

5.2G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	49.92	3.02	0.72
NVNT	a	5200	Ant1	49.05	3.09	0.72
NVNT	a	5240	Ant1	54.67	2.62	0.72
NVNT	a	5180	Ant2	50.45	2.97	0.72
NVNT	a	5200	Ant2	50.36	2.98	0.72
NVNT	a	5240	Ant2	54.68	2.62	0.72
NVNT	n20	5180	Ant1	48.83	3.11	0.77
NVNT	n20	5200	Ant1	48.26	3.16	0.77
NVNT	n20	5240	Ant1	50.17	3	0.77
NVNT	n20	5180	Ant2	53.82	2.69	0.77
NVNT	n20	5200	Ant2	48.82	3.11	0.77
NVNT	n20	5240	Ant2	48.47	3.15	0.77
NVNT	n40	5190	Ant1	35.28	4.53	1.56
NVNT	n40	5230	Ant1	32.68	4.86	1.54
NVNT	n40	5190	Ant2	32.74	4.85	1.56
NVNT	n40	5230	Ant2	32.69	4.86	1.56
NVNT	ac20	5180	Ant1	48.34	3.16	0.77
NVNT	ac20	5200	Ant1	50.1	3	0.76
NVNT	ac20	5240	Ant1	49.14	3.09	0.77
NVNT	ac20	5180	Ant2	48.79	3.12	0.76
NVNT	ac20	5200	Ant2	49.45	3.06	0.76
NVNT	ac20	5240	Ant2	49.32	3.07	0.76
NVNT	ac40	5190	Ant1	35.67	4.48	1.54
NVNT	ac40	5230	Ant1	33.72	4.72	1.54
NVNT	ac40	5190	Ant2	32.58	4.87	1.54
NVNT	ac40	5230	Ant2	32.87	4.83	1.54
NVNT	ac80	5210	Ant1	19.06	7.2	3.13
NVNT	ac80	5210	Ant2	23.68	6.26	∞
NVNT	ax20	5180	Ant1	46.99	3.28	0.99
NVNT	ax20	5200	Ant1	42.56	3.71	0.99
NVNT	ax20	5240	Ant1	45.4	3.43	0.98
NVNT	ax20	5180	Ant2	42.14	3.75	0.99
NVNT	ax20	5200	Ant2	43.47	3.62	0.98
NVNT	ax20	5240	Ant2	42.15	3.75	0.99
NVNT	ax40	5190	Ant1	29.86	5.25	1.89

NVNT	ax40	5230	Ant1	33.33	4.77	1.85
NVNT	ax40	5190	Ant2	33.25	4.78	1.89
NVNT	ax40	5230	Ant2	33.18	4.79	1.85
NVNT	ax80	5210	Ant1	18.97	7.22	3.57
NVNT	ax80	5210	Ant2	16.66	7.78	3.45

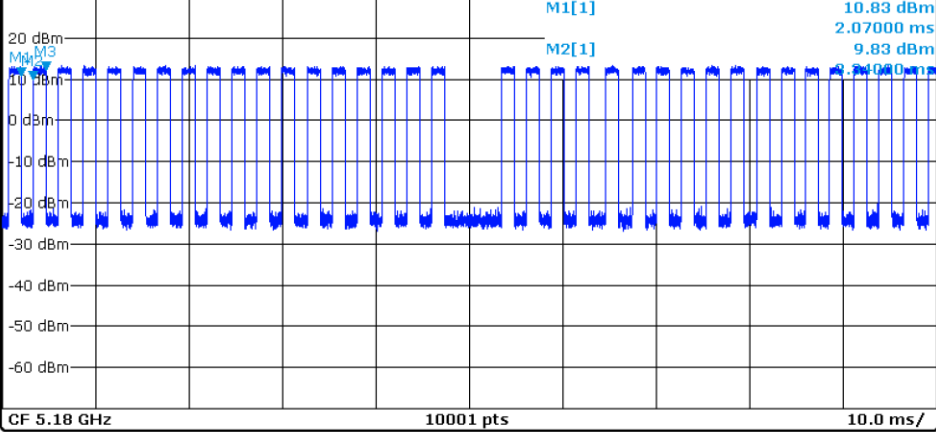
Test Graphs

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

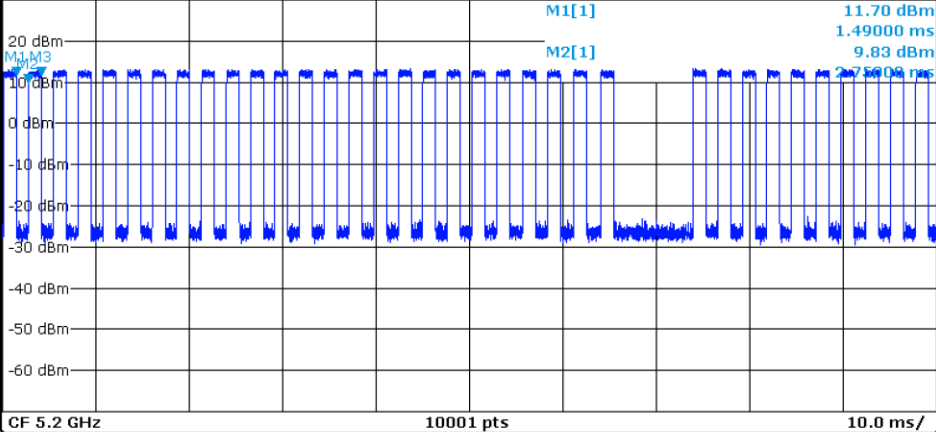
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.07 ms	10.83 dBm		
M2	1		3.34 ms	9.83 dBm		
M3	1		4.73 ms	12.13 dBm		

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

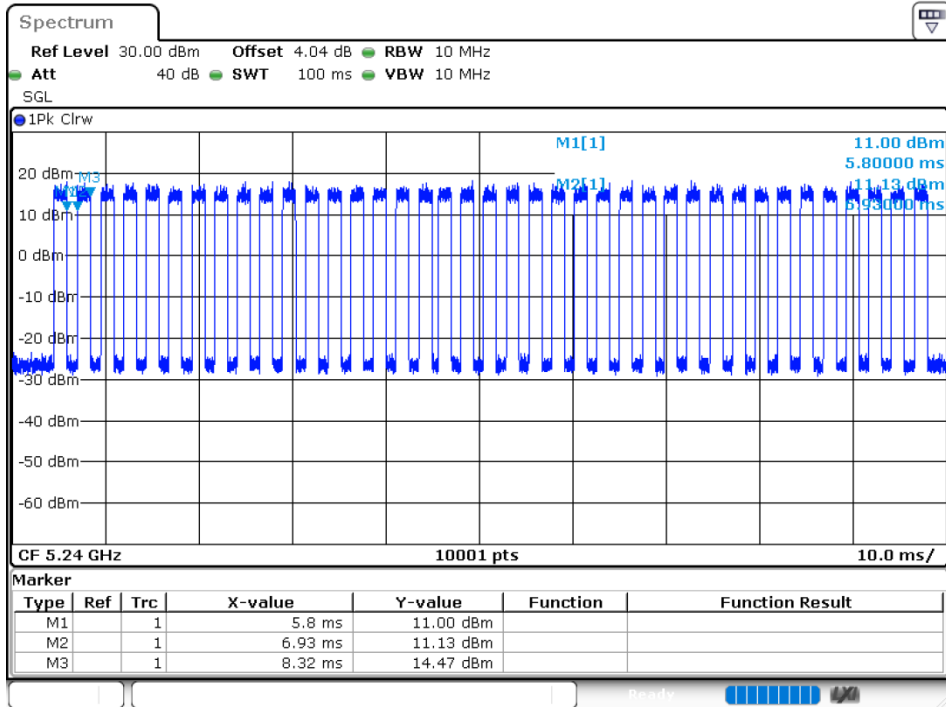
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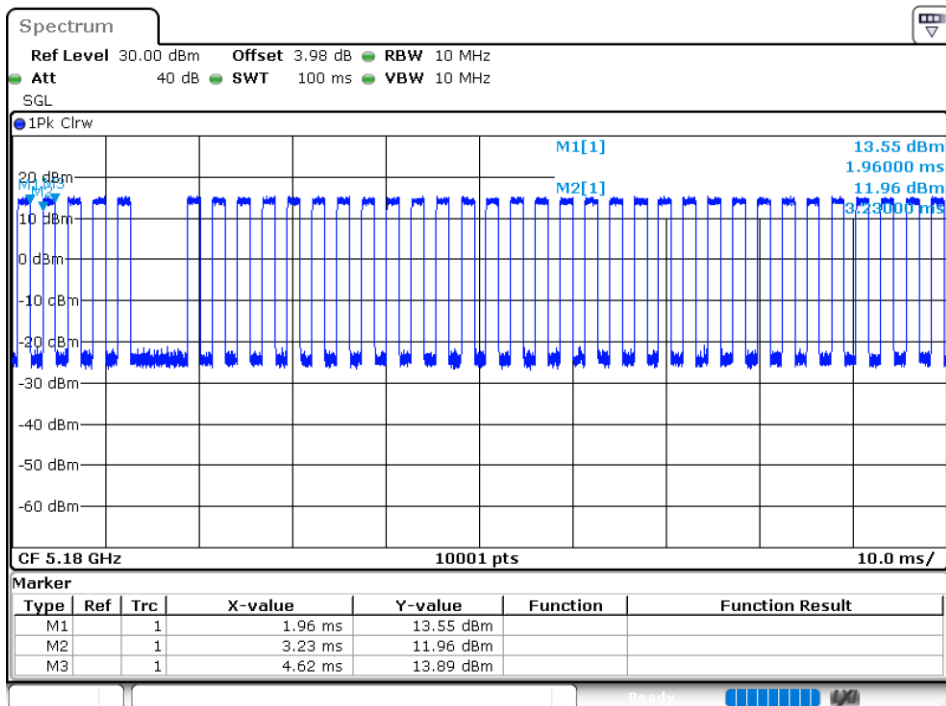
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.49 ms	11.70 dBm		
M2	1		2.75 ms	9.83 dBm		
M3	1		4.14 ms	11.50 dBm		

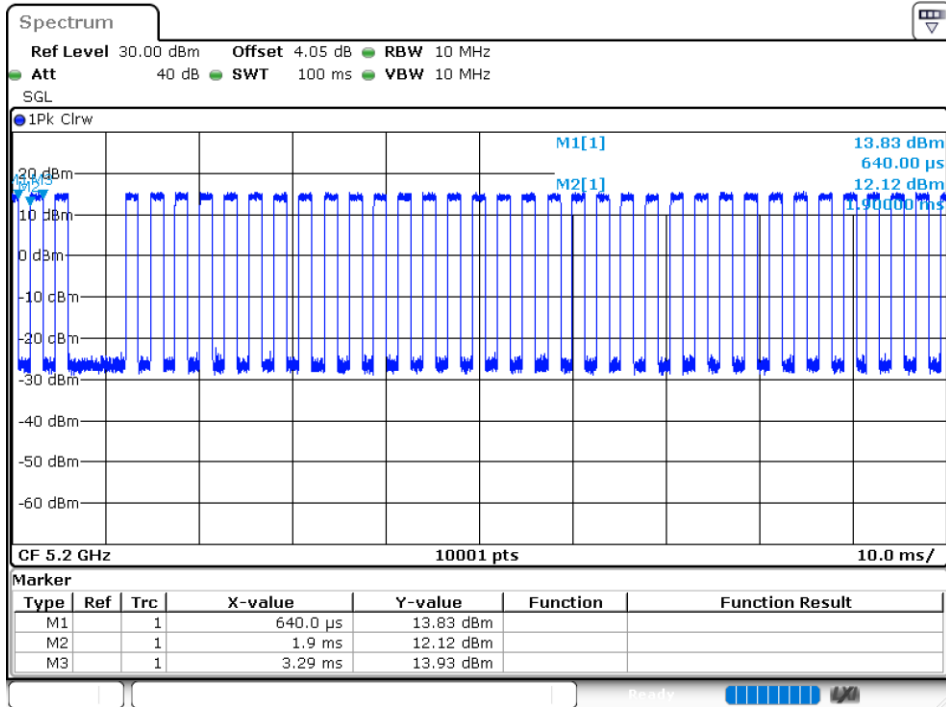
Duty Cycle NVNT a 5240MHz Ant1



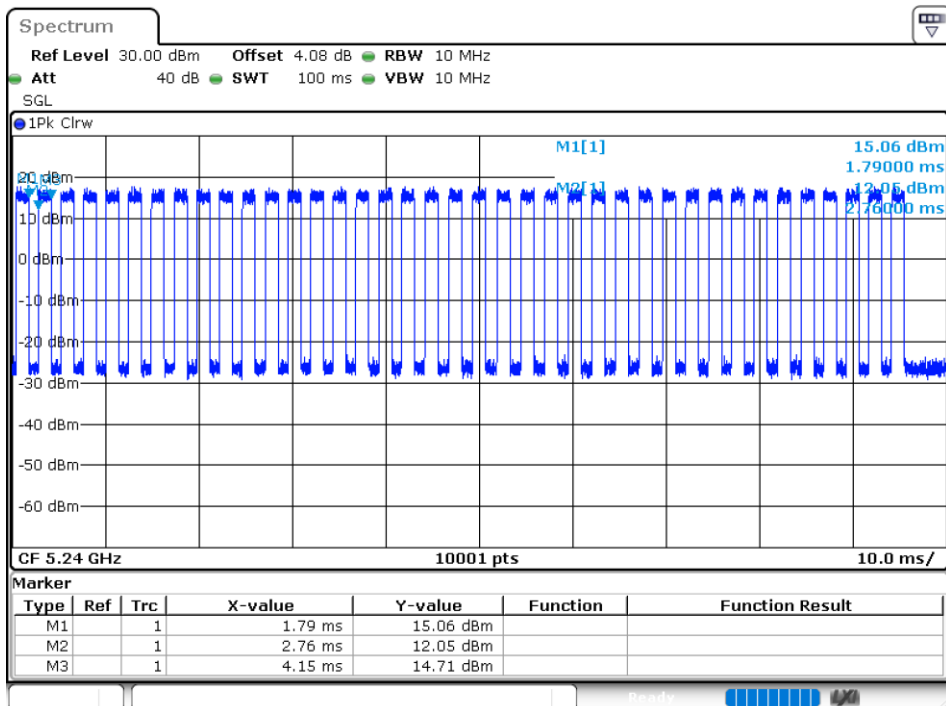
Duty Cycle NVNT a 5180MHz Ant2



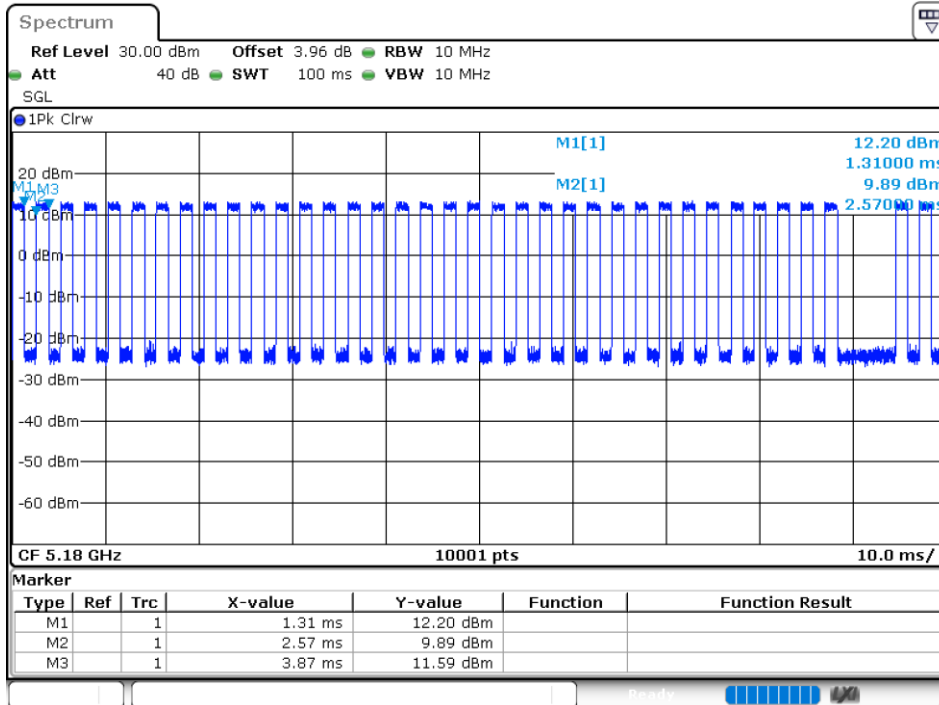
Duty Cycle NVNT a 5200MHz Ant2



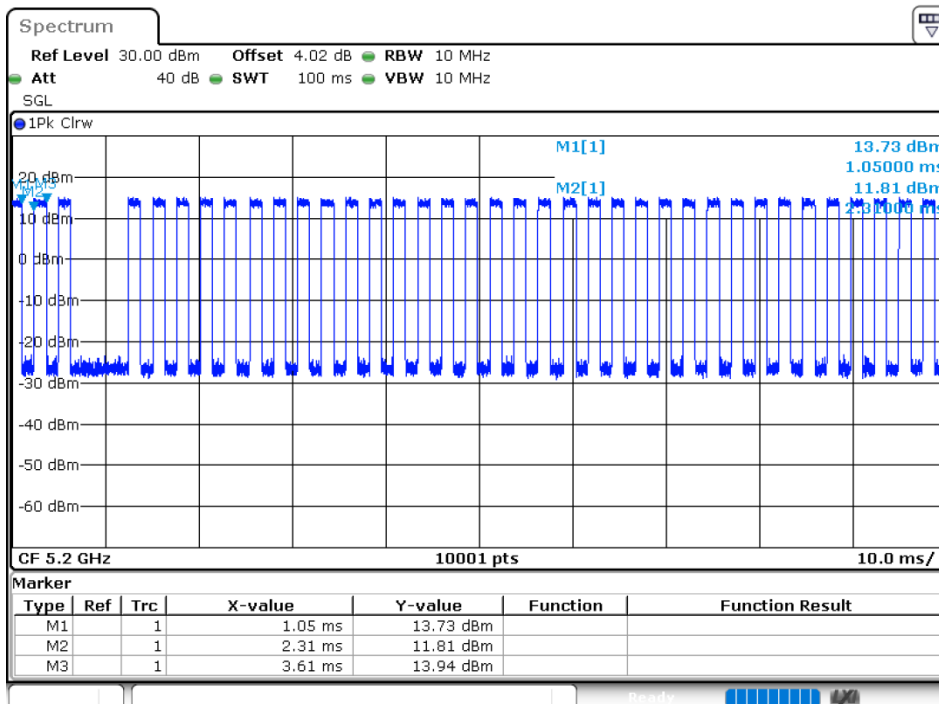
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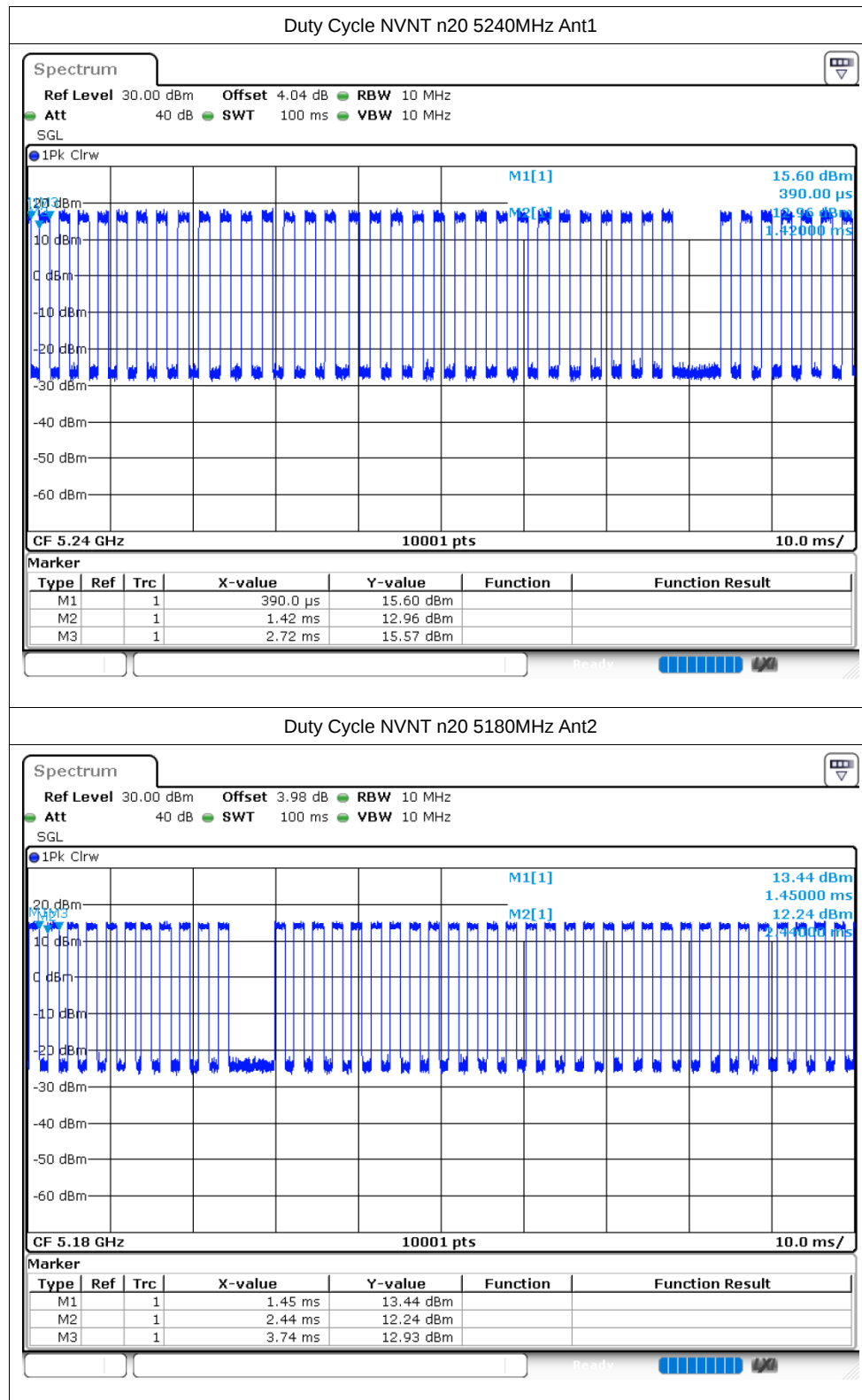


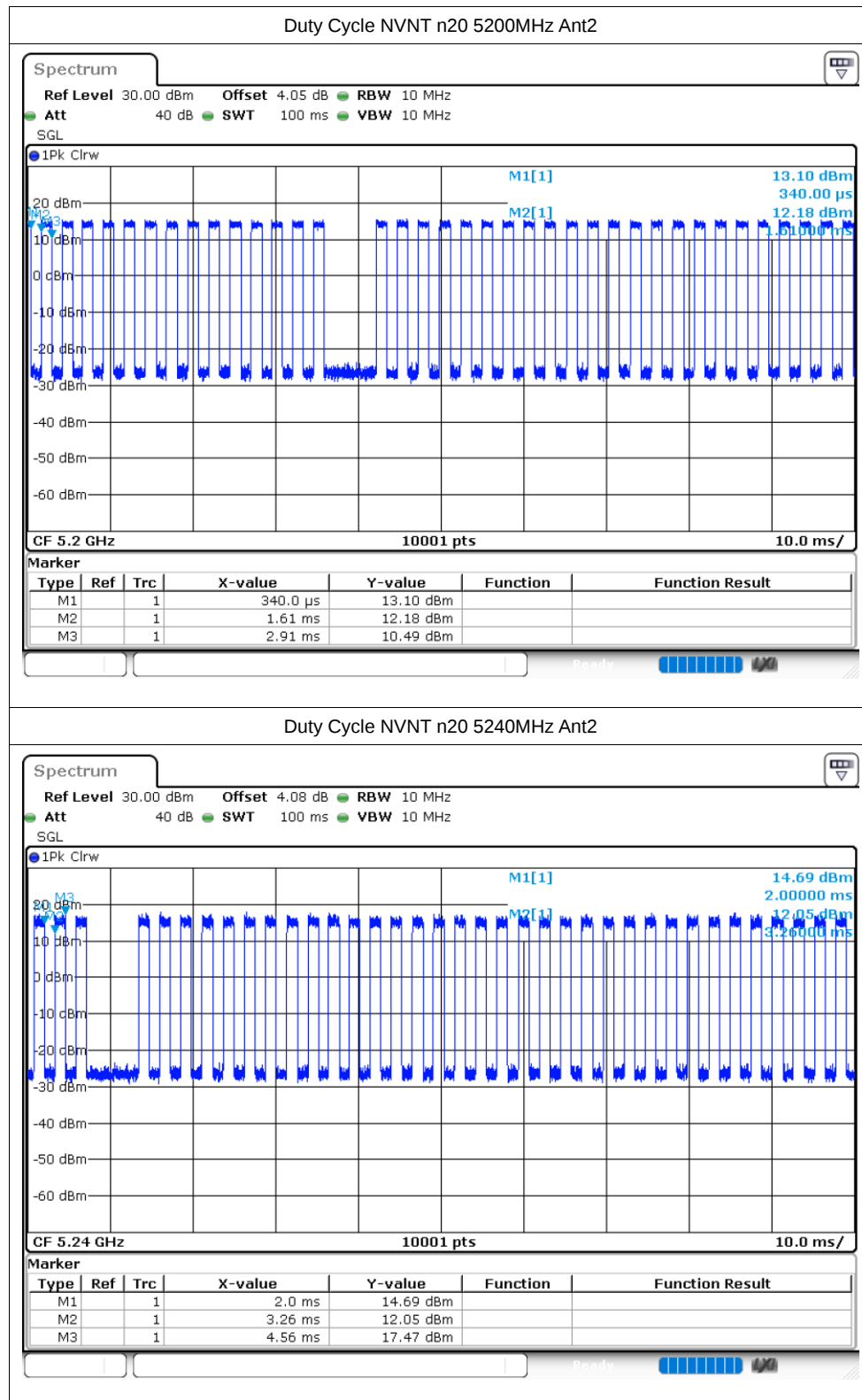
Duty Cycle NVNT n20 5180MHz Ant1

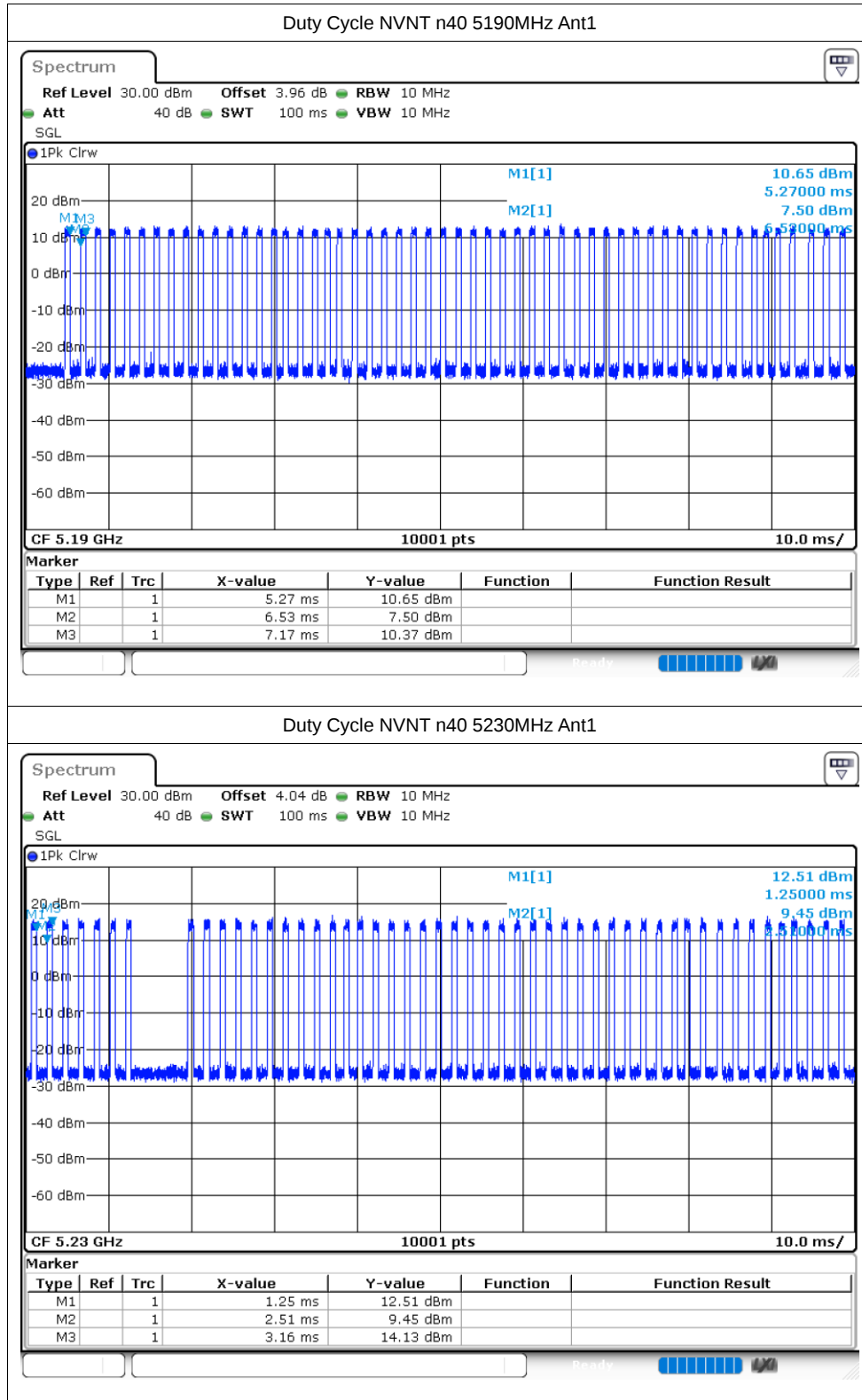


Duty Cycle NVNT n20 5200MHz Ant1

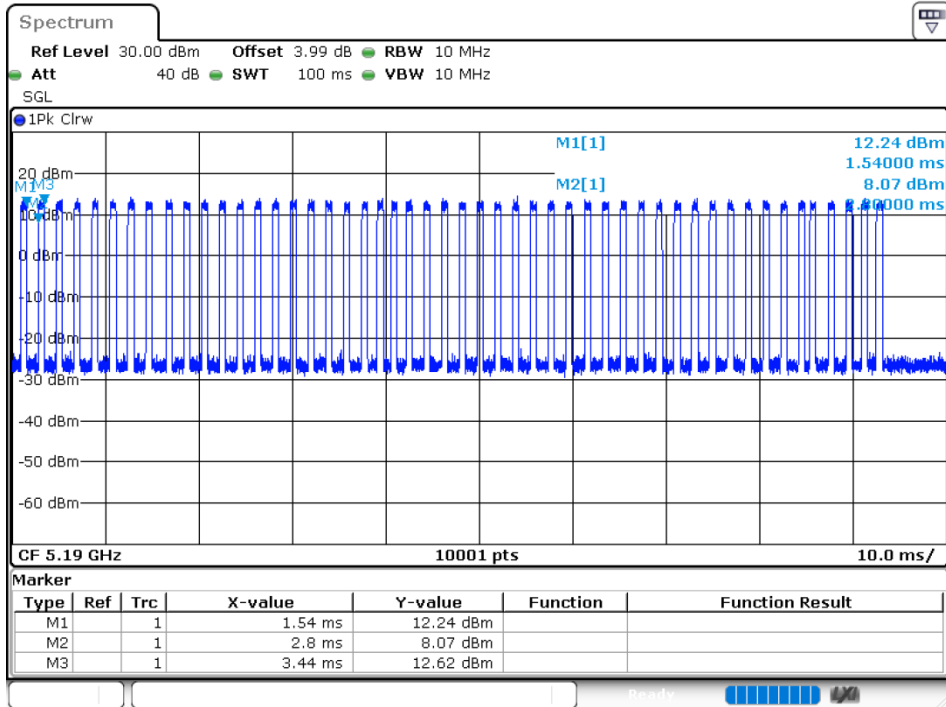




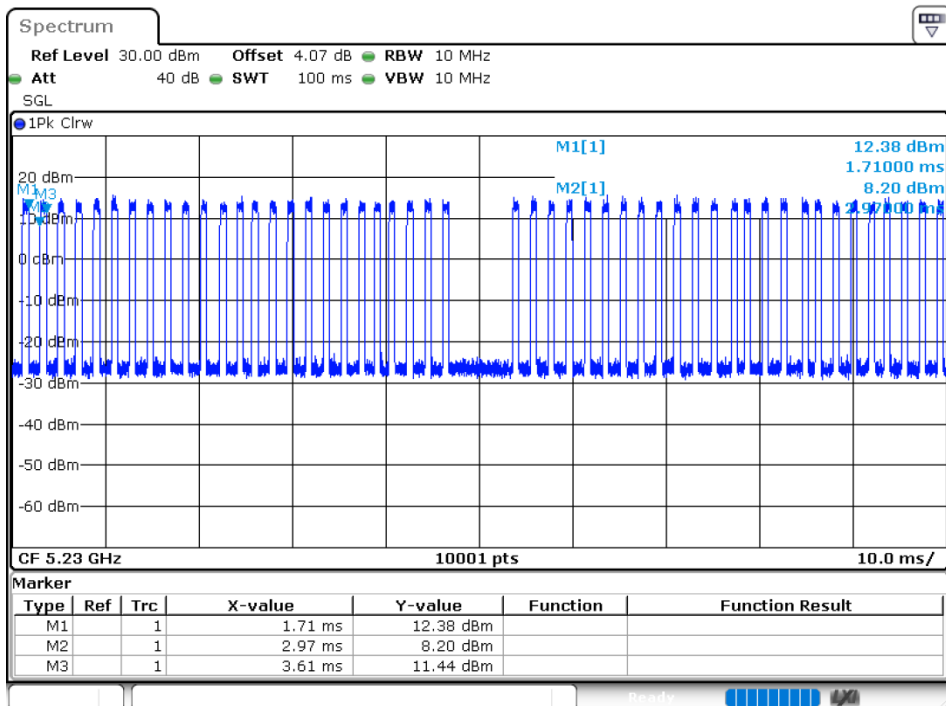


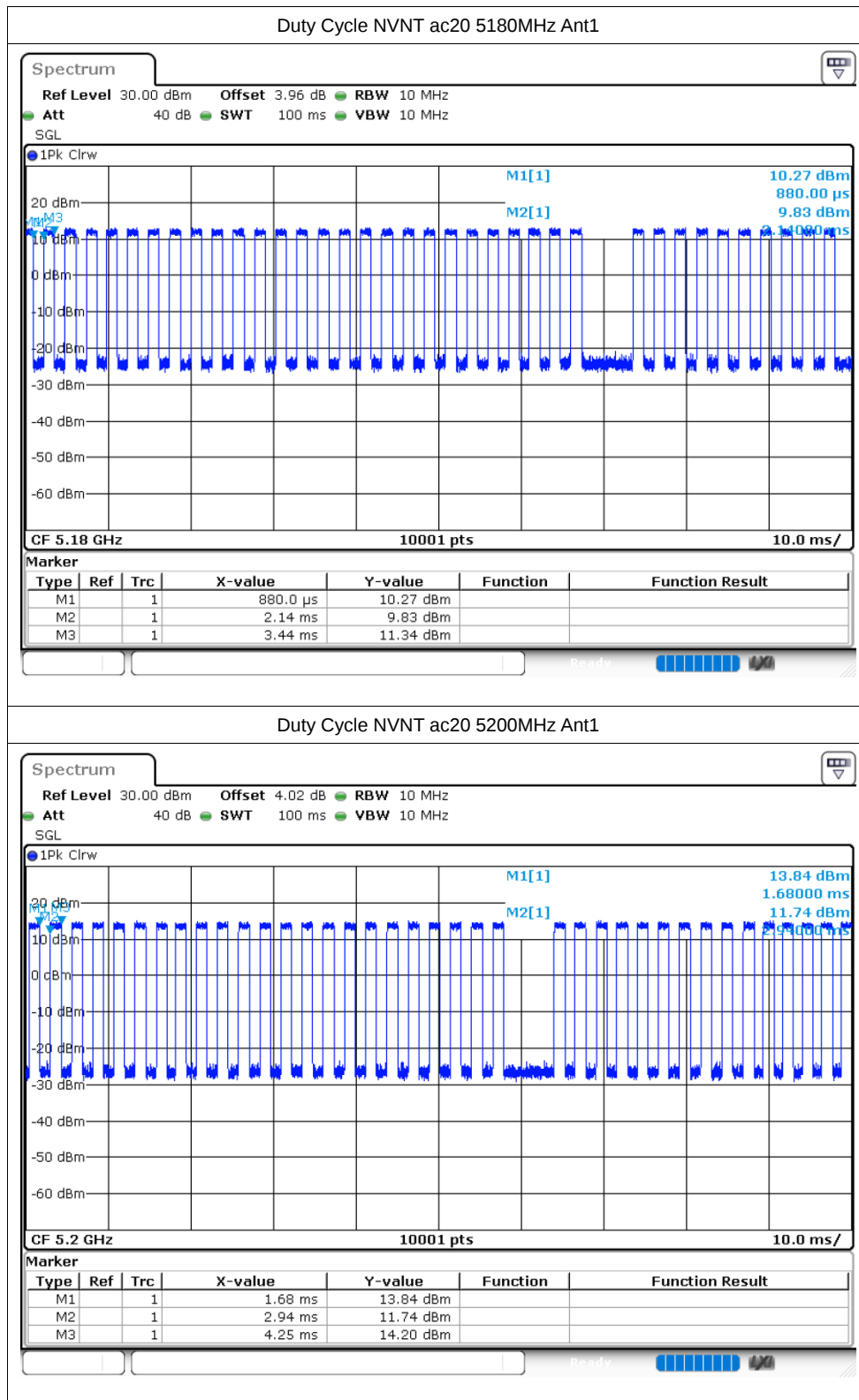


Duty Cycle NVNT n40 5190MHz Ant2

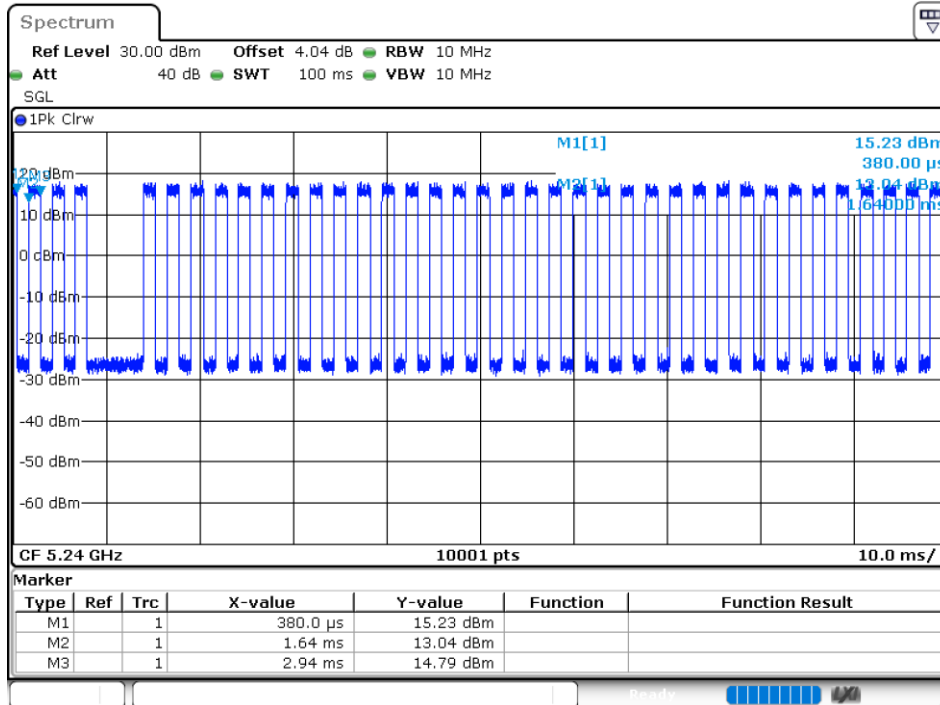


Duty Cycle NVNT n40 5230MHz Ant2

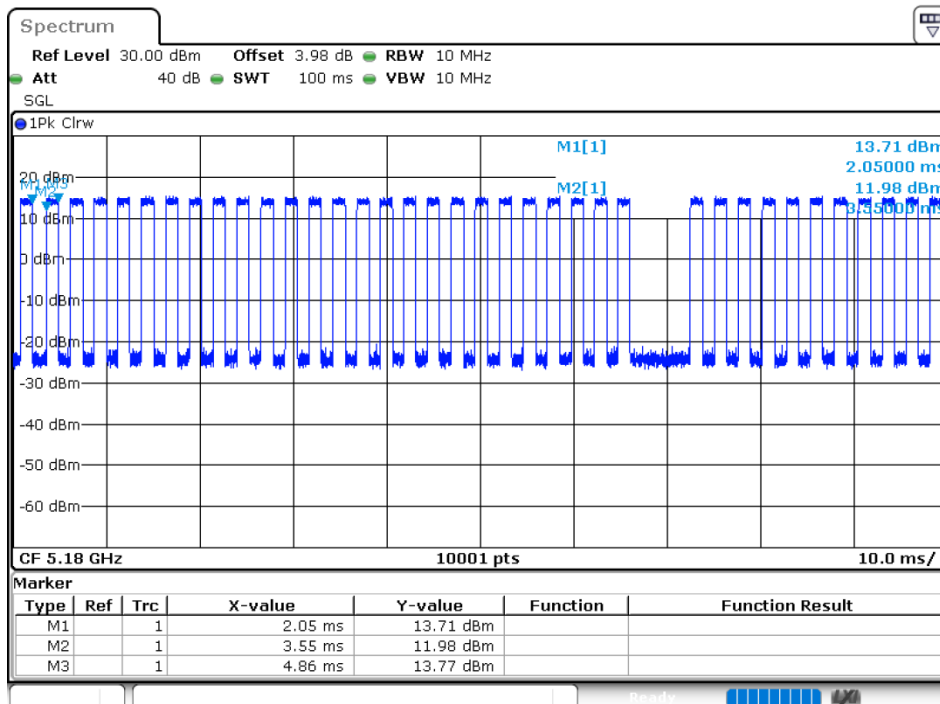




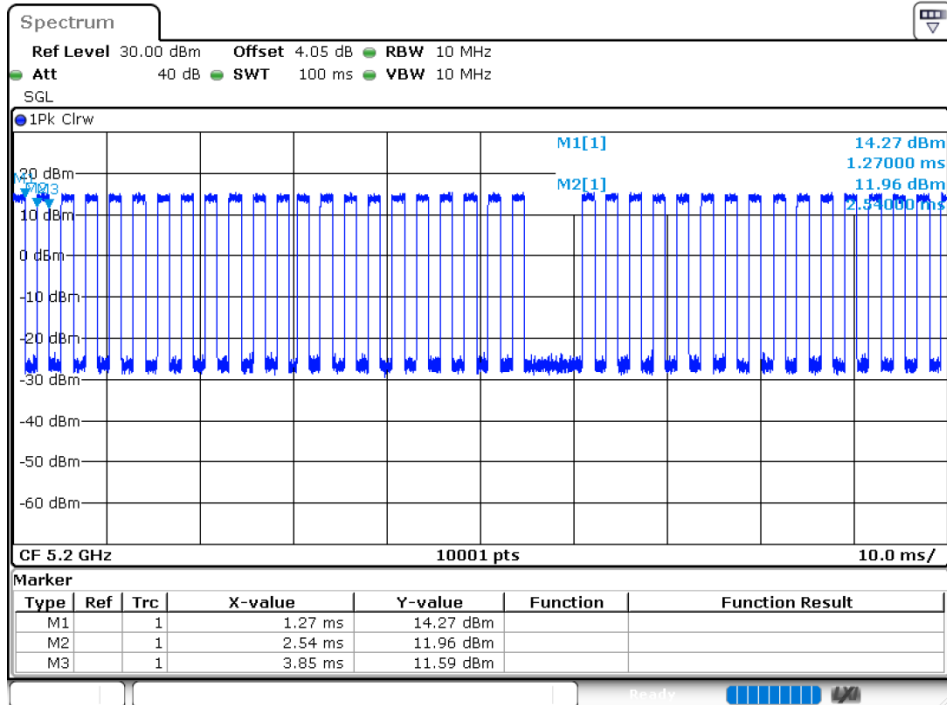
Duty Cycle NVNT ac20 5240MHz Ant1



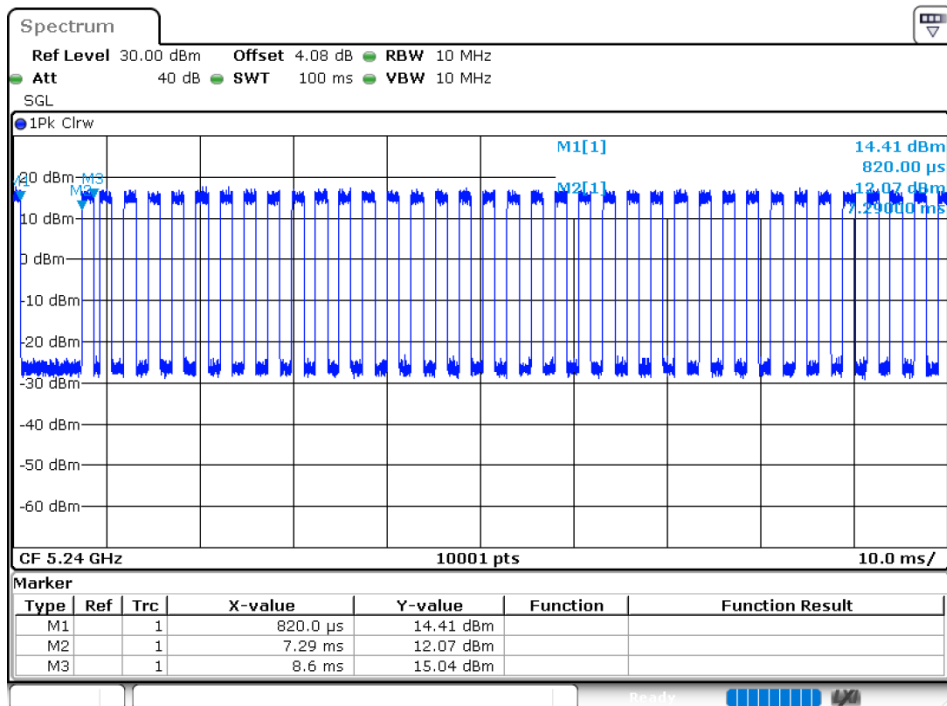
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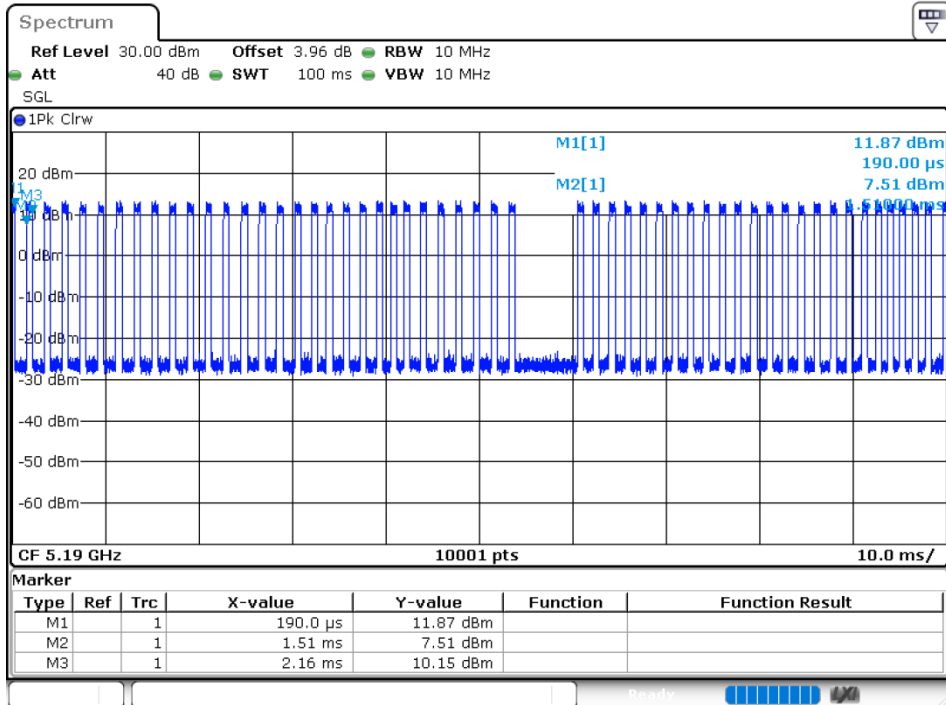
Duty Cycle NVNT ac20 5200MHz Ant2



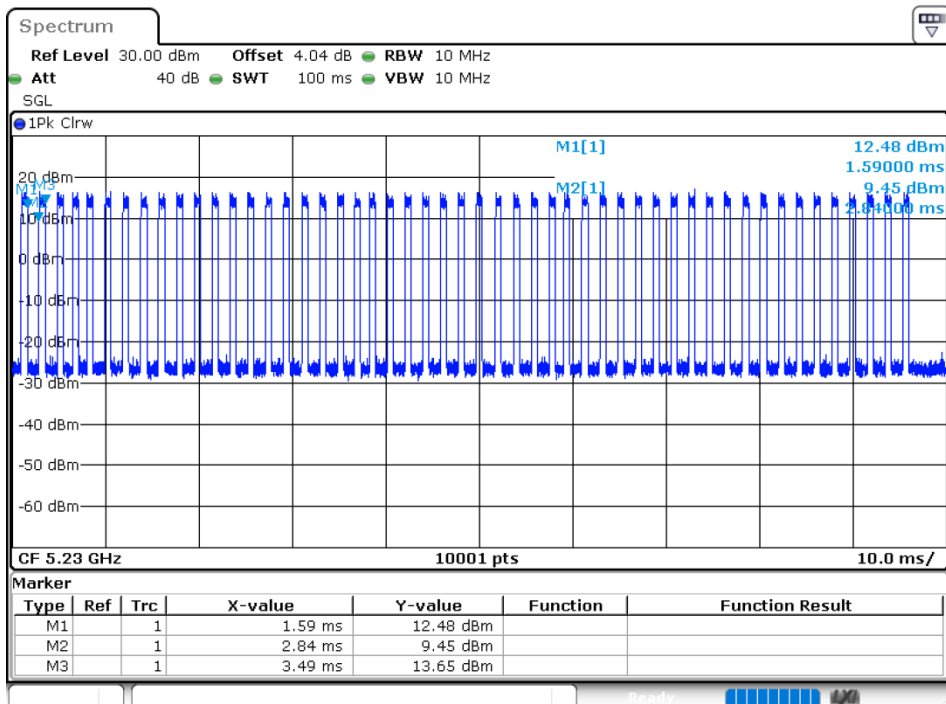
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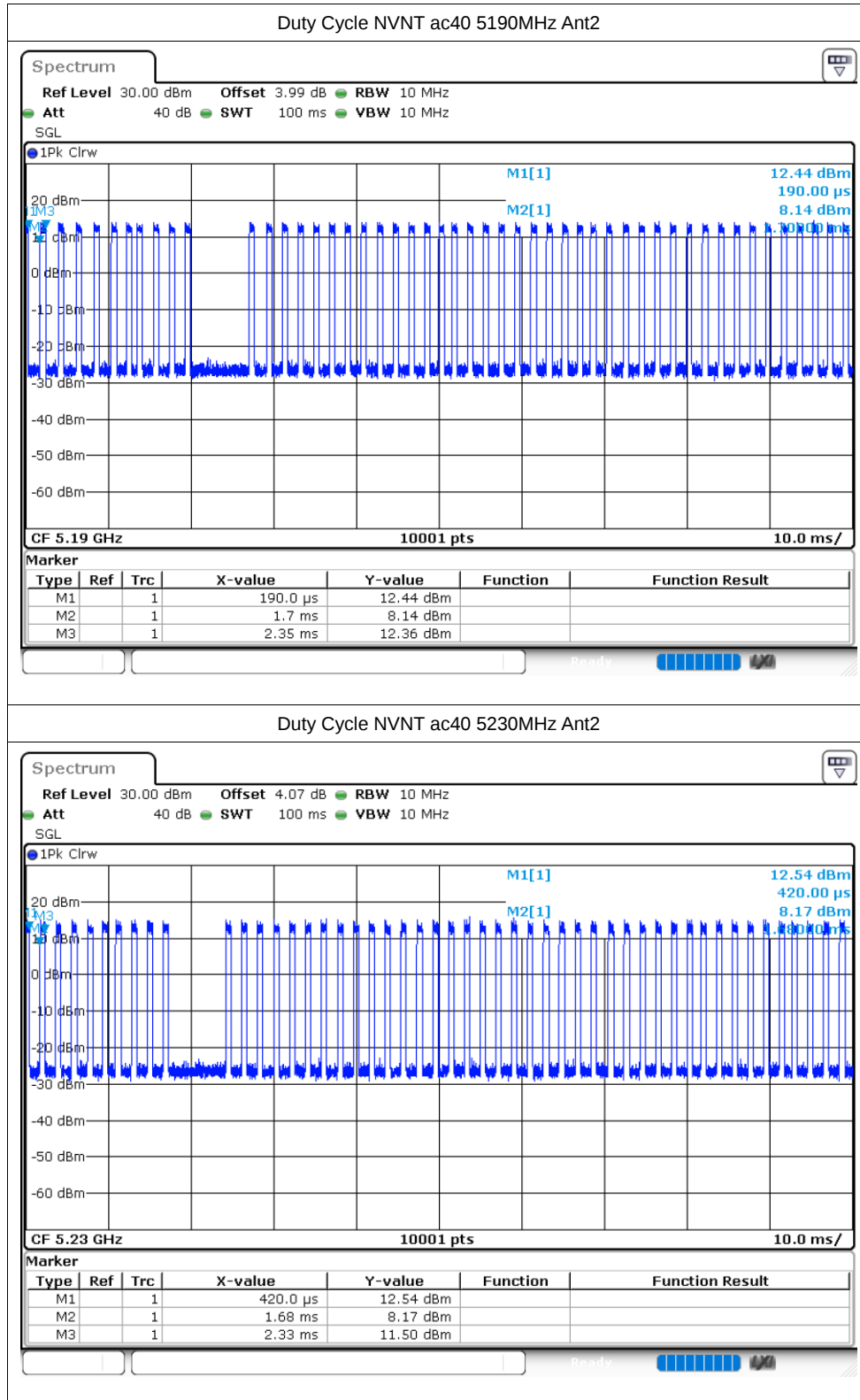


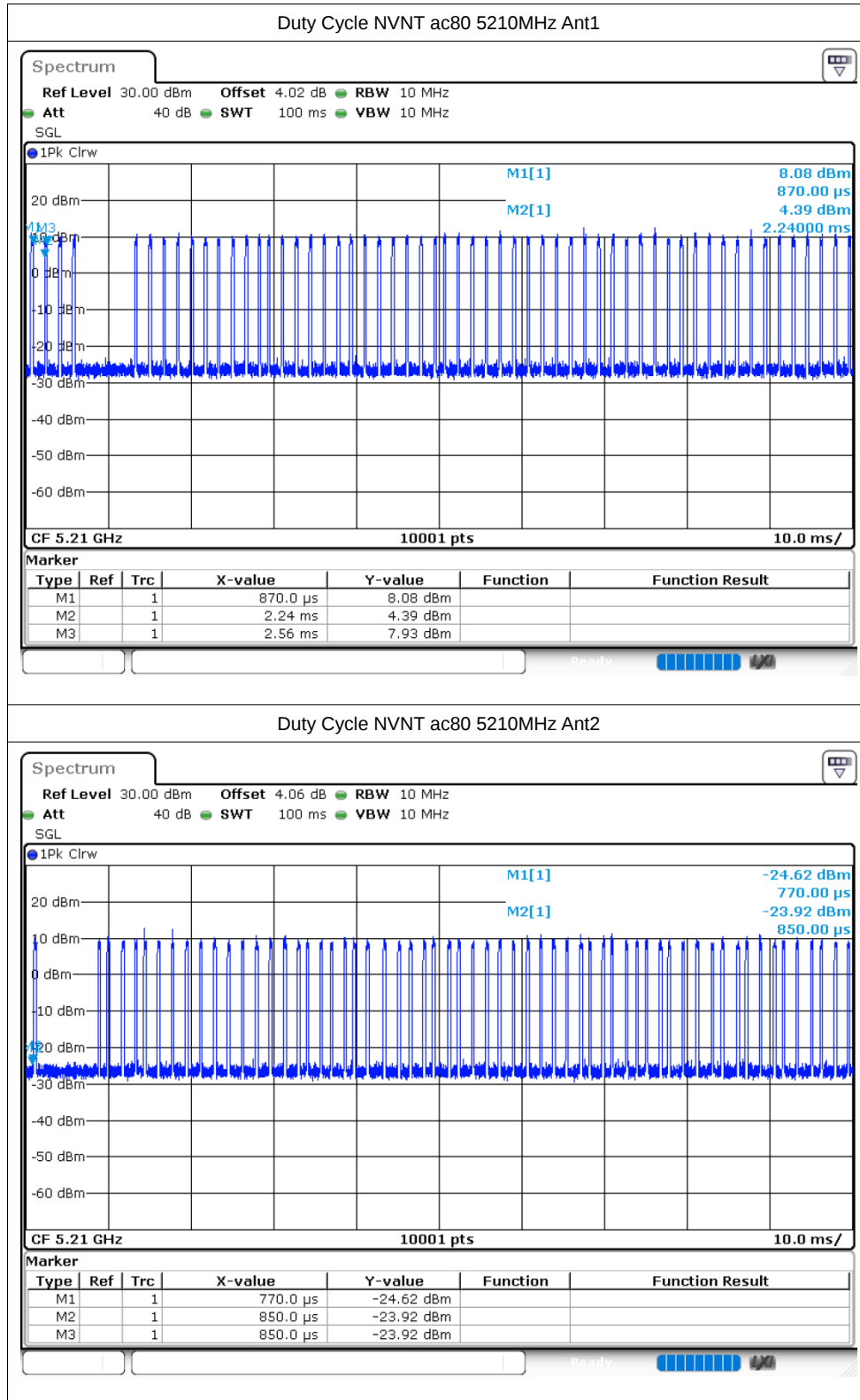
Duty Cycle NVNT ac40 5190MHz Ant1

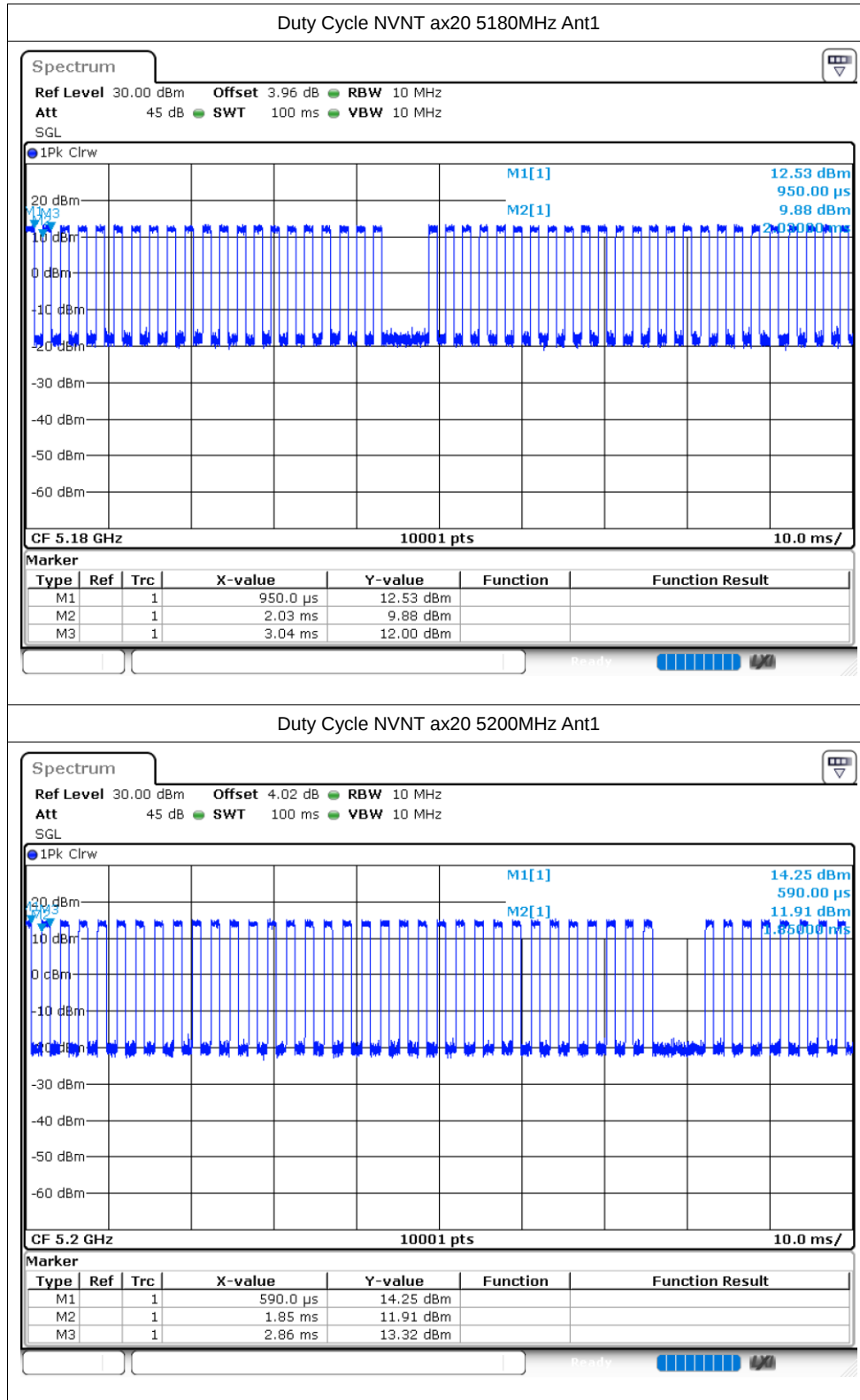


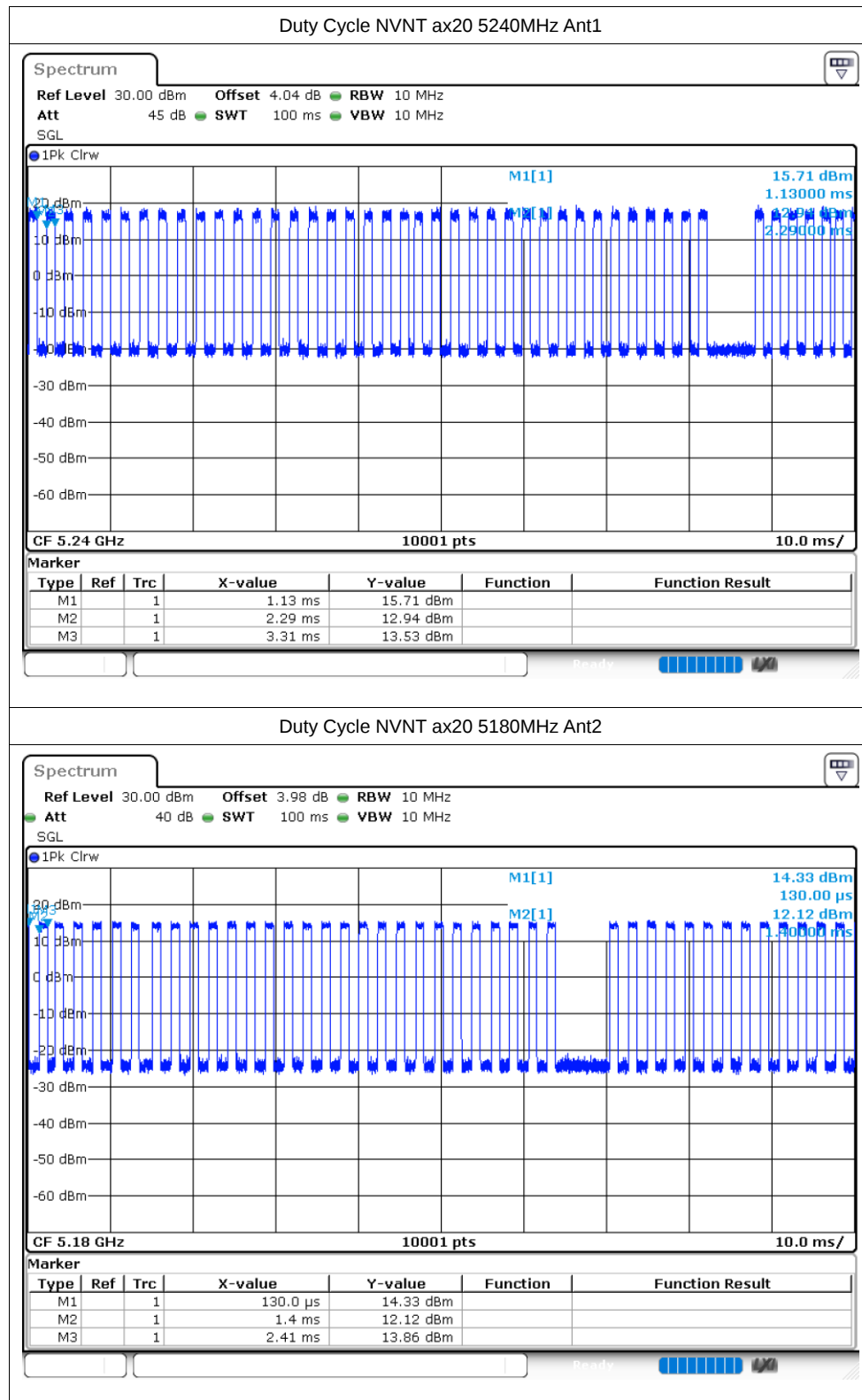
Duty Cycle NVNT ac40 5230MHz Ant1

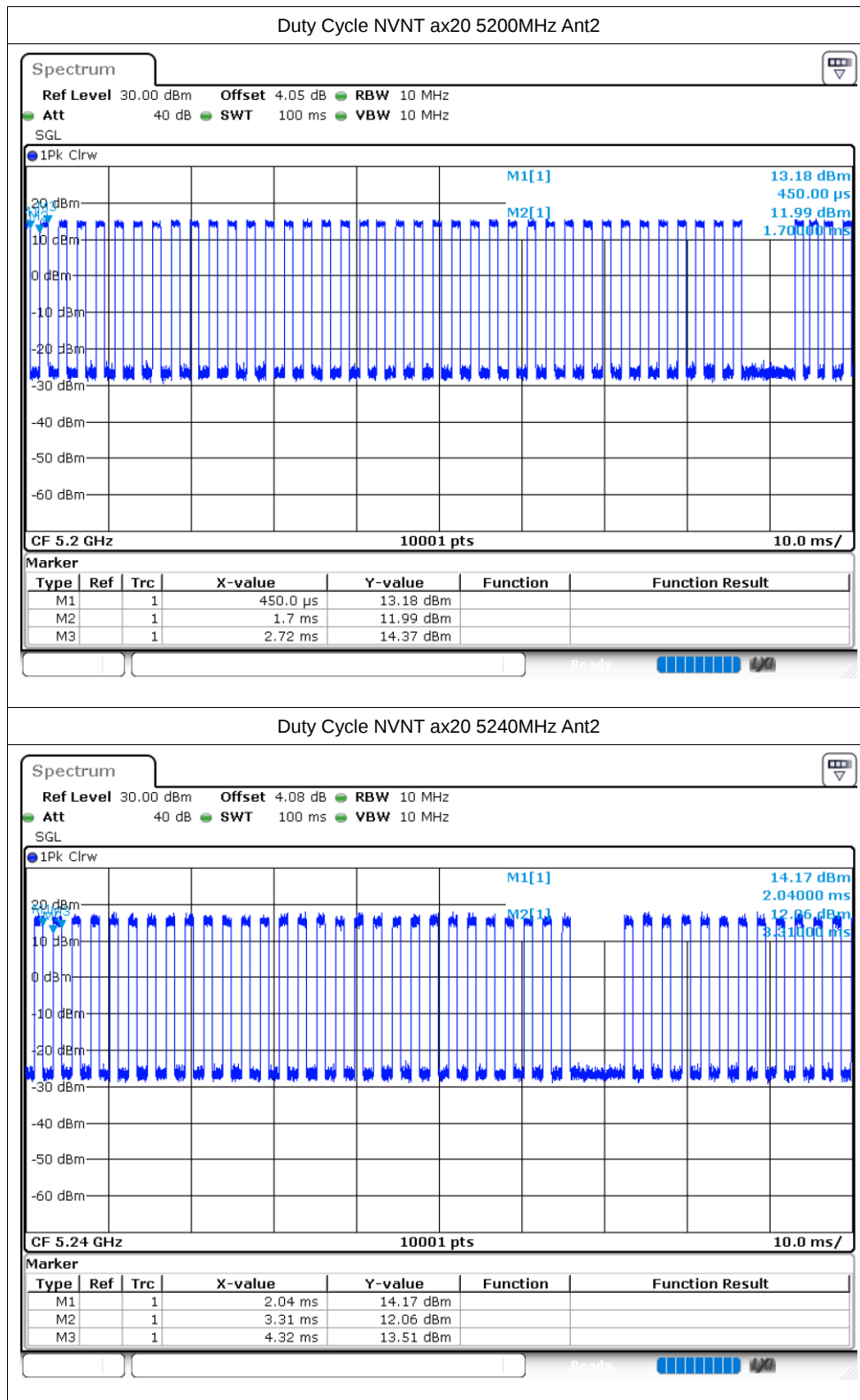


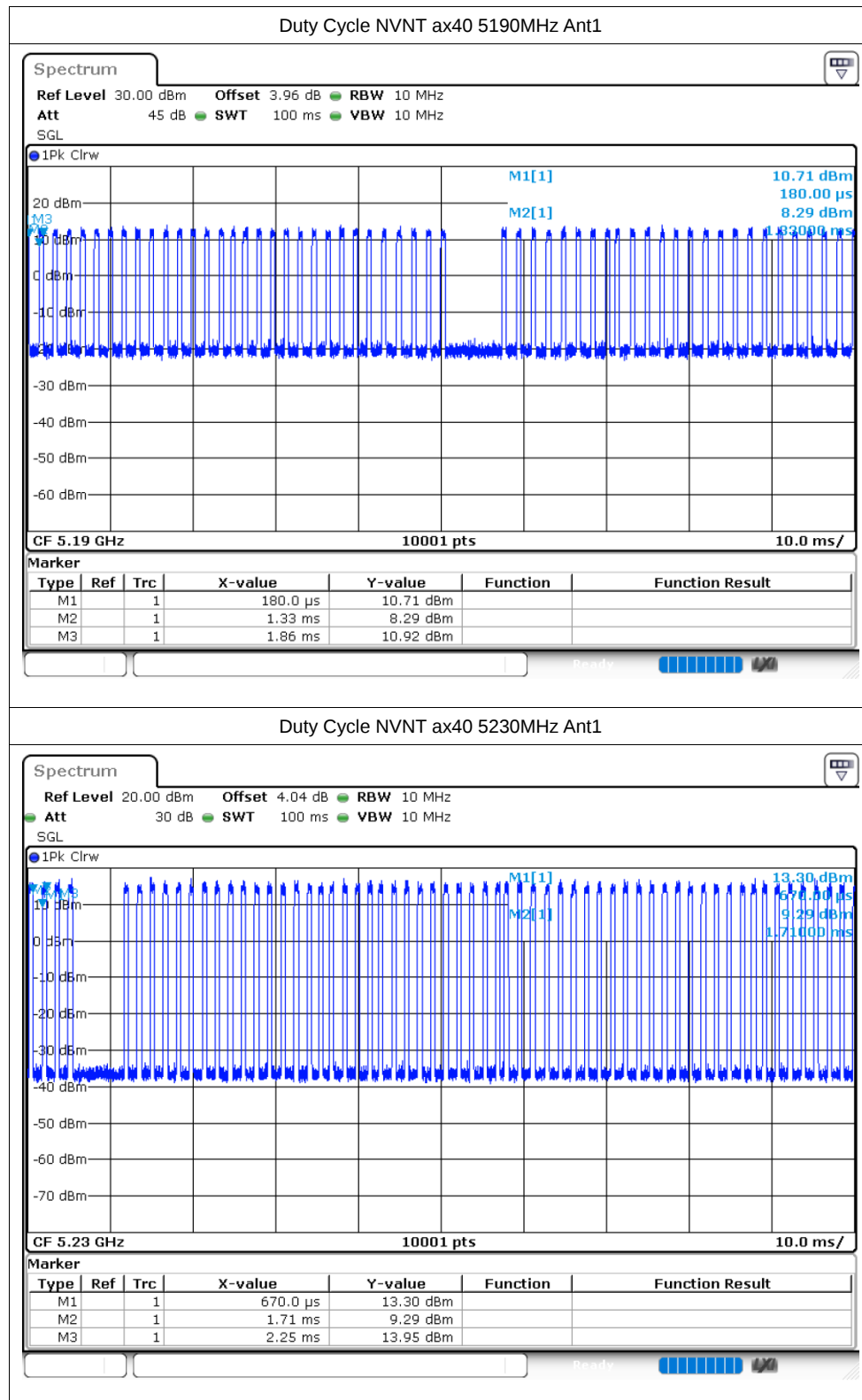


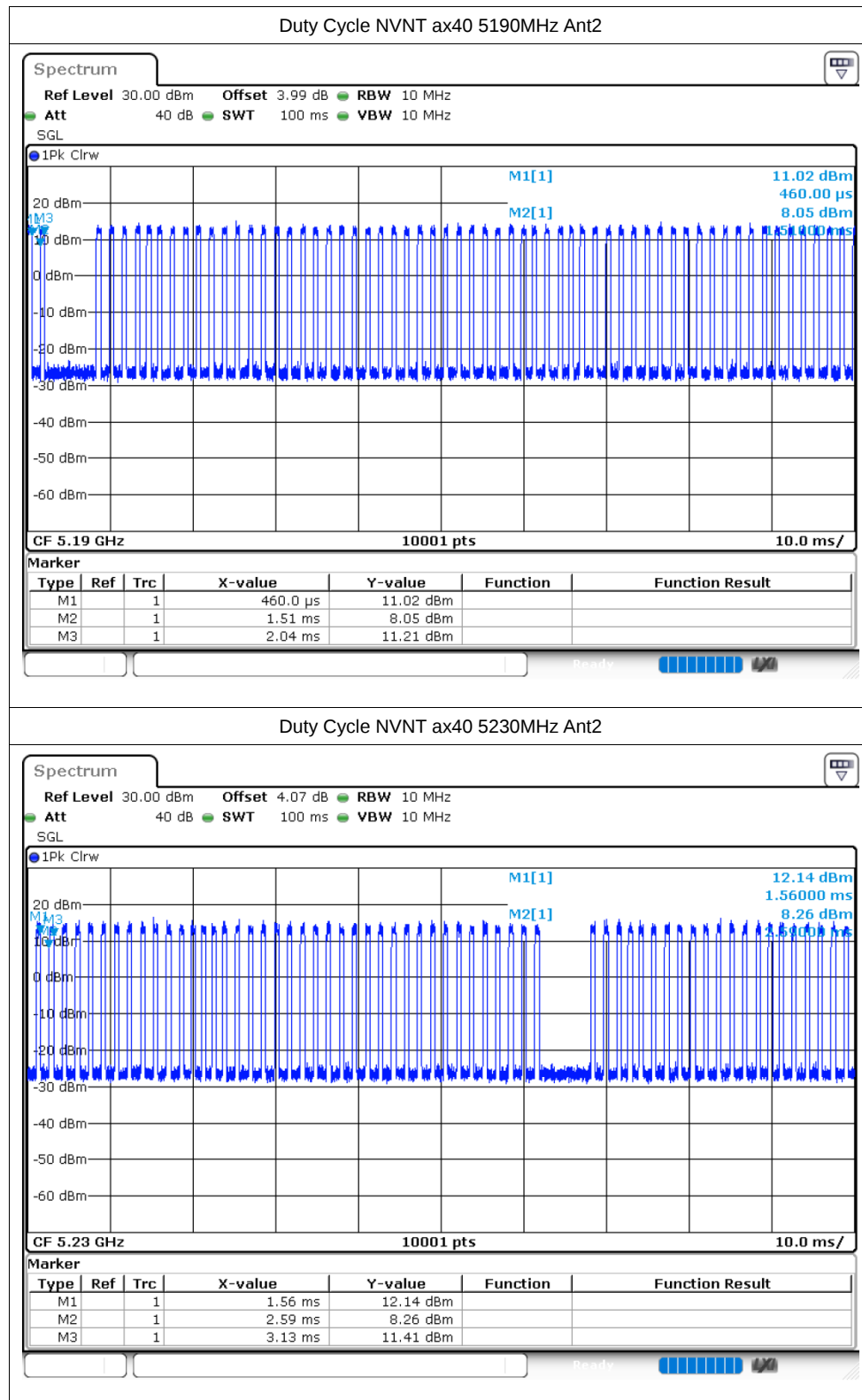


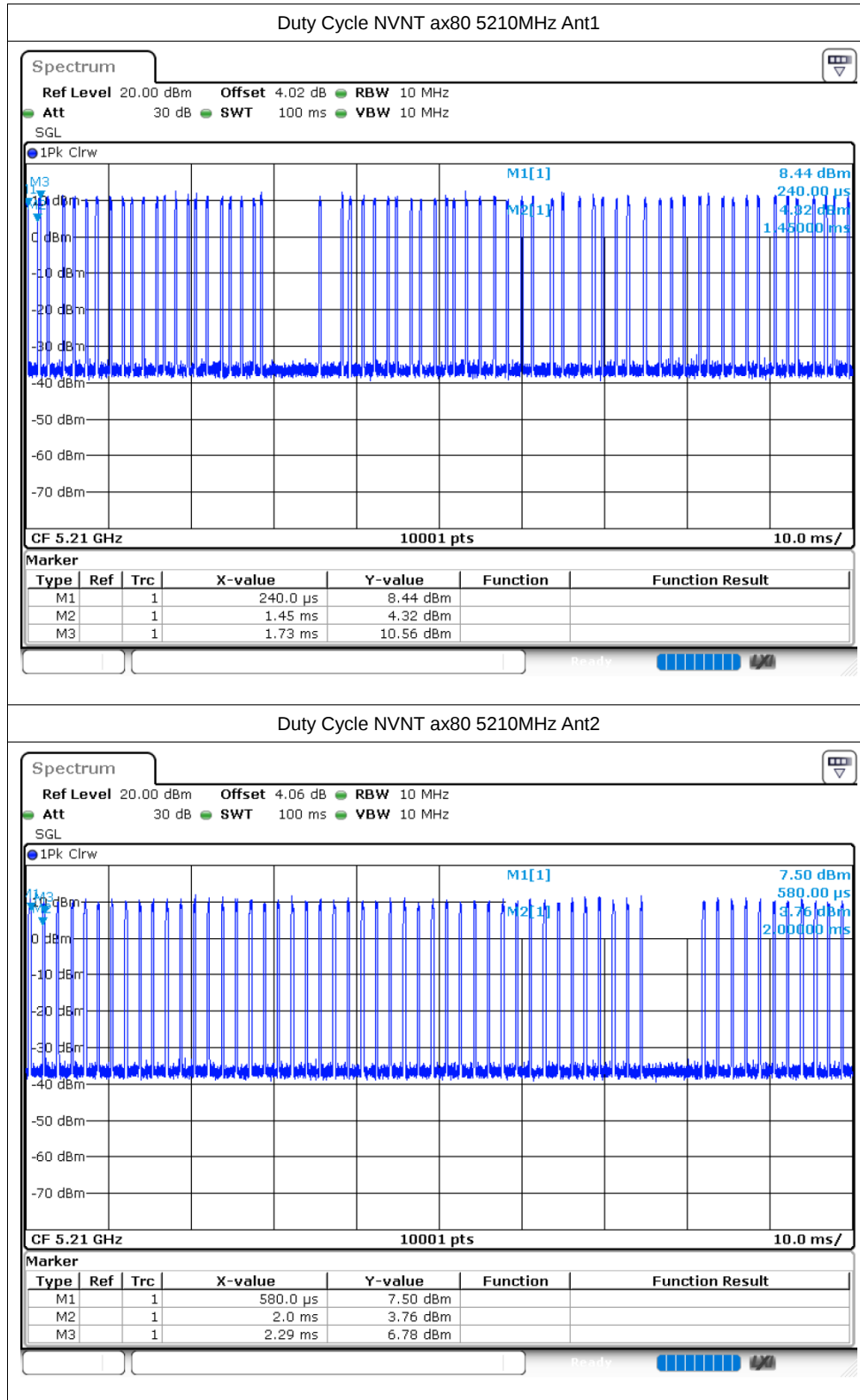












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	8.82	24	Pass
NVNT	a	5200	Ant1	7.82	24	Pass
NVNT	a	5240	Ant1	9.44	24	Pass
NVNT	a	5180	Ant2	11.46	24	Pass
NVNT	a	5200	Ant2	11.2	24	Pass
NVNT	a	5240	Ant2	10.32	24	Pass
NVNT	n20	5180	Ant1	11.00	24	Pass
NVNT	n20	5200	Ant1	11.60	24	Pass
NVNT	n20	5240	Ant1	11.64	24	Pass
NVNT	n20	5180	Ant2	11.55	24	Pass
NVNT	n20	5200	Ant2	11.05	24	Pass
NVNT	n20	5240	Ant2	10.26	24	Pass
NVNT	n40	5190	Ant1	9.58	24	Pass
NVNT	n40	5230	Ant1	11.46	24	Pass
NVNT	n40	5190	Ant2	11.54	24	Pass
NVNT	n40	5230	Ant2	10.31	24	Pass
NVNT	ac20	5180	Ant1	9.13	24	Pass
NVNT	ac20	5200	Ant1	9.62	24	Pass
NVNT	ac20	5240	Ant1	10.61	24	Pass
NVNT	ac20	5180	Ant2	11.41	24	Pass
NVNT	ac20	5200	Ant2	11.01	24	Pass
NVNT	ac20	5240	Ant2	10.23	24	Pass
NVNT	ac40	5190	Ant1	9.56	24	Pass
NVNT	ac40	5230	Ant1	11.42	24	Pass
NVNT	ac40	5190	Ant2	11.5	24	Pass
NVNT	ac40	5230	Ant2	10.28	24	Pass
NVNT	ac80	5210	Ant1	10.2	24	Pass
NVNT	ac80	5210	Ant2	10.48	24	Pass
NVNT	ax20	5180	Ant1	11.54	24	Pass
NVNT	ax20	5200	Ant1	11.66	24	Pass
NVNT	ax20	5240	Ant1	11.73	24	Pass
NVNT	ax20	5180	Ant2	11.69	24	Pass
NVNT	ax20	5200	Ant2	11.04	24	Pass
NVNT	ax20	5240	Ant2	10.27	24	Pass
NVNT	ax40	5190	Ant1	9.75	24	Pass
NVNT	ax40	5230	Ant1	11.56	24	Pass
NVNT	ax40	5190	Ant2	11.63	24	Pass
NVNT	ax40	5230	Ant2	10.47	24	Pass
NVNT	ax80	5210	Ant1	10.45	24	Pass
NVNT	ax80	5210	Ant2	10.71	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.294	0.5	Pass
NVNT	a	5200	Ant1	26.346	0.5	Pass
NVNT	a	5240	Ant1	19.755	0.5	Pass
NVNT	a	5180	Ant2	25.836	0.5	Pass
NVNT	a	5200	Ant2	24.726	0.5	Pass
NVNT	a	5240	Ant2	19.479	0.5	Pass
NVNT	n20	5180	Ant1	25.431	0.5	Pass
NVNT	n20	5200	Ant1	23.253	0.5	Pass
NVNT	n20	5240	Ant1	21.882	0.5	Pass
NVNT	n20	5180	Ant2	23.976	0.5	Pass
NVNT	n20	5200	Ant2	25.935	0.5	Pass
NVNT	n20	5240	Ant2	20.544	0.5	Pass
NVNT	n40	5190	Ant1	55.404	0.5	Pass
NVNT	n40	5230	Ant1	53.55	0.5	Pass
NVNT	n40	5190	Ant2	56.004	0.5	Pass
NVNT	n40	5230	Ant2	50.526	0.5	Pass
NVNT	ac20	5180	Ant1	27.144	0.5	Pass
NVNT	ac20	5200	Ant1	23.271	0.5	Pass
NVNT	ac20	5240	Ant1	20.742	0.5	Pass
NVNT	ac20	5180	Ant2	24.627	0.5	Pass
NVNT	ac20	5200	Ant2	24.501	0.5	Pass
NVNT	ac20	5240	Ant2	21.486	0.5	Pass
NVNT	ac40	5190	Ant1	52.968	0.5	Pass
NVNT	ac40	5230	Ant1	40.638	0.5	Pass
NVNT	ac40	5190	Ant2	57.714	0.5	Pass
NVNT	ac40	5230	Ant2	41.01	0.5	Pass
NVNT	ac80	5210	Ant1	108.096	0.5	Pass
NVNT	ac80	5210	Ant2	108.204	0.5	Pass
NVNT	ax20	5180	Ant1	25.725	0.5	Pass
NVNT	ax20	5200	Ant1	20.304	0.5	Pass
NVNT	ax20	5240	Ant1	20.496	0.5	Pass
NVNT	ax20	5180	Ant2	22.827	0.5	Pass
NVNT	ax20	5200	Ant2	21.966	0.5	Pass
NVNT	ax20	5240	Ant2	21.015	0.5	Pass
NVNT	ax40	5190	Ant1	49.398	0.5	Pass
NVNT	ax40	5230	Ant1	39.582	0.5	Pass
NVNT	ax40	5190	Ant2	53.994	0.5	Pass
NVNT	ax40	5230	Ant2	39.57	0.5	Pass
NVNT	ax80	5210	Ant1	98.016	0.5	Pass
NVNT	ax80	5210	Ant2	86.028	0.5	Pass

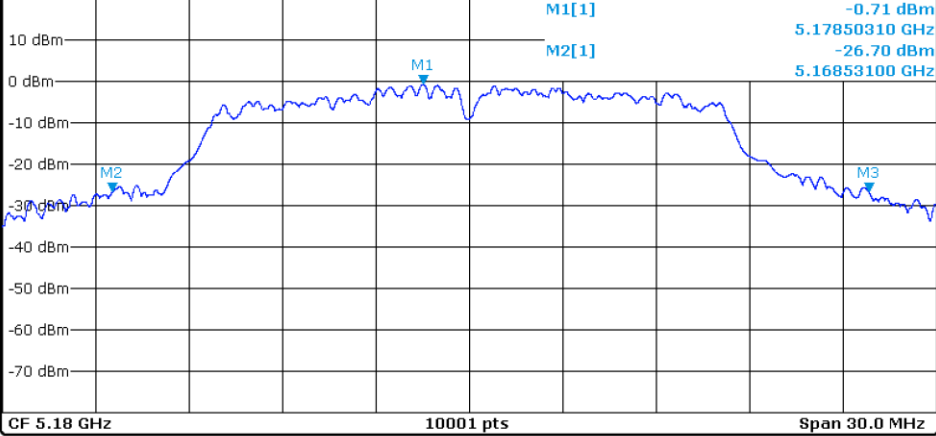
Test Graphs

-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

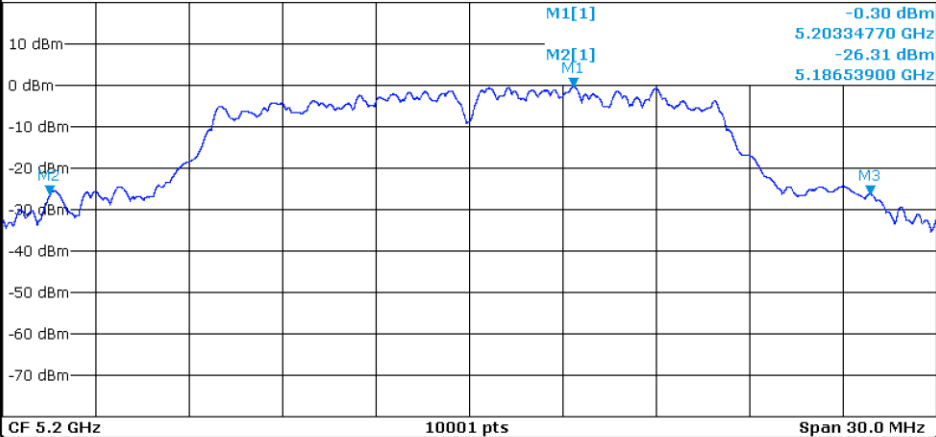
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1785031 GHz	-0.71 dBm		
M2	1		5.168531 GHz	-26.70 dBm		
M3	1		5.192825 GHz	-26.70 dBm		

-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

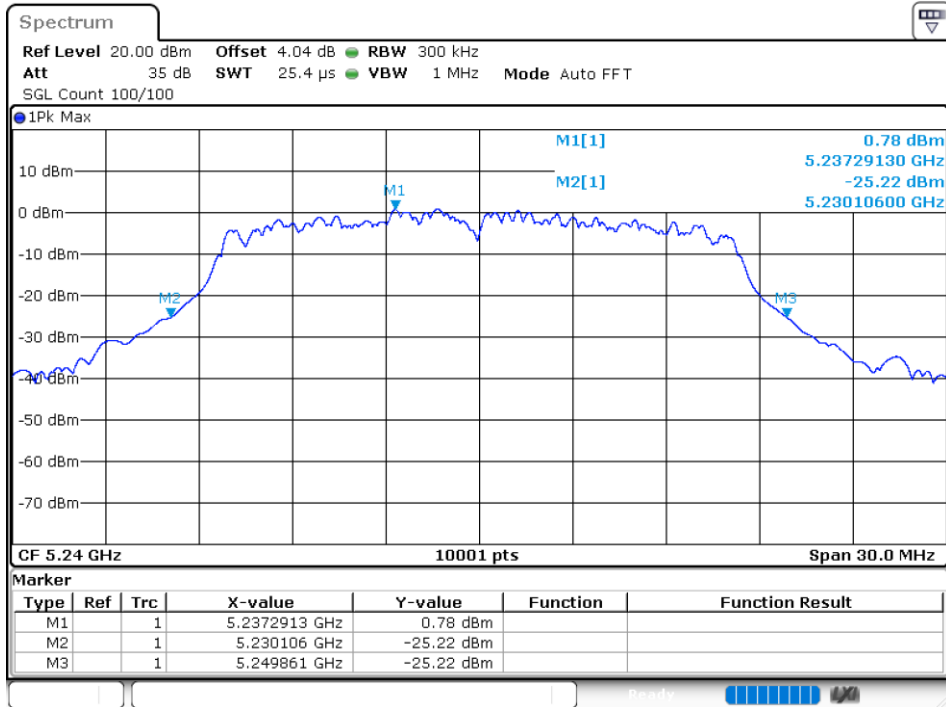
1Pk Max



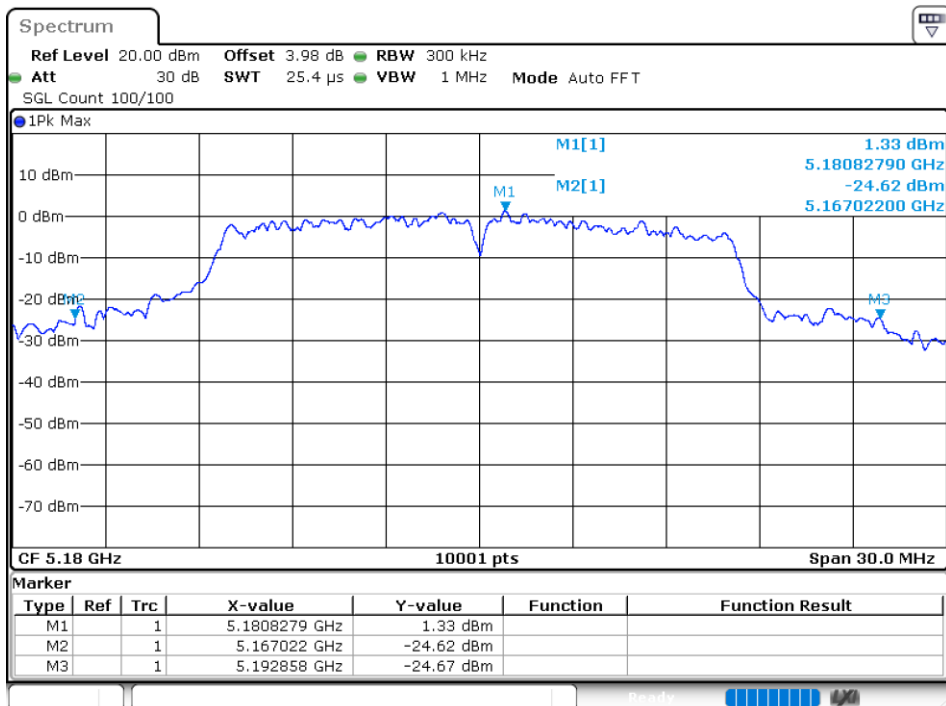
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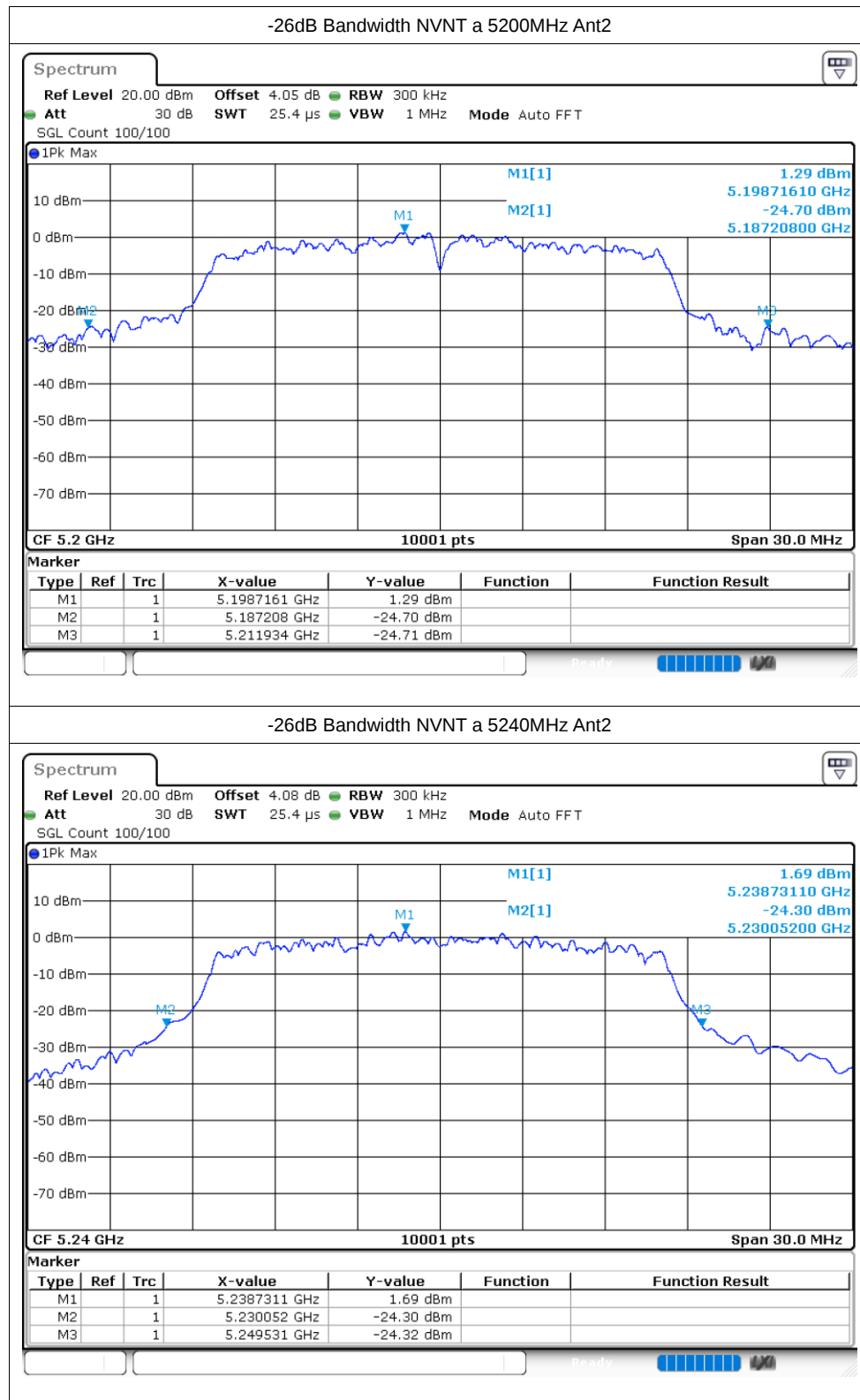
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2033477 GHz	-0.30 dBm		
M2	1		5.186539 GHz	-26.31 dBm		
M3	1		5.212885 GHz	-26.31 dBm		

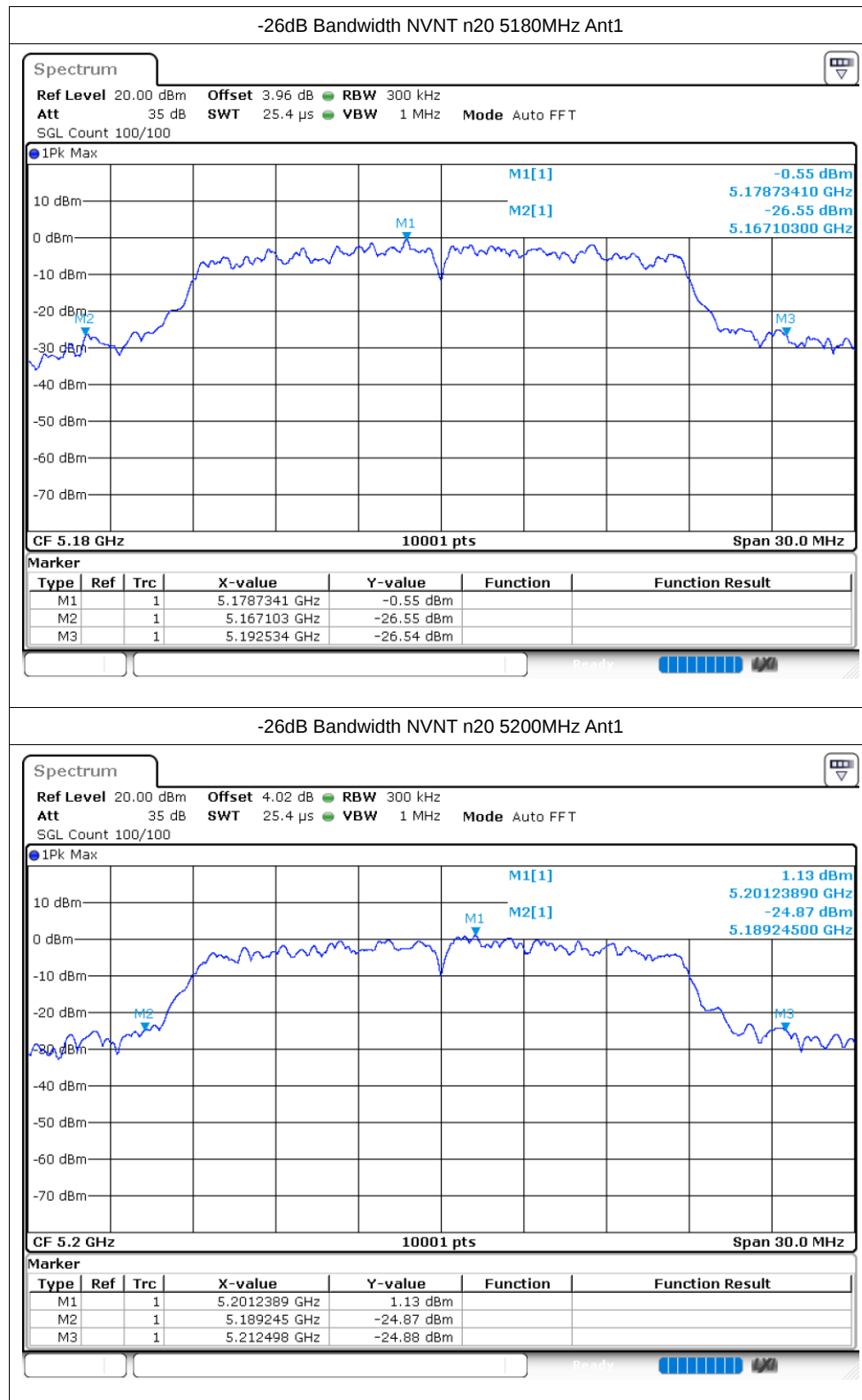
-26dB Bandwidth NVNT a 5240MHz Ant1

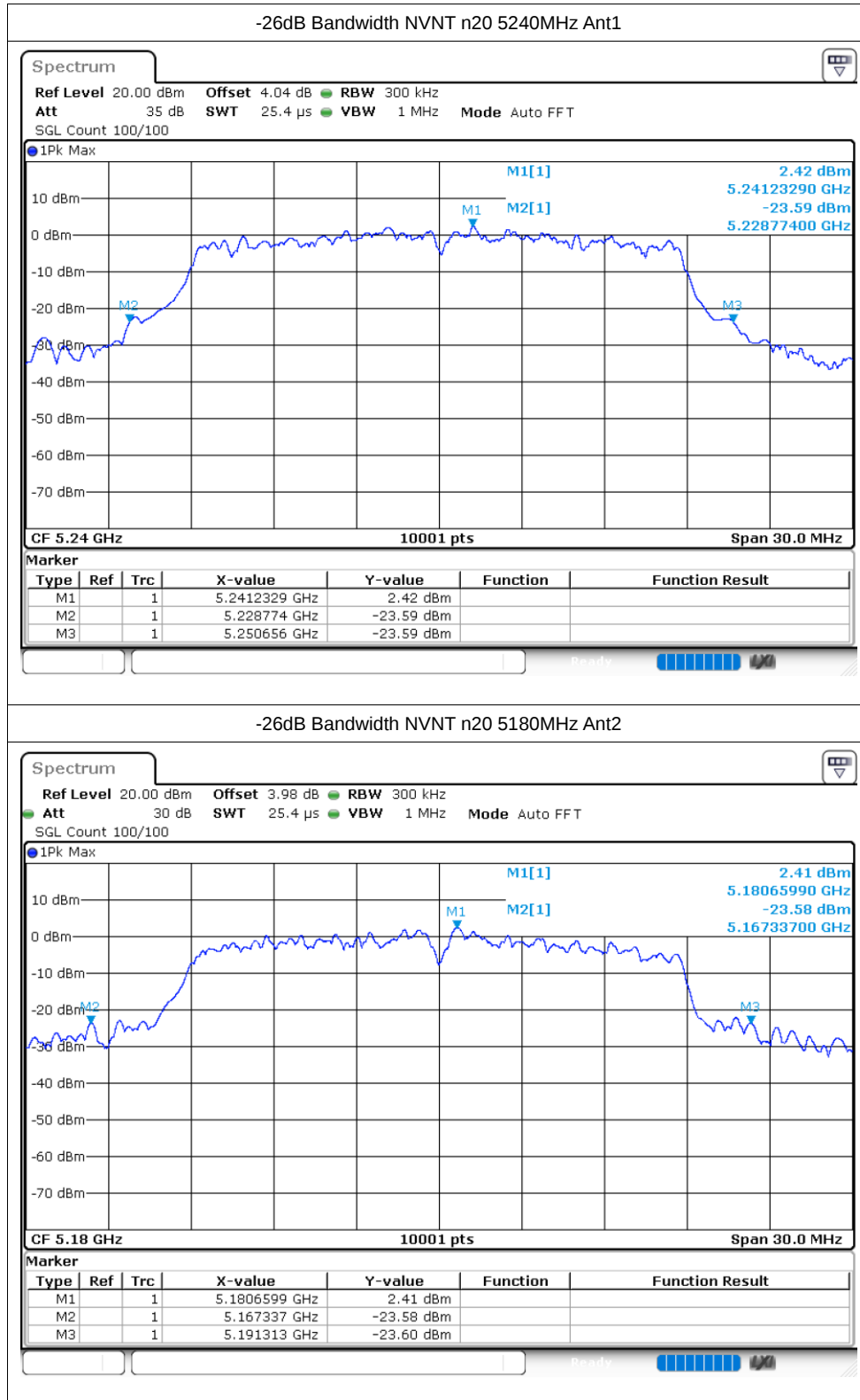


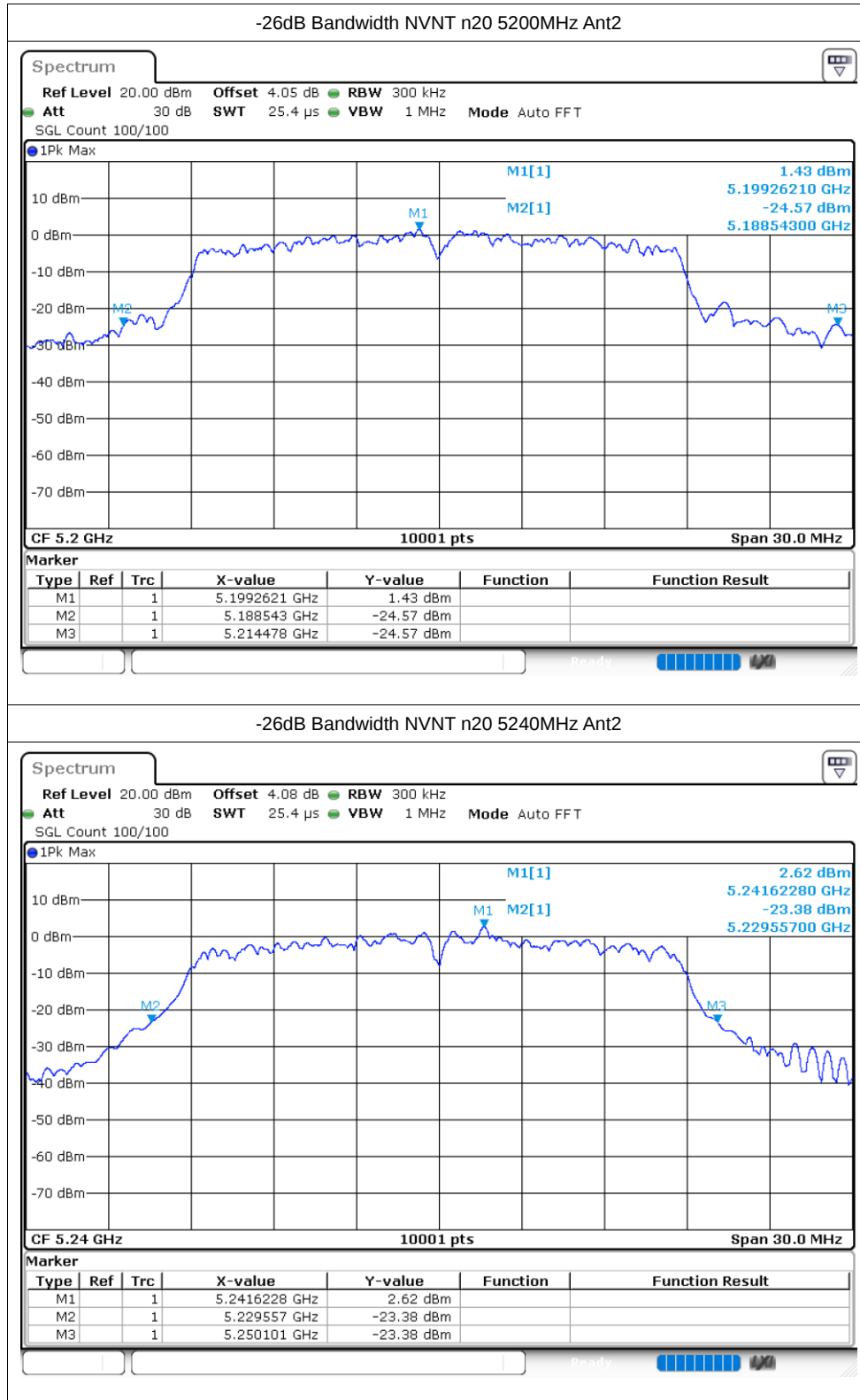
-26dB Bandwidth NVNT a 5180MHz Ant2

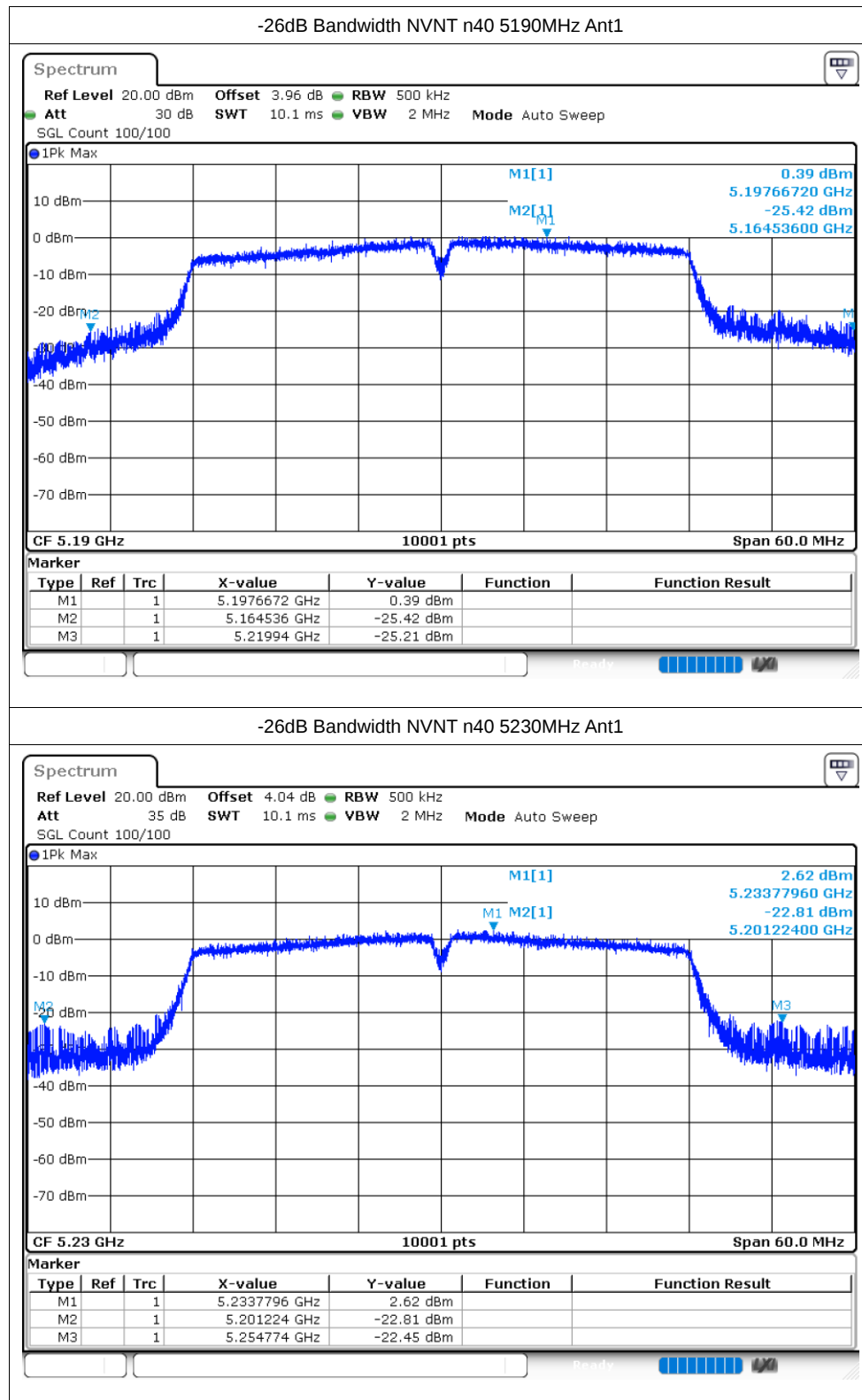


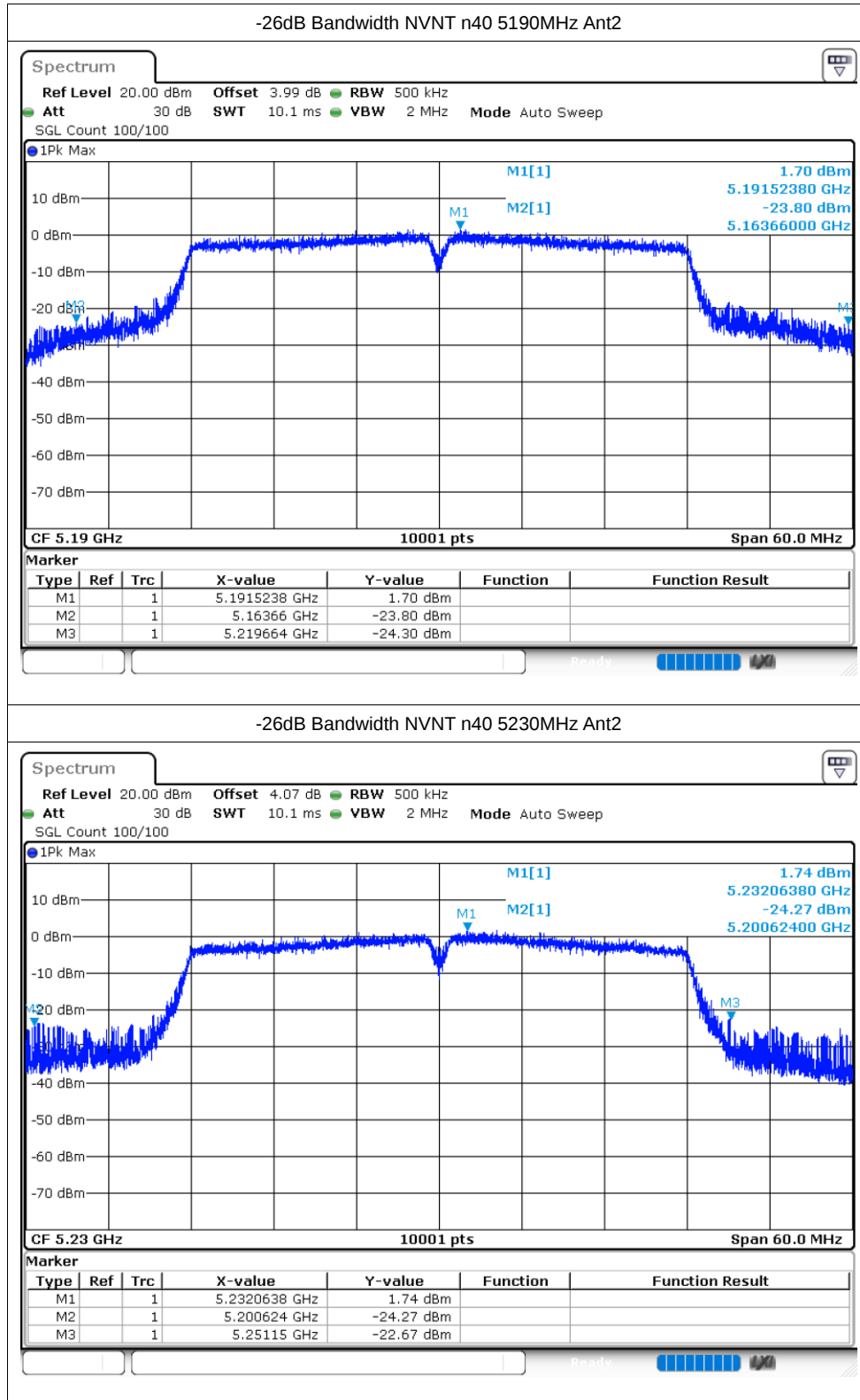


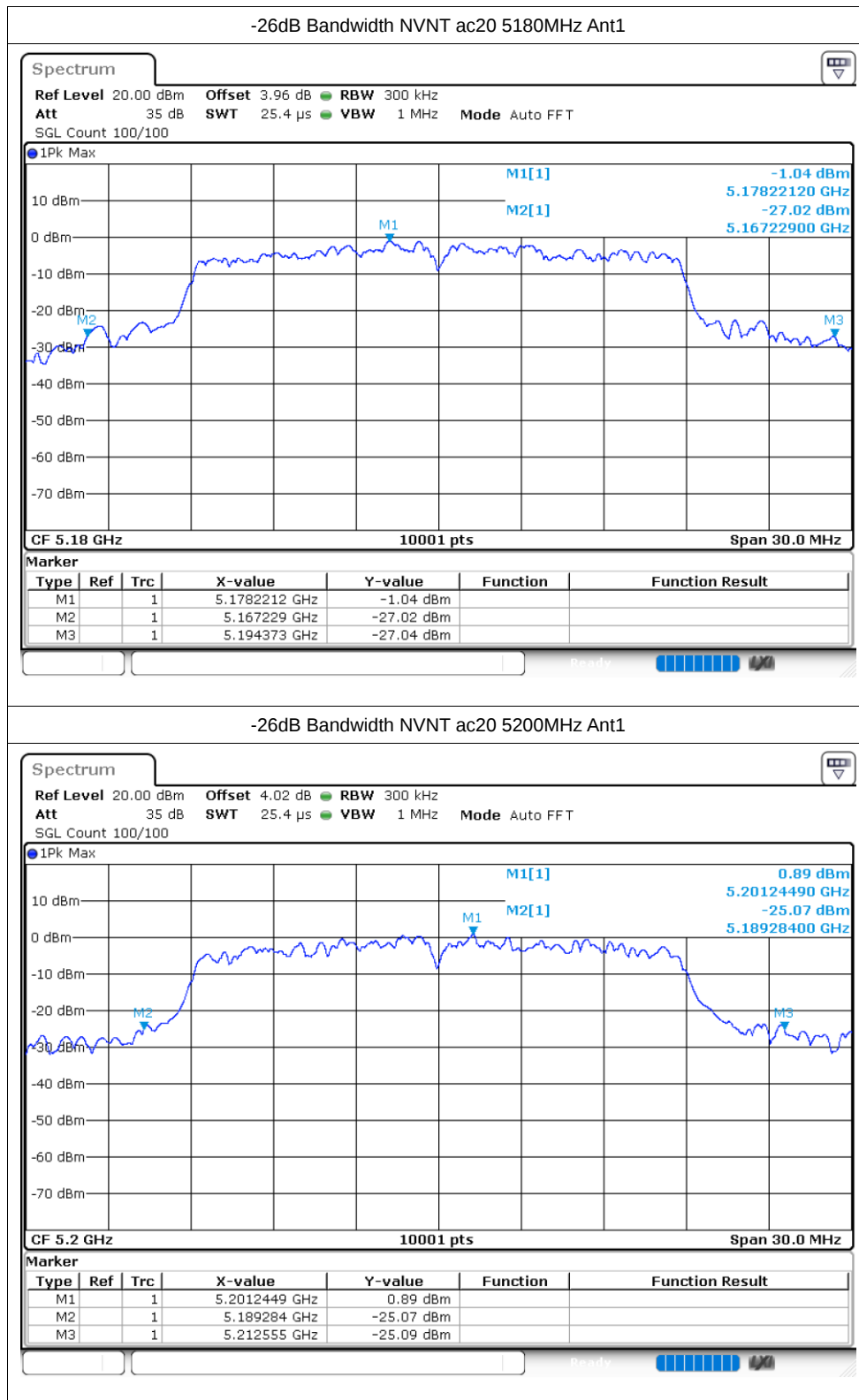










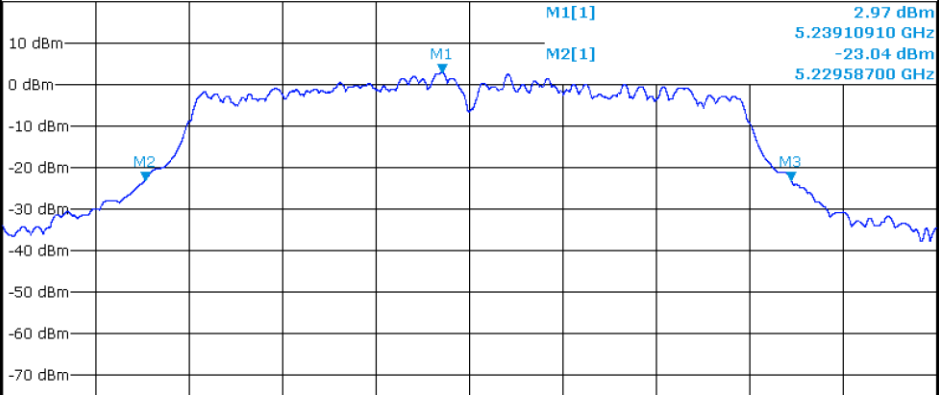


-26dB Bandwidth NVNT ac20 5240MHz Ant1

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



CF 5.24 GHz 10001 pts Span 30.0 MHz

Marker

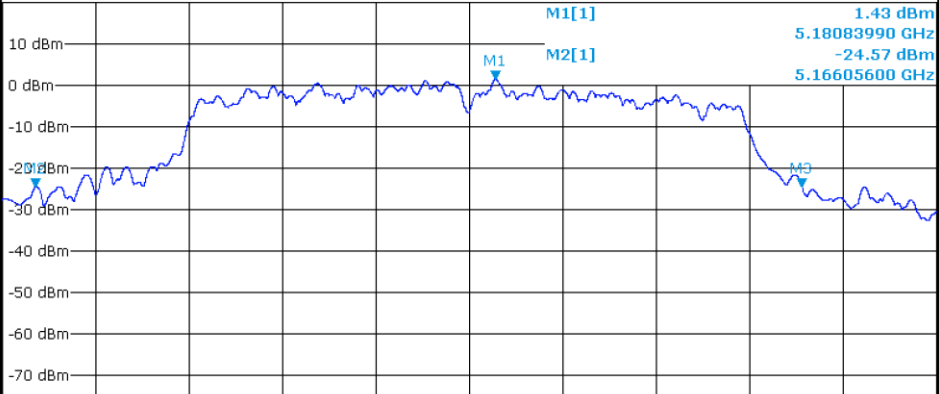
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2391091 GHz	2.97 dBm		
M2		1	5.229587 GHz	-23.04 dBm		
M3		1	5.250329 GHz	-23.03 dBm		

-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



CF 5.18 GHz 10001 pts Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1808399 GHz	1.43 dBm		
M2		1	5.166056 GHz	-24.57 dBm		
M3		1	5.190683 GHz	-24.52 dBm		

