

5.2G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.58	0.11	0.71
NVNT	a	5200	Ant1	97.58	0.11	0.72
NVNT	a	5240	Ant1	97.57	0.11	0.72
NVNT	n20	5180	Ant1	97.4	0.11	0.77
NVNT	n20	5200	Ant1	97.42	0.11	0.77
NVNT	n20	5240	Ant1	97.42	0.11	0.77
NVNT	n40	5190	Ant1	95.08	0.22	1.54
NVNT	n40	5230	Ant1	95.05	0.22	1.54
NVNT	ac20	5180	Ant1	97.41	0.11	0.76
NVNT	ac20	5200	Ant1	97.5	0.11	0.76
NVNT	ac20	5240	Ant1	97.44	0.11	0.76
NVNT	ac40	5190	Ant1	95.09	0.22	1.54
NVNT	ac40	5230	Ant1	95.12	0.22	1.54
NVNT	ac80	5210	Ant1	90.58	0.43	3.03

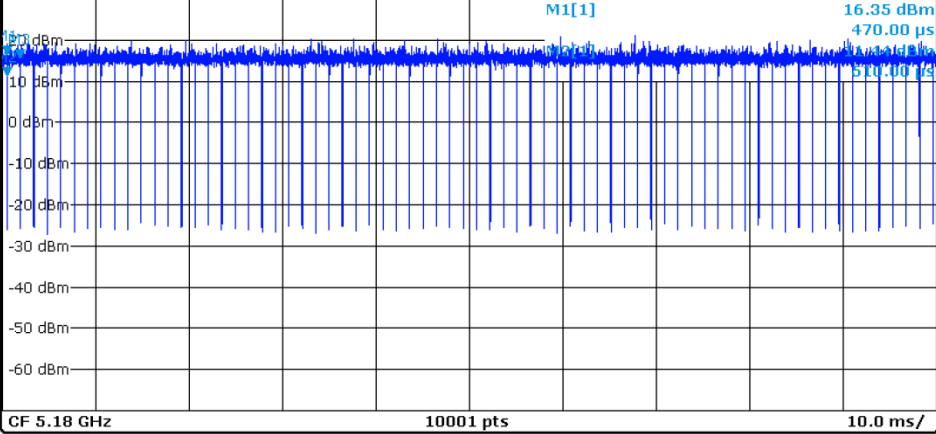
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 3.96 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw



Marker

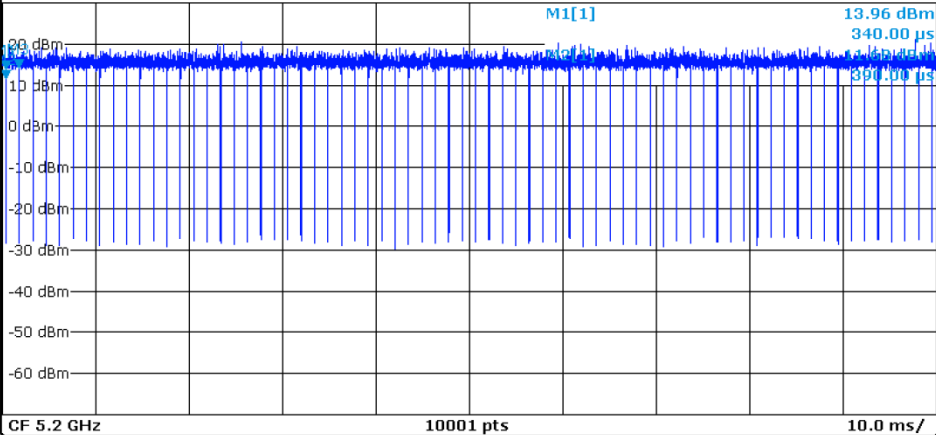
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		470.0 μs	16.35 dBm		
M2	1		510.0 μs	11.44 dBm		
M3	1		1.91 ms	15.58 dBm		

Duty Cycle NVNT a 5200MHz Ant1

Spectrum

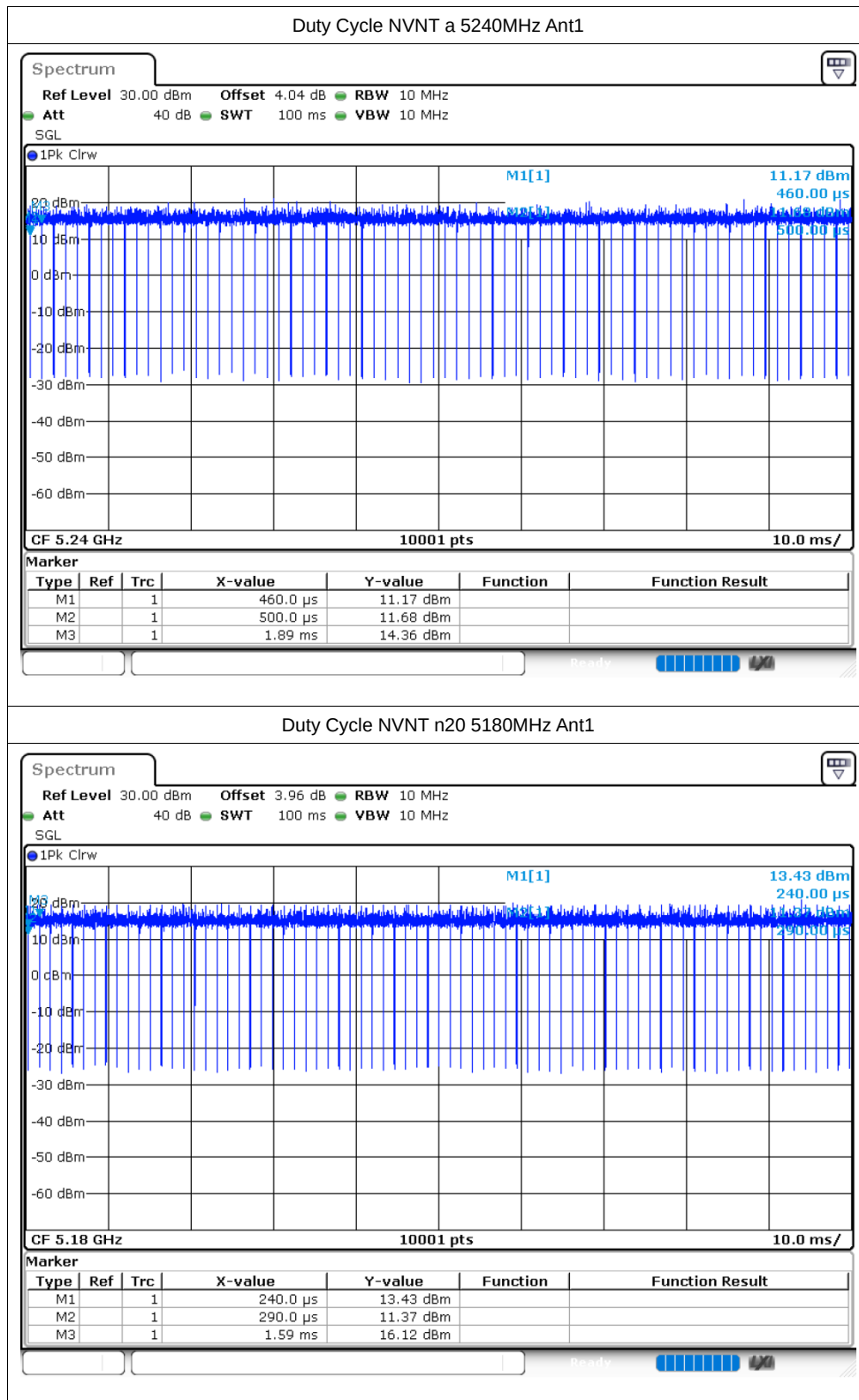
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

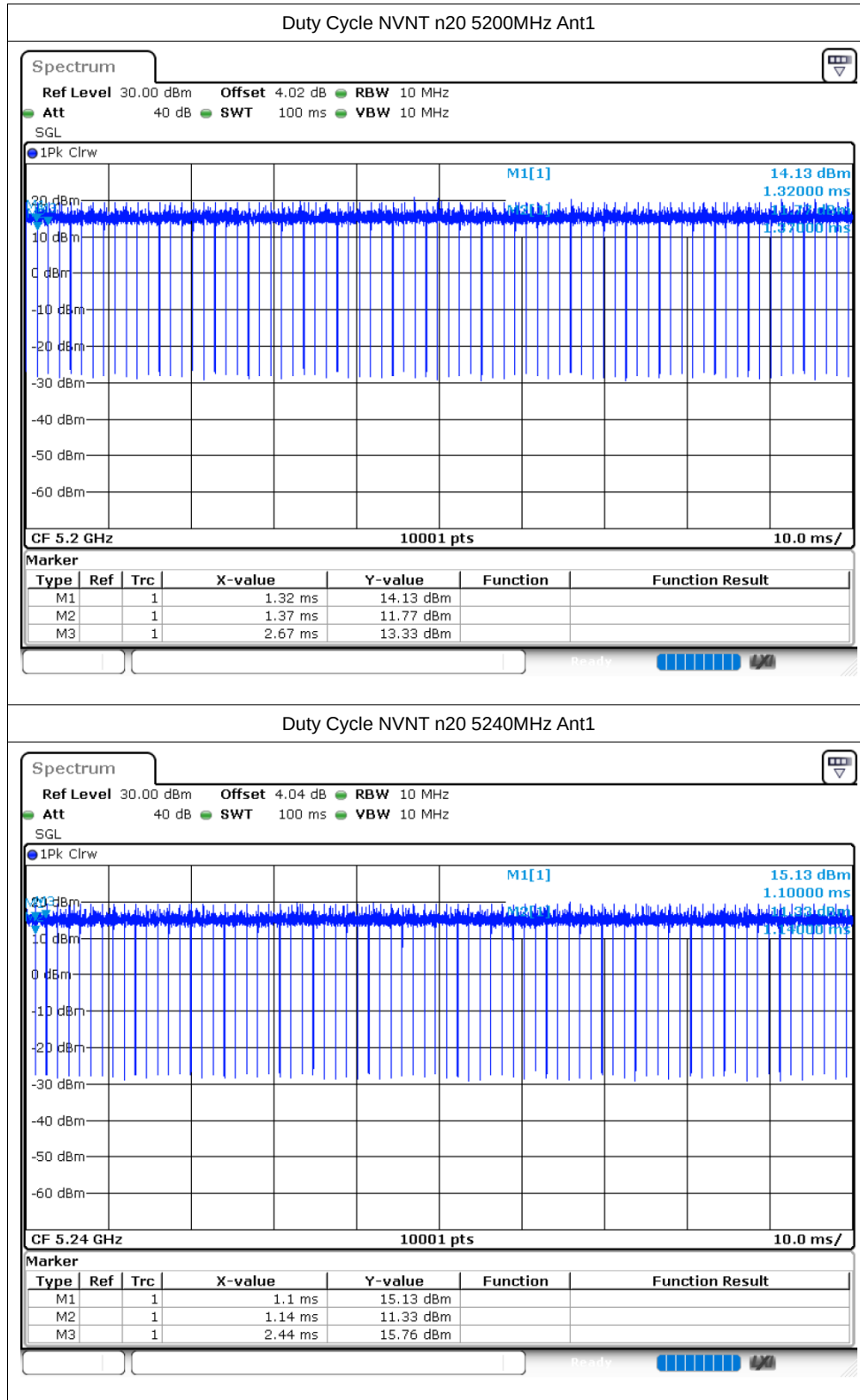
1Pk Clrw

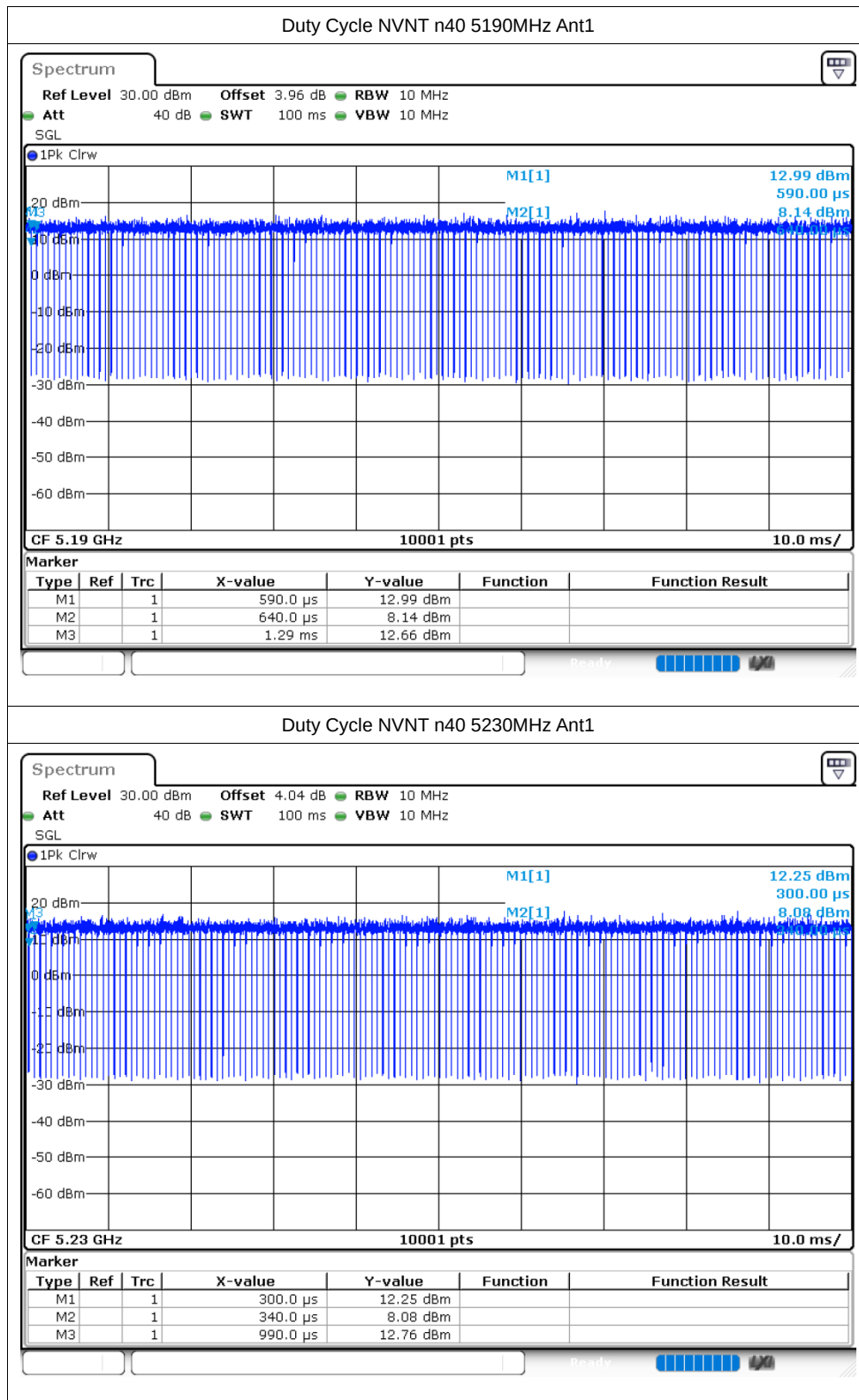


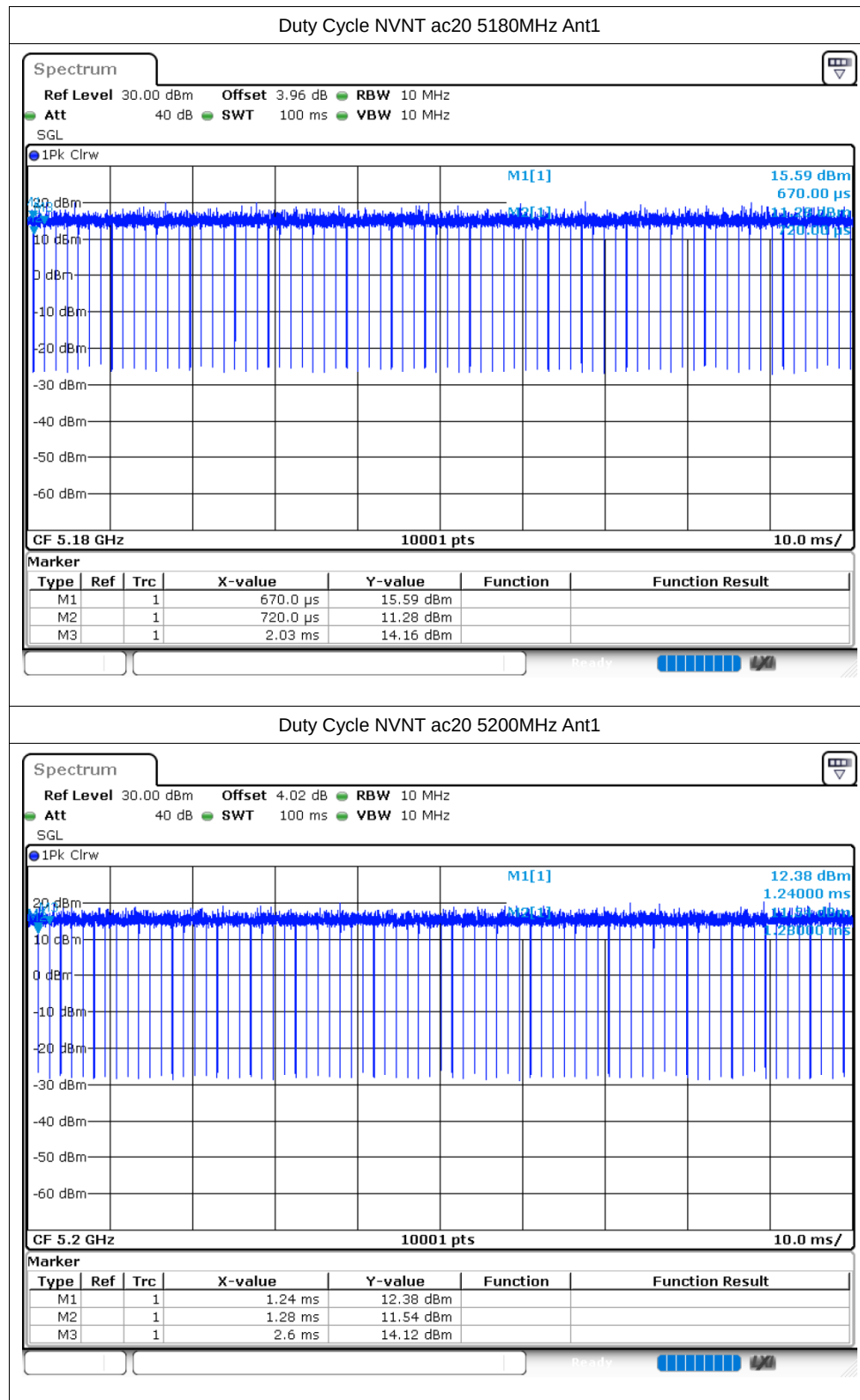
Marker

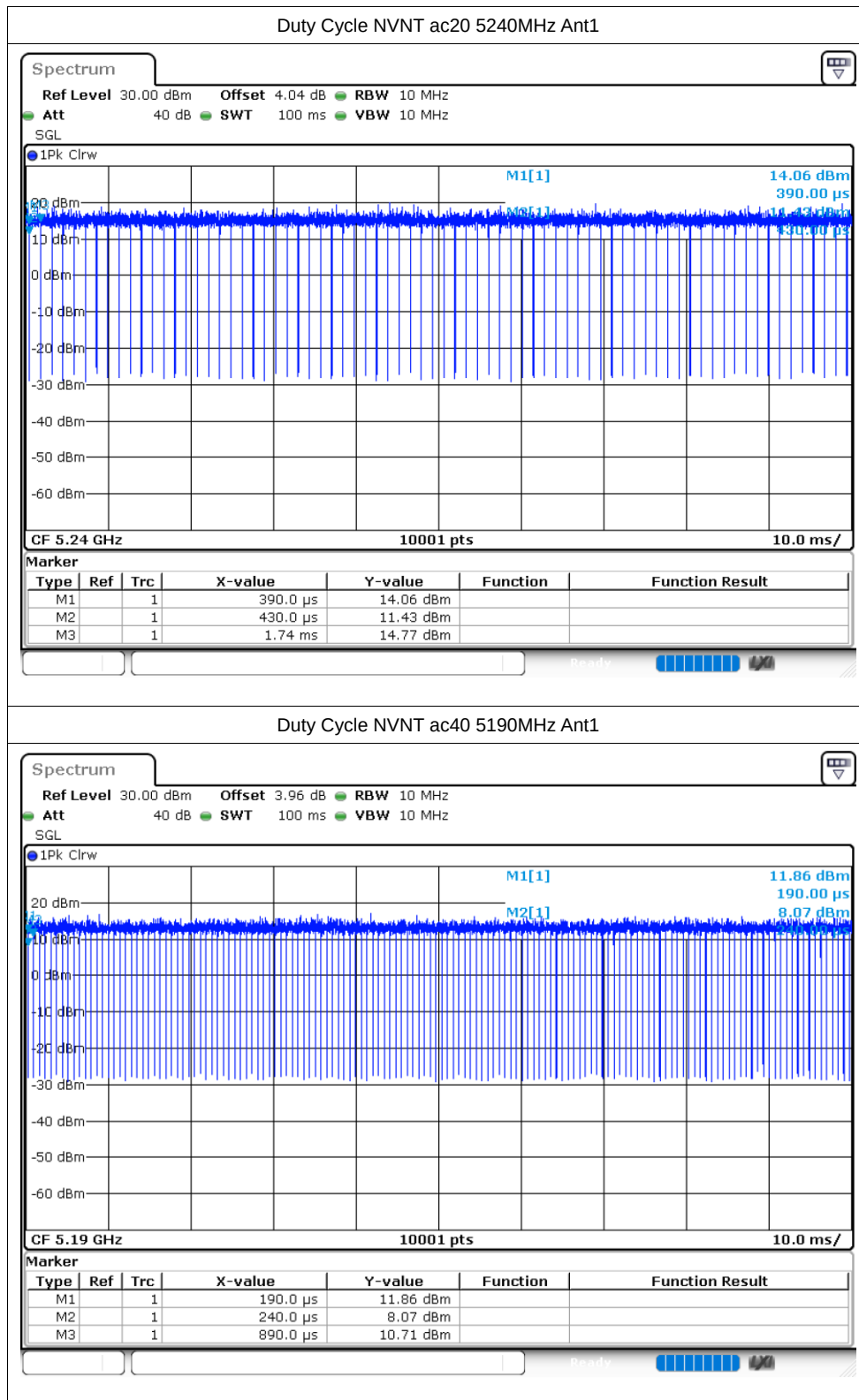
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		340.0 μs	13.96 dBm		
M2	1		390.0 μs	11.68 dBm		
M3	1		1.78 ms	14.27 dBm		

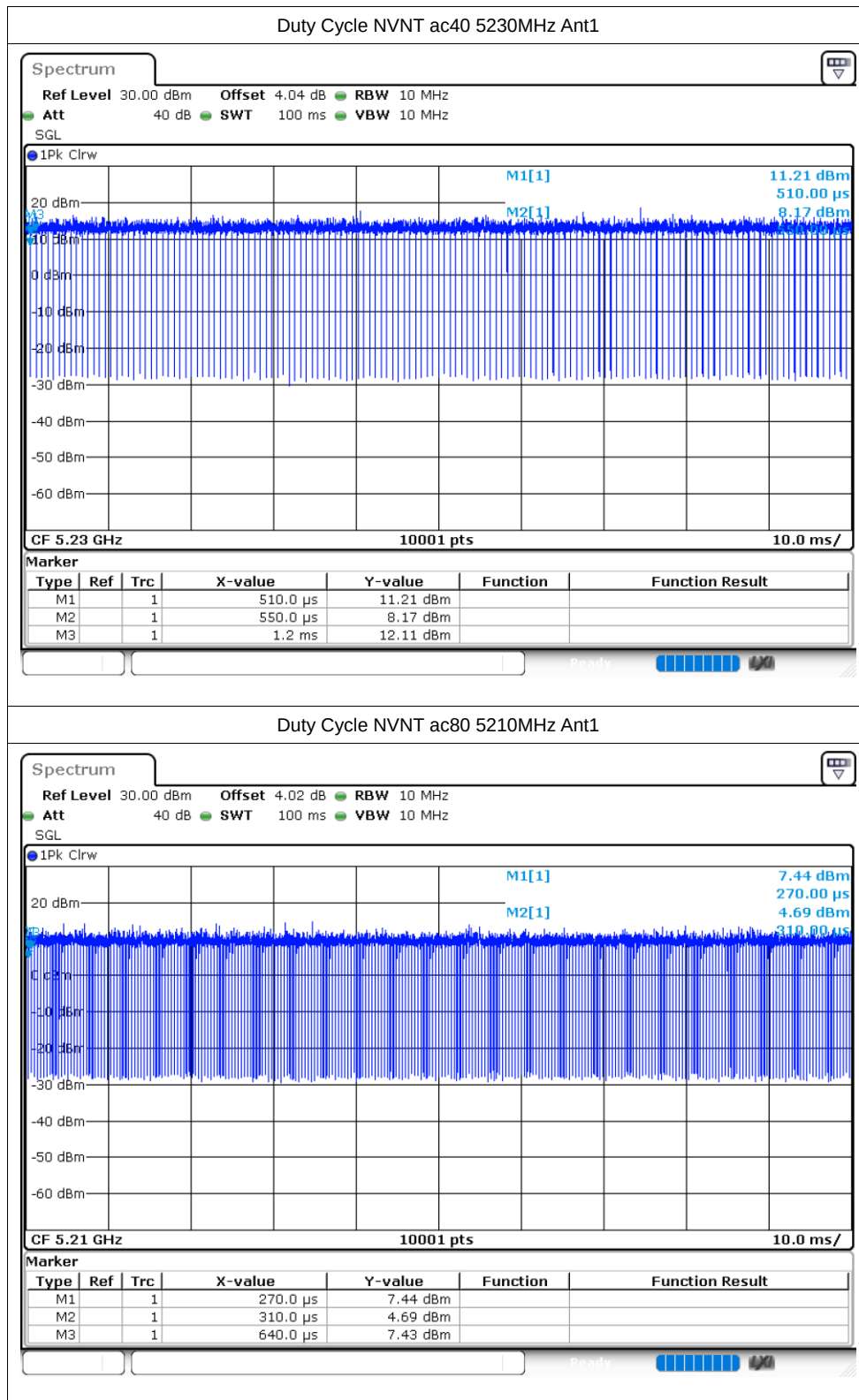












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.25	24	Pass
NVNT	a	5200	Ant1	10.17	24	Pass
NVNT	a	5240	Ant1	10.15	24	Pass
NVNT	n20	5180	Ant1	11.12	24	Pass
NVNT	n20	5200	Ant1	11.15	24	Pass
NVNT	n20	5240	Ant1	11.26	24	Pass
NVNT	n40	5190	Ant1	11.08	24	Pass
NVNT	n40	5230	Ant1	11.5	24	Pass
NVNT	ac20	5180	Ant1	11.21	24	Pass
NVNT	ac20	5200	Ant1	11.27	24	Pass
NVNT	ac20	5240	Ant1	11.39	24	Pass
NVNT	ac40	5190	Ant1	11.02	24	Pass
NVNT	ac40	5230	Ant1	11.22	24	Pass
NVNT	ac80	5210	Ant1	10.97	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.41	0.5	Pass
NVNT	a	5200	Ant1	19.92	0.5	Pass
NVNT	a	5240	Ant1	19.755	0.5	Pass
NVNT	n20	5180	Ant1	20.421	0.5	Pass
NVNT	n20	5200	Ant1	19.986	0.5	Pass
NVNT	n20	5240	Ant1	20.34	0.5	Pass
NVNT	n40	5190	Ant1	40.662	0.5	Pass
NVNT	n40	5230	Ant1	40.68	0.5	Pass
NVNT	ac20	5180	Ant1	20.352	0.5	Pass
NVNT	ac20	5200	Ant1	20.352	0.5	Pass
NVNT	ac20	5240	Ant1	19.932	0.5	Pass
NVNT	ac40	5190	Ant1	40.836	0.5	Pass
NVNT	ac40	5230	Ant1	40.848	0.5	Pass
NVNT	ac80	5210	Ant1	81.156	0.5	Pass

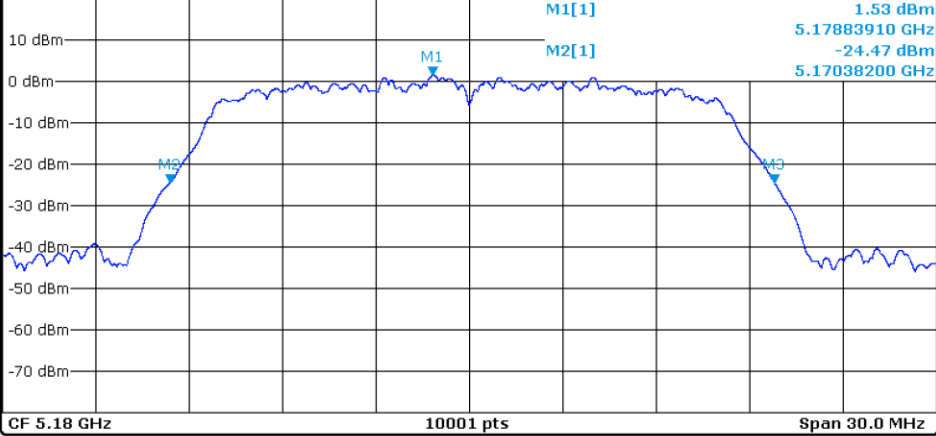
Test Graphs

-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

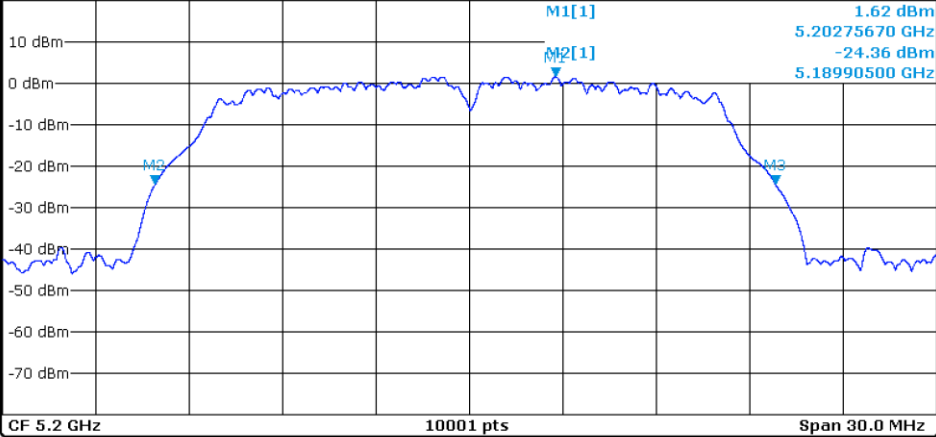
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1788391 GHz	1.53 dBm		
M2	1		5.170382 GHz	-24.47 dBm		
M3	1		5.189792 GHz	-24.45 dBm		

-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

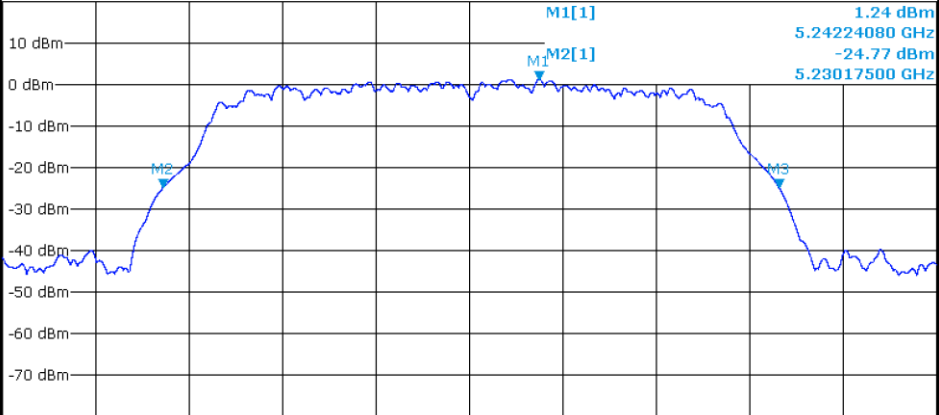
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2027567 GHz	1.62 dBm		
M2	1		5.189905 GHz	-24.36 dBm		
M3	1		5.209825 GHz	-24.37 dBm		

-26dB Bandwidth NVNT a 5240MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.04 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



CF 5.24 GHz 10001 pts Span 30.0 MHz

Marker

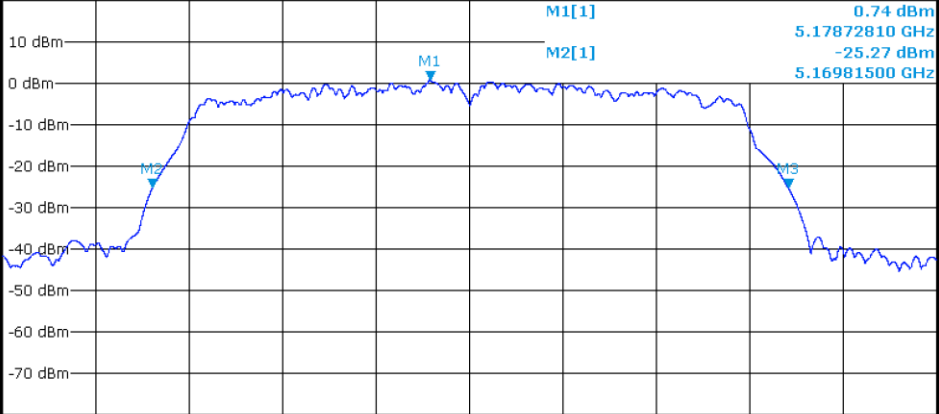
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2422408 GHz	1.24 dBm		
M2		1	5.230175 GHz	-24.77 dBm		
M3		1	5.24993 GHz	-24.74 dBm		

-26dB Bandwidth NVNT n20 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

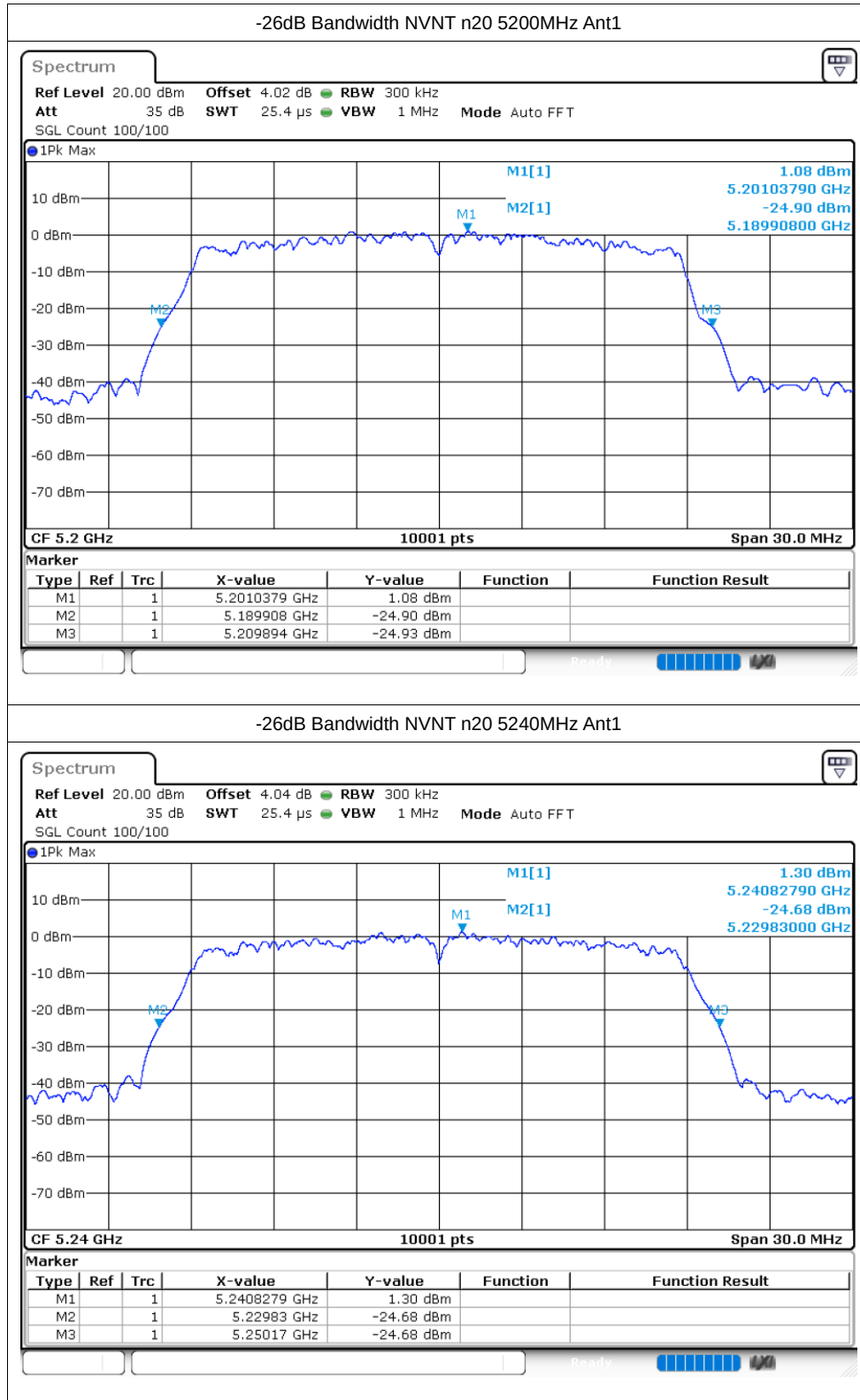
1Pk Max

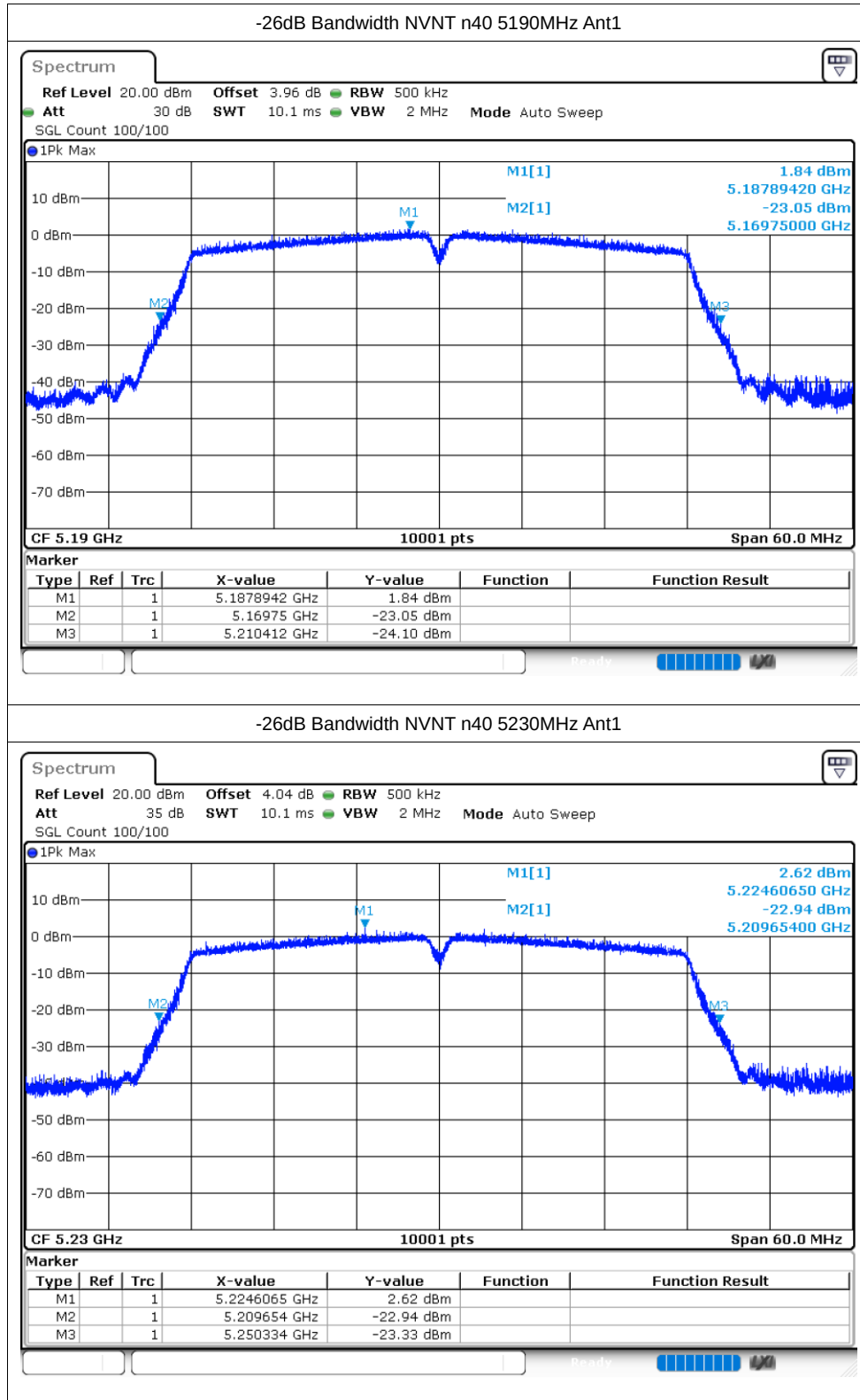


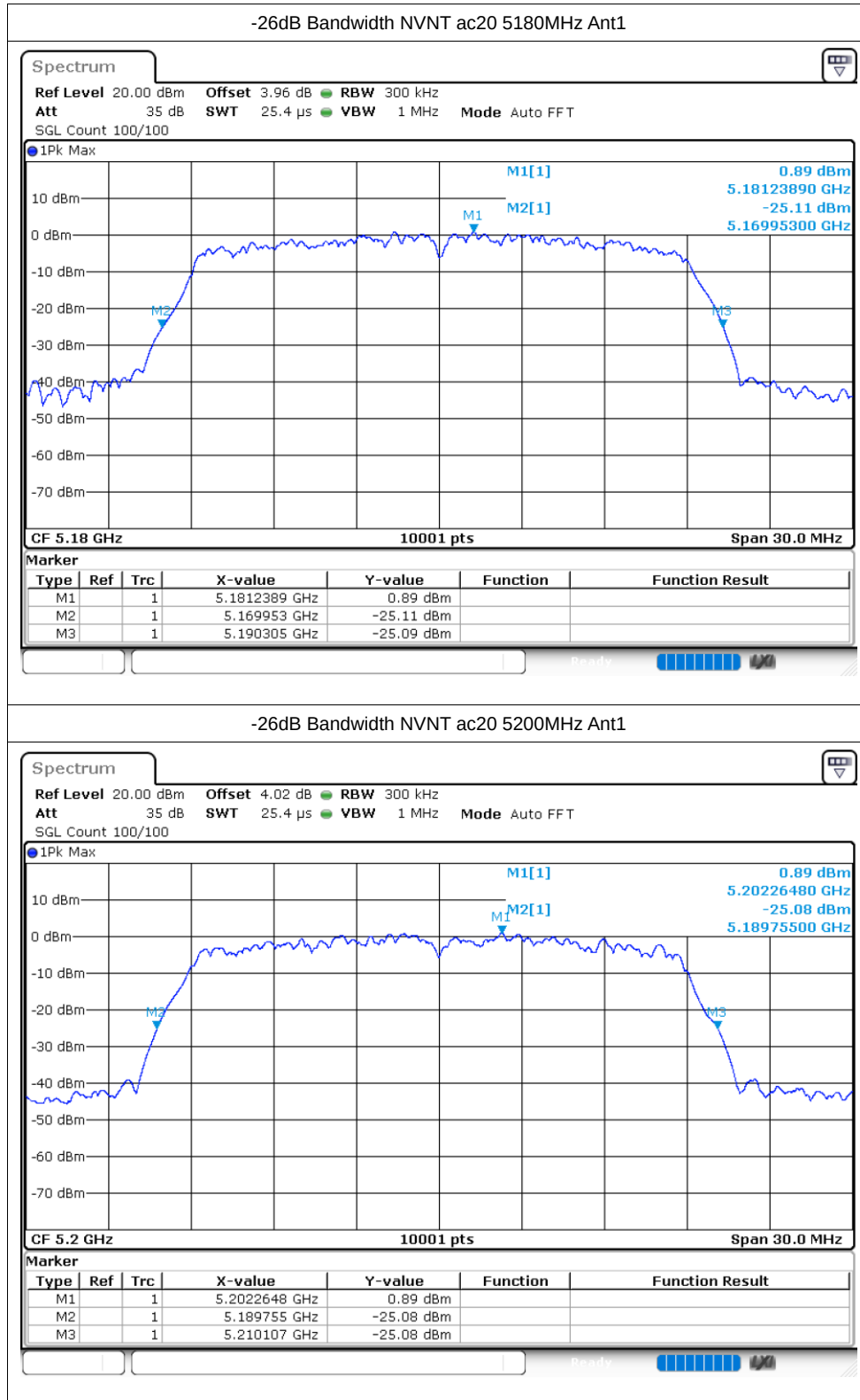
CF 5.18 GHz 10001 pts Span 30.0 MHz

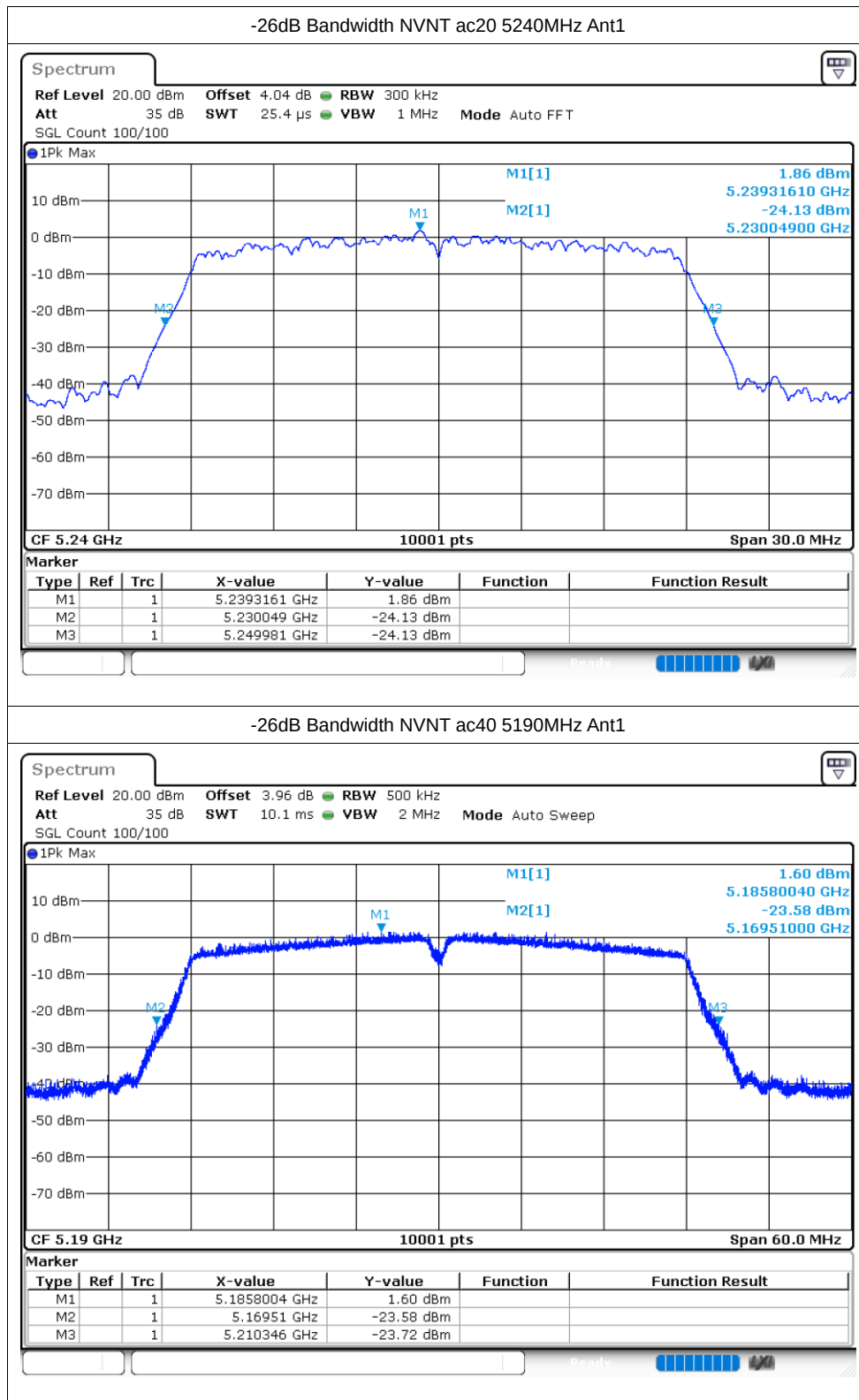
Marker

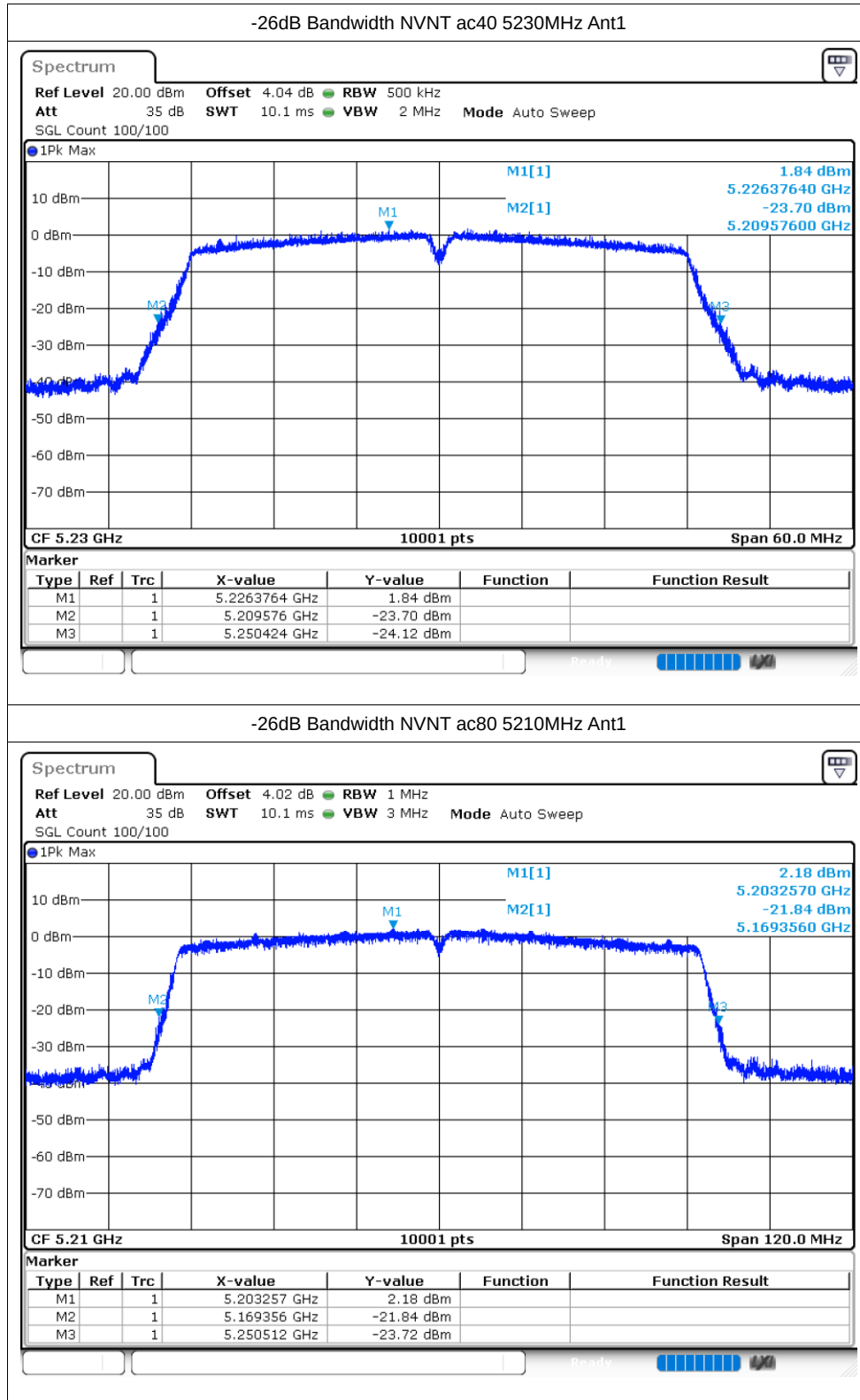
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1787281 GHz	0.74 dBm		
M2		1	5.169815 GHz	-25.27 dBm		
M3		1	5.190236 GHz	-25.27 dBm		









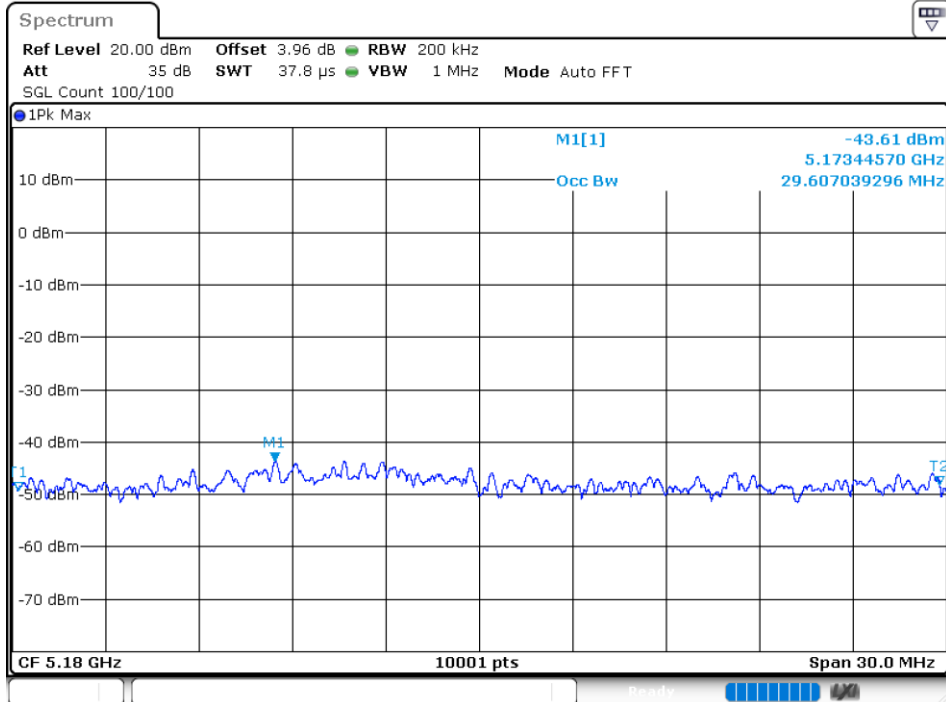


Occupied Channel Bandwidth

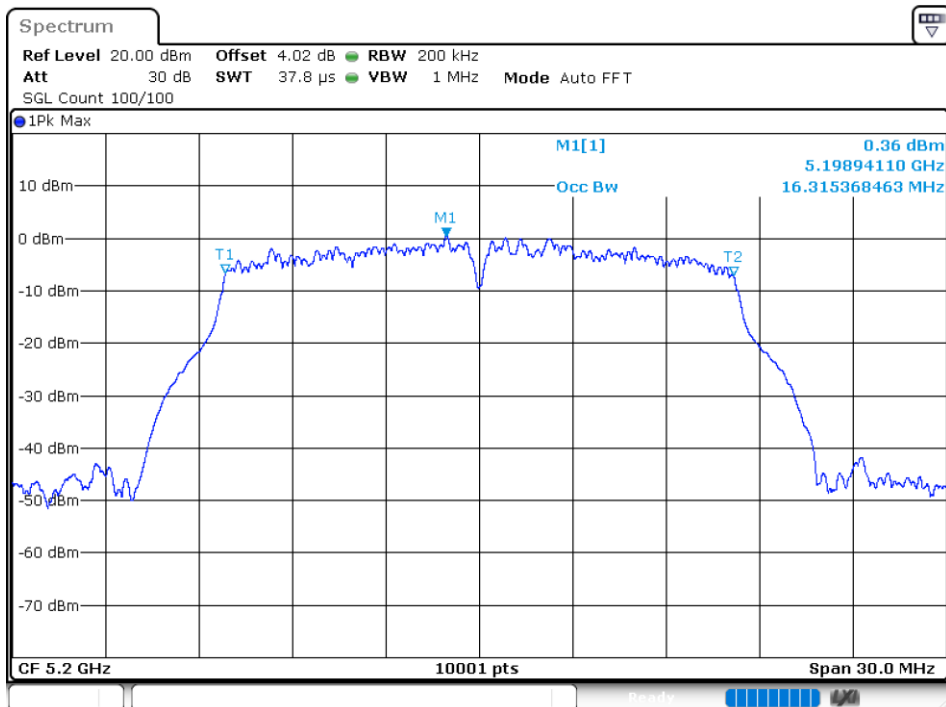
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	29.607
NVNT	a	5200	Ant1	16.315
NVNT	a	5240	Ant1	16.438
NVNT	n20	5180	Ant1	17.524
NVNT	n20	5200	Ant1	17.53
NVNT	n20	5240	Ant1	17.521
NVNT	n40	5190	Ant1	35.966
NVNT	n40	5230	Ant1	36.038
NVNT	ac20	5180	Ant1	17.509
NVNT	ac20	5200	Ant1	17.47
NVNT	ac20	5240	Ant1	17.515
NVNT	ac40	5190	Ant1	35.966
NVNT	ac40	5230	Ant1	35.99
NVNT	ac80	5210	Ant1	75.136

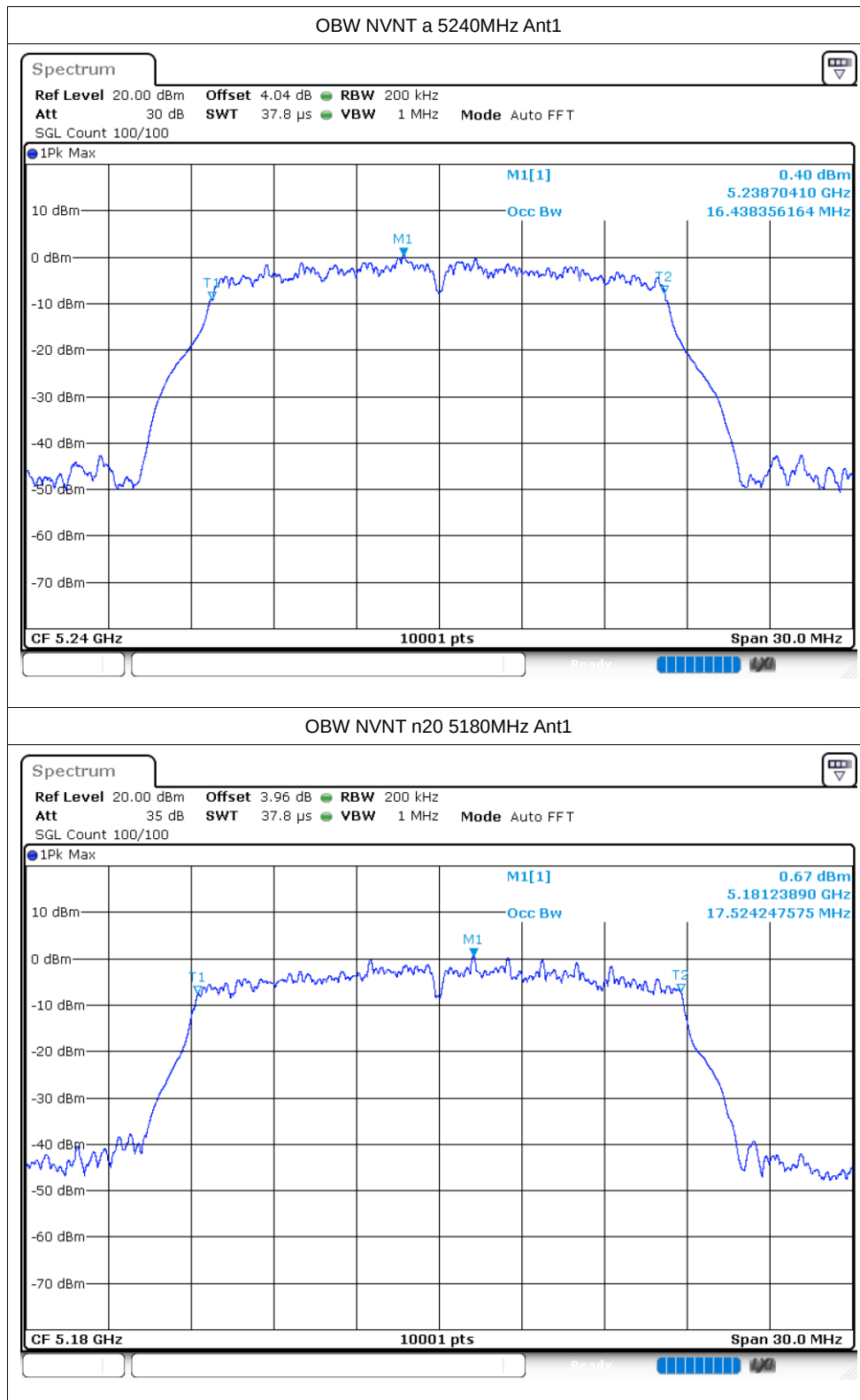
Test Graphs

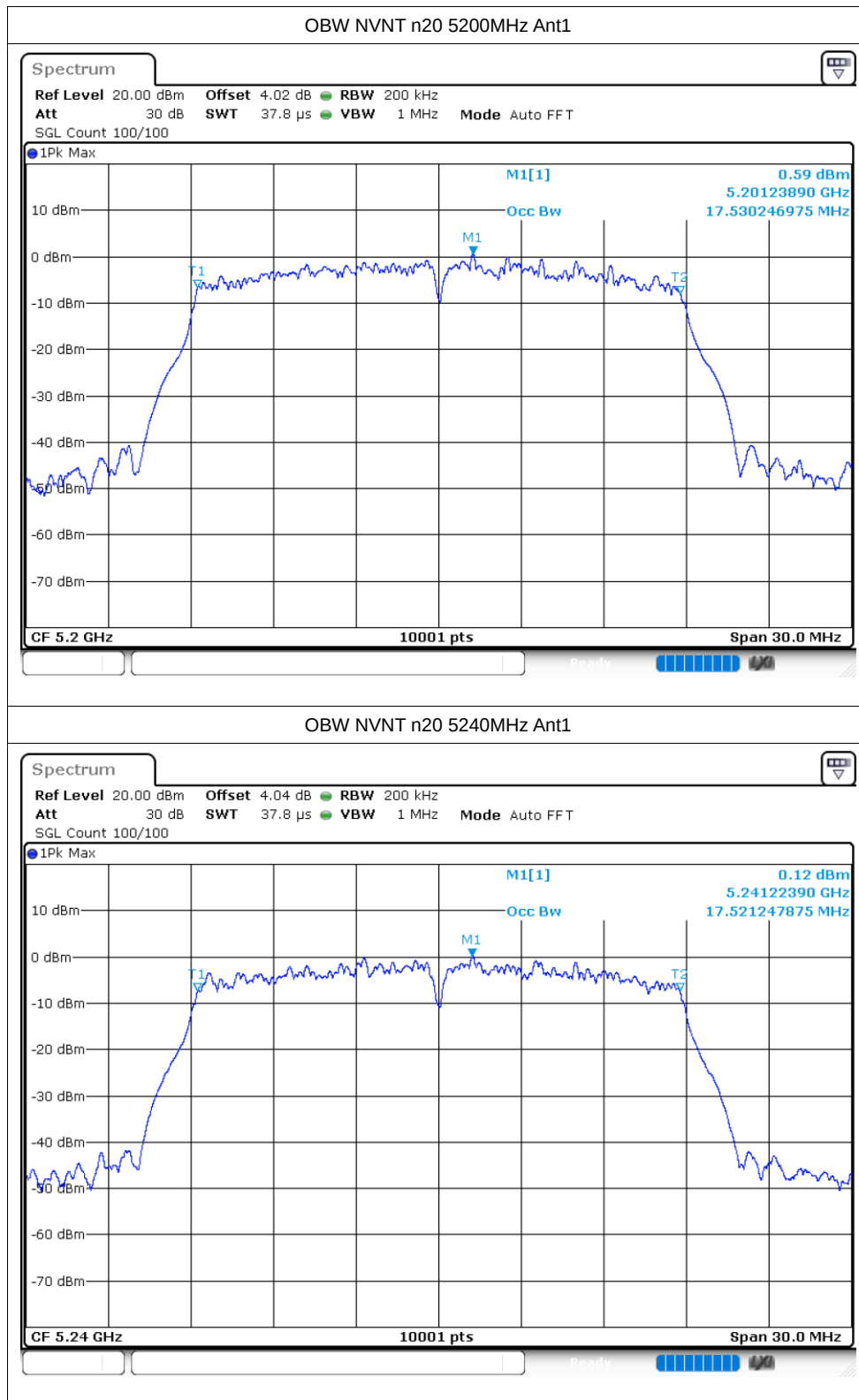
OBW NVNT a 5180MHz Ant1

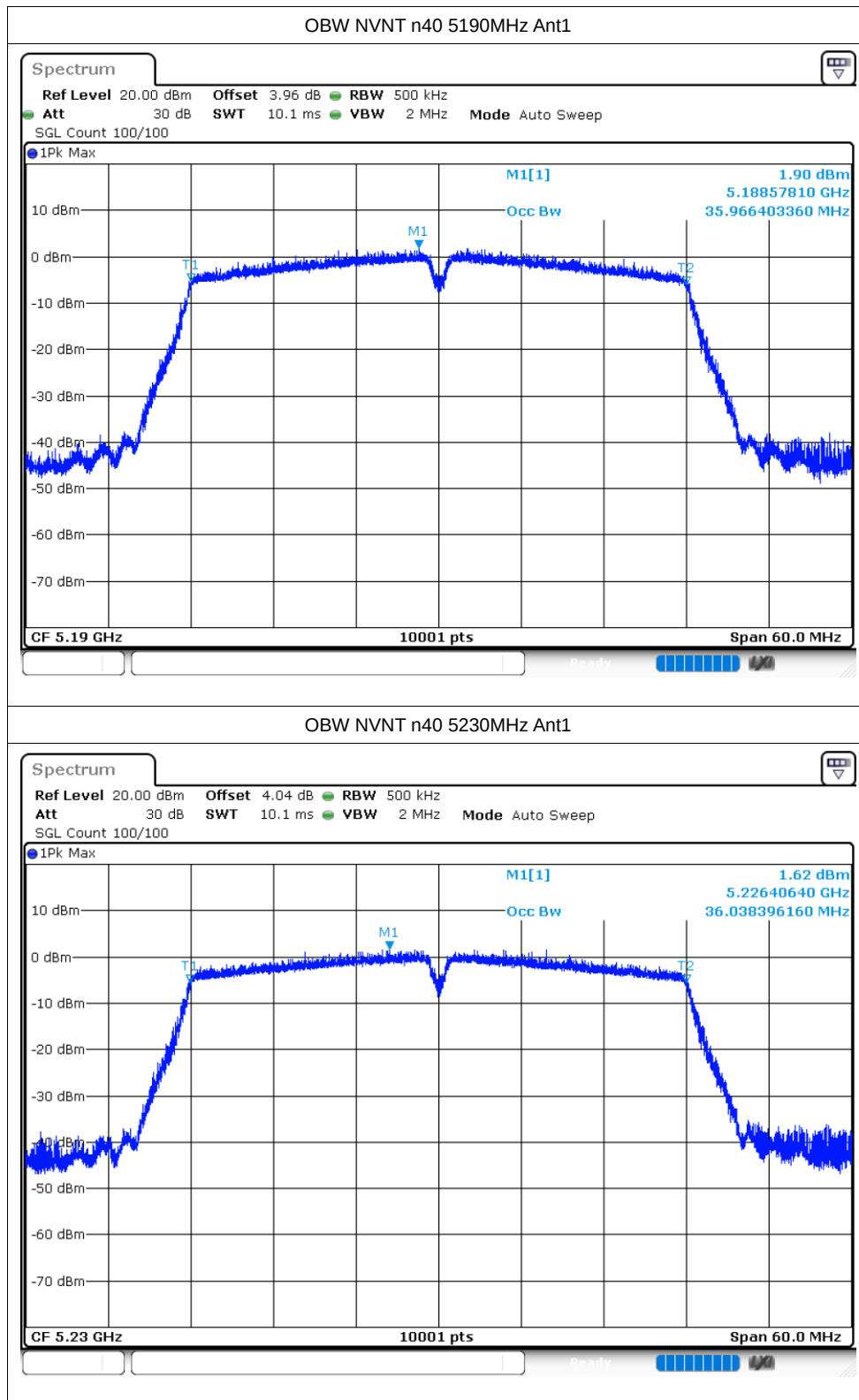


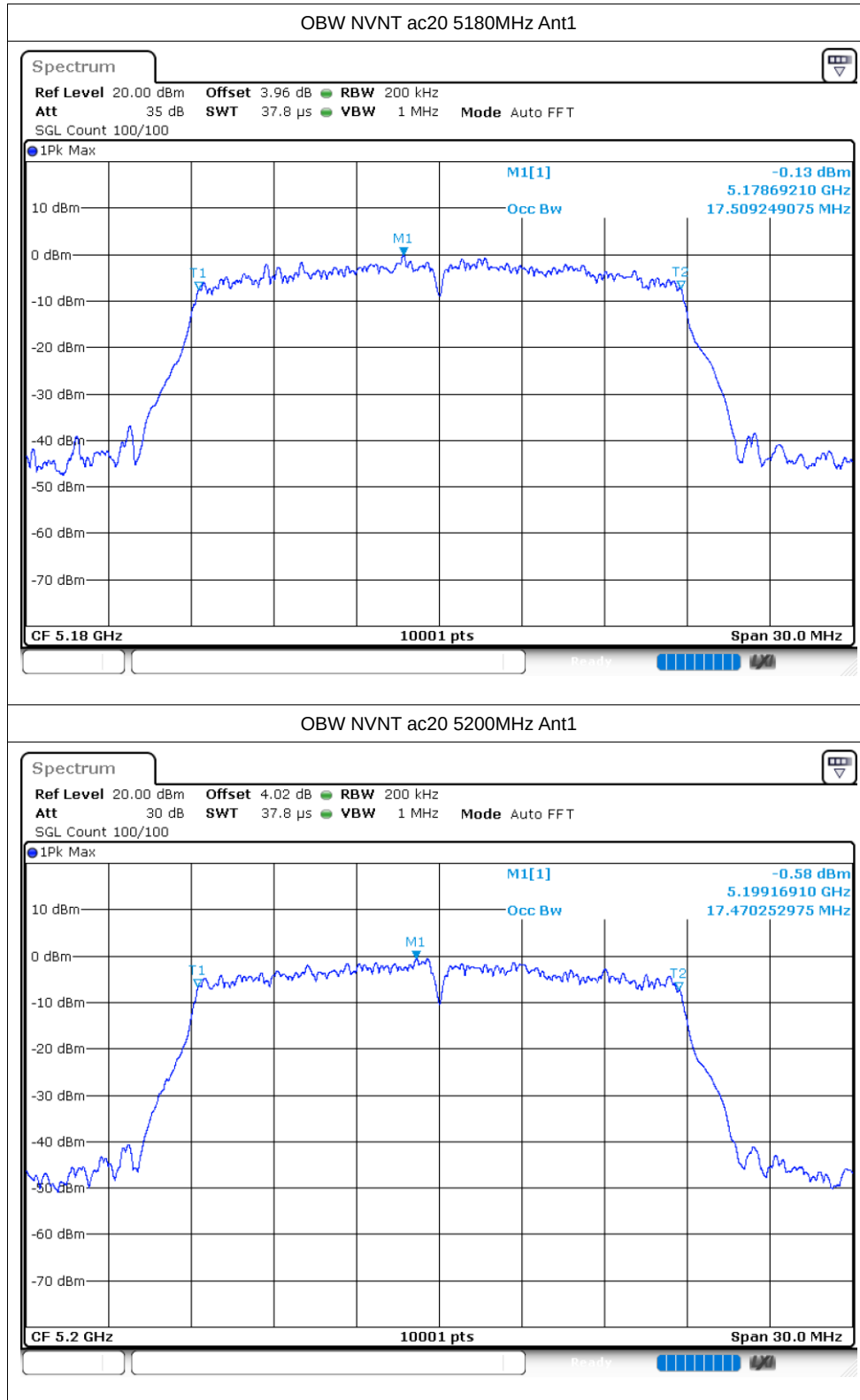
OBW NVNT a 5200MHz Ant1

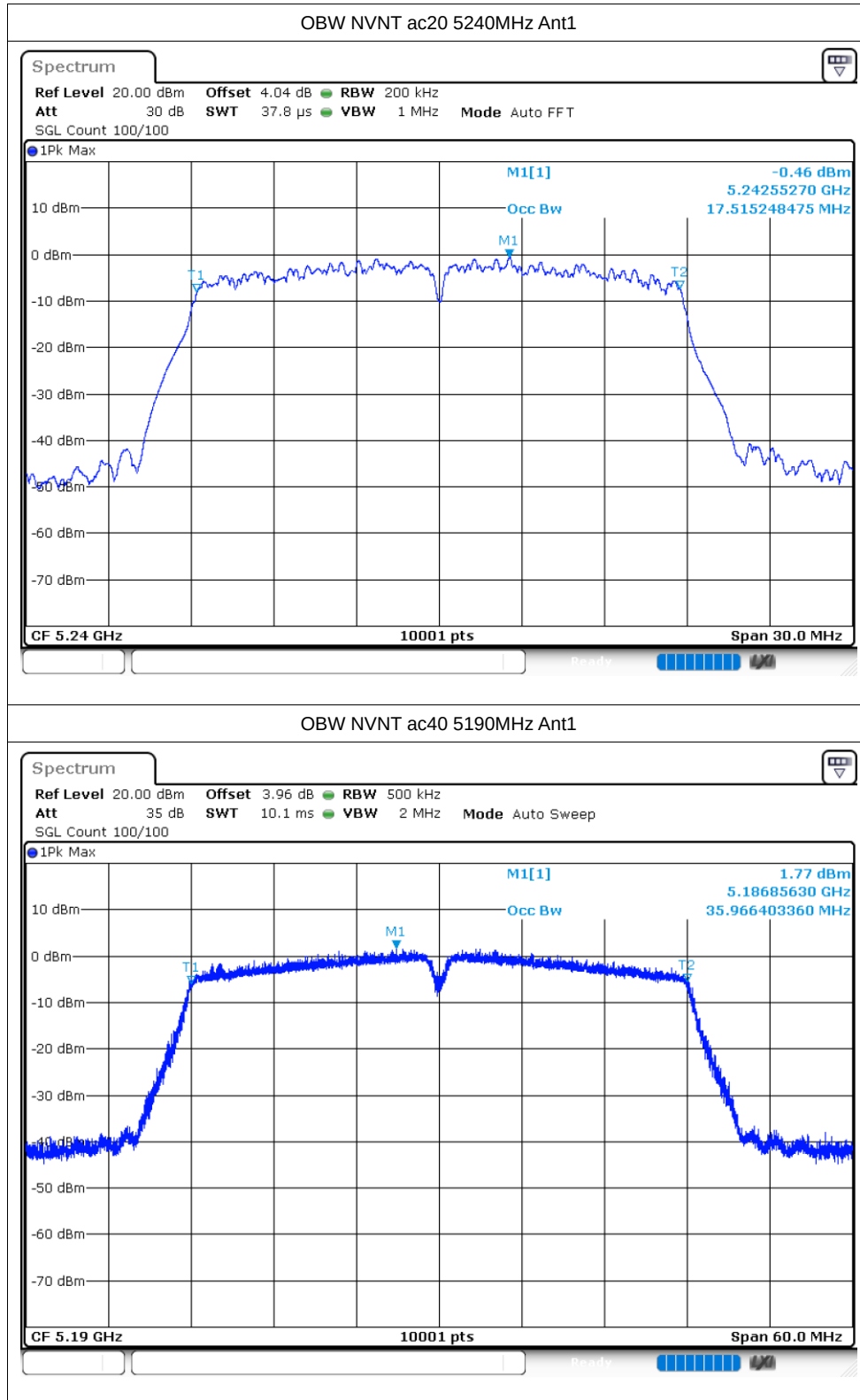


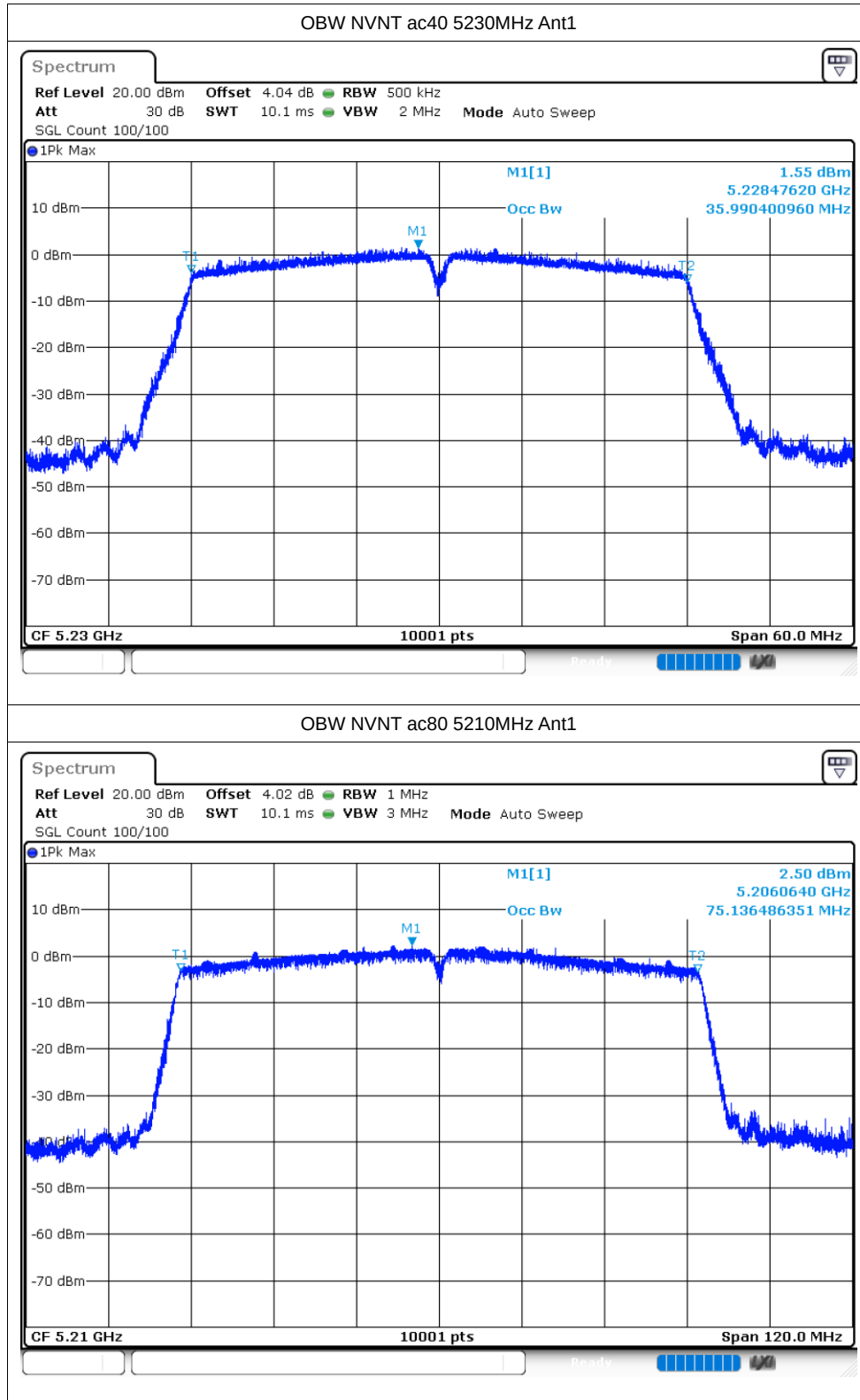










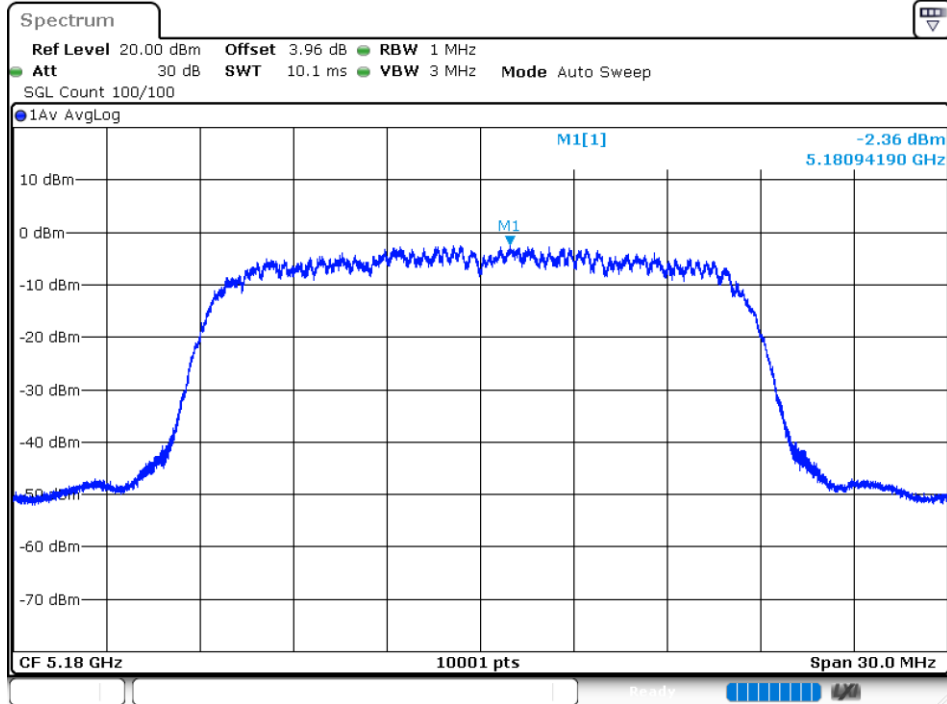


Maximum Power Spectral Density Level

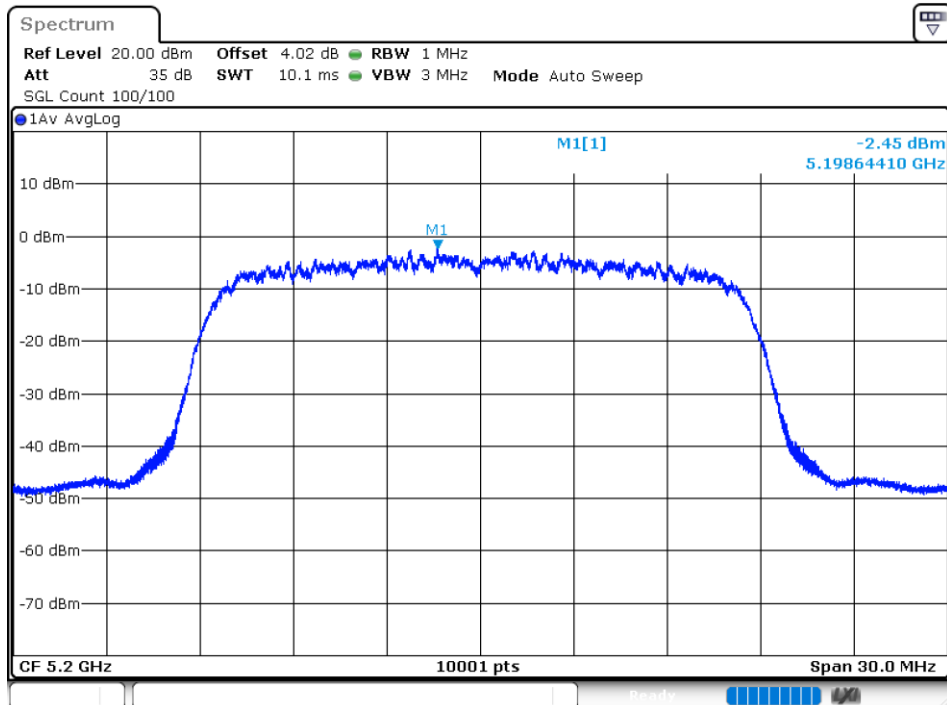
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-2.36	11	Pass
NVNT	a	5200	Ant1	-2.45	11	Pass
NVNT	a	5240	Ant1	-2.41	11	Pass
NVNT	n20	5180	Ant1	-1.7	11	Pass
NVNT	n20	5200	Ant1	-1.08	11	Pass
NVNT	n20	5240	Ant1	-1.64	11	Pass
NVNT	n40	5190	Ant1	-4.97	11	Pass
NVNT	n40	5230	Ant1	-5.52	11	Pass
NVNT	ac20	5180	Ant1	-1.16	11	Pass
NVNT	ac20	5200	Ant1	-1.39	11	Pass
NVNT	ac20	5240	Ant1	-1.67	11	Pass
NVNT	ac40	5190	Ant1	-4.72	11	Pass
NVNT	ac40	5230	Ant1	-5.08	11	Pass
NVNT	ac80	5210	Ant1	-9.55	11	Pass

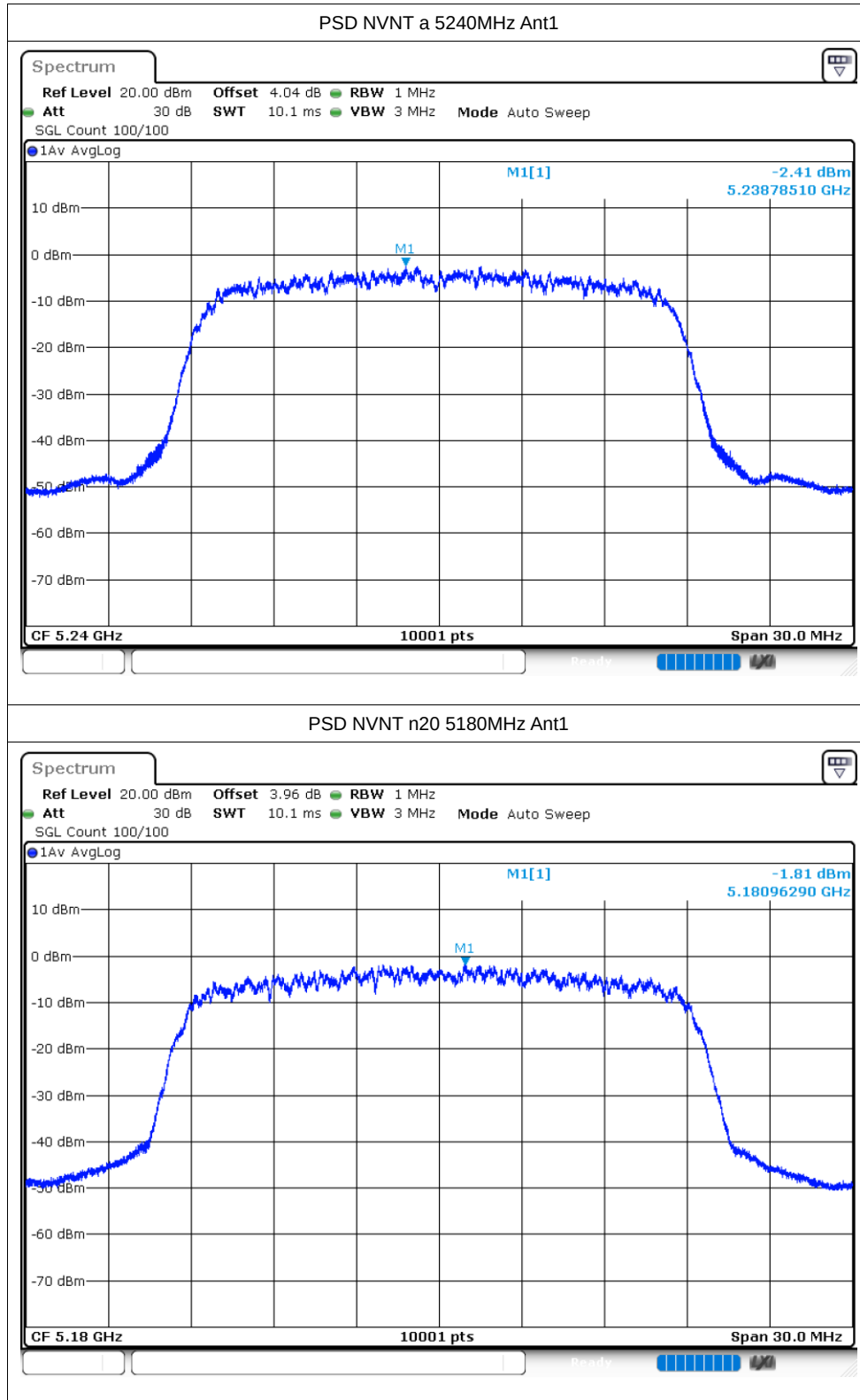
Test Graphs

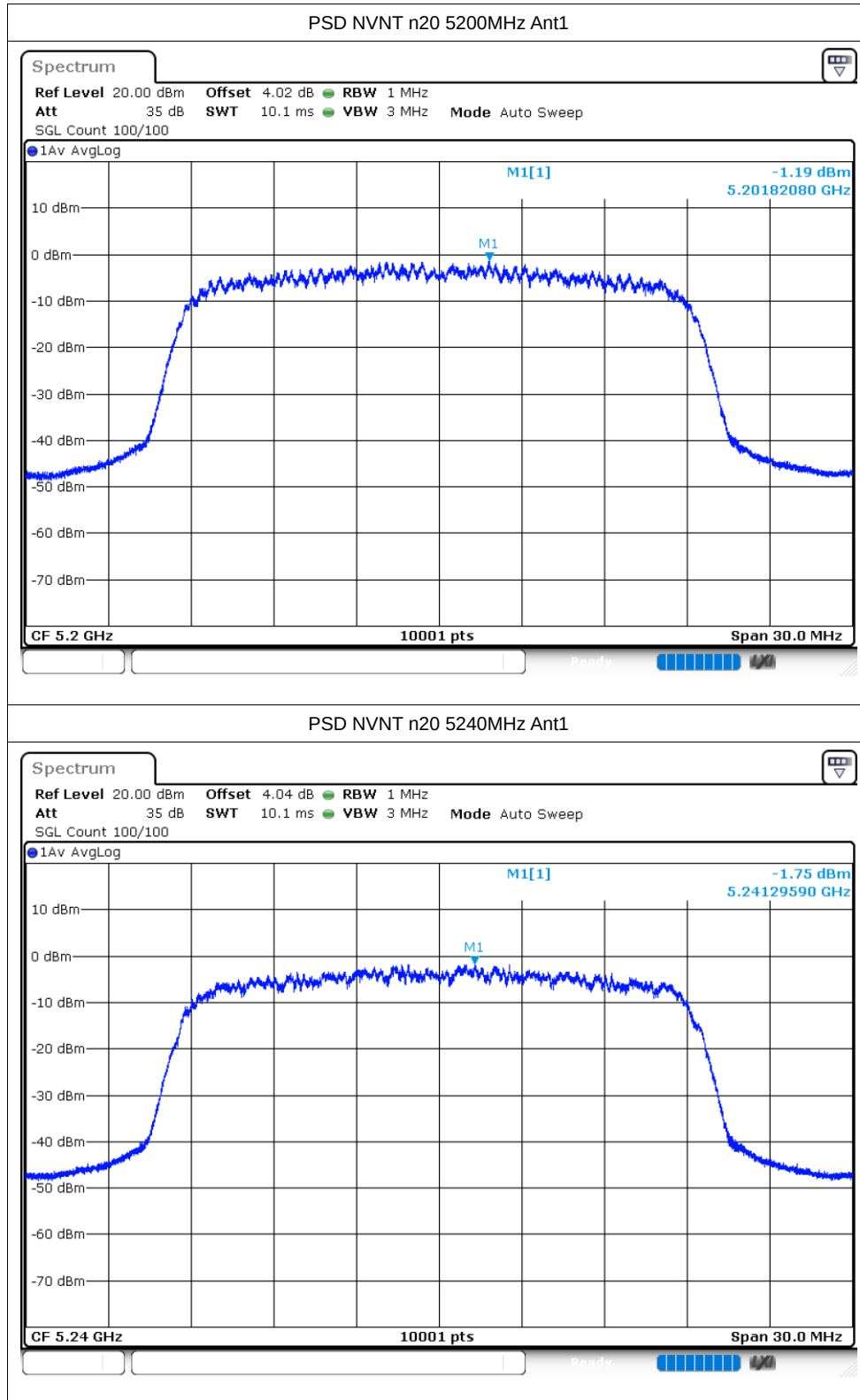
PSD NVNT a 5180MHz Ant1

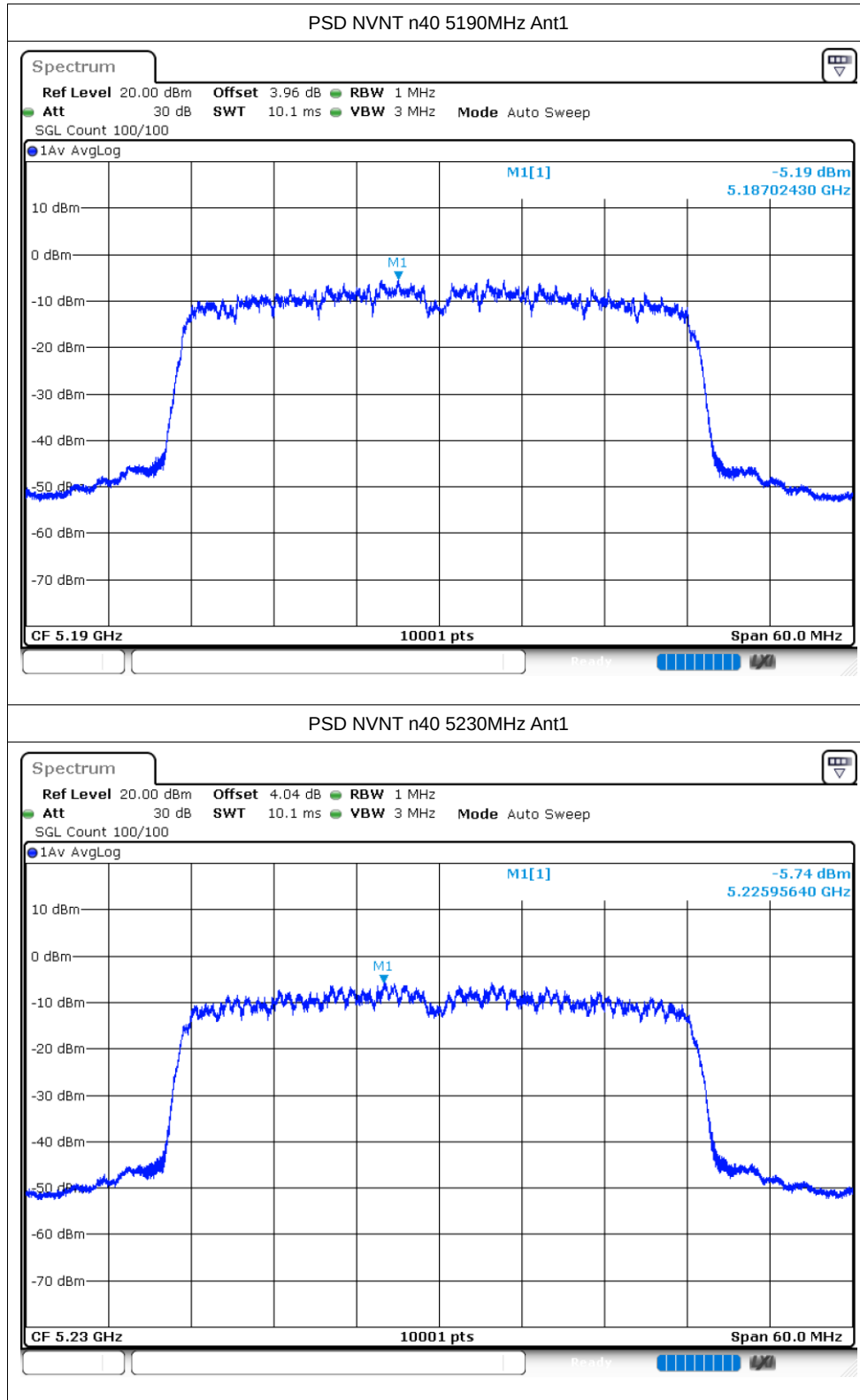


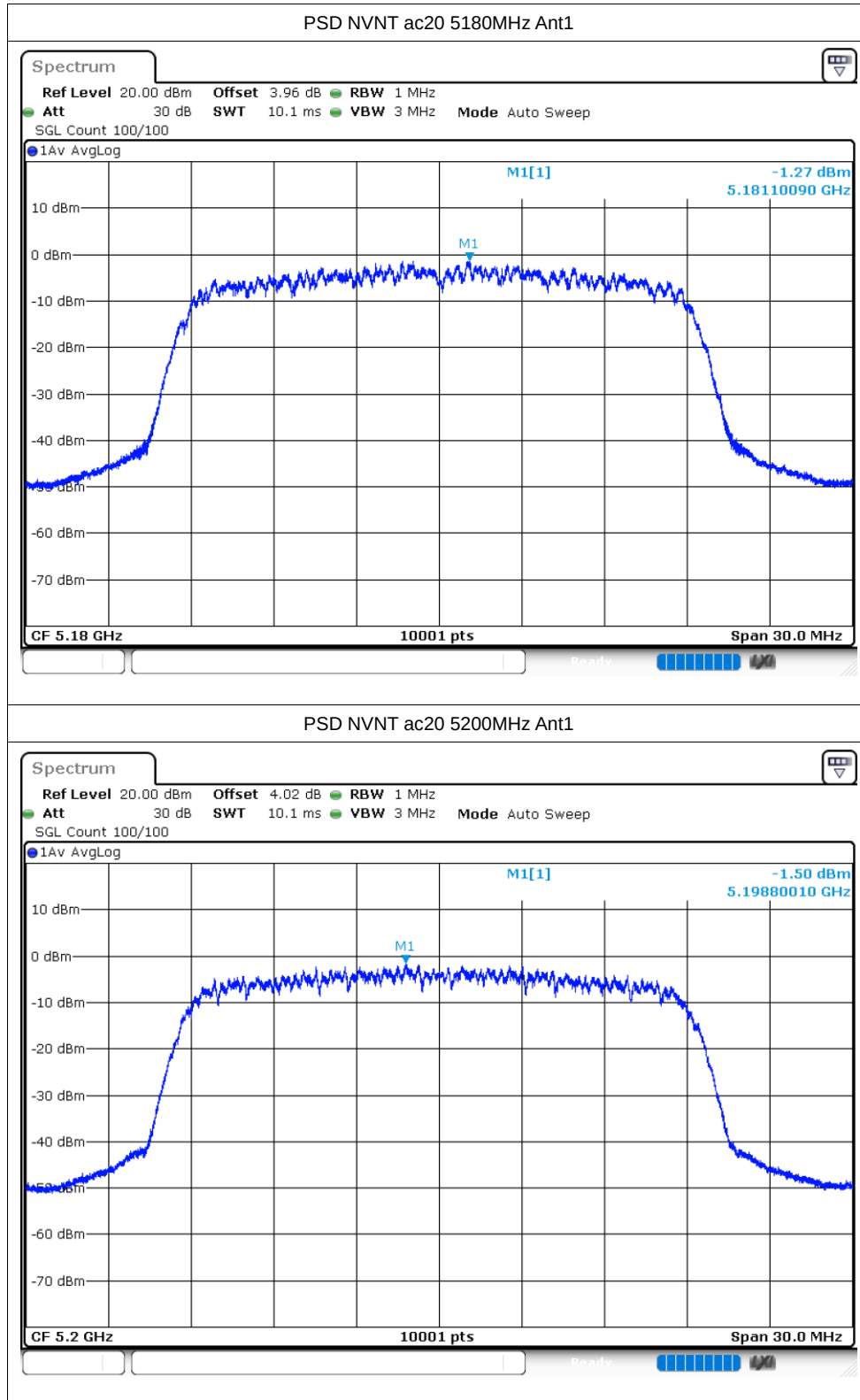
PSD NVNT a 5200MHz Ant1

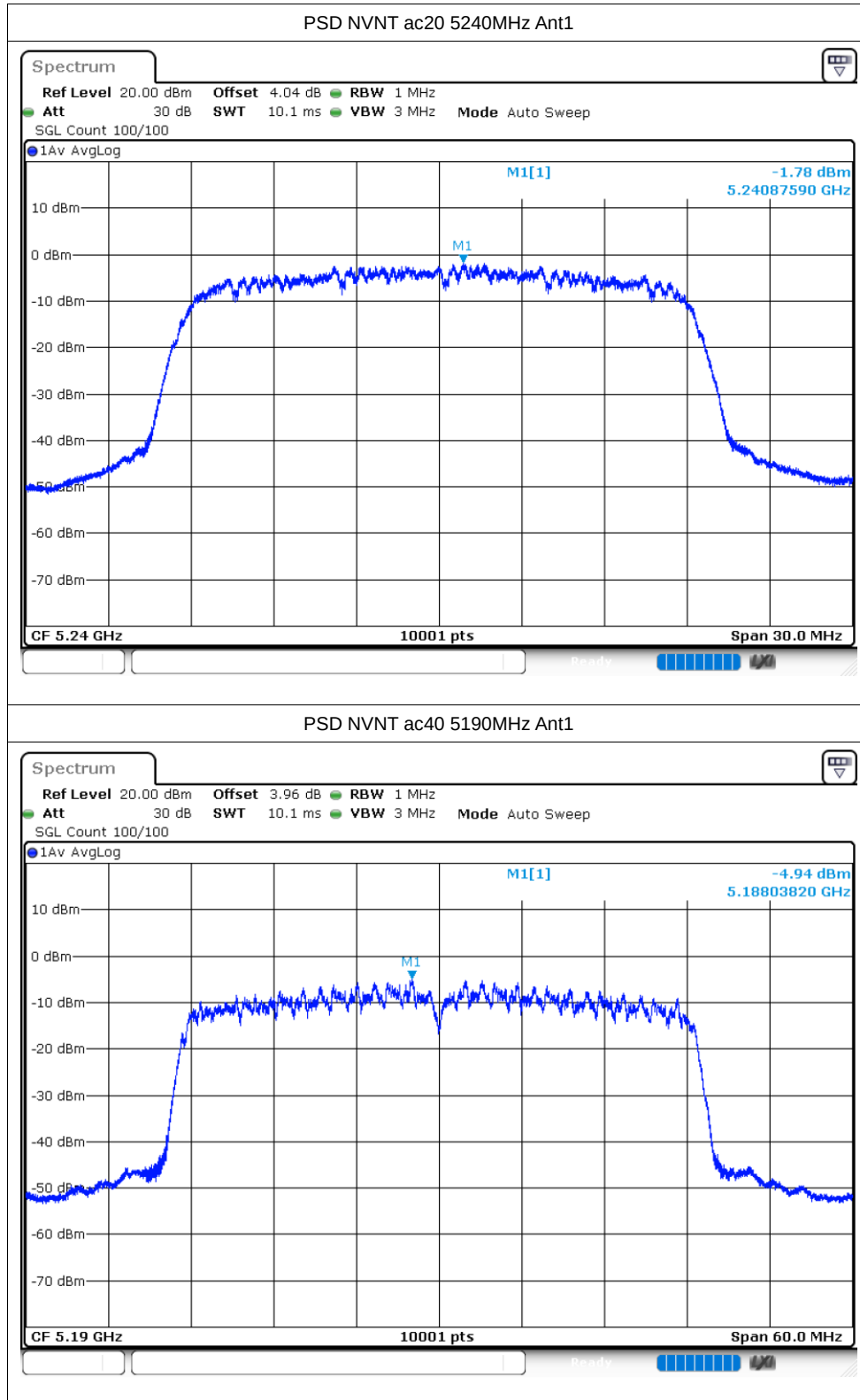


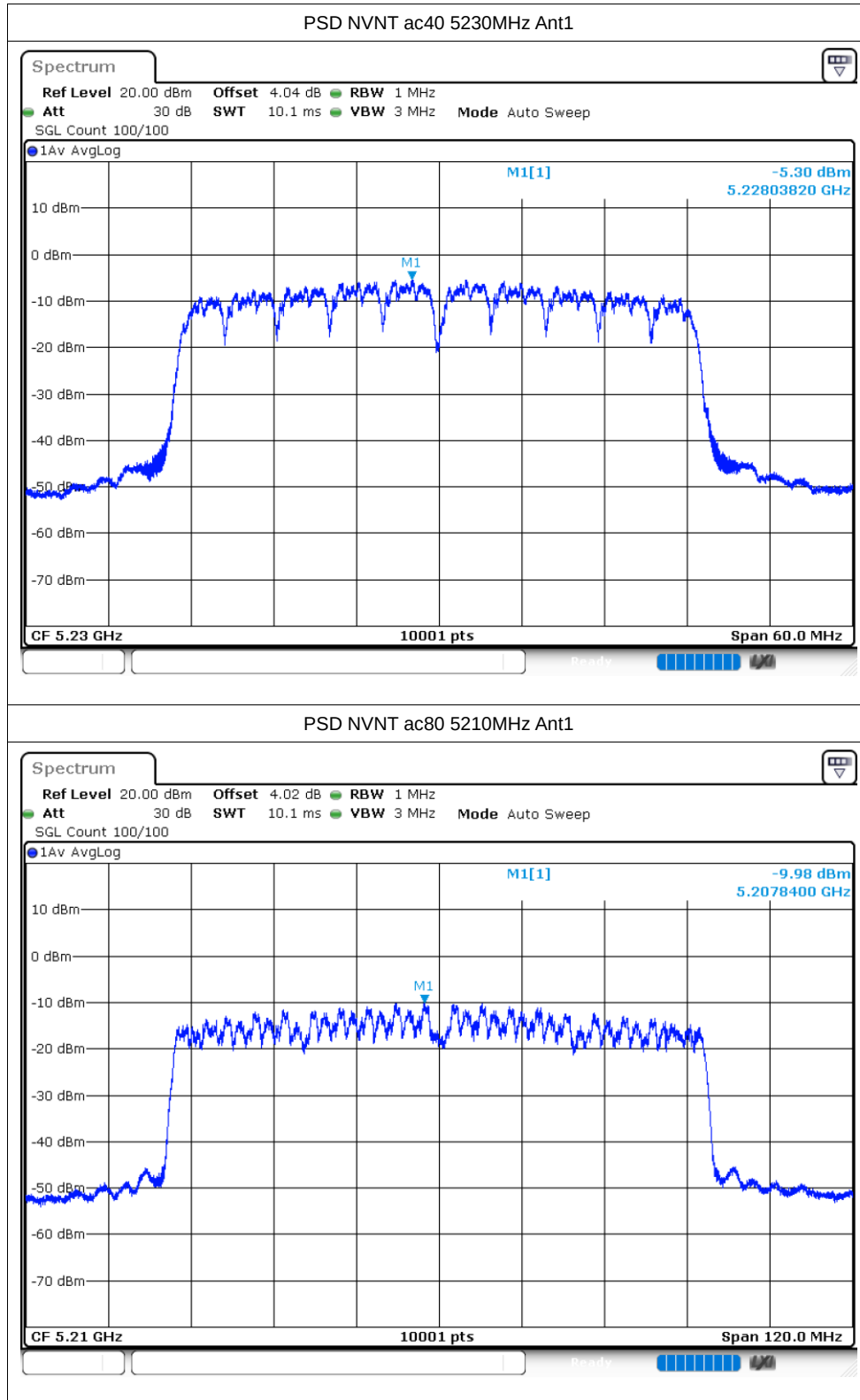










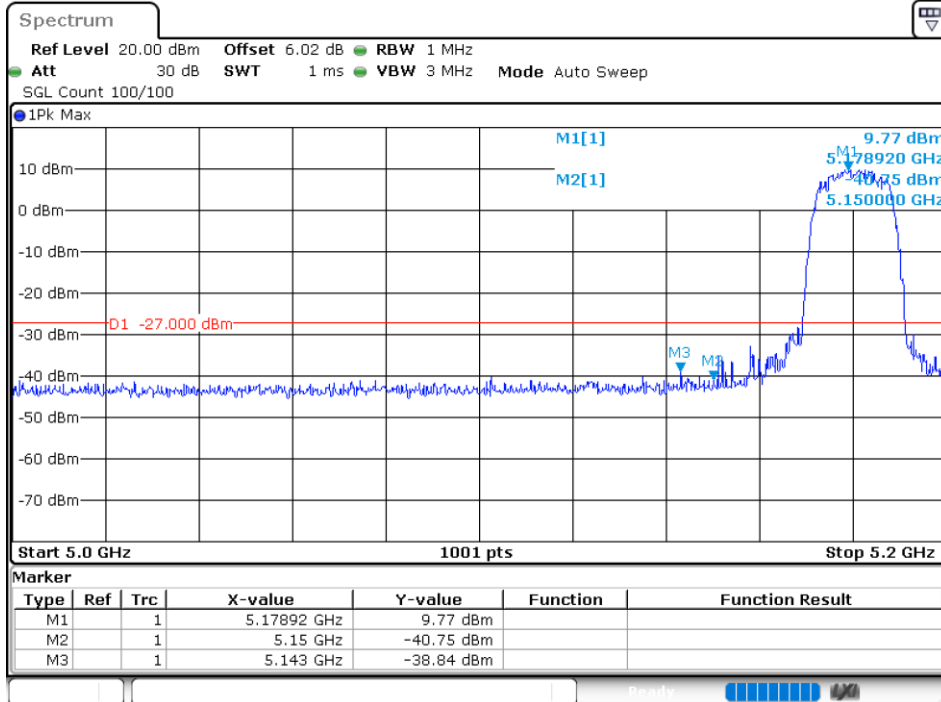


Band Edge

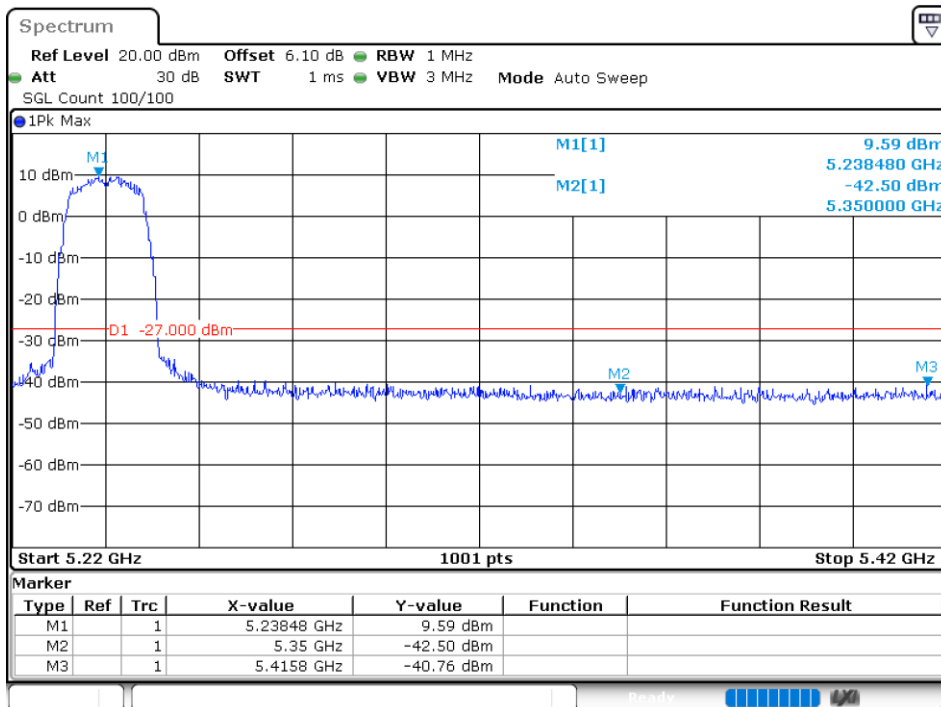
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-38.83	-27	Pass
NVNT	a	5240	Ant1	-40.75	-27	Pass
NVNT	n20	5180	Ant1	-39.43	-27	Pass
NVNT	n20	5240	Ant1	-40.6	-27	Pass
NVNT	n40	5190	Ant1	-35.16	-27	Pass
NVNT	n40	5230	Ant1	-40.18	-27	Pass
NVNT	ac20	5180	Ant1	-37.1	-27	Pass
NVNT	ac20	5240	Ant1	-40.83	-27	Pass
NVNT	ac40	5190	Ant1	-40.6	-27	Pass
NVNT	ac40	5230	Ant1	-41.22	-27	Pass
NVNT	ac80	5210	Ant1	-40.8	-27	Pass

Test Graphs

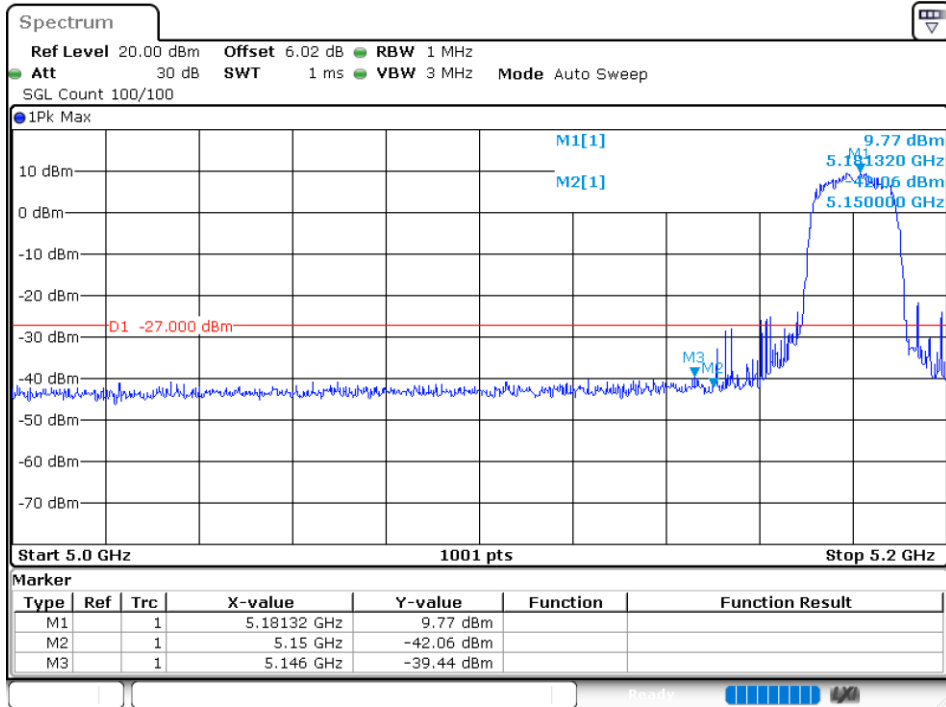
Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1



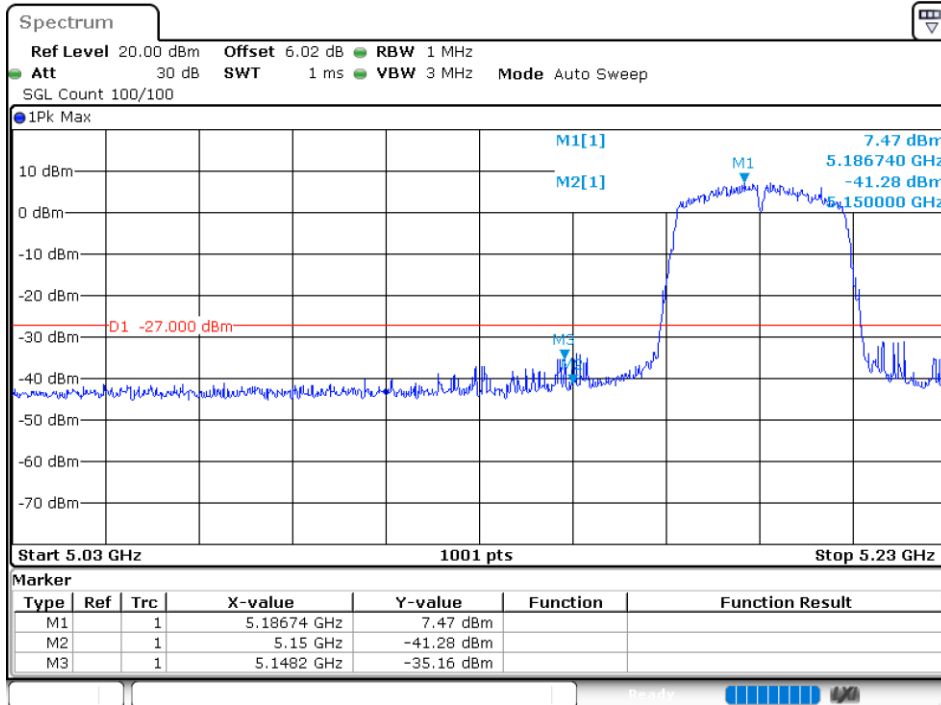
Band Edge NVNT n20 5180MHz Low Ant1



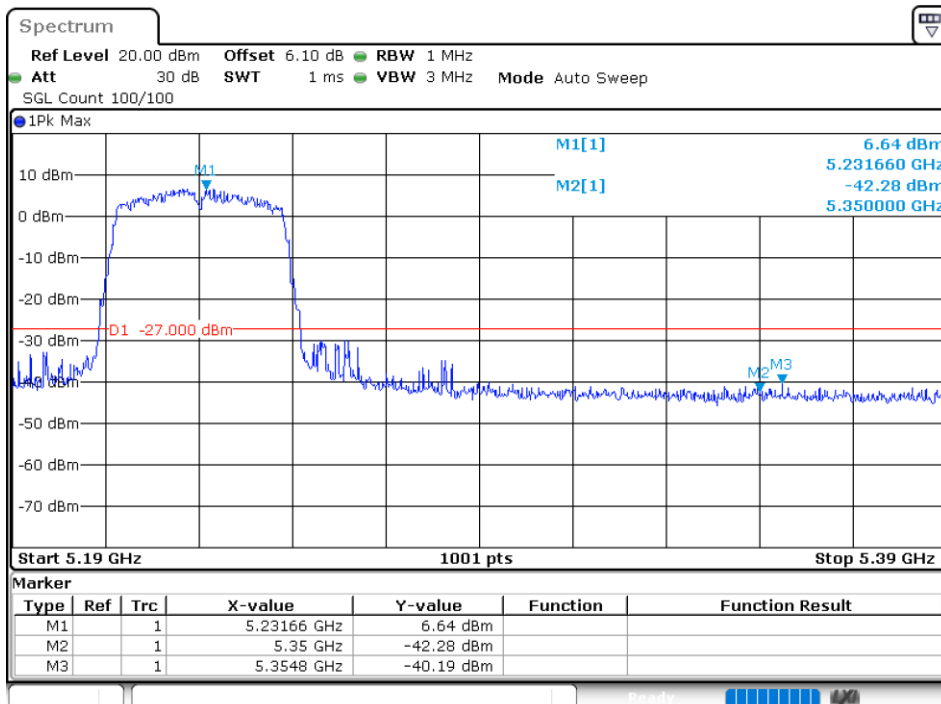
Band Edge NVNT n20 5240MHz High Ant1



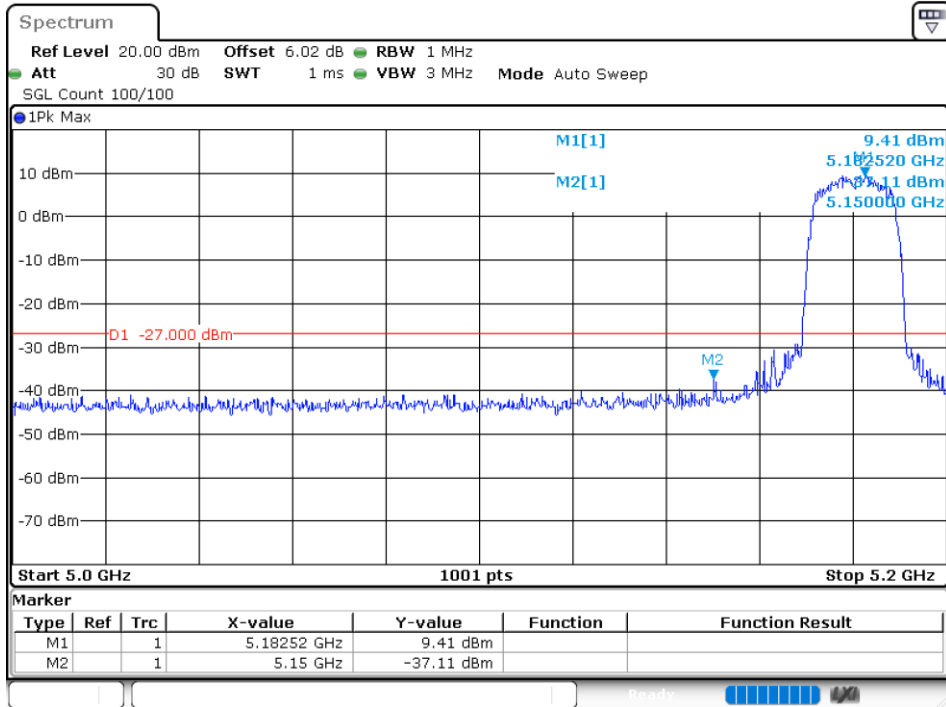
Band Edge NVNT n40 5190MHz Low Ant1



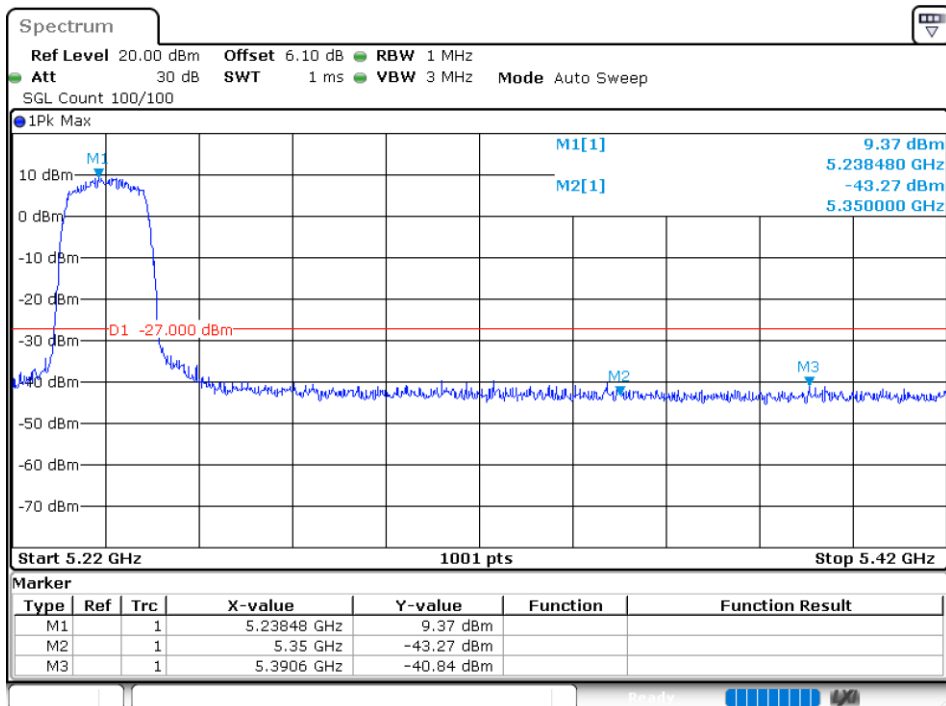
Band Edge NVNT n40 5230MHz High Ant1

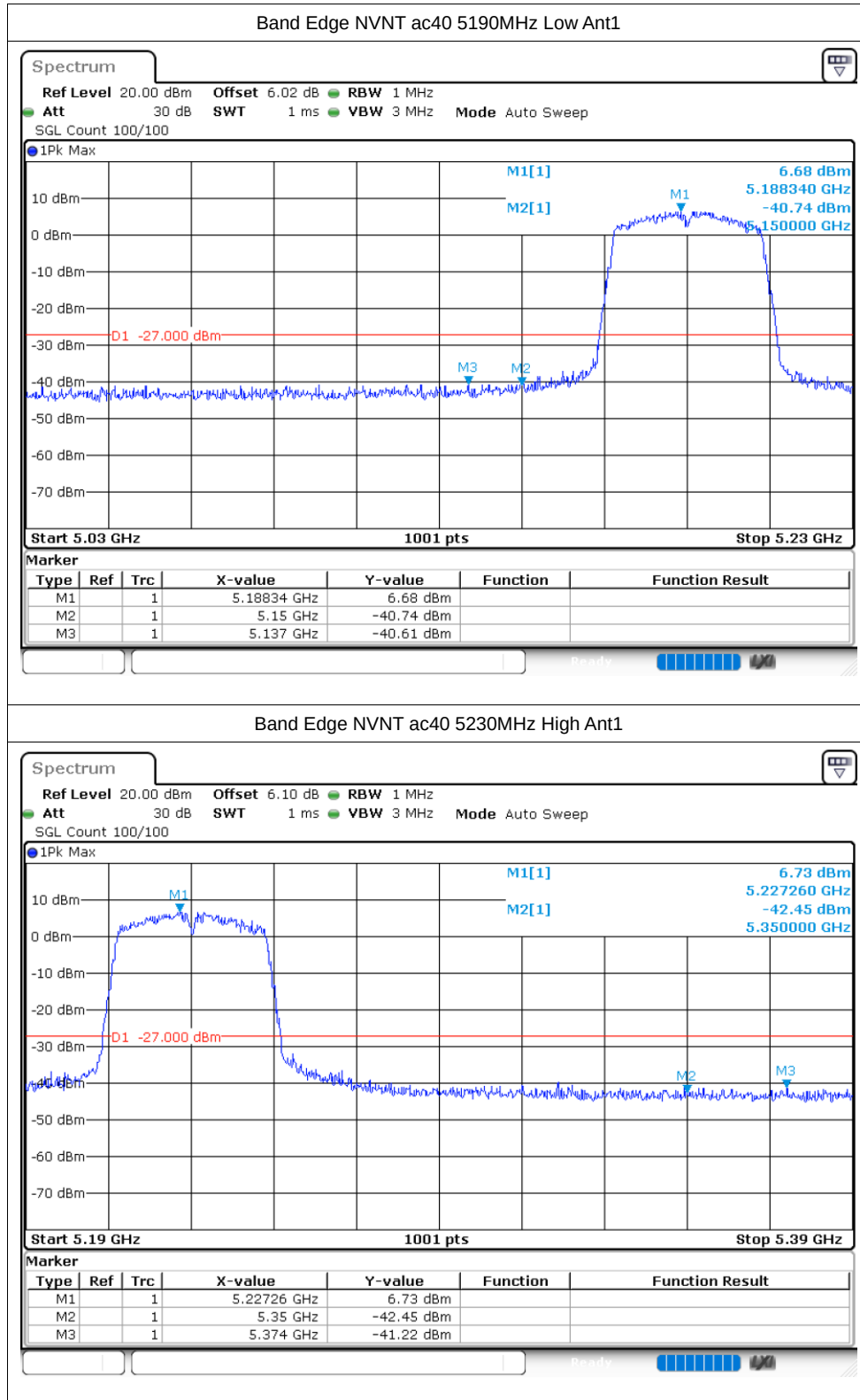


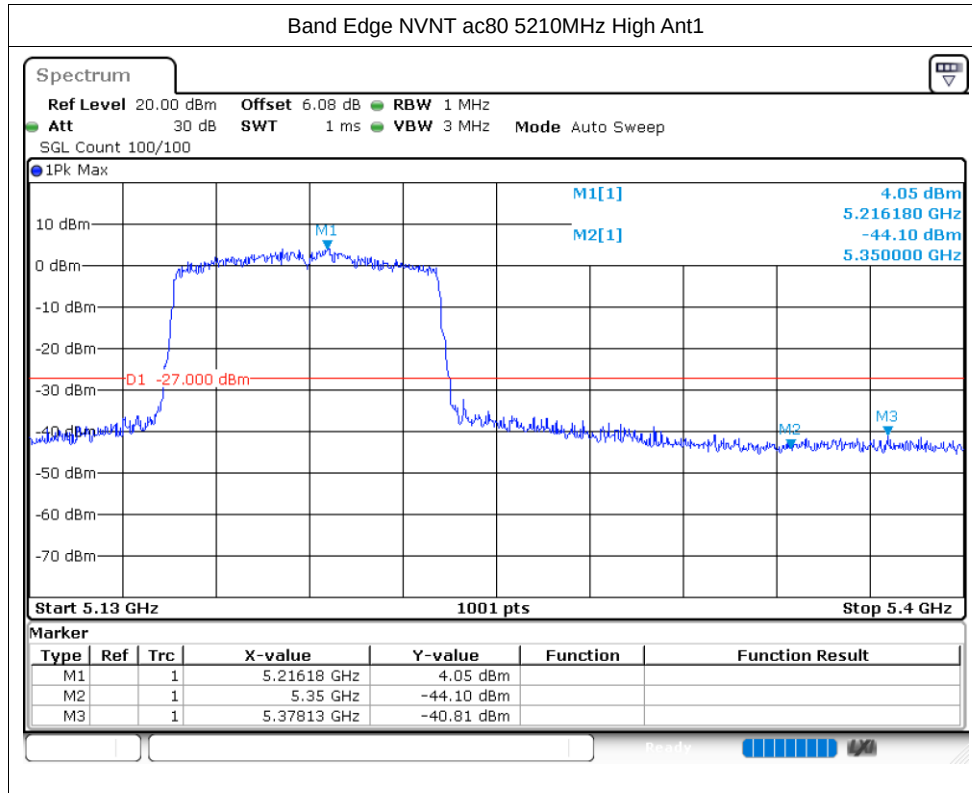
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1





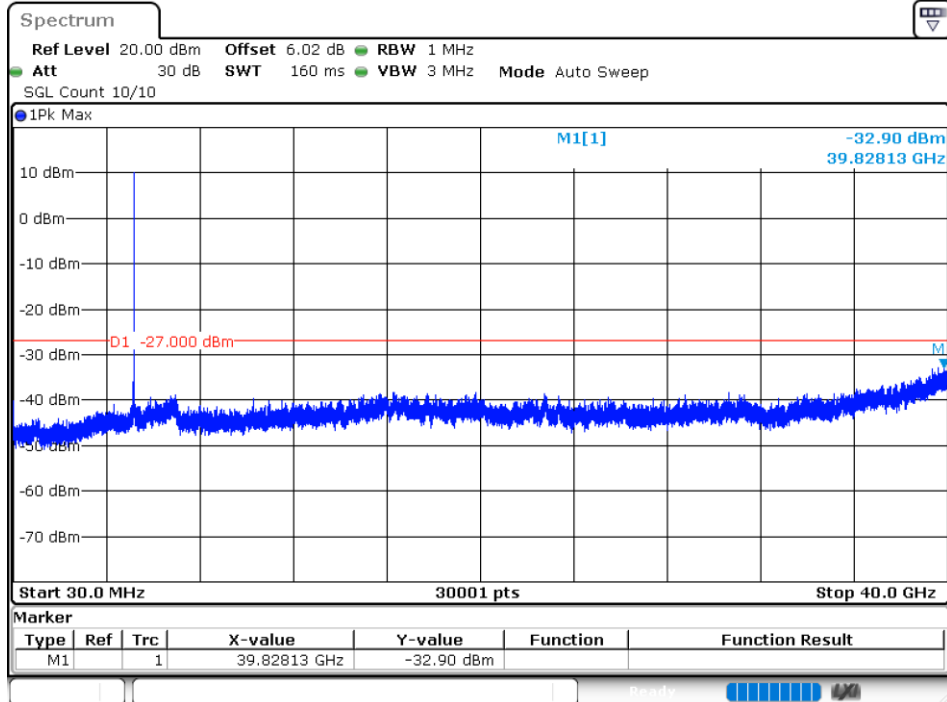


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.9	-27	Pass
NVNT	a	5200	Ant1	-32.6	-27	Pass
NVNT	a	5240	Ant1	-32.8	-27	Pass
NVNT	n20	5180	Ant1	-32.47	-27	Pass
NVNT	n20	5200	Ant1	-32.17	-27	Pass
NVNT	n20	5240	Ant1	-31.91	-27	Pass
NVNT	n40	5190	Ant1	-33.01	-27	Pass
NVNT	n40	5230	Ant1	-31.98	-27	Pass
NVNT	ac20	5180	Ant1	-33.09	-27	Pass
NVNT	ac20	5200	Ant1	-32.88	-27	Pass
NVNT	ac20	5240	Ant1	-33.11	-27	Pass
NVNT	ac40	5190	Ant1	-32.37	-27	Pass
NVNT	ac40	5230	Ant1	-32.28	-27	Pass
NVNT	ac80	5210	Ant1	-31.69	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission



Tx. Spurious NVNT a 5200MHz Ant1 Emission

