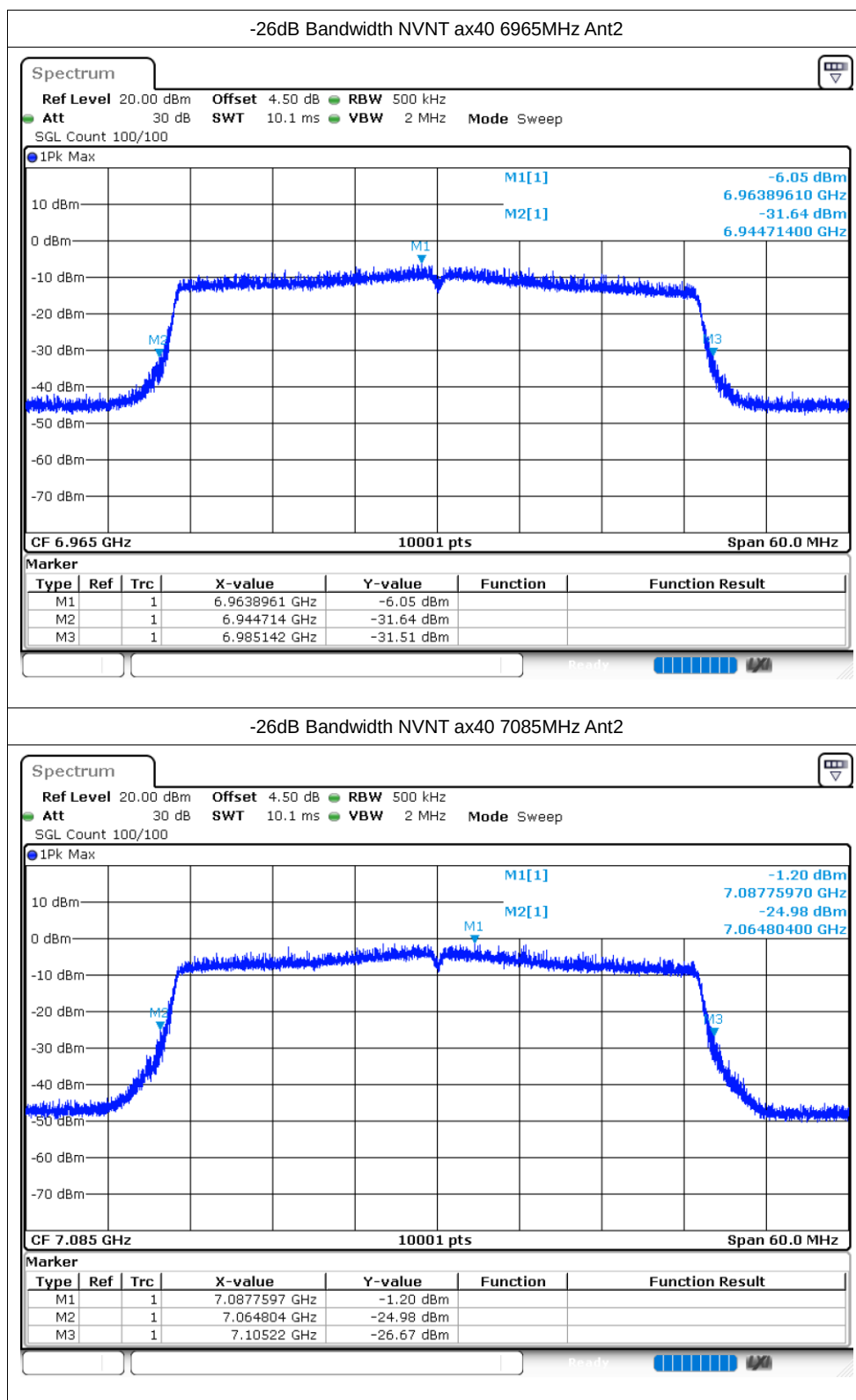
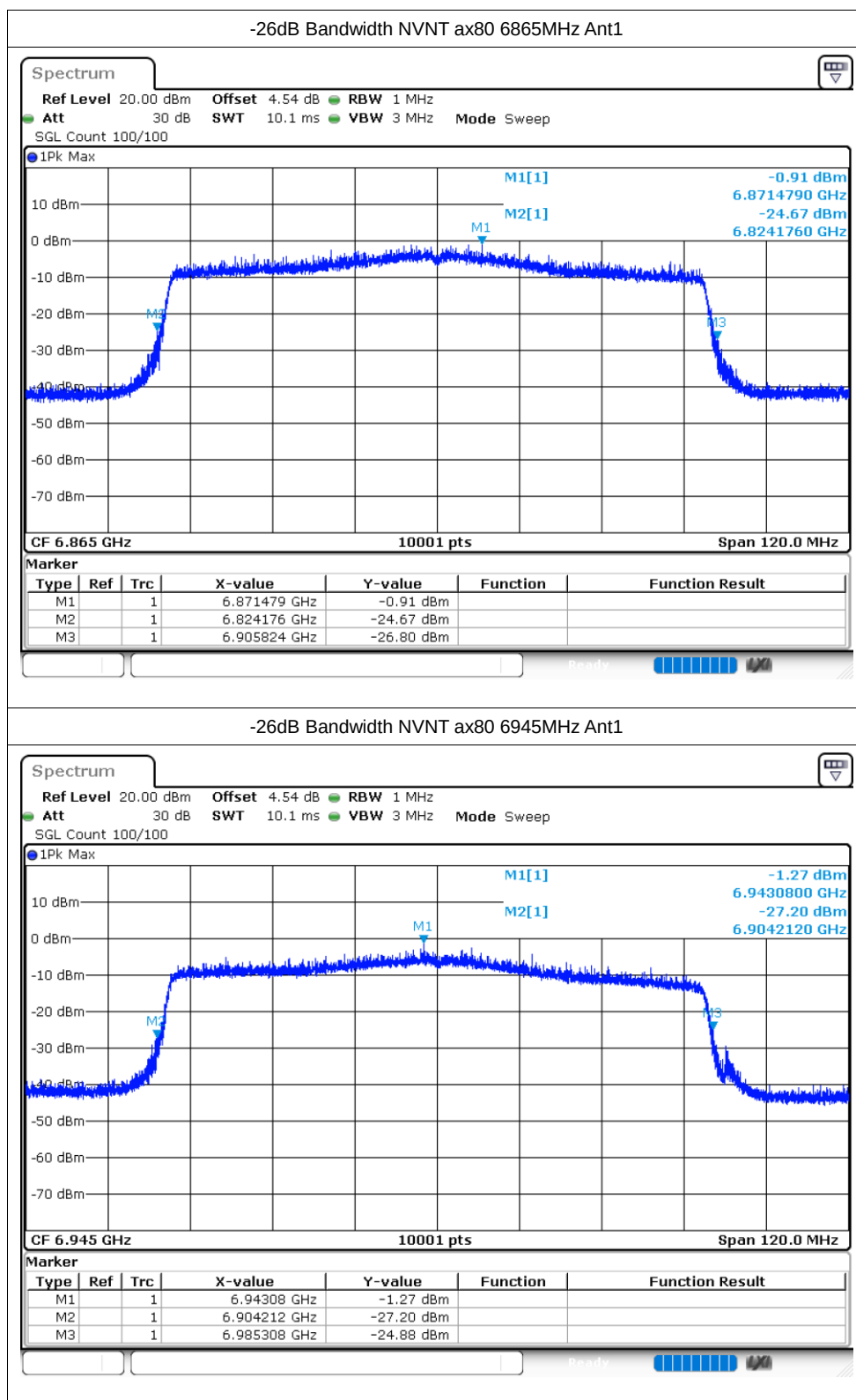
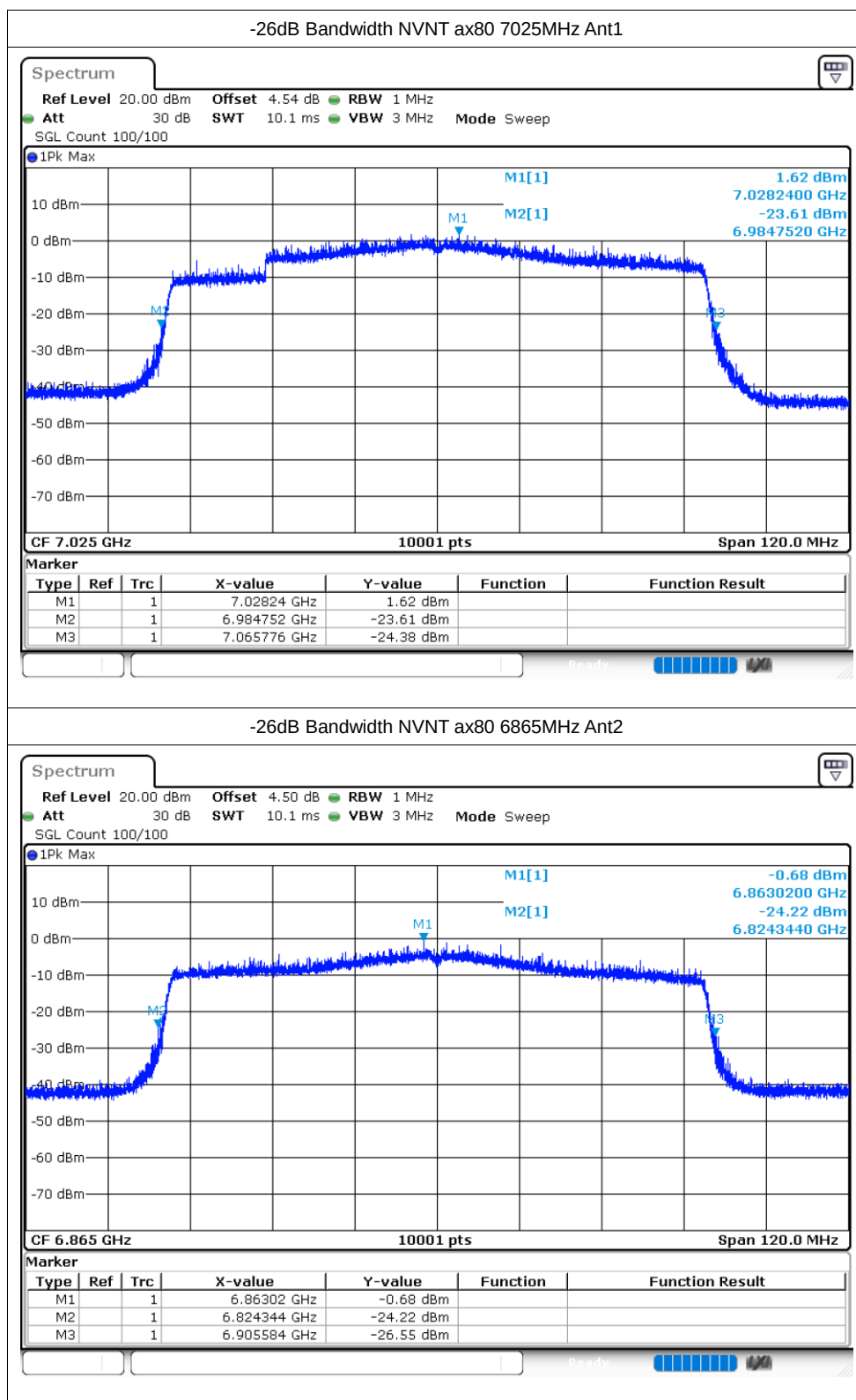
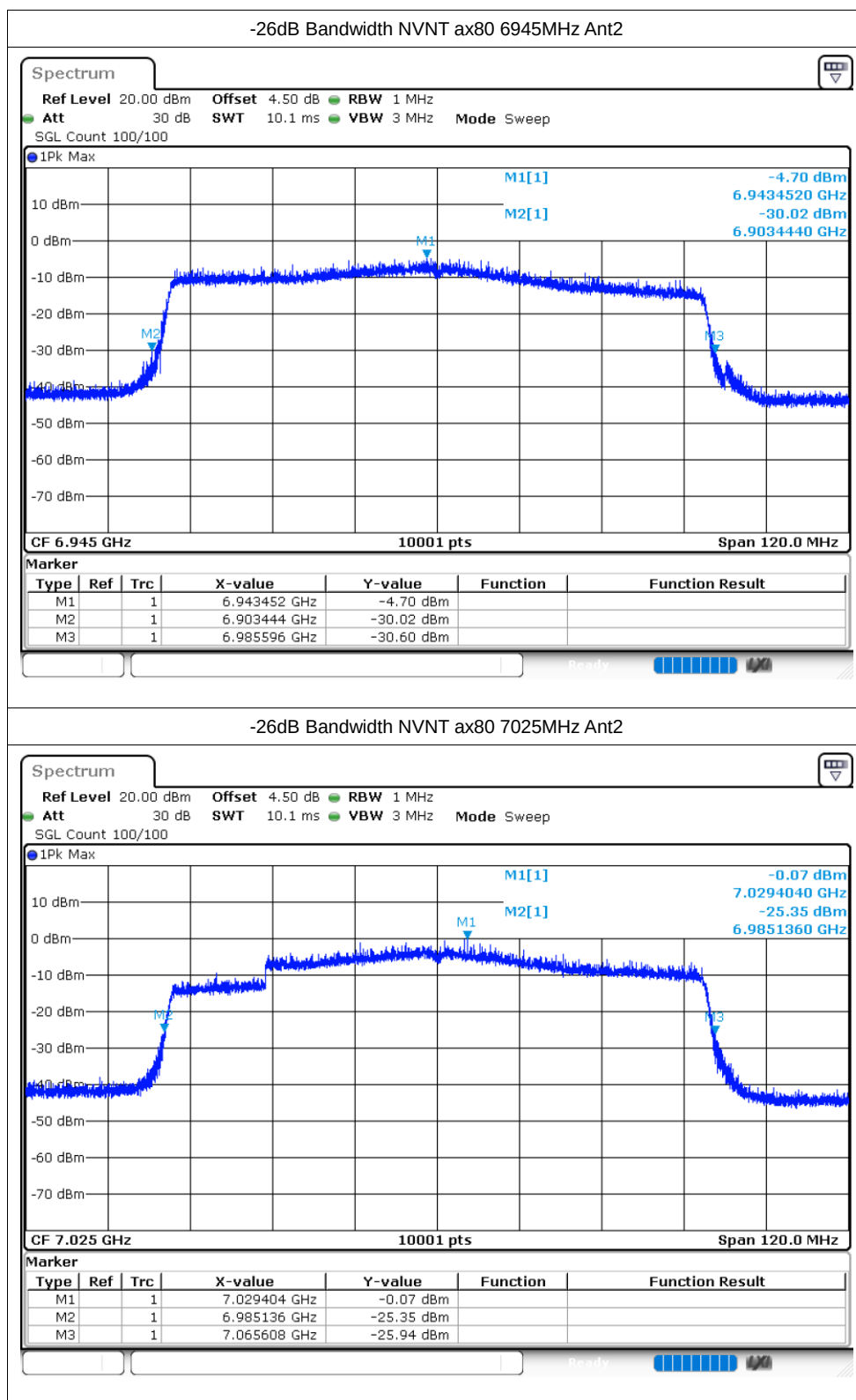




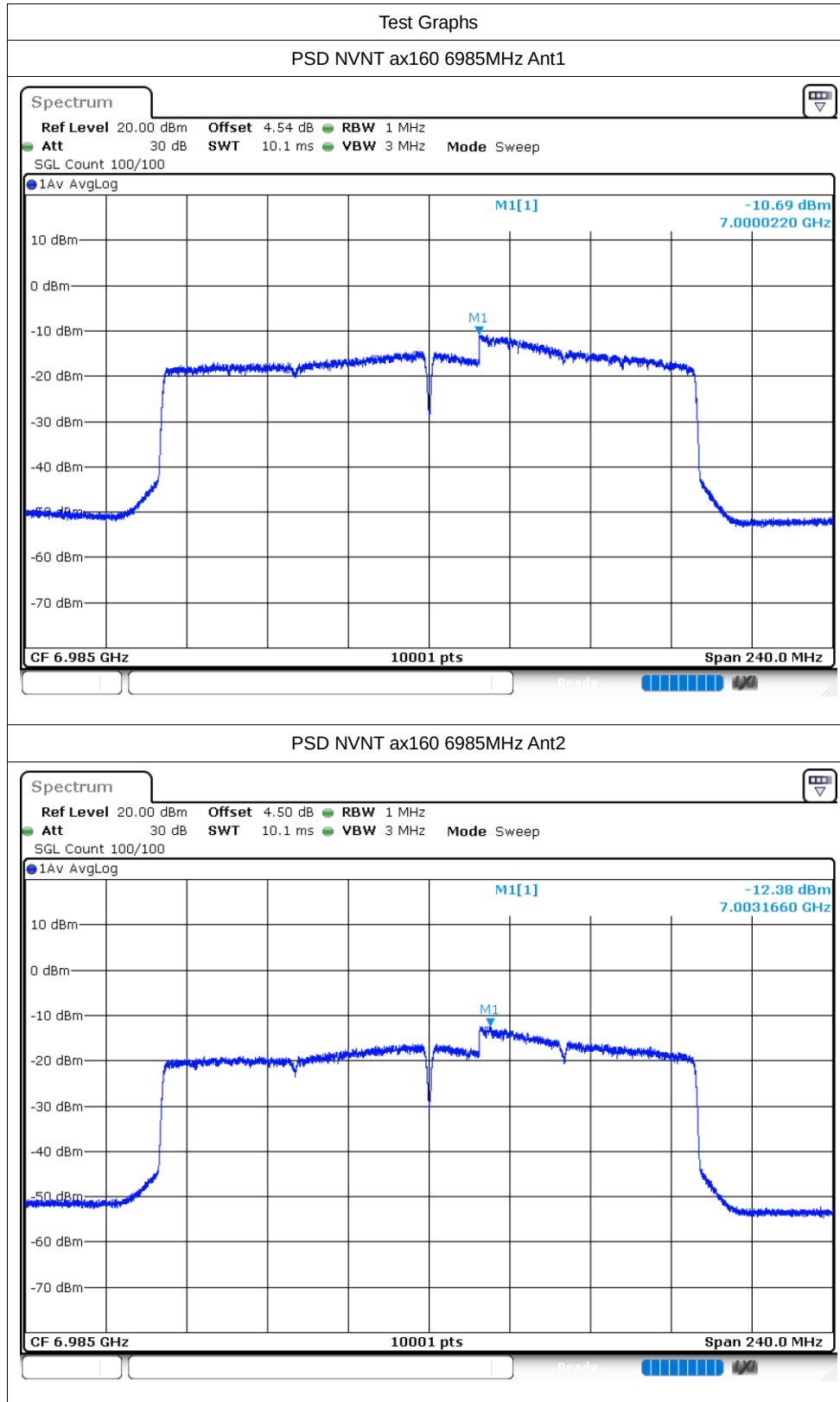


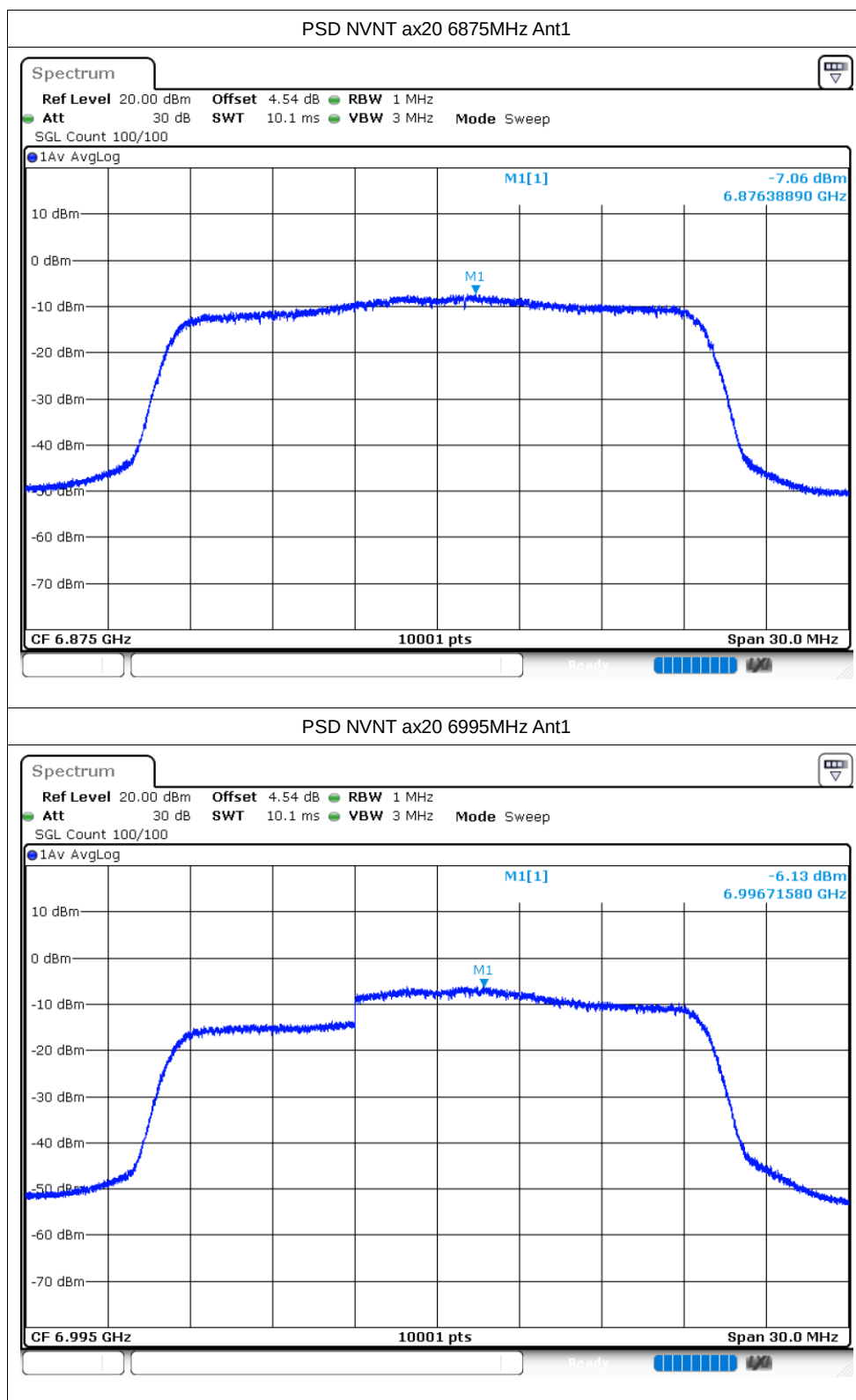


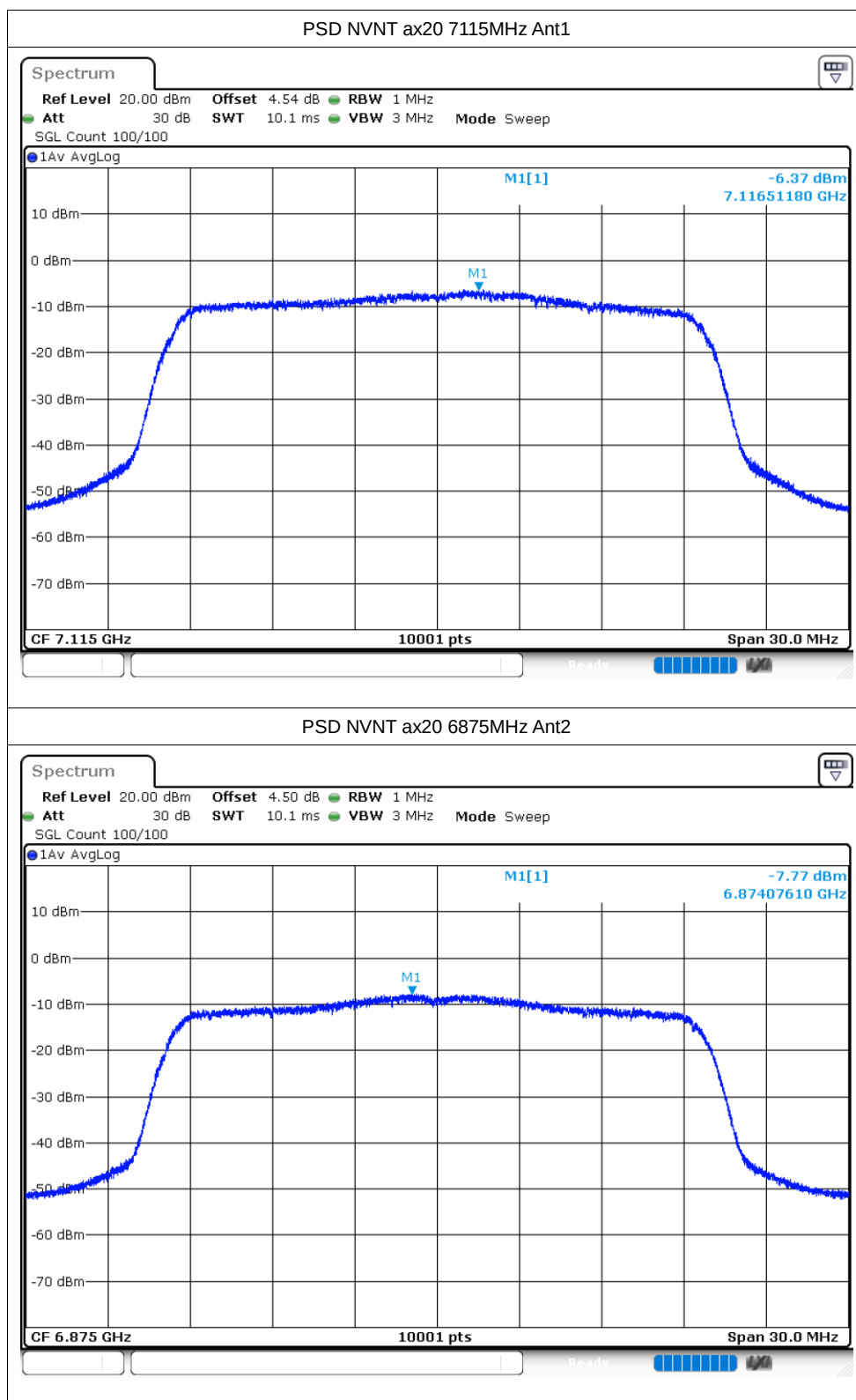


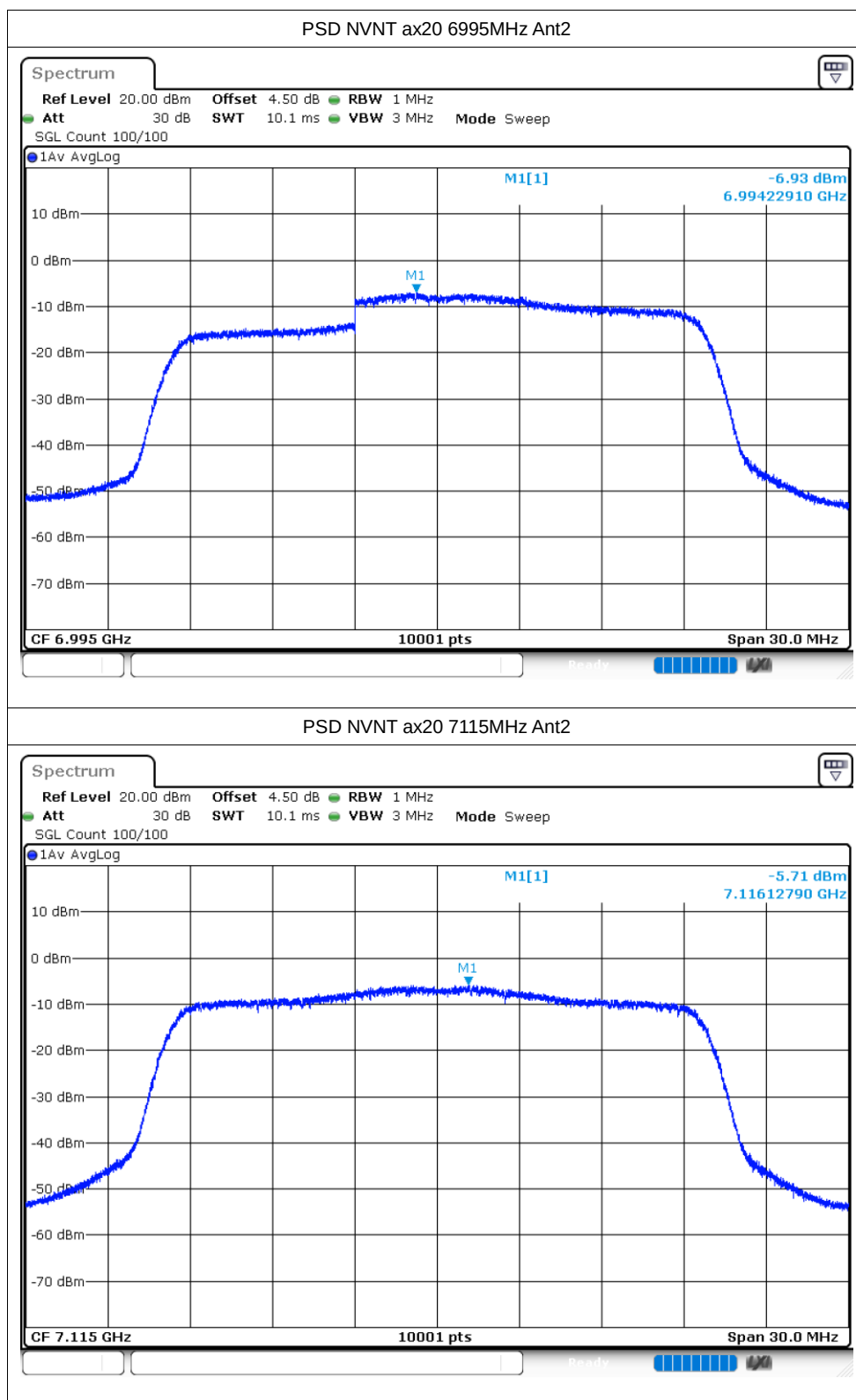
Maximum Power Spectral Density Level

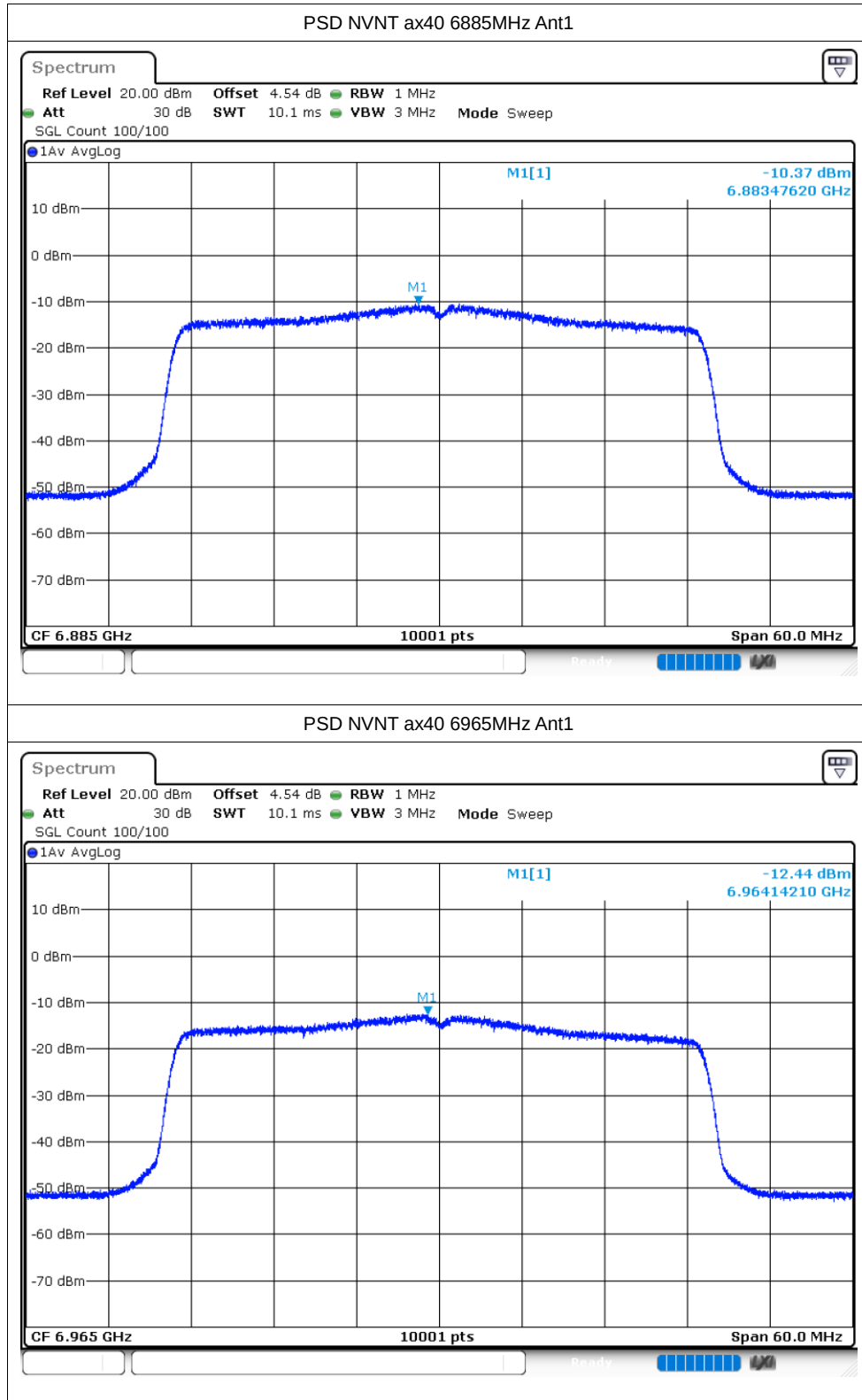
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Gain (dBi)	eirp PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6985	Ant1	-10.69	0	-10.69	4.5	-6.19	-1	Pass
NVNT	ax160	6985	Ant2	-12.38	0	-12.38	4.5	-7.88	-1	Pass
NVNT	ax20	6875	Ant1	-7.06	0	-7.06	4.5	-2.56	-1	Pass
NVNT	ax20	6995	Ant1	-6.13	0	-6.13	4.5	-1.63	-1	Pass
NVNT	ax20	7115	Ant1	-6.37	0	-6.37	4.5	-1.87	-1	Pass
NVNT	ax20	6875	Ant2	-7.77	0	-7.77	4.5	-3.27	-1	Pass
NVNT	ax20	6995	Ant2	-6.93	0	-6.93	4.5	-2.43	-1	Pass
NVNT	ax20	7115	Ant2	-5.71	0	-5.71	4.5	-1.21	-1	Pass
NVNT	ax40	6885	Ant1	-10.37	0	-10.37	4.5	-5.87	-1	Pass
NVNT	ax40	6965	Ant1	-12.44	0	-12.44	4.5	-7.94	-1	Pass
NVNT	ax40	7085	Ant1	-6.64	0	-6.64	4.5	-2.14	-1	Pass
NVNT	ax40	6885	Ant2	-11.16	0	-11.16	4.5	-6.66	-1	Pass
NVNT	ax40	6965	Ant2	-14.41	0	-14.41	4.5	-9.91	-1	Pass
NVNT	ax40	7085	Ant2	-9.3	0	-9.3	4.5	-4.8	-1	Pass
NVNT	ax80	6865	Ant1	-7.09	0	-7.09	4.5	-2.59	-1	Pass
NVNT	ax80	6945	Ant1	-8.94	0	-8.94	4.5	-4.44	-1	Pass
NVNT	ax80	7025	Ant1	-6.19	0	-6.19	4.5	-1.69	-1	Pass
NVNT	ax80	6865	Ant2	-7.14	0	-7.14	4.5	-2.64	-1	Pass
NVNT	ax80	6945	Ant2	-14.45	0	-14.45	4.5	-9.95	-1	Pass
NVNT	ax80	7025	Ant2	-7.72	0	-7.72	4.5	-3.22	-1	Pass

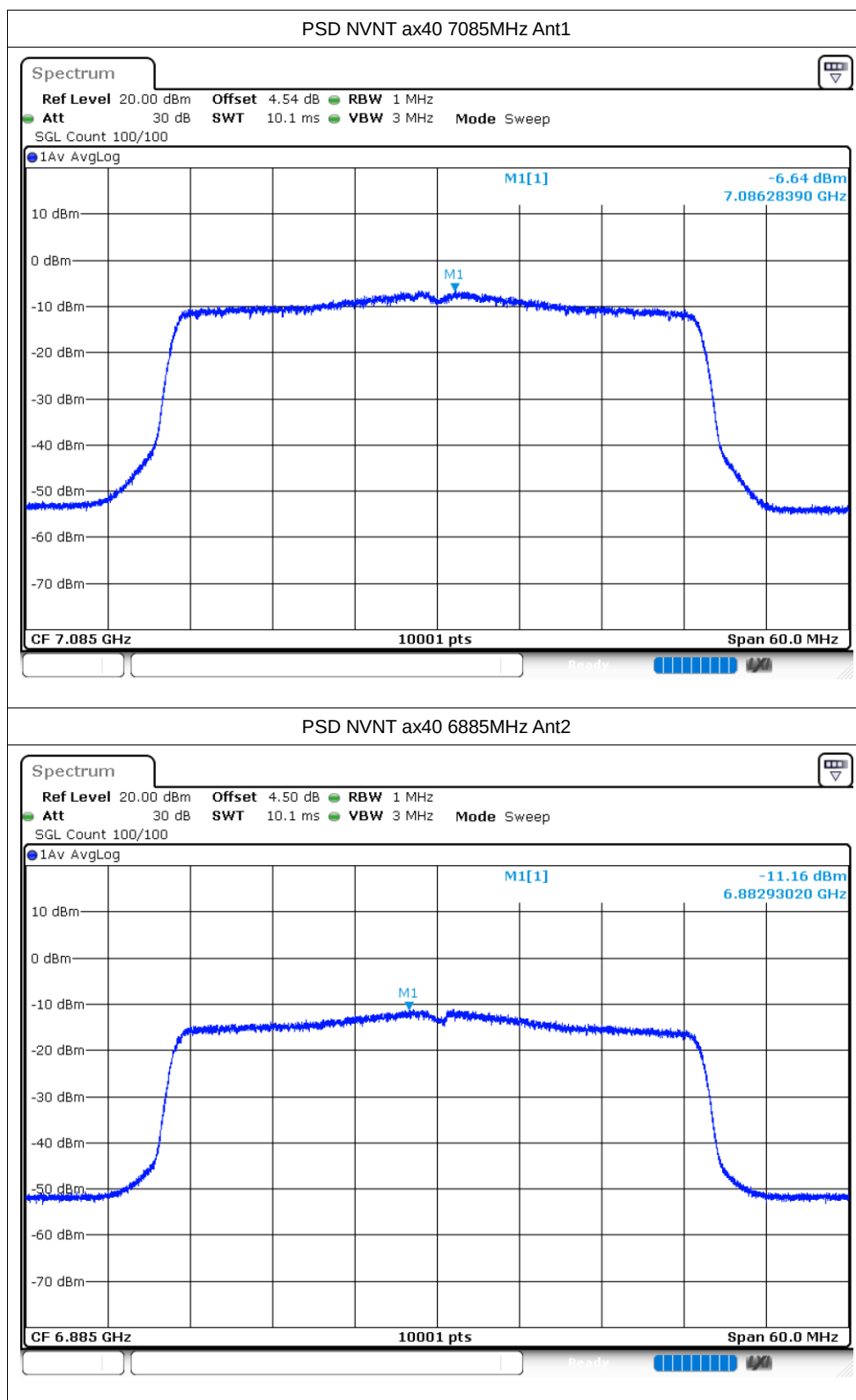


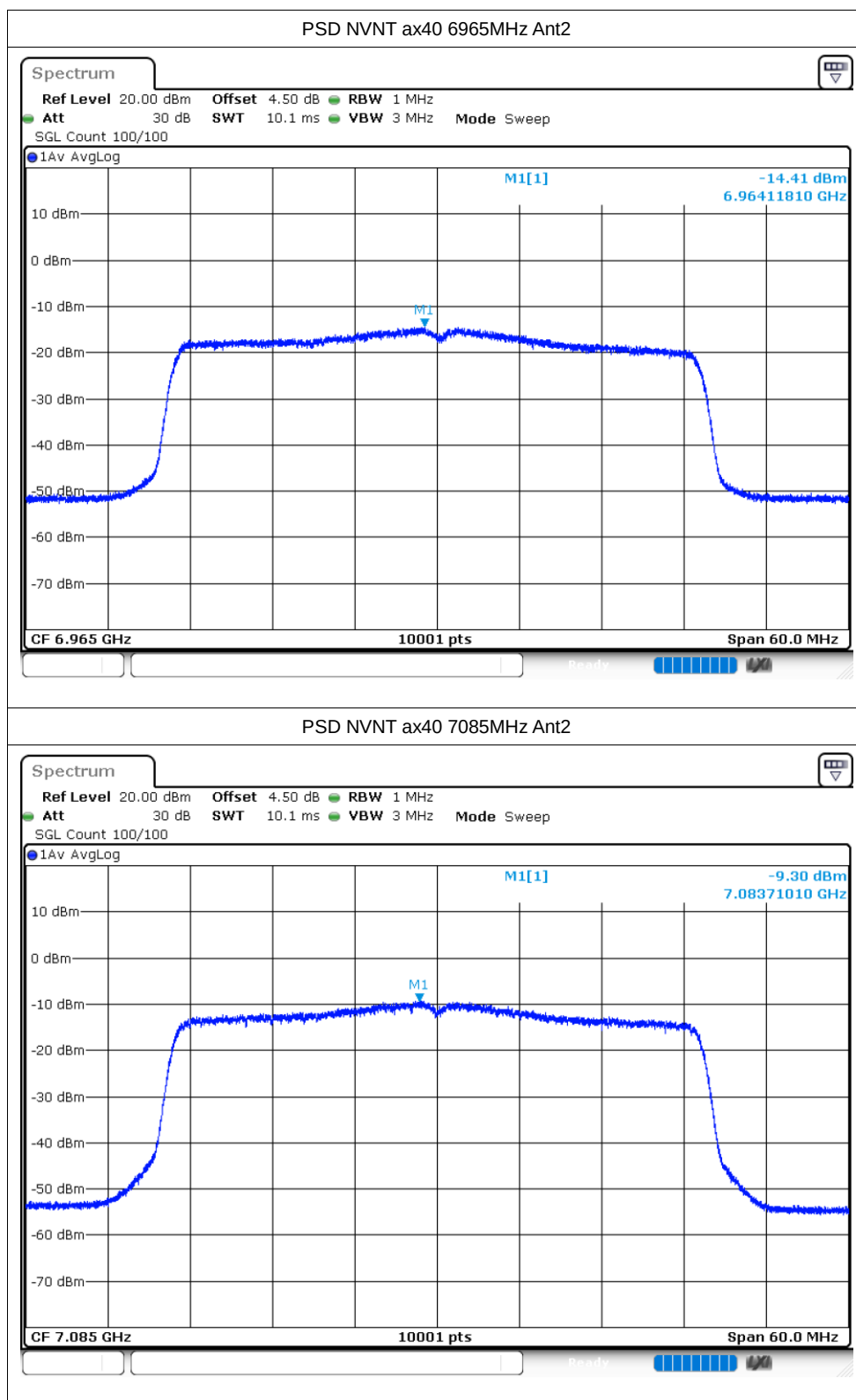


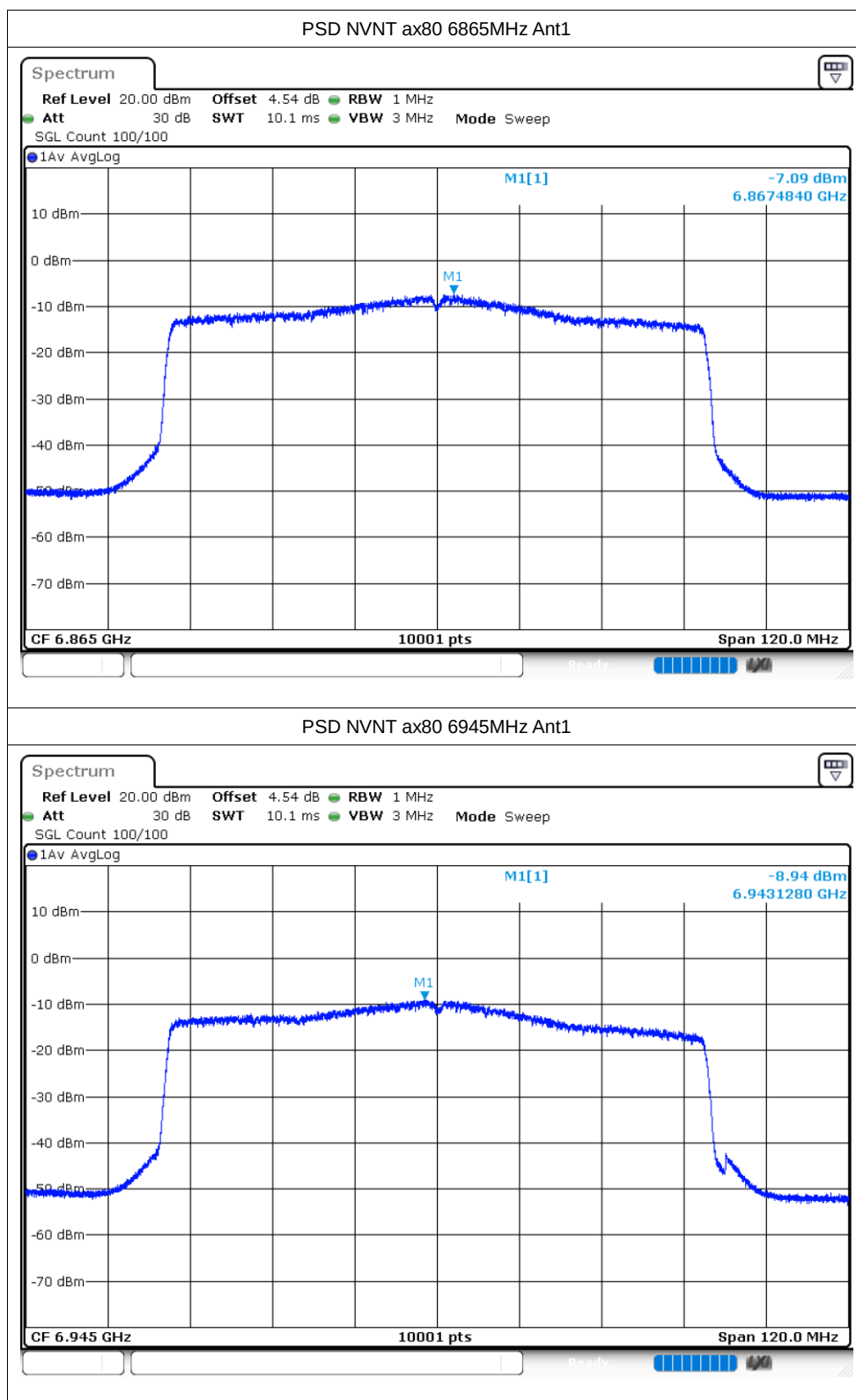


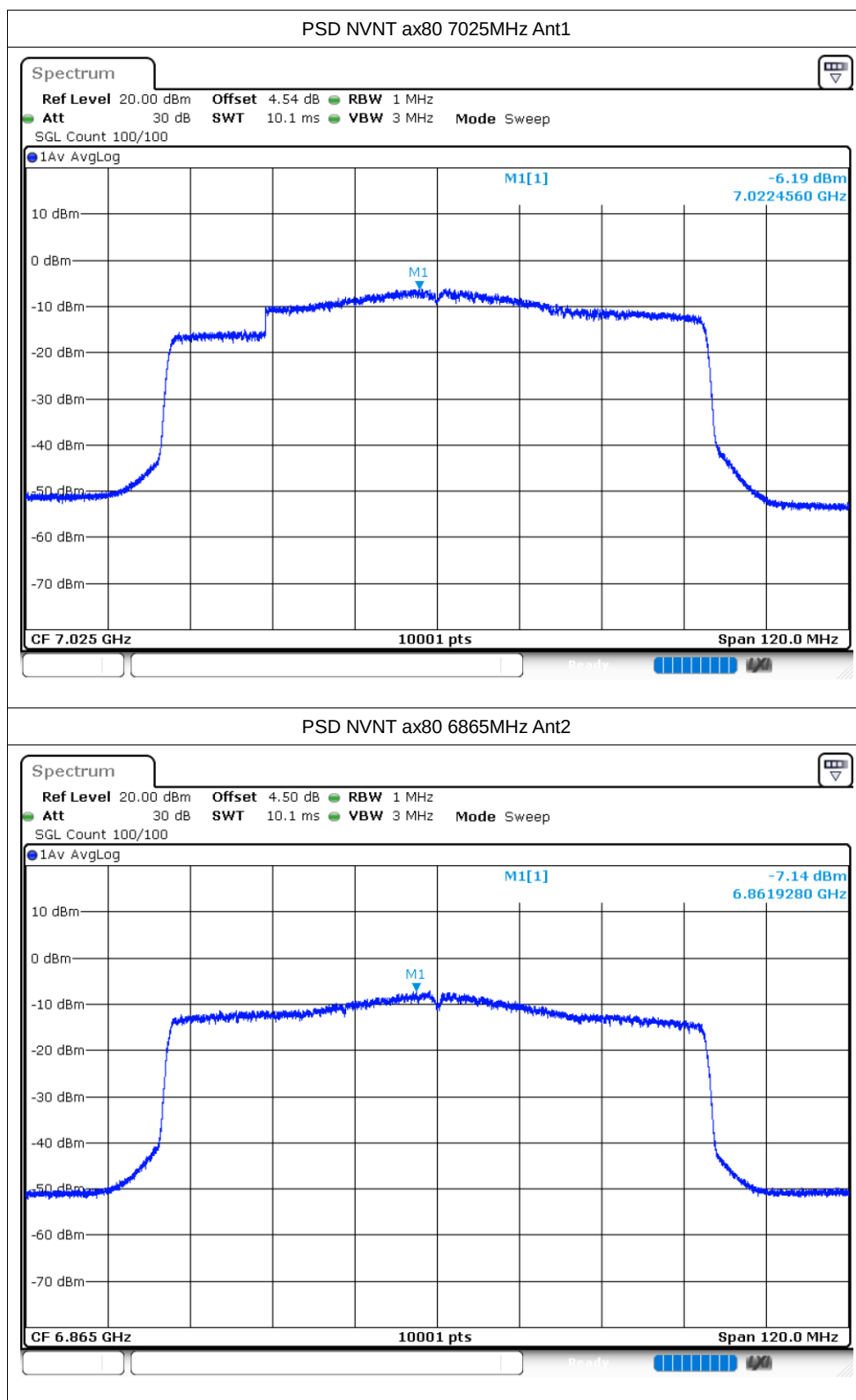


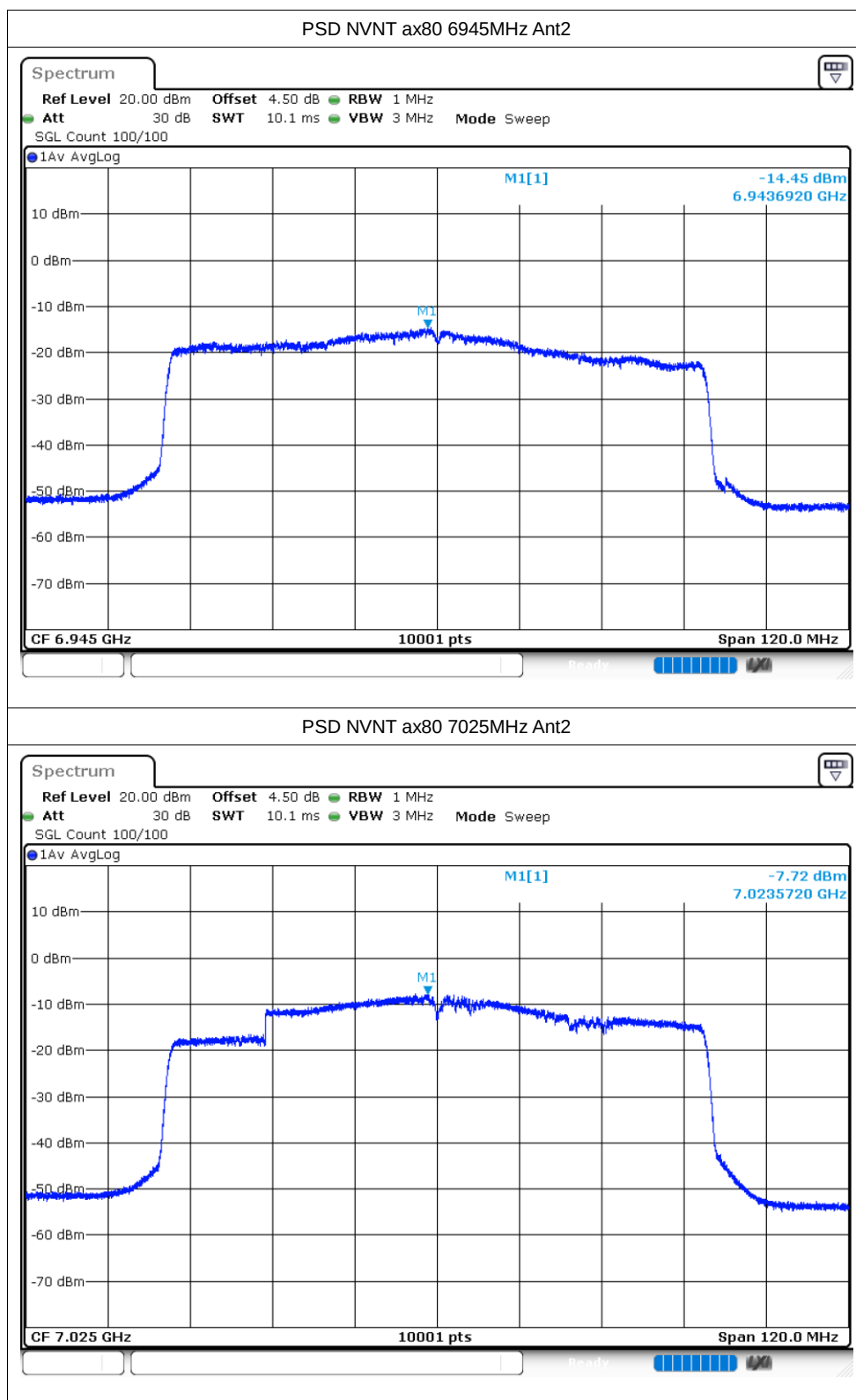










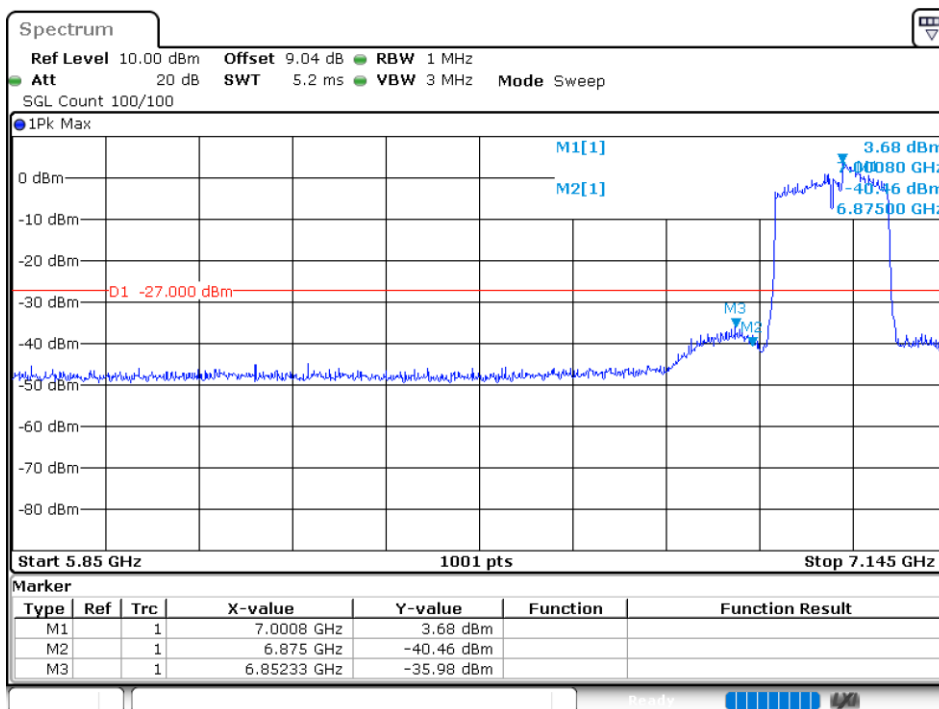


Band Edge

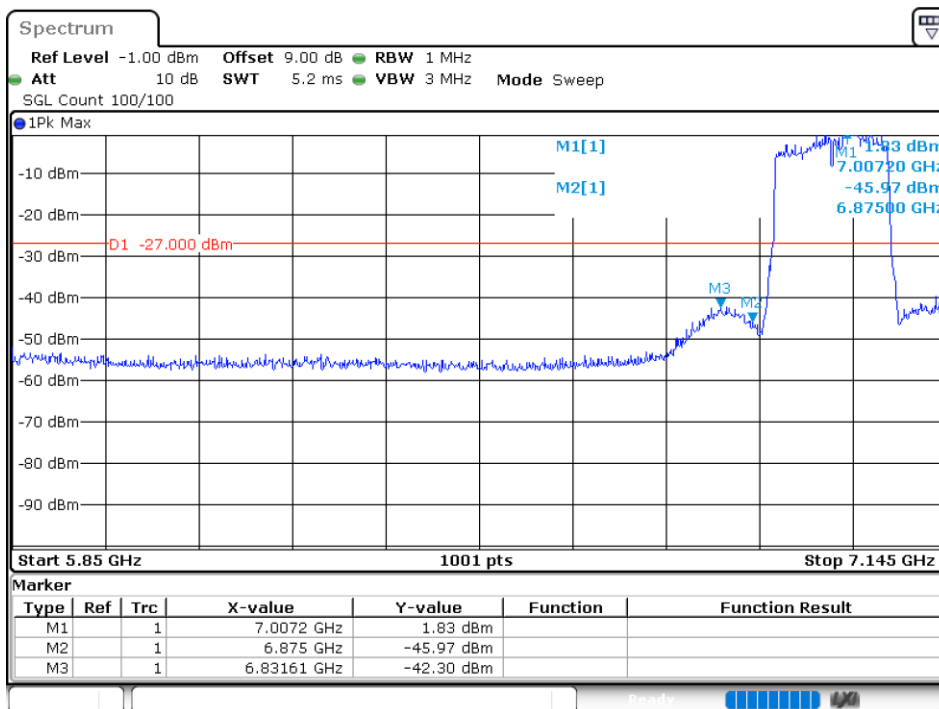
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6985	Ant1	-35.98	-27	Pass
NVNT	ax160	6985	Ant2	-42.3	-27	Pass
NVNT	ax20	6875	Ant1	-46.26	-27	Pass
NVNT	ax20	7115	Ant1	-36.97	-27	Pass
NVNT	ax20	6875	Ant2	-45.43	-27	Pass
NVNT	ax20	7115	Ant2	-47.9	-27	Pass
NVNT	ax40	6885	Ant1	-47.34	-27	Pass
NVNT	ax40	7085	Ant1	-45.19	-27	Pass
NVNT	ax40	6885	Ant2	-46.77	-27	Pass
NVNT	ax40	7085	Ant2	-46.67	-27	Pass
NVNT	ax80	6865	Ant1	-46.11	-27	Pass
NVNT	ax80	7025	Ant1	-44.66	-27	Pass
NVNT	ax80	6865	Ant2	-46.6	-27	Pass
NVNT	ax80	7025	Ant2	-46.26	-27	Pass

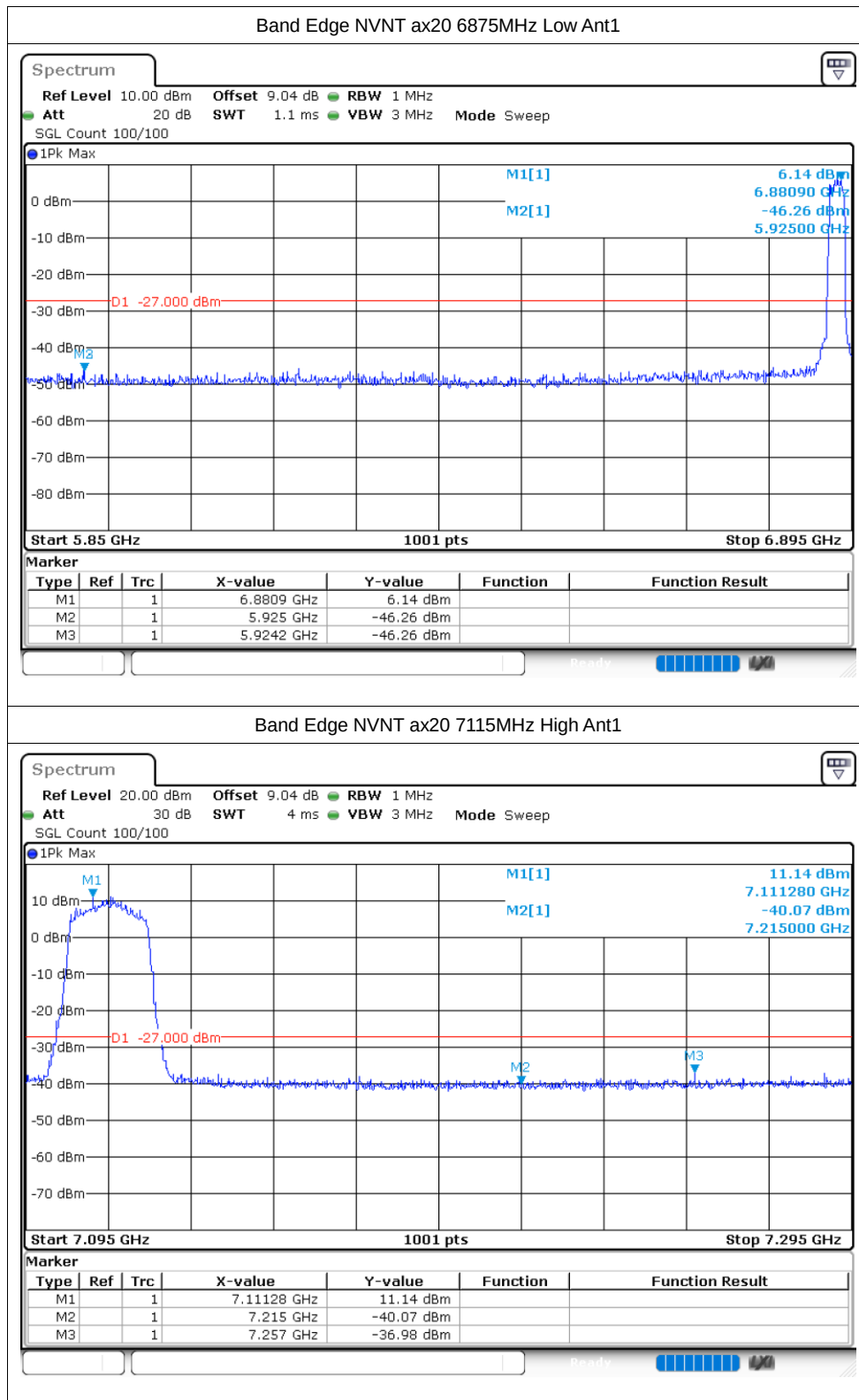
Test Graphs

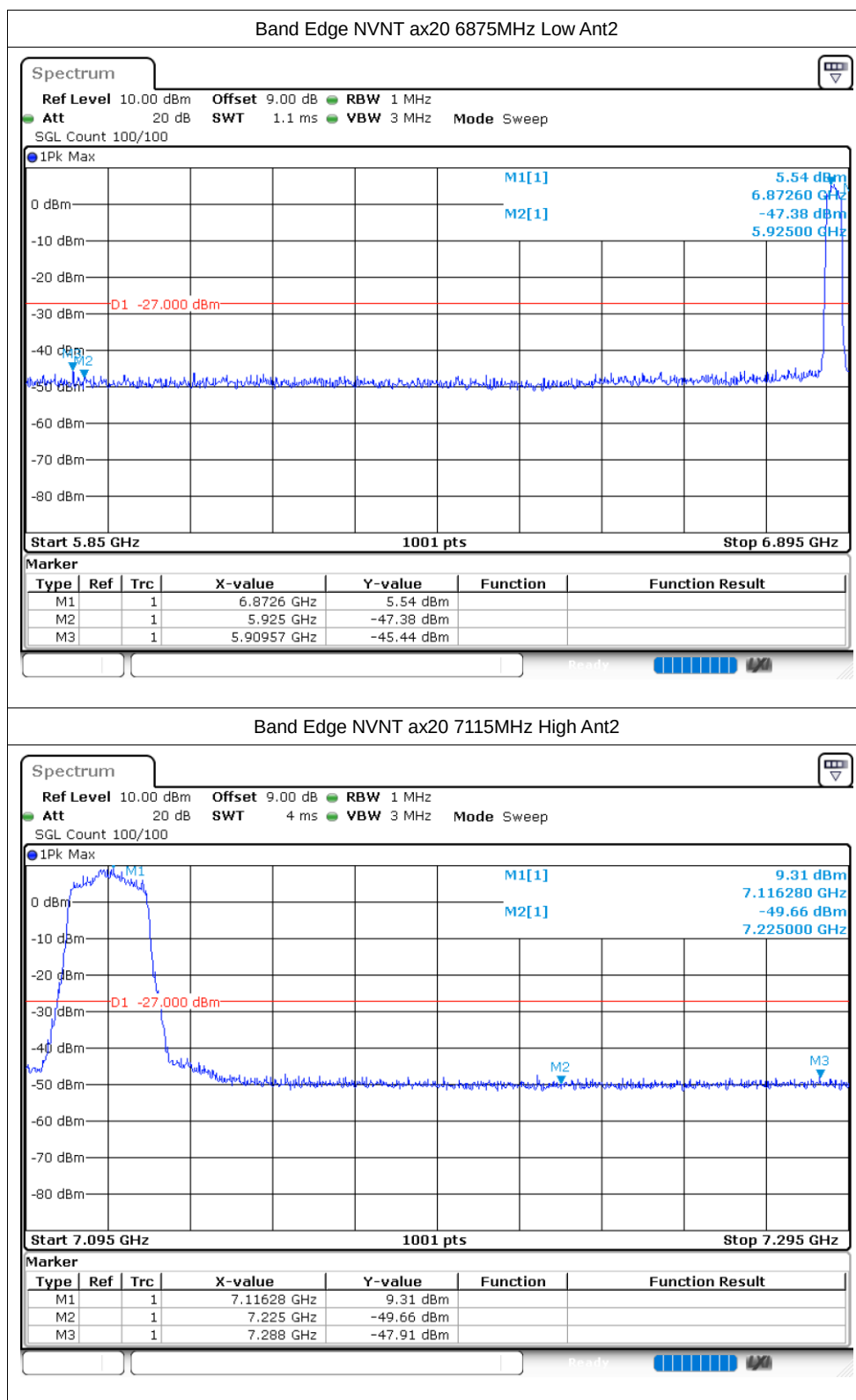
Band Edge NVNT ax160 6985MHz Low Ant1

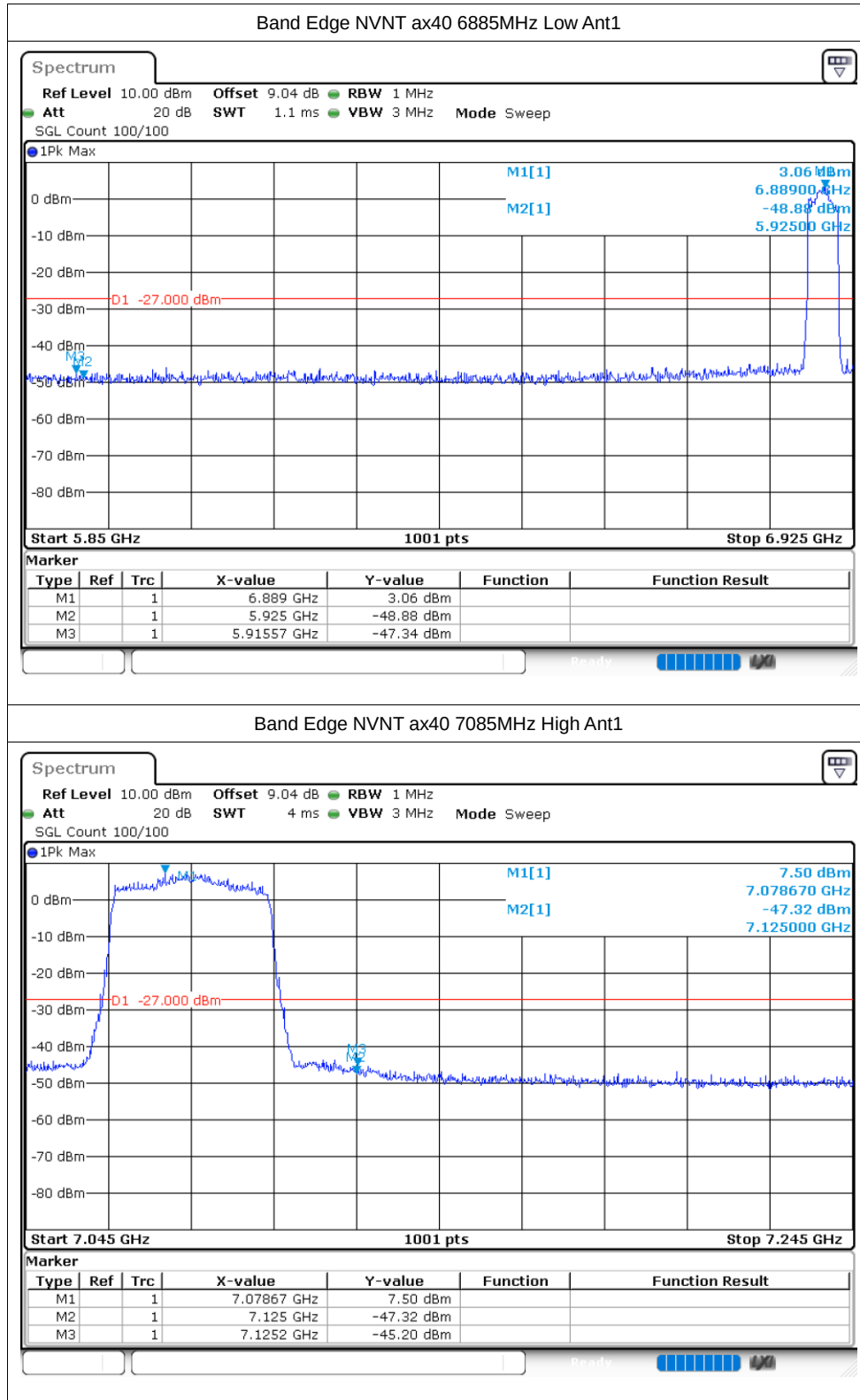


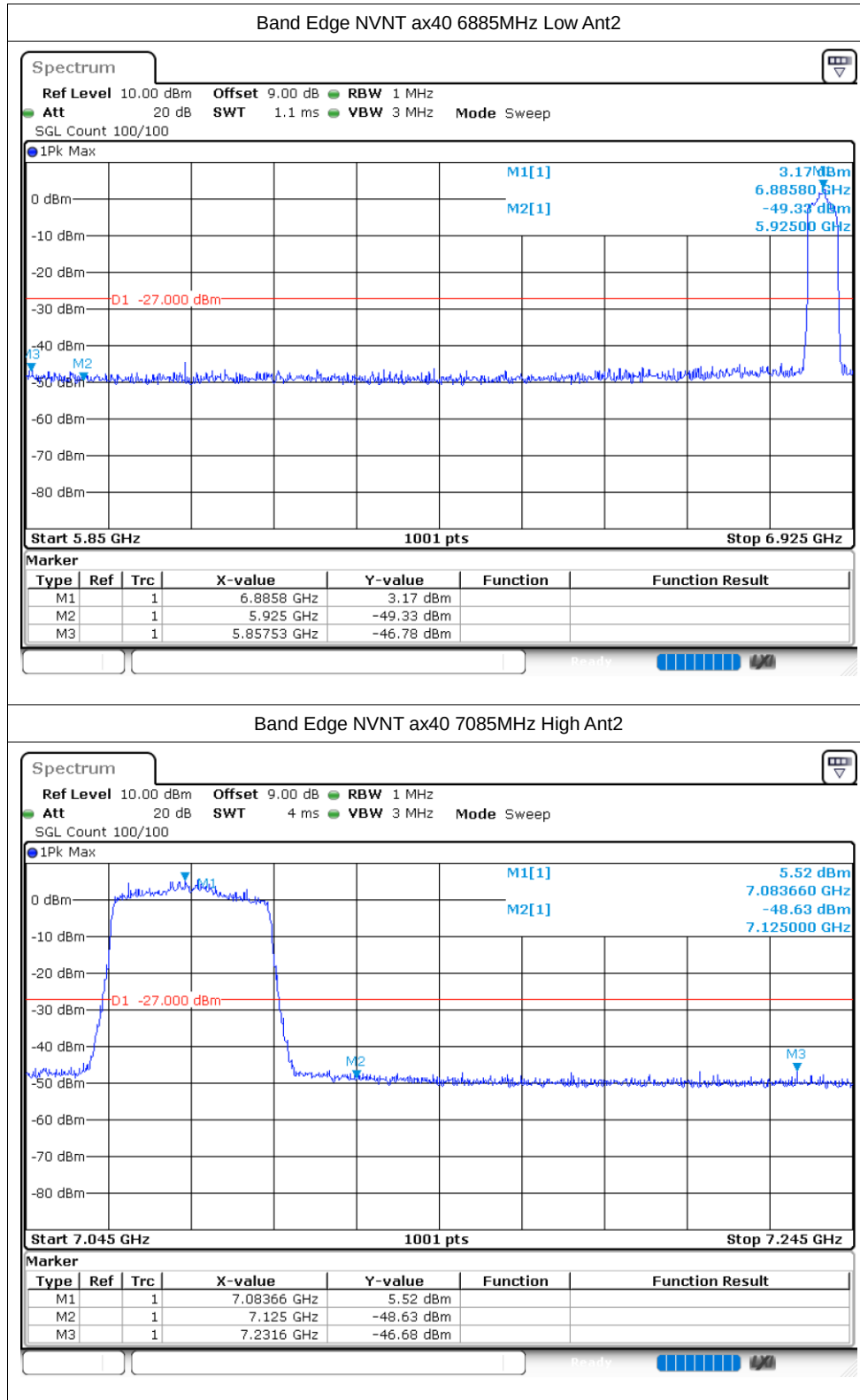
Band Edge NVNT ax160 6985MHz Low Ant2

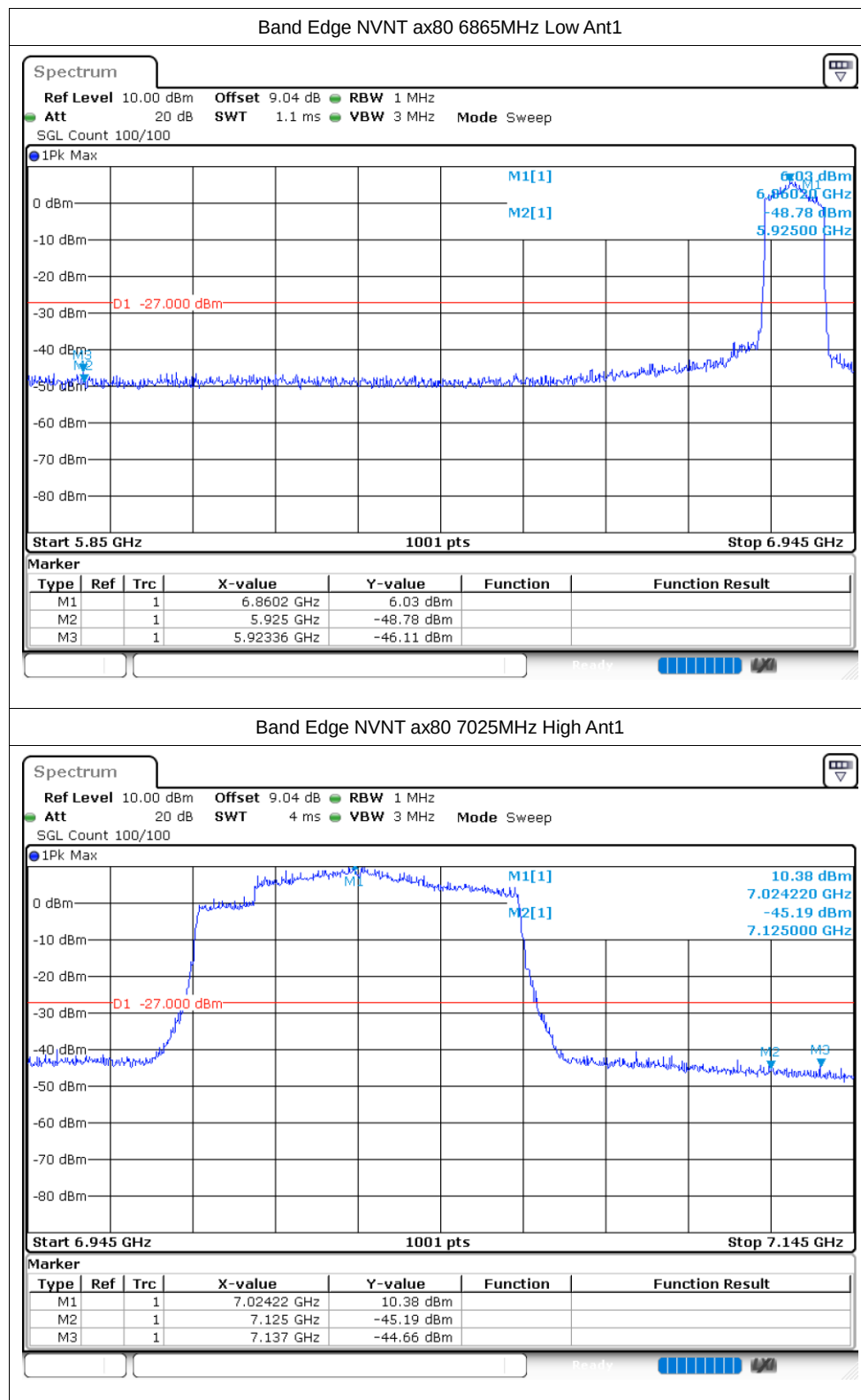


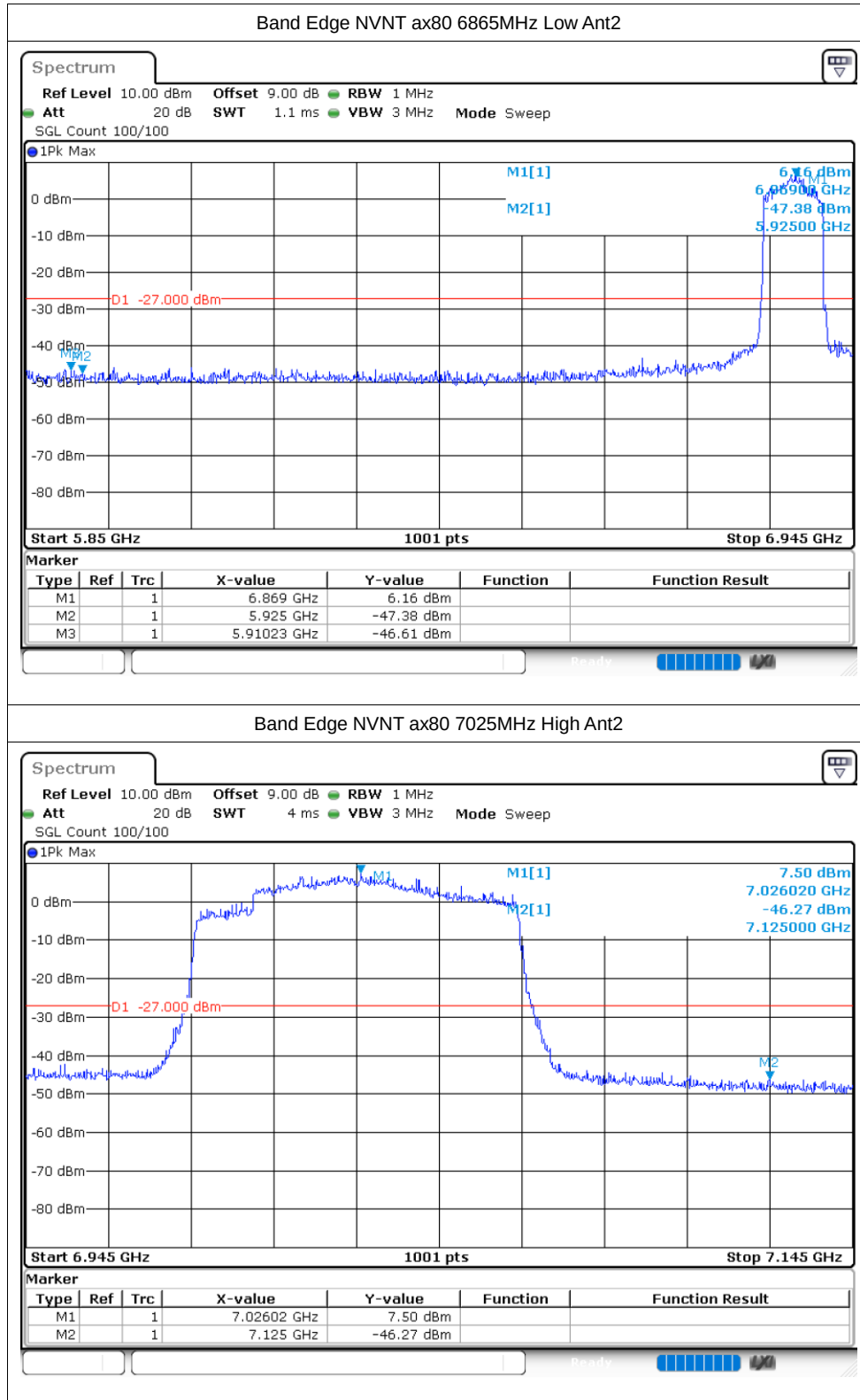










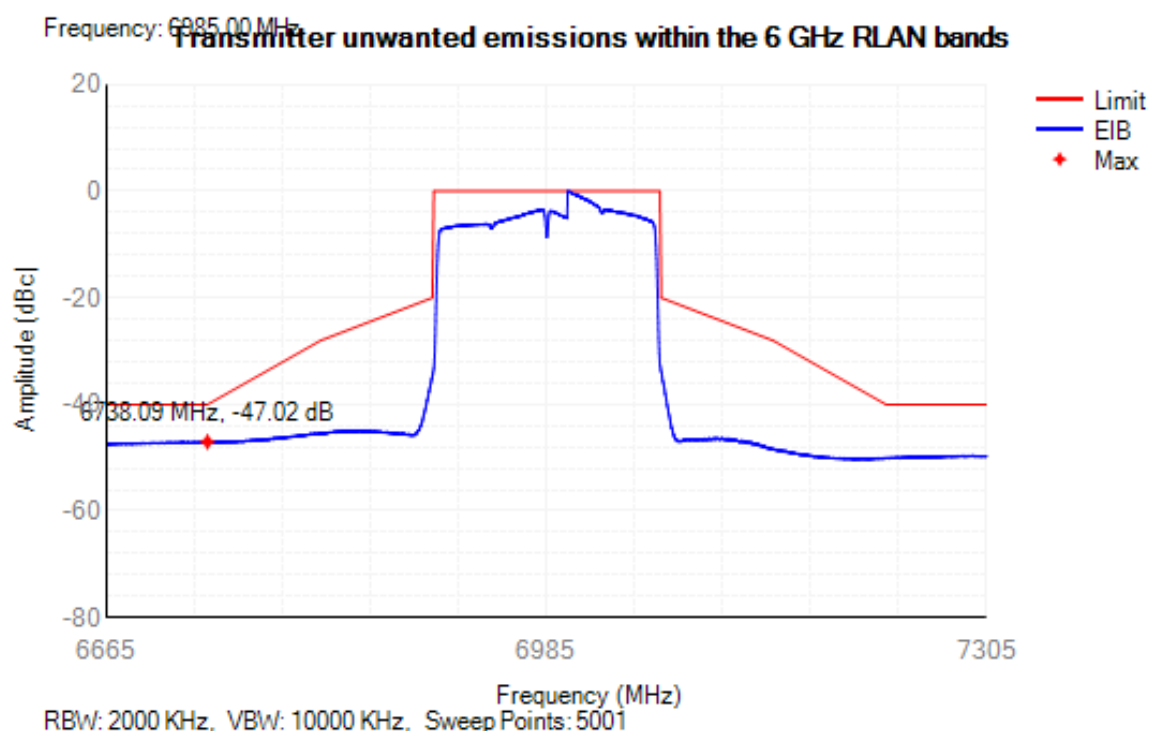


Power spectral mask

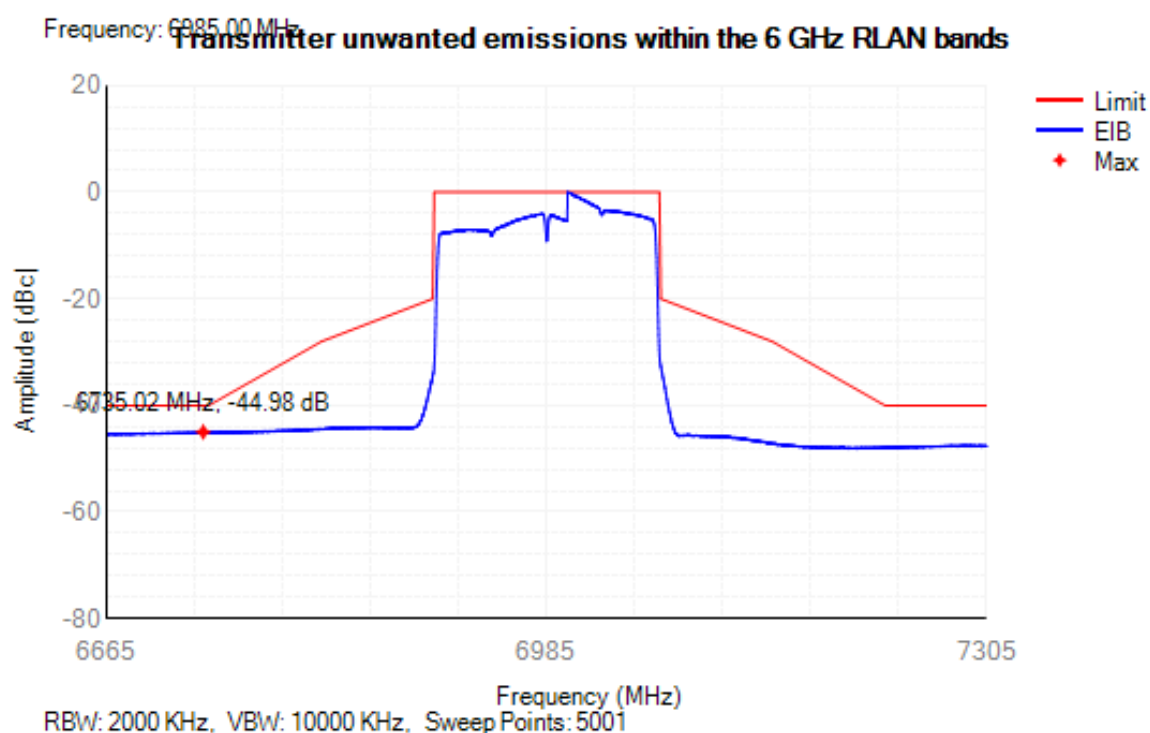
Condition	Mode	Frequency (MHz)	Antenna	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
NVNT	ax160	6985	Ant1	Band1	6738.09	-47.02	-40	Pass
NVNT	ax160	6985	Ant2	Band1	6735.02	-44.98	-40	Pass
NVNT	ax20	6875	Ant1	Band1	6839.35	-52.9	-40	Pass
NVNT	ax20	6995	Ant1	Band1	7006.1	-31.08	-20	Pass
NVNT	ax20	7115	Ant1	Band1	7076.71	-49.07	-40	Pass
NVNT	ax20	6875	Ant2	Band1	6840.97	-52.57	-40	Pass
NVNT	ax20	6995	Ant2	Band1	6962.63	-40.62	-40	Pass
NVNT	ax20	7115	Ant2	Band1	7076.31	-47.91	-40	Pass
NVNT	ax40	6885	Ant1	Band1	6805.67	-50	-40	Pass
NVNT	ax40	6965	Ant1	Band1	6894.15	-47.95	-40	Pass
NVNT	ax40	7085	Ant1	Band1	7009.35	-45.85	-40	Pass
NVNT	ax40	6885	Ant2	Band1	6822.22	-49.24	-40	Pass
NVNT	ax40	6965	Ant2	Band1	6885.42	-46.27	-40	Pass
NVNT	ax40	7085	Ant2	Band1	7021.83	-43.65	-40	Pass
NVNT	ax80	6865	Ant1	Band1	6995.56	-47.92	-40	Pass
NVNT	ax80	6945	Ant1	Band1	6820.84	-46.24	-40	Pass
NVNT	ax80	7025	Ant1	Band1	6889.38	-50.51	-40	Pass
NVNT	ax80	6865	Ant2	Band1	6988.39	-47.52	-40	Pass
NVNT	ax80	6945	Ant2	Band1	6809.58	-44.9	-40	Pass
NVNT	ax80	7025	Ant2	Band1	6879.59	-47.74	-40	Pass

Test Graphs

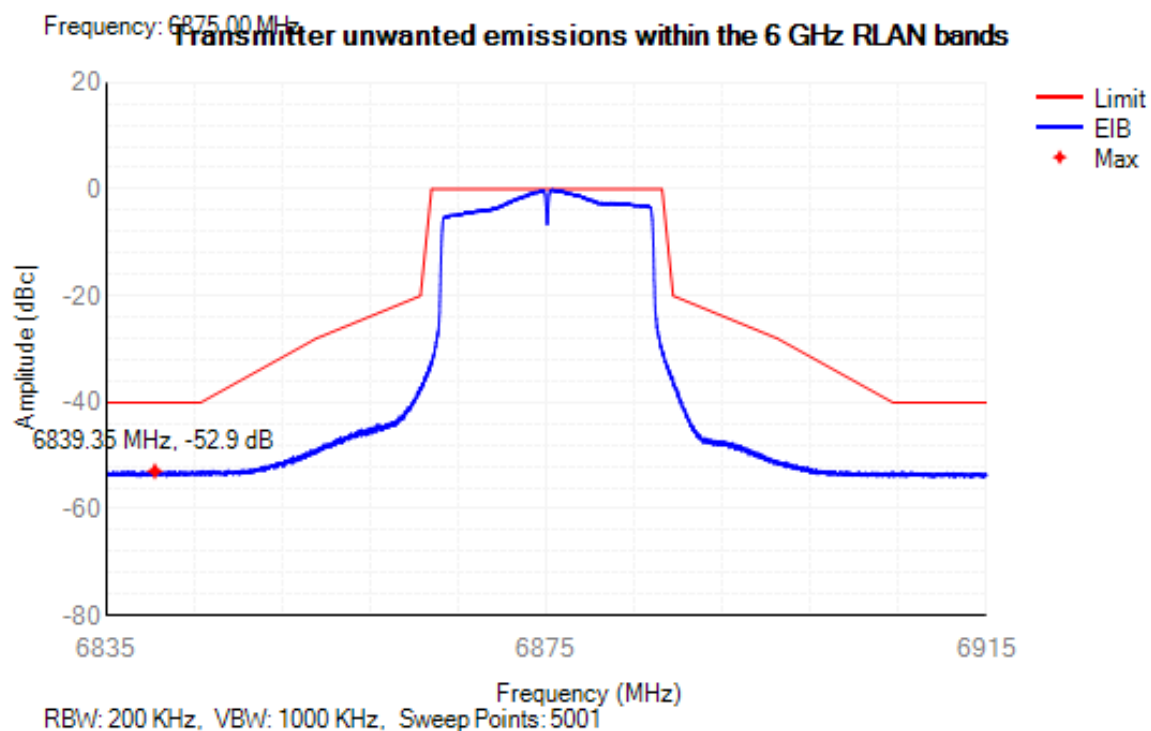
Power spectral mask NVNT ax160 6985MHz



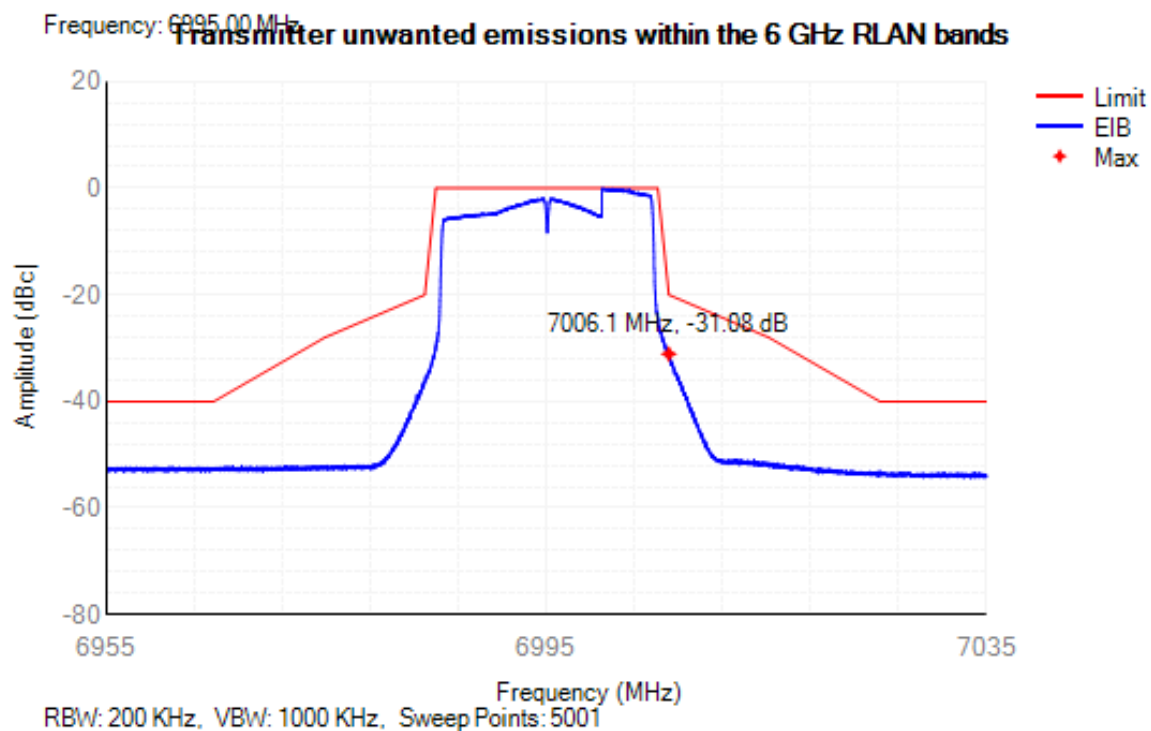
Power spectral mask NVNT ax160 6985MHz



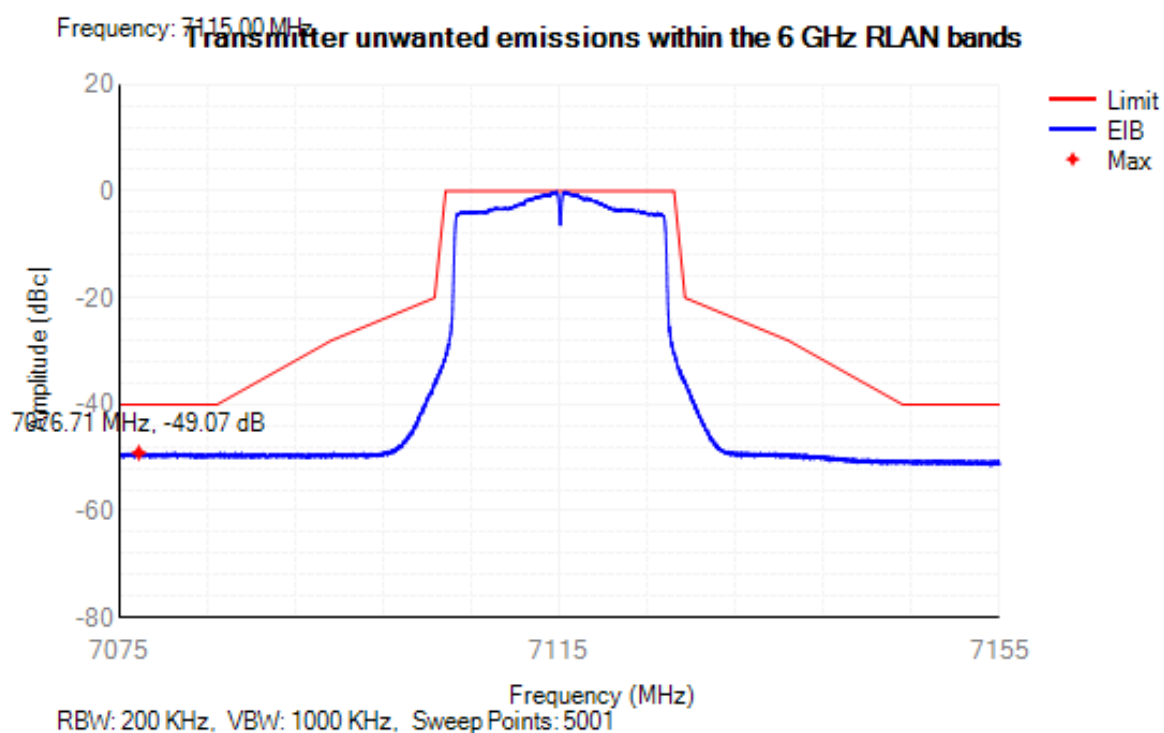
Power spectral mask NVNT ax20 6875MHz



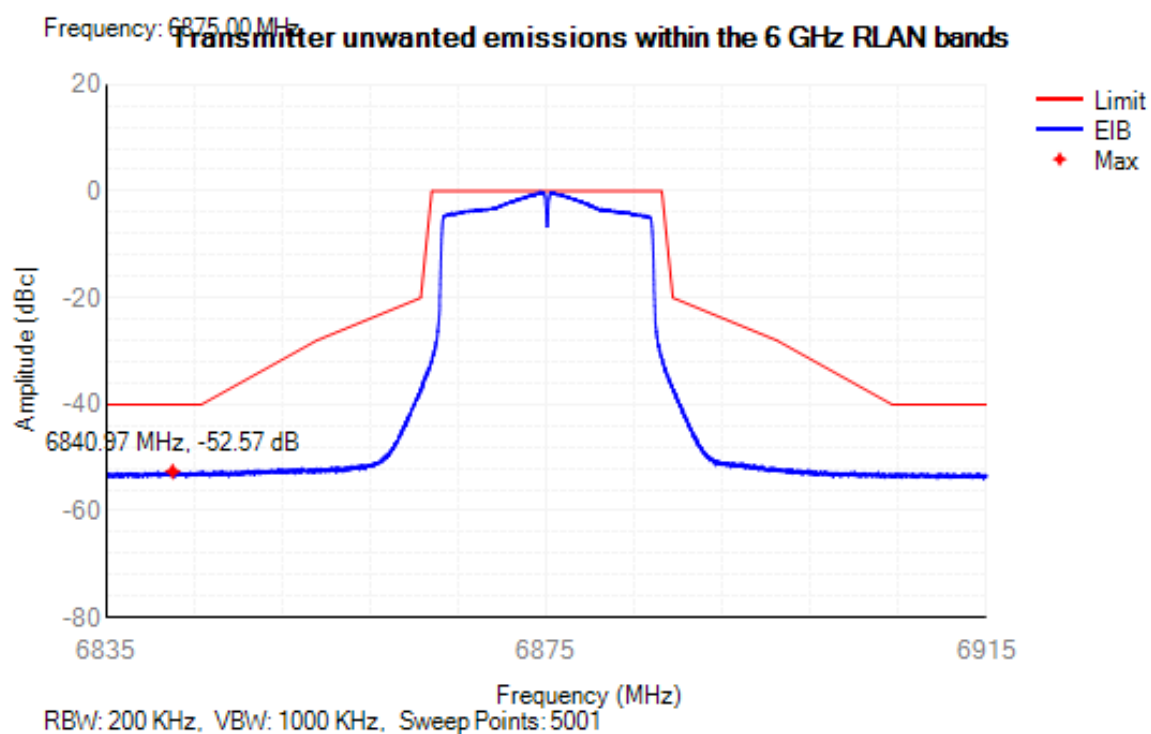
Power spectral mask NVNT ax20 6995MHz



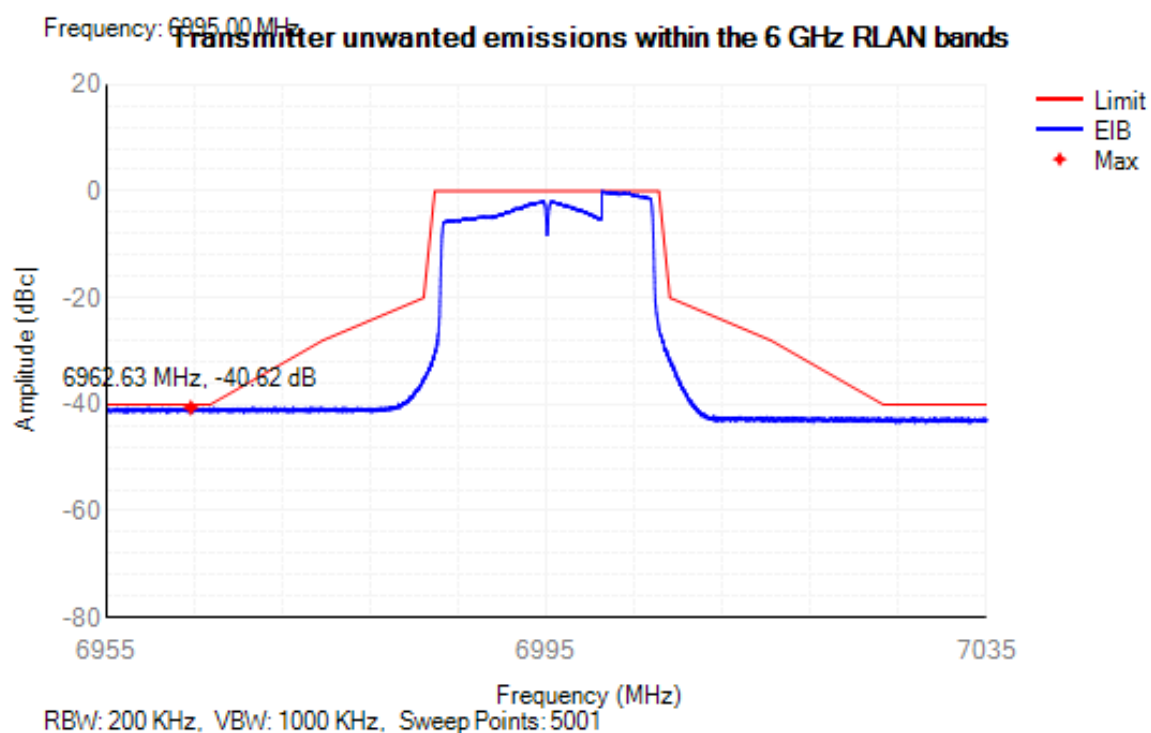
Power spectral mask NVNT ax20 7115MHz



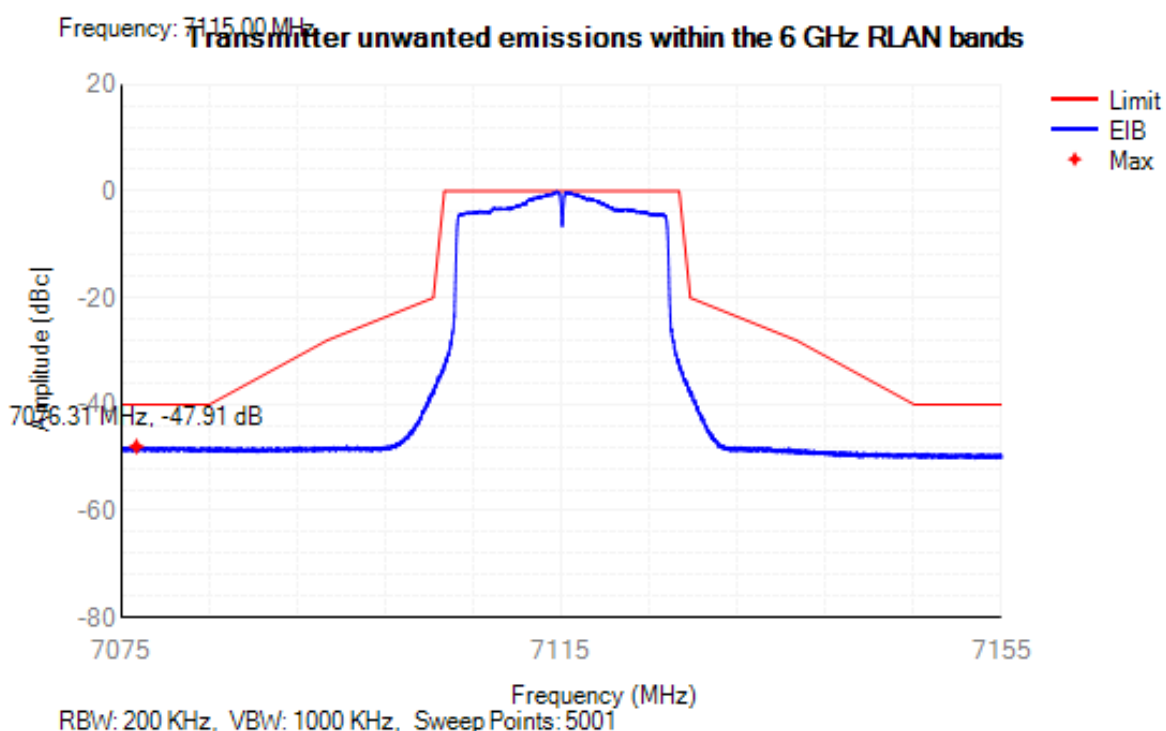
Power spectral mask NVNT ax20 6875MHz



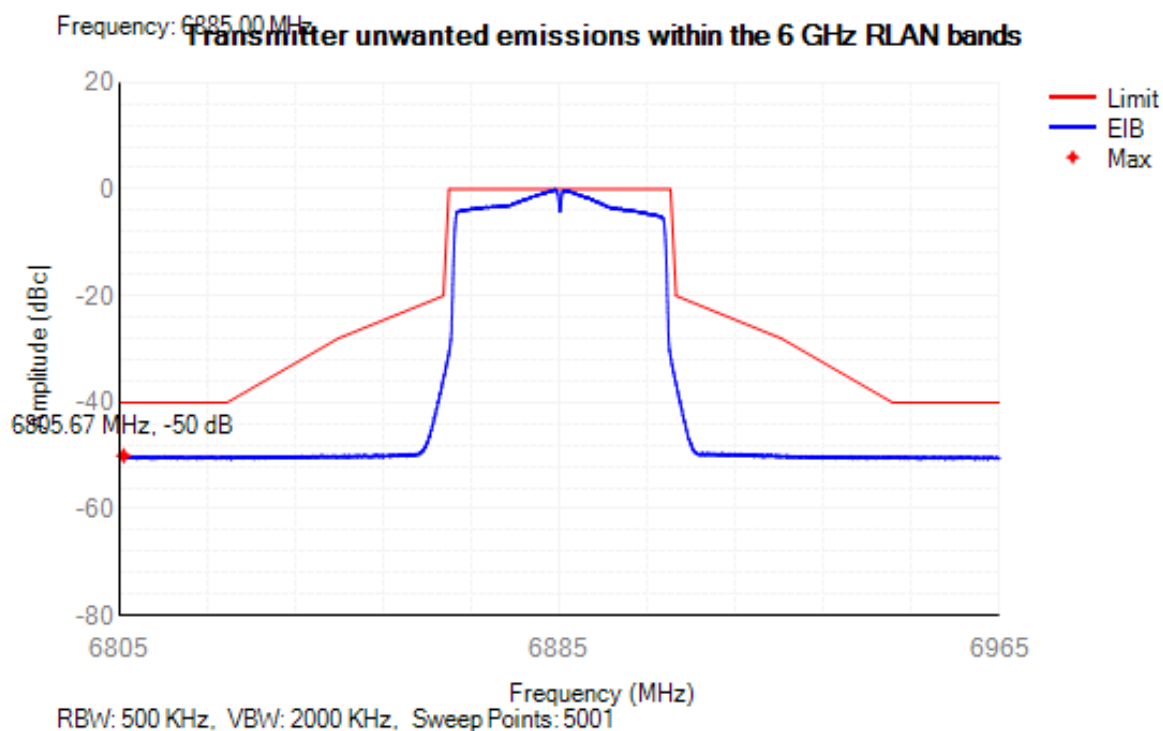
Power spectral mask NVNT ax20 6995MHz



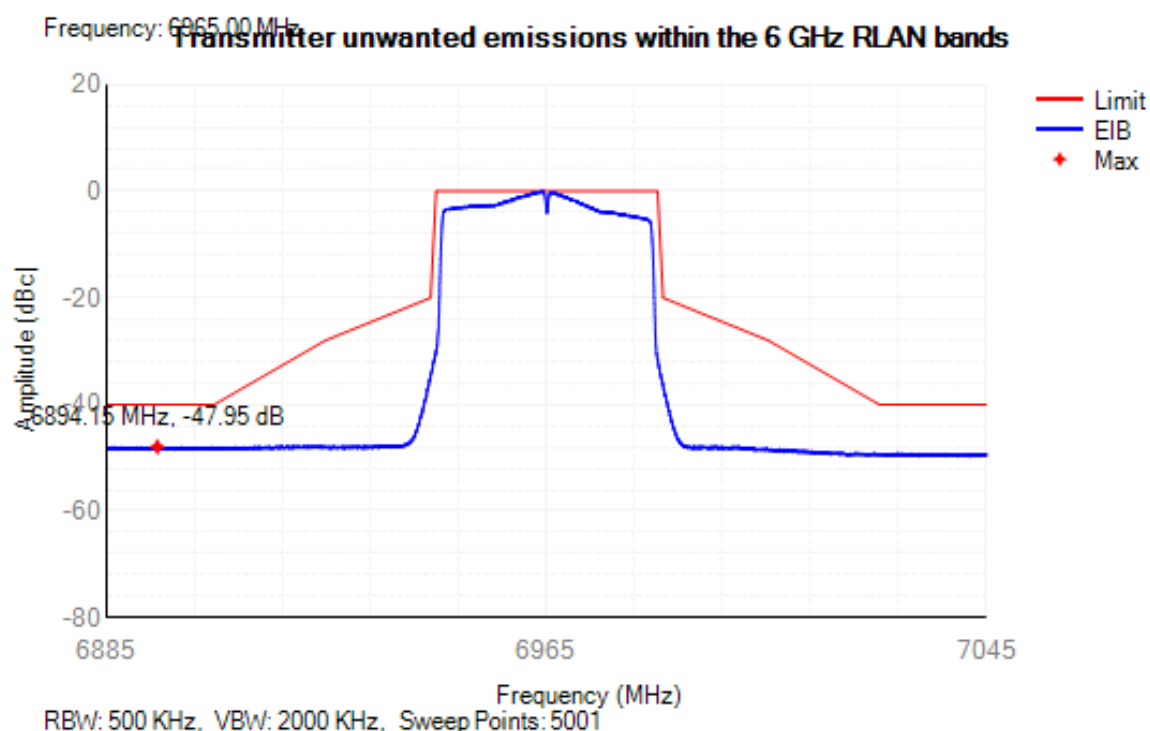
Power spectral mask NVNT ax20 7115MHz



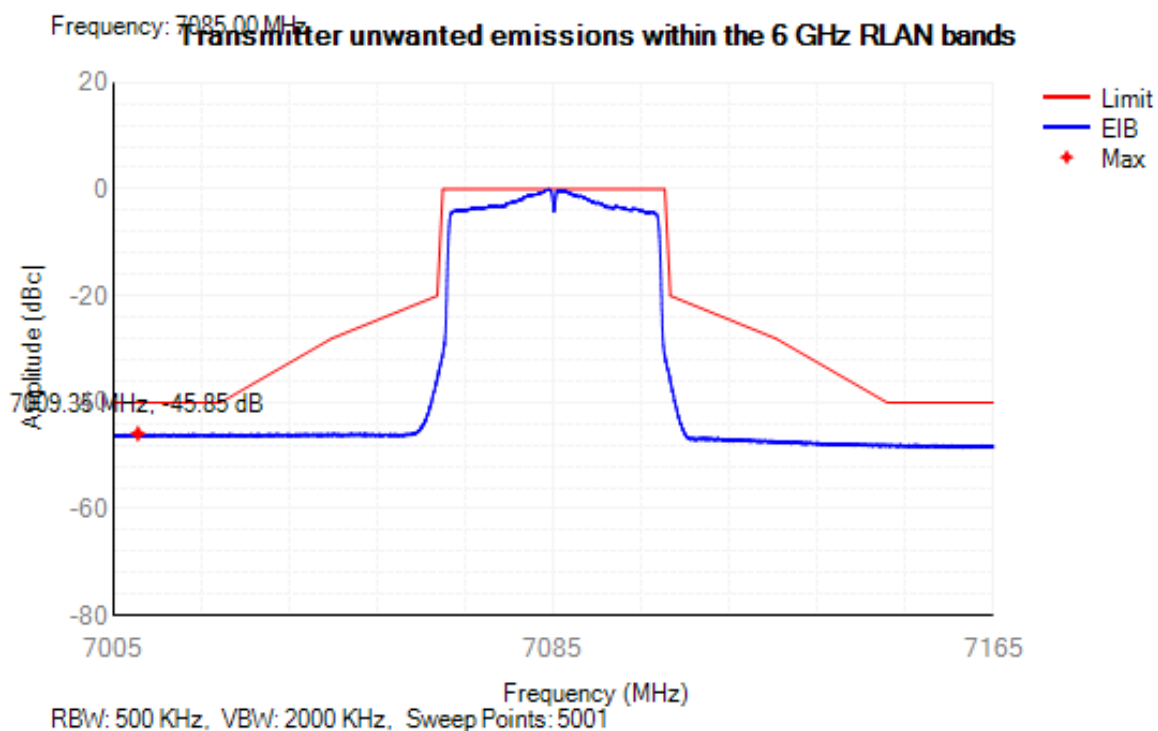
Power spectral mask NVNT ax40 6885MHz



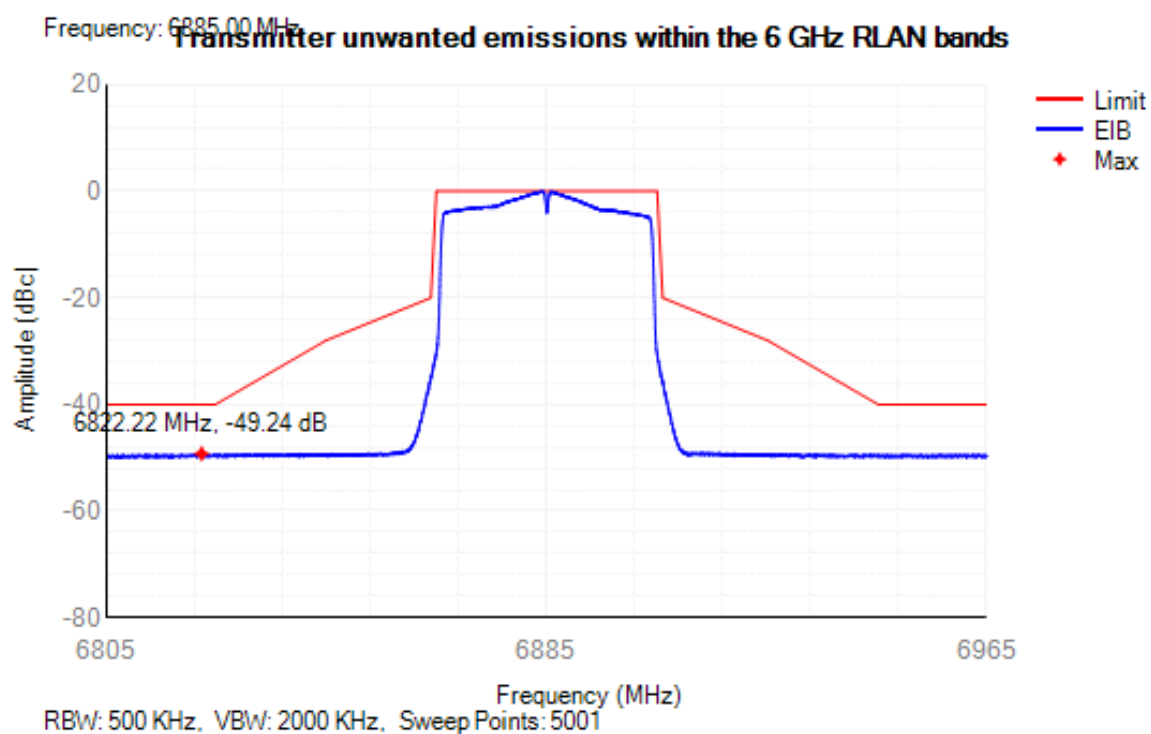
Power spectral mask NVNT ax40 6965MHz



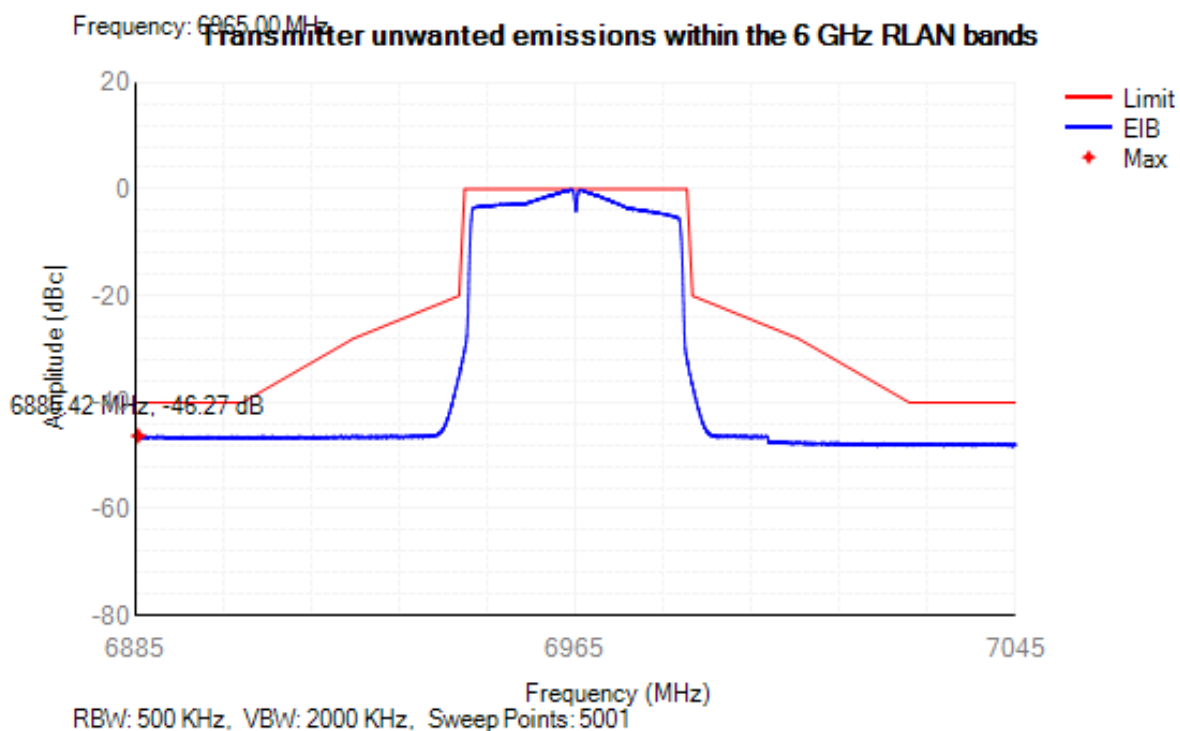
Power spectral mask NVNT ax40 7085MHz



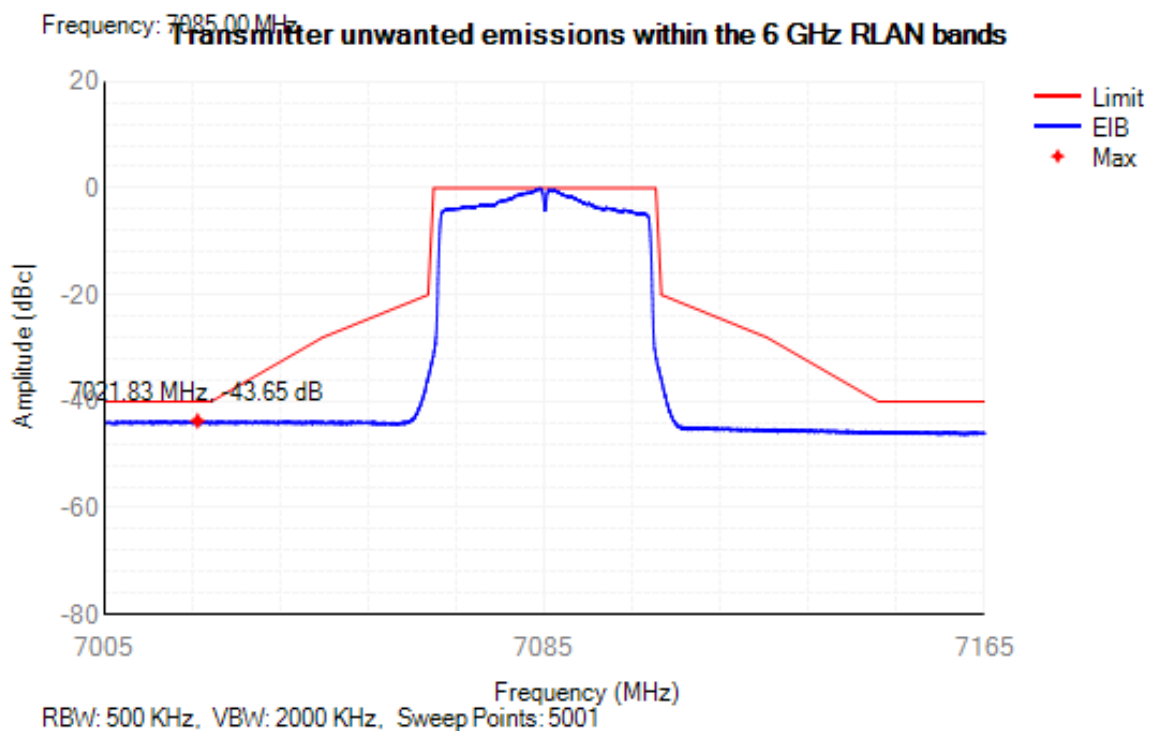
Power spectral mask NVNT ax40 6885MHz



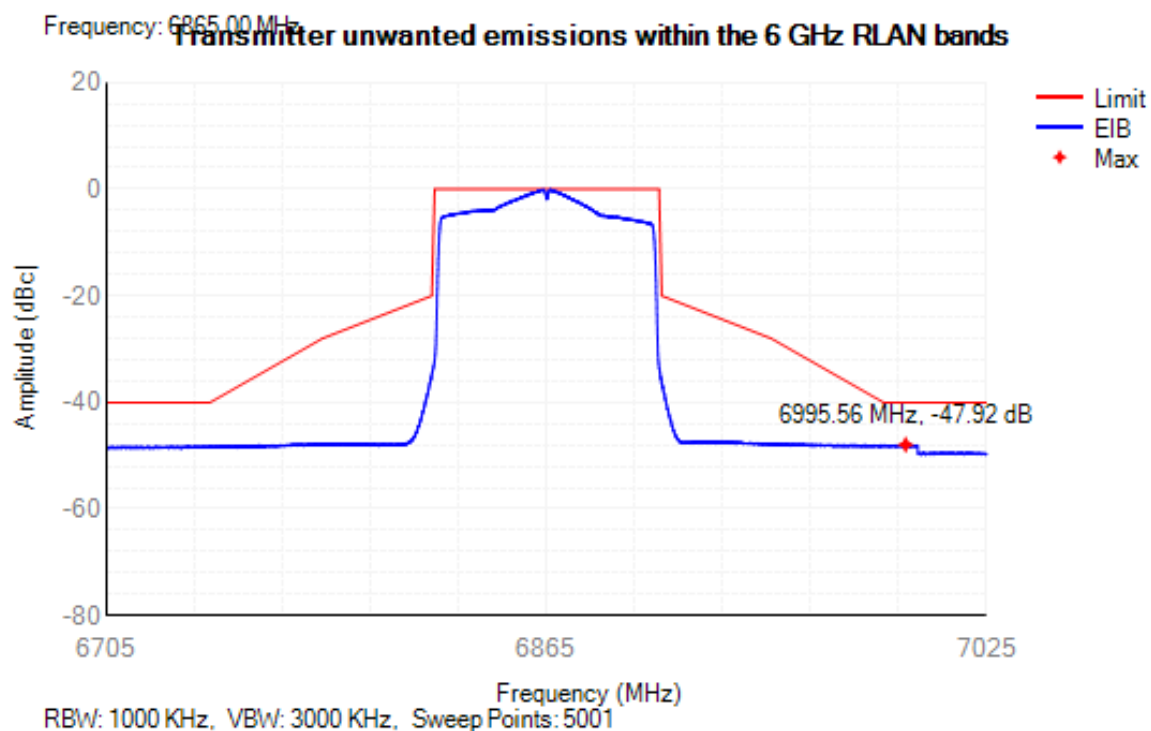
Power spectral mask NVNT ax40 6965MHz



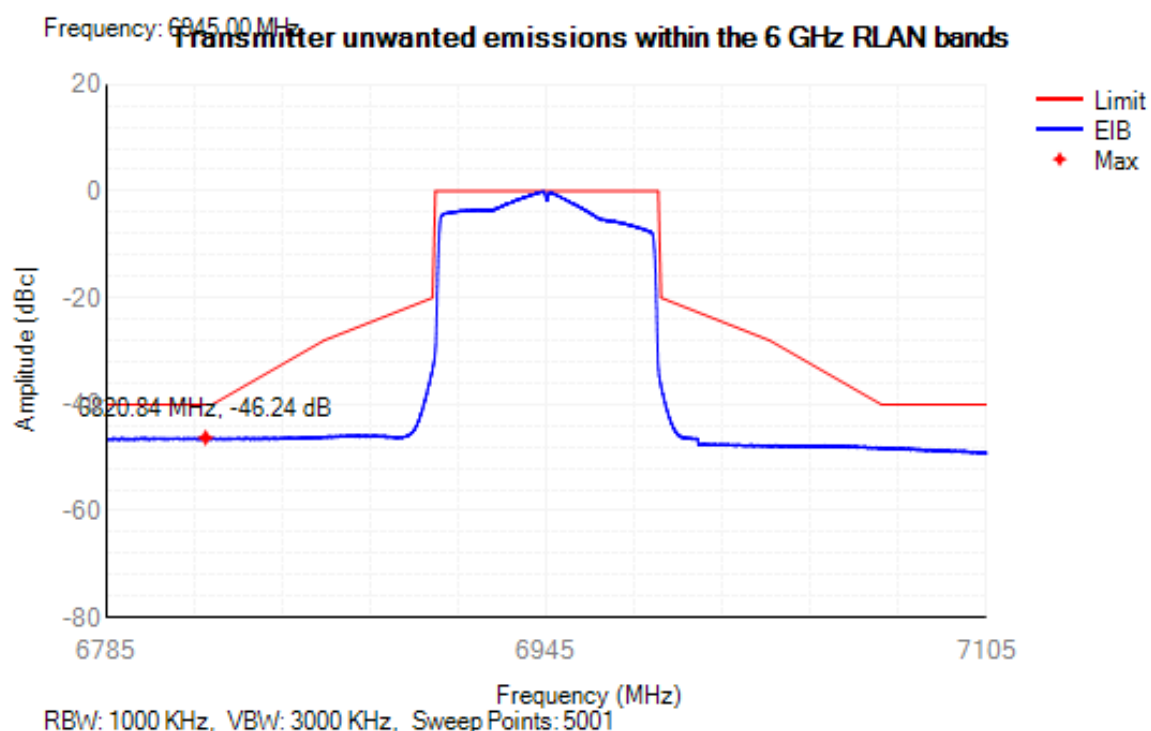
Power spectral mask NVNT ax40 7085MHz



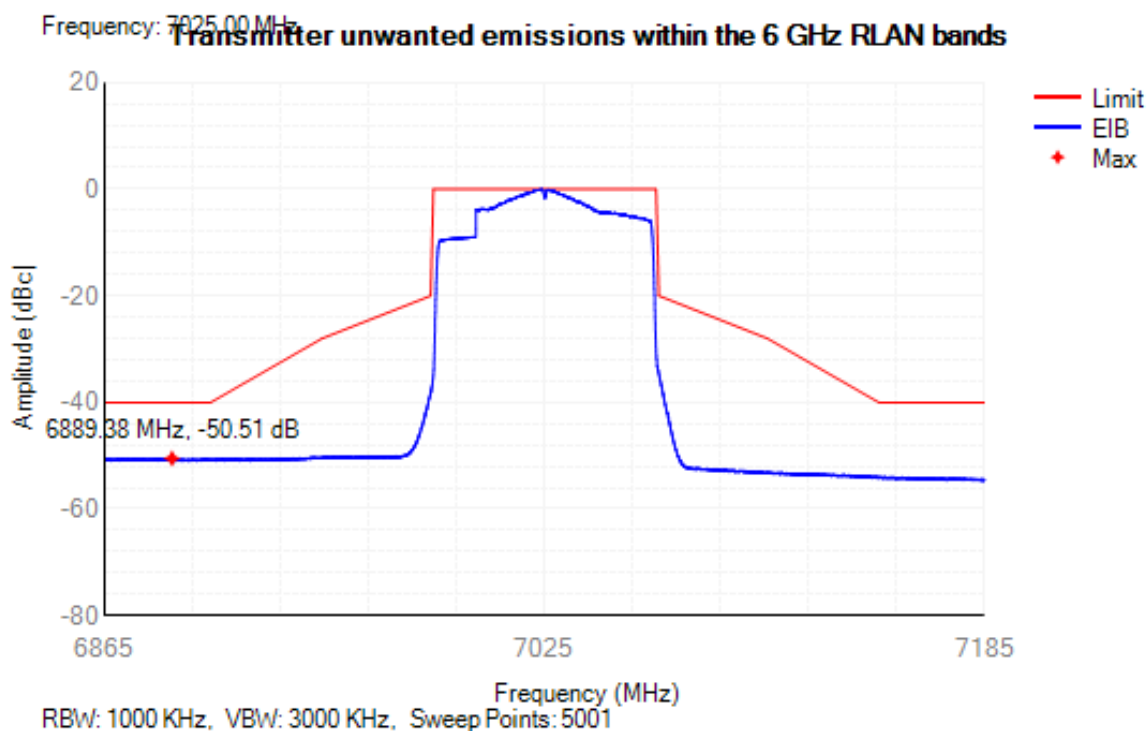
Power spectral mask NVNT ax80 6865MHz



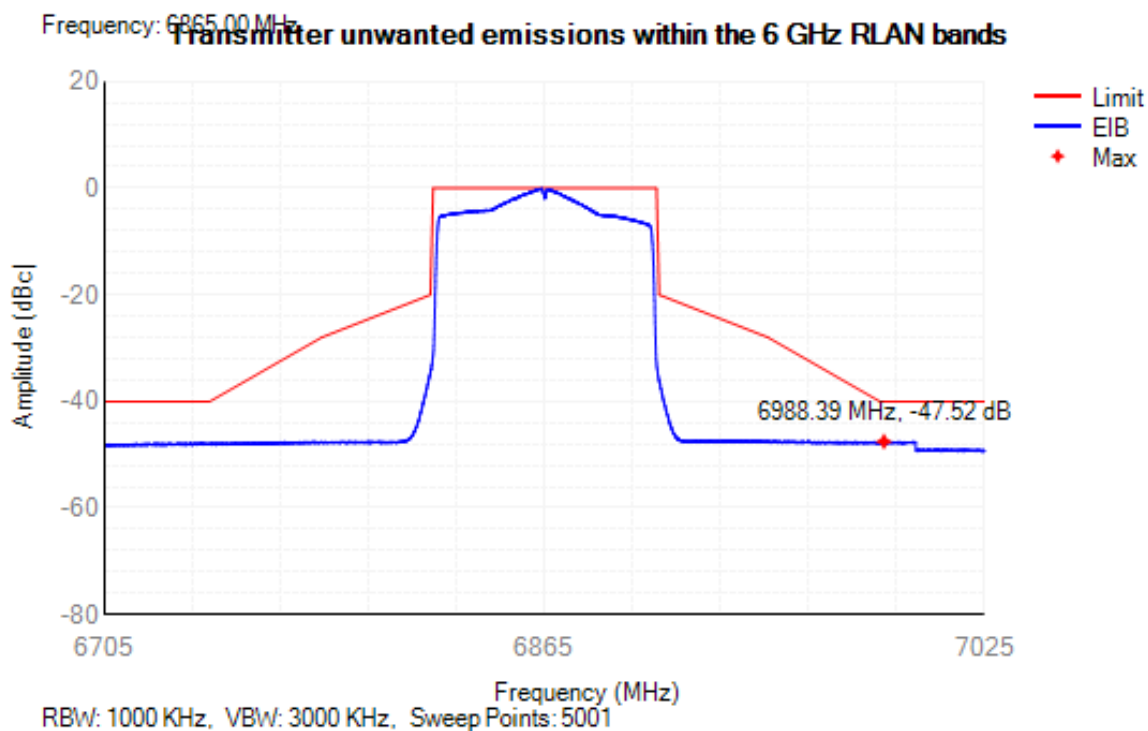
Power spectral mask NVNT ax80 6945MHz



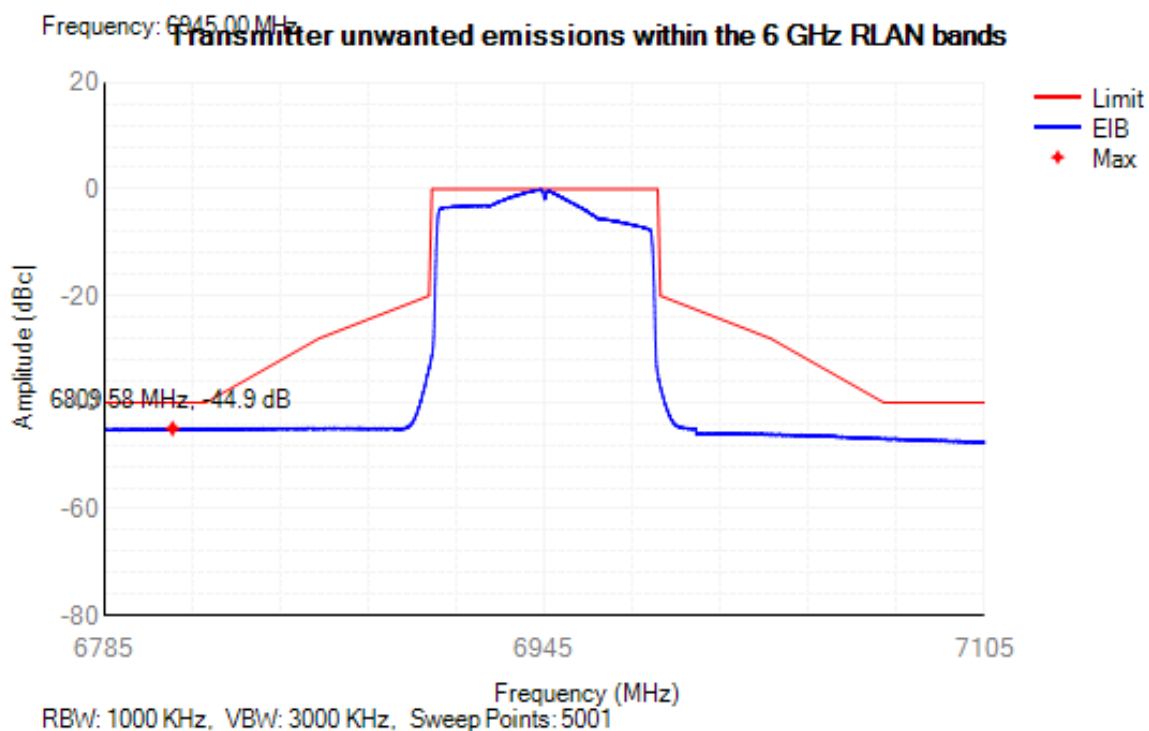
Power spectral mask NVNT ax80 7025MHz



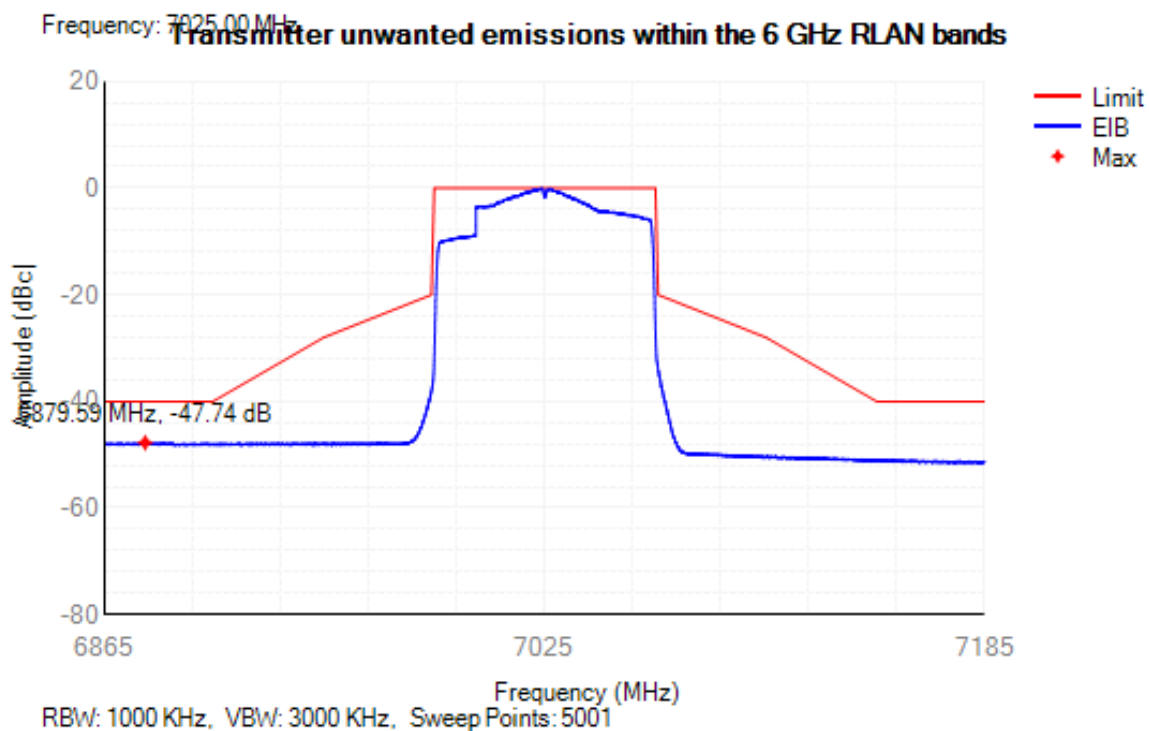
Power spectral mask NVNT ax80 6865MHz



Power spectral mask NVNT ax80 6945MHz

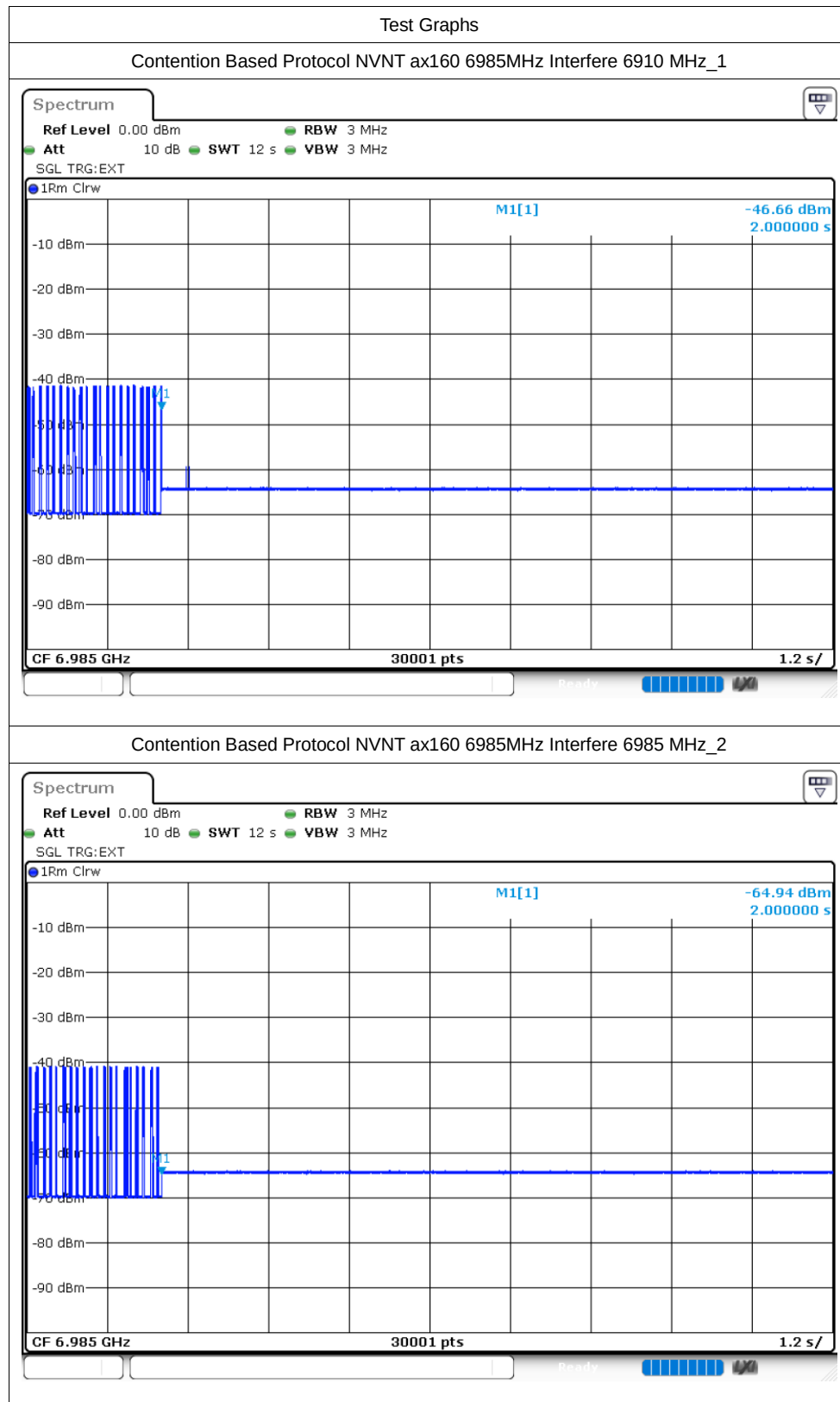


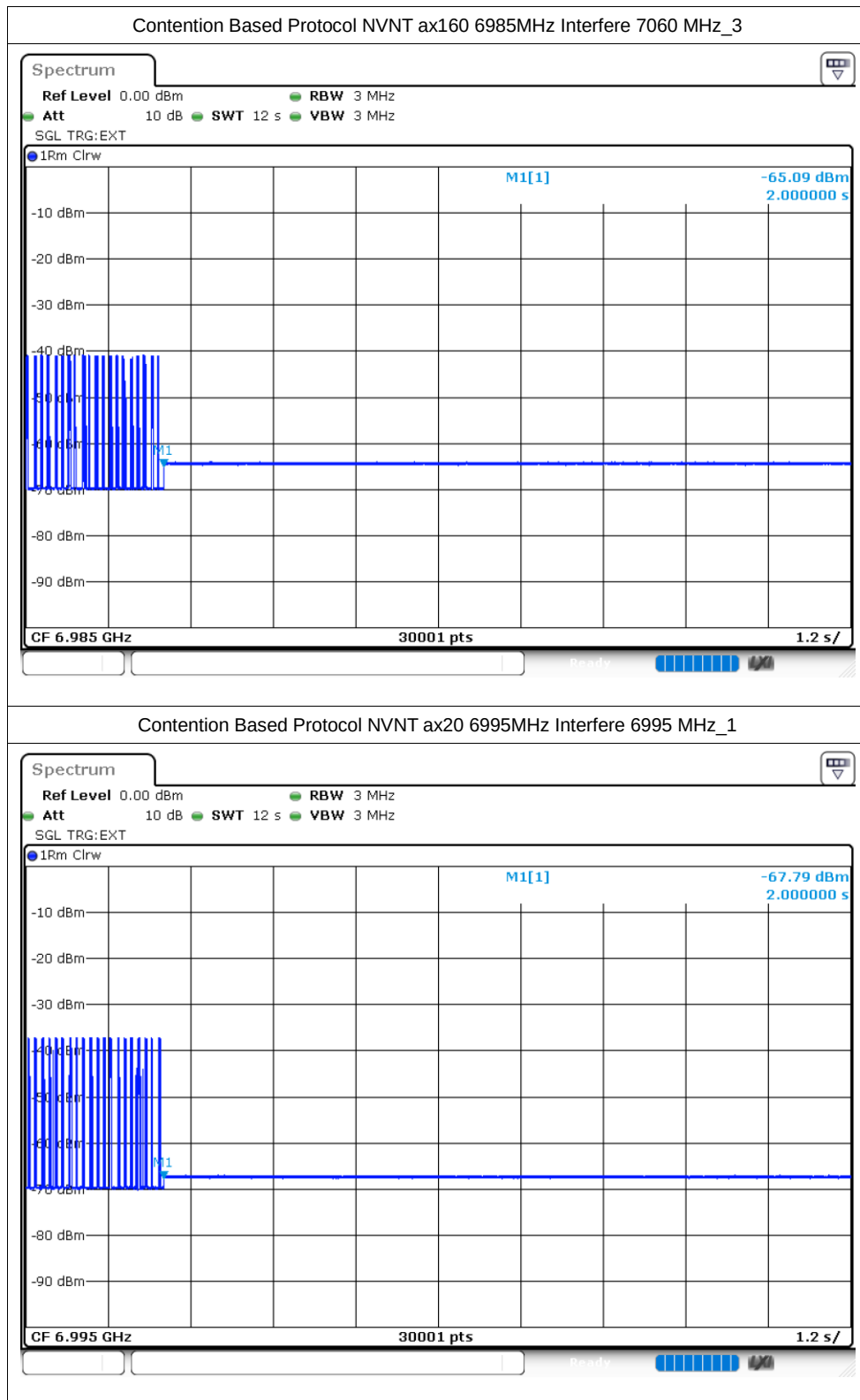
Power spectral mask NVNT ax80 7025MHz



Contention Based Protocol

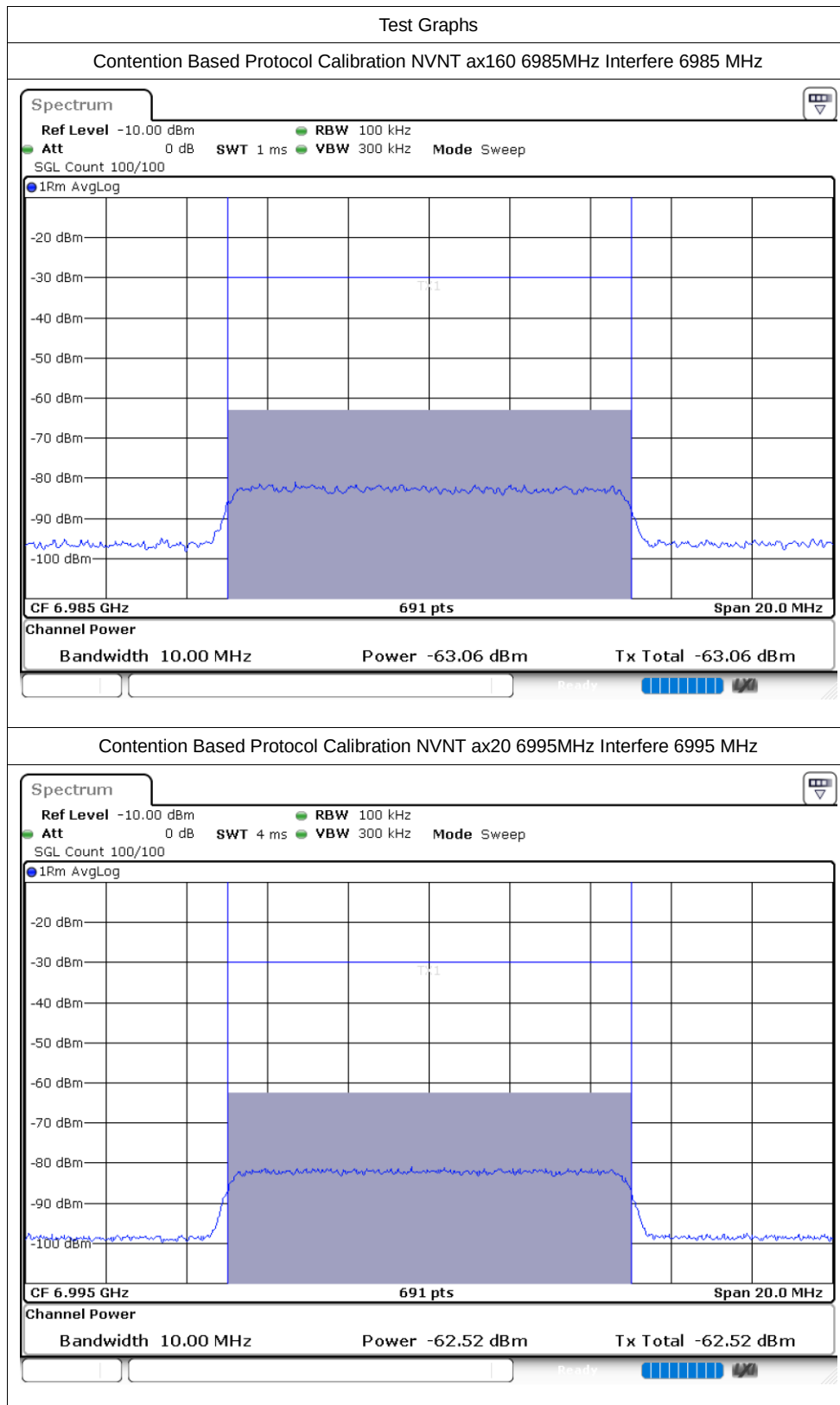
Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Time	Detection Probability (%)	Verdict
NVNT	ax160	6985	Ant1	Low	6910	10	100	Pass
NVNT	ax160	6985	Ant1	Middle	6985	10	100	Pass
NVNT	ax160	6985	Ant1	High	7060	10	100	Pass
NVNT	ax20	6995	Ant1	Center	6995	10	100	Pass





Contention Based Protocol Calibration

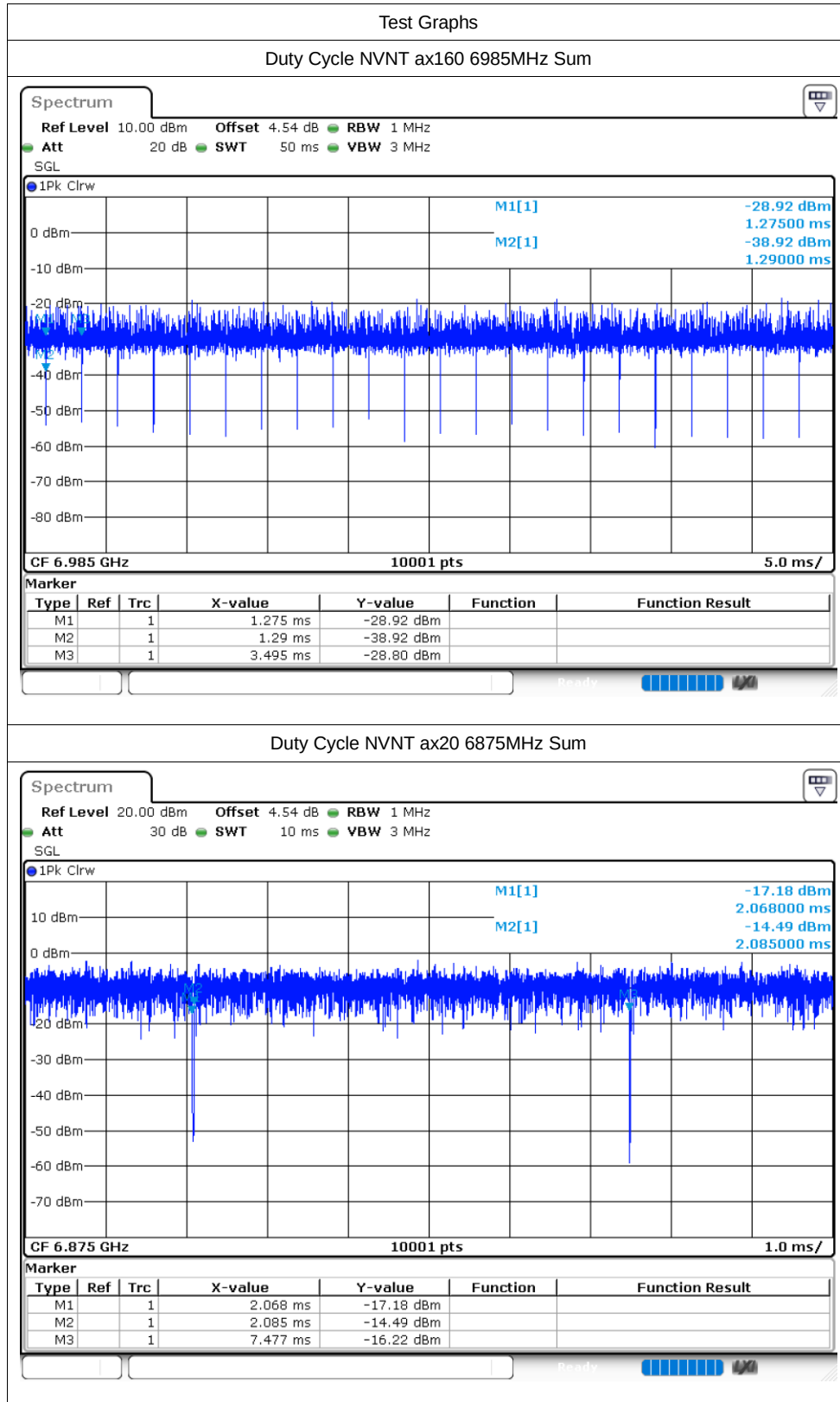
Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Injected Power (dBm)	Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Limit (dBm)
NVNT	ax160	6985	Ant1	Low	6985	-63.06	4.5	1.6	-65.96	-62
NVNT	ax20	6995	Ant1	Center	6995	-62.52	4.5	1.6	-65.42	-62

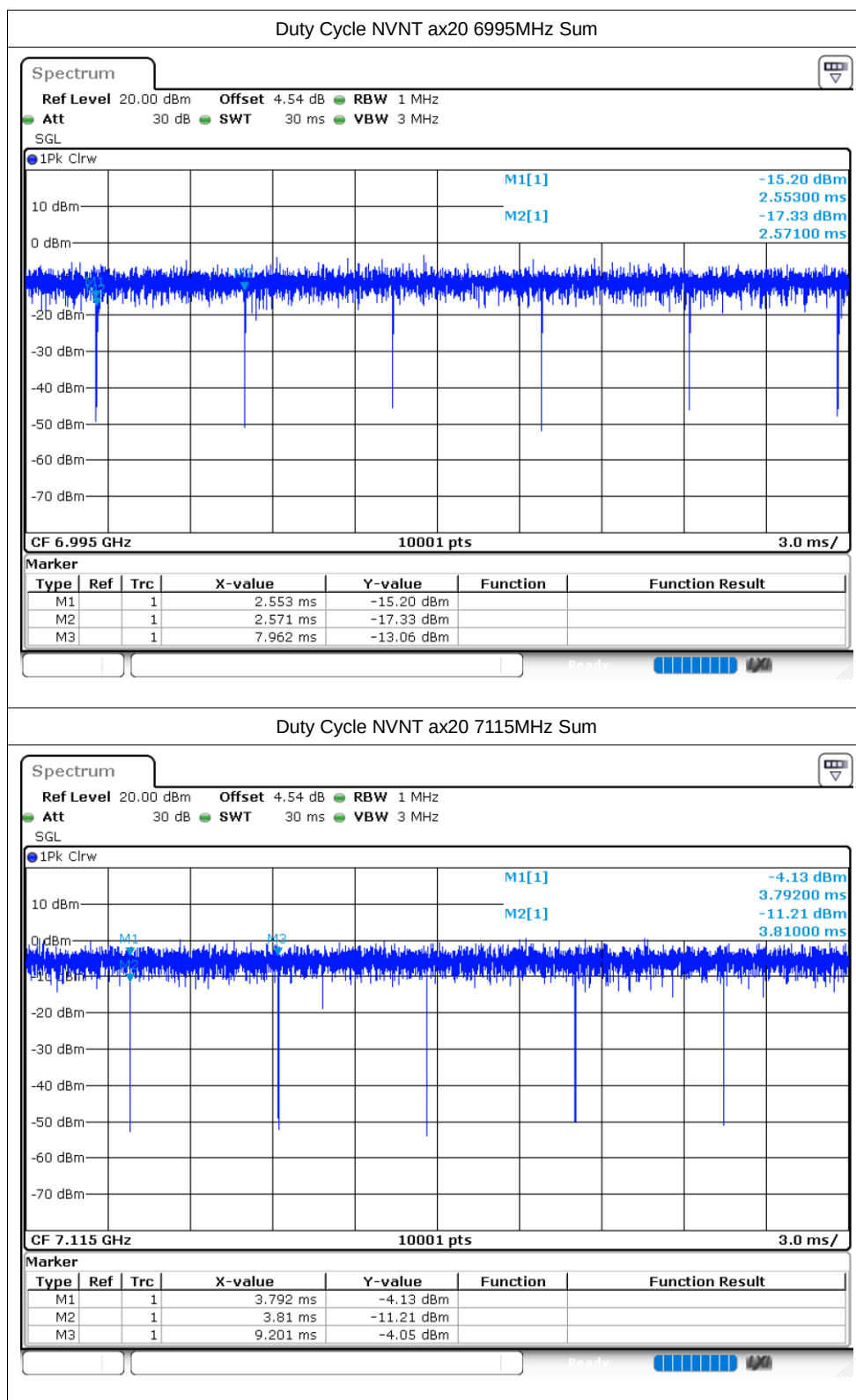


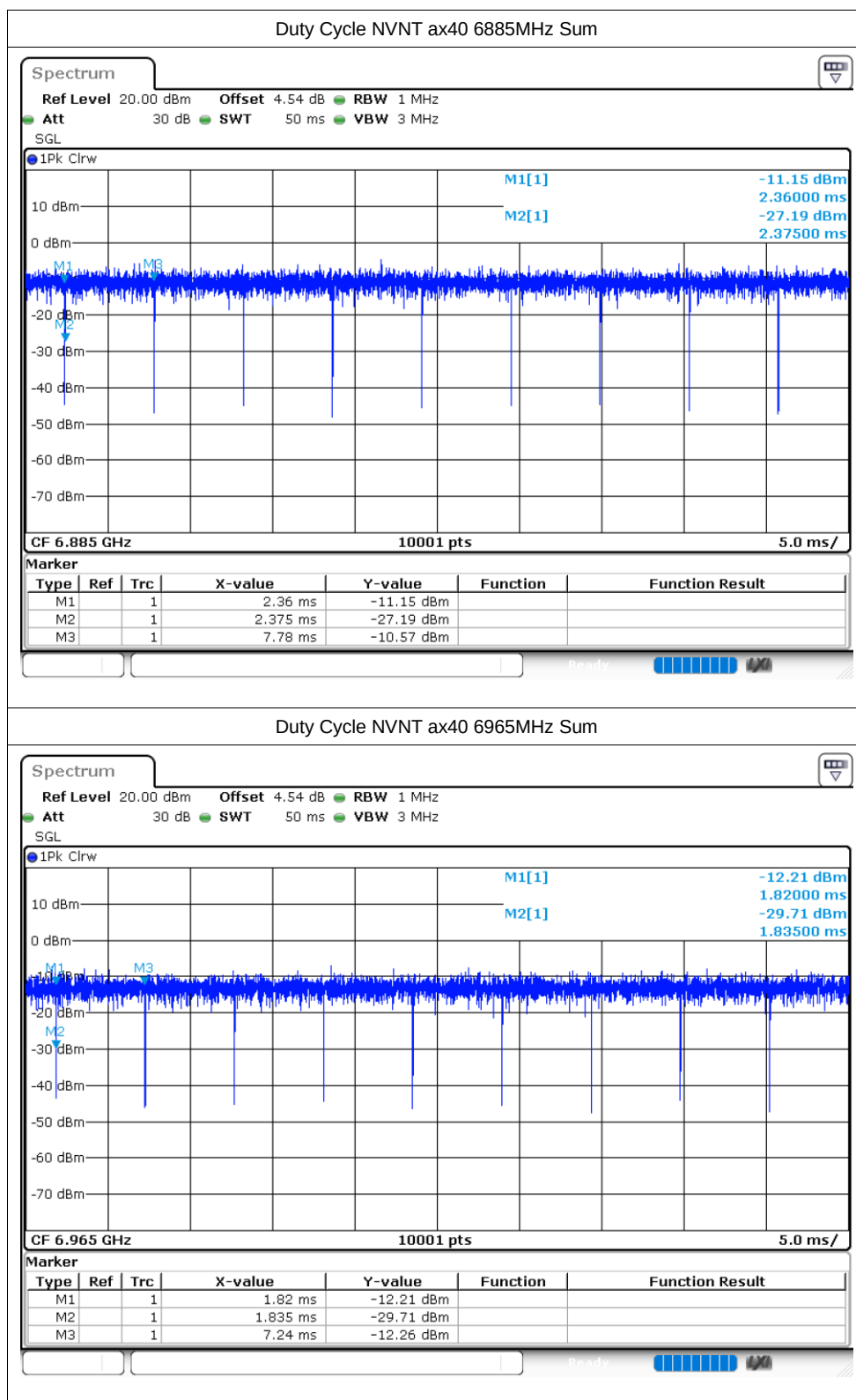
7.0 WIFI MIMO

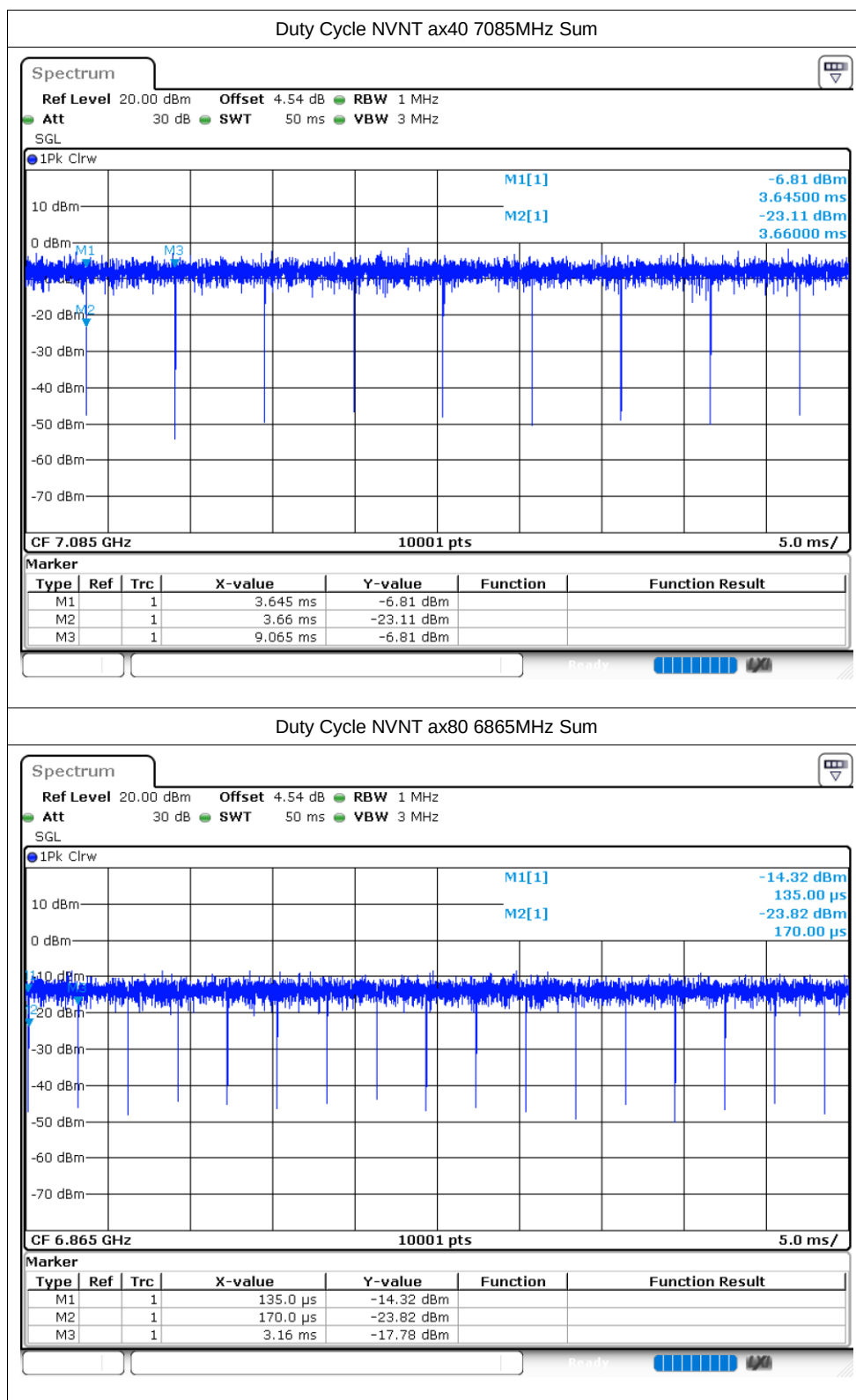
Duty Cycle

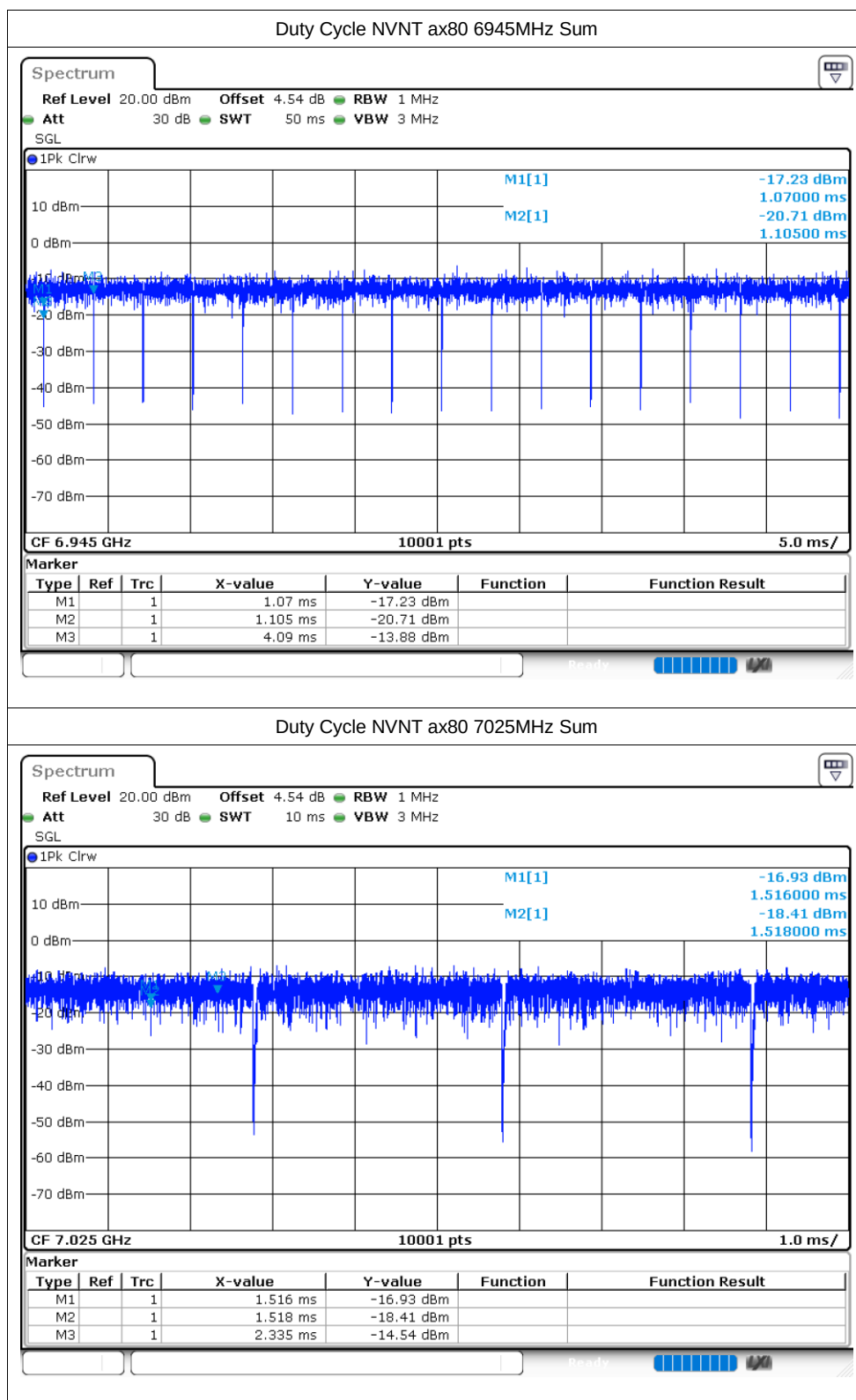
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax160	6985	Sum	99.32	0	0.45
NVNT	ax20	6875	Sum	99.69	0	0.19
NVNT	ax20	6995	Sum	99.67	0	0.19
NVNT	ax20	7115	Sum	99.67	0	0.19
NVNT	ax40	6885	Sum	99.72	0	0.19
NVNT	ax40	6965	Sum	99.72	0	0.19
NVNT	ax40	7085	Sum	99.72	0	0.19
NVNT	ax80	6865	Sum	98.84	0	0.33
NVNT	ax80	6945	Sum	98.84	0	0.34
NVNT	ax80	7025	Sum	99.76	0	1.22











Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Gain (dBi)	eirp Power	Limit (dBm)	Verdict
NVNT	ax160	6985	Ant1	8.06	4.5	12.56	24	Pass
NVNT	ax160	6985	Ant2	7	4.5	11.5	24	Pass
NVNT	ax160	6985	Sum			18.07	24	Pass
NVNT	ax20	6875	Ant1	0.26	4.5	4.76	24	Pass
NVNT	ax20	6875	Ant2	1.31	4.5	5.81	24	Pass
NVNT	ax20	6875	Sum			11.33	24	Pass
NVNT	ax20	6995	Ant1	-0.38	4.5	4.12	24	Pass
NVNT	ax20	6995	Ant2	-0.25	4.5	4.25	24	Pass
NVNT	ax20	6995	Sum			10.2	24	Pass
NVNT	ax20	7115	Ant1	-0.78	4.5	3.72	24	Pass
NVNT	ax20	7115	Ant2	0.17	4.5	4.67	24	Pass
NVNT	ax20	7115	Sum			10.23	24	Pass
NVNT	ax40	6885	Ant1	1.91	4.5	6.41	24	Pass
NVNT	ax40	6885	Ant2	3.46	4.5	7.96	24	Pass
NVNT	ax40	6885	Sum			13.26	24	Pass
NVNT	ax40	6965	Ant1	2.82	4.5	7.32	24	Pass
NVNT	ax40	6965	Ant2	1.92	4.5	6.42	24	Pass
NVNT	ax40	6965	Sum			12.9	24	Pass
NVNT	ax40	7085	Ant1	3.01	4.5	7.51	24	Pass
NVNT	ax40	7085	Ant2	1.94	4.5	6.44	24	Pass
NVNT	ax40	7085	Sum			13.02	24	Pass
NVNT	ax80	6865	Ant1	3.58	4.5	8.08	24	Pass
NVNT	ax80	6865	Ant2	5.89	4.5	10.39	24	Pass
NVNT	ax80	6865	Sum			15.40	24	Pass
NVNT	ax80	6945	Ant1	4.32	4.5	8.82	24	Pass
NVNT	ax80	6945	Ant2	3.11	4.5	7.61	24	Pass
NVNT	ax80	6945	Sum			14.27	24	Pass
NVNT	ax80	7025	Ant1	5.15	4.5	9.65	24	Pass
NVNT	ax80	7025	Ant2	6.47	4.5	10.97	24	Pass
NVNT	ax80	7025	Sum			16.37	24	Pass

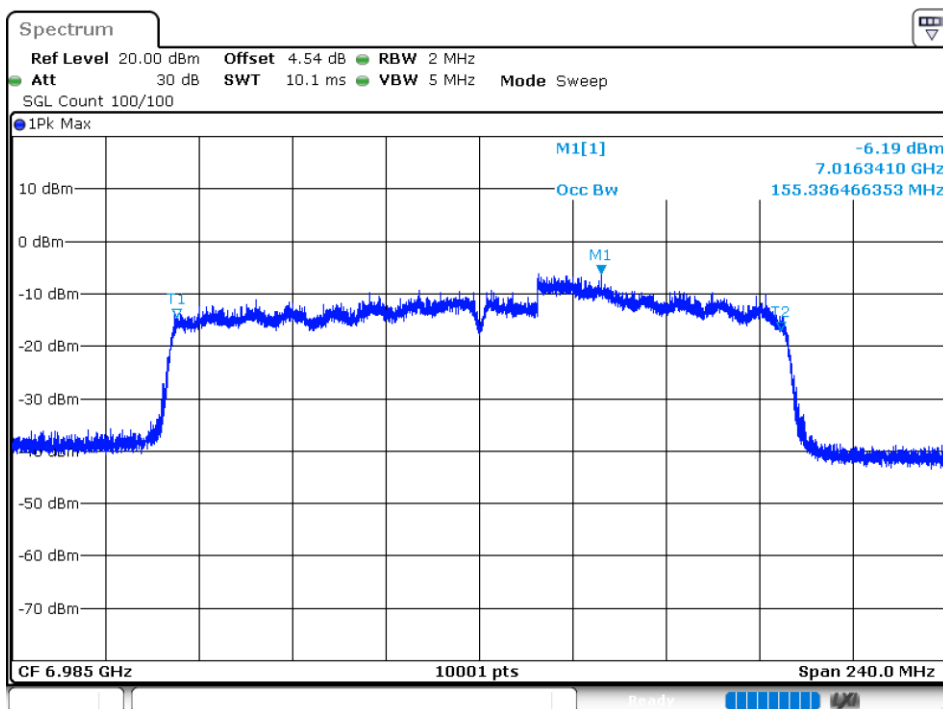
Note: The Duty Cycle factor has already been included.

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax160	6985	Ant1	155.336
NVNT	ax160	6985	Ant2	155.624
NVNT	ax20	6875	Ant1	18.844
NVNT	ax20	6875	Ant2	18.835
NVNT	ax20	6995	Ant1	18.676
NVNT	ax20	6995	Ant2	18.682
NVNT	ax20	7115	Ant1	18.805
NVNT	ax20	7115	Ant2	18.796
NVNT	ax40	6885	Ant1	37.586
NVNT	ax40	6885	Ant2	37.448
NVNT	ax40	6965	Ant1	37.388
NVNT	ax40	6965	Ant2	37.664
NVNT	ax40	7085	Ant1	37.556
NVNT	ax40	7085	Ant2	37.682
NVNT	ax80	6865	Ant1	76.732
NVNT	ax80	6865	Ant2	75.724
NVNT	ax80	6945	Ant1	74.477
NVNT	ax80	6945	Ant2	76.78
NVNT	ax80	7025	Ant1	75.7
NVNT	ax80	7025	Ant2	75.676

Test Graphs

OBW NVNT ax160 6985MHz Ant1



OBW NVNT ax160 6985MHz Ant2

