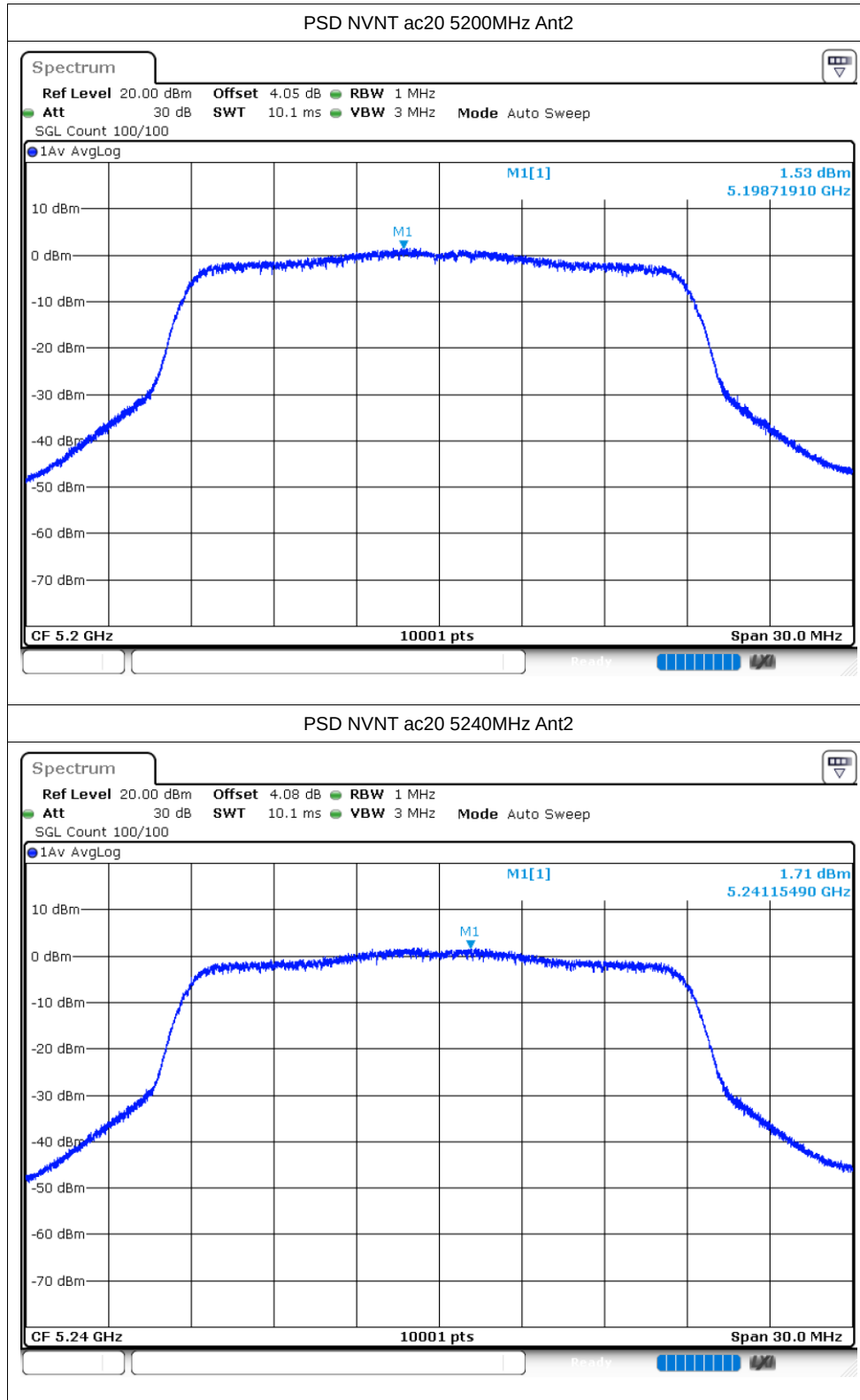
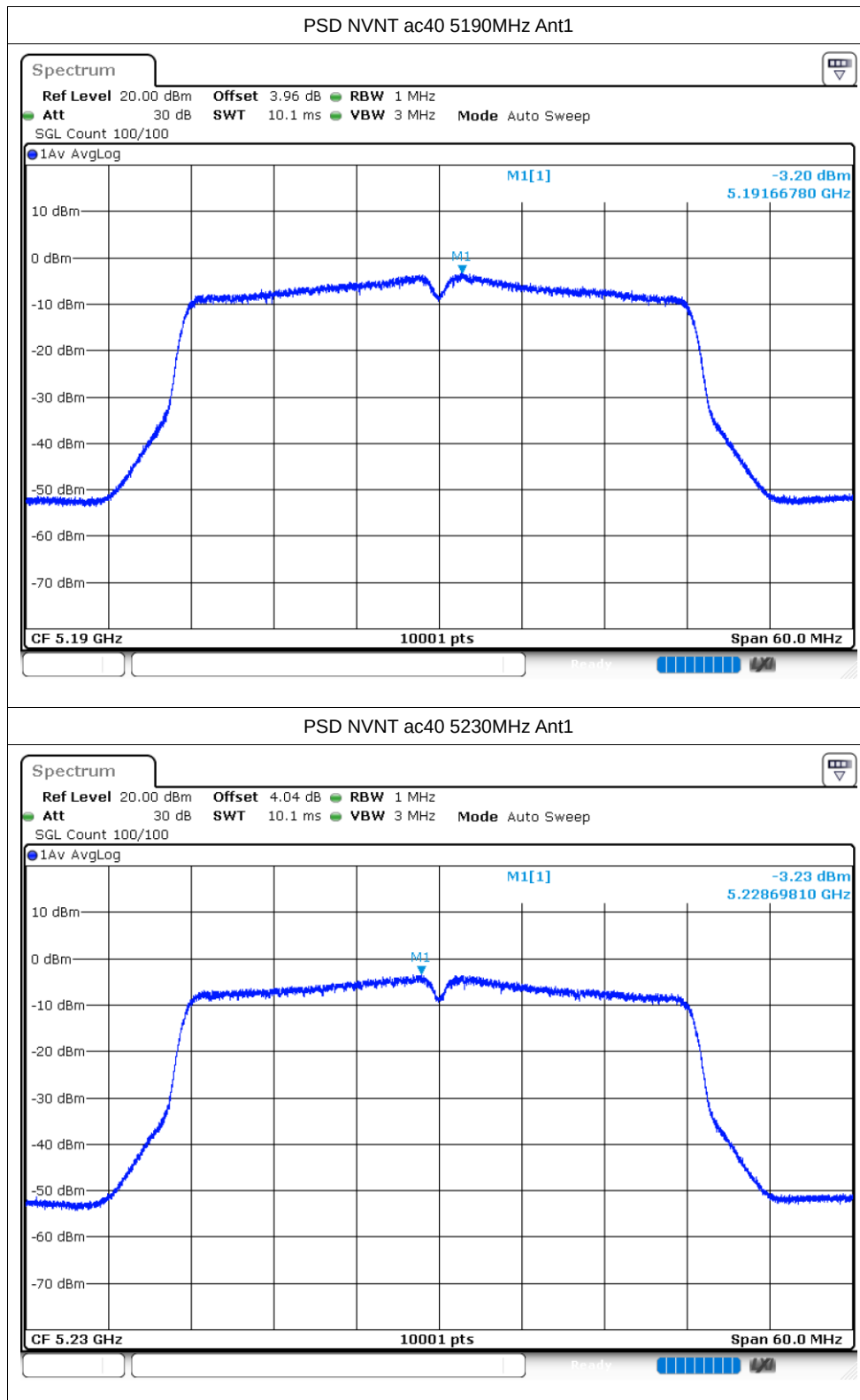
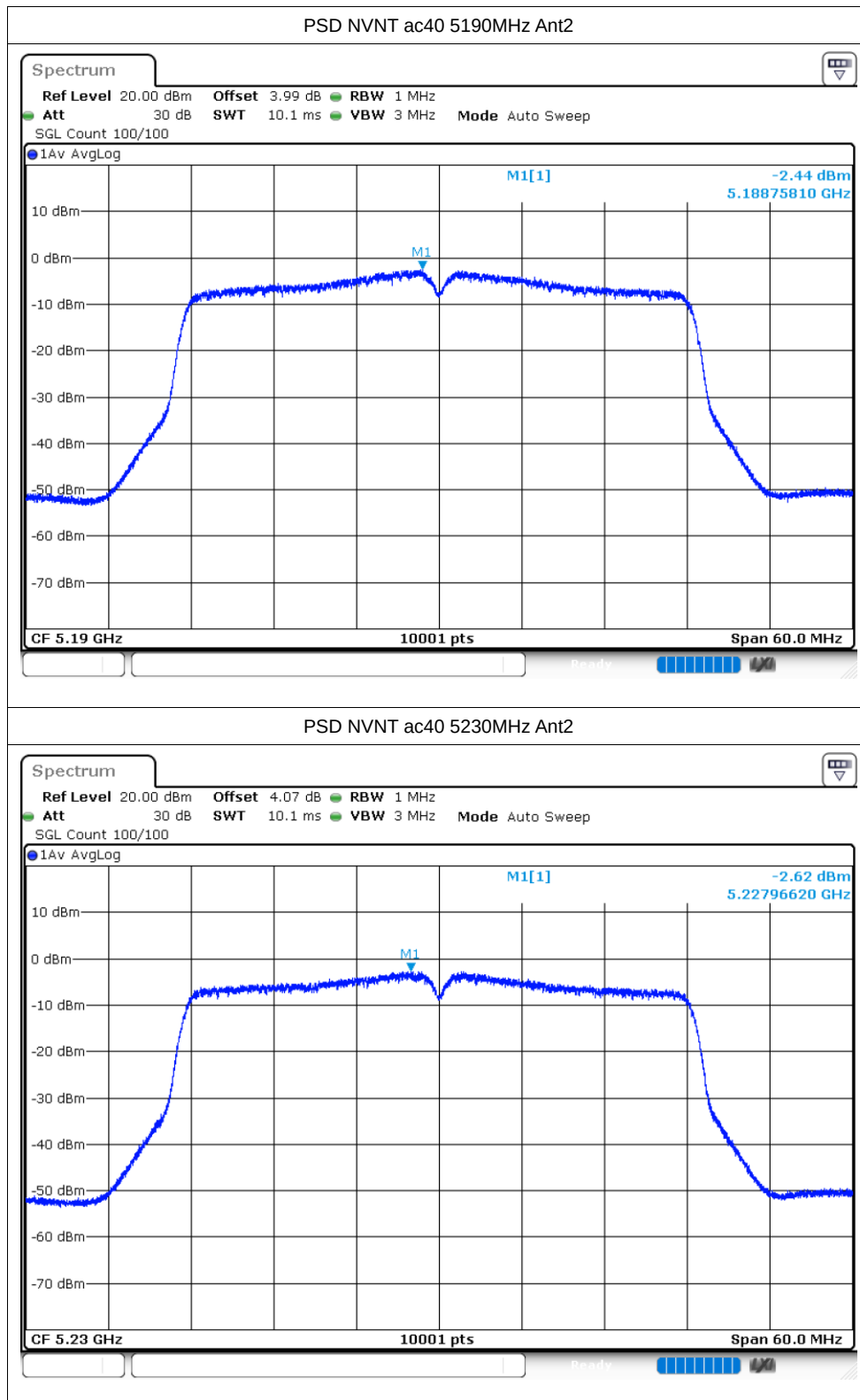
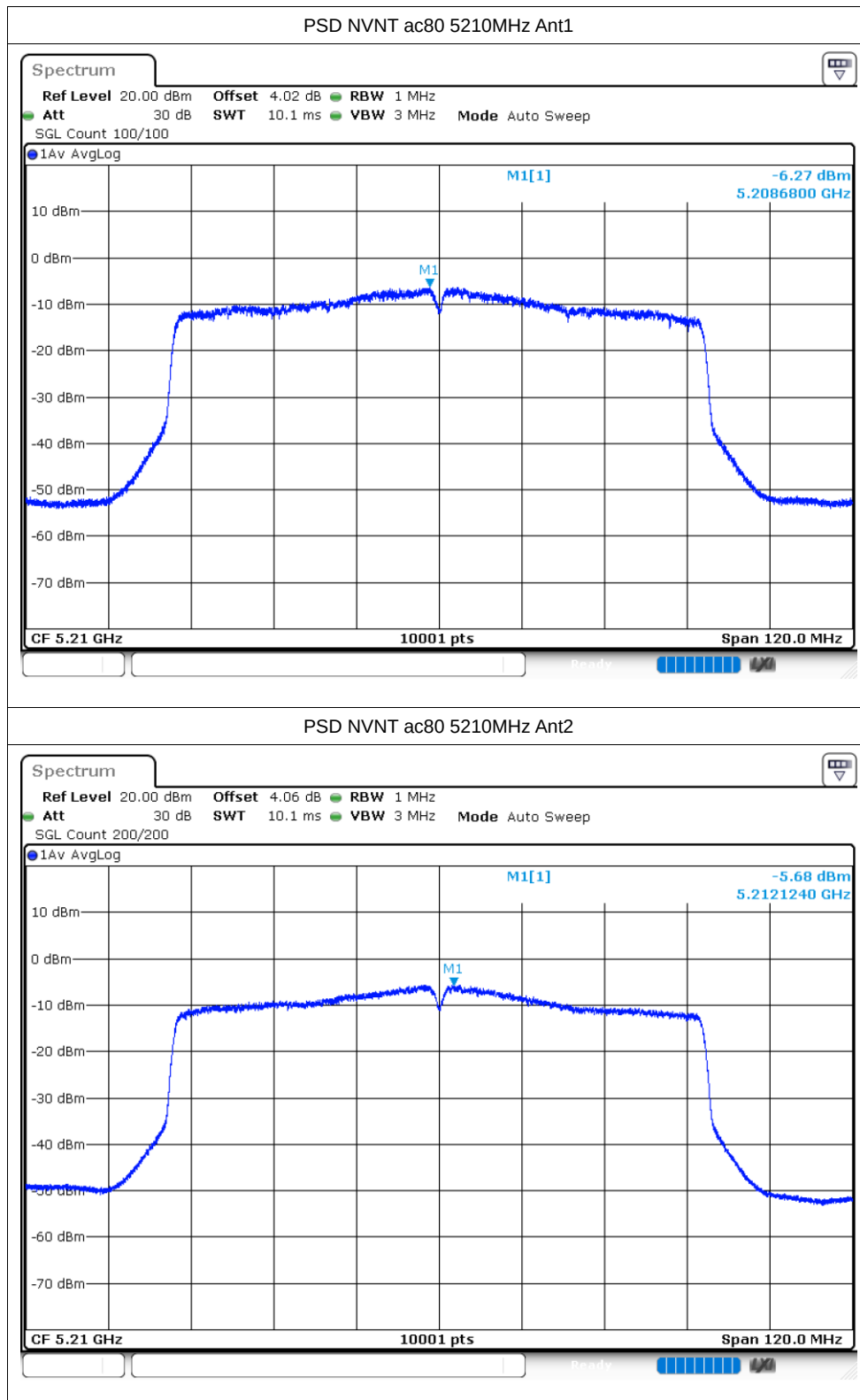
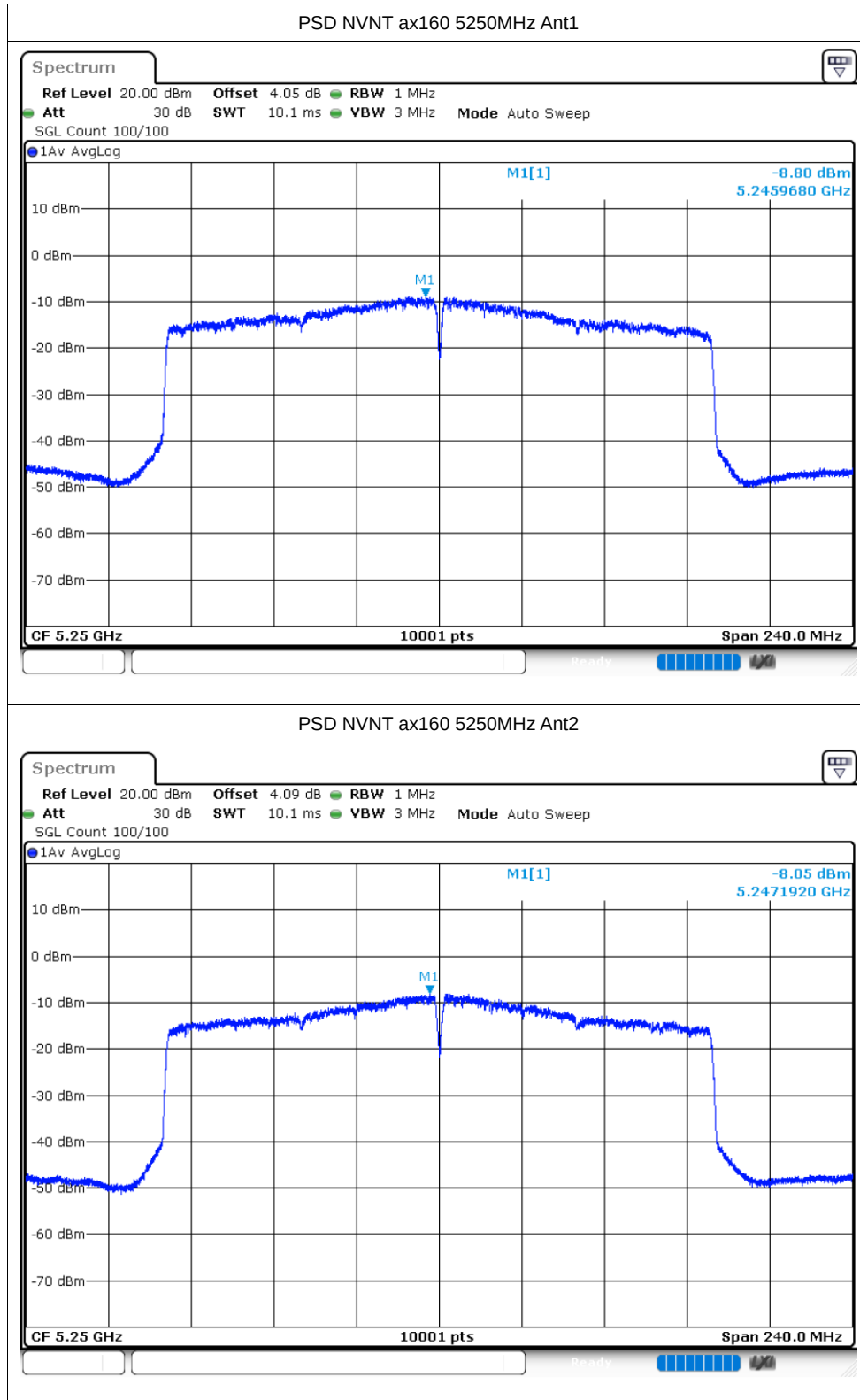


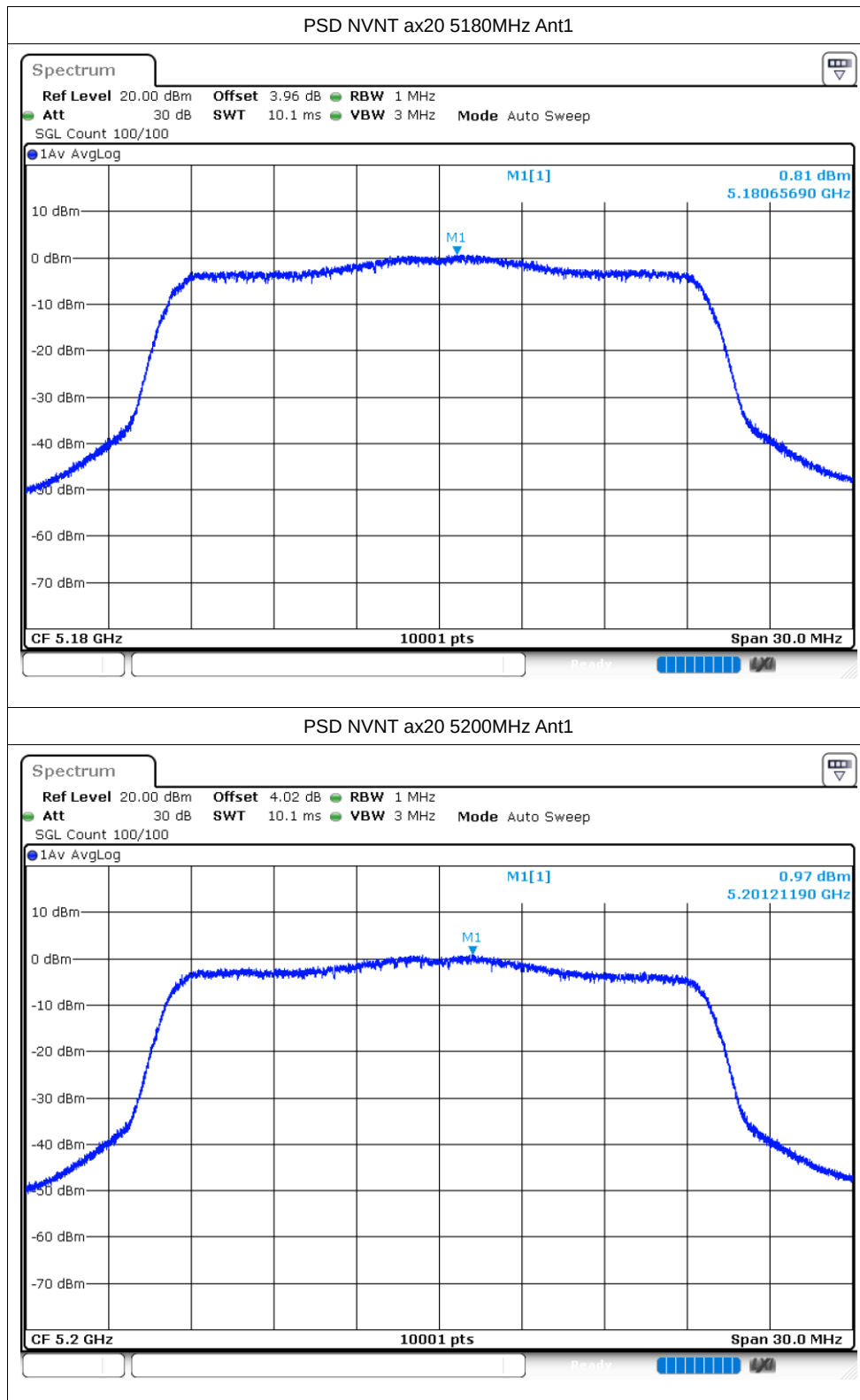


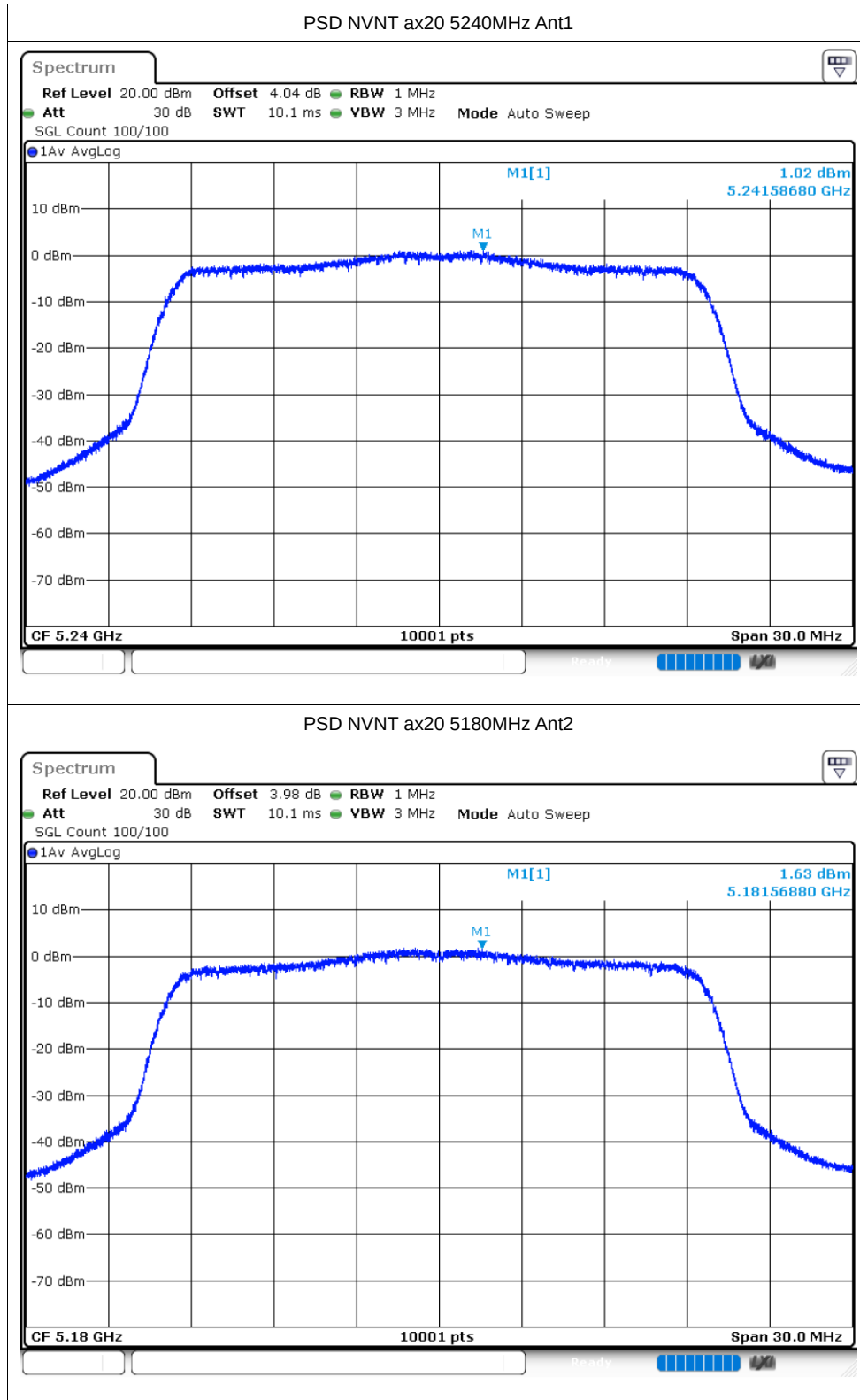


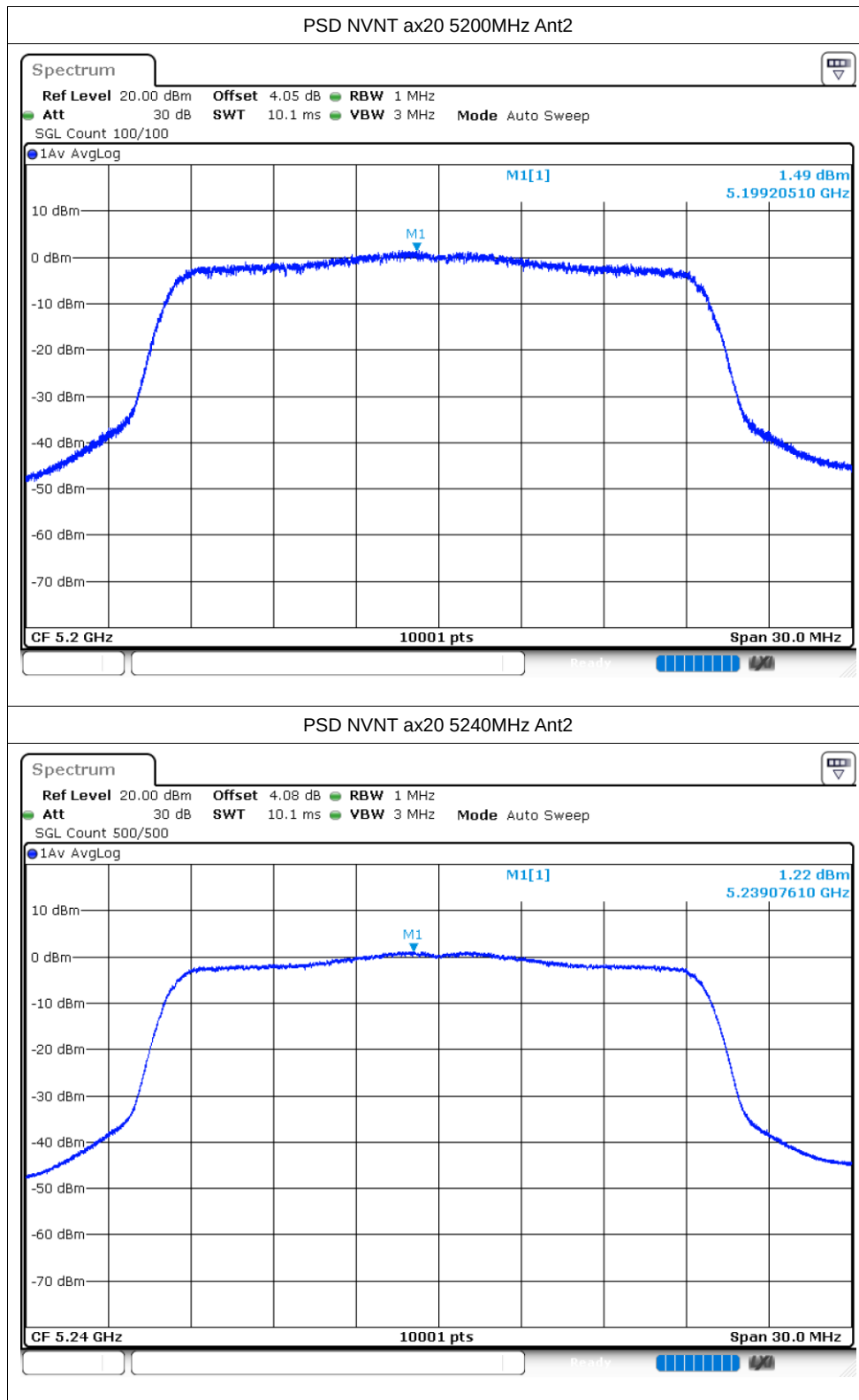


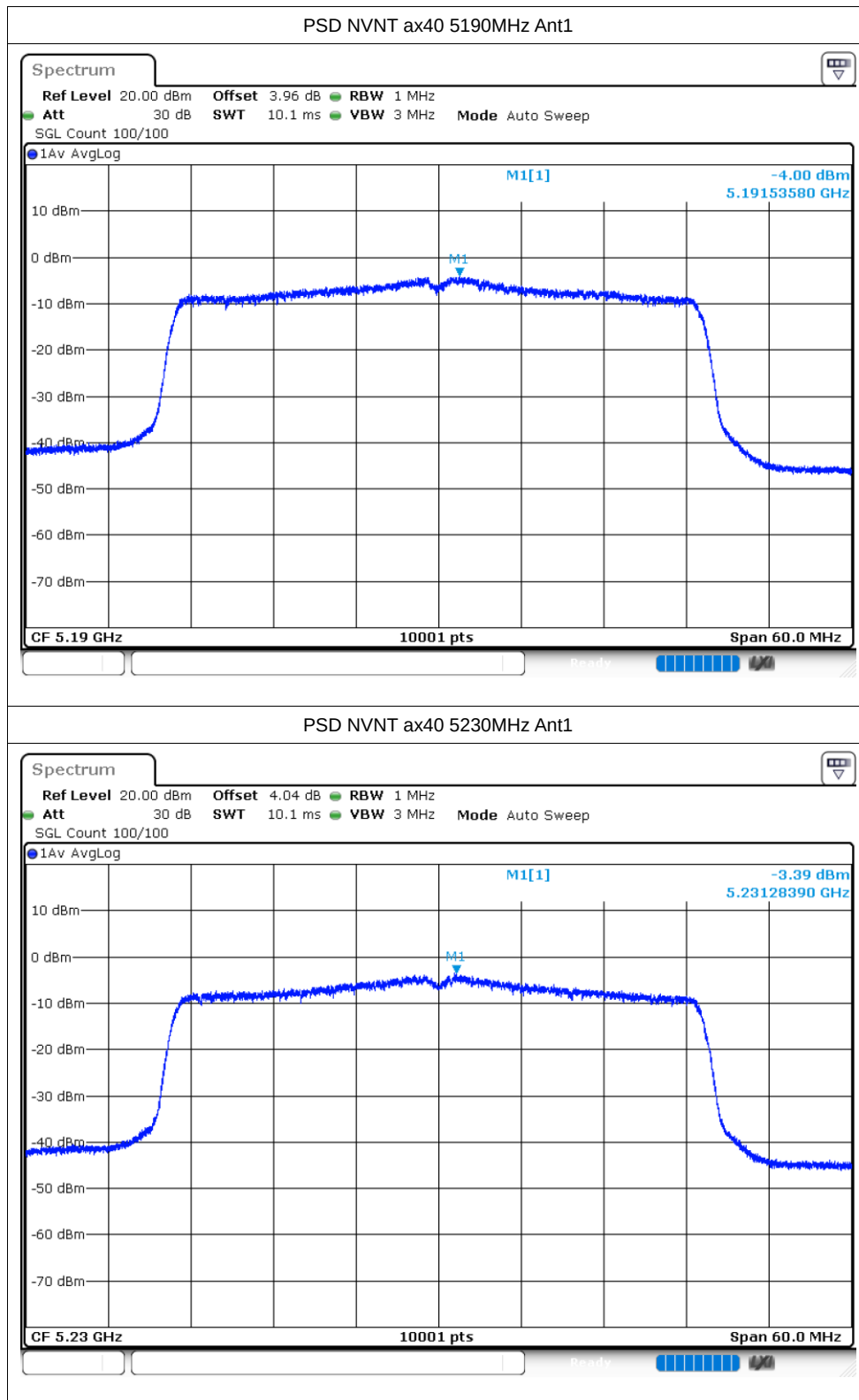


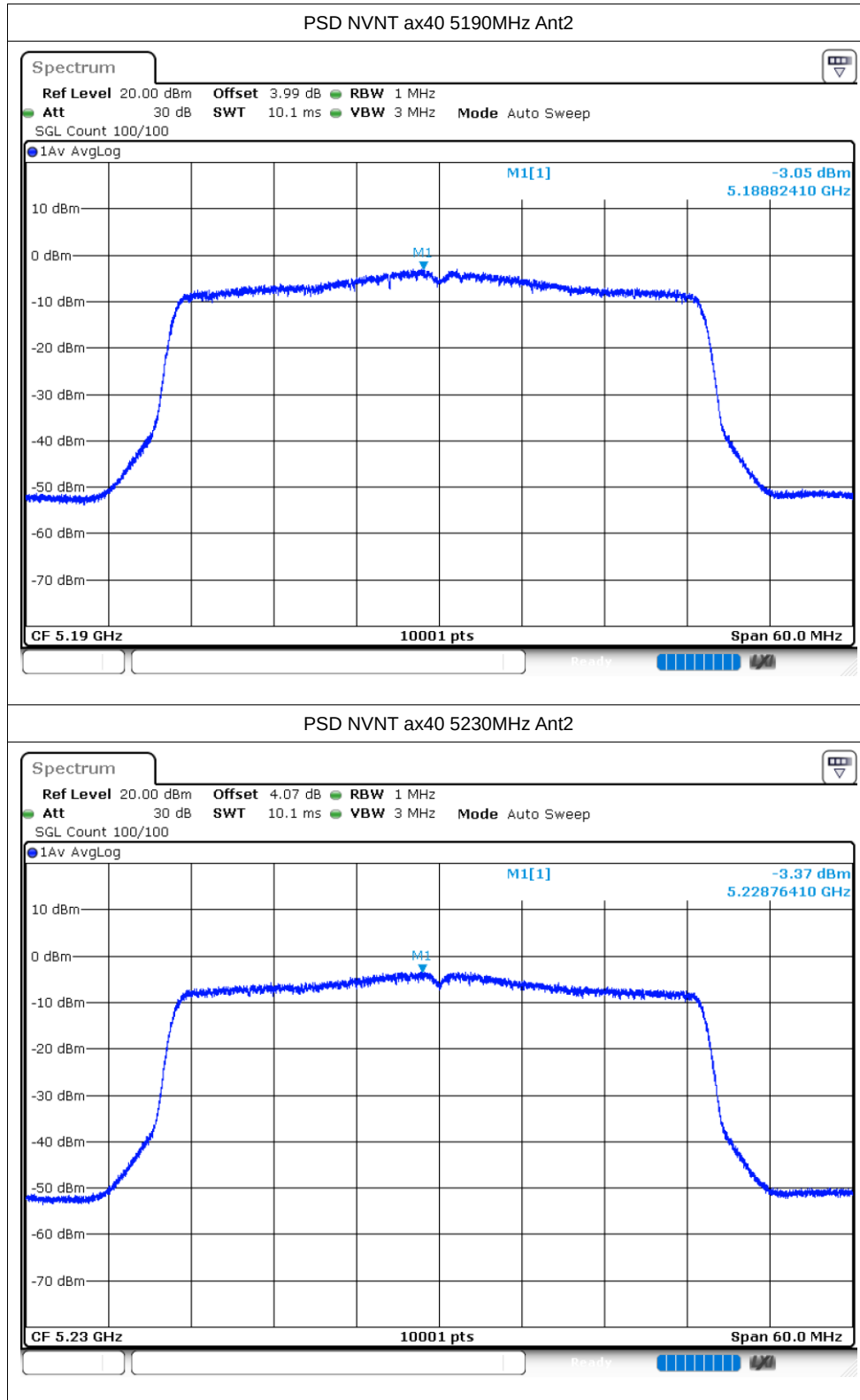


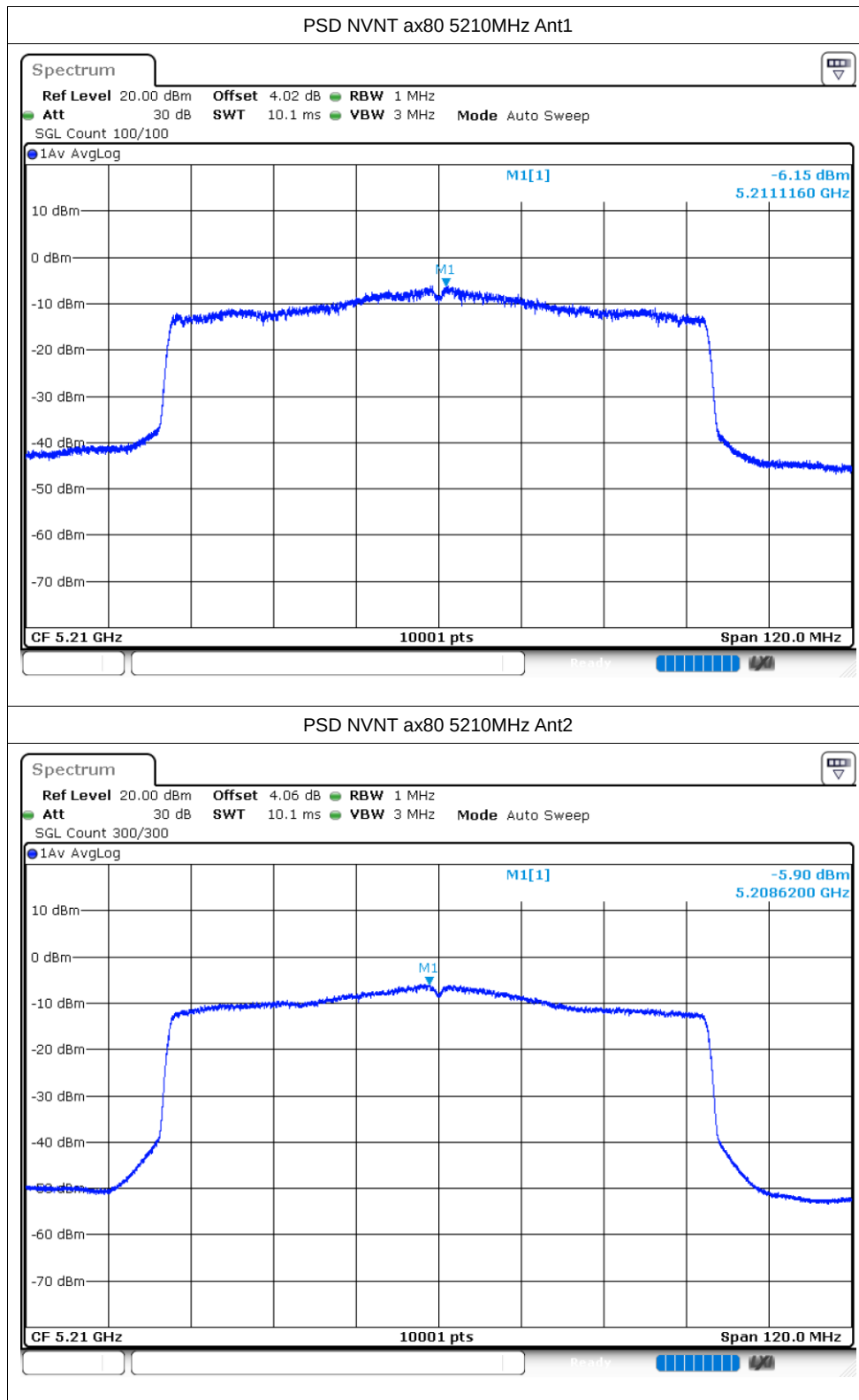








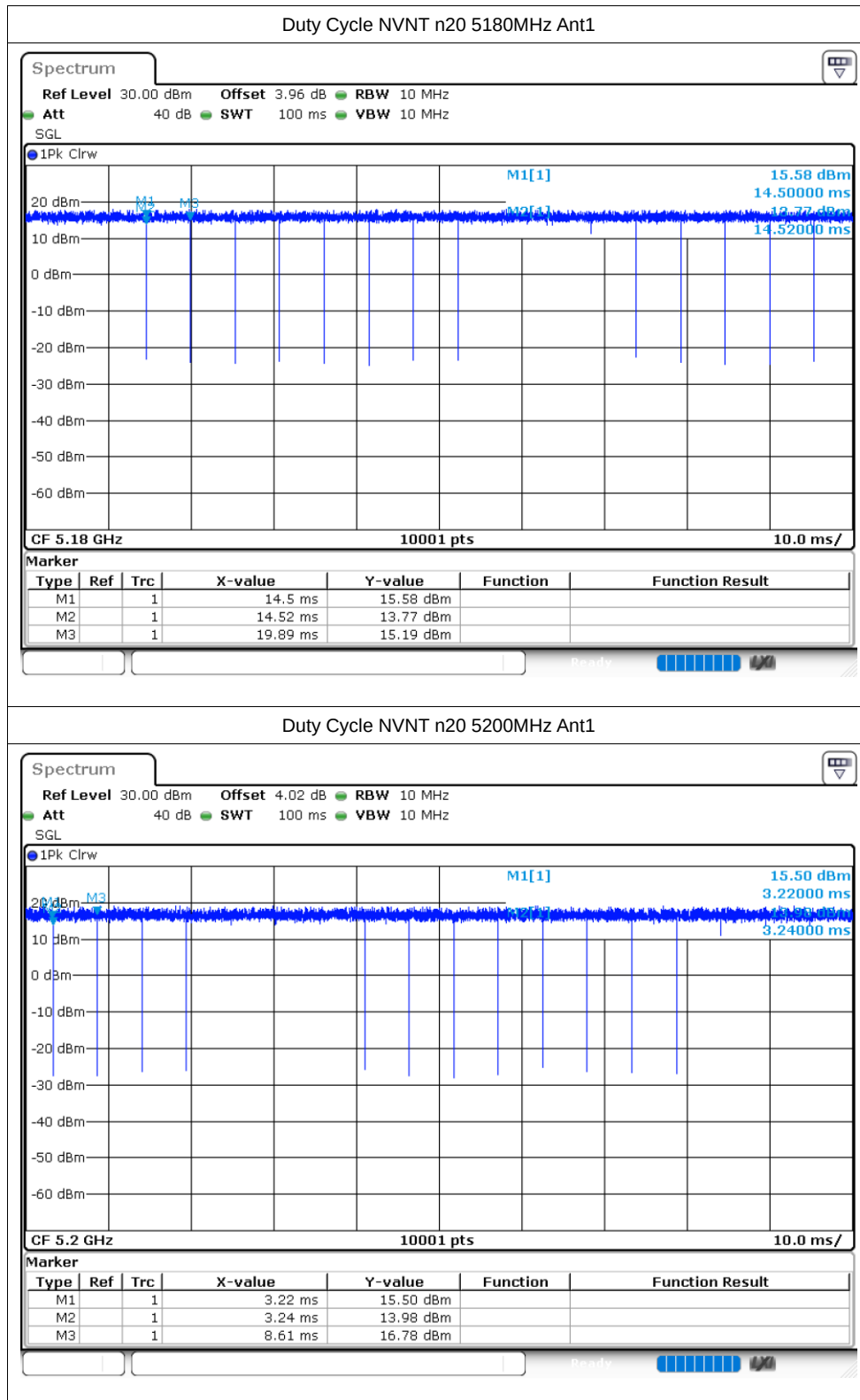


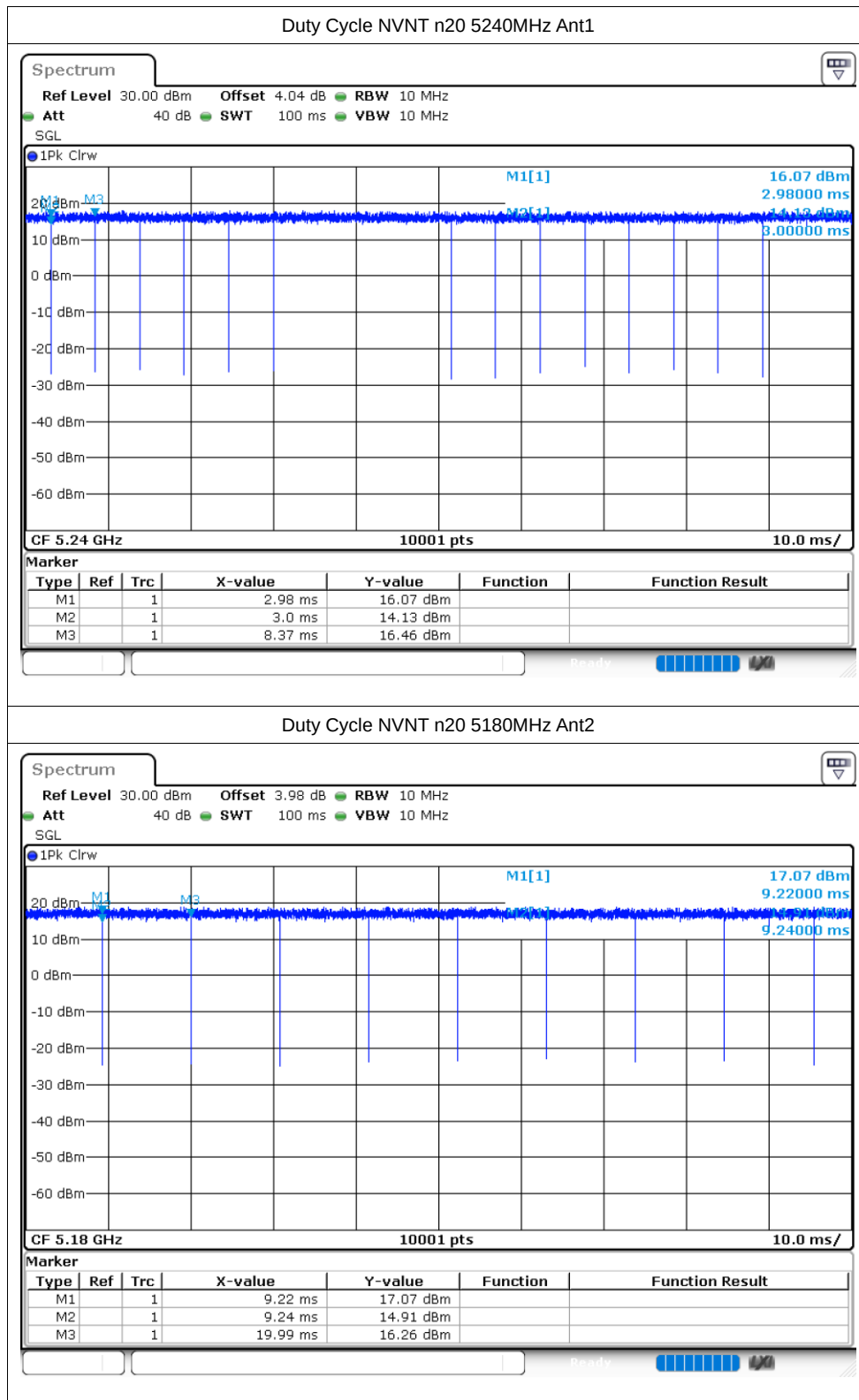


WIFI 5.2G MIMO

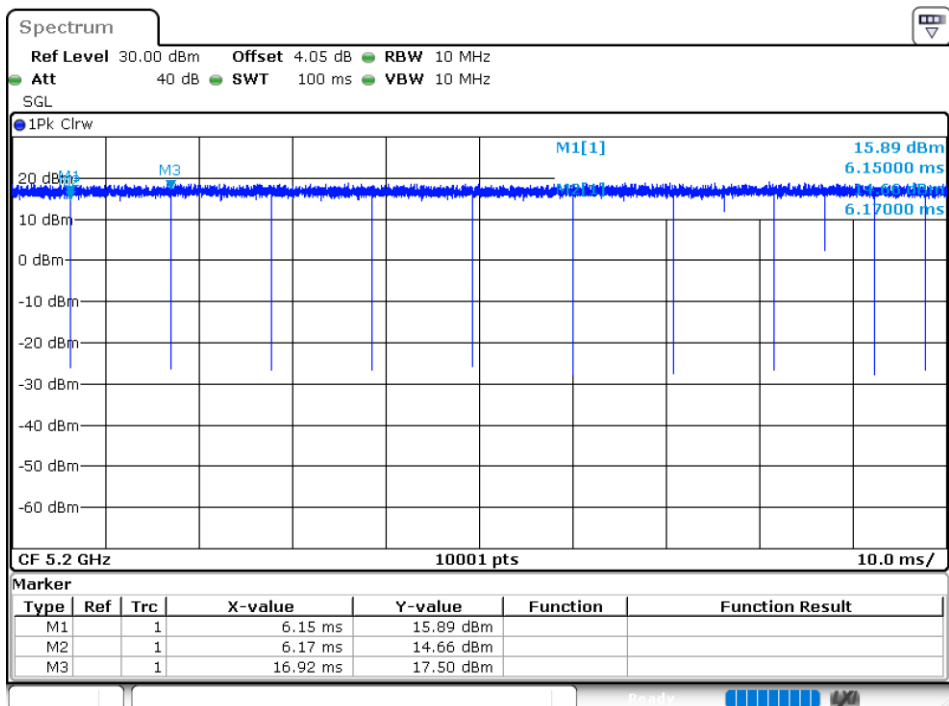
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	n20	5180	Ant1	99.93	0	0.09
NVNT	n20	5200	Ant1	99.86	0.01	0.09
NVNT	n20	5240	Ant1	99.91	0	0.09
NVNT	n20	5180	Ant2	99.86	0.01	0.09
NVNT	n20	5200	Ant2	99.88	0.01	0.09
NVNT	n20	5240	Ant2	99.85	0.01	0.09
NVNT	n40	5190	Ant1	99.88	0.01	0.05
NVNT	n40	5230	Ant1	99.88	0.01	0.19
NVNT	n40	5190	Ant2	99.88	0.01	0.19
NVNT	n40	5230	Ant2	99.88	0.01	0.19
NVNT	ac20	5180	Ant1	99.87	0.01	0.19
NVNT	ac20	5200	Ant1	99.88	0.01	0.19
NVNT	ac20	5240	Ant1	99.86	0.01	0.19
NVNT	ac20	5180	Ant2	99.88	0.01	0.19
NVNT	ac20	5200	Ant2	99.88	0.01	0.19
NVNT	ac20	5240	Ant2	99.87	0.01	0.19
NVNT	ac40	5190	Ant1	99.88	0.01	0.19
NVNT	ac40	5230	Ant1	99.85	0.01	0.09
NVNT	ac40	5190	Ant2	99.88	0.01	0.19
NVNT	ac40	5230	Ant2	99.87	0.01	0.19
NVNT	ac80	5210	Ant1	99.81	0.01	0.32
NVNT	ac80	5210	Ant2	99.81	0.01	0.32
NVNT	ax160	5250	Ant1	99.74	0.01	0.23
NVNT	ax160	5250	Ant2	99.40	0.01	0.25
NVNT	ax20	5180	Ant1	99.87	0.01	0.19
NVNT	ax20	5200	Ant1	99.87	0.01	0.19
NVNT	ax20	5240	Ant1	99.88	0.01	0.19
NVNT	ax20	5180	Ant2	99.87	0.01	0.19
NVNT	ax20	5200	Ant2	99.86	0.01	0.19
NVNT	ax20	5240	Ant2	99.87	0.01	0.19
NVNT	ax40	5190	Ant1	99.9	0	0.1
NVNT	ax40	5230	Ant1	99.88	0.01	0.07
NVNT	ax40	5190	Ant2	99.85	0.01	0.1
NVNT	ax40	5230	Ant2	99.88	0.01	0.1
NVNT	ax80	5210	Ant1	99.78	0.01	0.19
NVNT	ax80	5210	Ant2	99.79	0.01	0.13

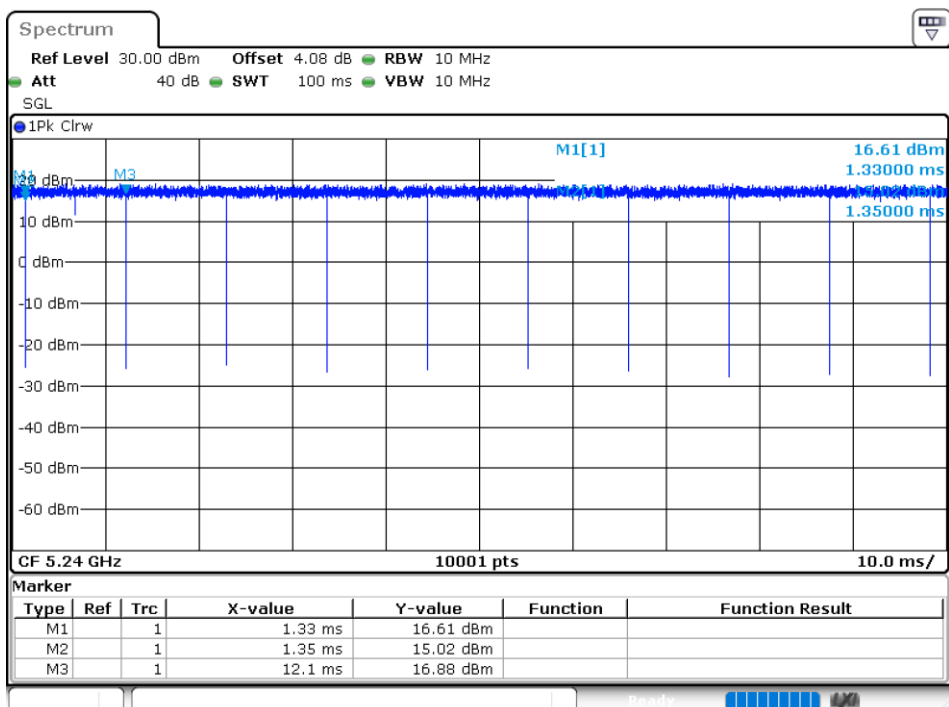


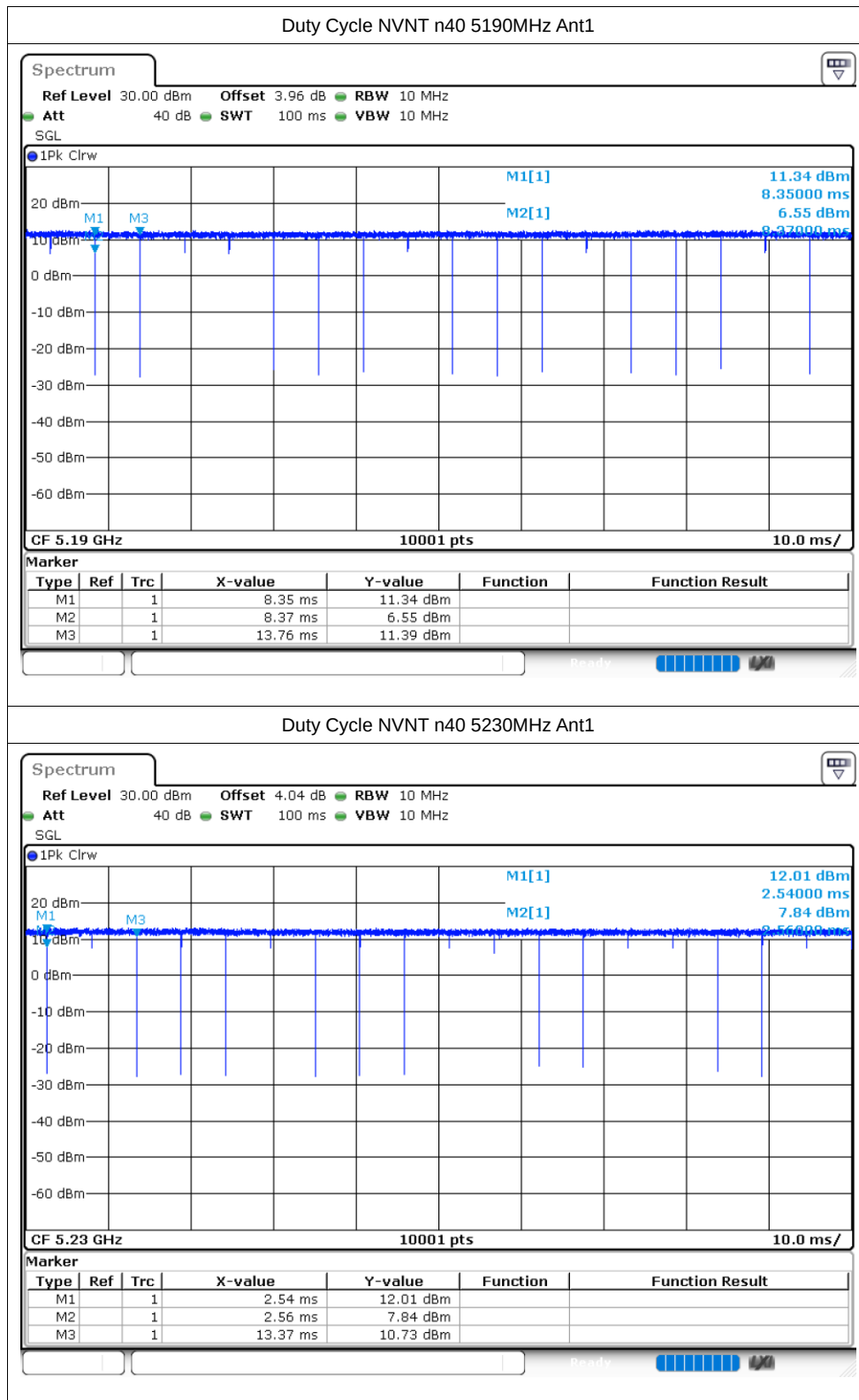


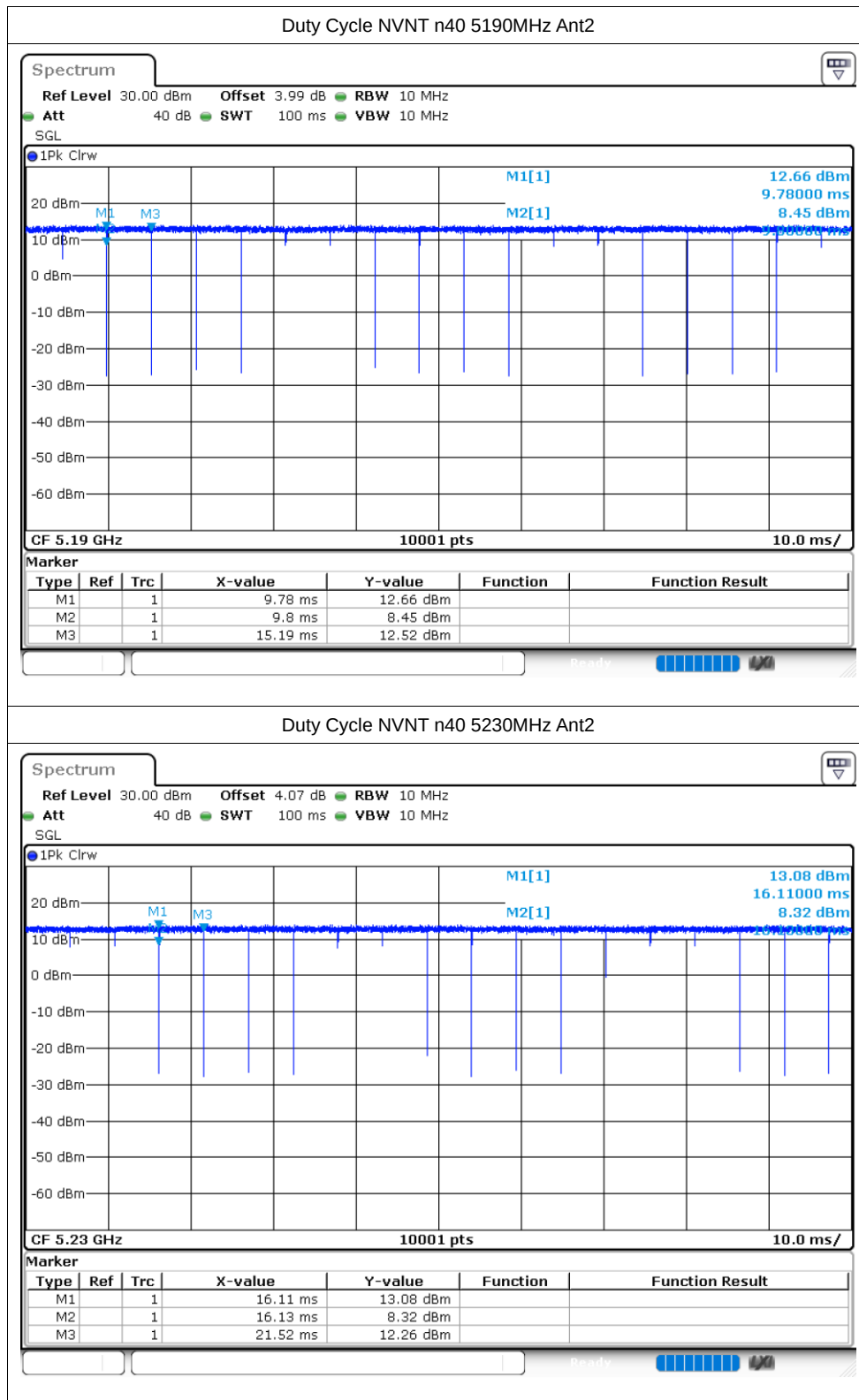
Duty Cycle NVNT n20 5200MHz Ant2

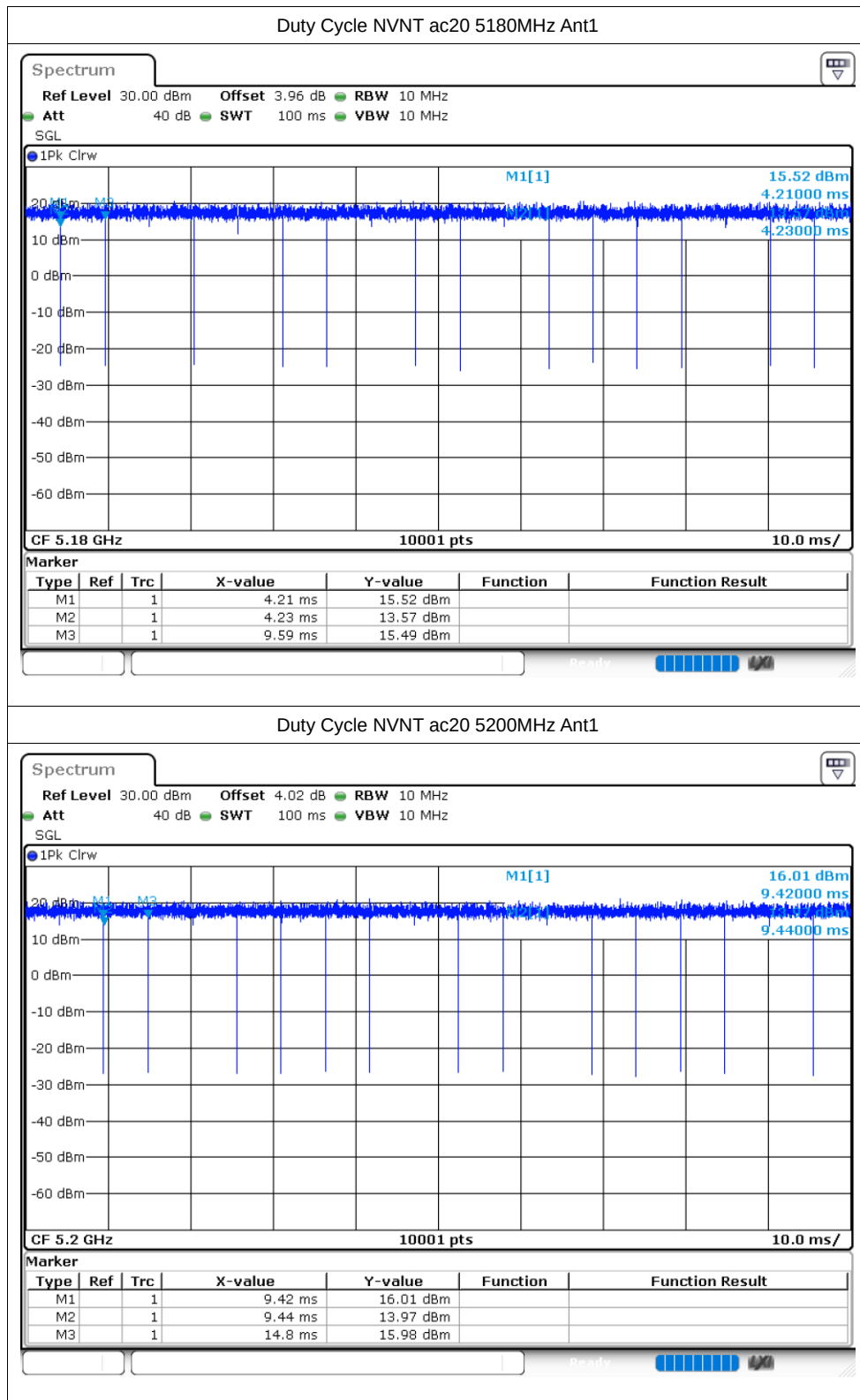


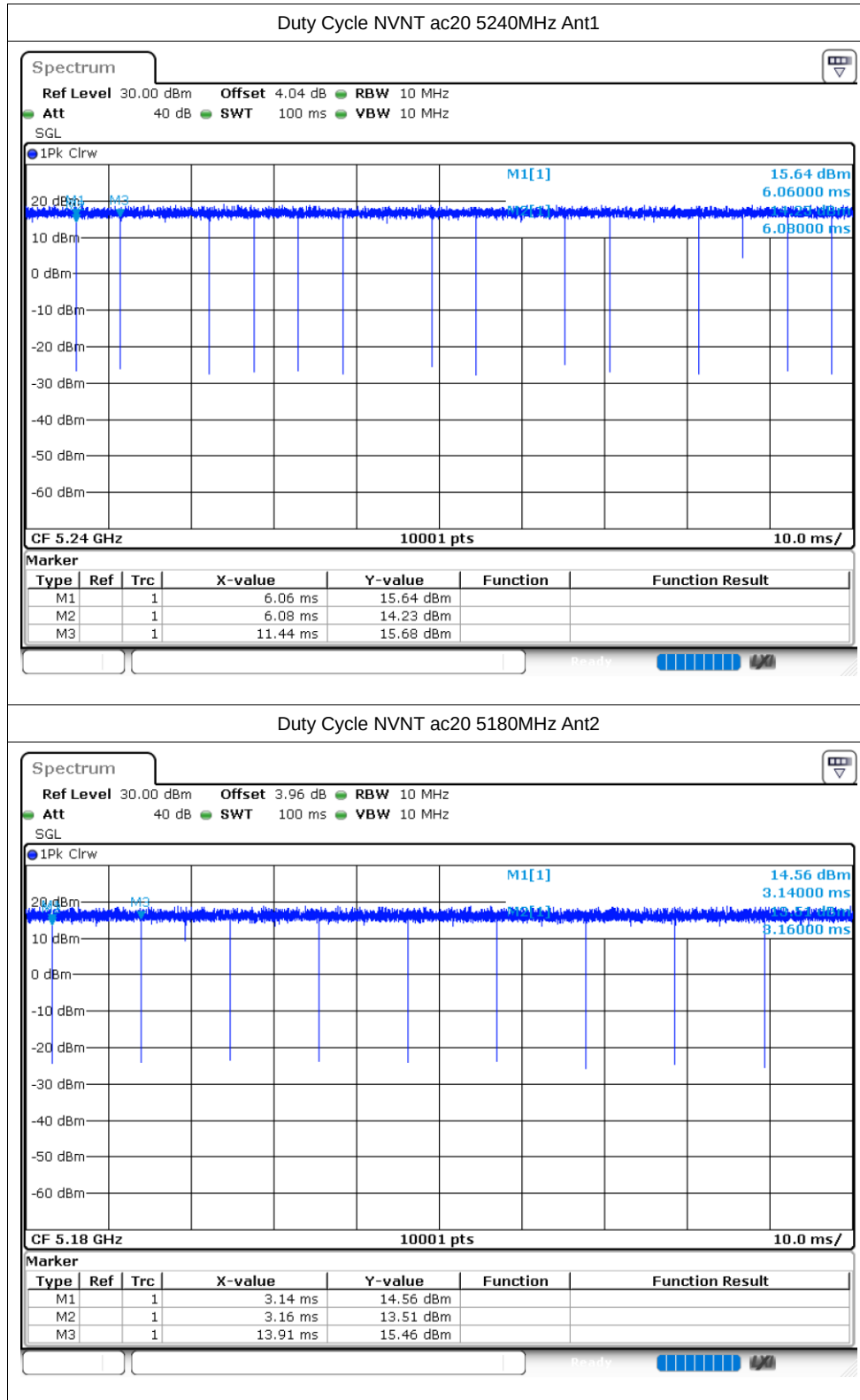
Duty Cycle NVNT n20 5240MHz Ant2

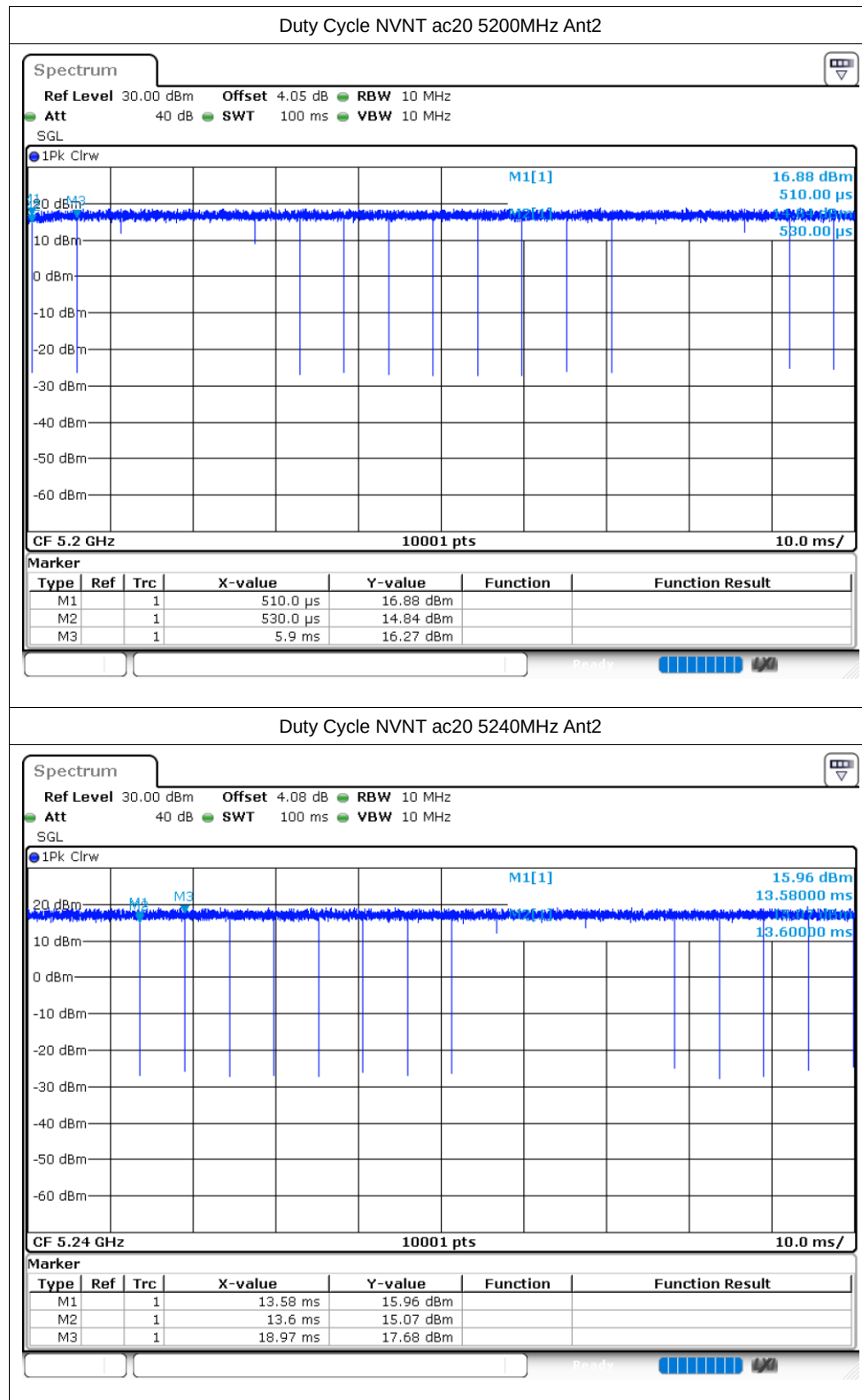


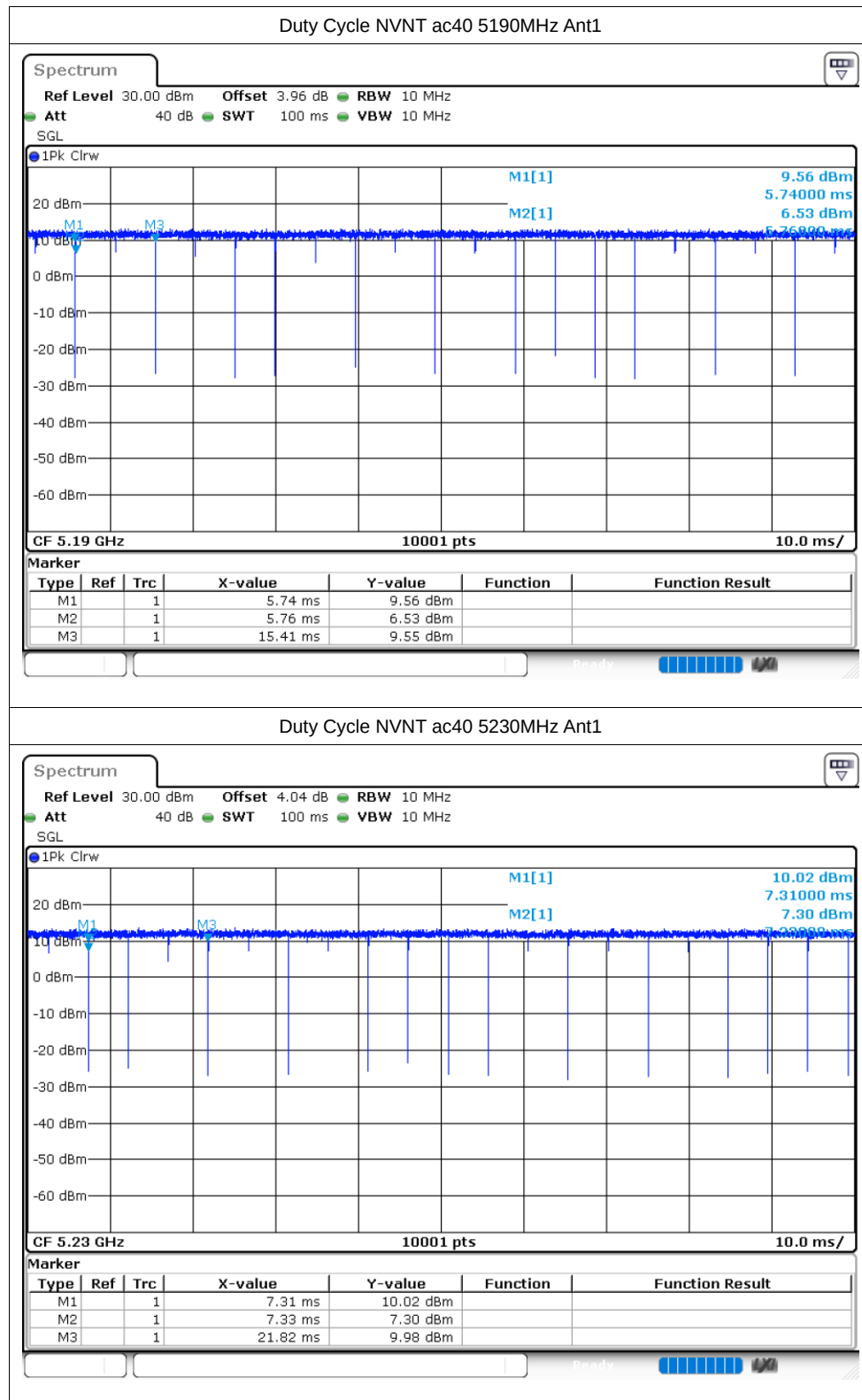




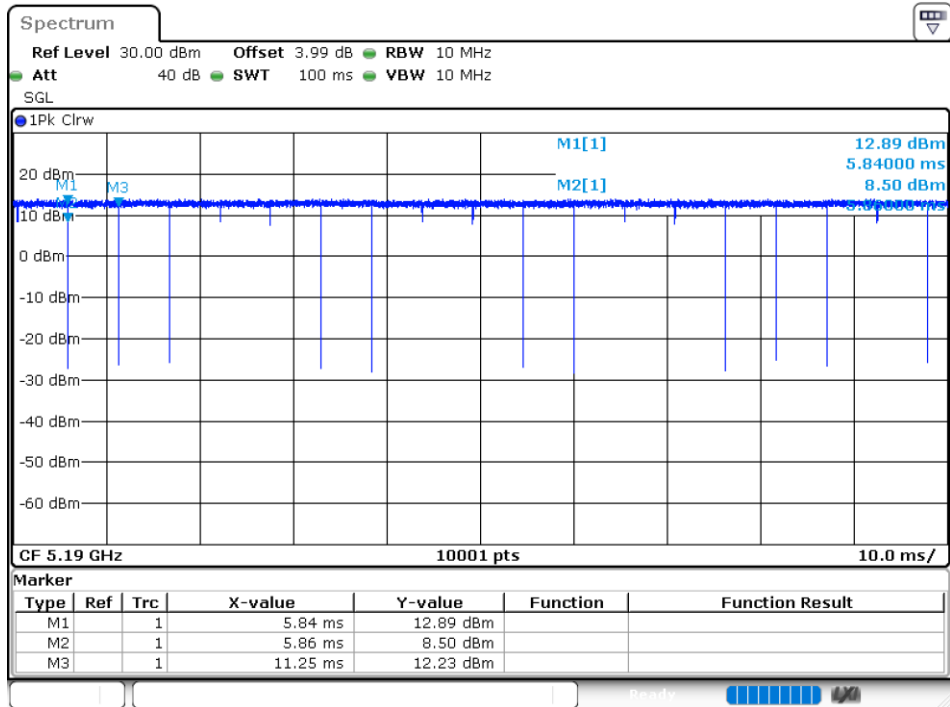




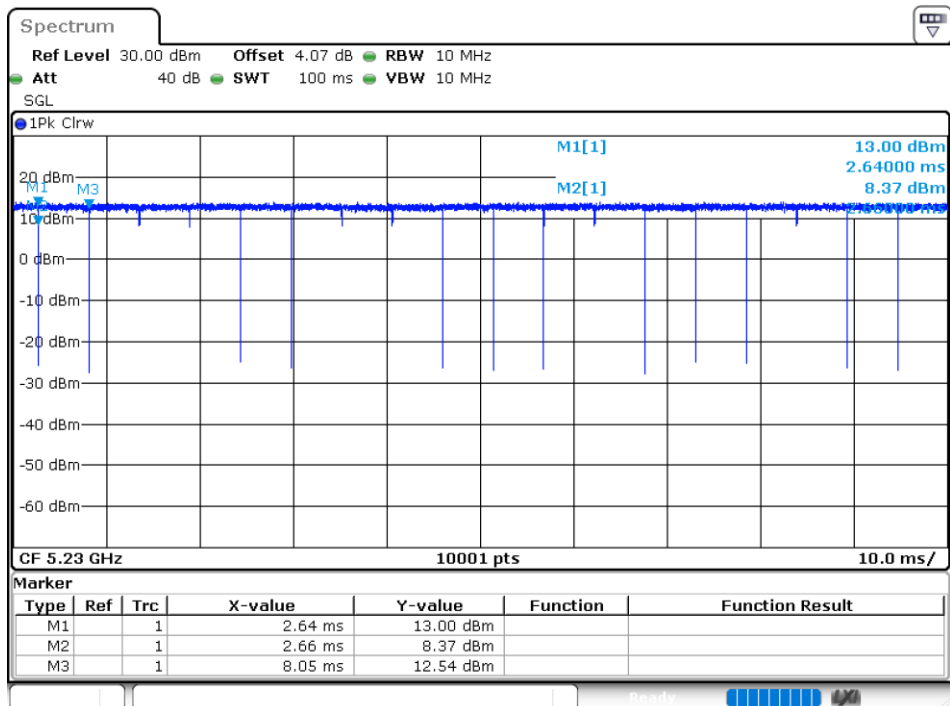


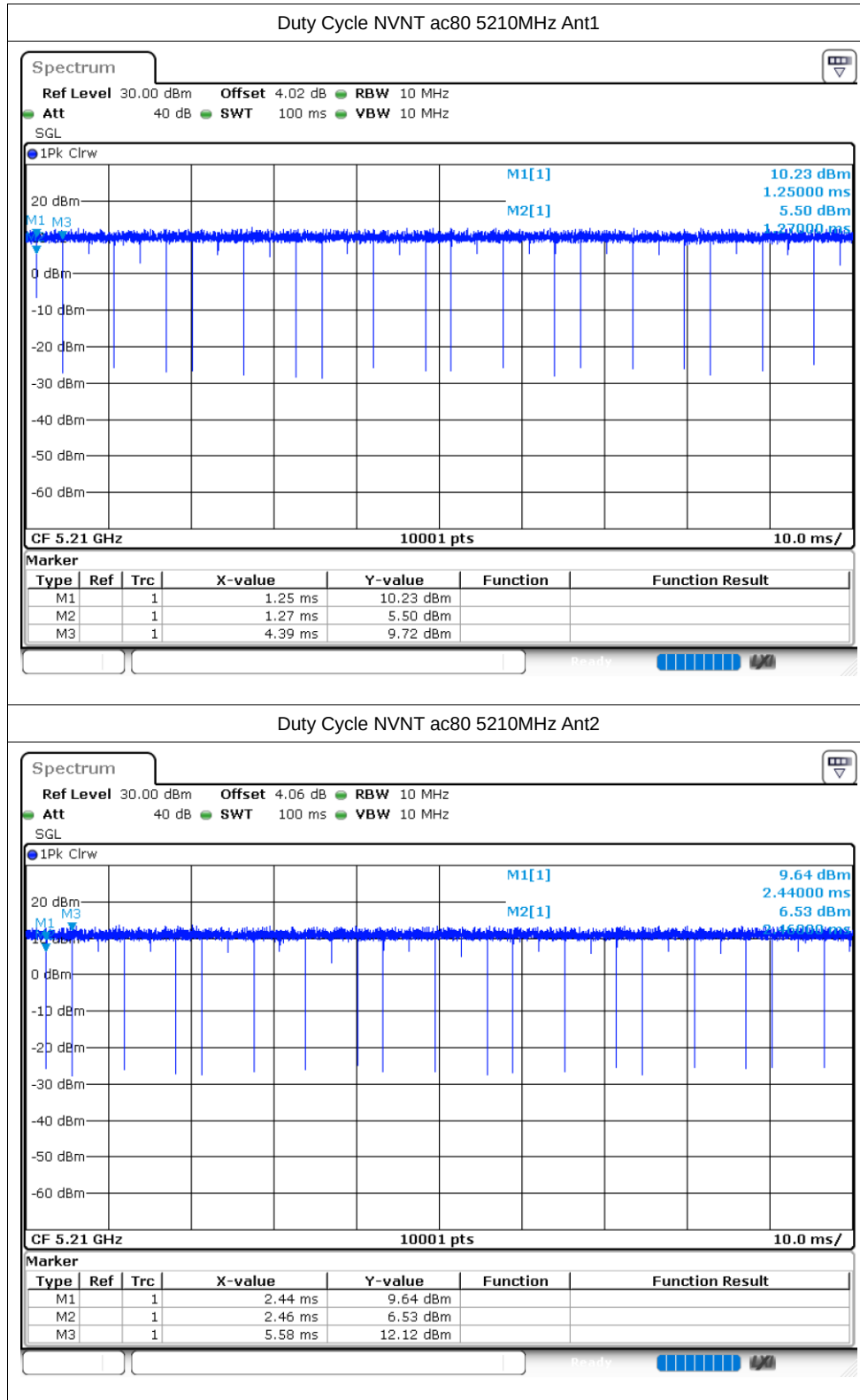


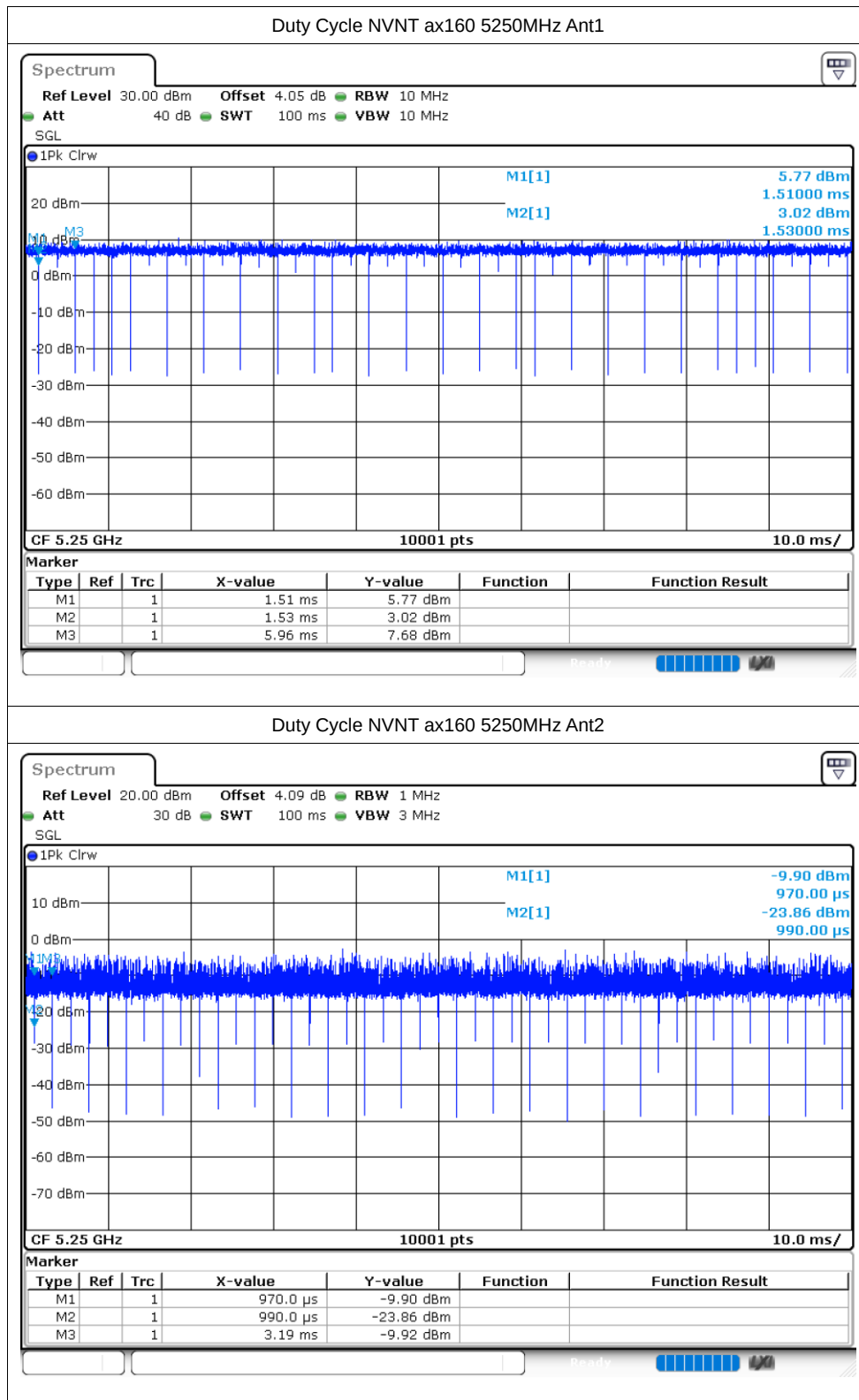
Duty Cycle NVNT ac40 5190MHz Ant2

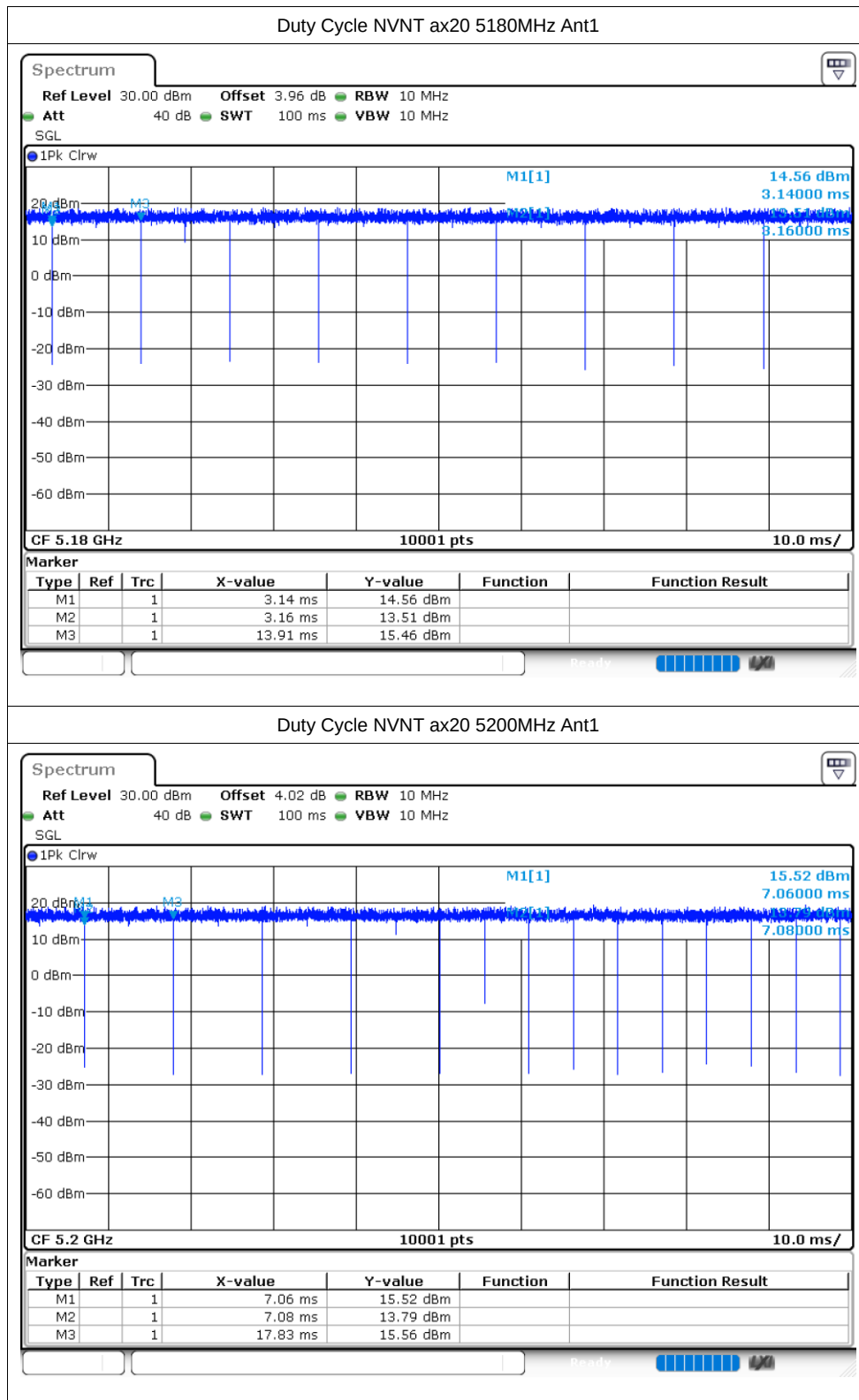


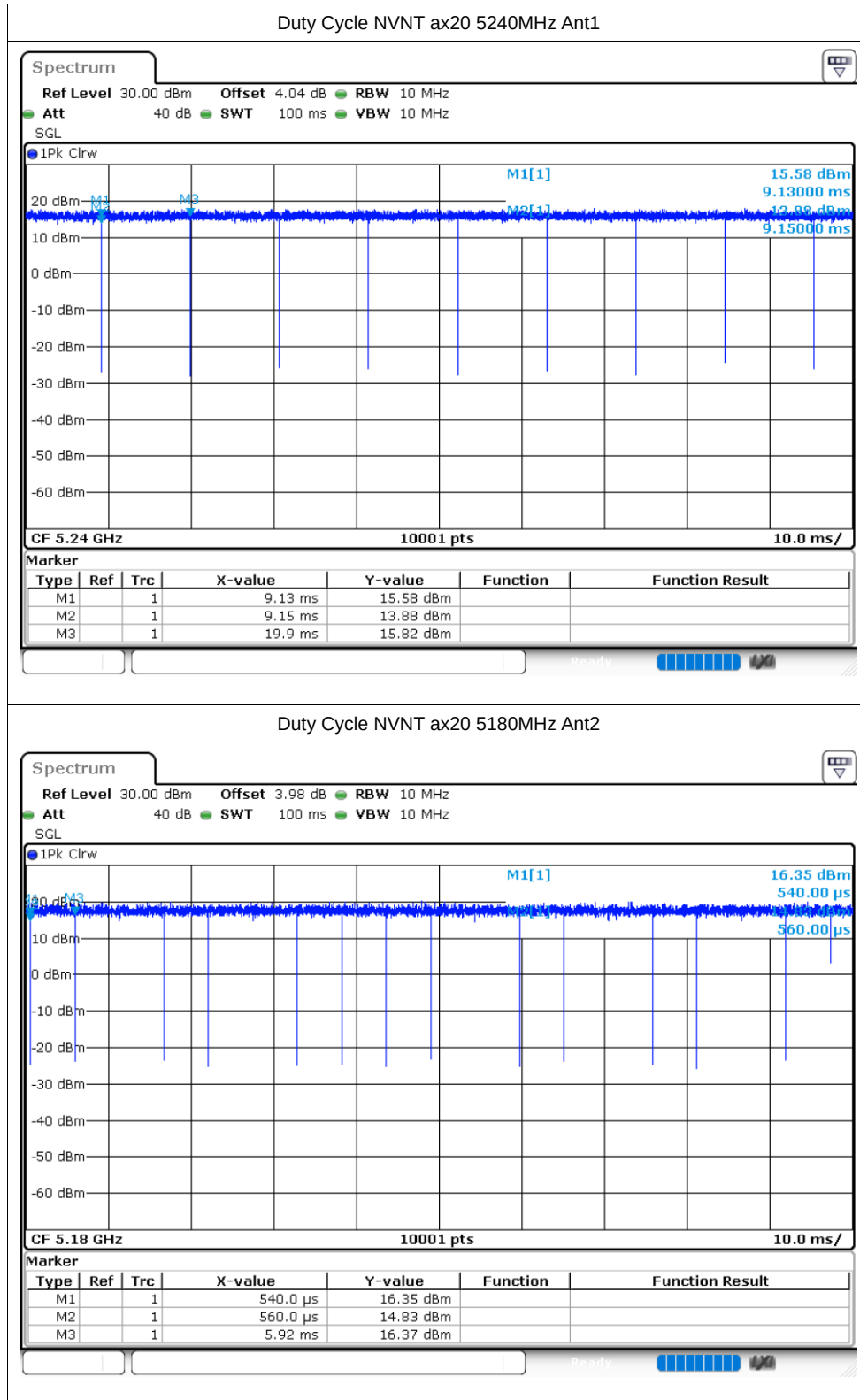
Duty Cycle NVNT ac40 5230MHz Ant2

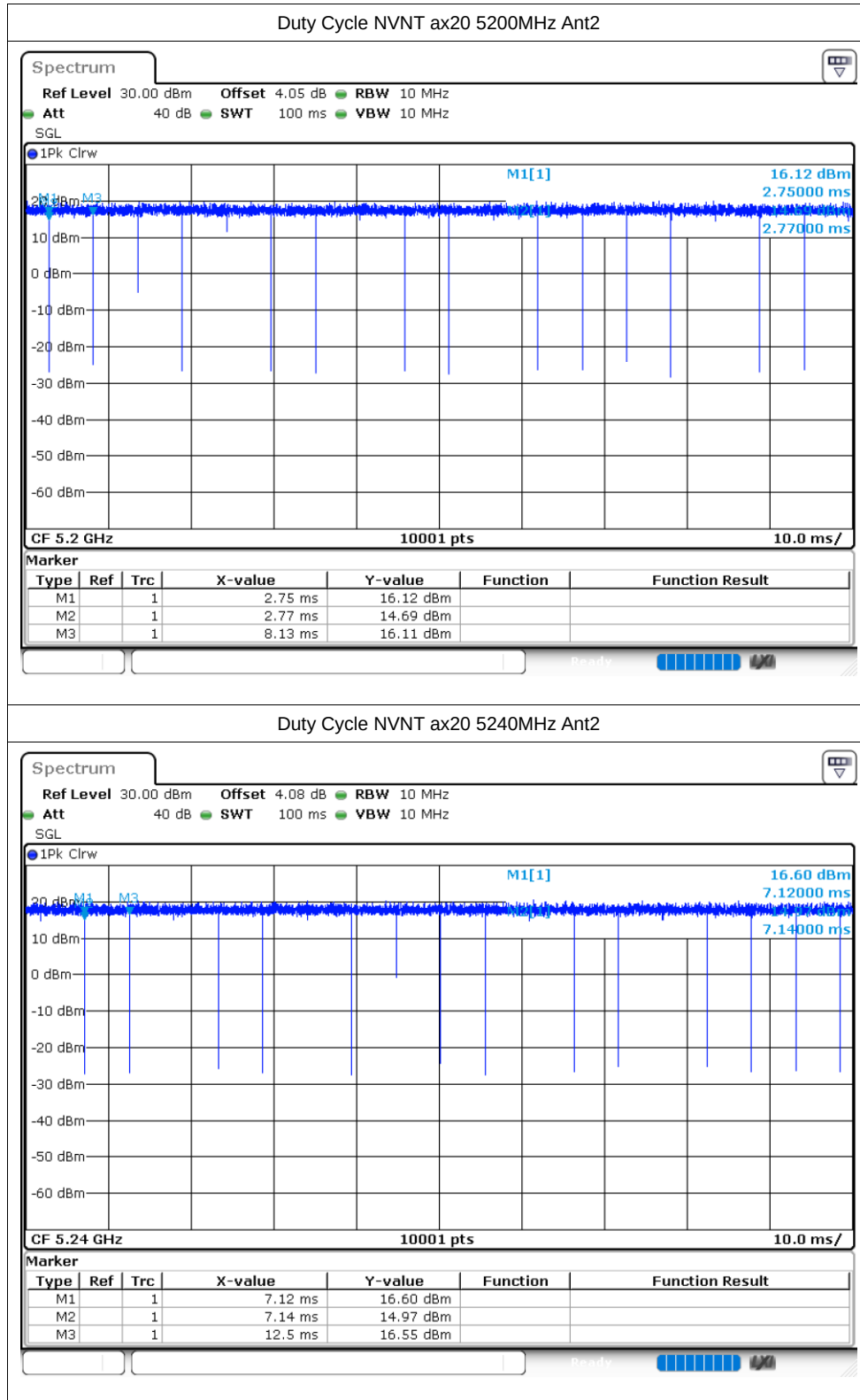


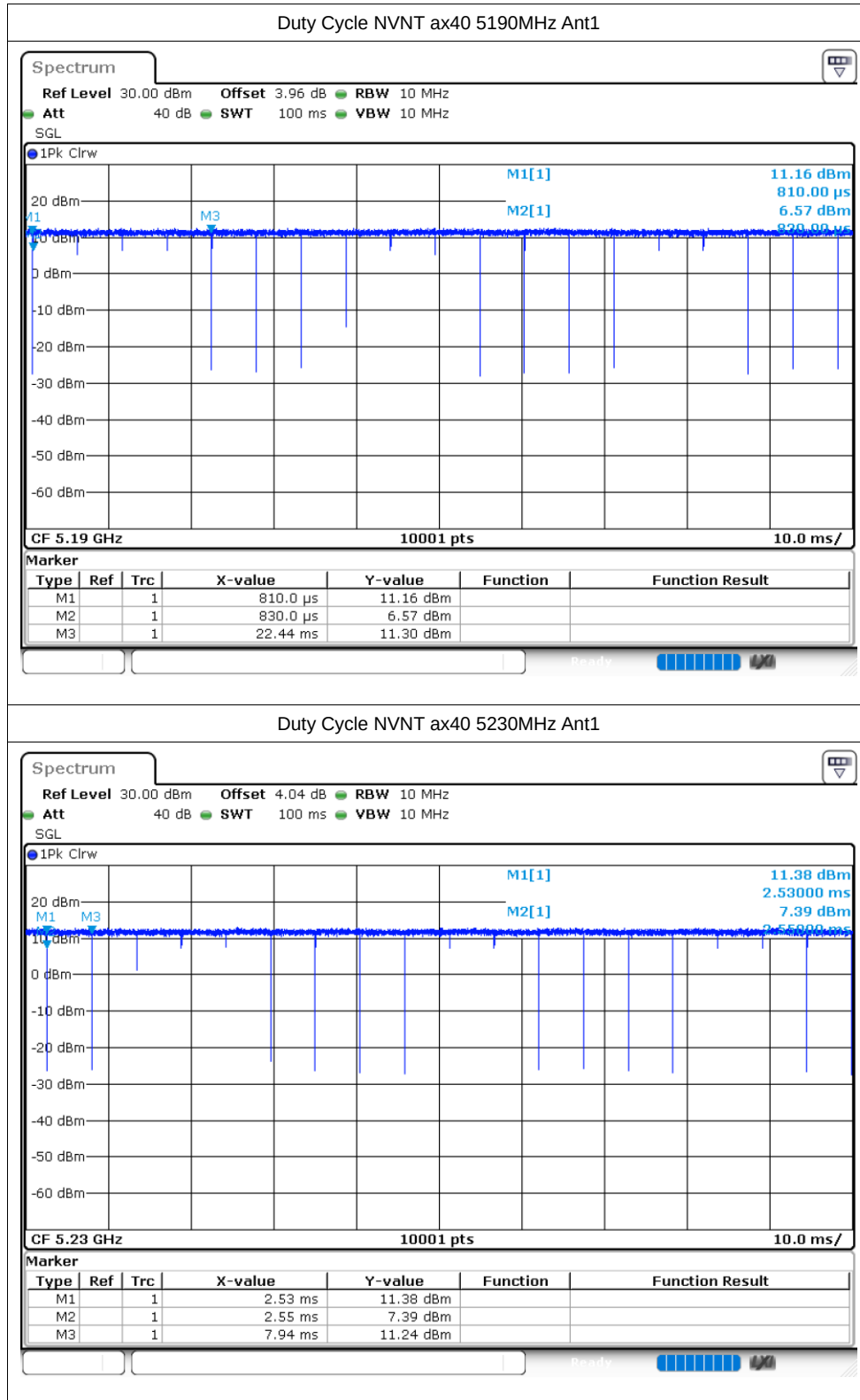




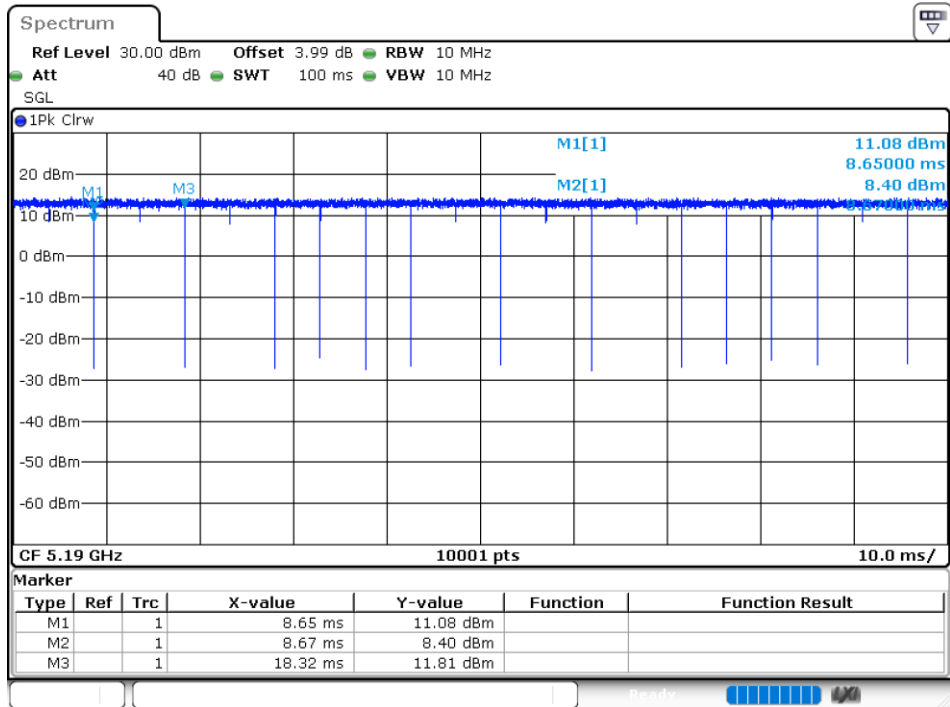




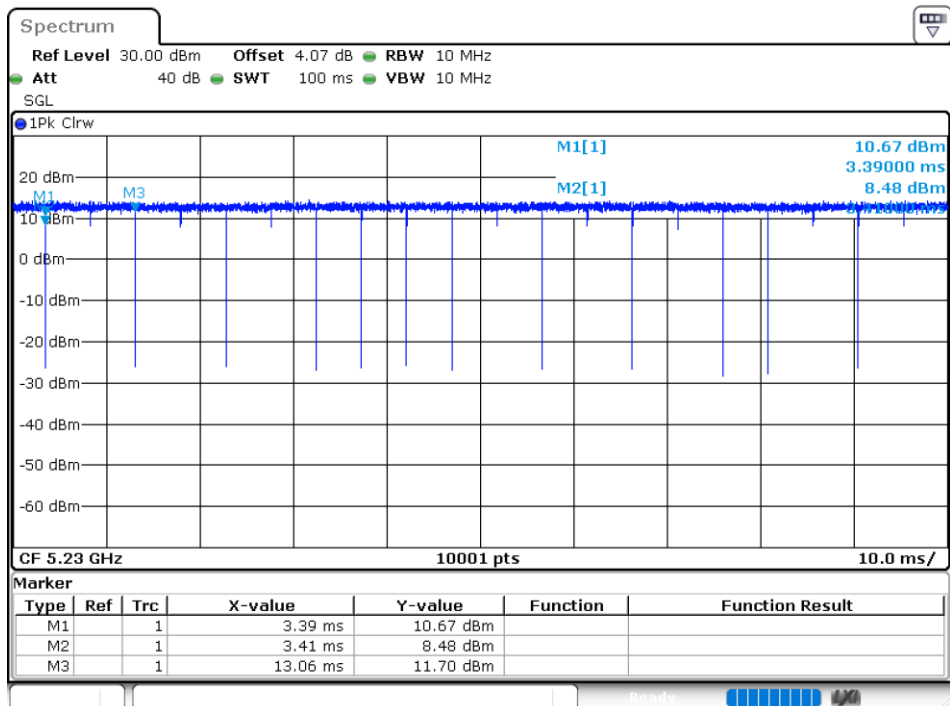


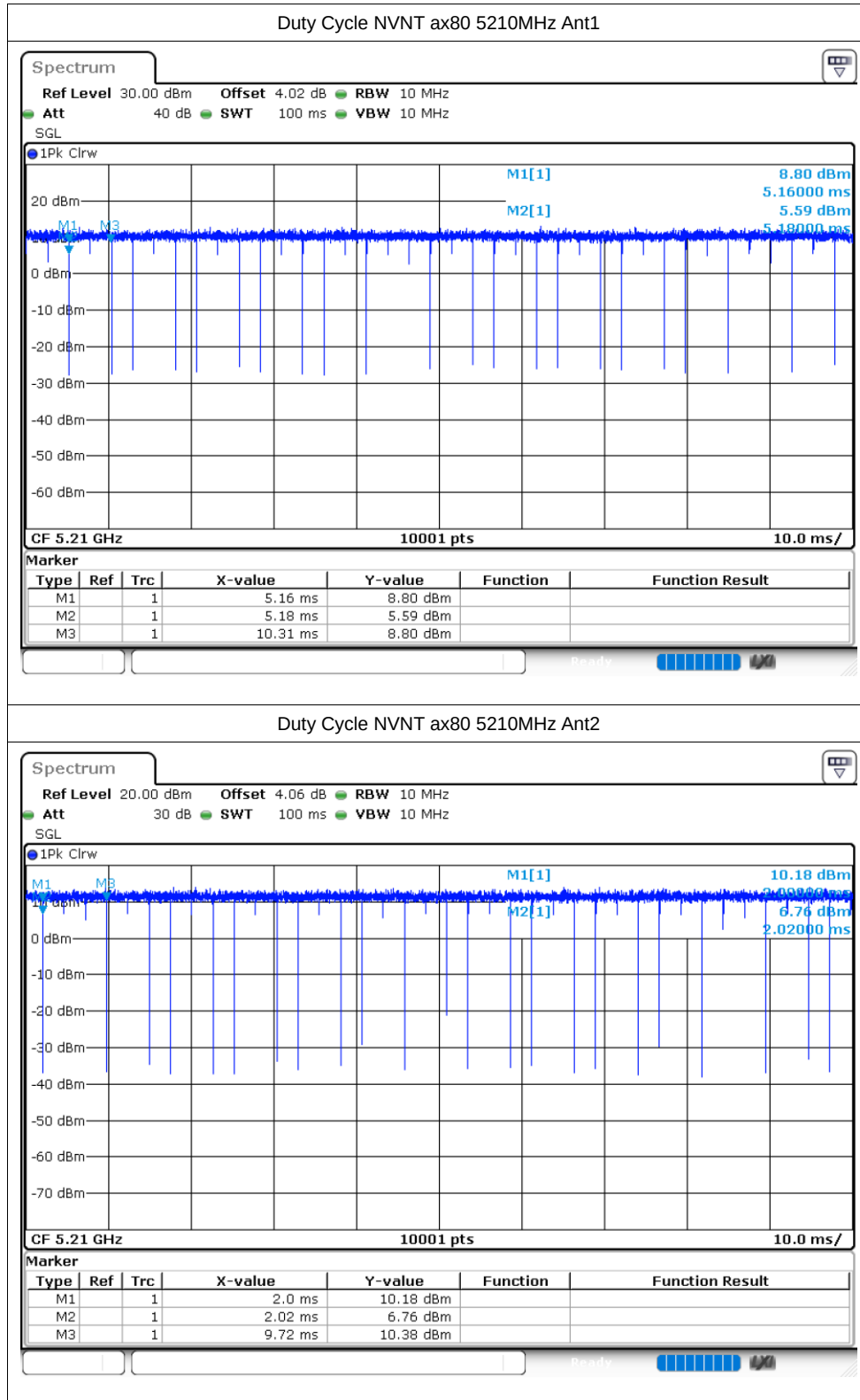


Duty Cycle NVNT ax40 5190MHz Ant2



Duty Cycle NVNT ax40 5230MHz Ant2





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	11.72	22.79	Pass
NVNT	ac20	5180	Ant2	12.91	22.79	Pass
NVNT	ac20	5180	Sum	15.37	22.79	Pass
NVNT	ac20	5200	Ant1	11.61	22.79	Pass
NVNT	ac20	5200	Ant2	13.16	22.79	Pass
NVNT	ac20	5200	Sum	15.46	22.79	Pass
NVNT	ac20	5240	Ant1	11.73	22.79	Pass
NVNT	ac20	5240	Ant2	12.76	22.79	Pass
NVNT	ac20	5240	Sum	15.29	22.79	Pass
NVNT	ac40	5190	Ant1	10.55	22.79	Pass
NVNT	ac40	5190	Ant2	11.63	22.79	Pass
NVNT	ac40	5190	Sum	14.13	22.79	Pass
NVNT	ac40	5230	Ant1	10.34	22.79	Pass
NVNT	ac40	5230	Ant2	11.28	22.79	Pass
NVNT	ac40	5230	Sum	13.85	22.79	Pass
NVNT	ac80	5210	Ant1	10.37	22.79	Pass
NVNT	ac80	5210	Ant2	11.23	22.79	Pass
NVNT	ac80	5210	Sum	13.83	22.79	Pass
NVNT	ax160	5250	Ant1	9.96	22.79	Pass
NVNT	ax160	5250	Ant2	10.79	22.79	Pass
NVNT	ax160	5250	Sum	13.41	22.79	Pass
NVNT	ax20	5180	Ant1	12.21	22.79	Pass
NVNT	ax20	5180	Ant2	13.04	22.79	Pass
NVNT	ax20	5180	Sum	15.66	22.79	Pass
NVNT	ax20	5200	Ant1	12.47	22.79	Pass
NVNT	ax20	5200	Ant2	13.29	22.79	Pass
NVNT	ax20	5200	Sum	15.91	22.79	Pass
NVNT	ax20	5240	Ant1	12.11	22.79	Pass
NVNT	ax20	5240	Ant2	13.32	22.79	Pass
NVNT	ax20	5240	Sum	15.77	22.79	Pass
NVNT	ax40	5190	Ant1	10.18	22.79	Pass
NVNT	ax40	5190	Ant2	11.26	22.79	Pass
NVNT	ax40	5190	Sum	13.76	22.79	Pass
NVNT	ax40	5230	Ant1	10.14	22.79	Pass
NVNT	ax40	5230	Ant2	11.3	22.79	Pass
NVNT	ax40	5230	Sum	13.77	22.79	Pass
NVNT	ax80	5210	Ant1	10.42	22.79	Pass
NVNT	ax80	5210	Ant2	11.27	22.79	Pass
NVNT	ax80	5210	Sum	13.88	22.79	Pass

NVNT	n20	5180	Ant1	11.99	22.79	Pass
NVNT	n20	5180	Ant2	13.23	22.79	Pass
NVNT	n20	5180	Sum	15.66	22.79	Pass
NVNT	n20	5200	Ant1	12.07	22.79	Pass
NVNT	n20	5200	Ant2	13.19	22.79	Pass
NVNT	n20	5200	Sum	15.68	22.79	Pass
NVNT	n20	5240	Ant1	12.06	22.79	Pass
NVNT	n20	5240	Ant2	12.88	22.79	Pass
NVNT	n20	5240	Sum	15.5	22.79	Pass
NVNT	n40	5190	Ant1	10.28	22.79	Pass
NVNT	n40	5190	Ant2	11.76	22.79	Pass
NVNT	n40	5190	Sum	14.09	22.79	Pass
NVNT	n40	5230	Ant1	10.49	22.79	Pass
NVNT	n40	5230	Ant2	11.89	22.79	Pass
NVNT	n40	5230	Sum	14.26	22.79	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5180	Ant1	20.205	Pass
NVNT	ac20	5180	Ant2	20.07	Pass
NVNT	ac20	5200	Ant1	20.016	Pass
NVNT	ac20	5200	Ant2	19.95	Pass
NVNT	ac20	5240	Ant1	19.83	Pass
NVNT	ac20	5240	Ant2	20.196	Pass
NVNT	ac40	5190	Ant1	40.566	Pass
NVNT	ac40	5190	Ant2	39.588	Pass
NVNT	ac40	5230	Ant1	39.624	Pass
NVNT	ac40	5230	Ant2	40.026	Pass
NVNT	ac80	5210	Ant1	81.552	Pass
NVNT	ac80	5210	Ant2	80.736	Pass
NVNT	ax160	5250	Ant1	165.168	Pass
NVNT	ax160	5250	Ant2	164.112	Pass
NVNT	ax20	5180	Ant1	23.625	Pass
NVNT	ax20	5180	Ant2	20.925	Pass
NVNT	ax20	5200	Ant1	21.084	Pass
NVNT	ax20	5200	Ant2	20.325	Pass
NVNT	ax20	5240	Ant1	20.349	Pass
NVNT	ax20	5240	Ant2	20.367	Pass
NVNT	ax40	5190	Ant1	40.212	Pass
NVNT	ax40	5190	Ant2	40.476	Pass
NVNT	ax40	5230	Ant1	40.698	Pass
NVNT	ax40	5230	Ant2	40.428	Pass
NVNT	ax80	5210	Ant1	81.192	Pass
NVNT	ax80	5210	Ant2	81.852	Pass
NVNT	n20	5180	Ant1	23.994	Pass
NVNT	n20	5180	Ant2	20.253	Pass
NVNT	n20	5200	Ant1	20.1	Pass
NVNT	n20	5200	Ant2	20.076	Pass
NVNT	n20	5240	Ant1	19.914	Pass
NVNT	n20	5240	Ant2	20.67	Pass
NVNT	n40	5190	Ant1	40.488	Pass
NVNT	n40	5190	Ant2	39.822	Pass
NVNT	n40	5230	Ant1	39.828	Pass
NVNT	n40	5230	Ant2	39.78	Pass

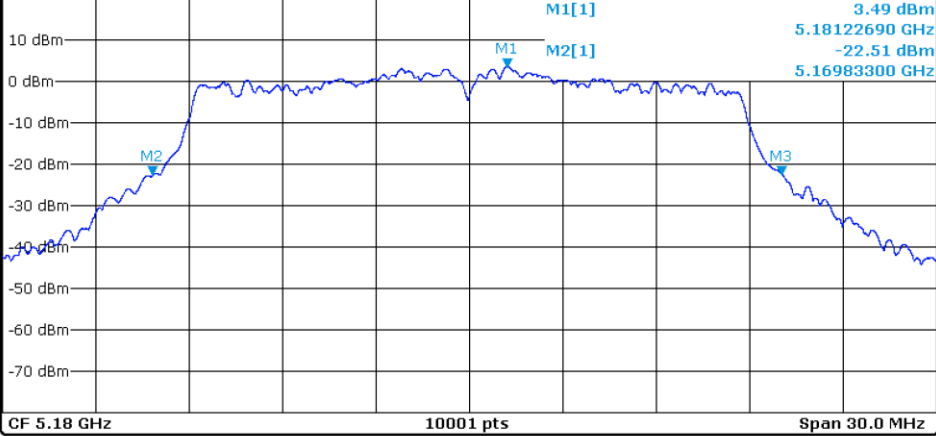
Test Graphs

-26dB Bandwidth NVNT ac20 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

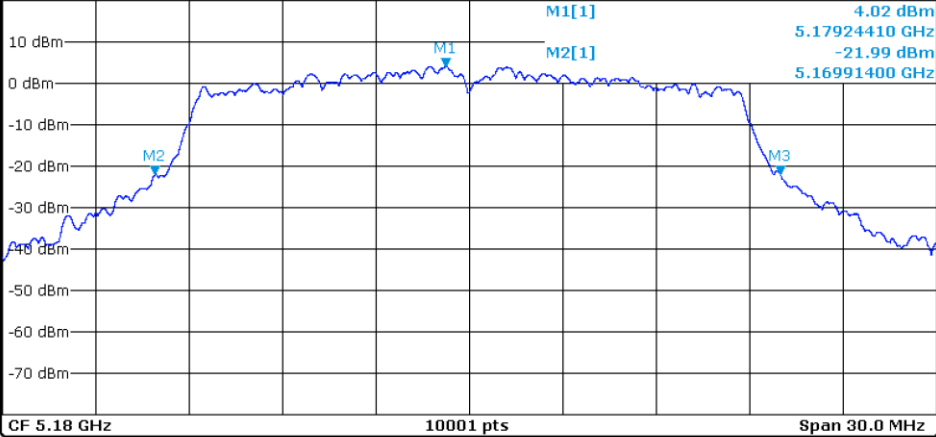
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1812269 GHz	3.49 dBm		
M2	1		5.169833 GHz	-22.51 dBm		
M3	1		5.190038 GHz	-22.53 dBm		

-26dB Bandwidth NVNT ac20 5180MHz Ant2

Spectrum

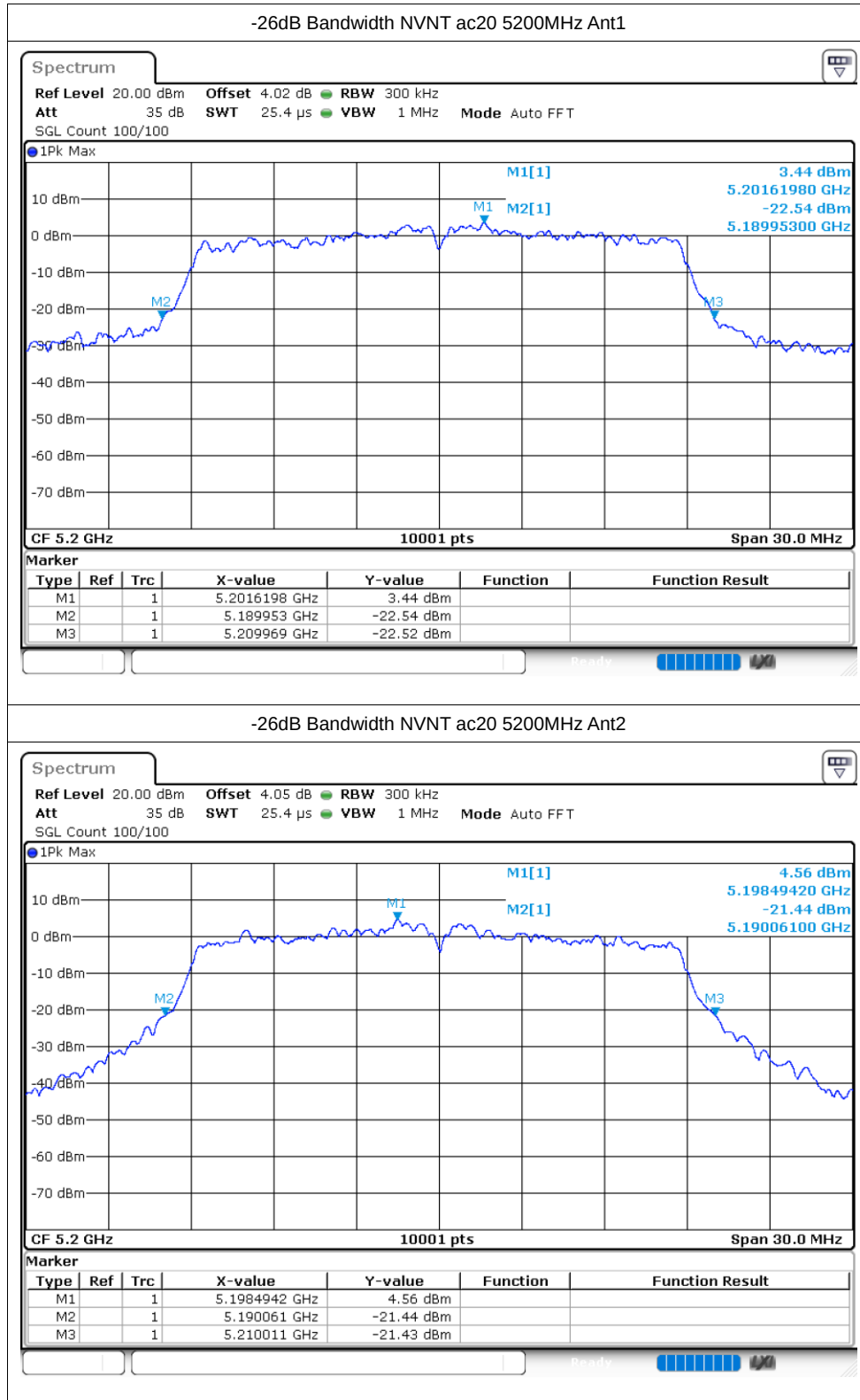
Ref Level 20.00 dBm Offset 3.98 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1792441 GHz	4.02 dBm		
M2	1		5.169914 GHz	-21.99 dBm		
M3	1		5.189984 GHz	-21.98 dBm		

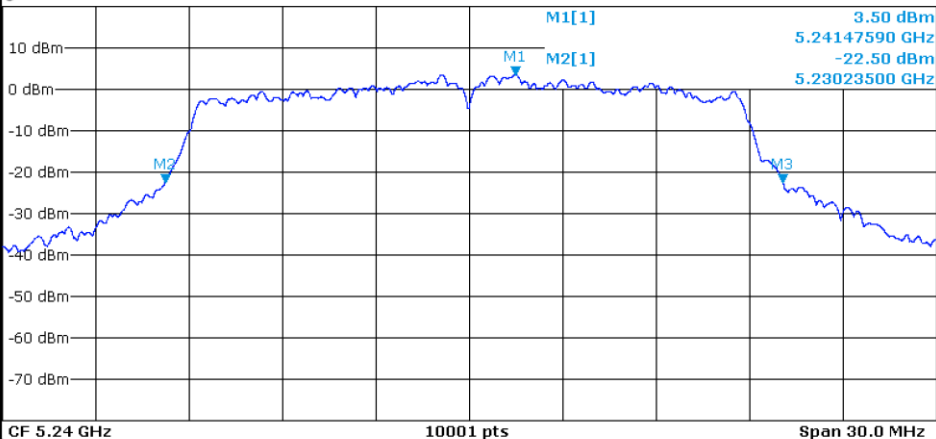


-26dB Bandwidth NVNT ac20 5240MHz Ant1

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

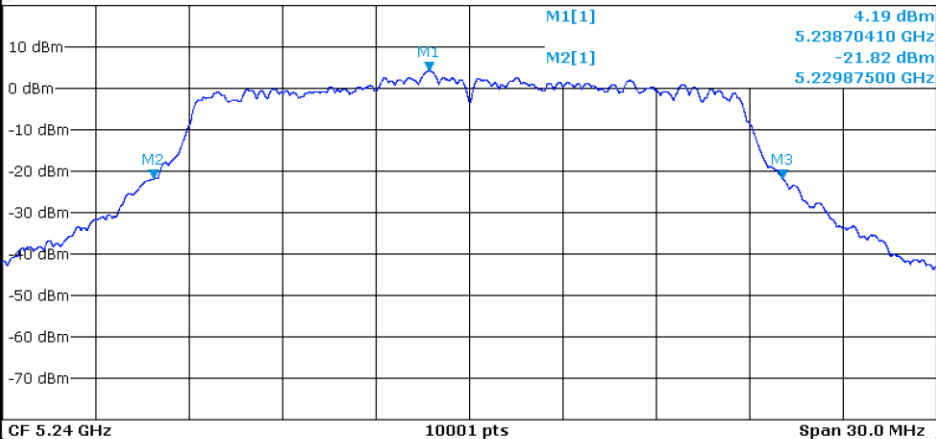
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2414759 GHz	3.50 dBm		
M2		1	5.230235 GHz	-22.50 dBm		
M3		1	5.250065 GHz	-22.48 dBm		

-26dB Bandwidth NVNT ac20 5240MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.08 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

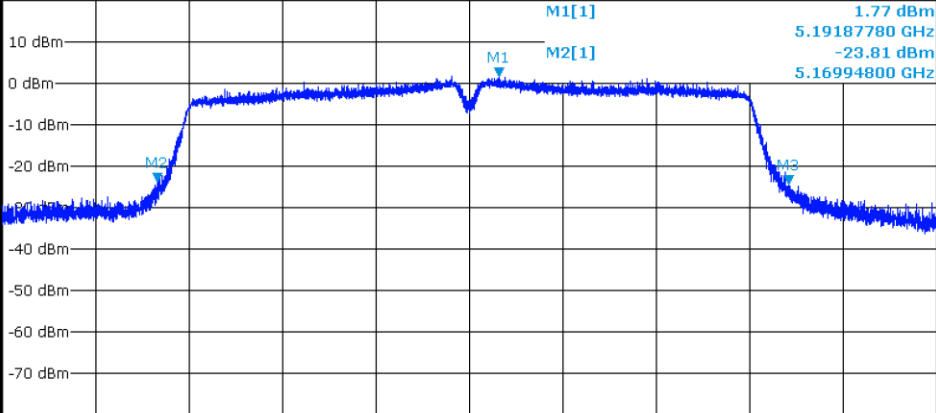
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2387041 GHz	4.19 dBm		
M2		1	5.229875 GHz	-21.82 dBm		
M3		1	5.250071 GHz	-21.81 dBm		

-26dB Bandwidth NVNT ac40 5190MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.96 dB RBW 500 kHz
Att 35 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



CF 5.19 GHz 10001 pts Span 60.0 MHz

Marker

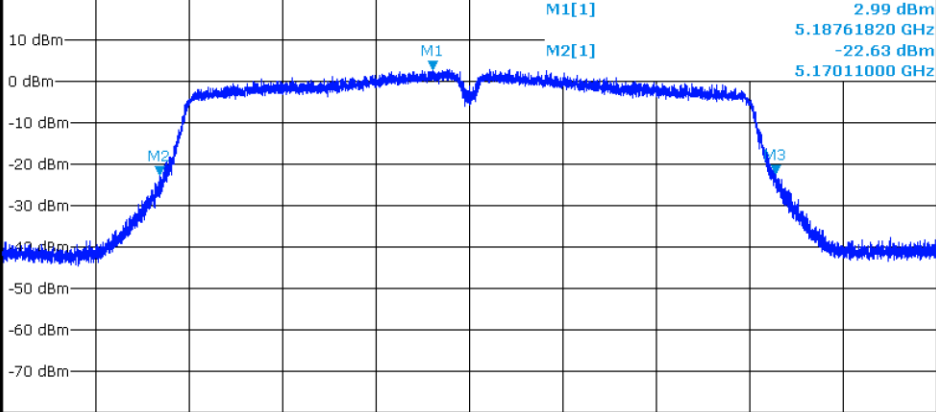
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1918778 GHz	1.77 dBm		
M2		1	5.169948 GHz	-23.81 dBm		
M3		1	5.210514 GHz	-24.20 dBm		

-26dB Bandwidth NVNT ac40 5190MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 3.99 dB RBW 500 kHz
Att 35 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

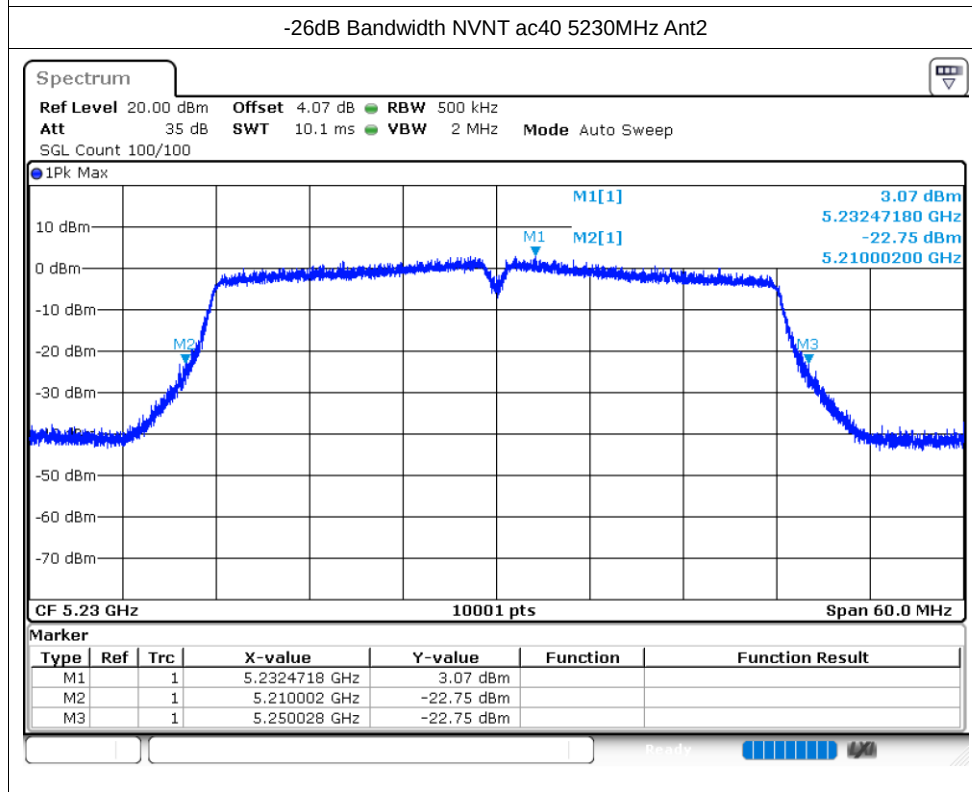
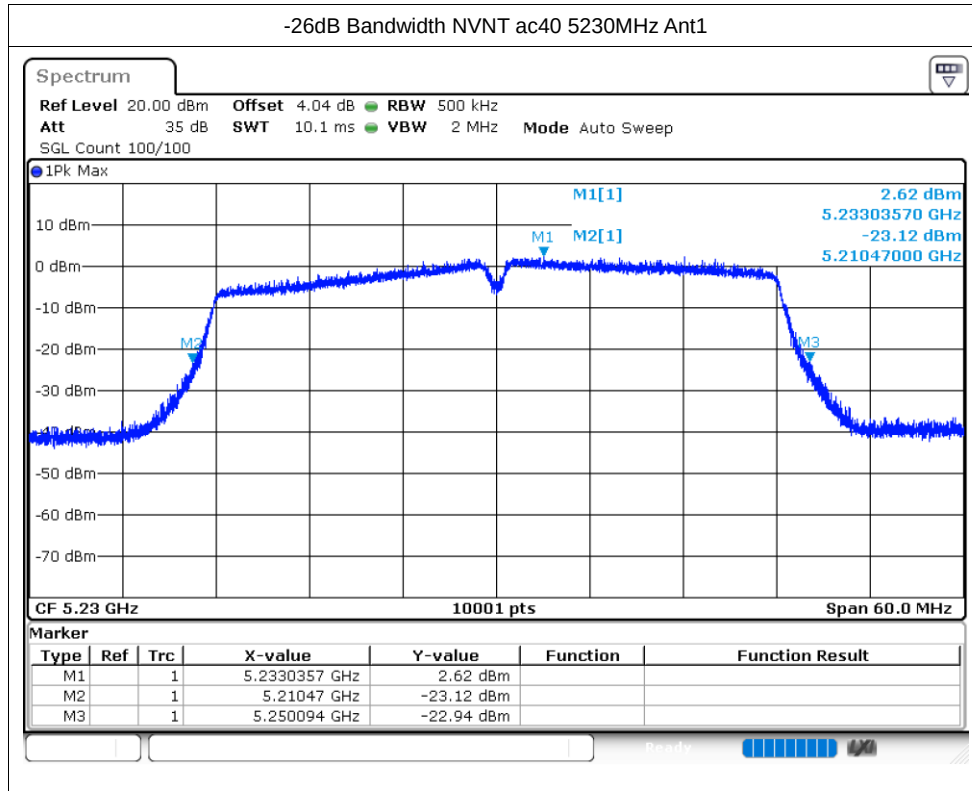
1Pk Max



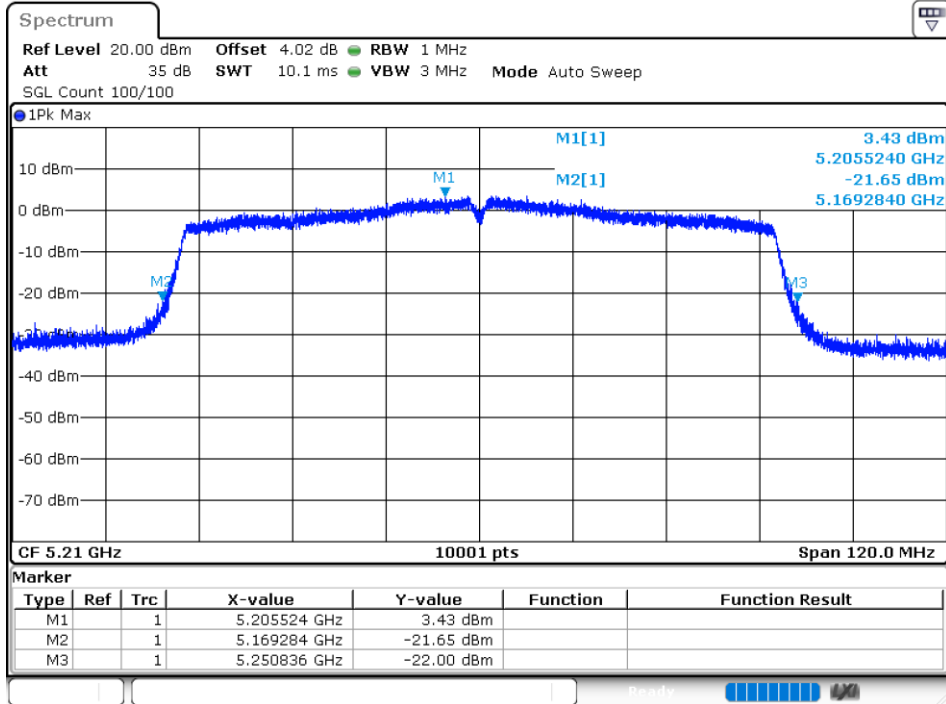
CF 5.19 GHz 10001 pts Span 60.0 MHz

Marker

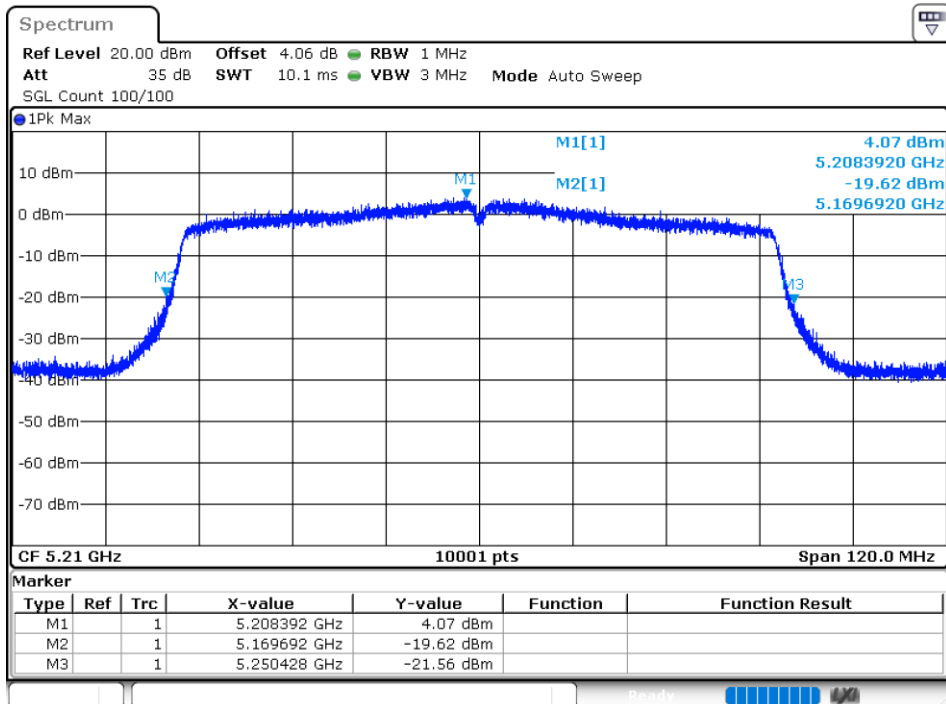
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1876182 GHz	2.99 dBm		
M2		1	5.17011 GHz	-22.63 dBm		
M3		1	5.209698 GHz	-22.17 dBm		



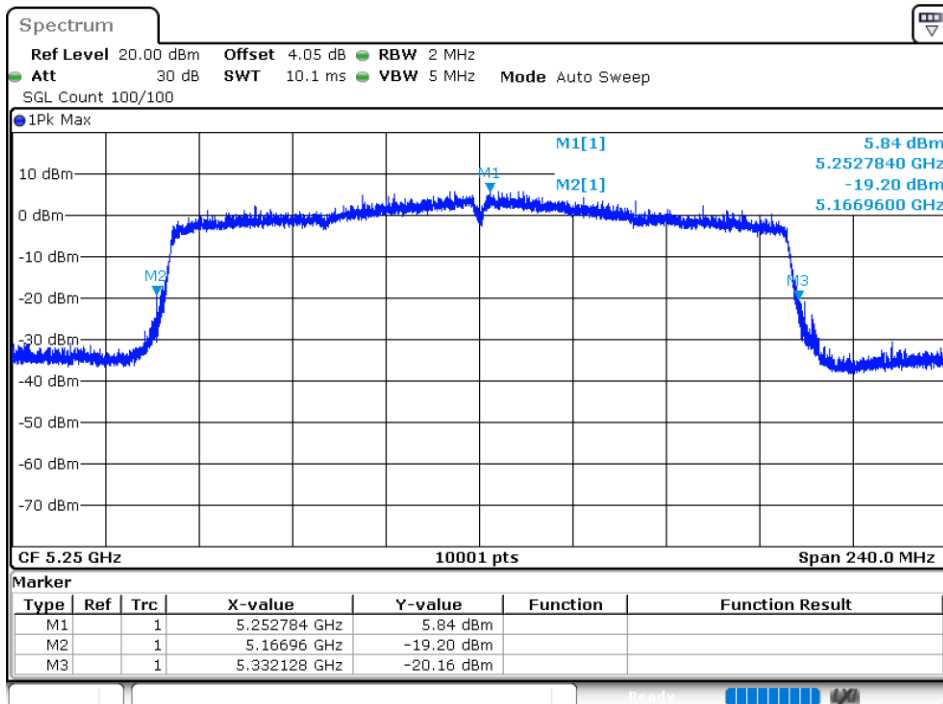
-26dB Bandwidth NVNT ac80 5210MHz Ant1



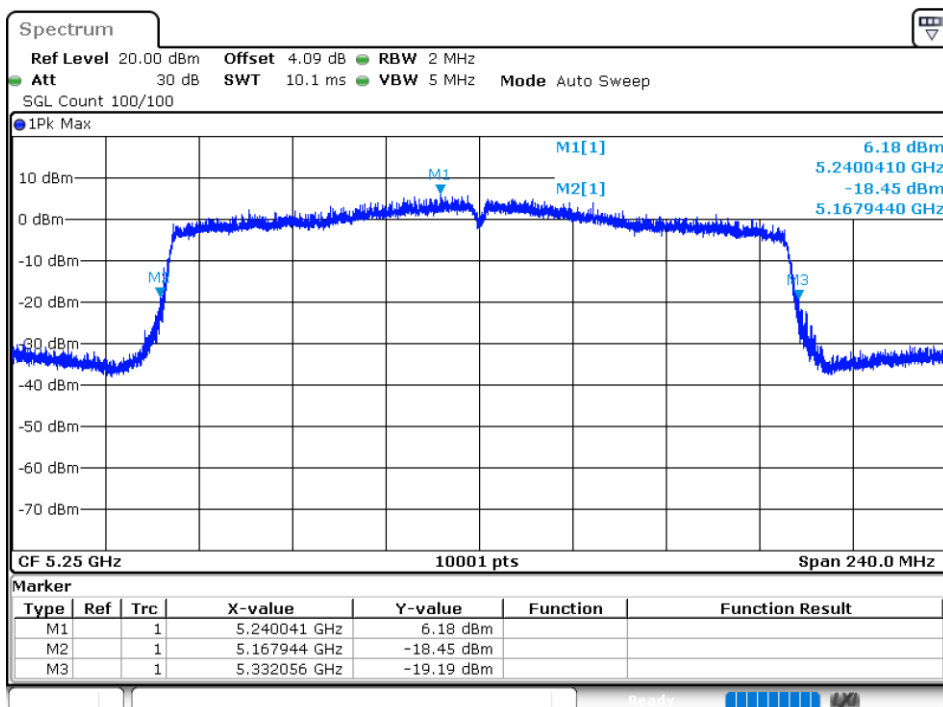
-26dB Bandwidth NVNT ac80 5210MHz Ant2



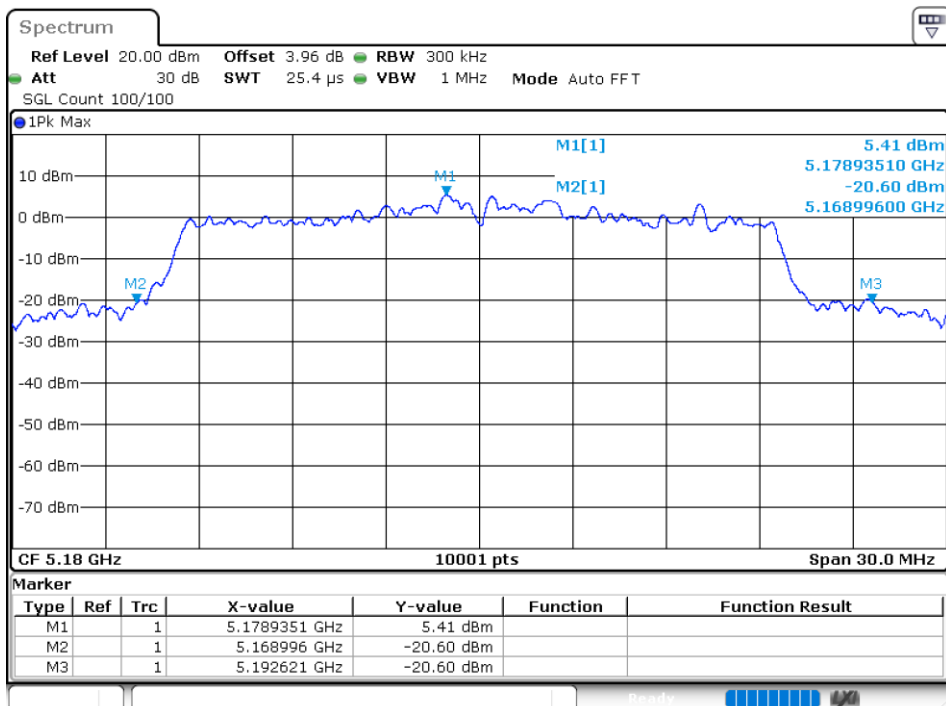
-26dB Bandwidth NVNT ax160 5250MHz Ant1



-26dB Bandwidth NVNT ax160 5250MHz Ant2



-26dB Bandwidth NVNT ax20 5180MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant2

