

WIFI 5.2G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	99.88	0.01	0.51
NVNT	a	5200	Ant1	99.88	0.01	0.51
NVNT	a	5240	Ant1	99.88	0.01	0.51
NVNT	a	5180	Ant2	99.88	0.01	0.51
NVNT	a	5200	Ant2	99.88	0.01	0.51
NVNT	a	5240	Ant2	99.88	0.01	0.51
NVNT	n20	5180	Ant1	99.88	0.01	0.19
NVNT	n20	5200	Ant1	99.88	0.01	0.18
NVNT	n20	5240	Ant1	99.88	0.01	0.09
NVNT	n20	5180	Ant2	99.88	0.01	0.09
NVNT	n20	5200	Ant2	99.88	0.01	0.09
NVNT	n20	5240	Ant2	99.88	0.01	0.09
NVNT	n40	5190	Ant1	99.87	0.01	0.06
NVNT	n40	5230	Ant1	99.87	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	99.87	0.01	0.19
NVNT	ac20	5240	Ant1	99.87	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	99.88	0.01	0.19
NVNT	ac40	5190	Ant2	99.88	0.01	0.19
NVNT	ac40	5230	Ant2	99.88	0.01	0.19
NVNT	ac80	5210	Ant1	99.81	0.01	0.16
NVNT	ac80	5210	Ant2	99.81	0.01	0.32
NVNT	ax160	5250	Ant1	99.75	0.01	0.23
NVNT	ax160	5250	Ant2	99.4	0.01	0.45
NVNT	ax20	5180	Ant1	99.87	0.01	0.09
NVNT	ax20	5200	Ant1	99.88	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	99.87	0.01	0.19
NVNT	ax20	5240	Ant2	99.87	0.01	0.19

NVNT	ax40	5190	Ant1	99.86	0.01	0.1
NVNT	ax40	5230	Ant1	99.87	0.01	0.21
NVNT	ax40	5190	Ant2	99.87	0.01	0.1
NVNT	ax40	5230	Ant2	99.88	0.01	0.1
NVNT	ax80	5210	Ant1	99.77	0.01	0.4
NVNT	ax80	5210	Ant2	99.77	0.01	0.13

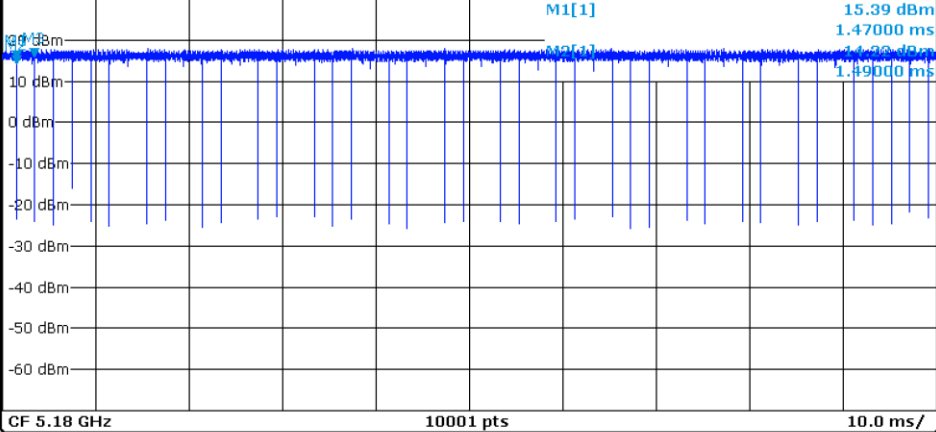
Test Graphs

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

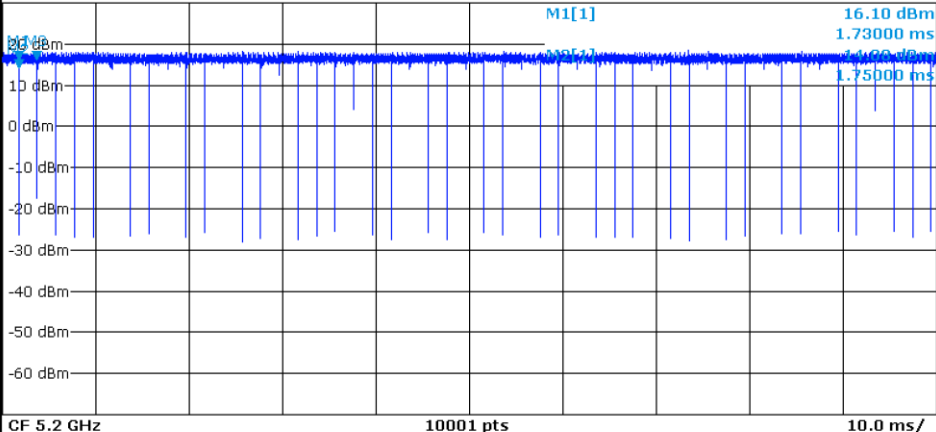
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.47 ms	15.39 dBm		
M2		1	1.49 ms	14.22 dBm		
M3		1	3.46 ms	16.03 dBm		

Duty Cycle NVNT a 5200MHz Ant1

Spectrum

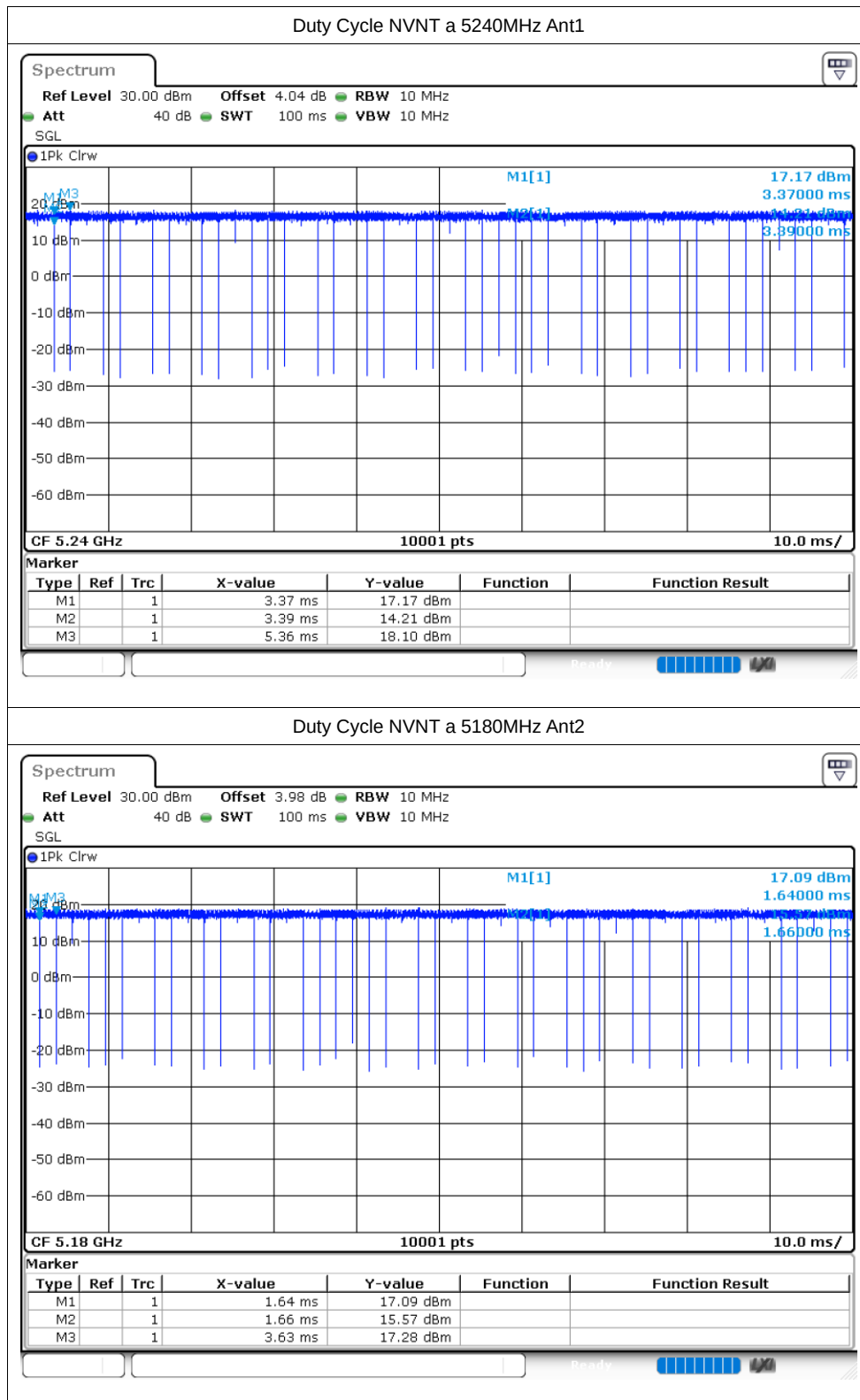
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

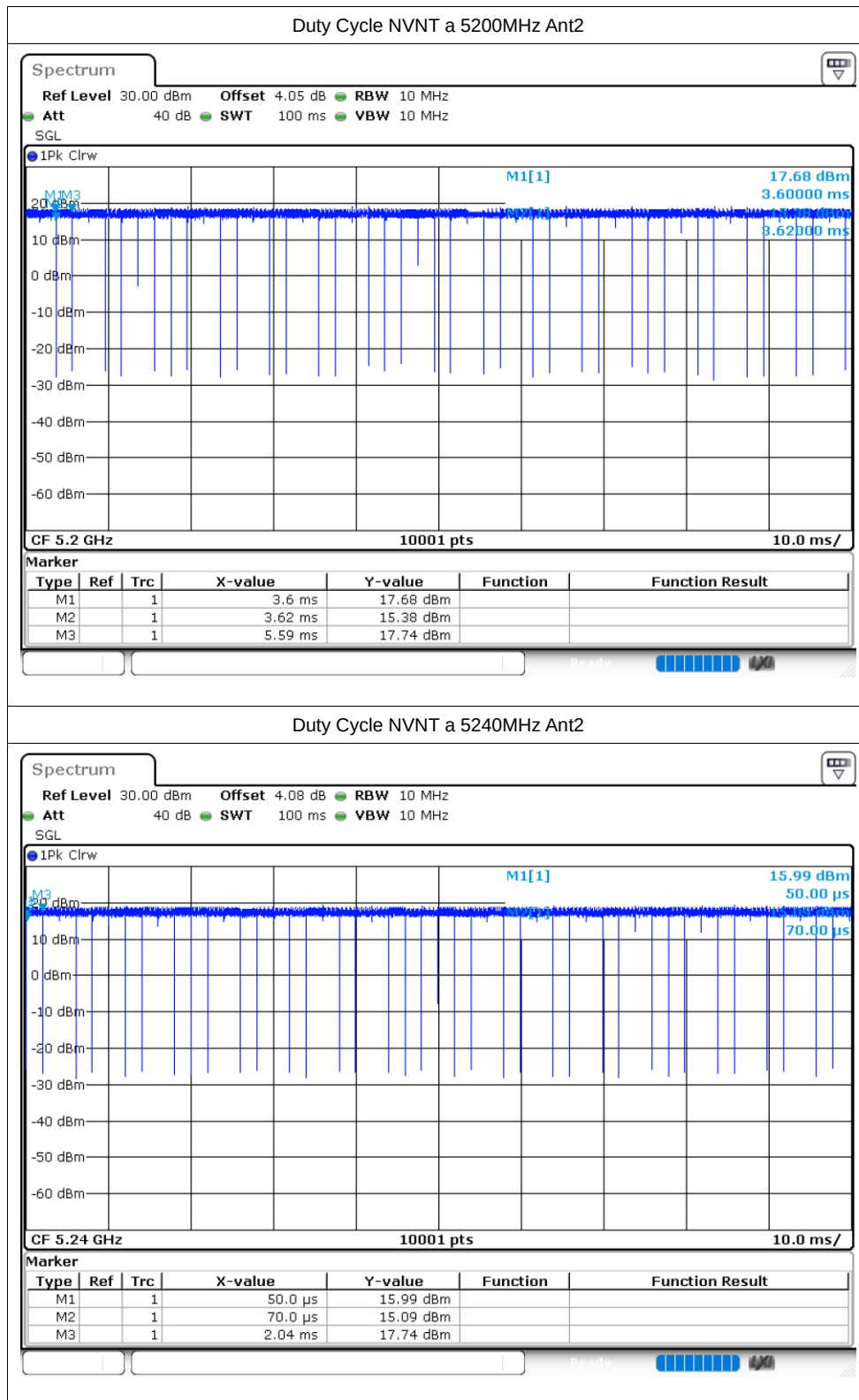
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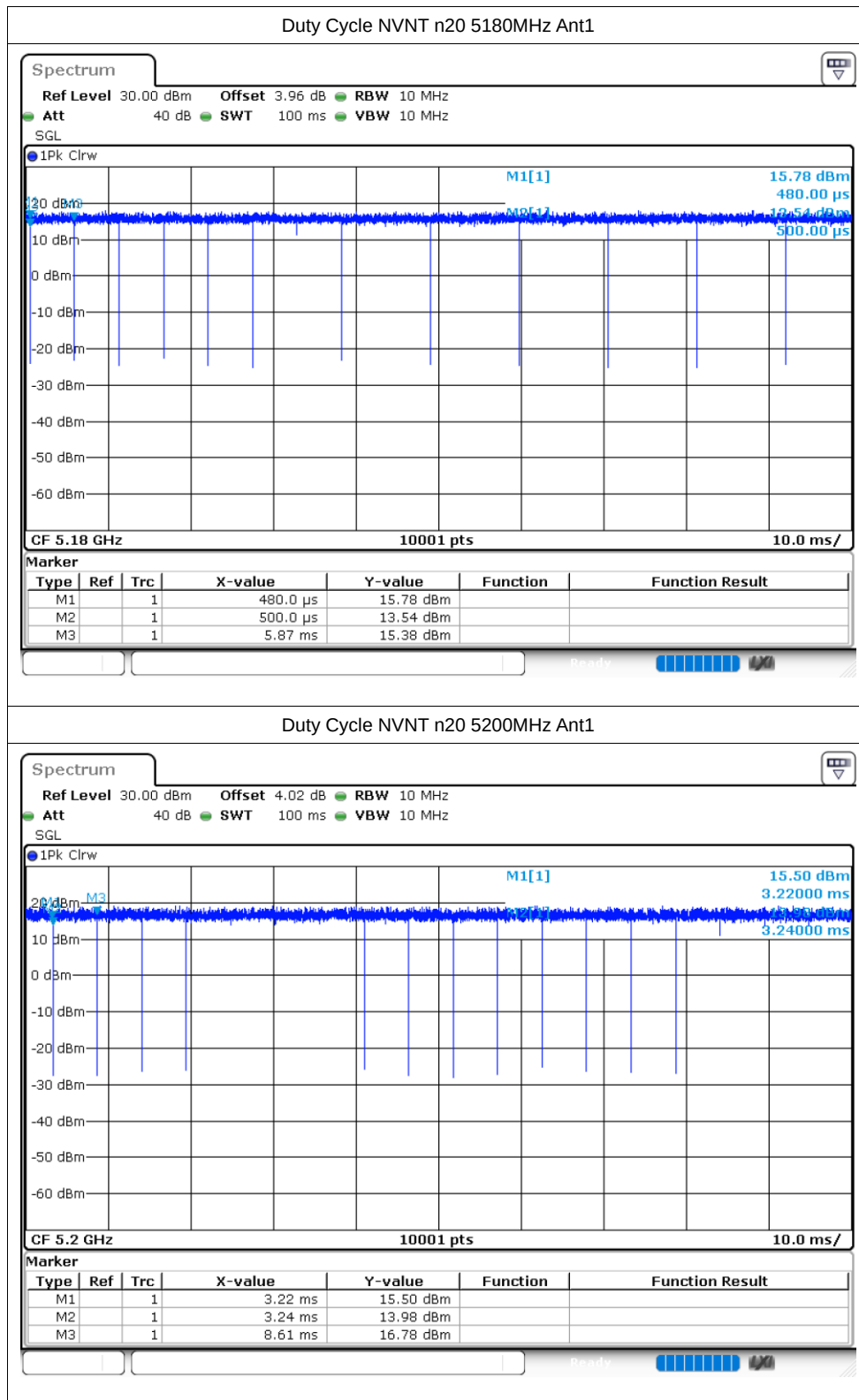


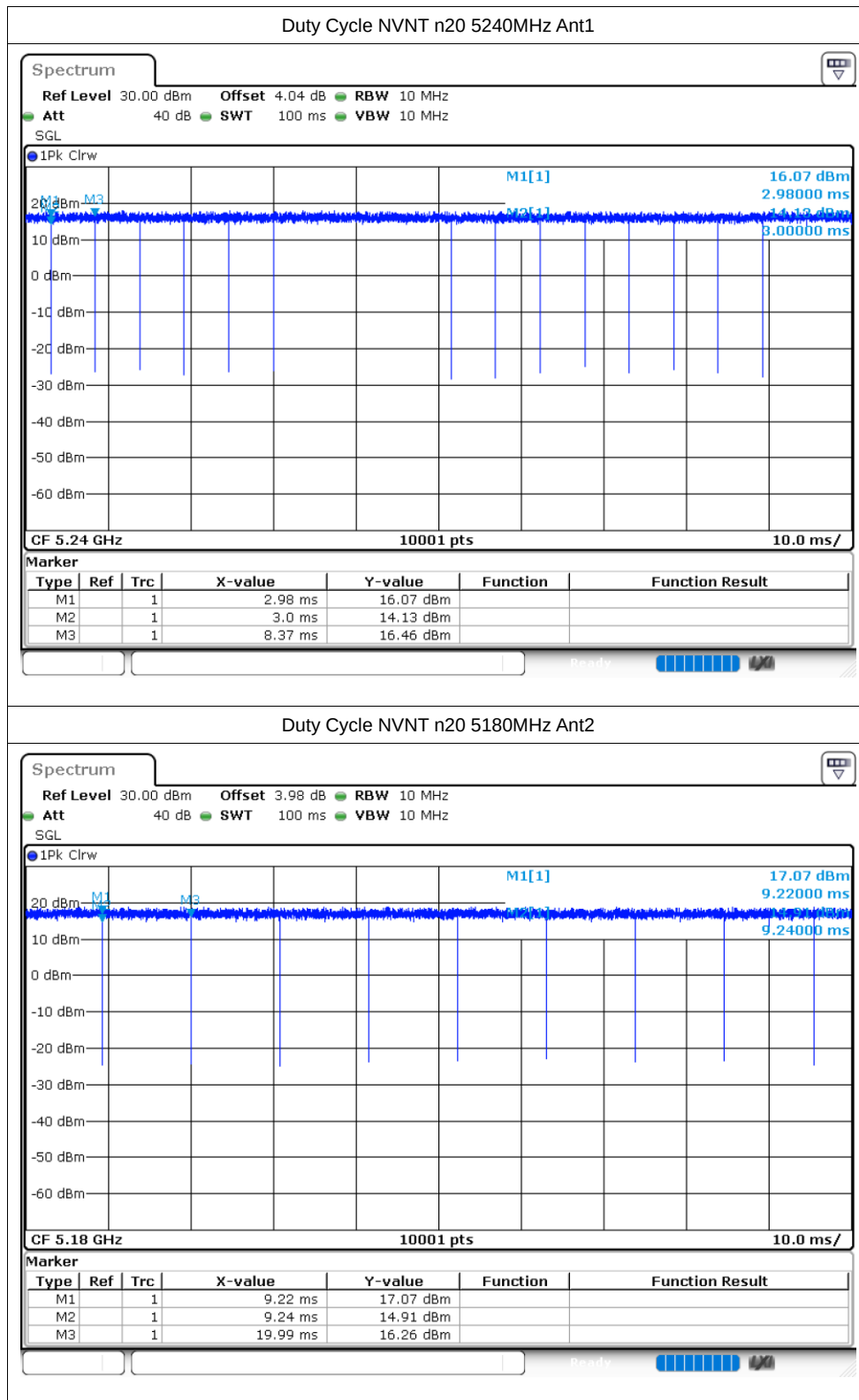
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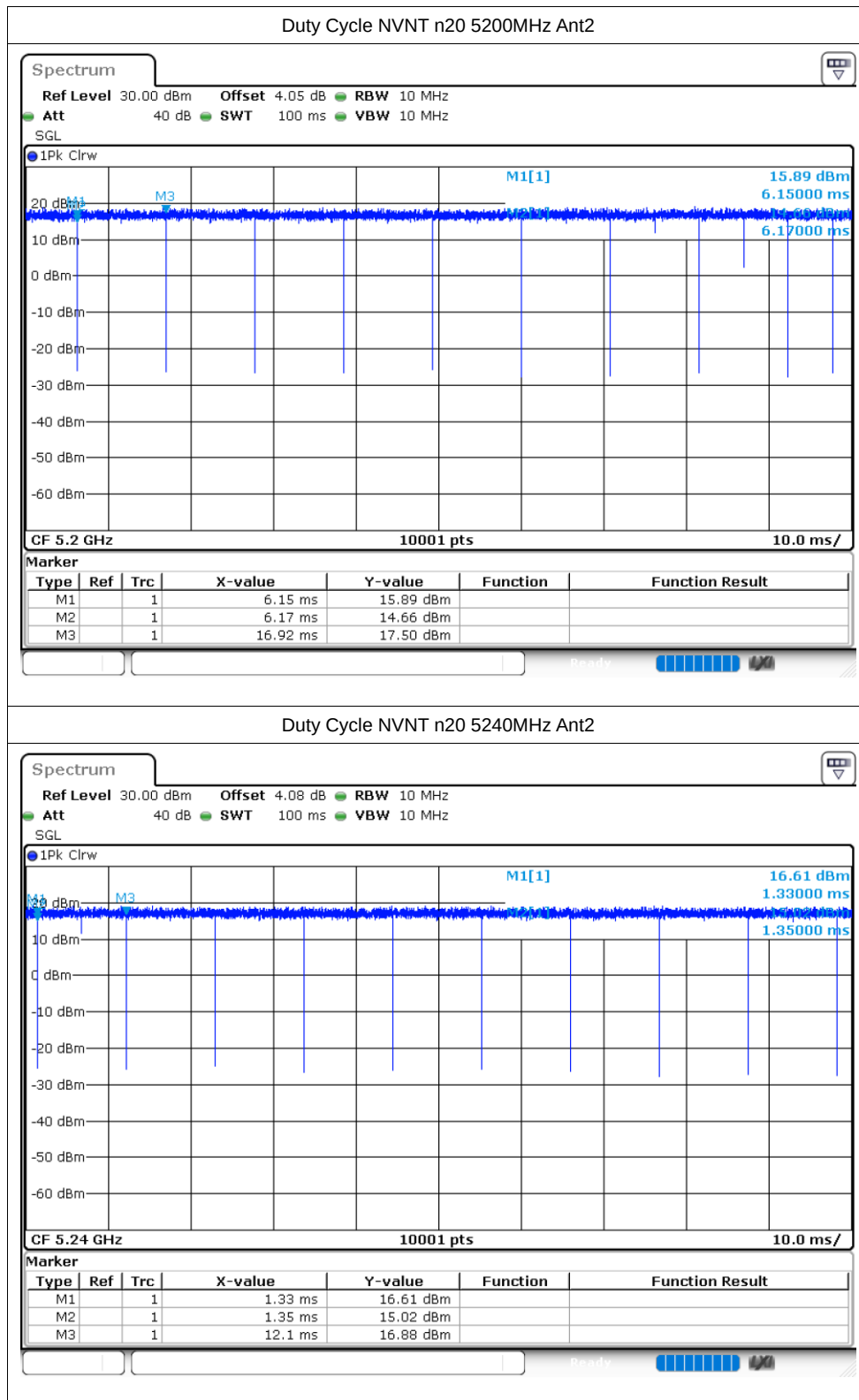
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73 ms	16.10 dBm		
M2		1	1.75 ms	14.08 dBm		
M3		1	3.72 ms	16.09 dBm		

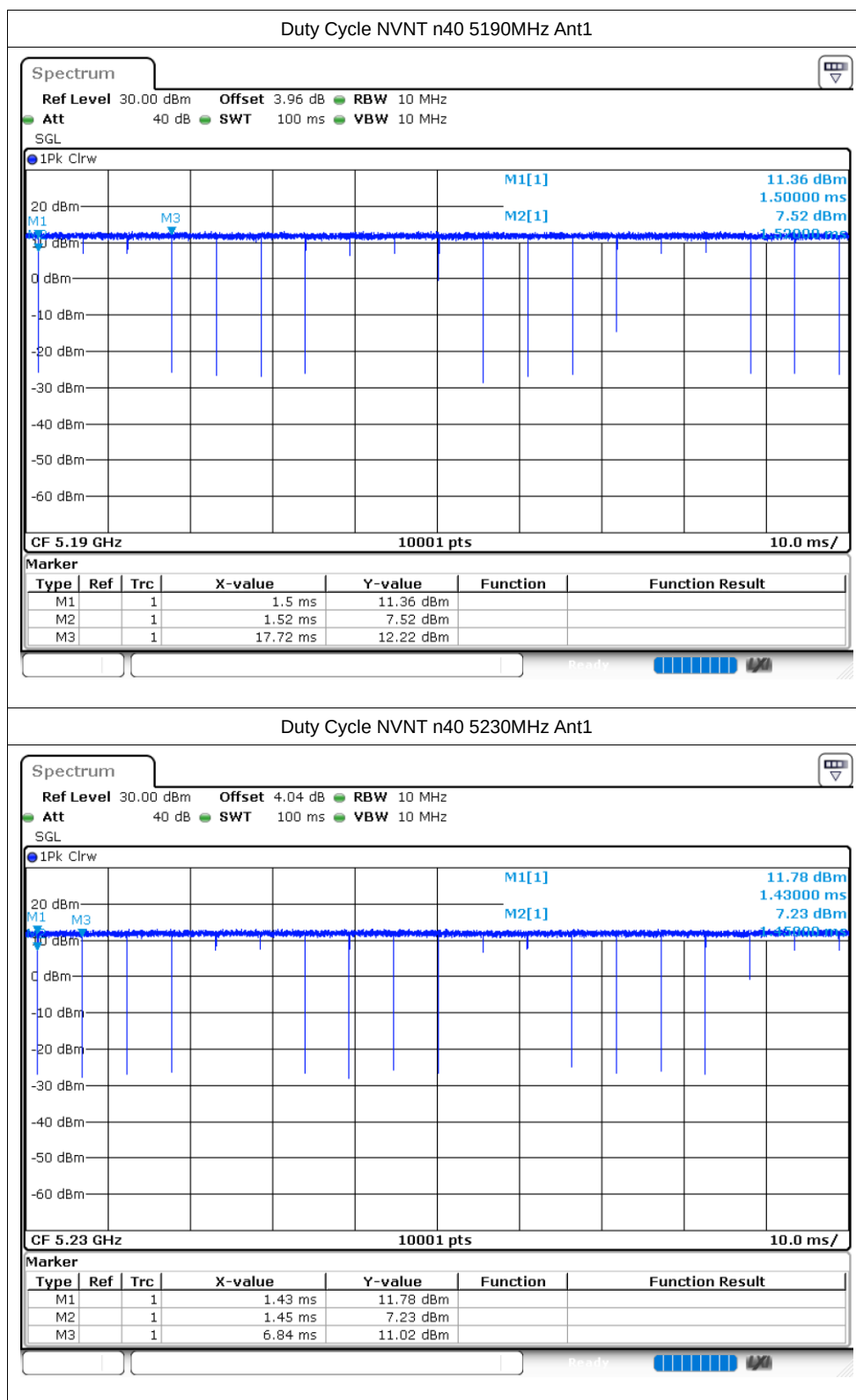


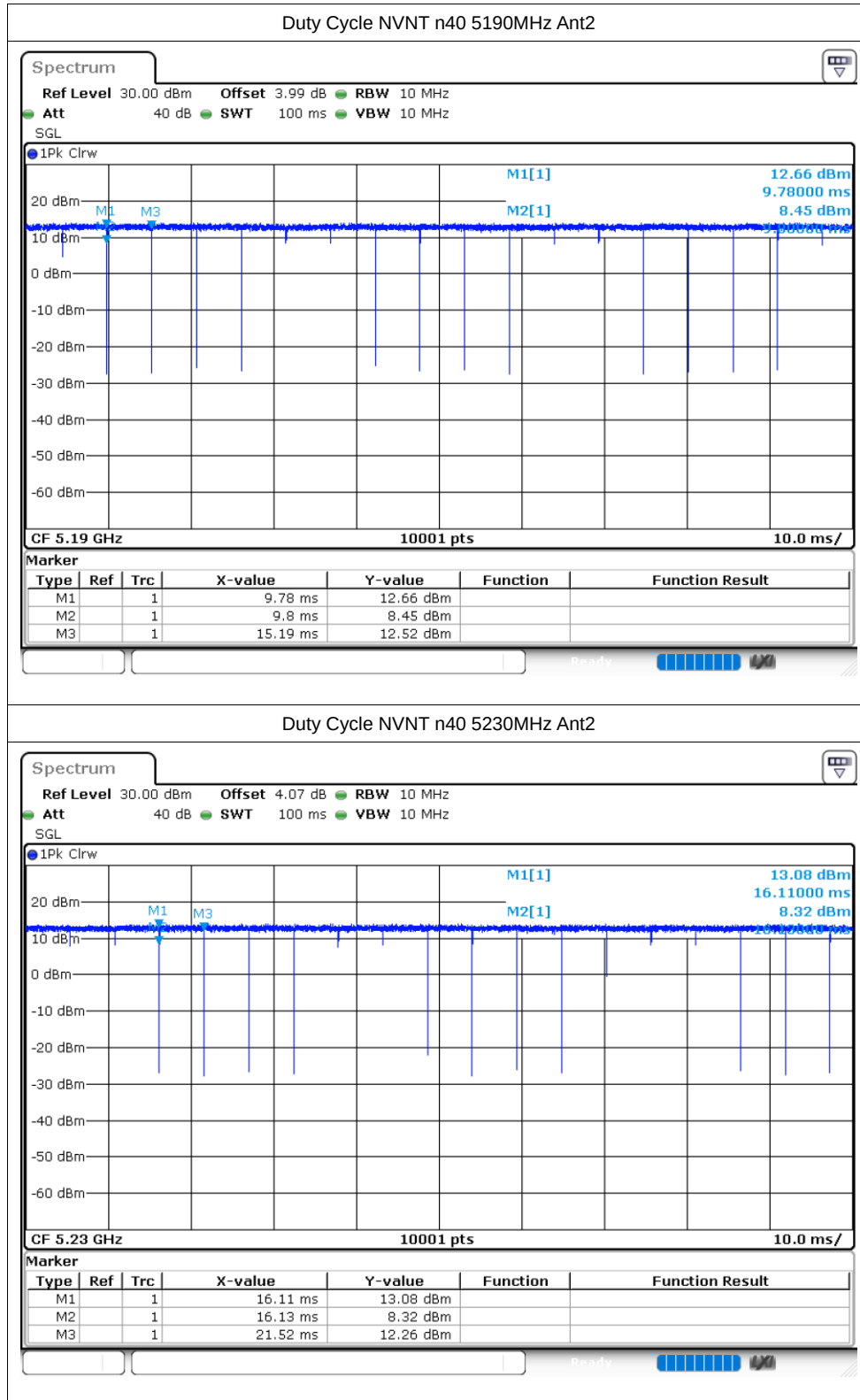


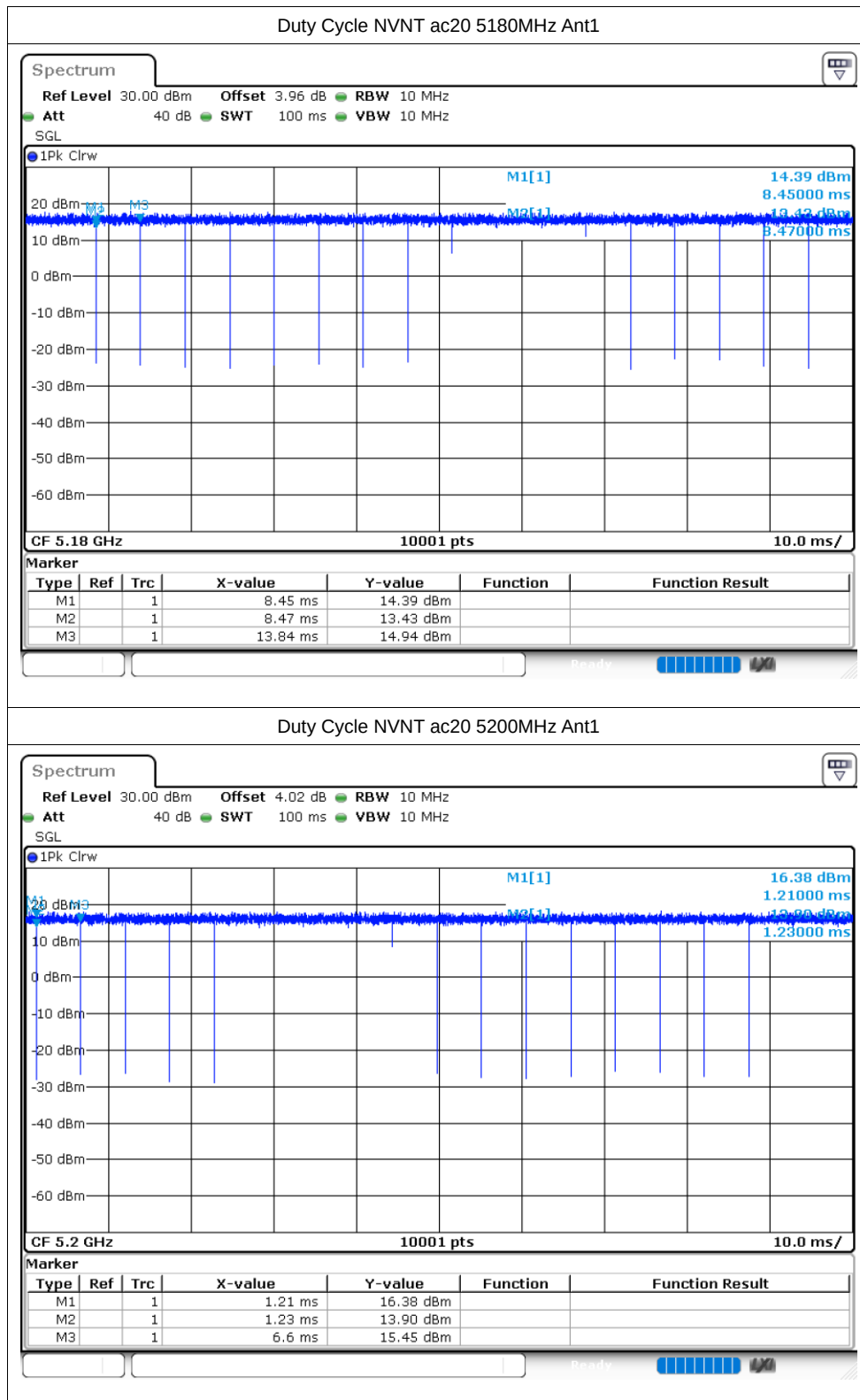


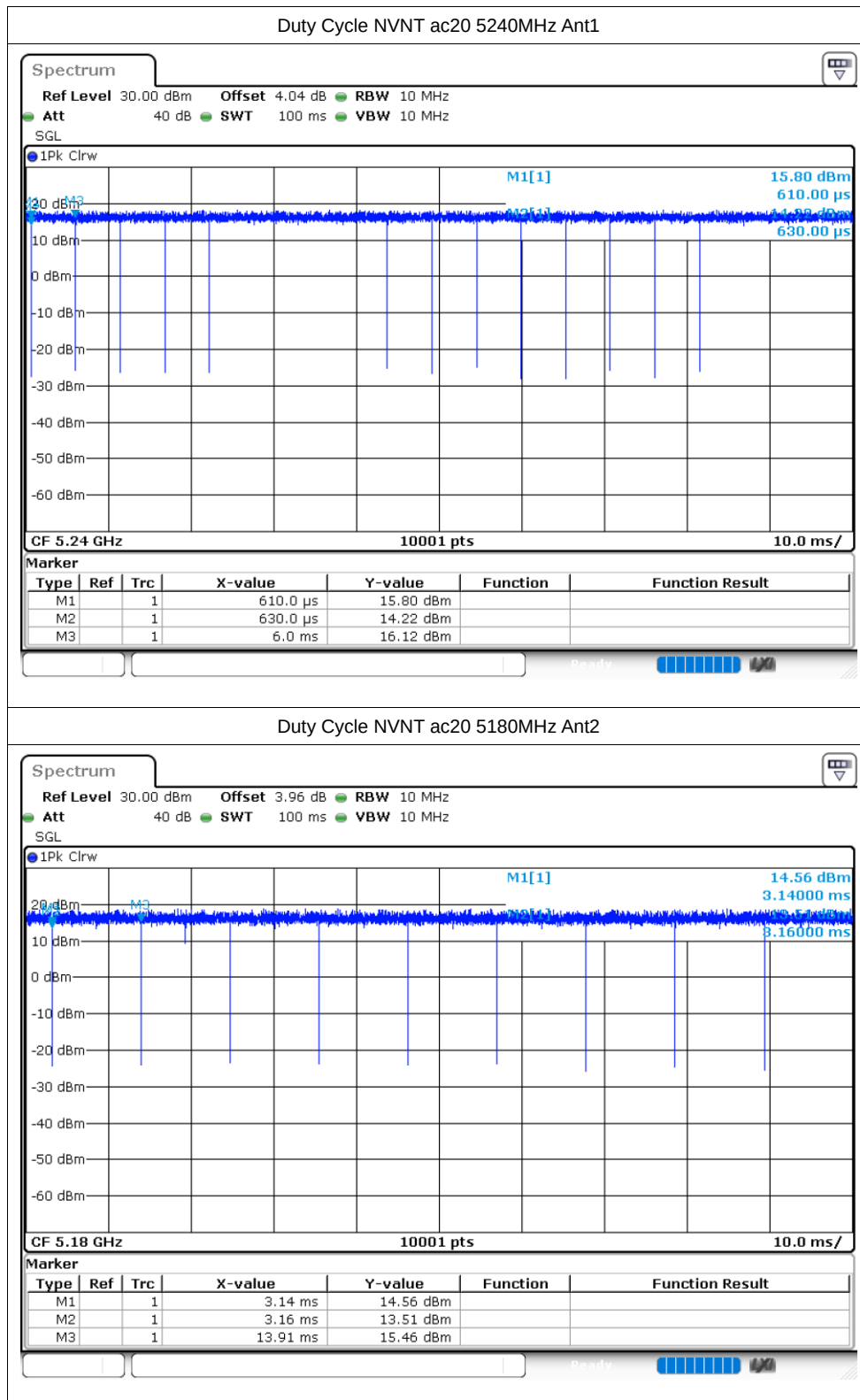


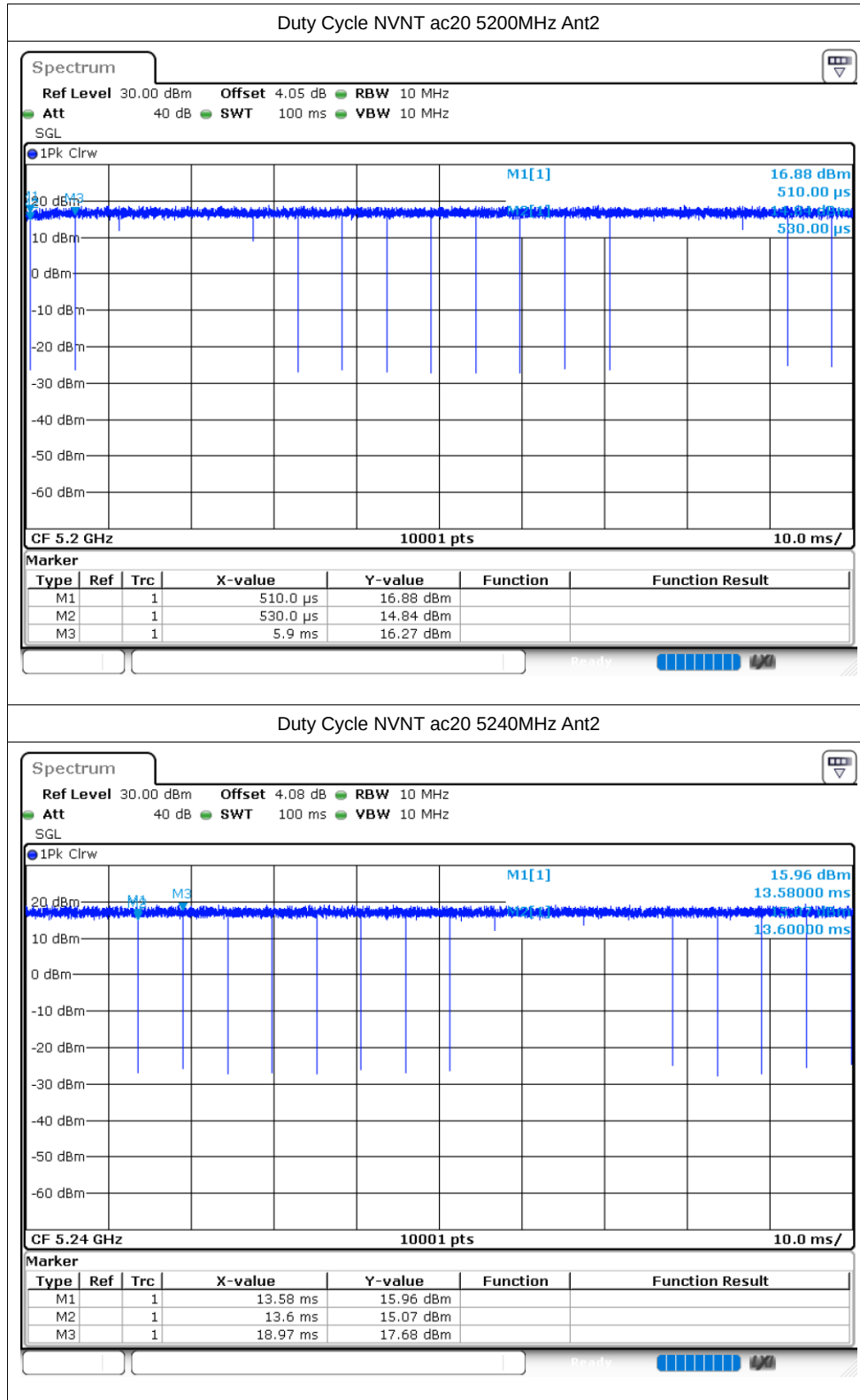


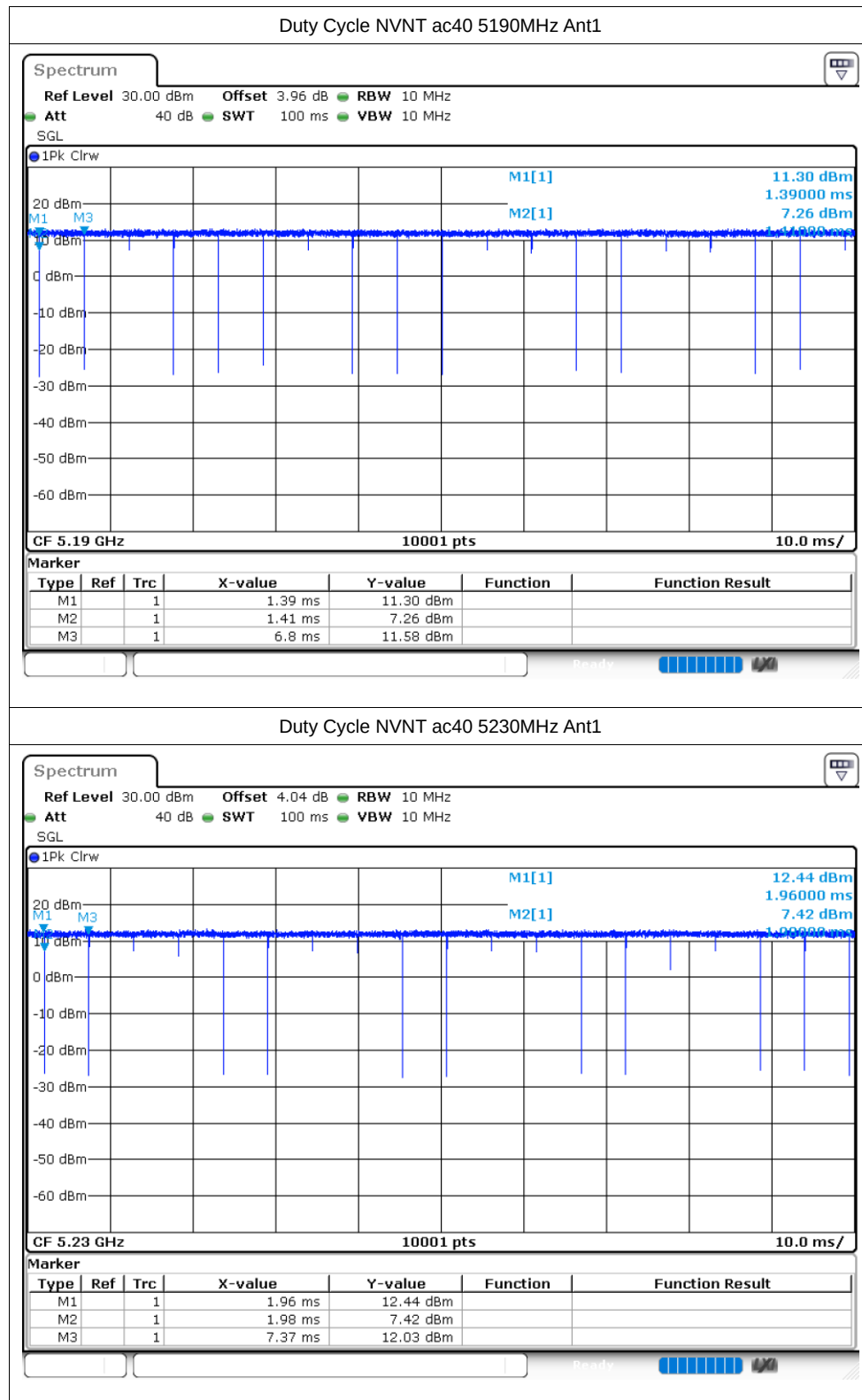


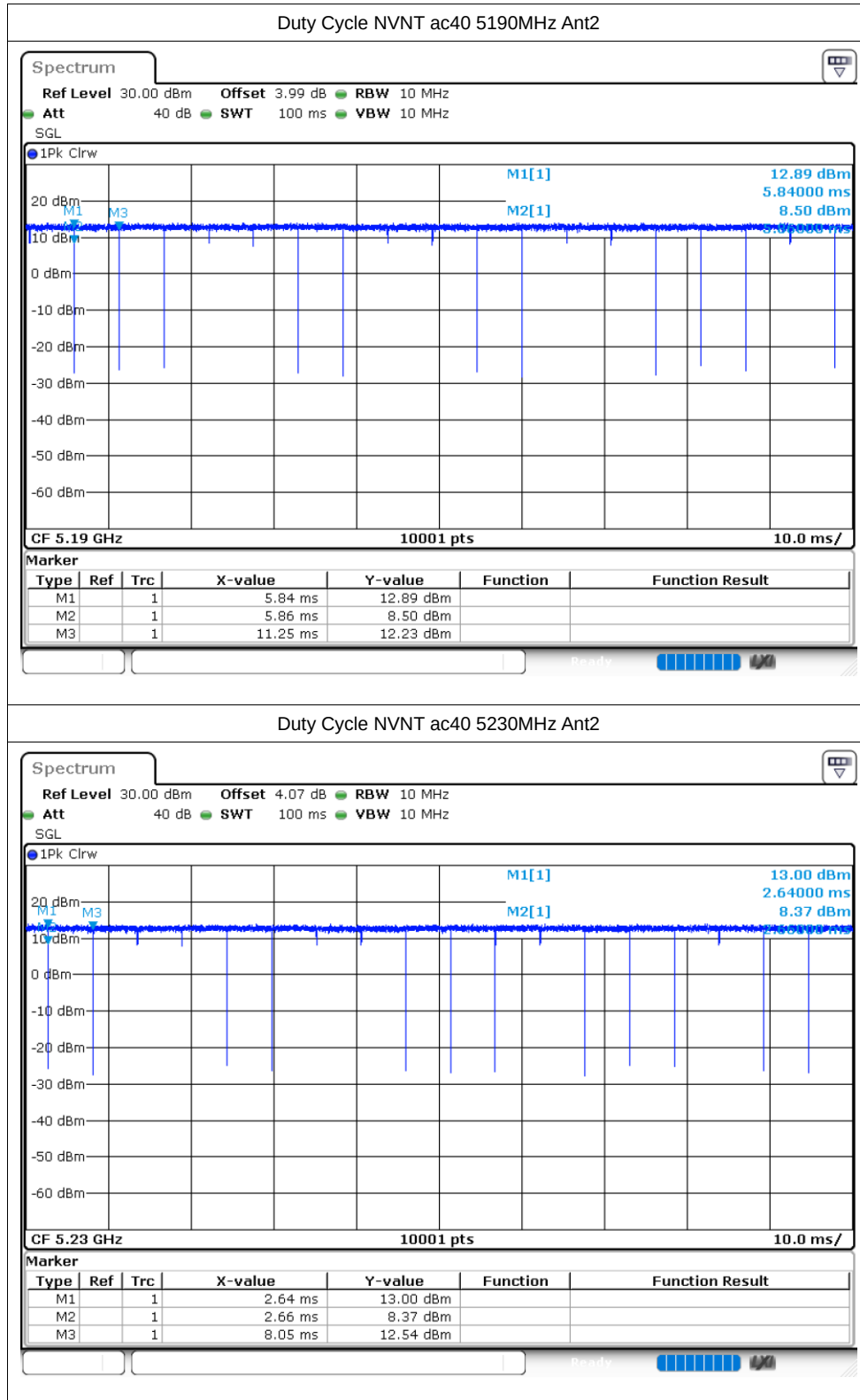


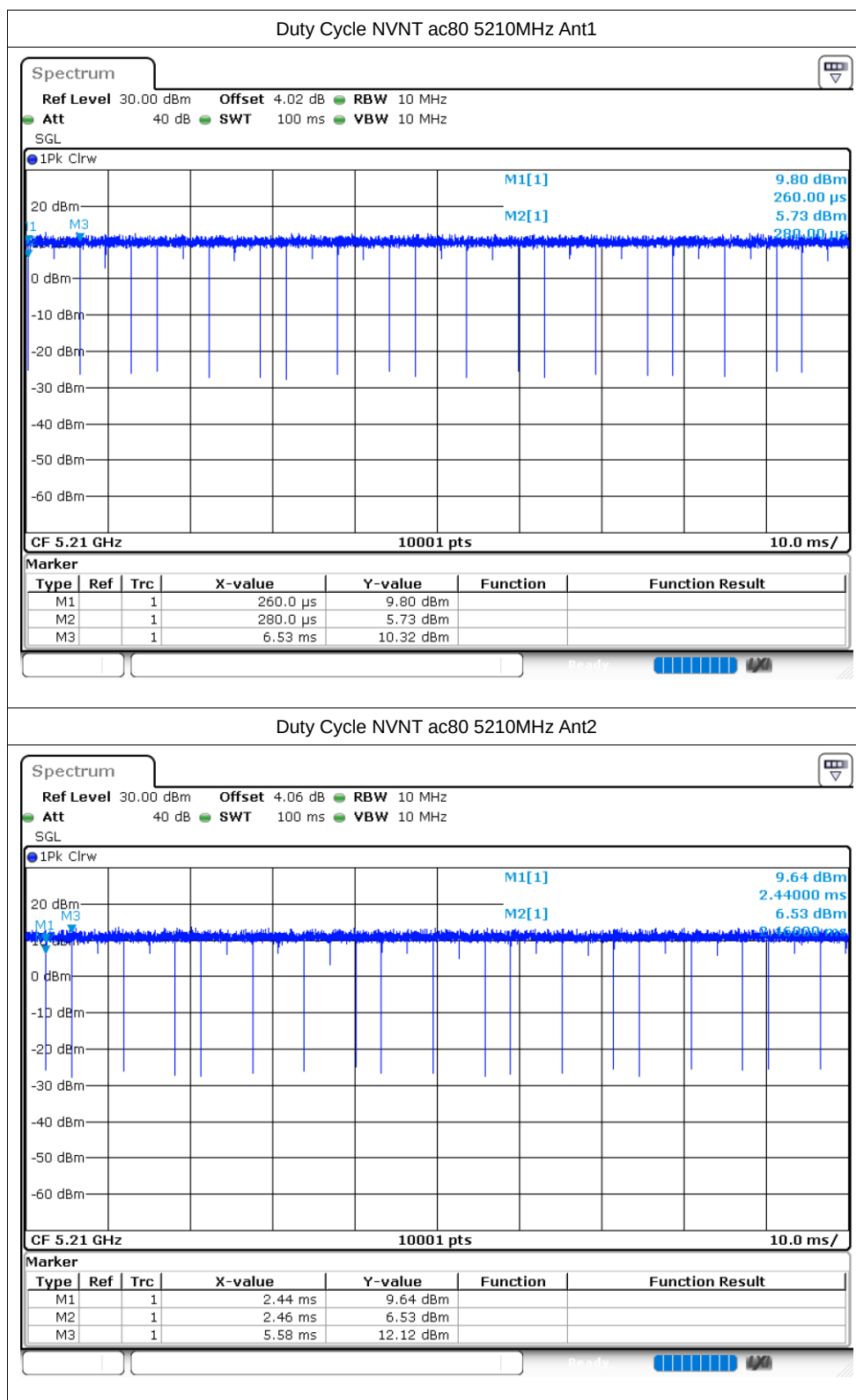




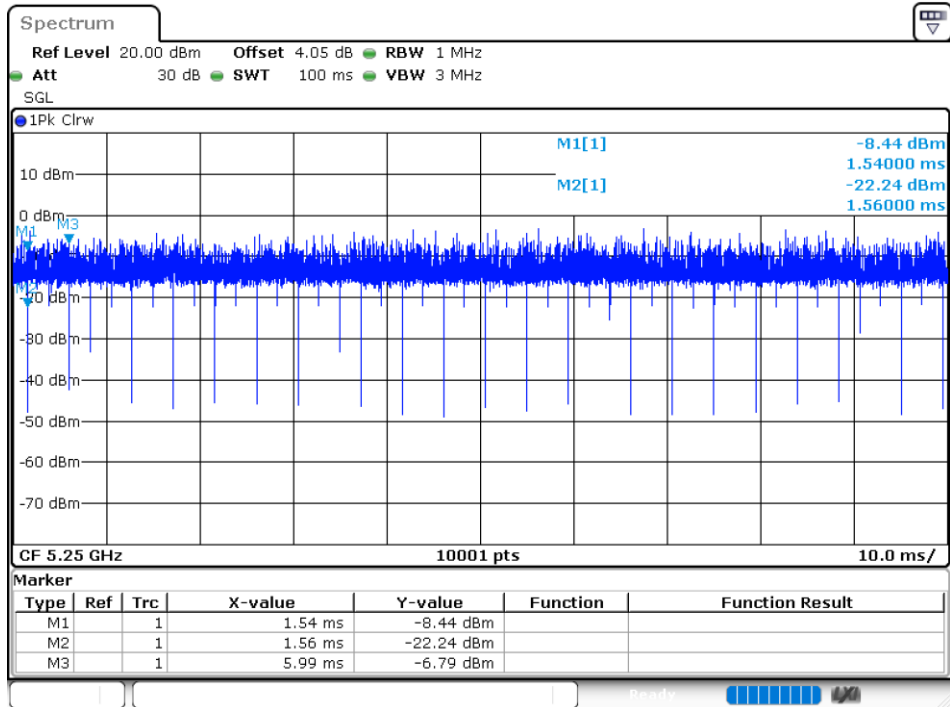




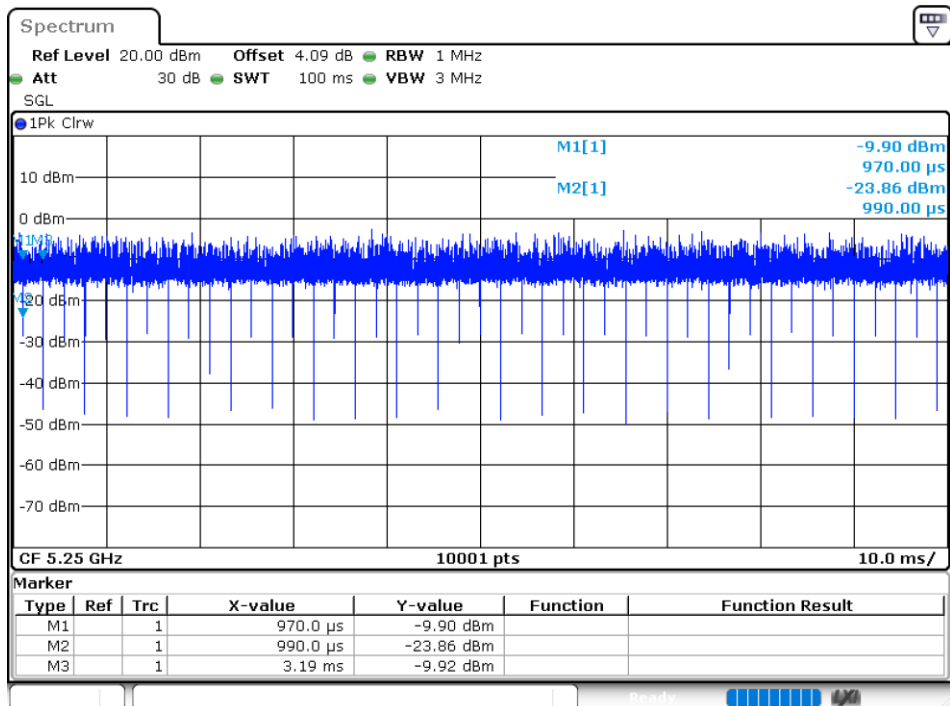


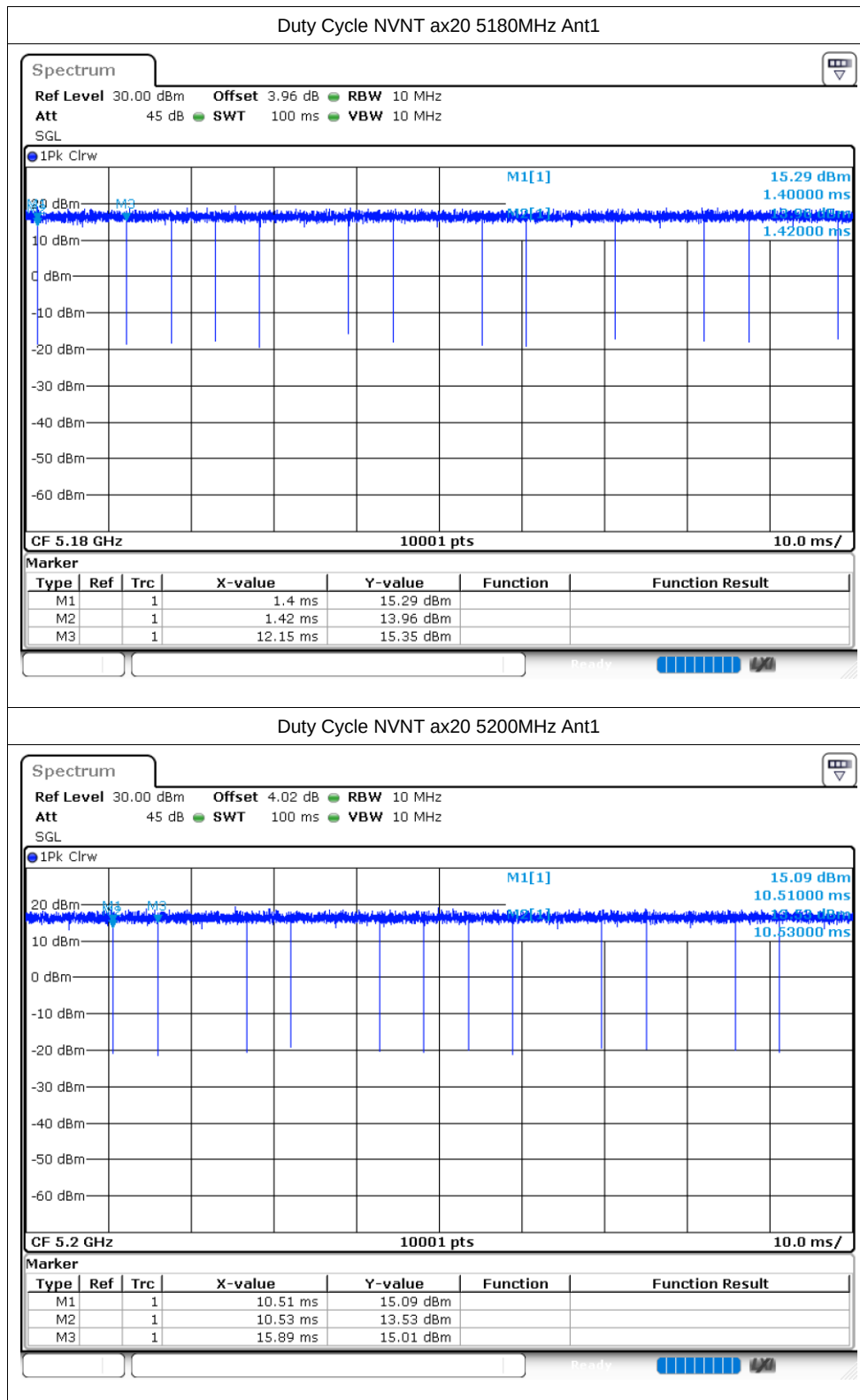


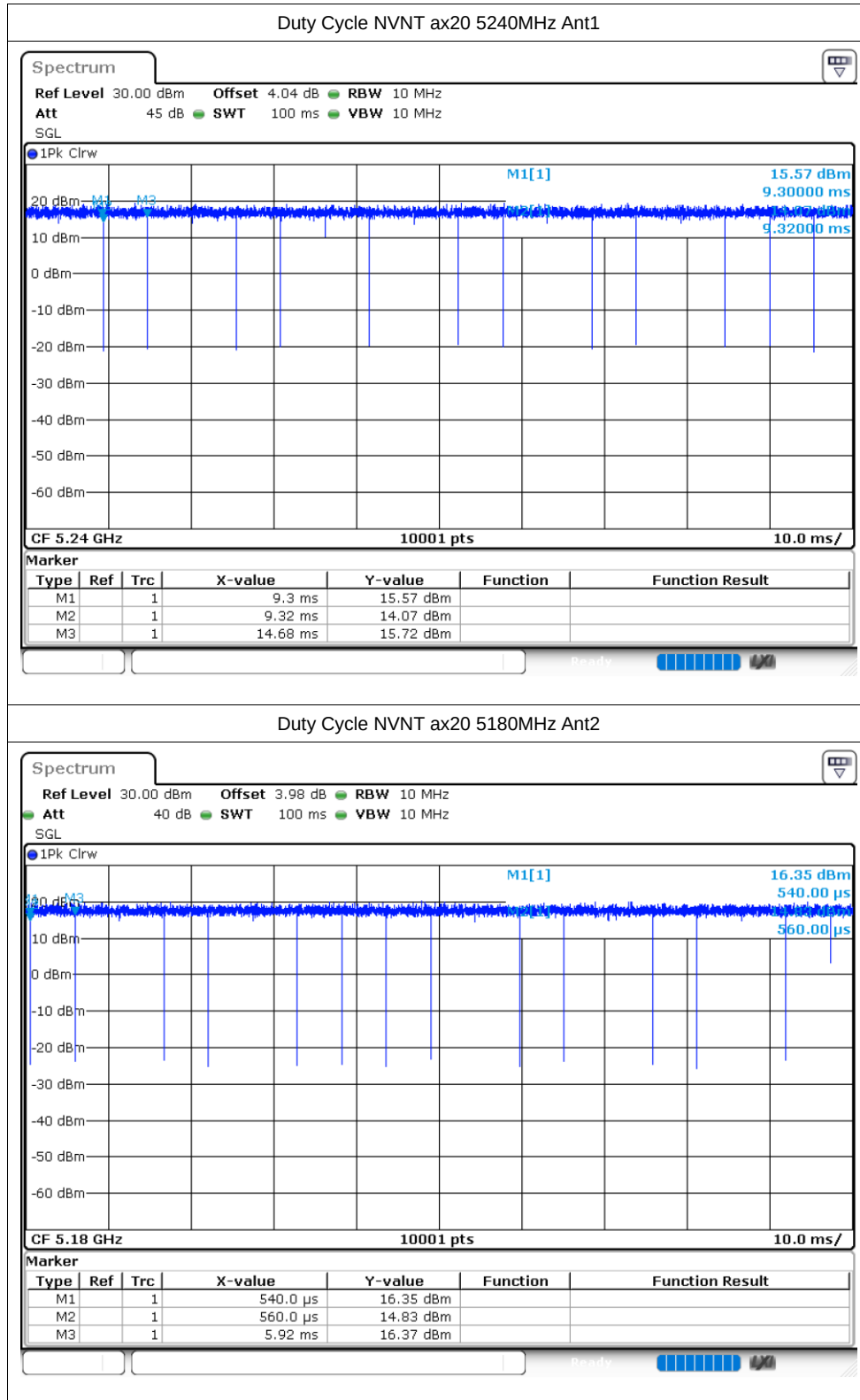
Duty Cycle NVNT ax160 5250MHz Ant1

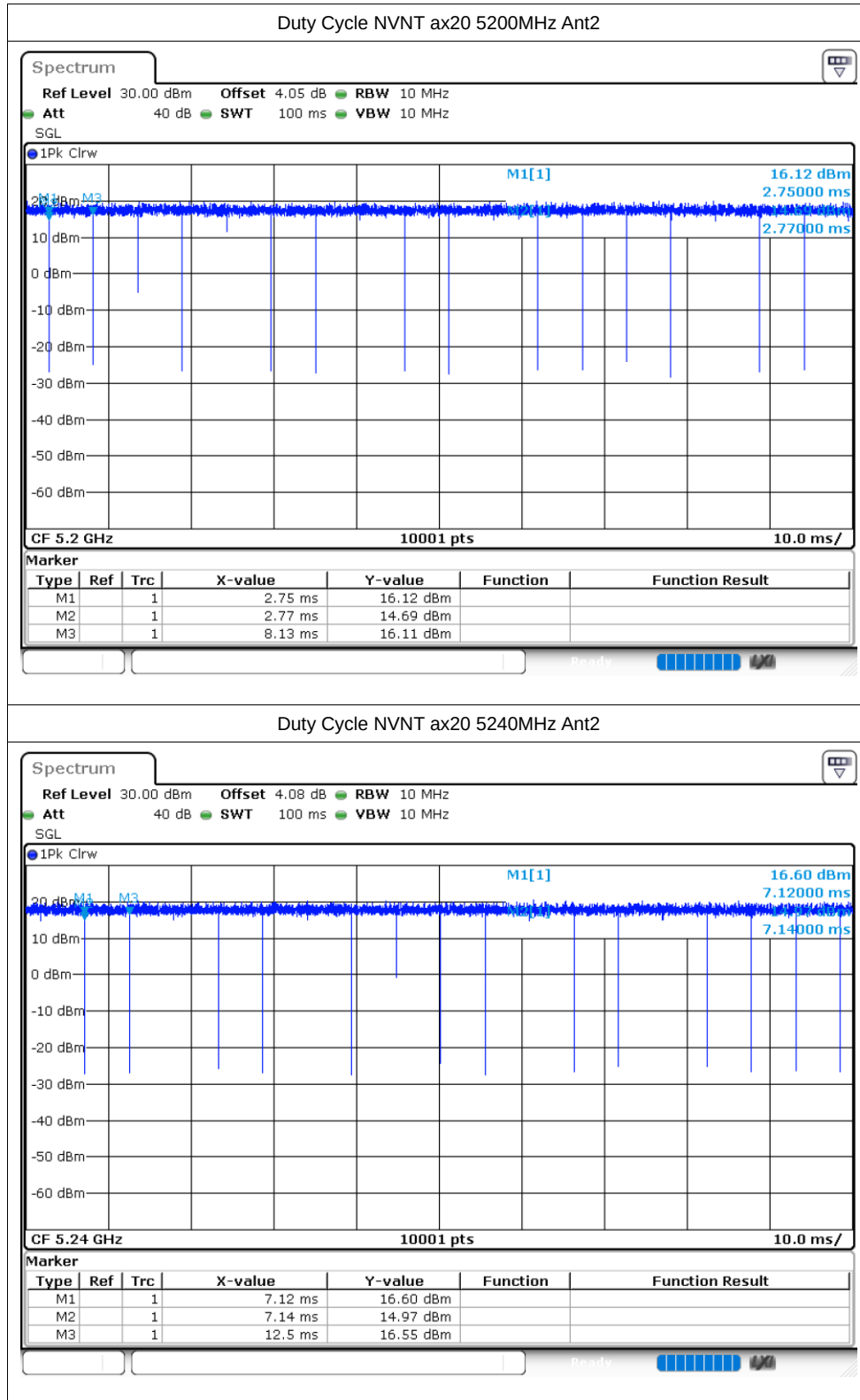


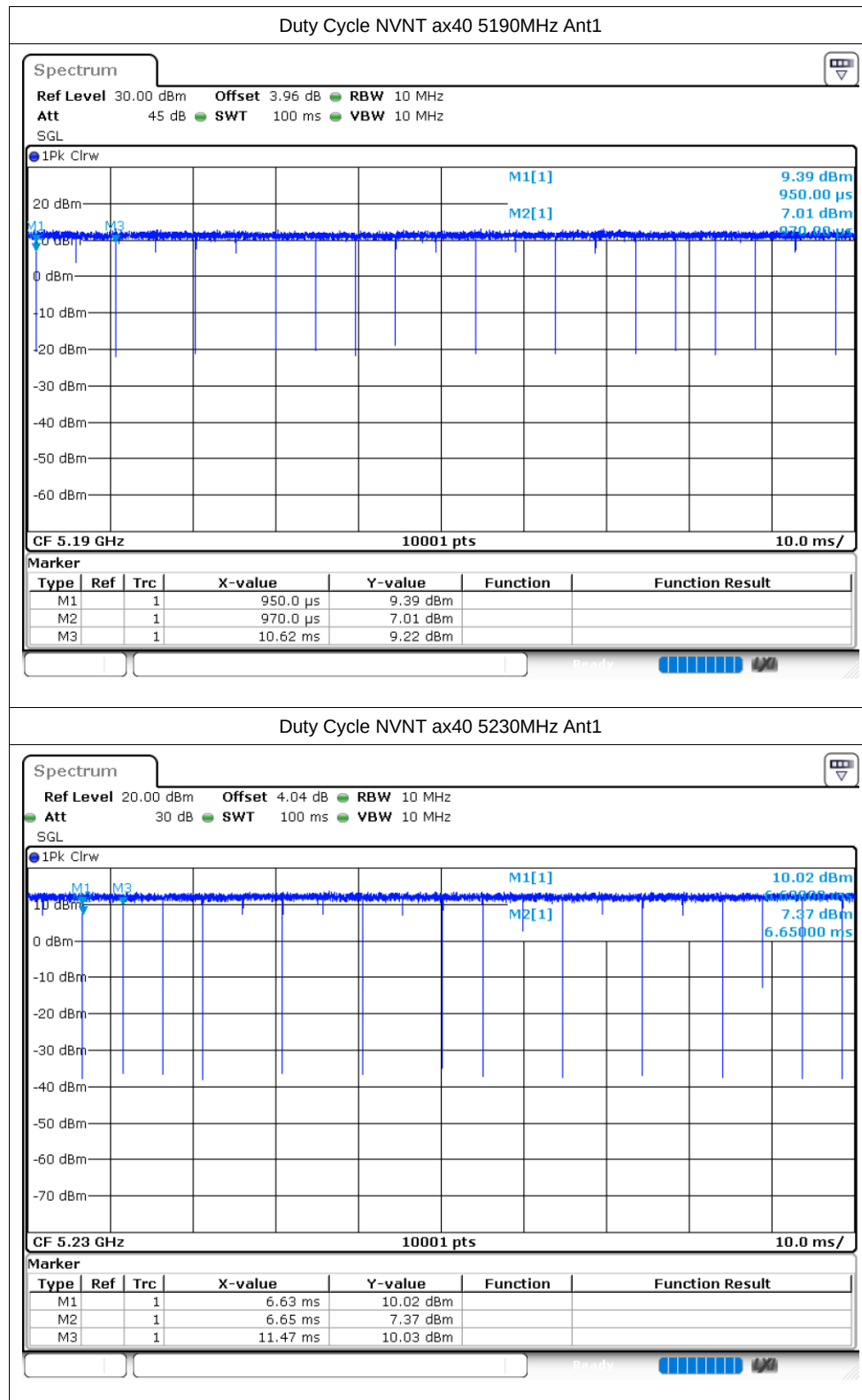
Duty Cycle NVNT ax160 5250MHz Ant2

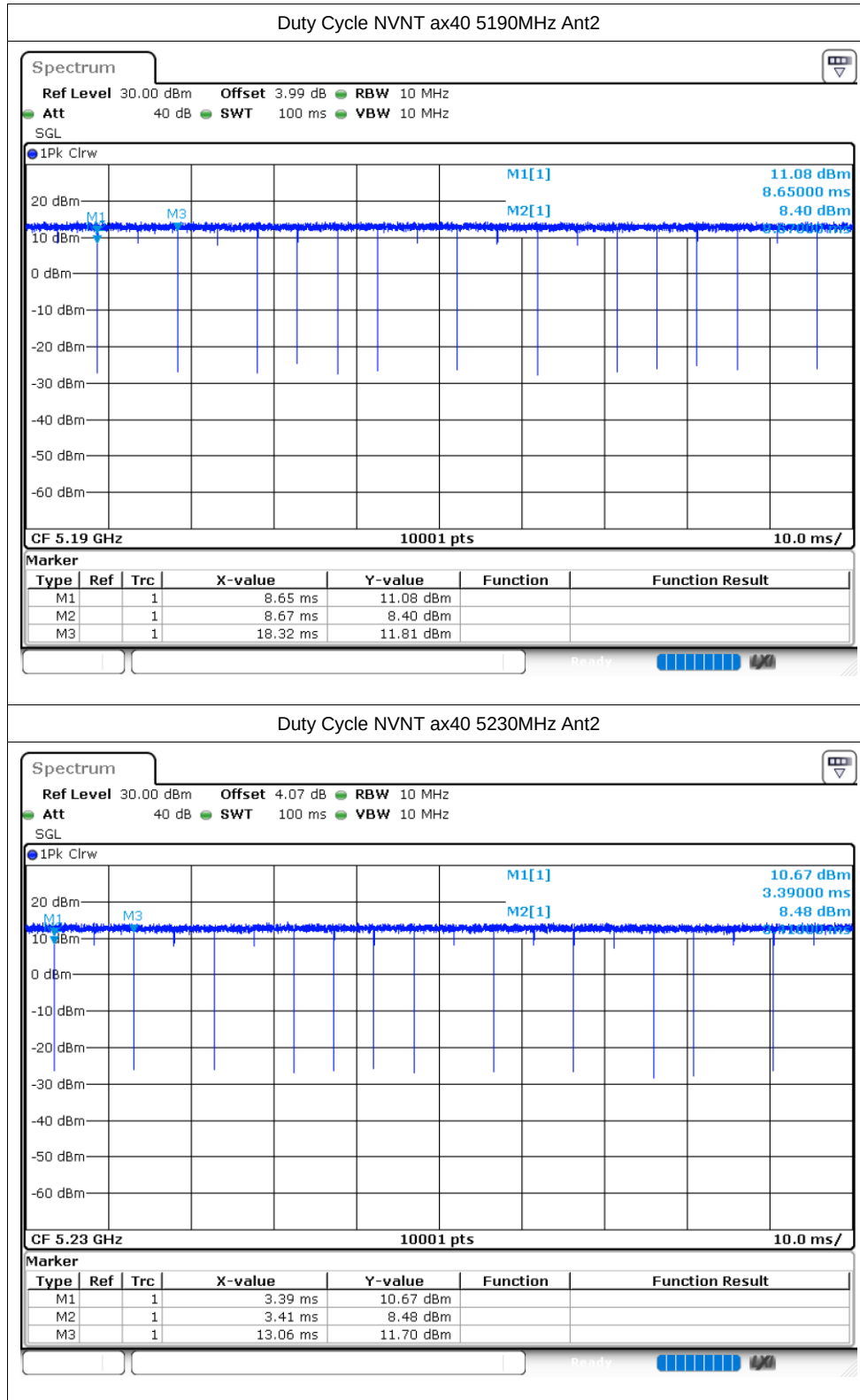


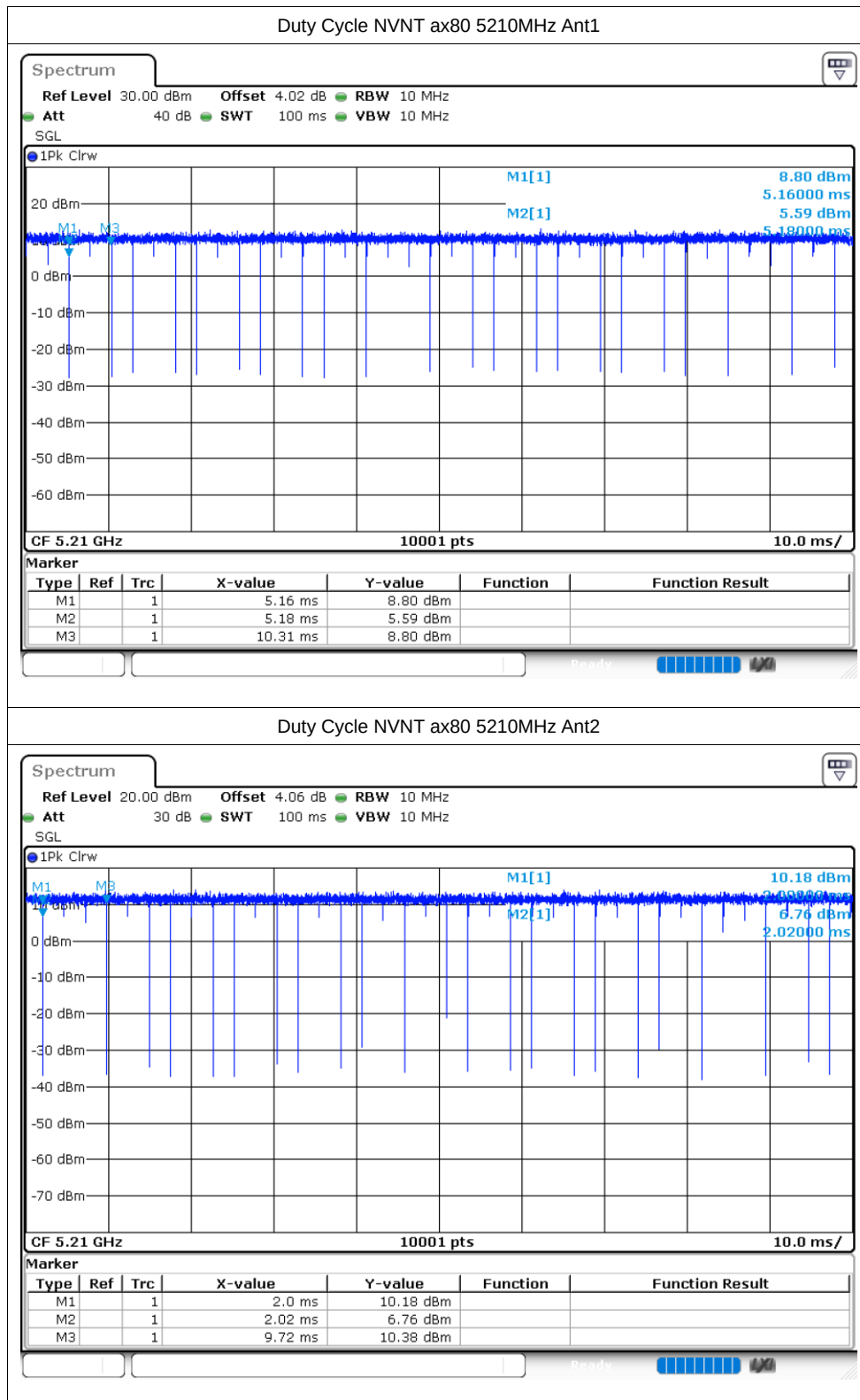












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.54	24	Pass
NVNT	a	5200	Ant1	12.54	24	Pass
NVNT	a	5240	Ant1	12.49	24	Pass
NVNT	a	5180	Ant2	13.88	24	Pass
NVNT	a	5200	Ant2	14.11	24	Pass
NVNT	a	5240	Ant2	14.03	24	Pass
NVNT	n20	5180	Ant1	12.2	24	Pass
NVNT	n20	5200	Ant1	12.07	24	Pass
NVNT	n20	5240	Ant1	11.91	24	Pass
NVNT	n20	5180	Ant2	13.52	24	Pass
NVNT	n20	5200	Ant2	13.73	24	Pass
NVNT	n20	5240	Ant2	13.71	24	Pass
NVNT	n40	5190	Ant1	10.64	24	Pass
NVNT	n40	5230	Ant1	10.59	24	Pass
NVNT	n40	5190	Ant2	12.06	24	Pass
NVNT	n40	5230	Ant2	12.11	24	Pass
NVNT	ac20	5180	Ant1	12.18	24	Pass
NVNT	ac20	5200	Ant1	12.19	24	Pass
NVNT	ac20	5240	Ant1	11.87	24	Pass
NVNT	ac20	5180	Ant2	13.58	24	Pass
NVNT	ac20	5200	Ant2	13.73	24	Pass
NVNT	ac20	5240	Ant2	13.69	24	Pass
NVNT	ac40	5190	Ant1	10.57	24	Pass
NVNT	ac40	5230	Ant1	10.58	24	Pass
NVNT	ac40	5190	Ant2	12.05	24	Pass
NVNT	ac40	5230	Ant2	12.1	24	Pass
NVNT	ac80	5210	Ant1	10.41	24	Pass
NVNT	ac80	5210	Ant2	11.98	24	Pass
NVNT	ax160	5250	Ant1	10.59	24	Pass
NVNT	ax160	5250	Ant2	11.95	24	Pass
NVNT	ax20	5180	Ant1	12.12	24	Pass
NVNT	ax20	5200	Ant1	12.36	24	Pass
NVNT	ax20	5240	Ant1	12.36	24	Pass
NVNT	ax20	5180	Ant2	13.74	24	Pass
NVNT	ax20	5200	Ant2	13.91	24	Pass
NVNT	ax20	5240	Ant2	13.87	24	Pass
NVNT	ax40	5190	Ant1	10.16	24	Pass
NVNT	ax40	5230	Ant1	10.29	24	Pass
NVNT	ax40	5190	Ant2	11.72	24	Pass
NVNT	ax40	5230	Ant2	11.74	24	Pass

NVNT	ax80	5210	Ant1	10.25	24	Pass
NVNT	ax80	5210	Ant2	11.93	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.014	Pass
NVNT	a	5200	Ant1	19.557	Pass
NVNT	a	5240	Ant1	18.585	Pass
NVNT	a	5180	Ant2	18.933	Pass
NVNT	a	5200	Ant2	19.299	Pass
NVNT	a	5240	Ant2	18.861	Pass
NVNT	n20	5180	Ant1	20.175	Pass
NVNT	n20	5200	Ant1	19.689	Pass
NVNT	n20	5240	Ant1	19.821	Pass
NVNT	n20	5180	Ant2	20.061	Pass
NVNT	n20	5200	Ant2	20.253	Pass
NVNT	n20	5240	Ant2	19.725	Pass
NVNT	n40	5190	Ant1	39.798	Pass
NVNT	n40	5230	Ant1	39.852	Pass
NVNT	n40	5190	Ant2	39.534	Pass
NVNT	n40	5230	Ant2	39.966	Pass
NVNT	ac20	5180	Ant1	19.713	Pass
NVNT	ac20	5200	Ant1	20.325	Pass
NVNT	ac20	5240	Ant1	20.325	Pass
NVNT	ac20	5180	Ant2	20.214	Pass
NVNT	ac20	5200	Ant2	20.01	Pass
NVNT	ac20	5240	Ant2	20.667	Pass
NVNT	ac40	5190	Ant1	39.81	Pass
NVNT	ac40	5230	Ant1	39.924	Pass
NVNT	ac40	5190	Ant2	39.636	Pass
NVNT	ac40	5230	Ant2	40.128	Pass
NVNT	ac80	5210	Ant1	81.072	Pass
NVNT	ac80	5210	Ant2	80.544	Pass
NVNT	ax160	5250	Ant1	163.8	Pass
NVNT	ax160	5250	Ant2	163.68	Pass
NVNT	ax20	5180	Ant1	20.319	Pass
NVNT	ax20	5200	Ant1	20.541	Pass
NVNT	ax20	5240	Ant1	20.901	Pass
NVNT	ax20	5180	Ant2	20.262	Pass
NVNT	ax20	5200	Ant2	20.628	Pass
NVNT	ax20	5240	Ant2	20.505	Pass
NVNT	ax40	5190	Ant1	40.494	Pass
NVNT	ax40	5230	Ant1	40.44	Pass
NVNT	ax40	5190	Ant2	40.266	Pass
NVNT	ax40	5230	Ant2	40.41	Pass
NVNT	ax80	5210	Ant1	82.284	Pass

NVNT	ax80	5210	Ant2	81.612	Pass
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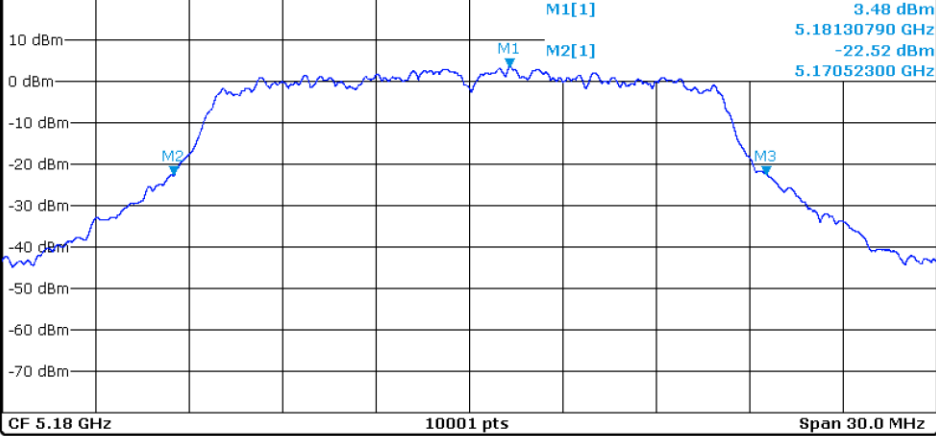
Test Graphs

-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

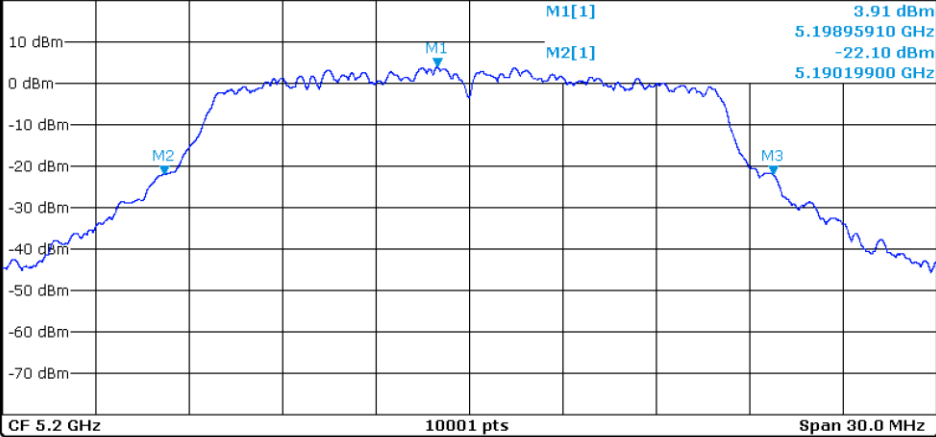
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1813079 GHz	3.48 dBm		
M2	1		5.170523 GHz	-22.52 dBm		
M3	1		5.189537 GHz	-22.52 dBm		

-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

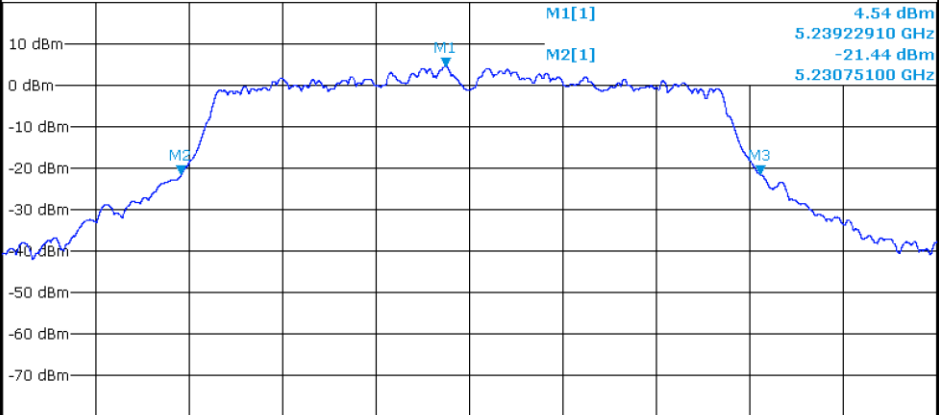
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1989591 GHz	3.91 dBm		
M2	1		5.190199 GHz	-22.10 dBm		
M3	1		5.209756 GHz	-22.08 dBm		

-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



Marker

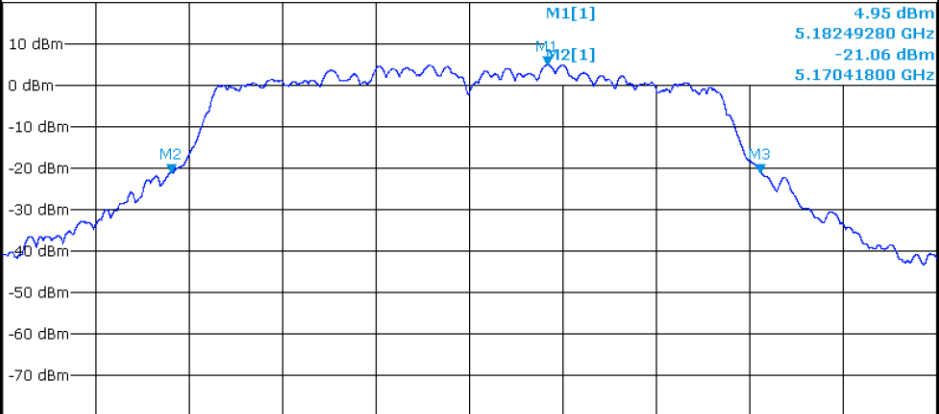
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2392291 GHz	4.54 dBm		
M2	1	1	5.230751 GHz	-21.44 dBm		
M3	1	1	5.249336 GHz	-21.47 dBm		

-26dB Bandwidth NVNT a 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

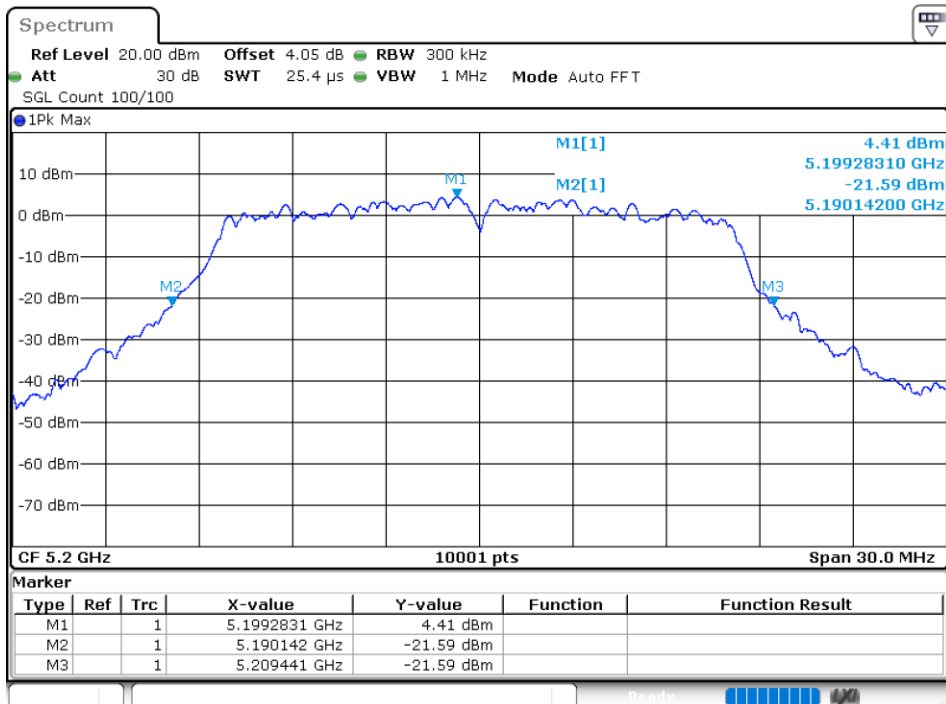
1Pk Max



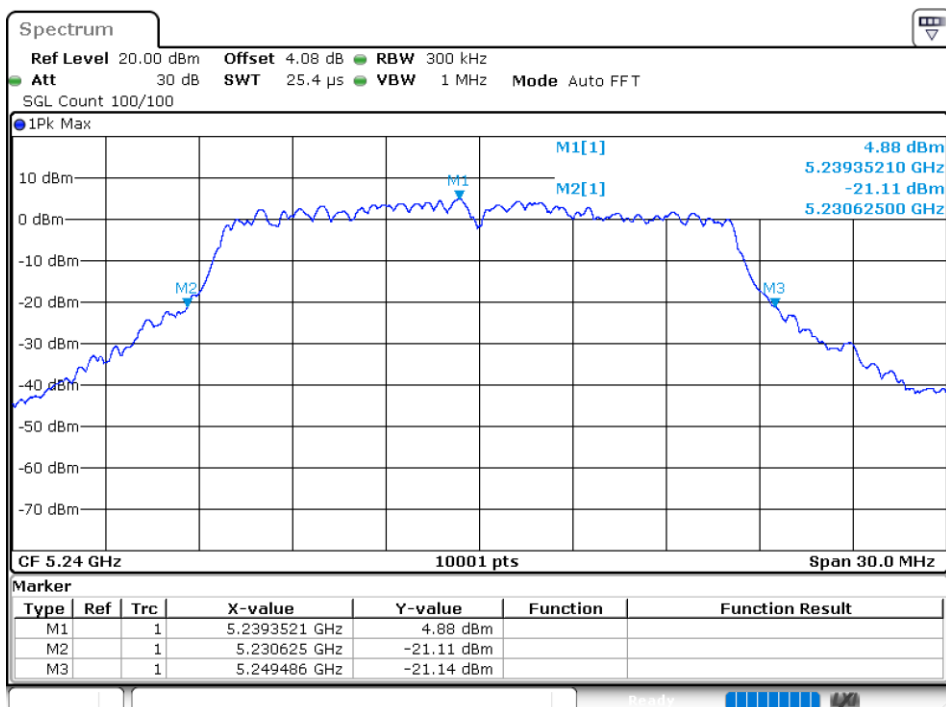
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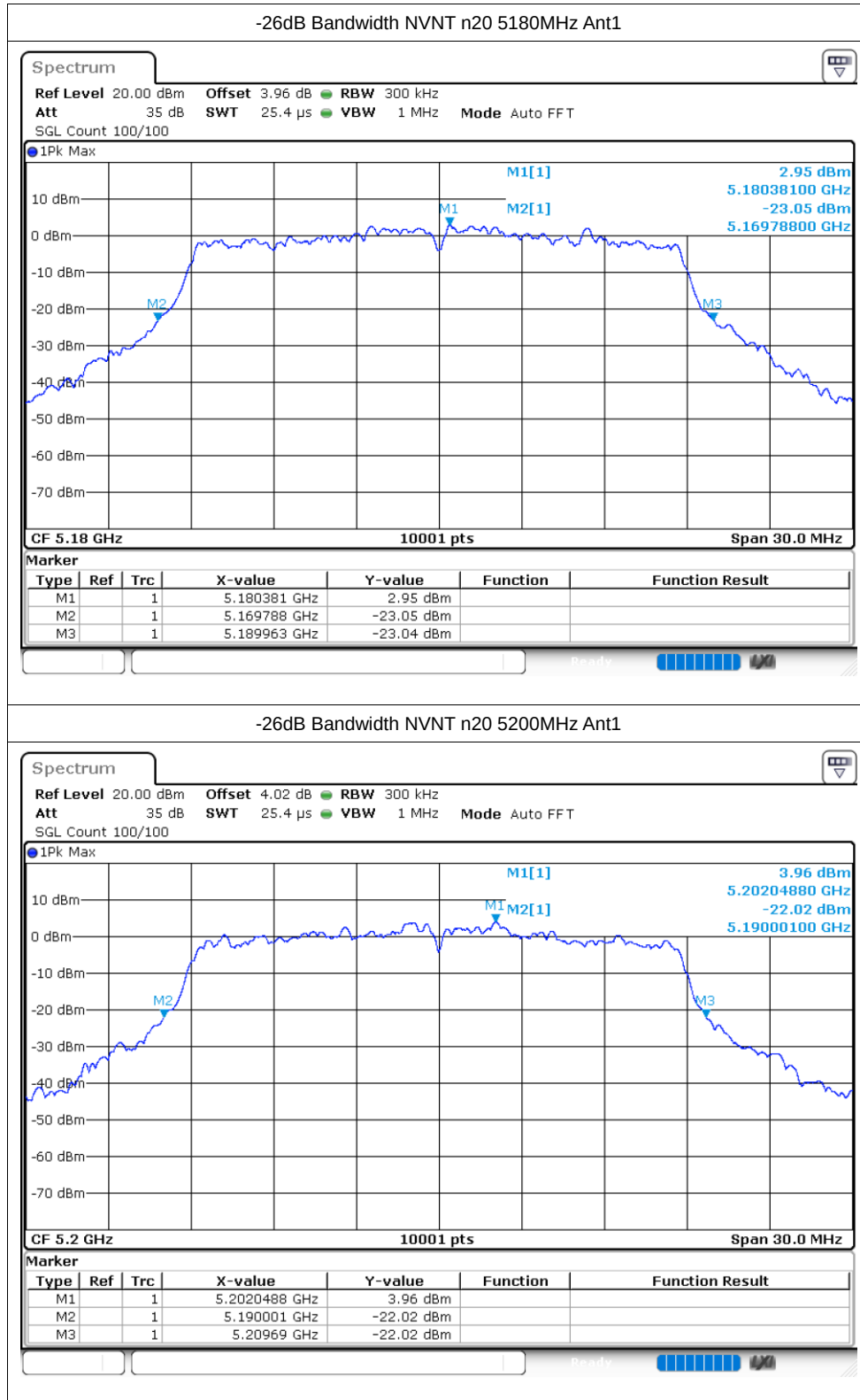
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1824928 GHz	4.95 dBm		
M2	1	1	5.170418 GHz	-21.06 dBm		
M3	1	1	5.189351 GHz	-21.04 dBm		

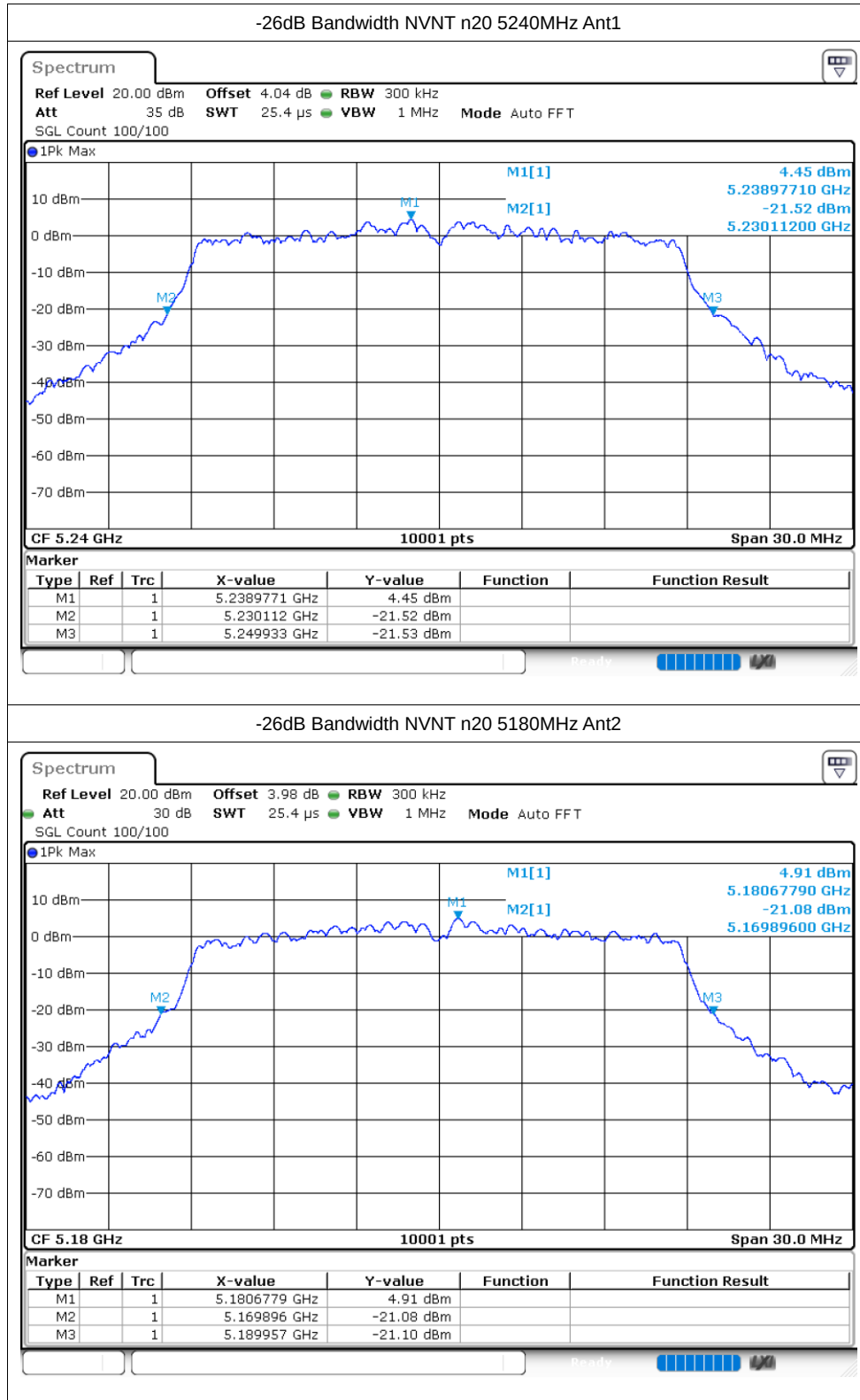
-26dB Bandwidth NVNT a 5200MHz Ant2

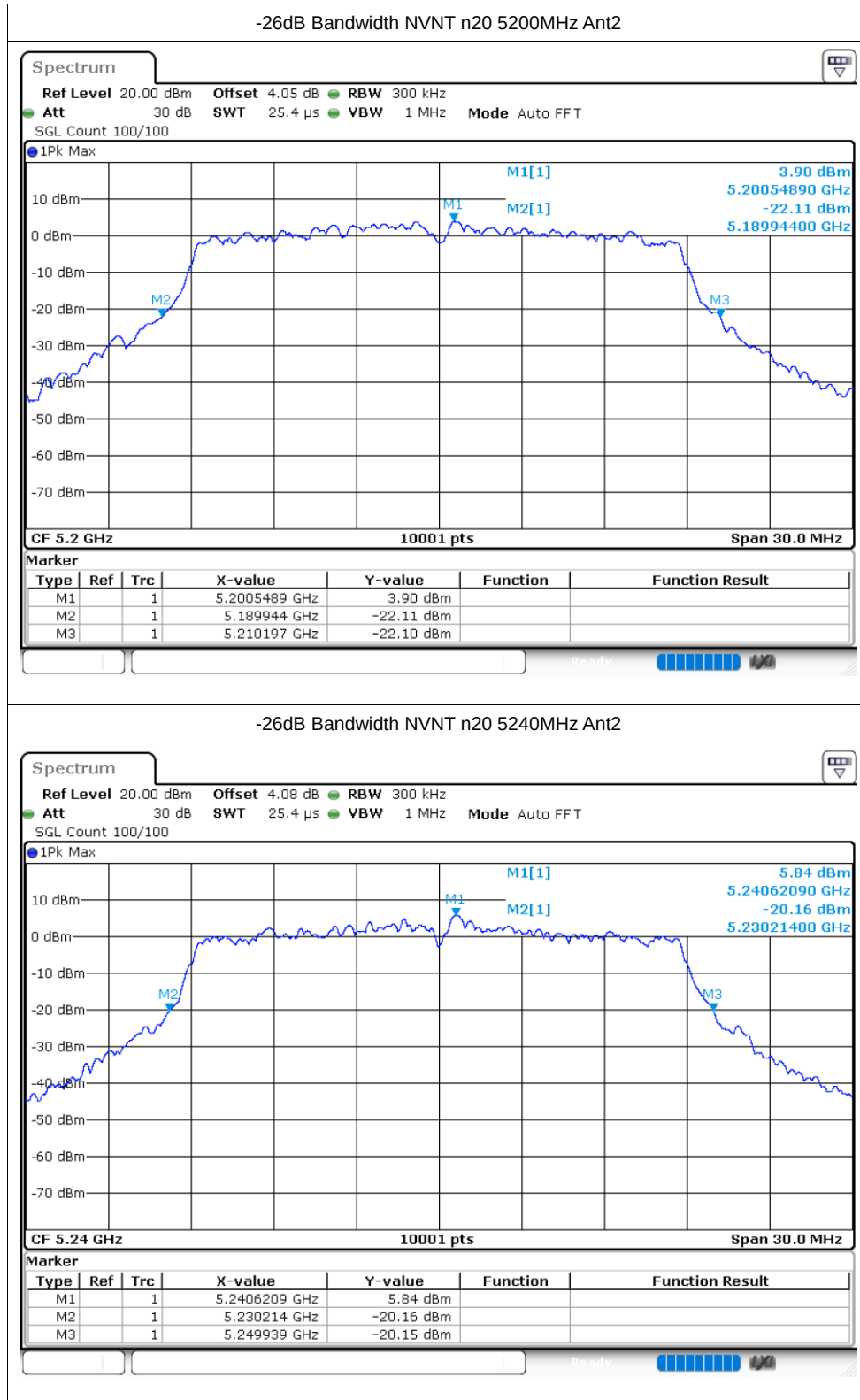


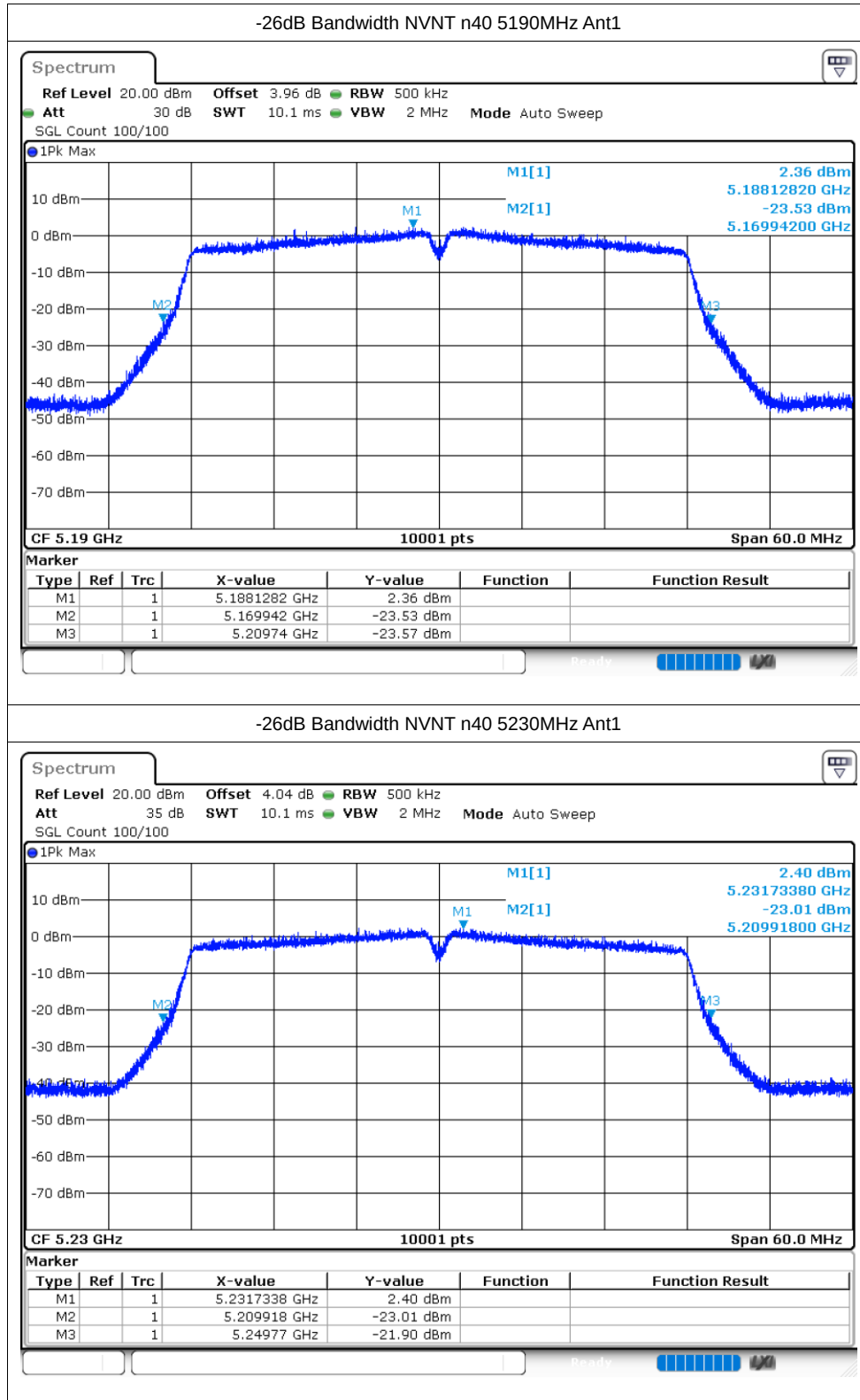
-26dB Bandwidth NVNT a 5240MHz Ant2



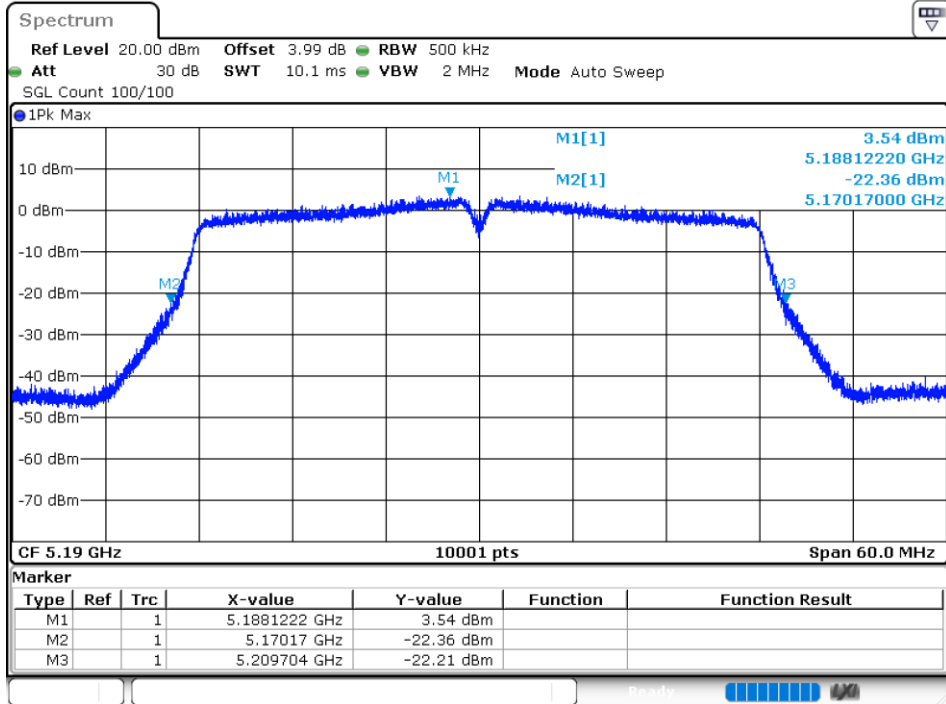




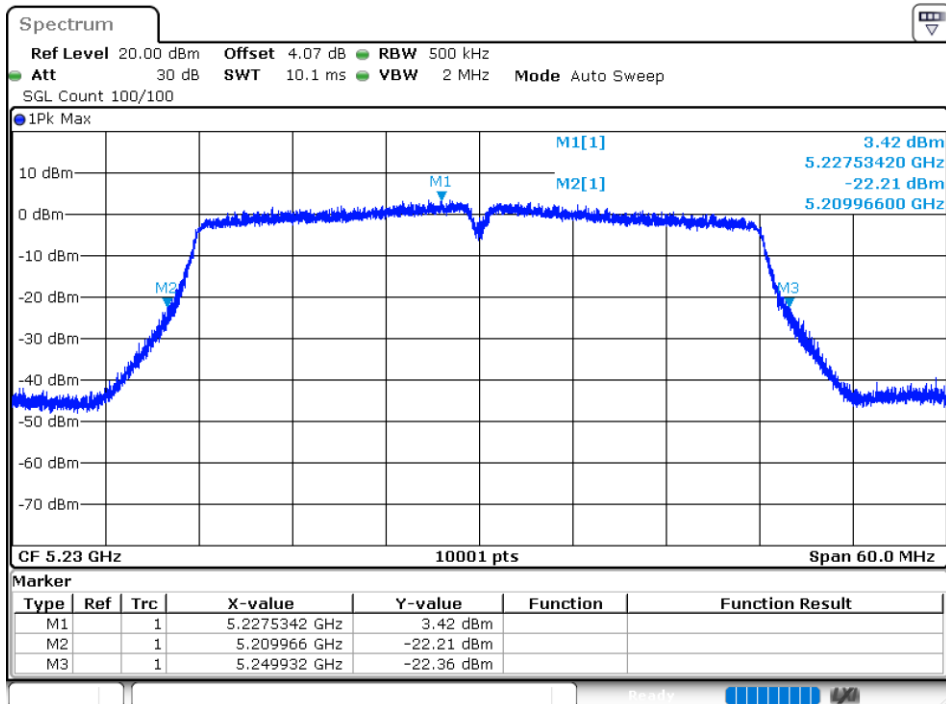


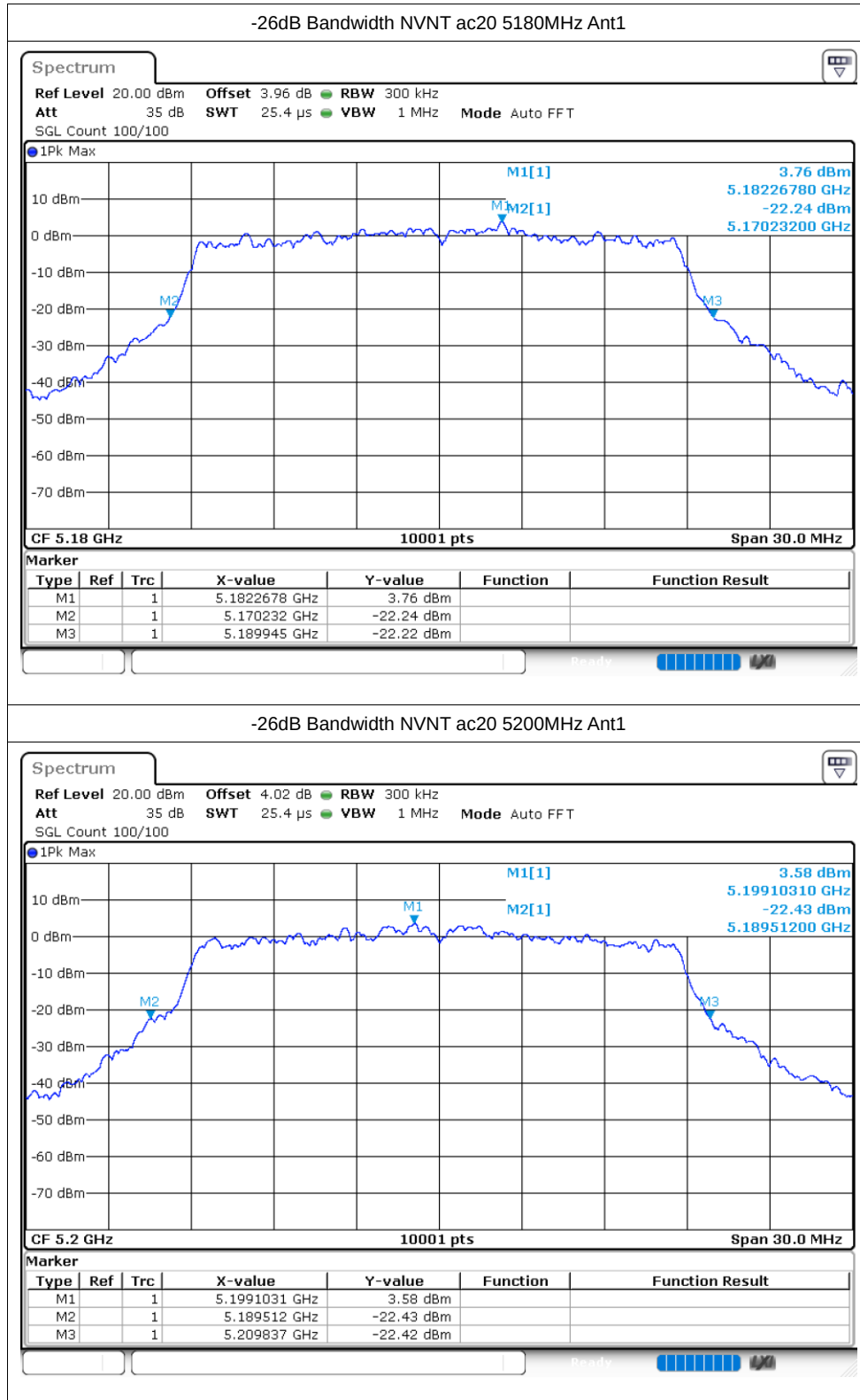


-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2



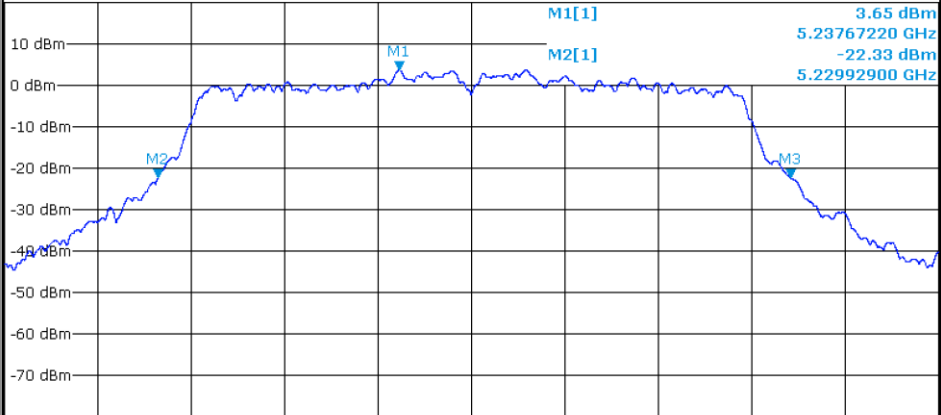


-26dB Bandwidth NVNT ac20 5240MHz Ant1

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

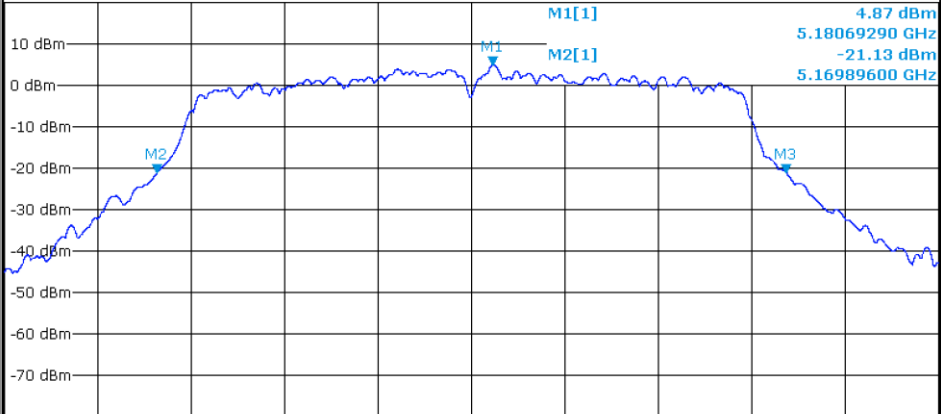
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2376722 GHz	3.65 dBm		
M2	1	1	5.229929 GHz	-22.33 dBm		
M3	1	1	5.250254 GHz	-22.36 dBm		

-26dB Bandwidth NVNT ac20 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

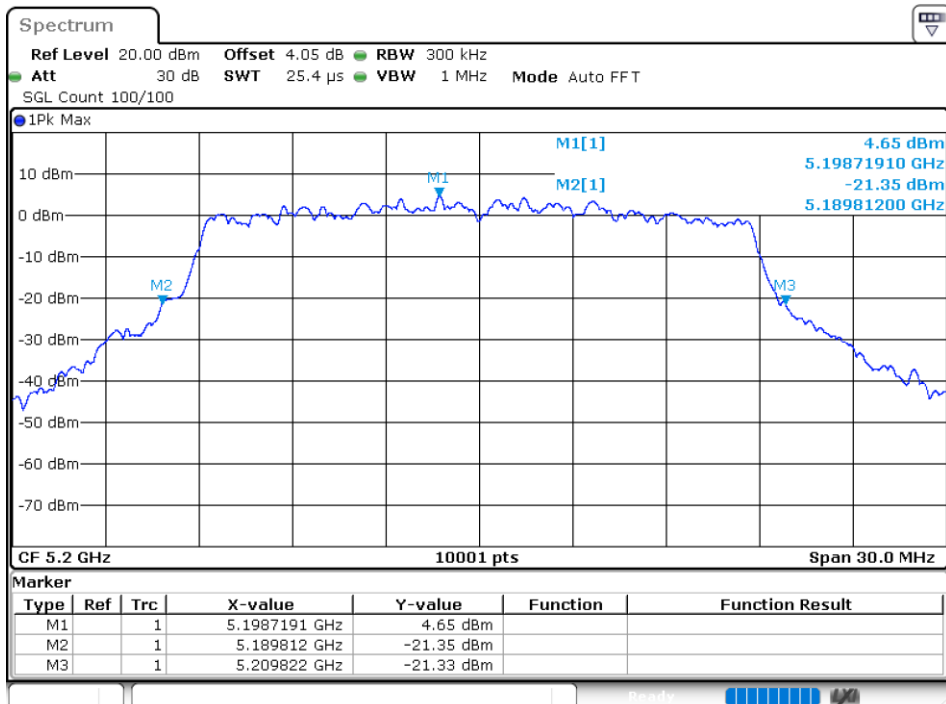
1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1806929 GHz	4.87 dBm		
M2	1	1	5.169896 GHz	-21.13 dBm		
M3	1	1	5.19011 GHz	-21.14 dBm		

-26dB Bandwidth NVNT ac20 5200MHz Ant2



-26dB Bandwidth NVNT ac20 5240MHz Ant2

