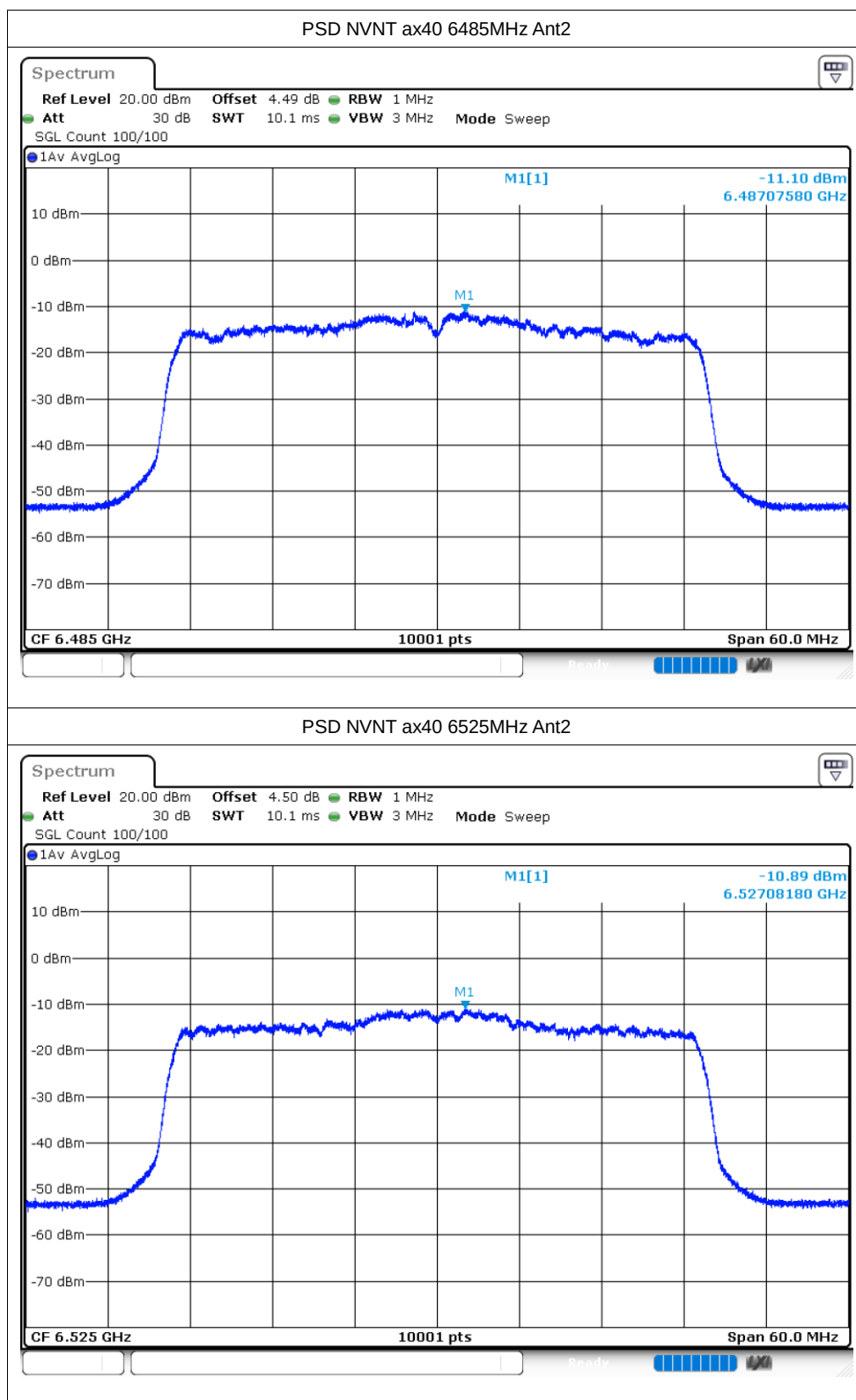
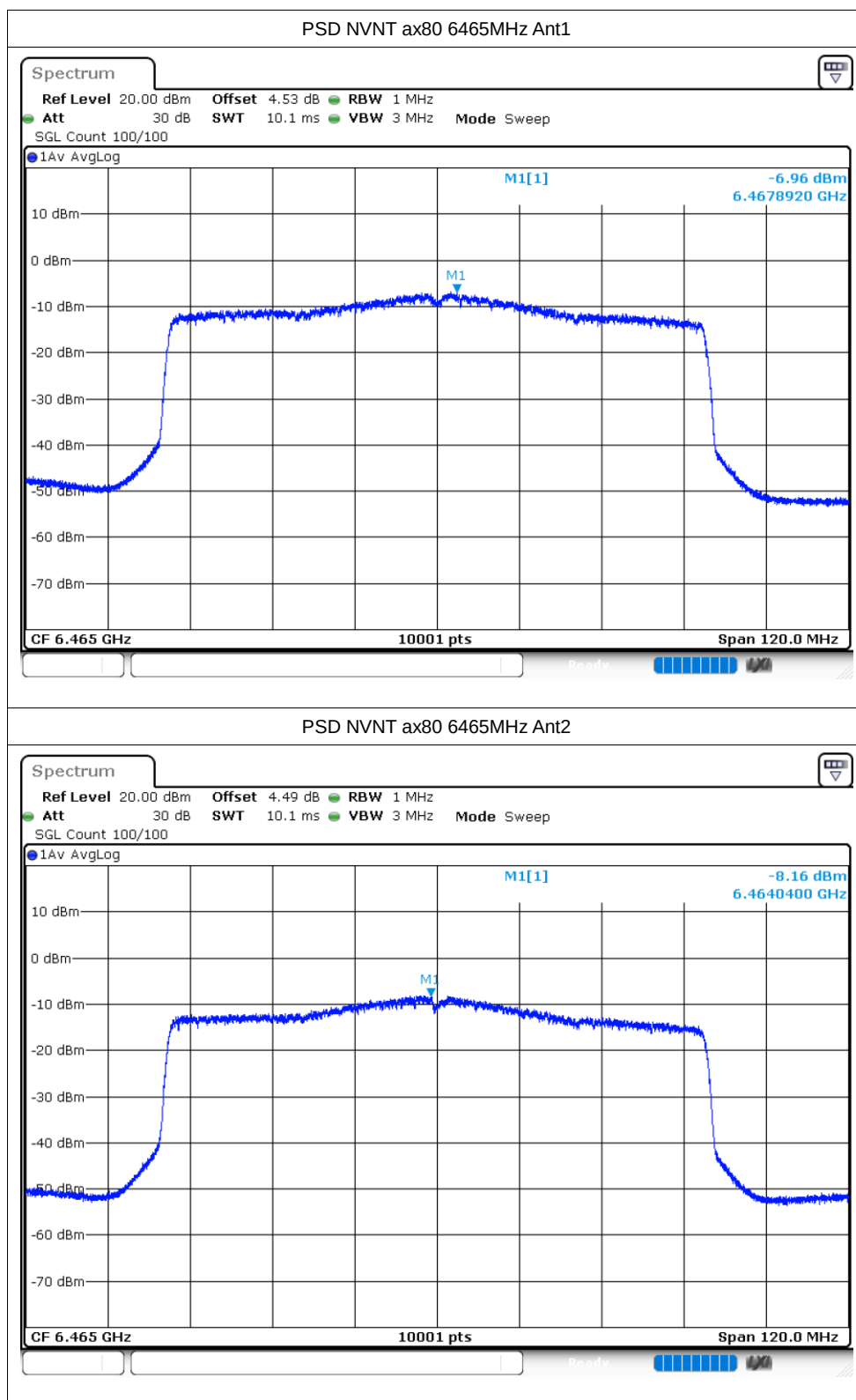




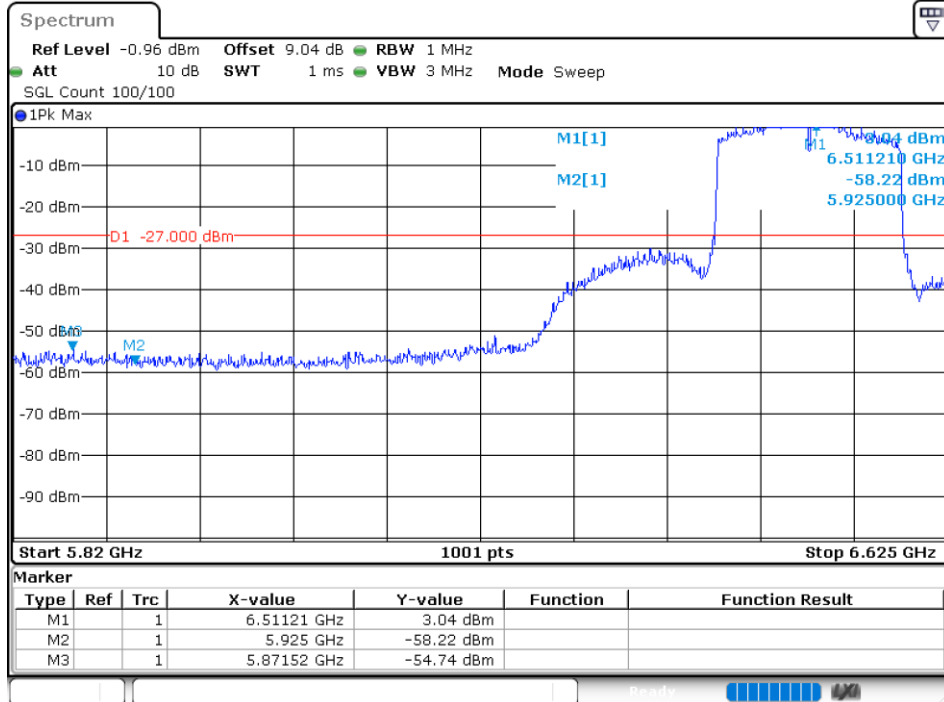


Band Edge

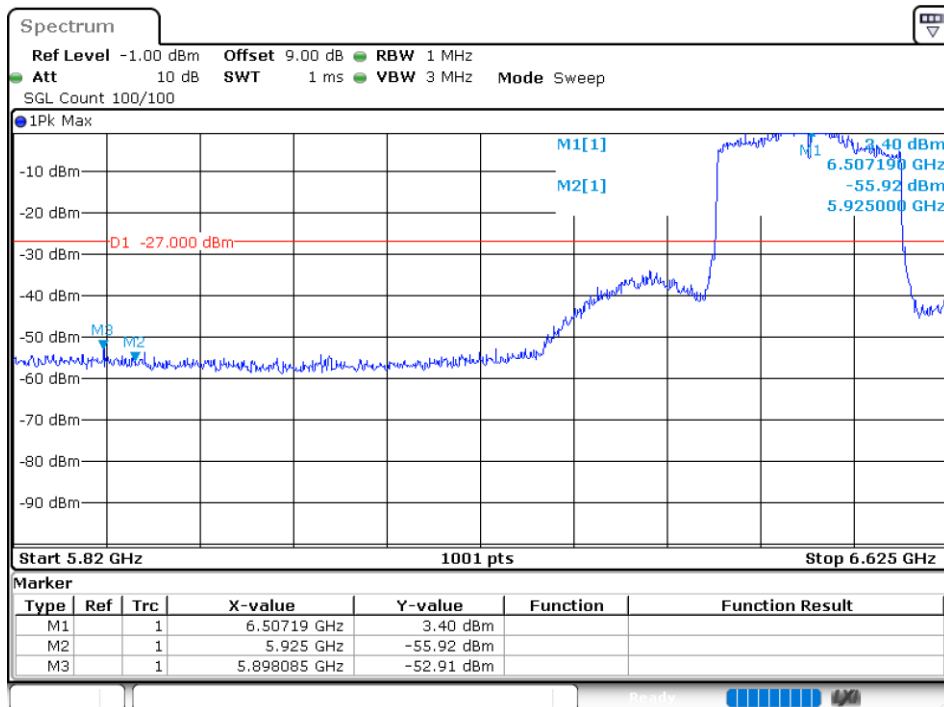
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6505	Ant1	-54.73	-27	Pass
NVNT	ax160	6505	Ant2	-52.9	-27	Pass
NVNT	ax20	6435	Ant1	-45.93	-27	Pass
NVNT	ax20	6515	Ant1	-47.3	-27	Pass
NVNT	ax20	6435	Ant2	-46.61	-27	Pass
NVNT	ax20	6515	Ant2	-48.2	-27	Pass
NVNT	ax40	6445	Ant1	-46.27	-27	Pass
NVNT	ax40	6525	Ant1	-48.03	-27	Pass
NVNT	ax40	6445	Ant2	-46.23	-27	Pass
NVNT	ax40	6525	Ant2	-48.29	-27	Pass
NVNT	ax80	6465	Ant1	-45.93	-27	Pass
NVNT	ax80	6465	Ant2	-46.88	-27	Pass

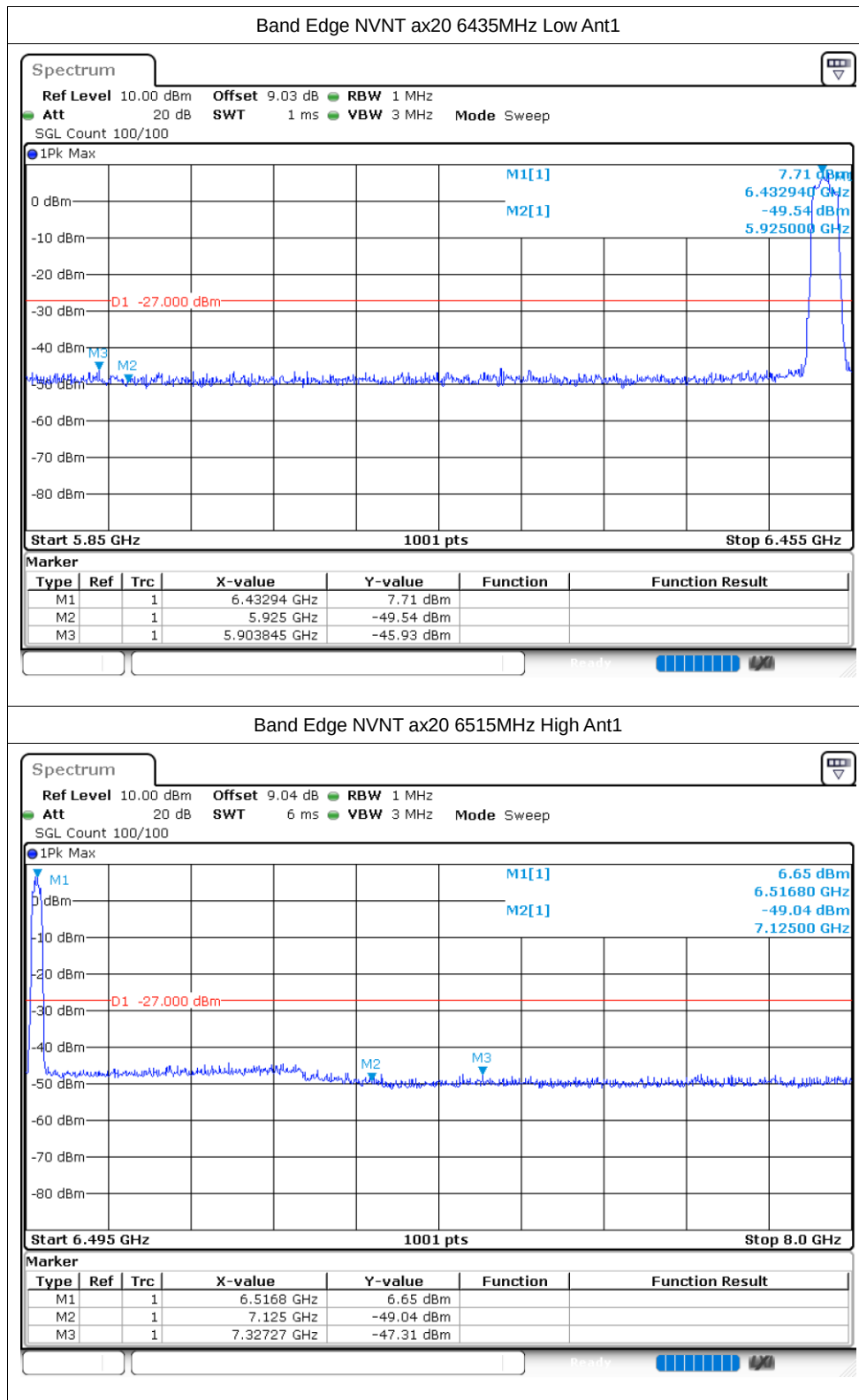
Test Graphs

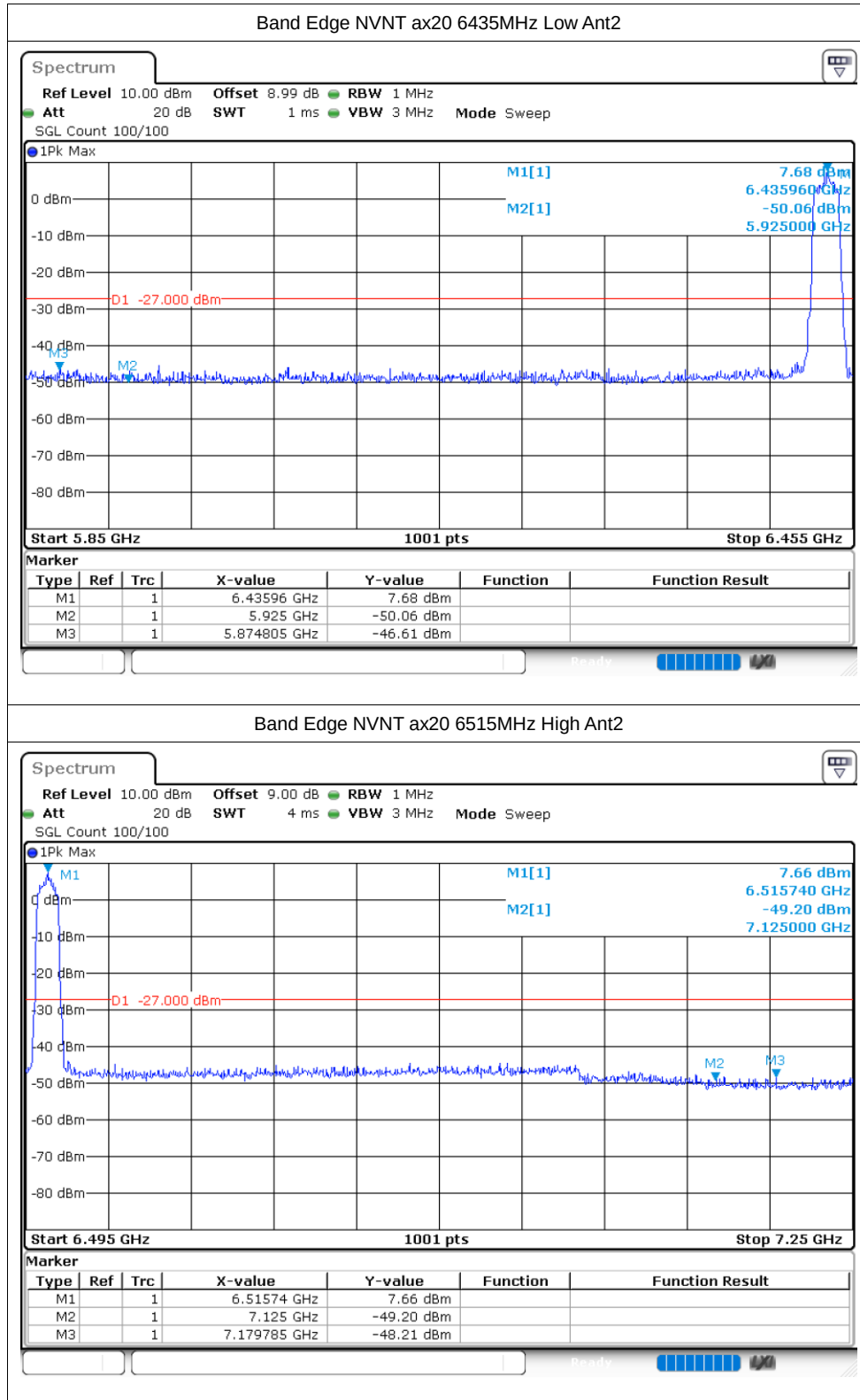
Band Edge NVNT ax160 6505MHz Low Ant1

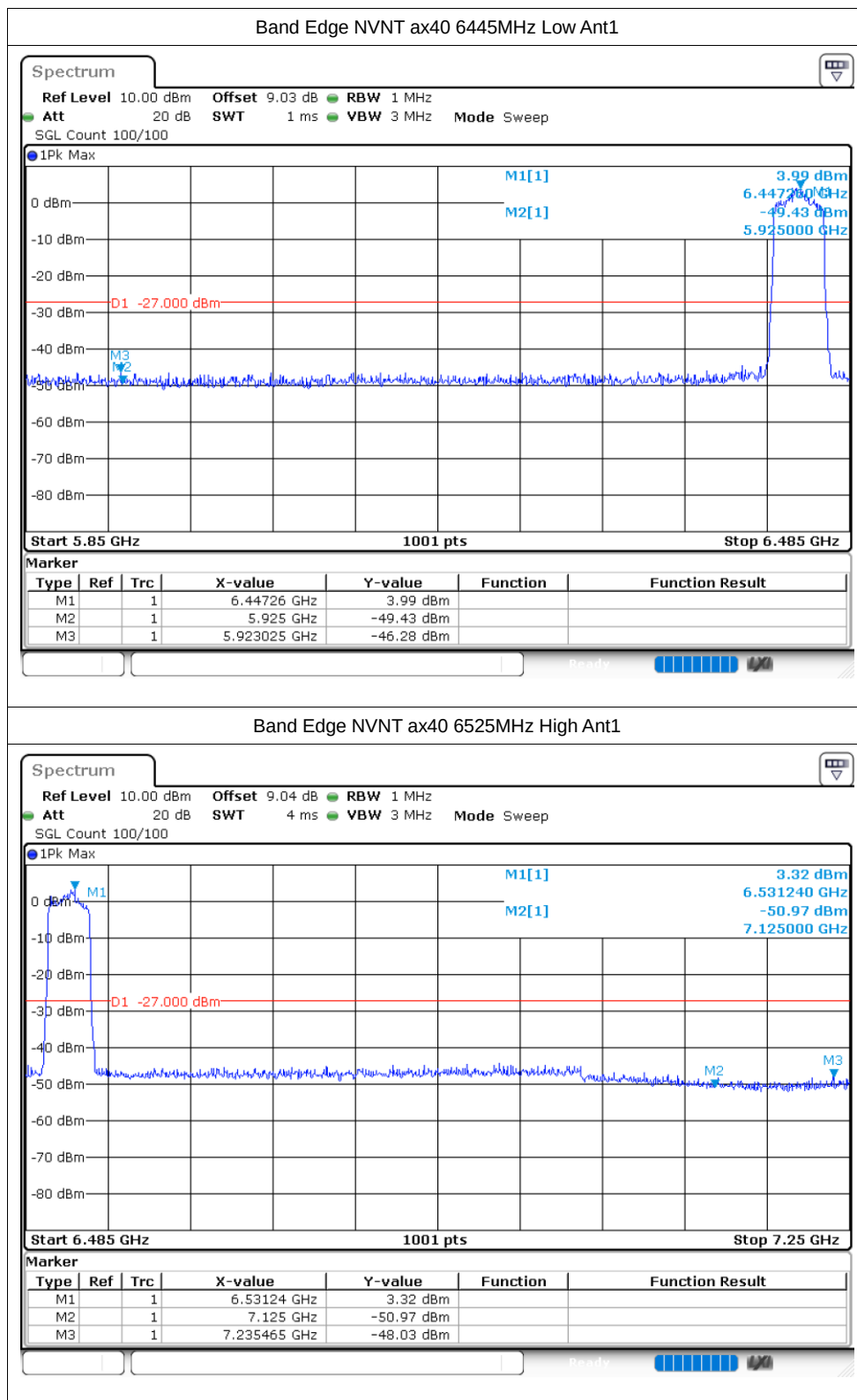


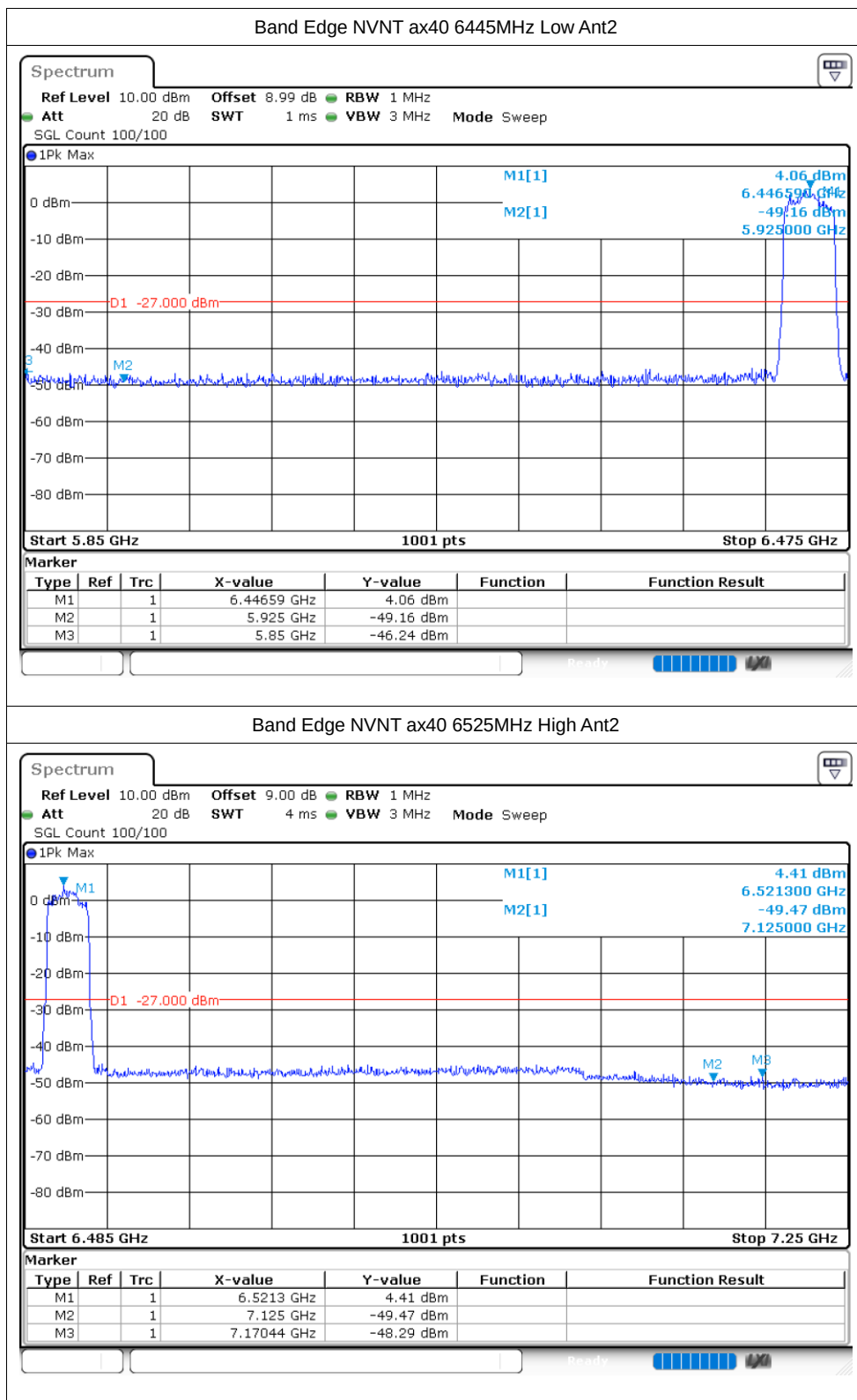
Band Edge NVNT ax160 6505MHz Low Ant2

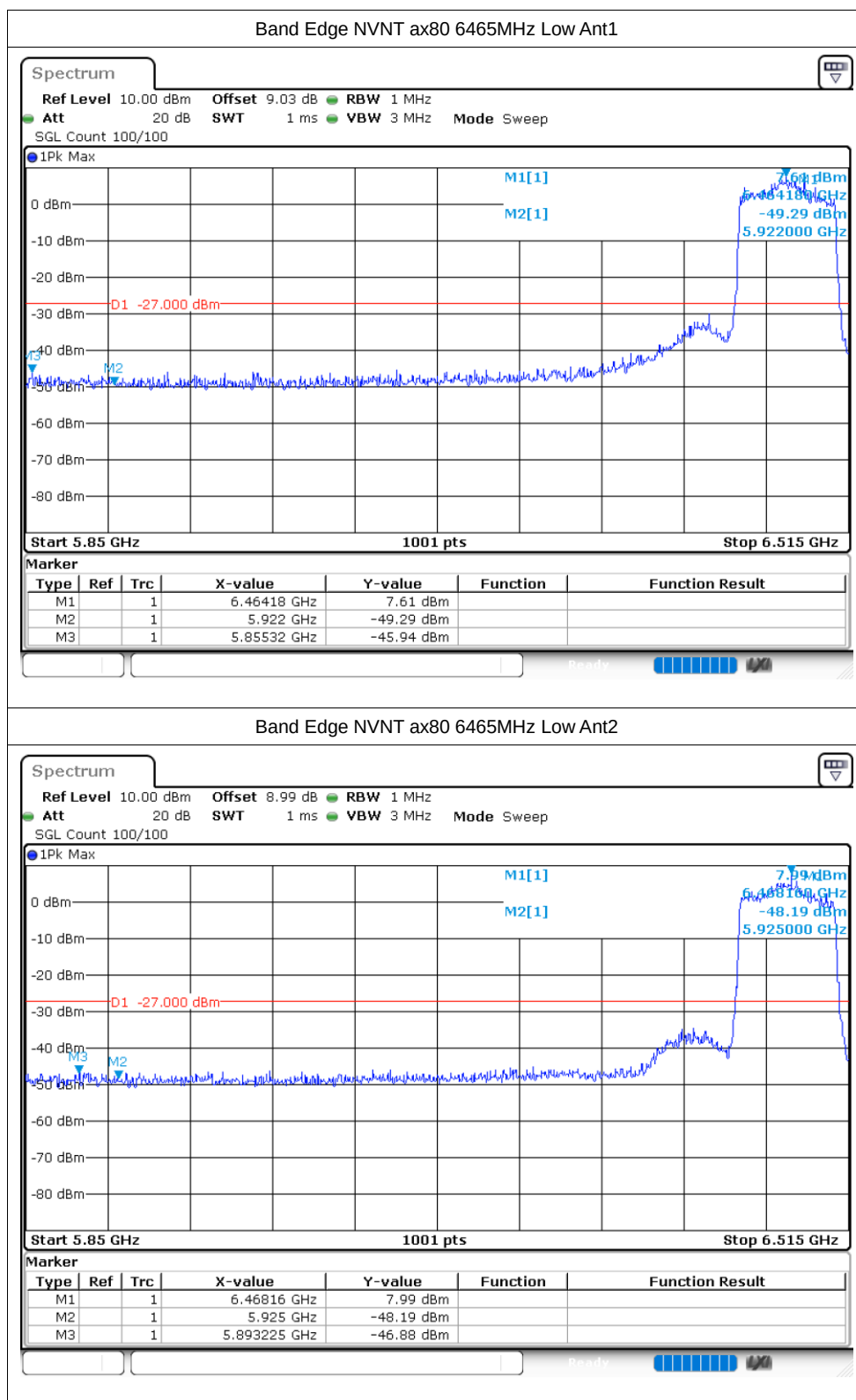










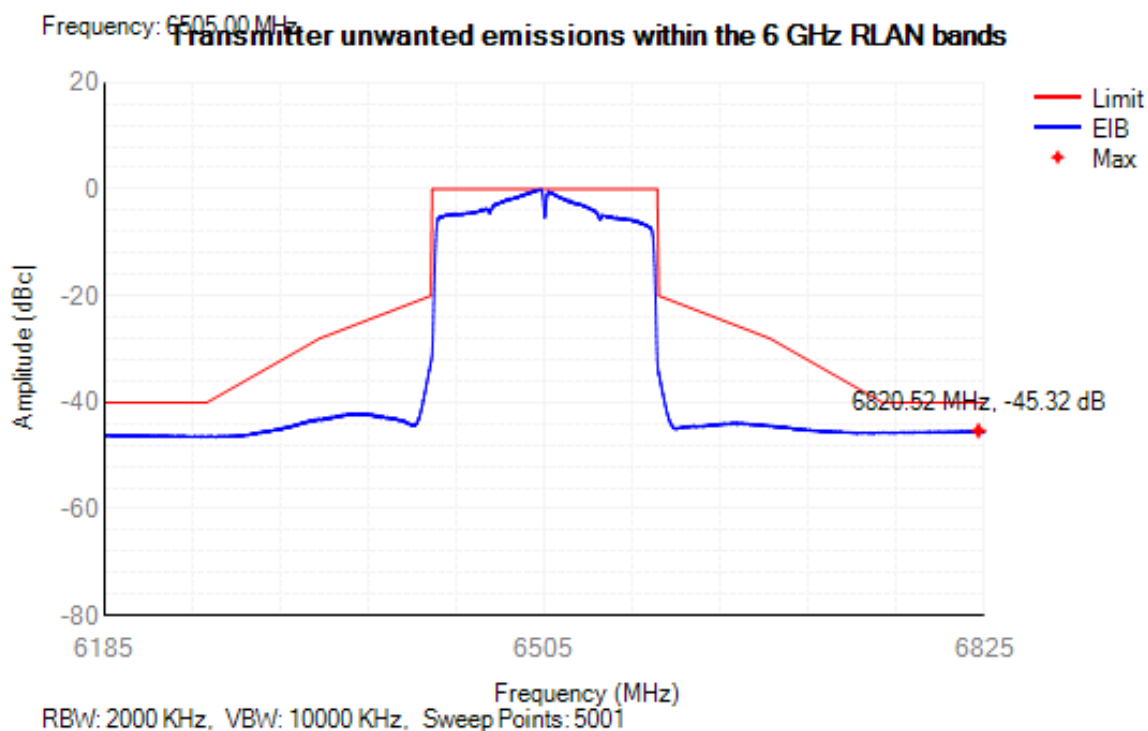


Power spectral mask

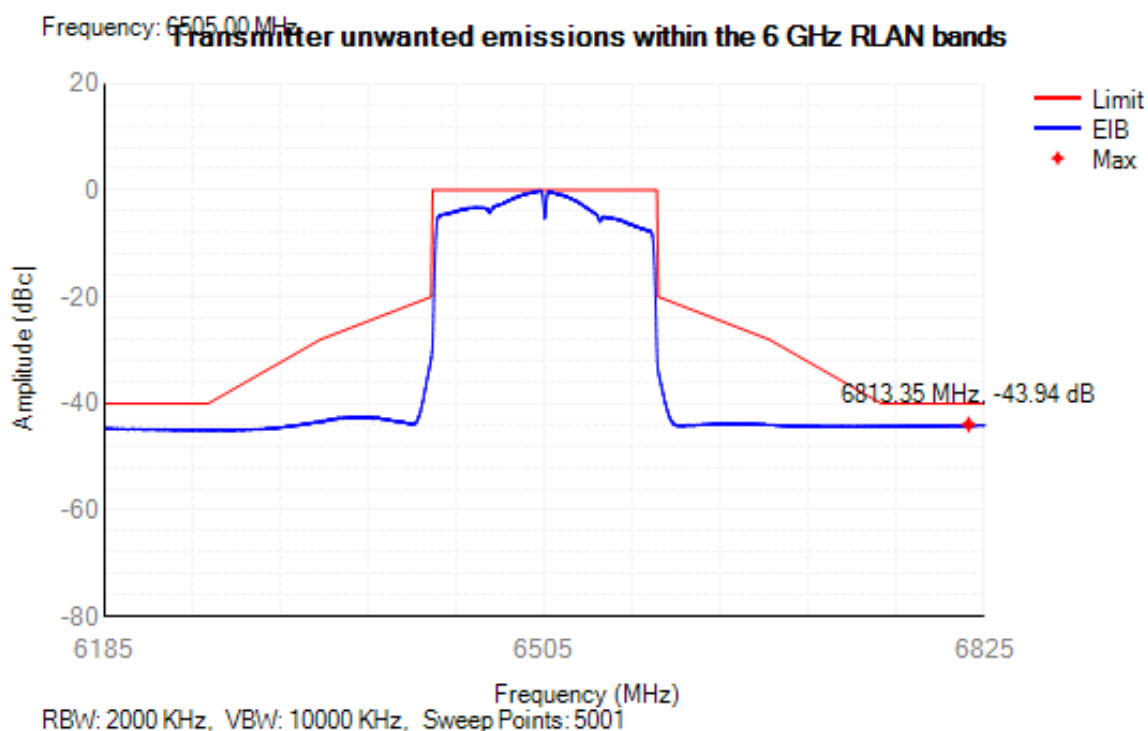
Condition	Mode	Frequency (MHz)	Antenna	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
NVNT	ax160	6505	Ant1	Band1	6820.52	-45.32	-40	Pass
NVNT	ax160	6505	Ant2	Band1	6813.35	-43.94	-40	Pass
NVNT	ax20	6435	Ant1	Band1	6395.85	-45.59	-40	Pass
NVNT	ax20	6475	Ant1	Band1	6514.25	-45.68	-40	Pass
NVNT	ax20	6515	Ant1	Band1	6546.78	-43.61	-40	Pass
NVNT	ax20	6435	Ant2	Band1	6403.19	-44.69	-40	Pass
NVNT	ax20	6475	Ant2	Band1	6511.9	-44.22	-40	Pass
NVNT	ax20	6515	Ant2	Band1	6550.66	-44.29	-40	Pass
NVNT	ax40	6445	Ant1	Band1	6371.3	-42.42	-40	Pass
NVNT	ax40	6485	Ant1	Band1	6552.26	-42.32	-40	Pass
NVNT	ax40	6525	Ant1	Band1	6603.43	-50.04	-40	Pass
NVNT	ax40	6445	Ant2	Band1	6366.12	-42.03	-40	Pass
NVNT	ax40	6485	Ant2	Band1	6554.73	-41.34	-40	Pass
NVNT	ax40	6525	Ant2	Band1	6600.52	-50.8	-40	Pass
NVNT	ax80	6465	Ant1	Band1	6615.27	-49.23	-40	Pass
NVNT	ax80	6465	Ant2	Band1	6322.15	-48.5	-40	Pass

Test Graphs

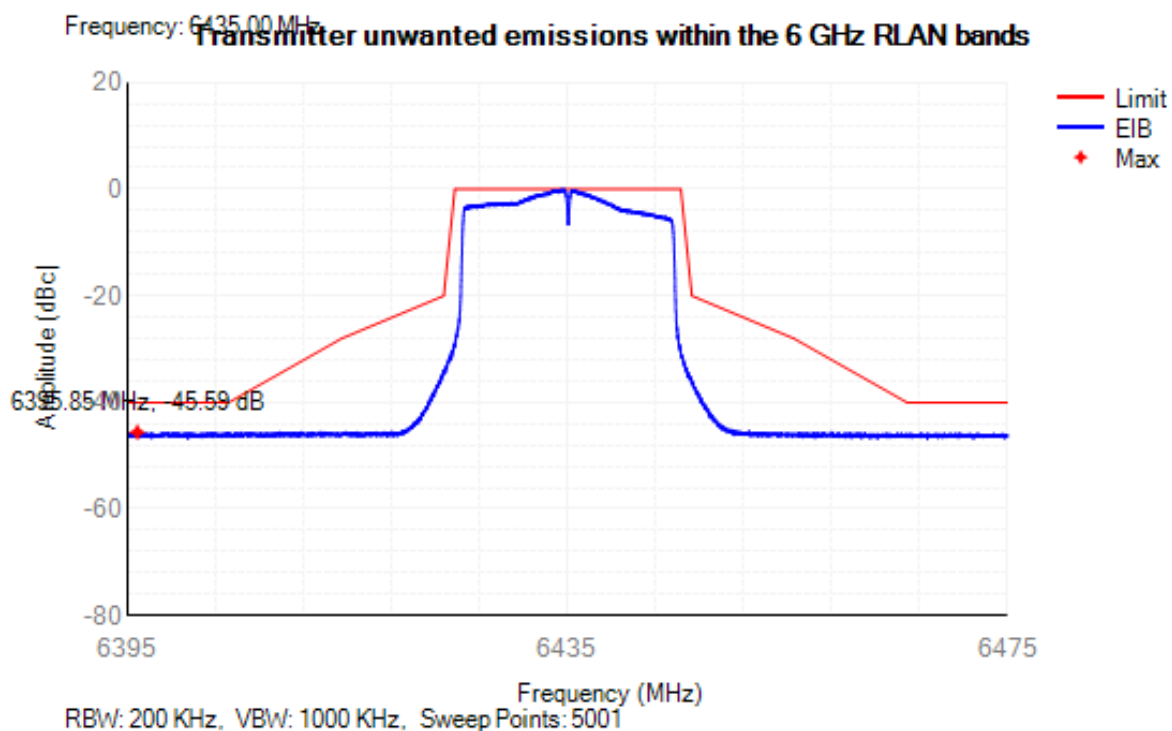
Power spectral mask NVNT ax160 6505MHz



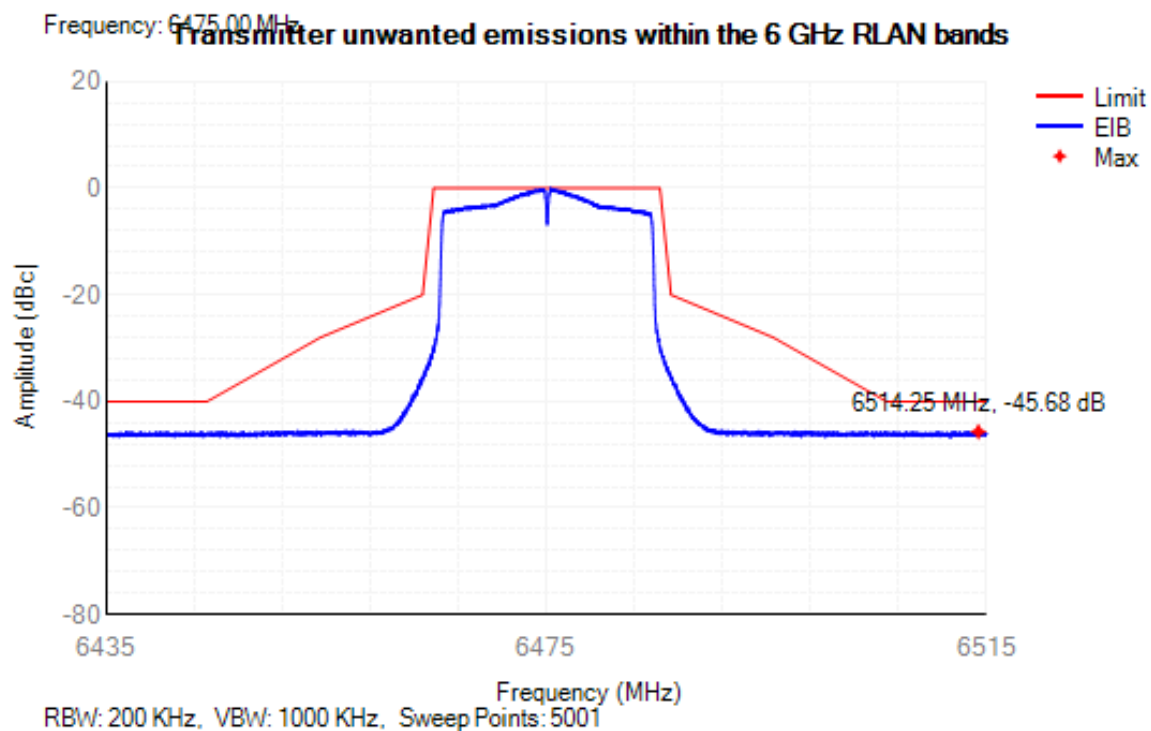
Power spectral mask NVNT ax160 6505MHz



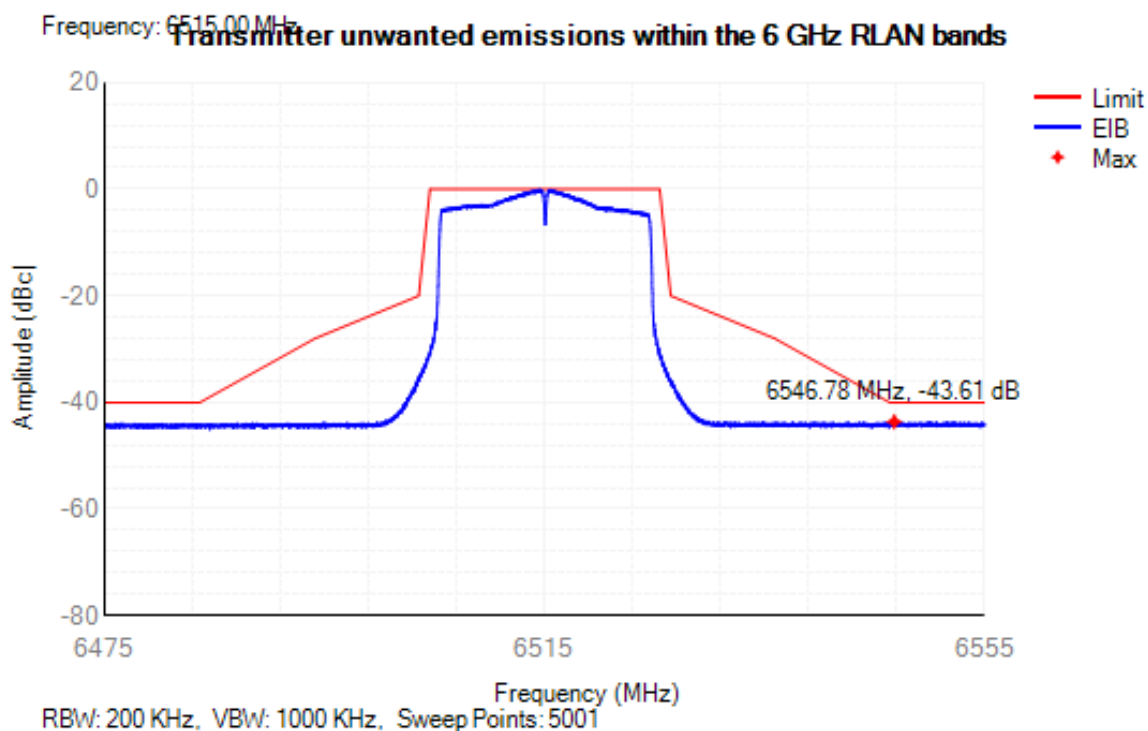
Power spectral mask NVNT ax20 6435MHz



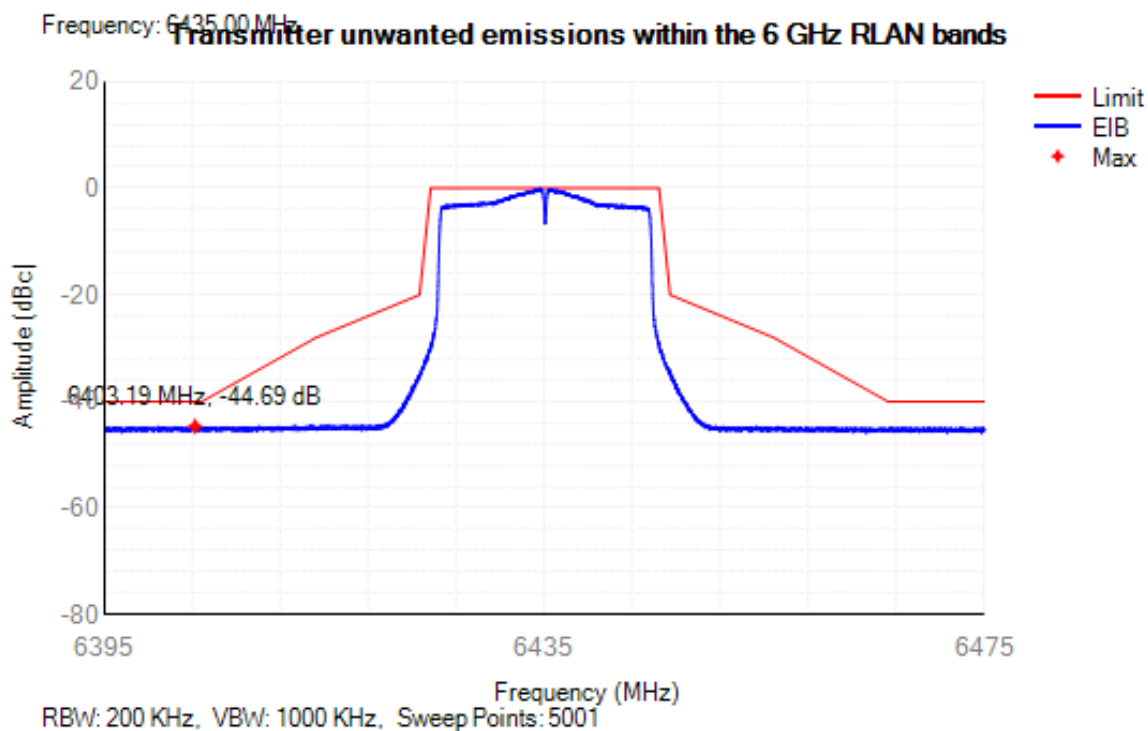
Power spectral mask NVNT ax20 6475MHz



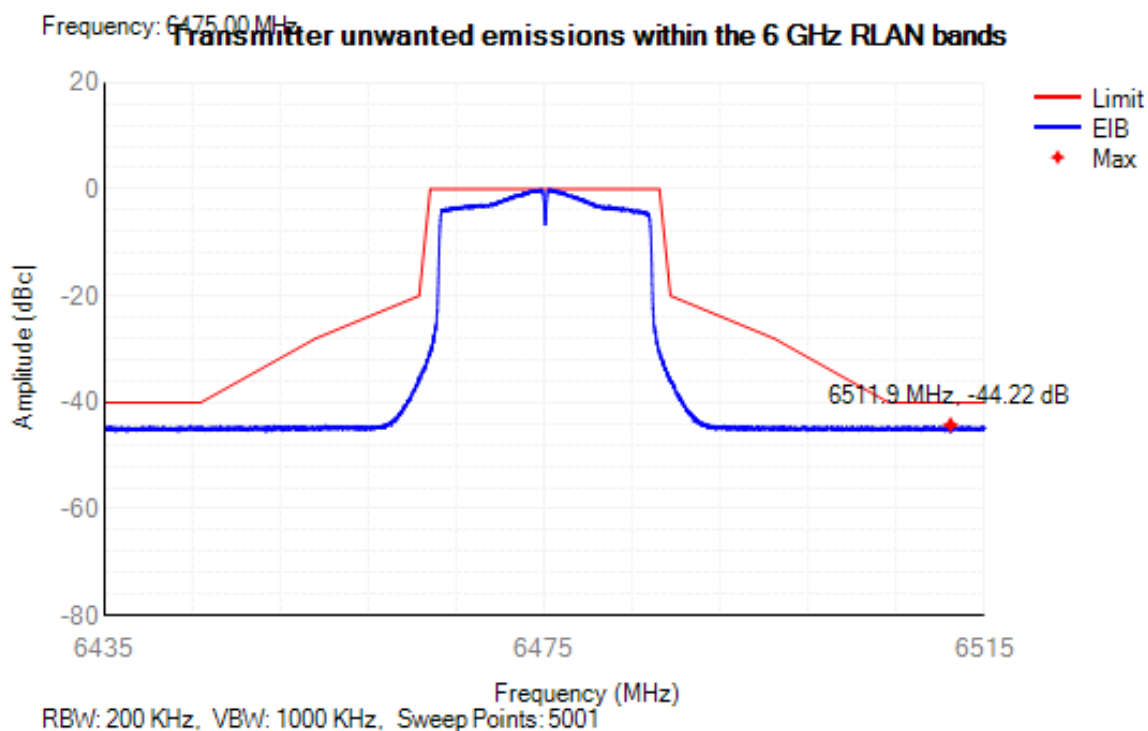
Power spectral mask NVNT ax20 6515MHz



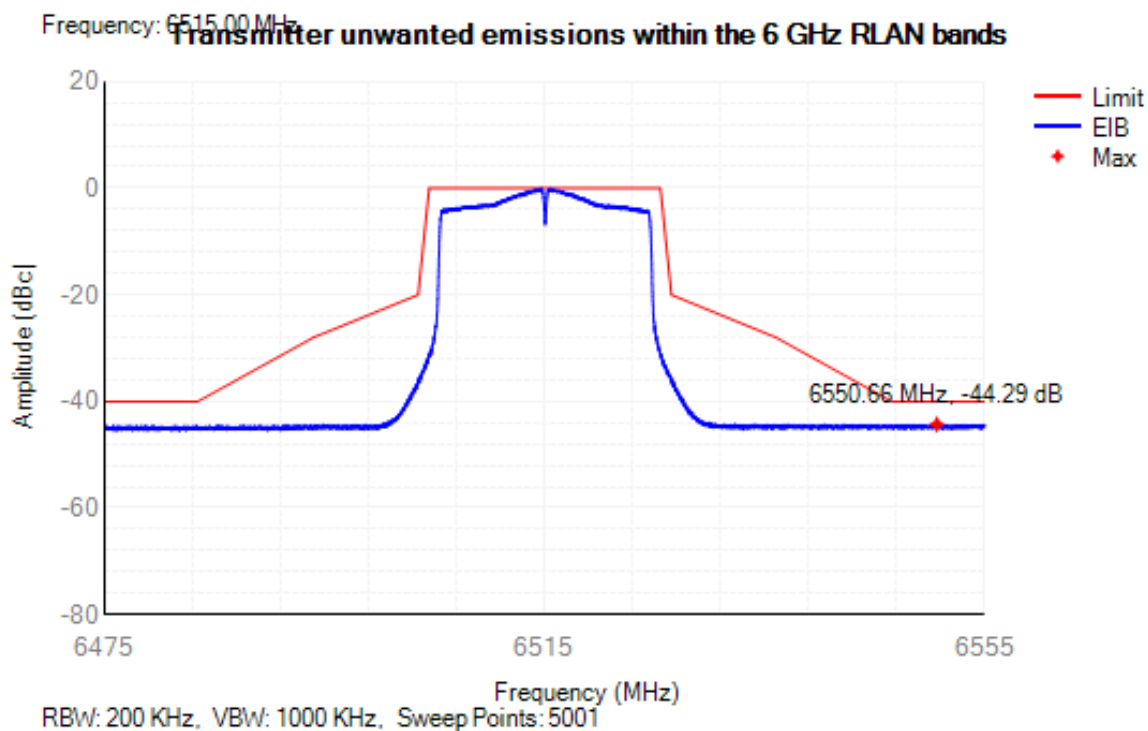
Power spectral mask NVNT ax20 6435MHz



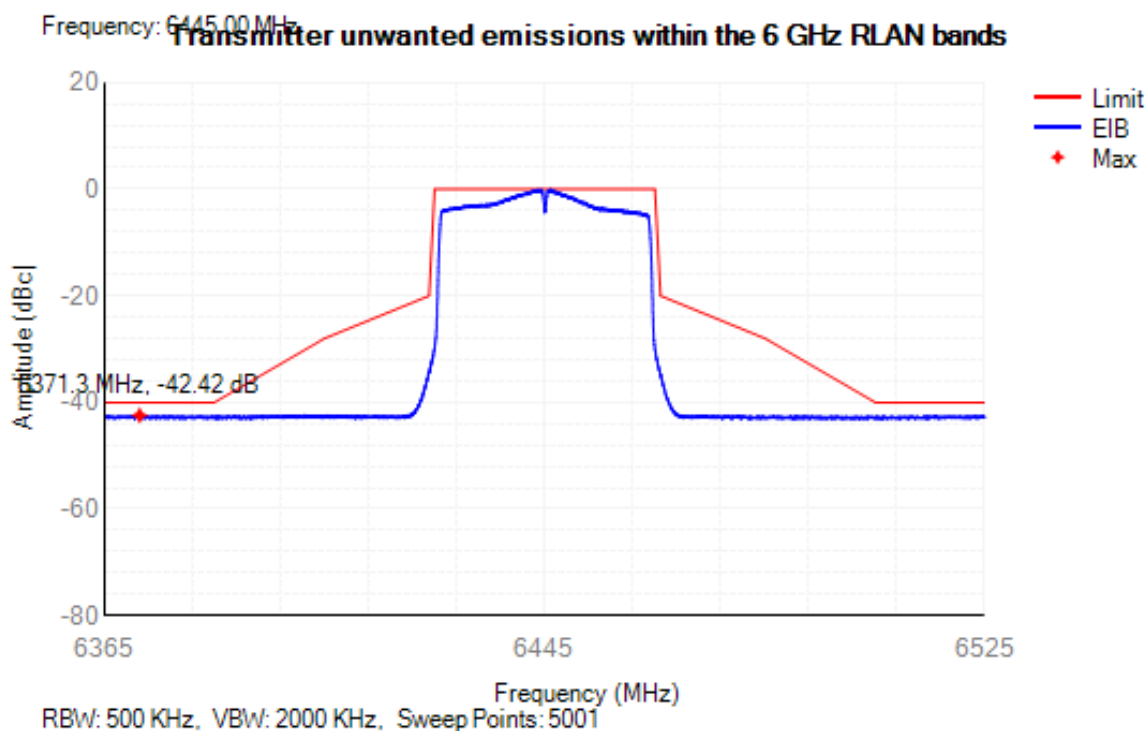
Power spectral mask NVNT ax20 6475MHz



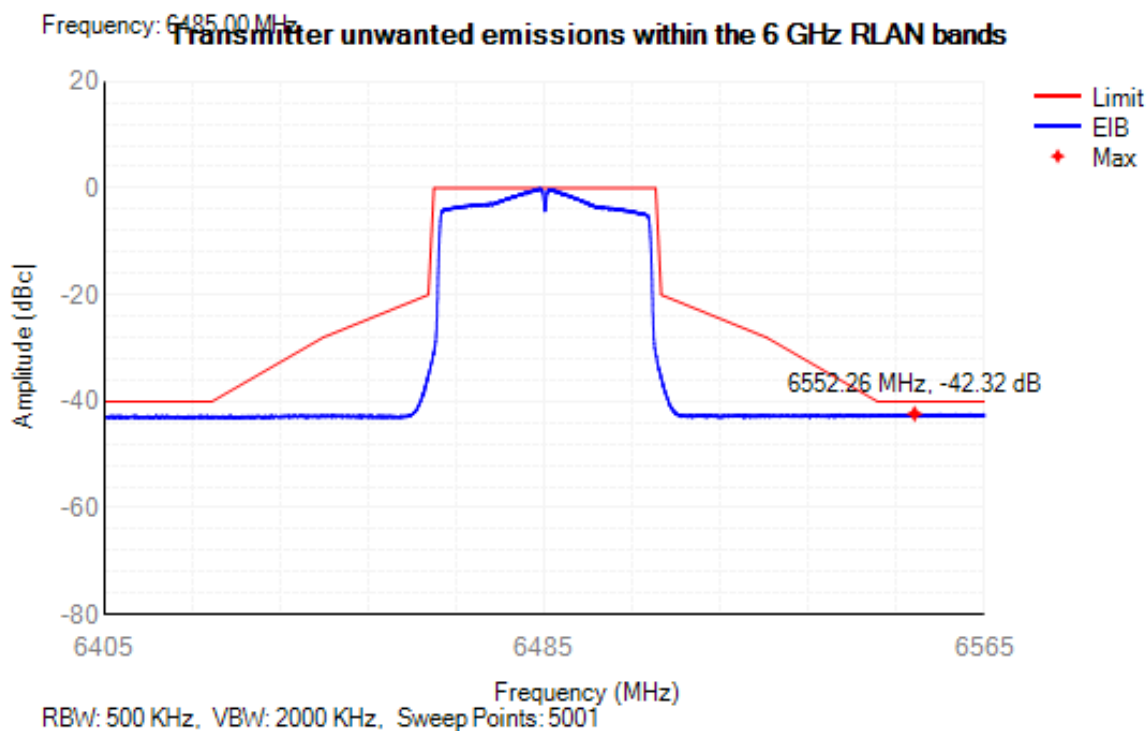
Power spectral mask NVNT ax20 6515MHz



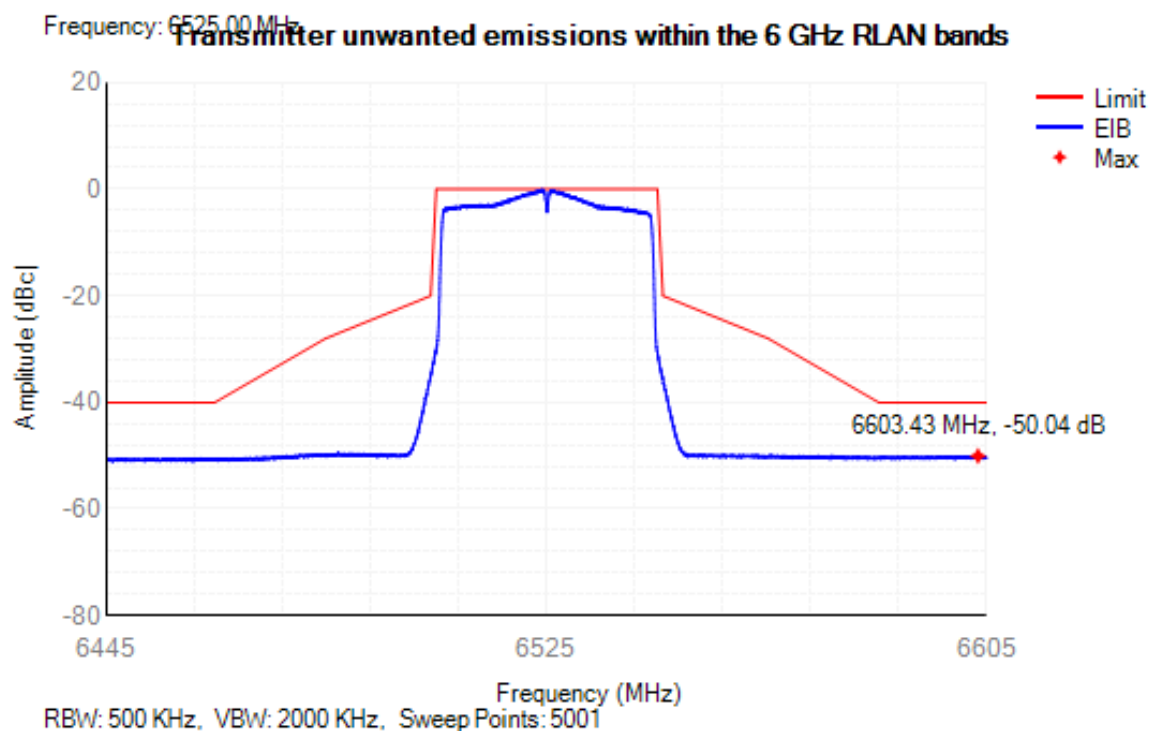
Power spectral mask NVNT ax40 6445MHz



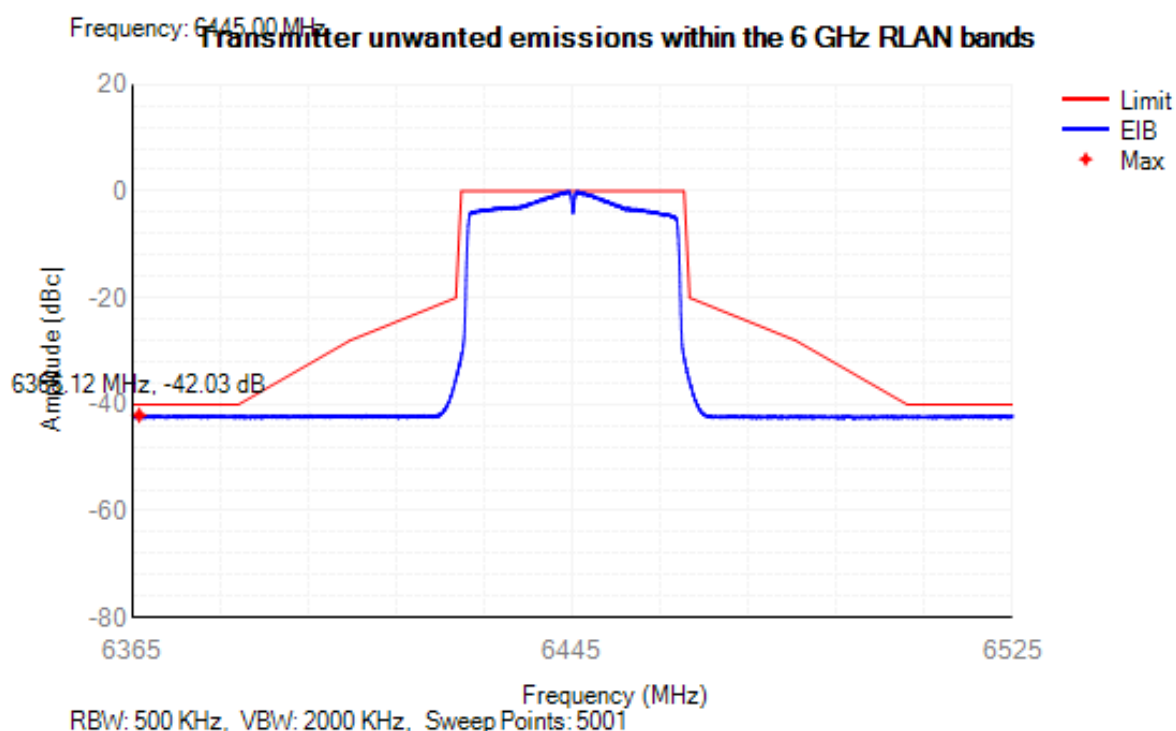
Power spectral mask NVNT ax40 6485MHz



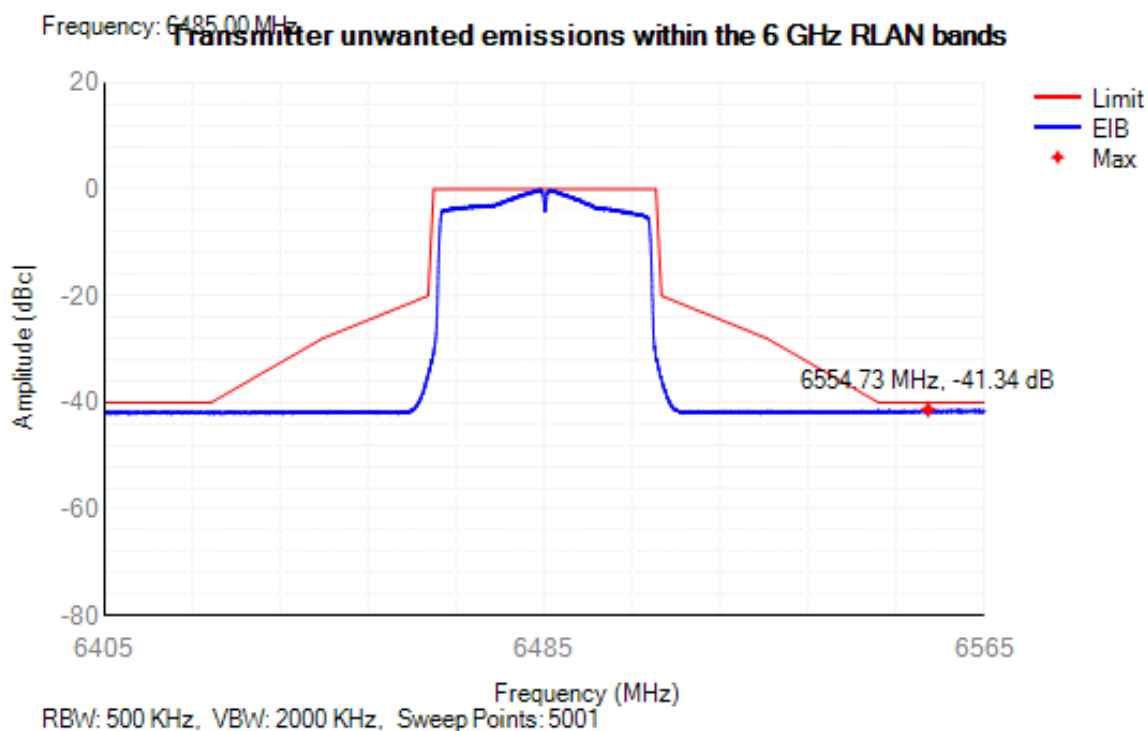
Power spectral mask NVNT ax40 6525MHz



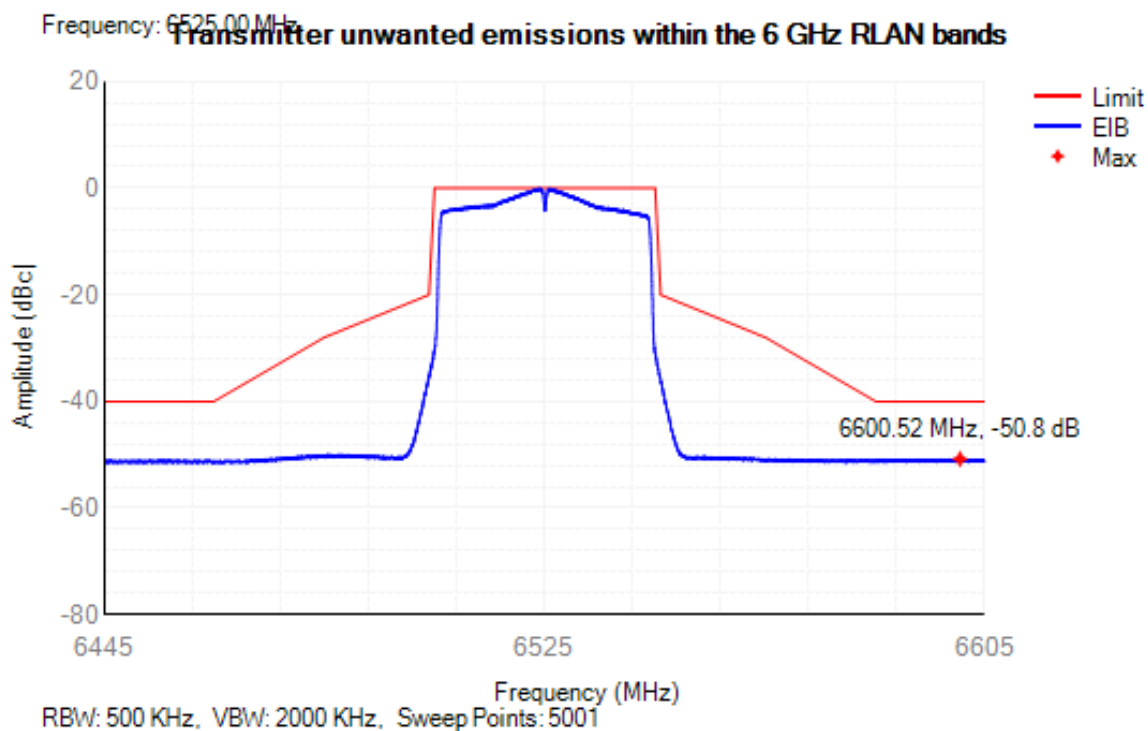
Power spectral mask NVNT ax40 6445MHz



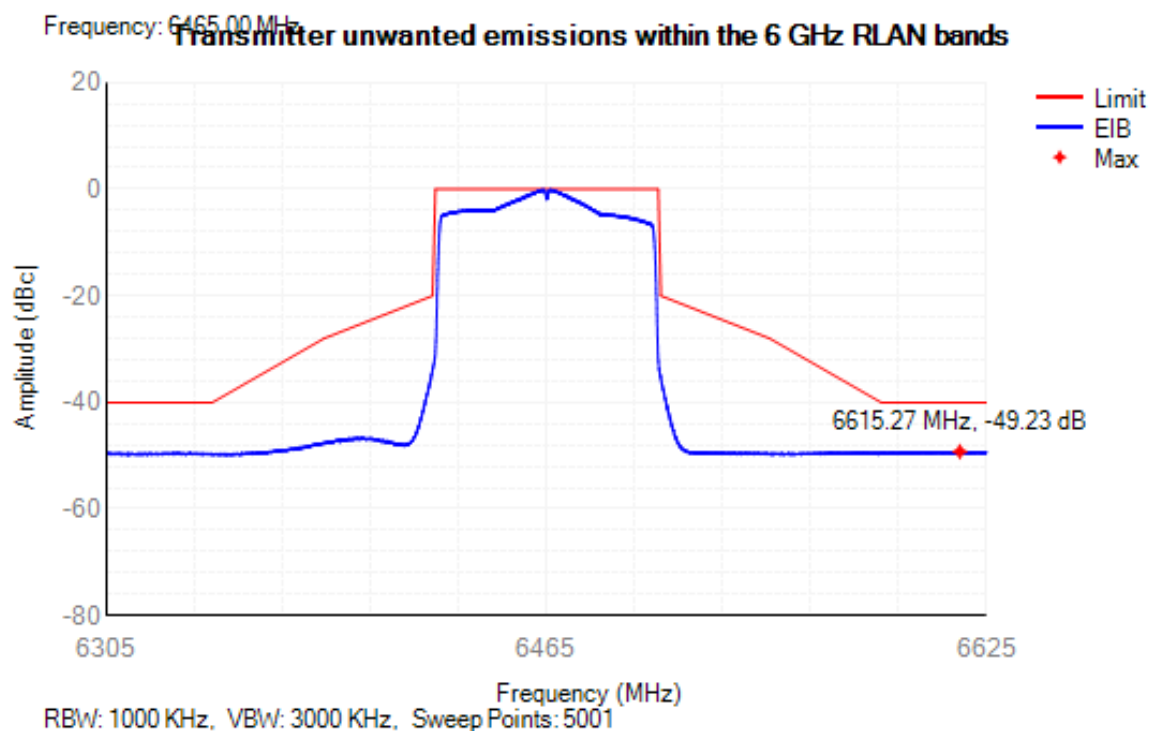
Power spectral mask NVNT ax40 6485MHz



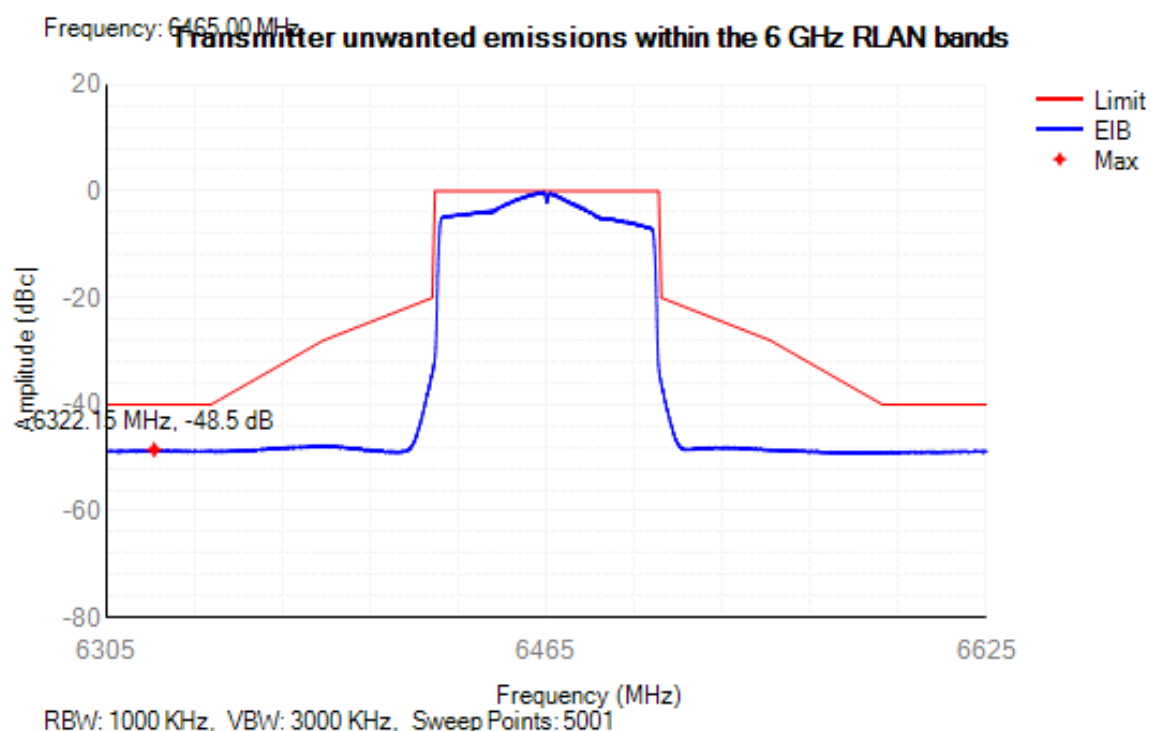
Power spectral mask NVNT ax40 6525MHz



Power spectral mask NVNT ax80 6465MHz

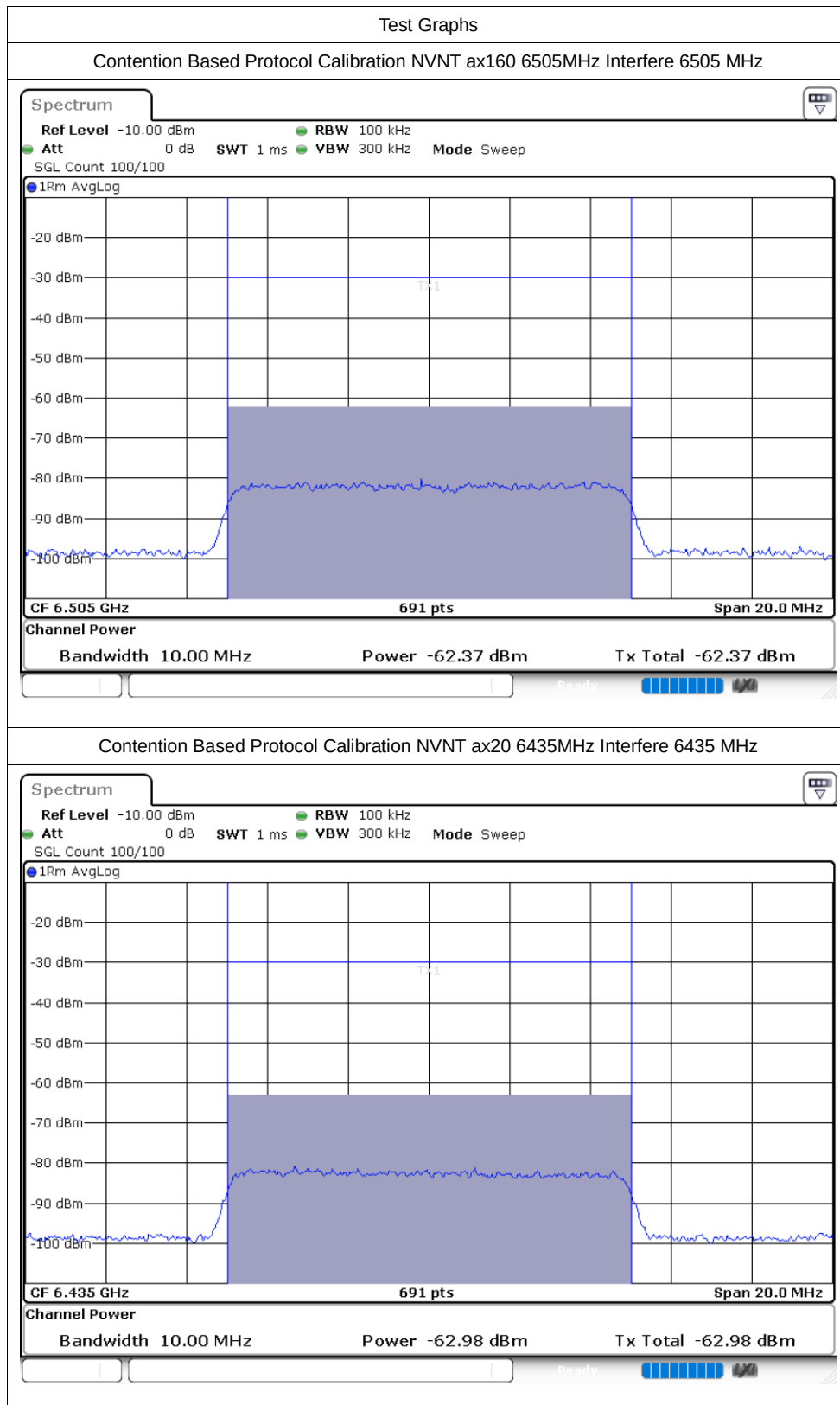


Power spectral mask NVNT ax80 6465MHz



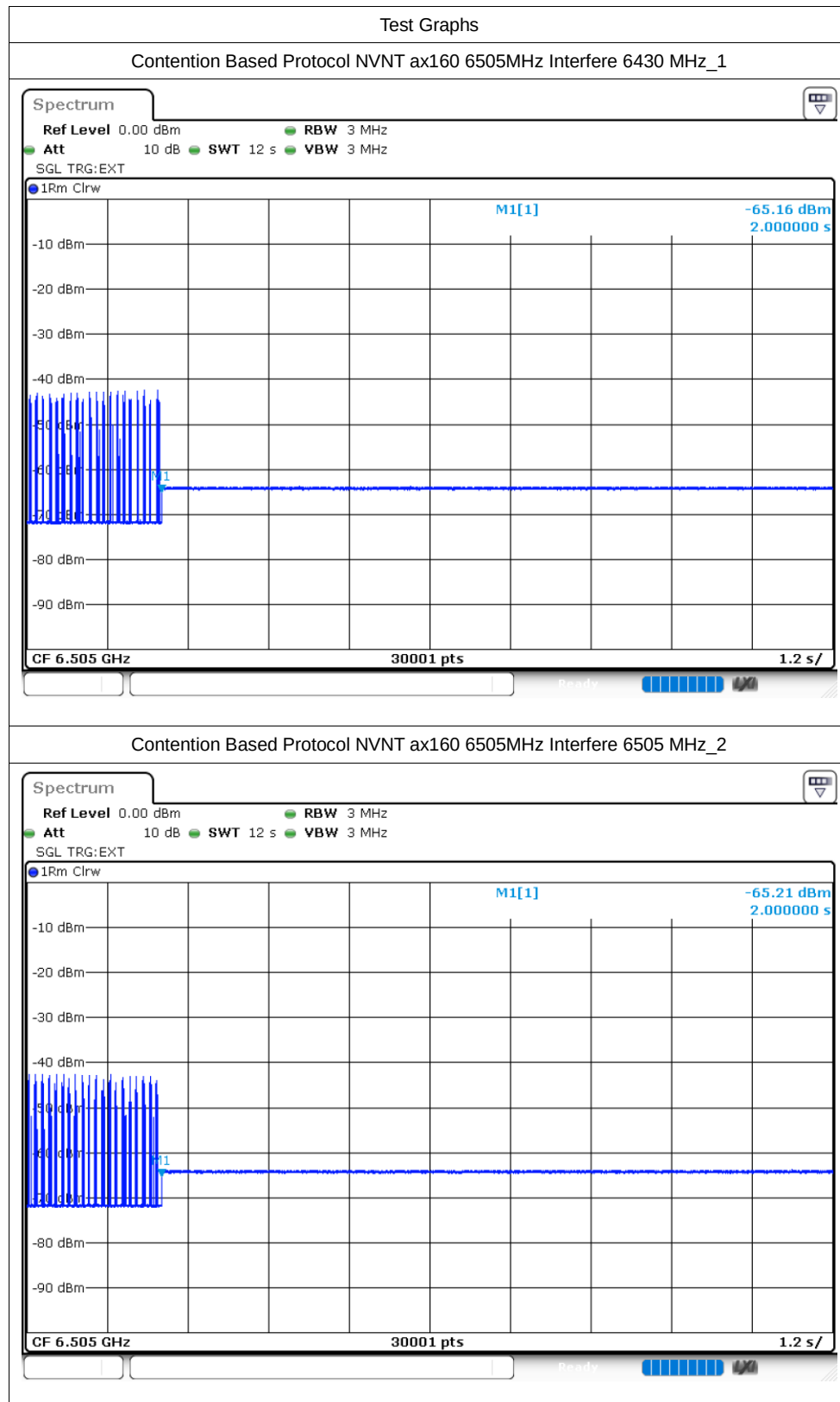
Contention Based Protocol Calibration

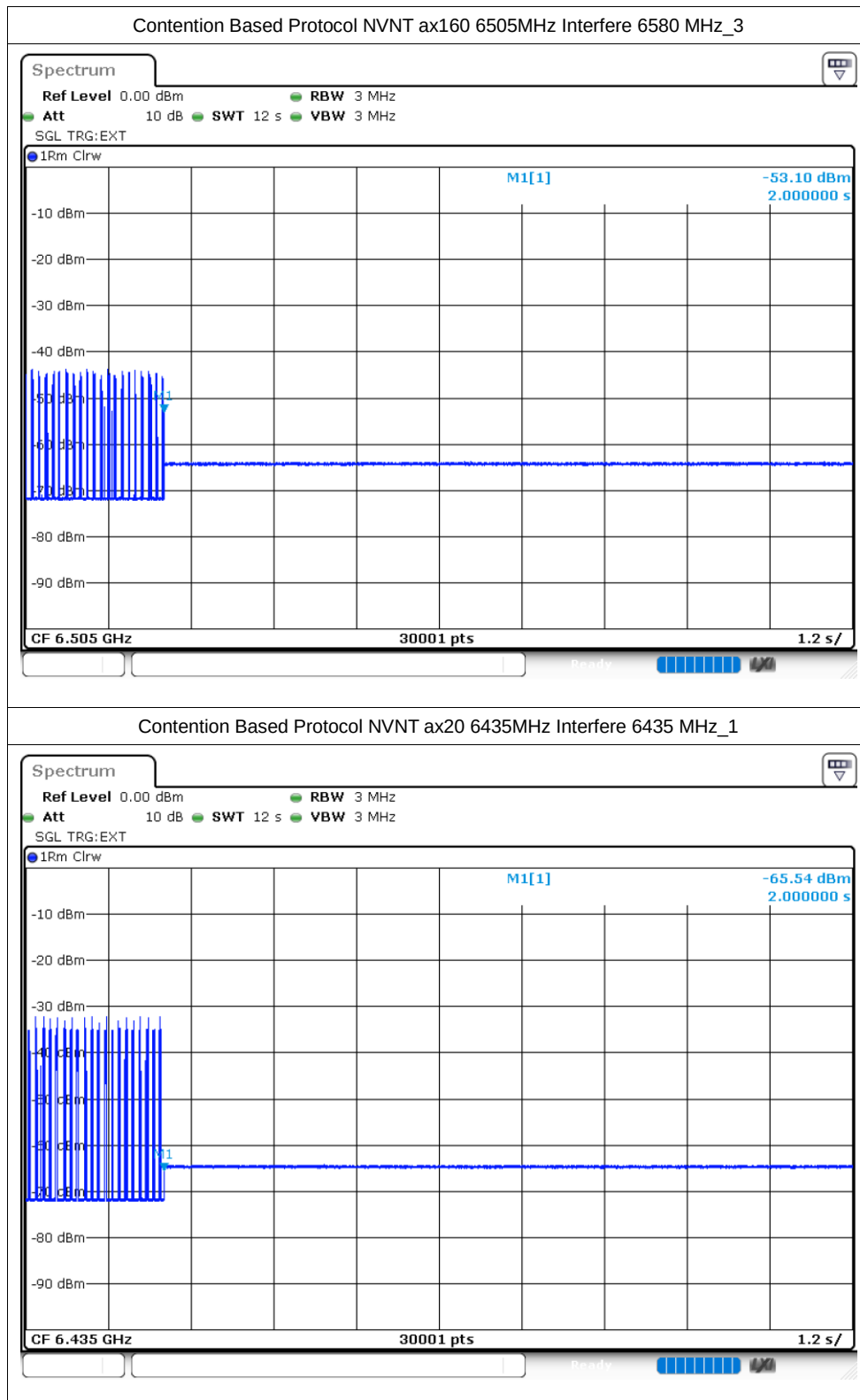
Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Injected Power (dBm)	Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Limit (dBm)
NVNT	ax160	6505	Ant1	Low	6505	-62.37	4.5	1.6	-65.27	-62
NVNT	ax20	6435	Ant1	Center	6435	-62.98	4.5	1.59	-65.89	-62



Contention Based Protocol

Condition	Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Time	Detection Probability (%)	Verdict
NVNT	ax160	6505	Ant1	Low	6430	10	100	Pass
NVNT	ax160	6505	Ant1	Middle	6505	10	100	Pass
NVNT	ax160	6505	Ant1	High	6580	10	100	Pass
NVNT	ax20	6435	Ant1	Center	6435	10	100	Pass

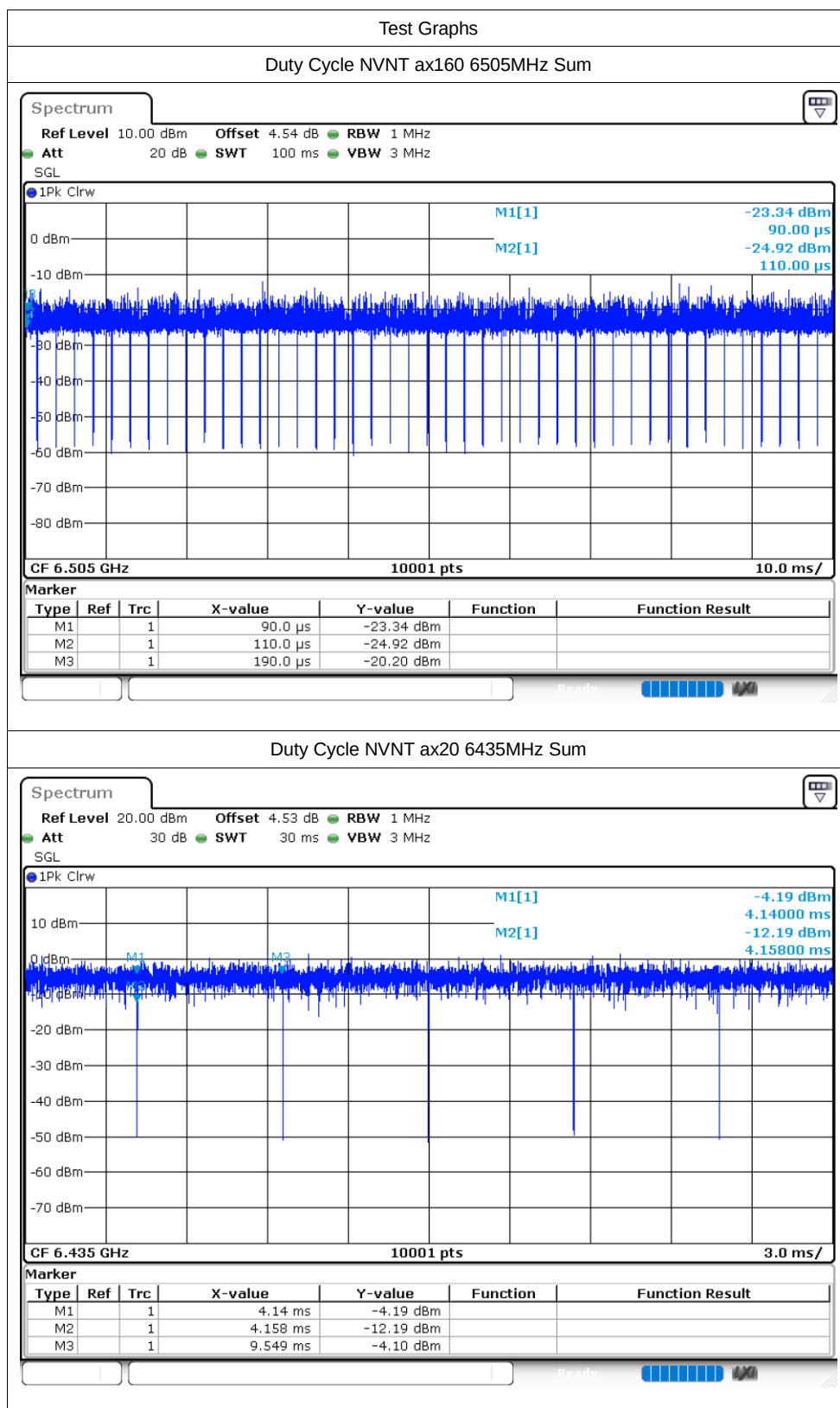


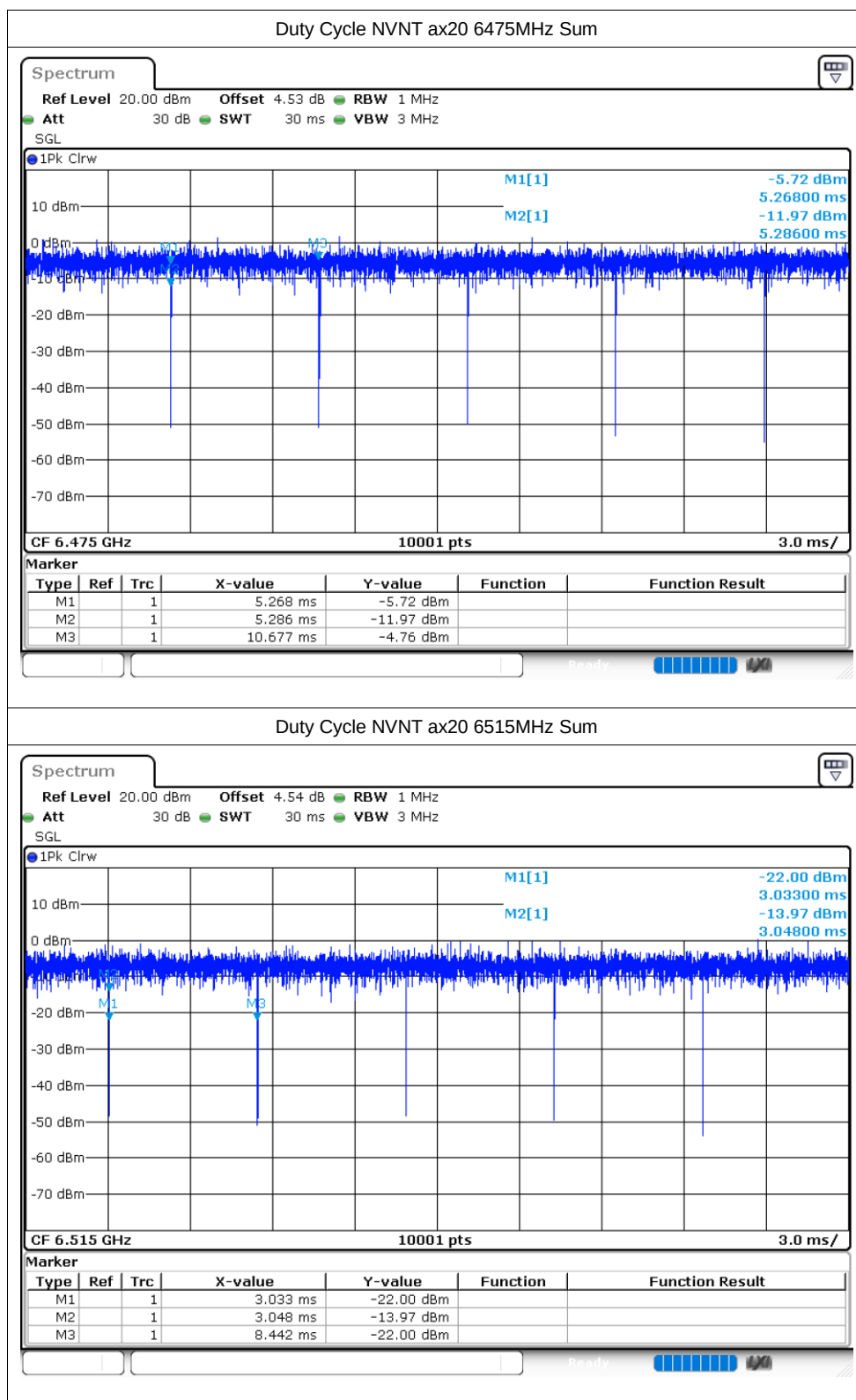


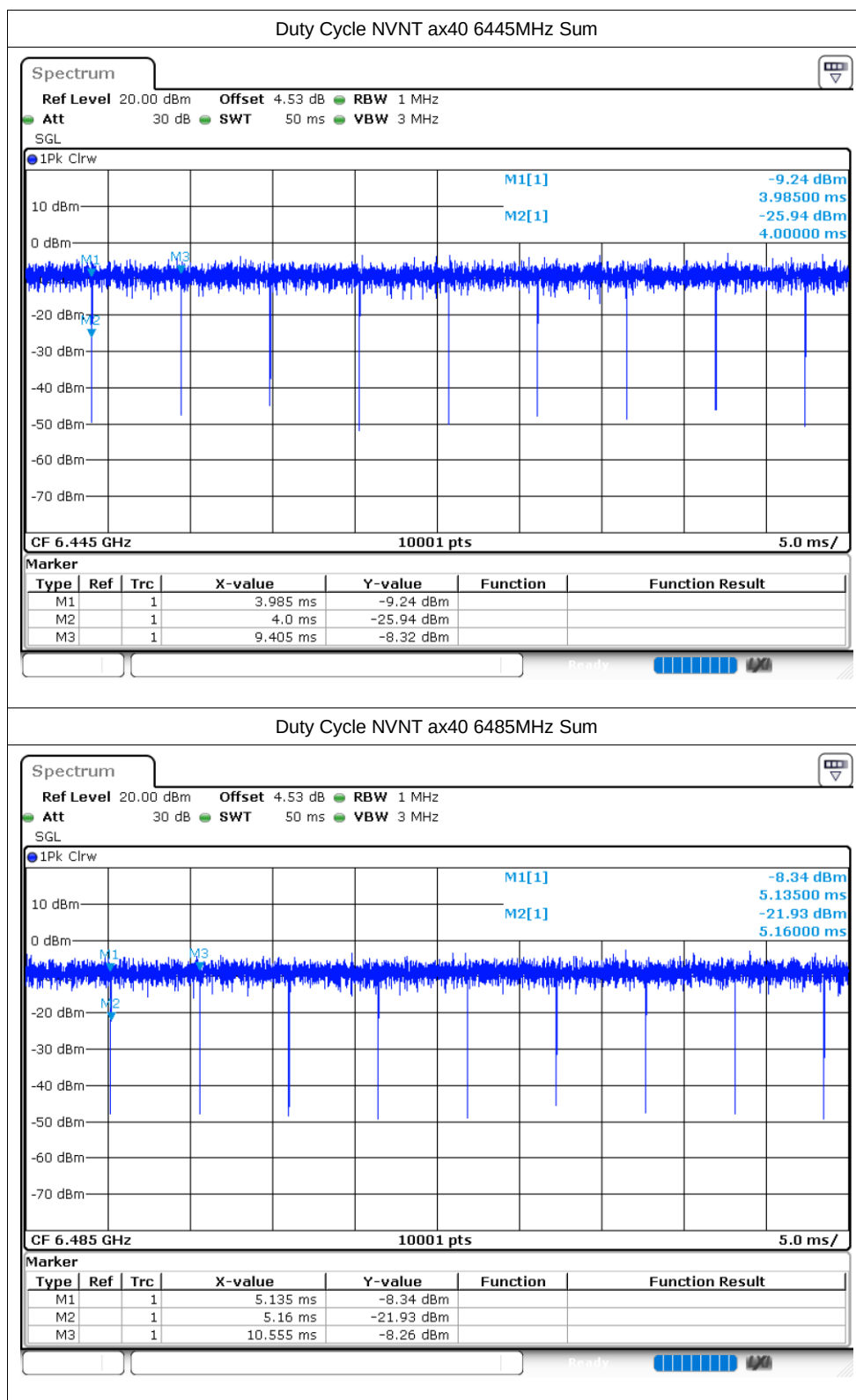
6.5 WIFI MIMO

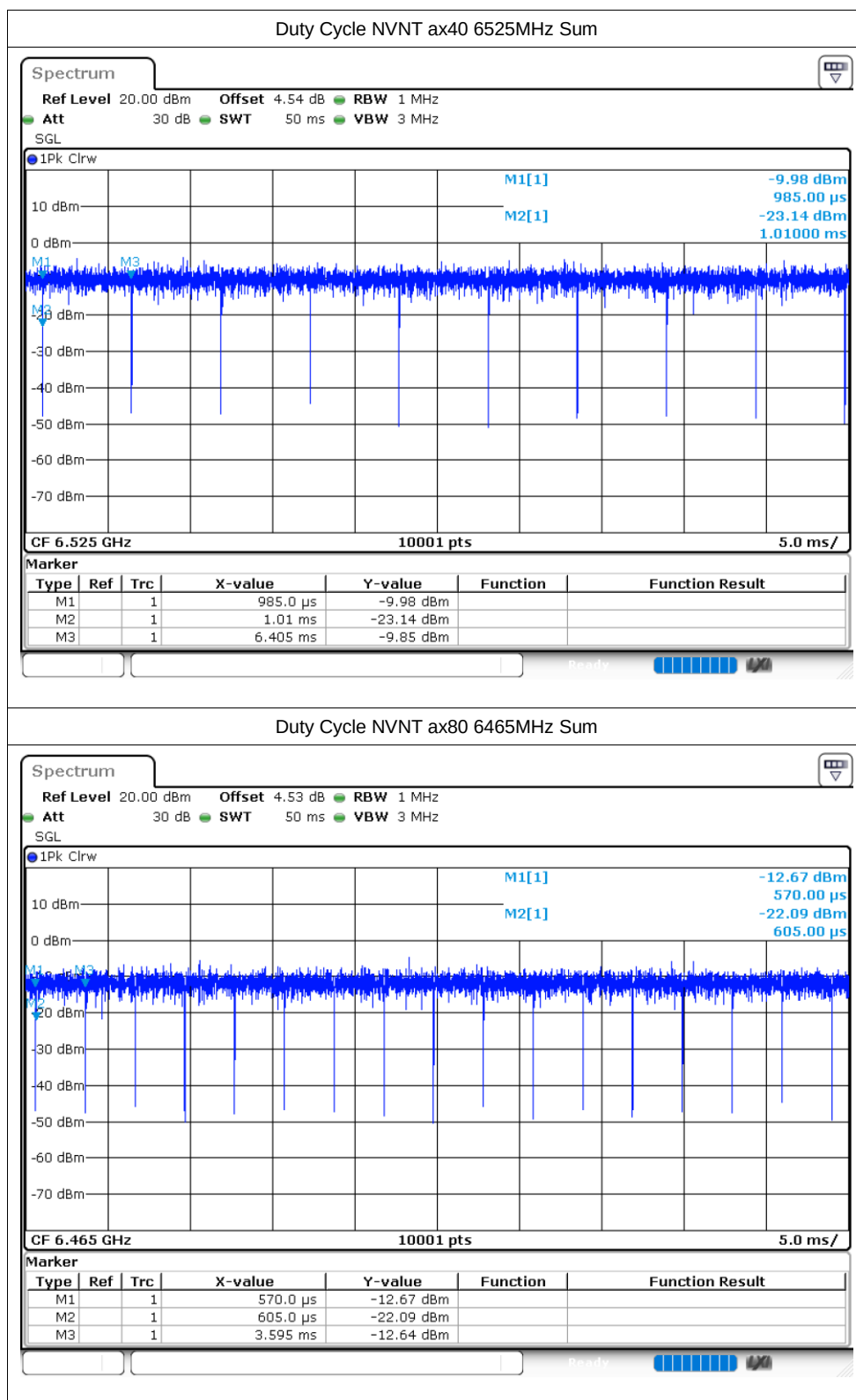
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ax160	6505	Sum	98.83	0	0.86
NVNT	ax20	6435	Sum	99.67	0	0.19
NVNT	ax20	6475	Sum	99.67	0	0.19
NVNT	ax20	6515	Sum	99.72	0	0.19
NVNT	ax40	6445	Sum	99.72	0	0.19
NVNT	ax40	6485	Sum	99.54	0	0.19
NVNT	ax40	6525	Sum	99.54	0	0.19
NVNT	ax80	6465	Sum	98.84	0	0.33









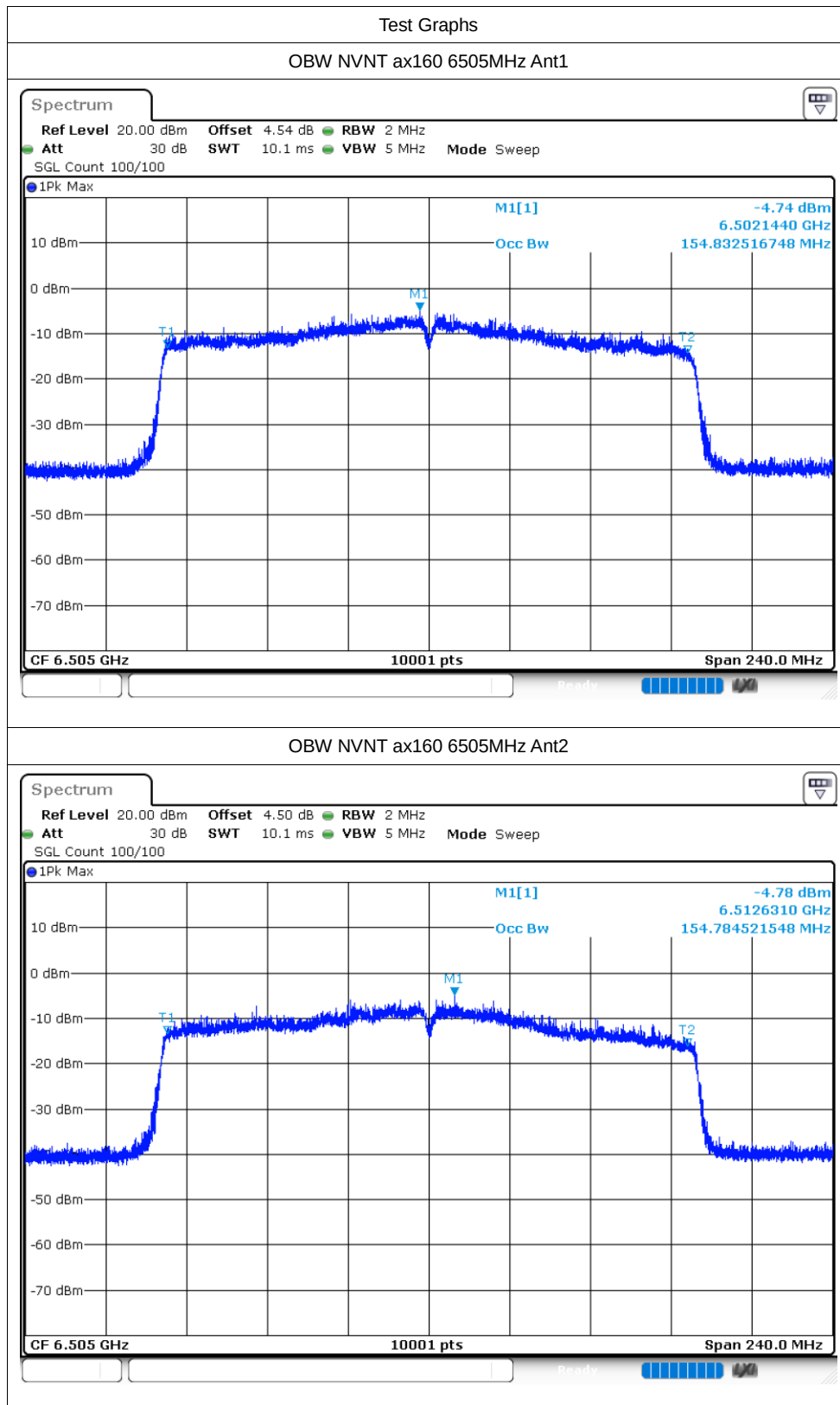
Maximum Conducted Output Power

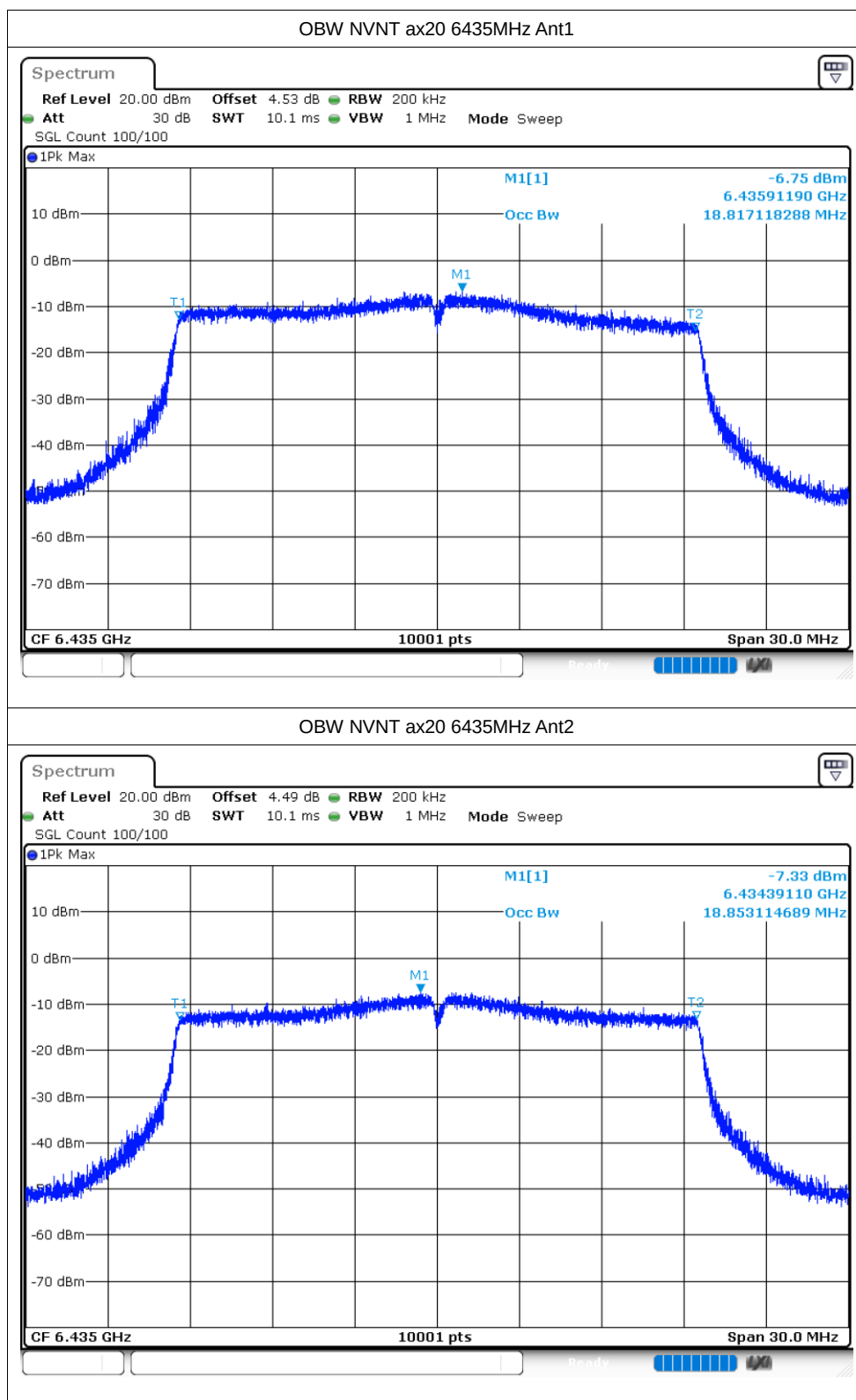
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Gain (dBi)	eirp Power	Limit (dBm)	Verdict
NVNT	ax160	6505	Ant1	6.12	4.5	10.62	24	Pass
NVNT	ax160	6505	Ant2	6.02	4.5	10.52	24	Pass
NVNT	ax160	6505	Sum			16.59	24	Pass
NVNT	ax20	6435	Ant1	1.41	4.5	5.91	24	Pass
NVNT	ax20	6435	Ant2	1.19	4.5	5.69	24	Pass
NVNT	ax20	6435	Sum			11.82	24	Pass
NVNT	ax20	6475	Ant1	1.33	4.5	5.83	24	Pass
NVNT	ax20	6475	Ant2	1.14	4.5	5.64	24	Pass
NVNT	ax20	6475	Sum			11.76	24	Pass
NVNT	ax20	6515	Ant1	0.83	4.5	5.33	24	Pass
NVNT	ax20	6515	Ant2	2.25	4.5	6.75	24	Pass
NVNT	ax20	6515	Sum			12.12	24	Pass
NVNT	ax40	6445	Ant1	2.86	4.5	7.36	24	Pass
NVNT	ax40	6445	Ant2	3.15	4.5	7.65	24	Pass
NVNT	ax40	6445	Sum			13.53	24	Pass
NVNT	ax40	6485	Ant1	2.83	4.5	7.33	24	Pass
NVNT	ax40	6485	Ant2	3.09	4.5	7.59	24	Pass
NVNT	ax40	6485	Sum			13.48	24	Pass
NVNT	ax40	6525	Ant1	2.21	4.5	6.71	24	Pass
NVNT	ax40	6525	Ant2	2.84	4.5	7.34	24	Pass
NVNT	ax40	6525	Sum			13.06	24	Pass
NVNT	ax80	6465	Ant1	6.12	4.5	10.62	24	Pass
NVNT	ax80	6465	Ant2	6.87	4.5	11.37	24	Pass
NVNT	ax80	6465	Sum			17.03	24	Pass

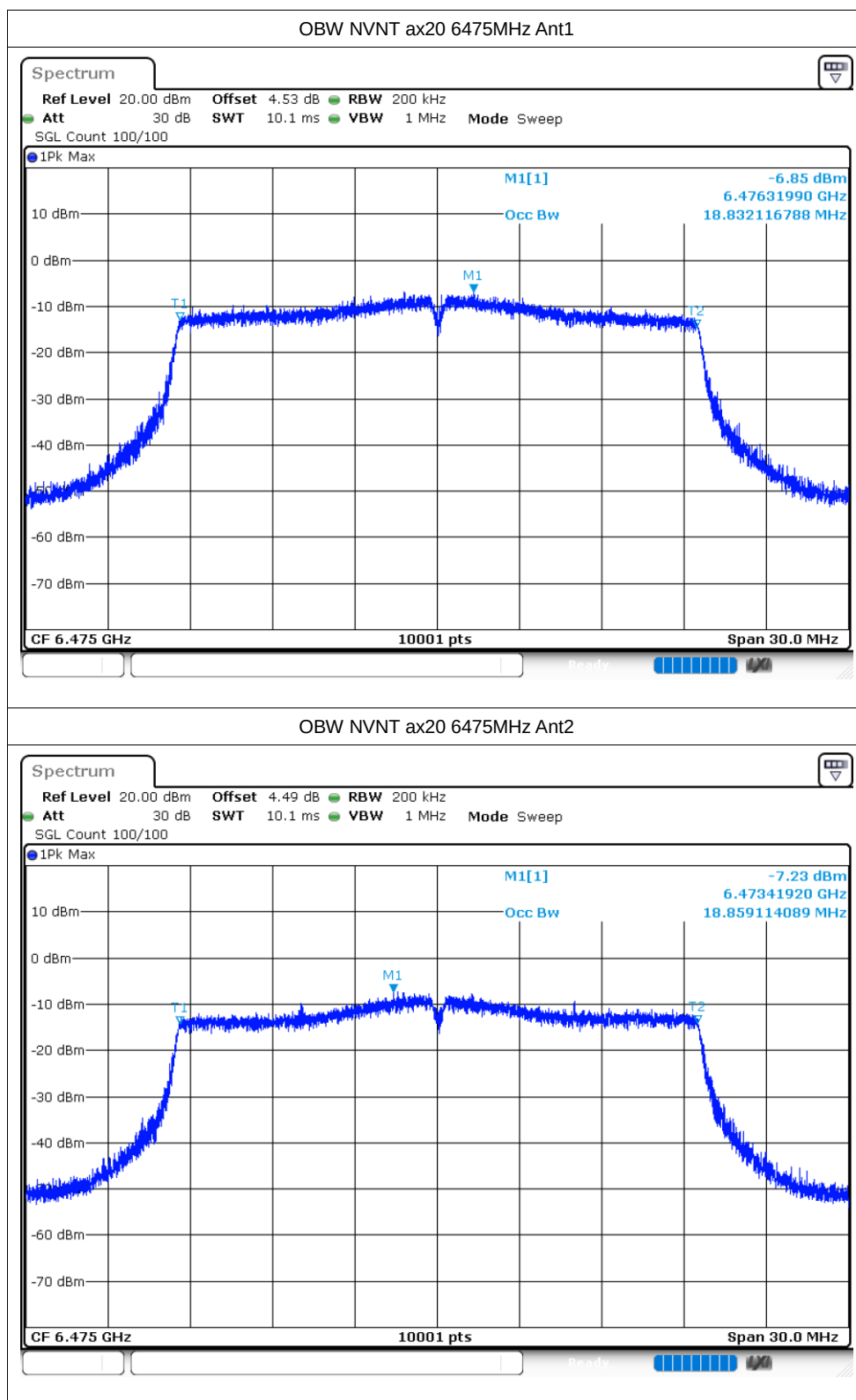
Note: The Duty Cycle factor has already been included.

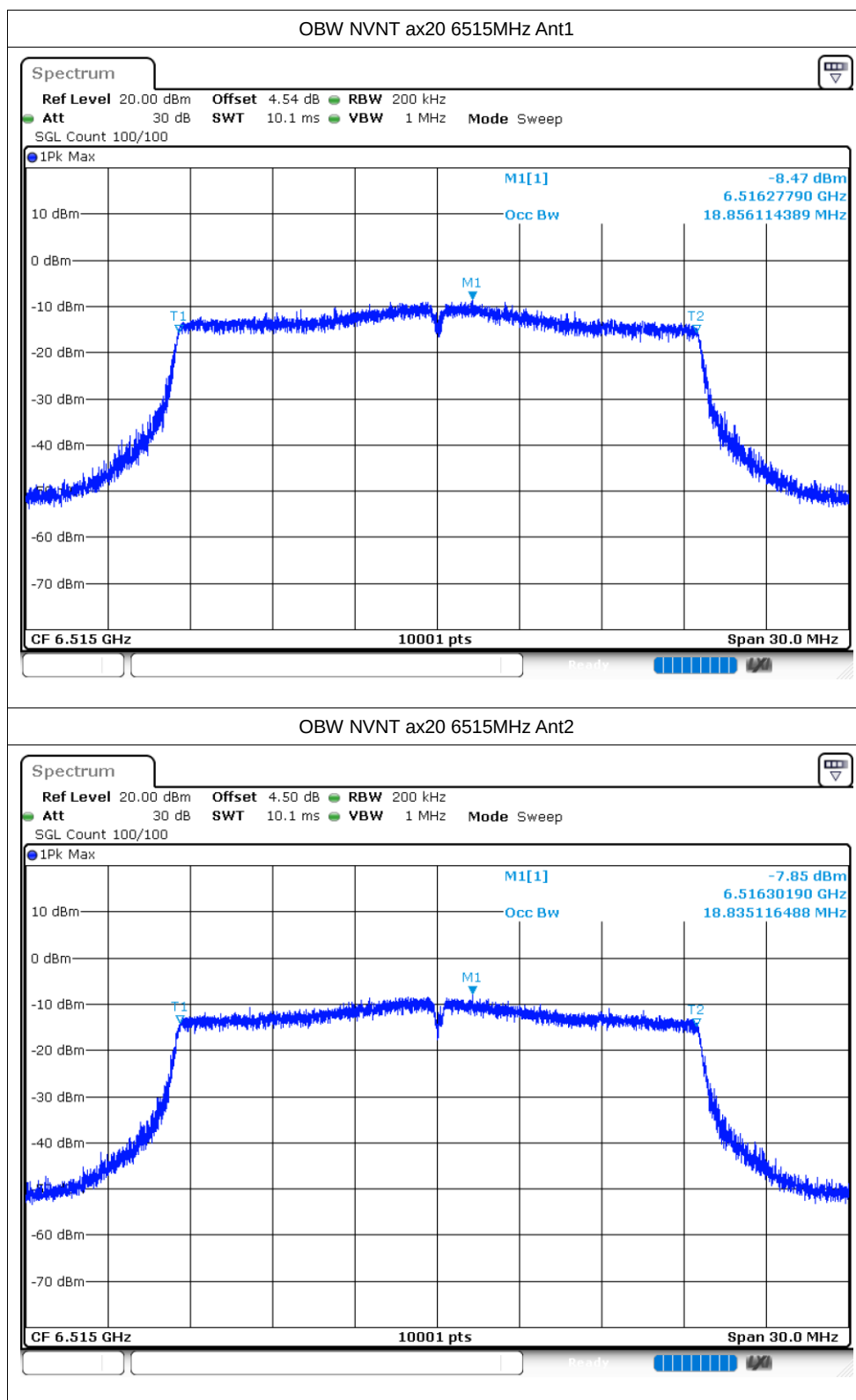
Occupied Channel Bandwidth

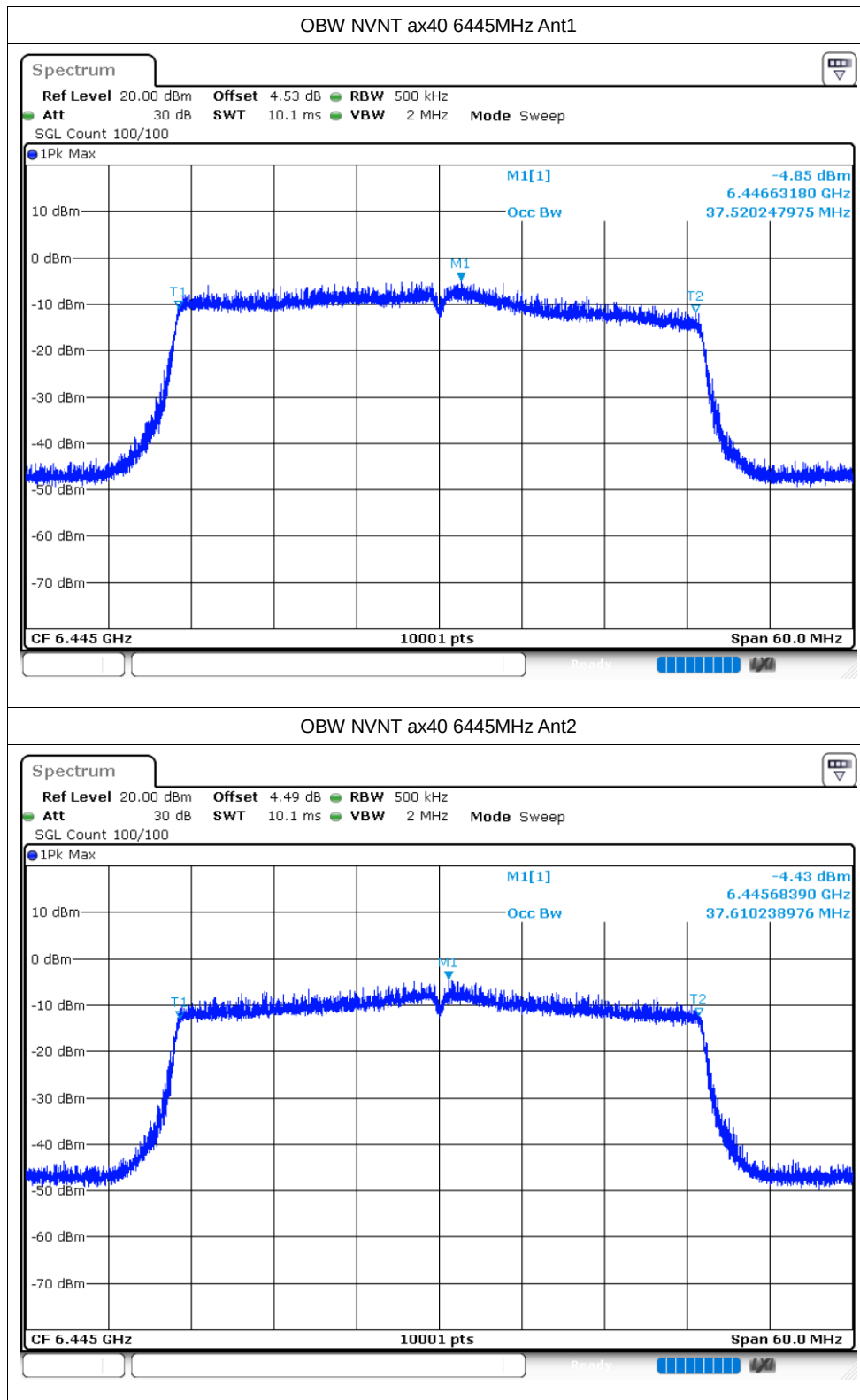
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ax160	6505	Ant1	154.833
NVNT	ax160	6505	Ant2	154.785
NVNT	ax20	6435	Ant1	18.817
NVNT	ax20	6435	Ant2	18.853
NVNT	ax20	6475	Ant1	18.832
NVNT	ax20	6475	Ant2	18.859
NVNT	ax20	6515	Ant1	18.856
NVNT	ax20	6515	Ant2	18.835
NVNT	ax40	6445	Ant1	37.52
NVNT	ax40	6445	Ant2	37.61
NVNT	ax40	6485	Ant1	37.856
NVNT	ax40	6485	Ant2	37.61
NVNT	ax40	6525	Ant1	37.658
NVNT	ax40	6525	Ant2	37.49
NVNT	ax80	6465	Ant1	77.332
NVNT	ax80	6465	Ant2	76.768

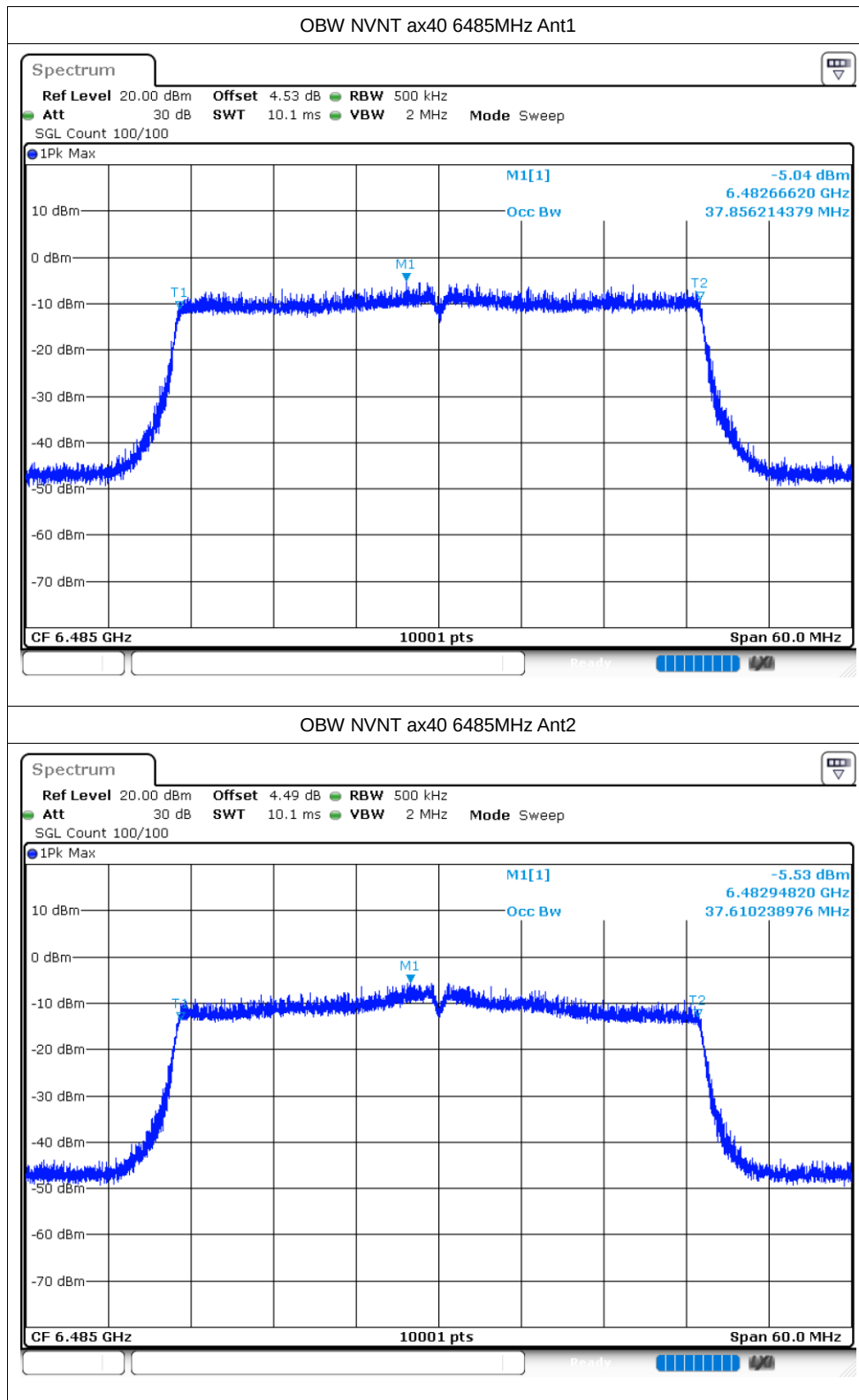


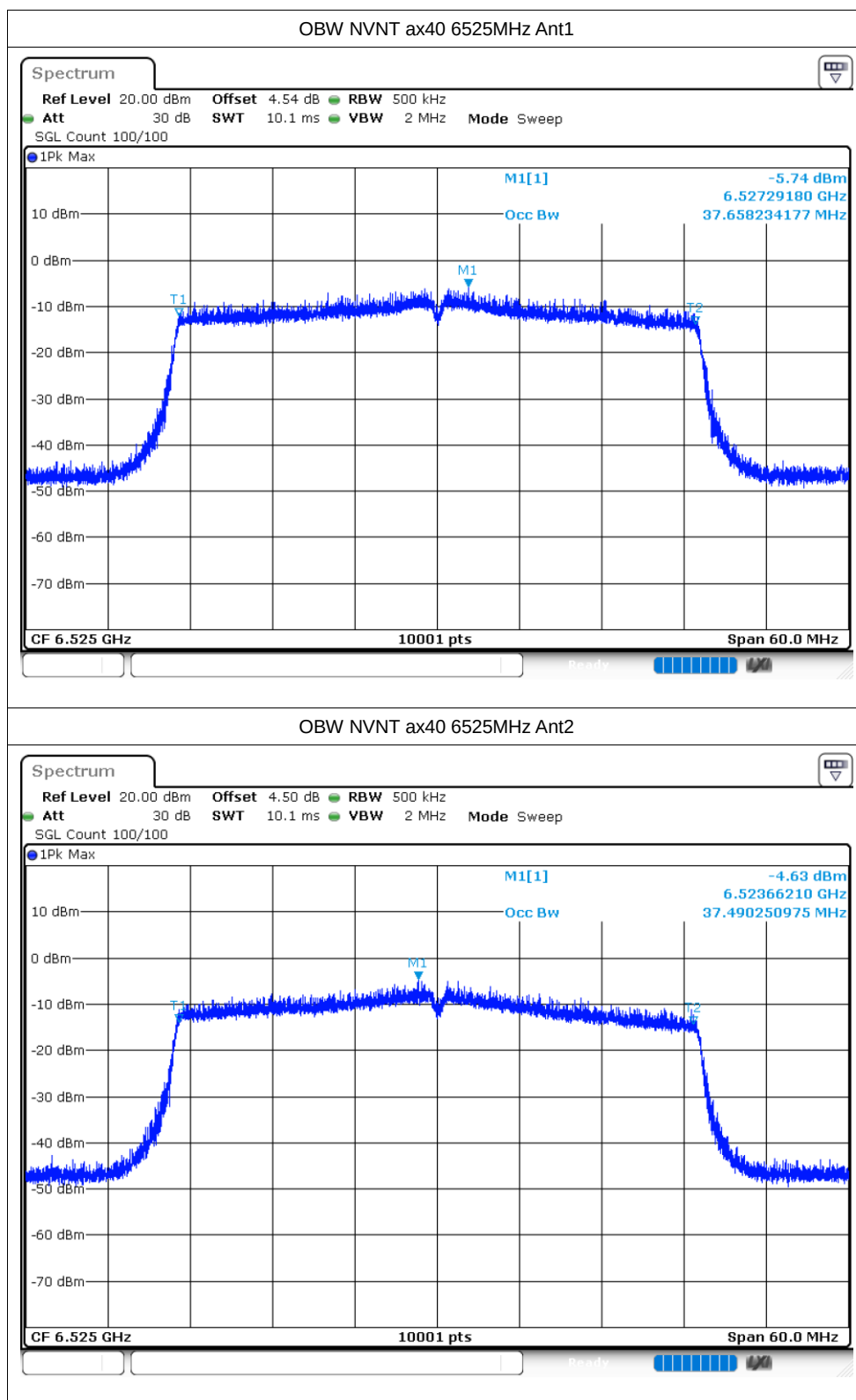


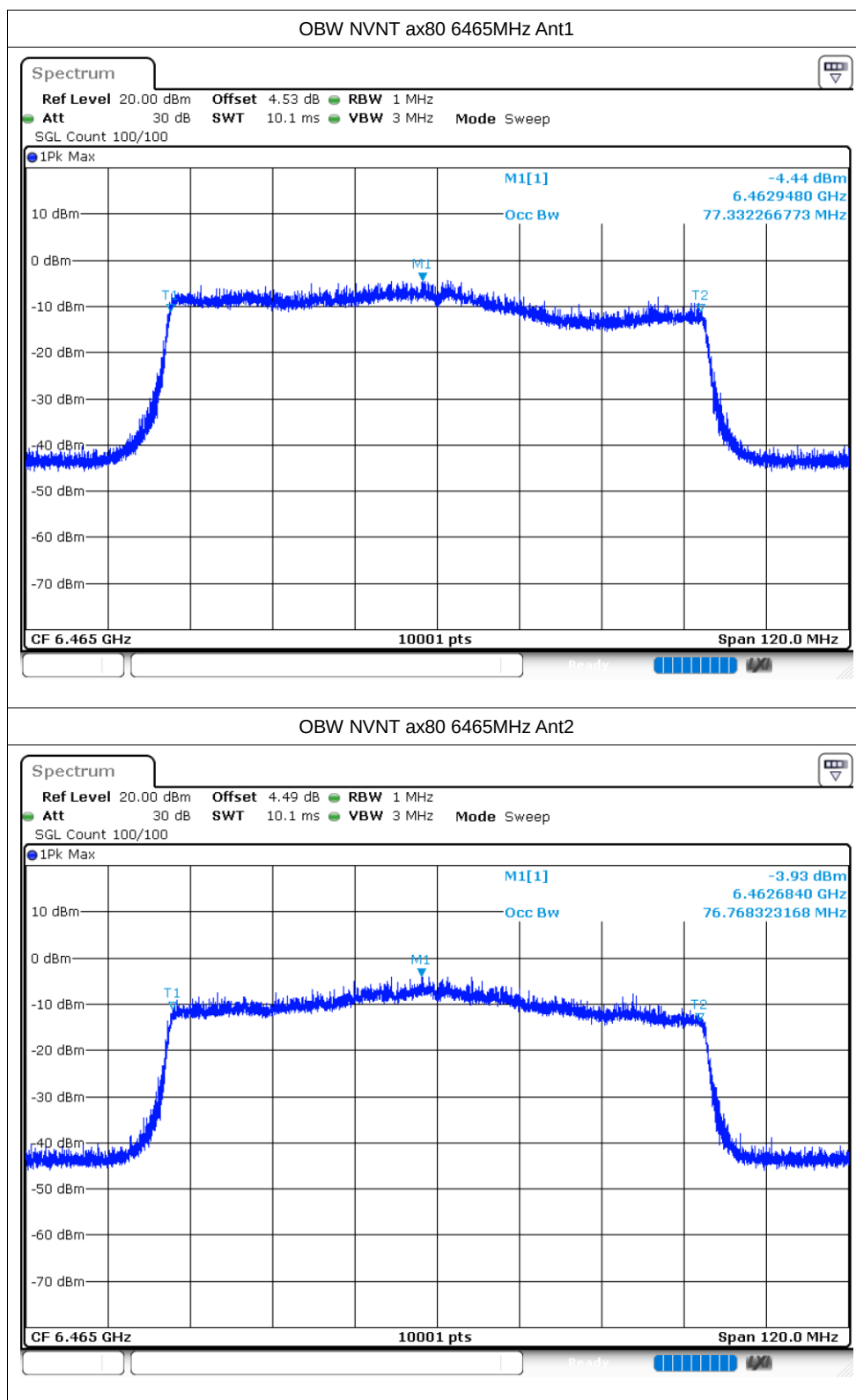










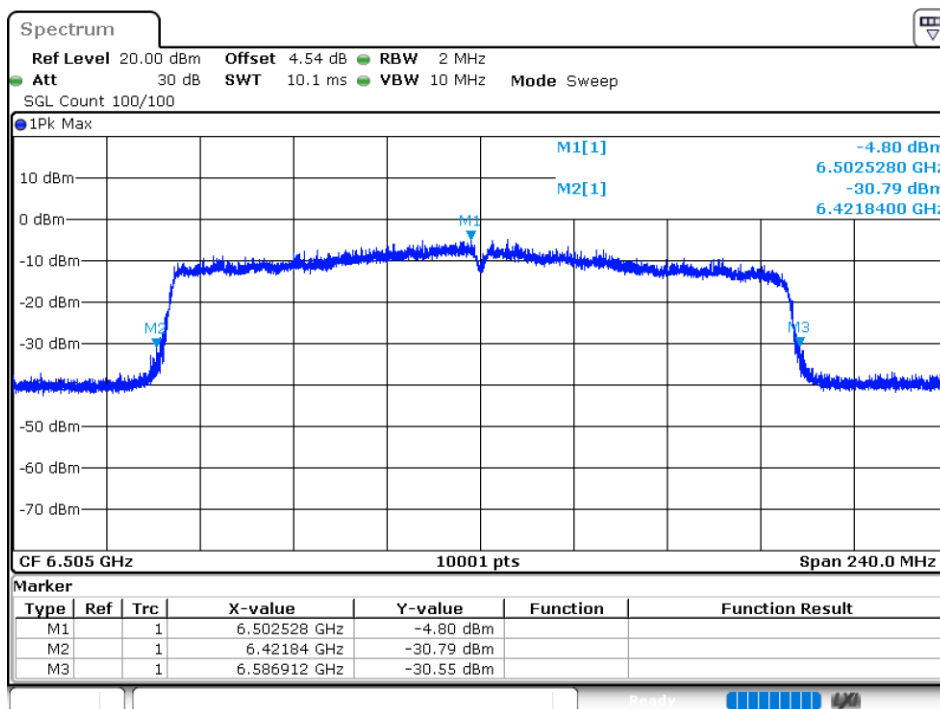


-26dB Bandwidth

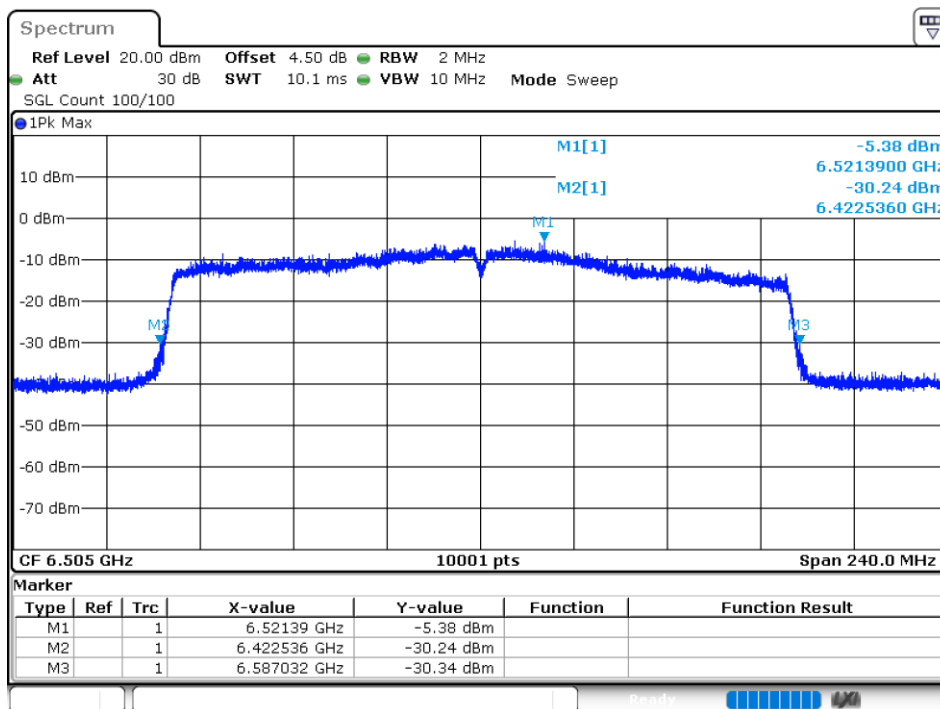
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	ax160	6505	Ant1	165.072
NVNT	ax160	6505	Ant2	164.496
NVNT	ax20	6435	Ant1	20.706
NVNT	ax20	6435	Ant2	20.553
NVNT	ax20	6475	Ant1	20.733
NVNT	ax20	6475	Ant2	20.961
NVNT	ax20	6515	Ant1	20.961
NVNT	ax20	6515	Ant2	20.562
NVNT	ax40	6445	Ant1	40.668
NVNT	ax40	6445	Ant2	40.134
NVNT	ax40	6485	Ant1	40.836
NVNT	ax40	6485	Ant2	40.356
NVNT	ax40	6525	Ant1	40.26
NVNT	ax40	6525	Ant2	40.182
NVNT	ax80	6465	Ant1	82.032
NVNT	ax80	6465	Ant2	81.084

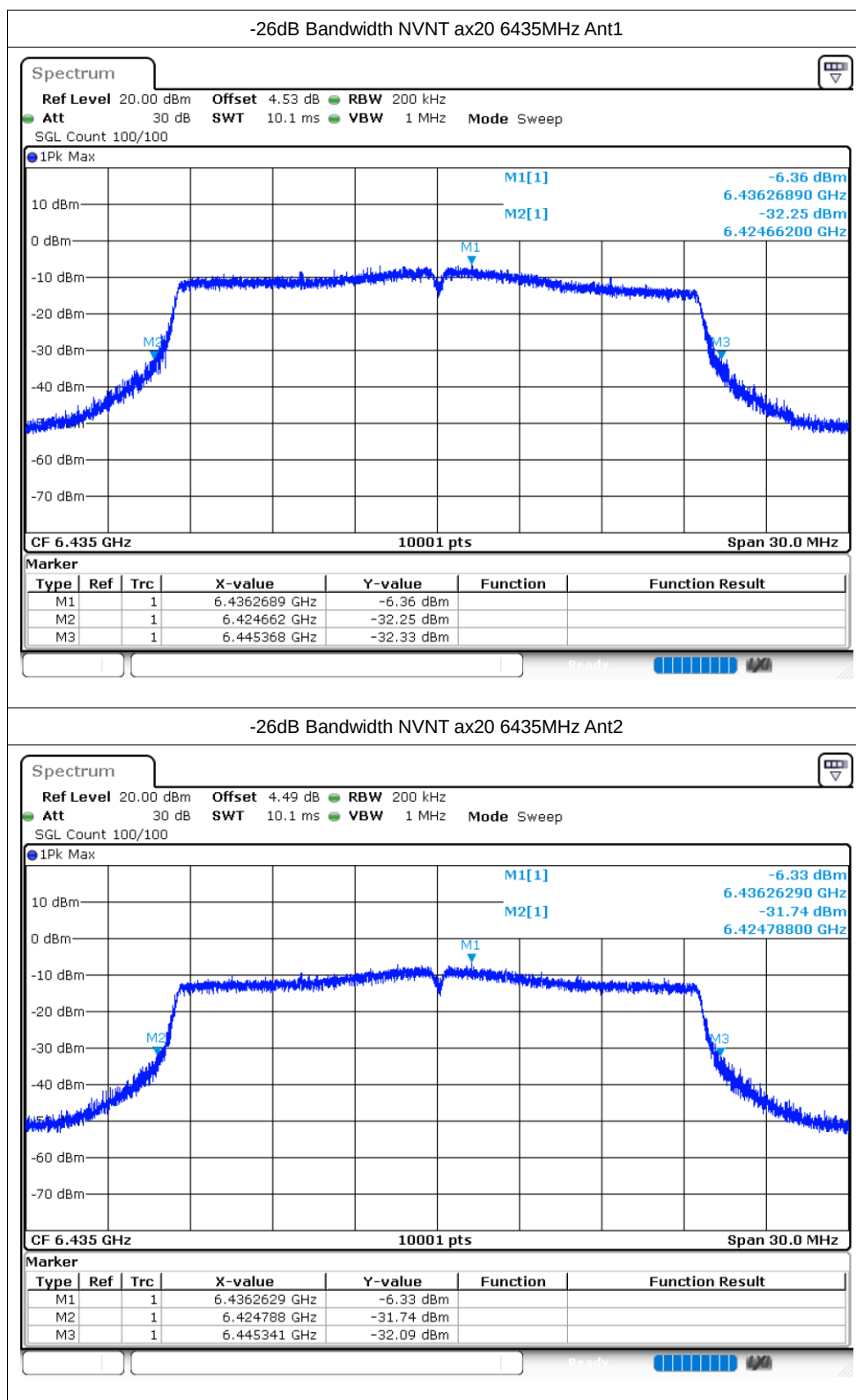
Test Graphs

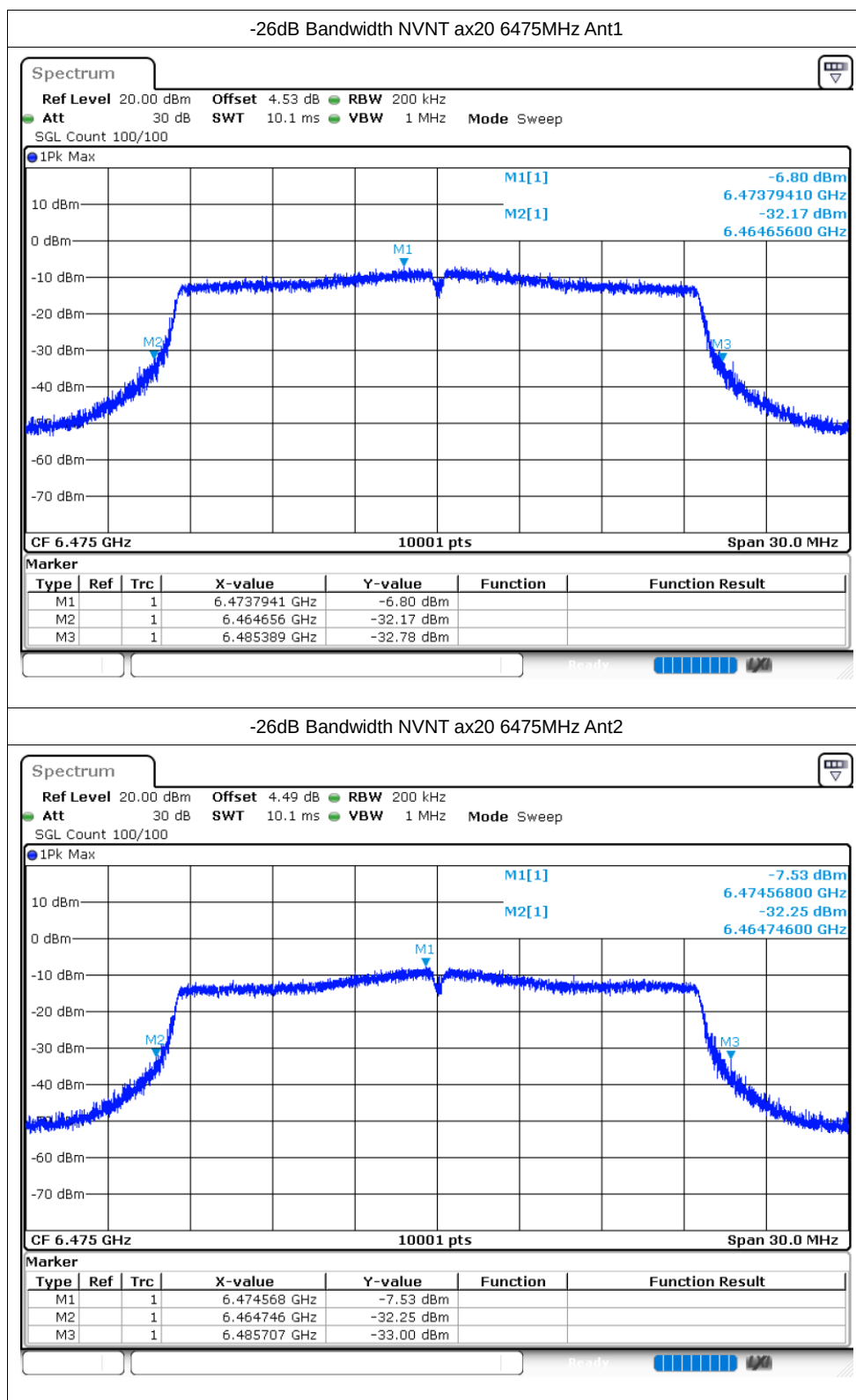
-26dB Bandwidth NVNT ax160 6505MHz Ant1

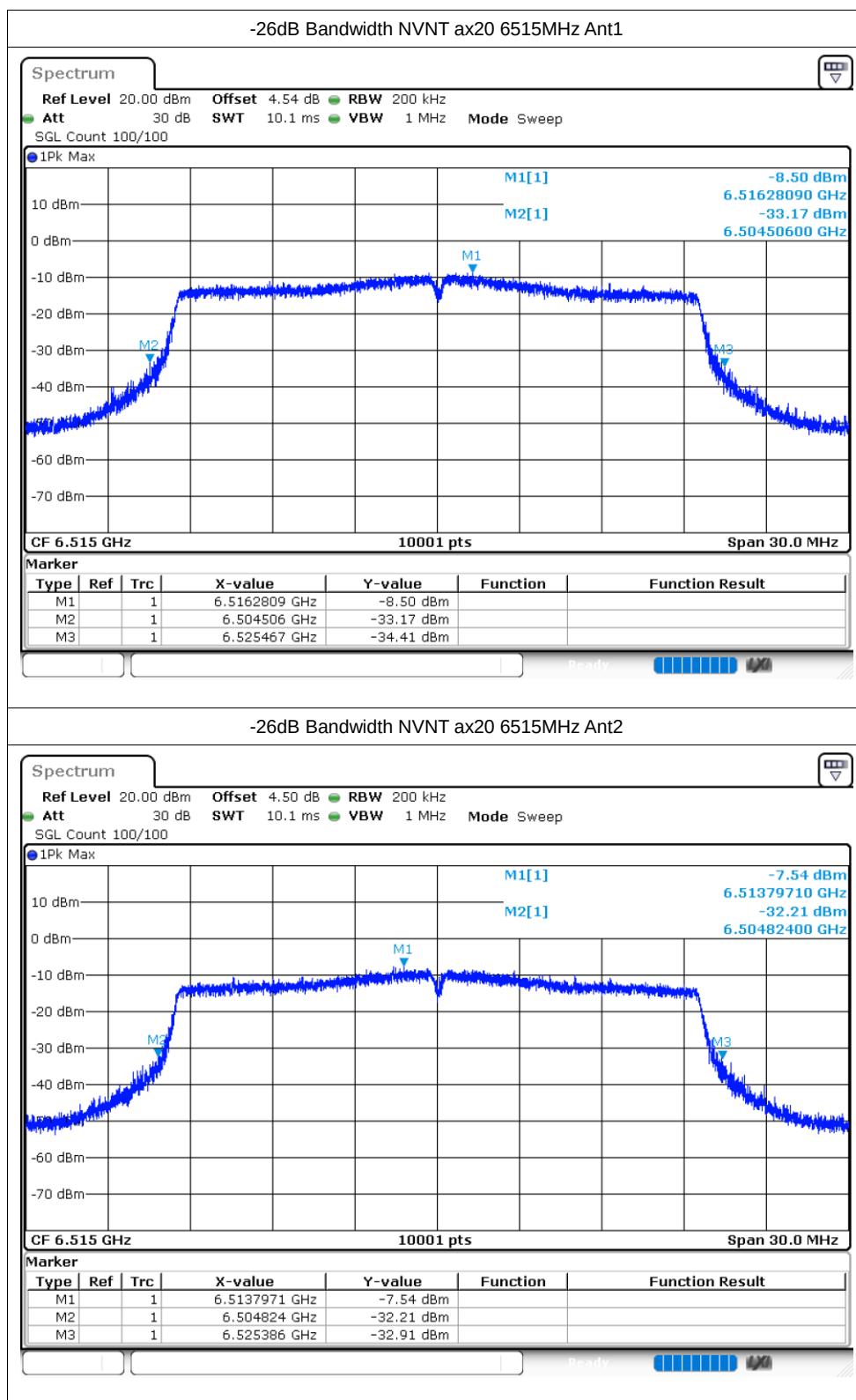


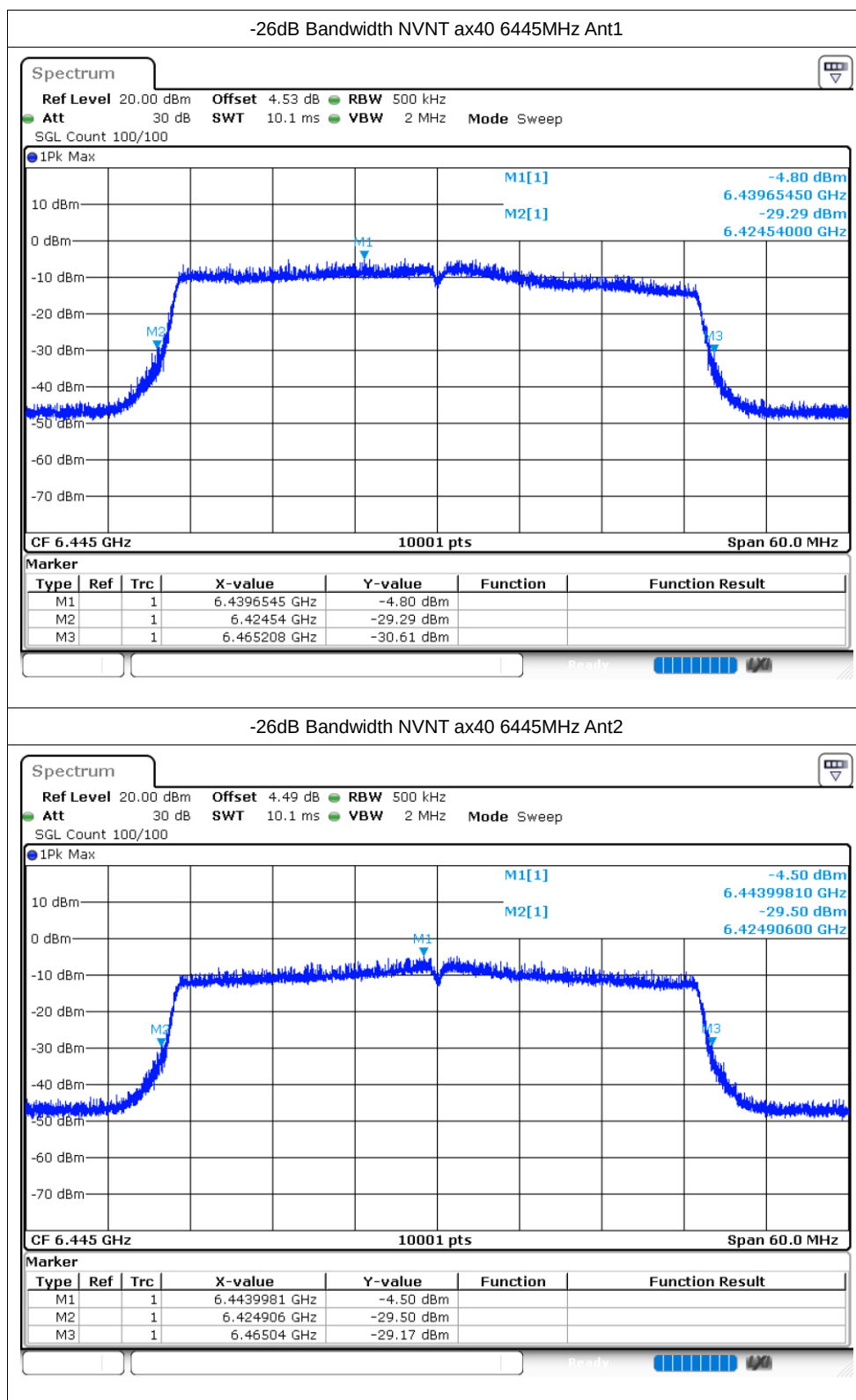
-26dB Bandwidth NVNT ax160 6505MHz Ant2

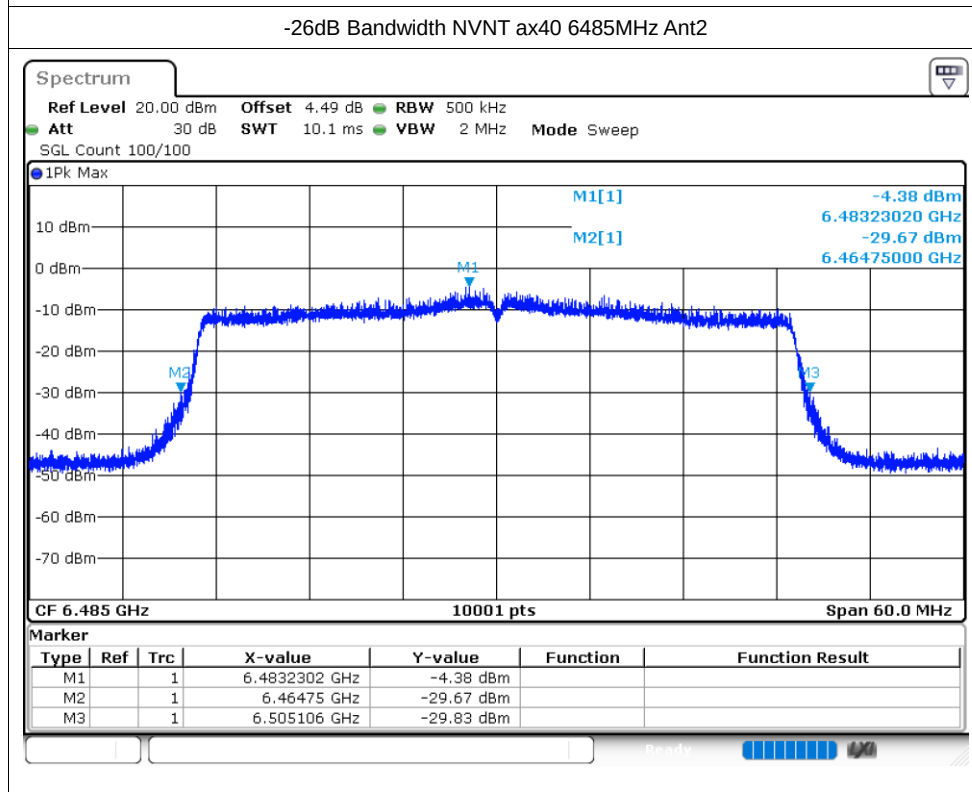
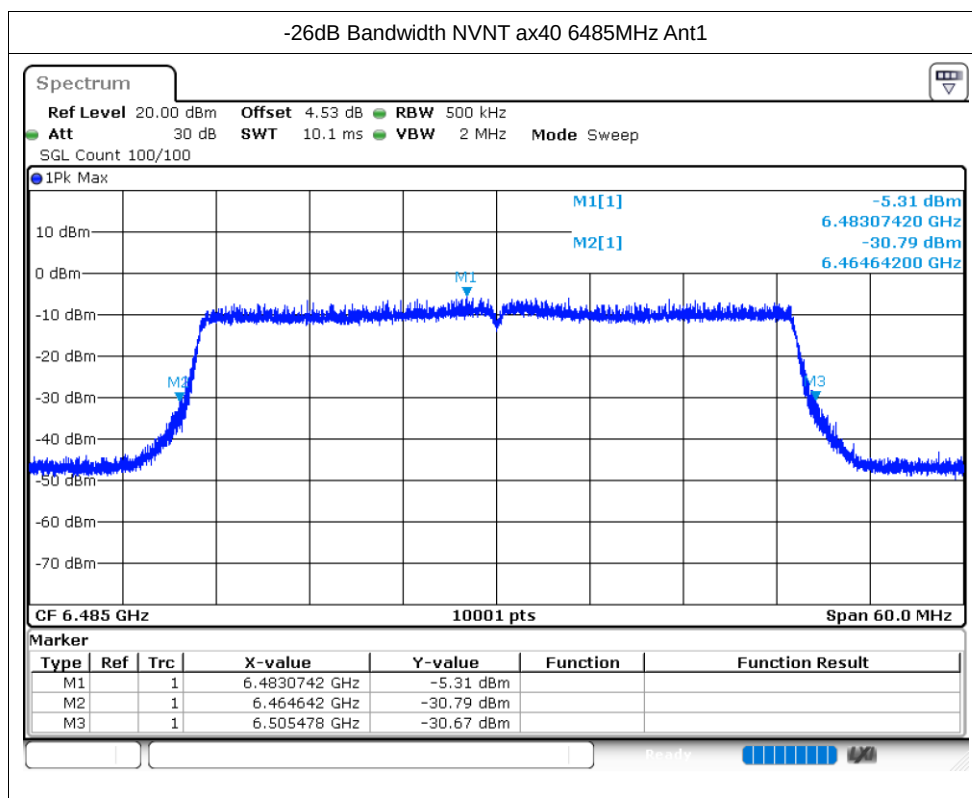


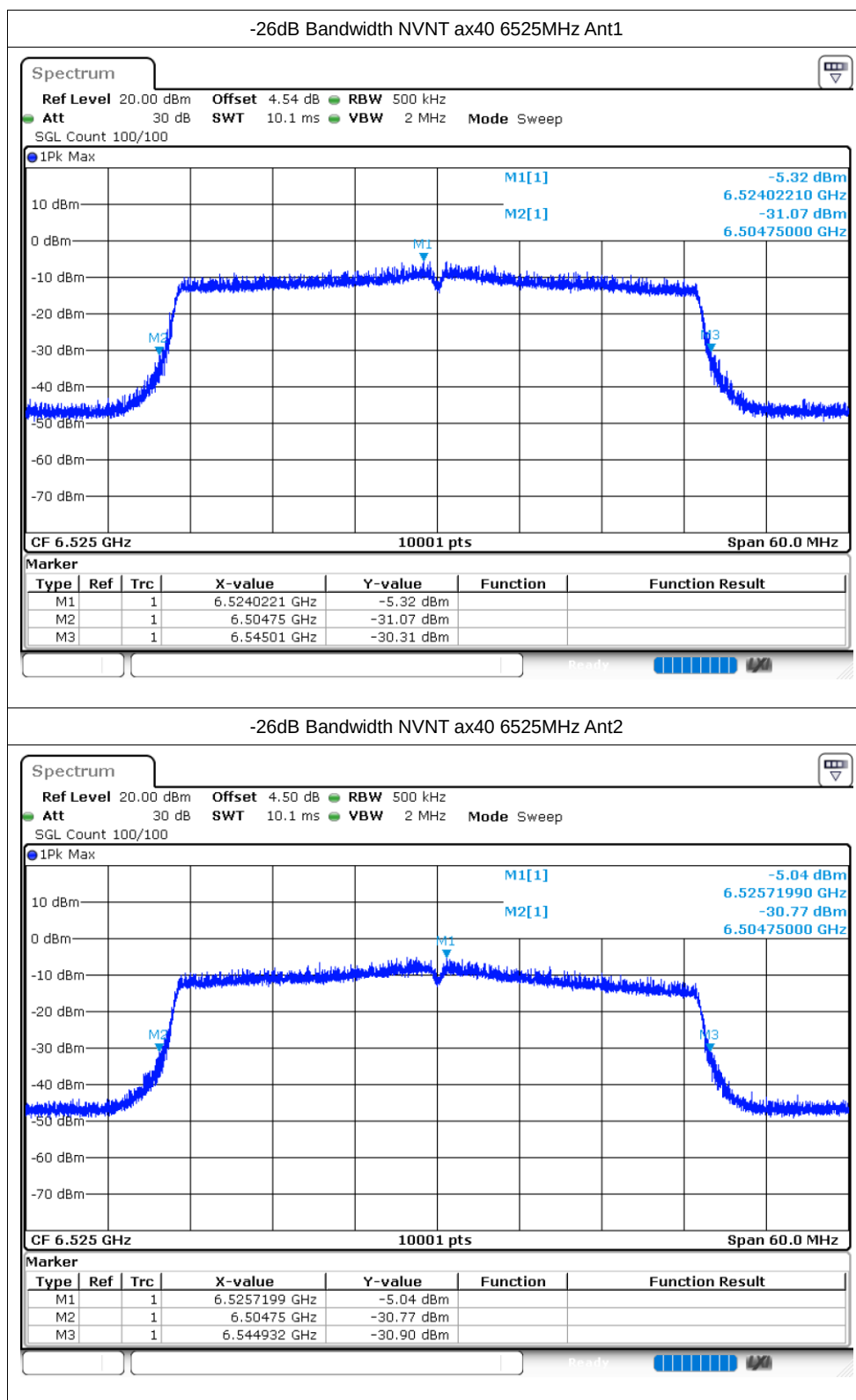


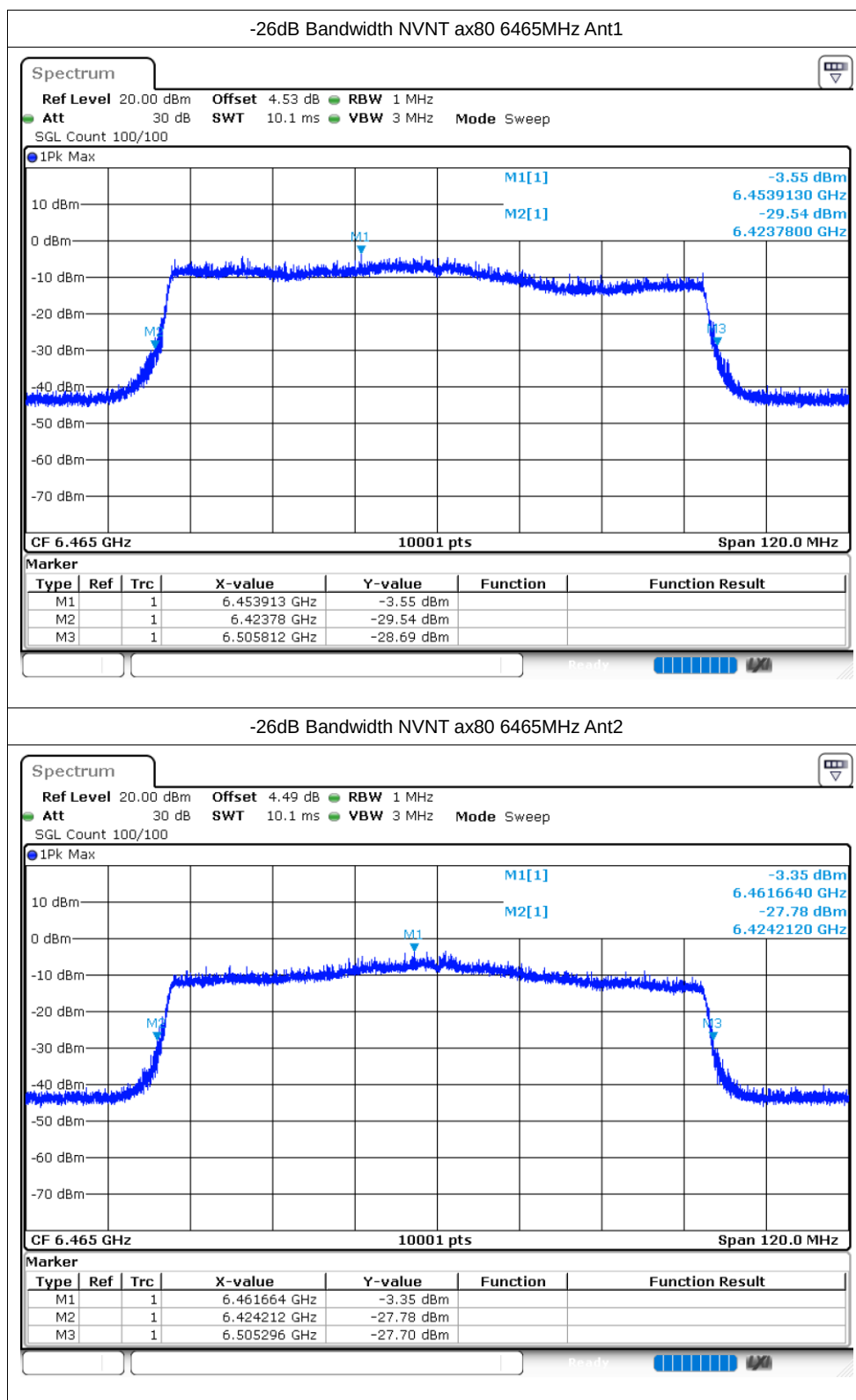












Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Gain (dBi)	eirp PSD (dBm)	Limit (dBm)	Verdict
NVNT	ax160	6505	Ant1	-14.76	0	-14.76	4.5	-10.08	-1	Pass
NVNT	ax160	6505	Ant2	-15.73	0	-15.73	4.5	-11.05	-1	Pass
NVNT	ax160	6505	Sum					-4.52	-1	Pass
NVNT	ax20	6435	Ant1	-11.53	0	-11.53	4.5	-7.03	-1	Pass
NVNT	ax20	6435	Ant2	-12.48	0	-12.48	4.5	-7.98	-1	Pass
NVNT	ax20	6435	Sum					-1.46	-1	Pass
NVNT	ax20	6475	Ant1	-11.52	0	-11.52	4.5	-7.02	-1	Pass
NVNT	ax20	6475	Ant2	-12.86	0	-12.86	4.5	-8.36	-1	Pass
NVNT	ax20	6475	Sum					-1.62	-1	Pass
NVNT	ax20	6515	Ant1	-12.35	0	-12.35	4.5	-7.85	-1	Pass
NVNT	ax20	6515	Ant2	-11.92	0	-11.92	4.5	-7.42	-1	Pass
NVNT	ax20	6515	Sum					-1.61	-1	Pass
NVNT	ax40	6445	Ant1	-13.13	0	-13.13	4.5	-8.63	-1	Pass
NVNT	ax40	6445	Ant2	-13.2	0	-13.2	4.5	-8.7	-1	Pass
NVNT	ax40	6445	Sum					-2.64	-1	Pass
NVNT	ax40	6485	Ant1	-13.89	0	-13.89	4.5	-9.39	-1	Pass
NVNT	ax40	6485	Ant2	-13.39	0	-13.39	4.5	-8.89	-1	Pass
NVNT	ax40	6485	Sum					-3.11	-1	Pass
NVNT	ax40	6525	Ant1	-14.12	0	-14.12	4.5	-9.62	-1	Pass
NVNT	ax40	6525	Ant2	-13.45	0	-13.45	4.5	-8.95	-1	Pass
NVNT	ax40	6525	Sum					-3.25	-1	Pass
NVNT	ax80	6465	Ant1	-15.79	0	-15.79	4.5	-11.29	-1	Pass
NVNT	ax80	6465	Ant2	-15.39	0	-15.39	4.5	-10.89	-1	Pass
NVNT	ax80	6465	Sum					-5.07	-1	Pass

