

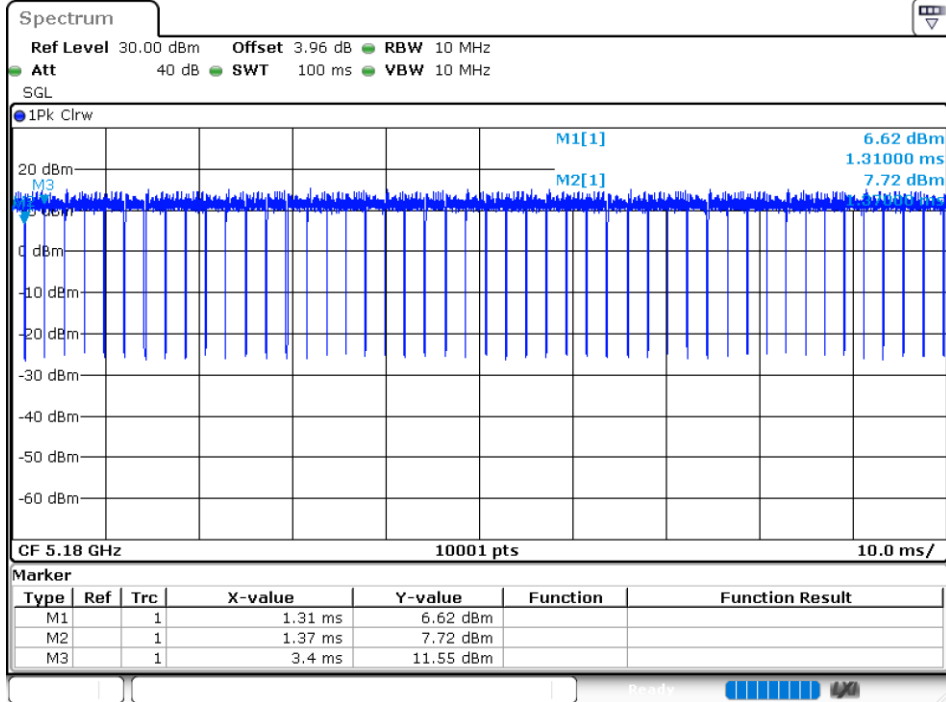
WIFI 5.2G

Duty Cycle

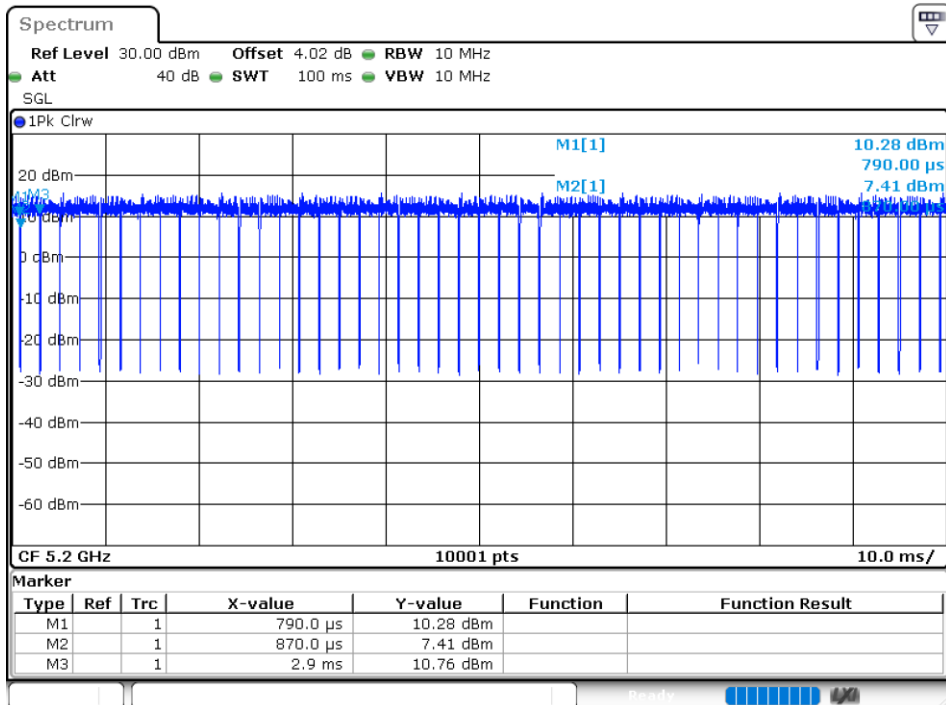
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.44	0.2	0.49
NVNT	a	5200	Ant1	95.29	0.21	0.49
NVNT	a	5240	Ant1	95.76	0.19	0.49
NVNT	n20	5180	Ant1	95.03	0.22	0.53
NVNT	n20	5200	Ant1	94.97	0.22	0.53
NVNT	n20	5240	Ant1	94.81	0.23	0.53
NVNT	n40	5190	Ant1	90.17	0.45	1.08
NVNT	n40	5230	Ant1	89.85	0.46	1.08
NVNT	ac20	5180	Ant1	95.28	0.21	0.53
NVNT	ac20	5200	Ant1	95.09	0.22	0.53
NVNT	ac20	5240	Ant1	94.79	0.23	0.53
NVNT	ac40	5190	Ant1	90.33	0.44	1.06
NVNT	ac40	5230	Ant1	90.5	0.43	1.06
NVNT	ax20	5180	Ant1	93.52	0.29	0.69
NVNT	ax20	5200	Ant1	93.83	0.28	0.68
NVNT	ax20	5240	Ant1	94.64	0.24	0.69
NVNT	ax40	5190	Ant1	88	0.56	1.35
NVNT	ax40	5230	Ant1	88.61	0.53	1.33

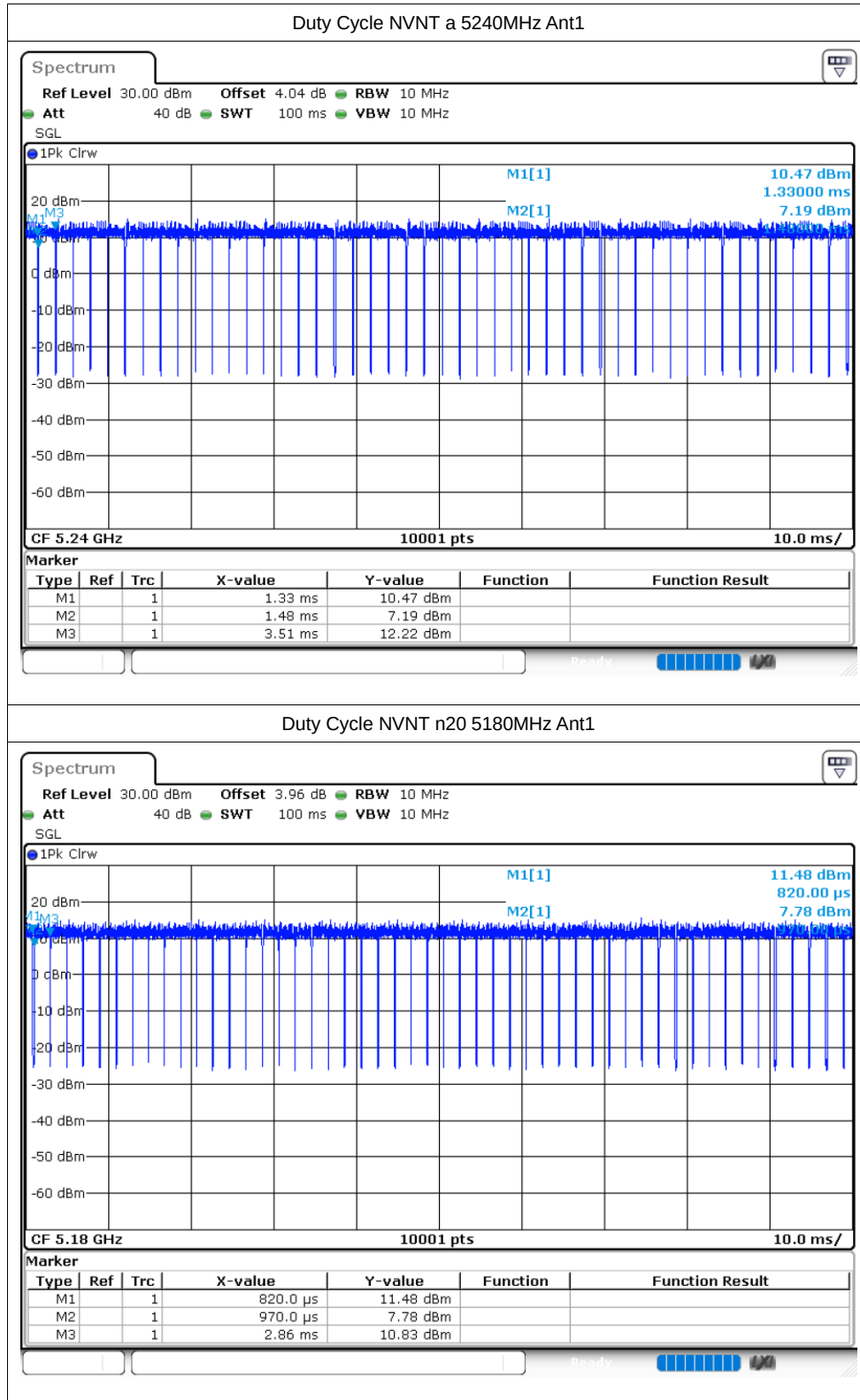
Test Graphs

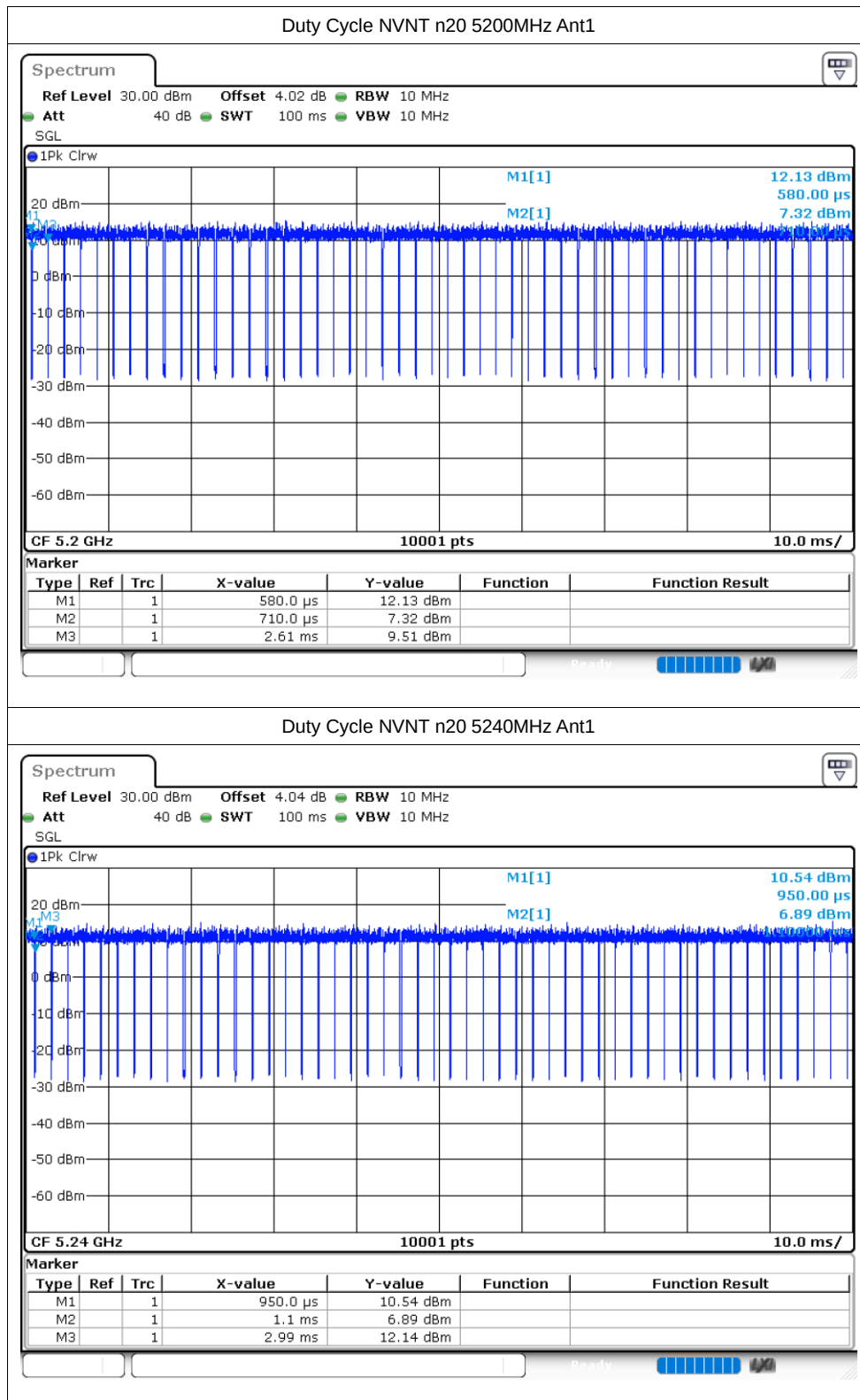
Duty Cycle NVNT a 5180MHz Ant1

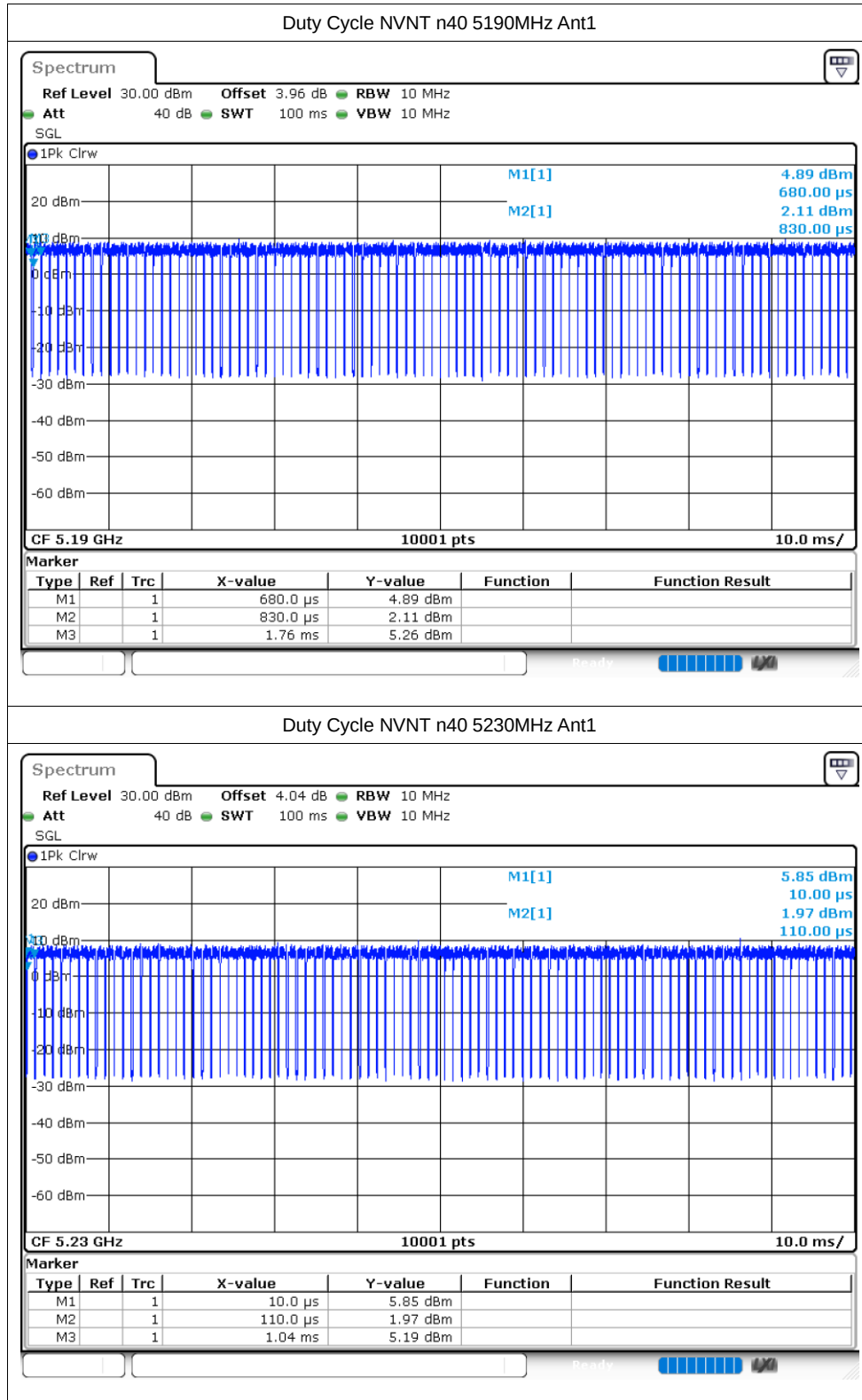


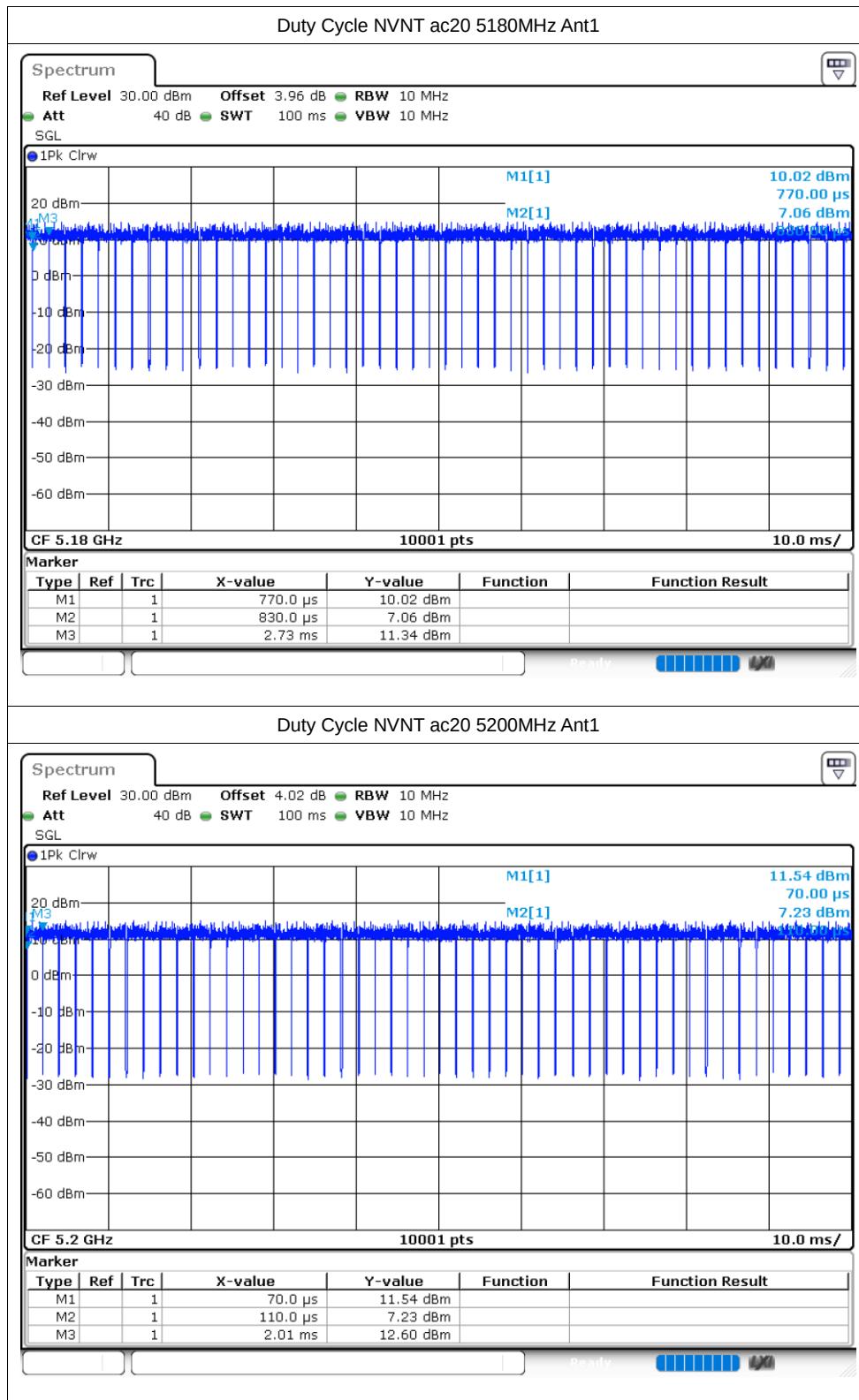
Duty Cycle NVNT a 5200MHz Ant1

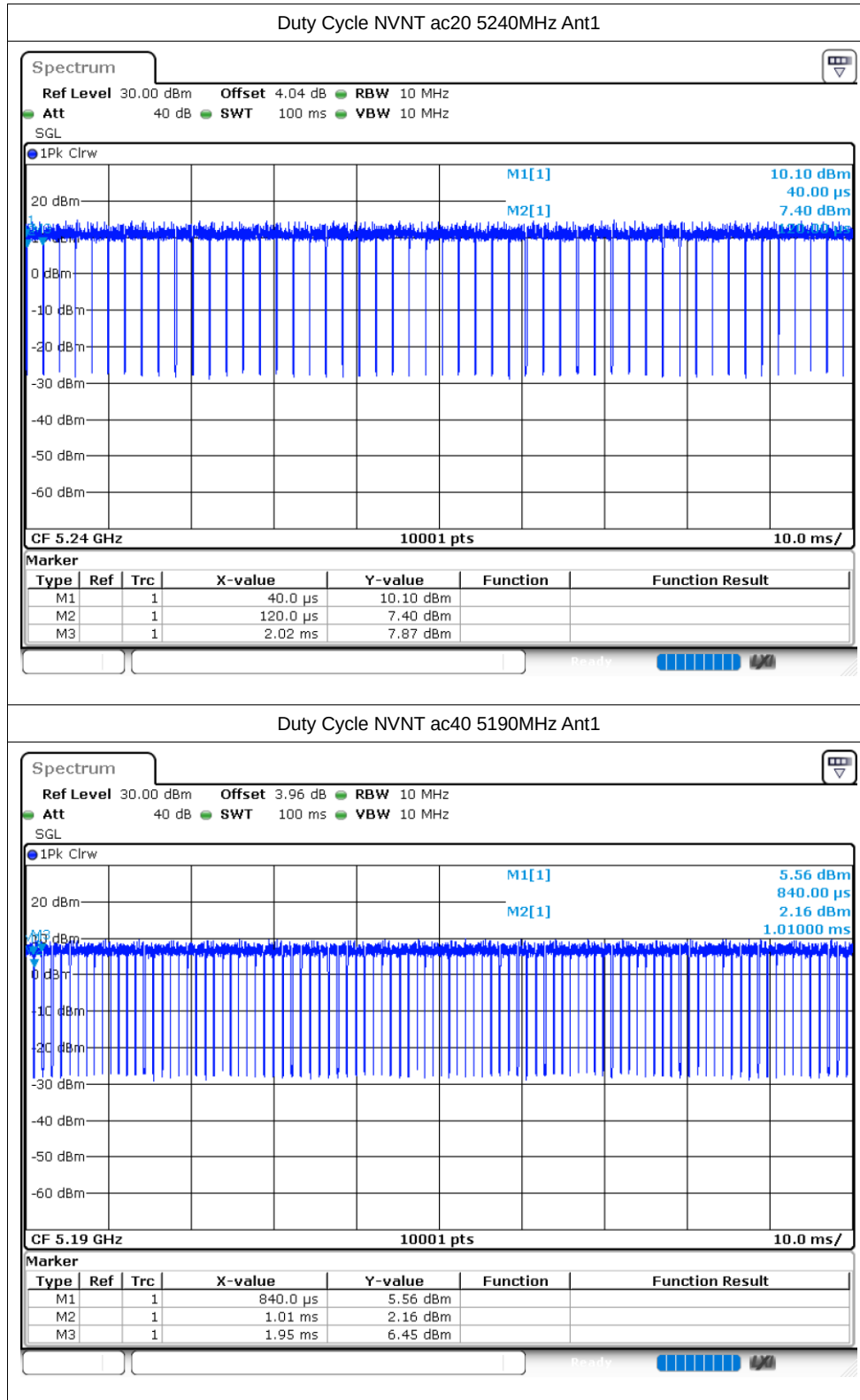


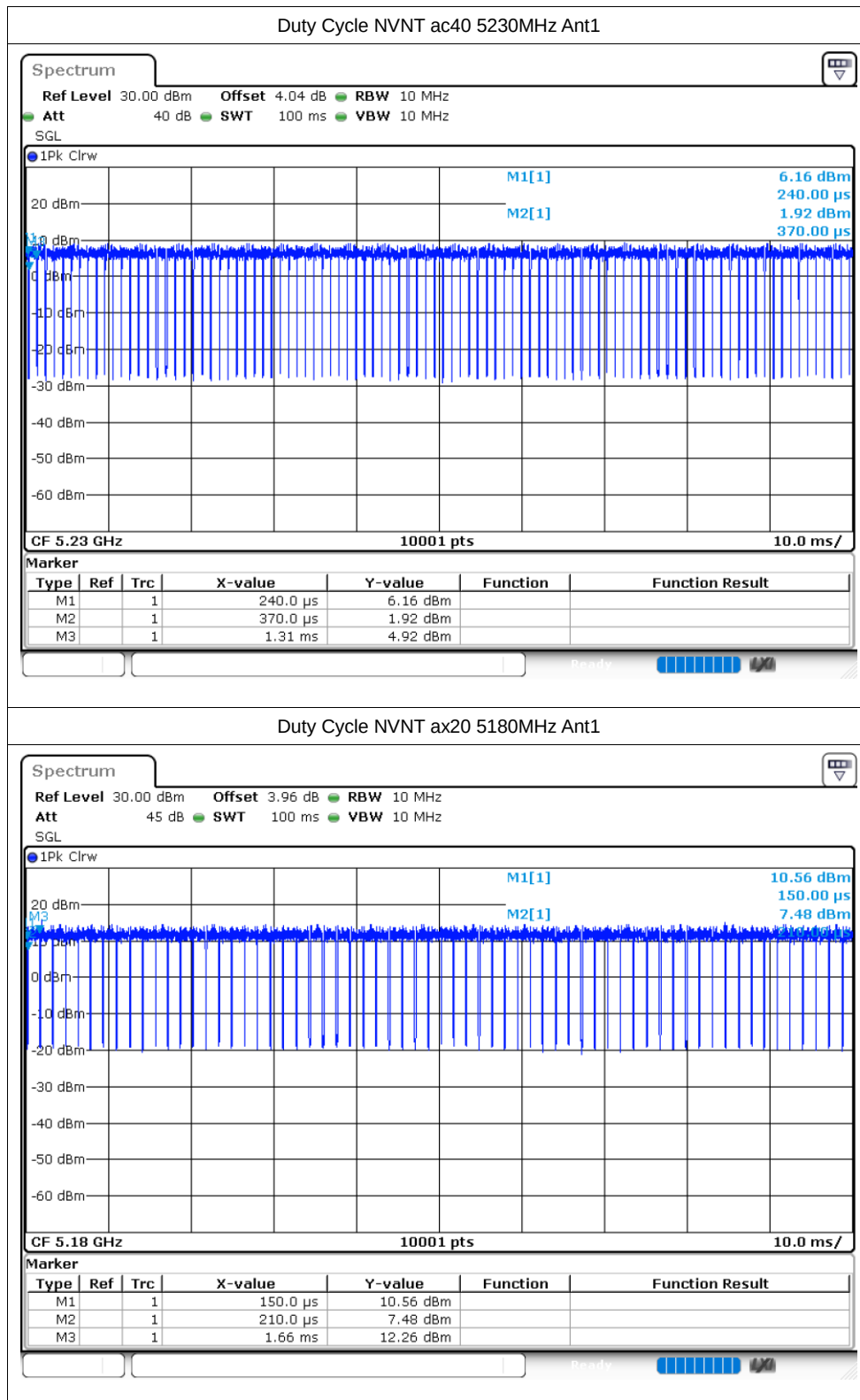


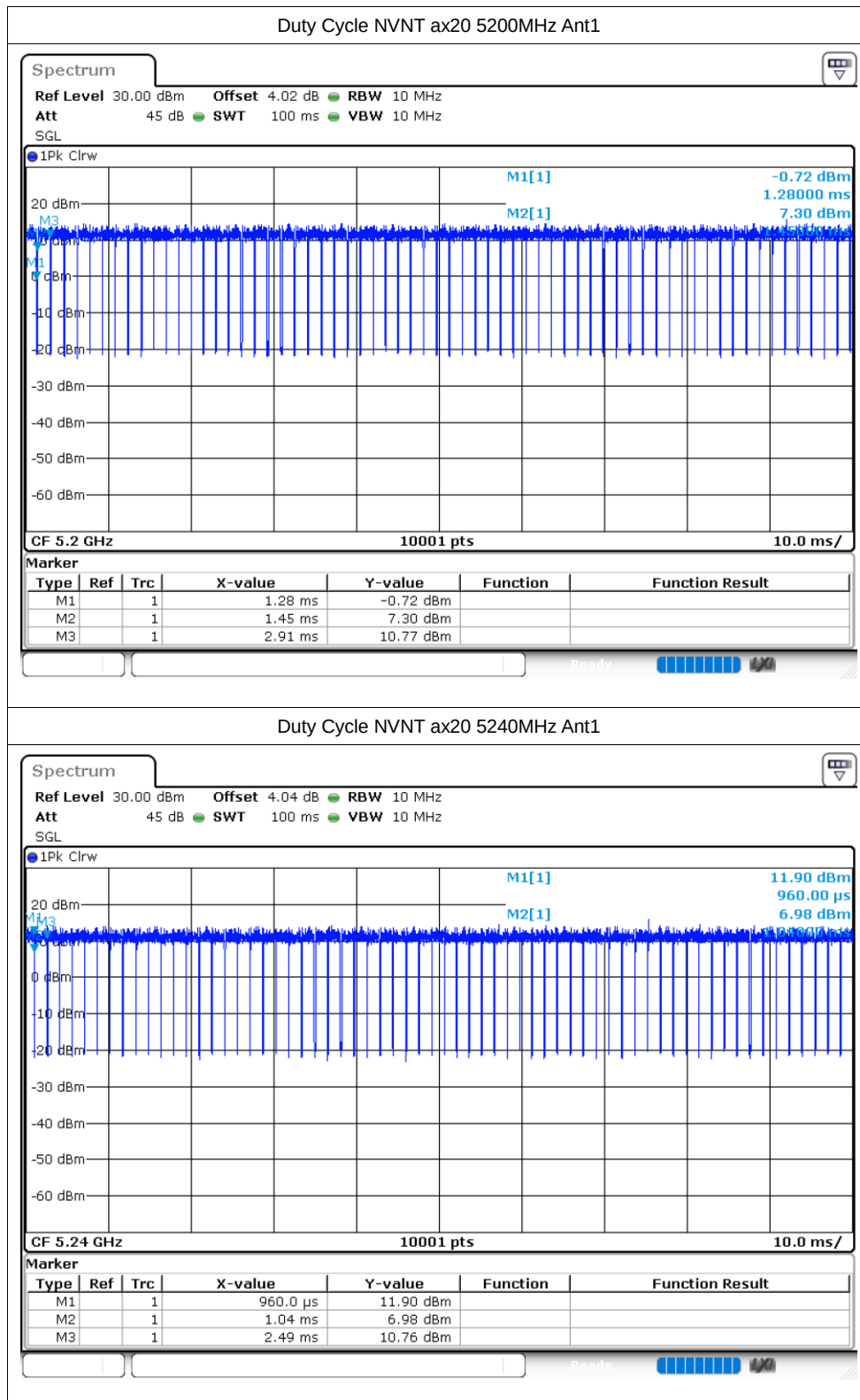


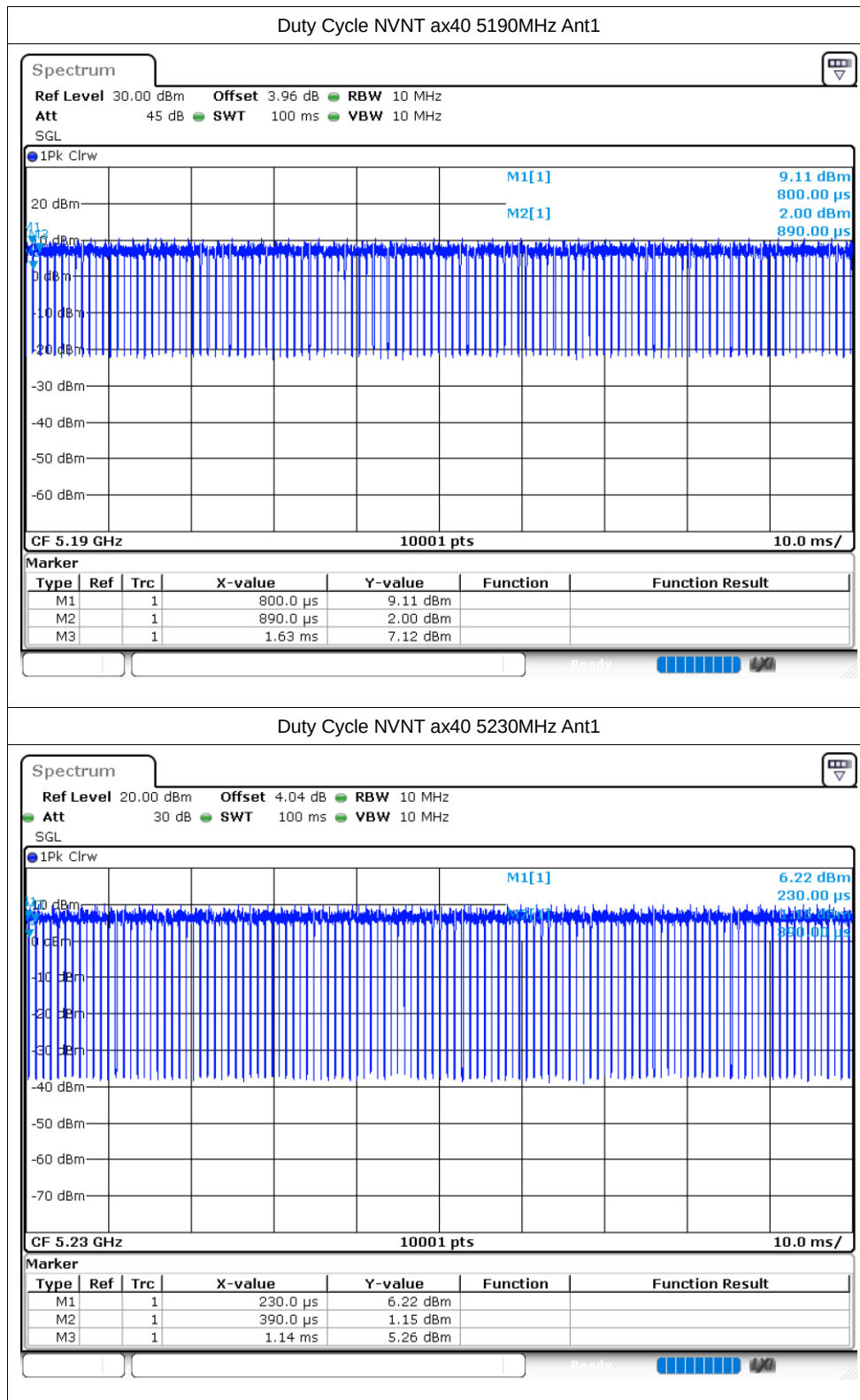












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	7.12	24	Pass
NVNT	a	5200	Ant1	7.24	24	Pass
NVNT	a	5240	Ant1	7.12	24	Pass
NVNT	n20	5180	Ant1	7.21	24	Pass
NVNT	n20	5200	Ant1	7.14	24	Pass
NVNT	n20	5240	Ant1	6.96	24	Pass
NVNT	n40	5190	Ant1	5.35	24	Pass
NVNT	n40	5230	Ant1	5.34	24	Pass
NVNT	ac20	5180	Ant1	7.1	24	Pass
NVNT	ac20	5200	Ant1	7.24	24	Pass
NVNT	ac20	5240	Ant1	6.95	24	Pass
NVNT	ac40	5190	Ant1	5.46	24	Pass
NVNT	ac40	5230	Ant1	5.34	24	Pass
NVNT	ax20	5180	Ant1	7.08	24	Pass
NVNT	ax20	5200	Ant1	7.09	24	Pass
NVNT	ax20	5240	Ant1	6.87	24	Pass
NVNT	ax40	5190	Ant1	5.81	24	Pass
NVNT	ax40	5230	Ant1	5.59	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.327	Pass
NVNT	a	5200	Ant1	20.532	Pass
NVNT	a	5240	Ant1	21.096	Pass
NVNT	n20	5180	Ant1	21.849	Pass
NVNT	n20	5200	Ant1	22.26	Pass
NVNT	n20	5240	Ant1	21.102	Pass
NVNT	n40	5190	Ant1	49.062	Pass
NVNT	n40	5230	Ant1	49.5	Pass
NVNT	ac20	5180	Ant1	21.786	Pass
NVNT	ac20	5200	Ant1	21.501	Pass
NVNT	ac20	5240	Ant1	22.011	Pass
NVNT	ac40	5190	Ant1	49.218	Pass
NVNT	ac40	5230	Ant1	49.584	Pass
NVNT	ax20	5180	Ant1	21.807	Pass
NVNT	ax20	5200	Ant1	21.903	Pass
NVNT	ax20	5240	Ant1	21.18	Pass
NVNT	ax40	5190	Ant1	46.53	Pass
NVNT	ax40	5230	Ant1	45.972	Pass

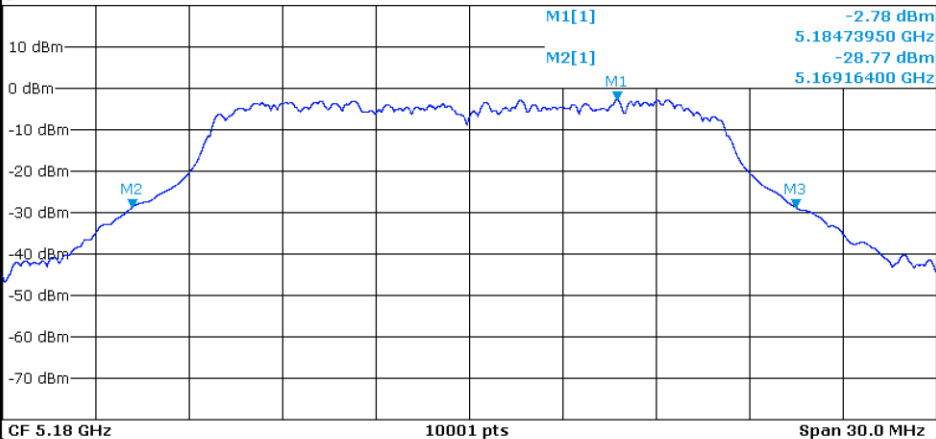
Test Graphs

-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

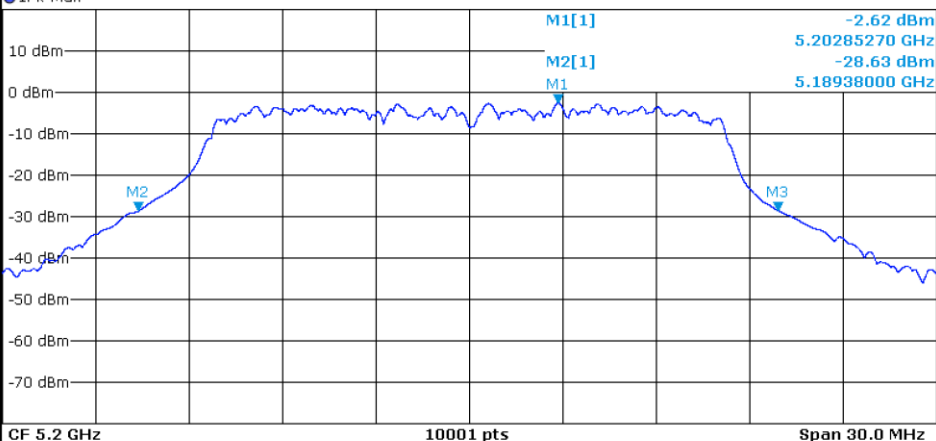
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1847395 GHz	-2.78 dBm		
M2		1	5.169164 GHz	-28.77 dBm		
M3		1	5.190491 GHz	-28.78 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

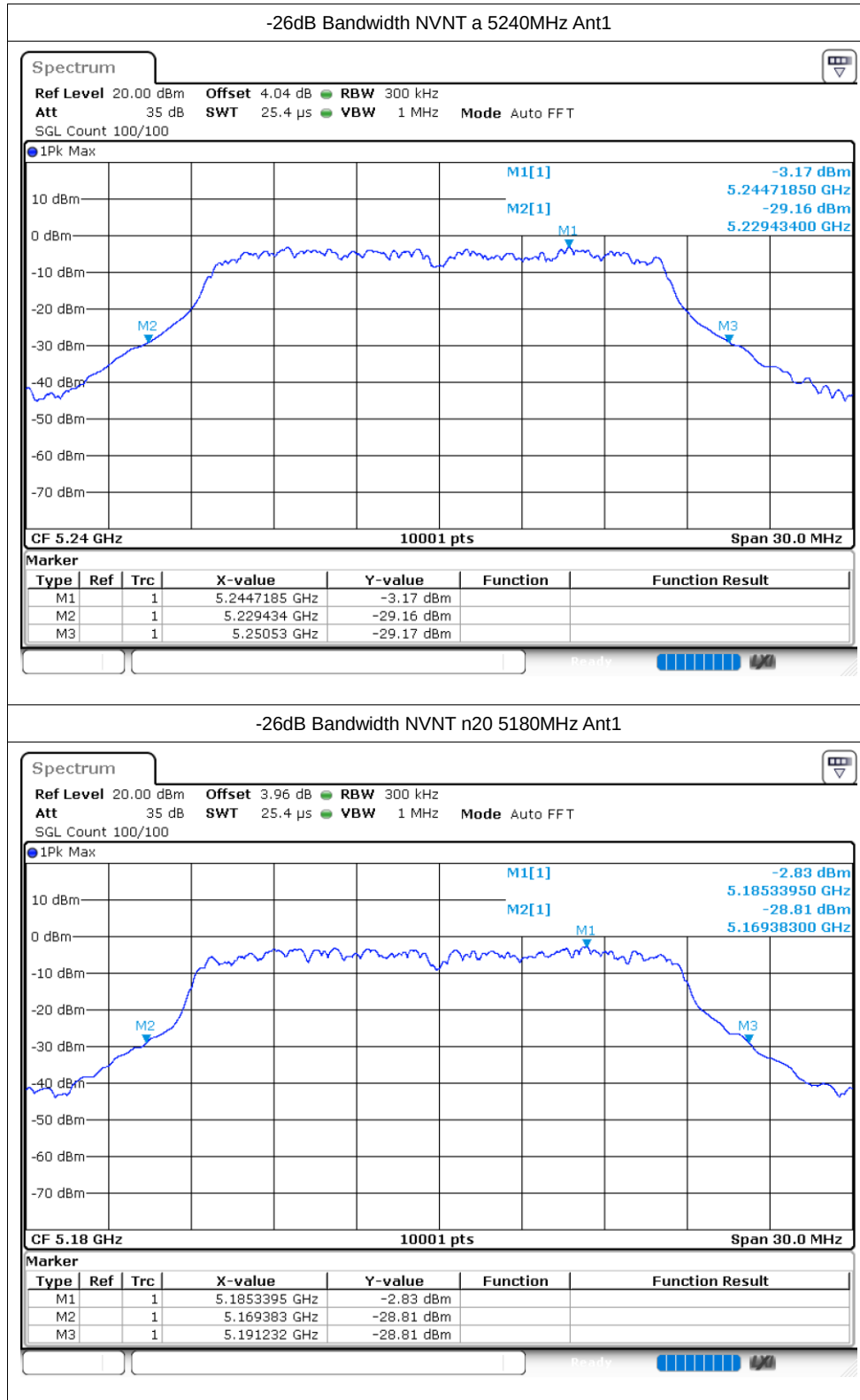
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

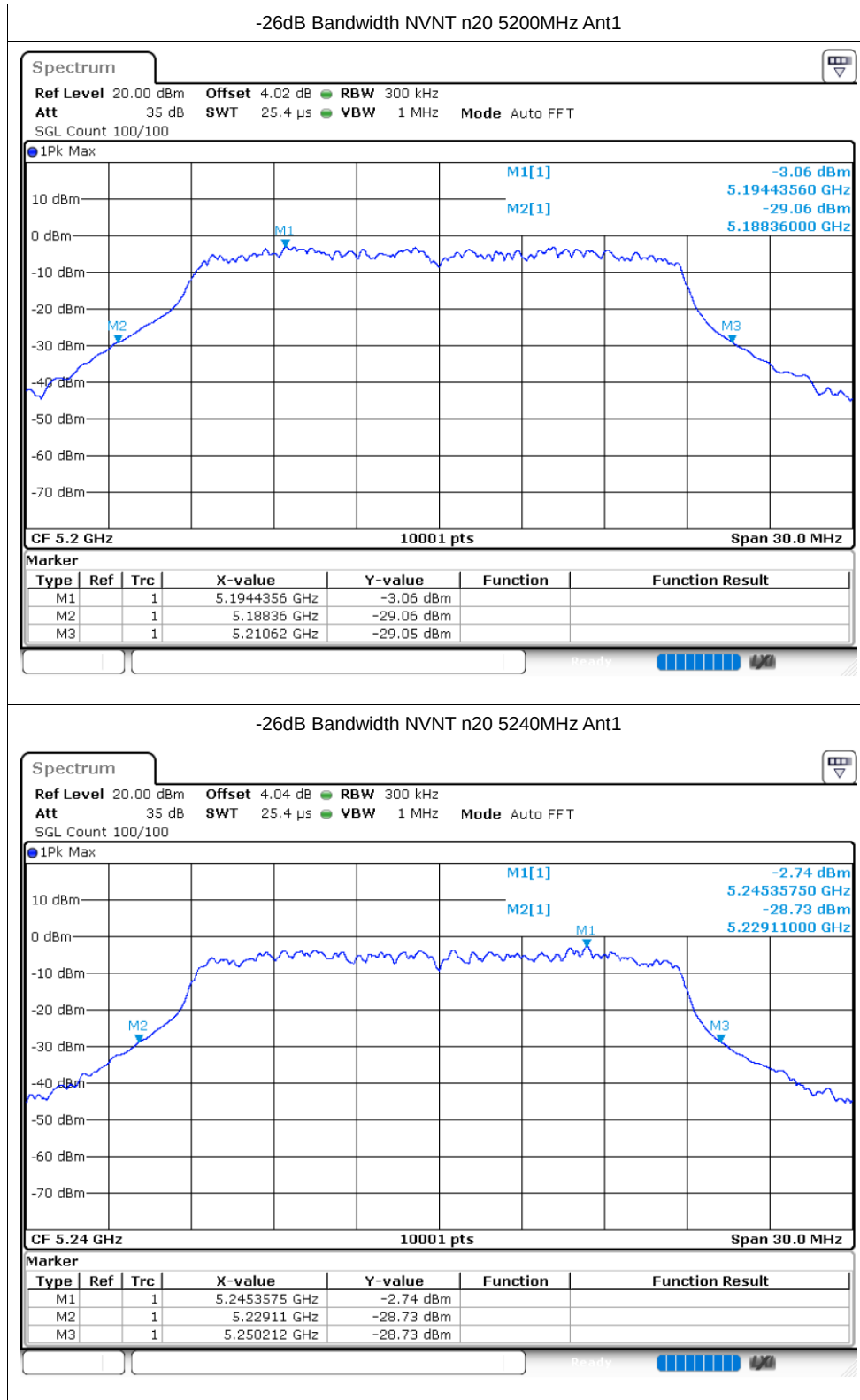
1Pk Max

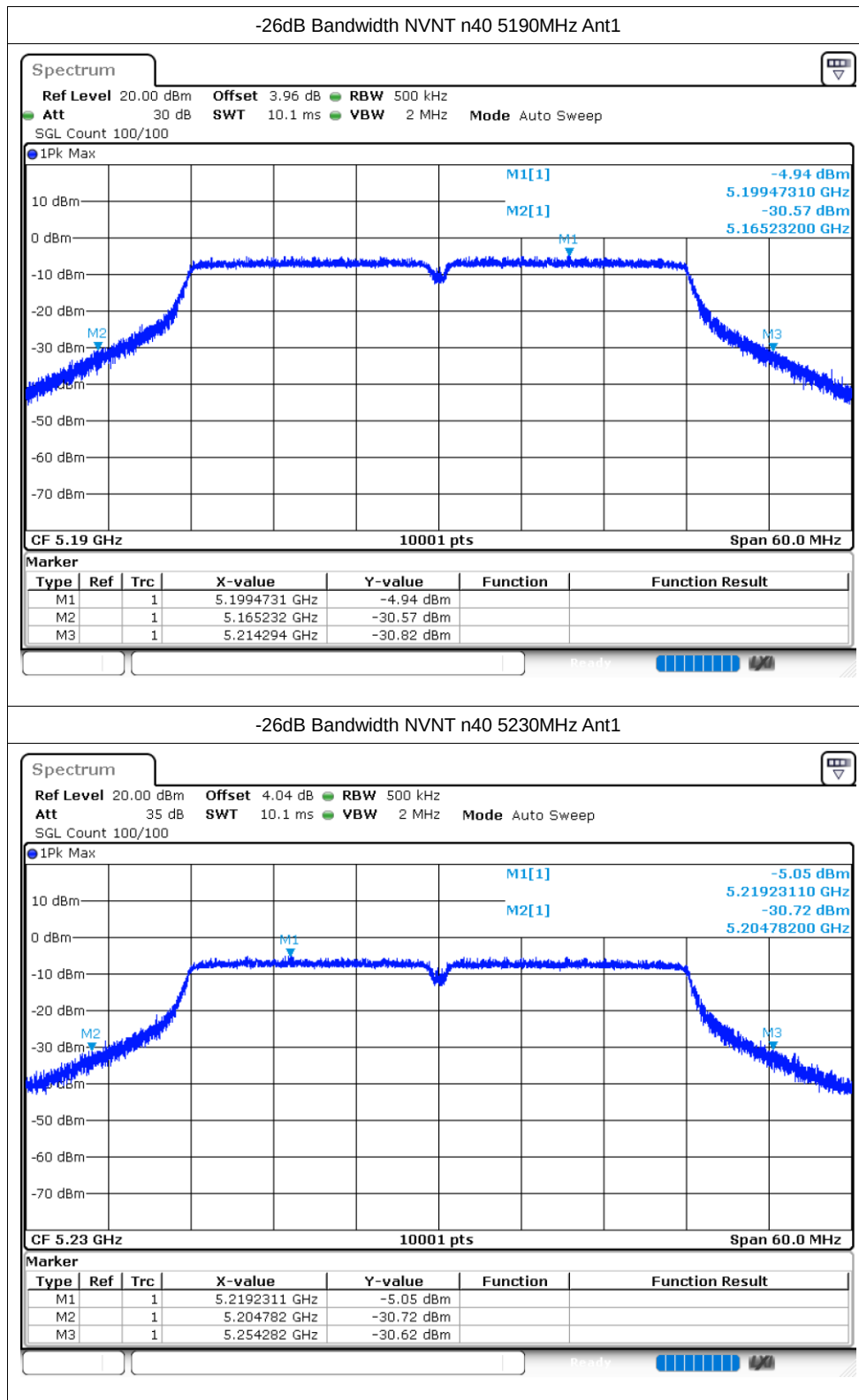


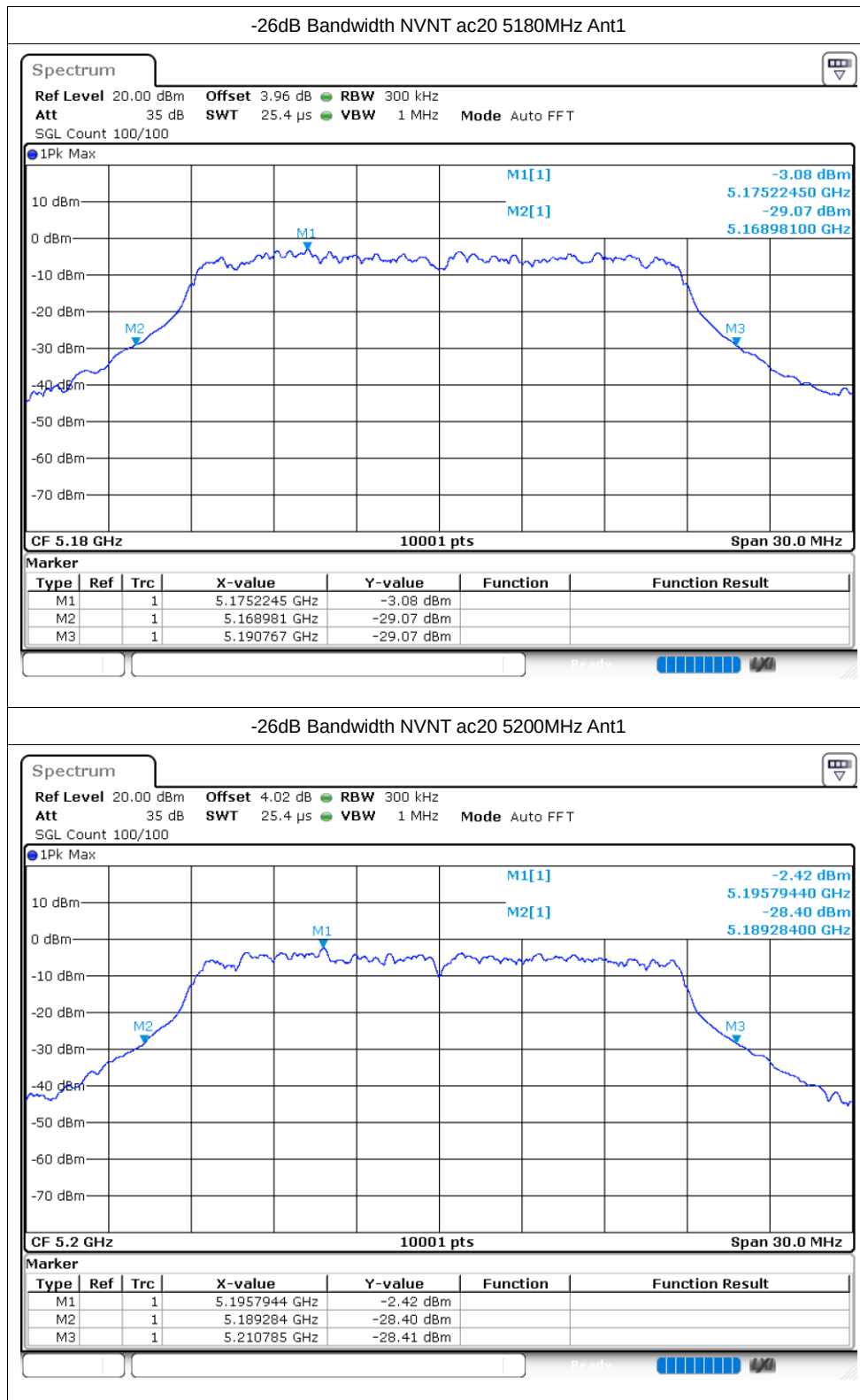
Marker

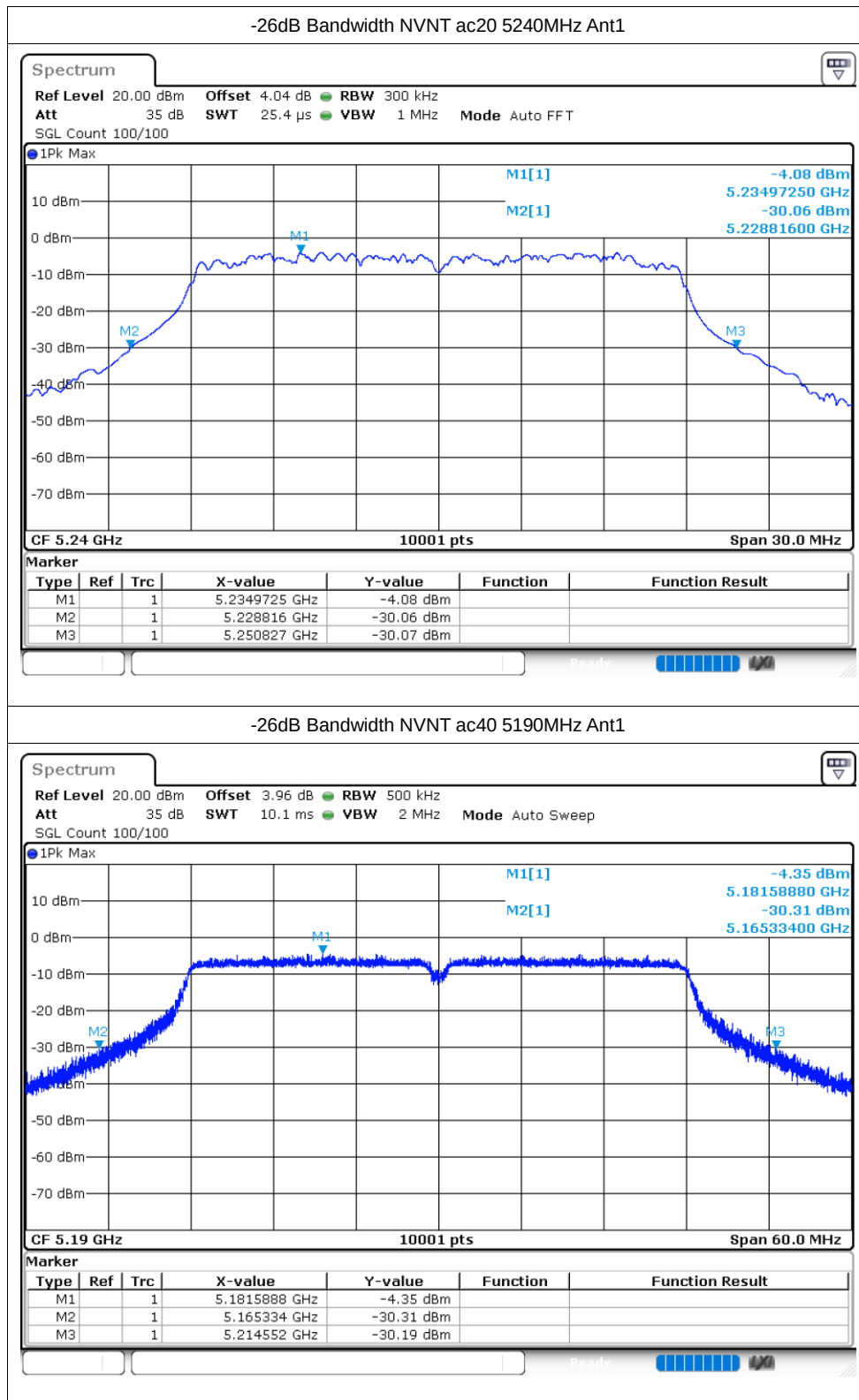
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2028527 GHz	-2.62 dBm		
M2		1	5.18938 GHz	-28.63 dBm		
M3		1	5.209912 GHz	-28.62 dBm		

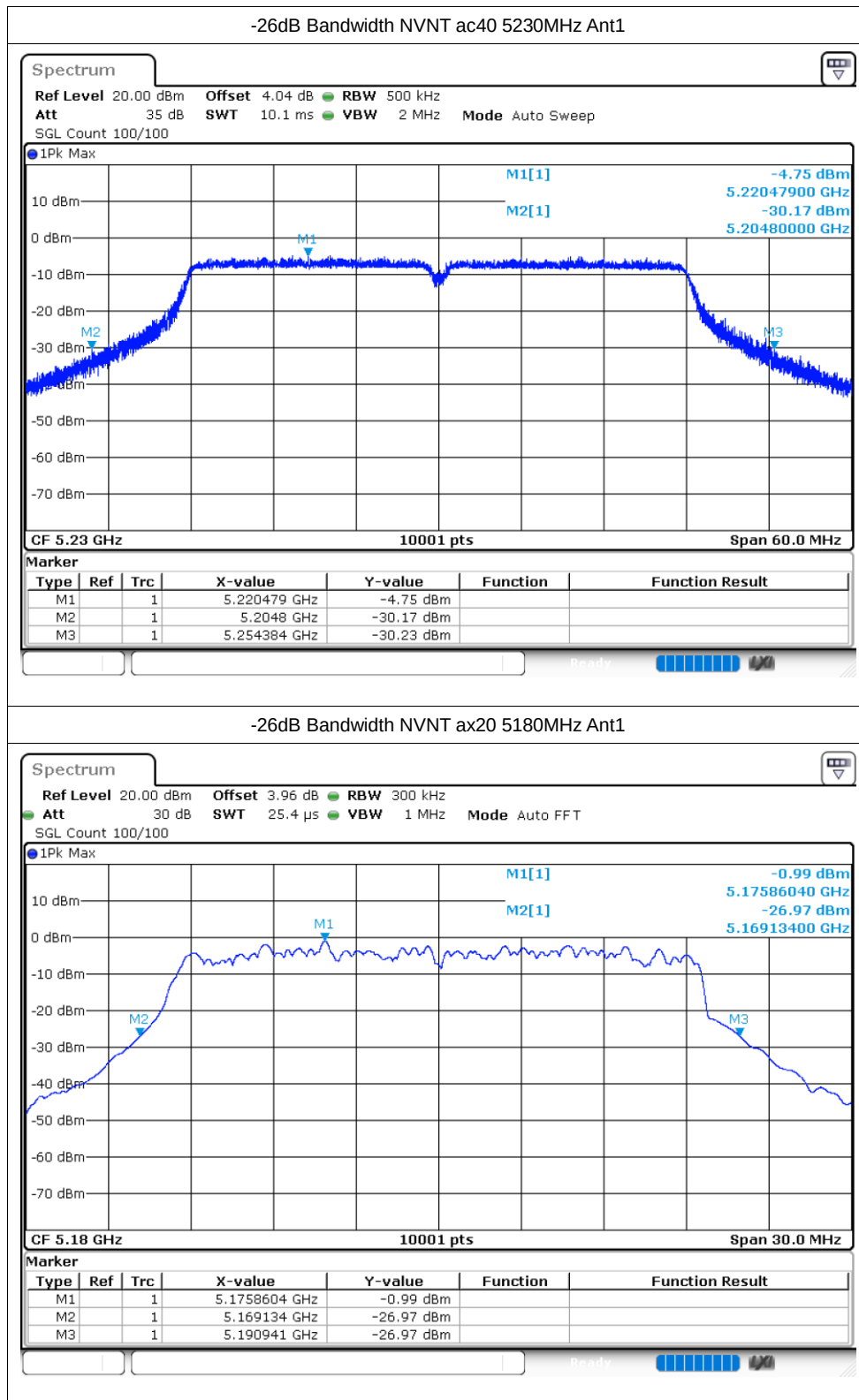


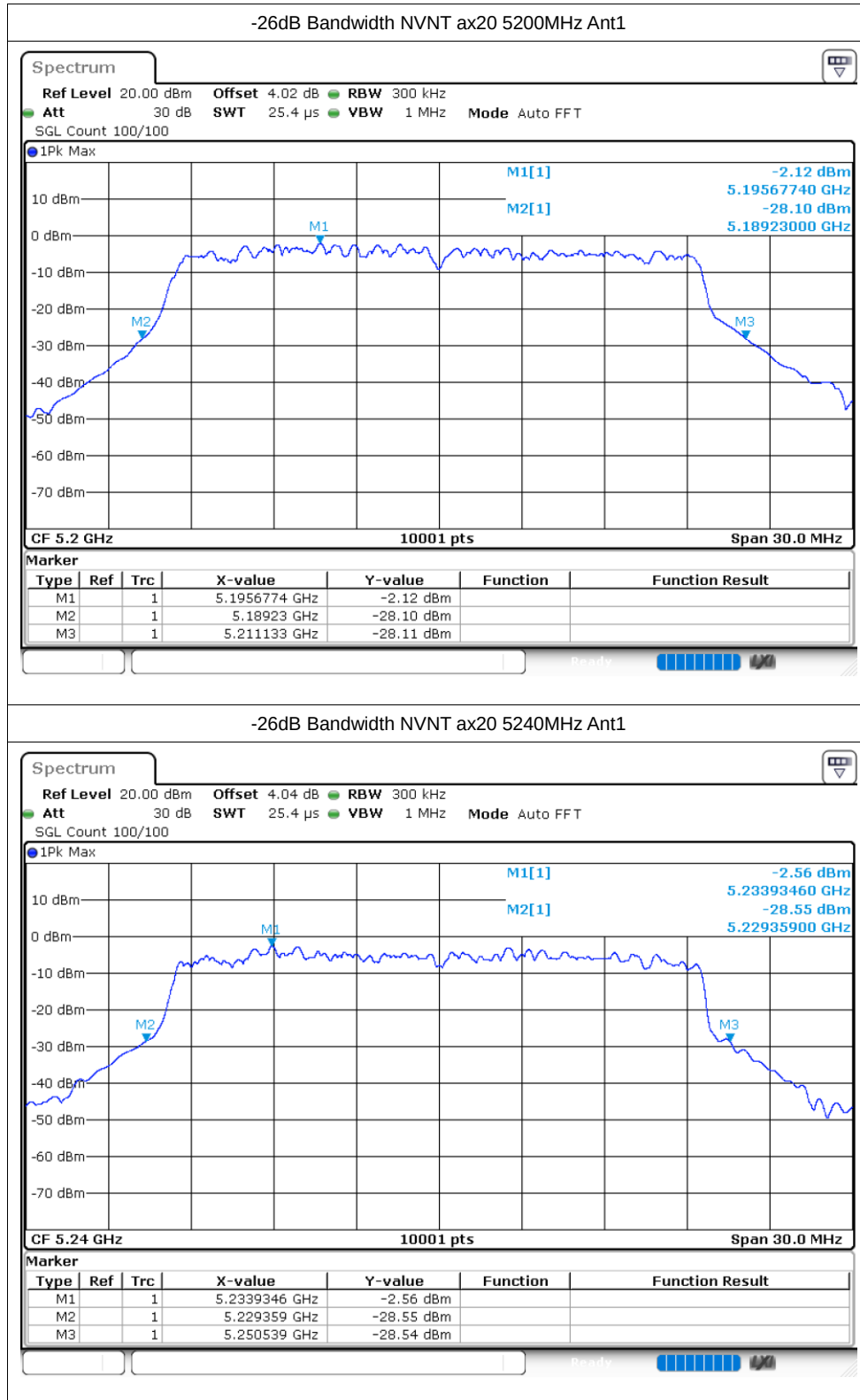


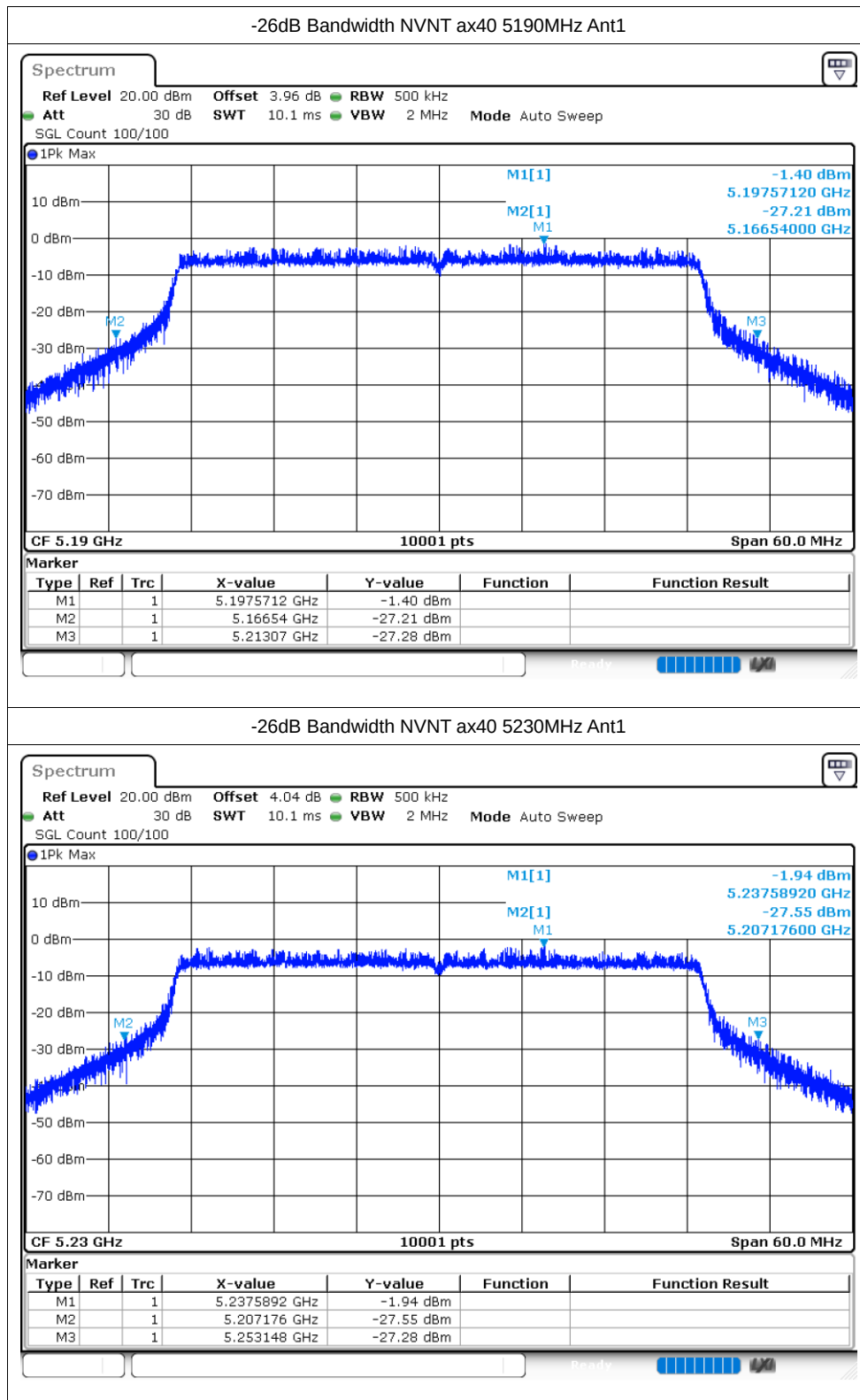










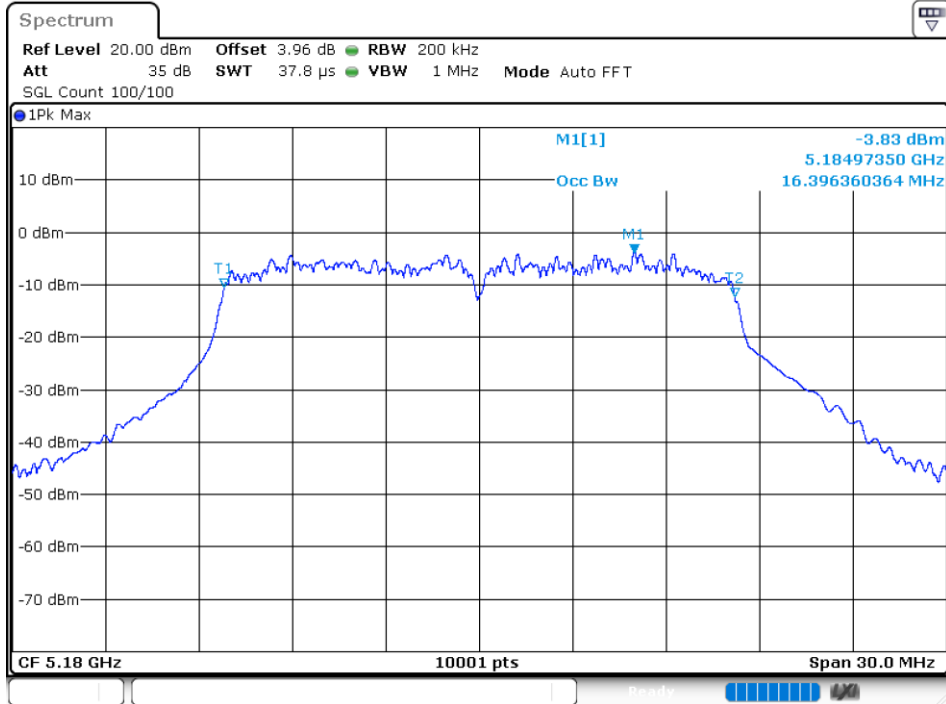


Occupied Channel Bandwidth

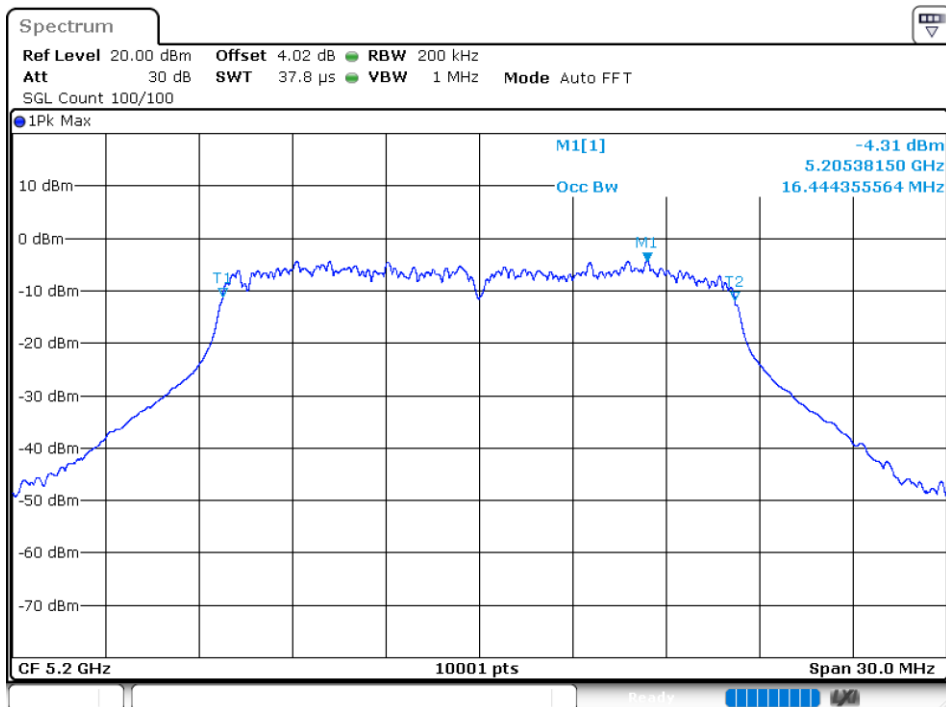
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.396
NVNT	a	5200	Ant1	16.444
NVNT	a	5240	Ant1	16.477
NVNT	n20	5180	Ant1	17.635
NVNT	n20	5200	Ant1	17.605
NVNT	n20	5240	Ant1	17.716
NVNT	n40	5190	Ant1	36.782
NVNT	n40	5230	Ant1	36.83
NVNT	ac20	5180	Ant1	17.584
NVNT	ac20	5200	Ant1	17.692
NVNT	ac20	5240	Ant1	17.581
NVNT	ac40	5190	Ant1	36.716
NVNT	ac40	5230	Ant1	36.722
NVNT	ax20	5180	Ant1	18.883
NVNT	ax20	5200	Ant1	18.928
NVNT	ax20	5240	Ant1	18.955
NVNT	ax40	5190	Ant1	37.958
NVNT	ax40	5230	Ant1	37.964

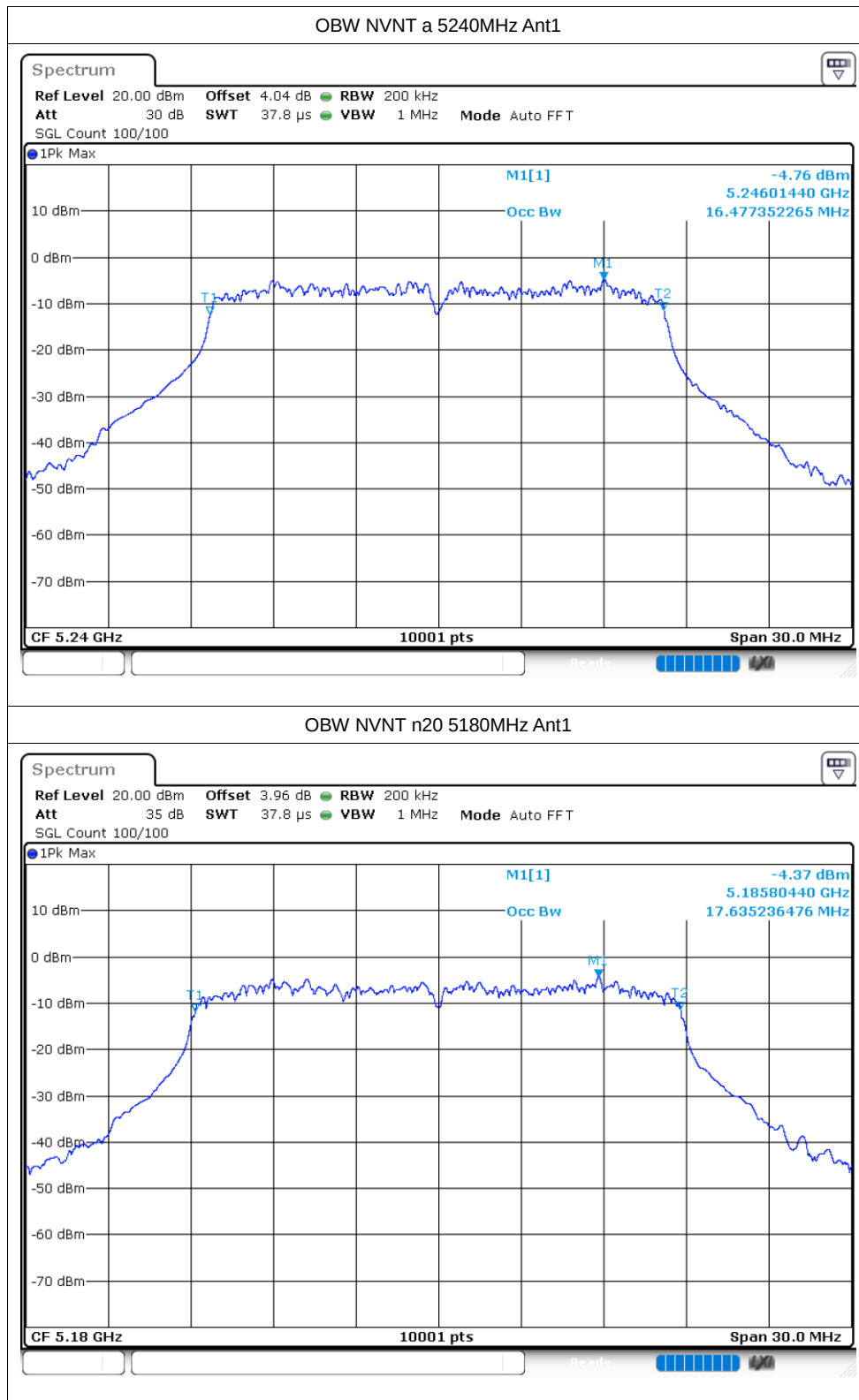
Test Graphs

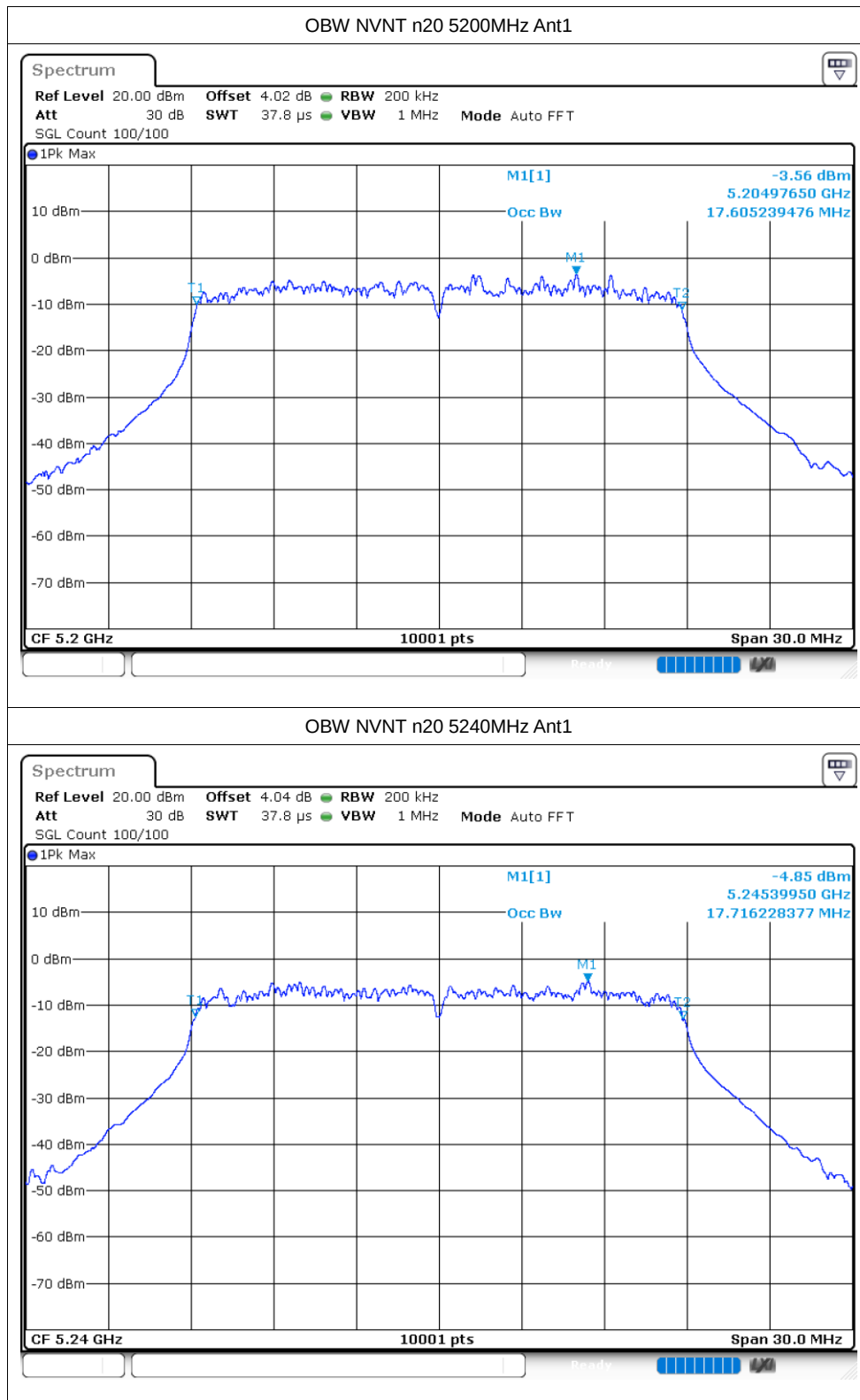
OBW NVNT a 5180MHz Ant1

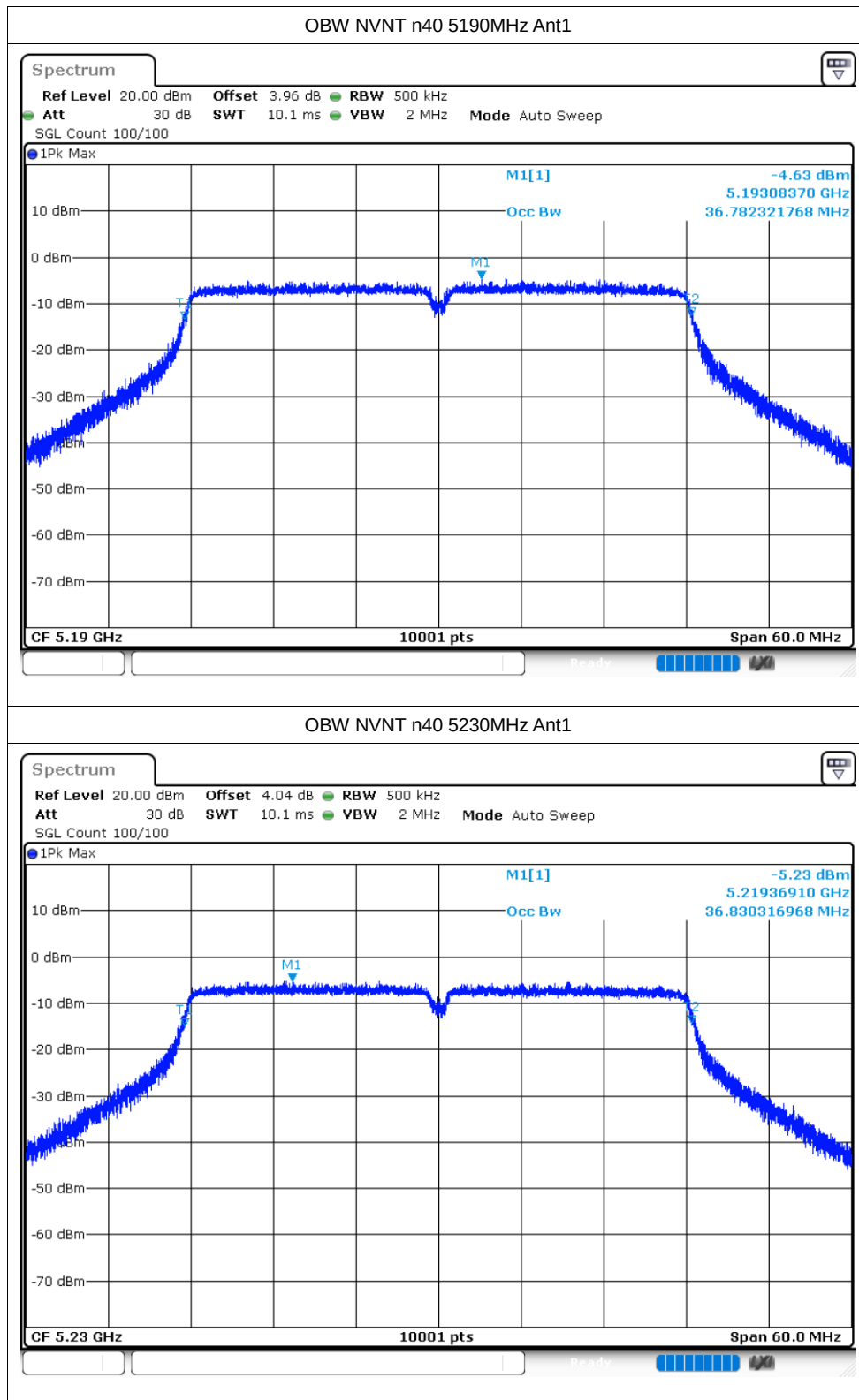


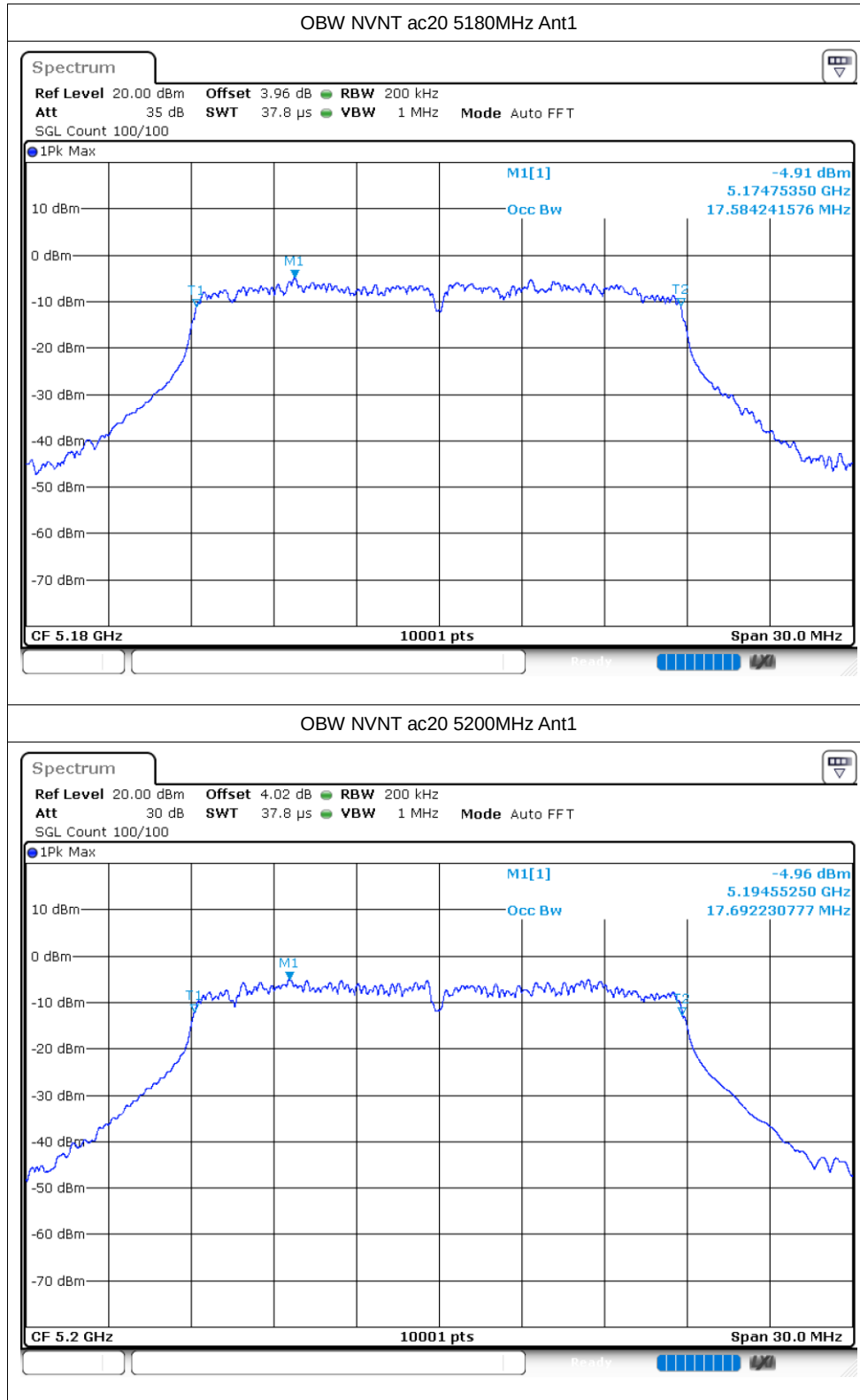
OBW NVNT a 5200MHz Ant1

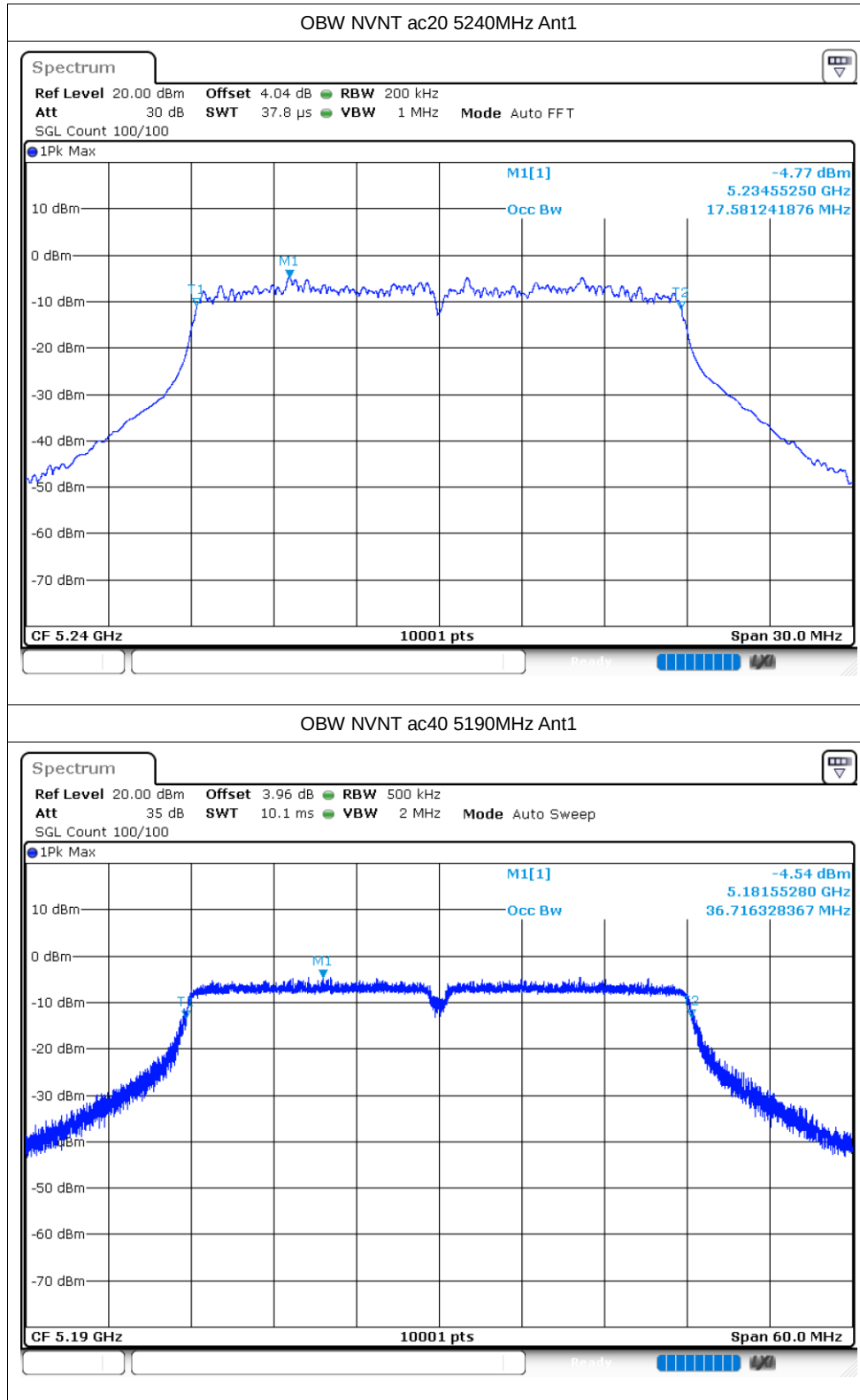


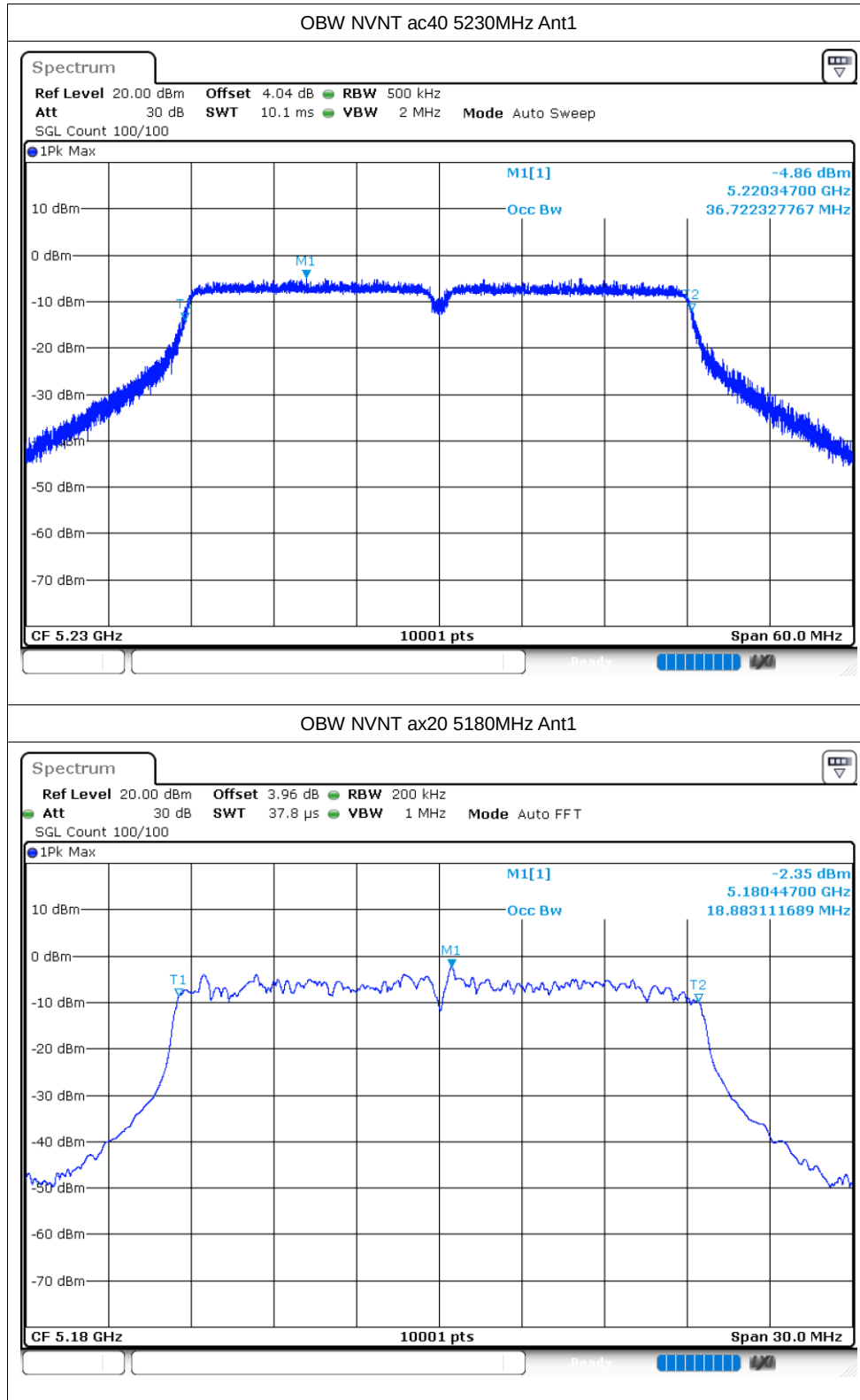


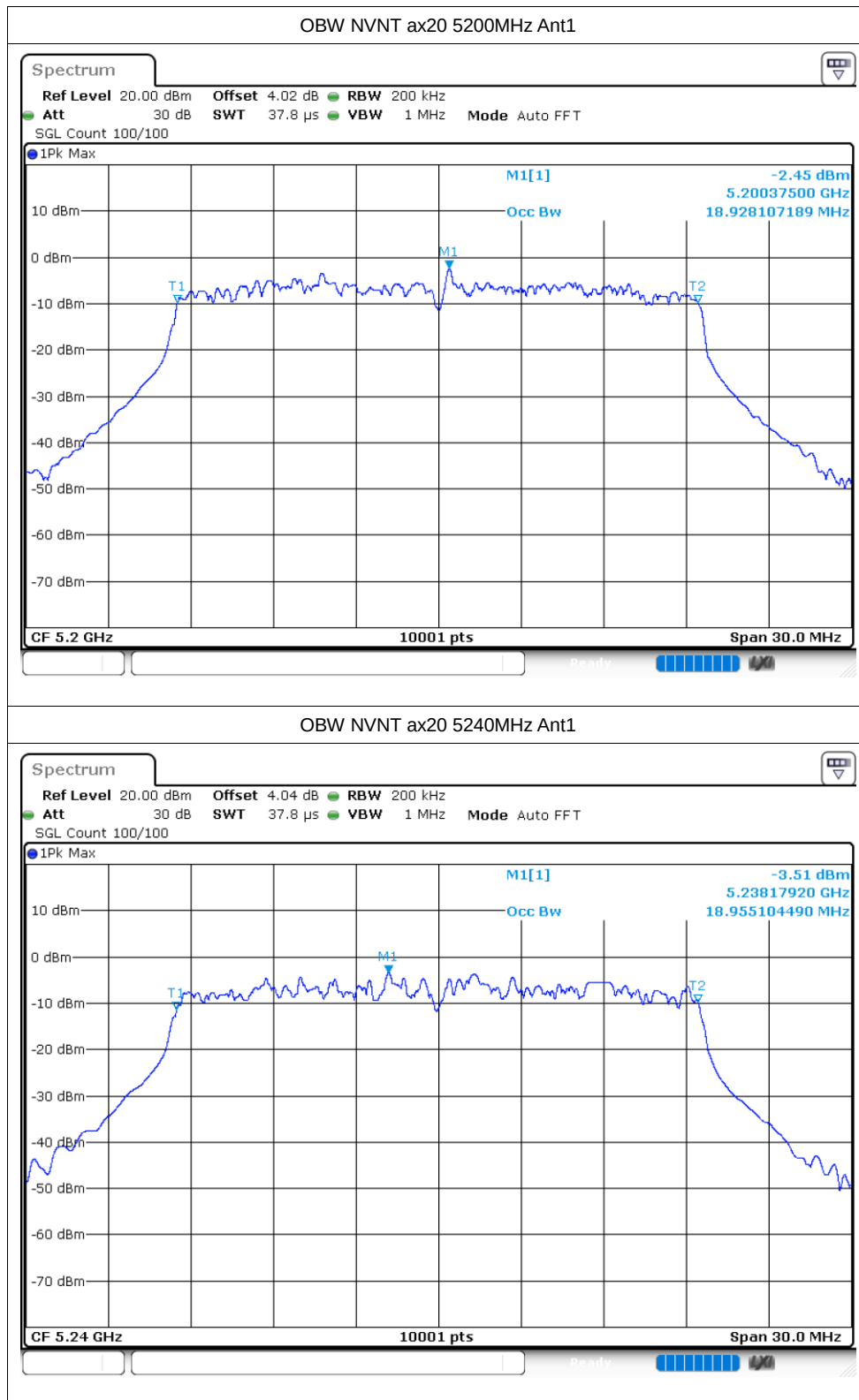


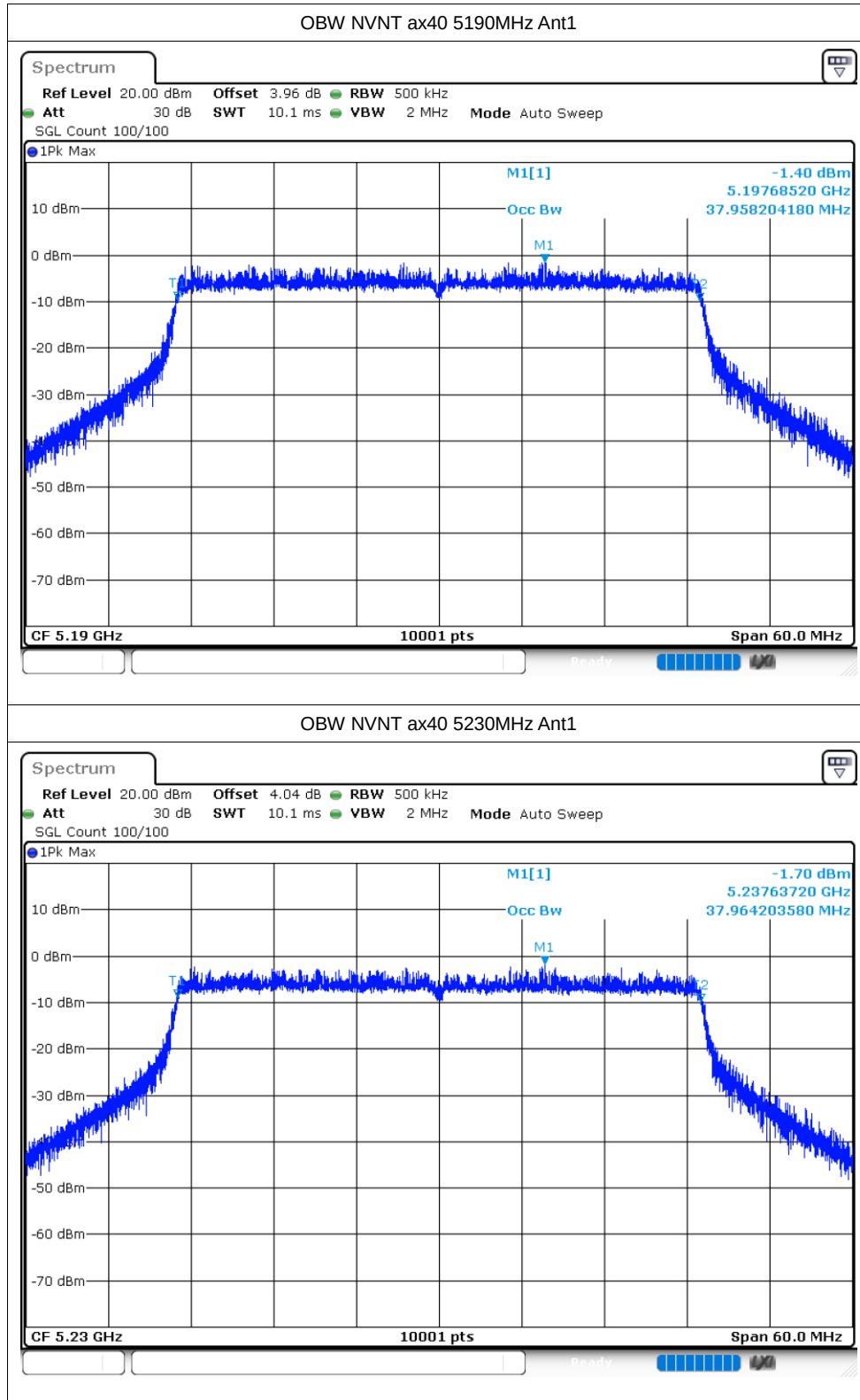










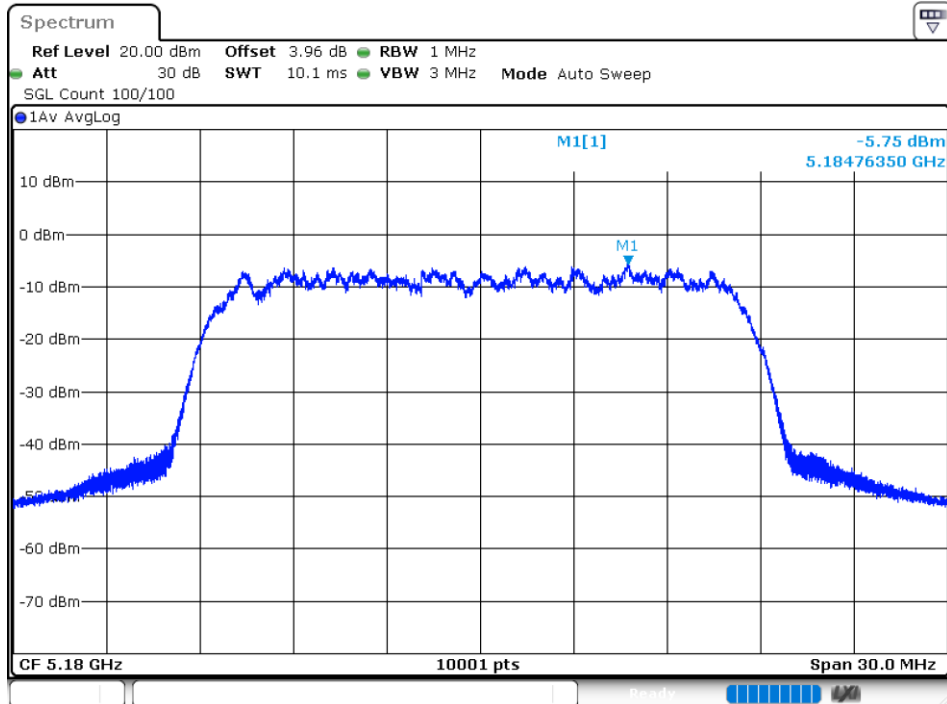


Maximum Power Spectral Density Level

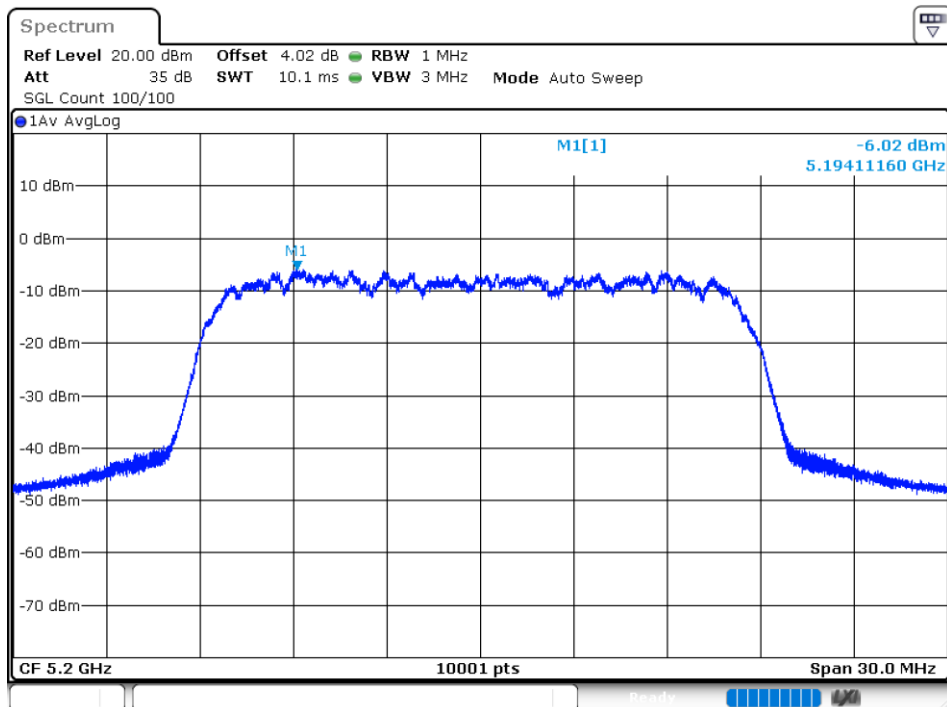
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-5.75	0.2	-5.55	11	Pass
NVNT	a	5200	Ant1	-6.02	0.21	-5.81	11	Pass
NVNT	a	5240	Ant1	-6.26	0.19	-6.07	11	Pass
NVNT	n20	5180	Ant1	-5.89	0.22	-5.67	11	Pass
NVNT	n20	5200	Ant1	-5.72	0.22	-5.5	11	Pass
NVNT	n20	5240	Ant1	-6.28	0.23	-6.05	11	Pass
NVNT	n40	5190	Ant1	-12.89	0.45	-12.44	11	Pass
NVNT	n40	5230	Ant1	-13.18	0.46	-12.72	11	Pass
NVNT	ac20	5180	Ant1	-6.44	0.21	-6.23	11	Pass
NVNT	ac20	5200	Ant1	-6.57	0.22	-6.35	11	Pass
NVNT	ac20	5240	Ant1	-6.93	0.23	-6.7	11	Pass
NVNT	ac40	5190	Ant1	-12.4	0.44	-11.96	11	Pass
NVNT	ac40	5230	Ant1	-12.75	0.43	-12.32	11	Pass
NVNT	ax20	5180	Ant1	-6.78	0.29	-6.49	11	Pass
NVNT	ax20	5200	Ant1	-6.74	0.28	-6.46	11	Pass
NVNT	ax20	5240	Ant1	-7.9	0.24	-7.66	11	Pass
NVNT	ax40	5190	Ant1	-12.45	0.56	-11.89	11	Pass
NVNT	ax40	5230	Ant1	-13.34	0.53	-12.81	11	Pass

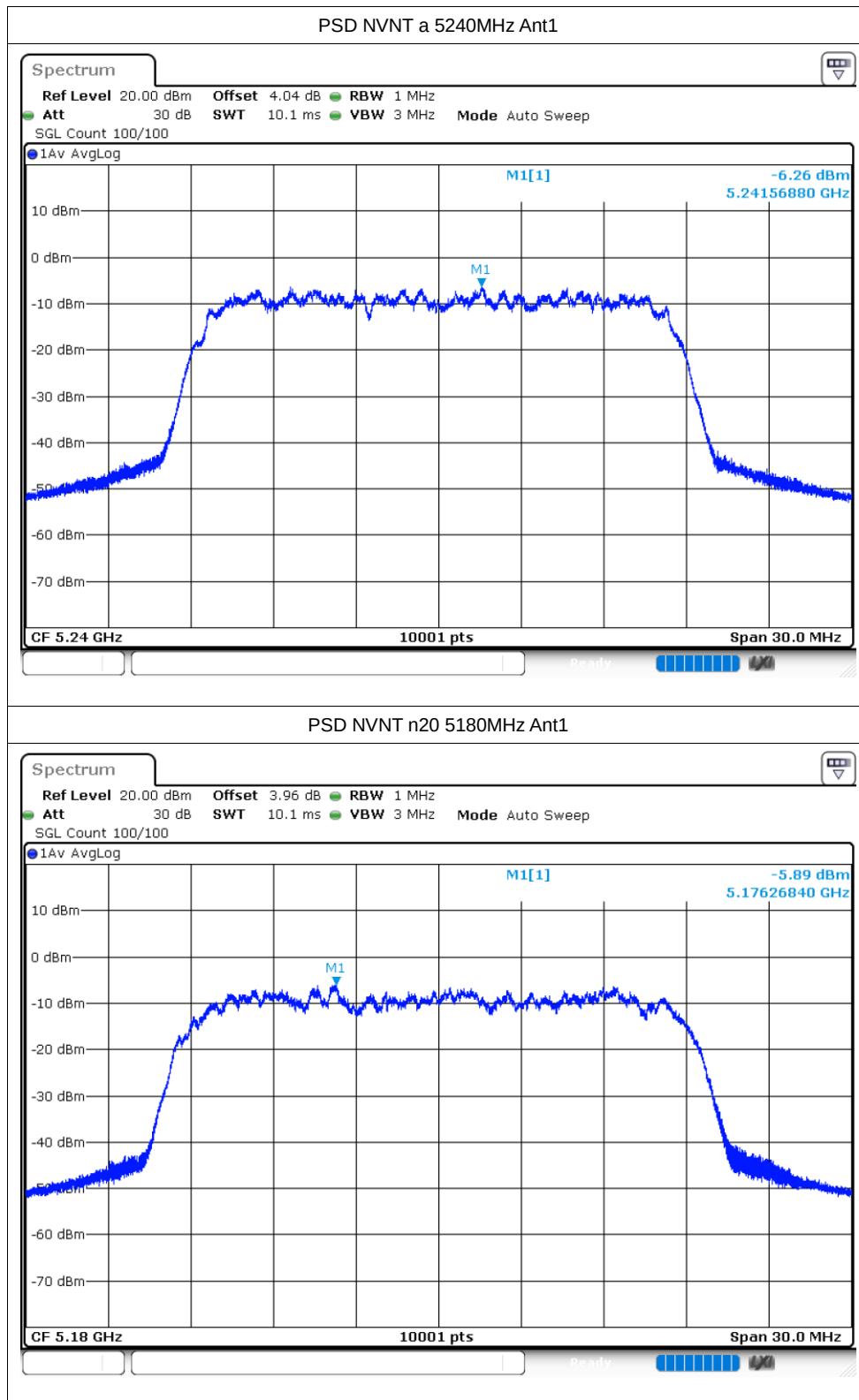
Test Graphs

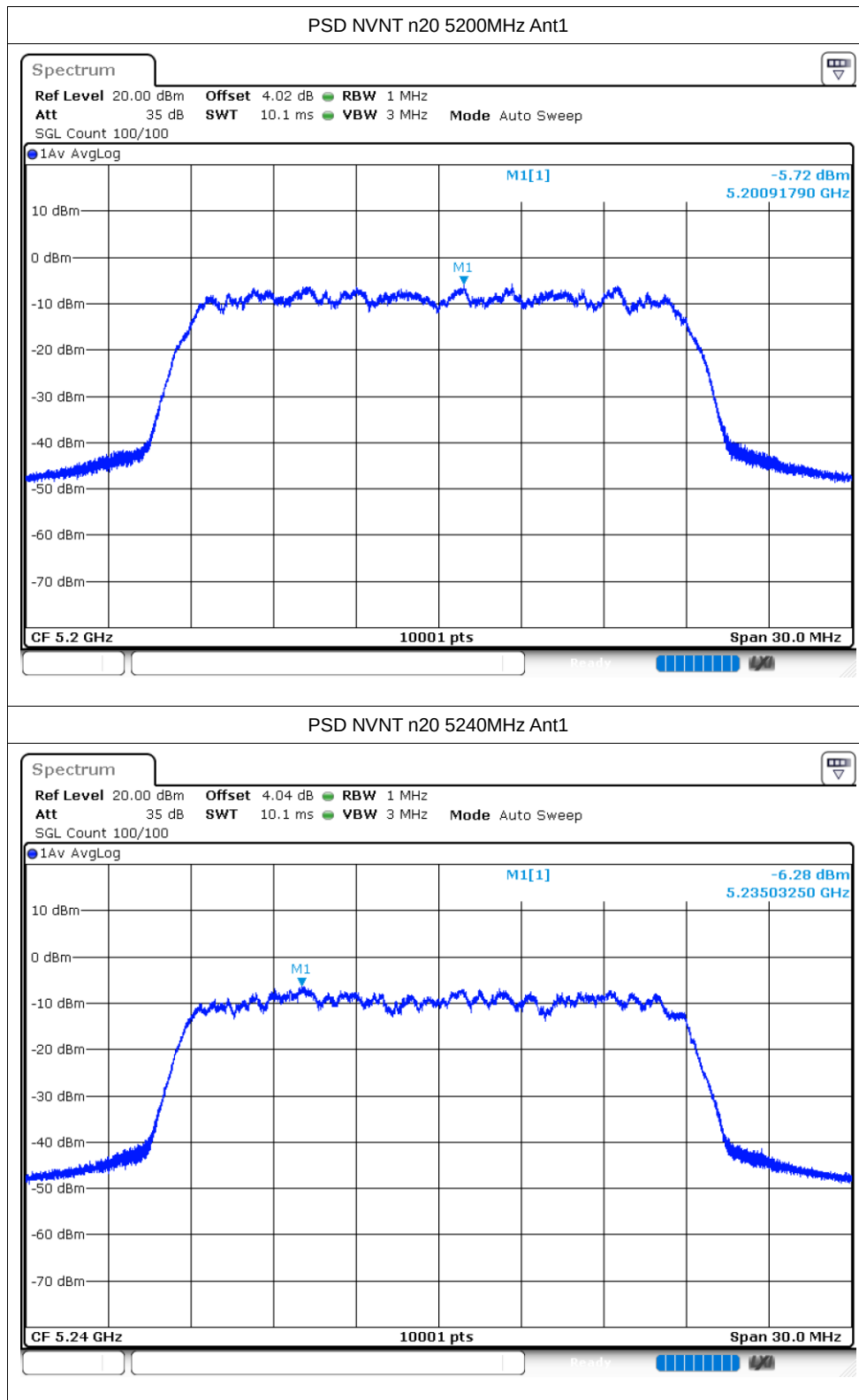
PSD NVNT a 5180MHz Ant1

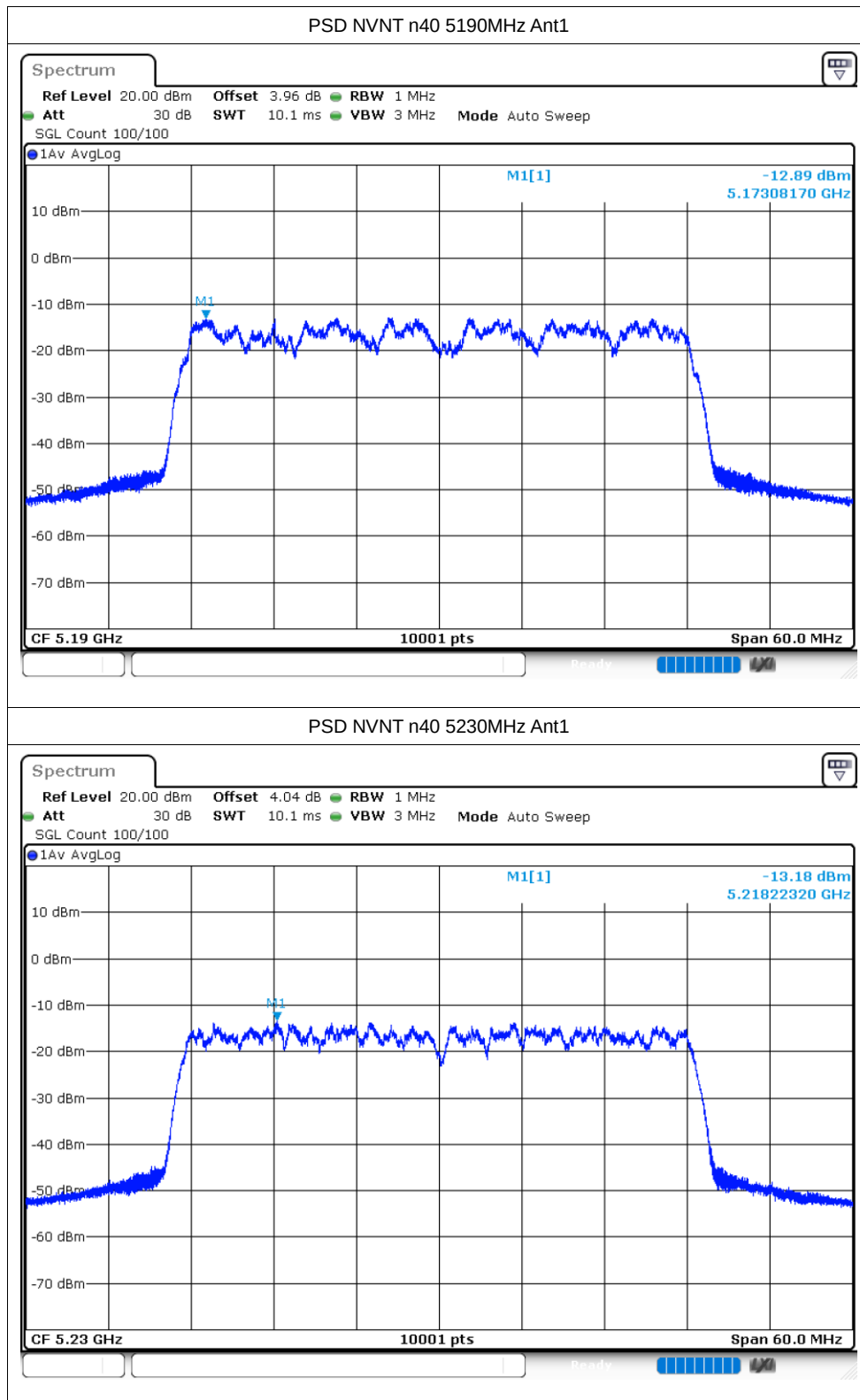


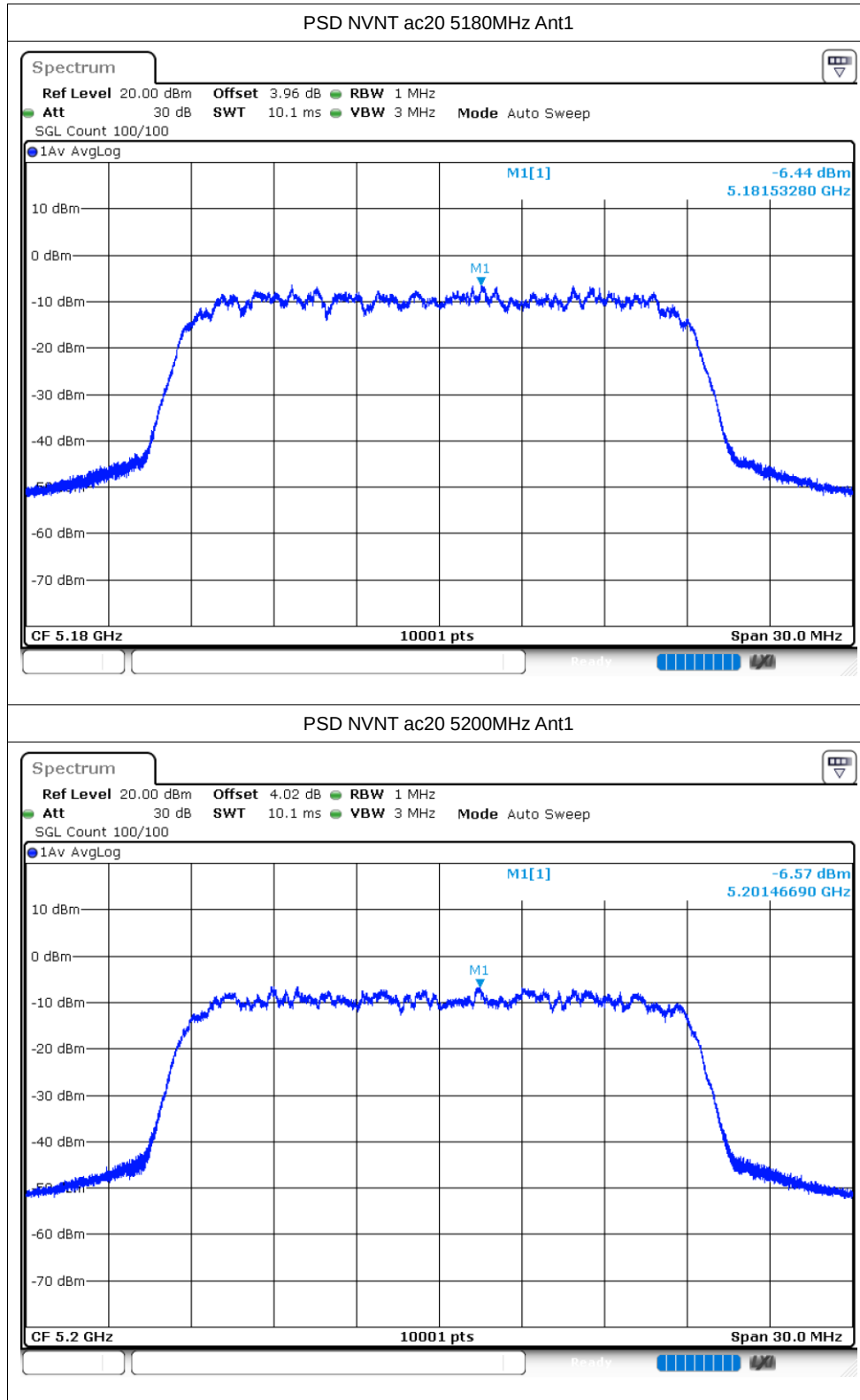
PSD NVNT a 5200MHz Ant1

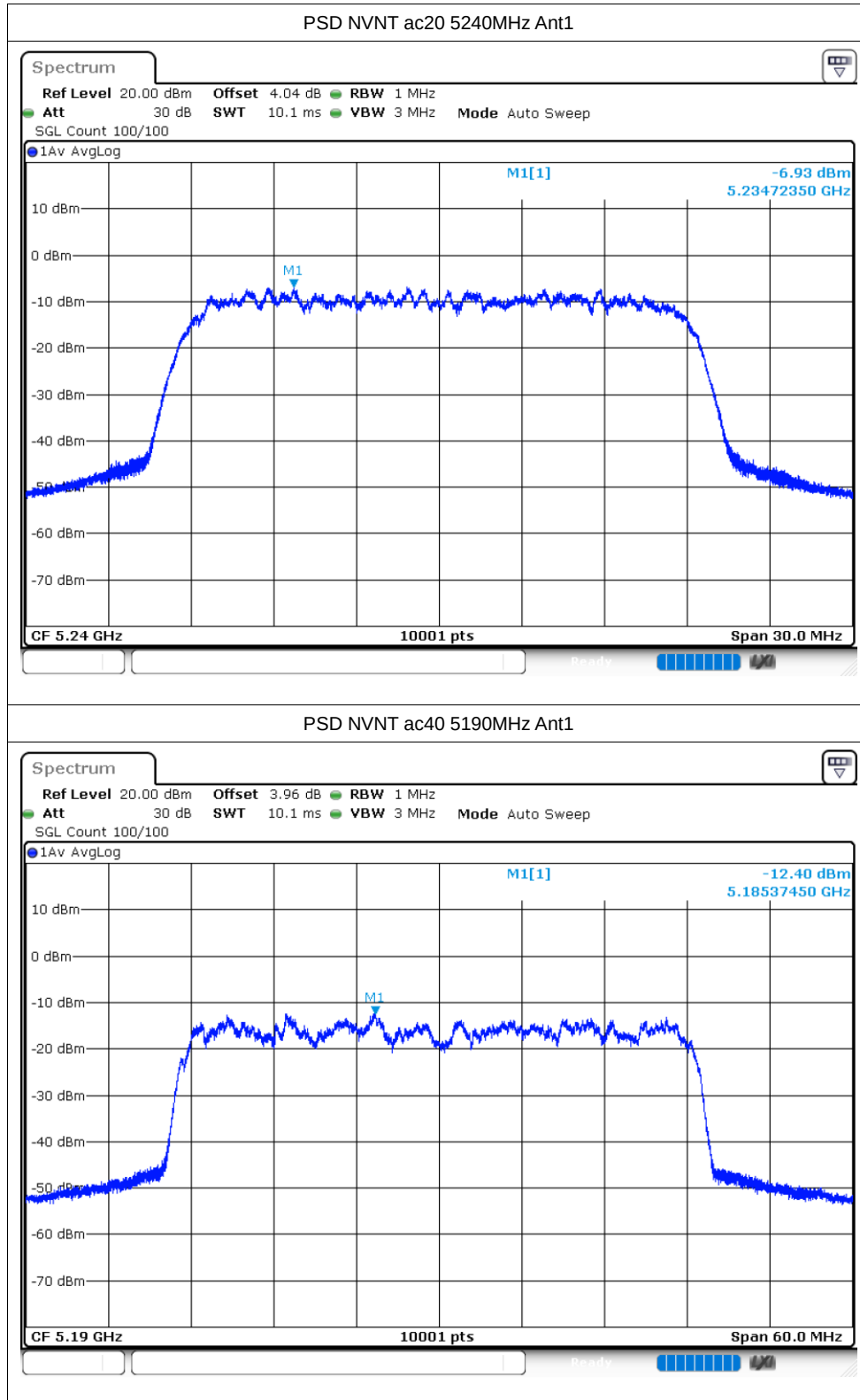


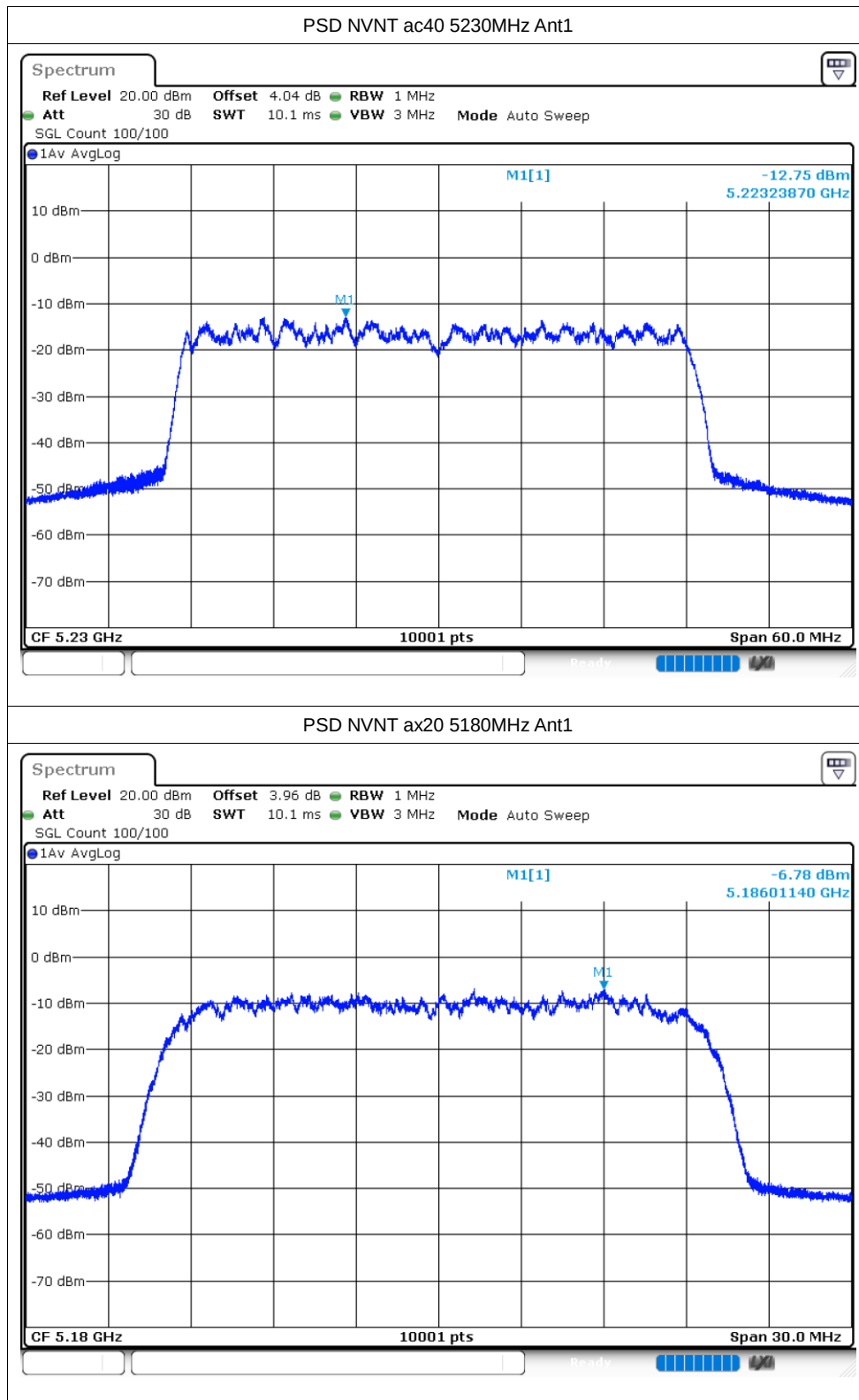


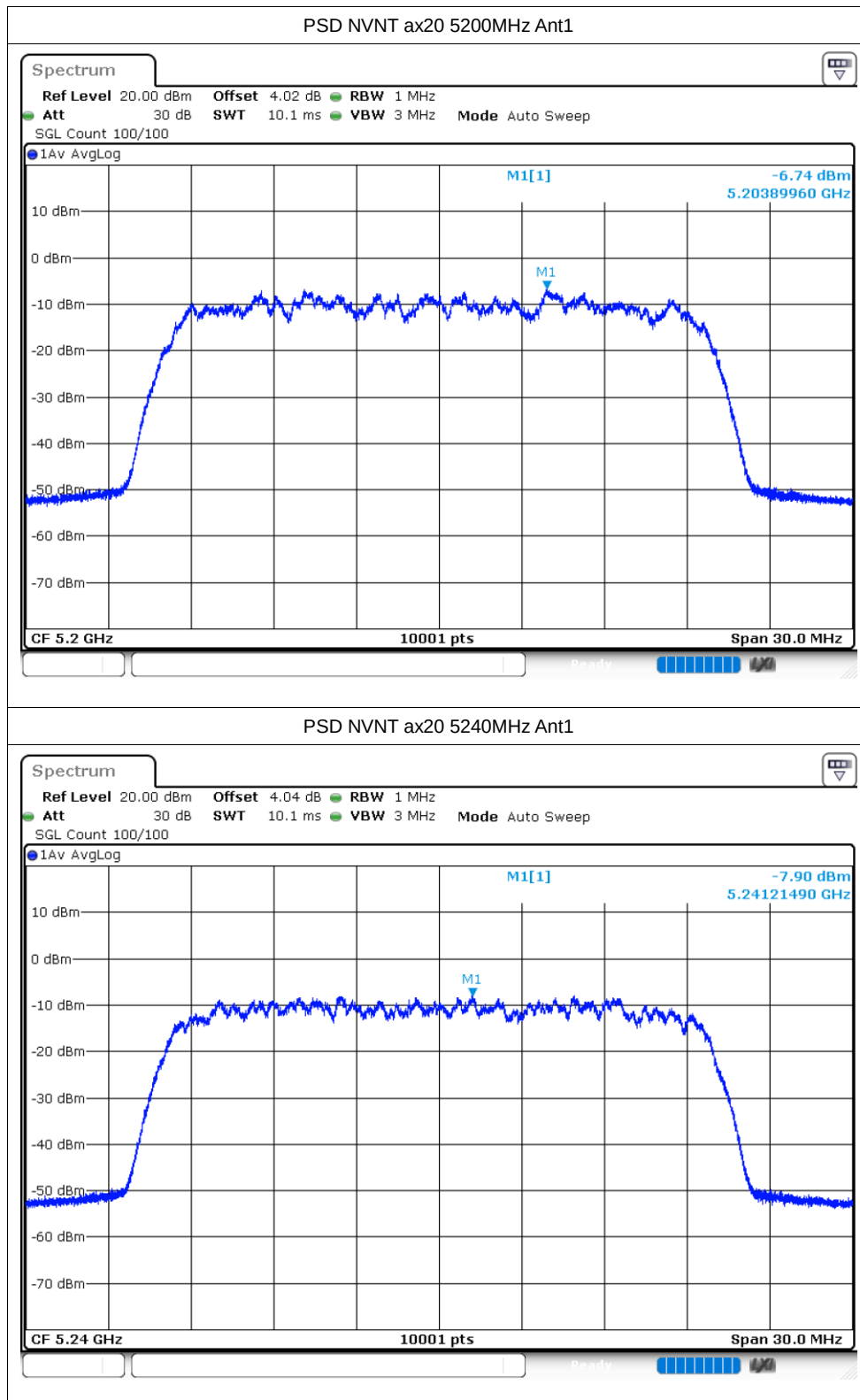


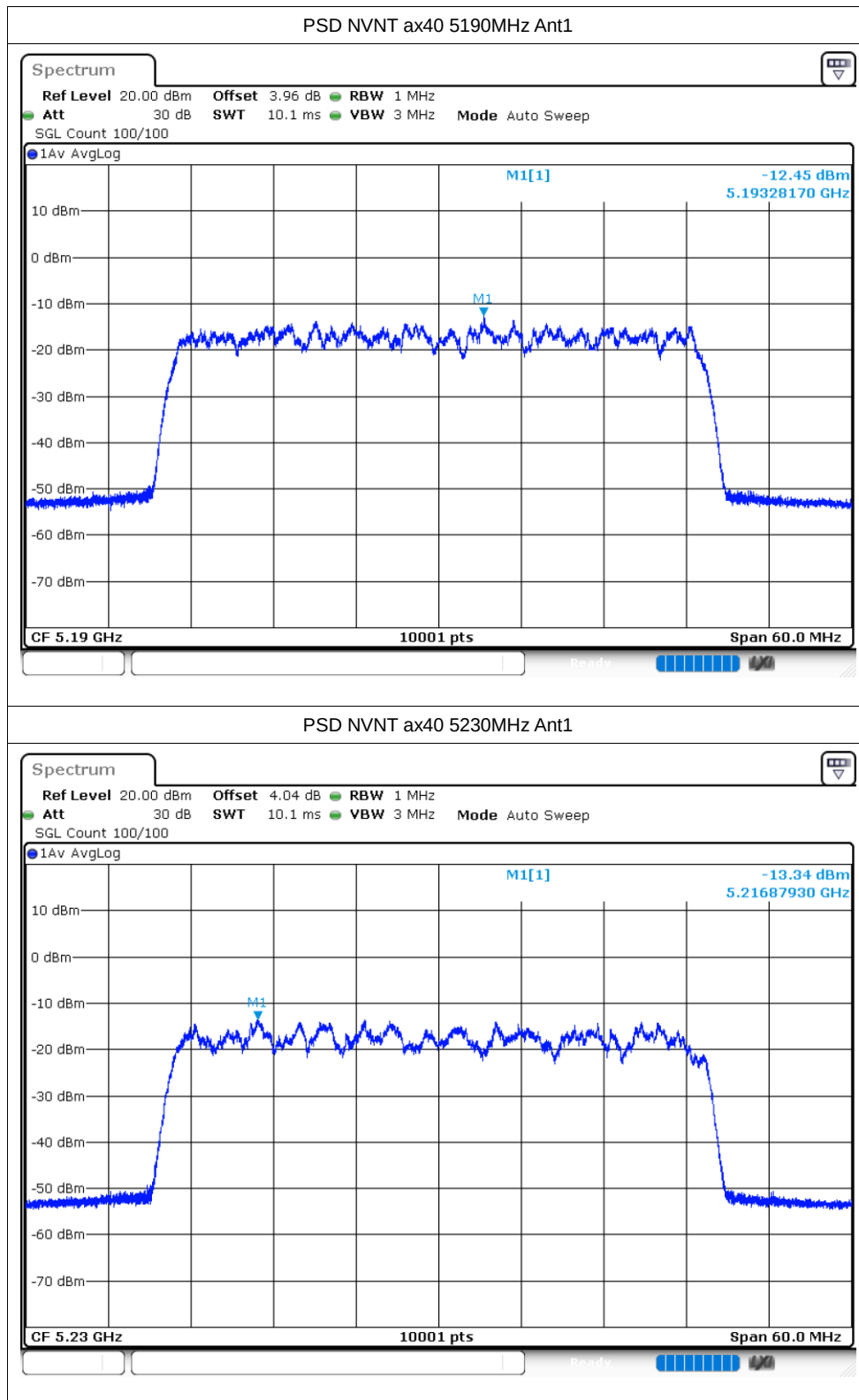












Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-39.31	-27	Pass
NVNT	a	5240	Ant1	-40.15	-27	Pass
NVNT	n20	5180	Ant1	-38.95	-27	Pass
NVNT	n20	5240	Ant1	-38.4	-27	Pass
NVNT	n40	5190	Ant1	-39.73	-27	Pass
NVNT	n40	5230	Ant1	-40.13	-27	Pass
NVNT	ac20	5180	Ant1	-39.06	-27	Pass
NVNT	ac20	5240	Ant1	-39.55	-27	Pass
NVNT	ac40	5190	Ant1	-37.61	-27	Pass
NVNT	ac40	5230	Ant1	-39.99	-27	Pass
NVNT	ax20	5180	Ant1	-38.71	-27	Pass
NVNT	ax20	5240	Ant1	-40.37	-27	Pass
NVNT	ax40	5190	Ant1	-39.42	-27	Pass
NVNT	ax40	5230	Ant1	-40.2	-27	Pass