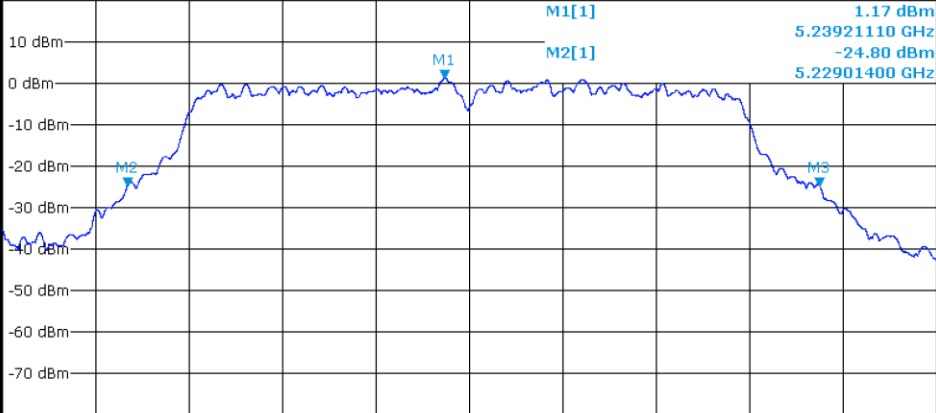


-26dB Bandwidth NVNT ac20 5240MHz Ant1

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

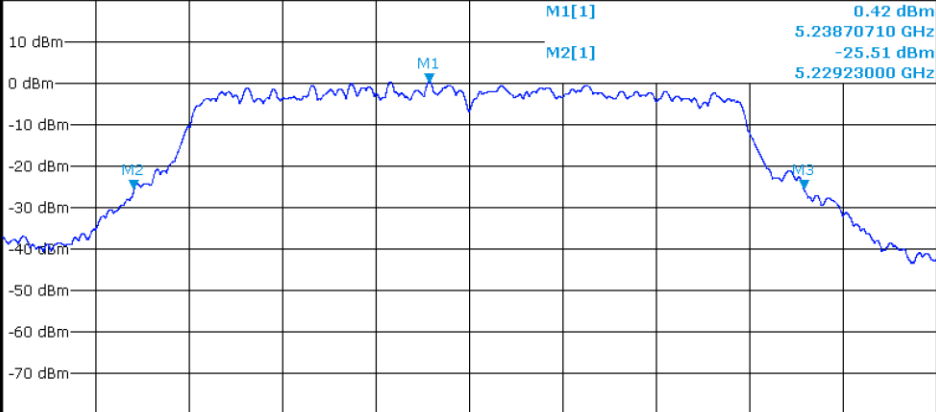
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2392111 GHz	1.17 dBm		
M2		1	5.229014 GHz	-24.80 dBm		
M3		1	5.25125 GHz	-24.84 dBm		

-26dB Bandwidth NVNT ac20 5240MHz Ant2

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

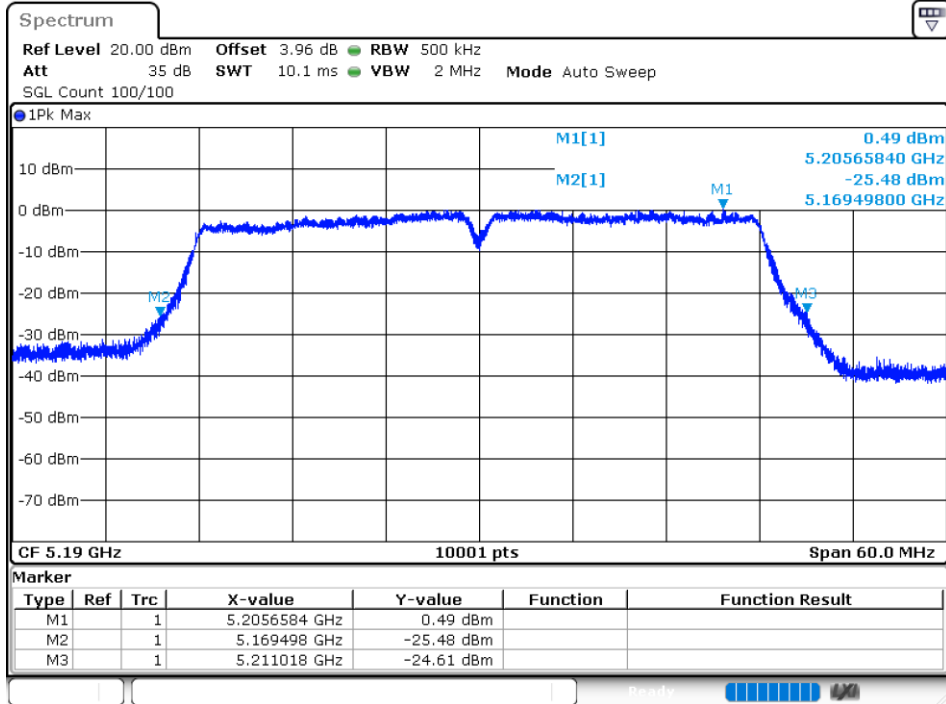


CF 5.24 GHz 10001 pts Span 30.0 MHz

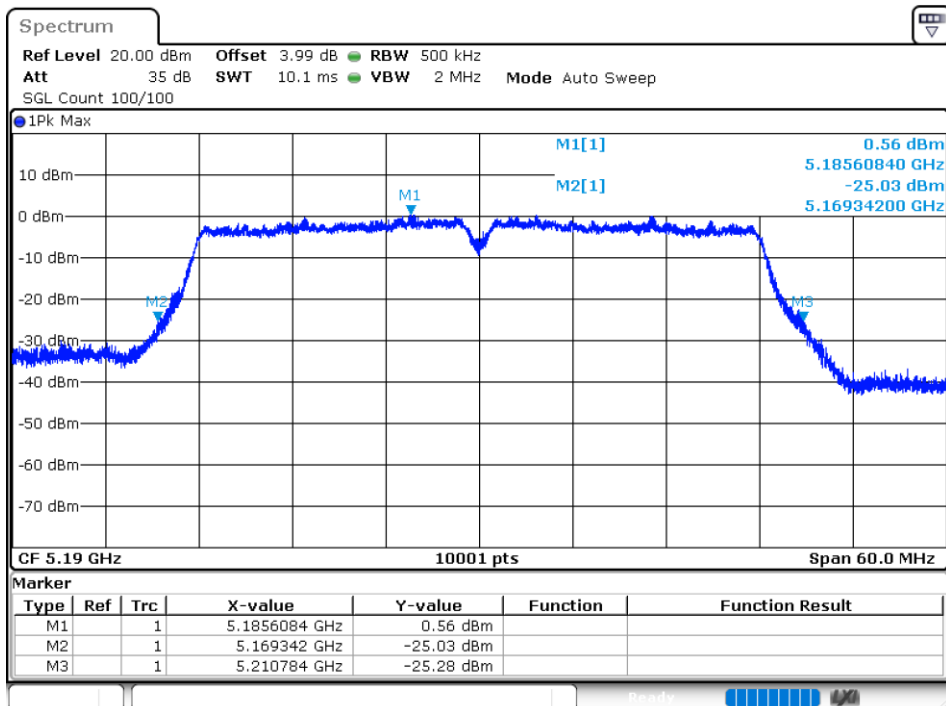
Marker

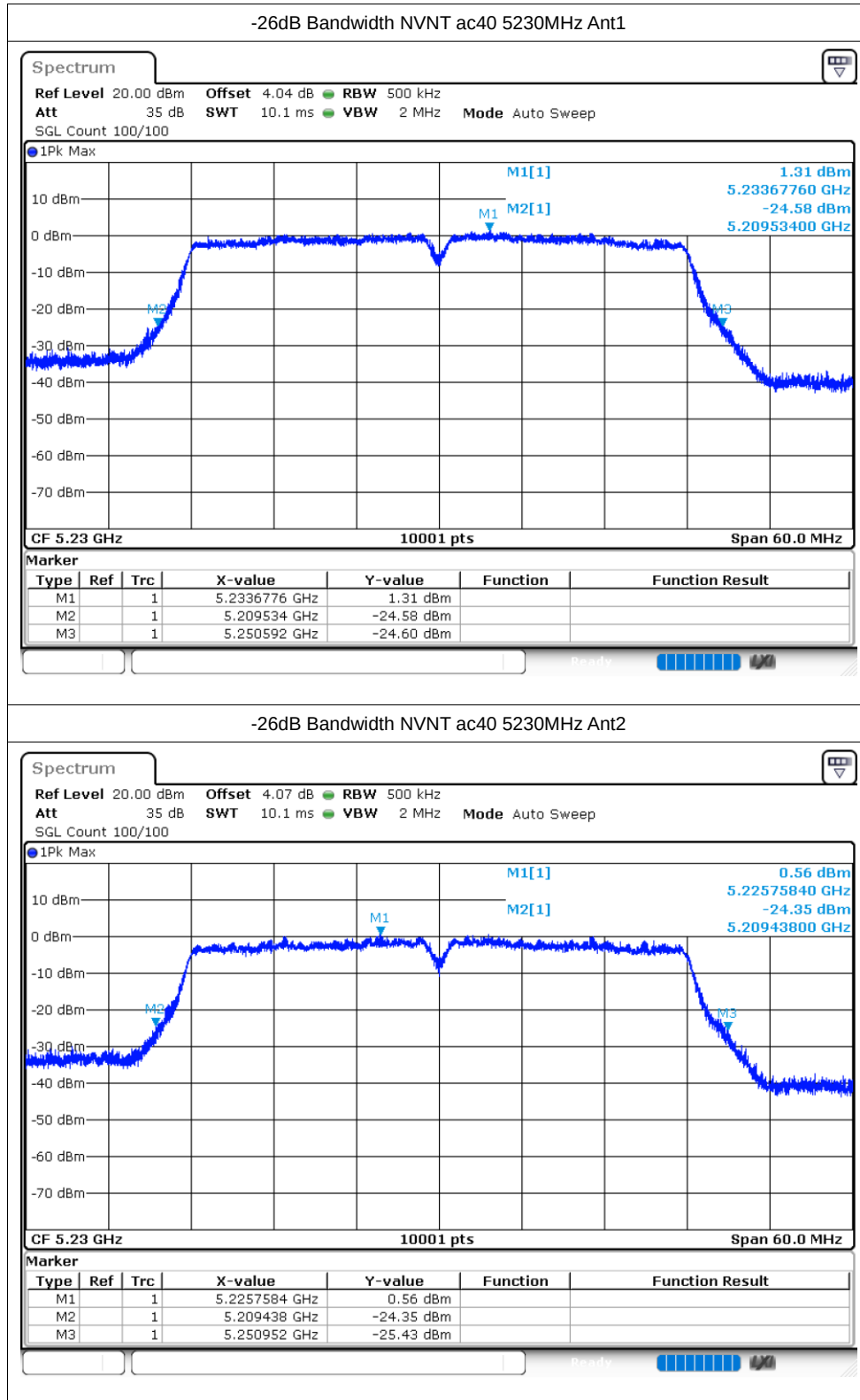
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2387071 GHz	0.42 dBm		
M2		1	5.22923 GHz	-25.51 dBm		
M3		1	5.250737 GHz	-25.56 dBm		

-26dB Bandwidth NVNT ac40 5190MHz Ant1

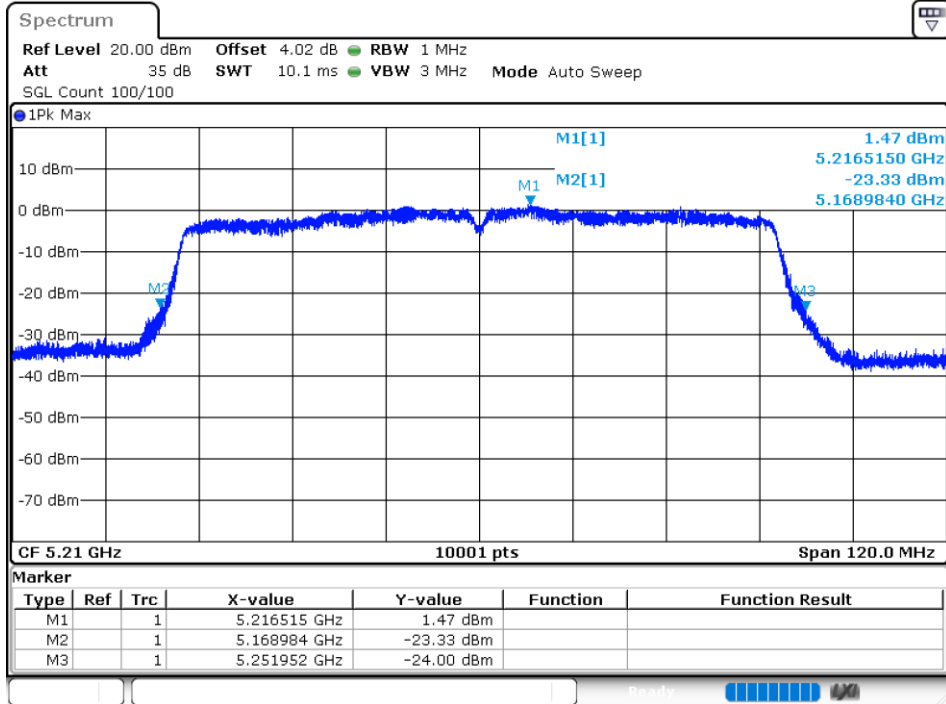


-26dB Bandwidth NVNT ac40 5190MHz Ant2

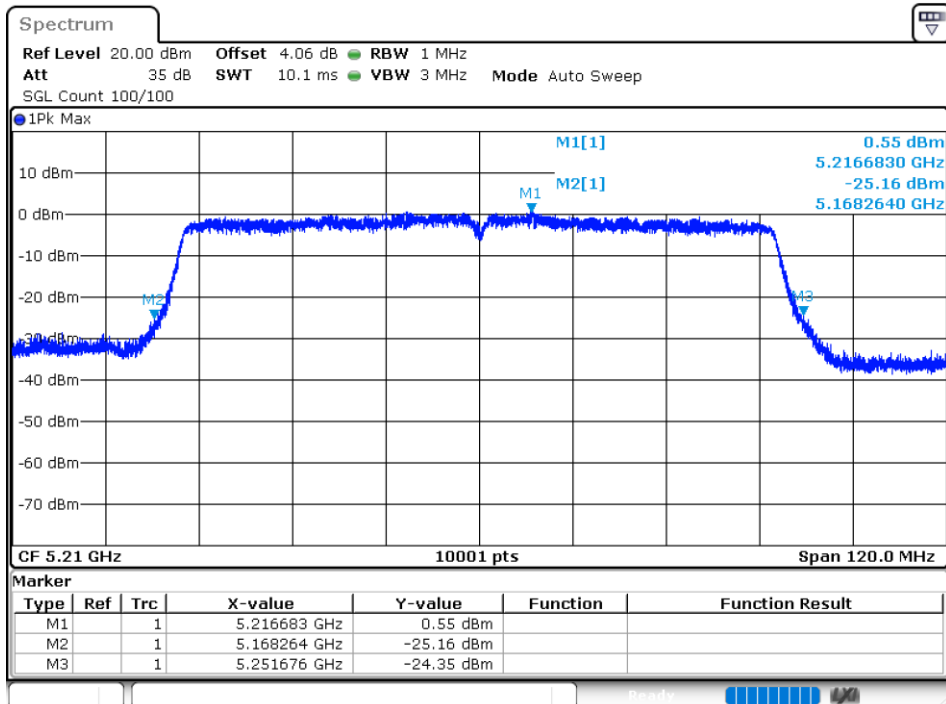




-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant2

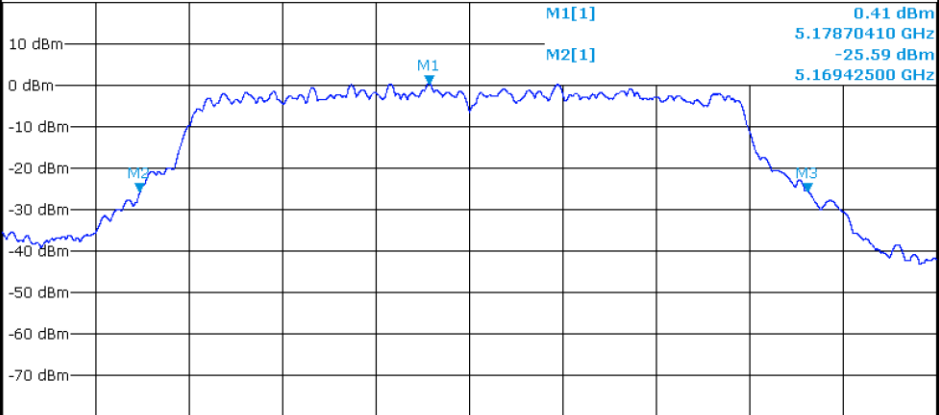


-26dB Bandwidth NVNT n20 5180MHz Ant1

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



CF 5.18 GHz 10001 pts Span 30.0 MHz

Marker

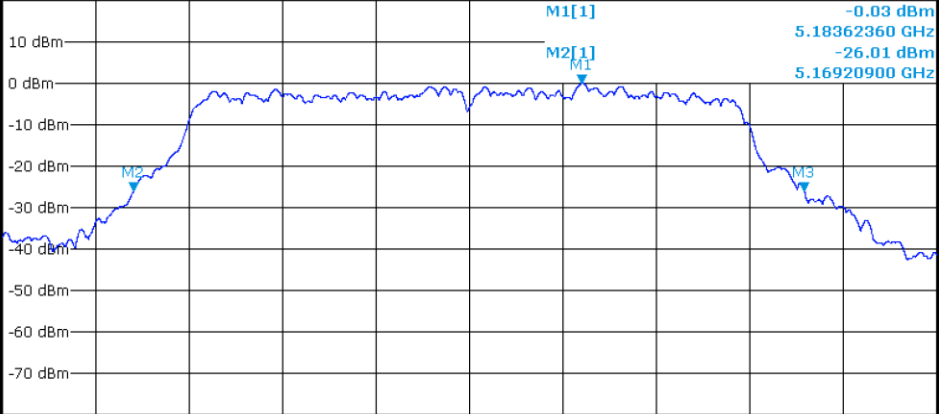
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1787041 GHz	0.41 dBm		
M2	1	1	5.169425 GHz	-25.59 dBm		
M3	1	1	5.190851 GHz	-25.59 dBm		

-26dB Bandwidth NVNT n20 5180MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 3.98 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

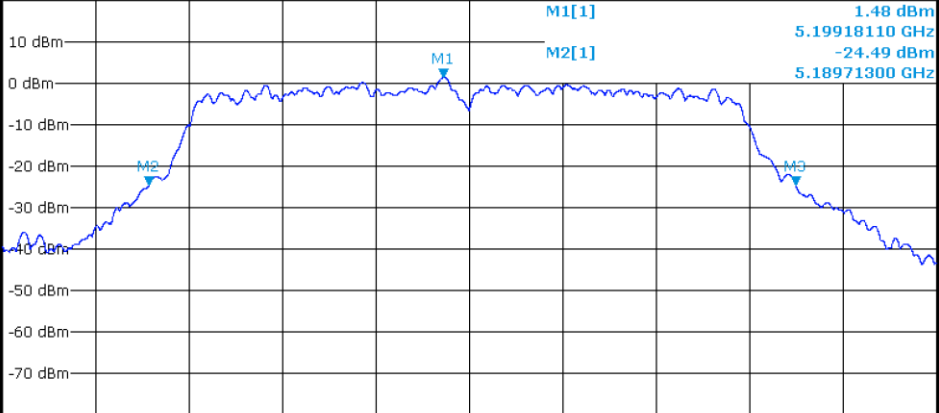
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.1836236 GHz	-0.03 dBm		
M2	1	1	5.169209 GHz	-26.01 dBm		
M3	1	1	5.190755 GHz	-25.99 dBm		

-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

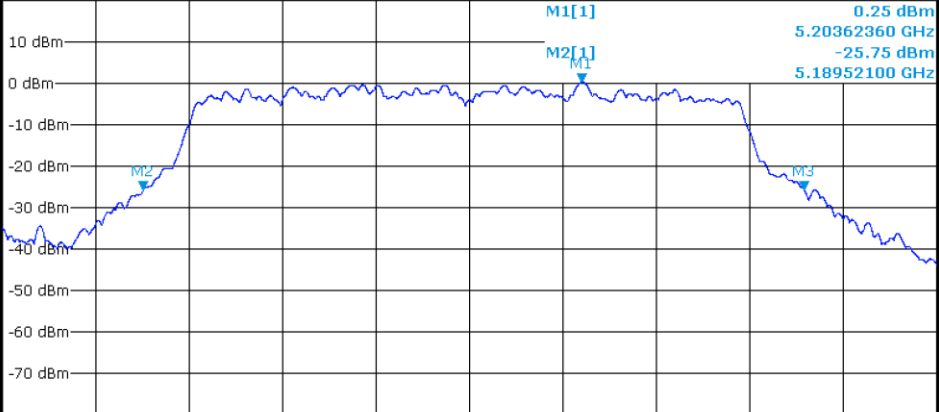
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1991811 GHz	1.48 dBm		
M2		1	5.189713 GHz	-24.49 dBm		
M3		1	5.21047 GHz	-24.48 dBm		

-26dB Bandwidth NVNT n20 5200MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.05 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

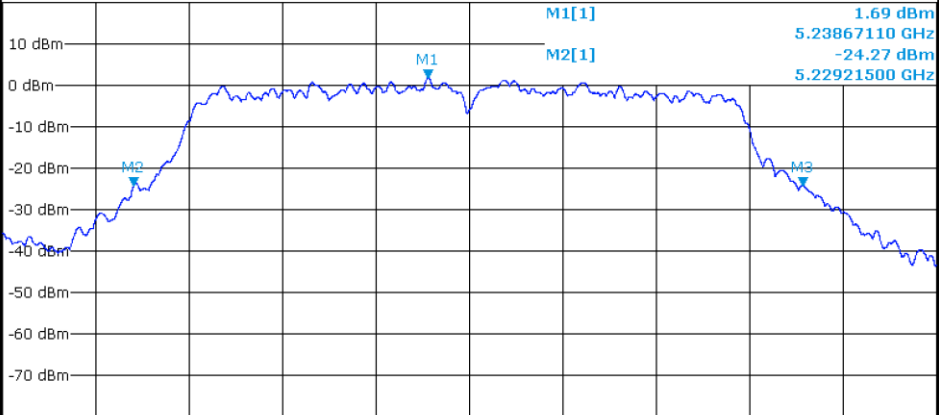
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2036236 GHz	0.25 dBm		
M2		1	5.189521 GHz	-25.75 dBm		
M3		1	5.210743 GHz	-25.75 dBm		

-26dB Bandwidth NVNT n20 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



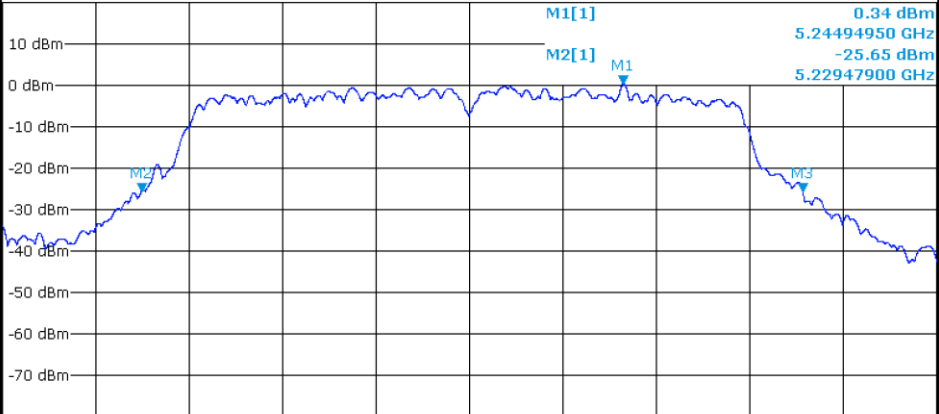
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2386711 GHz	1.69 dBm		
M2		1	5.229215 GHz	-24.27 dBm		
M3		1	5.250695 GHz	-24.31 dBm		

-26dB Bandwidth NVNT n20 5240MHz Ant2

Spectrum

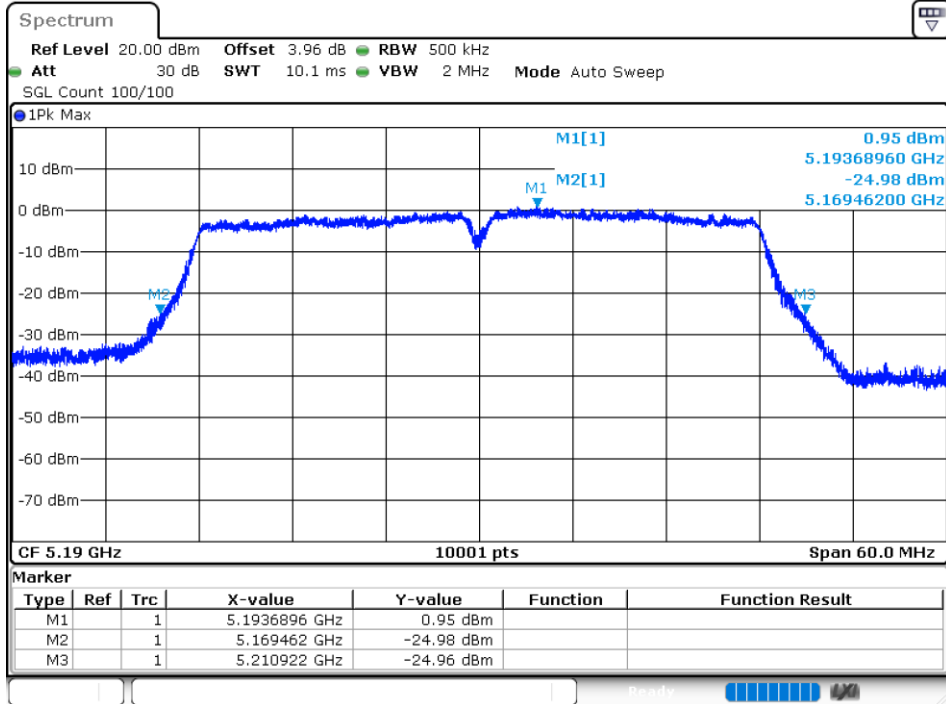
Ref Level 20.00 dBm Offset 4.08 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

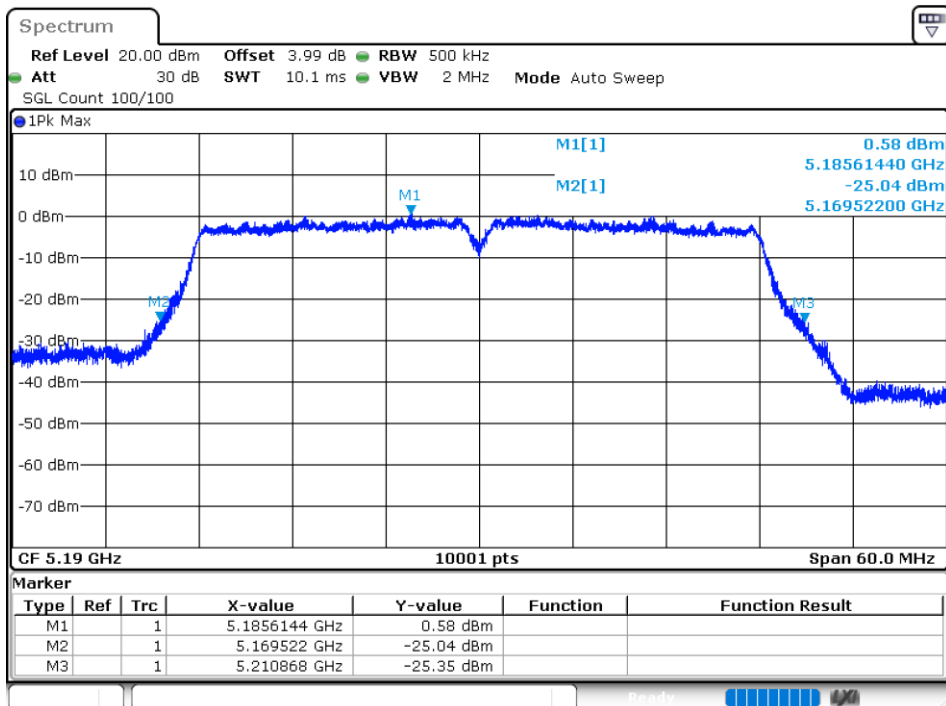


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2449495 GHz	0.34 dBm		
M2		1	5.229479 GHz	-25.65 dBm		
M3		1	5.250695 GHz	-25.61 dBm		

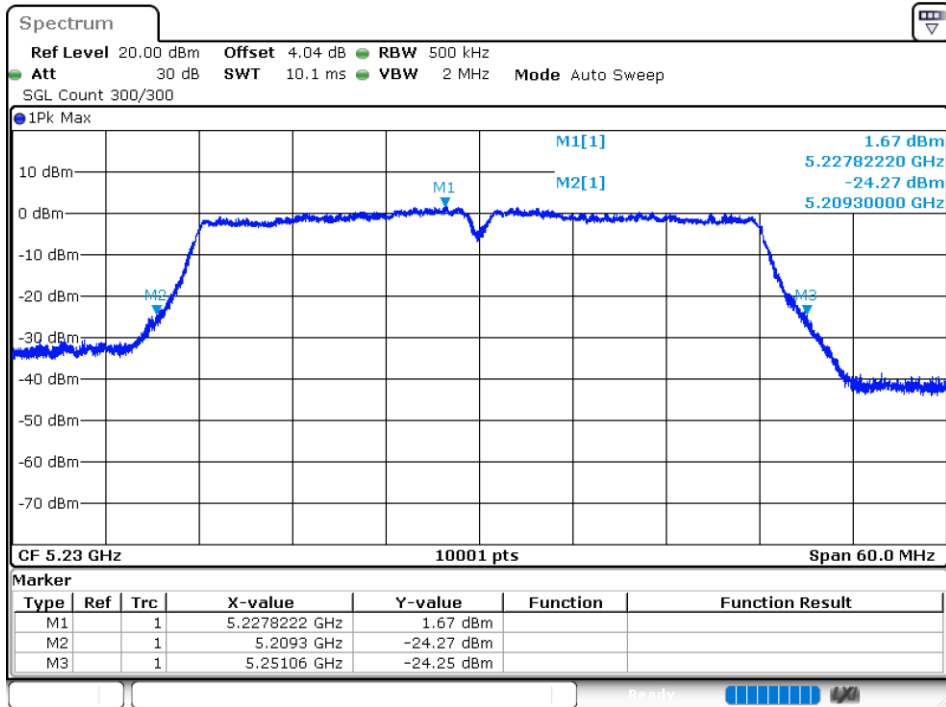
-26dB Bandwidth NVNT n40 5190MHz Ant1



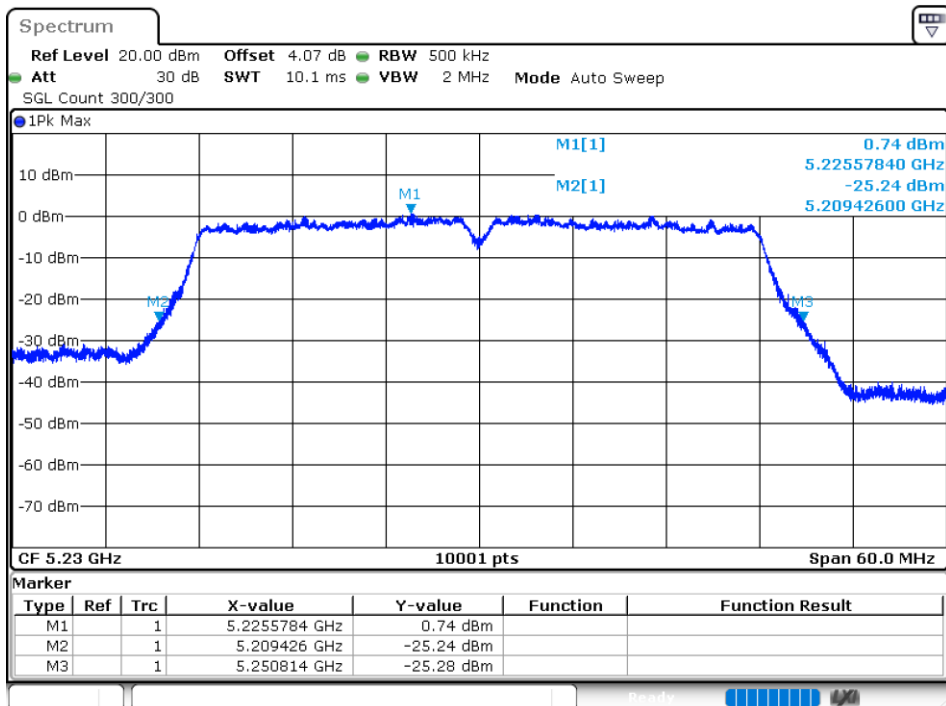
-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant2



Occupied Channel Bandwidth

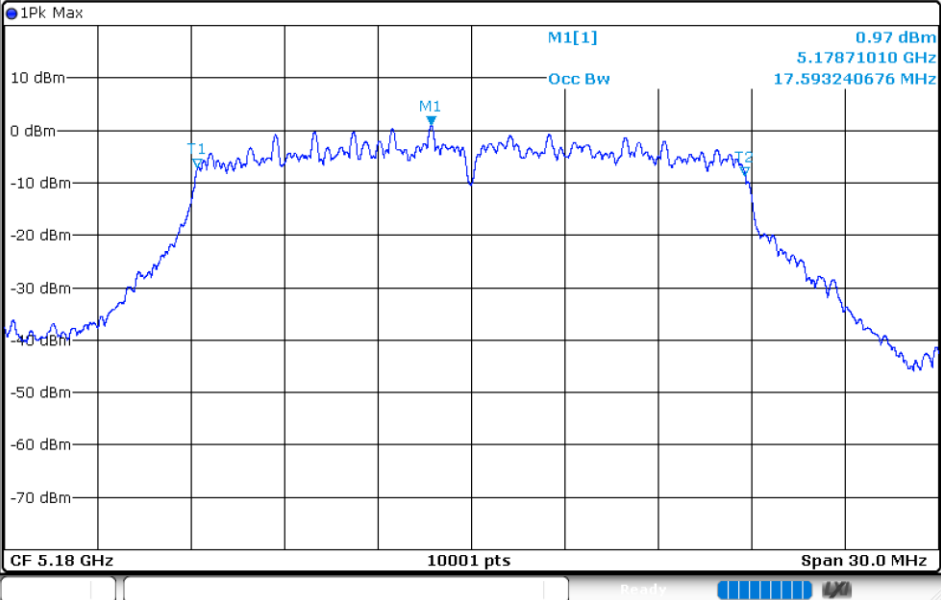
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac20	5180	Ant1	17.593
NVNT	ac20	5180	Ant2	17.56
NVNT	ac20	5200	Ant1	17.638
NVNT	ac20	5200	Ant2	17.641
NVNT	ac20	5240	Ant1	17.728
NVNT	ac20	5240	Ant2	17.623
NVNT	ac40	5190	Ant1	36.212
NVNT	ac40	5190	Ant2	36.2
NVNT	ac40	5230	Ant1	36.134
NVNT	ac40	5230	Ant2	36.182
NVNT	ac80	5210	Ant1	75.448
NVNT	ac80	5210	Ant2	75.652
NVNT	n20	5180	Ant1	17.701
NVNT	n20	5180	Ant2	17.662
NVNT	n20	5200	Ant1	17.581
NVNT	n20	5200	Ant2	17.599
NVNT	n20	5240	Ant1	17.635
NVNT	n20	5240	Ant2	17.644
NVNT	n40	5190	Ant1	36.17
NVNT	n40	5190	Ant2	36.2
NVNT	n40	5230	Ant1	36.254
NVNT	n40	5230	Ant2	36.2

Test Graphs

OBW NVNT ac20 5180MHz Ant1

Spectrum

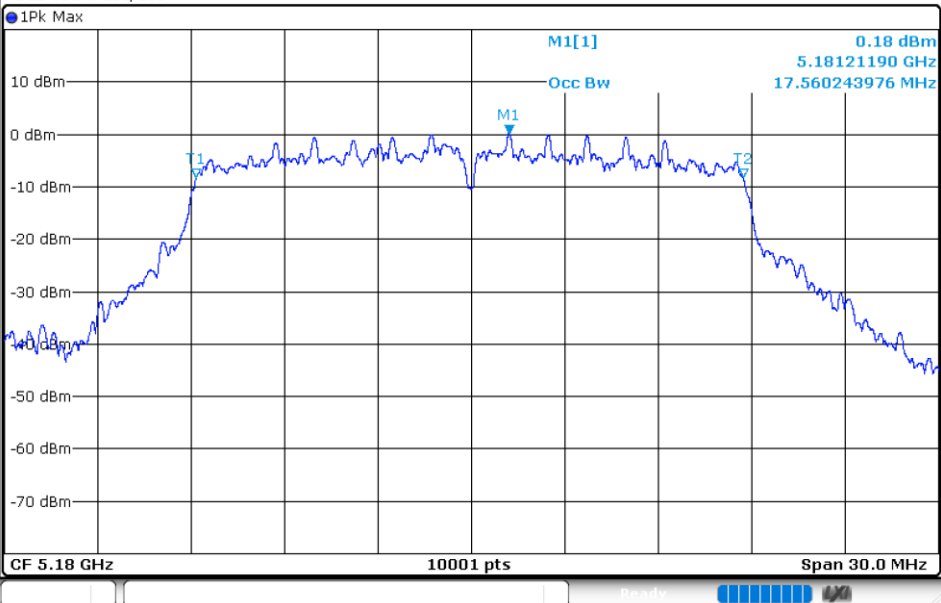
Ref Level 20.00 dBm Offset 3.96 dB RBW 200 kHz
Att 35 dB SWT 37.8 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100



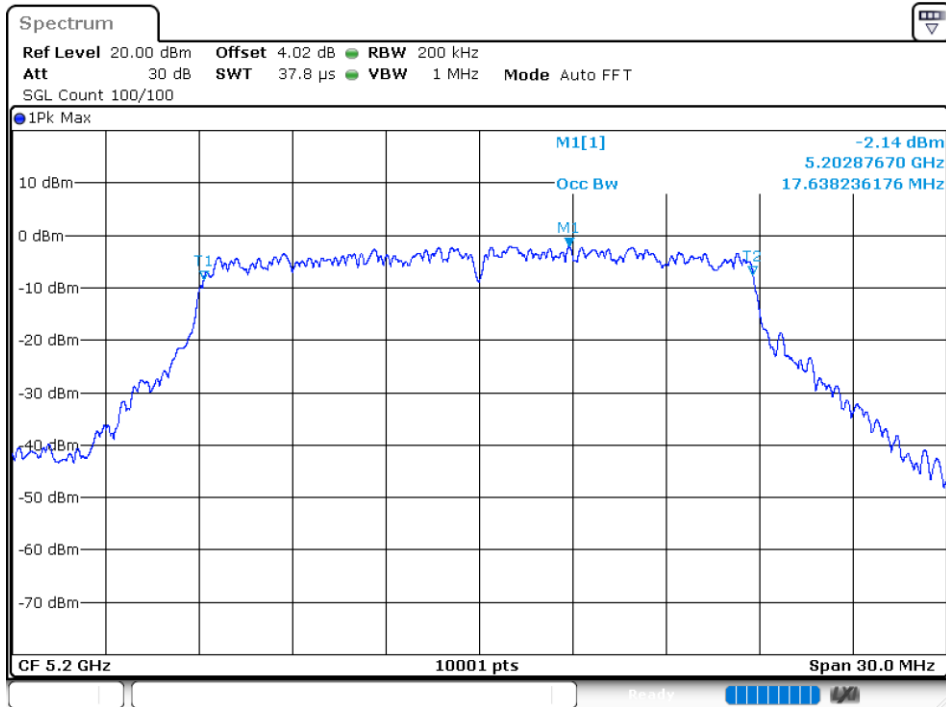
OBW NVNT ac20 5180MHz Ant2

Spectrum

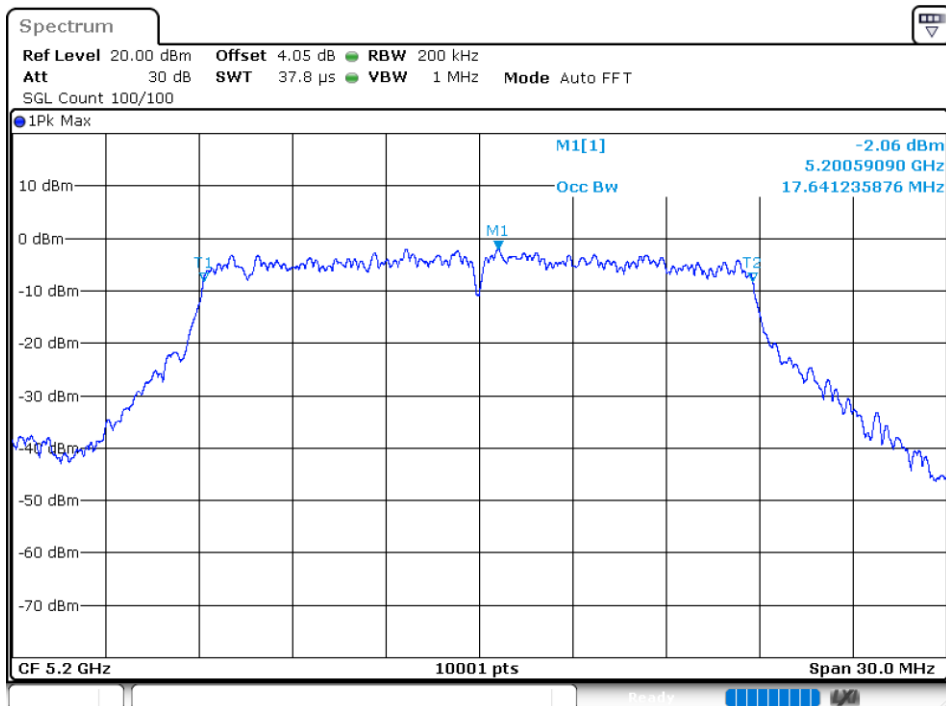
Ref Level 20.00 dBm Offset 3.98 dB RBW 200 kHz
Att 35 dB SWT 37.8 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100



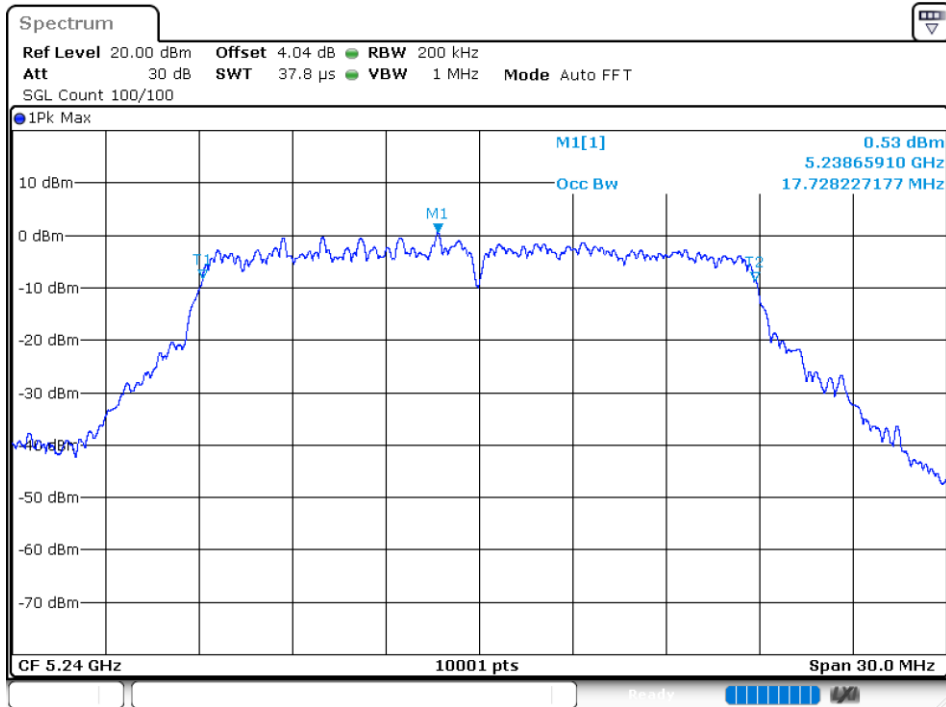
OBW NVNT ac20 5200MHz Ant1



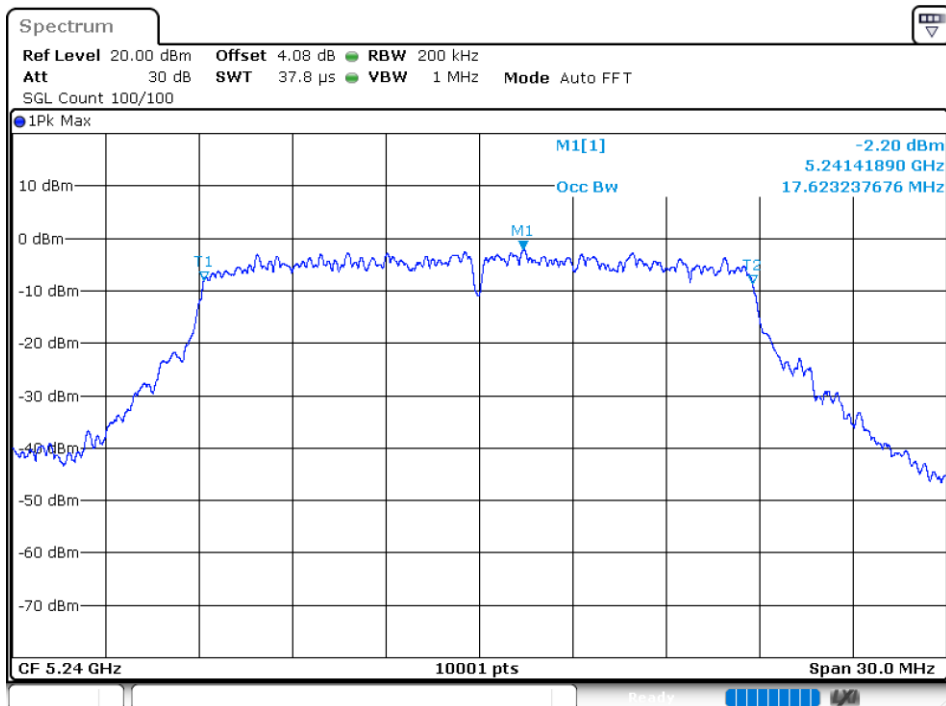
OBW NVNT ac20 5200MHz Ant2

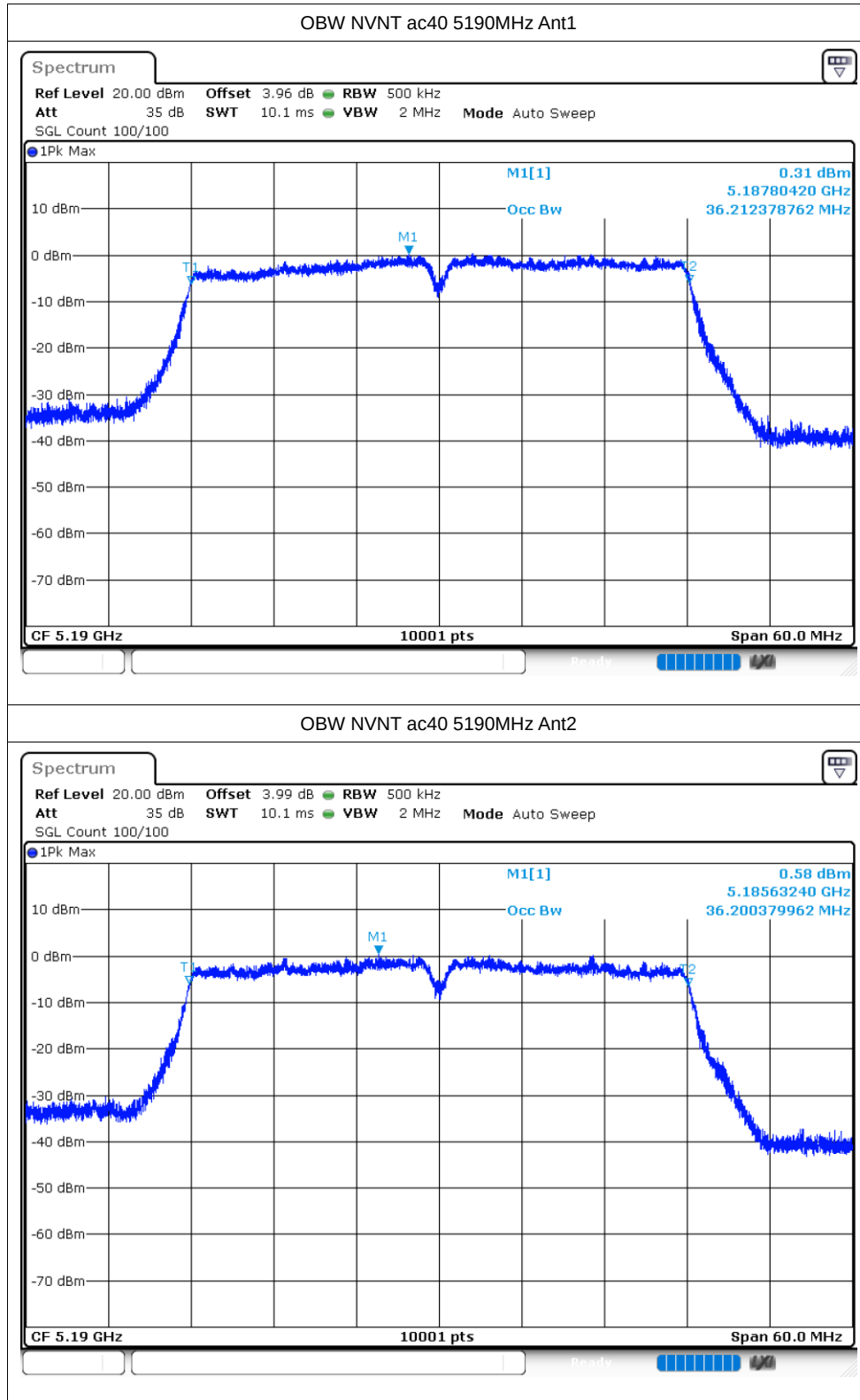


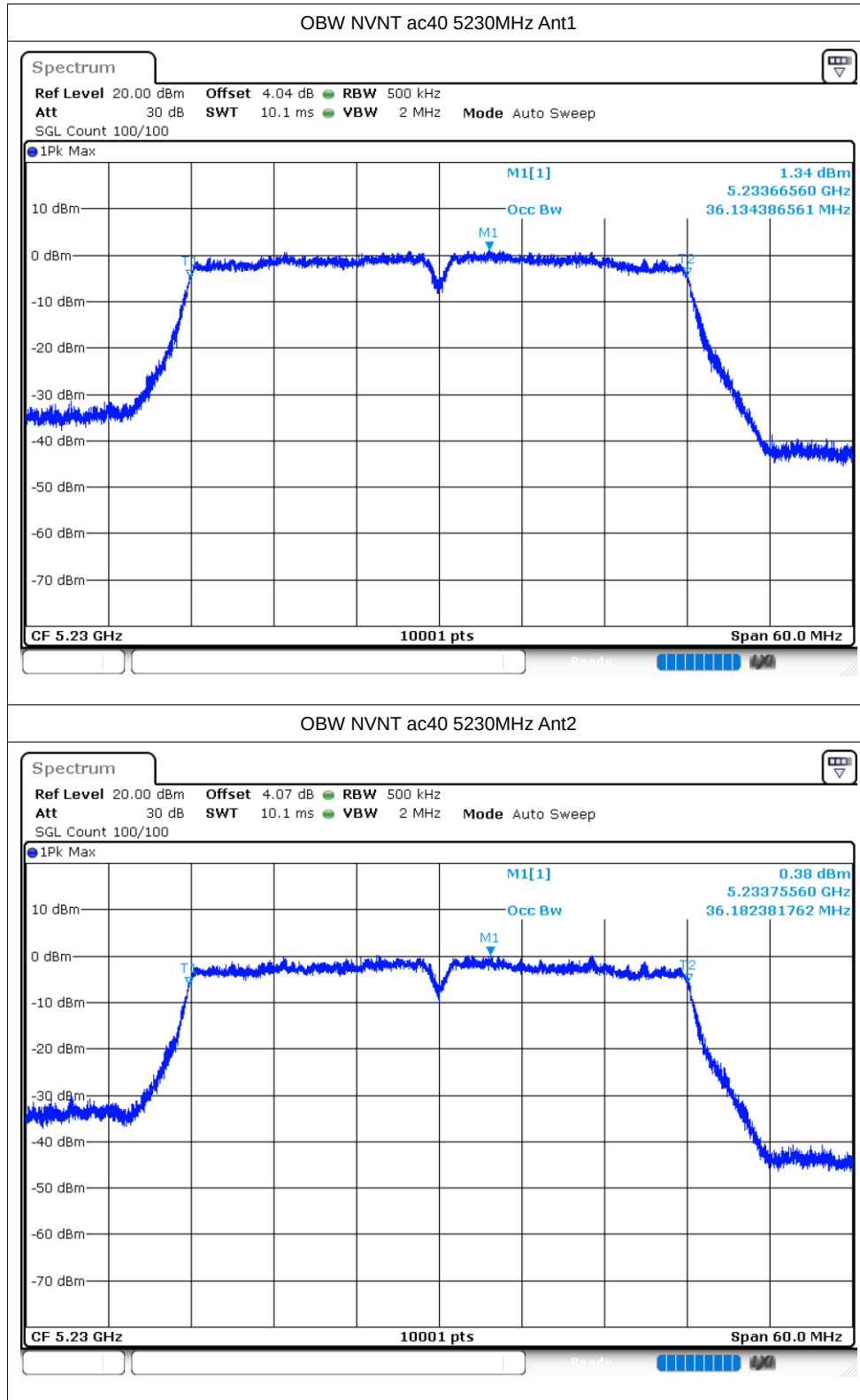
OBW NVNT ac20 5240MHz Ant1

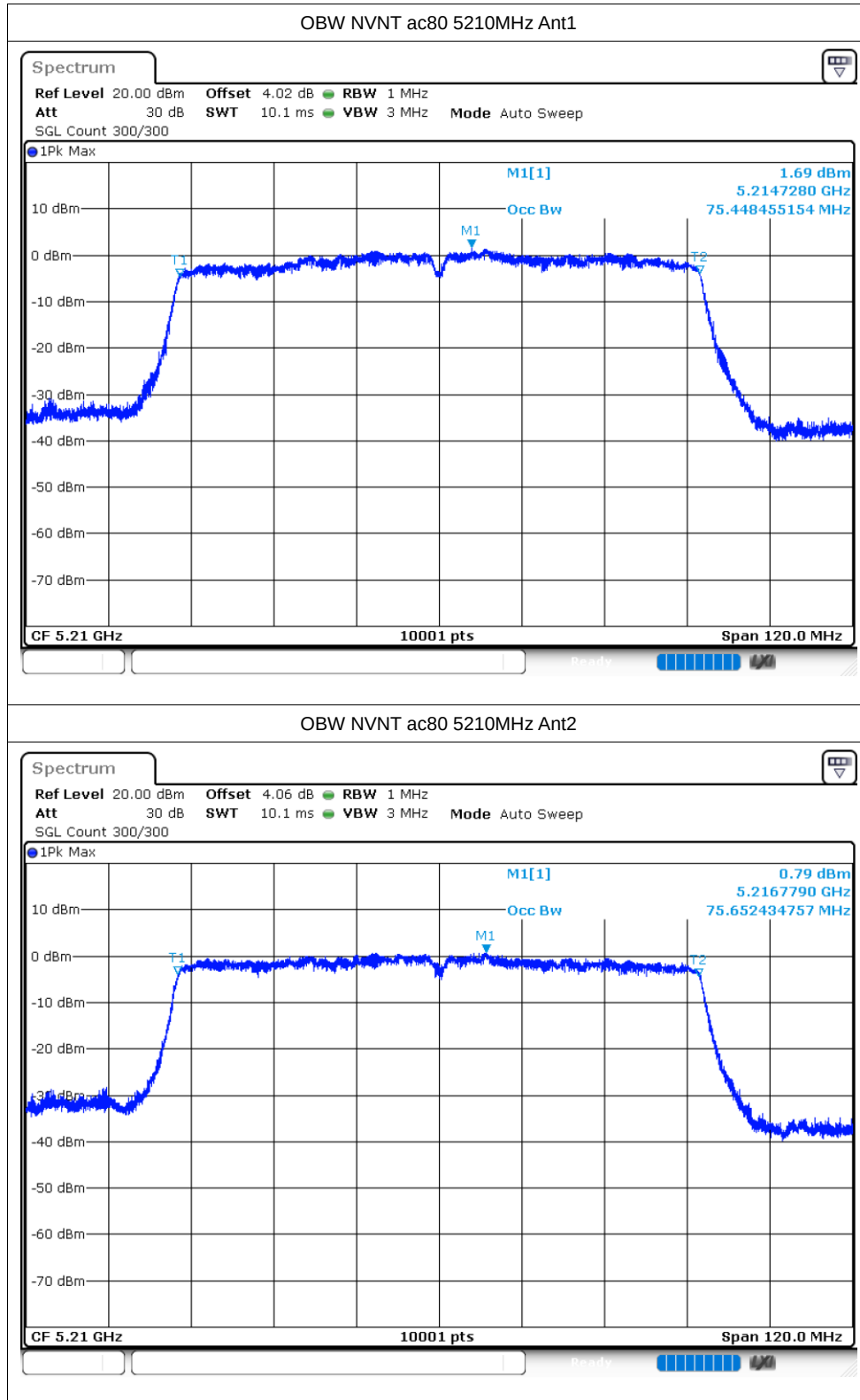


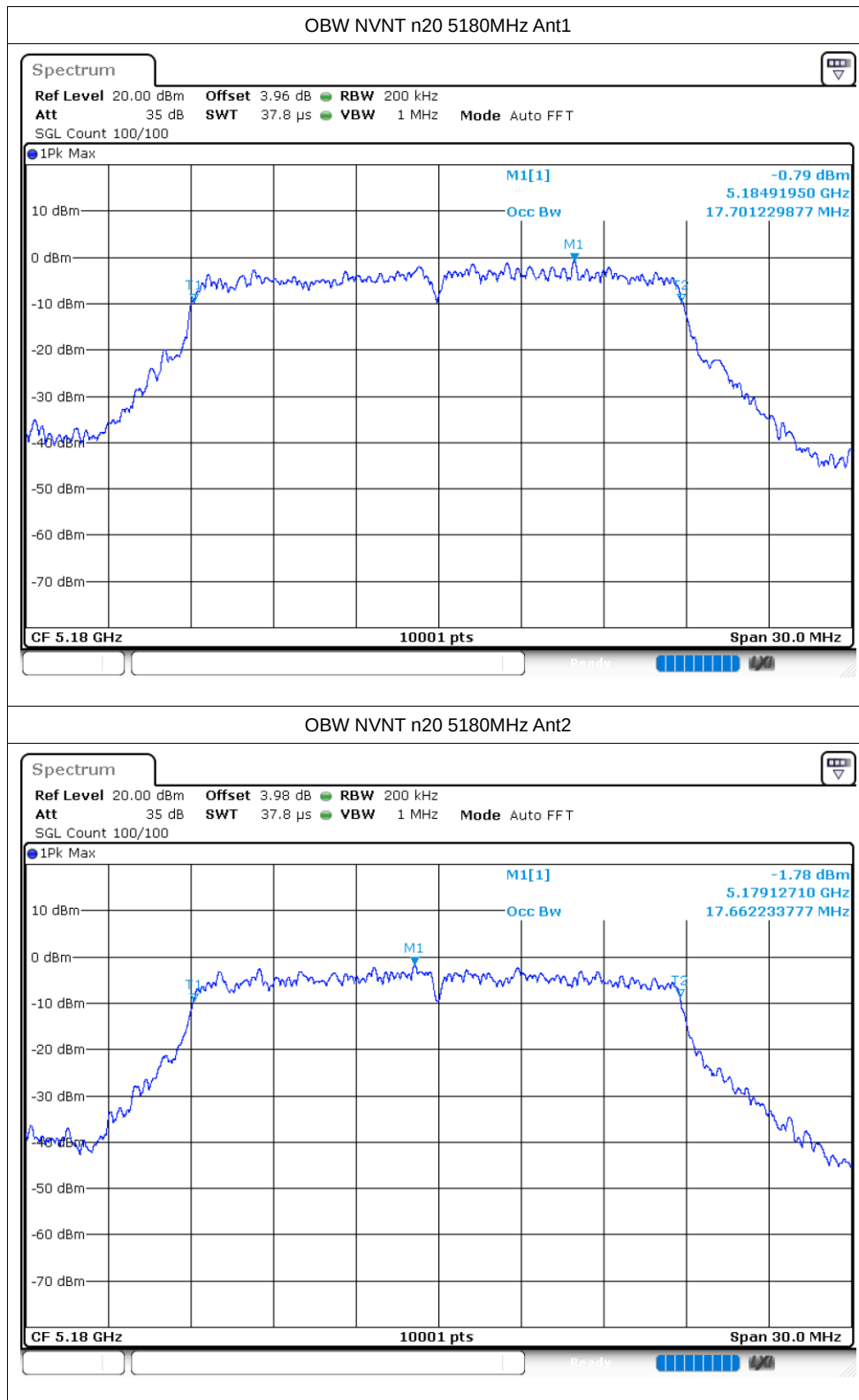
OBW NVNT ac20 5240MHz Ant2

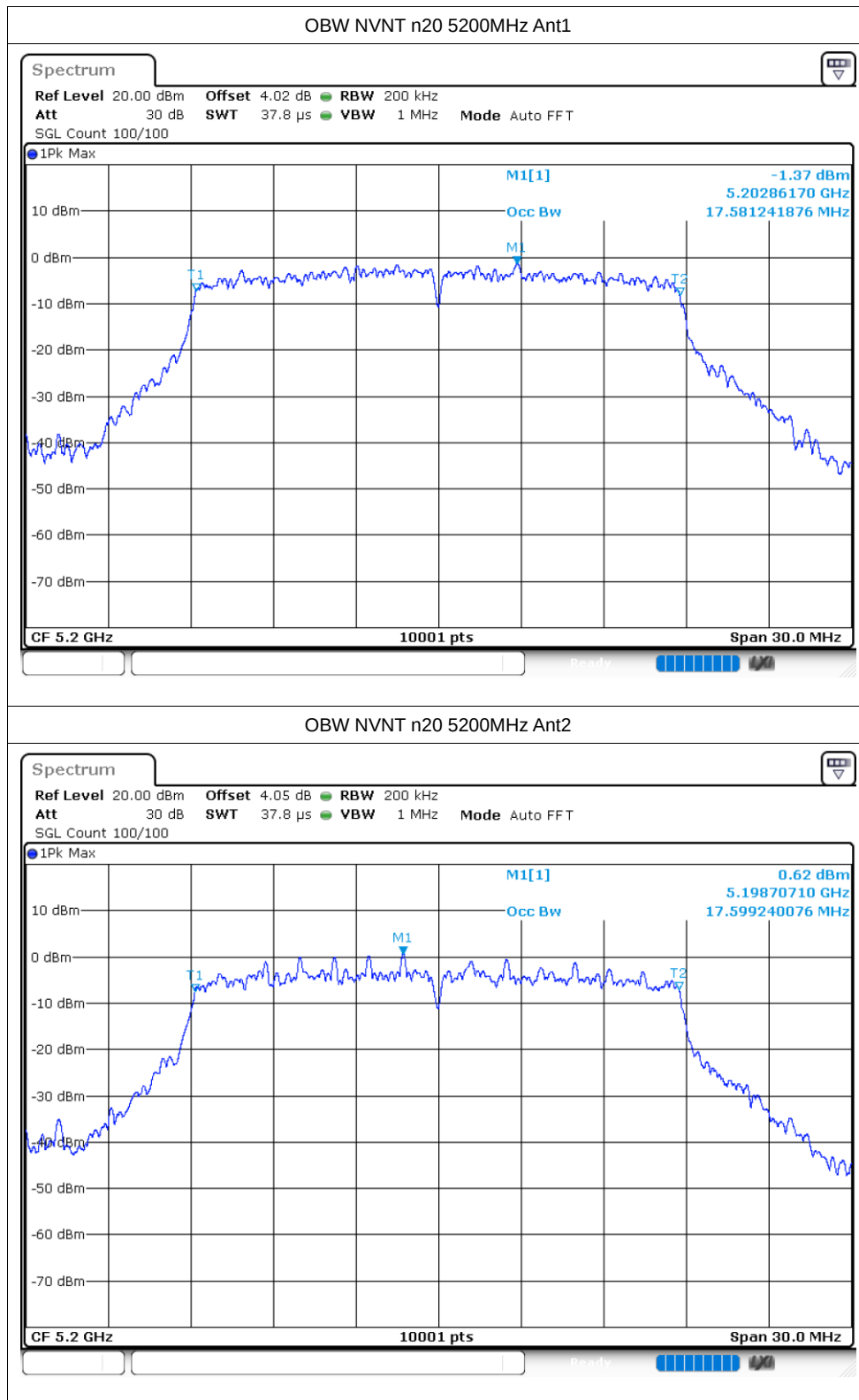


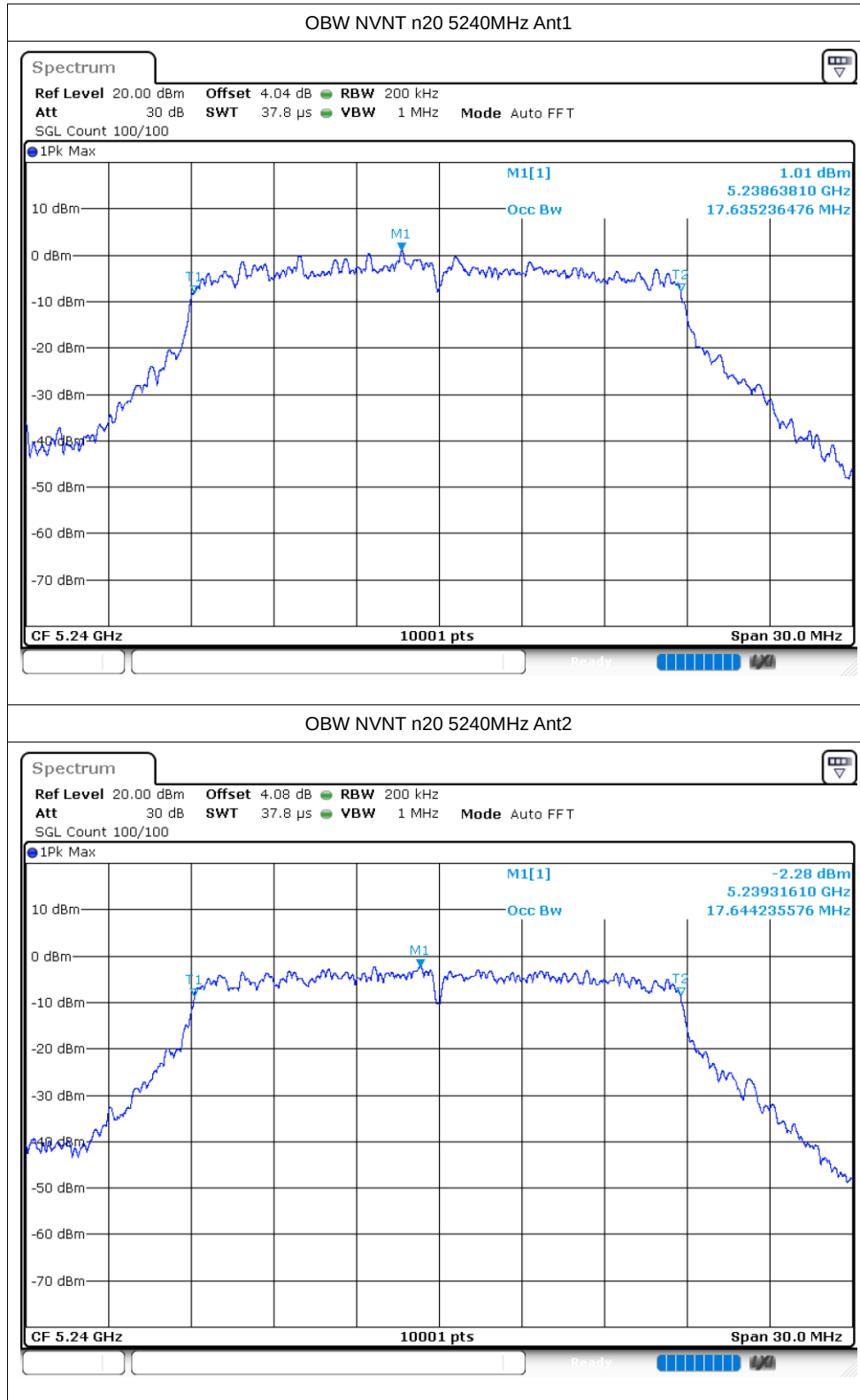


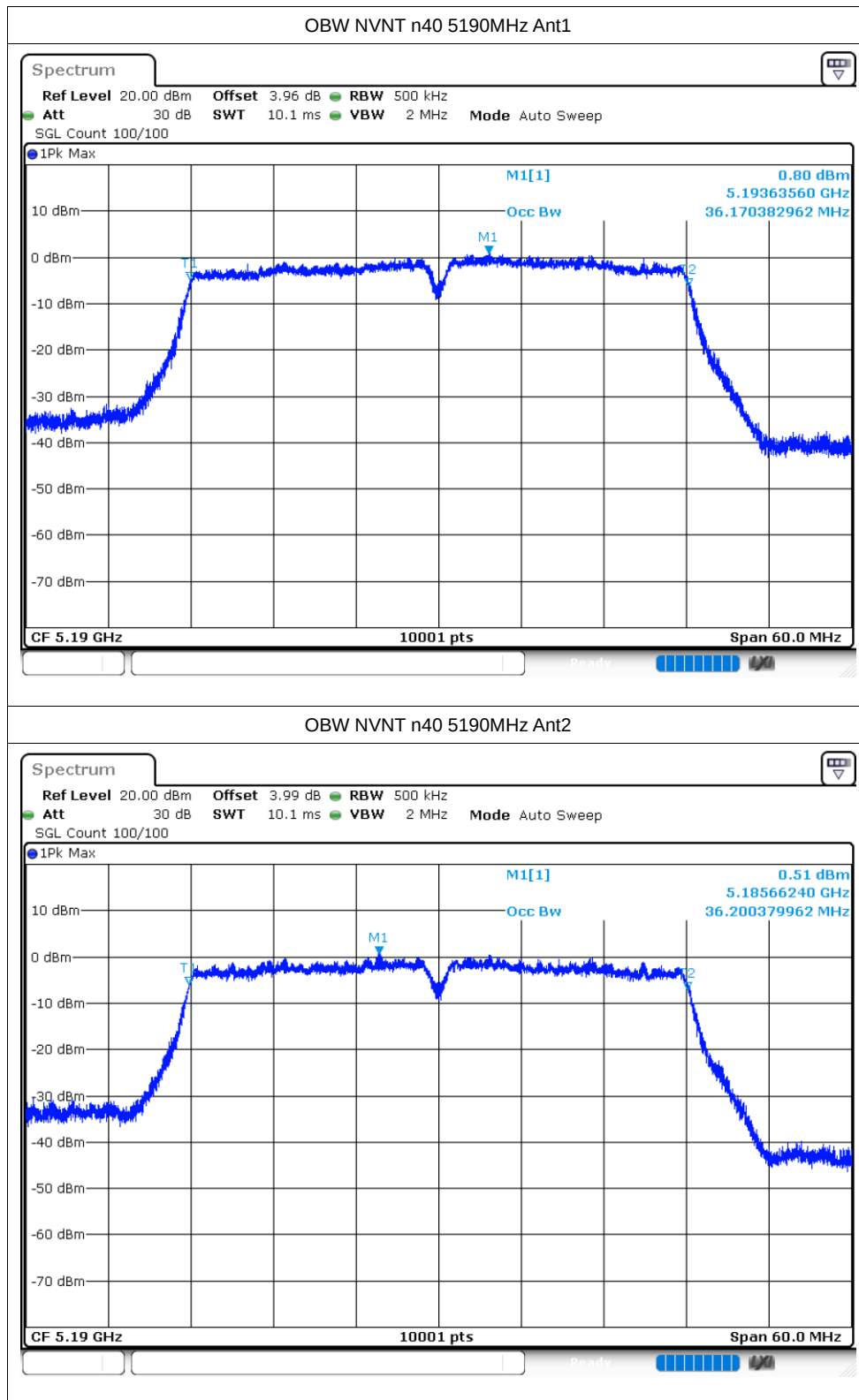


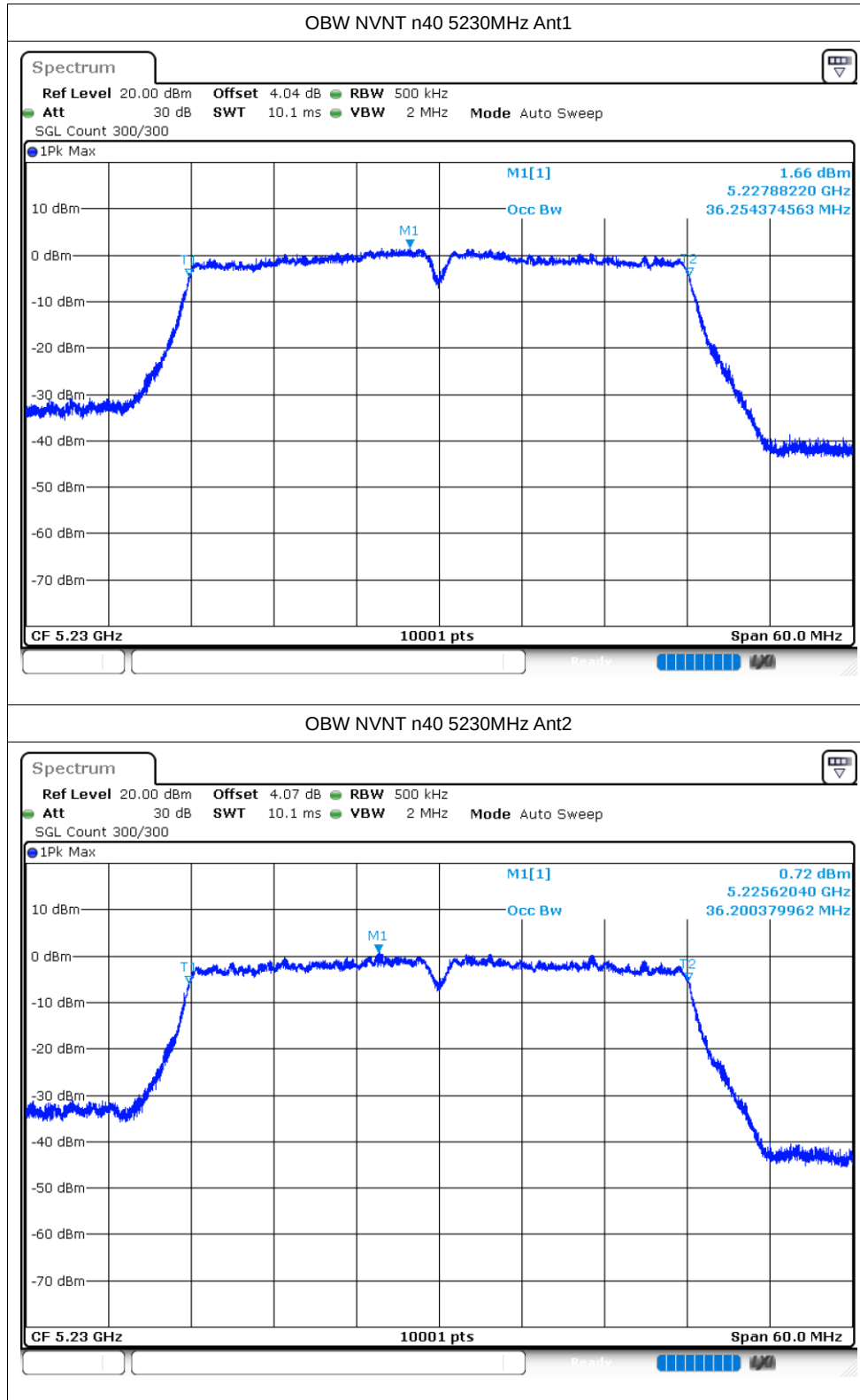










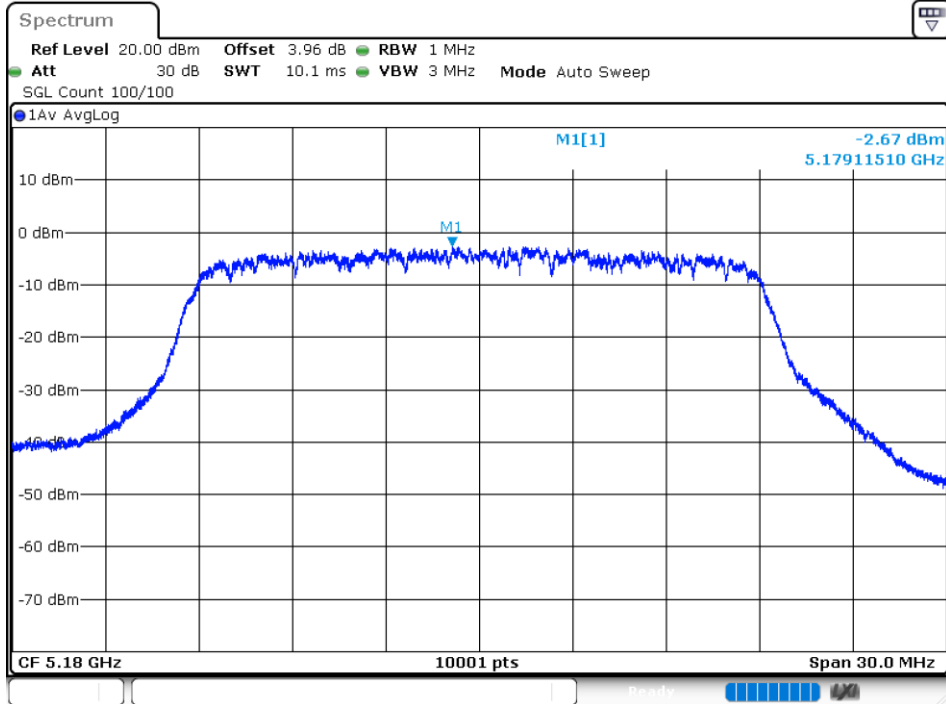


Maximum Power Spectral Density Level

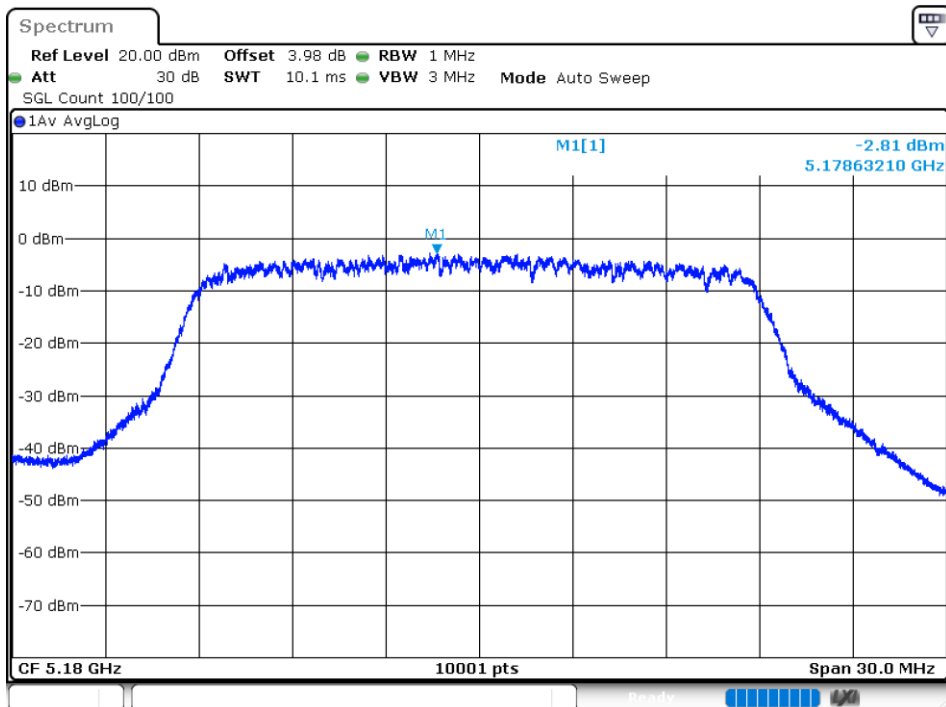
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-2.67	0.06	-2.61	8.81	Pass
NVNT	ac20	5180	Ant2	-2.81	0.06	-2.75	8.81	Pass
NVNT	ac20	5180	Sum	/	/	0.33	8.81	Pass
NVNT	ac20	5200	Ant1	-2.23	0.06	-2.17	8.81	Pass
NVNT	ac20	5200	Ant2	-3.17	0.06	-3.11	8.81	Pass
NVNT	ac20	5200	Sum	/	/	0.4	8.81	Pass
NVNT	ac20	5240	Ant1	-1.98	0.06	-1.92	8.81	Pass
NVNT	ac20	5240	Ant2	-3.14	0.06	-3.08	8.81	Pass
NVNT	ac20	5240	Sum	/	/	0.55	8.81	Pass
NVNT	ac40	5190	Ant1	-5.41	0.12	-5.29	8.81	Pass
NVNT	ac40	5190	Ant2	-5.92	0.12	-5.8	8.81	Pass
NVNT	ac40	5190	Sum	/	/	-2.53	8.81	Pass
NVNT	ac40	5230	Ant1	-4.6	0.12	-4.48	8.81	Pass
NVNT	ac40	5230	Ant2	-5.83	0.12	-5.71	8.81	Pass
NVNT	ac40	5230	Sum	/	/	-2.04	8.81	Pass
NVNT	ac80	5210	Ant1	-9.09	0.27	-8.82	8.81	Pass
NVNT	ac80	5210	Ant2	-10.09	0.27	-9.82	8.81	Pass
NVNT	ac80	5210	Sum	/	/	-6.28	8.81	Pass
NVNT	n20	5180	Ant1	-2.58	0.06	-2.52	8.81	Pass
NVNT	n20	5180	Ant2	-2.95	0.06	-2.89	8.81	Pass
NVNT	n20	5180	Sum	/	/	0.31	8.81	Pass
NVNT	n20	5200	Ant1	-2.36	0.06	-2.3	8.81	Pass
NVNT	n20	5200	Ant2	-2.94	0.06	-2.88	8.81	Pass
NVNT	n20	5200	Sum	/	/	0.43	8.81	Pass
NVNT	n20	5240	Ant1	-1.41	0.06	-1.35	8.81	Pass
NVNT	n20	5240	Ant2	-3	0.06	-2.94	8.81	Pass
NVNT	n20	5240	Sum	/	/	0.94	8.81	Pass
NVNT	n40	5190	Ant1	-5	0.12	-4.88	8.81	Pass
NVNT	n40	5190	Ant2	-6.24	0.12	-6.12	8.81	Pass
NVNT	n40	5190	Sum	/	/	-2.45	8.81	Pass
NVNT	n40	5230	Ant1	-5.29	0.12	-5.17	8.81	Pass
NVNT	n40	5230	Ant2	-7.15	0.12	-7.03	8.81	Pass
NVNT	n40	5230	Sum	/	/	-2.99	8.81	Pass

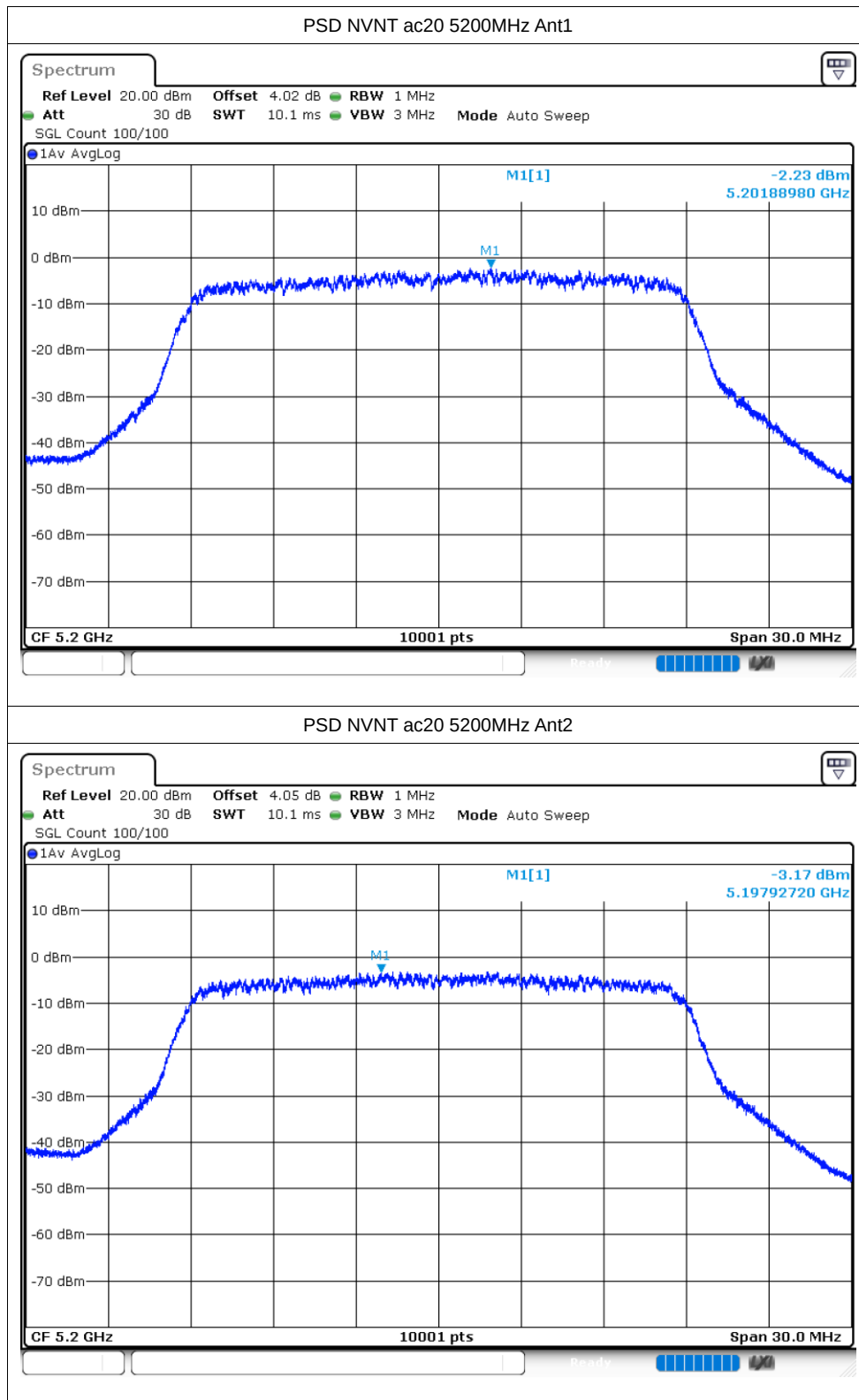
Test Graphs

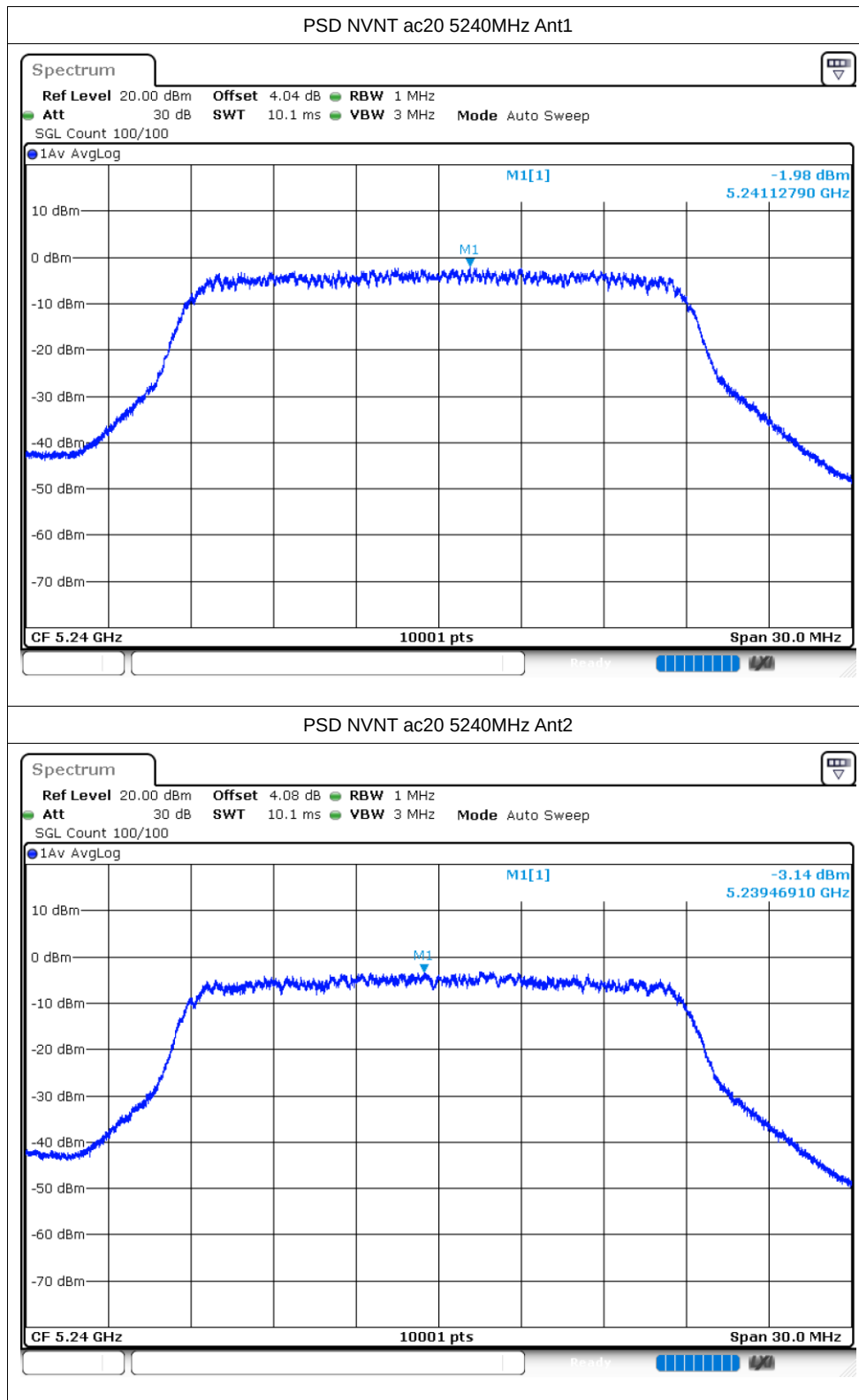
PSD NVNT ac20 5180MHz Ant1

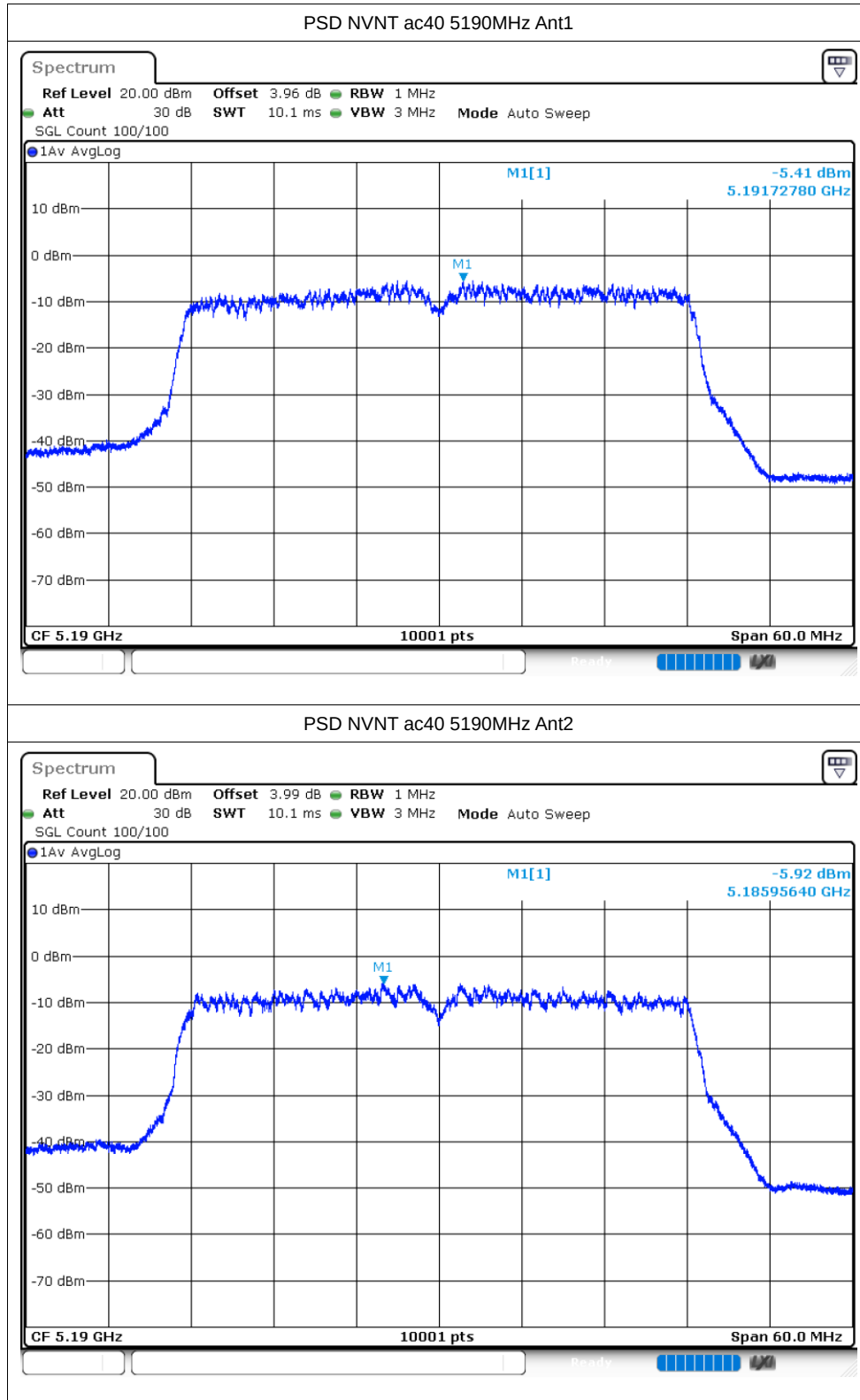


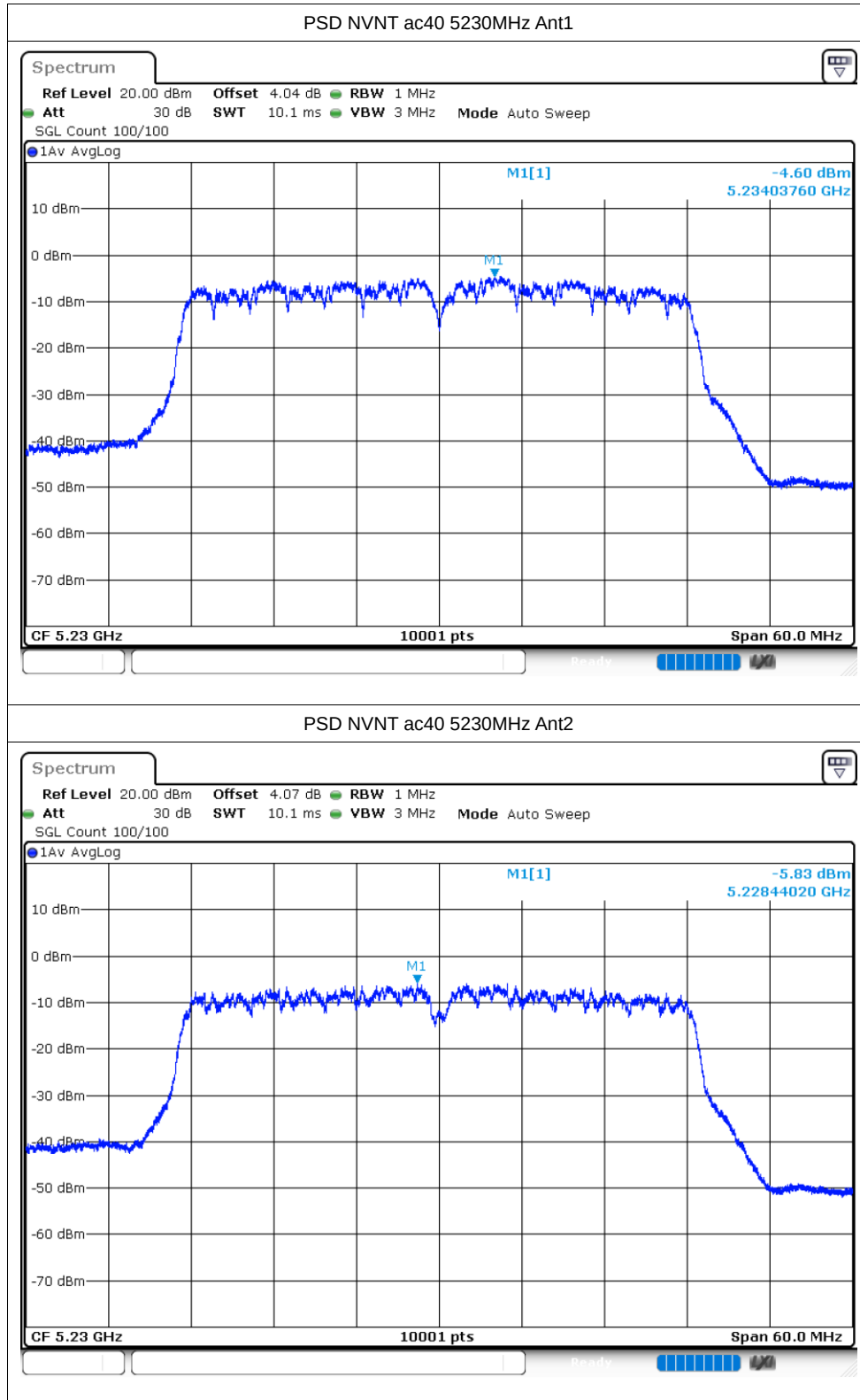
PSD NVNT ac20 5180MHz Ant2

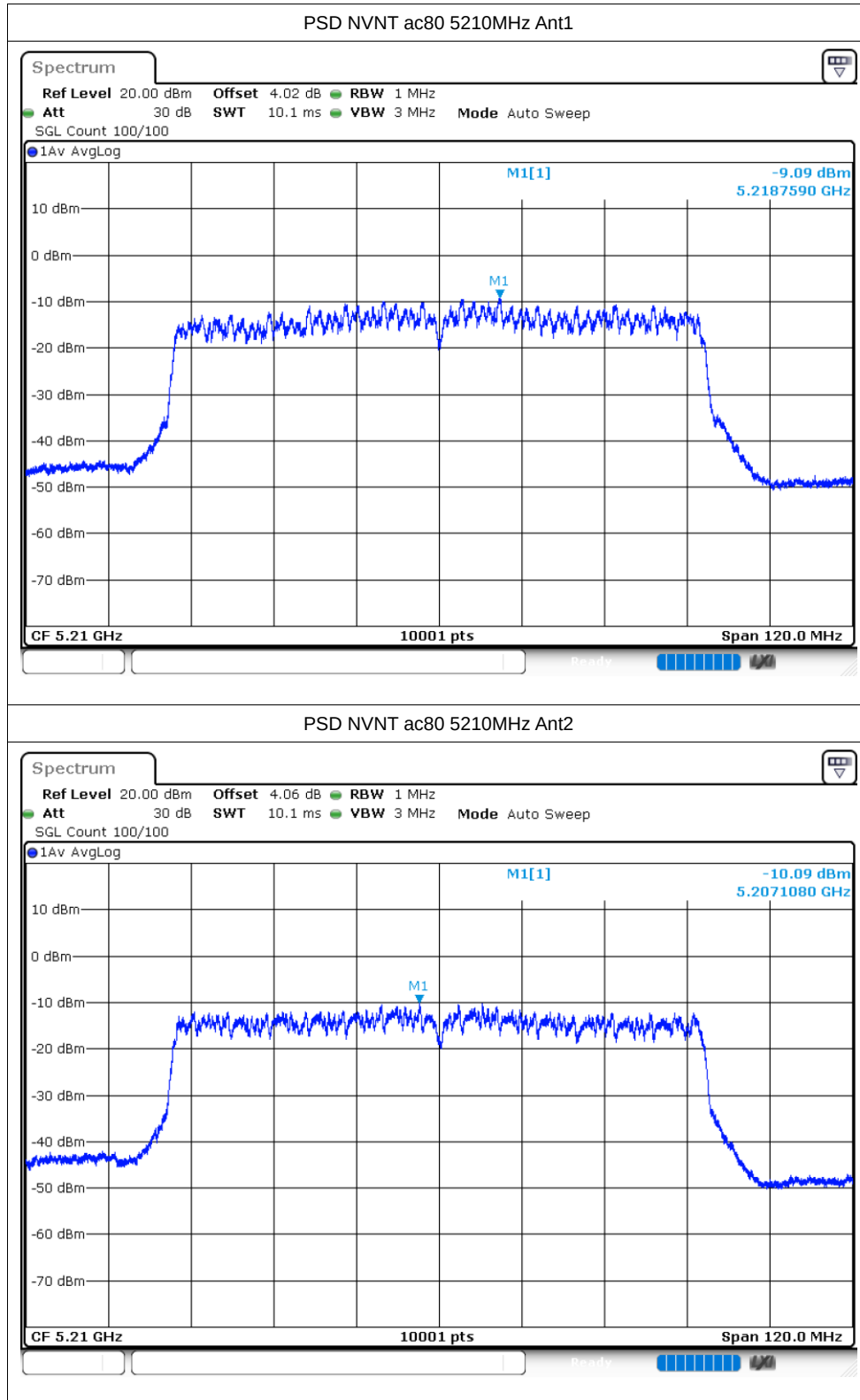


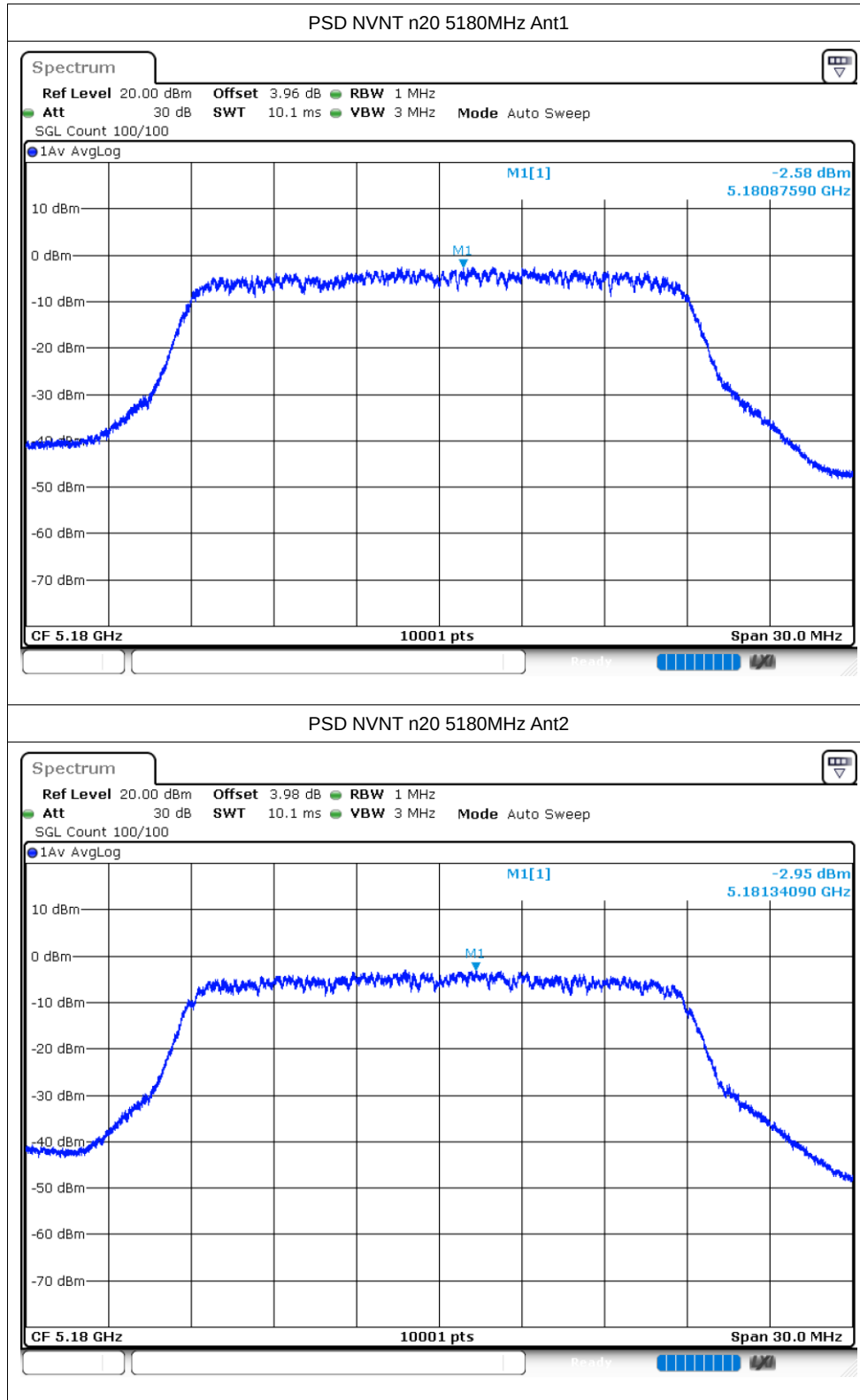


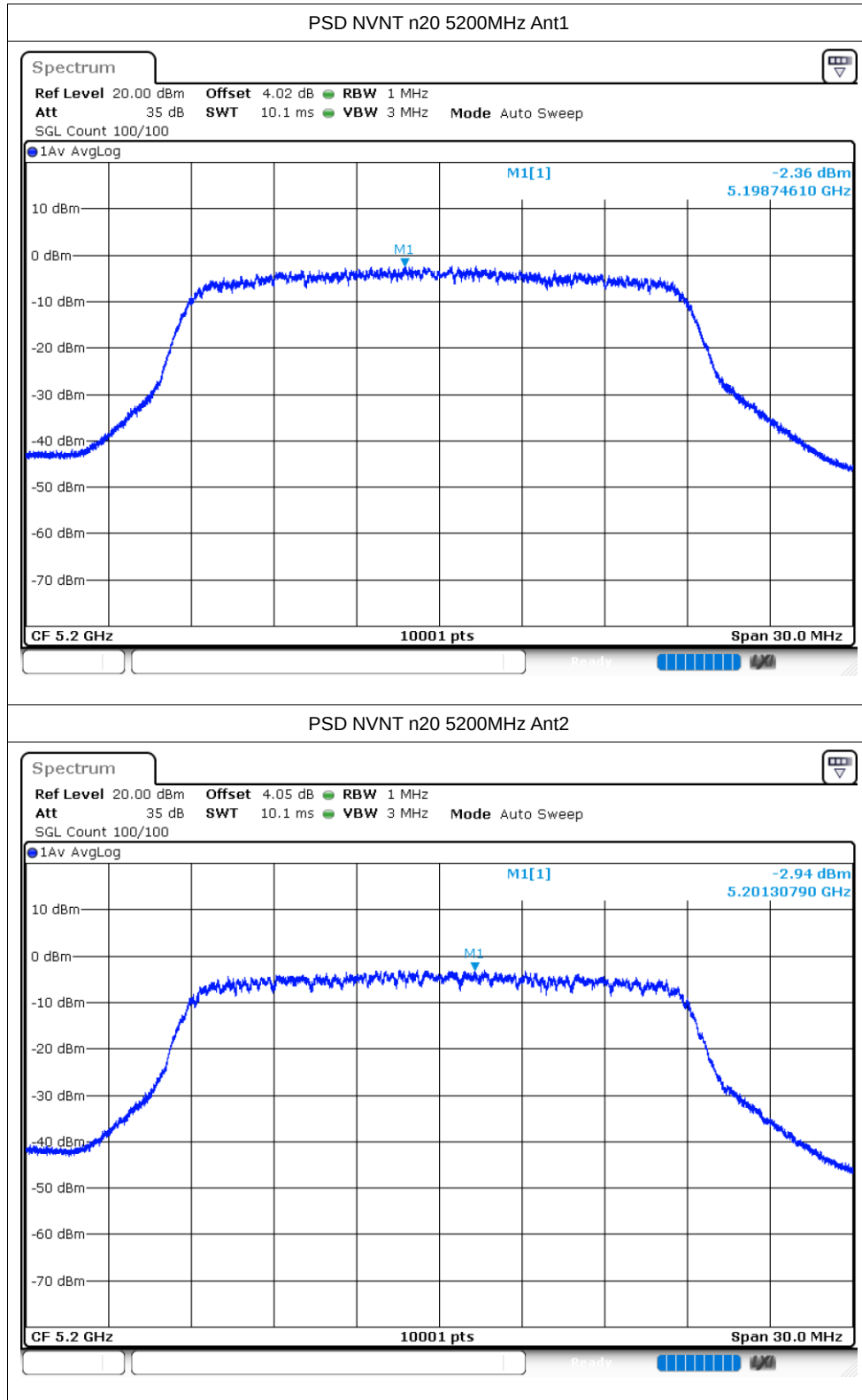


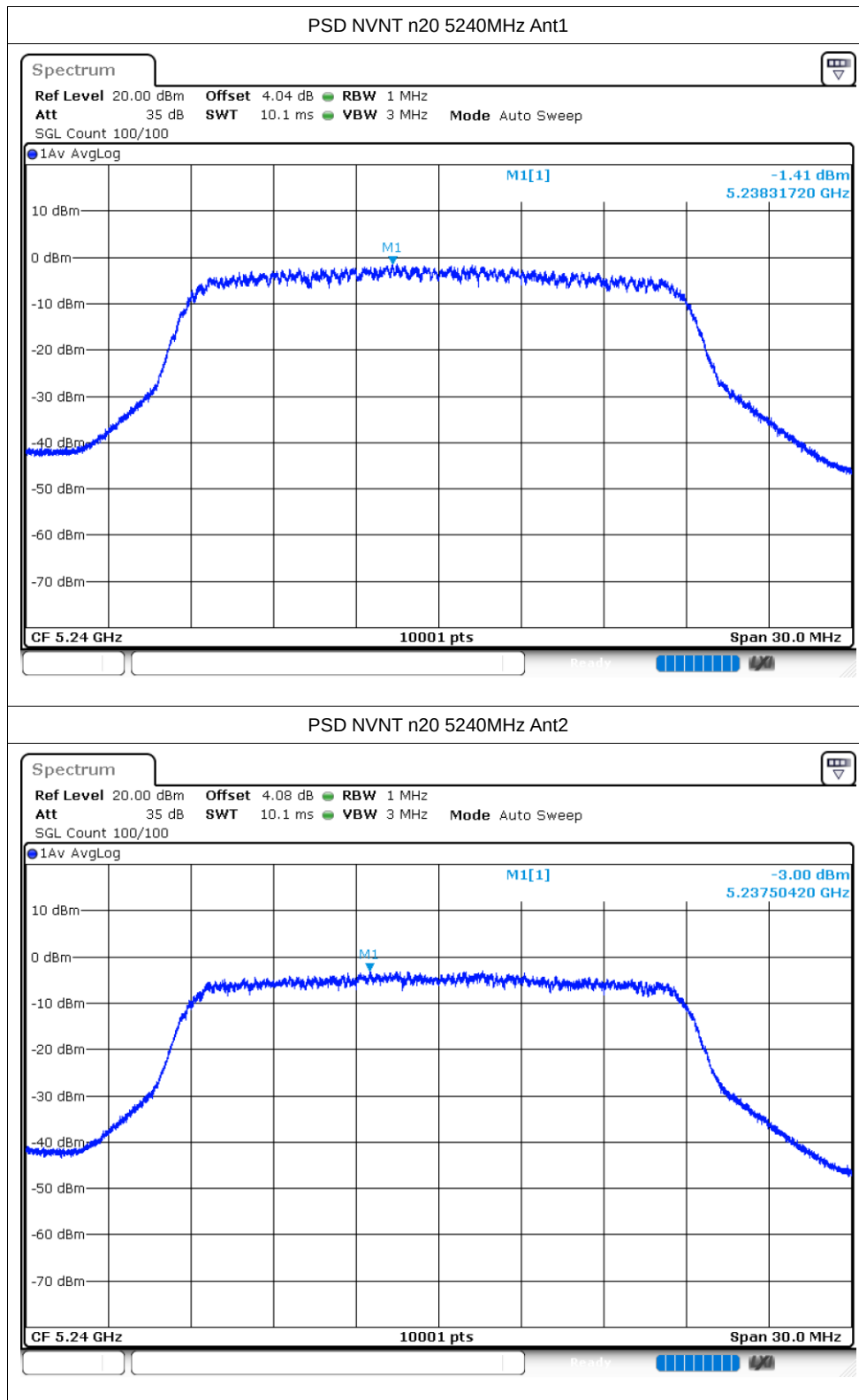


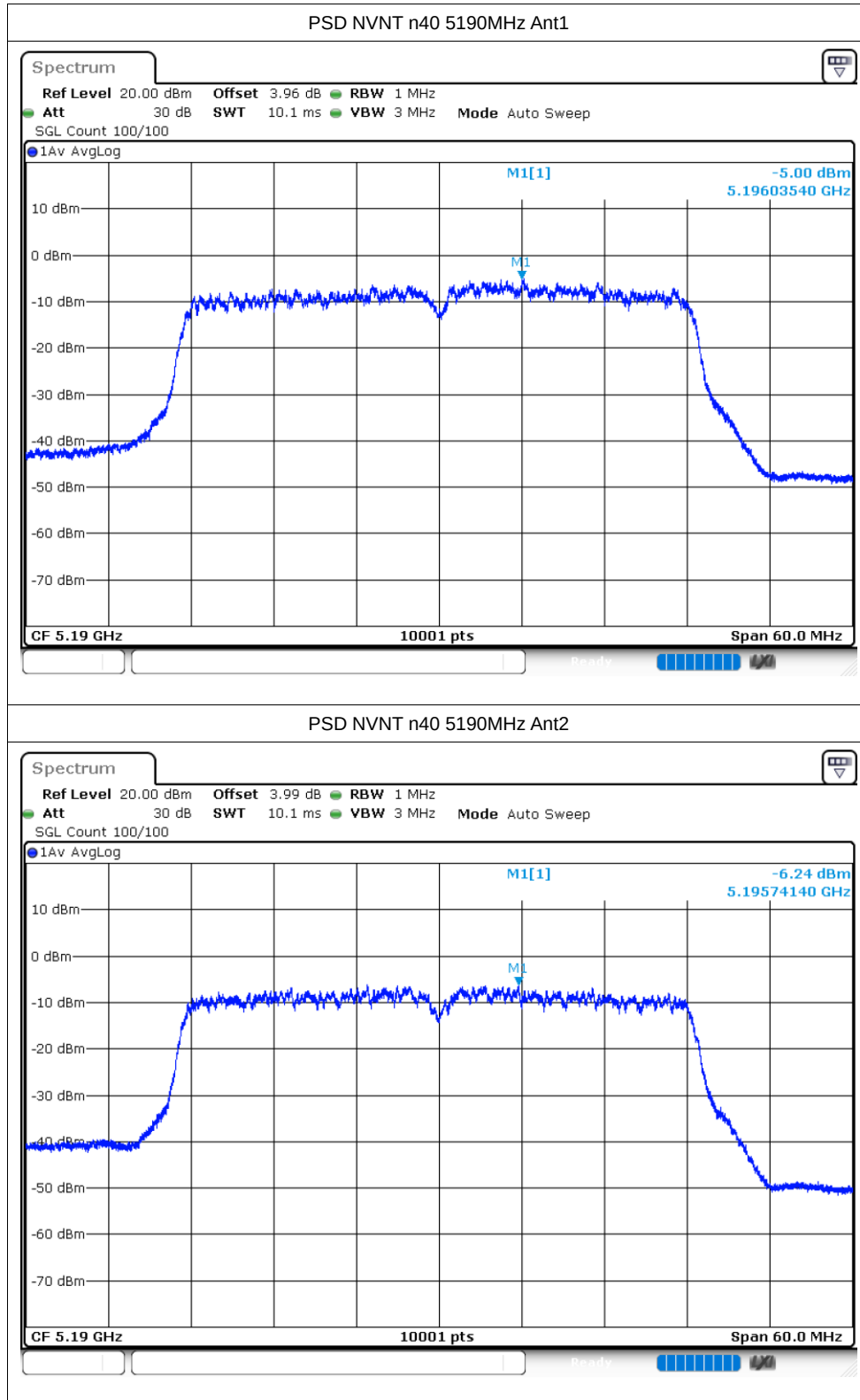


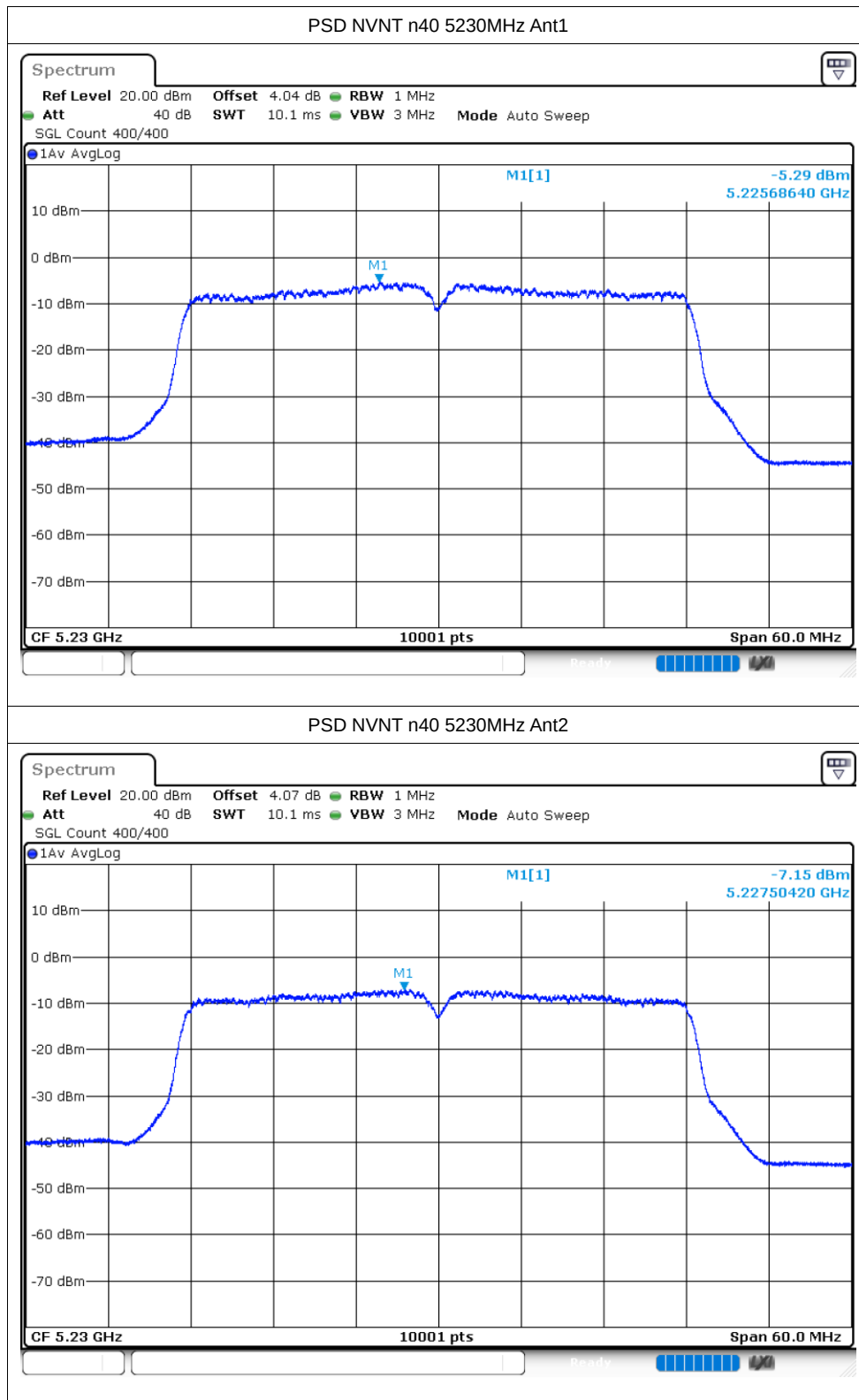












Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	ac20	5180	Ant1	-34.45	-27	Pass
NVNT	ac20	5180	Ant2	-34.8	-27	Pass
NVNT	ac20	5240	Ant1	-36.87	-27	Pass
NVNT	ac20	5240	Ant2	-37.33	-27	Pass
NVNT	ac40	5190	Ant1	-31.17	-27	Pass
NVNT	ac40	5190	Ant2	-34.49	-27	Pass
NVNT	ac40	5230	Ant1	-37.44	-27	Pass
NVNT	ac40	5230	Ant2	-37.99	-27	Pass
NVNT	ac80	5210	Ant1	-31.79	-27	Pass
NVNT	ac80	5210	Ant2	-33.15	-27	Pass
NVNT	ac80	5210	Ant1	-37.46	-27	Pass
NVNT	ac80	5210	Ant2	-37.92	-27	Pass
NVNT	n20	5180	Ant1	-33.98	-27	Pass
NVNT	n20	5180	Ant2	-34.83	-27	Pass
NVNT	n20	5240	Ant1	-37.04	-27	Pass
NVNT	n20	5240	Ant2	-36.26	-27	Pass
NVNT	n40	5190	Ant1	-31.07	-27	Pass
NVNT	n40	5190	Ant2	-34.07	-27	Pass
NVNT	n40	5230	Ant1	-41.27	-27	Pass
NVNT	n40	5230	Ant2	-42.23	-27	Pass

Note: 1.The test results have been added with Antenna Gain.

2.Due to the fact that both ANT 1 and ANT 2 have a margin of 3 dB each, so the MIMO mode can be passed.

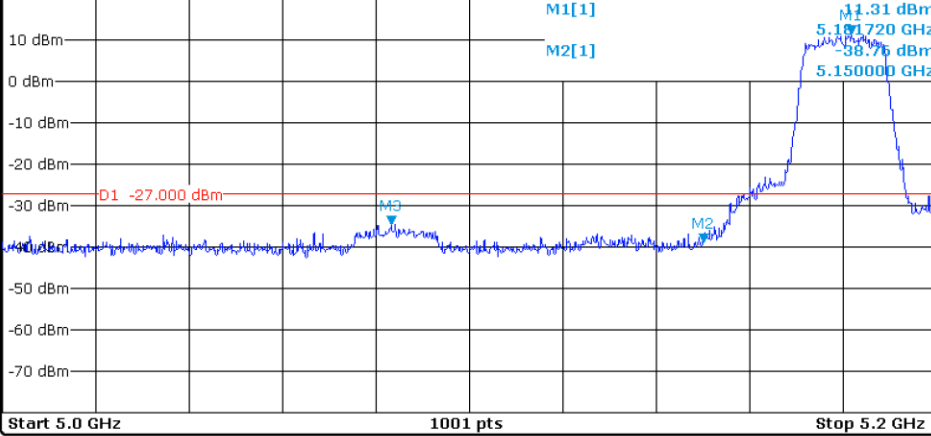
Test Graphs

Band Edge NVNT ac20 5180MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.14 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

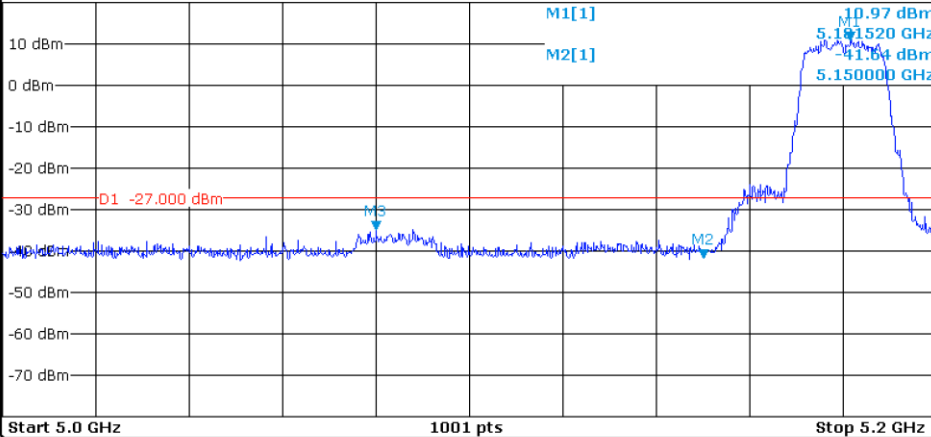
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.18172 GHz	-11.31 dBm		
M2	1		5.15 GHz	-38.76 dBm		
M3	1		5.0832 GHz	-34.45 dBm		

Band Edge NVNT ac20 5180MHz Low Ant2

Spectrum

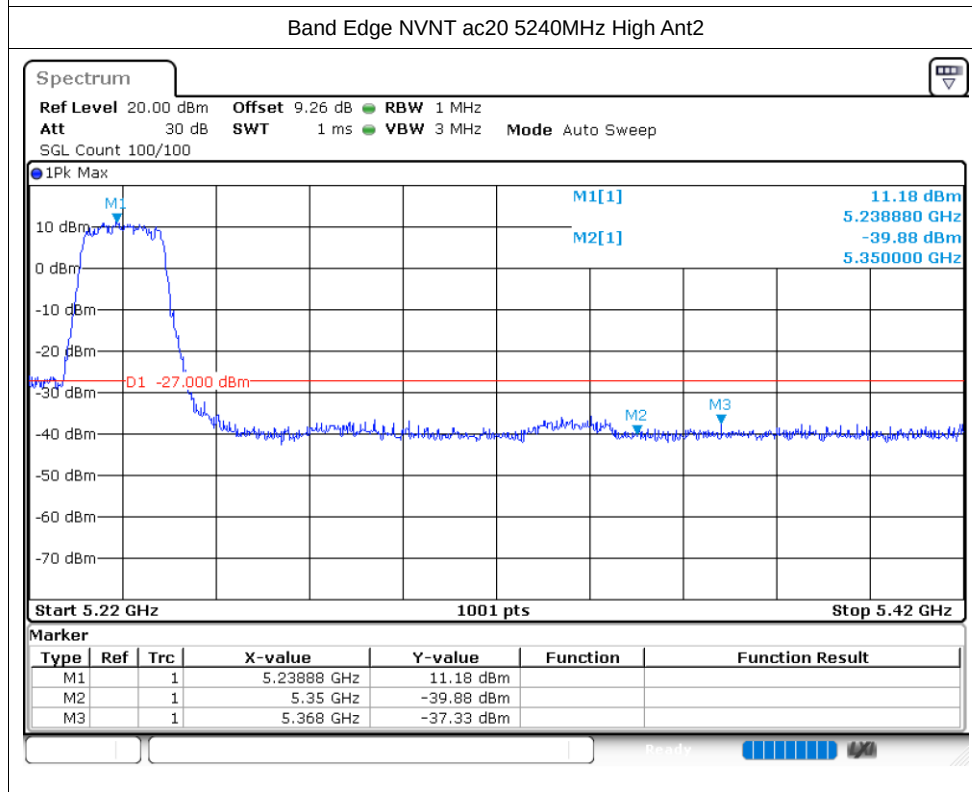
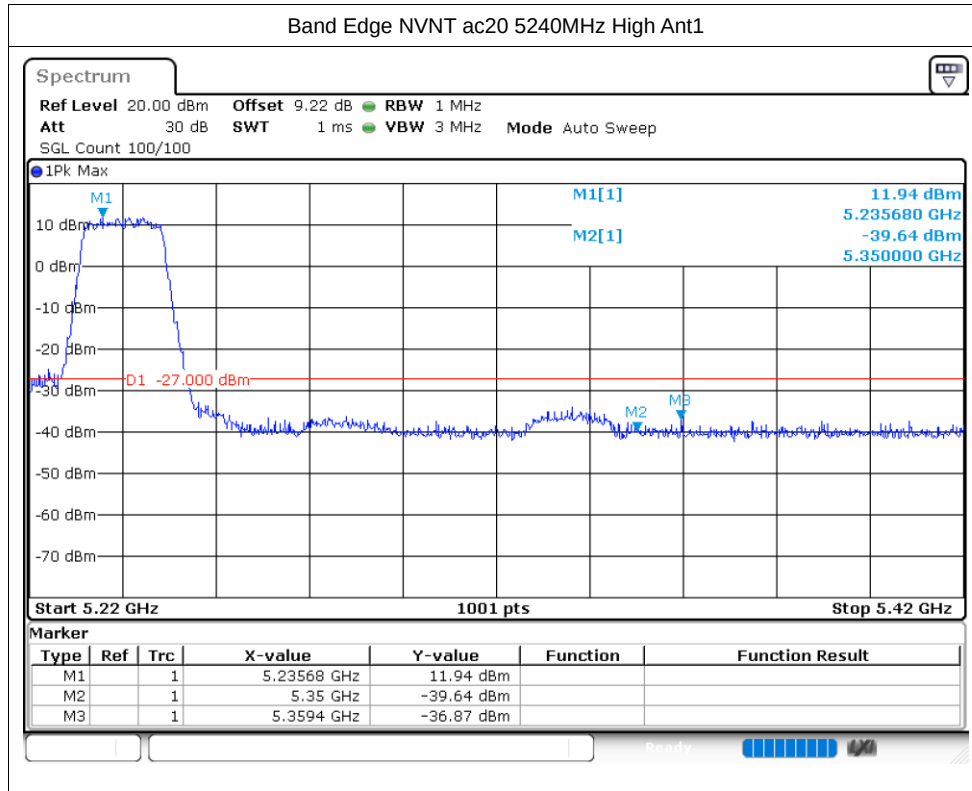
Ref Level 20.00 dBm Offset 9.16 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

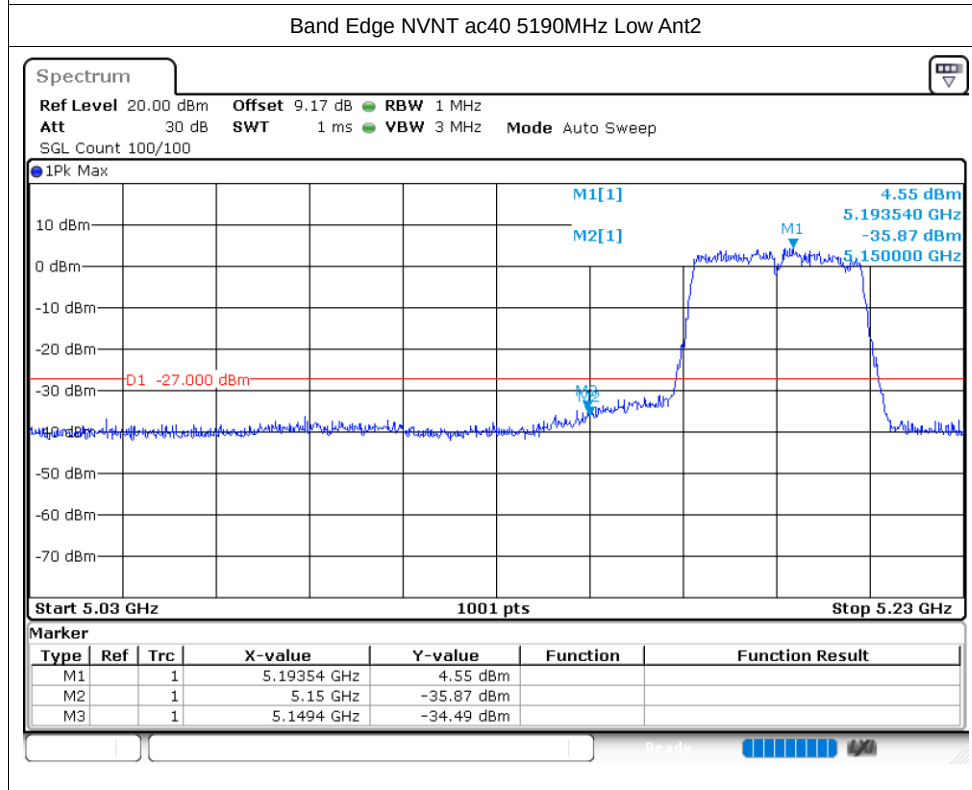
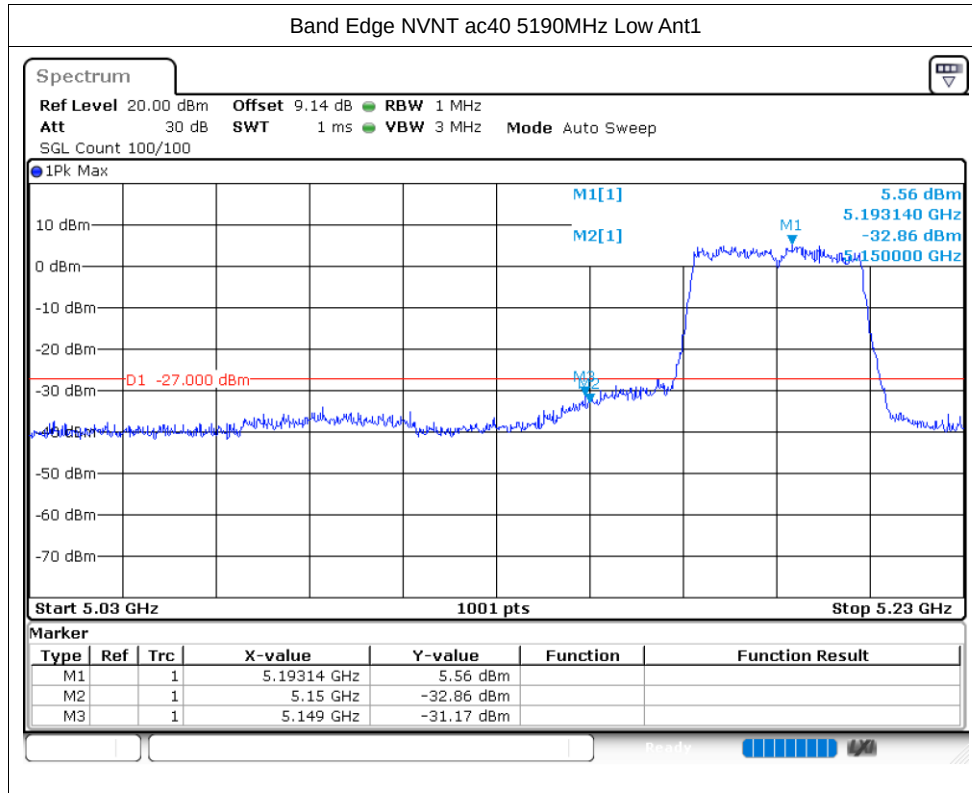
1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.18152 GHz	-10.97 dBm		
M2	1		5.15 GHz	-41.64 dBm		
M3	1		5.08 GHz	-34.80 dBm		



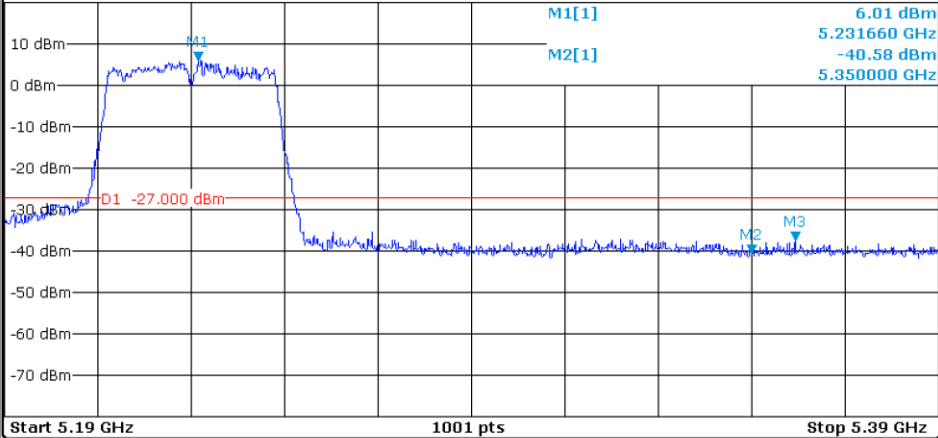


Band Edge NVNT ac40 5230MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.22 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

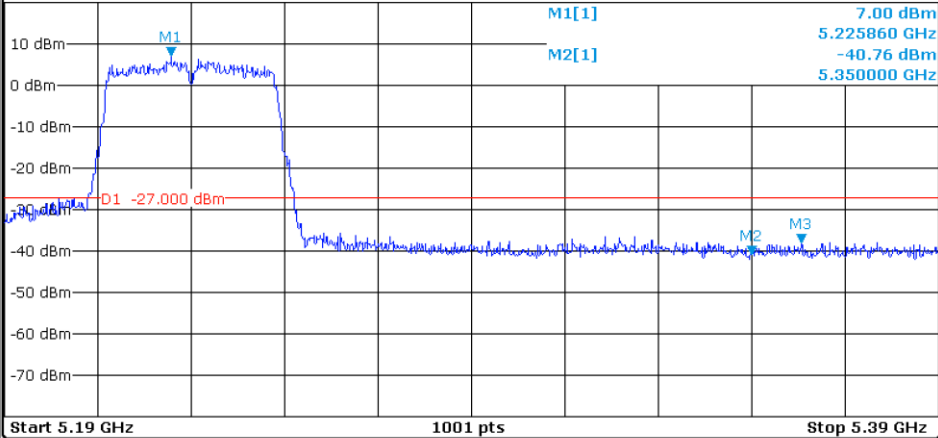
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23166 GHz	6.01 dBm		
M2		1	5.35 GHz	-40.58 dBm		
M3		1	5.3594 GHz	-37.45 dBm		

Band Edge NVNT ac40 5230MHz High Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.25 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

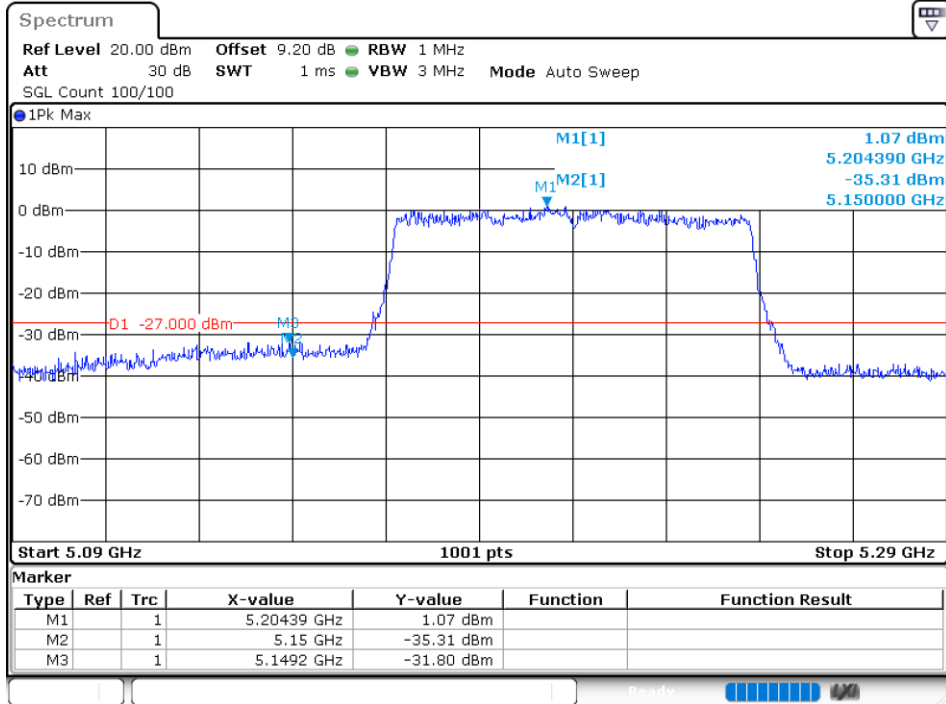
1Pk Max



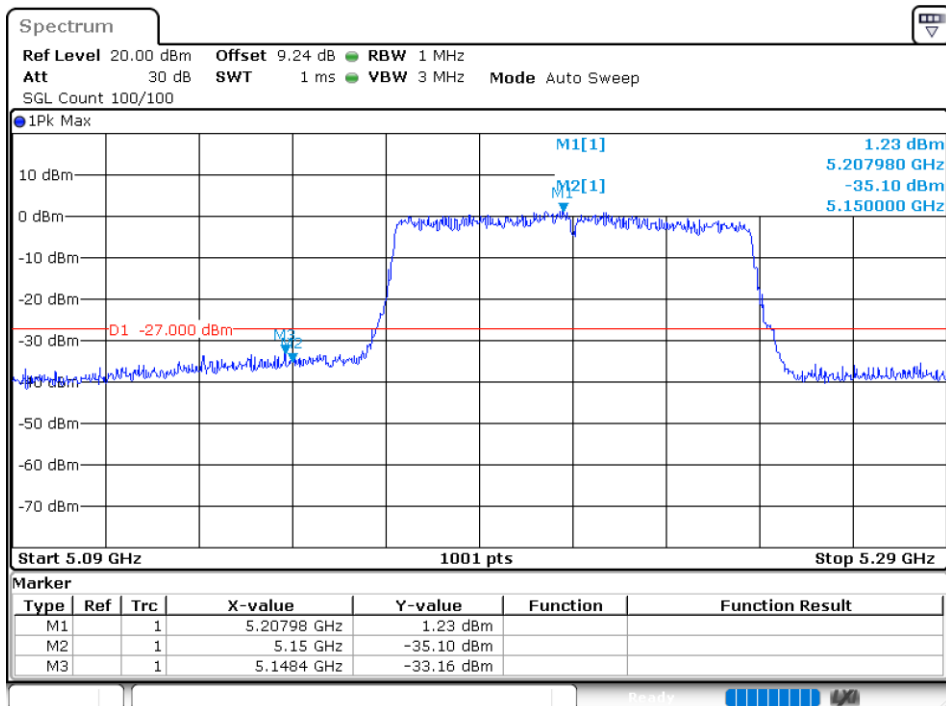
Marker

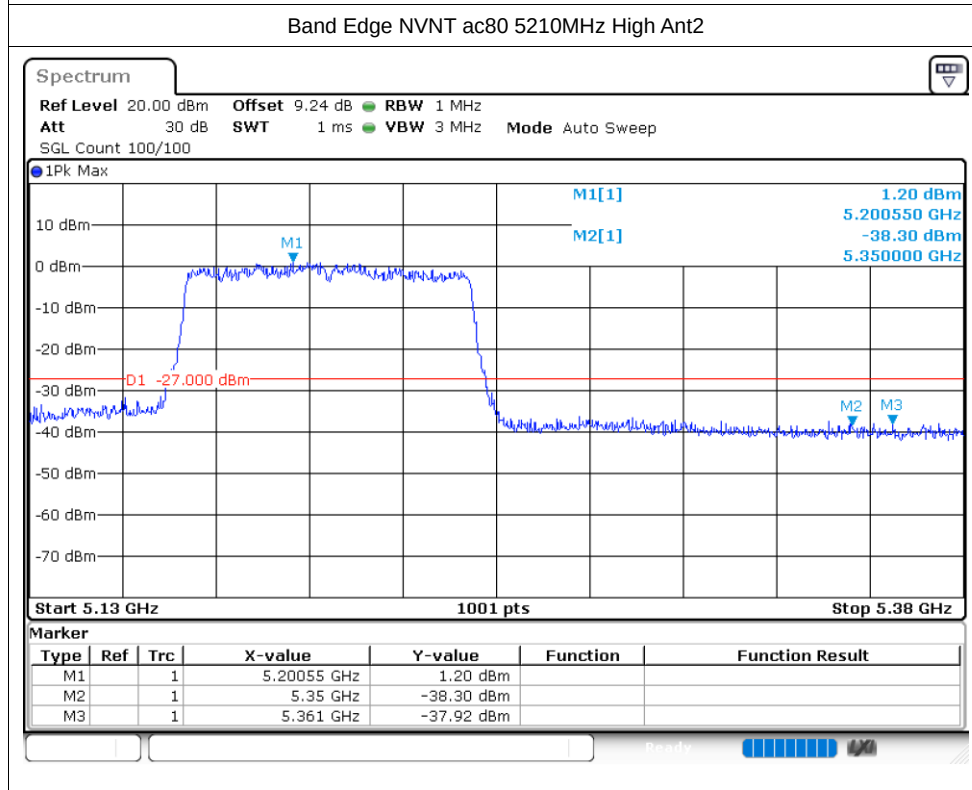
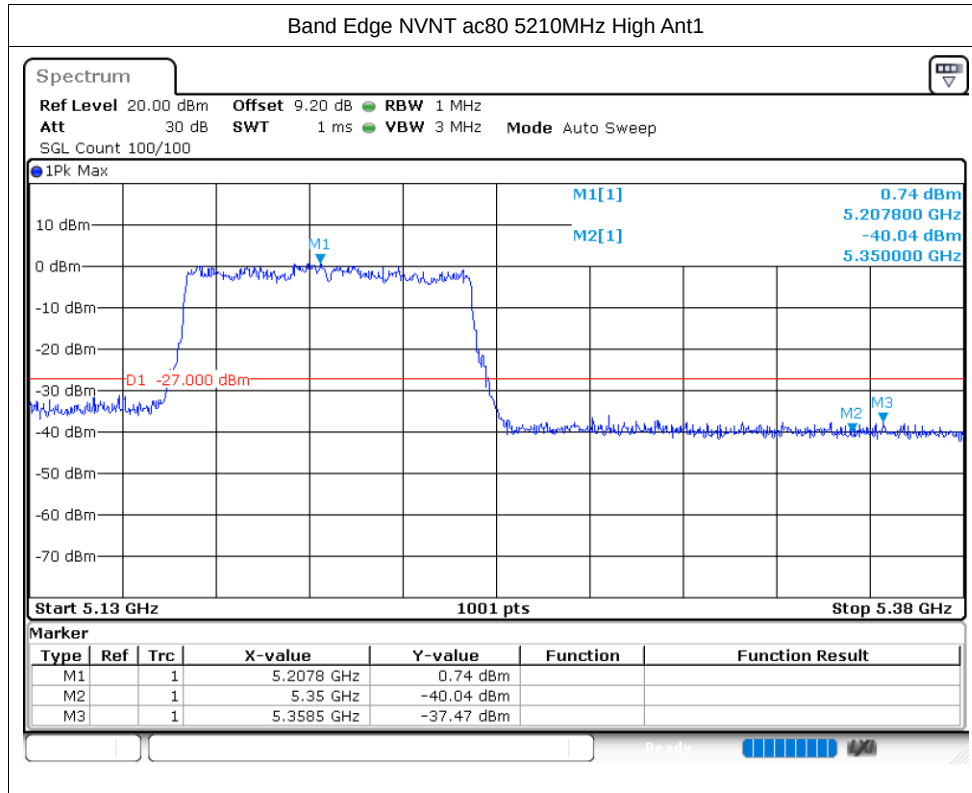
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.22586 GHz	7.00 dBm		
M2		1	5.35 GHz	-40.76 dBm		
M3		1	5.3606 GHz	-37.99 dBm		

Band Edge NVNT ac80 5210MHz Low Ant1

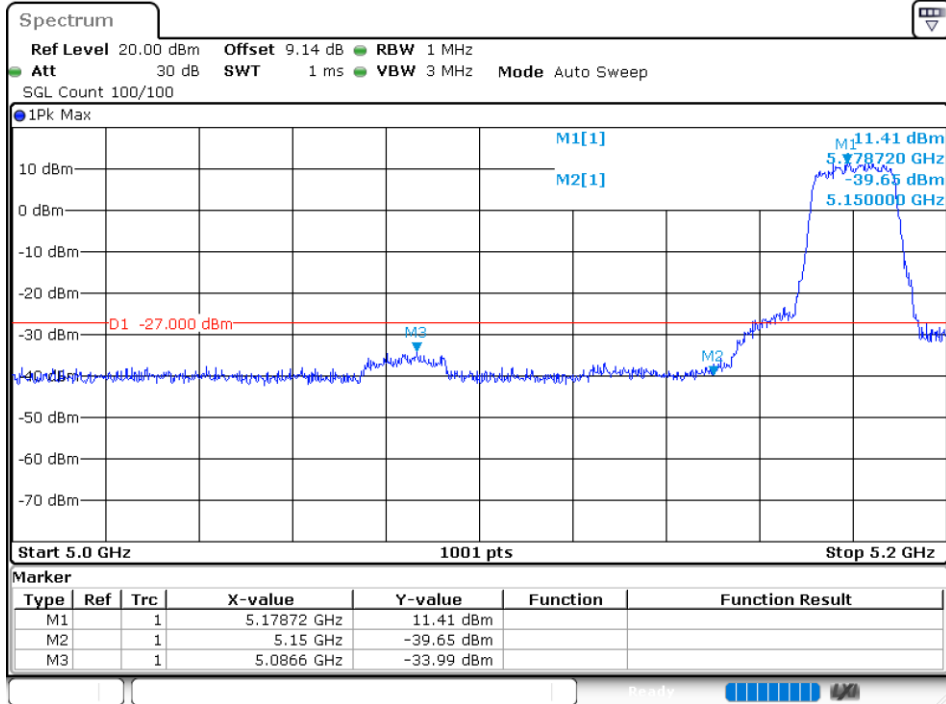


Band Edge NVNT ac80 5210MHz Low Ant2

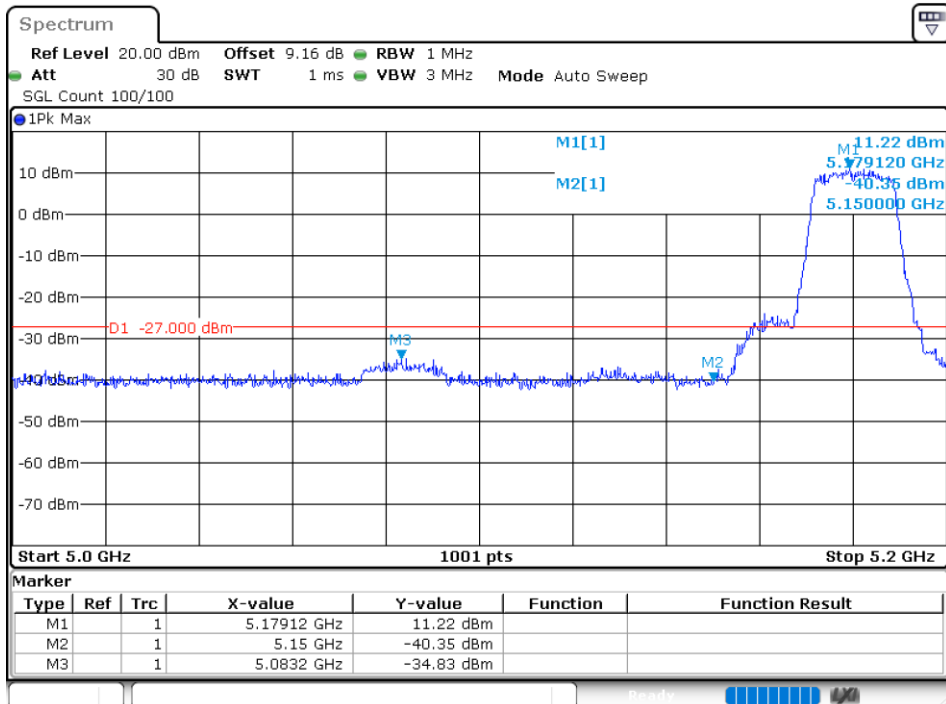


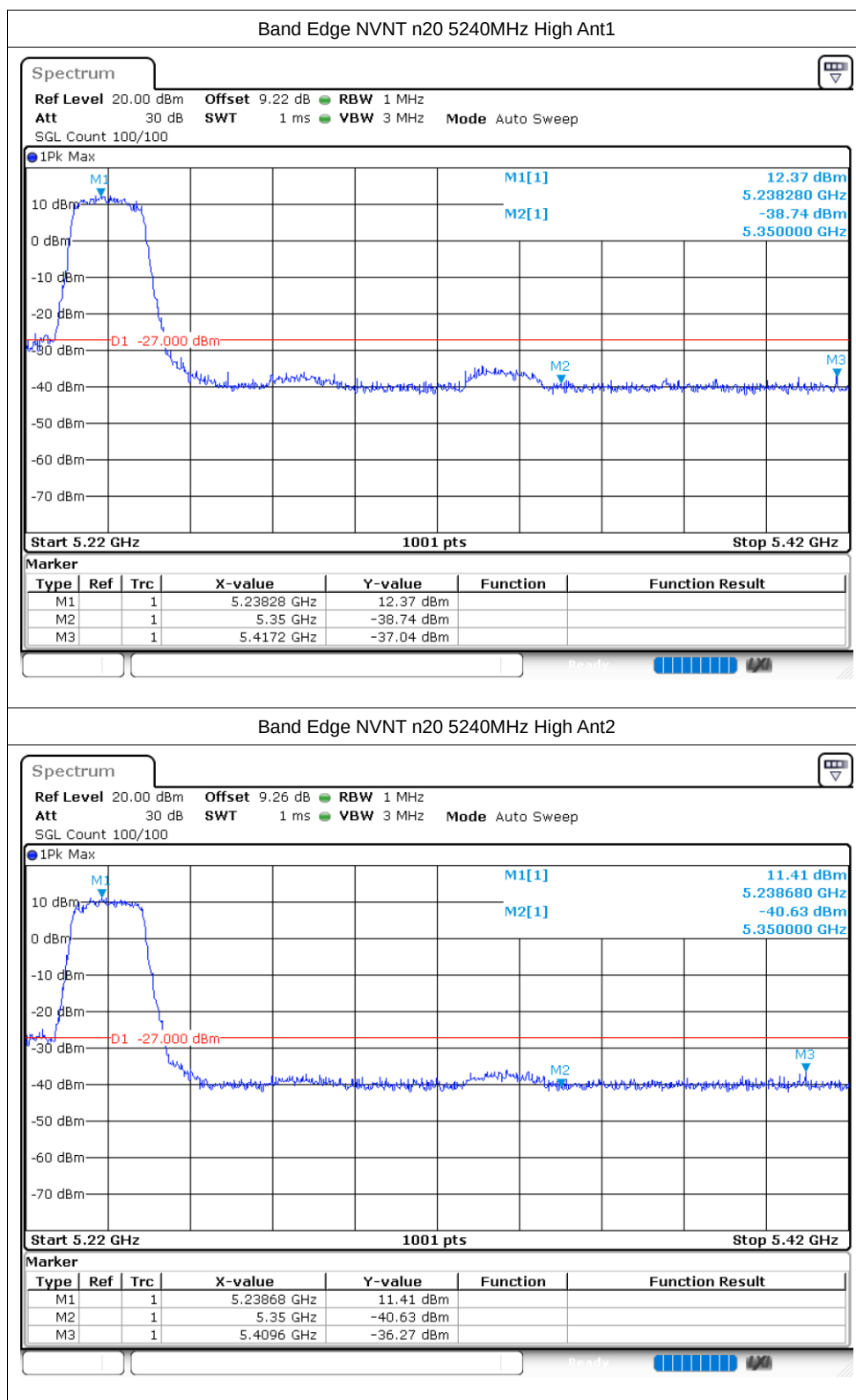


Band Edge NVNT n20 5180MHz Low Ant1

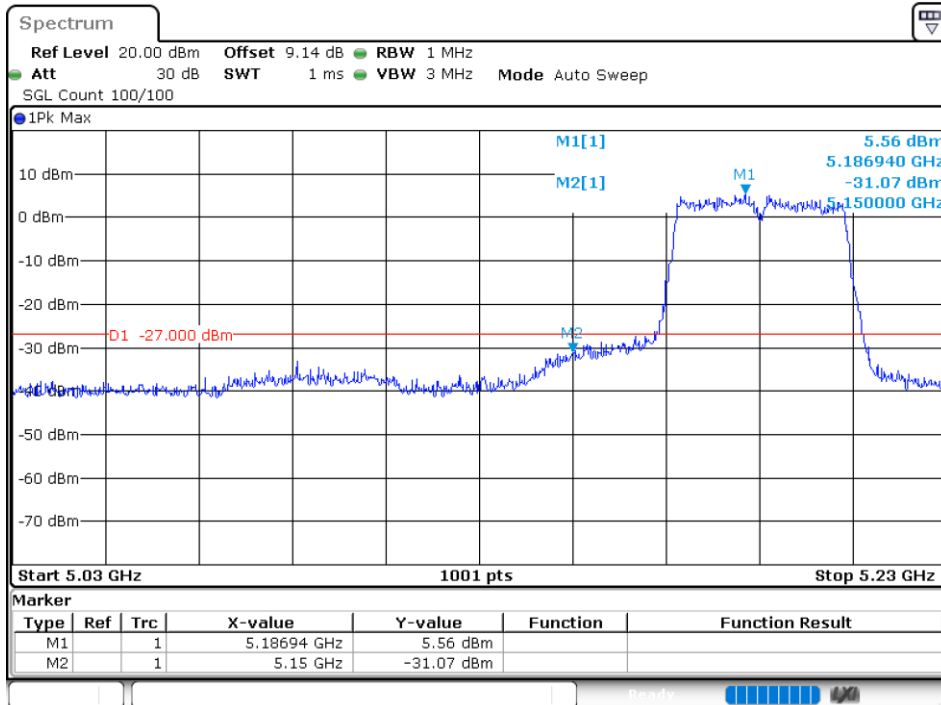


Band Edge NVNT n20 5180MHz Low Ant2

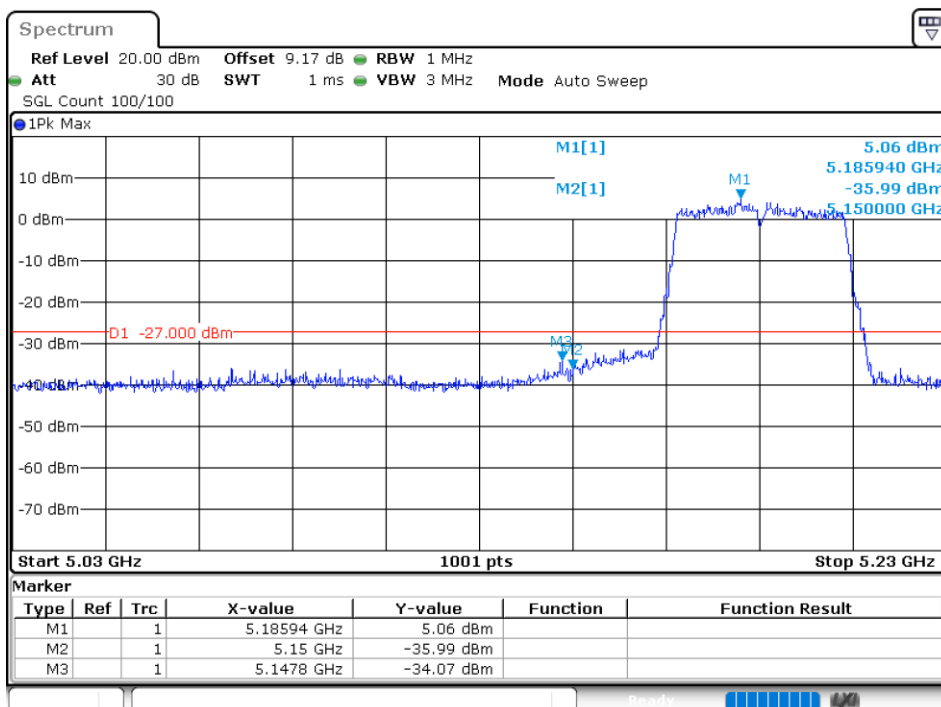




Band Edge NVNT n40 5190MHz Low Ant1



Band Edge NVNT n40 5190MHz Low Ant2

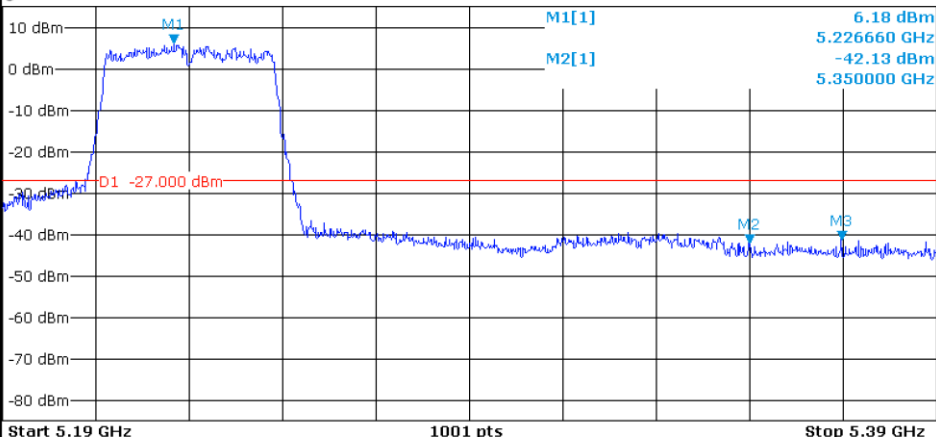


Band Edge NVNT n40 5230MHz High Ant1

Spectrum

Ref Level 15.00 dBm Offset 9.22 dB RBW 1 MHz
Att 25 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



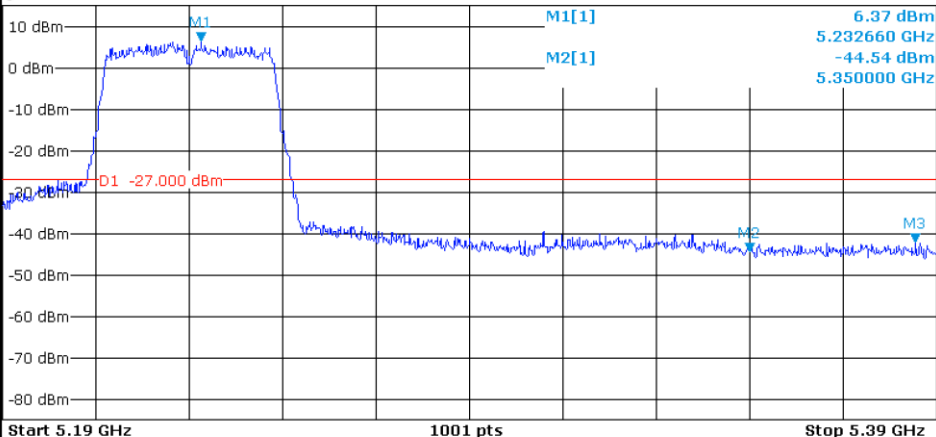
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.22666 GHz	6.18 dBm		
M2	1		5.35 GHz	-42.13 dBm		
M3	1		5.3696 GHz	-41.27 dBm		

Band Edge NVNT n40 5230MHz High Ant2

Spectrum

Ref Level 15.00 dBm Offset 9.25 dB RBW 1 MHz
Att 25 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.23266 GHz	6.37 dBm		
M2	1		5.35 GHz	-44.54 dBm		
M3	1		5.3854 GHz	-42.24 dBm		

5.3GWIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	98.7	0.06	0.49
NVNT	a	5280	Ant1	98.7	0.06	0.48
NVNT	a	5320	Ant1	98.7	0.06	0.48
NVNT	a	5260	Ant2	98.8	0.05	0.48
NVNT	a	5280	Ant2	98.83	0.05	0.49
NVNT	a	5320	Ant2	99.53	0.02	0.48
NVNT	n20	5260	Ant1	98.63	0.06	0.52
NVNT	n20	5280	Ant1	98.62	0.06	0.52
NVNT	n20	5320	Ant1	98.61	0.06	0.52
NVNT	n20	5260	Ant2	98.7	0.06	0.52
NVNT	n20	5280	Ant2	98.69	0.06	0.52
NVNT	n20	5320	Ant2	99.52	0.02	0.52
NVNT	n40	5270	Ant1	97.29	0.12	1.05
NVNT	n40	5310	Ant1	97.17	0.12	1.06
NVNT	n40	5270	Ant2	97.37	0.12	1.05
NVNT	n40	5310	Ant2	97.38	0.12	1.06
NVNT	ac20	5260	Ant1	98.62	0.06	0.52
NVNT	ac20	5280	Ant1	98.64	0.06	0.52
NVNT	ac20	5320	Ant1	98.62	0.06	0.52
NVNT	ac20	5260	Ant2	98.72	0.06	0.52
NVNT	ac20	5280	Ant2	98.74	0.06	0.51
NVNT	ac20	5320	Ant2	99.54	0.02	0.52
NVNT	ac40	5270	Ant1	97.2	0.12	1.05
NVNT	ac40	5310	Ant1	97.32	0.12	1.05
NVNT	ac40	5270	Ant2	97.41	0.11	1.05
NVNT	ac40	5310	Ant2	98.81	0.05	1.04
NVNT	ac80	5290	Ant1	94	0.27	2.17
NVNT	ac80	5290	Ant2	96	0.18	2.13