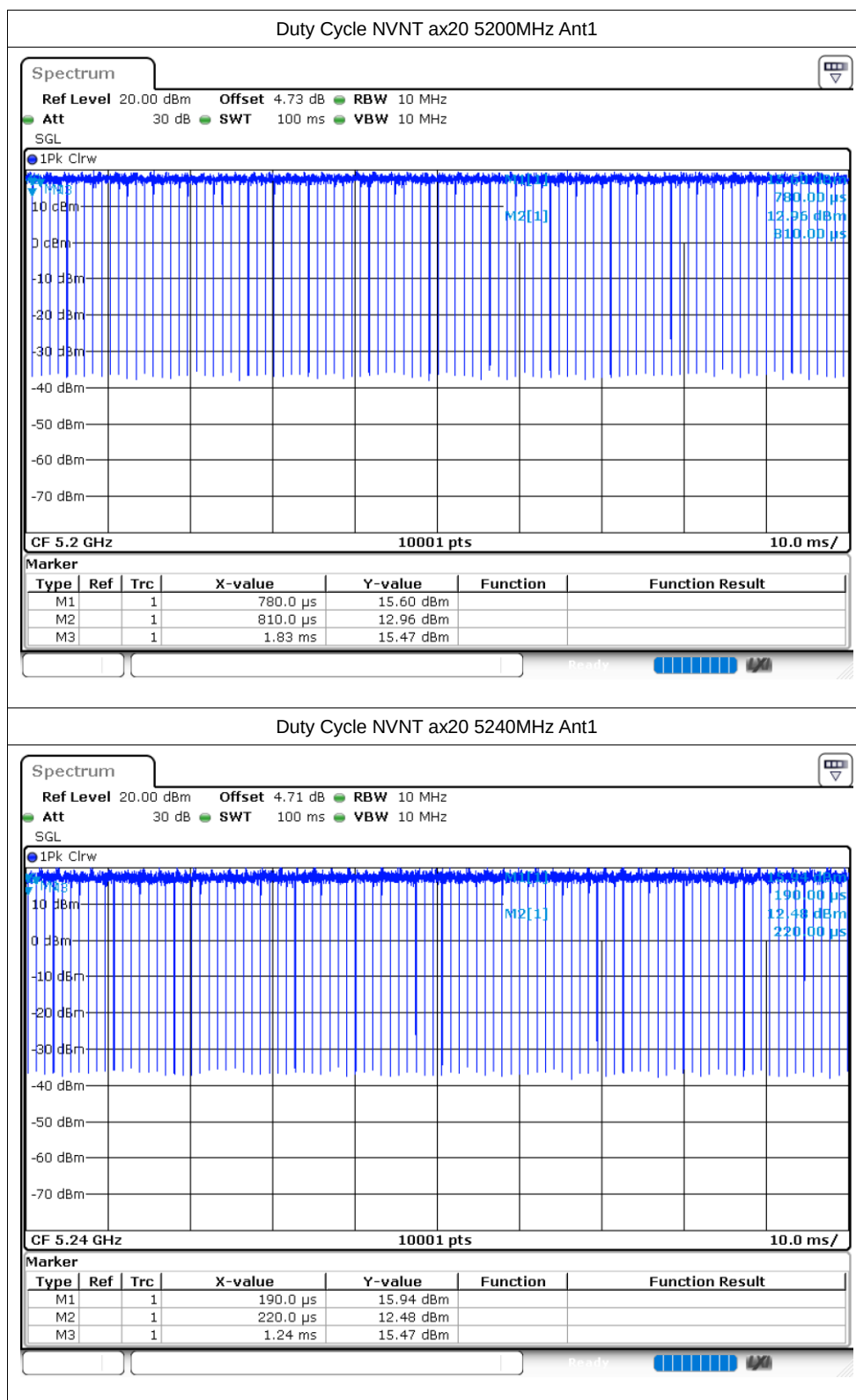












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.4	24	Pass
NVNT	a	5200	Ant1	12.4	24	Pass
NVNT	a	5240	Ant1	12.63	24	Pass
NVNT	n20	5180	Ant1	11.37	24	Pass
NVNT	n20	5200	Ant1	11.59	24	Pass
NVNT	n20	5240	Ant1	11.68	24	Pass
NVNT	ac20	5180	Ant1	11.43	24	Pass
NVNT	ac20	5200	Ant1	11.67	24	Pass
NVNT	ac20	5240	Ant1	11.52	24	Pass
NVNT	ax20	5180	Ant1	11.48	24	Pass
NVNT	ax20	5200	Ant1	11.77	24	Pass
NVNT	ax20	5240	Ant1	11.72	24	Pass

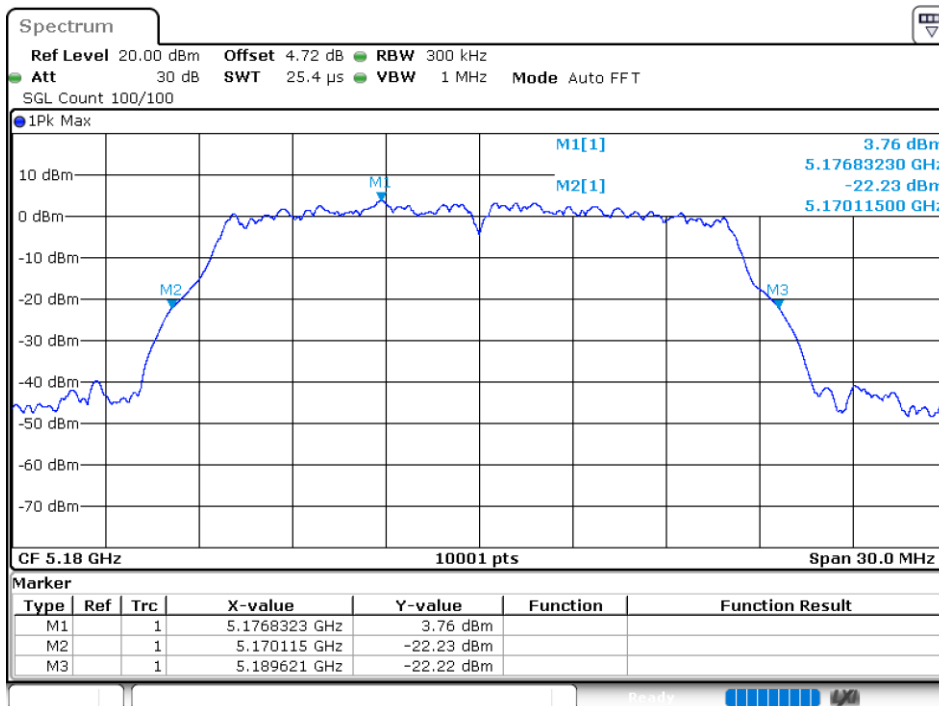
Note: The average power value already includes the duty cycle factor.

-26dB Bandwidth

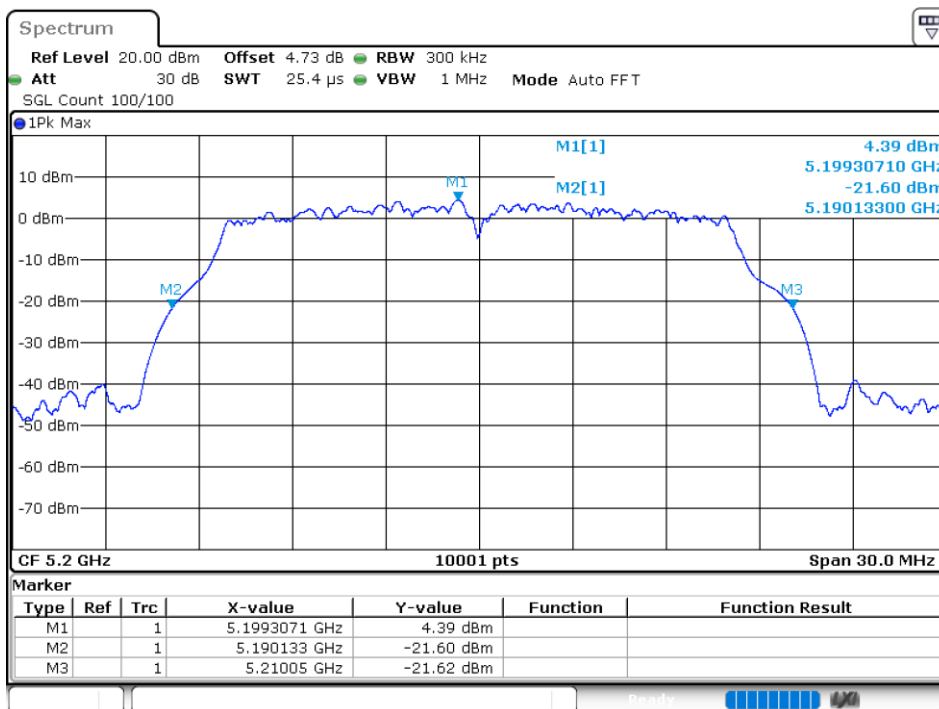
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.506	Pass
NVNT	a	5200	Ant1	19.917	Pass
NVNT	a	5240	Ant1	19.947	Pass
NVNT	n20	5180	Ant1	20.352	Pass
NVNT	n20	5200	Ant1	19.953	Pass
NVNT	n20	5240	Ant1	20.418	Pass
NVNT	ac20	5180	Ant1	20.328	Pass
NVNT	ac20	5200	Ant1	20.073	Pass
NVNT	ac20	5240	Ant1	20.259	Pass
NVNT	ax20	5180	Ant1	20.355	Pass
NVNT	ax20	5200	Ant1	20.7	Pass
NVNT	ax20	5240	Ant1	20.391	Pass

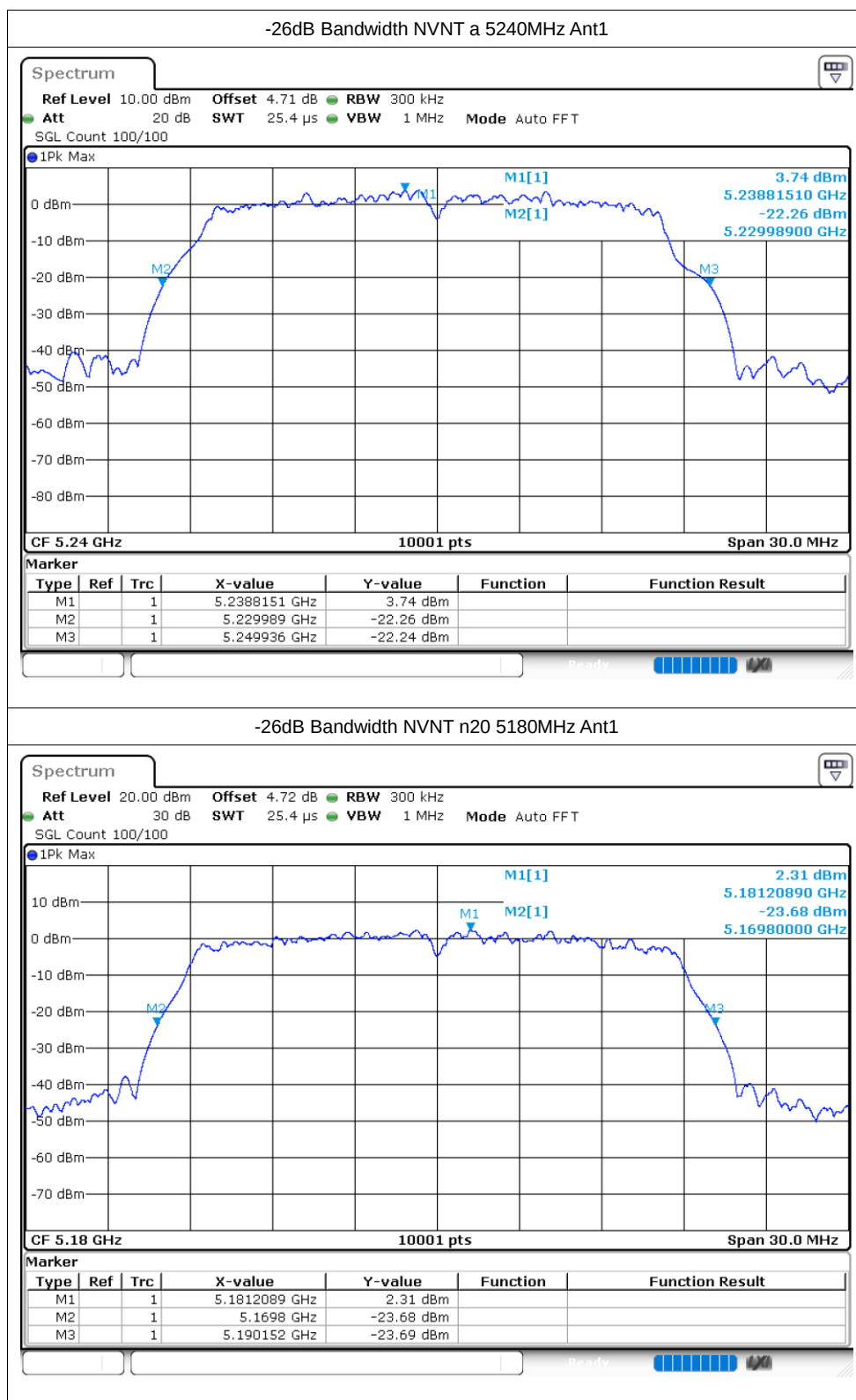
Test Graphs

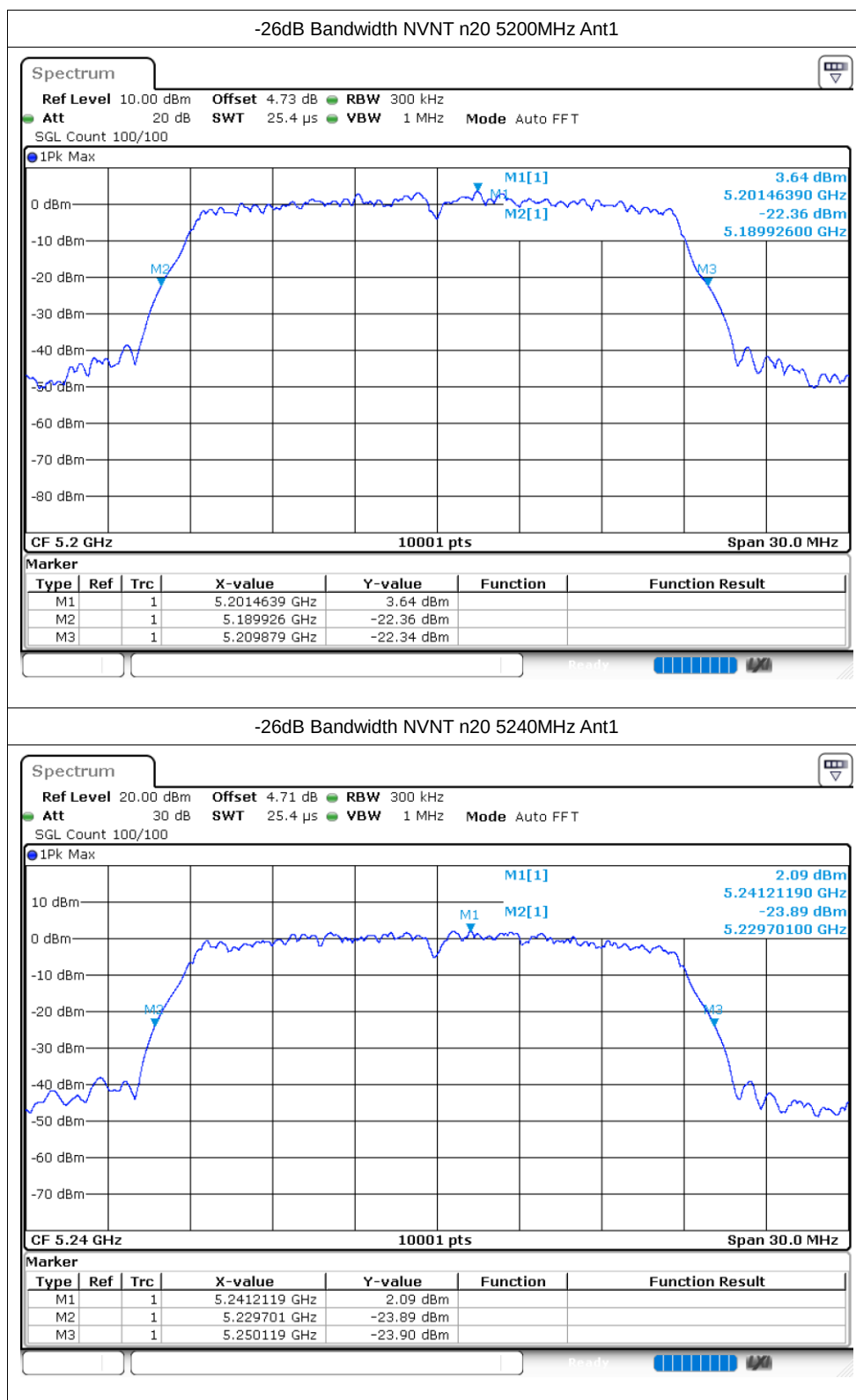
-26dB Bandwidth NVNT a 5180MHz Ant1

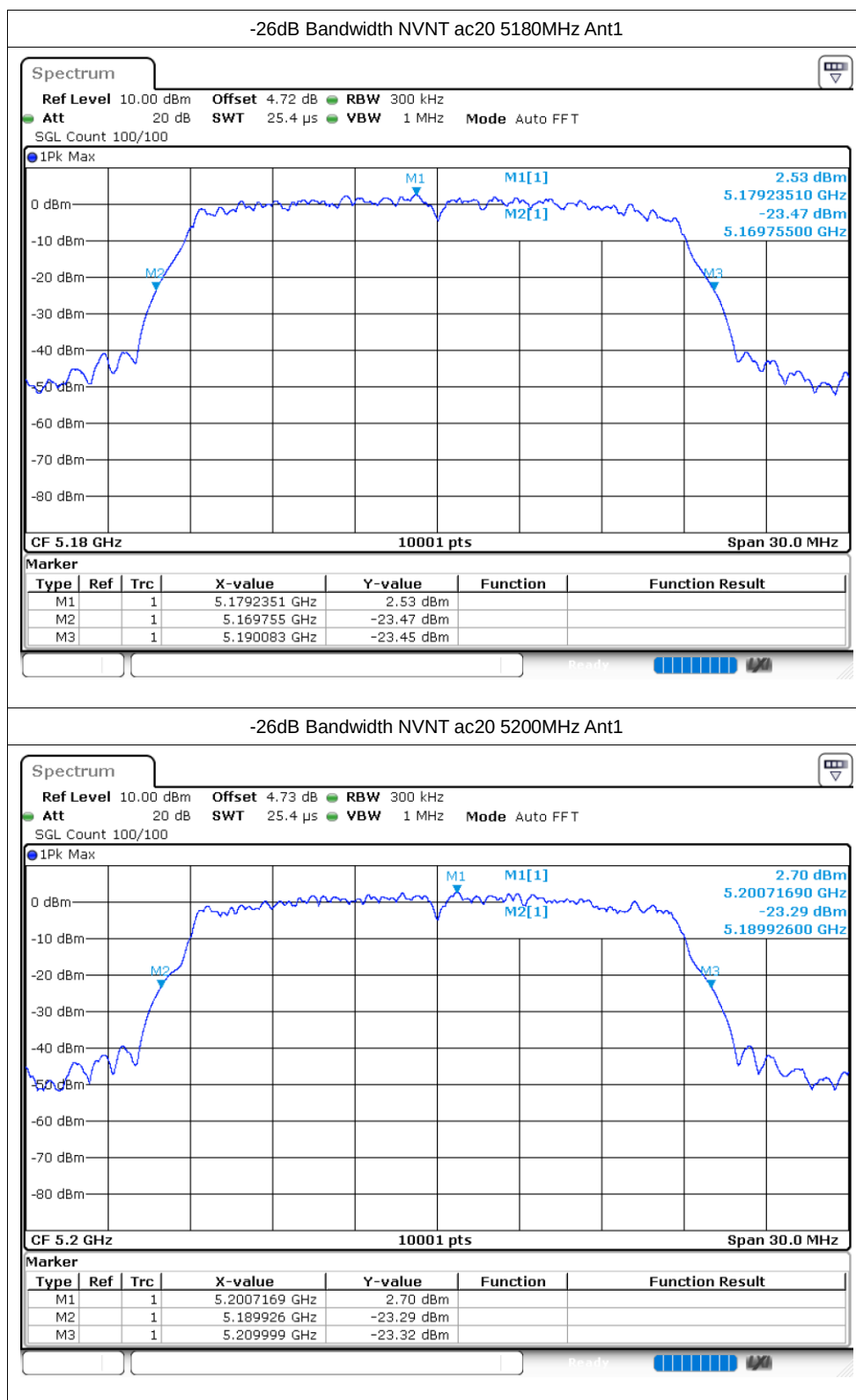


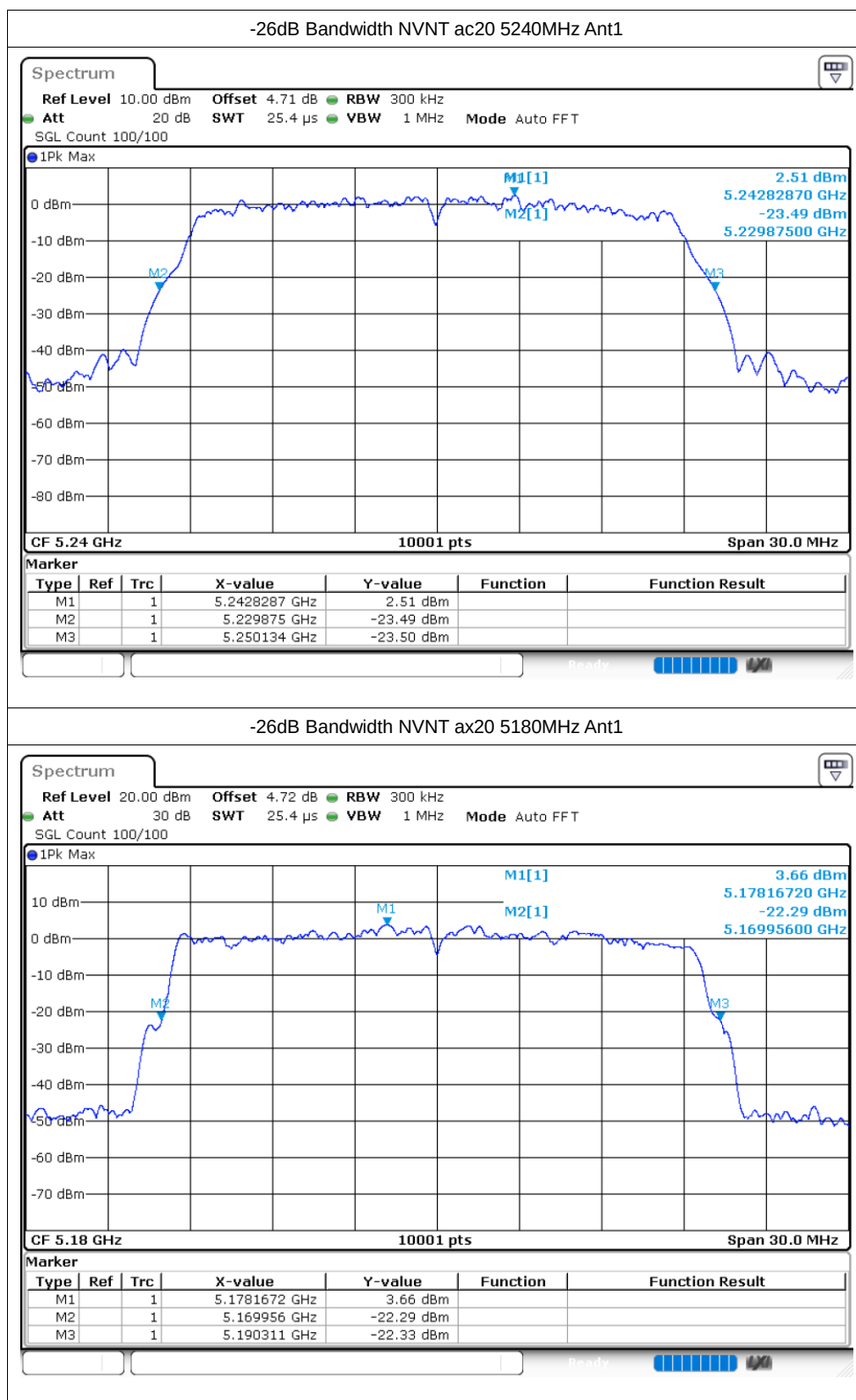
-26dB Bandwidth NVNT a 5200MHz Ant1

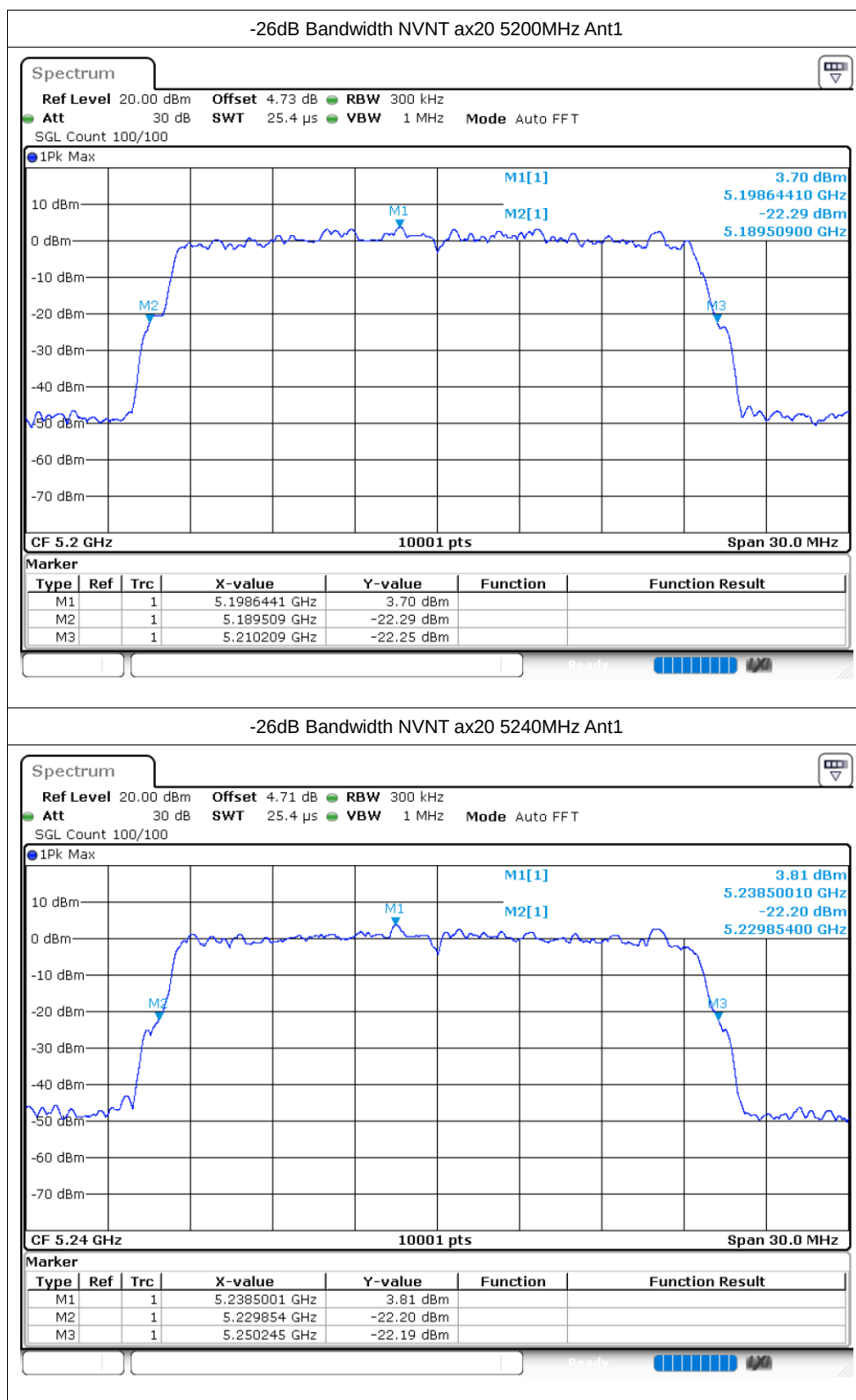










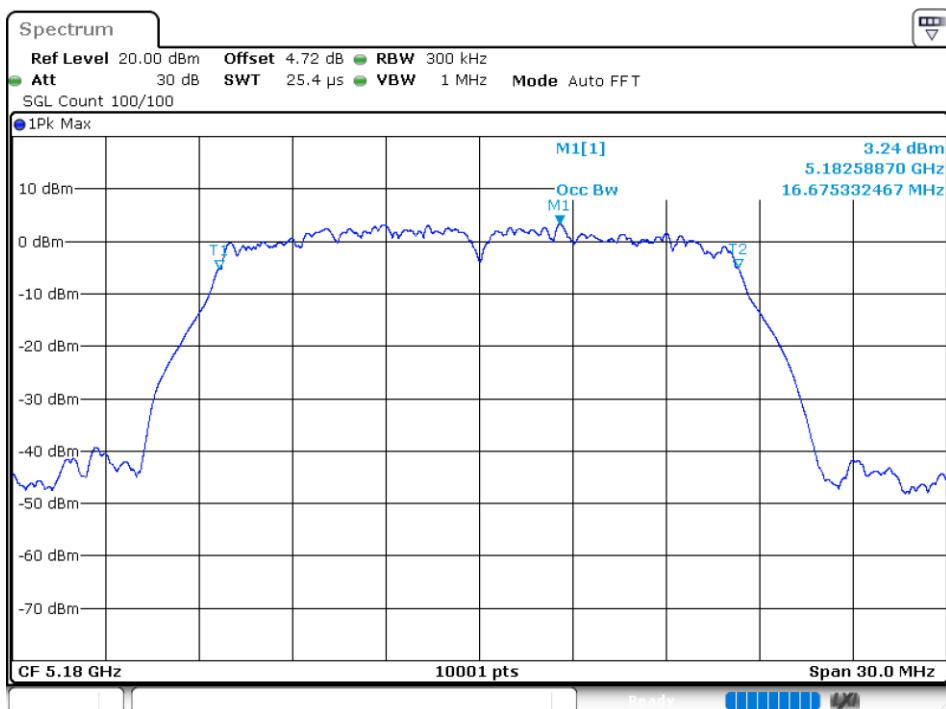


Occupied Channel Bandwidth

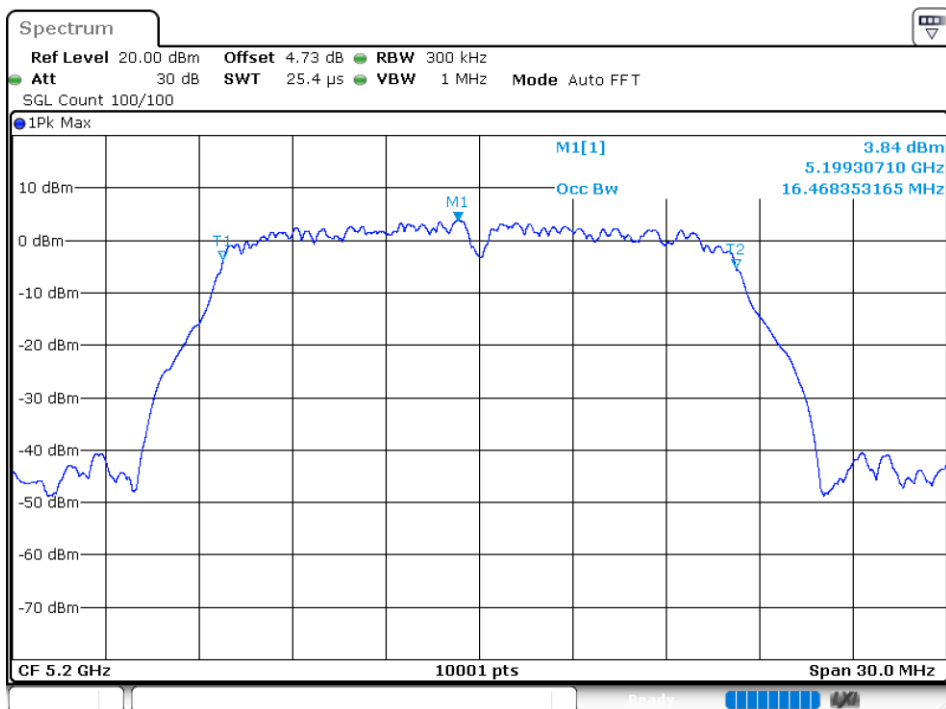
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.675
NVNT	a	5200	Ant1	16.468
NVNT	a	5240	Ant1	16.633
NVNT	n20	5180	Ant1	17.476
NVNT	n20	5200	Ant1	17.611
NVNT	n20	5240	Ant1	17.554
NVNT	ac20	5180	Ant1	17.683
NVNT	ac20	5200	Ant1	17.56
NVNT	ac20	5240	Ant1	17.635
NVNT	ax20	5180	Ant1	18.769
NVNT	ax20	5200	Ant1	18.88
NVNT	ax20	5240	Ant1	18.769

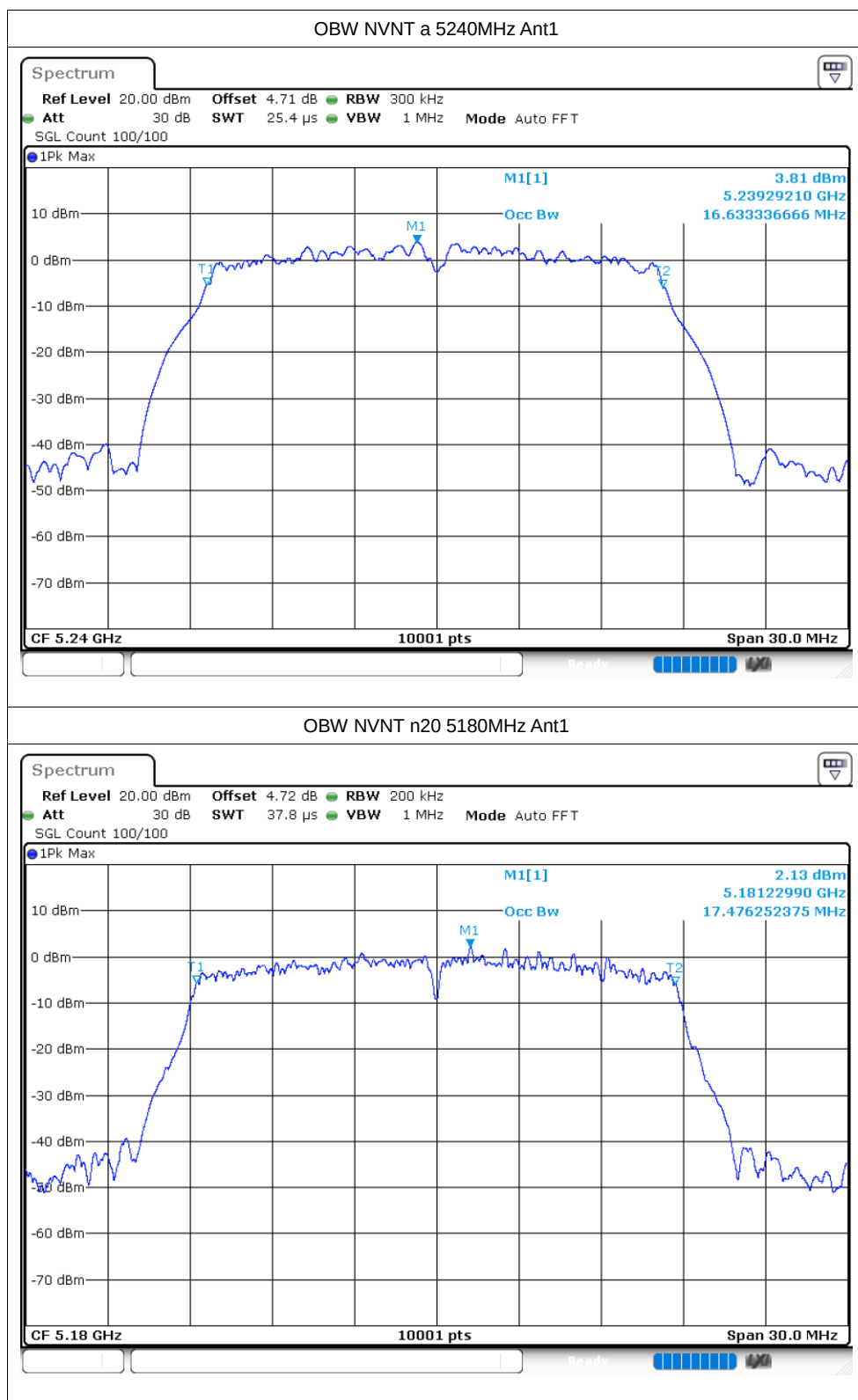
Test Graphs

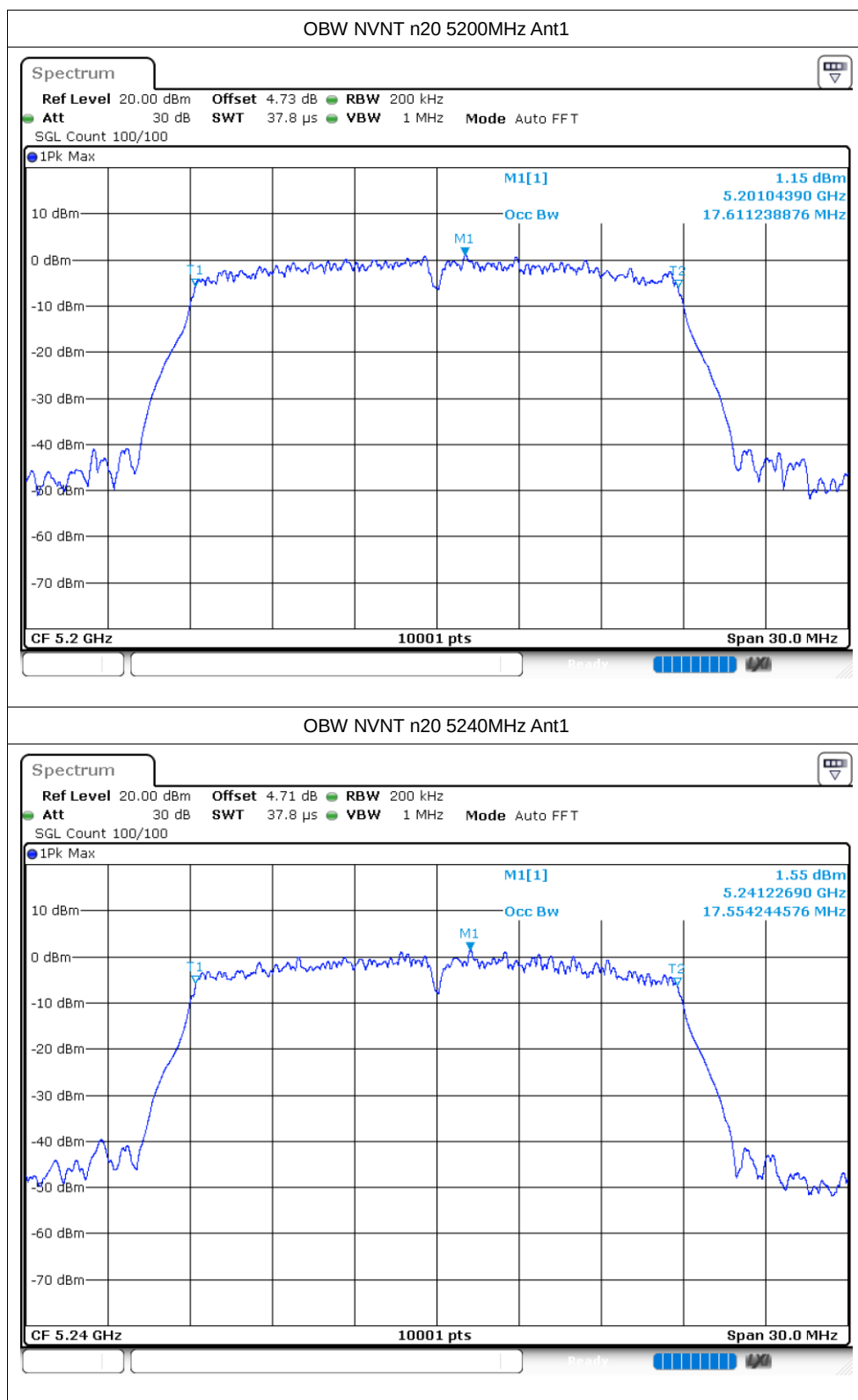
OBW NVNT a 5180MHz Ant1

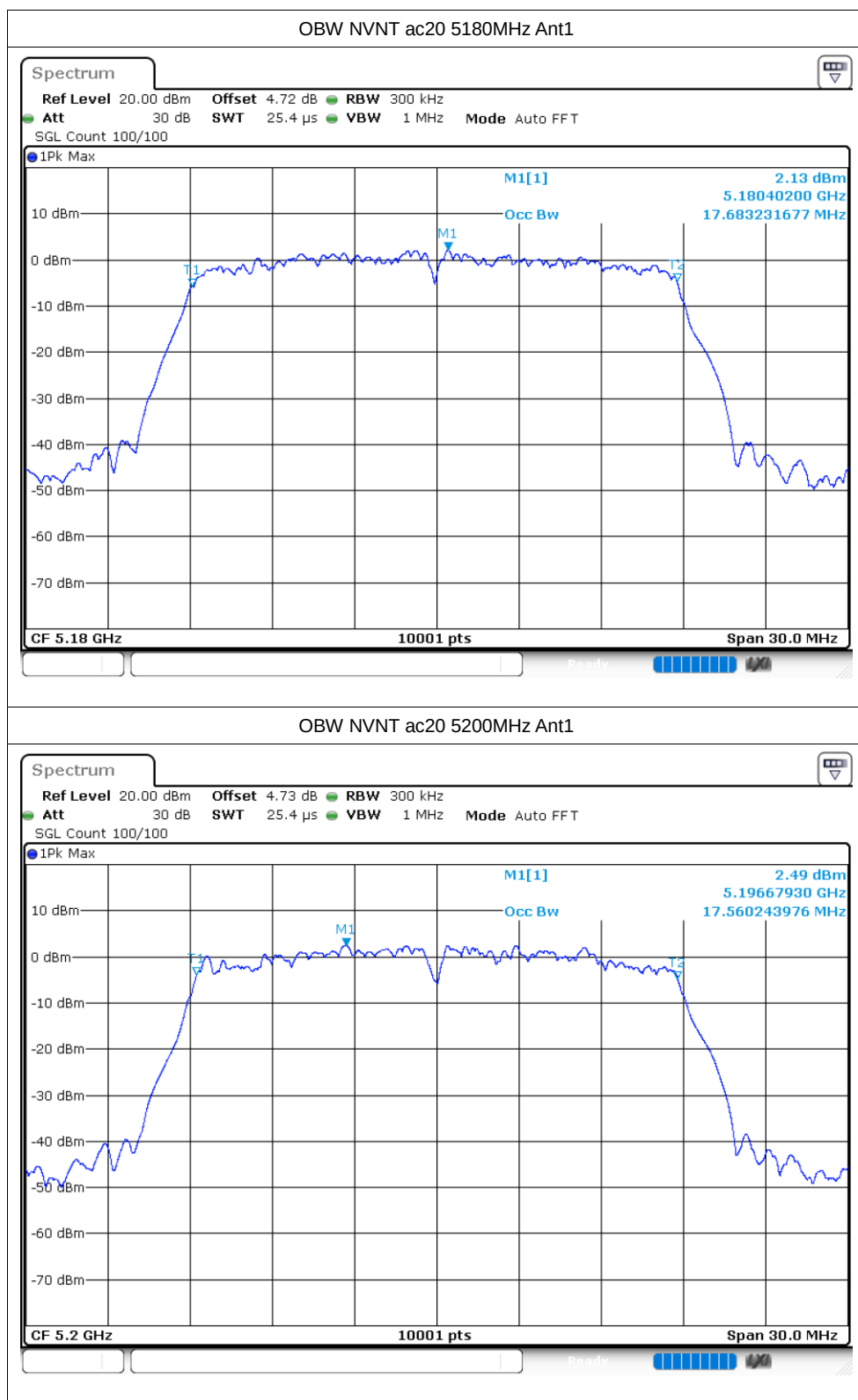


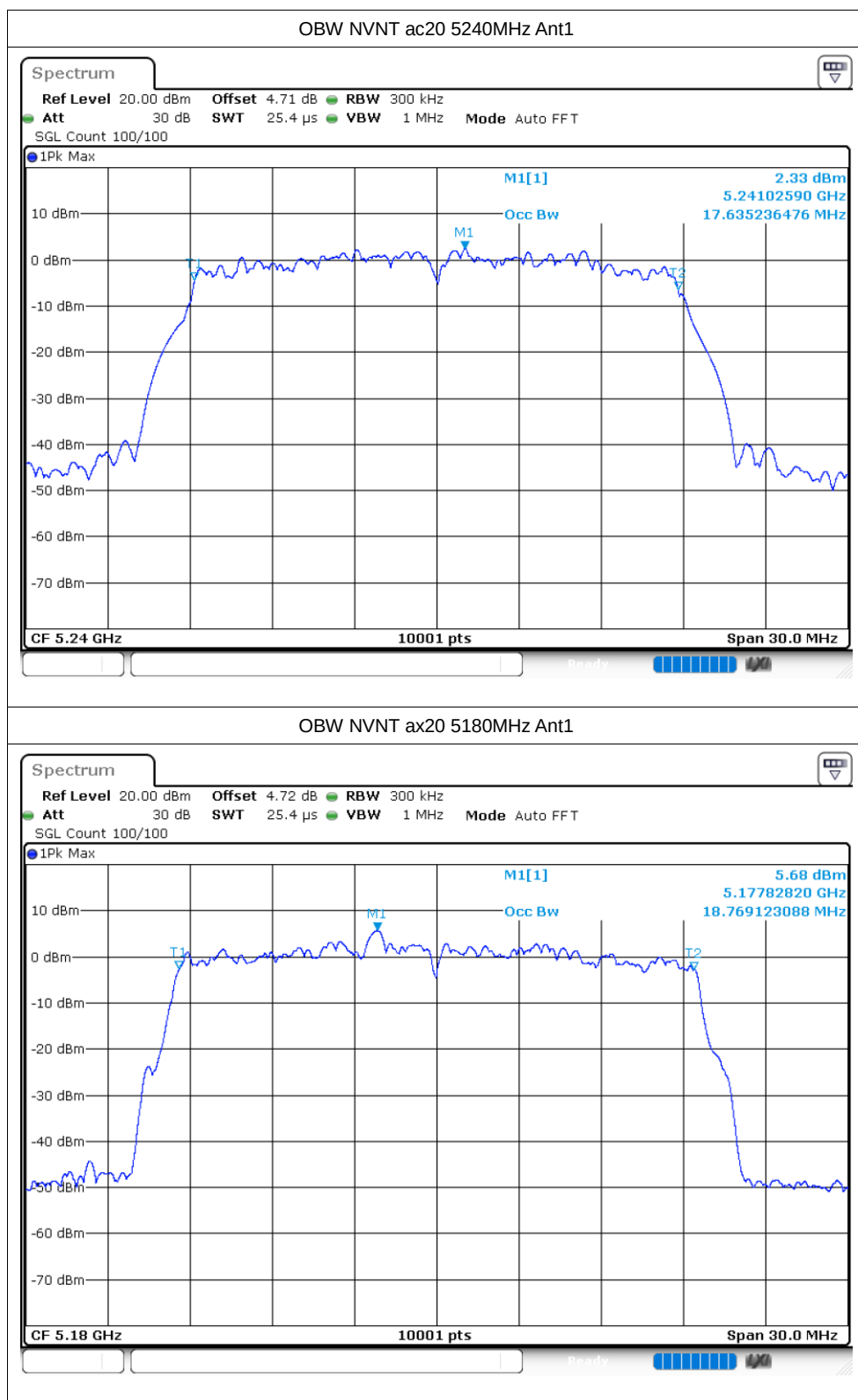
OBW NVNT a 5200MHz Ant1

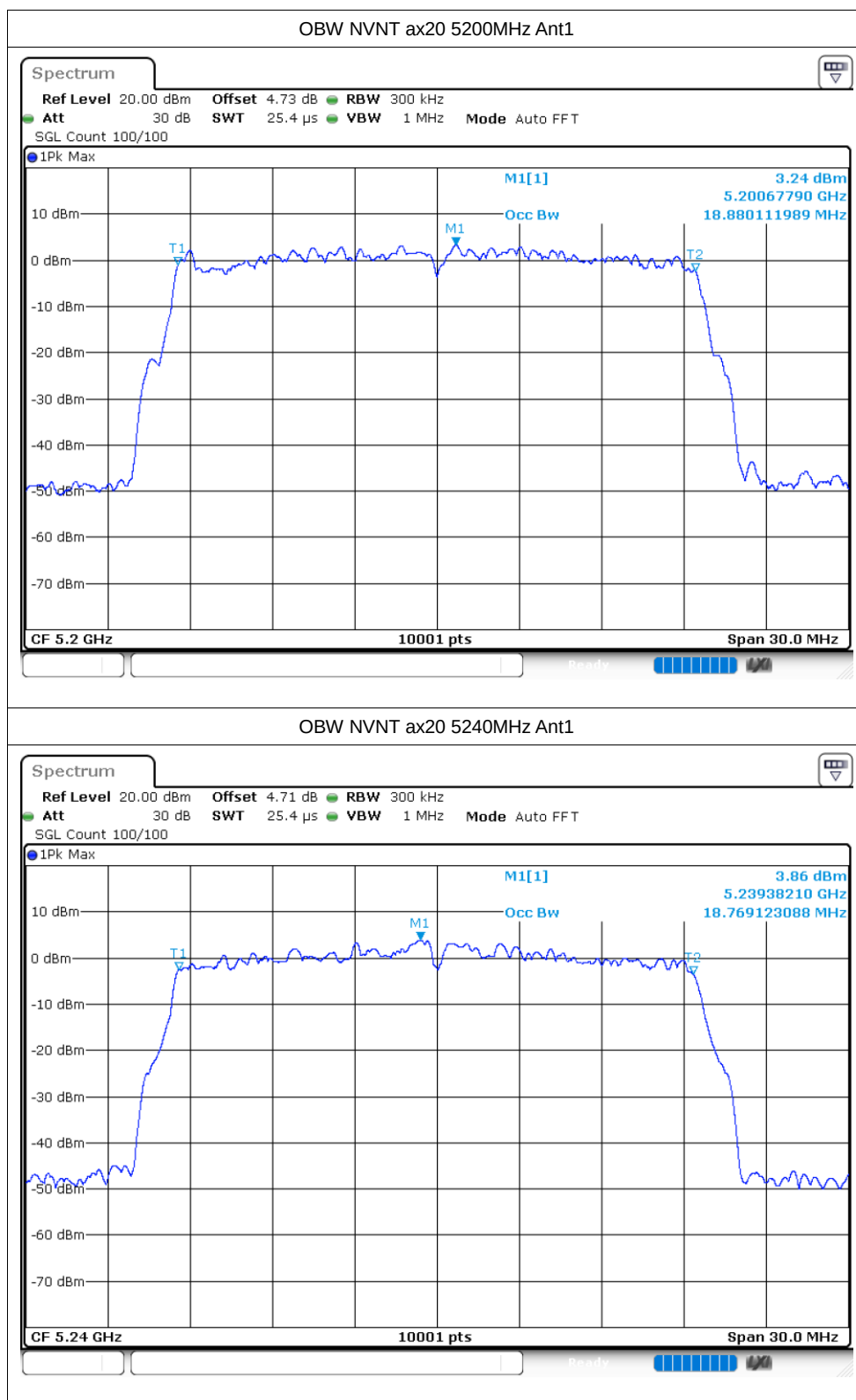










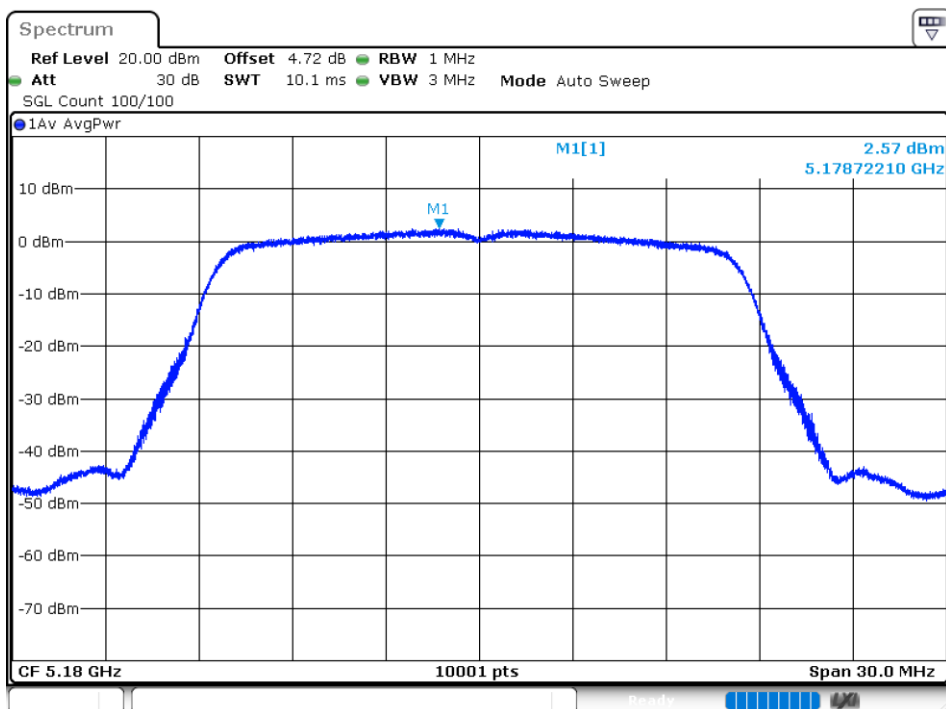


Maximum Power Spectral Density Level

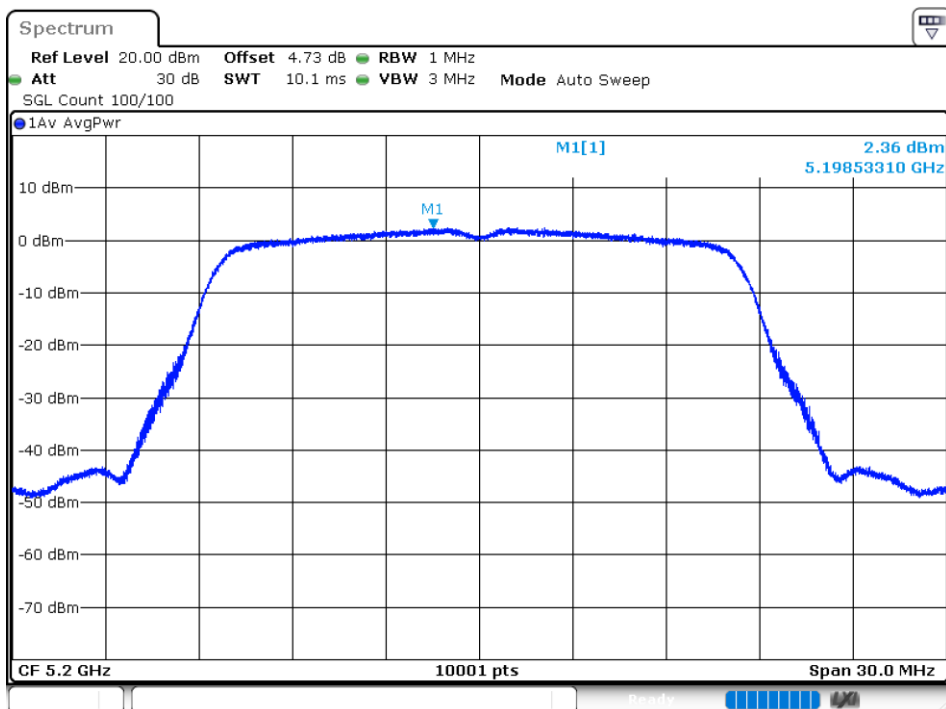
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	2.57	0.11	2.68	11	Pass
NVNT	a	5200	Ant1	2.36	0.11	2.47	11	Pass
NVNT	a	5240	Ant1	1.8	0.11	1.91	11	Pass
NVNT	n20	5180	Ant1	0.65	0.09	0.74	11	Pass
NVNT	n20	5200	Ant1	0.93	0.09	1.02	11	Pass
NVNT	n20	5240	Ant1	0.54	0.09	0.63	11	Pass
NVNT	ac20	5180	Ant1	1.08	0.09	1.17	11	Pass
NVNT	ac20	5200	Ant1	1.25	0.08	1.33	11	Pass
NVNT	ac20	5240	Ant1	1.07	0.09	1.16	11	Pass
NVNT	ax20	5180	Ant1	1.06	0	1.06	11	Pass
NVNT	ax20	5200	Ant1	0.89	0.1	0.99	11	Pass
NVNT	ax20	5240	Ant1	0.82	0.1	0.92	11	Pass

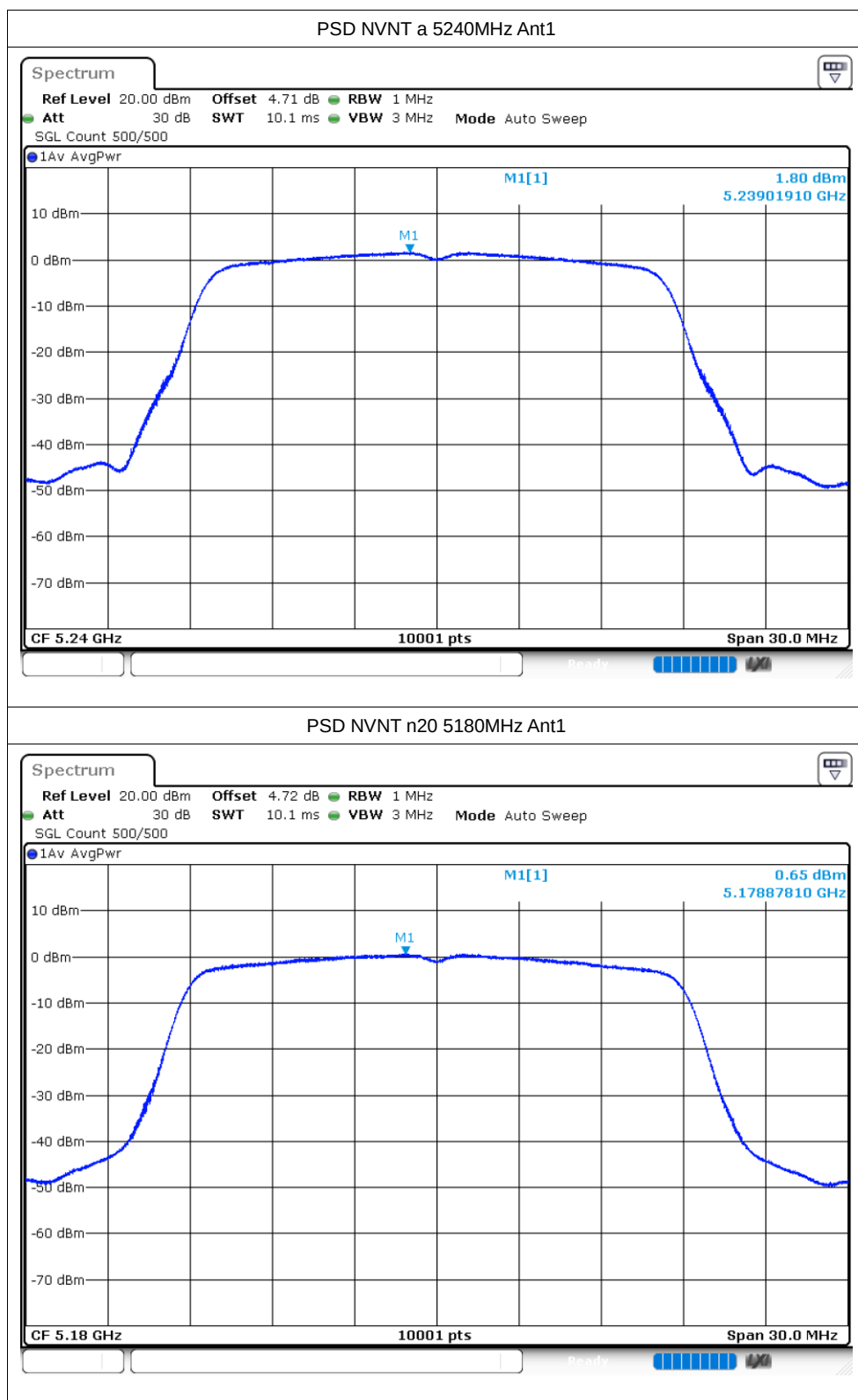
Test Graphs

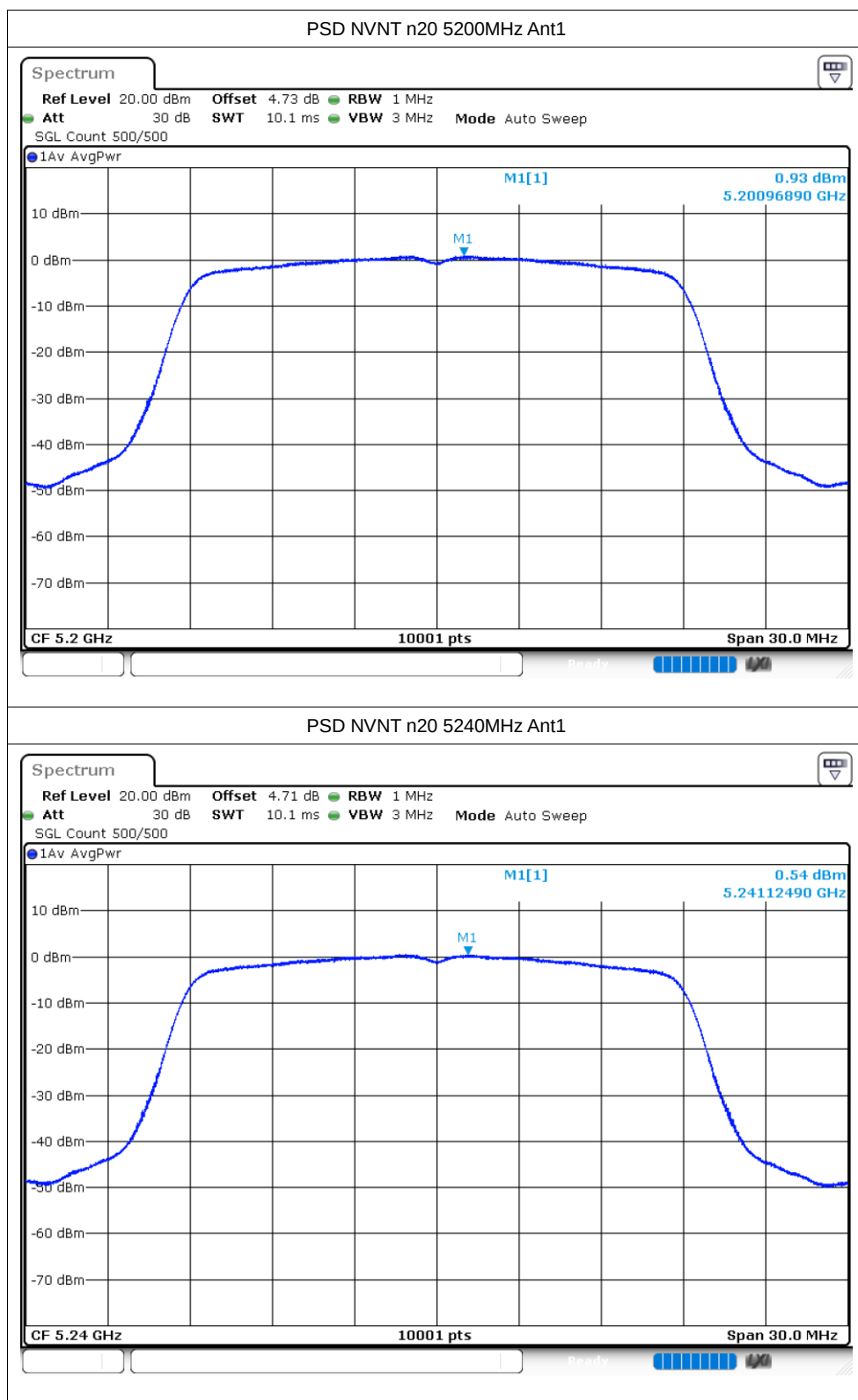
PSD NVNT a 5180MHz Ant1

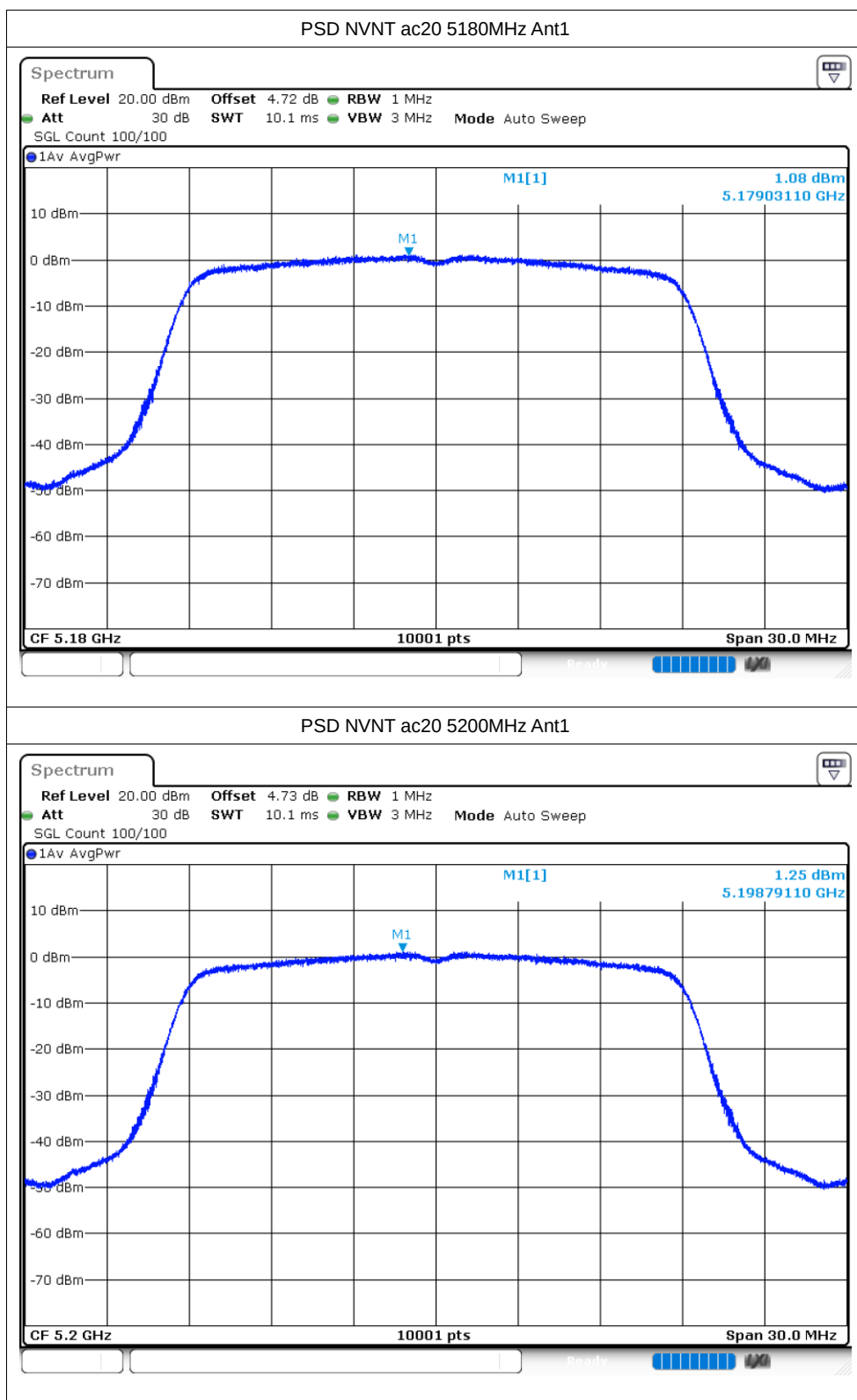


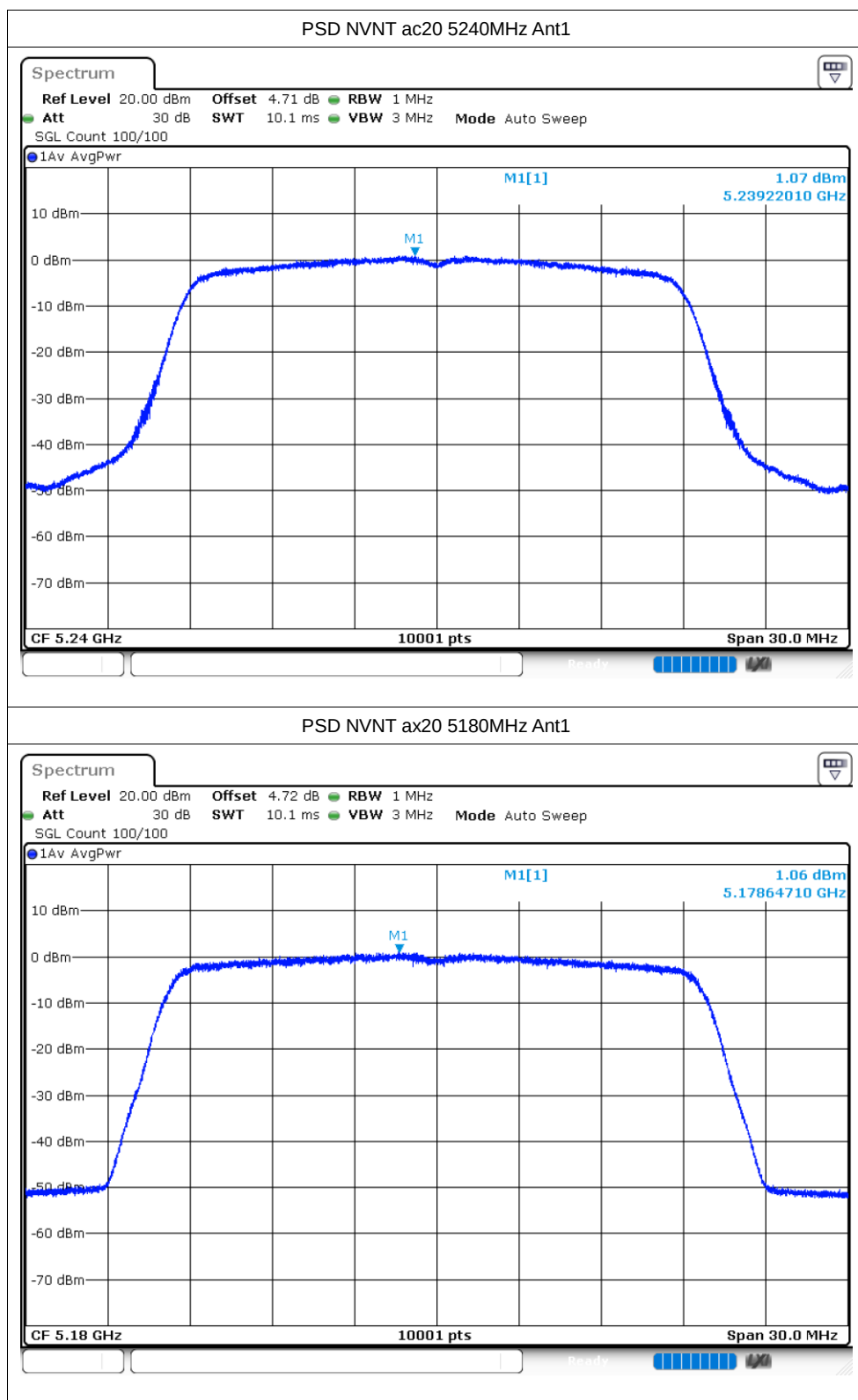
PSD NVNT a 5200MHz Ant1

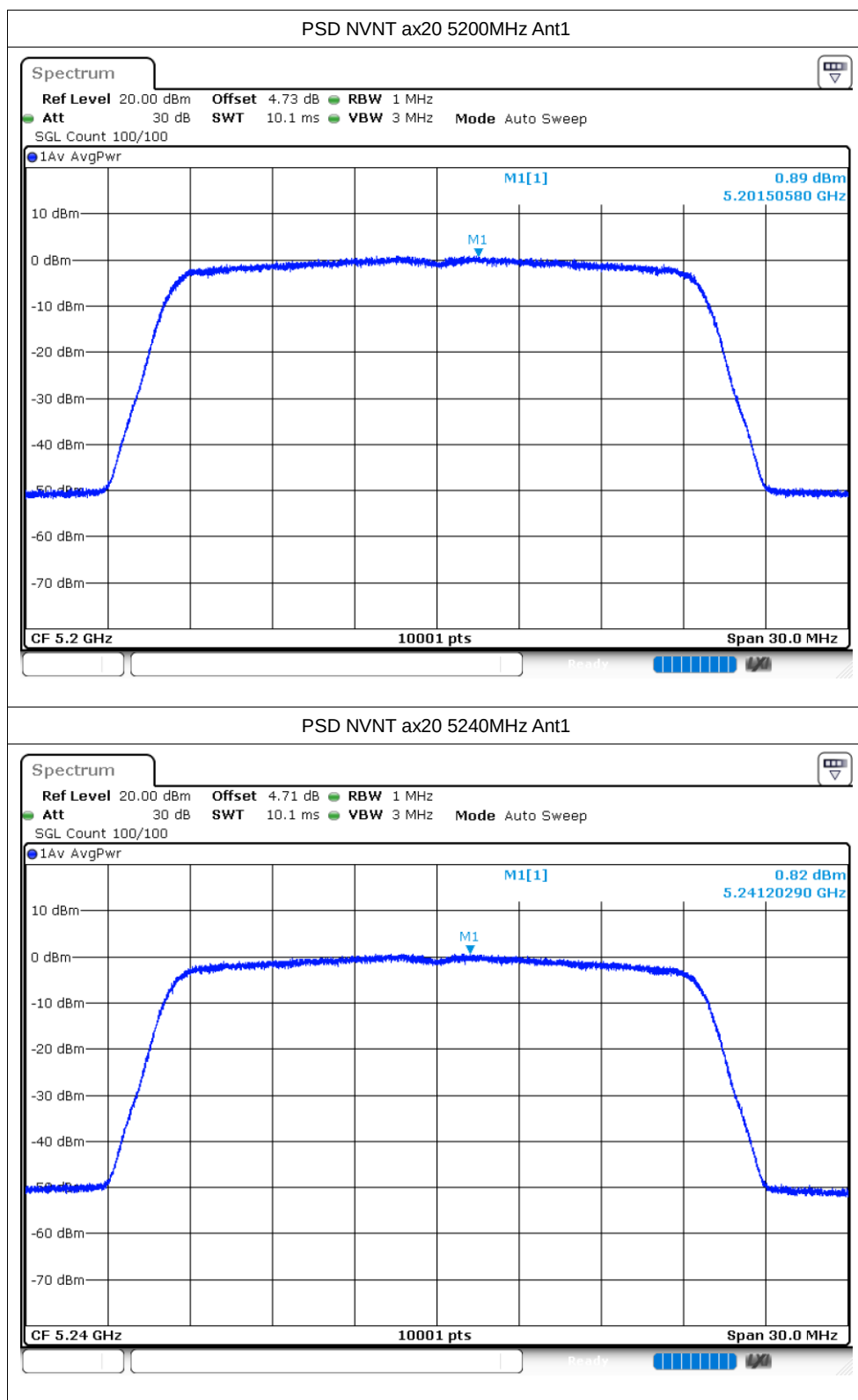










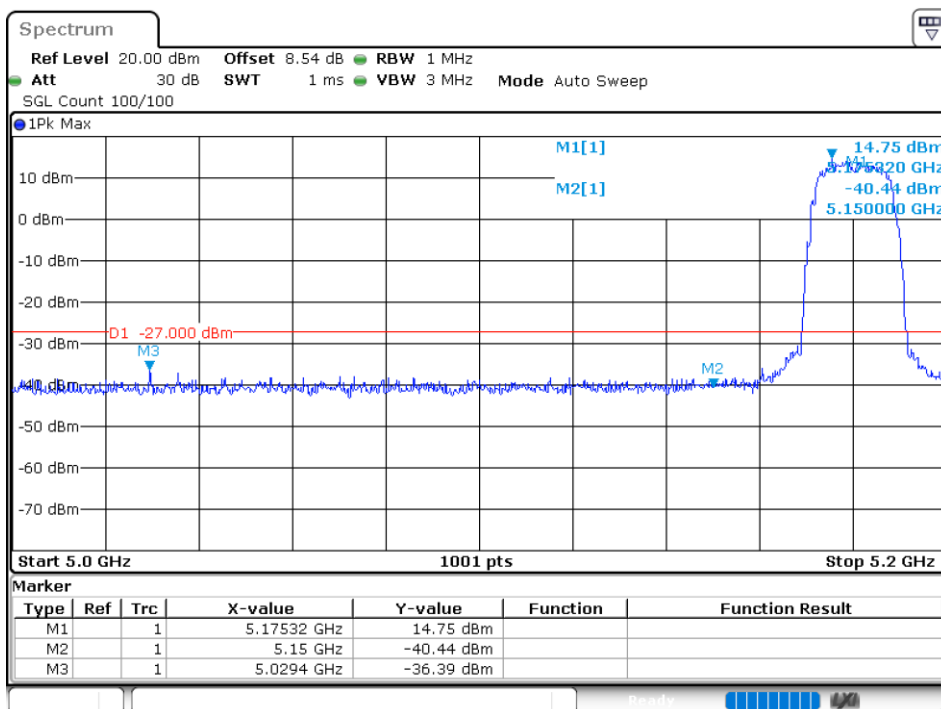


Band Edge

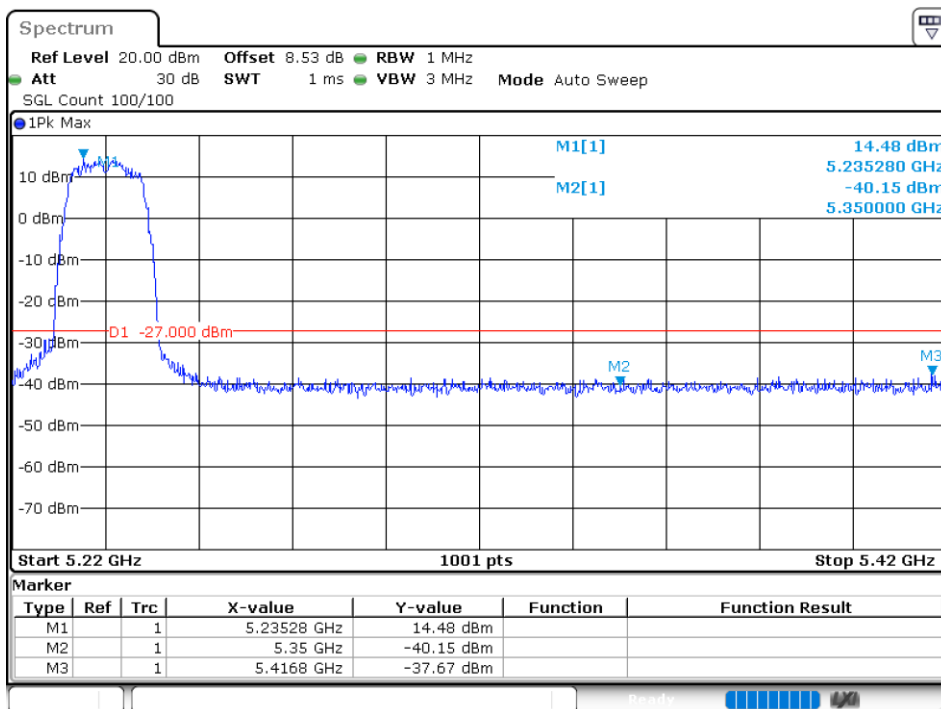
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-36.39	-27	Pass
NVNT	a	5240	Ant1	-37.66	-27	Pass
NVNT	n20	5180	Ant1	-37.58	-27	Pass
NVNT	n20	5240	Ant1	-38.15	-27	Pass
NVNT	ac20	5180	Ant1	-37.48	-27	Pass
NVNT	ac20	5240	Ant1	-37.85	-27	Pass
NVNT	ax20	5180	Ant1	-38.01	-27	Pass
NVNT	ax20	5240	Ant1	-38.02	-27	Pass

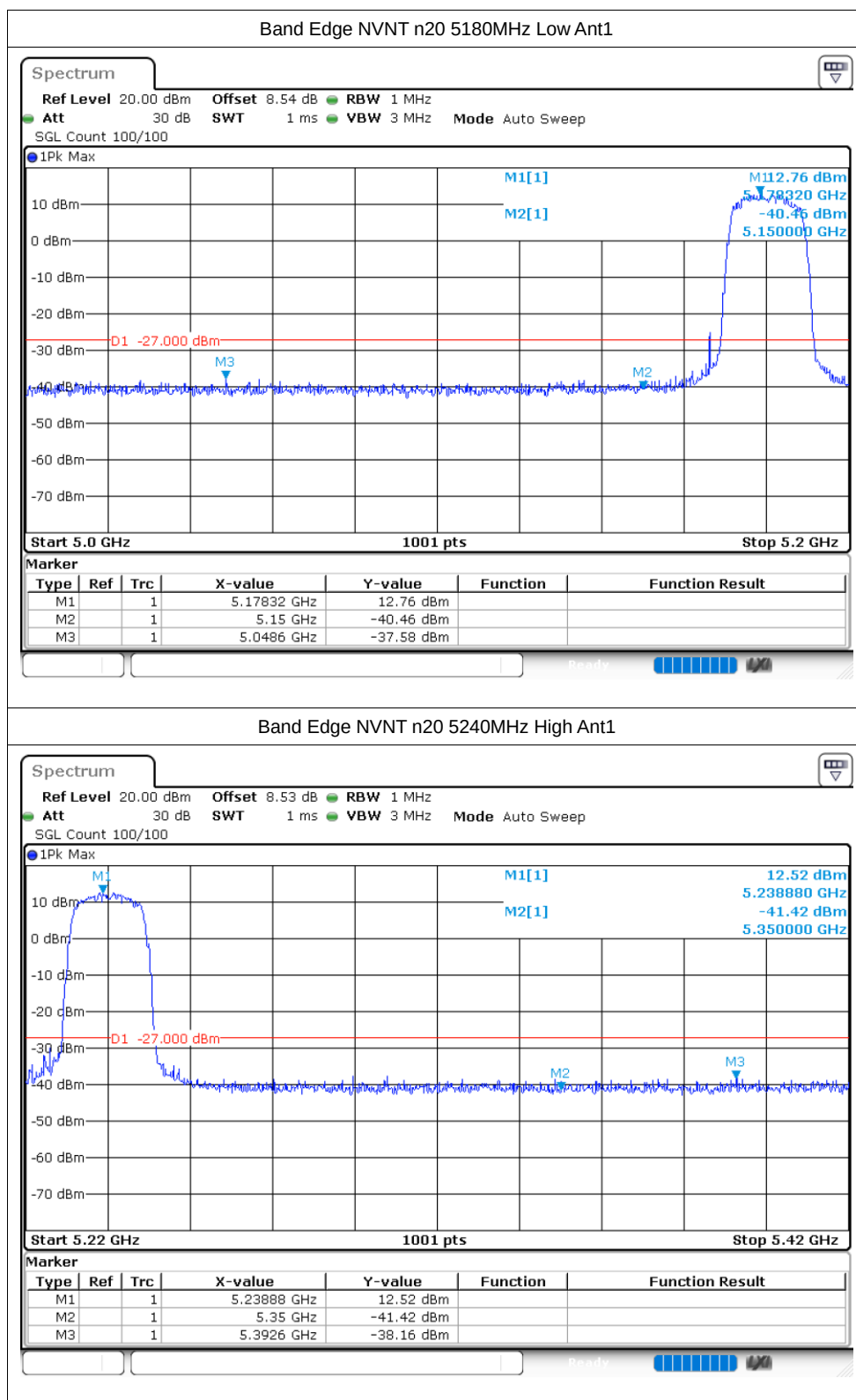
Test Graphs

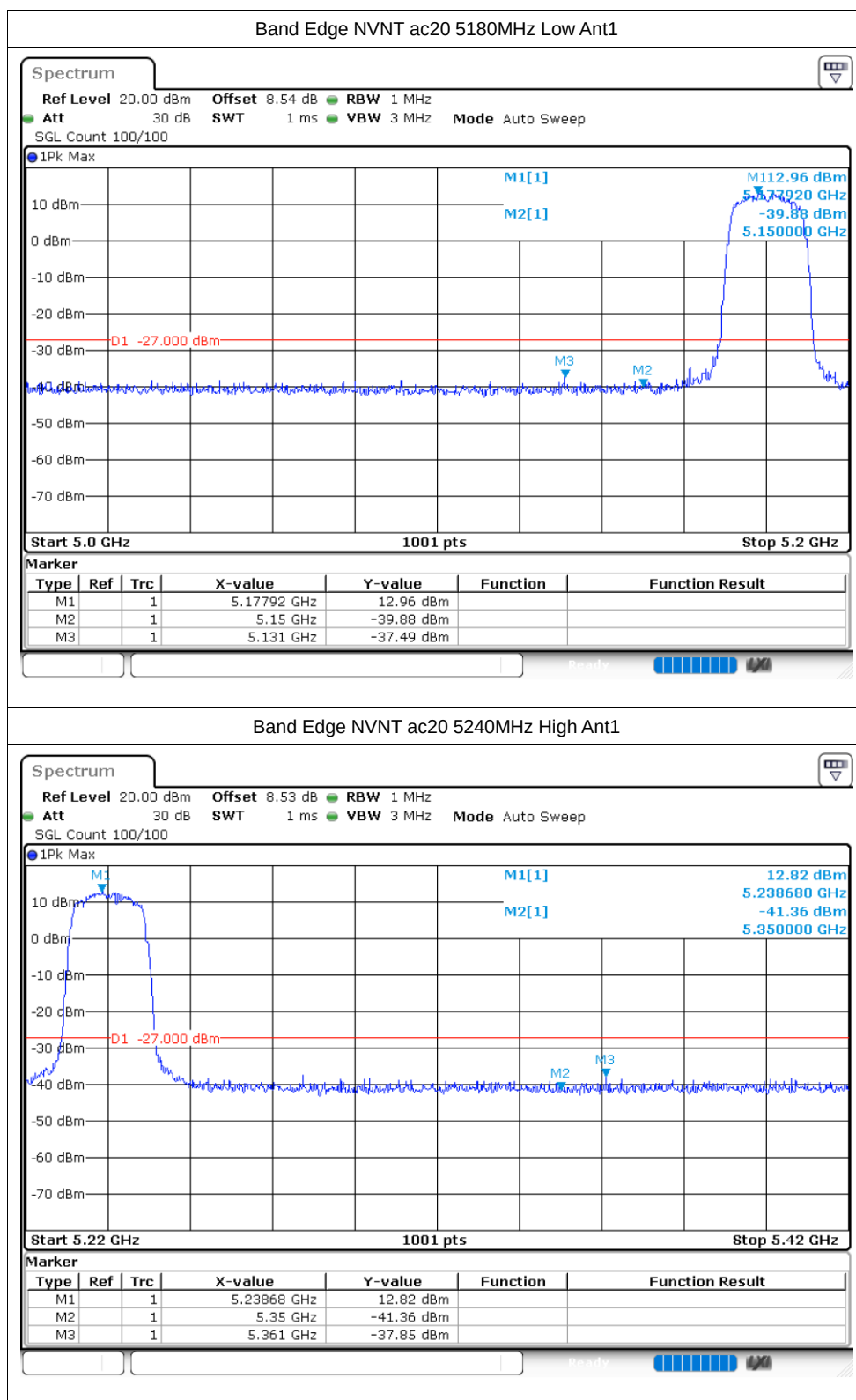
Band Edge NVNT a 5180MHz Low Ant1

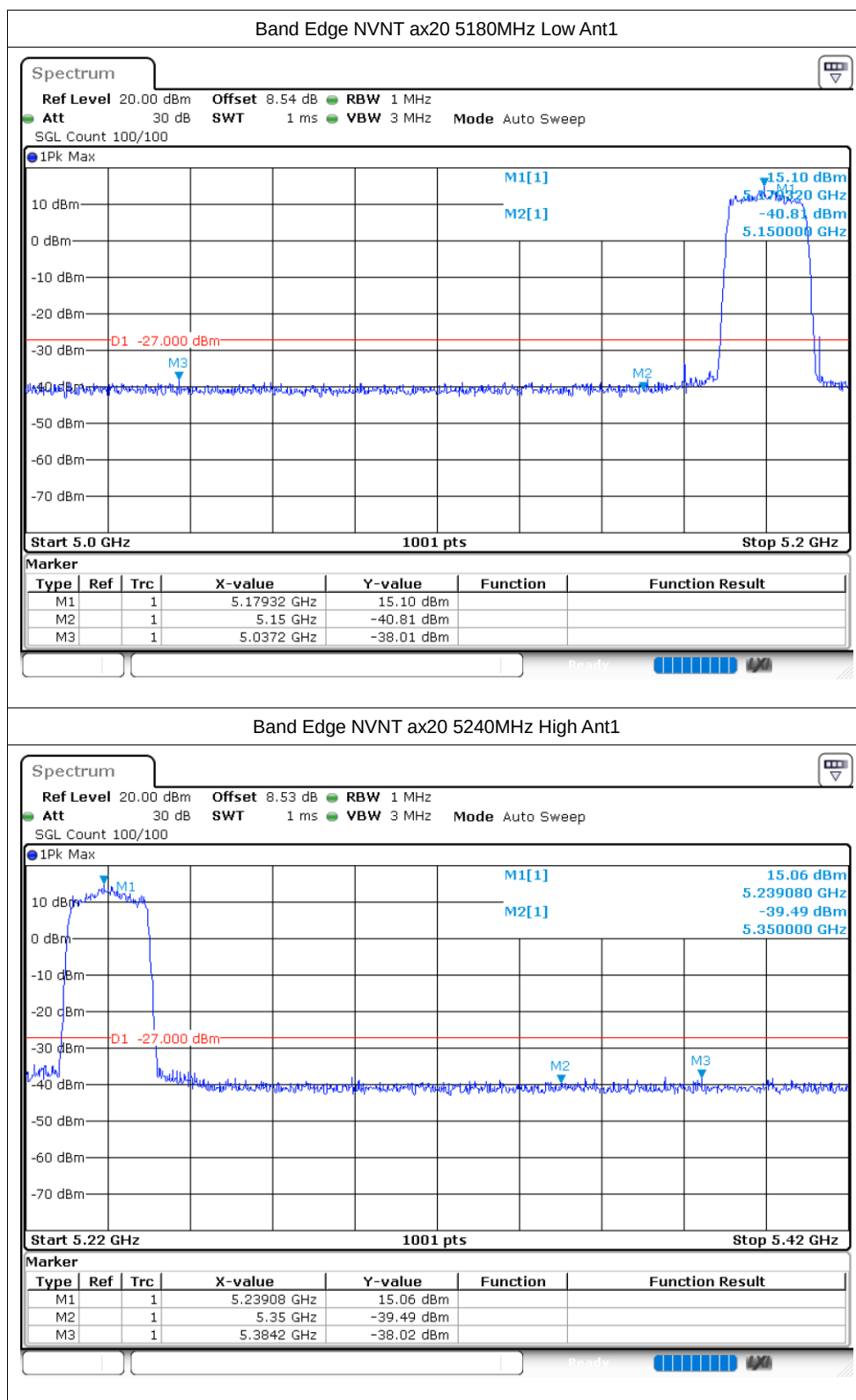


Band Edge NVNT a 5240MHz High Ant1



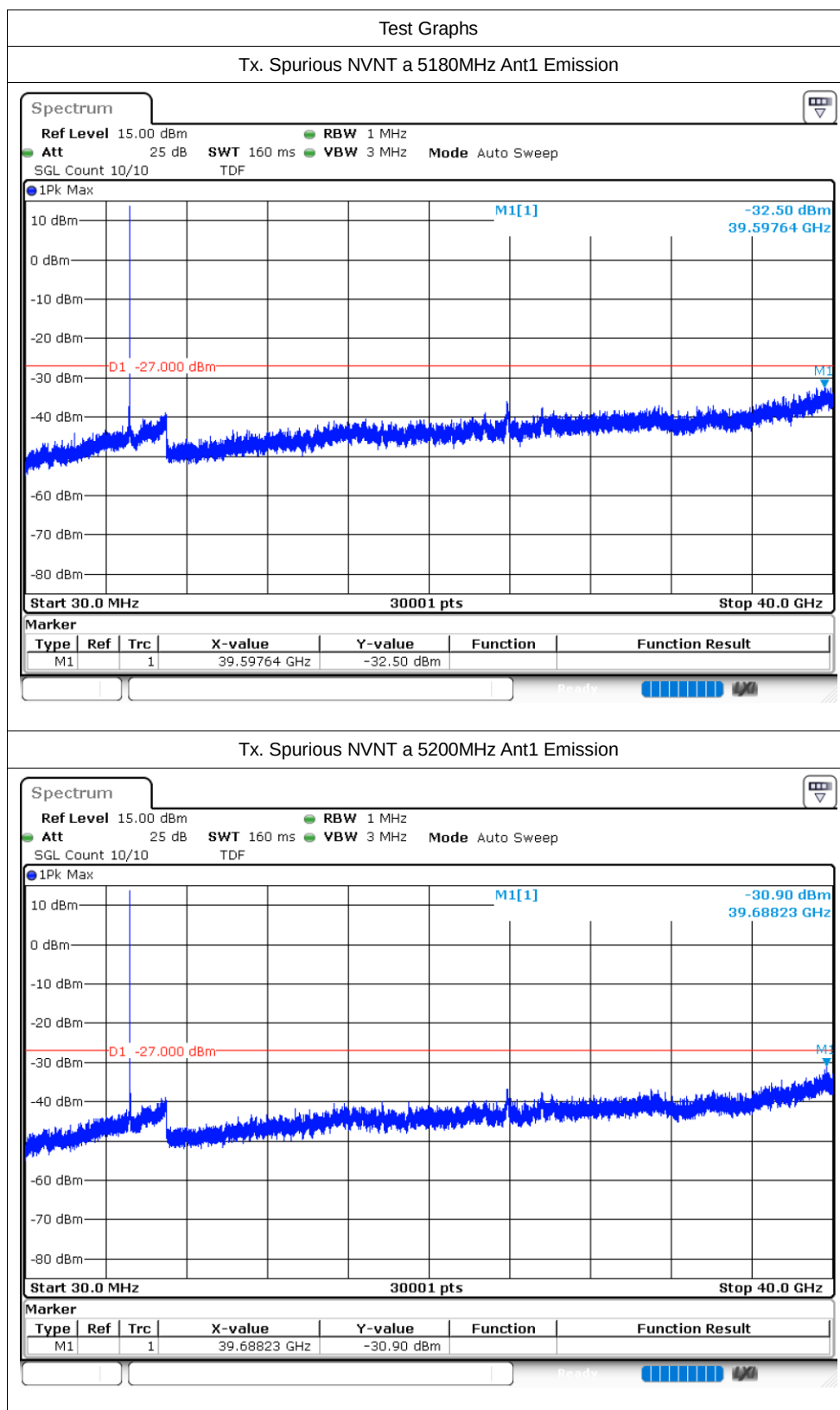




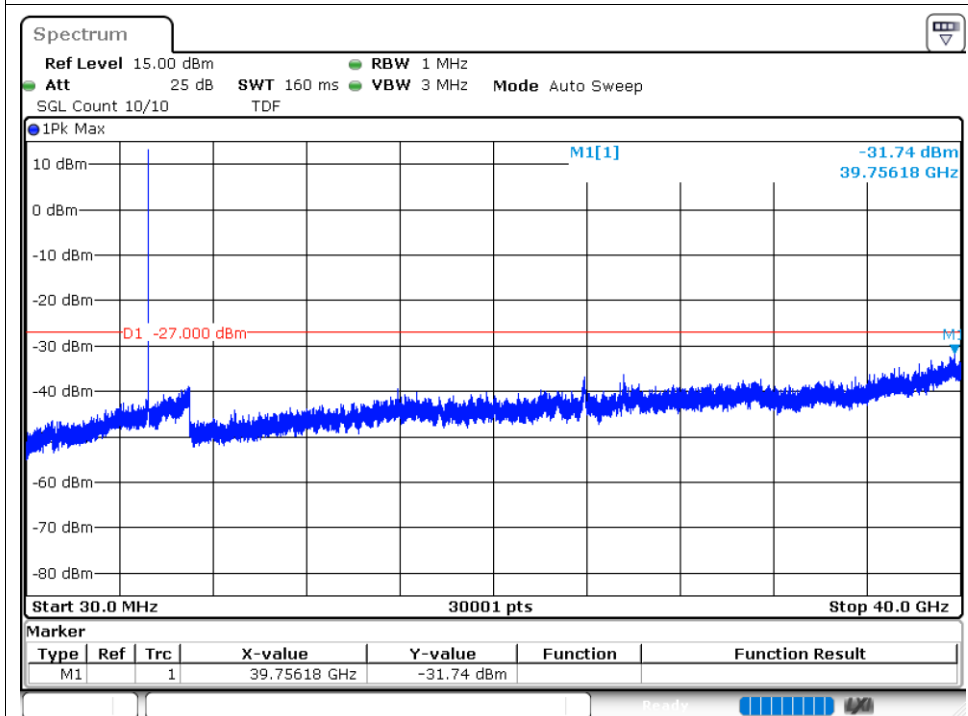


Conducted RF Spurious Emission

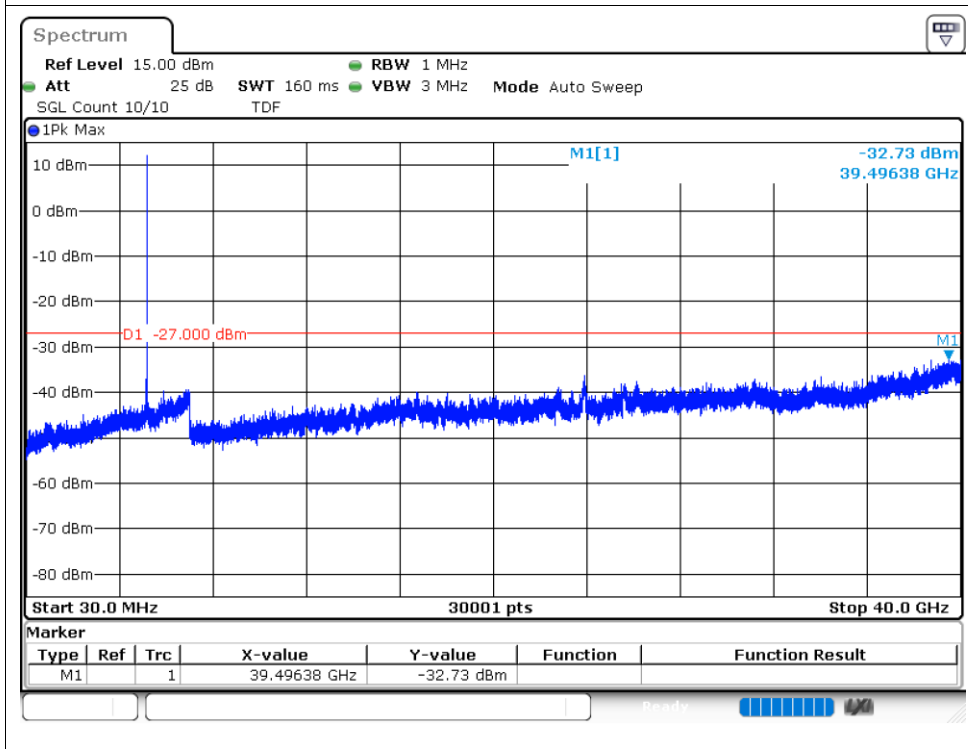
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.49	-27	Pass
NVNT	a	5200	Ant1	-30.9	-27	Pass
NVNT	a	5240	Ant1	-31.74	-27	Pass
NVNT	n20	5180	Ant1	-32.73	-27	Pass
NVNT	n20	5200	Ant1	-32.41	-27	Pass
NVNT	n20	5240	Ant1	-31.55	-27	Pass
NVNT	ac20	5180	Ant1	-31.76	-27	Pass
NVNT	ac20	5200	Ant1	-31.34	-27	Pass
NVNT	ac20	5240	Ant1	-31.91	-27	Pass
NVNT	ax20	5180	Ant1	-32.31	-27	Pass
NVNT	ax20	5200	Ant1	-32.51	-27	Pass
NVNT	ax20	5240	Ant1	-32.66	-27	Pass

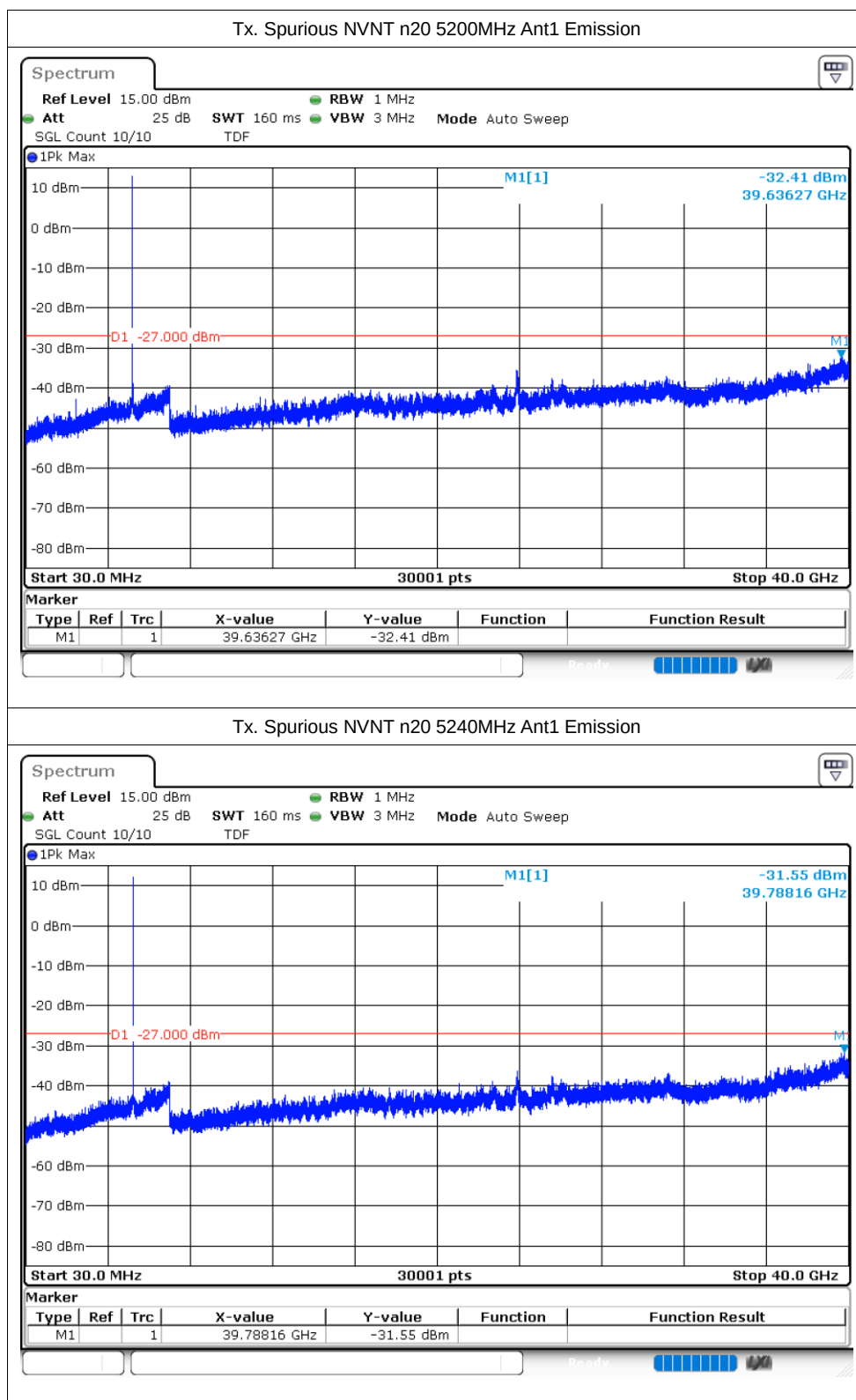


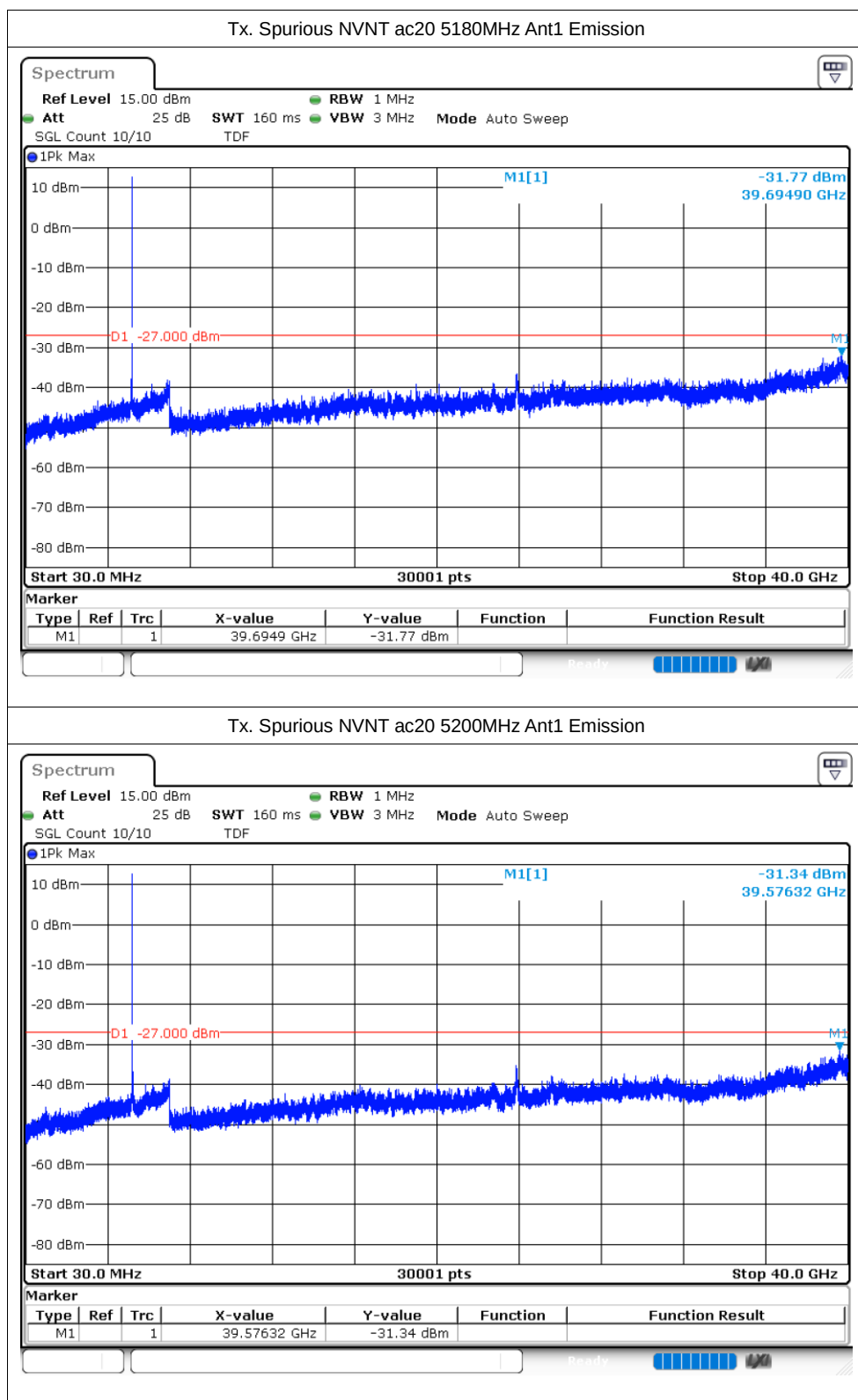
Tx. Spurious NVNT a 5240MHz Ant1 Emission

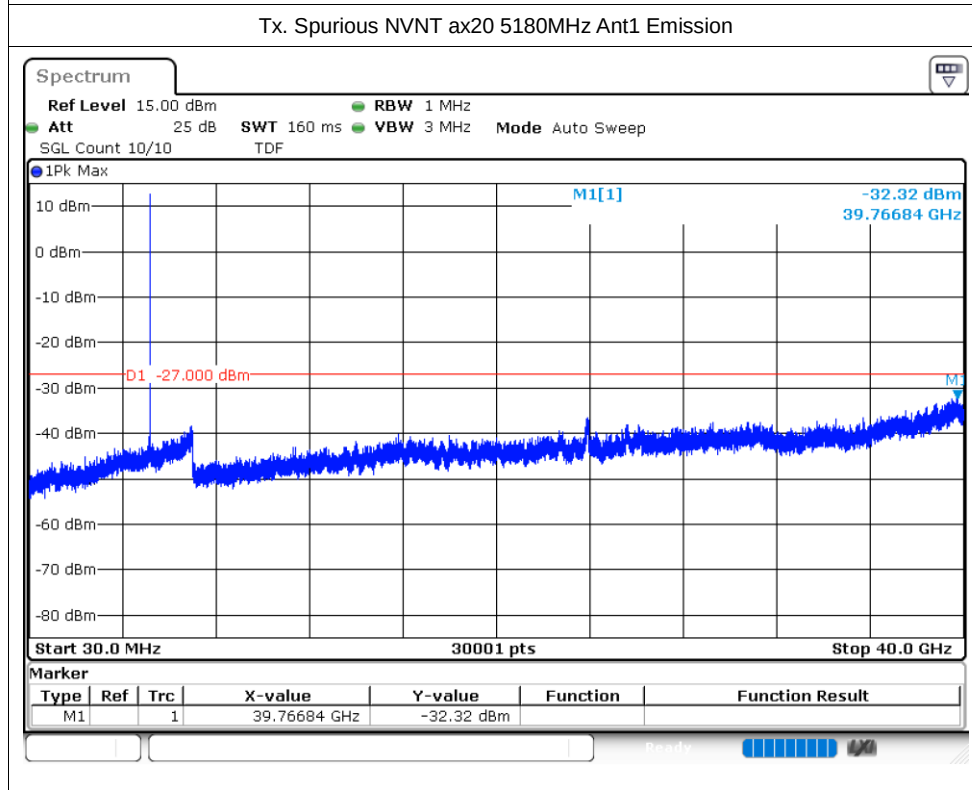
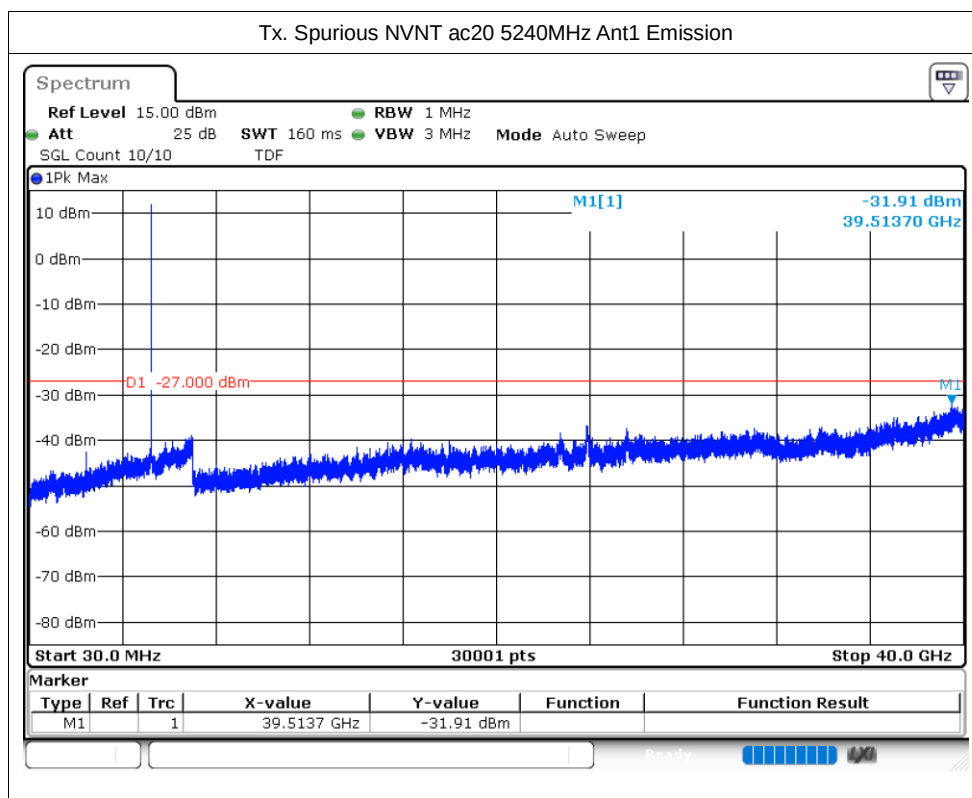


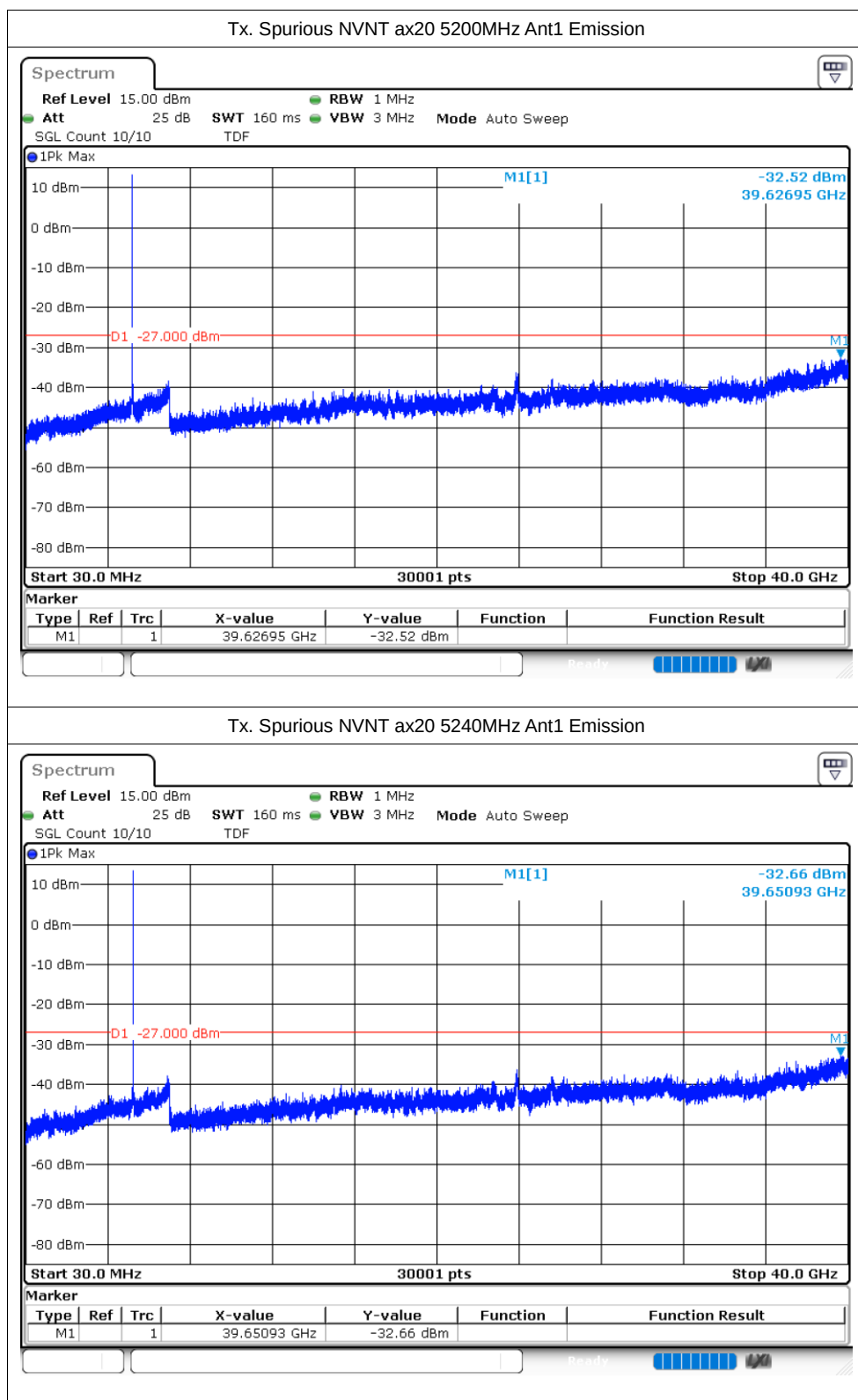
Tx. Spurious NVNT n20 5180MHz Ant1 Emission











WIFI 5.6G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	97.58	0.11	0.72
NVNT	a	5600	Ant1	97.55	0.11	0.72
NVNT	a	5700	Ant1	97.57	0.11	0.72
NVNT	n20	5500	Ant1	98.05	0.09	0.77
NVNT	n20	5600	Ant1	98.04	0.09	0.77
NVNT	n20	5700	Ant1	98.04	0.09	0.77
NVNT	ac20	5500	Ant1	98.07	0.08	0.76
NVNT	ac20	5600	Ant1	98.07	0.08	0.76
NVNT	ac20	5700	Ant1	98.08	0.08	0.76
NVNT	ax20	5500	Ant1	97.59	0.11	0.99
NVNT	ax20	5600	Ant1	97.51	0.11	0.99
NVNT	ax20	5700	Ant1	97.5	0.11	0.99

