

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	96.41	0.16	0.72
NVNT	a	5785	Ant1	96.34	0.16	0.72
NVNT	a	5825	Ant1	98.87	0.05	0.69
NVNT	n20	5745	Ant1	96.12	0.17	0.77
NVNT	n20	5785	Ant1	96.11	0.17	0.77
NVNT	n20	5825	Ant1	96.11	0.17	0.77
NVNT	n40	5755	Ant1	92.55	0.34	1.54
NVNT	n40	5795	Ant1	97.49	0.11	100
NVNT	ac20	5745	Ant1	96.15	0.17	0.76
NVNT	ac20	5785	Ant1	96.19	0.17	0.76
NVNT	ac20	5825	Ant1	96.14	0.17	0.76
NVNT	ac40	5755	Ant1	92.64	0.33	1.54
NVNT	ac40	5795	Ant1	92.6	0.33	1.54
NVNT	ac80	5775	Ant1	86.52	0.63	3.03

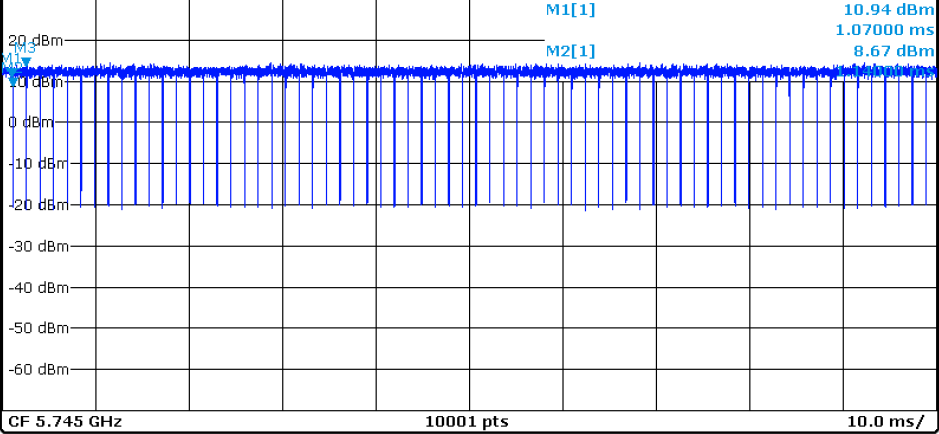
Test Graphs

Duty Cycle NVNT a 5745MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 4.25 dB RBW 10 MHz
 Att 45 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw



Marker

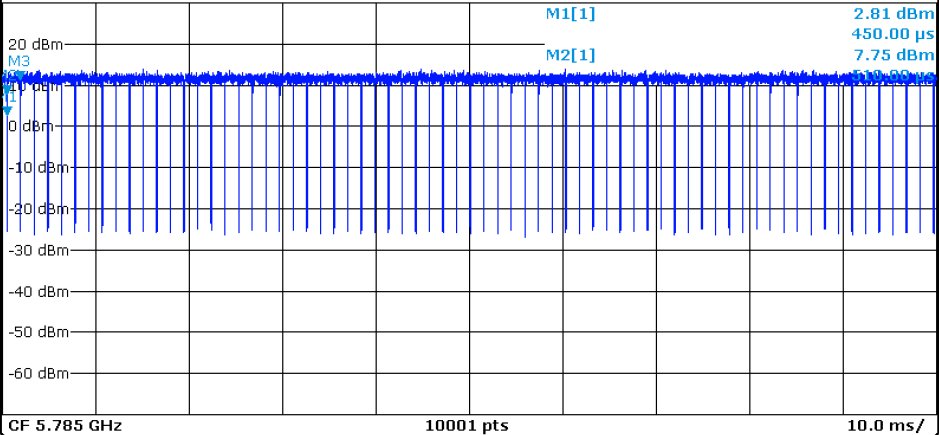
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1.07 ms	10.94 dBm		
M2	1		1.14 ms	8.67 dBm		
M3	1		2.53 ms	13.74 dBm		

Duty Cycle NVNT a 5785MHz Ant1

Spectrum

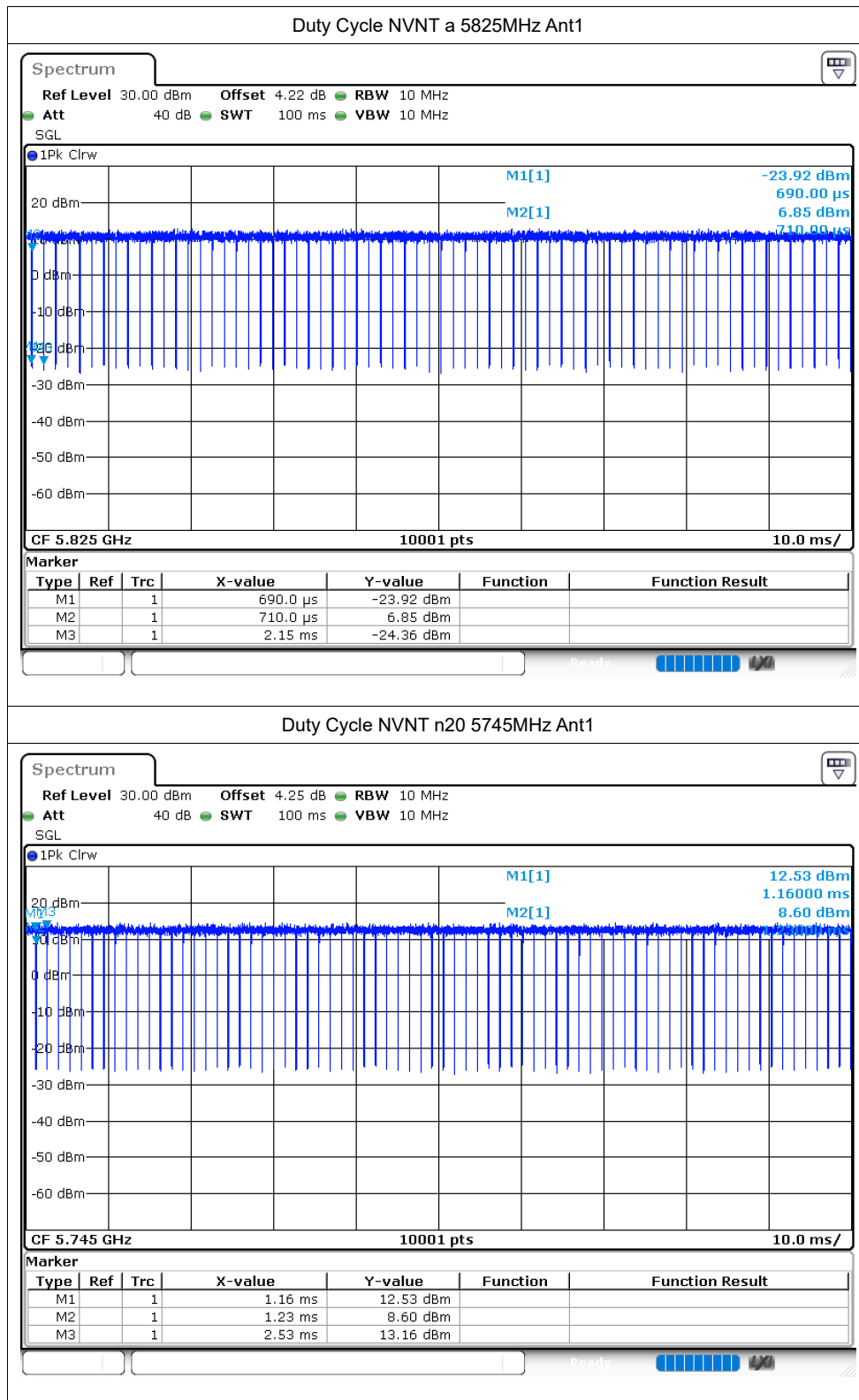
Ref Level 30.00 dBm Offset 4.24 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

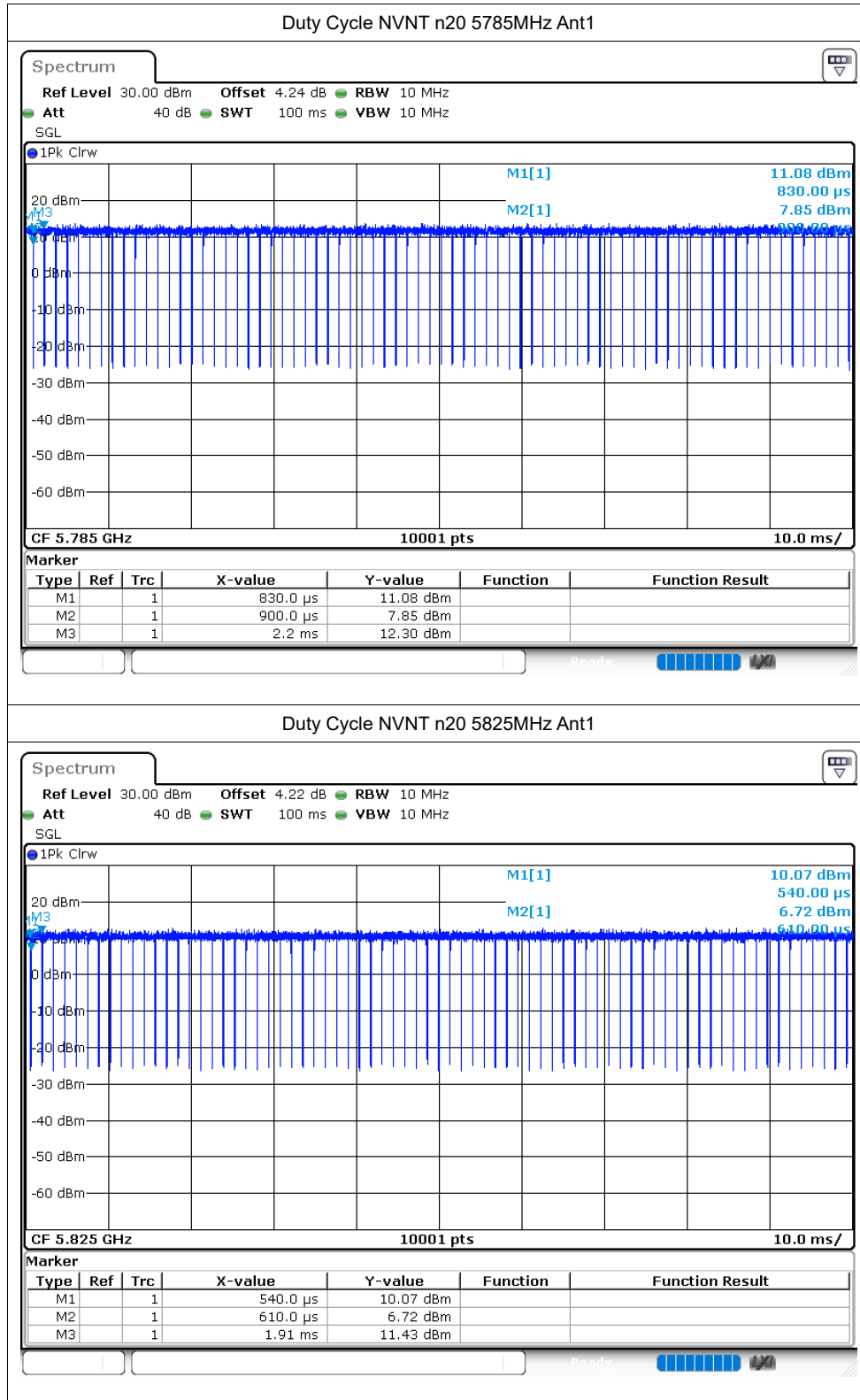
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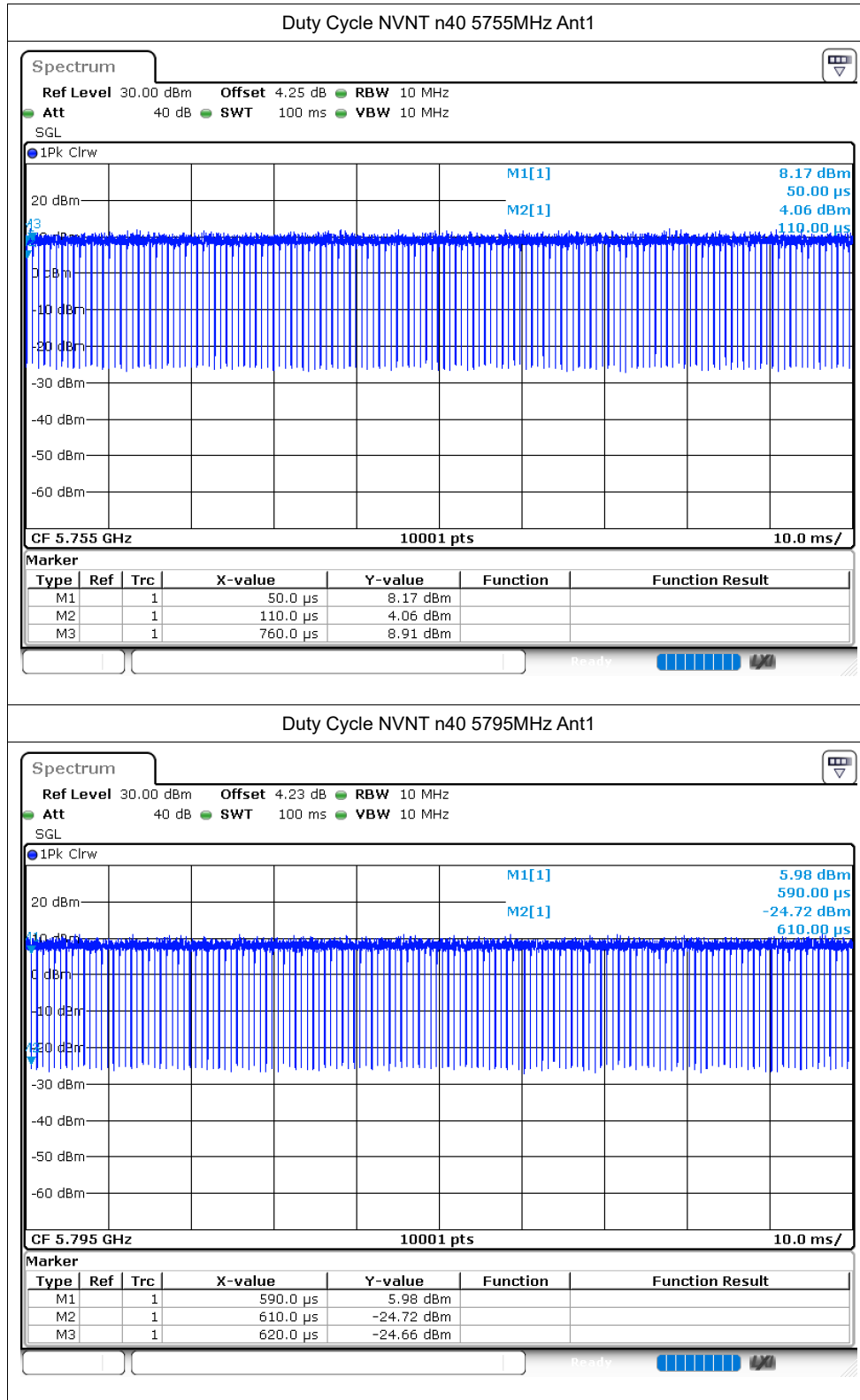


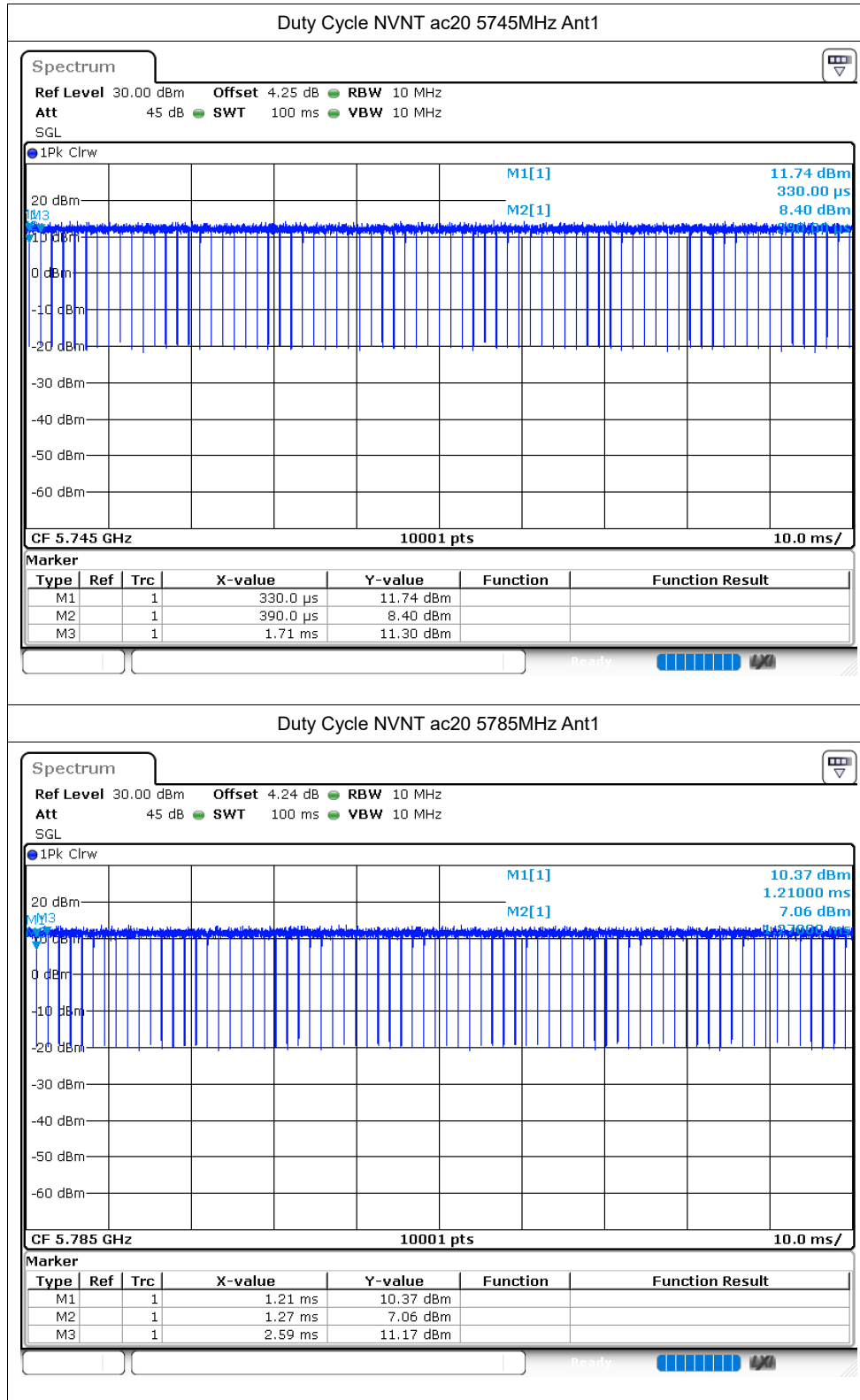
Marker

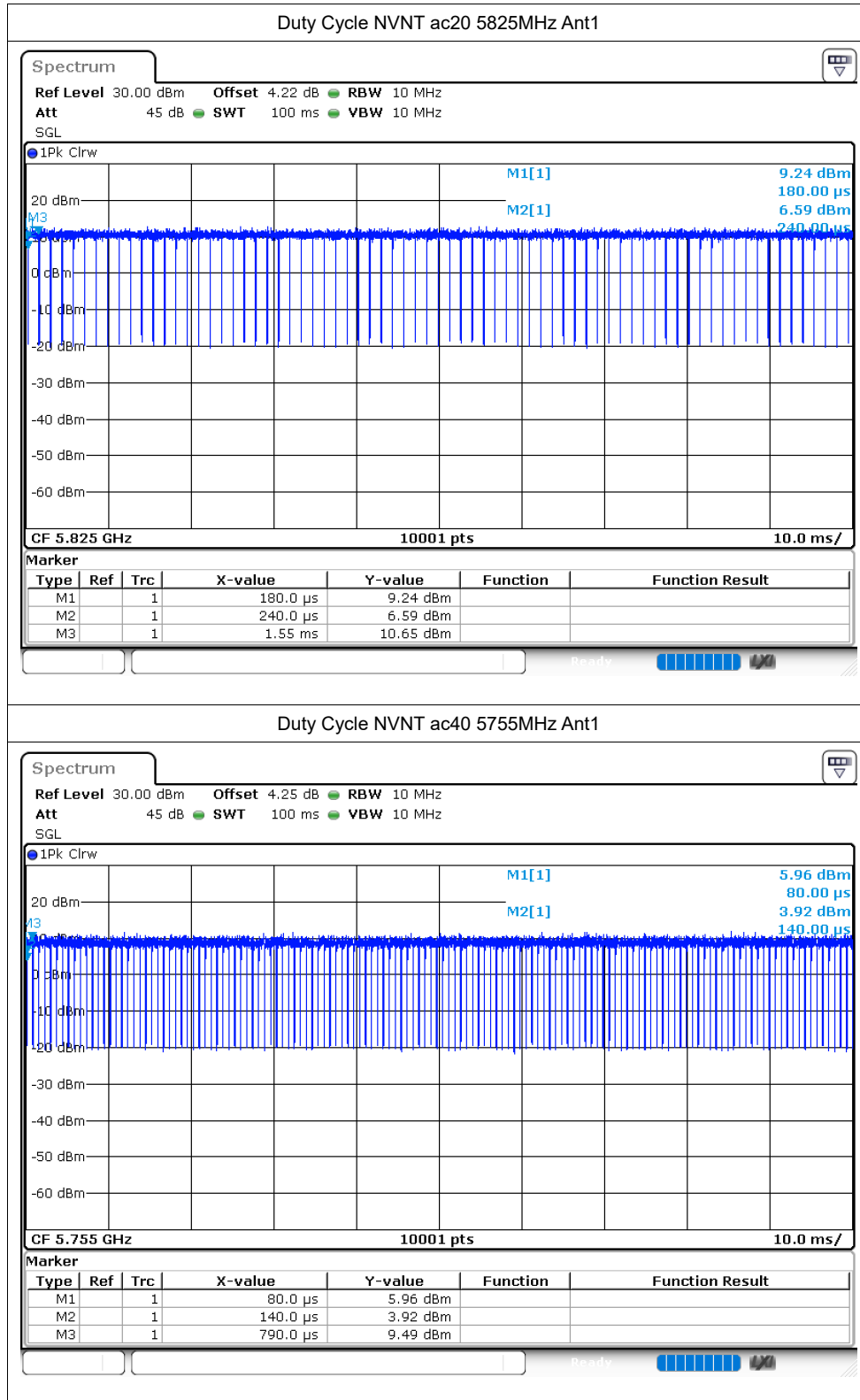
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		450.0 μs	2.81 dBm		
M2	1		510.0 μs	7.75 dBm		
M3	1		1.9 ms	11.20 dBm		

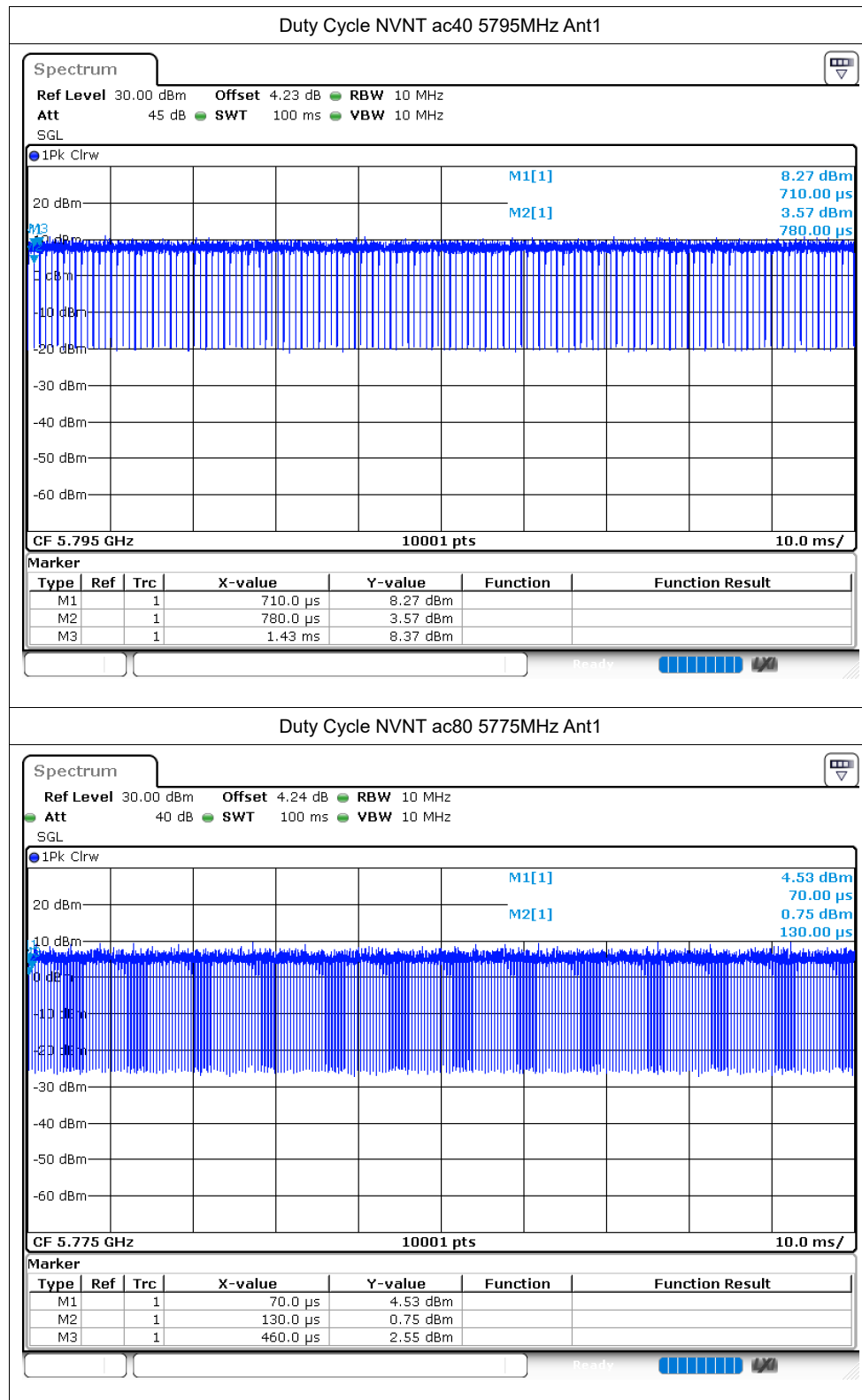












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Burst Average Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	9.06	30	Pass
NVNT	a	5785	Ant1	8.22	30	Pass
NVNT	a	5825	Ant1	7.41	30	Pass
NVNT	n20	5745	Ant1	9.56	30	Pass
NVNT	n20	5785	Ant1	8.37	30	Pass
NVNT	n20	5825	Ant1	7.75	30	Pass
NVNT	n40	5755	Ant1	8.02	30	Pass
NVNT	n40	5795	Ant1	7.16	30	Pass
NVNT	ac20	5745	Ant1	9.39	30	Pass
NVNT	ac20	5785	Ant1	8.14	30	Pass
NVNT	ac20	5825	Ant1	7.64	30	Pass
NVNT	ac40	5755	Ant1	7.91	30	Pass
NVNT	ac40	5795	Ant1	7.07	30	Pass
NVNT	ac80	5775	Ant1	8.15	30	Pass

Note: The Duty cycle factor have been added to the result.

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.311	0.5	Pass
NVNT	a	5785	Ant1	16.335	0.5	Pass
NVNT	a	5825	Ant1	16.542	0.5	Pass
NVNT	n20	5745	Ant1	17.304	0.5	Pass
NVNT	n20	5785	Ant1	17.562	0.5	Pass
NVNT	n20	5825	Ant1	17.301	0.5	Pass
NVNT	n40	5755	Ant1	35.238	0.5	Pass
NVNT	n40	5795	Ant1	35.298	0.5	Pass
NVNT	ac20	5745	Ant1	17.55	0.5	Pass
NVNT	ac20	5785	Ant1	17.199	0.5	Pass
NVNT	ac20	5825	Ant1	17.625	0.5	Pass
NVNT	ac40	5755	Ant1	35.166	0.5	Pass
NVNT	ac40	5795	Ant1	35.424	0.5	Pass
NVNT	ac80	5775	Ant1	75.132	0.5	Pass

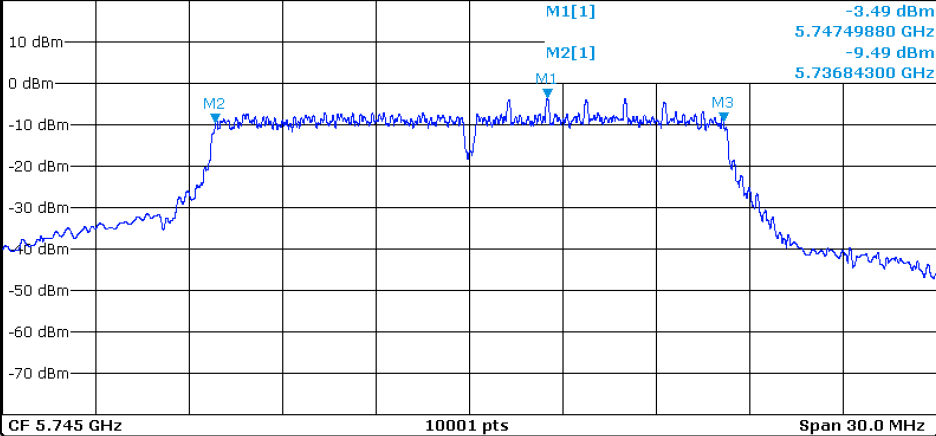
Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.25 dB RBW 100 kHz
Att 30 dB SWT 75.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

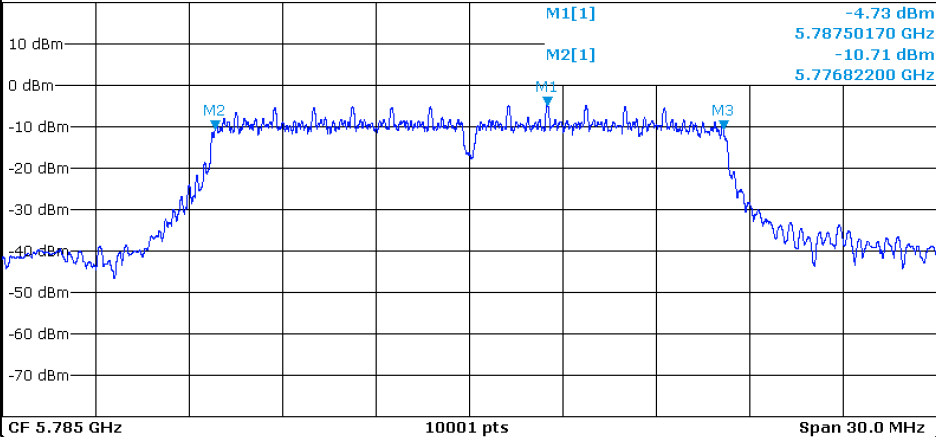
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.7474988 GHz	-3.49 dBm		
M2	1		5.736843 GHz	-9.49 dBm		
M3	1		5.753154 GHz	-9.27 dBm		

-6dB Bandwidth NVNT a 5785MHz Ant1

Spectrum

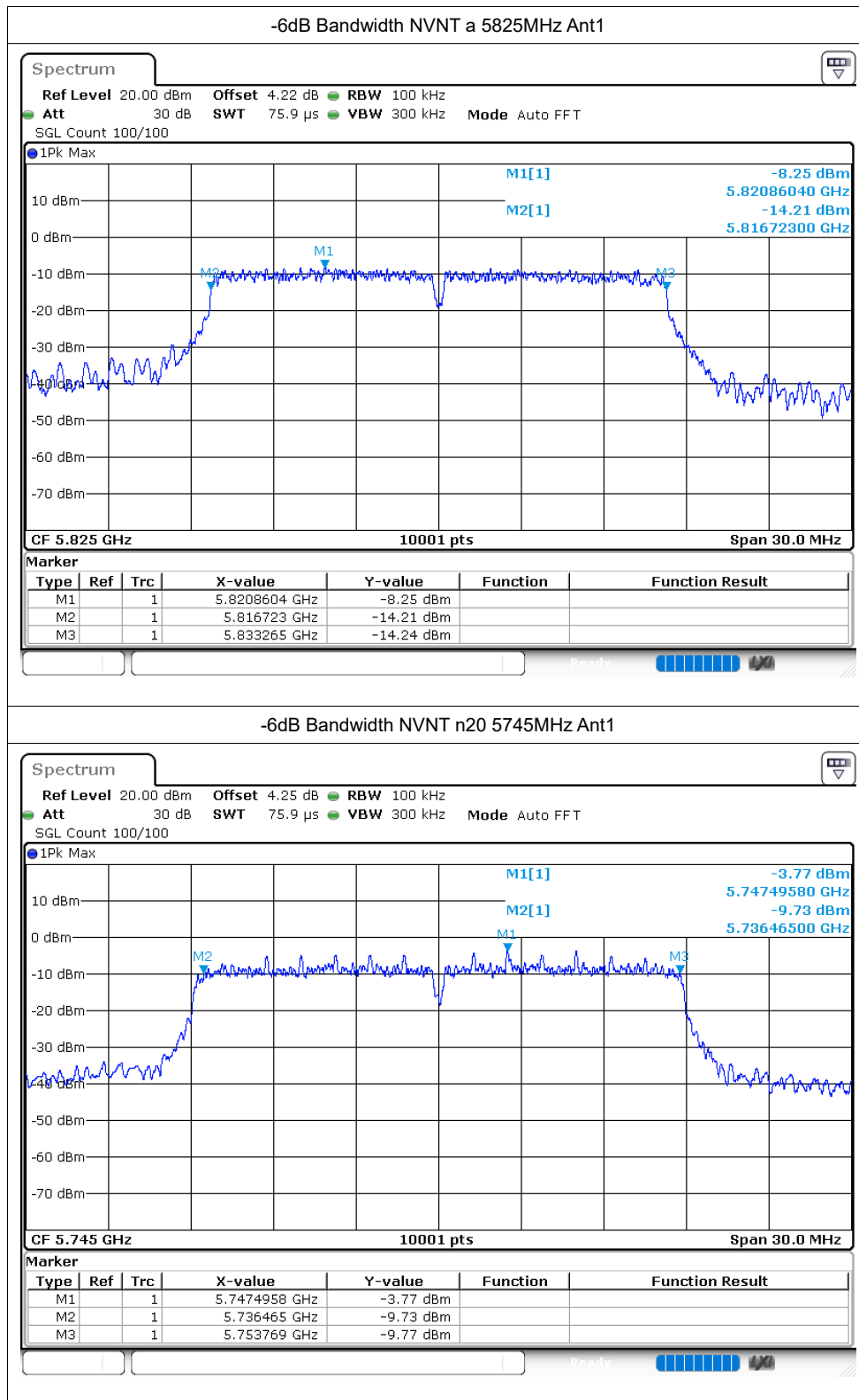
Ref Level 20.00 dBm Offset 4.24 dB RBW 100 kHz
Att 30 dB SWT 75.9 μ s VBW 300 kHz Mode Auto FFT
SGL Count 100/100

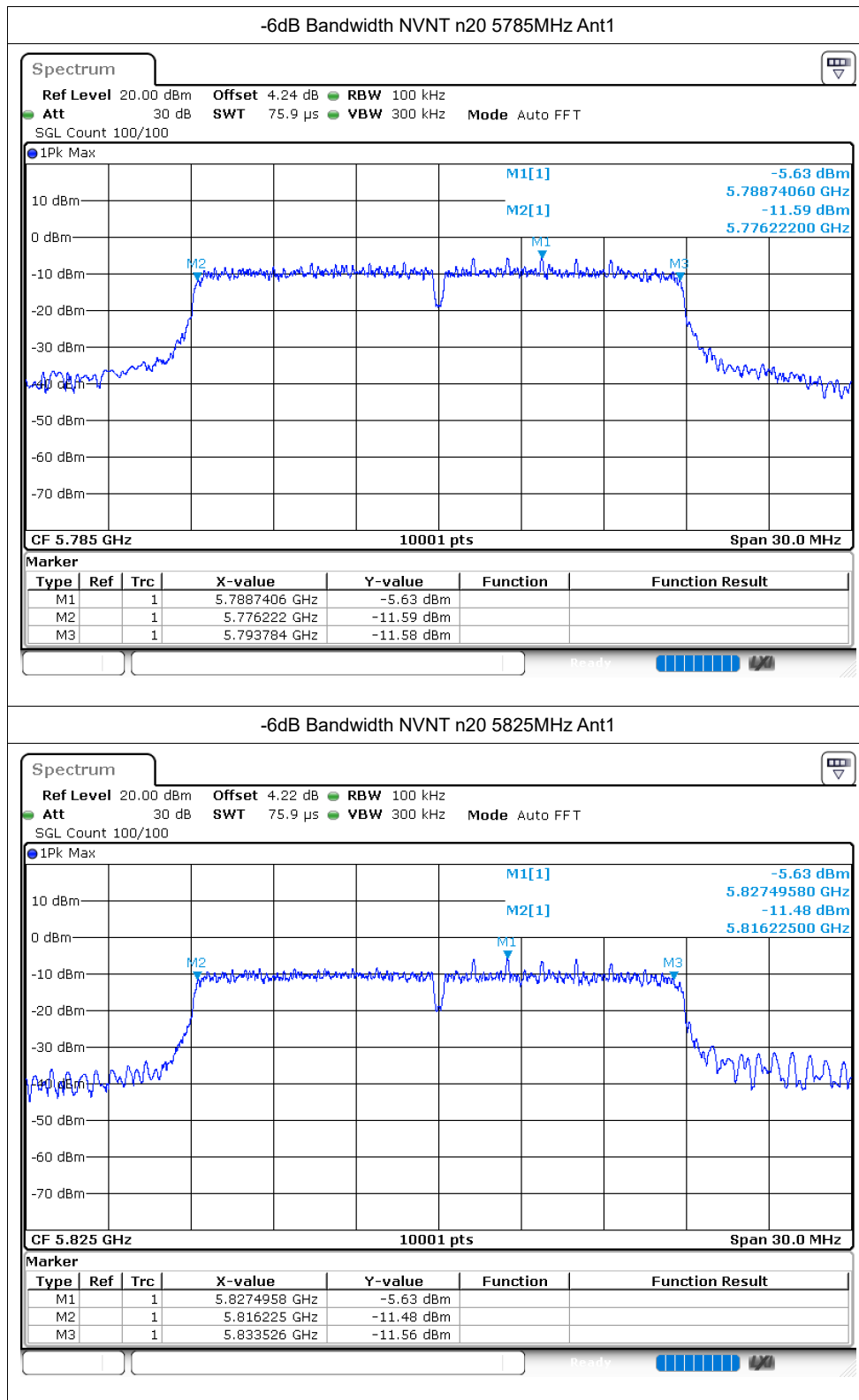
1Pk Max

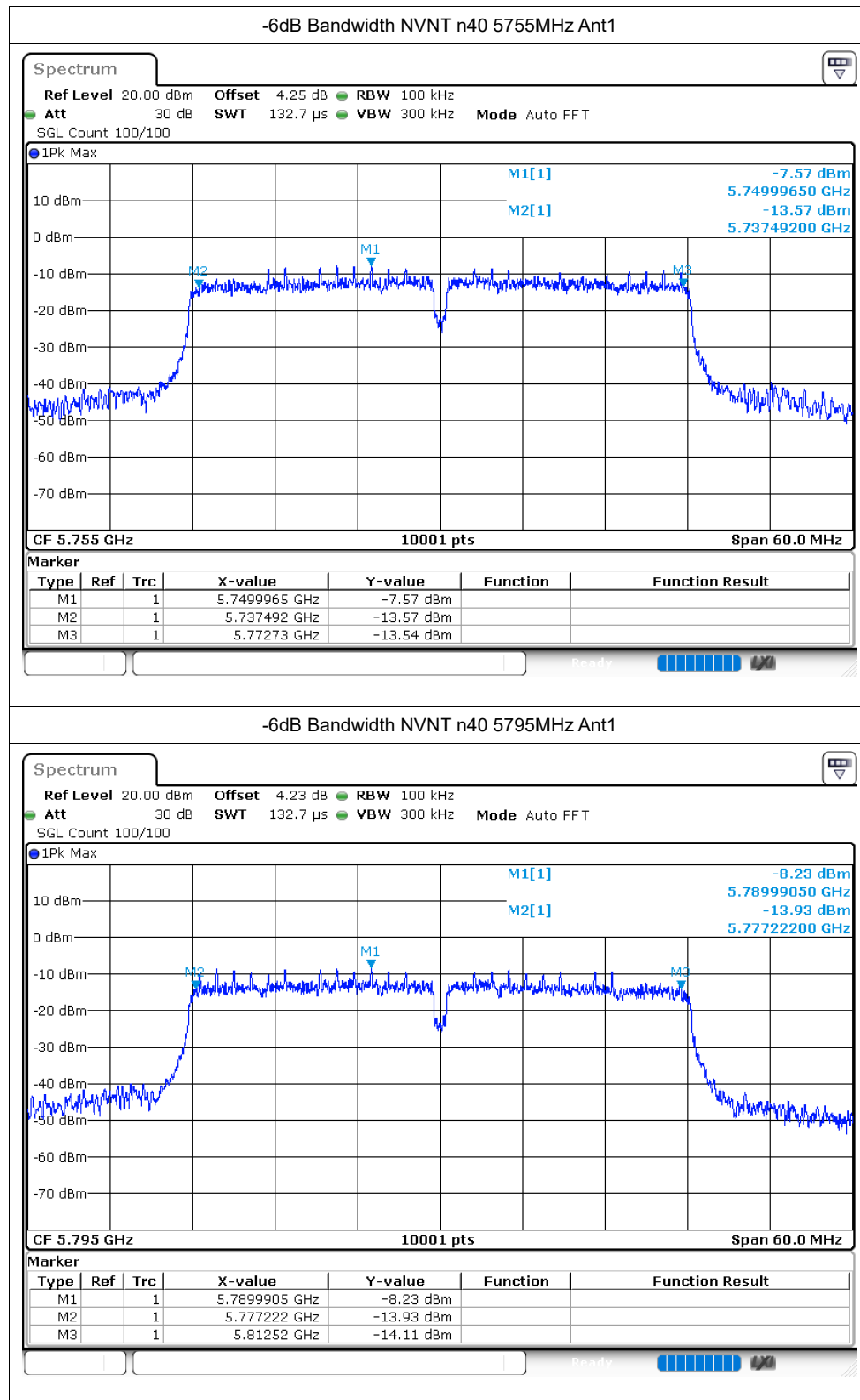


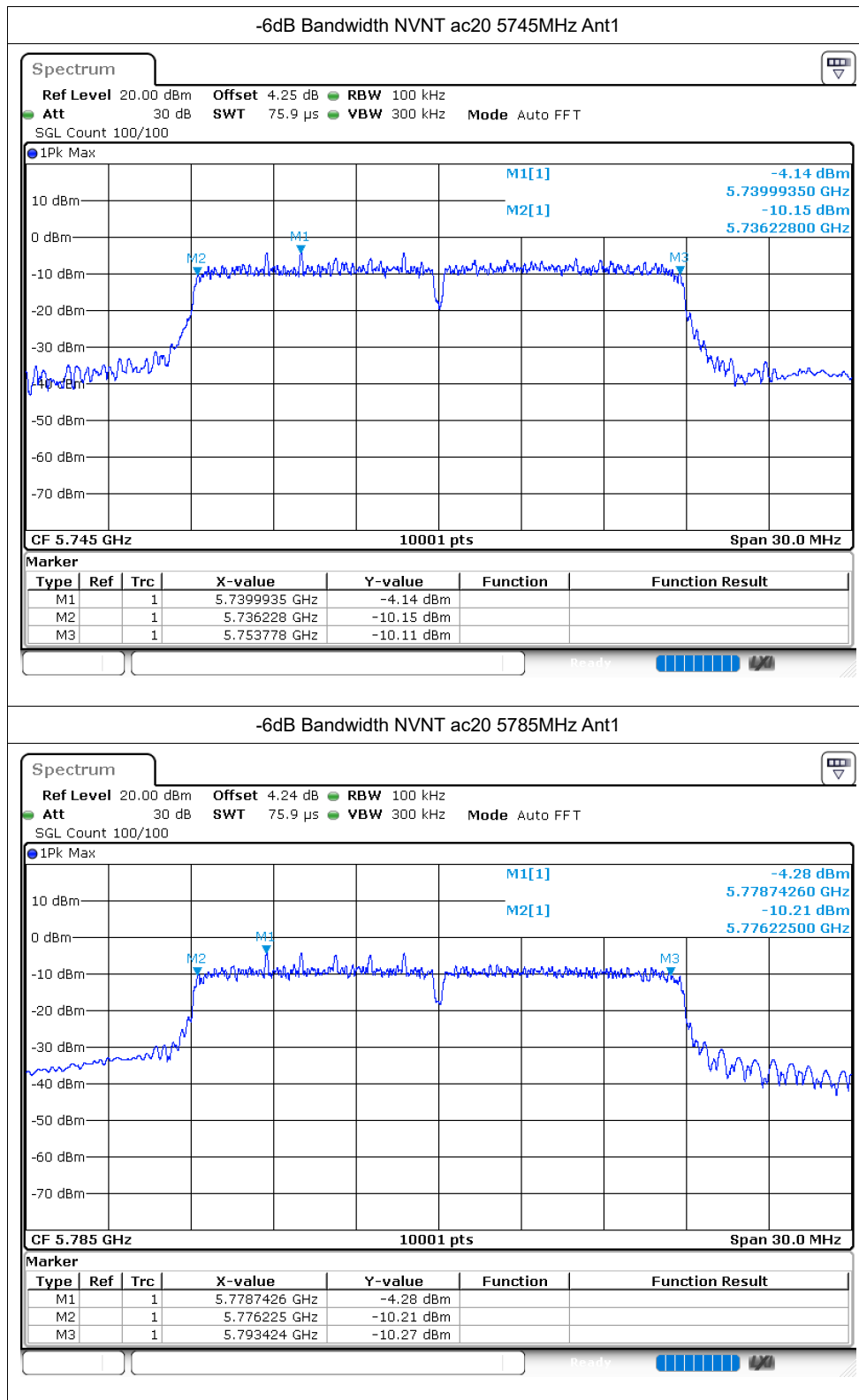
Marker

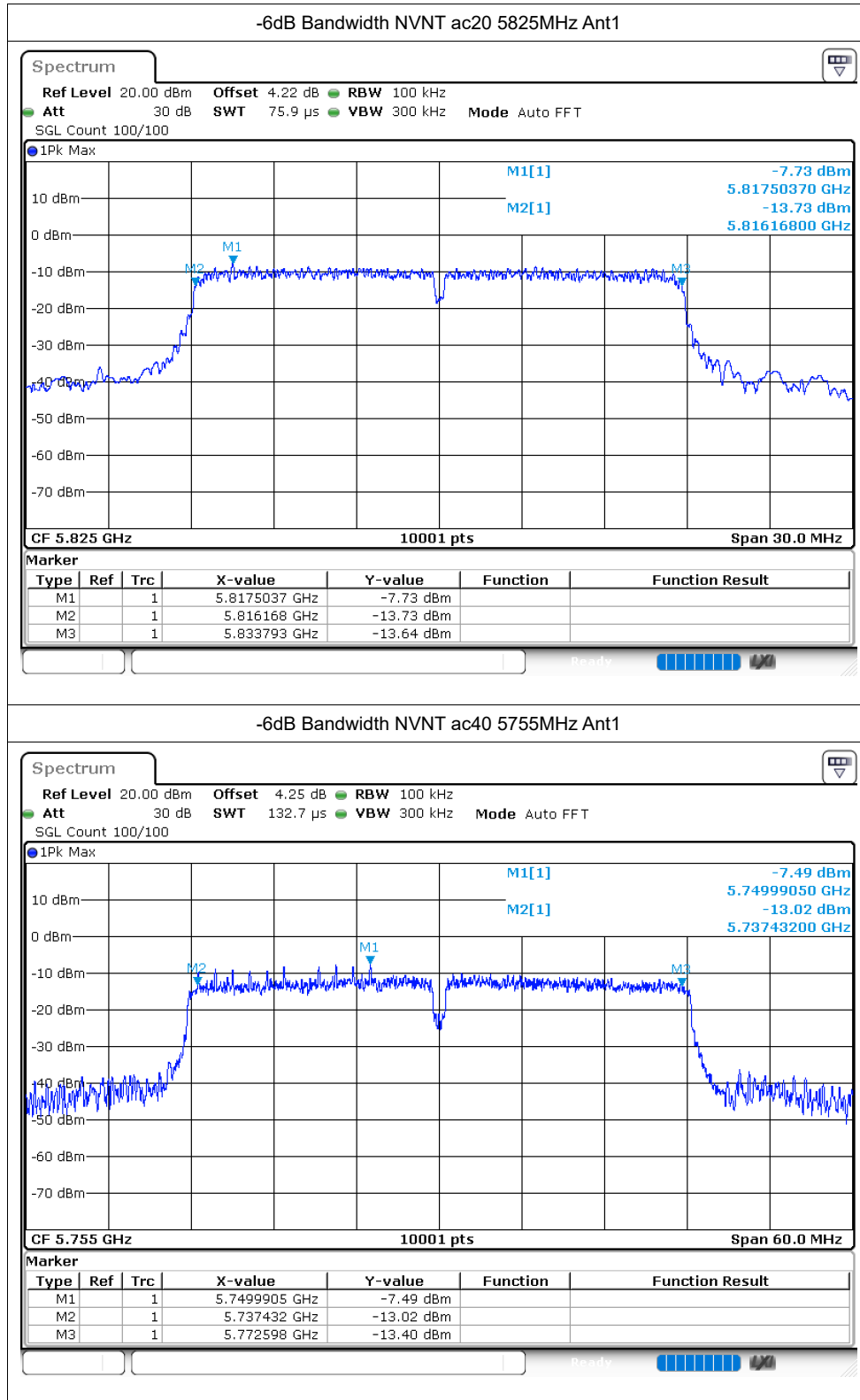
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.7875017 GHz	-4.73 dBm		
M2	1		5.776822 GHz	-10.71 dBm		
M3	1		5.793157 GHz	-10.57 dBm		

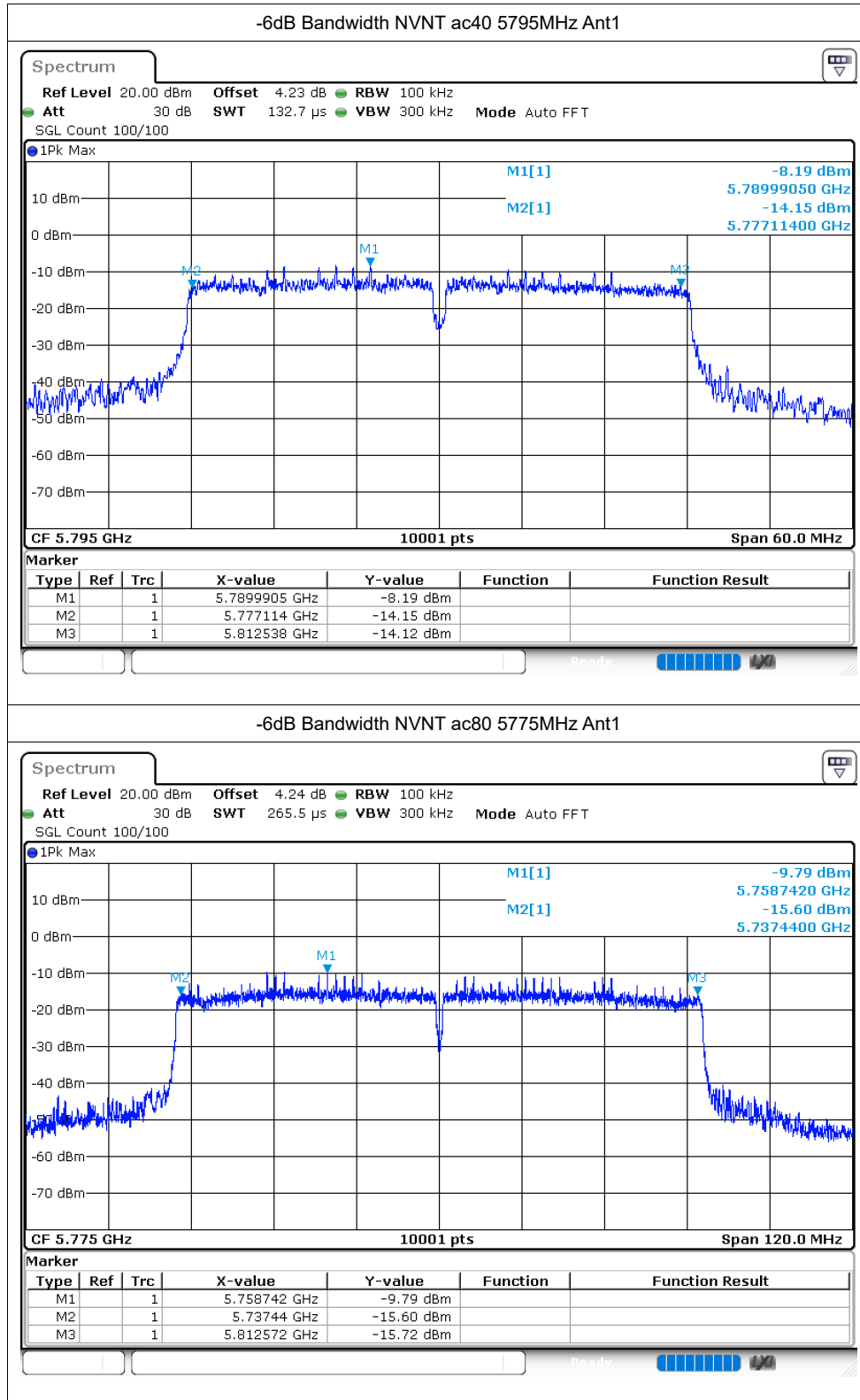










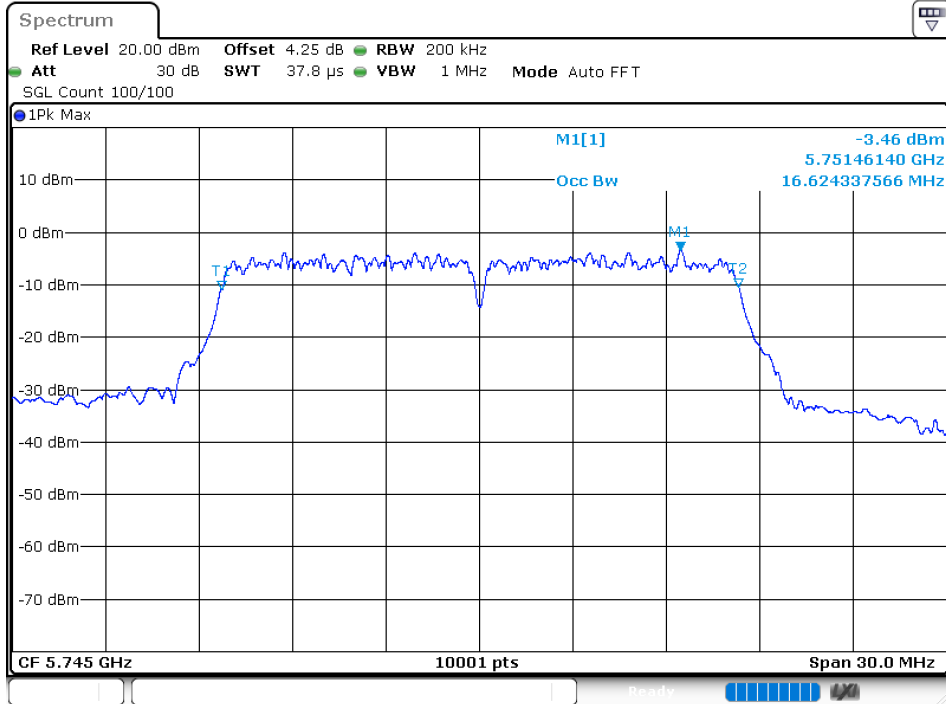


Occupied Channel Bandwidth

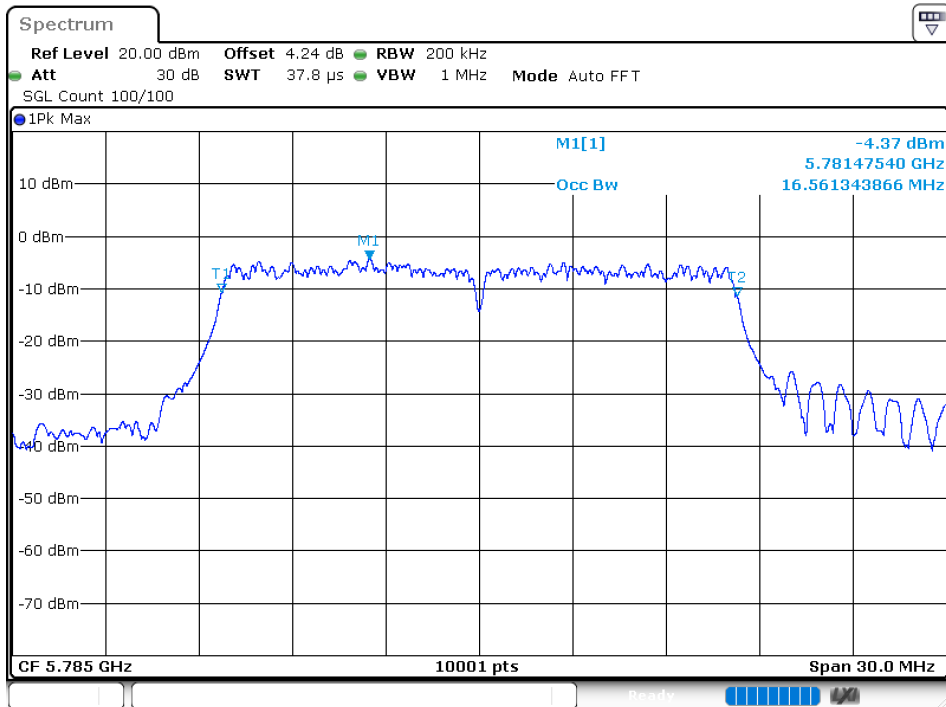
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.624
NVNT	a	5785	Ant1	16.561
NVNT	a	5825	Ant1	16.603
NVNT	n20	5745	Ant1	17.62
NVNT	n20	5785	Ant1	17.566
NVNT	n20	5825	Ant1	17.578
NVNT	n40	5755	Ant1	36.08
NVNT	n40	5795	Ant1	36.086
NVNT	ac20	5745	Ant1	17.575
NVNT	ac20	5785	Ant1	17.539
NVNT	ac20	5825	Ant1	17.557
NVNT	ac40	5755	Ant1	36.086
NVNT	ac40	5795	Ant1	36.098
NVNT	ac80	5775	Ant1	75.34

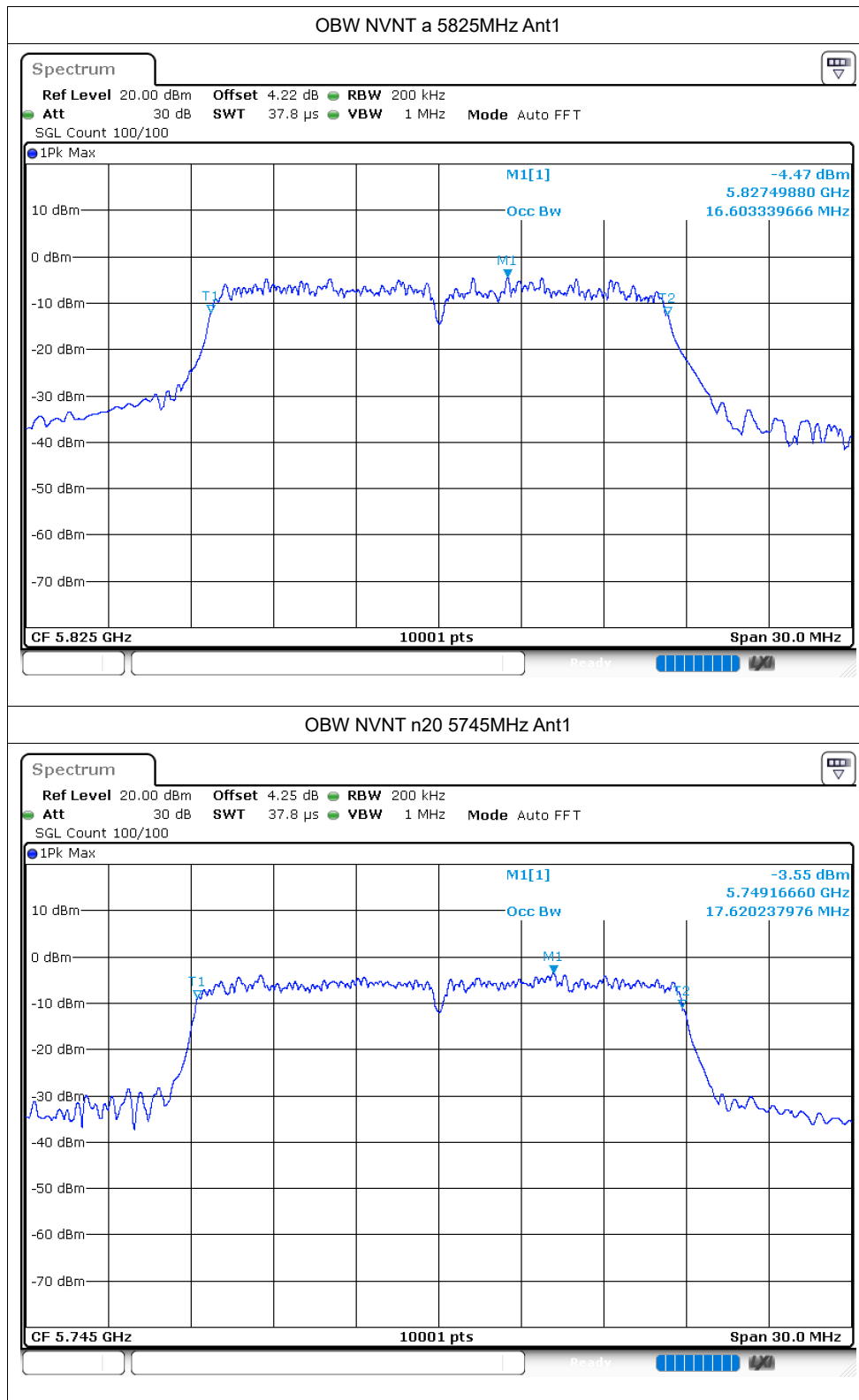
Test Graphs

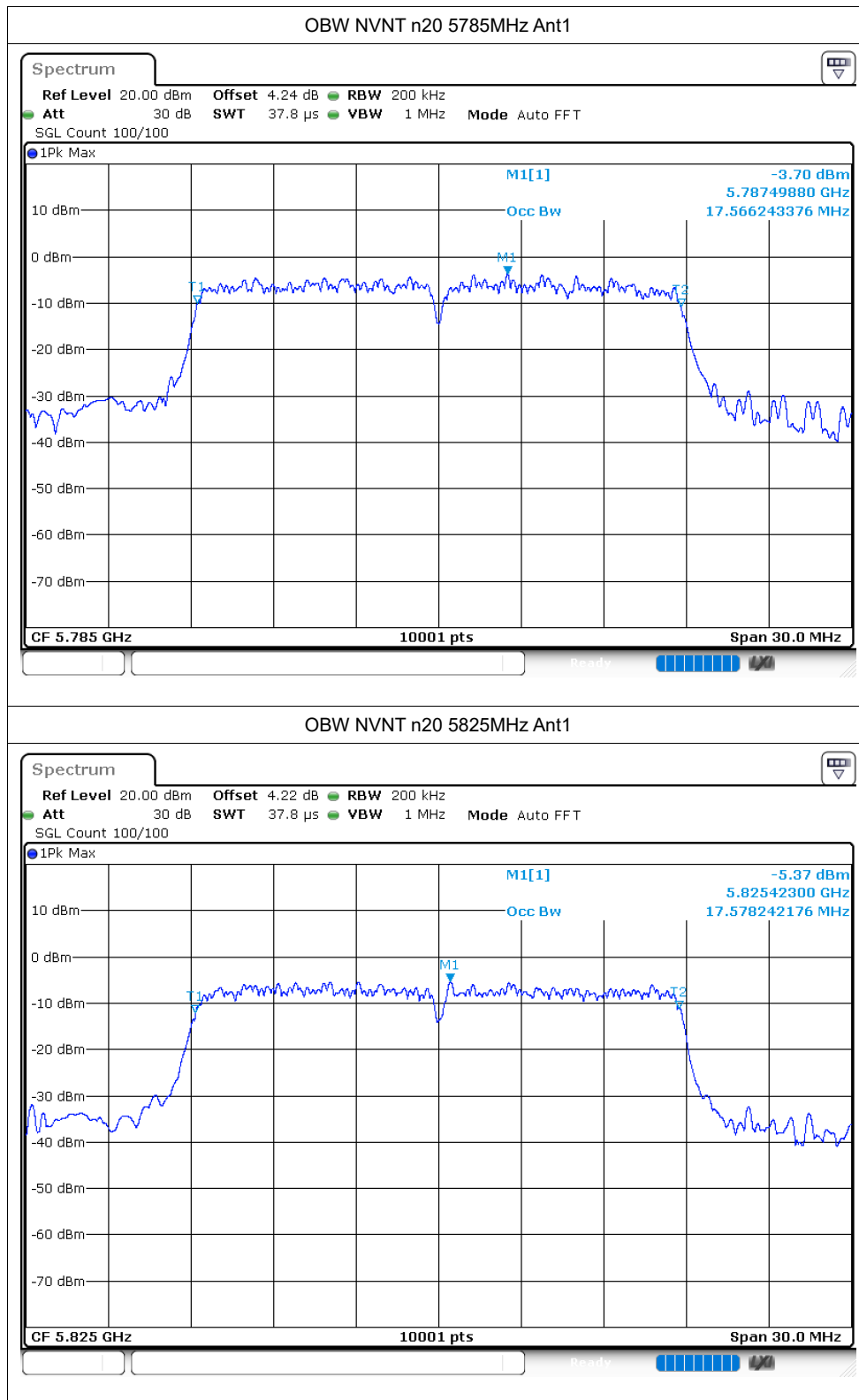
OBW NVNT a 5745MHz Ant1

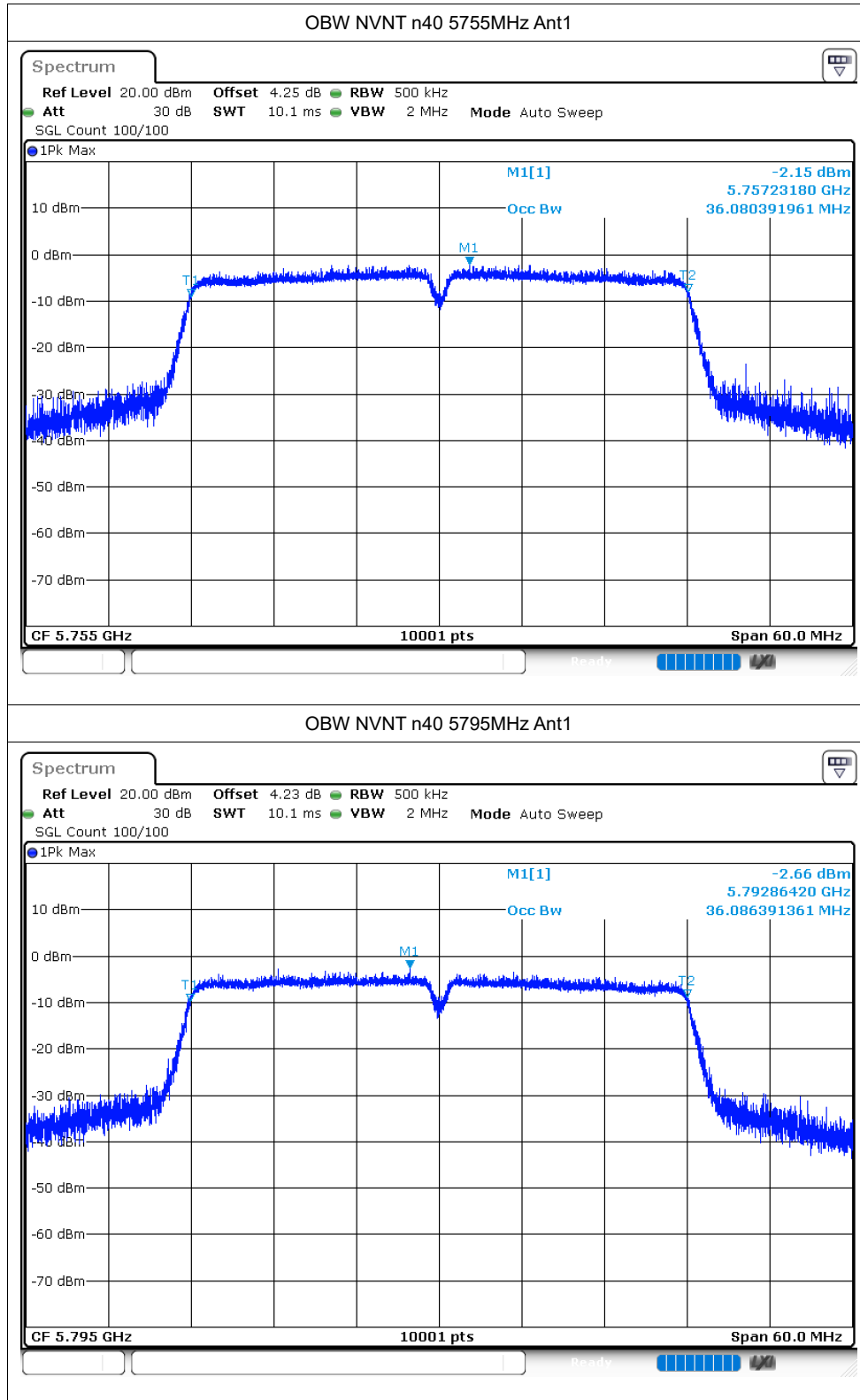


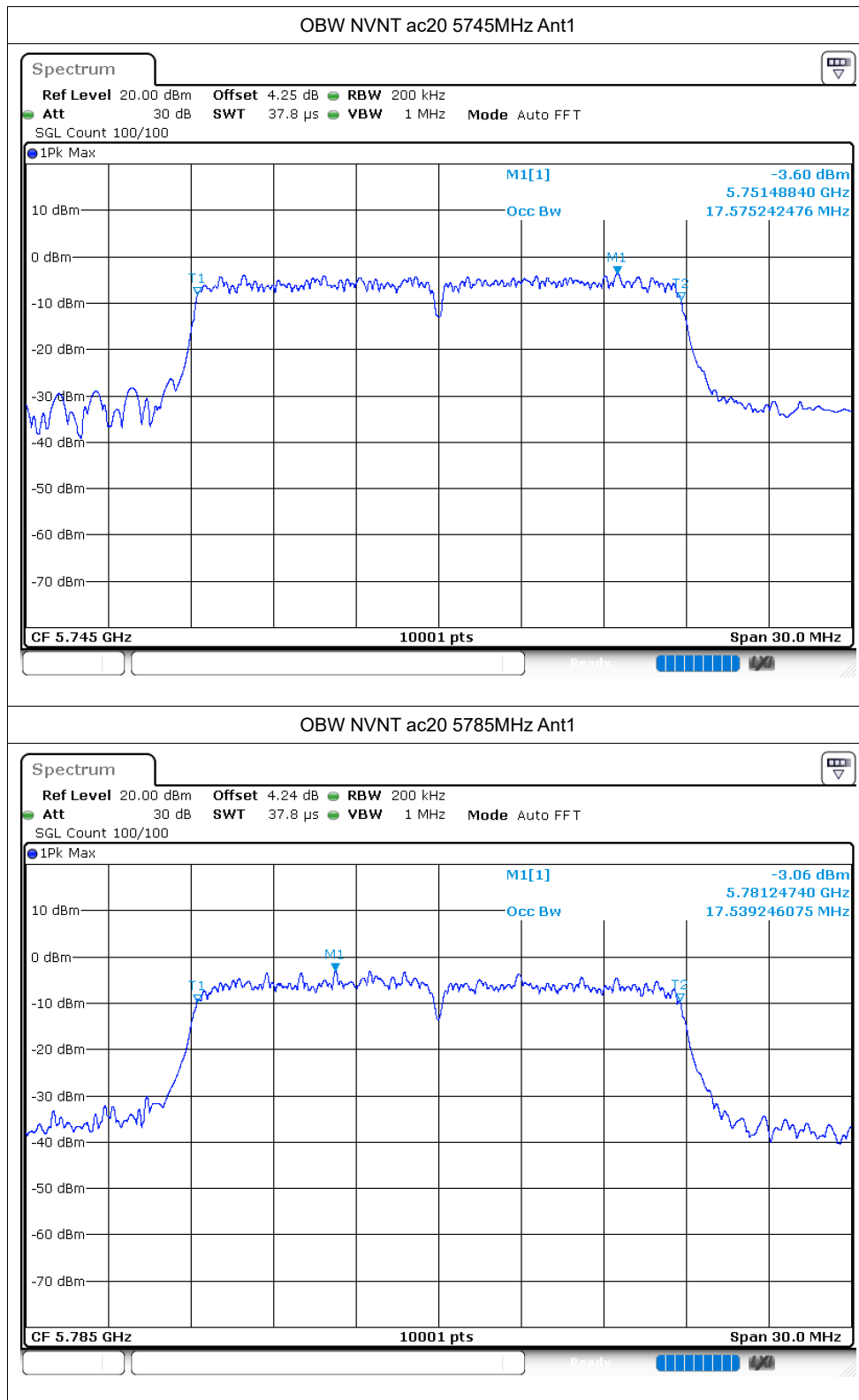
OBW NVNT a 5785MHz Ant1

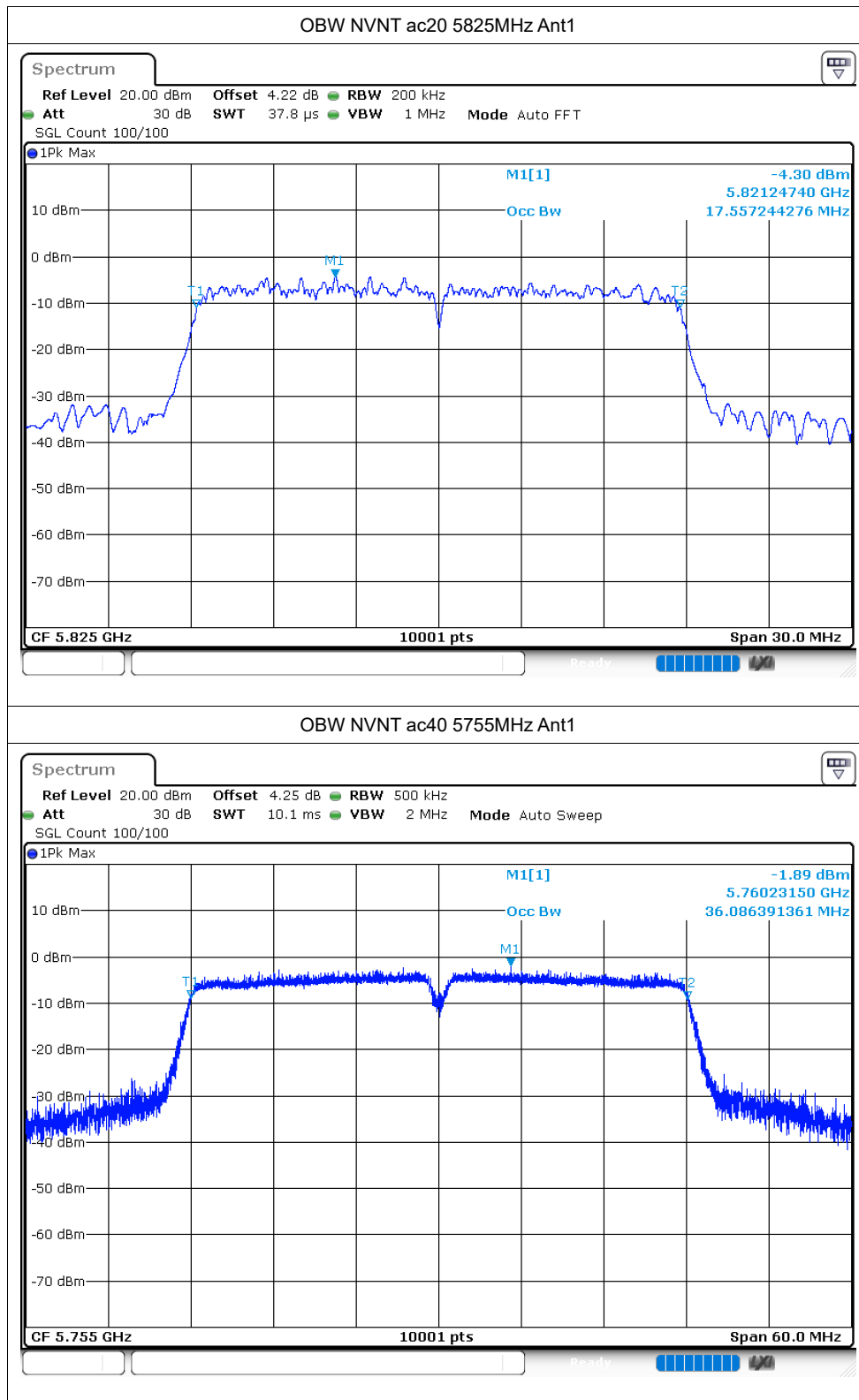


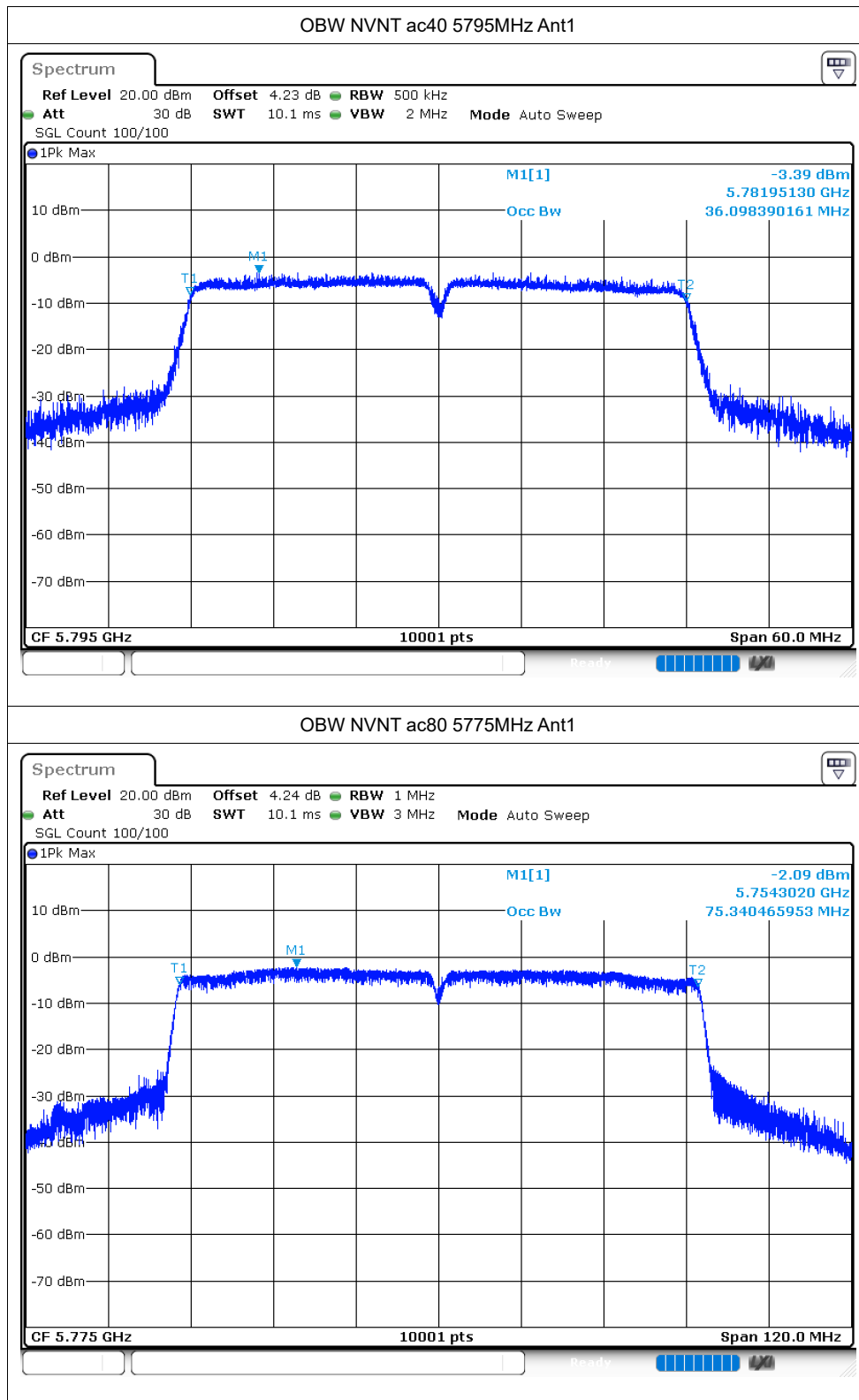










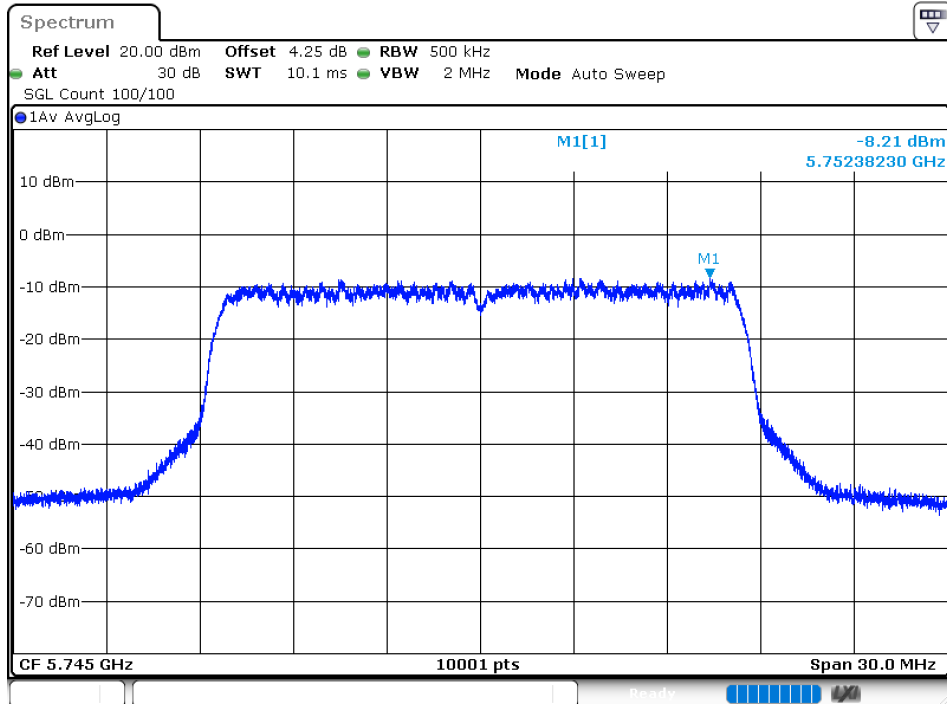


Maximum Power Spectral Density Level

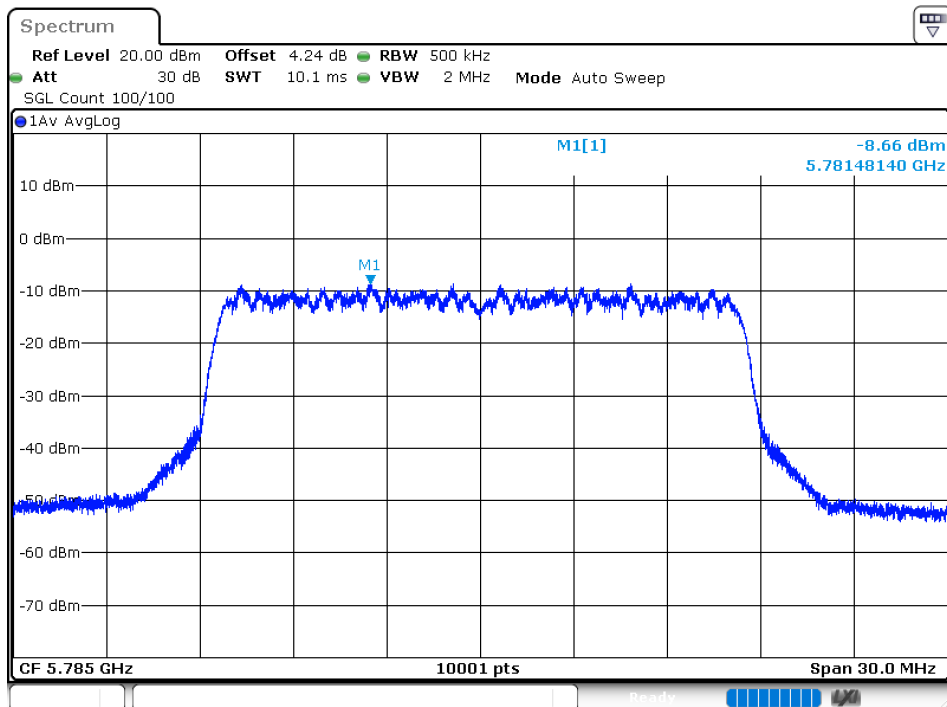
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-8.21	0.16	-8.05	30	Pass
NVNT	a	5785	Ant1	-8.66	0.16	-8.5	30	Pass
NVNT	a	5825	Ant1	-10.08	0.05	-10.03	30	Pass
NVNT	n20	5745	Ant1	-7.47	0.17	-7.3	30	Pass
NVNT	n20	5785	Ant1	-8.6	0.17	-8.43	30	Pass
NVNT	n20	5825	Ant1	-9.39	0.17	-9.22	30	Pass
NVNT	n40	5755	Ant1	-13.04	0.34	-12.7	30	Pass
NVNT	n40	5795	Ant1	-14.16	0.11	-14.05	30	Pass
NVNT	ac20	5745	Ant1	-7.96	0.17	-7.79	30	Pass
NVNT	ac20	5785	Ant1	-8.22	0.17	-8.05	30	Pass
NVNT	ac20	5825	Ant1	-9.82	0.17	-9.65	30	Pass
NVNT	ac40	5755	Ant1	-12.03	0.33	-11.7	30	Pass
NVNT	ac40	5795	Ant1	-13.13	0.33	-12.8	30	Pass
NVNT	ac80	5775	Ant1	-19.69	0.63	-19.06	30	Pass

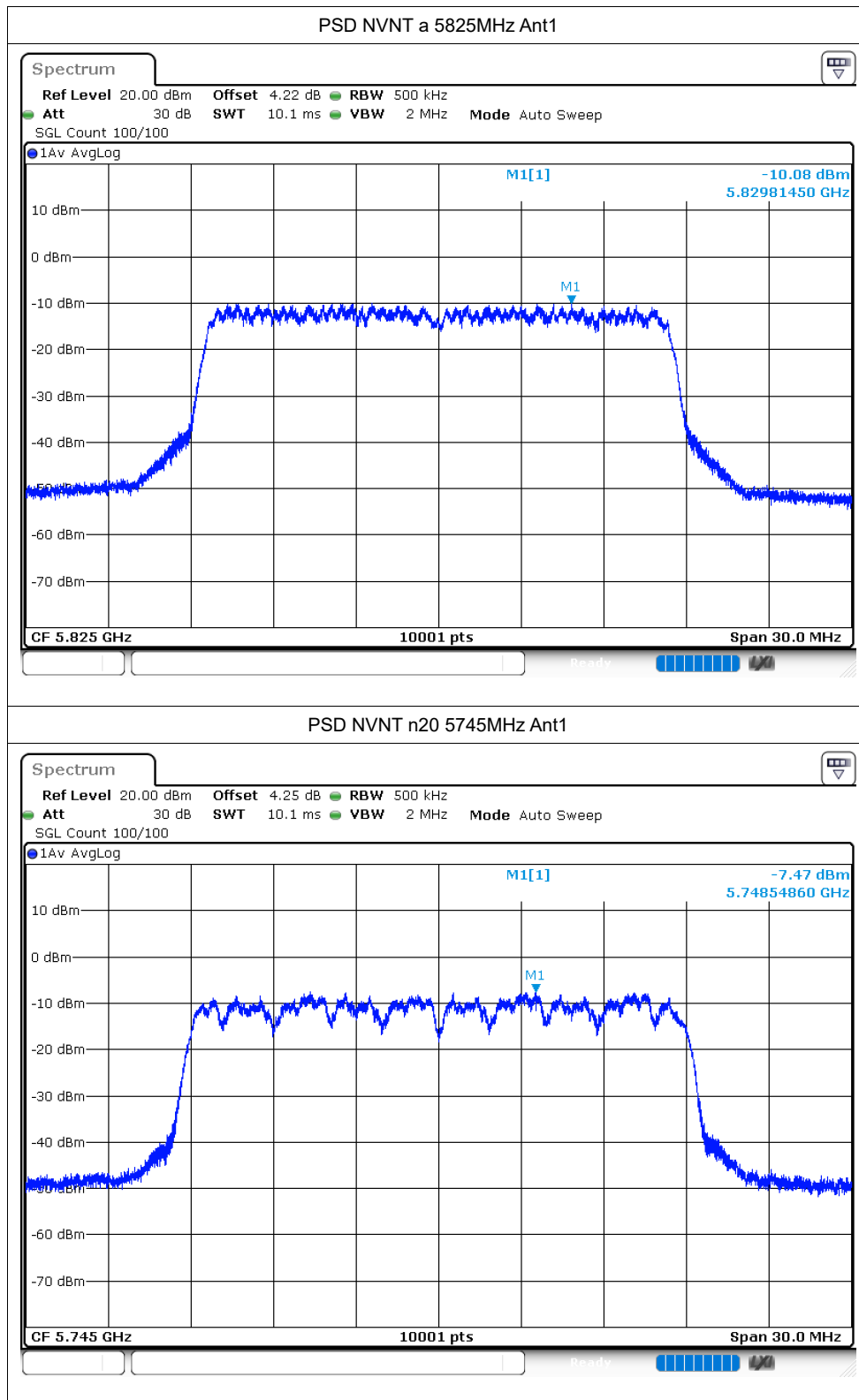
Test Graphs

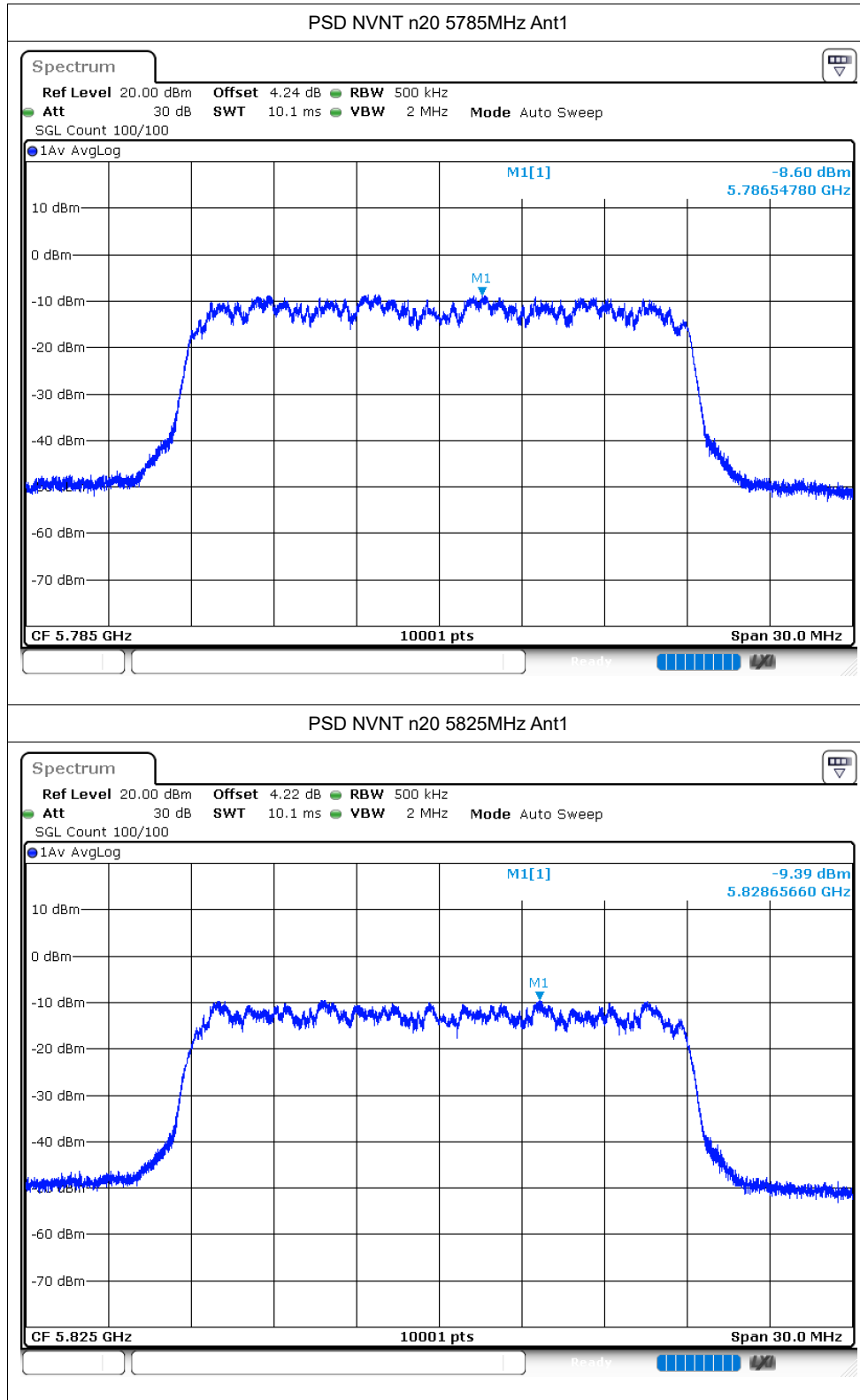
PSD NVNT a 5745MHz Ant1

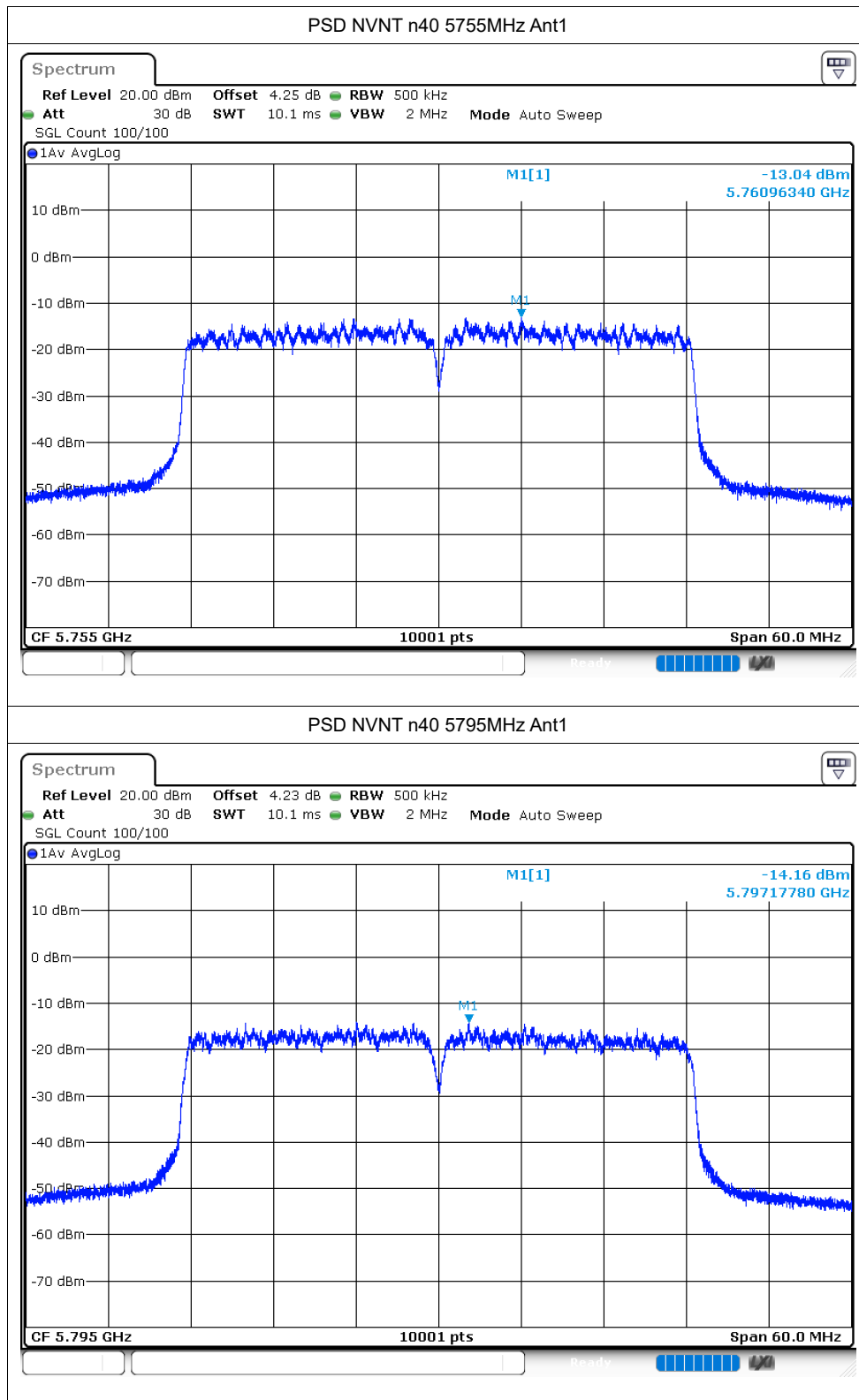


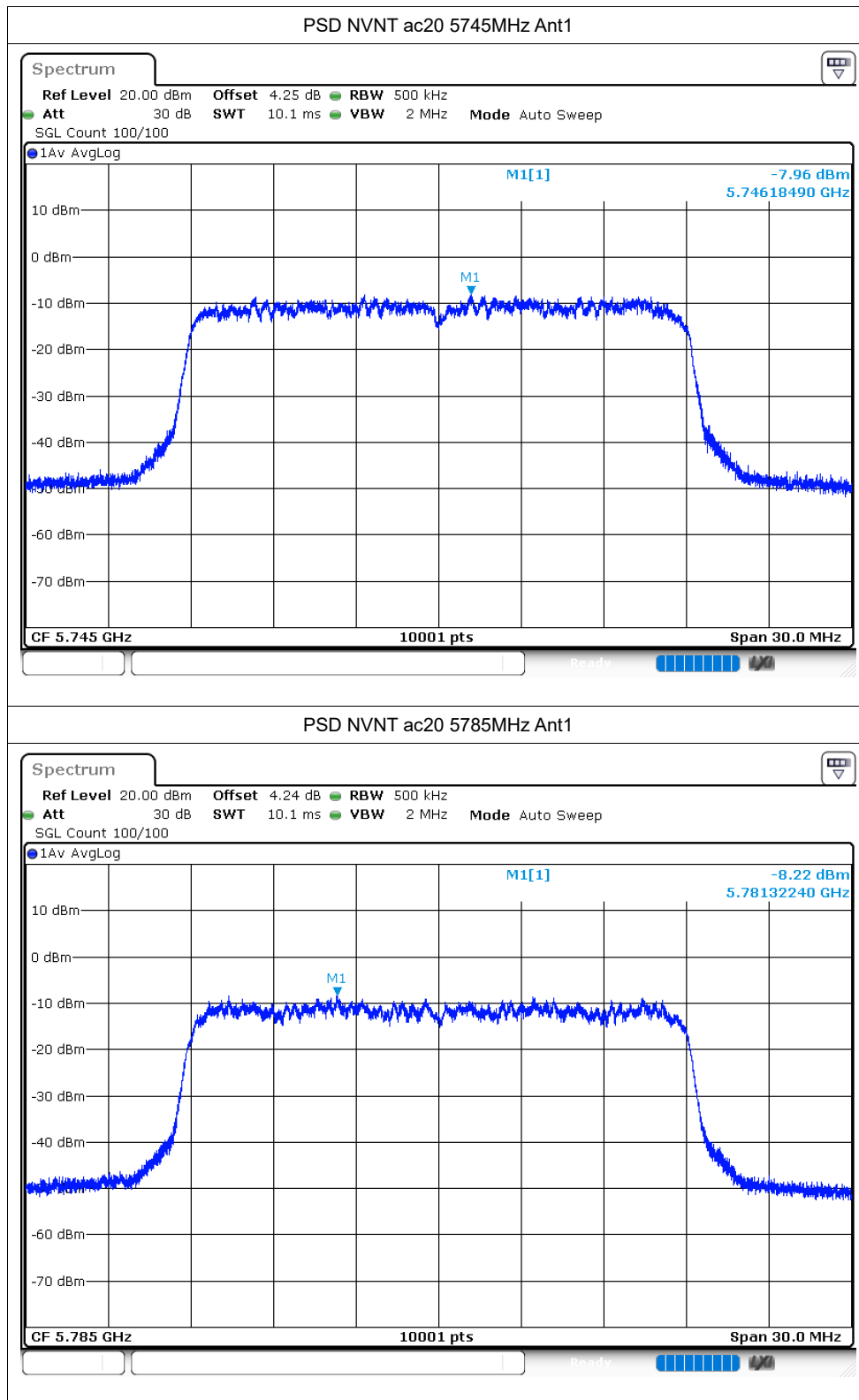
PSD NVNT a 5785MHz Ant1

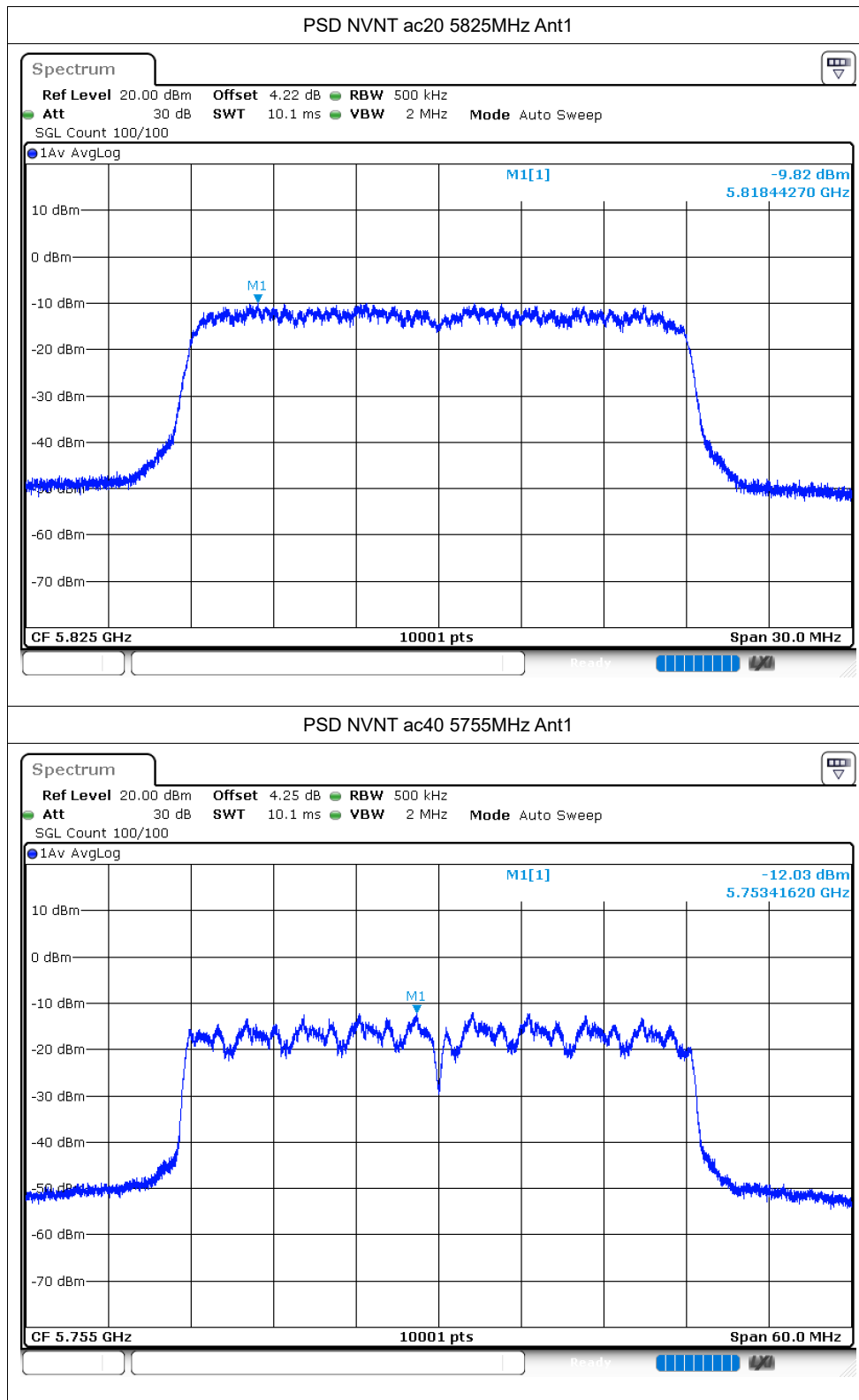


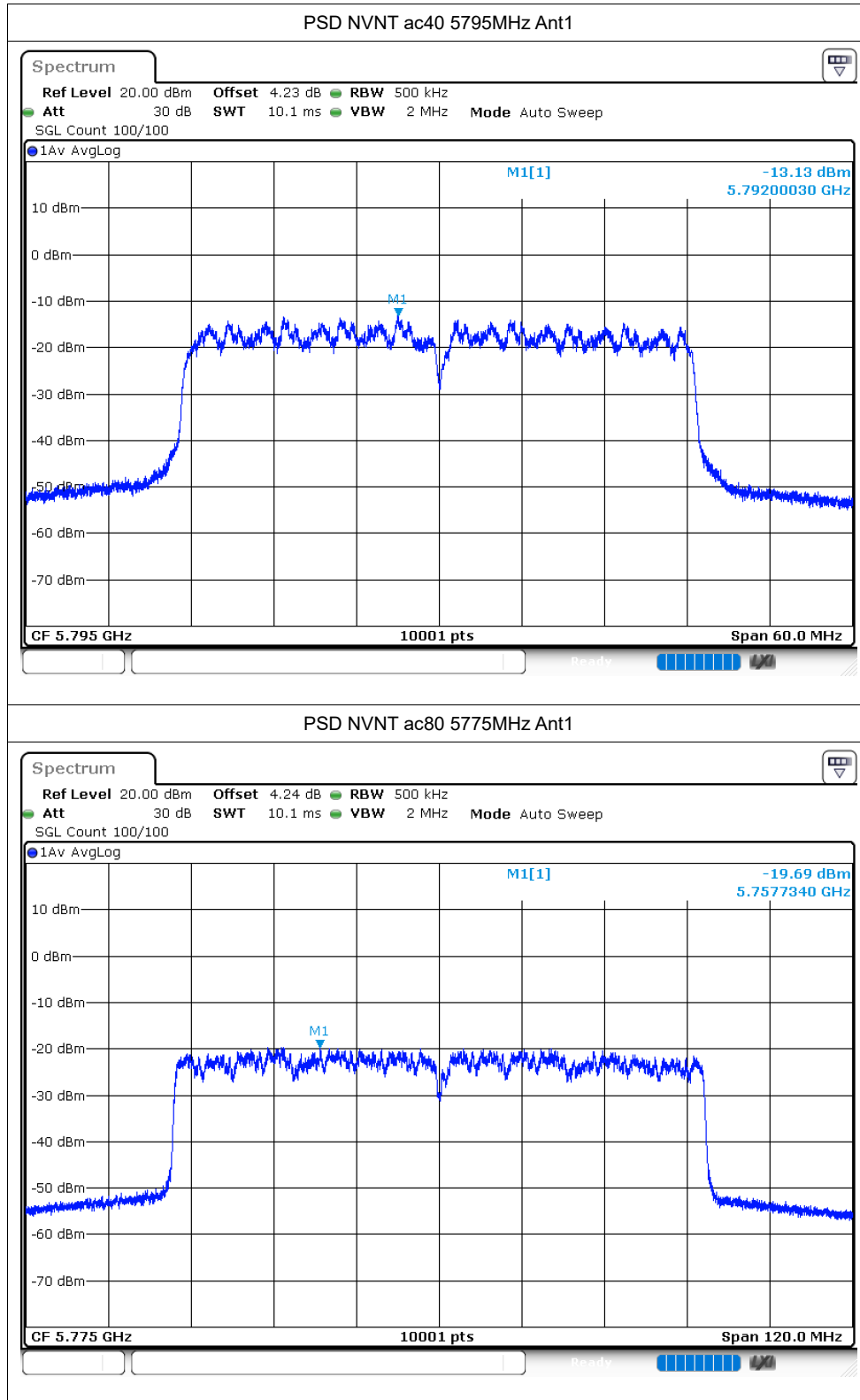












Band Edge

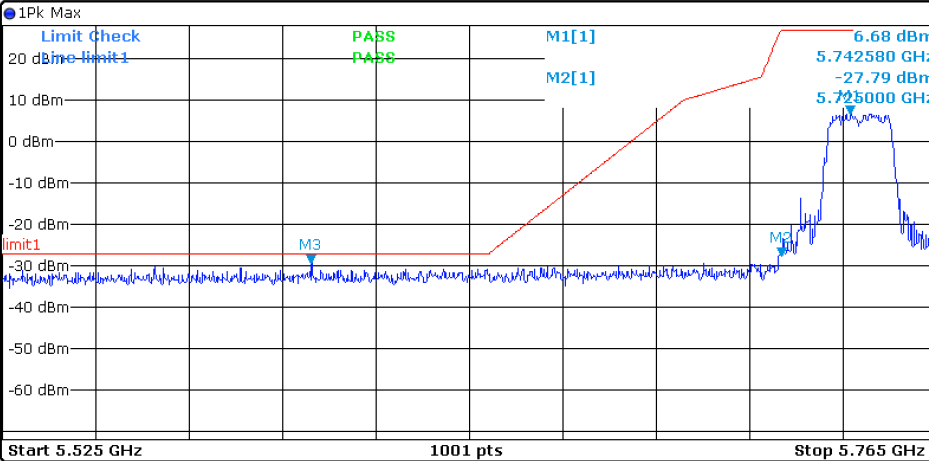
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-29.39	-27	Pass
NVNT	a	5825	Ant1	-28.78	-27	Pass
NVNT	n20	5745	Ant1	-29.21	-27	Pass
NVNT	n20	5825	Ant1	-28.45	-27	Pass
NVNT	n40	5755	Ant1	-29.87	-27	Pass
NVNT	n40	5795	Ant1	-28.74	-27	Pass
NVNT	ac20	5745	Ant1	-30.05	-27	Pass
NVNT	ac20	5825	Ant1	-27.75	-27	Pass
NVNT	ac40	5755	Ant1	-30.19	-27	Pass
NVNT	ac40	5795	Ant1	-29.06	-27	Pass
NVNT	ac80	5755	Ant1	-29.15	-27	Pass
NVNT	ac80	5755	Ant1	-28.97	-27	Pass

Test Graphs

Band Edge NVNT a 5745MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.68 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100



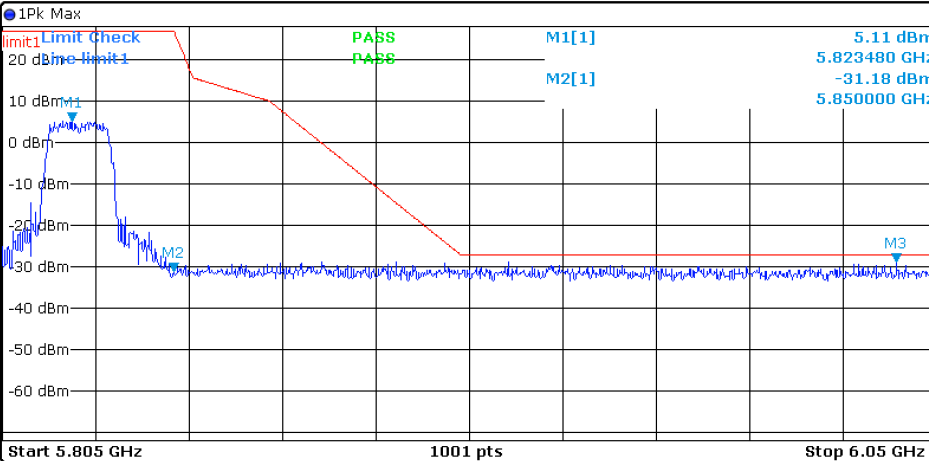
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.74258 GHz	6.68 dBm		
M2	1		5.725 GHz	-27.79 dBm		
M3	1		5.60444 GHz	-29.39 dBm		

Band Edge NVNT a 5825MHz High Ant1

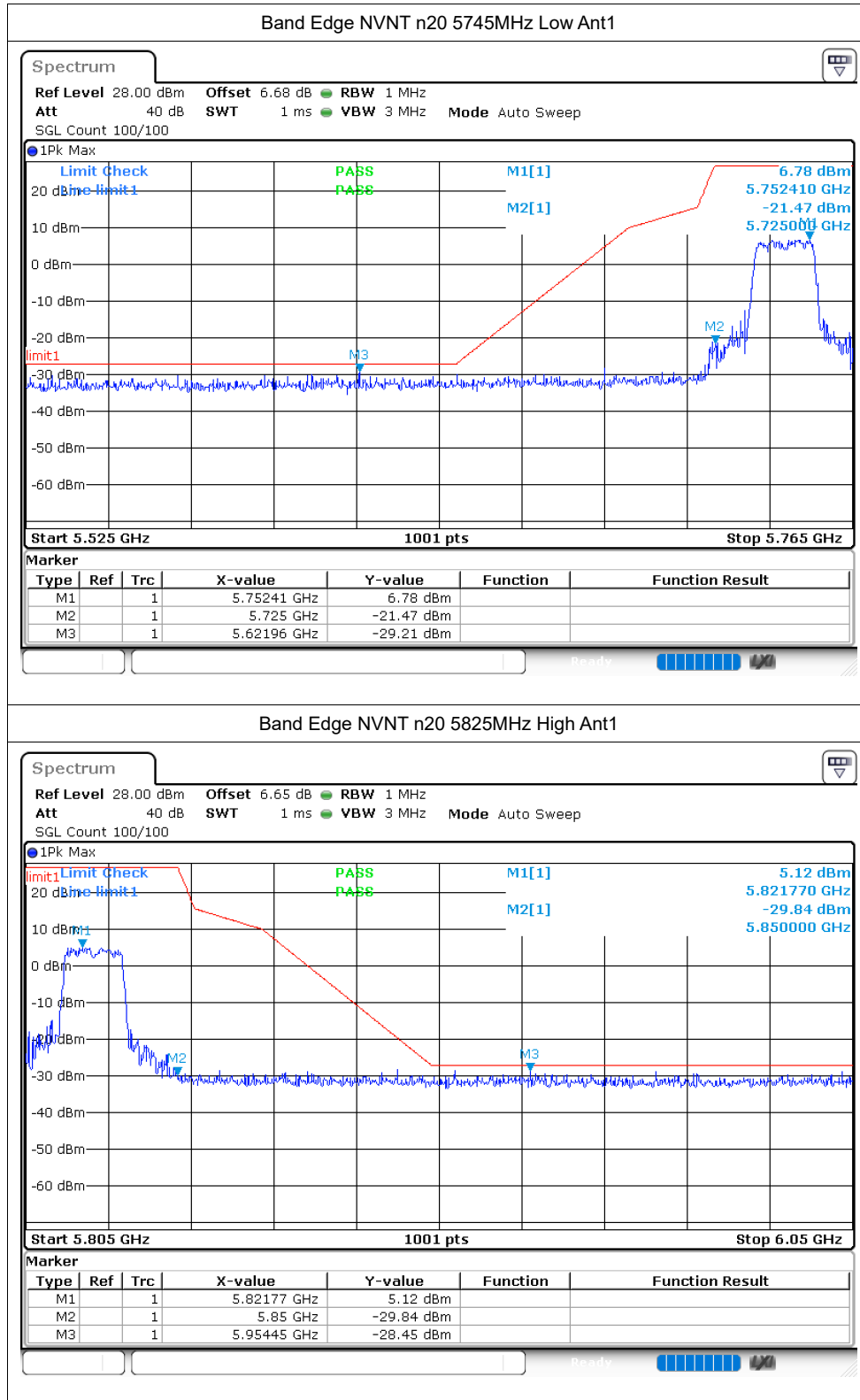
Spectrum

Ref Level 28.00 dBm Offset 6.65 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.82348 GHz	5.11 dBm		
M2	1		5.85 GHz	-31.18 dBm		
M3	1		6.039465 GHz	-28.78 dBm		

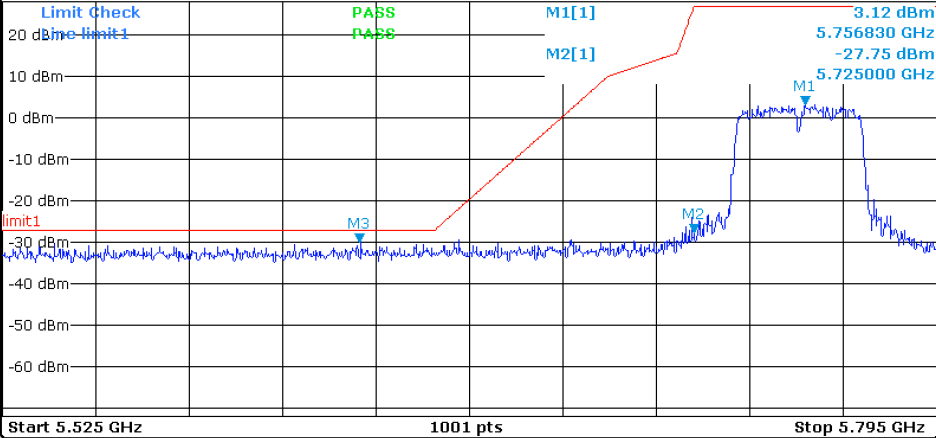


Band Edge NVNT n40 5755MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.68 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



Marker

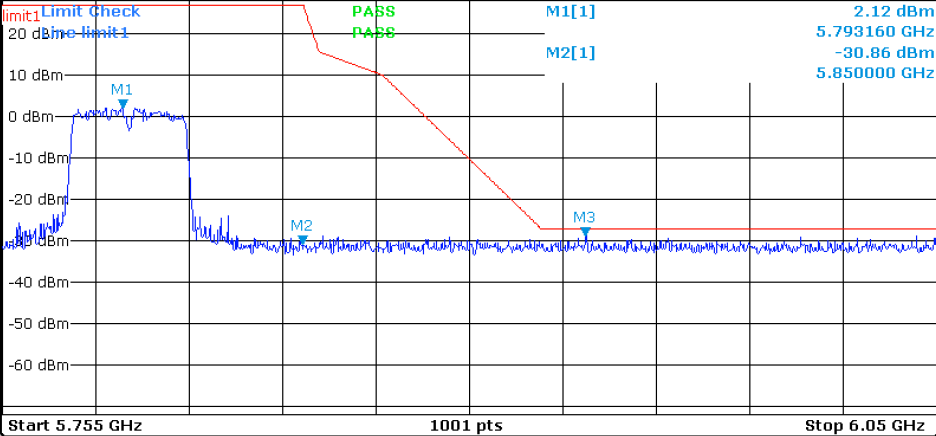
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.75683 GHz	3.12 dBm		
M2	1		5.725 GHz	-27.75 dBm		
M3	1		5.62841 GHz	-29.88 dBm		

Band Edge NVNT n40 5795MHz High Ant1

Spectrum

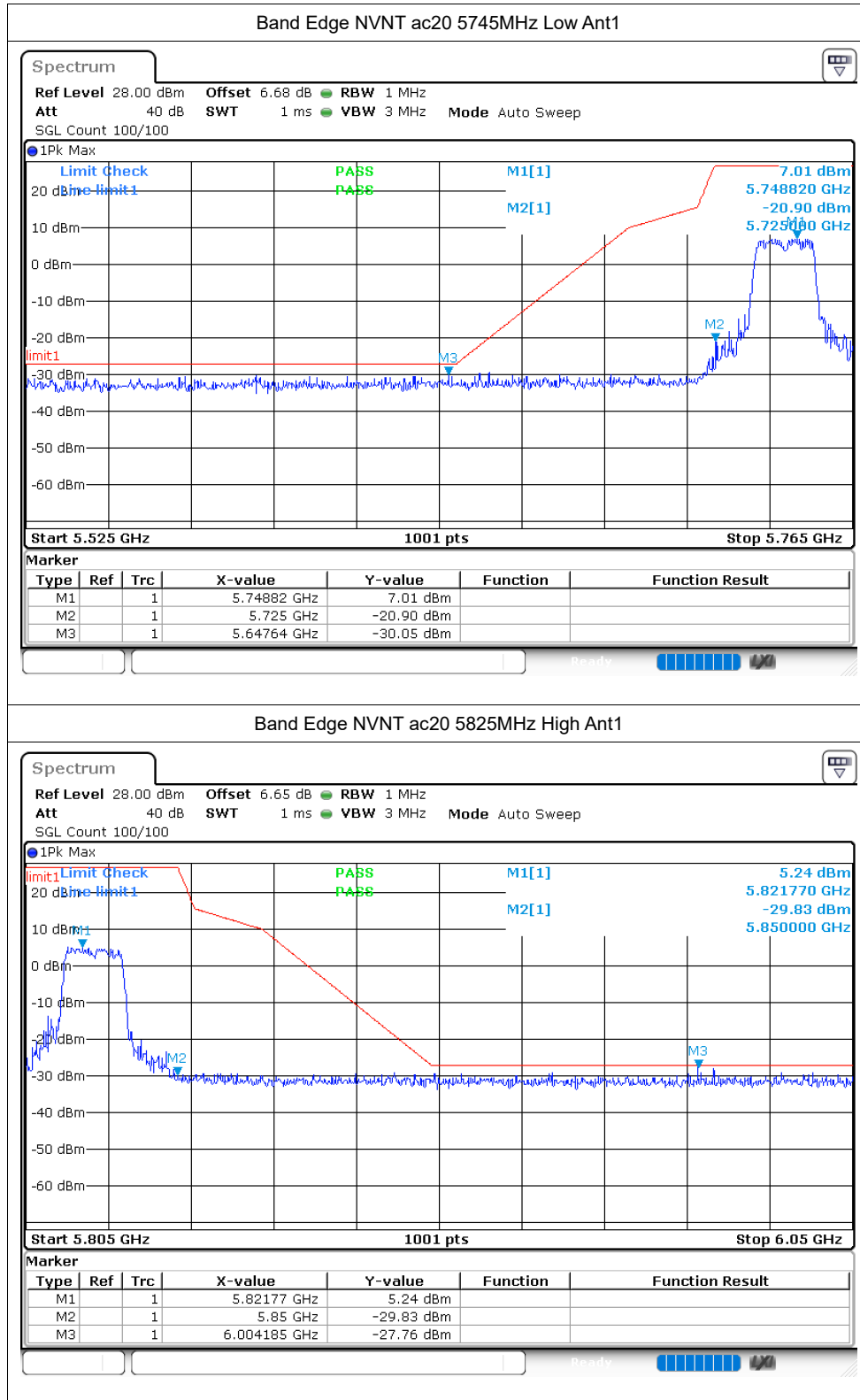
Ref Level 28.00 dBm Offset 6.66 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

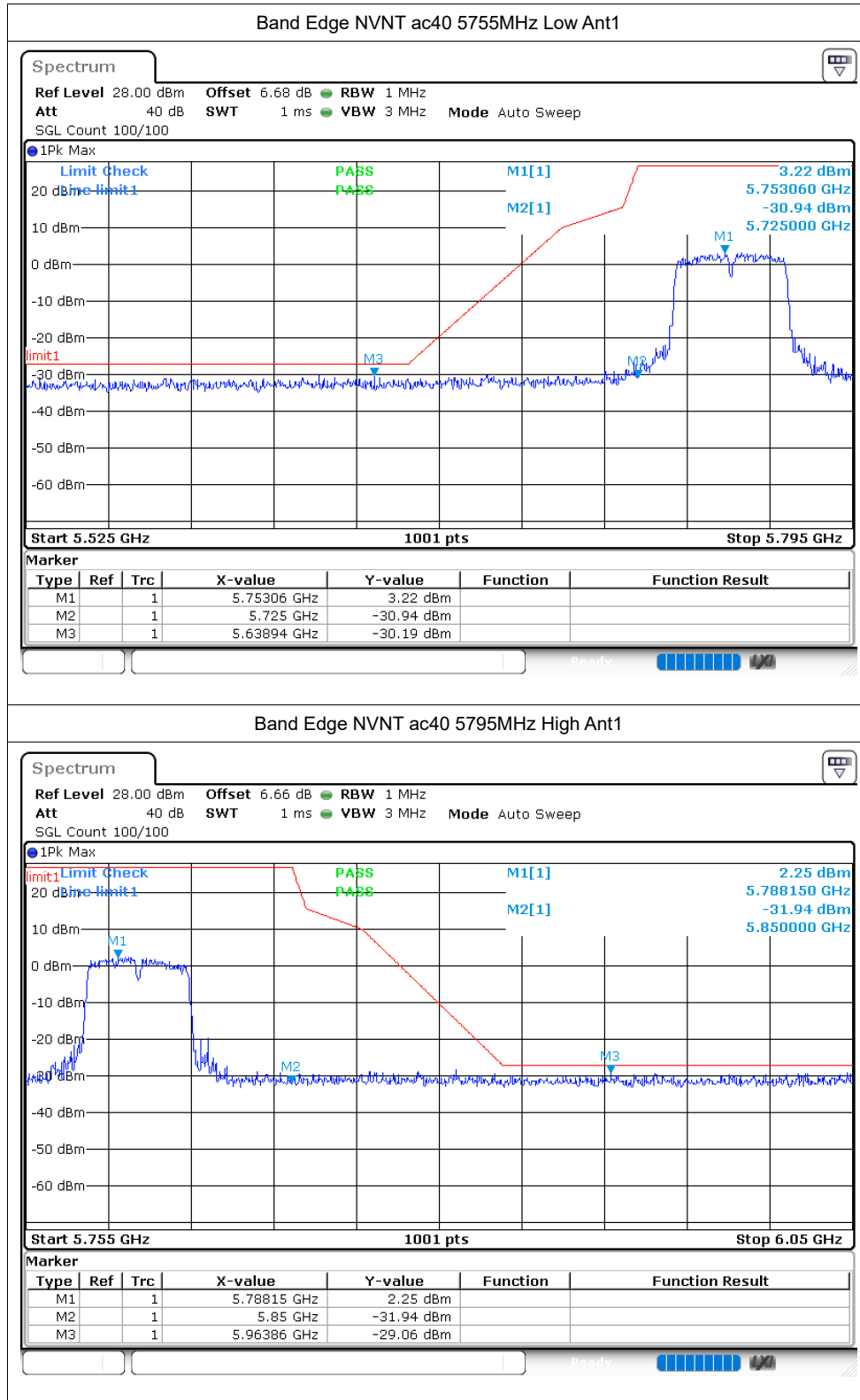
1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.79316 GHz	2.12 dBm		
M2	1		5.85 GHz	-30.86 dBm		
M3	1		5.93908 GHz	-28.74 dBm		



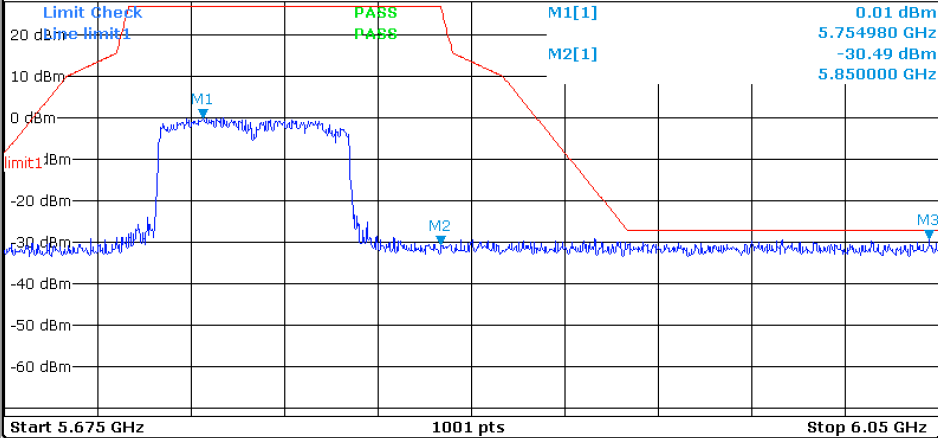


Band Edge NVNT ac80 5755MHz High Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.68 dB RBW 1 MHz
Att 40 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
SGL Count 100/100

1Pk Max



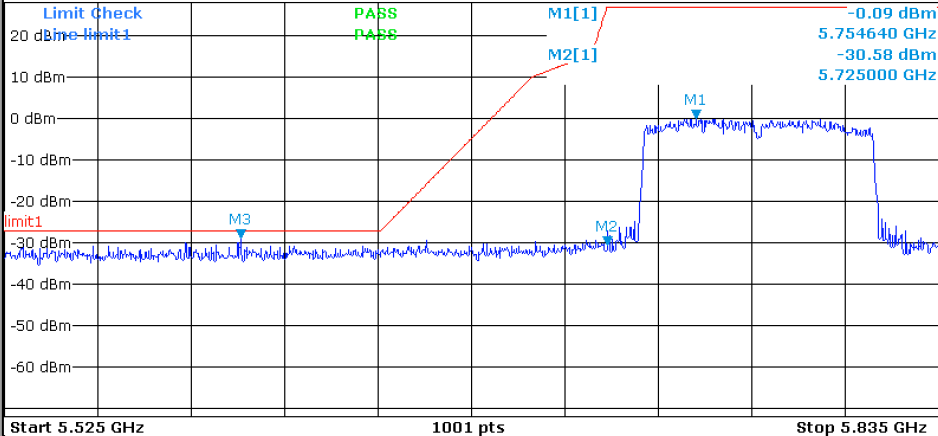
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1	1	5.75498 GHz	0.01 dBm		
M2	1	1	5.85 GHz	-30.49 dBm		
M3	1	1	6.04625 GHz	-29.16 dBm		

Band Edge NVNT ac80 5755MHz Low Ant1

Spectrum

Ref Level 28.00 dBm Offset 6.68 dB RBW 1 MHz
Att 40 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	1	5.75464 GHz	-0.09 dBm		
M2	1	1	5.725 GHz	-30.58 dBm		
M3	1	1	5.60343 GHz	-28.97 dBm		

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-30.5	-27	Pass
NVNT	a	5785	Ant1	-31.34	-27	Pass
NVNT	a	5825	Ant1	-31.61	-27	Pass
NVNT	n20	5745	Ant1	-31.49	-27	Pass
NVNT	n20	5785	Ant1	-31.66	-27	Pass
NVNT	n20	5825	Ant1	-30.79	-27	Pass
NVNT	n40	5755	Ant1	-32.05	-27	Pass
NVNT	n40	5795	Ant1	-31.95	-27	Pass
NVNT	ac20	5745	Ant1	-32.13	-27	Pass
NVNT	ac20	5785	Ant1	-31.69	-27	Pass
NVNT	ac20	5825	Ant1	-31.47	-27	Pass
NVNT	ac40	5755	Ant1	-32.01	-27	Pass
NVNT	ac40	5795	Ant1	-32	-27	Pass
NVNT	ac80	5775	Ant1	-32.06	-27	Pass

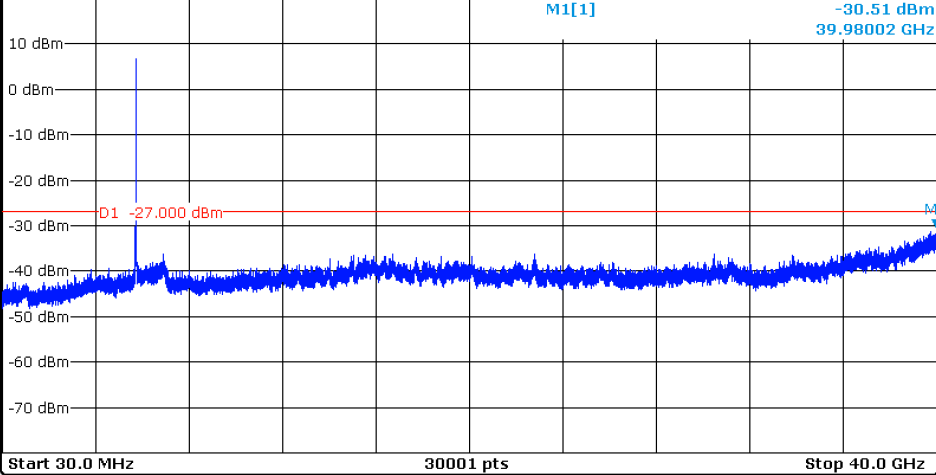
Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission

Spectrum

Ref Level 20.00 dBm Offset 6.68 dB RBW 1 MHz
Att 30 dB SWT 160 ms VBW 3 MHz Mode Auto Sweep
SGL Count 30/30

1Pk Max



Marker

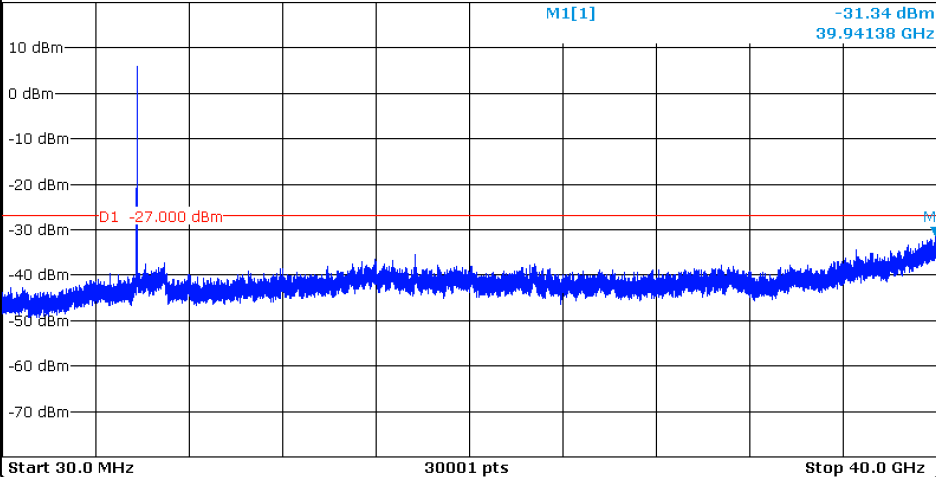
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	39.98002 GHz	-30.51 dBm		

Tx. Spurious NVNT a 5785MHz Ant1 Emission

Spectrum

Ref Level 20.00 dBm Offset 6.67 dB RBW 1 MHz
Att 30 dB SWT 160 ms VBW 3 MHz Mode Auto Sweep
SGL Count 10/10

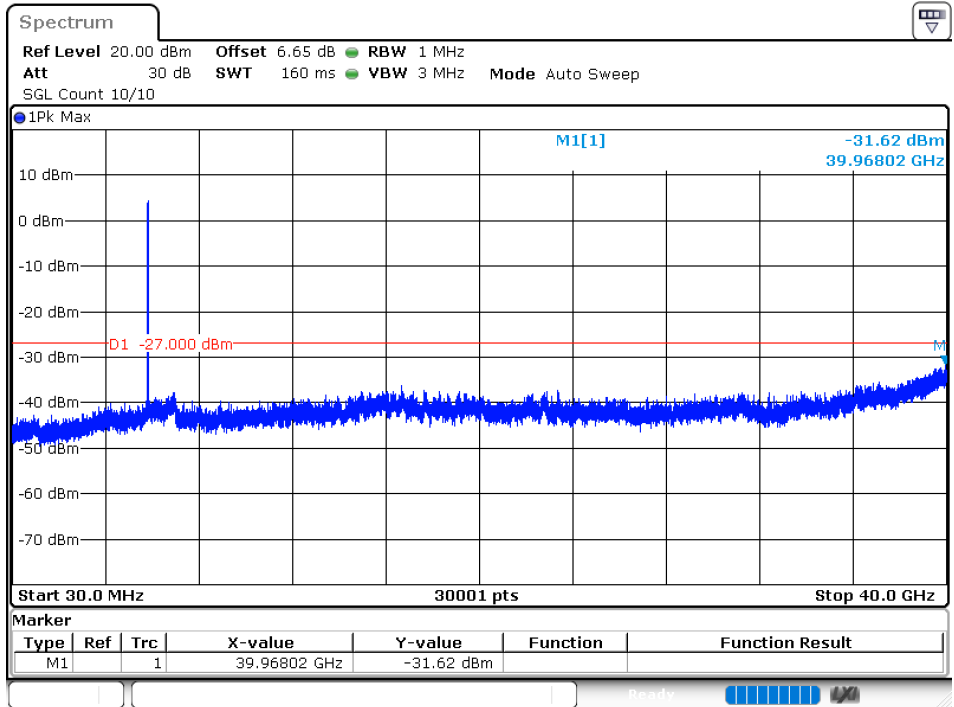
1Pk Max



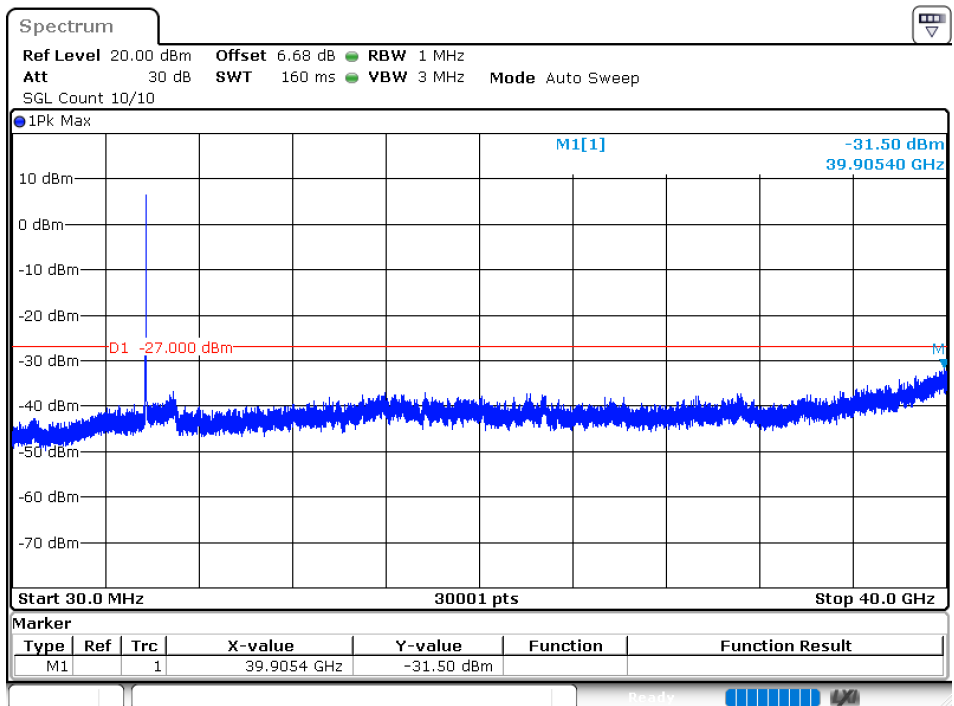
Marker

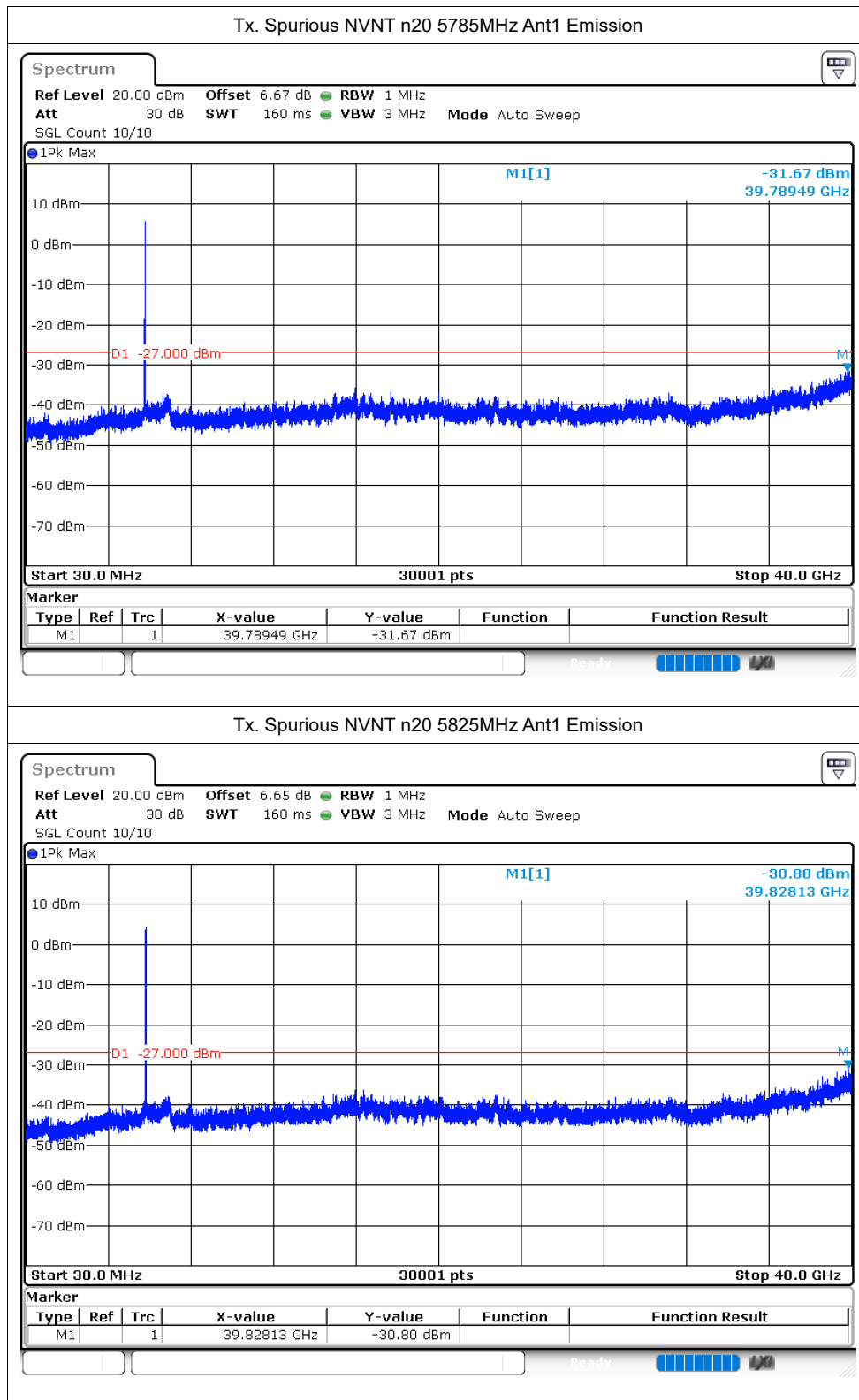
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	39.94138 GHz	-31.34 dBm		

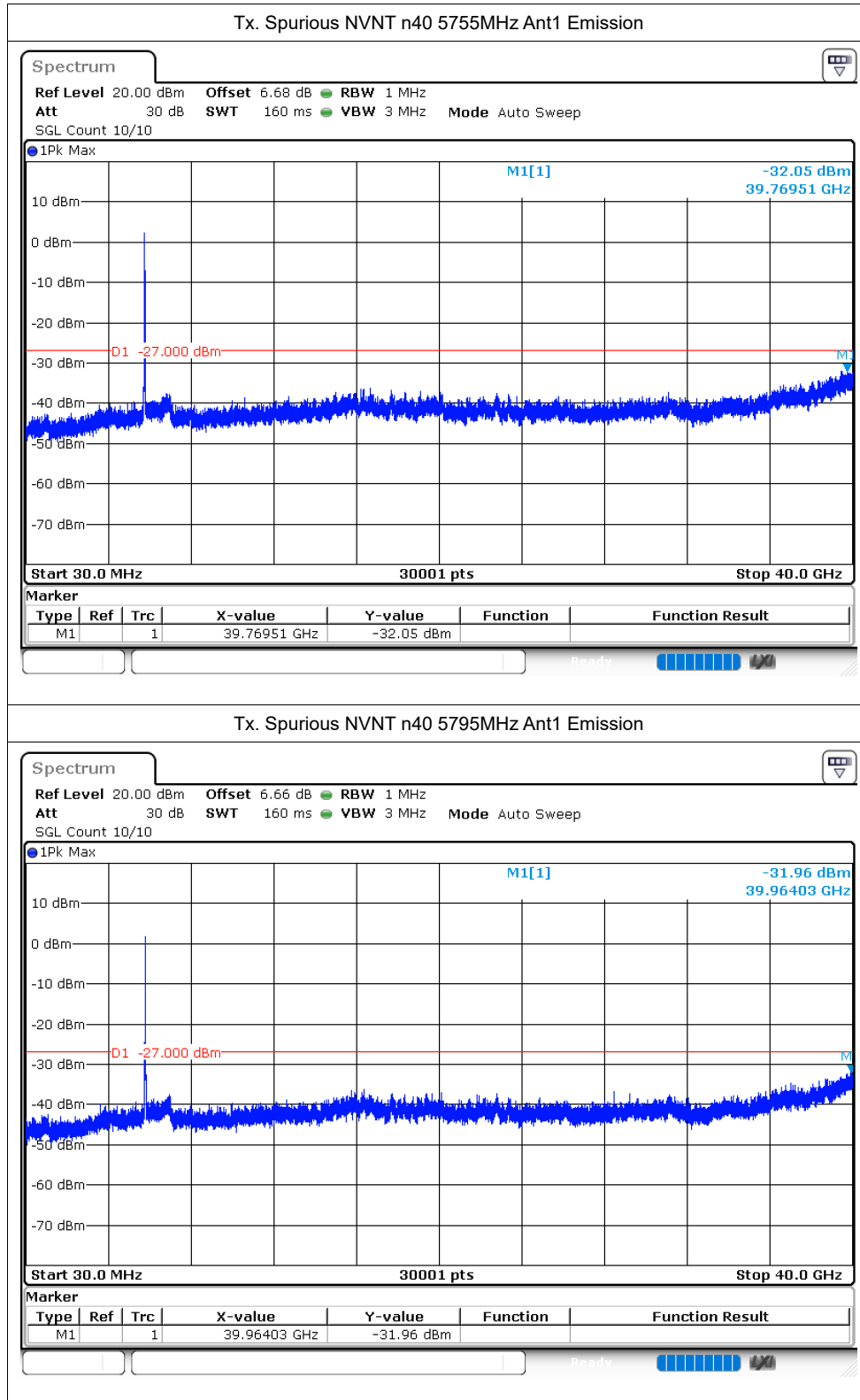
Tx. Spurious NVNT a 5825MHz Ant1 Emission

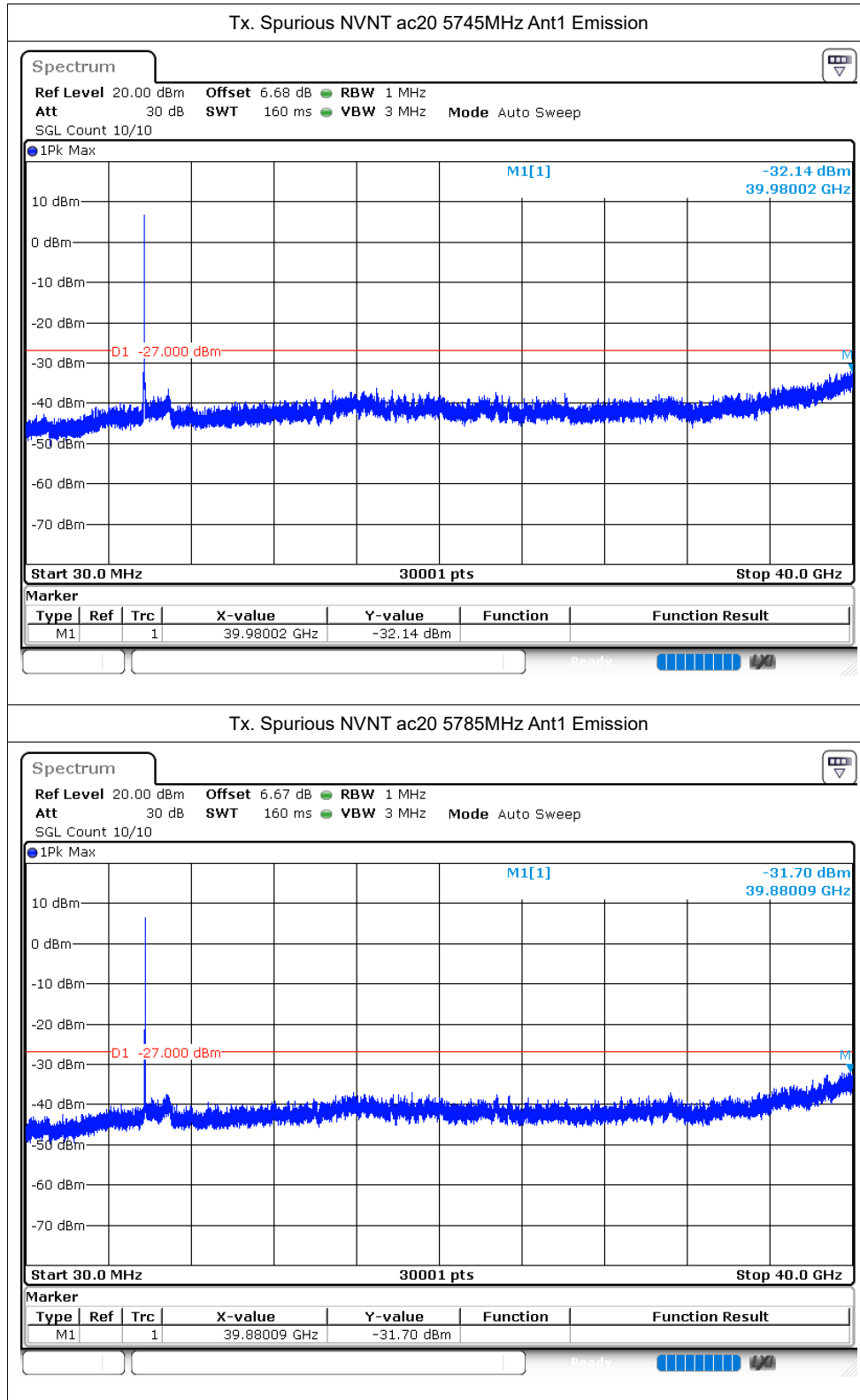


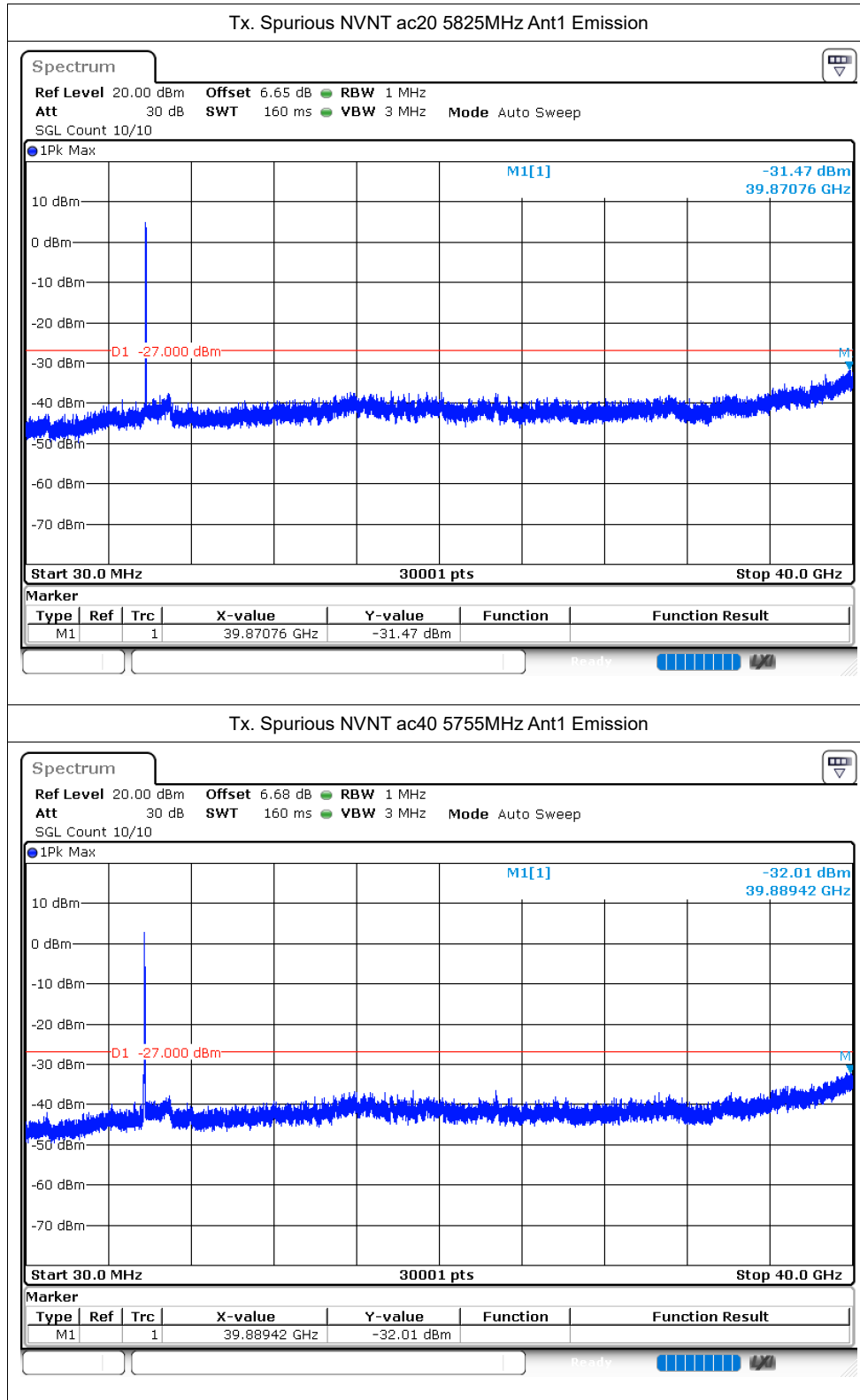
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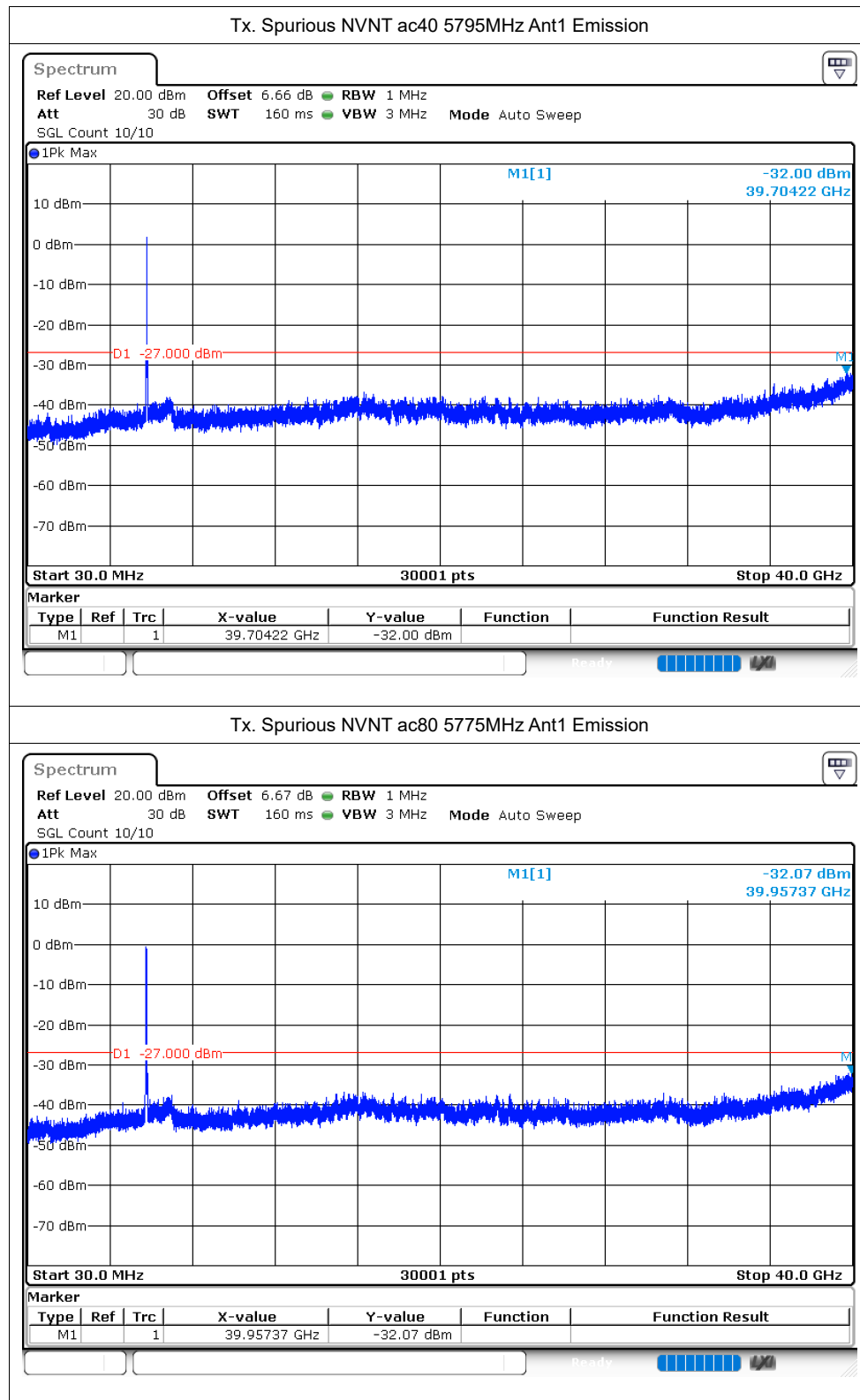












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