

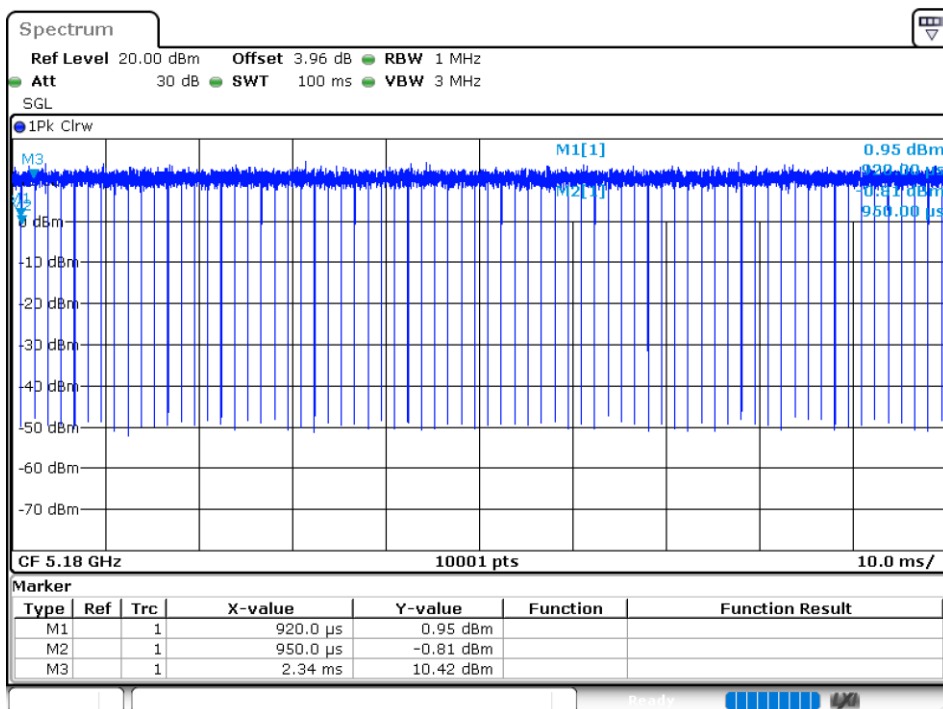
WIFI 5.2G:

Duty Cycle

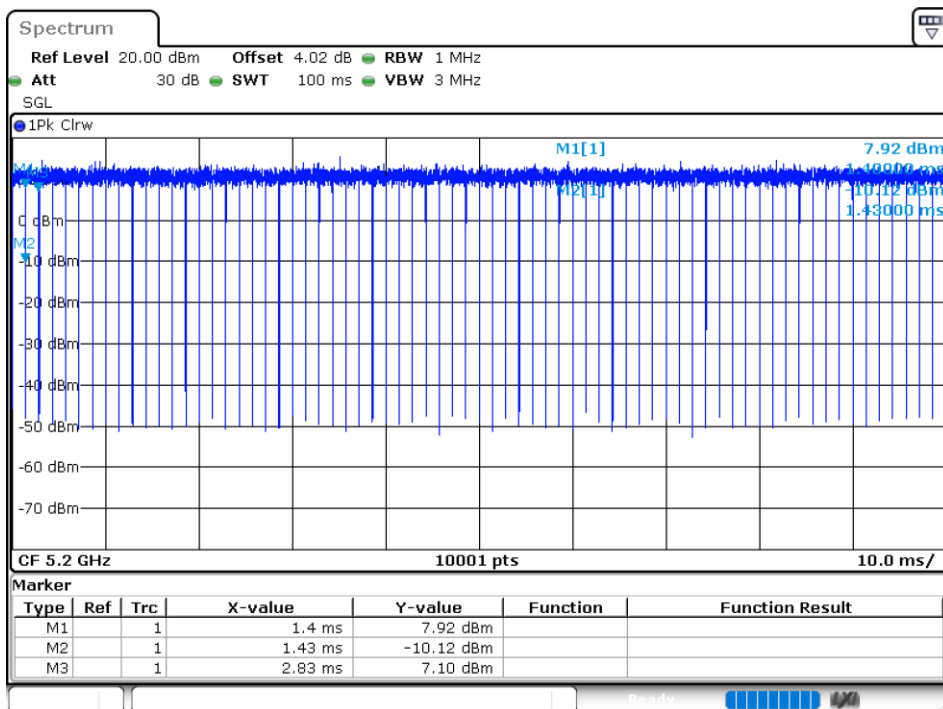
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.25	0.08	0.72
NVNT	a	5200	Ant1	98.25	0.08	0.71
NVNT	a	5240	Ant1	98.27	0.08	0.72
NVNT	n20	5180	Ant1	98.13	0.08	0.77
NVNT	n20	5200	Ant1	98.13	0.08	0.76
NVNT	n20	5240	Ant1	98.13	0.08	0.77
NVNT	n40	5190	Ant1	96.49	0.16	1.54
NVNT	n40	5230	Ant1	96.34	0.16	1.54
NVNT	ac20	5180	Ant1	98.16	0.08	0.76
NVNT	ac20	5200	Ant1	98.17	0.08	0.76
NVNT	ac20	5240	Ant1	98.13	0.08	0.76
NVNT	ac40	5190	Ant1	96.44	0.16	1.54
NVNT	ac40	5230	Ant1	96.49	0.16	1.54
NVNT	ac80	5210	Ant1	93.37	0.3	3.13

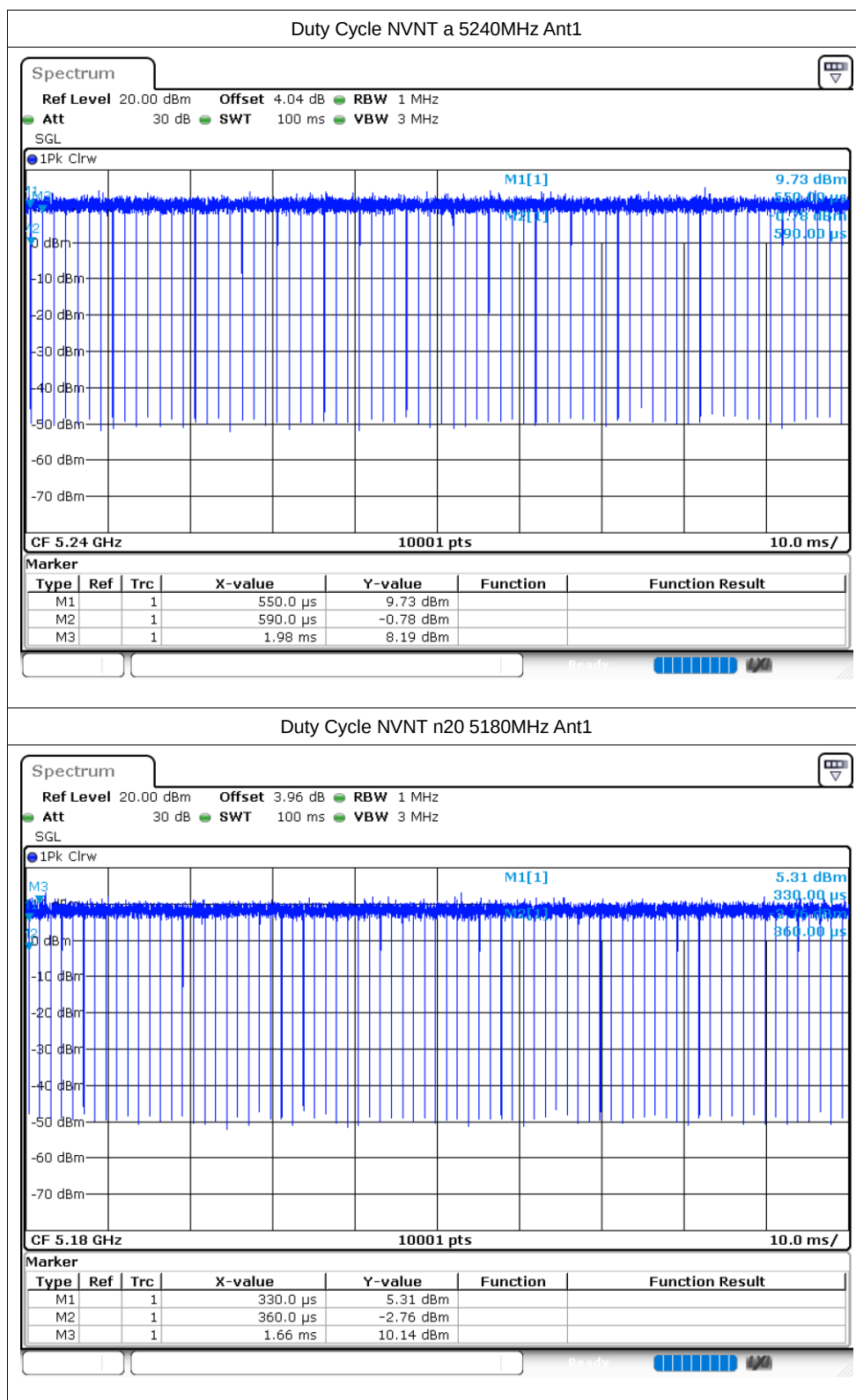
Test Graphs

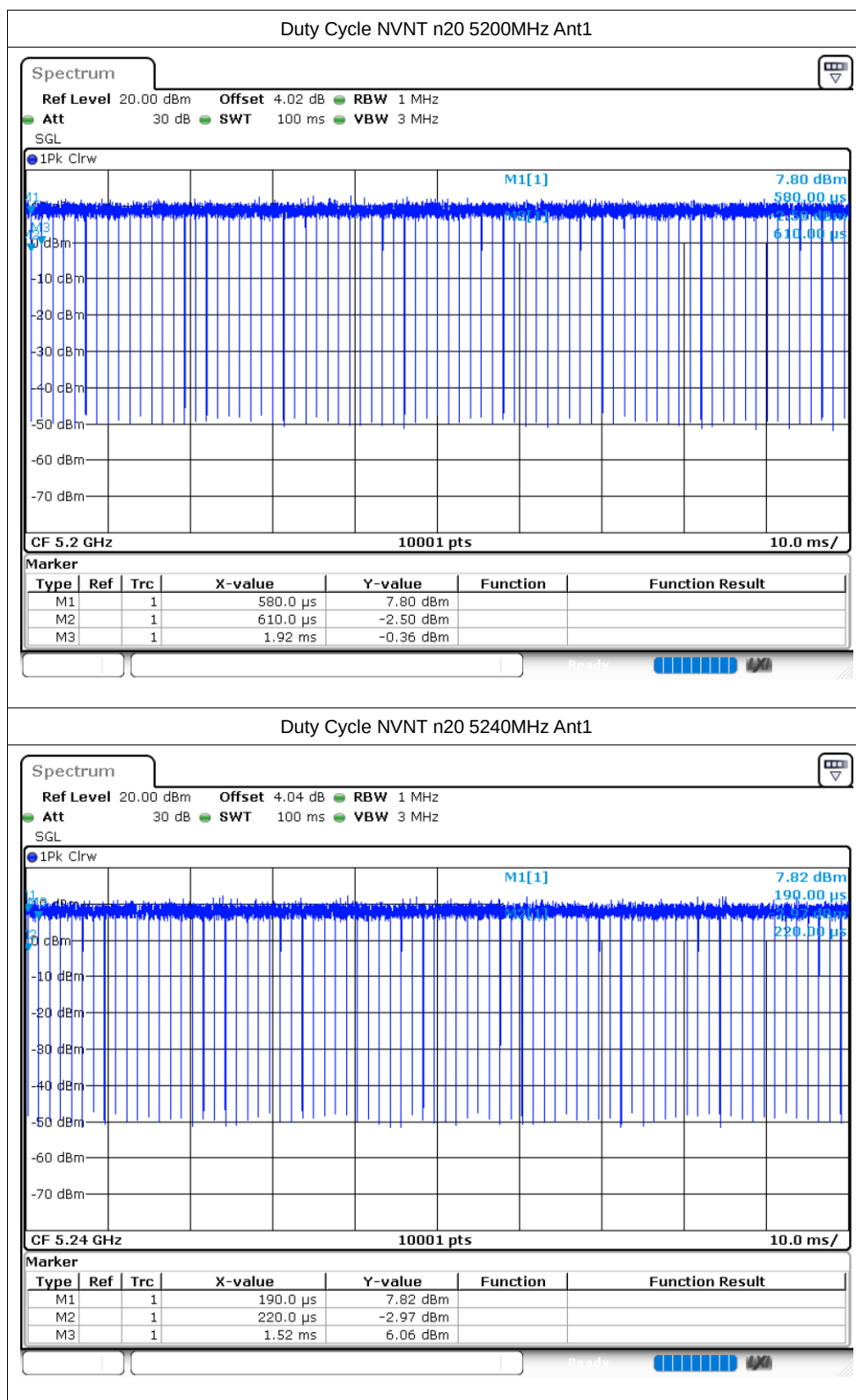
Duty Cycle NVNT a 5180MHz Ant1

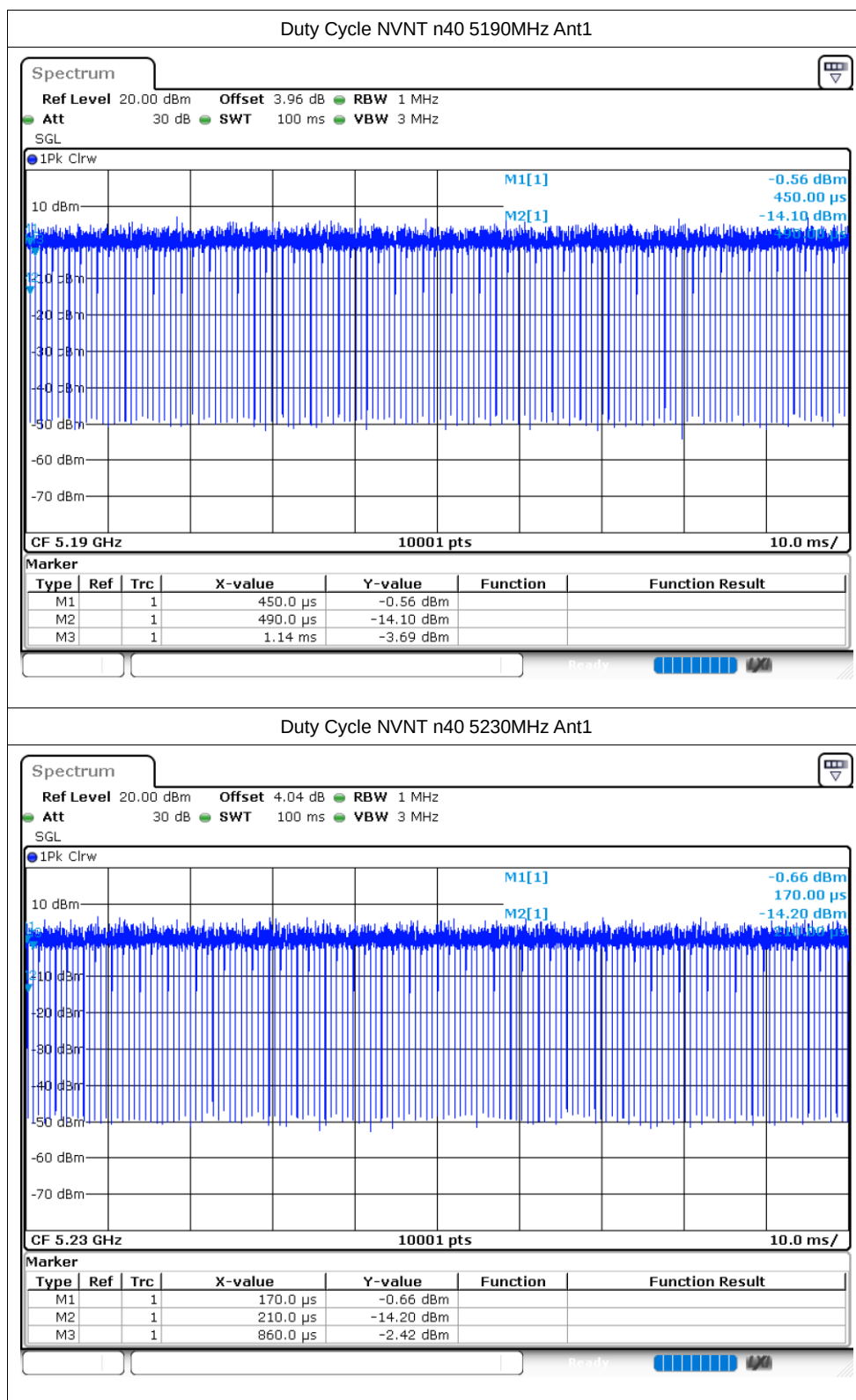


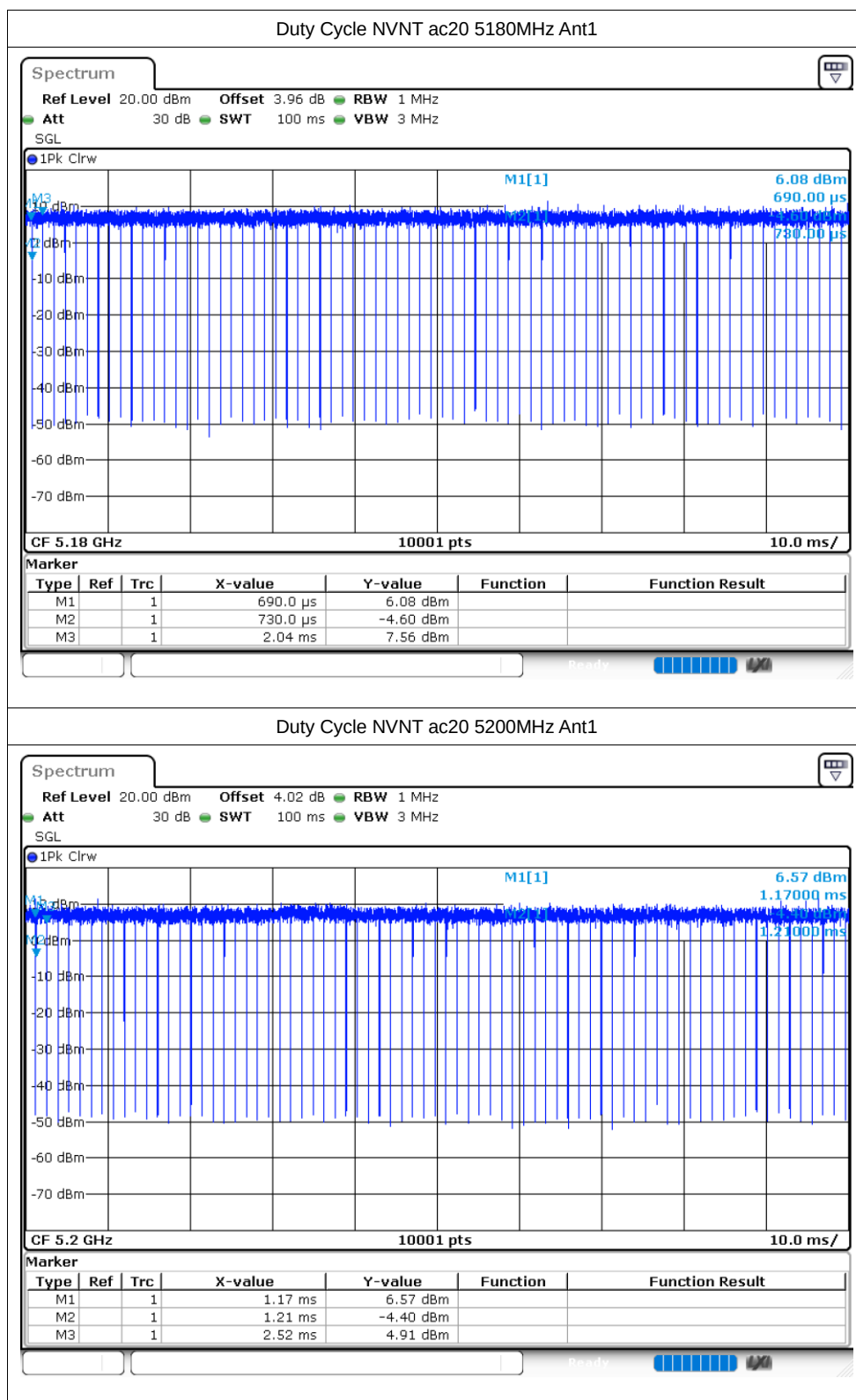
Duty Cycle NVNT a 5200MHz Ant1

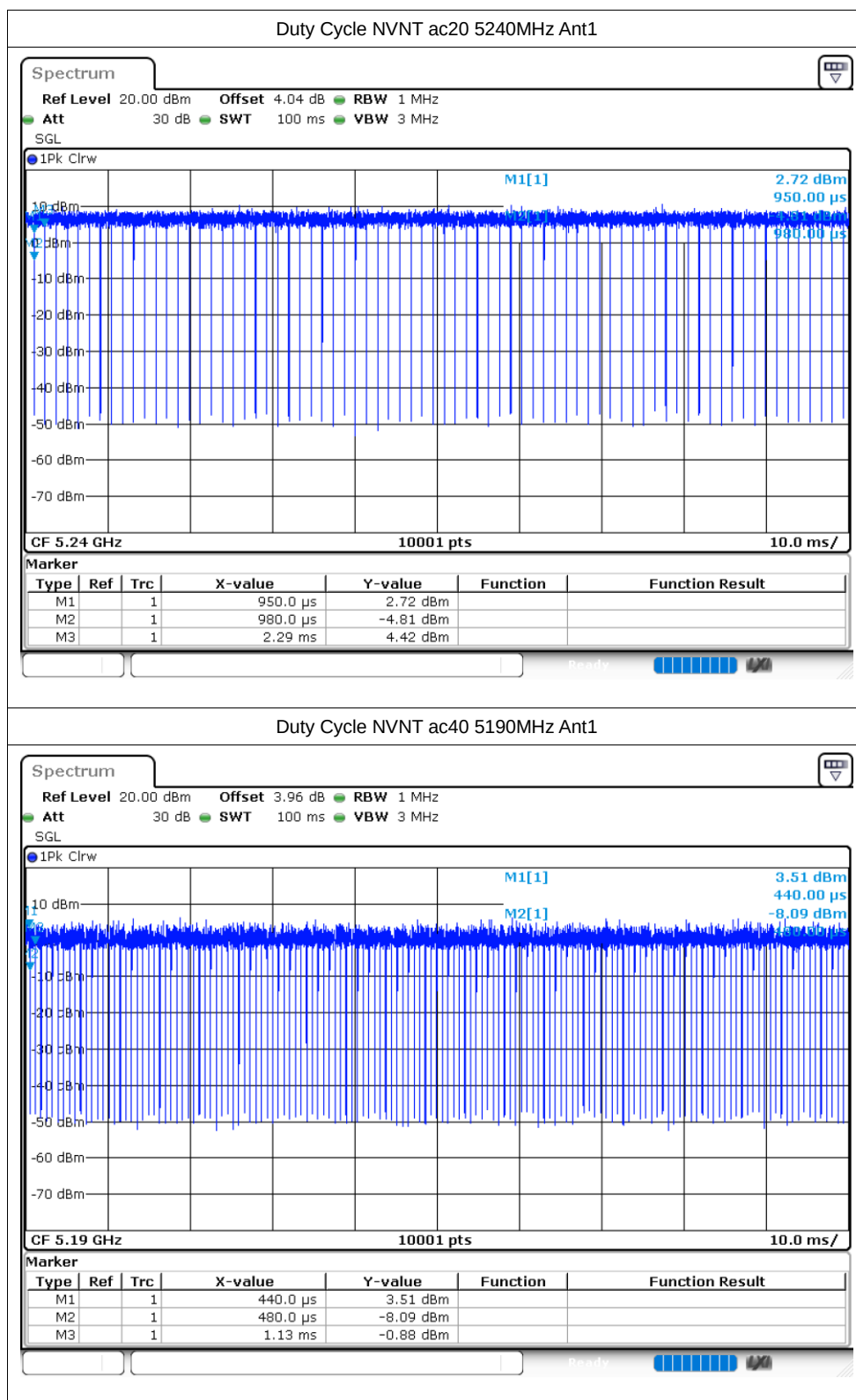


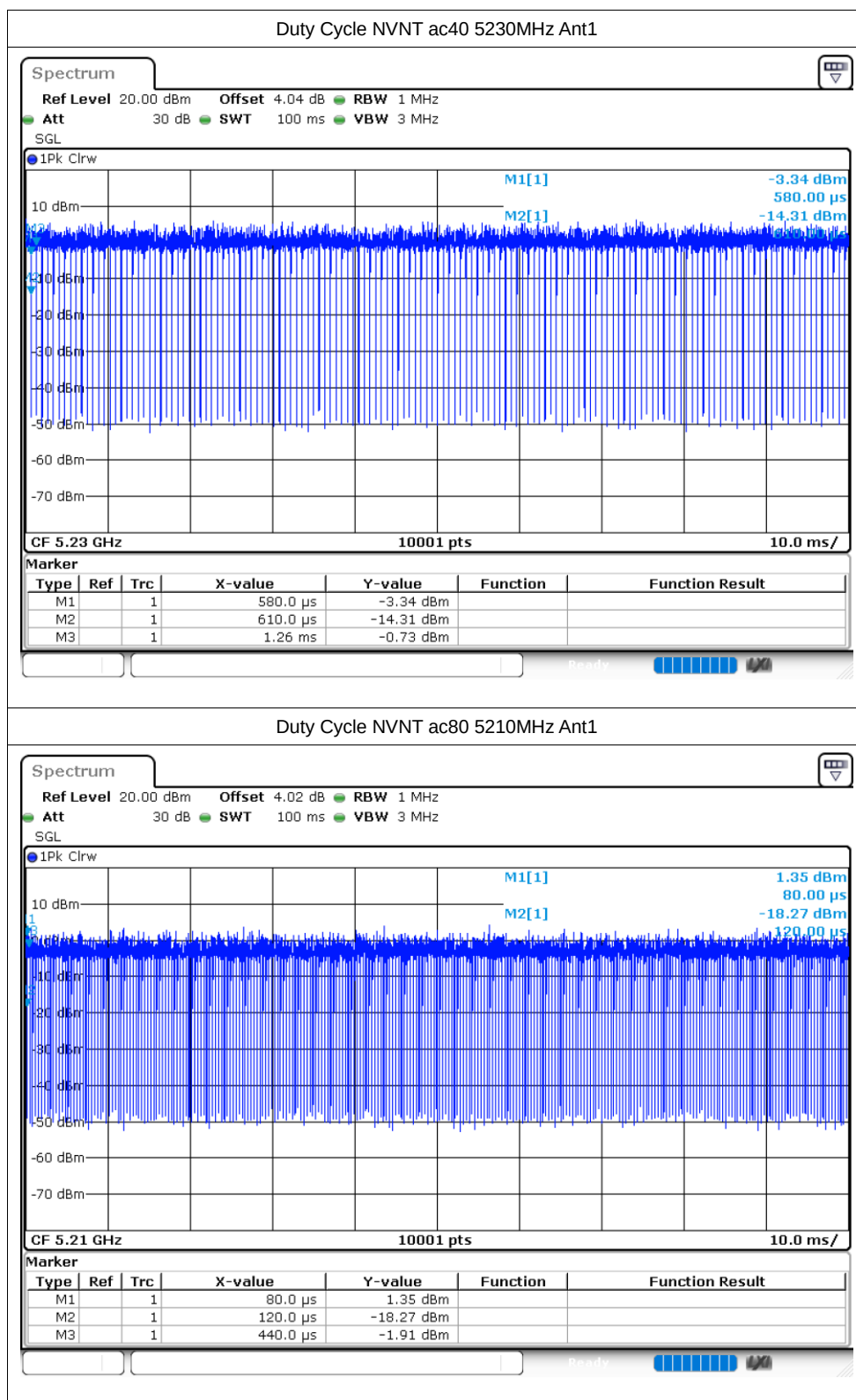












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	17.26	24	Pass
NVNT	a	5200	Ant1	17.37	24	Pass
NVNT	a	5240	Ant1	17.41	24	Pass
NVNT	n20	5180	Ant1	15.45	24	Pass
NVNT	n20	5200	Ant1	15.88	24	Pass
NVNT	n20	5240	Ant1	15.58	24	Pass
NVNT	n40	5190	Ant1	14.04	24	Pass
NVNT	n40	5230	Ant1	14.28	24	Pass
NVNT	ac20	5180	Ant1	13.86	24	Pass
NVNT	ac20	5200	Ant1	14.03	24	Pass
NVNT	ac20	5240	Ant1	13.96	24	Pass
NVNT	ac40	5190	Ant1	13.97	24	Pass
NVNT	ac40	5230	Ant1	14.15	24	Pass
NVNT	ac80	5210	Ant1	13.83	24	Pass

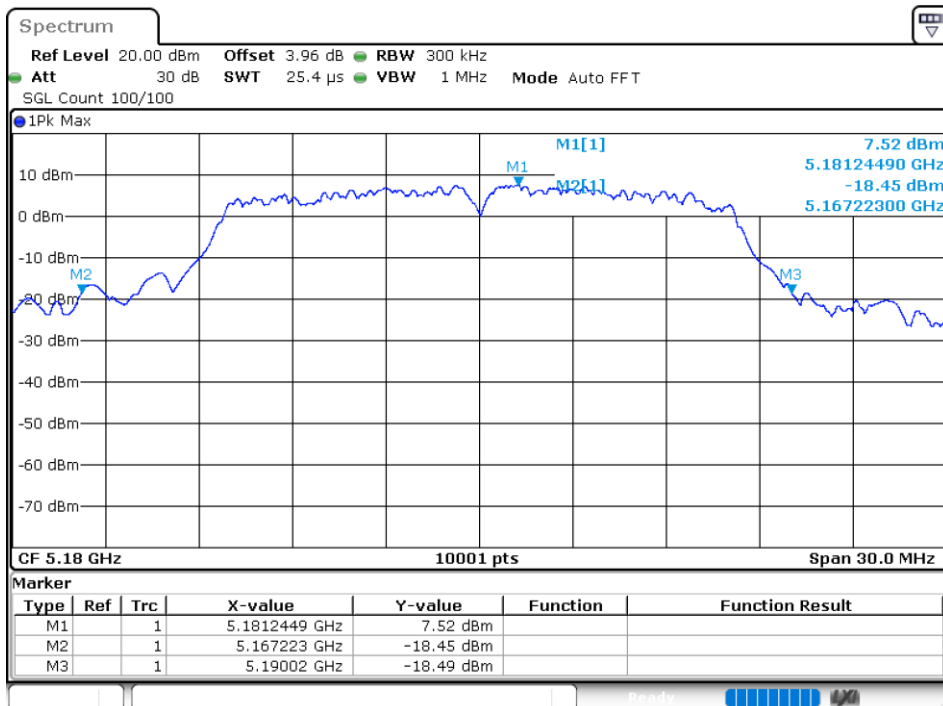
Note: The average power value already includes the duty cycle factor

-26dB Bandwidth

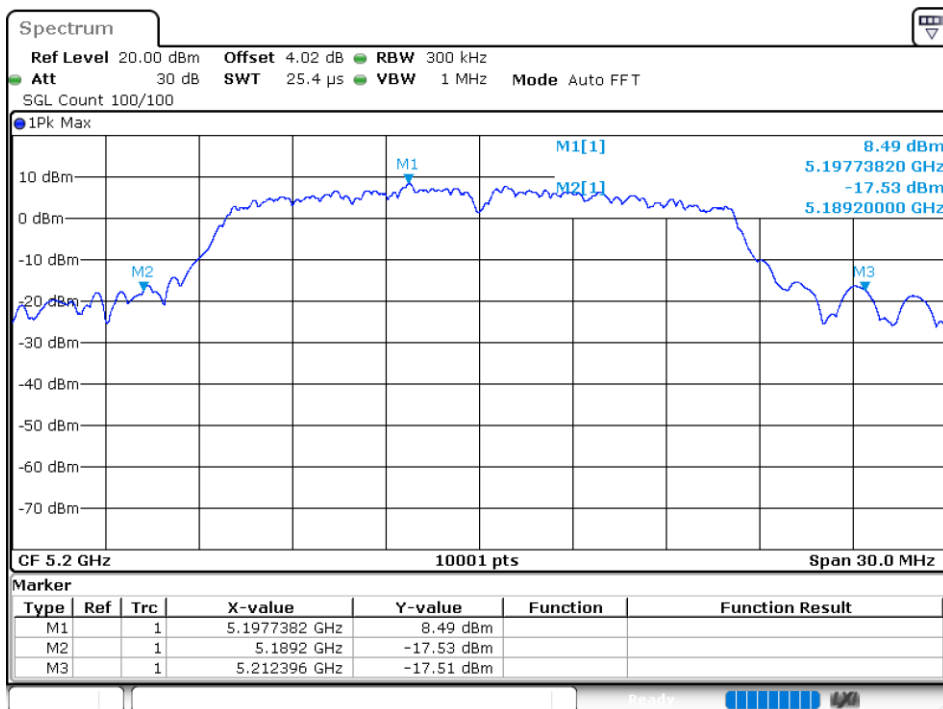
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.797	Pass
NVNT	a	5200	Ant1	23.196	Pass
NVNT	a	5240	Ant1	20.079	Pass
NVNT	n20	5180	Ant1	20.148	Pass
NVNT	n20	5200	Ant1	20.319	Pass
NVNT	n20	5240	Ant1	20.547	Pass
NVNT	n40	5190	Ant1	39.474	Pass
NVNT	n40	5230	Ant1	39.54	Pass
NVNT	ac20	5180	Ant1	20.493	Pass
NVNT	ac20	5200	Ant1	20.271	Pass
NVNT	ac20	5240	Ant1	20.202	Pass
NVNT	ac40	5190	Ant1	39.462	Pass
NVNT	ac40	5230	Ant1	39.192	Pass
NVNT	ac80	5210	Ant1	78.876	Pass

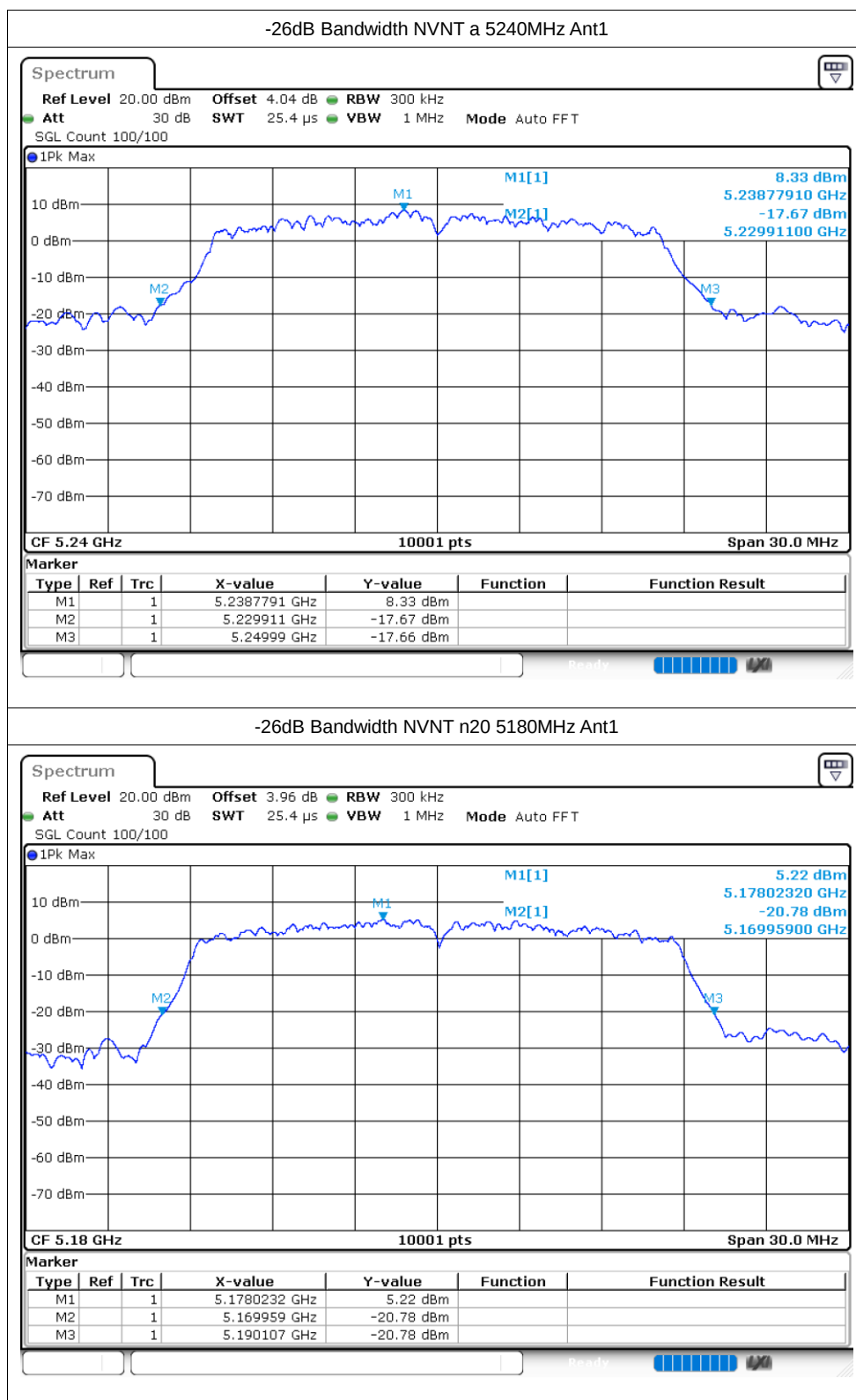
Test Graphs

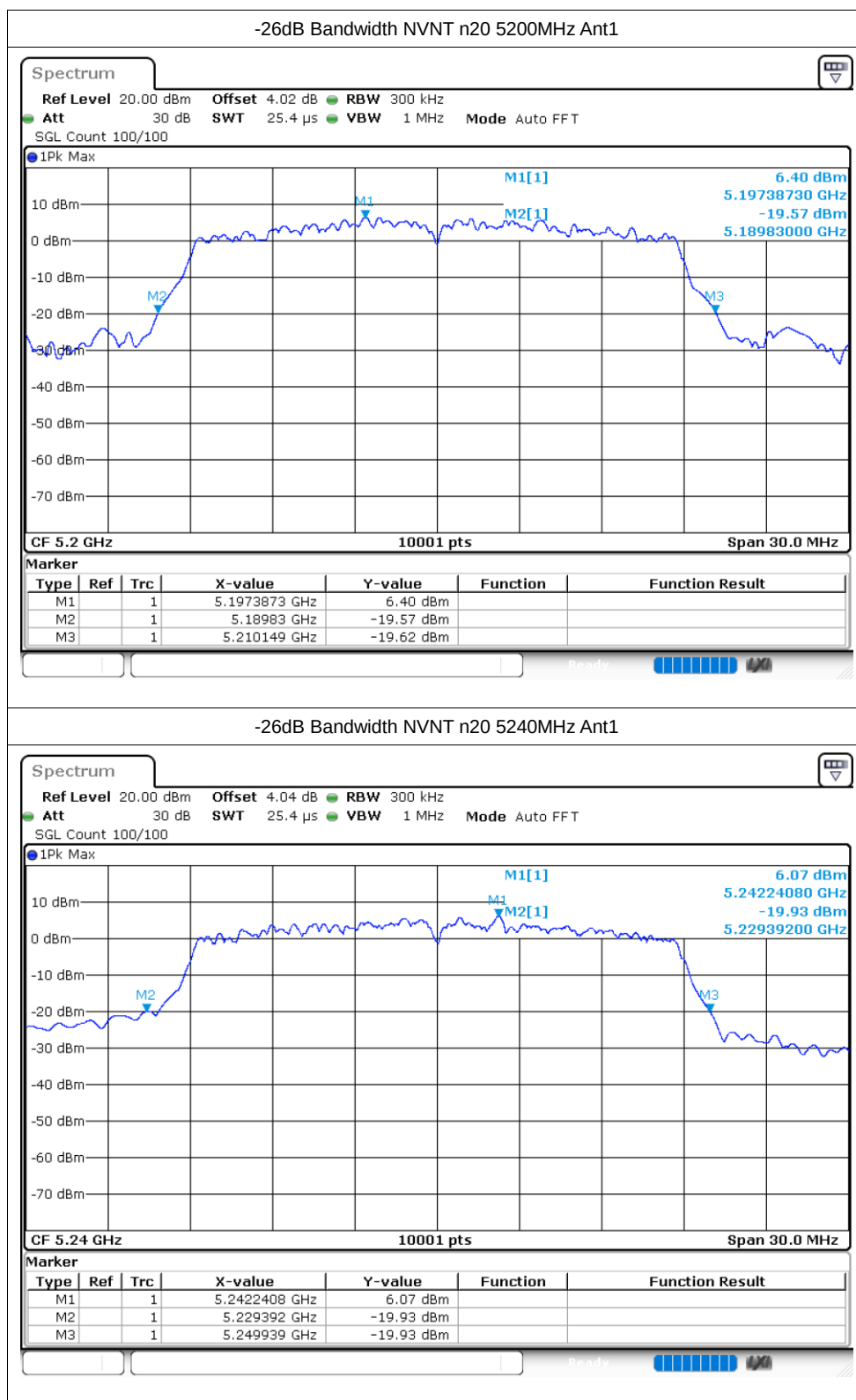
-26dB Bandwidth NVNT a 5180MHz Ant1

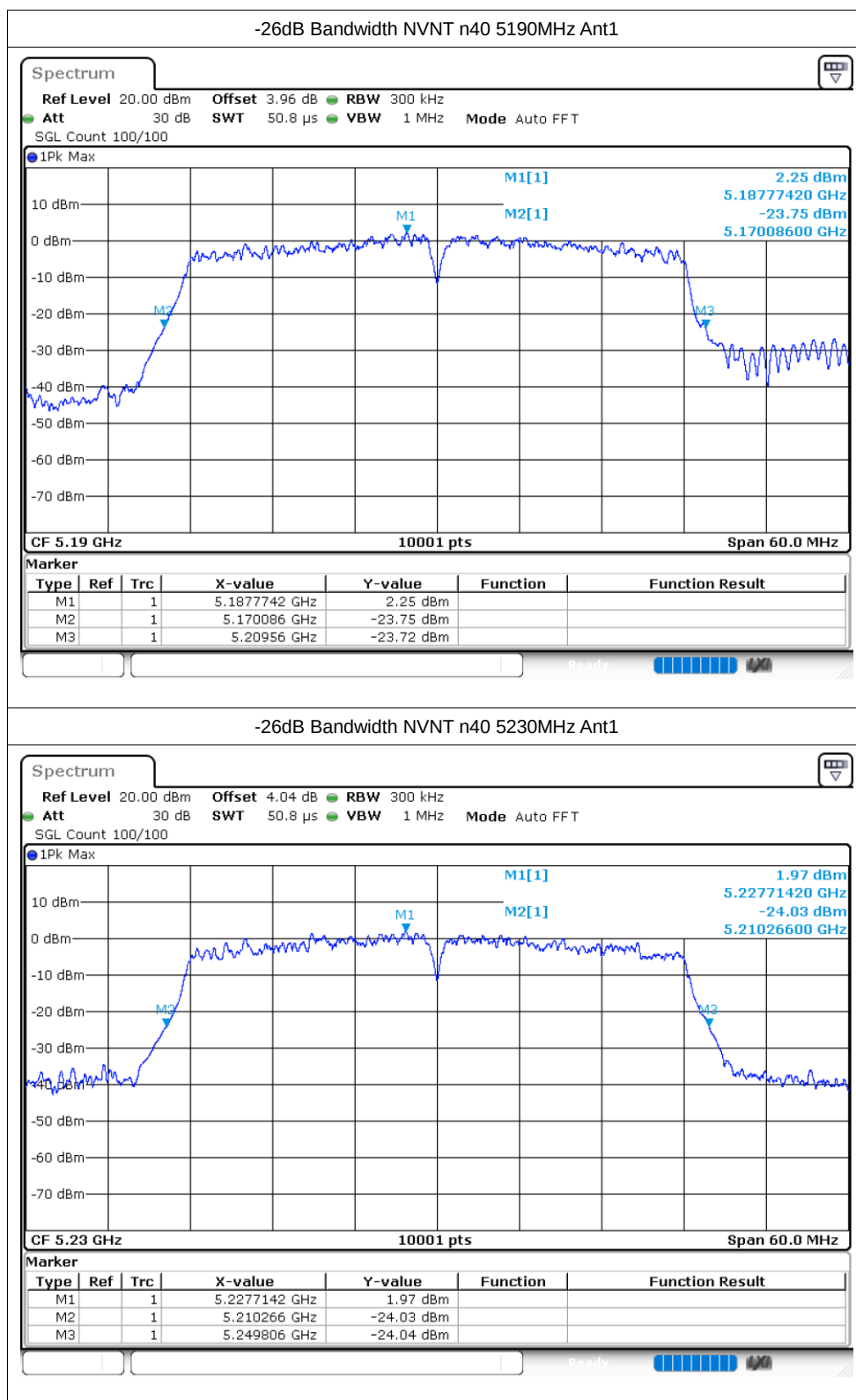


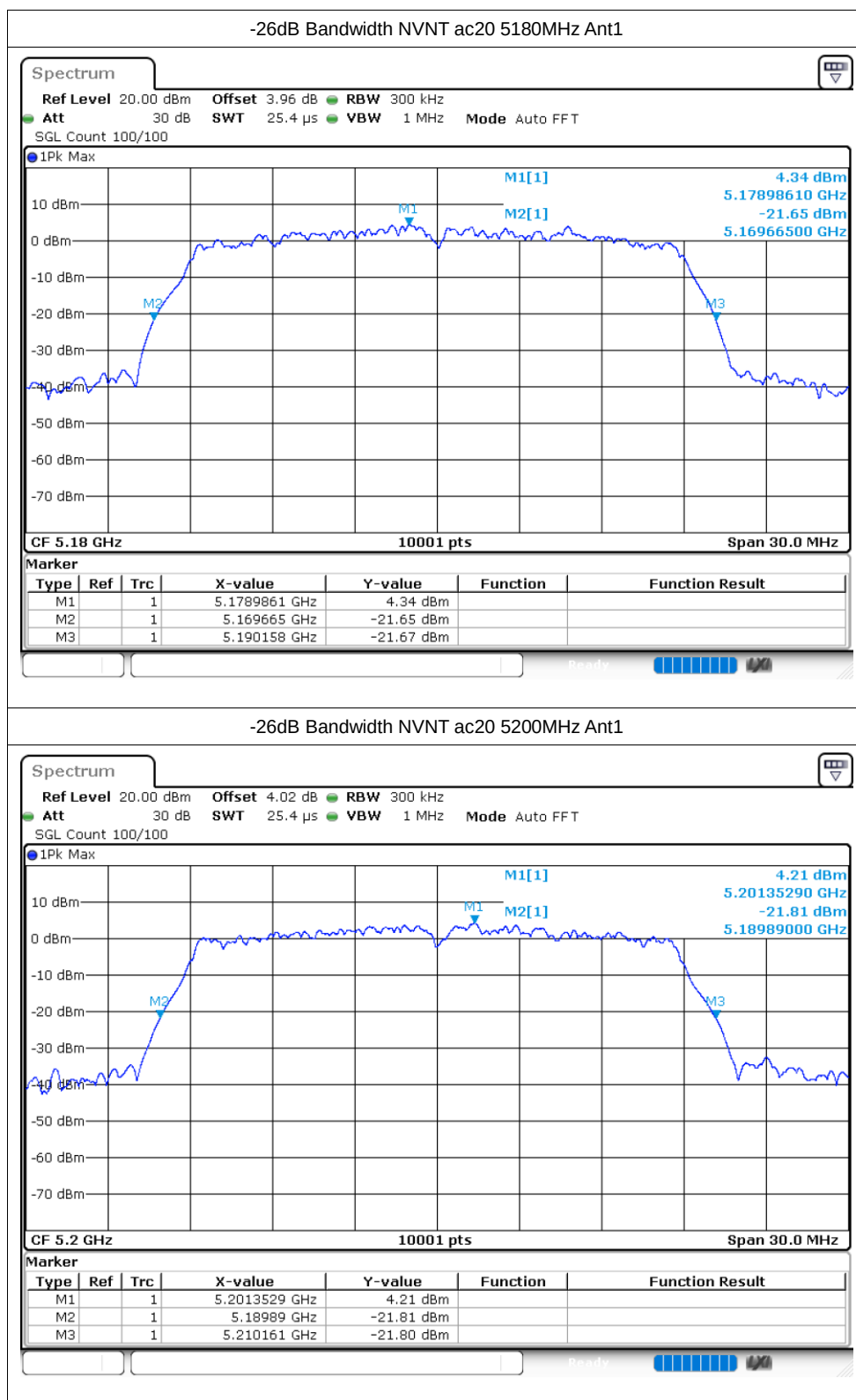
-26dB Bandwidth NVNT a 5200MHz Ant1

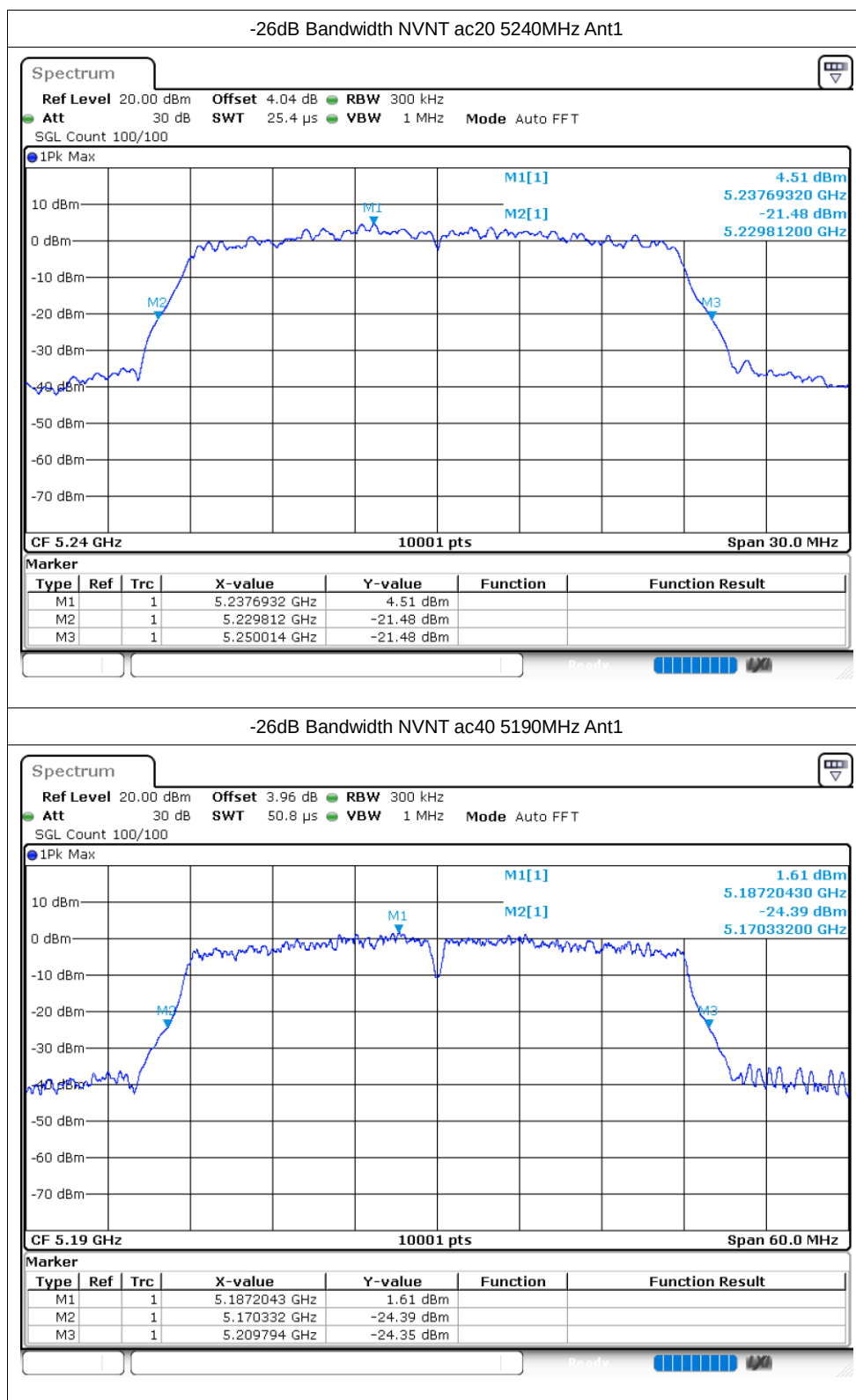


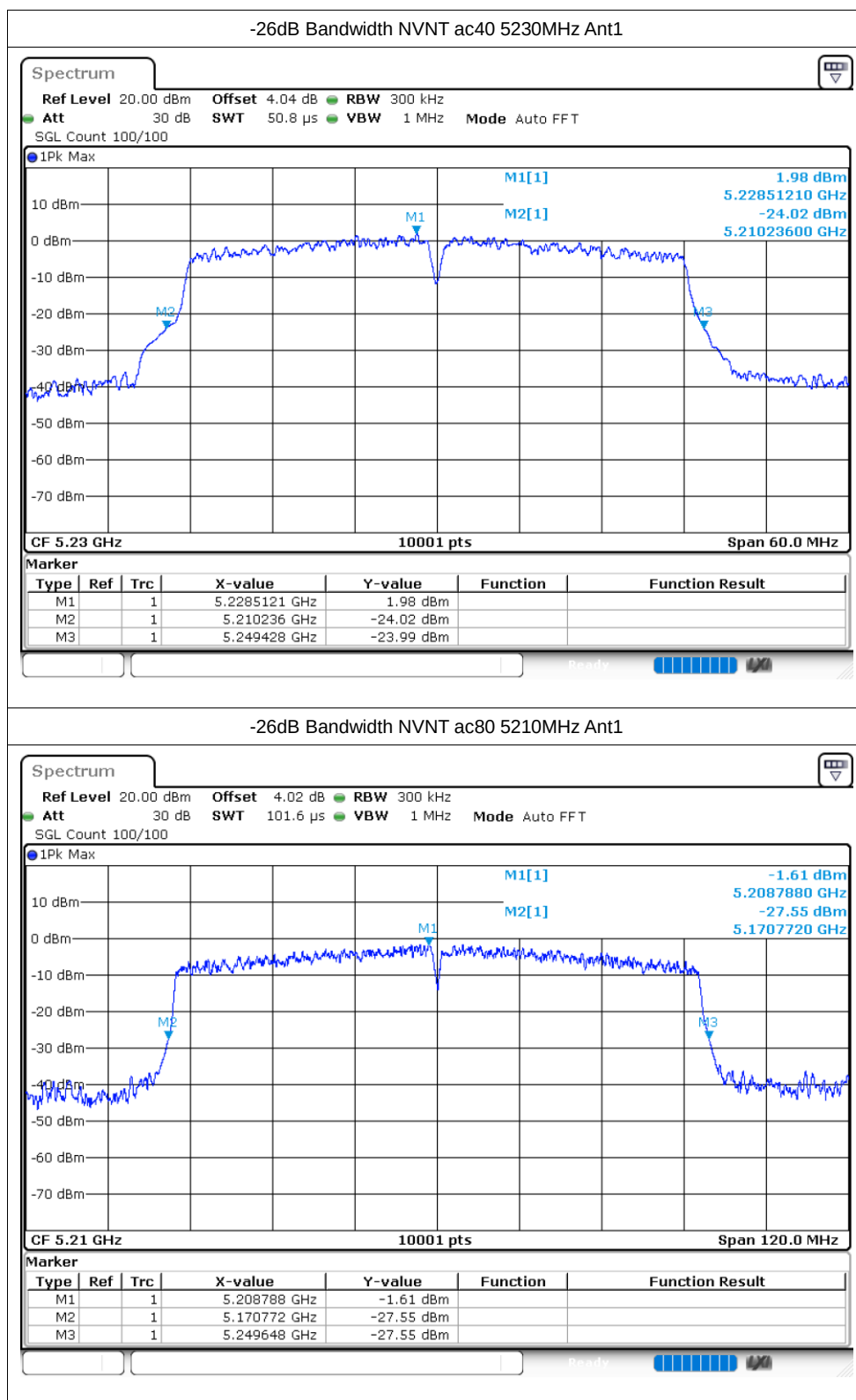






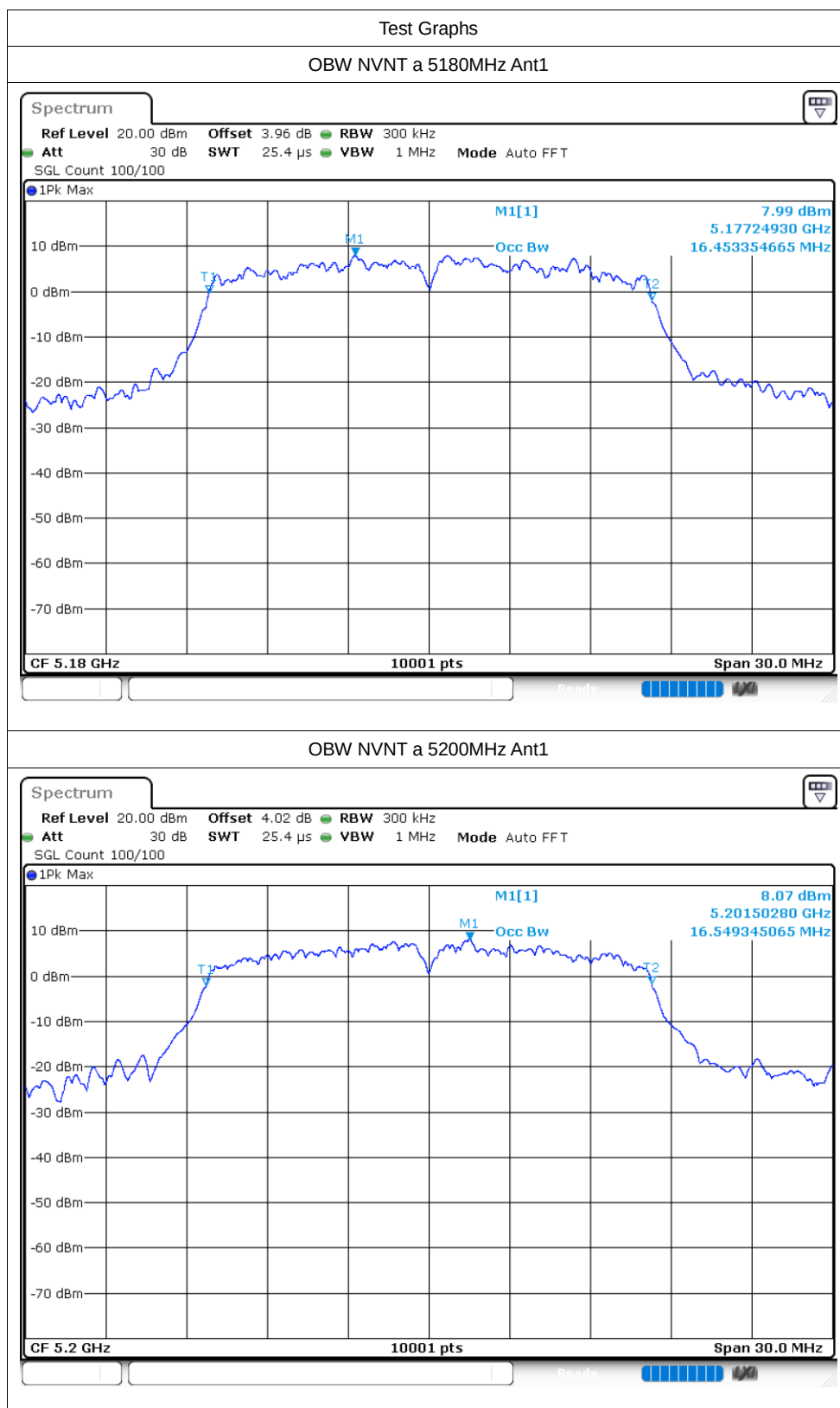


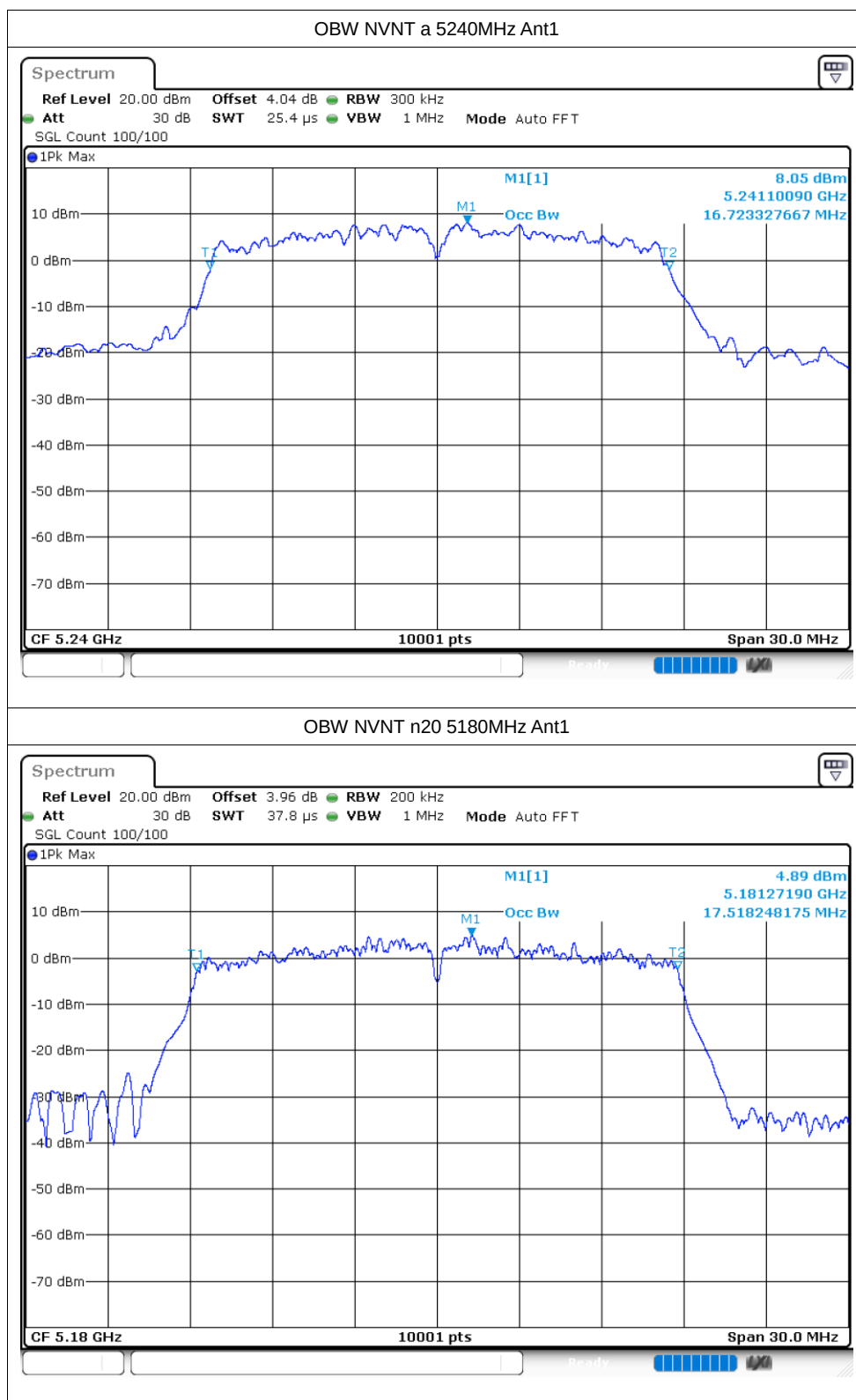


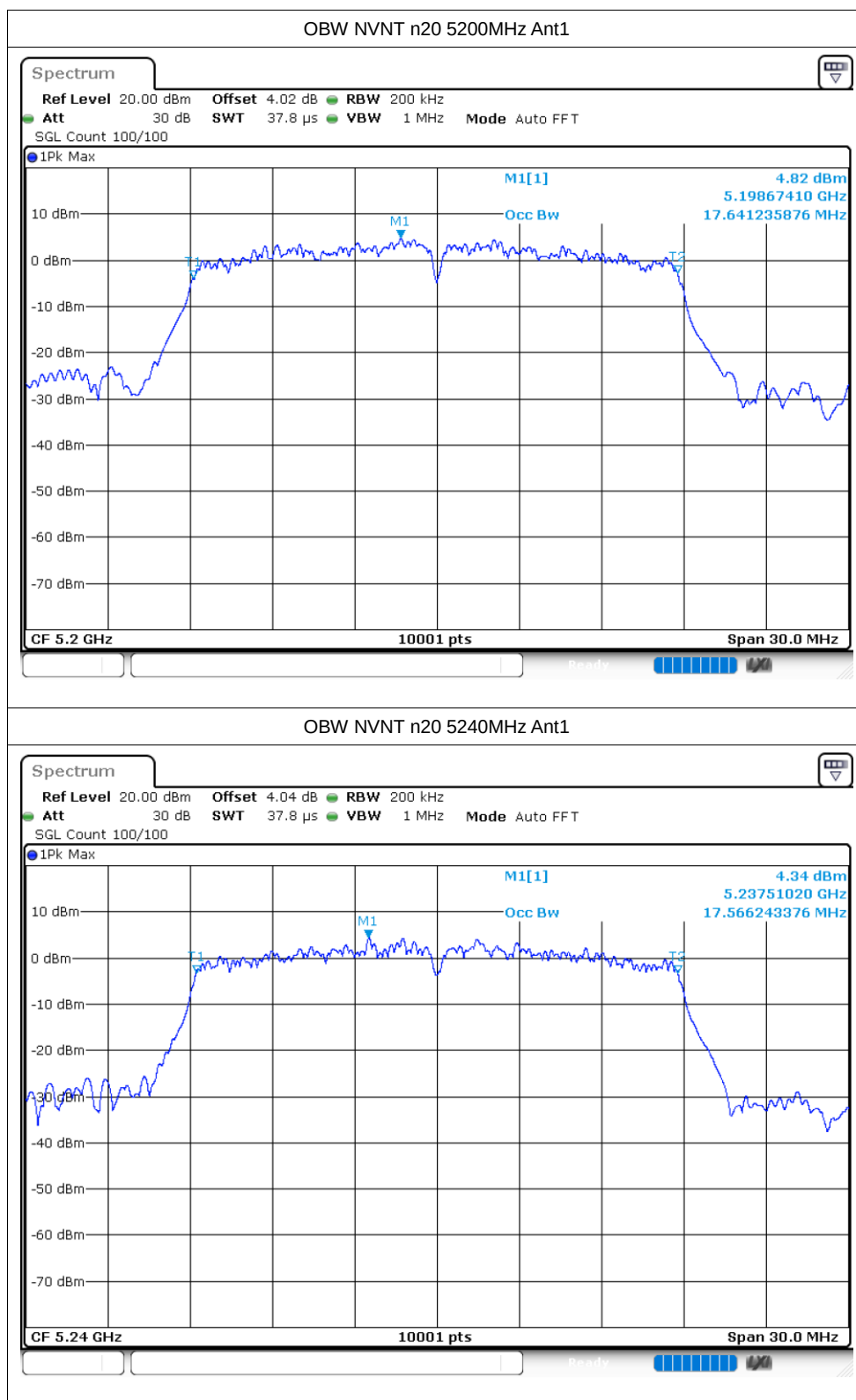


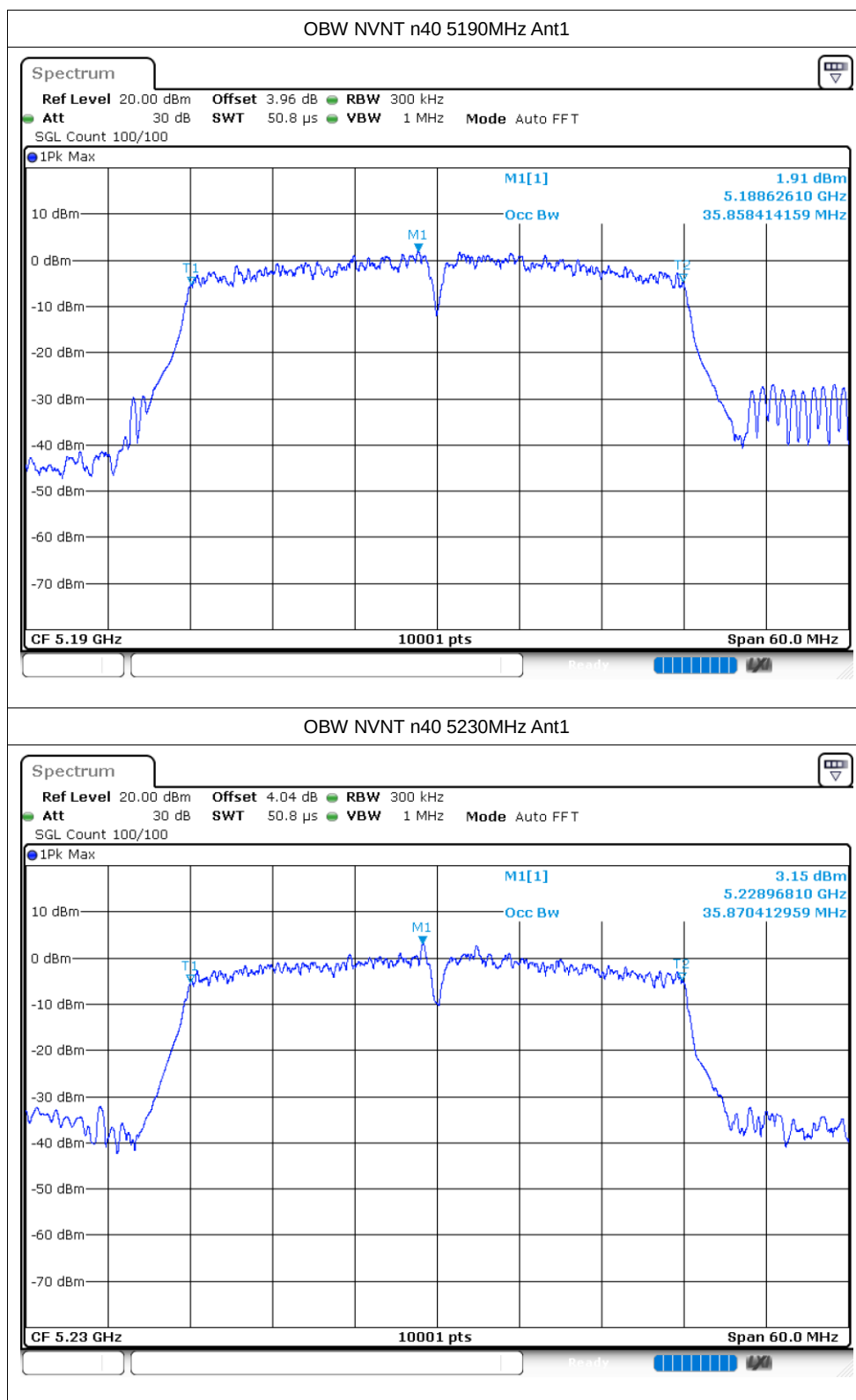
Occupied Channel Bandwidth

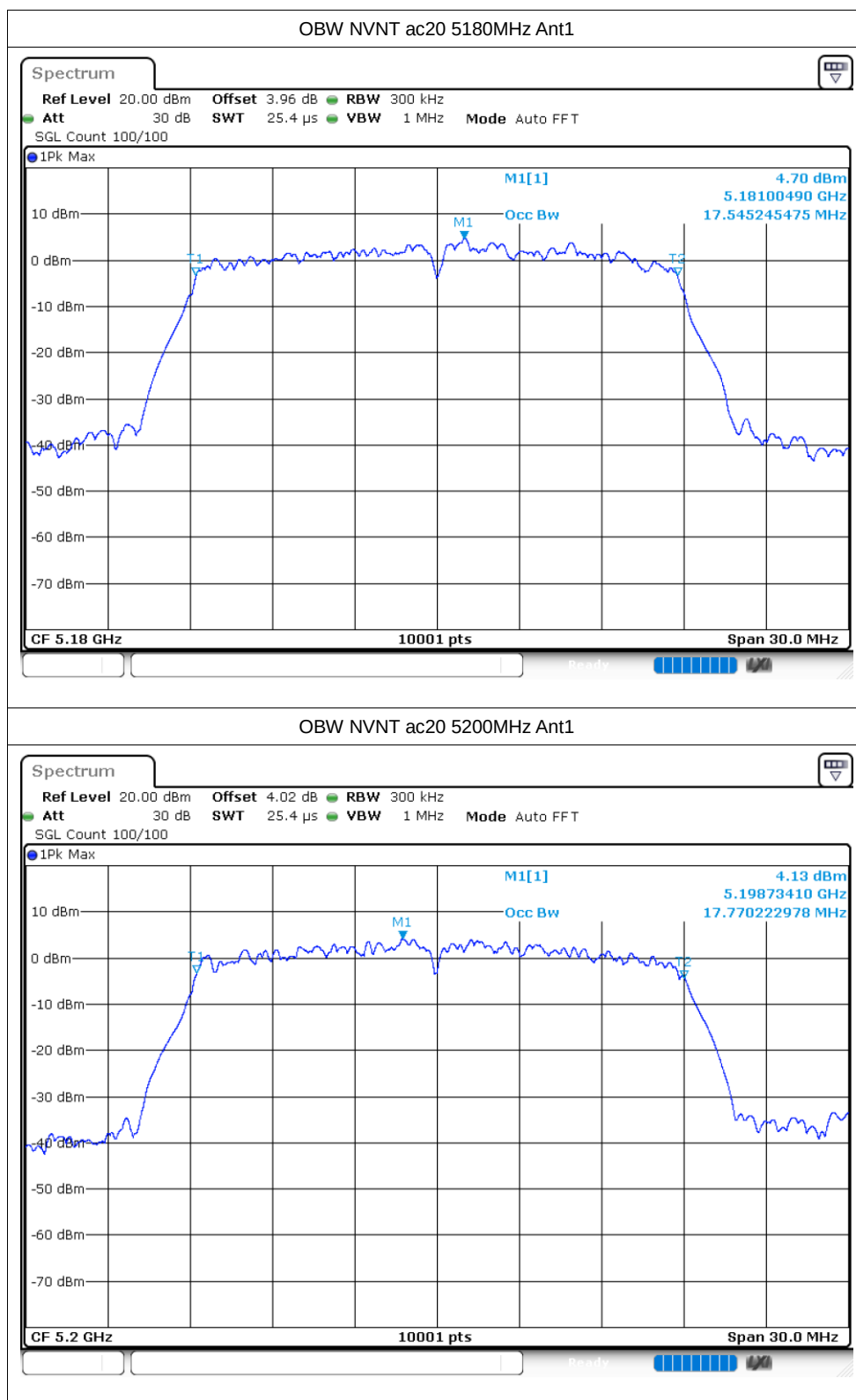
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.453
NVNT	a	5200	Ant1	16.549
NVNT	a	5240	Ant1	16.723
NVNT	n20	5180	Ant1	17.518
NVNT	n20	5200	Ant1	17.641
NVNT	n20	5240	Ant1	17.566
NVNT	n40	5190	Ant1	35.858
NVNT	n40	5230	Ant1	35.87
NVNT	ac20	5180	Ant1	17.545
NVNT	ac20	5200	Ant1	17.77
NVNT	ac20	5240	Ant1	17.593
NVNT	ac40	5190	Ant1	35.852
NVNT	ac40	5230	Ant1	35.84
NVNT	ac80	5210	Ant1	75.052

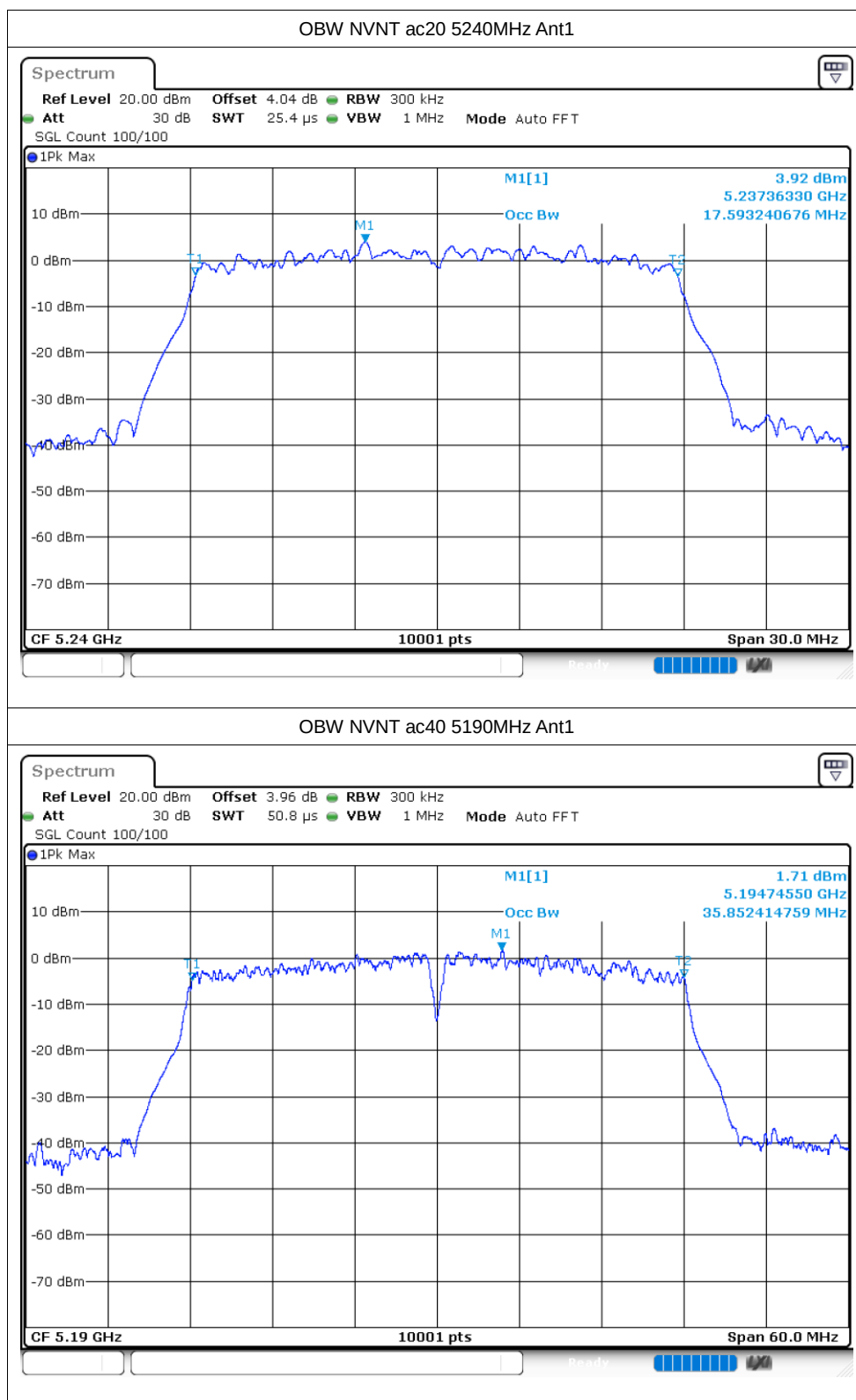


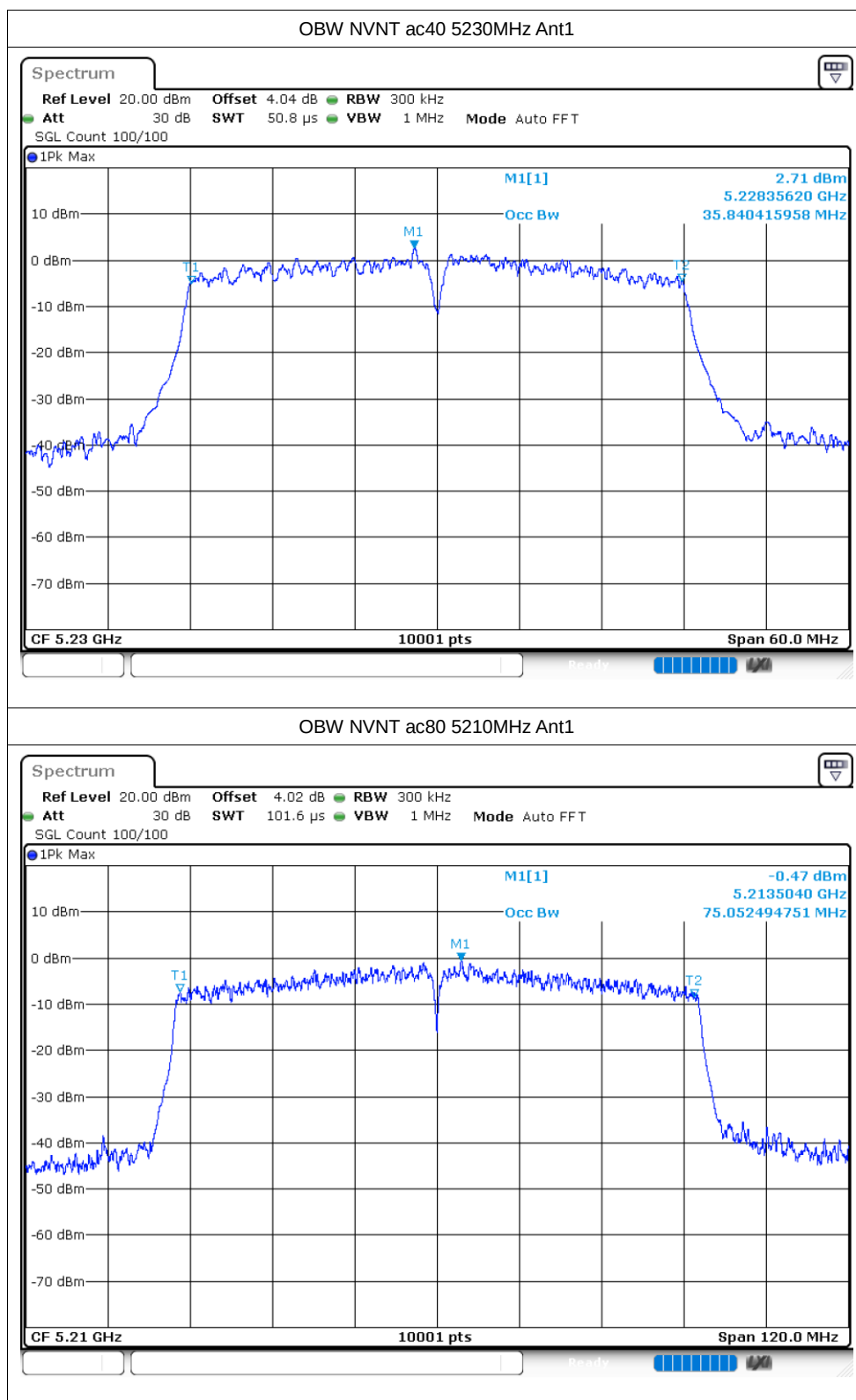










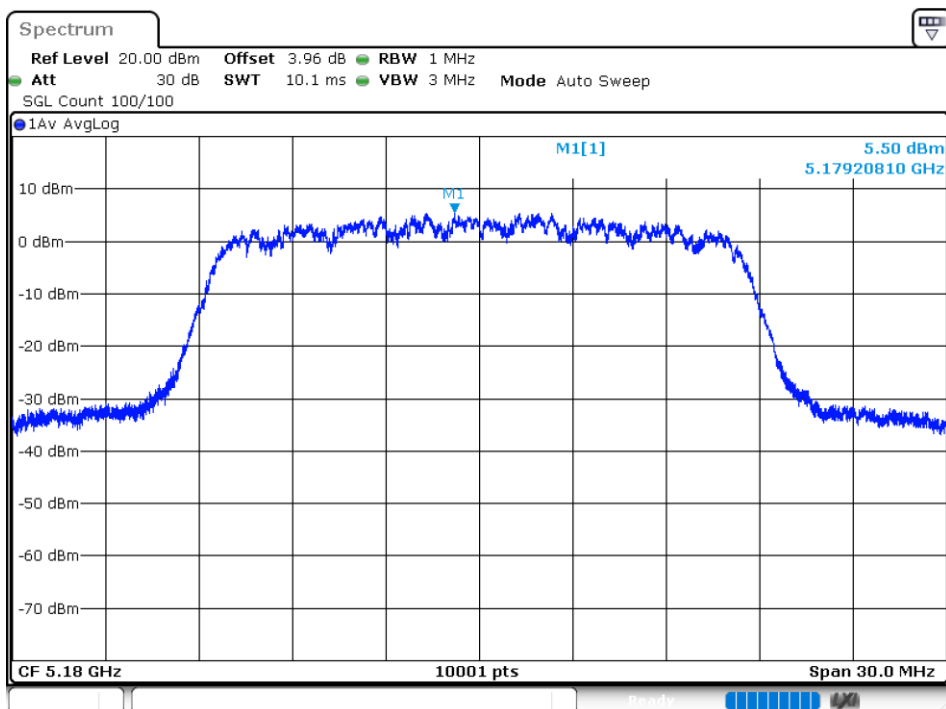


Maximum Power Spectral Density Level

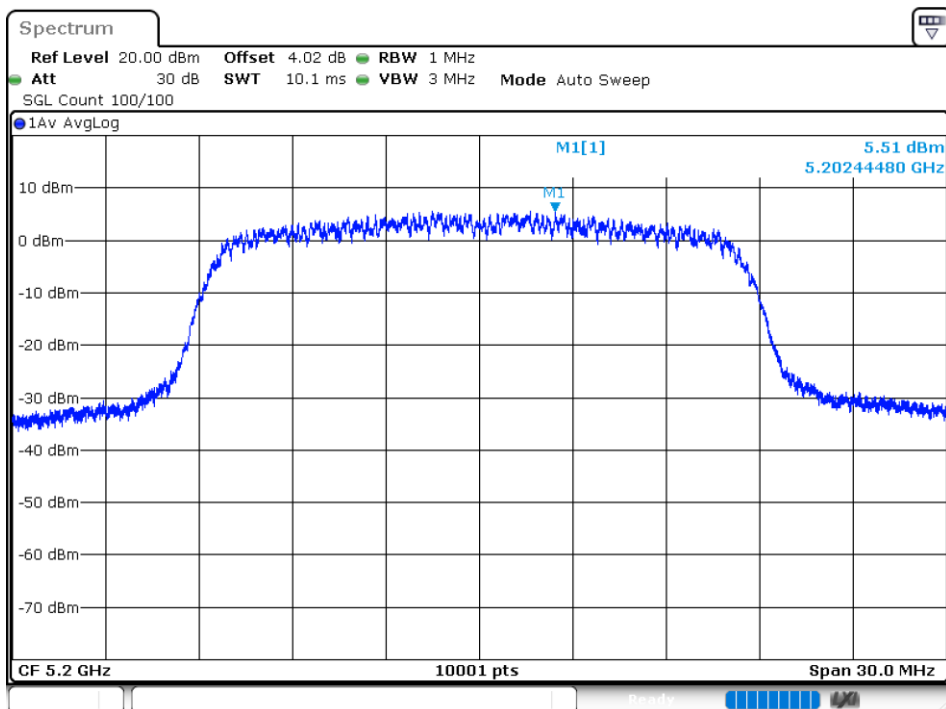
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	5.5	0.08	5.58	11	Pass
NVNT	a	5200	Ant1	5.51	0.08	5.59	11	Pass
NVNT	a	5240	Ant1	5.49	0.08	5.57	11	Pass
NVNT	n20	5180	Ant1	3.24	0.08	3.32	11	Pass
NVNT	n20	5200	Ant1	3.82	0.08	3.9	11	Pass
NVNT	n20	5240	Ant1	2.71	0.08	2.79	11	Pass
NVNT	n40	5190	Ant1	-1.29	0.16	-1.13	11	Pass
NVNT	n40	5230	Ant1	-2.38	0.16	-2.22	11	Pass
NVNT	ac20	5180	Ant1	1.73	0.08	1.81	11	Pass
NVNT	ac20	5200	Ant1	1.65	0.08	1.73	11	Pass
NVNT	ac20	5240	Ant1	1.19	0.08	1.27	11	Pass
NVNT	ac40	5190	Ant1	-1.59	0.16	-1.43	11	Pass
NVNT	ac40	5230	Ant1	-1.59	0.16	-1.43	11	Pass
NVNT	ac80	5210	Ant1	-6.28	0.3	-5.98	11	Pass

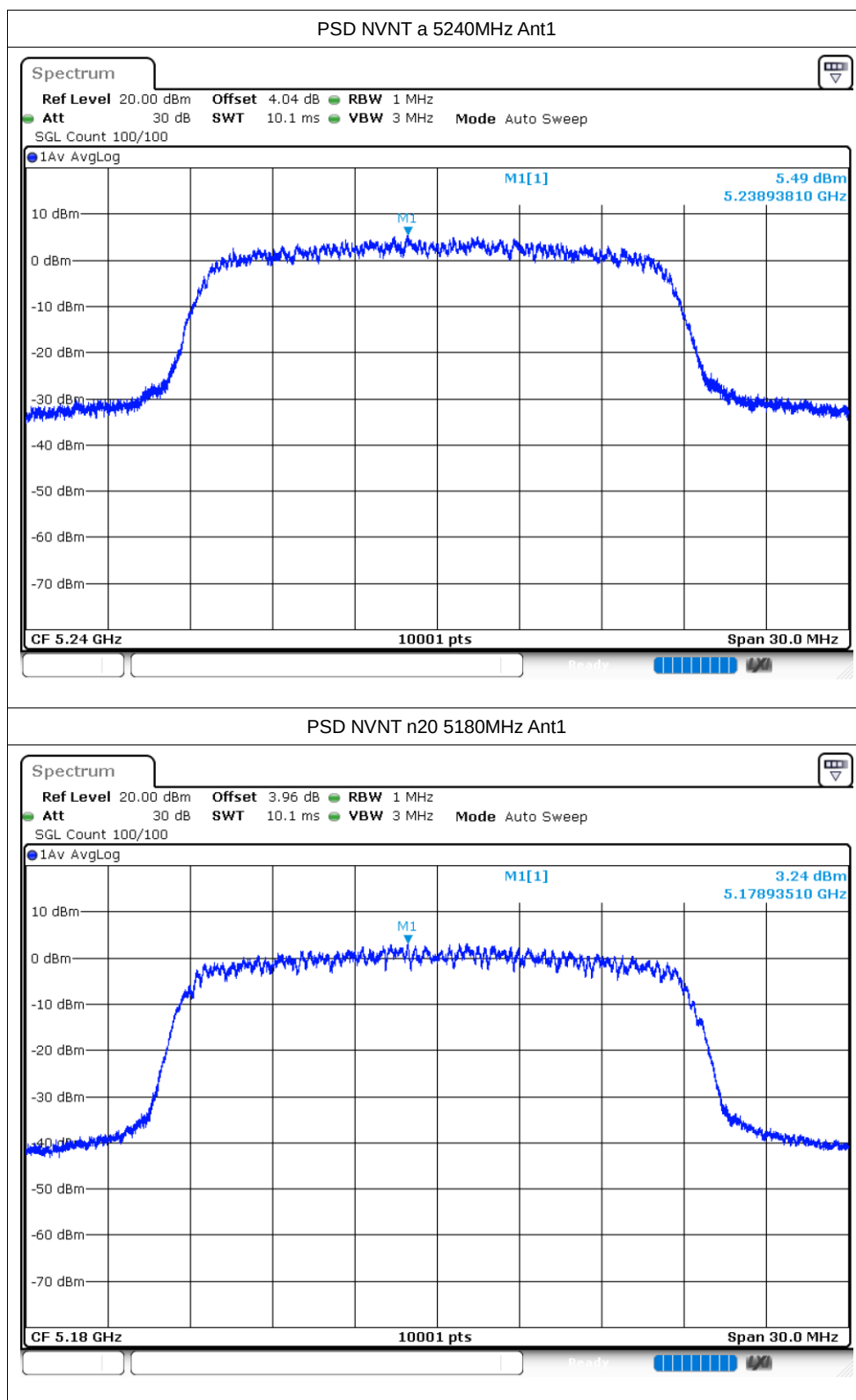
Test Graphs

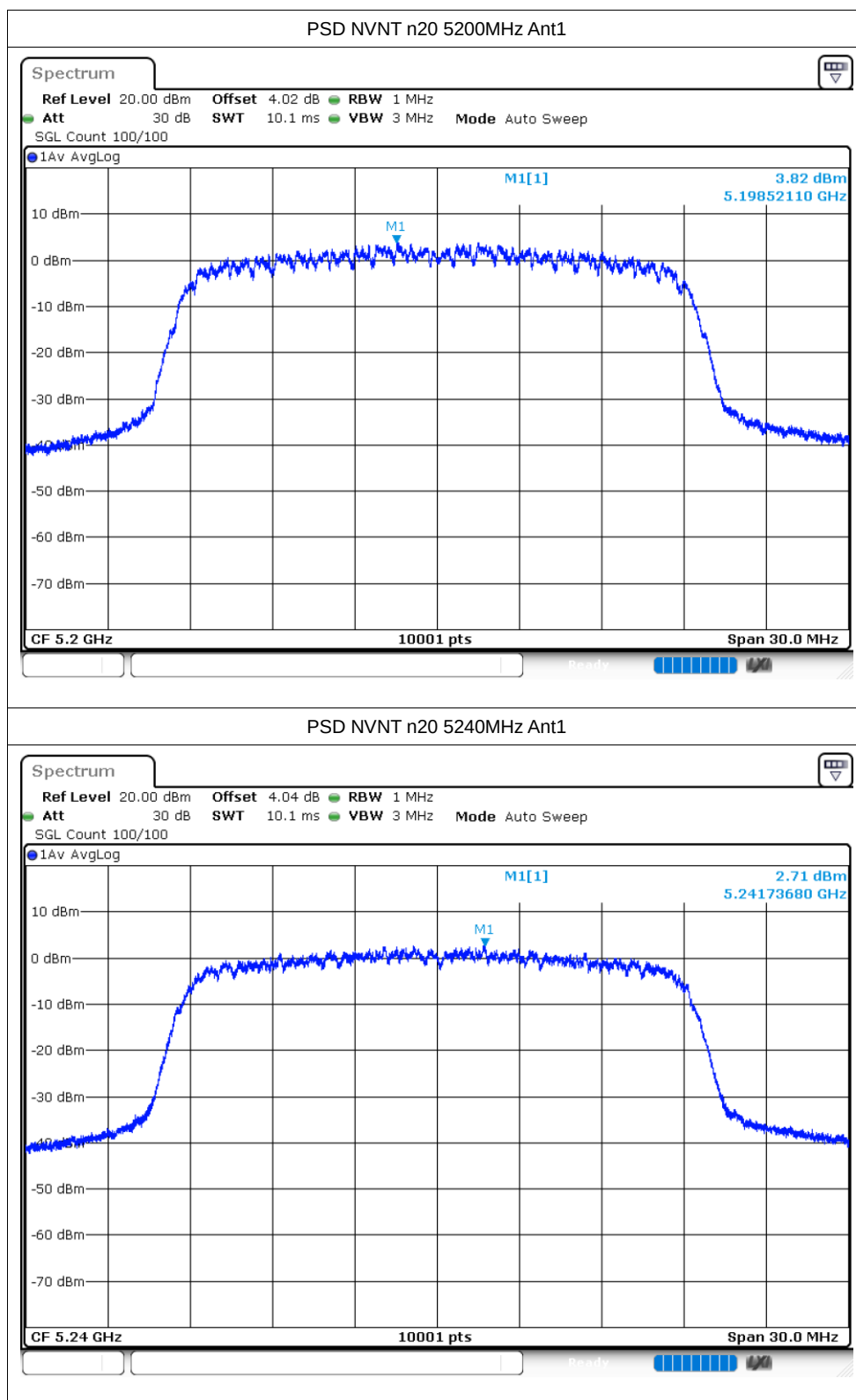
PSD NVNT a 5180MHz Ant1

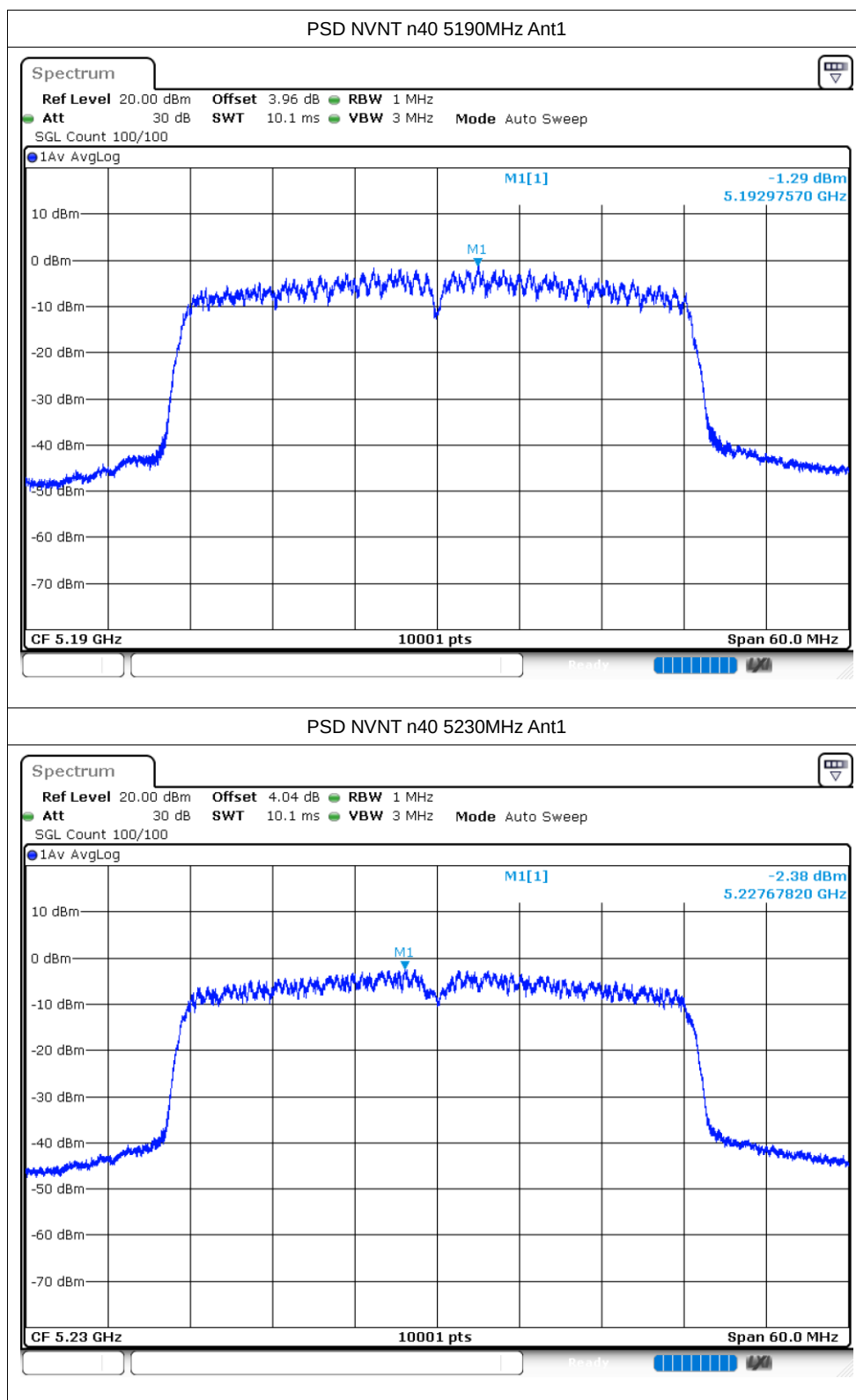


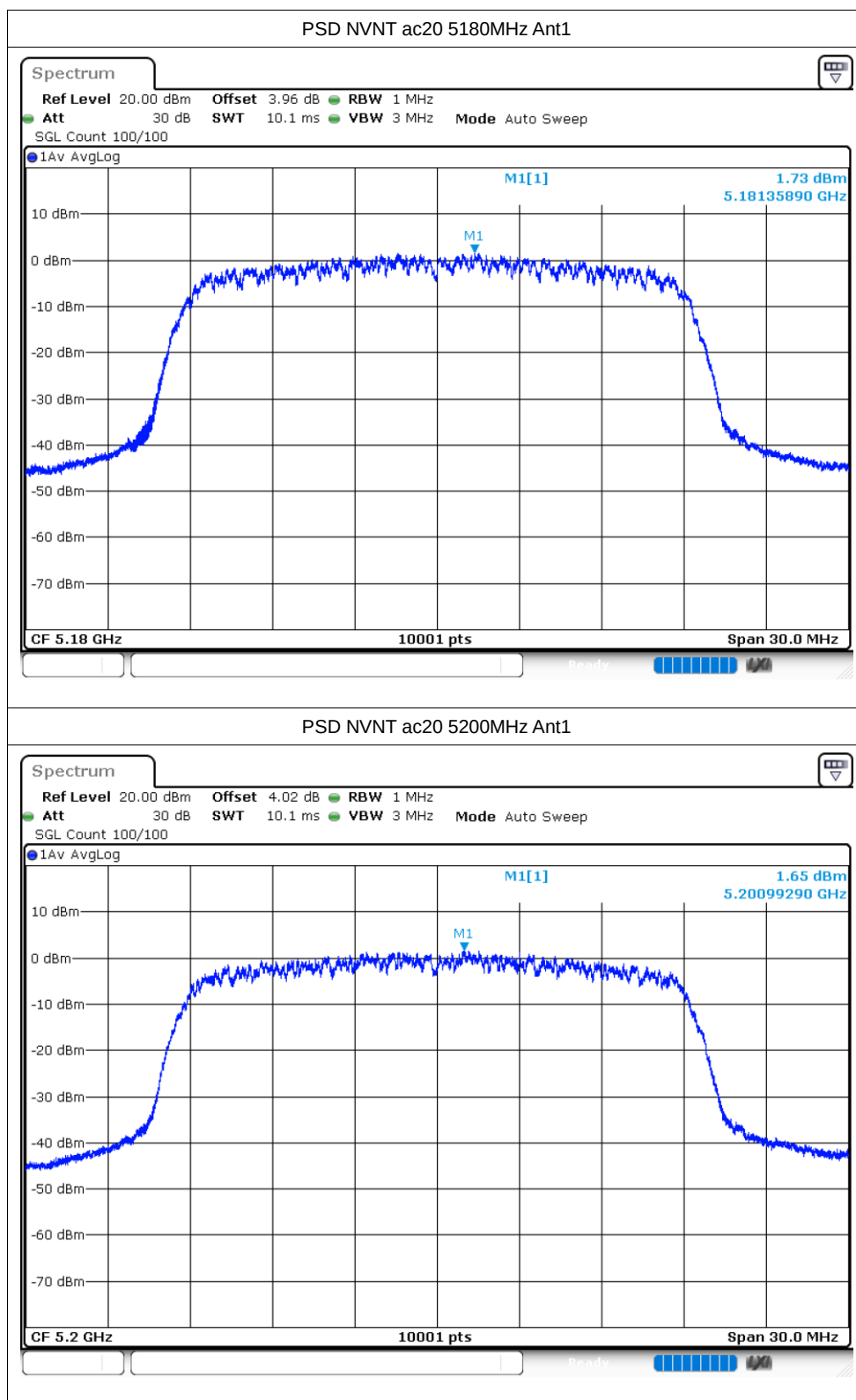
PSD NVNT a 5200MHz Ant1

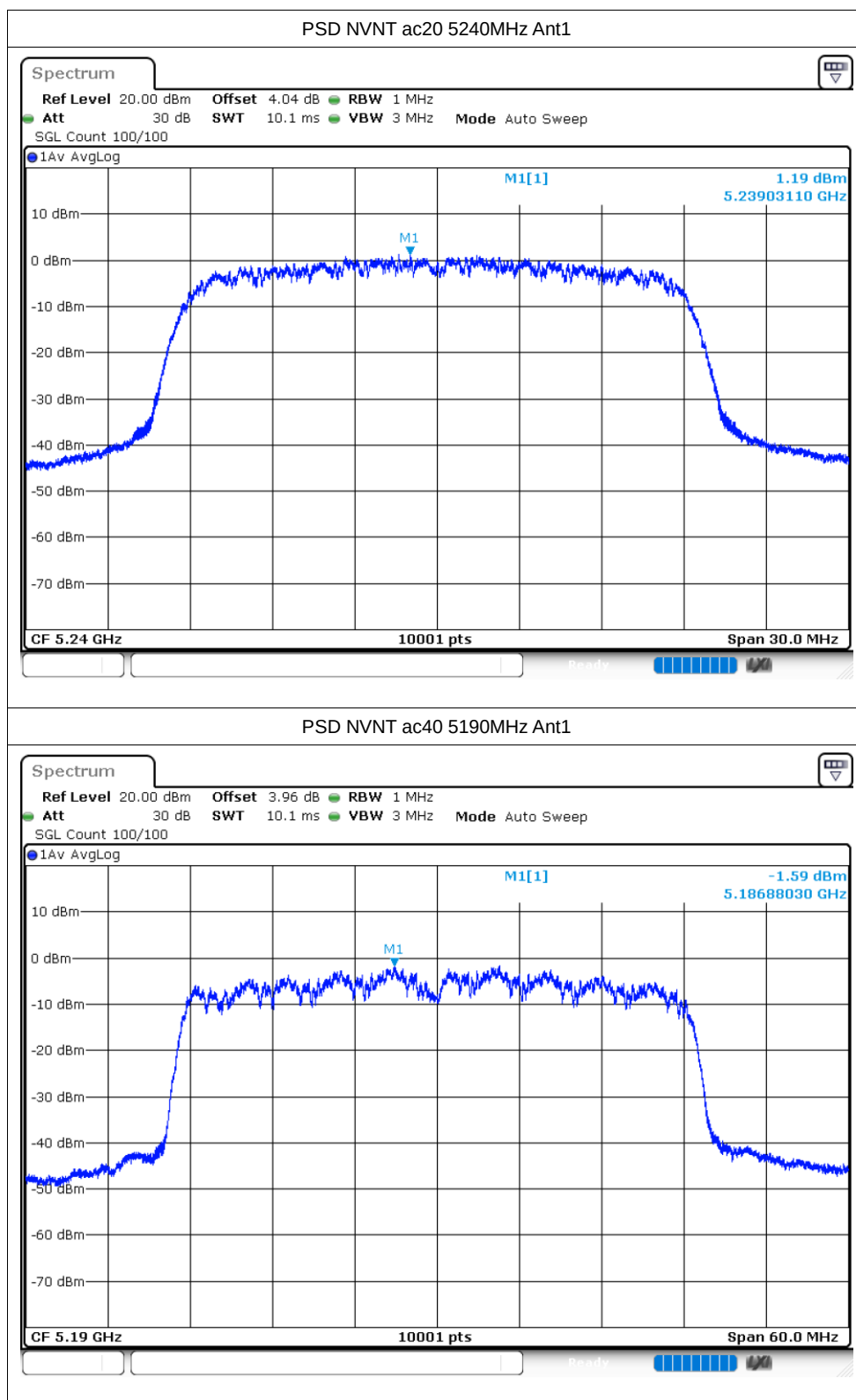


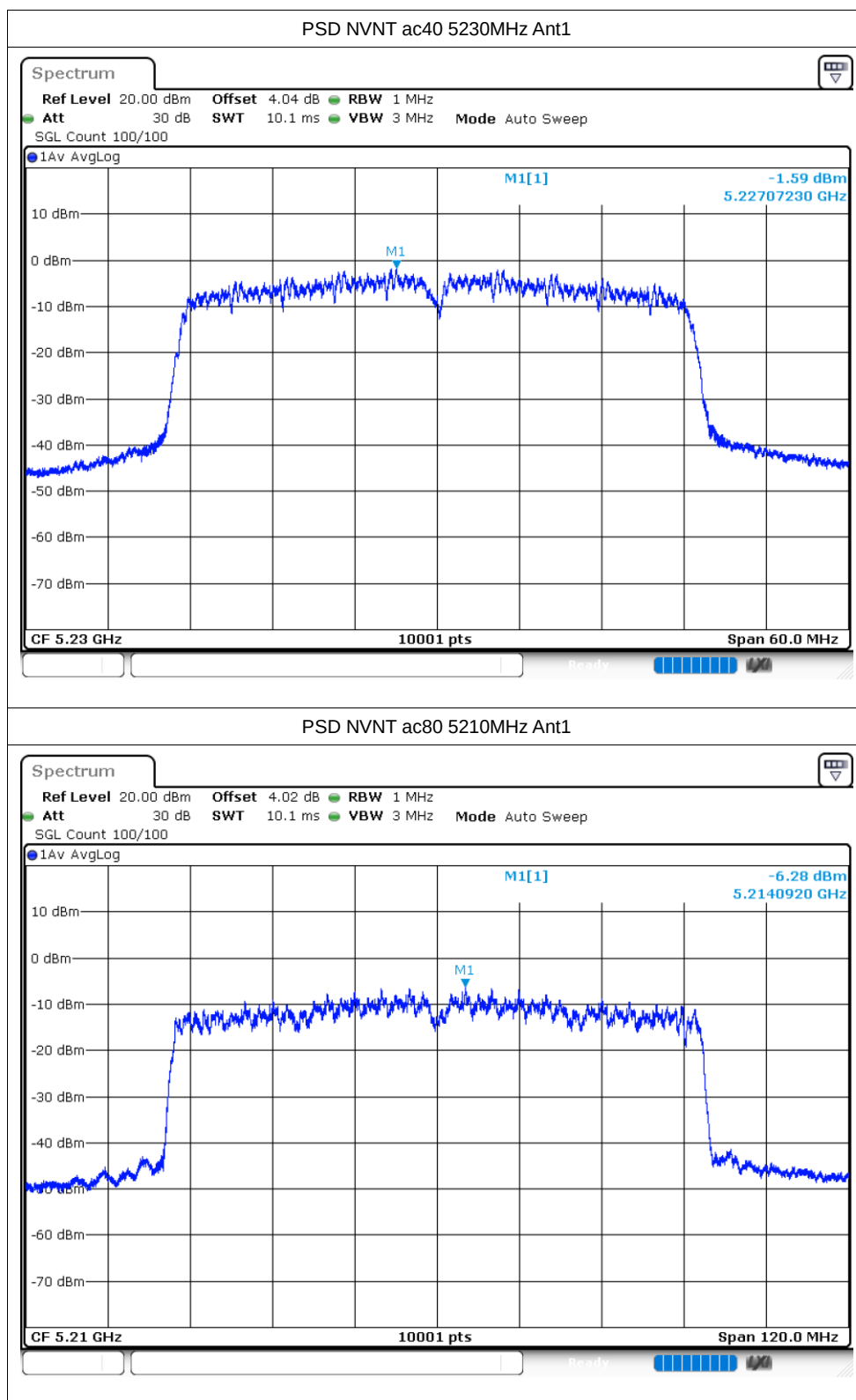










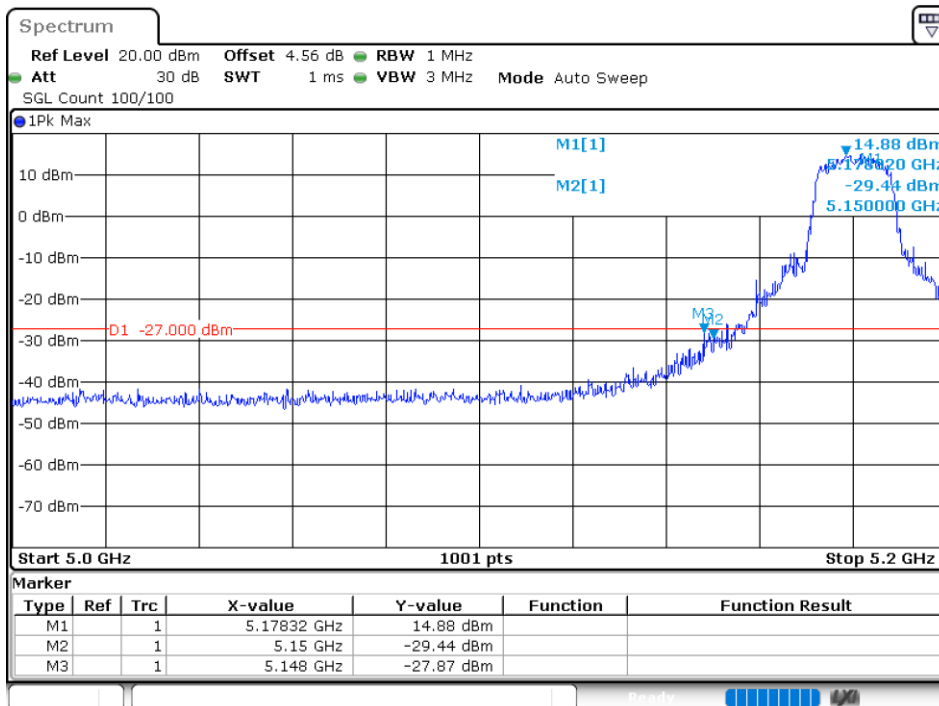


Band Edge

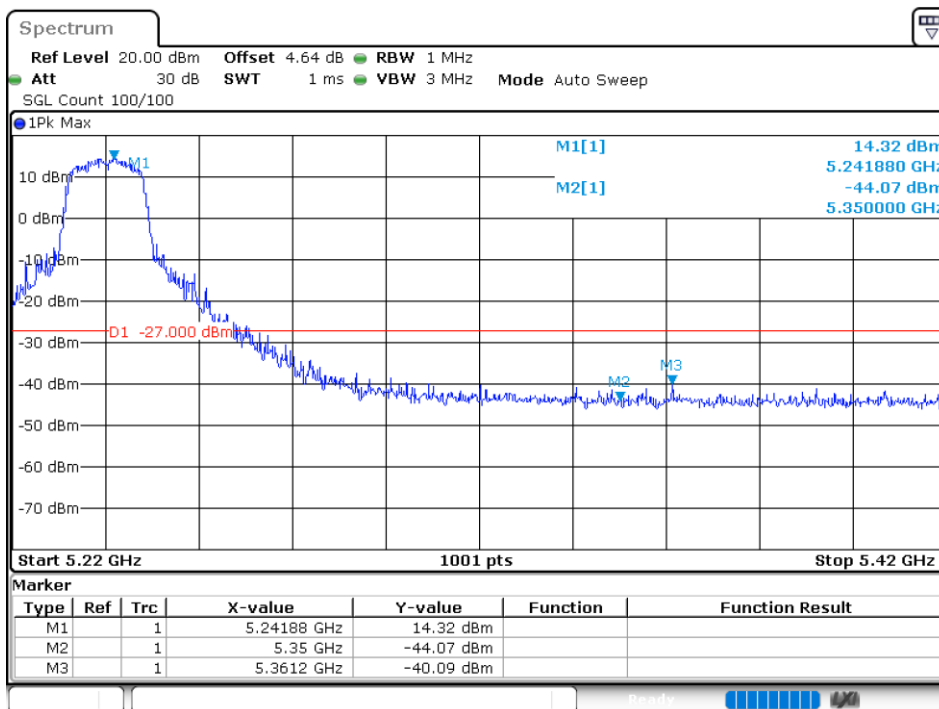
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-27.87	-27	Pass
NVNT	a	5240	Ant1	-40.09	-27	Pass
NVNT	n20	5180	Ant1	-34.34	-27	Pass
NVNT	n20	5240	Ant1	-41.73	-27	Pass
NVNT	n40	5190	Ant1	-29.73	-27	Pass
NVNT	n40	5230	Ant1	-42	-27	Pass
NVNT	ac20	5180	Ant1	-38.86	-27	Pass
NVNT	ac20	5240	Ant1	-41.7	-27	Pass
NVNT	ac40	5190	Ant1	-32.19	-27	Pass
NVNT	ac40	5230	Ant1	-42.22	-27	Pass
NVNT	ac80	5210	Ant1	-39.55	-27	Pass
NVNT	ac80	5210	Ant1	-29.5	-27	Pass

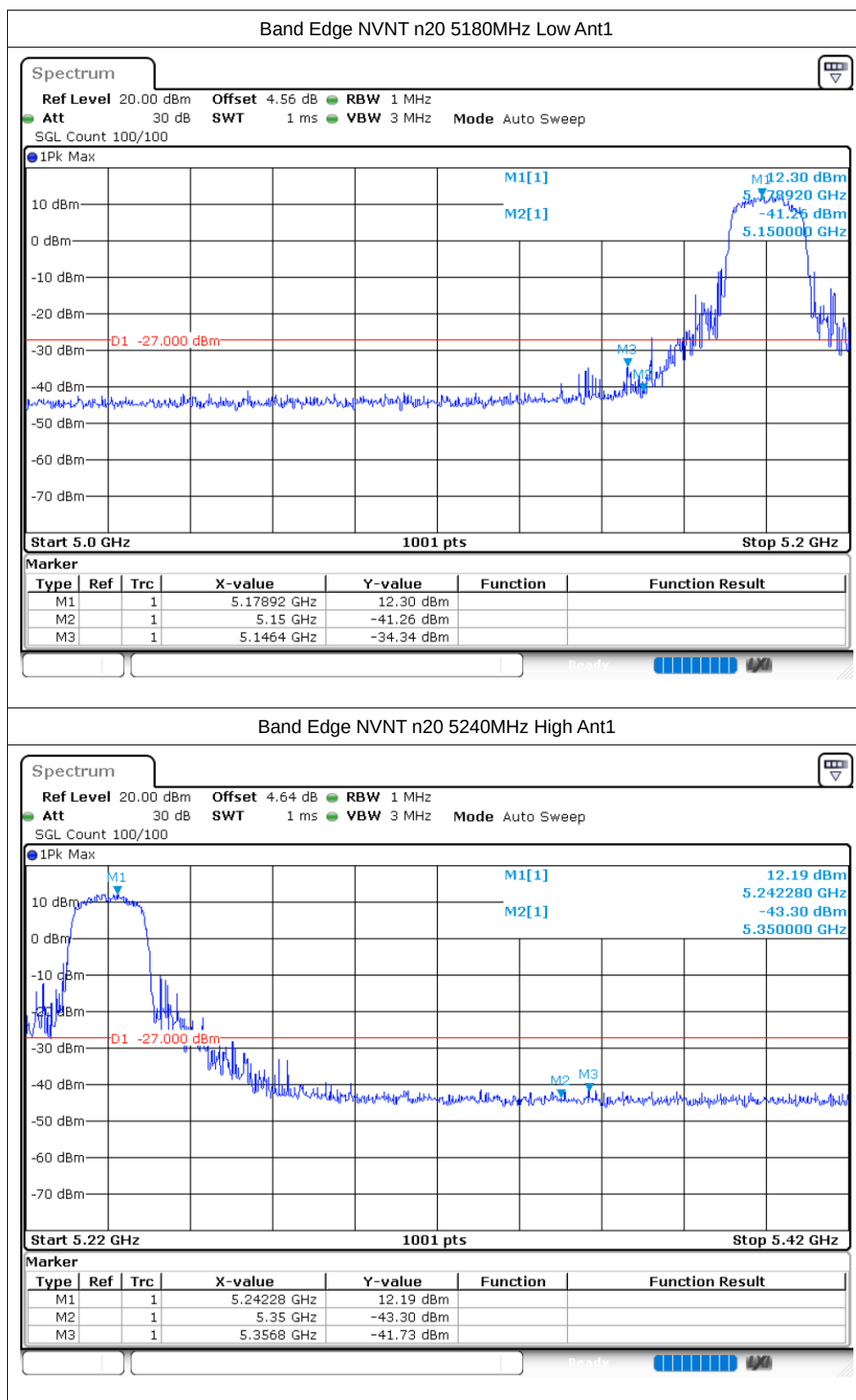
Test Graphs

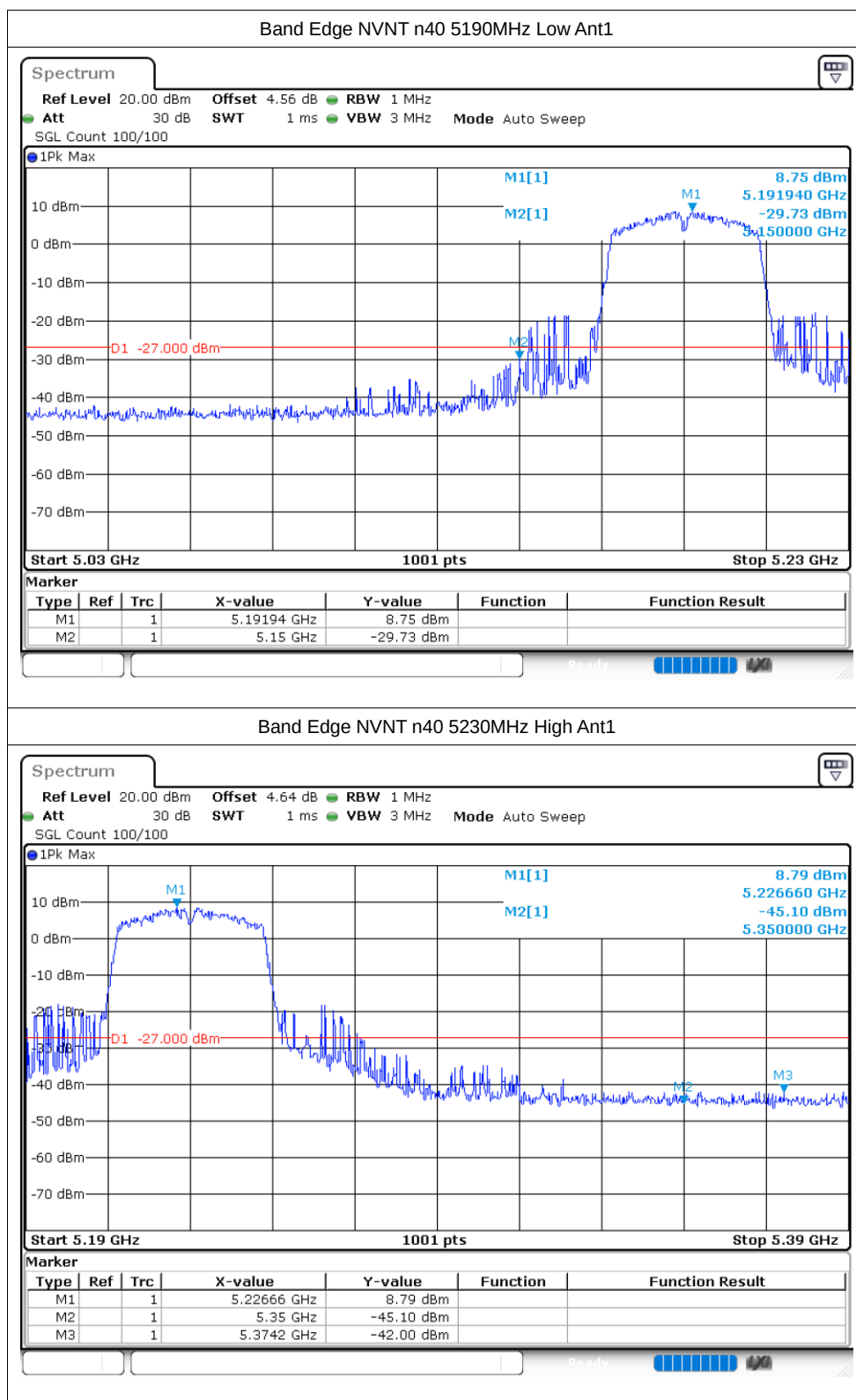
Band Edge NVNT a 5180MHz Low Ant1

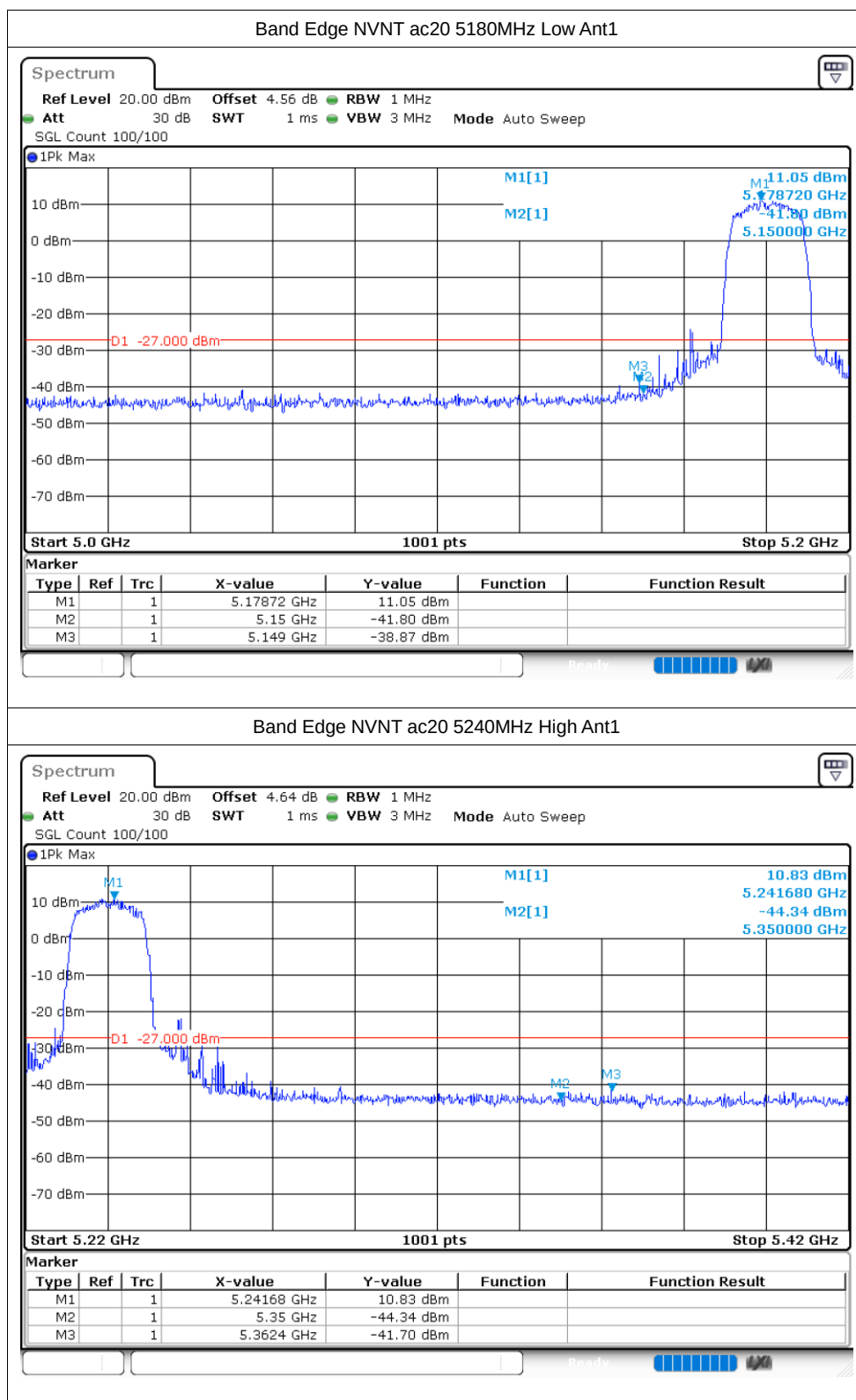


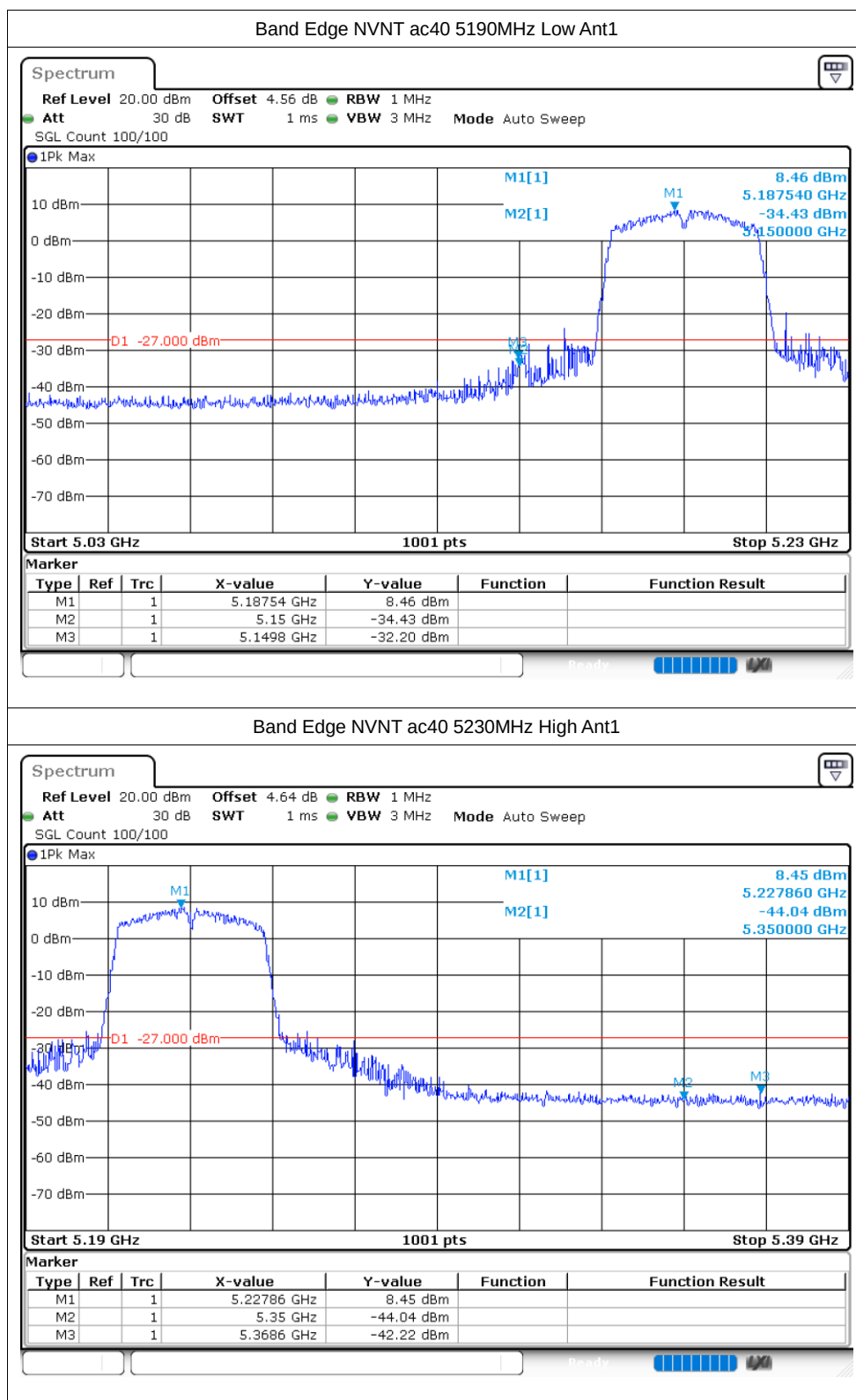
Band Edge NVNT a 5240MHz High Ant1

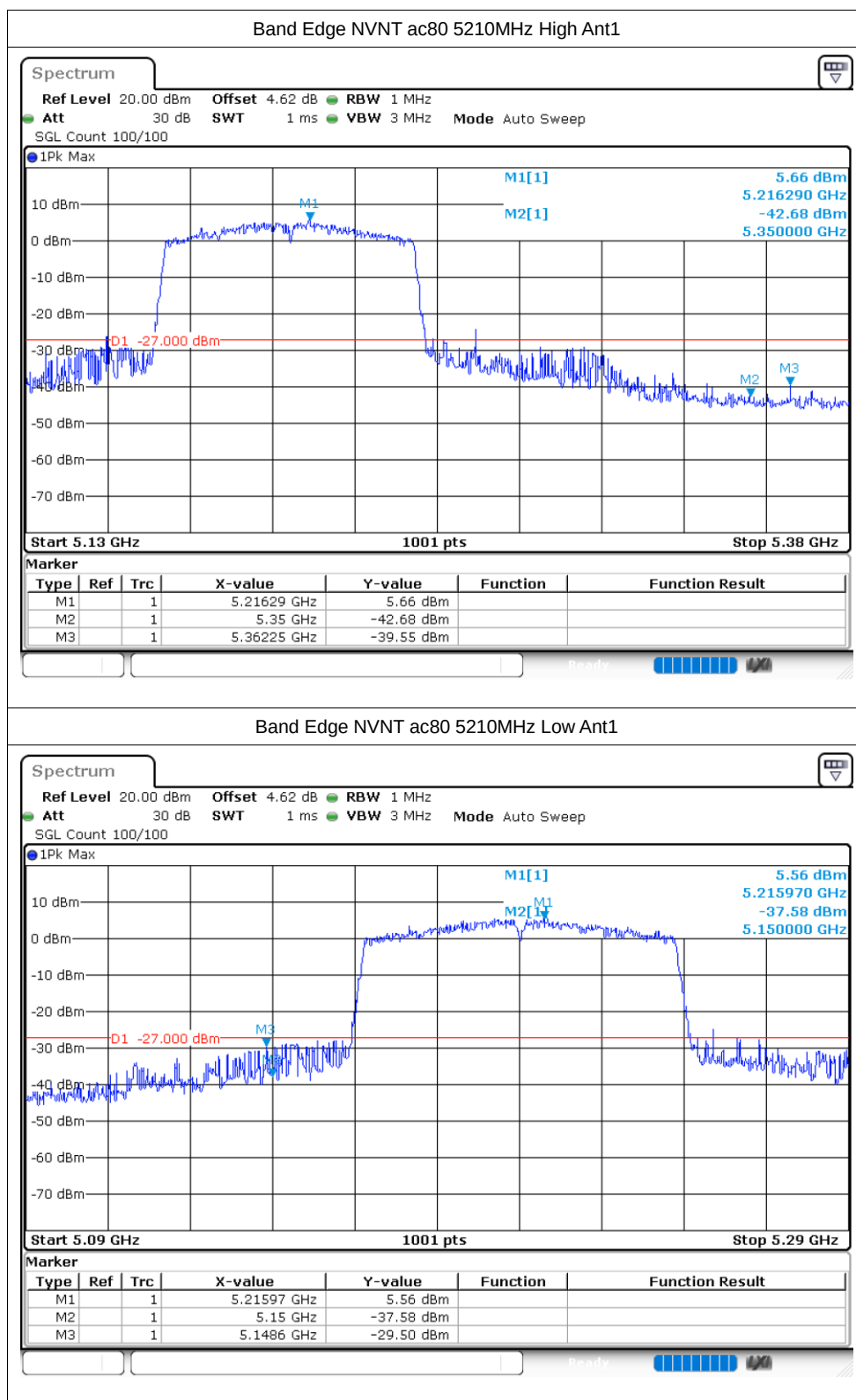












Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.77	-27	Pass
NVNT	a	5200	Ant1	-33.82	-27	Pass
NVNT	a	5240	Ant1	-33.73	-27	Pass
NVNT	n20	5180	Ant1	-33.74	-27	Pass
NVNT	n20	5200	Ant1	-33.69	-27	Pass
NVNT	n20	5240	Ant1	-33.62	-27	Pass
NVNT	n40	5190	Ant1	-33.87	-27	Pass
NVNT	n40	5230	Ant1	-34.05	-27	Pass
NVNT	ac20	5180	Ant1	-33.56	-27	Pass
NVNT	ac20	5200	Ant1	-34.12	-27	Pass
NVNT	ac20	5240	Ant1	-34.1	-27	Pass
NVNT	ac40	5190	Ant1	-33.42	-27	Pass
NVNT	ac40	5230	Ant1	-33.51	-27	Pass
NVNT	ac80	5210	Ant1	-33.73	-27	Pass

