

5.8G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.63	0.1	0.72
NVNT	a	5785	Ant1	97.6	0.11	0.71
NVNT	a	5825	Ant1	97.59	0.11	0.72
NVNT	n20	5745	Ant1	97.44	0.11	0.77
NVNT	n20	5785	Ant1	97.43	0.11	0.77
NVNT	n20	5825	Ant1	97.45	0.11	0.77
NVNT	n40	5755	Ant1	95.07	0.22	1.54
NVNT	n40	5795	Ant1	95.06	0.22	1.54
NVNT	ac20	5745	Ant1	97.43	0.11	0.76
NVNT	ac20	5785	Ant1	97.44	0.11	0.76
NVNT	ac20	5825	Ant1	97.44	0.11	0.76
NVNT	ac40	5755	Ant1	95.13	0.22	1.52
NVNT	ac40	5795	Ant1	95.09	0.22	1.52
NVNT	ac80	5775	Ant1	90.57	0.43	3.03

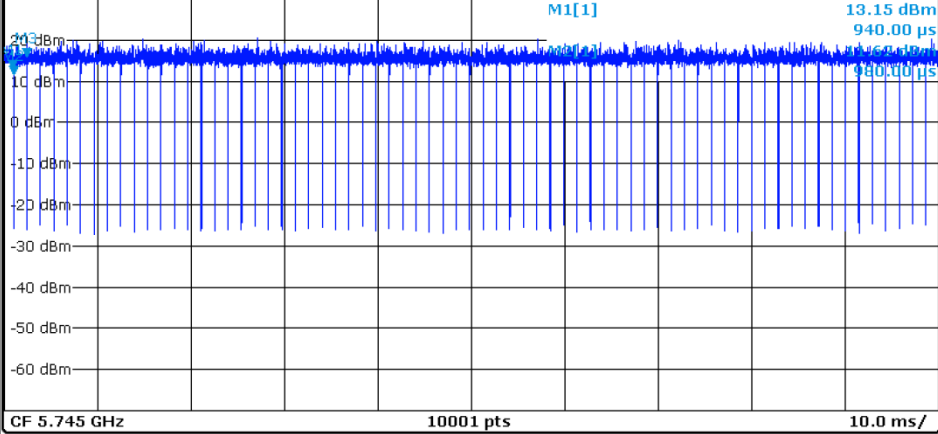
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.25 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw



Marker

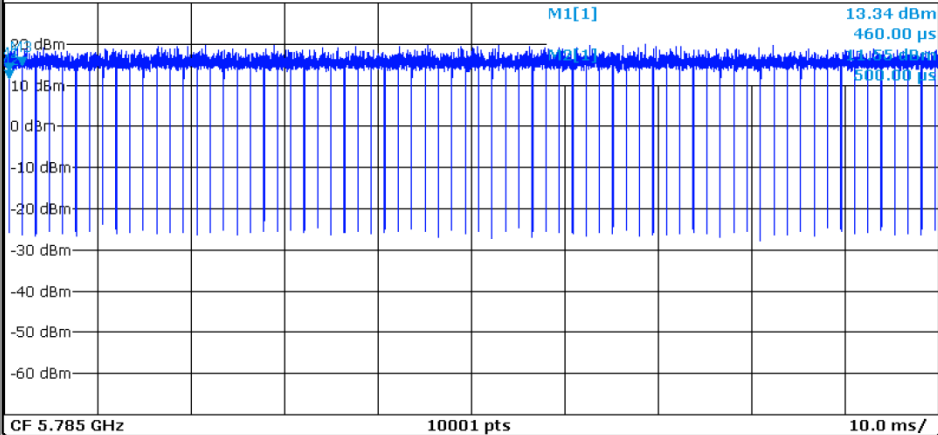
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		940.0 μs	13.15 dBm		
M2	1		980.0 μs	11.62 dBm		
M3	1		2.37 ms	15.87 dBm		

Duty Cycle NVNT a 5785MHz Ant1

Spectrum

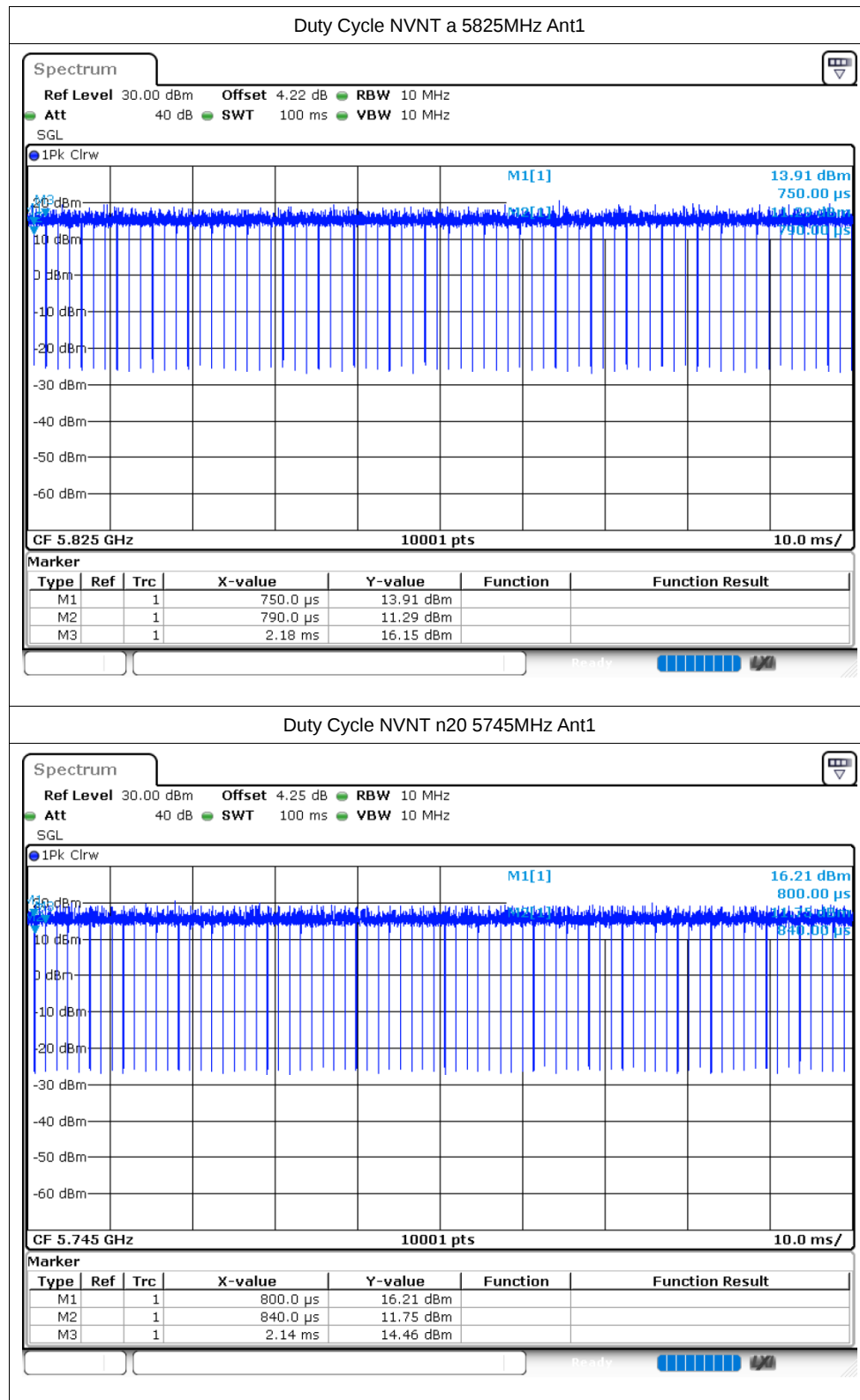
Ref Level 30.00 dBm Offset 4.24 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

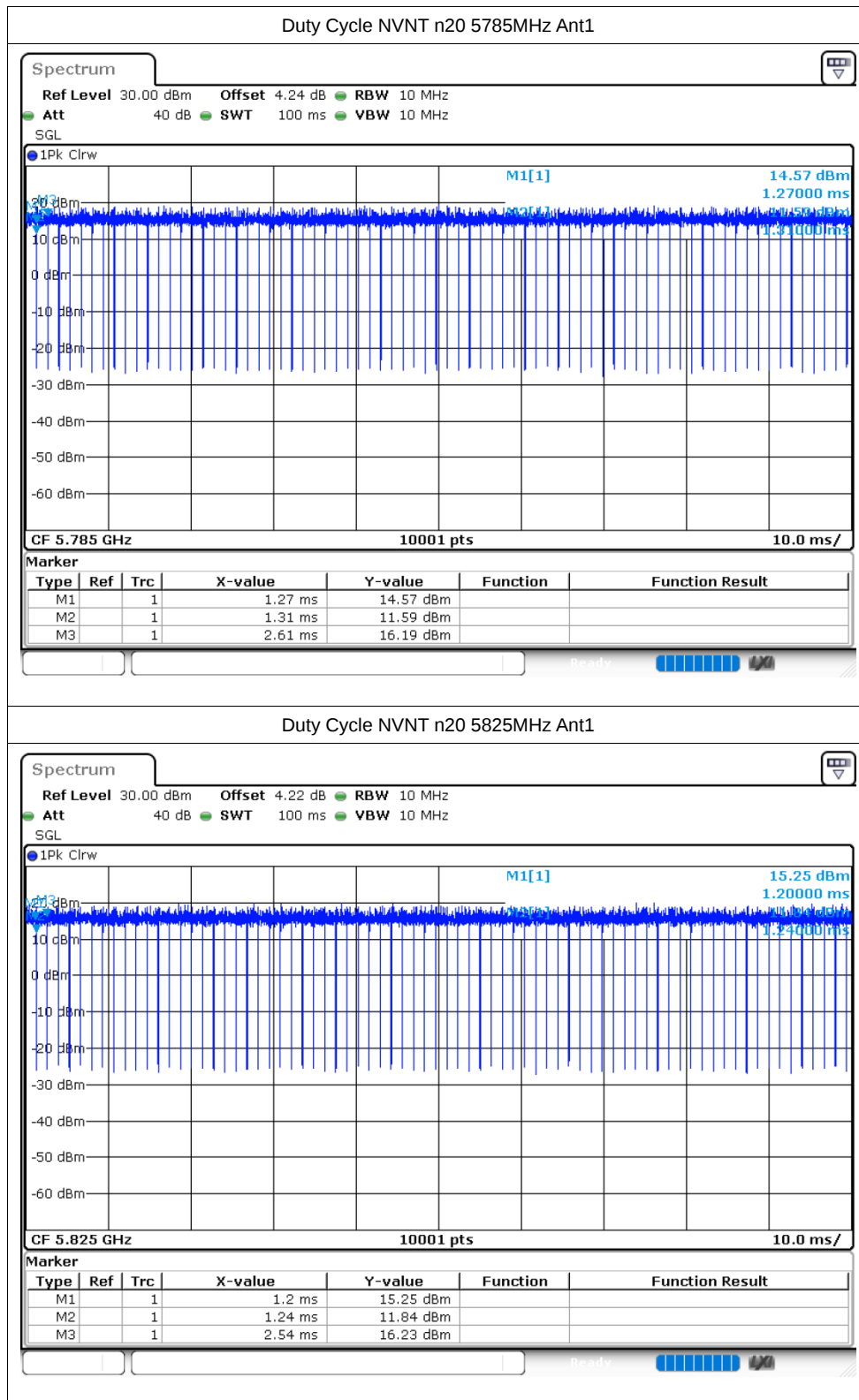
1Pk Clrw

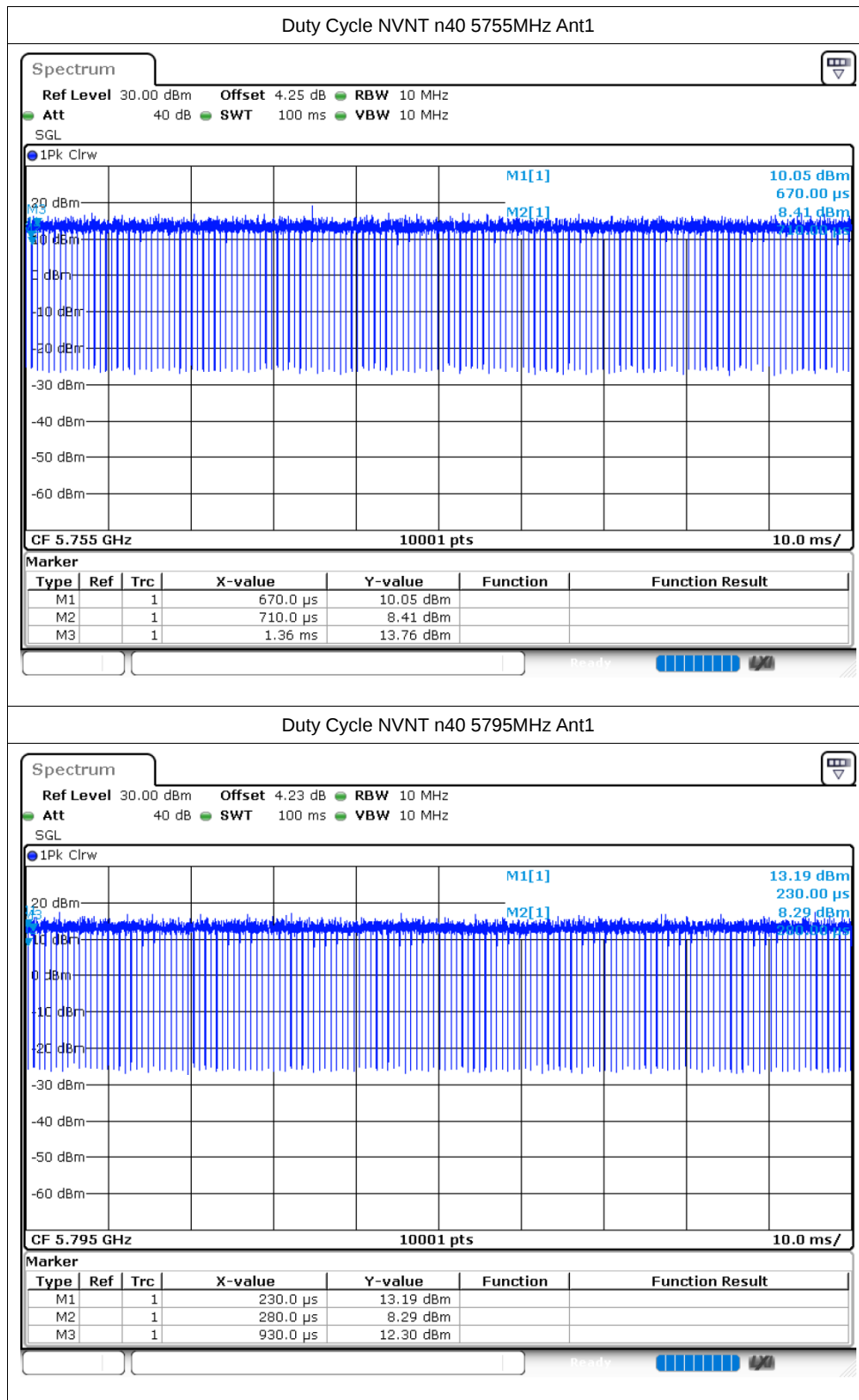


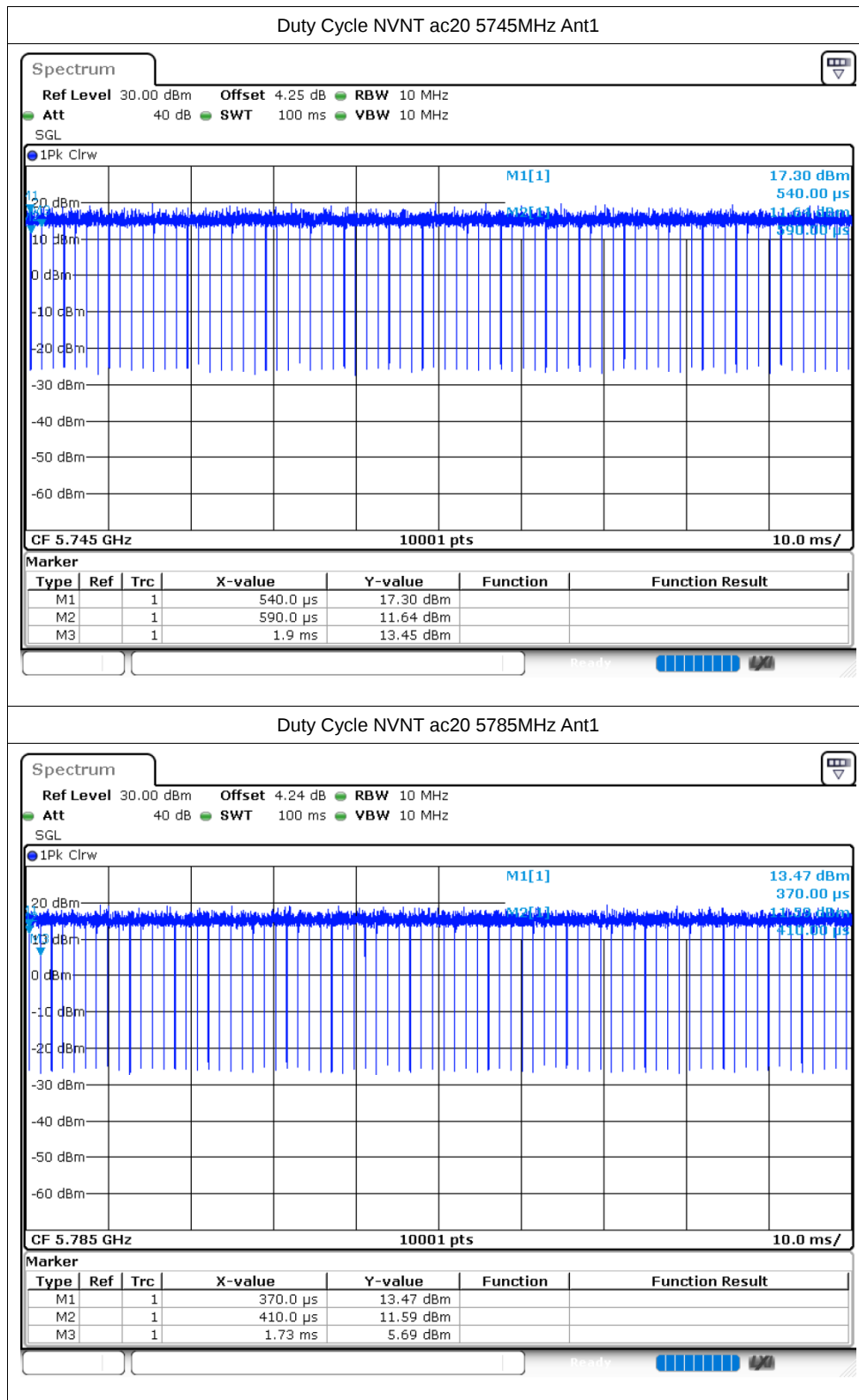
Marker

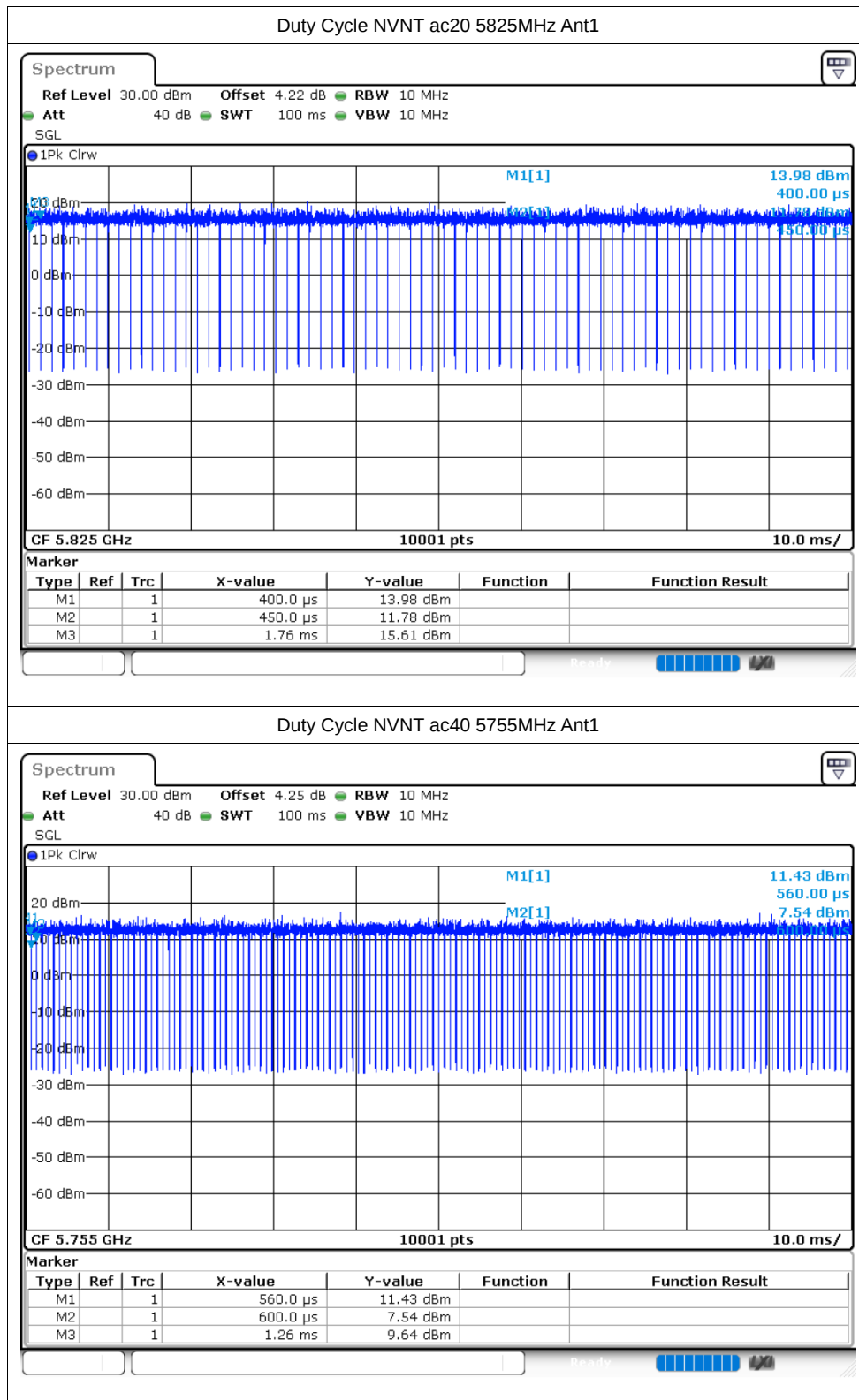
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		460.0 μs	13.34 dBm		
M2	1		500.0 μs	11.55 dBm		
M3	1		1.9 ms	14.74 dBm		

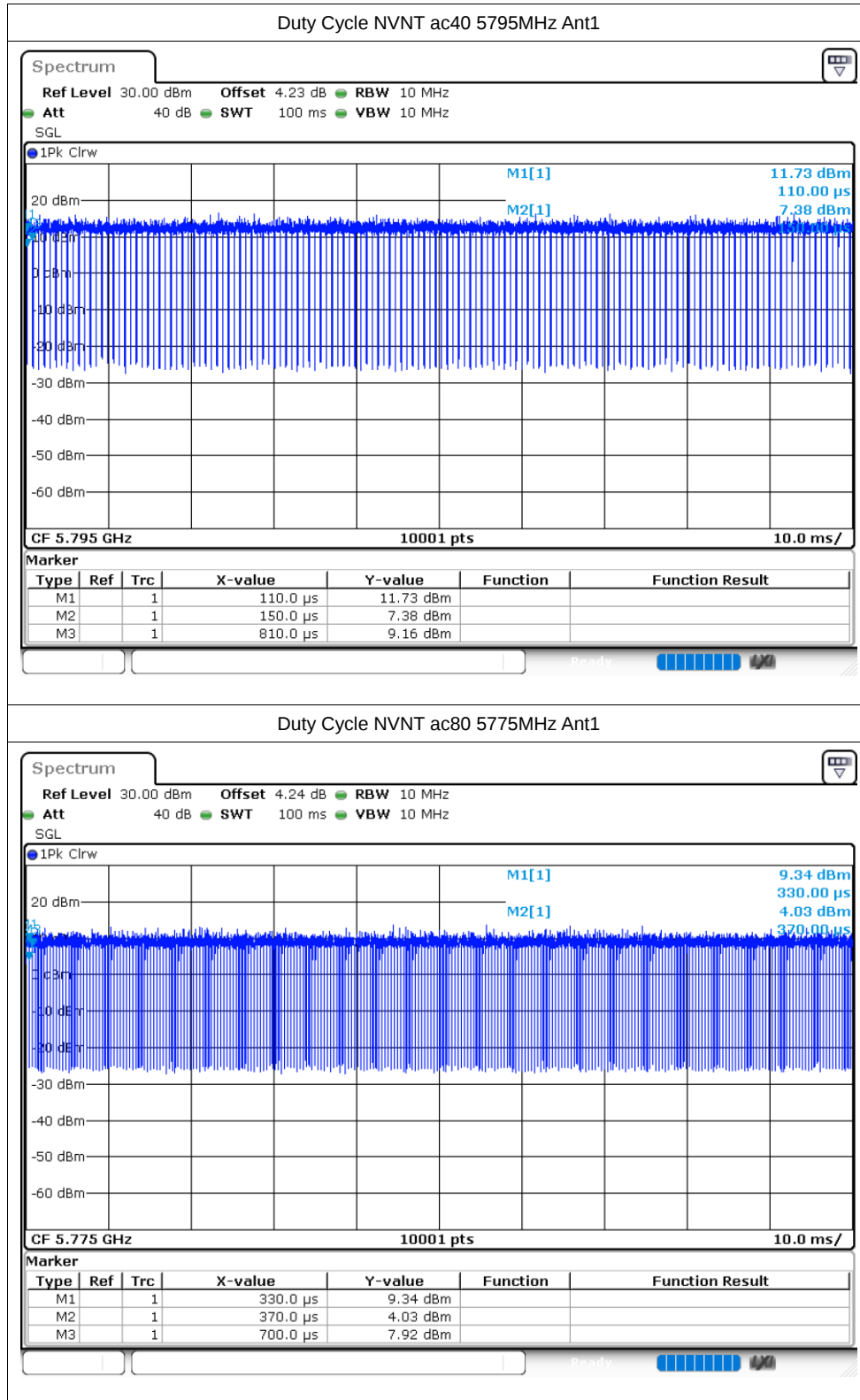












Maximum Conducted Output Power

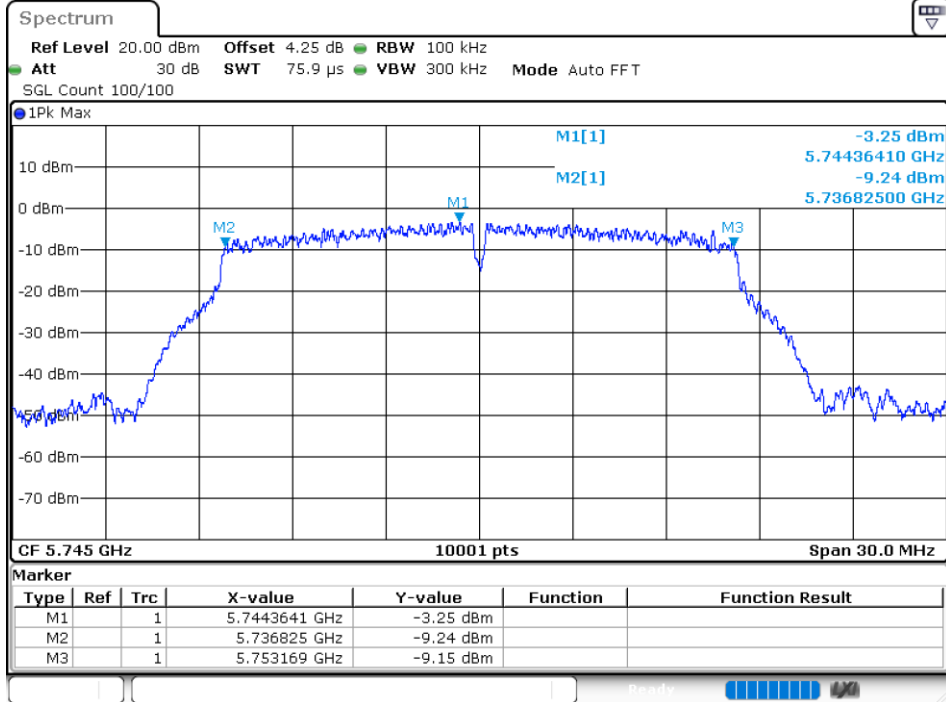
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.08	30	Pass
NVNT	a	5785	Ant1	11.39	30	Pass
NVNT	a	5825	Ant1	11.12	30	Pass
NVNT	n20	5745	Ant1	10.97	30	Pass
NVNT	n20	5785	Ant1	11.44	30	Pass
NVNT	n20	5825	Ant1	11.46	30	Pass
NVNT	n40	5755	Ant1	11.22	30	Pass
NVNT	n40	5795	Ant1	11.41	30	Pass
NVNT	ac20	5745	Ant1	10.88	30	Pass
NVNT	ac20	5785	Ant1	11.35	30	Pass
NVNT	ac20	5825	Ant1	11.53	30	Pass
NVNT	ac40	5755	Ant1	10.49	30	Pass
NVNT	ac40	5795	Ant1	10.96	30	Pass
NVNT	ac80	5775	Ant1	10.84	30	Pass

-6dB Bandwidth

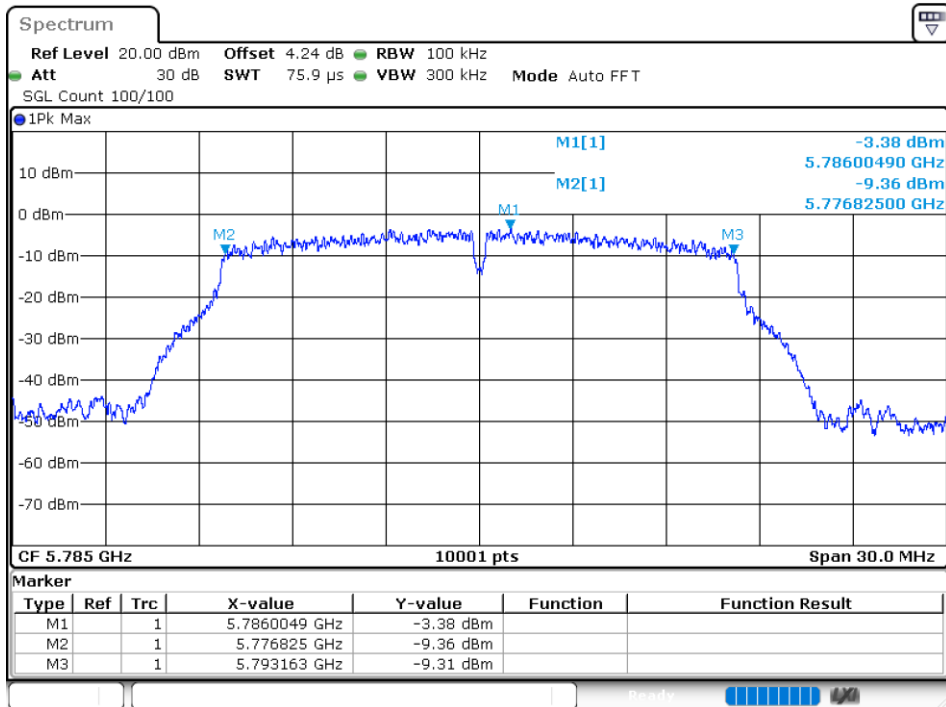
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.344	0.5	Pass
NVNT	a	5785	Ant1	16.338	0.5	Pass
NVNT	a	5825	Ant1	16.302	0.5	Pass
NVNT	n20	5745	Ant1	12.171	0.5	Pass
NVNT	n20	5785	Ant1	12.636	0.5	Pass
NVNT	n20	5825	Ant1	16.626	0.5	Pass
NVNT	n40	5755	Ant1	35.106	0.5	Pass
NVNT	n40	5795	Ant1	32.574	0.5	Pass
NVNT	ac20	5745	Ant1	15.024	0.5	Pass
NVNT	ac20	5785	Ant1	17.568	0.5	Pass
NVNT	ac20	5825	Ant1	12.537	0.5	Pass
NVNT	ac40	5755	Ant1	32.322	0.5	Pass
NVNT	ac40	5795	Ant1	30.096	0.5	Pass
NVNT	ac80	5775	Ant1	75.036	0.5	Pass

Test Graphs

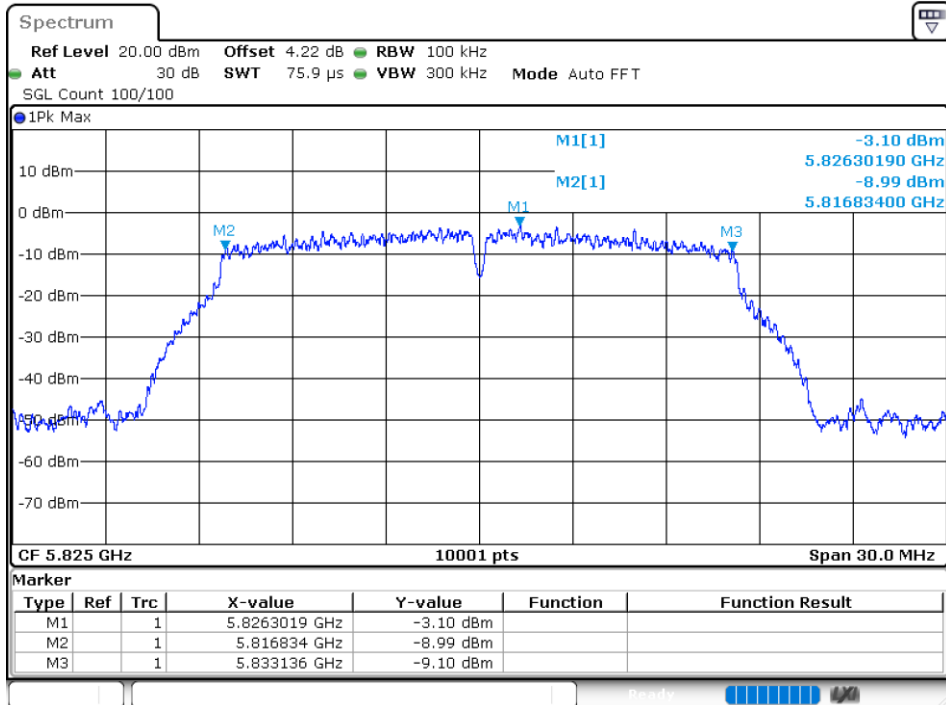
-6dB Bandwidth NVNT a 5745MHz Ant1



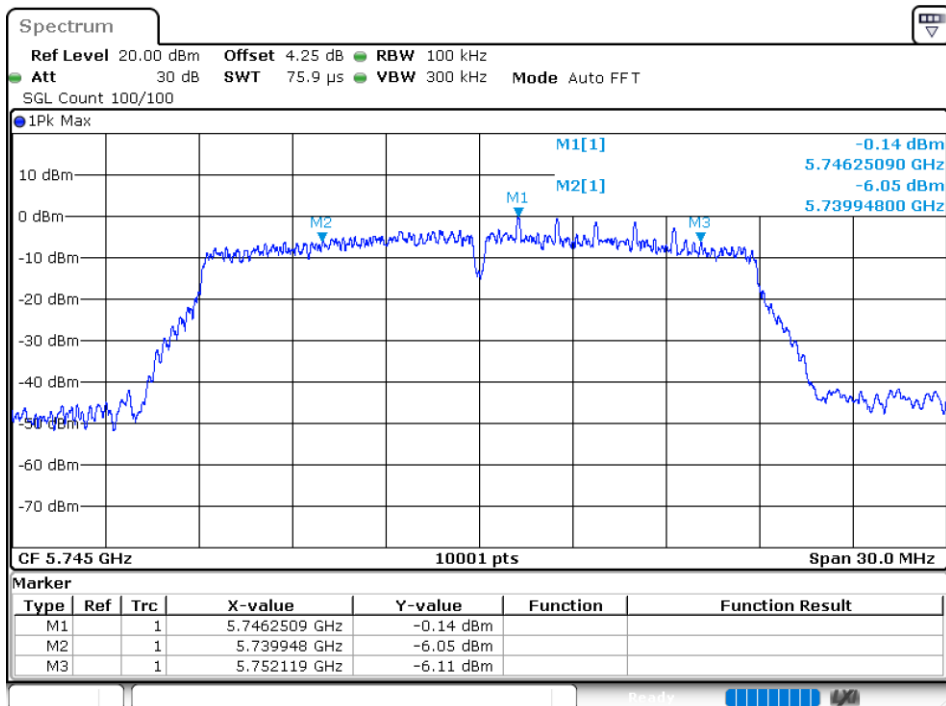
-6dB Bandwidth NVNT a 5785MHz Ant1

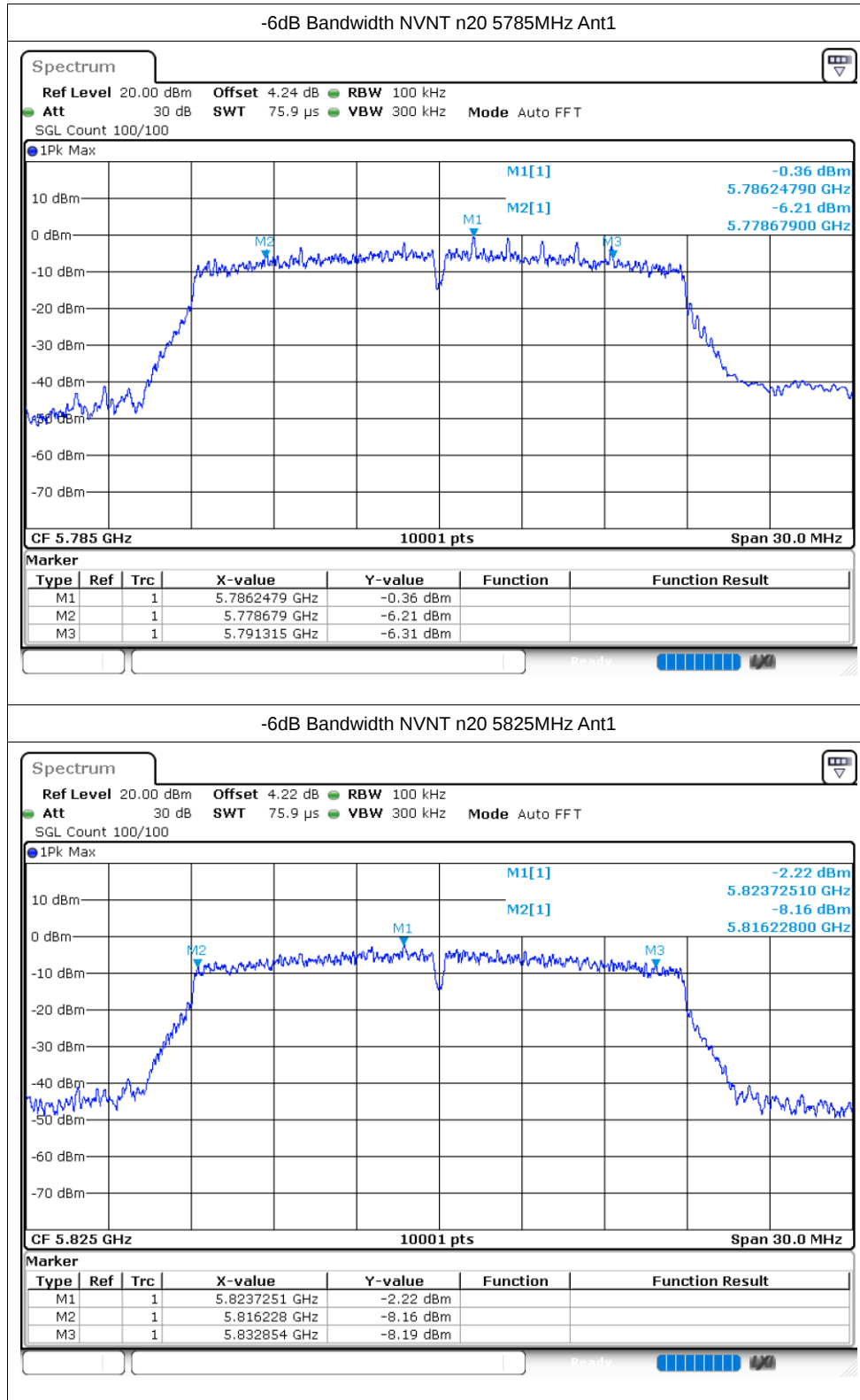


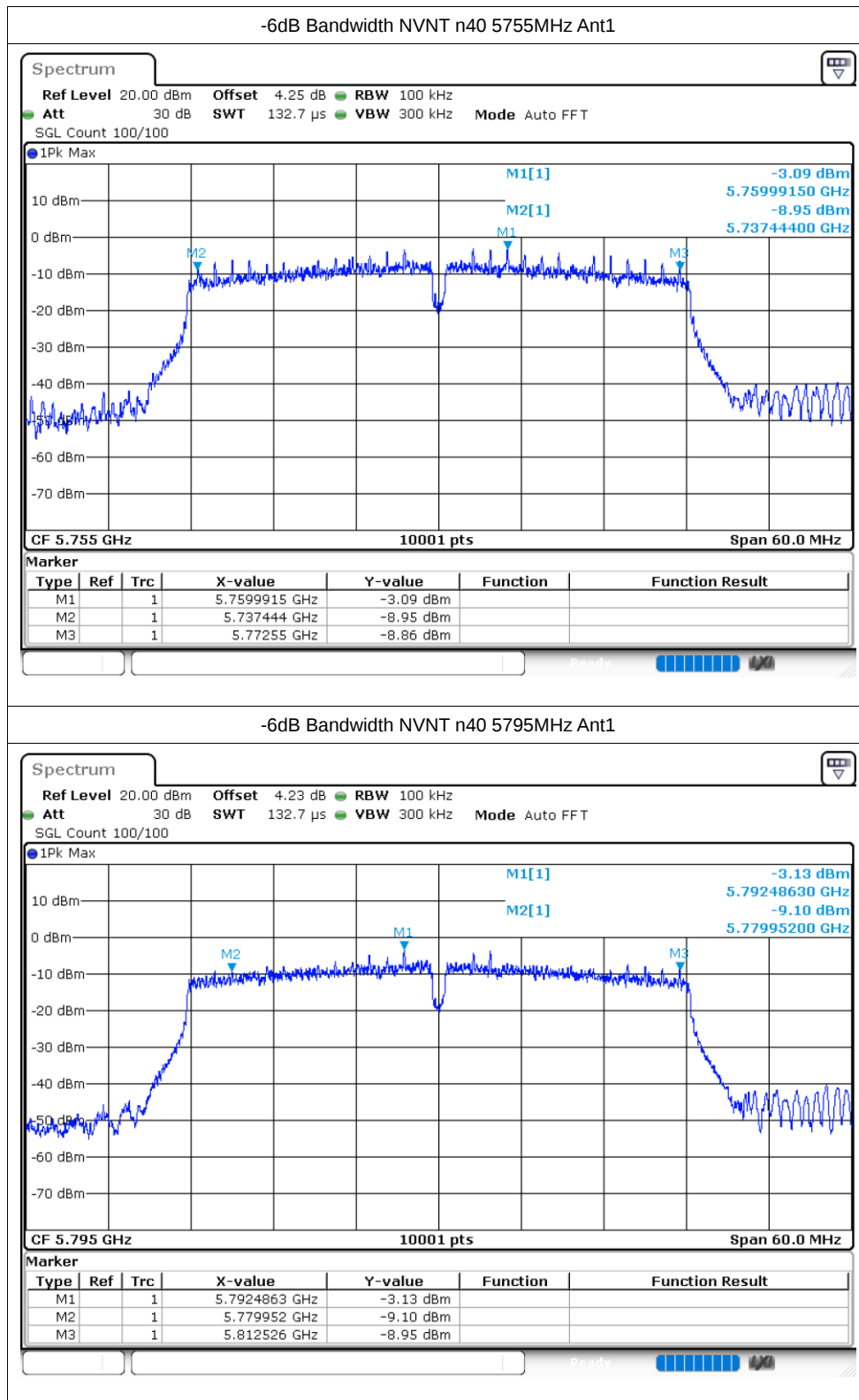
-6dB Bandwidth NVNT a 5825MHz Ant1

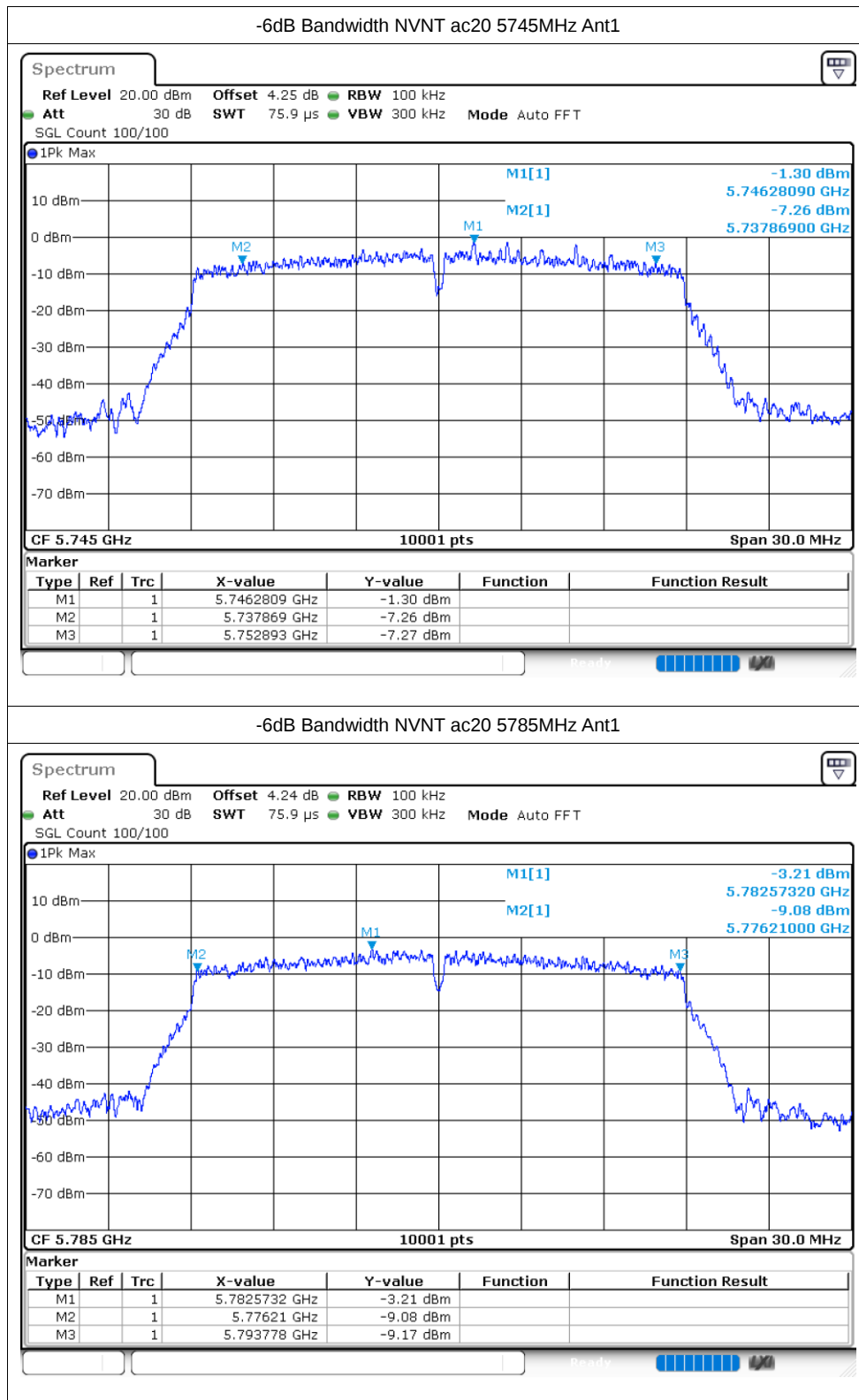


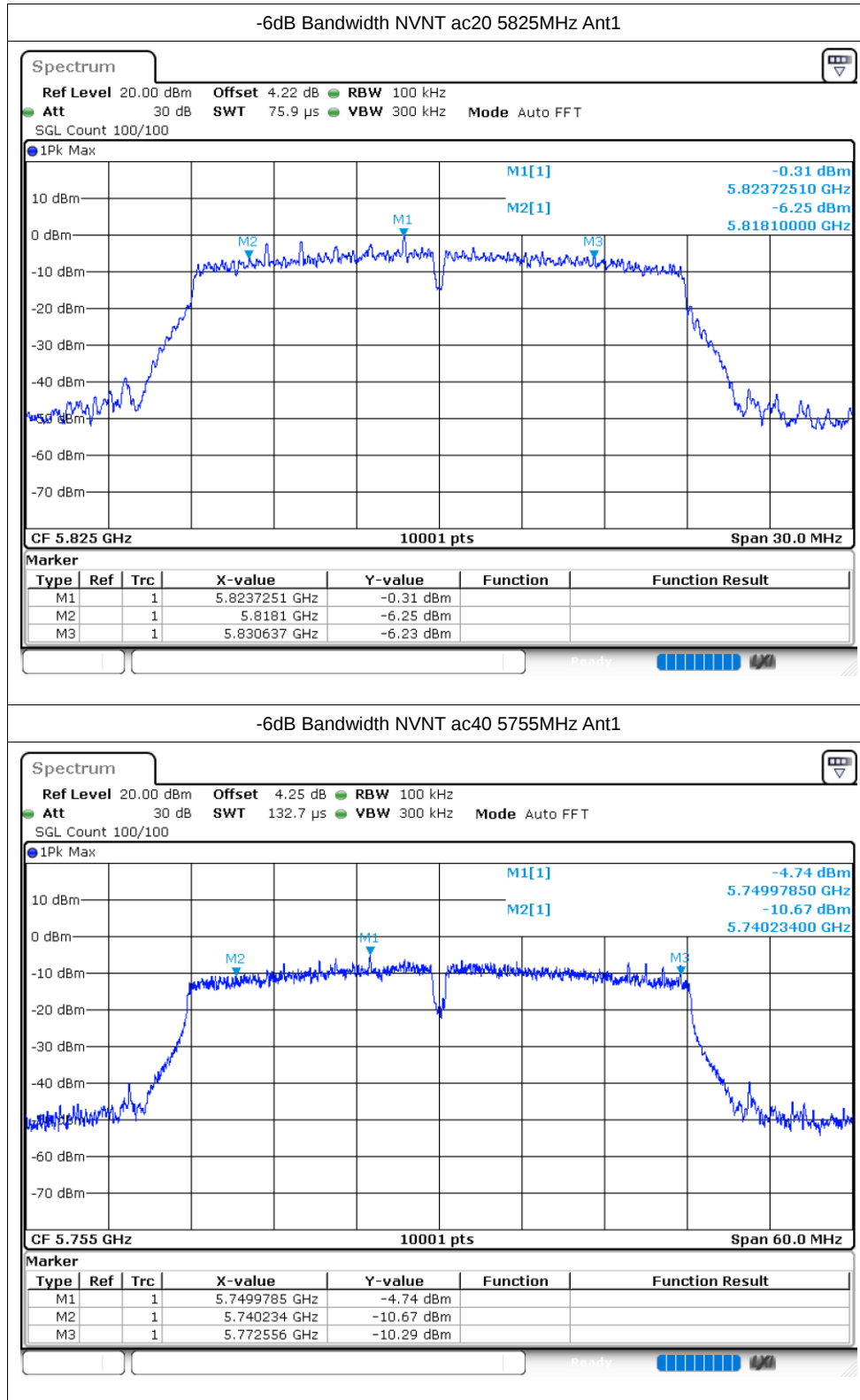
-6dB Bandwidth NVNT n20 5745MHz Ant1

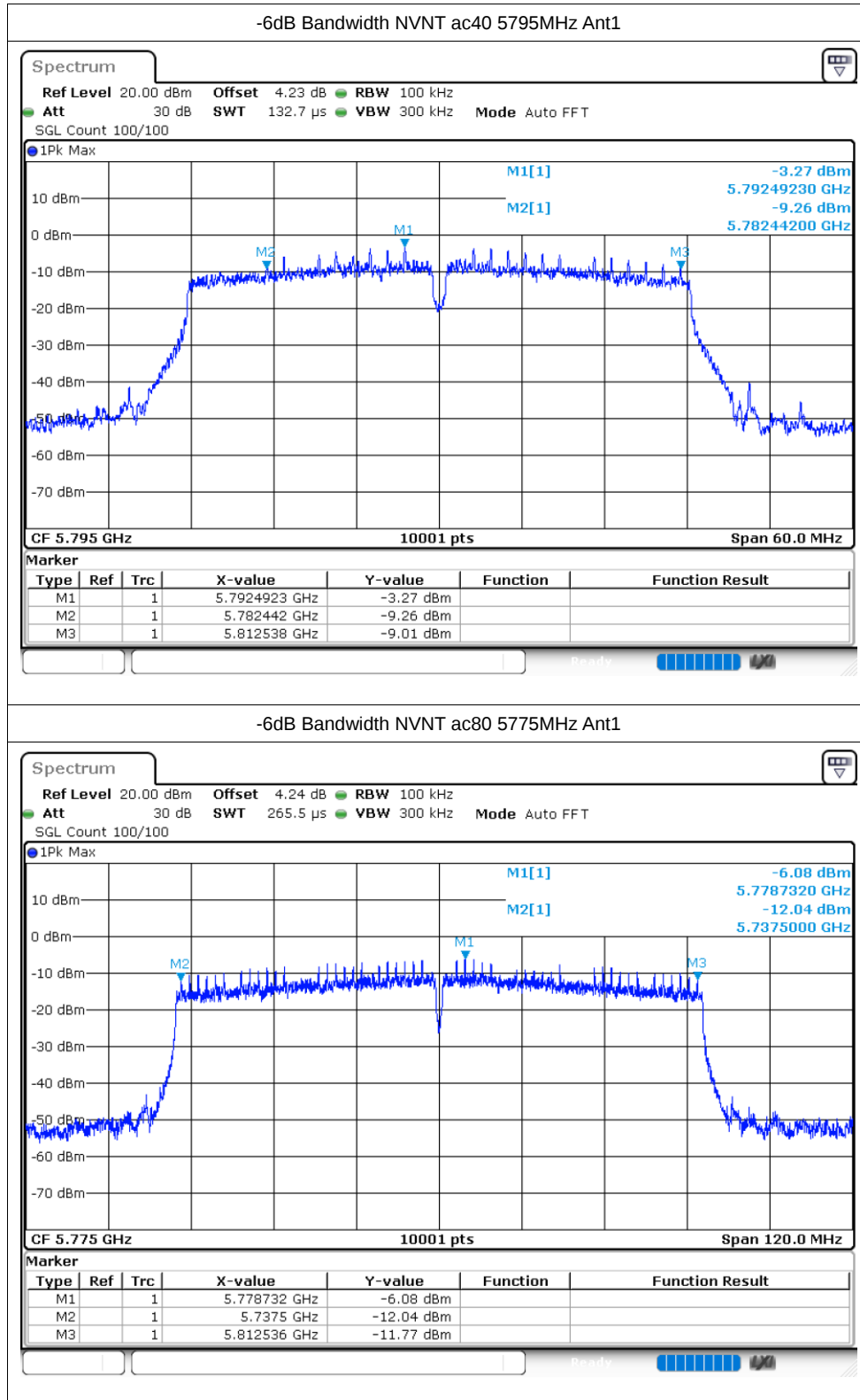










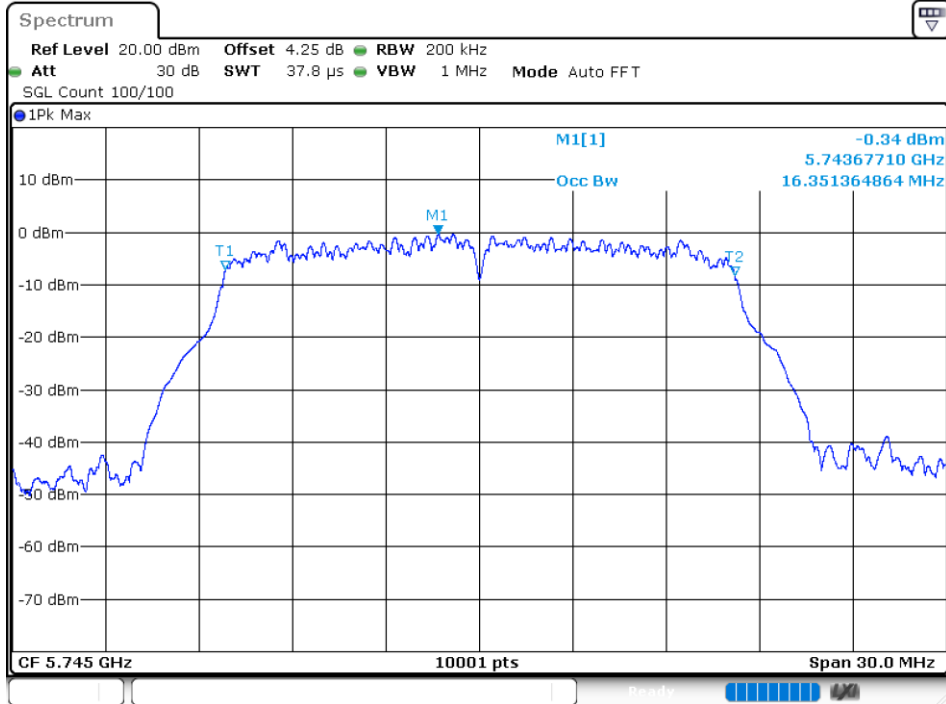


Occupied Channel Bandwidth

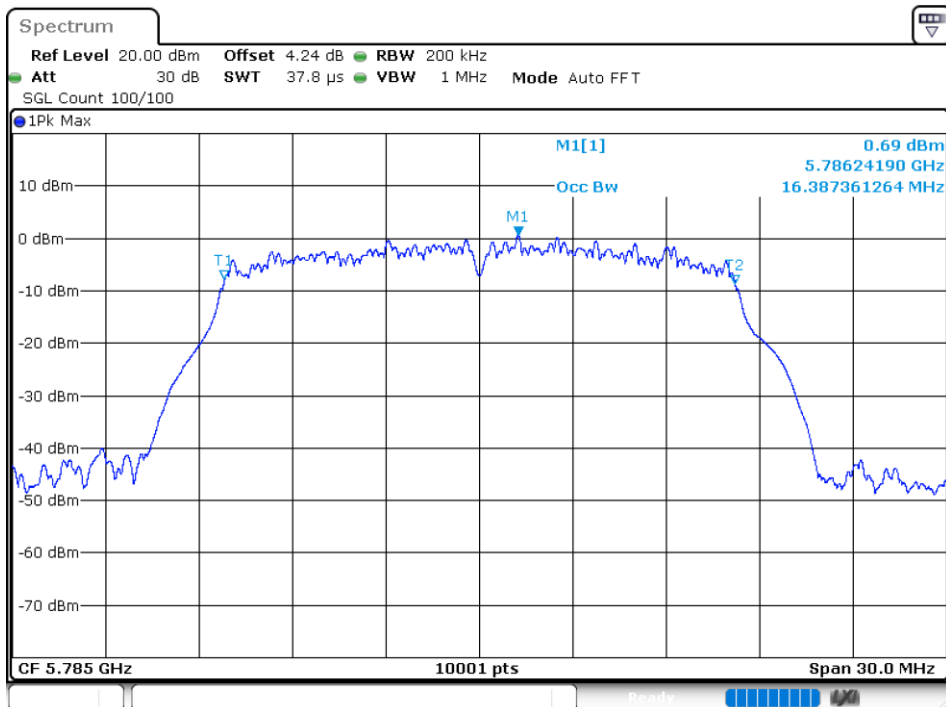
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.351
NVNT	a	5785	Ant1	16.387
NVNT	a	5825	Ant1	16.393
NVNT	n20	5745	Ant1	17.713
NVNT	n20	5785	Ant1	17.488
NVNT	n20	5825	Ant1	17.548
NVNT	n40	5755	Ant1	36.032
NVNT	n40	5795	Ant1	36.032
NVNT	ac20	5745	Ant1	17.587
NVNT	ac20	5785	Ant1	17.554
NVNT	ac20	5825	Ant1	17.545
NVNT	ac40	5755	Ant1	36.026
NVNT	ac40	5795	Ant1	36.008
NVNT	ac80	5775	Ant1	75.124

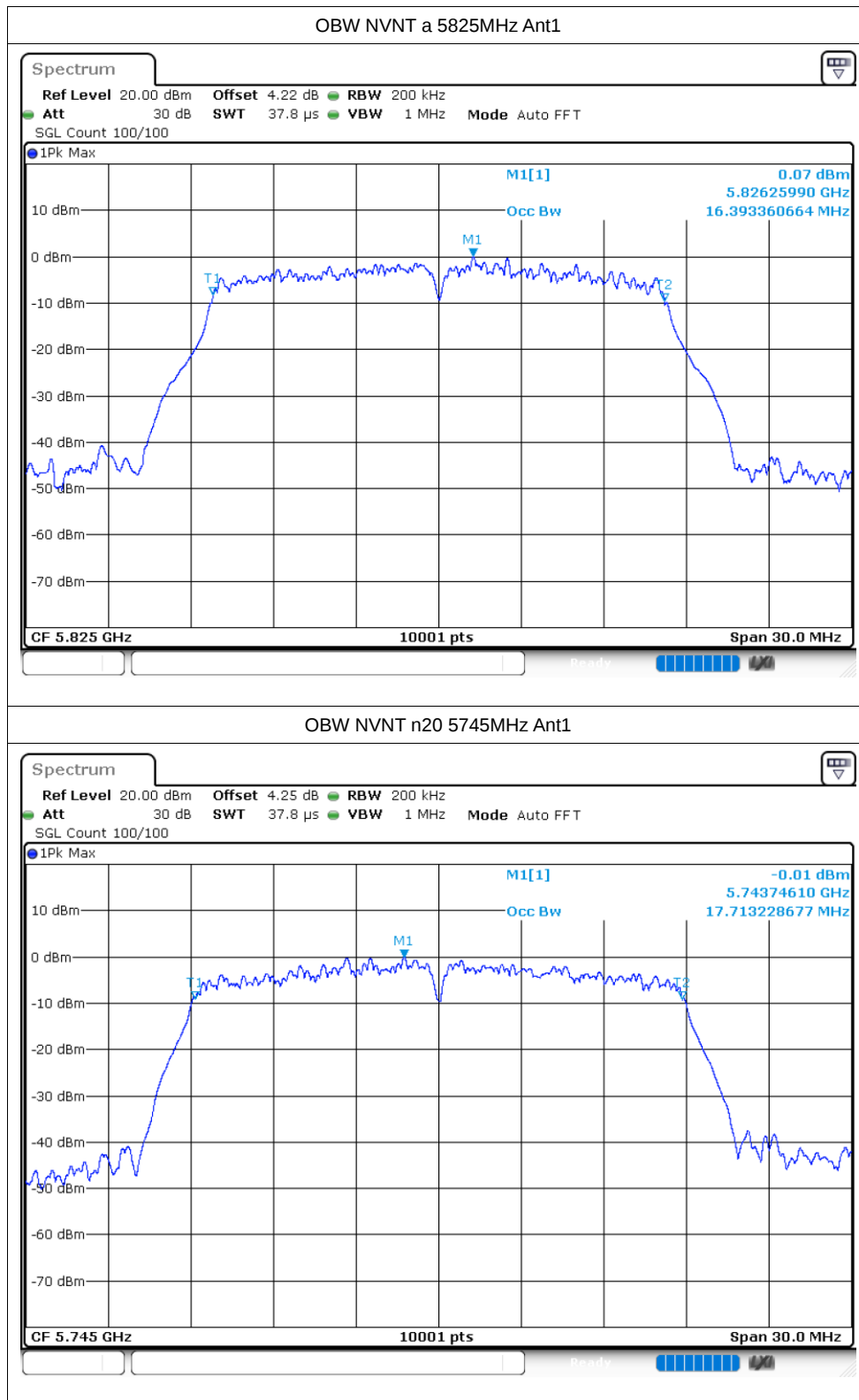
Test Graphs

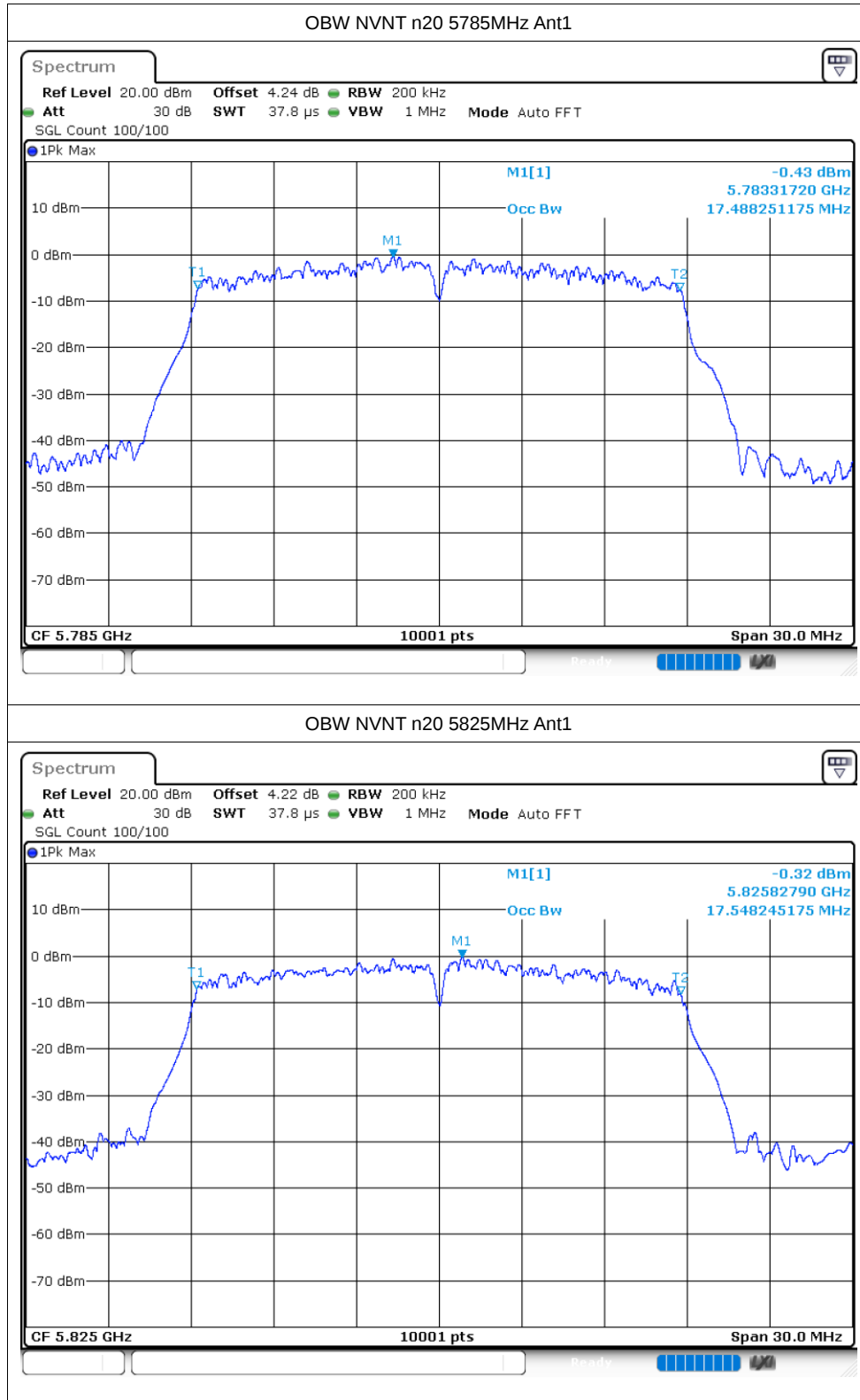
OBW NVNT a 5745MHz Ant1

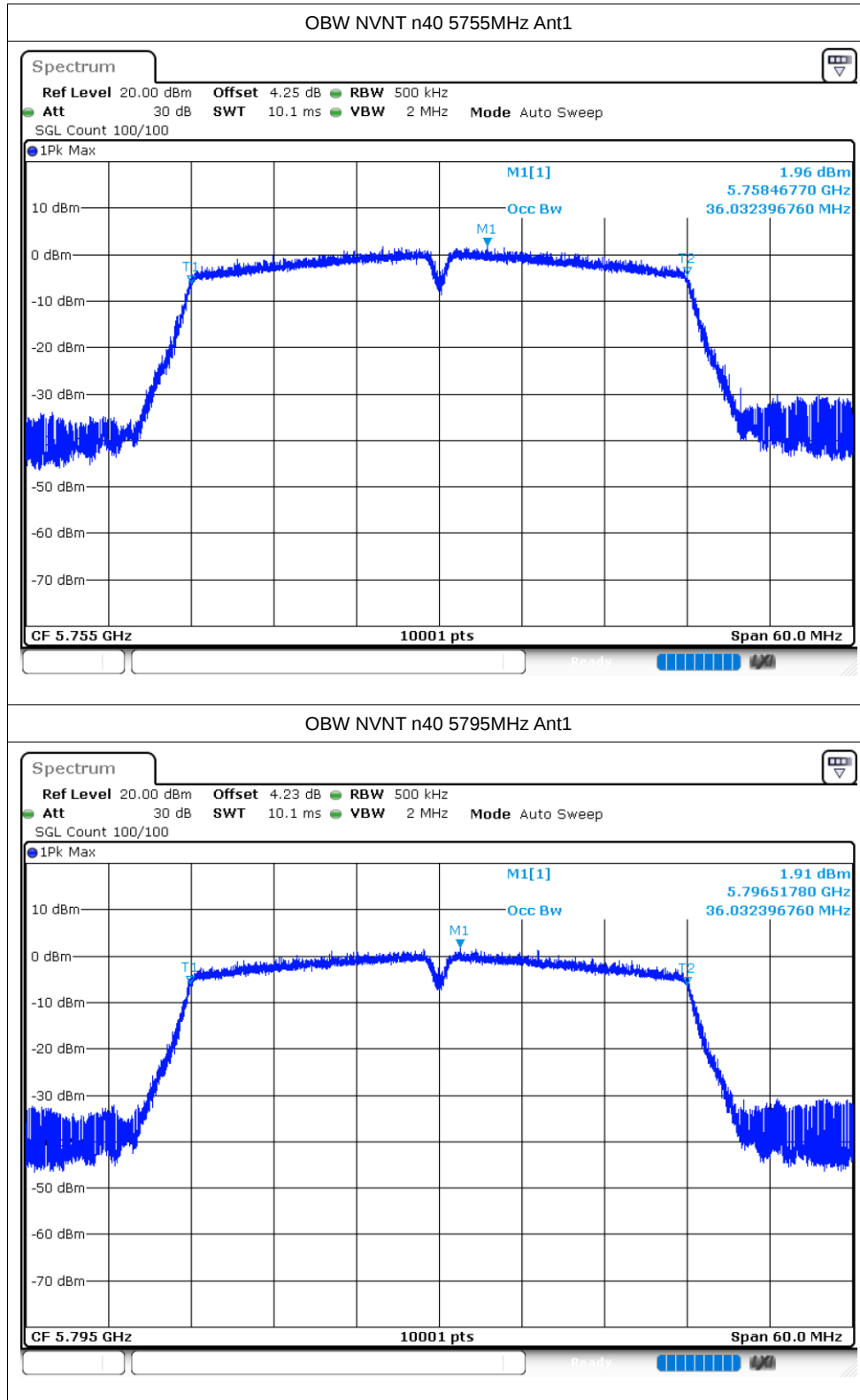


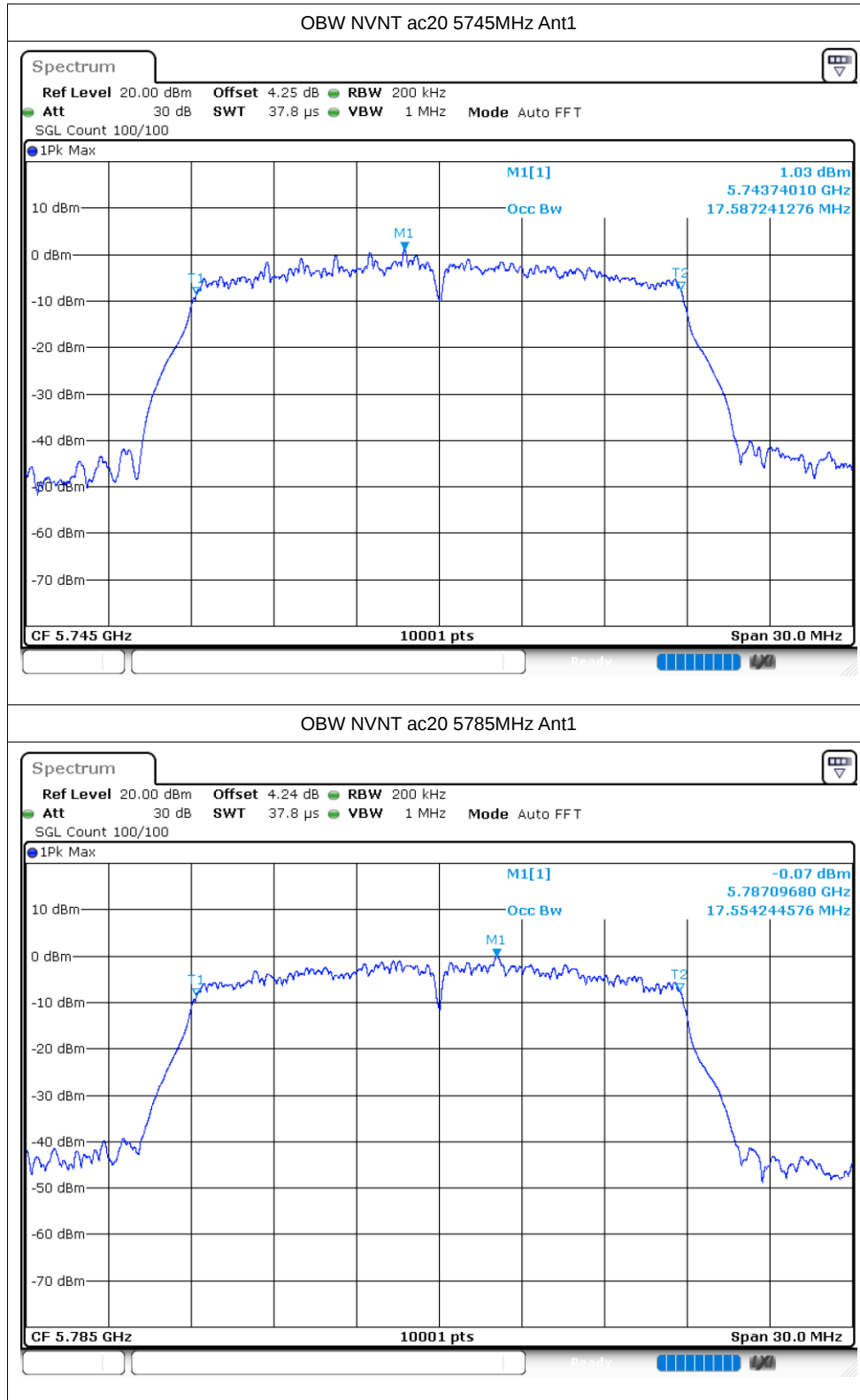
OBW NVNT a 5785MHz Ant1

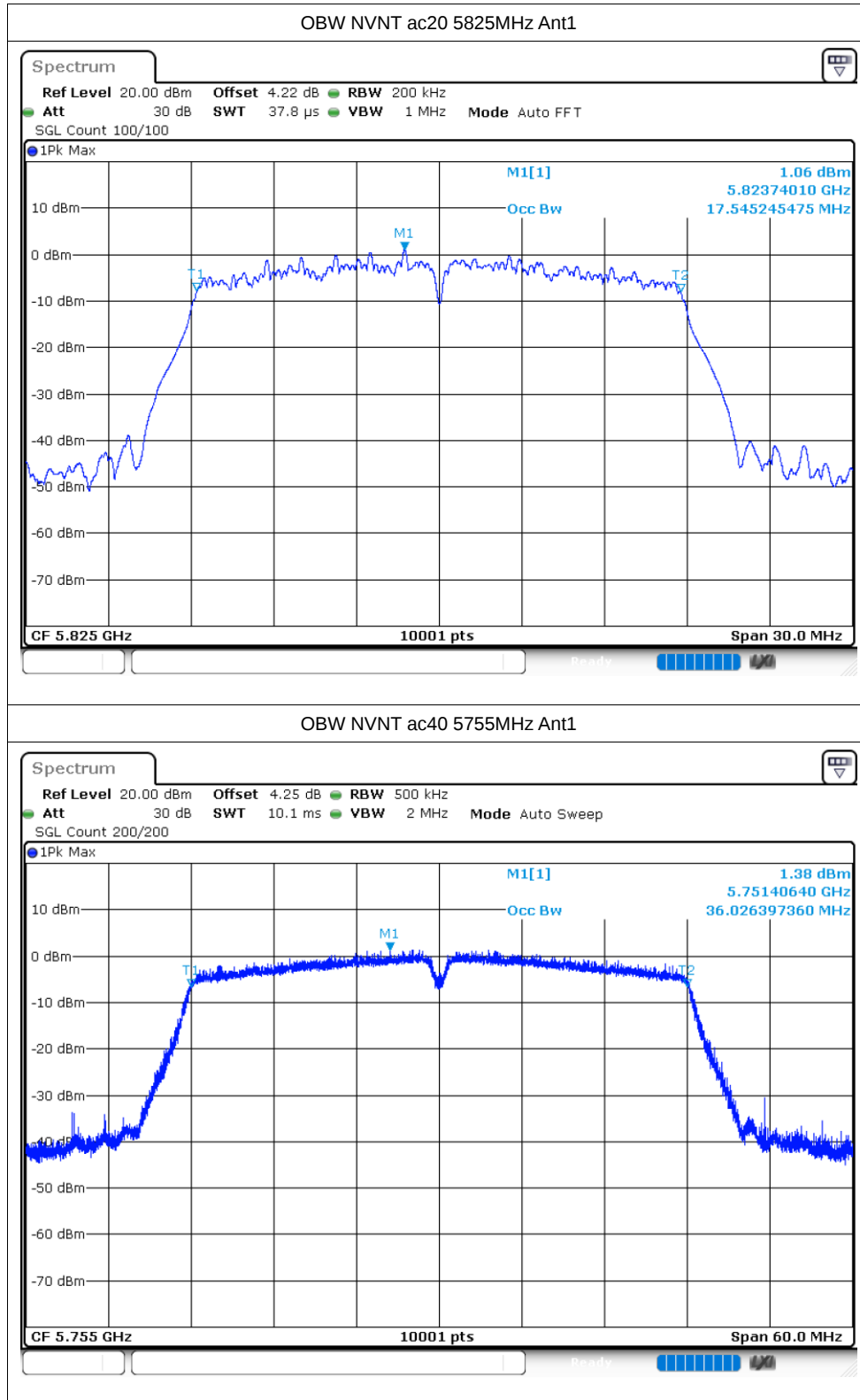


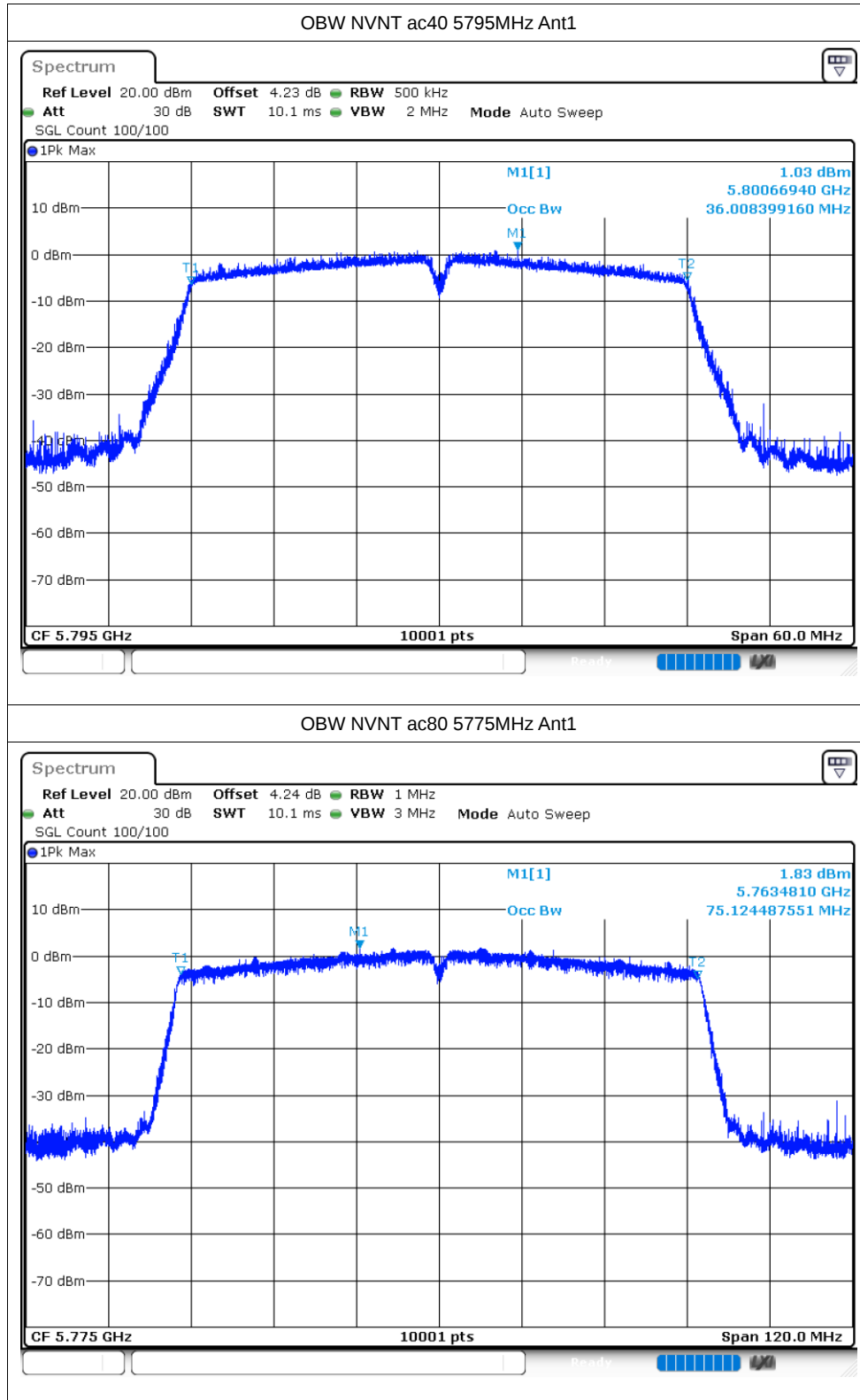










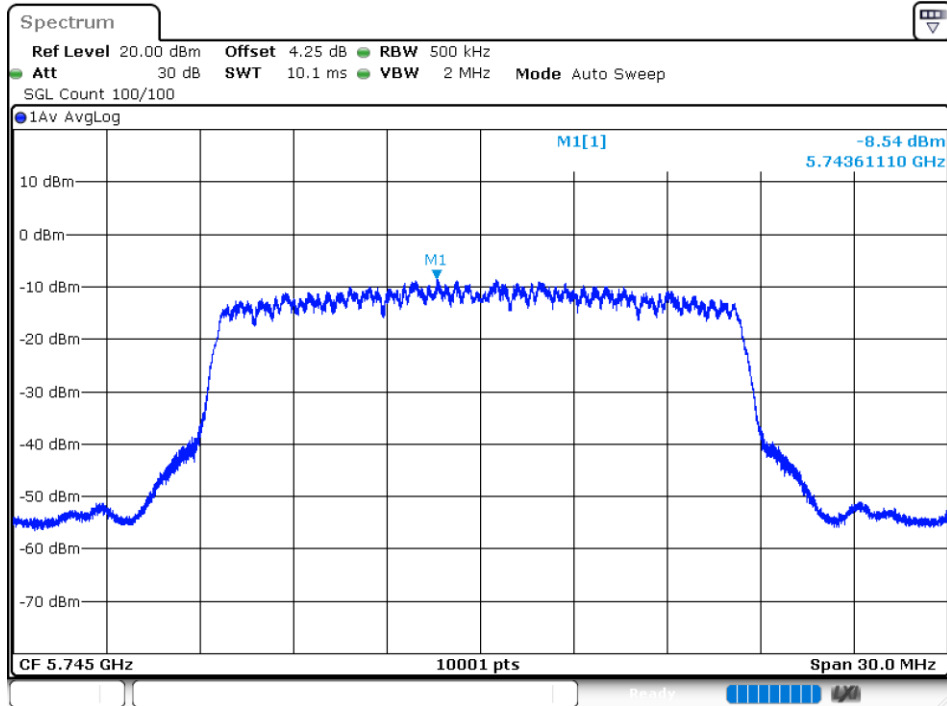


Maximum Power Spectral Density Level

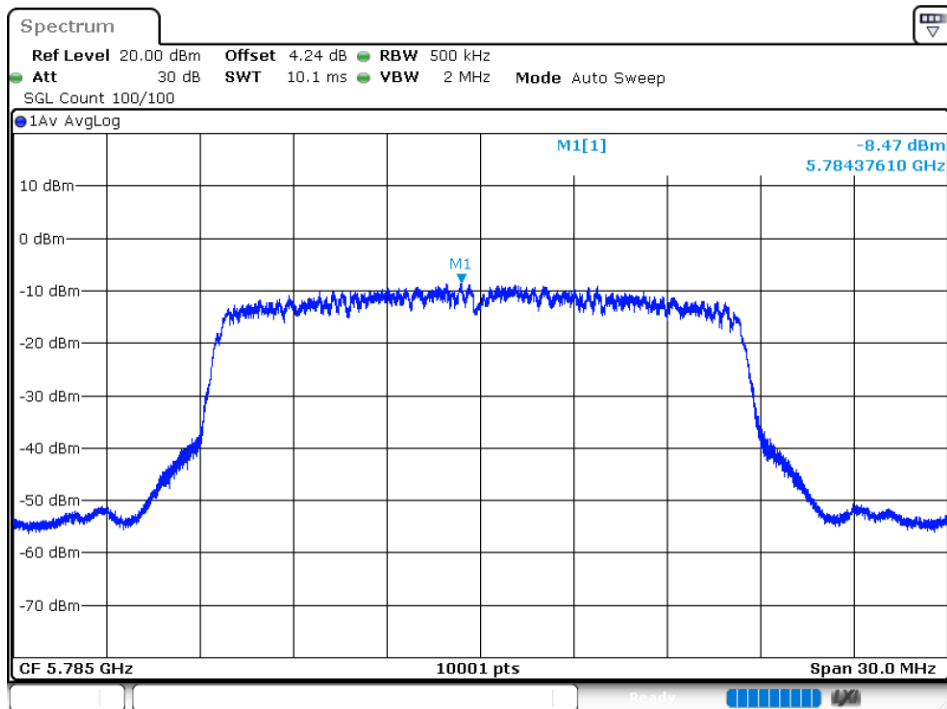
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-8.54	30	Pass
NVNT	a	5785	Ant1	-8.47	30	Pass
NVNT	a	5825	Ant1	-8.38	30	Pass
NVNT	n20	5745	Ant1	-5.25	30	Pass
NVNT	n20	5785	Ant1	-6.05	30	Pass
NVNT	n20	5825	Ant1	-5.25	30	Pass
NVNT	n40	5755	Ant1	-9.64	30	Pass
NVNT	n40	5795	Ant1	-9.29	30	Pass
NVNT	ac20	5745	Ant1	-5.77	30	Pass
NVNT	ac20	5785	Ant1	-5.81	30	Pass
NVNT	ac20	5825	Ant1	-5.94	30	Pass
NVNT	ac40	5755	Ant1	-10.4	30	Pass
NVNT	ac40	5795	Ant1	-10.48	30	Pass
NVNT	ac80	5775	Ant1	-14.56	30	Pass

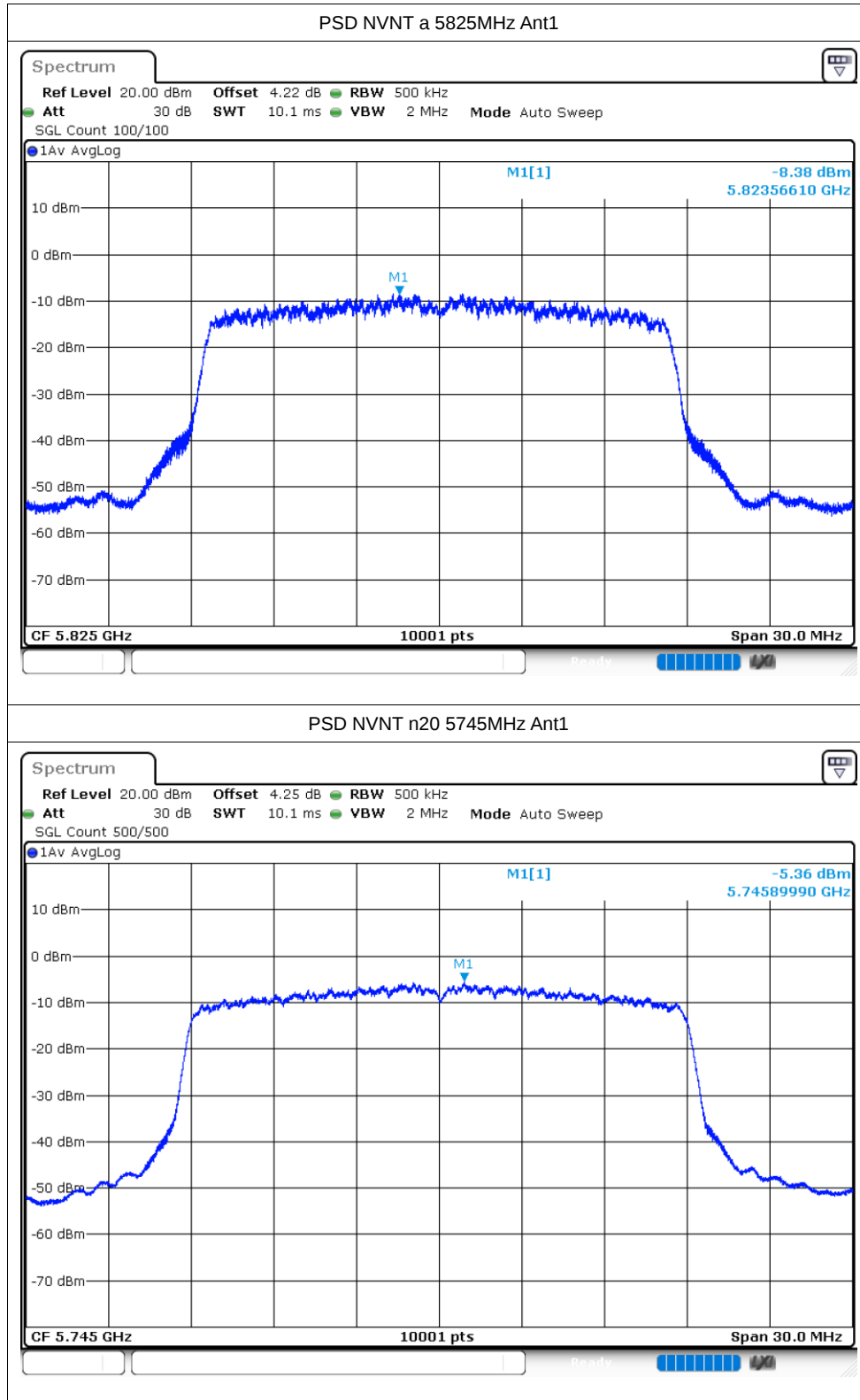
Test Graphs

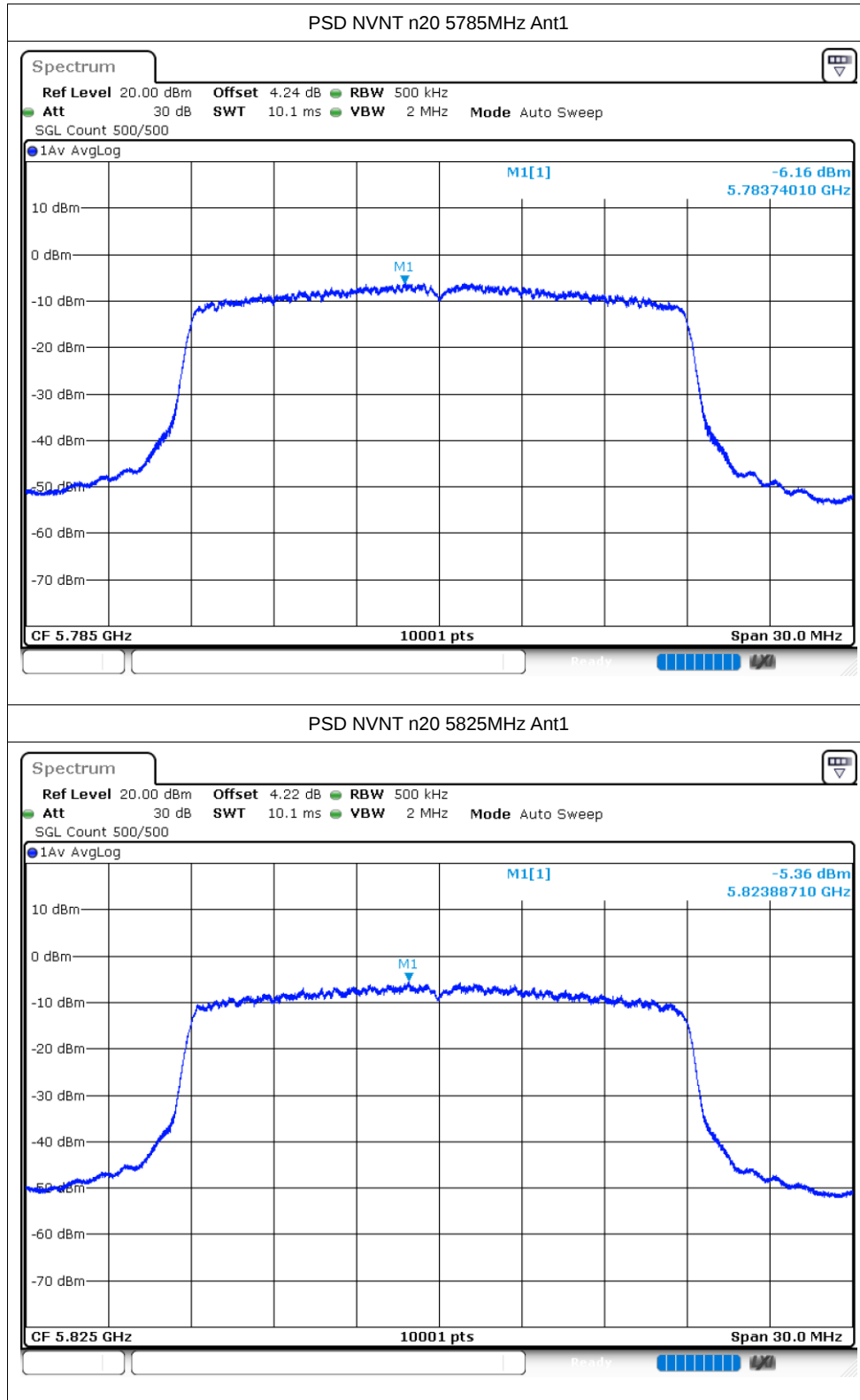
PSD NVNT a 5745MHz Ant1

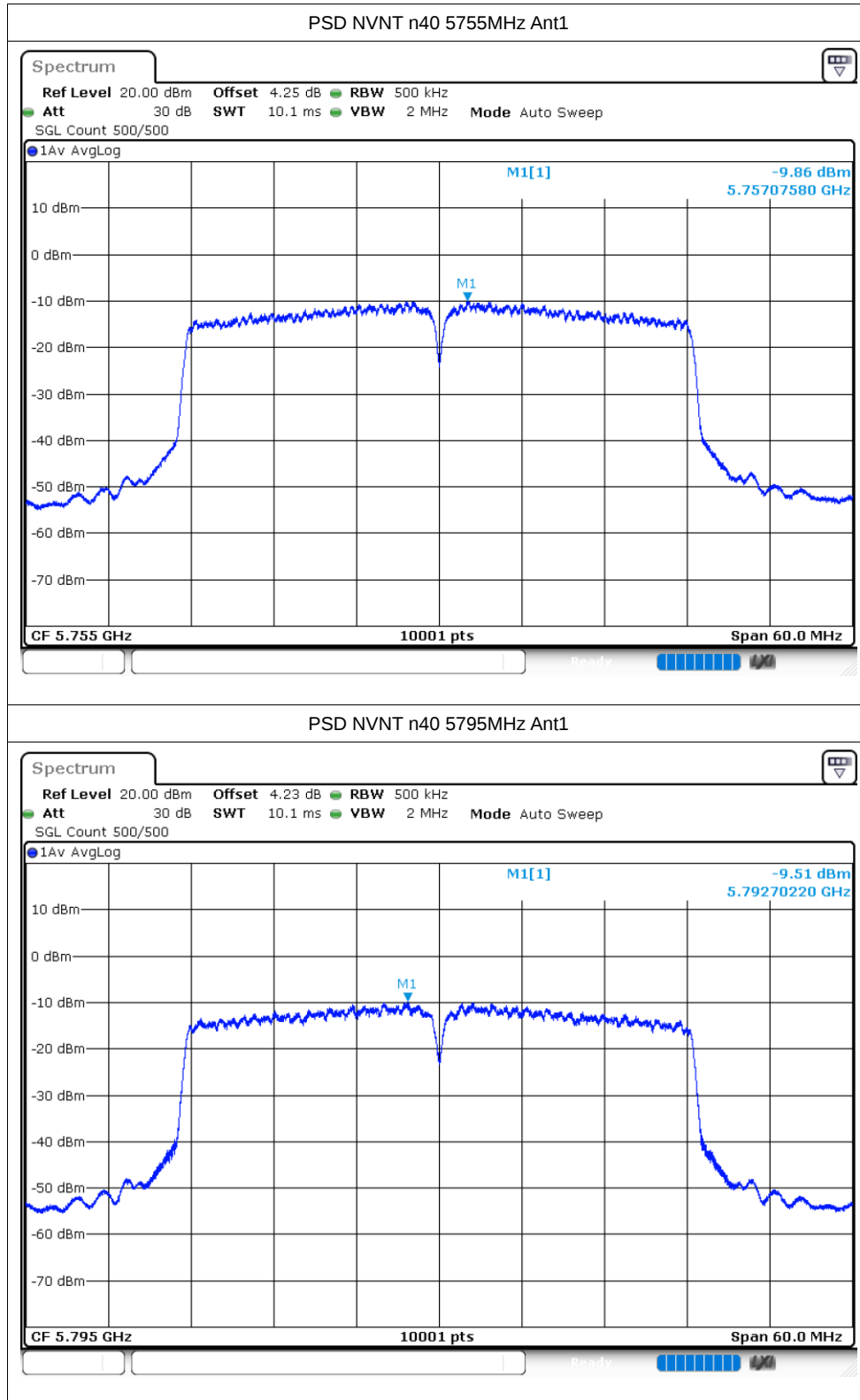


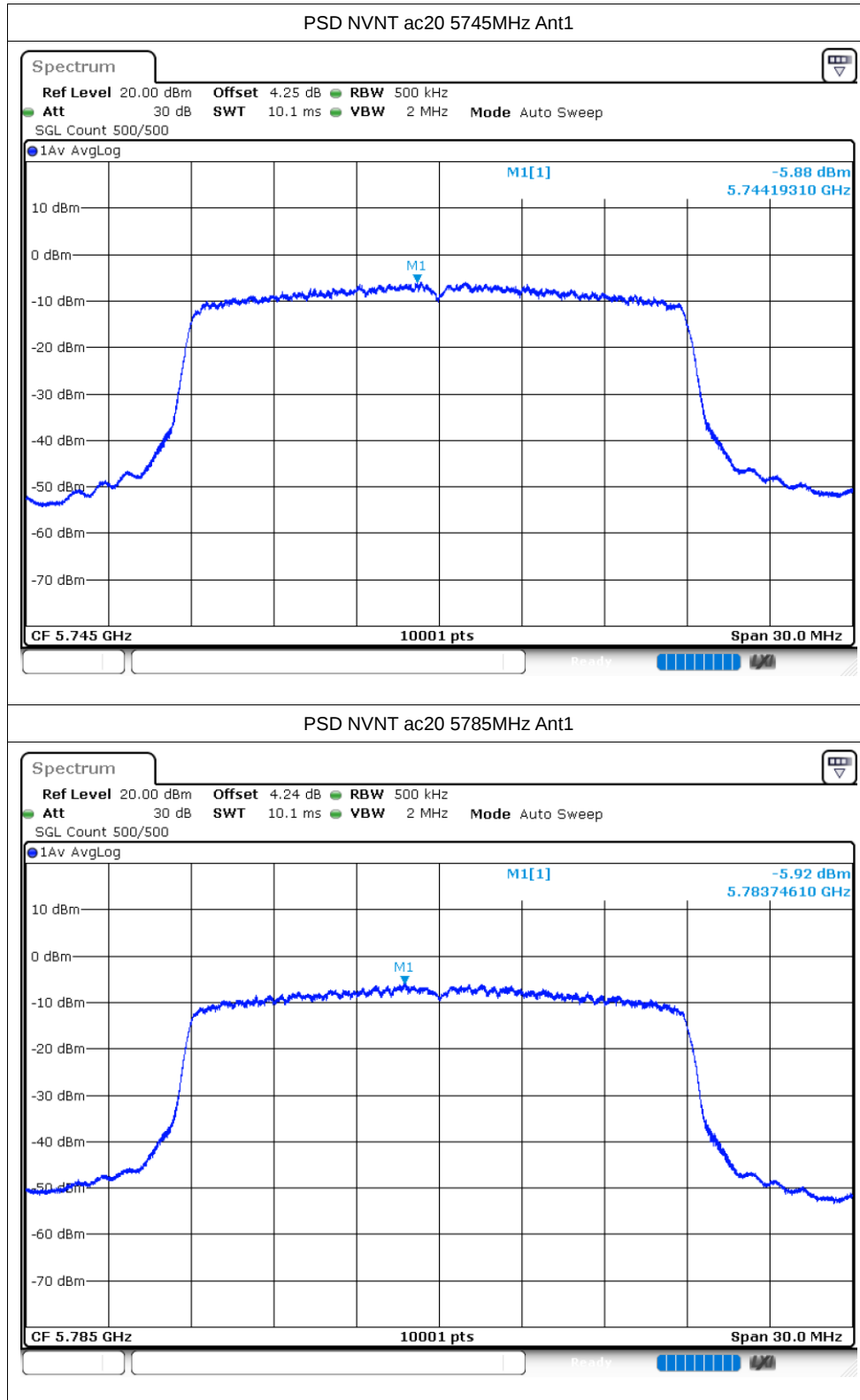
PSD NVNT a 5785MHz Ant1

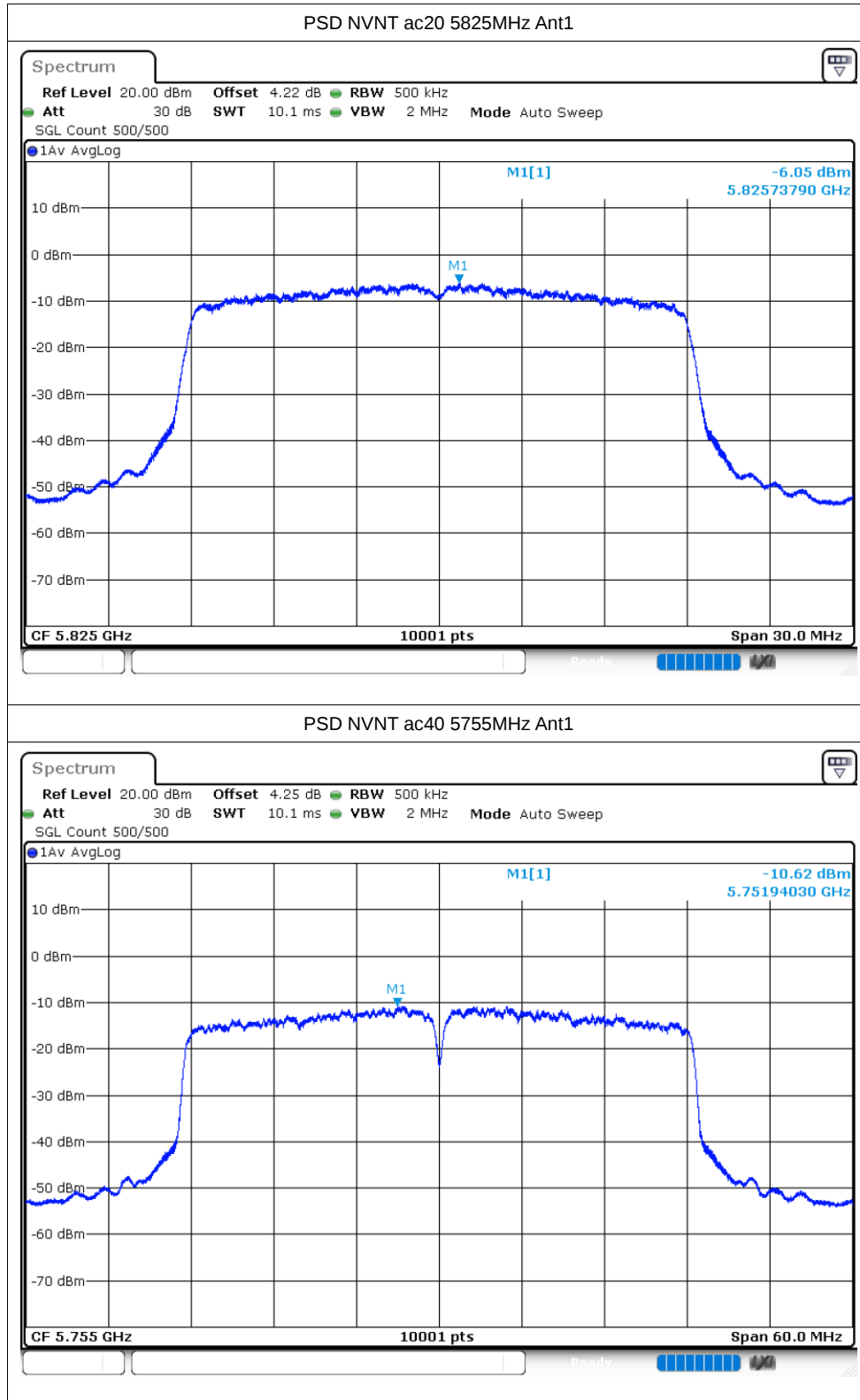


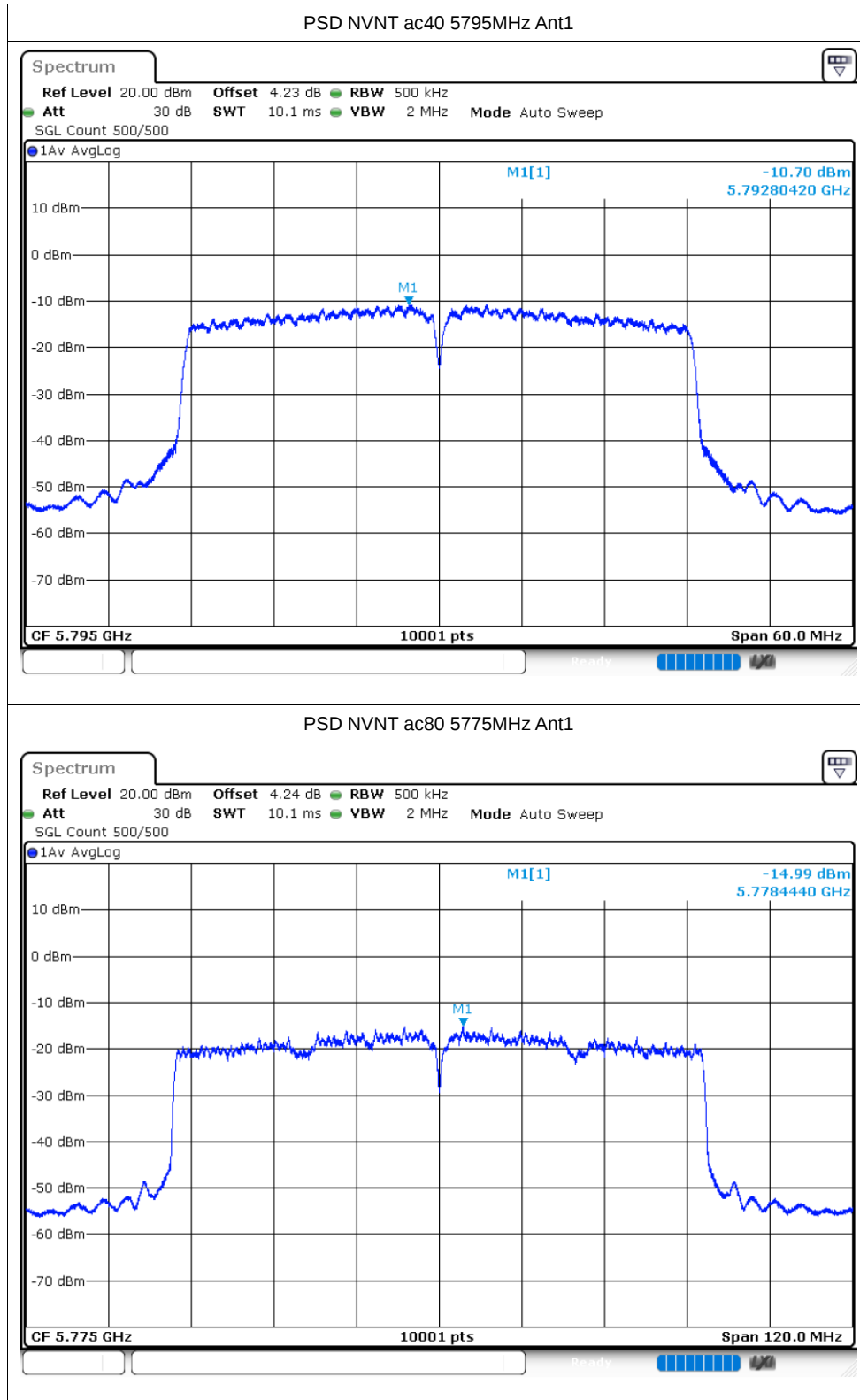










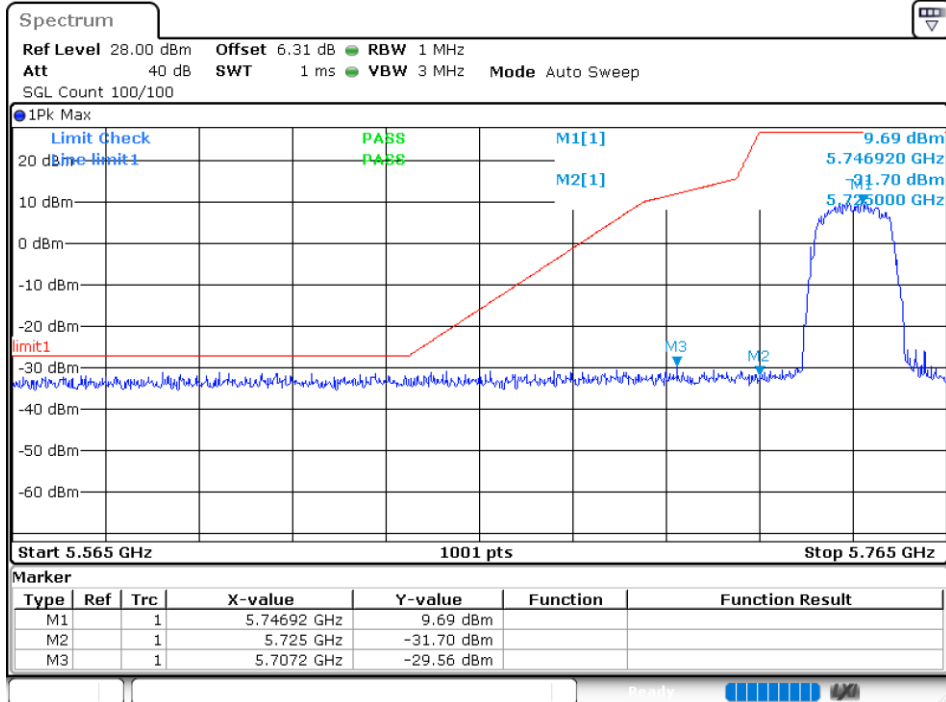


Band Edge

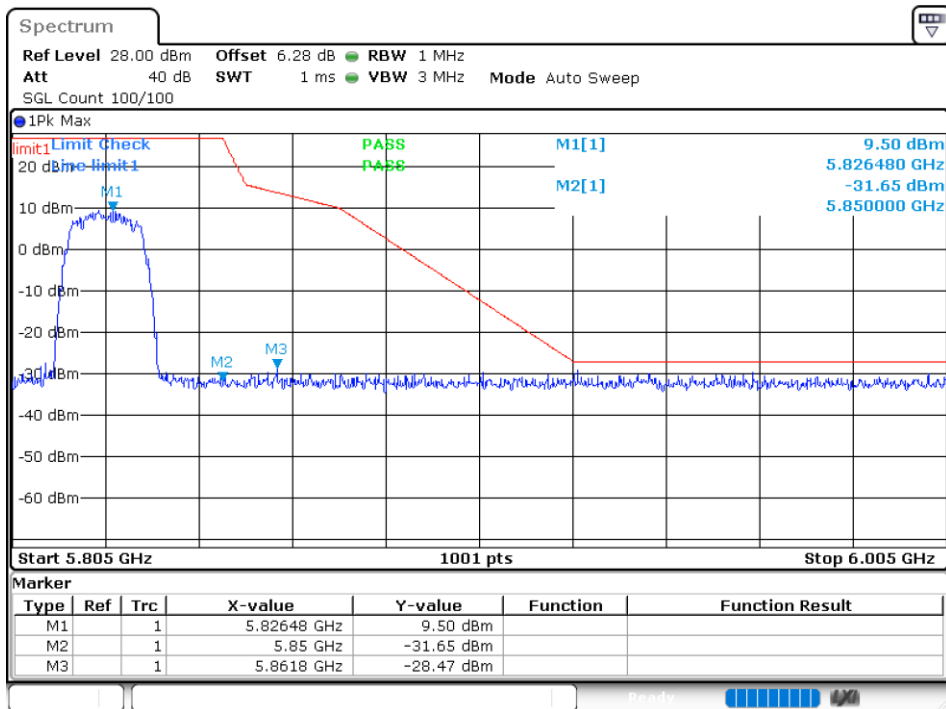
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-29.55	Pass
NVNT	a	5825	Ant1	-28.47	Pass
NVNT	n20	5745	Ant1	-27.22	Pass
NVNT	n20	5825	Ant1	-29.27	Pass
NVNT	n40	5755	Ant1	-26.33	Pass
NVNT	n40	5795	Ant1	-29.57	Pass
NVNT	ac20	5745	Ant1	-30.37	Pass
NVNT	ac20	5825	Ant1	-28.99	Pass
NVNT	ac40	5755	Ant1	-29.38	Pass
NVNT	ac40	5795	Ant1	-29.7	Pass
NVNT	ac80	5775	Ant1	-35.87	Pass

Test Graphs

Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1

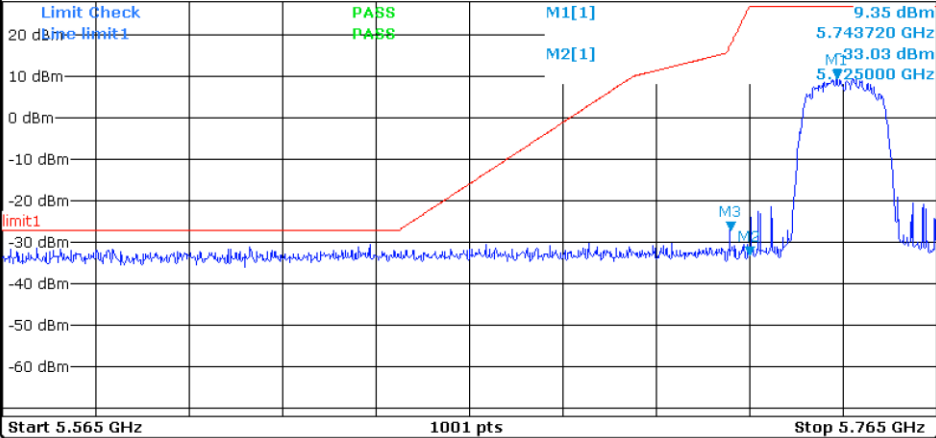


Band Edge NVNT n20 5745MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.31 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

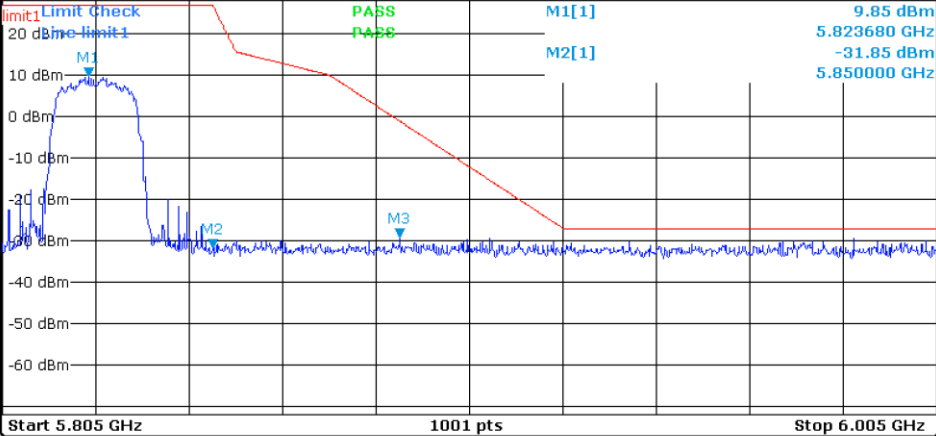
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.74372 GHz	9.35 dBm		
M2	1	1	5.725 GHz	-33.03 dBm		
M3	1	1	5.7208 GHz	-27.23 dBm		

Band Edge NVNT n20 5825MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.28 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

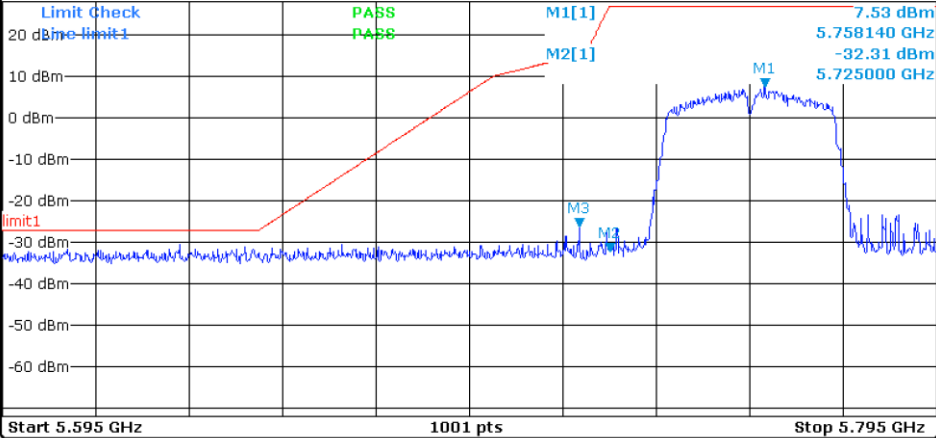
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.82368 GHz	9.85 dBm		
M2	1	1	5.85 GHz	-31.85 dBm		
M3	1	1	5.89 GHz	-29.27 dBm		

Band Edge NVNT n40 5755MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.31 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

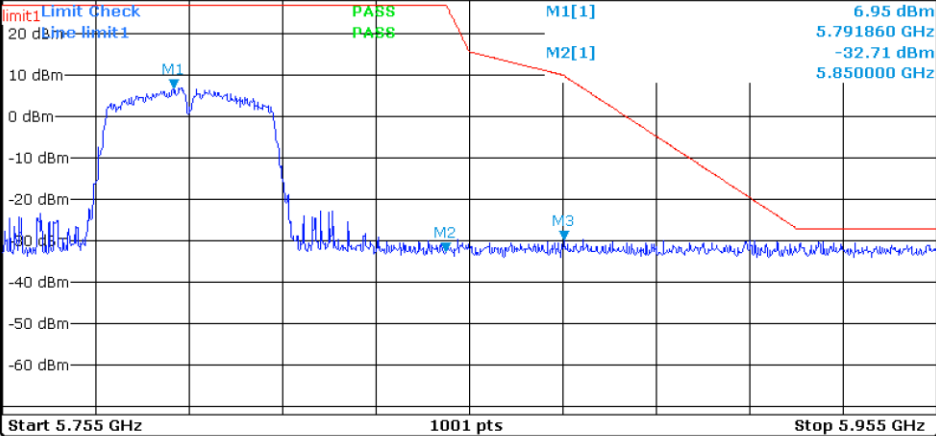
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.75814 GHz	7.53 dBm		
M2	1		5.725 GHz	-32.31 dBm		
M3	1		5.7186 GHz	-26.34 dBm		

Band Edge NVNT n40 5795MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.29 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

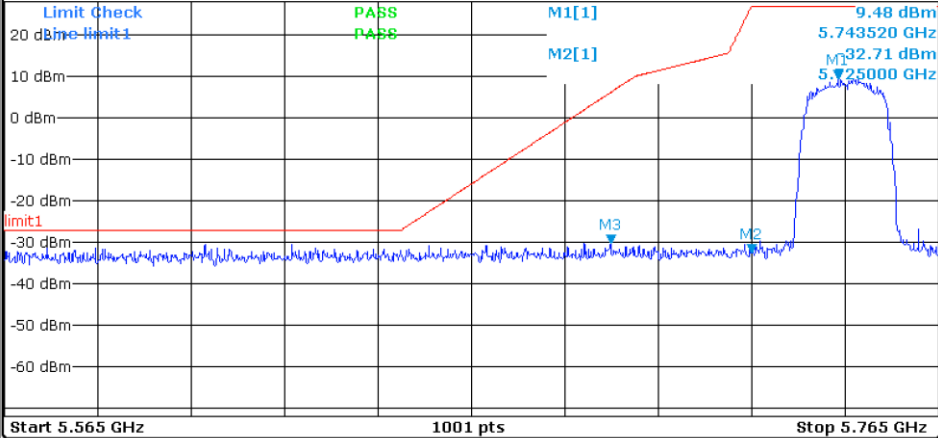
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.79186 GHz	6.95 dBm		
M2	1		5.85 GHz	-32.71 dBm		
M3	1		5.8752 GHz	-29.58 dBm		

Band Edge NVNT ac20 5745MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.31 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

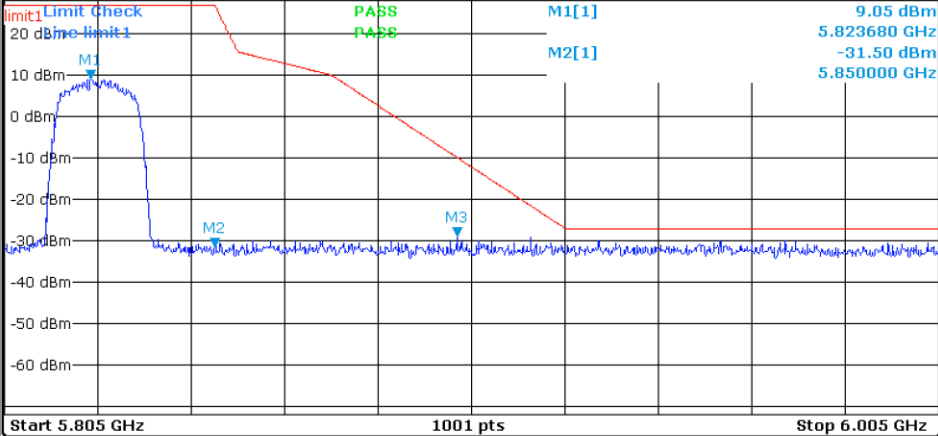
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.74352 GHz	9.48 dBm		
M2	1		5.725 GHz	-32.71 dBm		
M3	1		5.6948 GHz	-30.37 dBm		

Band Edge NVNT ac20 5825MHz High Ant1

Spectrum

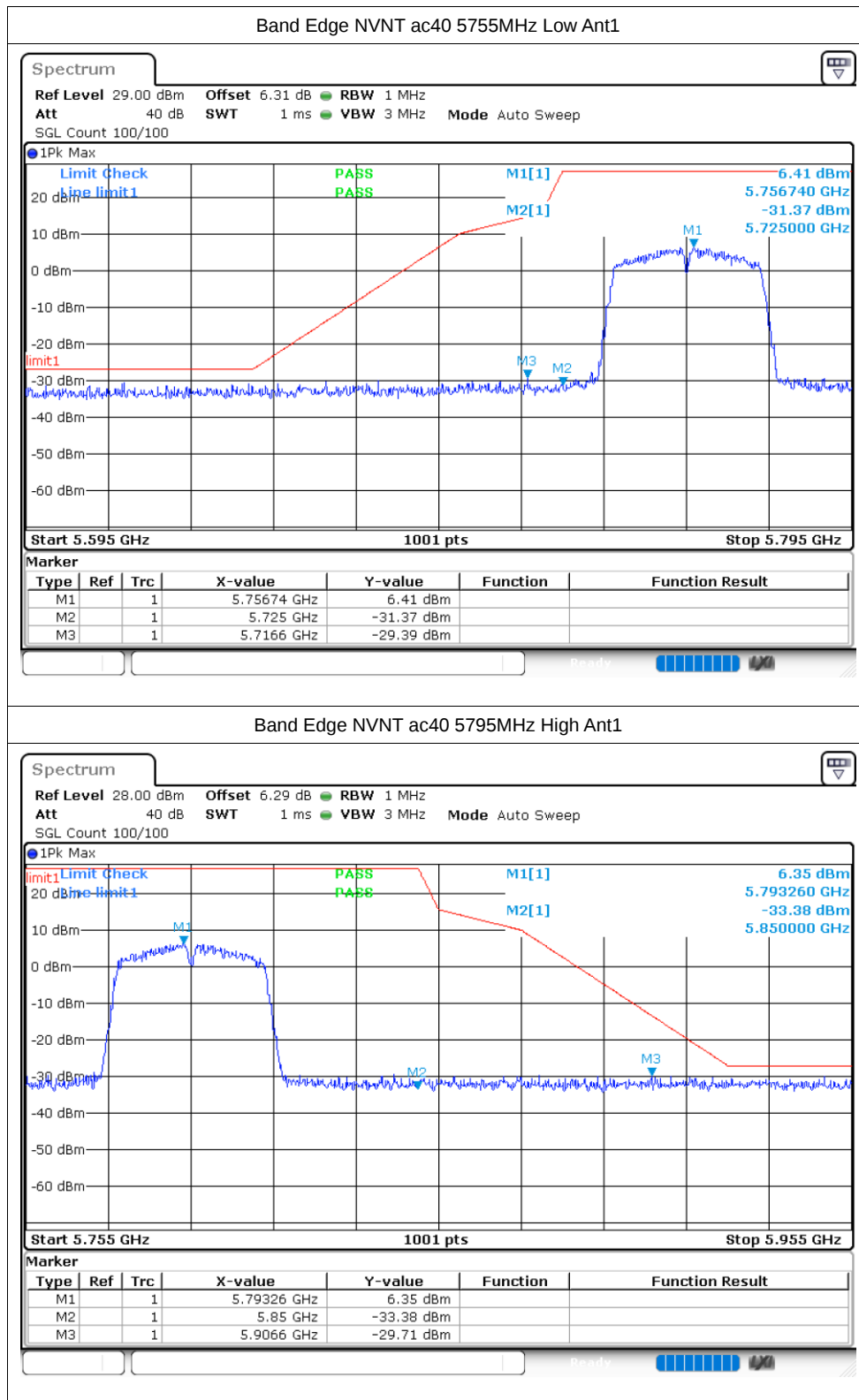
Ref Level 28.00 dBm Offset 6.28 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

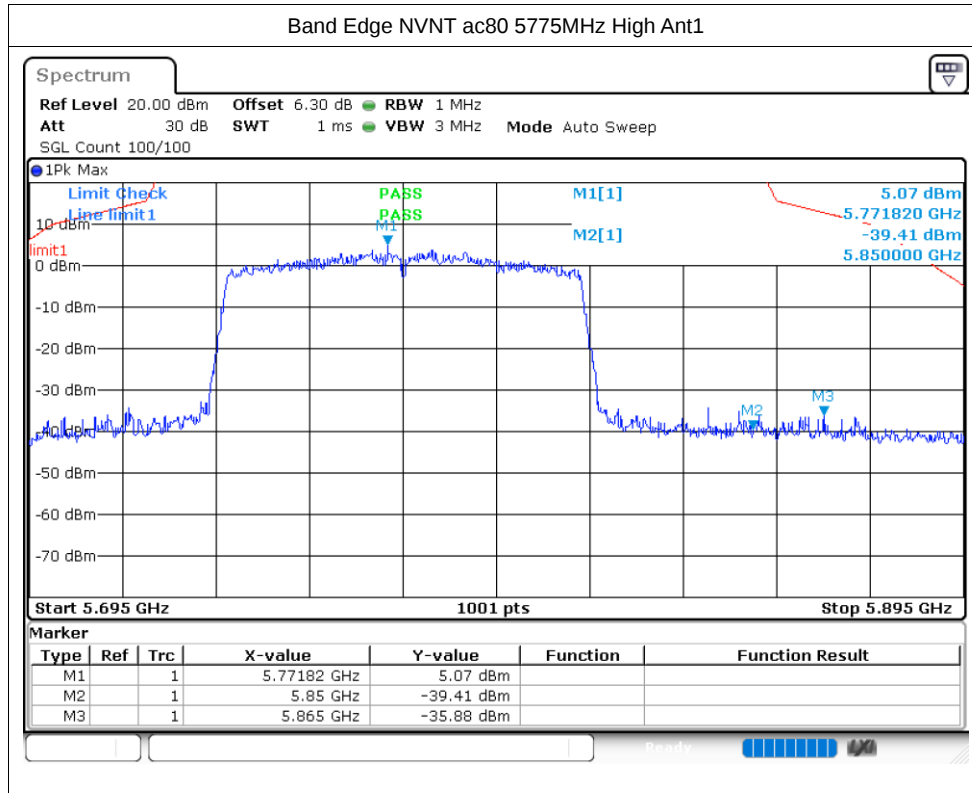
1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.82368 GHz	9.05 dBm		
M2	1		5.85 GHz	-31.50 dBm		
M3	1		5.902 GHz	-28.99 dBm		



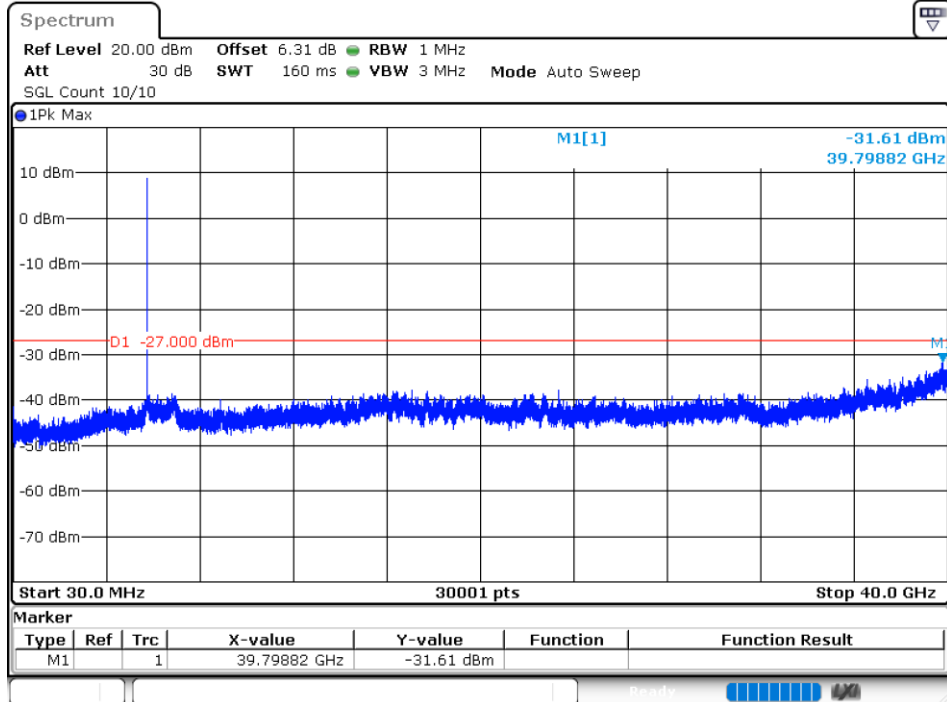


Conducted RF Spurious Emission

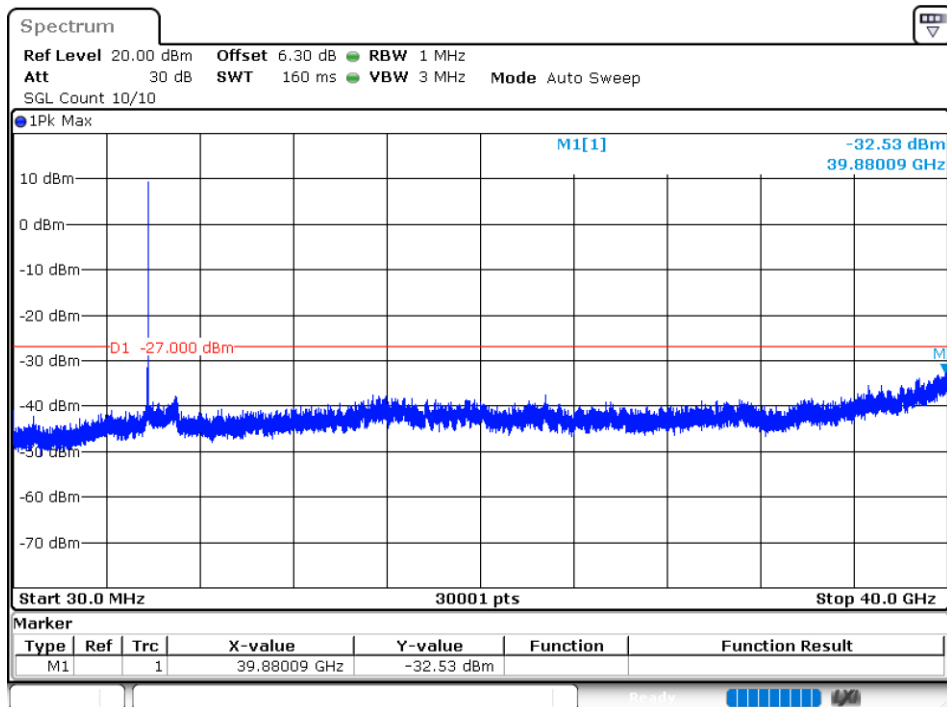
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-31.61	-27	Pass
NVNT	a	5785	Ant1	-32.53	-27	Pass
NVNT	a	5825	Ant1	-32.58	-27	Pass
NVNT	n20	5745	Ant1	-32.46	-27	Pass
NVNT	n20	5785	Ant1	-31.8	-27	Pass
NVNT	n20	5825	Ant1	-32.12	-27	Pass
NVNT	n40	5755	Ant1	-31.96	-27	Pass
NVNT	n40	5795	Ant1	-31.74	-27	Pass
NVNT	ac20	5745	Ant1	-31.68	-27	Pass
NVNT	ac20	5785	Ant1	-32.05	-27	Pass
NVNT	ac20	5825	Ant1	-31.9	-27	Pass
NVNT	ac40	5755	Ant1	-32.05	-27	Pass
NVNT	ac40	5795	Ant1	-32.18	-27	Pass
NVNT	ac80	5775	Ant1	-32.64	-27	Pass

Test Graphs

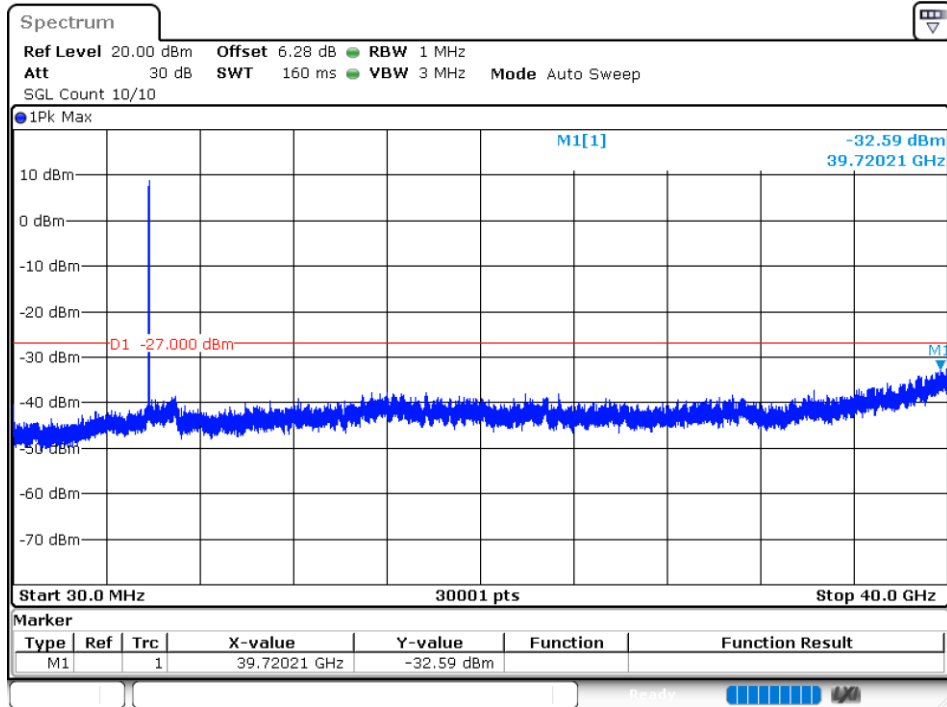
Tx. Spurious NVNT a 5745MHz Ant1 Emission



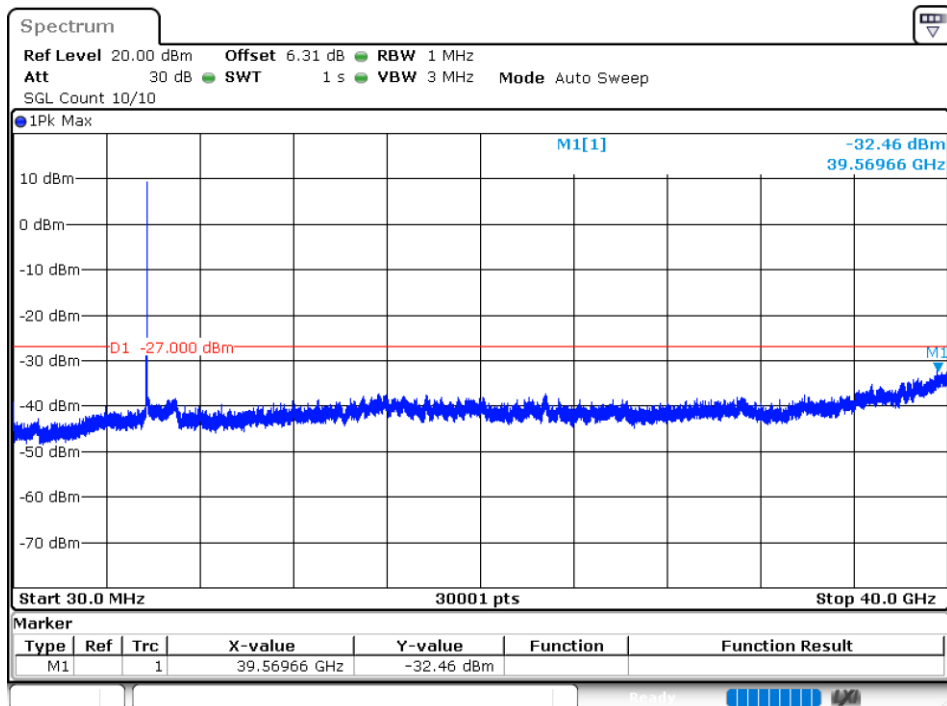
Tx. Spurious NVNT a 5785MHz Ant1 Emission

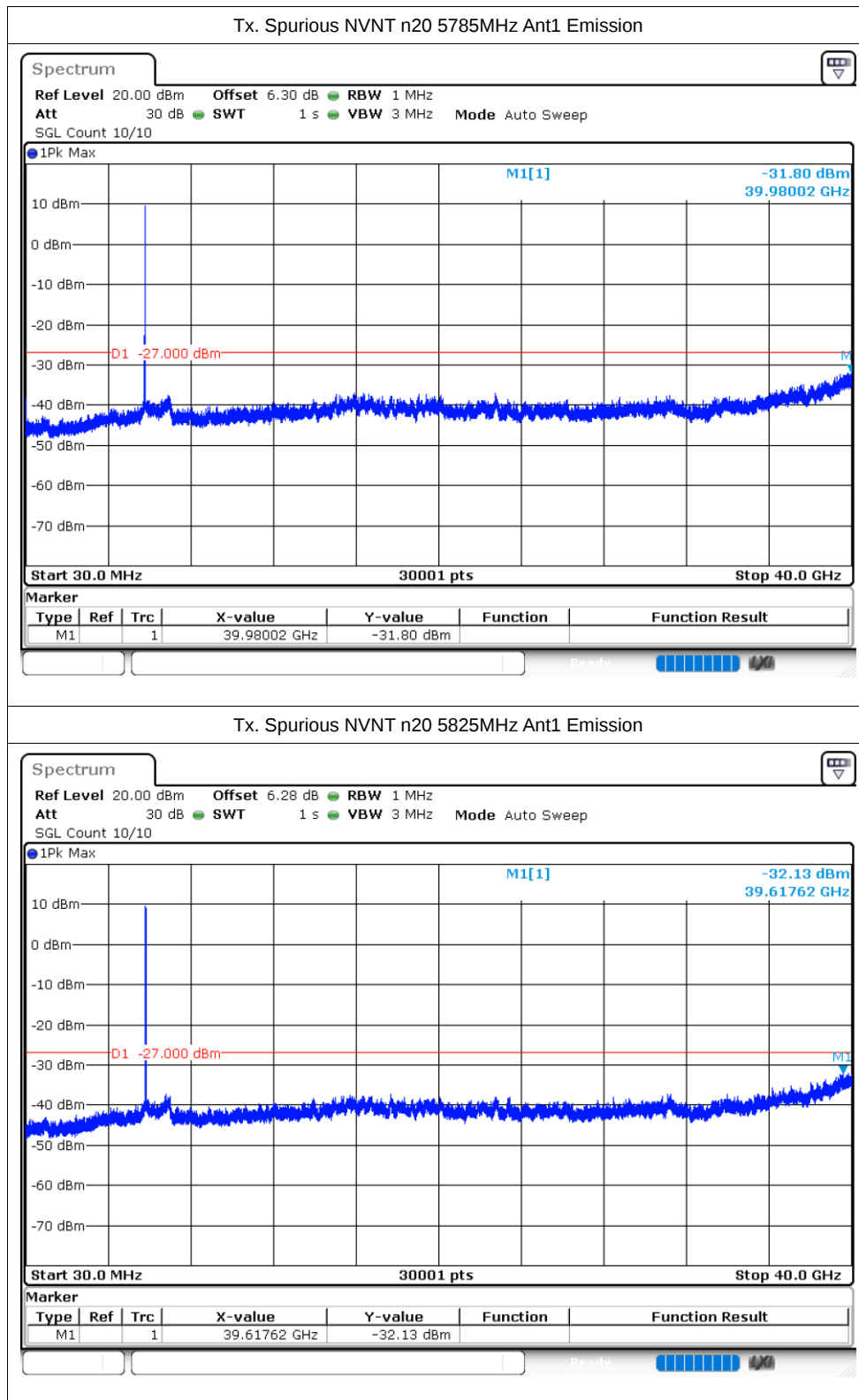


Tx. Spurious NVNT a 5825MHz Ant1 Emission

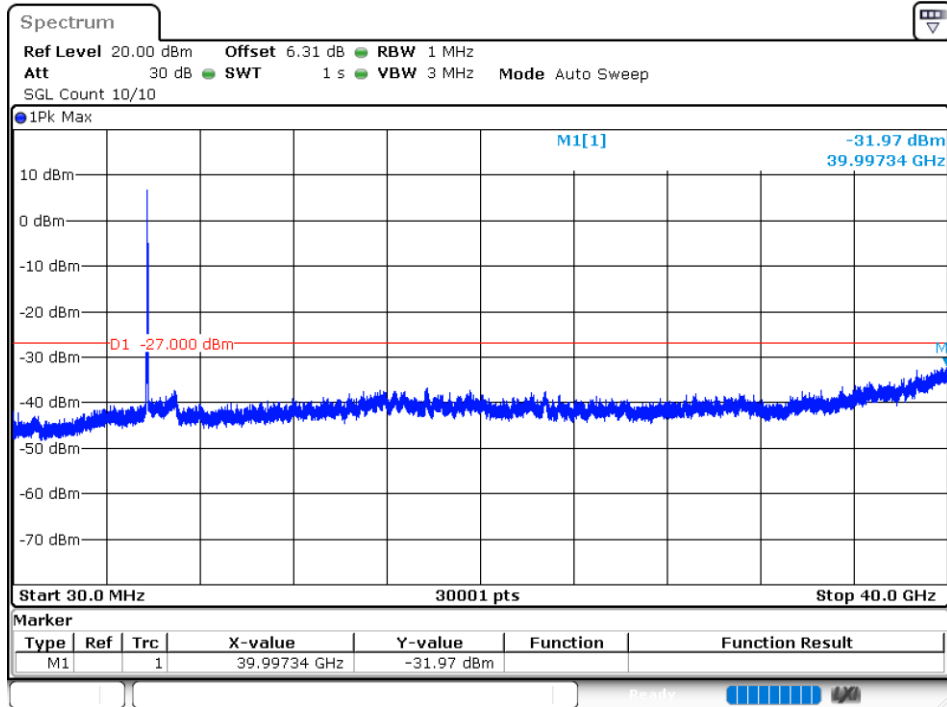


Tx. Spurious NVNT n20 5745MHz Ant1 Emission

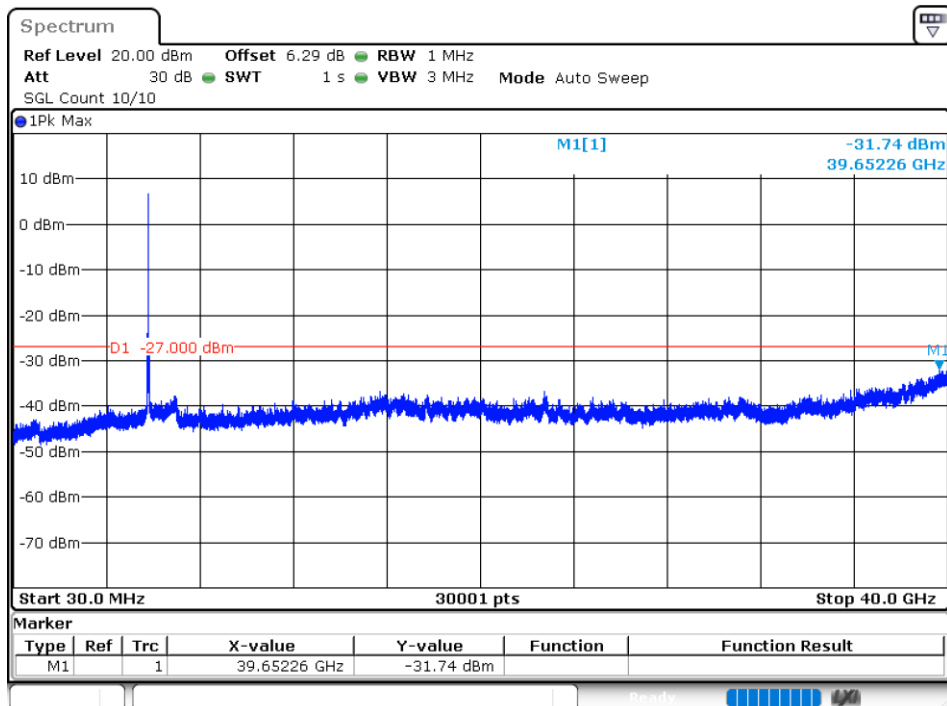


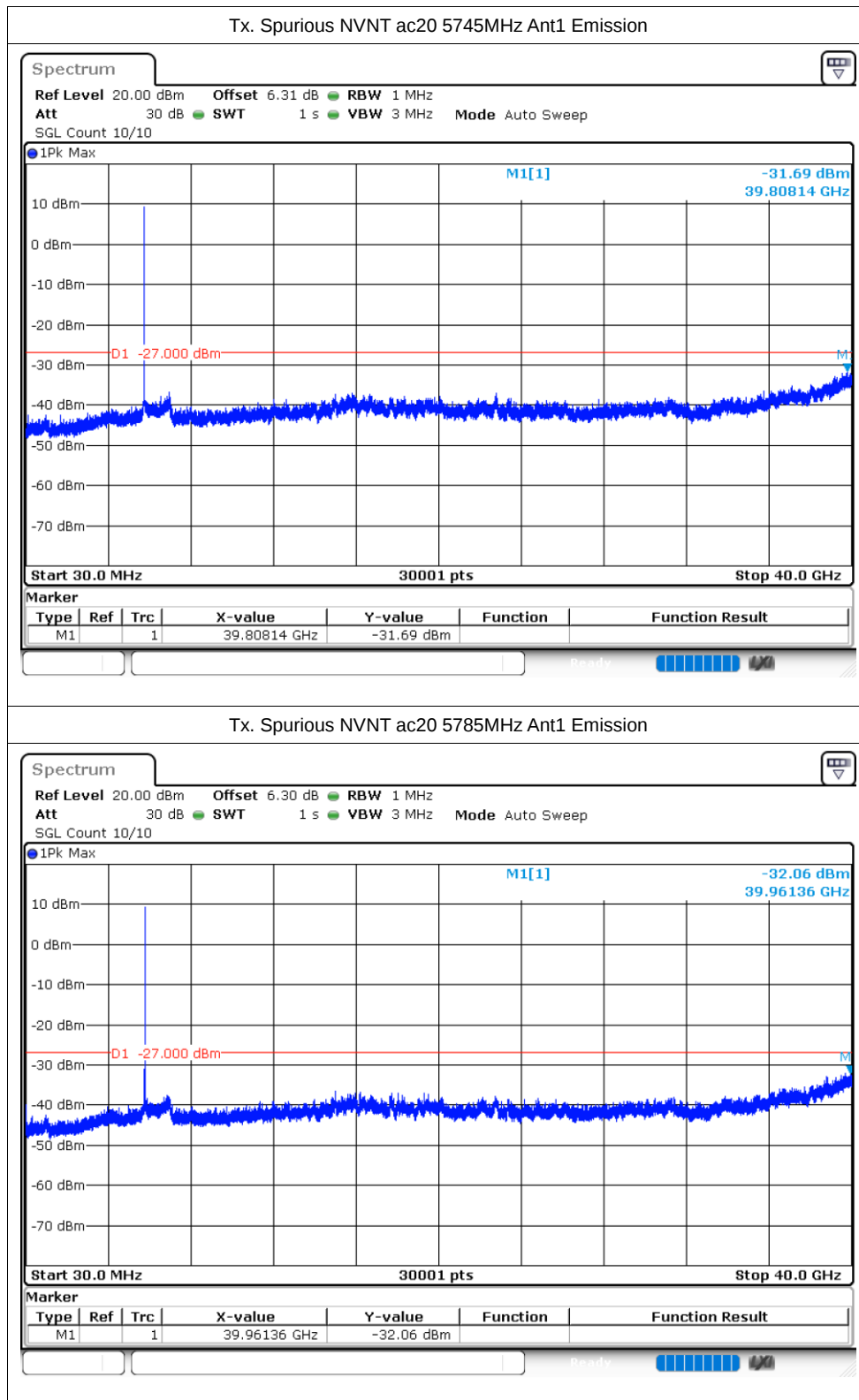


Tx. Spurious NVNT n40 5755MHz Ant1 Emission

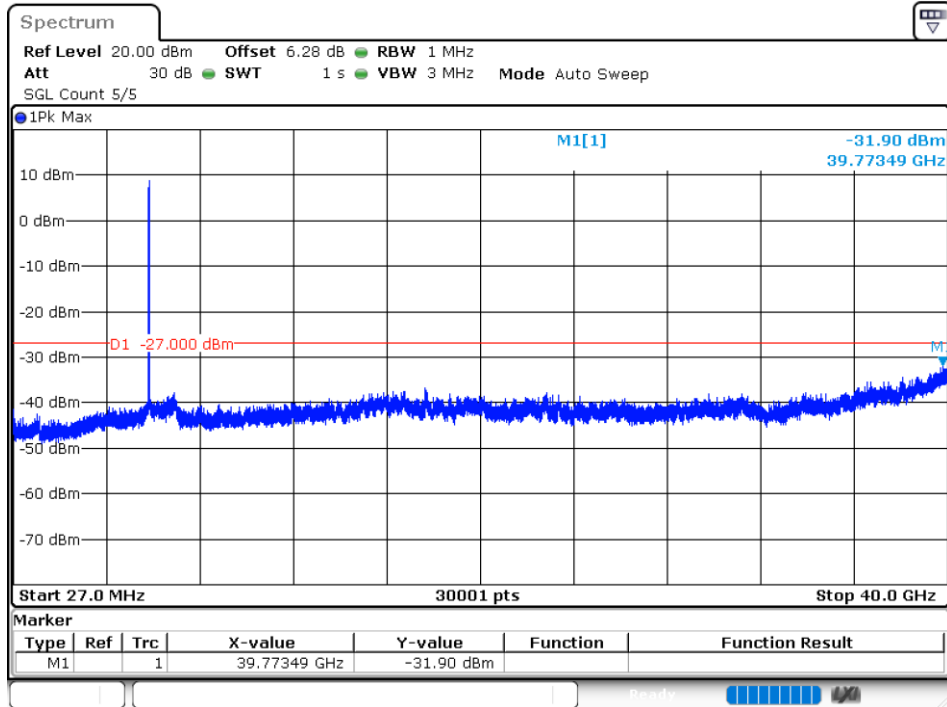


Tx. Spurious NVNT n40 5795MHz Ant1 Emission

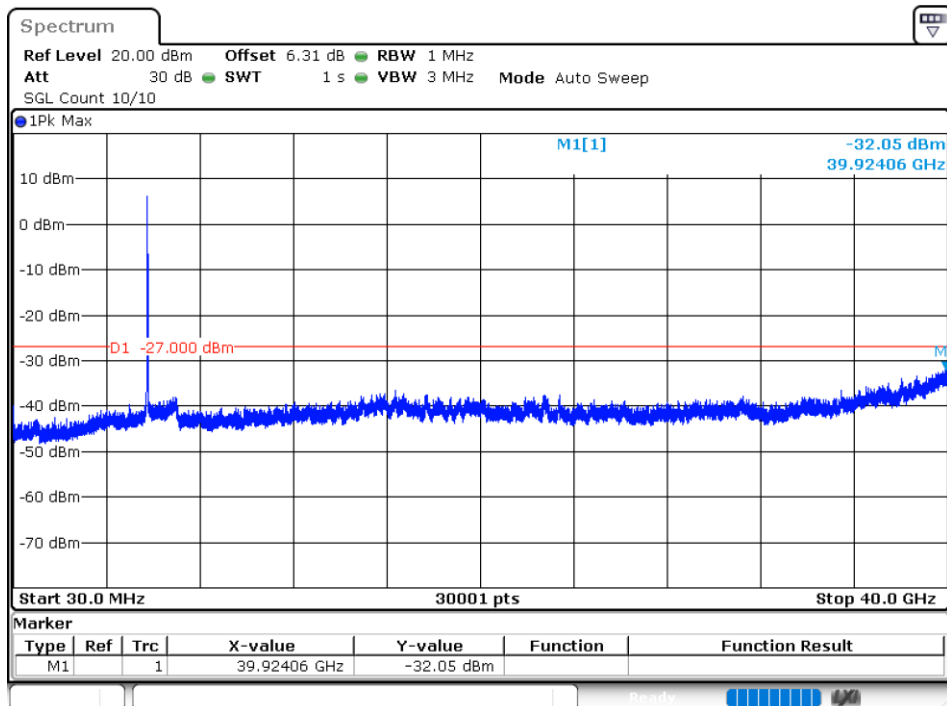




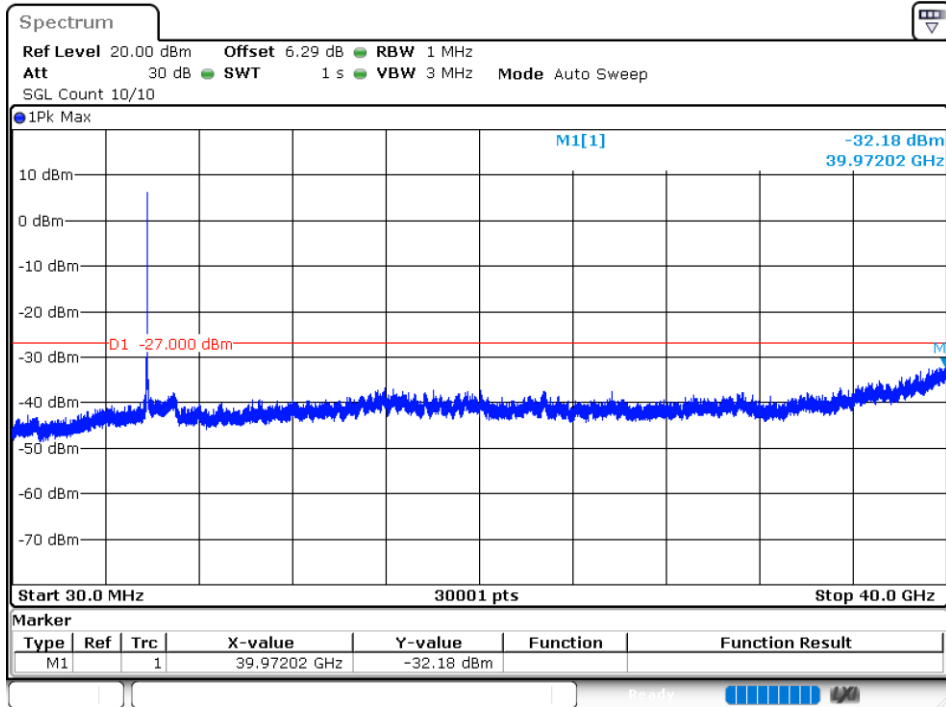
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission

