

5.6G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	73.18	1.36	4
NVNT	a	5600	Ant1	72.89	1.37	4
NVNT	a	5700	Ant1	72.66	1.39	4.17
NVNT	n20	5500	Ant1	71.38	1.46	4.35
NVNT	n20	5600	Ant1	71.73	1.44	4.35
NVNT	n20	5700	Ant1	71.37	1.46	4.35
NVNT	n40	5510	Ant1	59.04	2.29	7.69
NVNT	n40	5590	Ant1	59.1	2.28	7.69
NVNT	n40	5670	Ant1	58.62	2.32	7.69
NVNT	ac20	5500	Ant1	67.82	1.69	5
NVNT	ac20	5600	Ant1	68.15	1.67	5
NVNT	ac20	5700	Ant1	68.24	1.66	5
NVNT	ac40	5510	Ant1	56.27	2.5	9.09
NVNT	ac40	5590	Ant1	57.19	2.43	9.09
NVNT	ac40	5670	Ant1	56.66	2.47	9.09
NVNT	ac80	5530	Ant1	45.81	3.39	14.29
NVNT	ac80	5610	Ant1	45.48	3.42	14.29

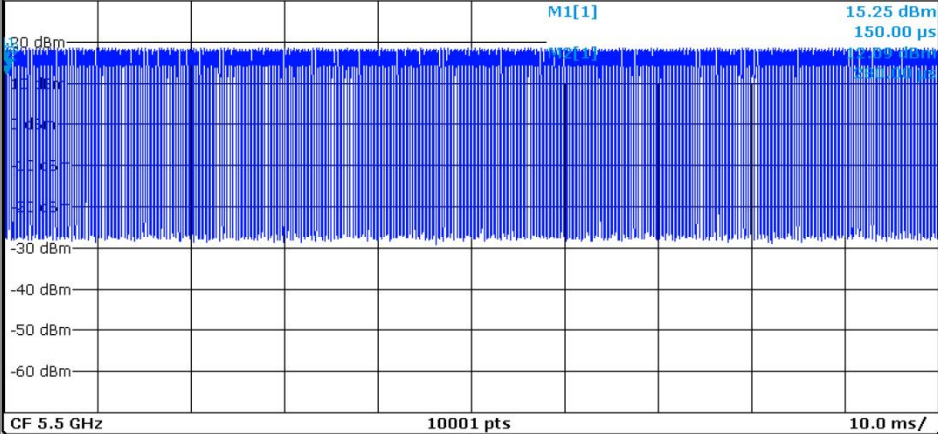
Test Graphs

Duty Cycle NVNT a 5500MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.13 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw



Marker

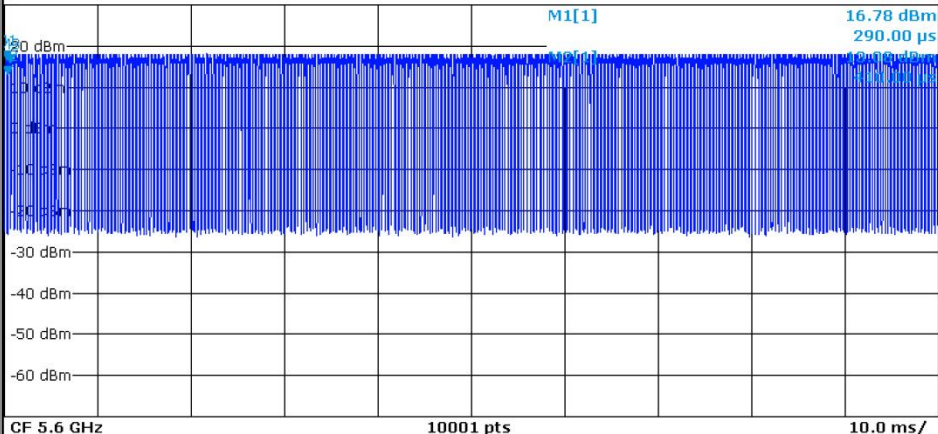
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	150.0 μ s	15.25 dBm		
M2		1	280.0 μ s	12.09 dBm		
M3		1	530.0 μ s	13.79 dBm		

Duty Cycle NVNT a 5600MHz Ant1

Spectrum

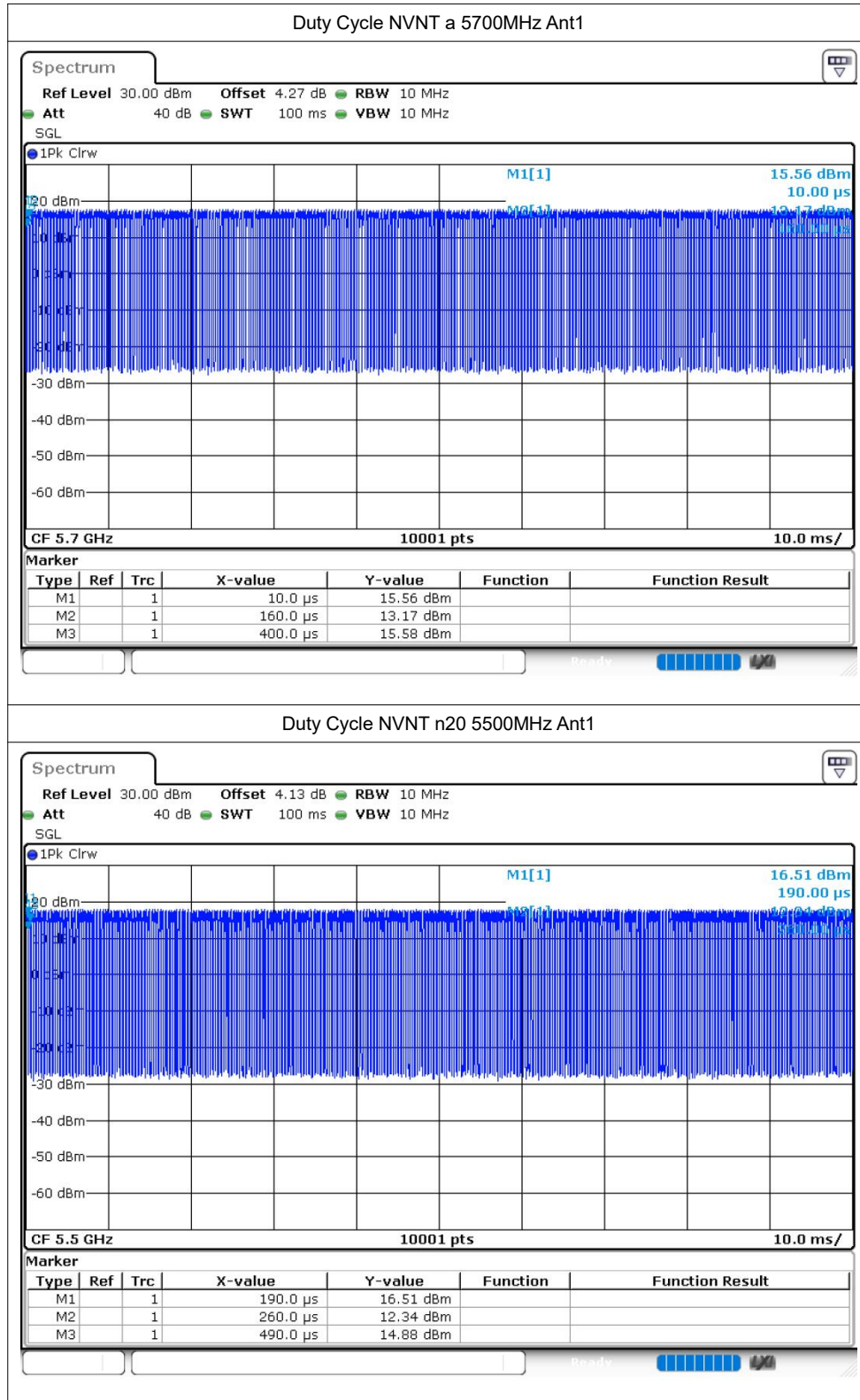
Ref Level 30.00 dBm Offset 4.23 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

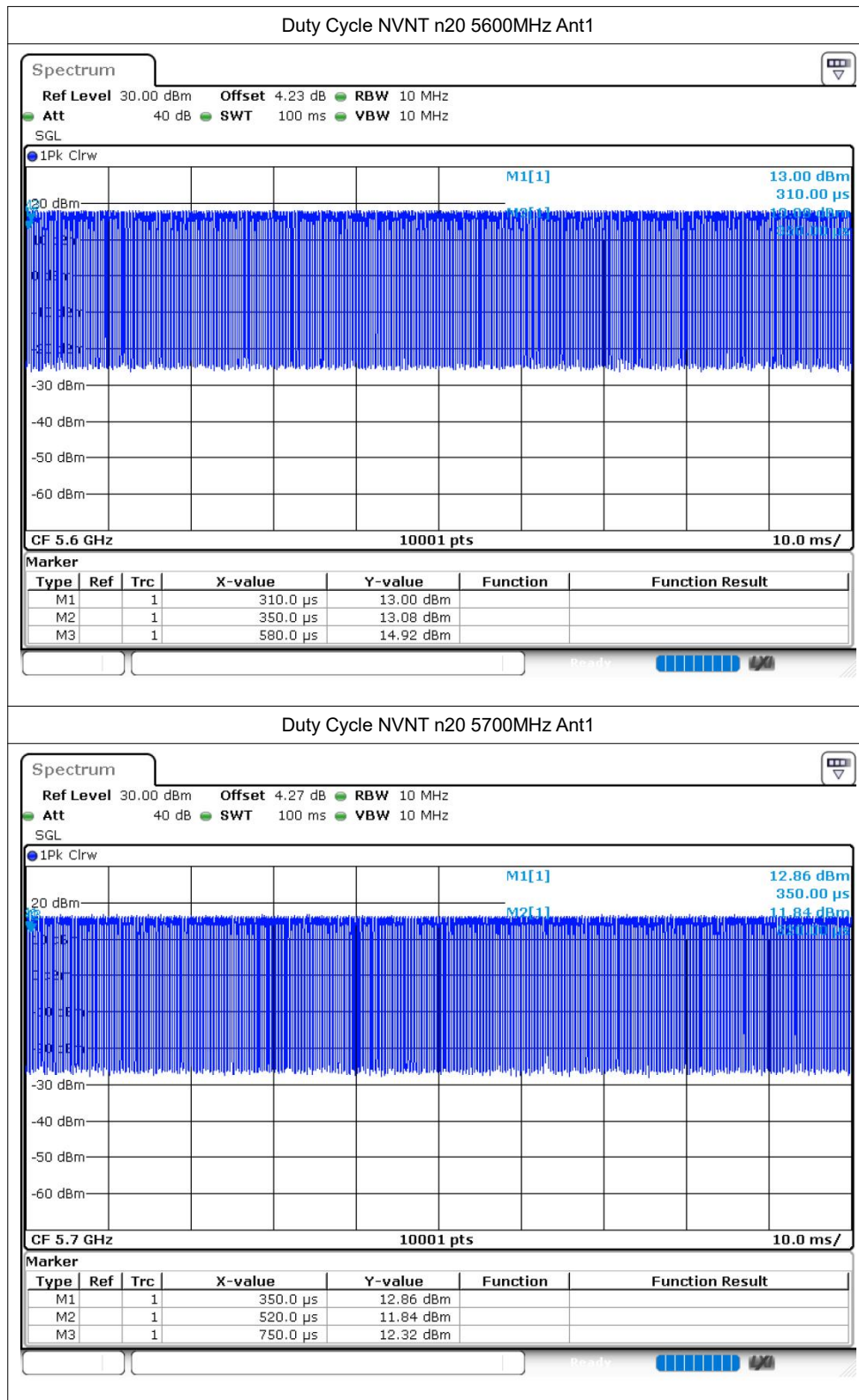
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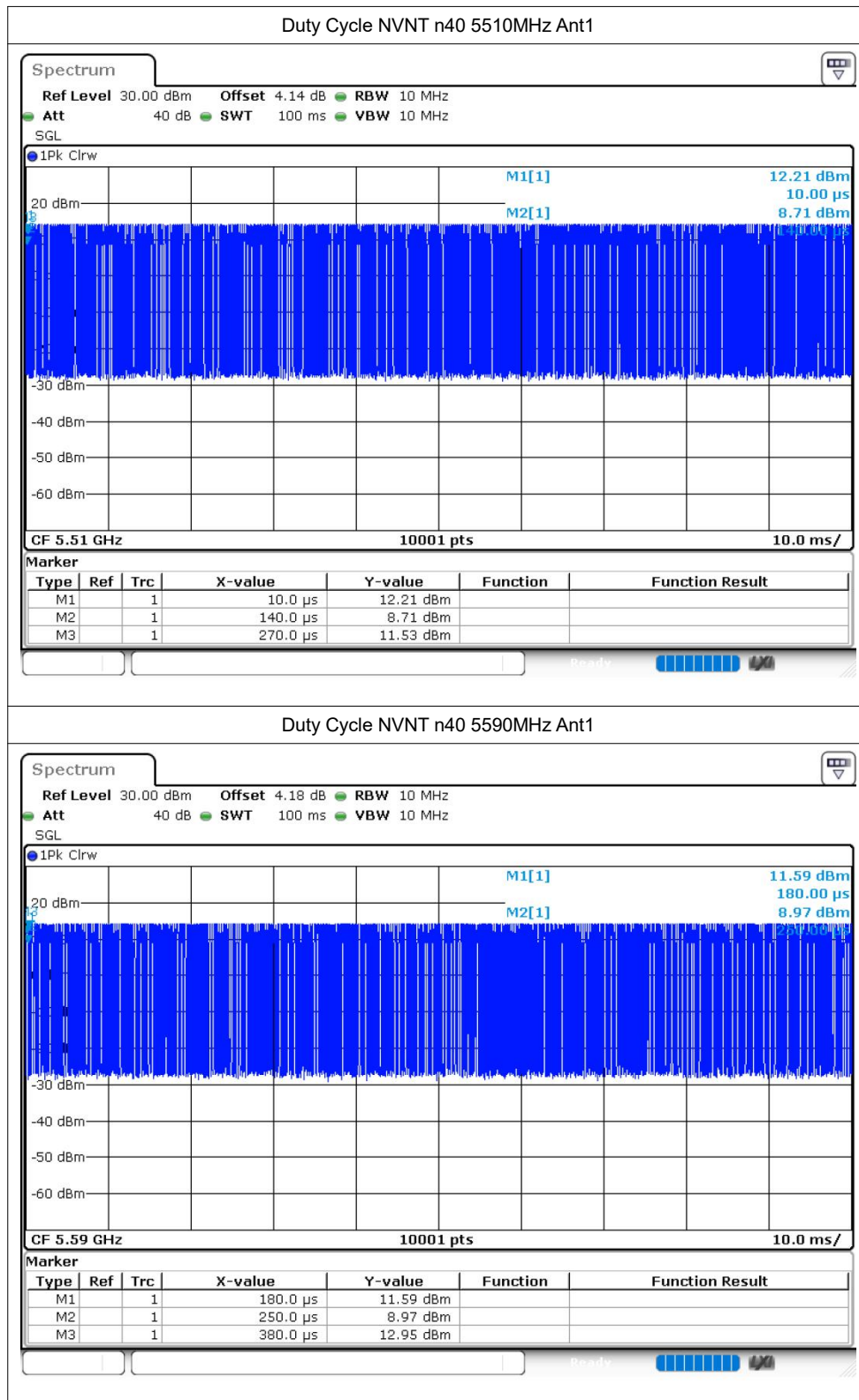


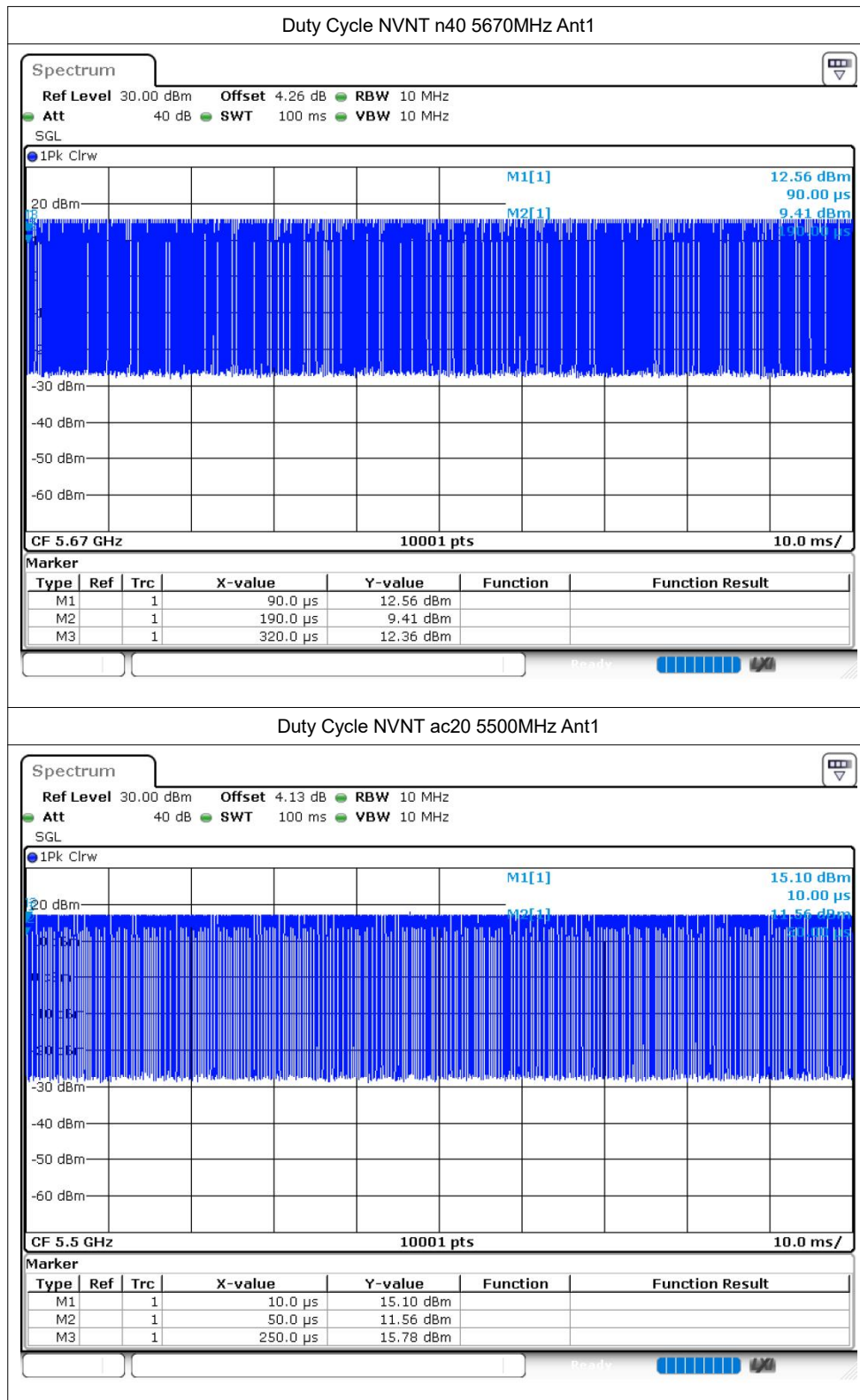
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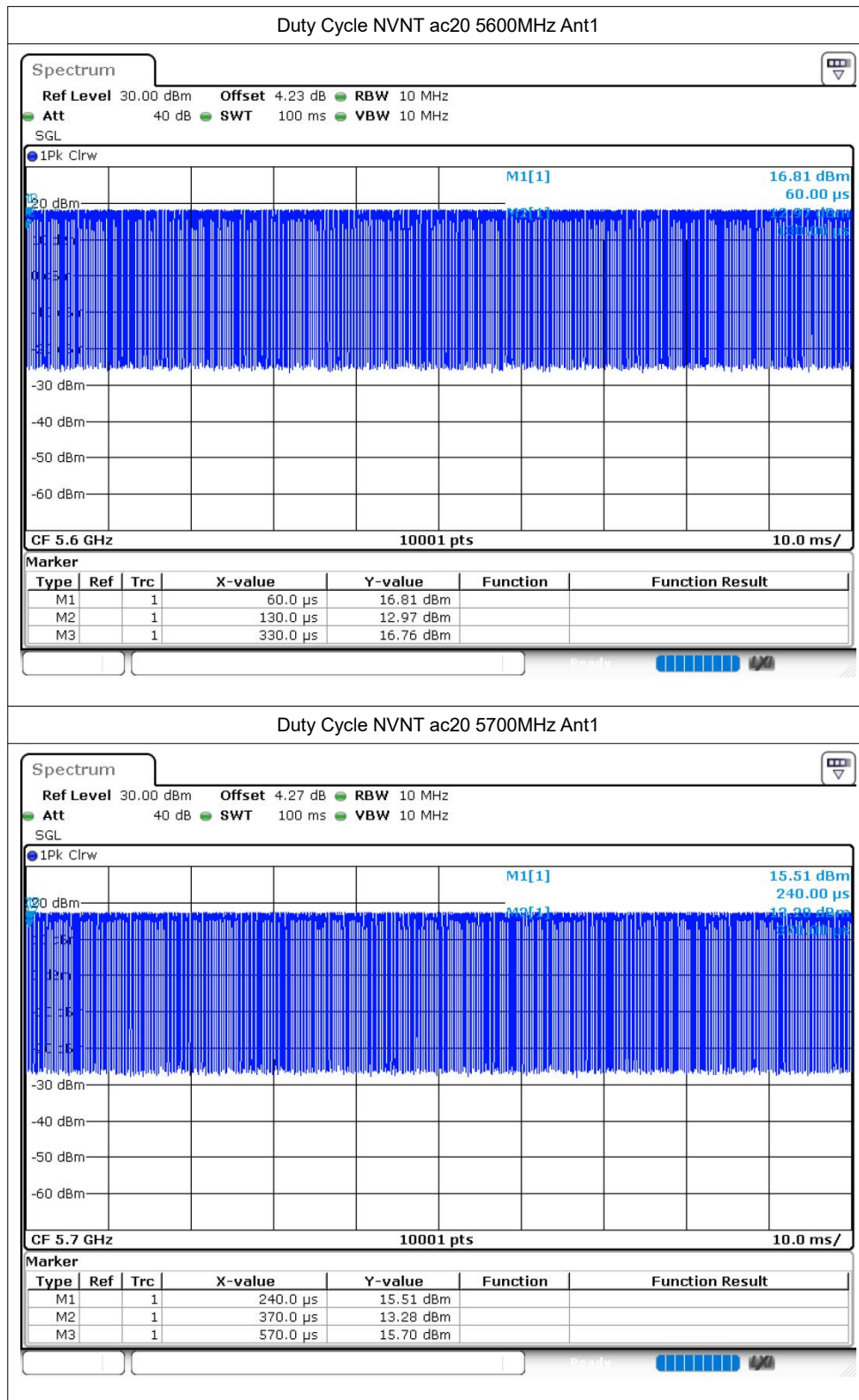
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	290.0 μ s	16.78 dBm		
M2		1	410.0 μ s	13.08 dBm		
M3		1	660.0 μ s	16.02 dBm		

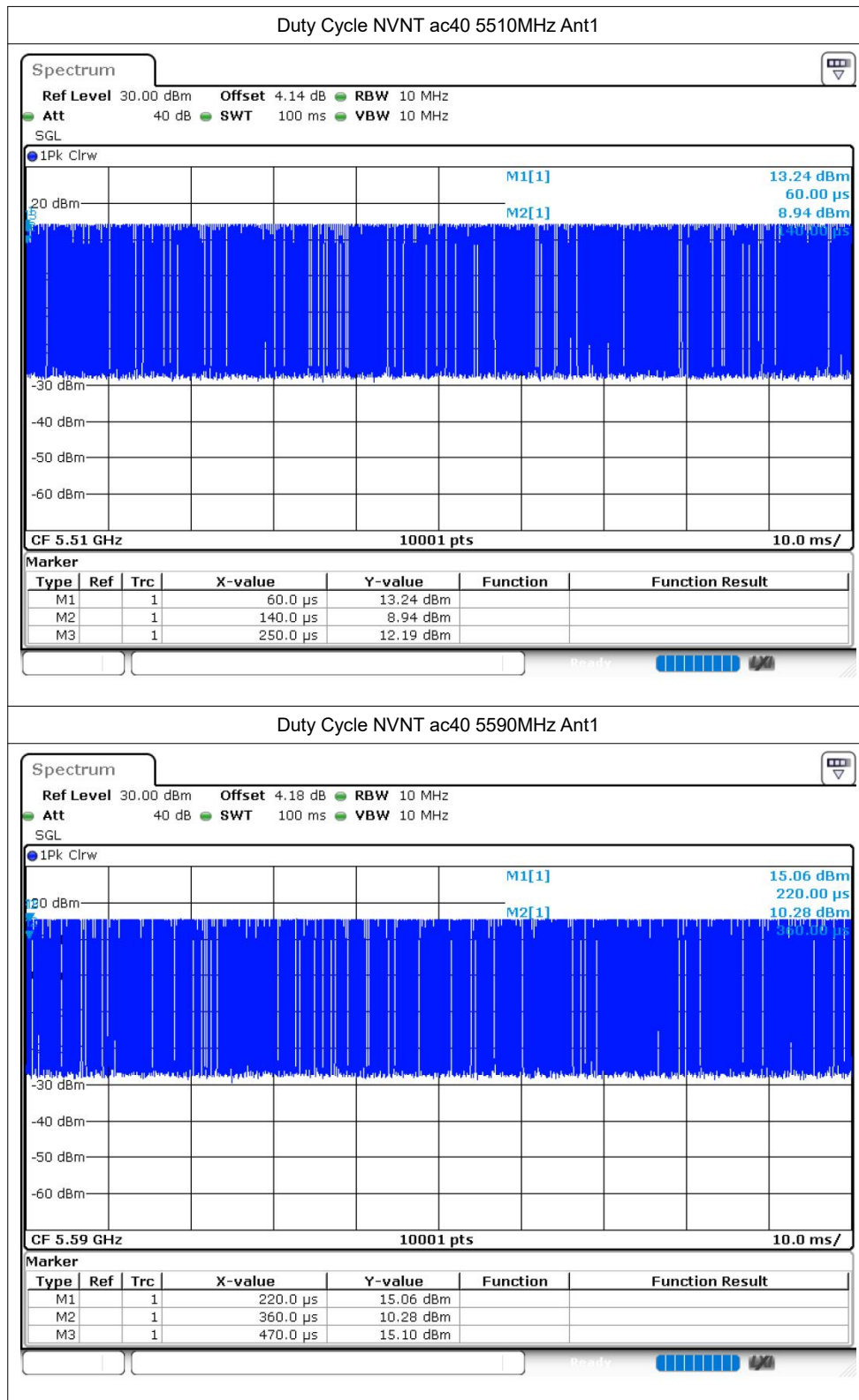


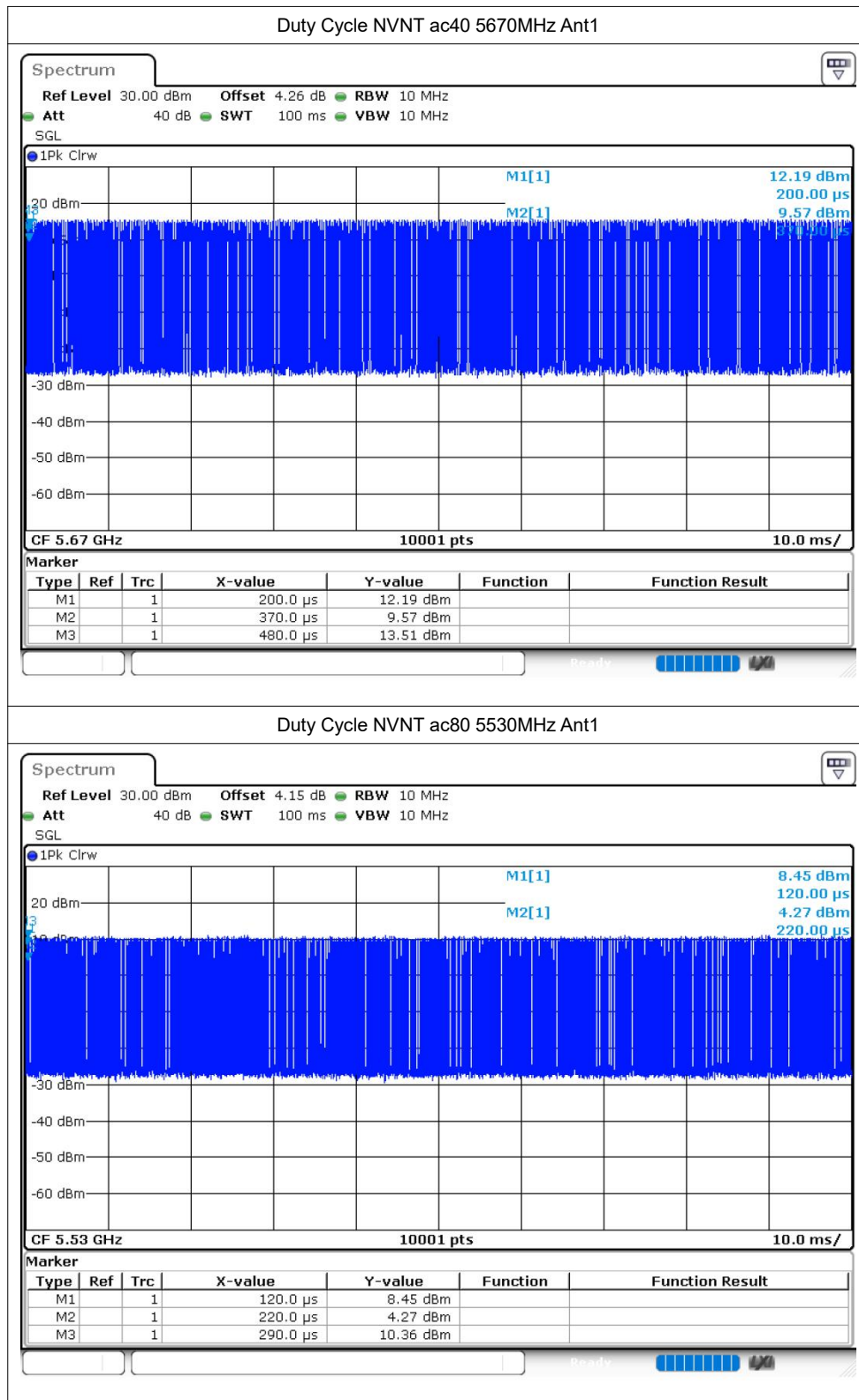


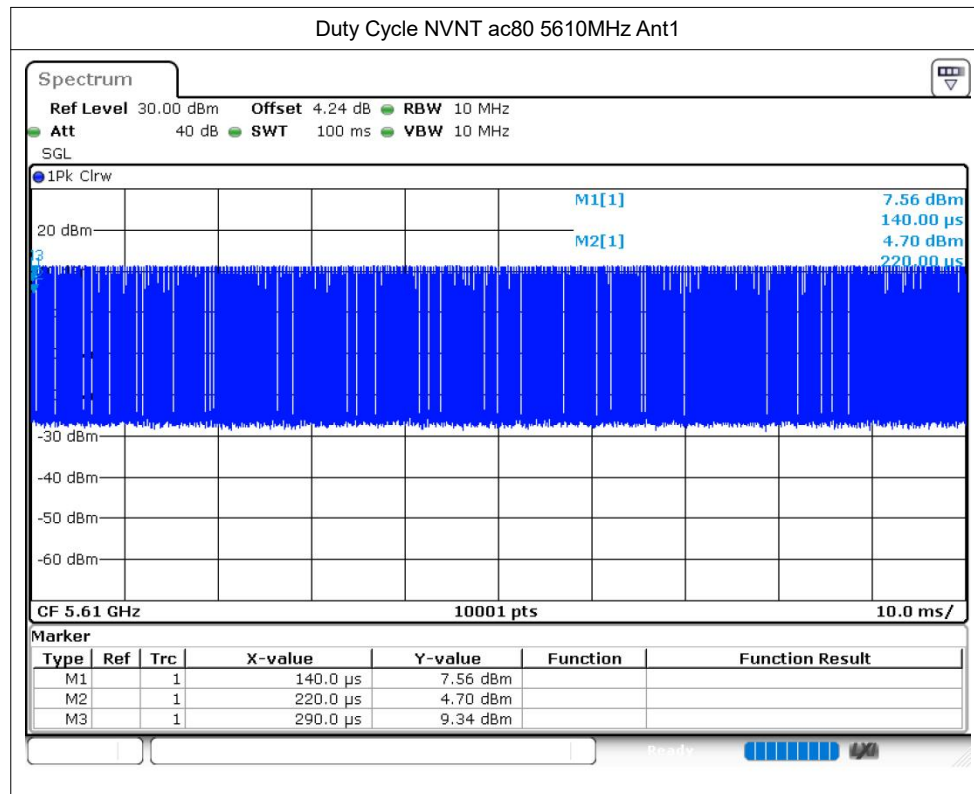












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	11.34	24	Pass
NVNT	a	5600	Ant1	12.42	24	Pass
NVNT	a	5700	Ant1	12.42	24	Pass
NVNT	n20	5500	Ant1	11.78	24	Pass
NVNT	n20	5600	Ant1	12.6	24	Pass
NVNT	n20	5700	Ant1	11.55	24	Pass
NVNT	n40	5510	Ant1	11.51	24	Pass
NVNT	n40	5590	Ant1	11.58	24	Pass
NVNT	n40	5670	Ant1	12.45	24	Pass
NVNT	ac20	5500	Ant1	11.12	24	Pass
NVNT	ac20	5600	Ant1	12.15	24	Pass
NVNT	ac20	5700	Ant1	12.5	24	Pass
NVNT	ac40	5510	Ant1	11.6	24	Pass
NVNT	ac40	5590	Ant1	12.64	24	Pass
NVNT	ac40	5670	Ant1	12.14	24	Pass
NVNT	ac80	5530	Ant1	11.97	24	Pass
NVNT	ac80	5610	Ant1	12.21	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	20.373	0.5	Pass
NVNT	a	5600	Ant1	19.623	0.5	Pass
NVNT	a	5700	Ant1	20.379	0.5	Pass
NVNT	n20	5500	Ant1	20.379	0.5	Pass
NVNT	n20	5600	Ant1	20.958	0.5	Pass
NVNT	n20	5700	Ant1	20.994	0.5	Pass
NVNT	n40	5510	Ant1	41.328	0.5	Pass
NVNT	n40	5590	Ant1	43.698	0.5	Pass
NVNT	n40	5670	Ant1	45.312	0.5	Pass
NVNT	ac20	5500	Ant1	20.922	0.5	Pass
NVNT	ac20	5600	Ant1	20.295	0.5	Pass
NVNT	ac20	5700	Ant1	21.141	0.5	Pass
NVNT	ac40	5510	Ant1	41.826	0.5	Pass
NVNT	ac40	5590	Ant1	44.604	0.5	Pass
NVNT	ac40	5670	Ant1	53.718	0.5	Pass
NVNT	ac80	5530	Ant1	85.404	0.5	Pass
NVNT	ac80	5610	Ant1	93.084	0.5	Pass

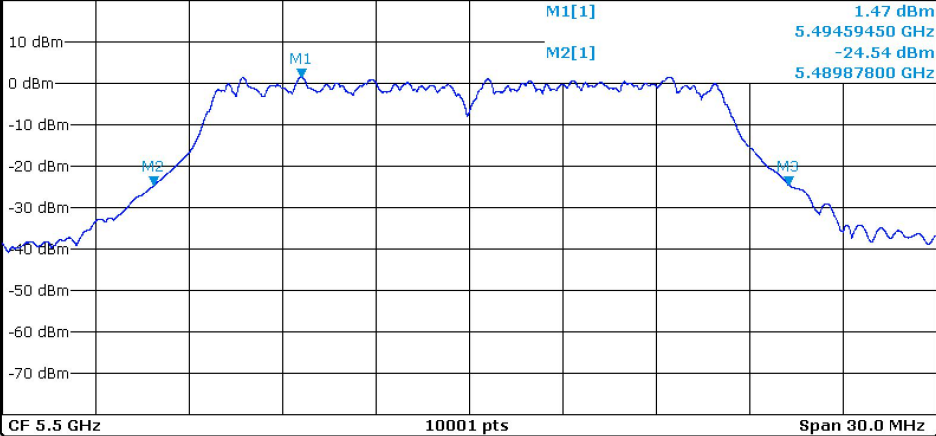
Test Graphs

-26dB Bandwidth NVNT a 5500MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.13 dB RBW 300 kHz
Att 30 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

IPk Max



Marker

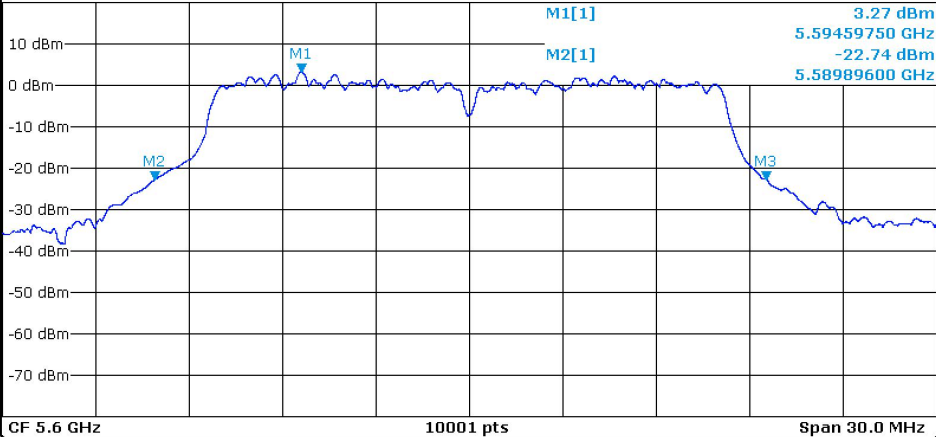
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.4945945 GHz	1.47 dBm		
M2	1		5.489878 GHz	-24.54 dBm		
M3	1		5.510251 GHz	-24.55 dBm		

-26dB Bandwidth NVNT a 5600MHz Ant1

Spectrum

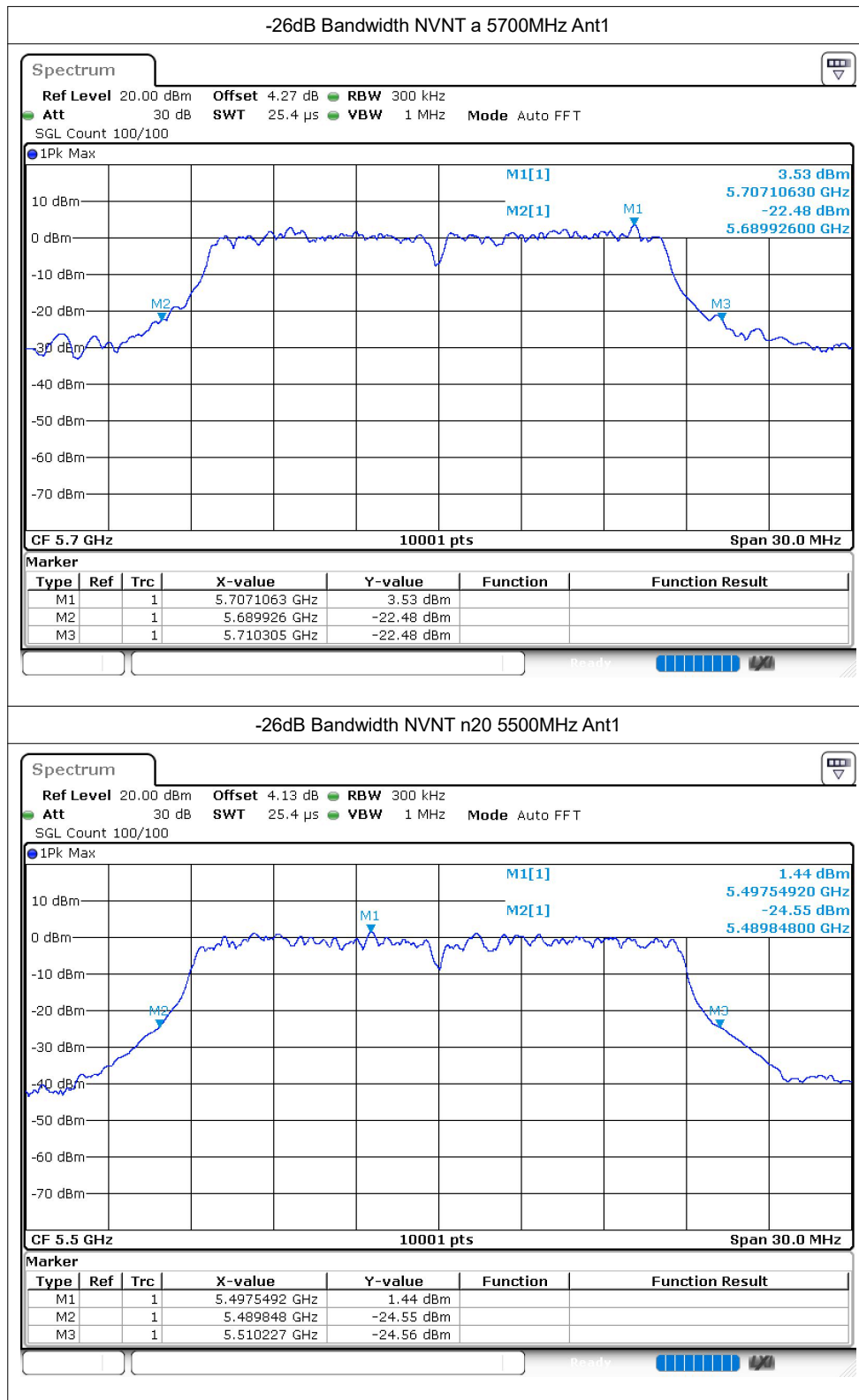
Ref Level 20.00 dBm Offset 4.23 dB RBW 300 kHz
Att 30 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

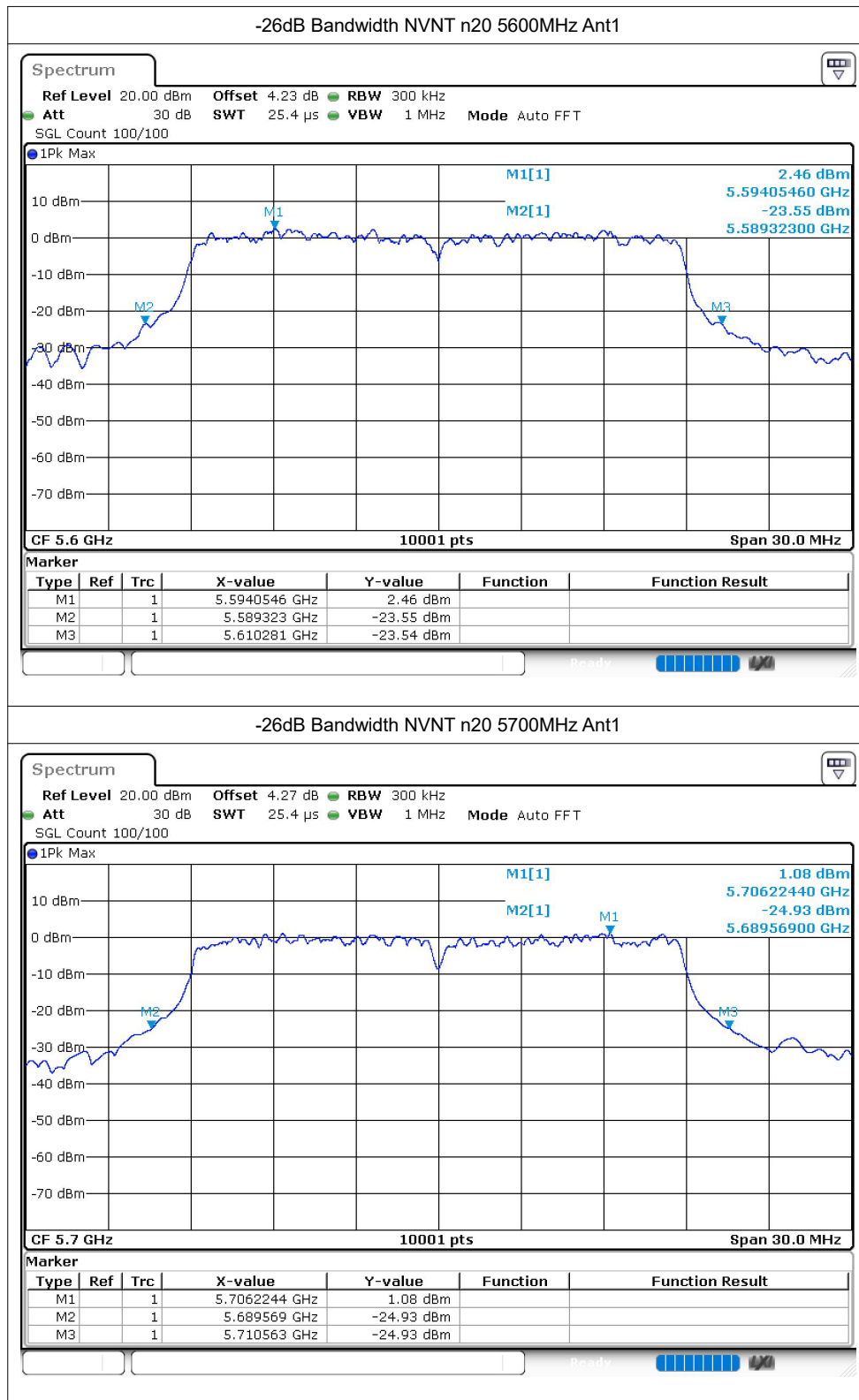
IPk Max

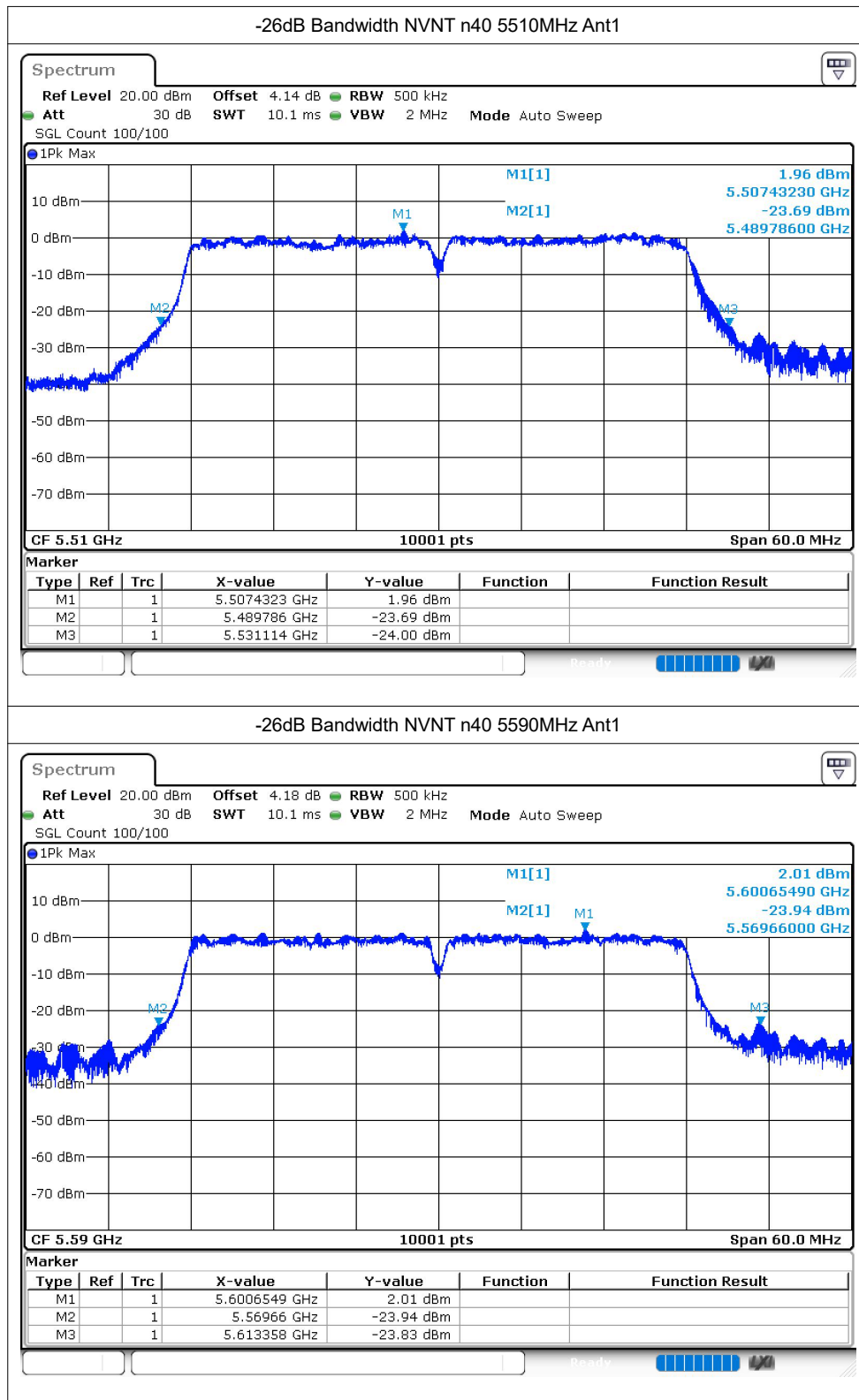


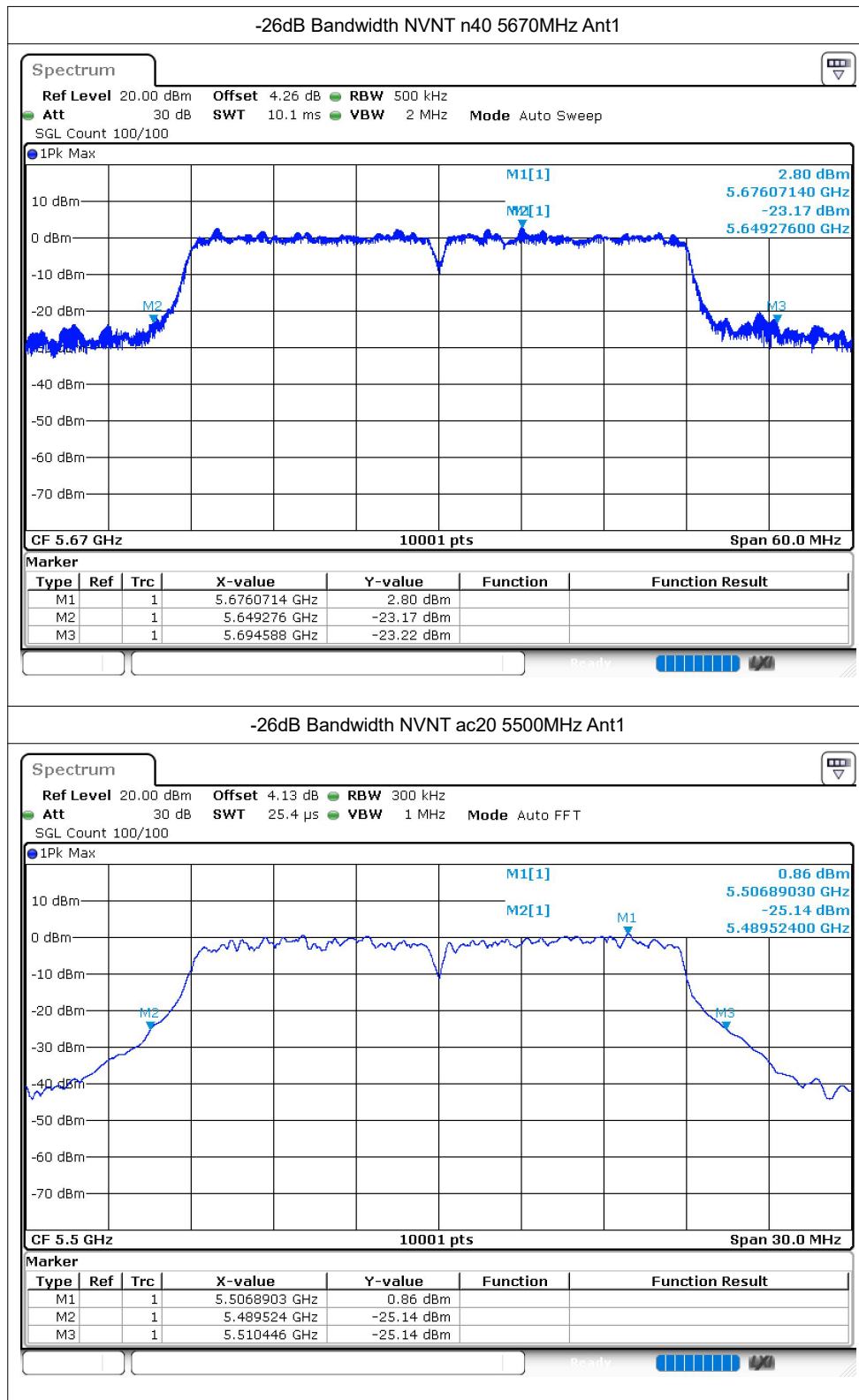
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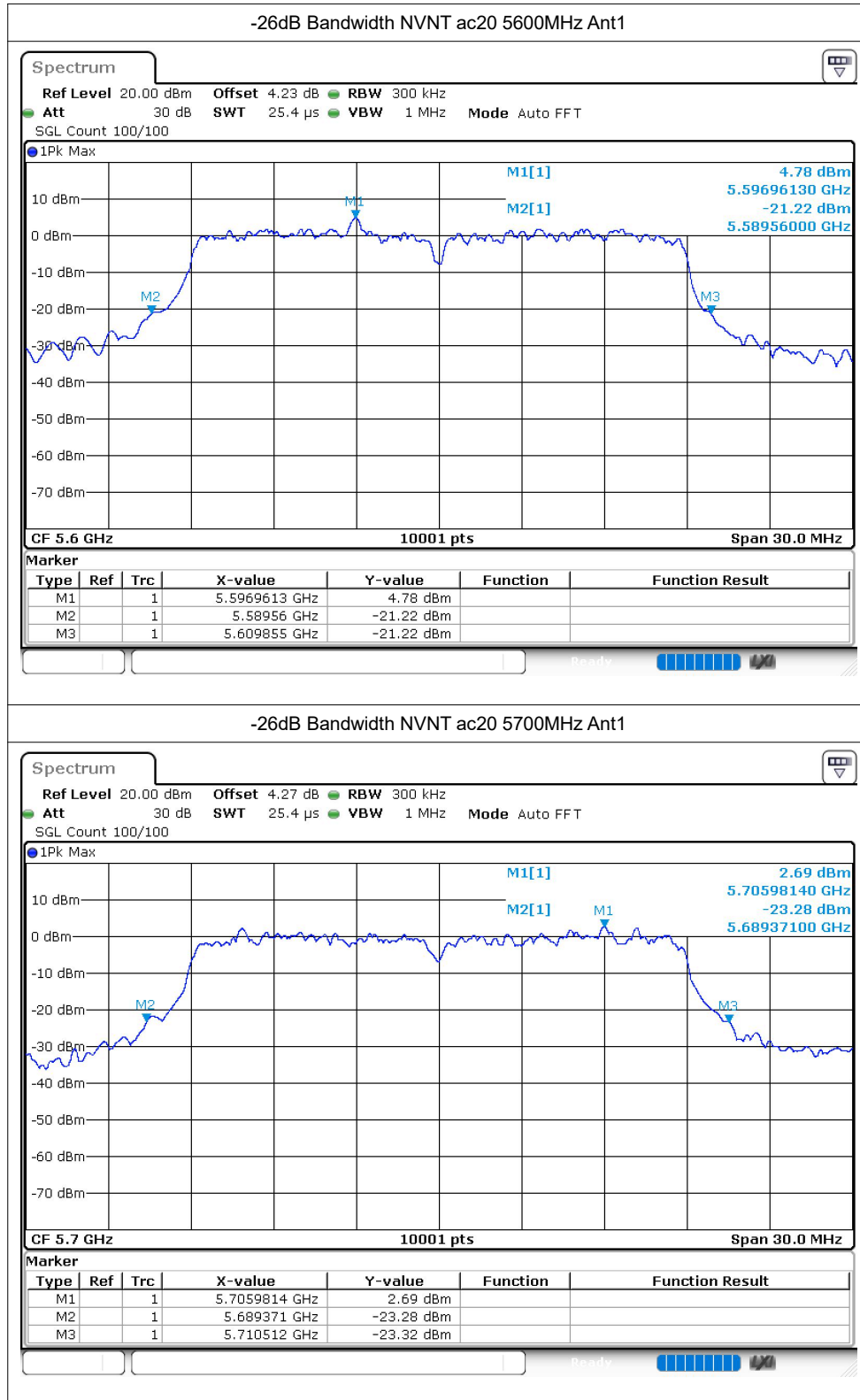
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.5945975 GHz	3.27 dBm		
M2	1		5.589896 GHz	-22.74 dBm		
M3	1		5.609519 GHz	-22.73 dBm		









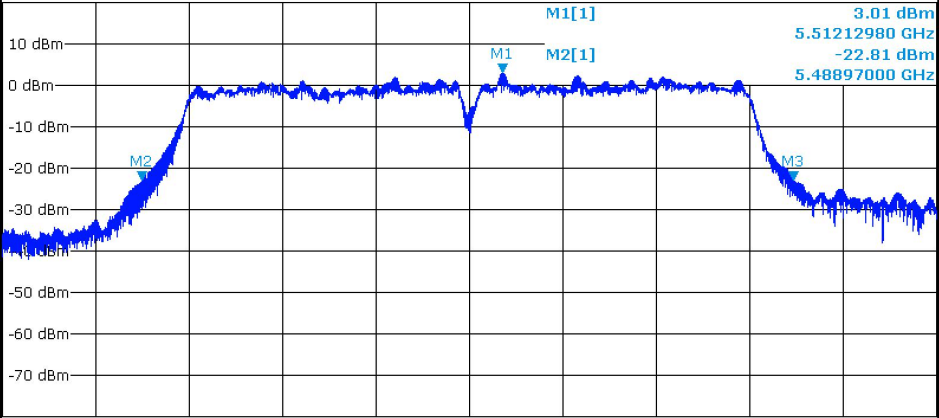


-26dB Bandwidth NVNT ac40 5510MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.14 dB RBW 500 kHz
Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

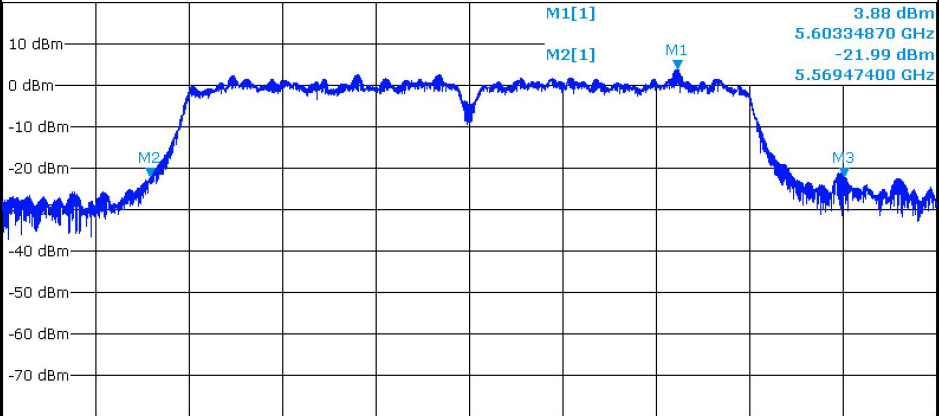
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.5121298 GHz	3.01 dBm		
M2	1		5.48897 GHz	-22.81 dBm		
M3	1		5.530796 GHz	-22.83 dBm		

-26dB Bandwidth NVNT ac40 5590MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.18 dB RBW 500 kHz
Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

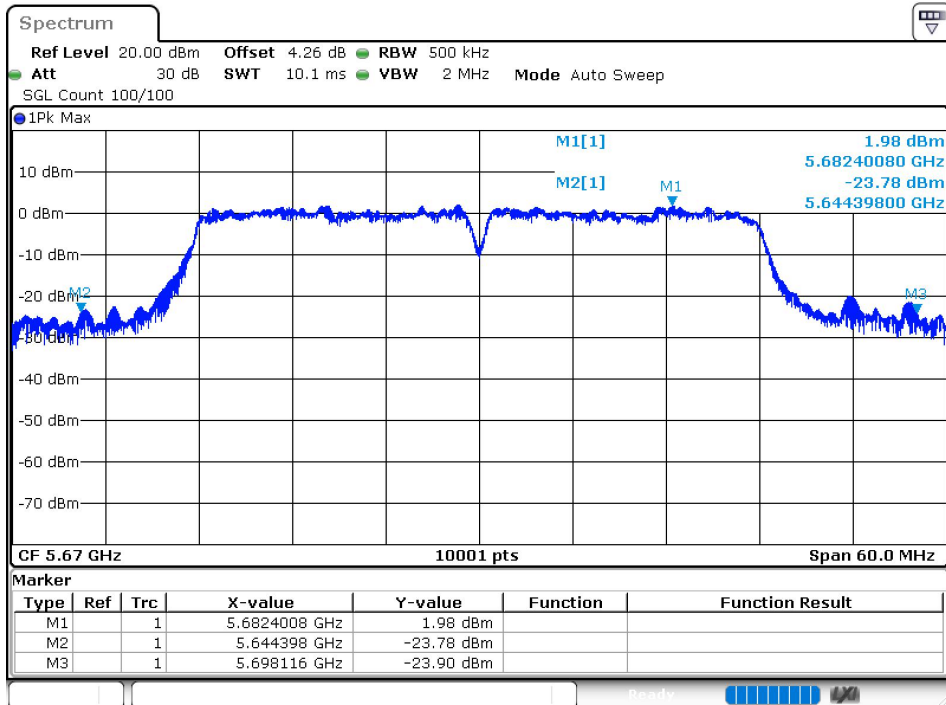
1Pk Max



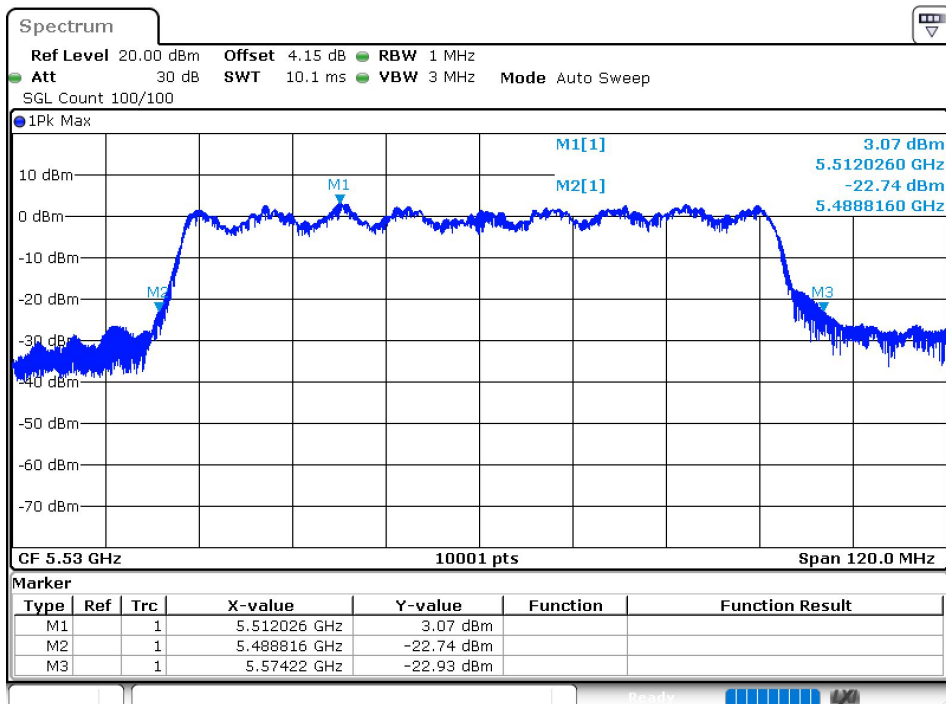
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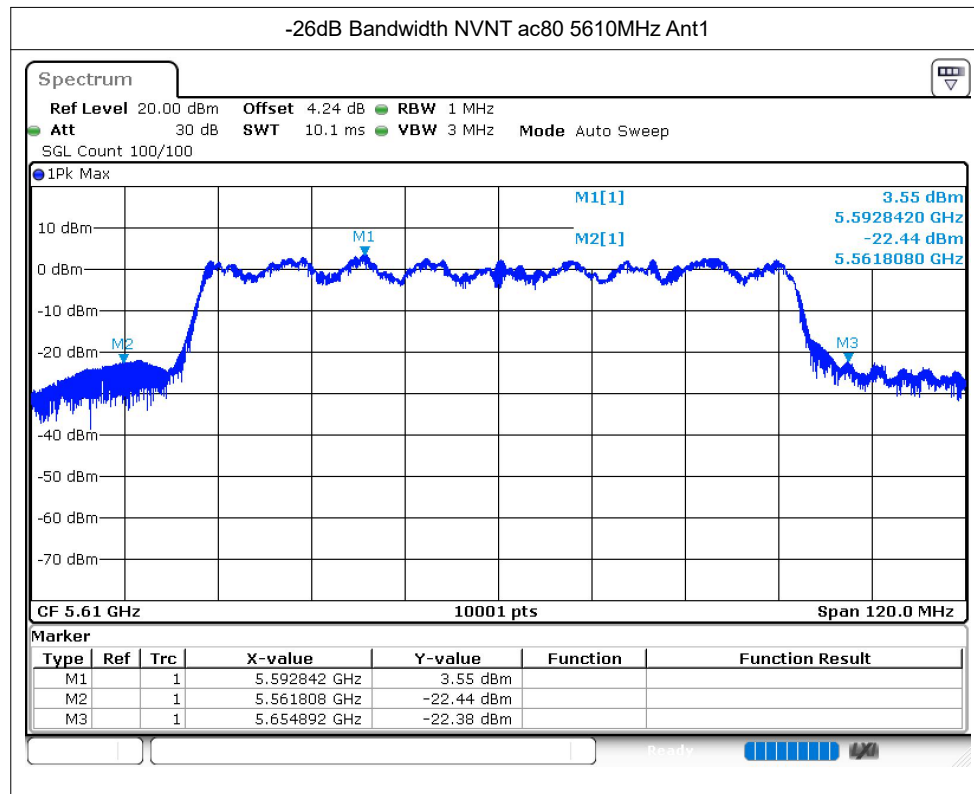
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.6033487 GHz	3.88 dBm		
M2	1		5.569474 GHz	-21.99 dBm		
M3	1		5.614078 GHz	-22.05 dBm		

-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1





Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.504
NVNT	a	5600	Ant1	16.555
NVNT	a	5700	Ant1	16.465
NVNT	n20	5500	Ant1	17.593
NVNT	n20	5600	Ant1	17.665
NVNT	n20	5700	Ant1	17.533
NVNT	n40	5510	Ant1	36.272
NVNT	n40	5590	Ant1	36.062
NVNT	n40	5670	Ant1	36.11
NVNT	ac20	5500	Ant1	17.611
NVNT	ac20	5600	Ant1	17.659
NVNT	ac20	5700	Ant1	17.674
NVNT	ac40	5510	Ant1	36.194
NVNT	ac40	5590	Ant1	36.26
NVNT	ac40	5670	Ant1	36.344
NVNT	ac80	5530	Ant1	75.736
NVNT	ac80	5610	Ant1	75.904