

5.3G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	73.07	1.36	4.17
NVNT	a	5280	Ant1	73.4	1.34	4
NVNT	a	5320	Ant1	71.78	1.44	4
NVNT	n20	5260	Ant1	71.82	1.44	4.35
NVNT	n20	5280	Ant1	71.9	1.43	4.35
NVNT	n20	5320	Ant1	71.47	1.46	4.35
NVNT	n40	5270	Ant1	58.17	2.35	7.69
NVNT	n40	5310	Ant1	57.93	2.37	7.69
NVNT	ac20	5260	Ant1	67.5	1.71	5
NVNT	ac20	5280	Ant1	68.57	1.64	5
NVNT	ac20	5320	Ant1	68.68	1.63	5
NVNT	ac40	5270	Ant1	56.04	2.51	8.33
NVNT	ac40	5310	Ant1	56	2.52	9.09
NVNT	ac80	5290	Ant1	45.02	3.47	14.29

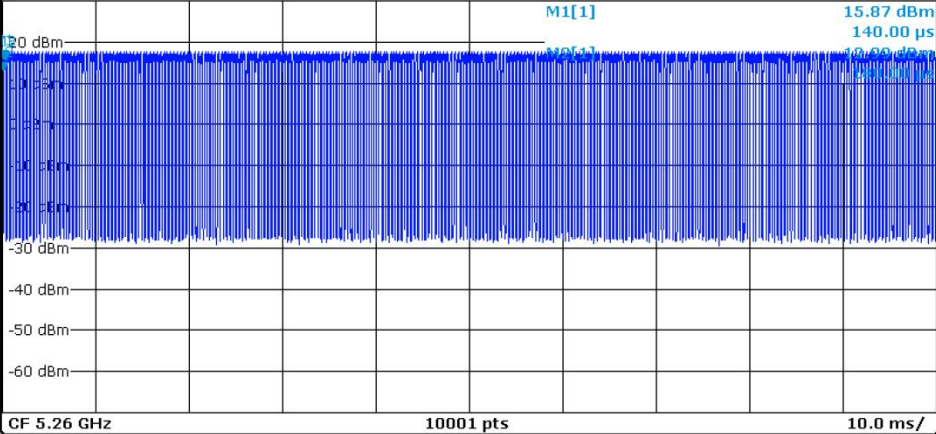
Test Graphs

Duty Cycle NVNT a 5260MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.06 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw



Marker

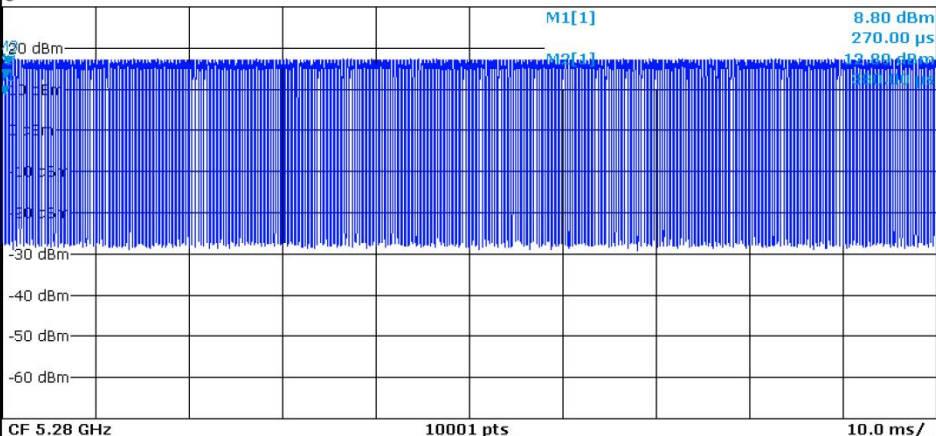
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	140.0 μ s	15.87 dBm		
M2		1	180.0 μ s	12.99 dBm		
M3		1	420.0 μ s	15.63 dBm		

Duty Cycle NVNT a 5280MHz Ant1

Spectrum

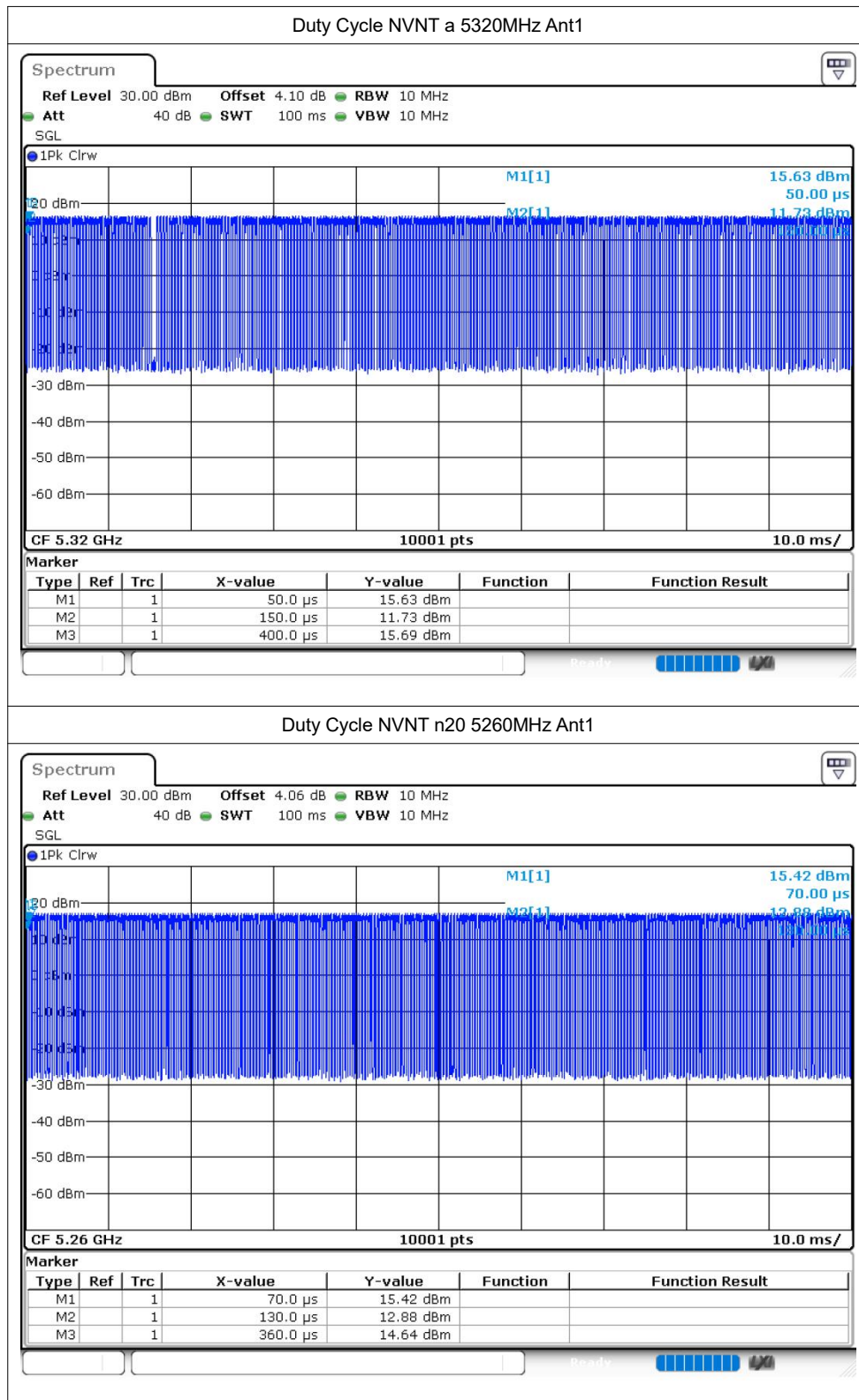
Ref Level 30.00 dBm Offset 4.08 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

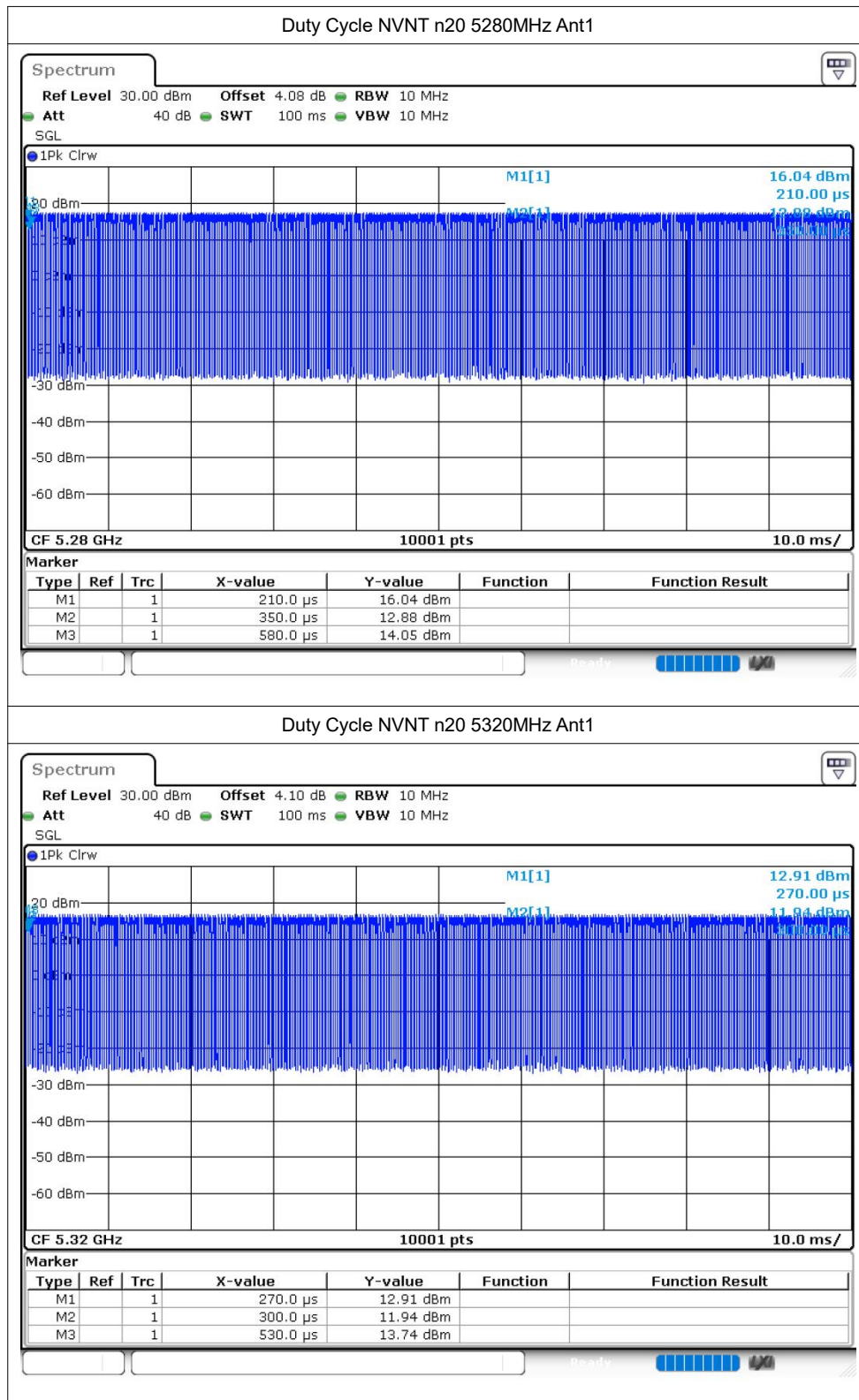
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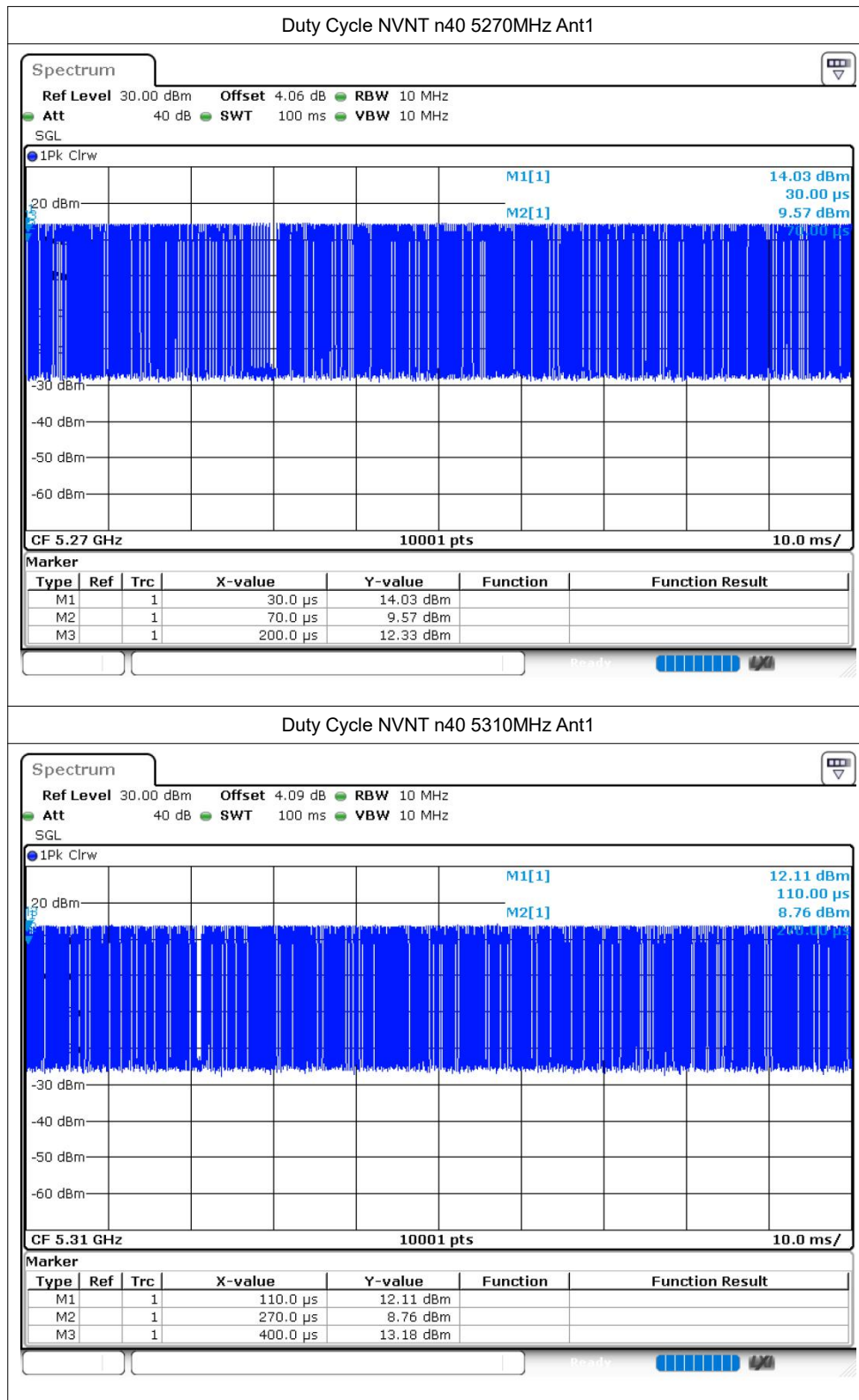


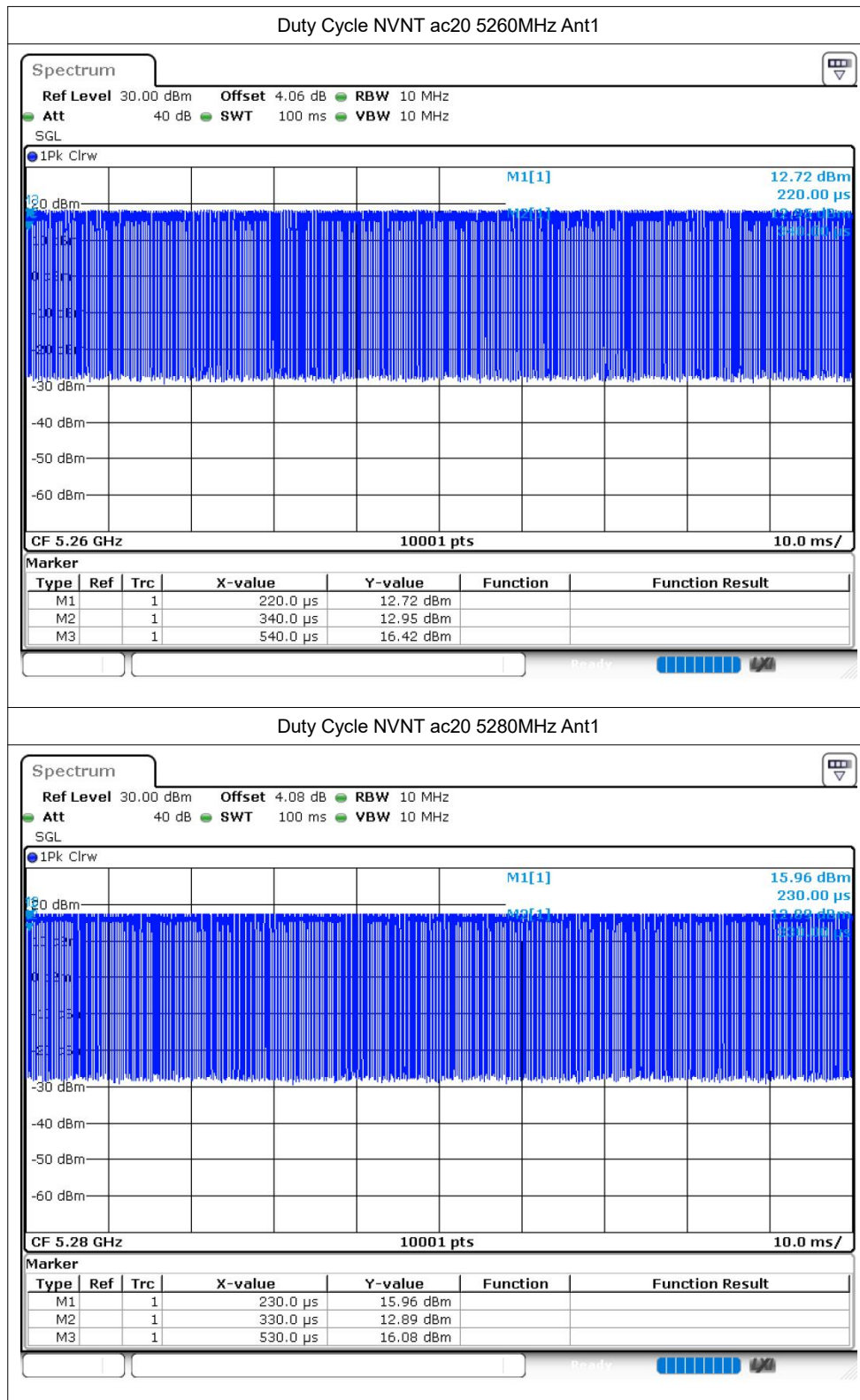
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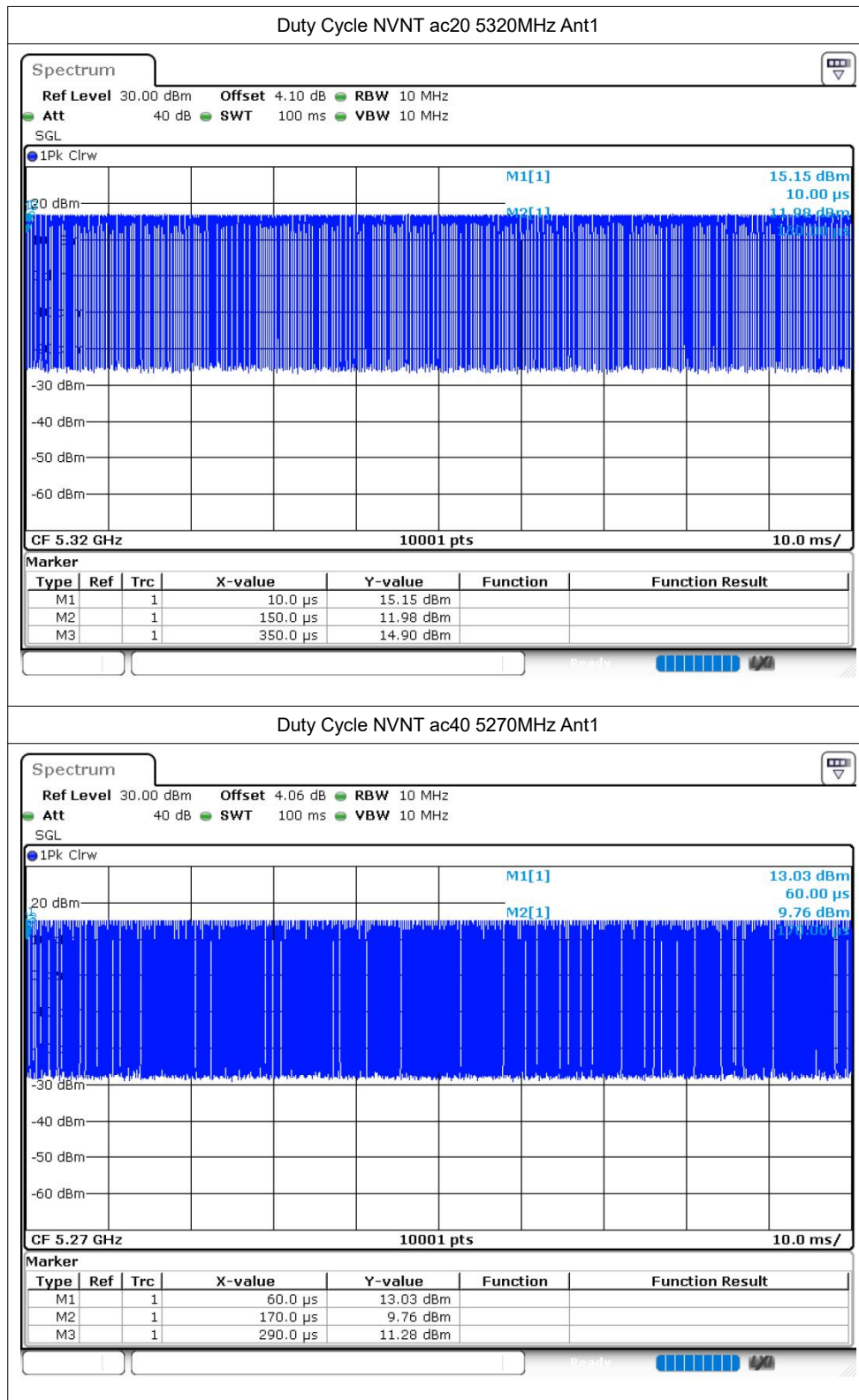
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	270.0 μ s	8.80 dBm		
M2		1	380.0 μ s	12.89 dBm		
M3		1	630.0 μ s	15.81 dBm		

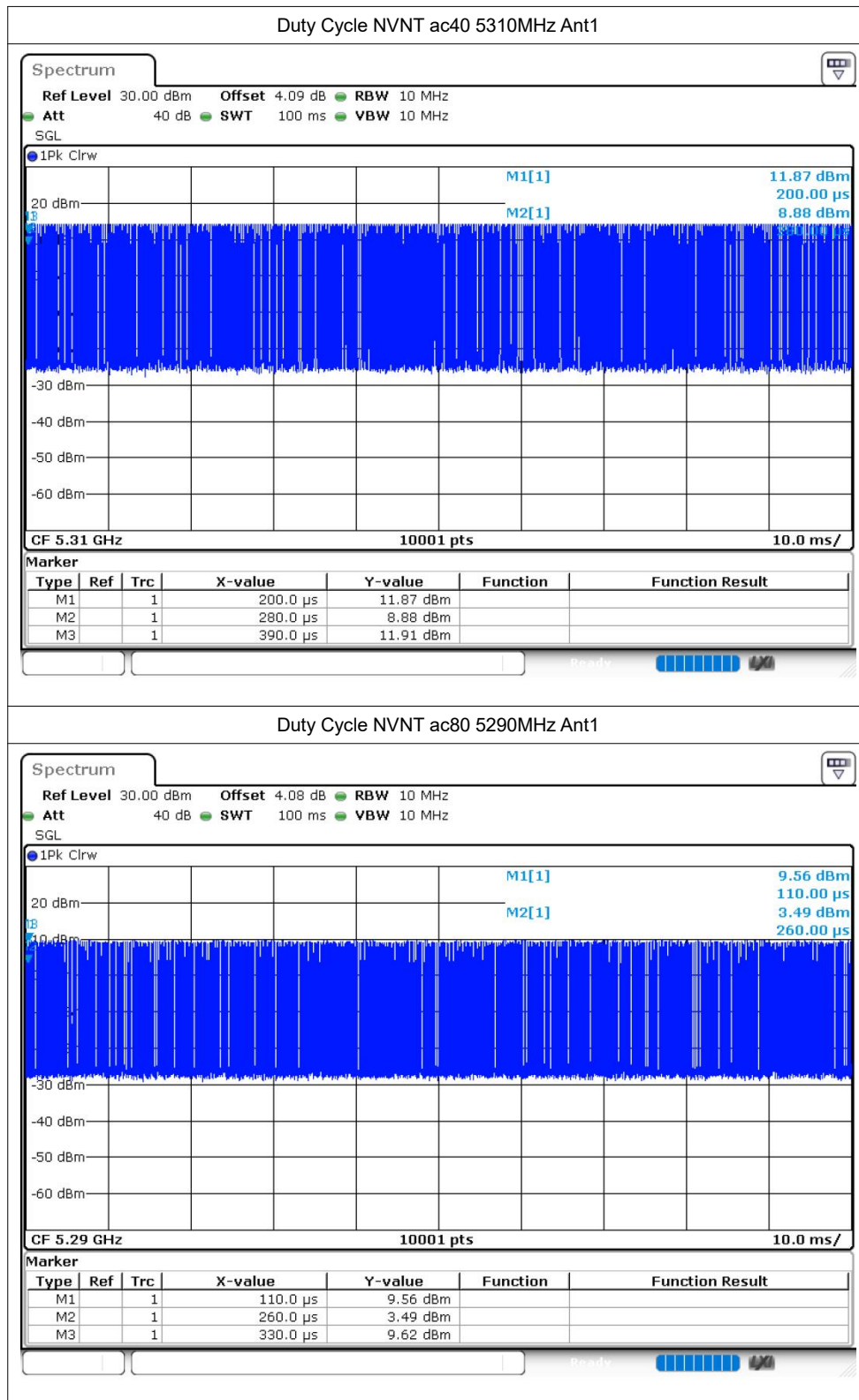












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.87	24	Pass
NVNT	a	5280	Ant1	11.57	24	Pass
NVNT	a	5320	Ant1	11.55	24	Pass
NVNT	n20	5260	Ant1	11.58	24	Pass
NVNT	n20	5280	Ant1	11.69	24	Pass
NVNT	n20	5320	Ant1	11.51	24	Pass
NVNT	n40	5270	Ant1	11.86	24	Pass
NVNT	n40	5310	Ant1	11.94	24	Pass
NVNT	ac20	5260	Ant1	11.83	24	Pass
NVNT	ac20	5280	Ant1	11.62	24	Pass
NVNT	ac20	5320	Ant1	11.74	24	Pass
NVNT	ac40	5270	Ant1	11.83	24	Pass
NVNT	ac40	5310	Ant1	11.89	24	Pass
NVNT	ac80	5290	Ant1	10.74	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	20.559	0.5	Pass
NVNT	a	5280	Ant1	20.1	0.5	Pass
NVNT	a	5320	Ant1	19.836	0.5	Pass
NVNT	n20	5260	Ant1	20.868	0.5	Pass
NVNT	n20	5280	Ant1	20.433	0.5	Pass
NVNT	n20	5320	Ant1	20.475	0.5	Pass
NVNT	n40	5270	Ant1	41.178	0.5	Pass
NVNT	n40	5310	Ant1	41.322	0.5	Pass
NVNT	ac20	5260	Ant1	21.477	0.5	Pass
NVNT	ac20	5280	Ant1	20.643	0.5	Pass
NVNT	ac20	5320	Ant1	20.709	0.5	Pass
NVNT	ac40	5270	Ant1	41.208	0.5	Pass
NVNT	ac40	5310	Ant1	42.33	0.5	Pass
NVNT	ac80	5290	Ant1	82.536	0.5	Pass

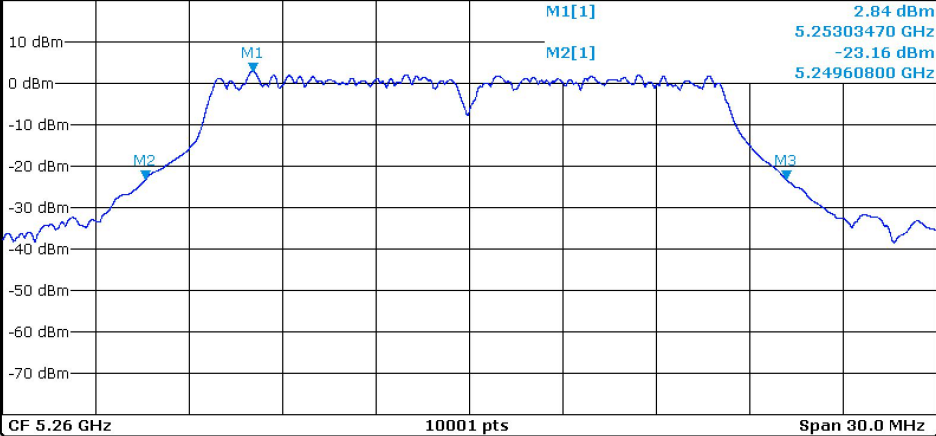
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.06 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

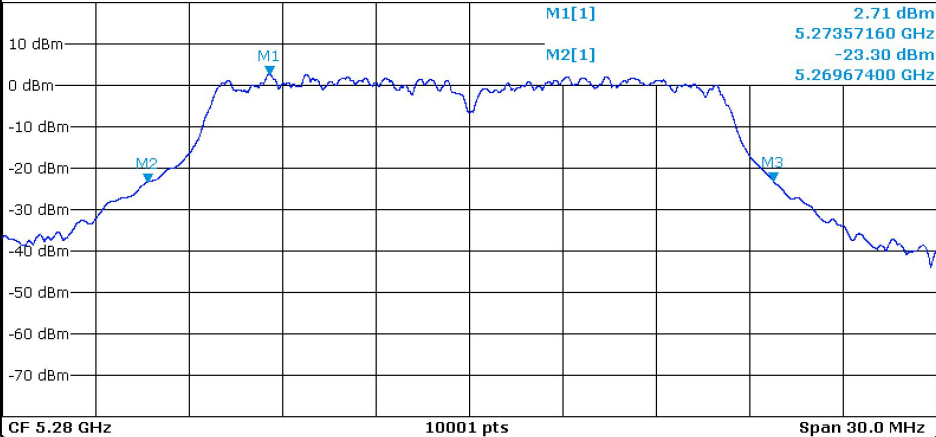


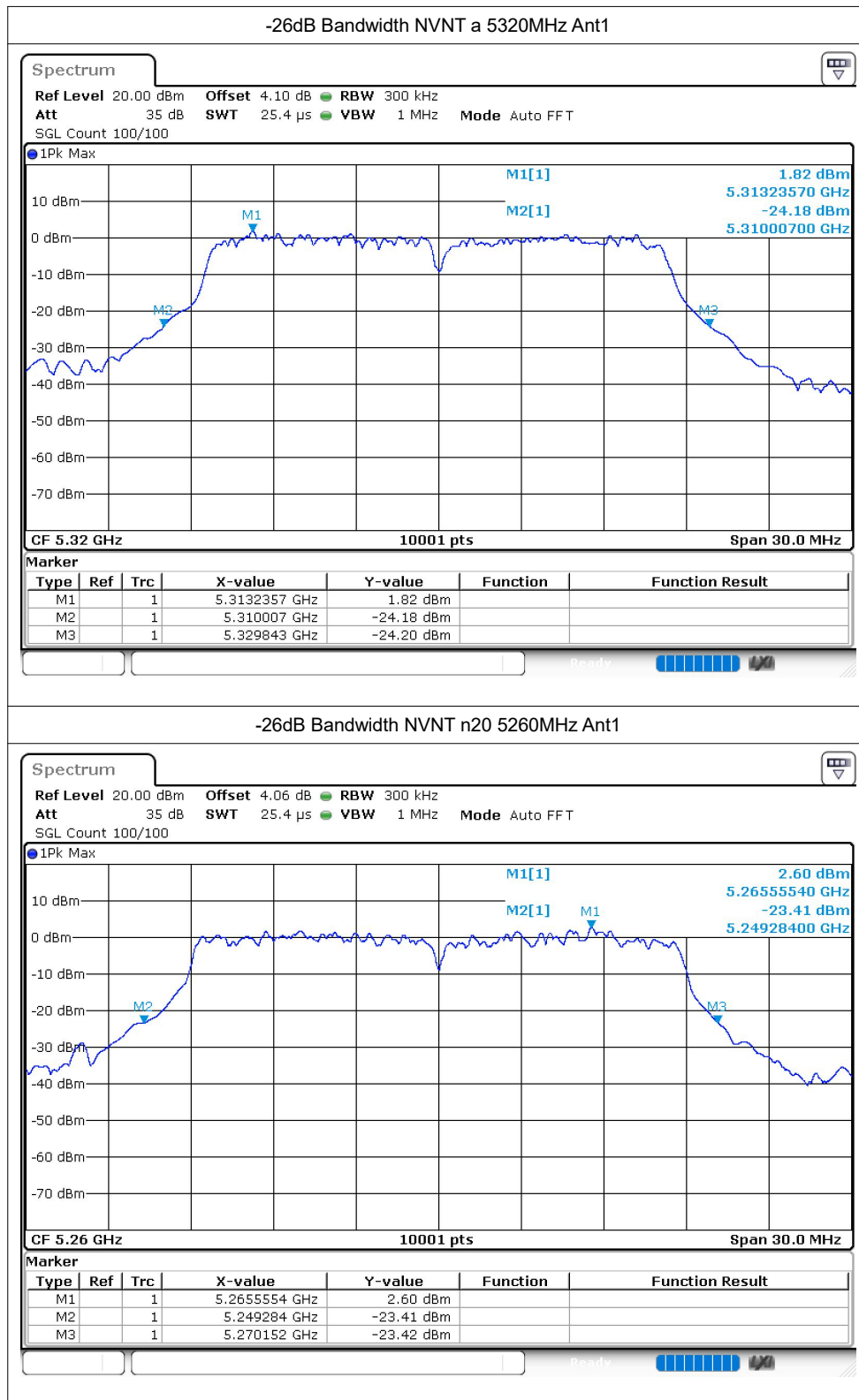
-26dB Bandwidth NVNT a 5280MHz Ant1

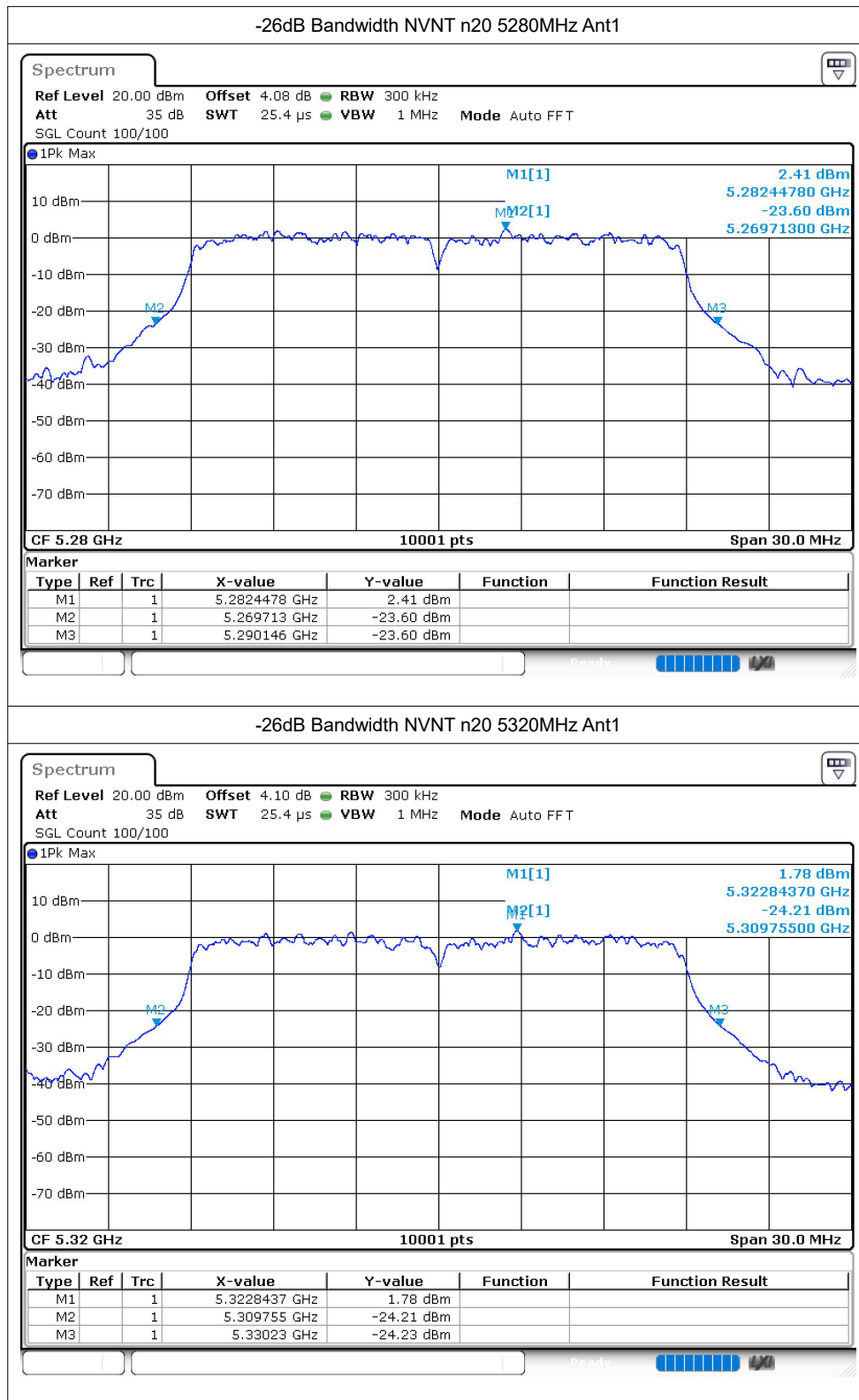
Spectrum

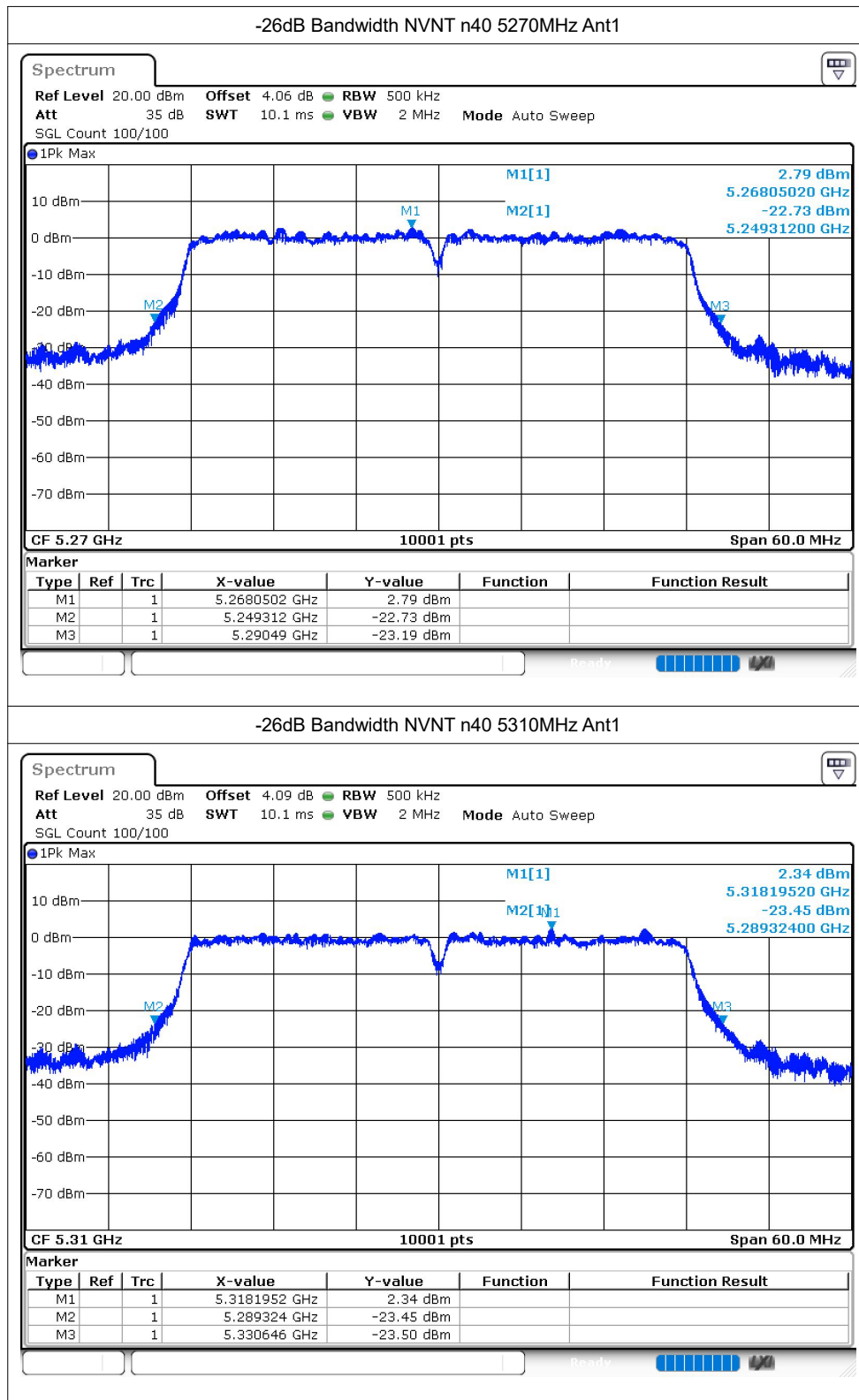
Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max







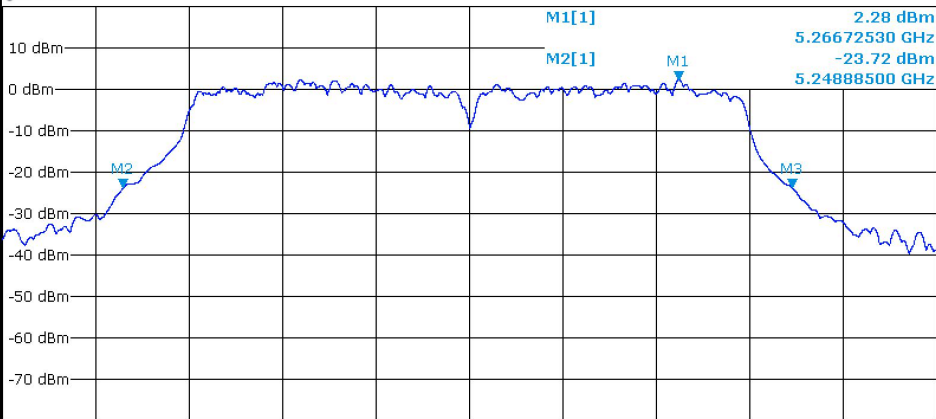


-26dB Bandwidth NVNT ac20 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.06 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

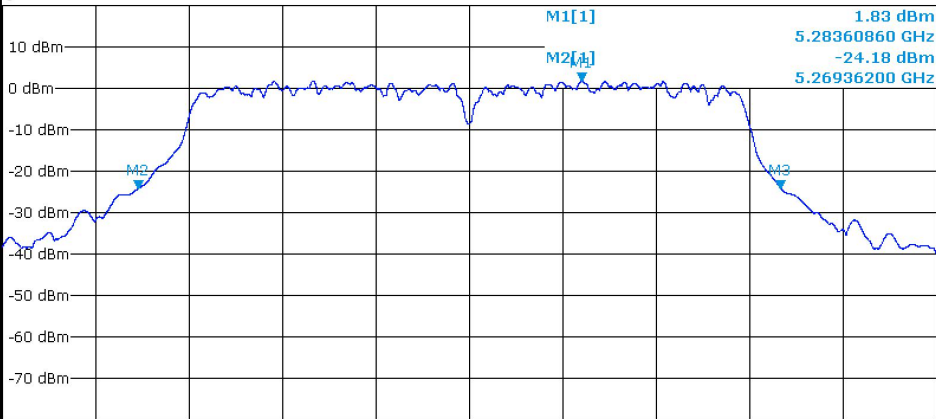
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2667253 GHz	2.28 dBm		
M2		1	5.248885 GHz	-23.72 dBm		
M3		1	5.270362 GHz	-23.73 dBm		

-26dB Bandwidth NVNT ac20 5280MHz Ant1

Spectrum

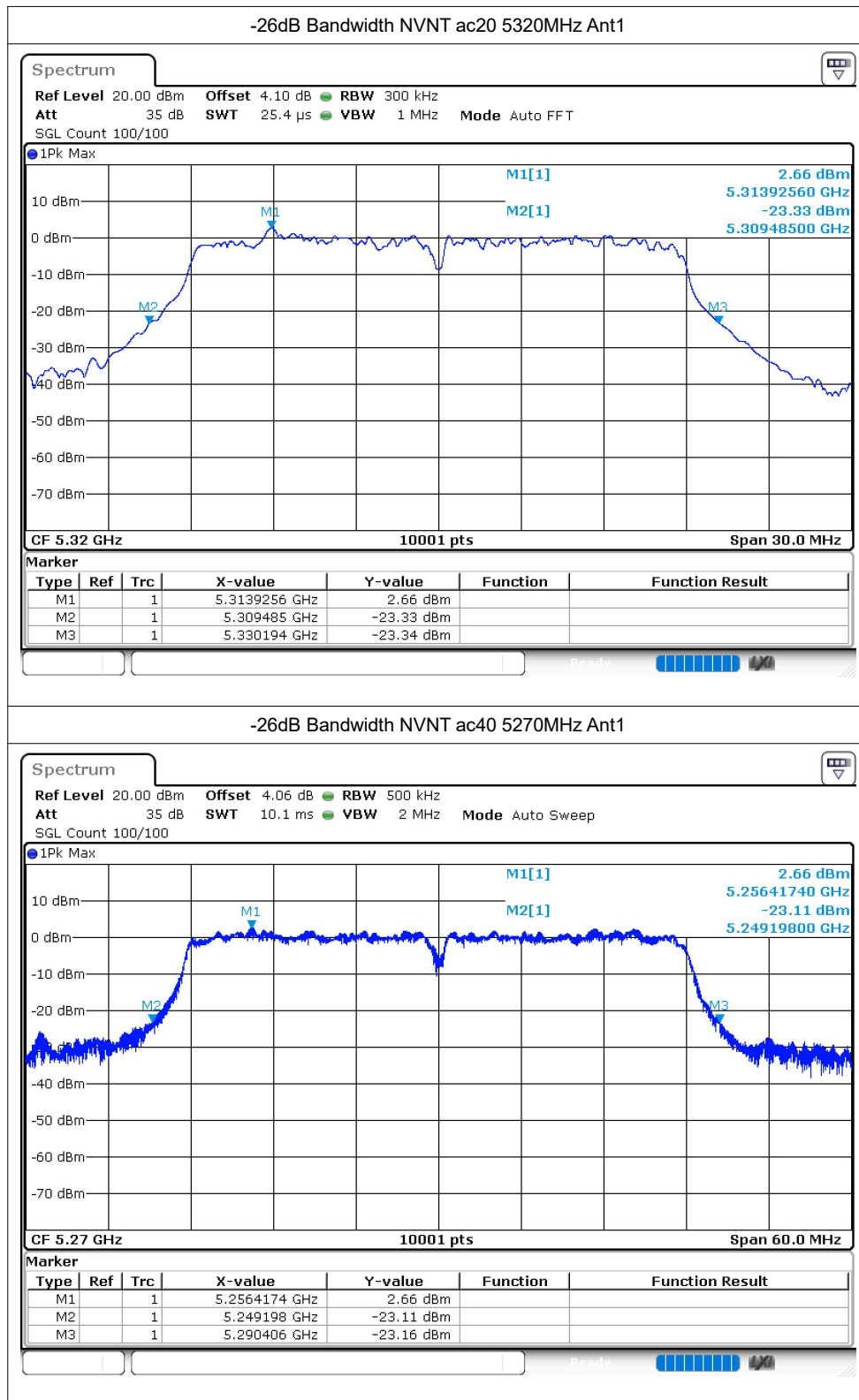
Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

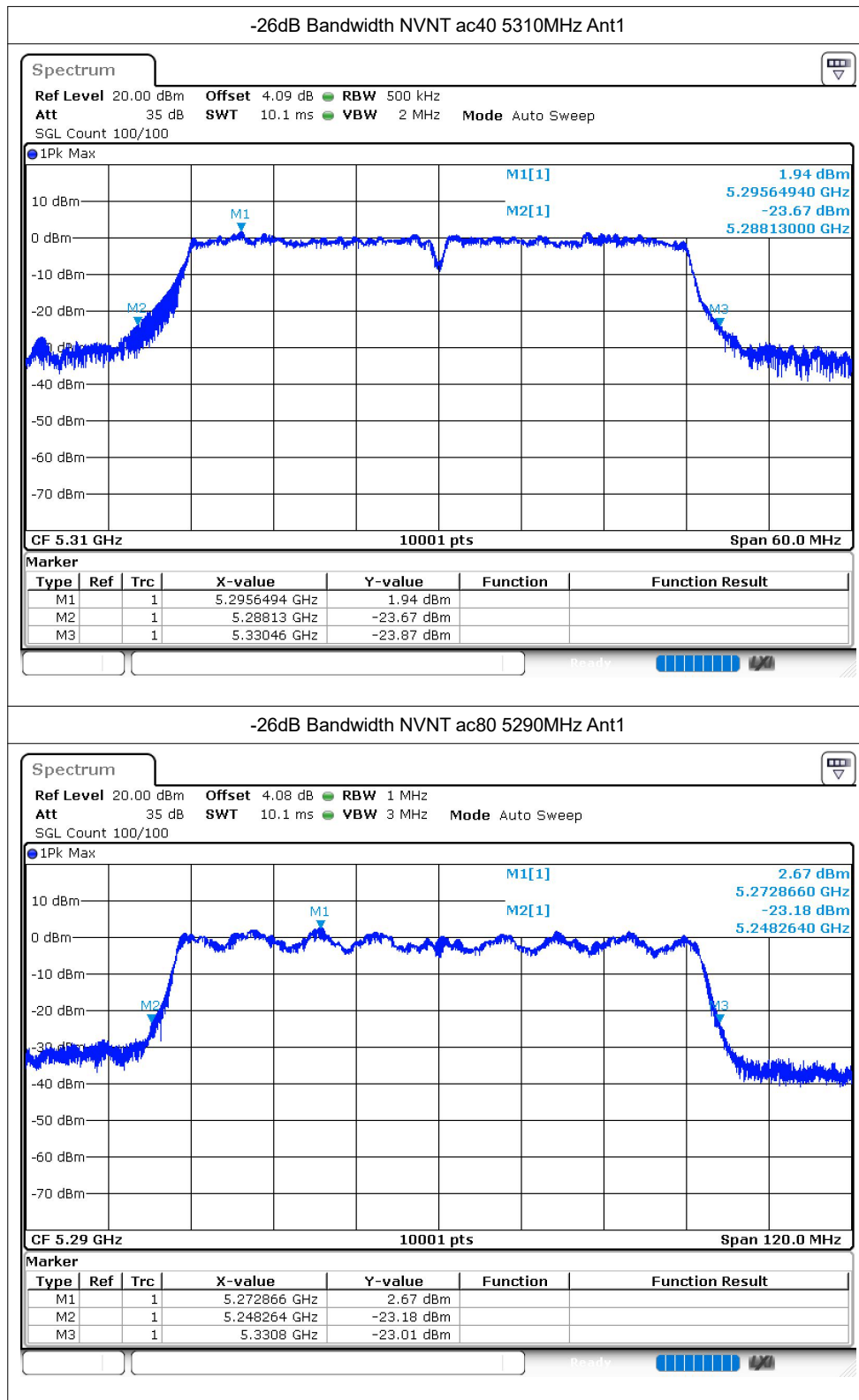
1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2836086 GHz	1.83 dBm		
M2		1	5.269362 GHz	-24.18 dBm		
M3		1	5.290005 GHz	-24.19 dBm		





Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.465
NVNT	a	5280	Ant1	16.582
NVNT	a	5320	Ant1	16.531
NVNT	n20	5260	Ant1	17.629
NVNT	n20	5280	Ant1	17.632
NVNT	n20	5320	Ant1	17.629
NVNT	n40	5270	Ant1	36.164
NVNT	n40	5310	Ant1	36.206
NVNT	ac20	5260	Ant1	17.62
NVNT	ac20	5280	Ant1	17.572
NVNT	ac20	5320	Ant1	17.641
NVNT	ac40	5270	Ant1	36.188
NVNT	ac40	5310	Ant1	36.308
NVNT	ac80	5290	Ant1	75.628