

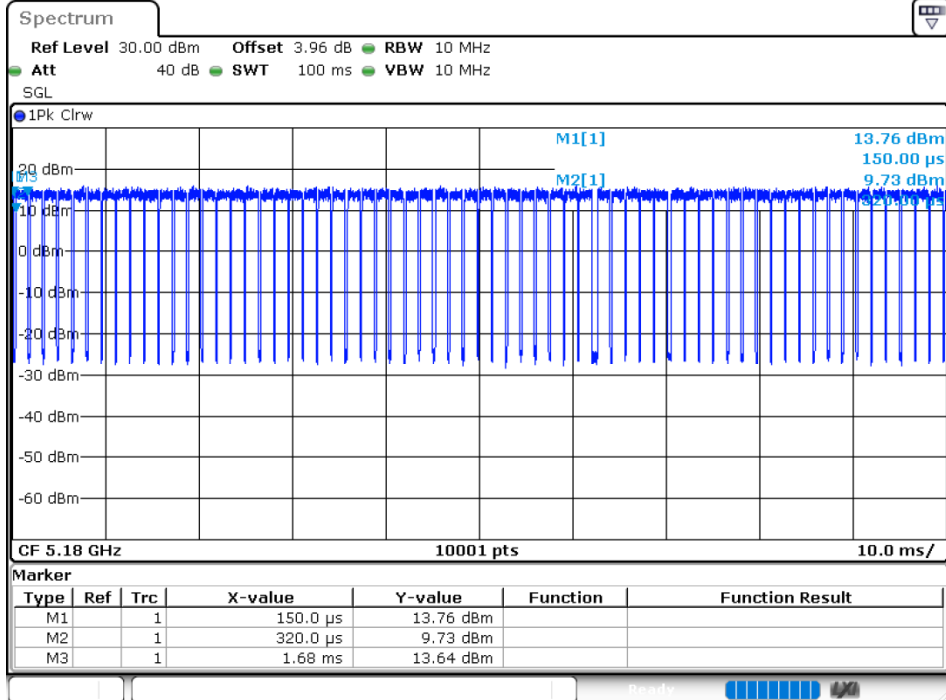
5.2G:

Duty Cycle

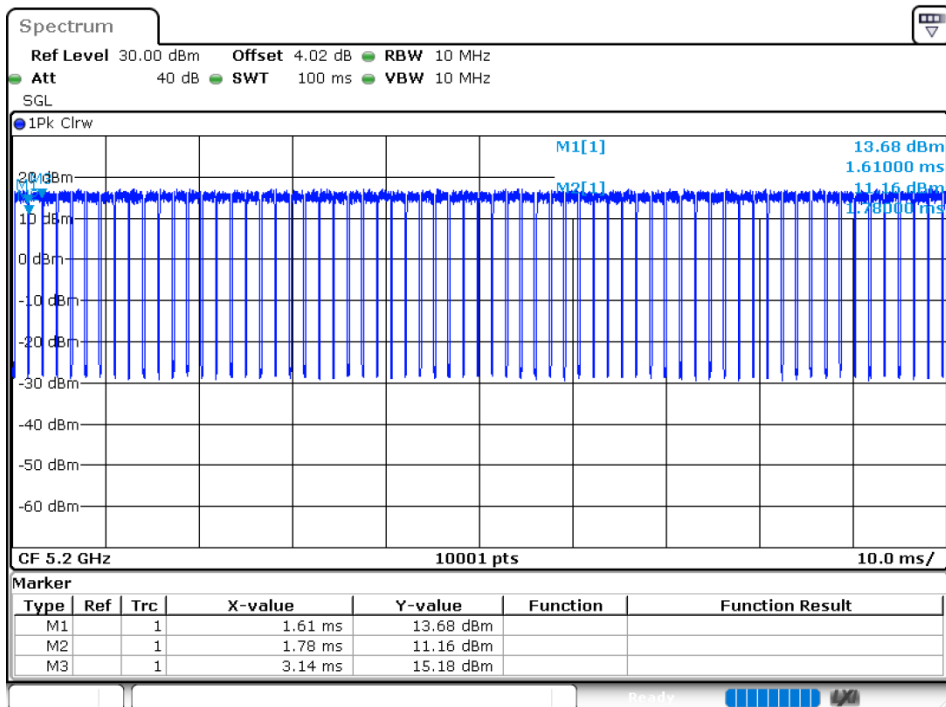
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	88.03	0.55	0.74
NVNT	a	5200	Ant1	88.01	0.55	0.74
NVNT	a	5240	Ant1	88.44	0.53	0.74
NVNT	n20	5180	Ant1	87.05	0.6	0.87
NVNT	n20	5200	Ant1	87.06	0.6	0.87
NVNT	n20	5240	Ant1	87.51	0.58	0.87
NVNT	n40	5190	Ant1	77.34	1.12	1.75
NVNT	n40	5230	Ant1	77.49	1.11	1.75
NVNT	ac20	5180	Ant1	86.91	0.61	0.87
NVNT	ac20	5200	Ant1	87.24	0.59	0.87
NVNT	ac20	5240	Ant1	87.37	0.59	0.86
NVNT	ac40	5190	Ant1	77.39	1.11	1.72
NVNT	ac40	5230	Ant1	77.34	1.12	1.72
NVNT	ac80	5210	Ant1	63.81	1.95	3.57

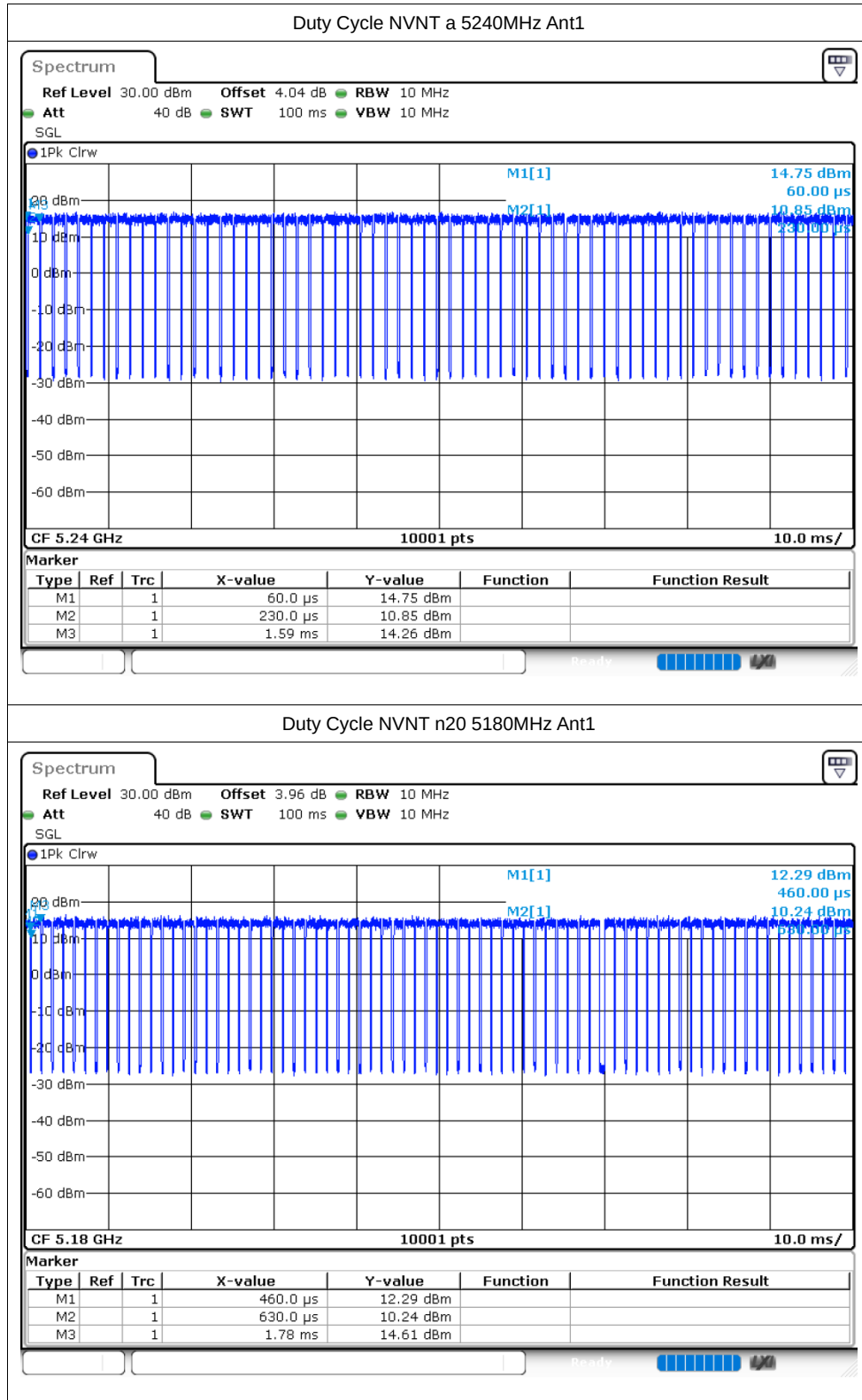
Test Graphs

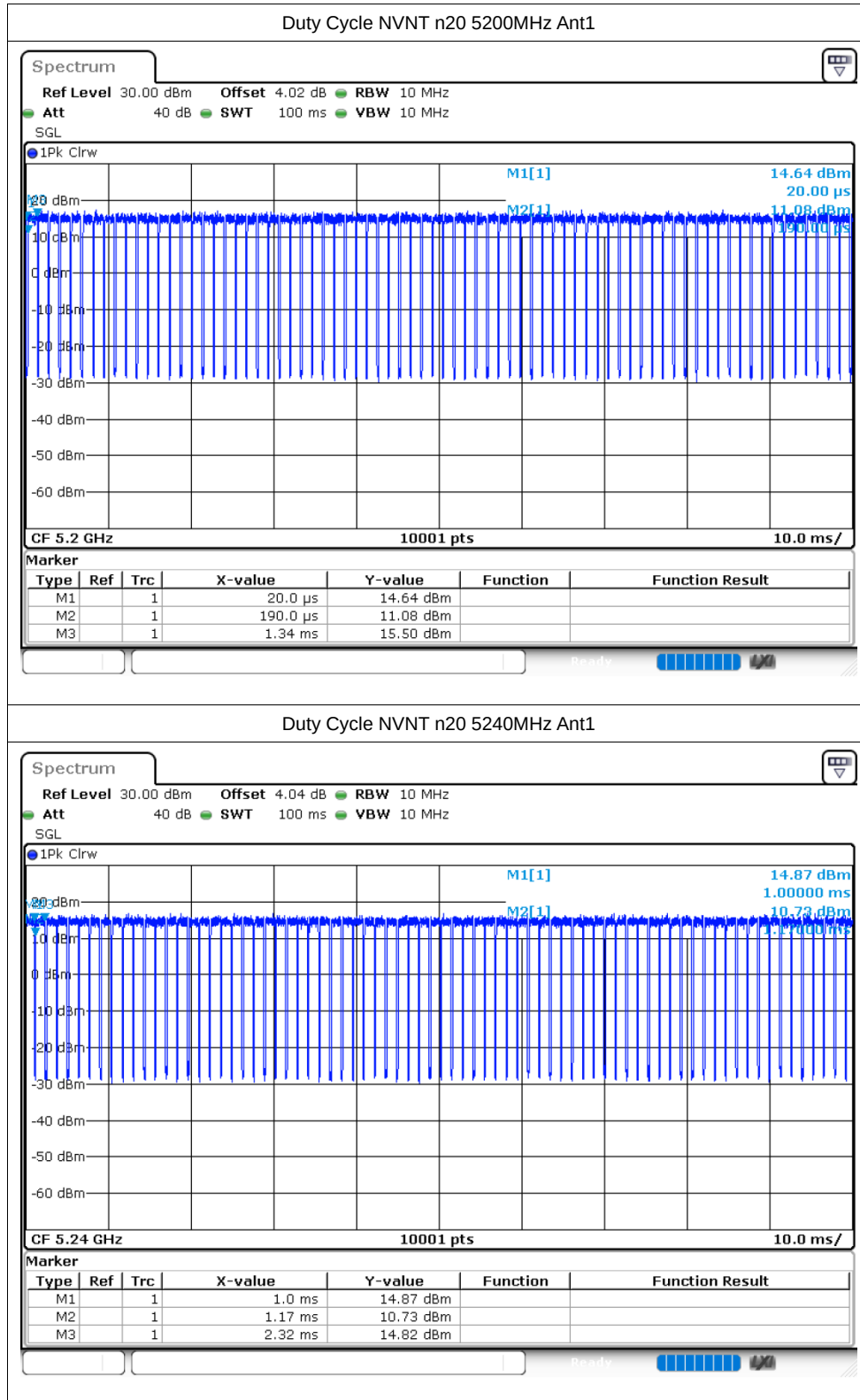
Duty Cycle NVNT a 5180MHz Ant1

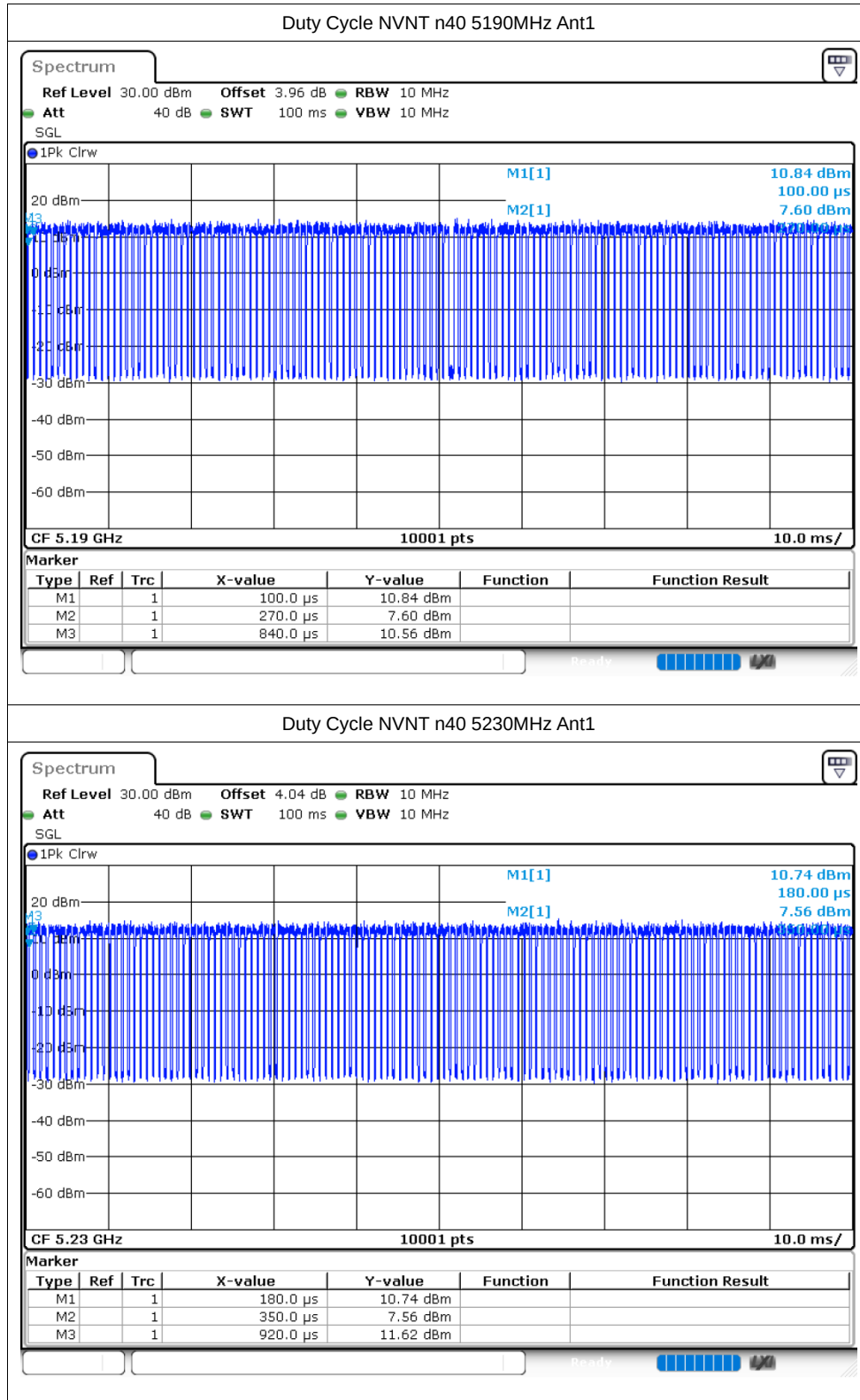


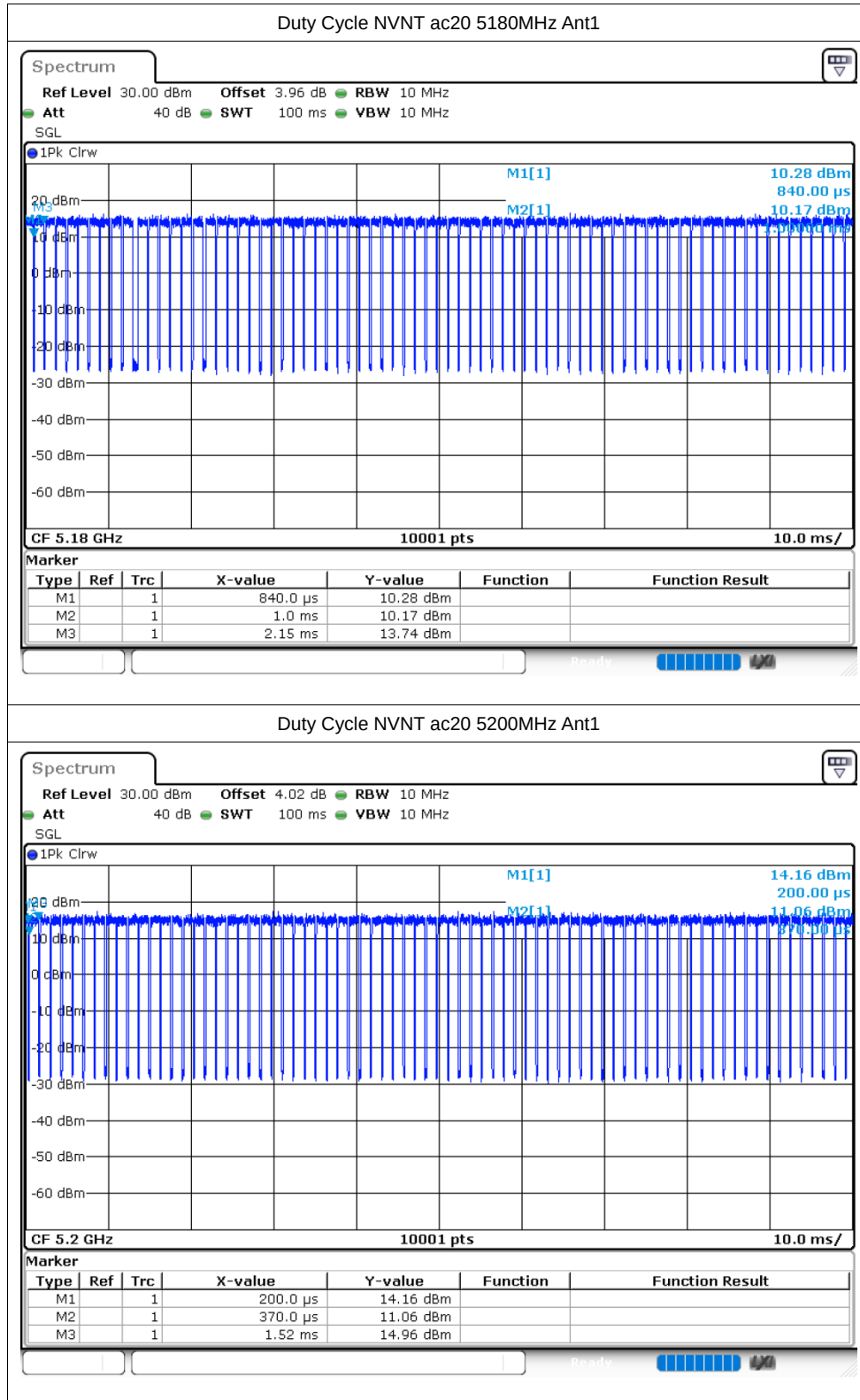
Duty Cycle NVNT a 5200MHz Ant1

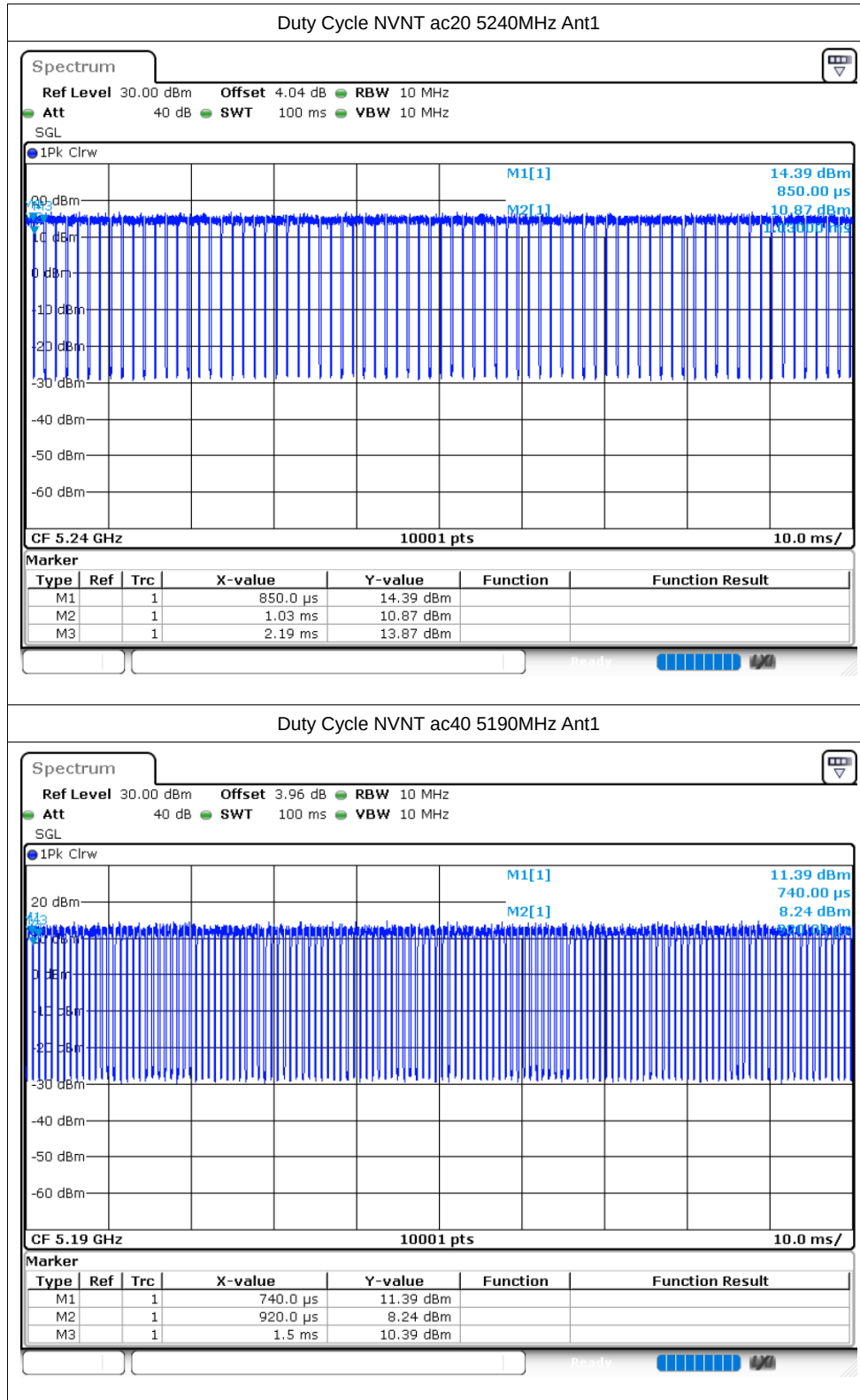


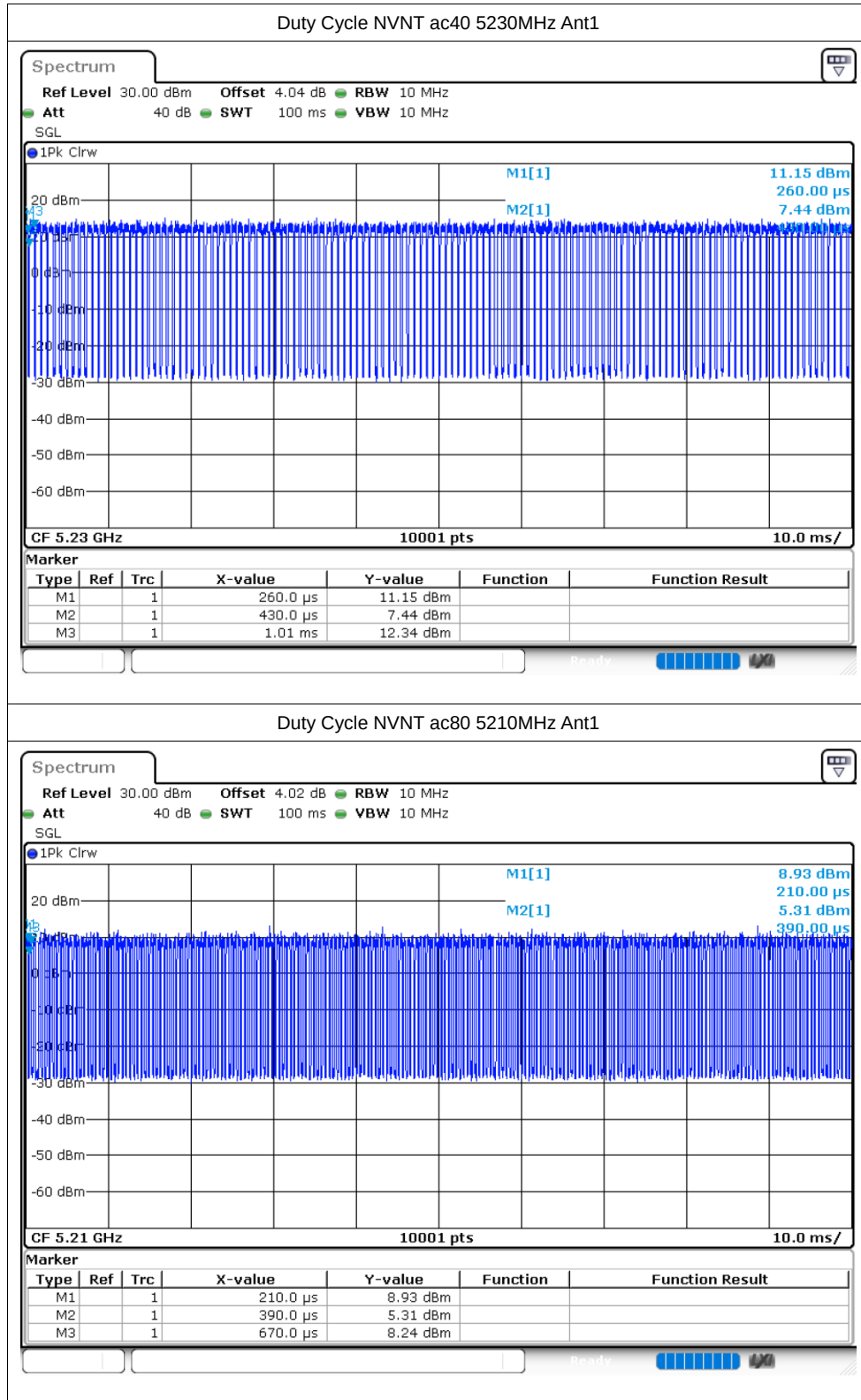












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.65	0.55	11.2	24	Pass
NVNT	a	5200	Ant1	11.39	0.55	11.94	24	Pass
NVNT	a	5240	Ant1	11.68	0.53	12.21	24	Pass
NVNT	n20	5180	Ant1	11.14	0.6	11.74	24	Pass
NVNT	n20	5200	Ant1	11.32	0.6	11.92	24	Pass
NVNT	n20	5240	Ant1	11.67	0.58	12.25	24	Pass
NVNT	n40	5190	Ant1	11.75	1.12	12.87	24	Pass
NVNT	n40	5230	Ant1	11.98	1.11	13.09	24	Pass
NVNT	ac20	5180	Ant1	11.1	0.61	11.71	24	Pass
NVNT	ac20	5200	Ant1	11.27	0.59	11.86	24	Pass
NVNT	ac20	5240	Ant1	11.61	0.59	12.2	24	Pass
NVNT	ac40	5190	Ant1	11.69	1.11	12.8	24	Pass
NVNT	ac40	5230	Ant1	11.97	1.12	13.09	24	Pass
NVNT	ac80	5210	Ant1	11.18	1.95	13.13	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.864	Pass
NVNT	a	5200	Ant1	19.644	Pass
NVNT	a	5240	Ant1	27.072	Pass
NVNT	n20	5180	Ant1	20.082	Pass
NVNT	n20	5200	Ant1	20.331	Pass
NVNT	n20	5240	Ant1	19.974	Pass
NVNT	n40	5190	Ant1	52.434	Pass
NVNT	n40	5230	Ant1	56.52	Pass
NVNT	ac20	5180	Ant1	23.721	Pass
NVNT	ac20	5200	Ant1	22.203	Pass
NVNT	ac20	5240	Ant1	20.214	Pass
NVNT	ac40	5190	Ant1	50.946	Pass
NVNT	ac40	5230	Ant1	53.502	Pass
NVNT	ac80	5210	Ant1	83.556	Pass

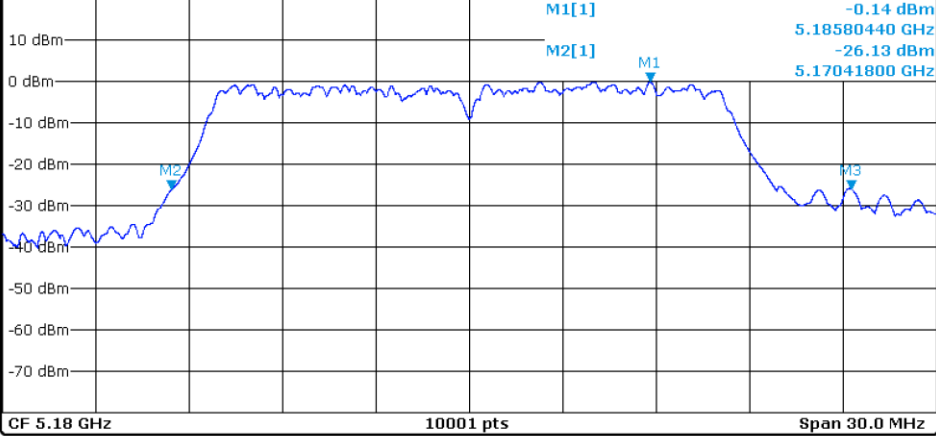
Test Graphs

-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



Marker

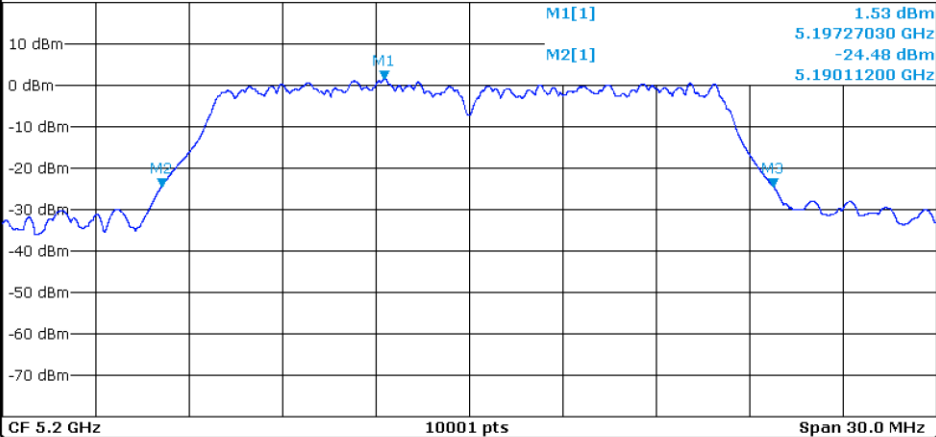
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1858044 GHz	-0.14 dBm		
M2	1		5.170418 GHz	-26.13 dBm		
M3	1		5.192282 GHz	-26.13 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

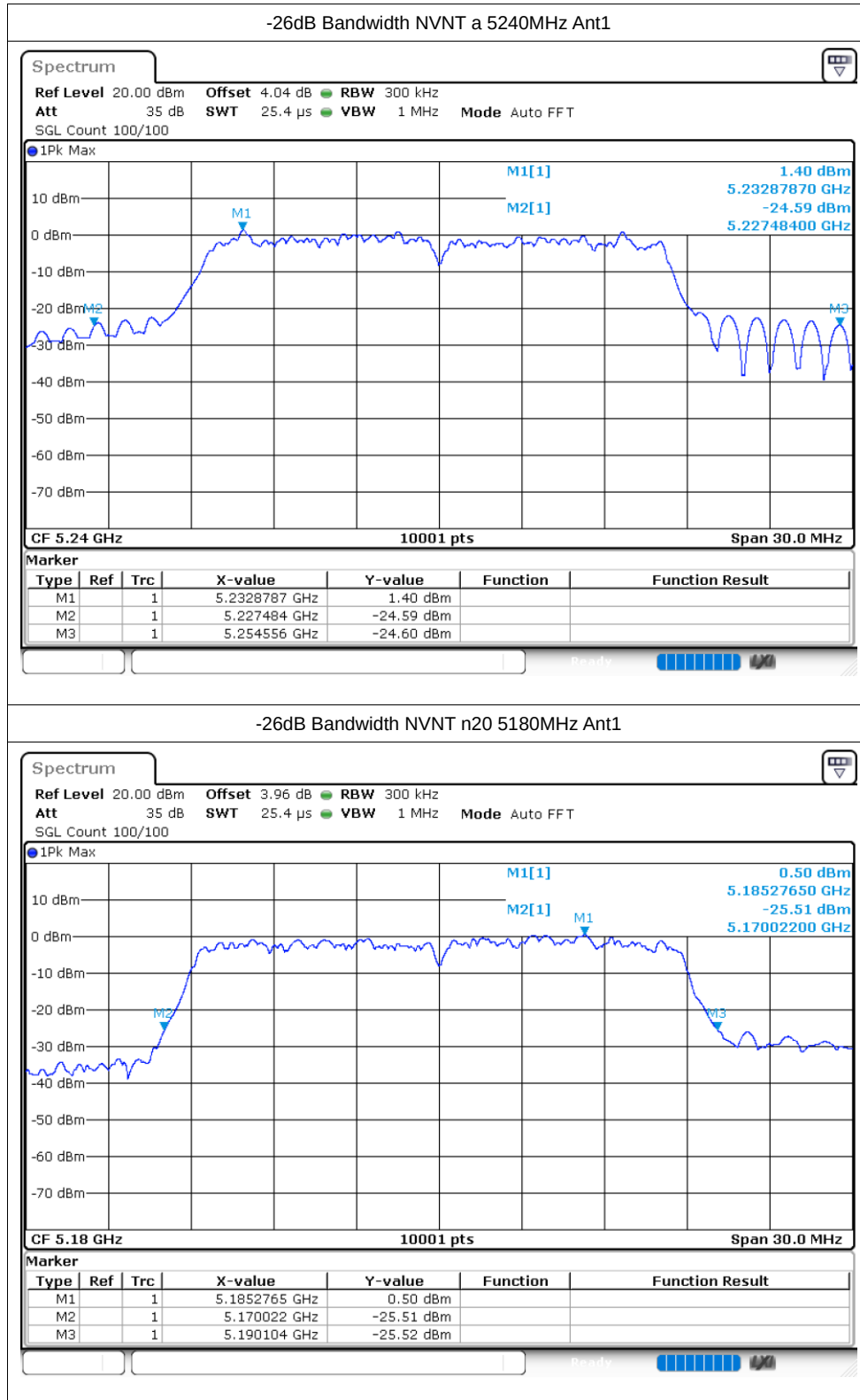
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

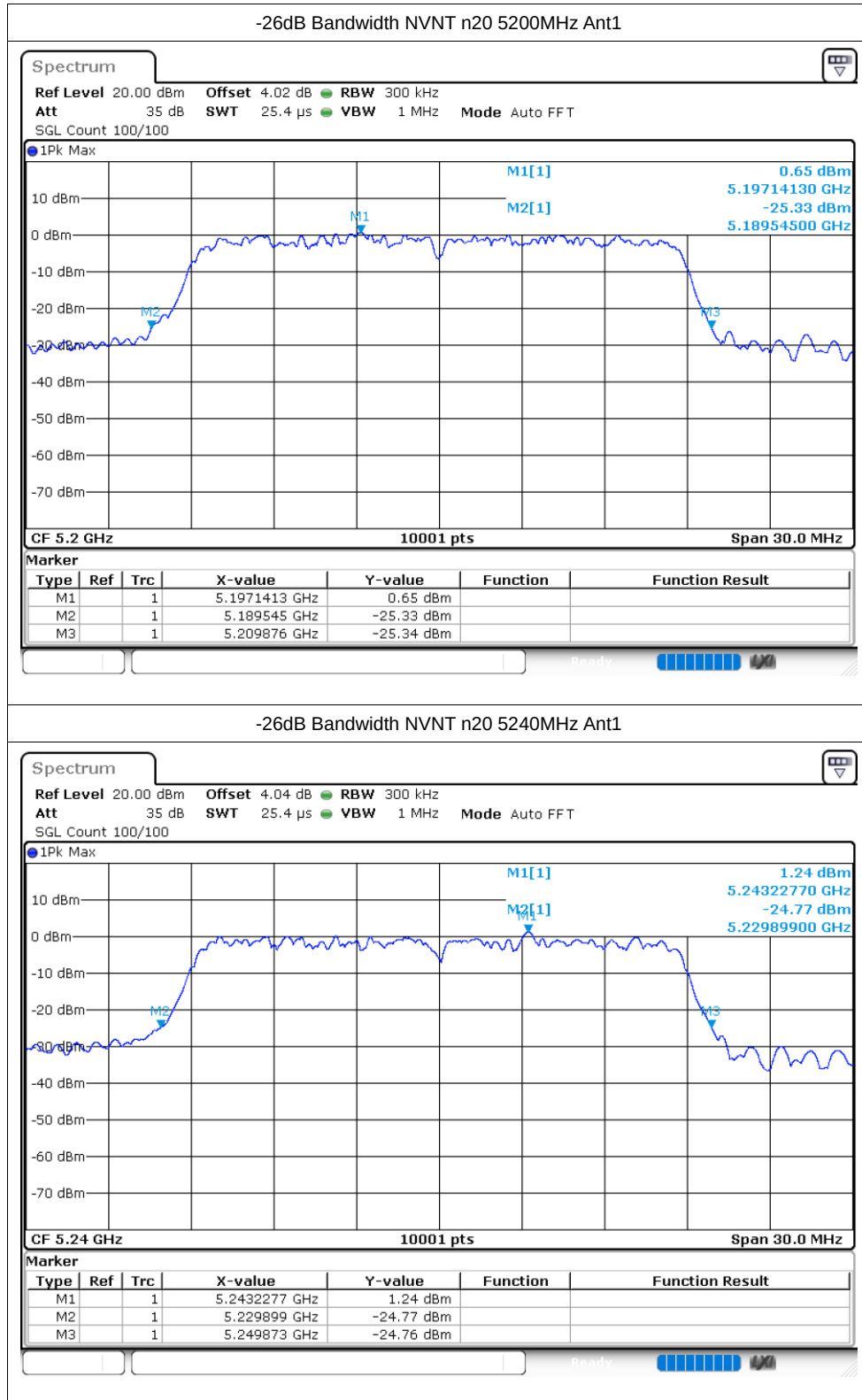
1Pk Max

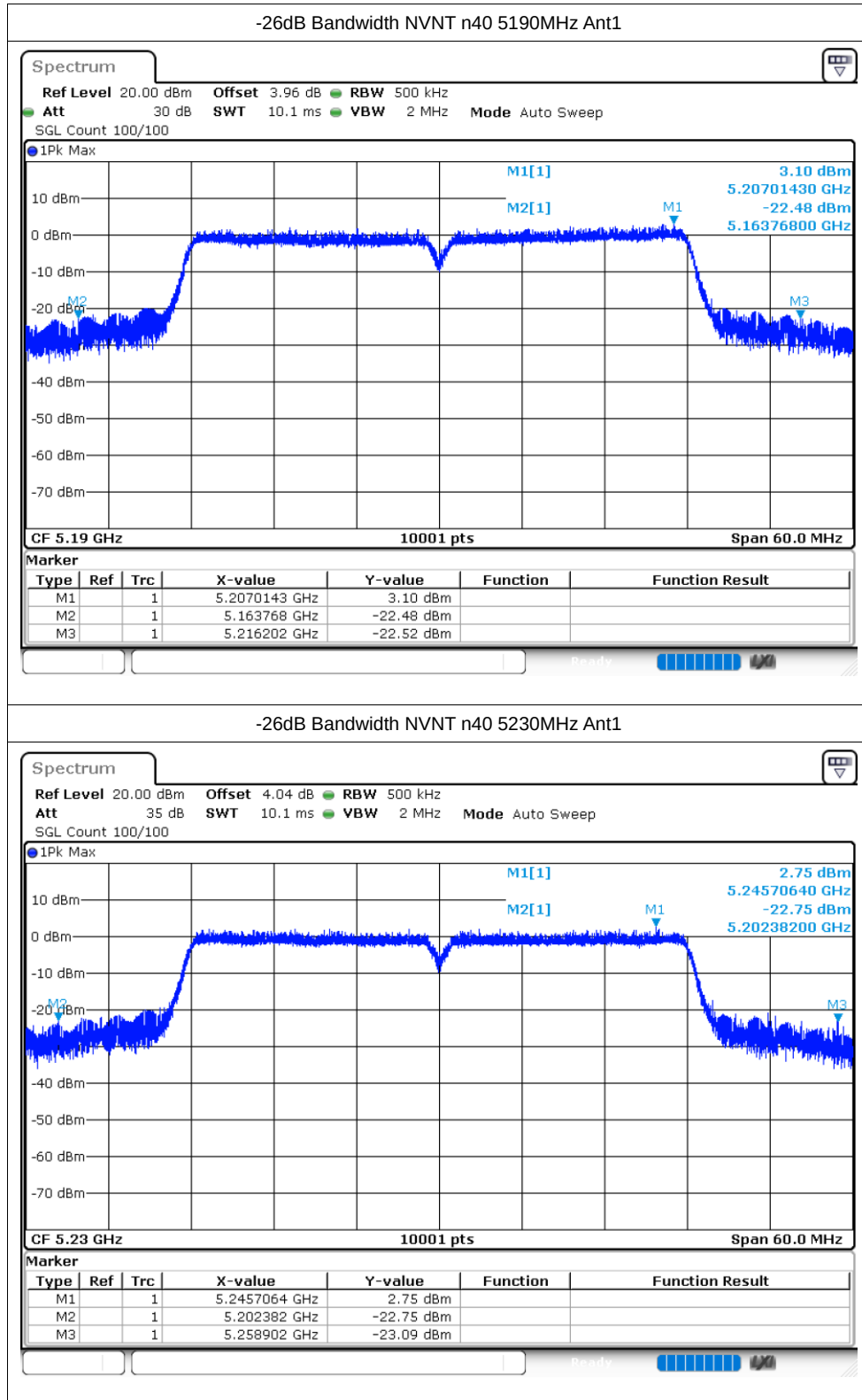


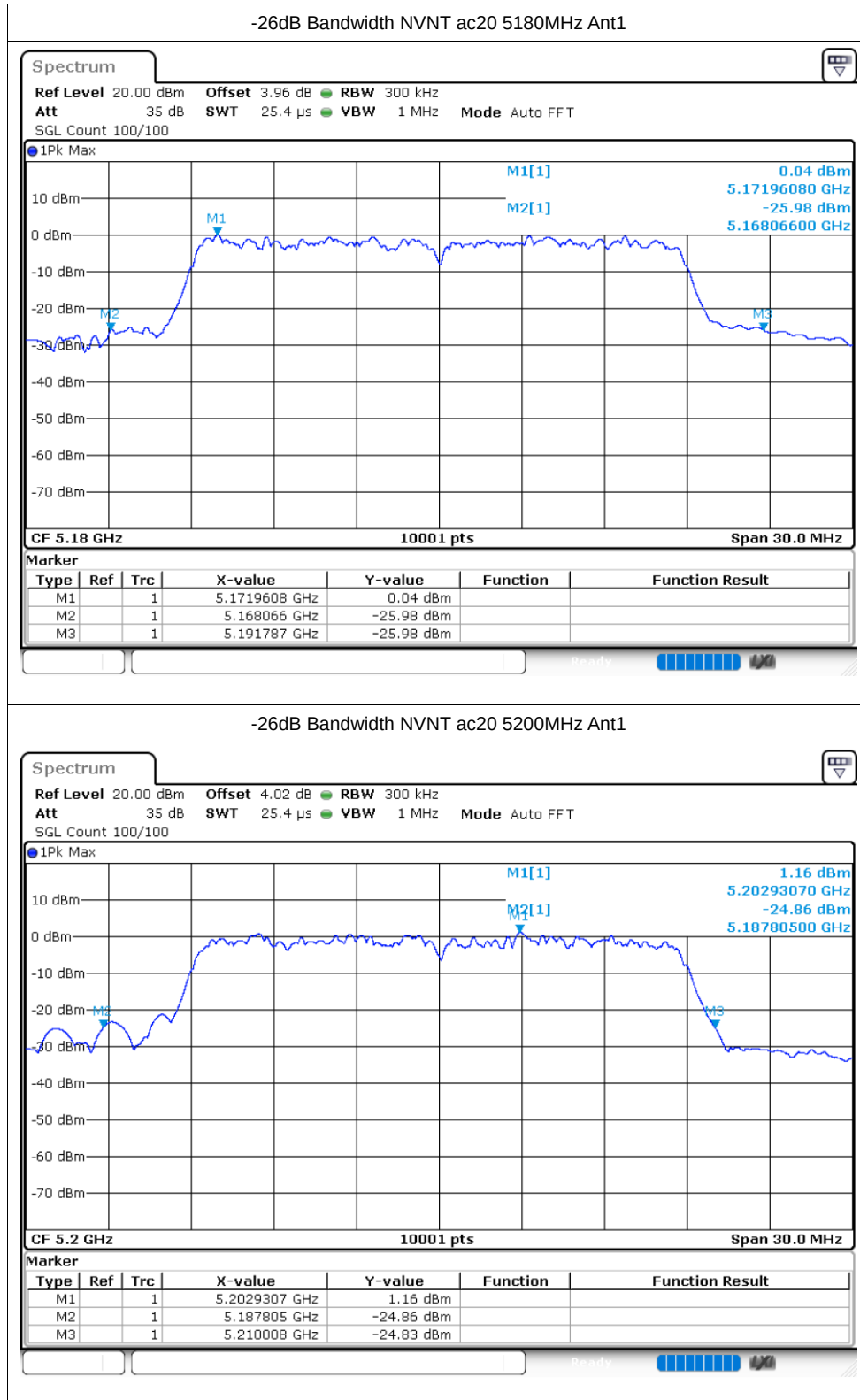
Marker

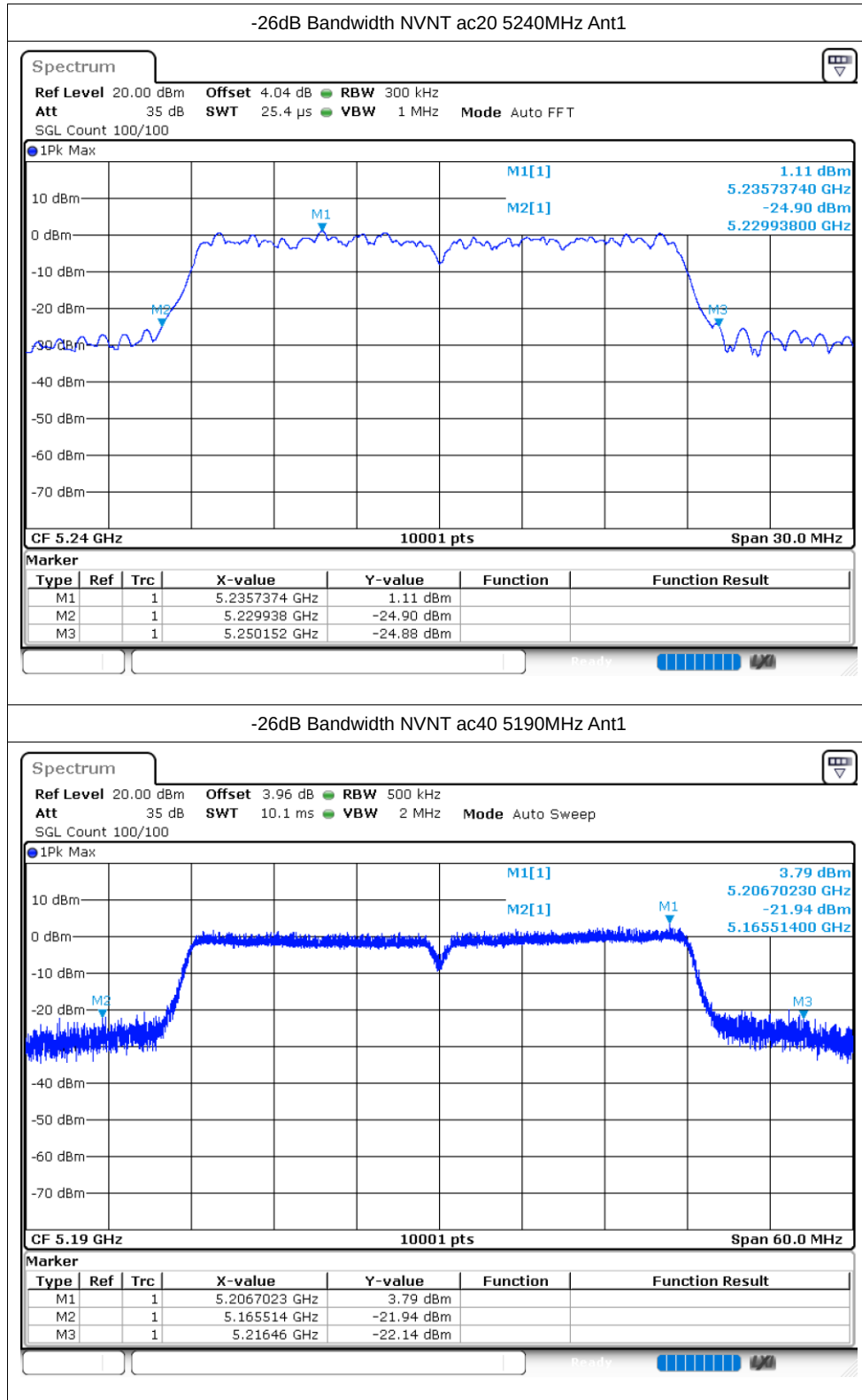
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1972703 GHz	1.53 dBm		
M2	1		5.190112 GHz	-24.48 dBm		
M3	1		5.209756 GHz	-24.46 dBm		

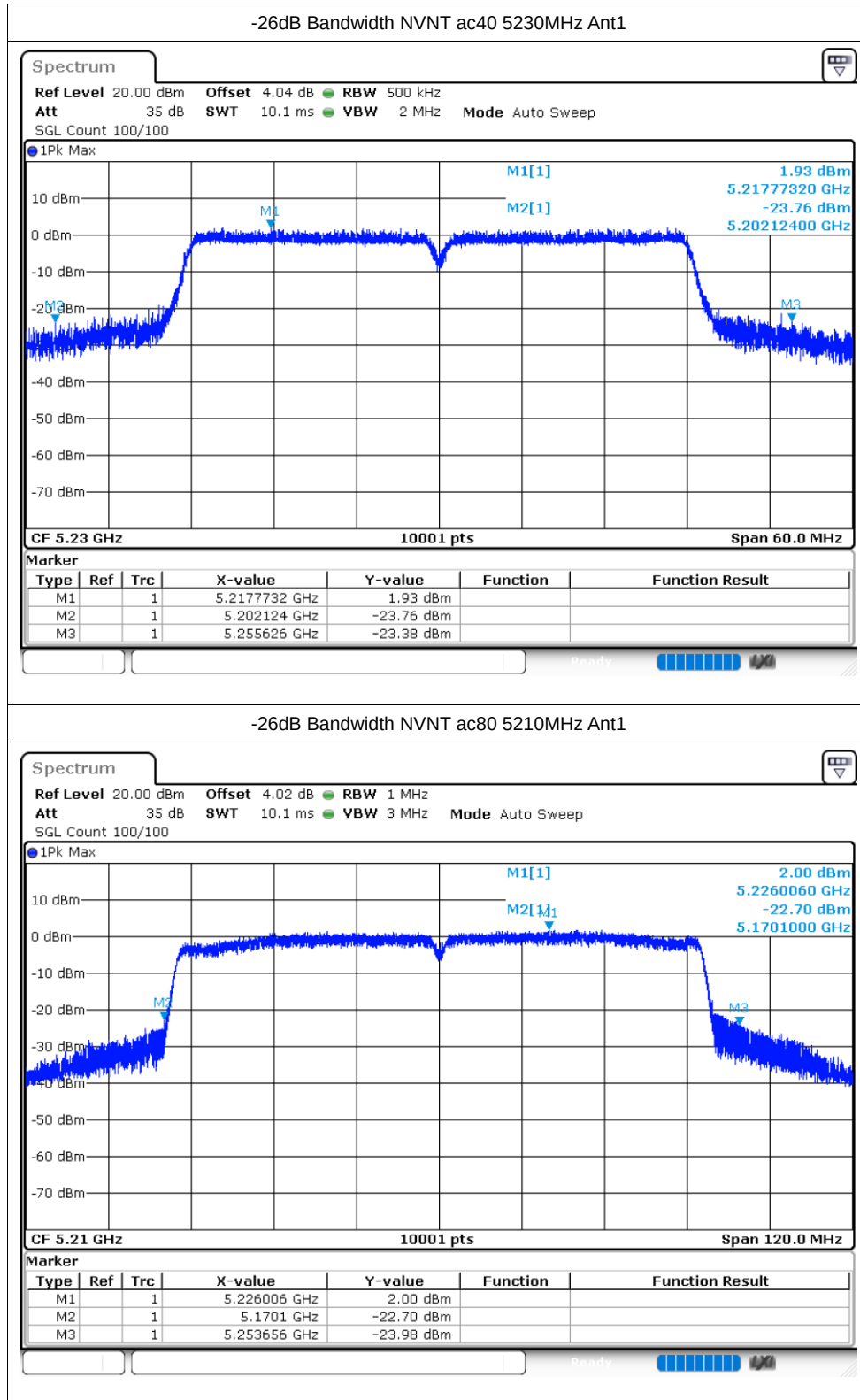










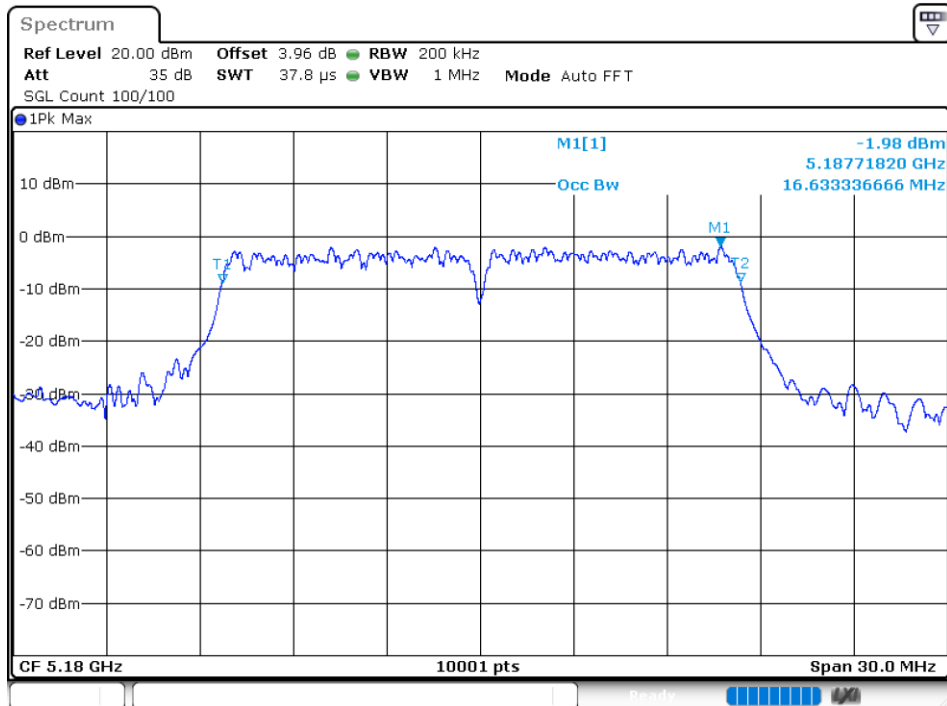


Occupied Channel Bandwidth

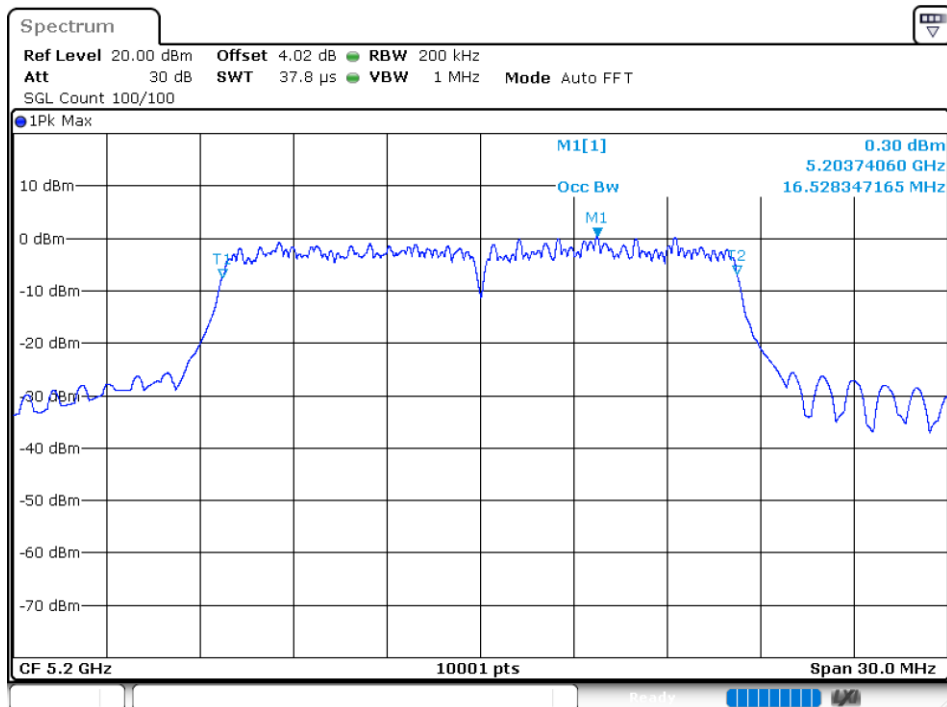
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.633
NVNT	a	5200	Ant1	16.528
NVNT	a	5240	Ant1	16.6
NVNT	n20	5180	Ant1	17.677
NVNT	n20	5200	Ant1	17.566
NVNT	n20	5240	Ant1	17.572
NVNT	n40	5190	Ant1	36.482
NVNT	n40	5230	Ant1	36.368
NVNT	ac20	5180	Ant1	17.638
NVNT	ac20	5200	Ant1	17.596
NVNT	ac20	5240	Ant1	17.641
NVNT	ac40	5190	Ant1	36.458
NVNT	ac40	5230	Ant1	36.356
NVNT	ac80	5210	Ant1	75.256

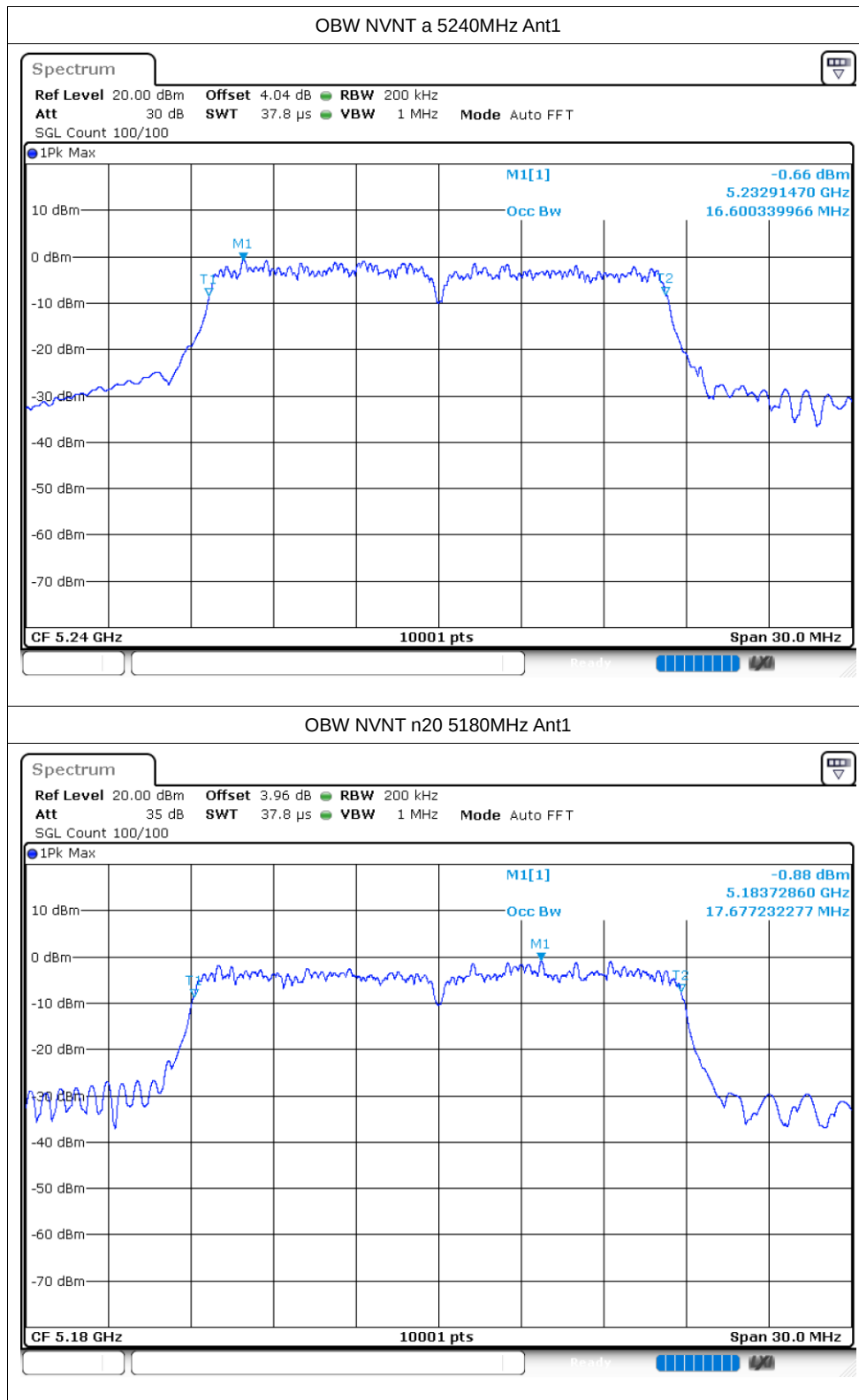
Test Graphs

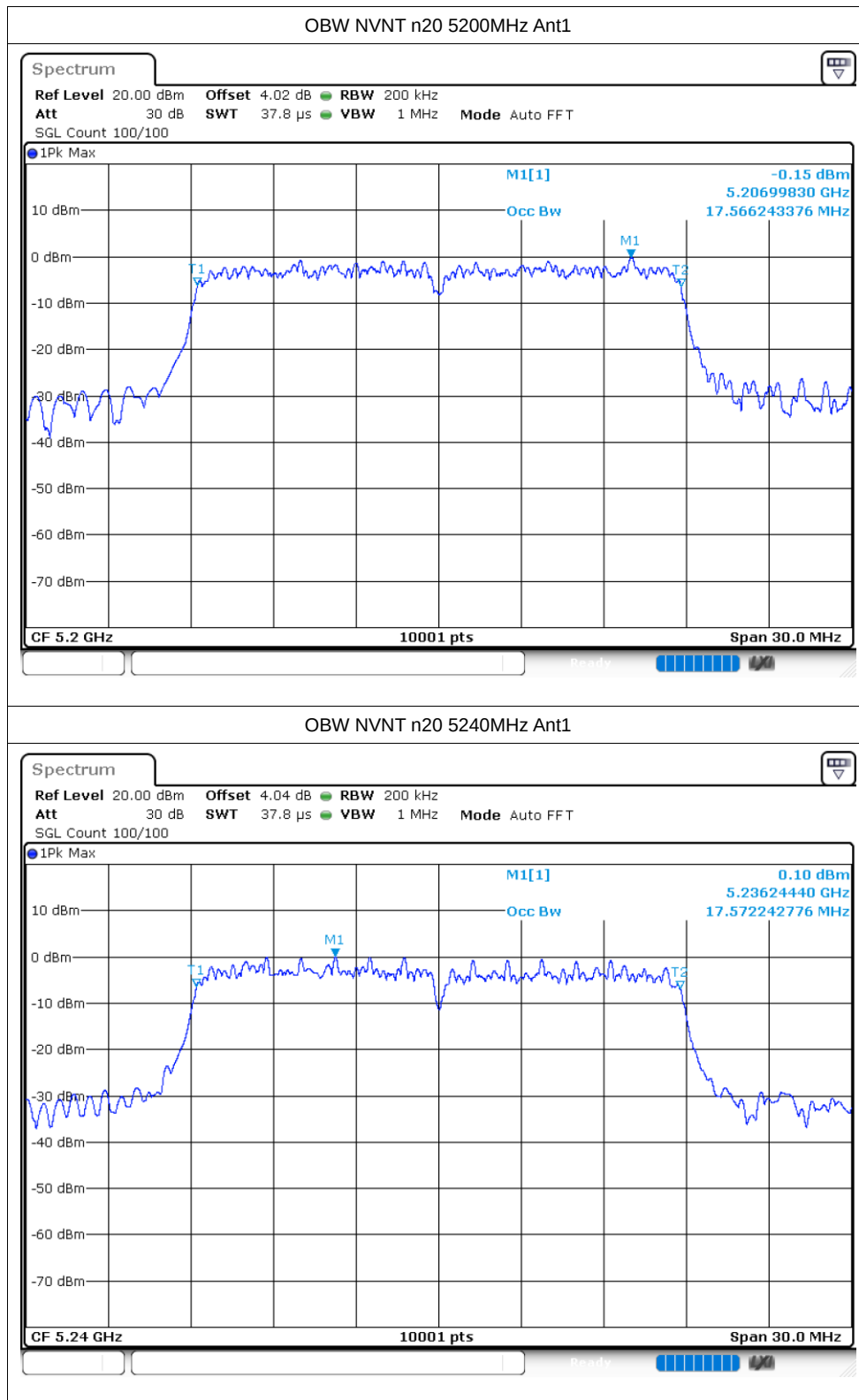
OBW NVNT a 5180MHz Ant1

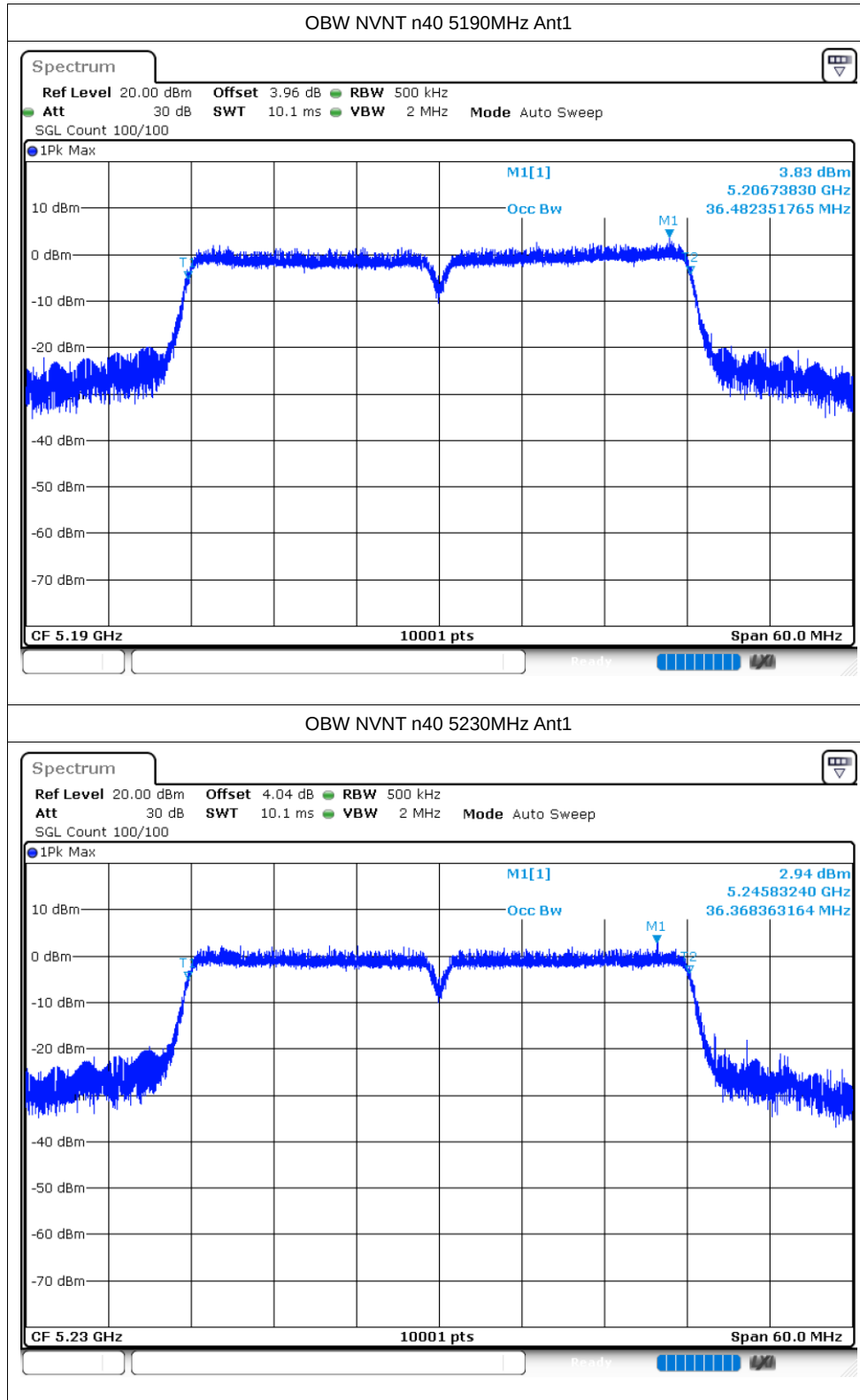


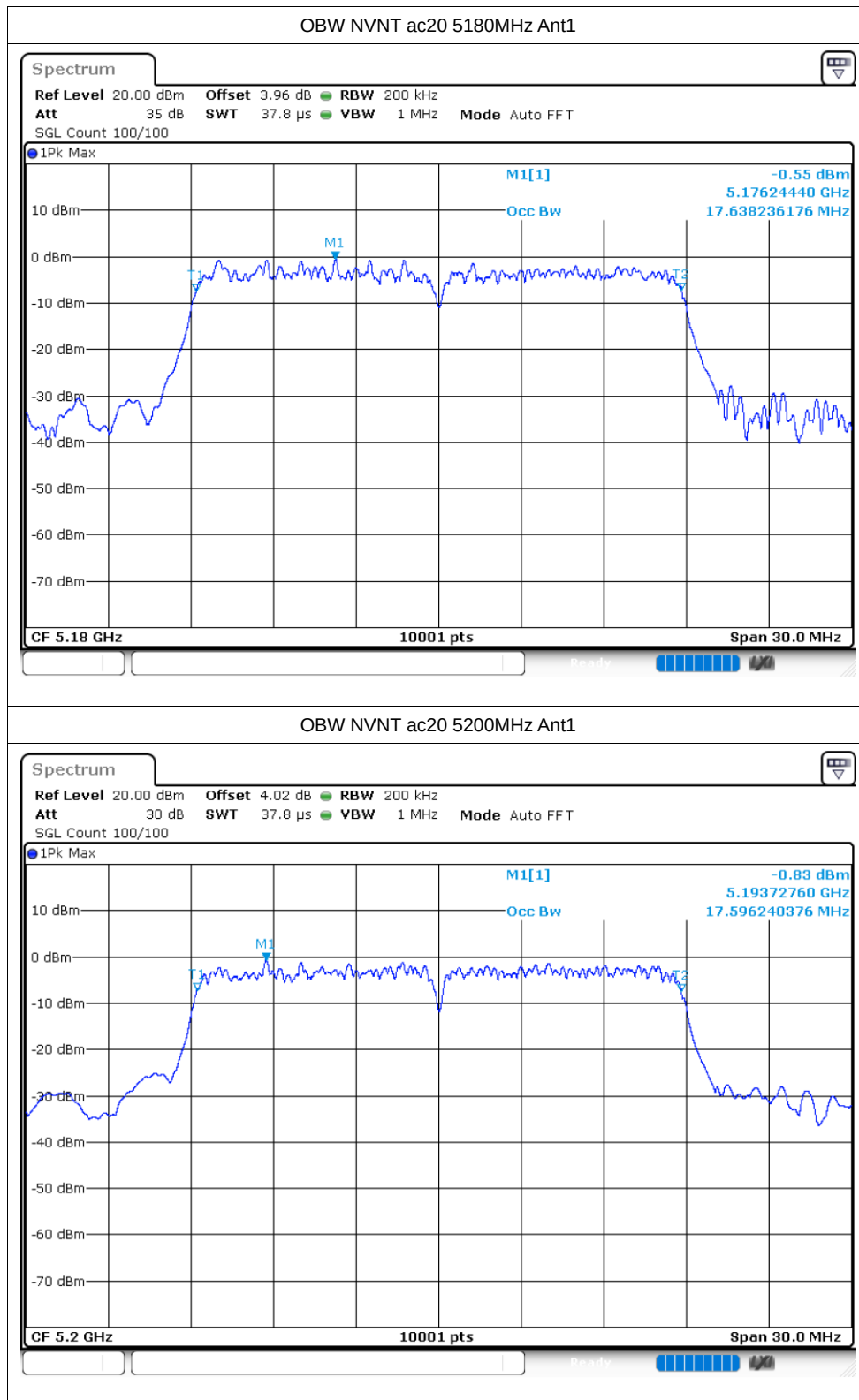
OBW NVNT a 5200MHz Ant1

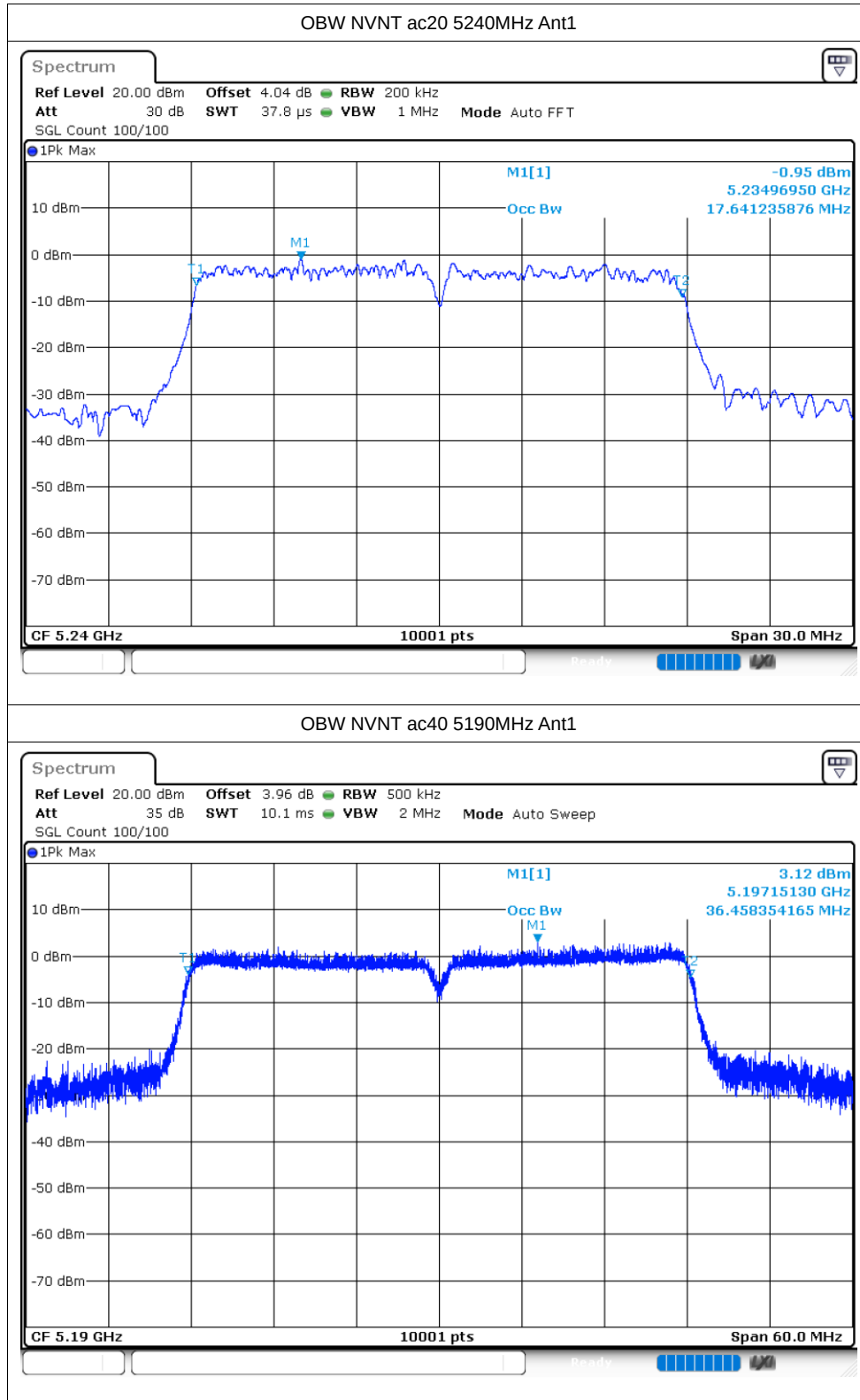


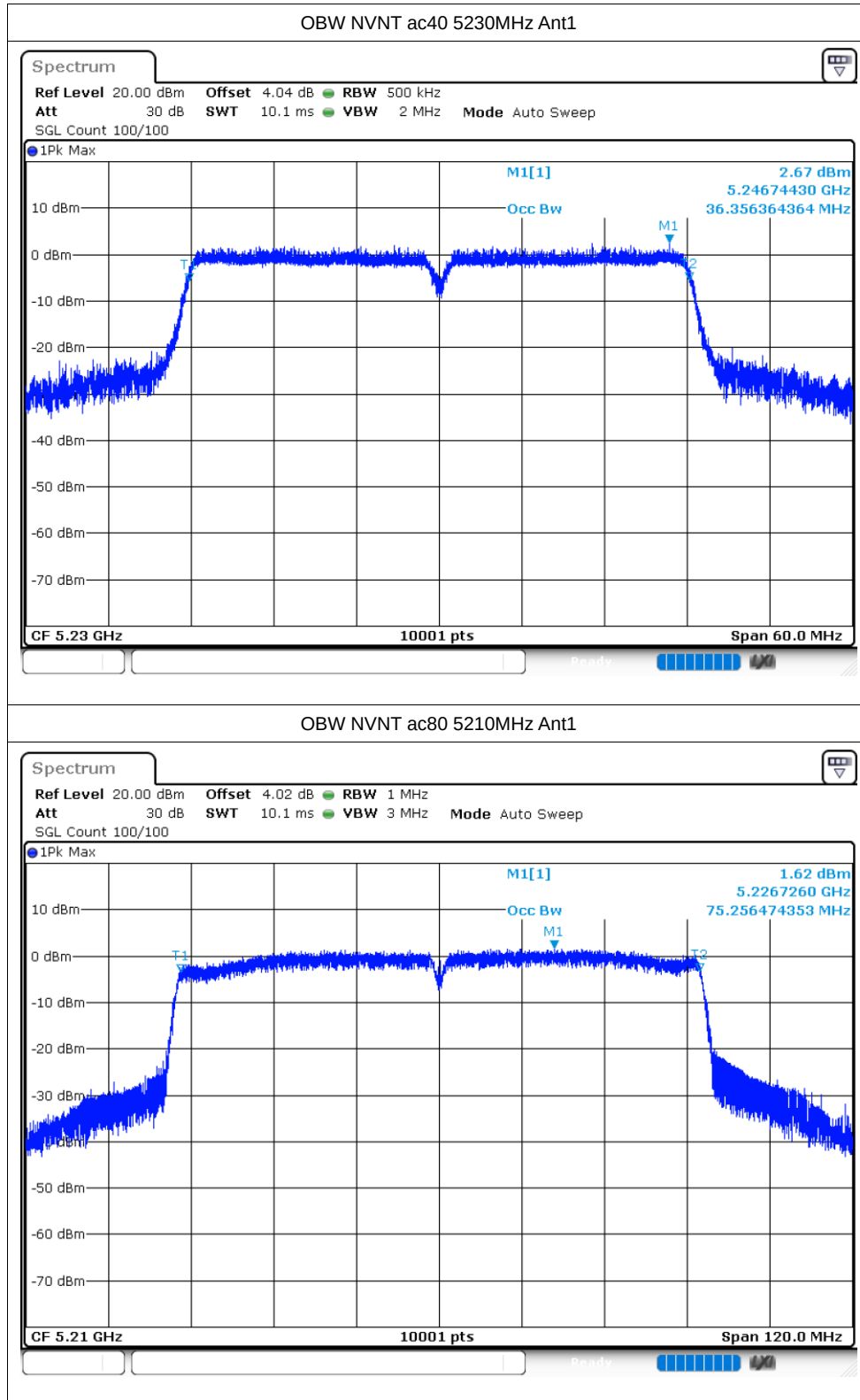










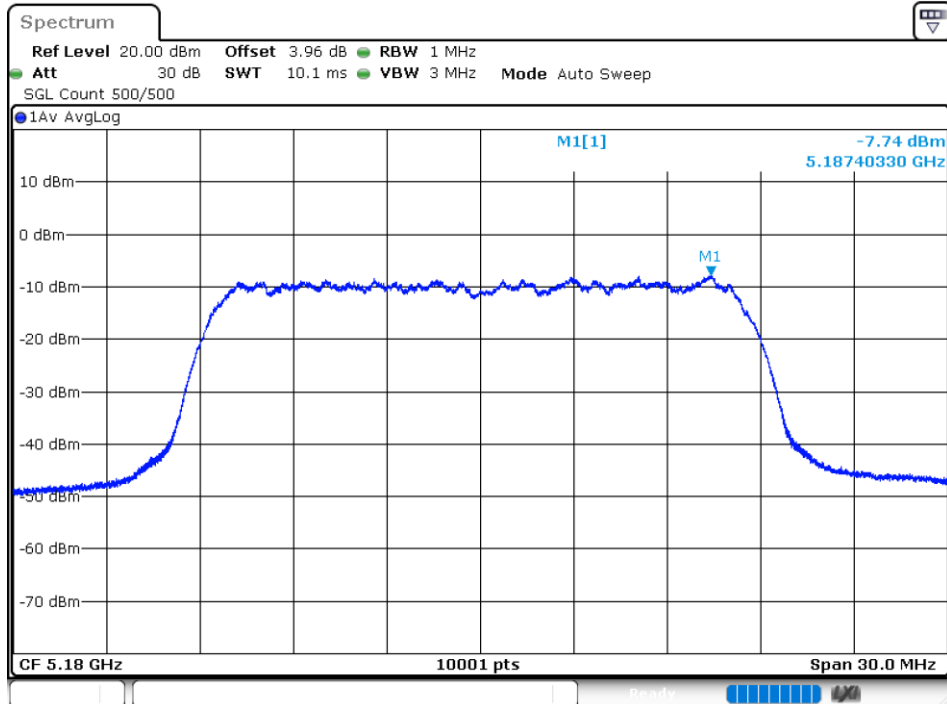


Maximum Power Spectral Density Level

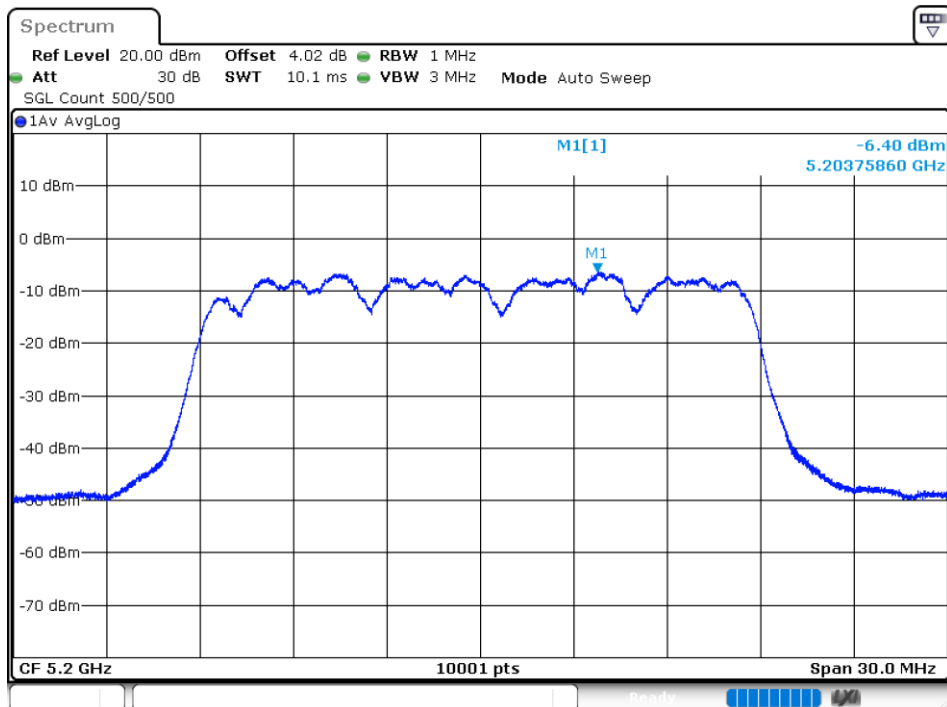
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-7.74	0.55	-7.19	11	Pass
NVNT	a	5200	Ant1	-6.4	0.55	-5.85	11	Pass
NVNT	a	5240	Ant1	-6.56	0.53	-6.03	11	Pass
NVNT	n20	5180	Ant1	-7.8	0.6	-7.2	11	Pass
NVNT	n20	5200	Ant1	-7.71	0.6	-7.11	11	Pass
NVNT	n20	5240	Ant1	-7.43	0.58	-6.85	11	Pass
NVNT	n40	5190	Ant1	-14.74	1.12	-13.62	11	Pass
NVNT	n40	5230	Ant1	-12.68	1.11	-11.57	11	Pass
NVNT	ac20	5180	Ant1	-8.99	0.61	-8.38	11	Pass
NVNT	ac20	5200	Ant1	-7.71	0.59	-7.12	11	Pass
NVNT	ac20	5240	Ant1	-6.82	0.59	-6.23	11	Pass
NVNT	ac40	5190	Ant1	-14.84	1.11	-13.73	11	Pass
NVNT	ac40	5230	Ant1	-15.39	1.12	-14.27	11	Pass
NVNT	ac80	5210	Ant1	-17.56	1.95	-15.61	11	Pass

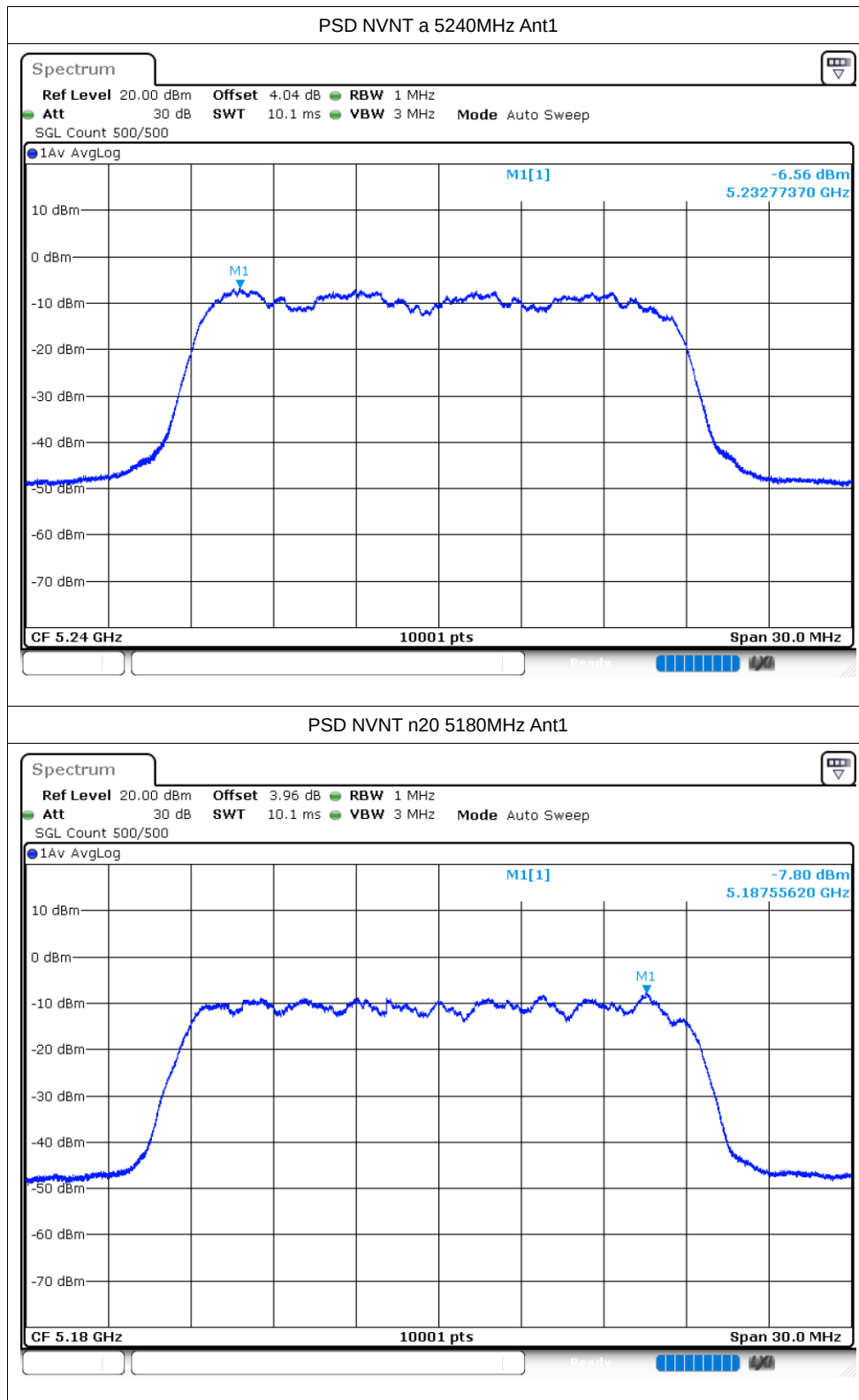
Test Graphs

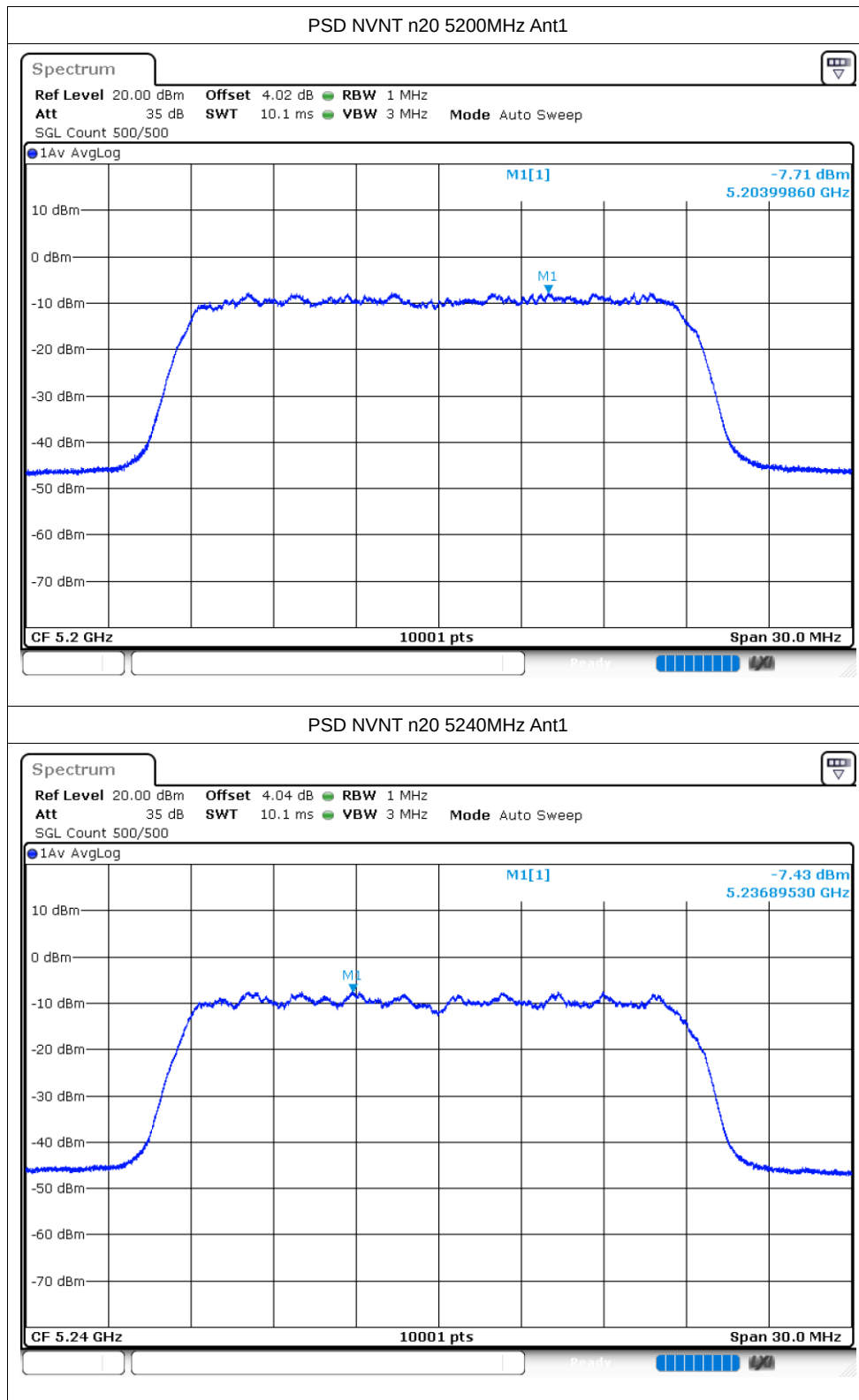
PSD NVNT a 5180MHz Ant1

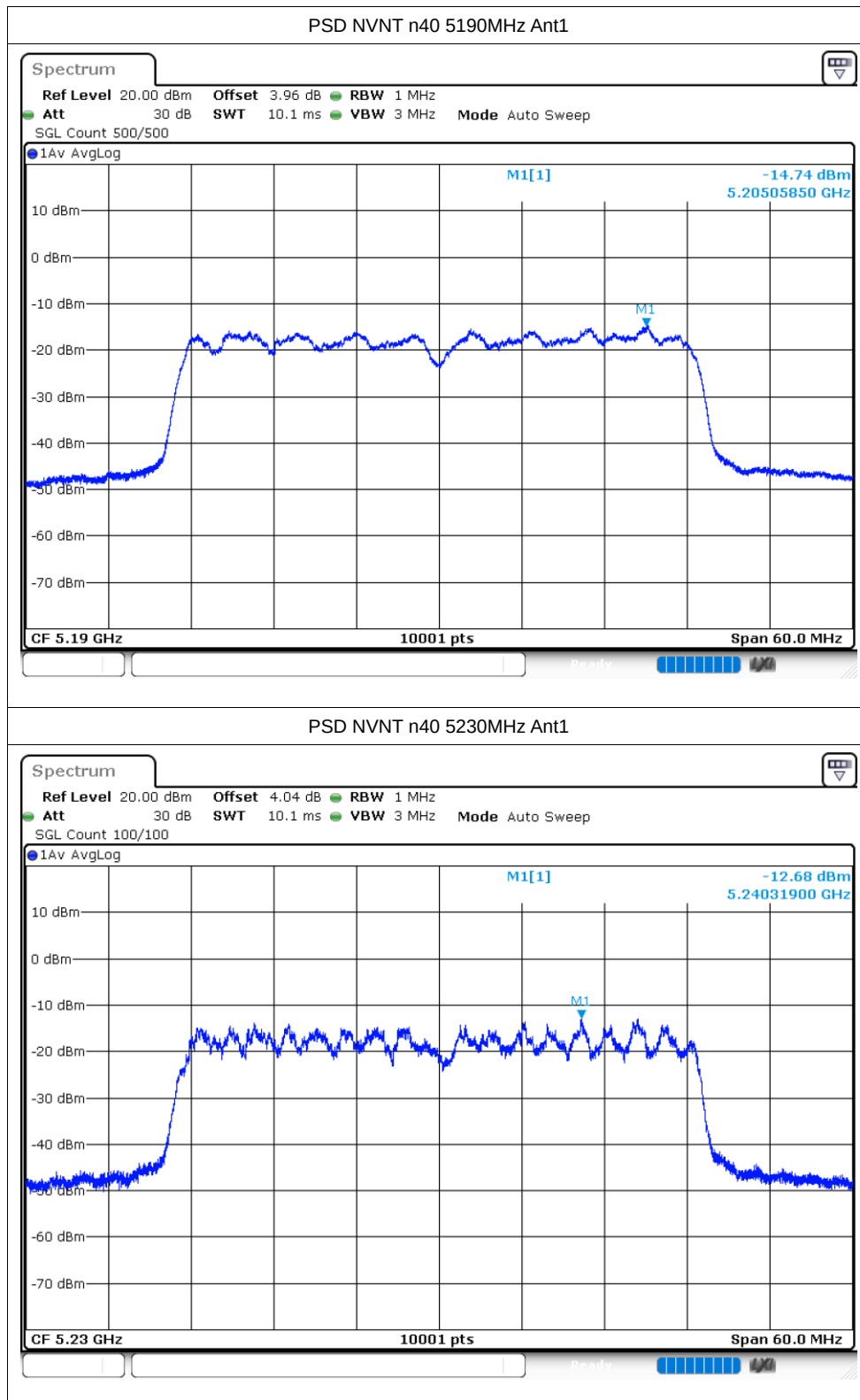


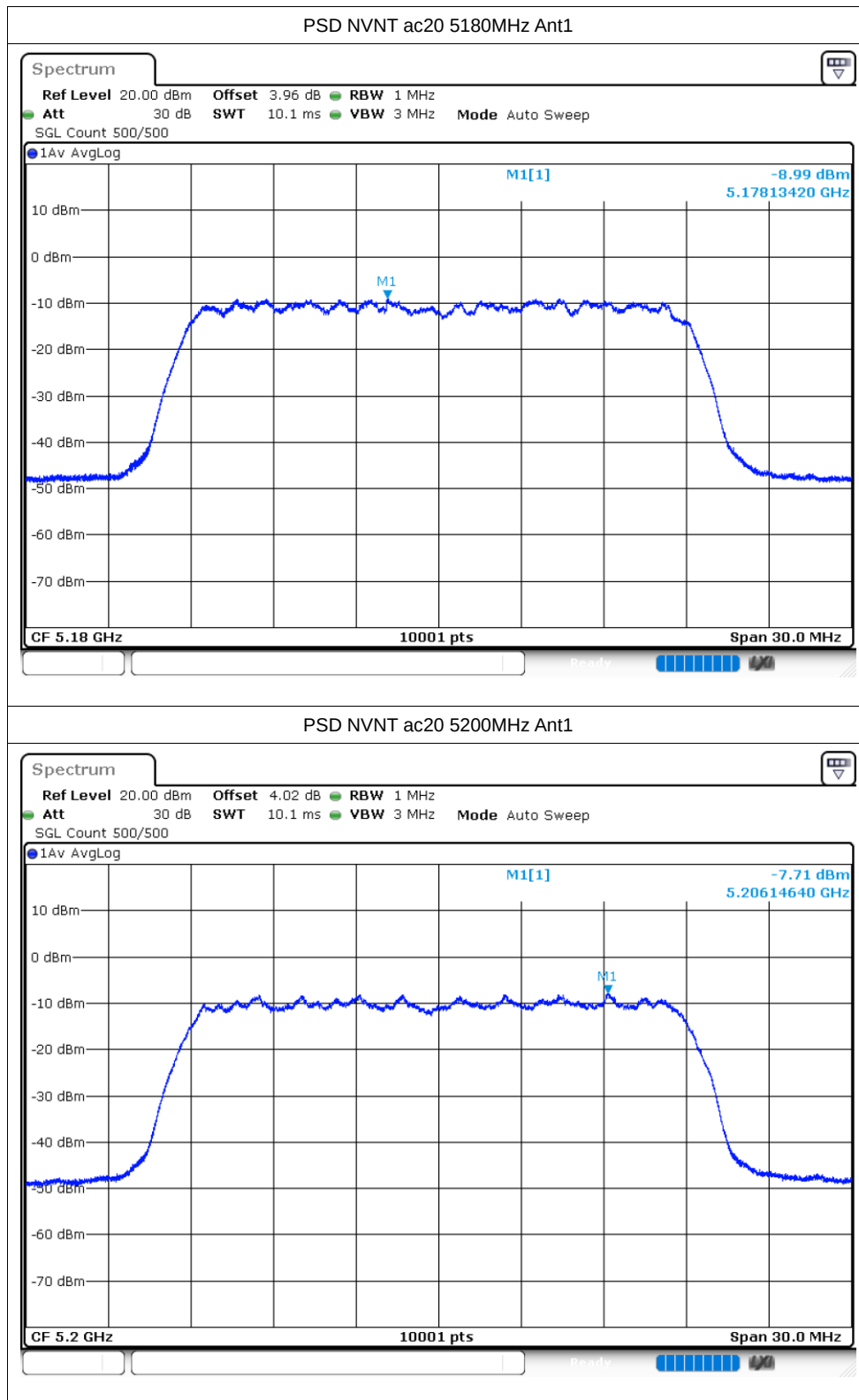
PSD NVNT a 5200MHz Ant1

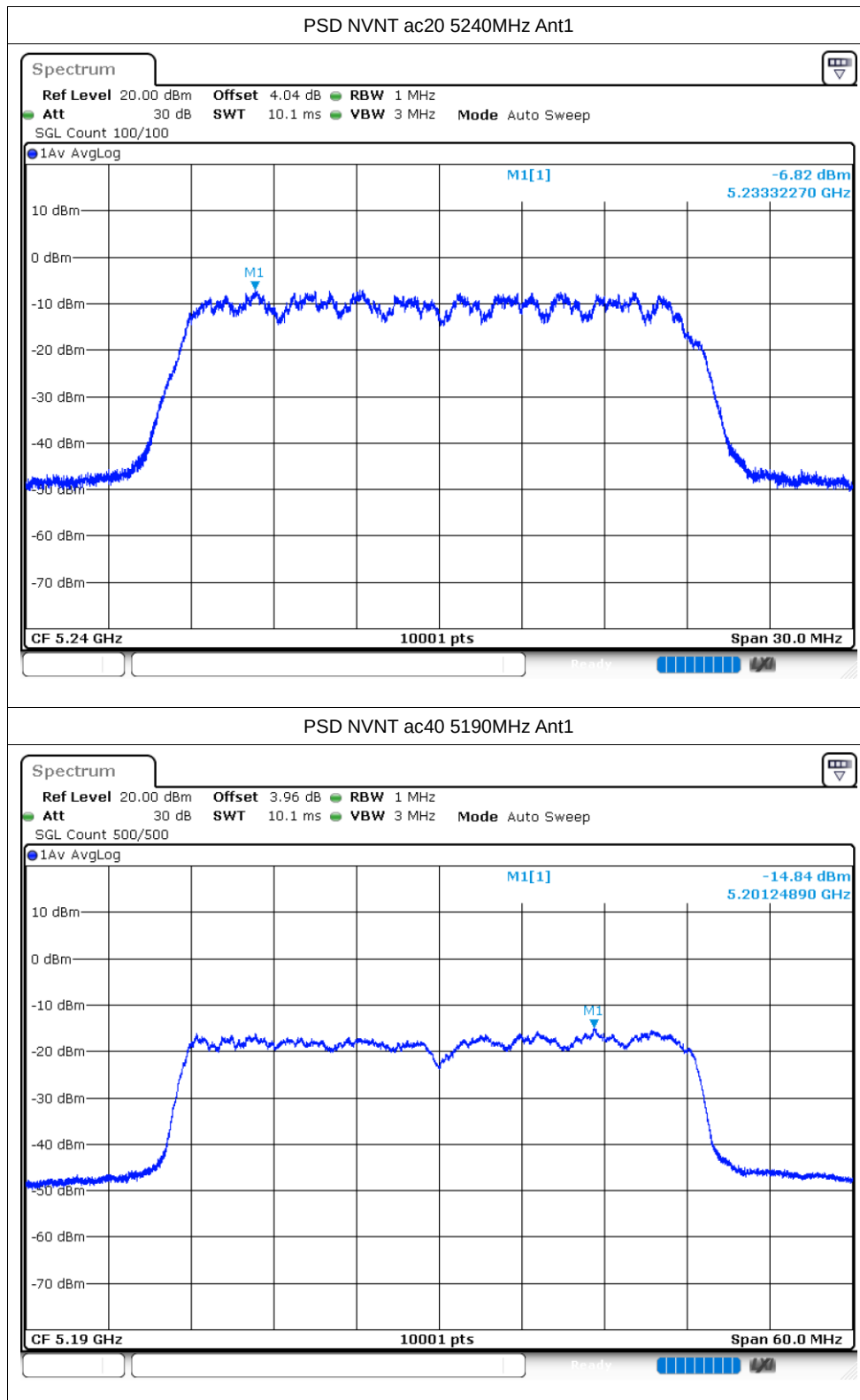


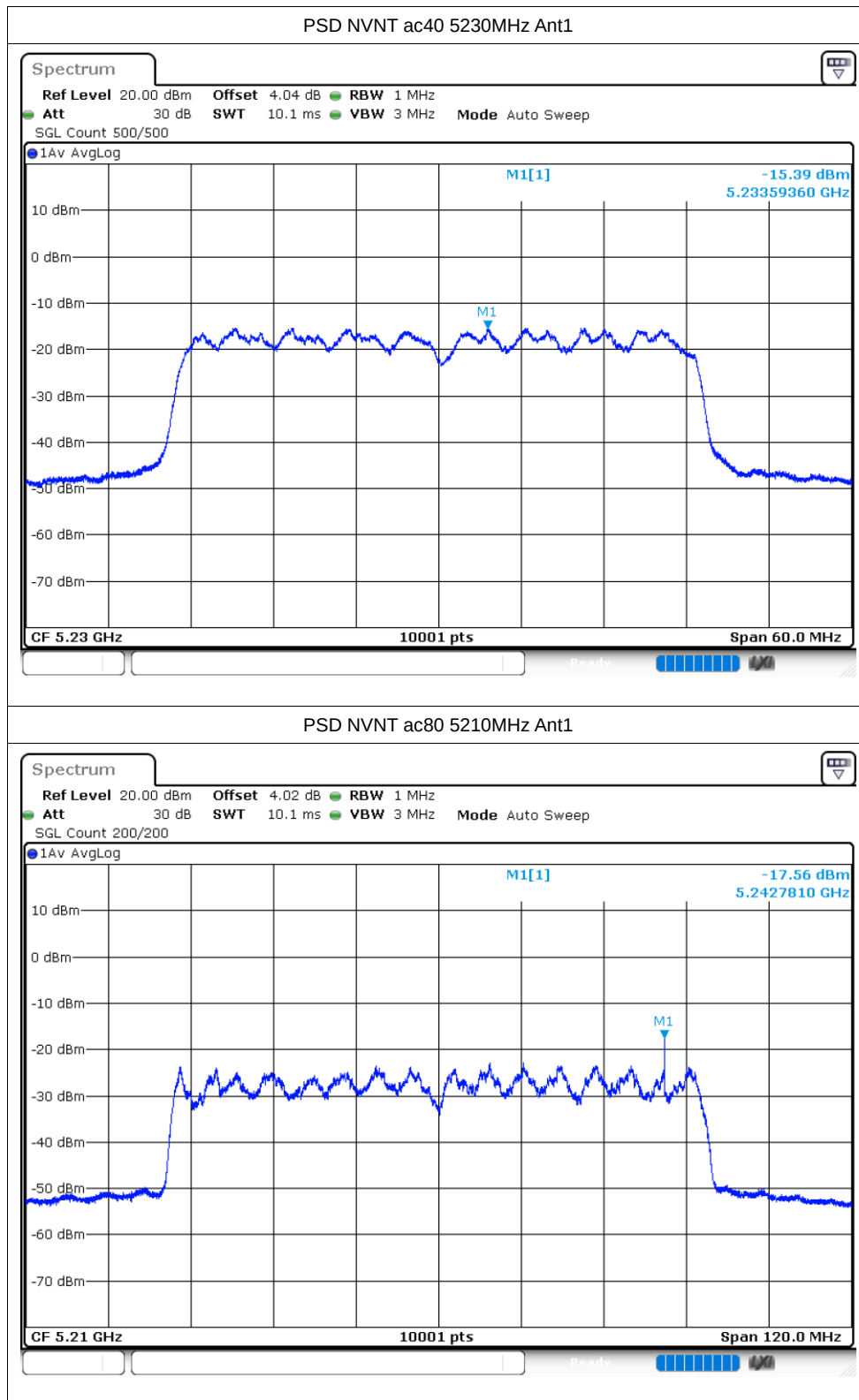










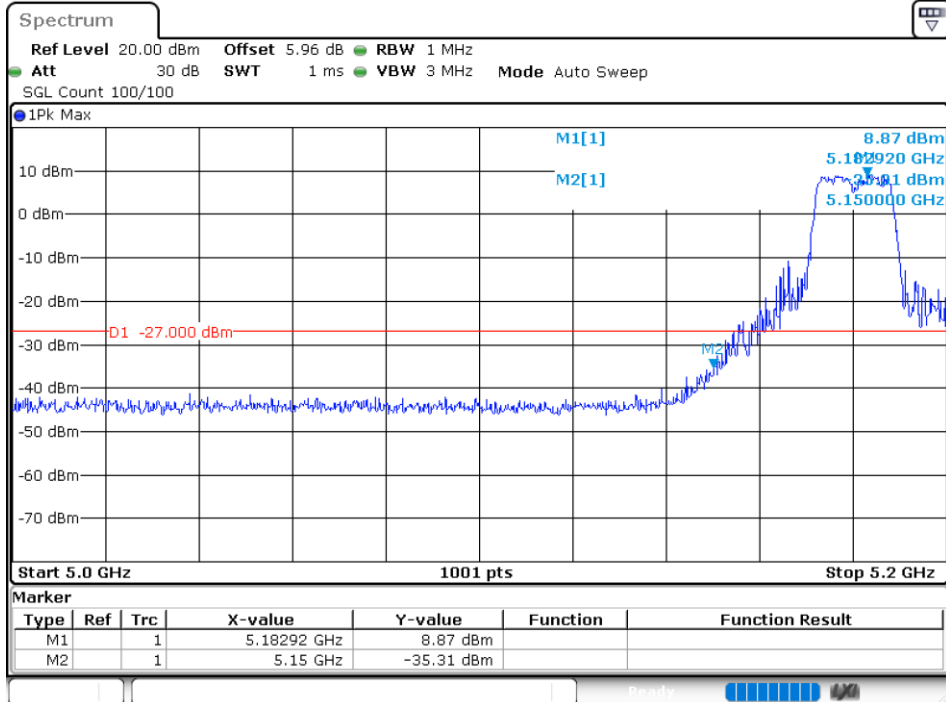


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.31	-27	Pass
NVNT	a	5240	Ant1	-41.3	-27	Pass
NVNT	n20	5180	Ant1	-32.73	-27	Pass
NVNT	n20	5240	Ant1	-41.17	-27	Pass
NVNT	n40	5190	Ant1	-30.12	-27	Pass
NVNT	n40	5230	Ant1	-41.86	-27	Pass
NVNT	ac20	5180	Ant1	-31.28	-27	Pass
NVNT	ac20	5240	Ant1	-41.15	-27	Pass
NVNT	ac40	5190	Ant1	-30.31	-27	Pass
NVNT	ac40	5230	Ant1	-41.39	-27	Pass
NVNT	ac80	5210	Ant1	-41.73	-27	Pass

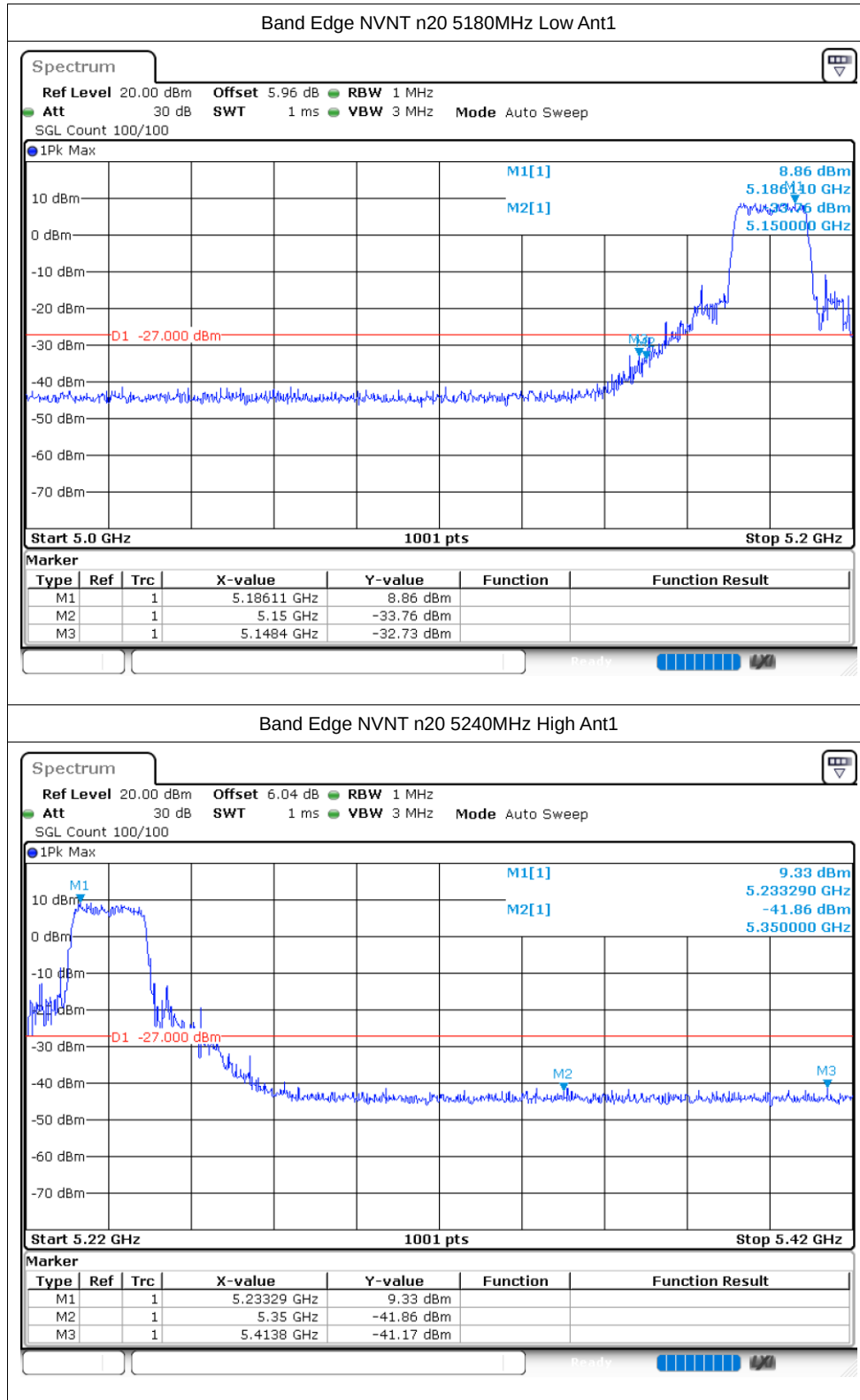
Test Graphs

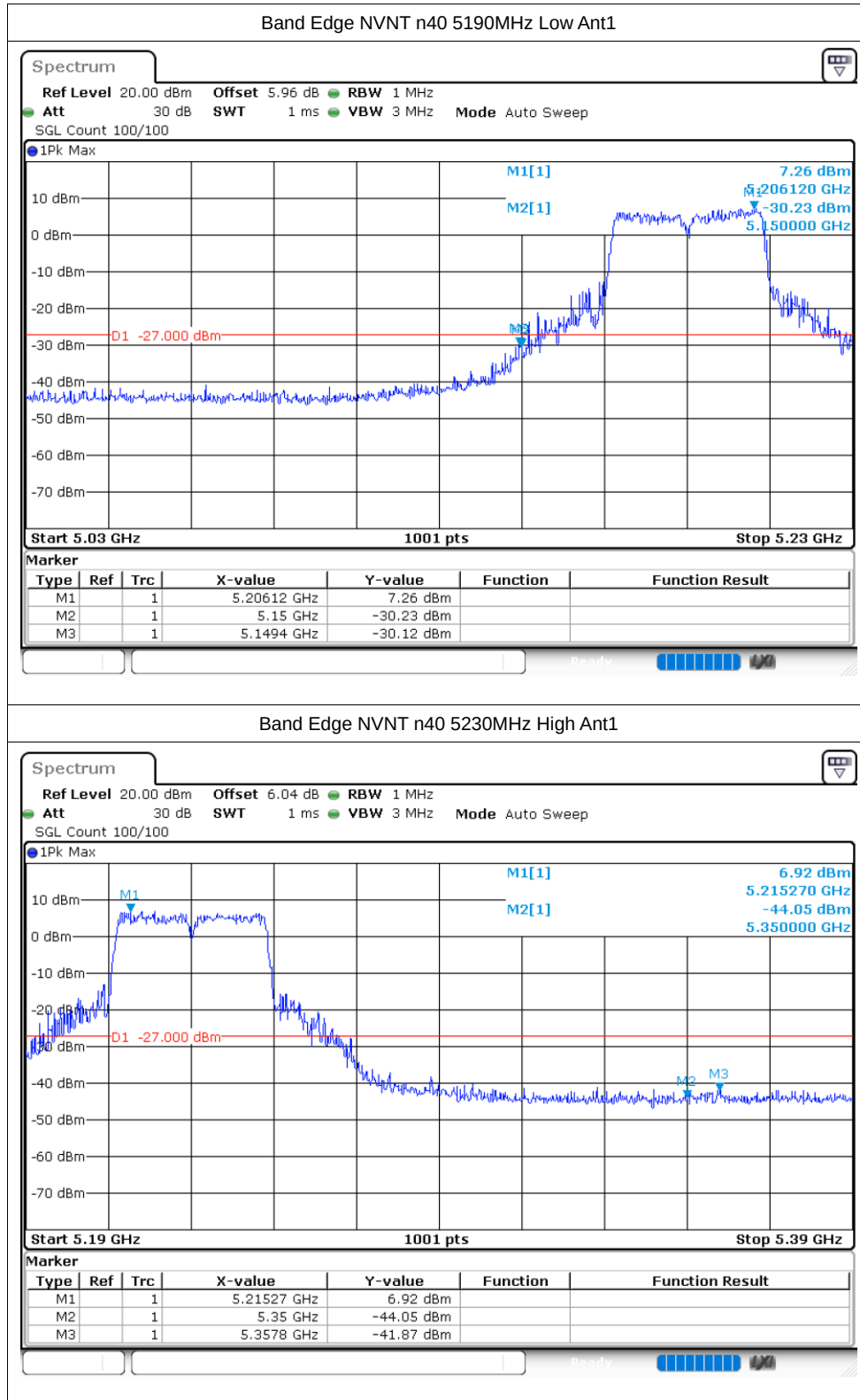
Band Edge NVNT a 5180MHz Low Ant1

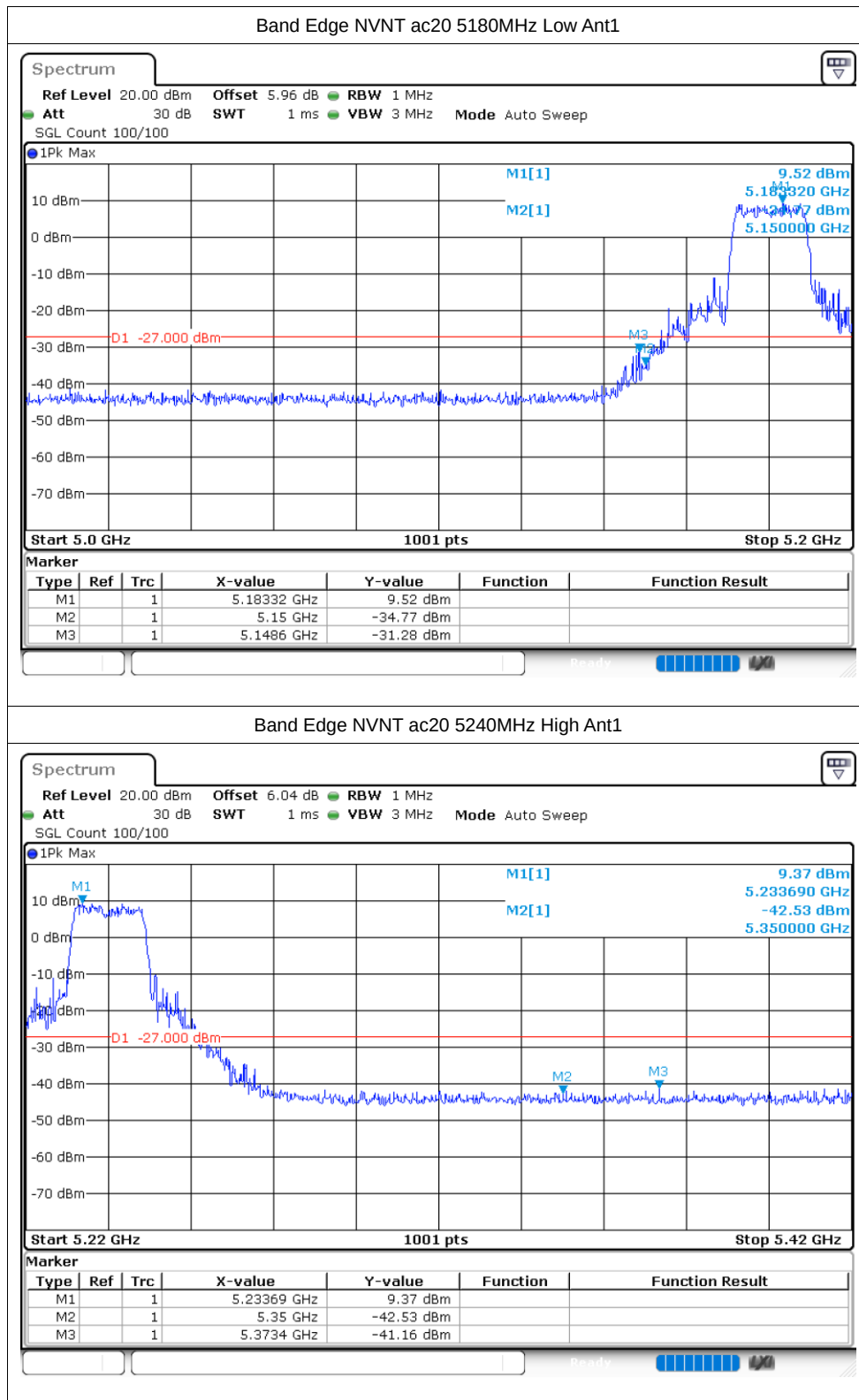


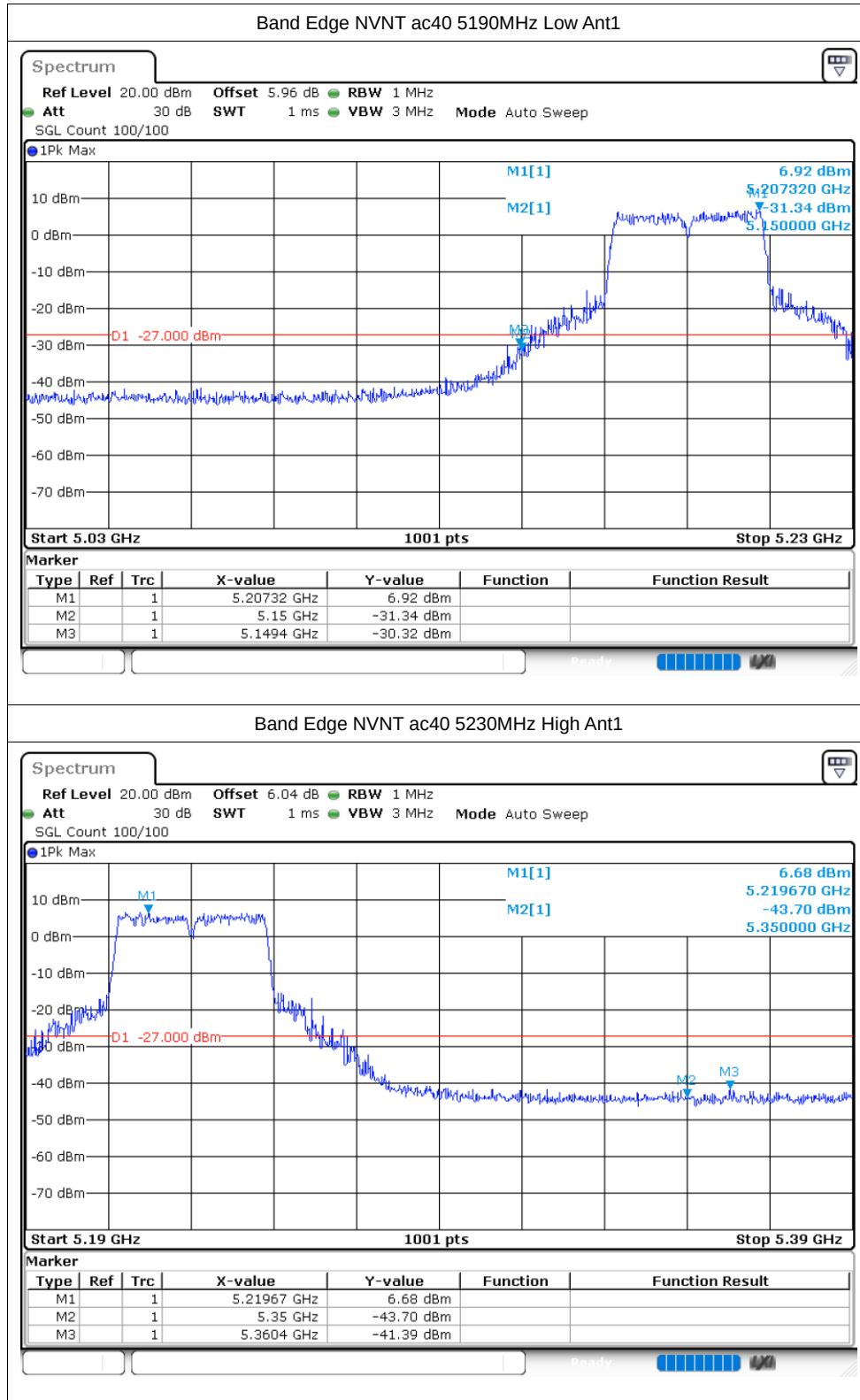
Band Edge NVNT a 5240MHz High Ant1

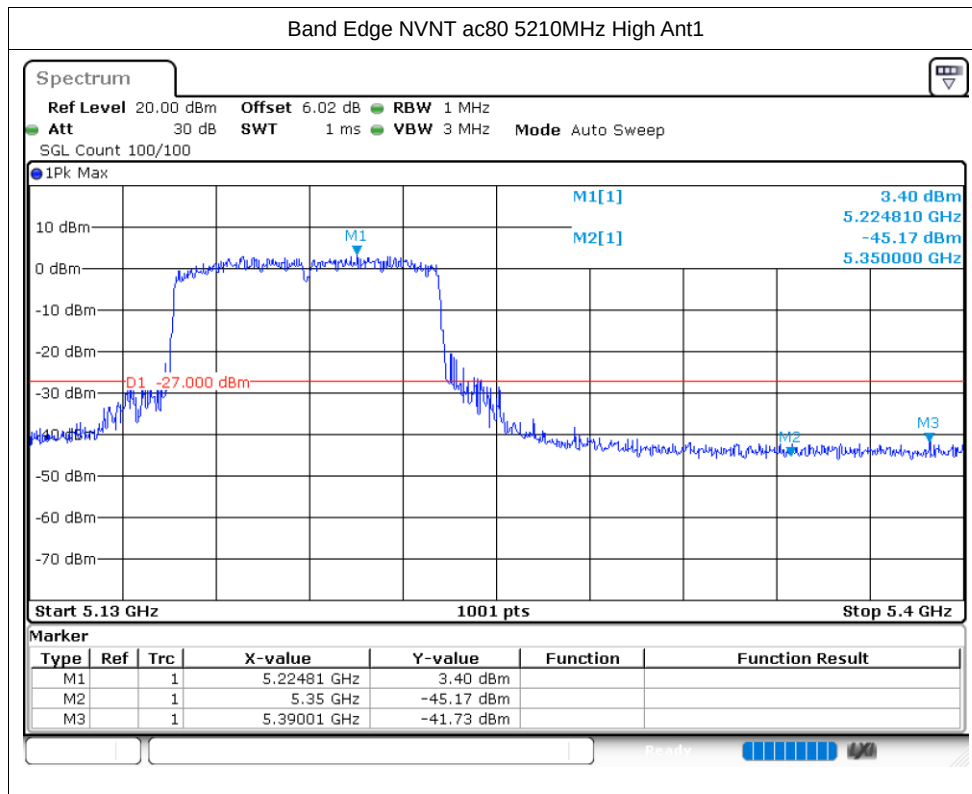










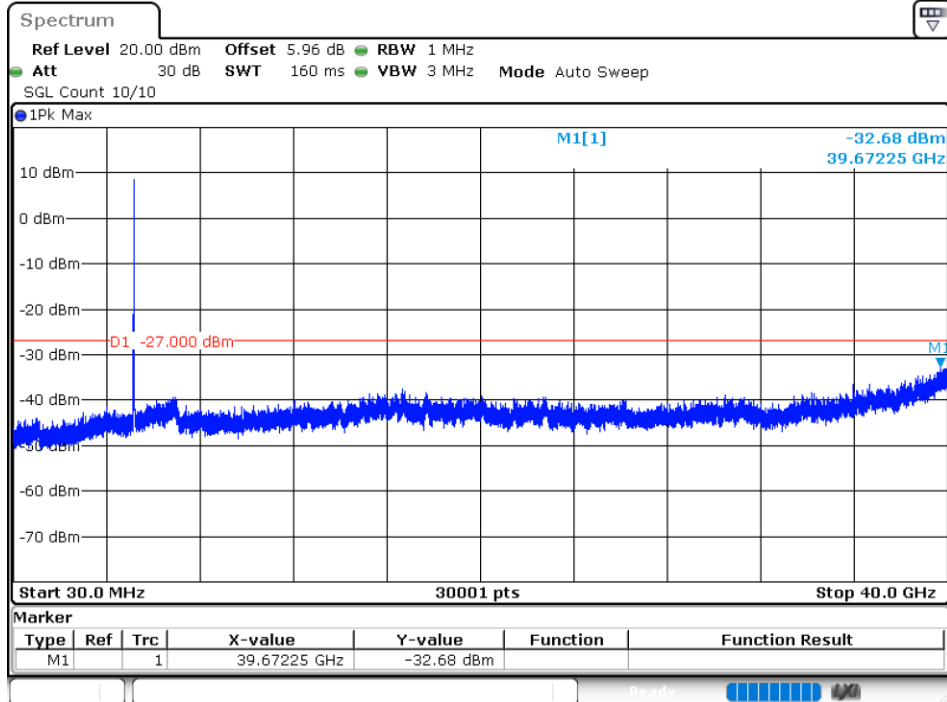


Conducted RF Spurious Emission

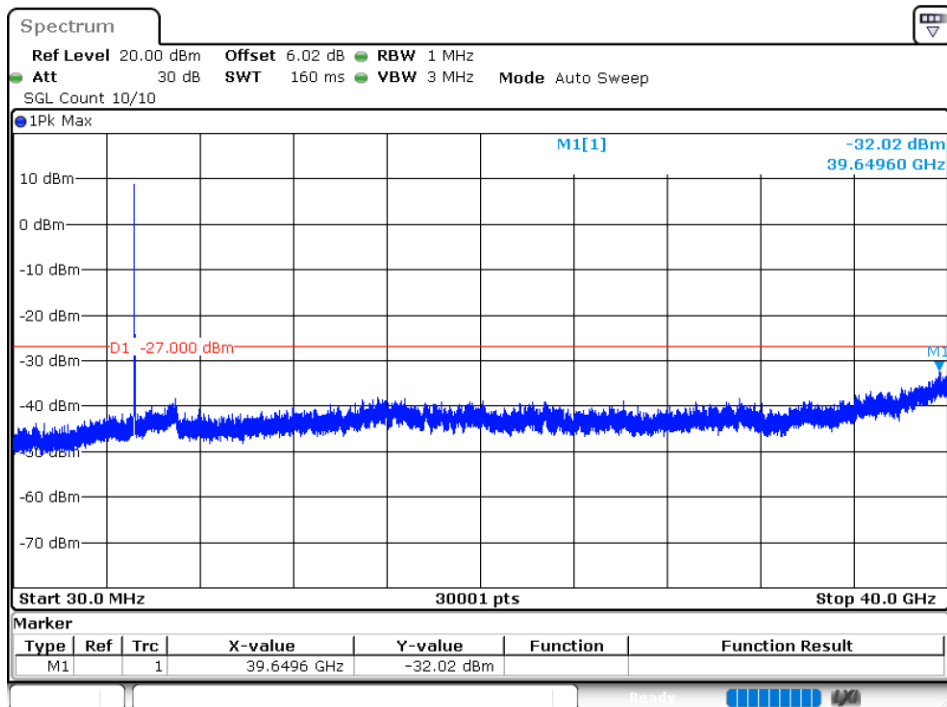
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.67	-27	Pass
NVNT	a	5200	Ant1	-32.01	-27	Pass
NVNT	a	5240	Ant1	-32.63	-27	Pass
NVNT	n20	5180	Ant1	-33.06	-27	Pass
NVNT	n20	5200	Ant1	-31.37	-27	Pass
NVNT	n20	5240	Ant1	-33.1	-27	Pass
NVNT	n40	5190	Ant1	-31.64	-27	Pass
NVNT	n40	5230	Ant1	-32.45	-27	Pass
NVNT	ac20	5180	Ant1	-32.61	-27	Pass
NVNT	ac20	5200	Ant1	-32.79	-27	Pass
NVNT	ac20	5240	Ant1	-33	-27	Pass
NVNT	ac40	5190	Ant1	-32.44	-27	Pass
NVNT	ac40	5230	Ant1	-32.38	-27	Pass
NVNT	ac80	5210	Ant1	-31.7	-27	Pass

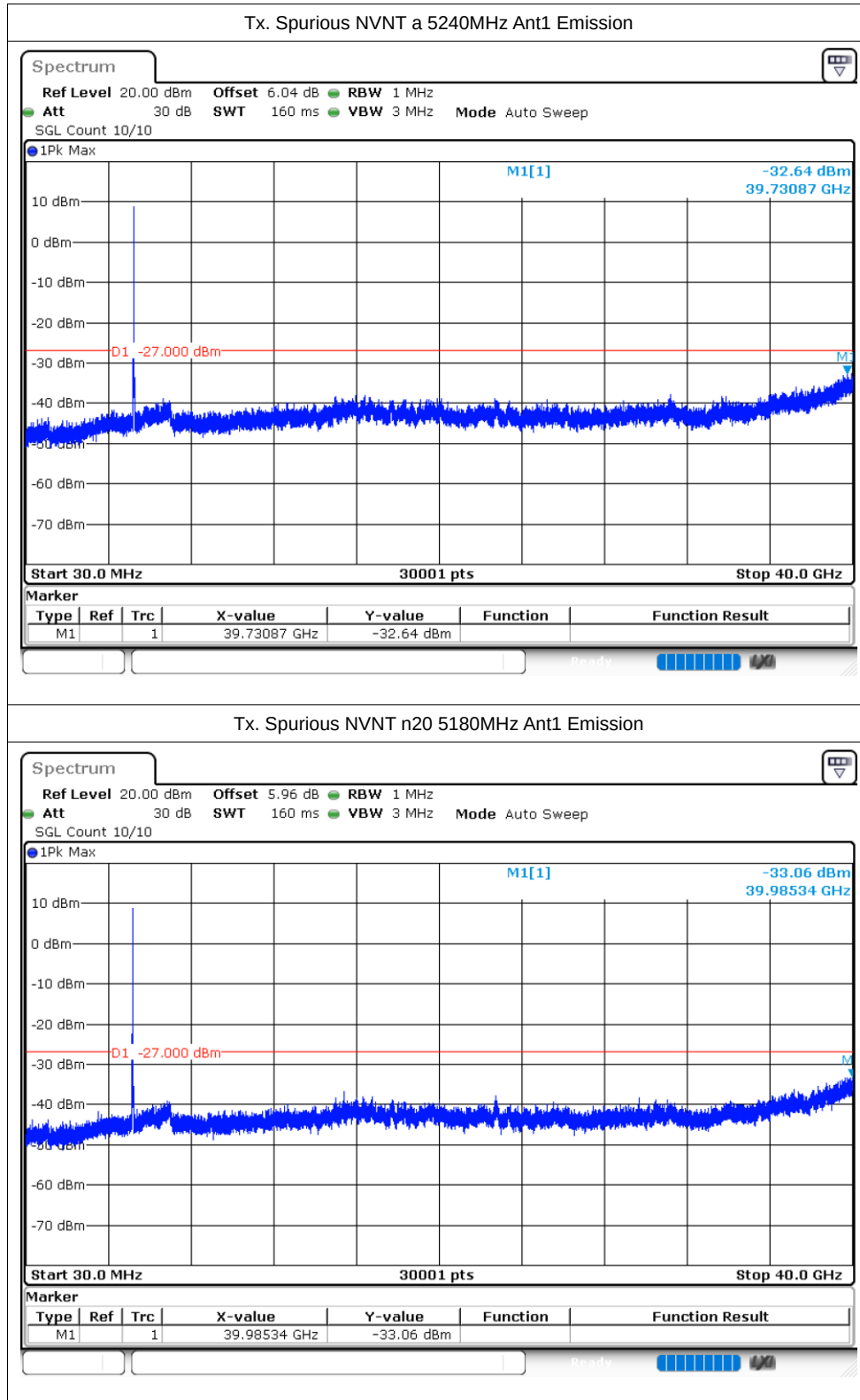
Test Graphs

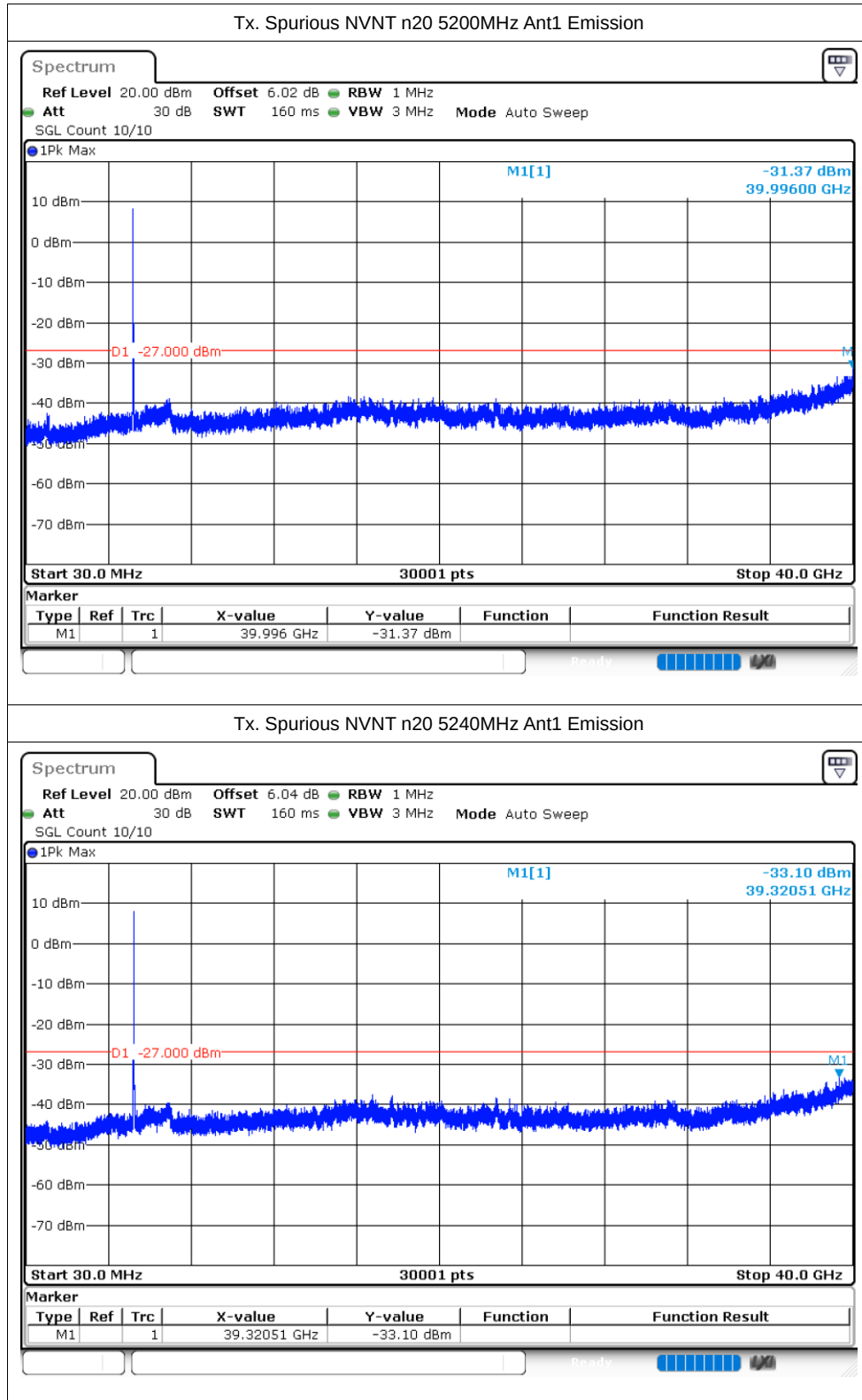
Tx. Spurious NVNT a 5180MHz Ant1 Emission

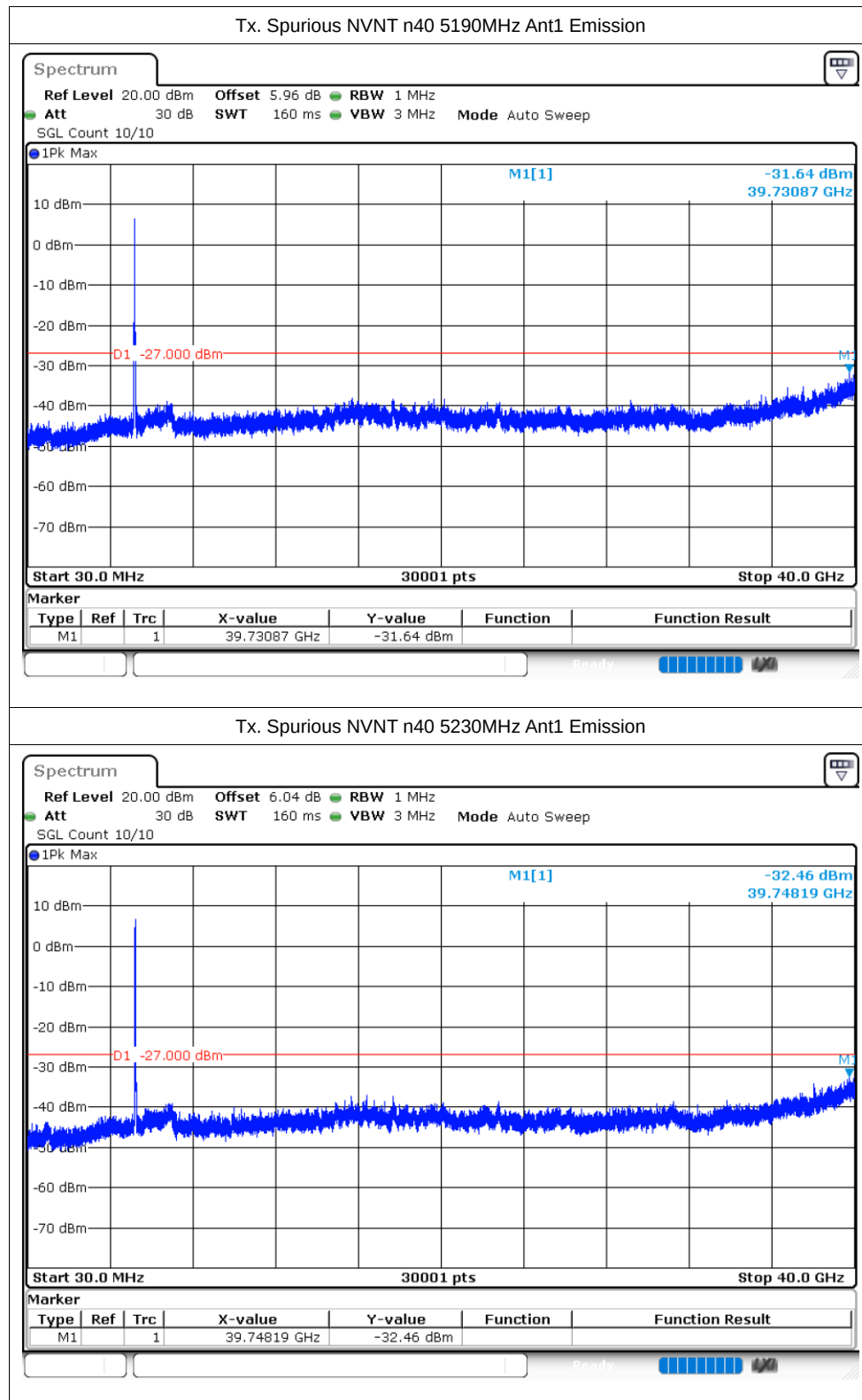


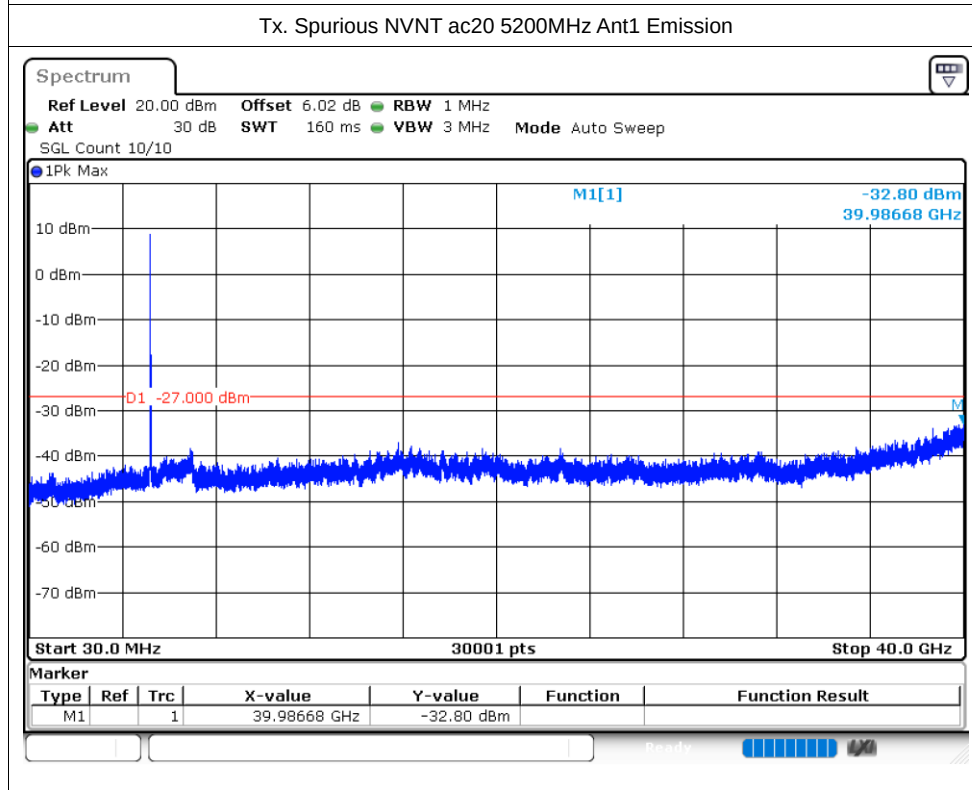
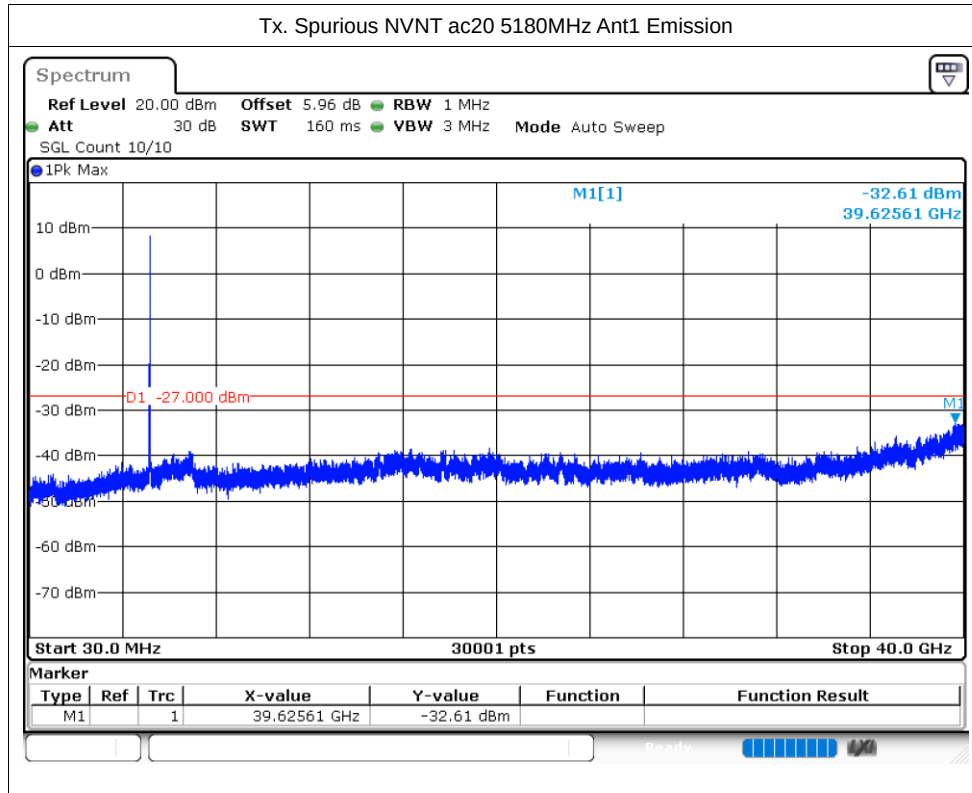
Tx. Spurious NVNT a 5200MHz Ant1 Emission

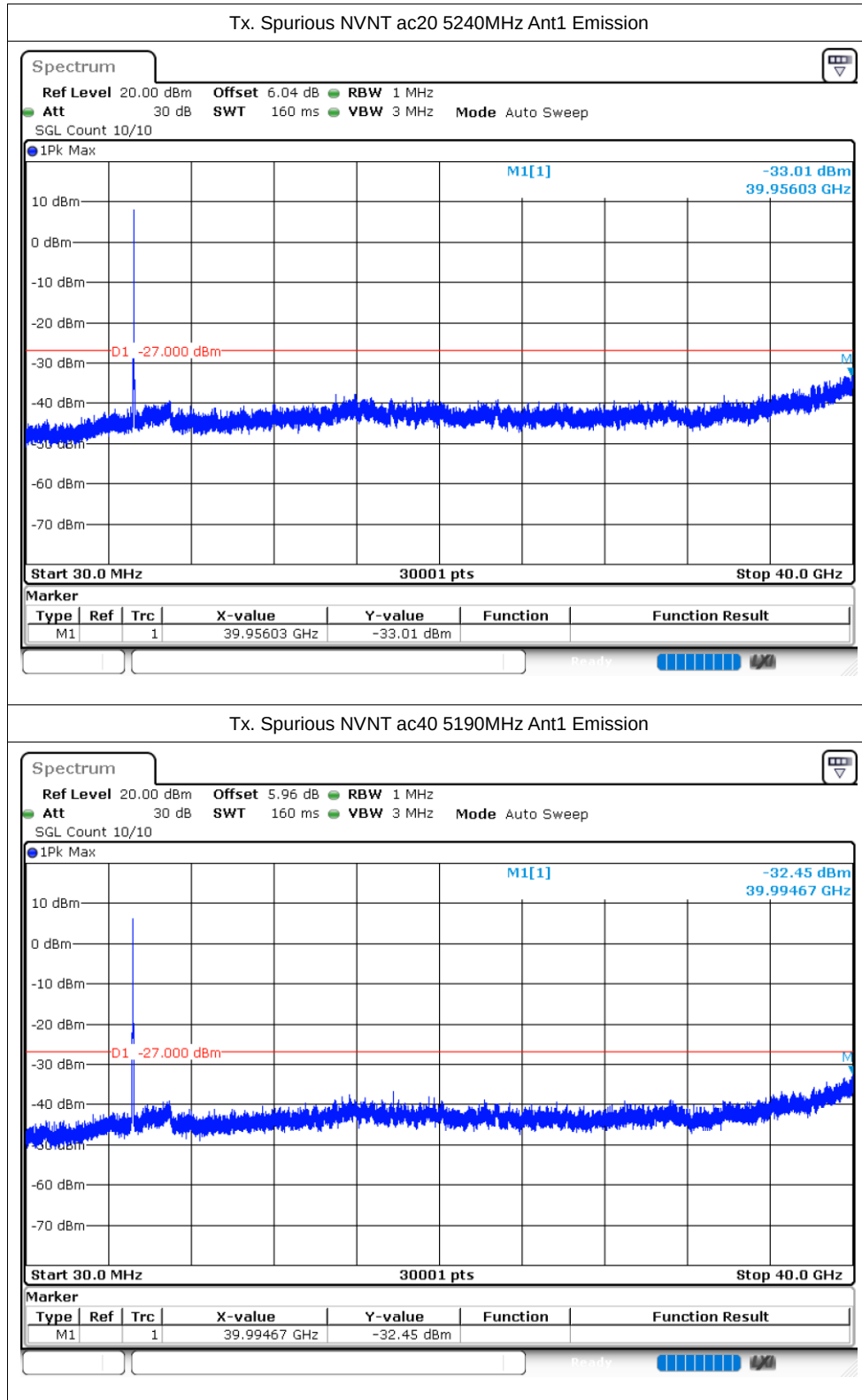


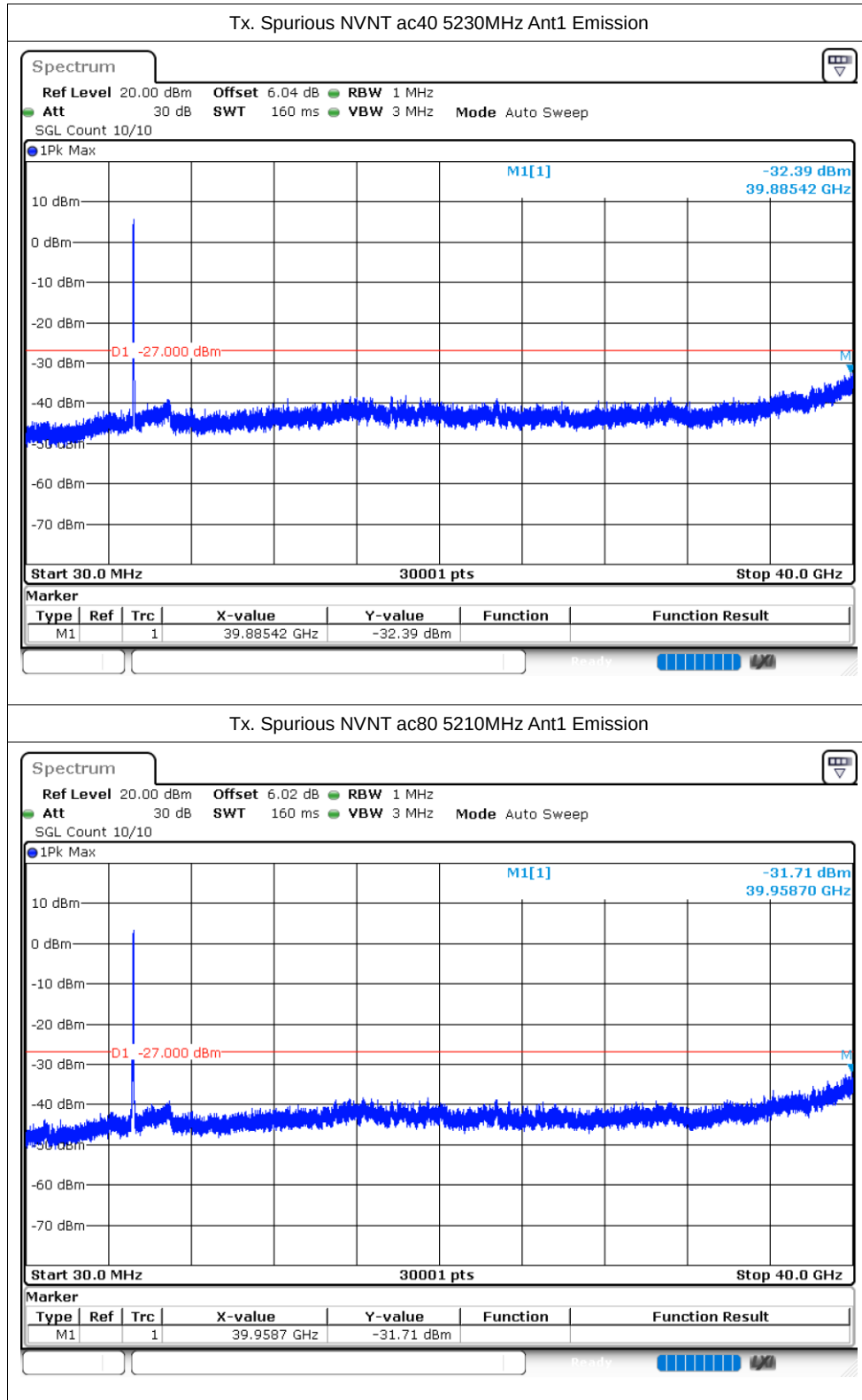












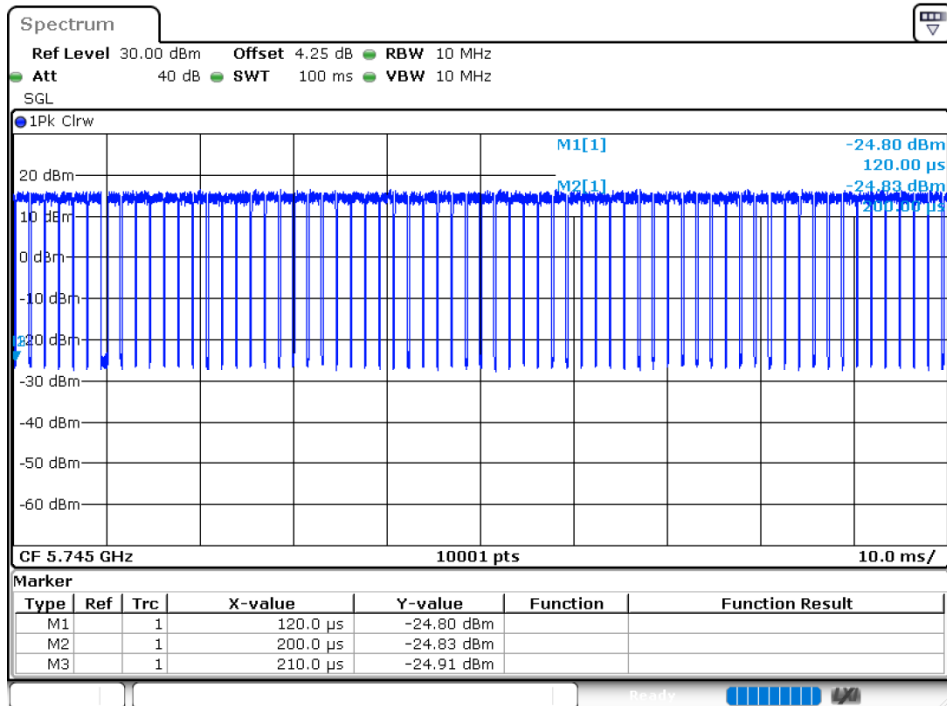
5.8G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	91.25	0.4	100
NVNT	a	5785	Ant1	88.8	0.52	0.74
NVNT	a	5825	Ant1	93.4	0.3	33.33
NVNT	n20	5745	Ant1	87.36	0.59	0.87
NVNT	n20	5785	Ant1	87.4	0.58	0.88
NVNT	n20	5825	Ant1	92.49	0.34	100
NVNT	n40	5755	Ant1	83.57	0.78	1.72
NVNT	n40	5795	Ant1	85.75	0.67	1.69
NVNT	ac20	5745	Ant1	90.82	0.42	100
NVNT	ac20	5785	Ant1	87.32	0.59	0.86
NVNT	ac20	5825	Ant1	93.23	0.3	100
NVNT	ac40	5755	Ant1	85.68	0.67	100
NVNT	ac40	5795	Ant1	86.68	0.62	100
NVNT	ac80	5775	Ant1	63.61	1.96	3.45

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1

