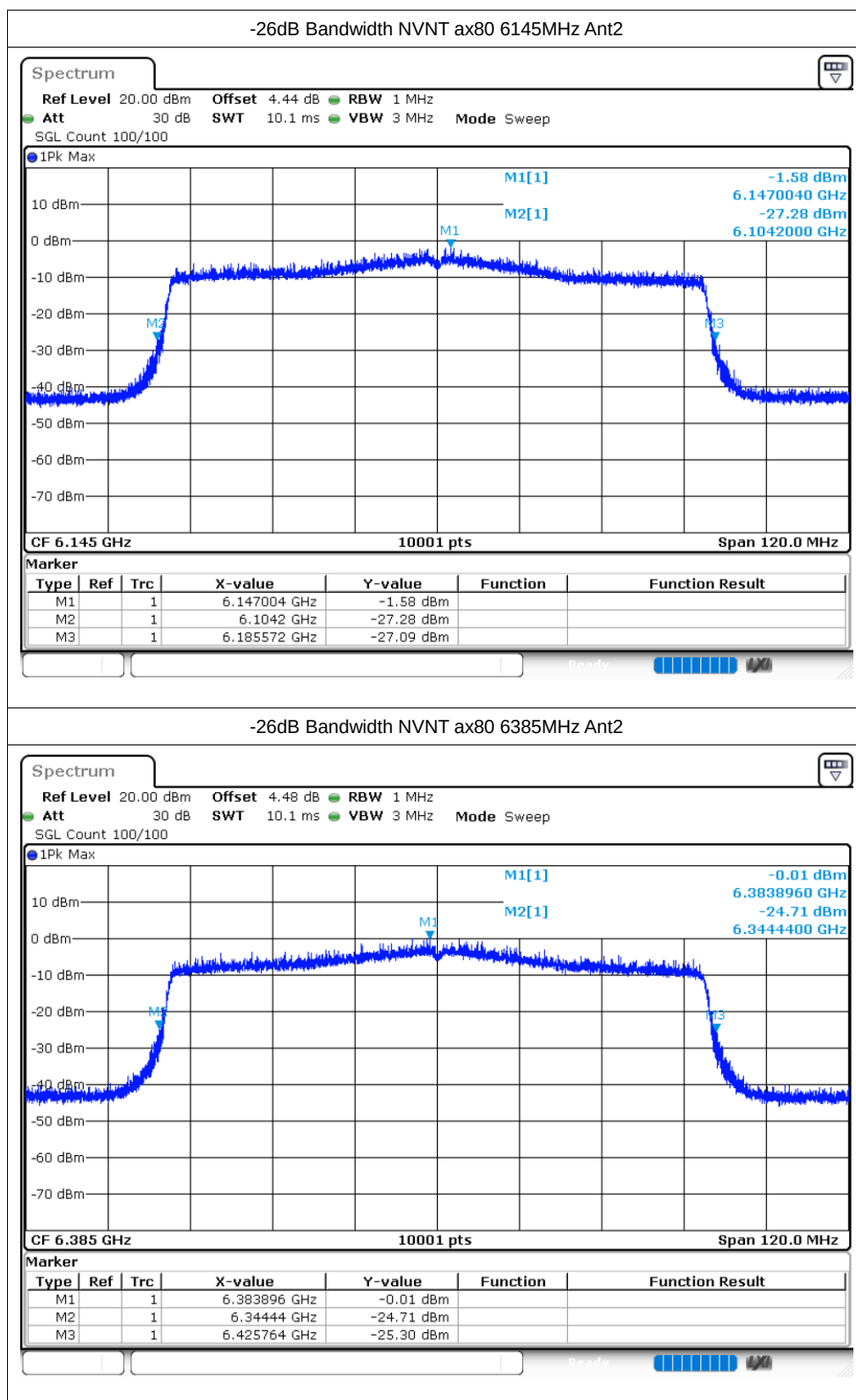
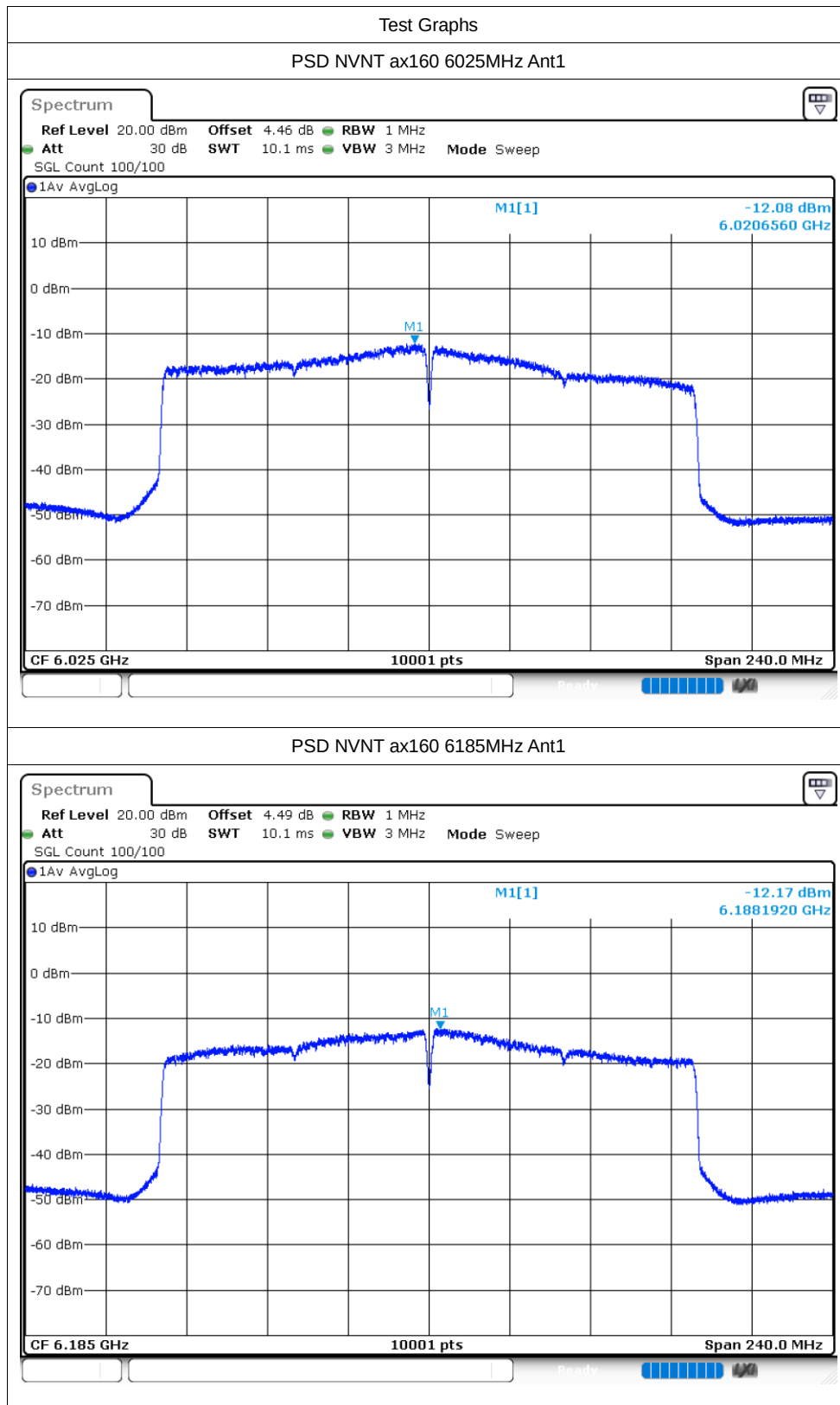
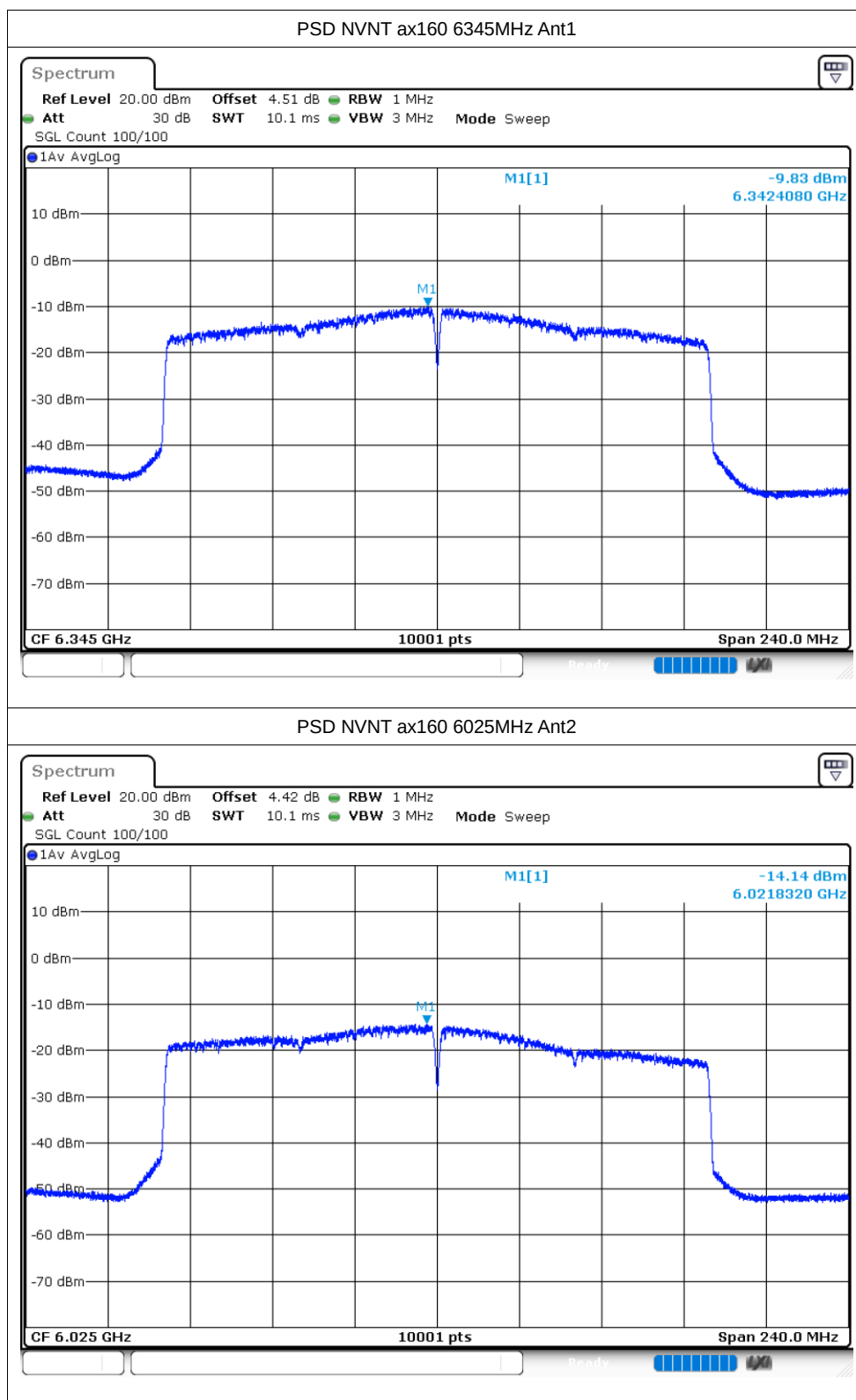


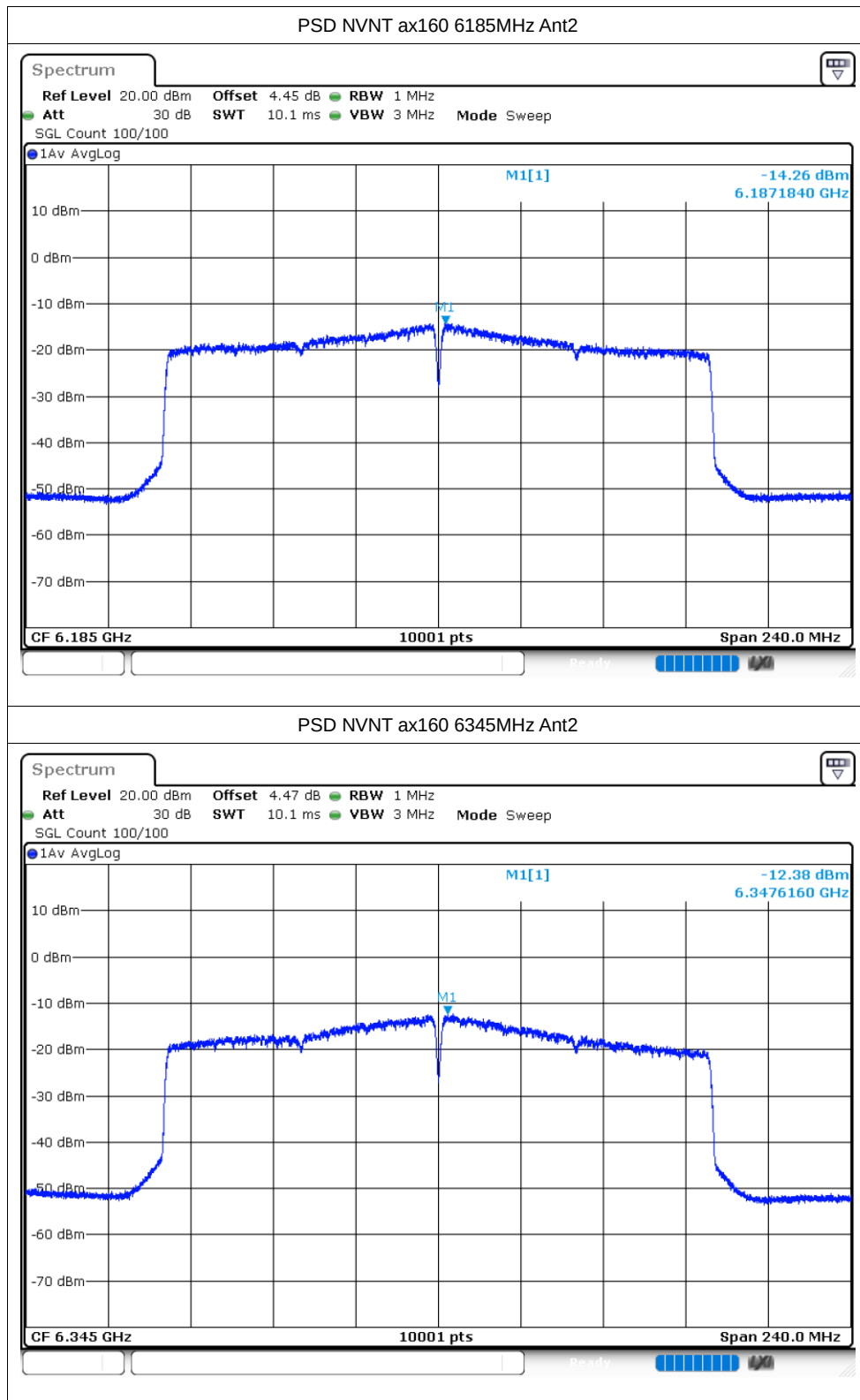


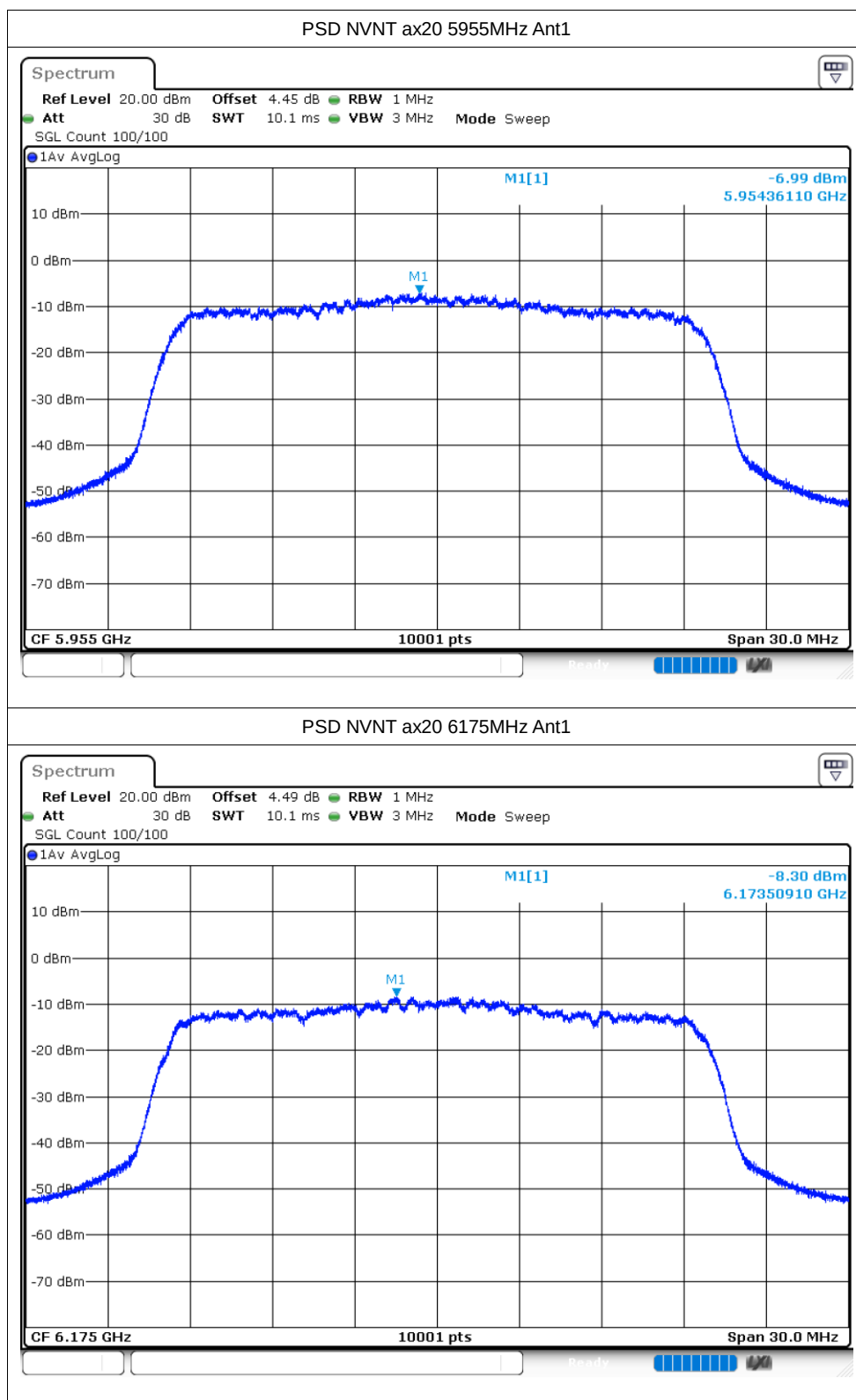
Maximum Power Spectral Density Level

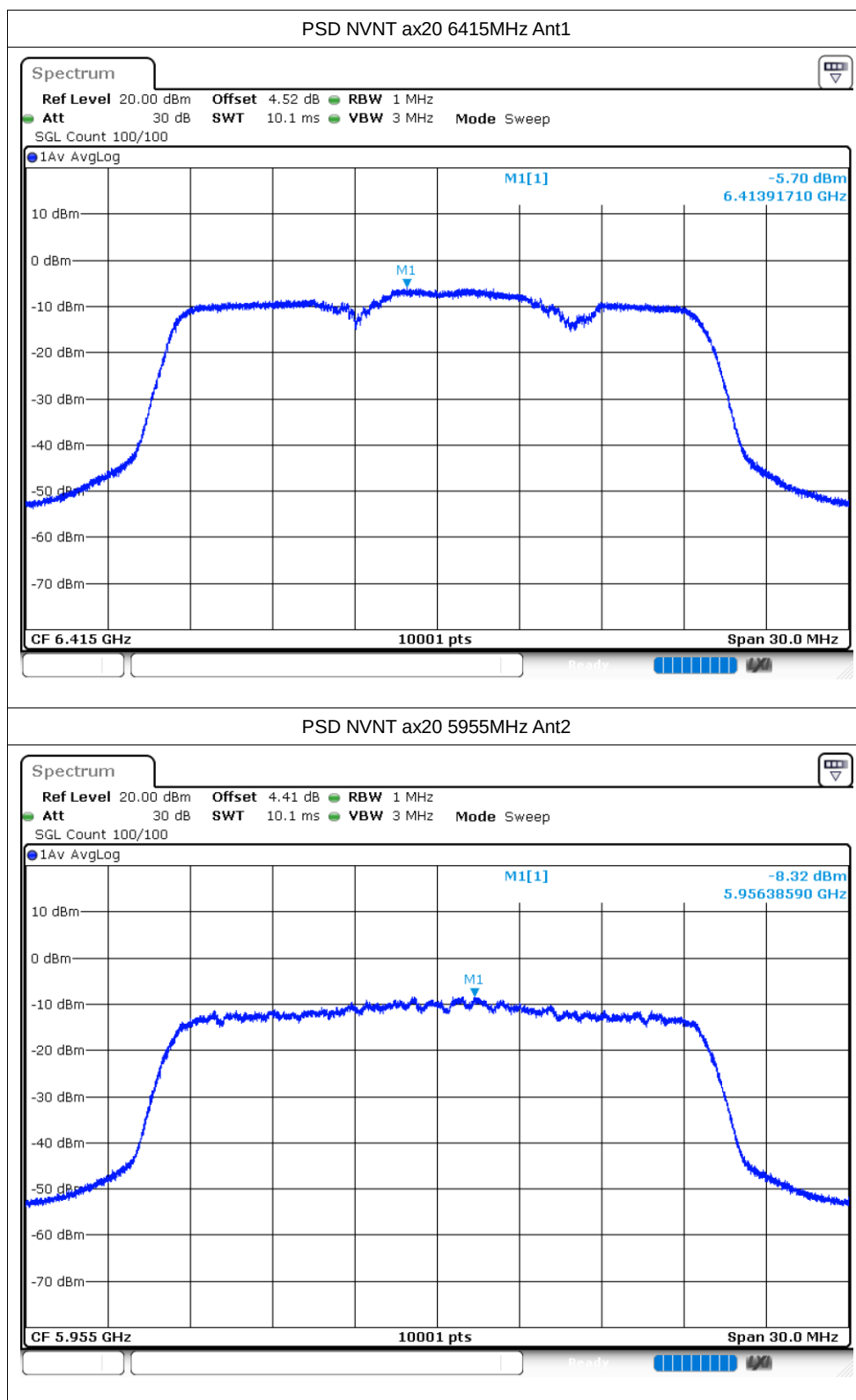
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Gain (dBi)	eirp PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6025	Ant1	-12.08	0	-12.08	4.5	-7.58	-1	Pass
NVNT	ax160	6185	Ant1	-12.17	0	-12.17	4.5	-7.67	-1	Pass
NVNT	ax160	6345	Ant1	-9.83	0	-9.83	4.5	-5.33	-1	Pass
NVNT	ax160	6025	Ant2	-14.14	0	-14.14	4.5	-9.64	-1	Pass
NVNT	ax160	6185	Ant2	-14.26	0	-14.26	4.5	-9.76	-1	Pass
NVNT	ax160	6345	Ant2	-12.38	0	-12.38	4.5	-7.88	-1	Pass
NVNT	ax20	5955	Ant1	-6.99	0	-6.99	4.5	-2.49	-1	Pass
NVNT	ax20	6175	Ant1	-8.3	0	-8.3	4.5	-3.8	-1	Pass
NVNT	ax20	6415	Ant1	-5.7	0	-5.7	4.5	-1.2	-1	Pass
NVNT	ax20	5955	Ant2	-8.32	0	-8.32	4.5	-3.82	-1	Pass
NVNT	ax20	6175	Ant2	-9.28	0	-9.28	4.5	-4.78	-1	Pass
NVNT	ax20	6415	Ant2	-6.86	0	-6.86	4.5	-2.36	-1	Pass
NVNT	ax40	5965	Ant1	-10.08	0	-10.08	4.5	-5.58	-1	Pass
NVNT	ax40	6165	Ant1	-10.8	0	-10.8	4.5	-6.3	-1	Pass
NVNT	ax40	6405	Ant1	-9.46	0	-9.46	4.5	-4.96	-1	Pass
NVNT	ax40	5965	Ant2	-11.11	0	-11.11	4.5	-6.61	-1	Pass
NVNT	ax40	6165	Ant2	-11.75	0	-11.75	4.5	-7.25	-1	Pass
NVNT	ax40	6405	Ant2	-10.68	0	-10.68	4.5	-6.18	-1	Pass
NVNT	ax80	5985	Ant1	-5.93	0	-5.93	4.5	-1.43	-1	Pass
NVNT	ax80	6145	Ant1	-6.69	0	-6.69	4.5	-2.19	-1	Pass
NVNT	ax80	6385	Ant1	-6.63	0	-6.63	4.5	-2.13	-1	Pass
NVNT	ax80	5985	Ant2	-6.65	0	-6.65	4.5	-2.15	-1	Pass
NVNT	ax80	6145	Ant2	-7.2	0	-7.2	4.5	-2.7	-1	Pass
NVNT	ax80	6385	Ant2	-7.2	0	-7.2	4.5	-2.7	-1	Pass

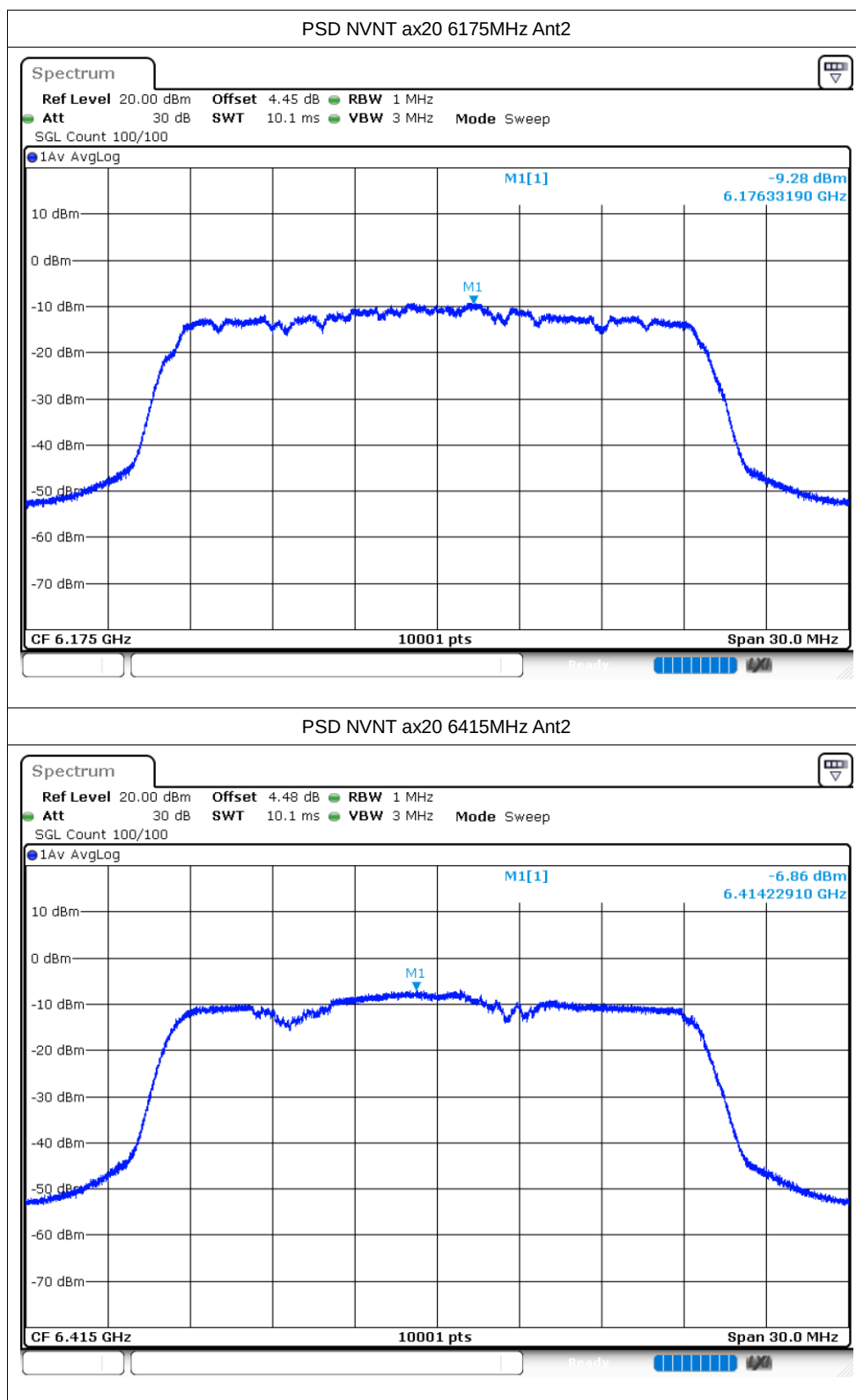


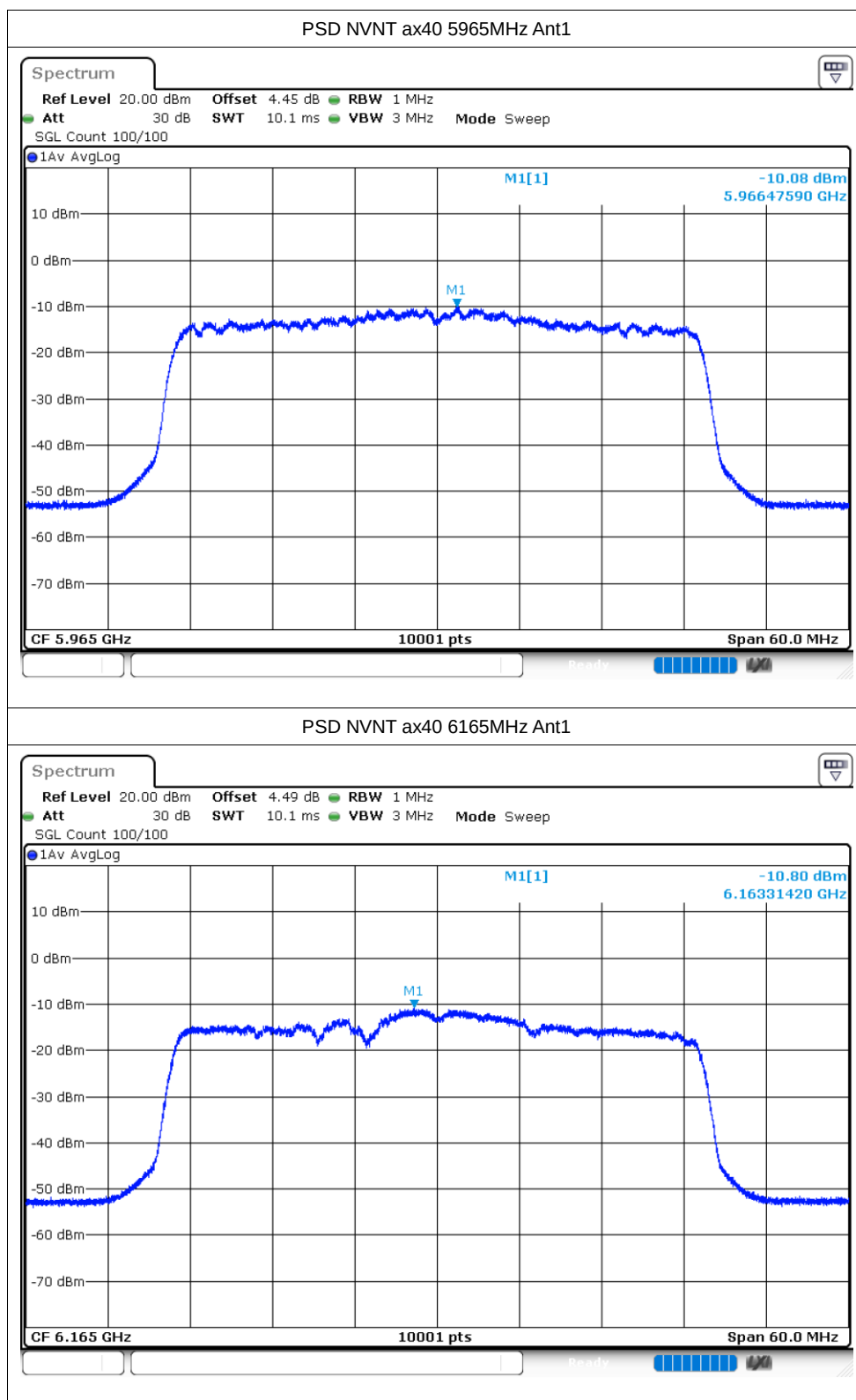


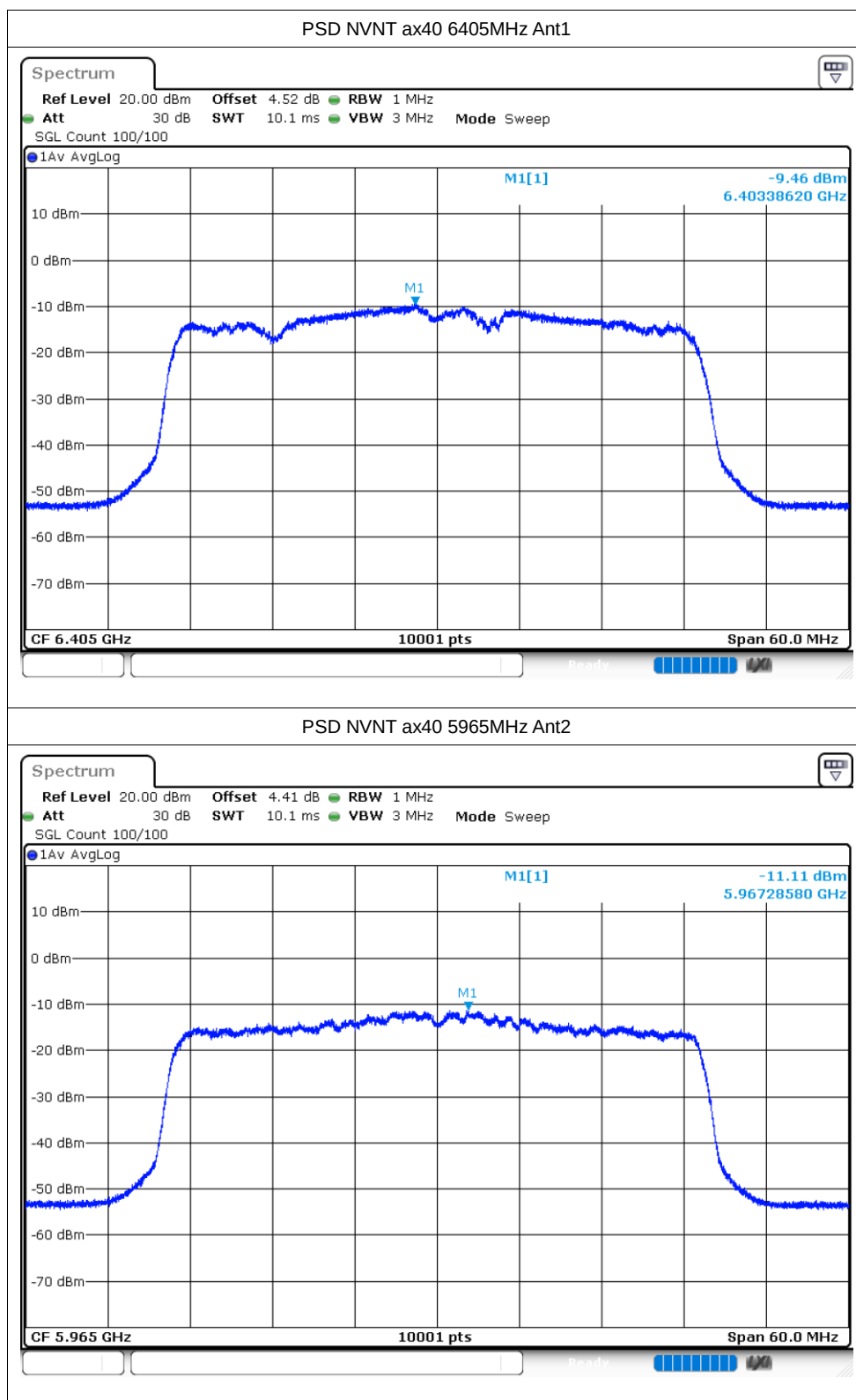


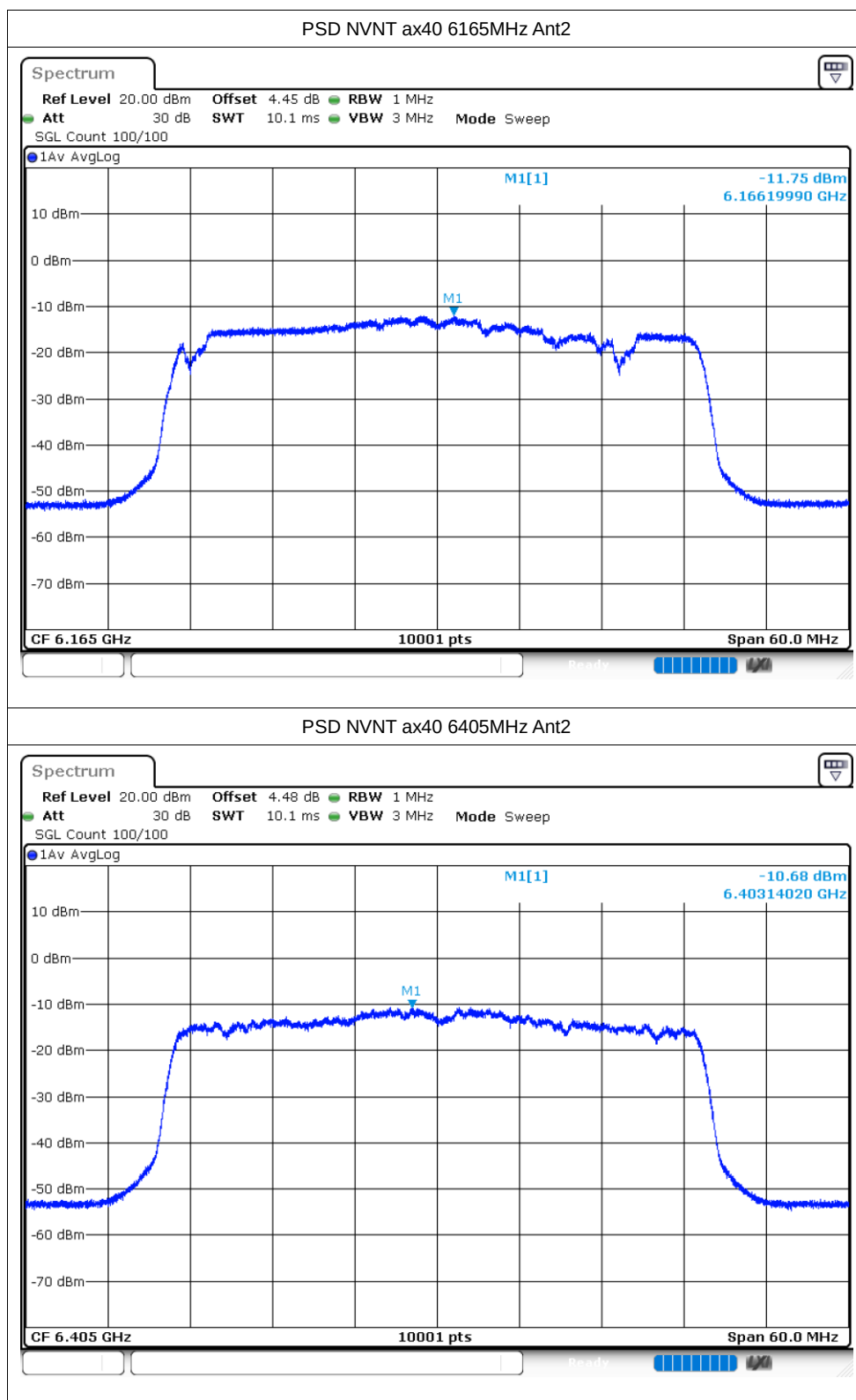


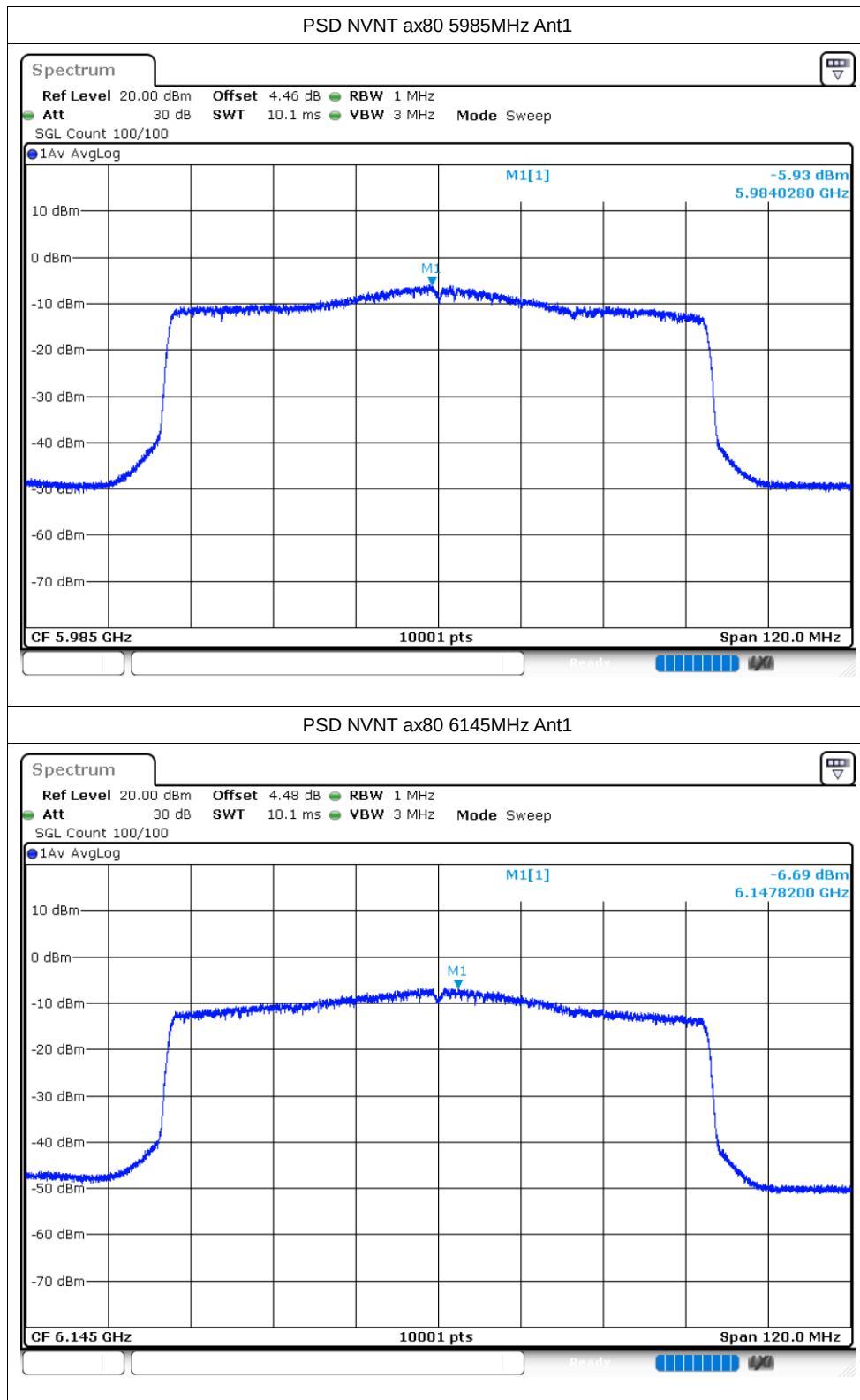


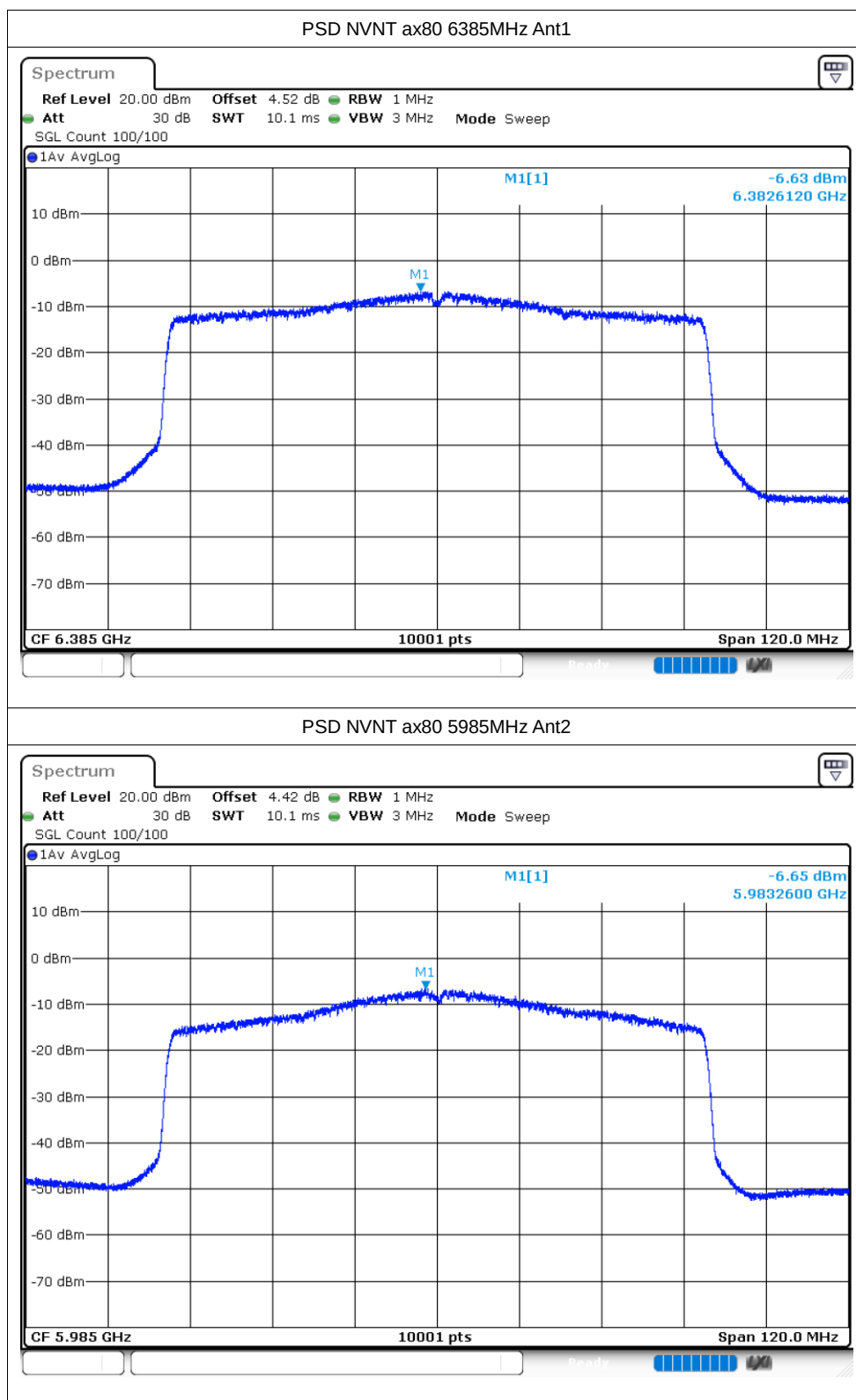


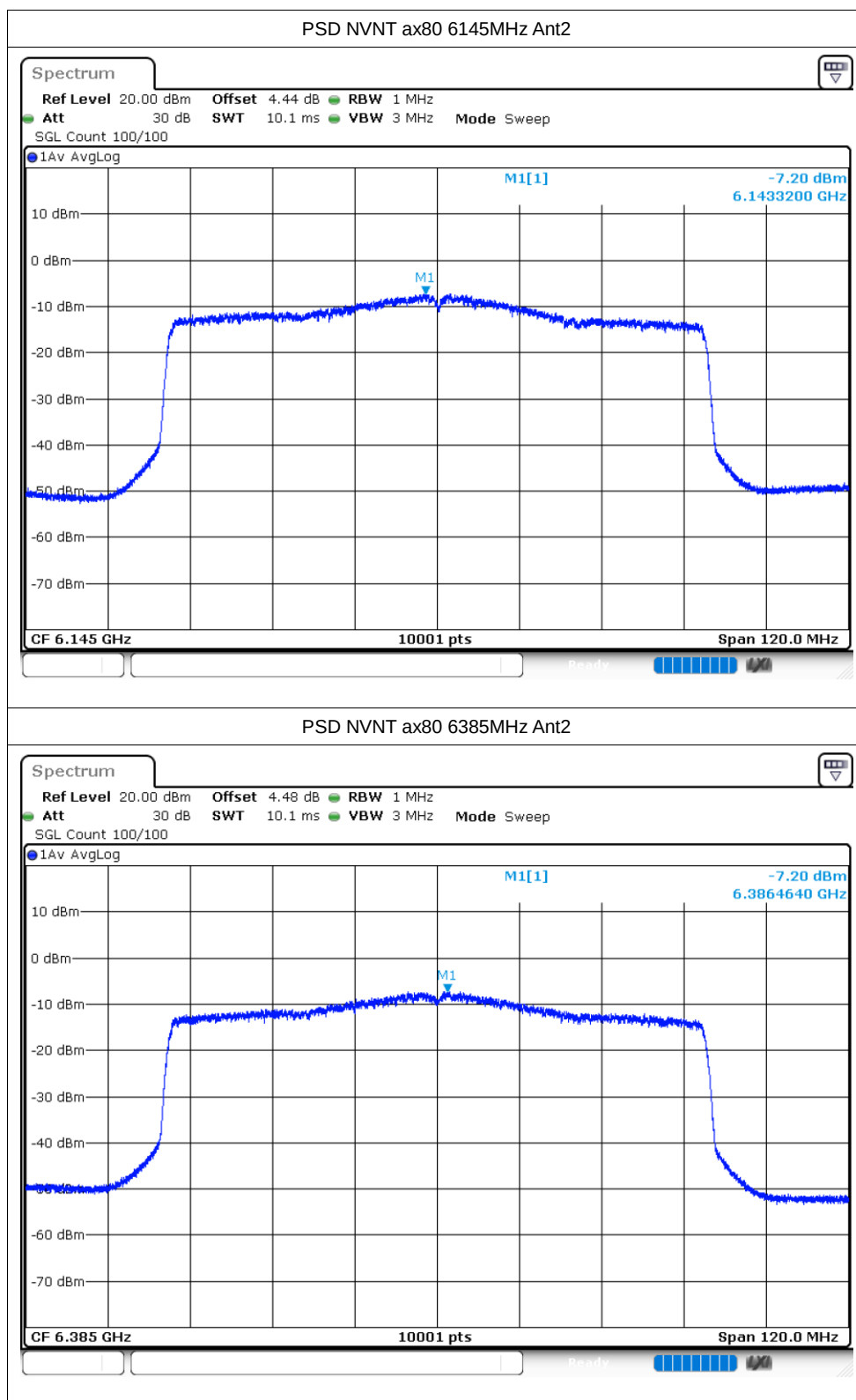










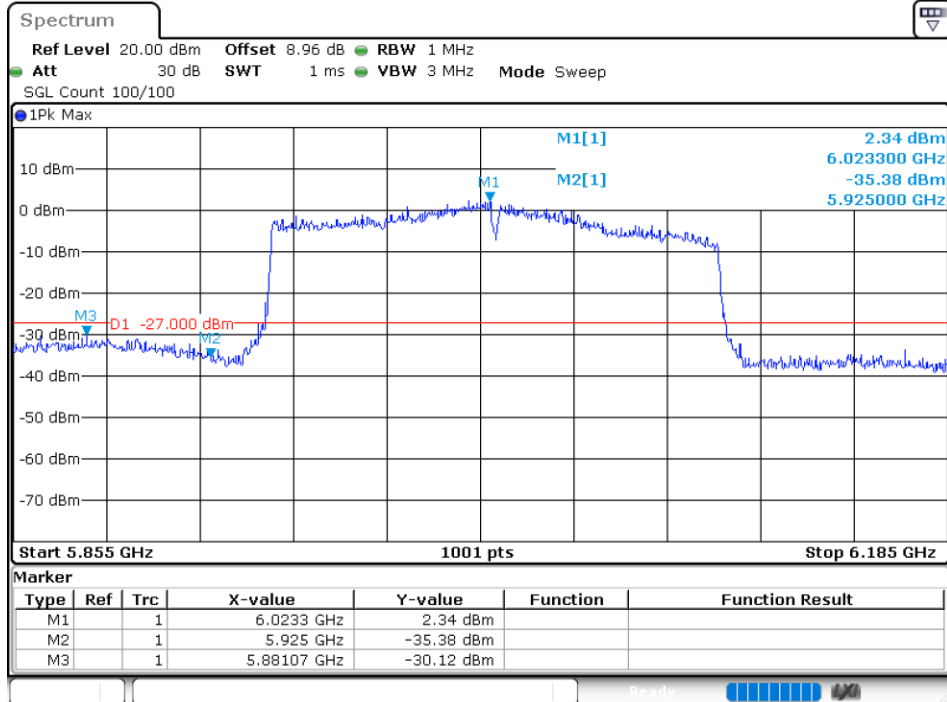


Band Edge

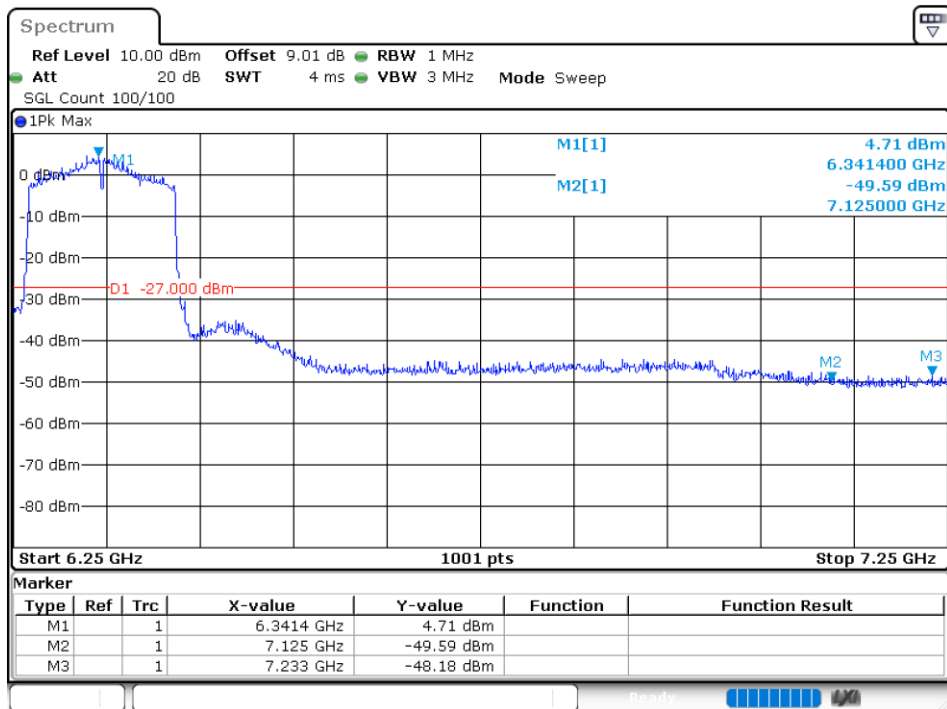
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6025	Ant1	-30.12	-27	Pass
NVNT	ax160	6345	Ant1	-48.18	-27	Pass
NVNT	ax160	6025	Ant2	-35.7	-27	Pass
NVNT	ax160	6345	Ant2	-38.4	-27	Pass
NVNT	ax20	5955	Ant1	-45.02	-27	Pass
NVNT	ax20	6415	Ant1	-47.94	-27	Pass
NVNT	ax20	5955	Ant2	-45.12	-27	Pass
NVNT	ax20	6415	Ant2	-48.23	-27	Pass
NVNT	ax40	5965	Ant1	-42.95	-27	Pass
NVNT	ax40	6405	Ant1	-48.61	-27	Pass
NVNT	ax40	5965	Ant2	-44.65	-27	Pass
NVNT	ax40	6405	Ant2	-47.72	-27	Pass
NVNT	ax80	5985	Ant1	-32.18	-27	Pass
NVNT	ax80	6385	Ant1	-48.17	-27	Pass
NVNT	ax80	5985	Ant2	-31.63	-27	Pass
NVNT	ax80	6385	Ant2	-48.64	-27	Pass

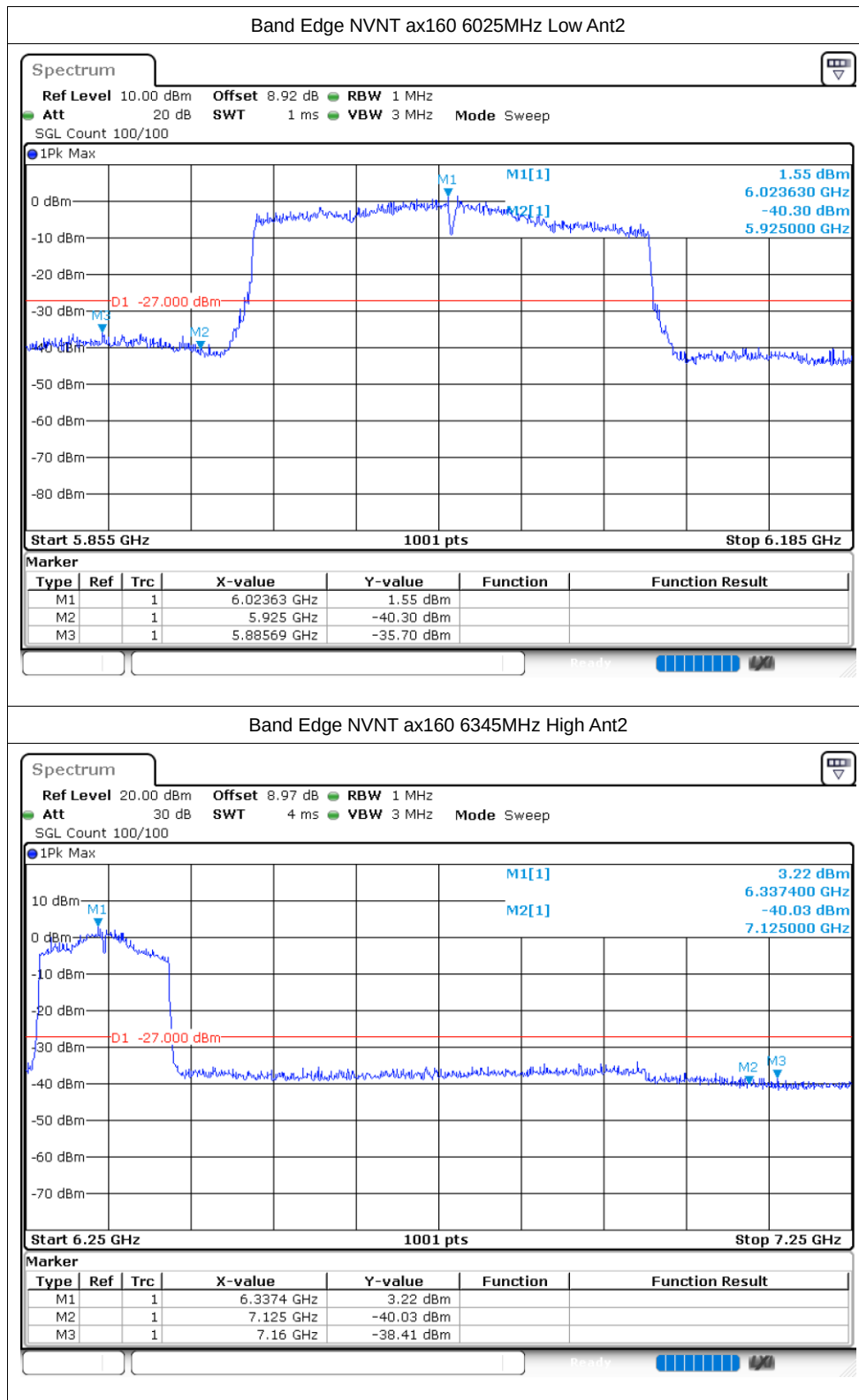
Test Graphs

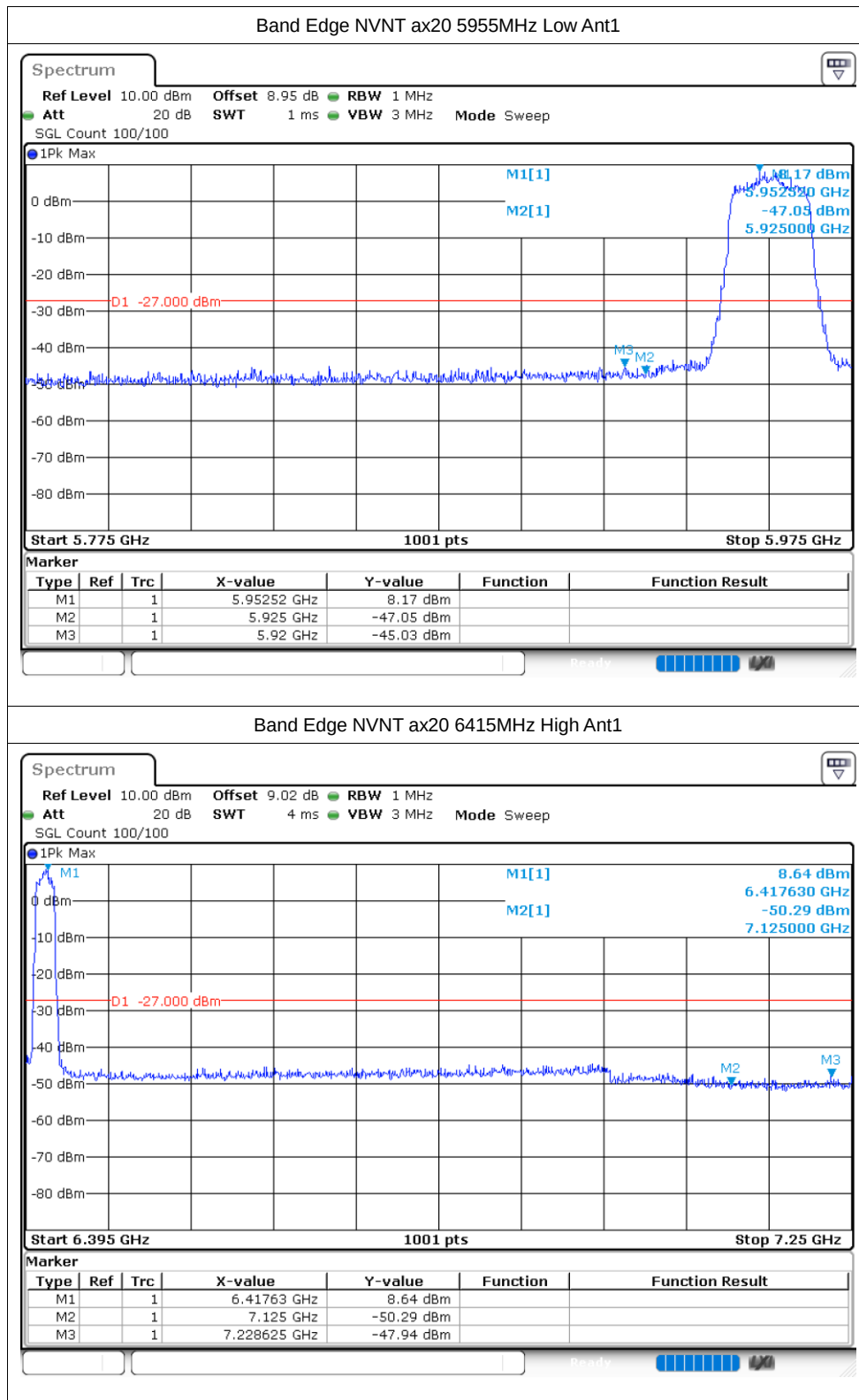
Band Edge NVNT ax160 6025MHz Low Ant1

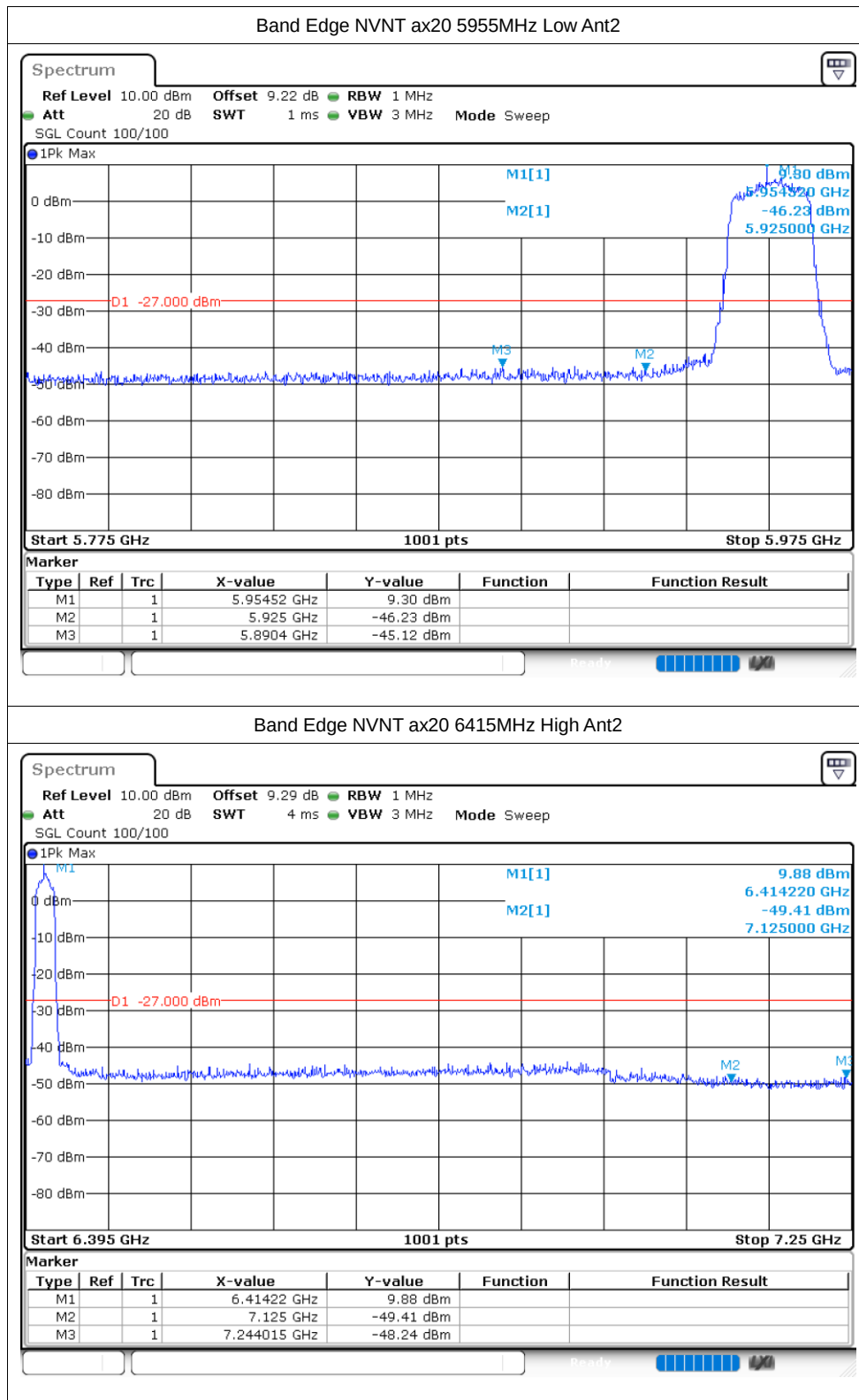


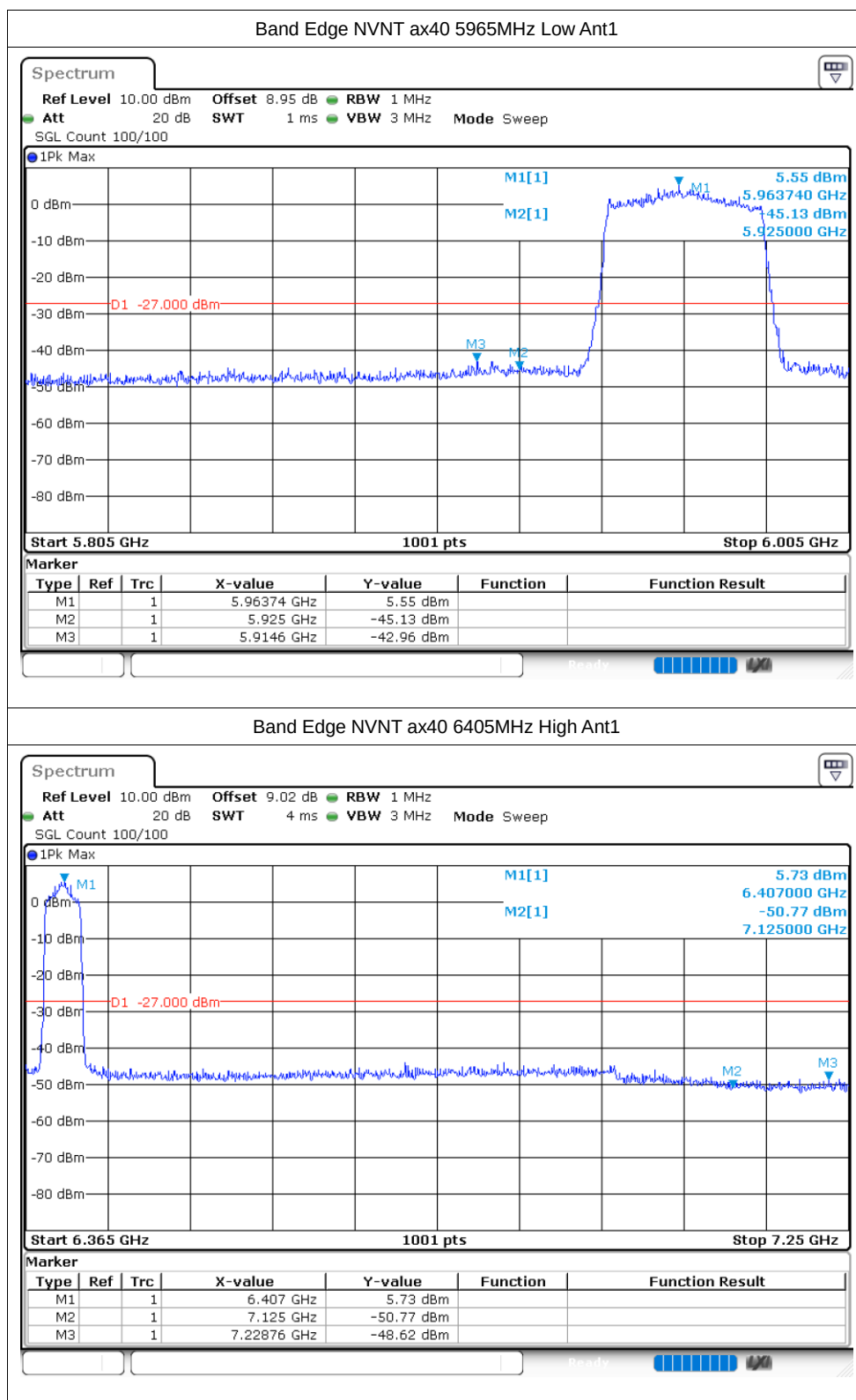
Band Edge NVNT ax160 6345MHz High Ant1

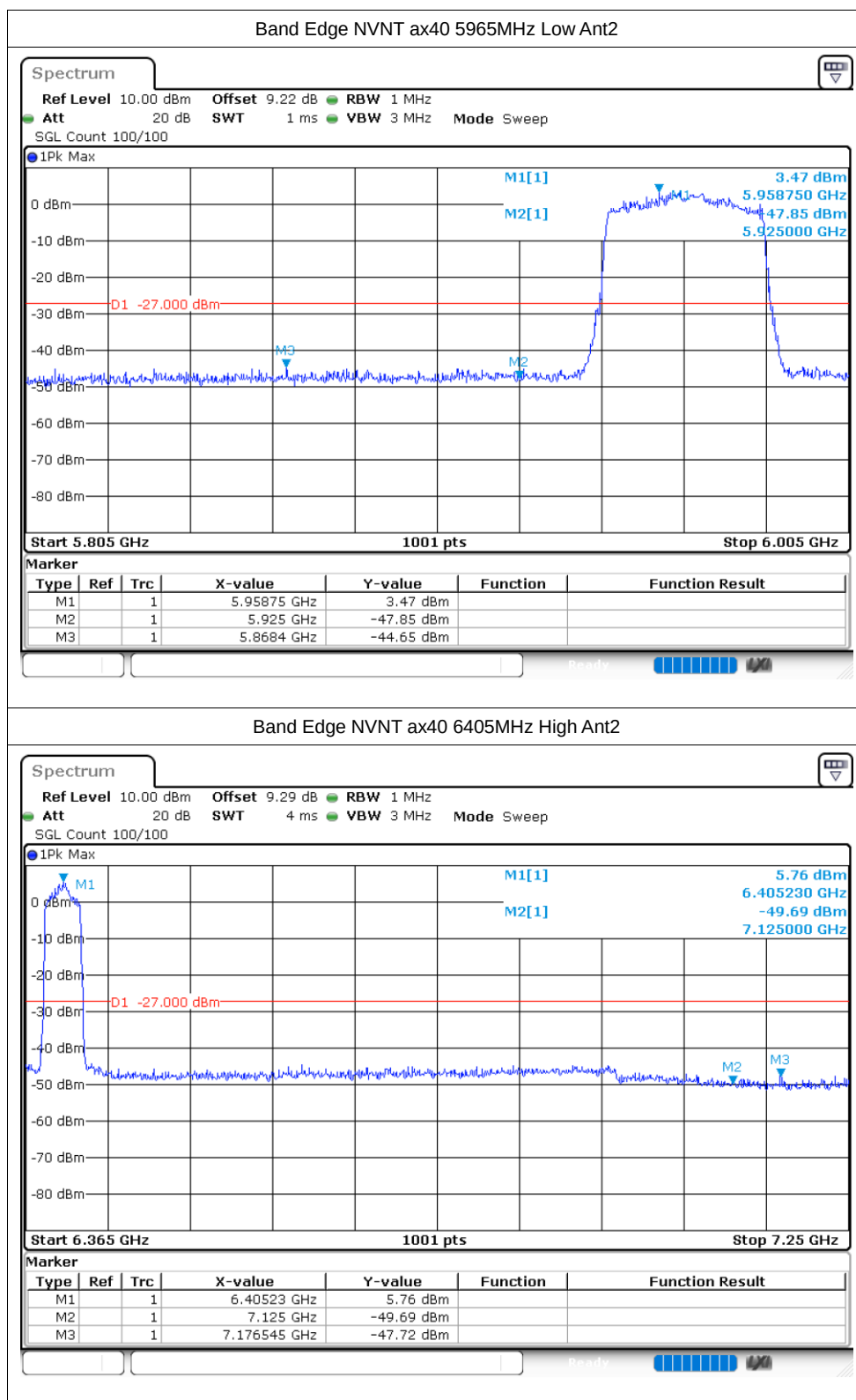


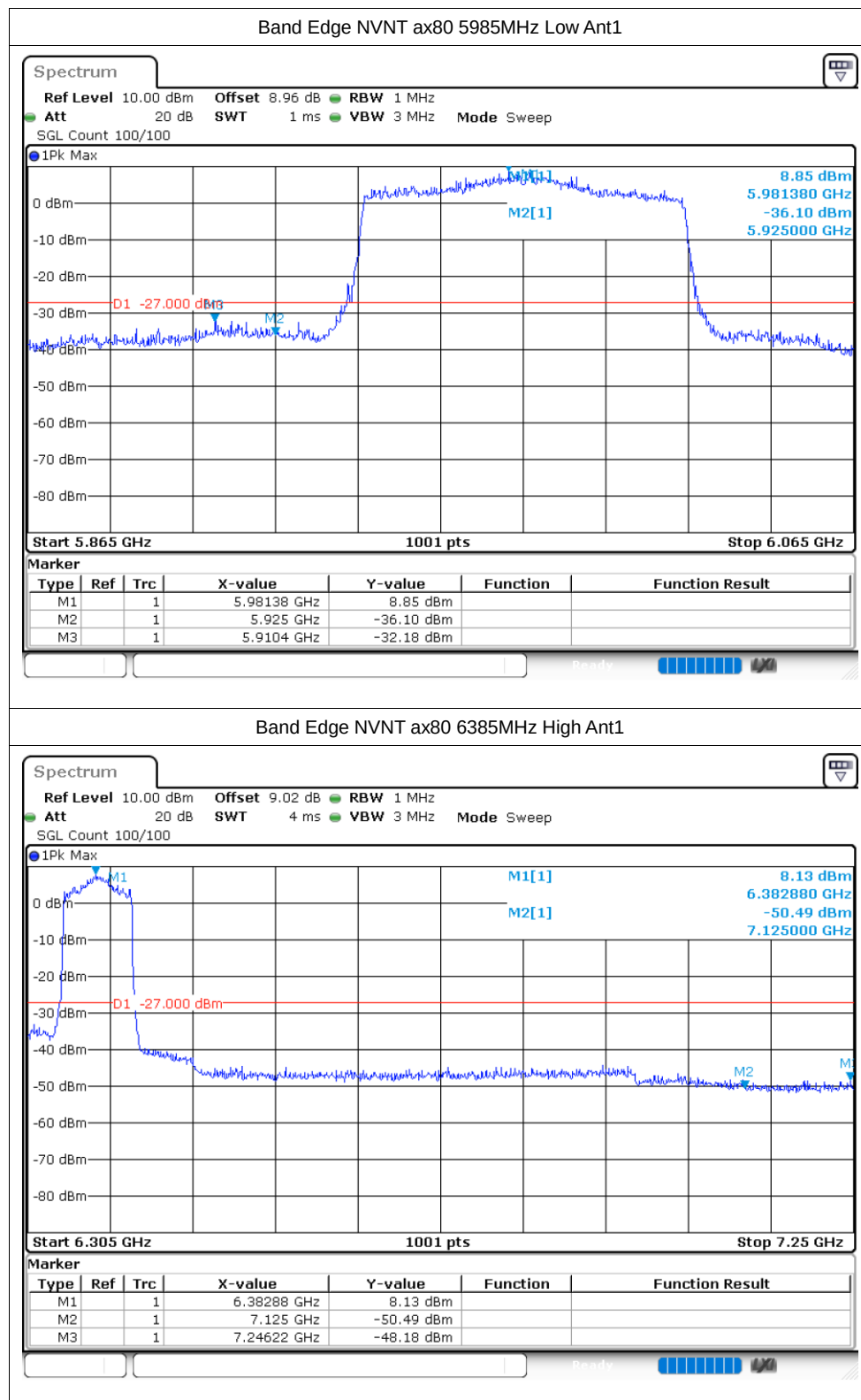


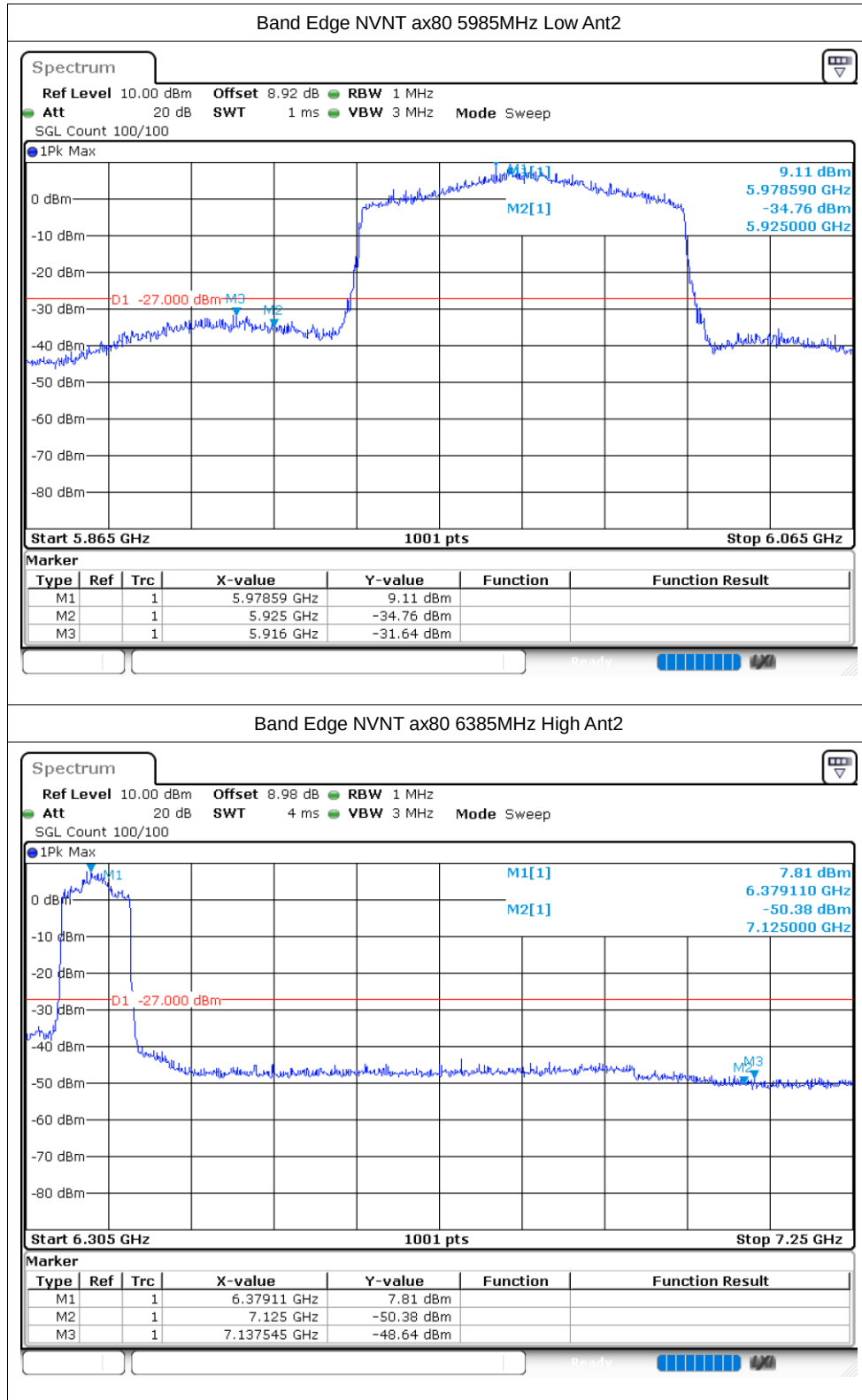










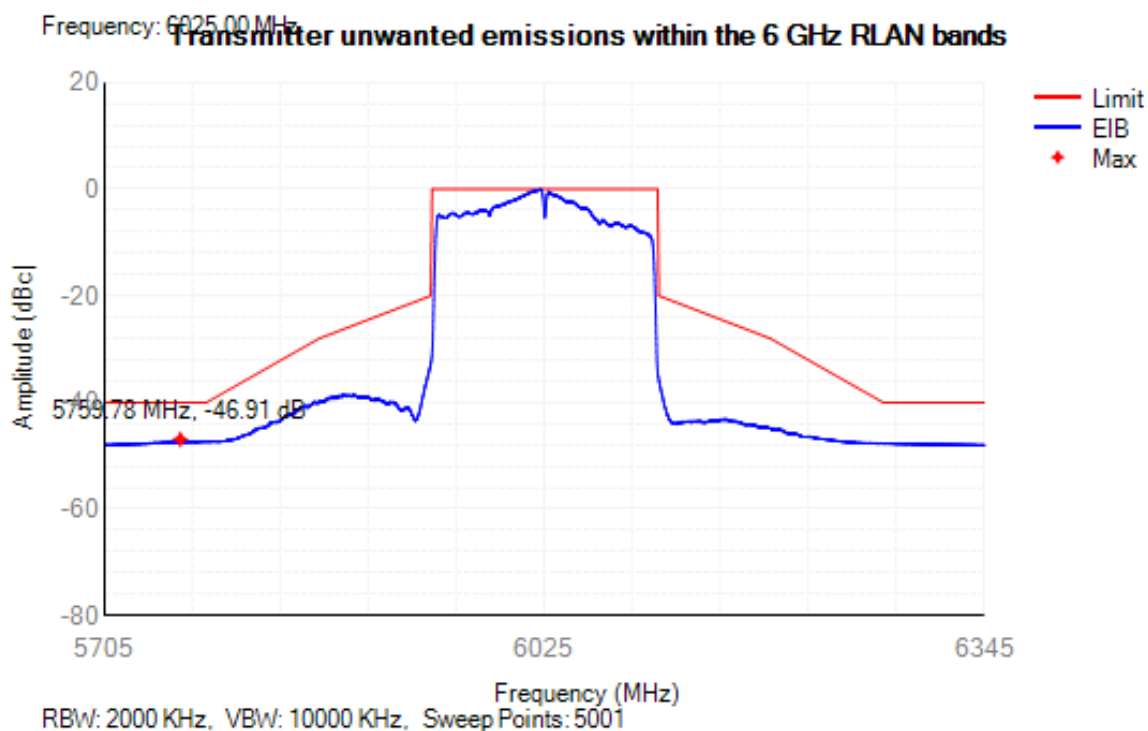


Power spectral mask

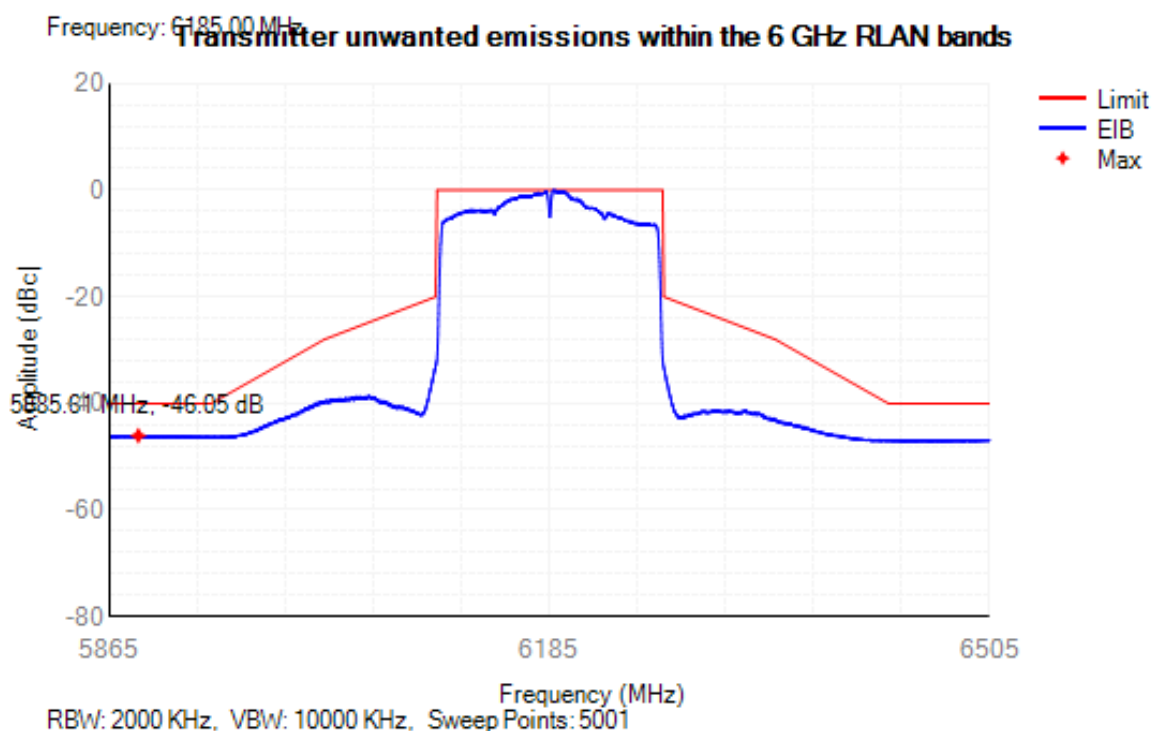
Condition	Mode	Frequency (MHz)	Antenna	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
NVNT	ax160	6025	Ant1	Band1	5759.78	-46.91	-40	Pass
NVNT	ax160	6185	Ant1	Band1	5885.61	-46.05	-40	Pass
NVNT	ax160	6345	Ant1	Band1	6661.16	-47.94	-40	Pass
NVNT	ax160	6025	Ant2	Band1	5759.91	-40.94	-40	Pass
NVNT	ax160	6185	Ant2	Band1	5866.15	-45.39	-40	Pass
NVNT	ax160	6345	Ant2	Band1	6659.88	-46.87	-40	Pass
NVNT	ax20	5955	Ant1	Band1	5917.26	-45.53	-40	Pass
NVNT	ax20	6175	Ant1	Band1	6208.62	-43.98	-40	Pass
NVNT	ax20	6415	Ant1	Band1	6375.96	-46.61	-40	Pass
NVNT	ax20	5955	Ant2	Band1	5917.51	-44.32	-40	Pass
NVNT	ax20	6175	Ant2	Band1	6206.6	-43.03	-40	Pass
NVNT	ax20	6415	Ant2	Band1	6379.03	-45.7	-40	Pass
NVNT	ax40	5965	Ant1	Band1	5904.33	-50.52	-40	Pass
NVNT	ax40	6165	Ant1	Band1	6233.58	-41.04	-40	Pass
NVNT	ax40	6405	Ant1	Band1	6332.3	-43.12	-40	Pass
NVNT	ax40	5965	Ant2	Band1	5893.42	-41.52	-40	Pass
NVNT	ax40	6165	Ant2	Band1	6231.98	-40.15	-40	Pass
NVNT	ax40	6405	Ant2	Band1	6335.24	-42.41	-40	Pass
NVNT	ax80	5985	Ant1	Band1	5855.59	-48.96	-40	Pass
NVNT	ax80	6145	Ant1	Band1	5985.32	-48.72	-40	Pass
NVNT	ax80	6385	Ant1	Band1	6227.37	-49.74	-40	Pass
NVNT	ax80	5985	Ant2	Band1	5845.61	-47.5	-40	Pass
NVNT	ax80	6145	Ant2	Band1	5985.51	-48	-40	Pass
NVNT	ax80	6385	Ant2	Band1	6259.05	-49.48	-40	Pass

Test Graphs

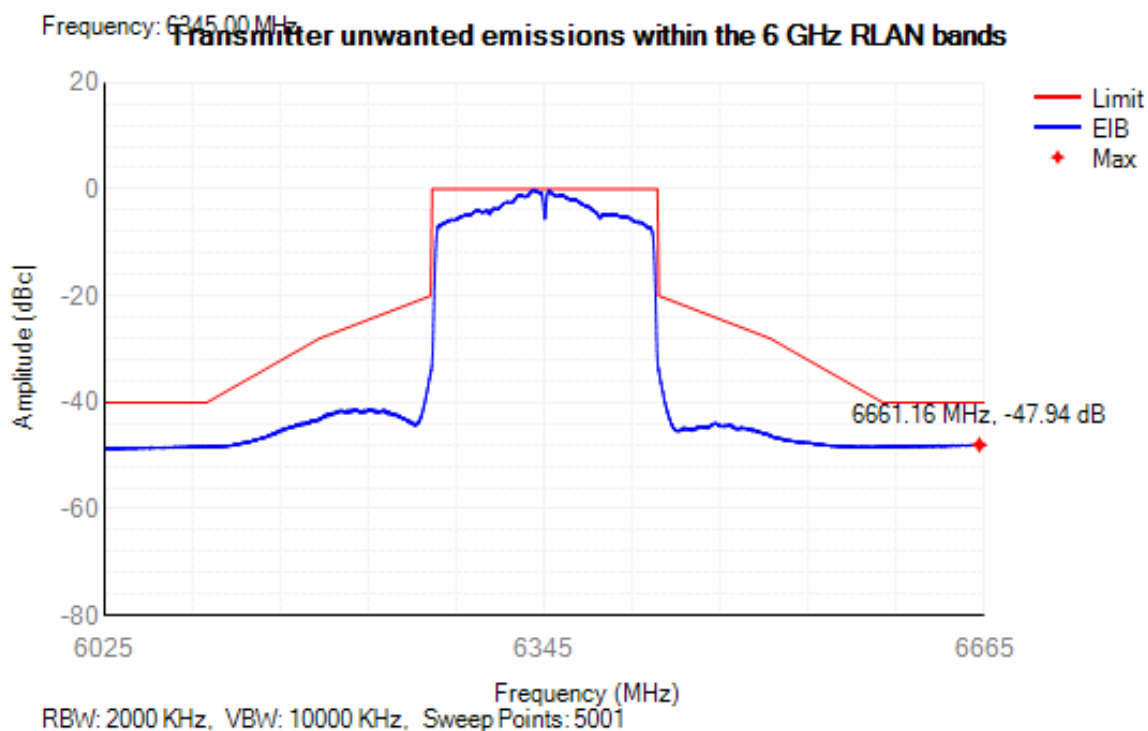
Power spectral mask NVNT ax160 6025MHz



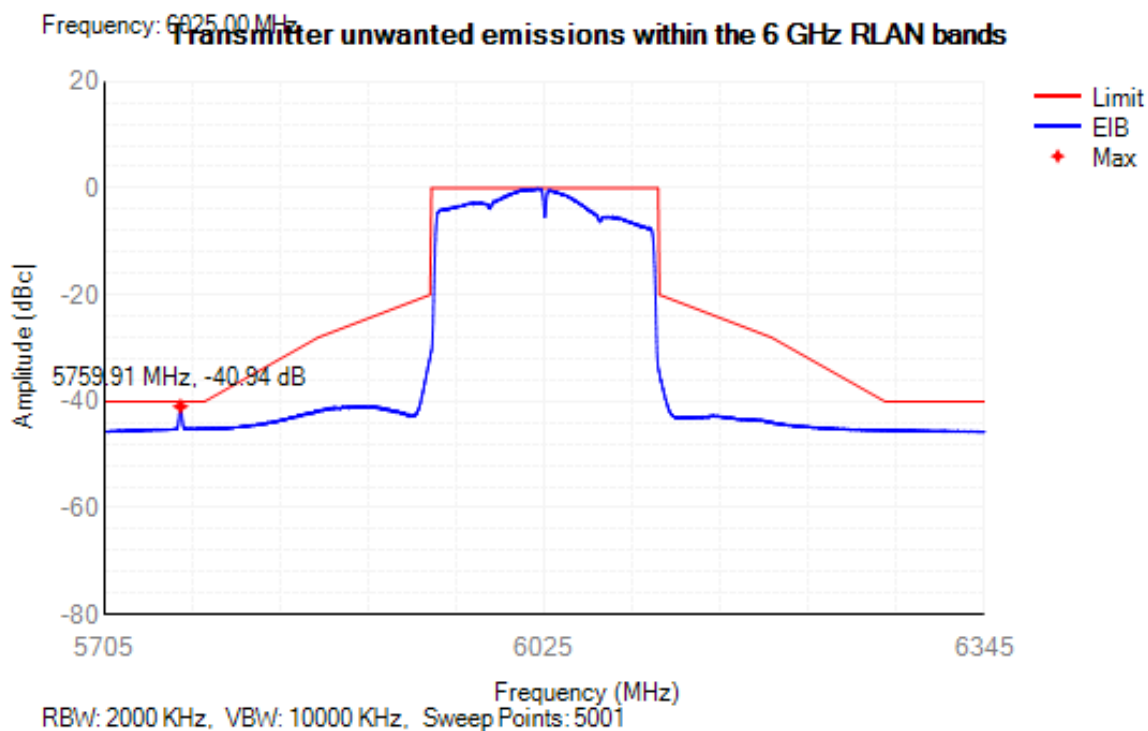
Power spectral mask NVNT ax160 6185MHz



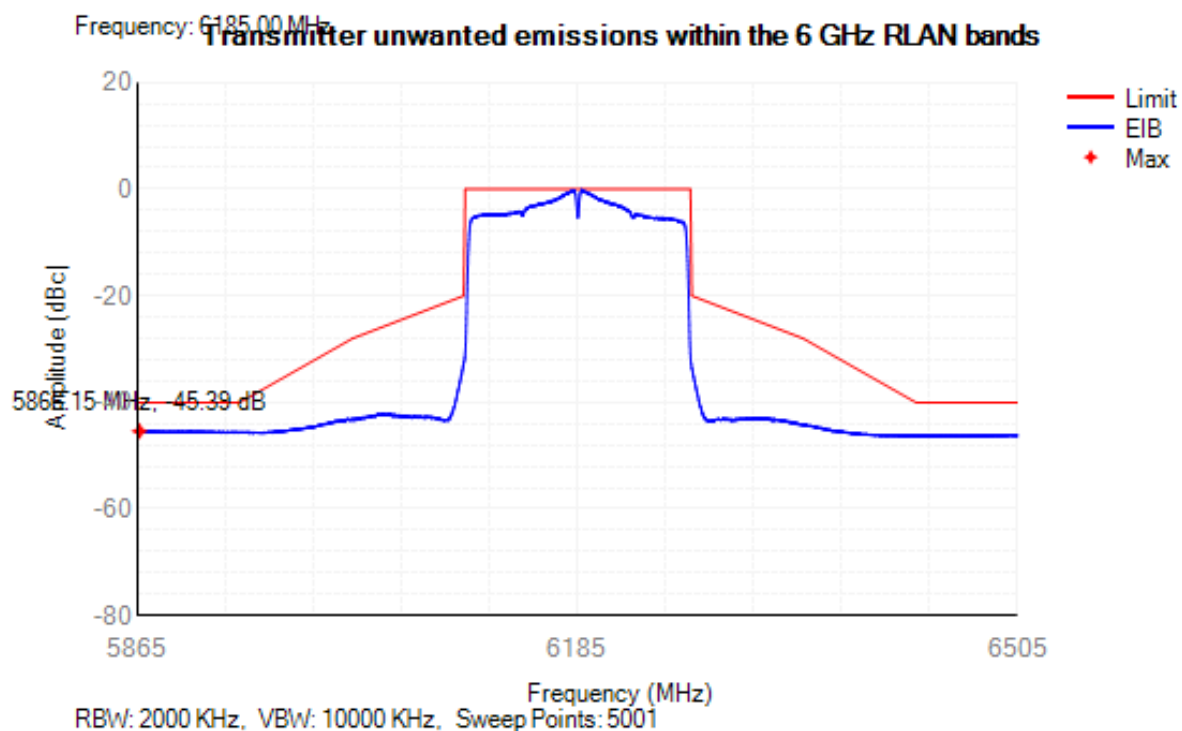
Power spectral mask NVNT ax160 6345MHz



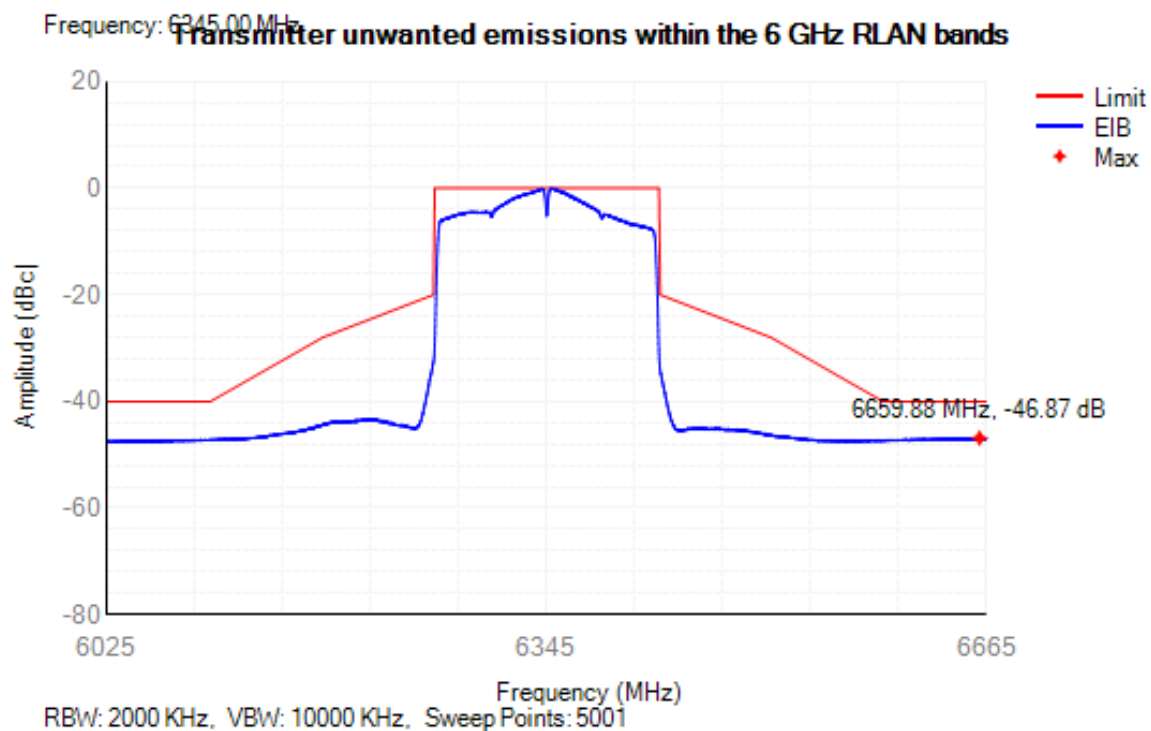
Power spectral mask NVNT ax160 6025MHz



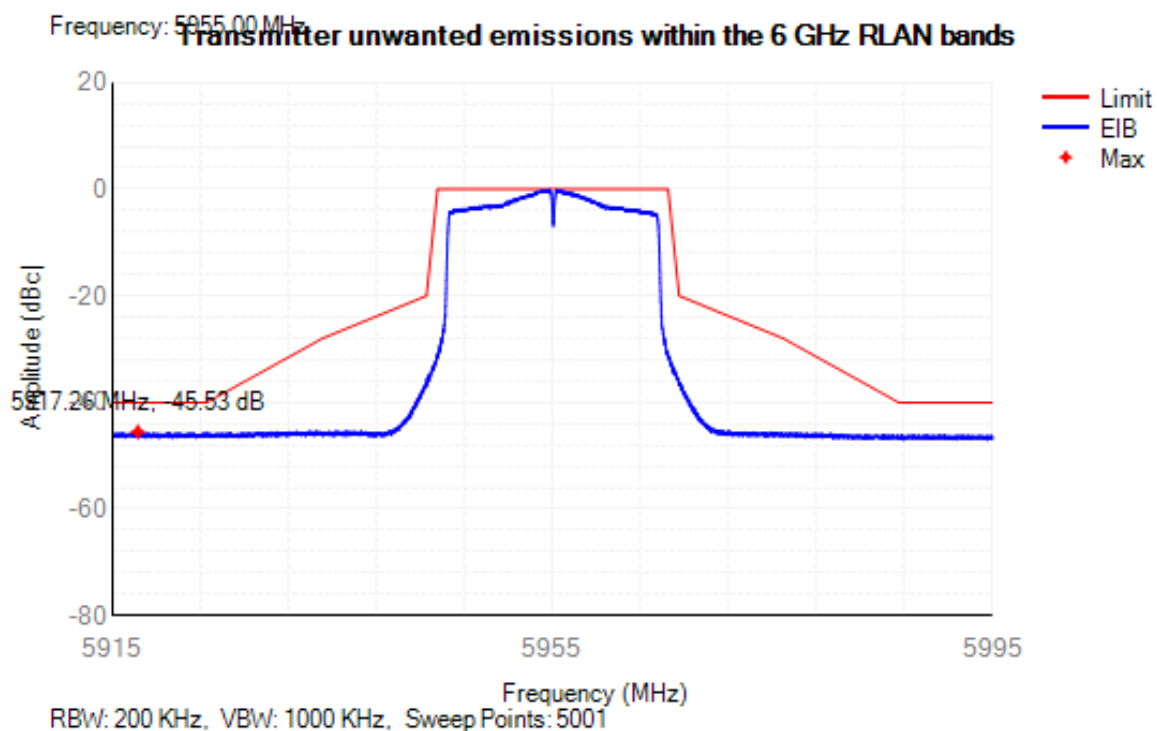
Power spectral mask NVNT ax160 6185MHz



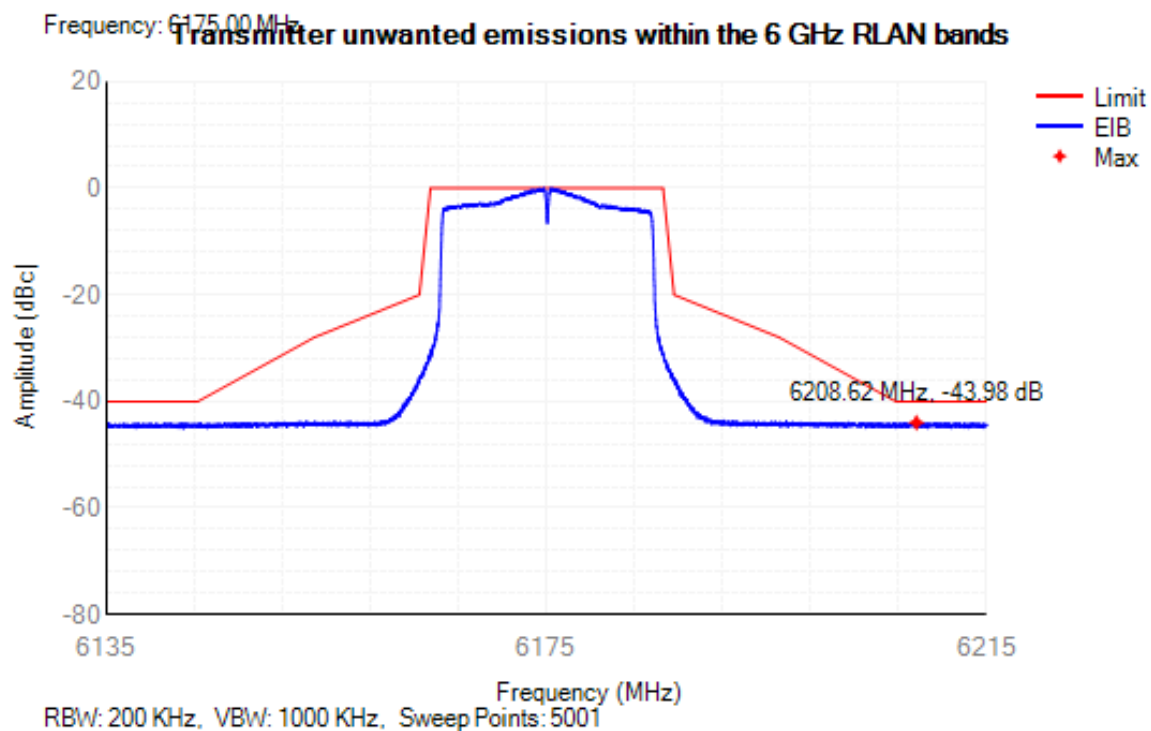
Power spectral mask NVNT ax160 6345MHz



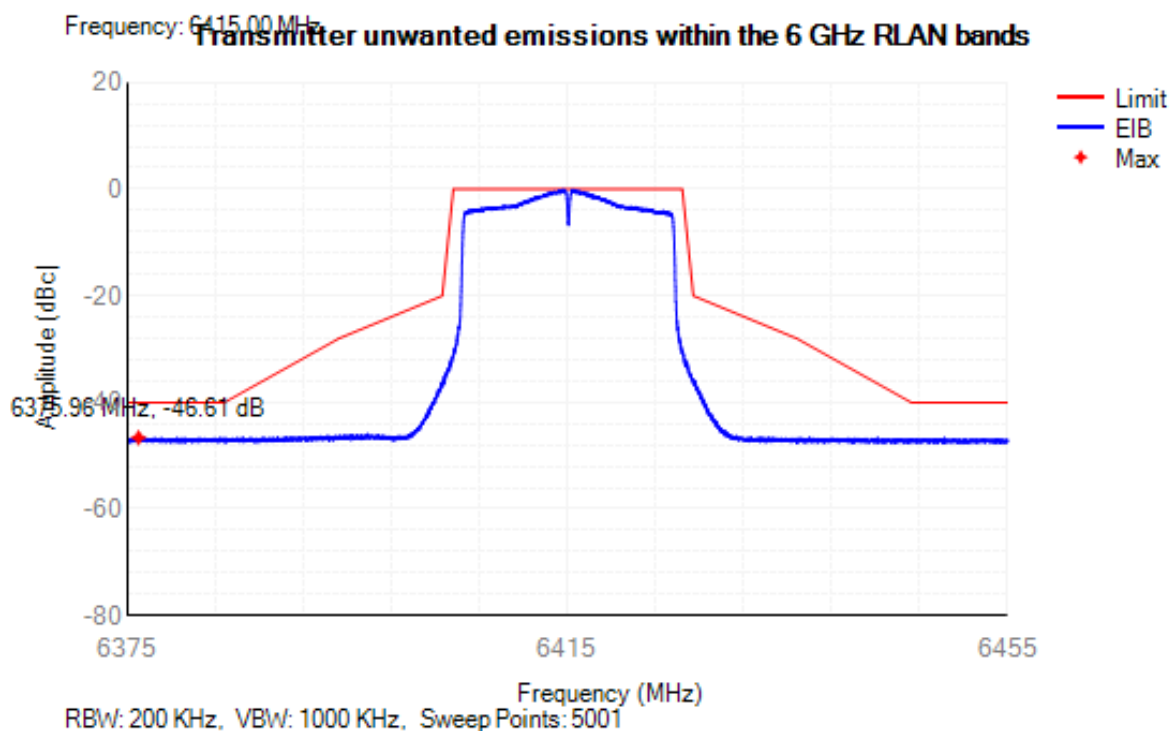
Power spectral mask NVNT ax20 5955MHz



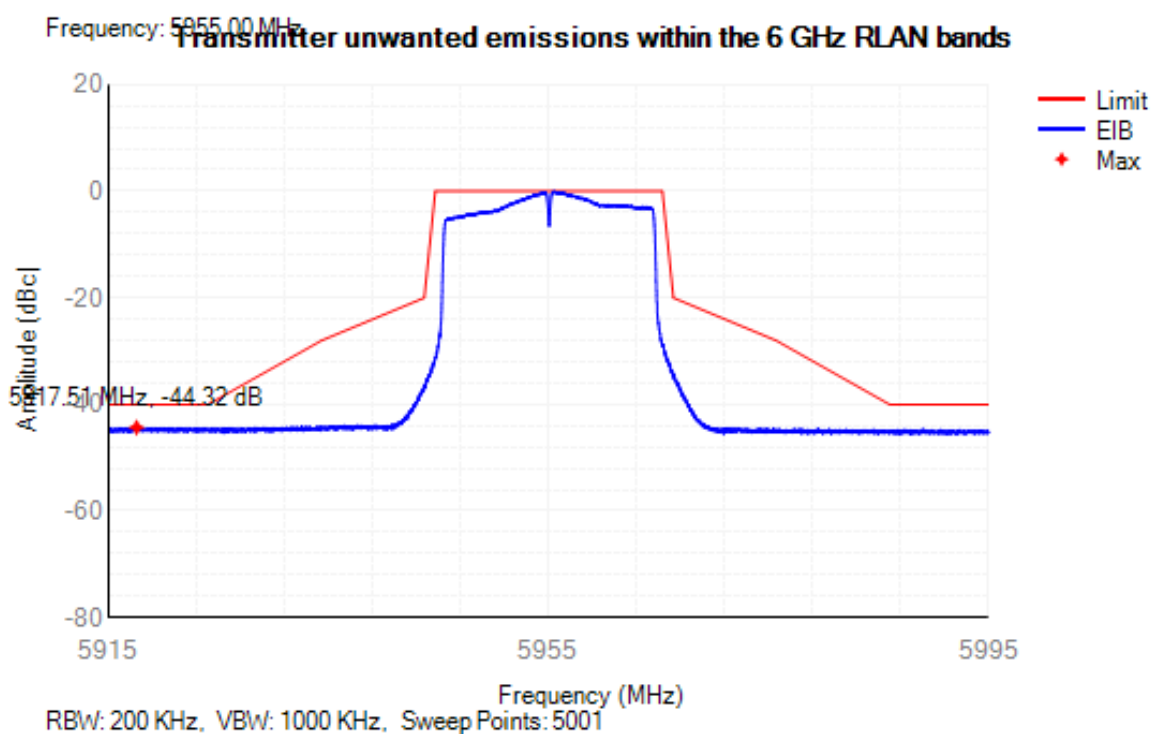
Power spectral mask NVNT ax20 6175MHz



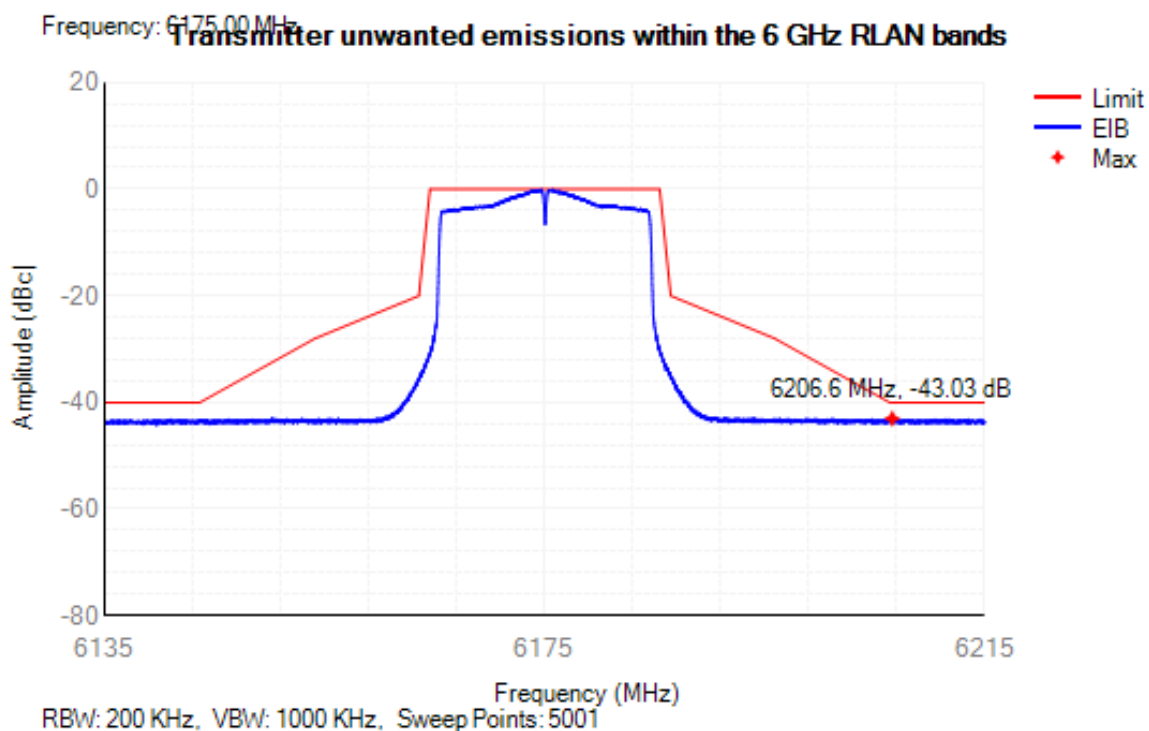
Power spectral mask NVNT ax20 6415MHz



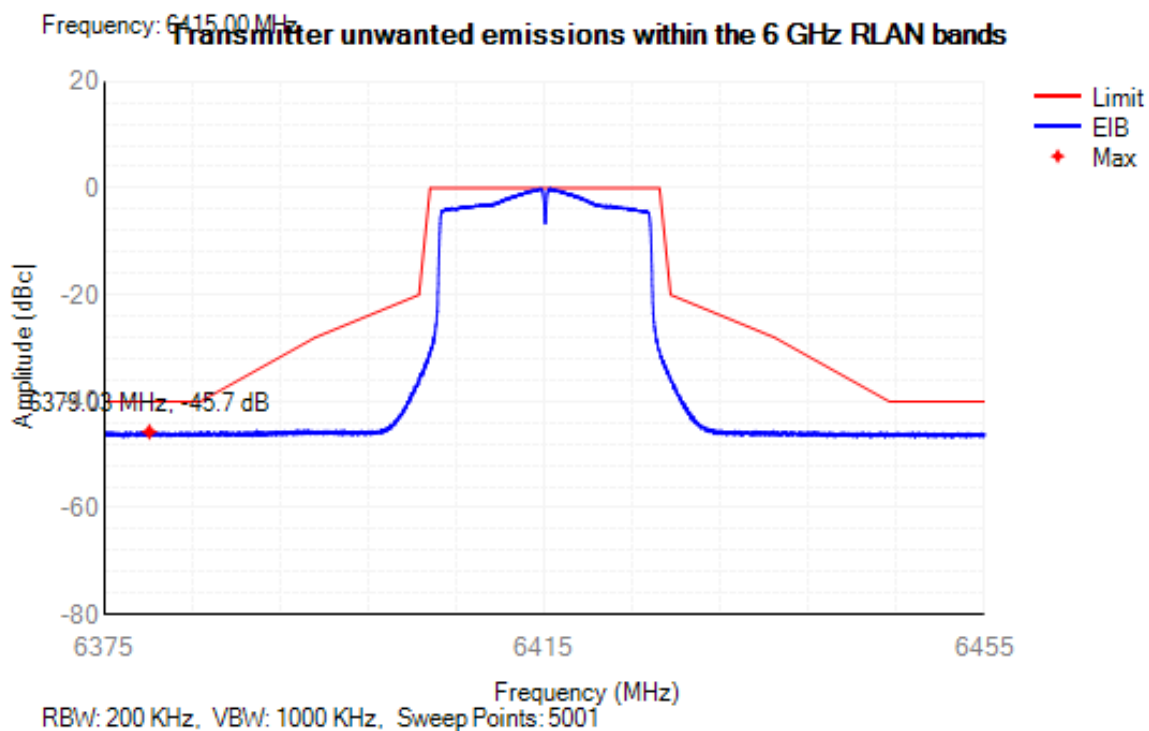
Power spectral mask NVNT ax20 5955MHz



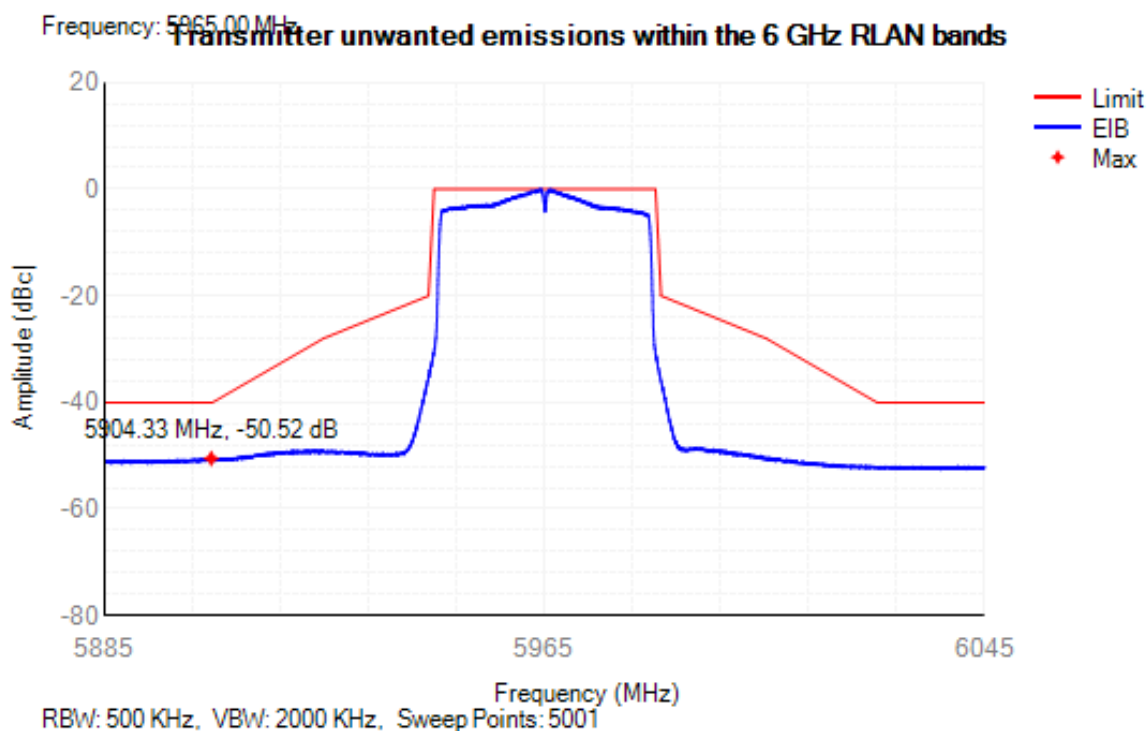
Power spectral mask NVNT ax20 6175MHz



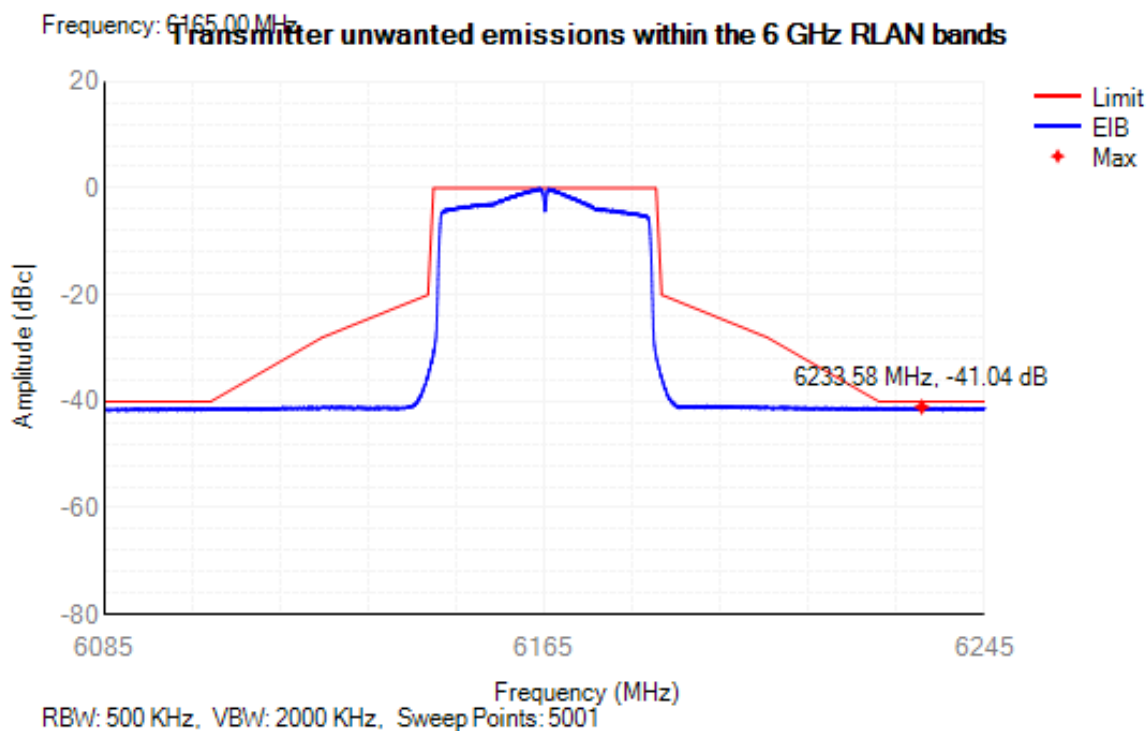
Power spectral mask NVNT ax20 6415MHz



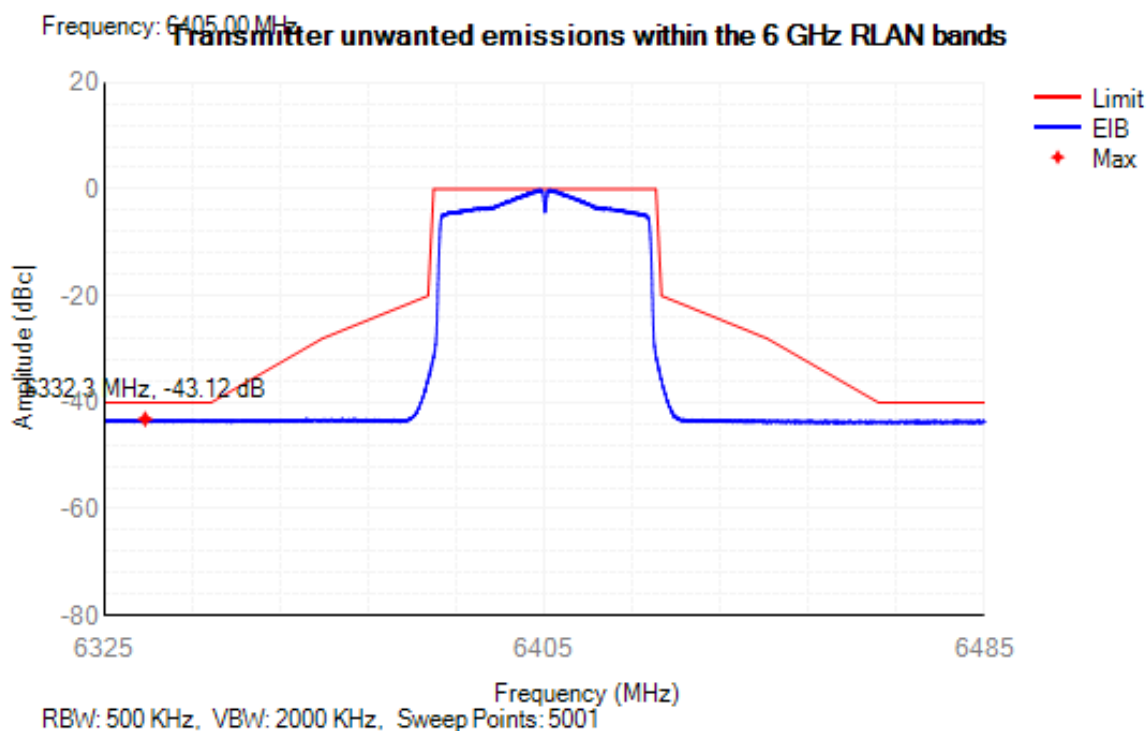
Power spectral mask NVNT ax40 5965MHz



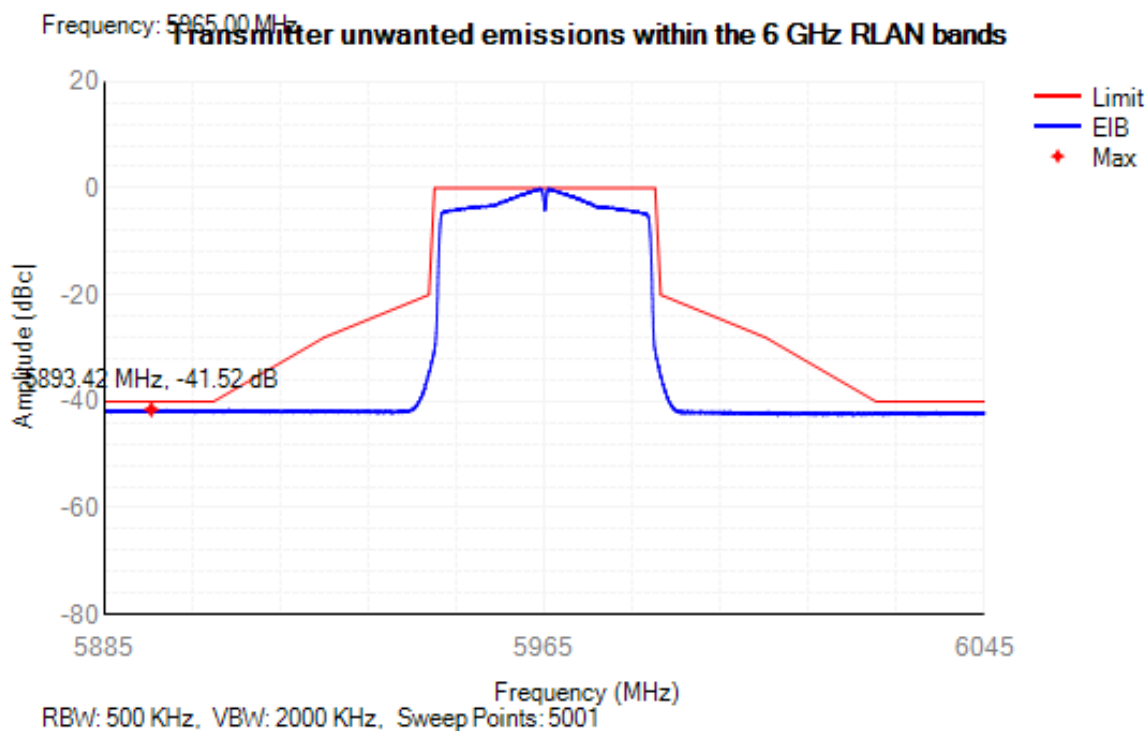
Power spectral mask NVNT ax40 6165MHz



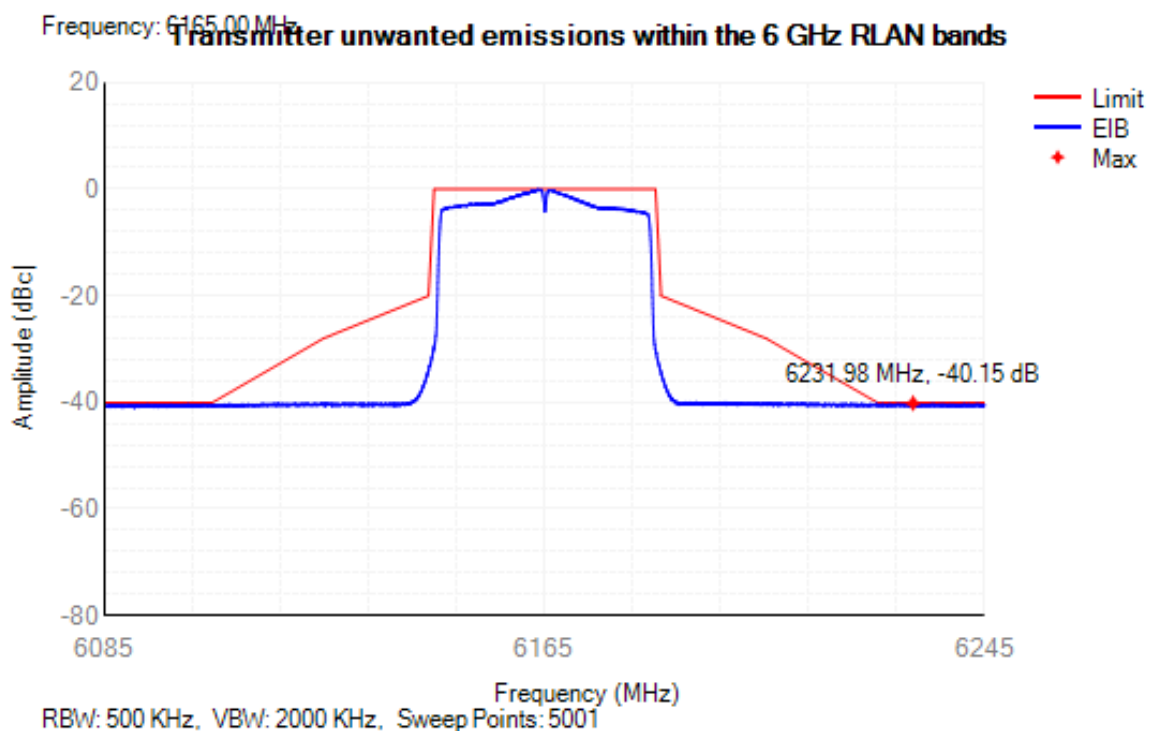
Power spectral mask NVNT ax40 6405MHz



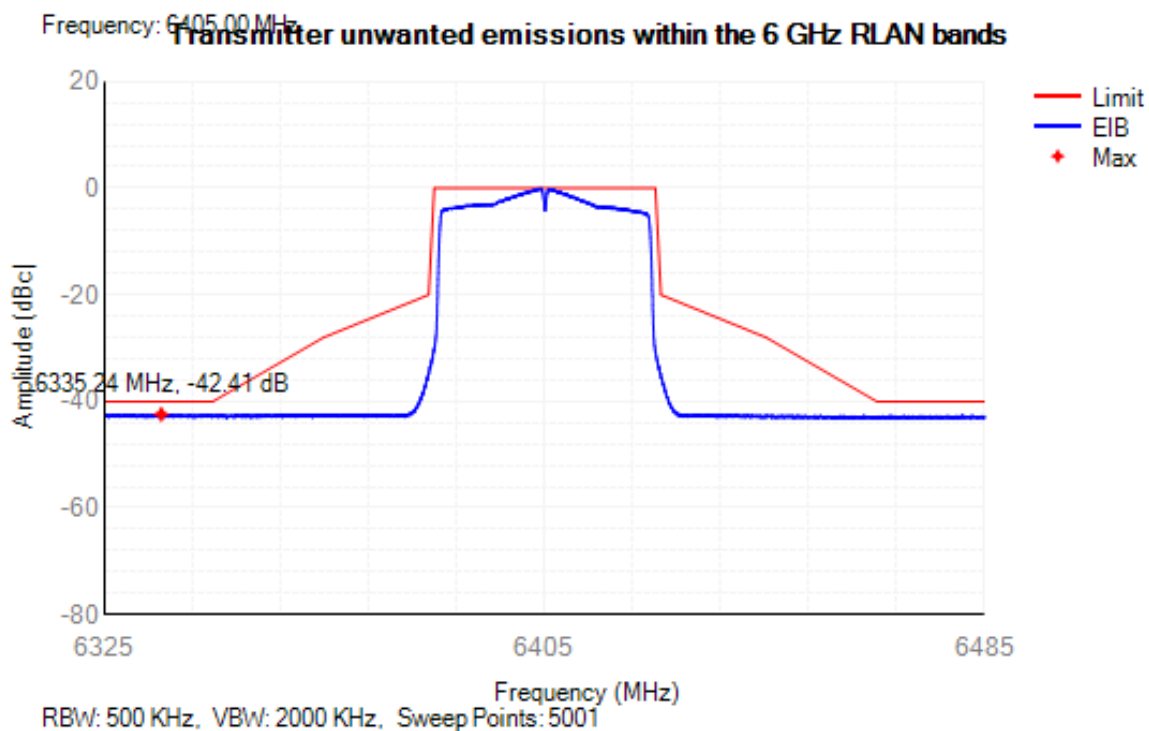
Power spectral mask NVNT ax40 5965MHz



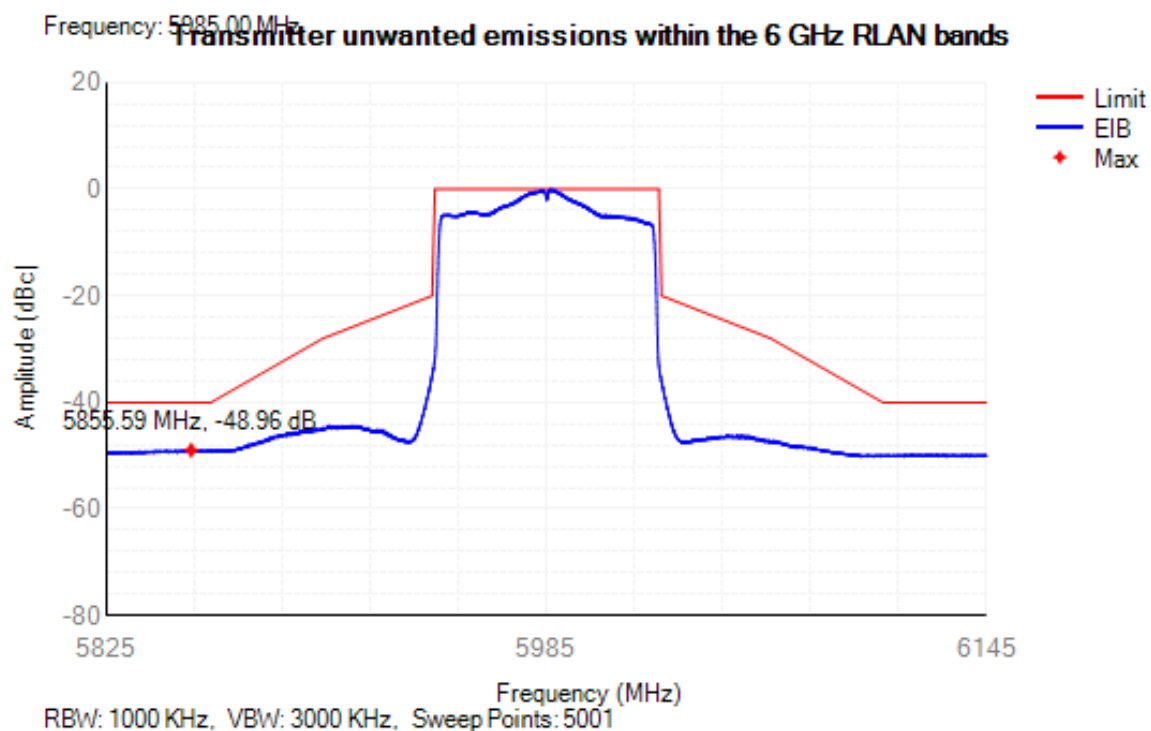
Power spectral mask NVNT ax40 6165MHz



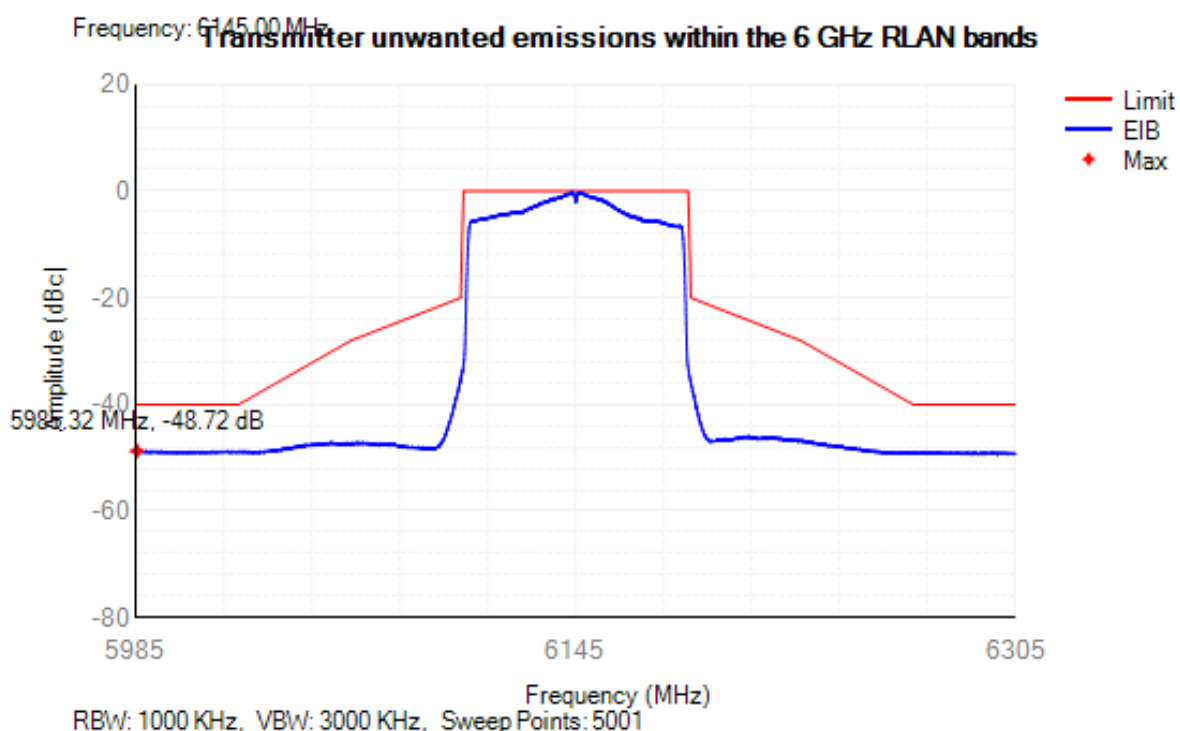
Power spectral mask NVNT ax40 6405MHz



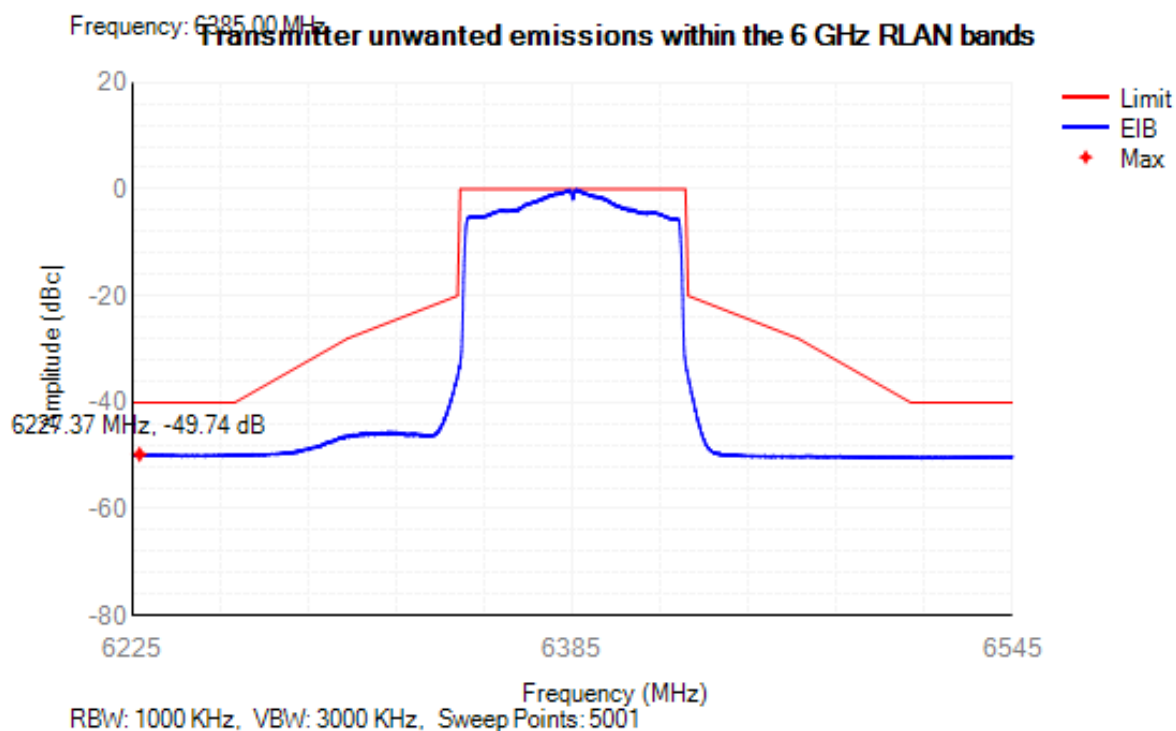
Power spectral mask NVNT ax80 5985MHz



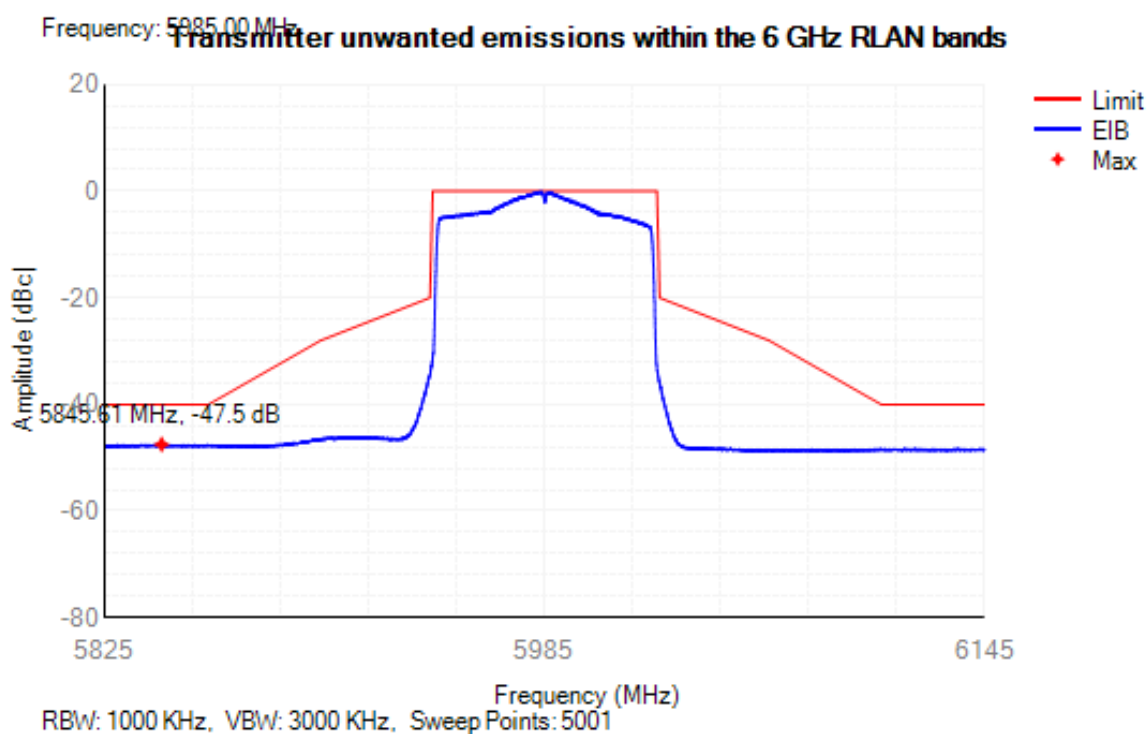
Power spectral mask NVNT ax80 6145MHz



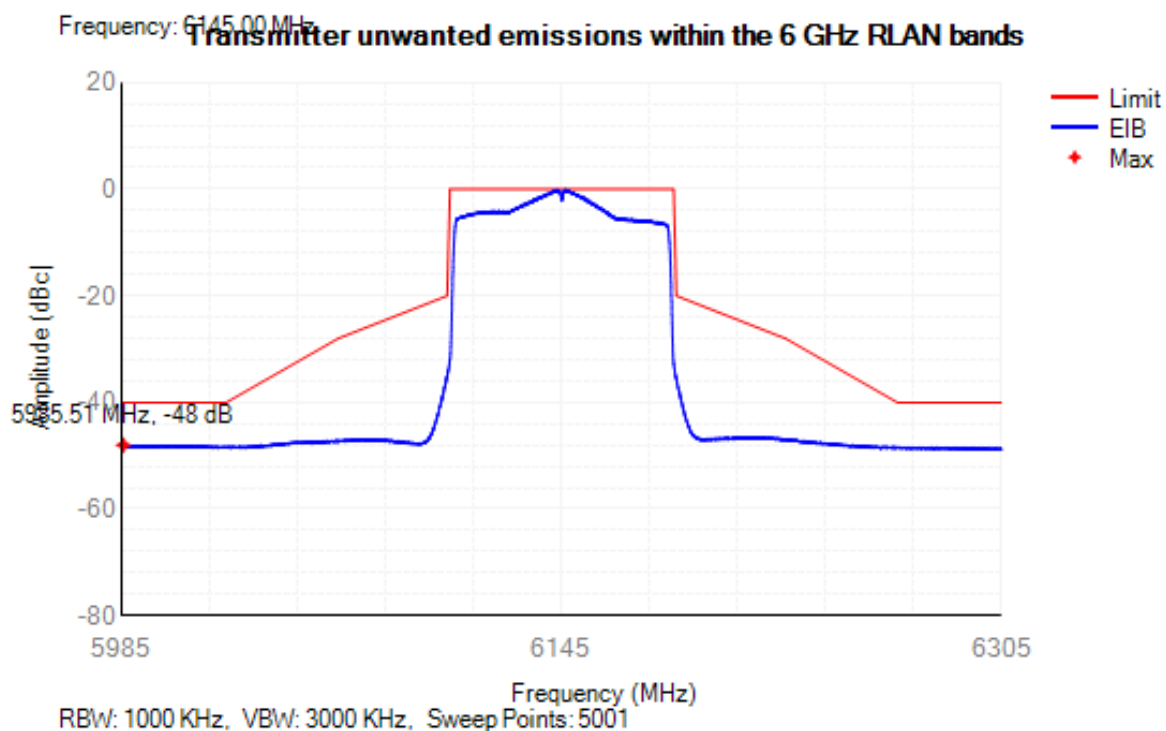
Power spectral mask NVNT ax80 6385MHz



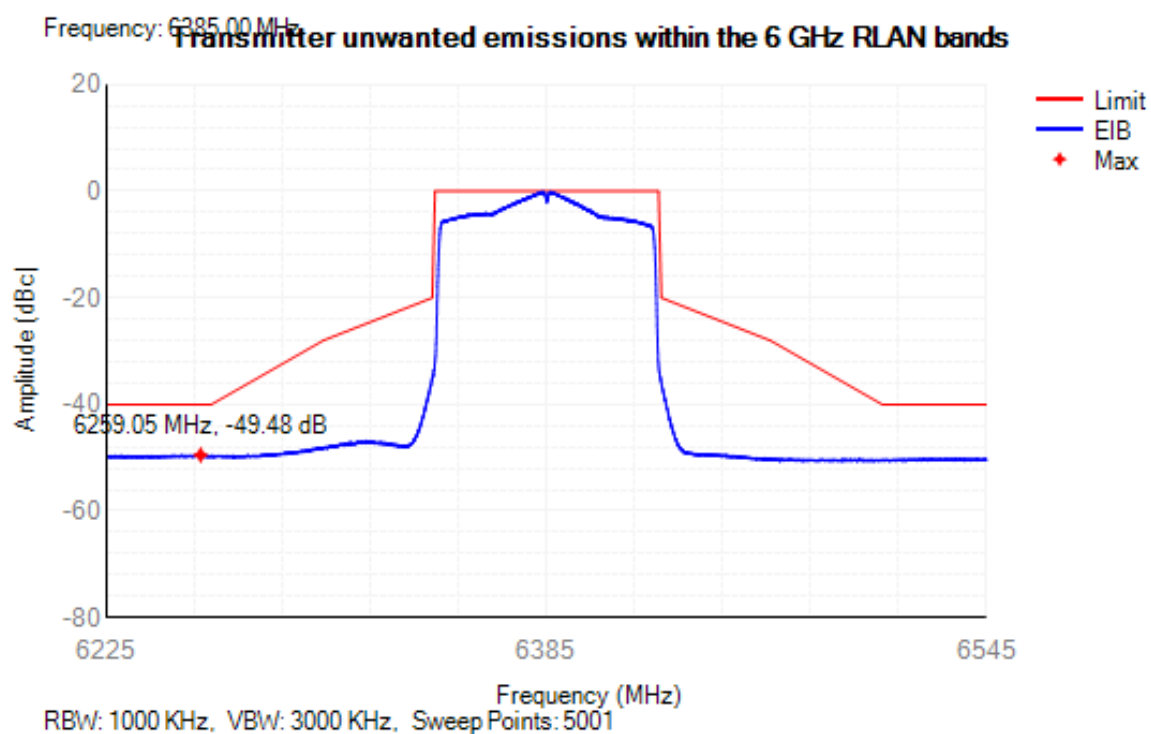
Power spectral mask NVNT ax80 5985MHz



Power spectral mask NVNT ax80 6145MHz

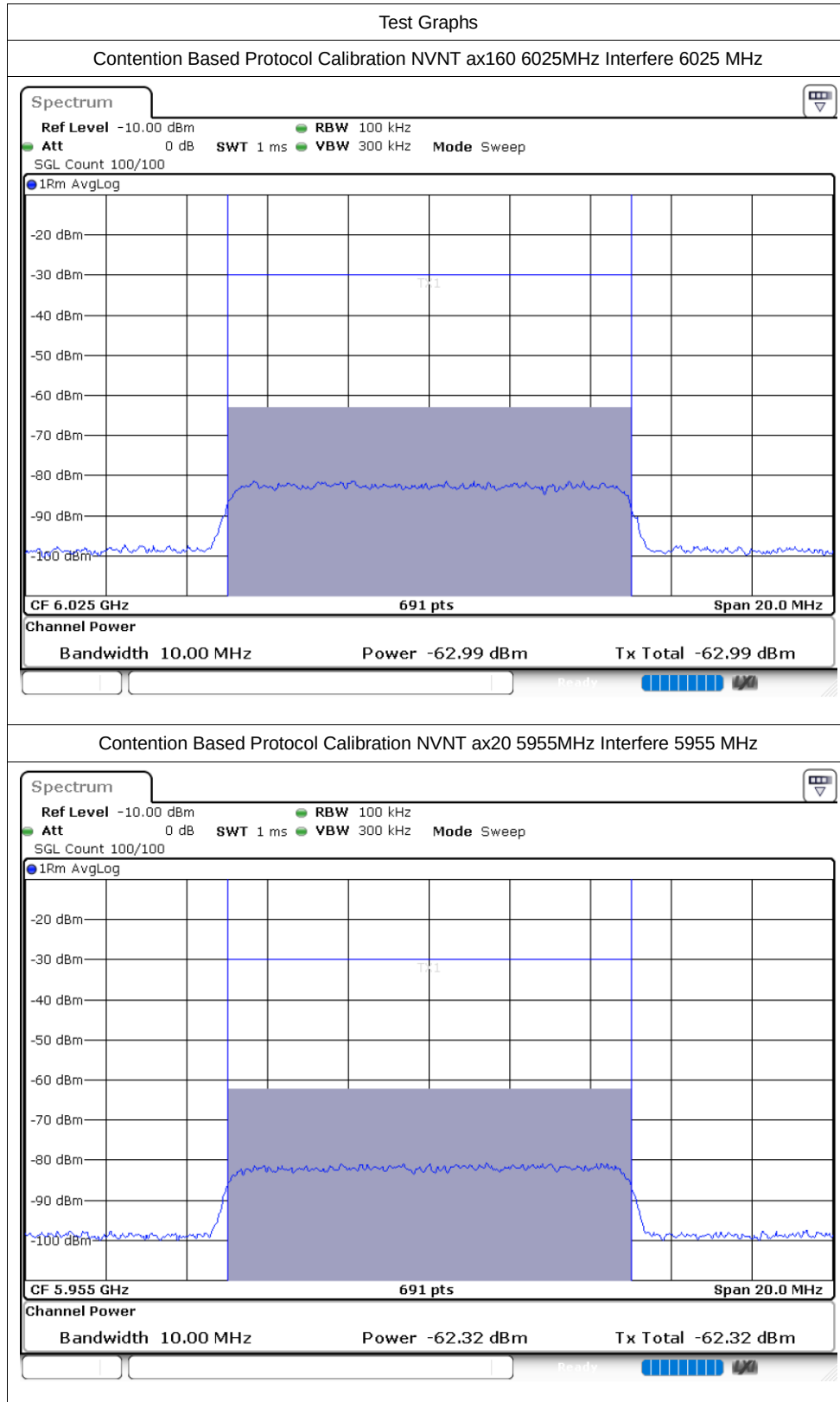


Power spectral mask NVNT ax80 6385MHz



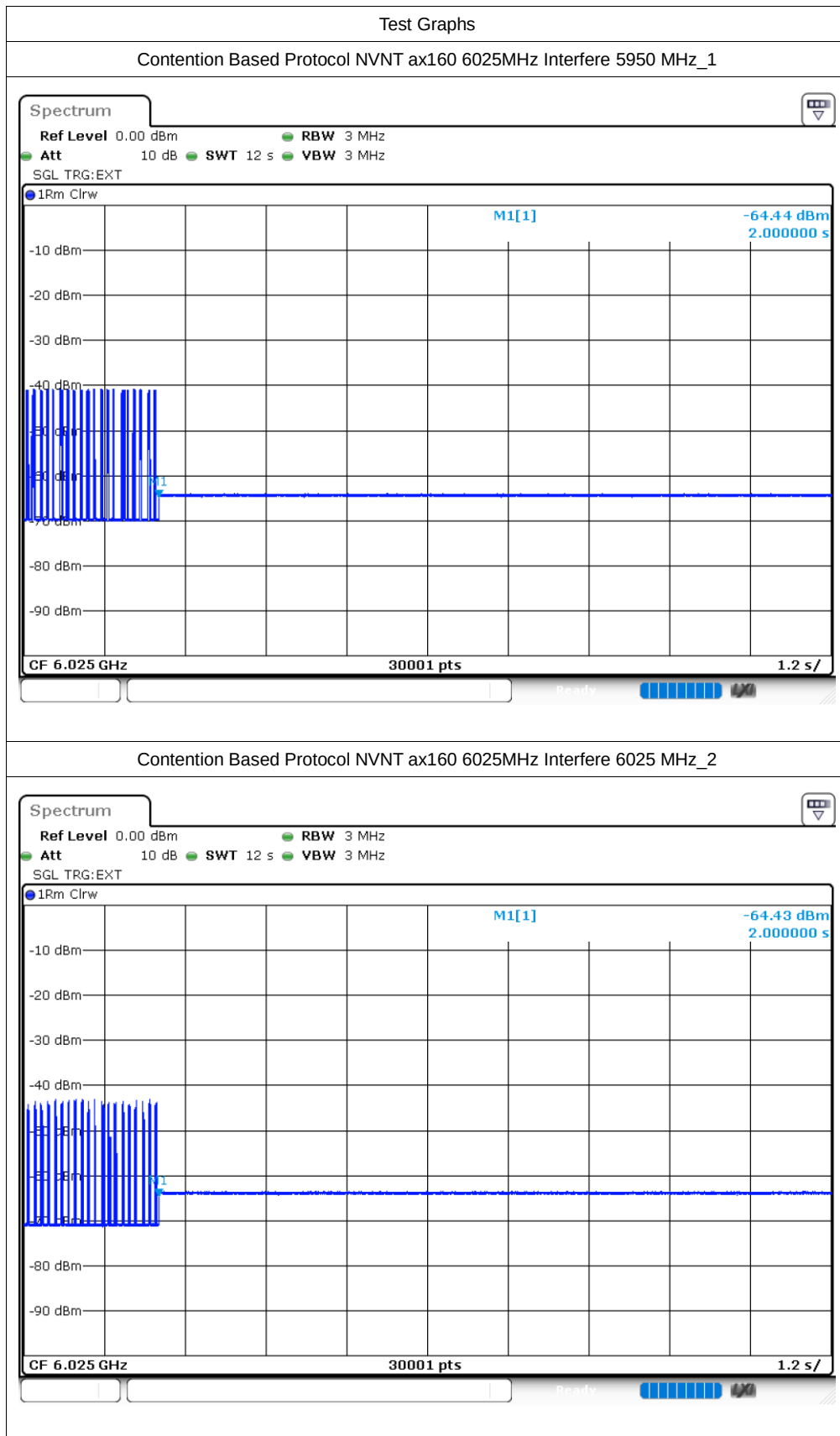
Contention Based Protocol Calibration

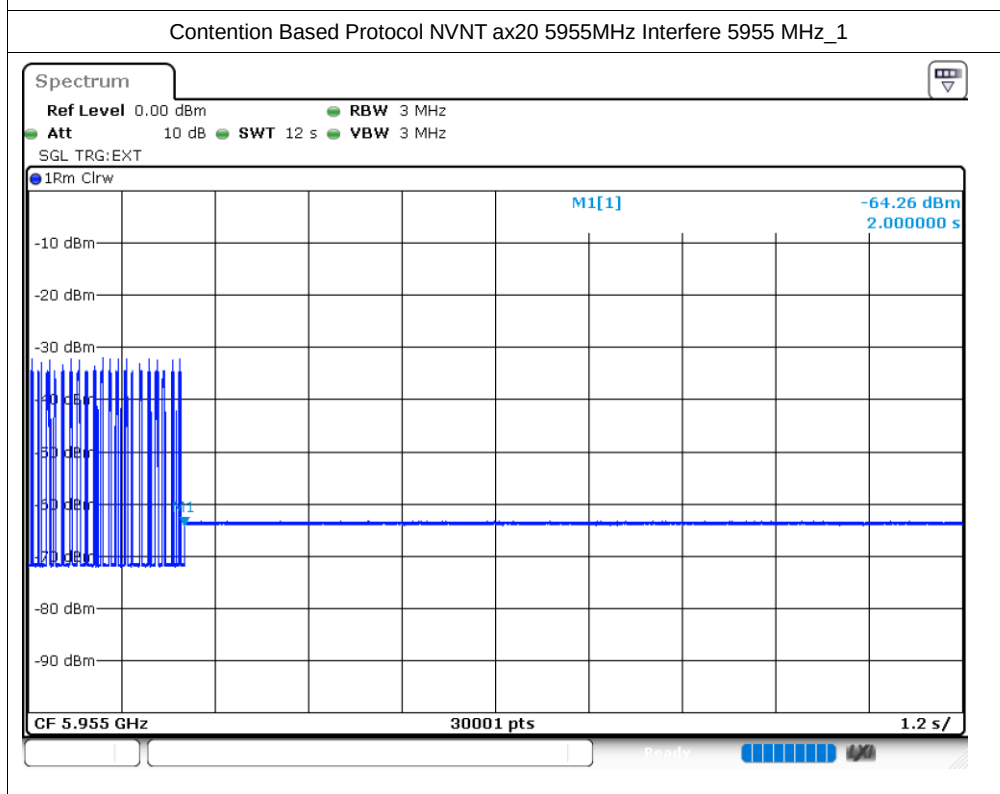
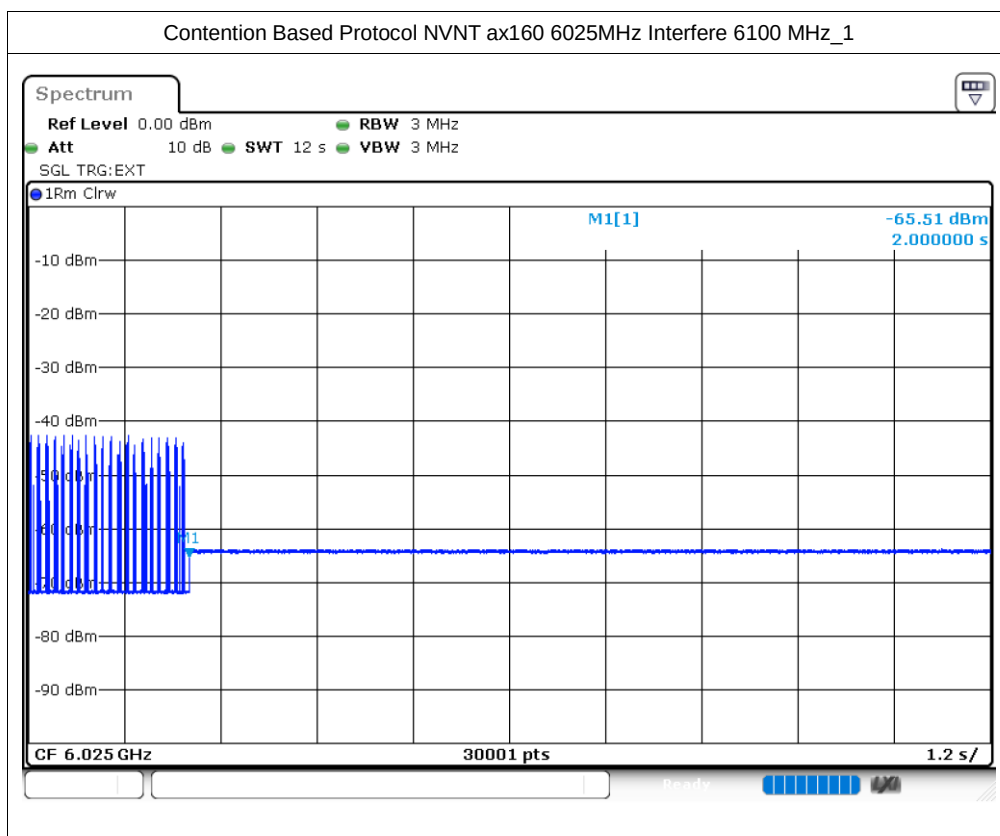
Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Injected Power (dBm)	Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Limit (dBm)
NVNT	ax160	6025	Ant1	Low	6025	-62.99	4.5	1.52	-65.97	-62
NVNT	ax20	5955	Ant1	Center	5955	-62.32	4.5	1.51	-65.31	-62



Contention Based Protocol

Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Time	Detection Probability (%)	Verdict
NVNT	ax160	6025	Ant1	Low	5950	10	100	Pass
NVNT	ax160	6025	Ant1	Middle	6025	10	100	Pass
NVNT	ax160	6025	Ant1	High	6100	10	100	Pass
NVNT	ax20	5955	Ant1	Center	5955	10	100	Pass

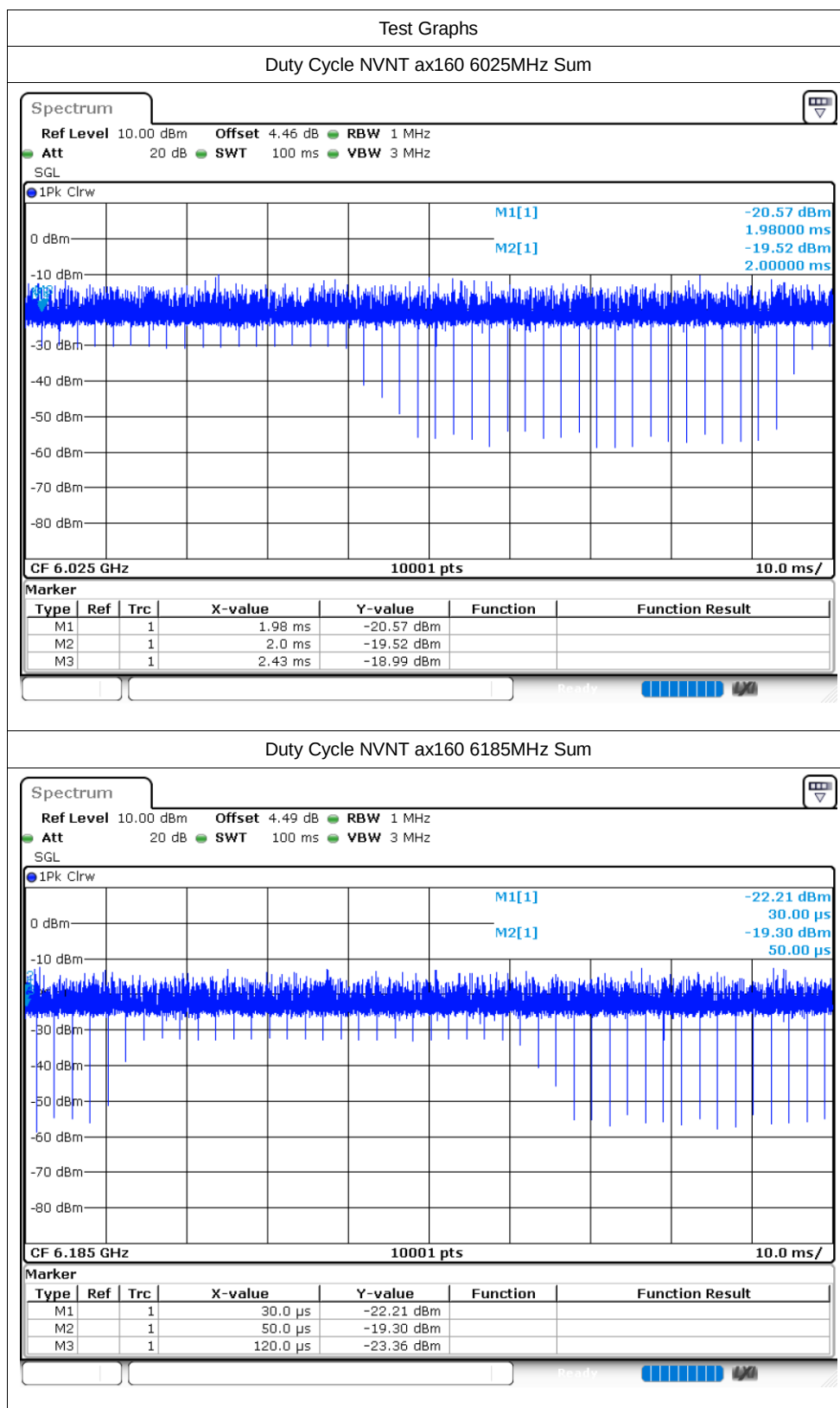


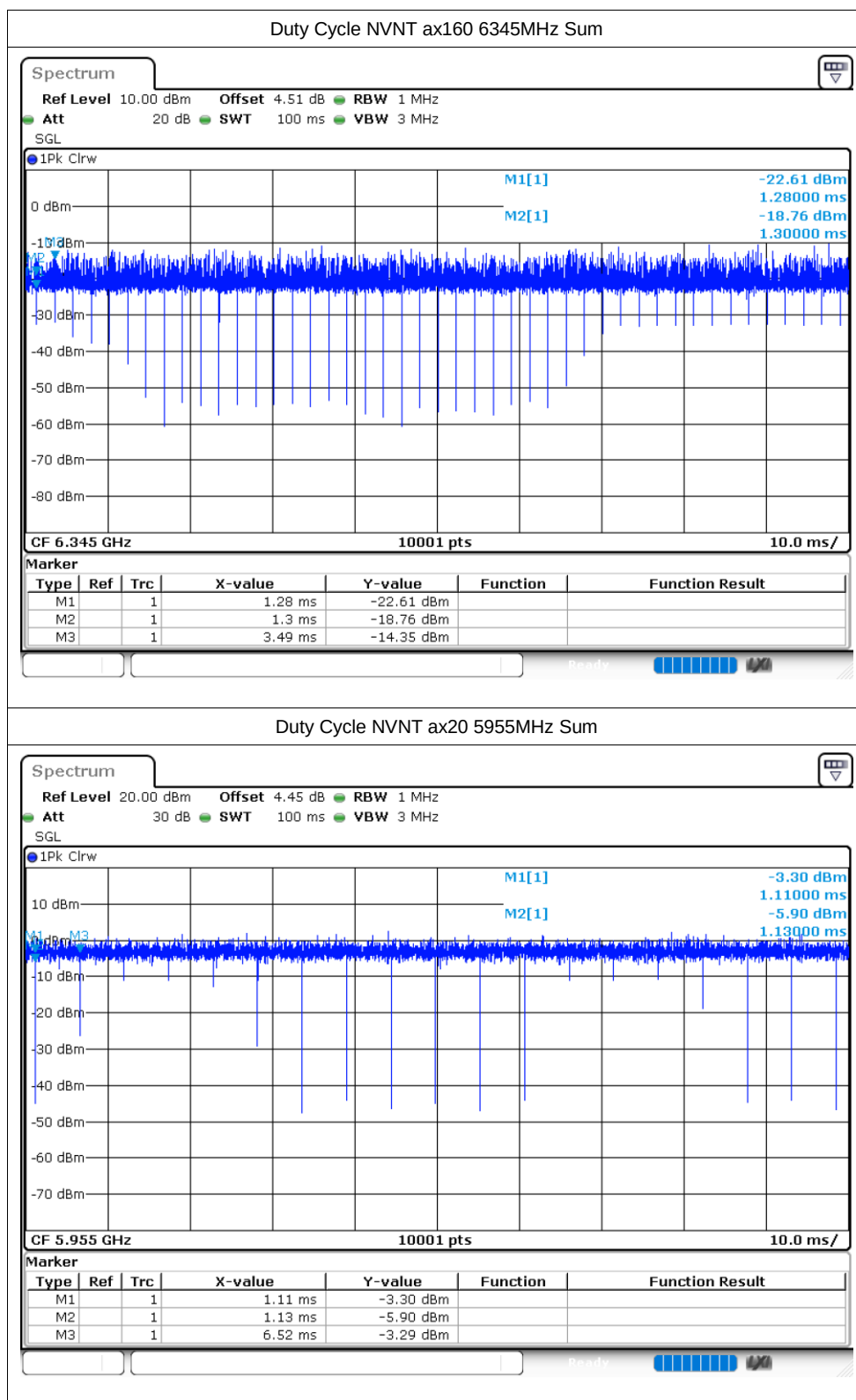


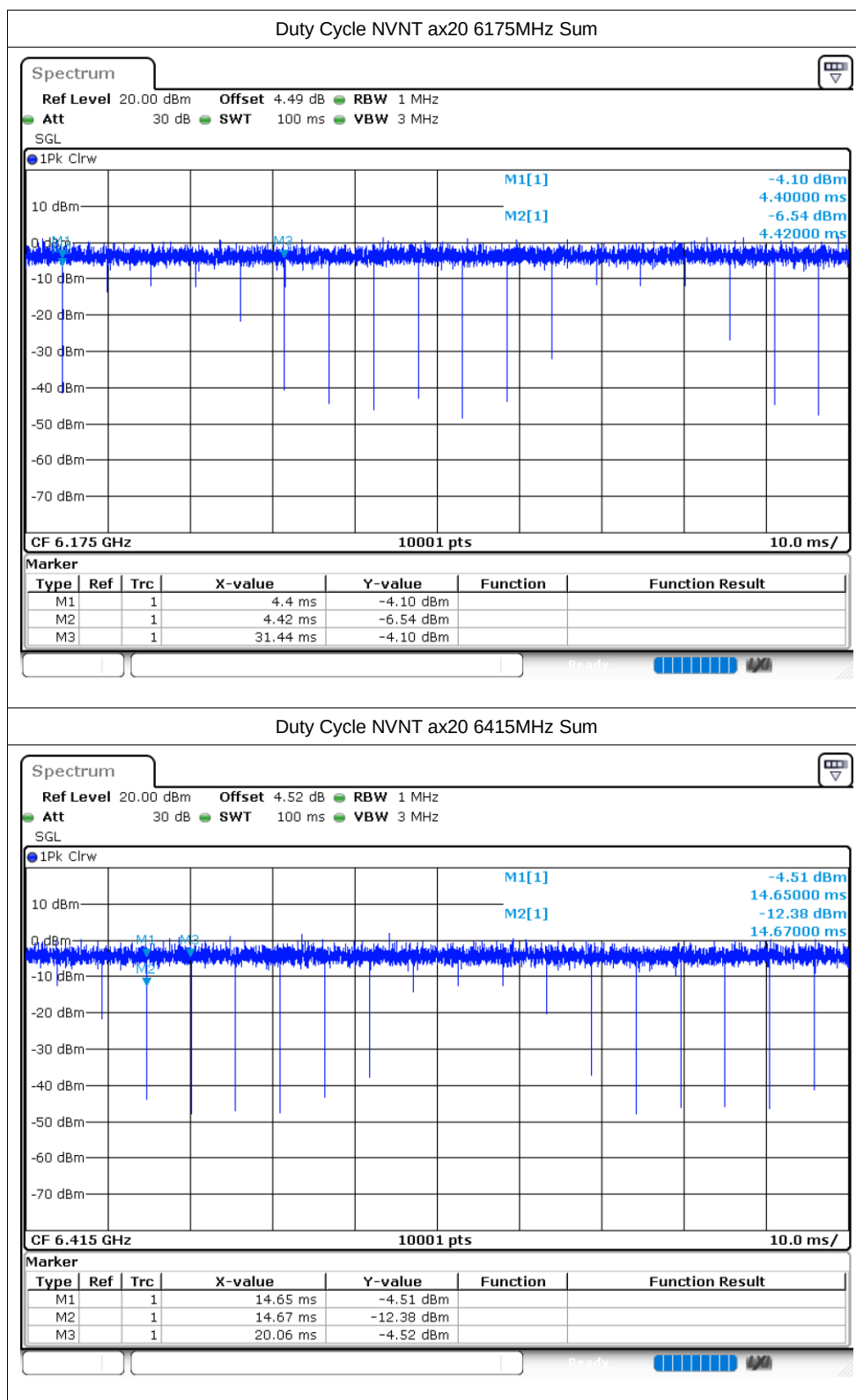
6.2WIFI MIMO

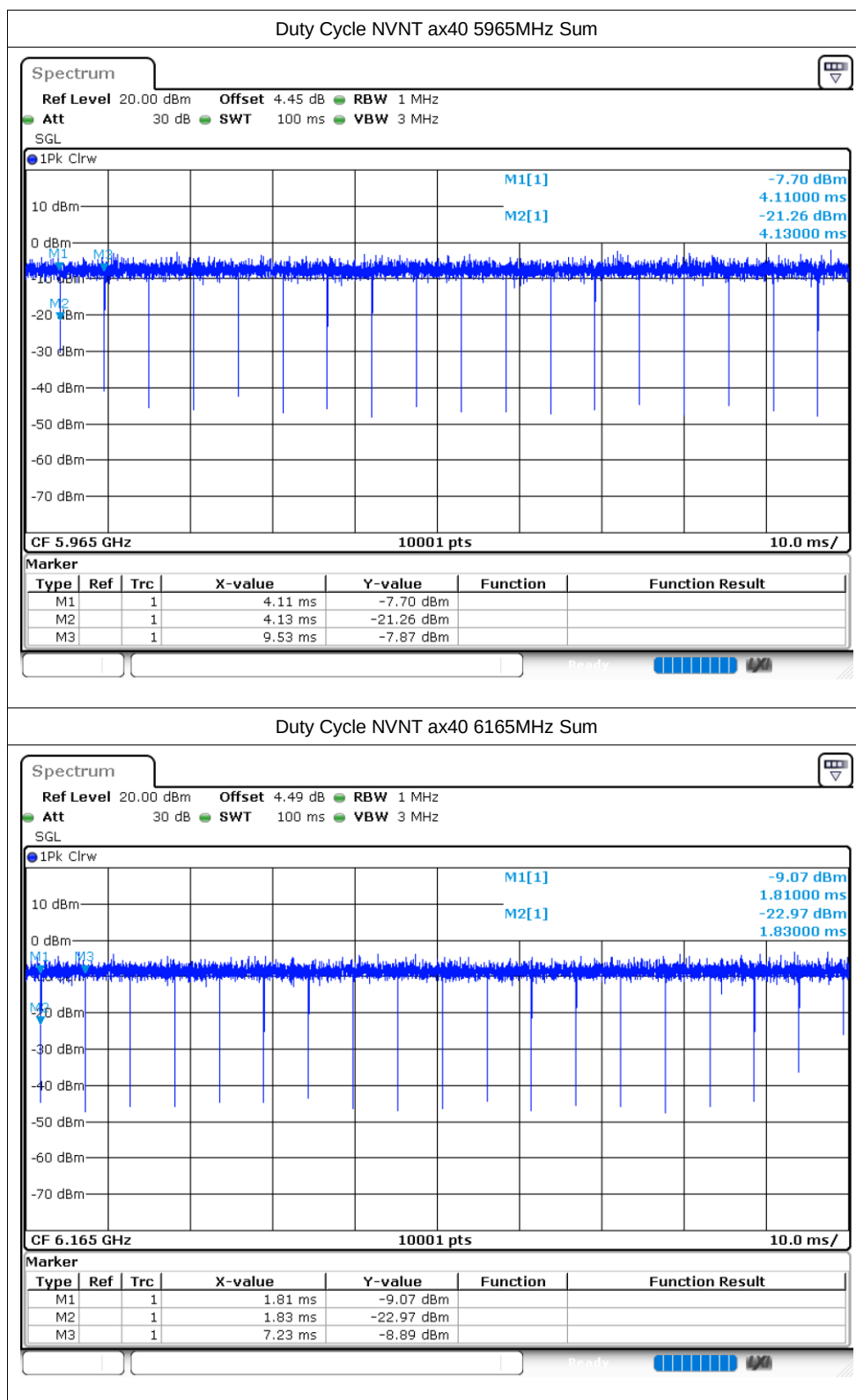
Duty Cycle

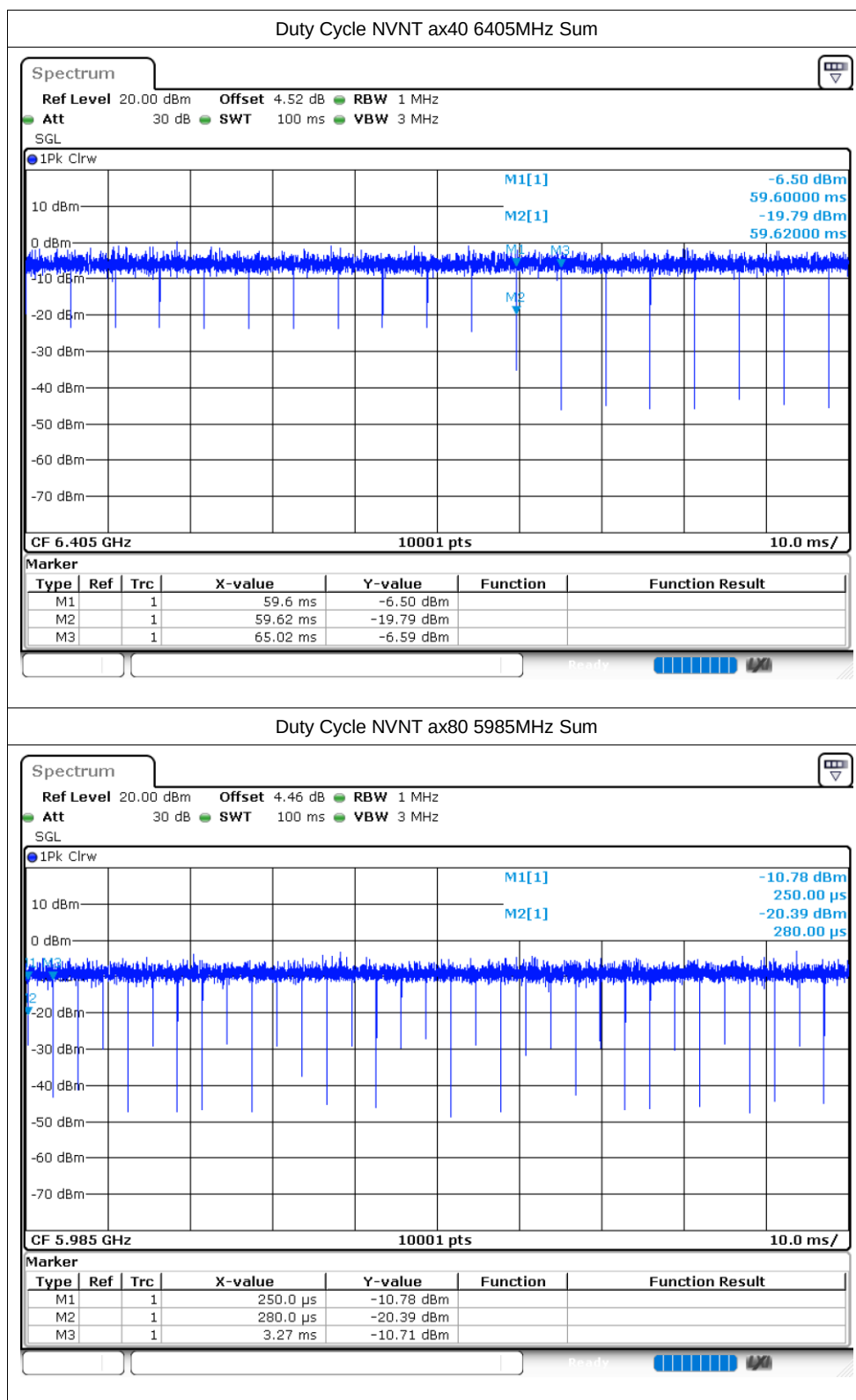
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax160	6025	Sum	99.1	0	0.45
NVNT	ax160	6185	Sum	98.65	0	0.46
NVNT	ax160	6345	Sum	98.65	0	0.46
NVNT	ax20	5955	Sum	99.63	0	0.19
NVNT	ax20	6175	Sum	99.93	0	0.04
NVNT	ax20	6415	Sum	99.63	0	0.19
NVNT	ax40	5965	Sum	99.63	0	0.19
NVNT	ax40	6165	Sum	99.63	0	0.19
NVNT	ax40	6405	Sum	99.63	0	0.19
NVNT	ax80	5985	Sum	99.67	0	0.17
NVNT	ax80	6145	Sum	99.67	0	0.17
NVNT	ax80	6385	Sum	99.34	0	0.33

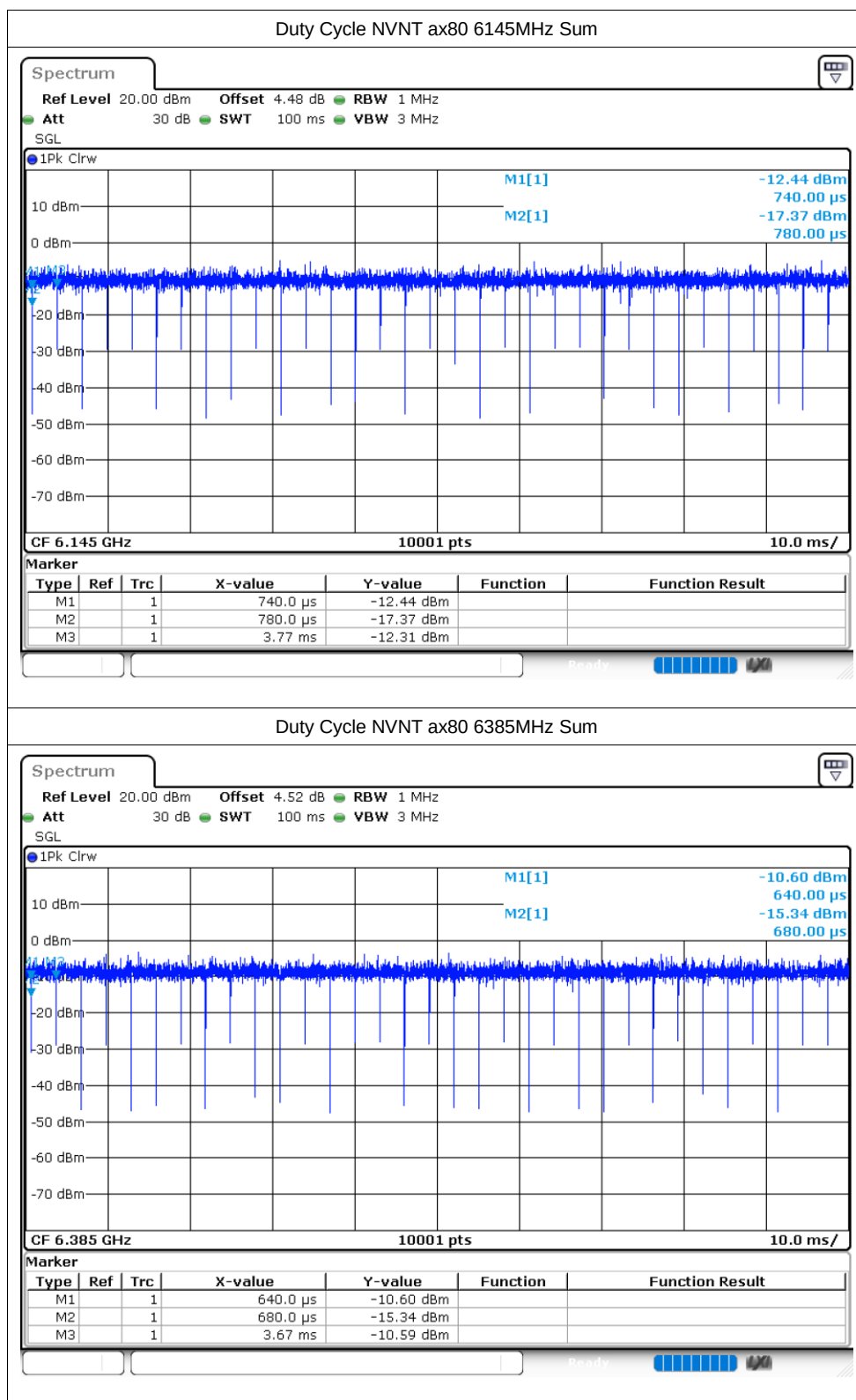












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Gain (dBi)	eirp Power	Limit (dBm)	Verdict
NVNT	ax160	6025	Ant1	8.67	4.5	13.17	24	Pass
NVNT	ax160	6025	Ant2	7.82	4.5	12.32	24	Pass
NVNT	ax160	6025	Sum			18.79	24	Pass
NVNT	ax160	6185	Ant1	8.42	4.5	12.92	24	Pass
NVNT	ax160	6185	Ant2	7.62	4.5	12.12	24	Pass
NVNT	ax160	6185	Sum			18.56	24	Pass
NVNT	ax160	6345	Ant1	7.57	4.5	12.07	24	Pass
NVNT	ax160	6345	Ant2	6.54	4.5	11.04	24	Pass
NVNT	ax160	6345	Sum			17.61	24	Pass
NVNT	ax20	5955	Ant1	0.96	4.5	5.46	24	Pass
NVNT	ax20	5955	Ant2	1.23	4.5	5.73	24	Pass
NVNT	ax20	5955	Sum			11.62	24	Pass
NVNT	ax20	6175	Ant1	0.85	4.5	5.35	24	Pass
NVNT	ax20	6175	Ant2	1.28	4.5	5.78	24	Pass
NVNT	ax20	6175	Sum			11.59	24	Pass
NVNT	ax20	6415	Ant1	2.21	4.5	6.71	24	Pass
NVNT	ax20	6415	Ant2	2.38	4.5	6.88	24	Pass
NVNT	ax20	6415	Sum			9.82	24	Pass
NVNT	ax40	5965	Ant1	3.81	4.5	8.31	24	Pass
NVNT	ax40	5965	Ant2	3.5	4.5	8	24	Pass
NVNT	ax40	5965	Sum			14.18	24	Pass
NVNT	ax40	6165	Ant1	1.99	4.5	6.49	24	Pass
NVNT	ax40	6165	Ant2	2.68	4.5	7.18	24	Pass
NVNT	ax40	6165	Sum			12.87	24	Pass
NVNT	ax40	6405	Ant1	3.02	4.5	7.52	24	Pass
NVNT	ax40	6405	Ant2	3.18	4.5	7.68	24	Pass
NVNT	ax40	6405	Sum			13.62	24	Pass
NVNT	ax80	5985	Ant1	4.04	4.5	8.54	24	Pass
NVNT	ax80	5985	Ant2	3.33	4.5	7.83	24	Pass
NVNT	ax80	5985	Sum			14.22	24	Pass
NVNT	ax80	6145	Ant1	2.41	4.5	6.91	24	Pass
NVNT	ax80	6145	Ant2	2.54	4.5	7.04	24	Pass
NVNT	ax80	6145	Sum			13.0	24	Pass
NVNT	ax80	6385	Ant1	4.54	4.5	9.04	24	Pass
NVNT	ax80	6385	Ant2	5.17	4.5	9.67	24	Pass
NVNT	ax80	6385	Sum			15.39	24	Pass

Note: The Duty Cycle factor has already been included.

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax160	6025	Ant1	154.329
NVNT	ax160	6025	Ant2	154.857
NVNT	ax160	6185	Ant1	155.048
NVNT	ax160	6185	Ant2	155.408
NVNT	ax160	6345	Ant1	154.521
NVNT	ax160	6345	Ant2	154.545
NVNT	ax20	5955	Ant1	18.883
NVNT	ax20	5955	Ant2	18.844
NVNT	ax20	6175	Ant1	18.862
NVNT	ax20	6175	Ant2	18.856
NVNT	ax20	6415	Ant1	18.853
NVNT	ax20	6415	Ant2	18.844
NVNT	ax40	5965	Ant1	37.712
NVNT	ax40	5965	Ant2	37.532
NVNT	ax40	6165	Ant1	37.544
NVNT	ax40	6165	Ant2	37.586
NVNT	ax40	6405	Ant1	37.574
NVNT	ax40	6405	Ant2	37.52
NVNT	ax80	5985	Ant1	76.696
NVNT	ax80	5985	Ant2	75.592
NVNT	ax80	6145	Ant1	76.612
NVNT	ax80	6145	Ant2	76.324
NVNT	ax80	6385	Ant1	76.804
NVNT	ax80	6385	Ant2	75.712

