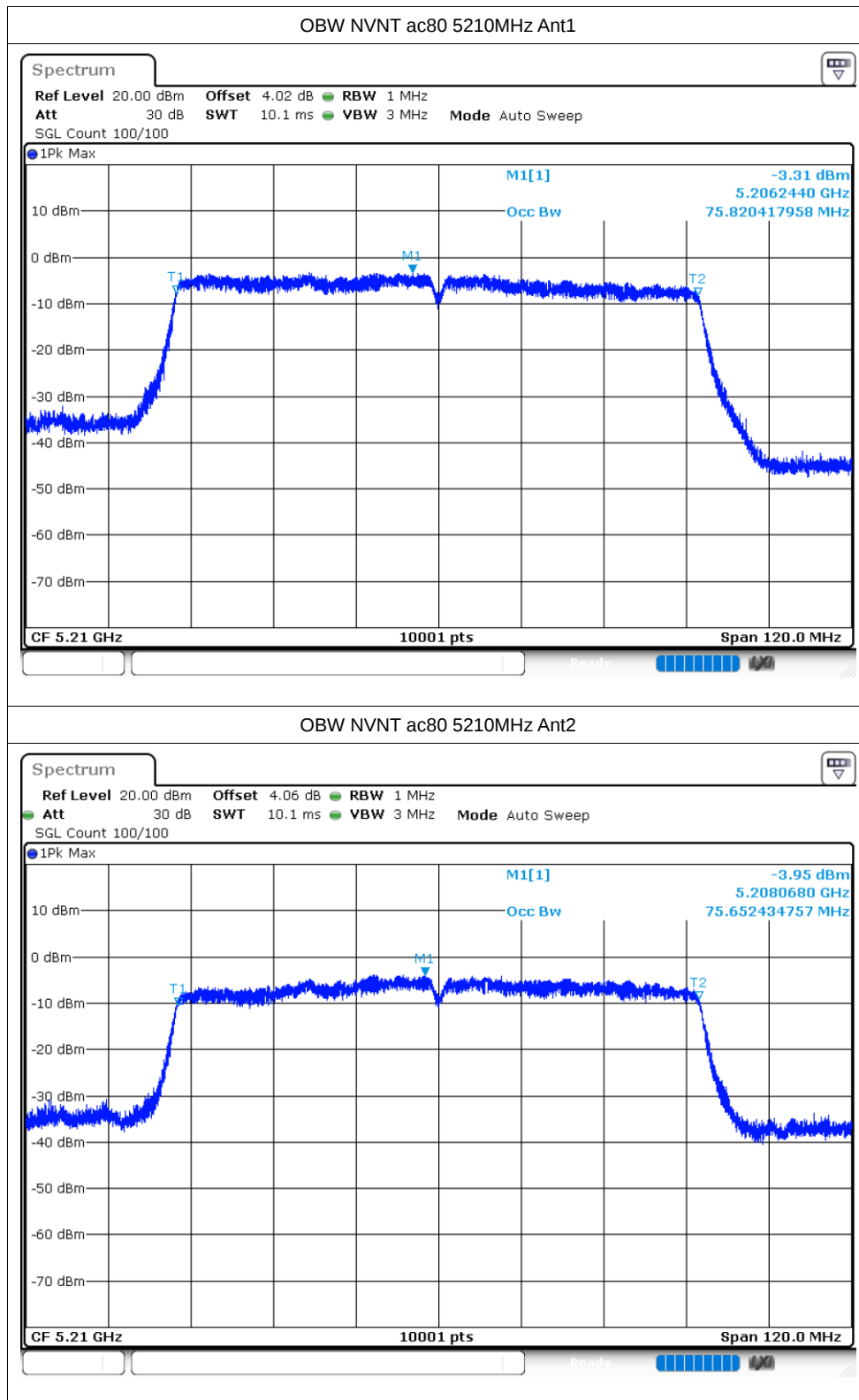


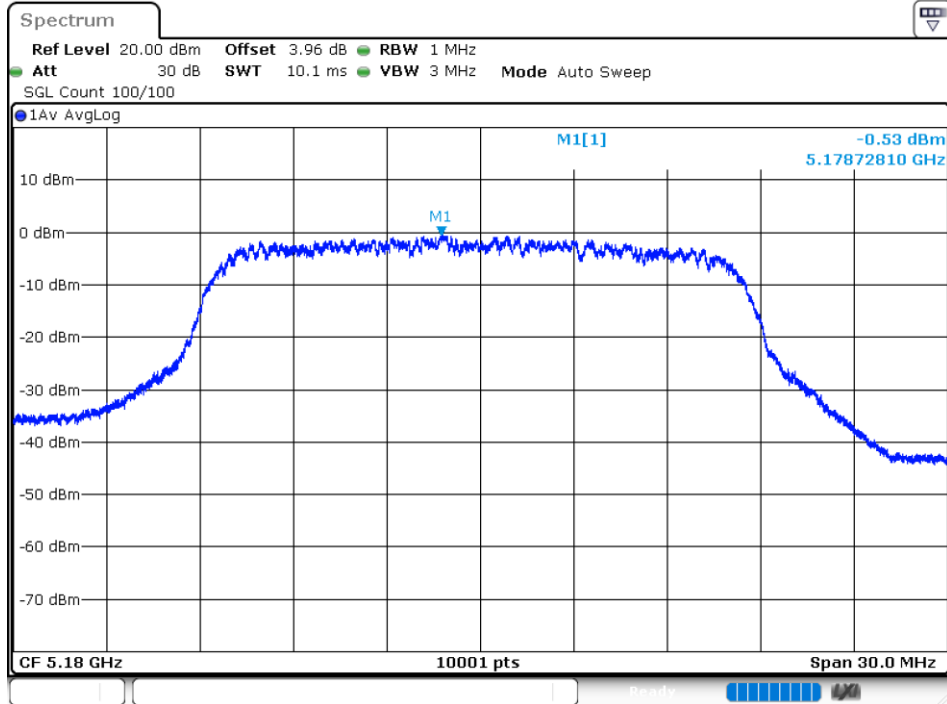


Maximum Power Spectral Density Level

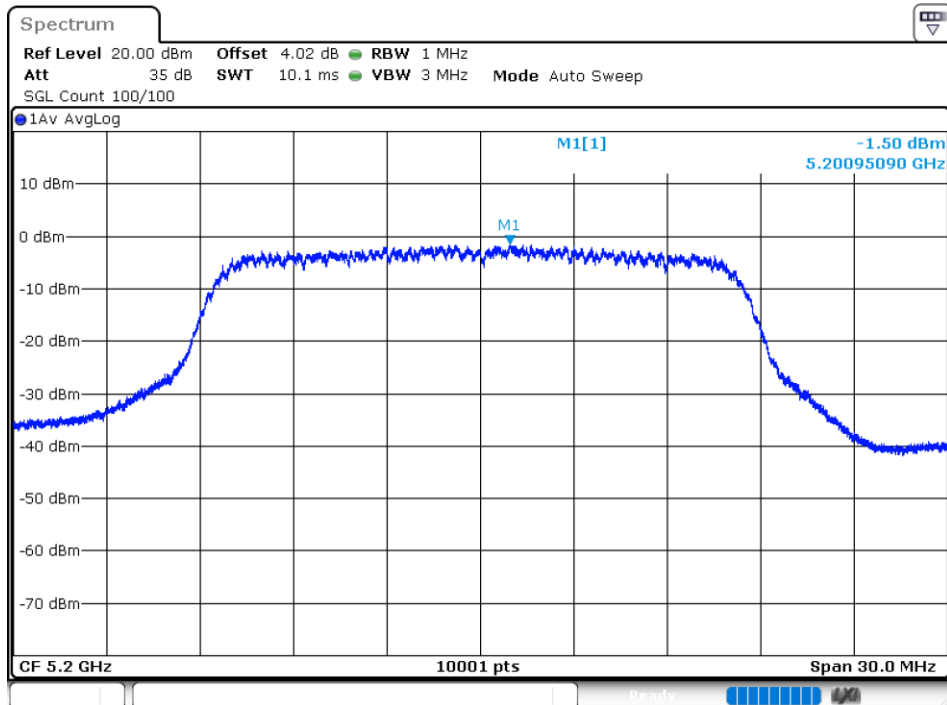
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.53	0.06	-0.47	11	Pass
NVNT	a	5200	Ant1	-1.5	0.06	-1.44	11	Pass
NVNT	a	5240	Ant1	-0.6	0.06	-0.54	11	Pass
NVNT	a	5180	Ant2	-2.54	0.06	-2.48	11	Pass
NVNT	a	5200	Ant2	-1.04	0.06	-0.98	11	Pass
NVNT	a	5240	Ant2	-0.63	0.06	-0.57	11	Pass
NVNT	n20	5180	Ant1	-0.9	0.06	-0.84	11	Pass
NVNT	n20	5200	Ant1	-1.87	0.06	-1.81	11	Pass
NVNT	n20	5240	Ant1	-1.42	0.06	-1.36	11	Pass
NVNT	n20	5180	Ant2	-4.01	0.06	-3.95	11	Pass
NVNT	n20	5200	Ant2	-2.89	0.06	-2.83	11	Pass
NVNT	n20	5240	Ant2	-2.05	0.06	-1.99	11	Pass
NVNT	n40	5190	Ant1	-8.25	0.12	-8.13	11	Pass
NVNT	n40	5230	Ant1	-7.12	0.12	-7	11	Pass
NVNT	n40	5190	Ant2	-9.63	0.12	-9.51	11	Pass
NVNT	n40	5230	Ant2	-8.26	0.12	-8.14	11	Pass
NVNT	ac20	5180	Ant1	-1.75	0.06	-1.69	11	Pass
NVNT	ac20	5200	Ant1	-2.12	0.06	-2.06	11	Pass
NVNT	ac20	5240	Ant1	-1.22	0.06	-1.16	11	Pass
NVNT	ac20	5180	Ant2	-4.27	0.06	-4.21	11	Pass
NVNT	ac20	5200	Ant2	-2.86	0.06	-2.8	11	Pass
NVNT	ac20	5240	Ant2	-2.18	0.06	-2.12	11	Pass
NVNT	ac40	5190	Ant1	-8.08	0.12	-7.96	11	Pass
NVNT	ac40	5230	Ant1	-6.84	0.12	-6.72	11	Pass
NVNT	ac40	5190	Ant2	-10.31	0.12	-10.19	11	Pass
NVNT	ac40	5230	Ant2	-8.67	0.12	-8.55	11	Pass
NVNT	ac80	5210	Ant1	-13.82	0.36	-13.46	11	Pass
NVNT	ac80	5210	Ant2	-14.88	0.26	-14.62	11	Pass

Test Graphs

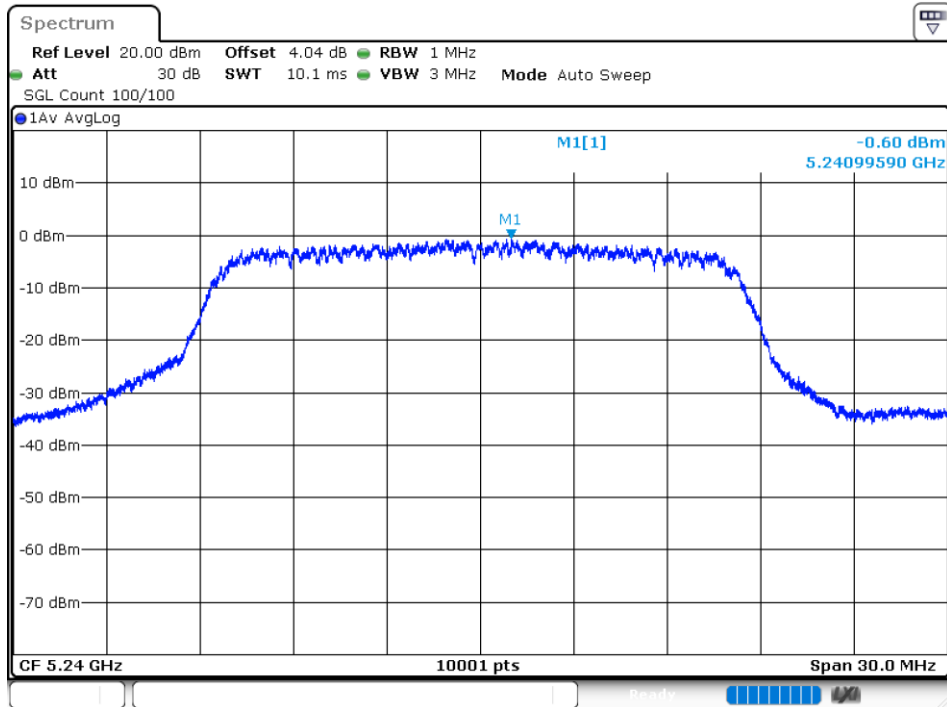
PSD NVNT a 5180MHz Ant1



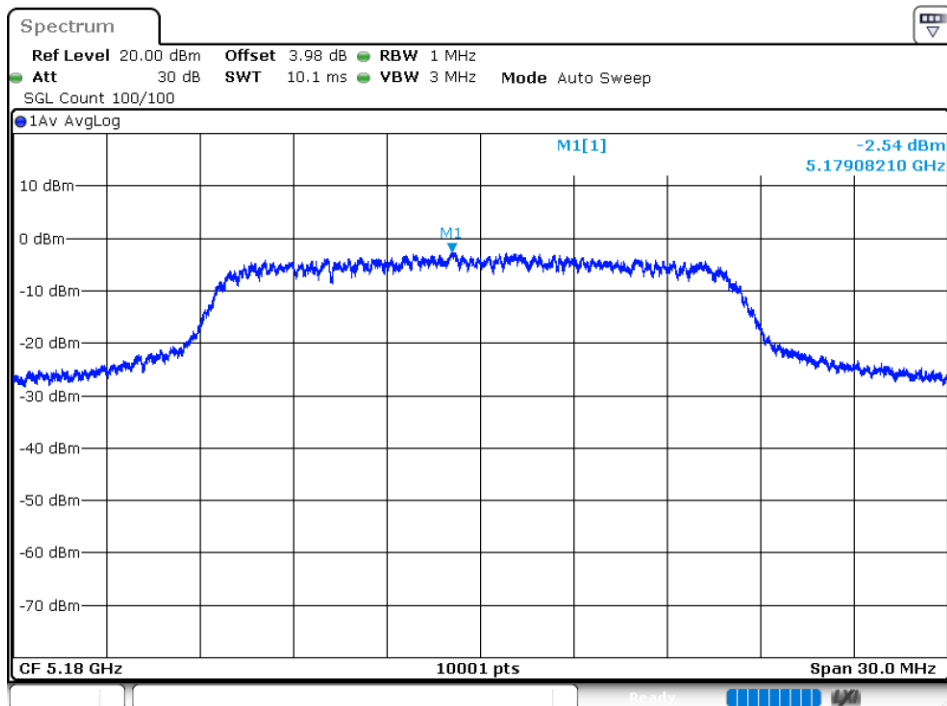
PSD NVNT a 5200MHz Ant1

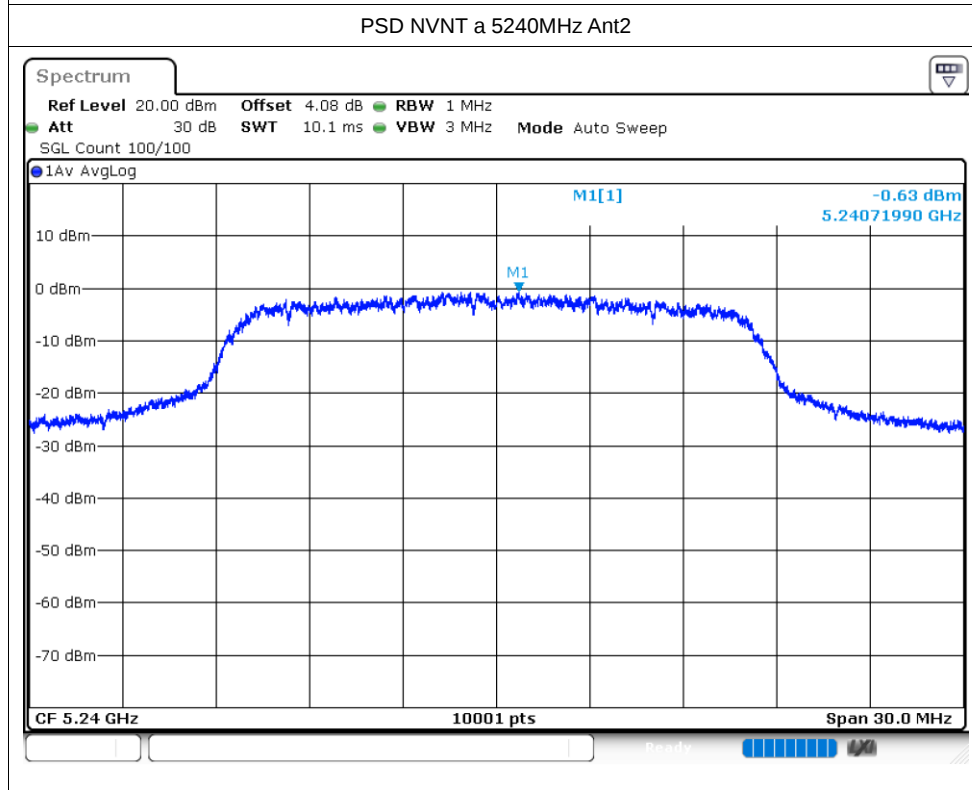
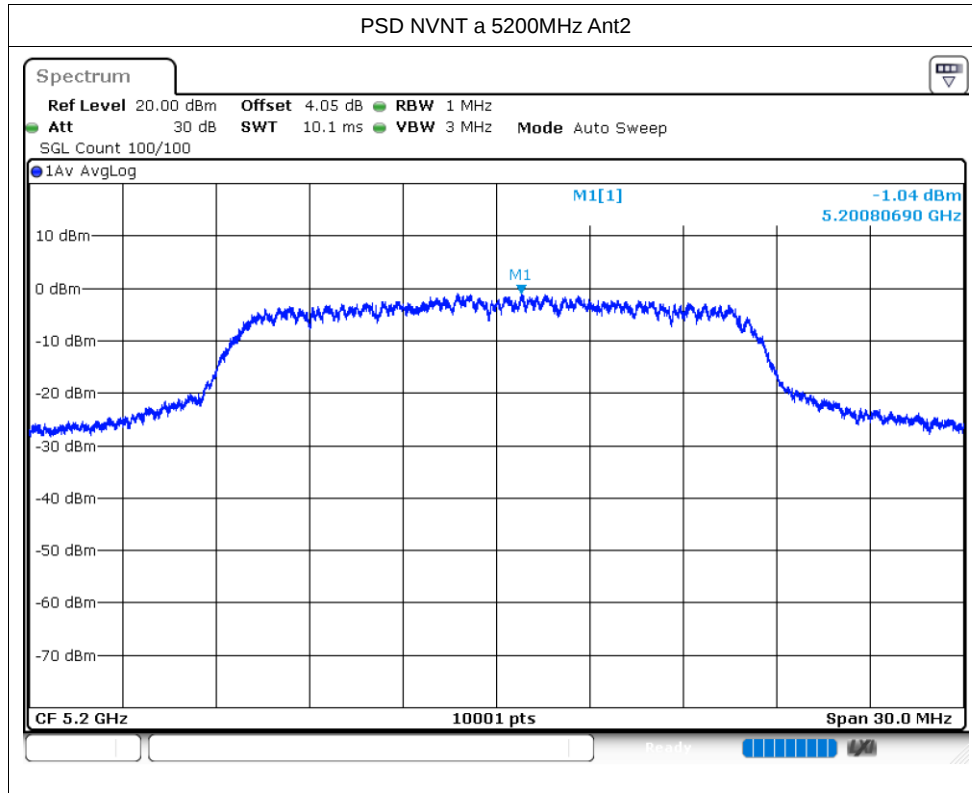


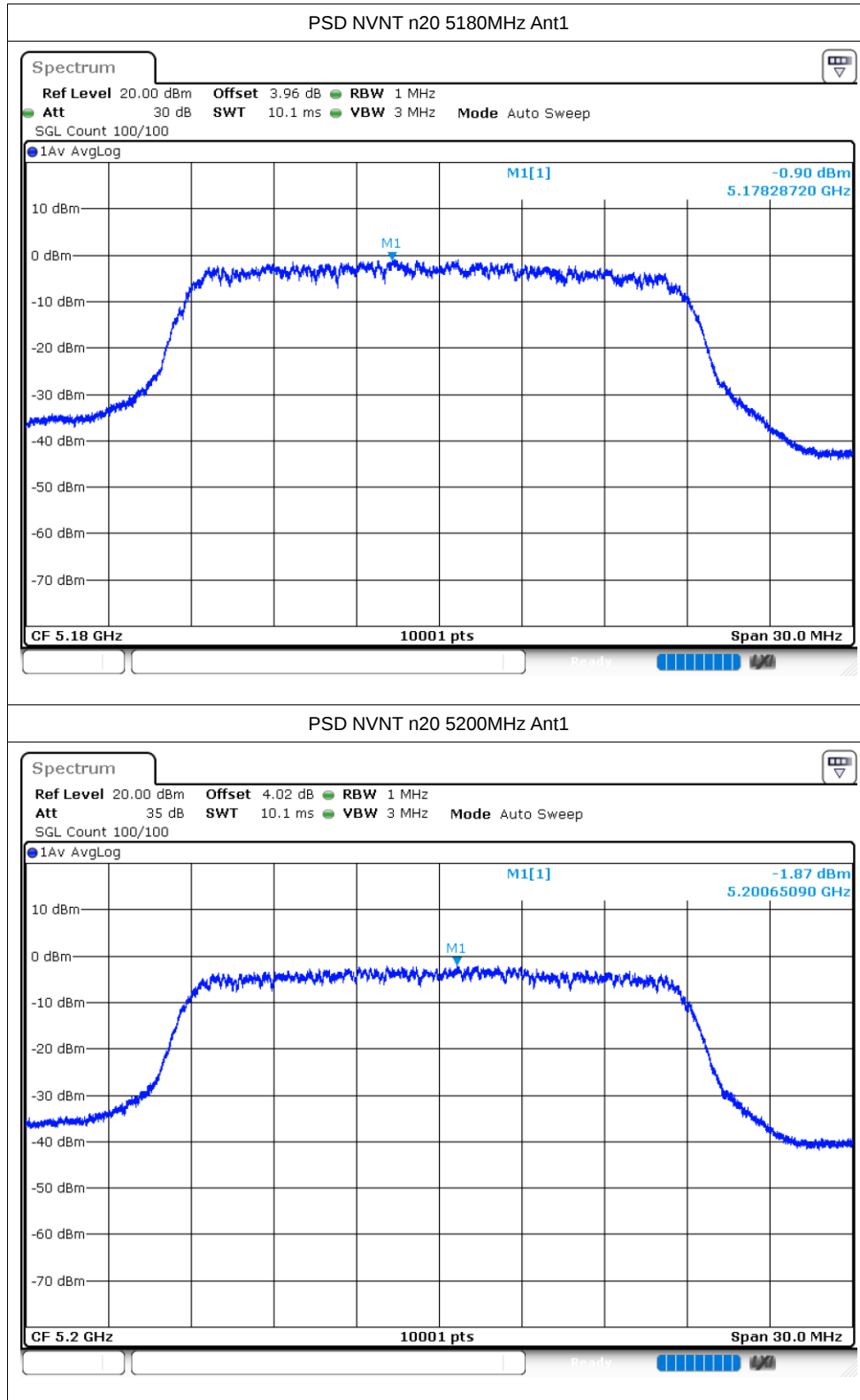
PSD NVNT a 5240MHz Ant1

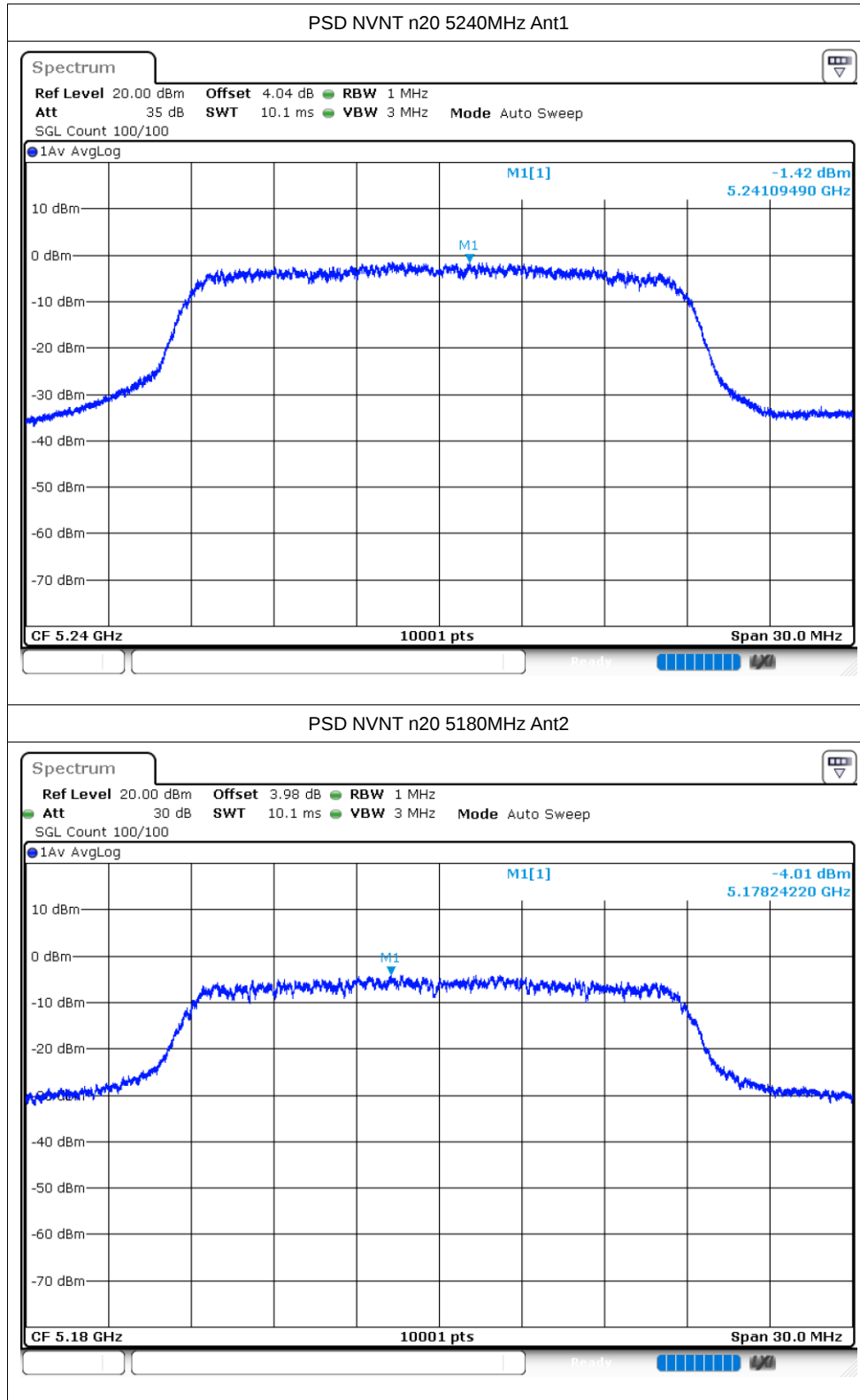


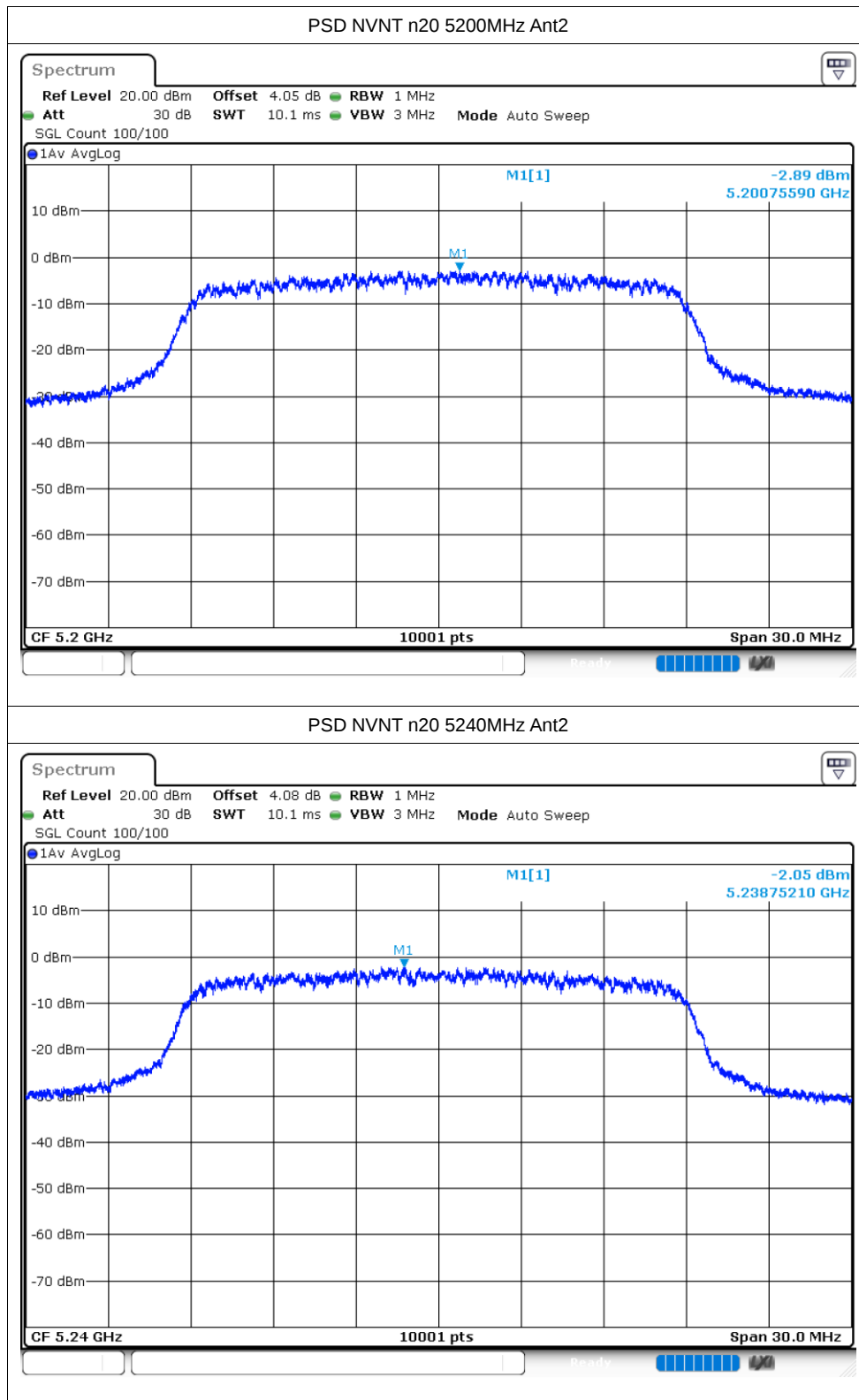
PSD NVNT a 5180MHz Ant2

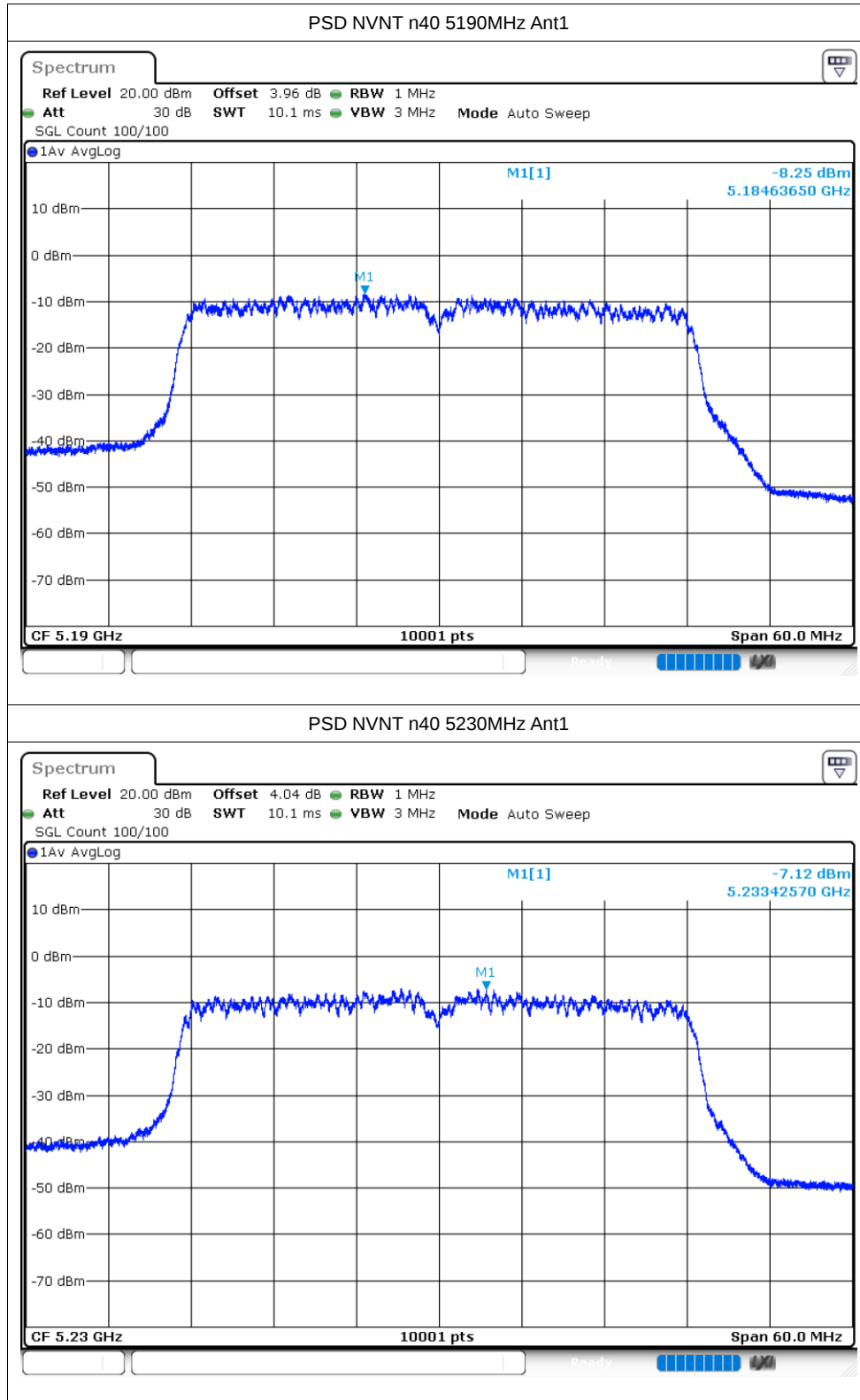


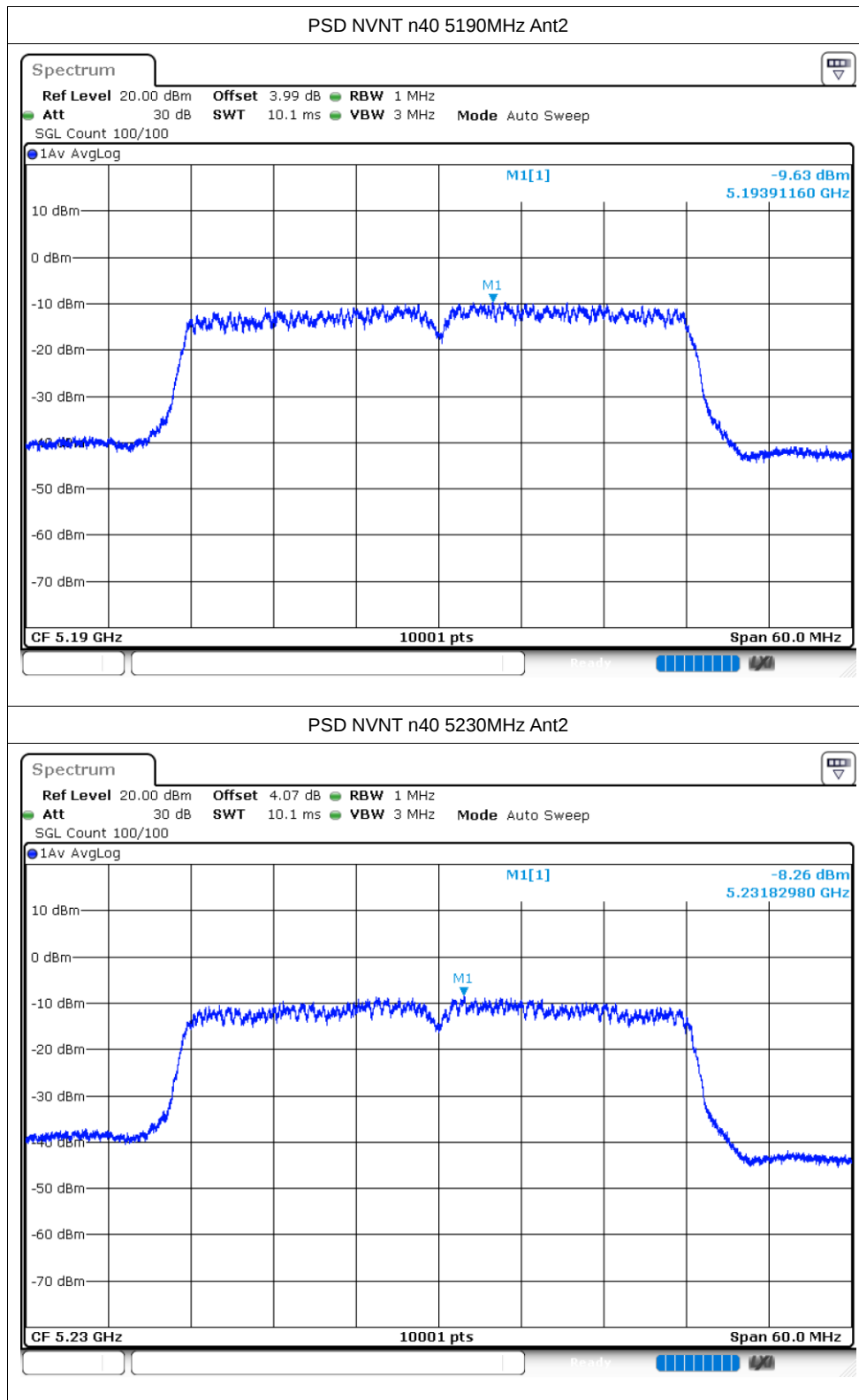


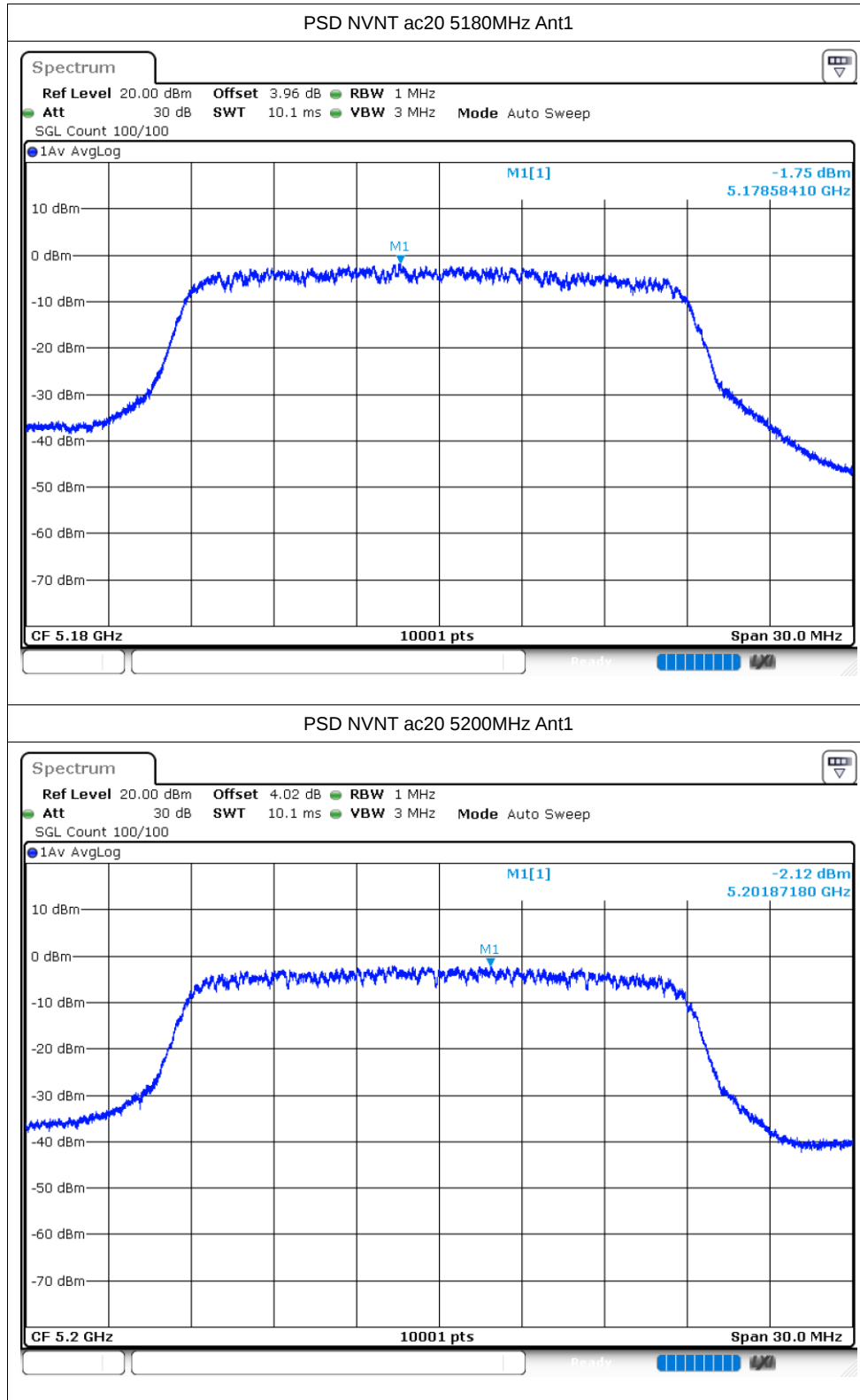


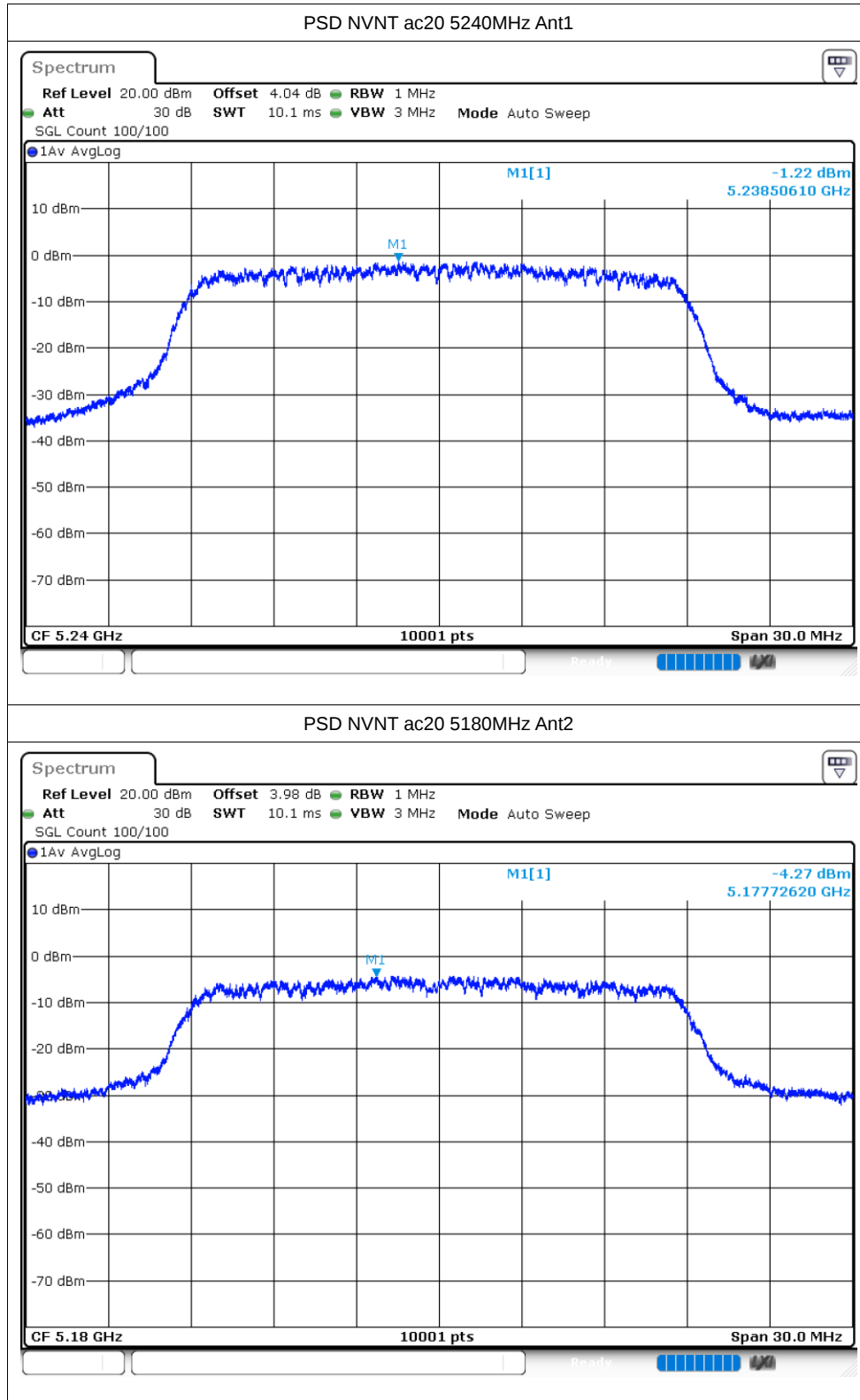


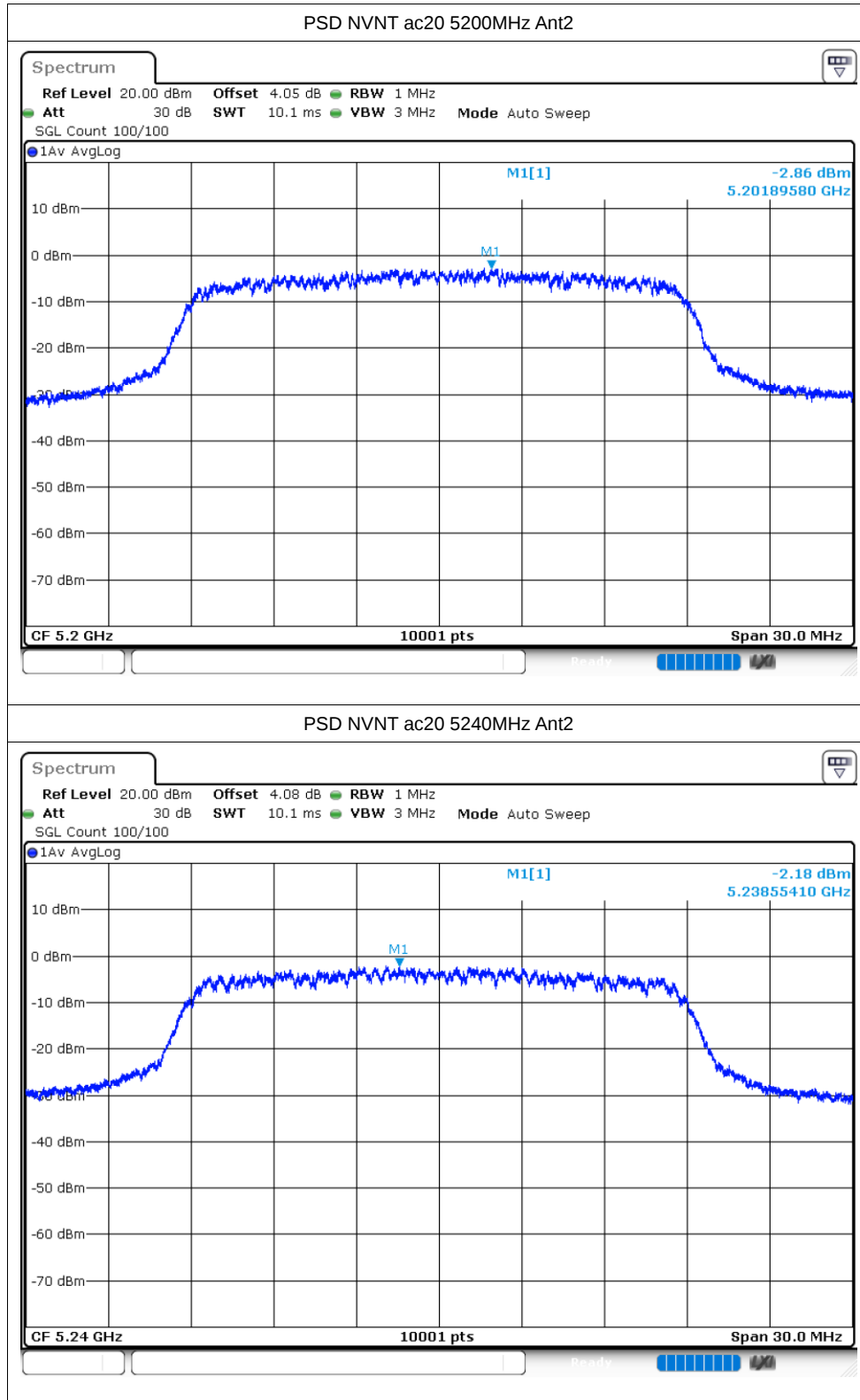


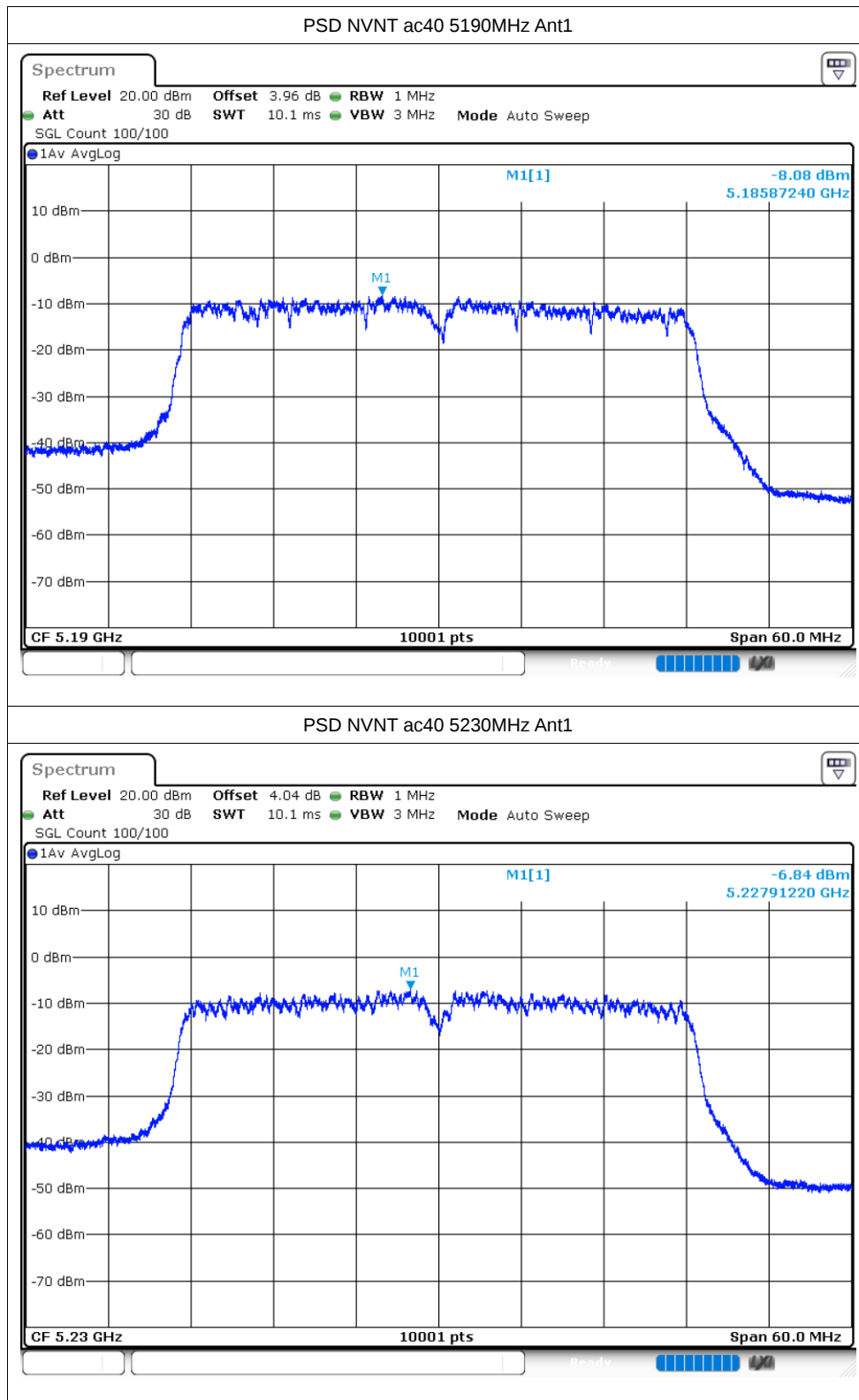


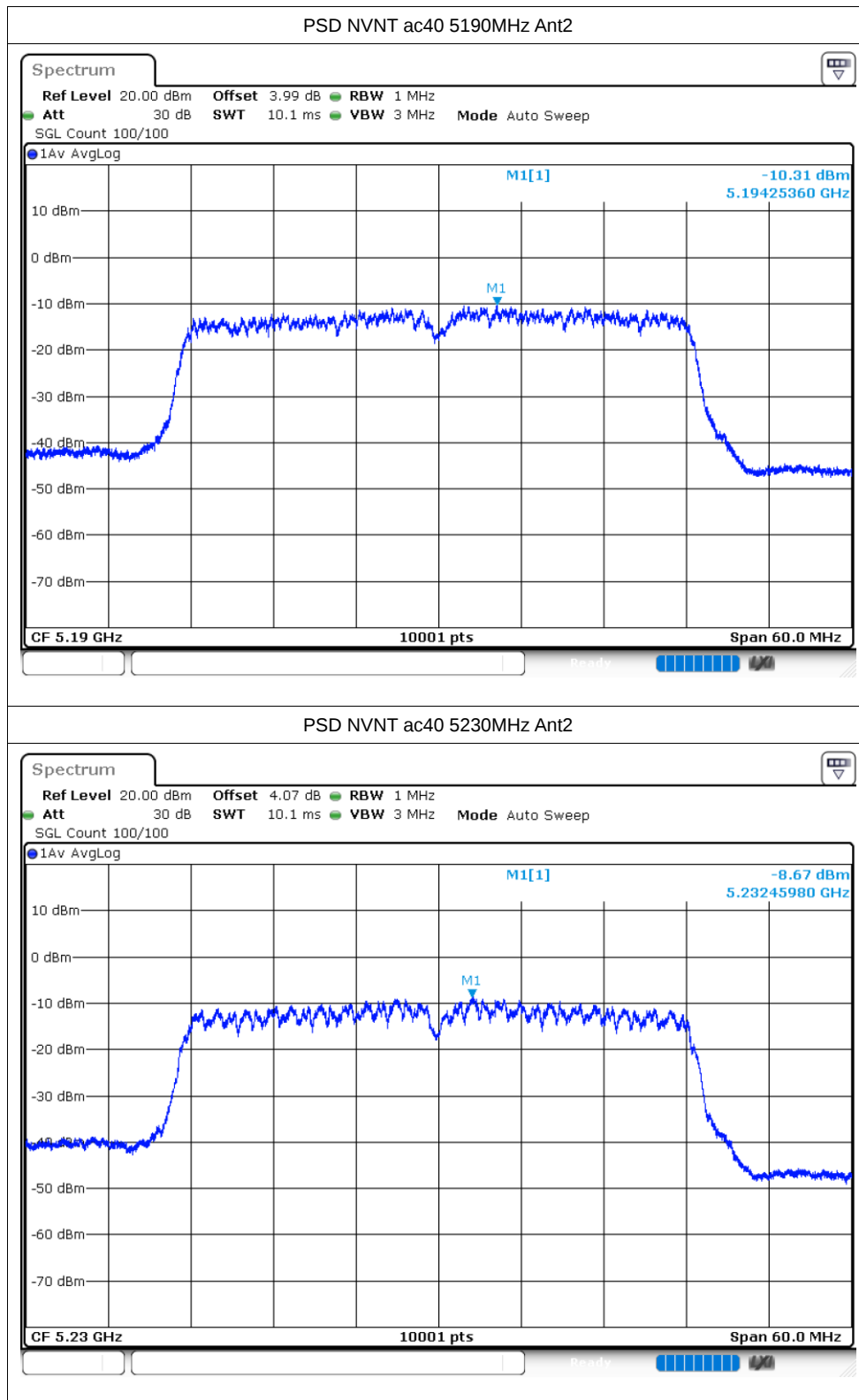


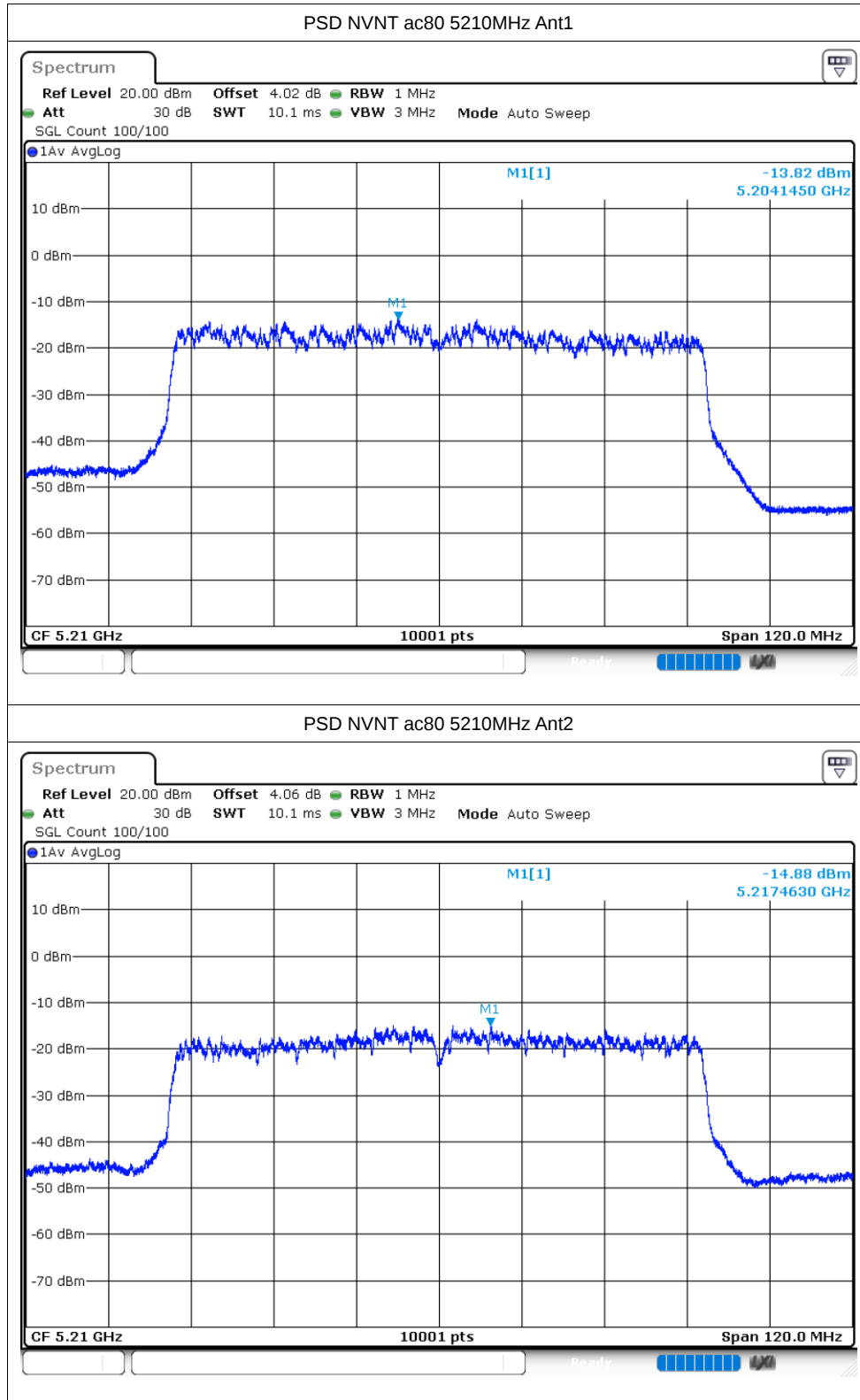












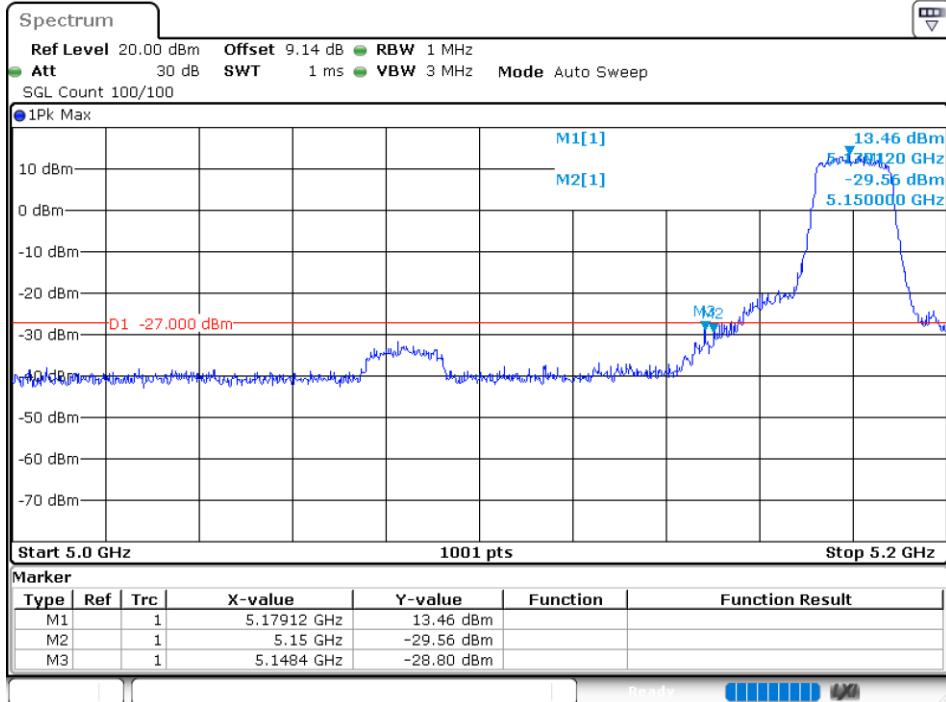
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant1	-28.79	-27	Pass
NVNT	a	5240	Ant1	-37.77	-27	Pass
NVNT	a	5180	Ant2	-27.75	-27	Pass
NVNT	a	5240	Ant2	-37.31	-27	Pass
NVNT	n20	5180	Ant1	-28.17	-27	Pass
NVNT	n20	5240	Ant1	-37.11	-27	Pass
NVNT	n20	5180	Ant2	-32.25	-27	Pass
NVNT	n20	5240	Ant2	-37.46	-27	Pass
NVNT	n40	5190	Ant1	-28.41	-27	Pass
NVNT	n40	5230	Ant1	-38.2	-27	Pass
NVNT	n40	5190	Ant2	-27.49	-27	Pass
NVNT	n40	5230	Ant2	-37.34	-27	Pass
NVNT	ac20	5180	Ant1	-31.34	-27	Pass
NVNT	ac20	5240	Ant1	-38.44	-27	Pass
NVNT	ac20	5180	Ant2	-32.52	-27	Pass
NVNT	ac20	5240	Ant2	-37.8	-27	Pass
NVNT	ac40	5190	Ant1	-27.28	-27	Pass
NVNT	ac40	5230	Ant1	-37.66	-27	Pass
NVNT	ac40	5190	Ant2	-29.34	-27	Pass
NVNT	ac40	5230	Ant2	-38.37	-27	Pass
NVNT	ac80	5210	Ant1	-28.93	-27	Pass
NVNT	ac80	5210	Ant1	-38.49	-27	Pass
NVNT	ac80	5210	Ant2	-28.42	-27	Pass
NVNT	ac80	5210	Ant2	-37.36	-27	Pass

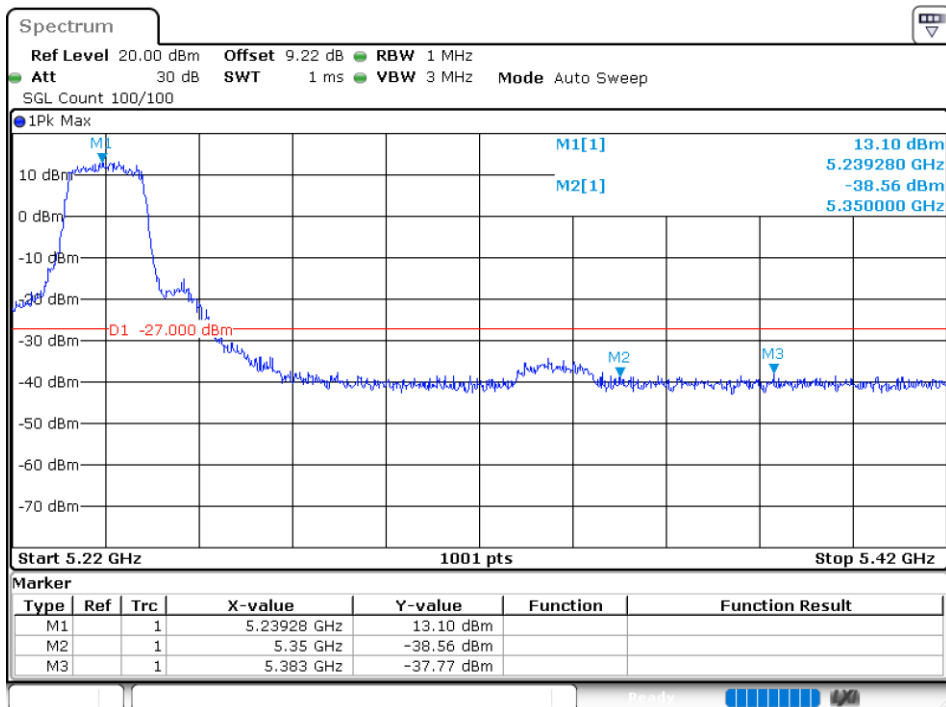
Note: The test results have been added with Antenna Gain.

Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1

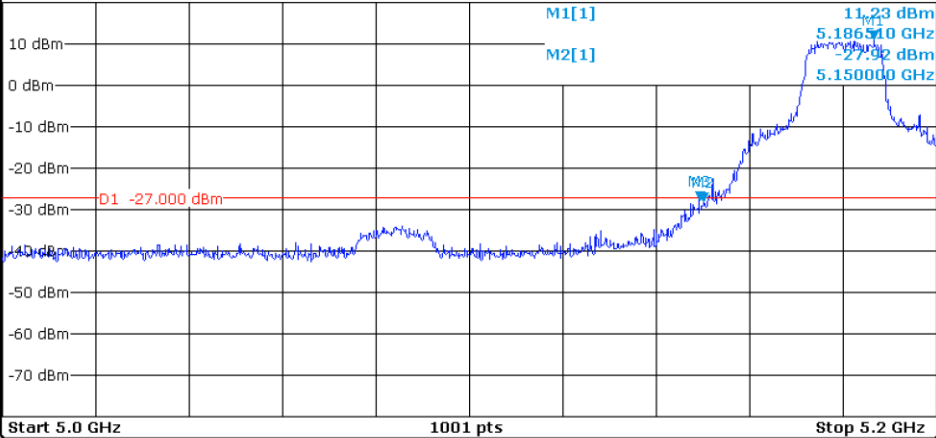


Band Edge NVNT a 5180MHz Low Ant2

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

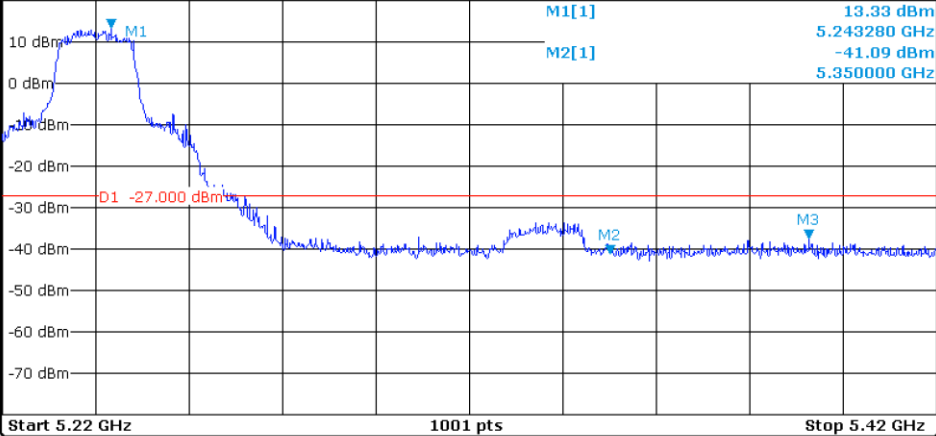
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.18651 GHz	11.23 dBm		
M2		1	5.15 GHz	-27.92 dBm		
M3		1	5.1492 GHz	-27.75 dBm		

Band Edge NVNT a 5240MHz High Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.26 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

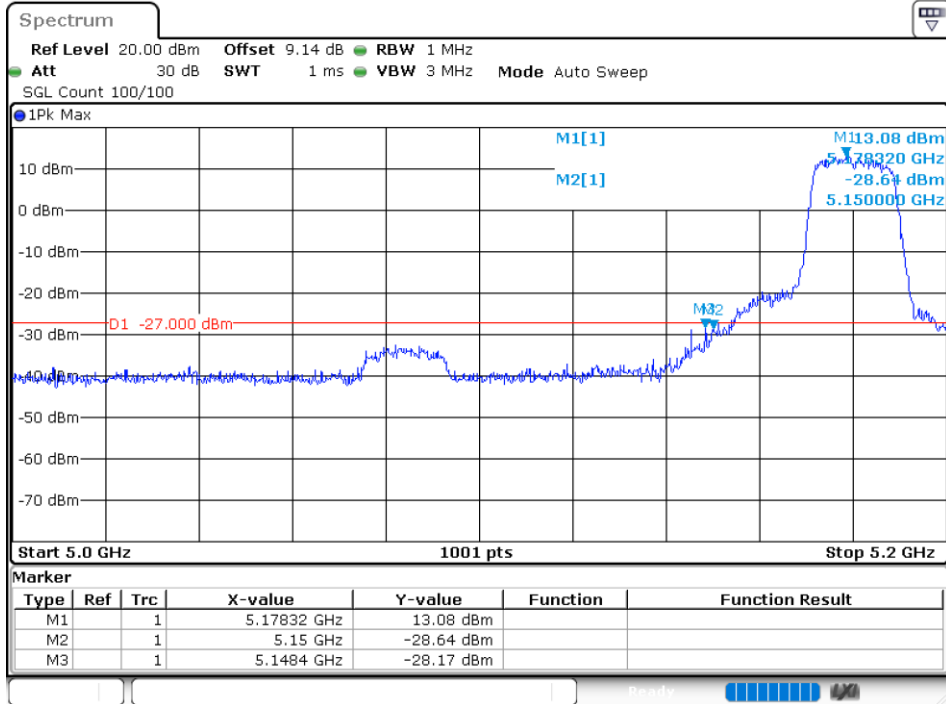
1Pk Max



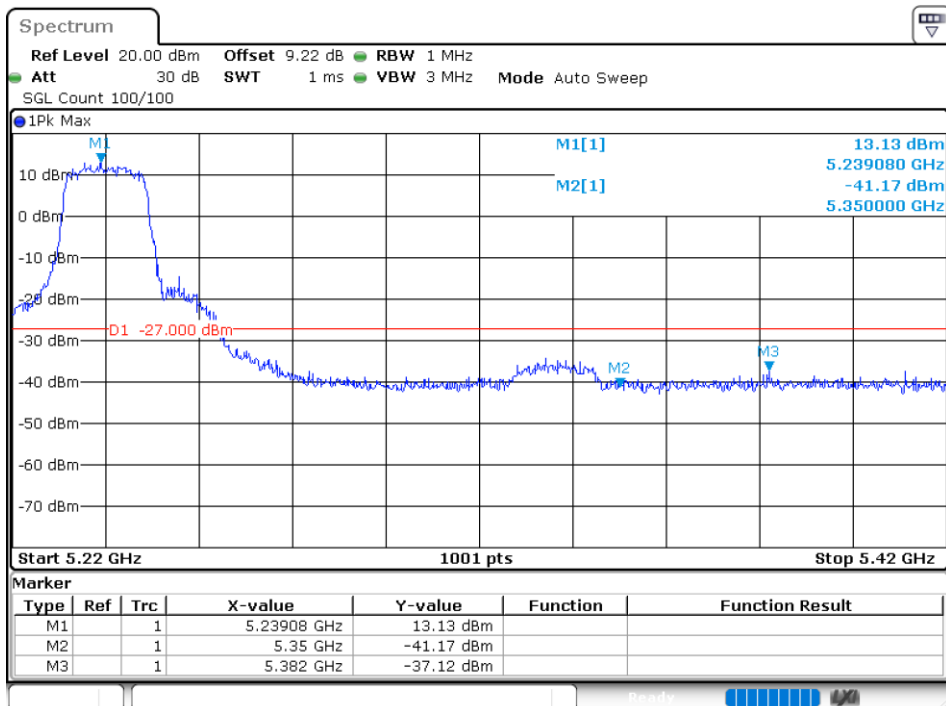
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.24328 GHz	13.33 dBm		
M2		1	5.35 GHz	-41.09 dBm		
M3		1	5.3926 GHz	-37.31 dBm		

Band Edge NVNT n20 5180MHz Low Ant1



Band Edge NVNT n20 5240MHz High Ant1

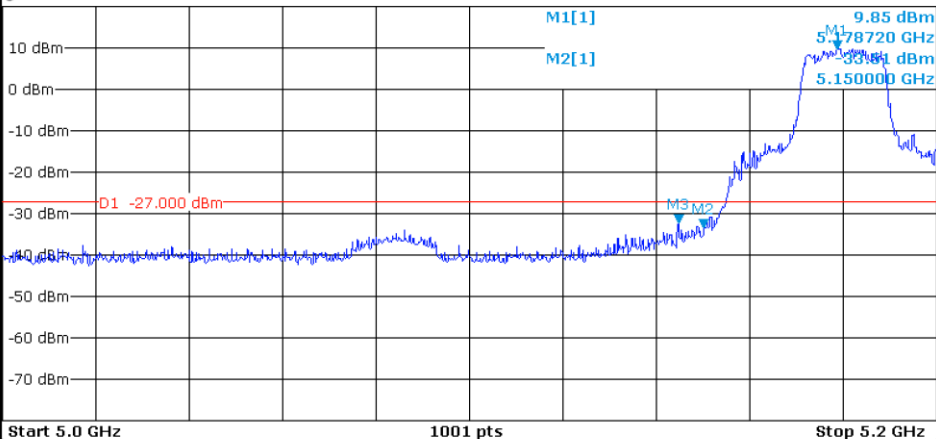


Band Edge NVNT n20 5180MHz Low Ant2

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

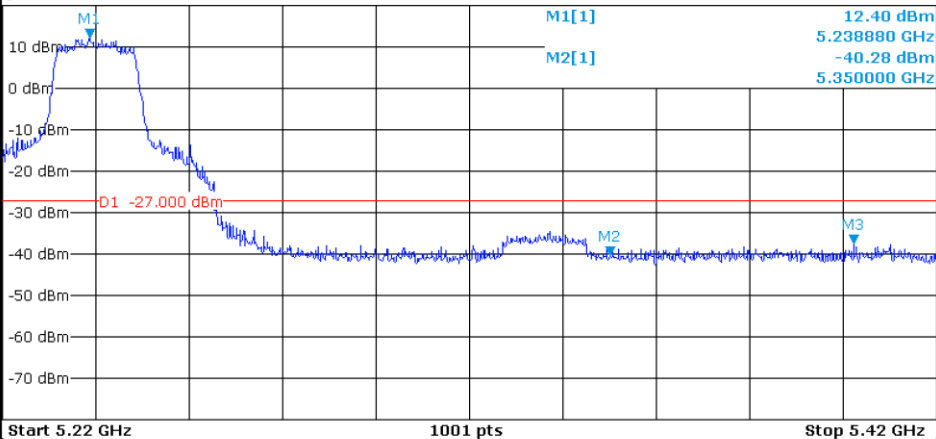
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.17872 GHz	9.85 dBm		
M2		1	5.15 GHz	-33.51 dBm		
M3		1	5.1448 GHz	-32.25 dBm		

Band Edge NVNT n20 5240MHz High Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.26 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

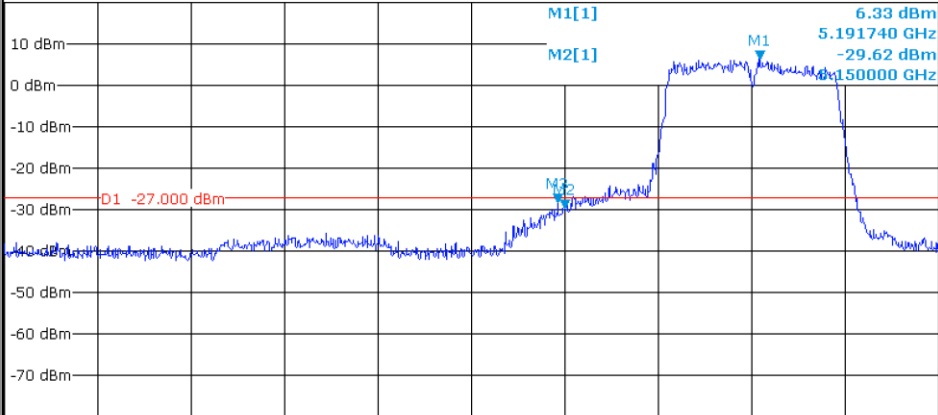
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23888 GHz	12.40 dBm		
M2		1	5.35 GHz	-40.28 dBm		
M3		1	5.4022 GHz	-37.47 dBm		

Band Edge NVNT n40 5190MHz 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

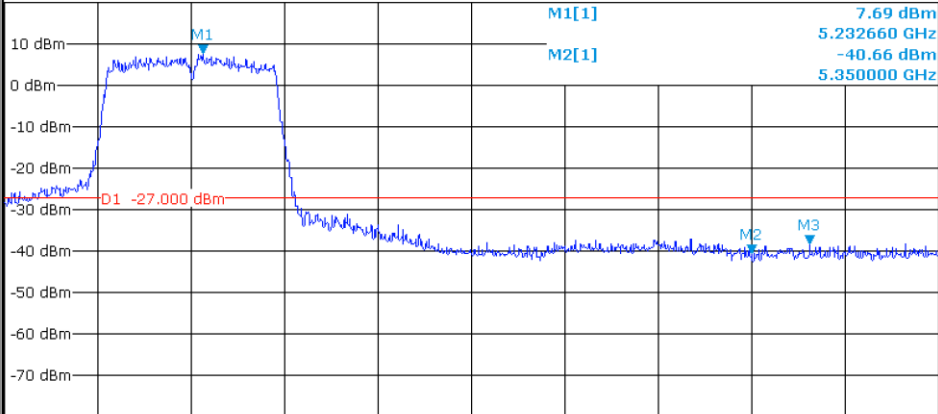
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.19174 GHz	6.33 dBm		
M2	1	1	5.15 GHz	-29.62 dBm		
M3	1	1	5.1484 GHz	-28.41 dBm		

Band Edge NVNT n40 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

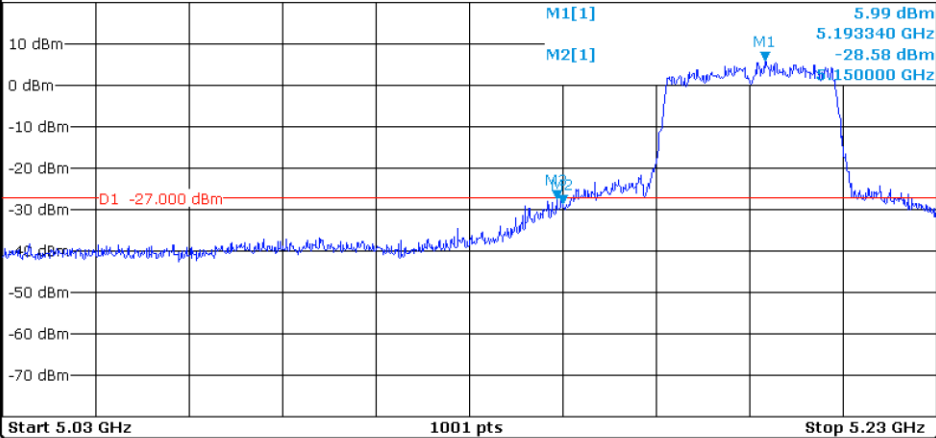
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.23266 GHz	7.69 dBm		
M2	1	1	5.35 GHz	-40.66 dBm		
M3	1	1	5.3624 GHz	-38.21 dBm		

Band Edge NVNT n40 5190MHz Low Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.17 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

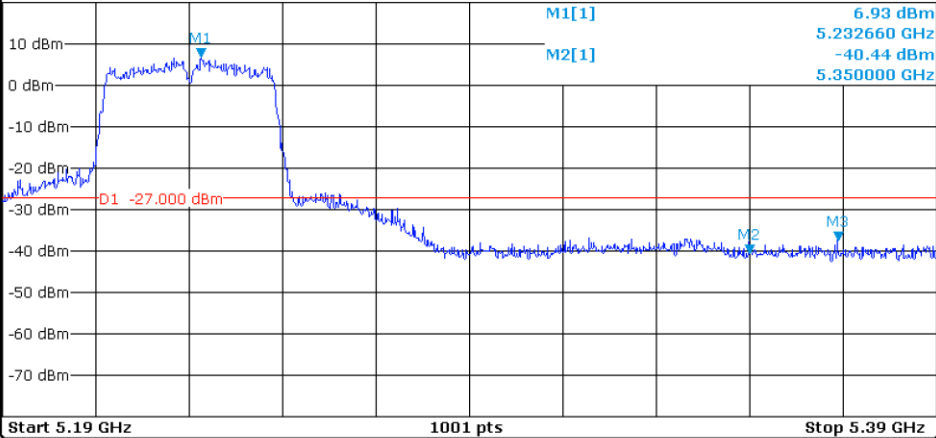
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.19334 GHz	5.99 dBm		
M2		1	5.15 GHz	-28.58 dBm		
M3		1	5.1488 GHz	-27.50 dBm		

Band Edge NVNT n40 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

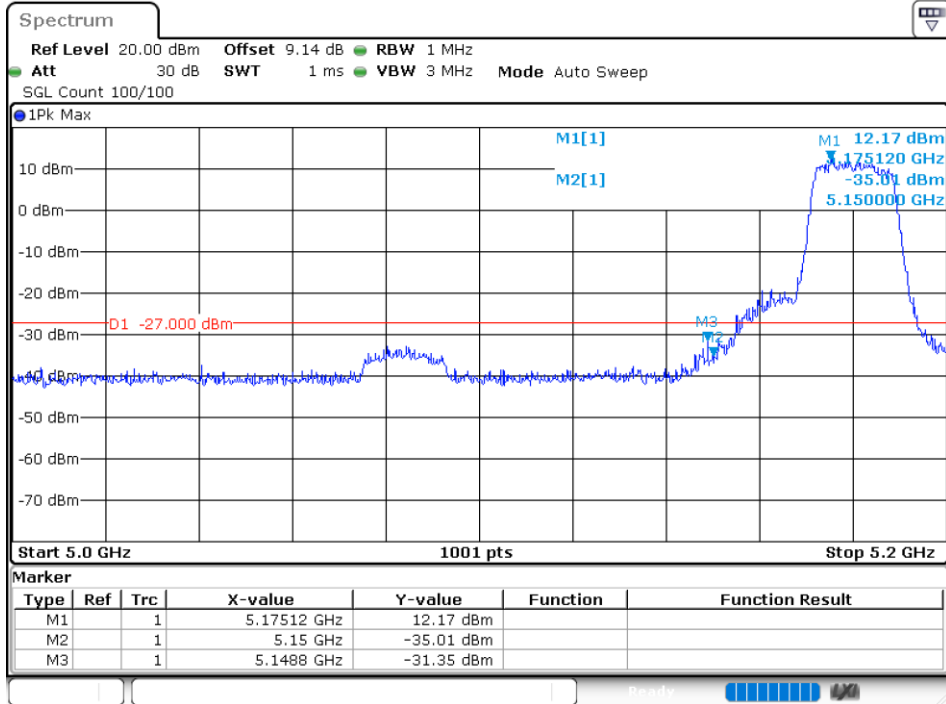
1Pk Max



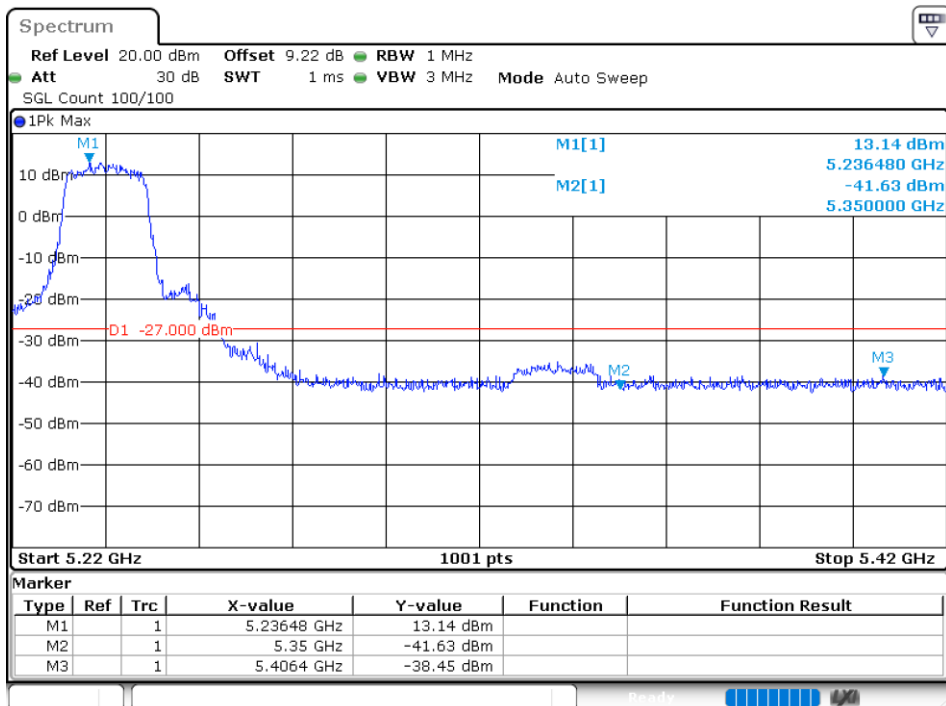
Marker

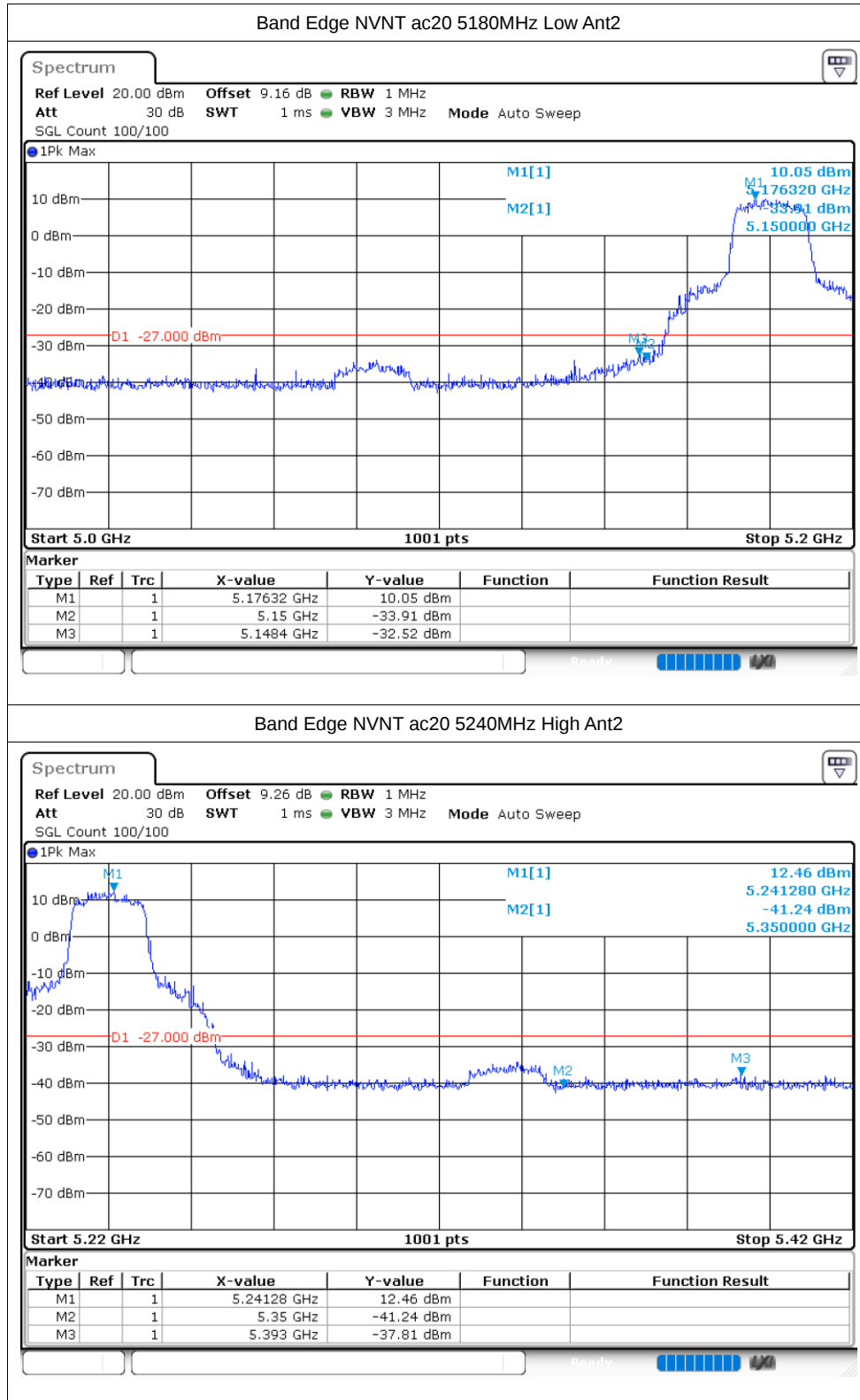
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23266 GHz	6.93 dBm		
M2		1	5.35 GHz	-40.44 dBm		
M3		1	5.3688 GHz	-37.35 dBm		

Band Edge NVNT ac20 5180MHz Low Ant1

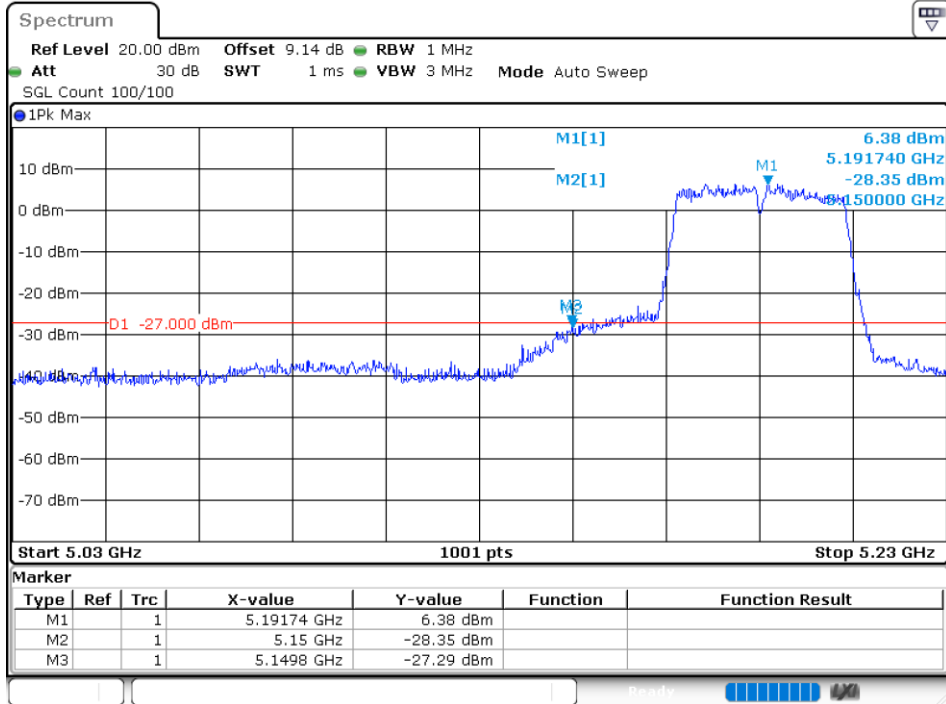


Band Edge NVNT ac20 5240MHz High Ant1

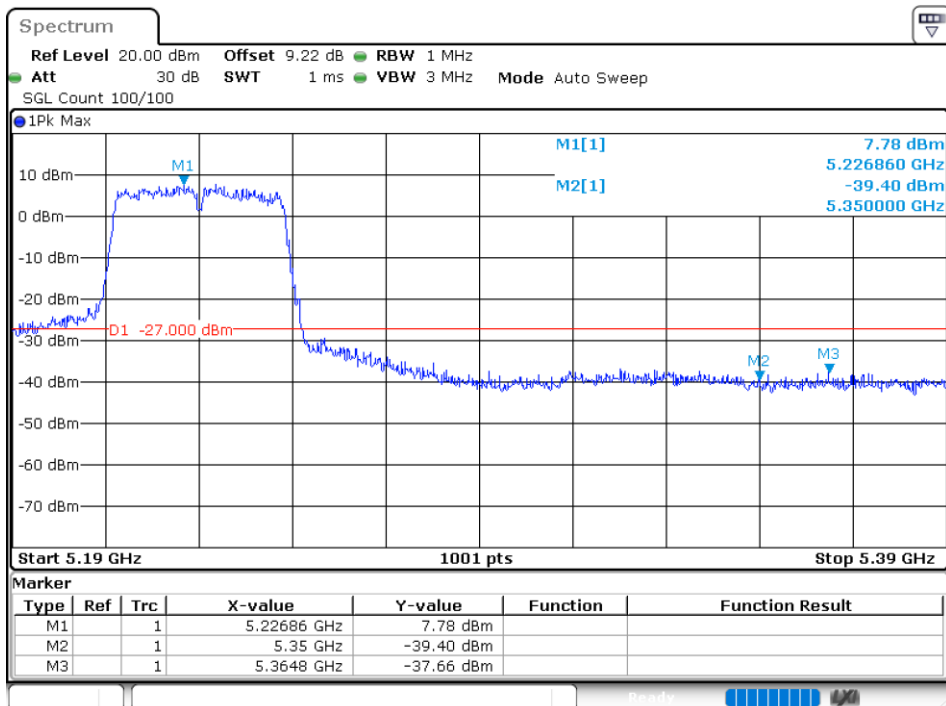




Band Edge NVNT ac40 5190MHz Low Ant1



Band Edge NVNT ac40 5230MHz High Ant1

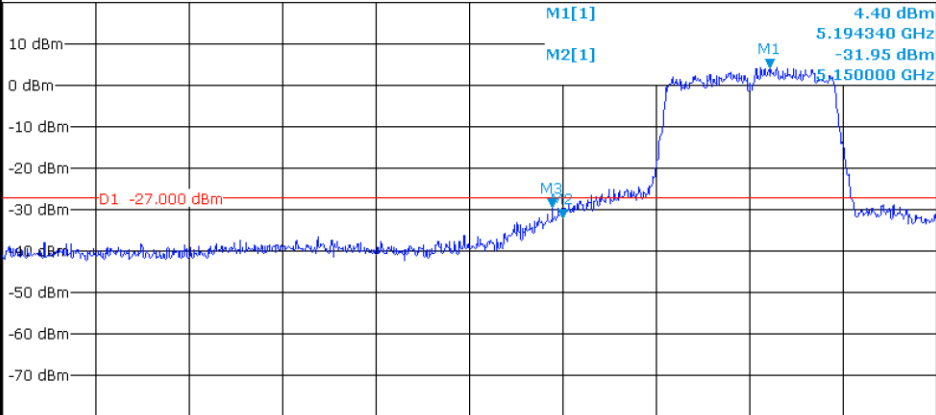


Band Edge NVNT ac40 5190MHz Low Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.17 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Start 5.03 GHz 1001 pts Stop 5.23 GHz

Marker

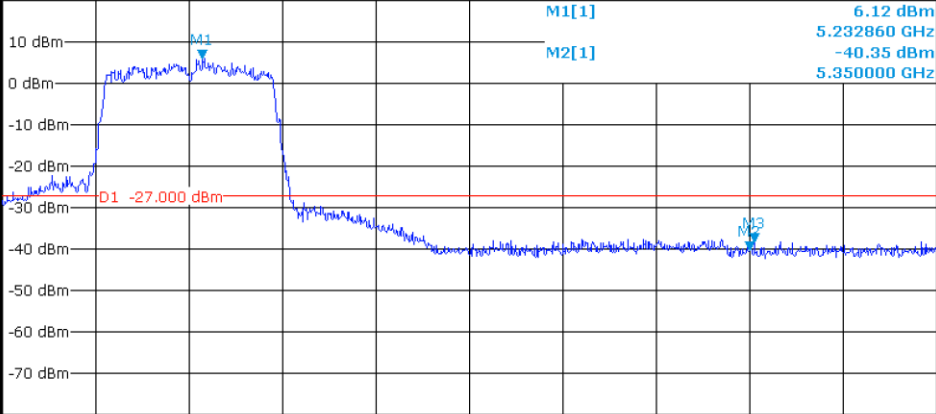
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.19434 GHz	4.40 dBm		
M2		1	5.15 GHz	-31.95 dBm		
M3		1	5.1476 GHz	-29.34 dBm		

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

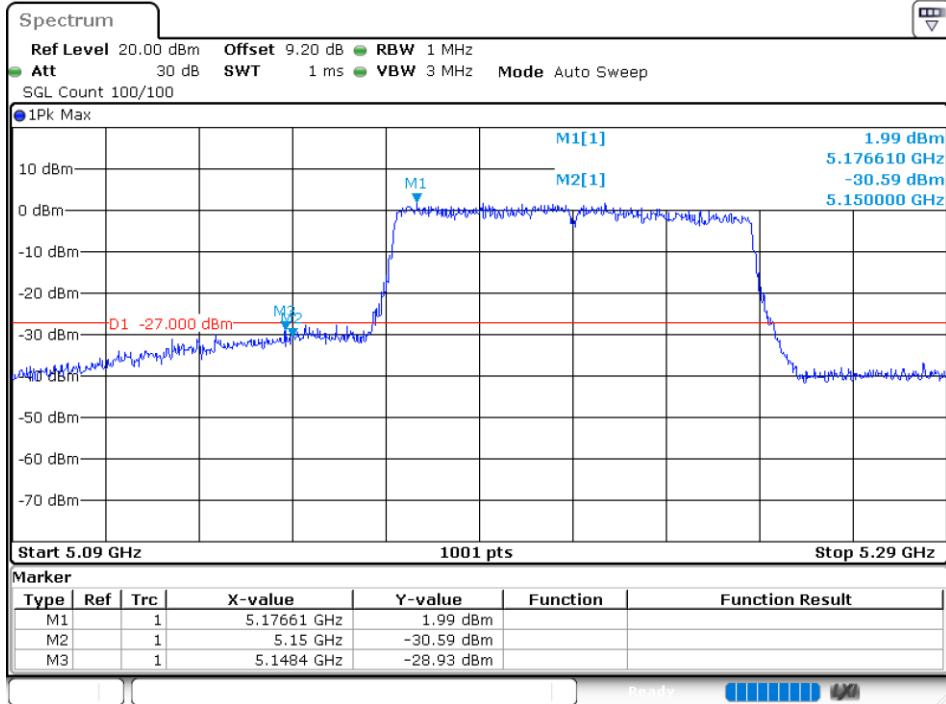


Start 5.19 GHz 1001 pts Stop 5.39 GHz

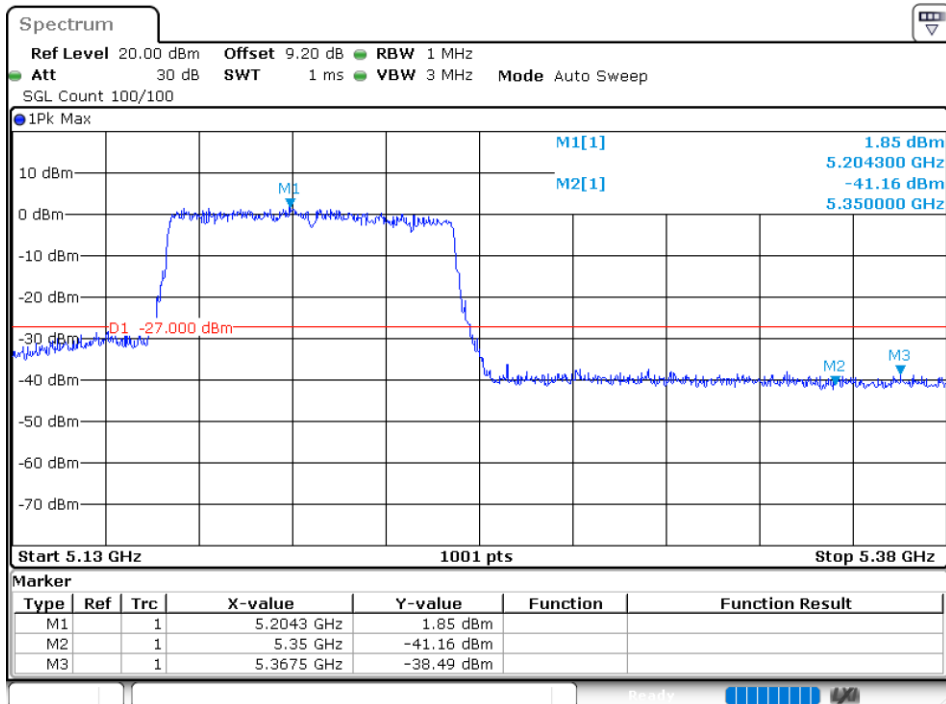
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.23286 GHz	6.12 dBm		
M2		1	5.35 GHz	-40.35 dBm		
M3		1	5.351 GHz	-38.37 dBm		

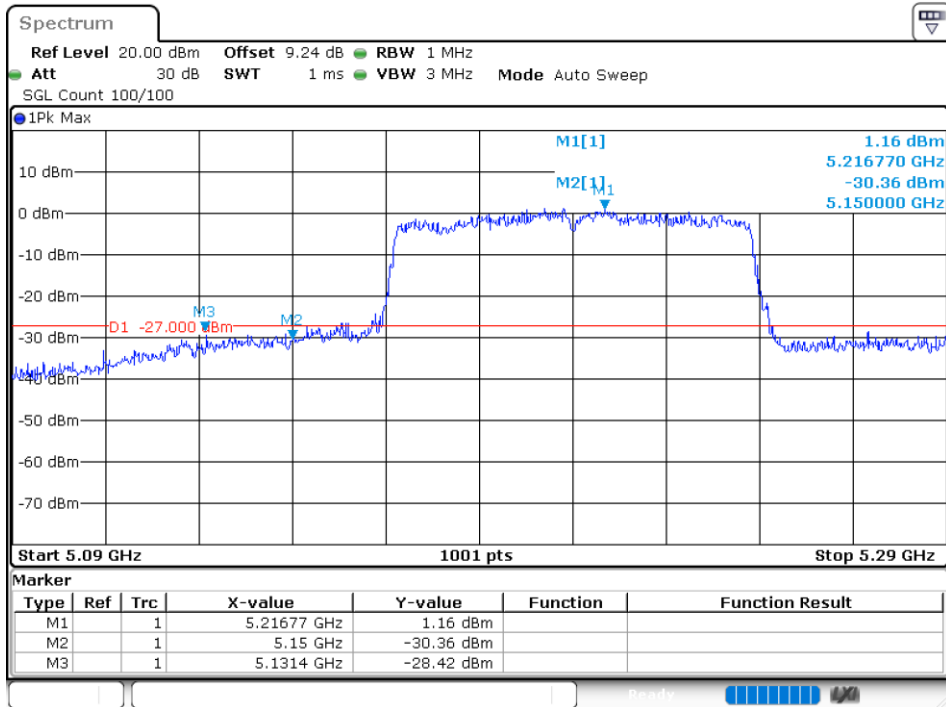
Band Edge NVNT ac80 5210MHz Low Ant1



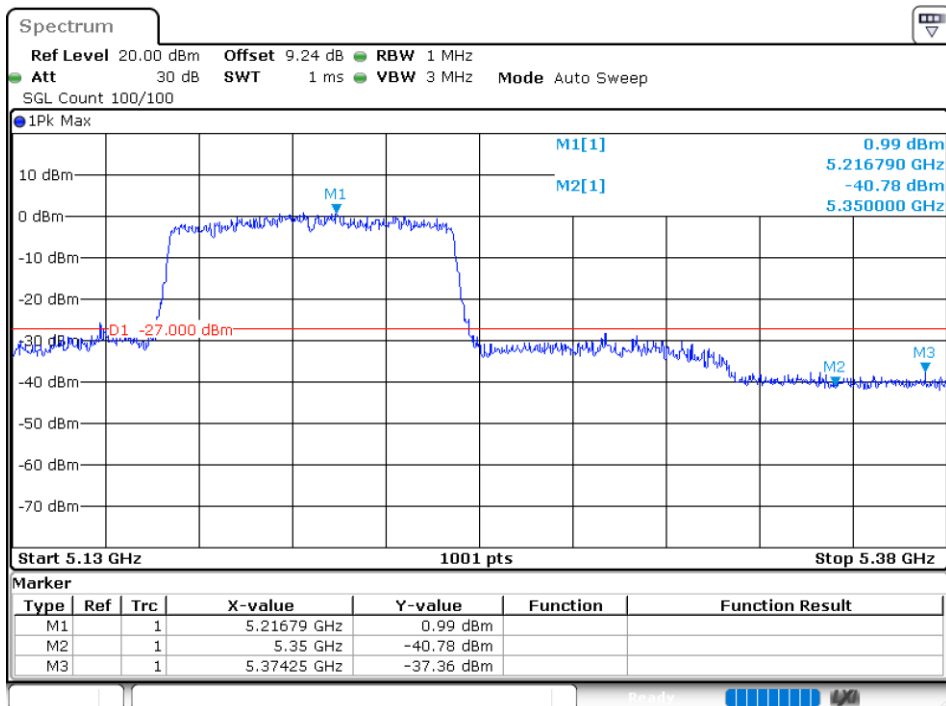
Band Edge NVNT ac80 5210MHz High Ant1



Band Edge NVNT ac80 5210MHz Low Ant2



Band Edge NVNT ac80 5210MHz High Ant2



5.2GWIFI MIMO

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Ant1	98.62	0.06	0.52
NVNT	ac20	5200	Ant1	98.65	0.06	0.52
NVNT	ac20	5240	Ant1	98.62	0.06	0.52
NVNT	ac40	5190	Ant1	97.29	0.12	1.04
NVNT	ac40	5230	Ant1	97.35	0.12	1.05
NVNT	ac80	5210	Ant1	94	0.27	2.17
NVNT	n20	5180	Ant1	98.64	0.06	0.52
NVNT	n20	5200	Ant1	98.63	0.06	0.52
NVNT	n20	5240	Ant1	98.62	0.06	0.52
NVNT	n40	5190	Ant1	97.35	0.12	1.05
NVNT	n40	5230	Ant1	97.29	0.12	1.06
NVNT	ac20	5180	Ant2	98.62	0.06	0.52
NVNT	ac20	5200	Ant2	98.62	0.06	0.52
NVNT	ac20	5240	Ant2	98.62	0.06	0.52
NVNT	ac40	5190	Ant2	97.3	0.12	1.05
NVNT	ac40	5230	Ant2	97.27	0.12	1.05
NVNT	ac80	5210	Ant2	94	0.27	2.17
NVNT	n20	5180	Ant2	98.62	0.06	0.52
NVNT	n20	5200	Ant2	98.61	0.06	0.52
NVNT	n20	5240	Ant2	98.62	0.06	0.52
NVNT	n40	5190	Ant2	97.27	0.12	1.05
NVNT	n40	5230	Ant2	97.38	0.12	1.05

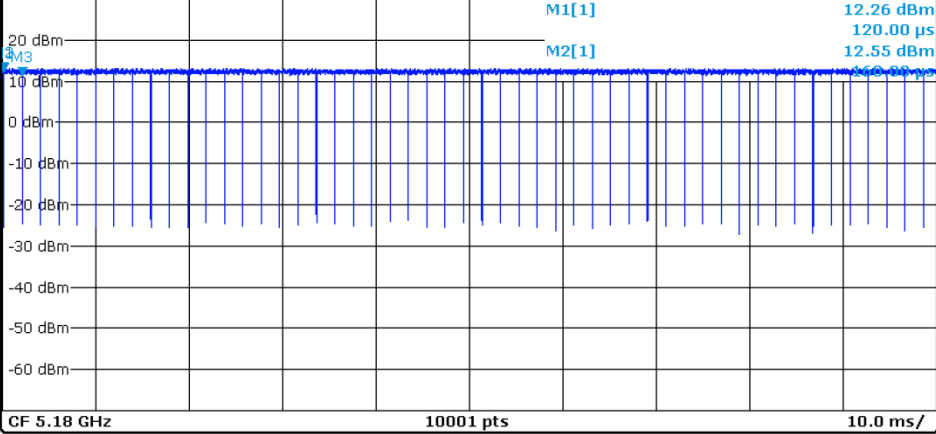
Test Graphs

Duty Cycle NVNT ac20 5180MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 3.96 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

1Pk Clrw



Marker

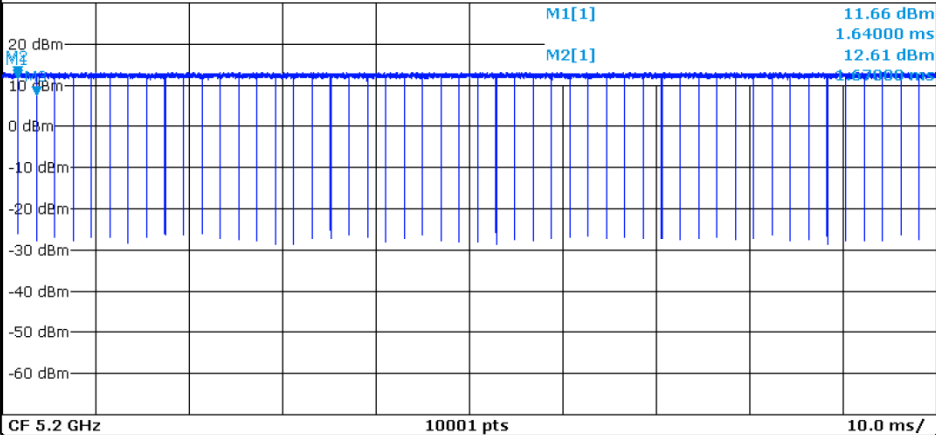
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		120.0 μs	12.26 dBm		
M2	1		160.0 μs	12.55 dBm		
M3	1		2.09 ms	11.22 dBm		

Duty Cycle NVNT ac20 5200MHz Ant1

Spectrum

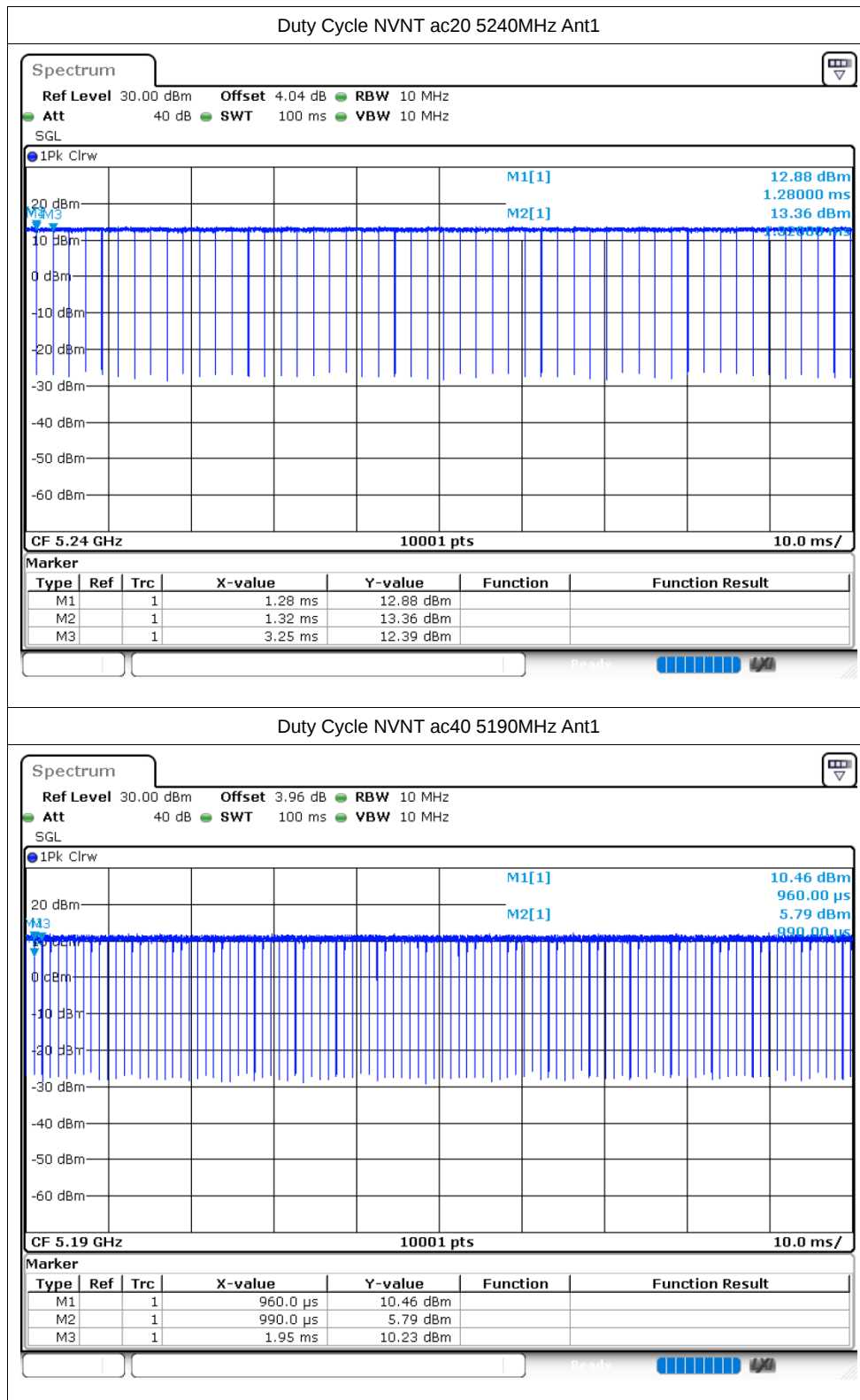
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL

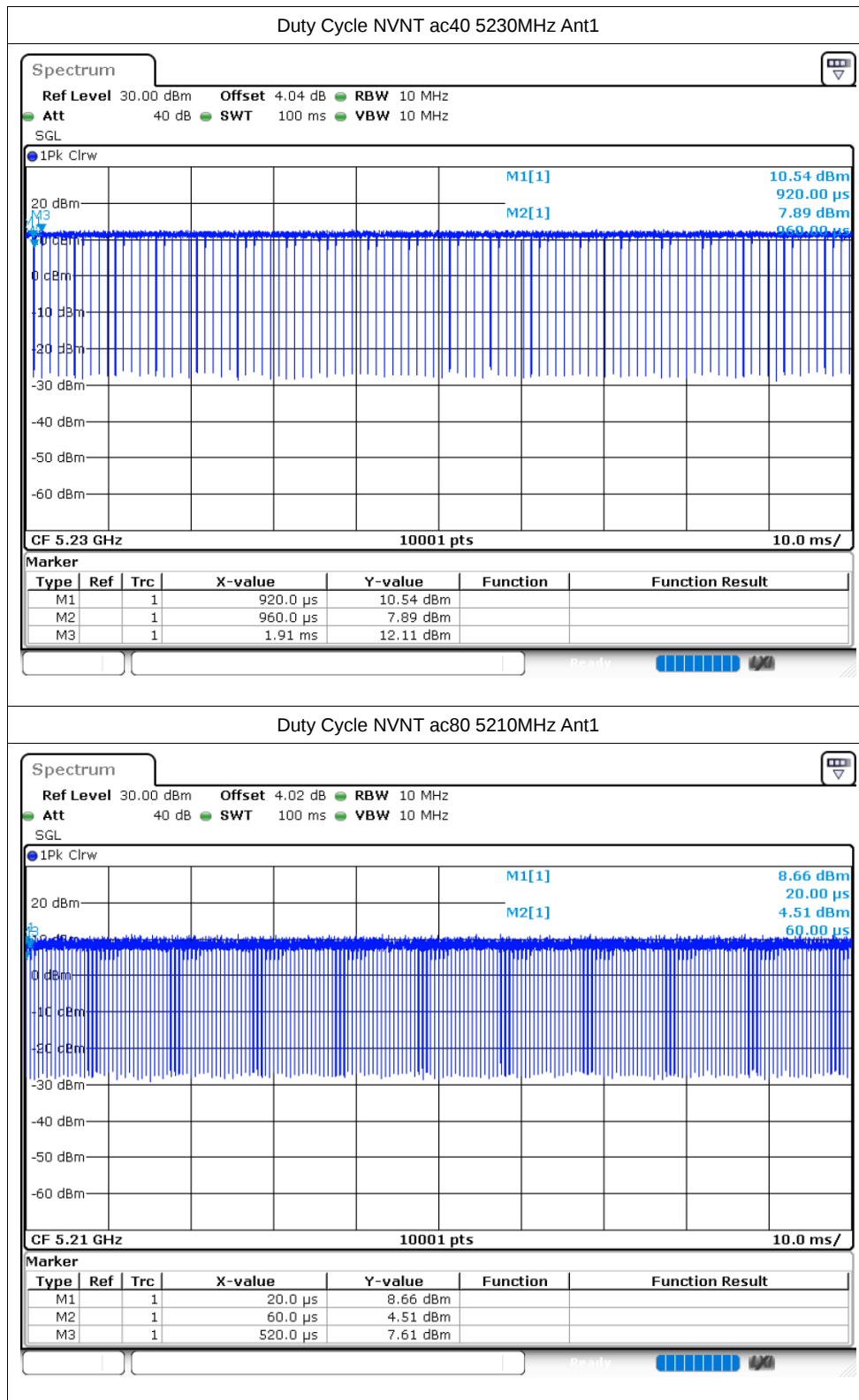
1Pk Clrw

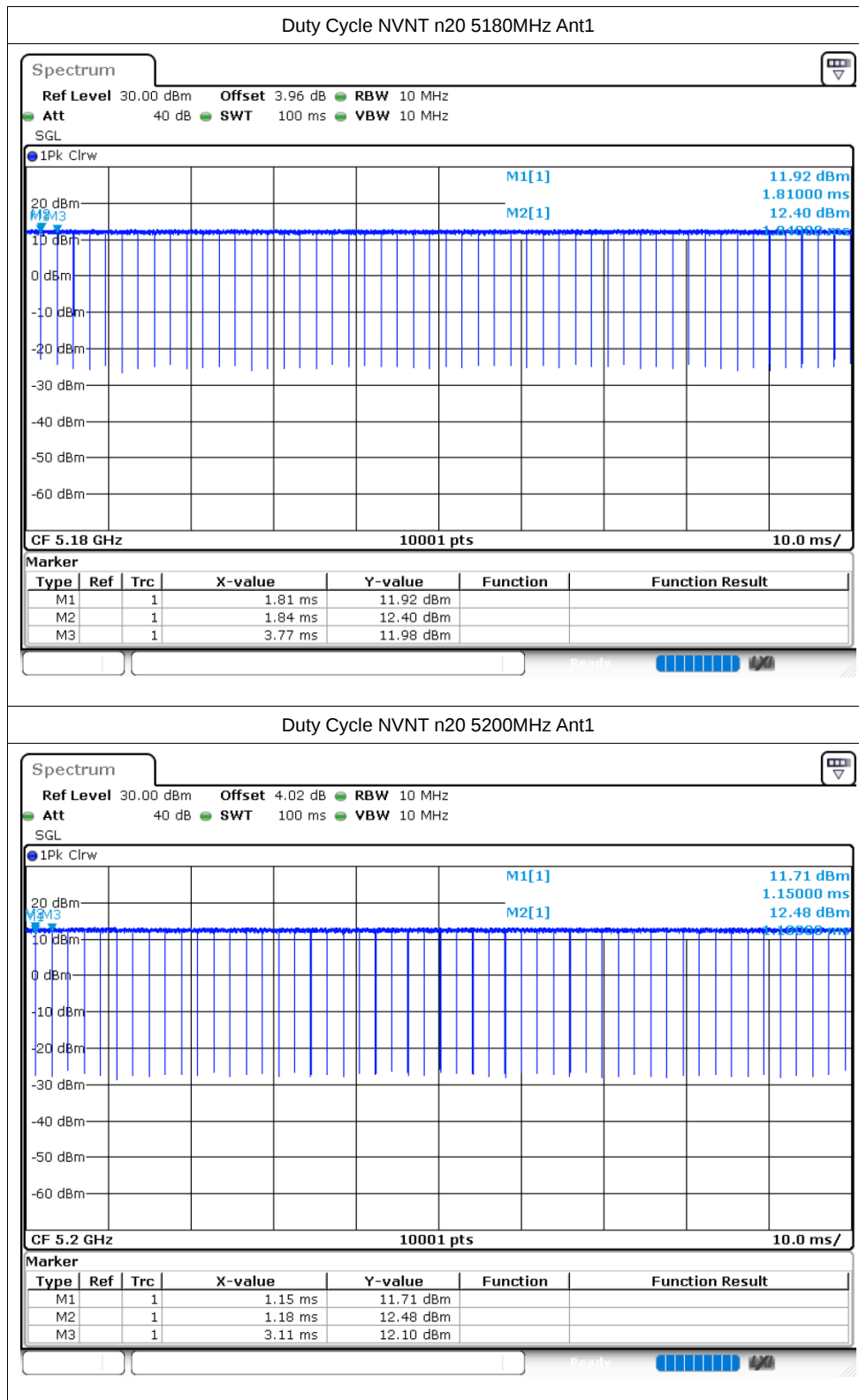


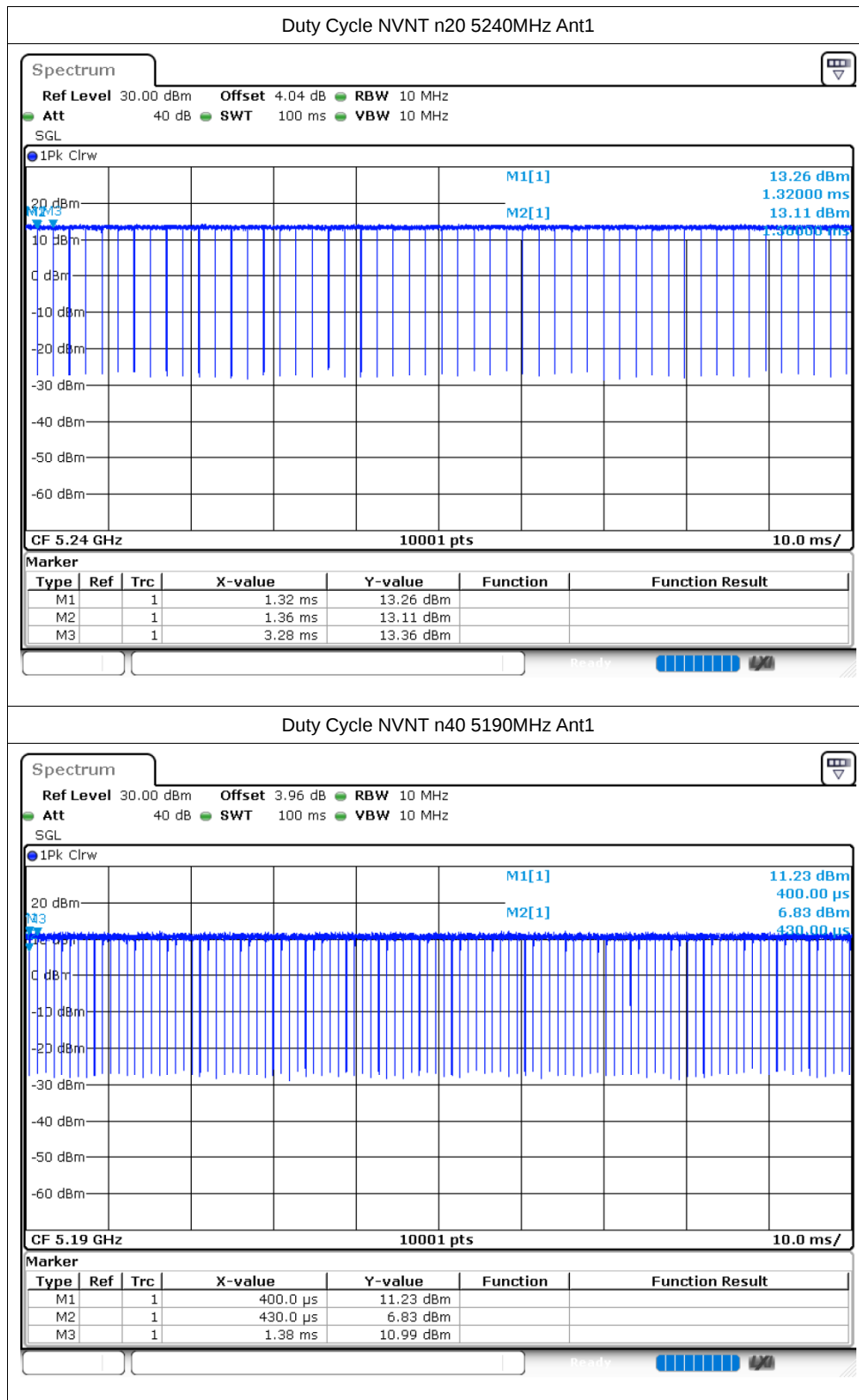
Marker

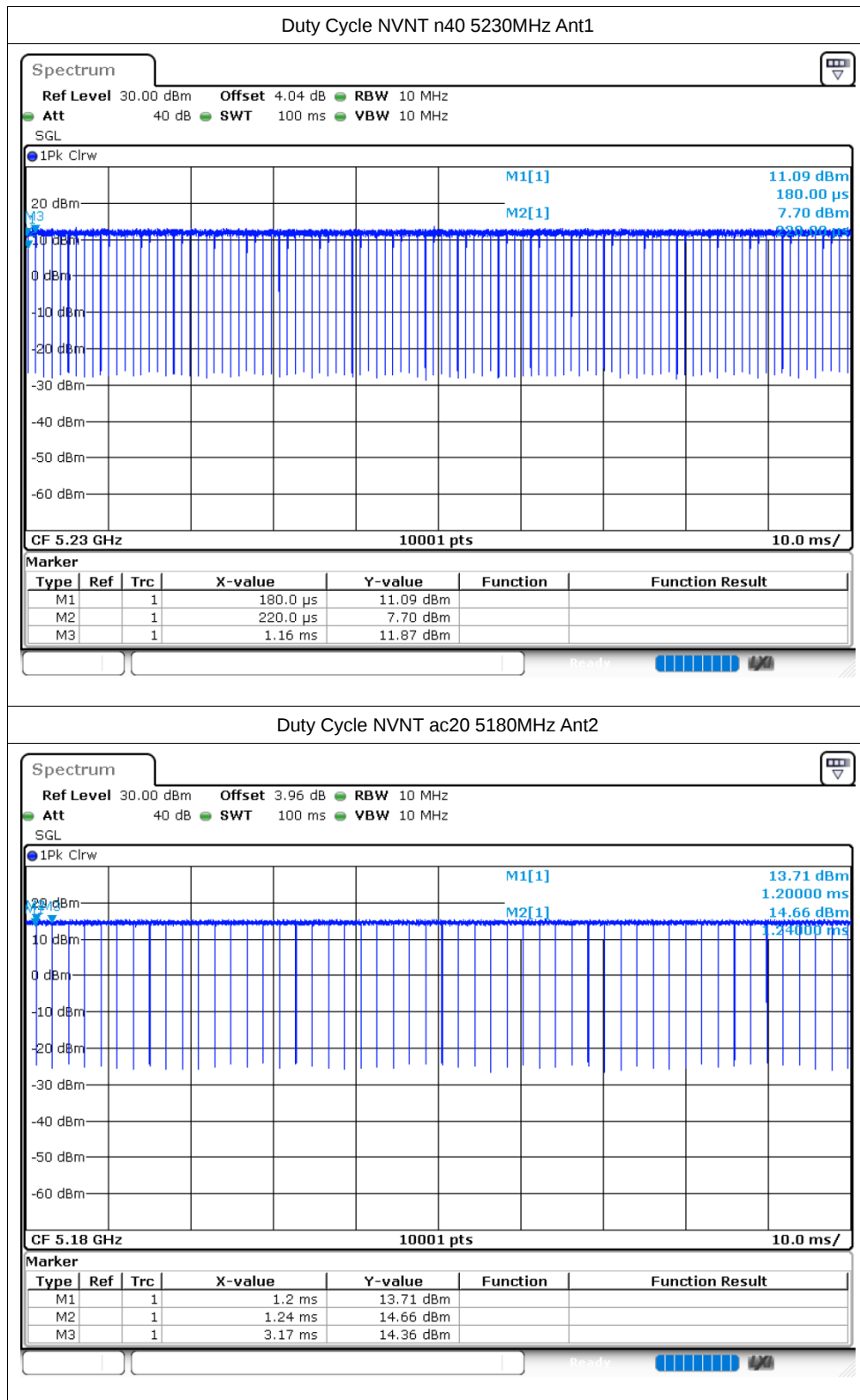
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.64 ms	11.66 dBm		
M2	1		1.67 ms	12.61 dBm		
M3	1		3.61 ms	7.69 dBm		

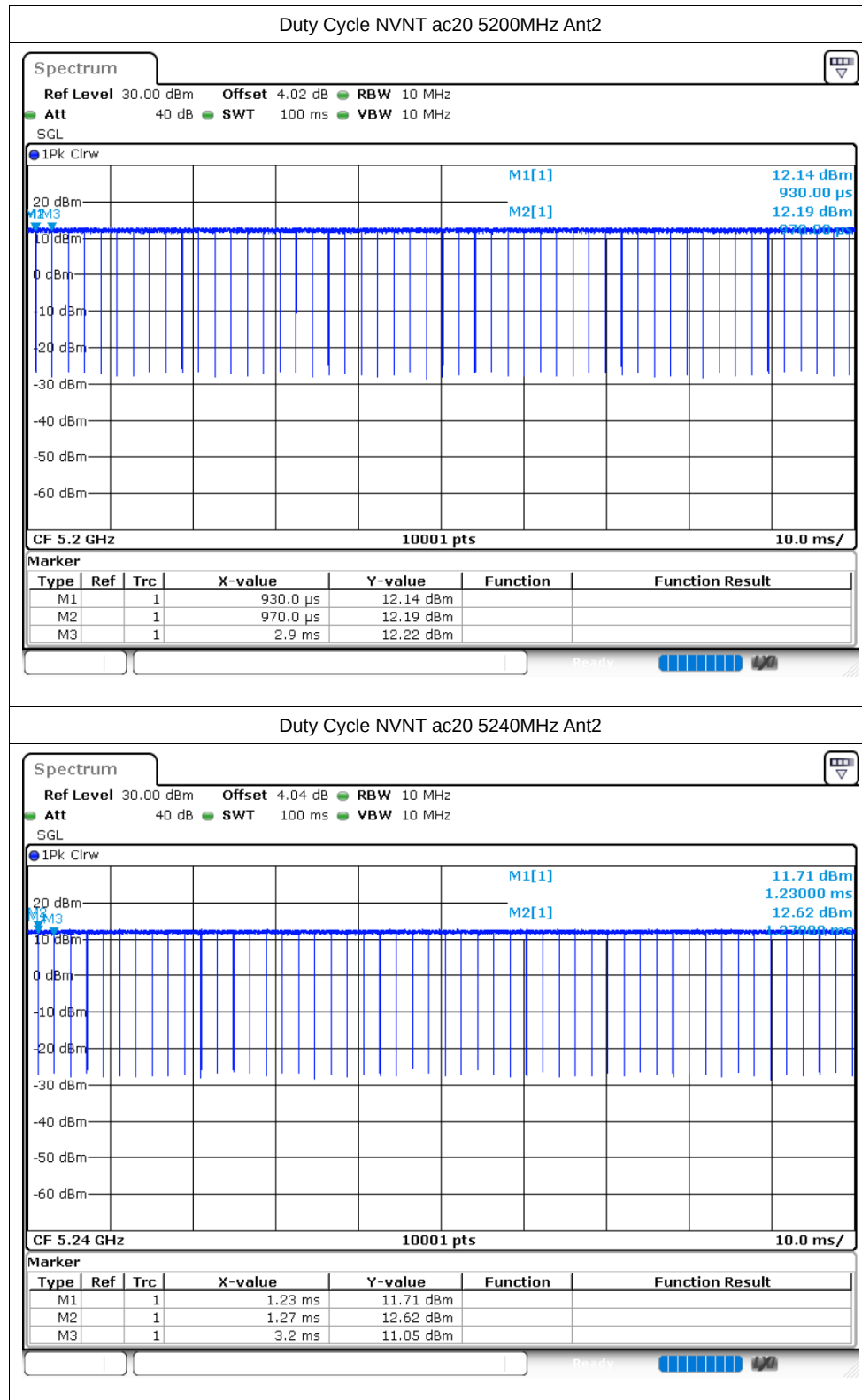


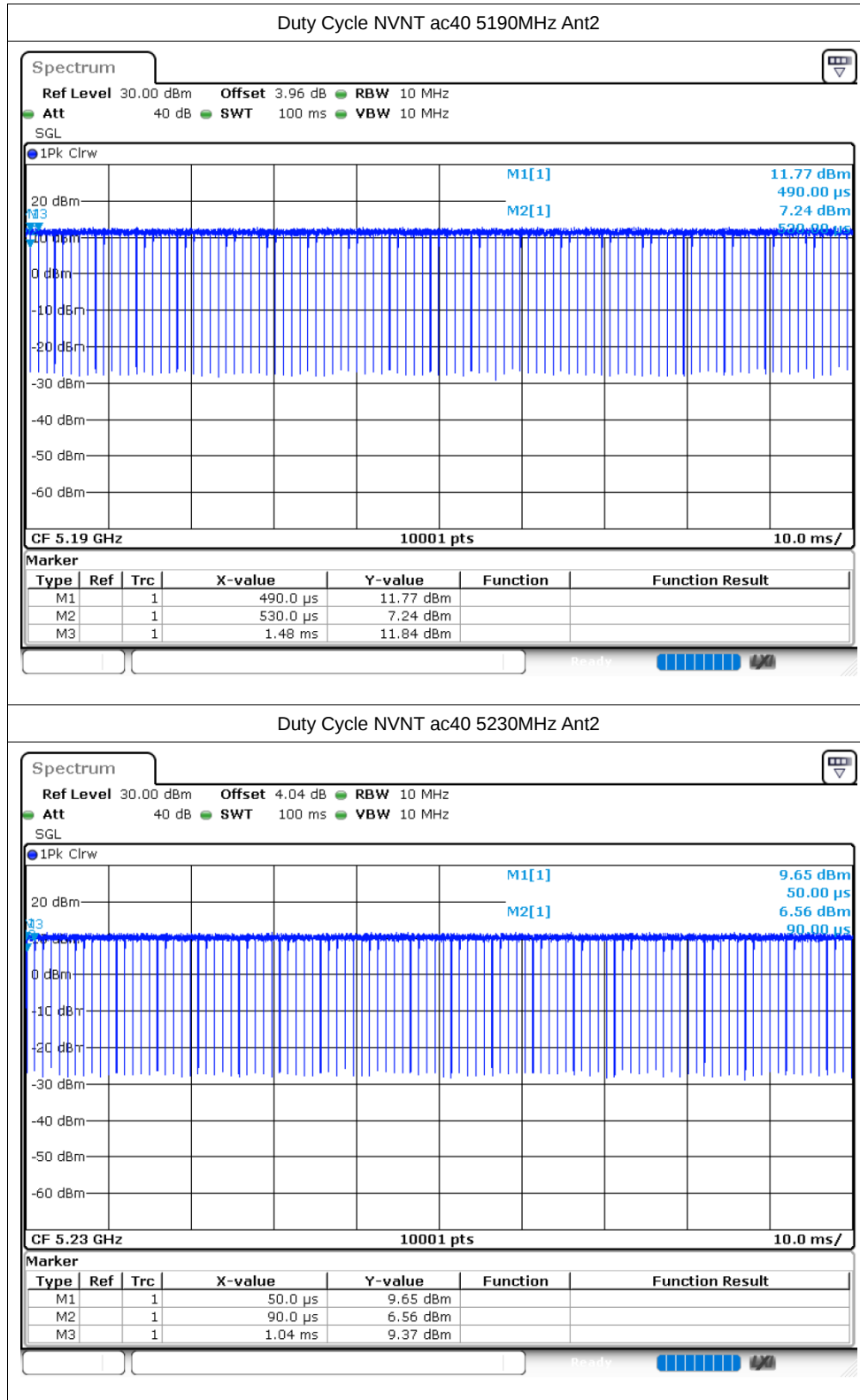


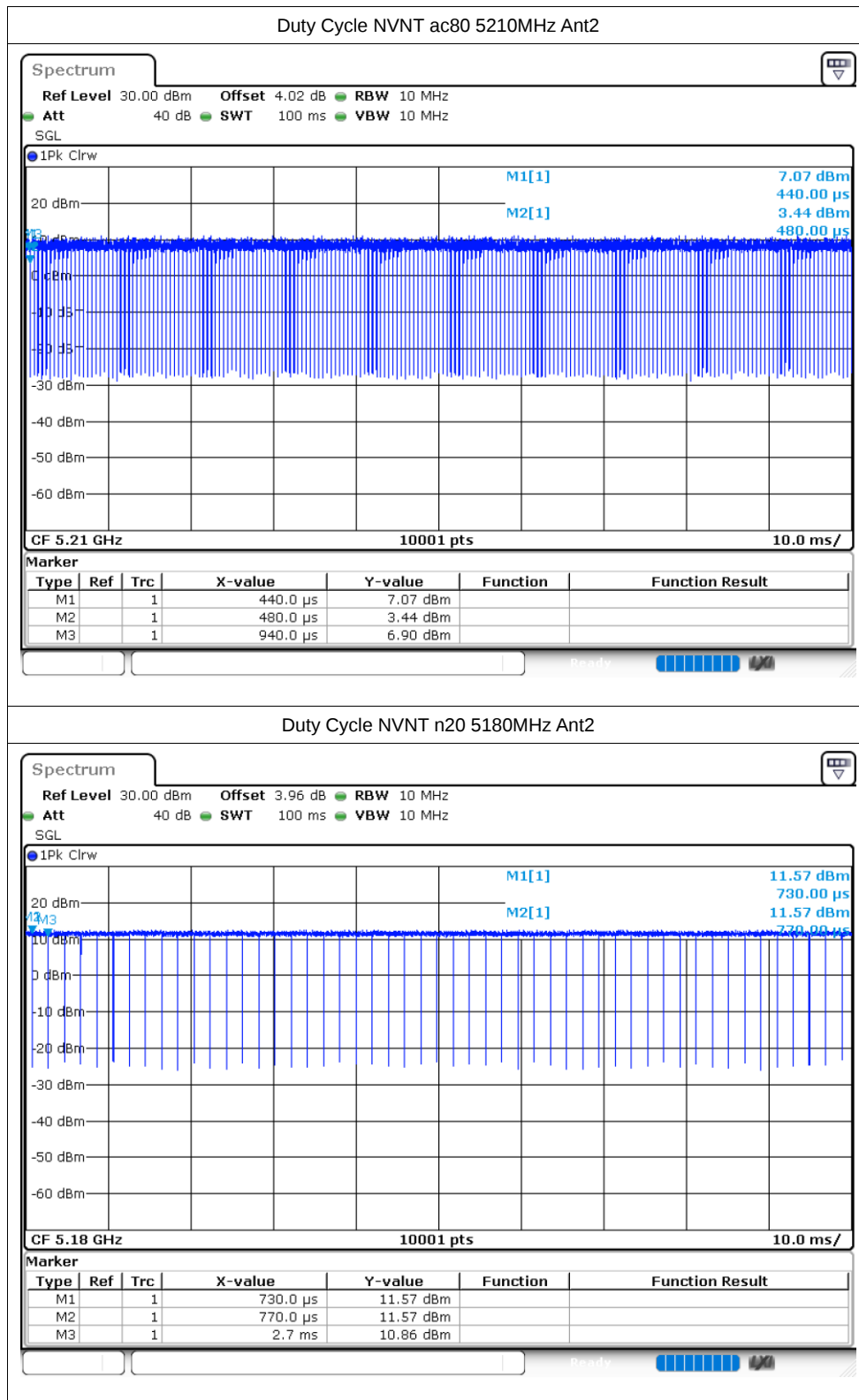


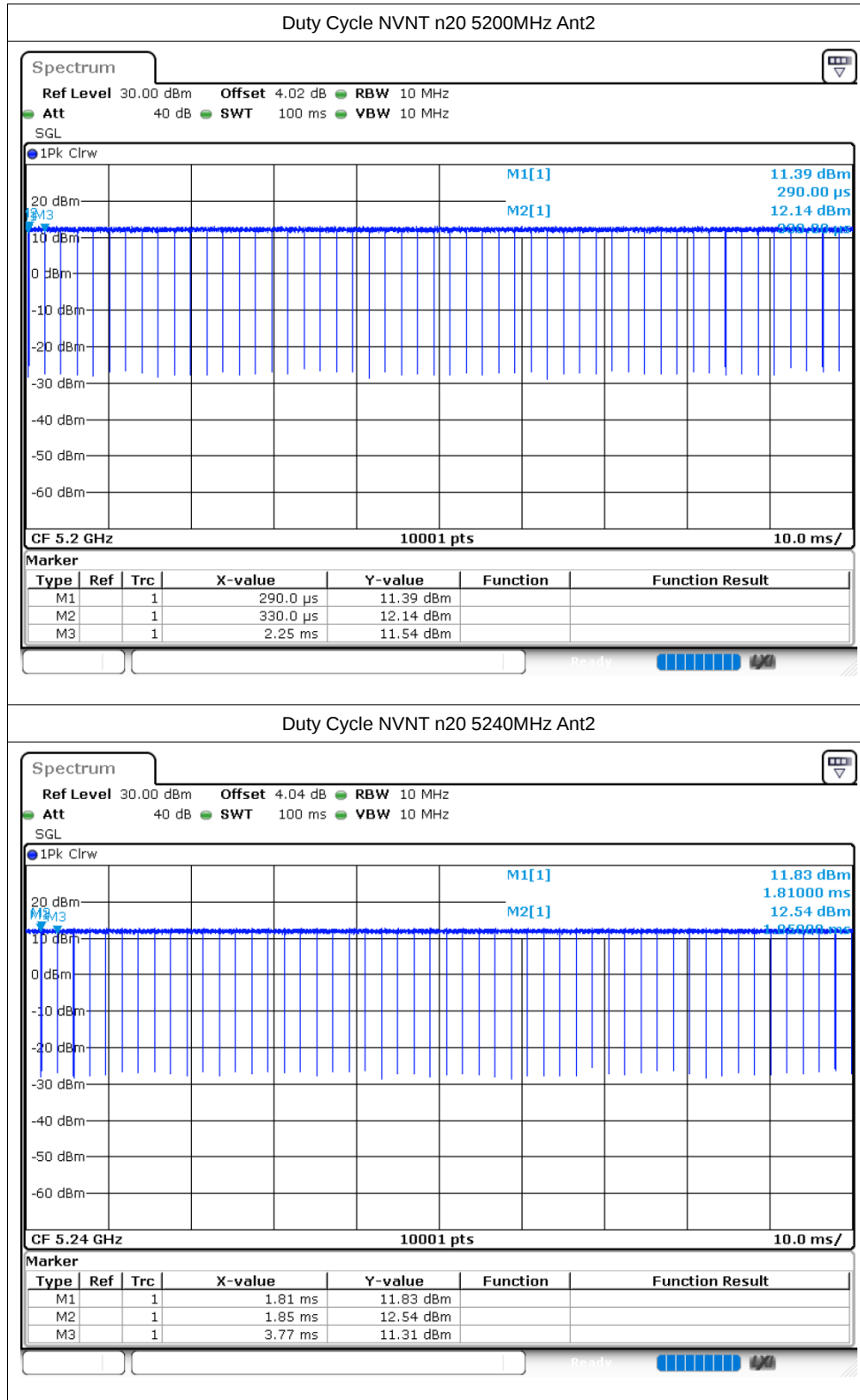


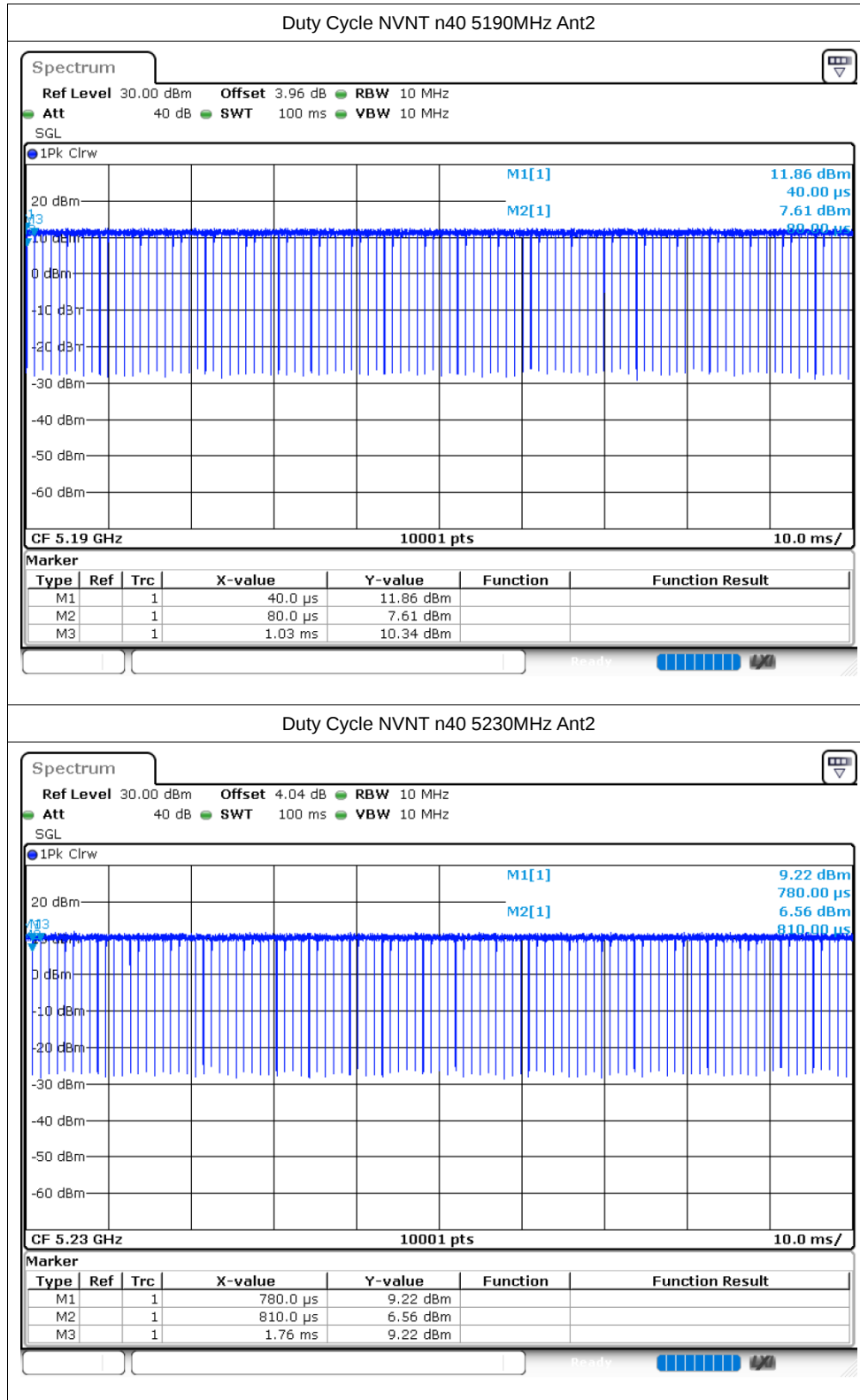












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	10.32	21.81	Pass
NVNT	ac20	5180	Ant2	9.86	21.81	Pass
NVNT	ac20	5180	Sum	13.11	21.81	Pass
NVNT	ac20	5200	Ant1	9.27	21.81	Pass
NVNT	ac20	5200	Ant2	9.71	21.81	Pass
NVNT	ac20	5200	Sum	12.51	21.81	Pass
NVNT	ac20	5240	Ant1	10.8	21.81	Pass
NVNT	ac20	5240	Ant2	9.47	21.81	Pass
NVNT	ac20	5240	Sum	13.2	21.81	Pass
NVNT	ac40	5190	Ant1	10.15	21.81	Pass
NVNT	ac40	5190	Ant2	9.87	21.81	Pass
NVNT	ac40	5190	Sum	13.02	21.81	Pass
NVNT	ac40	5230	Ant1	10.82	21.81	Pass
NVNT	ac40	5230	Ant2	9.57	21.81	Pass
NVNT	ac40	5230	Sum	13.25	21.81	Pass
NVNT	ac80	5210	Ant1	9.41	21.81	Pass
NVNT	ac80	5210	Ant2	9.51	21.81	Pass
NVNT	ac80	5210	Sum	12.47	21.81	Pass
NVNT	n20	5180	Ant1	10.51	21.81	Pass
NVNT	n20	5180	Ant2	9.8	21.81	Pass
NVNT	n20	5180	Sum	13.18	21.81	Pass
NVNT	n20	5200	Ant1	9.37	21.81	Pass
NVNT	n20	5200	Ant2	9.66	21.81	Pass
NVNT	n20	5200	Sum	12.53	21.81	Pass
NVNT	n20	5240	Ant1	10.8	21.81	Pass
NVNT	n20	5240	Ant2	9.25	21.81	Pass
NVNT	n20	5240	Sum	13.1	21.81	Pass
NVNT	n40	5190	Ant1	9.99	21.81	Pass
NVNT	n40	5190	Ant2	9.82	21.81	Pass
NVNT	n40	5190	Sum	12.92	21.81	Pass
NVNT	n40	5230	Ant1	10.85	21.81	Pass
NVNT	n40	5230	Ant2	9.51	21.81	Pass
NVNT	n40	5230	Sum	13.24	21.81	Pass

Note: The conducted power values of Ant1 and Ant 2 already include the duty cycle factor.

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	ac20	5180	Ant1	21.12	Pass
NVNT	ac20	5180	Ant2	21.243	Pass
NVNT	ac20	5200	Ant1	21.387	Pass
NVNT	ac20	5200	Ant2	21.357	Pass
NVNT	ac20	5240	Ant1	22.236	Pass
NVNT	ac20	5240	Ant2	21.507	Pass
NVNT	ac40	5190	Ant1	41.52	Pass
NVNT	ac40	5190	Ant2	41.442	Pass
NVNT	ac40	5230	Ant1	41.058	Pass
NVNT	ac40	5230	Ant2	41.514	Pass
NVNT	ac80	5210	Ant1	82.968	Pass
NVNT	ac80	5210	Ant2	83.412	Pass
NVNT	n20	5180	Ant1	21.426	Pass
NVNT	n20	5180	Ant2	21.546	Pass
NVNT	n20	5200	Ant1	20.757	Pass
NVNT	n20	5200	Ant2	21.222	Pass
NVNT	n20	5240	Ant1	21.48	Pass
NVNT	n20	5240	Ant2	21.216	Pass
NVNT	n40	5190	Ant1	41.46	Pass
NVNT	n40	5190	Ant2	41.346	Pass
NVNT	n40	5230	Ant1	41.76	Pass
NVNT	n40	5230	Ant2	41.388	Pass

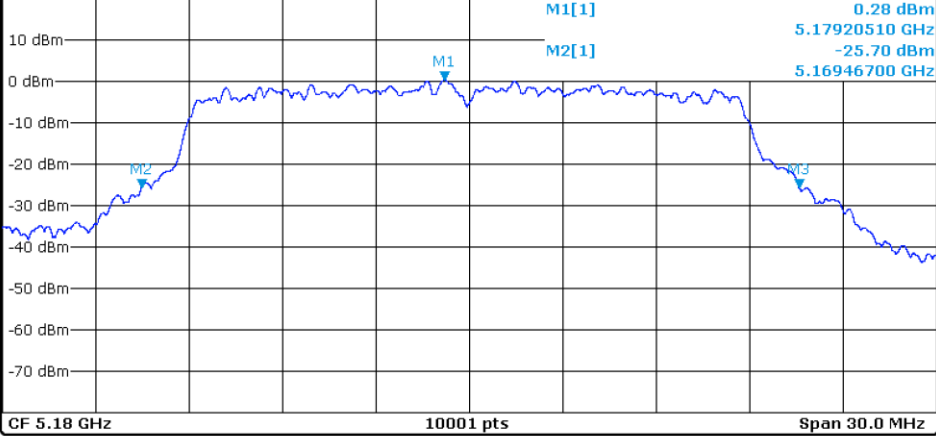
Test Graphs

-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



-26dB Bandwidth NVNT ac20 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

