

5.2G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	93.08	0.31	0.48
NVNT	a	5200	Ant1	93.43	0.3	0.49
NVNT	a	5240	Ant1	92.48	0.34	0.48
NVNT	a	5180	Ant2	93.23	0.3	0.49
NVNT	a	5200	Ant2	92.84	0.32	0.49
NVNT	a	5240	Ant2	93.65	0.28	0.49
NVNT	n20	5180	Ant1	92.16	0.35	0.52
NVNT	n20	5200	Ant1	93.51	0.29	0.52
NVNT	n20	5240	Ant1	91.18	0.4	0.52
NVNT	n20	5180	Ant2	92.04	0.36	0.52
NVNT	n20	5200	Ant2	92.31	0.35	0.52
NVNT	n20	5240	Ant2	92.44	0.34	0.52
NVNT	n40	5190	Ant1	85.76	0.67	1.06
NVNT	n40	5230	Ant1	85.53	0.68	1.05
NVNT	n40	5190	Ant2	84.99	0.71	1.06
NVNT	n40	5230	Ant2	86.29	0.64	1.05
NVNT	ac20	5180	Ant1	91.15	0.4	0.52
NVNT	ac20	5200	Ant1	90.06	0.45	0.52
NVNT	ac20	5240	Ant1	91.83	0.37	0.52
NVNT	ac20	5180	Ant2	91.79	0.37	0.52
NVNT	ac20	5200	Ant2	91.8	0.37	0.52
NVNT	ac20	5240	Ant2	91.95	0.36	0.52
NVNT	ac40	5190	Ant1	83.08	0.8	1.05
NVNT	ac40	5230	Ant1	84.58	0.73	1.04
NVNT	ac40	5190	Ant2	83.71	0.77	1.04
NVNT	ac40	5230	Ant2	84.74	0.72	1.04
NVNT	ac80	5210	Ant1	71.9	1.43	2.17
NVNT	ac80	5210	Ant2	74.1	1.3	2.13

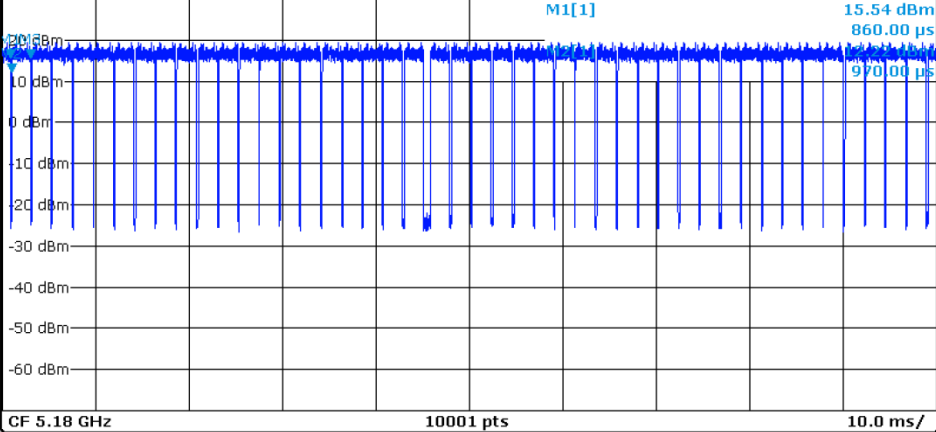
Test Graphs

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

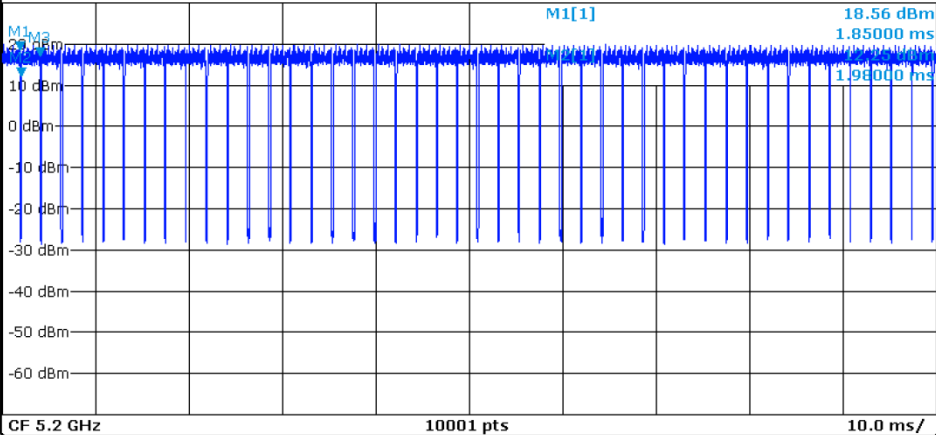
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		860.0 μs	15.54 dBm		
M2	1		970.0 μs	12.22 dBm		
M3	1		3.04 ms	15.54 dBm		

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

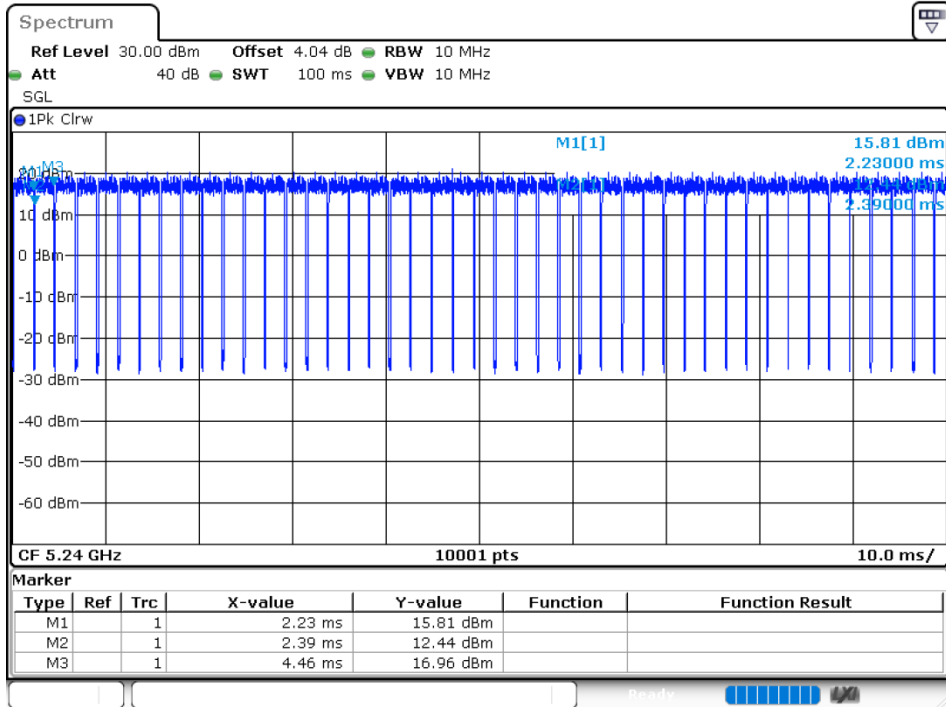
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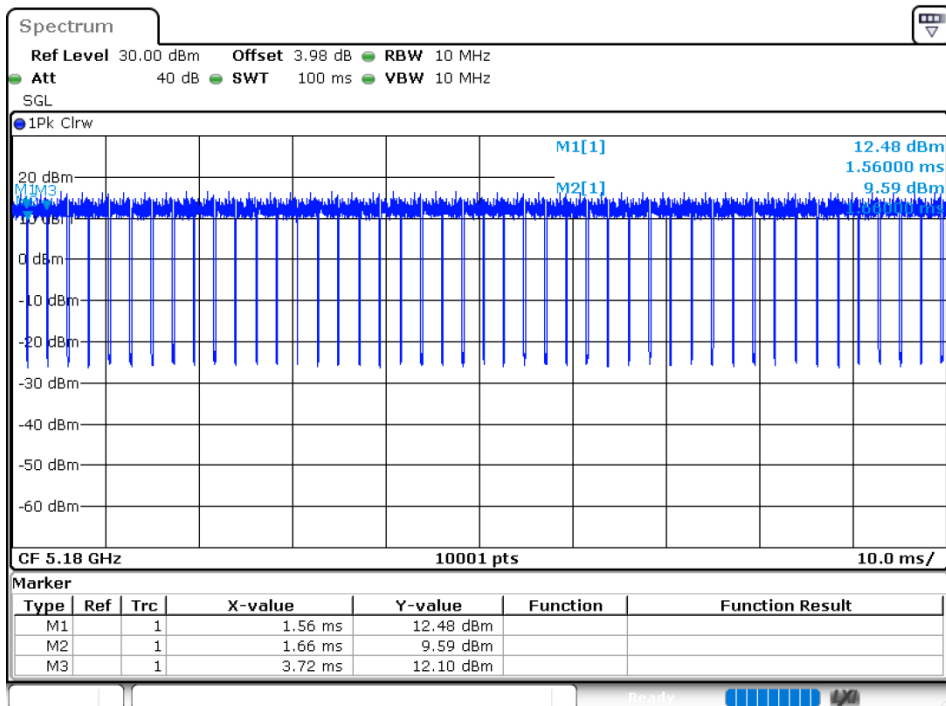
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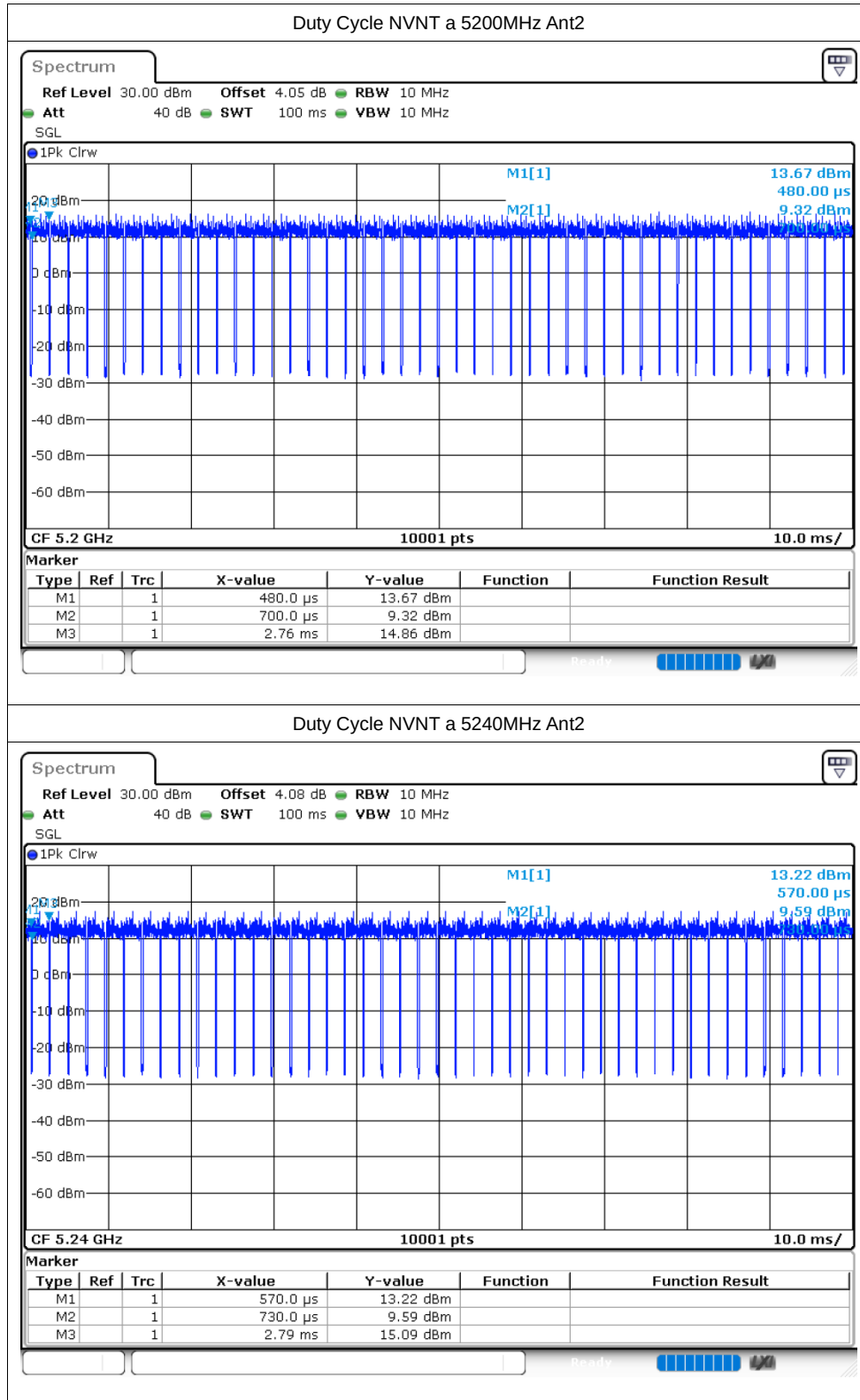
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M1	1		1.85 ms	18.56 dBm		
M2	1		1.98 ms	12.25 dBm		
M3	1		4.04 ms	17.08 dBm		

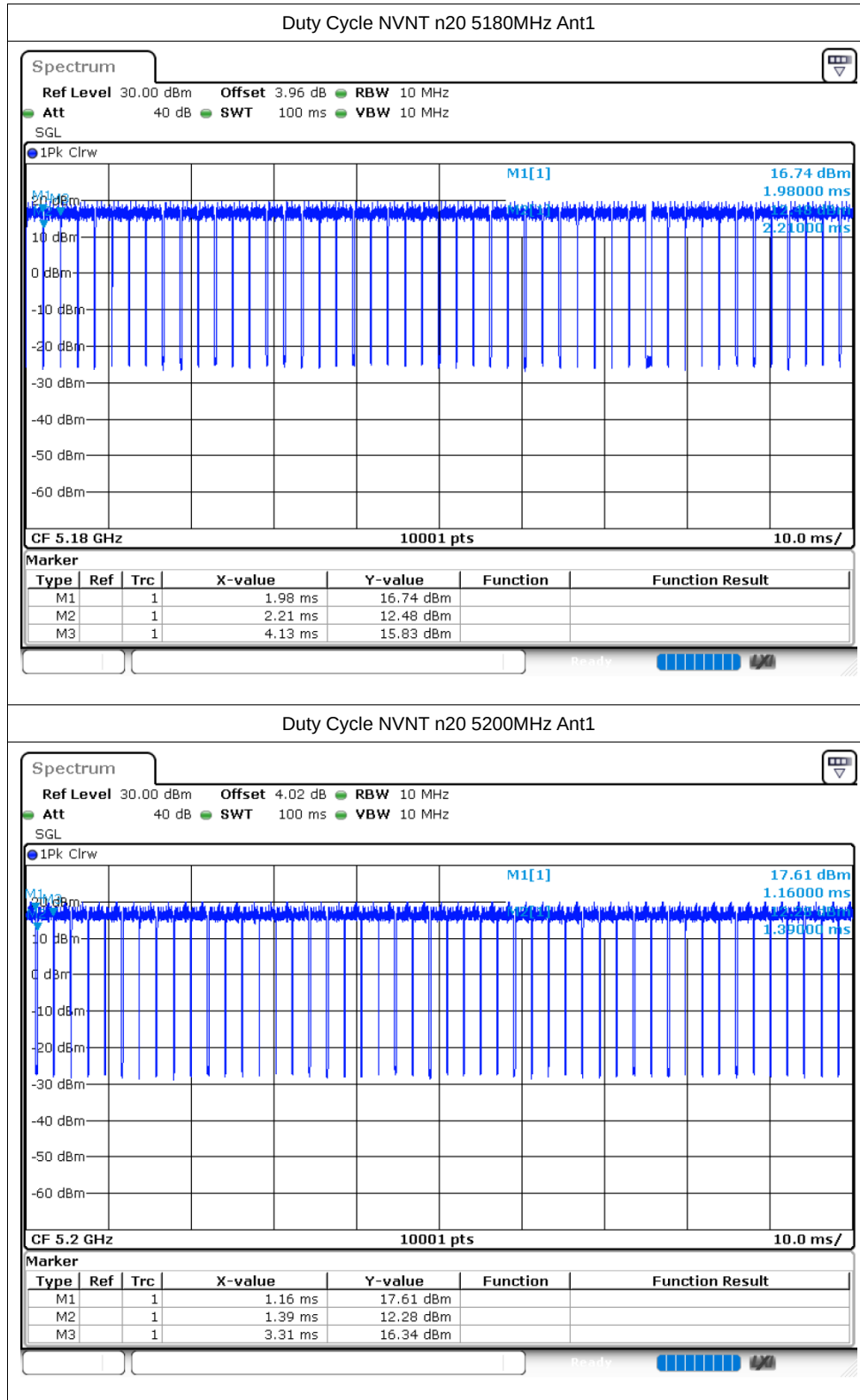
Duty Cycle NVNT a 5240MHz Ant1

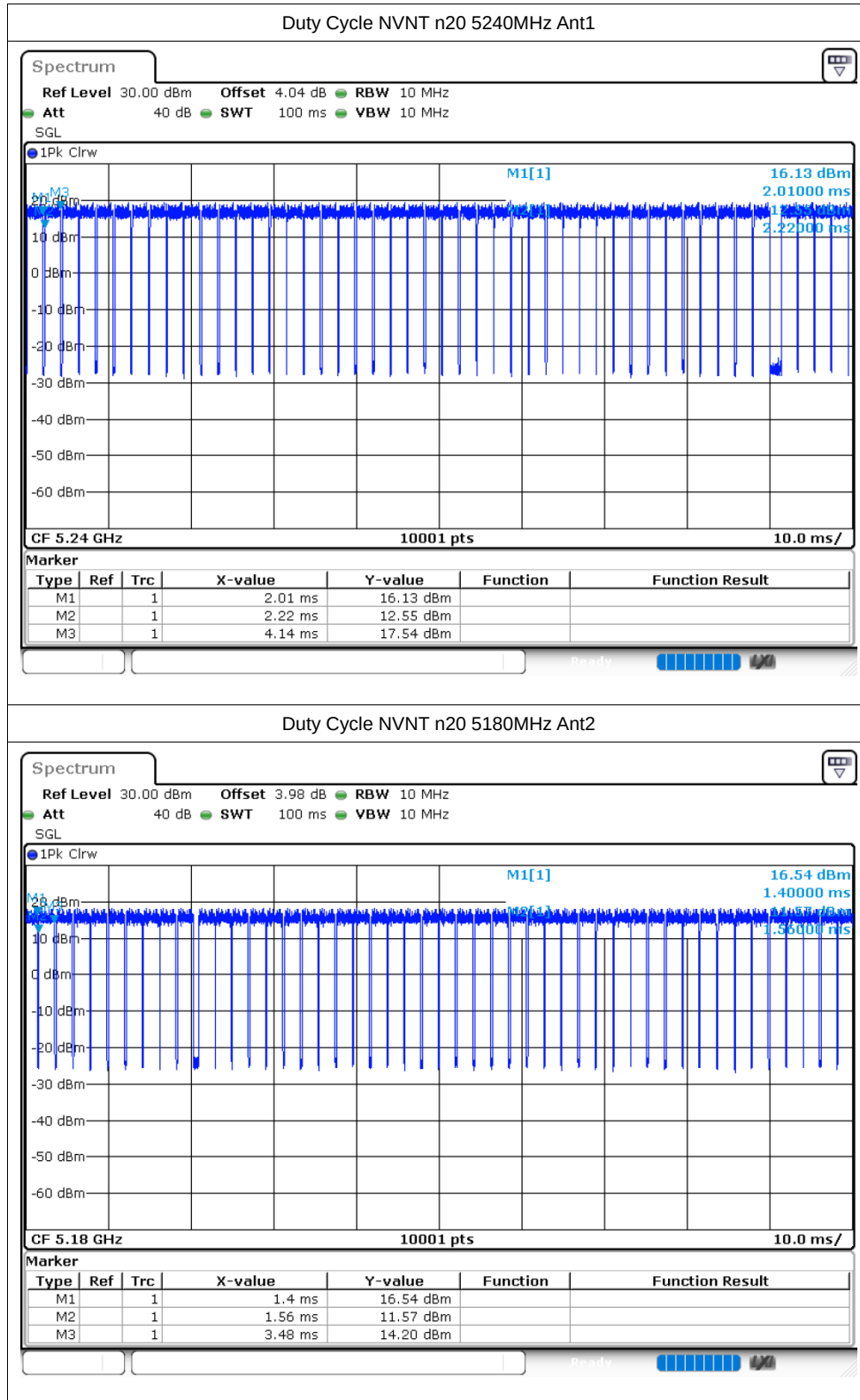


Duty Cycle NVNT a 5180MHz Ant2

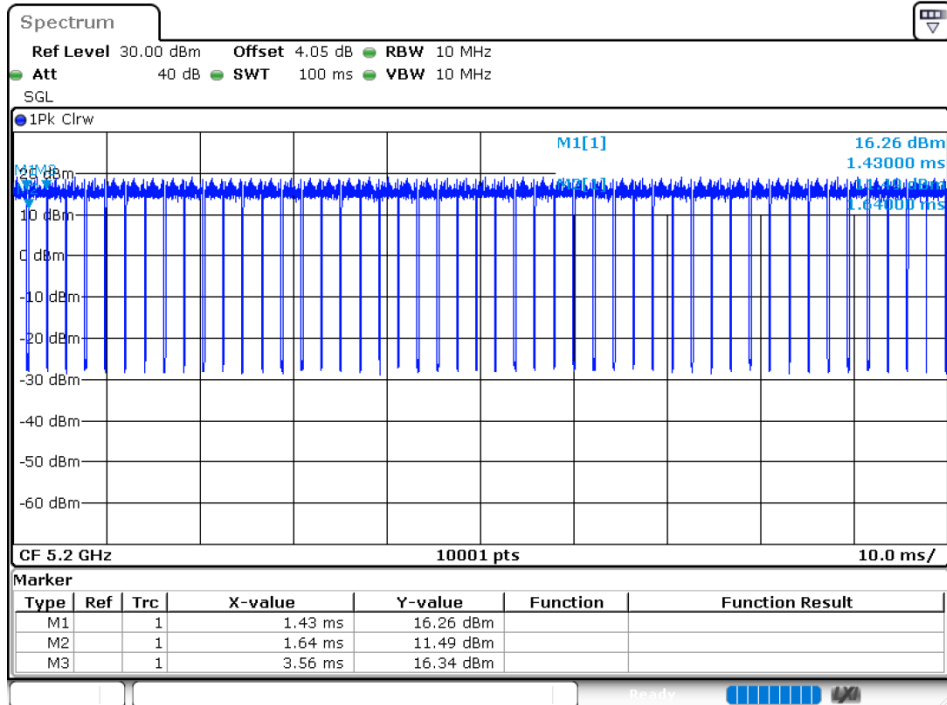




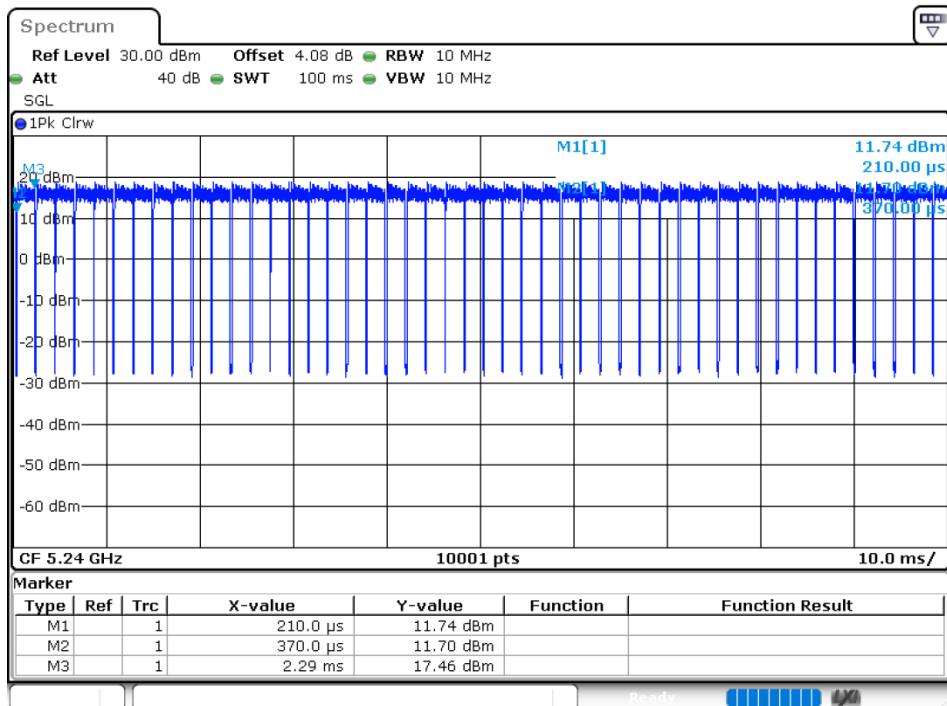


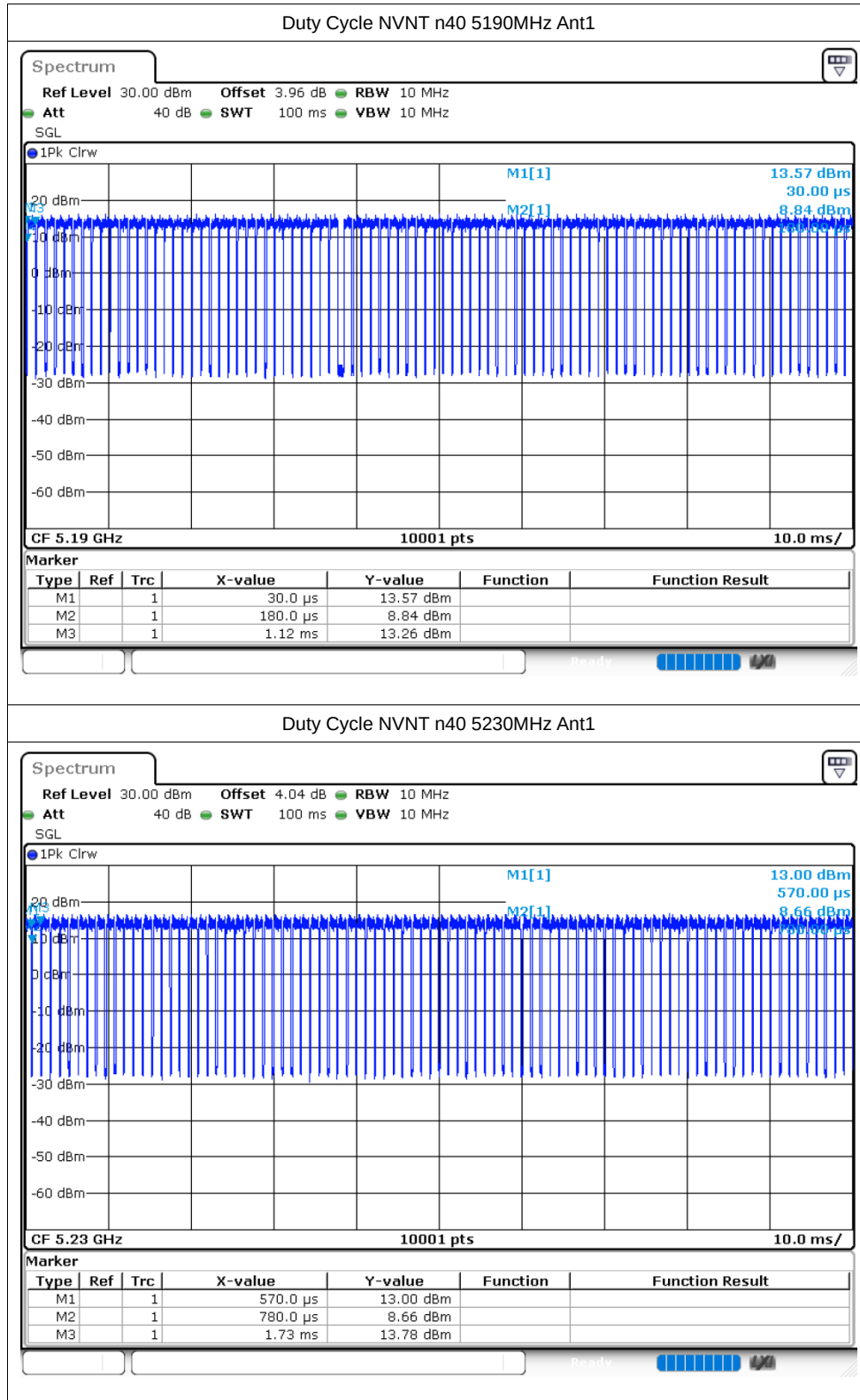


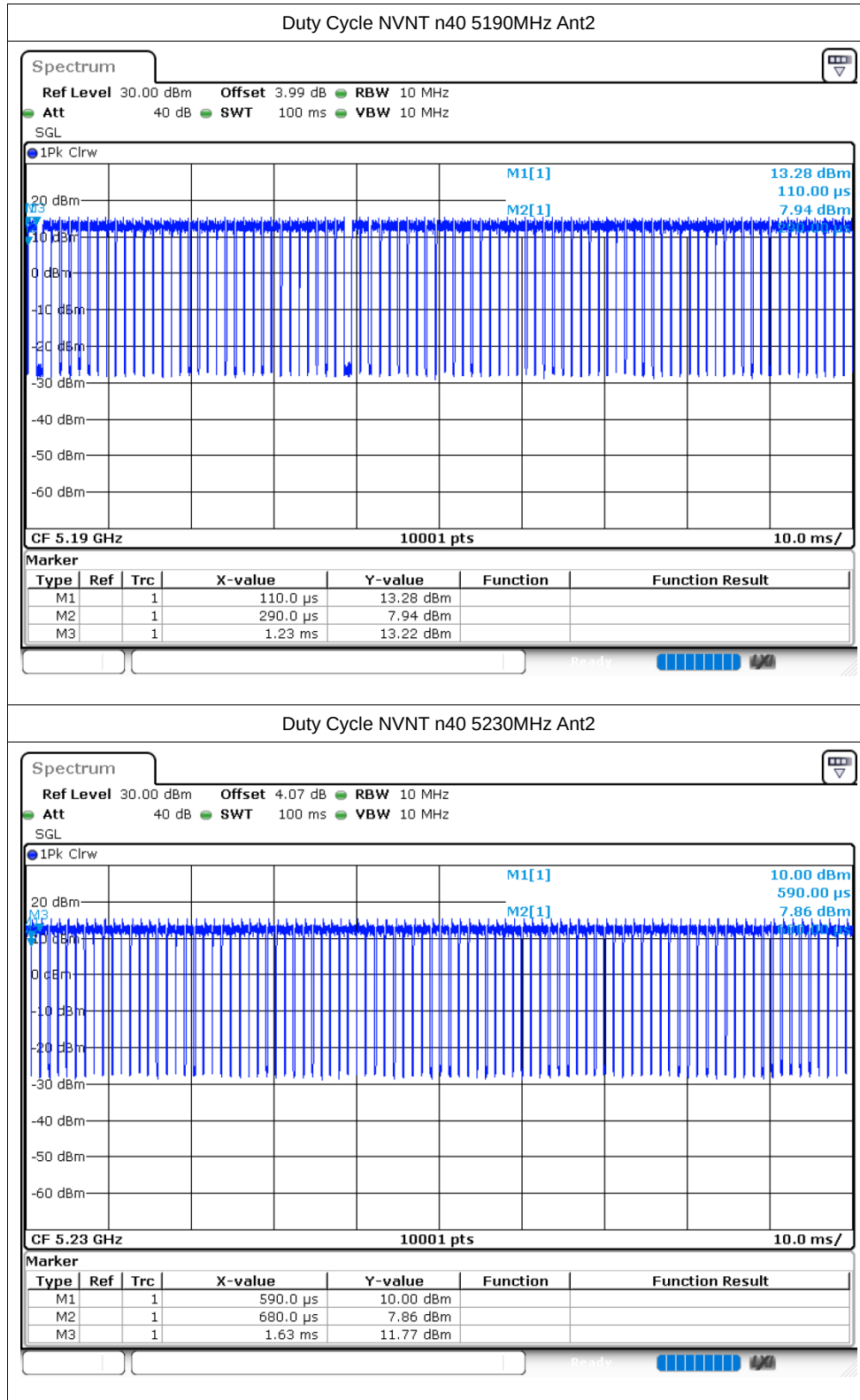
Duty Cycle NVNT n20 5200MHz Ant2

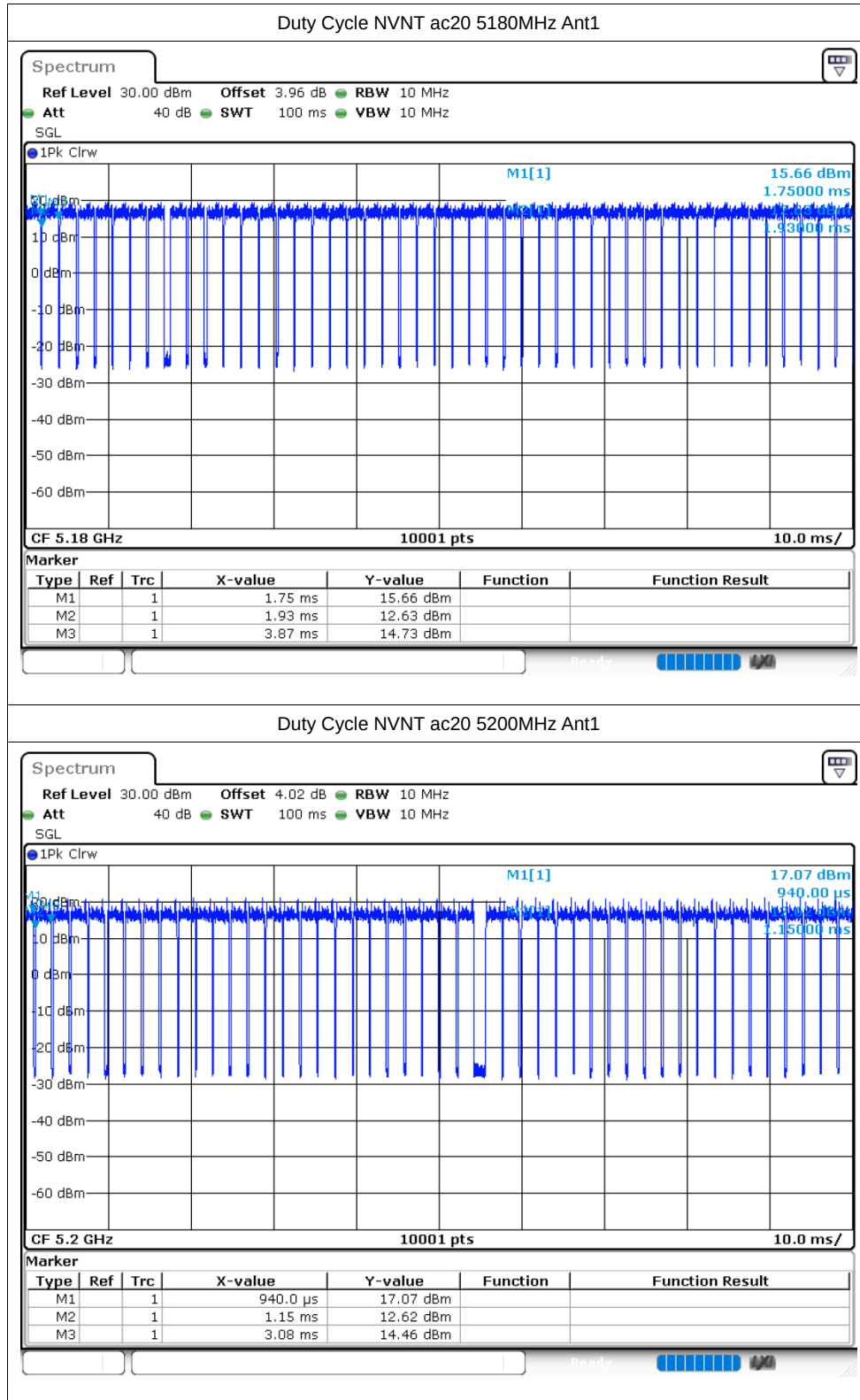


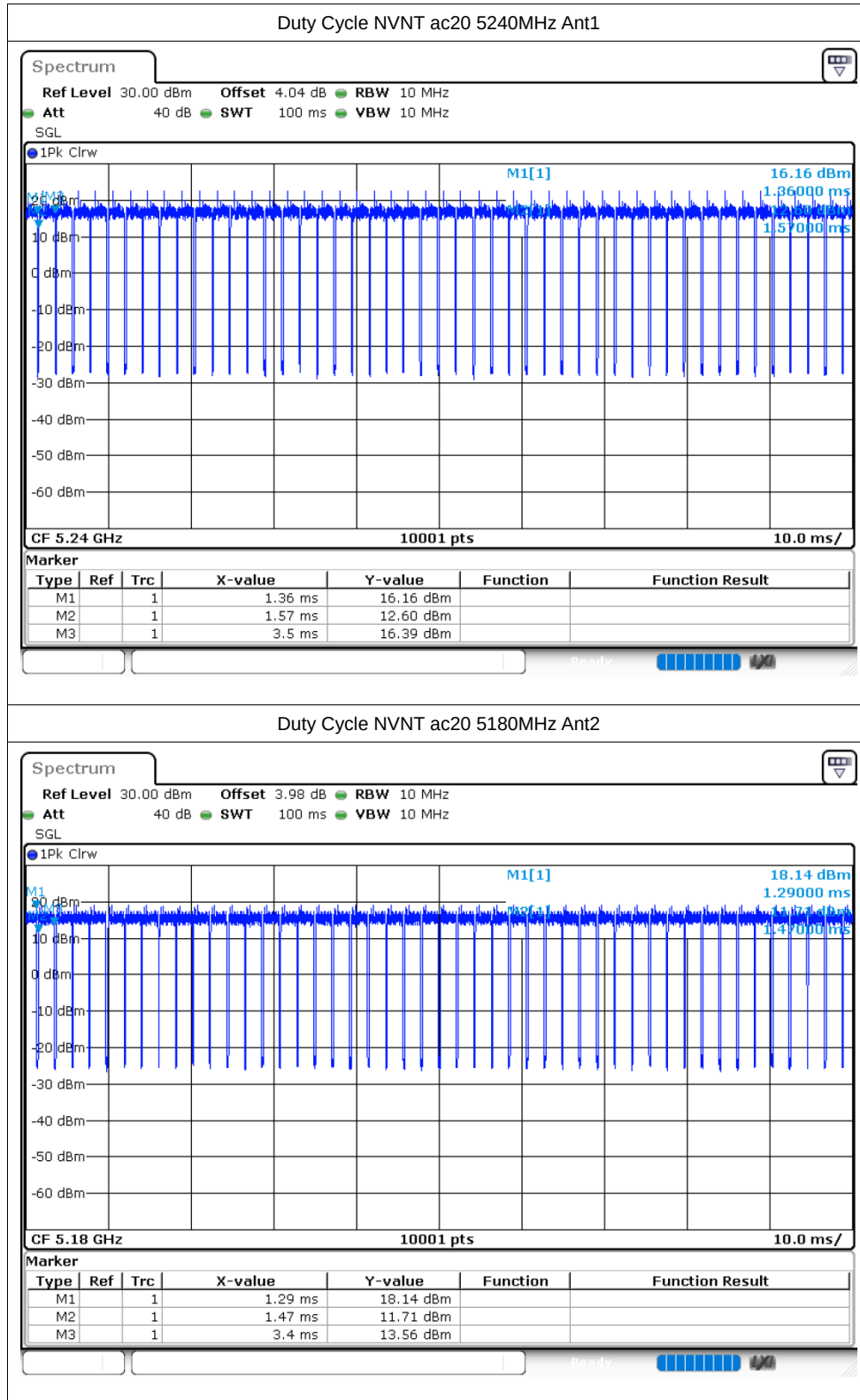
Duty Cycle NVNT n20 5240MHz Ant2

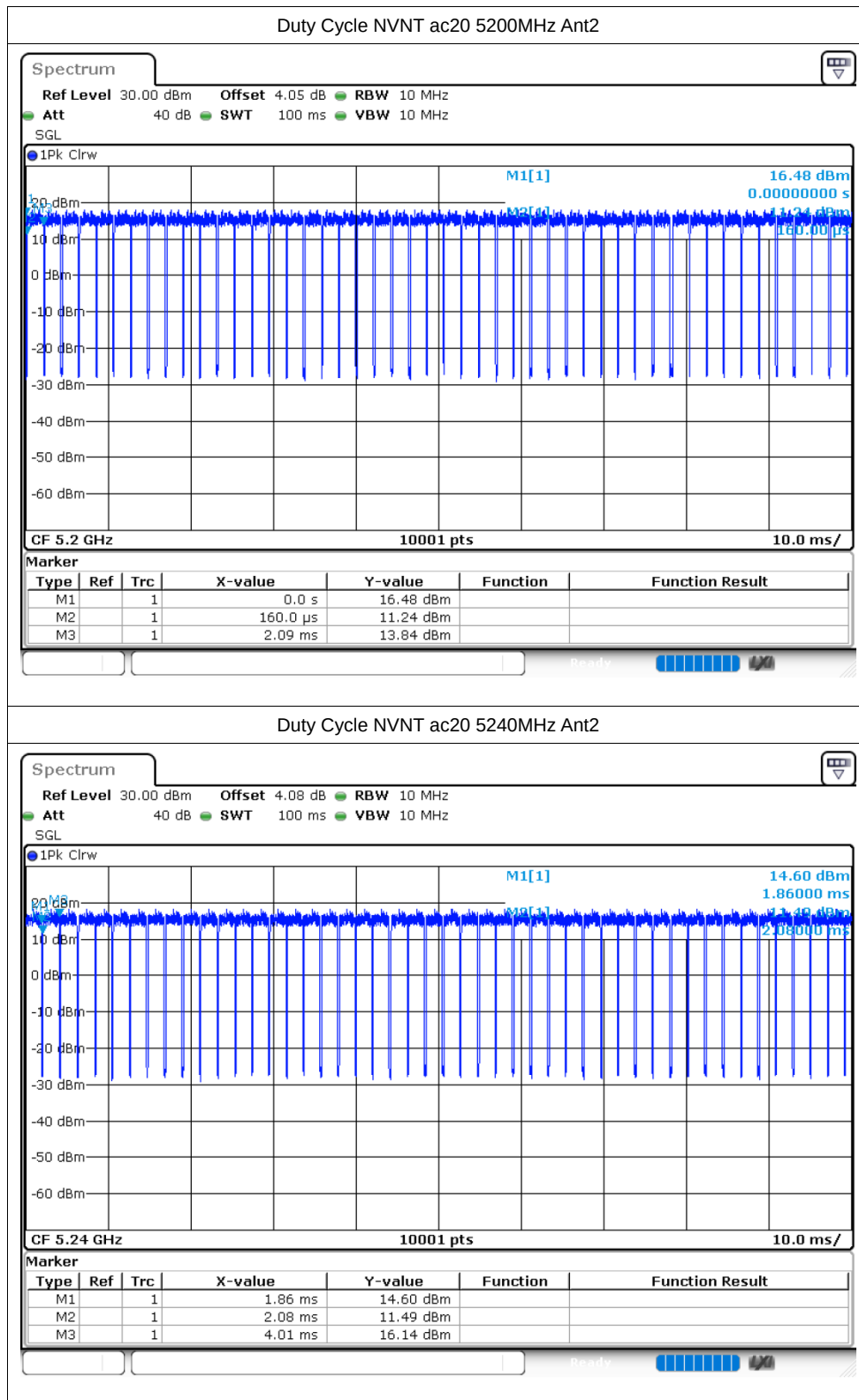


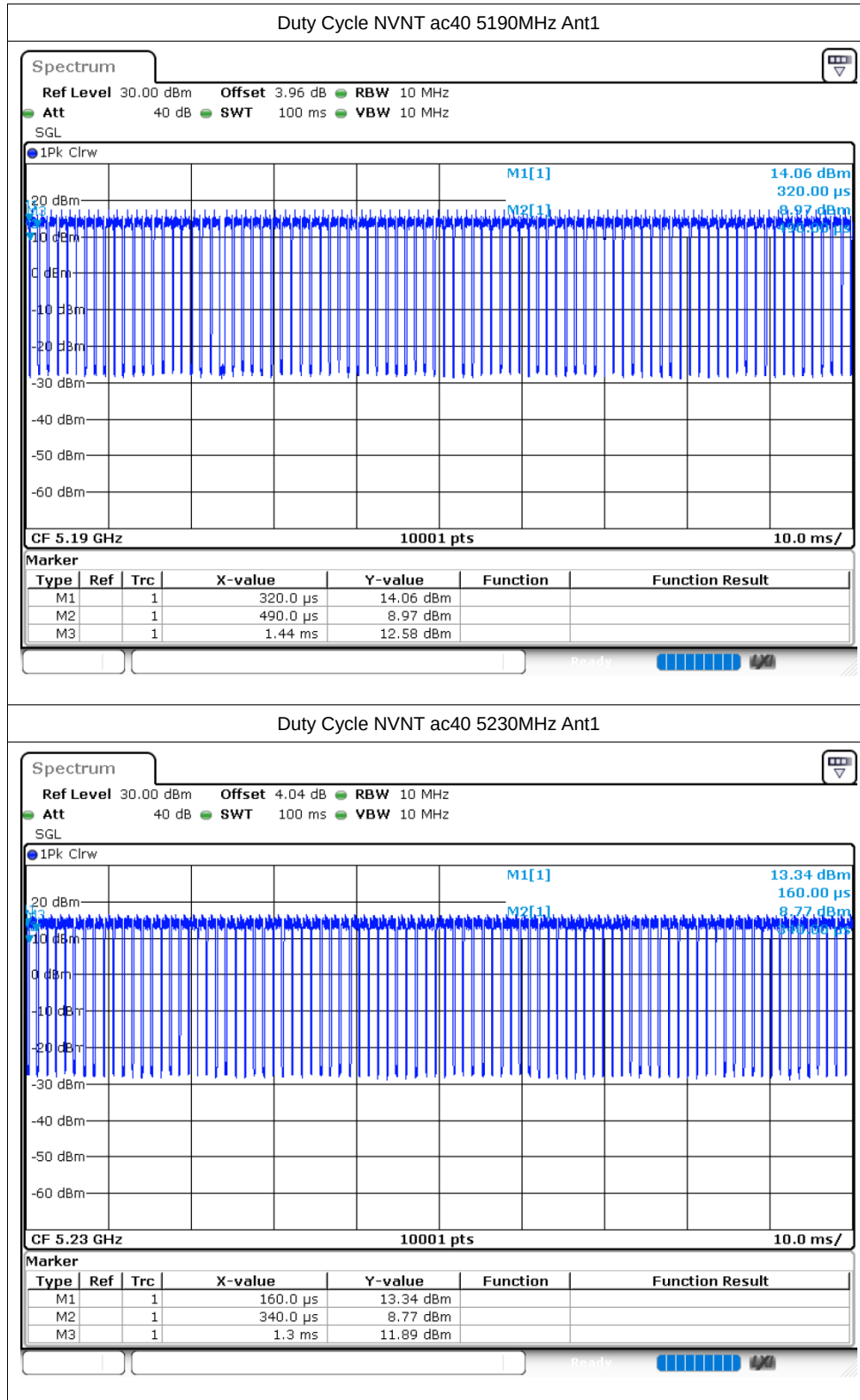


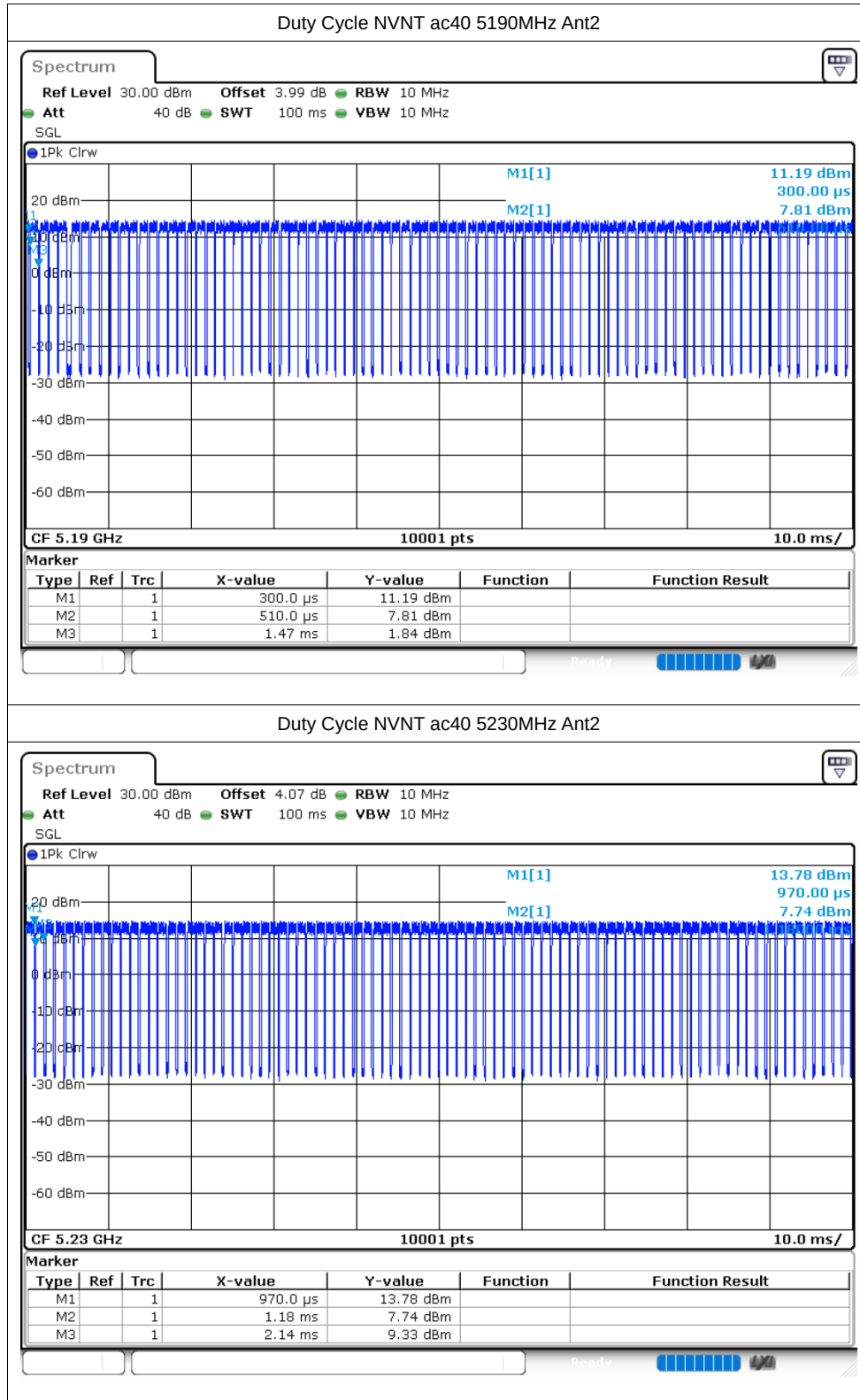


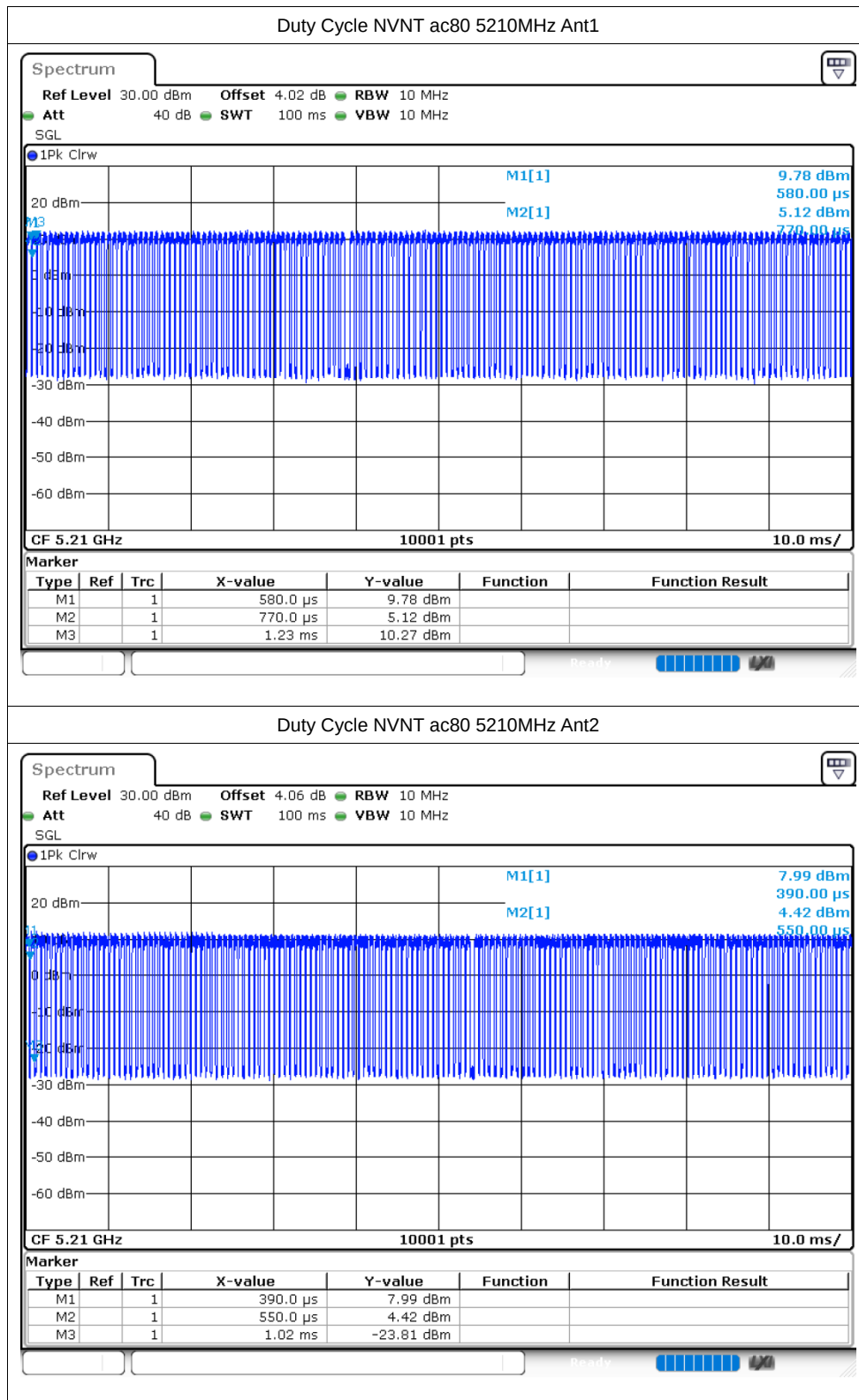












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.34	24	Pass
NVNT	a	5200	Ant1	11.73	24	Pass
NVNT	a	5240	Ant1	12.34	24	Pass
NVNT	a	5180	Ant2	11.89	24	Pass
NVNT	a	5200	Ant2	11.92	24	Pass
NVNT	a	5240	Ant2	11.96	24	Pass
NVNT	n20	5180	Ant1	11.38	24	Pass
NVNT	n20	5200	Ant1	11.71	24	Pass
NVNT	n20	5240	Ant1	12.4	24	Pass
NVNT	n20	5180	Ant2	11.55	24	Pass
NVNT	n20	5200	Ant2	11.75	24	Pass
NVNT	n20	5240	Ant2	11.86	24	Pass
NVNT	n40	5190	Ant1	11.17	24	Pass
NVNT	n40	5230	Ant1	12.11	24	Pass
NVNT	n40	5190	Ant2	11.36	24	Pass
NVNT	n40	5230	Ant2	11.56	24	Pass
NVNT	ac20	5180	Ant1	11.67	24	Pass
NVNT	ac20	5200	Ant1	12	24	Pass
NVNT	ac20	5240	Ant1	12.36	24	Pass
NVNT	ac20	5180	Ant2	11.58	24	Pass
NVNT	ac20	5200	Ant2	11.75	24	Pass
NVNT	ac20	5240	Ant2	11.83	24	Pass
NVNT	ac40	5190	Ant1	11.51	24	Pass
NVNT	ac40	5230	Ant1	11.99	24	Pass
NVNT	ac40	5190	Ant2	11.34	24	Pass
NVNT	ac40	5230	Ant2	11.5	24	Pass
NVNT	ac80	5210	Ant1	11.64	24	Pass
NVNT	ac80	5210	Ant2	11.59	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.723	Pass
NVNT	a	5200	Ant1	18.417	Pass
NVNT	a	5240	Ant1	18.465	Pass
NVNT	a	5180	Ant2	14.451	Pass
NVNT	a	5200	Ant2	14.46	Pass
NVNT	a	5240	Ant2	14.43	Pass
NVNT	n20	5180	Ant1	19.731	Pass
NVNT	n20	5200	Ant1	19.398	Pass
NVNT	n20	5240	Ant1	19.416	Pass
NVNT	n20	5180	Ant2	19.461	Pass
NVNT	n20	5200	Ant2	19.563	Pass
NVNT	n20	5240	Ant2	19.524	Pass
NVNT	n40	5190	Ant1	41.628	Pass
NVNT	n40	5230	Ant1	41.856	Pass
NVNT	n40	5190	Ant2	41.19	Pass
NVNT	n40	5230	Ant2	41.382	Pass
NVNT	ac20	5180	Ant1	19.371	Pass
NVNT	ac20	5200	Ant1	19.317	Pass
NVNT	ac20	5240	Ant1	19.617	Pass
NVNT	ac20	5180	Ant2	19.236	Pass
NVNT	ac20	5200	Ant2	19.545	Pass
NVNT	ac20	5240	Ant2	19.44	Pass
NVNT	ac40	5190	Ant1	41.73	Pass
NVNT	ac40	5230	Ant1	41.712	Pass
NVNT	ac40	5190	Ant2	41.736	Pass
NVNT	ac40	5230	Ant2	41.592	Pass
NVNT	ac80	5210	Ant1	81.504	Pass
NVNT	ac80	5210	Ant2	81.324	Pass

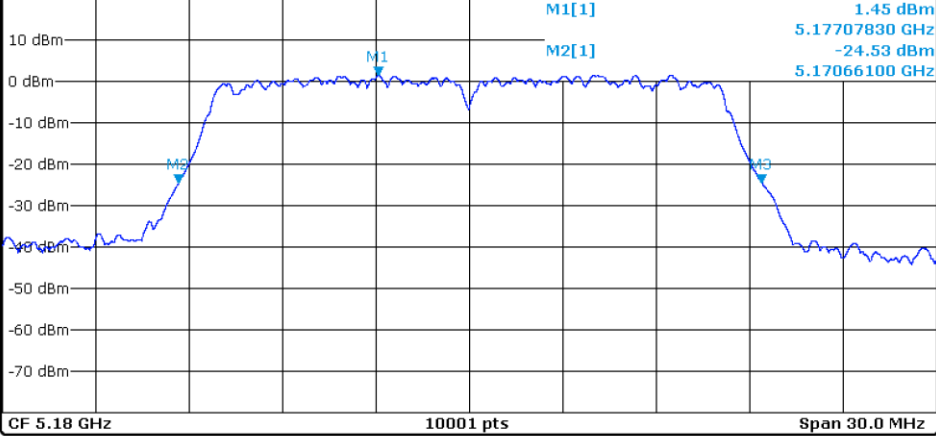
Test Graphs

-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

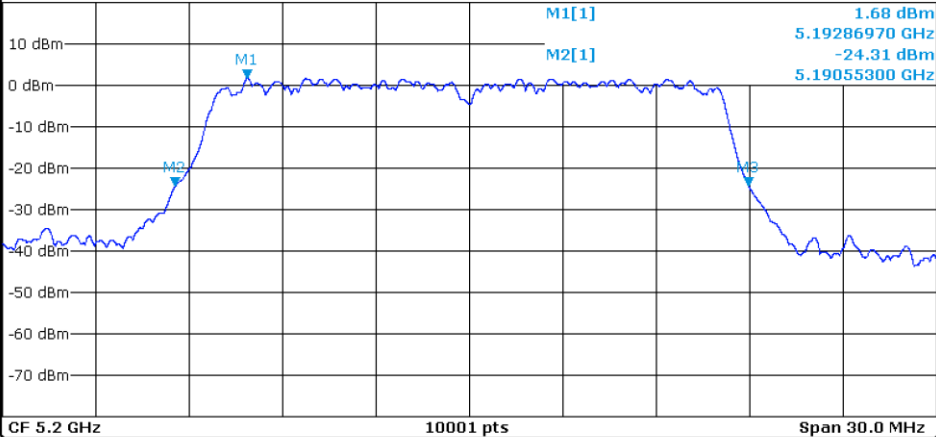
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1770783 GHz	1.45 dBm		
M2	1		5.170661 GHz	-24.53 dBm		
M3	1		5.189384 GHz	-24.54 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

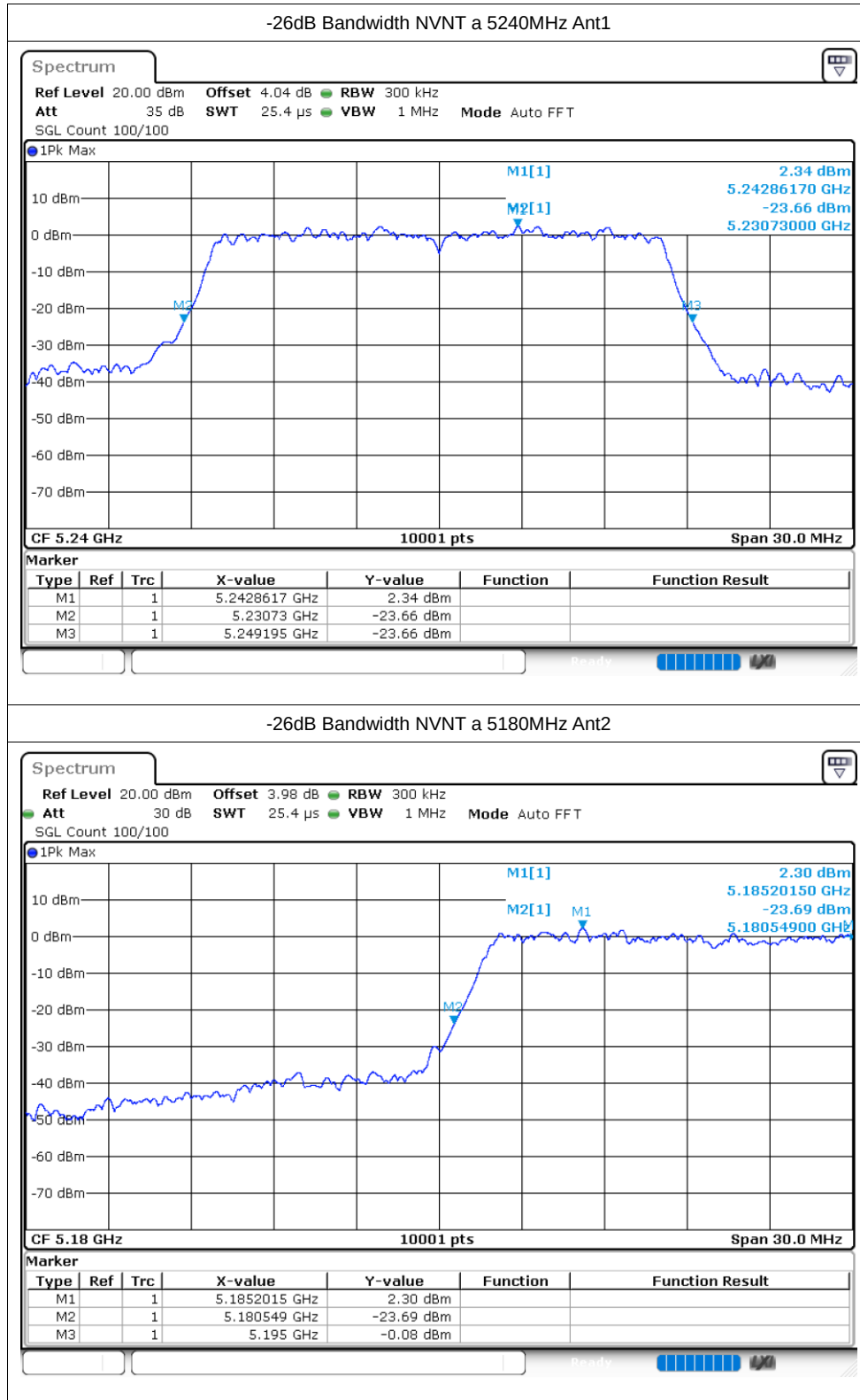
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

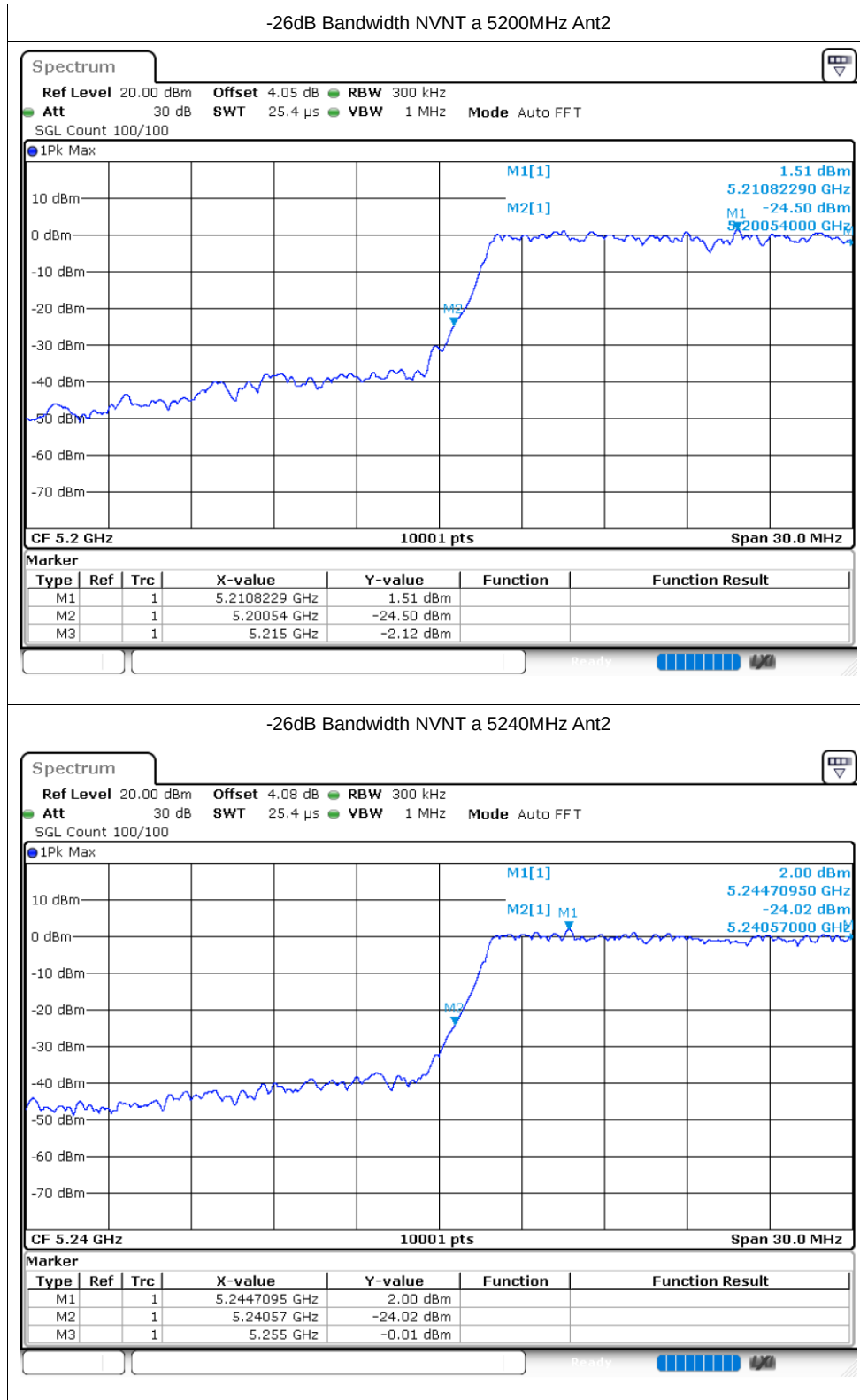
1Pk Max

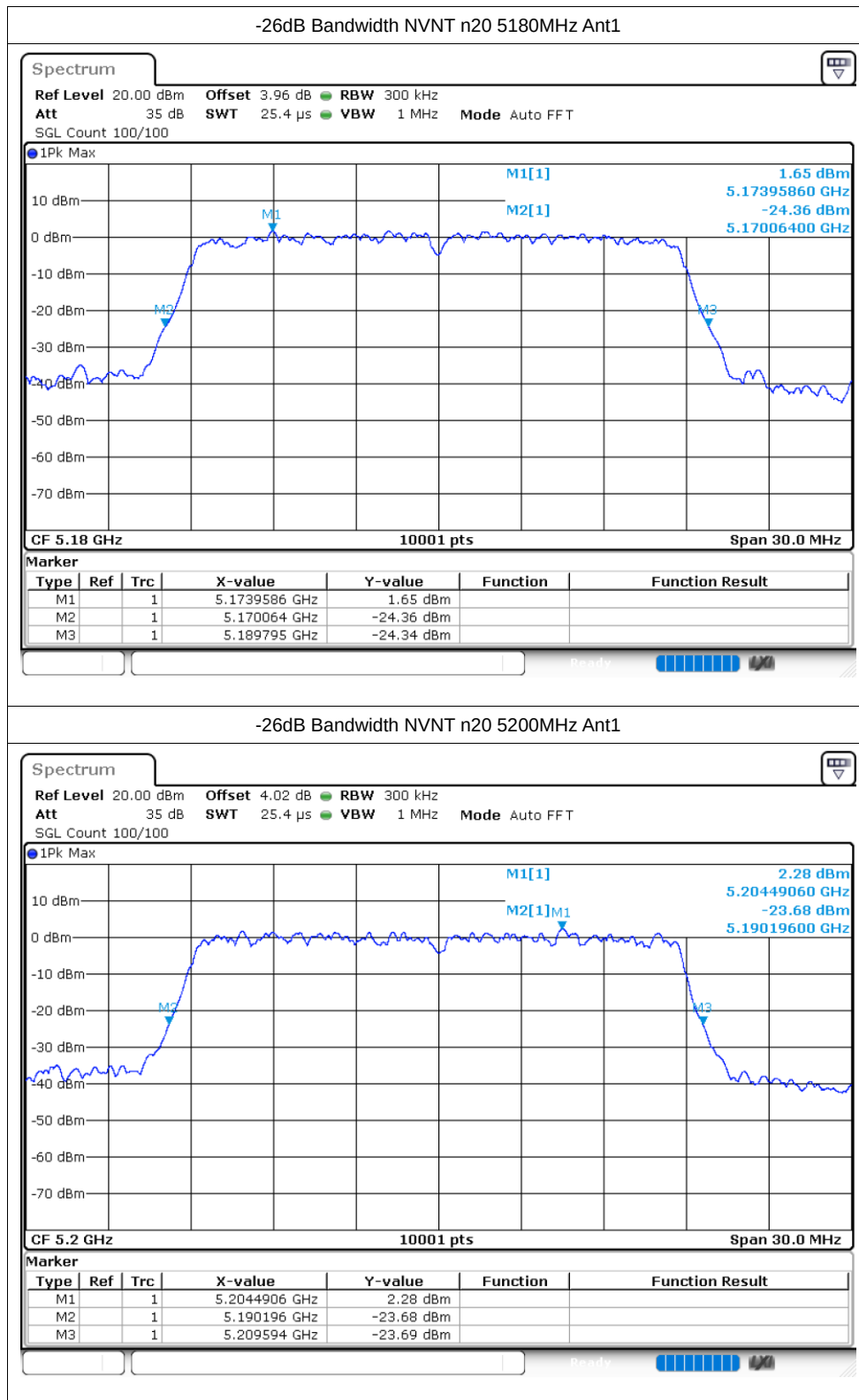


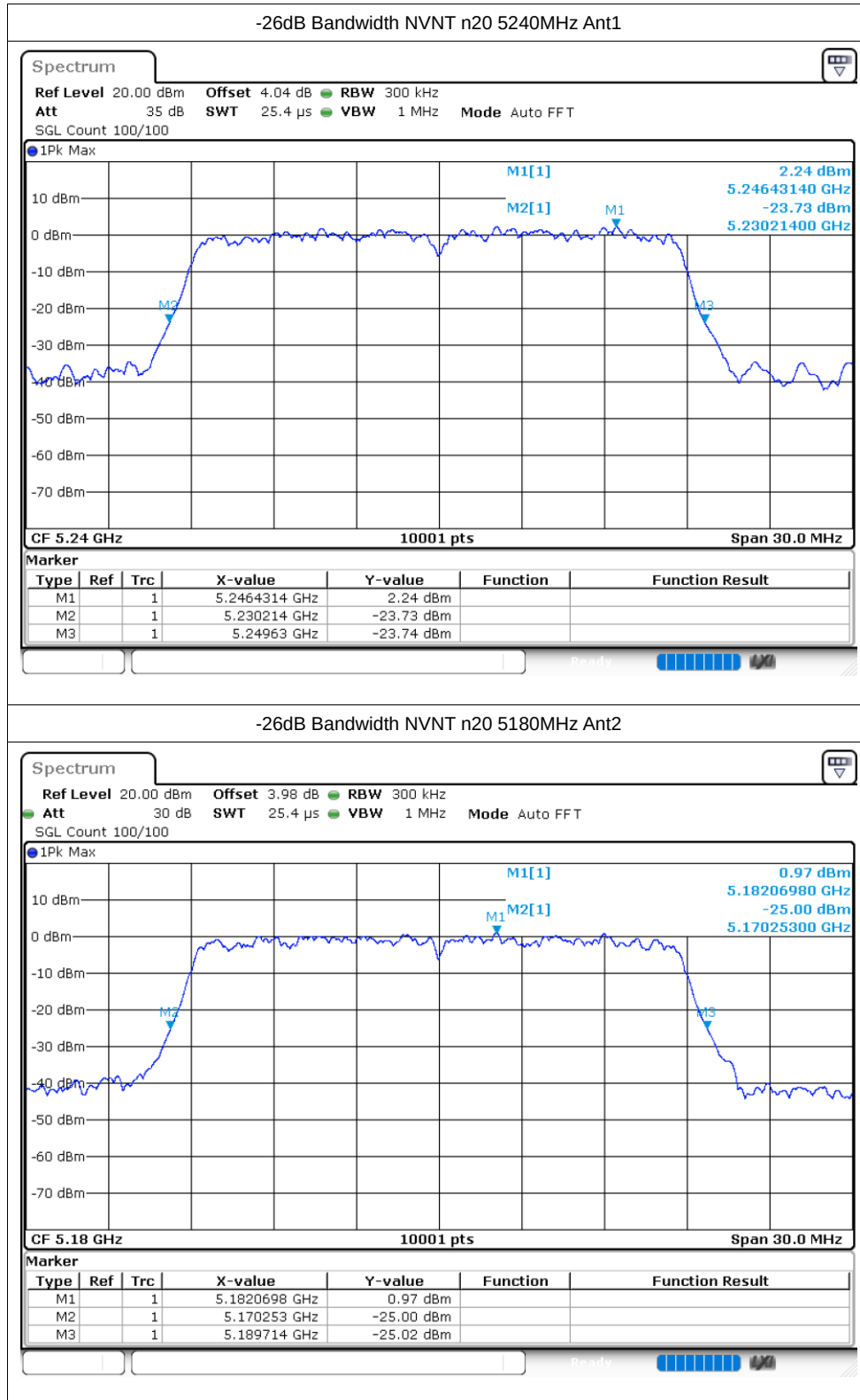
Marker

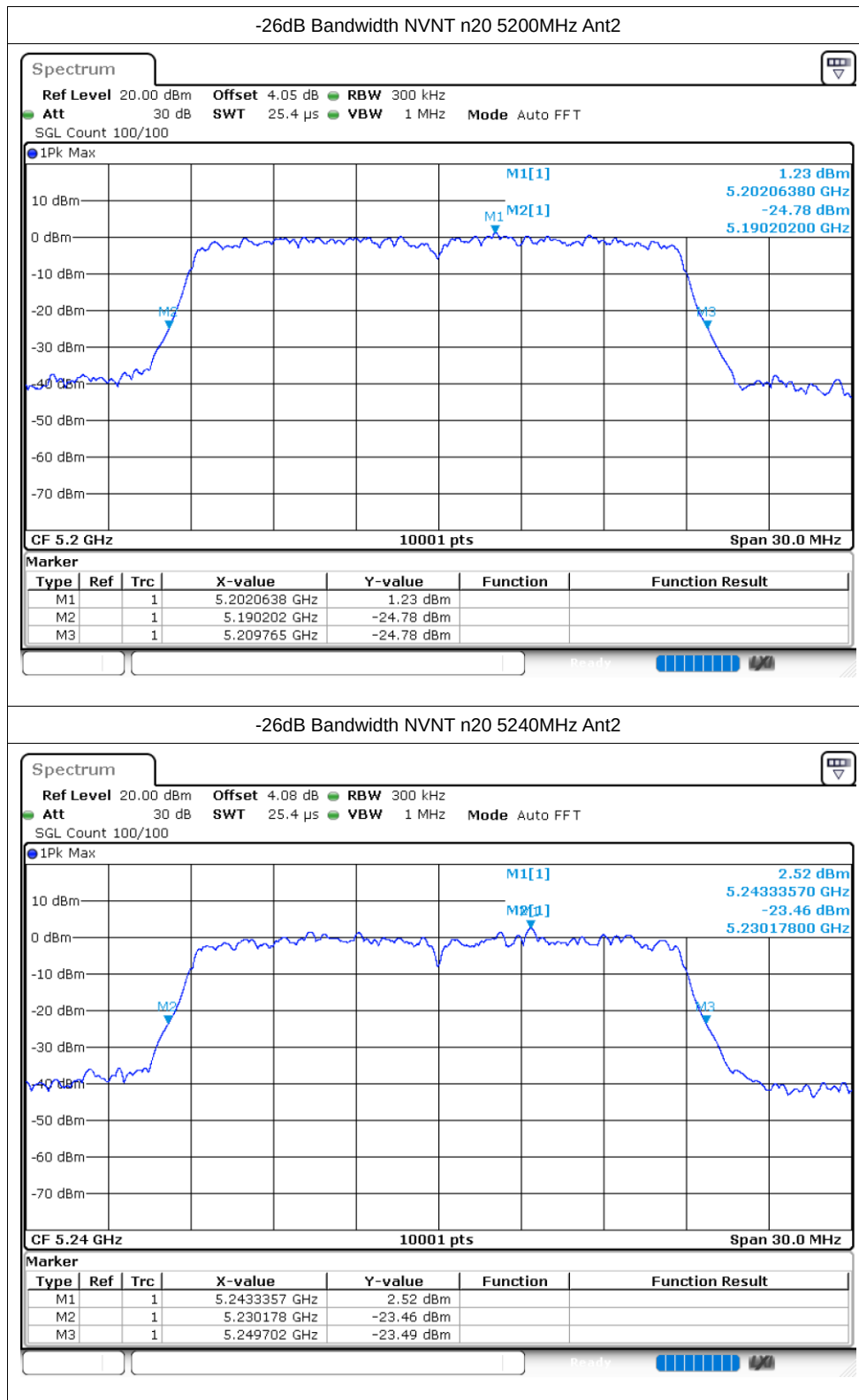
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1928697 GHz	1.68 dBm		
M2	1		5.190553 GHz	-24.31 dBm		
M3	1		5.20897 GHz	-24.32 dBm		

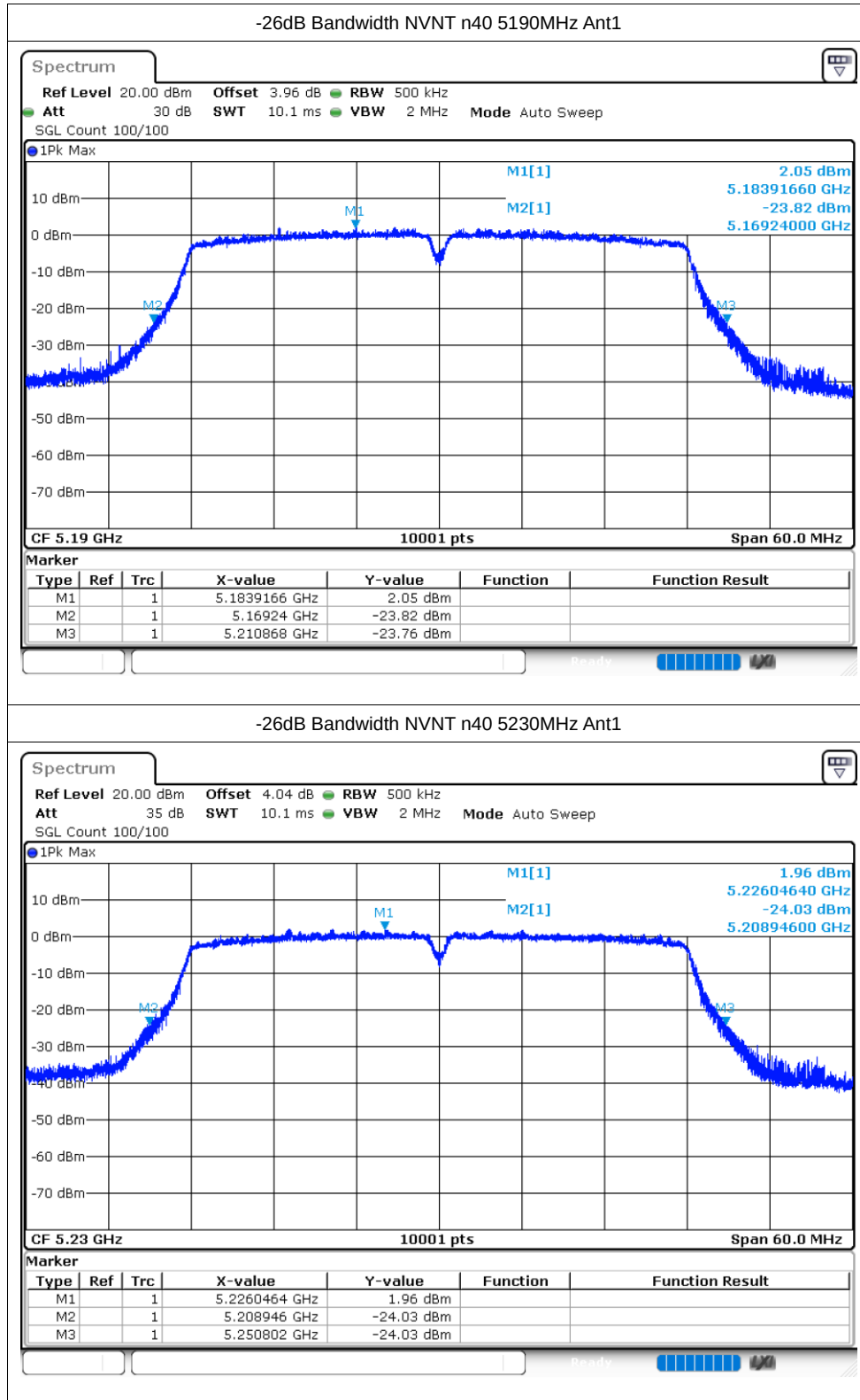


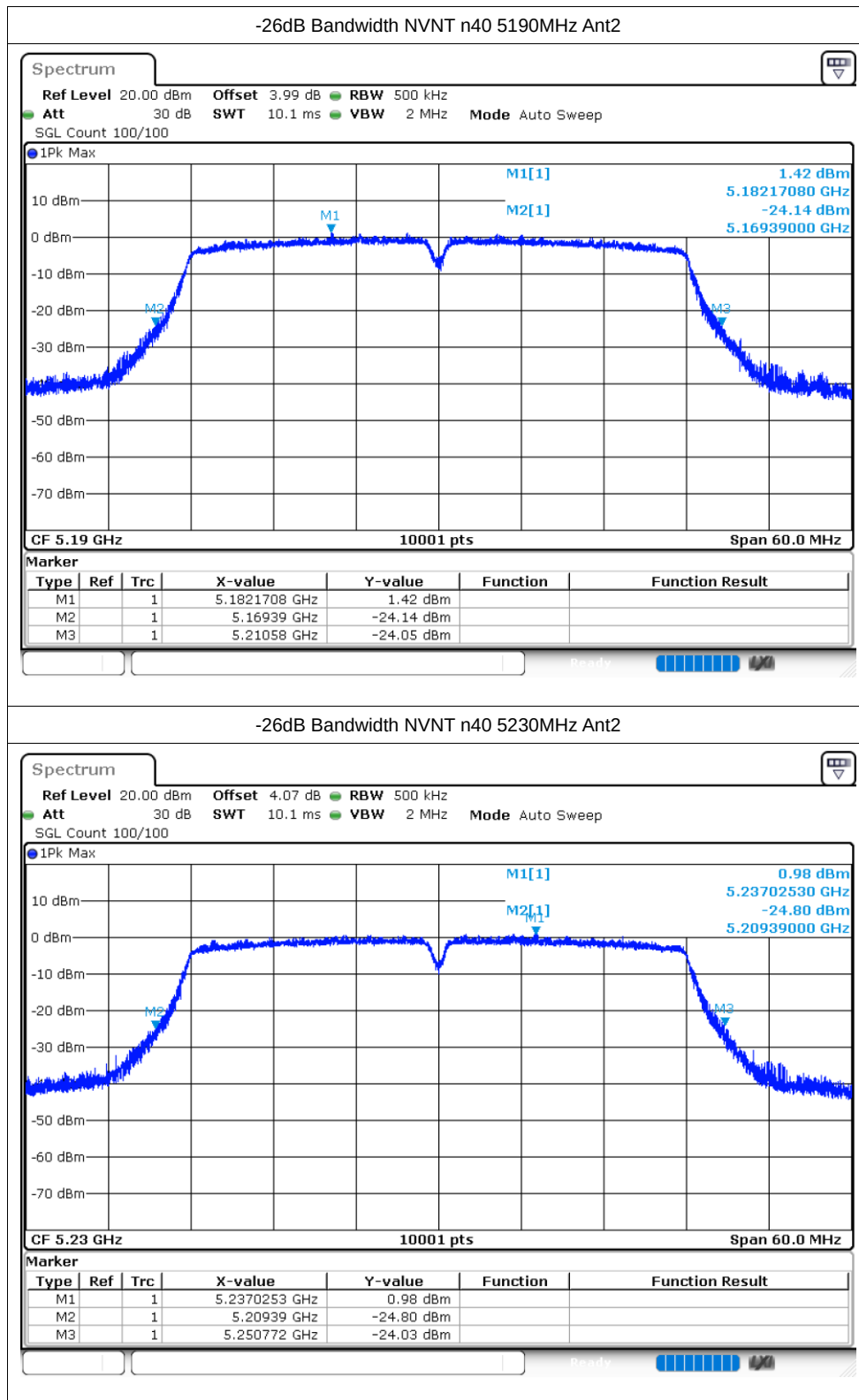


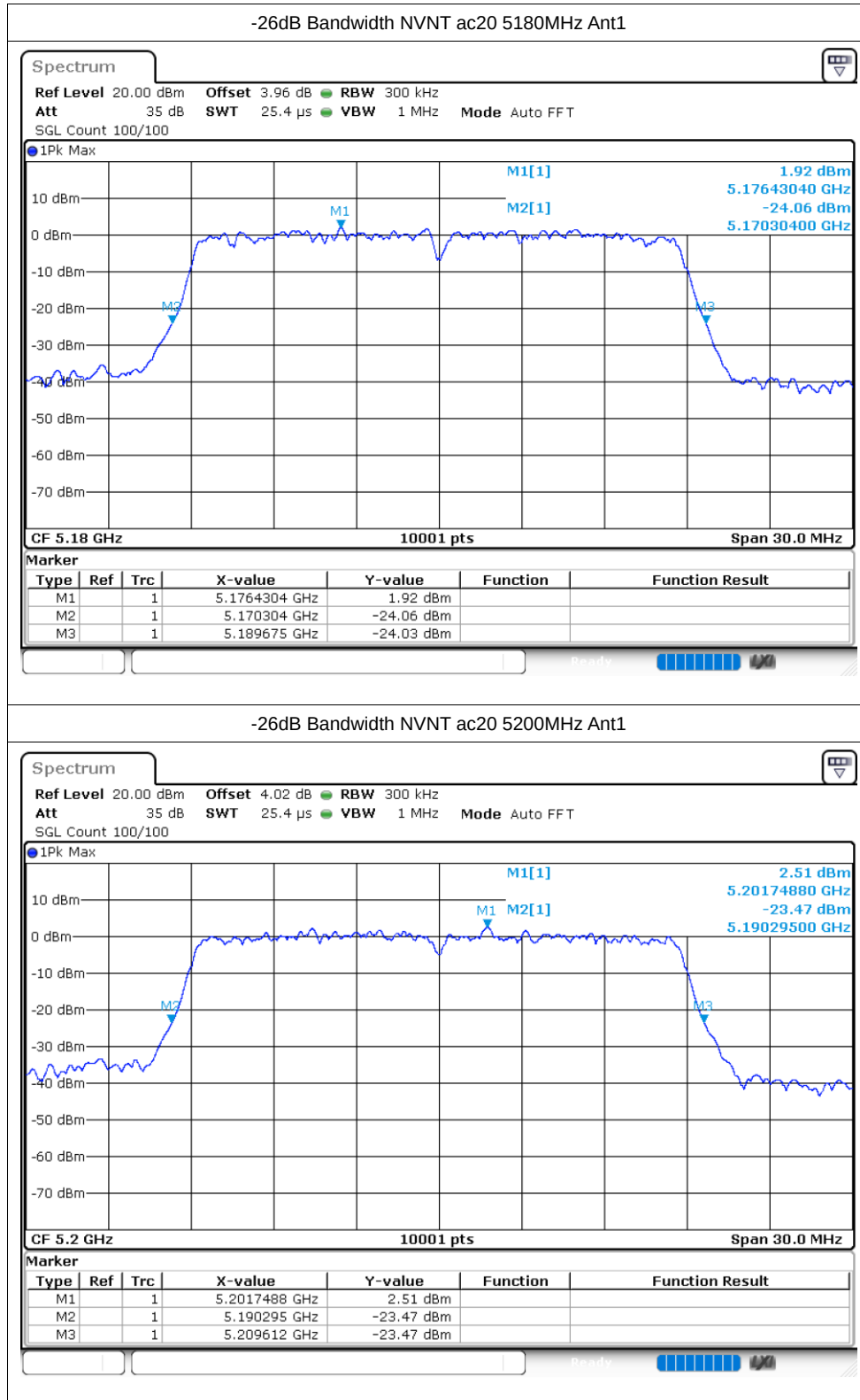


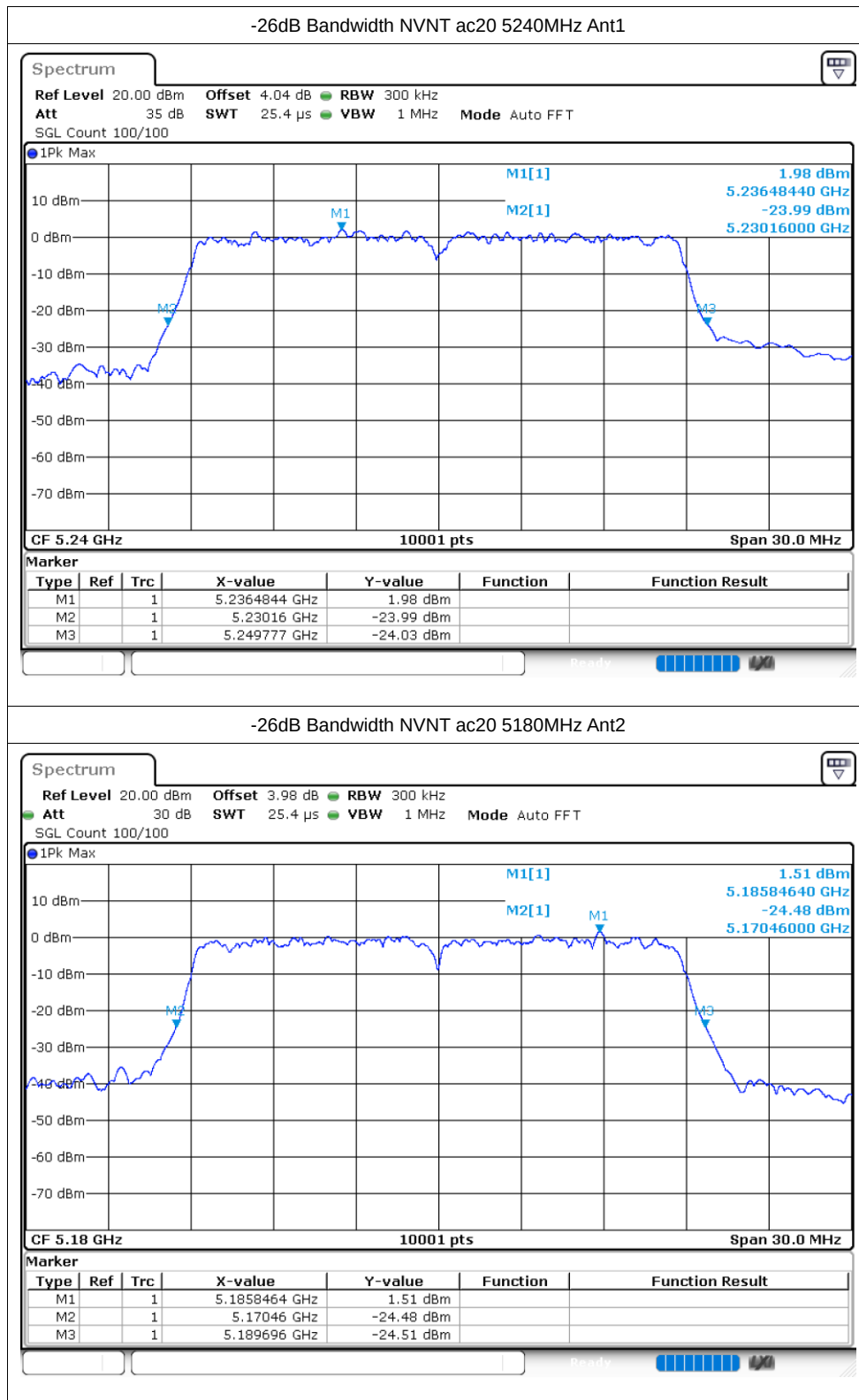


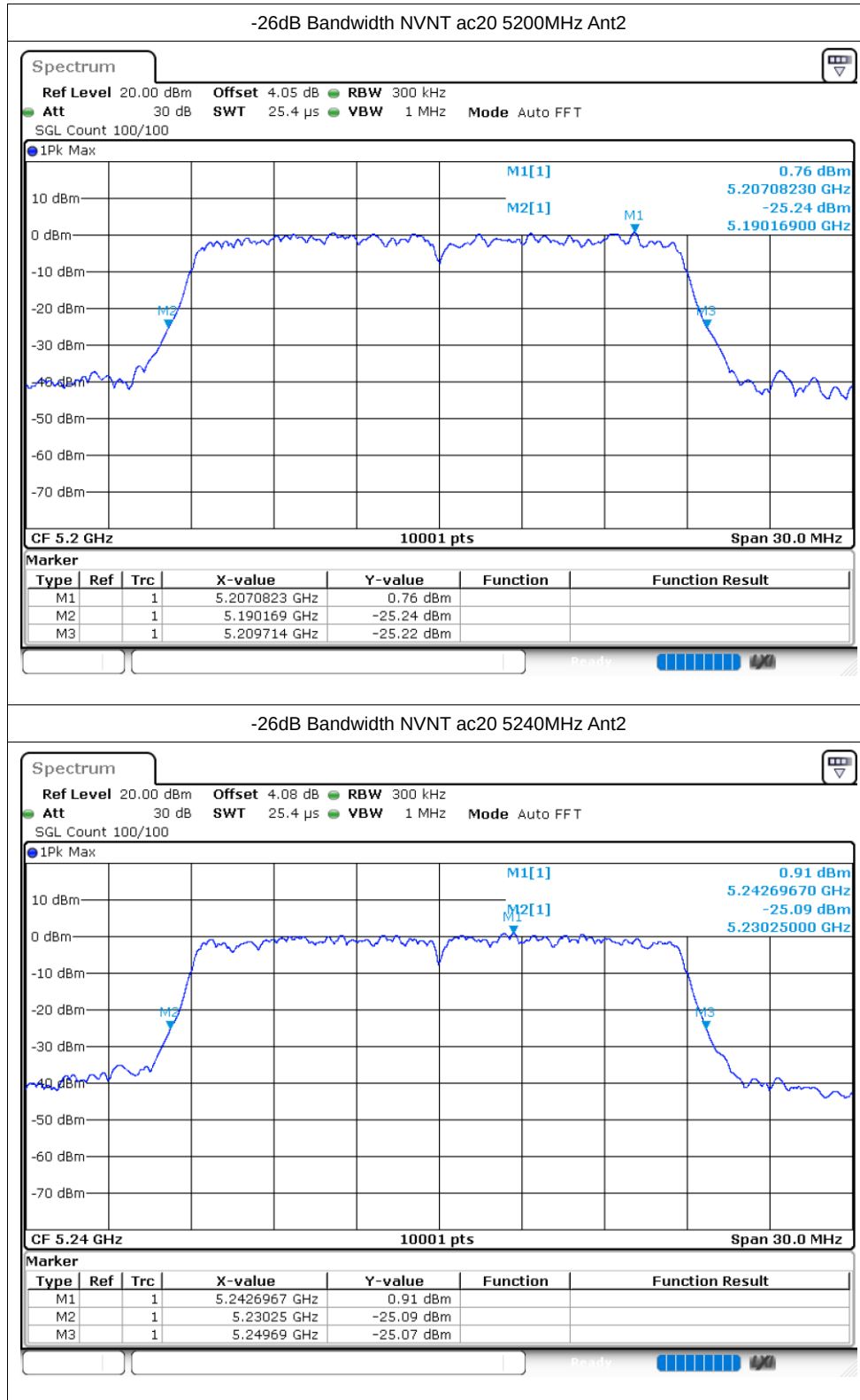


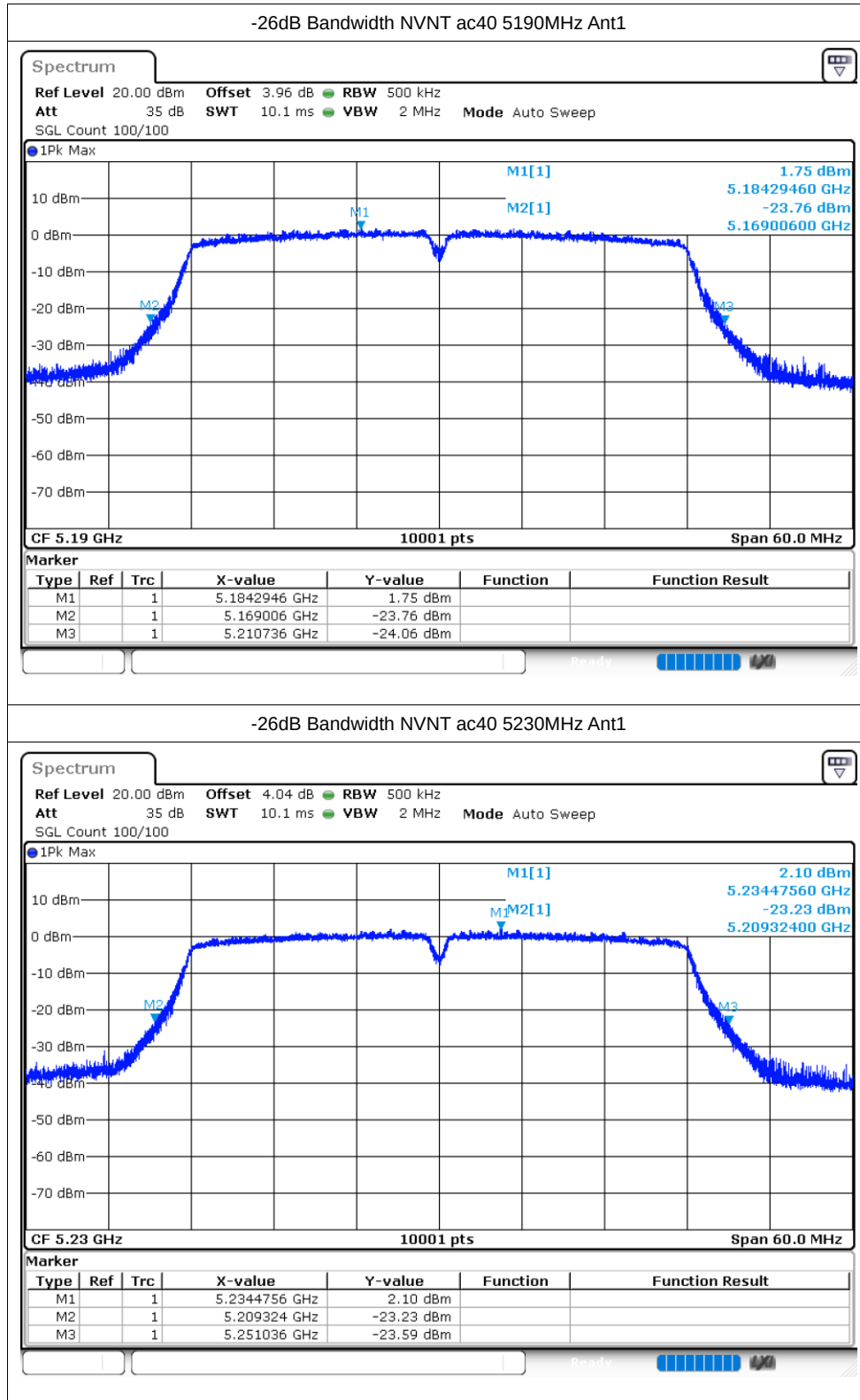


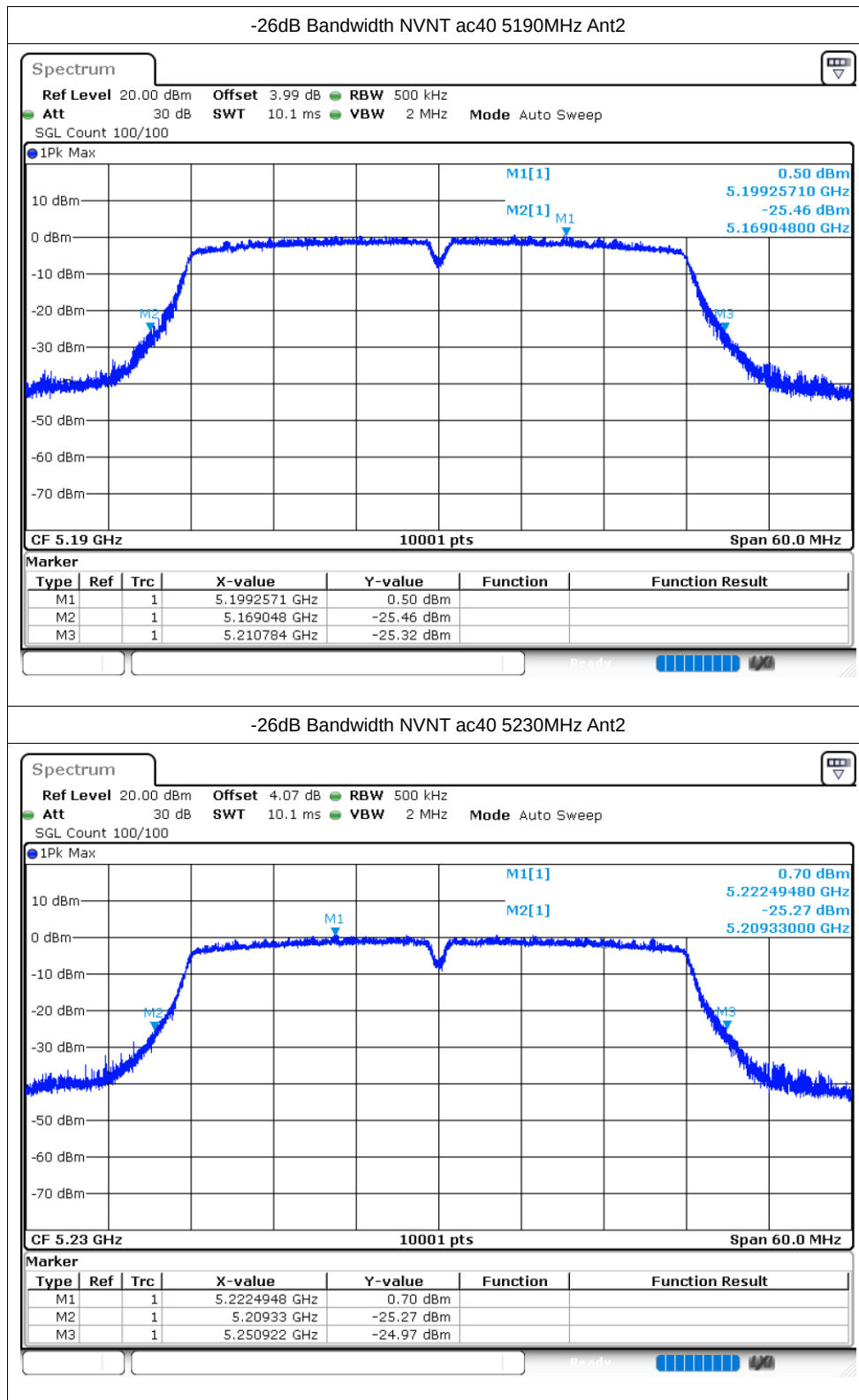


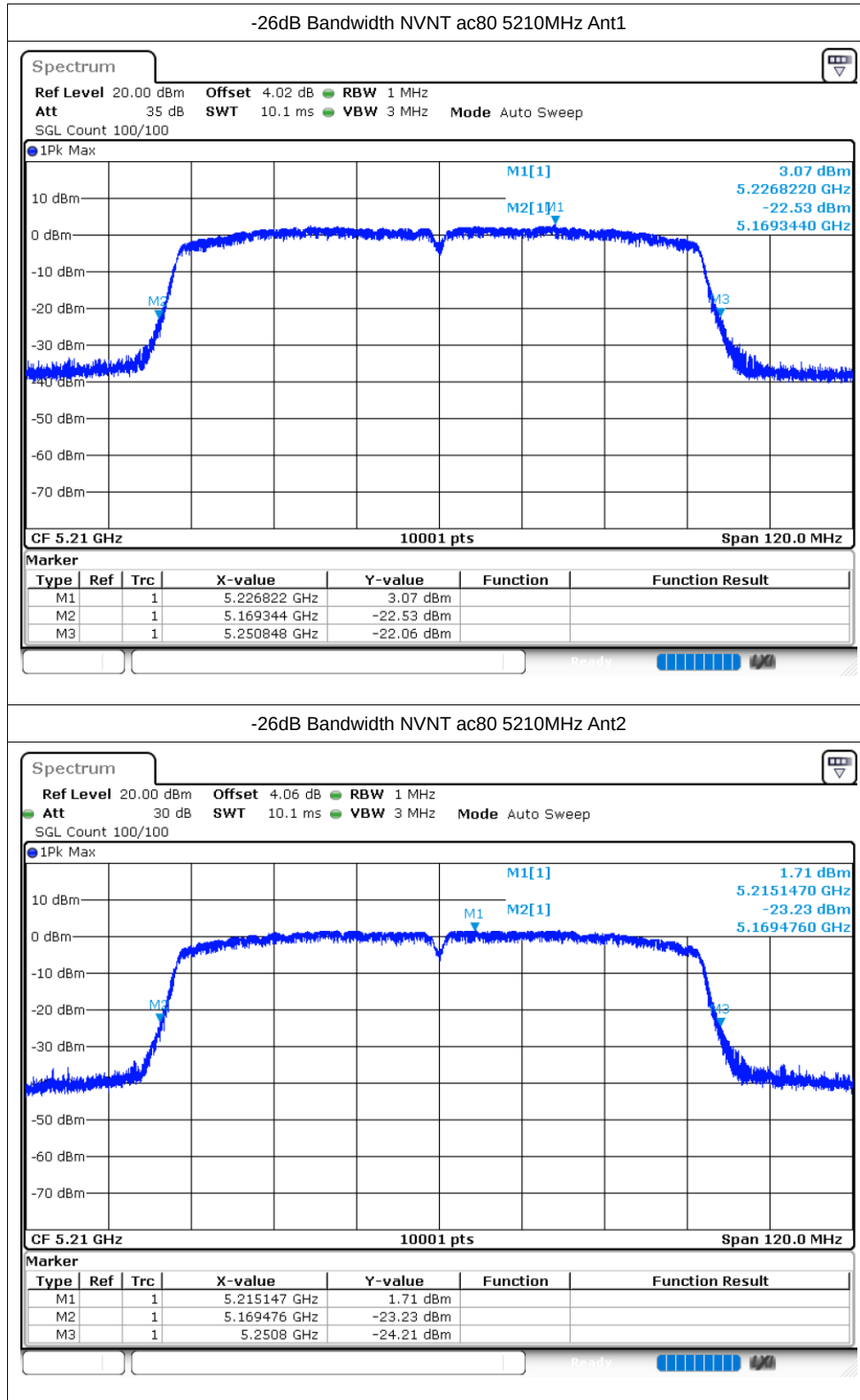










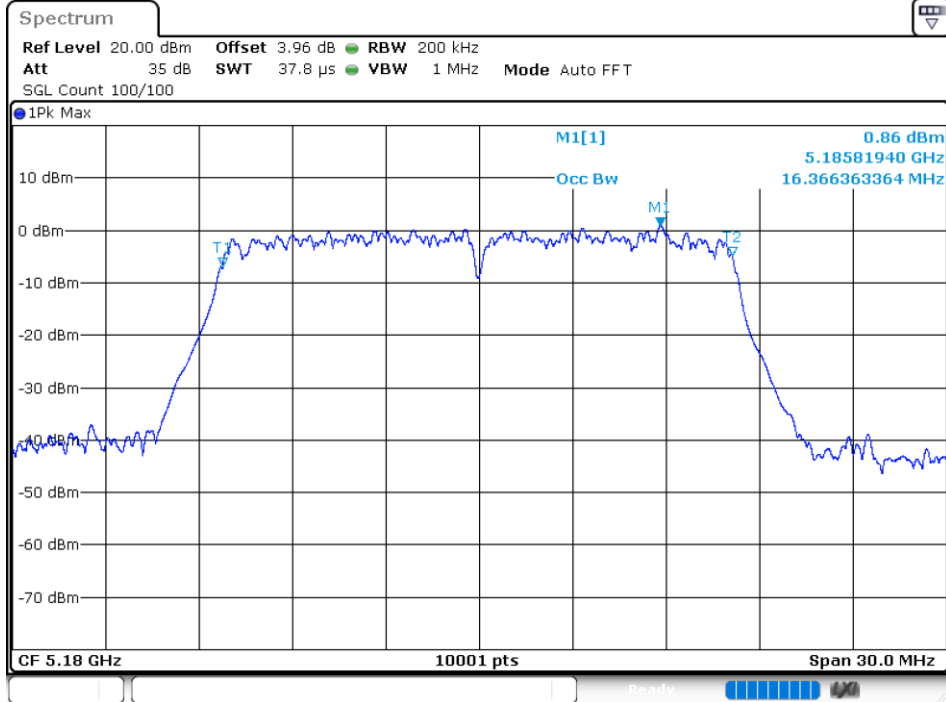


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.366
NVNT	a	5200	Ant1	16.372
NVNT	a	5240	Ant1	16.372
NVNT	a	5180	Ant2	13.28
NVNT	a	5200	Ant2	13.238
NVNT	a	5240	Ant2	13.223
NVNT	n20	5180	Ant1	17.557
NVNT	n20	5200	Ant1	17.563
NVNT	n20	5240	Ant1	17.509
NVNT	n20	5180	Ant2	17.533
NVNT	n20	5200	Ant2	17.53
NVNT	n20	5240	Ant2	17.548
NVNT	n40	5190	Ant1	36.104
NVNT	n40	5230	Ant1	36.182
NVNT	n40	5190	Ant2	36.122
NVNT	n40	5230	Ant2	36.11
NVNT	ac20	5180	Ant1	17.518
NVNT	ac20	5200	Ant1	17.533
NVNT	ac20	5240	Ant1	17.521
NVNT	ac20	5180	Ant2	17.539
NVNT	ac20	5200	Ant2	17.527
NVNT	ac20	5240	Ant2	17.518
NVNT	ac40	5190	Ant1	36.116
NVNT	ac40	5230	Ant1	36.164
NVNT	ac40	5190	Ant2	36.116
NVNT	ac40	5230	Ant2	36.146
NVNT	ac80	5210	Ant1	74.693
NVNT	ac80	5210	Ant2	74.597

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1

