

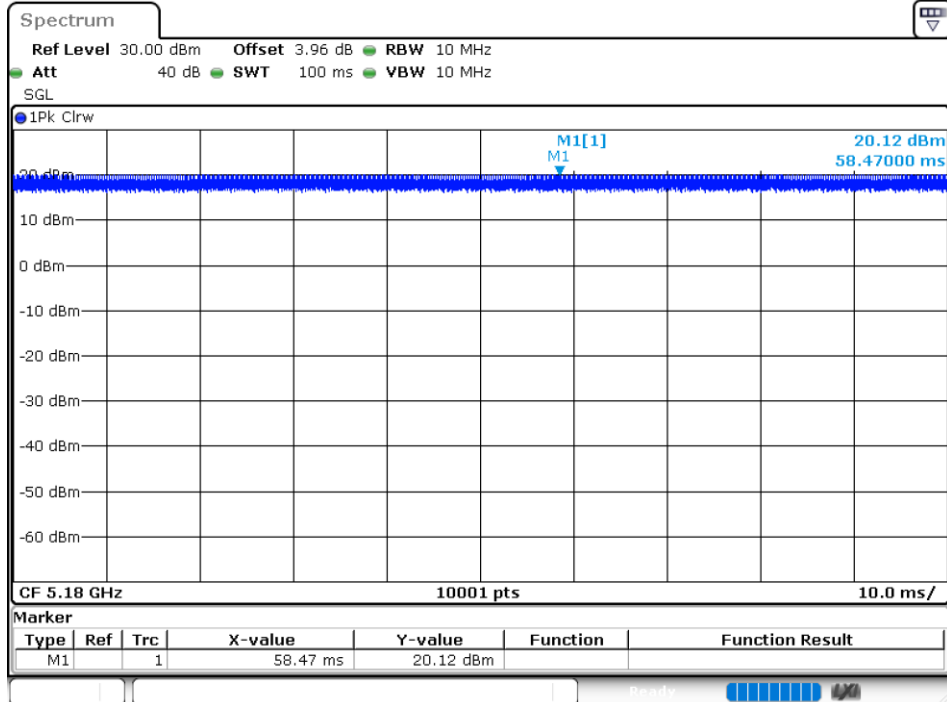
5.2G WIFI

Duty Cycle

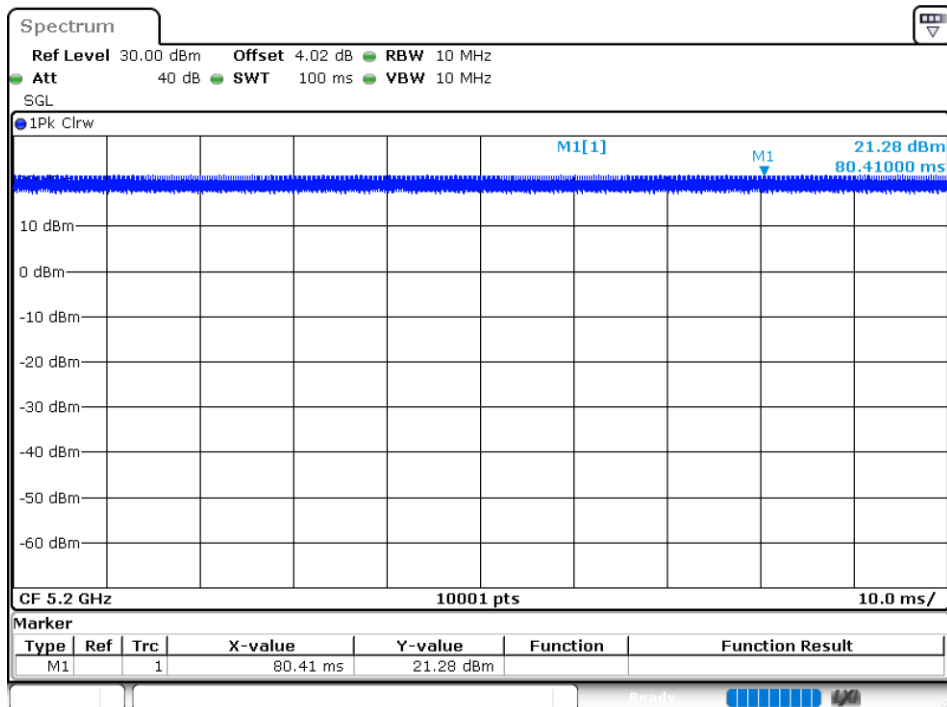
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	100	0	0
NVNT	a	5200	Ant1	100	0	0
NVNT	a	5240	Ant1	100	0	0
NVNT	a	5180	Ant2	100	0	0
NVNT	a	5200	Ant2	100	0	0
NVNT	a	5240	Ant2	100	0	0
NVNT	n20	5180	Ant1	100	0	0
NVNT	n20	5200	Ant1	100	0	0
NVNT	n20	5240	Ant1	100	0	0
NVNT	n20	5180	Ant2	100	0	0
NVNT	n20	5200	Ant2	100	0	0
NVNT	n20	5240	Ant2	100	0	0
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5230	Ant1	100	0	0
NVNT	n40	5190	Ant2	100	0	0
NVNT	n40	5230	Ant2	100	0	0
NVNT	ac20	5180	Ant1	100	0	0
NVNT	ac20	5200	Ant1	100	0	0
NVNT	ac20	5240	Ant1	100	0	0
NVNT	ac20	5180	Ant2	100	0	0
NVNT	ac20	5200	Ant2	100	0	0
NVNT	ac20	5240	Ant2	100	0	0
NVNT	ac40	5190	Ant1	100	0	0
NVNT	ac40	5230	Ant1	100	0	0
NVNT	ac40	5190	Ant2	100	0	0
NVNT	ac40	5230	Ant2	100	0	0
NVNT	ac80	5210	Ant1	100	0	0
NVNT	ac80	5210	Ant2	100	0	0

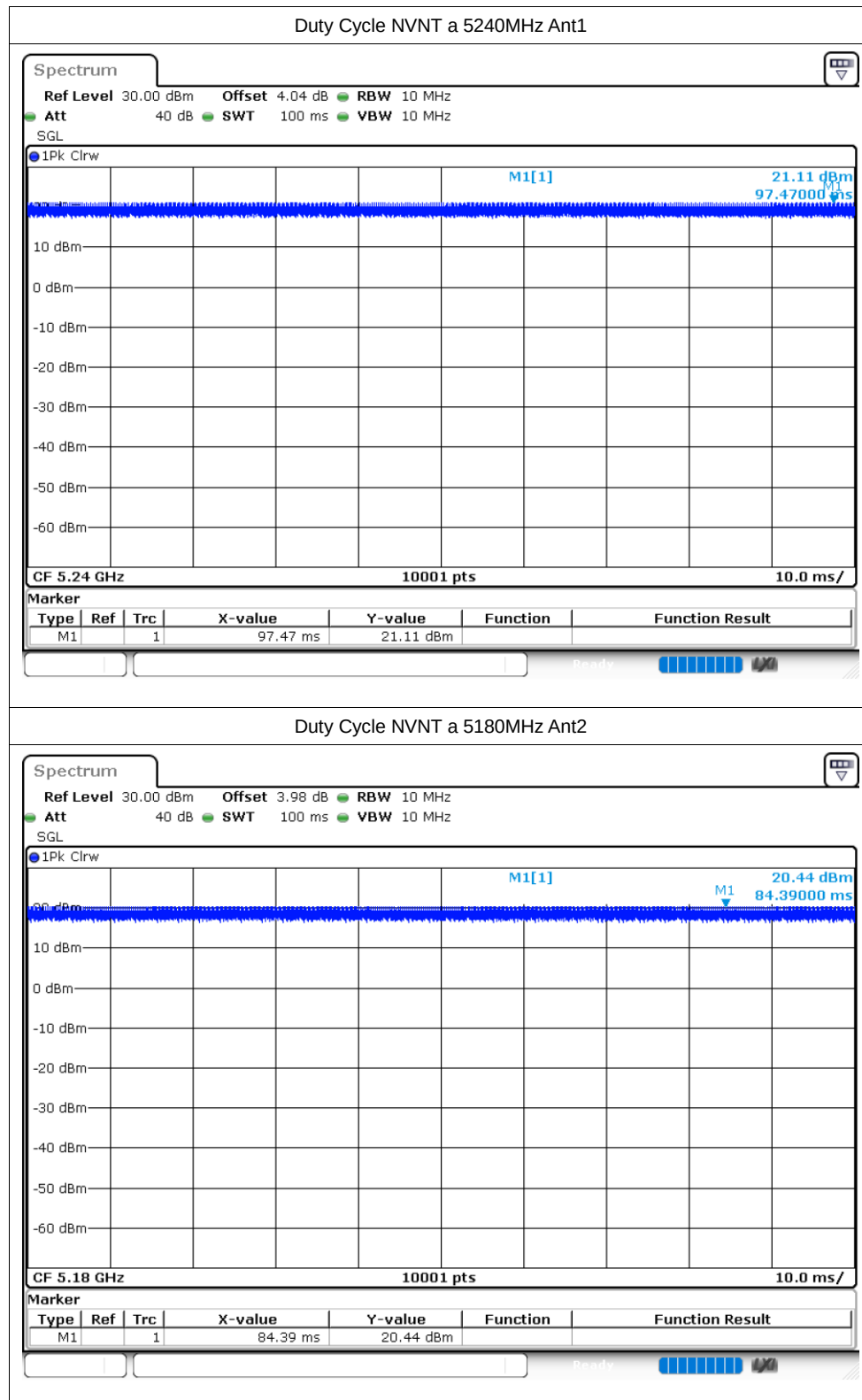
Test Graphs

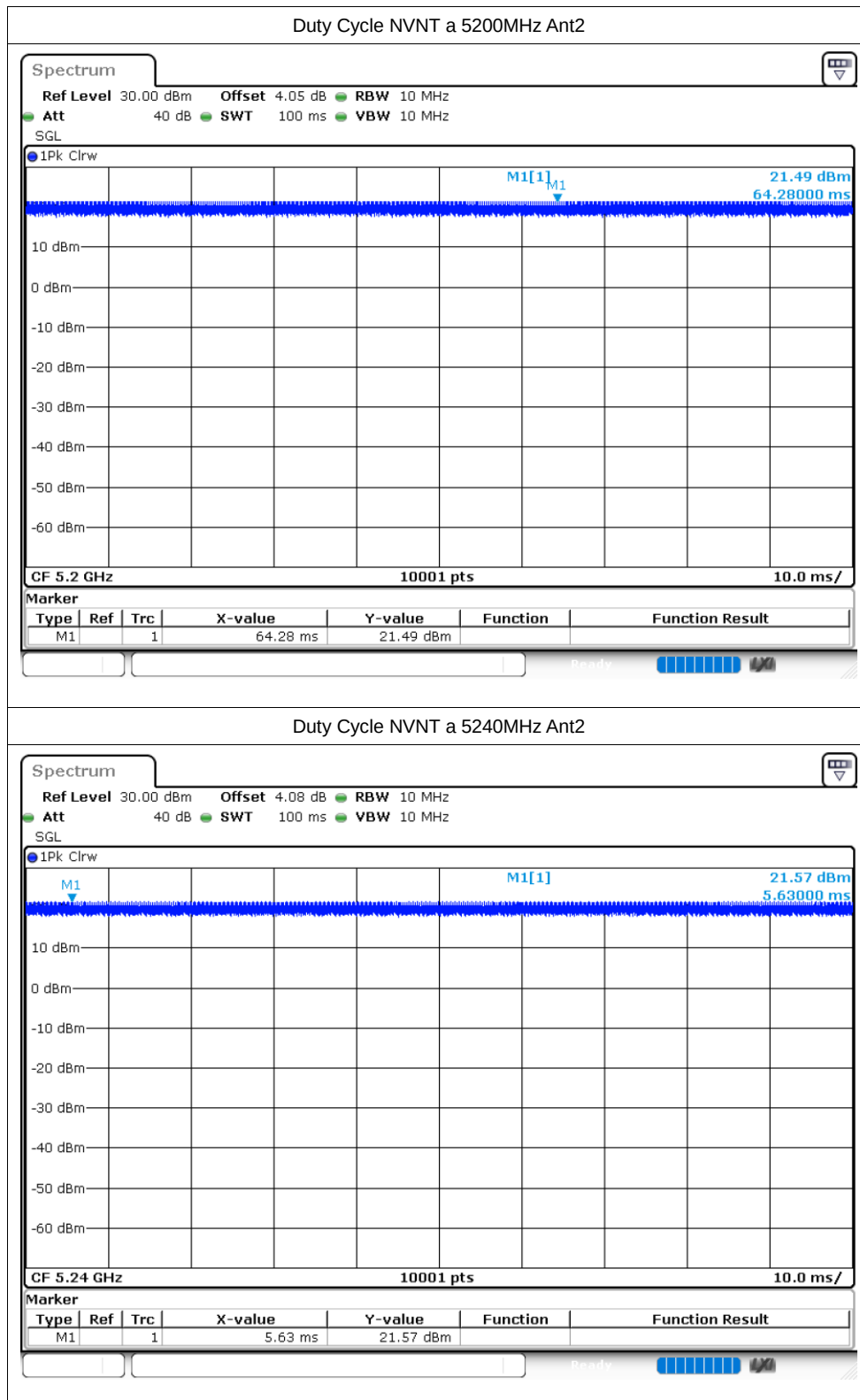
Duty Cycle NVNT a 5180MHz Ant1

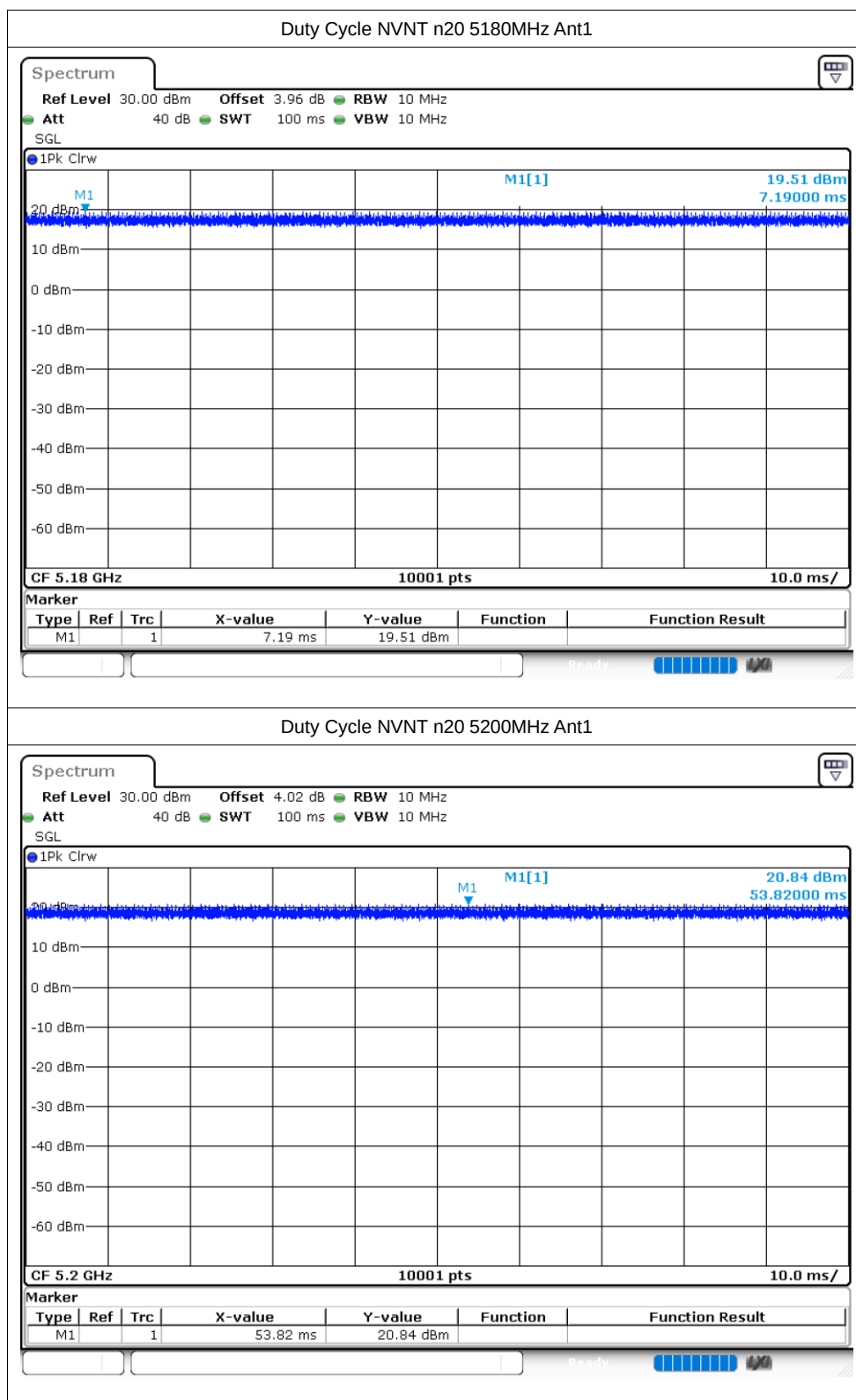


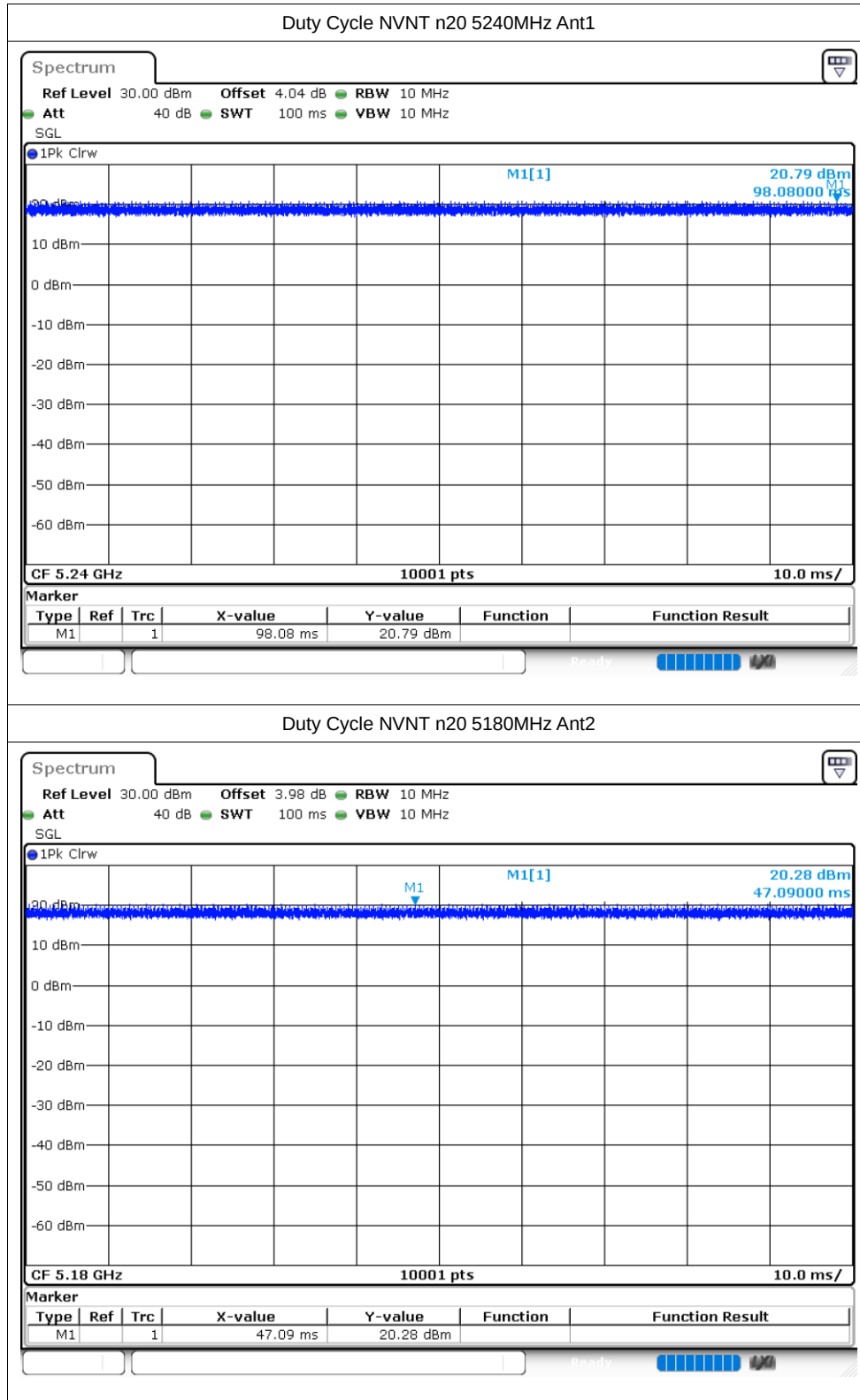
Duty Cycle NVNT a 5200MHz Ant1

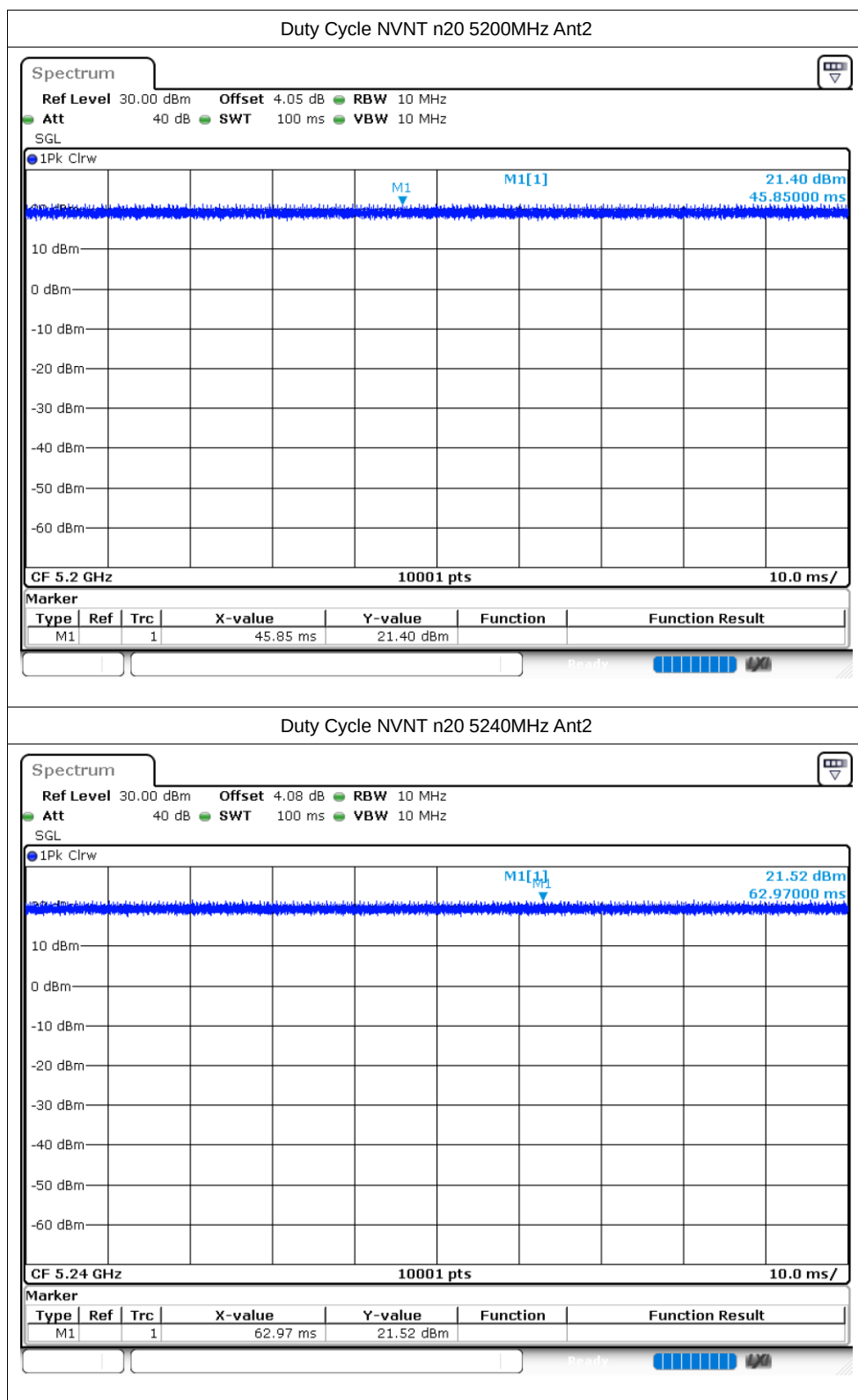


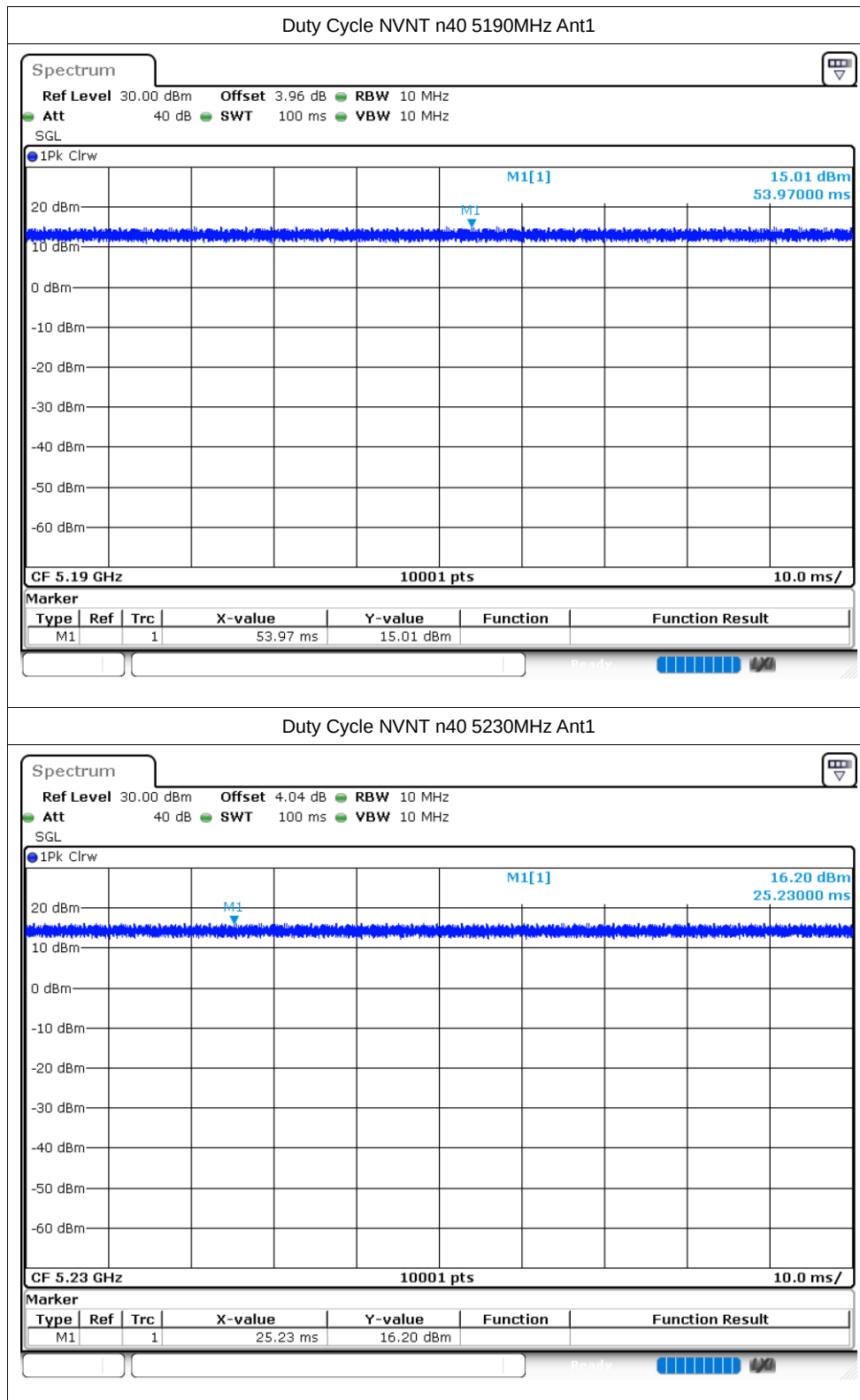


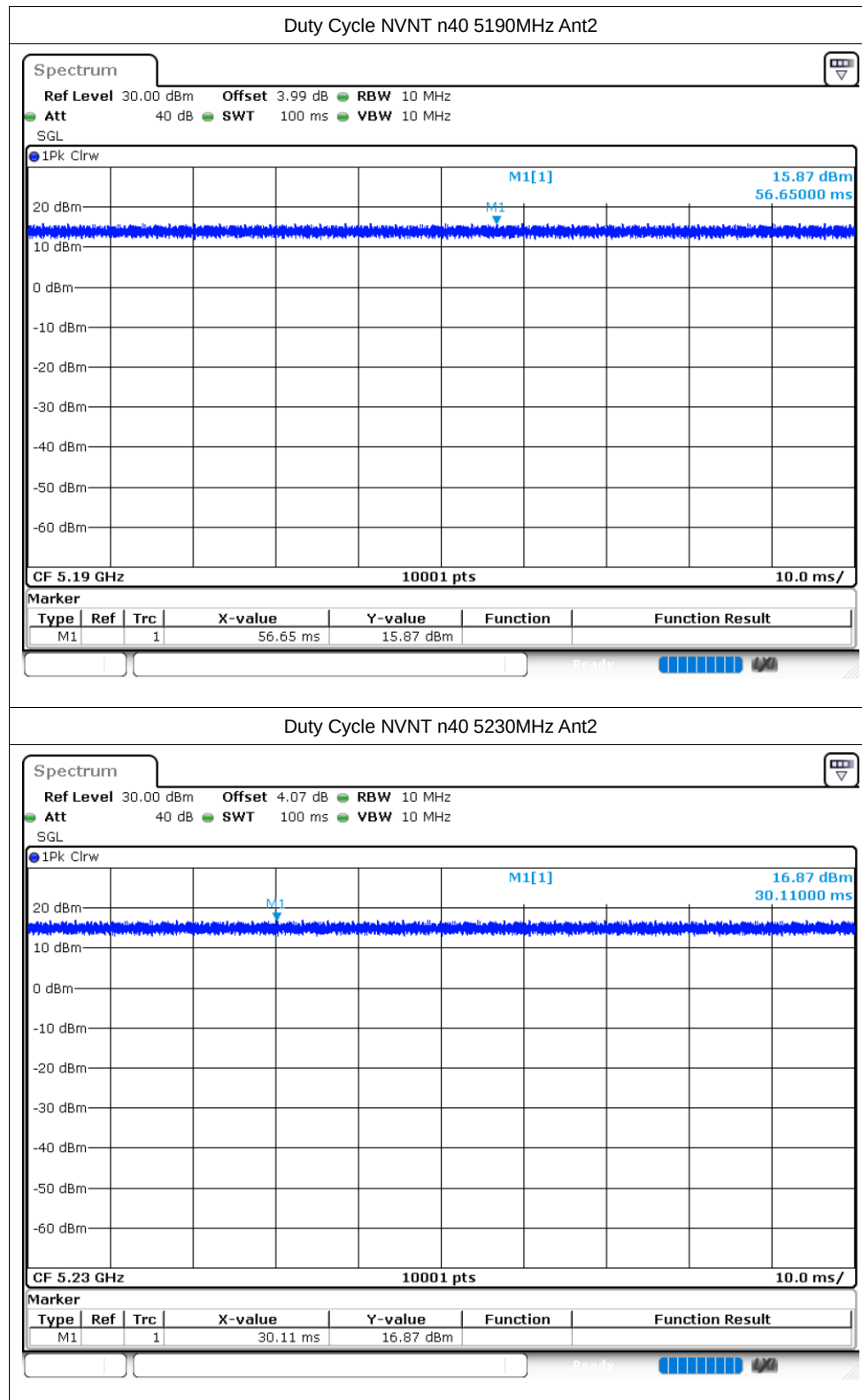


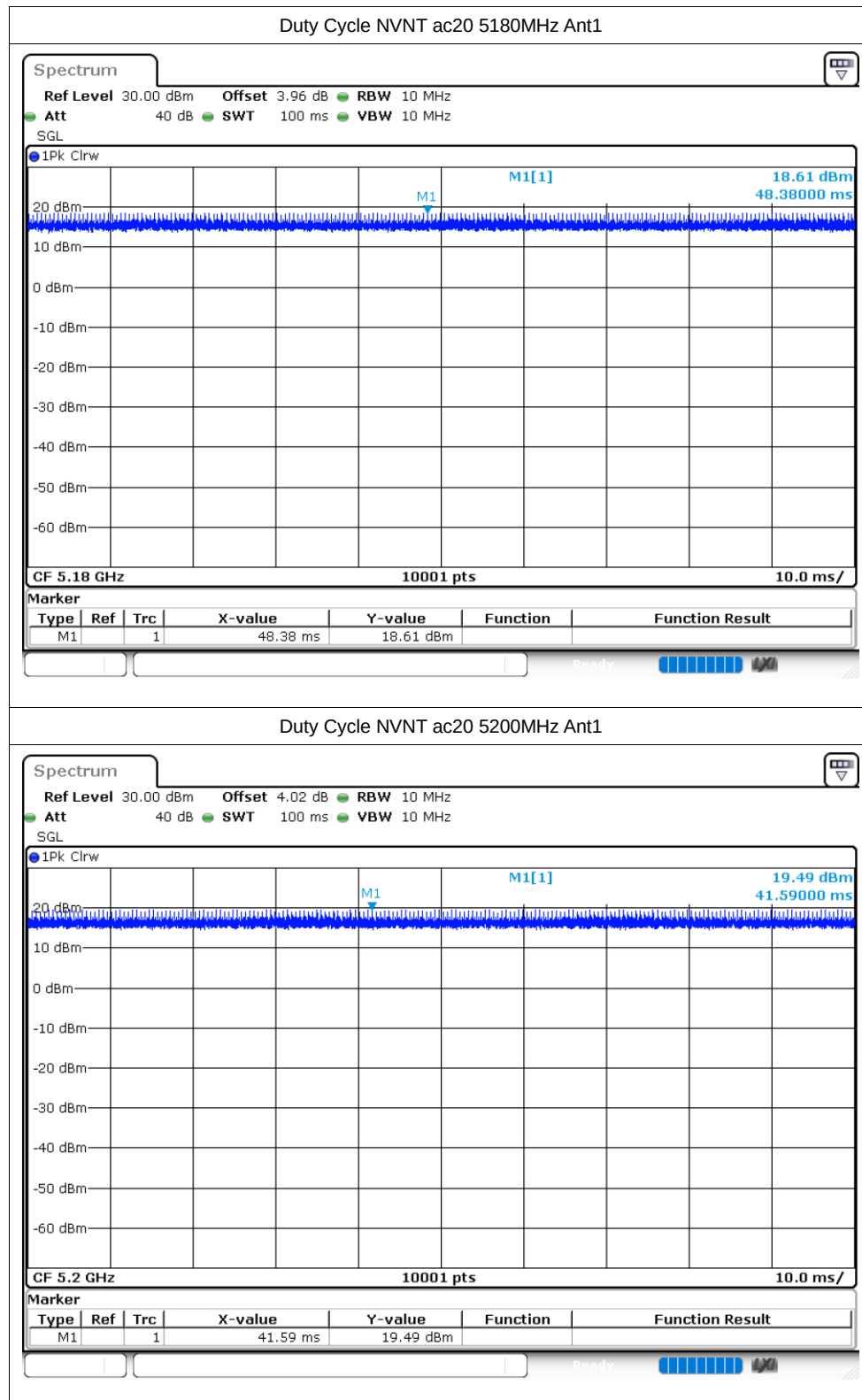


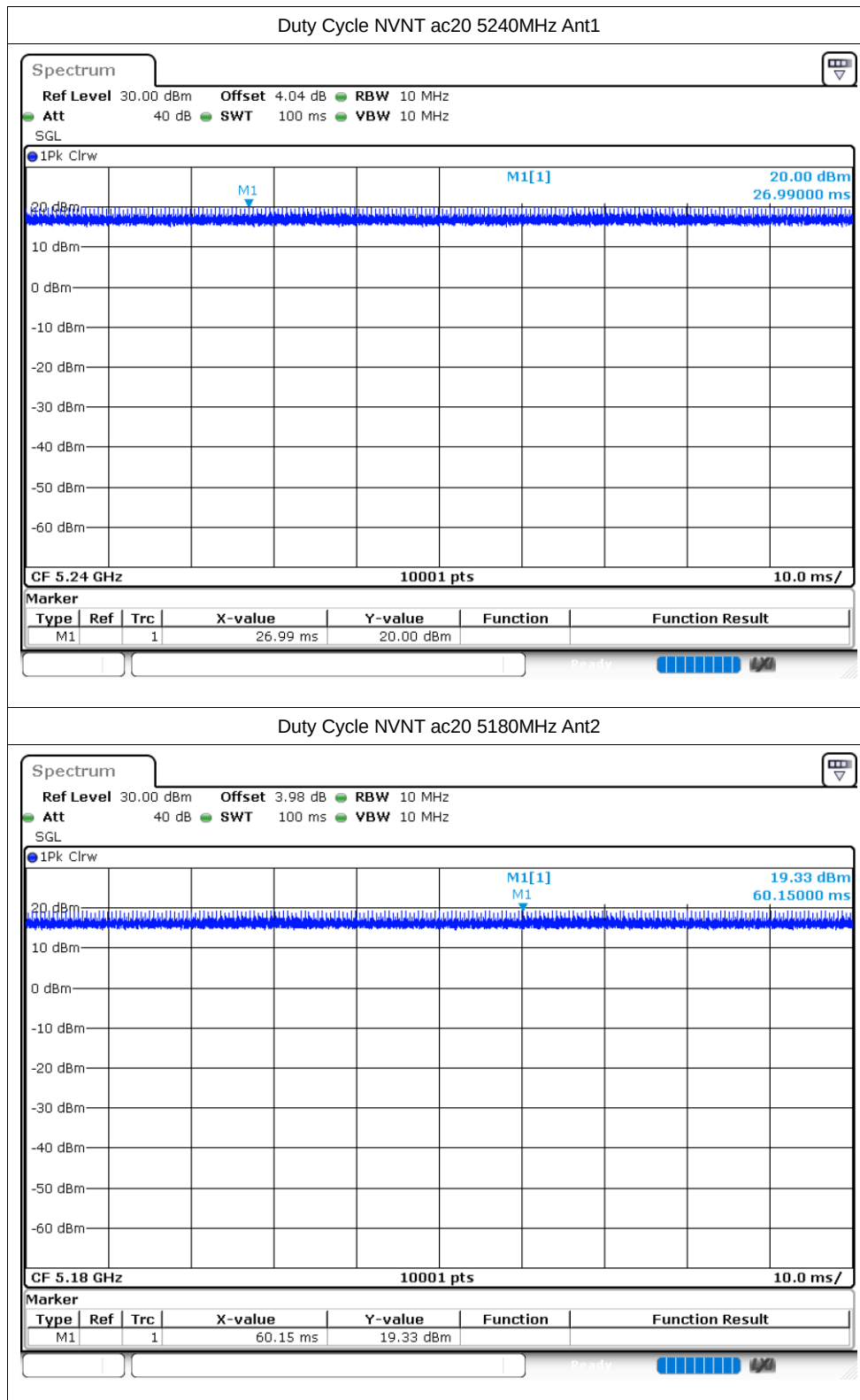


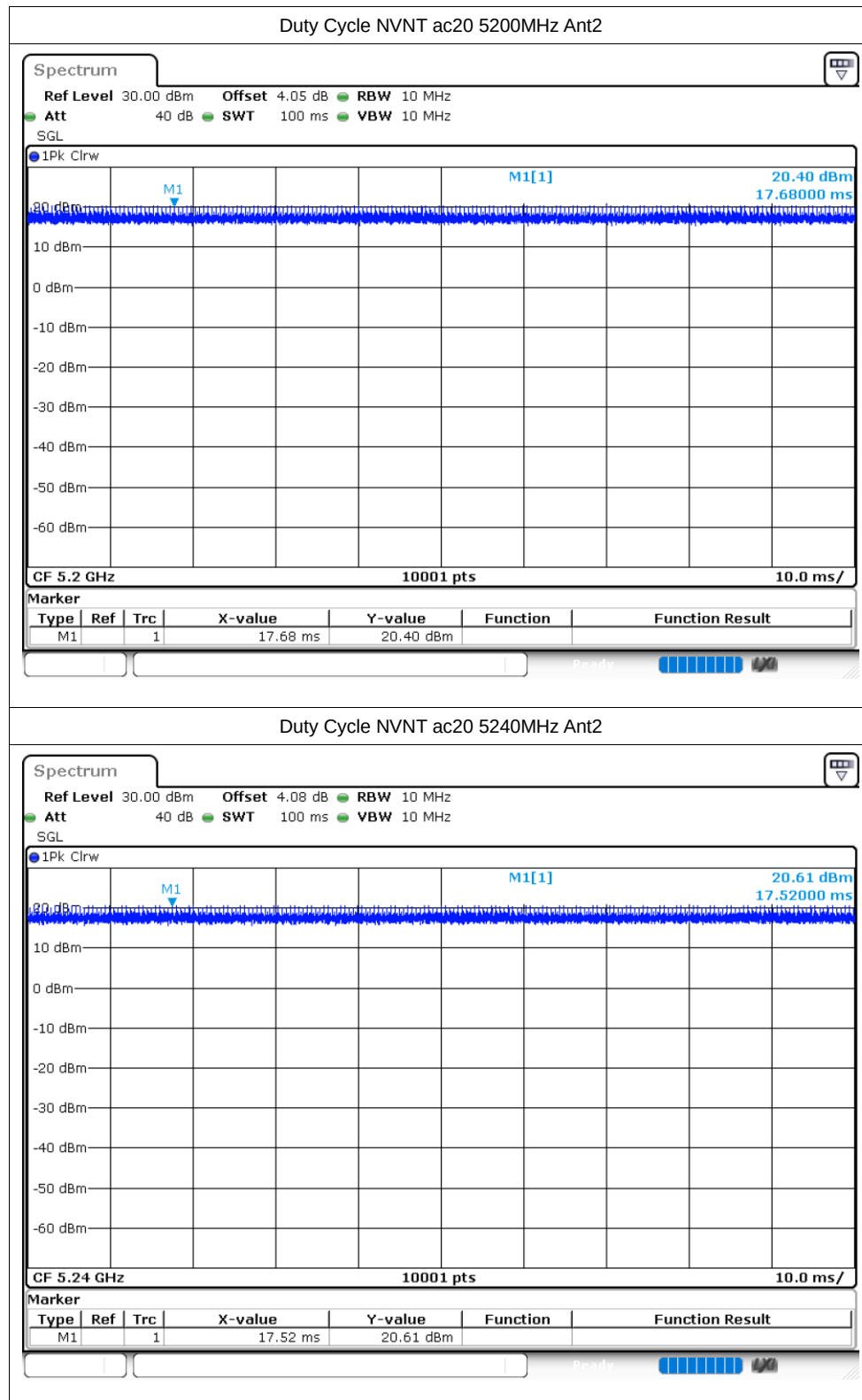


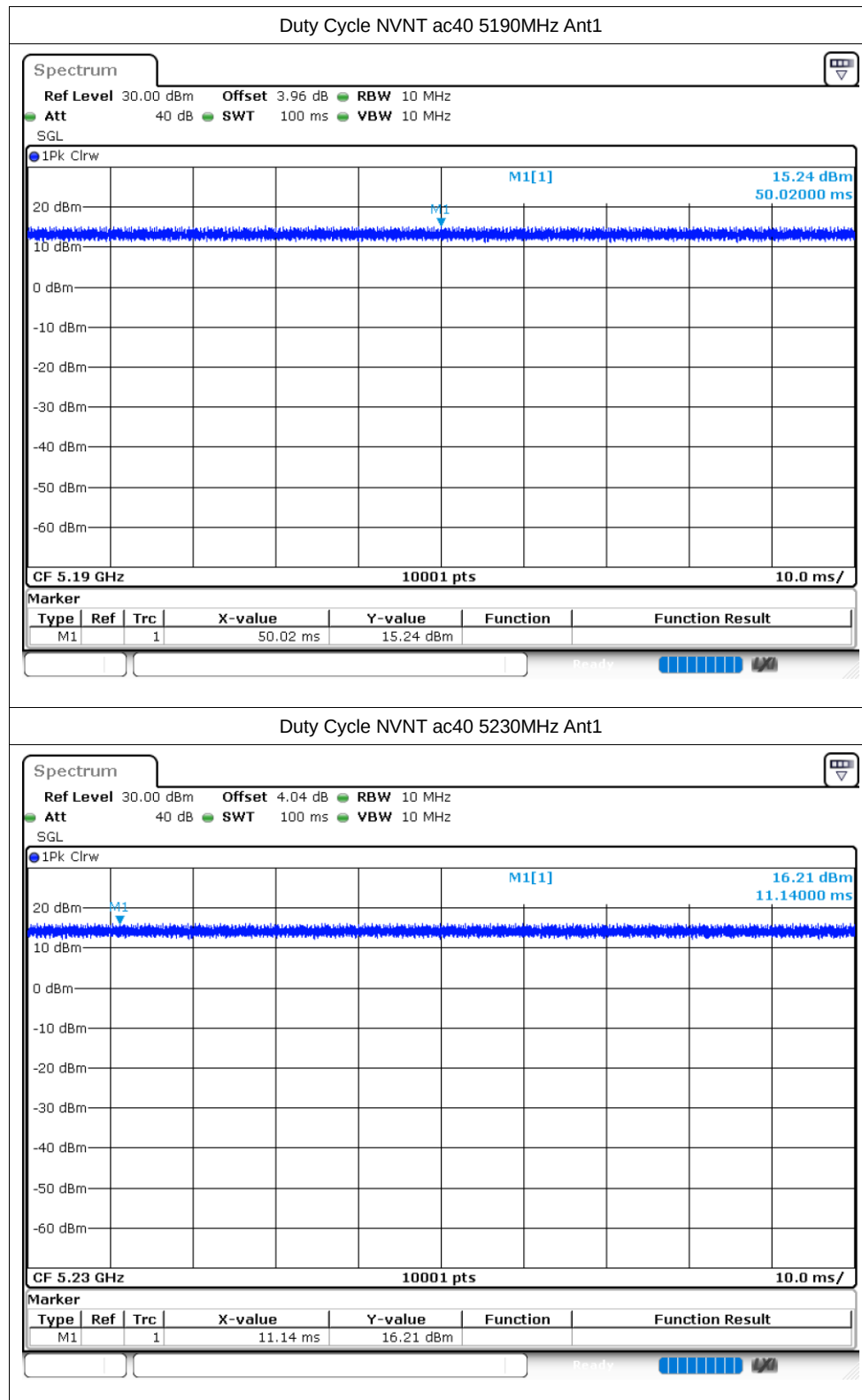


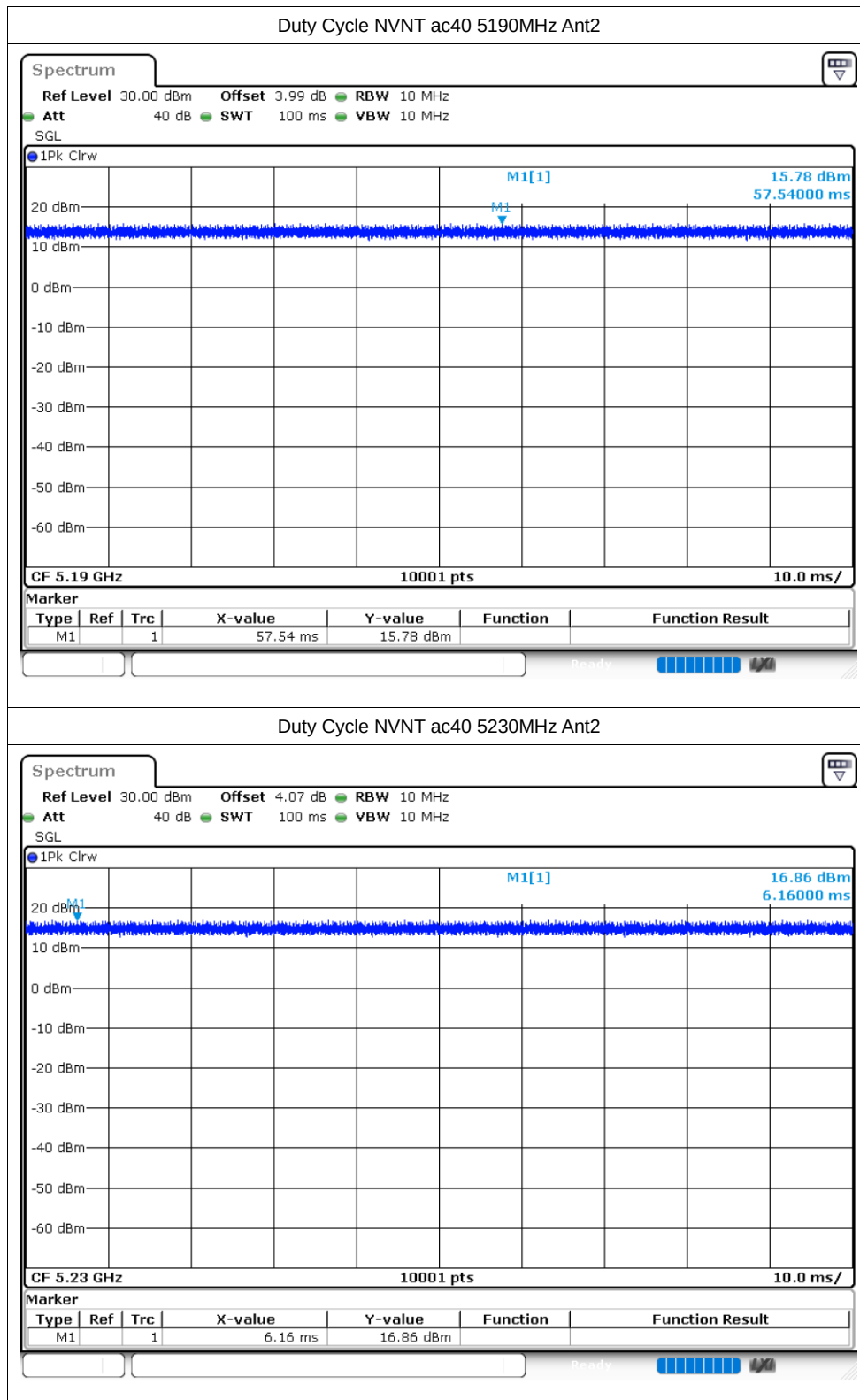




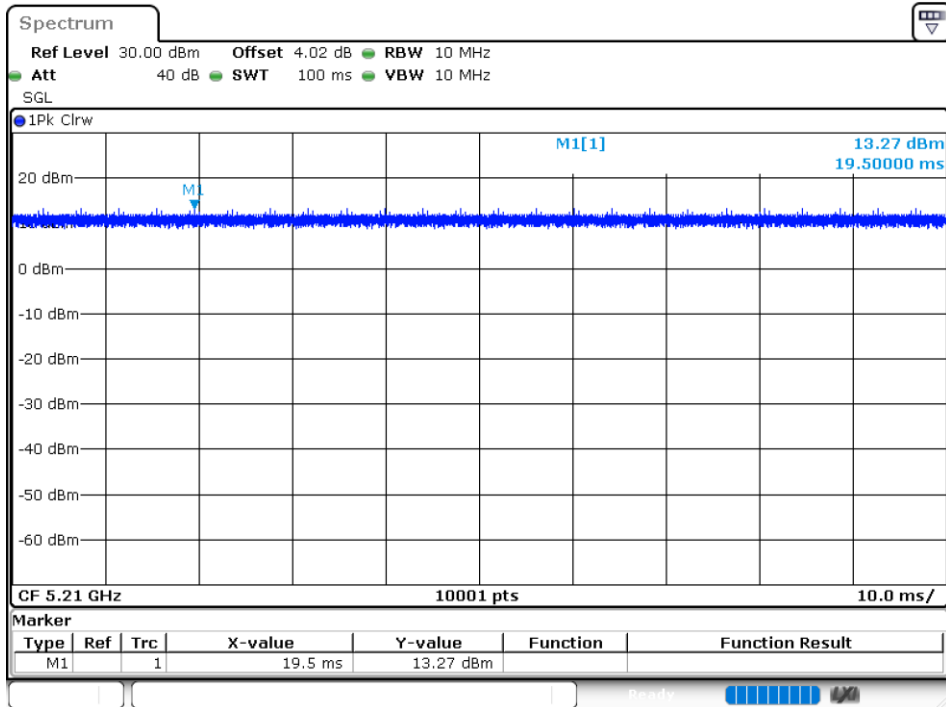




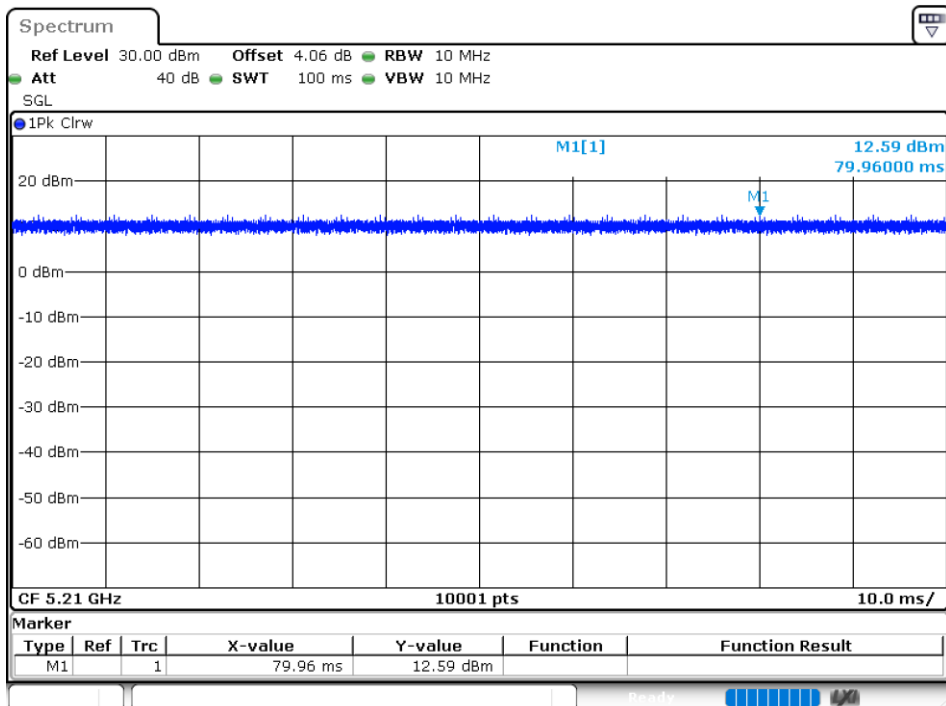




Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.17	24	Pass
NVNT	a	5200	Ant1	14.07	24	Pass
NVNT	a	5240	Ant1	14.53	24	Pass
NVNT	a	5180	Ant2	14.92	24	Pass
NVNT	a	5200	Ant2	15.13	24	Pass
NVNT	a	5240	Ant2	15.58	24	Pass
NVNT	n20	5180	Ant1	13.66	24	Pass
NVNT	n20	5200	Ant1	13.95	24	Pass
NVNT	n20	5240	Ant1	14.24	24	Pass
NVNT	n20	5180	Ant2	14.91	24	Pass
NVNT	n20	5200	Ant2	15.04	24	Pass
NVNT	n20	5240	Ant2	15.52	24	Pass
NVNT	n40	5190	Ant1	11.66	24	Pass
NVNT	n40	5230	Ant1	12.01	24	Pass
NVNT	n40	5190	Ant2	12.87	24	Pass
NVNT	n40	5230	Ant2	13.41	24	Pass
NVNT	ac20	5180	Ant1	11.54	24	Pass
NVNT	ac20	5200	Ant1	11.68	24	Pass
NVNT	ac20	5240	Ant1	12.11	24	Pass
NVNT	ac20	5180	Ant2	12.76	24	Pass
NVNT	ac20	5200	Ant2	13	24	Pass
NVNT	ac20	5240	Ant2	13.48	24	Pass
NVNT	ac40	5190	Ant1	11.73	24	Pass
NVNT	ac40	5230	Ant1	12.1	24	Pass
NVNT	ac40	5190	Ant2	12.95	24	Pass
NVNT	ac40	5230	Ant2	13.43	24	Pass
NVNT	ac80	5210	Ant1	11.7	24	Pass
NVNT	ac80	5210	Ant2	11.52	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.475	0.5	Pass
NVNT	a	5200	Ant1	20.223	0.5	Pass
NVNT	a	5240	Ant1	19.956	0.5	Pass
NVNT	a	5180	Ant2	20.085	0.5	Pass
NVNT	a	5200	Ant2	20.166	0.5	Pass
NVNT	a	5240	Ant2	20.907	0.5	Pass
NVNT	n20	5180	Ant1	21.216	0.5	Pass
NVNT	n20	5200	Ant1	20.502	0.5	Pass
NVNT	n20	5240	Ant1	20.718	0.5	Pass
NVNT	n20	5180	Ant2	21.213	0.5	Pass
NVNT	n20	5200	Ant2	21.081	0.5	Pass
NVNT	n20	5240	Ant2	20.484	0.5	Pass
NVNT	n40	5190	Ant1	41.832	0.5	Pass
NVNT	n40	5230	Ant1	42.198	0.5	Pass
NVNT	n40	5190	Ant2	41.982	0.5	Pass
NVNT	n40	5230	Ant2	41.946	0.5	Pass
NVNT	ac20	5180	Ant1	20.856	0.5	Pass
NVNT	ac20	5200	Ant1	20.913	0.5	Pass
NVNT	ac20	5240	Ant1	21.063	0.5	Pass
NVNT	ac20	5180	Ant2	21.261	0.5	Pass
NVNT	ac20	5200	Ant2	20.934	0.5	Pass
NVNT	ac20	5240	Ant2	20.811	0.5	Pass
NVNT	ac40	5190	Ant1	41.874	0.5	Pass
NVNT	ac40	5230	Ant1	41.778	0.5	Pass
NVNT	ac40	5190	Ant2	41.886	0.5	Pass
NVNT	ac40	5230	Ant2	41.958	0.5	Pass
NVNT	ac80	5210	Ant1	81.708	0.5	Pass
NVNT	ac80	5210	Ant2	81.48	0.5	Pass

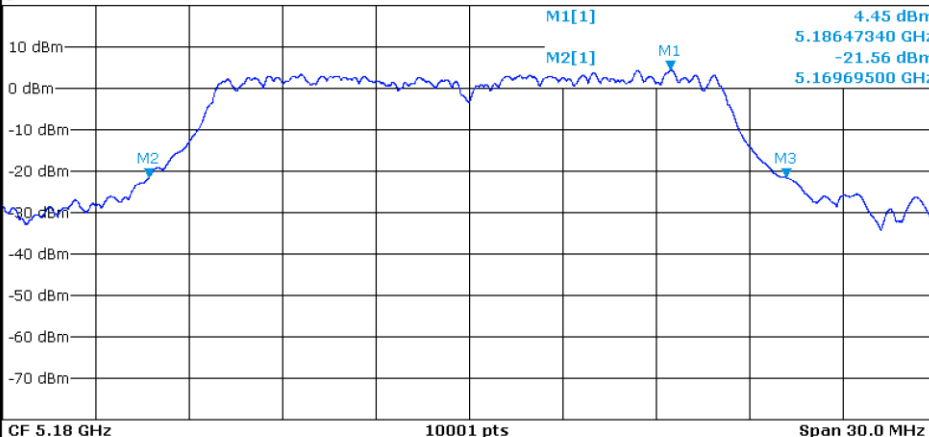
Test Graphs

-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

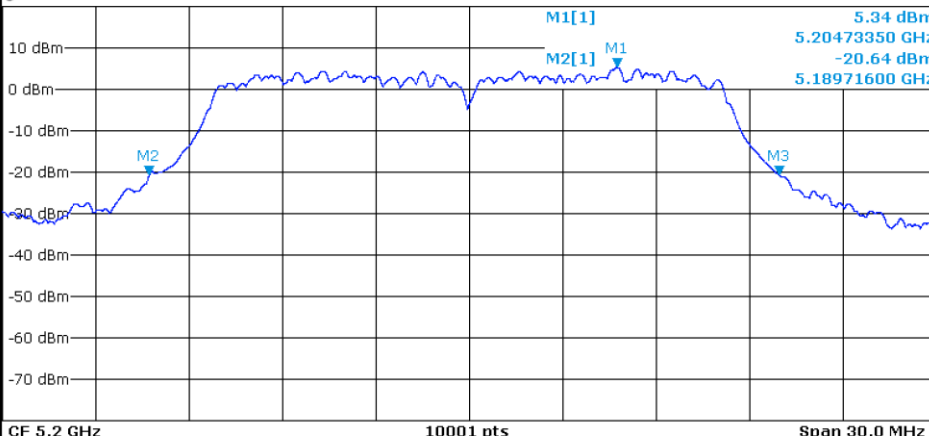


-26dB Bandwidth NVNT a 5200MHz Ant1

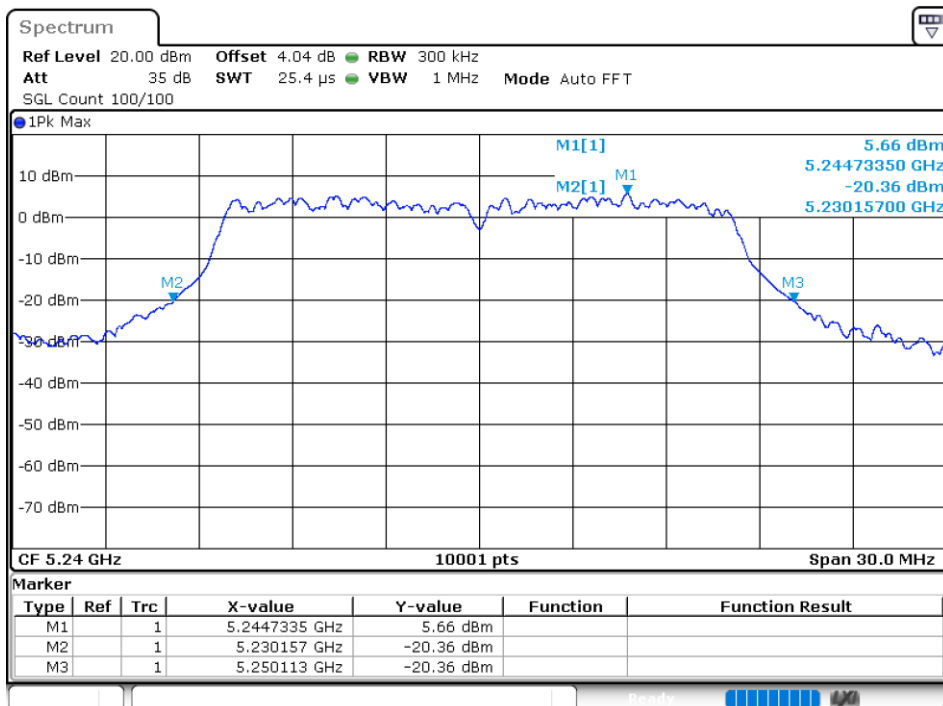
Spectrum

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

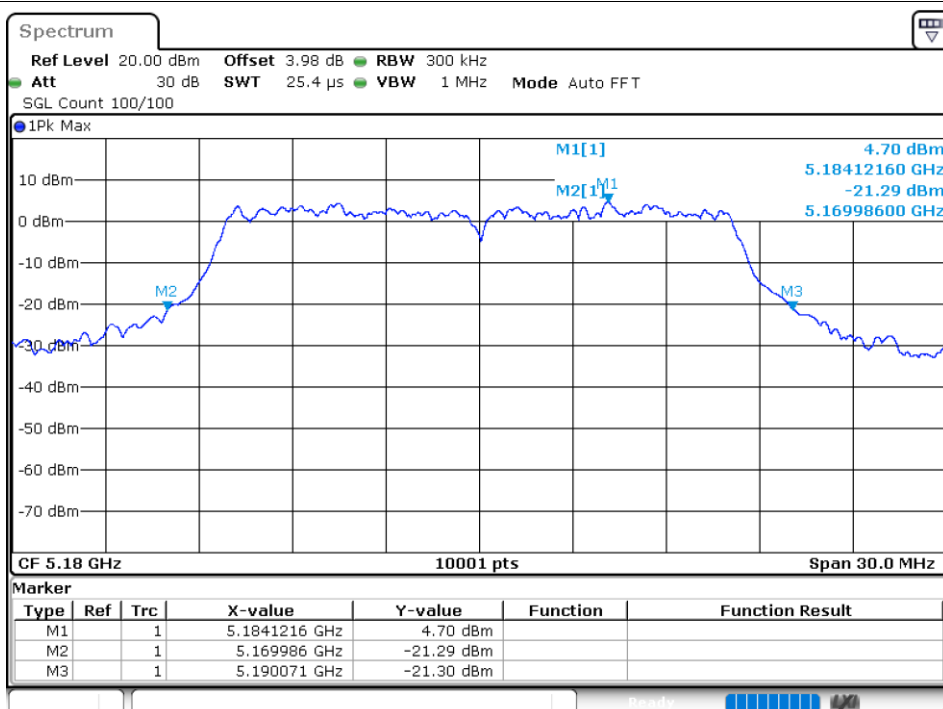
1Pk Max



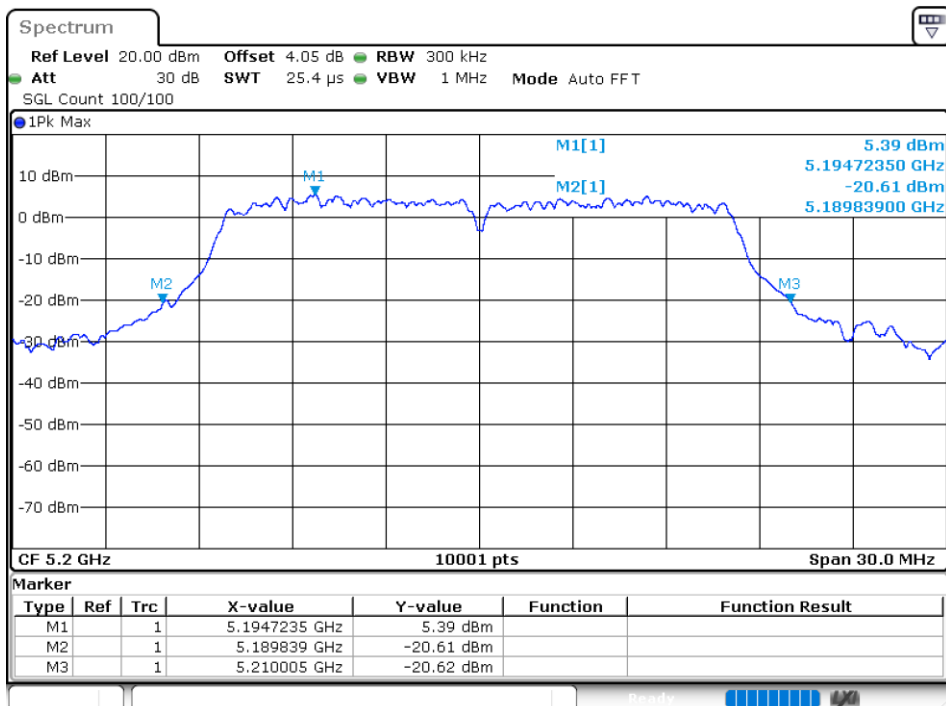
-26dB Bandwidth NVNT a 5240MHz Ant1



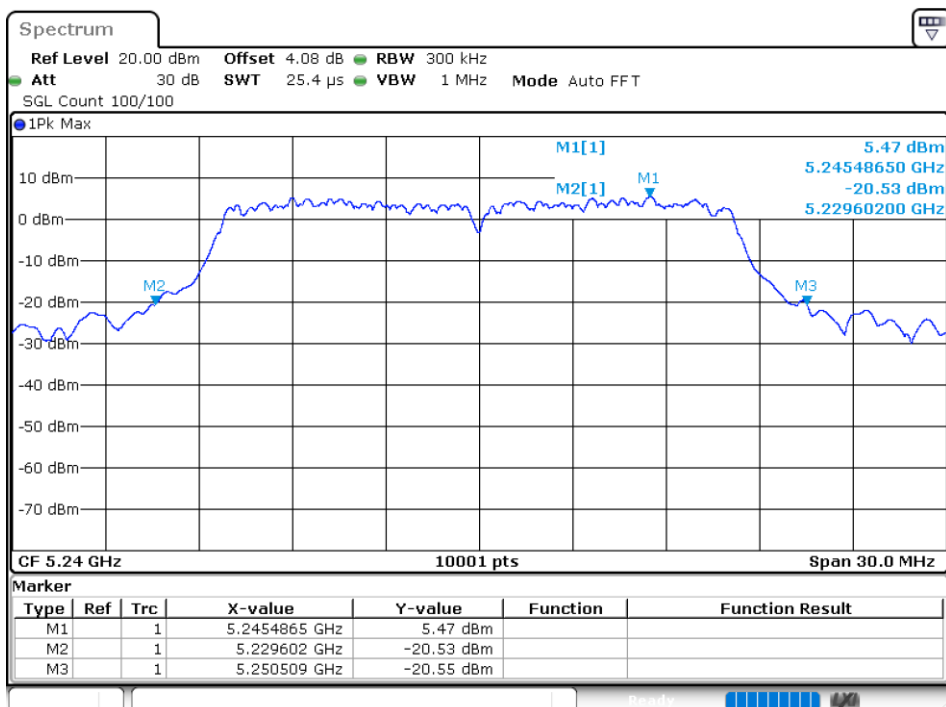
-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2



-26dB Bandwidth NVNT a 5240MHz Ant2

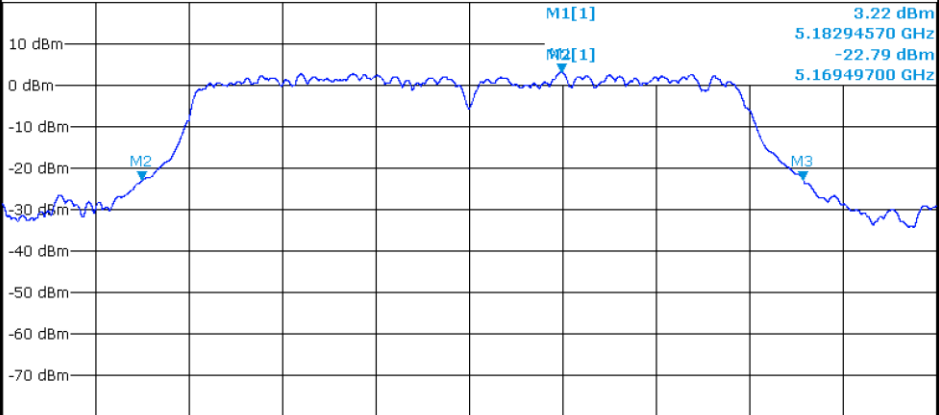


-26dB Bandwidth NVNT n20 5180MHz Ant1

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



Marker

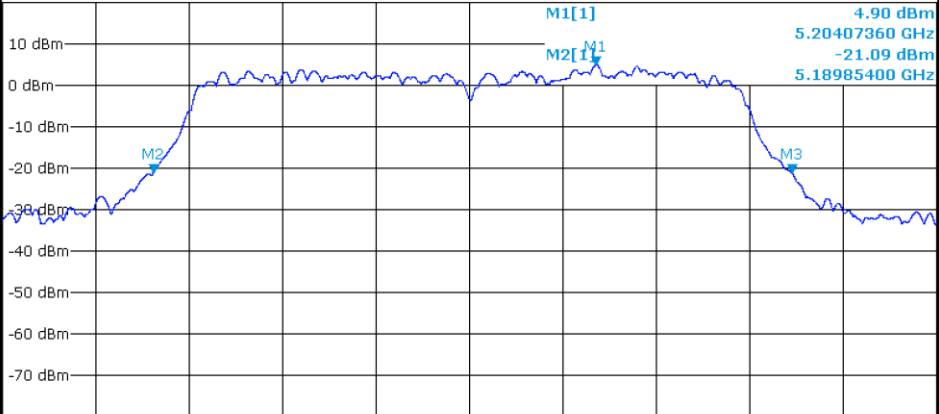
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1829457 GHz	3.22 dBm		
M2	1	1	5.169497 GHz	-22.79 dBm		
M3	1	1	5.190713 GHz	-22.79 dBm		

-26dB Bandwidth NVNT n20 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

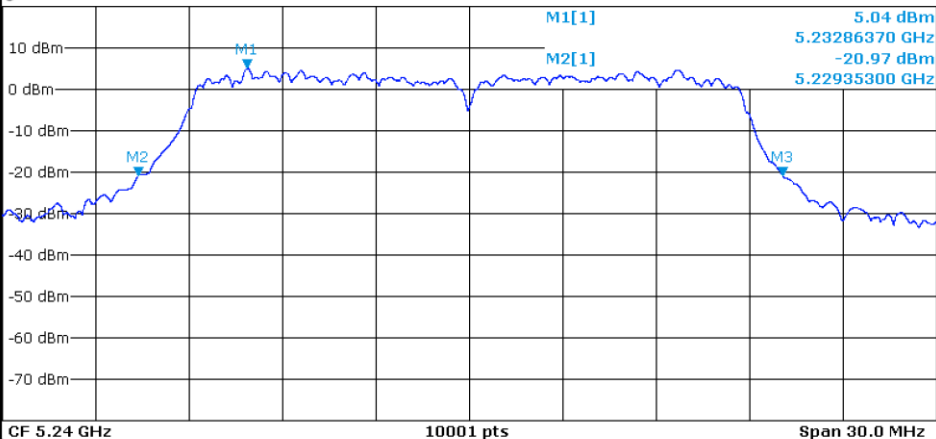
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2040736 GHz	4.90 dBm		
M2	1	1	5.189854 GHz	-21.09 dBm		
M3	1	1	5.210356 GHz	-21.12 dBm		

-26dB Bandwidth NVNT n20 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



Marker

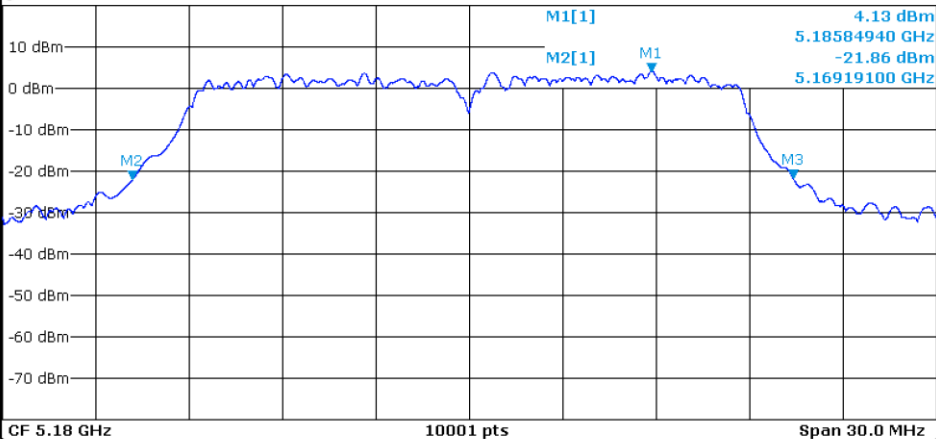
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2328637 GHz	5.04 dBm		
M2		1	5.229353 GHz	-20.97 dBm		
M3		1	5.250071 GHz	-20.96 dBm		

-26dB Bandwidth NVNT n20 5180MHz Ant2

Spectrum

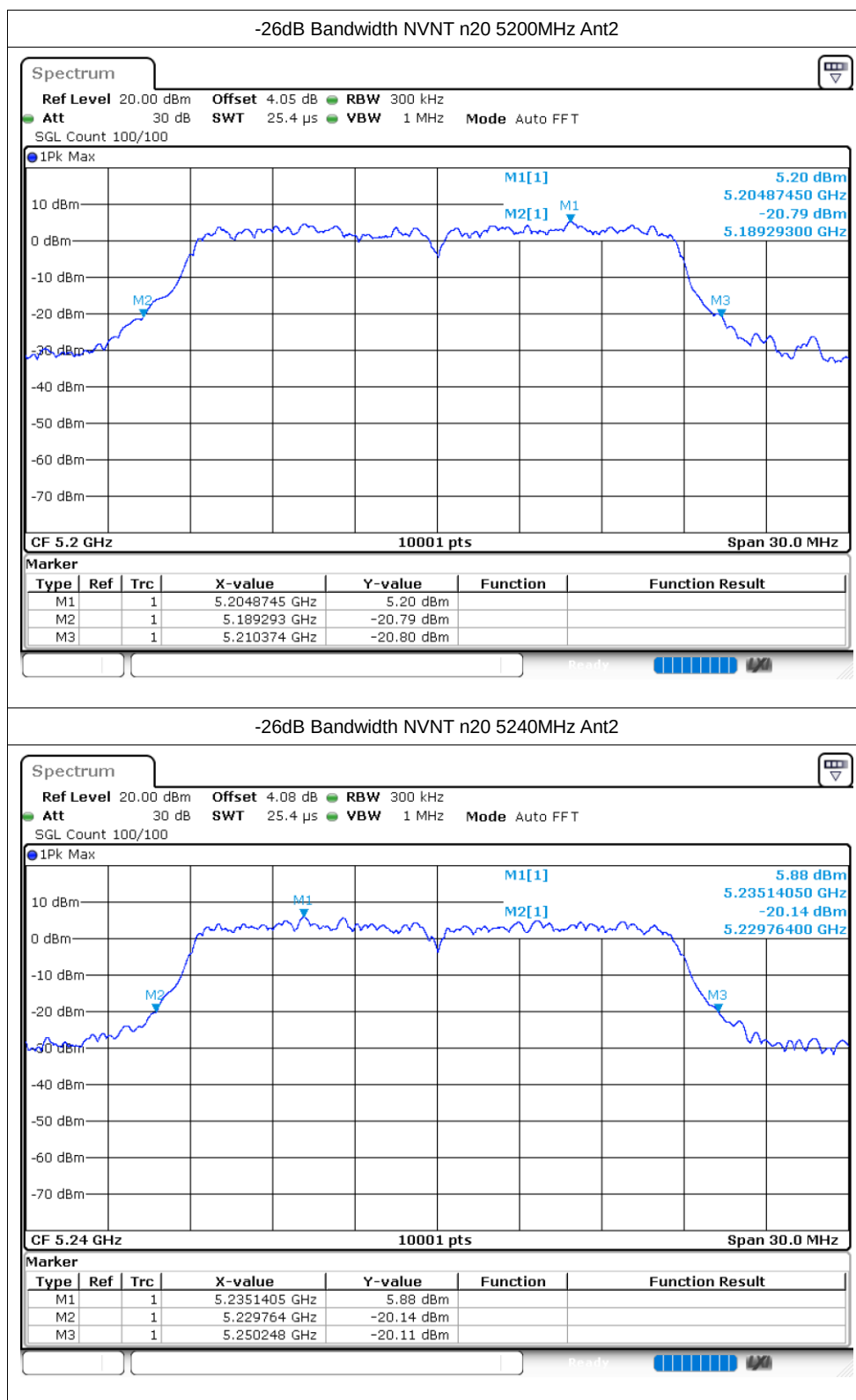
Ref Level 20.00 dBm Offset 3.98 dB RBW 300 kHz
Att 30 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

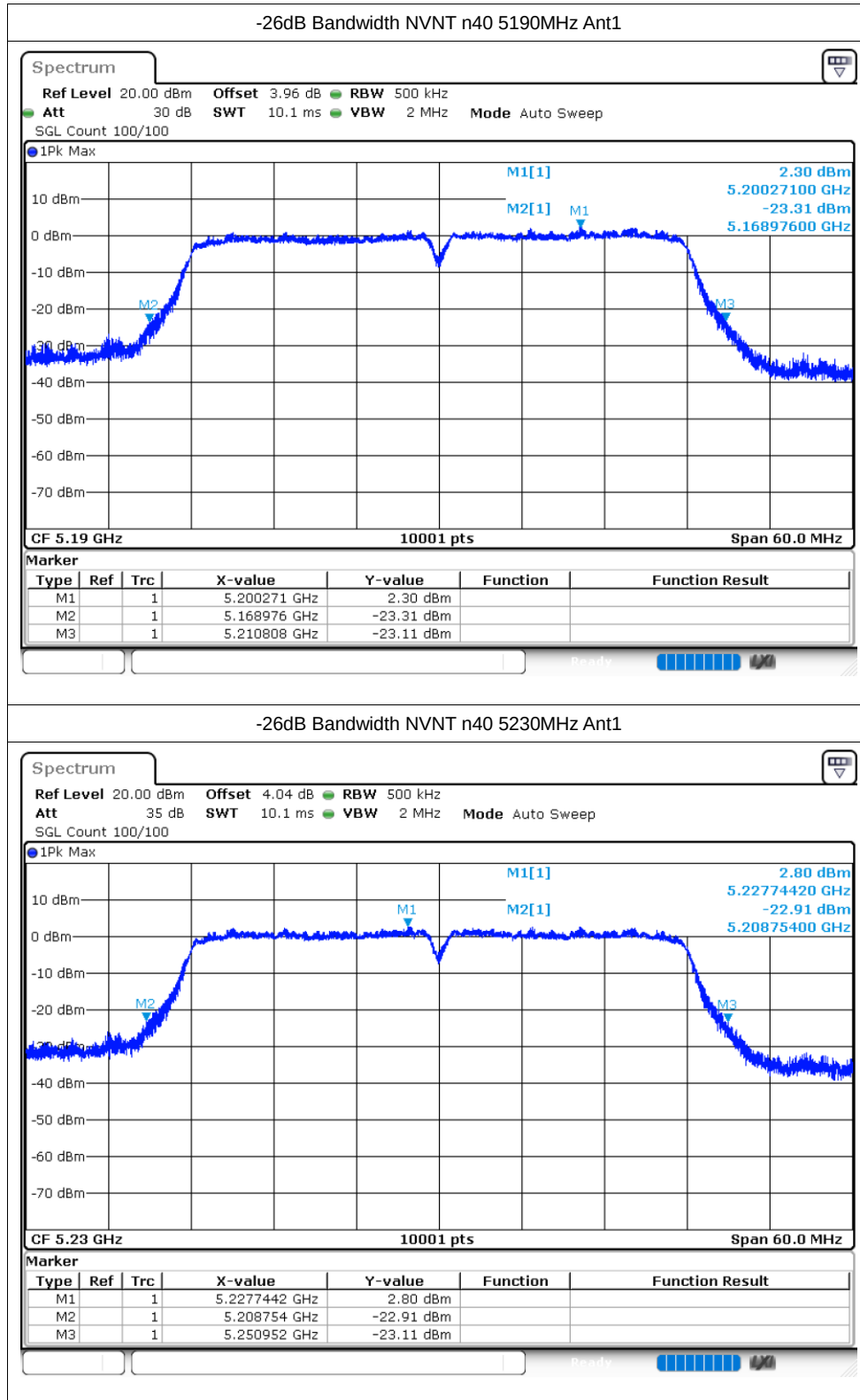
1Pk Max



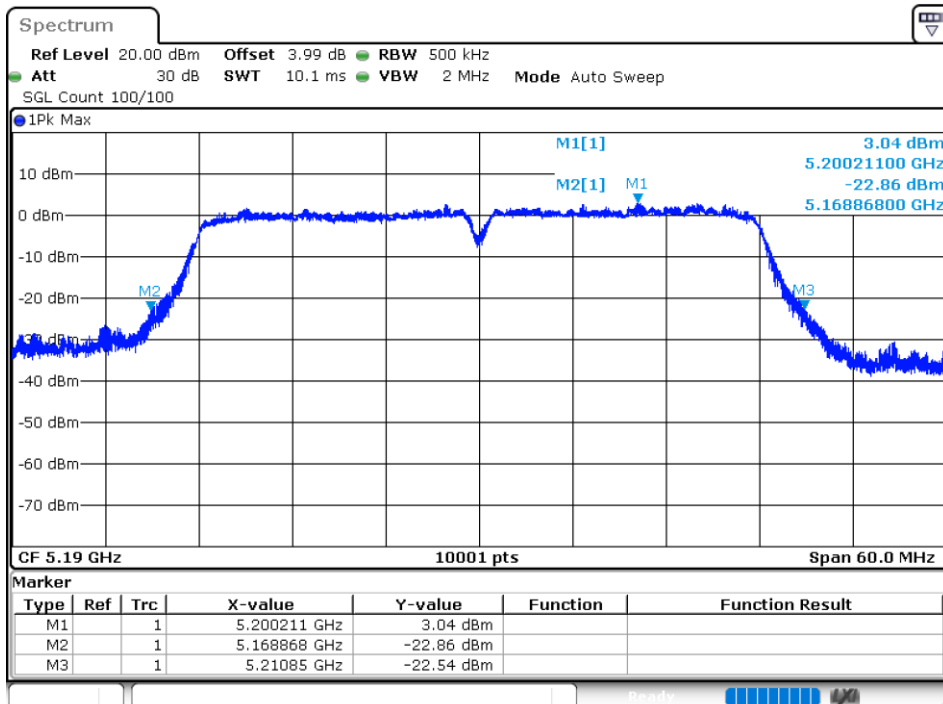
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1858494 GHz	4.13 dBm		
M2		1	5.169191 GHz	-21.86 dBm		
M3		1	5.190404 GHz	-21.85 dBm		

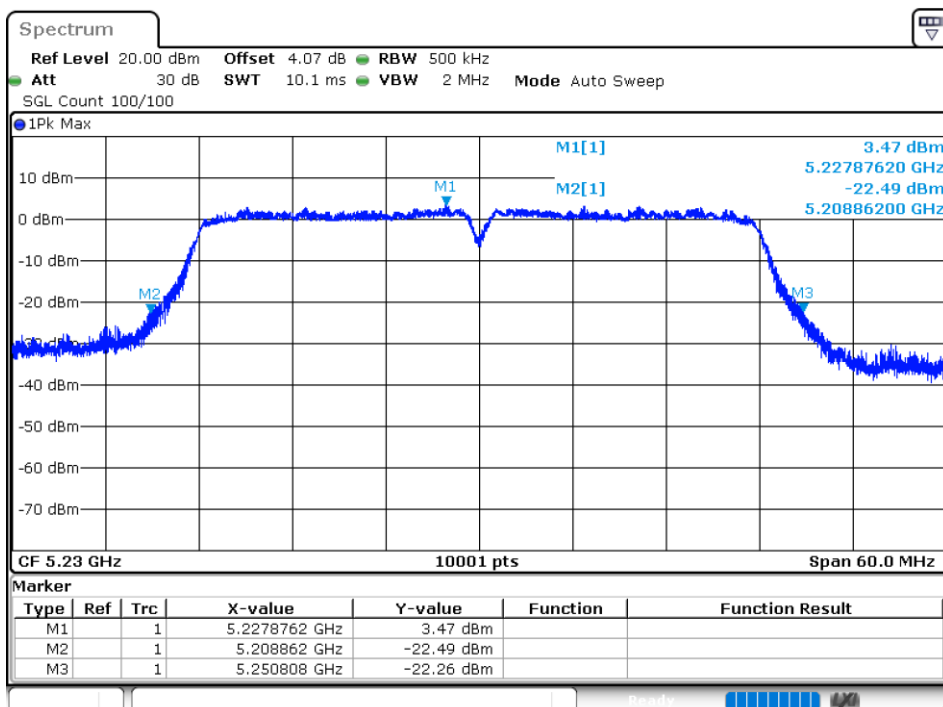


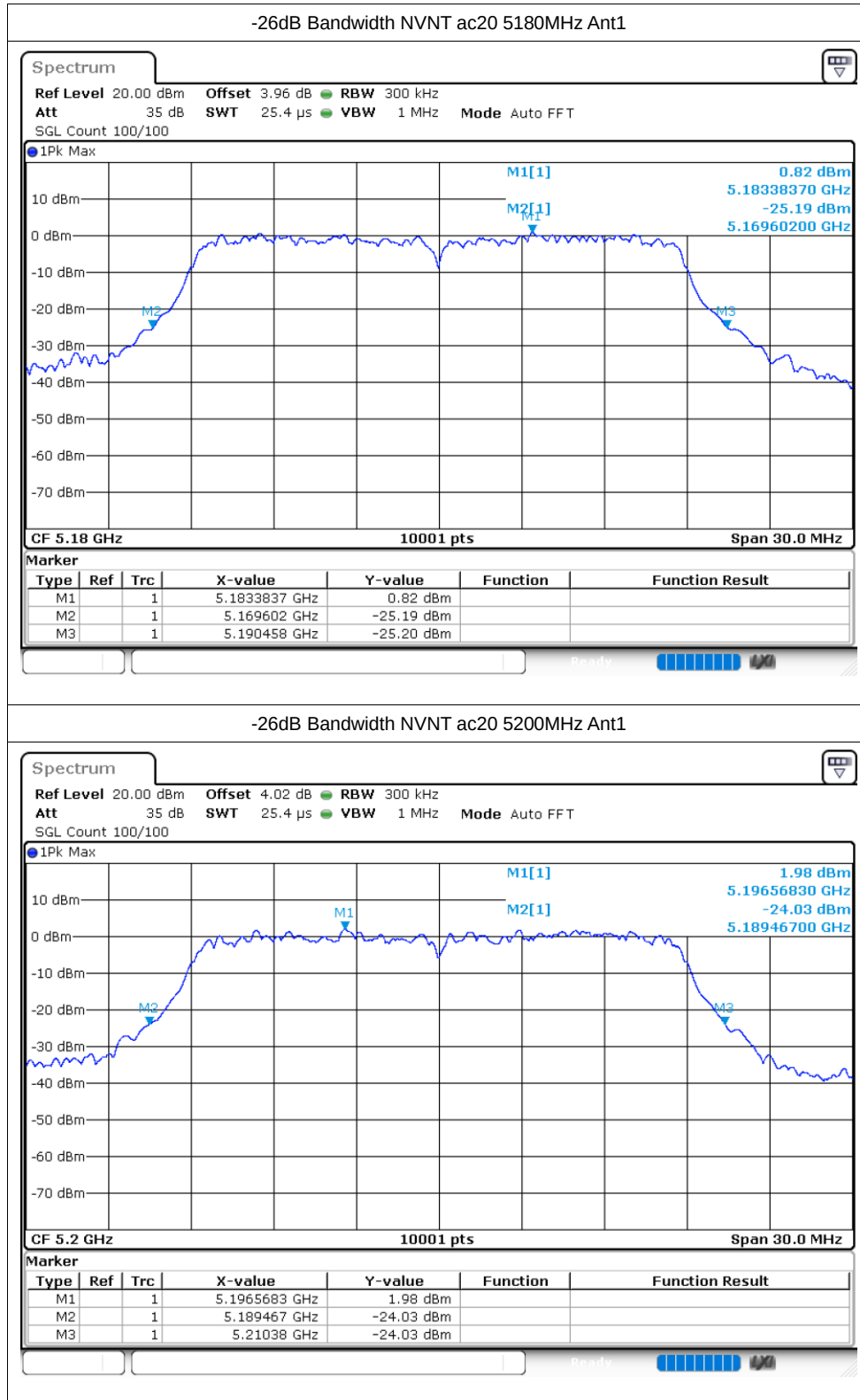


-26dB Bandwidth NVNT n40 5190MHz Ant2

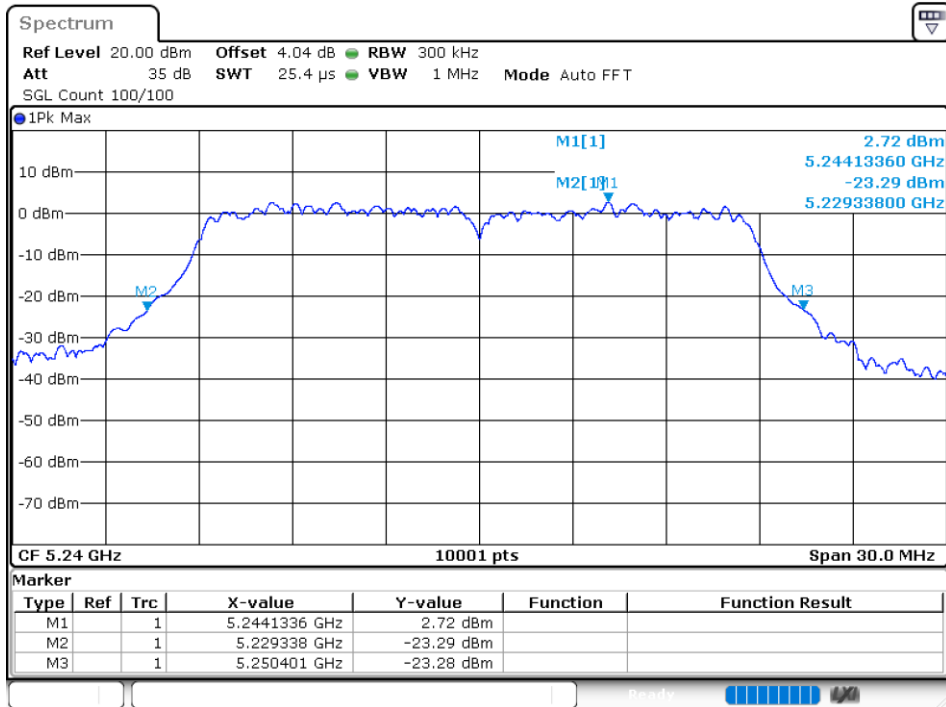


-26dB Bandwidth NVNT n40 5230MHz Ant2

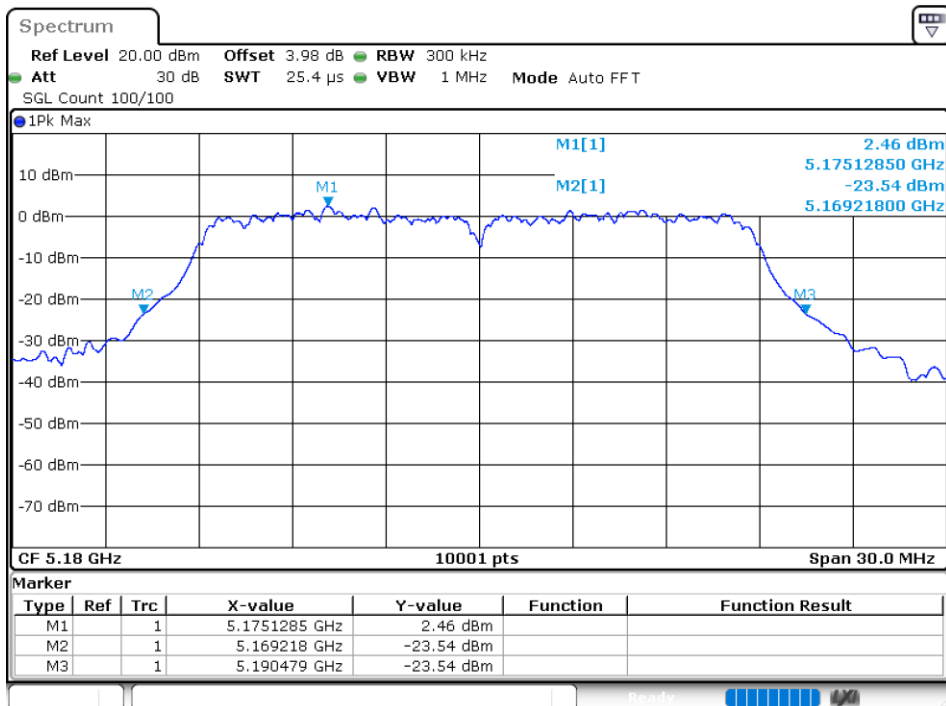




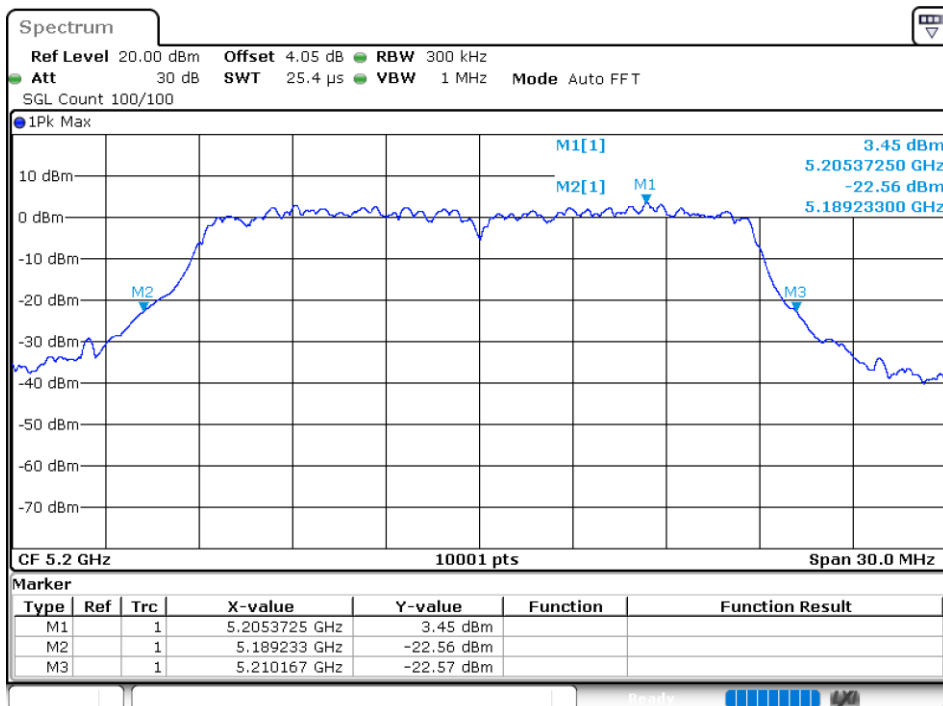
-26dB Bandwidth NVNT ac20 5240MHz Ant1



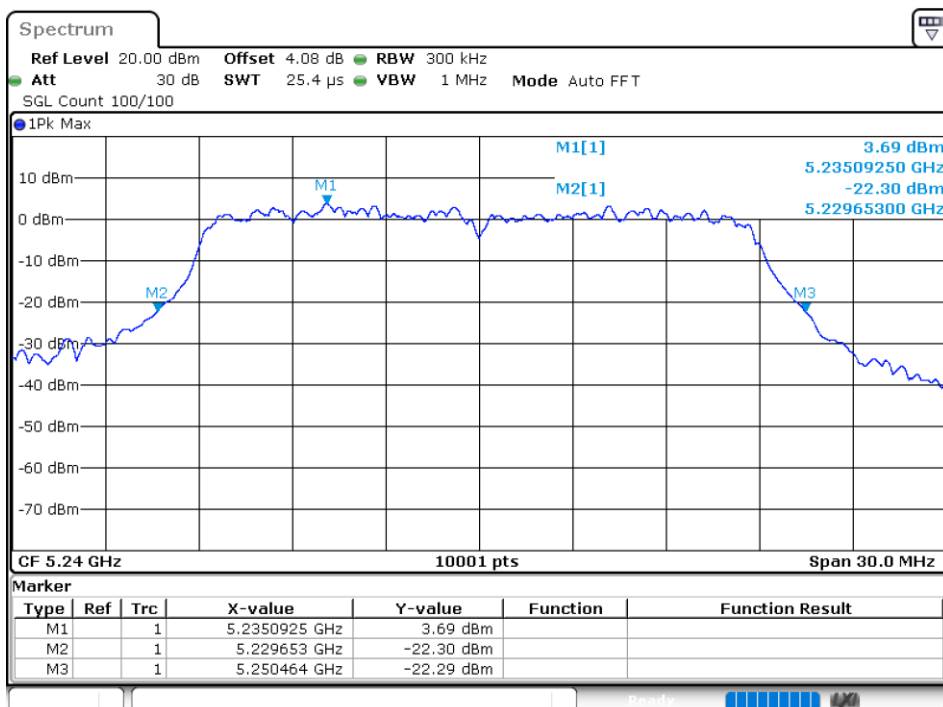
-26dB Bandwidth NVNT ac20 5180MHz Ant2

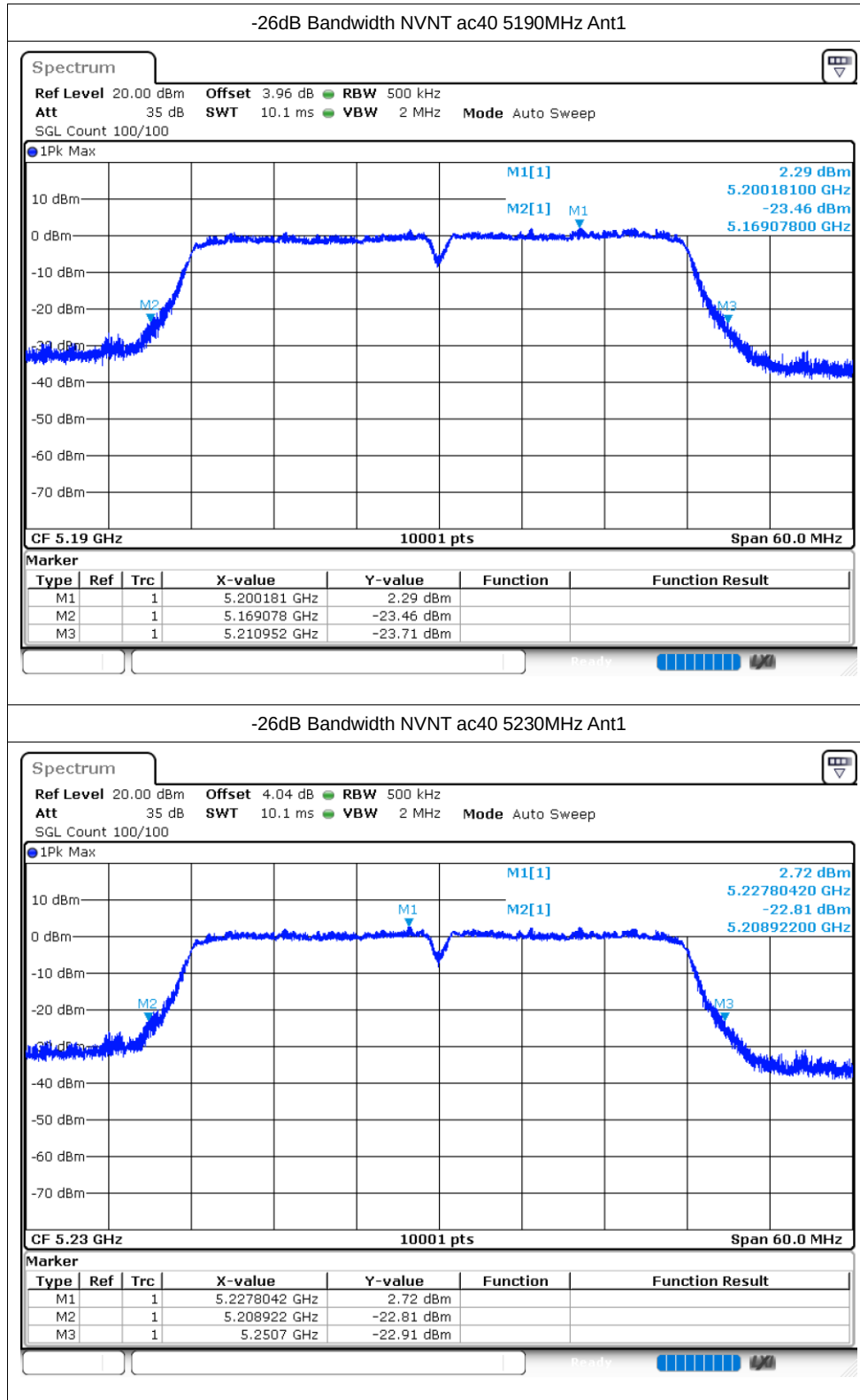


-26dB Bandwidth NVNT ac20 5200MHz Ant2

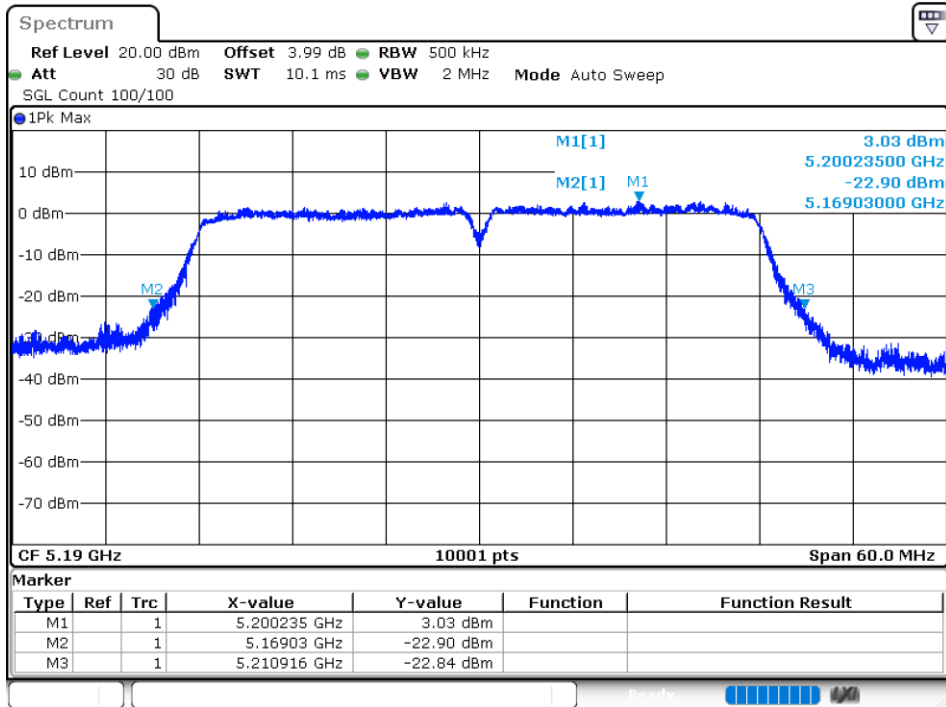


-26dB Bandwidth NVNT ac20 5240MHz Ant2

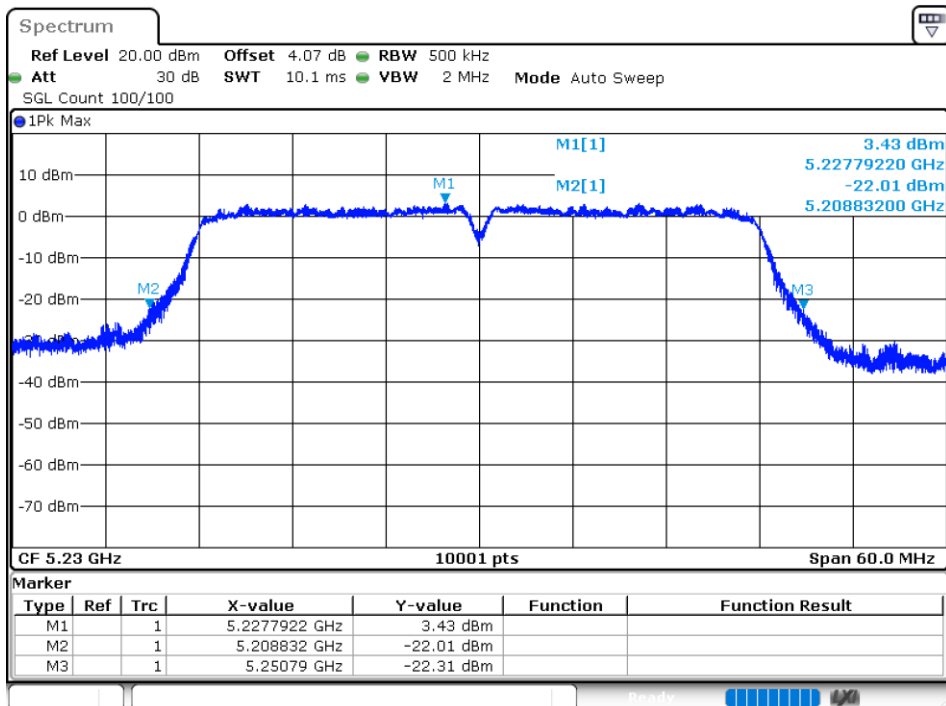




-26dB Bandwidth NVNT ac40 5190MHz Ant2



-26dB Bandwidth NVNT ac40 5230MHz Ant2

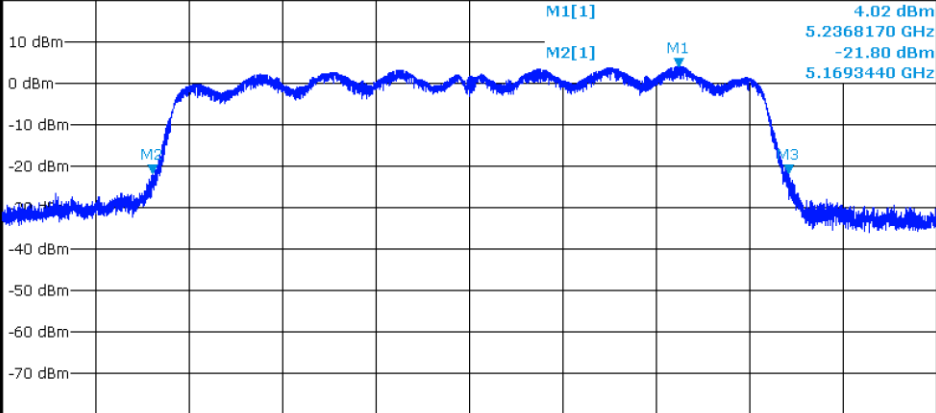


-26dB Bandwidth NVNT ac80 5210MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.02 dB RBW 1 MHz
Att 35 dB SWT 10.1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

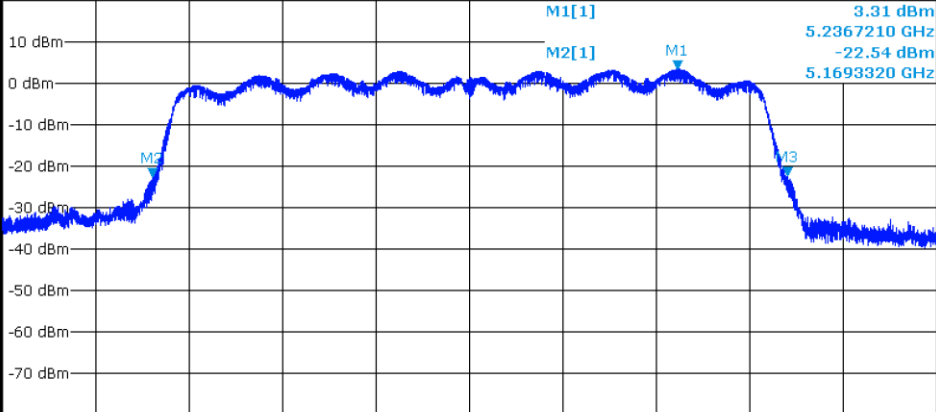
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.236817 GHz	4.02 dBm		
M2	1	1	5.169344 GHz	-21.80 dBm		
M3	1	1	5.251052 GHz	-21.70 dBm		

-26dB Bandwidth NVNT ac80 5210MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.06 dB RBW 1 MHz
Att 30 dB SWT 10.1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

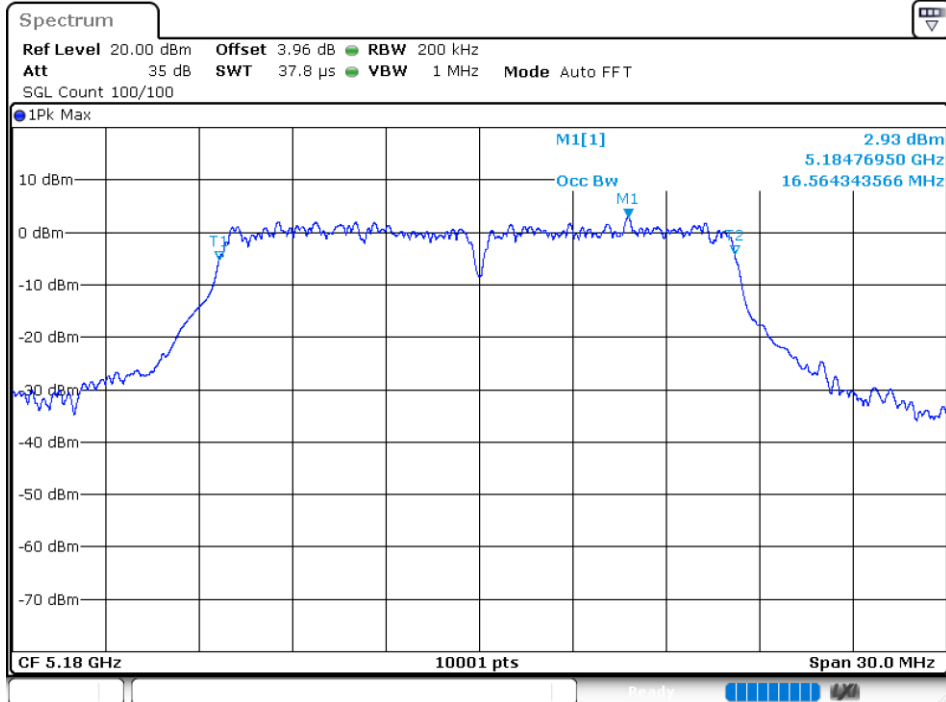
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.236721 GHz	3.31 dBm		
M2	1	1	5.169332 GHz	-22.54 dBm		
M3	1	1	5.250812 GHz	-22.26 dBm		

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.564
NVNT	a	5200	Ant1	16.516
NVNT	a	5240	Ant1	16.486
NVNT	a	5180	Ant2	16.576
NVNT	a	5200	Ant2	16.45
NVNT	a	5240	Ant2	16.558
NVNT	n20	5180	Ant1	17.599
NVNT	n20	5200	Ant1	17.632
NVNT	n20	5240	Ant1	17.605
NVNT	n20	5180	Ant2	17.68
NVNT	n20	5200	Ant2	17.593
NVNT	n20	5240	Ant2	17.632
NVNT	n40	5190	Ant1	36.11
NVNT	n40	5230	Ant1	36.056
NVNT	n40	5190	Ant2	36.104
NVNT	n40	5230	Ant2	36.068
NVNT	ac20	5180	Ant1	17.641
NVNT	ac20	5200	Ant1	17.614
NVNT	ac20	5240	Ant1	17.62
NVNT	ac20	5180	Ant2	17.566
NVNT	ac20	5200	Ant2	17.647
NVNT	ac20	5240	Ant2	17.659
NVNT	ac40	5190	Ant1	36.11
NVNT	ac40	5230	Ant1	36.05
NVNT	ac40	5190	Ant2	36.098
NVNT	ac40	5230	Ant2	36.056
NVNT	ac80	5210	Ant1	74.897
NVNT	ac80	5210	Ant2	74.873

Test Graphs

OBW NVNT a 5180MHz Ant1



OBW NVNT a 5200MHz Ant1

