

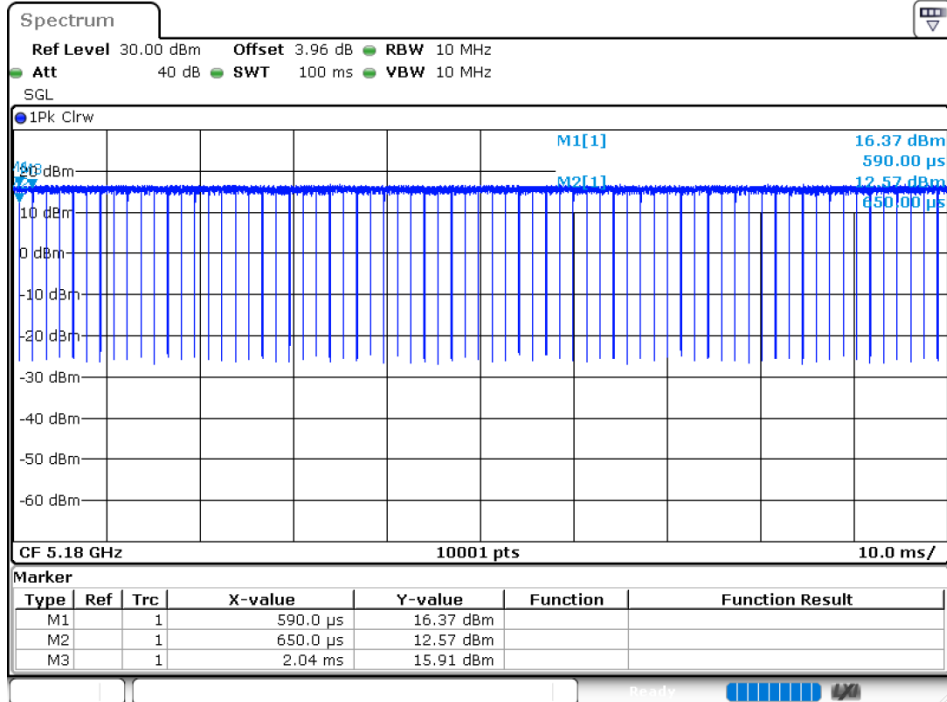
5.2G WIFI

Duty Cycle

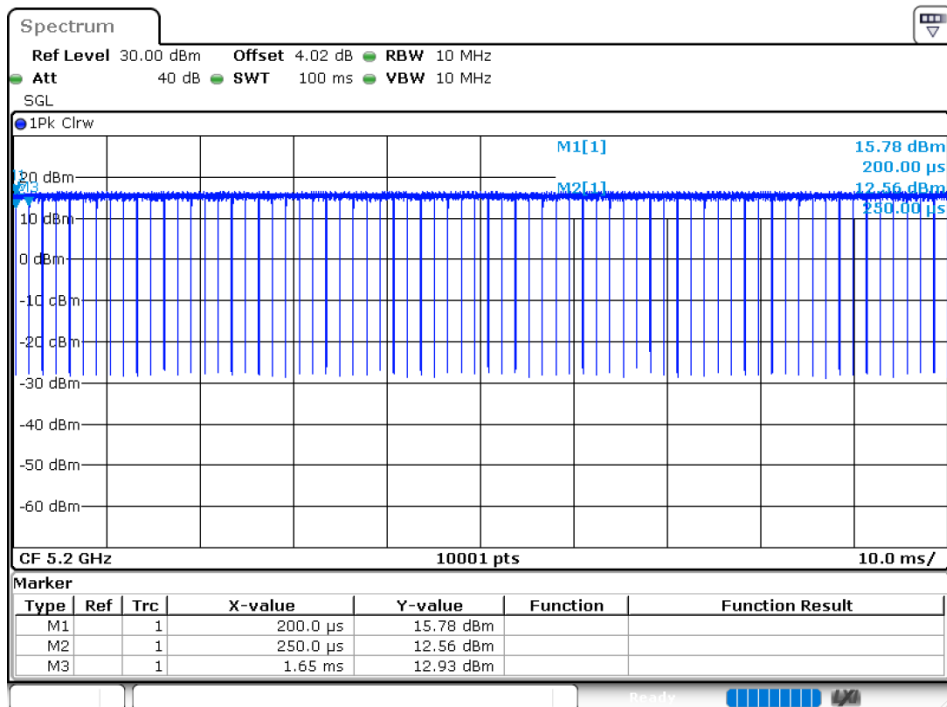
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.96	0.13	0.72
NVNT	a	5200	Ant1	96.94	0.13	0.71
NVNT	a	5240	Ant1	96.96	0.13	0.72
NVNT	a	5180	Ant2	96.97	0.13	0.72
NVNT	a	5200	Ant2	96.98	0.13	0.72
NVNT	a	5240	Ant2	96.99	0.13	0.71
NVNT	n20	5180	Ant1	96.78	0.14	0.77
NVNT	n20	5200	Ant1	96.75	0.14	0.77
NVNT	n20	5240	Ant1	96.75	0.14	0.77
NVNT	n20	5180	Ant2	96.76	0.14	0.77
NVNT	n20	5200	Ant2	96.75	0.14	0.77
NVNT	n20	5240	Ant2	96.76	0.14	0.77
NVNT	n40	5190	Ant1	93.85	0.28	1.54
NVNT	n40	5230	Ant1	93.83	0.28	1.56
NVNT	n40	5190	Ant2	93.86	0.28	1.54
NVNT	n40	5230	Ant2	93.9	0.27	1.54
NVNT	ac20	5180	Ant1	96.8	0.14	0.76
NVNT	ac20	5200	Ant1	96.8	0.14	0.76
NVNT	ac20	5240	Ant1	96.79	0.14	0.76
NVNT	ac20	5180	Ant2	96.79	0.14	0.76
NVNT	ac20	5200	Ant2	96.8	0.14	0.76
NVNT	ac20	5240	Ant2	96.8	0.14	0.76
NVNT	ac40	5190	Ant1	93.61	0.29	1.54
NVNT	ac40	5230	Ant1	93.61	0.29	1.54
NVNT	ac40	5190	Ant2	94.32	0.25	1.54
NVNT	ac40	5230	Ant2	93.61	0.29	1.54
NVNT	ac80	5210	Ant1	88.64	0.52	3.12
NVNT	ac80	5210	Ant2	88.71	0.52	3.03

Test Graphs

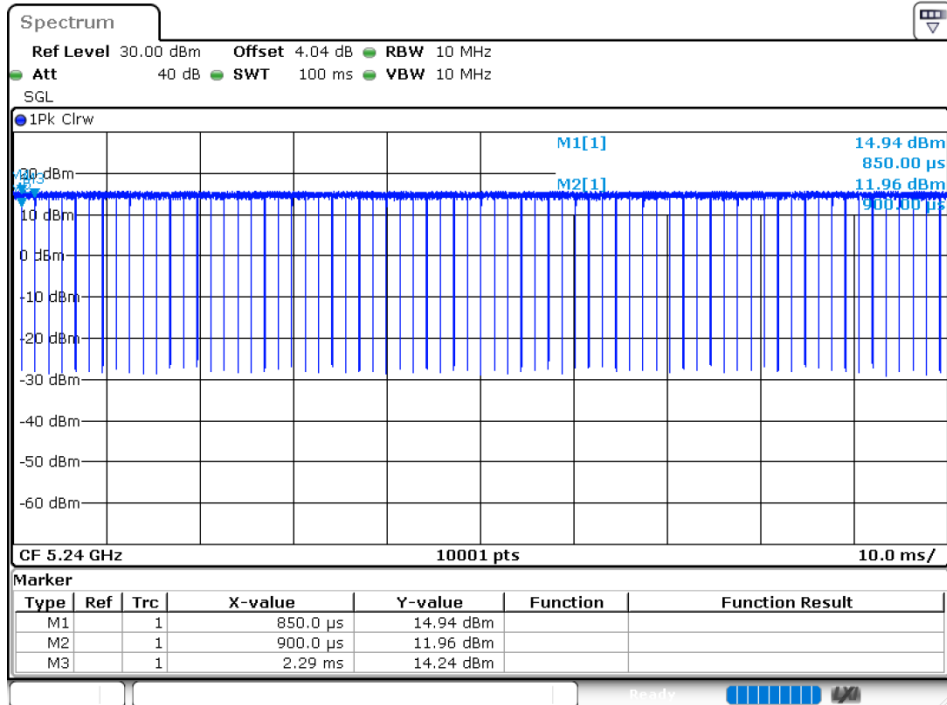
Duty Cycle NVNT a 5180MHz Ant1



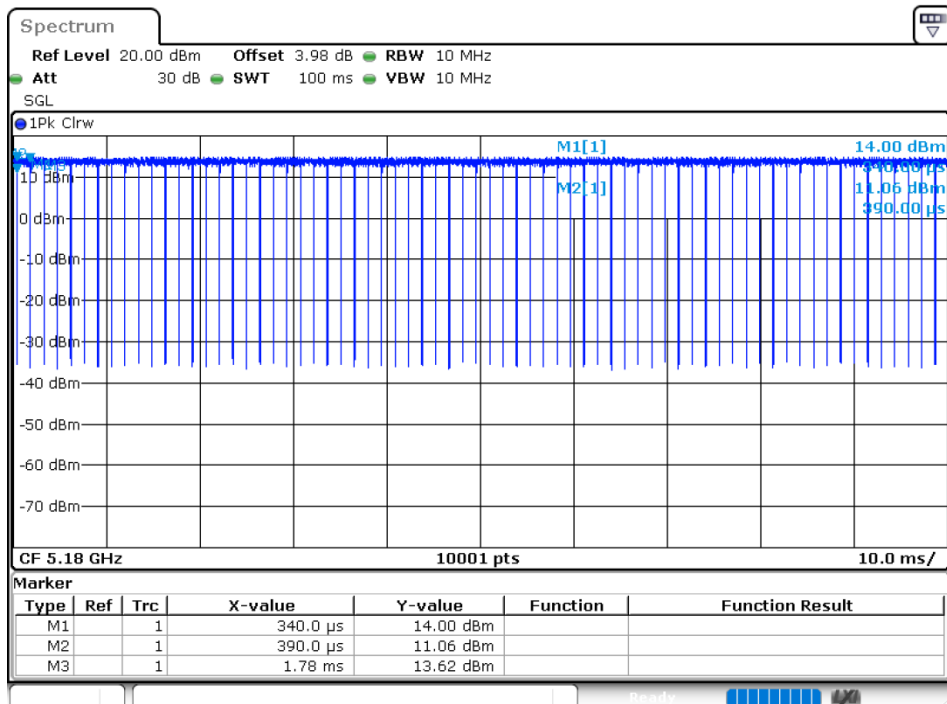
Duty Cycle NVNT a 5200MHz Ant1



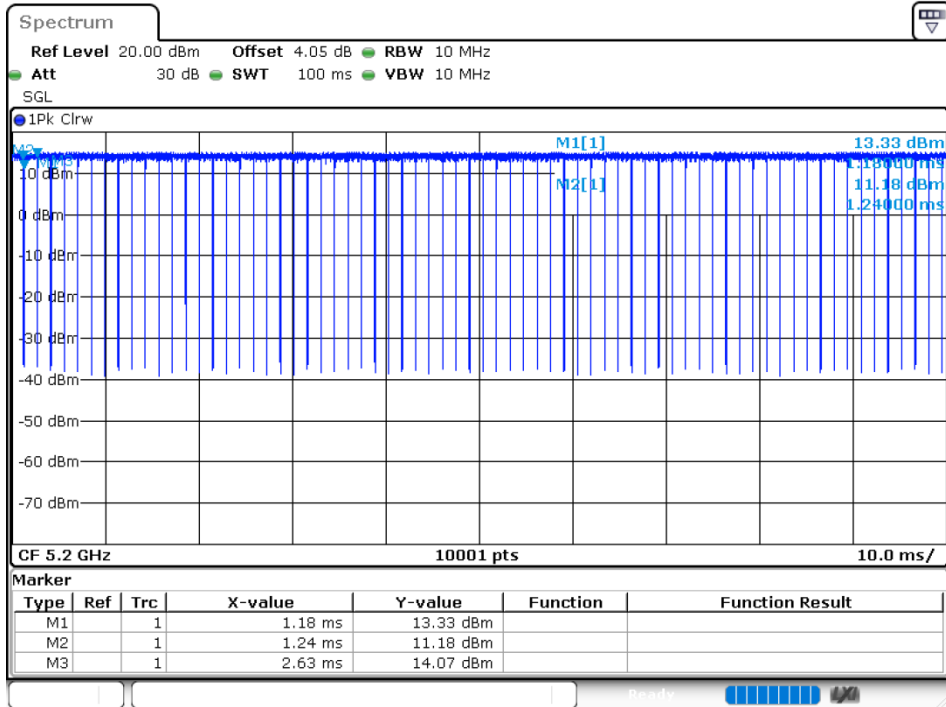
Duty Cycle NVNT a 5240MHz Ant1



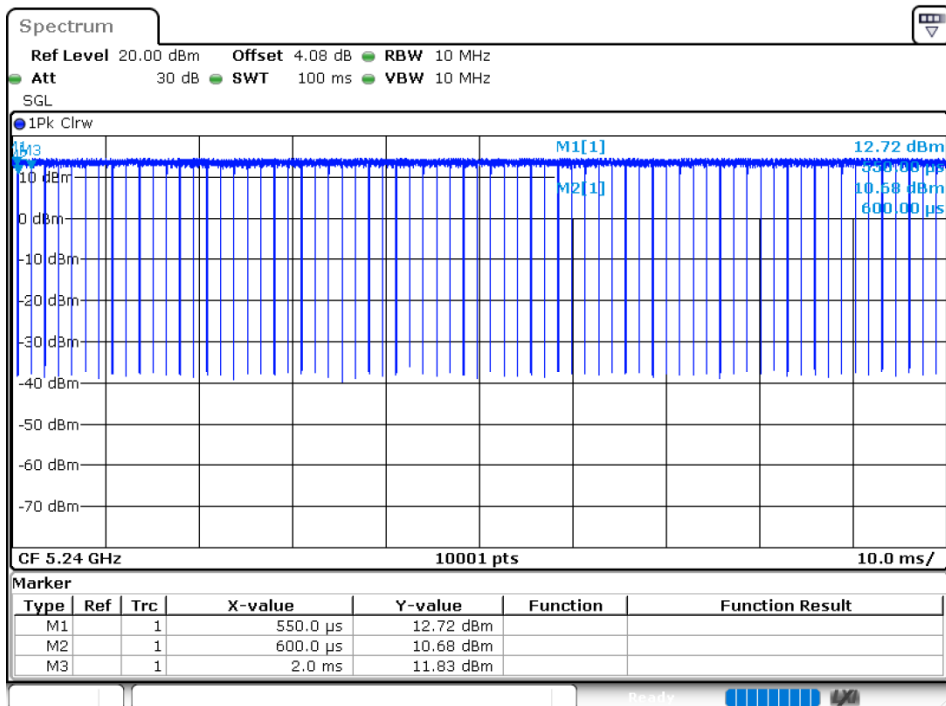
Duty Cycle NVNT a 5180MHz Ant2



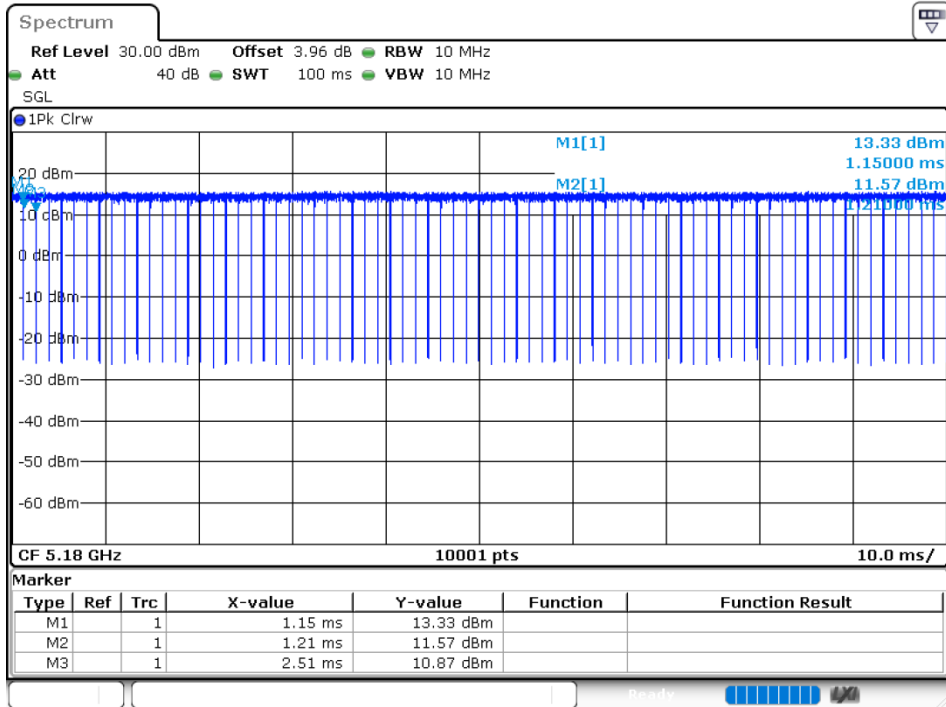
Duty Cycle NVNT a 5200MHz Ant2



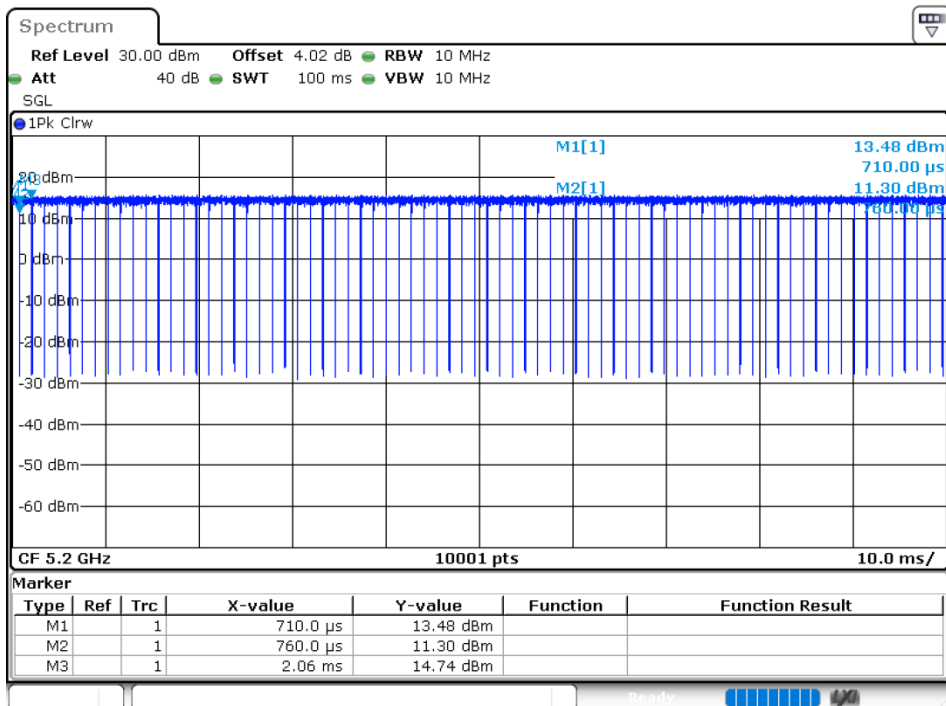
Duty Cycle NVNT a 5240MHz Ant2



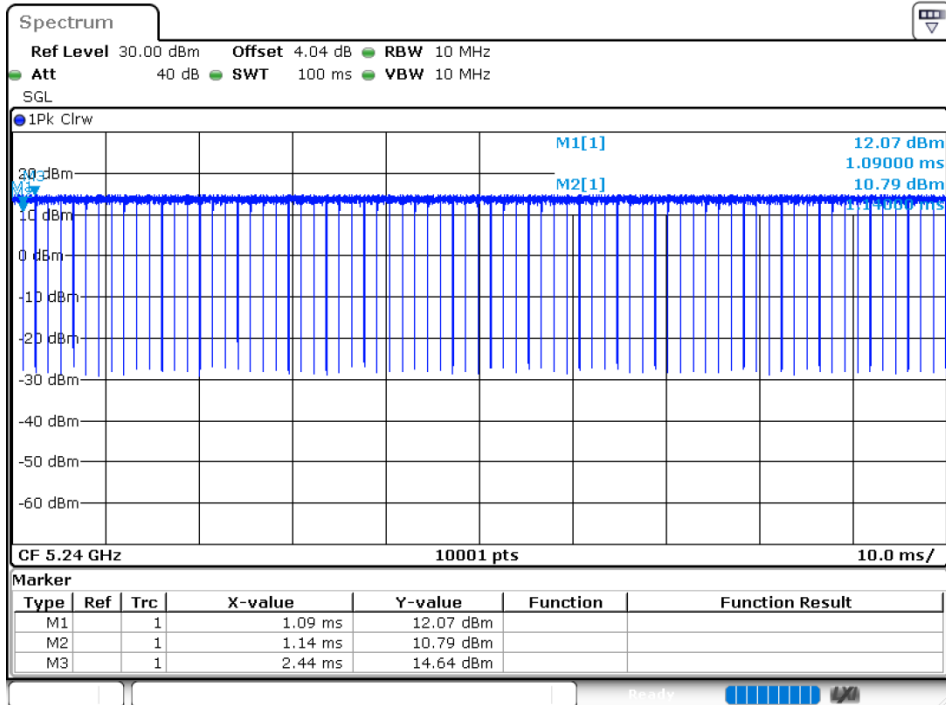
Duty Cycle NVNT n20 5180MHz Ant1



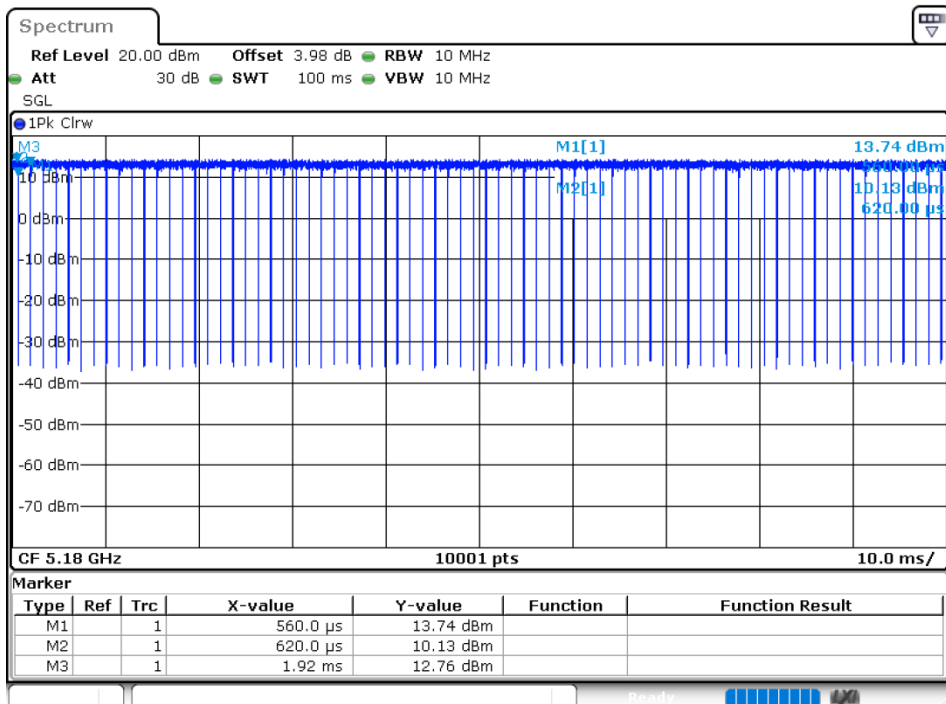
Duty Cycle NVNT n20 5200MHz Ant1



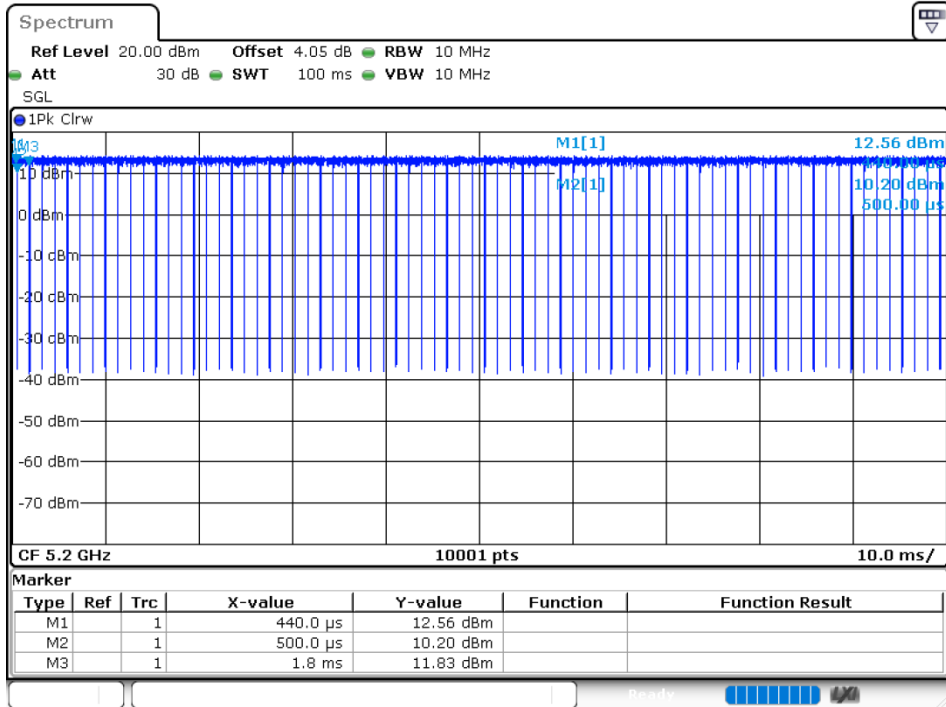
Duty Cycle NVNT n20 5240MHz Ant1



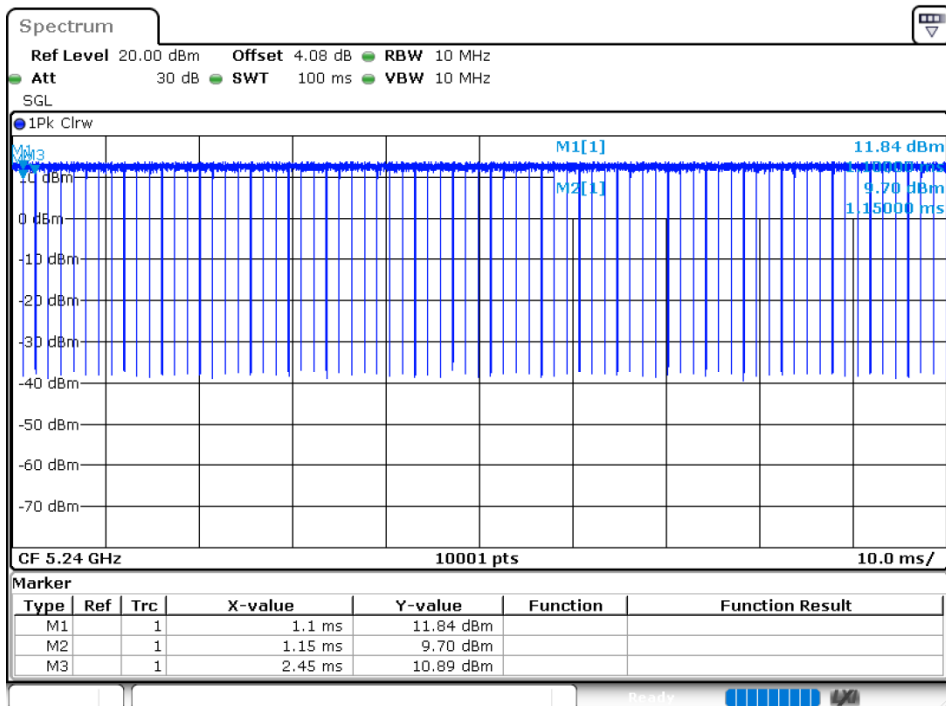
Duty Cycle NVNT n20 5180MHz Ant2



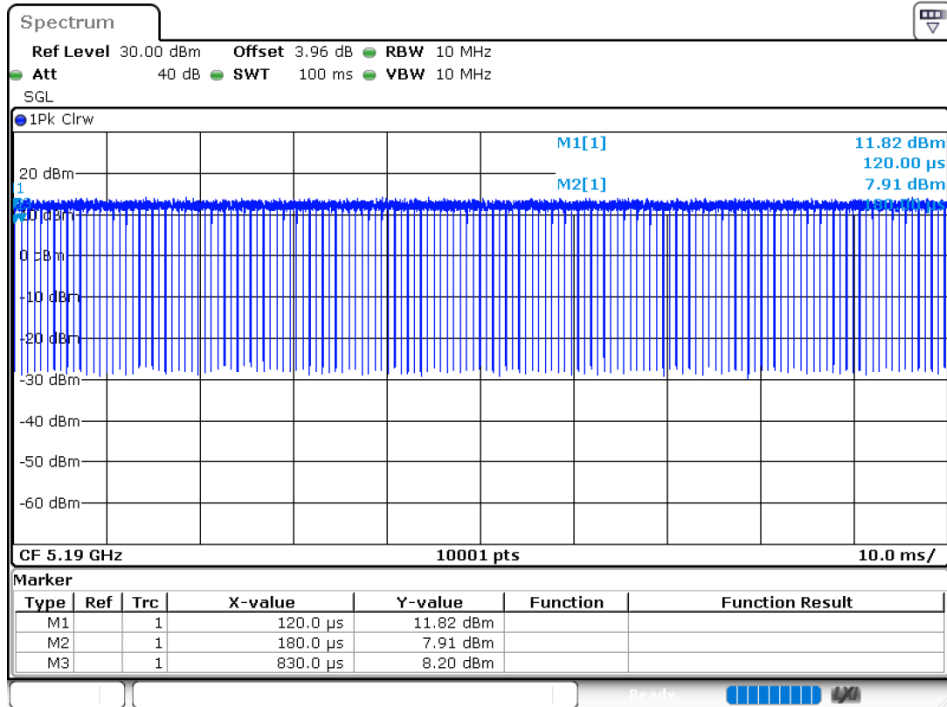
Duty Cycle NVNT n20 5200MHz Ant2



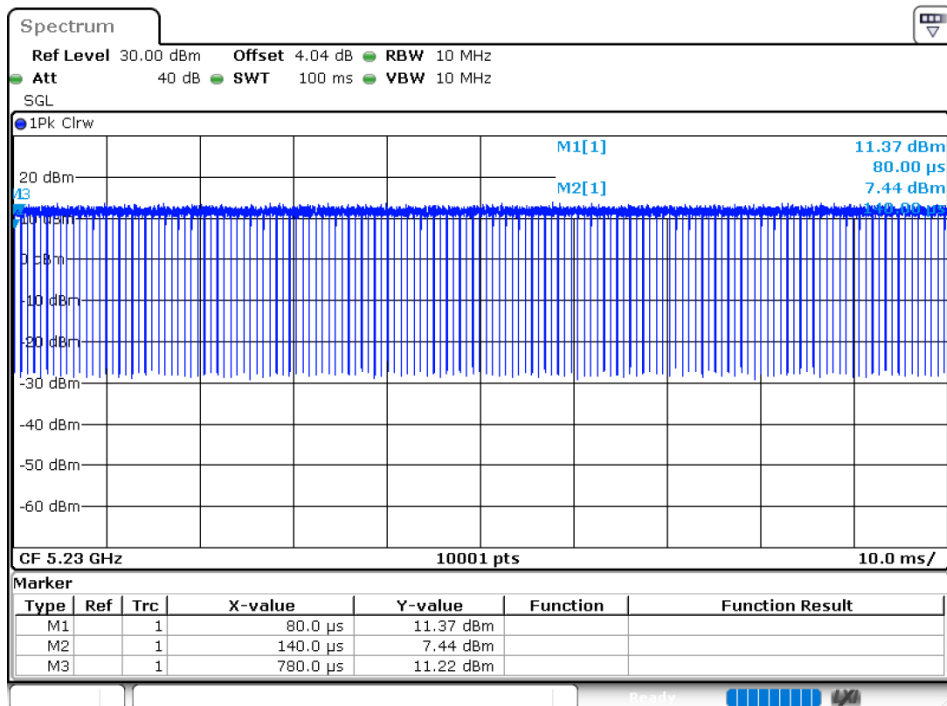
Duty Cycle NVNT n20 5240MHz Ant2



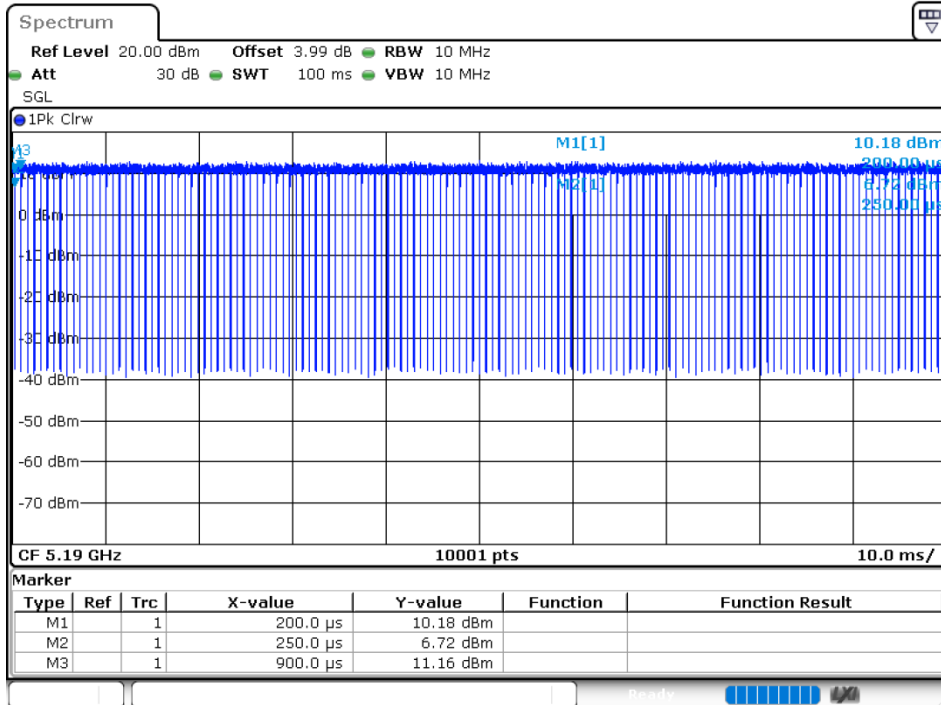
Duty Cycle NVNT n40 5190MHz Ant1



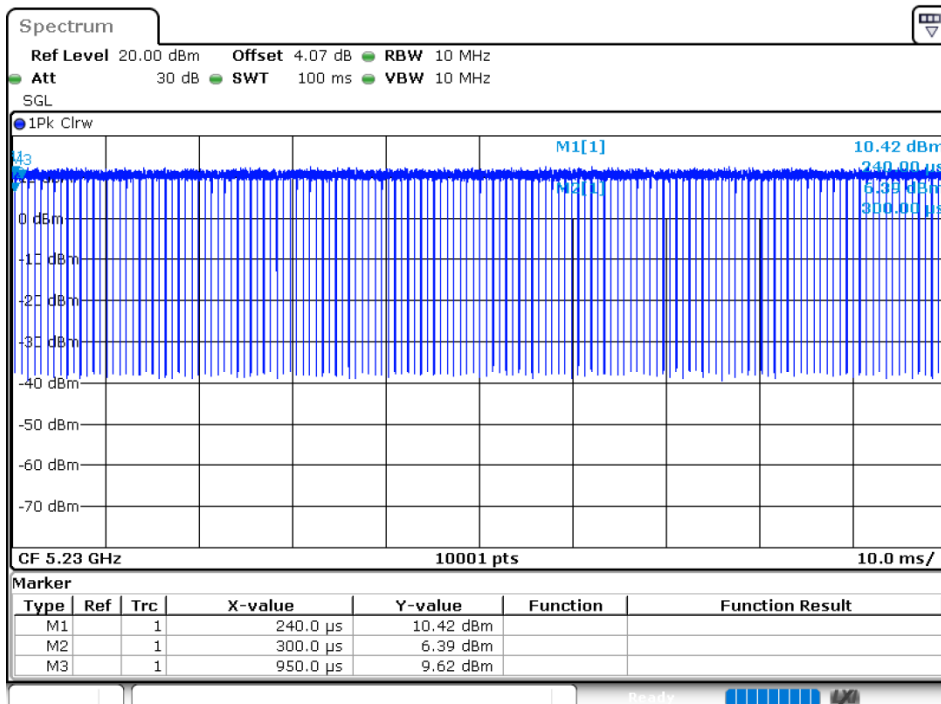
Duty Cycle NVNT n40 5230MHz Ant1



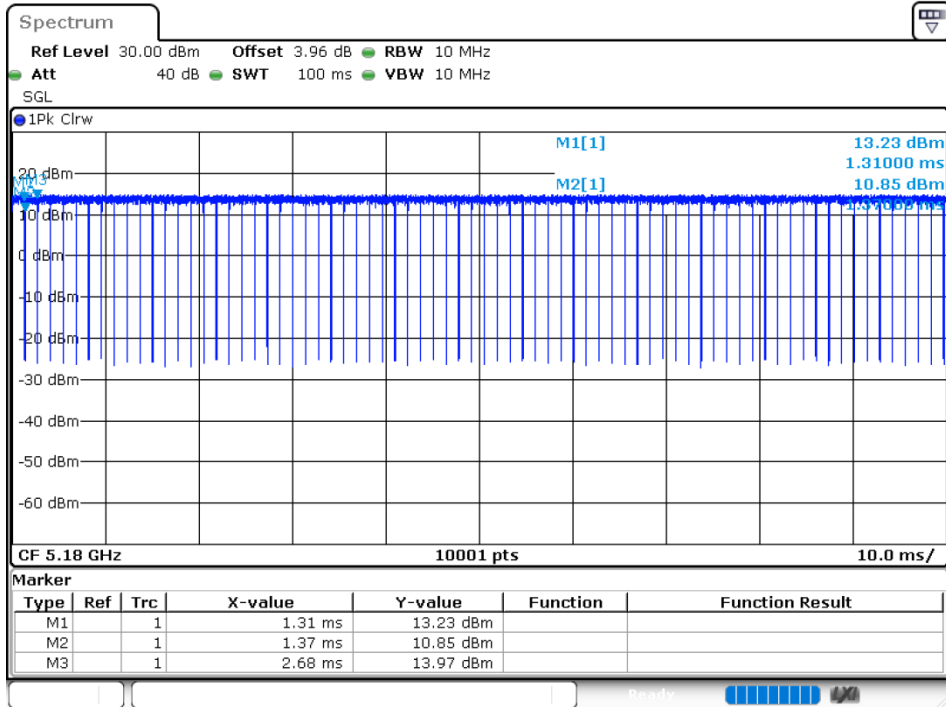
Duty Cycle NVNT n40 5190MHz Ant2



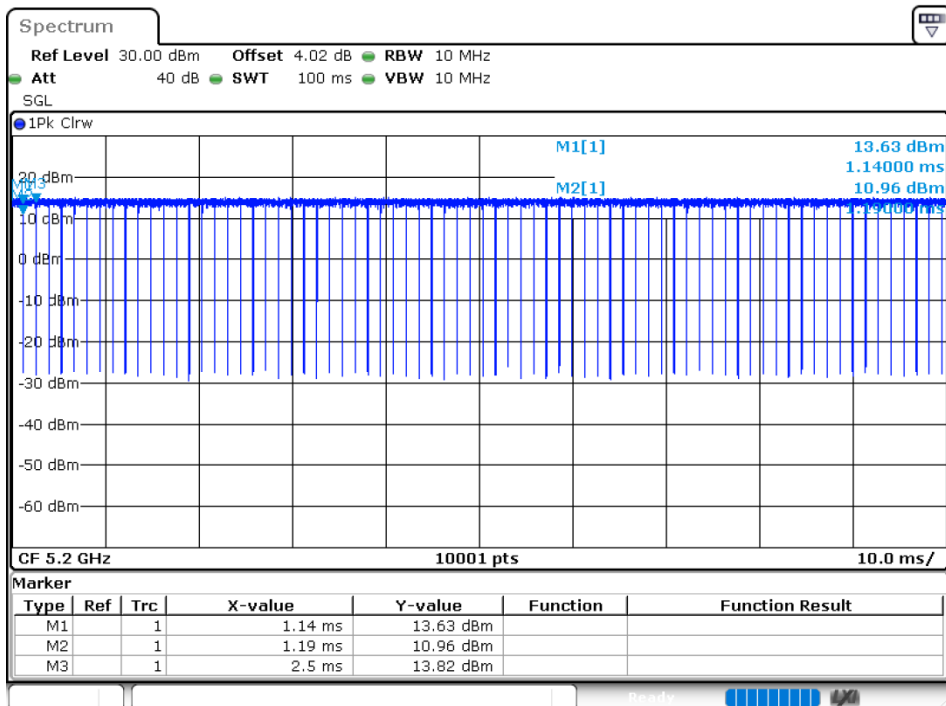
Duty Cycle NVNT n40 5230MHz Ant2



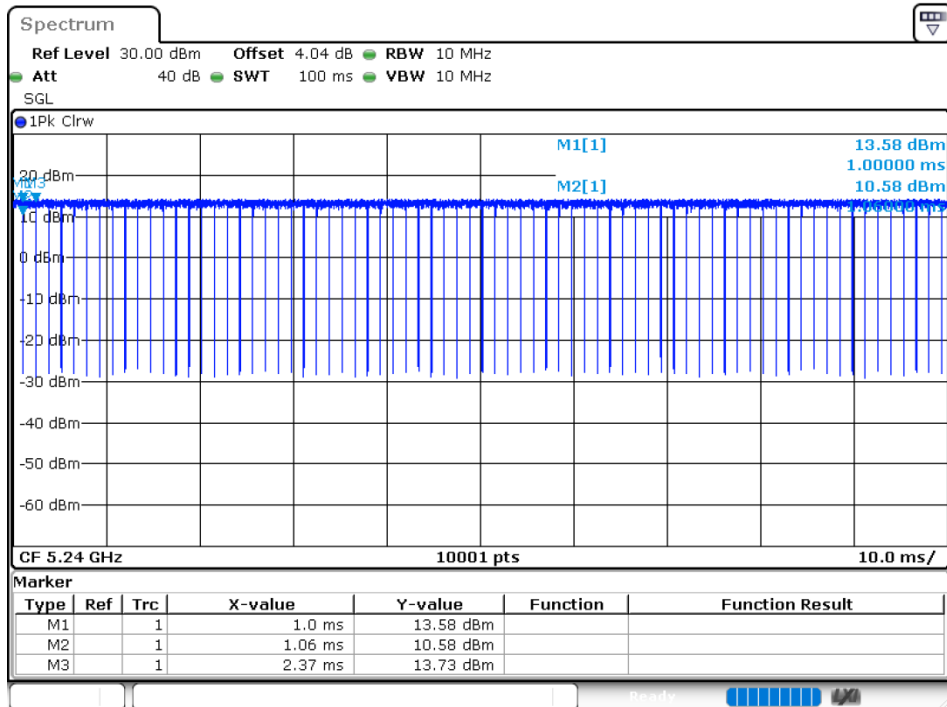
Duty Cycle NVNT ac20 5180MHz Ant1



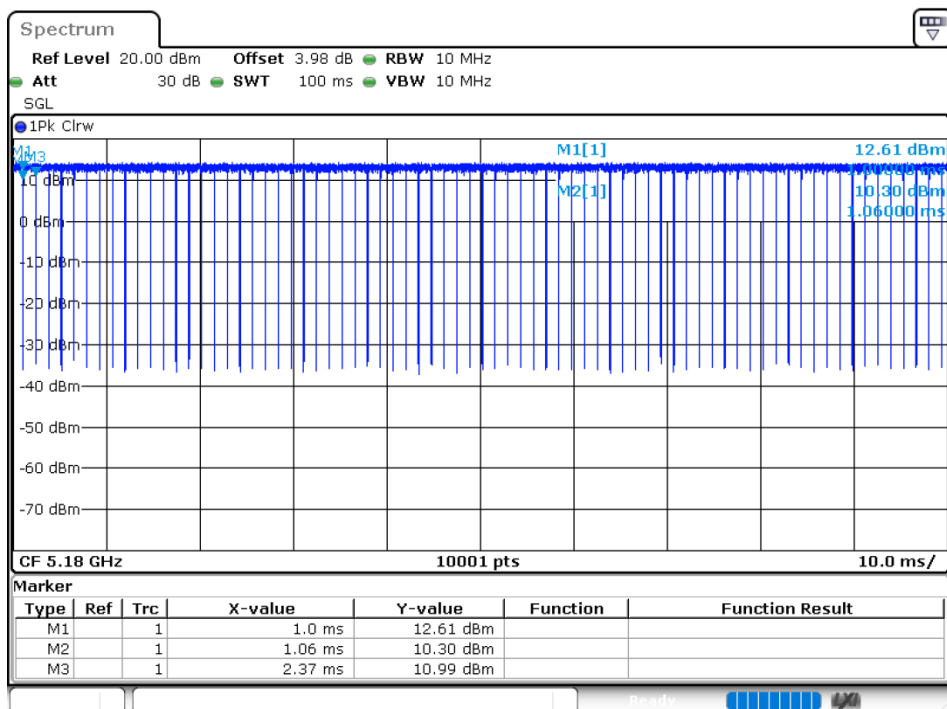
Duty Cycle NVNT ac20 5200MHz Ant1



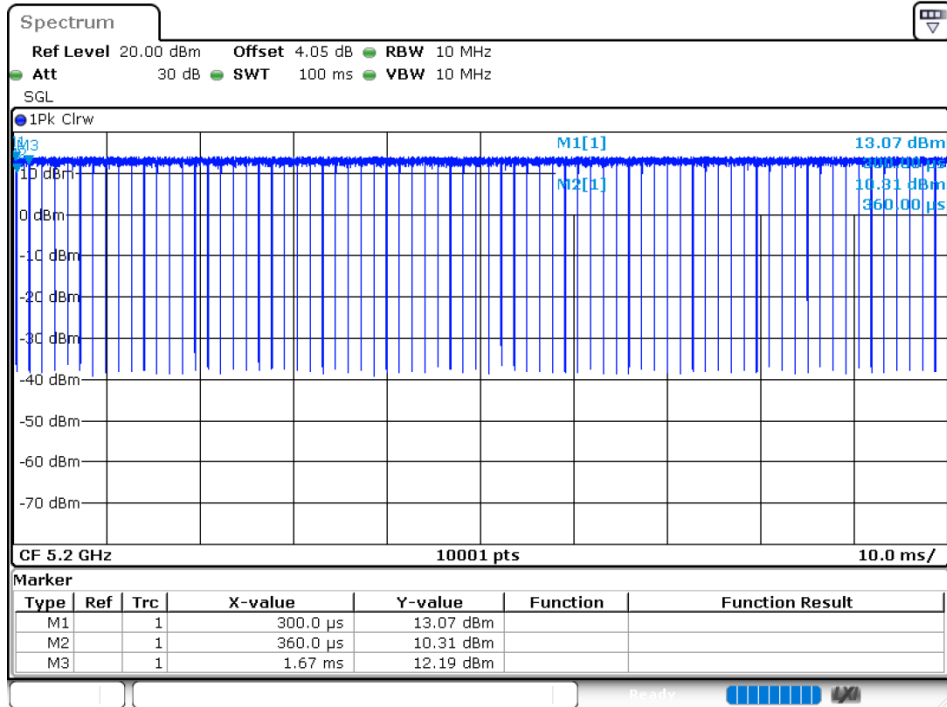
Duty Cycle NVNT ac20 5240MHz Ant1



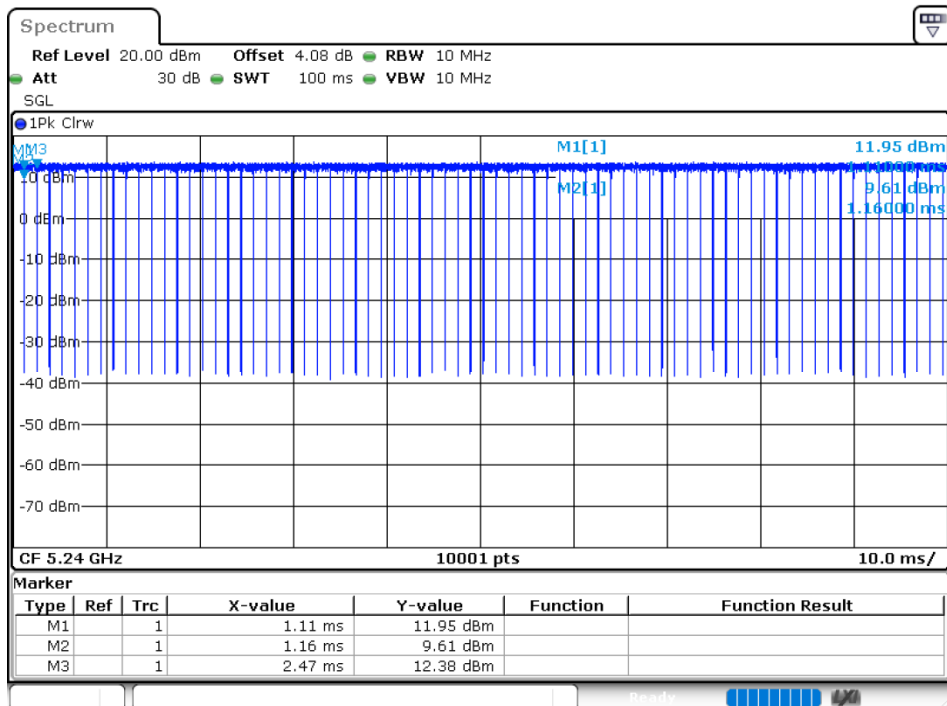
Duty Cycle NVNT ac20 5180MHz Ant2



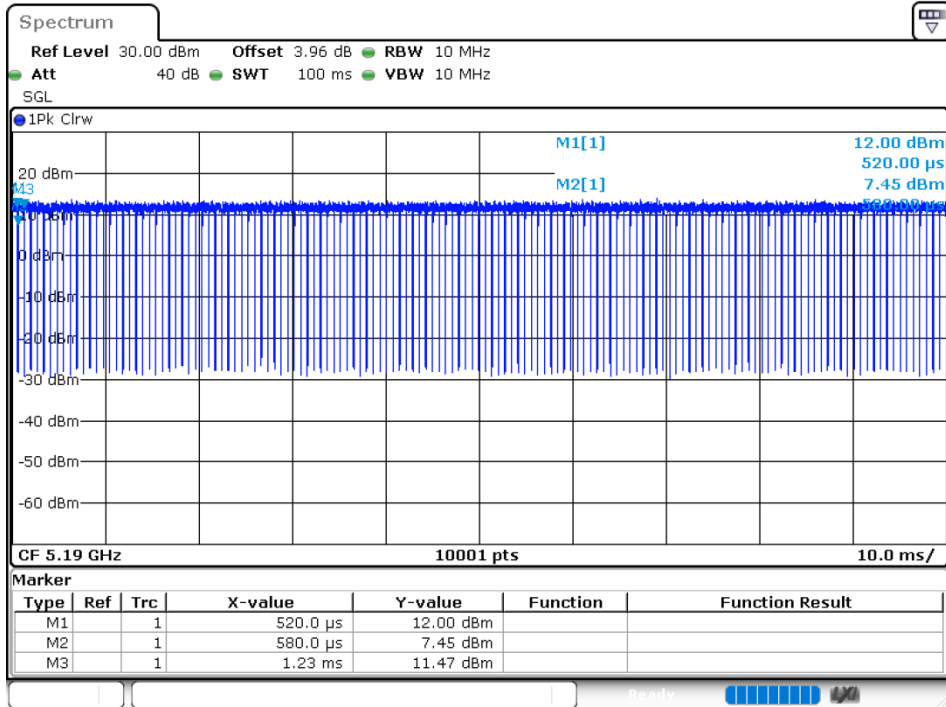
Duty Cycle NVNT ac20 5200MHz Ant2



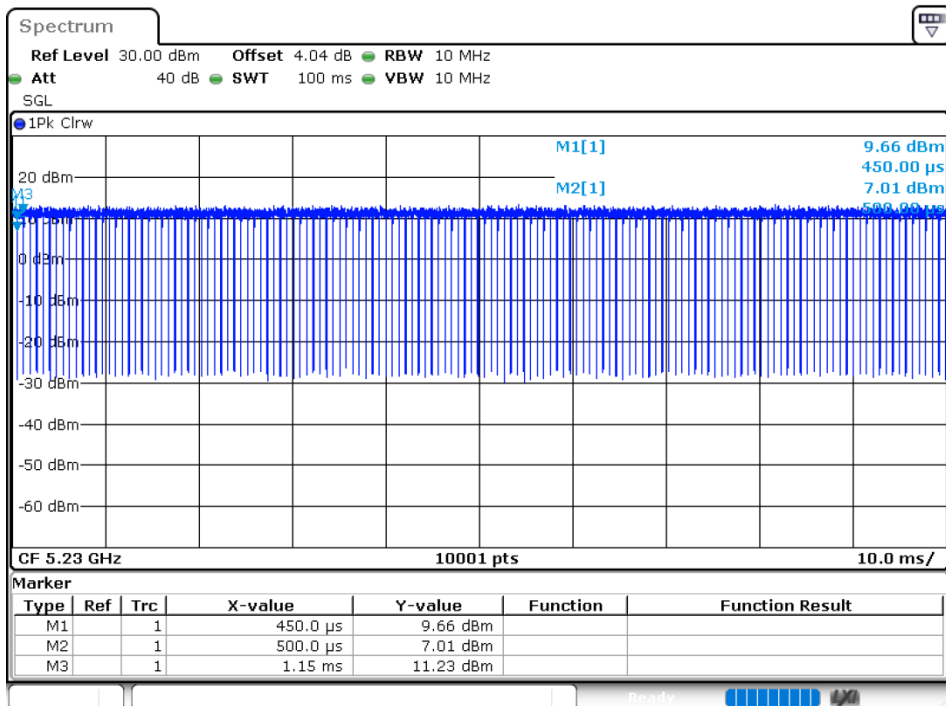
Duty Cycle NVNT ac20 5240MHz Ant2



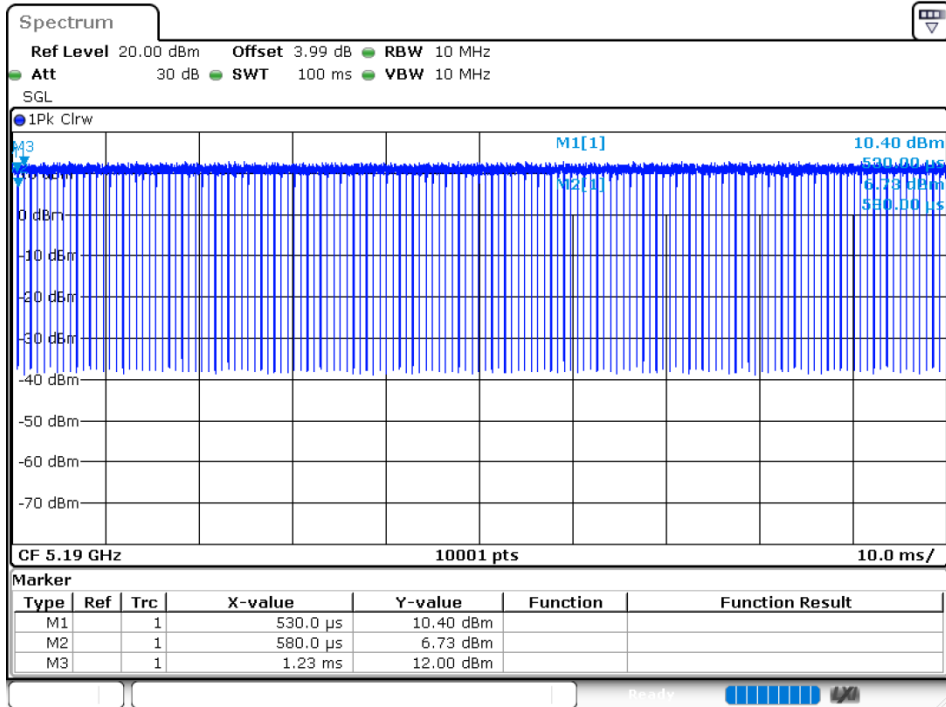
Duty Cycle NVNT ac40 5190MHz Ant1



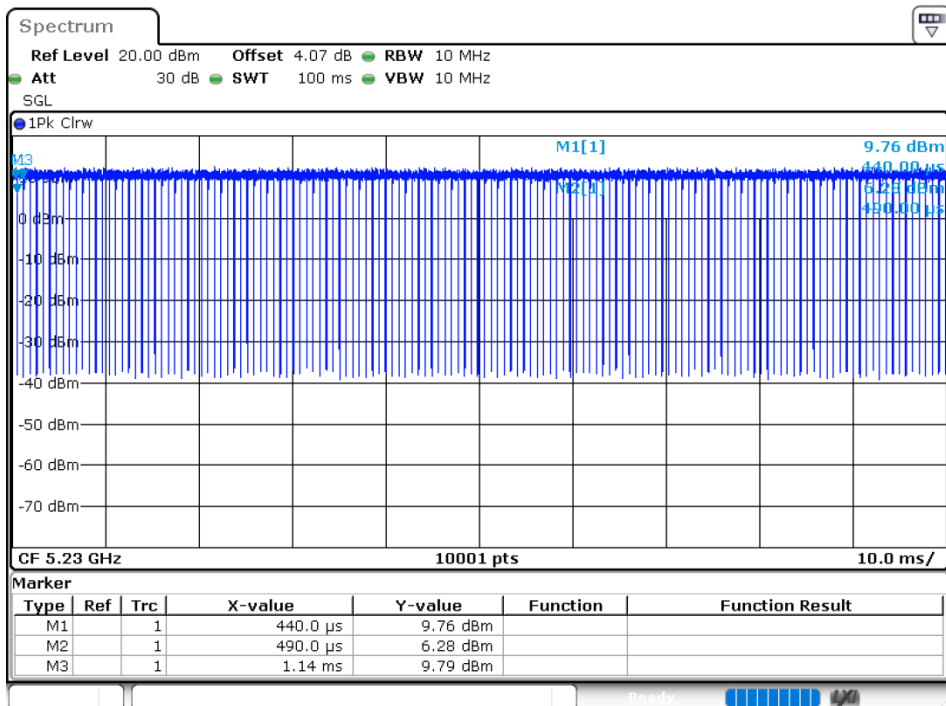
Duty Cycle NVNT ac40 5230MHz Ant1



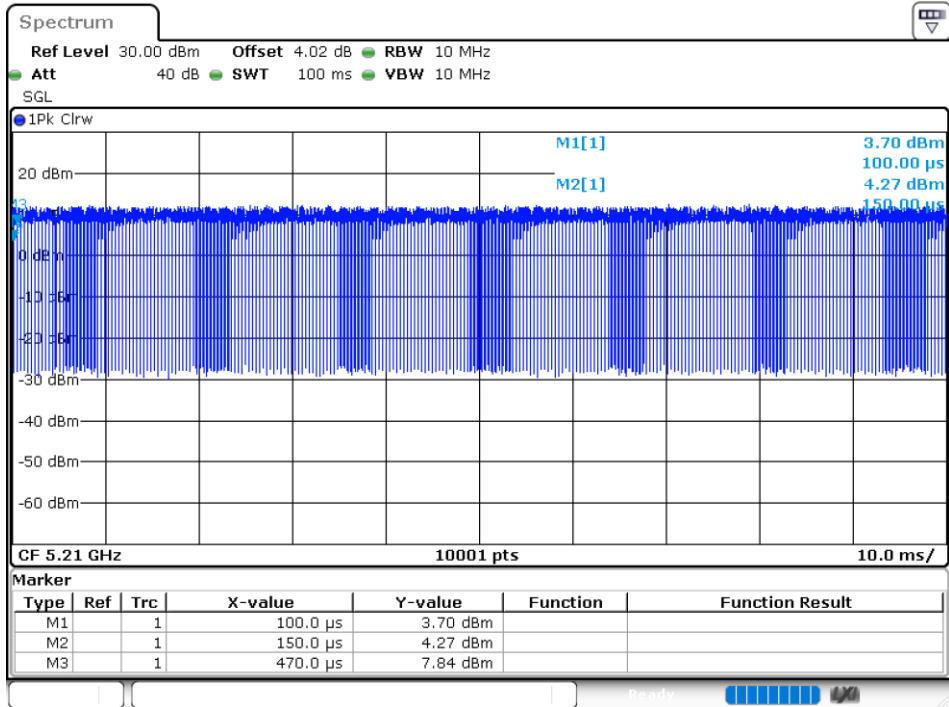
Duty Cycle NVNT ac40 5190MHz Ant2



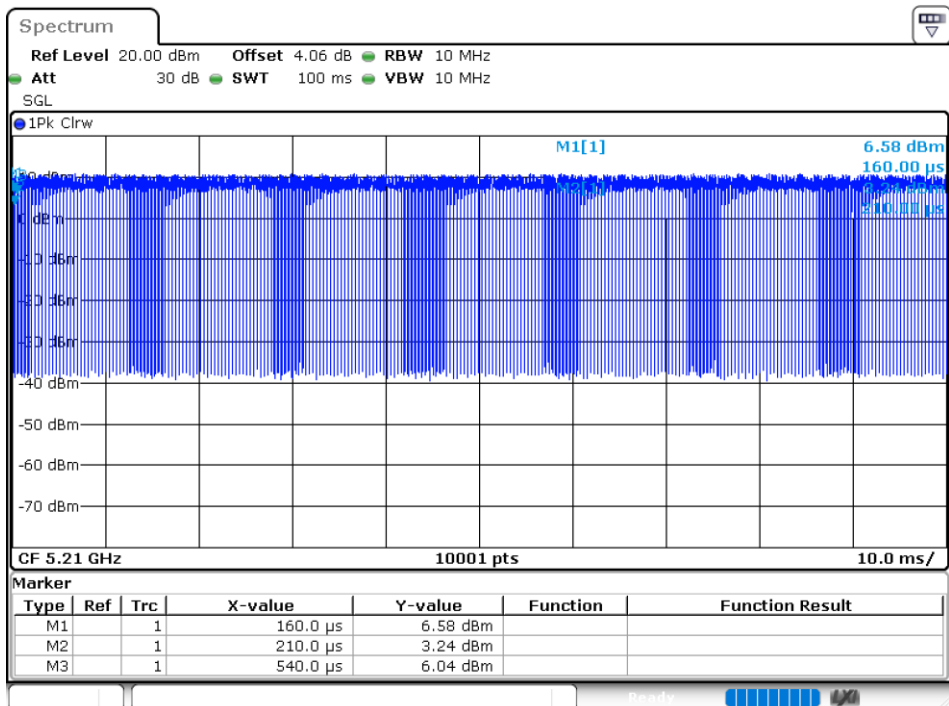
Duty Cycle NVNT ac40 5230MHz Ant2



Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant2



Maximum Conducted Output Power

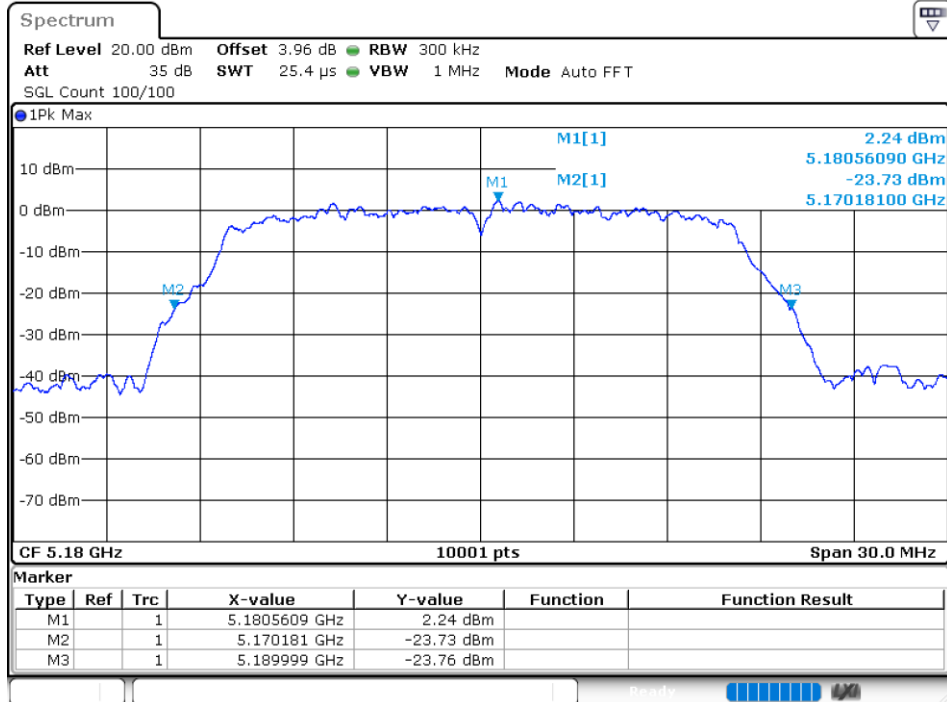
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.44	24	Pass
NVNT	a	5200	Ant1	11.35	24	Pass
NVNT	a	5240	Ant1	11.58	24	Pass
NVNT	a	5180	Ant2	10.77	24	Pass
NVNT	a	5200	Ant2	10.85	24	Pass
NVNT	a	5240	Ant2	10.6	24	Pass
NVNT	n20	5180	Ant1	10.13	24	Pass
NVNT	n20	5200	Ant1	10.25	24	Pass
NVNT	n20	5240	Ant1	10.49	24	Pass
NVNT	n20	5180	Ant2	9.73	24	Pass
NVNT	n20	5200	Ant2	9.77	24	Pass
NVNT	n20	5240	Ant2	9.58	24	Pass
NVNT	n40	5190	Ant1	10.05	24	Pass
NVNT	n40	5230	Ant1	10.47	24	Pass
NVNT	n40	5190	Ant2	9.8	24	Pass
NVNT	n40	5230	Ant2	9.74	24	Pass
NVNT	ac20	5180	Ant1	10.43	24	Pass
NVNT	ac20	5200	Ant1	10.31	24	Pass
NVNT	ac20	5240	Ant1	10.36	24	Pass
NVNT	ac20	5180	Ant2	9.73	24	Pass
NVNT	ac20	5200	Ant2	9.62	24	Pass
NVNT	ac20	5240	Ant2	10.12	24	Pass
NVNT	ac40	5190	Ant1	10.16	24	Pass
NVNT	ac40	5230	Ant1	10.44	24	Pass
NVNT	ac40	5190	Ant2	9.83	24	Pass
NVNT	ac40	5230	Ant2	9.73	24	Pass
NVNT	ac80	5210	Ant1	10.08	24	Pass
NVNT	ac80	5210	Ant2	9.58	24	Pass

-26dB Bandwidth

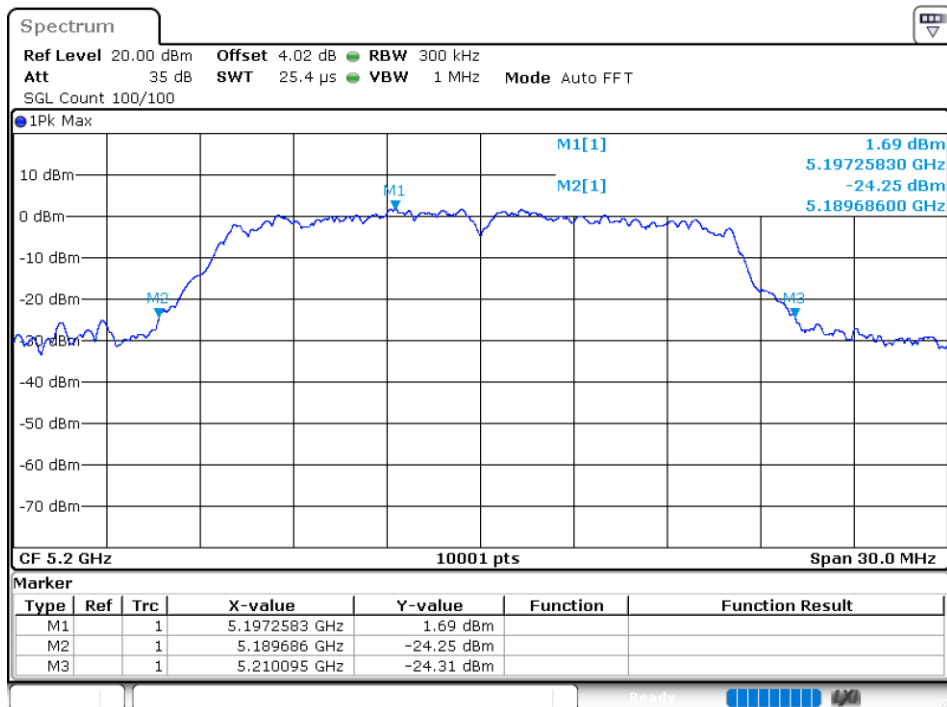
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.818	Pass
NVNT	a	5200	Ant1	20.409	Pass
NVNT	a	5240	Ant1	23.352	Pass
NVNT	a	5180	Ant2	20.277	Pass
NVNT	a	5200	Ant2	21.858	Pass
NVNT	a	5240	Ant2	22.329	Pass
NVNT	n20	5180	Ant1	20.4	Pass
NVNT	n20	5200	Ant1	20.373	Pass
NVNT	n20	5240	Ant1	20.304	Pass
NVNT	n20	5180	Ant2	20.331	Pass
NVNT	n20	5200	Ant2	20.514	Pass
NVNT	n20	5240	Ant2	20.448	Pass
NVNT	n40	5190	Ant1	40.554	Pass
NVNT	n40	5230	Ant1	50.652	Pass
NVNT	n40	5190	Ant2	40.32	Pass
NVNT	n40	5230	Ant2	50.712	Pass
NVNT	ac20	5180	Ant1	20.301	Pass
NVNT	ac20	5200	Ant1	20.223	Pass
NVNT	ac20	5240	Ant1	20.175	Pass
NVNT	ac20	5180	Ant2	19.875	Pass
NVNT	ac20	5200	Ant2	20.784	Pass
NVNT	ac20	5240	Ant2	20.805	Pass
NVNT	ac40	5190	Ant1	40.44	Pass
NVNT	ac40	5230	Ant1	56.082	Pass
NVNT	ac40	5190	Ant2	40.686	Pass
NVNT	ac40	5230	Ant2	55.992	Pass
NVNT	ac80	5210	Ant1	117.912	Pass
NVNT	ac80	5210	Ant2	81.576	Pass

Test Graphs

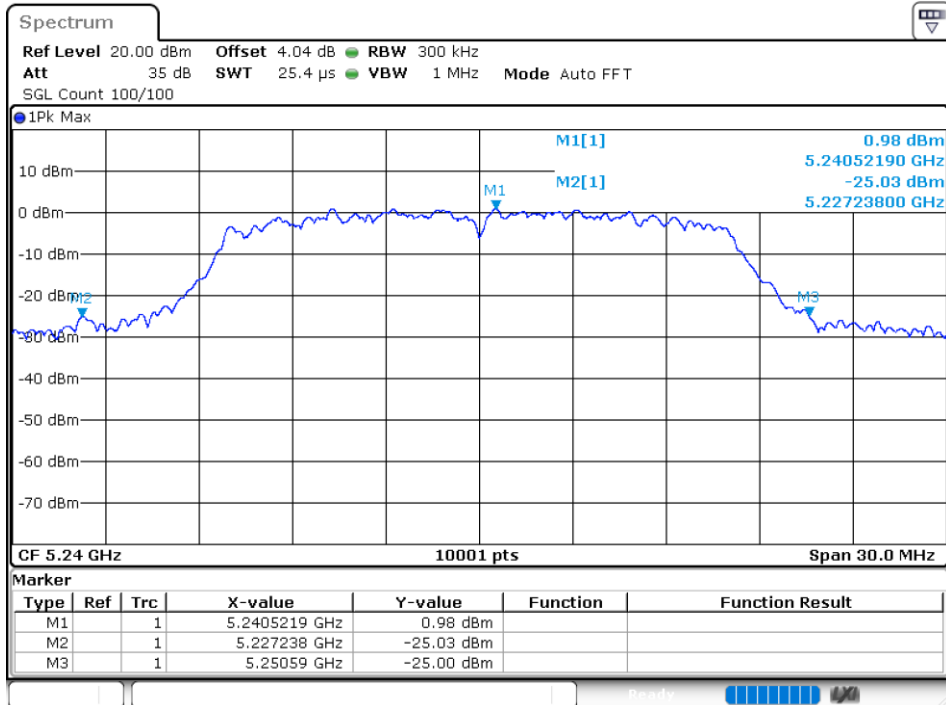
-26dB Bandwidth NVNT a 5180MHz Ant1



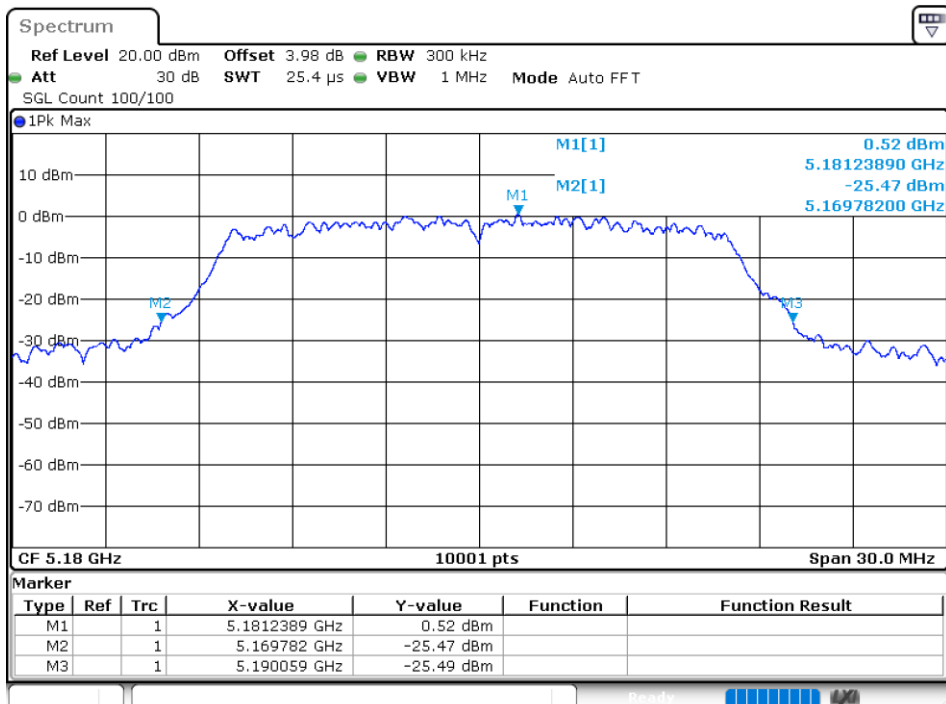
-26dB Bandwidth NVNT a 5200MHz Ant1



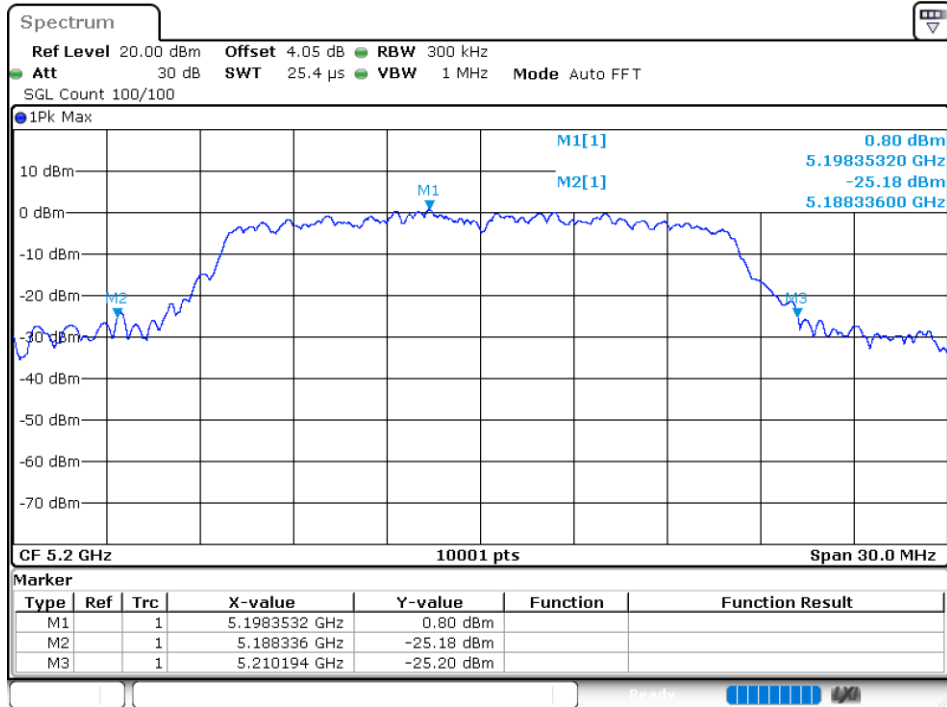
-26dB Bandwidth NVNT a 5240MHz Ant1



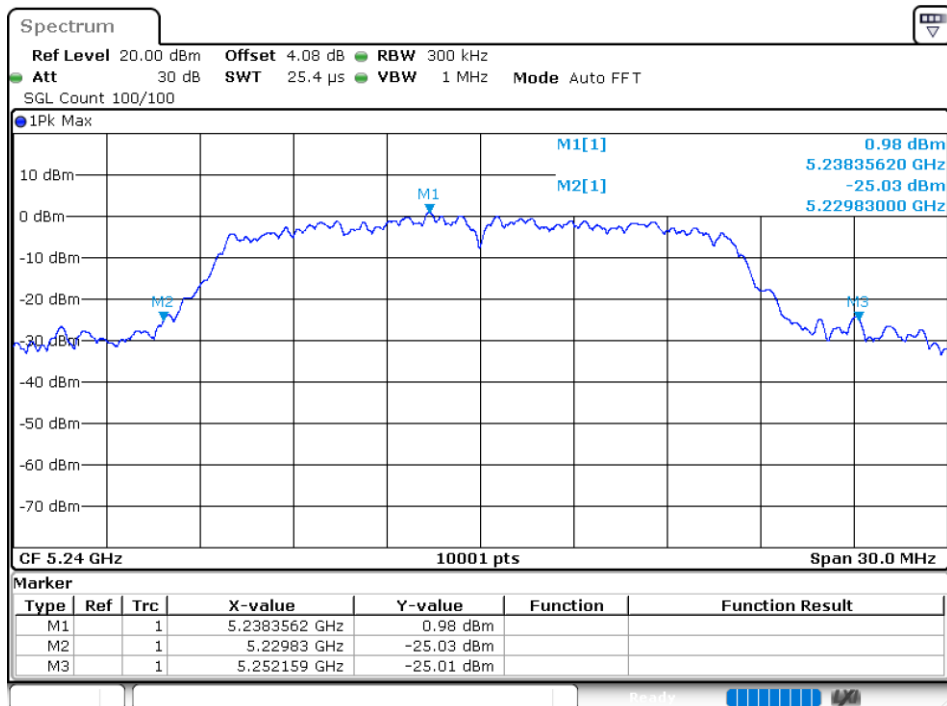
-26dB Bandwidth NVNT a 5180MHz Ant2



-26dB Bandwidth NVNT a 5200MHz Ant2



-26dB Bandwidth NVNT a 5240MHz Ant2

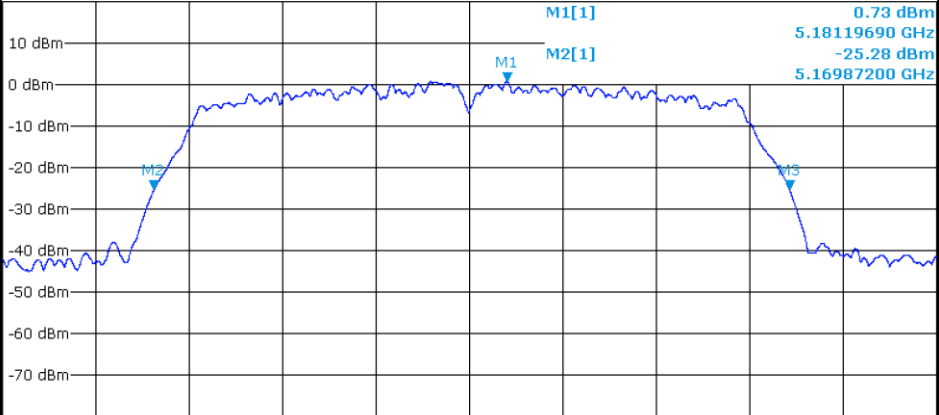


-26dB Bandwidth NVNT n20 5180MHz Ant1

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



Marker

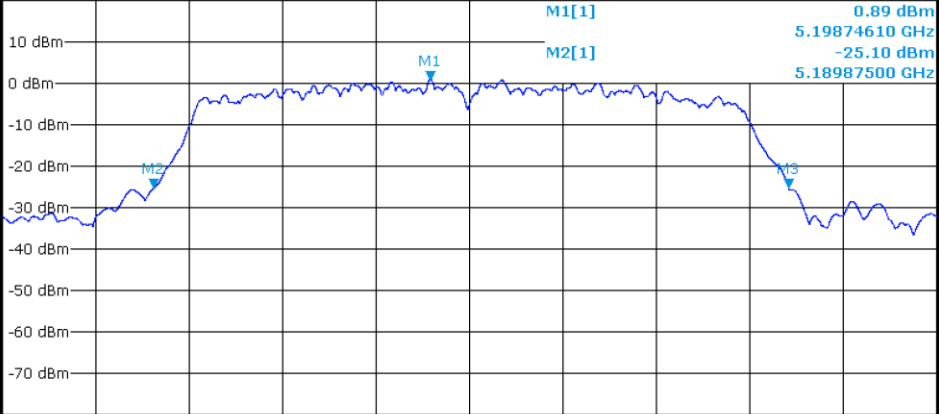
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1811969 GHz	0.73 dBm		
M2	1	1	5.169872 GHz	-25.28 dBm		
M3	1	1	5.190272 GHz	-25.26 dBm		

-26dB Bandwidth NVNT n20 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

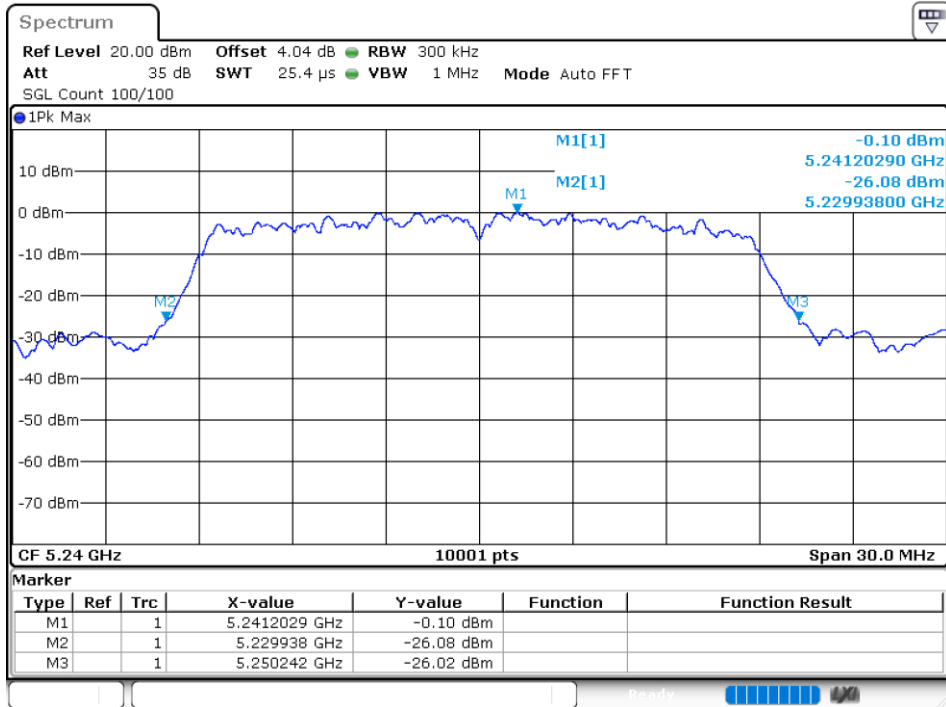
1Pk Max



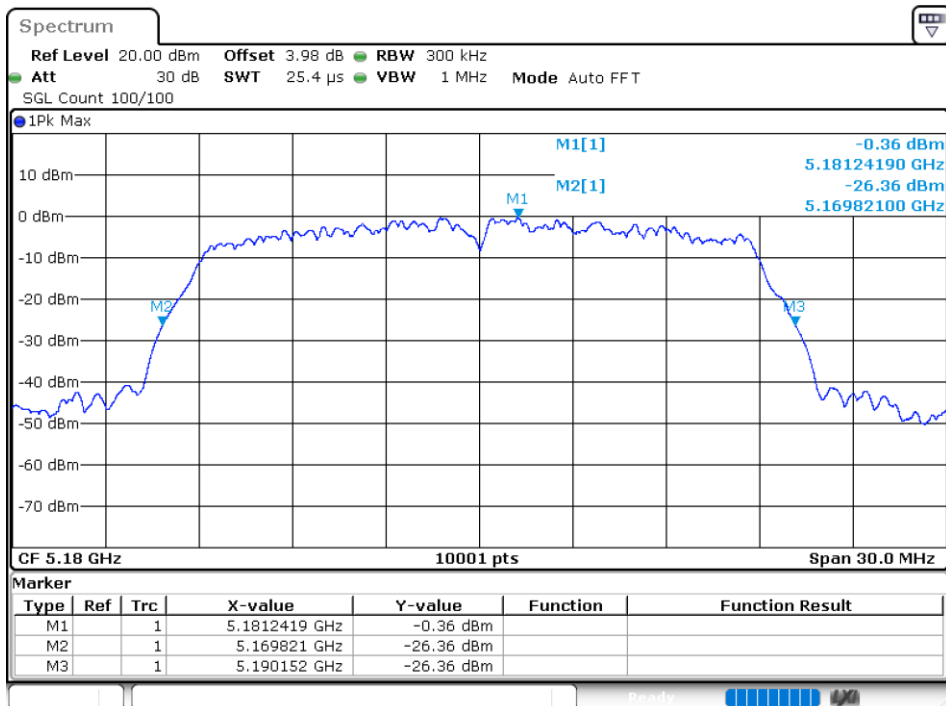
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1987461 GHz	0.89 dBm		
M2	1	1	5.189875 GHz	-25.10 dBm		
M3	1	1	5.210248 GHz	-25.07 dBm		

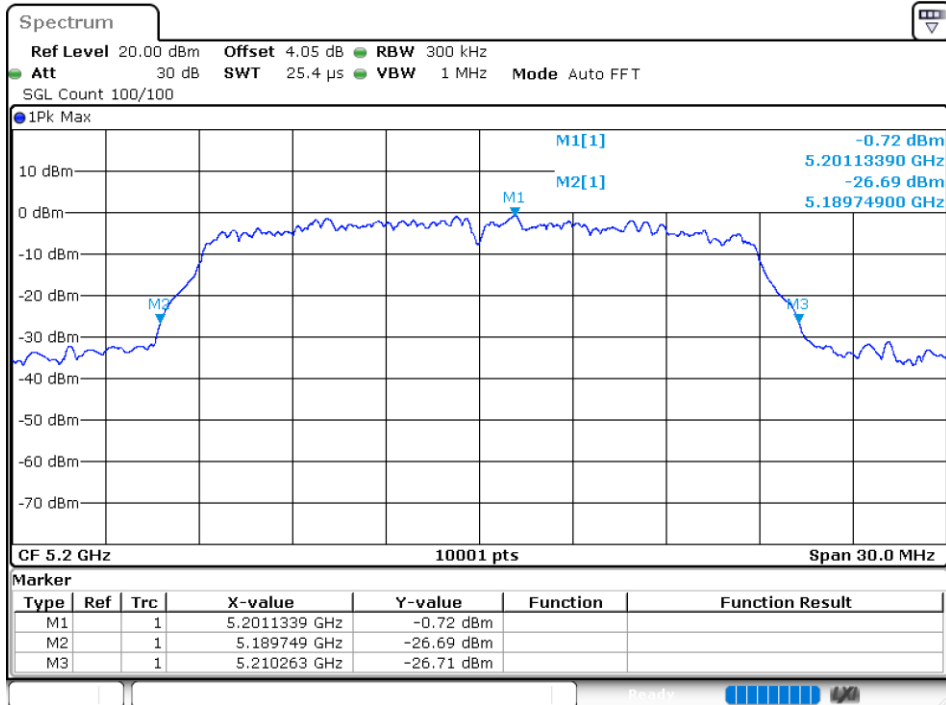
-26dB Bandwidth NVNT n20 5240MHz Ant1



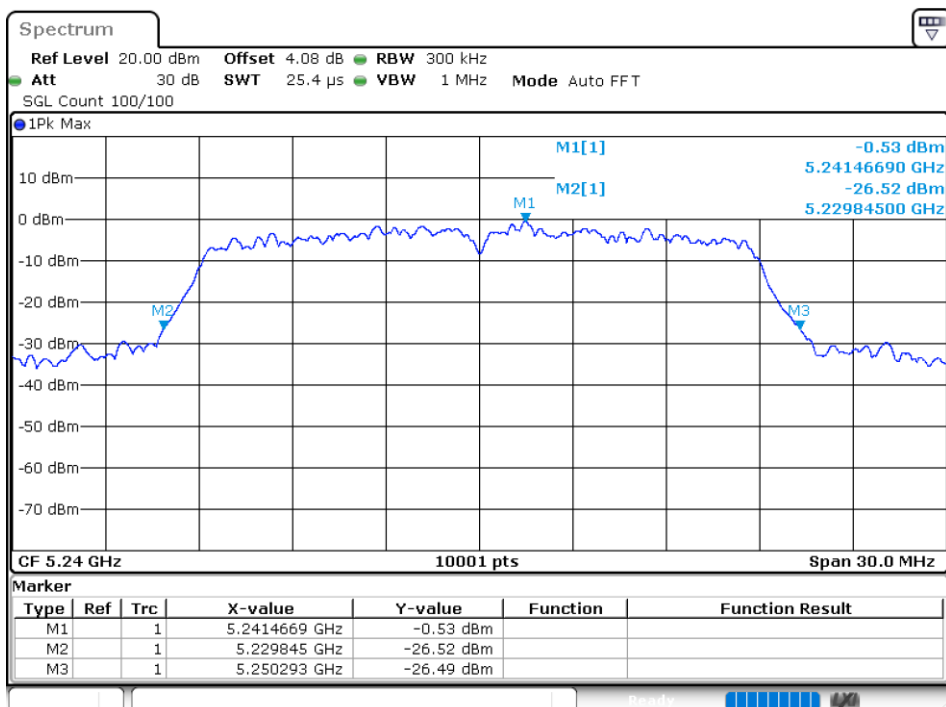
-26dB Bandwidth NVNT n20 5180MHz Ant2



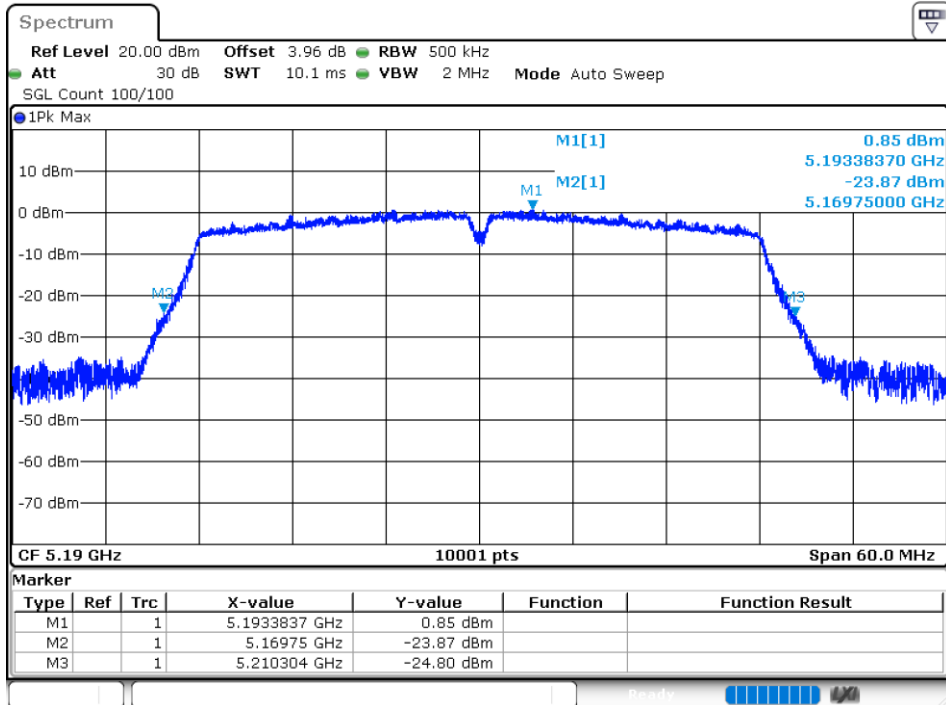
-26dB Bandwidth NVNT n20 5200MHz Ant2



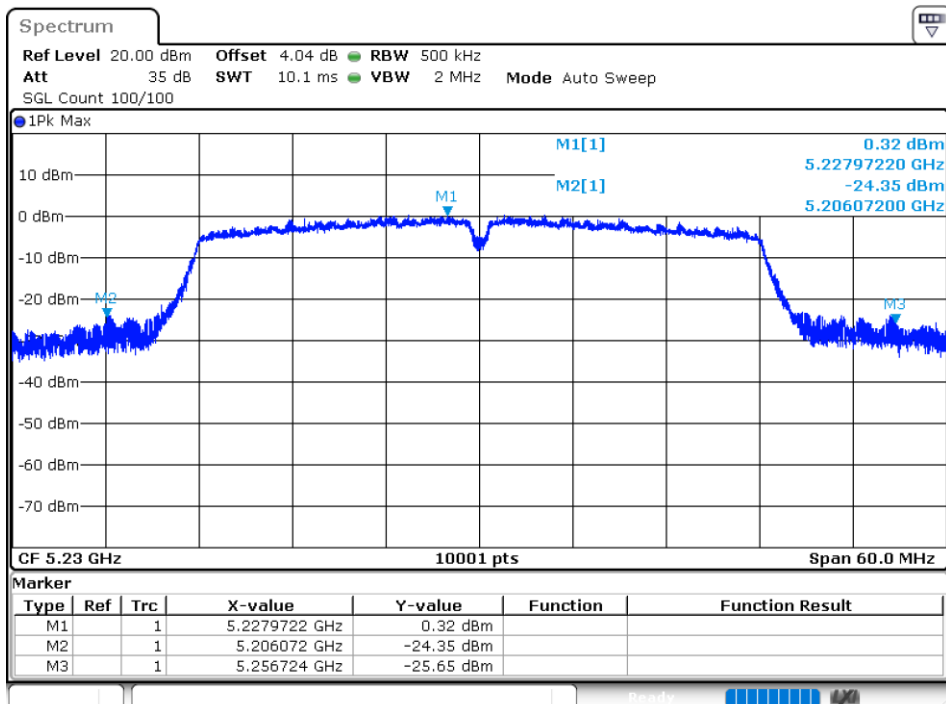
-26dB Bandwidth NVNT n20 5240MHz Ant2



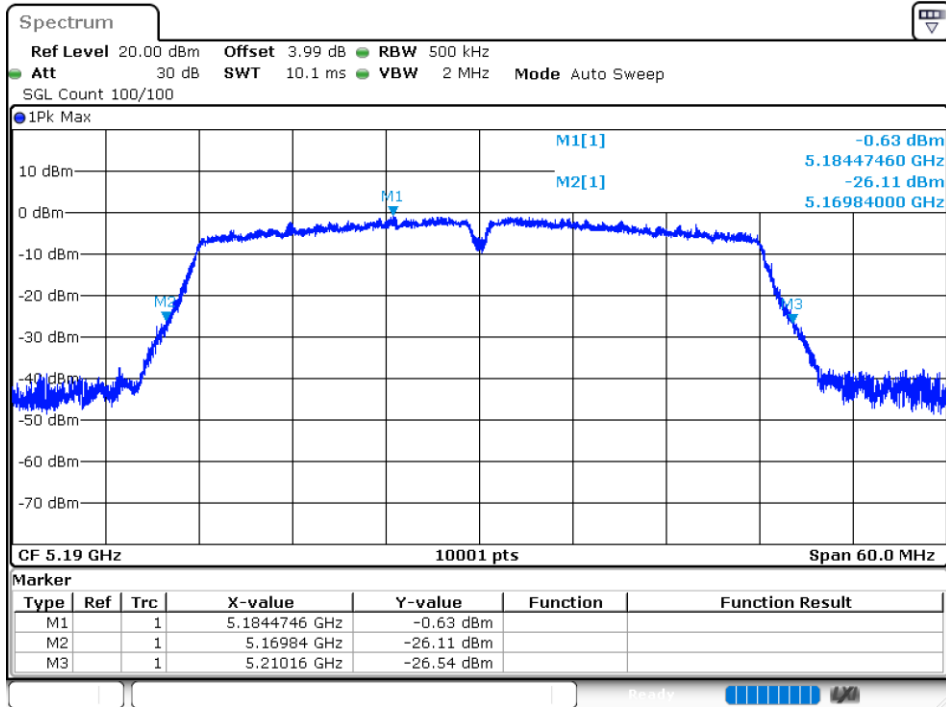
-26dB Bandwidth NVNT n40 5190MHz Ant1



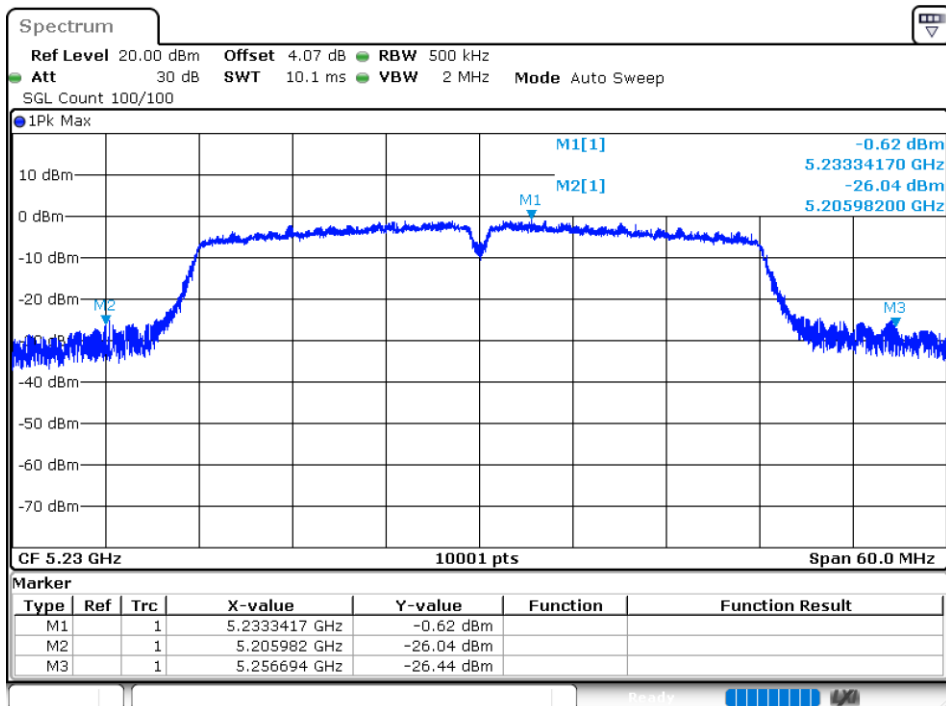
-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant2

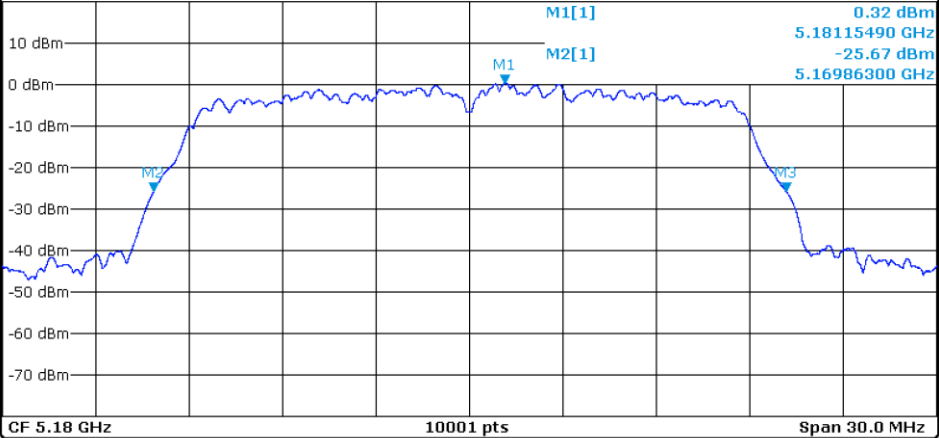


-26dB Bandwidth NVNT ac20 5180MHz Ant1

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

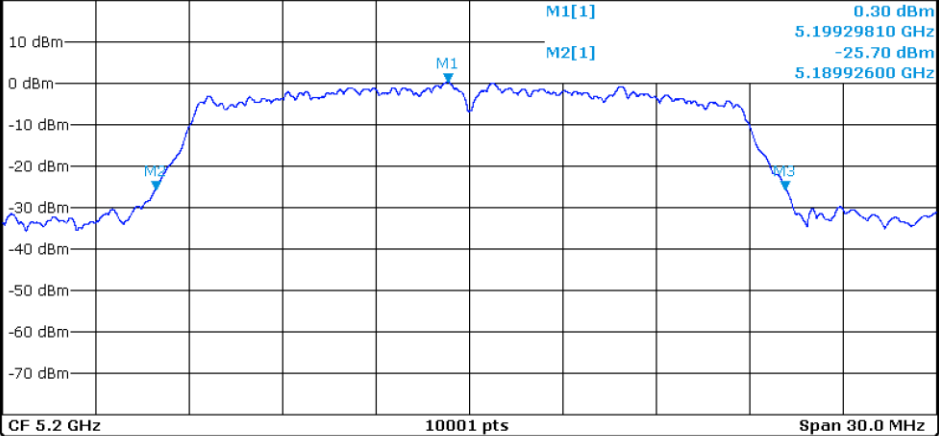
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1811549 GHz	0.32 dBm		
M2	1	1	5.169863 GHz	-25.67 dBm		
M3	1	1	5.190164 GHz	-25.67 dBm		

-26dB Bandwidth NVNT ac20 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

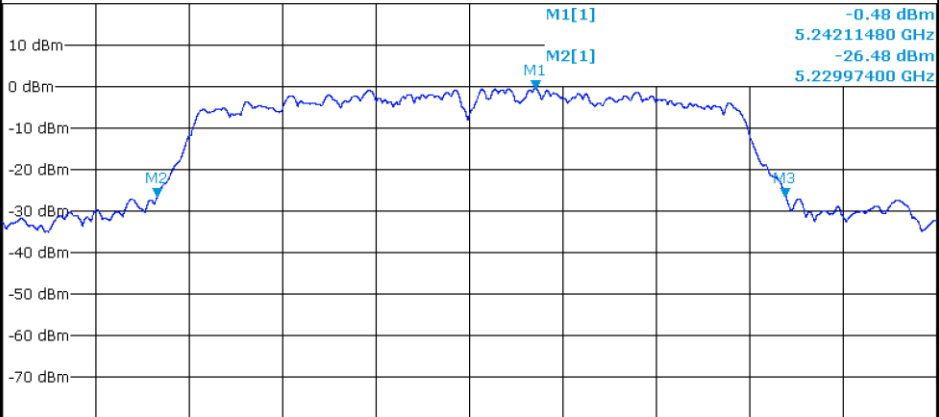
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1992981 GHz	0.30 dBm		
M2	1	1	5.189926 GHz	-25.70 dBm		
M3	1	1	5.210149 GHz	-25.69 dBm		

-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

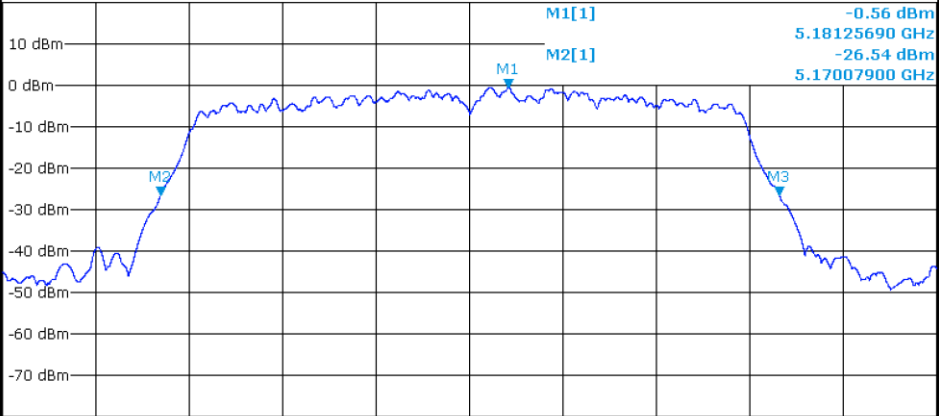
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2421148 GHz	-0.48 dBm		
M2		1	5.229974 GHz	-26.48 dBm		
M3		1	5.250149 GHz	-26.43 dBm		

-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

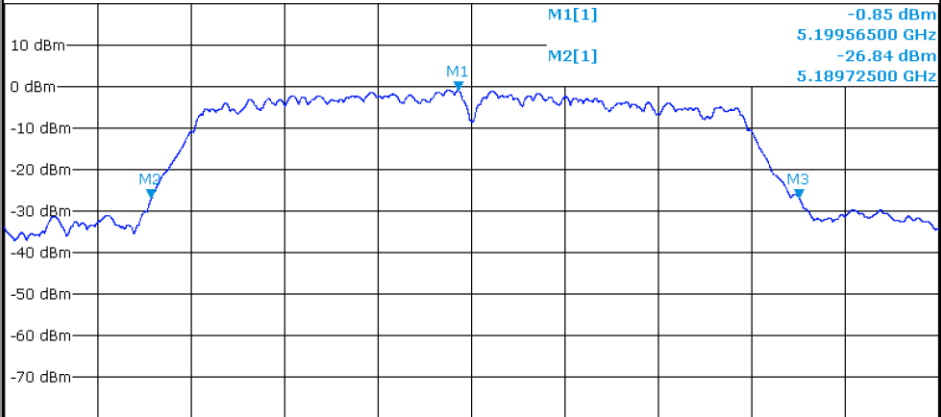
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1812569 GHz	-0.56 dBm		
M2		1	5.170079 GHz	-26.54 dBm		
M3		1	5.189954 GHz	-26.53 dBm		

-26dB Bandwidth NVNT ac20 5200MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.05 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 5.2 GHz 10001 pts Span 30.0 MHz

Marker

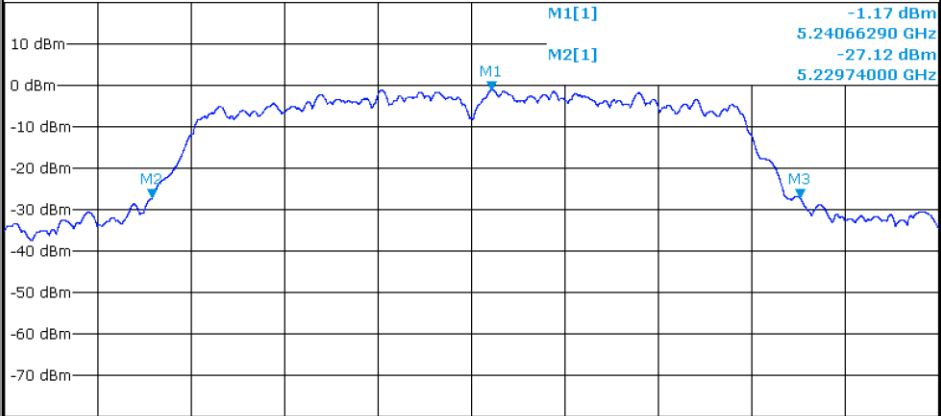
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.199565 GHz	-0.85 dBm		
M2		1	5.189725 GHz	-26.84 dBm		
M3		1	5.210509 GHz	-26.83 dBm		

-26dB Bandwidth NVNT ac20 5240MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.08 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 5.24 GHz 10001 pts Span 30.0 MHz

Marker

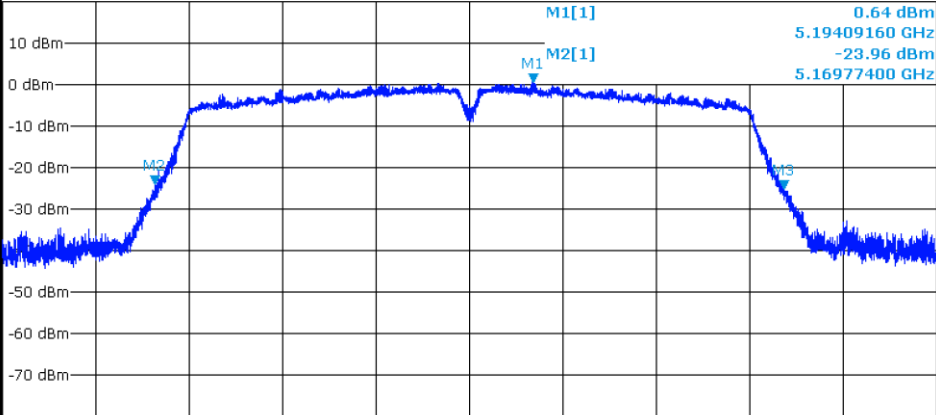
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2406629 GHz	-1.17 dBm		
M2		1	5.22974 GHz	-27.12 dBm		
M3		1	5.250545 GHz	-27.15 dBm		

-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

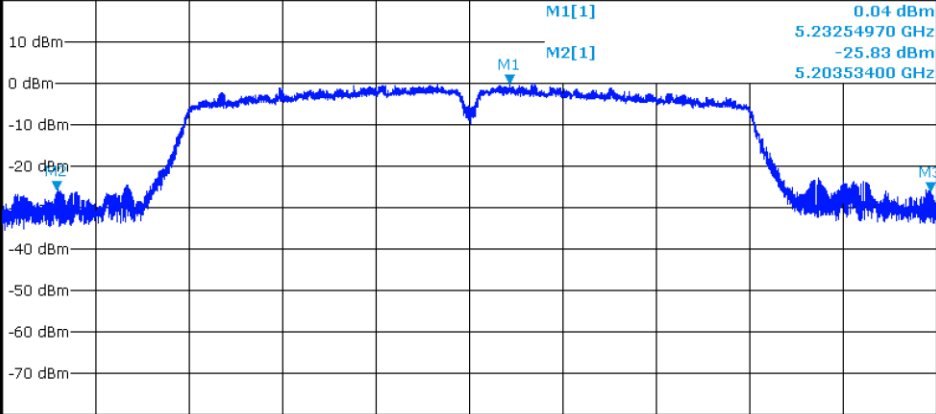
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1940916 GHz	0.64 dBm		
M2	1	1	5.169774 GHz	-23.96 dBm		
M3	1	1	5.210214 GHz	-25.15 dBm		

-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



Marker

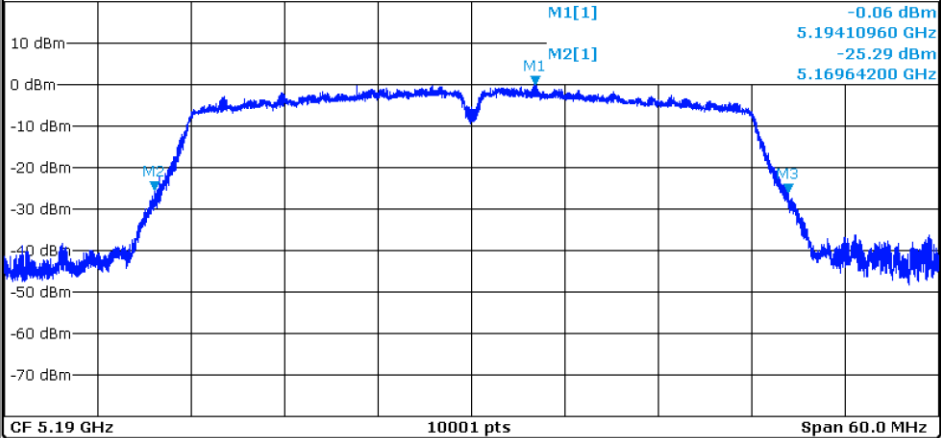
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.2325497 GHz	0.04 dBm		
M2	1	1	5.203534 GHz	-25.83 dBm		
M3	1	1	5.259616 GHz	-25.86 dBm		

-26dB Bandwidth NVNT ac40 5190MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 3.99 dB RBW 500 kHz
Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

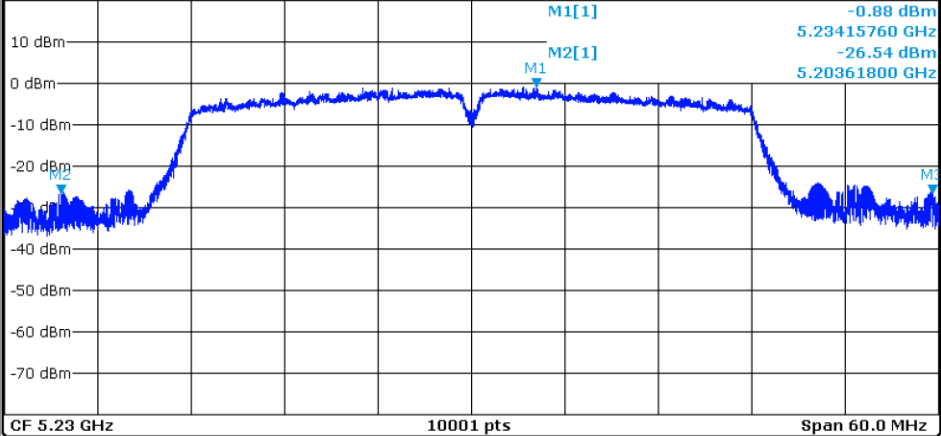
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1941096 GHz	-0.06 dBm		
M2		1	5.169642 GHz	-25.29 dBm		
M3		1	5.210328 GHz	-26.02 dBm		

-26dB Bandwidth NVNT ac40 5230MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.07 dB RBW 500 kHz
Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

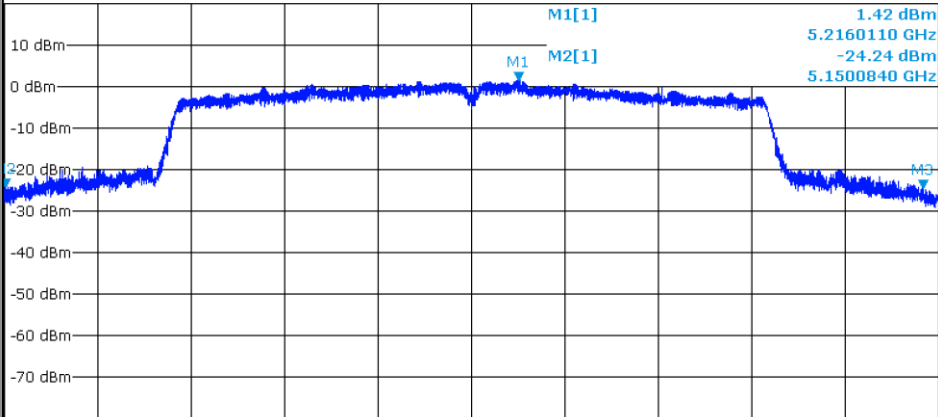
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2341576 GHz	-0.88 dBm		
M2		1	5.203618 GHz	-26.54 dBm		
M3		1	5.25961 GHz	-26.70 dBm		

-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

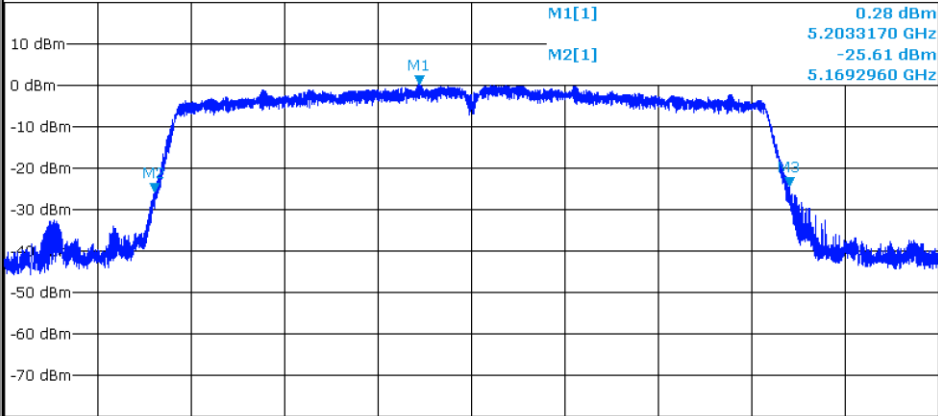
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.216011 GHz	1.42 dBm		
M2	1	1	5.150084 GHz	-24.24 dBm		
M3	1	1	5.267996 GHz	-24.45 dBm		

-26dB Bandwidth NVNT ac80 5210MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.06 dB RBW 1 MHz
Att 30 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

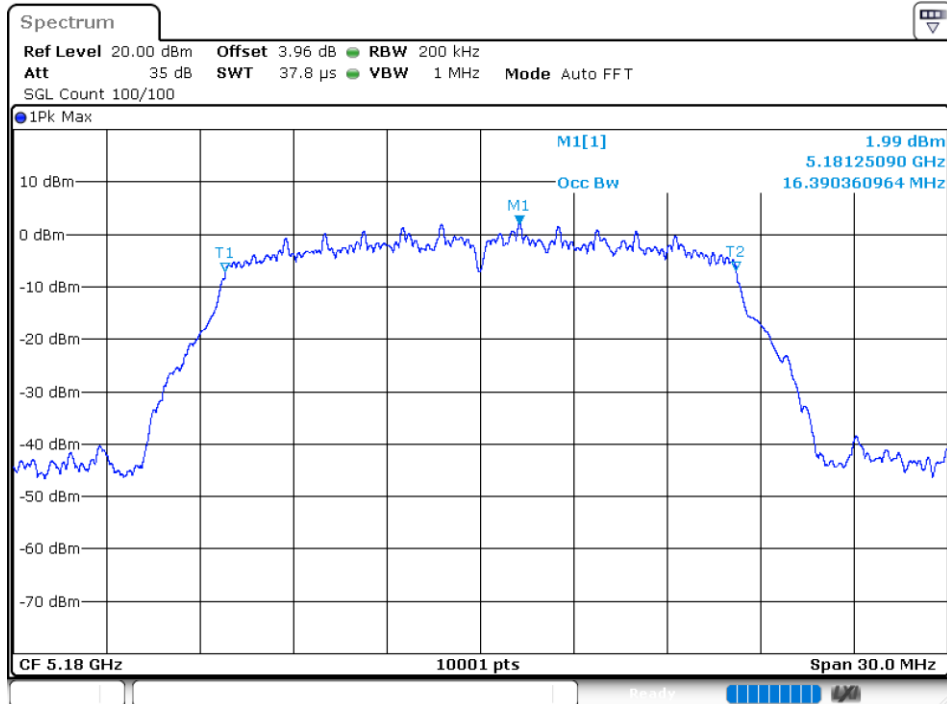
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.203317 GHz	0.28 dBm		
M2	1	1	5.169296 GHz	-25.61 dBm		
M3	1	1	5.250872 GHz	-24.42 dBm		

Occupied Channel Bandwidth

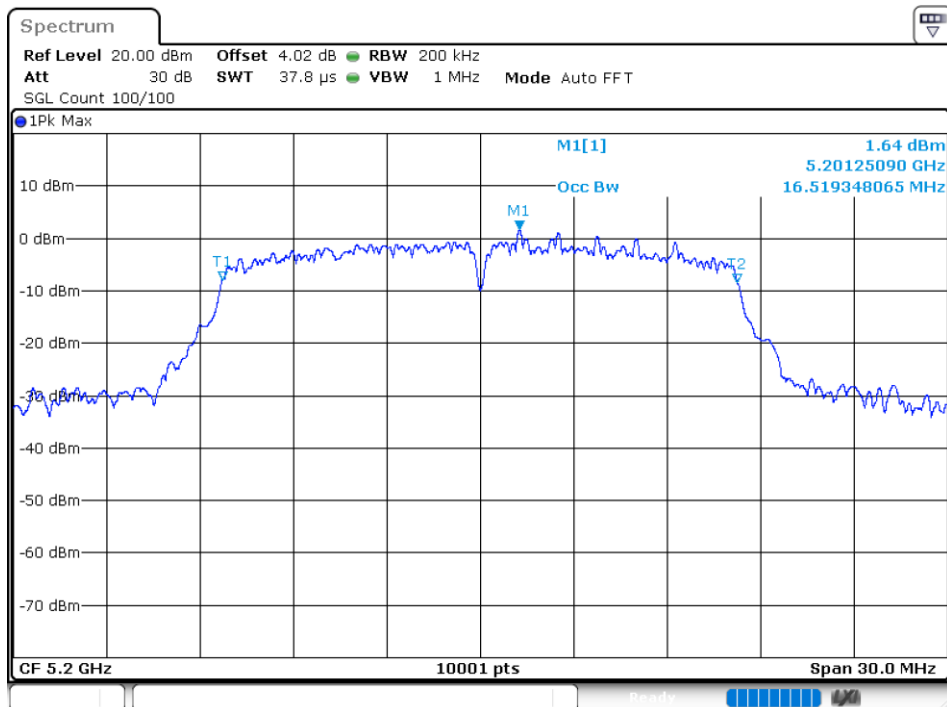
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.39
NVNT	a	5200	Ant1	16.519
NVNT	a	5240	Ant1	16.546
NVNT	a	5180	Ant2	16.45
NVNT	a	5200	Ant2	16.531
NVNT	a	5240	Ant2	16.603
NVNT	n20	5180	Ant1	17.506
NVNT	n20	5200	Ant1	17.578
NVNT	n20	5240	Ant1	17.587
NVNT	n20	5180	Ant2	17.641
NVNT	n20	5200	Ant2	17.623
NVNT	n20	5240	Ant2	17.674
NVNT	n40	5190	Ant1	35.972
NVNT	n40	5230	Ant1	36.164
NVNT	n40	5190	Ant2	35.972
NVNT	n40	5230	Ant2	36.164
NVNT	ac20	5180	Ant1	17.596
NVNT	ac20	5200	Ant1	17.632
NVNT	ac20	5240	Ant1	17.578
NVNT	ac20	5180	Ant2	17.539
NVNT	ac20	5200	Ant2	17.641
NVNT	ac20	5240	Ant2	17.647
NVNT	ac40	5190	Ant1	35.972
NVNT	ac40	5230	Ant1	36.146
NVNT	ac40	5190	Ant2	35.972
NVNT	ac40	5230	Ant2	36.158
NVNT	ac80	5210	Ant1	75.916
NVNT	ac80	5210	Ant2	75.352

Test Graphs

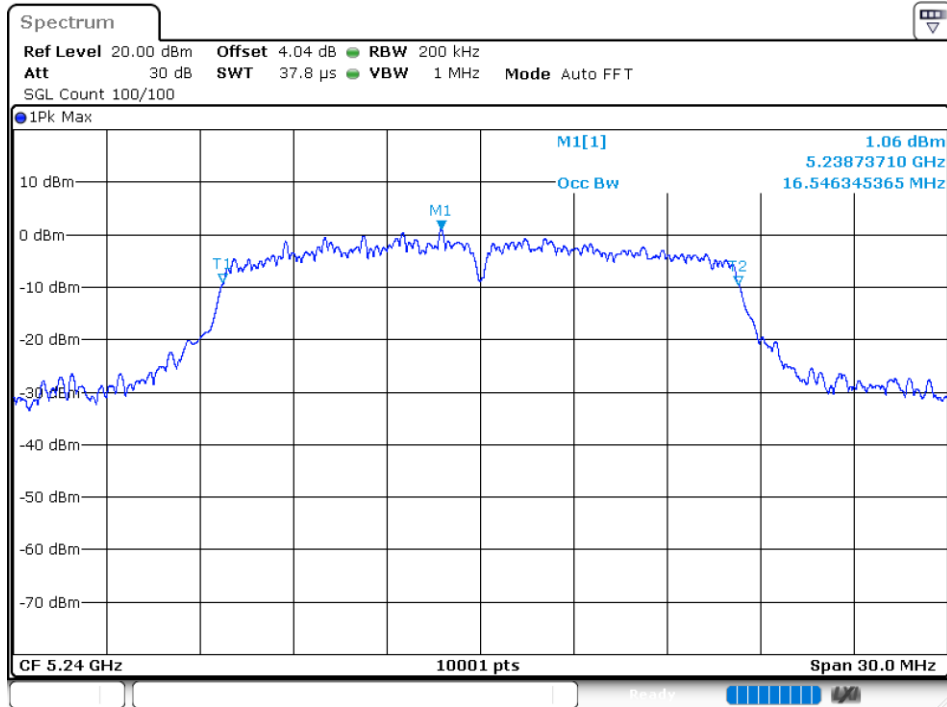
OBW NVNT a 5180MHz Ant1



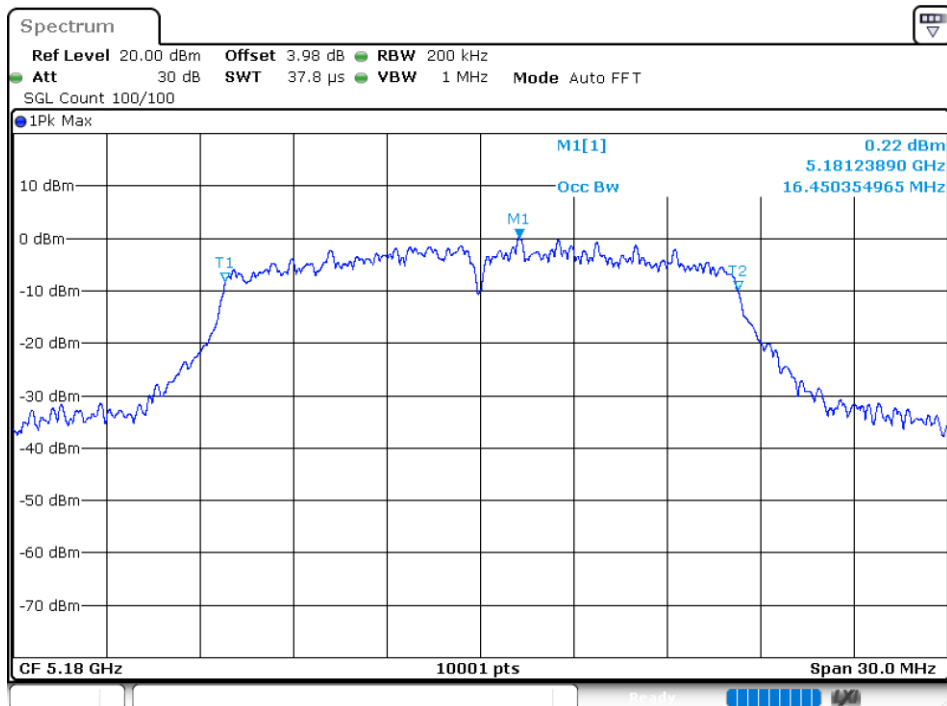
OBW NVNT a 5200MHz Ant1



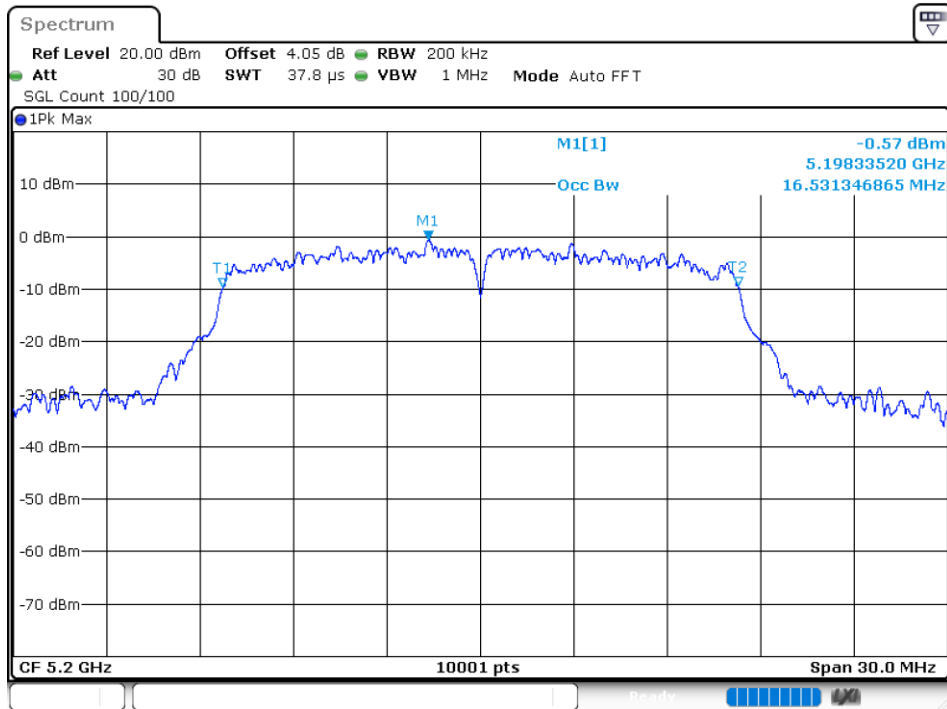
OBW NVNT a 5240MHz Ant1



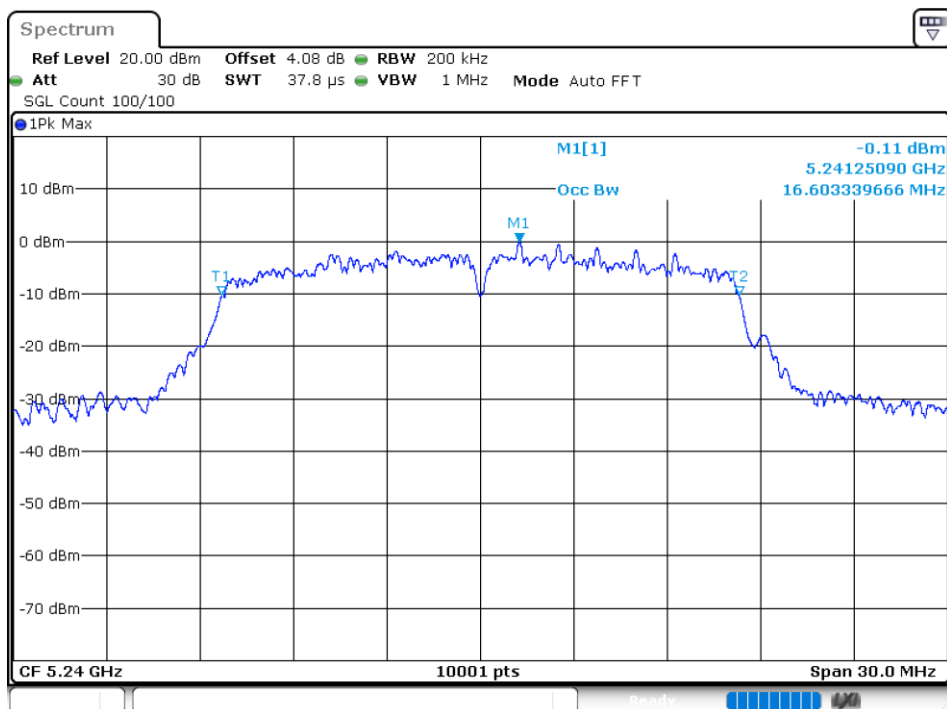
OBW NVNT a 5180MHz Ant2



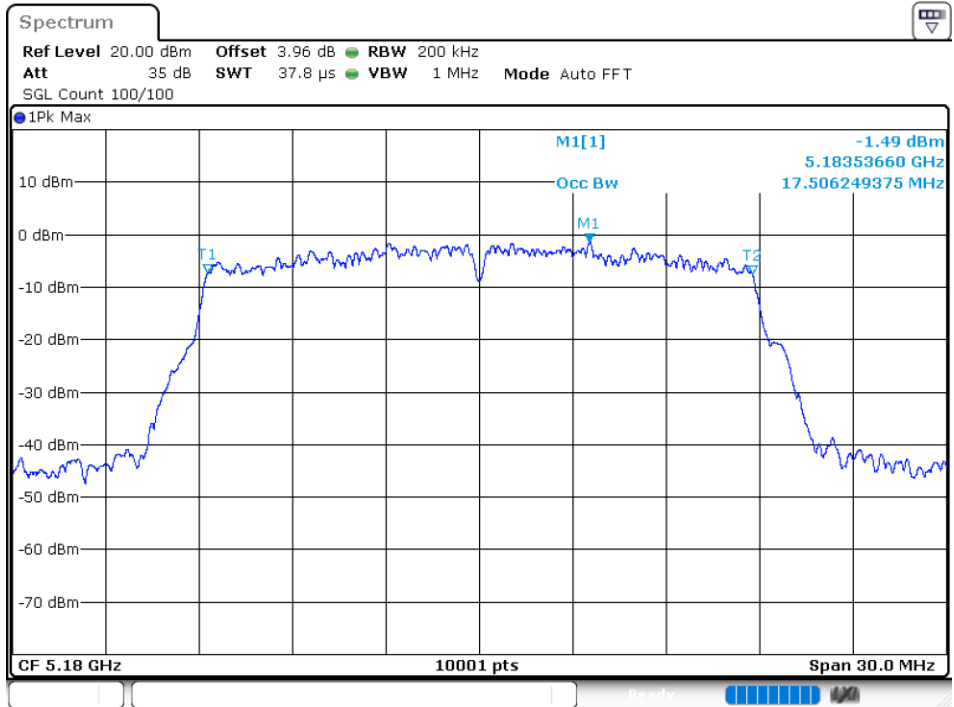
OBW NVNT a 5200MHz Ant2



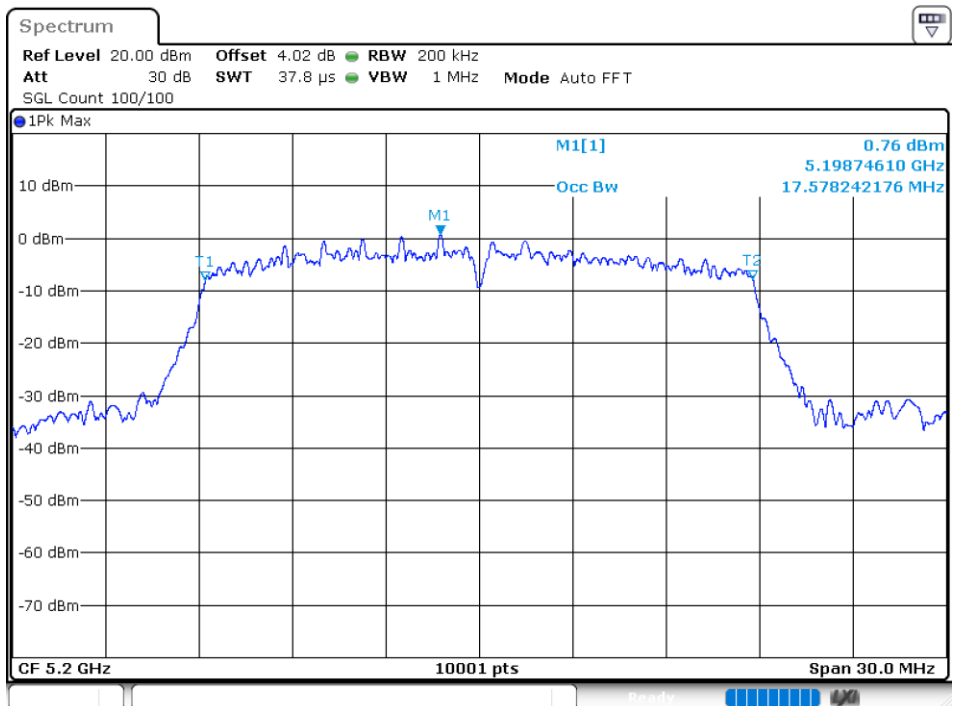
OBW NVNT a 5240MHz Ant2



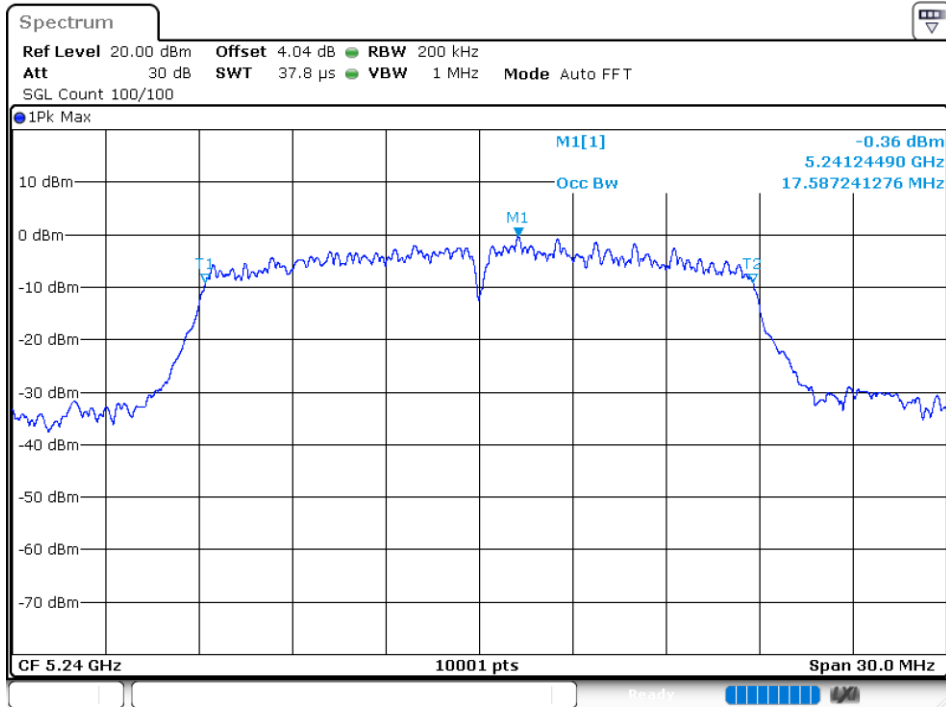
OBW NVNT n20 5180MHz Ant1



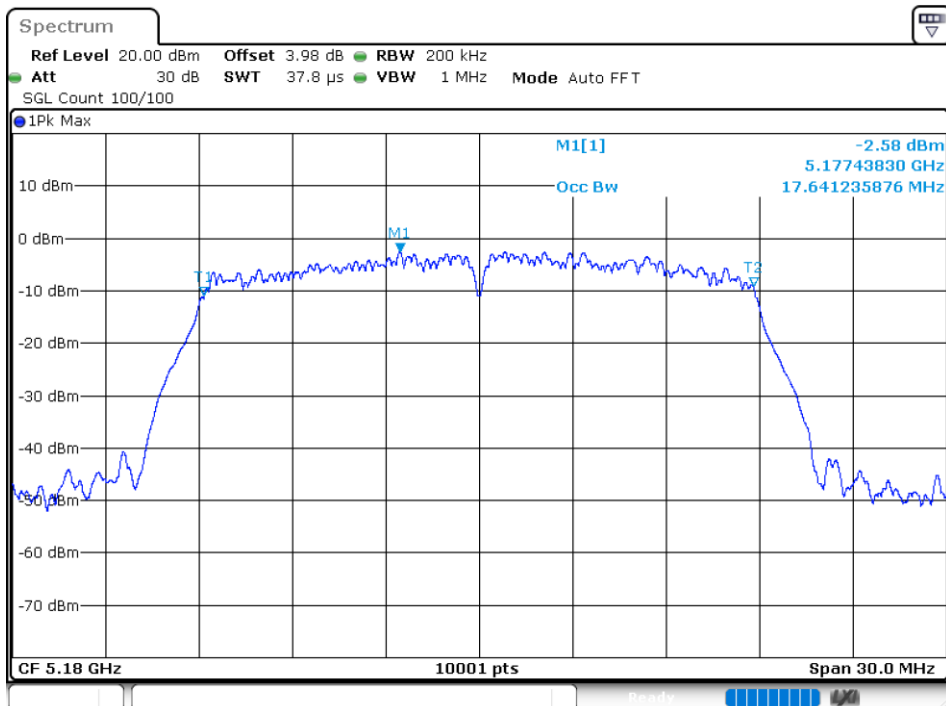
OBW NVNT n20 5200MHz Ant1



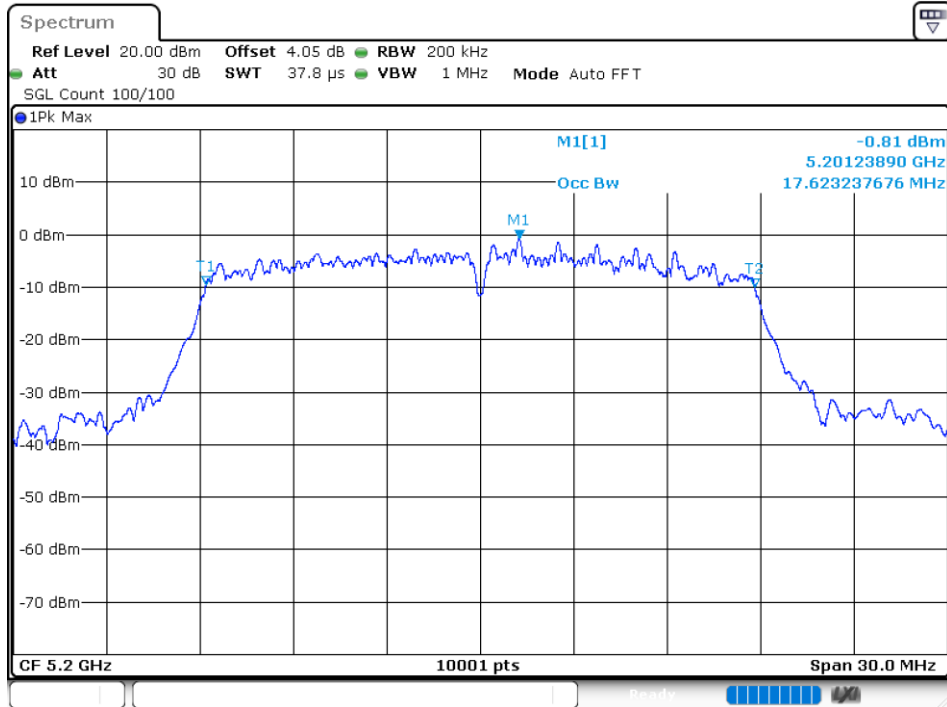
OBW NVNT n20 5240MHz Ant1



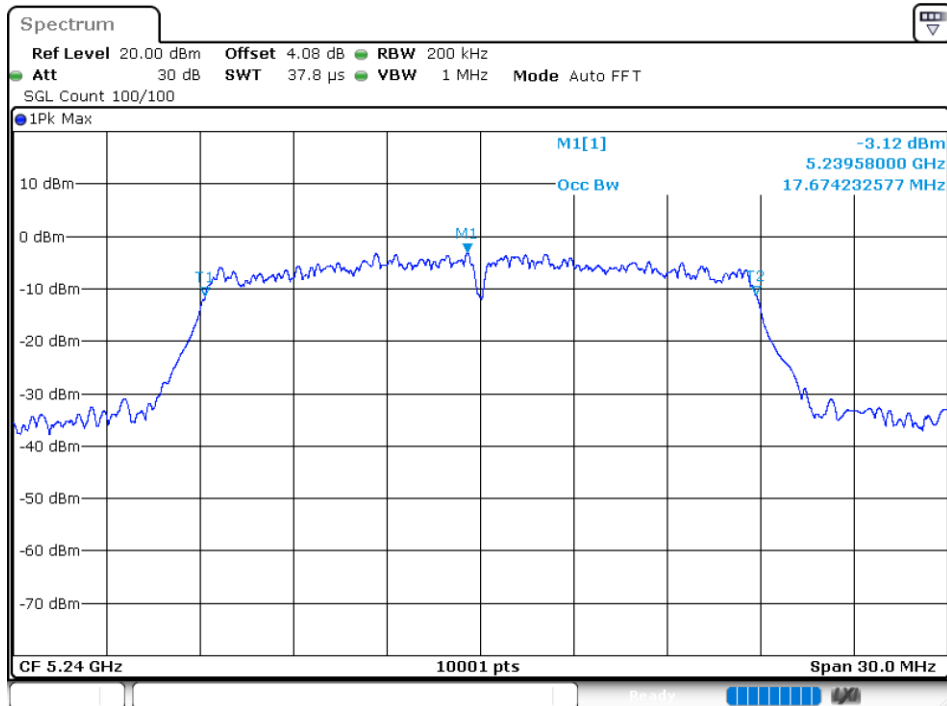
OBW NVNT n20 5180MHz Ant2



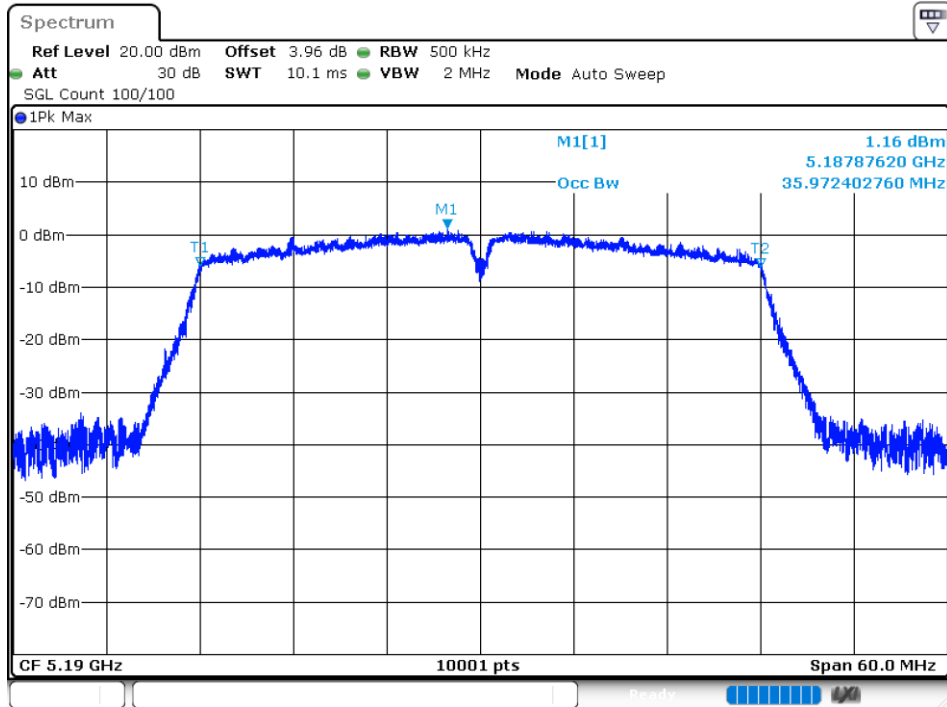
OBW NVNT n20 5200MHz Ant2



OBW NVNT n20 5240MHz Ant2



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

