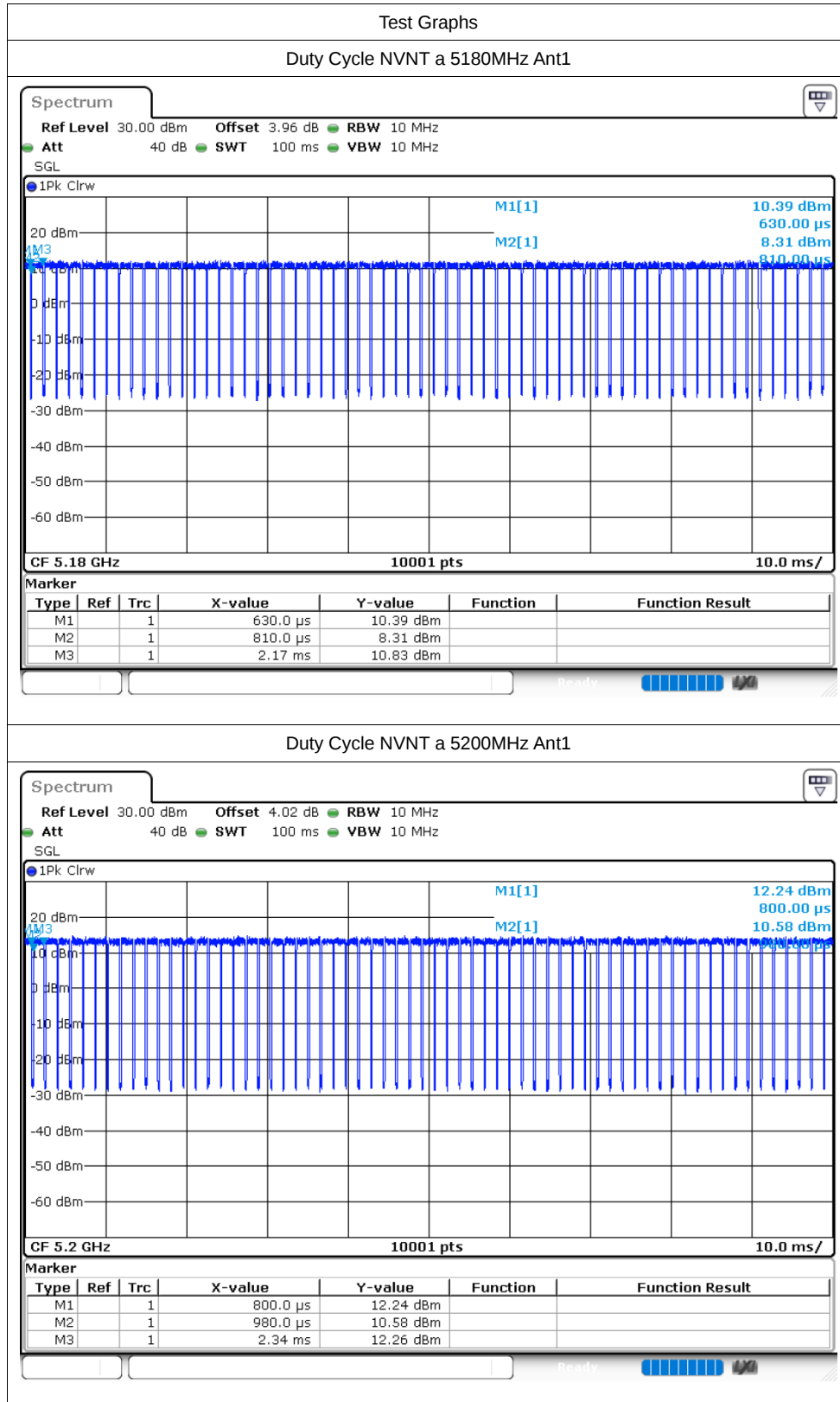
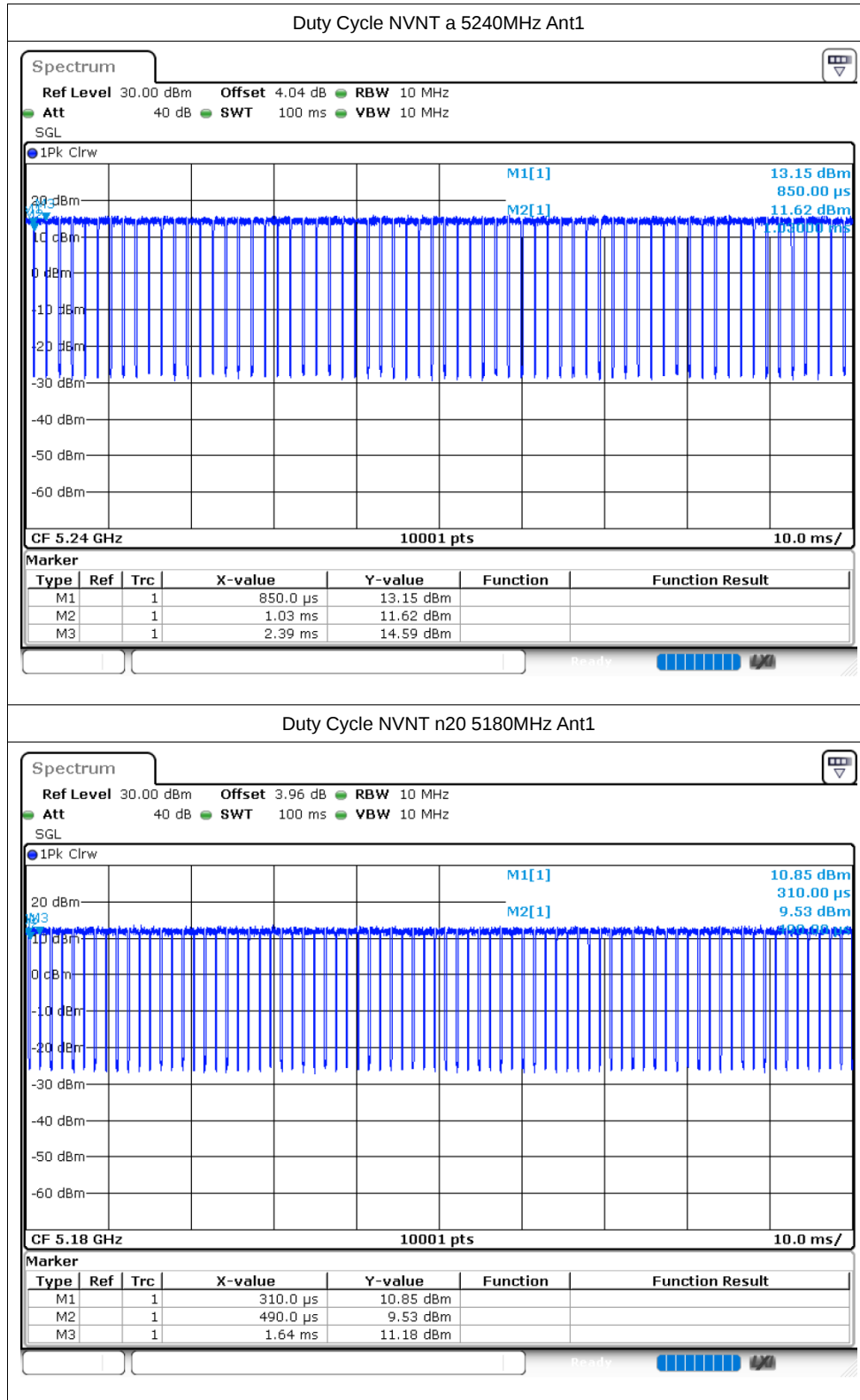


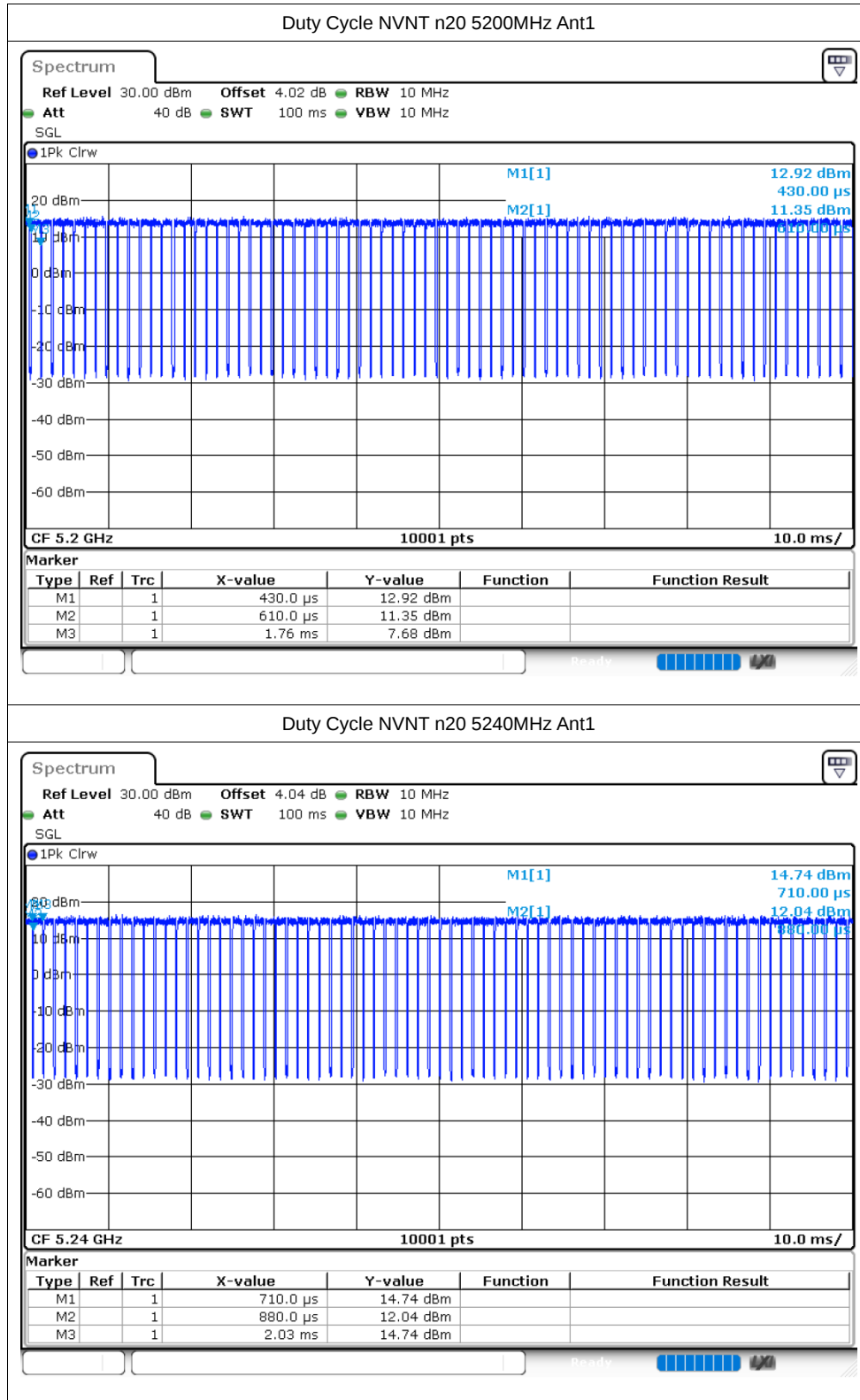
WIFI 5.2G:

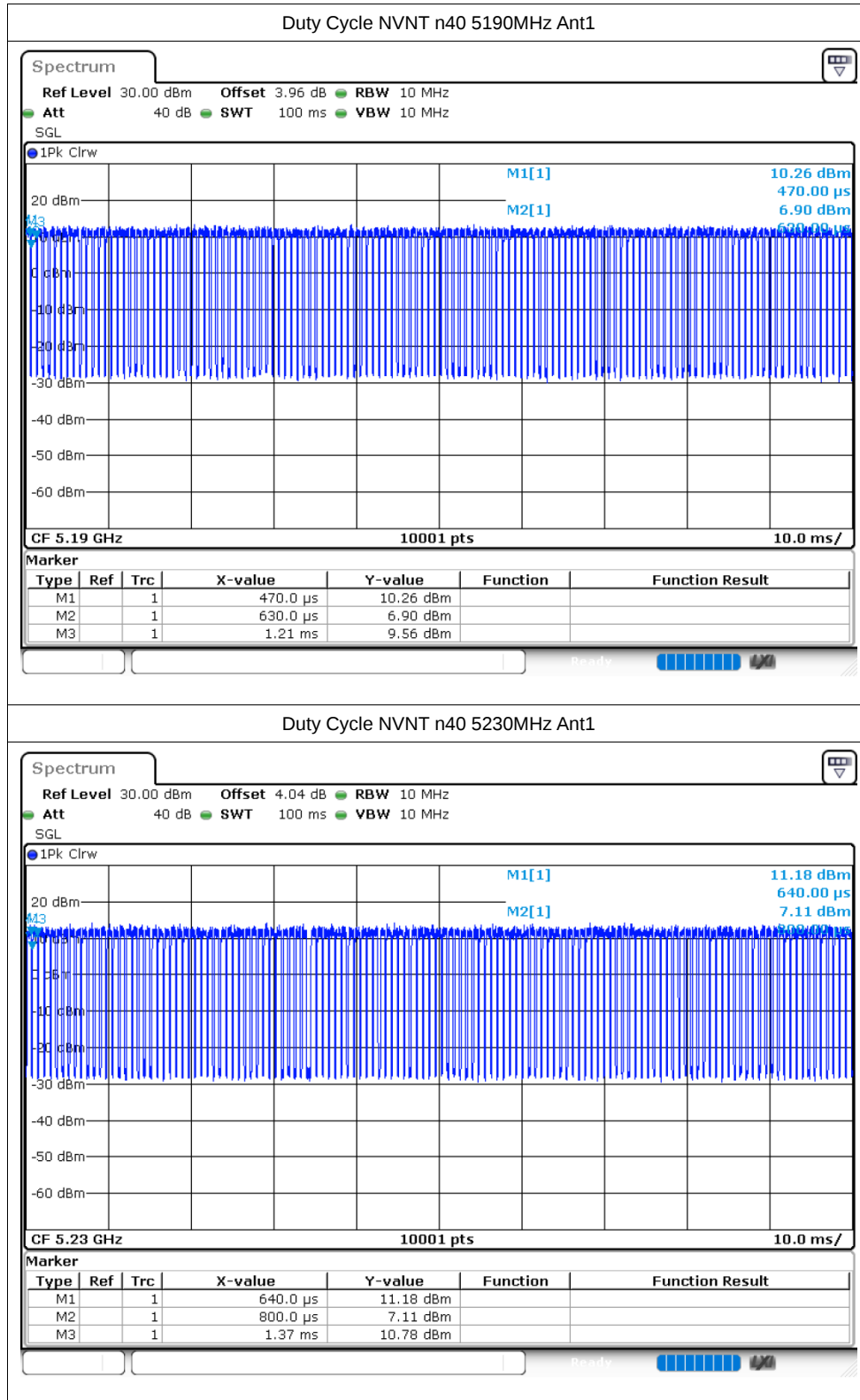
Duty Cycle

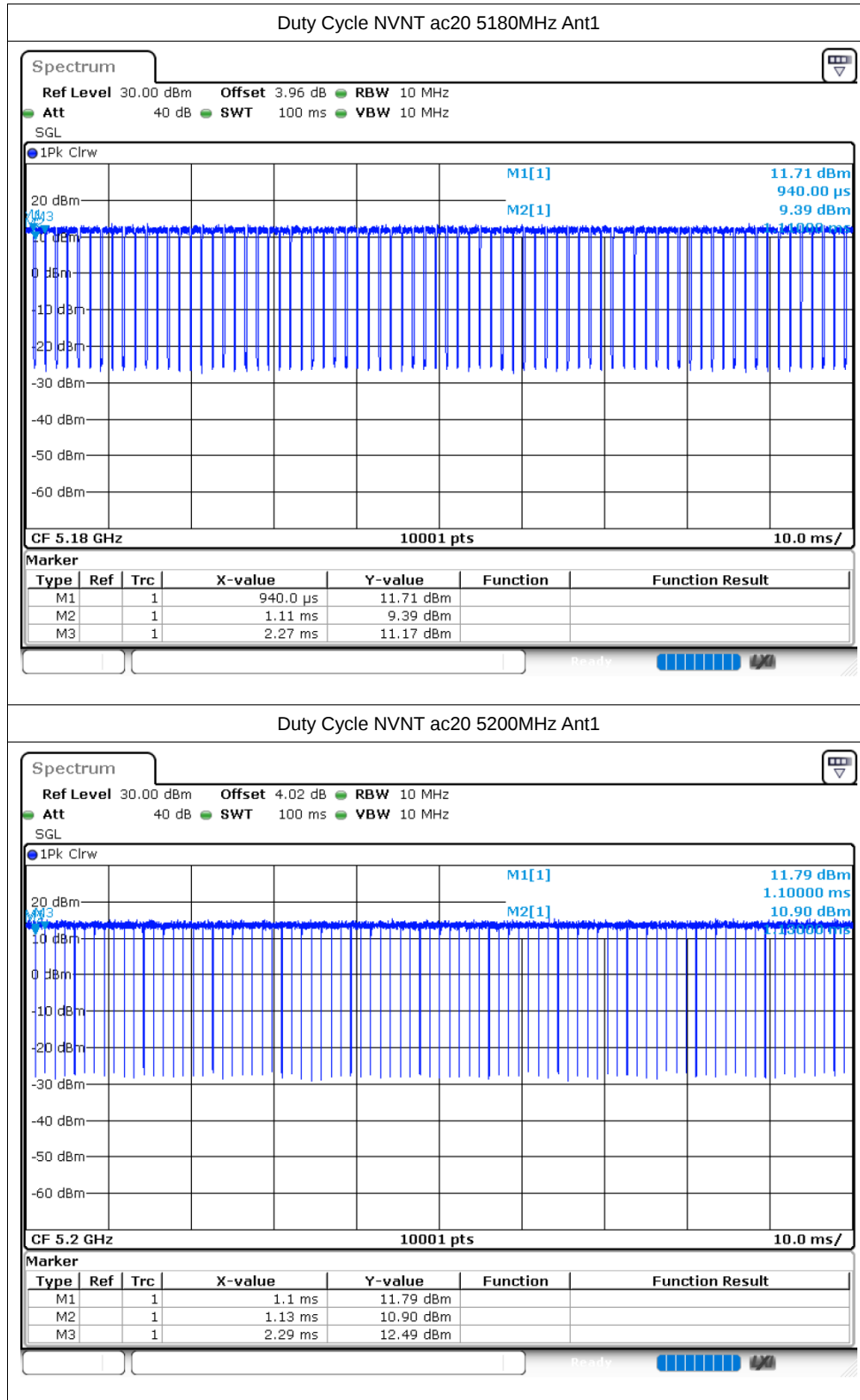
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	88.11	0.55	0.74
NVNT	a	5200	Ant1	88.11	0.55	0.74
NVNT	a	5240	Ant1	88.04	0.55	0.74
NVNT	n20	5180	Ant1	87.2	0.59	0.87
NVNT	n20	5200	Ant1	87.37	0.59	0.87
NVNT	n20	5240	Ant1	86.94	0.61	0.87
NVNT	n40	5190	Ant1	77.35	1.12	1.72
NVNT	n40	5230	Ant1	76.83	1.14	1.75
NVNT	ac20	5180	Ant1	86.91	0.61	0.86
NVNT	ac20	5200	Ant1	97.72	0.1	0.86
NVNT	ac20	5240	Ant1	86.91	0.61	0.87
NVNT	ac40	5190	Ant1	76.84	1.14	1.72
NVNT	ac40	5230	Ant1	77.28	1.12	1.72
NVNT	ac80	5210	Ant1	63.35	1.98	3.57

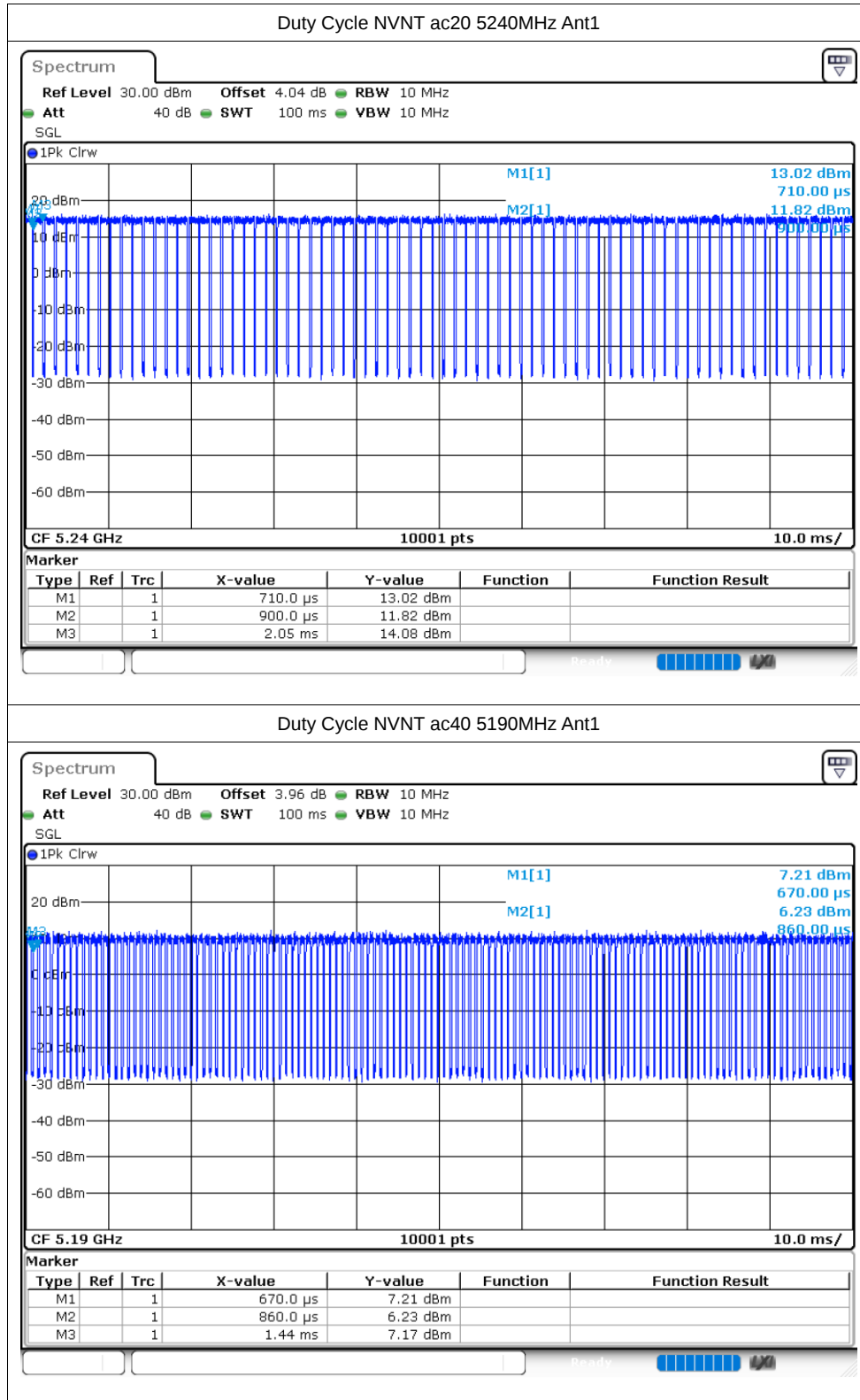


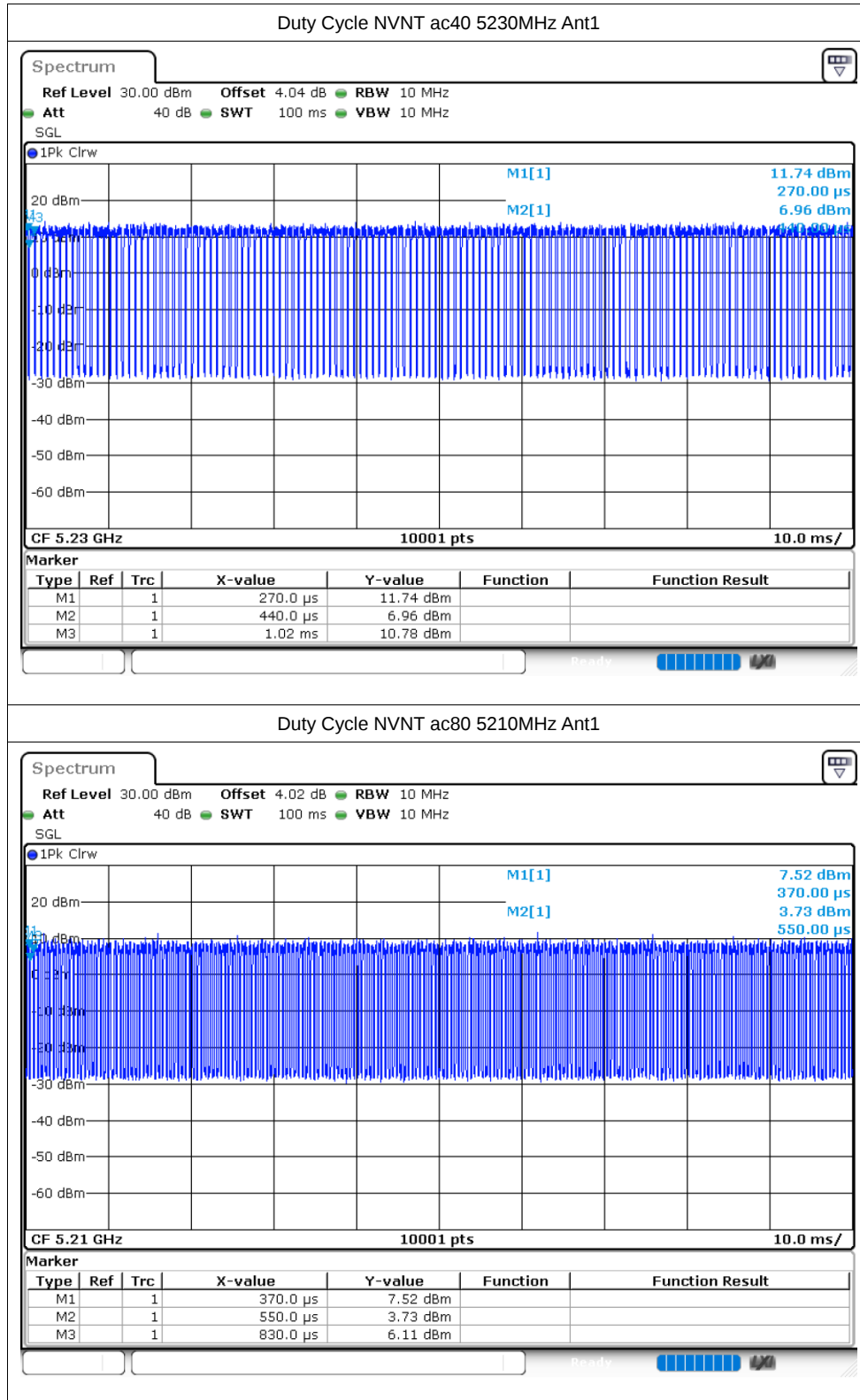












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	7.01	24	Pass
NVNT	a	5200	Ant1	6.8	24	Pass
NVNT	a	5240	Ant1	6.39	24	Pass
NVNT	n20	5180	Ant1	6.95	24	Pass
NVNT	n20	5200	Ant1	6.84	24	Pass
NVNT	n20	5240	Ant1	6.43	24	Pass
NVNT	n40	5190	Ant1	7.39	24	Pass
NVNT	n40	5230	Ant1	6.93	24	Pass
NVNT	ac20	5180	Ant1	7.01	24	Pass
NVNT	ac20	5200	Ant1	6.76	24	Pass
NVNT	ac20	5240	Ant1	6.54	24	Pass
NVNT	ac40	5190	Ant1	7.19	24	Pass
NVNT	ac40	5230	Ant1	6.92	24	Pass
NVNT	ac80	5210	Ant1	6.65	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	28.575	0.5	Pass
NVNT	a	5200	Ant1	24.786	0.5	Pass
NVNT	a	5240	Ant1	26.022	0.5	Pass
NVNT	n20	5180	Ant1	29.631	0.5	Pass
NVNT	n20	5200	Ant1	30	0.5	Pass
NVNT	n20	5240	Ant1	28.941	0.5	Pass
NVNT	n40	5190	Ant1	59.046	0.5	Pass
NVNT	n40	5230	Ant1	47.946	0.5	Pass
NVNT	ac20	5180	Ant1	29.538	0.5	Pass
NVNT	ac20	5200	Ant1	27.588	0.5	Pass
NVNT	ac20	5240	Ant1	29.121	0.5	Pass
NVNT	ac40	5190	Ant1	50.394	0.5	Pass
NVNT	ac40	5230	Ant1	47.814	0.5	Pass
NVNT	ac80	5210	Ant1	98.772	0.5	Pass

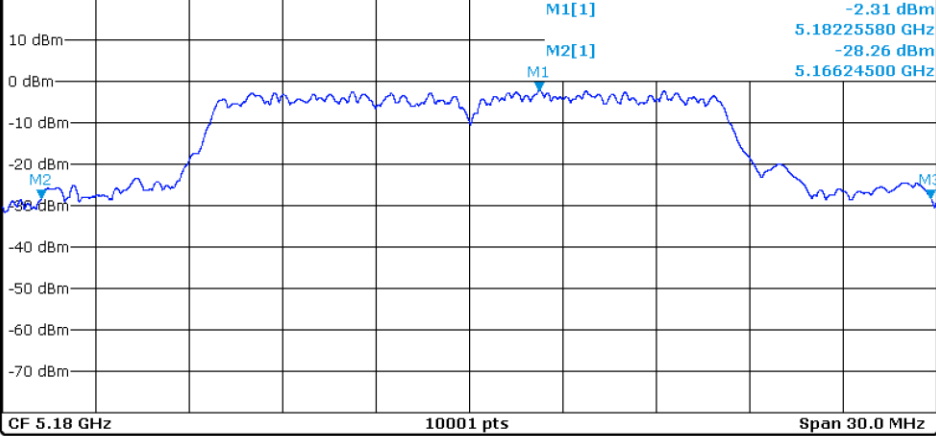
Test Graphs

-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

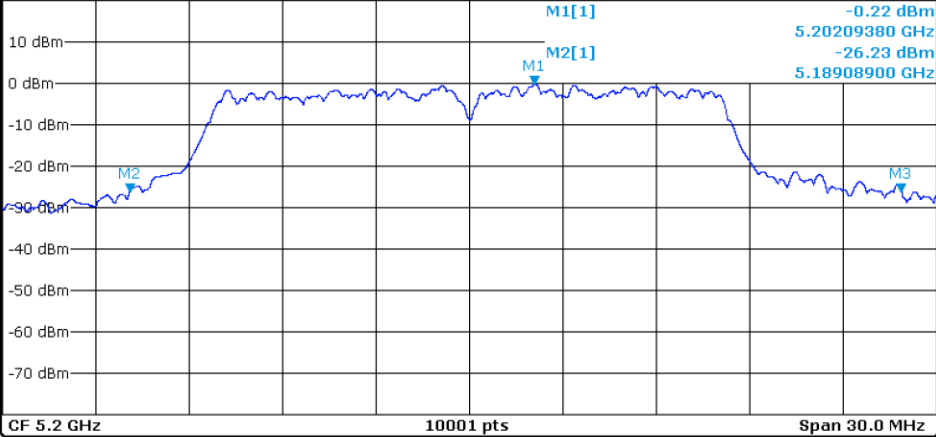
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1822558 GHz	-2.31 dBm		
M2		1	5.166245 GHz	-28.26 dBm		
M3		1	5.19482 GHz	-28.27 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

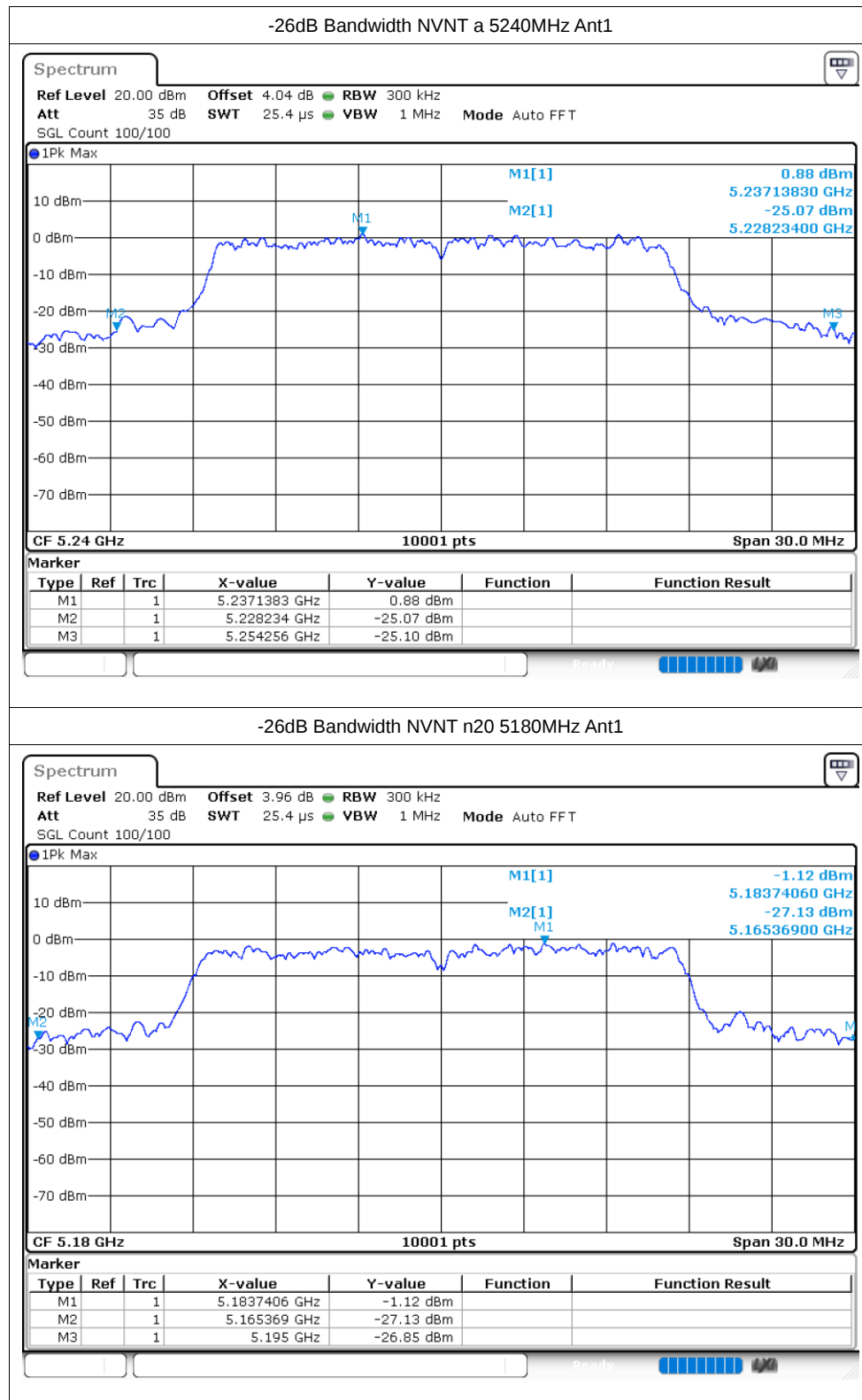
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
 Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
 SGL Count 100/100

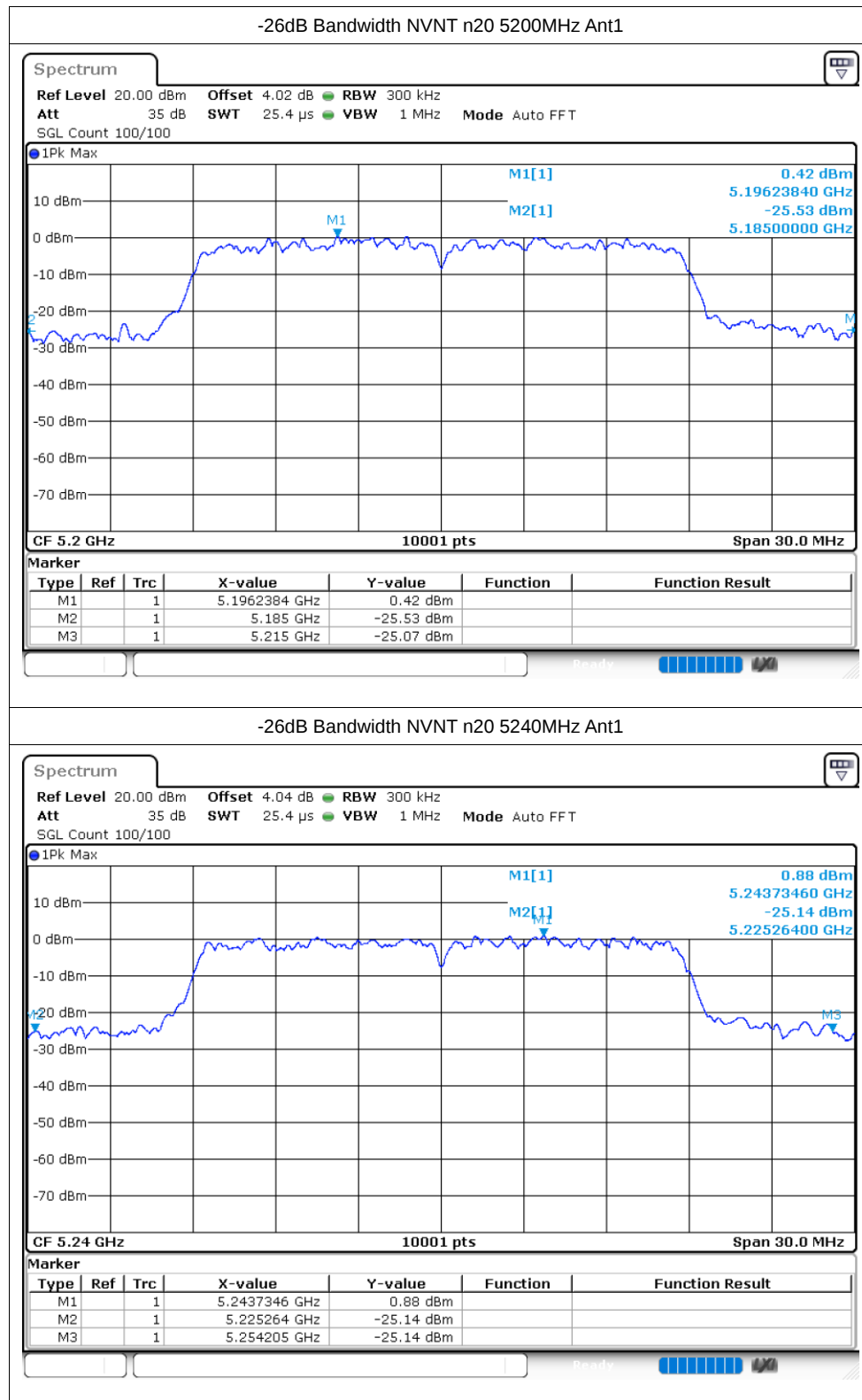
1Pk Max

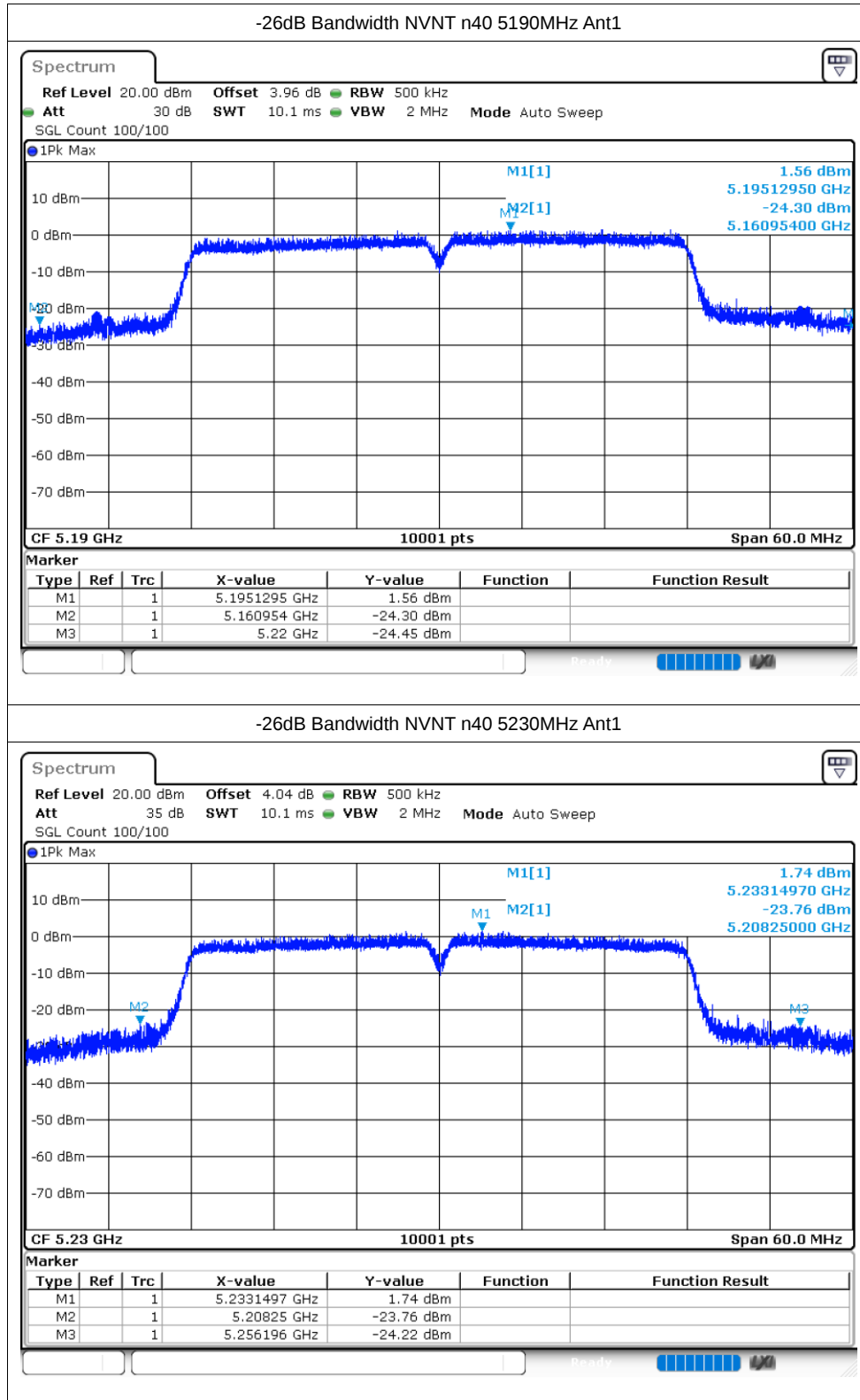


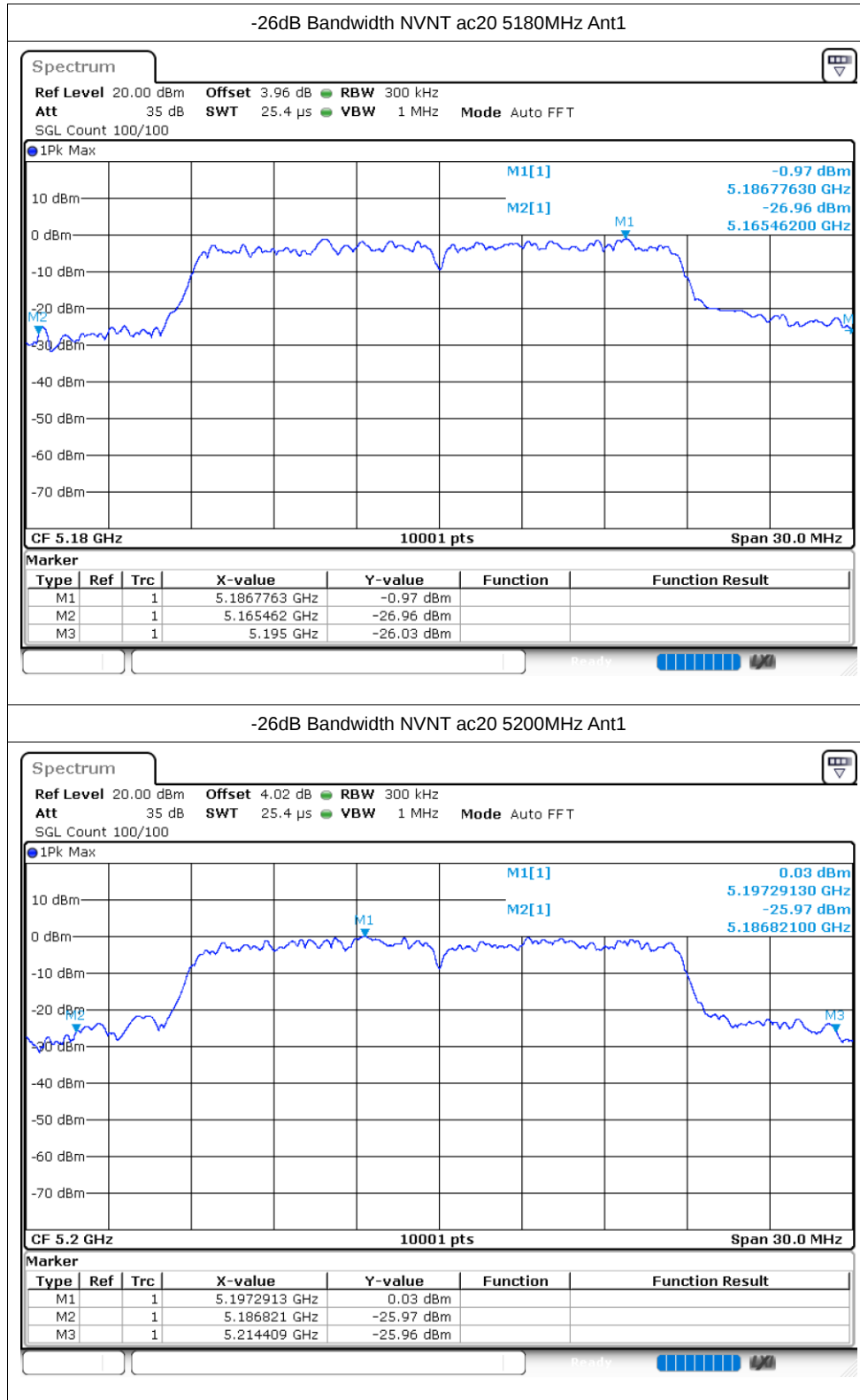
Marker

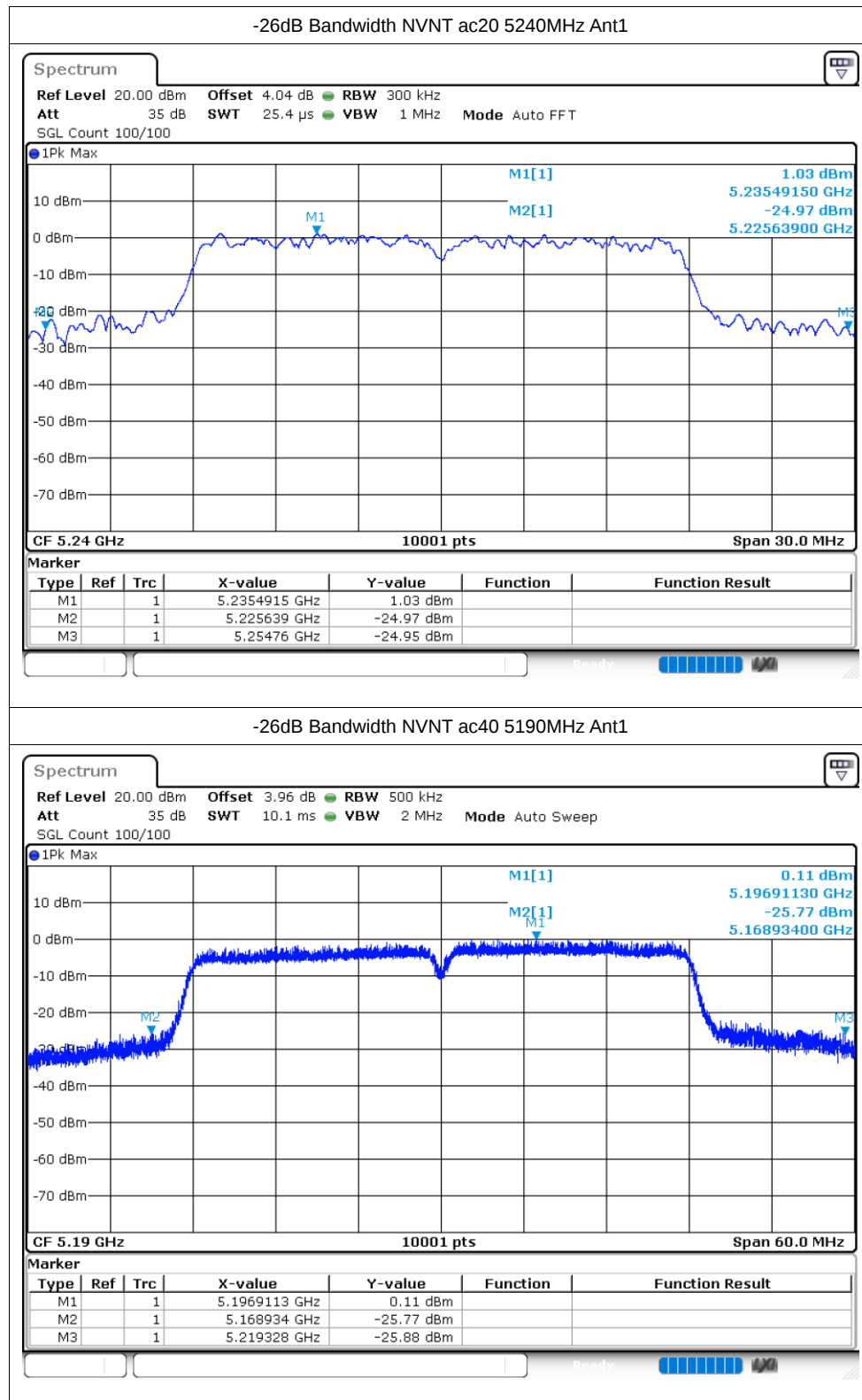
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2020938 GHz	-0.22 dBm		
M2		1	5.189089 GHz	-26.23 dBm		
M3		1	5.213875 GHz	-26.19 dBm		

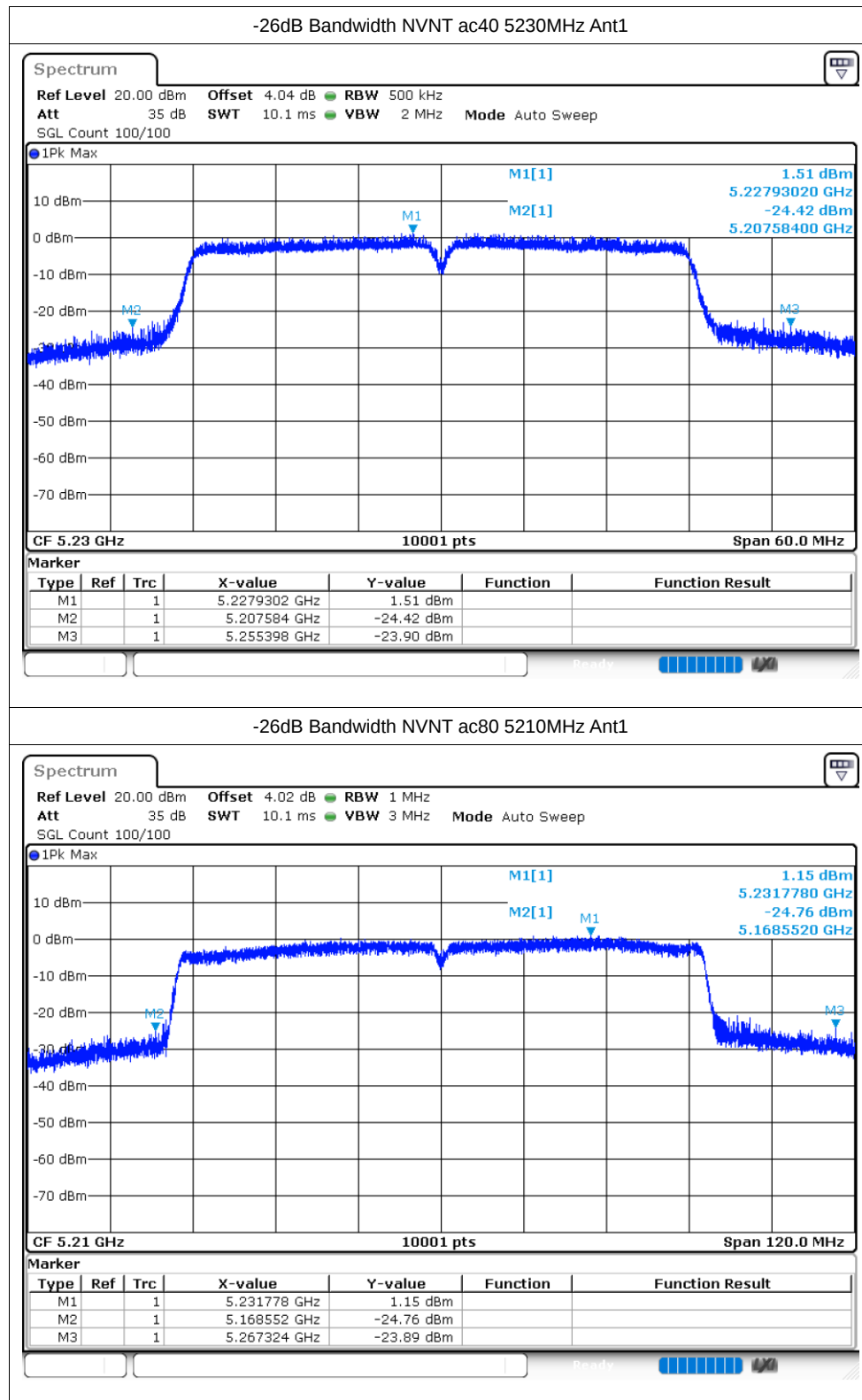










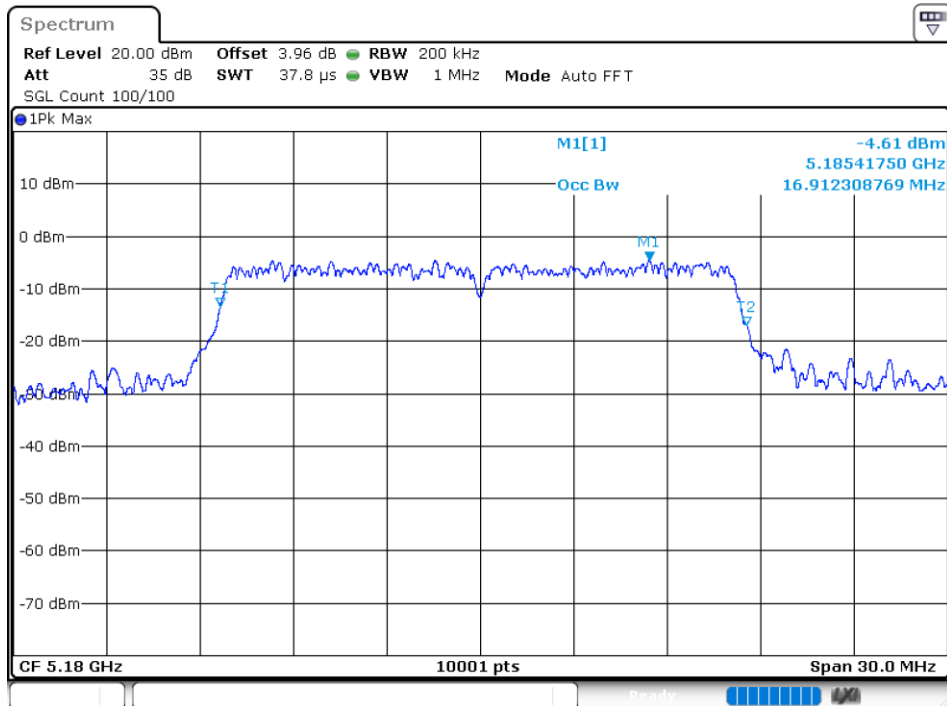


Occupied Channel Bandwidth

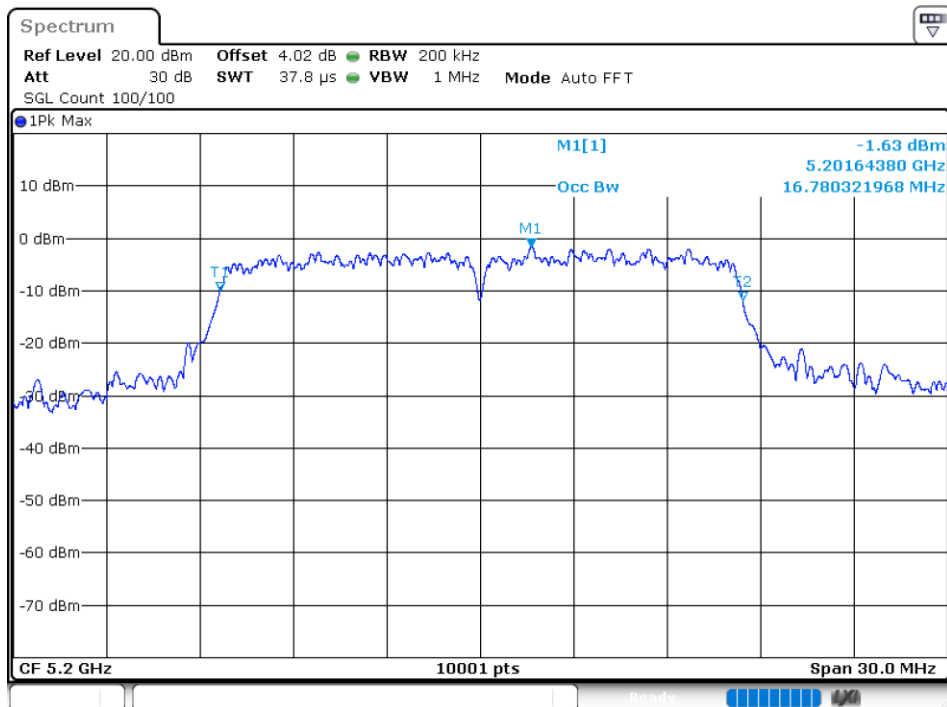
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.912
NVNT	a	5200	Ant1	16.78
NVNT	a	5240	Ant1	16.657
NVNT	n20	5180	Ant1	17.869
NVNT	n20	5200	Ant1	17.746
NVNT	n20	5240	Ant1	17.719
NVNT	n40	5190	Ant1	36.458
NVNT	n40	5230	Ant1	36.128
NVNT	ac20	5180	Ant1	17.785
NVNT	ac20	5200	Ant1	17.677
NVNT	ac20	5240	Ant1	17.695
NVNT	ac40	5190	Ant1	36.212
NVNT	ac40	5230	Ant1	36.134
NVNT	ac80	5210	Ant1	75.448

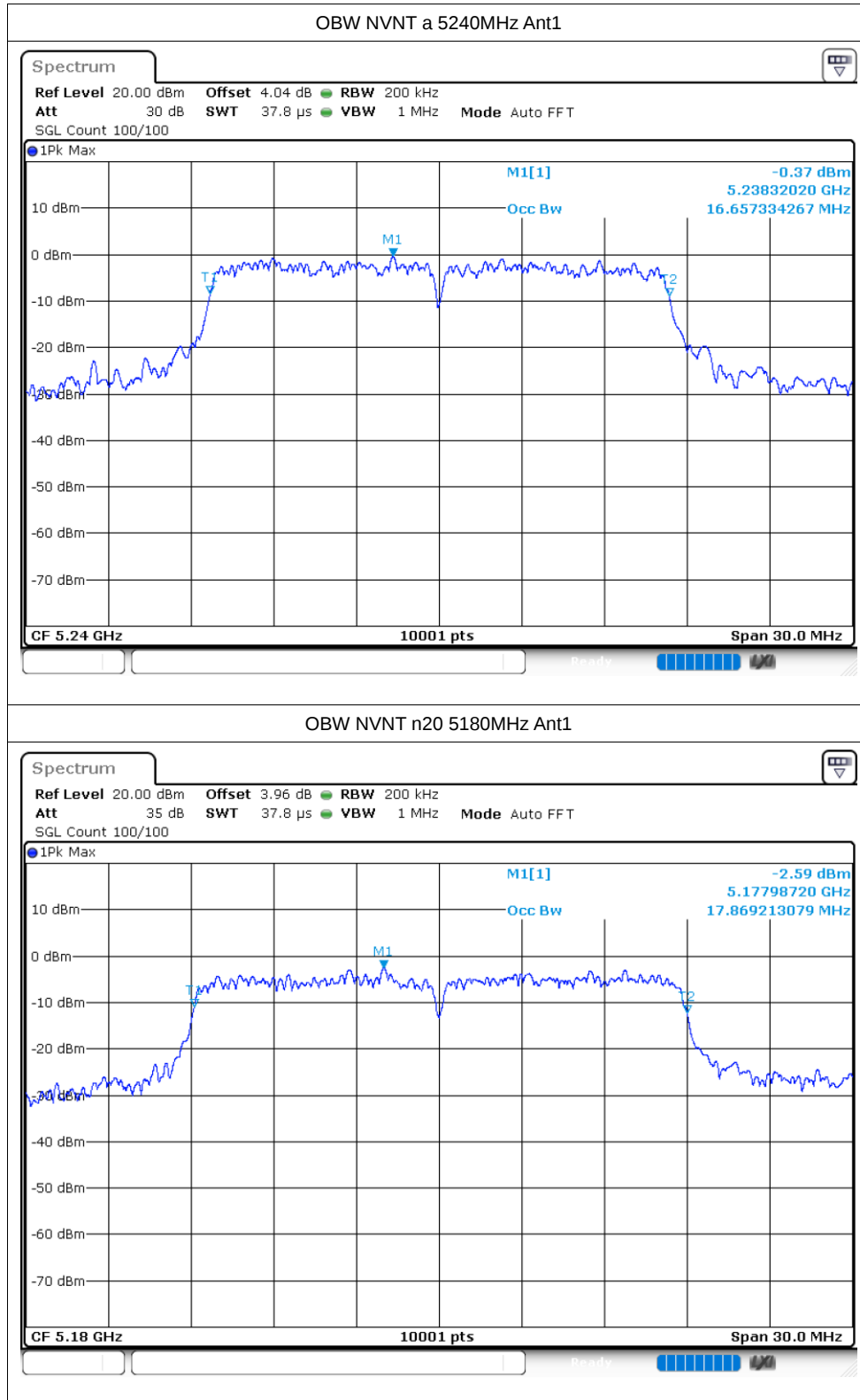
Test Graphs

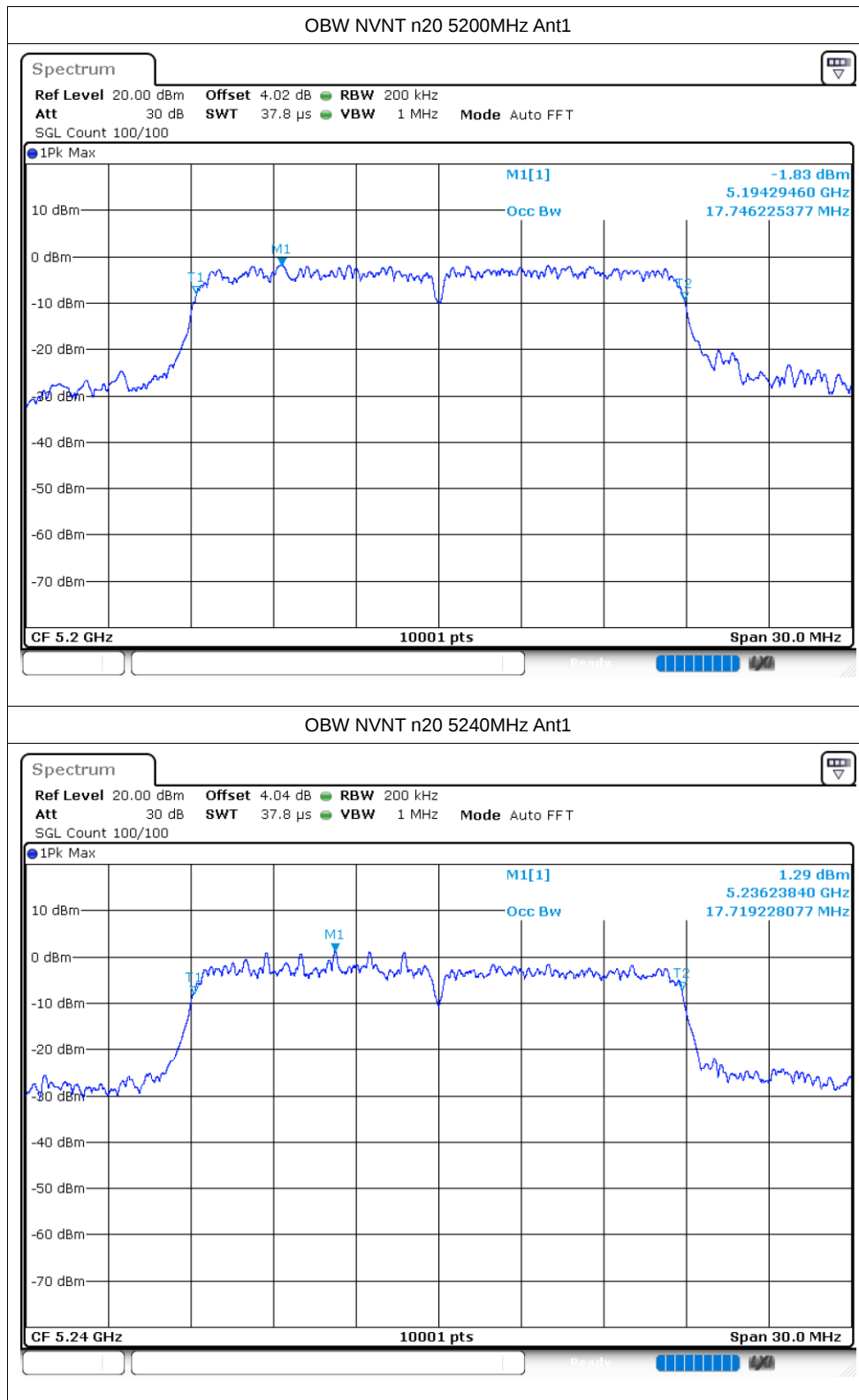
OBW NVNT a 5180MHz Ant1

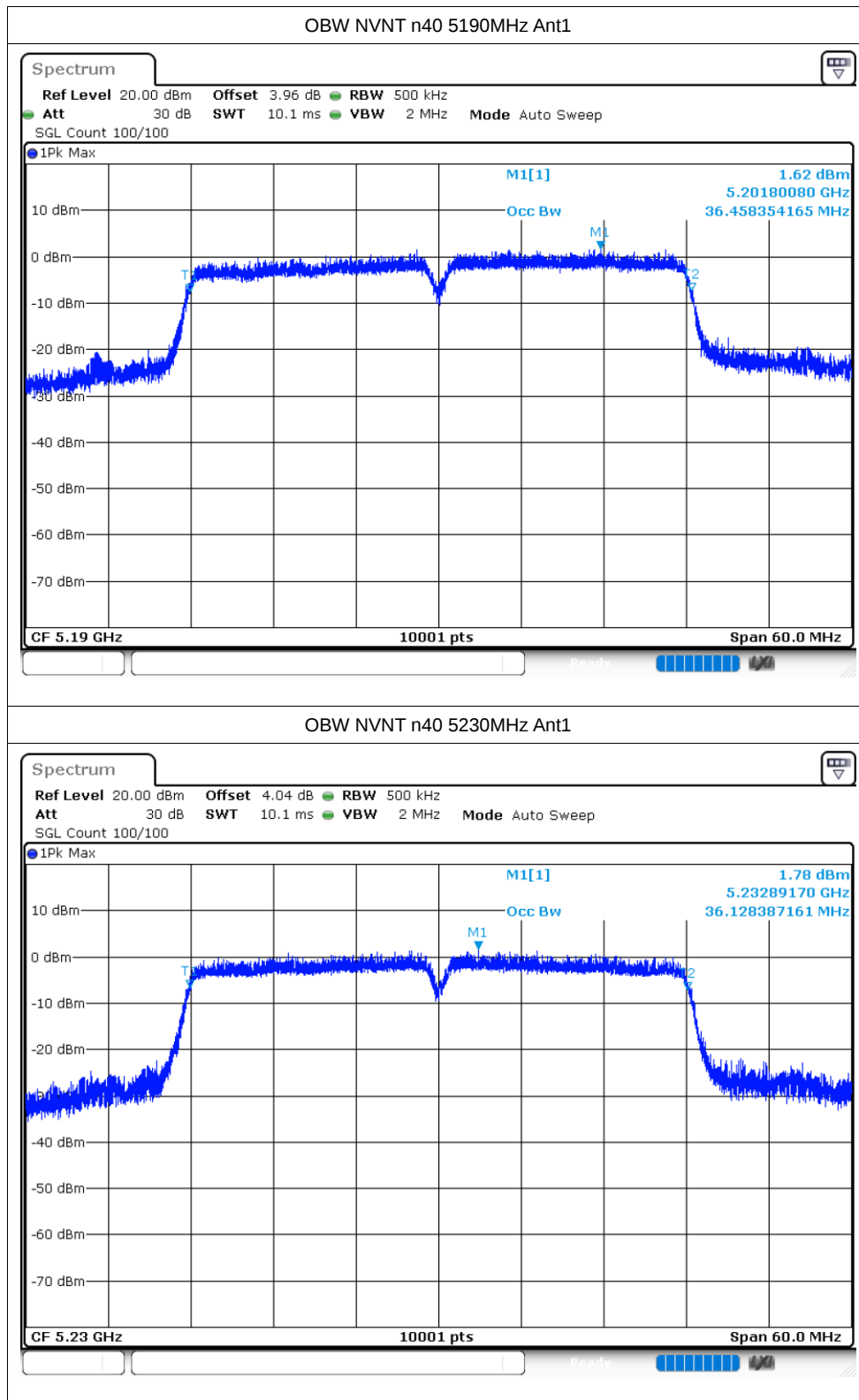


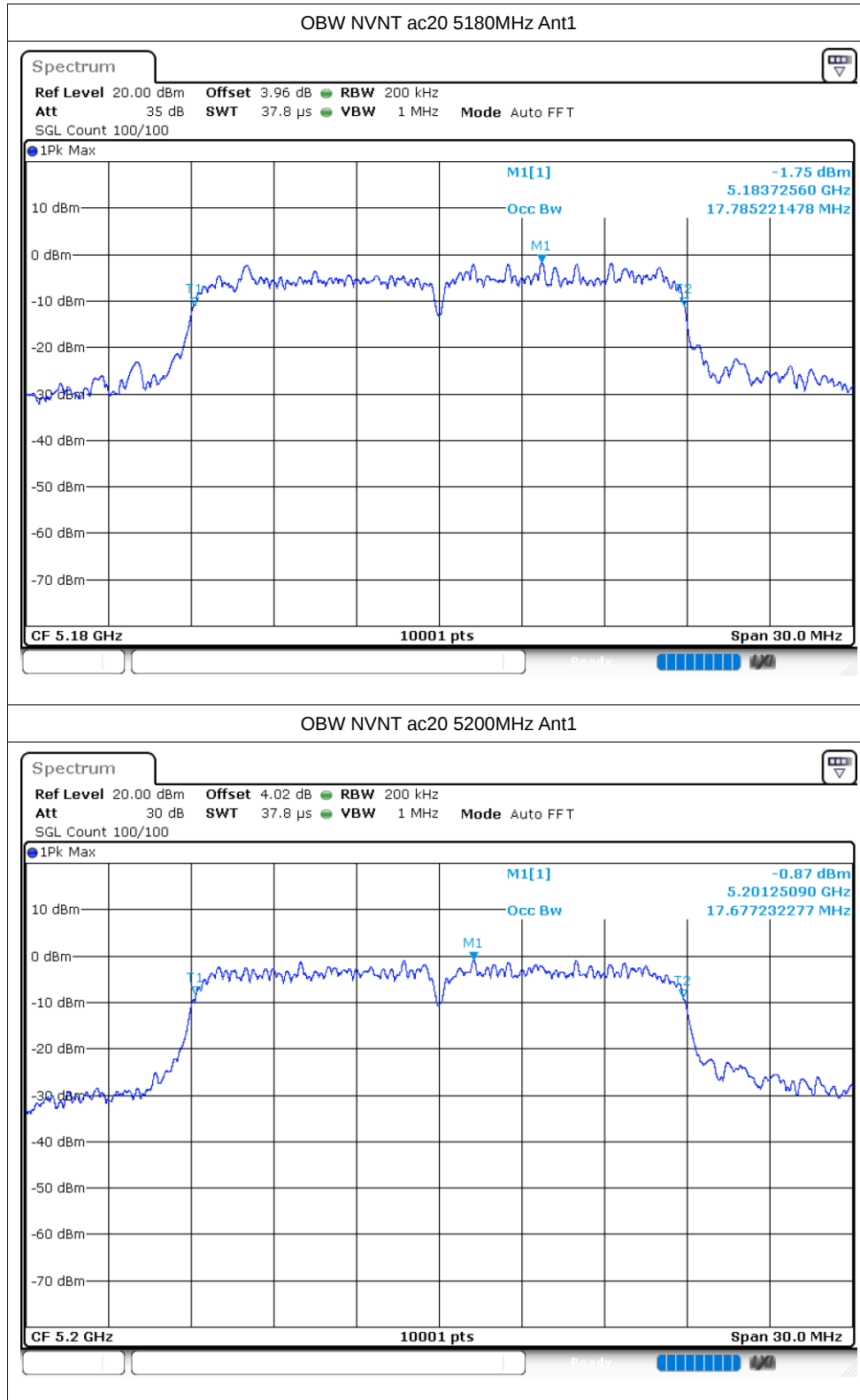
OBW NVNT a 5200MHz Ant1

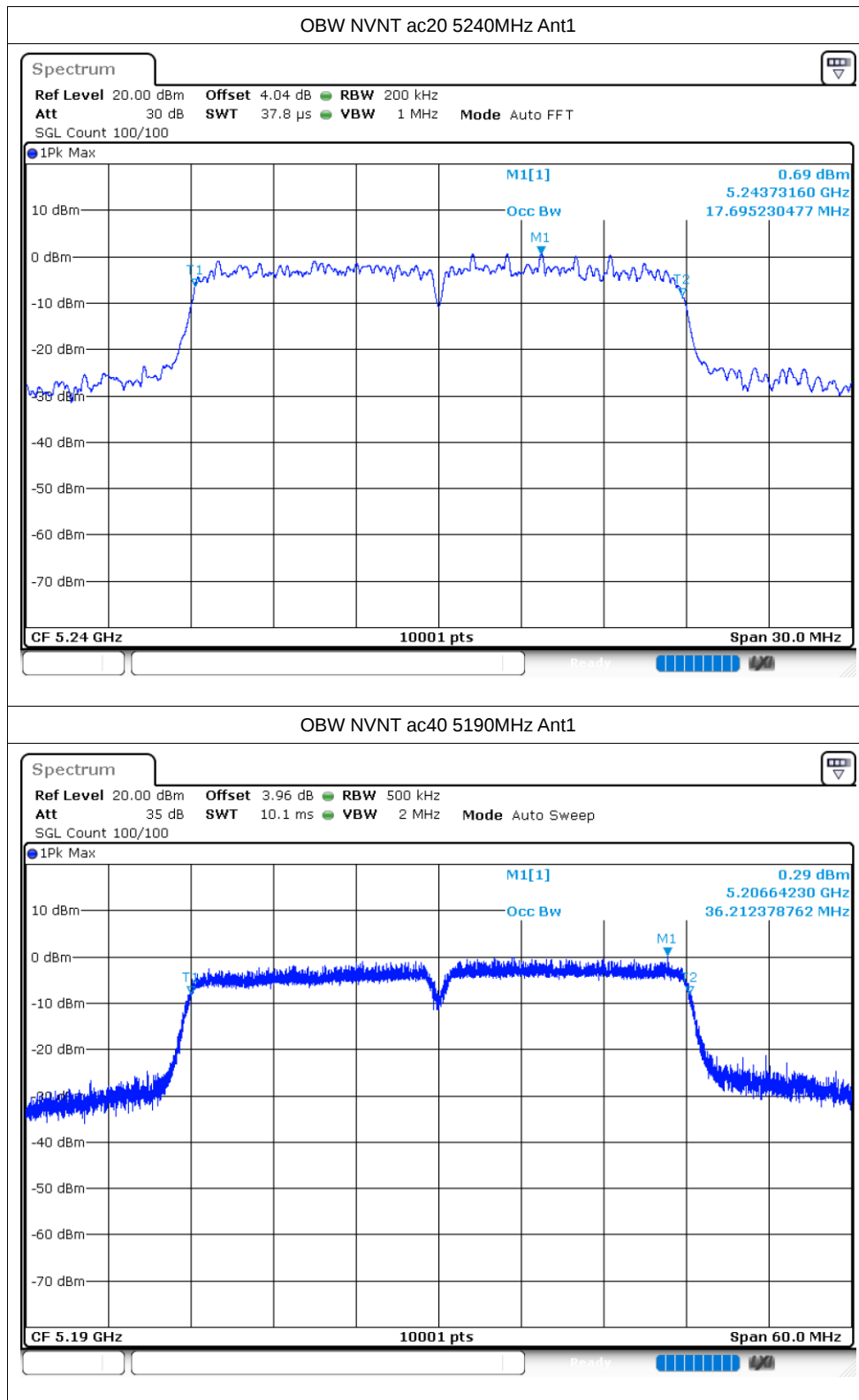


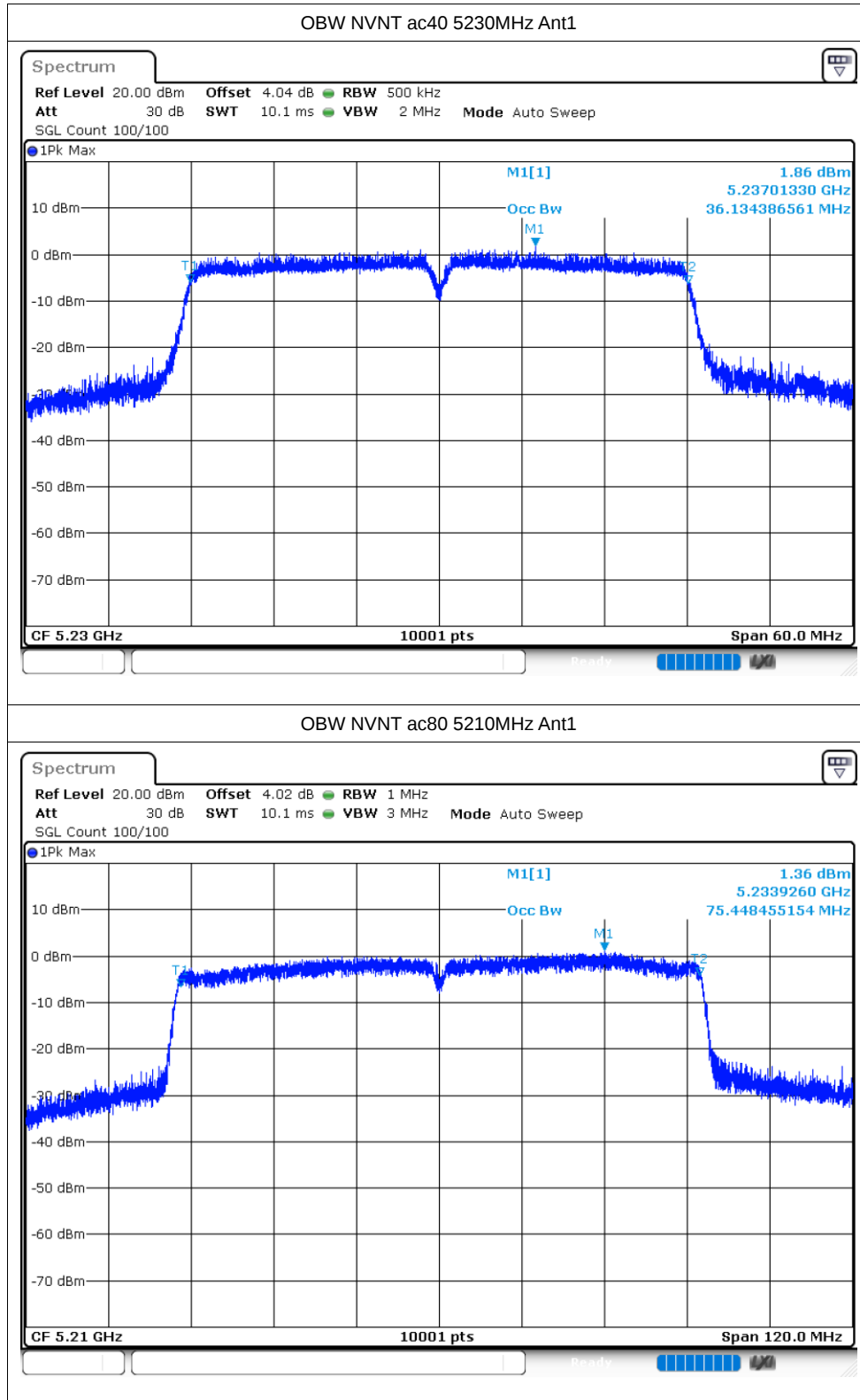










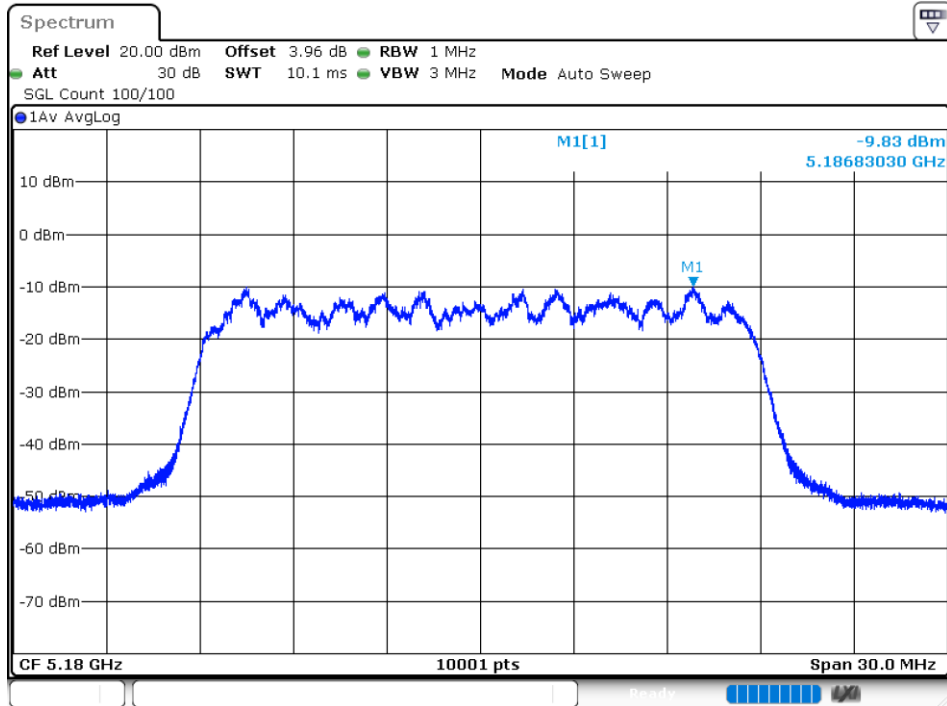


Maximum Power Spectral Density Level

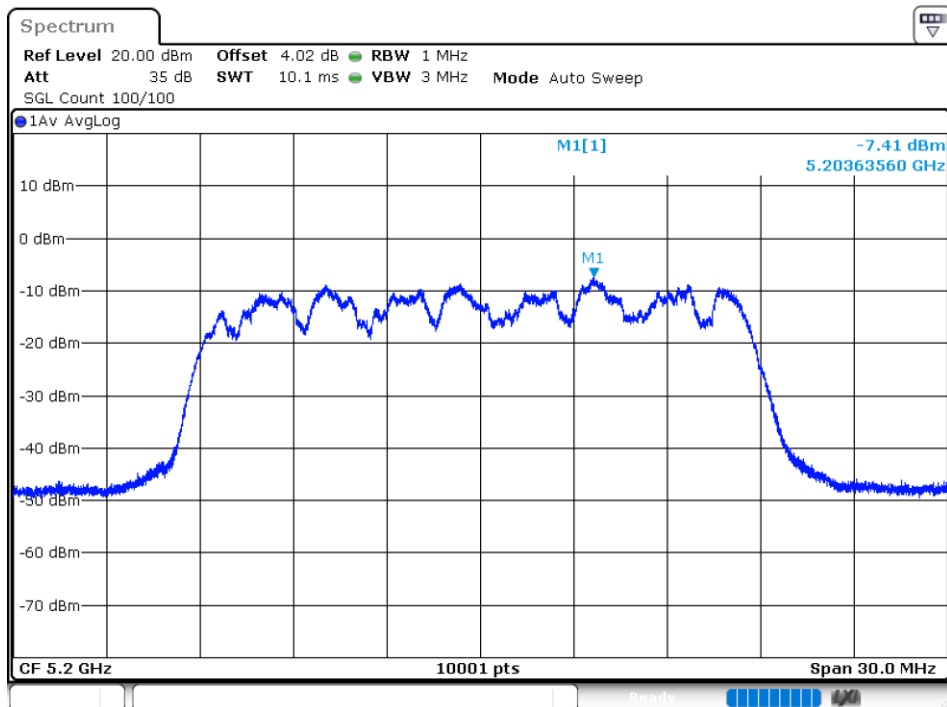
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-9.83	0.55	-9.28	11	Pass
NVNT	a	5200	Ant1	-7.41	0.55	-6.86	11	Pass
NVNT	a	5240	Ant1	-8.27	0.55	-7.72	11	Pass
NVNT	n20	5180	Ant1	-10.51	0.59	-9.92	11	Pass
NVNT	n20	5200	Ant1	-9.73	0.59	-9.14	11	Pass
NVNT	n20	5240	Ant1	-8.72	0.61	-8.11	11	Pass
NVNT	n40	5190	Ant1	-14.37	1.12	-13.25	11	Pass
NVNT	n40	5230	Ant1	-15.92	1.14	-14.78	11	Pass
NVNT	ac20	5180	Ant1	-10.76	0.61	-10.15	11	Pass
NVNT	ac20	5200	Ant1	-10.64	0.1	-10.54	11	Pass
NVNT	ac20	5240	Ant1	-10.56	0.61	-9.95	11	Pass
NVNT	ac40	5190	Ant1	-16.28	1.14	-15.14	11	Pass
NVNT	ac40	5230	Ant1	-16.19	1.12	-15.07	11	Pass
NVNT	ac80	5210	Ant1	-23.83	1.98	-21.85	11	Pass

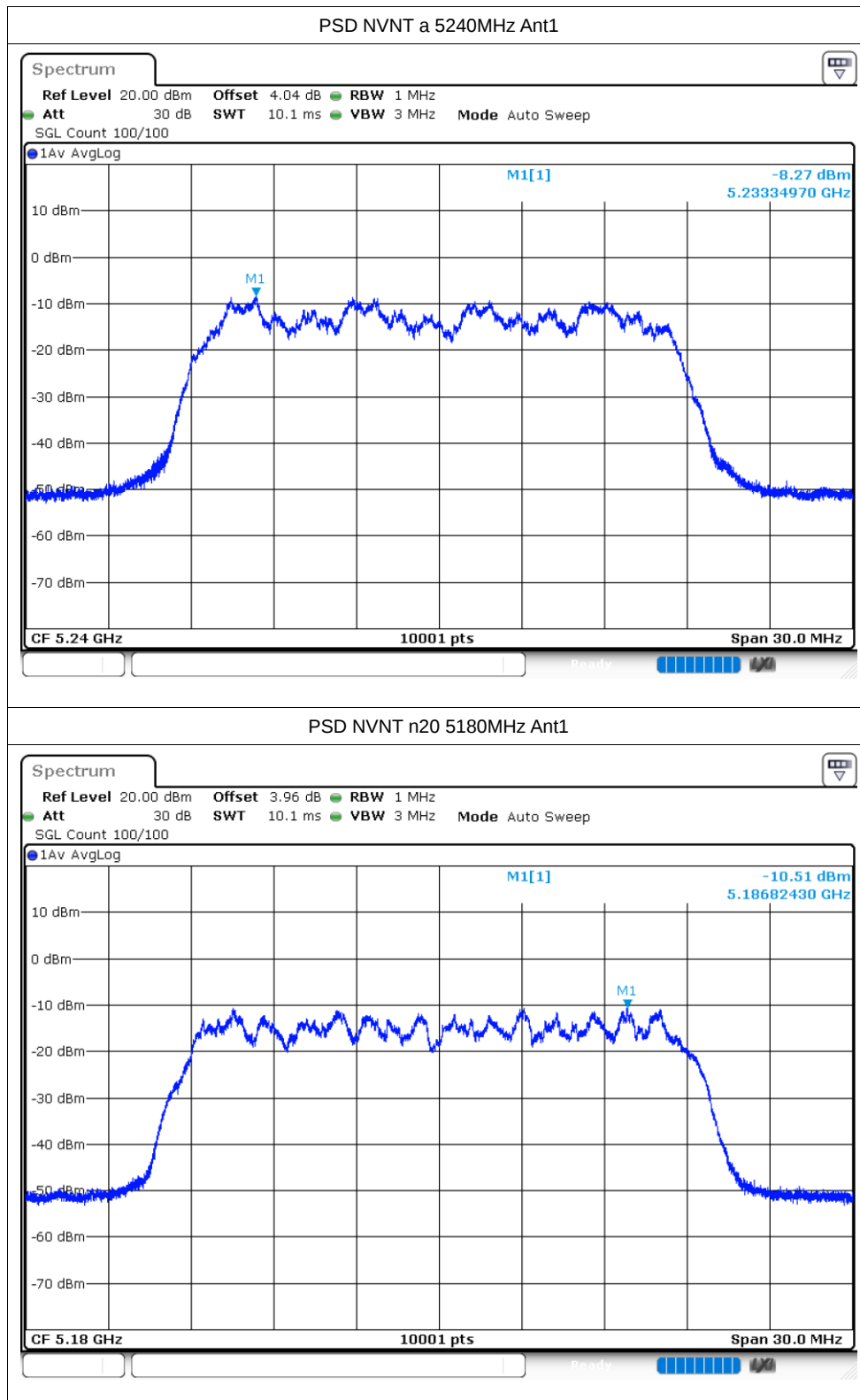
Test Graphs

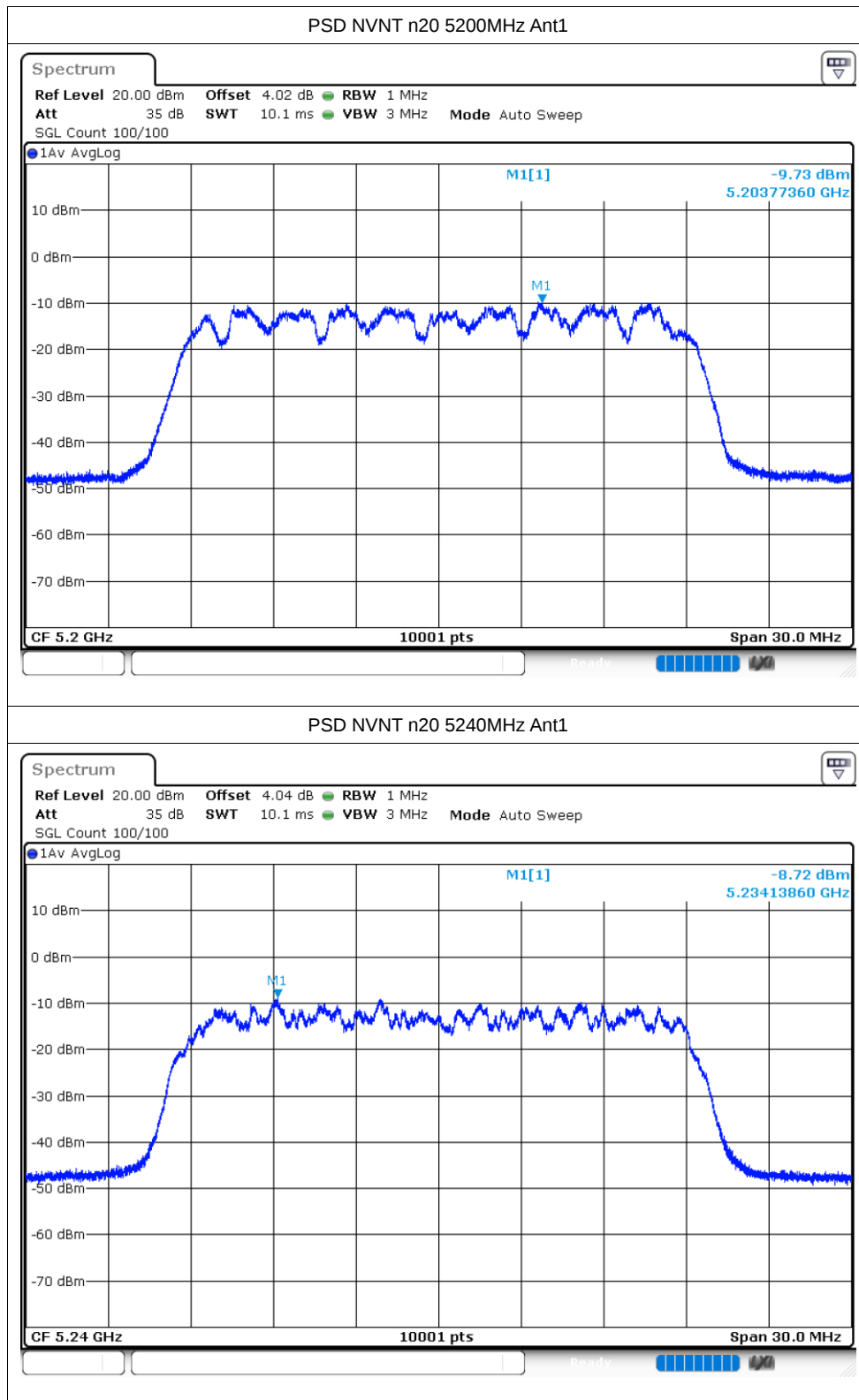
PSD NVNT a 5180MHz Ant1

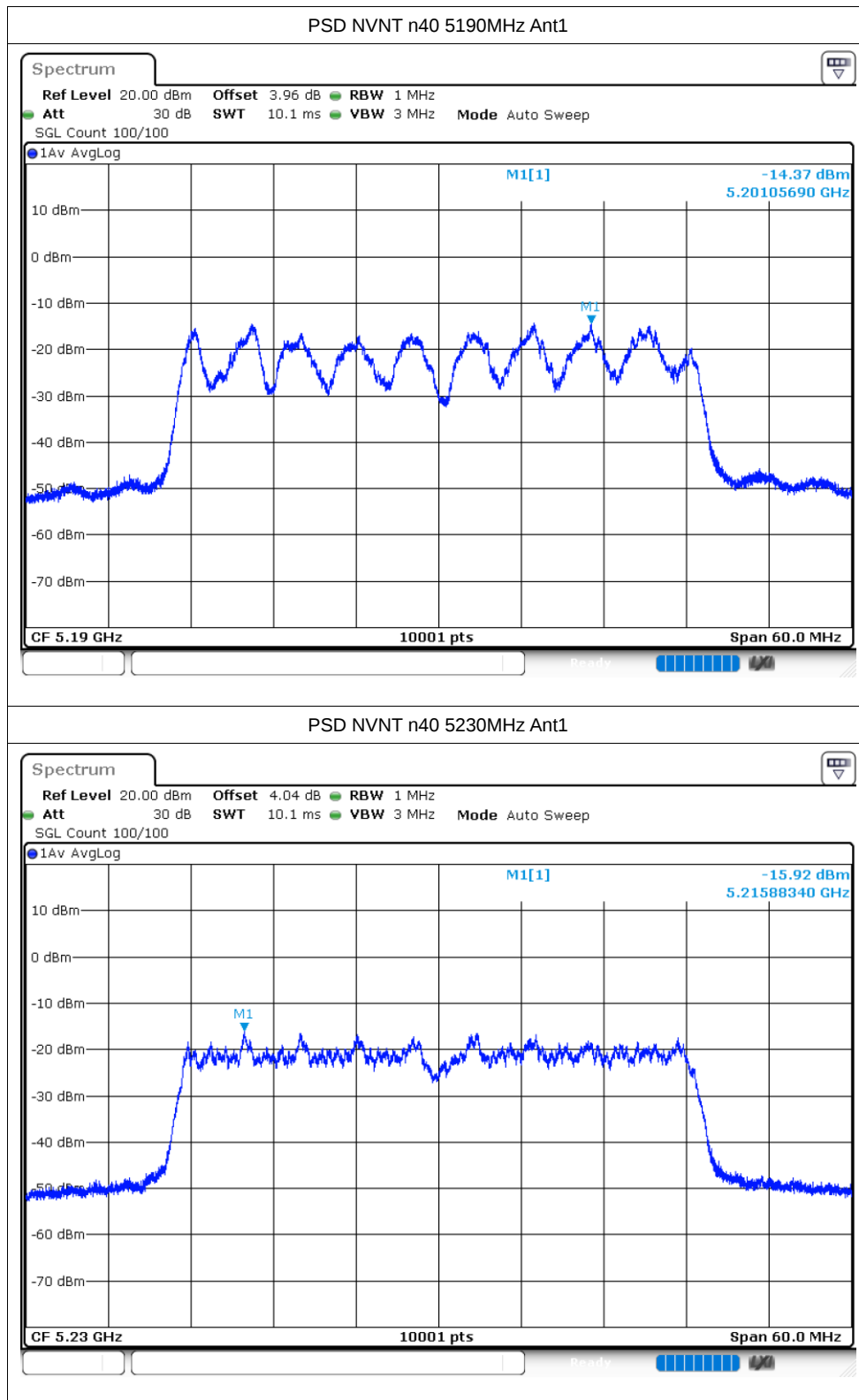


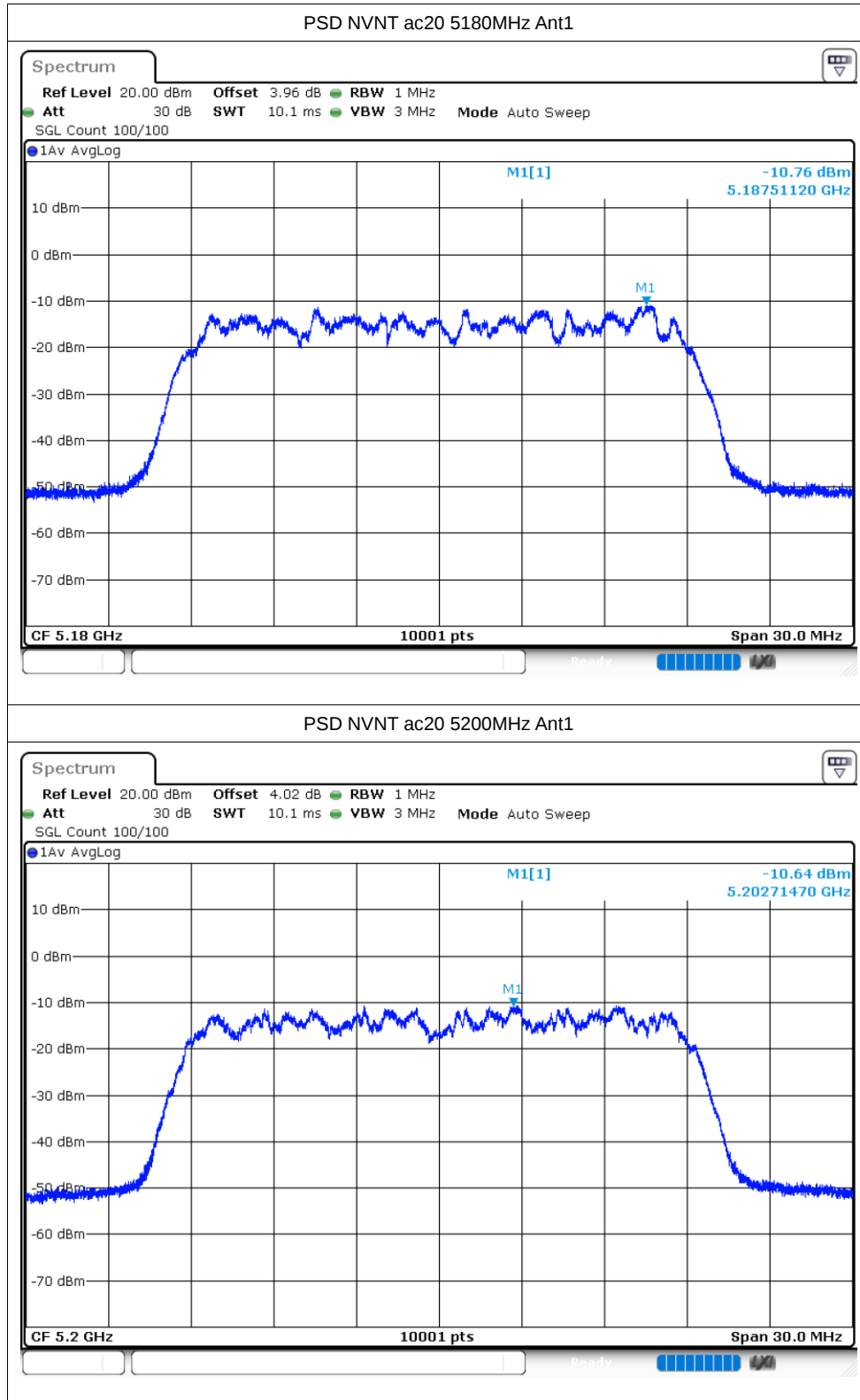
PSD NVNT a 5200MHz Ant1

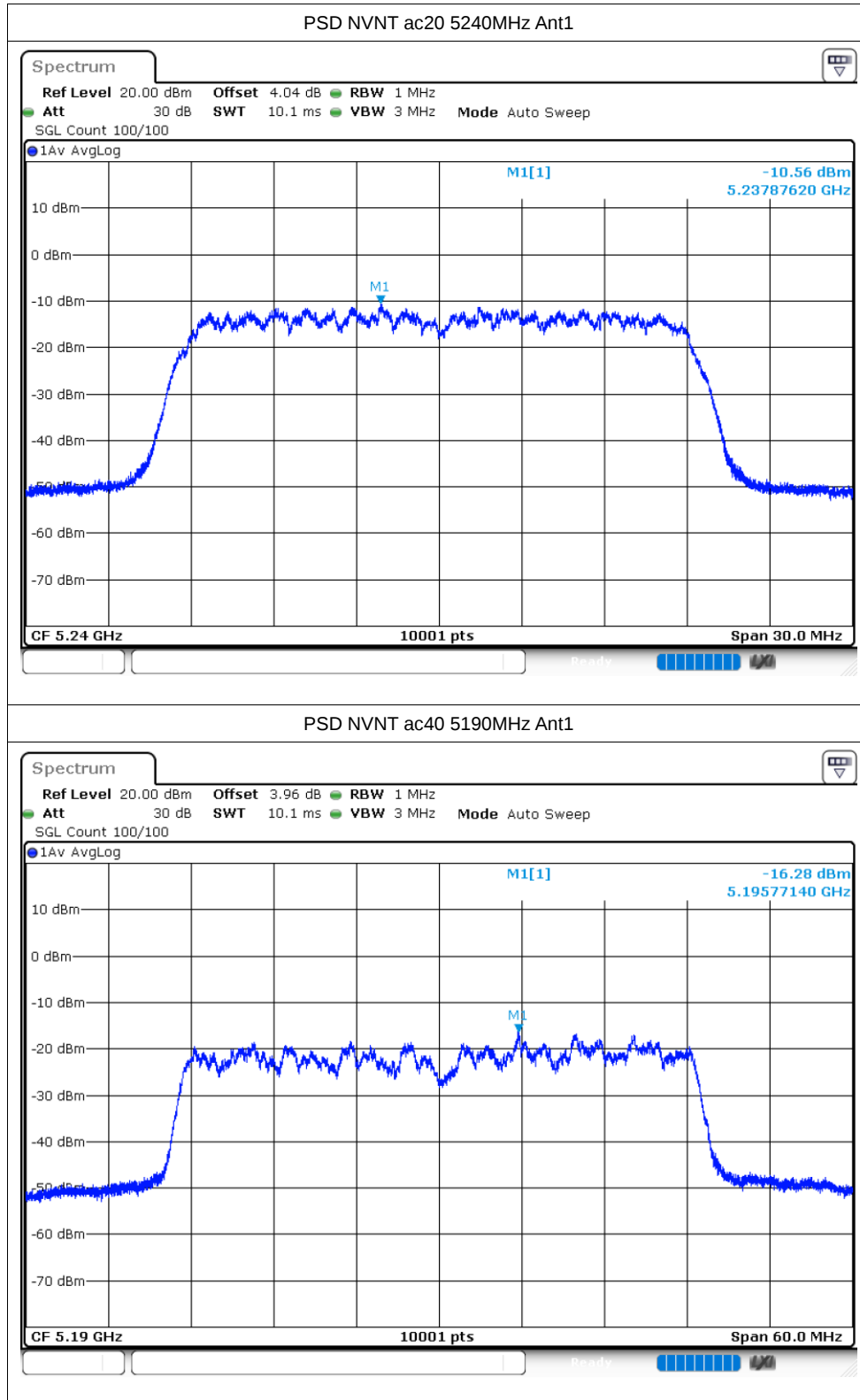


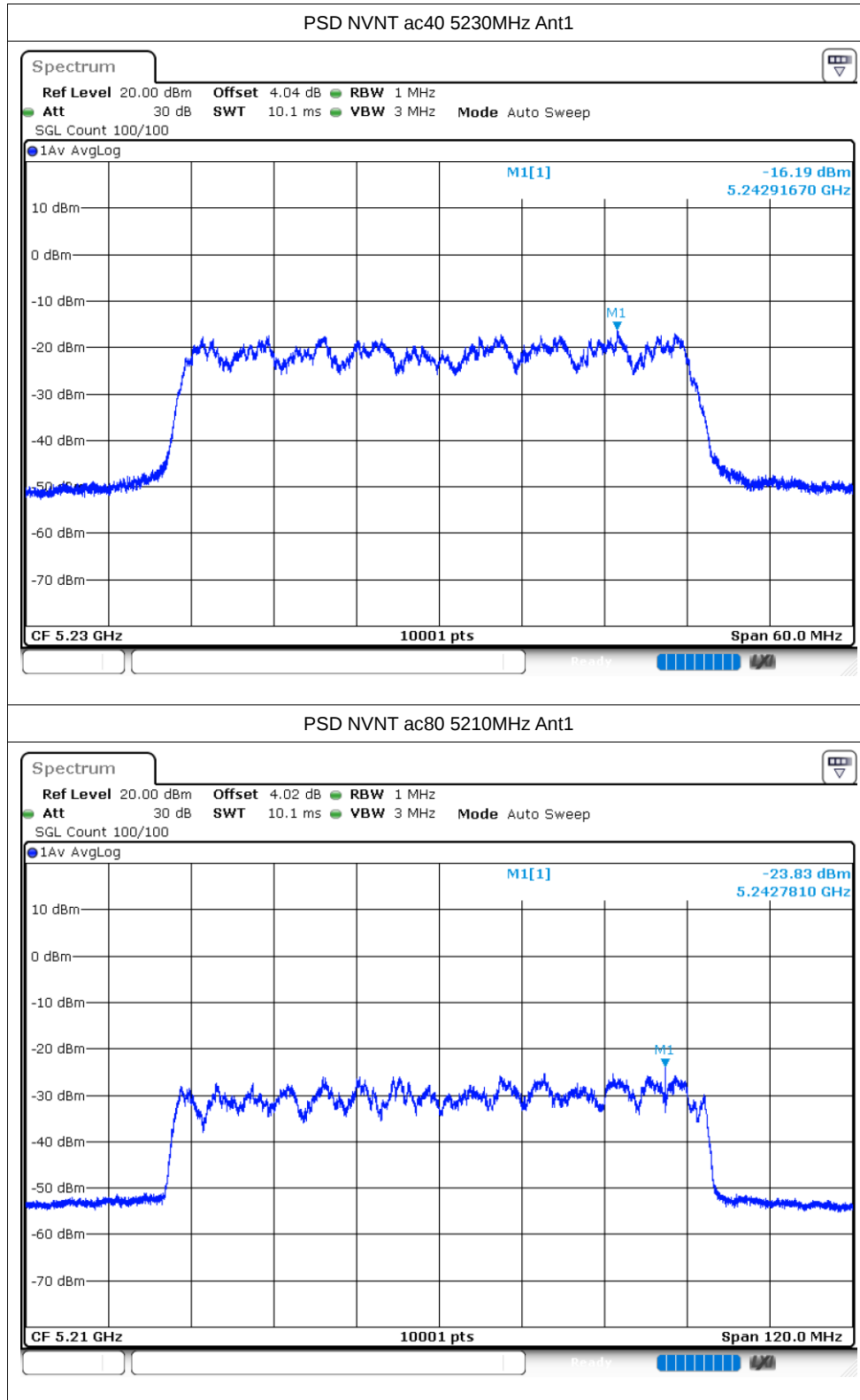












Band Edge

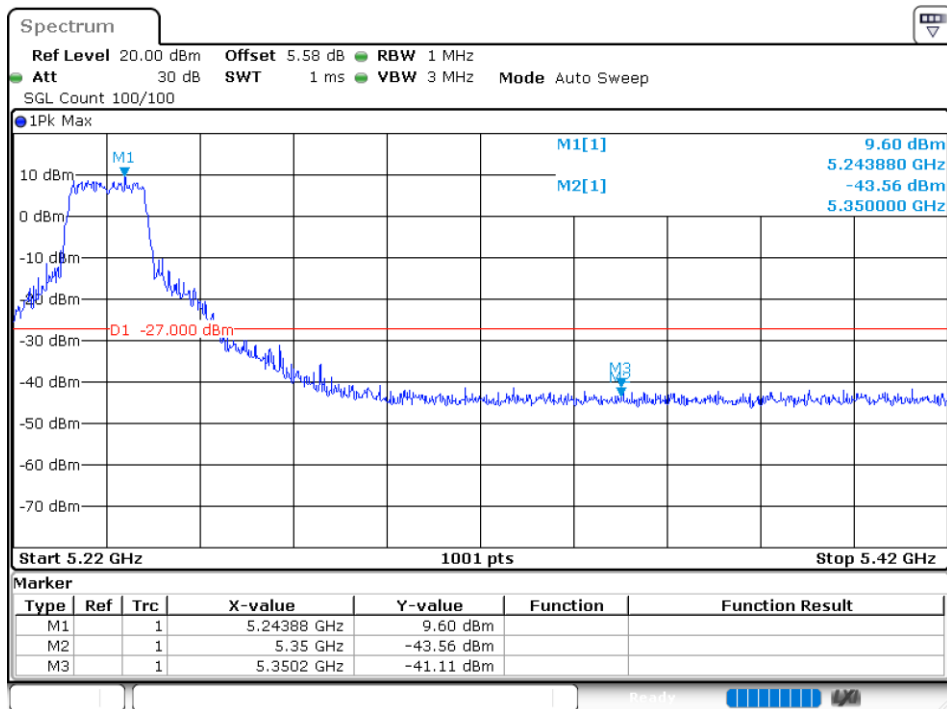
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-37.19	-27	Pass
NVNT	a	5240	Ant1	-41.11	-27	Pass
NVNT	n20	5180	Ant1	-34.28	-27	Pass
NVNT	n20	5240	Ant1	-41.5	-27	Pass
NVNT	n40	5190	Ant1	-32.07	-27	Pass
NVNT	n40	5230	Ant1	-41.35	-27	Pass
NVNT	ac20	5180	Ant1	-36.63	-27	Pass
NVNT	ac20	5240	Ant1	-41.65	-27	Pass
NVNT	ac40	5190	Ant1	-30.19	-27	Pass
NVNT	ac40	5230	Ant1	-41.62	-27	Pass
NVNT	ac80	5210	Ant1	-39.42	-27	Pass

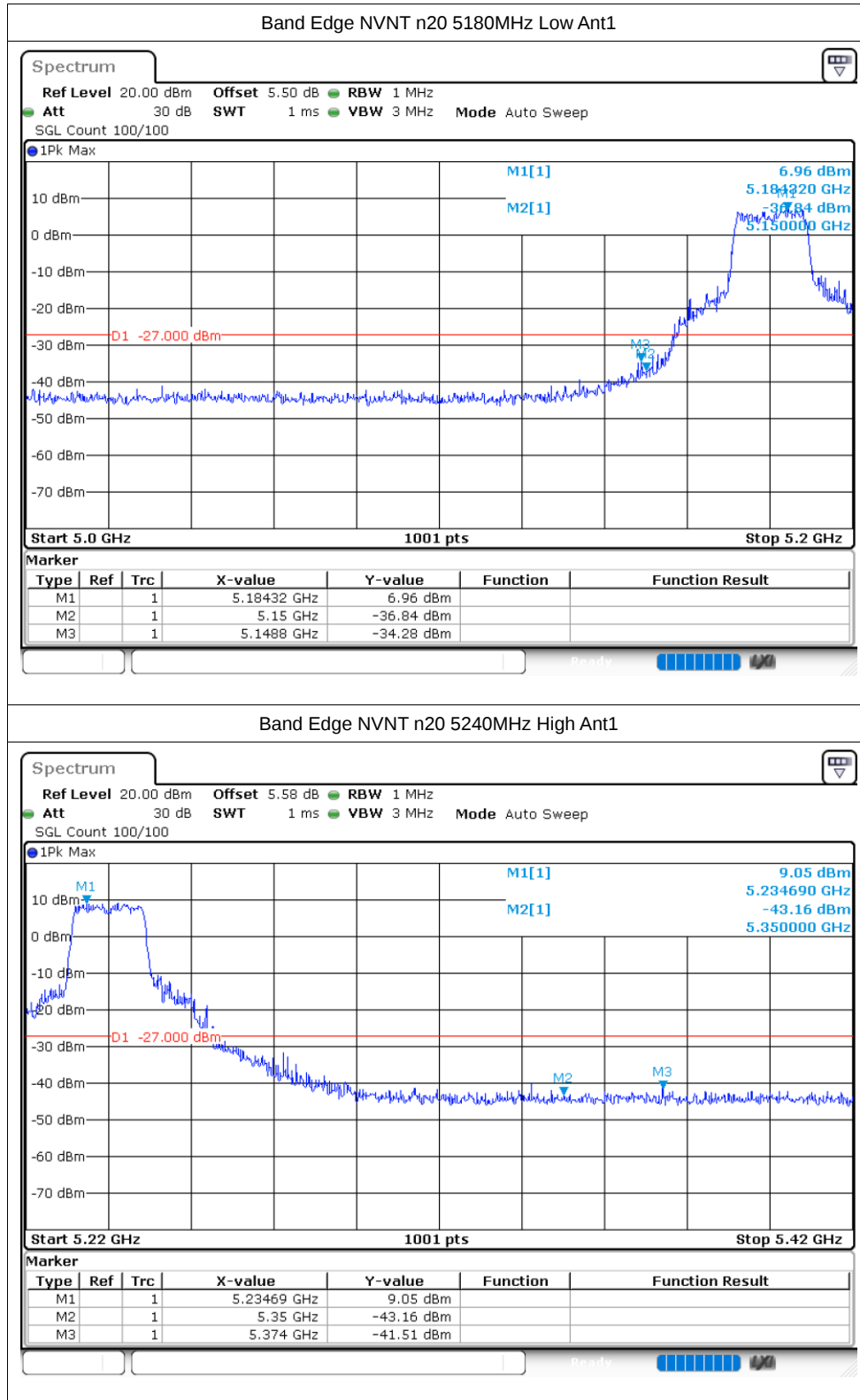
Test Graphs

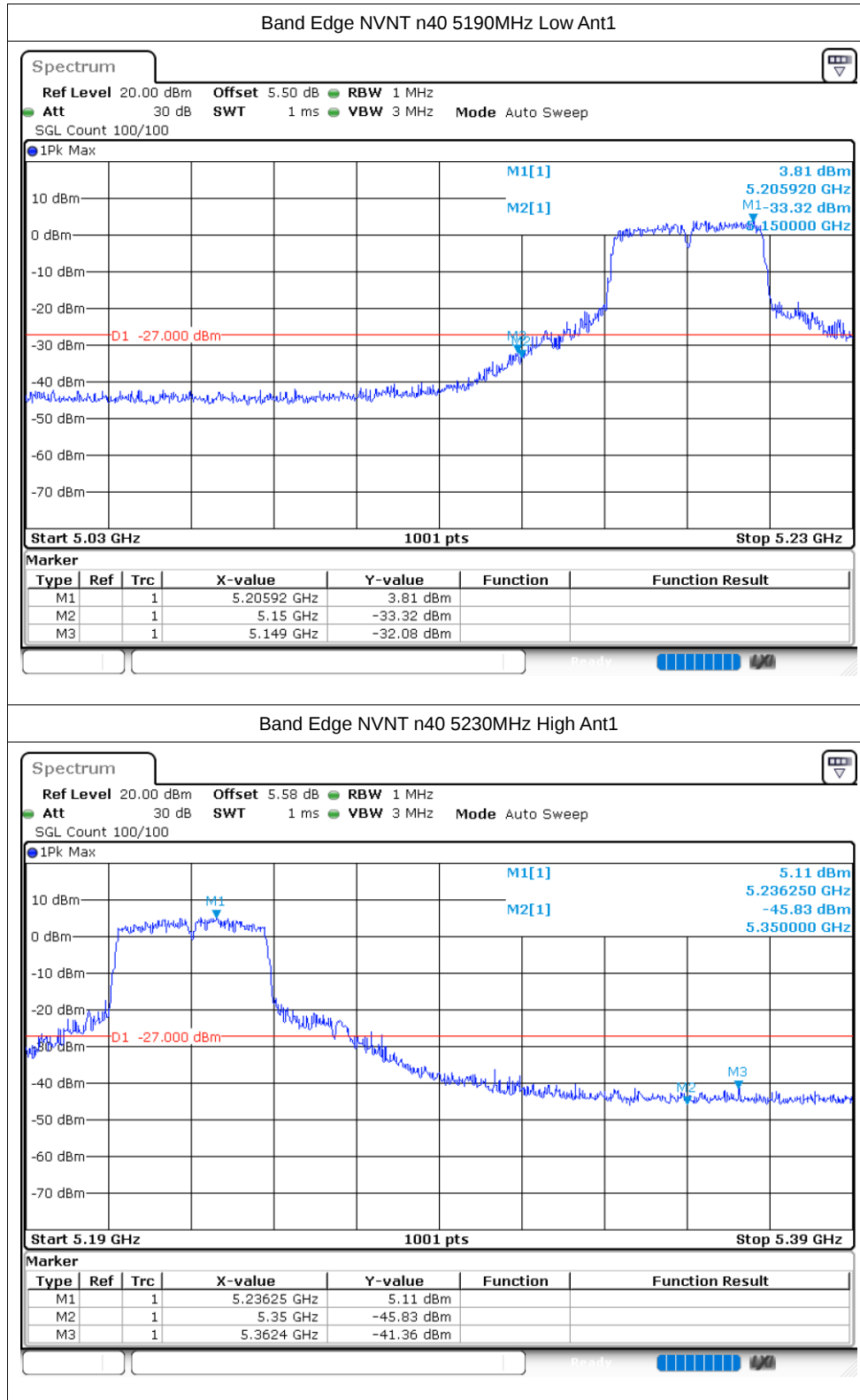
Band Edge NVNT a 5180MHz Low Ant1

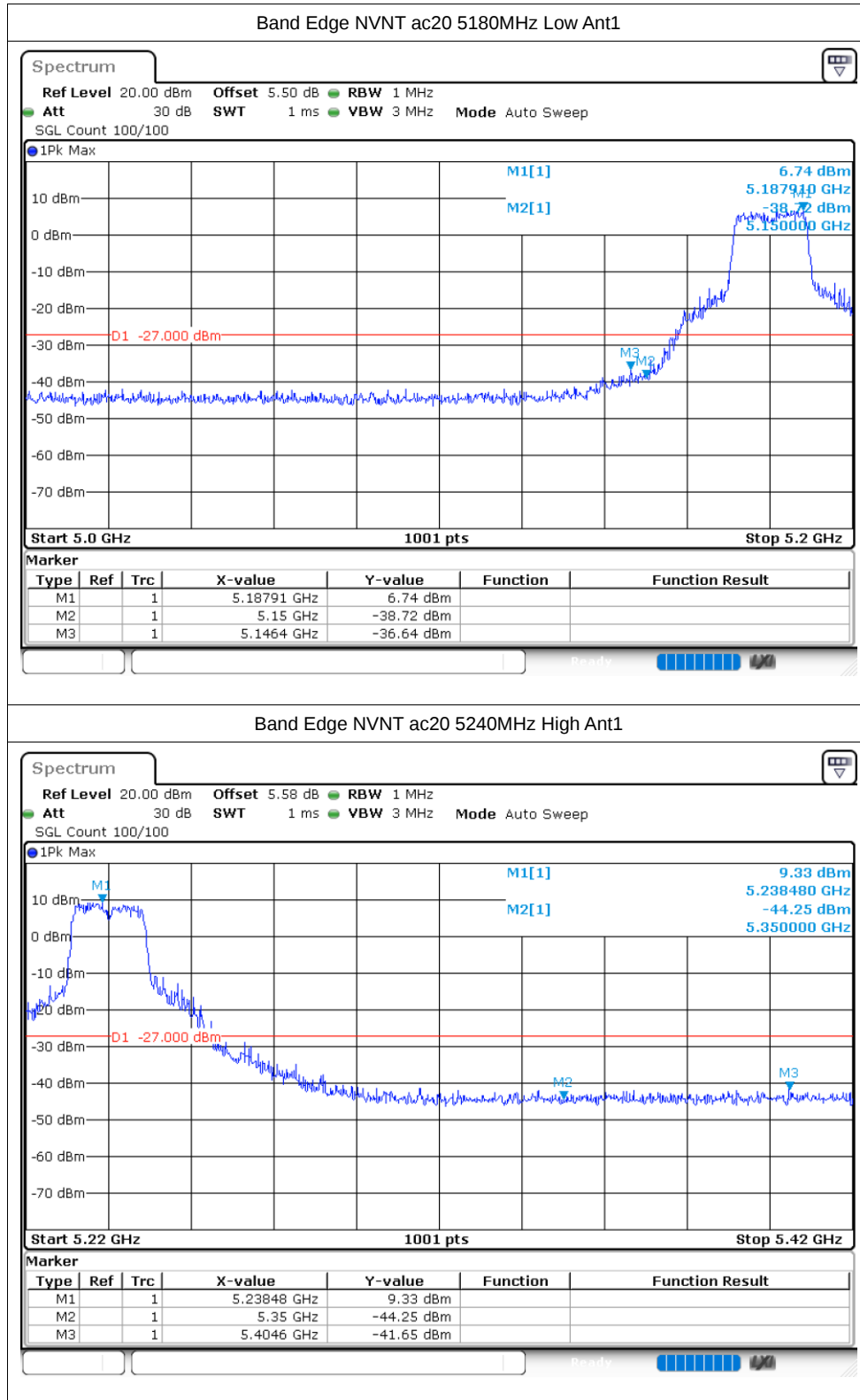


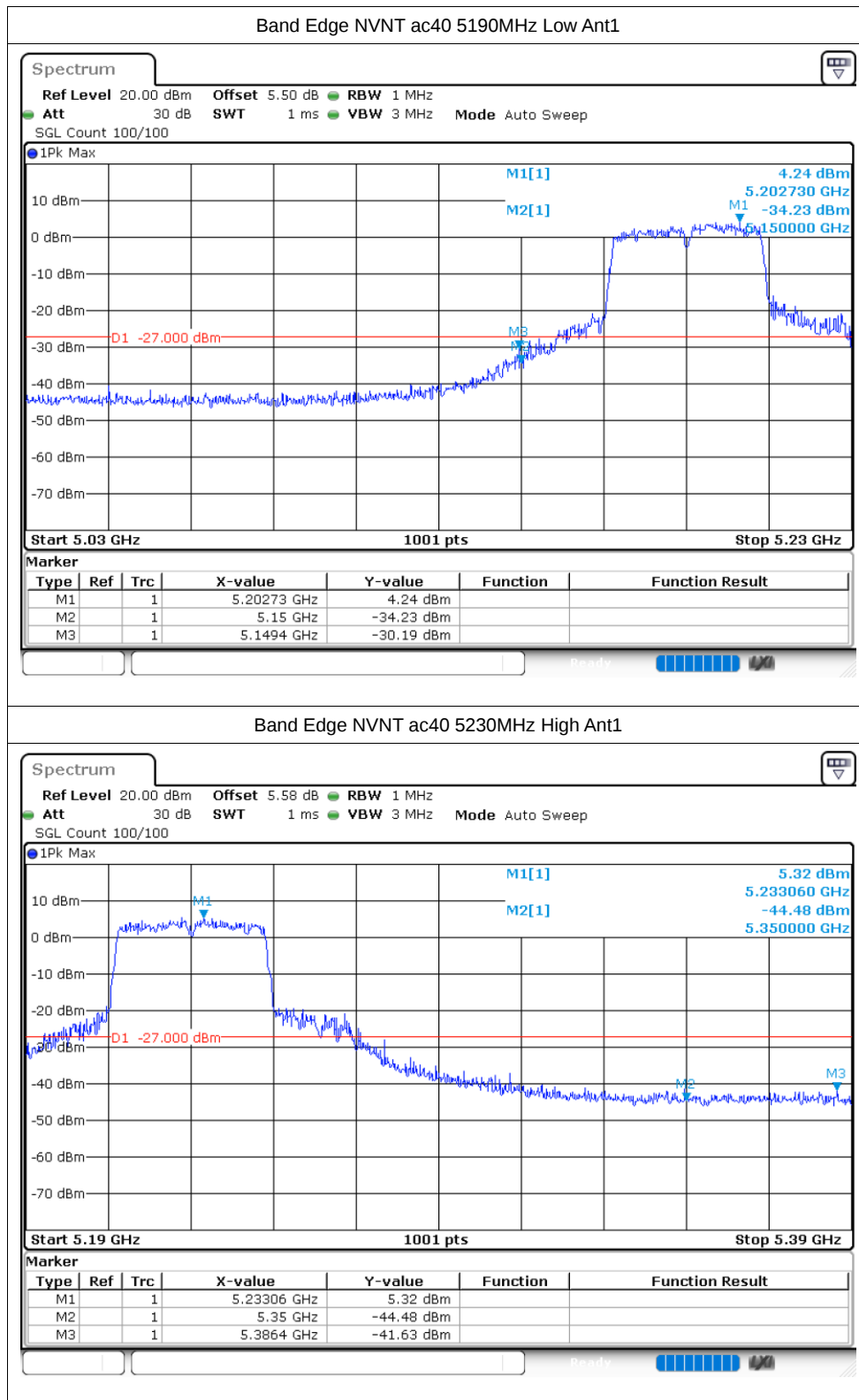
Band Edge NVNT a 5240MHz High Ant1

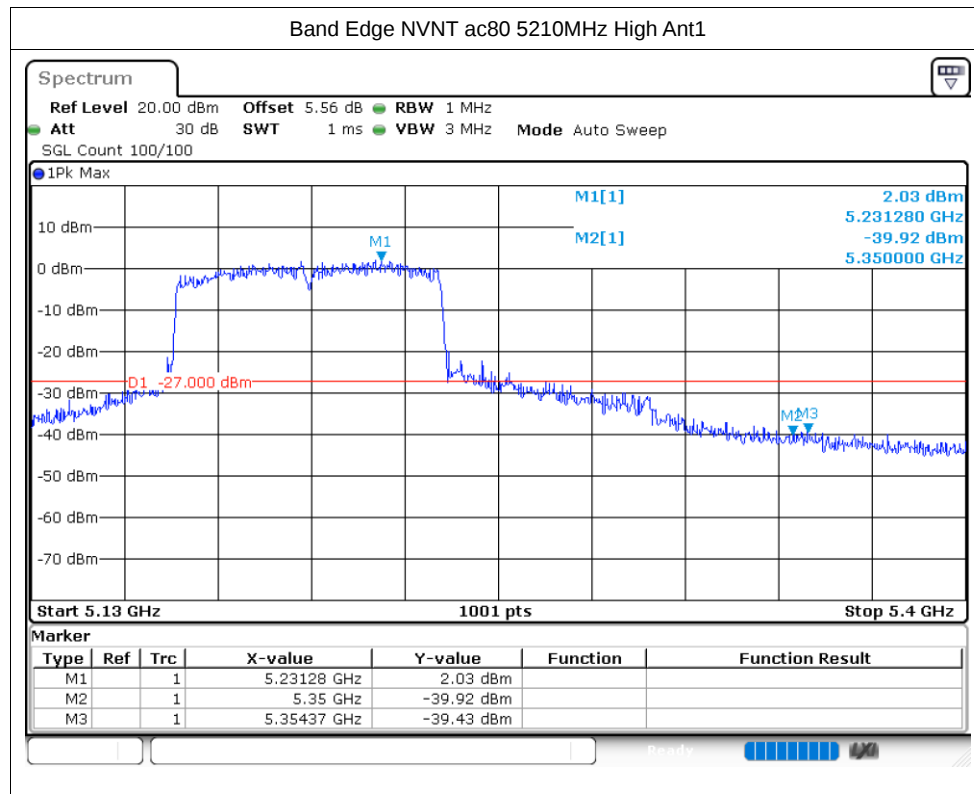










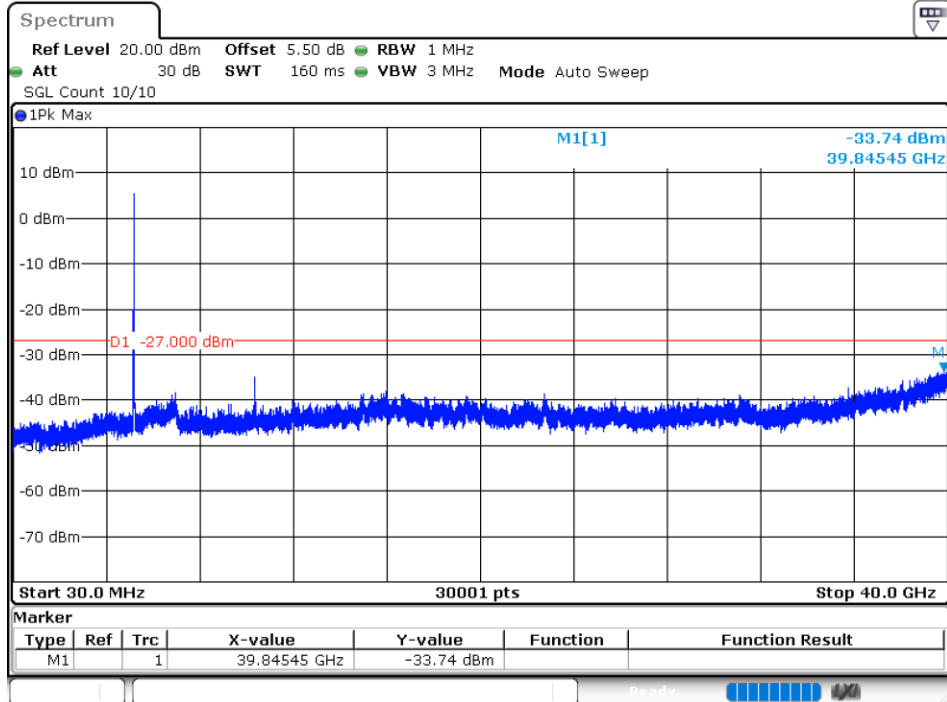


Conducted RF Spurious Emission

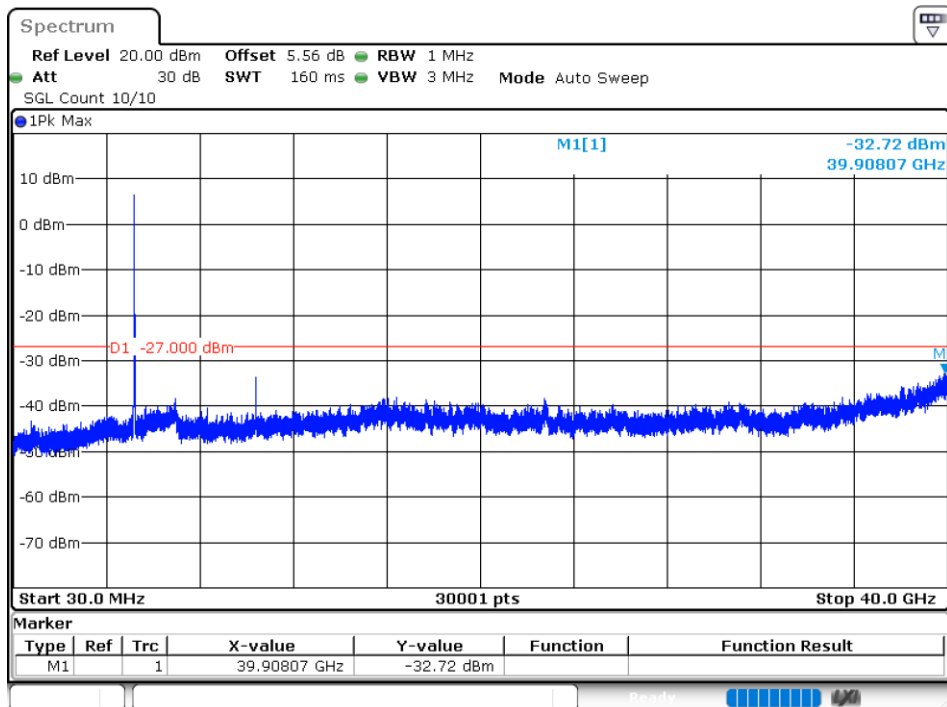
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.74	-27	Pass
NVNT	a	5200	Ant1	-32.72	-27	Pass
NVNT	a	5240	Ant1	-32.76	-27	Pass
NVNT	n20	5180	Ant1	-32.96	-27	Pass
NVNT	n20	5200	Ant1	-32.43	-27	Pass
NVNT	n20	5240	Ant1	-32.37	-27	Pass
NVNT	n40	5190	Ant1	-32.67	-27	Pass
NVNT	n40	5230	Ant1	-32.11	-27	Pass
NVNT	ac20	5180	Ant1	-33.26	-27	Pass
NVNT	ac20	5200	Ant1	-33.39	-27	Pass
NVNT	ac20	5240	Ant1	-32.15	-27	Pass
NVNT	ac40	5190	Ant1	-31.88	-27	Pass
NVNT	ac40	5230	Ant1	-32.76	-27	Pass
NVNT	ac80	5210	Ant1	-30.26	-27	Pass

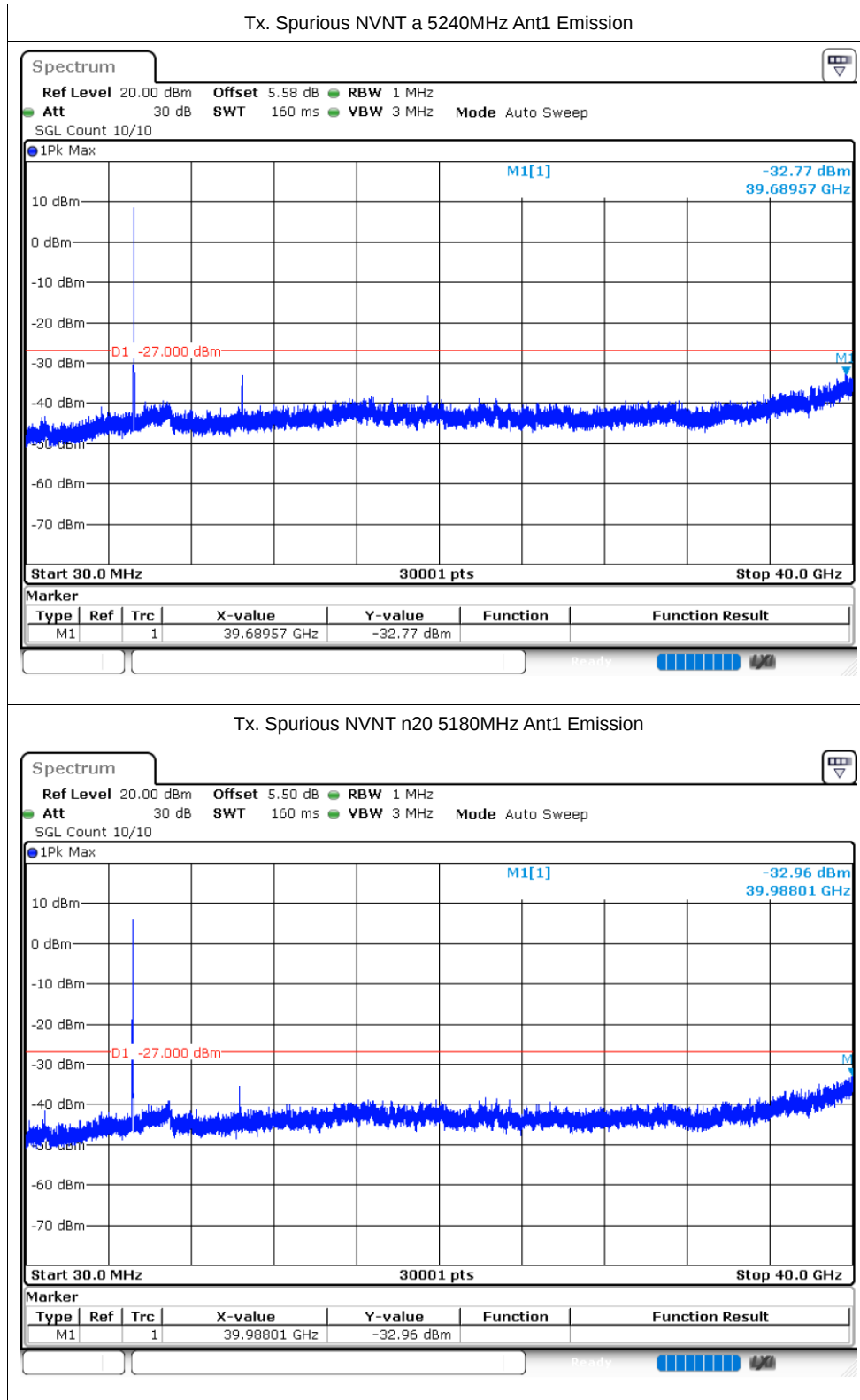
Test Graphs

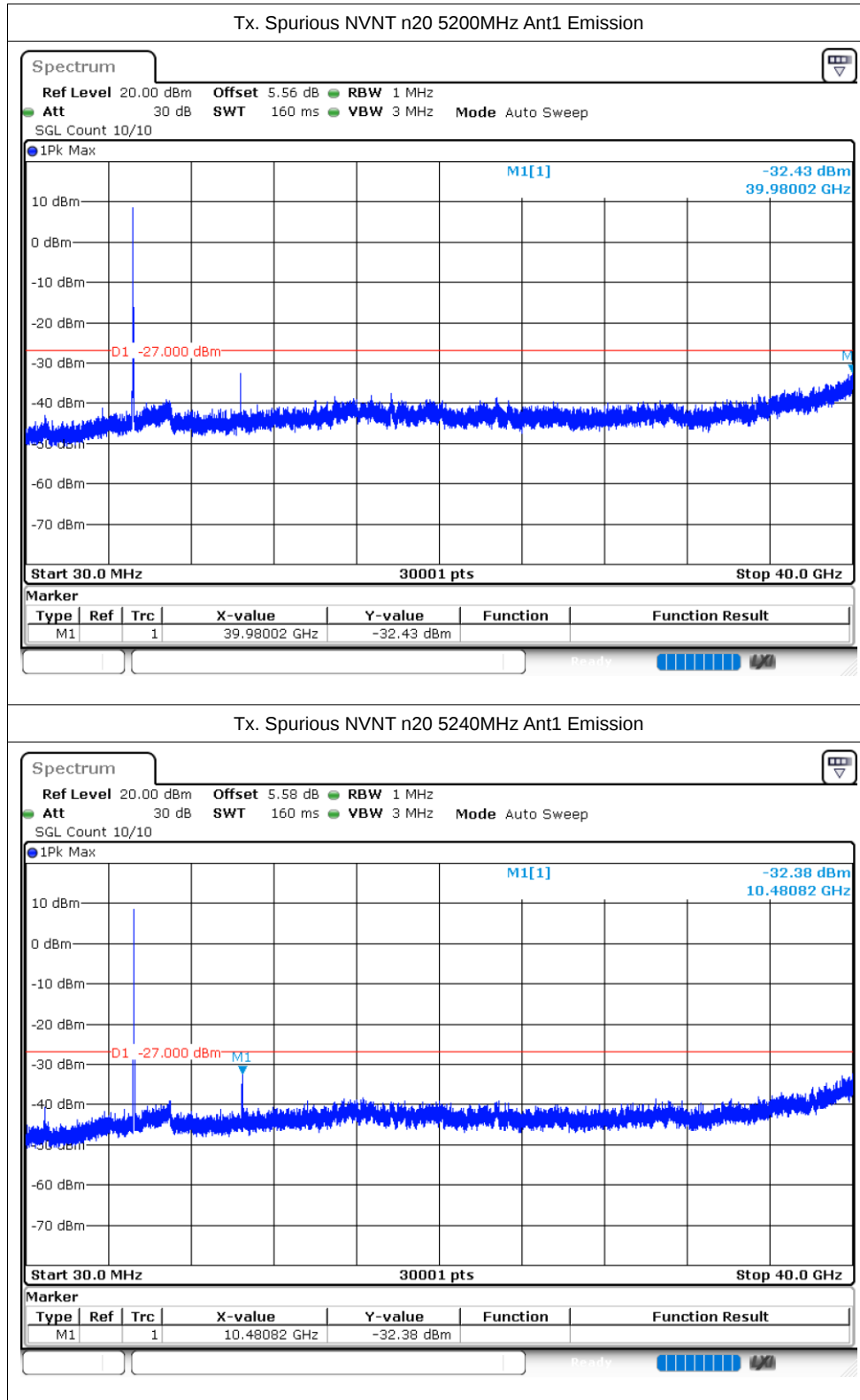
Tx. Spurious NVNT a 5180MHz Ant1 Emission

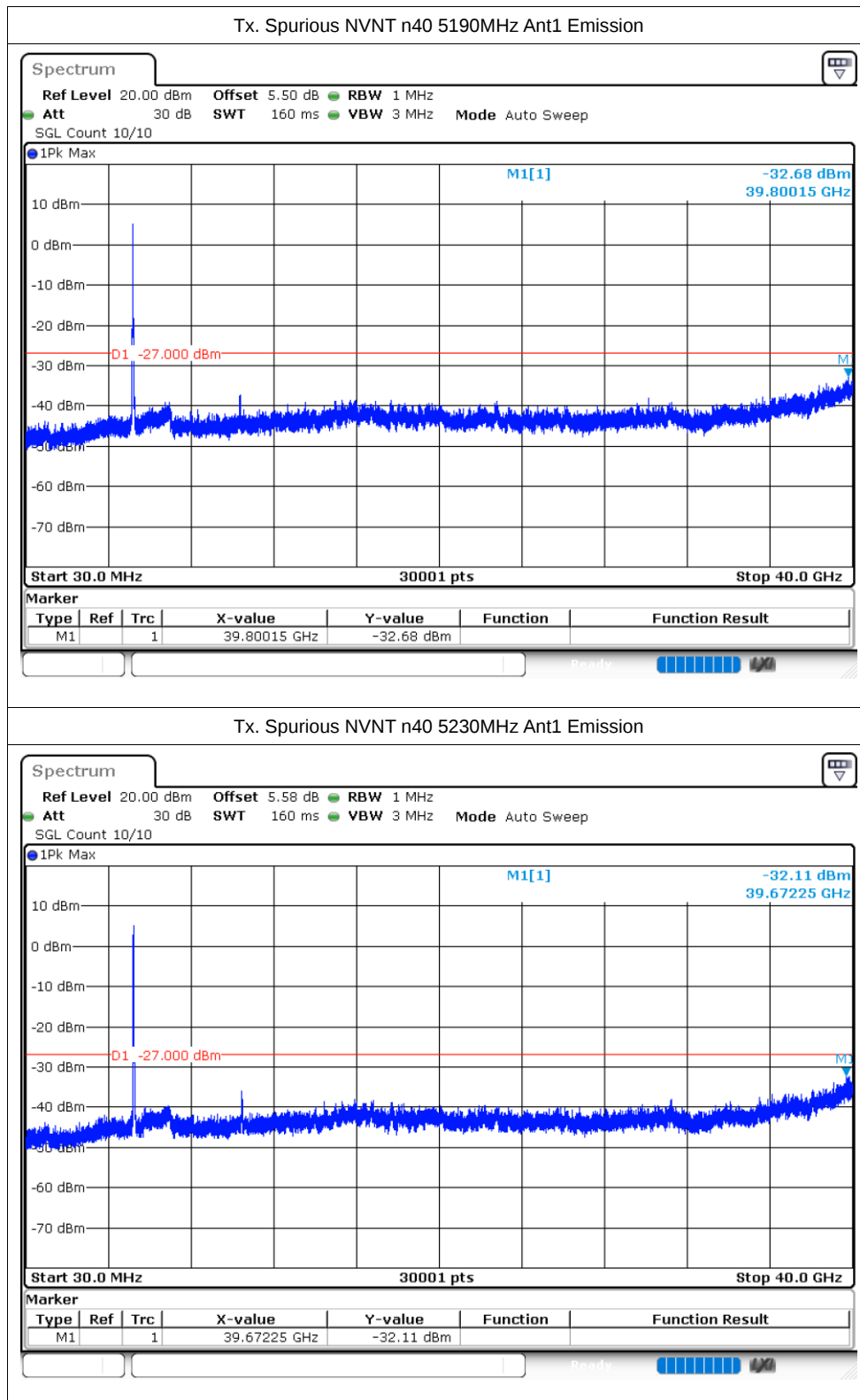


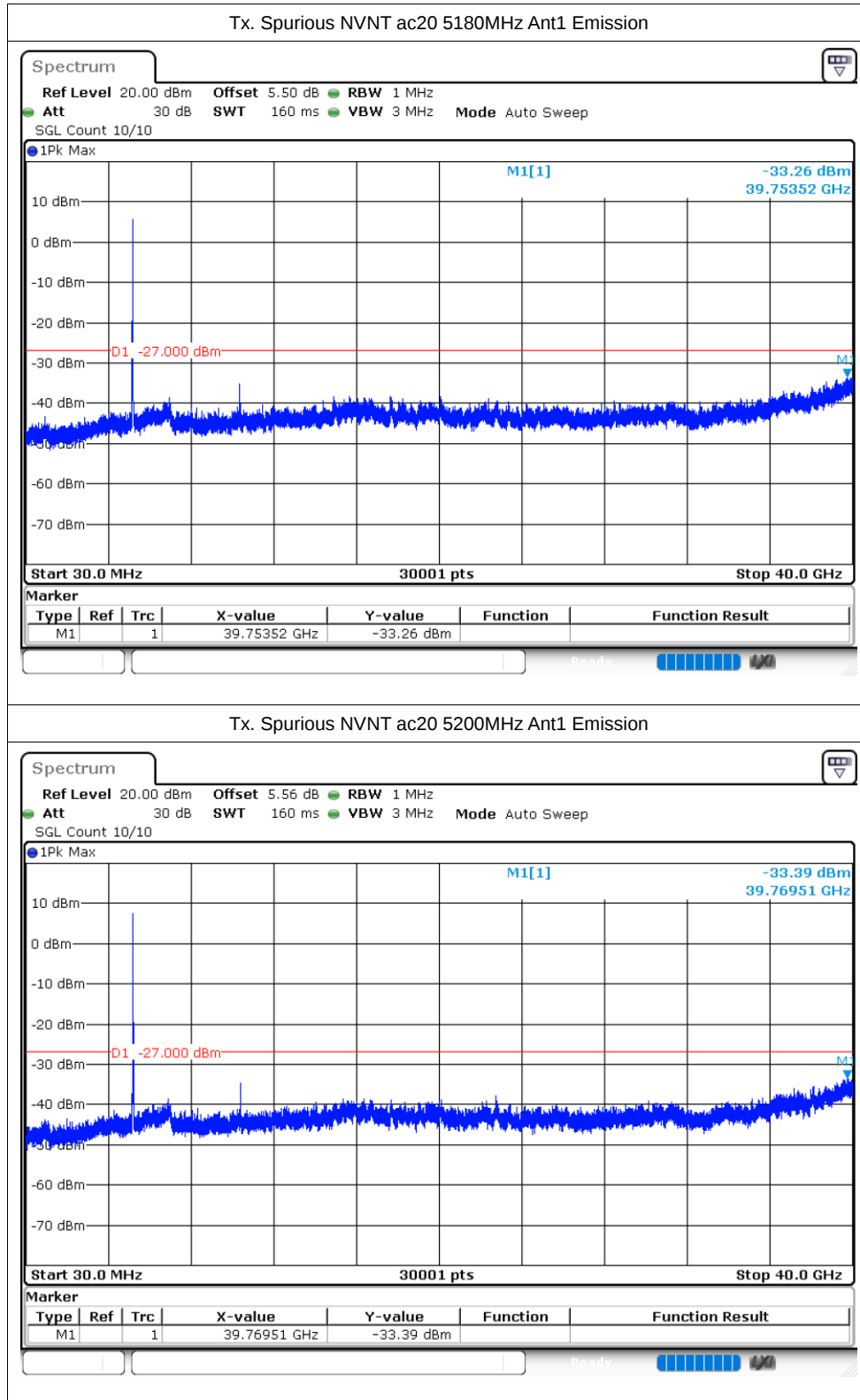
Tx. Spurious NVNT a 5200MHz Ant1 Emission

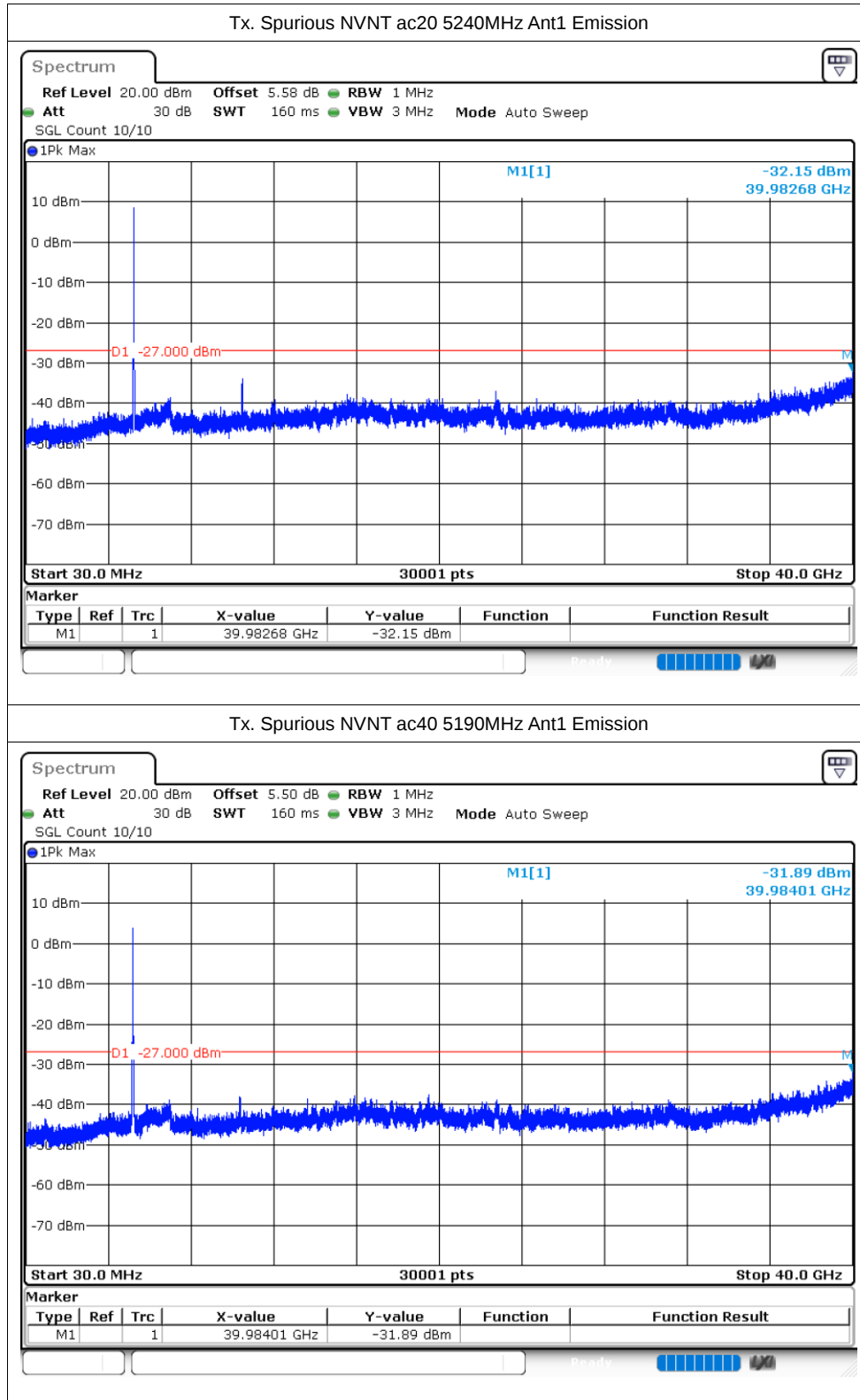


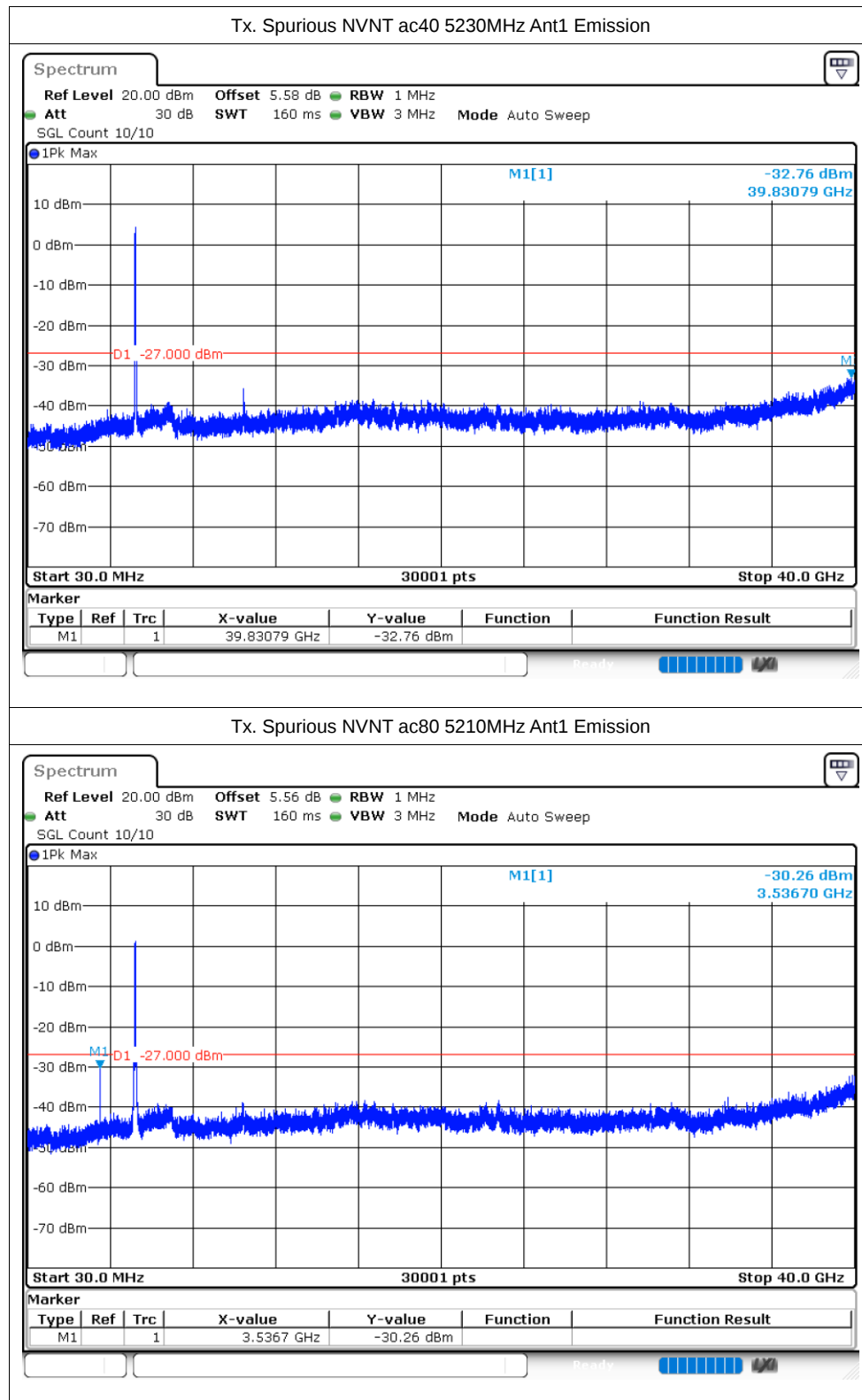












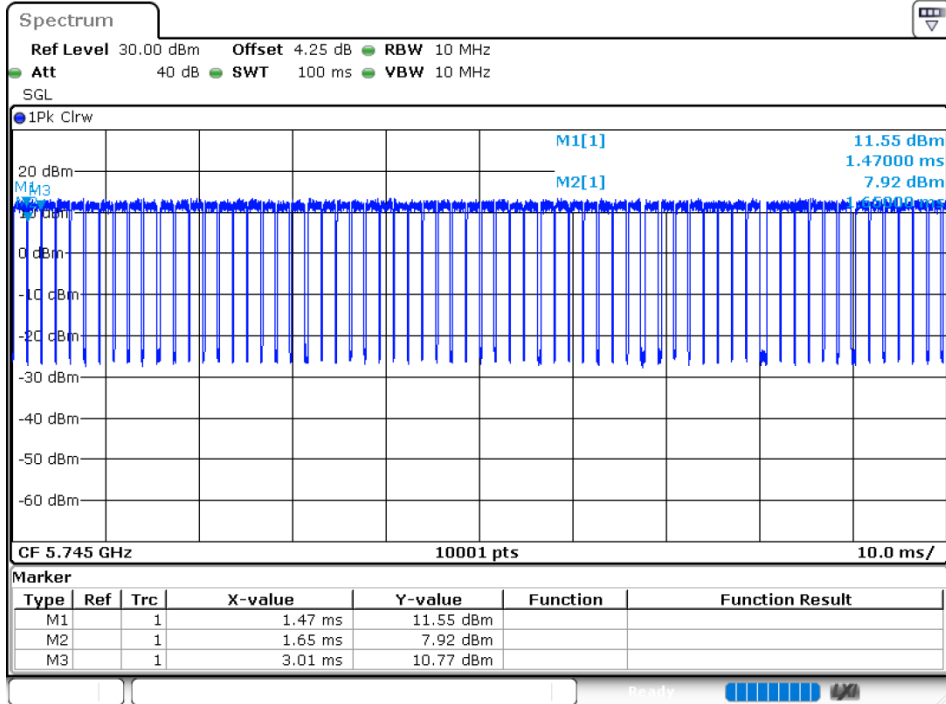
WIFI 5.8G:

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	86.73	0.62	0.74
NVNT	a	5785	Ant1	87.76	0.57	0.74
NVNT	a	5825	Ant1	88.25	0.54	0.74
NVNT	n20	5745	Ant1	86.87	0.61	0.87
NVNT	n20	5785	Ant1	87.14	0.6	0.87
NVNT	n20	5825	Ant1	86.85	0.61	0.87
NVNT	n40	5755	Ant1	77.12	1.13	1.72
NVNT	n40	5795	Ant1	77.55	1.1	1.72
NVNT	ac20	5745	Ant1	86.89	0.61	0.87
NVNT	ac20	5785	Ant1	87.06	0.6	0.86
NVNT	ac20	5825	Ant1	86.88	0.61	0.86
NVNT	ac40	5755	Ant1	77.79	1.09	1.72
NVNT	ac40	5795	Ant1	76.89	1.14	1.72
NVNT	ac80	5775	Ant1	63.12	2	3.45

Test Graphs

Duty Cycle NVNT a 5745MHz Ant1



Duty Cycle NVNT a 5785MHz Ant1

