

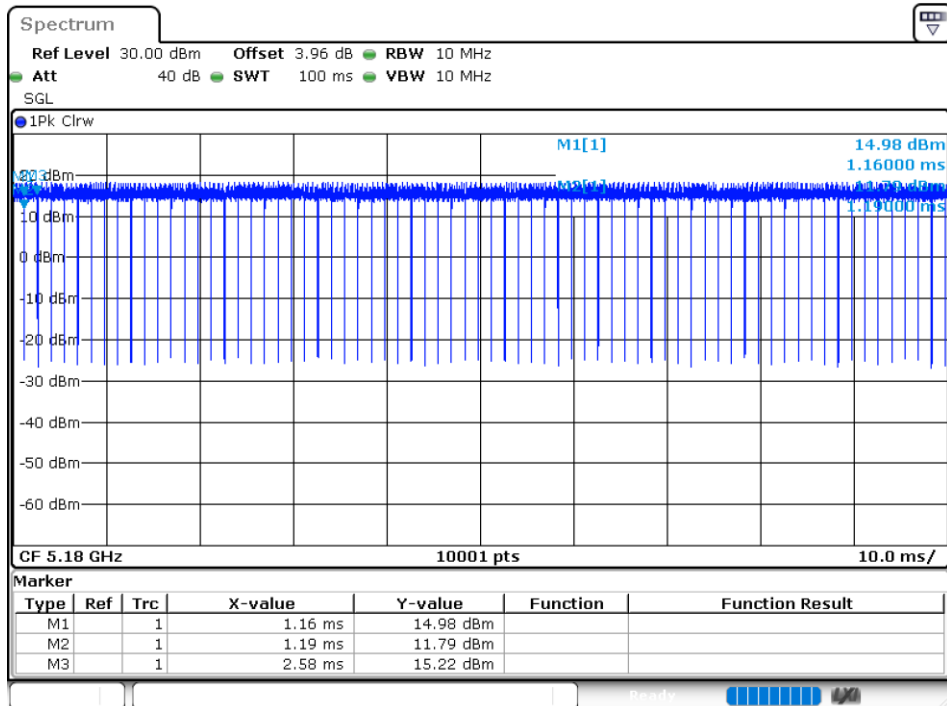
5.2G:

Duty Cycle

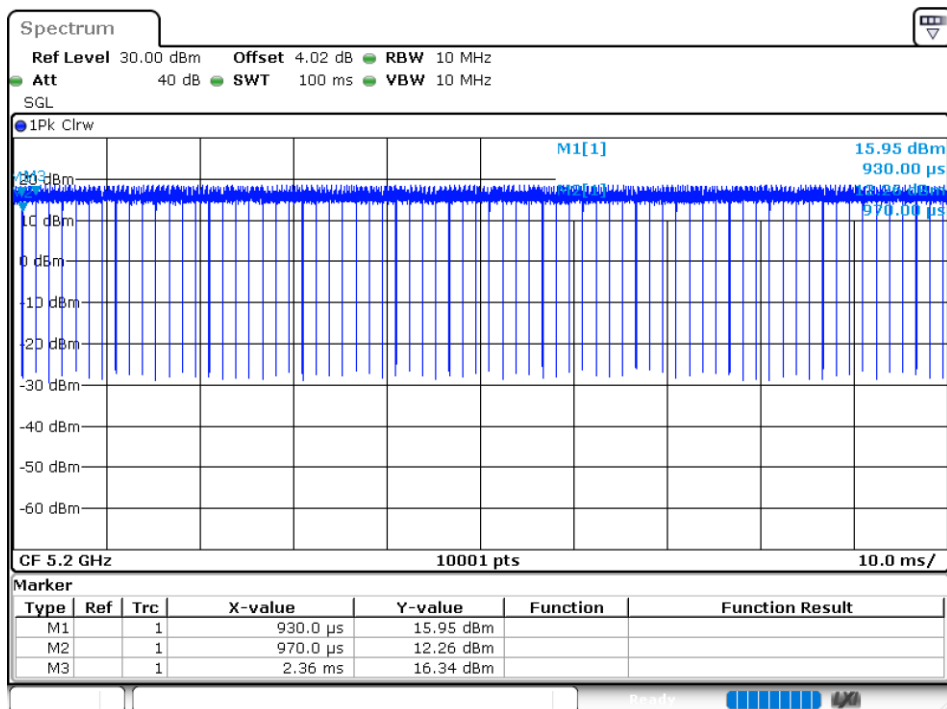
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.16	0.08	0.72
NVNT	a	5200	Ant1	98.15	0.08	0.72
NVNT	a	5240	Ant1	98.15	0.08	0.72
NVNT	n20	5180	Ant1	98.03	0.09	0.77
NVNT	n20	5200	Ant1	98.03	0.09	0.77
NVNT	n20	5240	Ant1	98.06	0.09	0.77
NVNT	n40	5190	Ant1	96.14	0.17	1.56
NVNT	n40	5230	Ant1	96.17	0.17	1.54
NVNT	ac20	5180	Ant1	98.08	0.08	0.76
NVNT	ac20	5200	Ant1	98.05	0.09	0.76
NVNT	ac20	5240	Ant1	98.05	0.09	0.76
NVNT	ac40	5190	Ant1	96.23	0.17	1.54
NVNT	ac40	5230	Ant1	96.27	0.17	1.52
NVNT	ac80	5210	Ant1	92.86	0.32	3.12

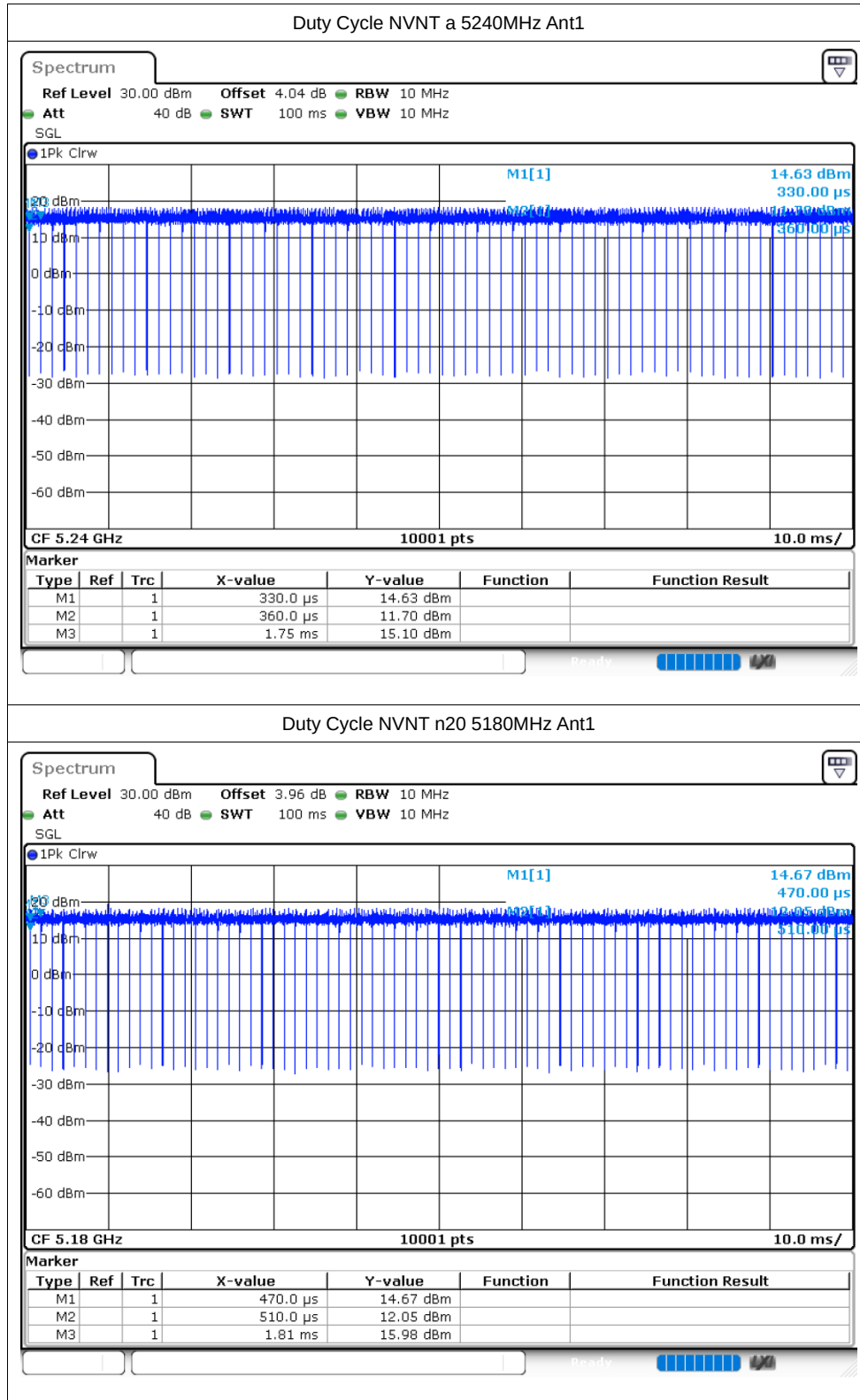
Test Graphs

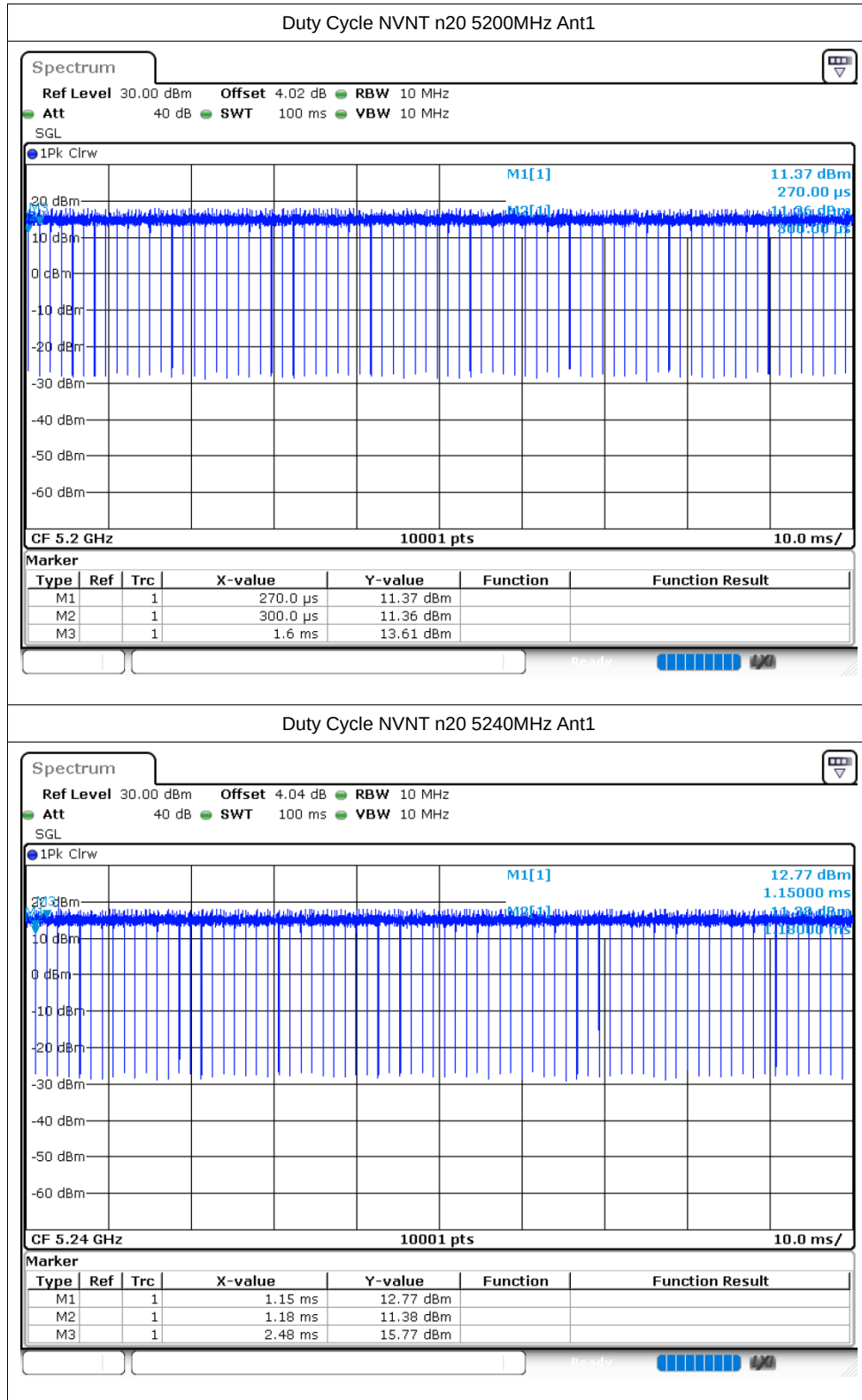
Duty Cycle NVNT a 5180MHz Ant1

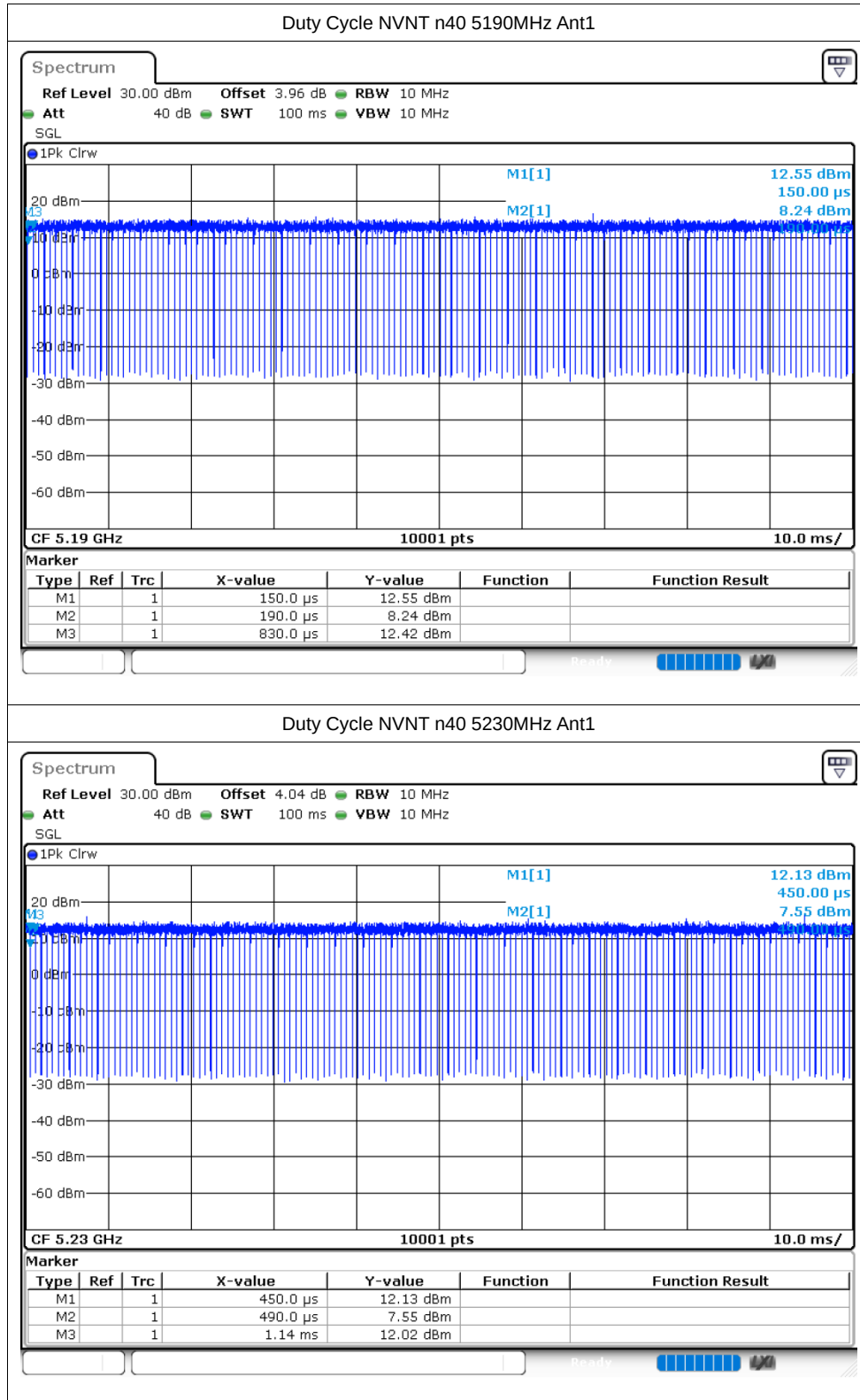


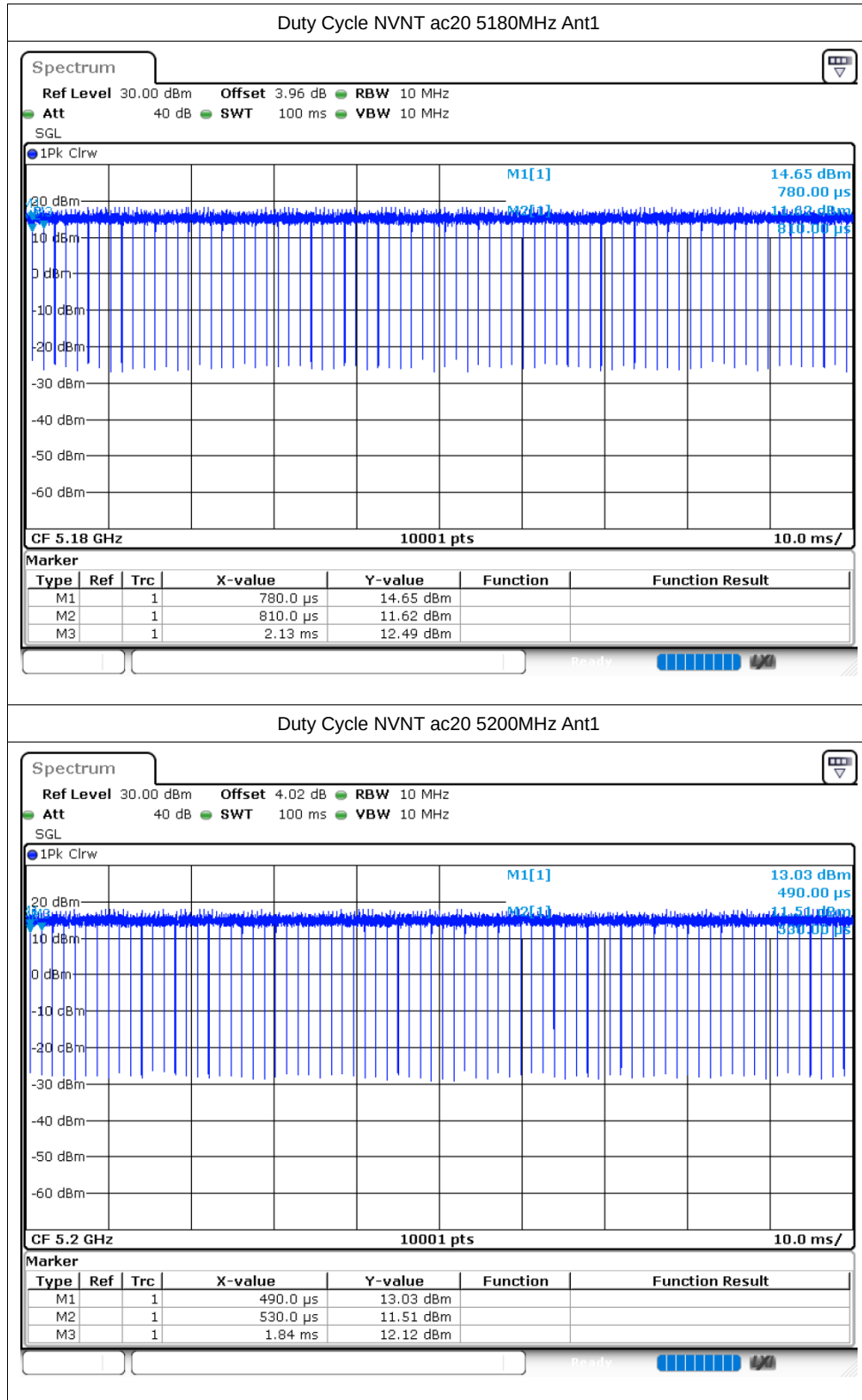
Duty Cycle NVNT a 5200MHz Ant1

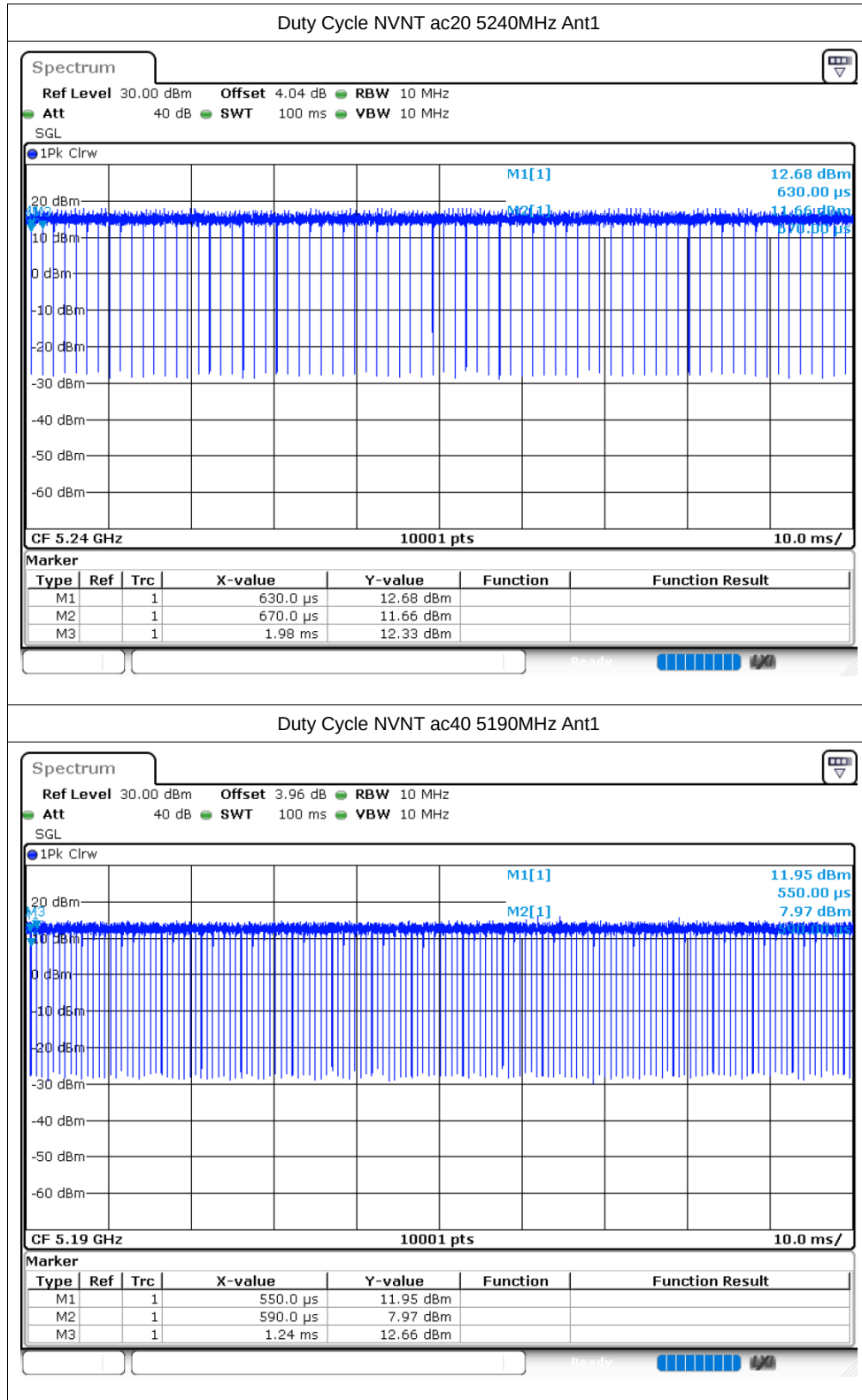


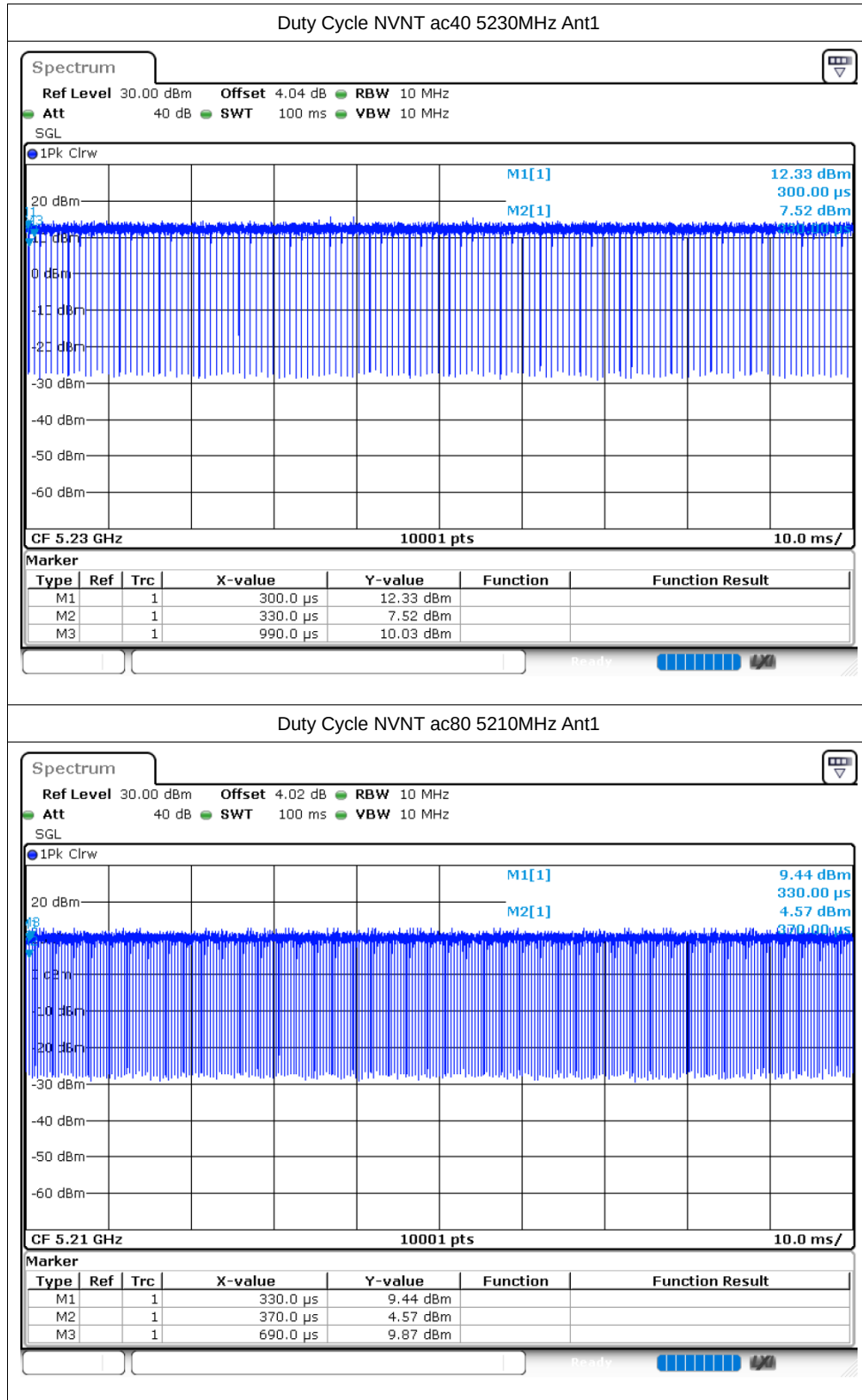












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.35	24	Pass
NVNT	a	5200	Ant1	11.62	24	Pass
NVNT	a	5240	Ant1	11.2	24	Pass
NVNT	n20	5180	Ant1	11.01	24	Pass
NVNT	n20	5200	Ant1	10.61	24	Pass
NVNT	n20	5240	Ant1	10.88	24	Pass
NVNT	n40	5190	Ant1	10.99	24	Pass
NVNT	n40	5230	Ant1	10.74	24	Pass
NVNT	ac20	5180	Ant1	11	24	Pass
NVNT	ac20	5200	Ant1	10.69	24	Pass
NVNT	ac20	5240	Ant1	10.79	24	Pass
NVNT	ac40	5190	Ant1	10.59	24	Pass
NVNT	ac40	5230	Ant1	11	24	Pass
NVNT	ac80	5210	Ant1	10.79	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	19.785	Pass
NVNT	a	5200	Ant1	19.38	Pass
NVNT	a	5240	Ant1	19.539	Pass
NVNT	n20	5180	Ant1	19.719	Pass
NVNT	n20	5200	Ant1	20.196	Pass
NVNT	n20	5240	Ant1	20.07	Pass
NVNT	n40	5190	Ant1	40.656	Pass
NVNT	n40	5230	Ant1	40.668	Pass
NVNT	ac20	5180	Ant1	20.265	Pass
NVNT	ac20	5200	Ant1	20.175	Pass
NVNT	ac20	5240	Ant1	20.022	Pass
NVNT	ac40	5190	Ant1	40.662	Pass
NVNT	ac40	5230	Ant1	40.806	Pass
NVNT	ac80	5210	Ant1	81.768	Pass

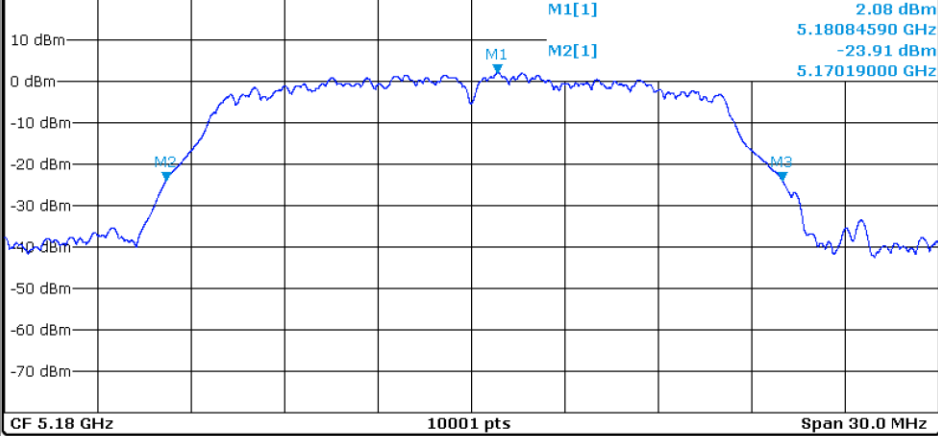
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.96 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

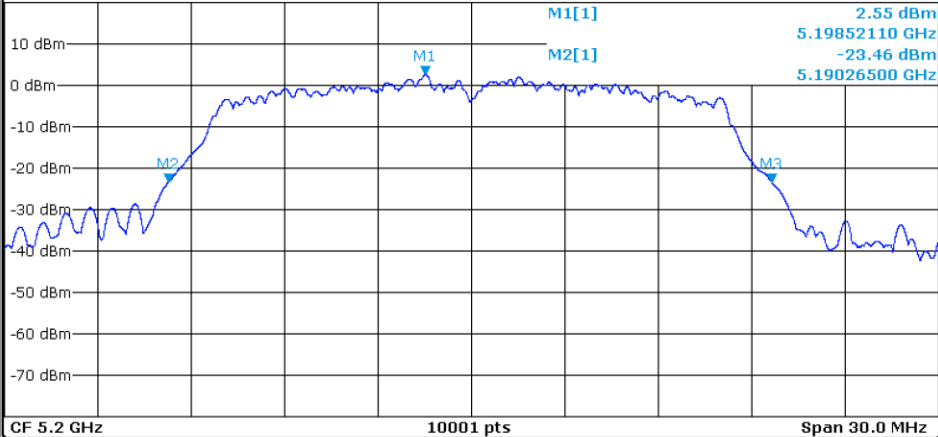


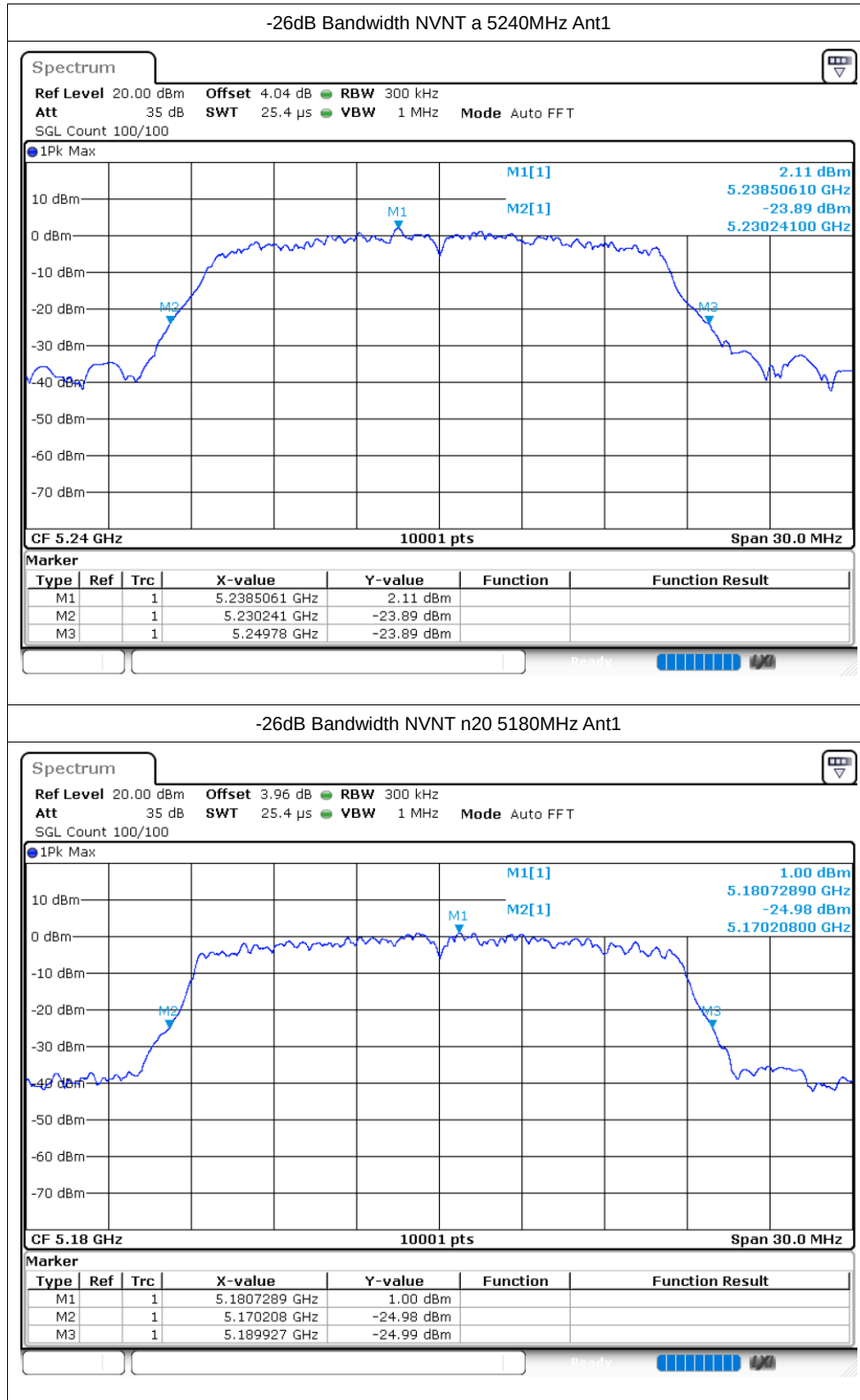
-26dB Bandwidth NVNT a 5200MHz Ant1

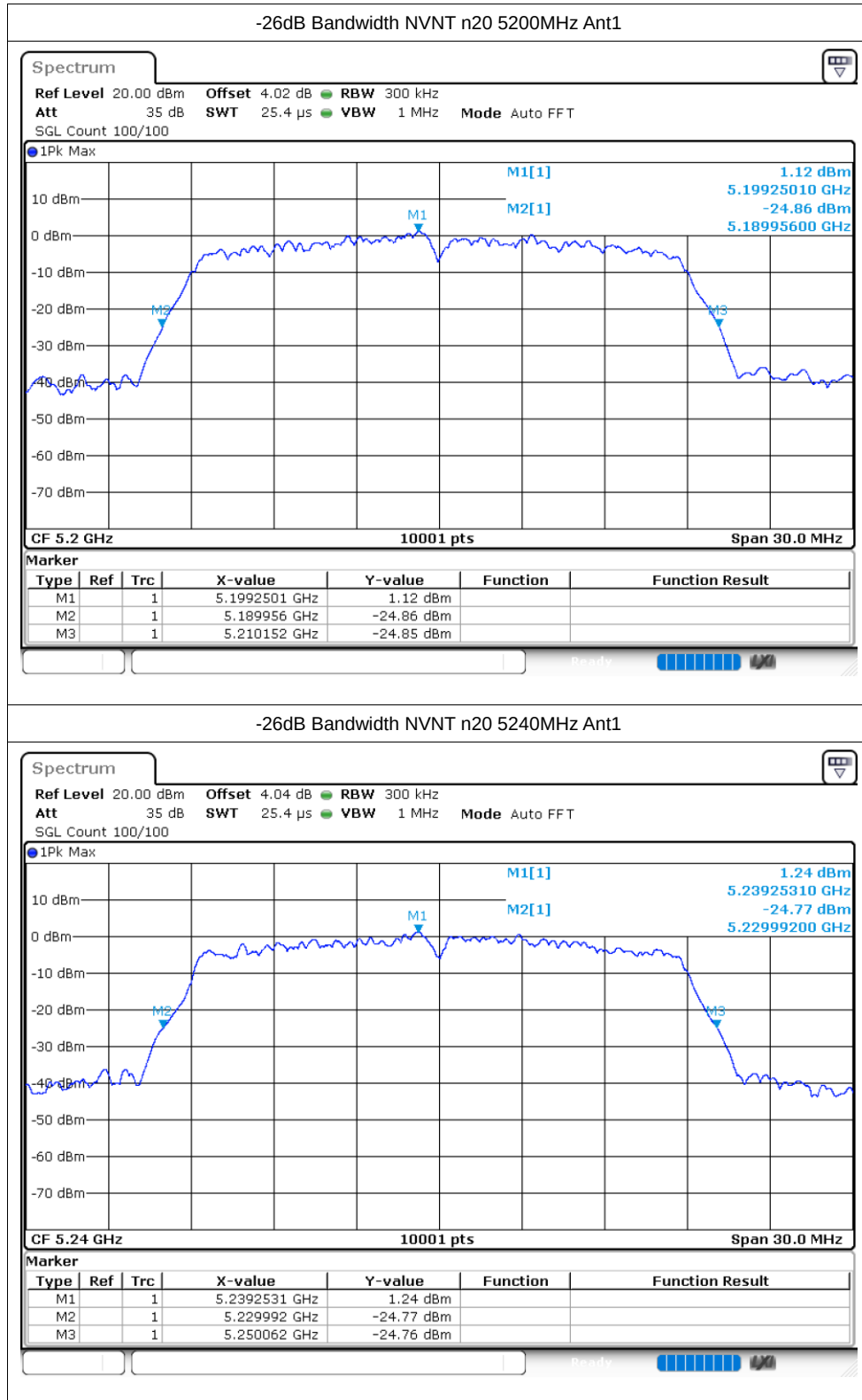
Spectrum

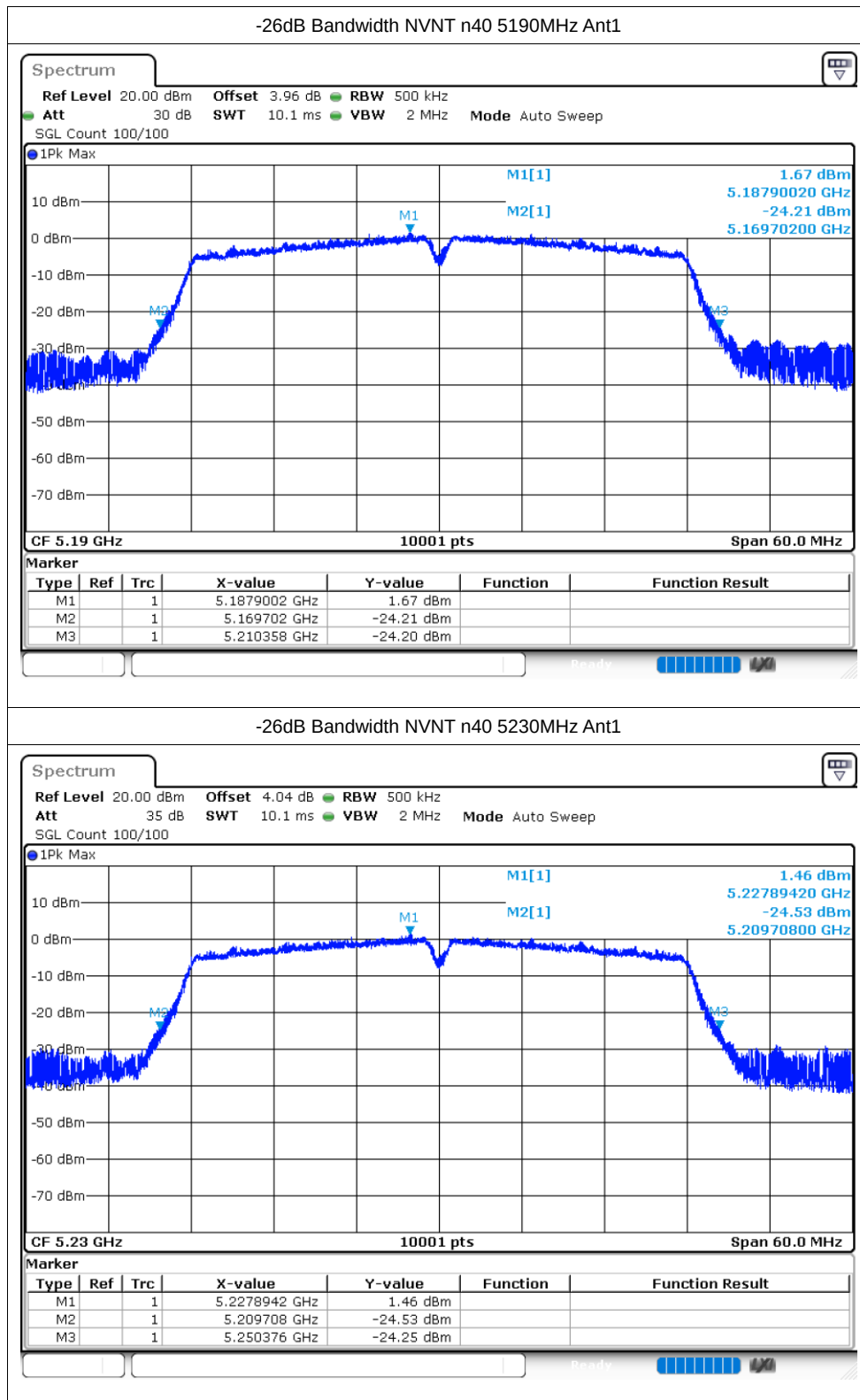
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

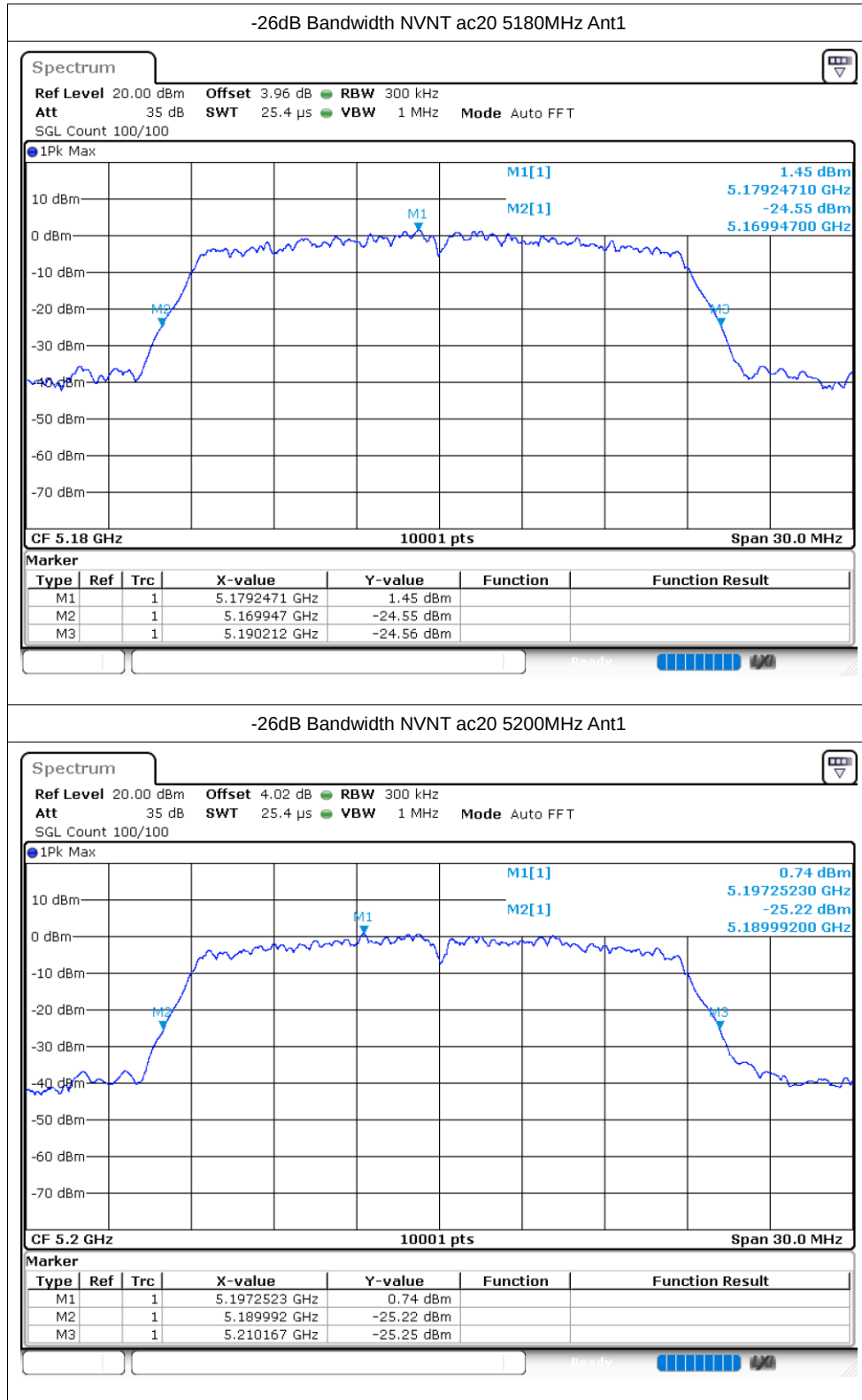
1Pk Max

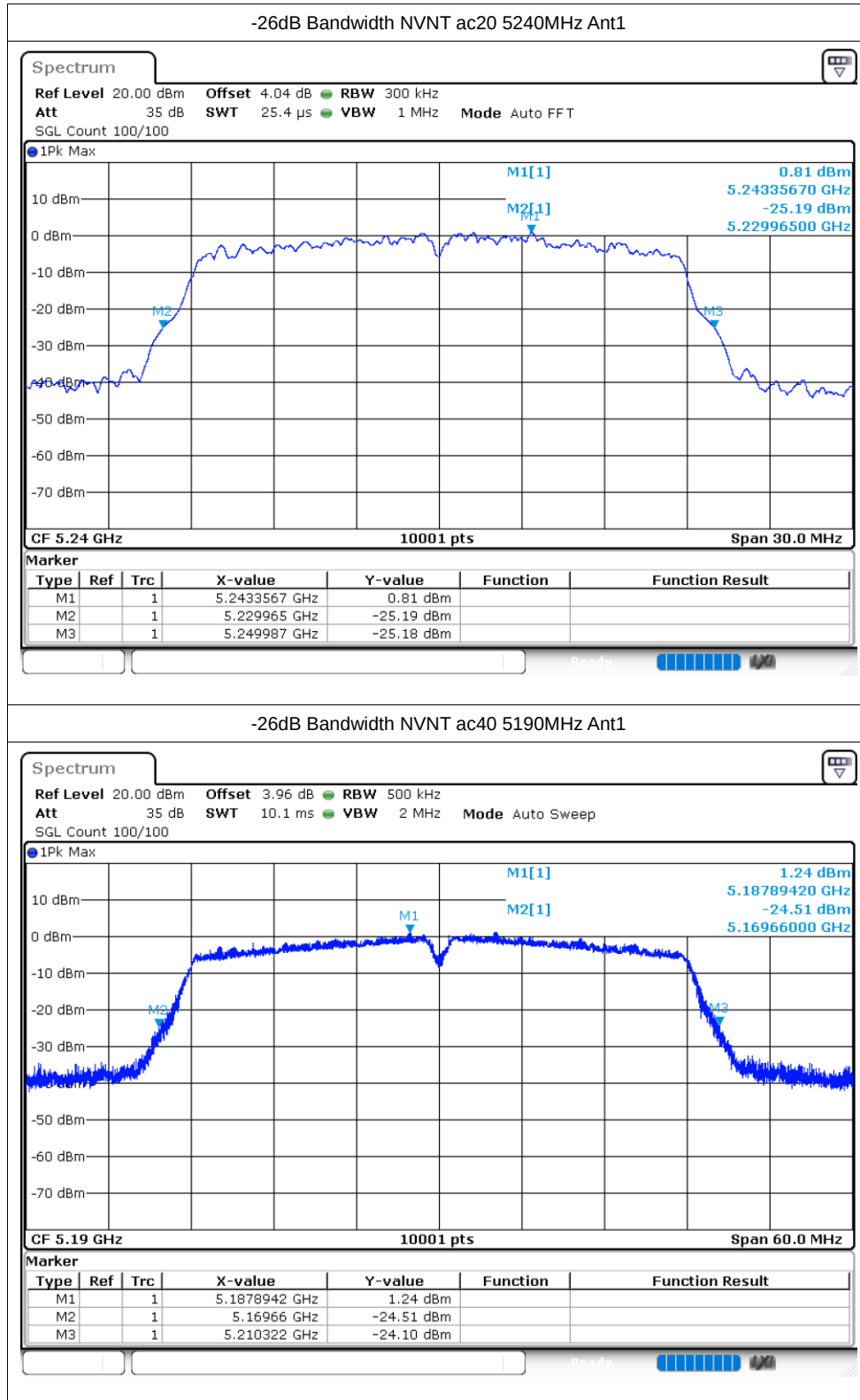


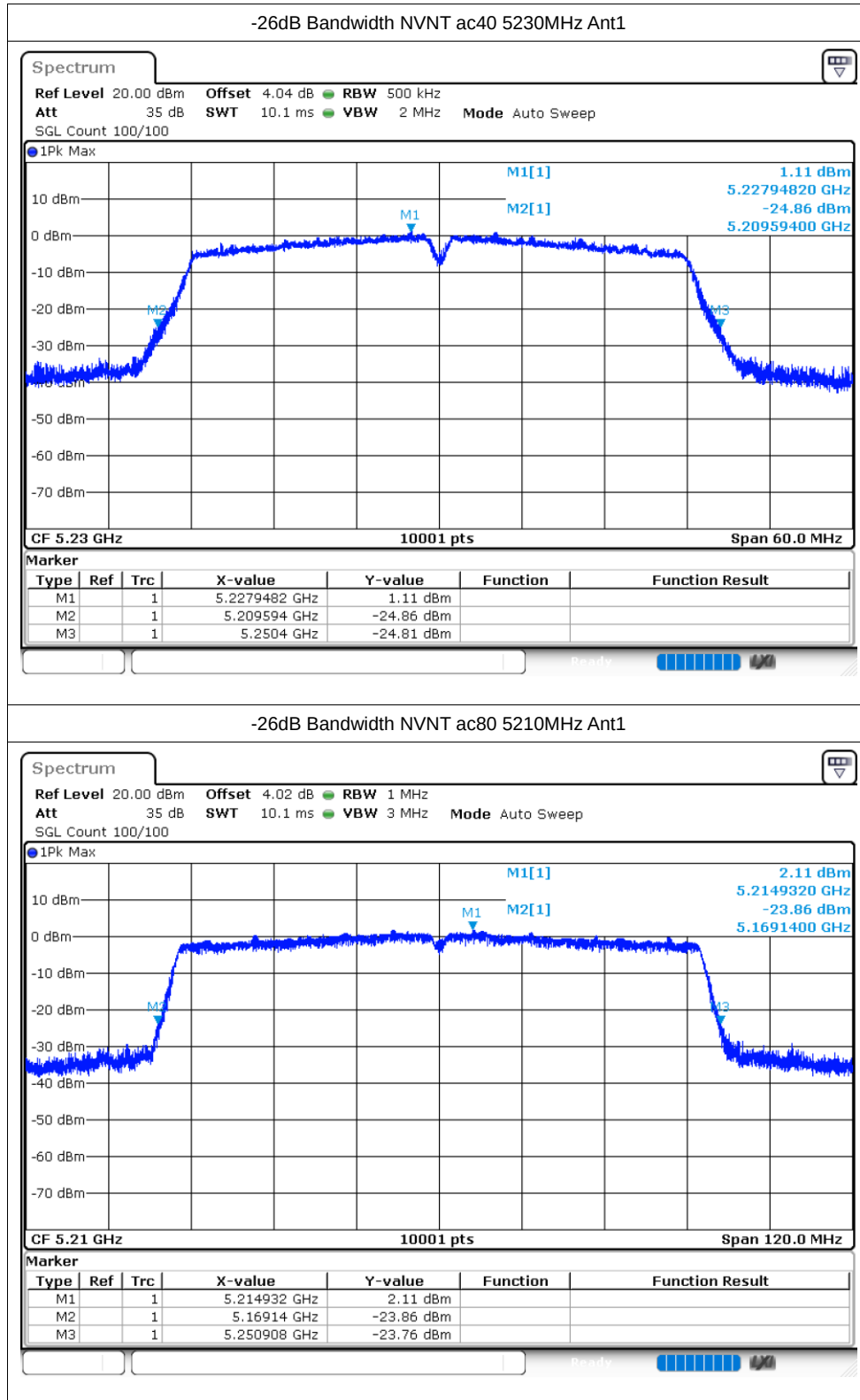










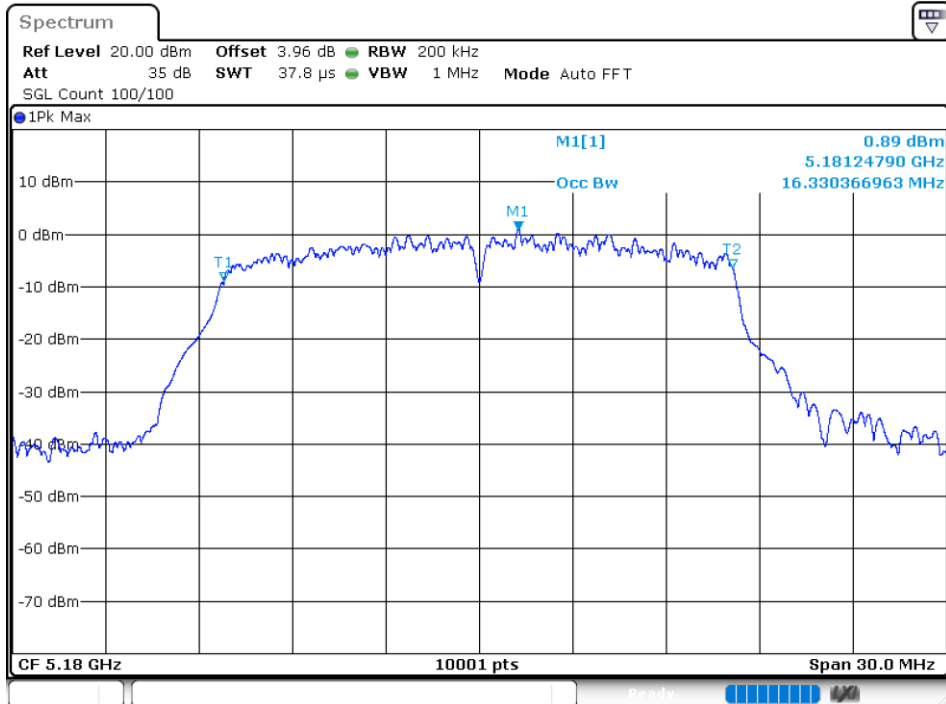


Occupied Channel Bandwidth

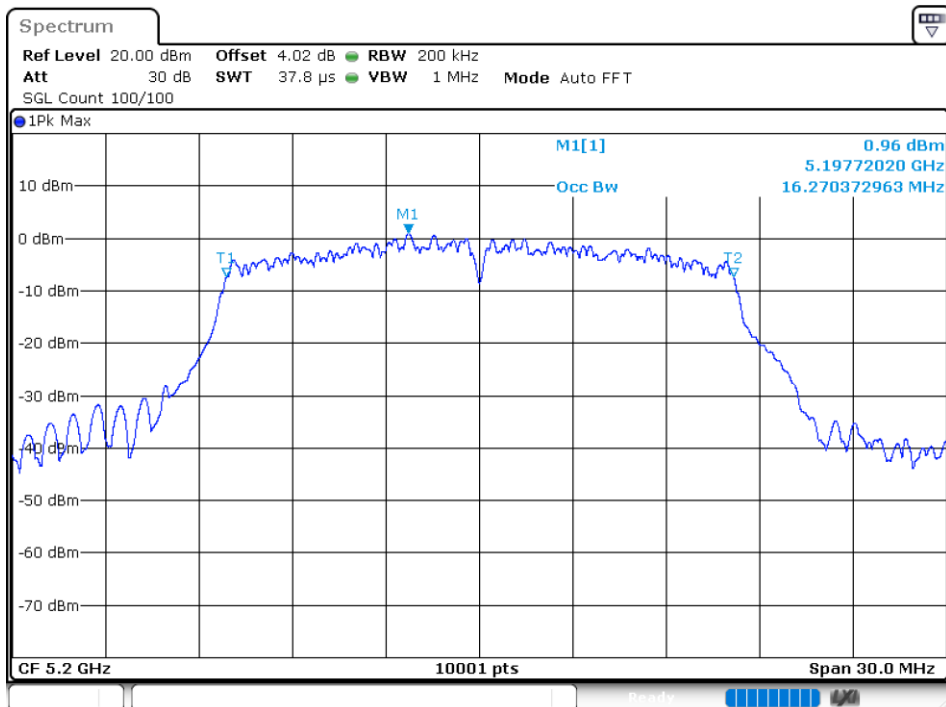
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.33
NVNT	a	5200	Ant1	16.27
NVNT	a	5240	Ant1	16.435
NVNT	n20	5180	Ant1	17.536
NVNT	n20	5200	Ant1	17.491
NVNT	n20	5240	Ant1	17.506
NVNT	n40	5190	Ant1	35.948
NVNT	n40	5230	Ant1	36.008
NVNT	ac20	5180	Ant1	17.533
NVNT	ac20	5200	Ant1	17.512
NVNT	ac20	5240	Ant1	17.506
NVNT	ac40	5190	Ant1	35.9
NVNT	ac40	5230	Ant1	35.954
NVNT	ac80	5210	Ant1	75.556

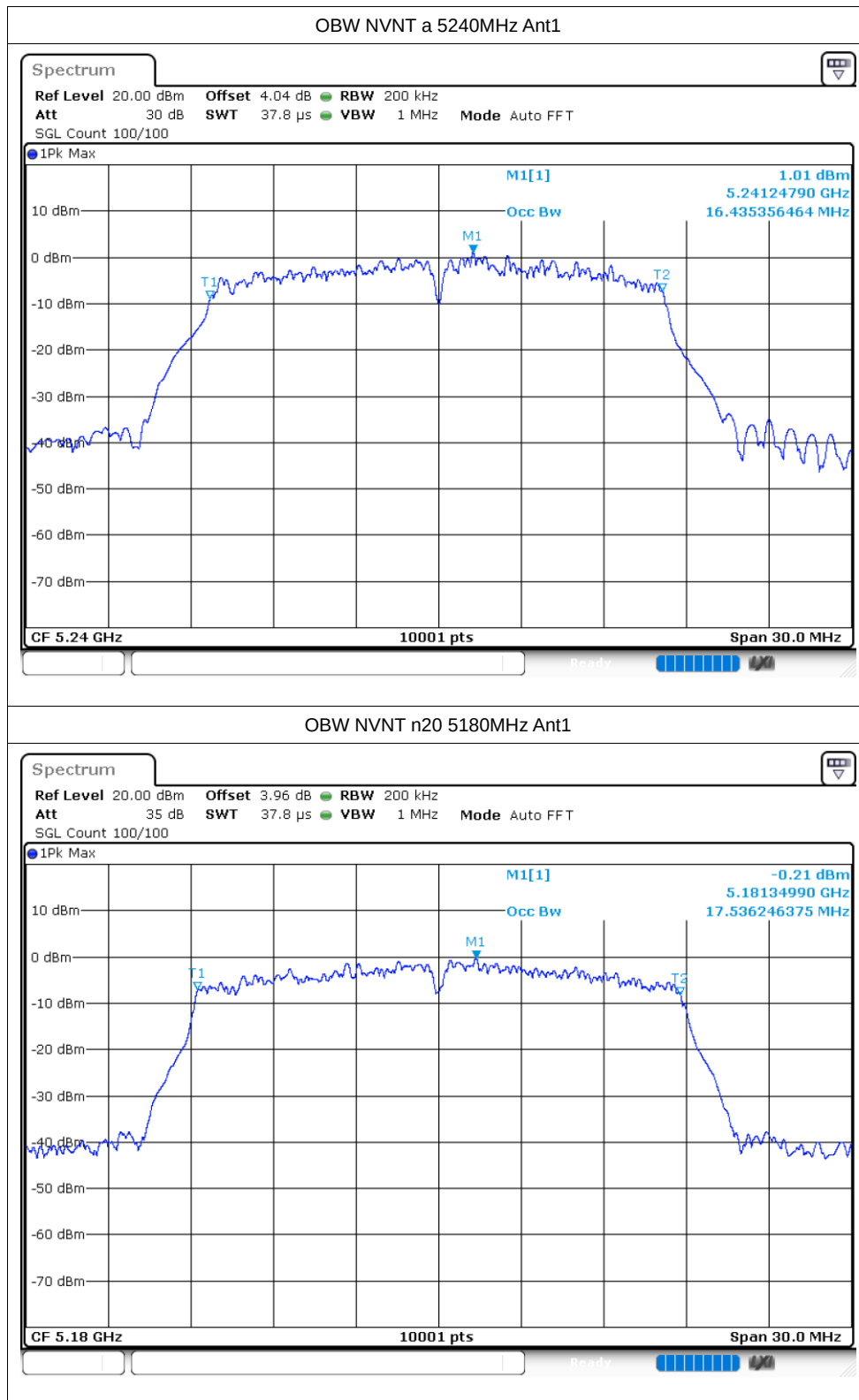
Test Graphs

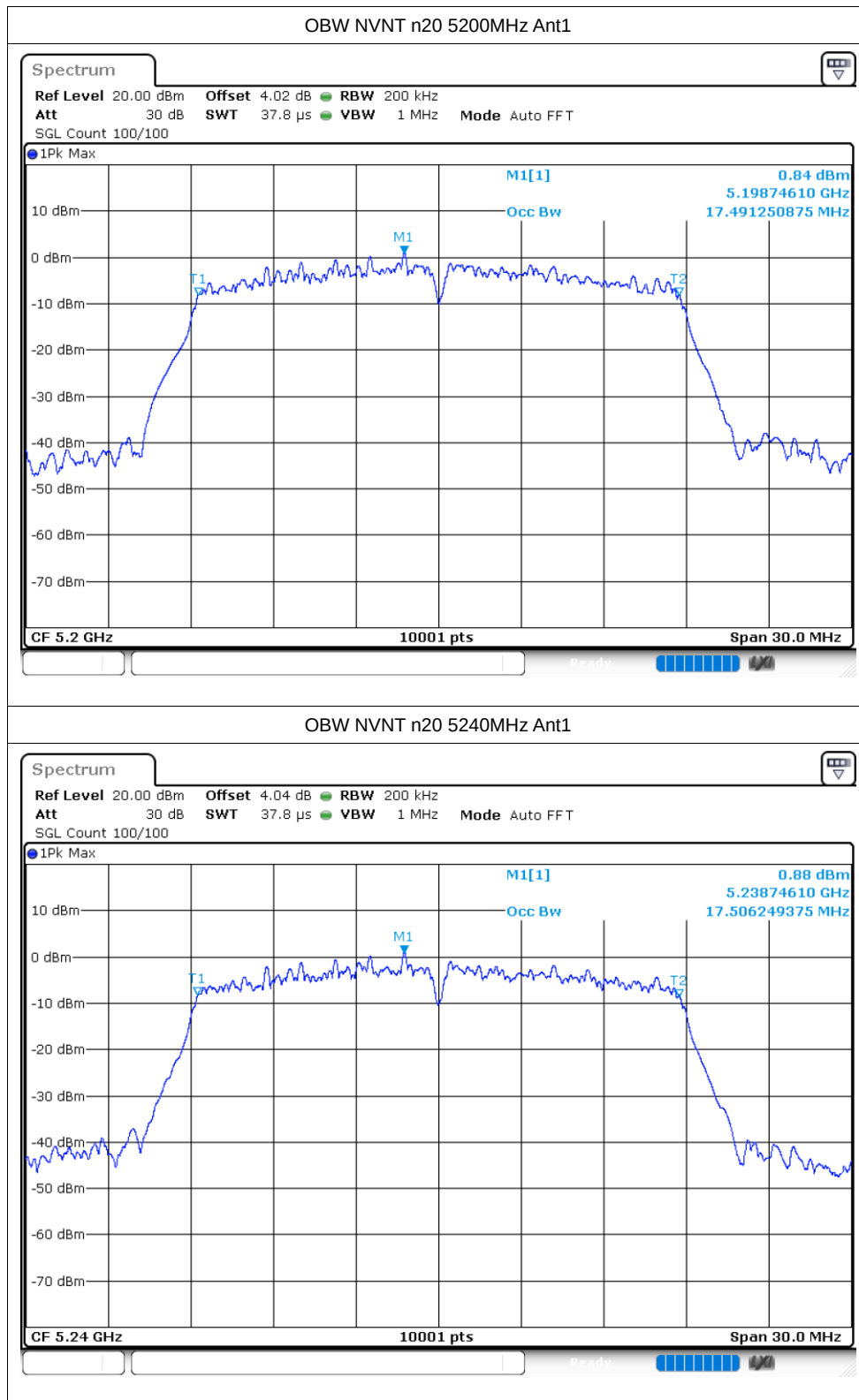
OBW NVNT a 5180MHz Ant1

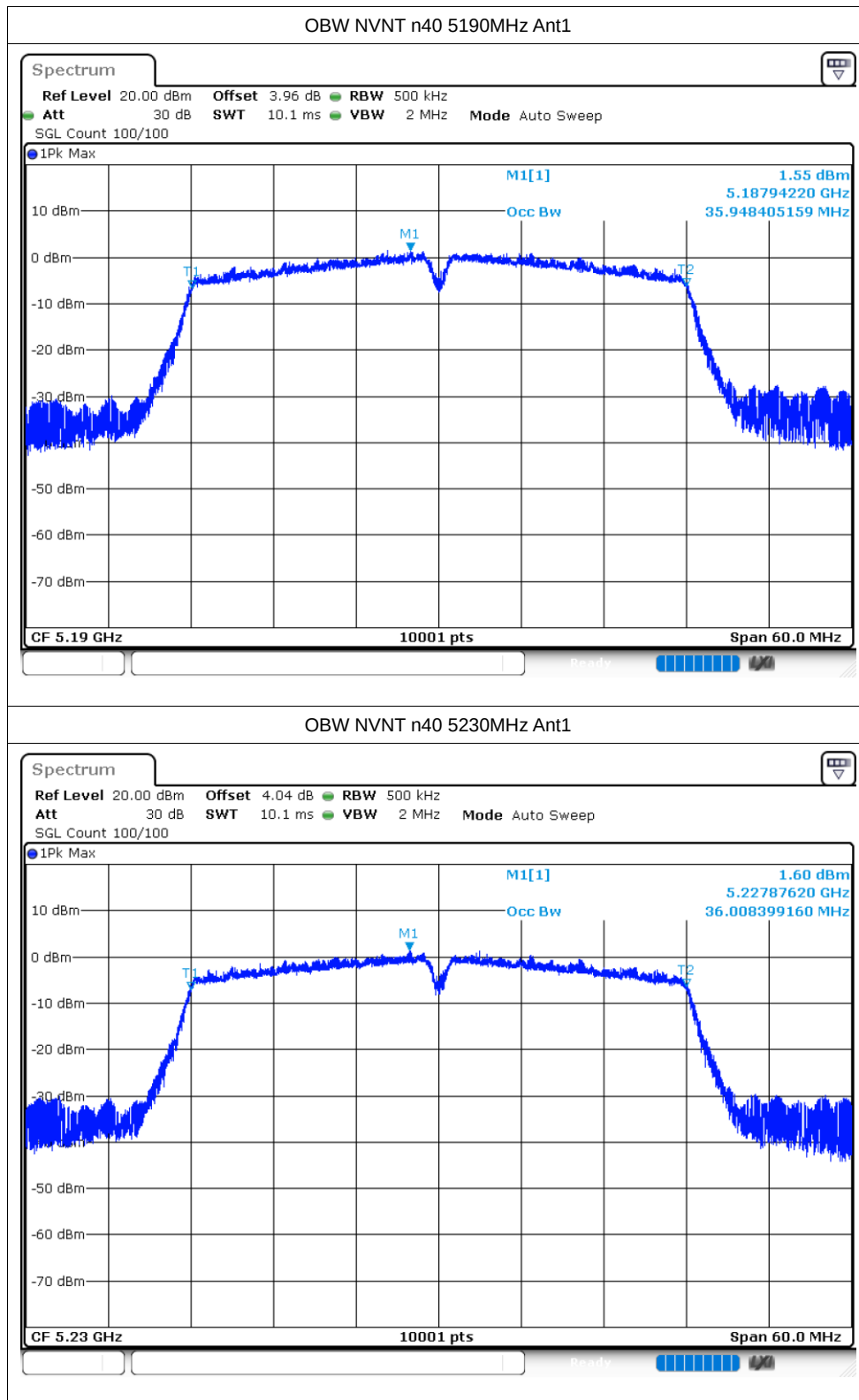


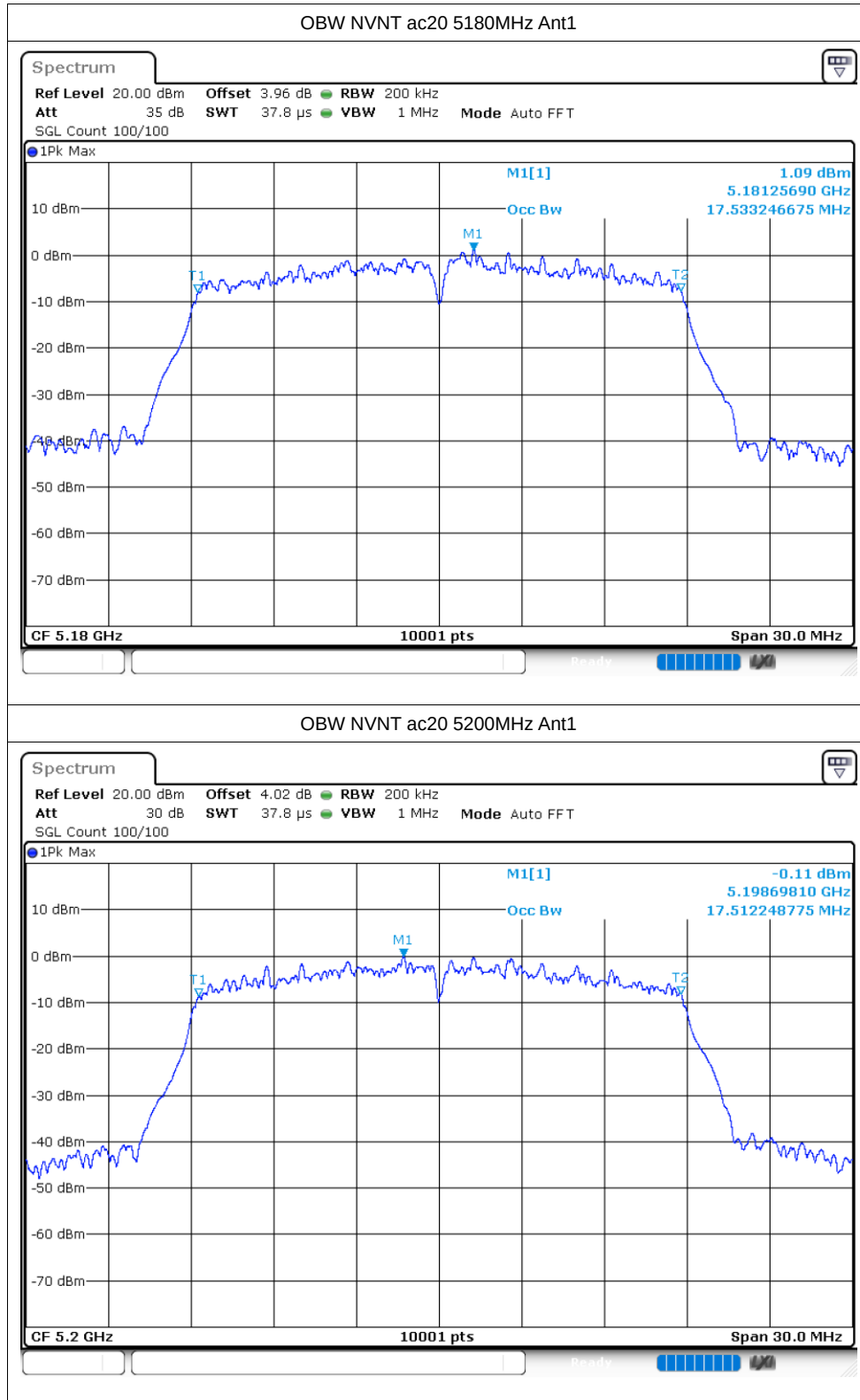
OBW NVNT a 5200MHz Ant1

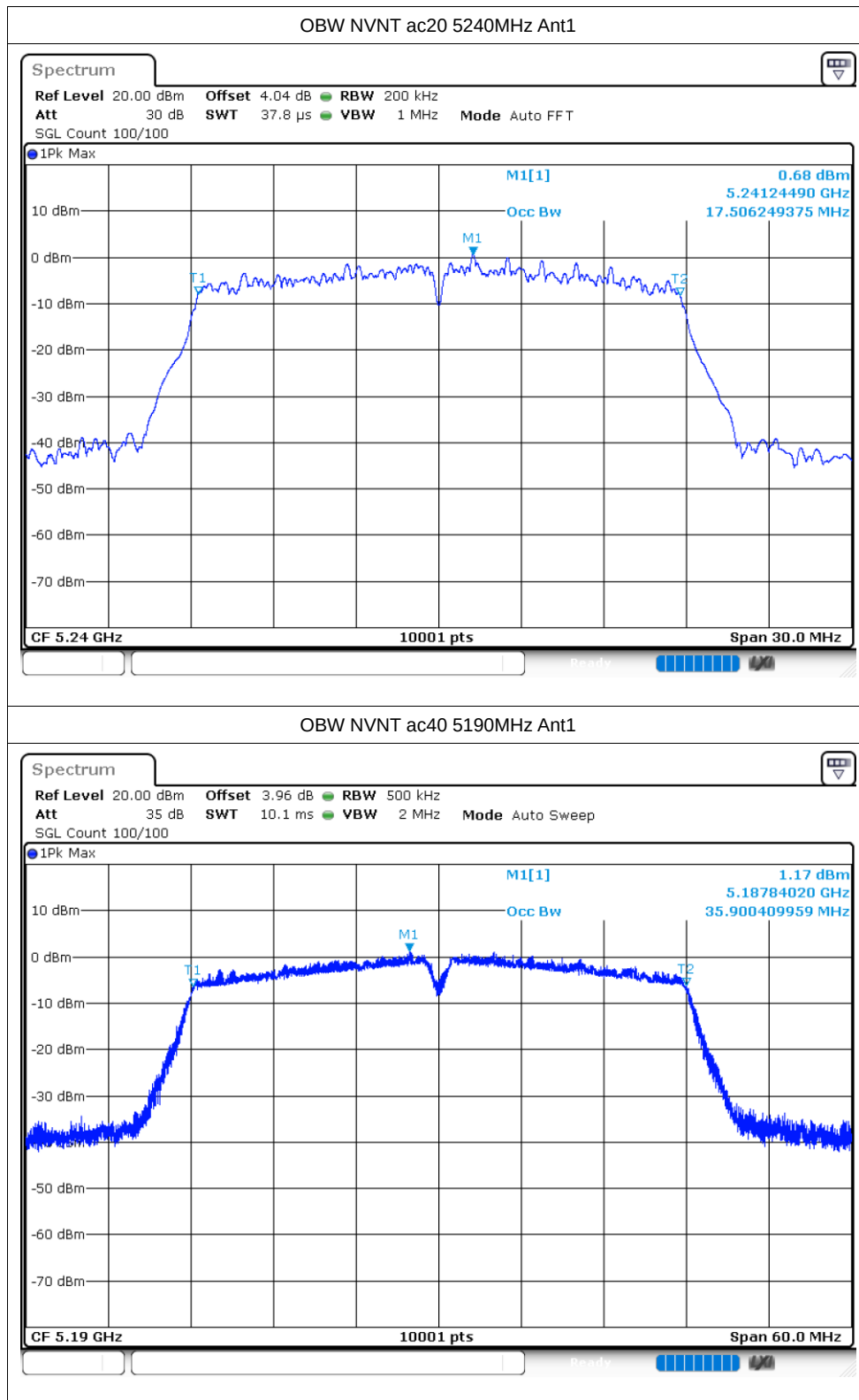


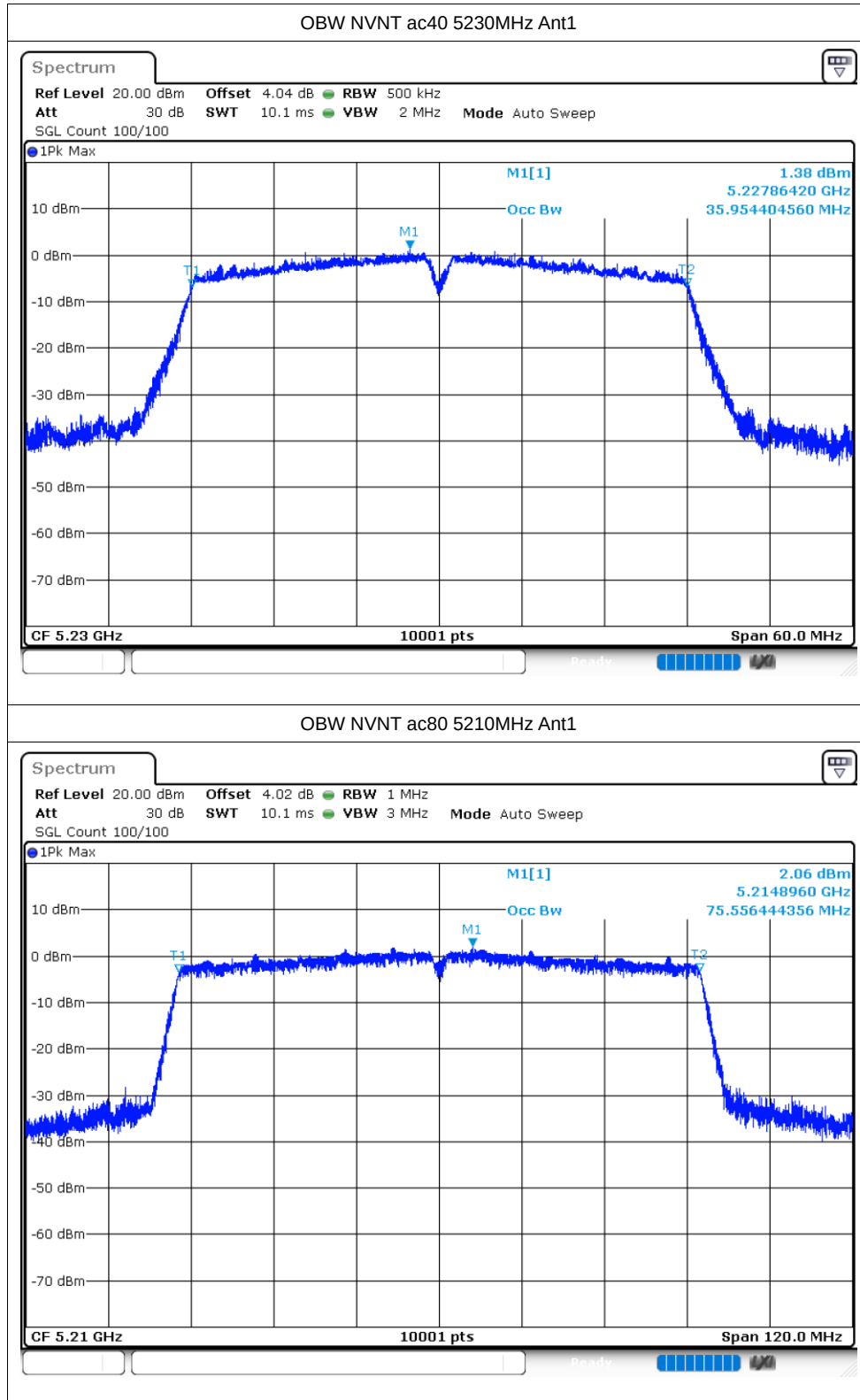












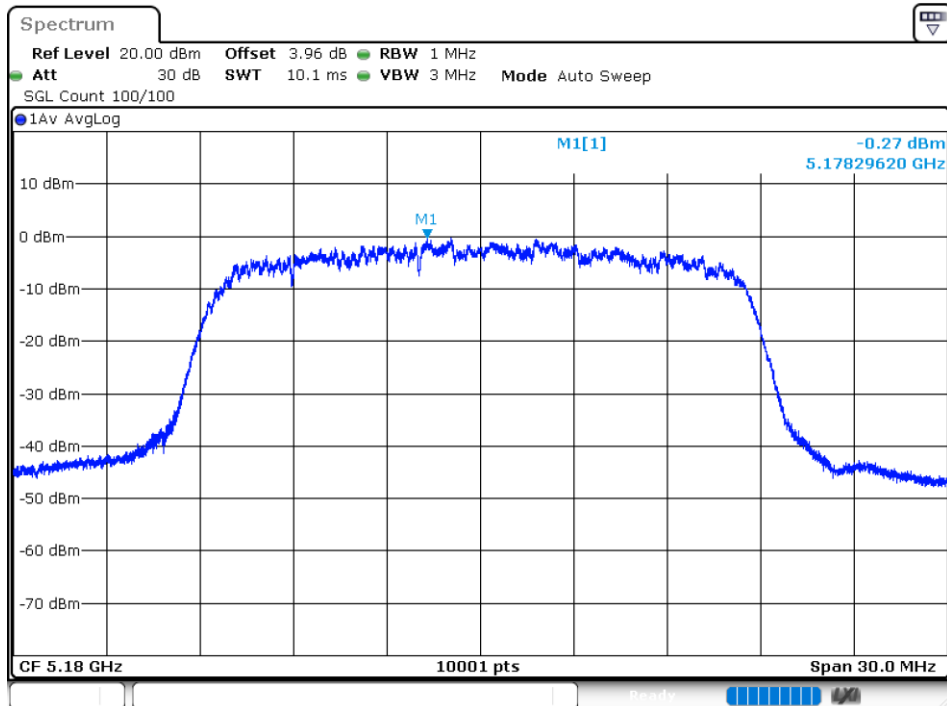
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.19	11	Pass
NVNT	a	5200	Ant1	-0.24	11	Pass
NVNT	a	5240	Ant1	-0.97	11	Pass
NVNT	n20	5180	Ant1	-1.34	11	Pass
NVNT	n20	5200	Ant1	-1.89	11	Pass
NVNT	n20	5240	Ant1	-1.82	11	Pass
NVNT	n40	5190	Ant1	-3.94	11	Pass
NVNT	n40	5230	Ant1	-5.04	11	Pass
NVNT	ac20	5180	Ant1	-1.29	11	Pass
NVNT	ac20	5200	Ant1	-1.63	11	Pass
NVNT	ac20	5240	Ant1	-1.9	11	Pass
NVNT	ac40	5190	Ant1	-5.4	11	Pass
NVNT	ac40	5230	Ant1	-4.65	11	Pass
NVNT	ac80	5210	Ant1	-10.14	11	Pass

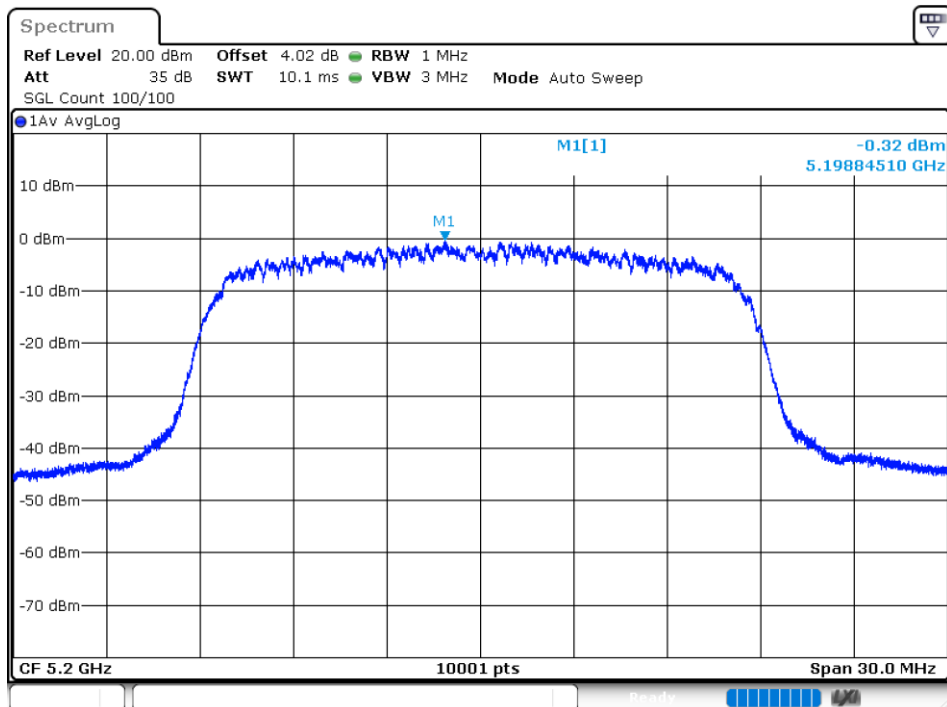
Note: The average power value already includes the duty cycle factor

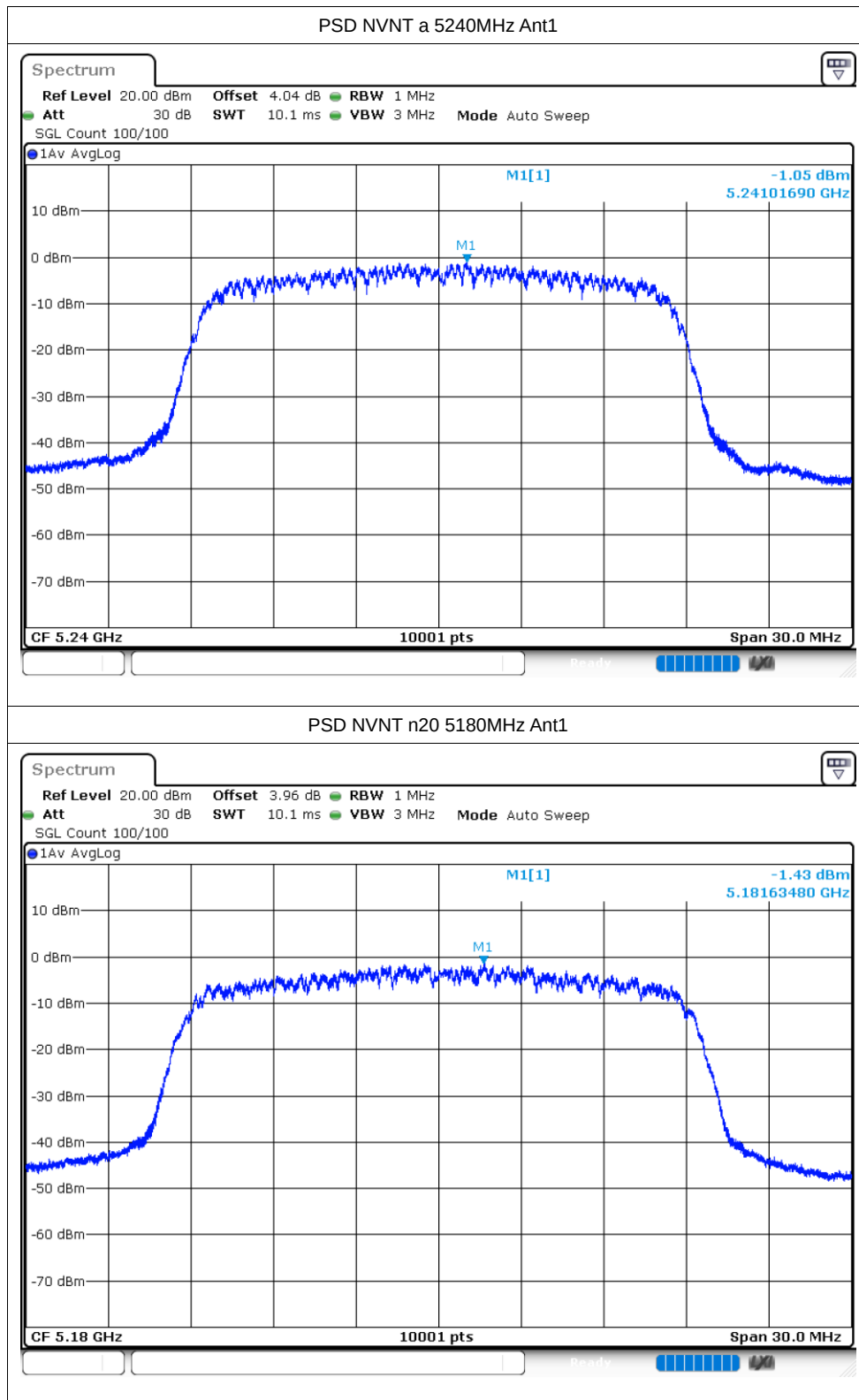
Test Graphs

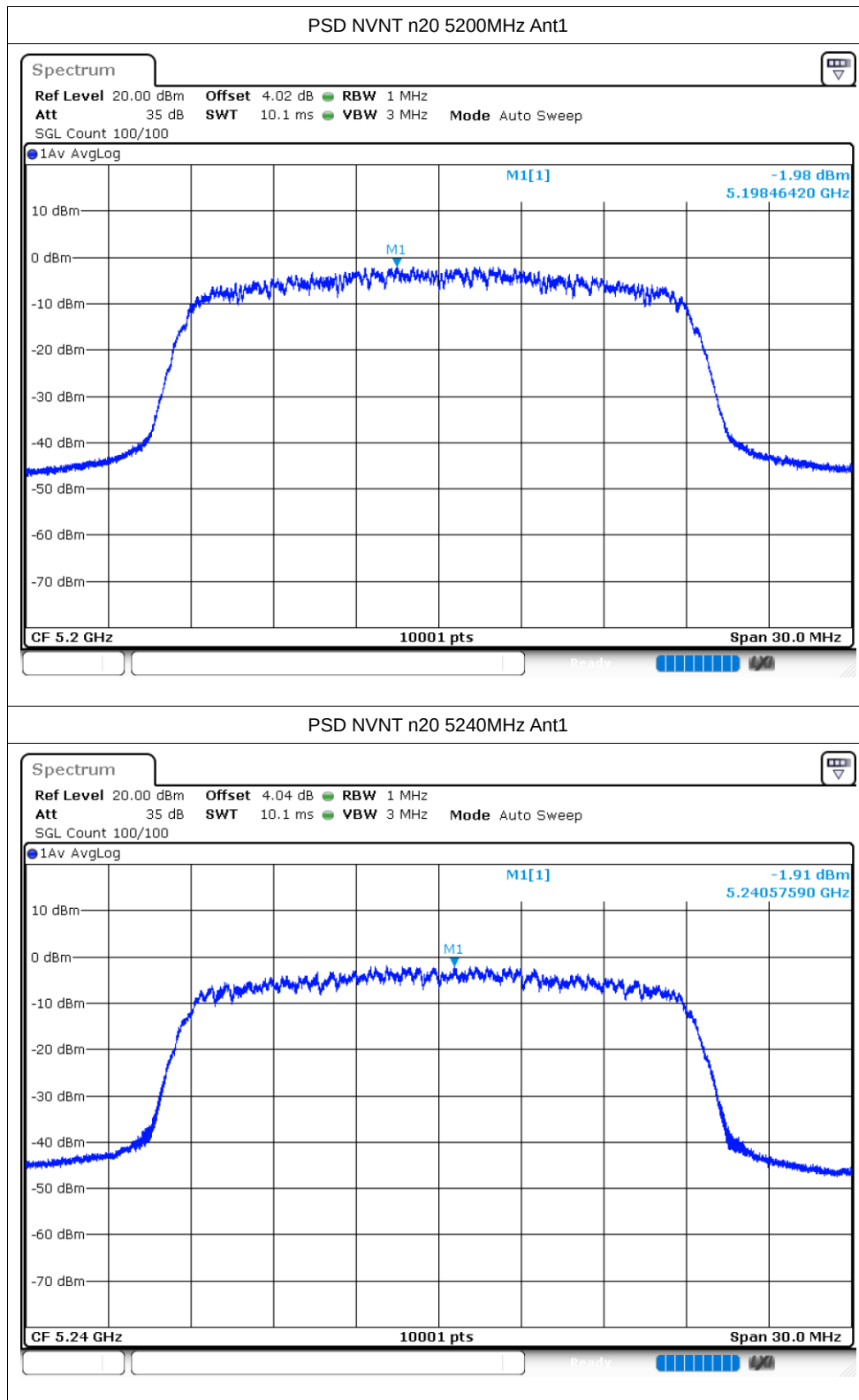
PSD NVNT a 5180MHz Ant1

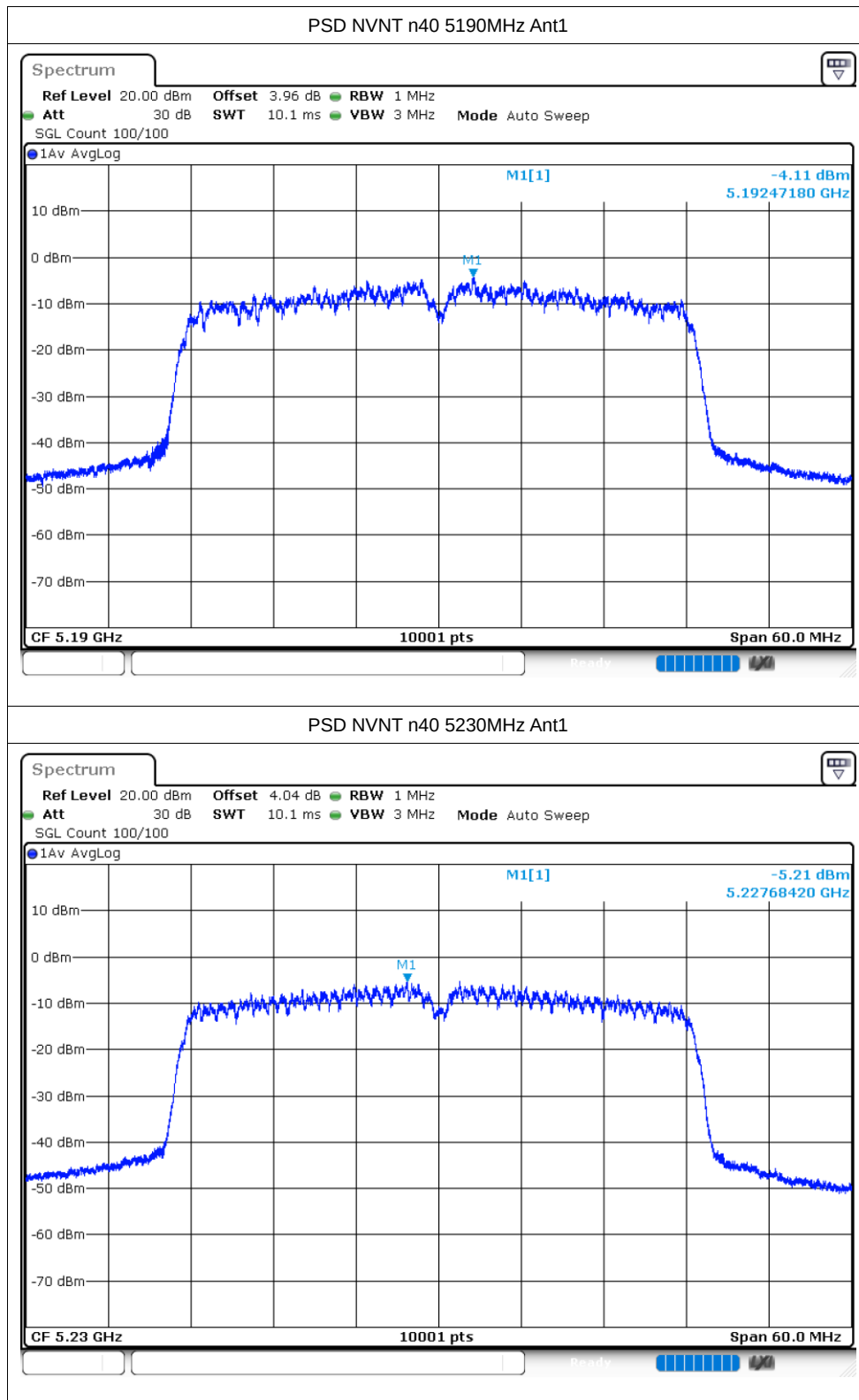


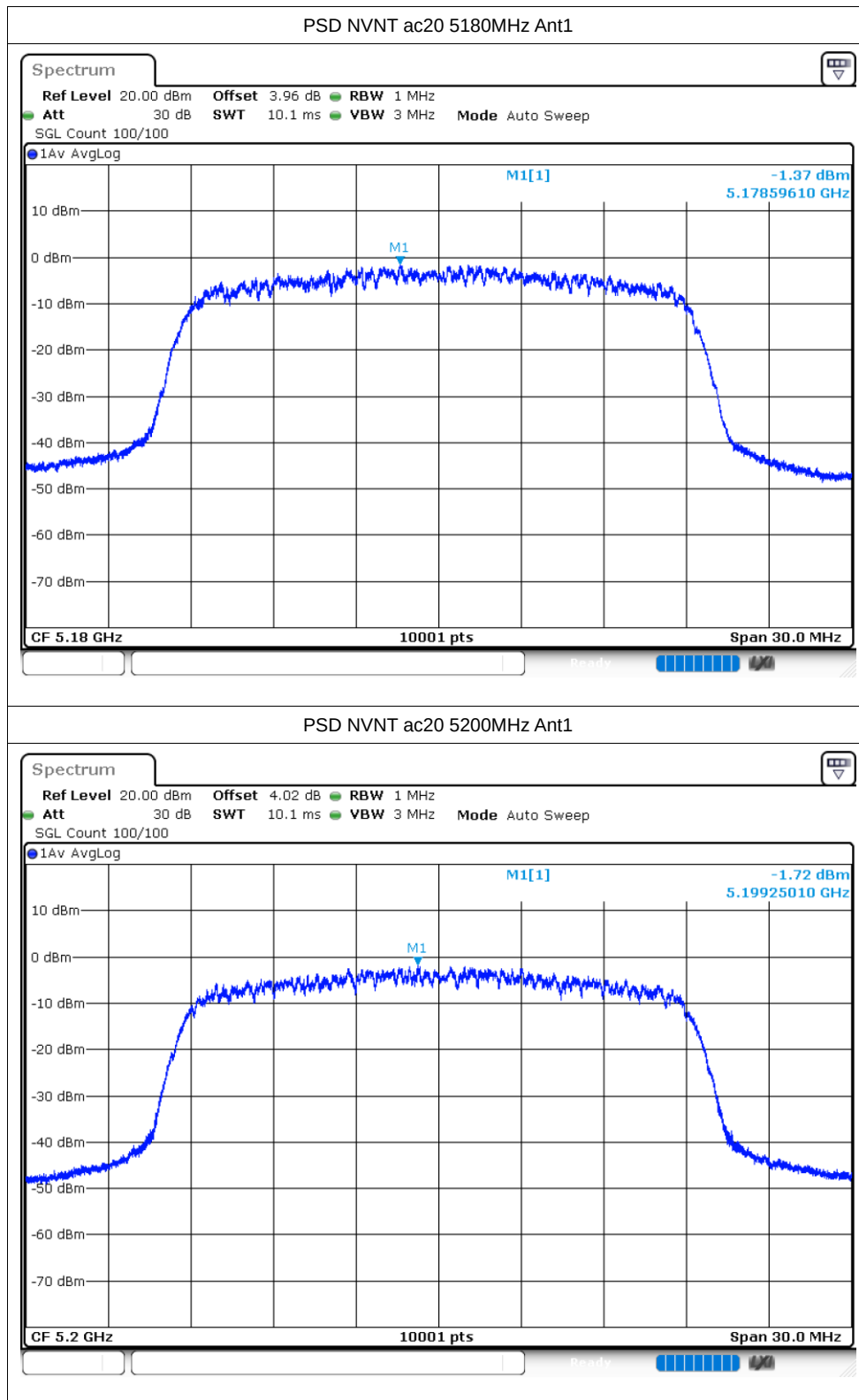
PSD NVNT a 5200MHz Ant1

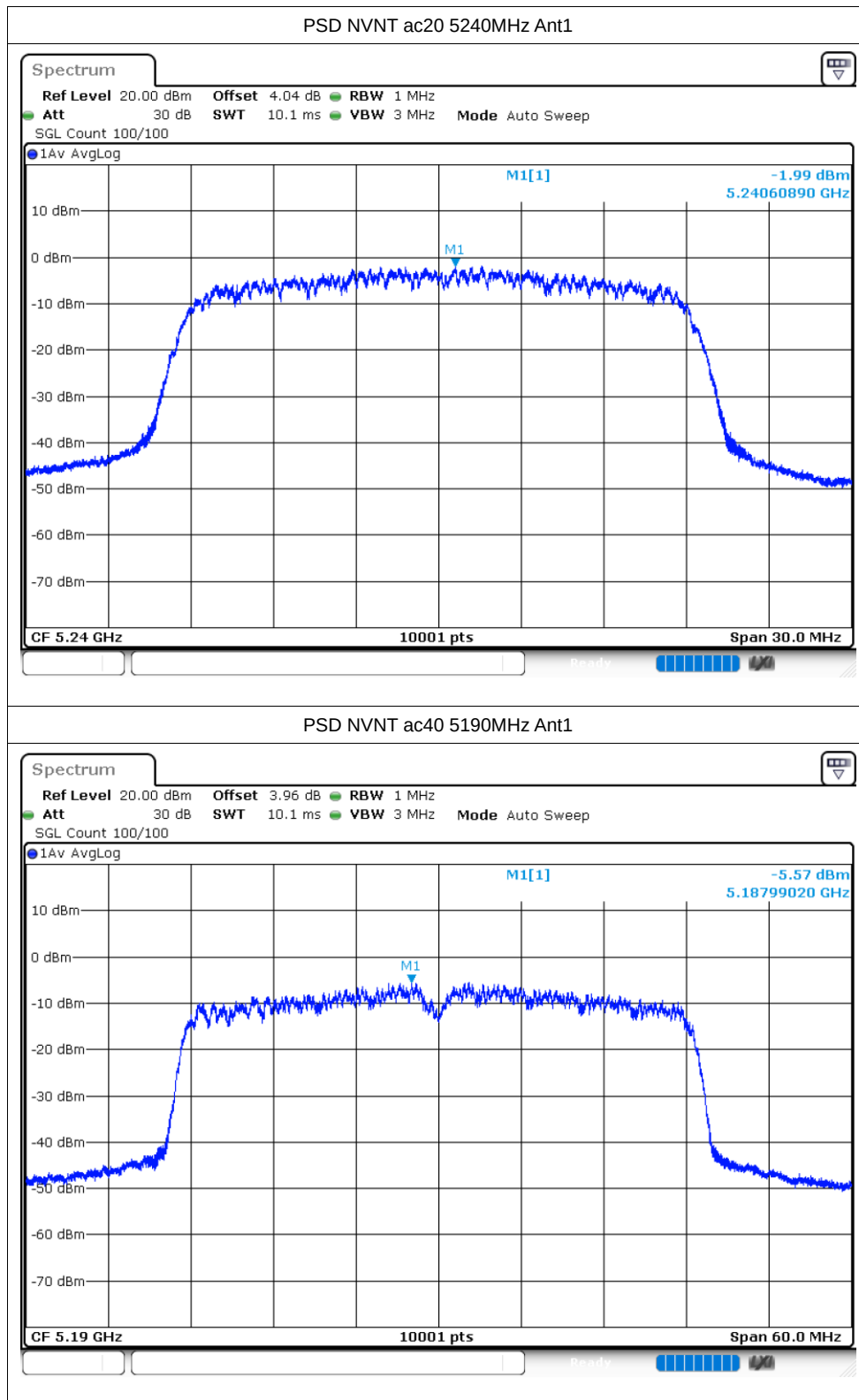


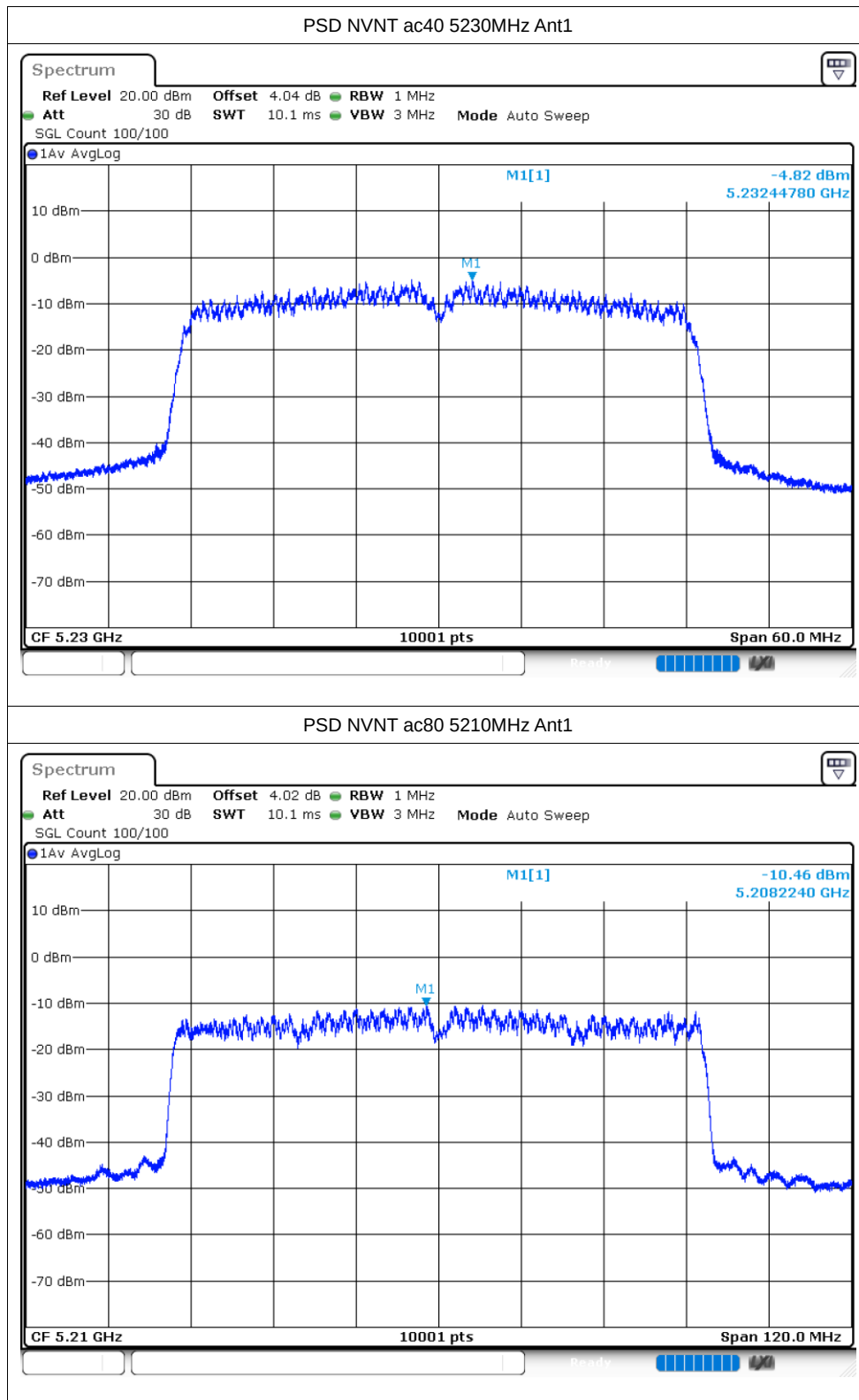












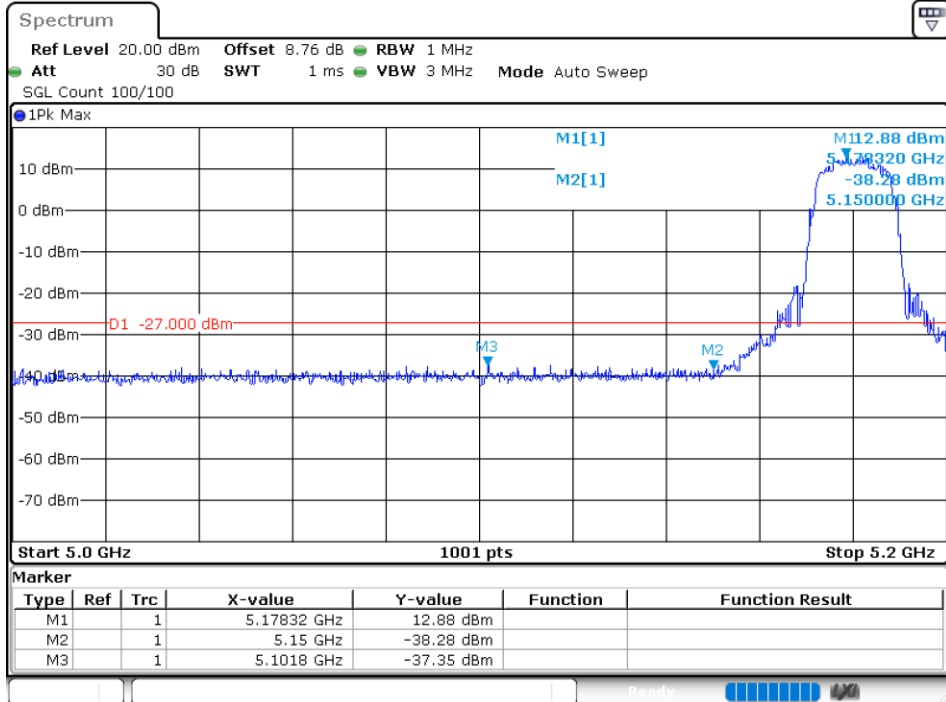
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-37.35	-27	Pass
NVNT	a	5240	Ant1	-38.1	-27	Pass
NVNT	n20	5180	Ant1	-33.48	-27	Pass
NVNT	n20	5240	Ant1	-37.71	-27	Pass
NVNT	n40	5190	Ant1	-32.24	-27	Pass
NVNT	n40	5230	Ant1	-38.22	-27	Pass
NVNT	ac20	5180	Ant1	-37.29	-27	Pass
NVNT	ac20	5240	Ant1	-38.17	-27	Pass
NVNT	ac40	5190	Ant1	-36.05	-27	Pass
NVNT	ac40	5230	Ant1	-38.29	-27	Pass
NVNT	ac80	5210	Ant1	-31.74	-27	Pass
NVNT	ac80	5210	Ant1	-38.75	-27	Pass

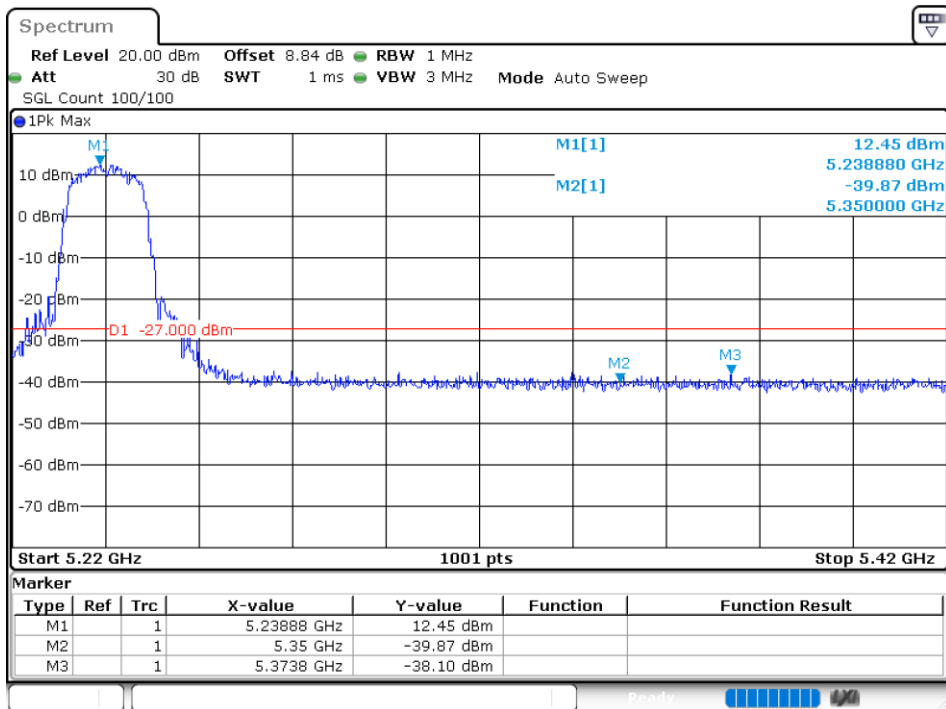
Note: This test has increased antenna gain.

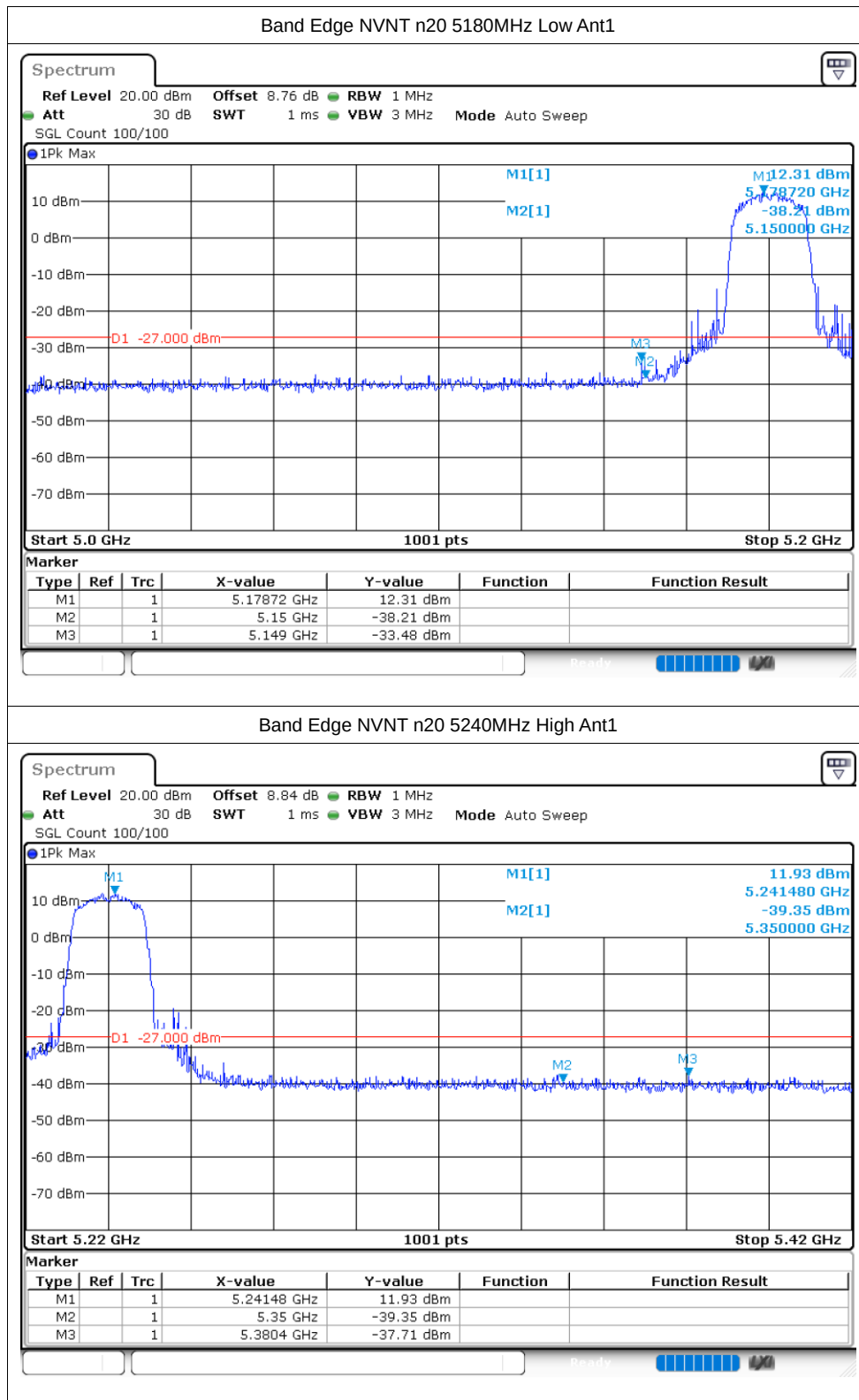
Test Graphs

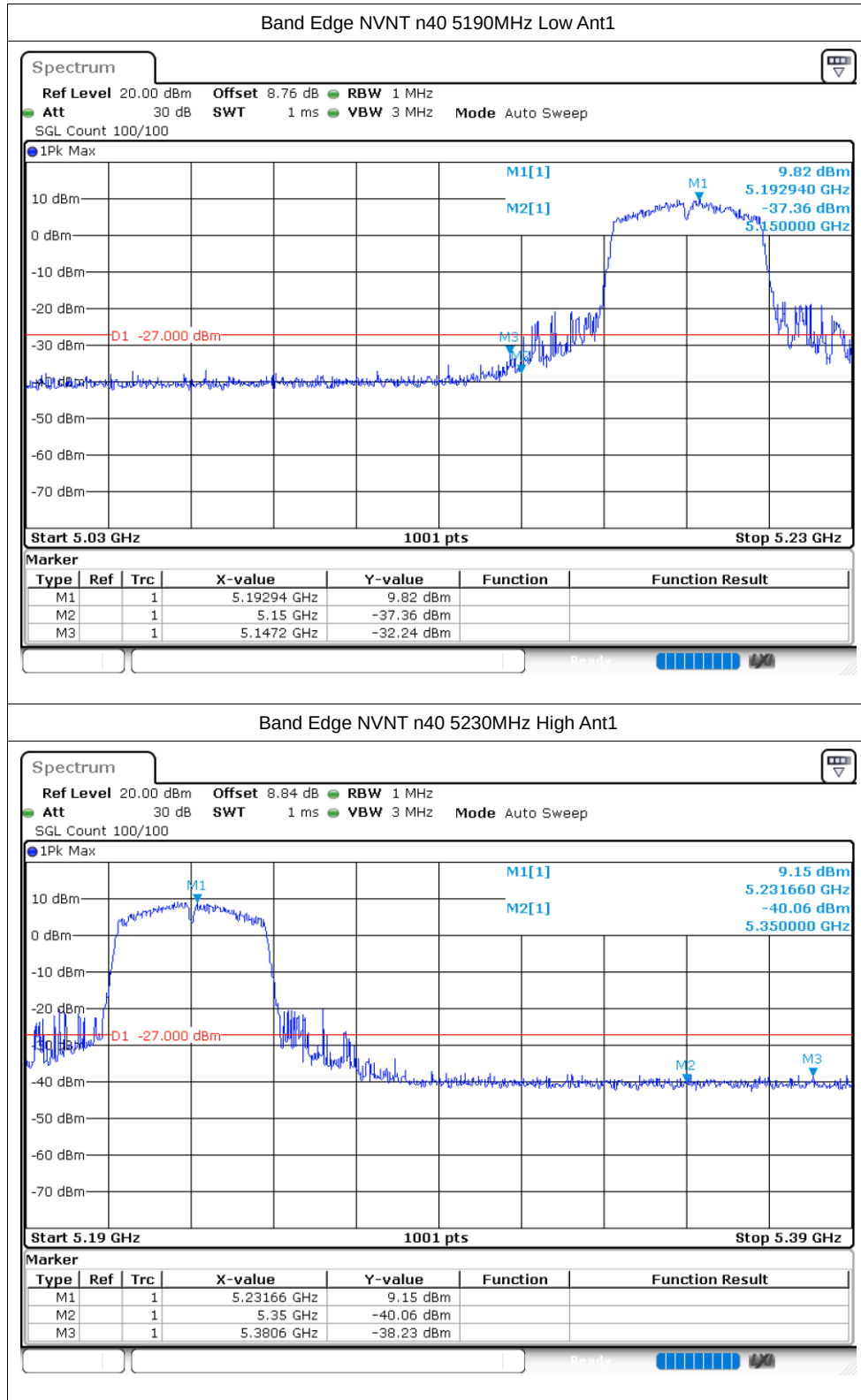
Band Edge NVNT a 5180MHz Low Ant1

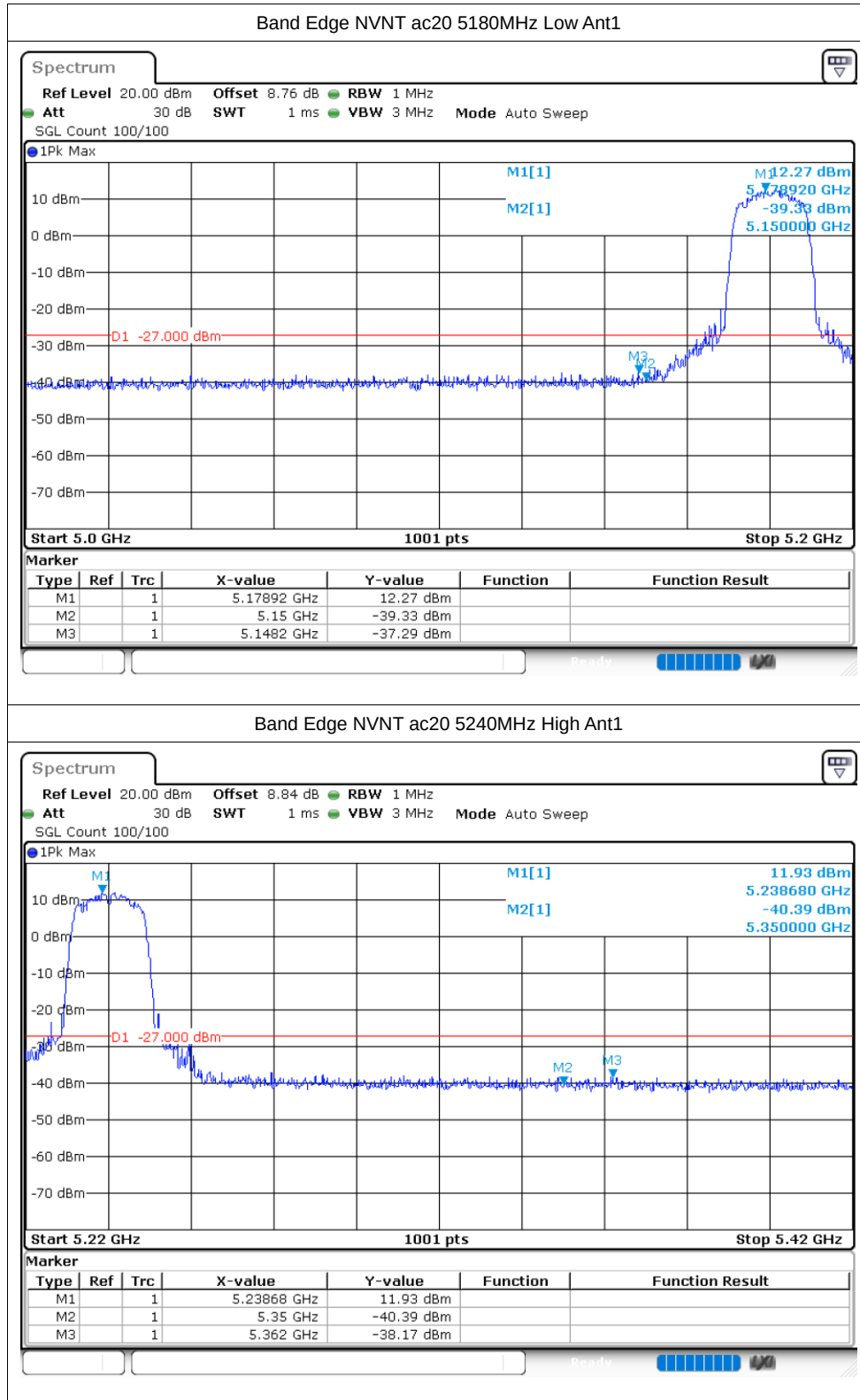


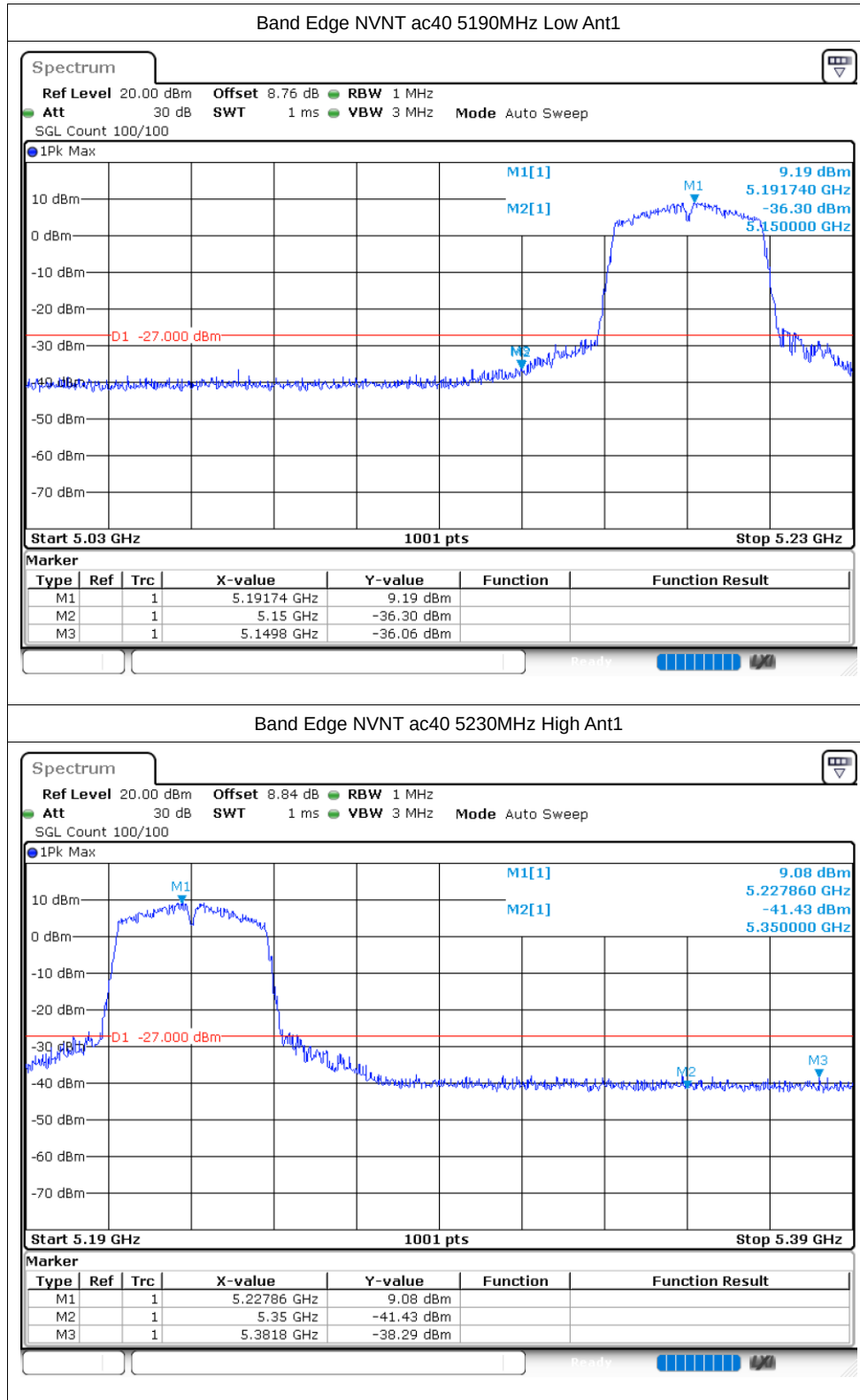
Band Edge NVNT a 5240MHz High Ant1

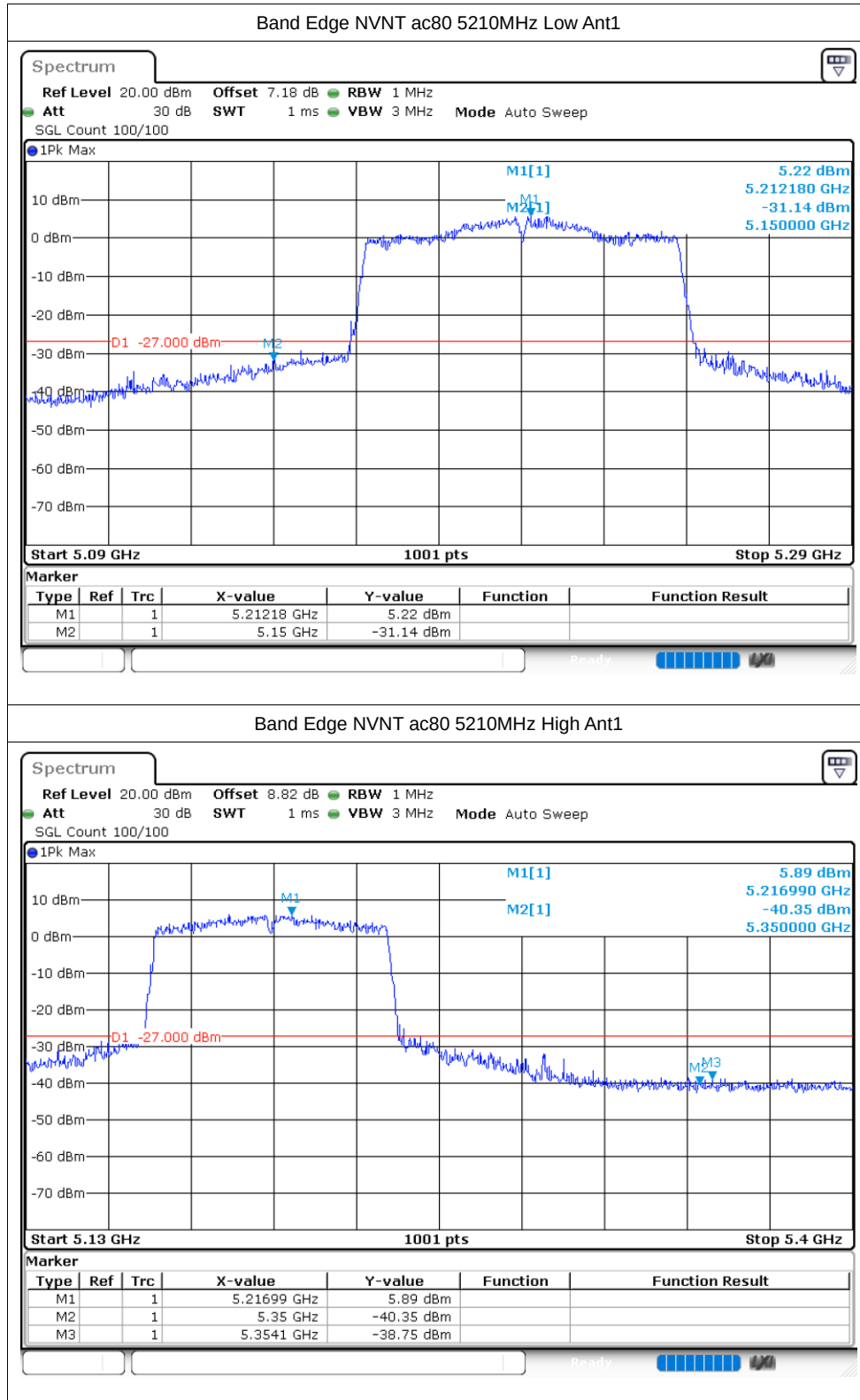












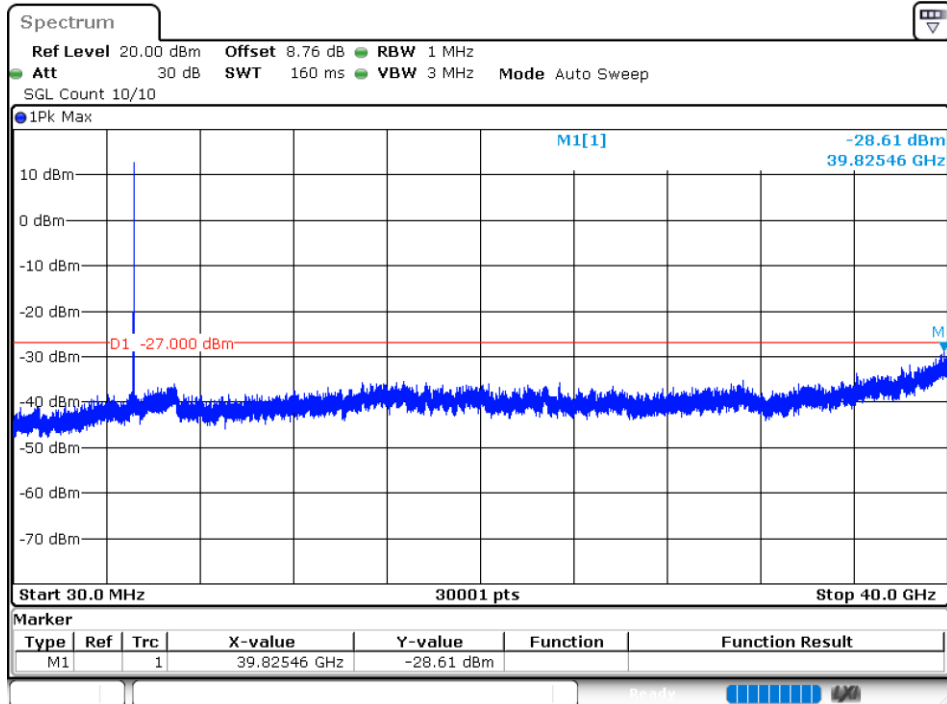
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-28.61	-27	Pass
NVNT	a	5200	Ant1	-30.34	-27	Pass
NVNT	a	5240	Ant1	-29.76	-27	Pass
NVNT	n20	5180	Ant1	-29.07	-27	Pass
NVNT	n20	5200	Ant1	-29.20	-27	Pass
NVNT	n20	5240	Ant1	-29.16	-27	Pass
NVNT	n40	5190	Ant1	-29.66	-27	Pass
NVNT	n40	5230	Ant1	-29.81	-27	Pass
NVNT	ac20	5180	Ant1	-30.18	-27	Pass
NVNT	ac20	5200	Ant1	-29.55	-27	Pass
NVNT	ac20	5240	Ant1	-29.98	-27	Pass
NVNT	ac40	5190	Ant1	-28.79	-27	Pass
NVNT	ac40	5230	Ant1	-29.35	-27	Pass
NVNT	ac80	5210	Ant1	-30.05	-27	Pass

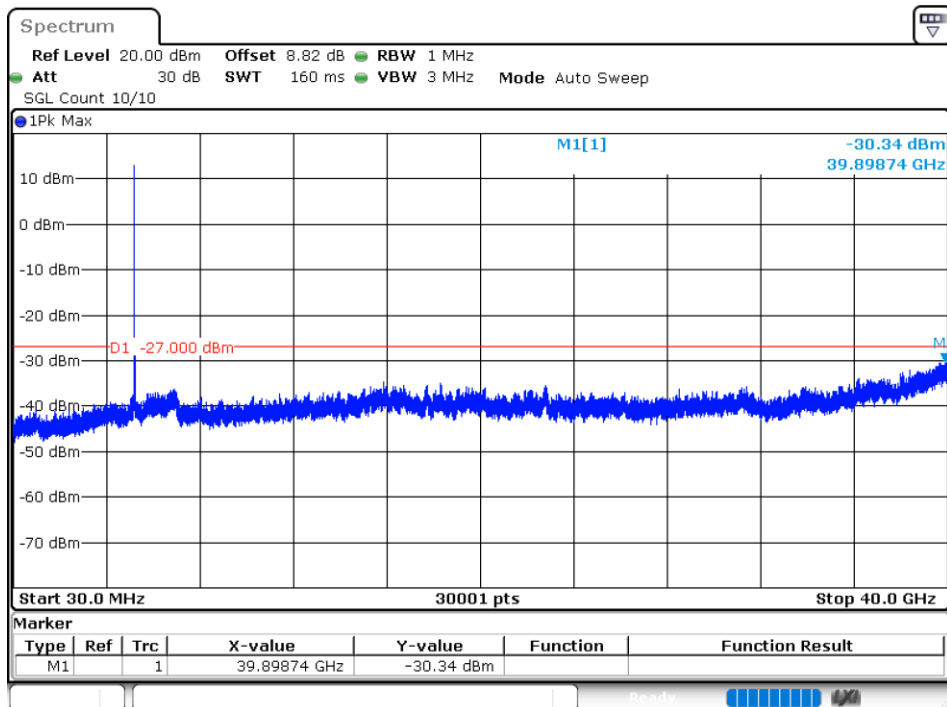
Note: This test has Increased antenna gain.

Test Graphs

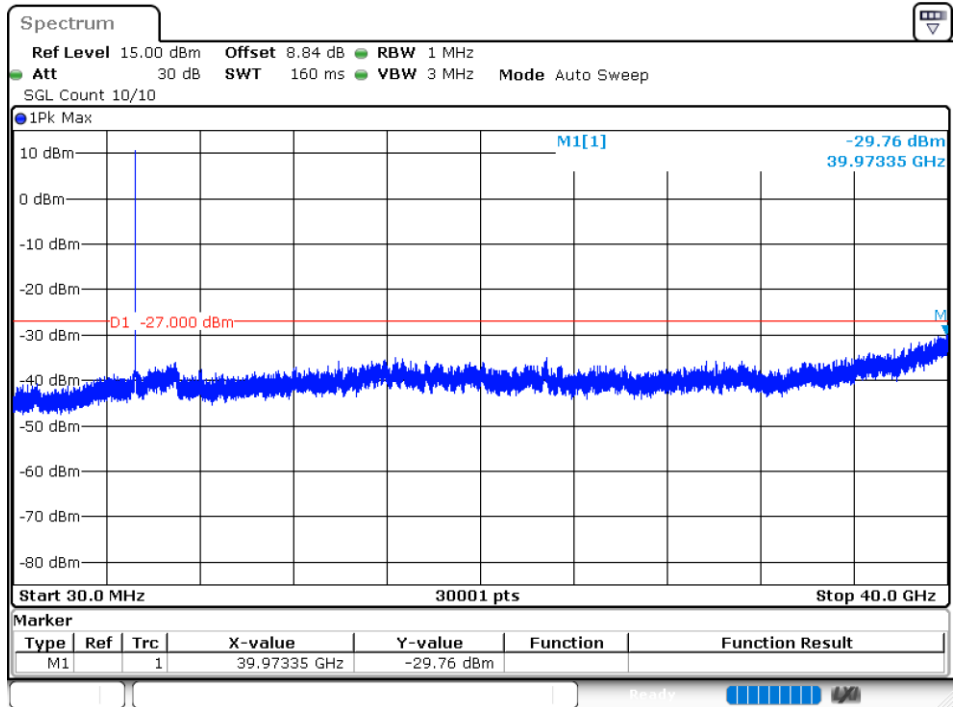
Tx. Spurious NVNT a 5180MHz Ant1 Emission



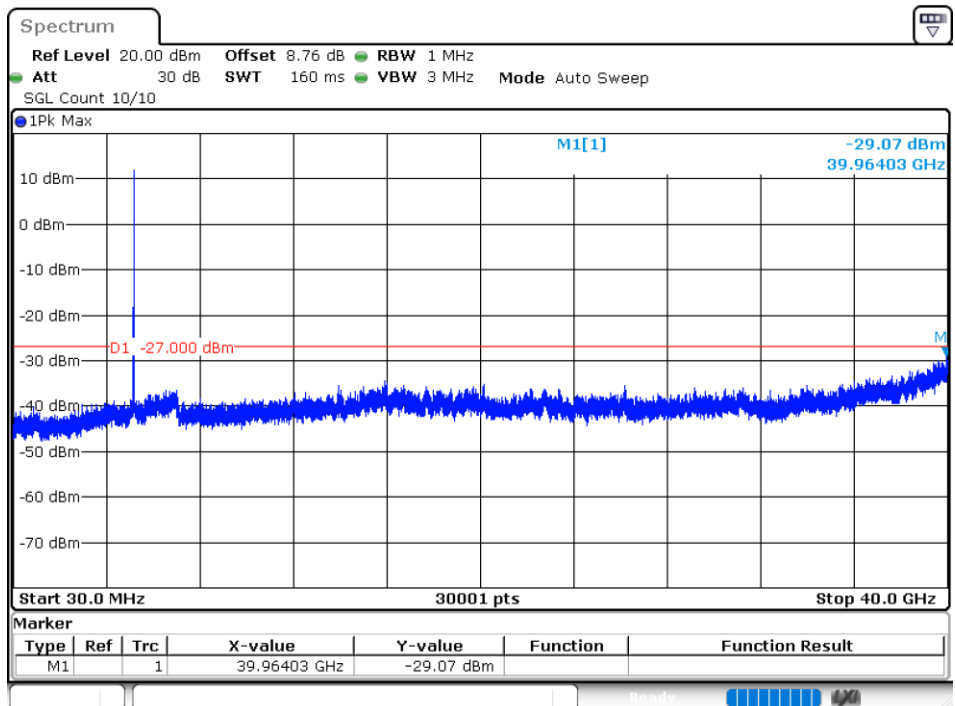
Tx. Spurious NVNT a 5200MHz Ant1 Emission

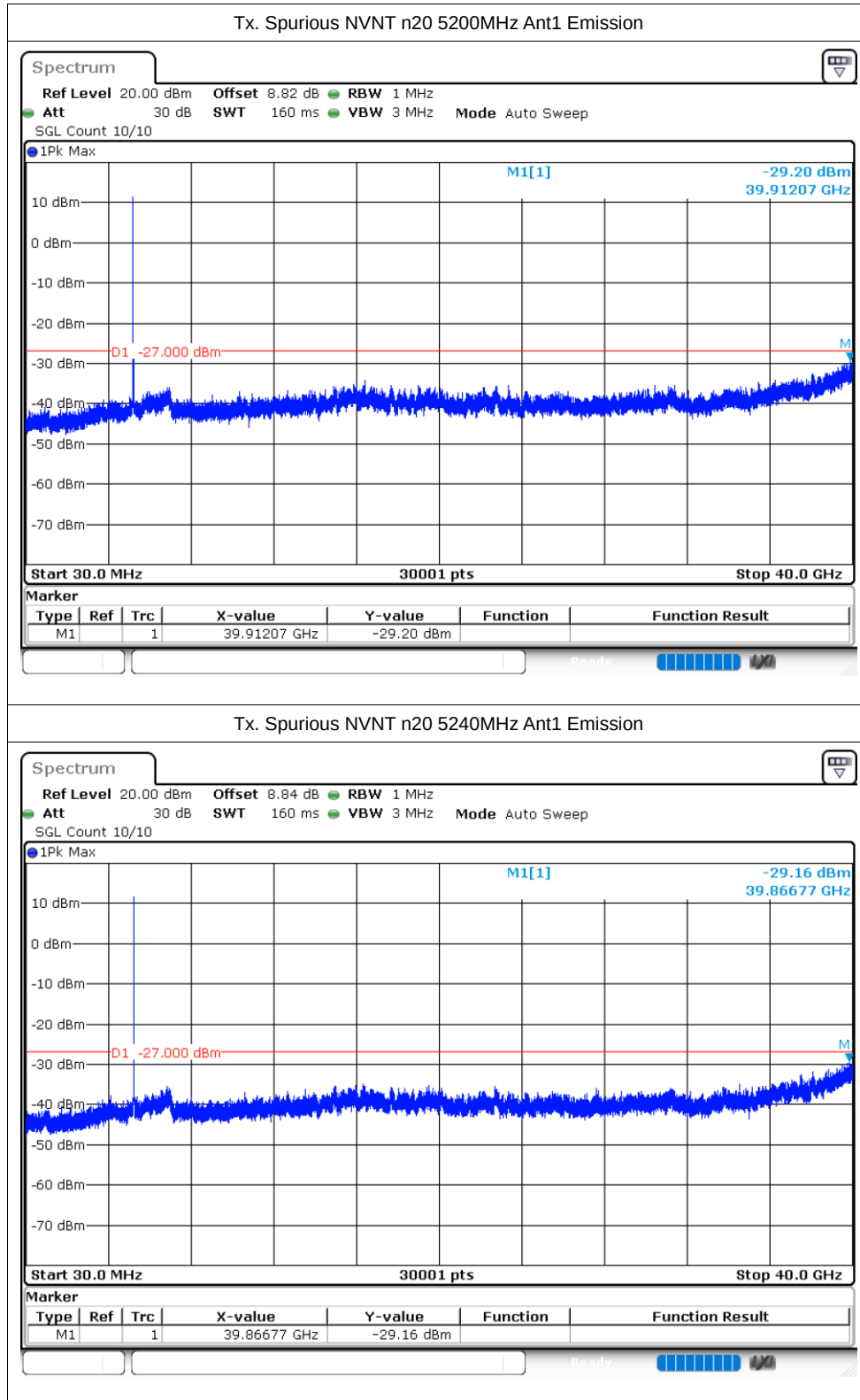


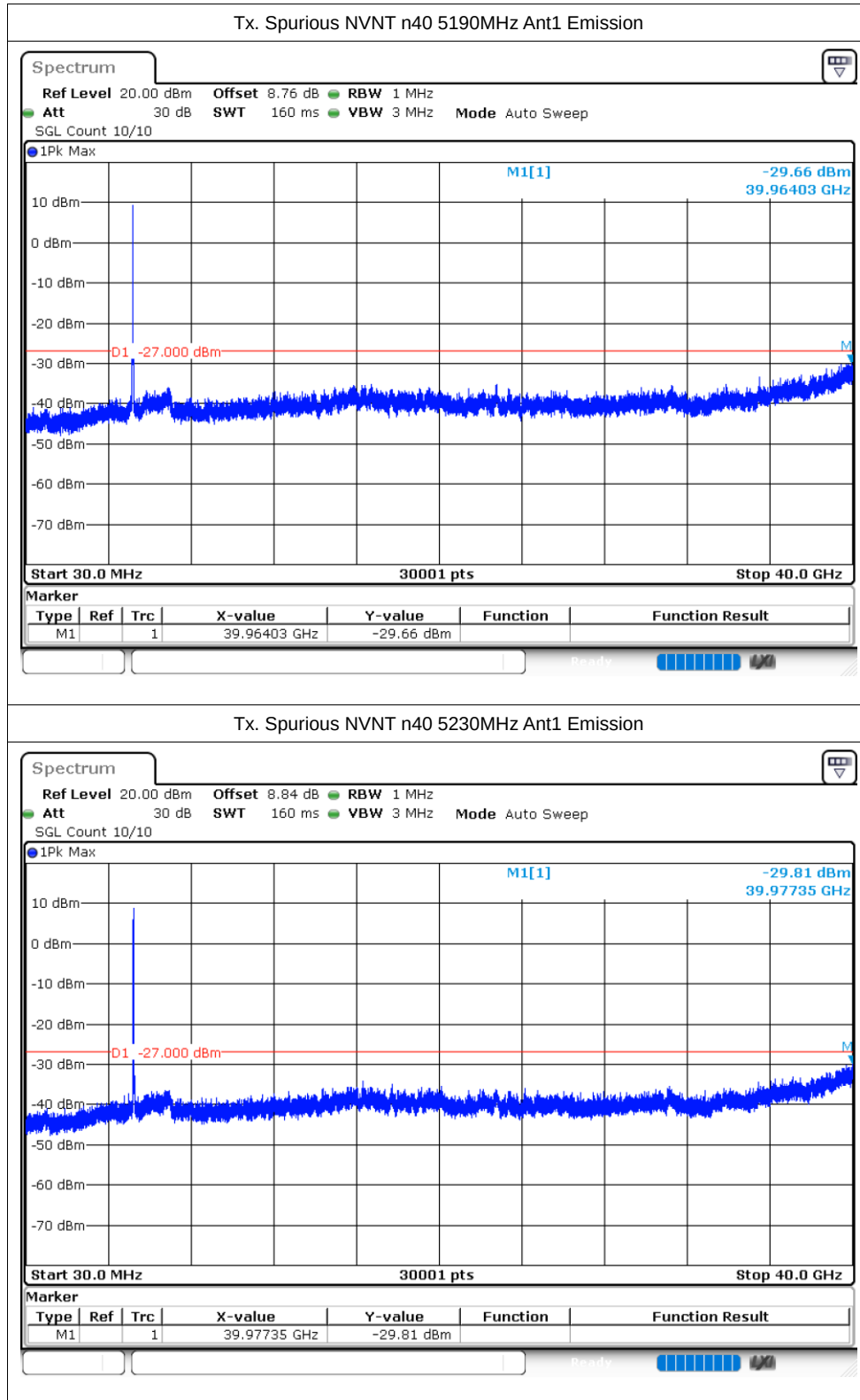
Tx. Spurious NVNT a 5240MHz Ant1 Emission

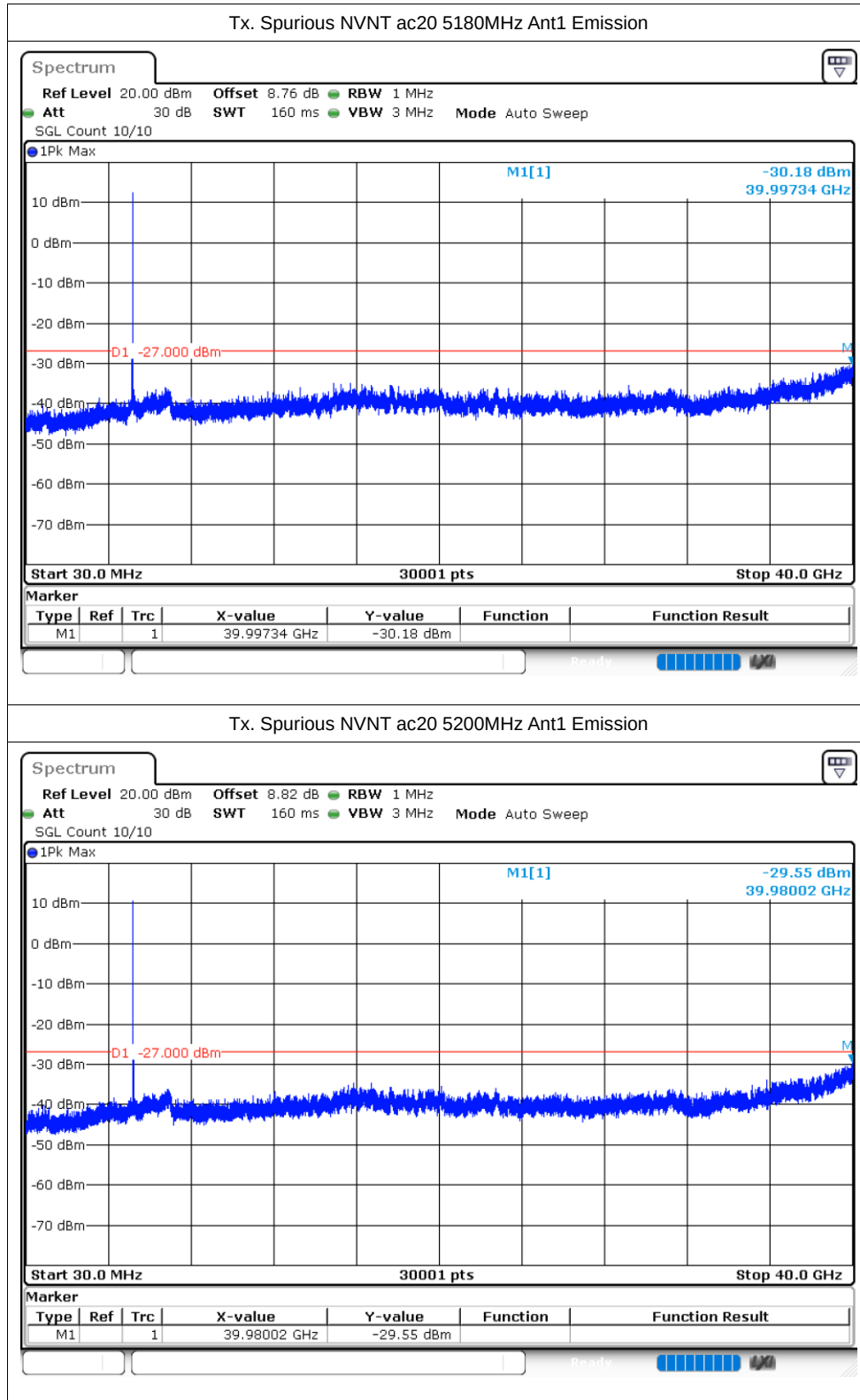


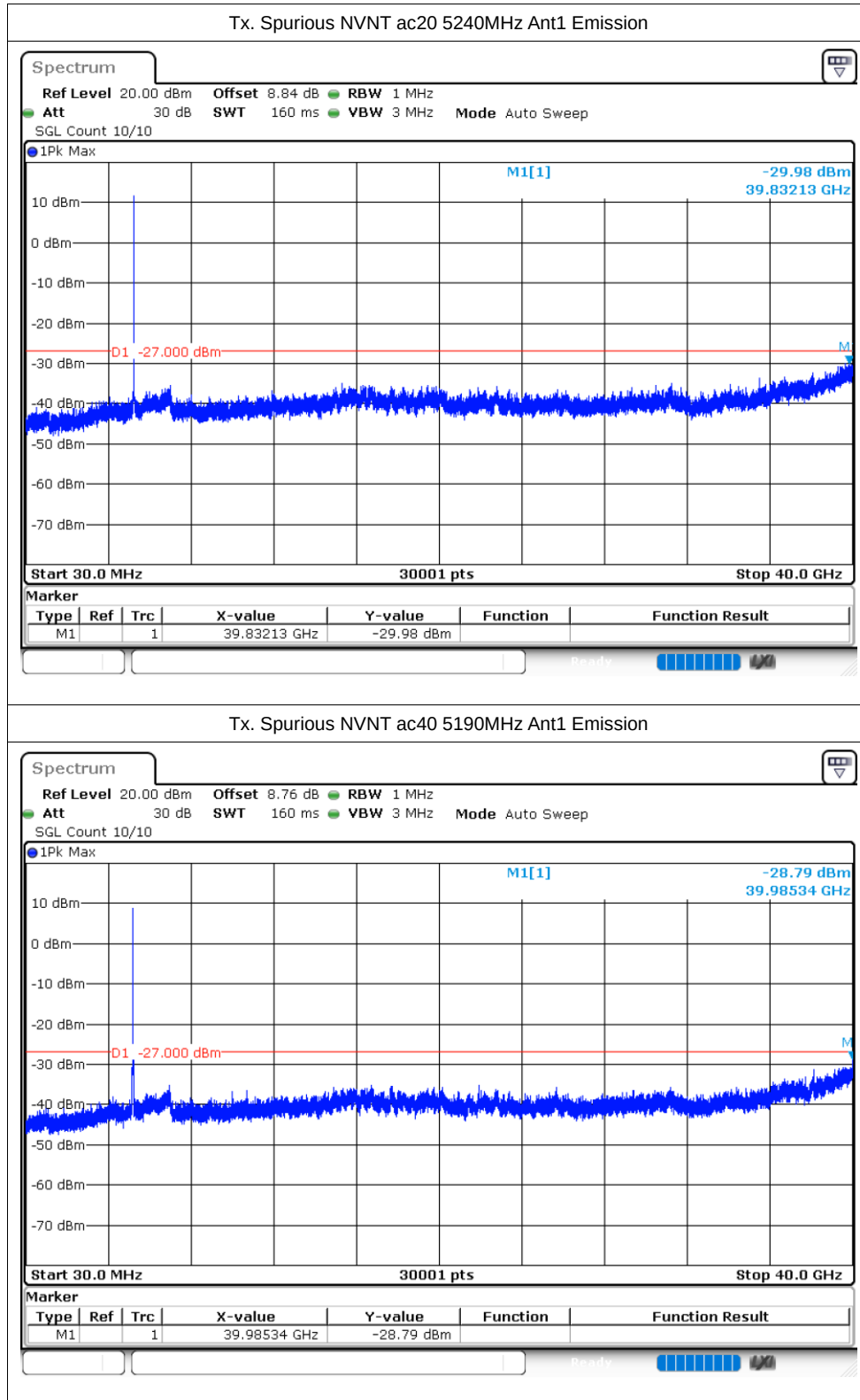
Tx. Spurious NVNT n20 5180MHz Ant1 Emission

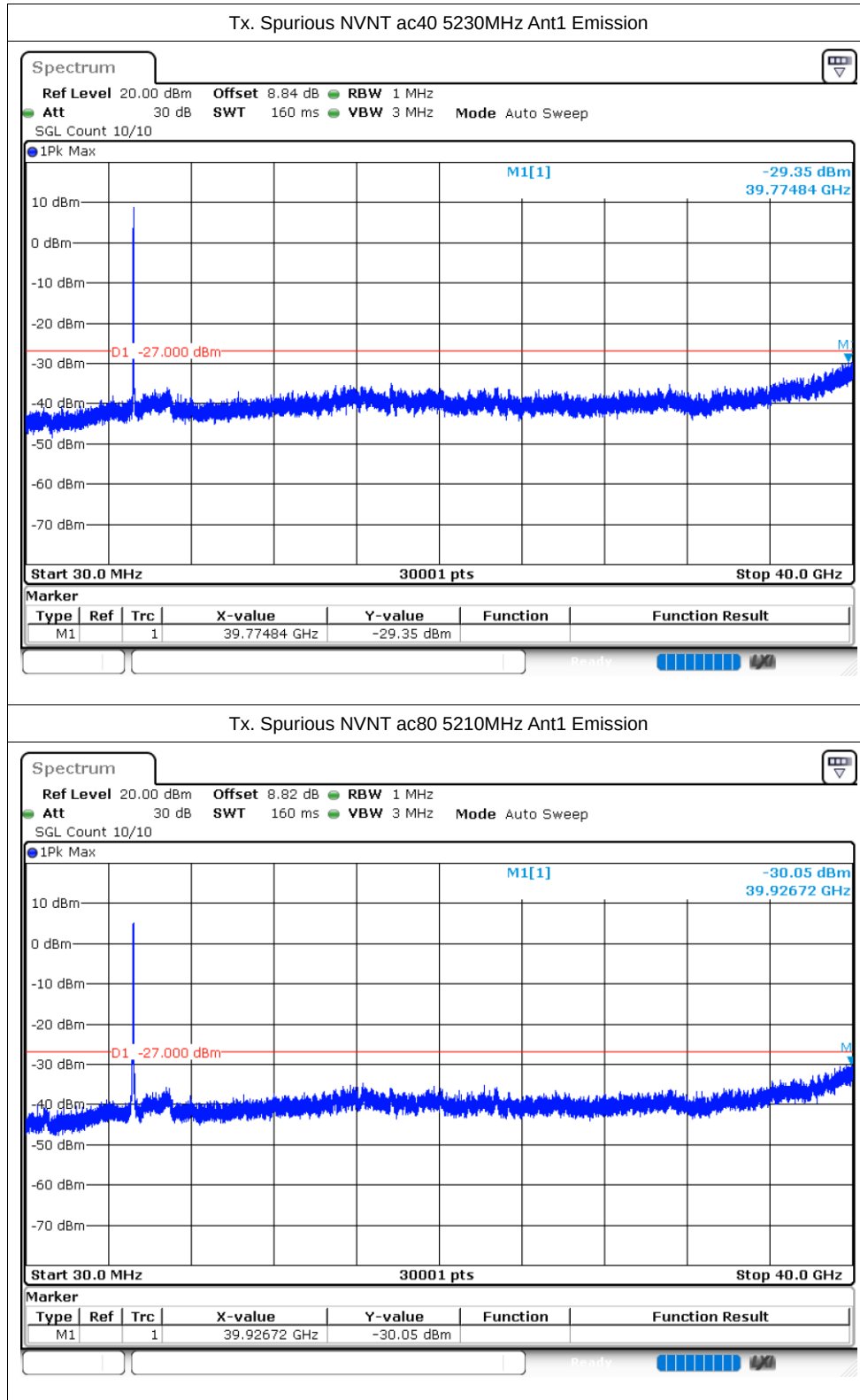












5.8G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	98.17	0.08	0.72
NVNT	a	5785	Ant1	98.14	0.08	0.71
NVNT	a	5825	Ant1	98.2	0.08	0.72
NVNT	n20	5745	Ant1	98.04	0.09	0.77
NVNT	n20	5785	Ant1	98.06	0.09	0.77
NVNT	n20	5825	Ant1	98.07	0.08	0.77
NVNT	n40	5755	Ant1	96.27	0.17	1.54
NVNT	n40	5795	Ant1	96.31	0.16	1.54
NVNT	ac20	5745	Ant1	98.08	0.08	0.76
NVNT	ac20	5785	Ant1	98.06	0.09	0.76
NVNT	ac20	5825	Ant1	98.09	0.08	0.76
NVNT	ac40	5755	Ant1	96.32	0.16	1.54
NVNT	ac40	5795	Ant1	96.34	0.16	1.52
NVNT	ac80	5775	Ant1	92.89	0.32	3.13

