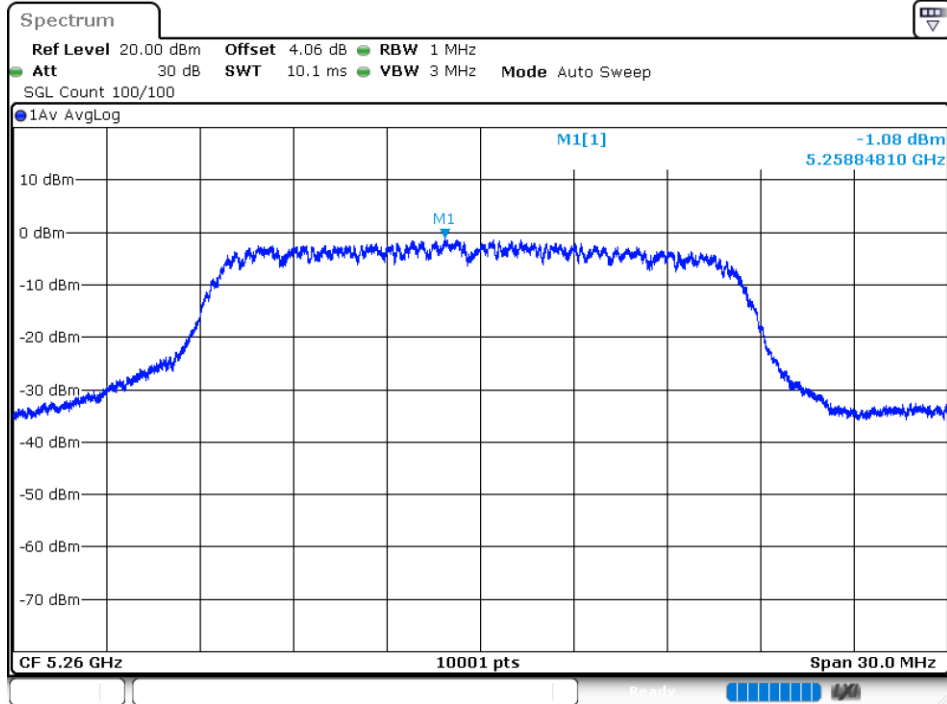


Maximum Power Spectral Density Level

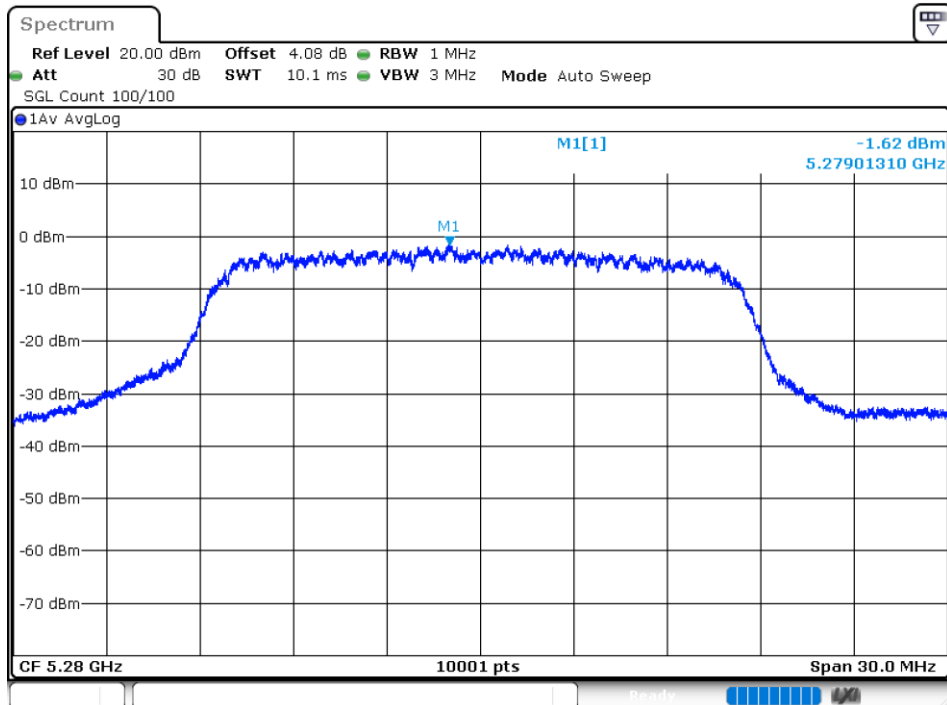
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-1.08	0.06	-1.02	11	Pass
NVNT	a	5280	Ant1	-1.62	0.06	-1.56	11	Pass
NVNT	a	5320	Ant1	-3	0.06	-2.94	11	Pass
NVNT	a	5260	Ant2	-3.89	0.05	-3.84	11	Pass
NVNT	a	5280	Ant2	-3.2	0.05	-3.15	11	Pass
NVNT	a	5320	Ant2	-2.01	0.02	-1.99	11	Pass
NVNT	n20	5260	Ant1	-2.09	0.06	-2.03	11	Pass
NVNT	n20	5280	Ant1	-2.54	0.06	-2.48	11	Pass
NVNT	n20	5320	Ant1	-3.57	0.06	-3.51	11	Pass
NVNT	n20	5260	Ant2	-4.53	0.06	-4.47	11	Pass
NVNT	n20	5280	Ant2	-3.98	0.06	-3.92	11	Pass
NVNT	n20	5320	Ant2	-2.79	0.02	-2.77	11	Pass
NVNT	n40	5270	Ant1	-7.52	0.12	-7.4	11	Pass
NVNT	n40	5310	Ant1	-8.56	0.12	-8.44	11	Pass
NVNT	n40	5270	Ant2	-9.54	0.12	-9.42	11	Pass
NVNT	n40	5310	Ant2	-8.21	0.12	-8.09	11	Pass
NVNT	ac20	5260	Ant1	-2.18	0.06	-2.12	11	Pass
NVNT	ac20	5280	Ant1	-2.77	0.06	-2.71	11	Pass
NVNT	ac20	5320	Ant1	-3.51	0.06	-3.45	11	Pass
NVNT	ac20	5260	Ant2	-4.63	0.06	-4.57	11	Pass
NVNT	ac20	5280	Ant2	-4.14	0.06	-4.08	11	Pass
NVNT	ac20	5320	Ant2	-2.9	0.02	-2.88	11	Pass
NVNT	ac40	5270	Ant1	-7.34	0.12	-7.22	11	Pass
NVNT	ac40	5310	Ant1	-8.36	0.12	-8.24	11	Pass
NVNT	ac40	5270	Ant2	-9.24	0.11	-9.13	11	Pass
NVNT	ac40	5310	Ant2	-7.88	0.05	-7.83	11	Pass
NVNT	ac80	5290	Ant1	-12.01	0.27	-11.74	11	Pass
NVNT	ac80	5290	Ant2	-14.94	0.18	-14.76	11	Pass

Test Graphs

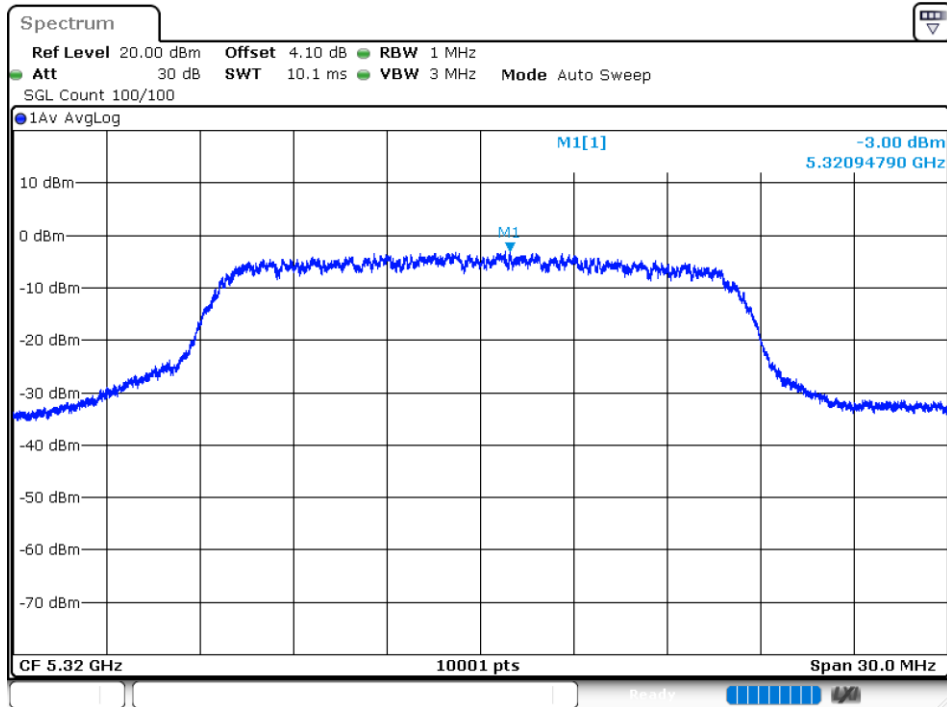
PSD NVNT a 5260MHz Ant1



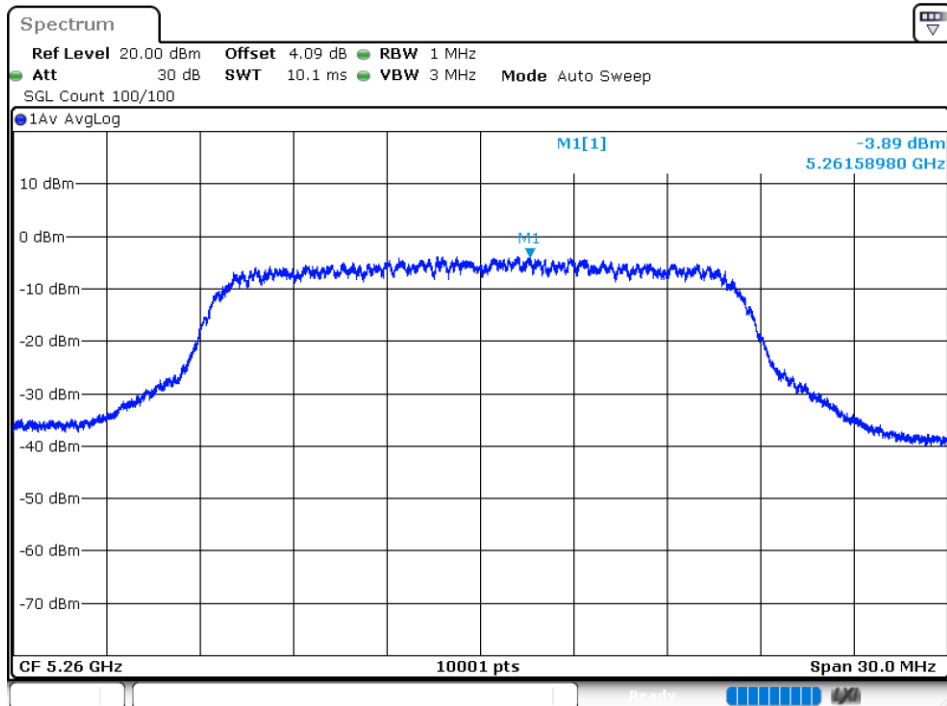
PSD NVNT a 5280MHz Ant1

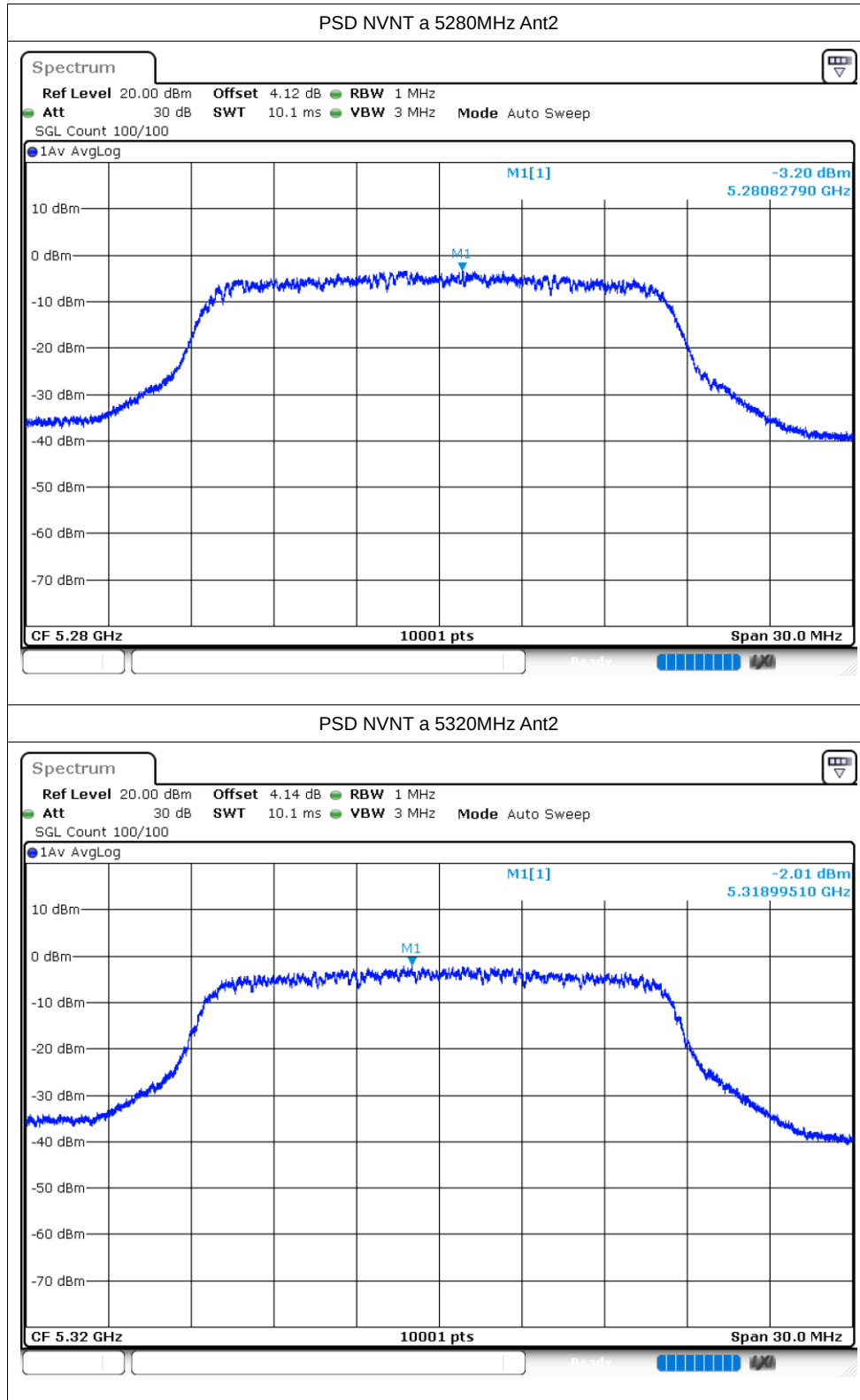


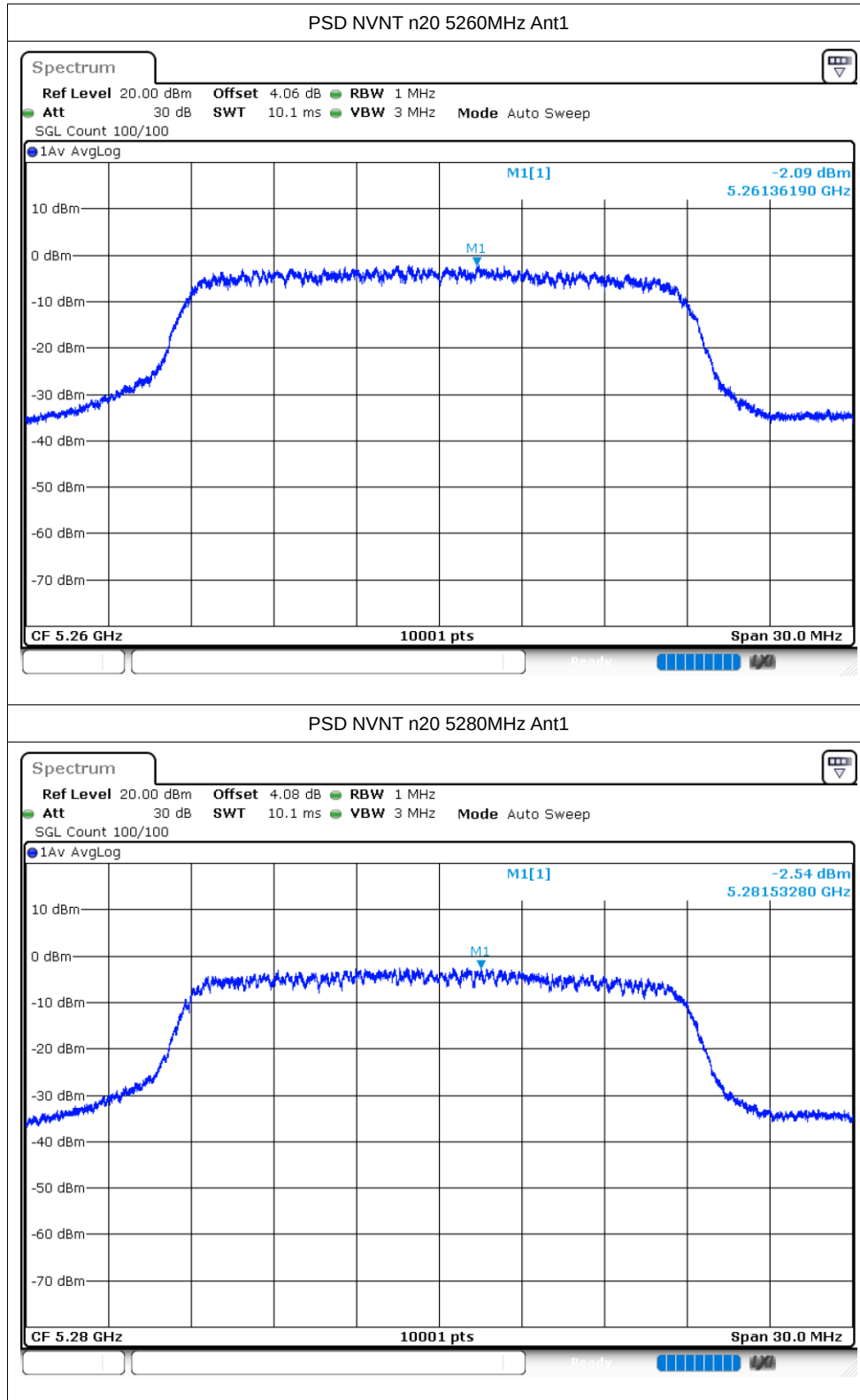
PSD NVNT a 5320MHz Ant1

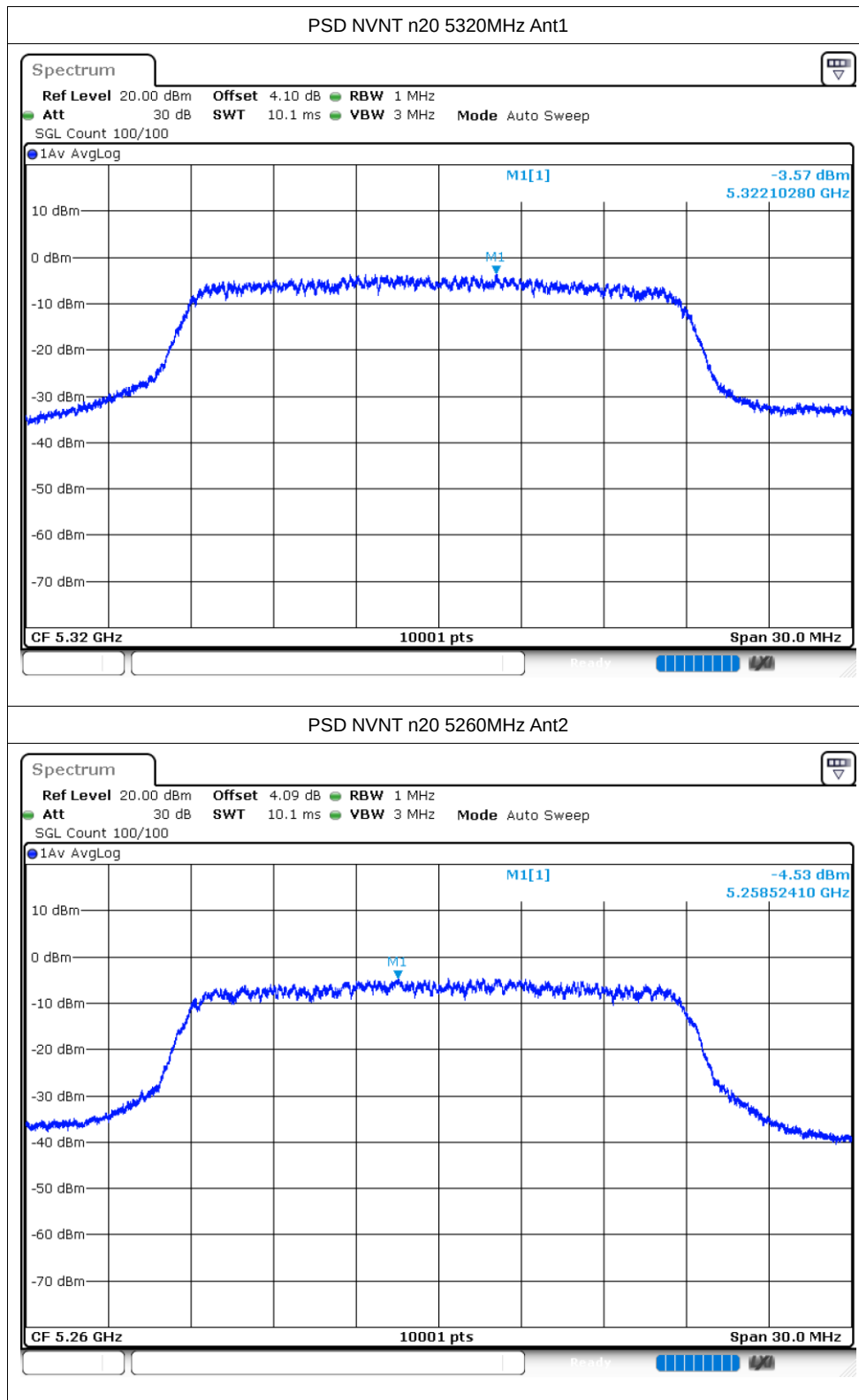


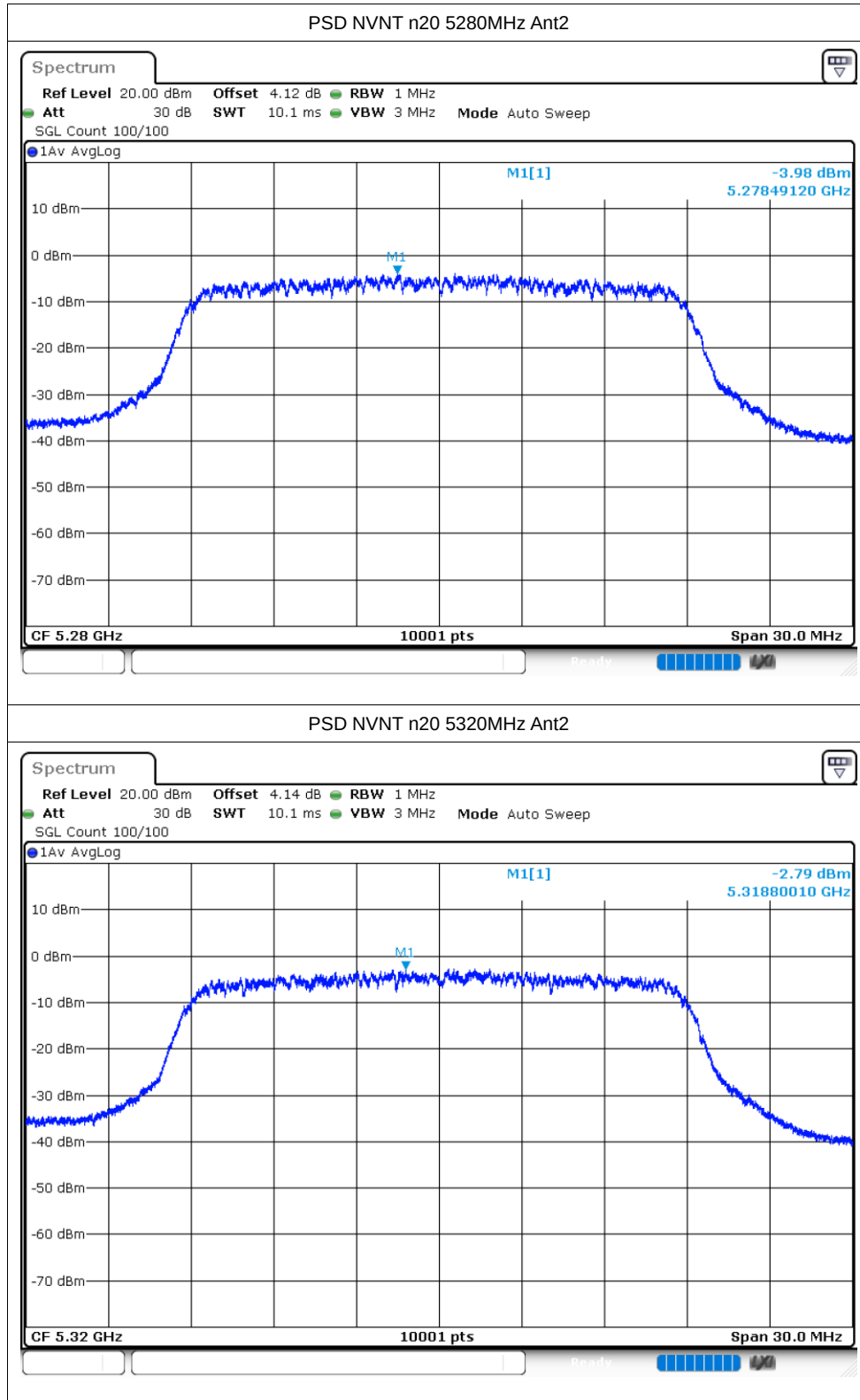
PSD NVNT a 5260MHz Ant2

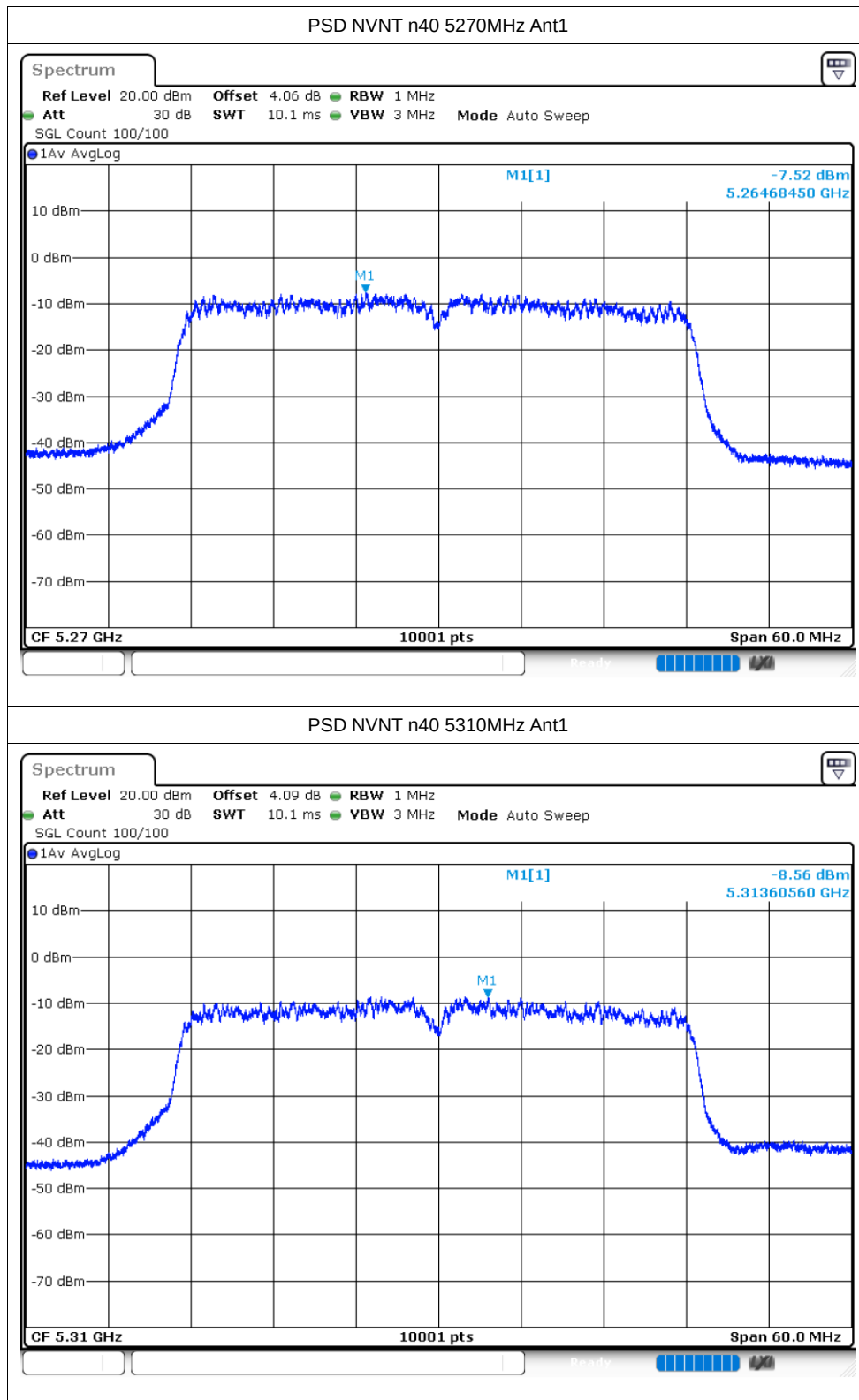


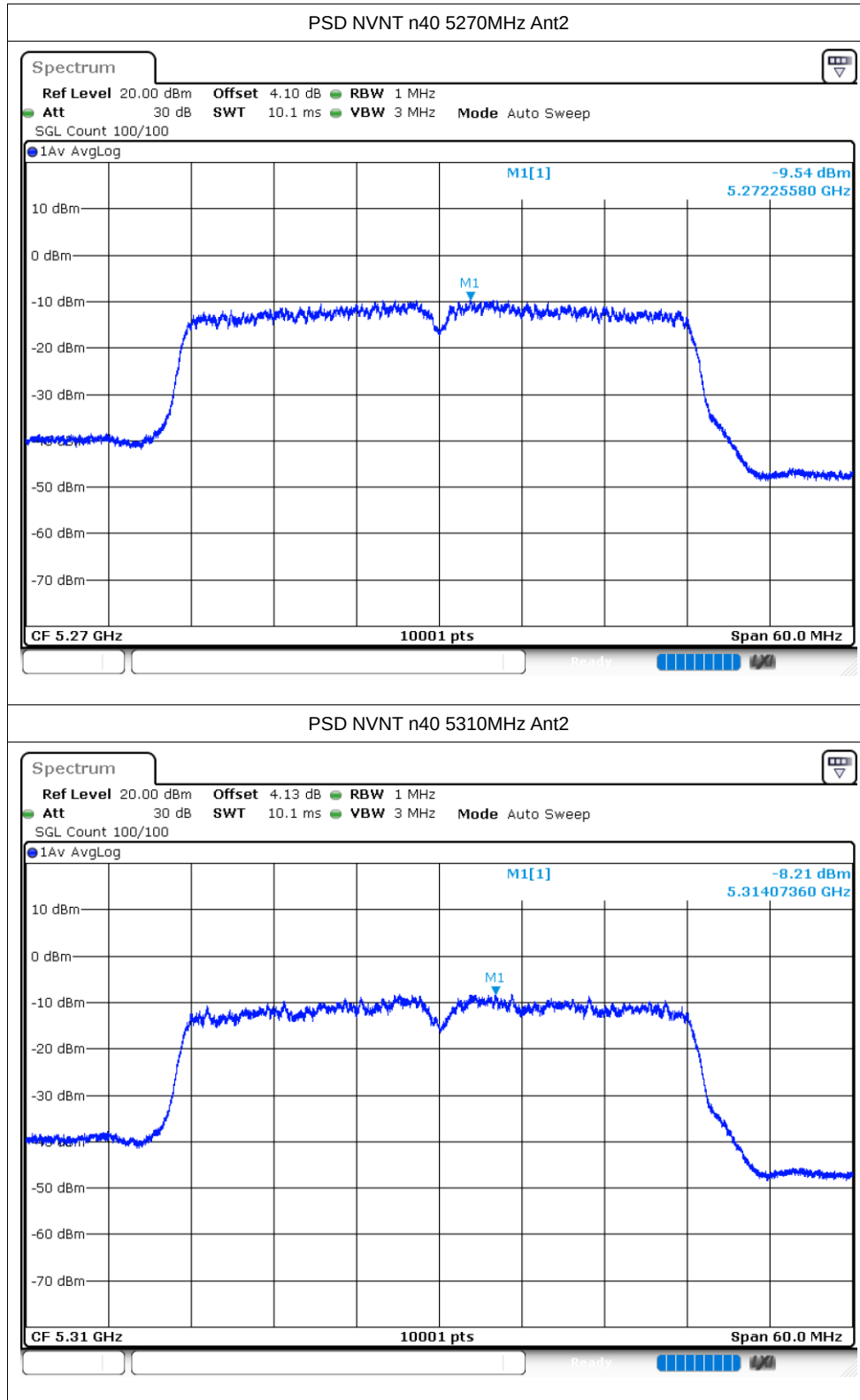


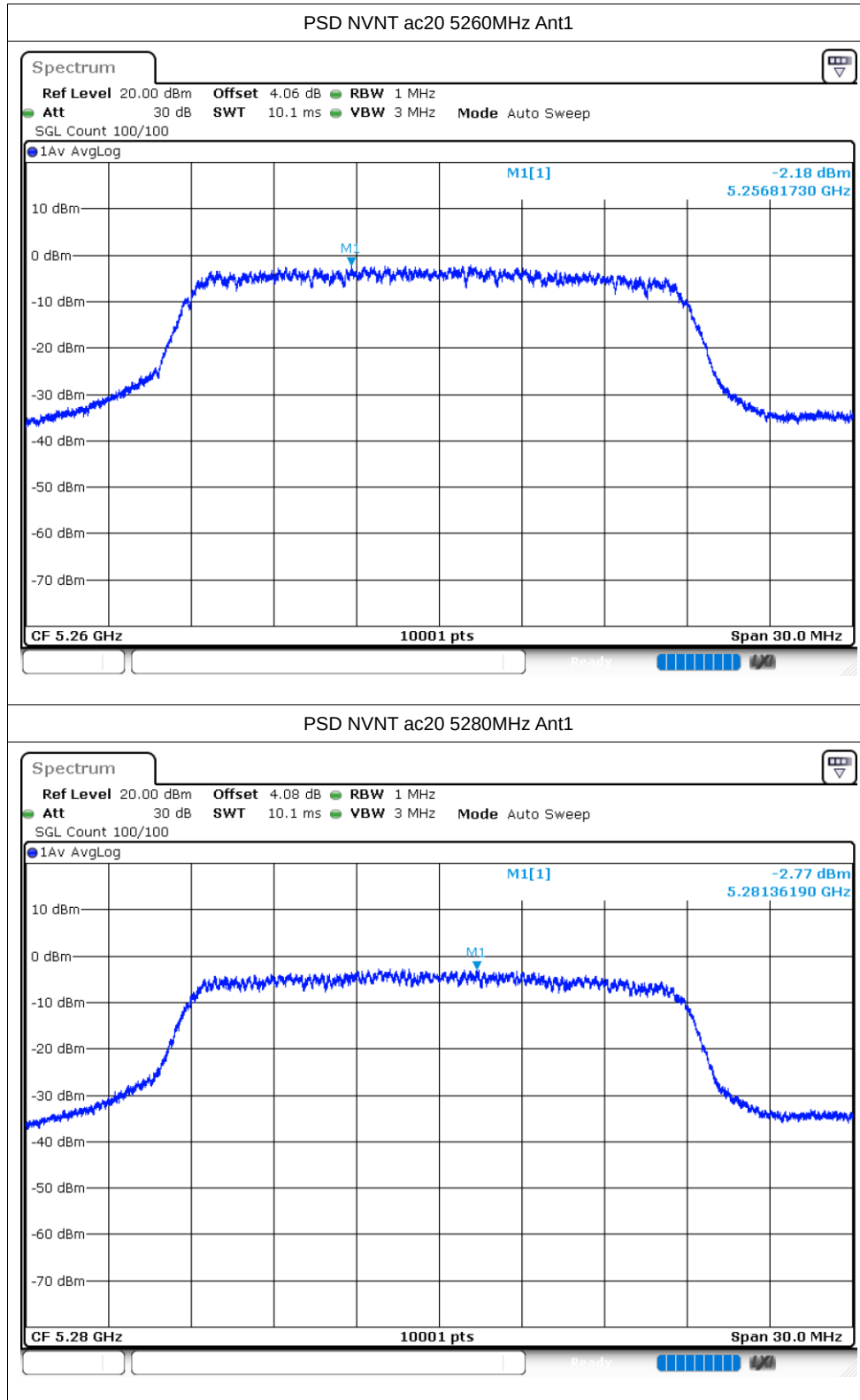


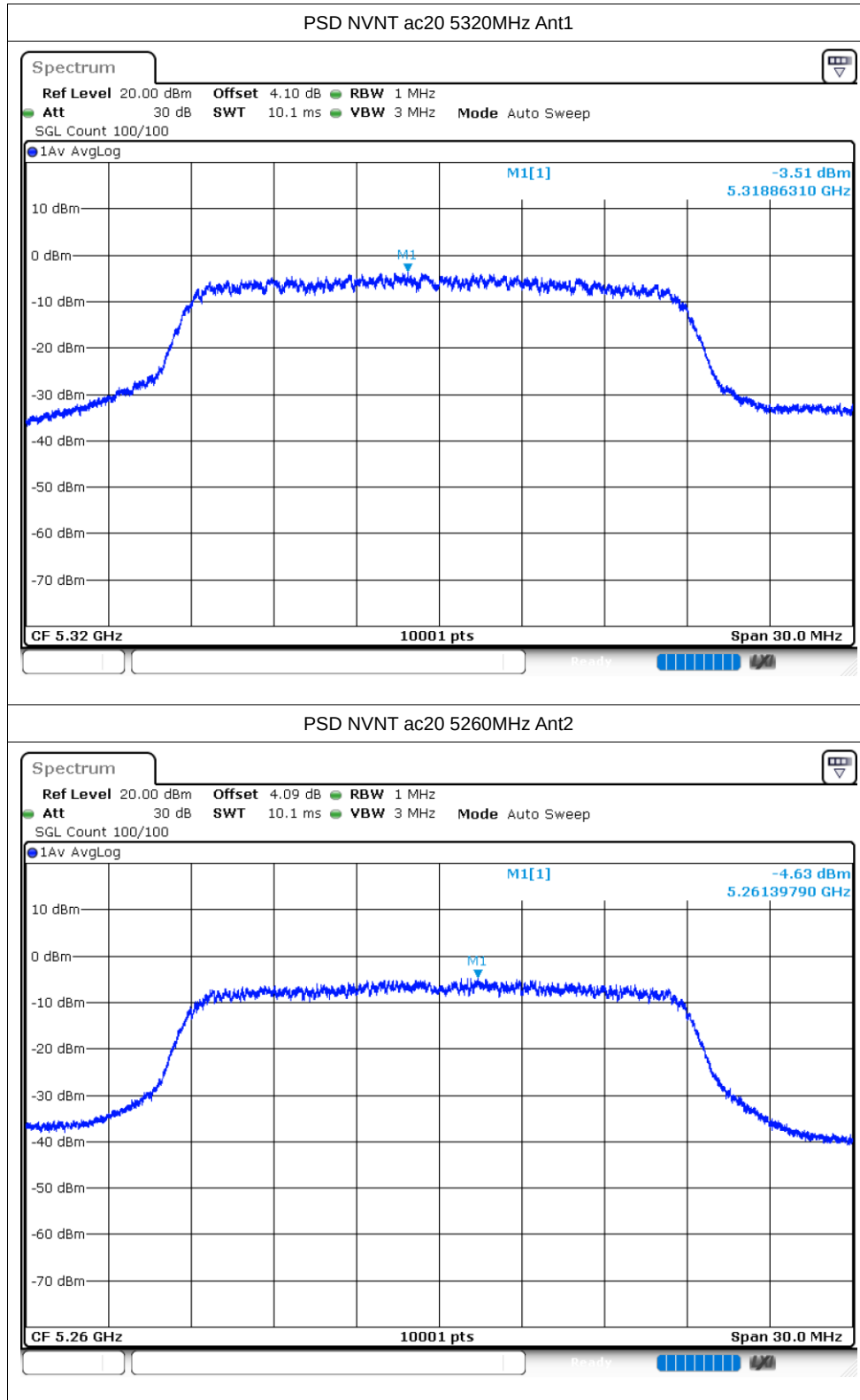


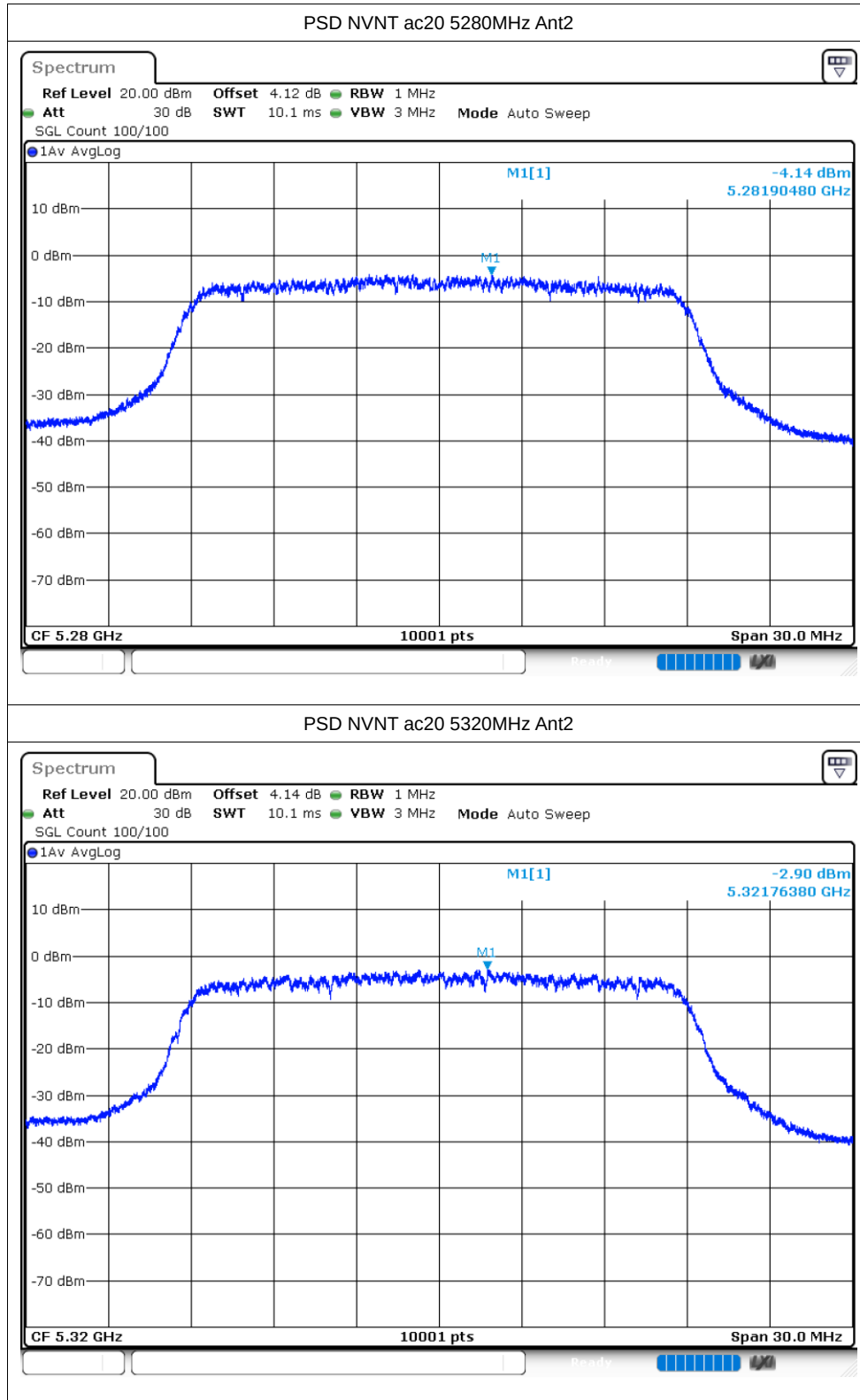


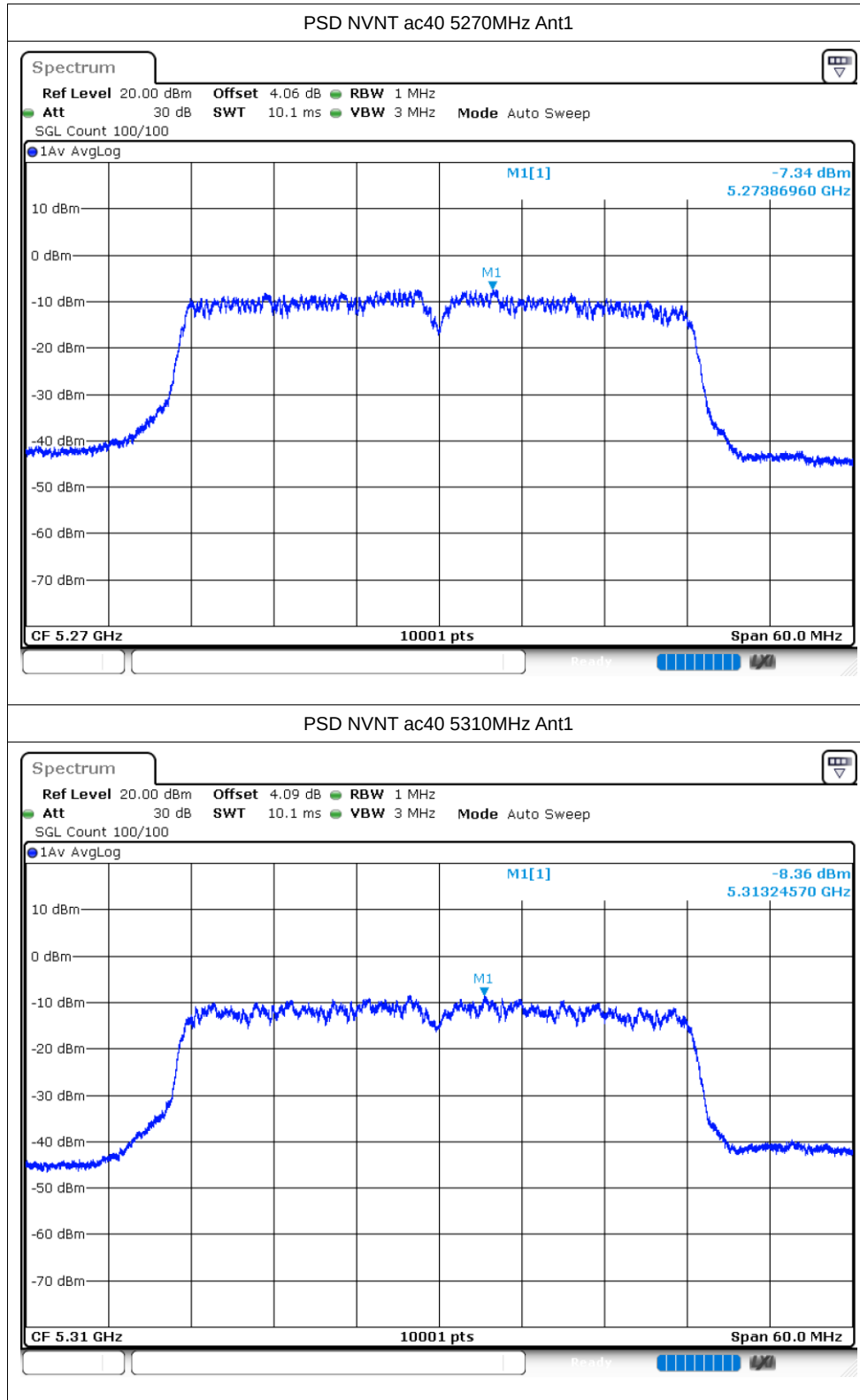


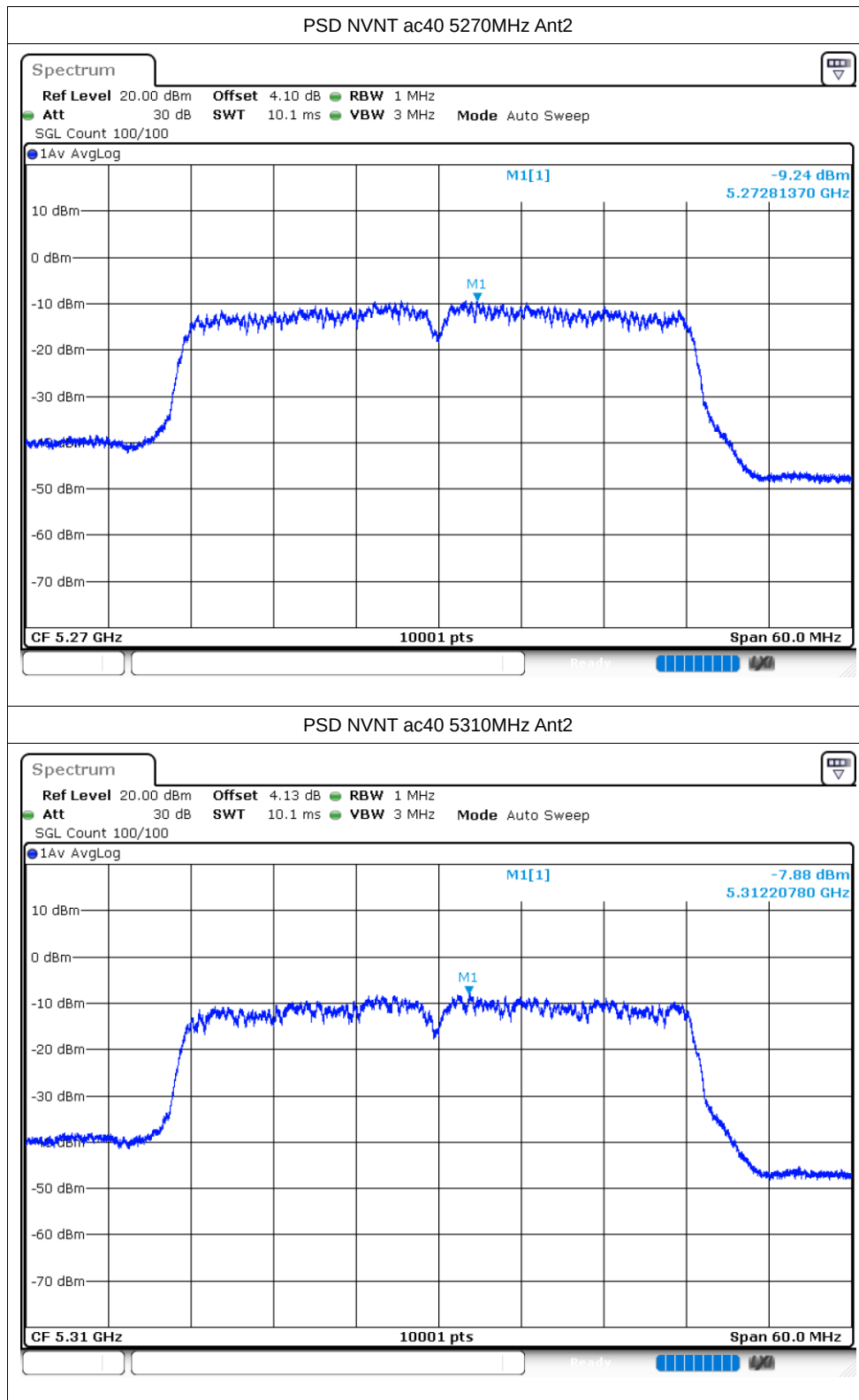


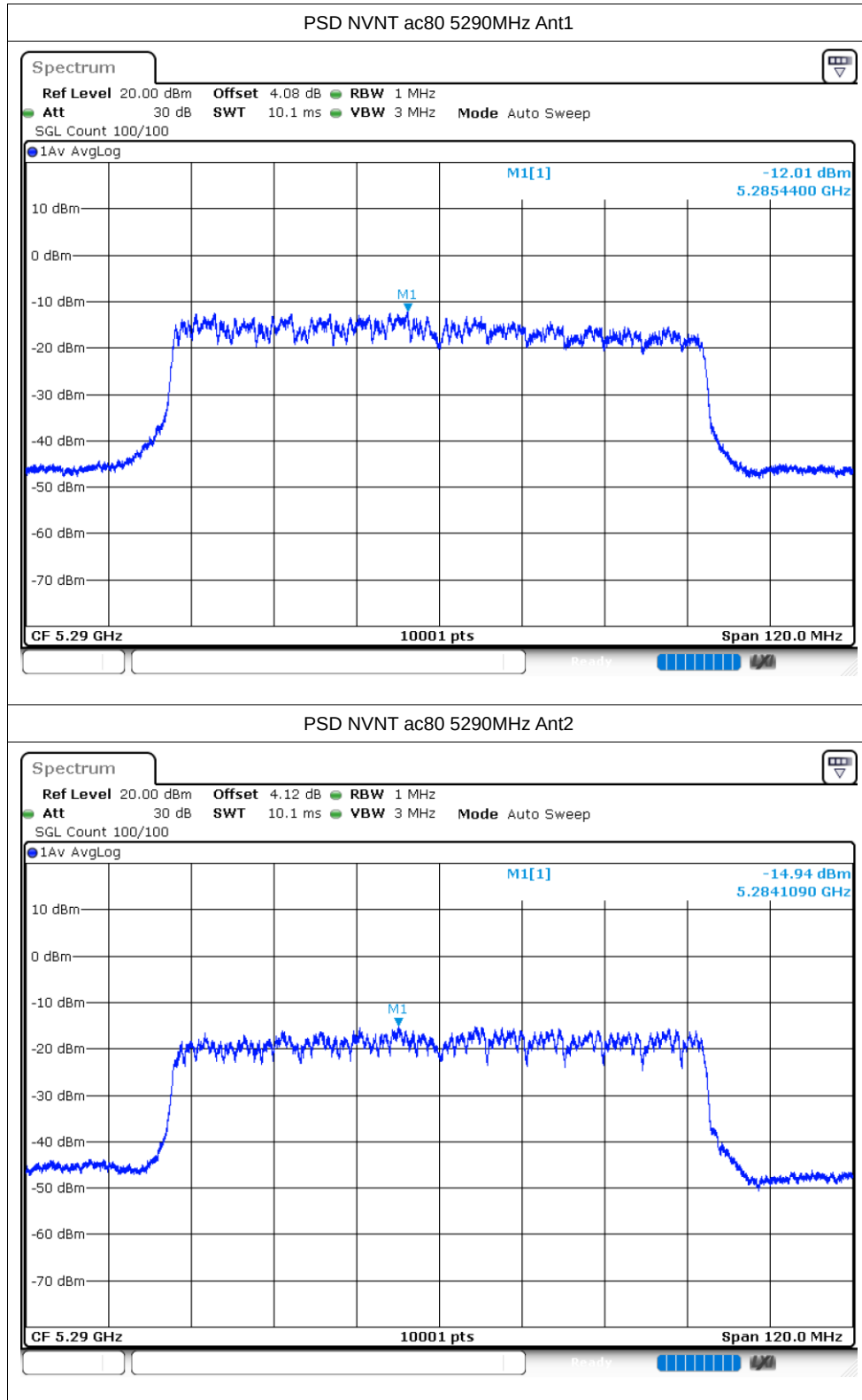












Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant1	-37.9	-27	Pass
NVNT	a	5320	Ant1	-33.34	-27	Pass
NVNT	a	5260	Ant2	-38.48	-27	Pass
NVNT	a	5320	Ant2	-32.81	-27	Pass
NVNT	n20	5260	Ant1	-37.42	-27	Pass
NVNT	n20	5320	Ant1	-32.75	-27	Pass
NVNT	n20	5260	Ant2	-38.71	-27	Pass
NVNT	n20	5320	Ant2	-34.81	-27	Pass
NVNT	n40	5270	Ant1	-37.67	-27	Pass
NVNT	n40	5310	Ant1	-29.5	-27	Pass
NVNT	n40	5270	Ant2	-38.64	-27	Pass
NVNT	n40	5310	Ant2	-31.94	-27	Pass
NVNT	ac20	5260	Ant1	-37.33	-27	Pass
NVNT	ac20	5320	Ant1	-33.95	-27	Pass
NVNT	ac20	5260	Ant2	-38.47	-27	Pass
NVNT	ac20	5320	Ant2	-34.21	-27	Pass
NVNT	ac40	5270	Ant1	-37.87	-27	Pass
NVNT	ac40	5310	Ant1	-29.21	-27	Pass
NVNT	ac40	5270	Ant2	-38.69	-27	Pass
NVNT	ac40	5310	Ant2	-31.54	-27	Pass
NVNT	ac80	5290	Ant1	-37.08	-27	Pass
NVNT	ac80	5290	Ant1	-28.52	-27	Pass
NVNT	ac80	5290	Ant2	-38.01	-27	Pass
NVNT	ac80	5290	Ant2	-28.71	-27	Pass

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

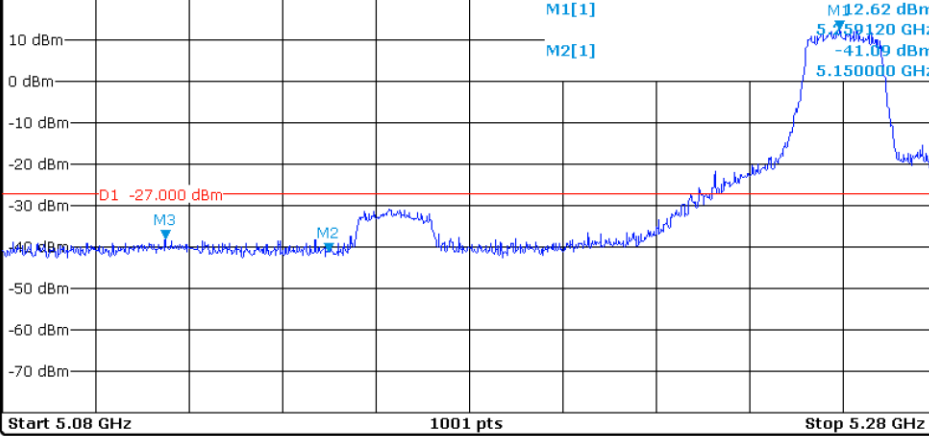
Test Graphs

Band Edge NVNT a 5260MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.24 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

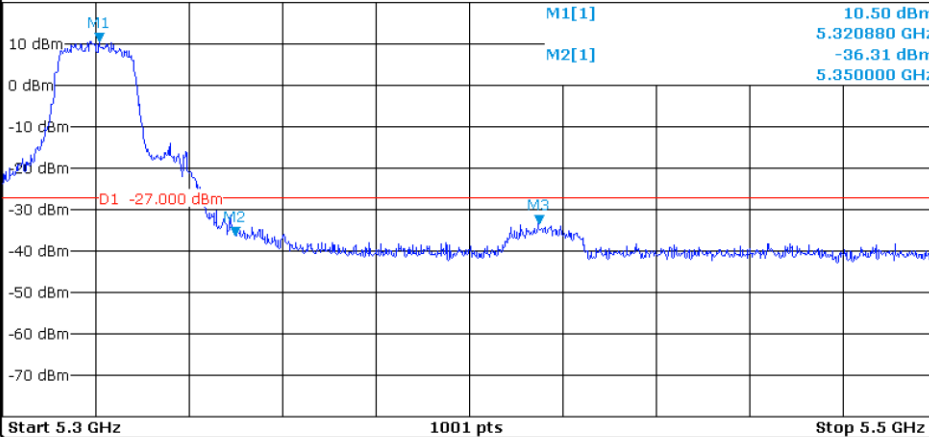
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.25912 GHz	12.62 dBm		
M2	1		5.15 GHz	-41.09 dBm		
M3	1		5.115 GHz	-37.90 dBm		

Band Edge NVNT a 5320MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.28 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

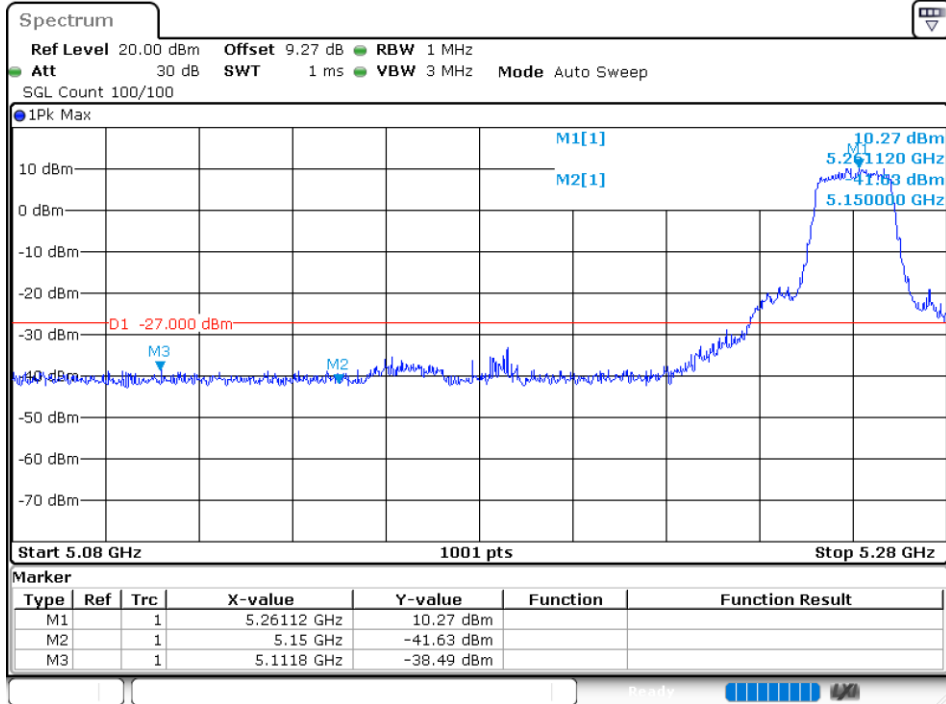
1Pk Max



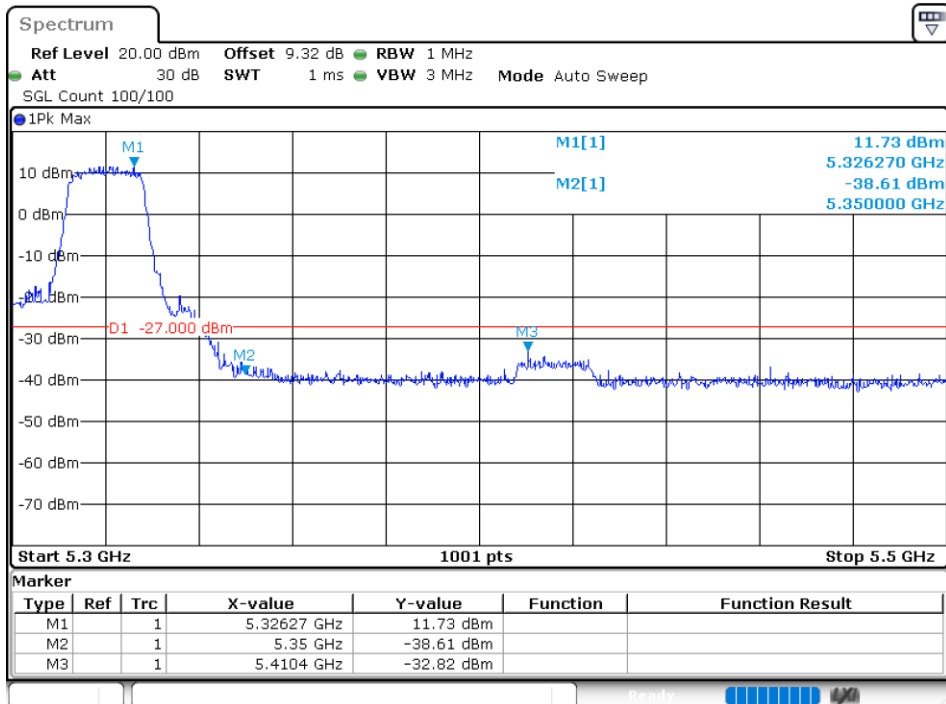
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.32088 GHz	10.50 dBm		
M2	1		5.35 GHz	-36.31 dBm		
M3	1		5.4148 GHz	-33.35 dBm		

Band Edge NVNT a 5260MHz Low Ant2



Band Edge NVNT a 5320MHz High Ant2

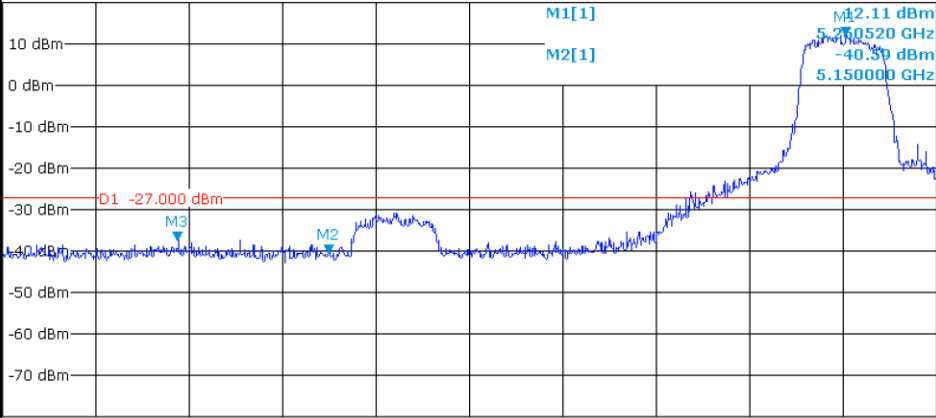


Band Edge NVNT n20 5260MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.24 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

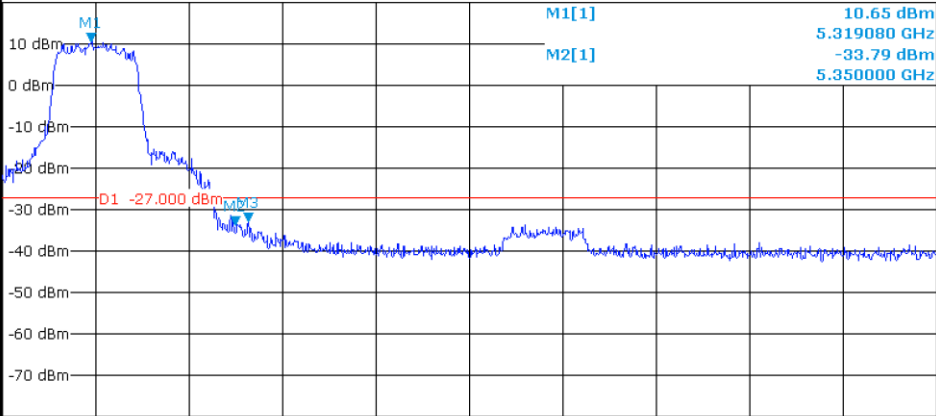
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.26052 GHz	12.11 dBm		
M2		1	5.15 GHz	-40.59 dBm		
M3		1	5.1176 GHz	-37.43 dBm		

Band Edge NVNT n20 5320MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.28 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

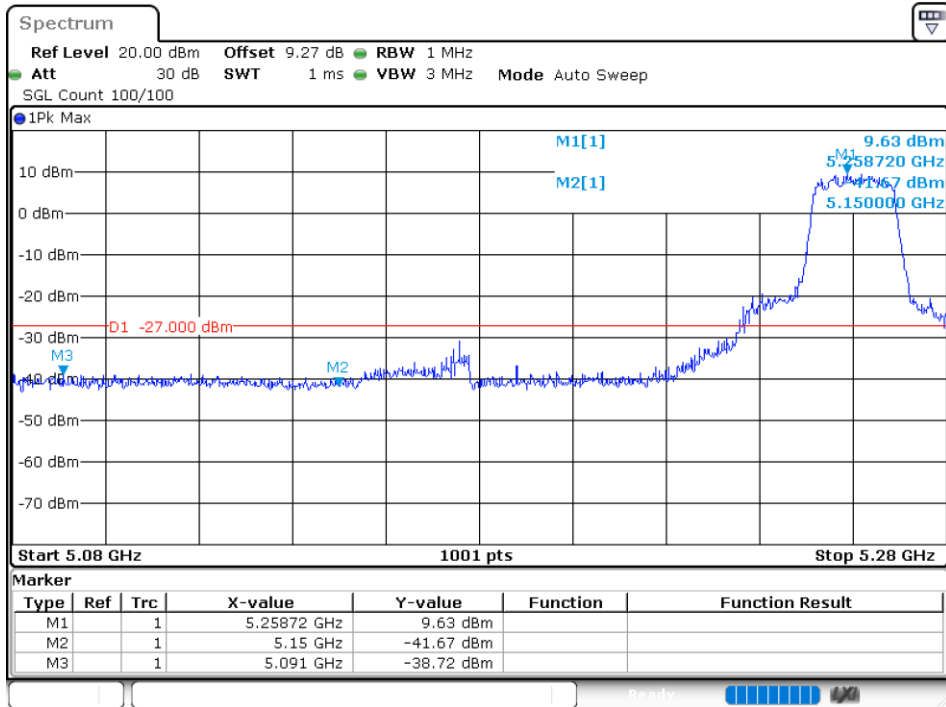
1Pk Max



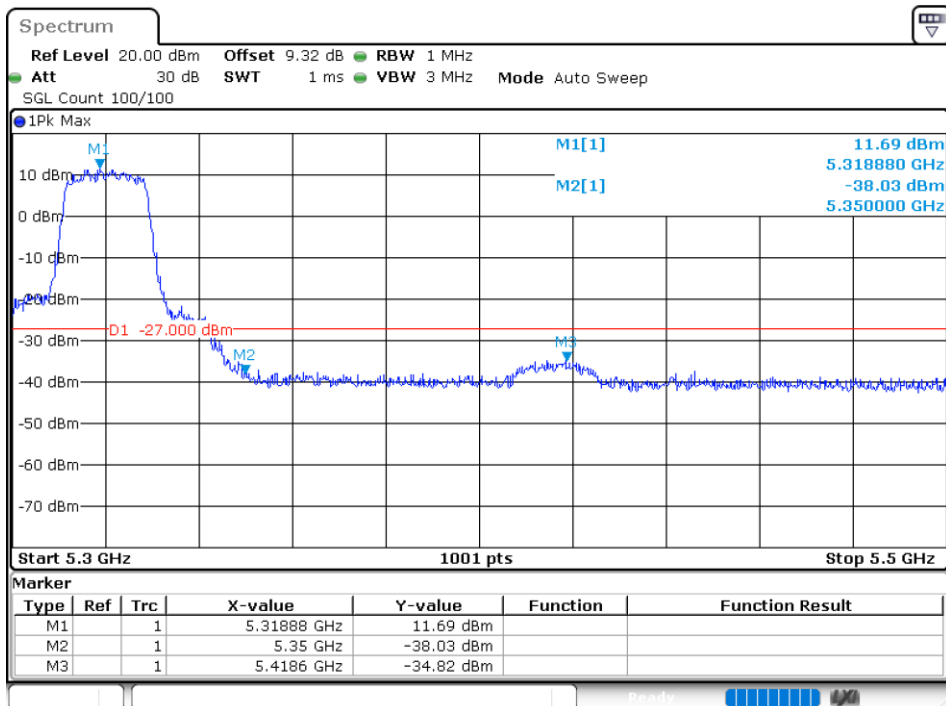
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31908 GHz	10.65 dBm		
M2		1	5.35 GHz	-33.79 dBm		
M3		1	5.3526 GHz	-32.75 dBm		

Band Edge NVNT n20 5260MHz Low Ant2



Band Edge NVNT n20 5320MHz High Ant2

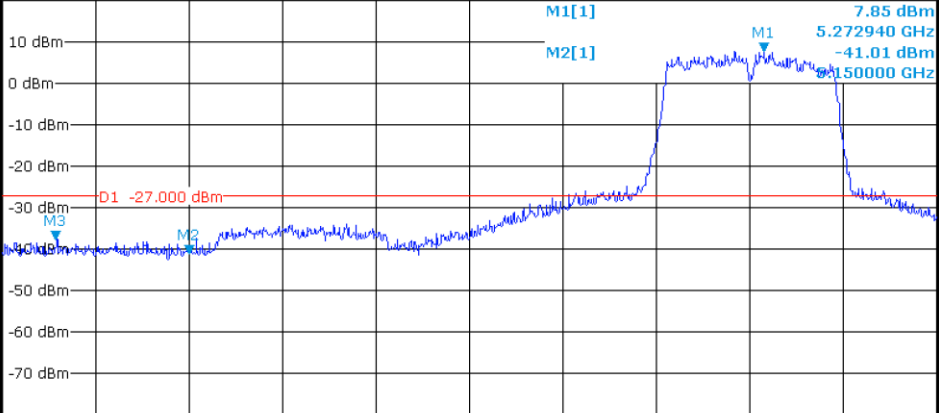


Band Edge NVNT n40 5270MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.24 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

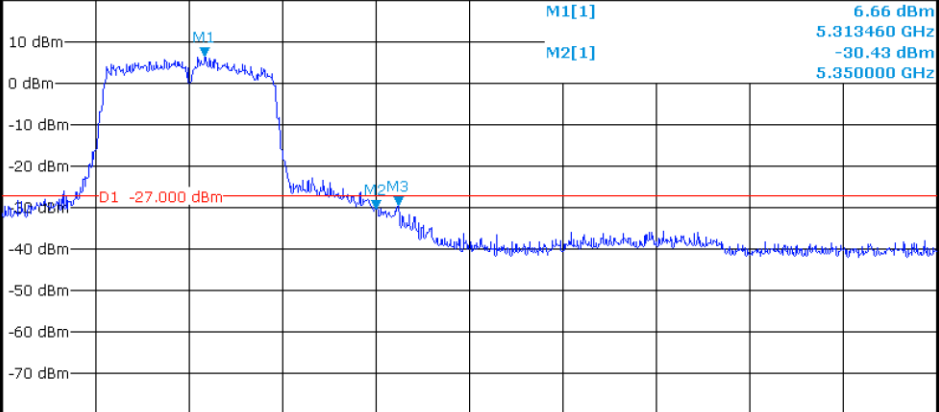
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.27294 GHz	7.85 dBm		
M2	1		5.15 GHz	-41.01 dBm		
M3	1		5.1216 GHz	-37.68 dBm		

Band Edge NVNT n40 5310MHz High Ant1

Spectrum

Ref Level 20.00 dBm Offset 9.27 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

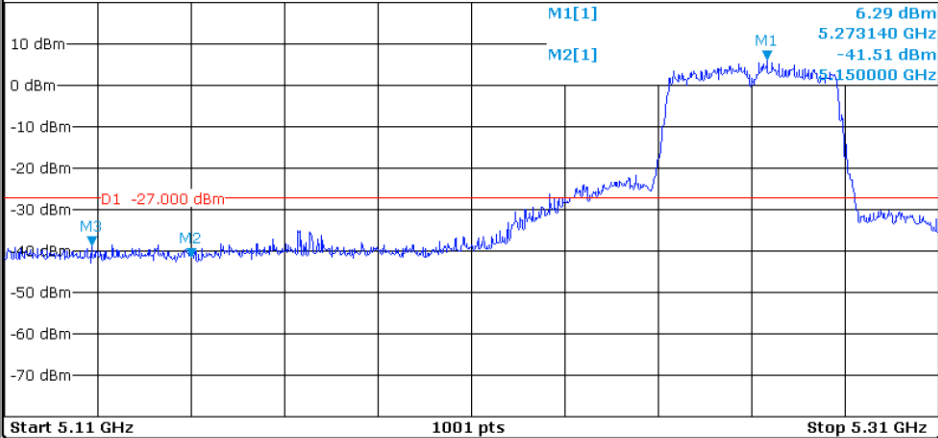
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.31346 GHz	6.66 dBm		
M2	1		5.35 GHz	-30.43 dBm		
M3	1		5.3548 GHz	-29.50 dBm		

Band Edge NVNT n40 5270MHz Low Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.28 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

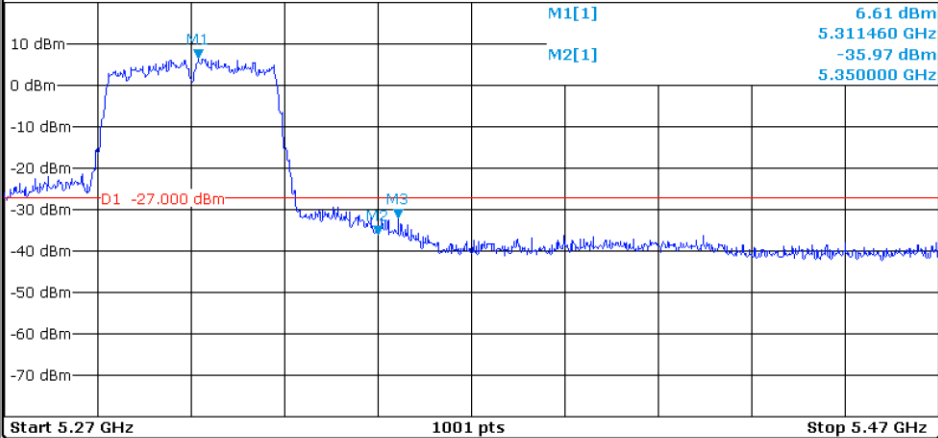
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.27314 GHz	6.29 dBm		
M2		1	5.15 GHz	-41.51 dBm		
M3		1	5.1288 GHz	-38.65 dBm		

Band Edge NVNT n40 5310MHz High Ant2

Spectrum

Ref Level 20.00 dBm Offset 9.31 dB RBW 1 MHz
Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

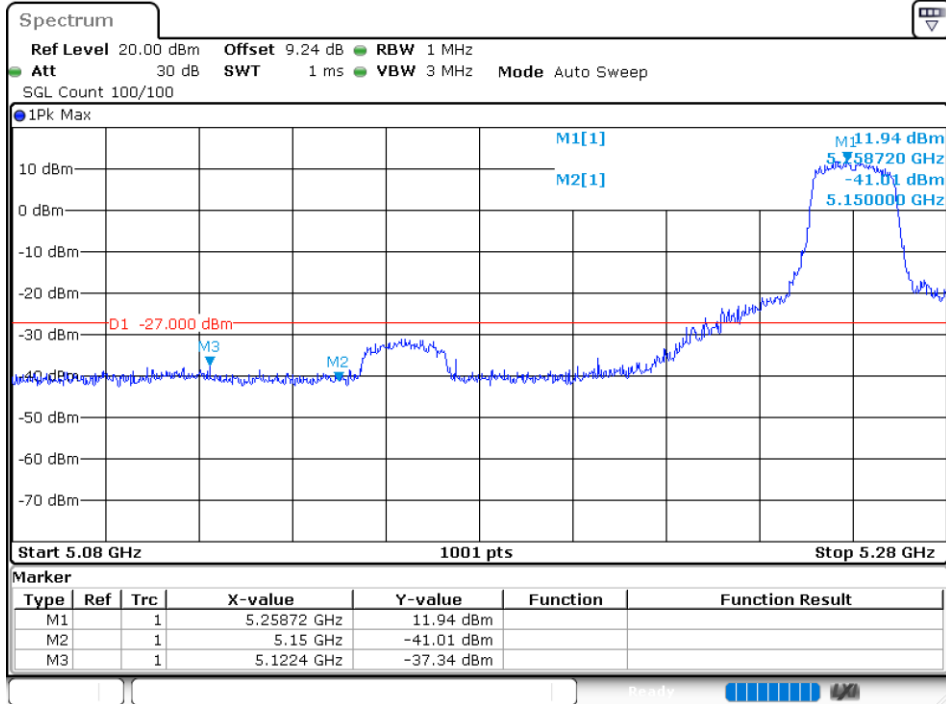
1Pk Max



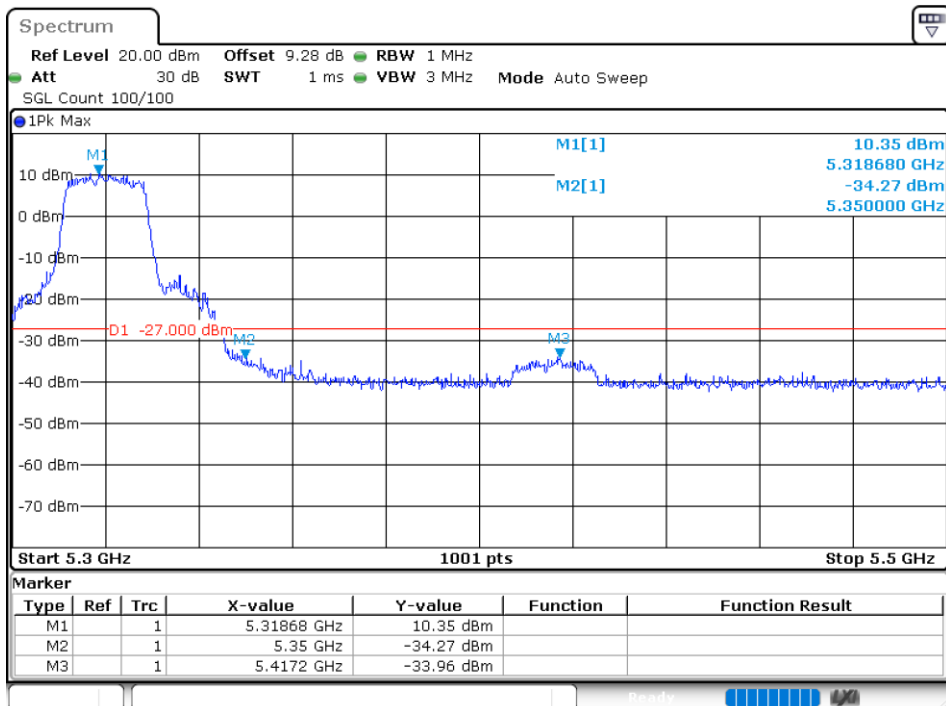
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.31146 GHz	6.61 dBm		
M2		1	5.35 GHz	-35.97 dBm		
M3		1	5.3544 GHz	-31.95 dBm		

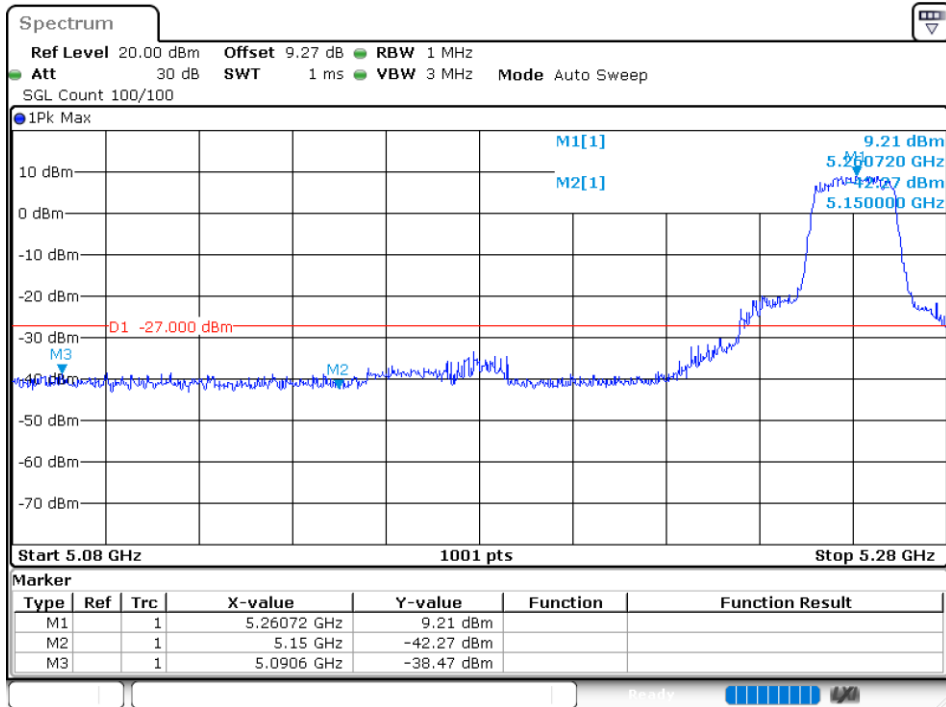
Band Edge NVNT ac20 5260MHz Low Ant1



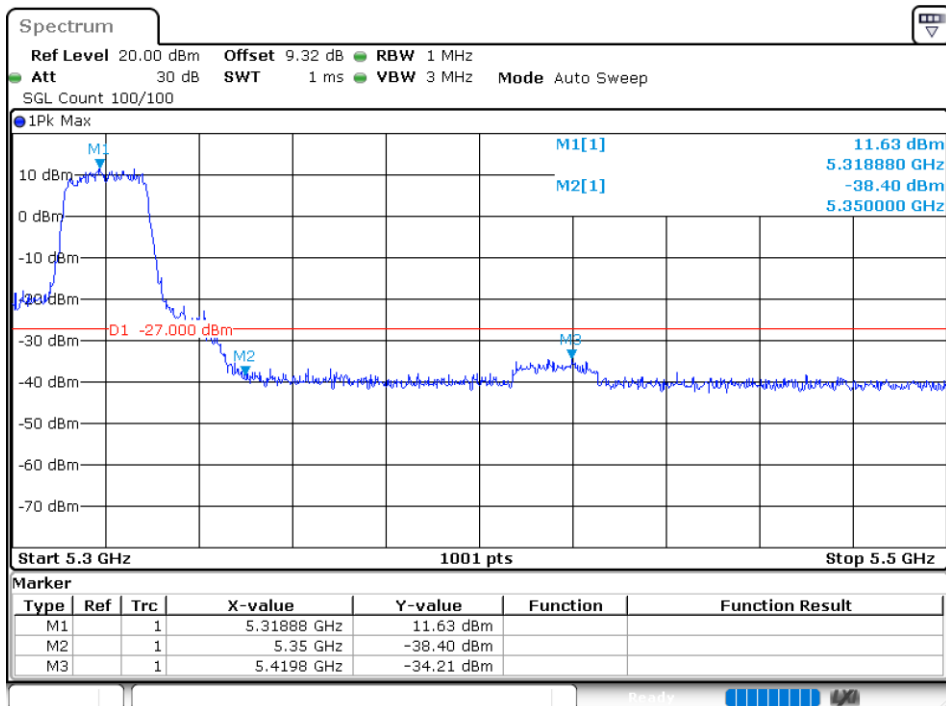
Band Edge NVNT ac20 5320MHz High Ant1



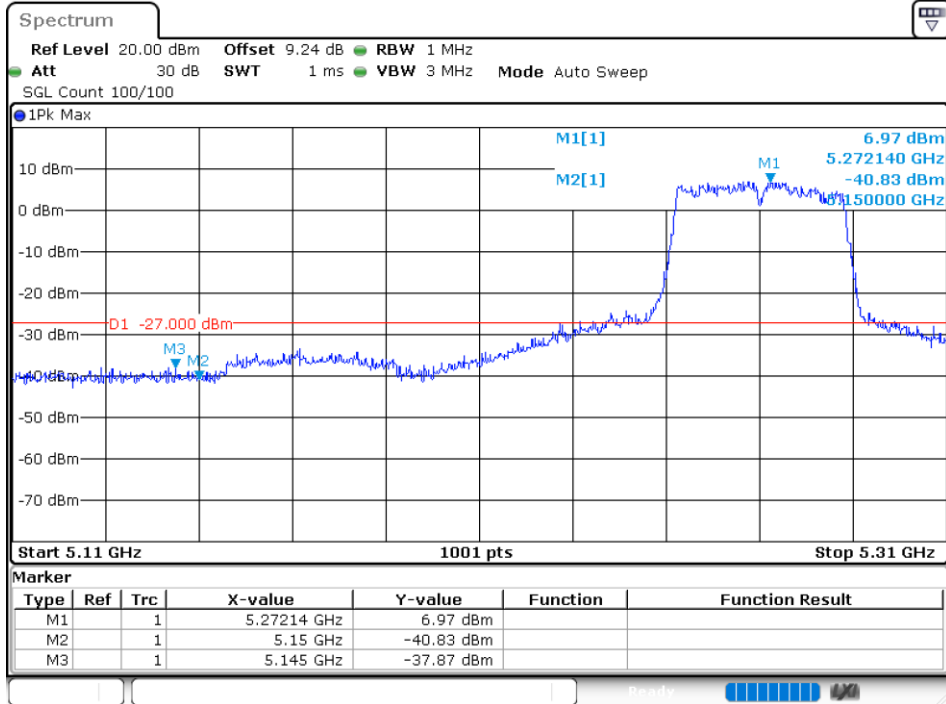
Band Edge NVNT ac20 5260MHz Low Ant2



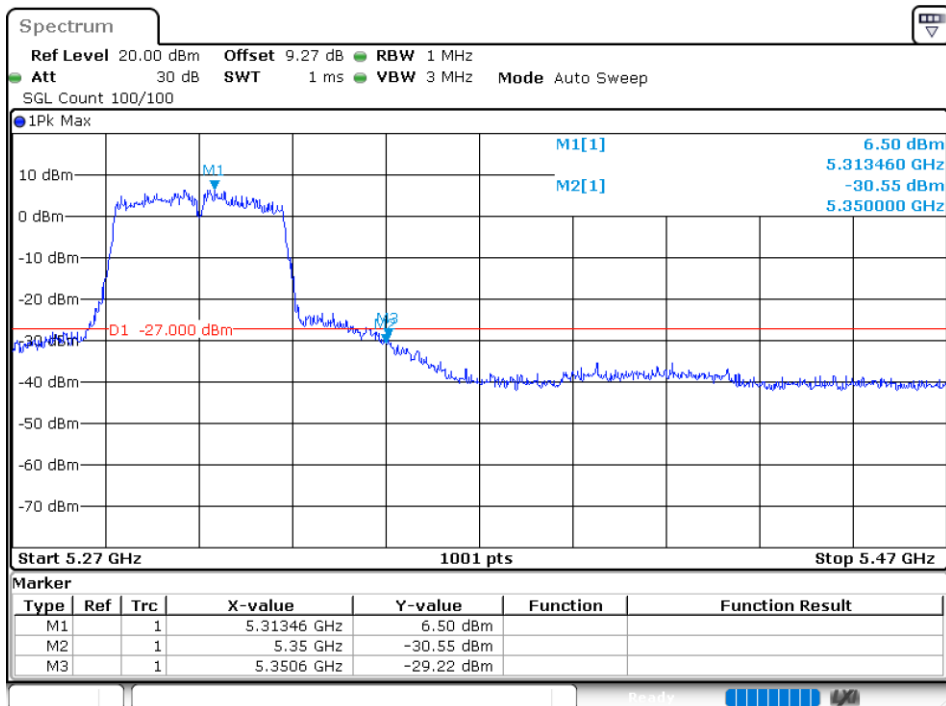
Band Edge NVNT ac20 5320MHz High Ant2



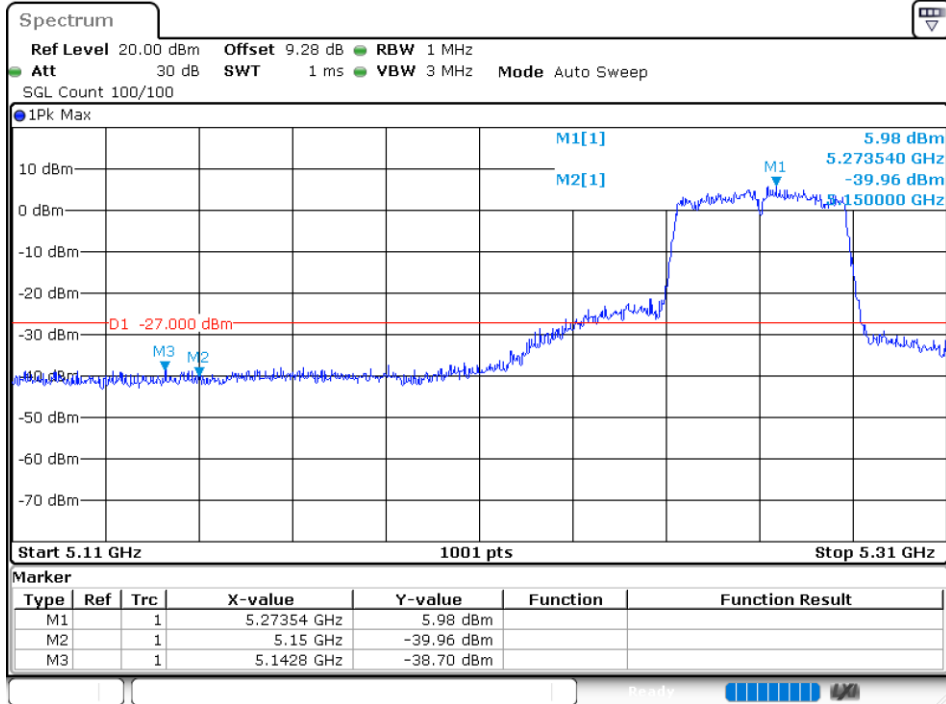
Band Edge NVNT ac40 5270MHz Low Ant1



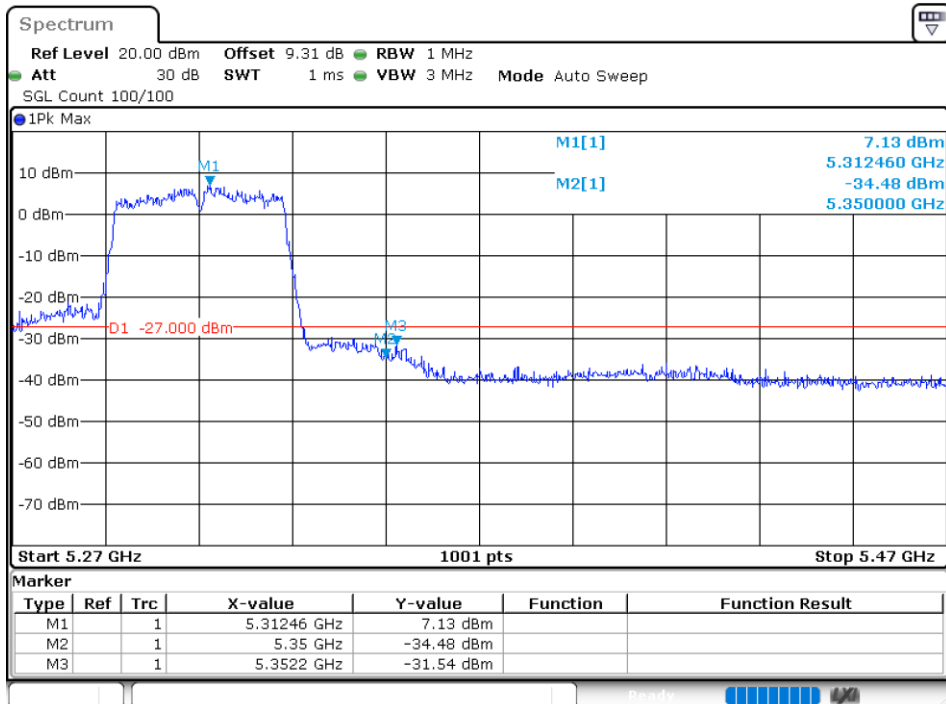
Band Edge NVNT ac40 5310MHz High Ant1



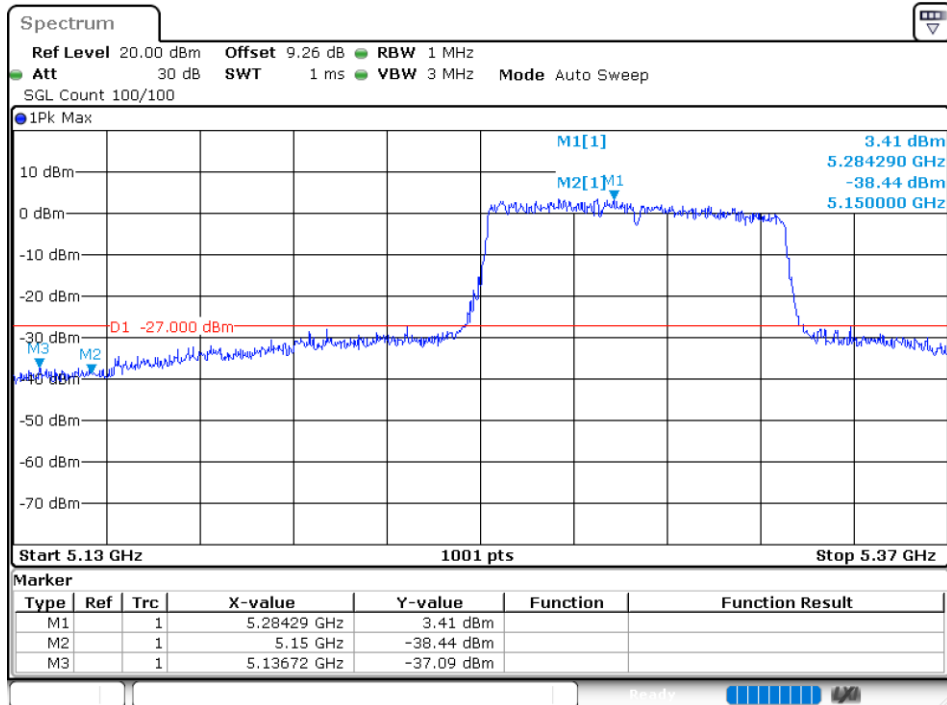
Band Edge NVNT ac40 5270MHz Low Ant2



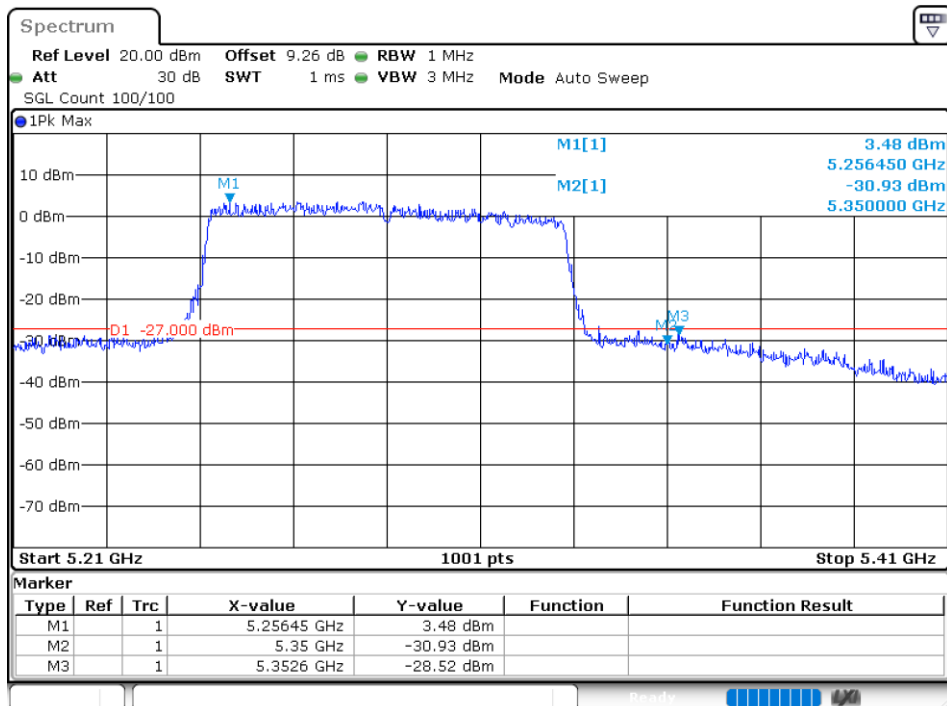
Band Edge NVNT ac40 5310MHz High Ant2



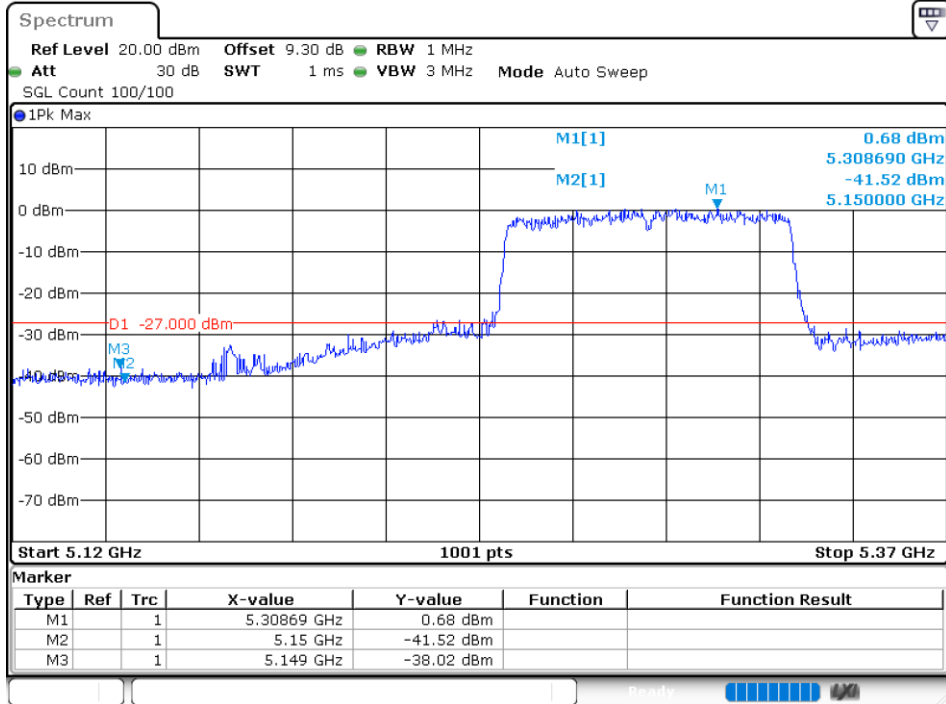
Band Edge NVNT ac80 5290MHz Low Ant1



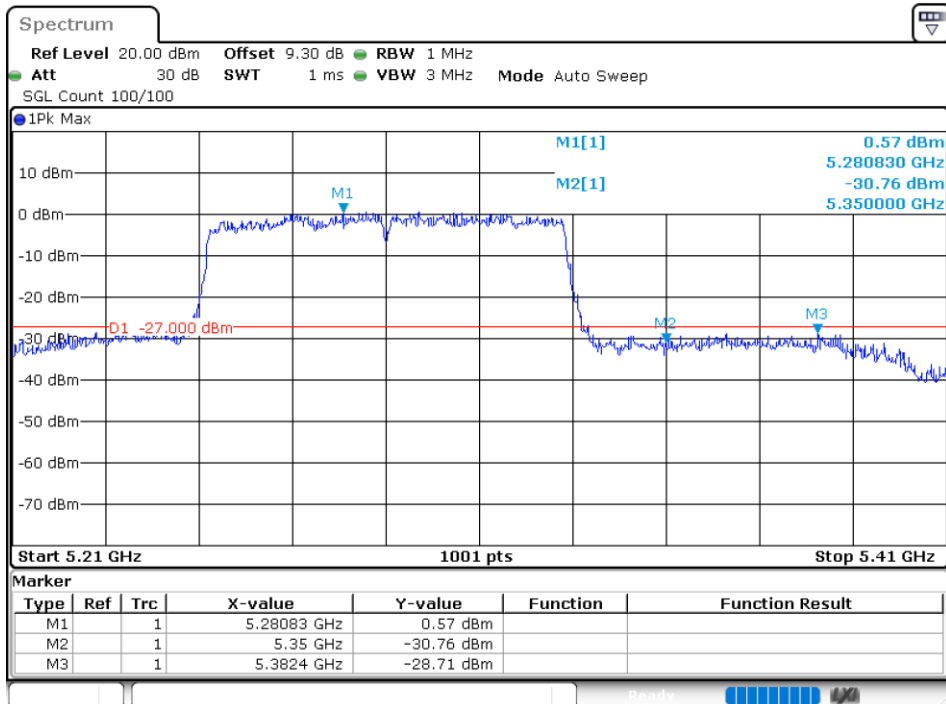
Band Edge NVNT ac80 5290MHz High Ant1



Band Edge NVNT ac80 5290MHz Low Ant2



Band Edge NVNT ac80 5290MHz High Ant2



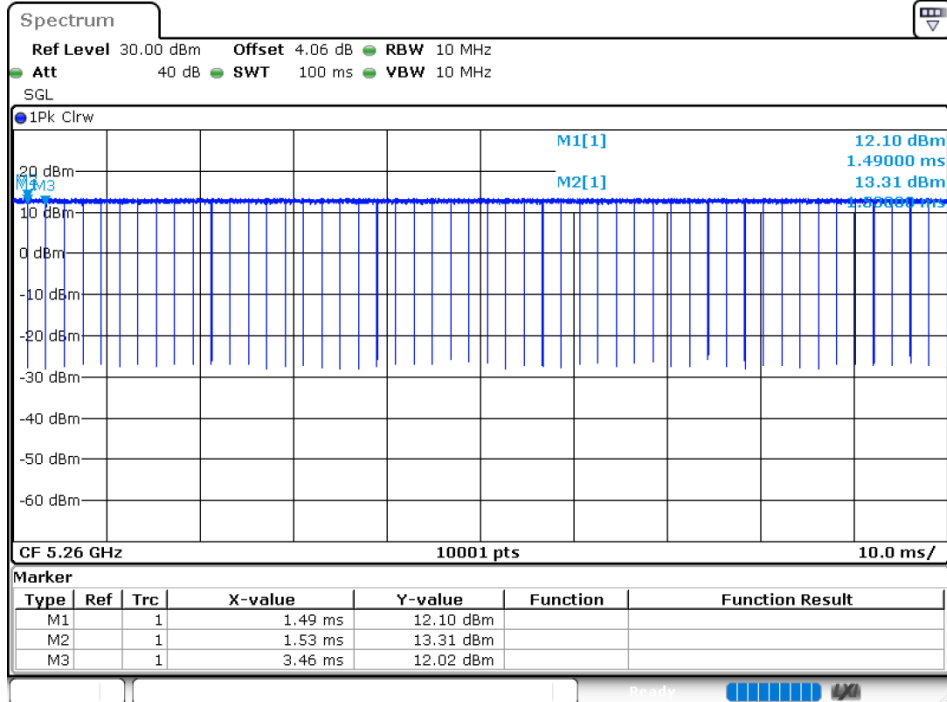
5.3GWIFI MIMO

Duty Cycle

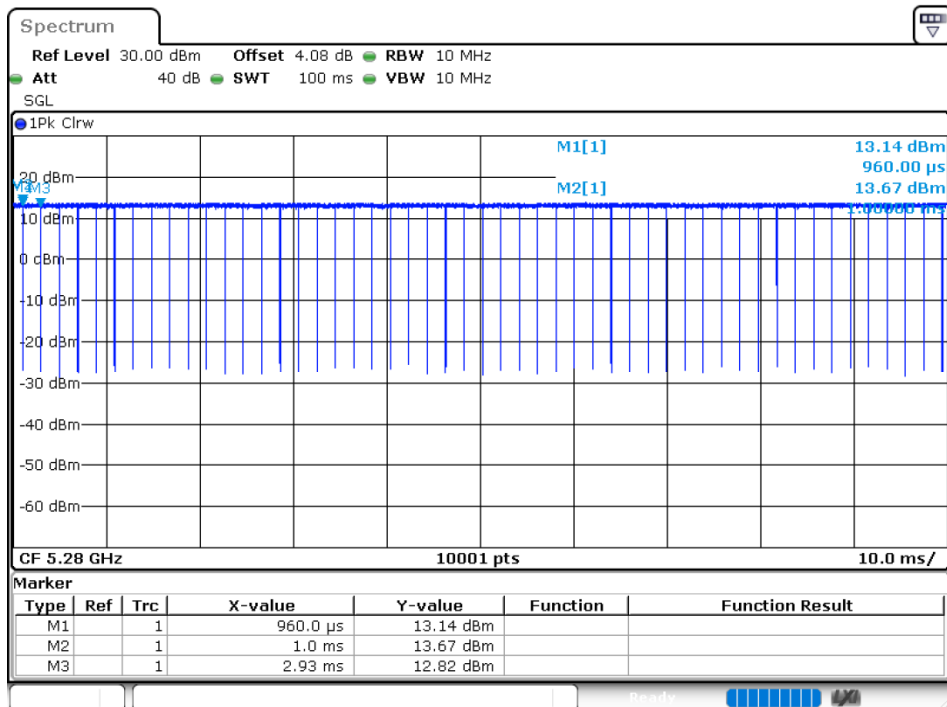
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5260	Ant1	98.62	0.06	0.52
NVNT	ac20	5280	Ant1	98.62	0.06	0.52
NVNT	ac20	5320	Ant1	98.62	0.06	0.52
NVNT	ac40	5270	Ant1	97.37	0.12	1.05
NVNT	ac40	5310	Ant1	97.37	0.12	1.05
NVNT	ac80	5290	Ant1	94	0.27	2.17
NVNT	n20	5260	Ant1	98.64	0.06	0.52
NVNT	n20	5280	Ant1	98.61	0.06	0.52
NVNT	n20	5320	Ant1	98.61	0.06	0.52
NVNT	n40	5270	Ant1	97.32	0.12	1.05
NVNT	n40	5310	Ant1	97.33	0.12	1.05
NVNT	ac20	5260	Ant2	98.62	0.06	0.52
NVNT	ac20	5280	Ant2	98.62	0.06	0.52
NVNT	ac20	5320	Ant2	98.62	0.06	0.52
NVNT	ac40	5270	Ant2	97.3	0.12	1.05
NVNT	ac40	5310	Ant2	97.32	0.12	1.05
NVNT	ac80	5290	Ant2	94	0.27	2.17
NVNT	n20	5260	Ant2	98.62	0.06	0.52
NVNT	n20	5280	Ant2	98.61	0.06	0.52
NVNT	n20	5320	Ant2	98.62	0.06	0.52
NVNT	n40	5270	Ant2	97.32	0.12	1.06
NVNT	n40	5310	Ant2	97.17	0.12	1.06

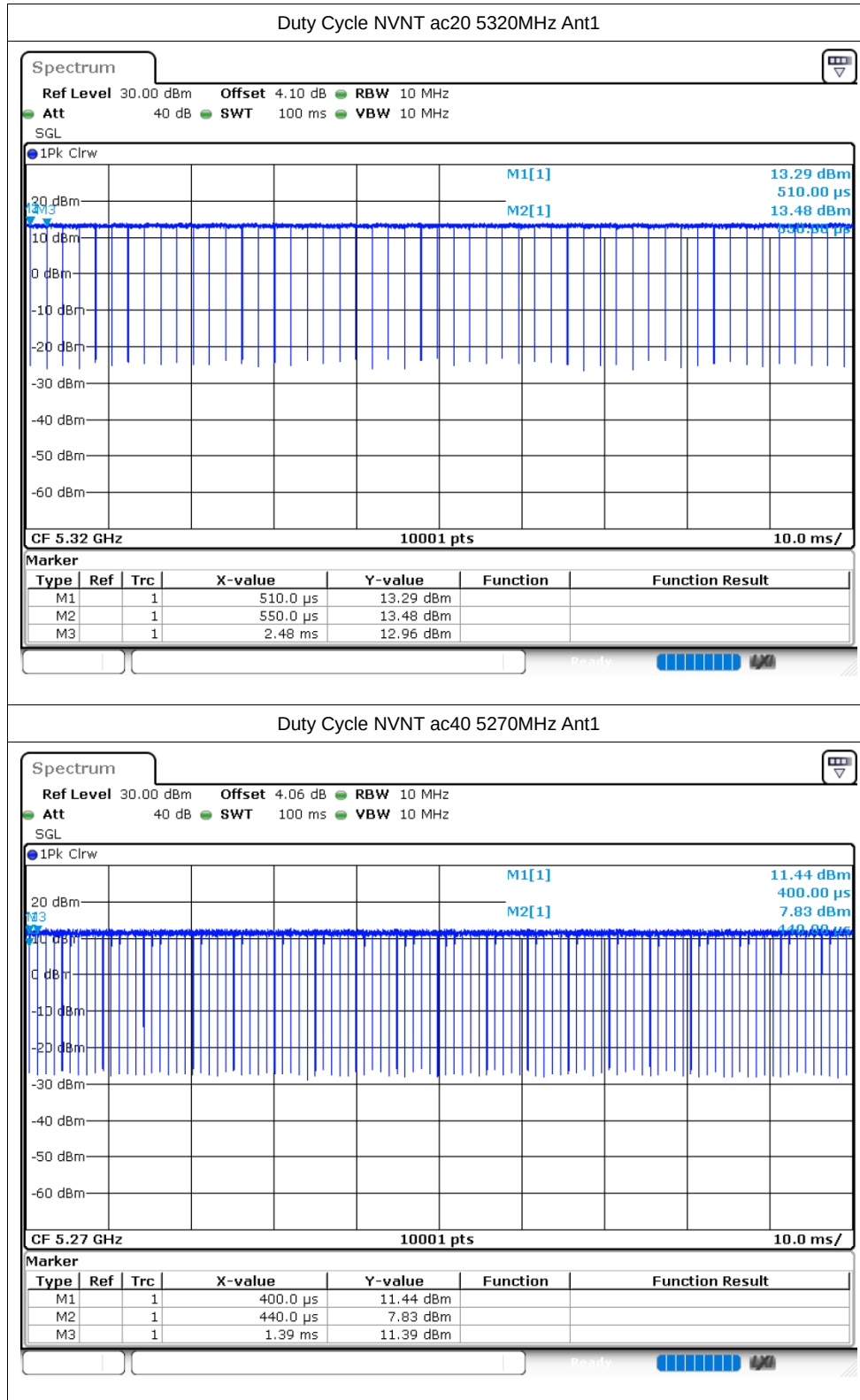
Test Graphs

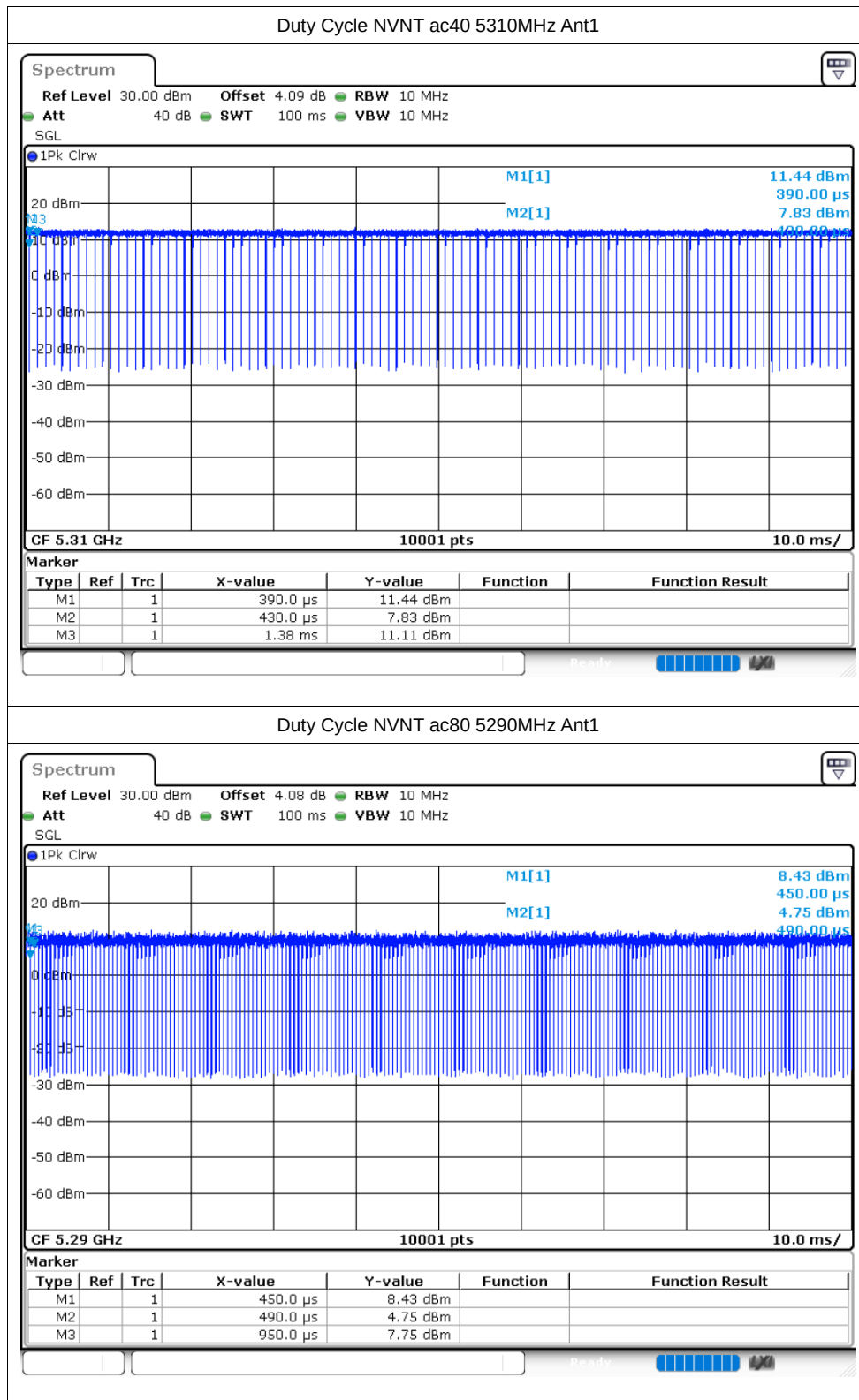
Duty Cycle NVNT ac20 5260MHz Ant1

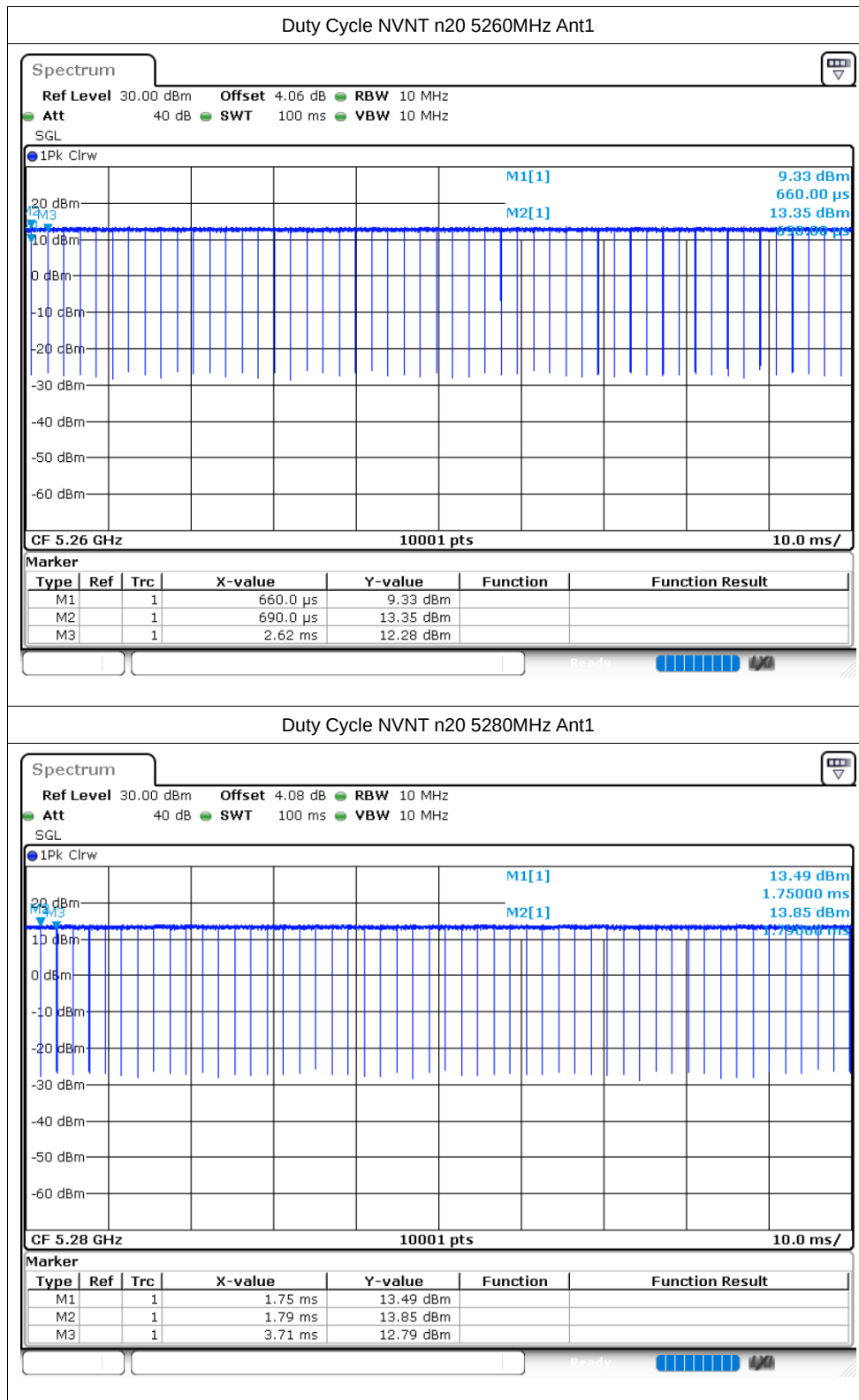


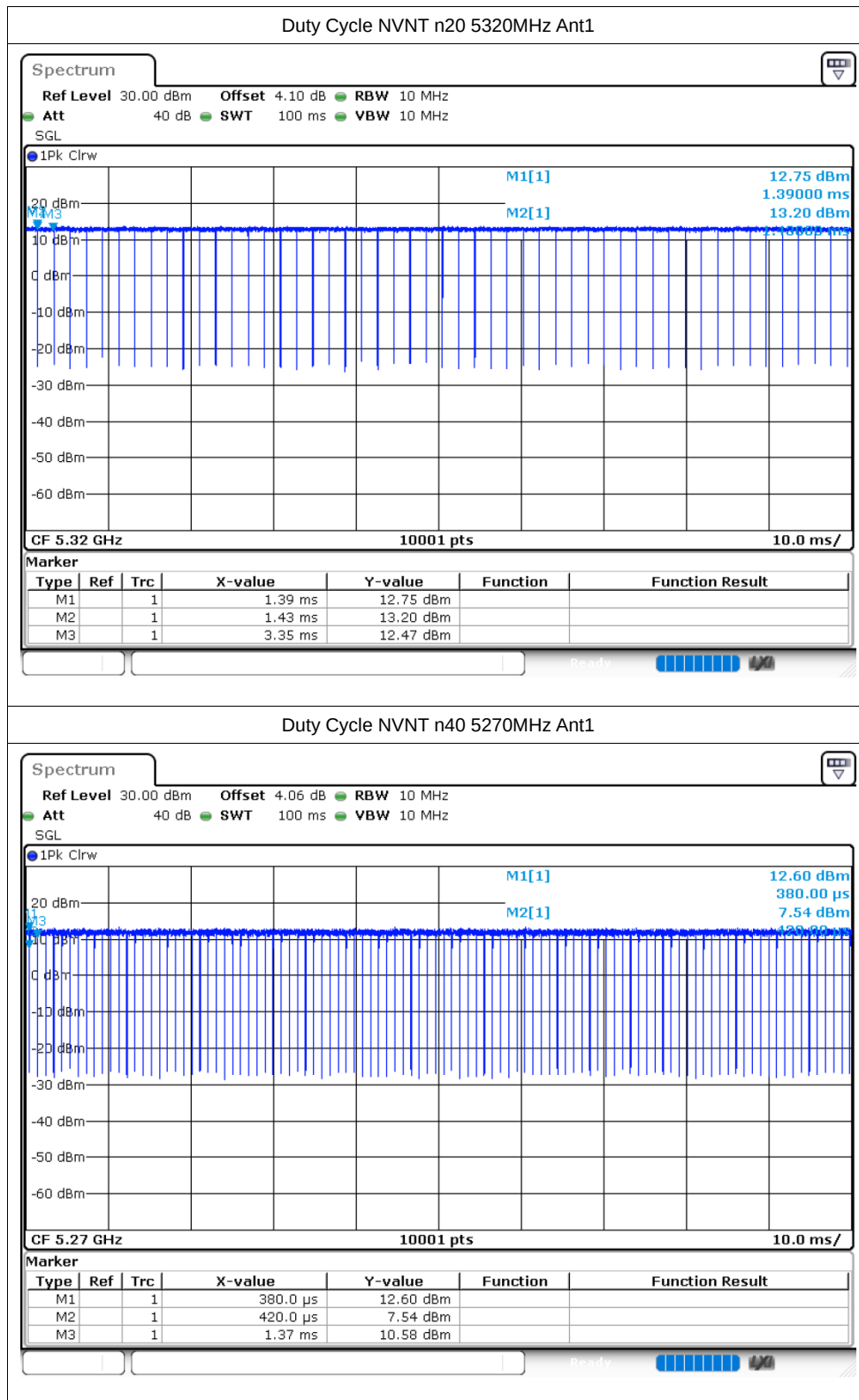
Duty Cycle NVNT ac20 5280MHz Ant1



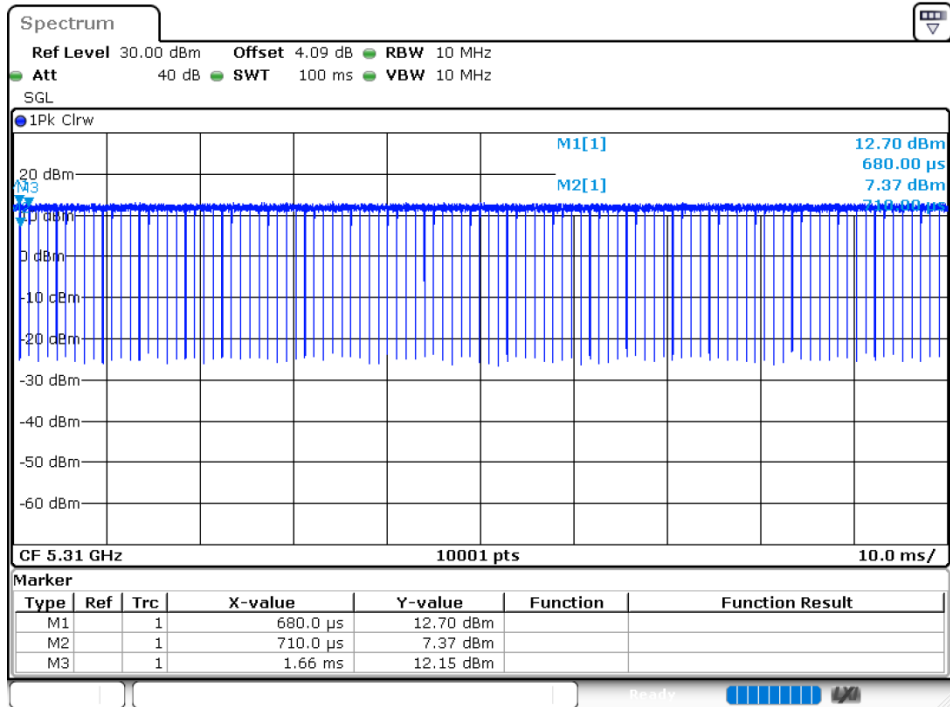




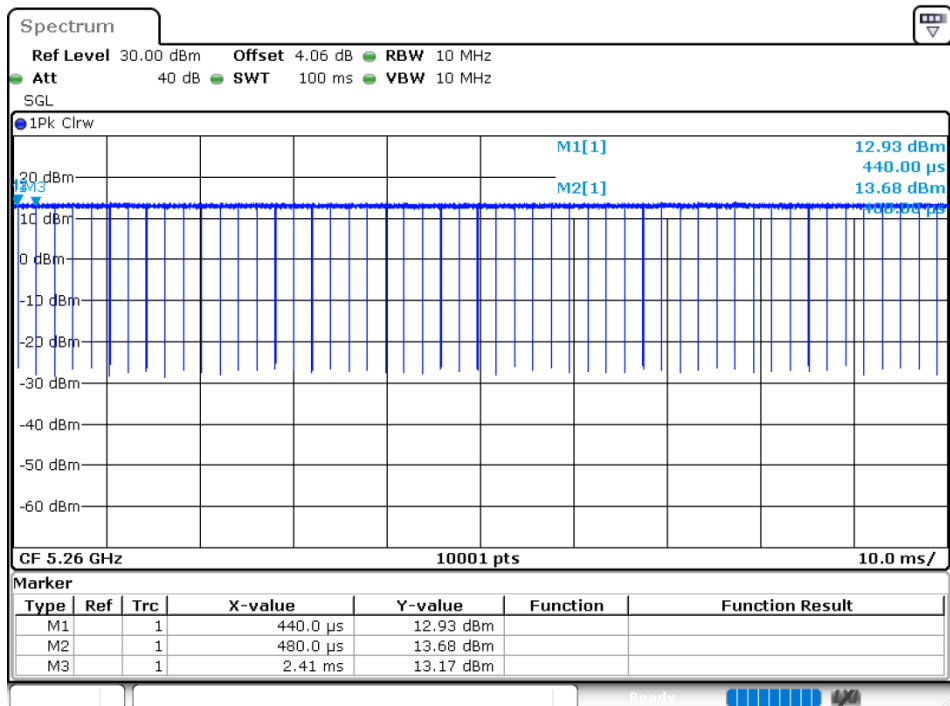


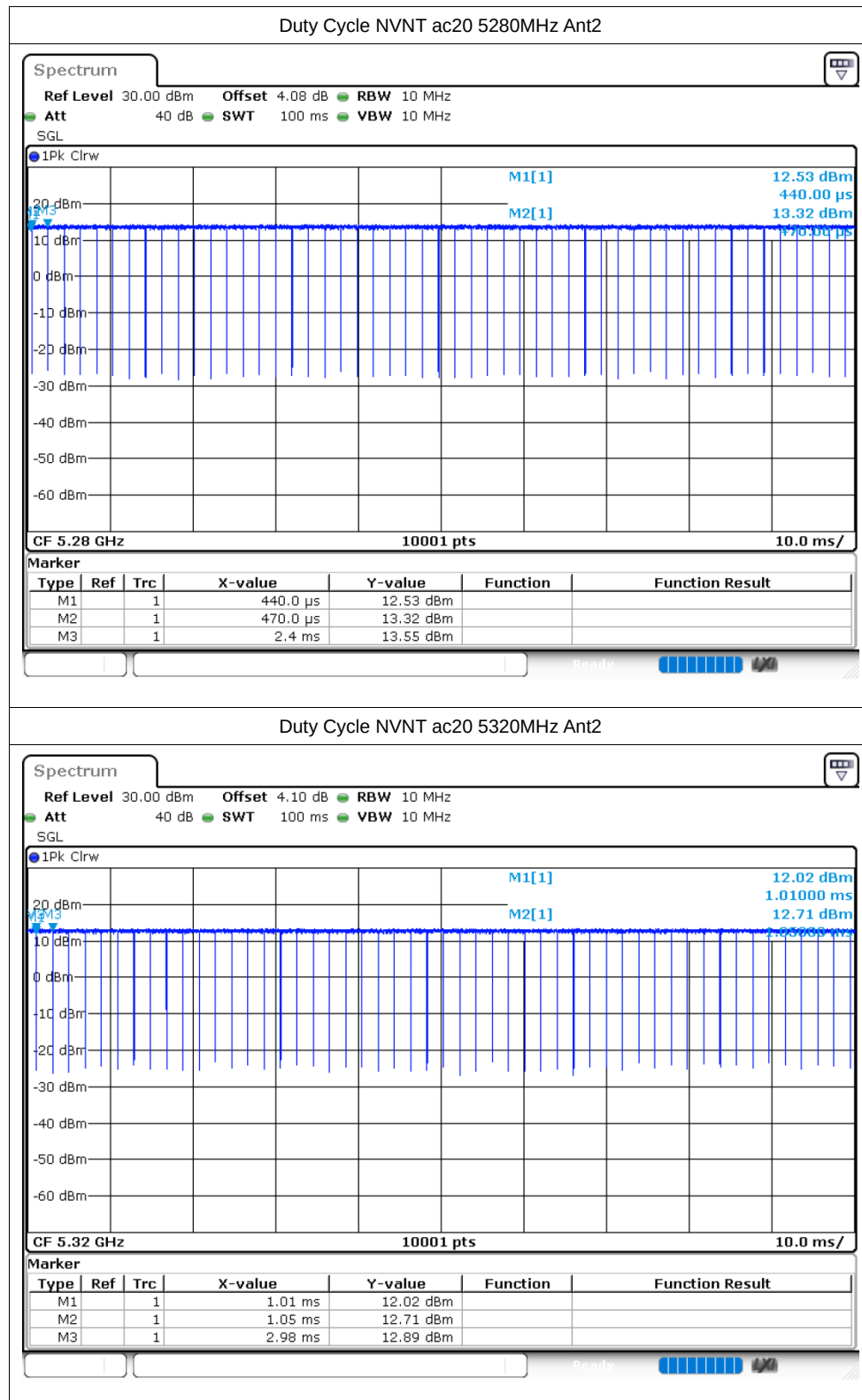


Duty Cycle NVNT n40 5310MHz Ant1

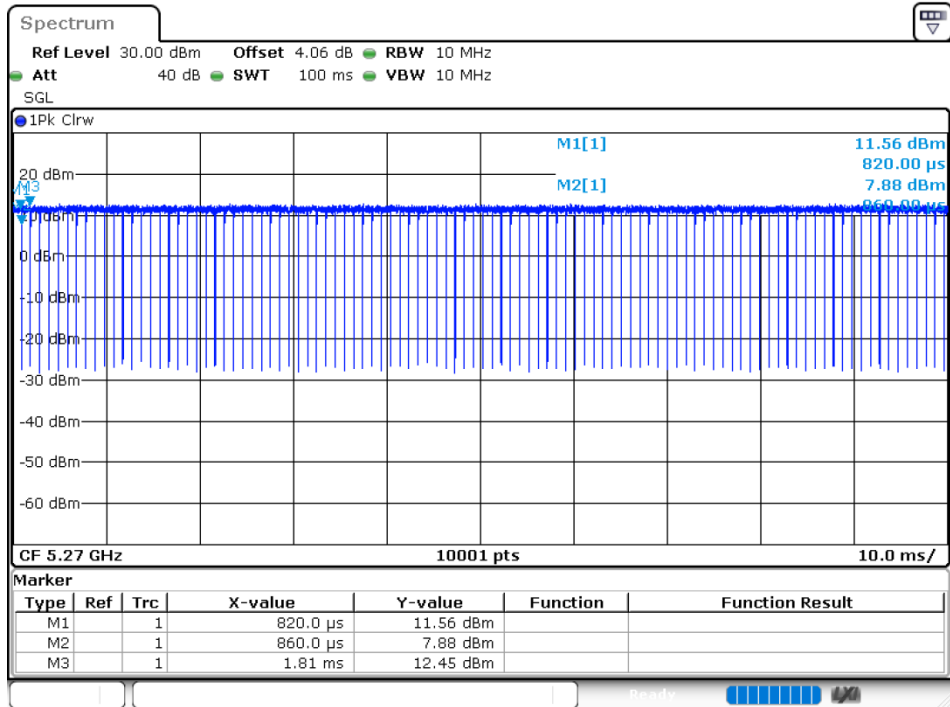


Duty Cycle NVNT ac20 5260MHz Ant2

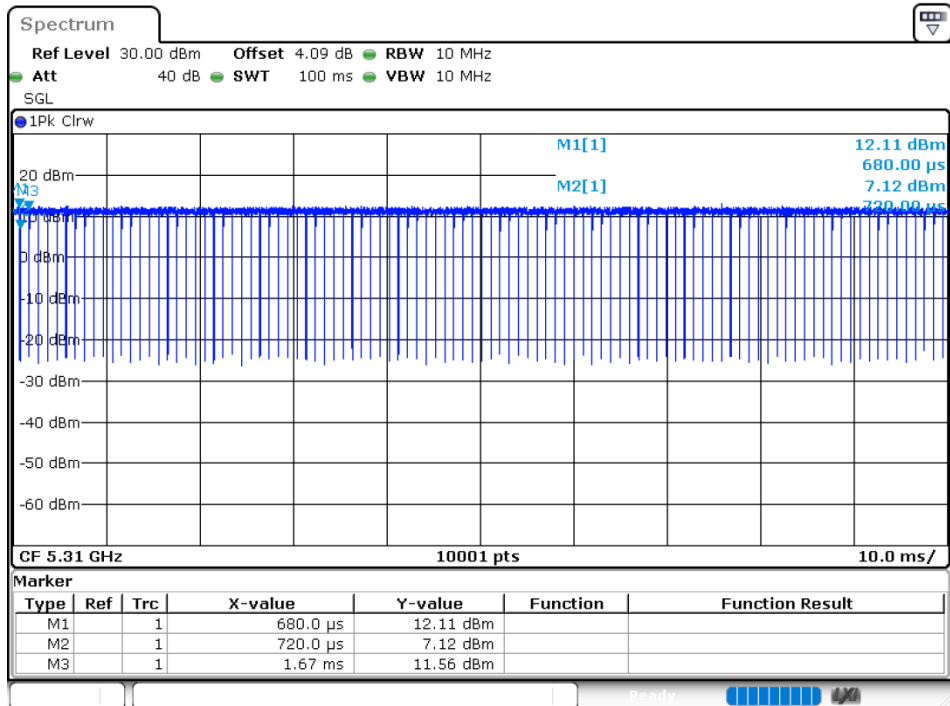


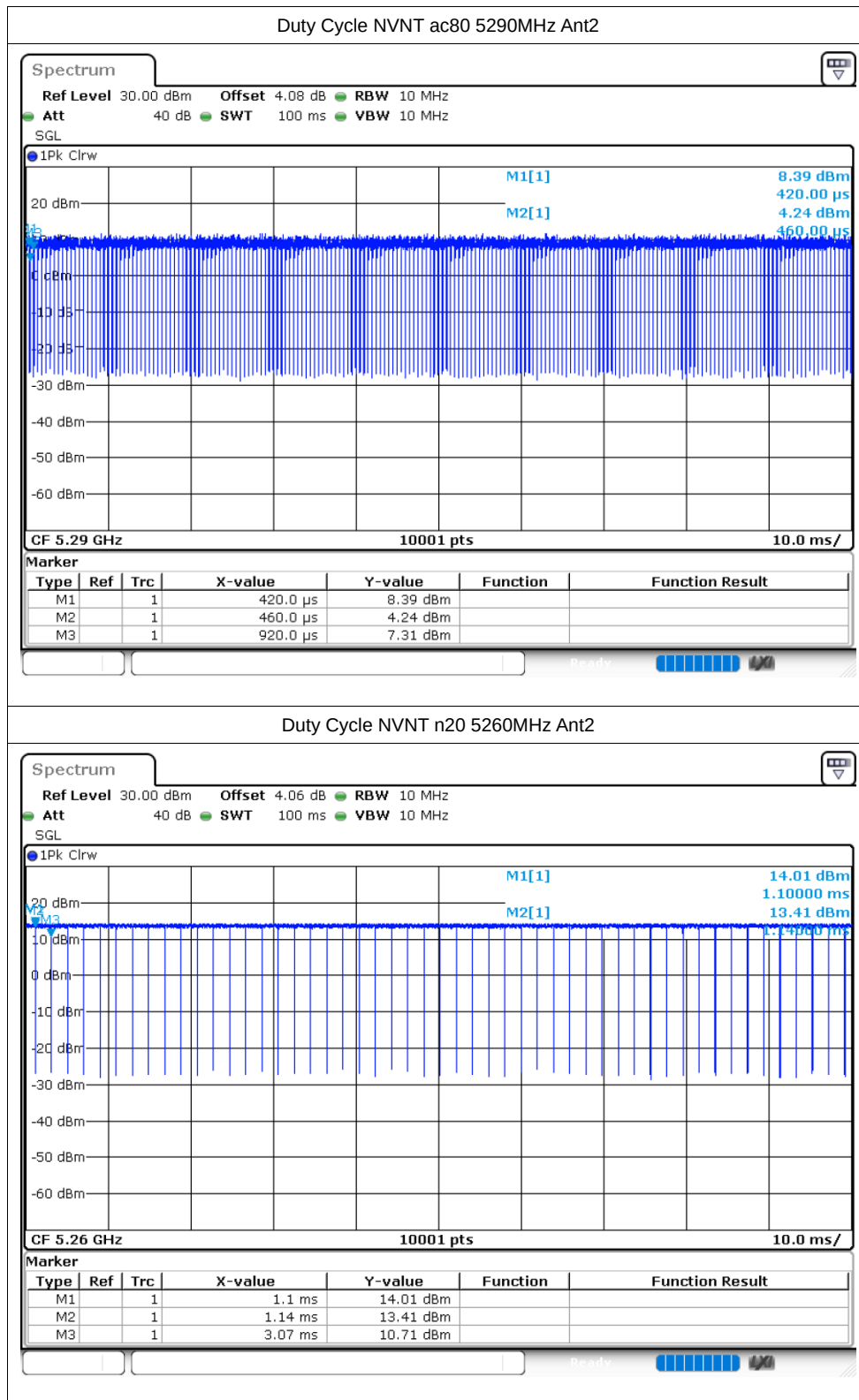


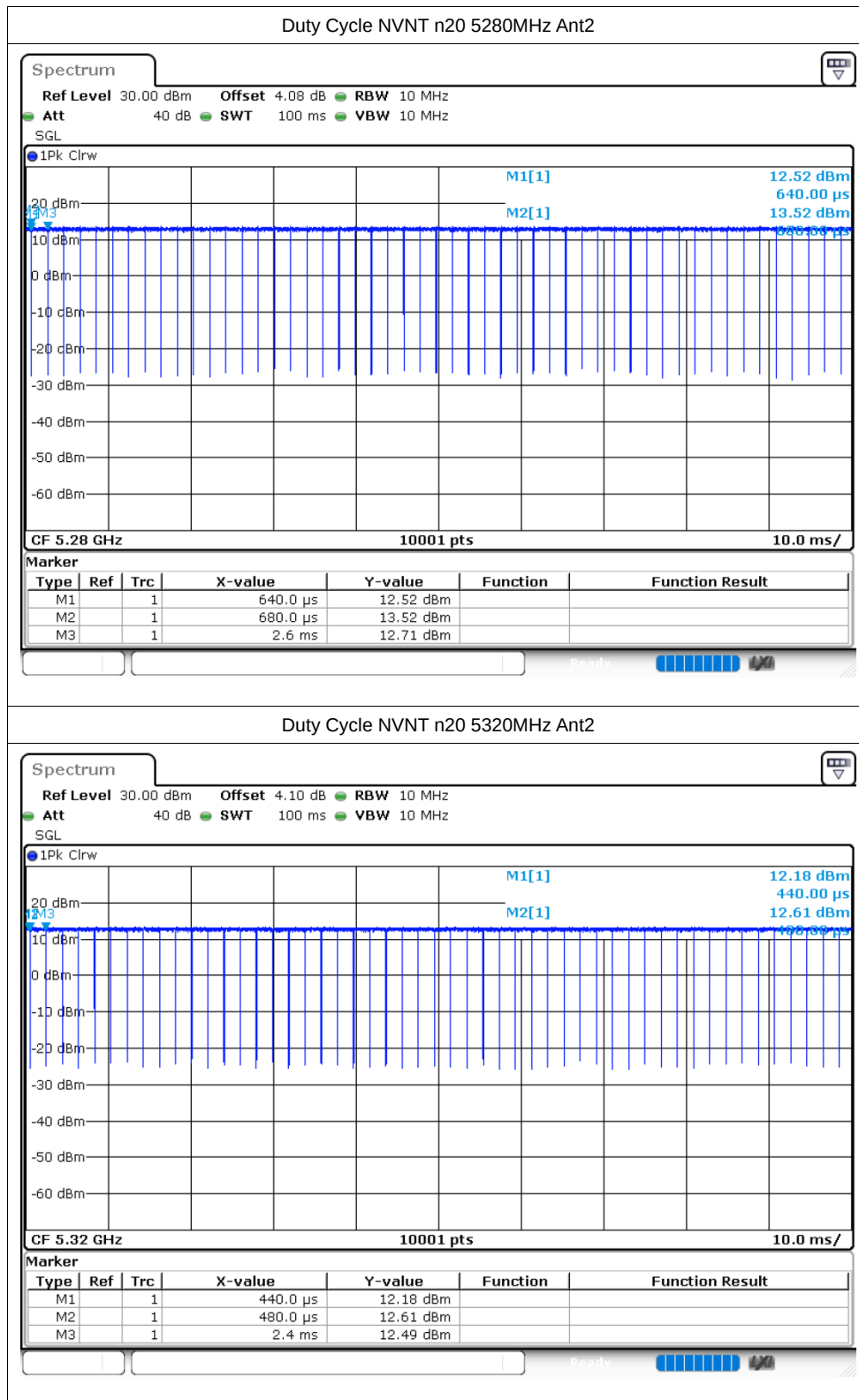
Duty Cycle NVNT ac40 5270MHz Ant2

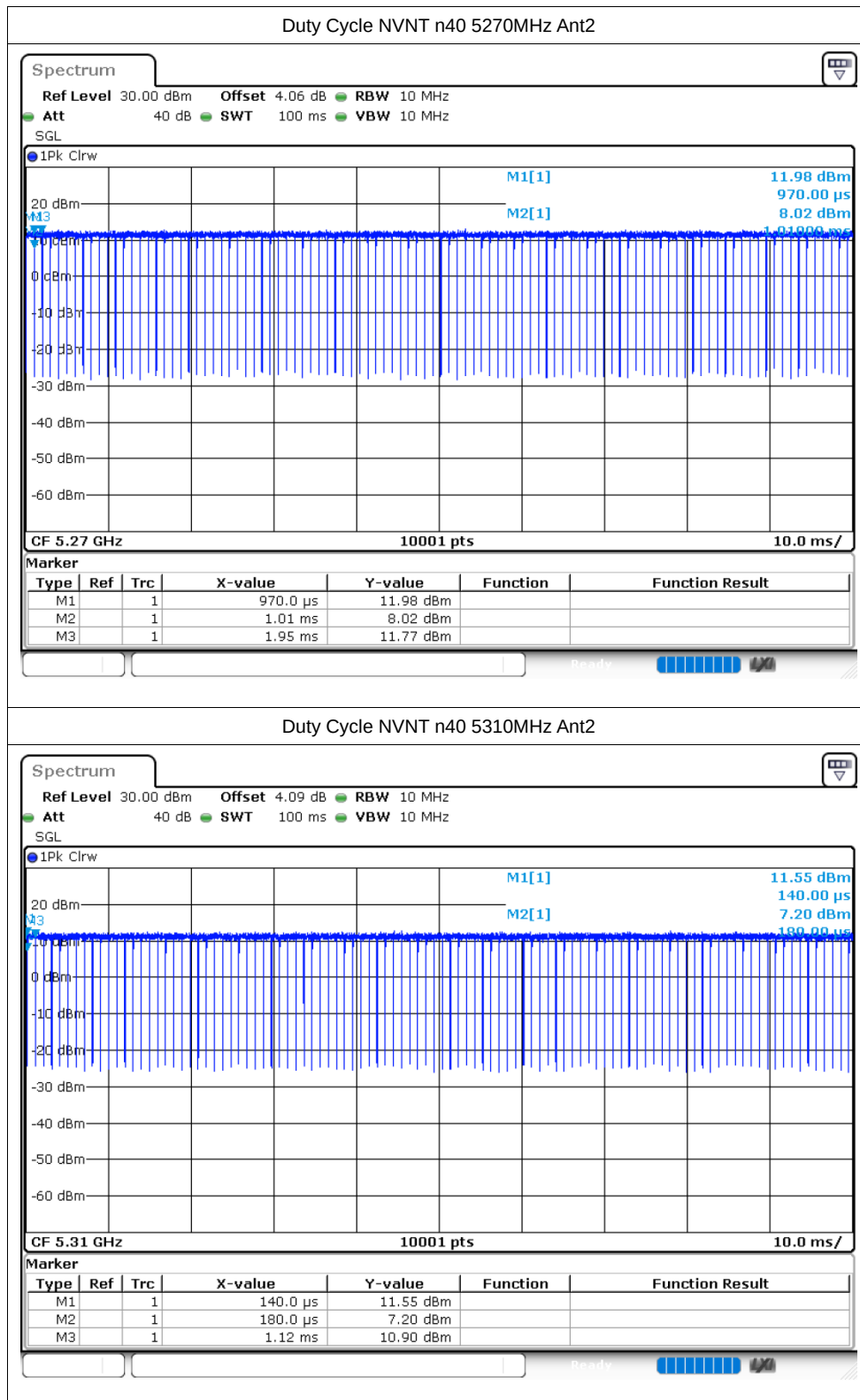


Duty Cycle NVNT ac40 5310MHz Ant2









Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5260	Ant1	10.75	21.81	Pass
NVNT	ac20	5260	Ant2	9.44	21.81	Pass
NVNT	ac20	5260	Sum	13.15	21.81	Pass
NVNT	ac20	5280	Ant1	11.38	21.81	Pass
NVNT	ac20	5280	Ant2	9.62	21.81	Pass
NVNT	ac20	5280	Sum	13.6	21.81	Pass
NVNT	ac20	5320	Ant1	10.71	21.81	Pass
NVNT	ac20	5320	Ant2	9.62	21.81	Pass
NVNT	ac20	5320	Sum	13.21	21.81	Pass
NVNT	ac40	5270	Ant1	11.37	21.81	Pass
NVNT	ac40	5270	Ant2	9.62	21.81	Pass
NVNT	ac40	5270	Sum	13.59	21.81	Pass
NVNT	ac40	5310	Ant1	11.4	21.81	Pass
NVNT	ac40	5310	Ant2	9.72	21.81	Pass
NVNT	ac40	5310	Sum	13.65	21.81	Pass
NVNT	ac80	5290	Ant1	10.94	21.81	Pass
NVNT	ac80	5290	Ant2	9.44	21.81	Pass
NVNT	ac80	5290	Sum	13.26	21.81	Pass
NVNT	n20	5260	Ant1	11.15	21.81	Pass
NVNT	n20	5260	Ant2	9.5	21.81	Pass
NVNT	n20	5260	Sum	13.41	21.81	Pass
NVNT	n20	5280	Ant1	11.39	21.81	Pass
NVNT	n20	5280	Ant2	9.71	21.81	Pass
NVNT	n20	5280	Sum	13.64	21.81	Pass
NVNT	n20	5320	Ant1	10.94	21.81	Pass
NVNT	n20	5320	Ant2	9.75	21.81	Pass
NVNT	n20	5320	Sum	13.4	21.81	Pass
NVNT	n40	5270	Ant1	11.52	21.81	Pass
NVNT	n40	5270	Ant2	9.6	21.81	Pass
NVNT	n40	5270	Sum	13.68	21.81	Pass
NVNT	n40	5310	Ant1	11.44	21.81	Pass
NVNT	n40	5310	Ant2	9.72	21.81	Pass
NVNT	n40	5310	Sum	13.67	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	5260	Ant1	21.45	Pass
NVNT	ac20	5260	Ant2	21.573	Pass
NVNT	ac20	5280	Ant1	21.447	Pass
NVNT	ac20	5280	Ant2	21.123	Pass
NVNT	ac20	5320	Ant1	21.243	Pass
NVNT	ac20	5320	Ant2	21.186	Pass
NVNT	ac40	5270	Ant1	41.592	Pass
NVNT	ac40	5270	Ant2	41.928	Pass
NVNT	ac40	5310	Ant1	41.544	Pass
NVNT	ac40	5310	Ant2	41.304	Pass
NVNT	ac80	5290	Ant1	84.432	Pass
NVNT	ac80	5290	Ant2	83.292	Pass
NVNT	n20	5260	Ant1	22.02	Pass
NVNT	n20	5260	Ant2	21.483	Pass
NVNT	n20	5280	Ant1	21.723	Pass
NVNT	n20	5280	Ant2	20.991	Pass
NVNT	n20	5320	Ant1	21.696	Pass
NVNT	n20	5320	Ant2	21.804	Pass
NVNT	n40	5270	Ant1	41.418	Pass
NVNT	n40	5270	Ant2	41.214	Pass
NVNT	n40	5310	Ant1	41.694	Pass
NVNT	n40	5310	Ant2	41.454	Pass

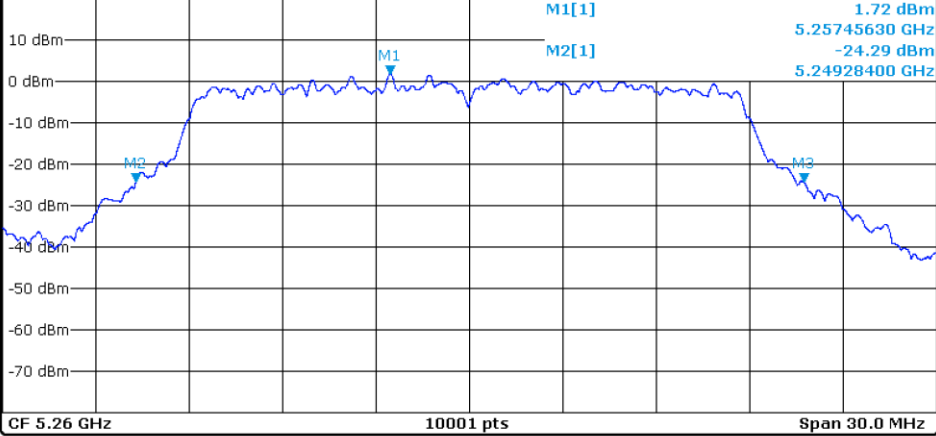
Test Graphs

-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

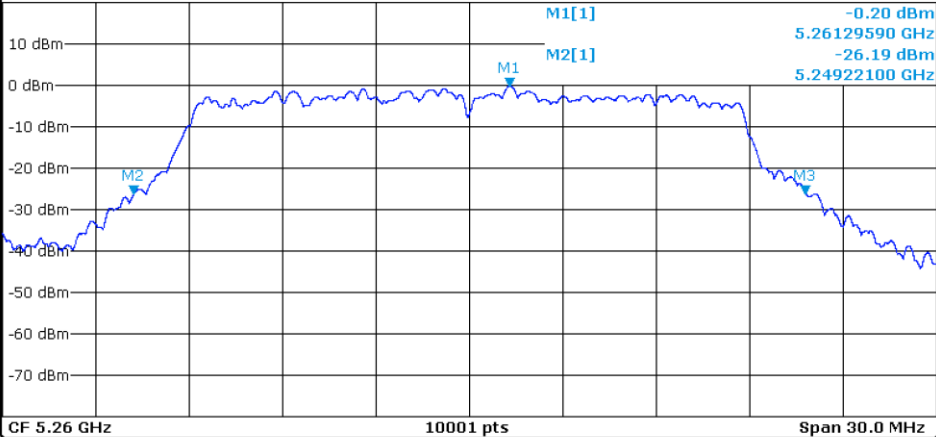


-26dB Bandwidth NVNT ac20 5260MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.09 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max

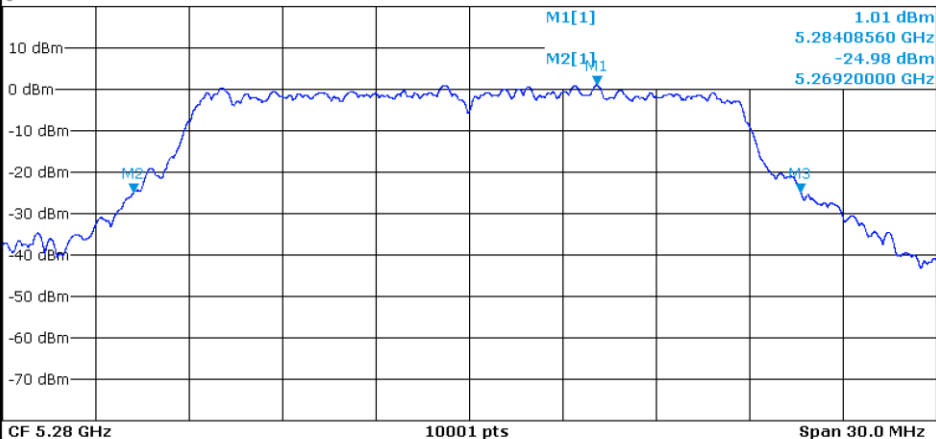


-26dB Bandwidth NVNT ac20 5280MHz Ant1

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

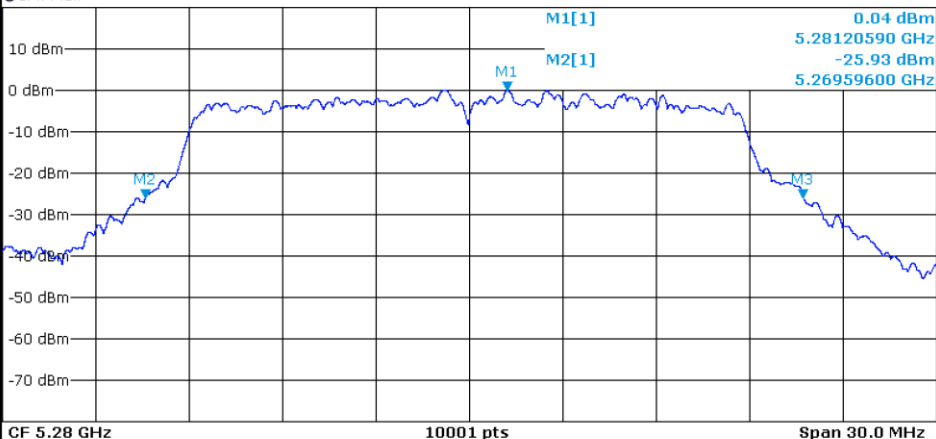
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2840856 GHz	1.01 dBm		
M2		1	5.2692 GHz	-24.98 dBm		
M3		1	5.290647 GHz	-24.96 dBm		

-26dB Bandwidth NVNT ac20 5280MHz Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.12 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	5.2812059 GHz	0.04 dBm		
M2		1	5.269596 GHz	-25.93 dBm		
M3		1	5.290719 GHz	-25.88 dBm		

