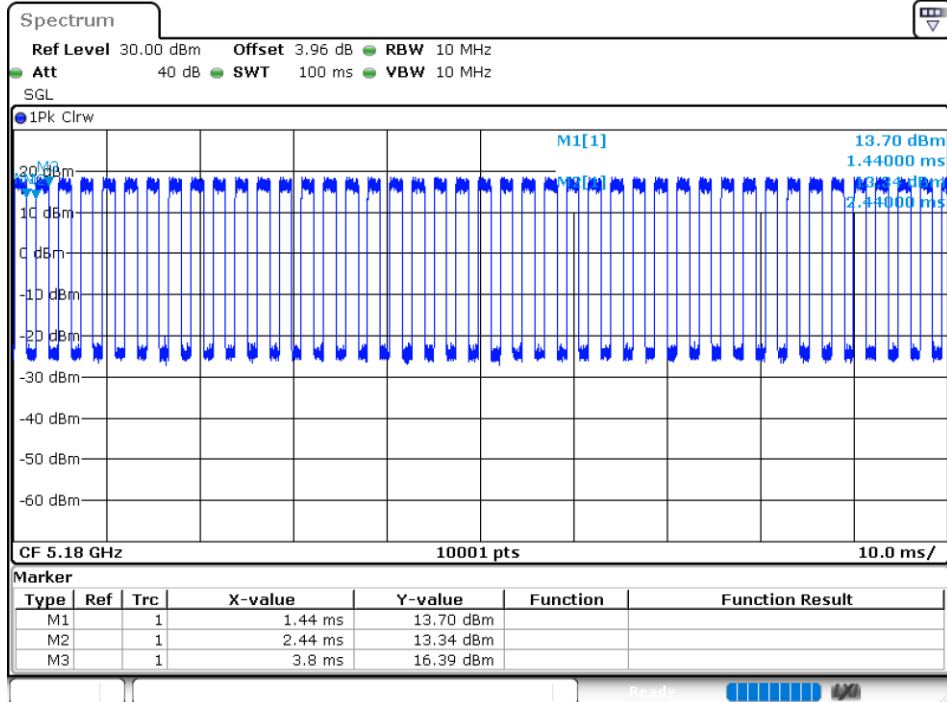


Duty Cycle

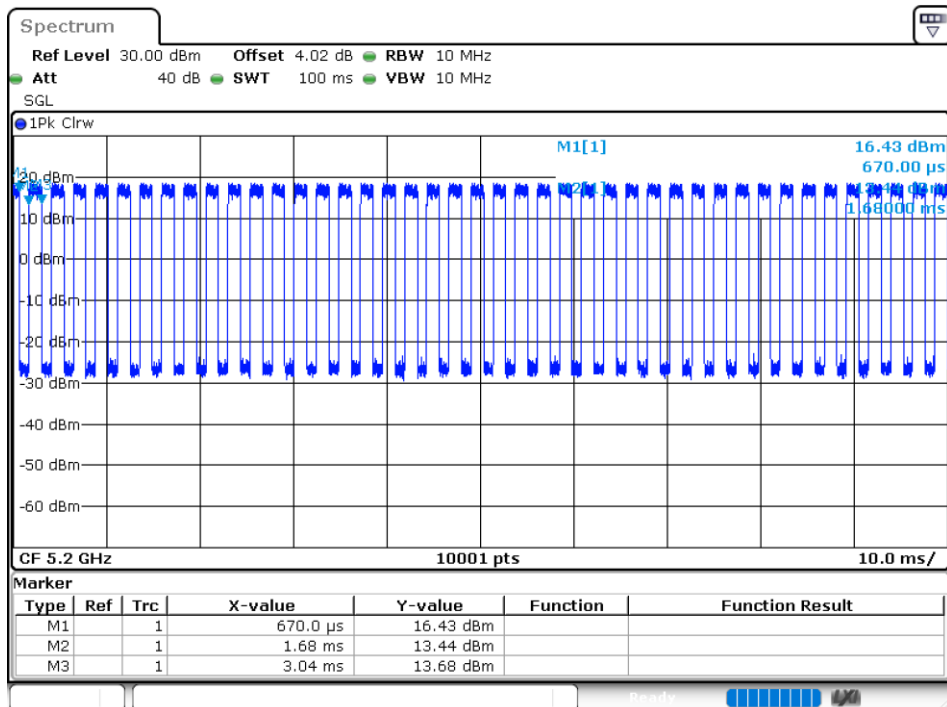
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	58.15	2.35	0.74
NVNT	a	5200	Ant1	58.21	2.35	0.74
NVNT	a	5240	Ant1	57.74	2.38	0.74
NVNT	n20	5180	Ant1	56.39	2.49	0.79
NVNT	n20	5200	Ant1	56.25	2.5	0.79
NVNT	n20	5240	Ant1	56.38	2.49	0.79
NVNT	n40	5190	Ant1	39.17	4.07	1.59
NVNT	n40	5230	Ant1	39.15	4.07	1.59
NVNT	ac20	5180	Ant1	56.58	2.47	0.78
NVNT	ac20	5200	Ant1	56.26	2.5	0.78
NVNT	ac20	5240	Ant1	56.6	2.47	0.79
NVNT	ac40	5190	Ant1	39.39	4.05	1.56
NVNT	ac40	5230	Ant1	39.36	4.05	1.56
NVNT	ac80	5210	Ant1	24.63	6.09	3.23

Test Graphs

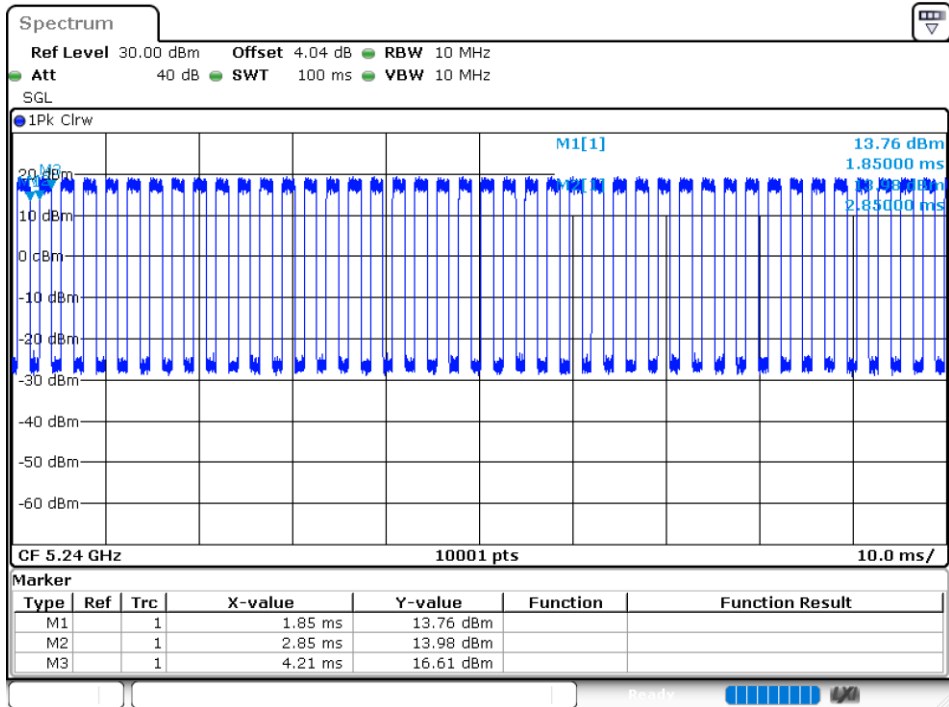
Duty Cycle NVNT a 5180MHz Ant1



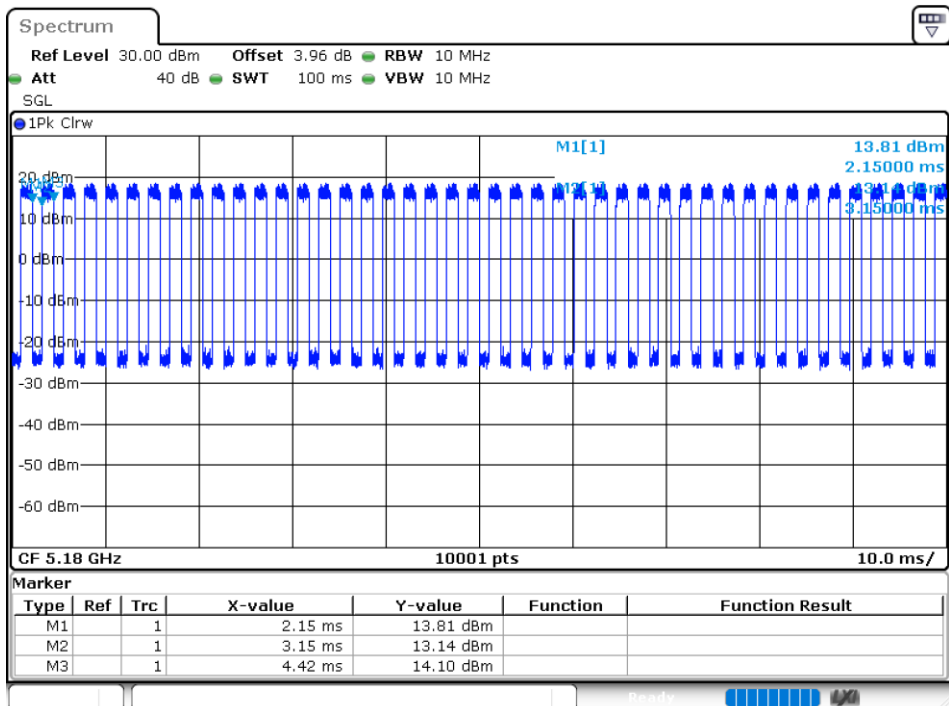
Duty Cycle NVNT a 5200MHz Ant1

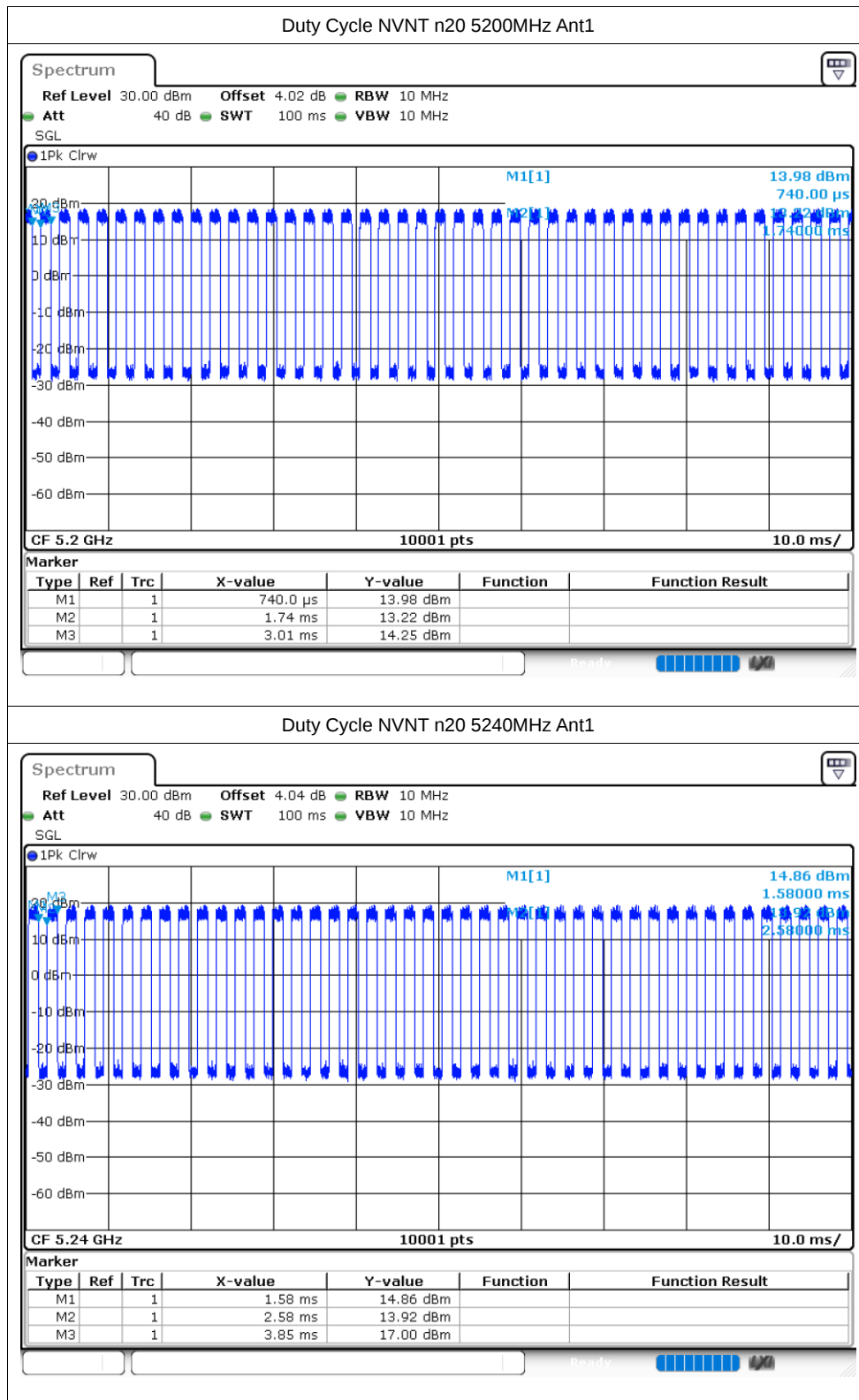


Duty Cycle NVNT a 5240MHz Ant1

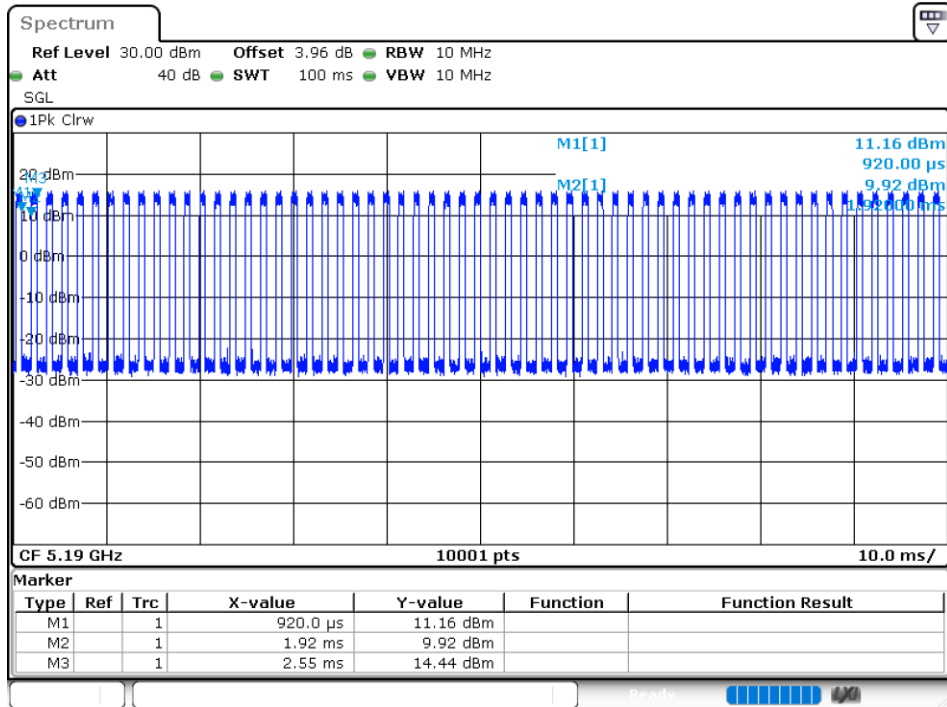


Duty Cycle NVNT n20 5180MHz Ant1

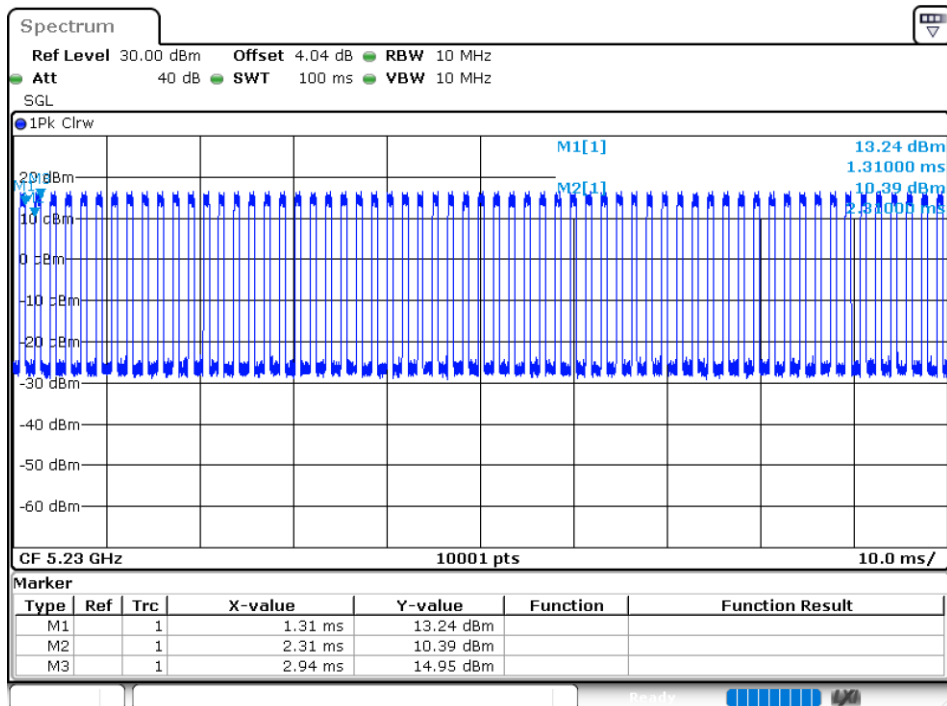


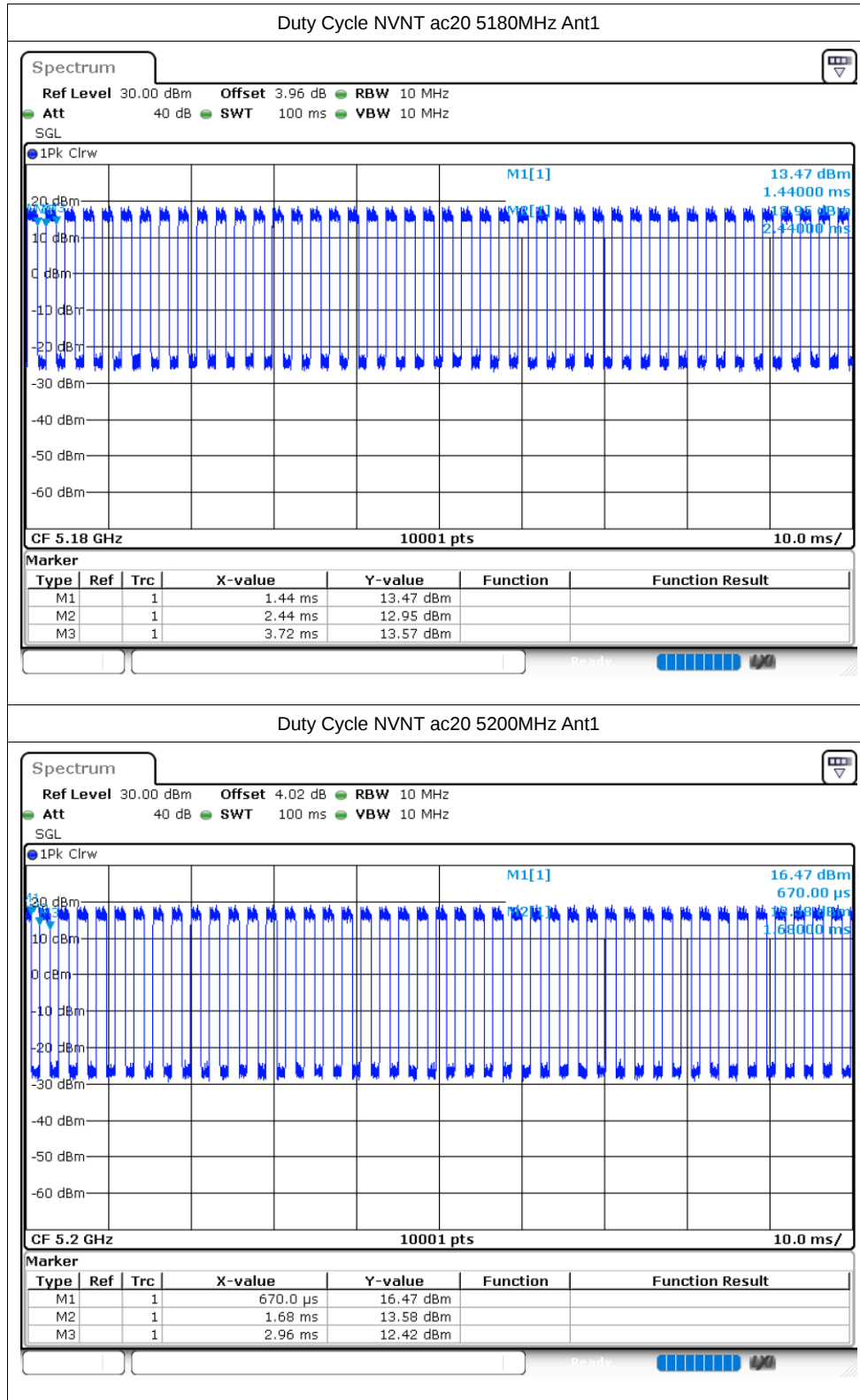


Duty Cycle NVNT n40 5190MHz Ant1

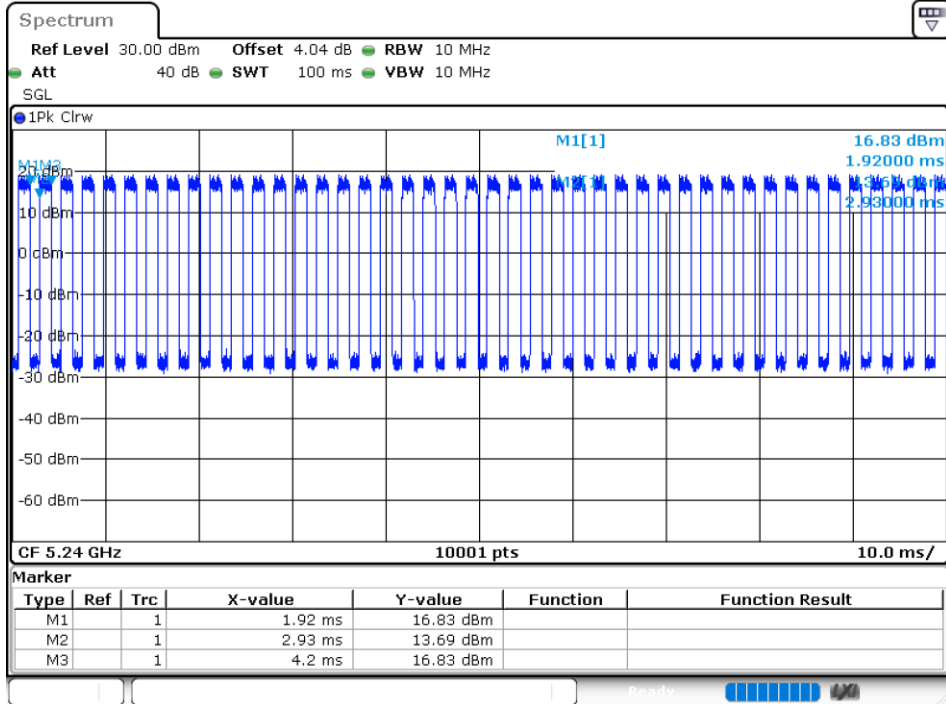


Duty Cycle NVNT n40 5230MHz Ant1

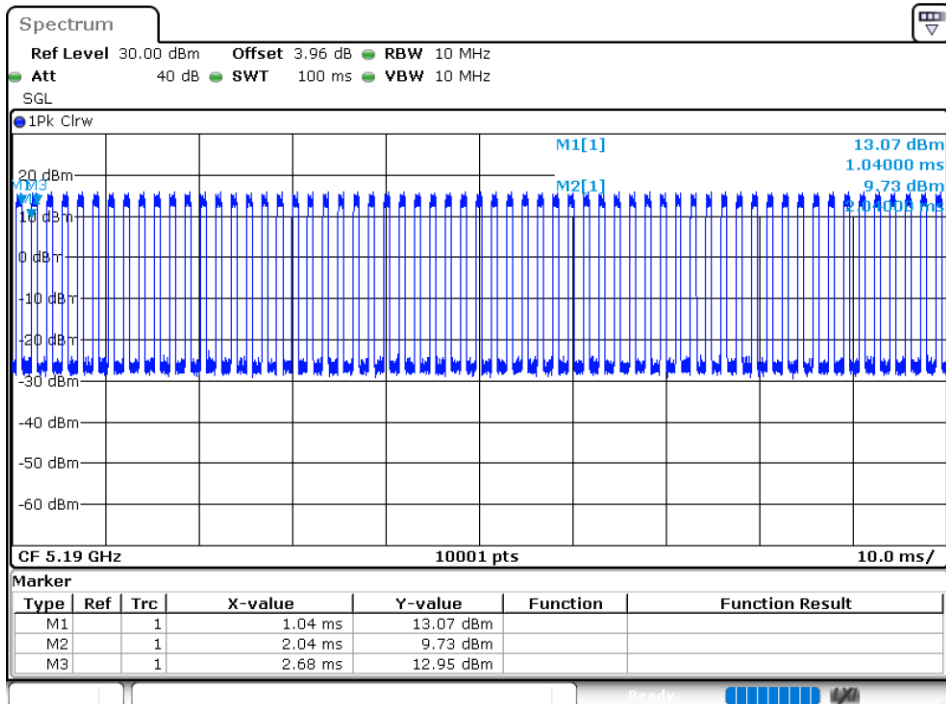




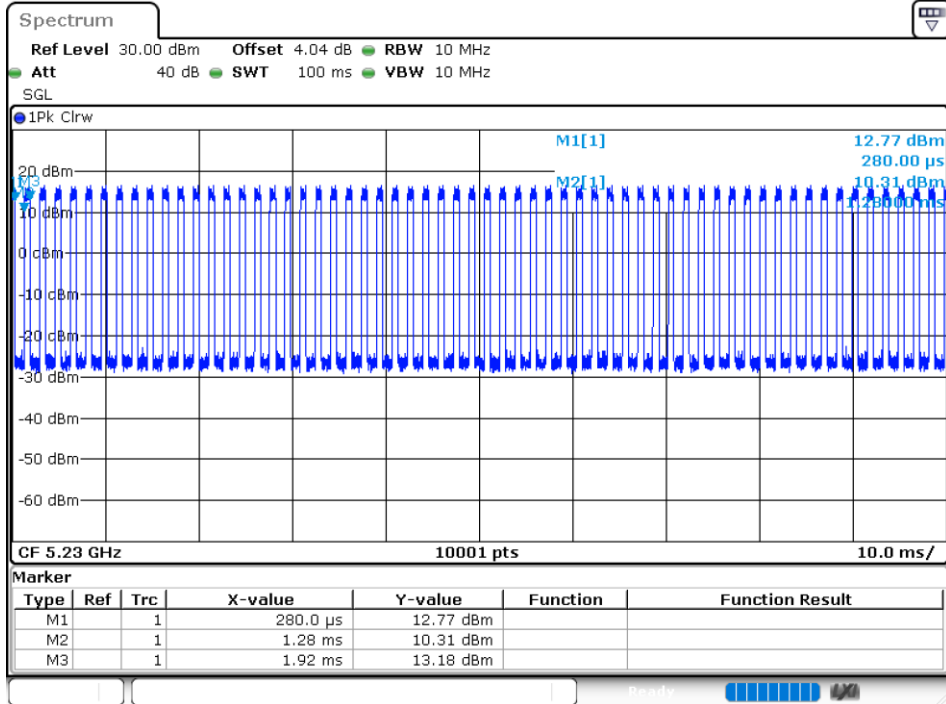
Duty Cycle NVNT ac20 5240MHz Ant1



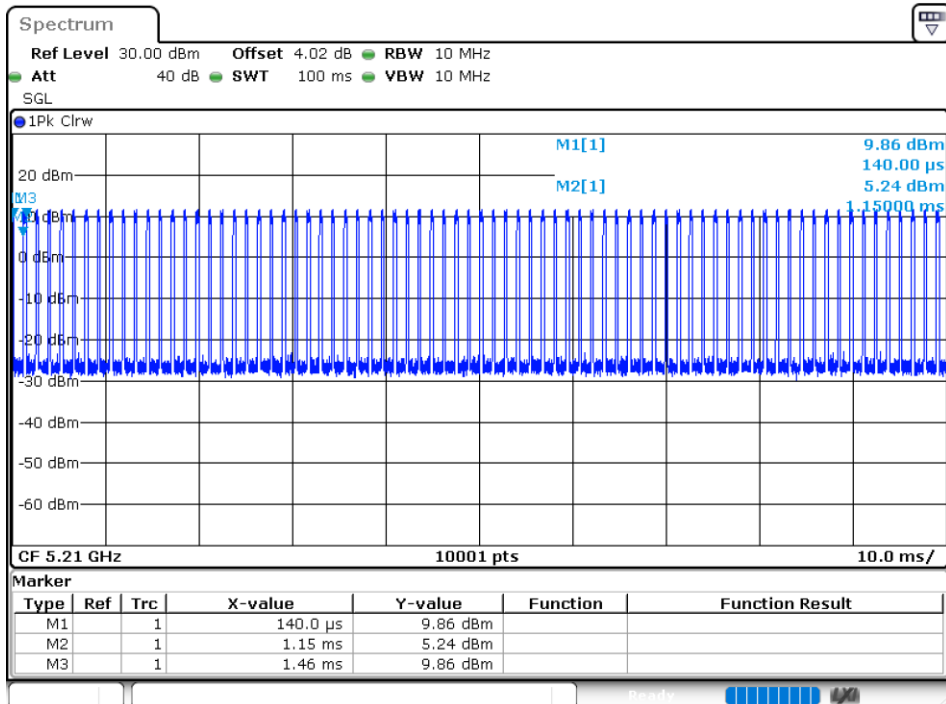
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.25	24	Pass
NVNT	a	5200	Ant1	12.45	24	Pass
NVNT	a	5240	Ant1	13.12	24	Pass
NVNT	n20	5180	Ant1	11.69	24	Pass
NVNT	n20	5200	Ant1	12.11	24	Pass
NVNT	n20	5240	Ant1	12.97	24	Pass
NVNT	n40	5190	Ant1	12.26	24	Pass
NVNT	n40	5230	Ant1	13.47	24	Pass
NVNT	ac20	5180	Ant1	11.73	24	Pass
NVNT	ac20	5200	Ant1	12.63	24	Pass
NVNT	ac20	5240	Ant1	12.75	24	Pass
NVNT	ac40	5190	Ant1	12.41	24	Pass
NVNT	ac40	5230	Ant1	13.18	24	Pass
NVNT	ac80	5210	Ant1	13.28	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.998	0.5	Pass
NVNT	a	5200	Ant1	20.811	0.5	Pass
NVNT	a	5240	Ant1	20.55	0.5	Pass
NVNT	n20	5180	Ant1	20.949	0.5	Pass
NVNT	n20	5200	Ant1	21.855	0.5	Pass
NVNT	n20	5240	Ant1	21.204	0.5	Pass
NVNT	n40	5190	Ant1	42.918	0.5	Pass
NVNT	n40	5230	Ant1	43.104	0.5	Pass
NVNT	ac20	5180	Ant1	21.09	0.5	Pass
NVNT	ac20	5200	Ant1	21.189	0.5	Pass
NVNT	ac20	5240	Ant1	20.559	0.5	Pass
NVNT	ac40	5190	Ant1	42.48	0.5	Pass
NVNT	ac40	5230	Ant1	42.642	0.5	Pass
NVNT	ac80	5210	Ant1	82.488	0.5	Pass

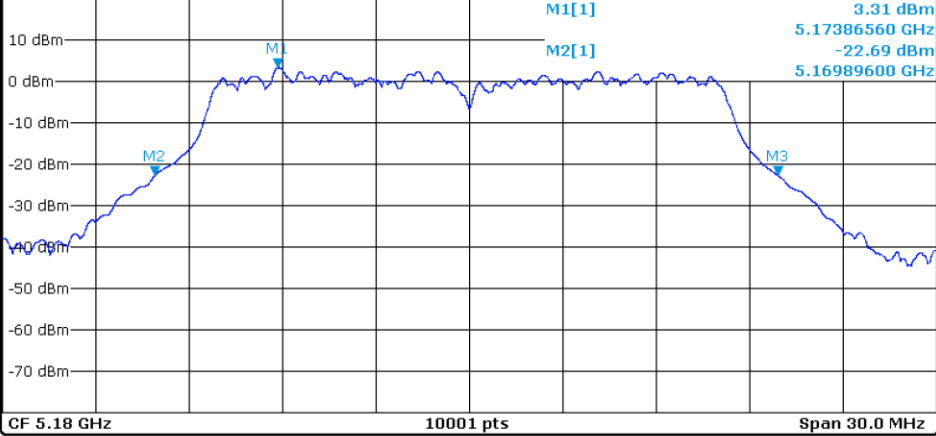
Test Graphs

-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

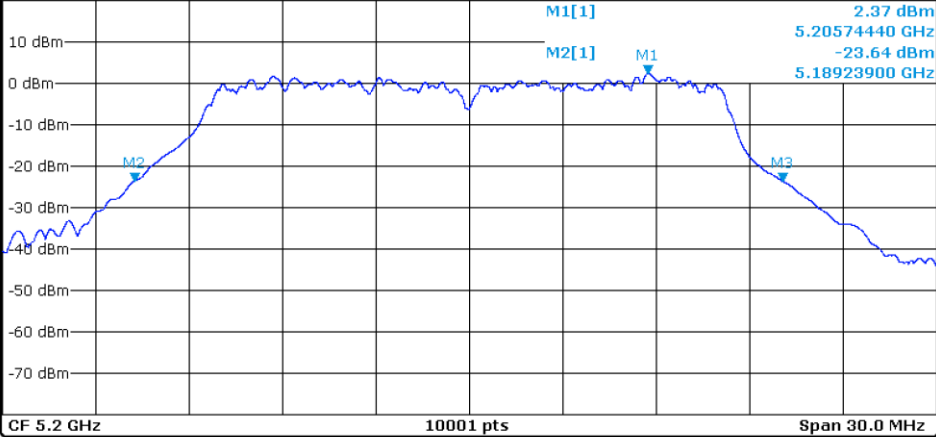


-26dB Bandwidth NVNT a 5200MHz Ant1

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

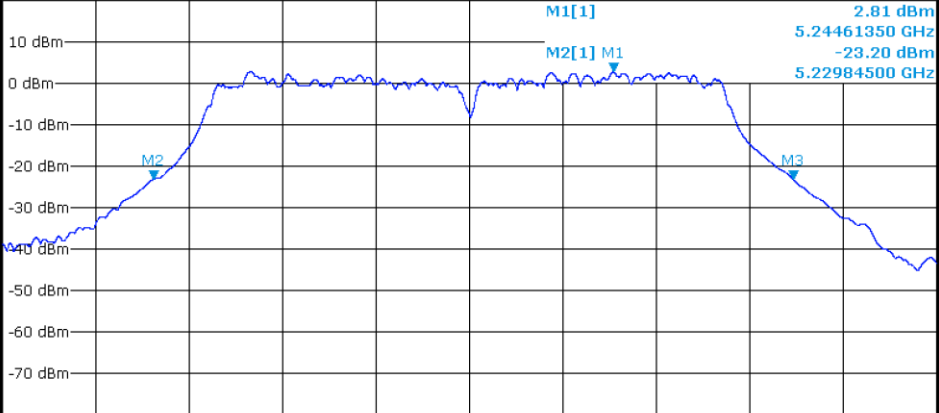


-26dB Bandwidth NVNT a 5240MHz Ant1

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



CF 5.24 GHz 10001 pts Span 30.0 MHz

Marker

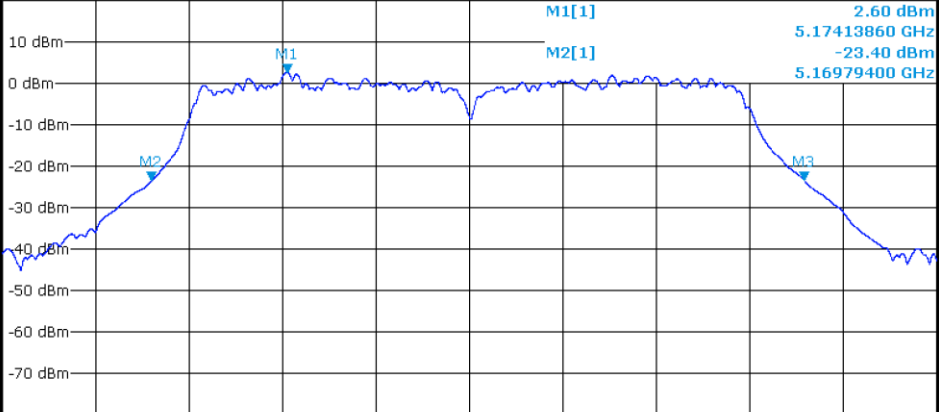
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2446135 GHz	2.81 dBm		
M2	1	1	5.229845 GHz	-23.20 dBm		
M3	1	1	5.250395 GHz	-23.20 dBm		

-26dB Bandwidth NVNT n20 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

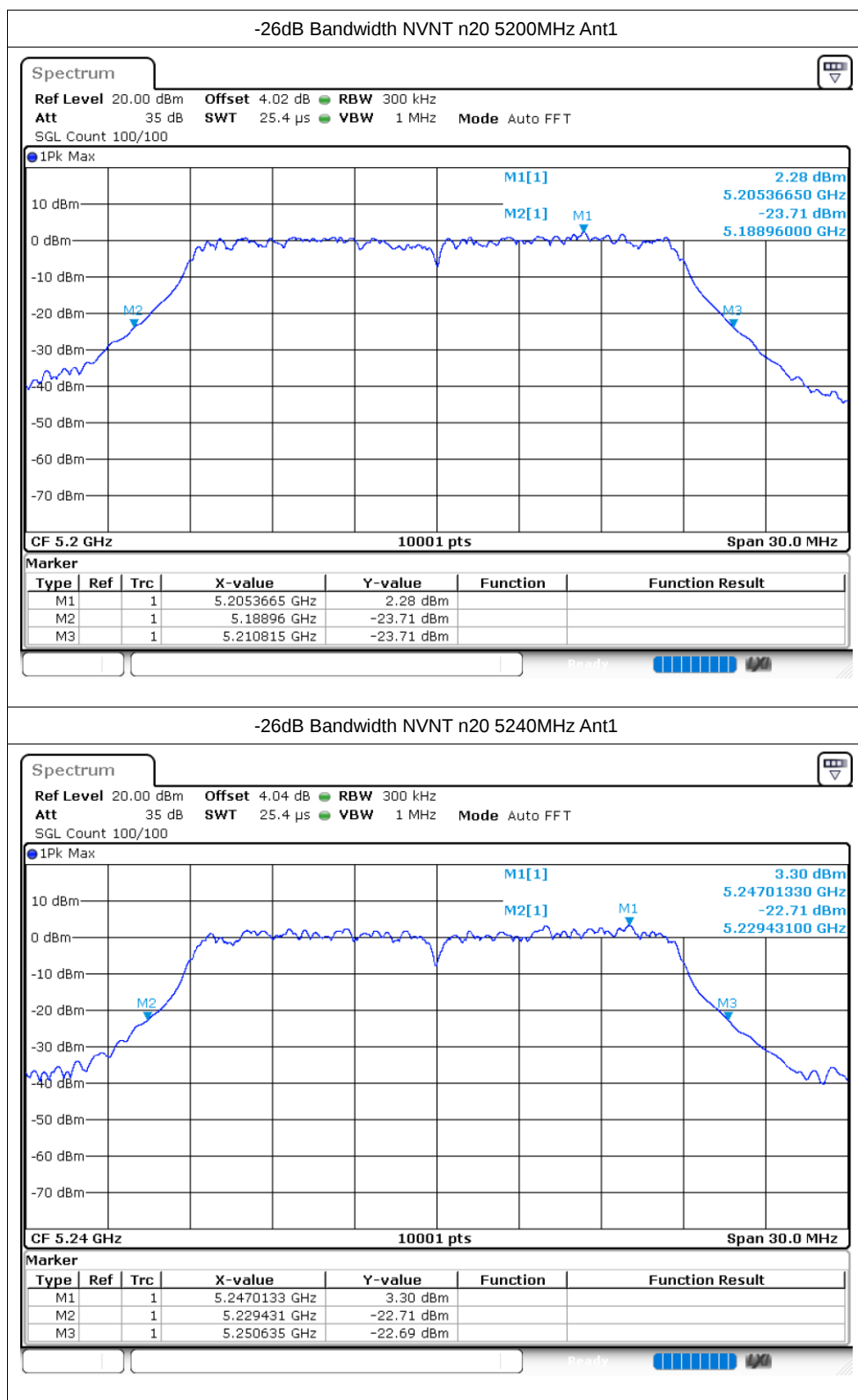
1Pk Max

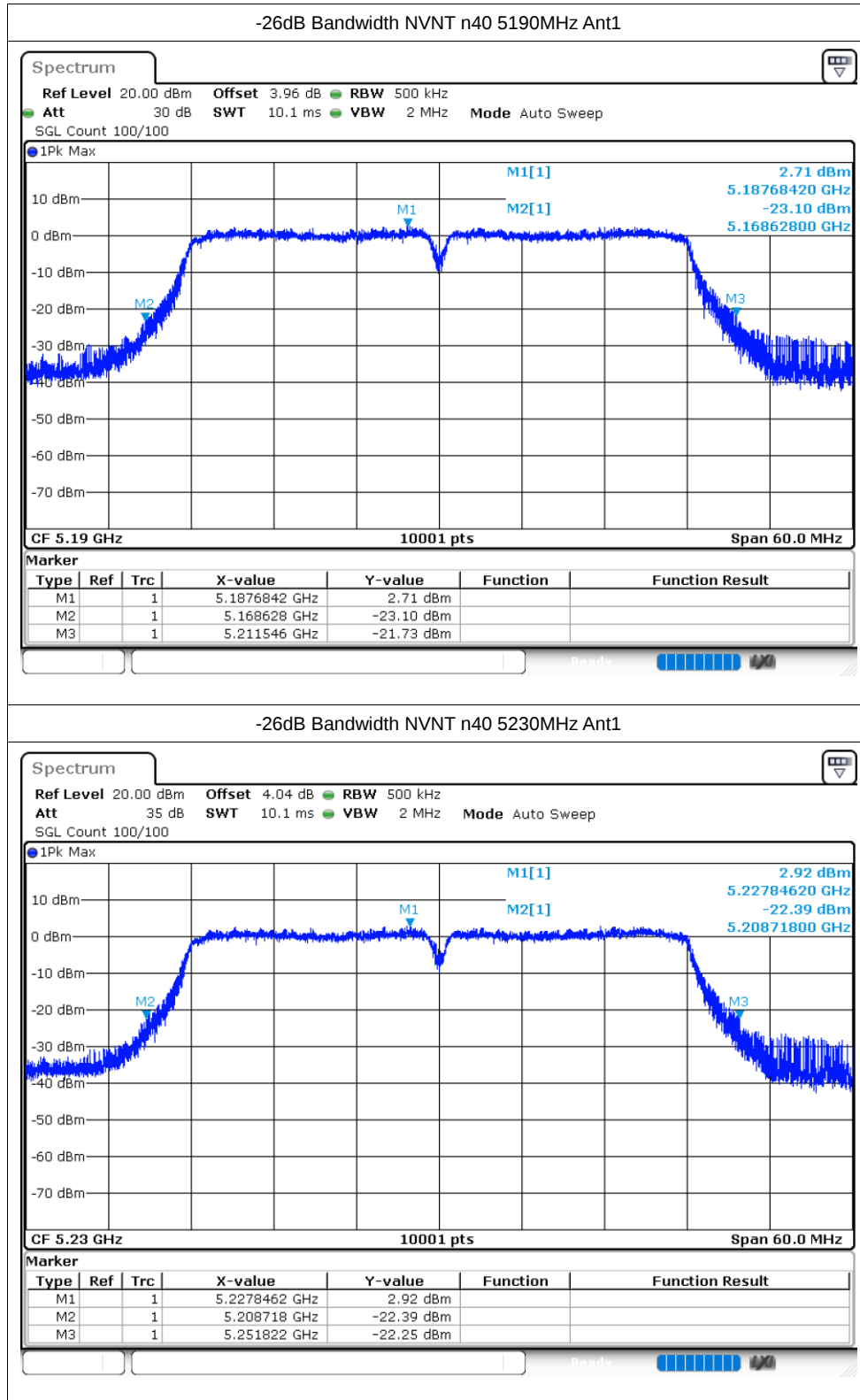


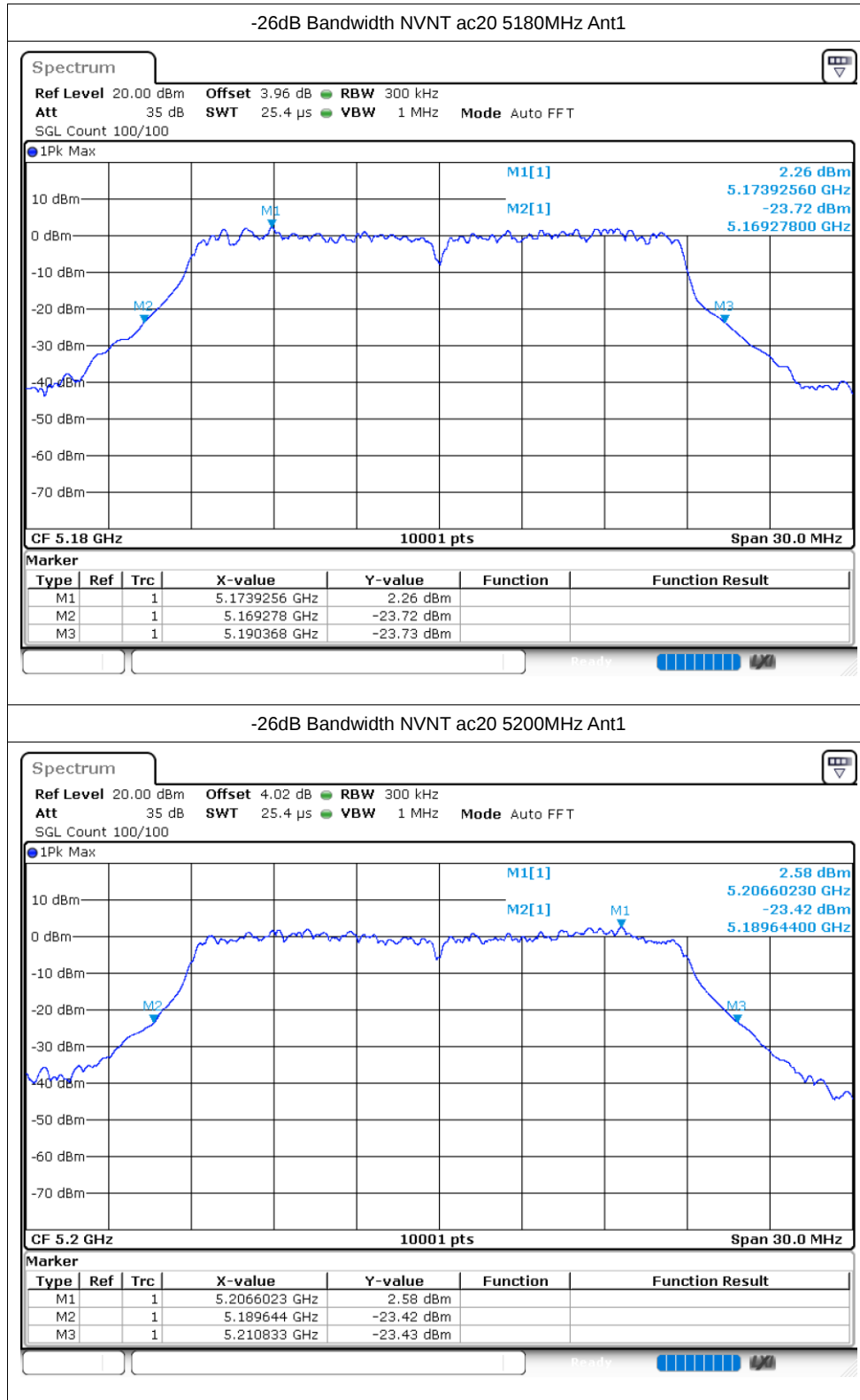
CF 5.18 GHz 10001 pts Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1741386 GHz	2.60 dBm		
M2	1	1	5.169794 GHz	-23.40 dBm		
M3	1	1	5.190743 GHz	-23.40 dBm		





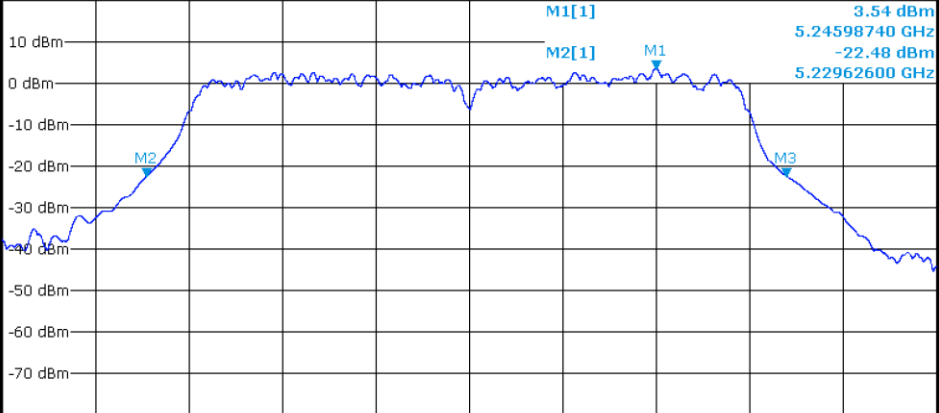


-26dB Bandwidth NVNT ac20 5240MHz Ant1

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

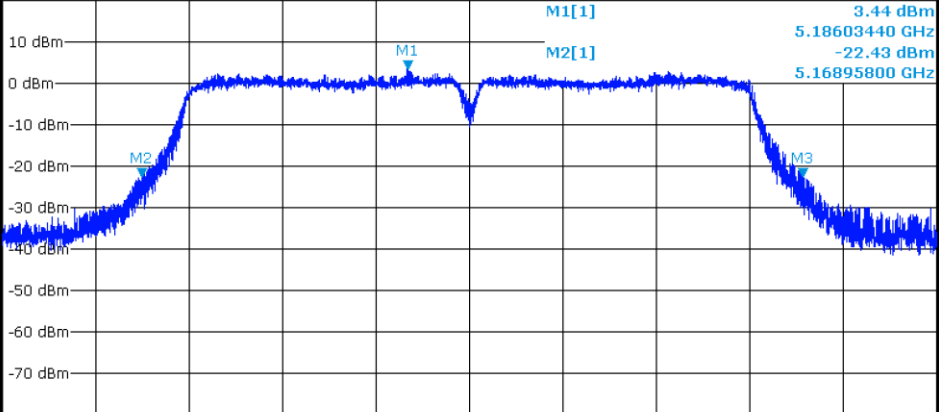
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2459874 GHz	3.54 dBm		
M2	1	1	5.229626 GHz	-22.48 dBm		
M3	1	1	5.250185 GHz	-22.47 dBm		

-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



Marker

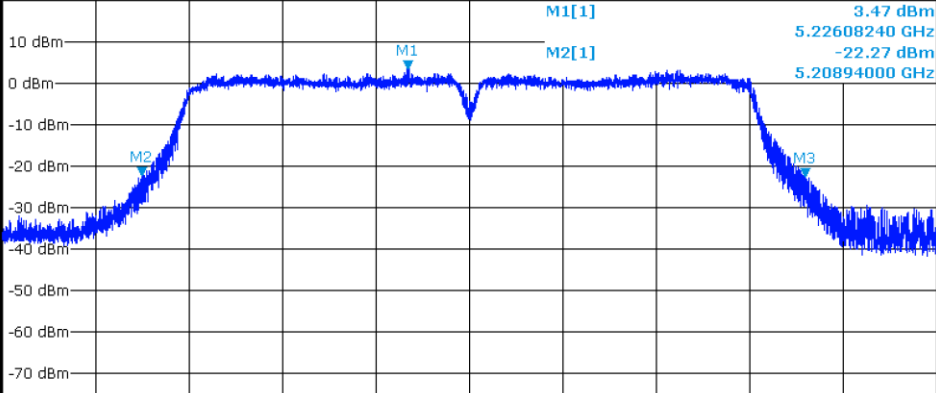
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1860344 GHz	3.44 dBm		
M2	1	1	5.168958 GHz	-22.43 dBm		
M3	1	1	5.211438 GHz	-22.55 dBm		

-26dB Bandwidth NVNT ac40 5230MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.04 dB RBW 500 kHz
Att 35 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



CF 5.23 GHz 10001 pts Span 60.0 MHz

Marker

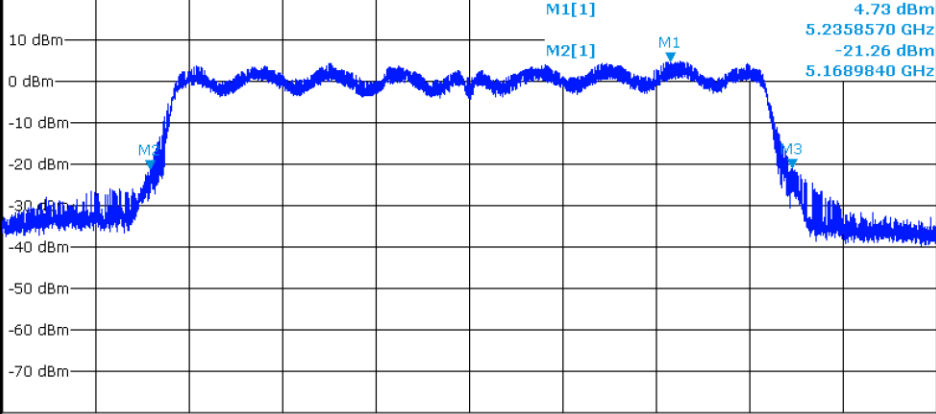
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2260824 GHz	3.47 dBm		
M2		1	5.20894 GHz	-22.27 dBm		
M3		1	5.251582 GHz	-22.49 dBm		

-26dB Bandwidth NVNT ac80 5210MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.02 dB RBW 1 MHz
Att 35 dB SWT 10.1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



CF 5.21 GHz 10001 pts Span 120.0 MHz

Marker

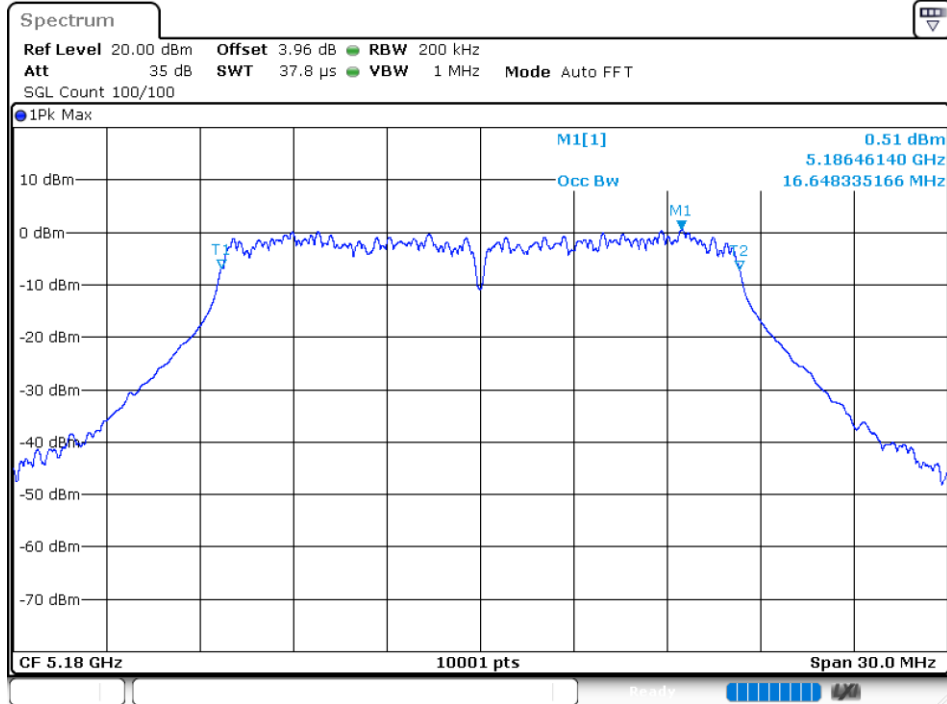
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.235857 GHz	4.73 dBm		
M2		1	5.168984 GHz	-21.26 dBm		
M3		1	5.251472 GHz	-20.85 dBm		

Occupied Channel Bandwidth

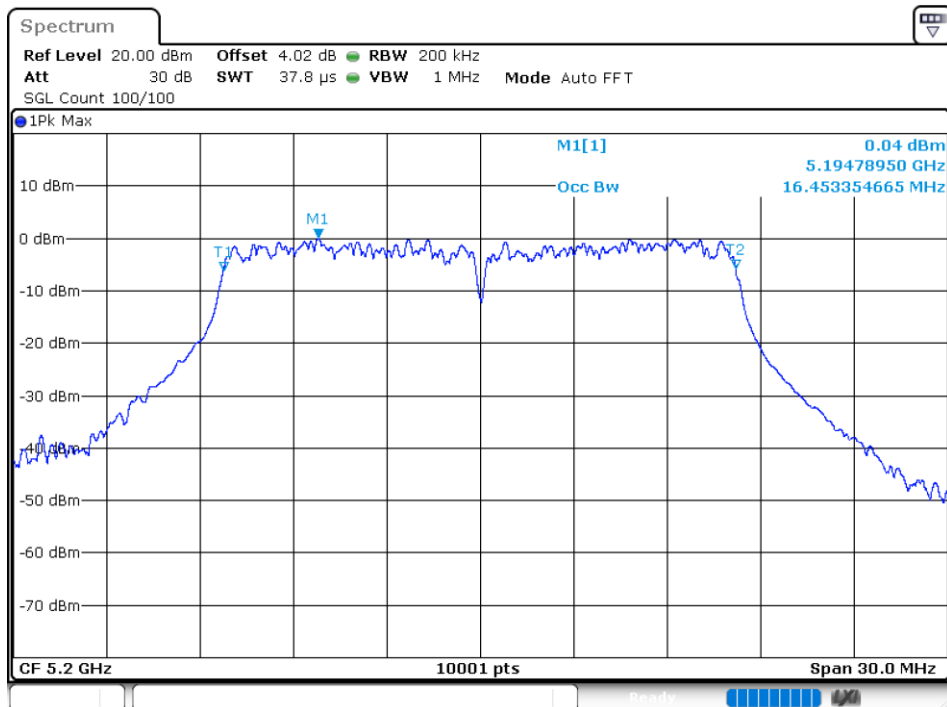
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.648
NVNT	a	5200	Ant1	16.453
NVNT	a	5240	Ant1	16.6
NVNT	n20	5180	Ant1	17.668
NVNT	n20	5200	Ant1	17.707
NVNT	n20	5240	Ant1	17.683
NVNT	n40	5190	Ant1	36.314
NVNT	n40	5230	Ant1	36.326
NVNT	ac20	5180	Ant1	17.725
NVNT	ac20	5200	Ant1	17.662
NVNT	ac20	5240	Ant1	17.596
NVNT	ac40	5190	Ant1	36.272
NVNT	ac40	5230	Ant1	36.296
NVNT	ac80	5210	Ant1	75.64

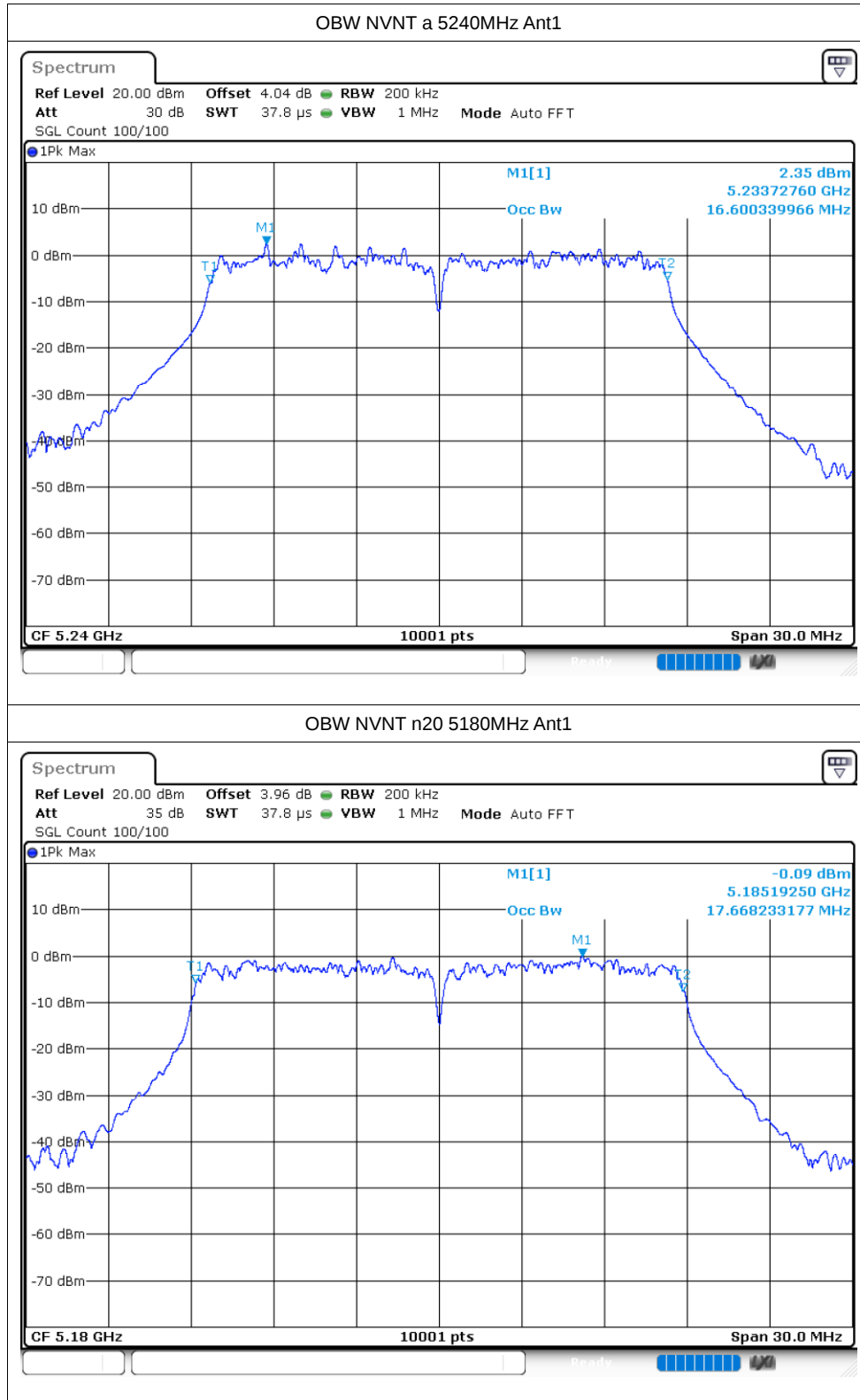
Test Graphs

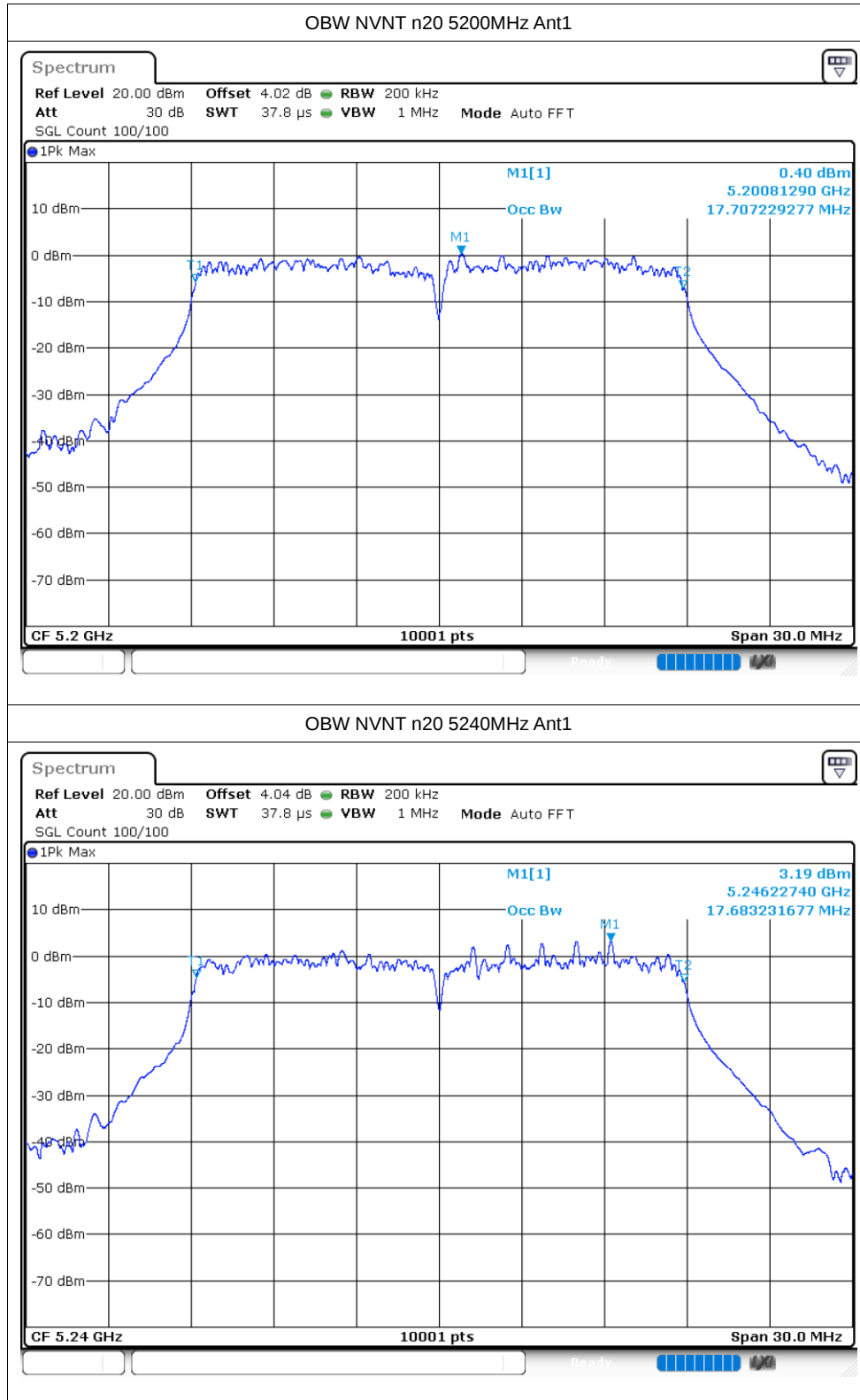
OBW NVNT a 5180MHz Ant1

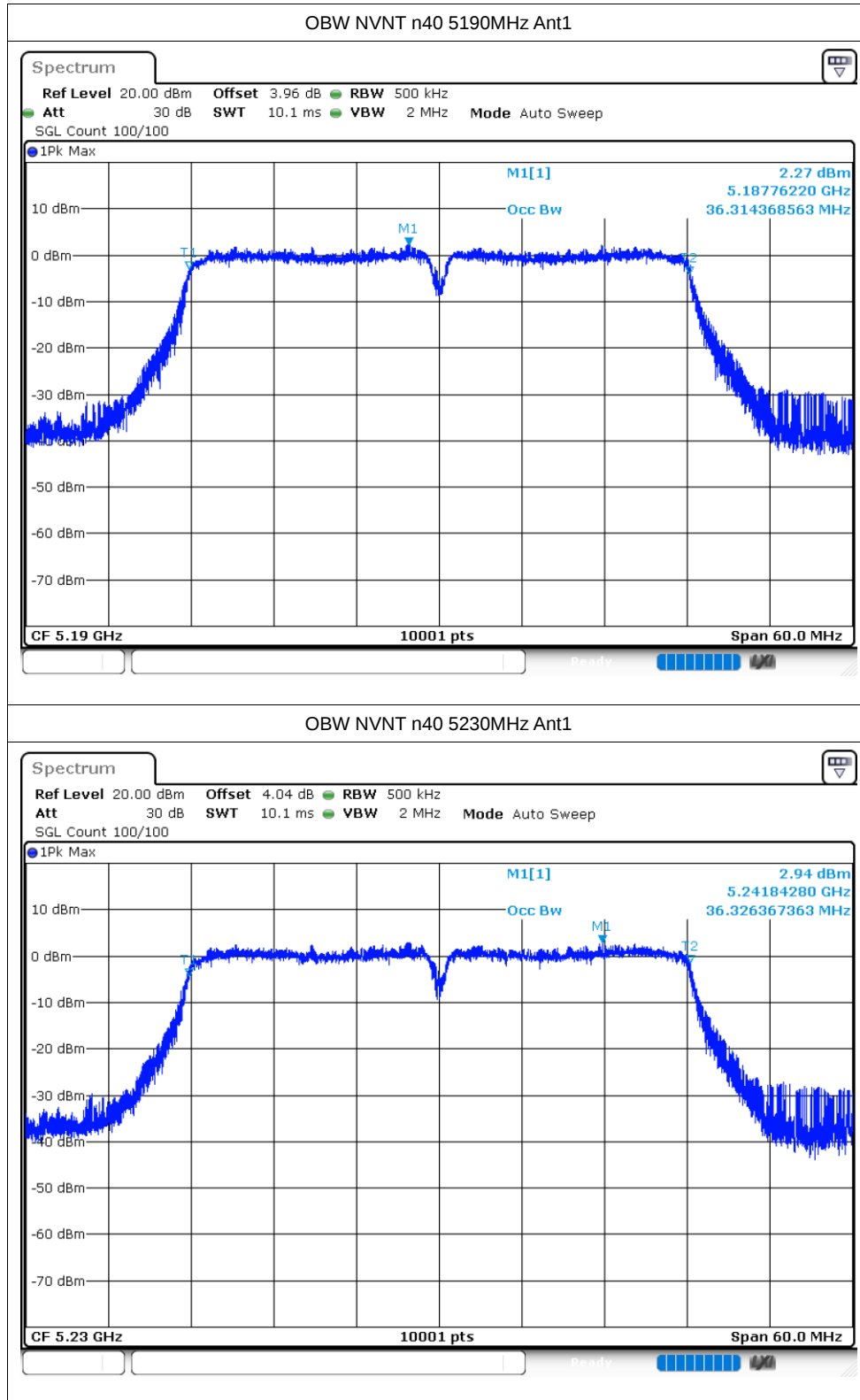


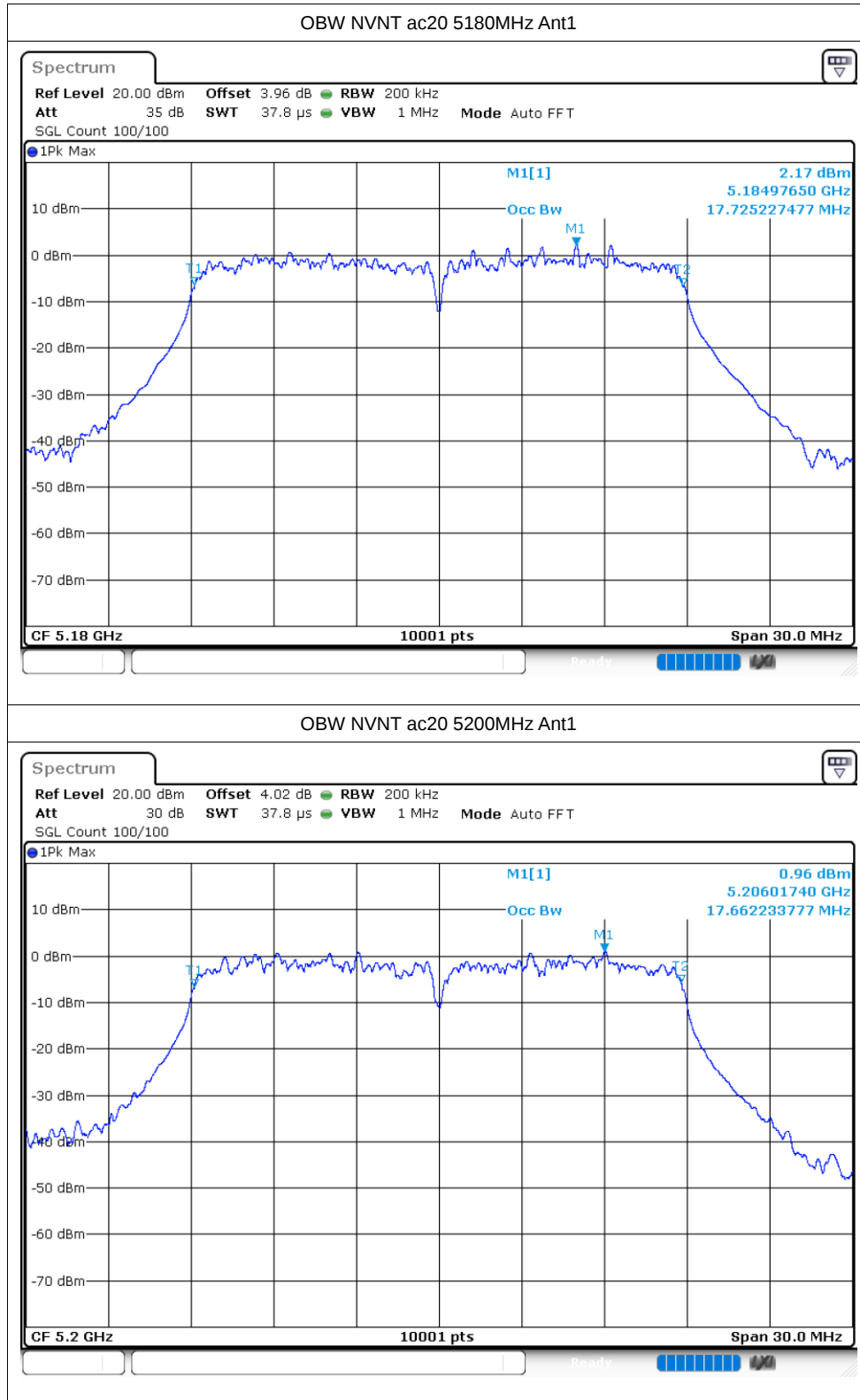
OBW NVNT a 5200MHz Ant1

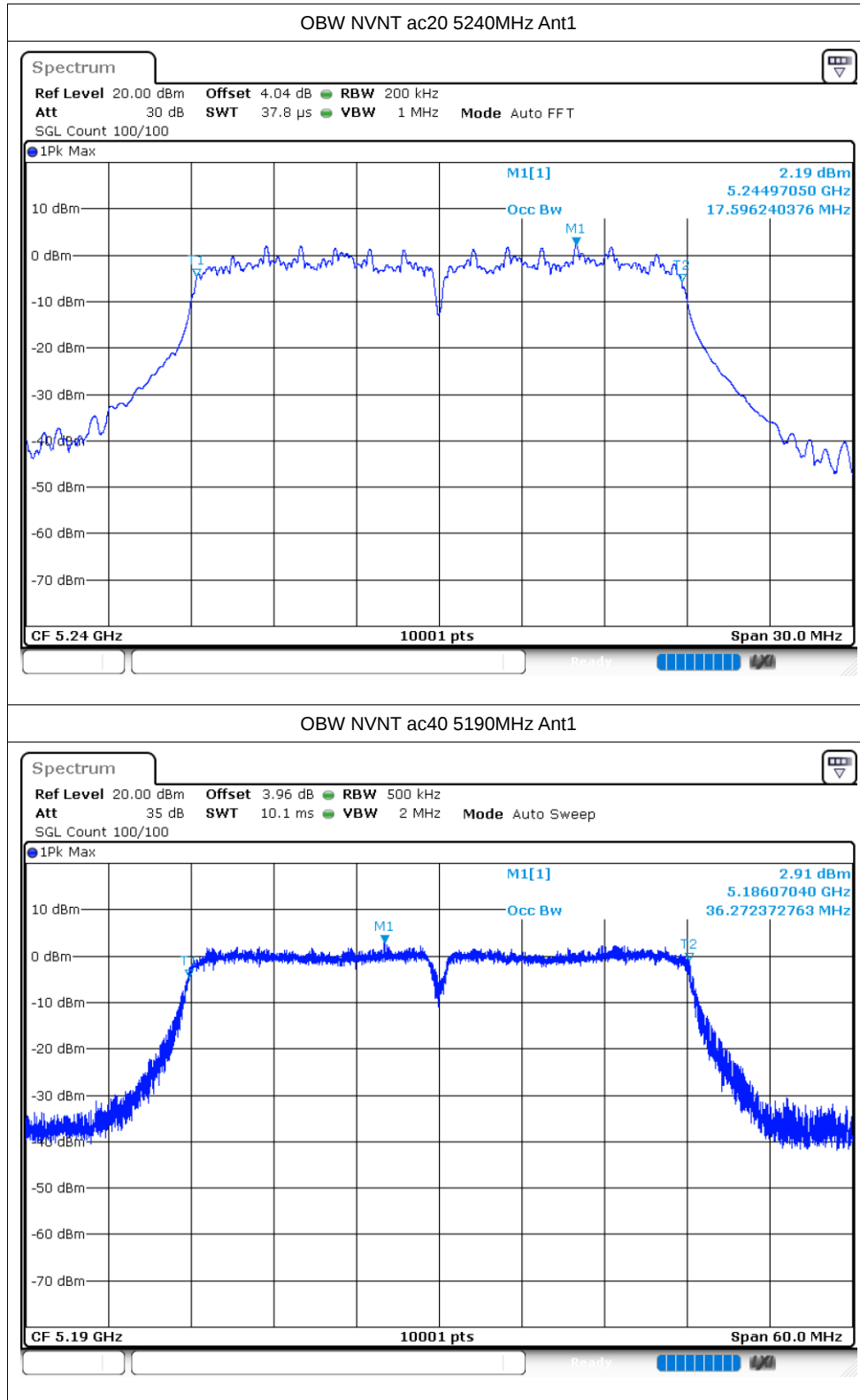


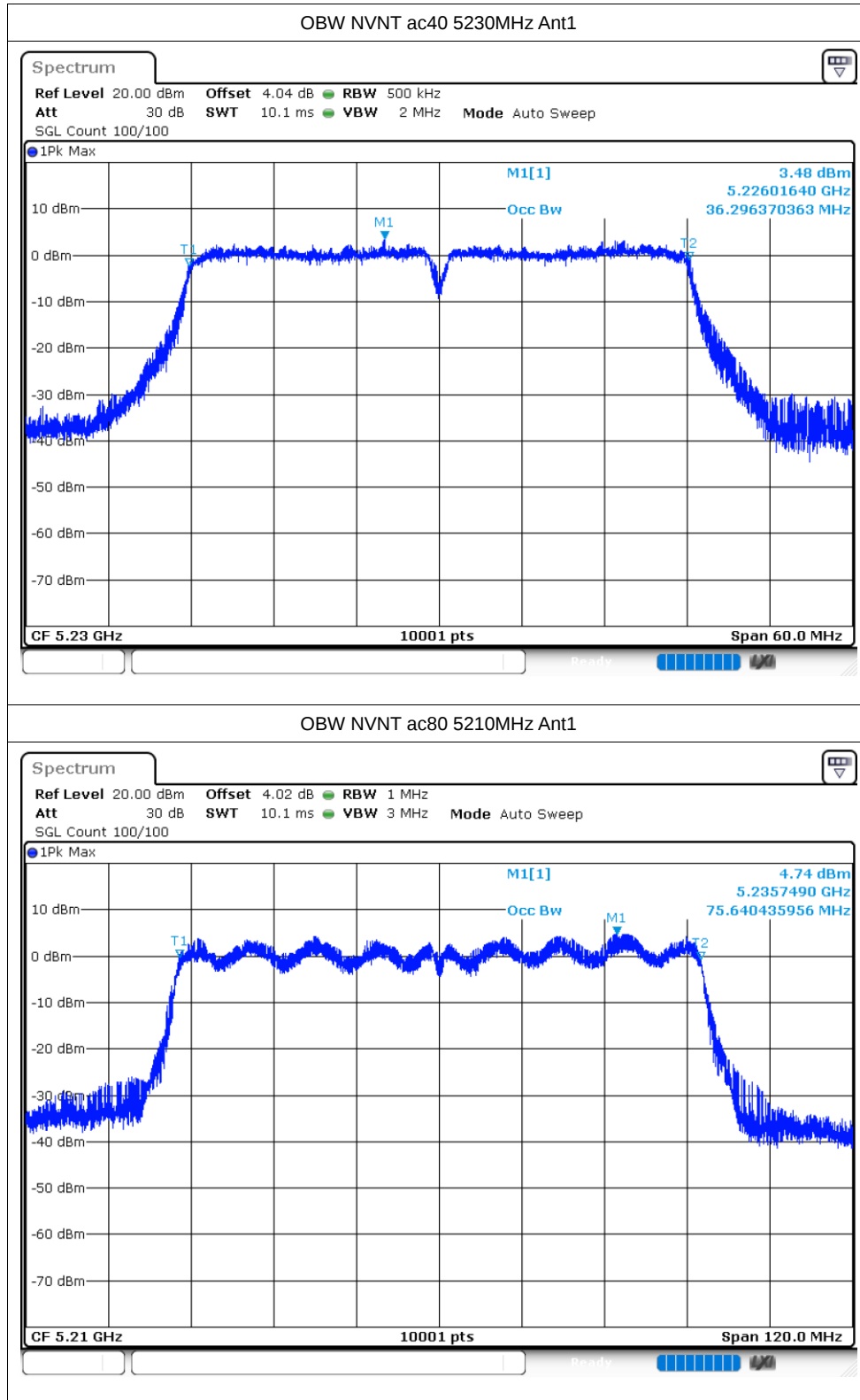










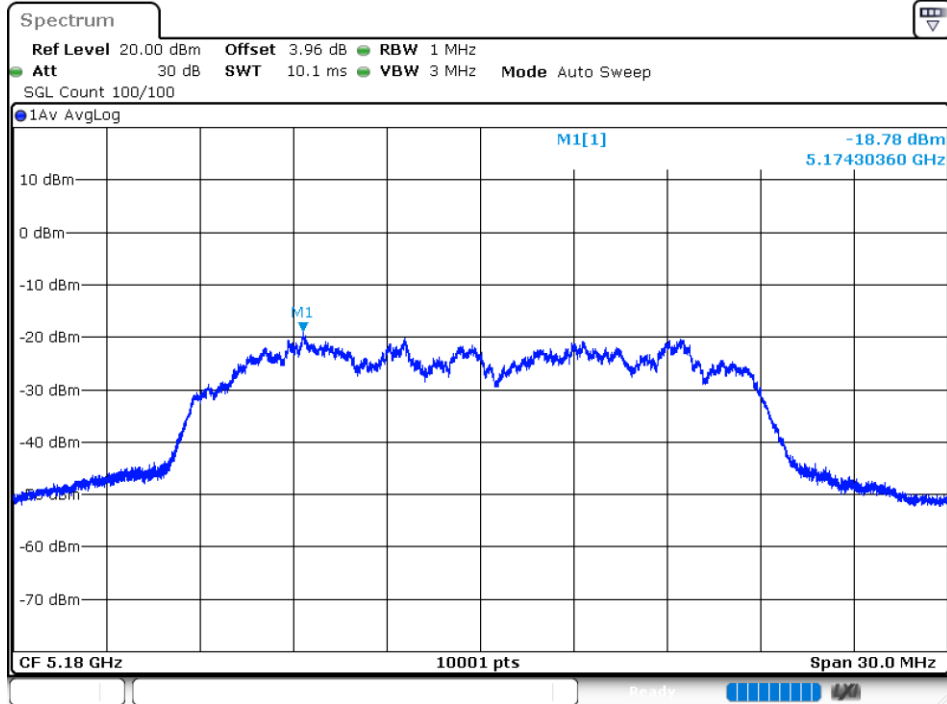


Maximum Power Spectral Density Level

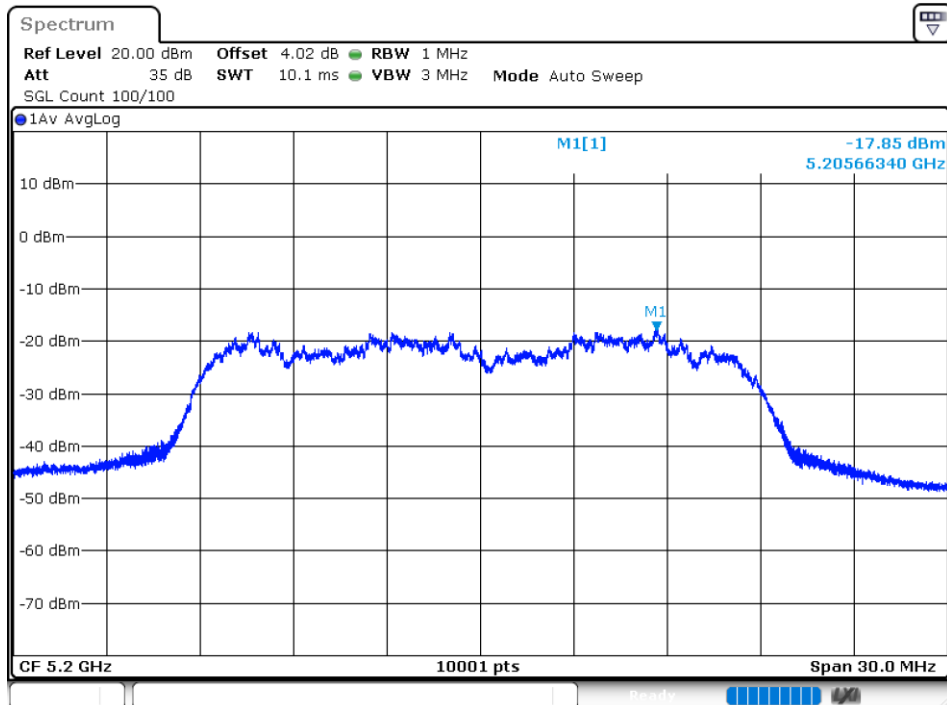
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-18.78	2.35	-16.43	11	Pass
NVNT	a	5200	Ant1	-17.85	2.35	-15.5	11	Pass
NVNT	a	5240	Ant1	-20.11	2.38	-17.73	11	Pass
NVNT	n20	5180	Ant1	-20.85	2.49	-18.36	11	Pass
NVNT	n20	5200	Ant1	-18.58	2.5	-16.08	11	Pass
NVNT	n20	5240	Ant1	-18.83	2.49	-16.34	11	Pass
NVNT	n40	5190	Ant1	-30.63	4.07	-26.56	11	Pass
NVNT	n40	5230	Ant1	-31.22	4.07	-27.15	11	Pass
NVNT	ac20	5180	Ant1	-20.6	2.47	-18.13	11	Pass
NVNT	ac20	5200	Ant1	-21.57	2.5	-19.07	11	Pass
NVNT	ac20	5240	Ant1	-22.02	2.47	-19.55	11	Pass
NVNT	ac40	5190	Ant1	-31	4.05	-26.95	11	Pass
NVNT	ac40	5230	Ant1	-32.02	4.05	-27.97	11	Pass
NVNT	ac80	5210	Ant1	-37.79	6.09	-31.7	11	Pass

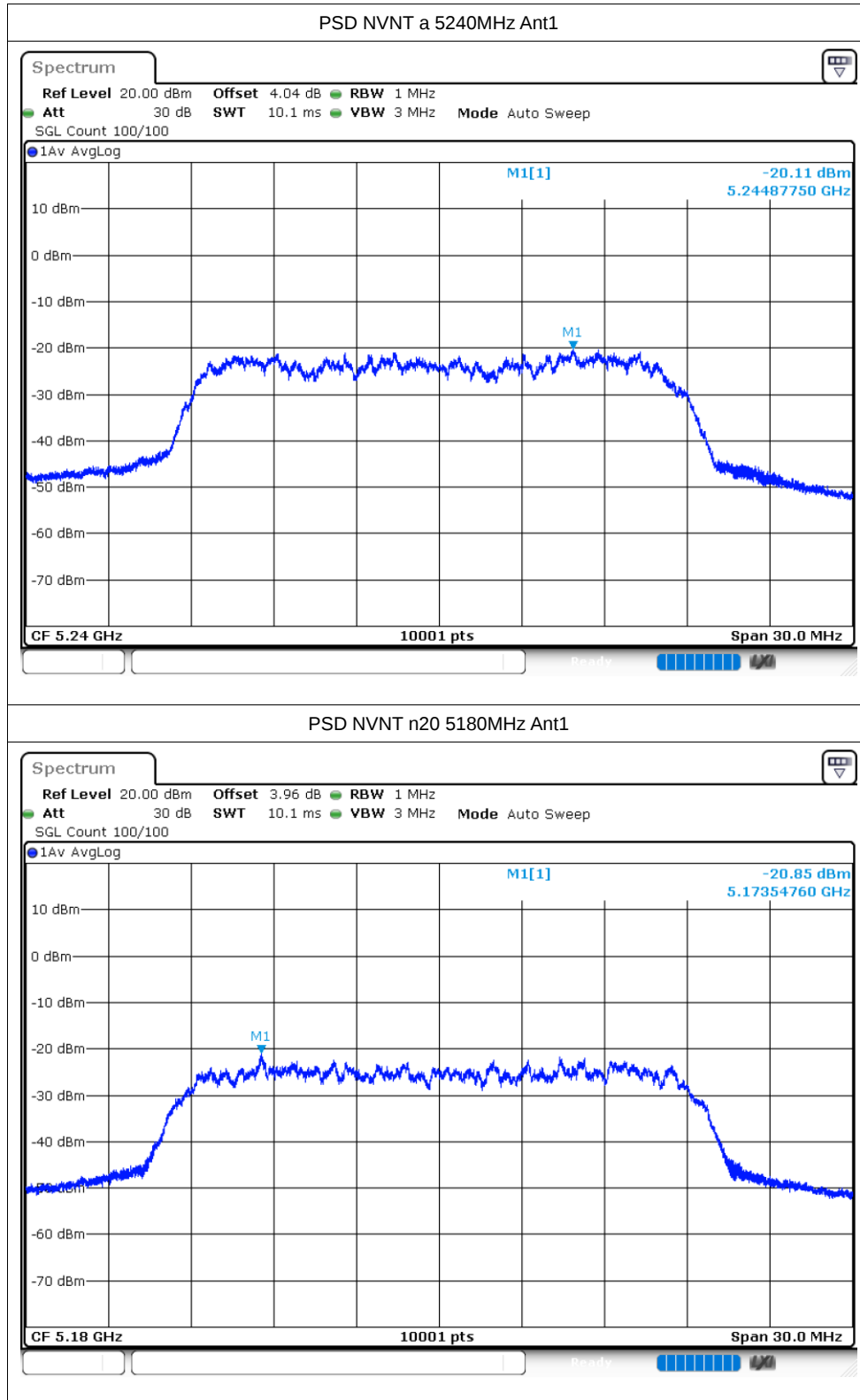
Test Graphs

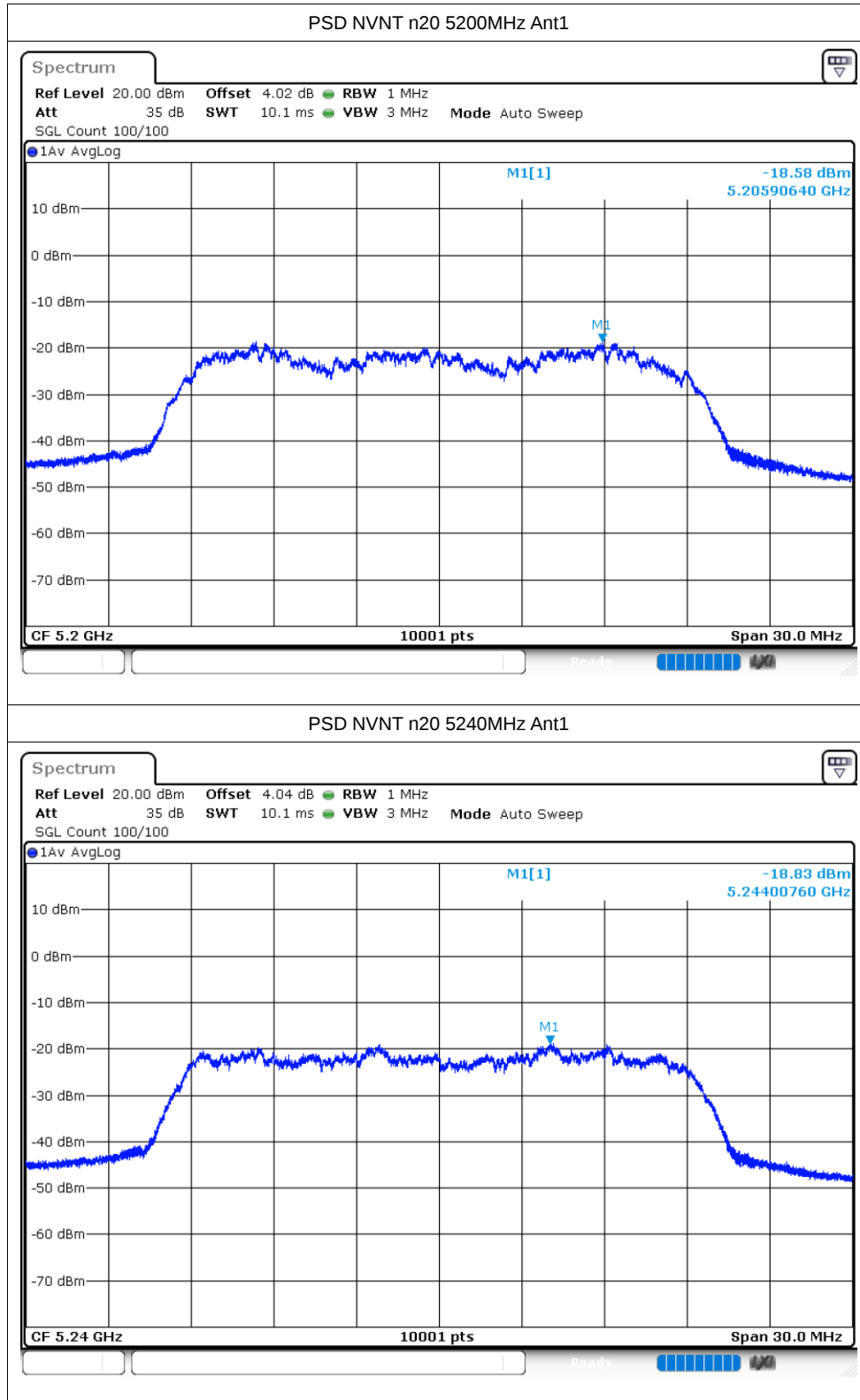
PSD NVNT a 5180MHz Ant1

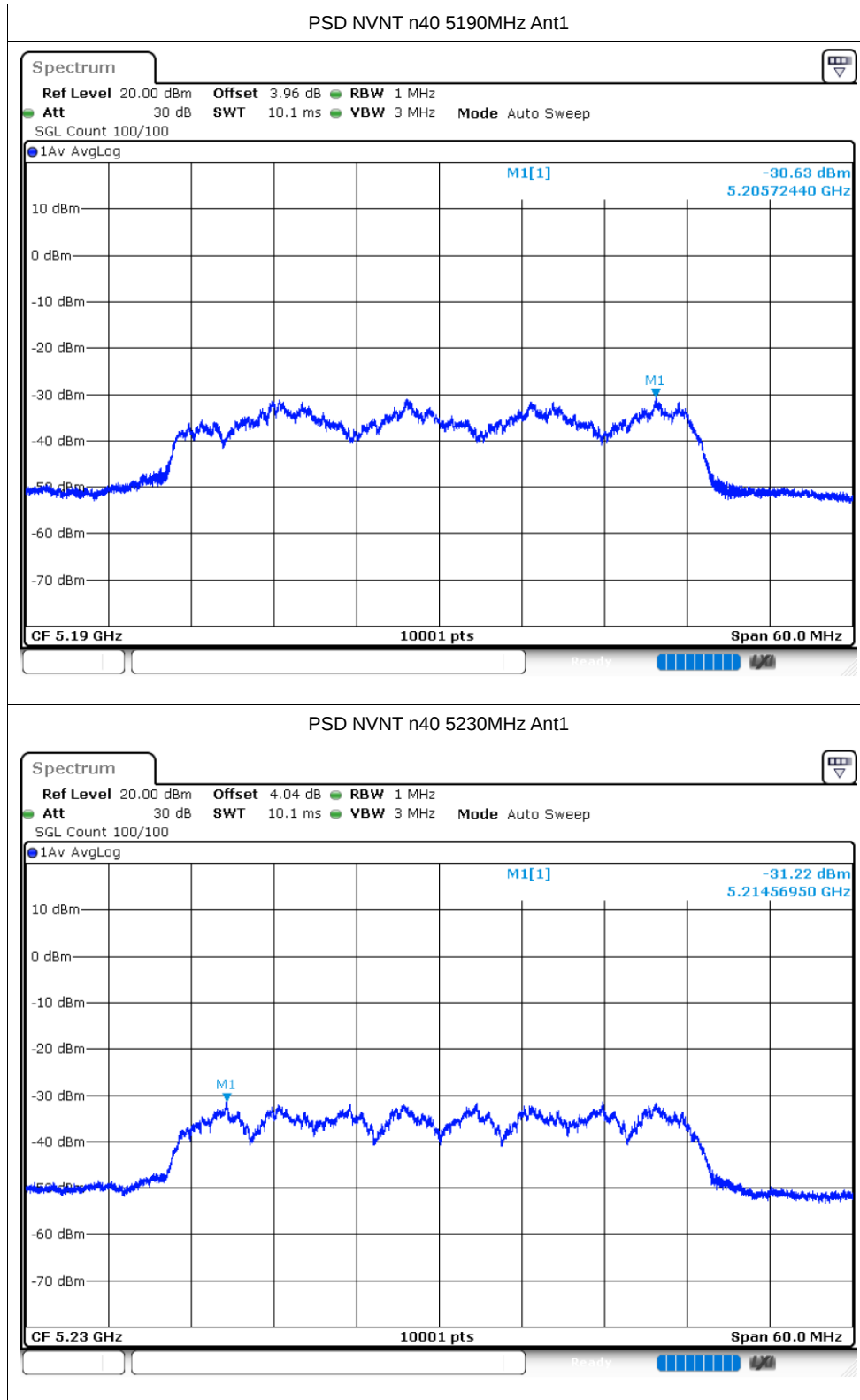


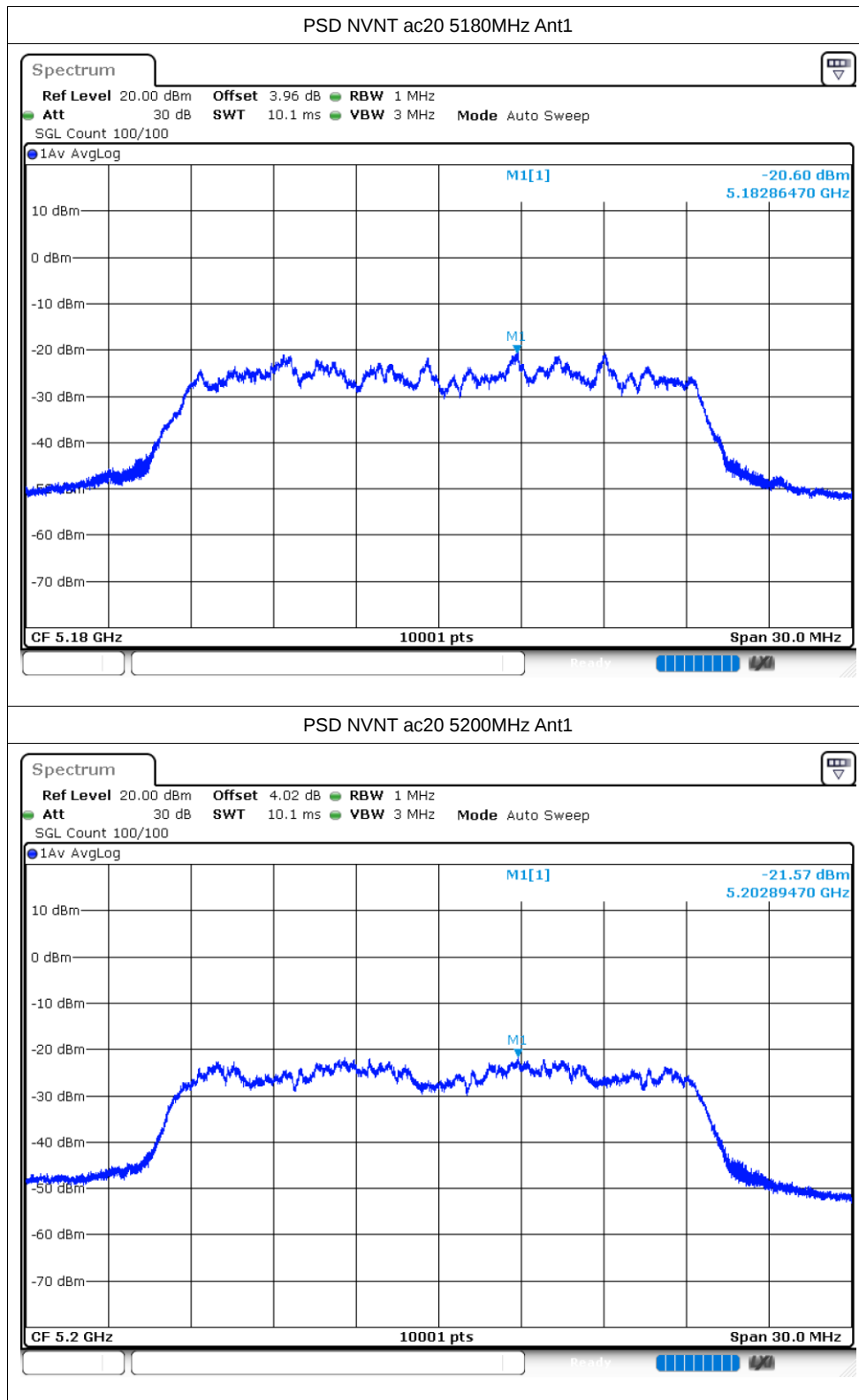
PSD NVNT a 5200MHz Ant1

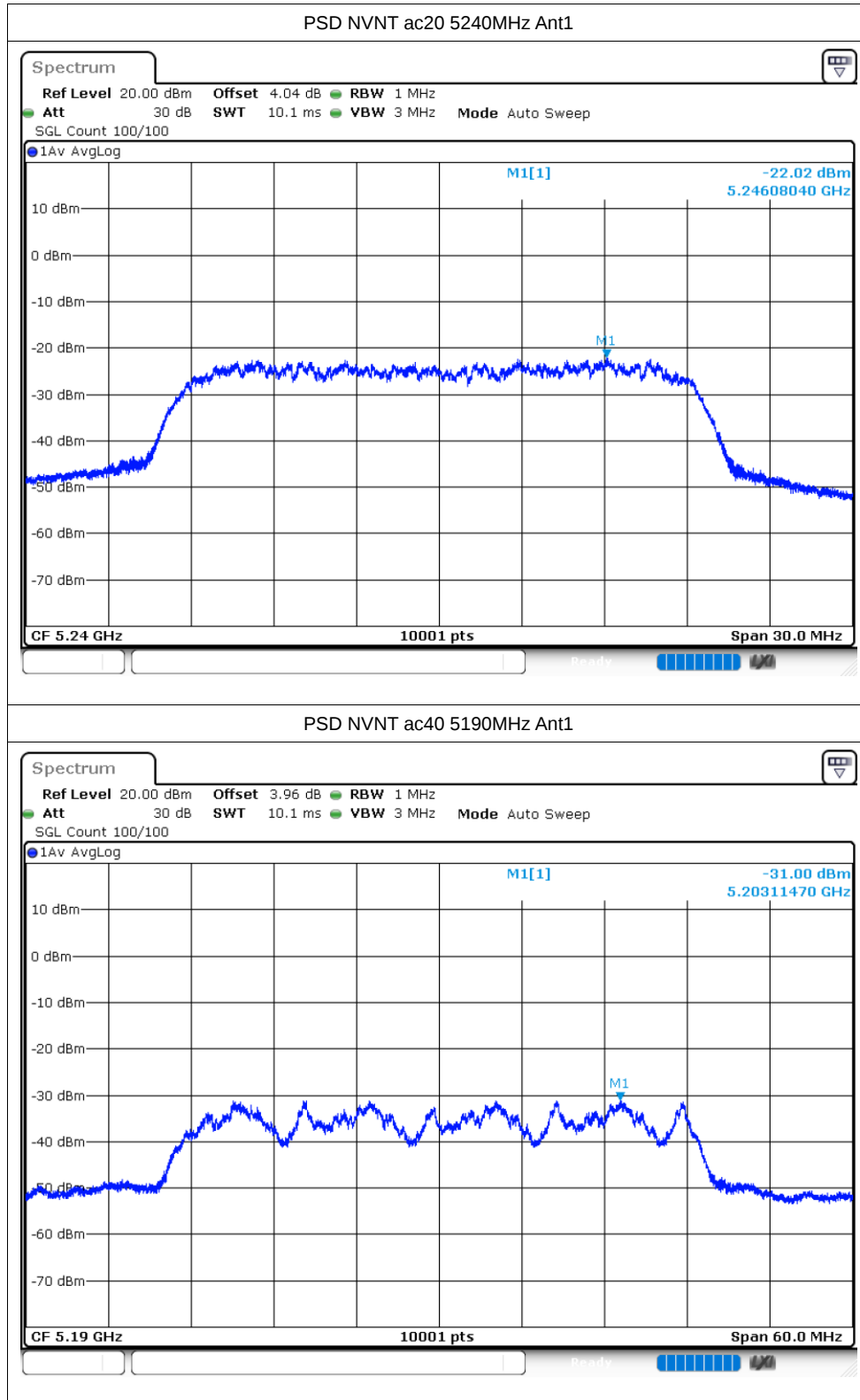


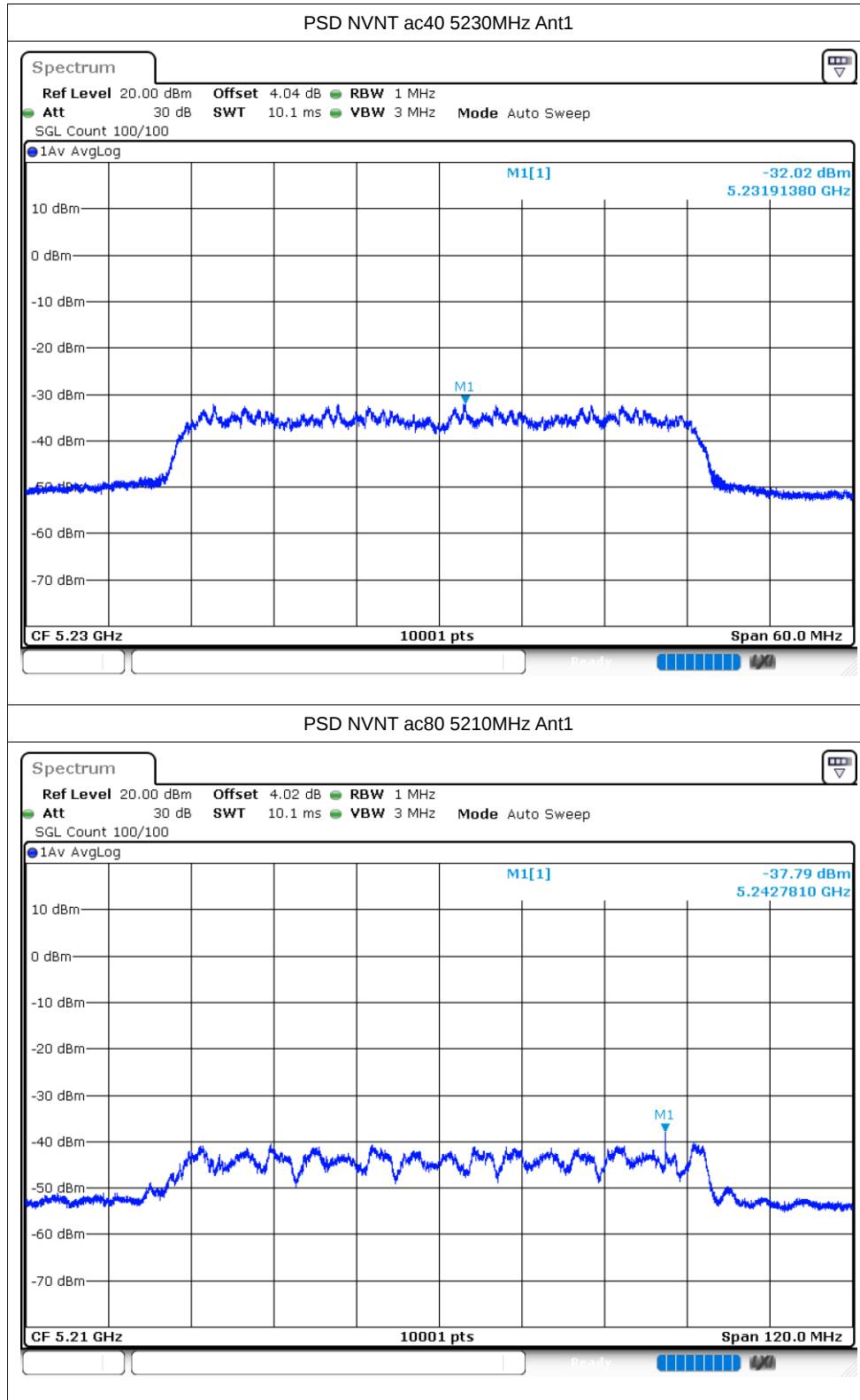










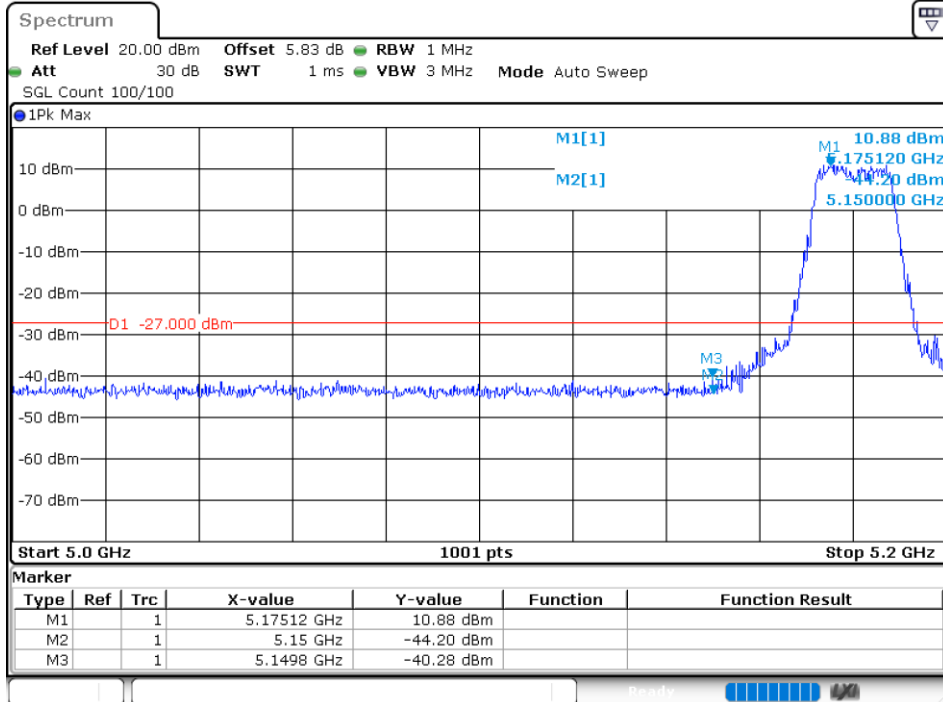


Band Edge

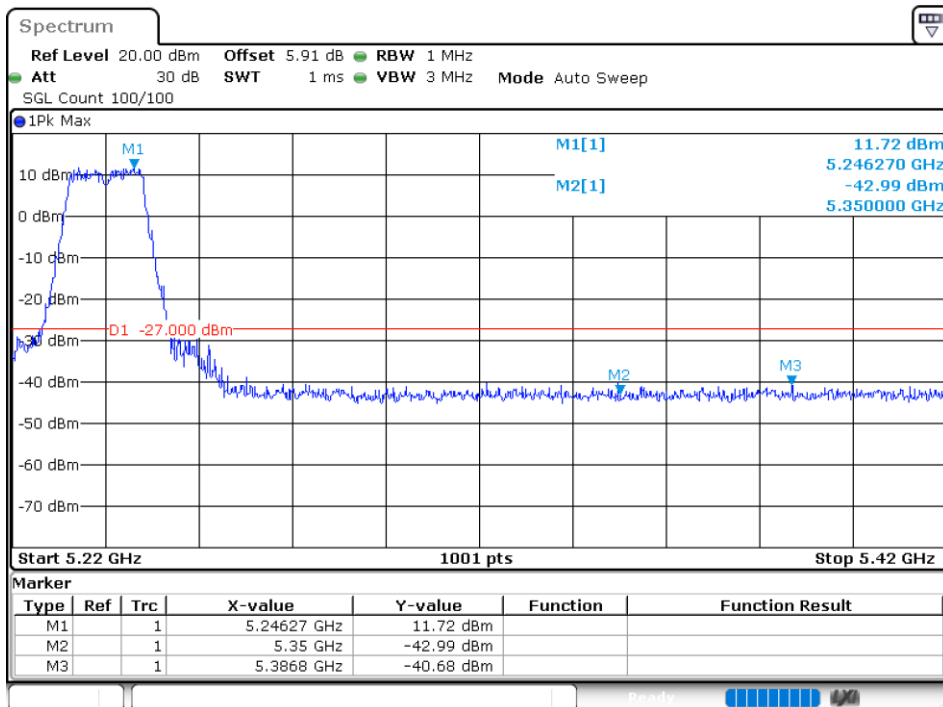
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-40.28	-27	Pass
NVNT	a	5240	Ant1	-40.68	-27	Pass
NVNT	n20	5180	Ant1	-37.35	-27	Pass
NVNT	n20	5240	Ant1	-40.61	-27	Pass
NVNT	n40	5190	Ant1	-31.46	-27	Pass
NVNT	n40	5230	Ant1	-40.45	-27	Pass
NVNT	ac20	5180	Ant1	-40.19	-27	Pass
NVNT	ac20	5240	Ant1	-39.85	-27	Pass
NVNT	ac40	5190	Ant1	-34.67	-27	Pass
NVNT	ac40	5230	Ant1	-41.09	-27	Pass
NVNT	ac80	5210	Ant1	-41.05	-27	Pass
NVNT	ac80	5210	Ant1	-31.2	-27	Pass

Test Graphs

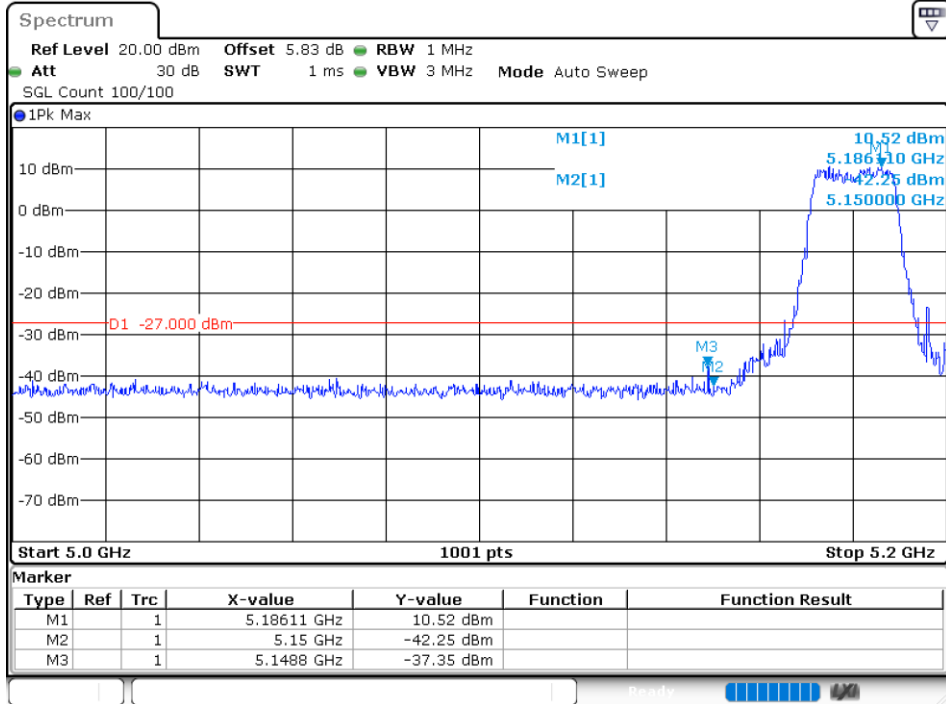
Band Edge NVNT a 5180MHz Low Ant1



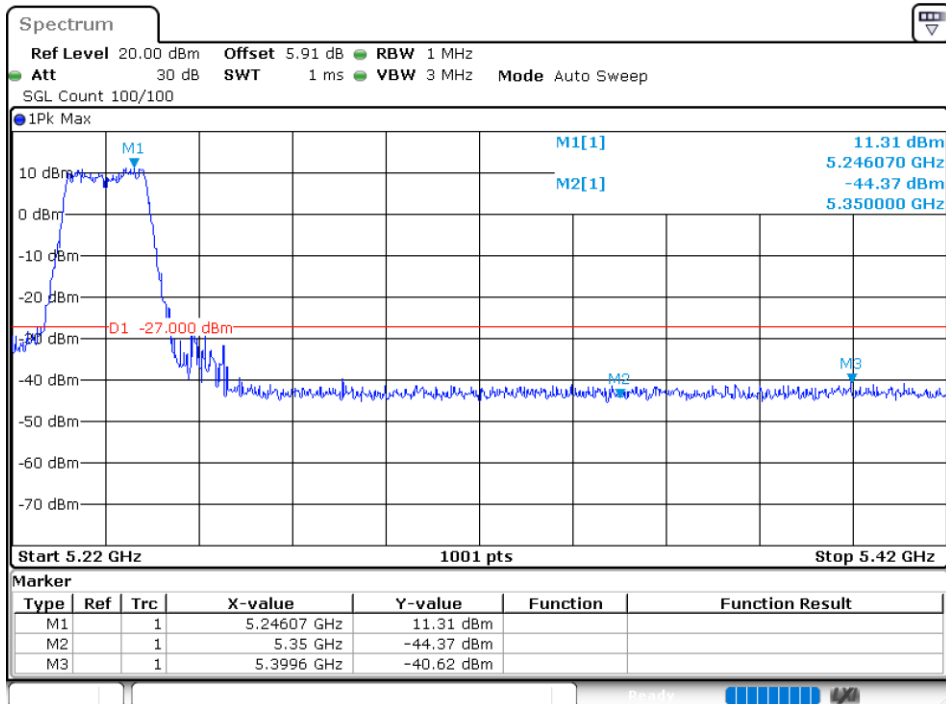
Band Edge NVNT a 5240MHz High Ant1



Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

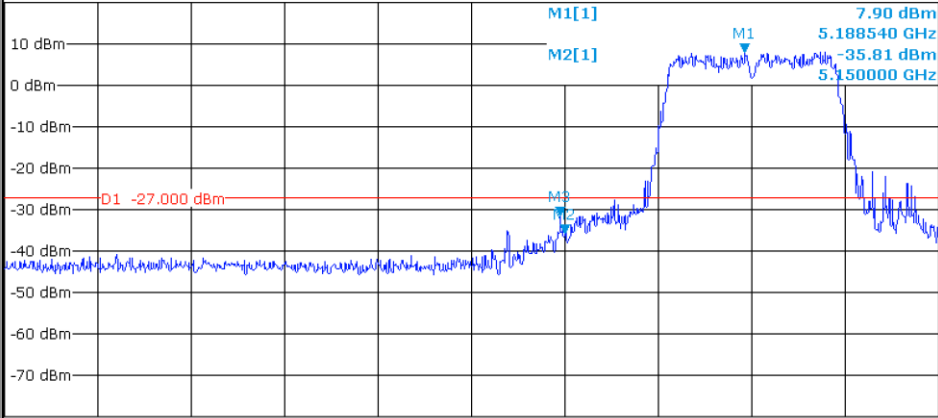


Band Edge NVNT n40 5190MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.83 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

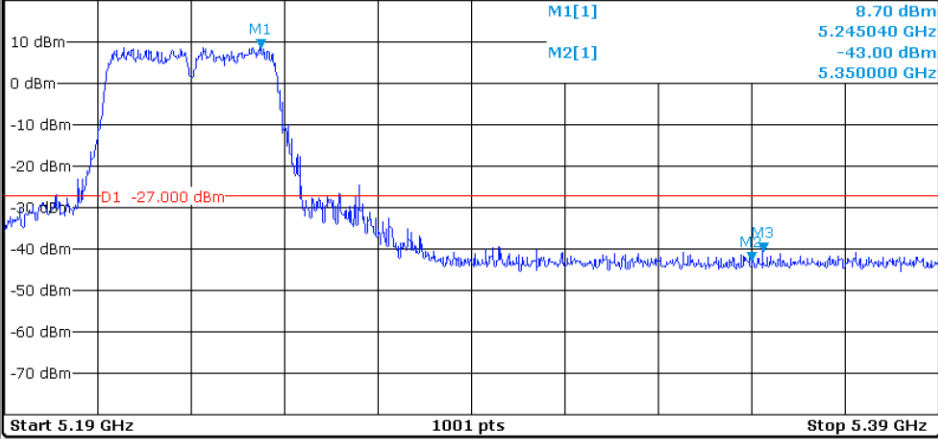
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.18854 GHz	7.90 dBm		
M2	1	1	5.15 GHz	-35.81 dBm		
M3	1	1	5.149 GHz	-31.46 dBm		

Band Edge NVNT n40 5230MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.91 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

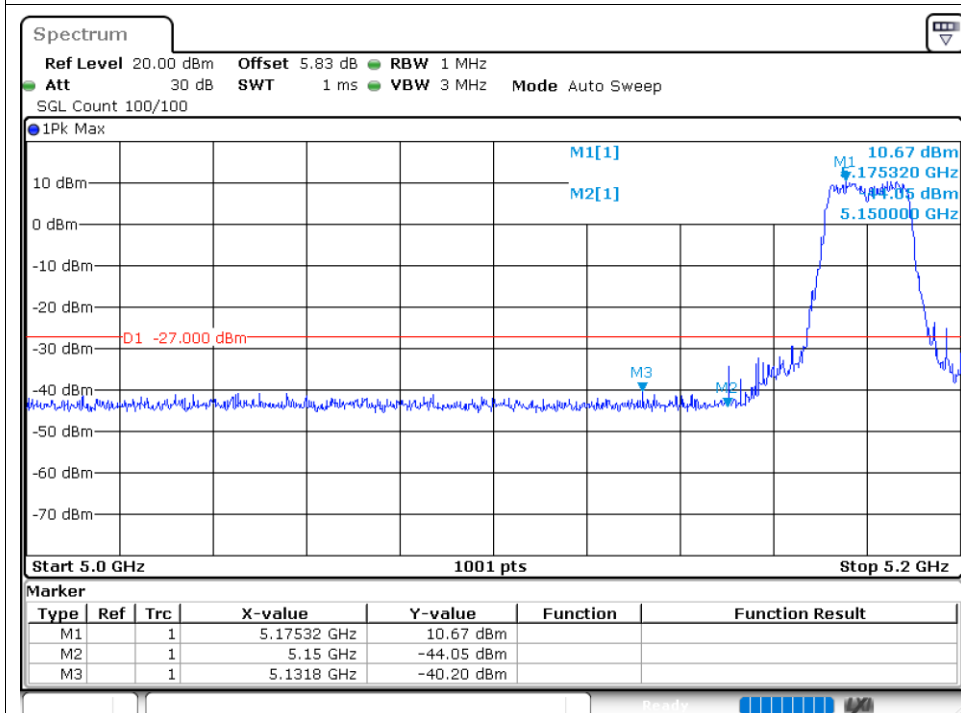
1Pk Max



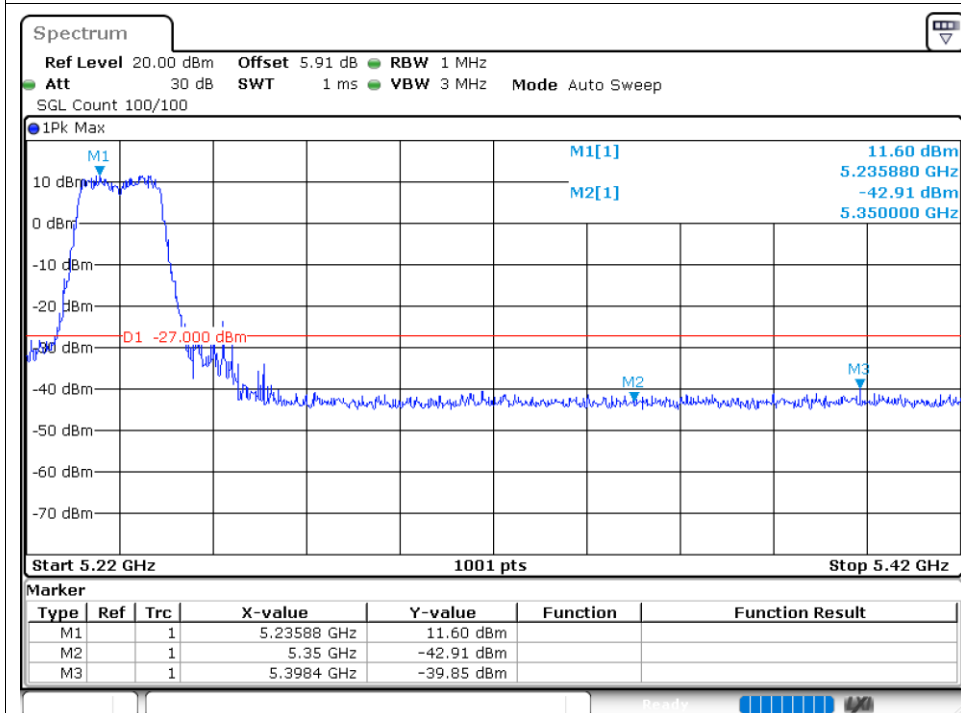
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.24504 GHz	8.70 dBm		
M2	1	1	5.35 GHz	-43.00 dBm		
M3	1	1	5.3524 GHz	-40.46 dBm		

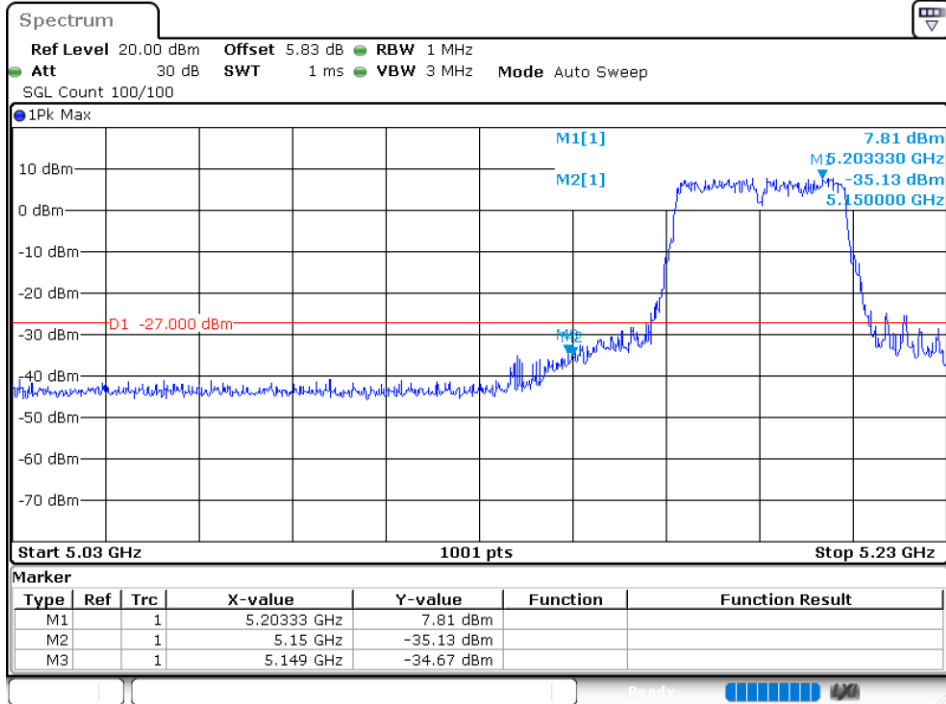
Band Edge NVNT ac20 5180MHz Low Ant1



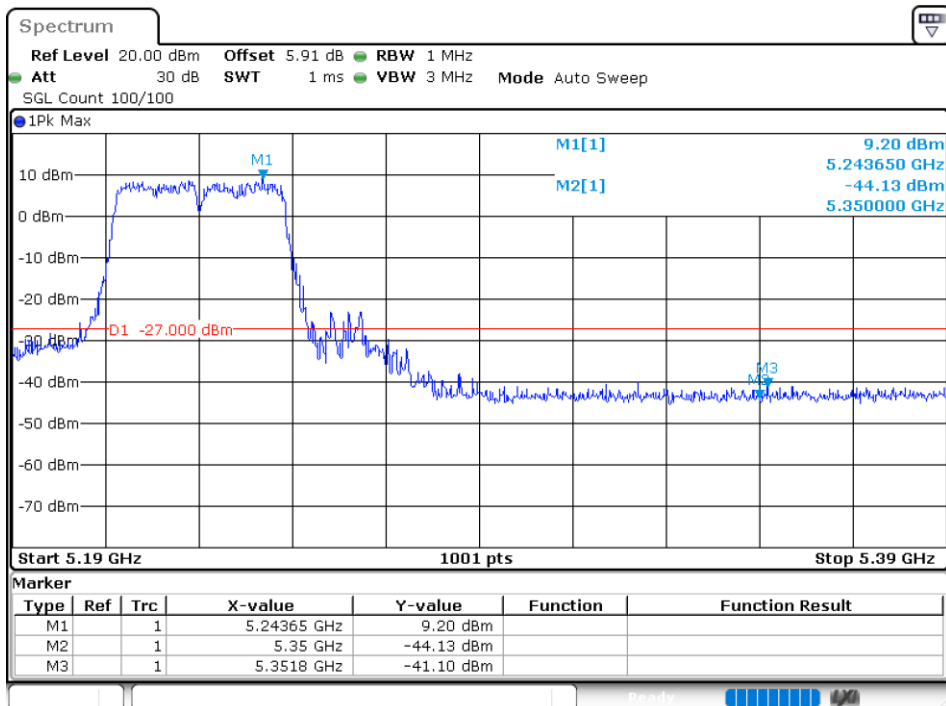
Band Edge NVNT ac20 5240MHz High Ant1



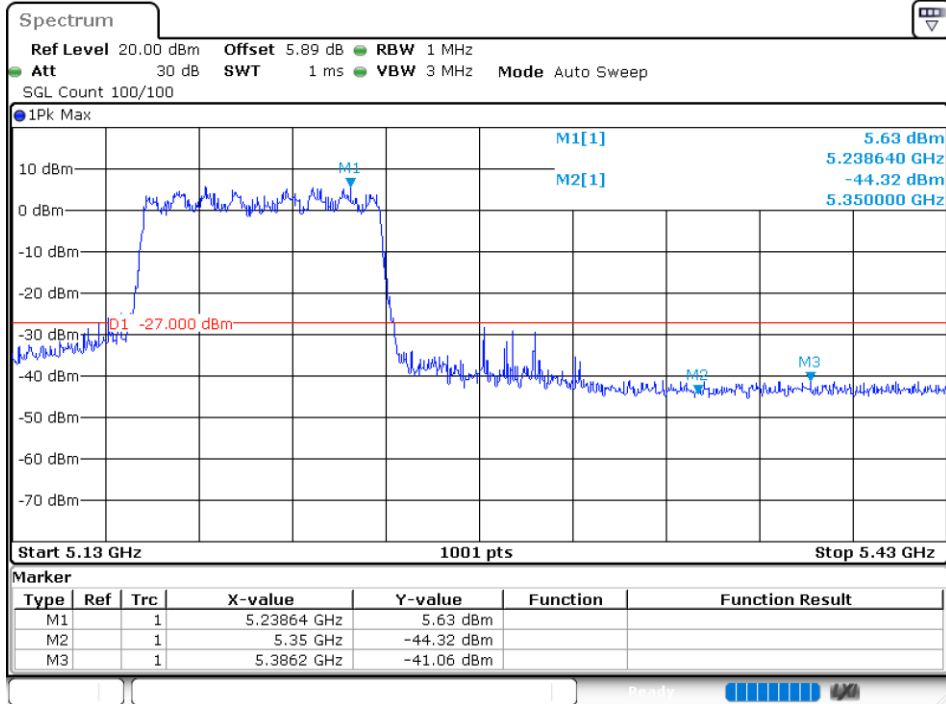
Band Edge NVNT ac40 5190MHz Low Ant1



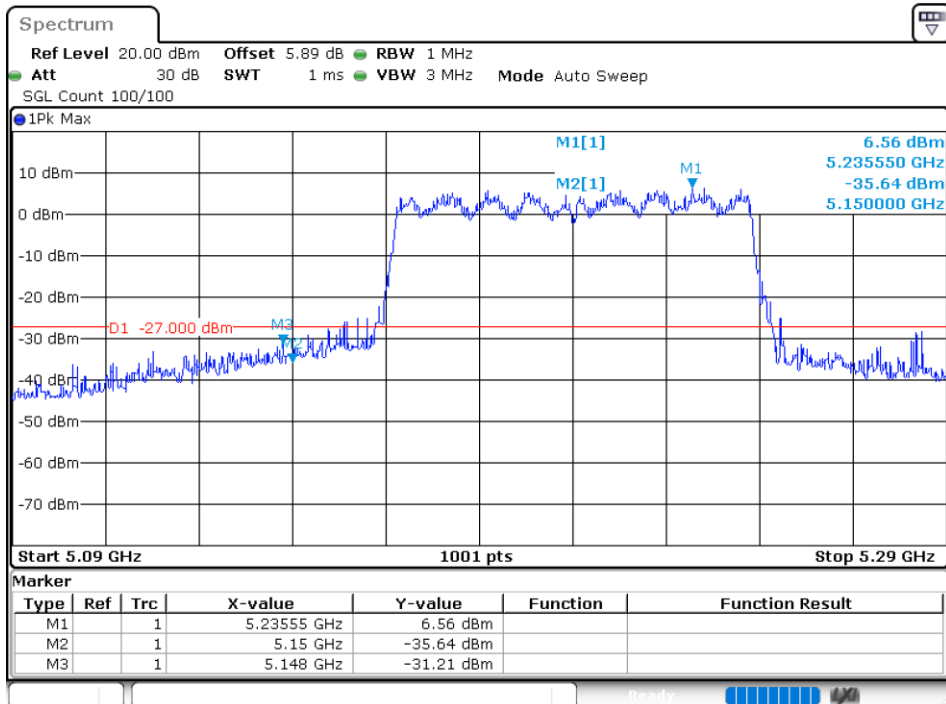
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant1

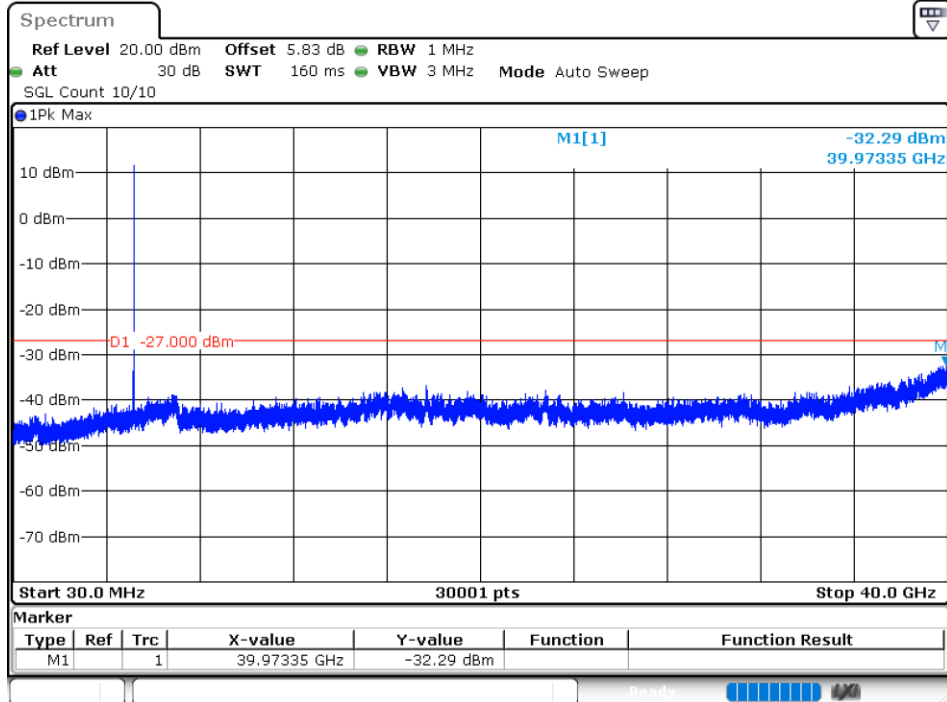


Conducted RF Spurious Emission

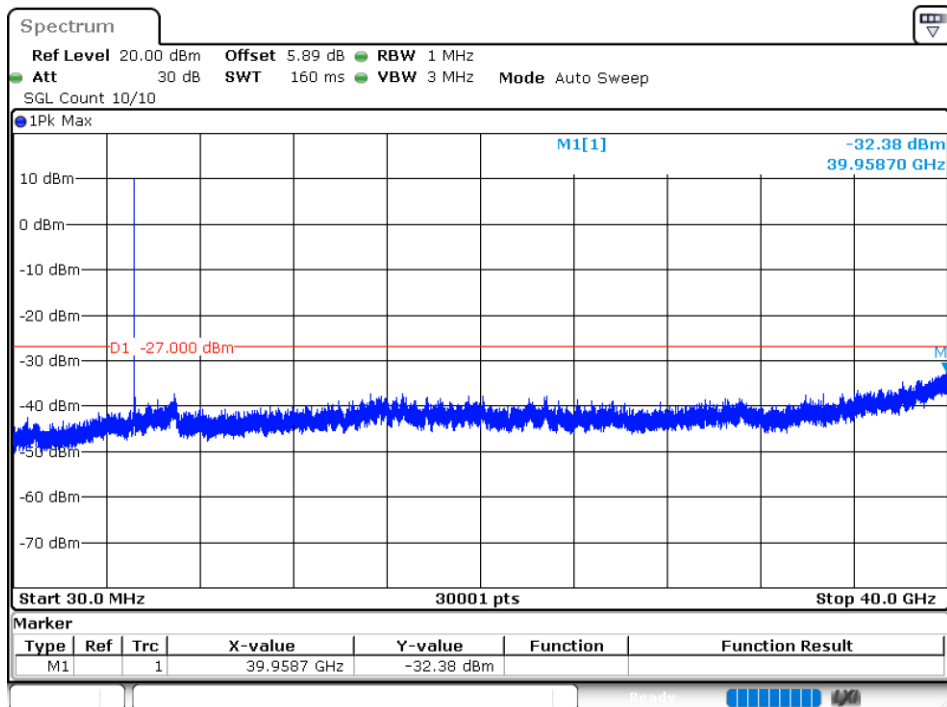
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.29	-27	Pass
NVNT	a	5200	Ant1	-32.37	-27	Pass
NVNT	a	5240	Ant1	-31.5	-27	Pass
NVNT	n20	5180	Ant1	-32.72	-27	Pass
NVNT	n20	5200	Ant1	-32.11	-27	Pass
NVNT	n20	5240	Ant1	-32.8	-27	Pass
NVNT	n40	5190	Ant1	-31.65	-27	Pass
NVNT	n40	5230	Ant1	-31.47	-27	Pass
NVNT	ac20	5180	Ant1	-32.35	-27	Pass
NVNT	ac20	5200	Ant1	-31.87	-27	Pass
NVNT	ac20	5240	Ant1	-32.54	-27	Pass
NVNT	ac40	5190	Ant1	-32.66	-27	Pass
NVNT	ac40	5230	Ant1	-31.38	-27	Pass
NVNT	ac80	5210	Ant1	-31.29	-27	Pass

Test Graphs

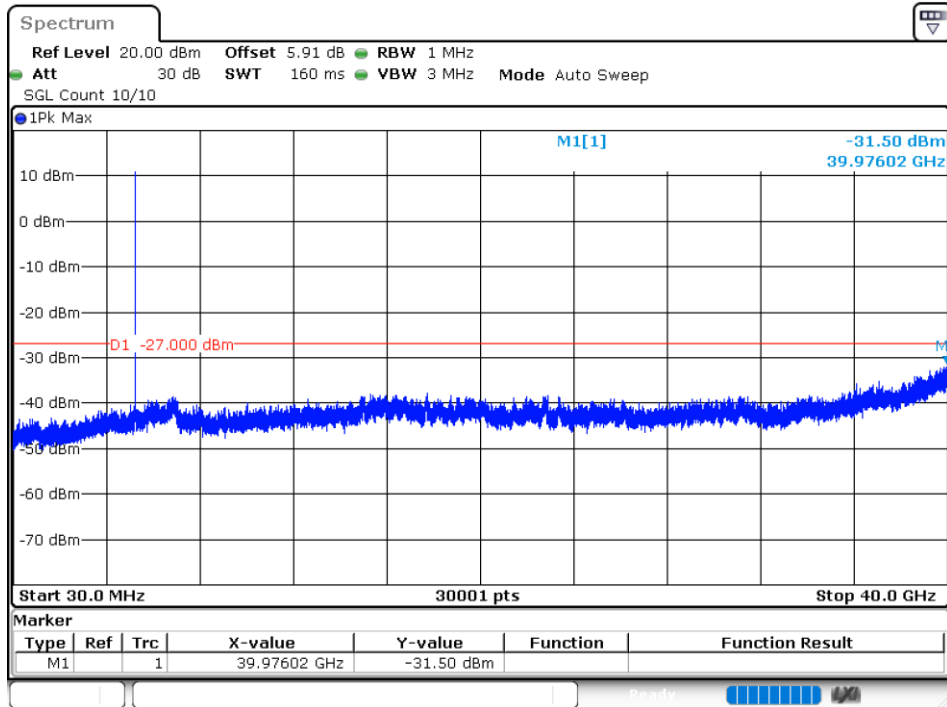
Tx. Spurious NVNT a 5180MHz Ant1 Emission



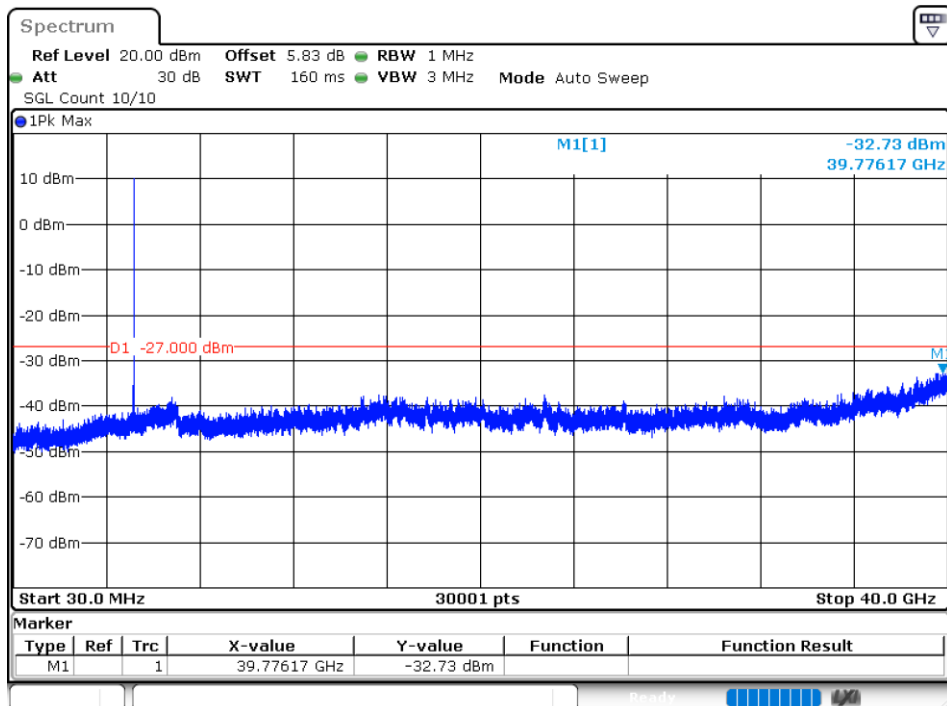
Tx. Spurious NVNT a 5200MHz Ant1 Emission



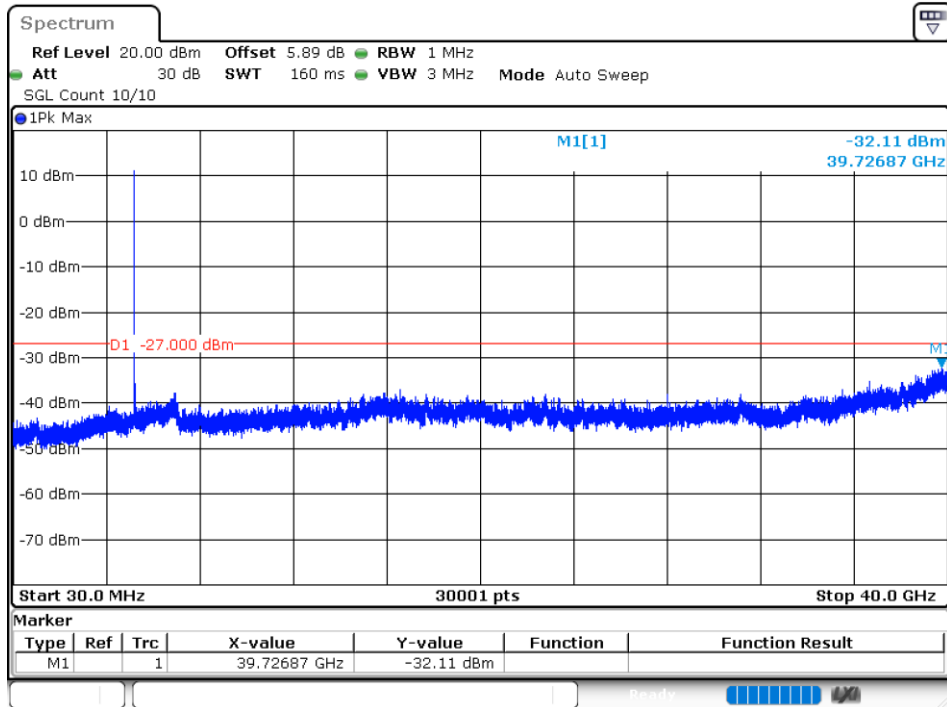
Tx. Spurious NVNT a 5240MHz Ant1 Emission



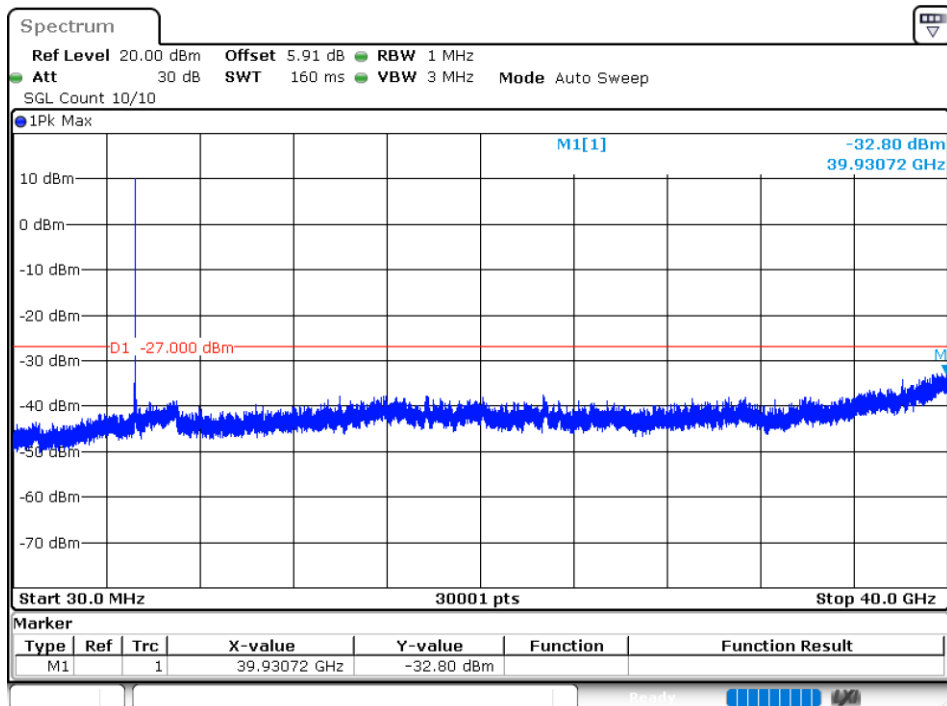
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



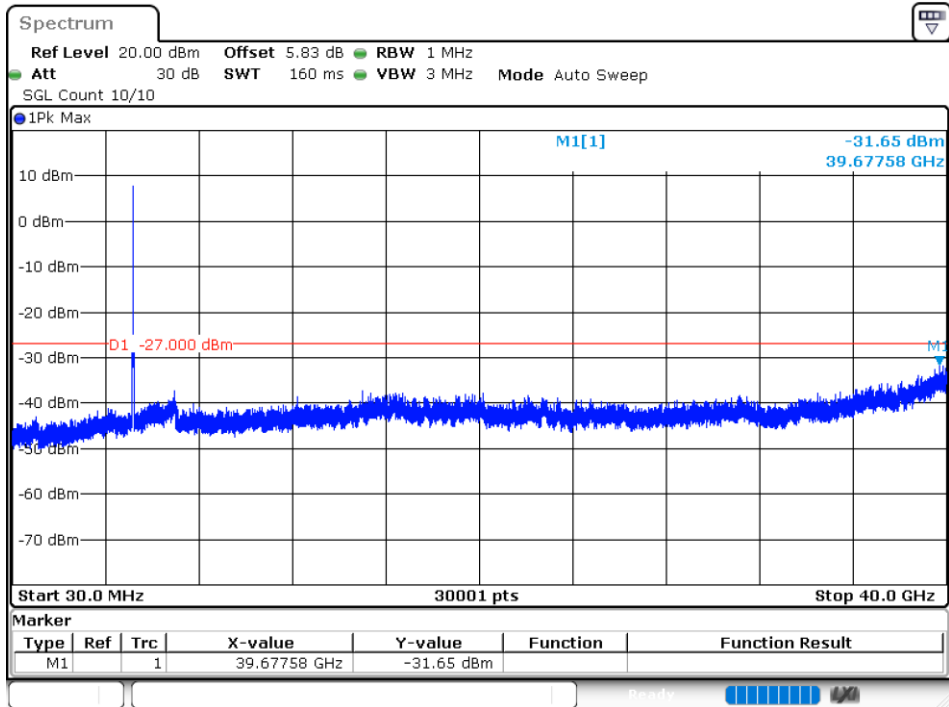
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



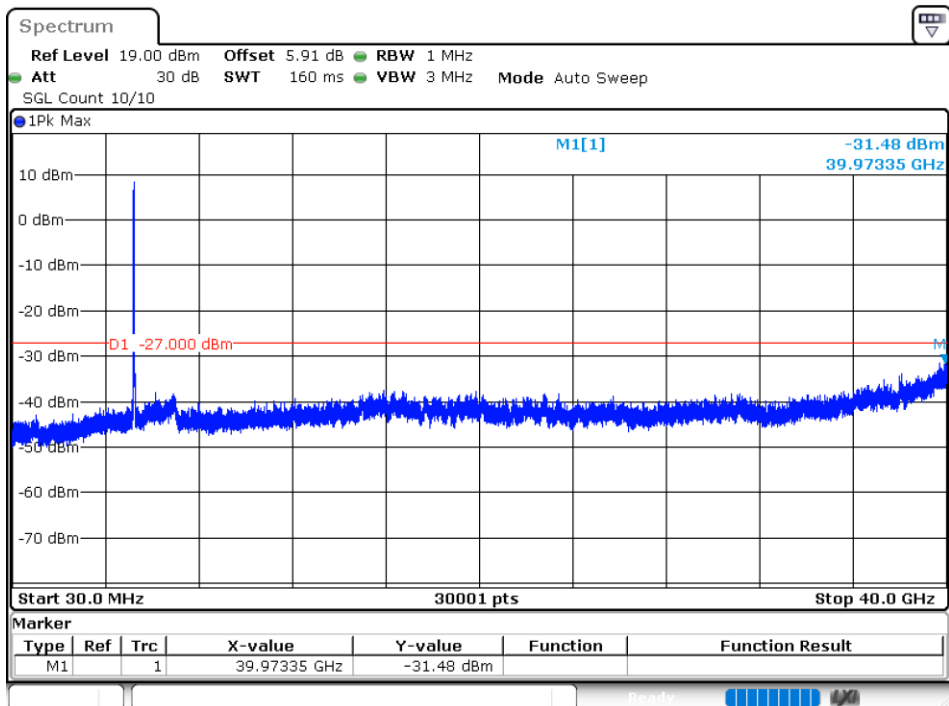
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



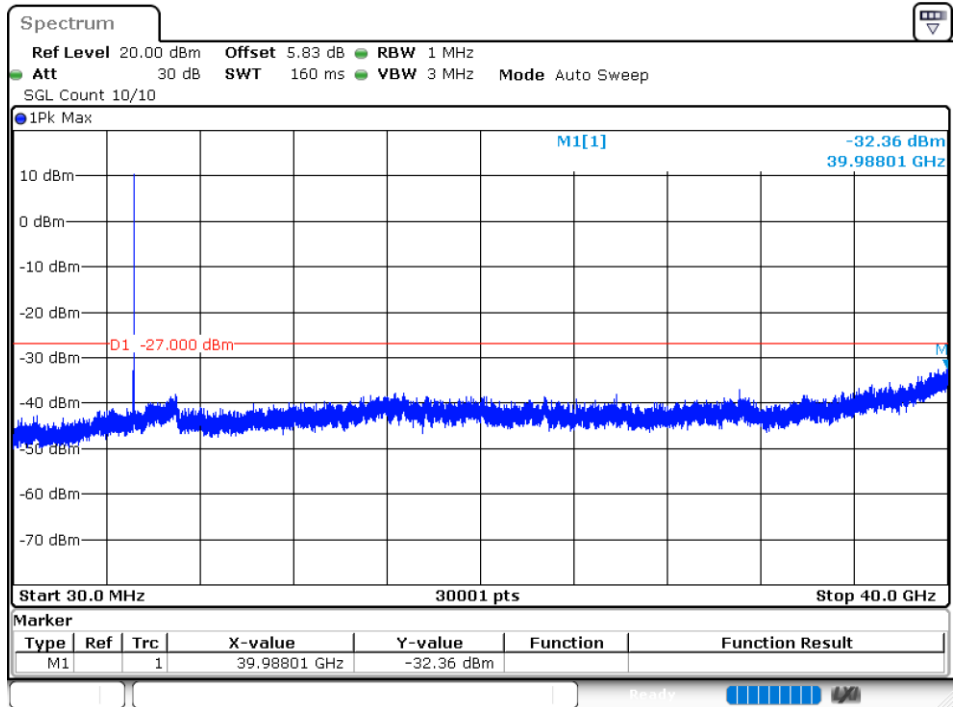
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



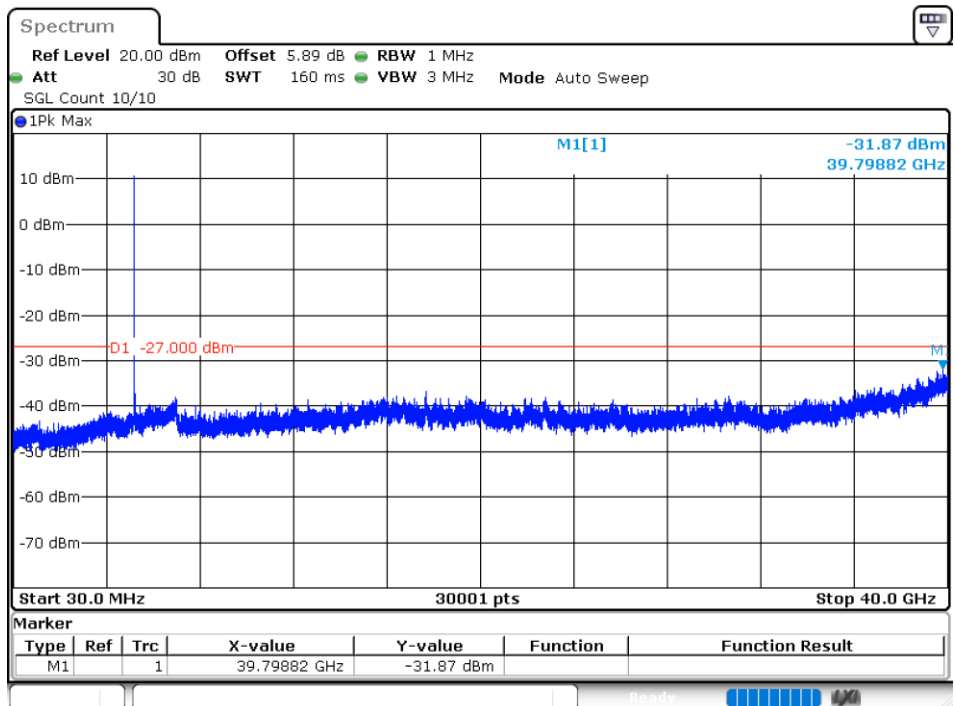
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



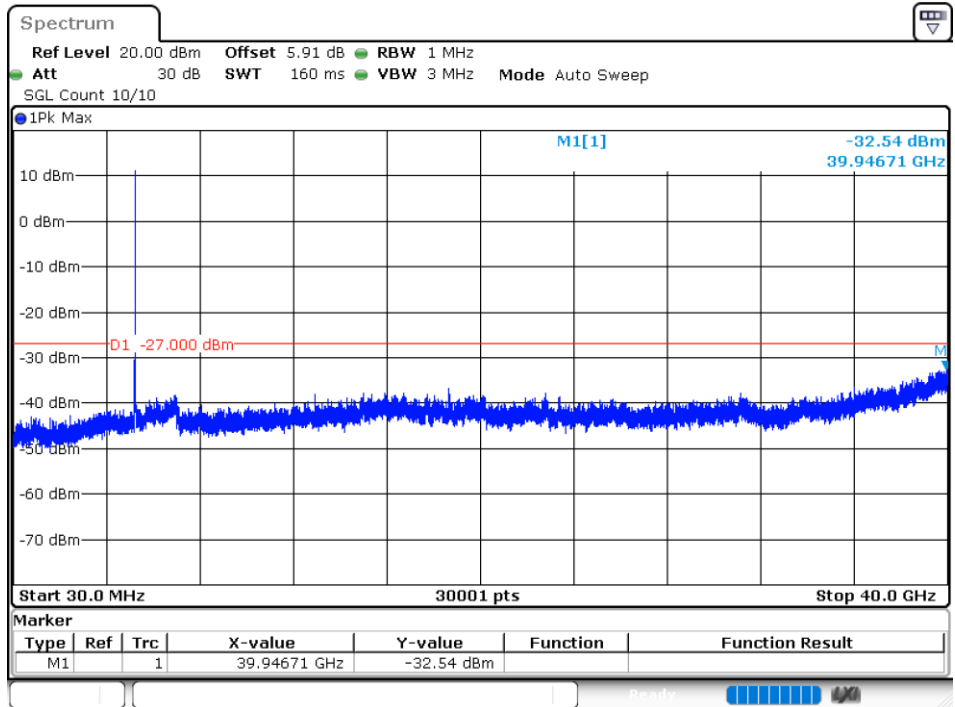
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



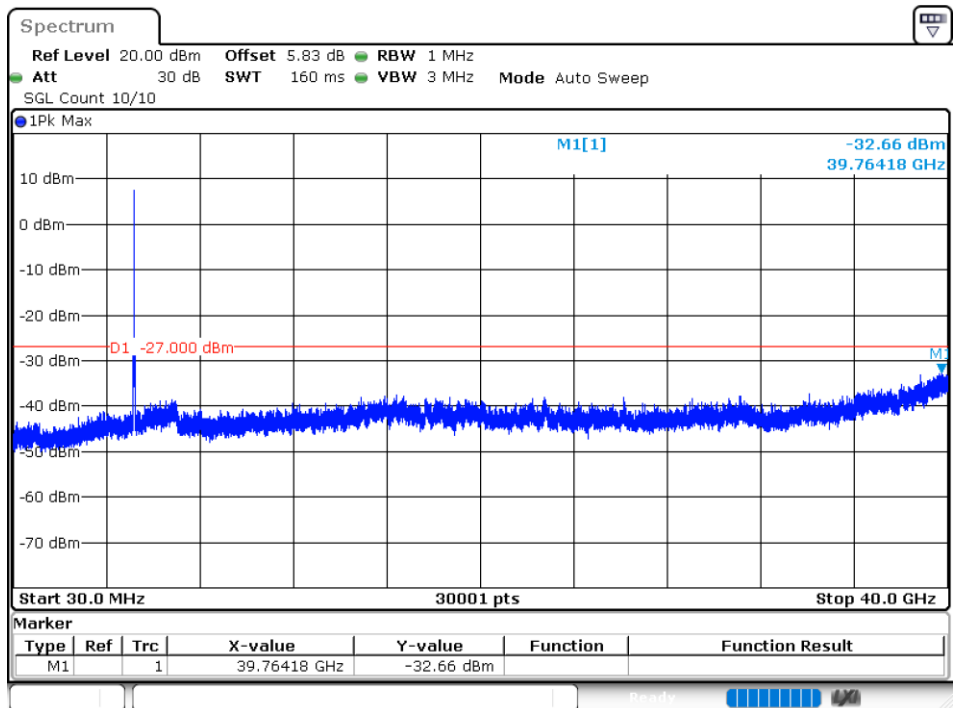
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



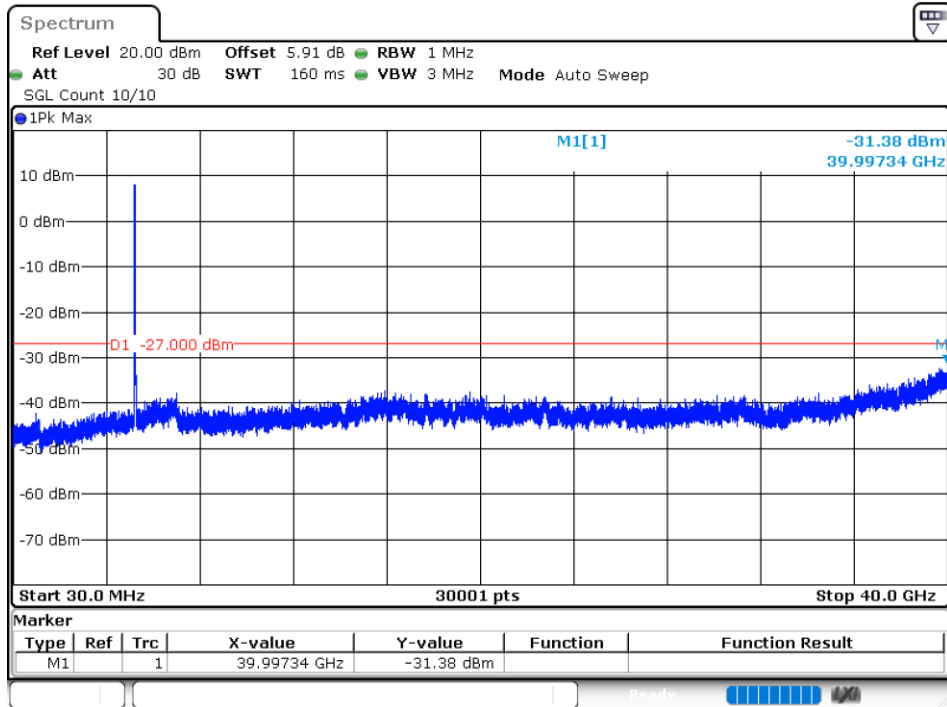
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission

