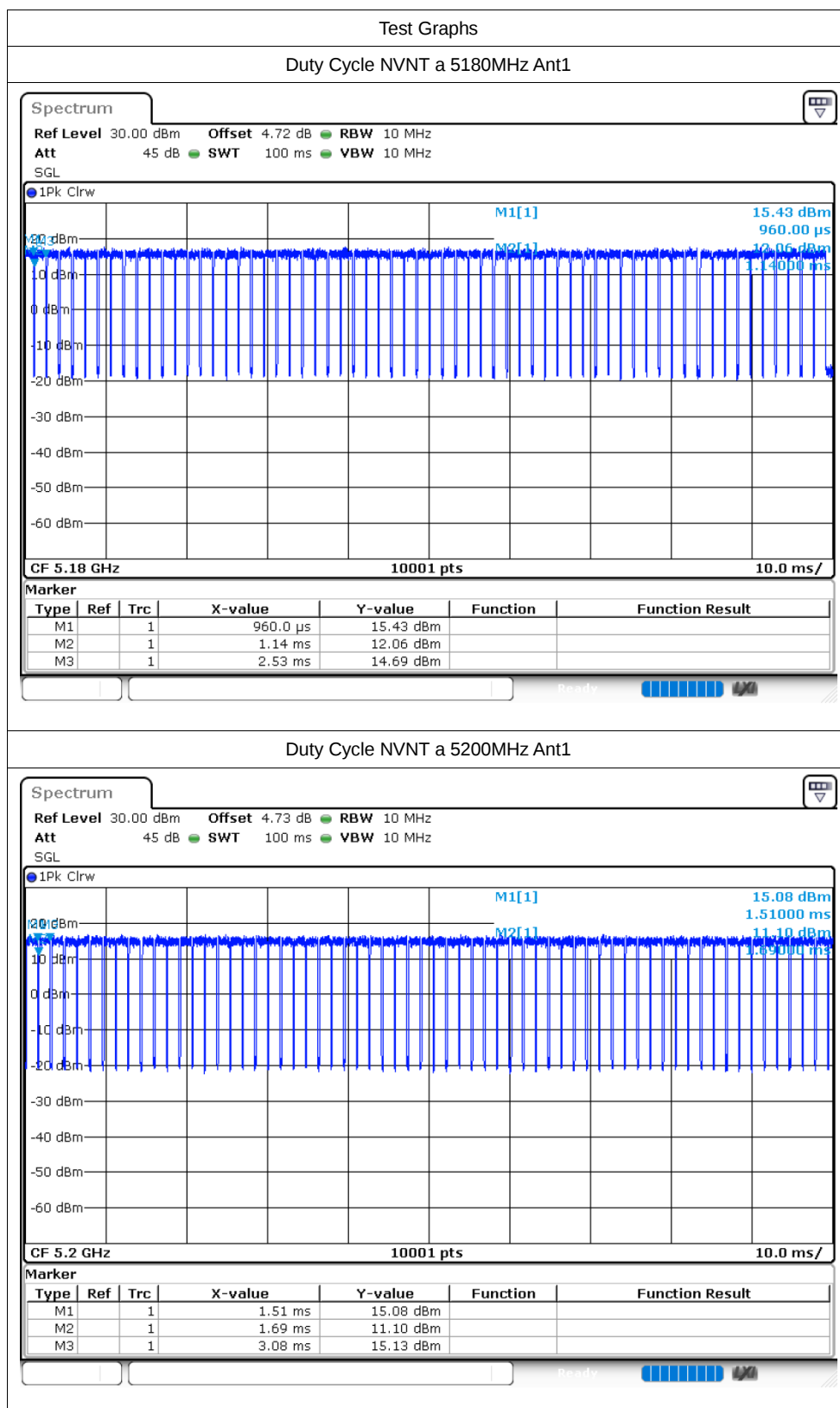
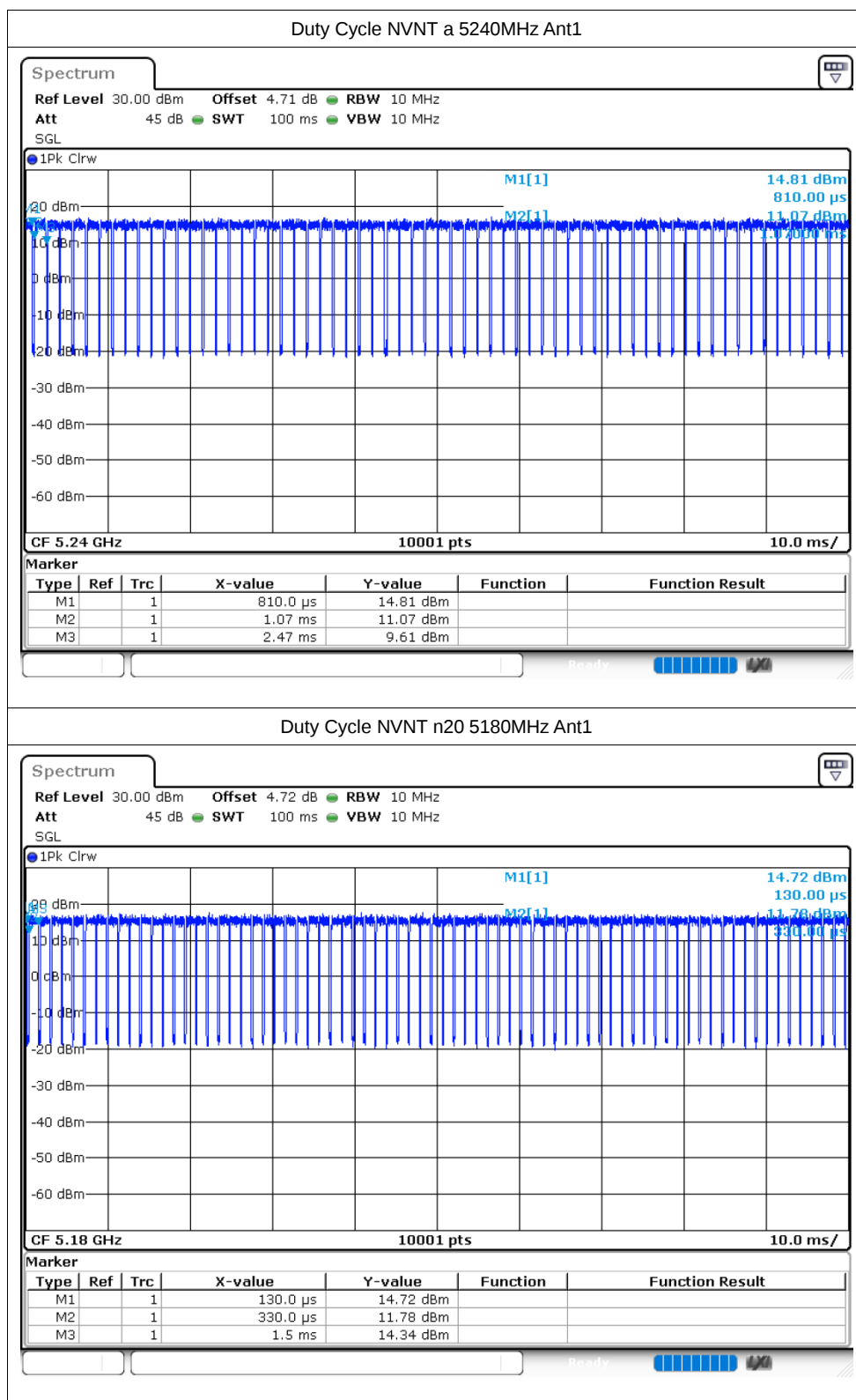


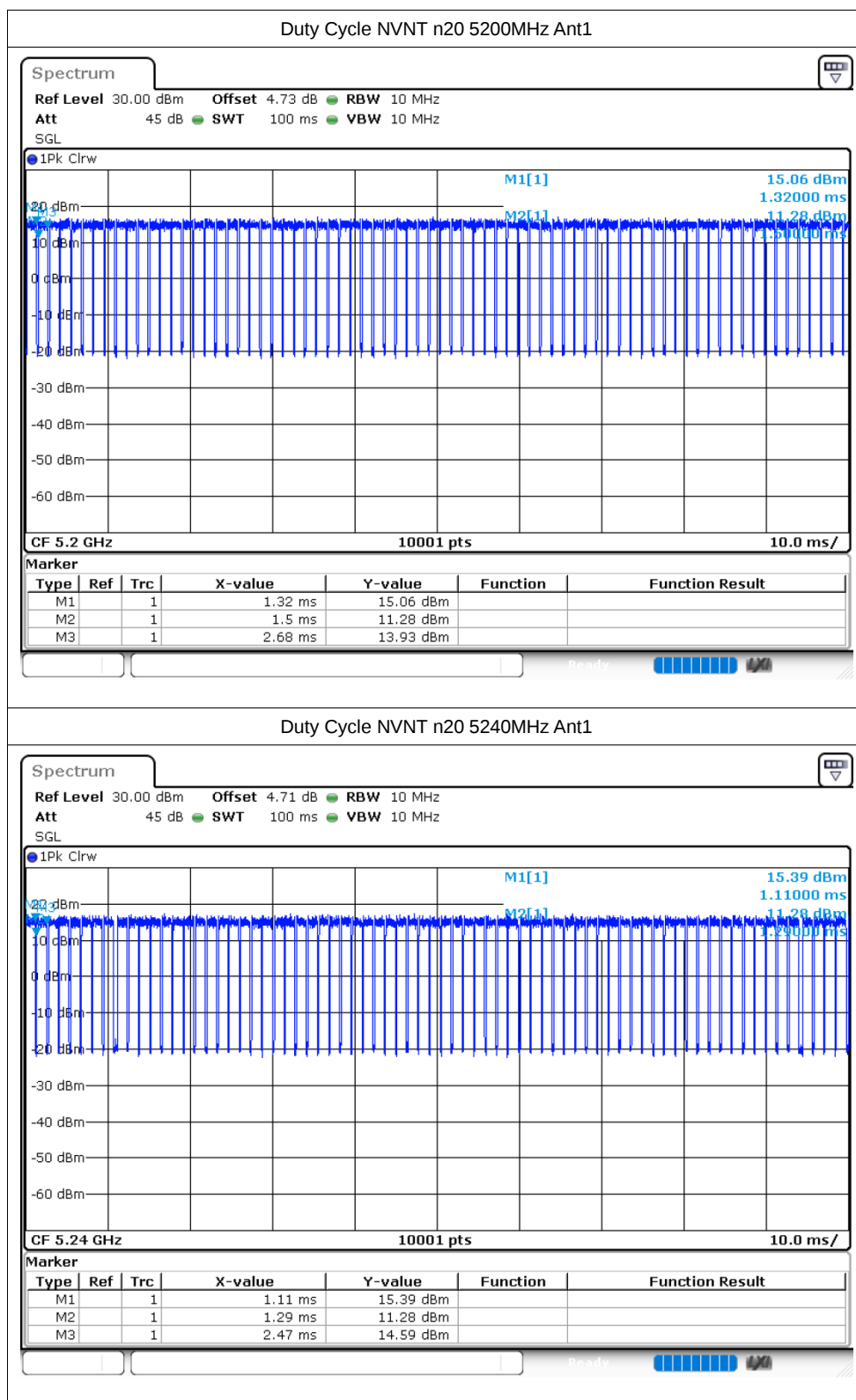
WIFI 5.2G

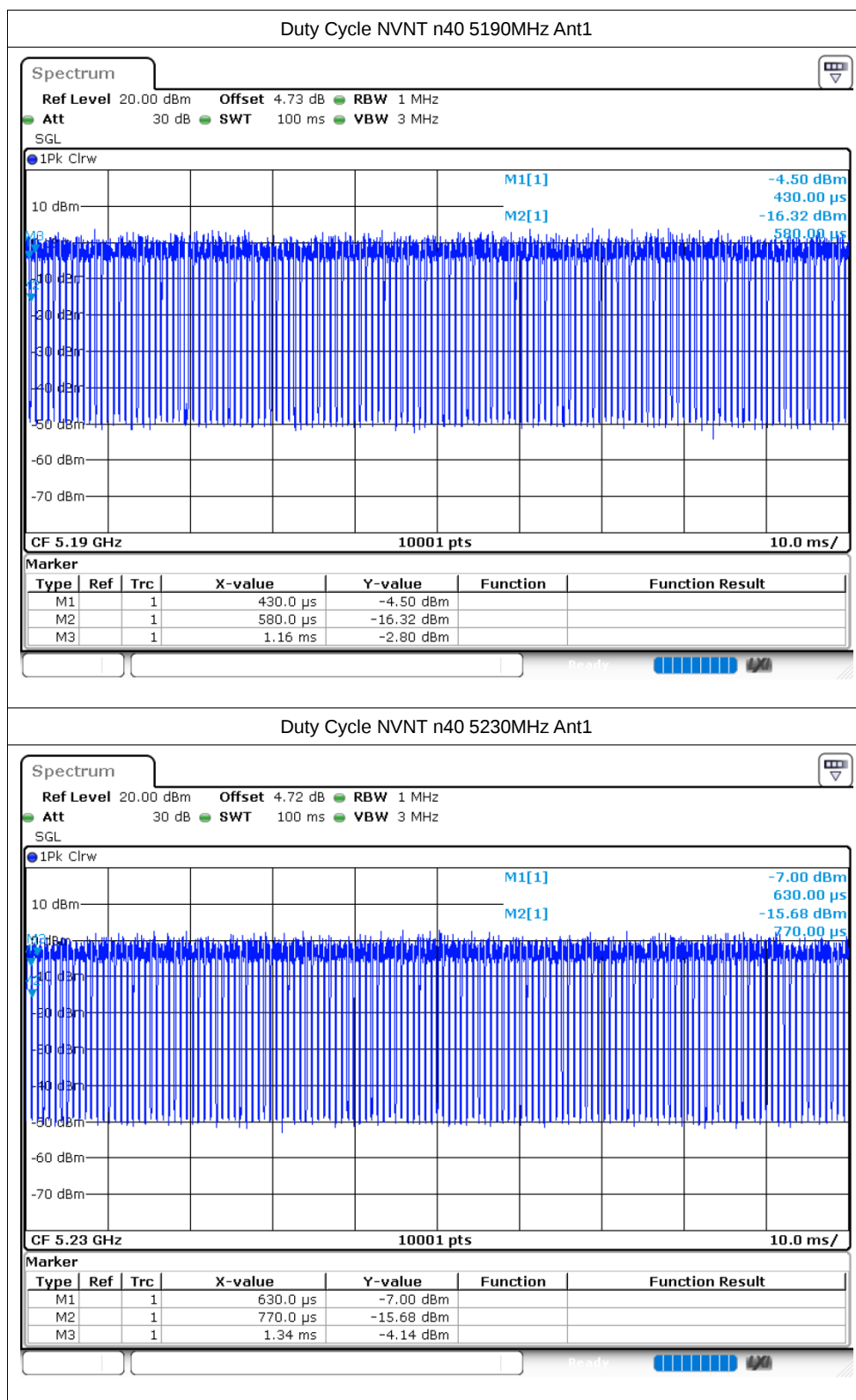
Duty Cycle

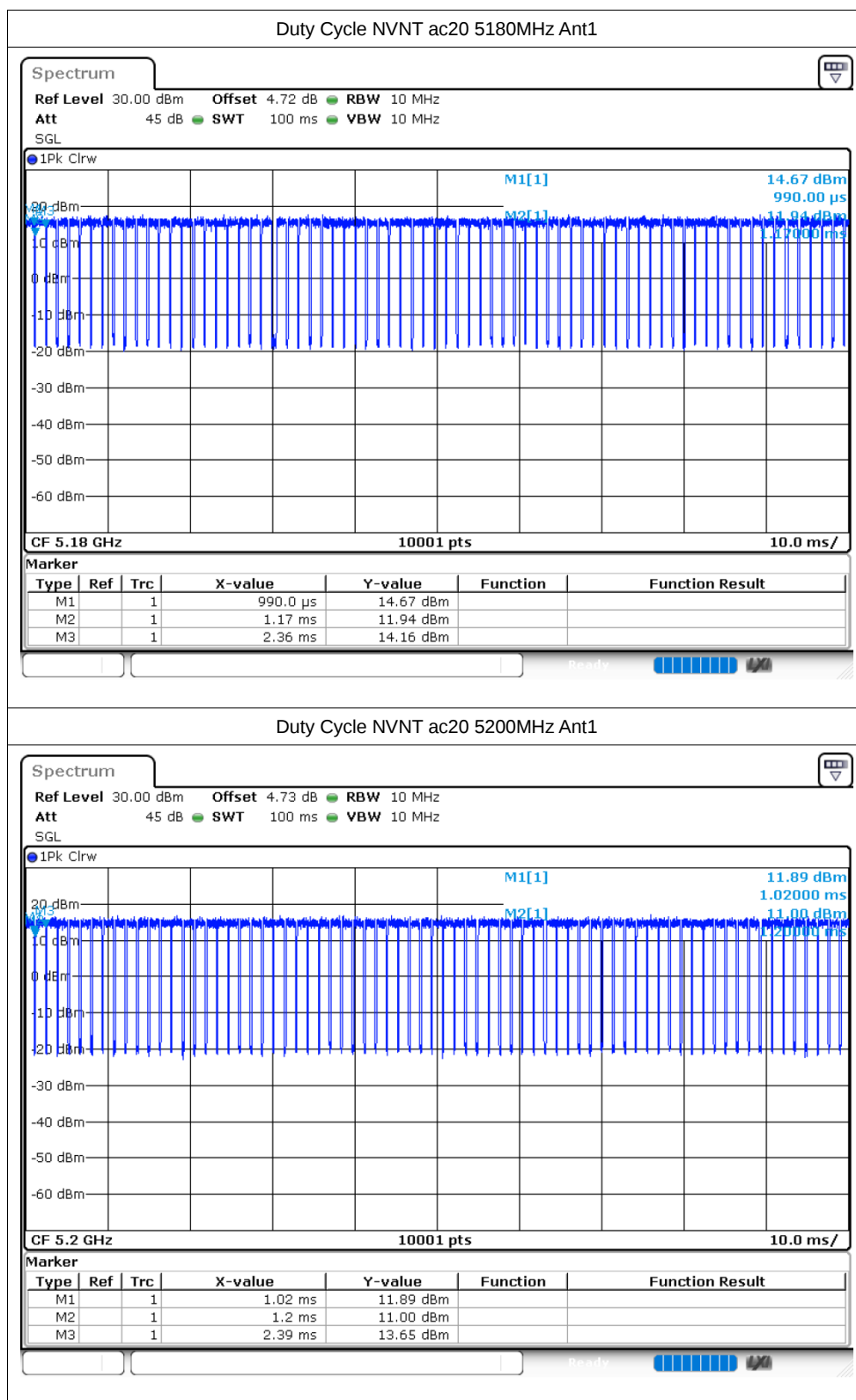
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	87.89	0.56	0.72
NVNT	a	5200	Ant1	88.79	0.52	0.72
NVNT	a	5240	Ant1	88.48	0.53	0.71
NVNT	n20	5180	Ant1	86.88	0.61	0.85
NVNT	n20	5200	Ant1	87.02	0.6	0.85
NVNT	n20	5240	Ant1	86.44	0.63	0.85
NVNT	n40	5190	Ant1	80.17	0.96	1.72
NVNT	n40	5230	Ant1	80.48	0.94	1.75
NVNT	ac20	5180	Ant1	86.3	0.64	0.84
NVNT	ac20	5200	Ant1	86.8	0.61	0.84
NVNT	ac20	5240	Ant1	86.87	0.61	0.84
NVNT	ac40	5190	Ant1	80.77	0.93	1.72
NVNT	ac40	5230	Ant1	80.73	0.93	1.72
NVNT	ac80	5210	Ant1	63.34	1.98	3.45

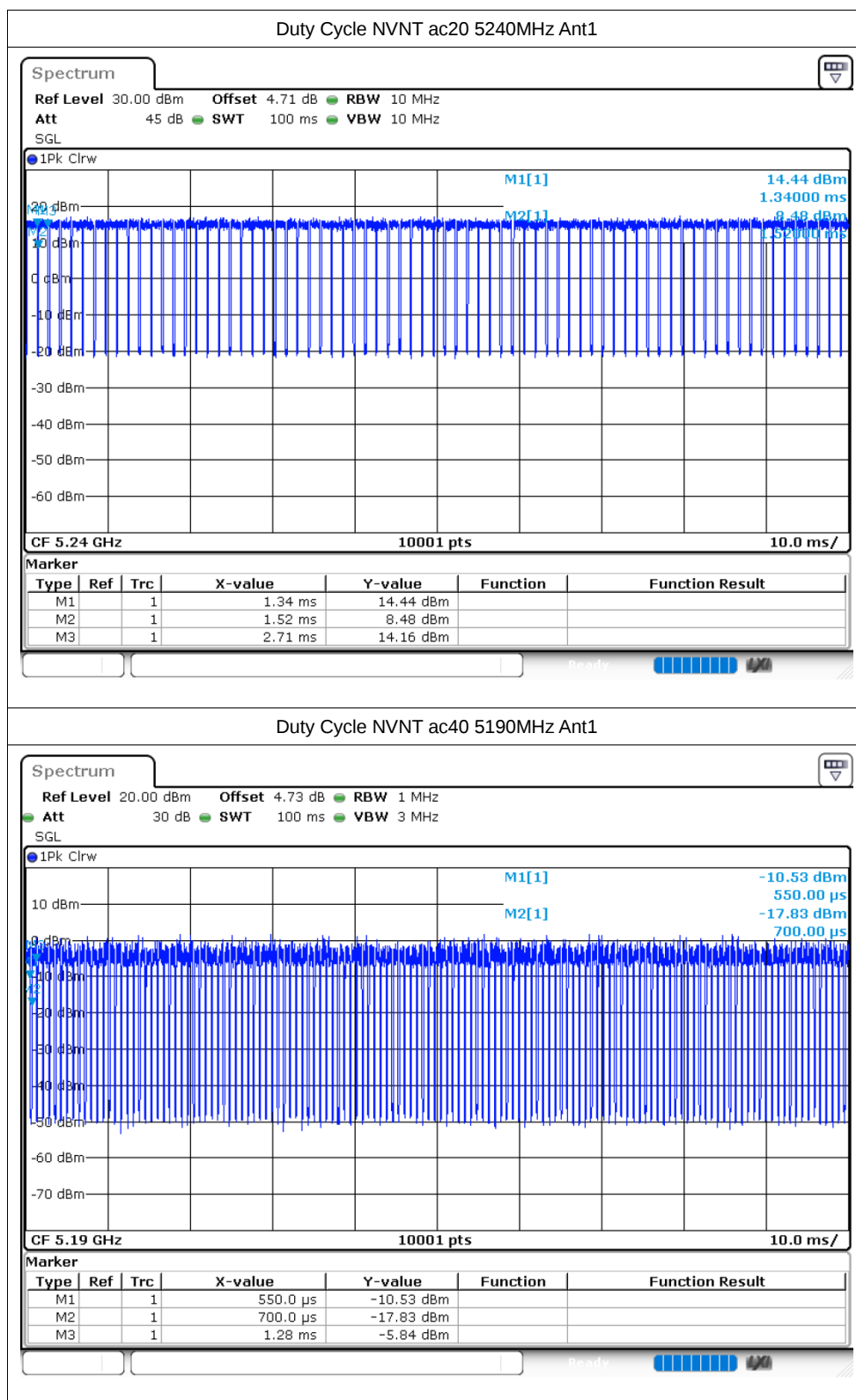


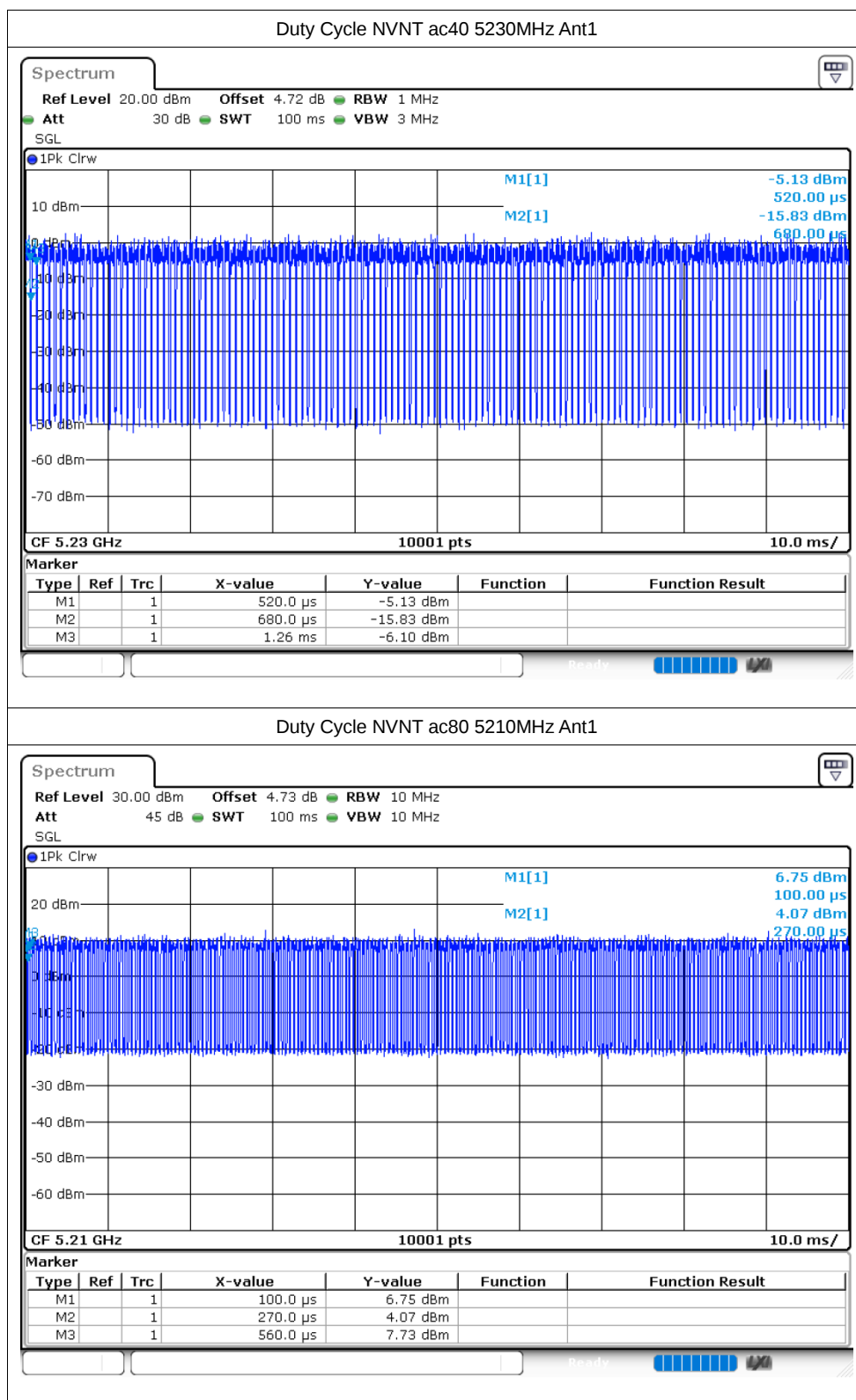












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.46	24	Pass
NVNT	a	5200	Ant1	11.02	24	Pass
NVNT	a	5240	Ant1	10.97	24	Pass
NVNT	n20	5180	Ant1	11.4	24	Pass
NVNT	n20	5200	Ant1	11.09	24	Pass
NVNT	n20	5240	Ant1	10.87	24	Pass
NVNT	n40	5190	Ant1	12.17	24	Pass
NVNT	n40	5230	Ant1	12.87	24	Pass
NVNT	ac20	5180	Ant1	11.48	24	Pass
NVNT	ac20	5200	Ant1	11.4	24	Pass
NVNT	ac20	5240	Ant1	11.21	24	Pass
NVNT	ac40	5190	Ant1	11.31	24	Pass
NVNT	ac40	5230	Ant1	12.12	24	Pass
NVNT	ac80	5210	Ant1	11.56	24	Pass

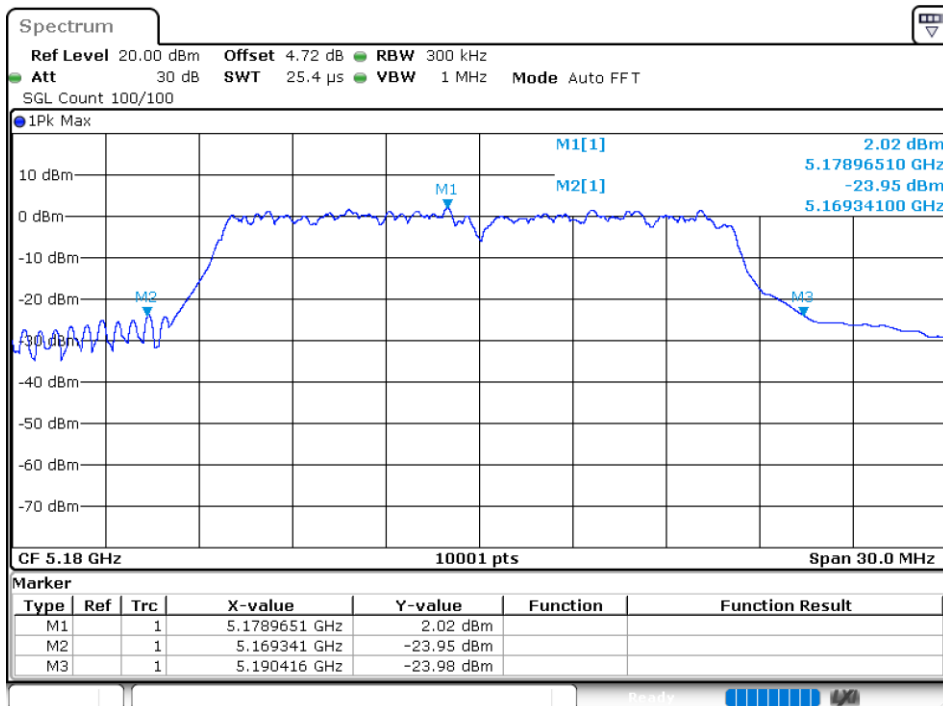
Note: The average power value already includes the duty cycle factor

-26dB Bandwidth

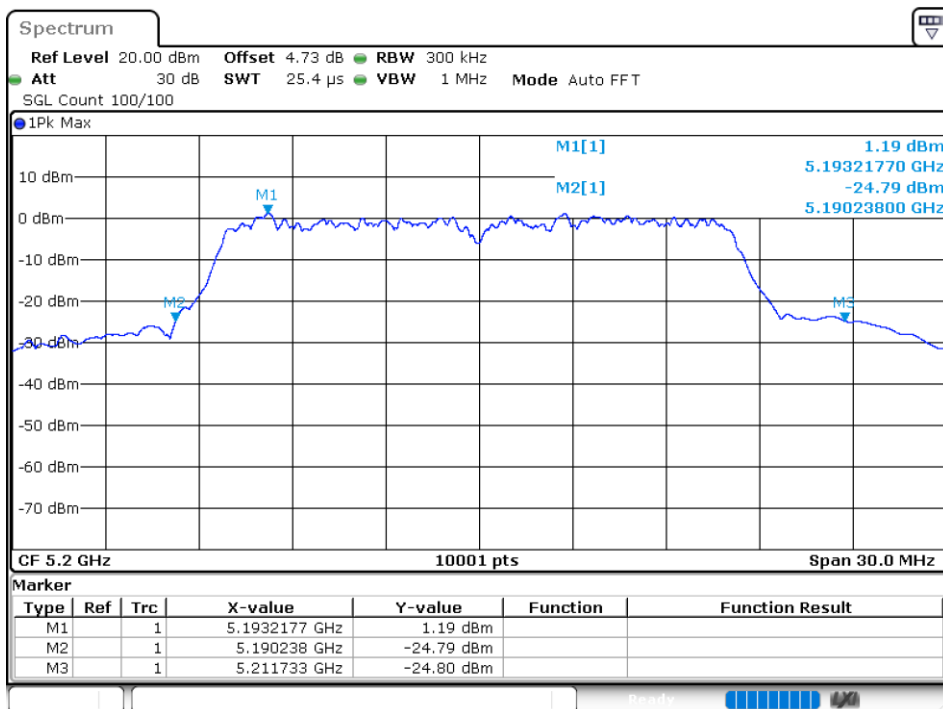
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.075	Pass
NVNT	a	5200	Ant1	21.495	Pass
NVNT	a	5240	Ant1	19.746	Pass
NVNT	n20	5180	Ant1	23.241	Pass
NVNT	n20	5200	Ant1	24.852	Pass
NVNT	n20	5240	Ant1	21.489	Pass
NVNT	n40	5190	Ant1	44.634	Pass
NVNT	n40	5230	Ant1	55.584	Pass
NVNT	ac20	5180	Ant1	24.756	Pass
NVNT	ac20	5200	Ant1	25.128	Pass
NVNT	ac20	5240	Ant1	24.972	Pass
NVNT	ac40	5190	Ant1	56.76	Pass
NVNT	ac40	5230	Ant1	53.616	Pass
NVNT	ac80	5210	Ant1	89.028	Pass

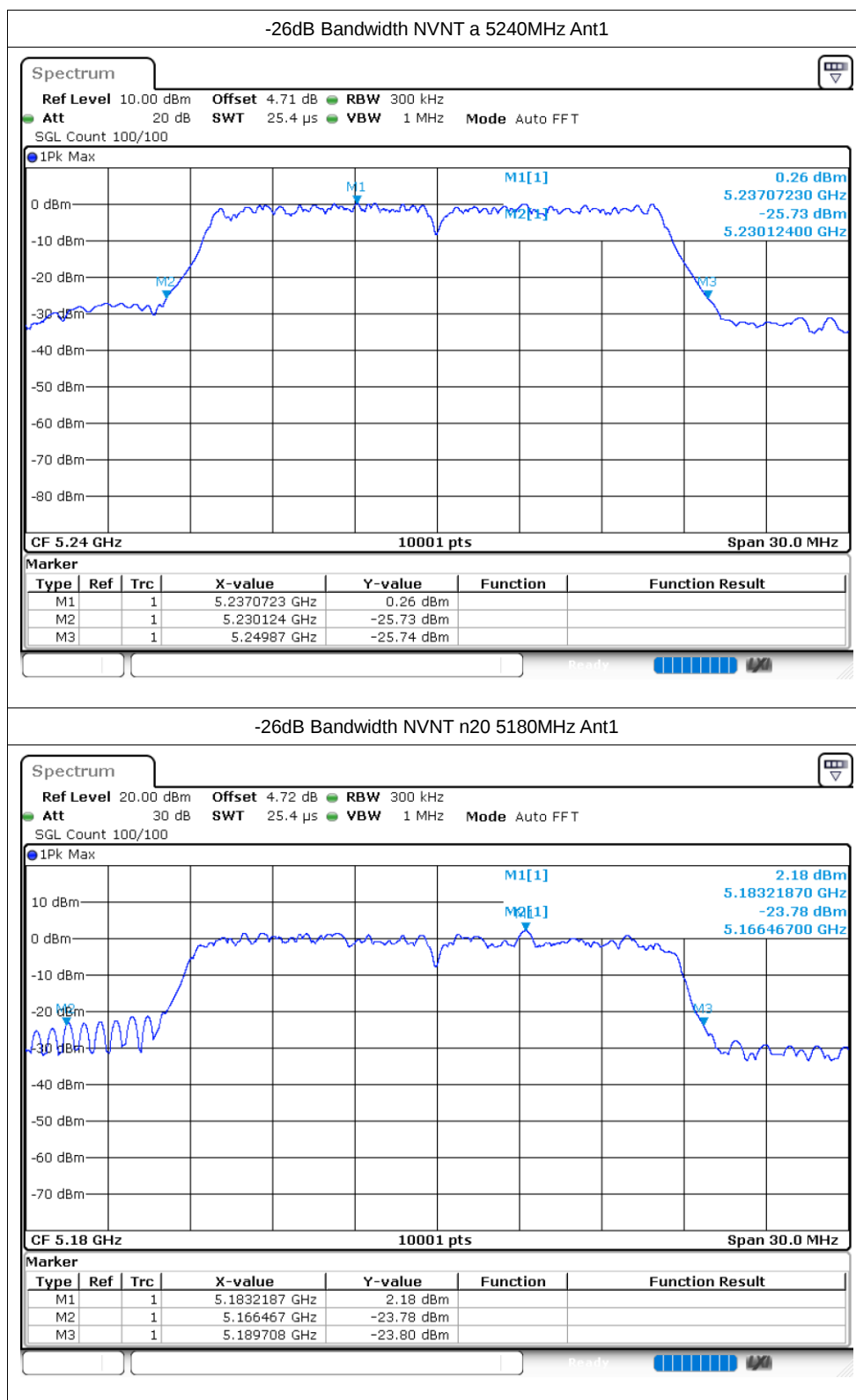
Test Graphs

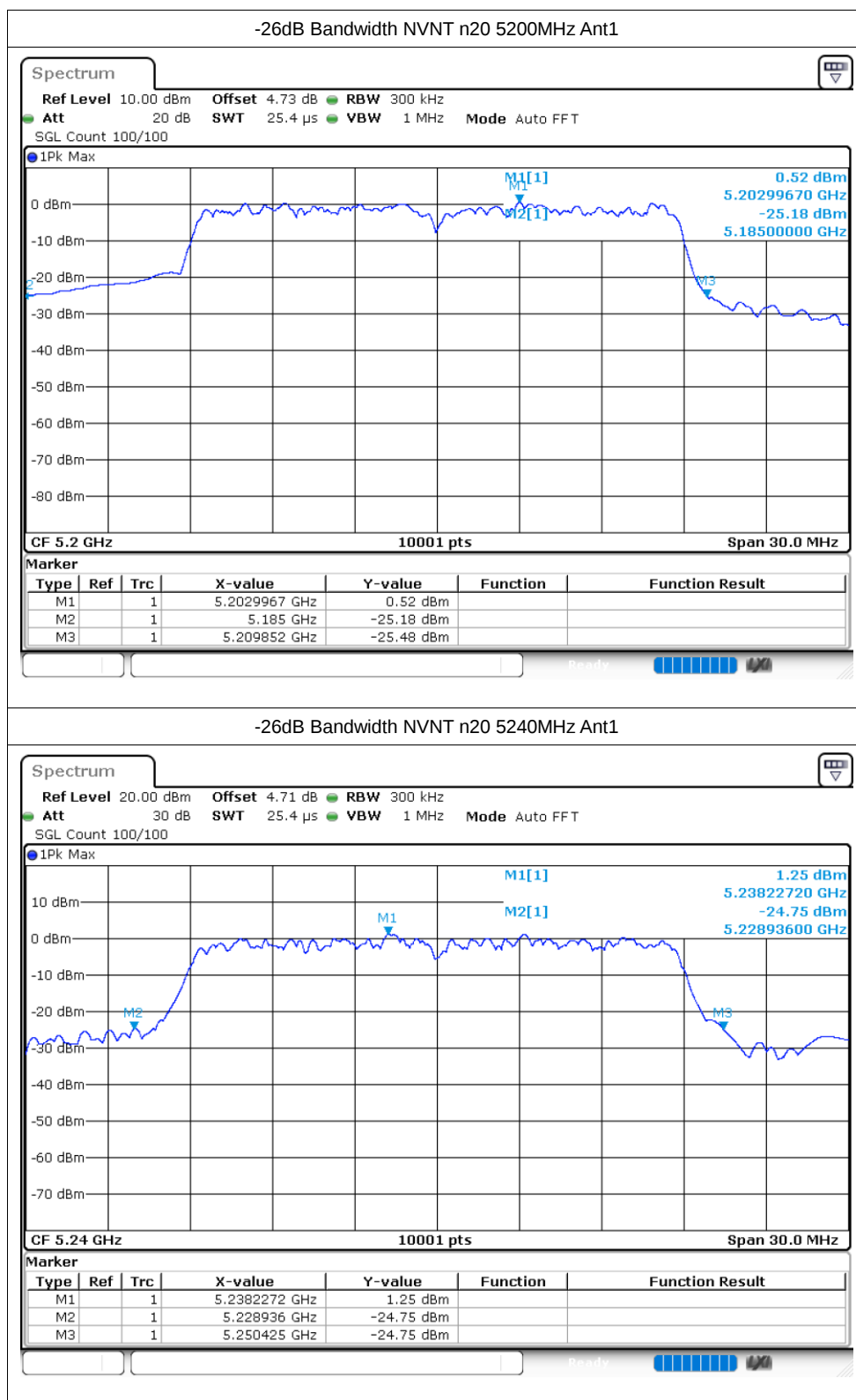
-26dB Bandwidth NVNT a 5180MHz Ant1

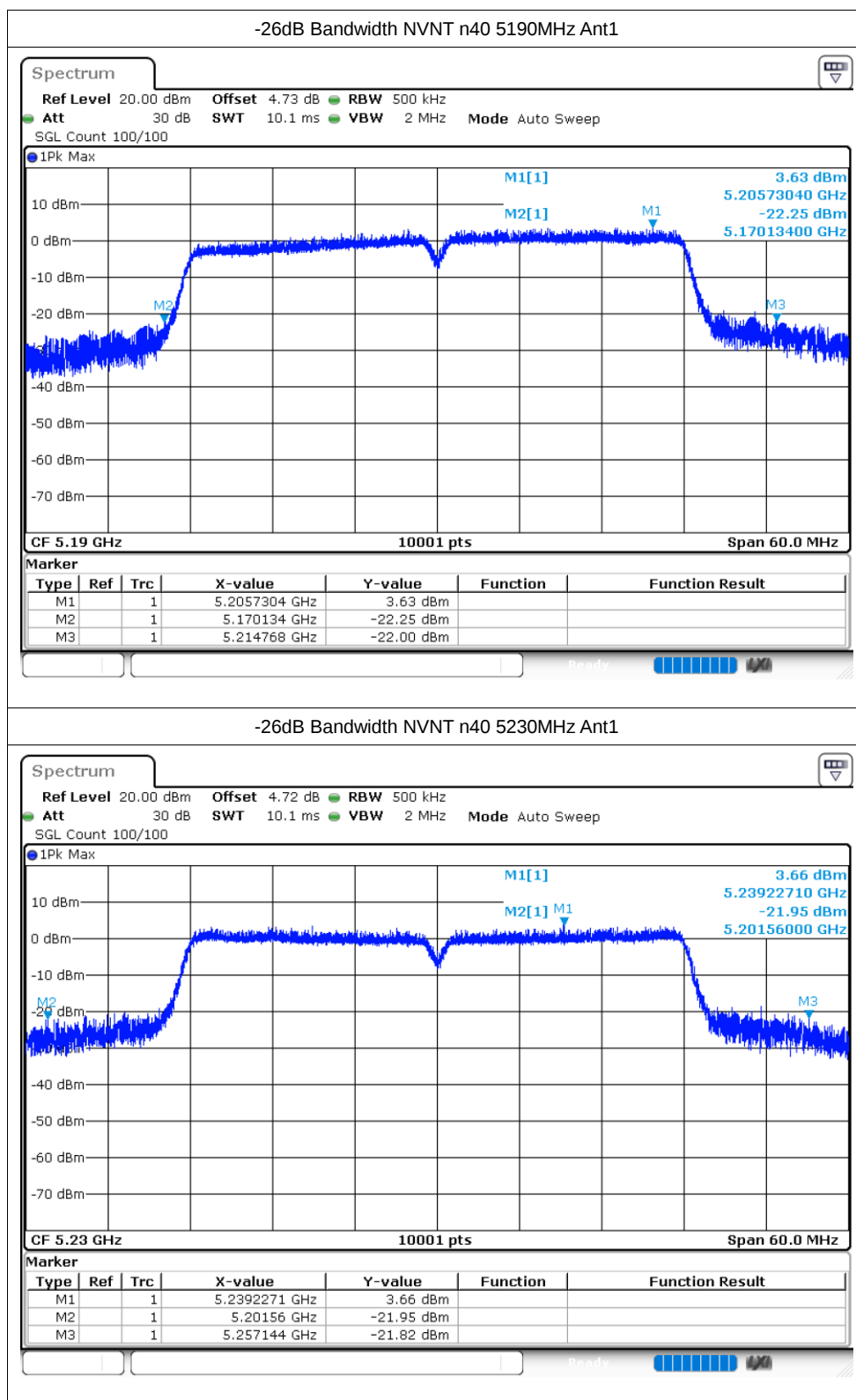


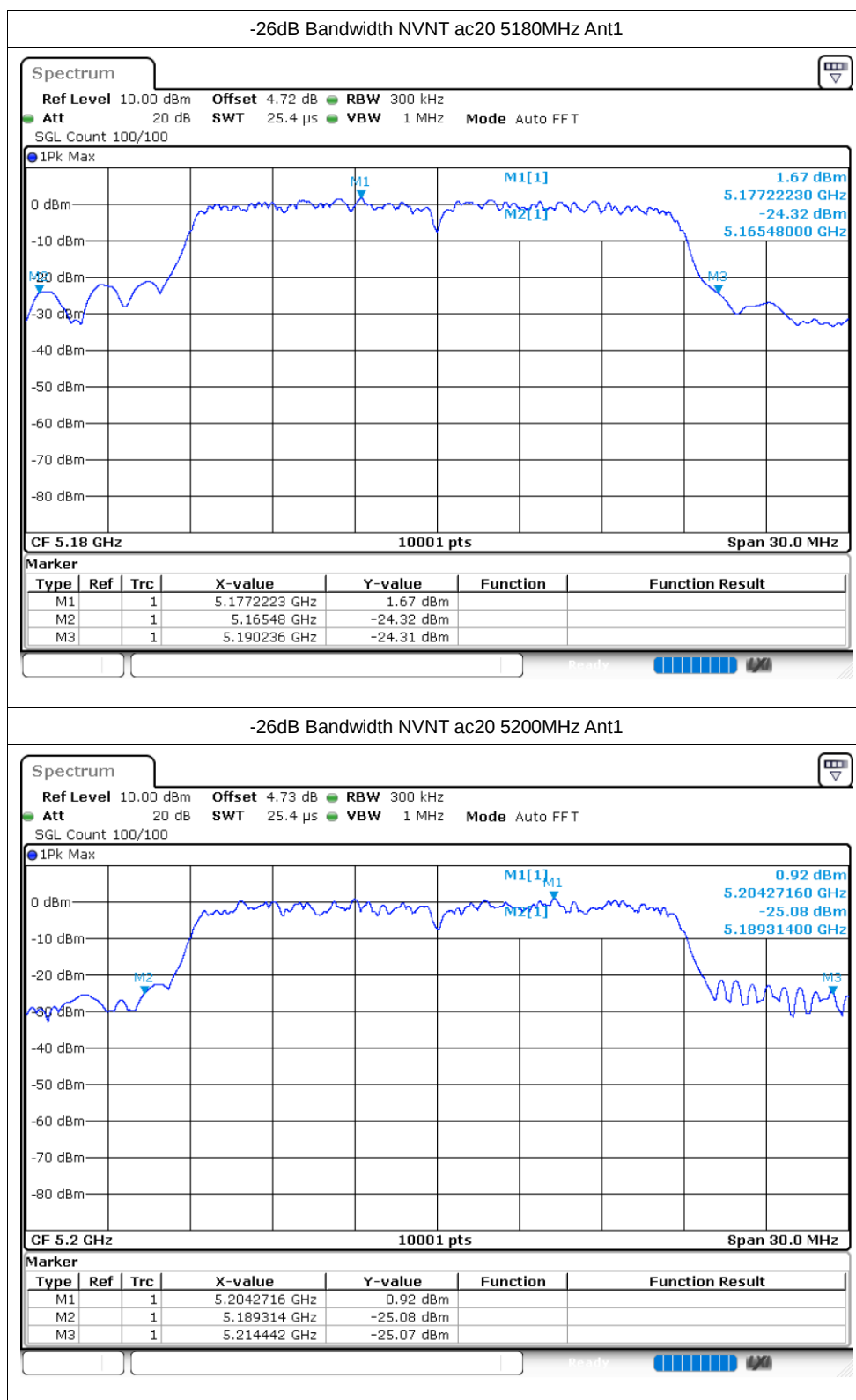
-26dB Bandwidth NVNT a 5200MHz Ant1

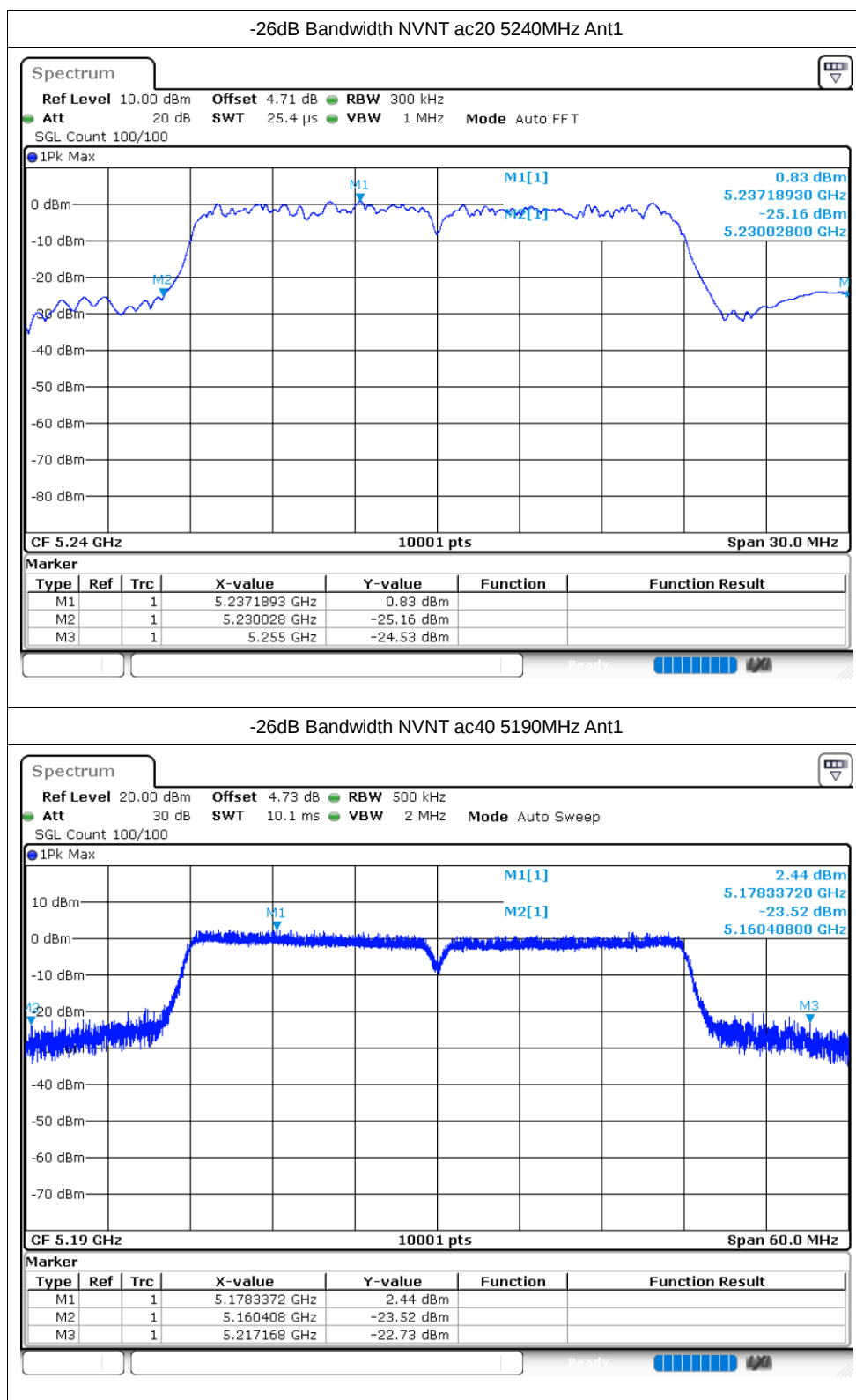


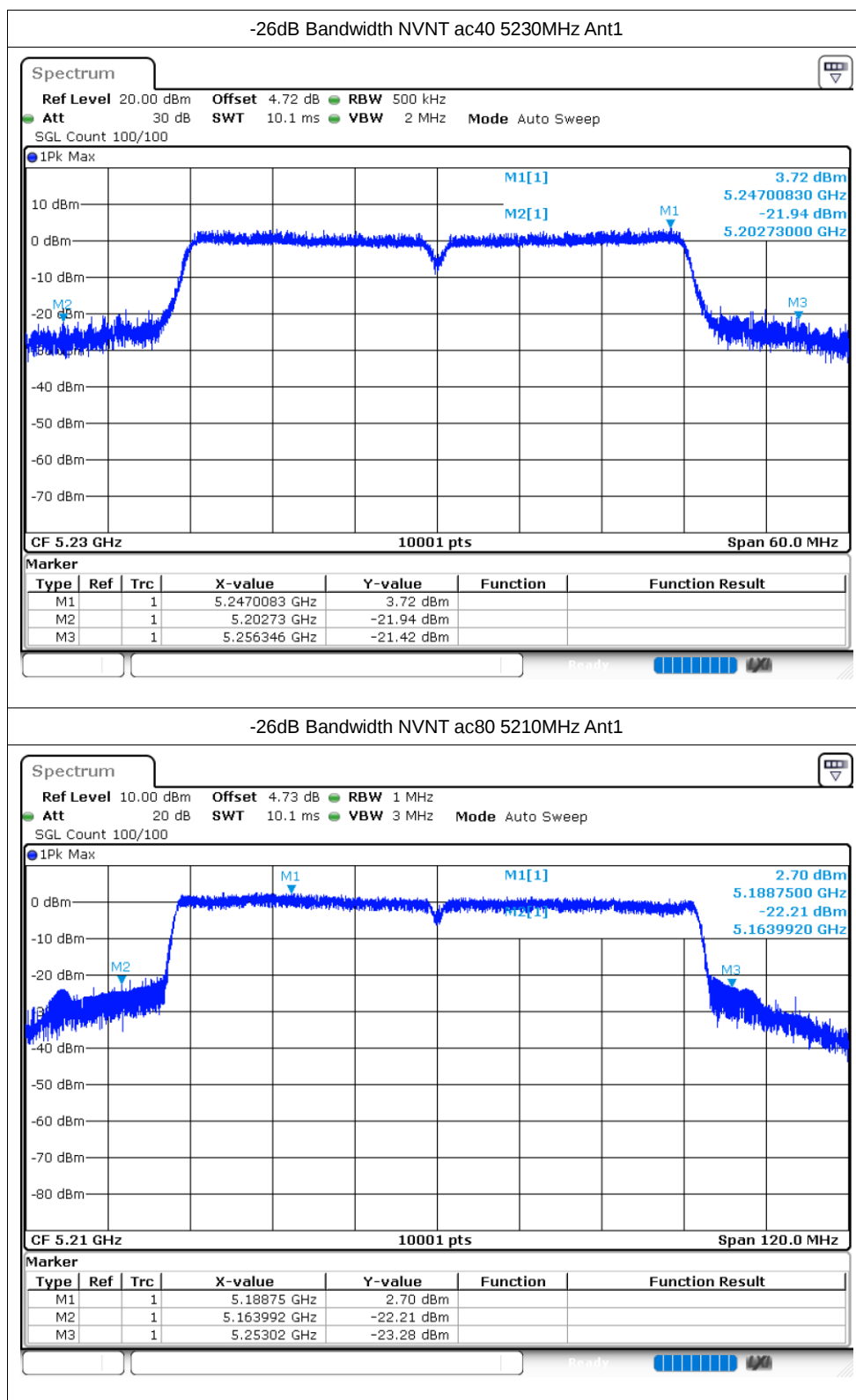










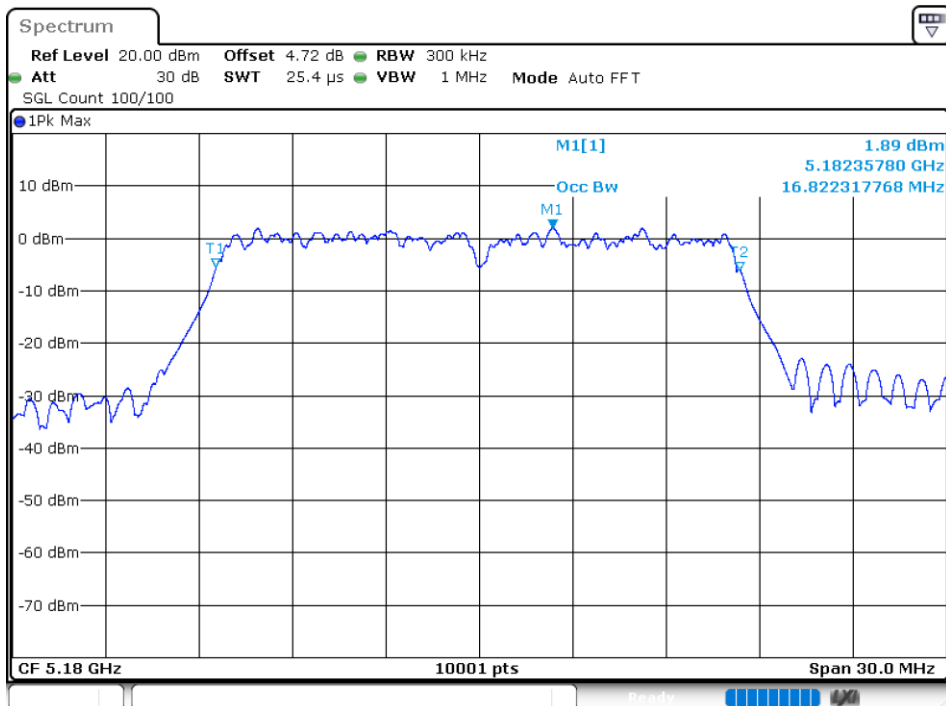


Occupied Channel Bandwidth

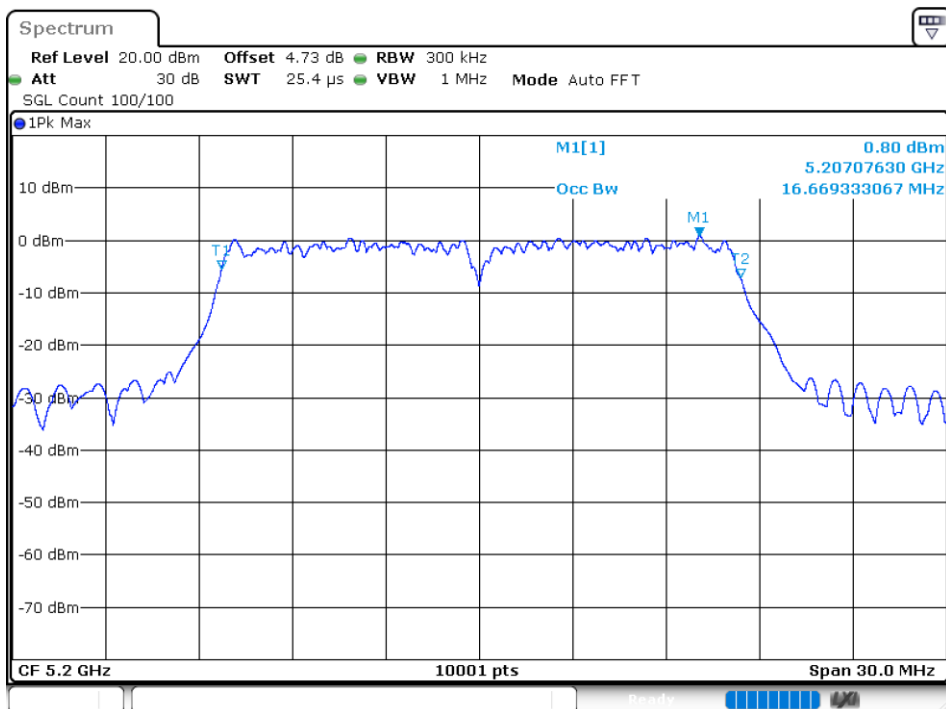
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.822
NVNT	a	5200	Ant1	16.669
NVNT	a	5240	Ant1	16.726
NVNT	n20	5180	Ant1	17.608
NVNT	n20	5200	Ant1	17.578
NVNT	n20	5240	Ant1	17.719
NVNT	n40	5190	Ant1	36.104
NVNT	n40	5230	Ant1	36.464
NVNT	ac20	5180	Ant1	17.758
NVNT	ac20	5200	Ant1	17.707
NVNT	ac20	5240	Ant1	17.719
NVNT	ac40	5190	Ant1	36.458
NVNT	ac40	5230	Ant1	36.452
NVNT	ac80	5210	Ant1	75.664

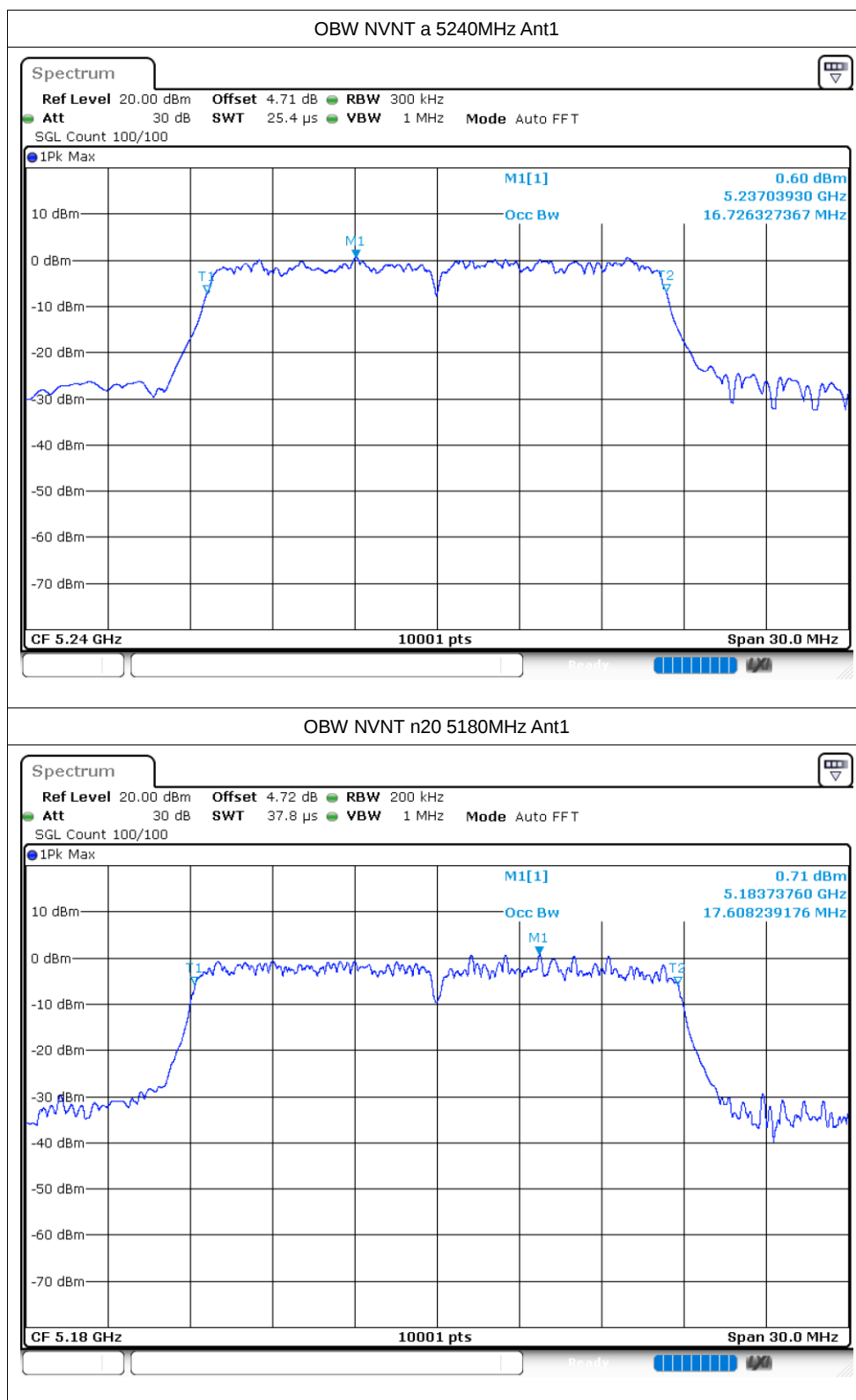
Test Graphs

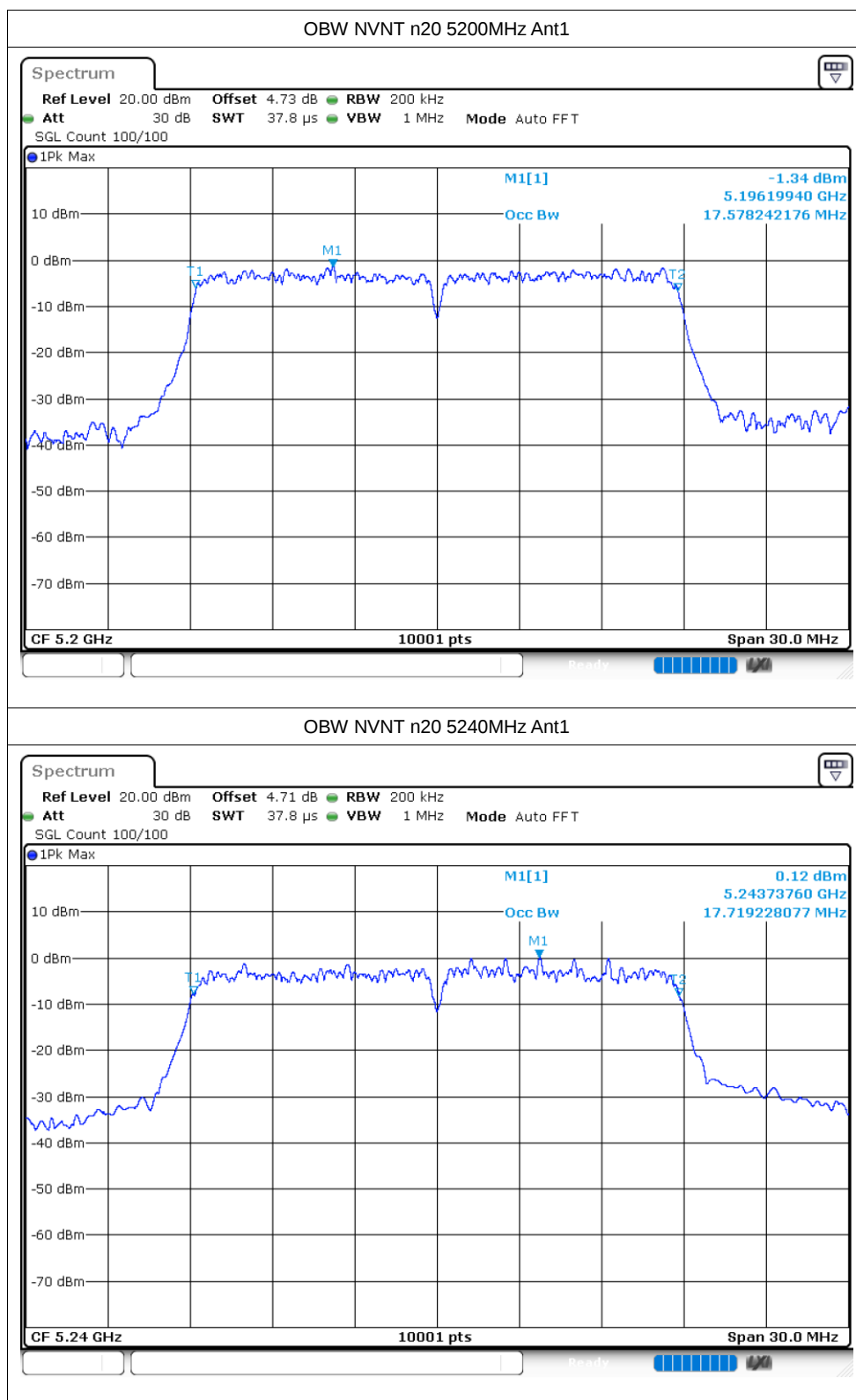
OBW NVNT a 5180MHz Ant1

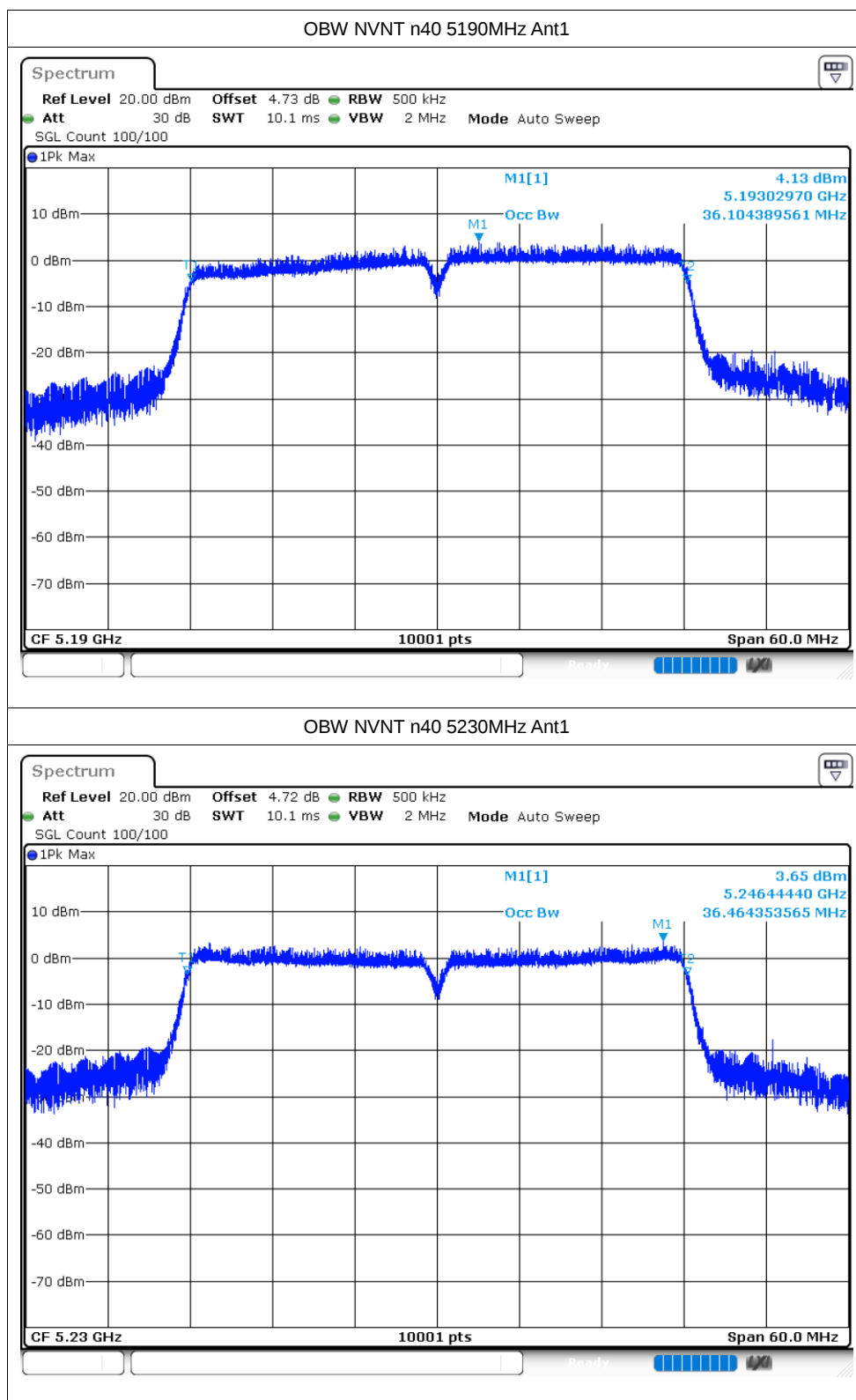


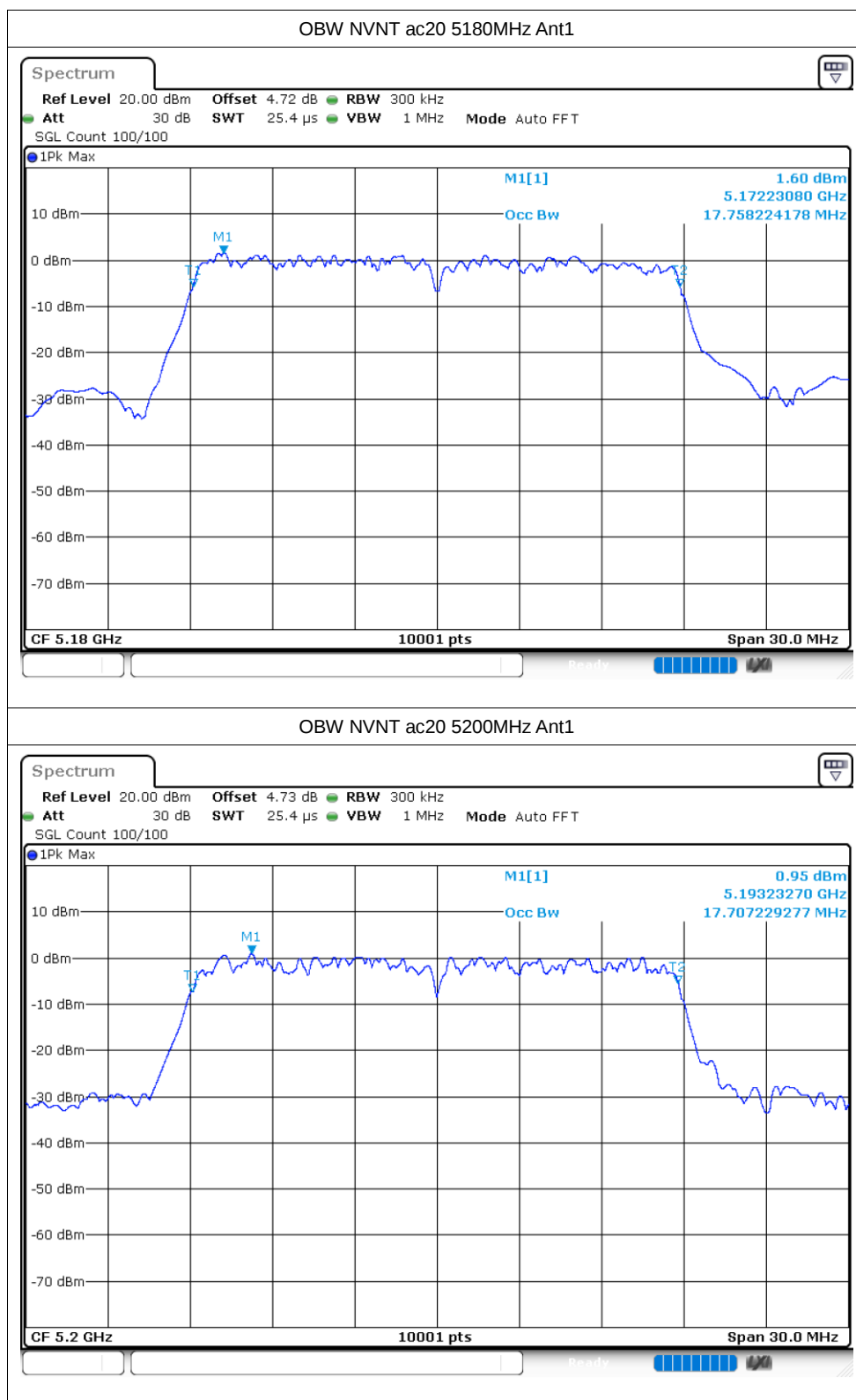
OBW NVNT a 5200MHz Ant1

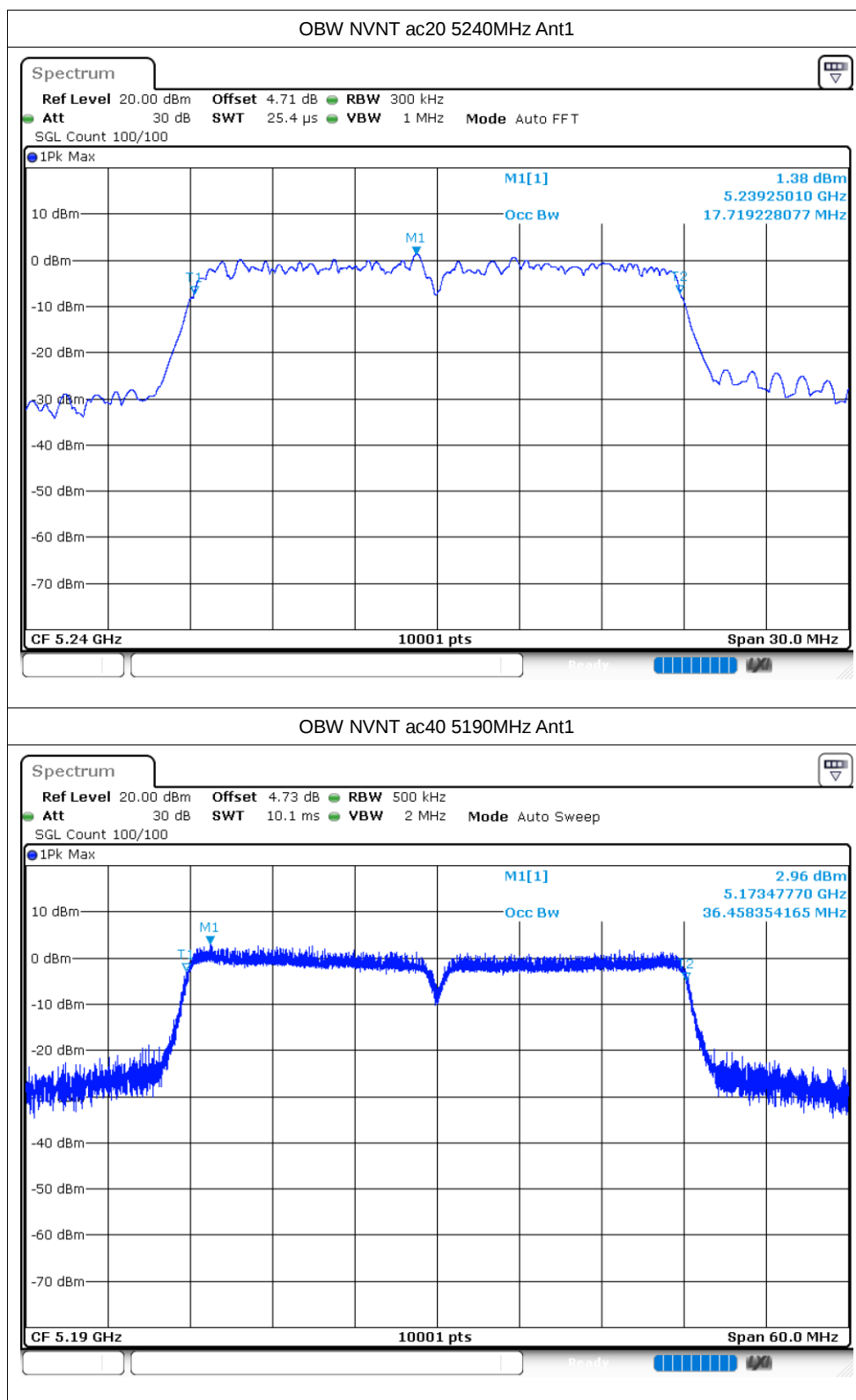


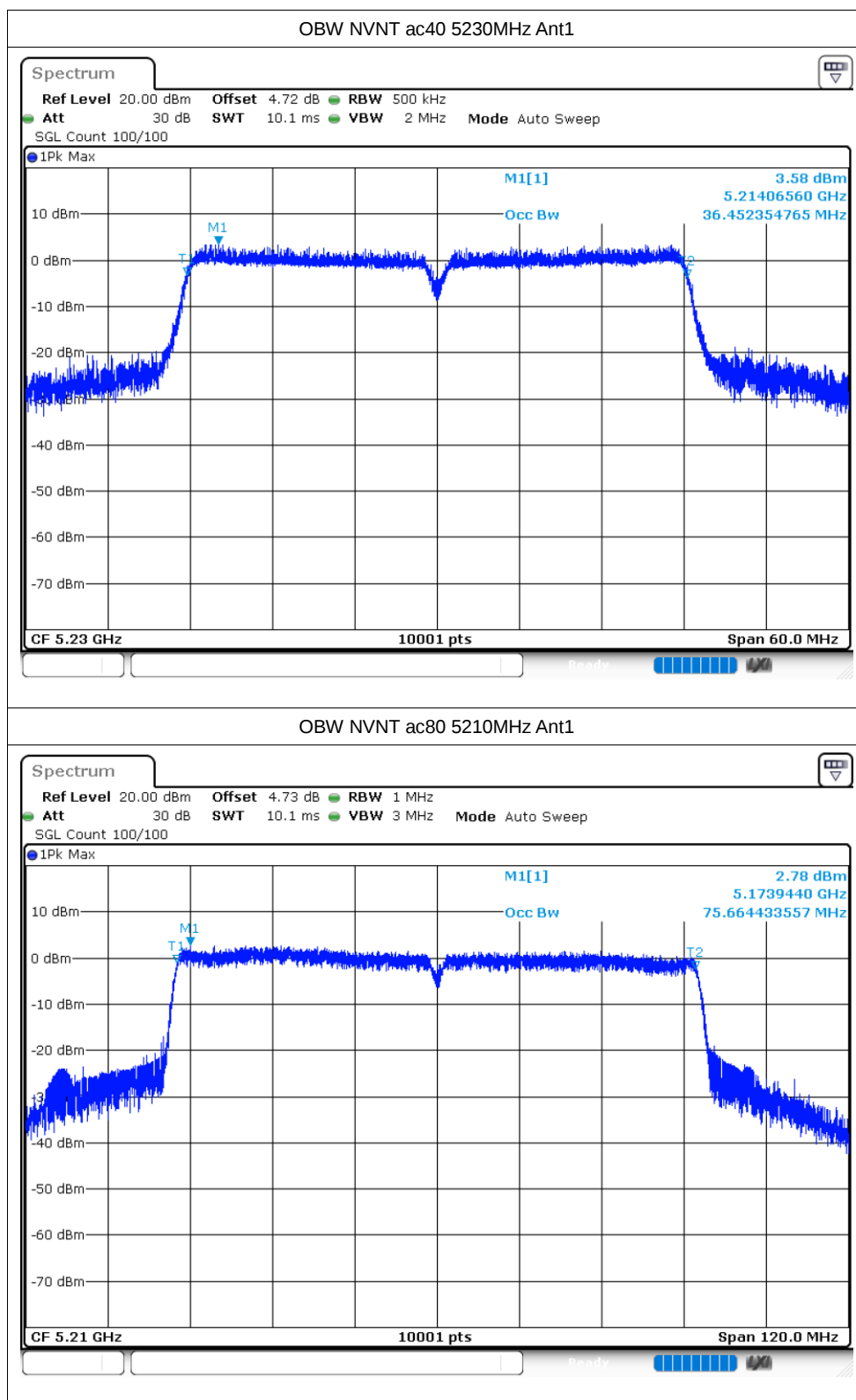










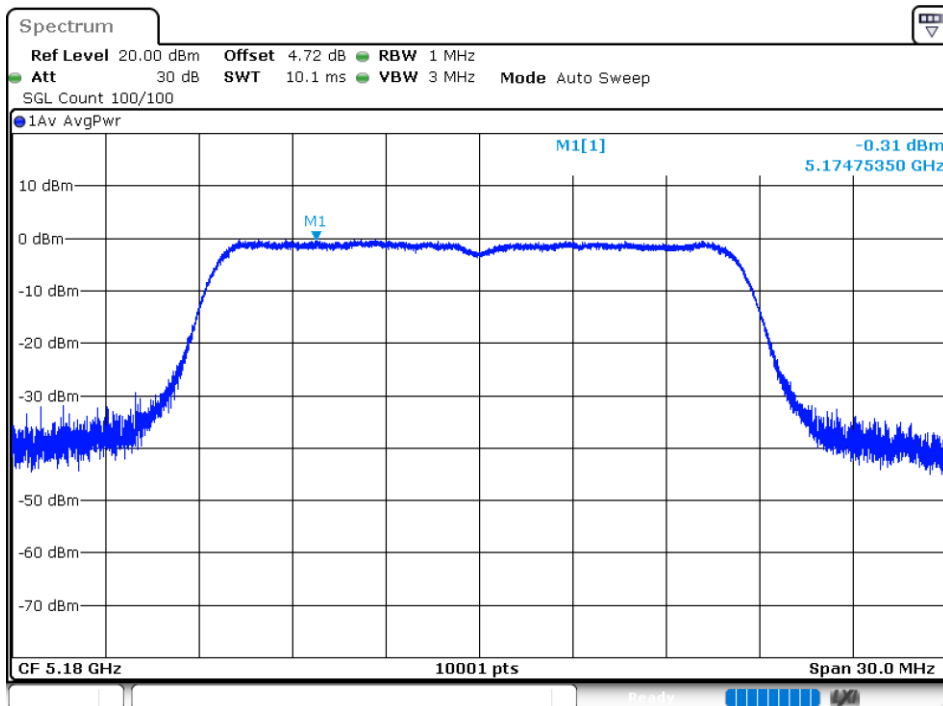


Maximum Power Spectral Density Level

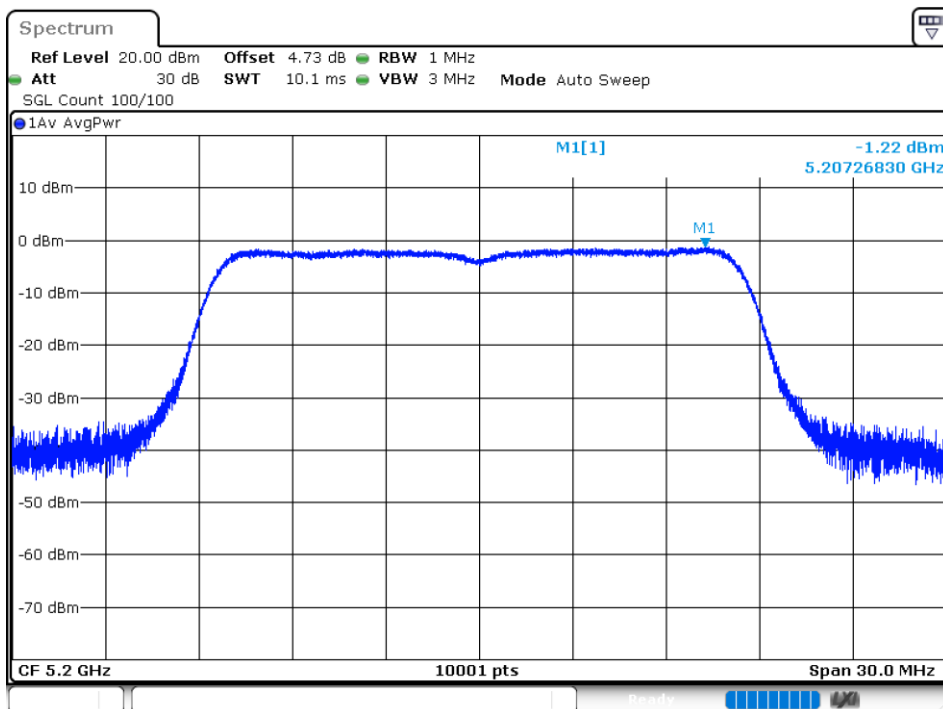
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-0.31	0.56	0.25	11	Pass
NVNT	a	5200	Ant1	-1.22	0.52	-0.7	11	Pass
NVNT	a	5240	Ant1	-1.72	0.53	-1.19	11	Pass
NVNT	n20	5180	Ant1	-0.78	0.61	-0.17	11	Pass
NVNT	n20	5200	Ant1	-1.96	0.6	-1.36	11	Pass
NVNT	n20	5240	Ant1	-2.12	0.63	-1.49	11	Pass
NVNT	n40	5190	Ant1	-3.16	0.96	-2.2	11	Pass
NVNT	n40	5230	Ant1	-3.59	0.94	-2.65	11	Pass
NVNT	ac20	5180	Ant1	0.04	0.64	0.68	11	Pass
NVNT	ac20	5200	Ant1	-1.46	0.61	-0.85	11	Pass
NVNT	ac20	5240	Ant1	-1.43	0.61	-0.82	11	Pass
NVNT	ac40	5190	Ant1	-2.92	0.93	-1.99	11	Pass
NVNT	ac40	5230	Ant1	-2.99	0.93	-2.06	11	Pass
NVNT	ac80	5210	Ant1	-7.84	1.98	-5.86	11	Pass

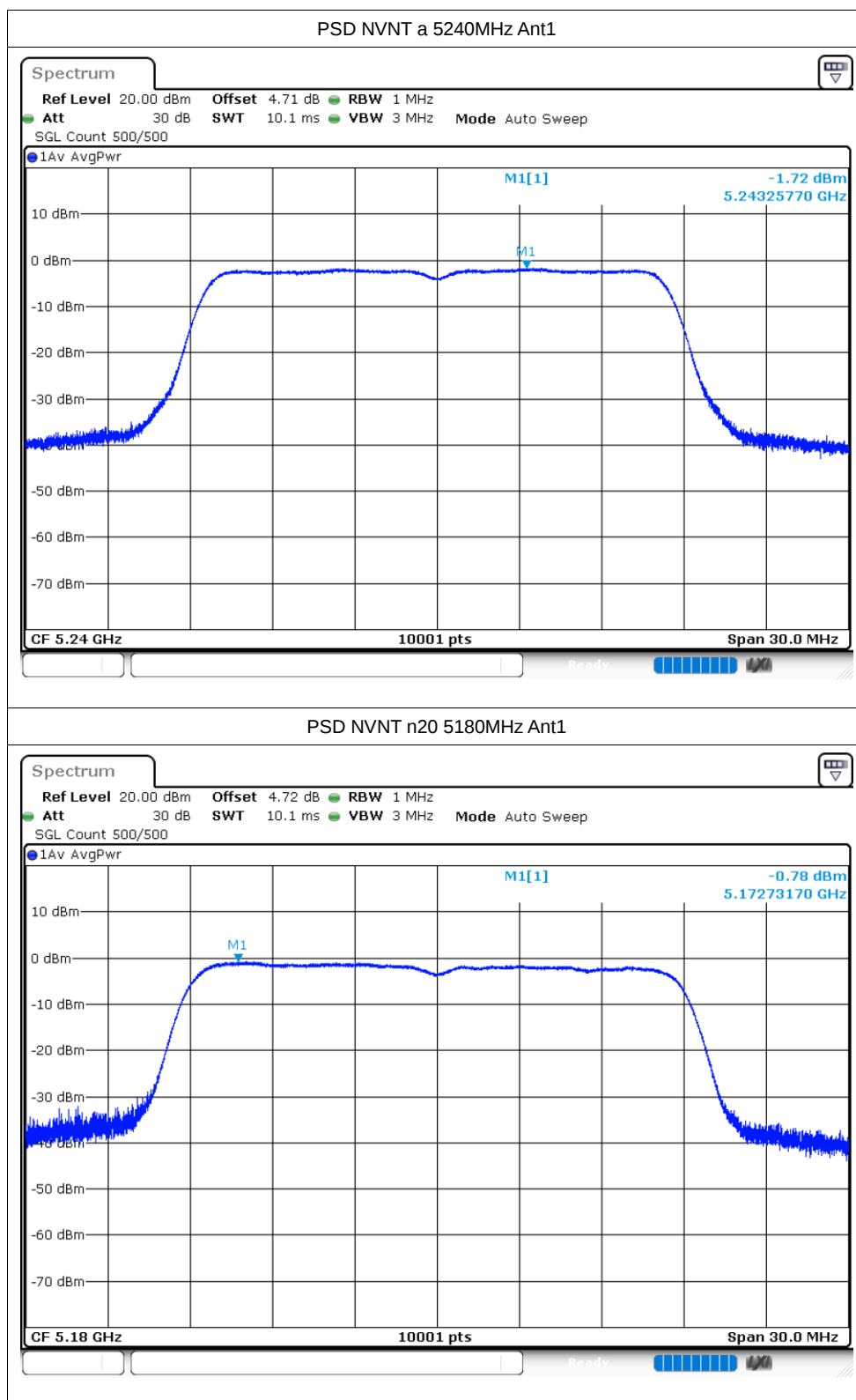
Test Graphs

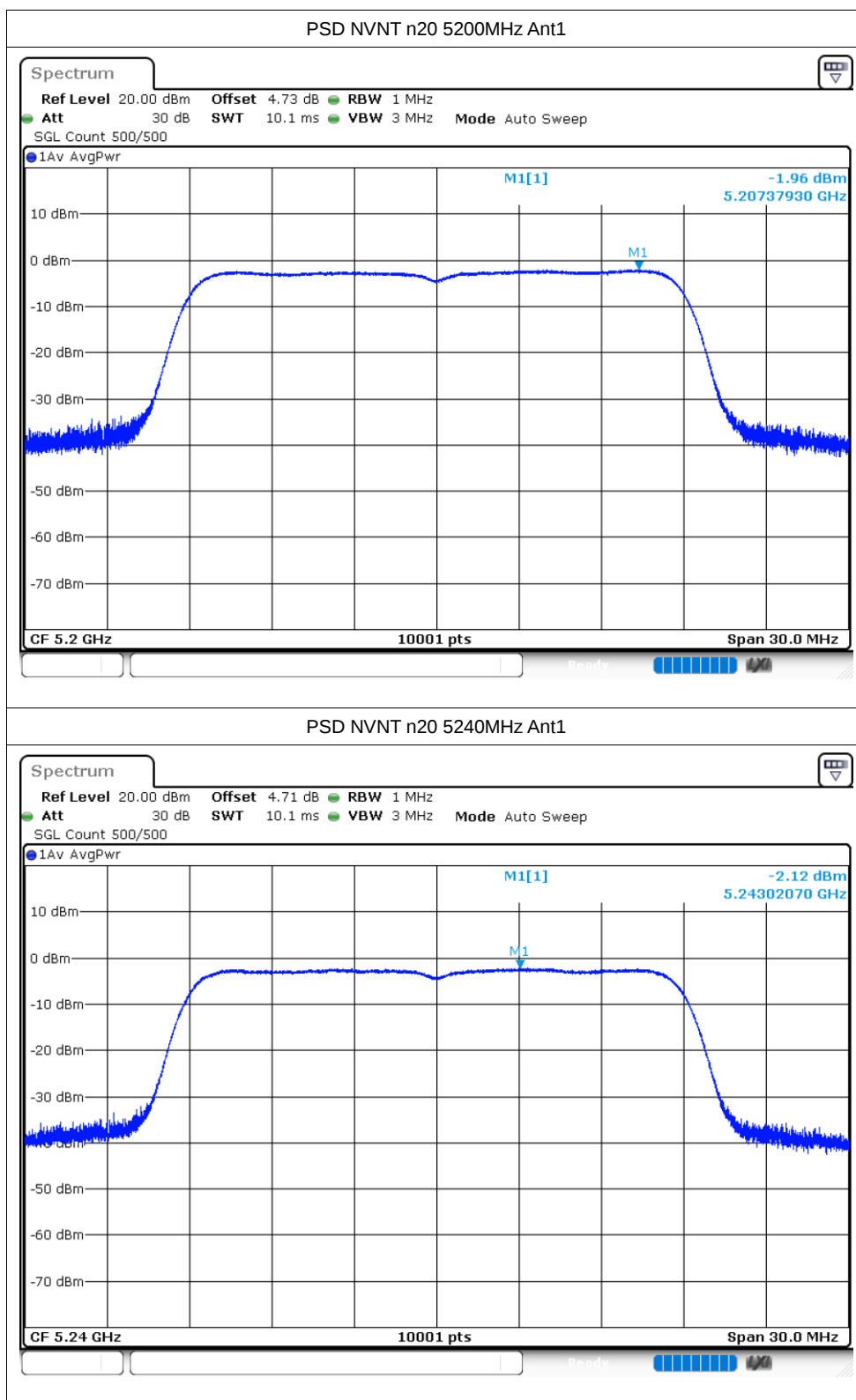
PSD NVNT a 5180MHz Ant1

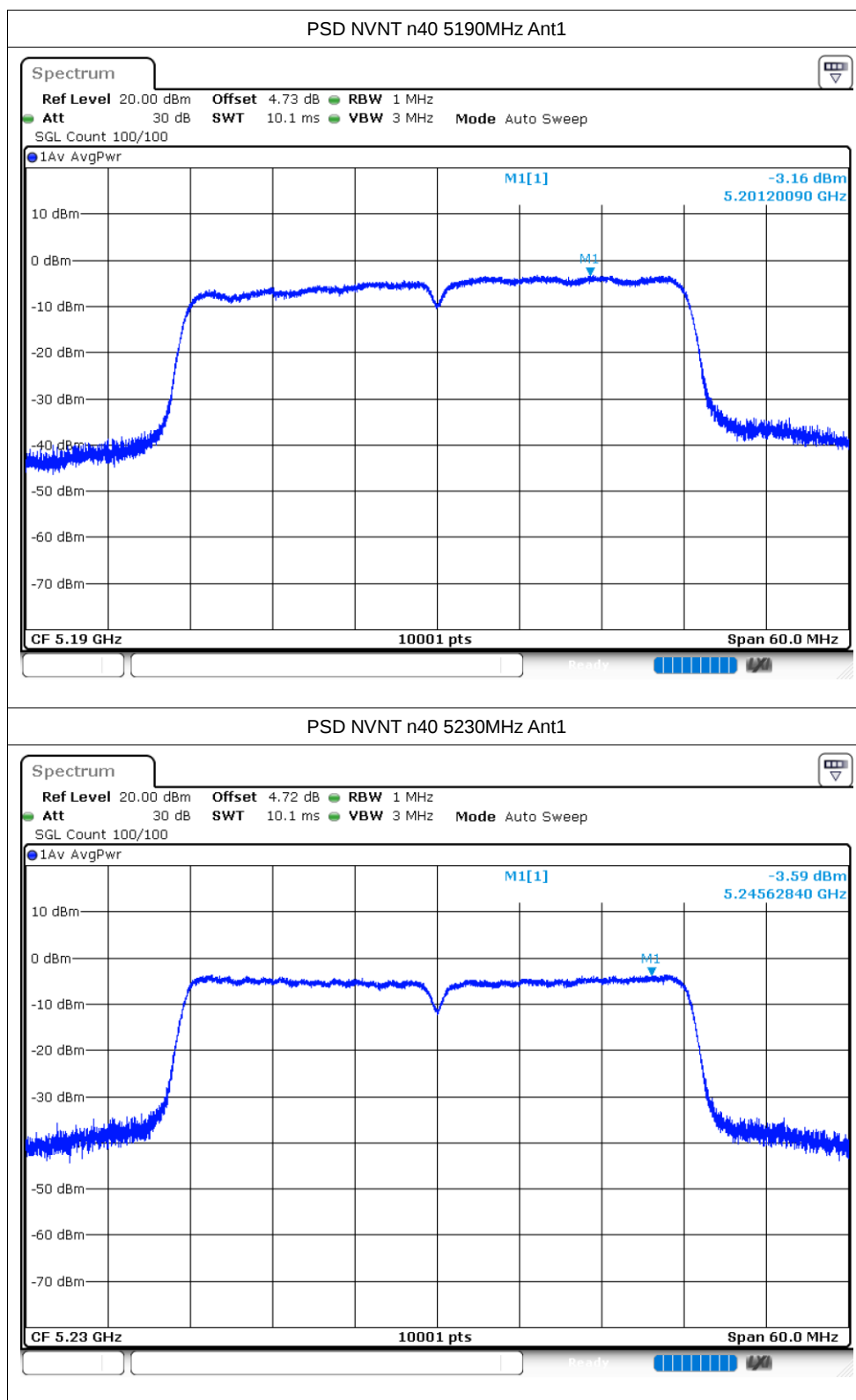


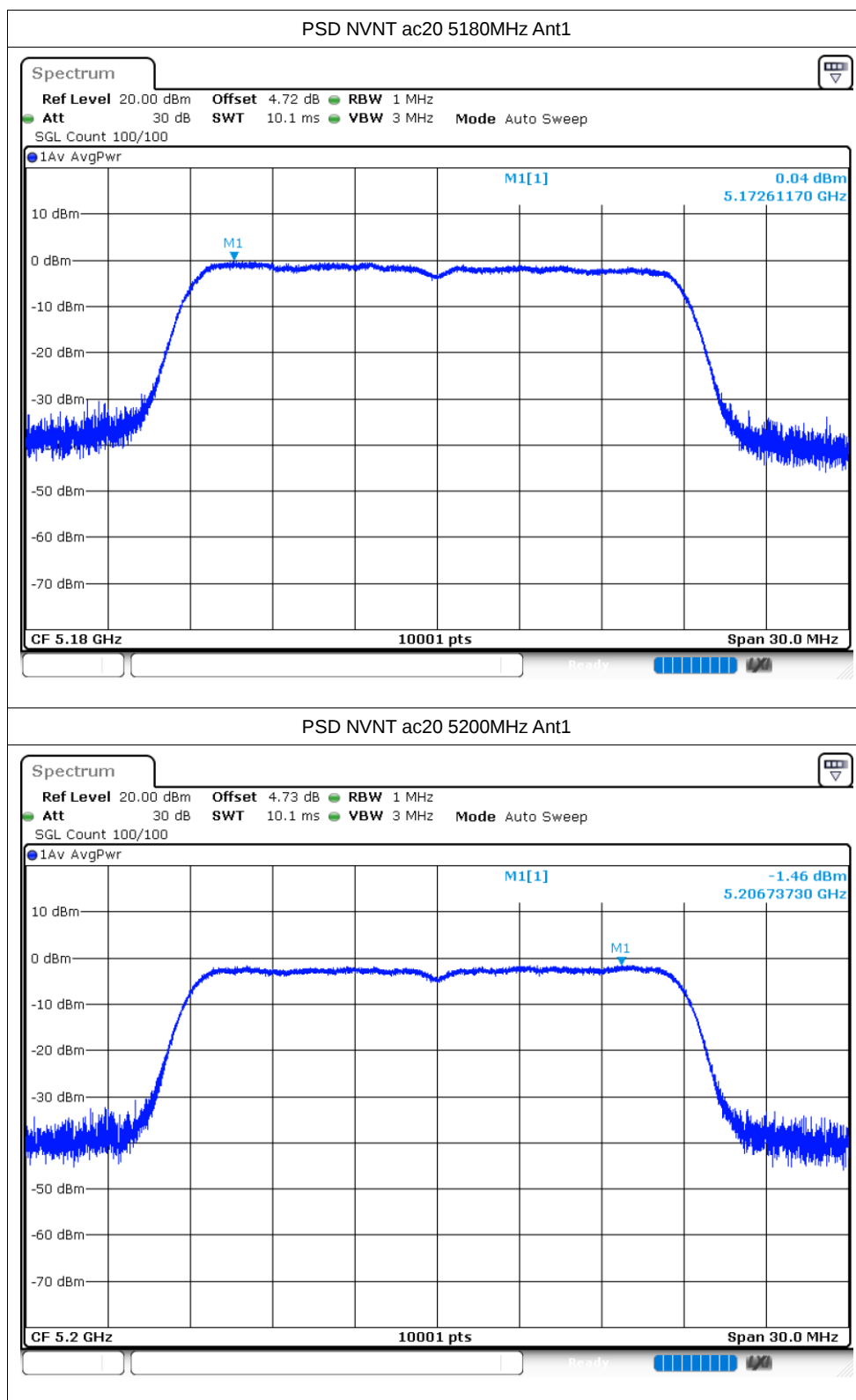
PSD NVNT a 5200MHz Ant1

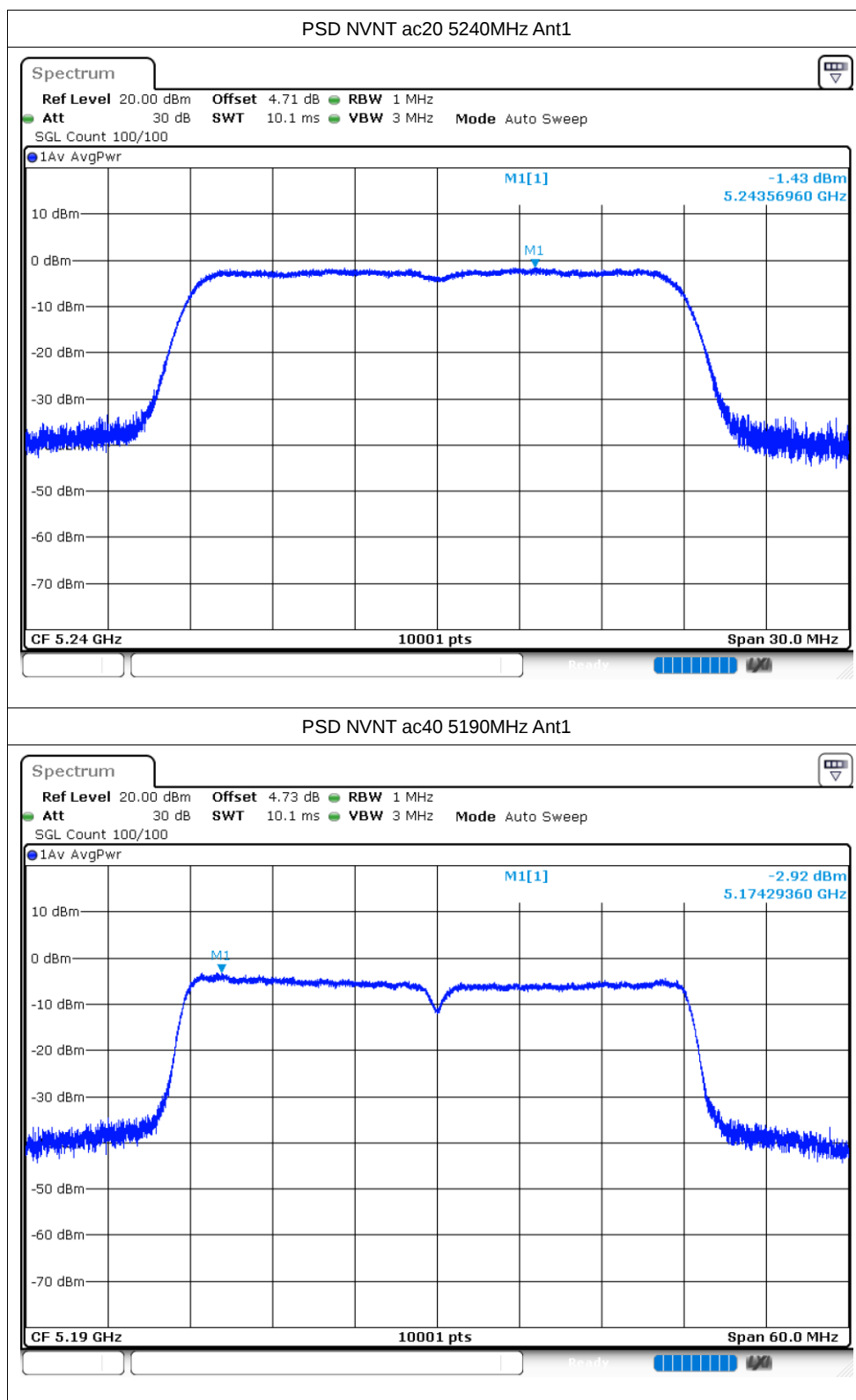


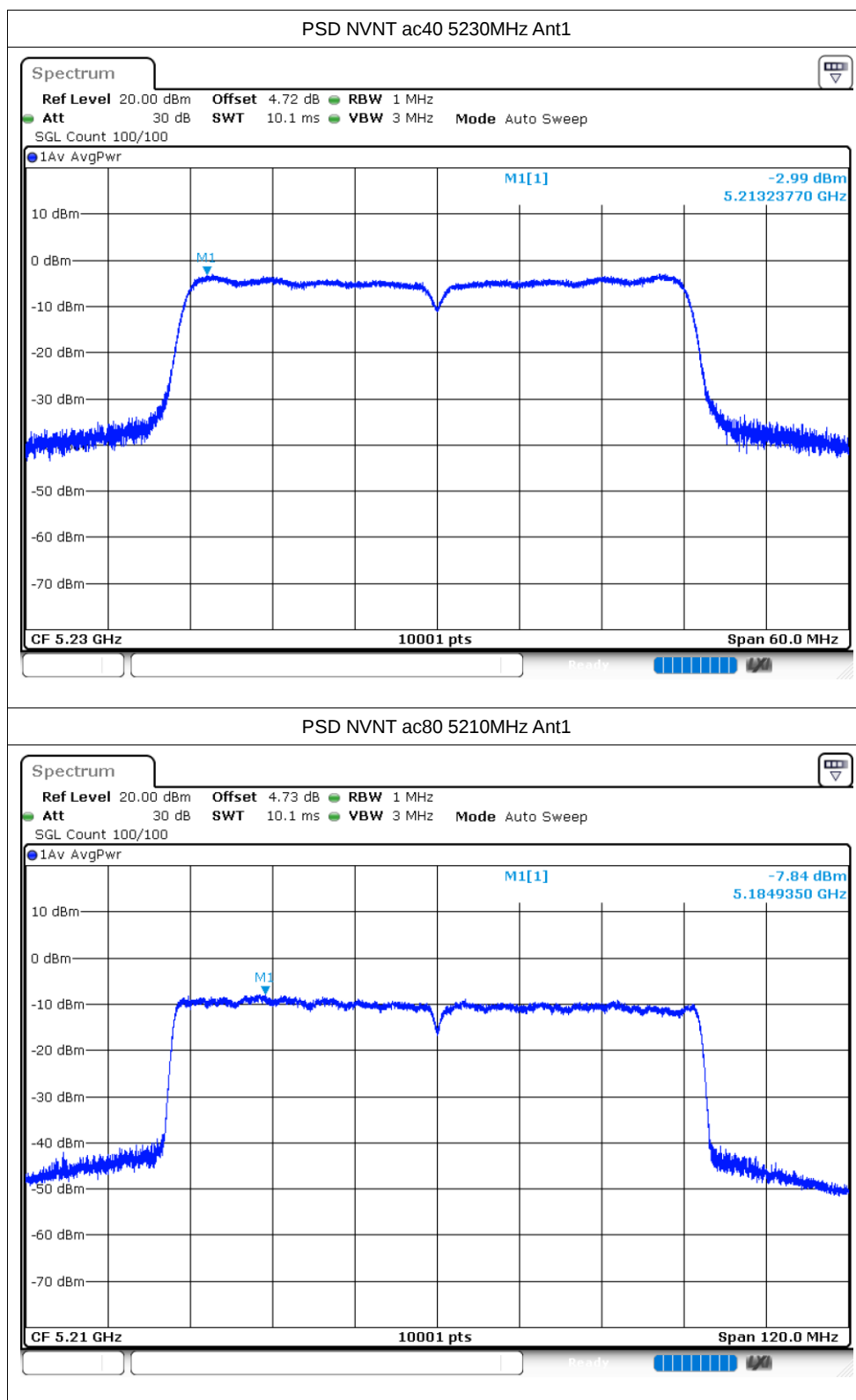






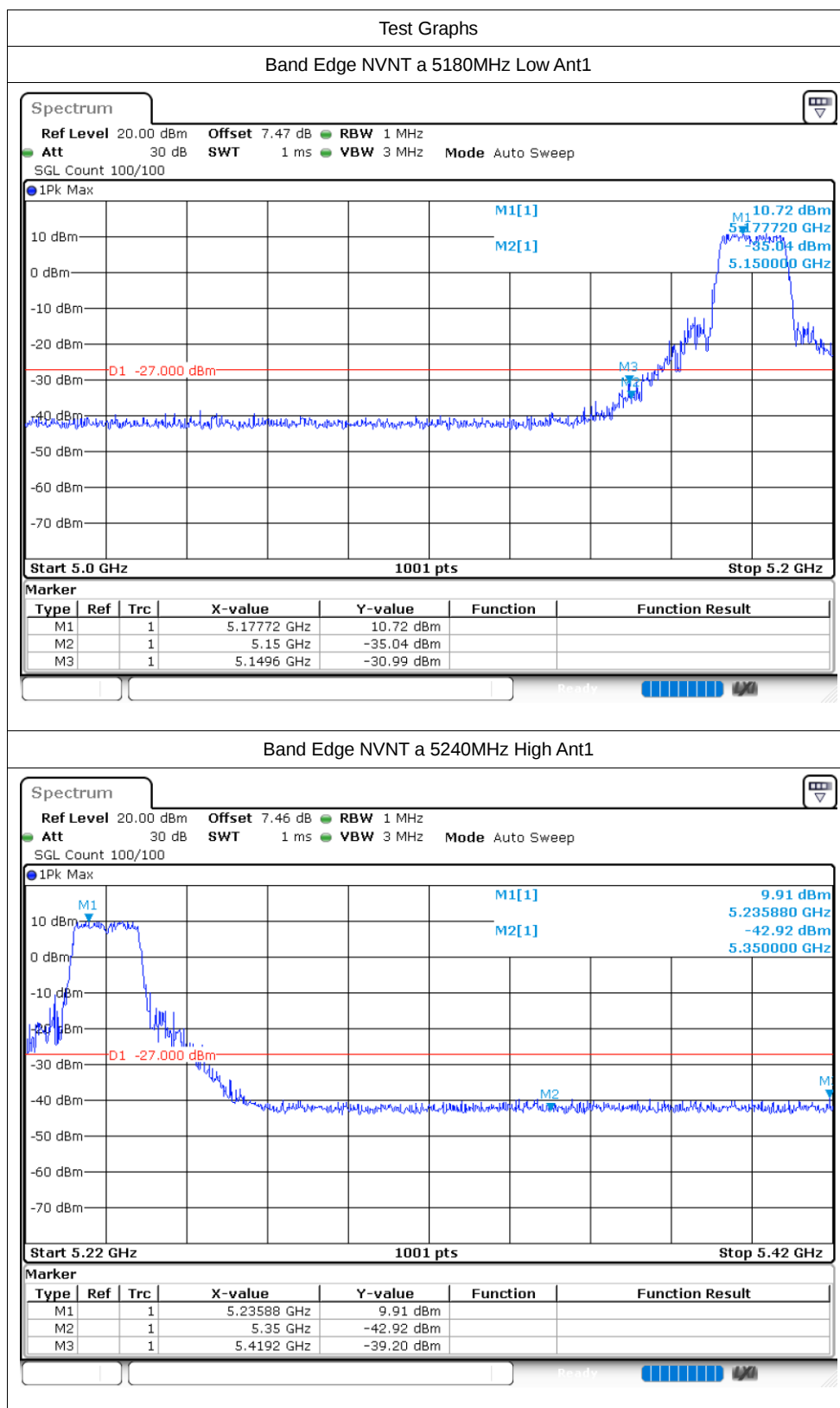


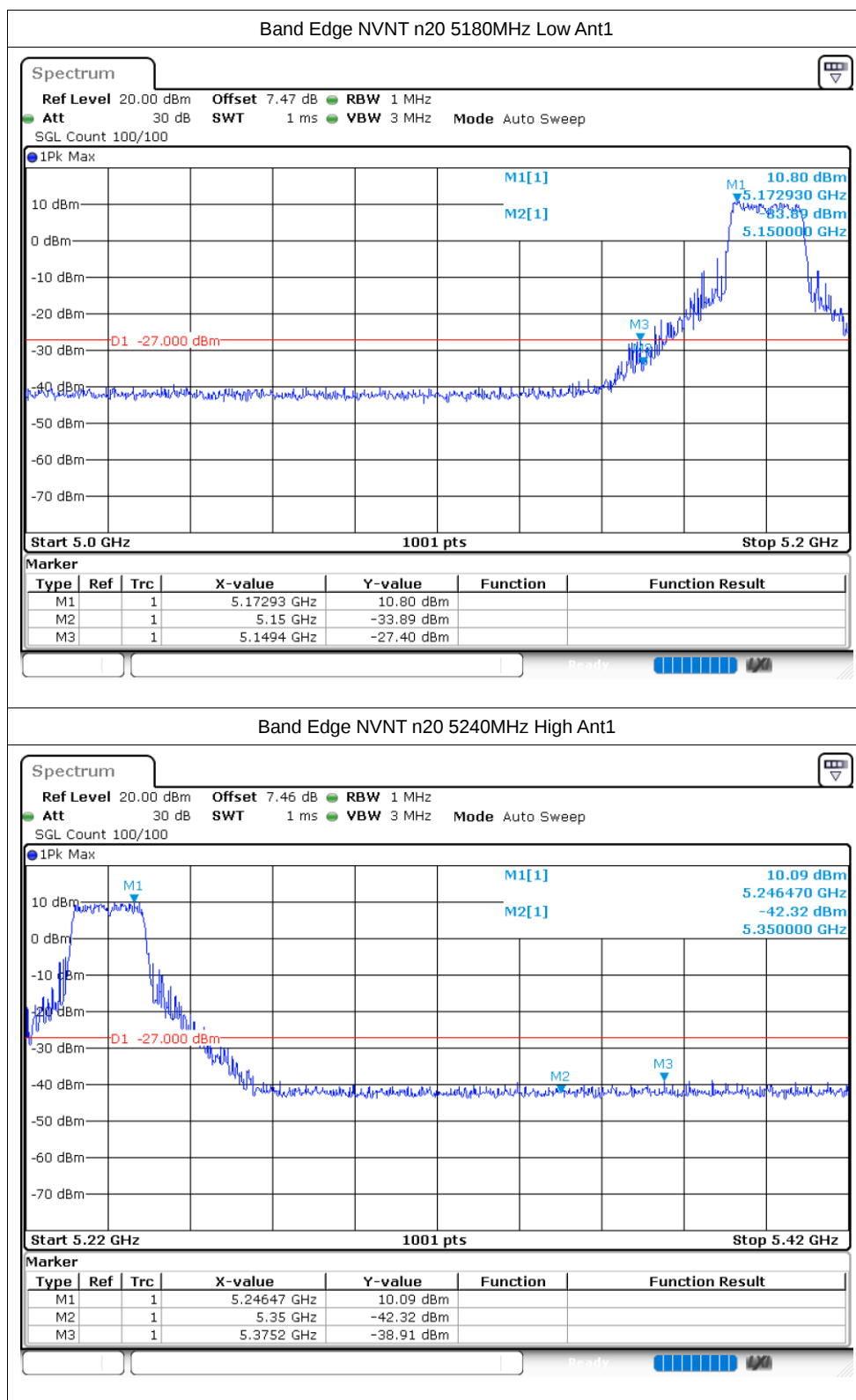


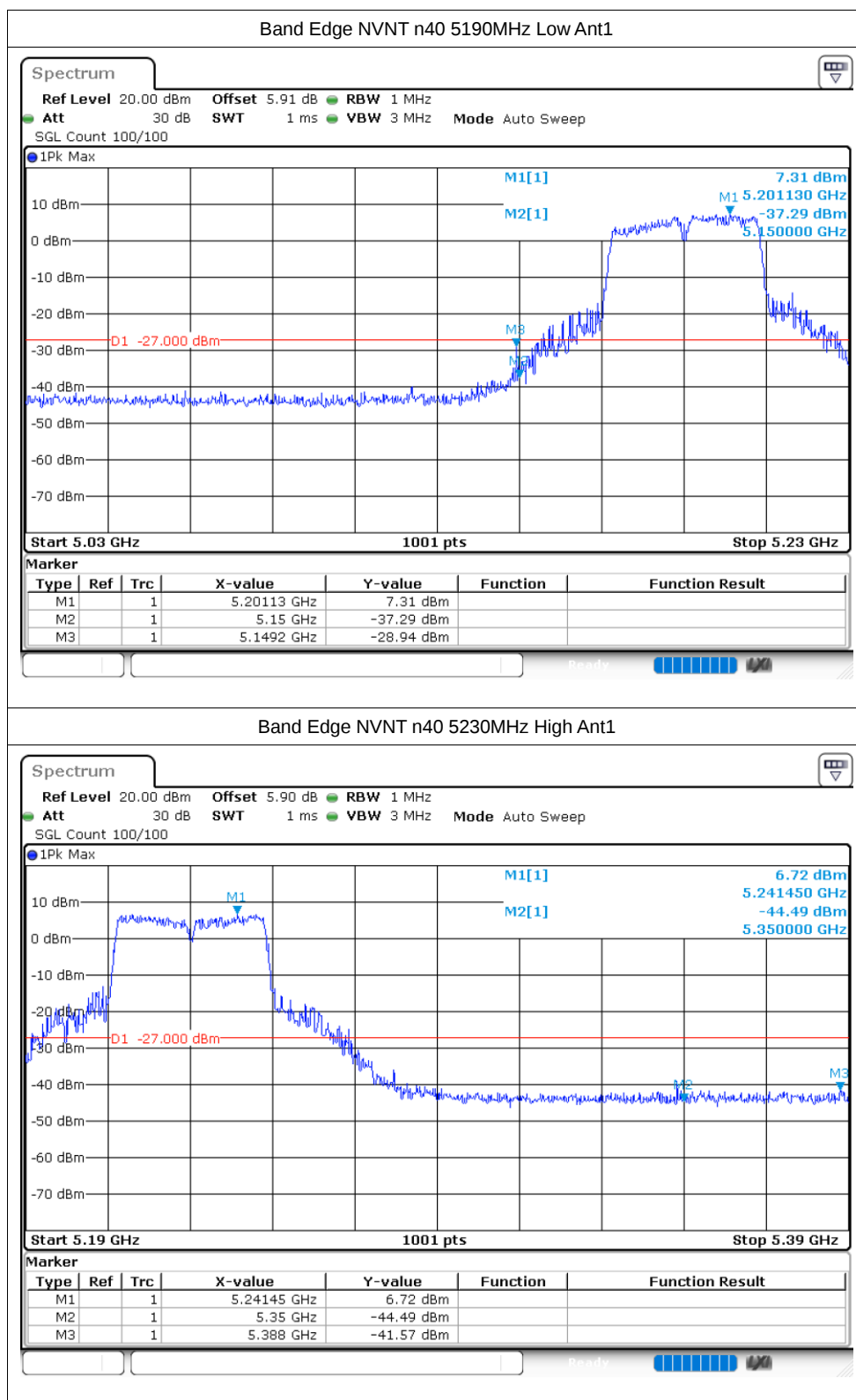


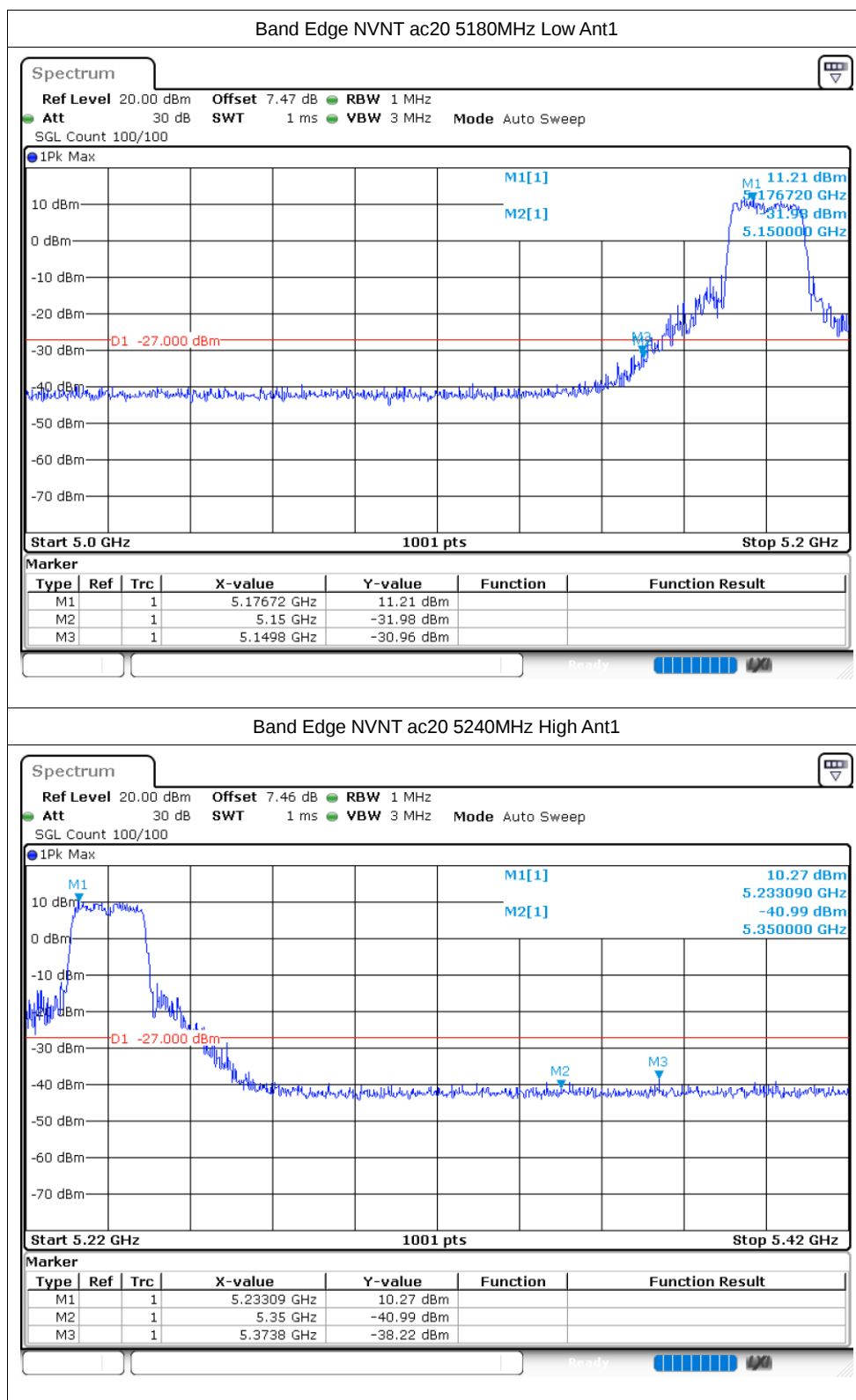
Band Edge

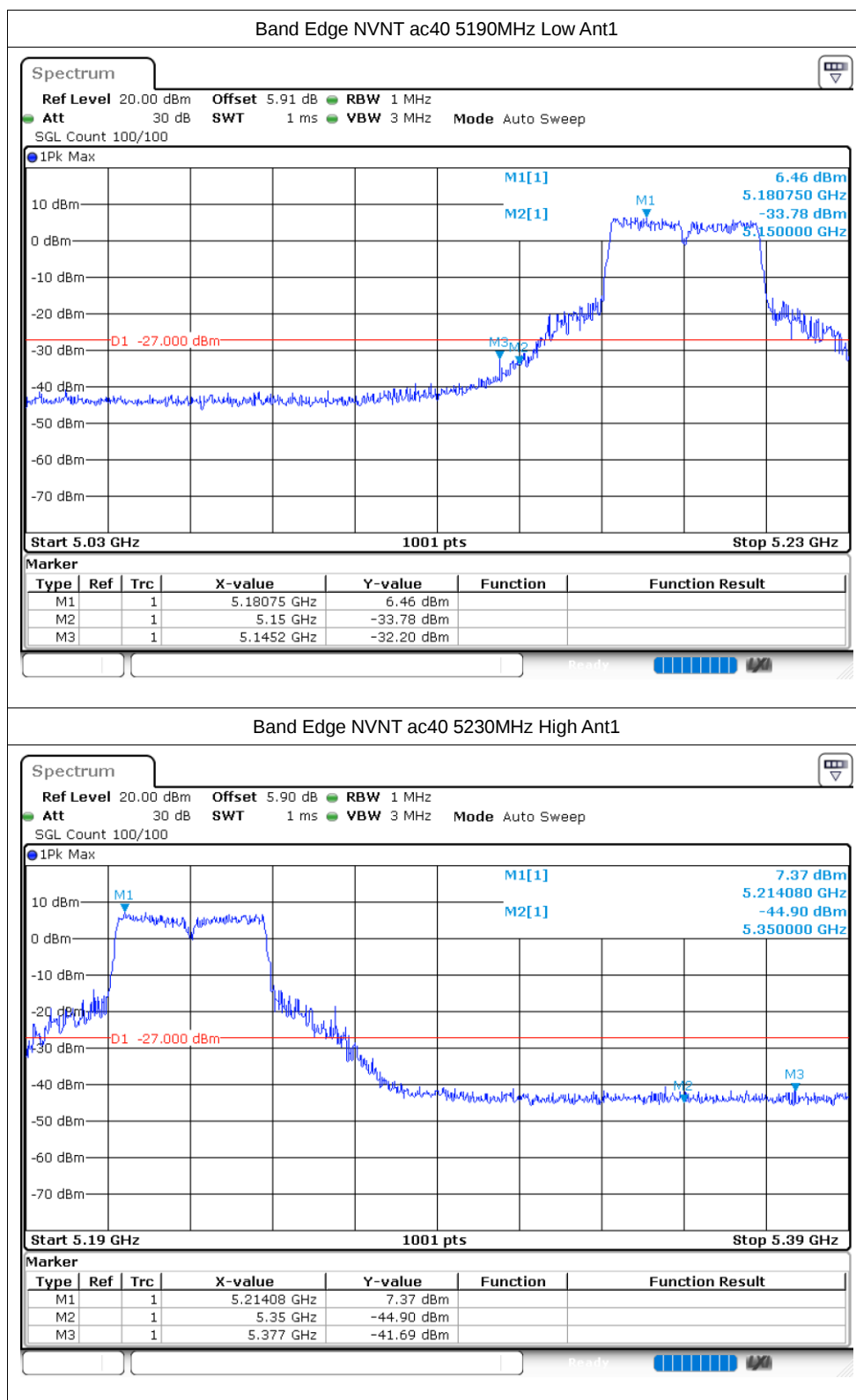
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-30.99	-27	Pass
NVNT	a	5240	Ant1	-39.19	-27	Pass
NVNT	n20	5180	Ant1	-27.4	-27	Pass
NVNT	n20	5240	Ant1	-38.91	-27	Pass
NVNT	n40	5190	Ant1	-28.93	-27	Pass
NVNT	n40	5230	Ant1	-41.57	-27	Pass
NVNT	ac20	5180	Ant1	-30.96	-27	Pass
NVNT	ac20	5240	Ant1	-38.22	-27	Pass
NVNT	ac40	5190	Ant1	-32.19	-27	Pass
NVNT	ac40	5230	Ant1	-41.69	-27	Pass
NVNT	ac80	5210	Ant1	-39.76	-27	Pass
NVNT	ac80	5210	Ant1	-32.88	-27	Pass

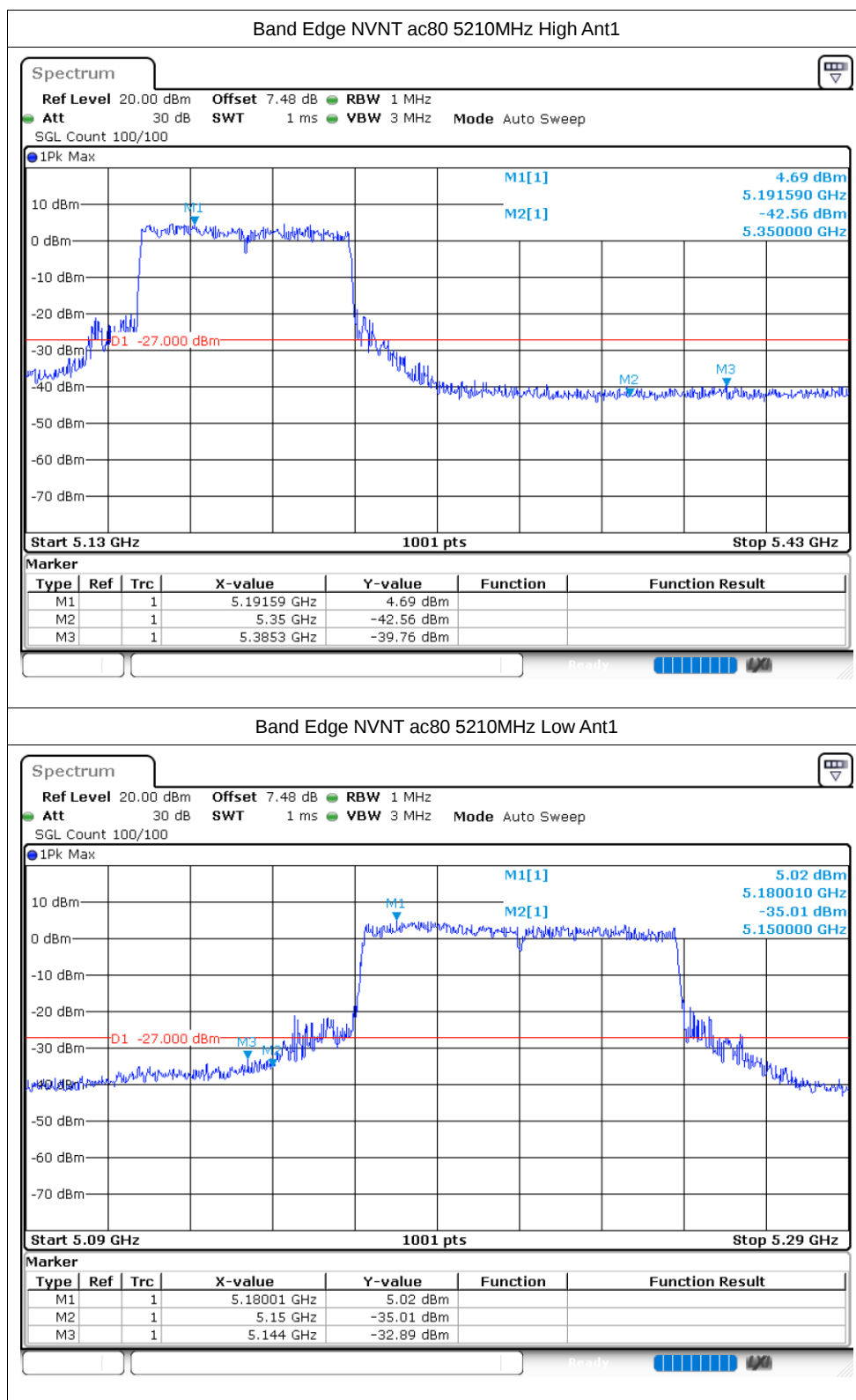










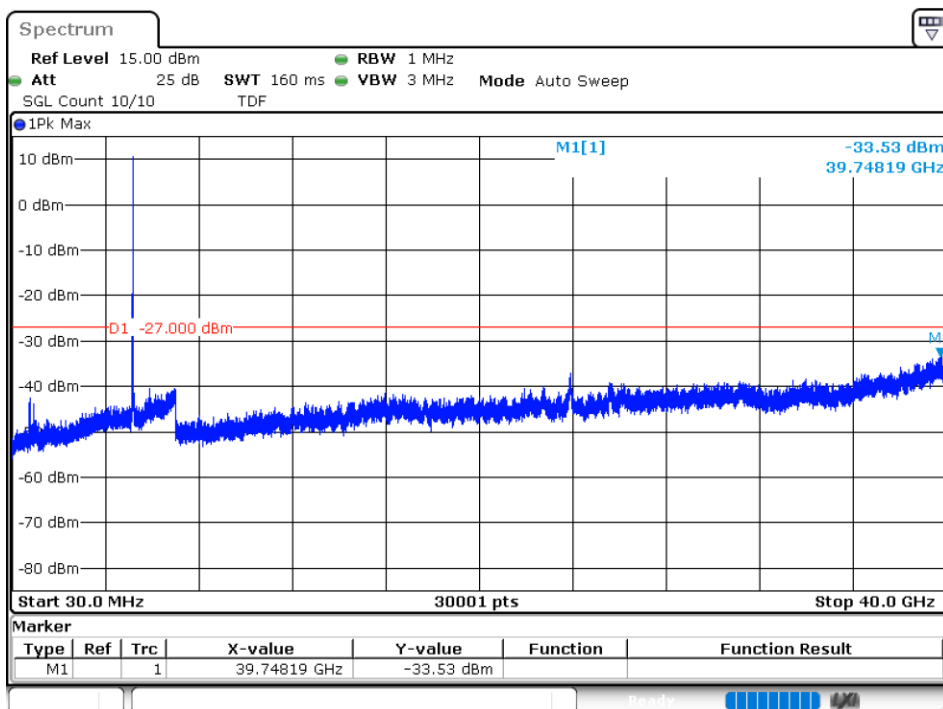


Conducted RF Spurious Emission

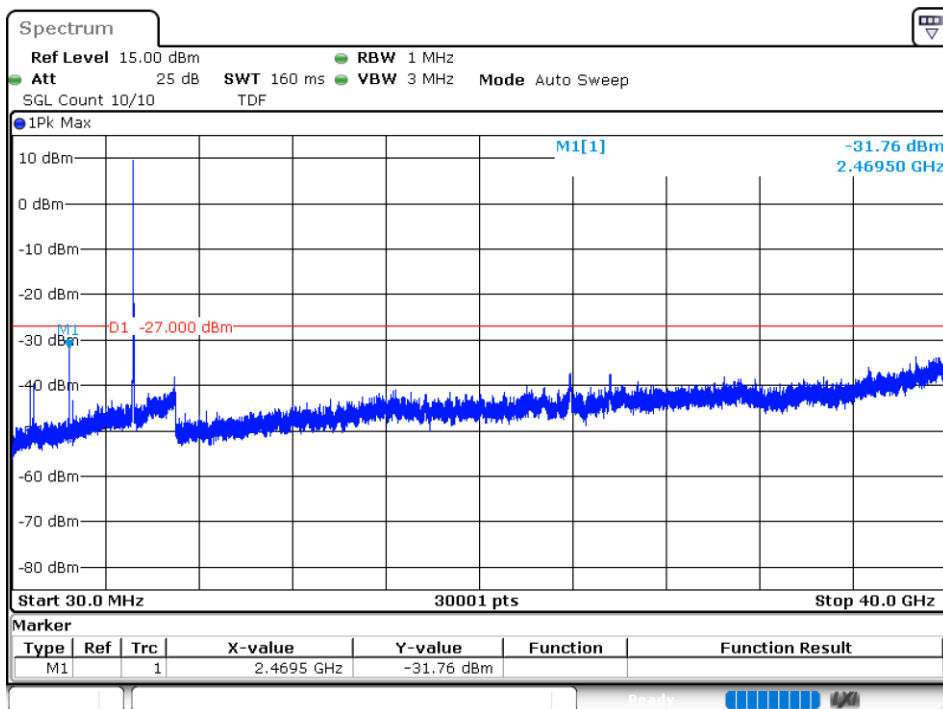
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-33.53	-27	Pass
NVNT	a	5200	Ant1	-31.75	-27	Pass
NVNT	a	5240	Ant1	-33.03	-27	Pass
NVNT	n20	5180	Ant1	-32.19	-27	Pass
NVNT	n20	5200	Ant1	-32.1	-27	Pass
NVNT	n20	5240	Ant1	-32.28	-27	Pass
NVNT	n40	5190	Ant1	-34.75	-27	Pass
NVNT	n40	5230	Ant1	-35.4	-27	Pass
NVNT	ac20	5180	Ant1	-32.97	-27	Pass
NVNT	ac20	5200	Ant1	-33.29	-27	Pass
NVNT	ac20	5240	Ant1	-33.29	-27	Pass
NVNT	ac40	5190	Ant1	-34.47	-27	Pass
NVNT	ac40	5230	Ant1	-34.77	-27	Pass
NVNT	ac80	5210	Ant1	-32.54	-27	Pass

Test Graphs

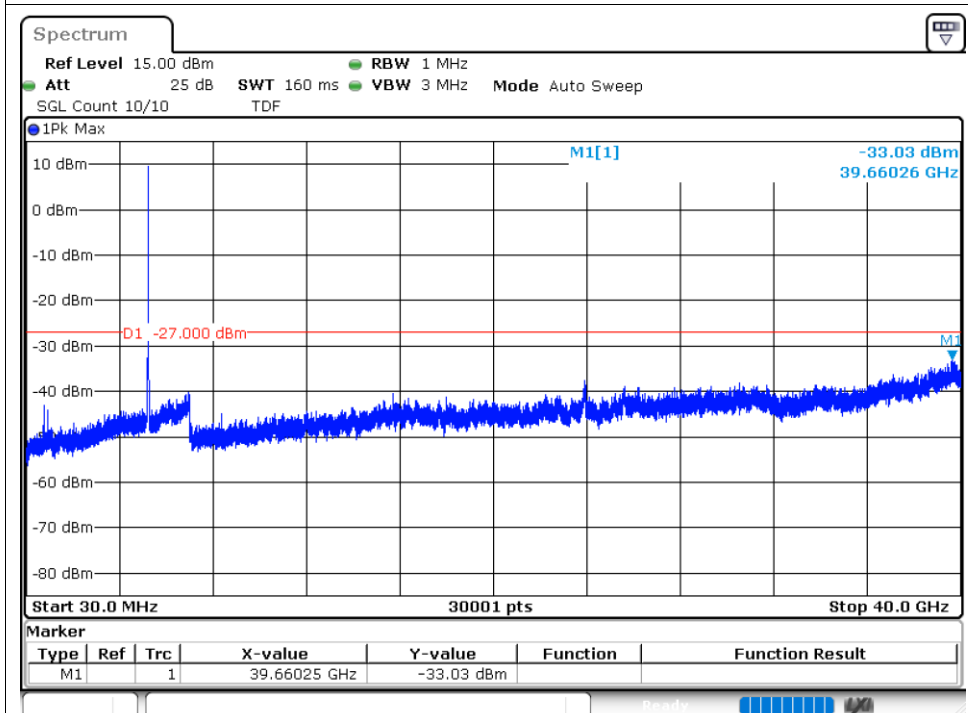
Tx. Spurious NVNT a 5180MHz Ant1 Emission



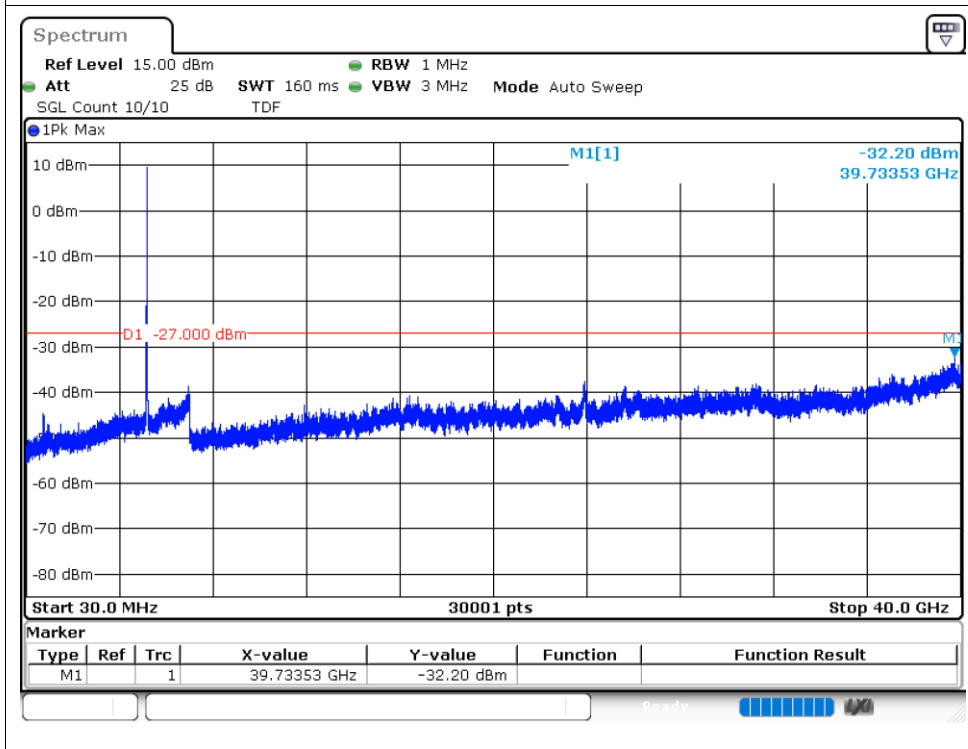
Tx. Spurious NVNT a 5200MHz Ant1 Emission

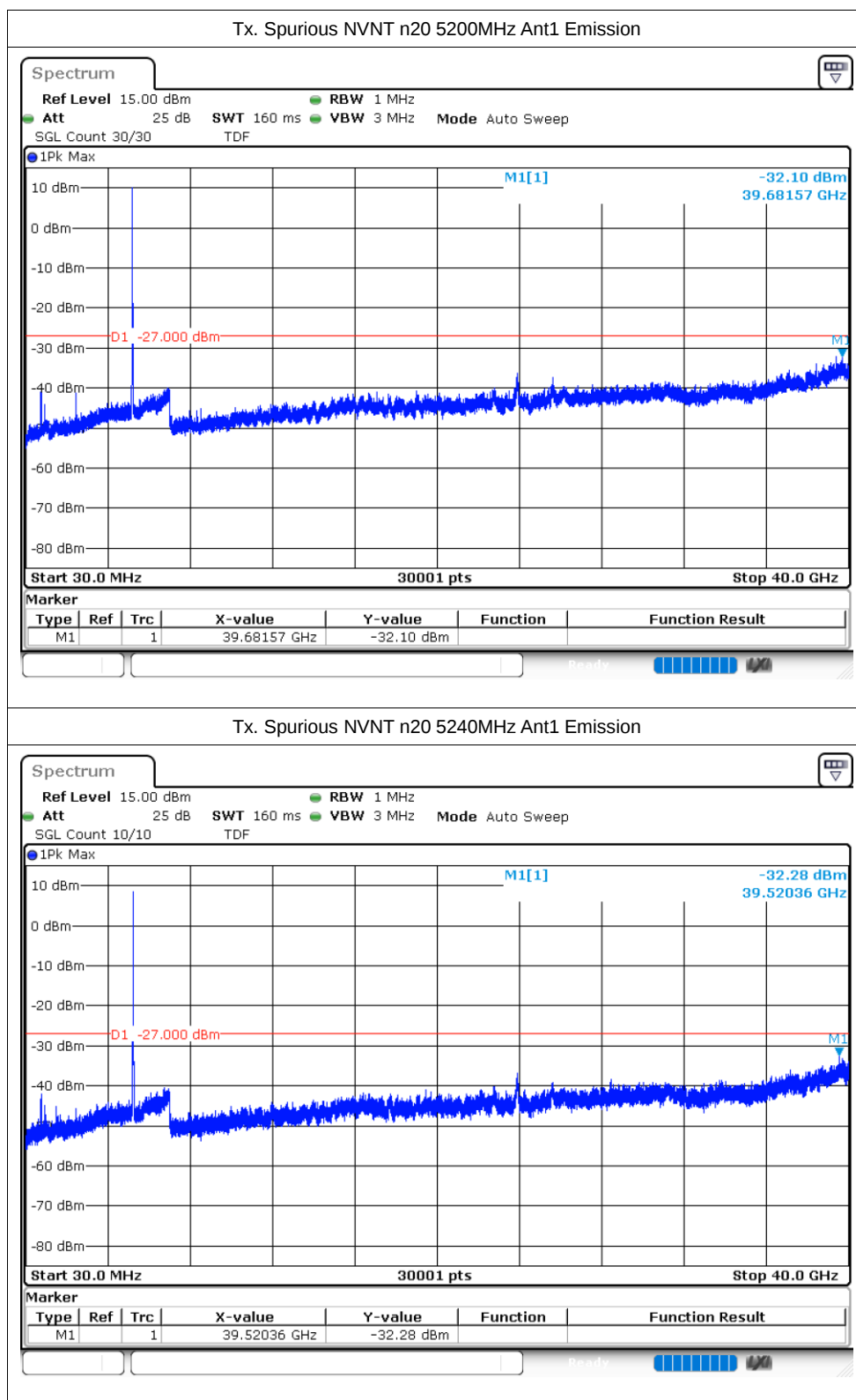


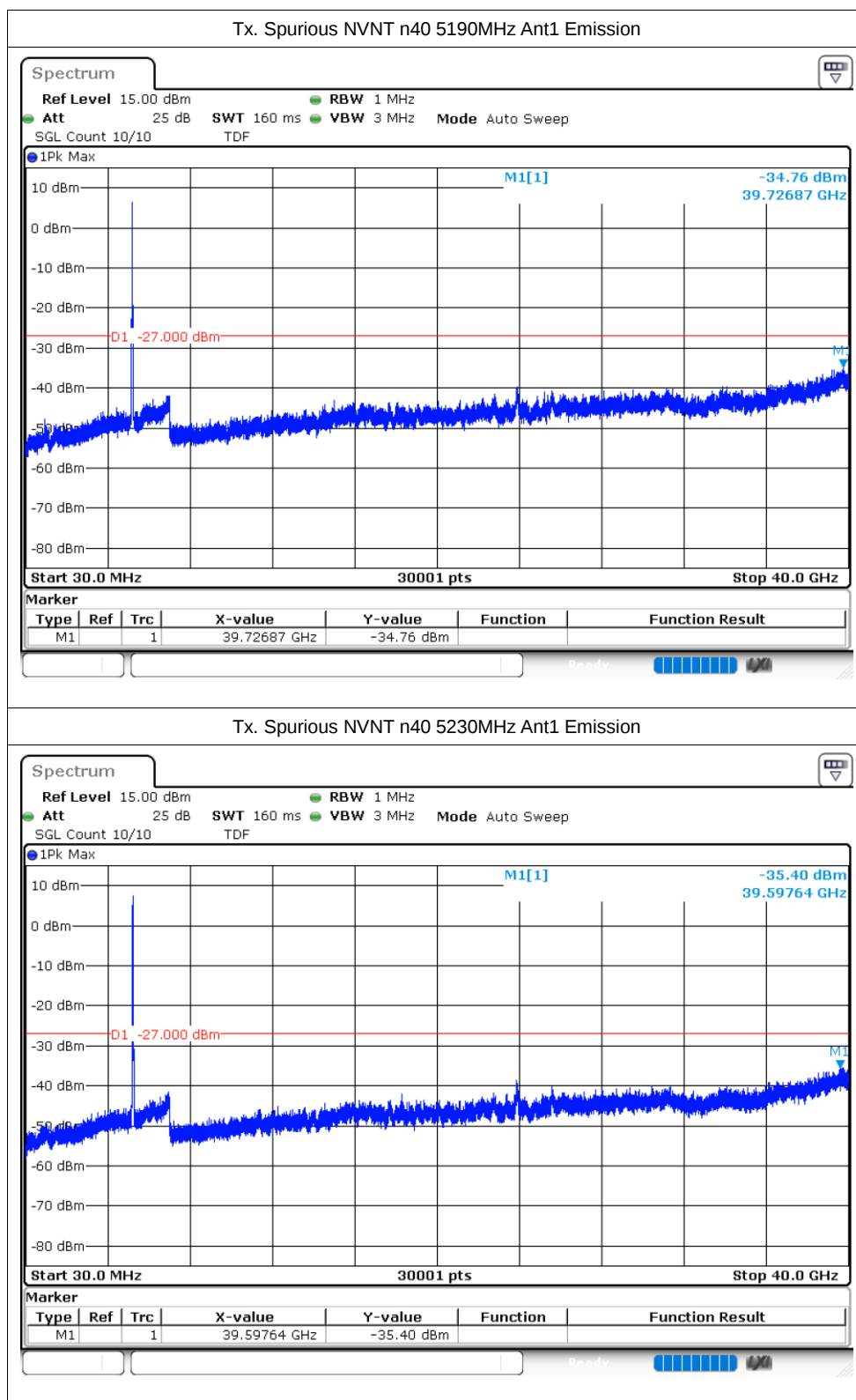
Tx. Spurious NVNT a 5240MHz Ant1 Emission

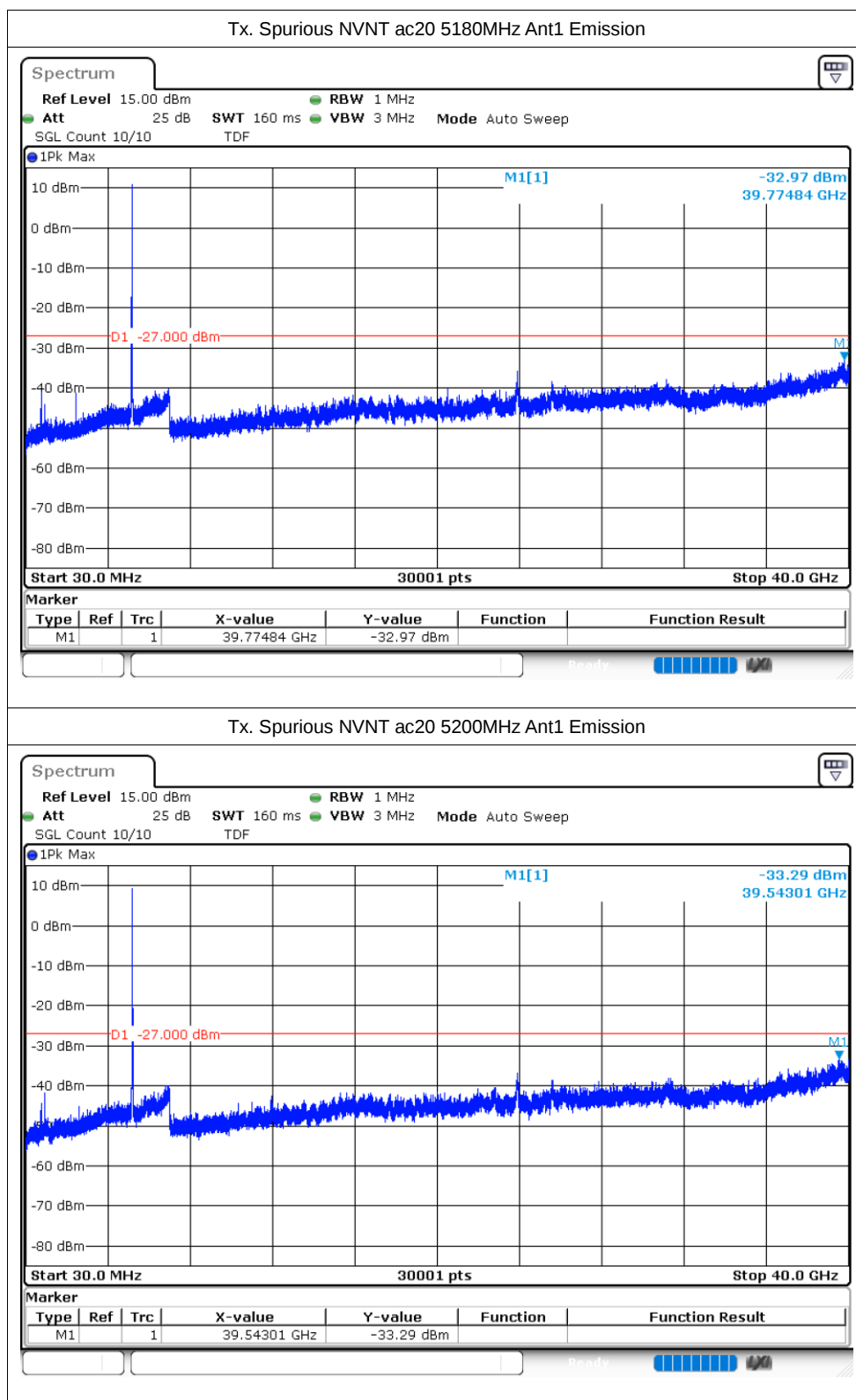


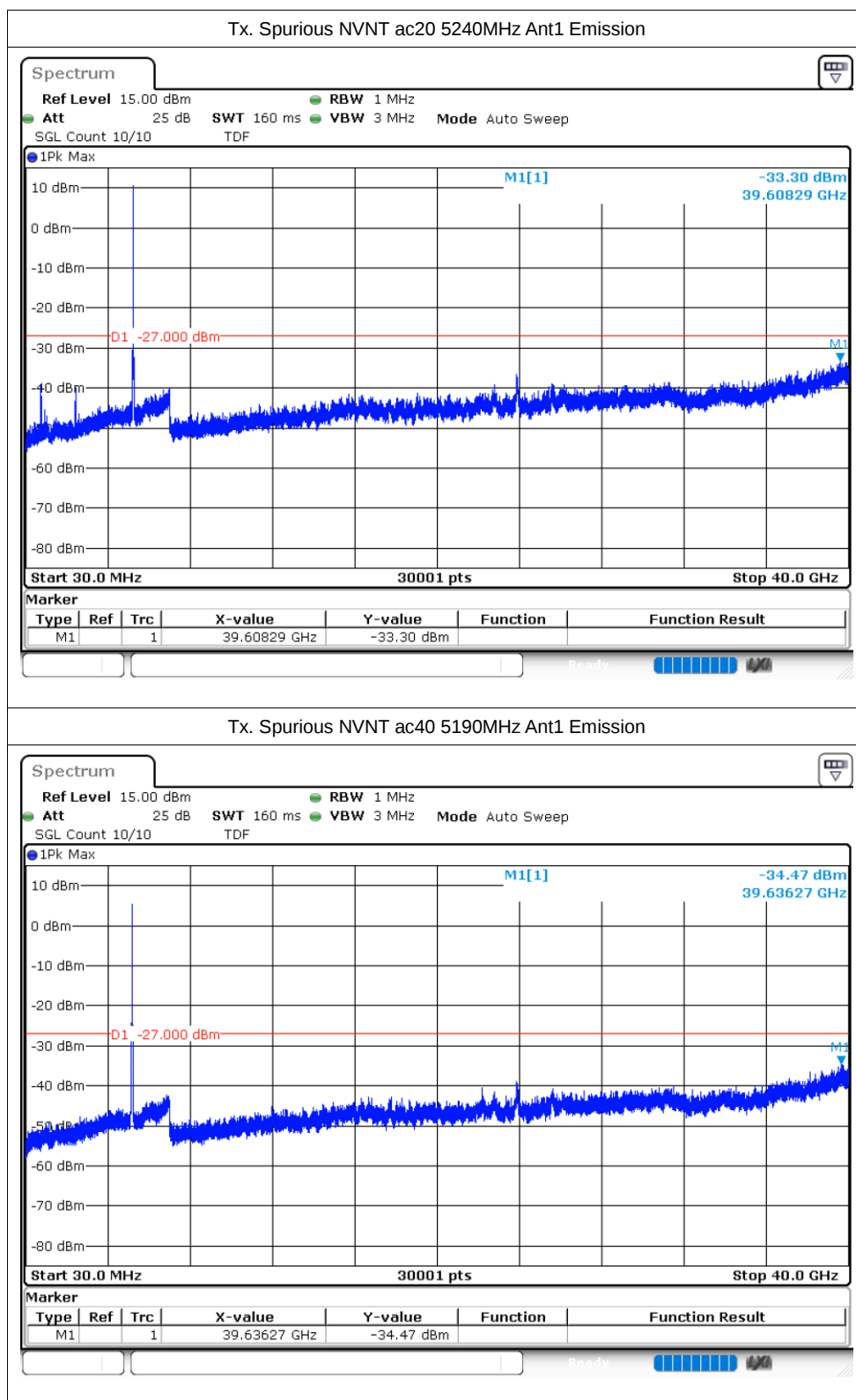
Tx. Spurious NVNT n20 5180MHz Ant1 Emission

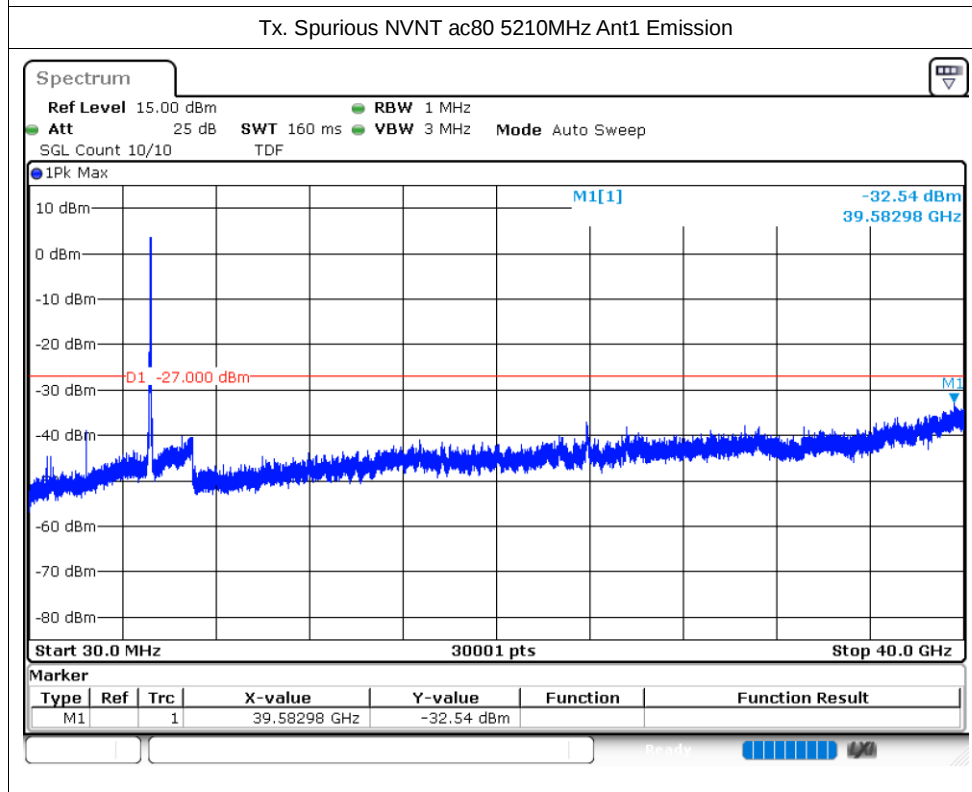
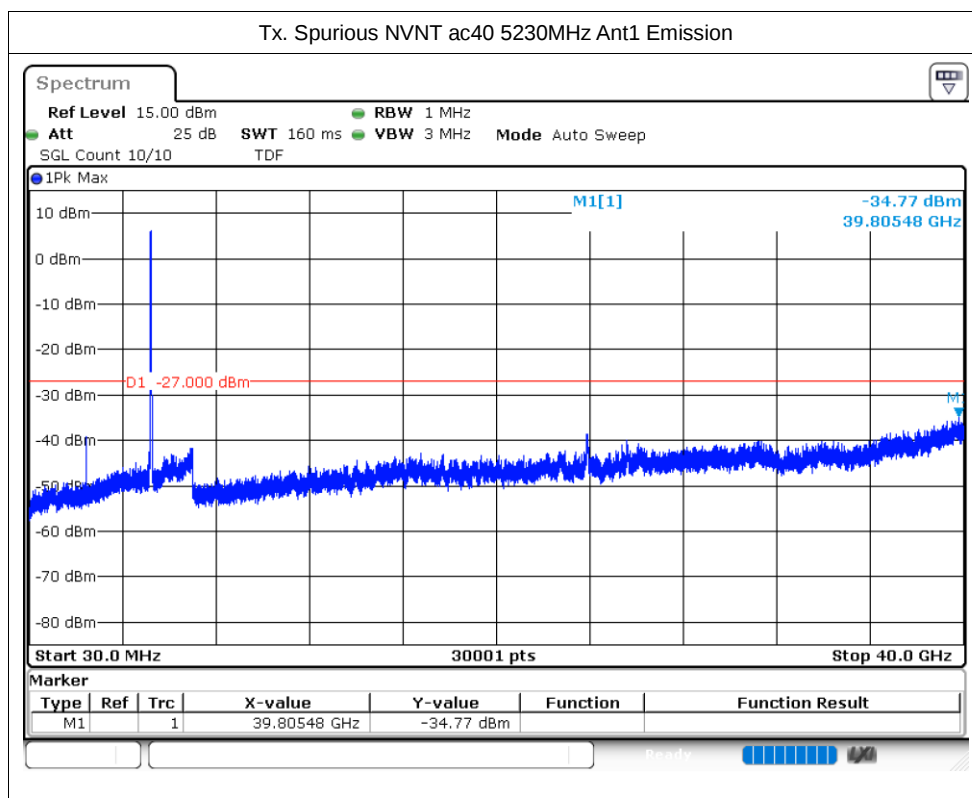








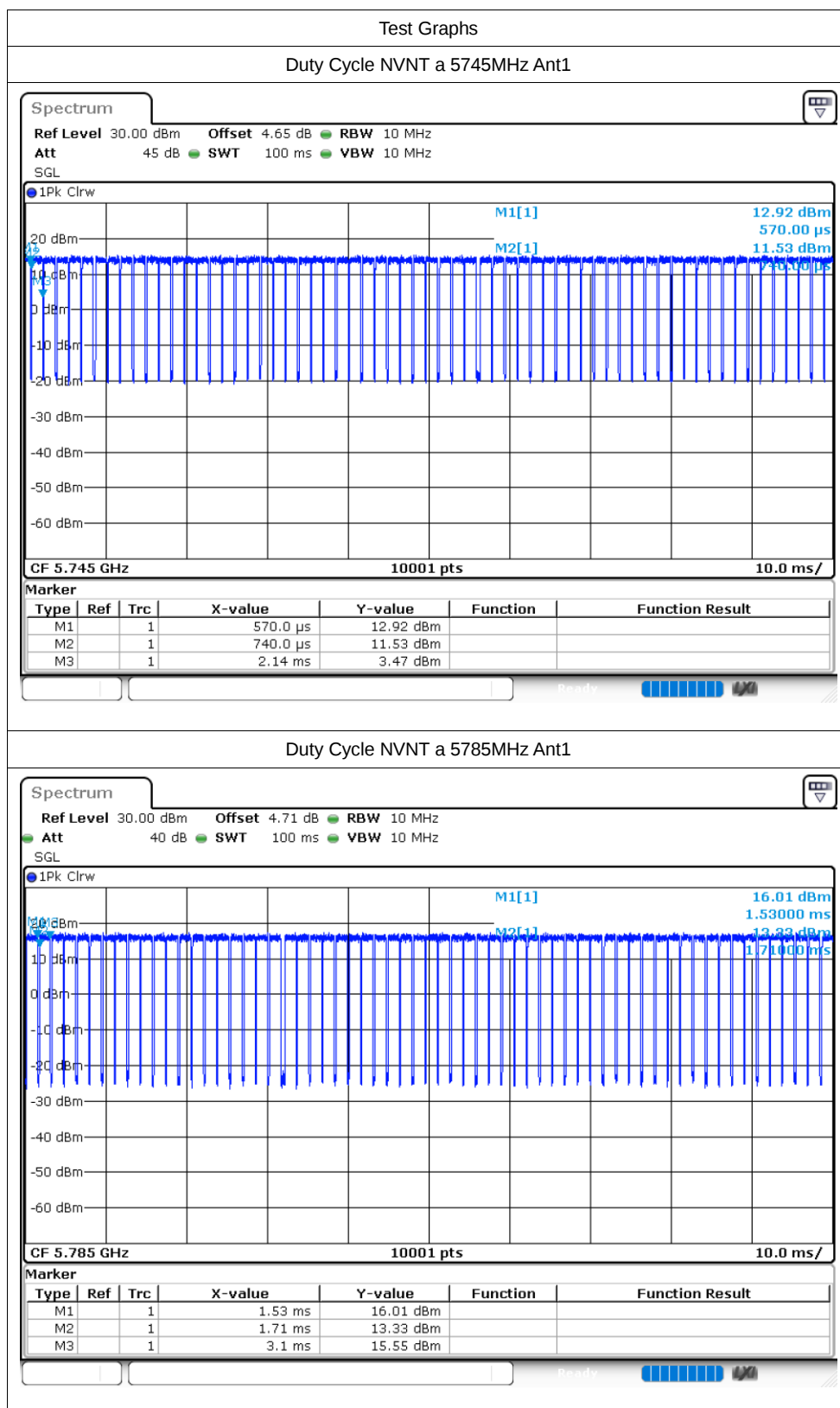


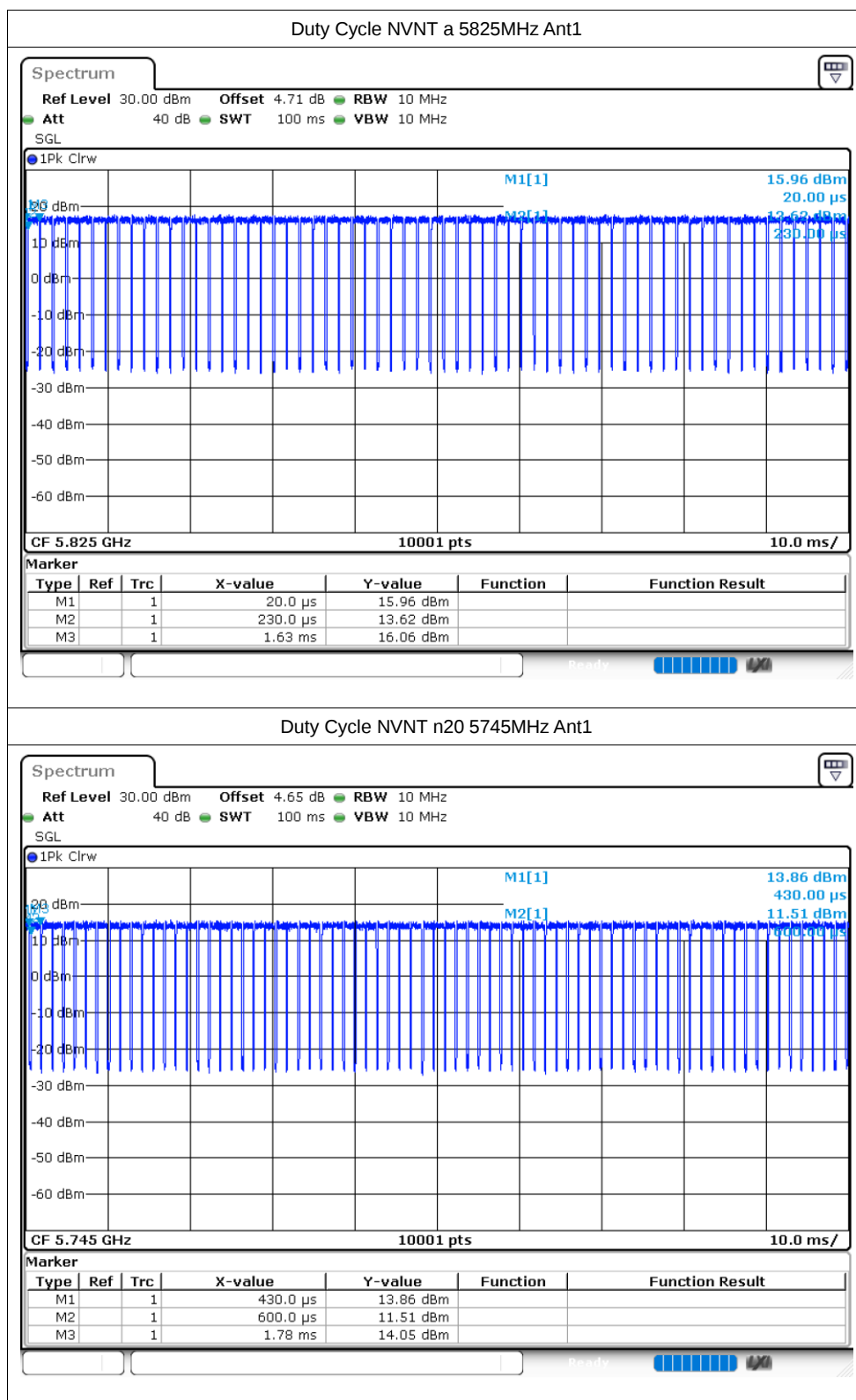


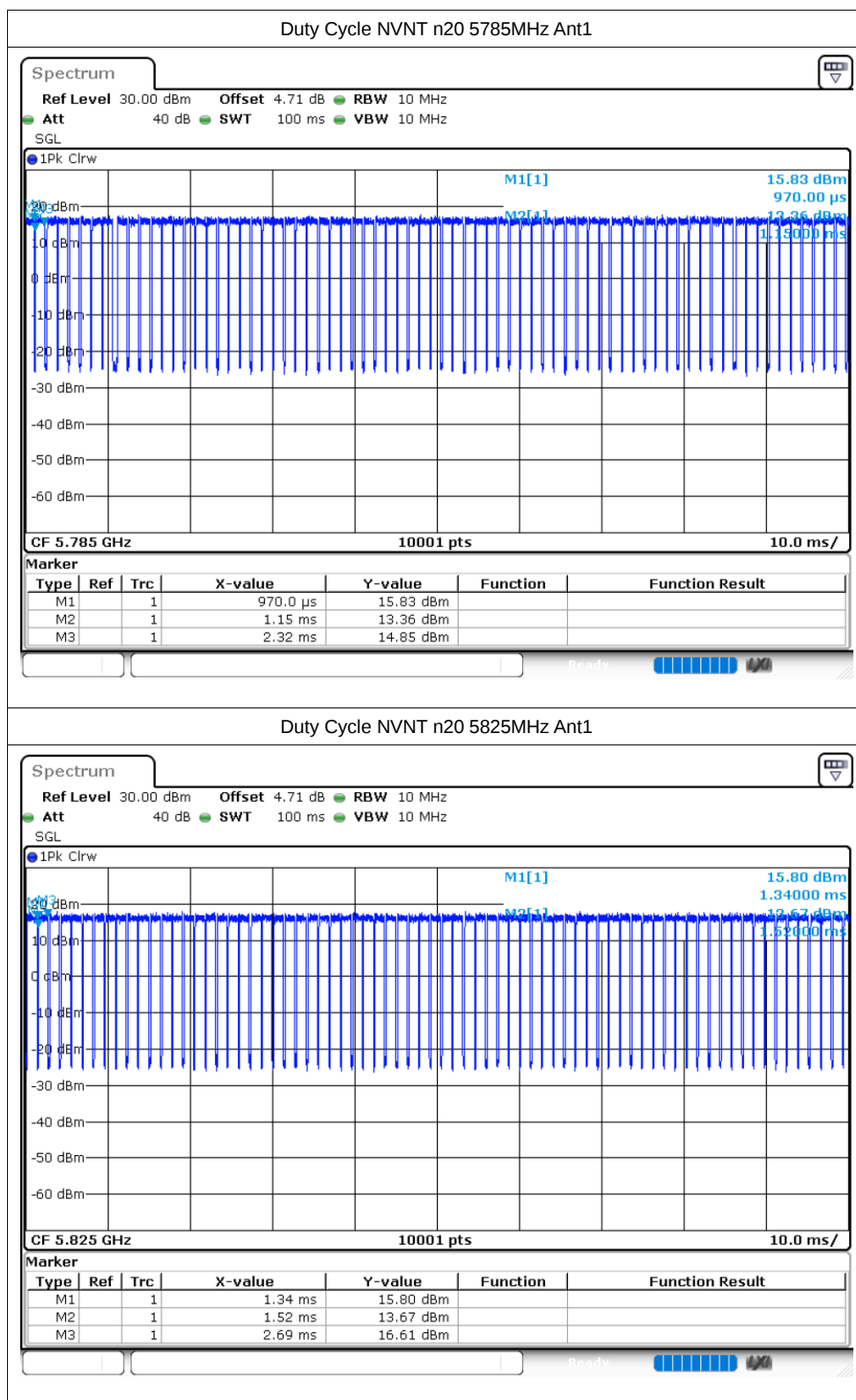
WIFI 5.8G

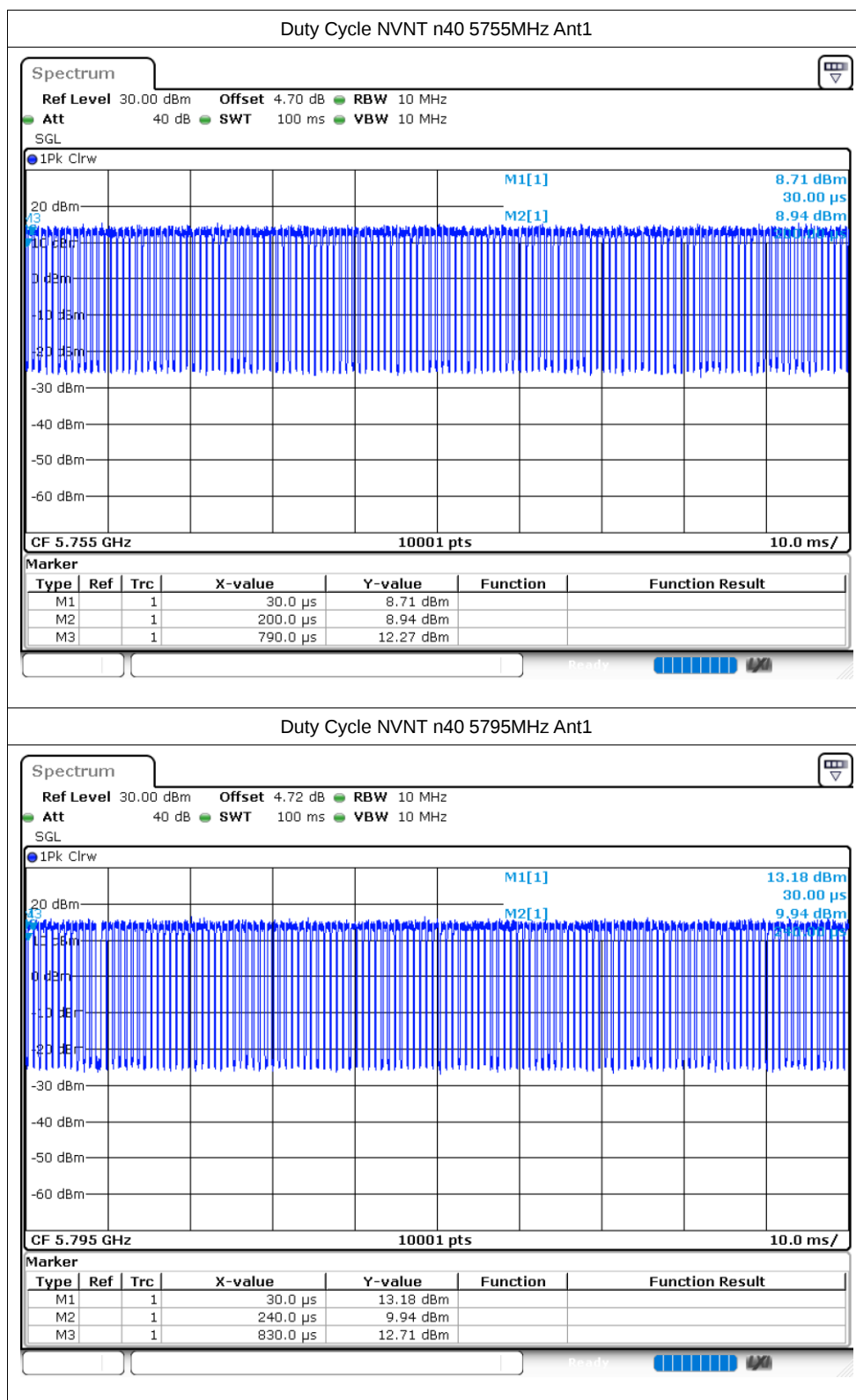
Duty Cycle

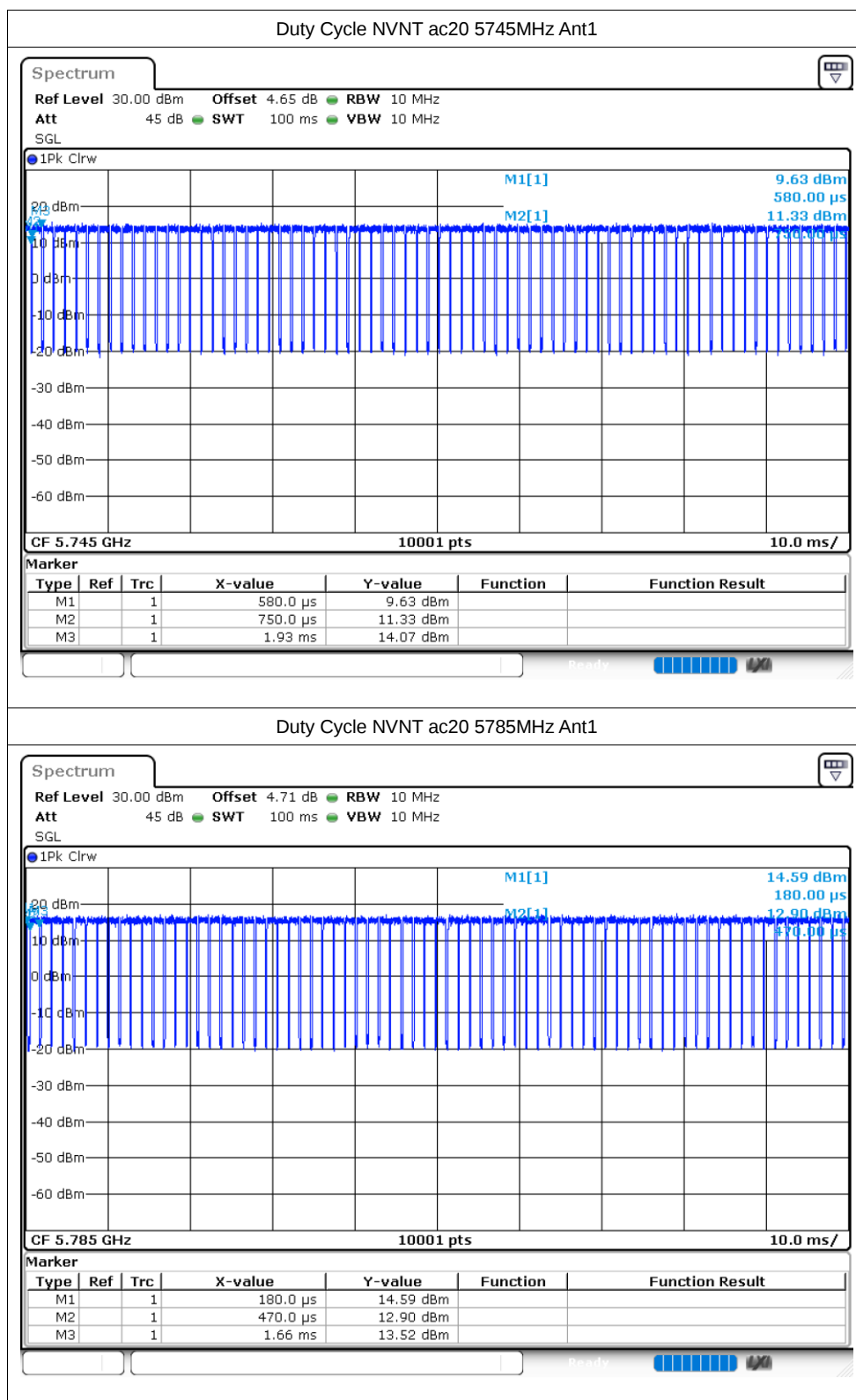
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	88.45	0.53	0.71
NVNT	a	5785	Ant1	88.27	0.54	0.72
NVNT	a	5825	Ant1	88.53	0.53	0.71
NVNT	n20	5745	Ant1	87.02	0.6	0.85
NVNT	n20	5785	Ant1	86.4	0.63	0.85
NVNT	n20	5825	Ant1	87.01	0.6	0.85
NVNT	n40	5755	Ant1	76.54	1.16	1.69
NVNT	n40	5795	Ant1	76.2	1.18	1.69
NVNT	ac20	5745	Ant1	86.84	0.61	0.85
NVNT	ac20	5785	Ant1	86.78	0.62	0.84
NVNT	ac20	5825	Ant1	87	0.6	0.84
NVNT	ac40	5755	Ant1	76.66	1.15	1.69
NVNT	ac40	5795	Ant1	76.35	1.17	1.69
NVNT	ac80	5775	Ant1	63.42	1.98	3.33



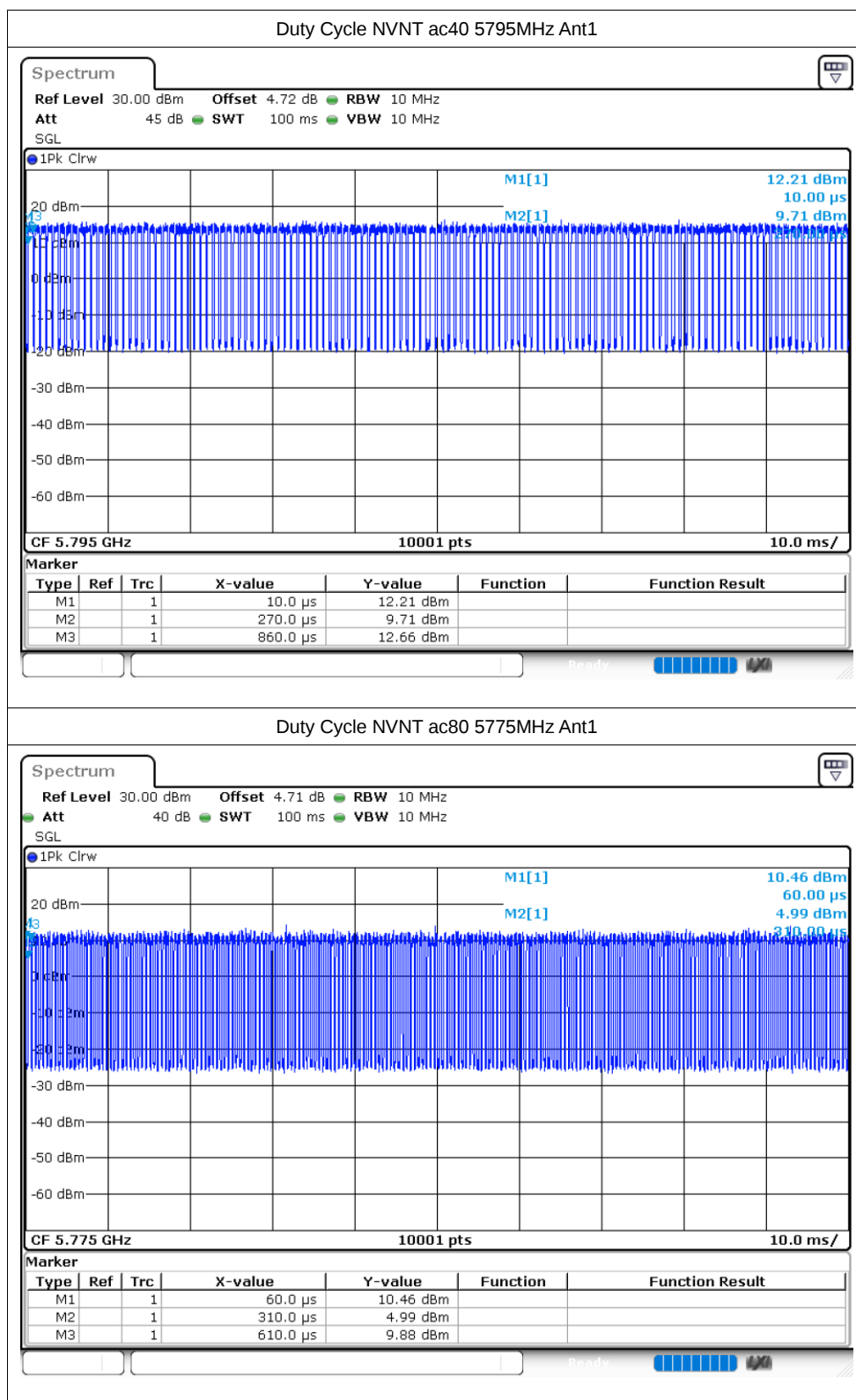












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.96	30	Pass
NVNT	a	5785	Ant1	11.9	30	Pass
NVNT	a	5825	Ant1	12.78	30	Pass
NVNT	n20	5745	Ant1	11.13	30	Pass
NVNT	n20	5785	Ant1	11.82	30	Pass
NVNT	n20	5825	Ant1	12.76	30	Pass
NVNT	n40	5755	Ant1	11.39	30	Pass
NVNT	n40	5795	Ant1	12.65	30	Pass
NVNT	ac20	5745	Ant1	11.82	30	Pass
NVNT	ac20	5785	Ant1	11.93	30	Pass
NVNT	ac20	5825	Ant1	12.67	30	Pass
NVNT	ac40	5755	Ant1	11.24	30	Pass
NVNT	ac40	5795	Ant1	12.28	30	Pass
NVNT	ac80	5775	Ant1	11.93	30	Pass

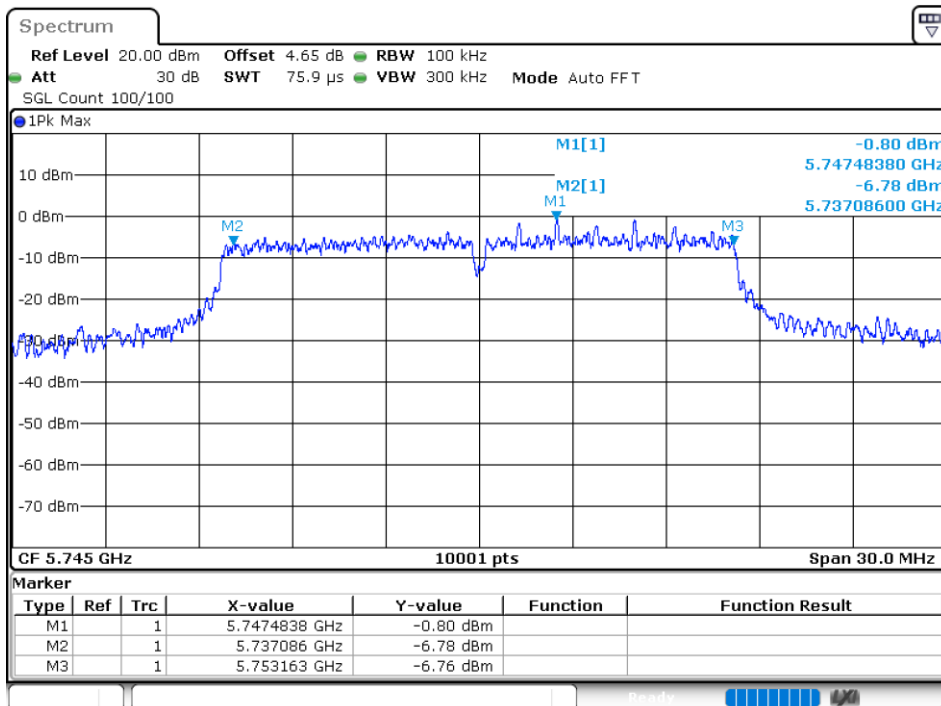
Note: The average power value already includes the duty cycle factor.

-6dB Bandwidth

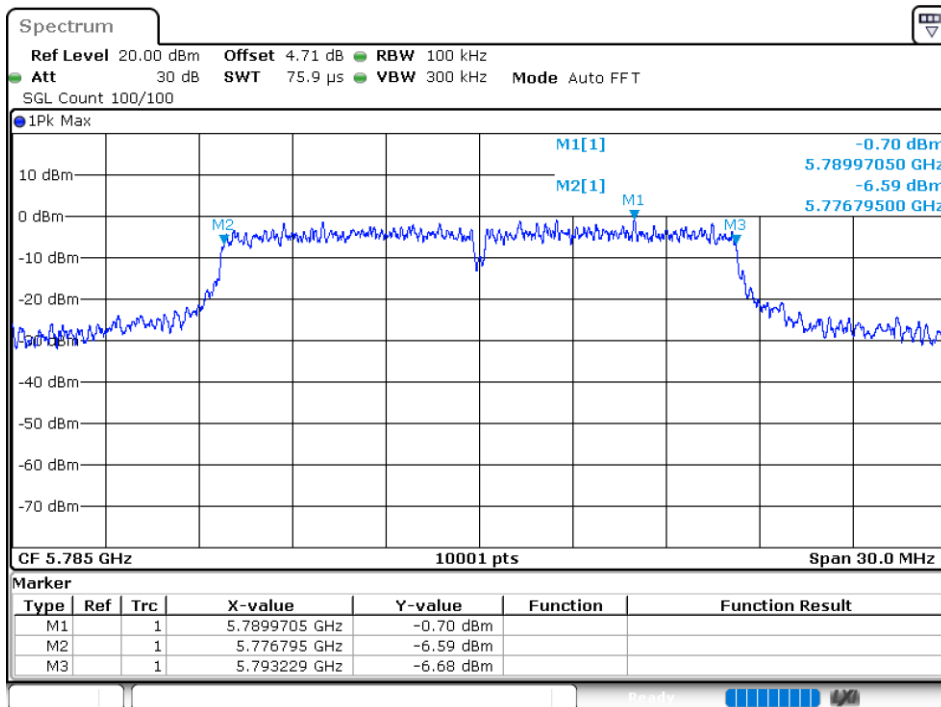
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.077	0.5	Pass
NVNT	a	5785	Ant1	16.434	0.5	Pass
NVNT	a	5825	Ant1	16.332	0.5	Pass
NVNT	n20	5745	Ant1	17.301	0.5	Pass
NVNT	n20	5785	Ant1	17.604	0.5	Pass
NVNT	n20	5825	Ant1	17.571	0.5	Pass
NVNT	n40	5755	Ant1	29.394	0.5	Pass
NVNT	n40	5795	Ant1	35.364	0.5	Pass
NVNT	ac20	5745	Ant1	17.706	0.5	Pass
NVNT	ac20	5785	Ant1	17.148	0.5	Pass
NVNT	ac20	5825	Ant1	16.866	0.5	Pass
NVNT	ac40	5755	Ant1	34.914	0.5	Pass
NVNT	ac40	5795	Ant1	34.848	0.5	Pass
NVNT	ac80	5775	Ant1	71.604	0.5	Pass

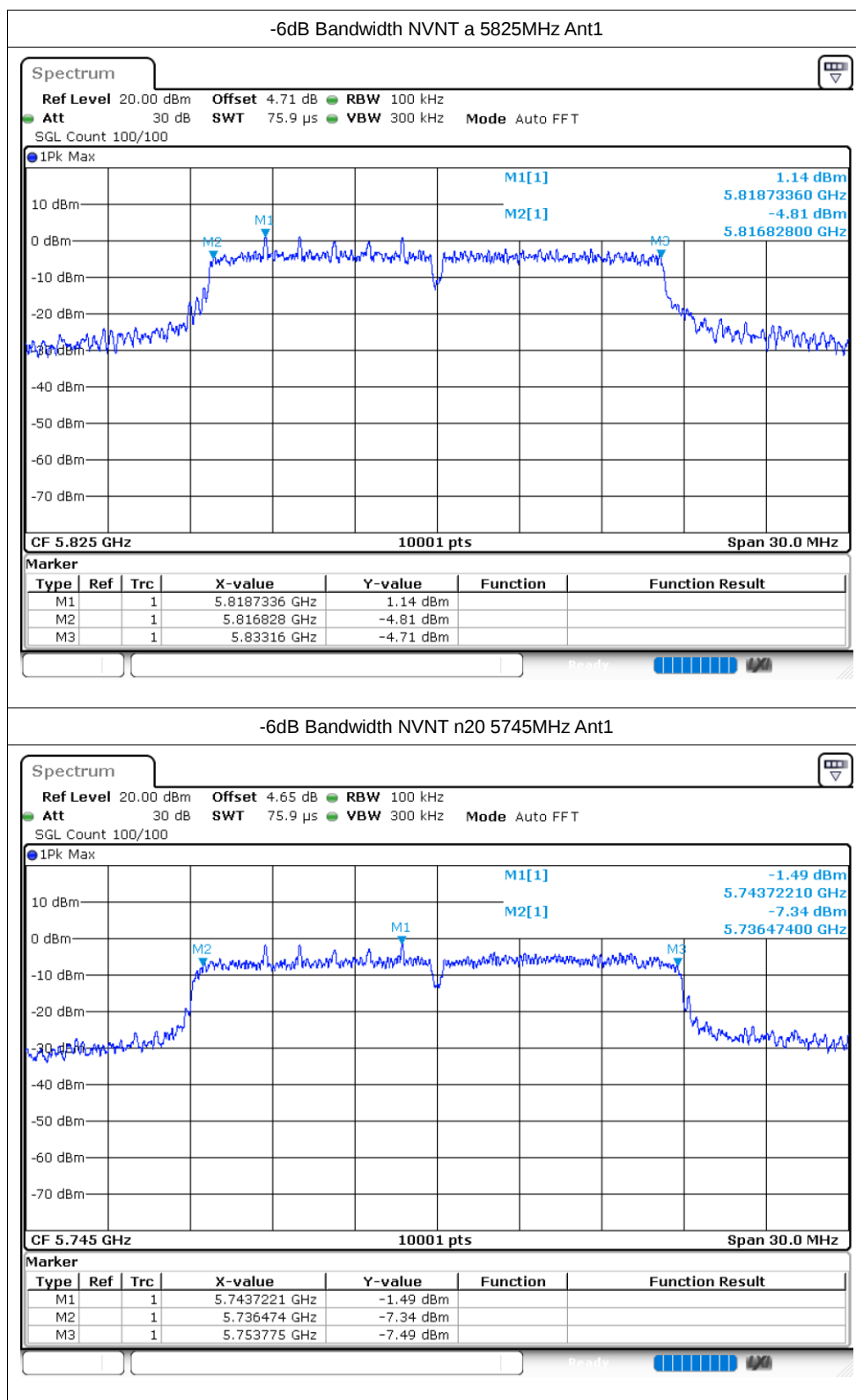
Test Graphs

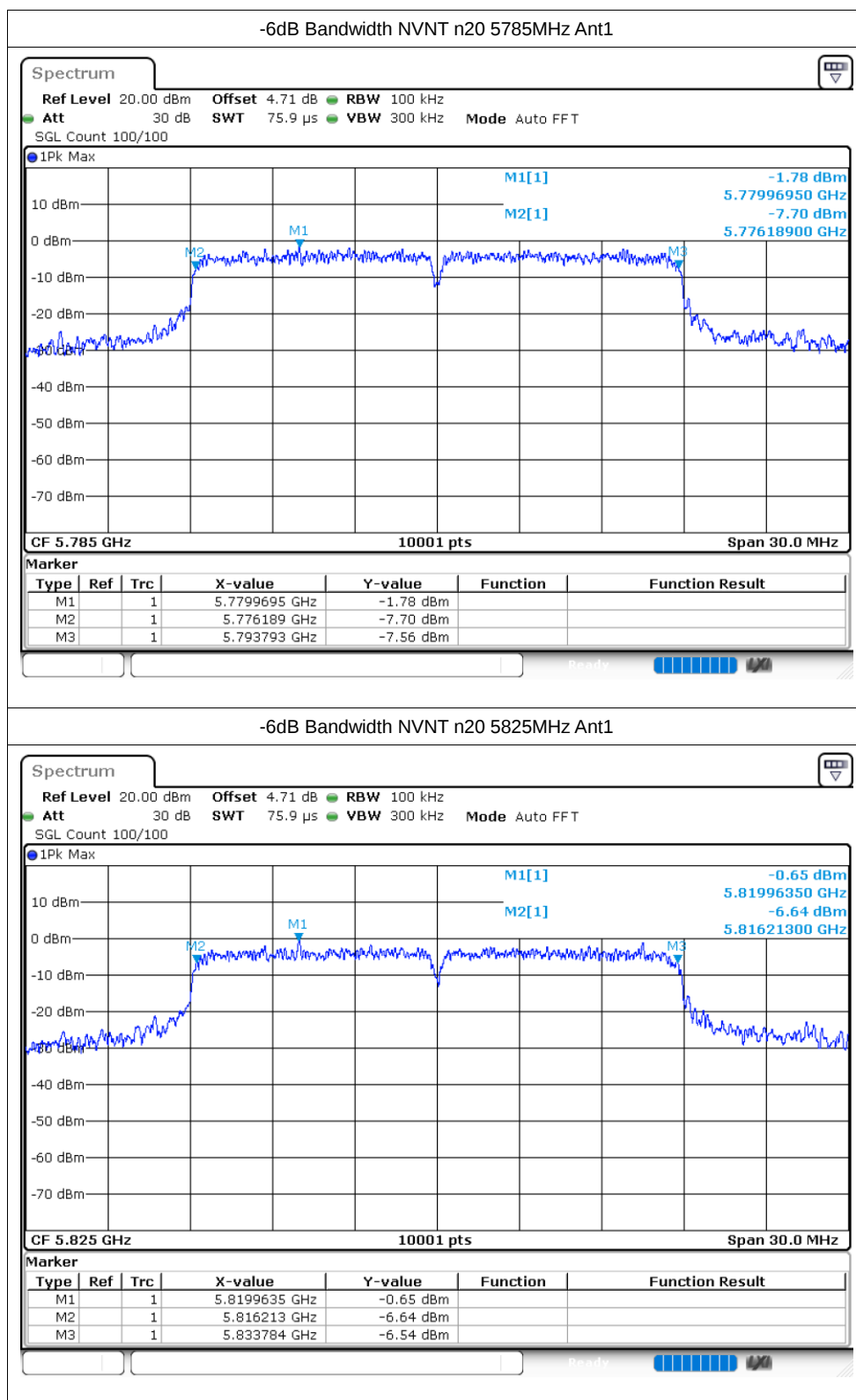
-6dB Bandwidth NVNT a 5745MHz Ant1

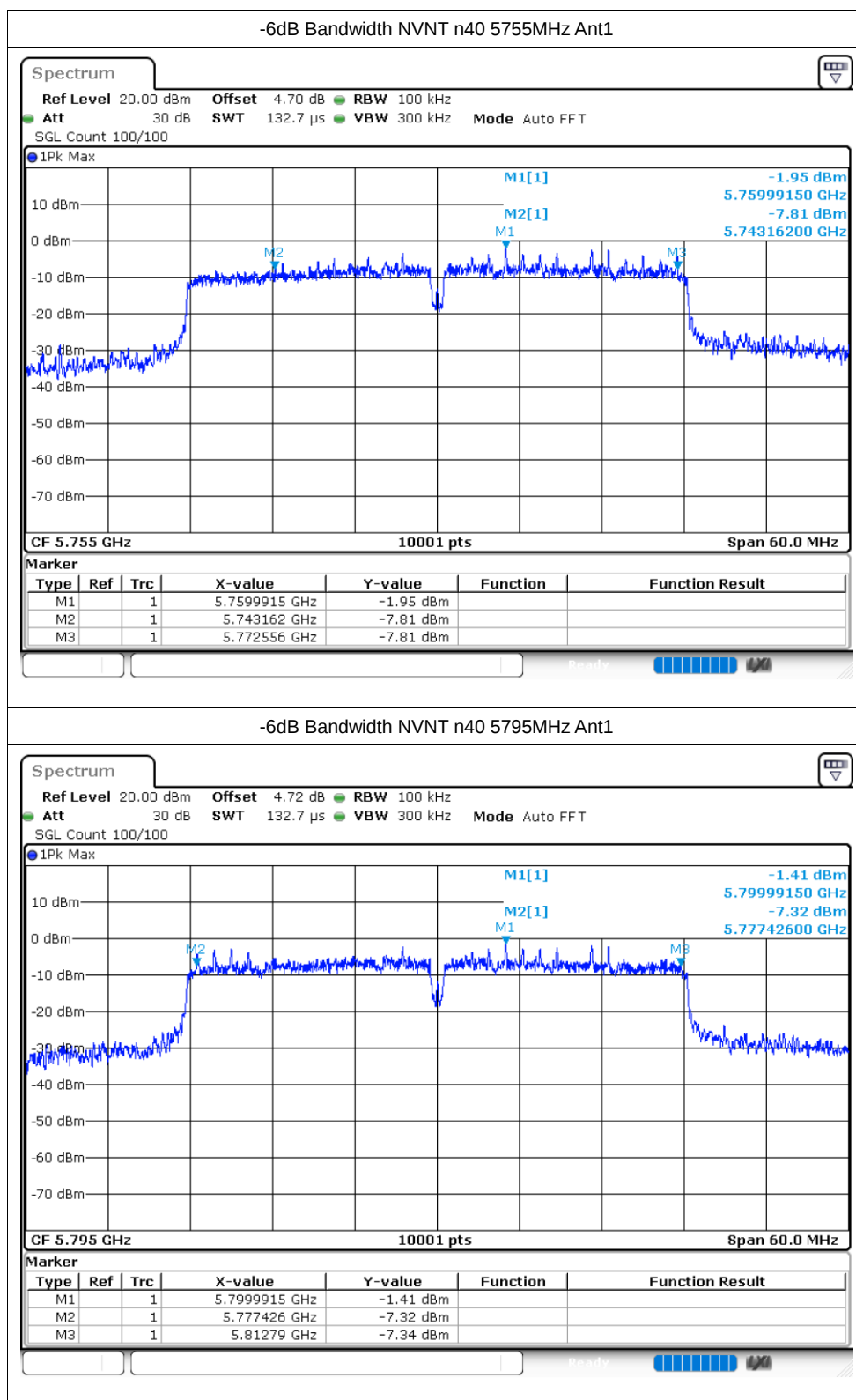


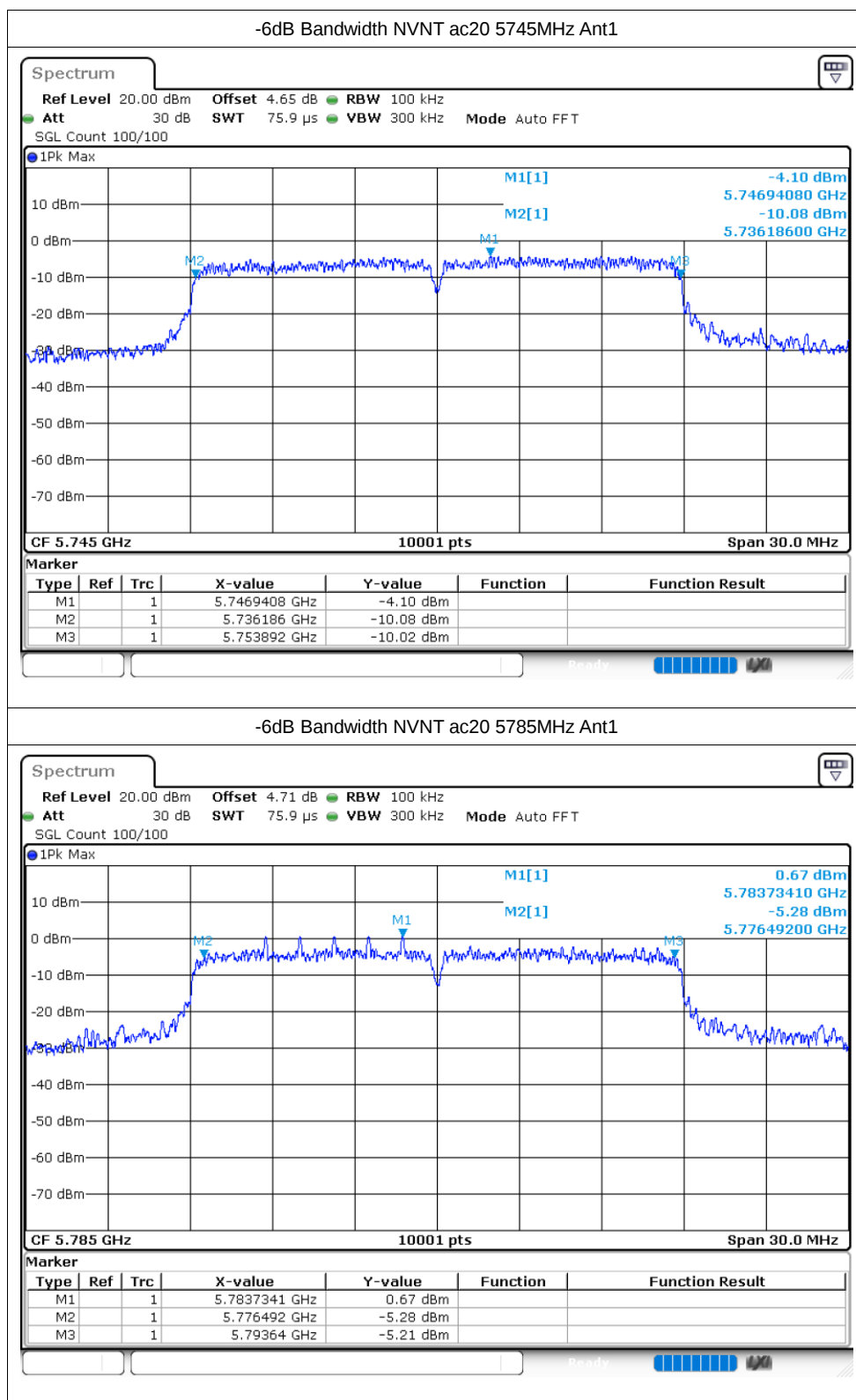
-6dB Bandwidth NVNT a 5785MHz Ant1

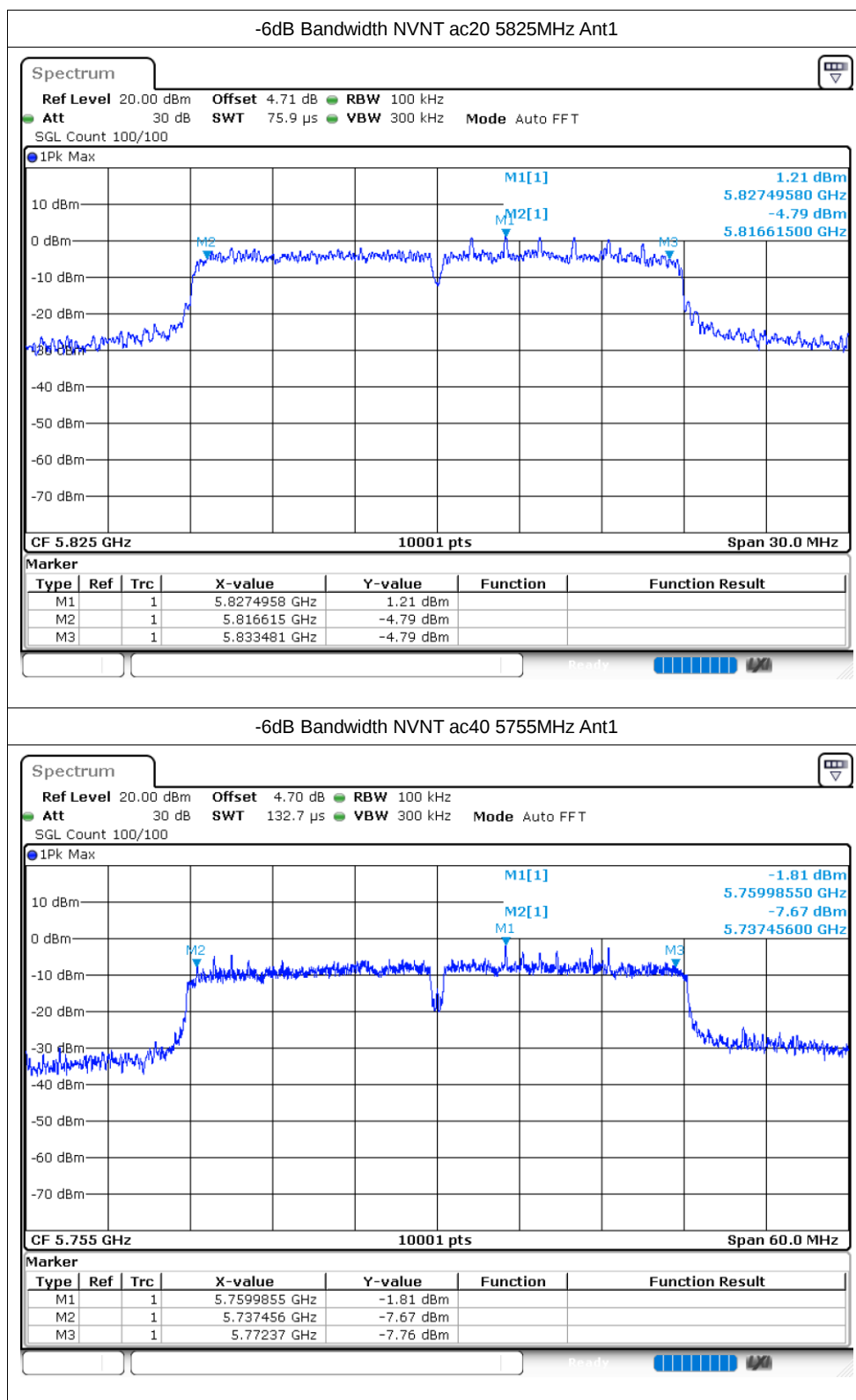


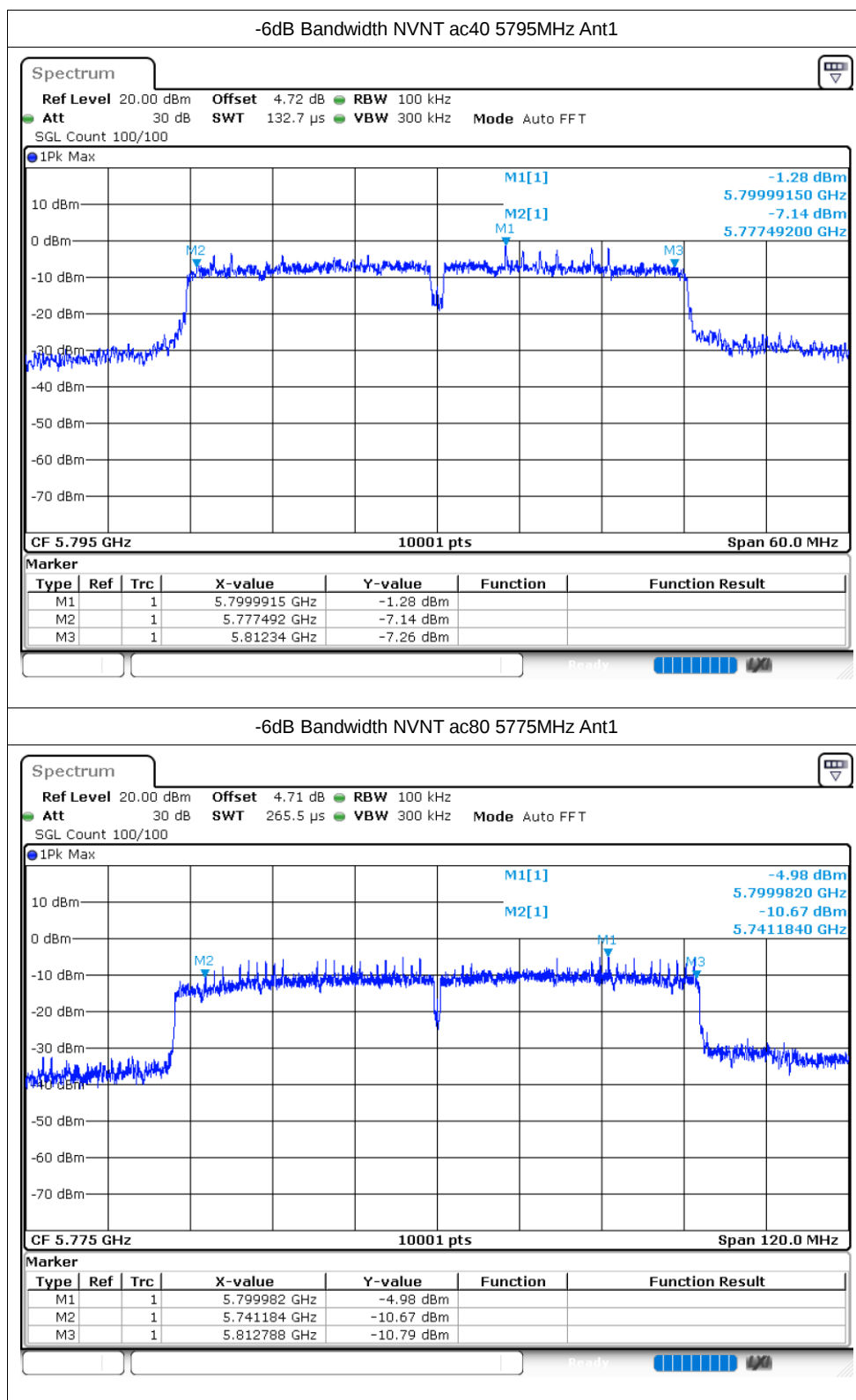










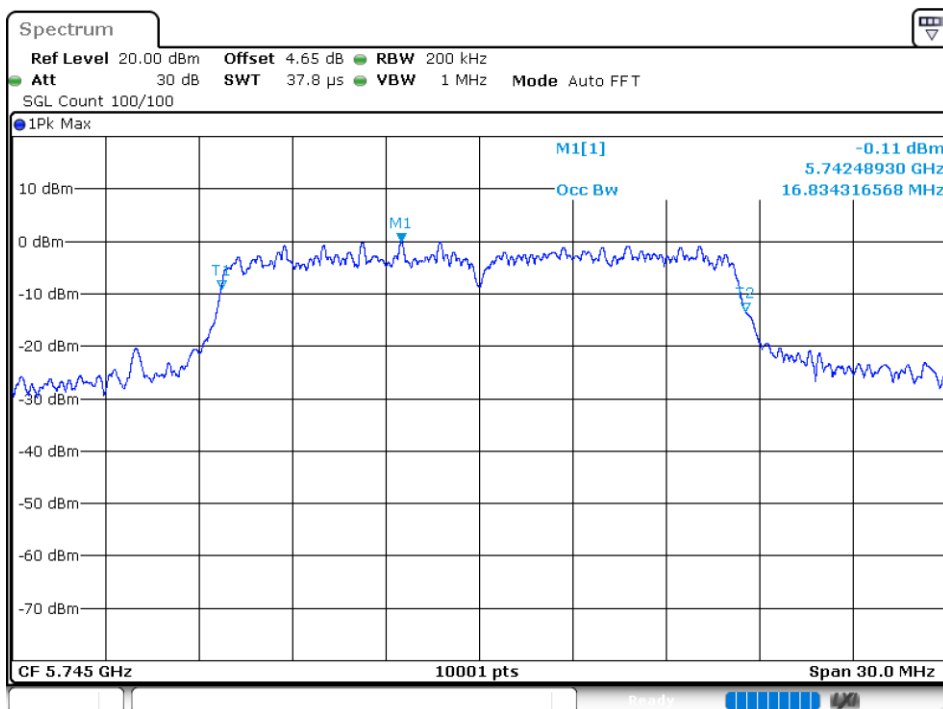


Occupied Channel Bandwidth

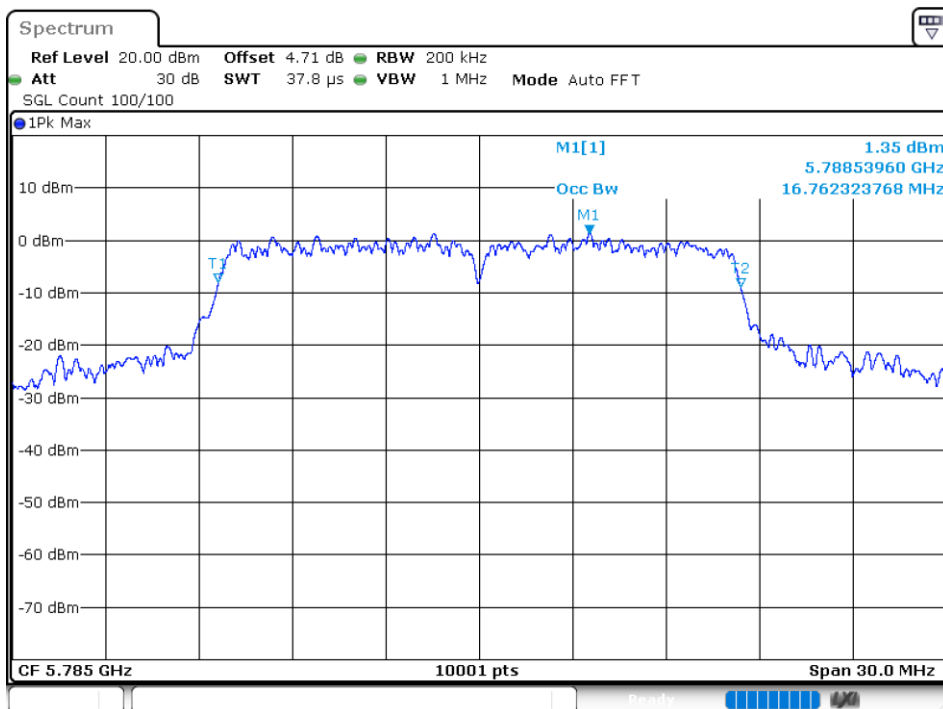
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.834
NVNT	a	5785	Ant1	16.762
NVNT	a	5825	Ant1	16.678
NVNT	n20	5745	Ant1	17.854
NVNT	n20	5785	Ant1	17.791
NVNT	n20	5825	Ant1	17.827
NVNT	n40	5755	Ant1	36.428
NVNT	n40	5795	Ant1	36.41
NVNT	ac20	5745	Ant1	17.791
NVNT	ac20	5785	Ant1	17.803
NVNT	ac20	5825	Ant1	17.839
NVNT	ac40	5755	Ant1	36.41
NVNT	ac40	5795	Ant1	36.41
NVNT	ac80	5775	Ant1	75.64

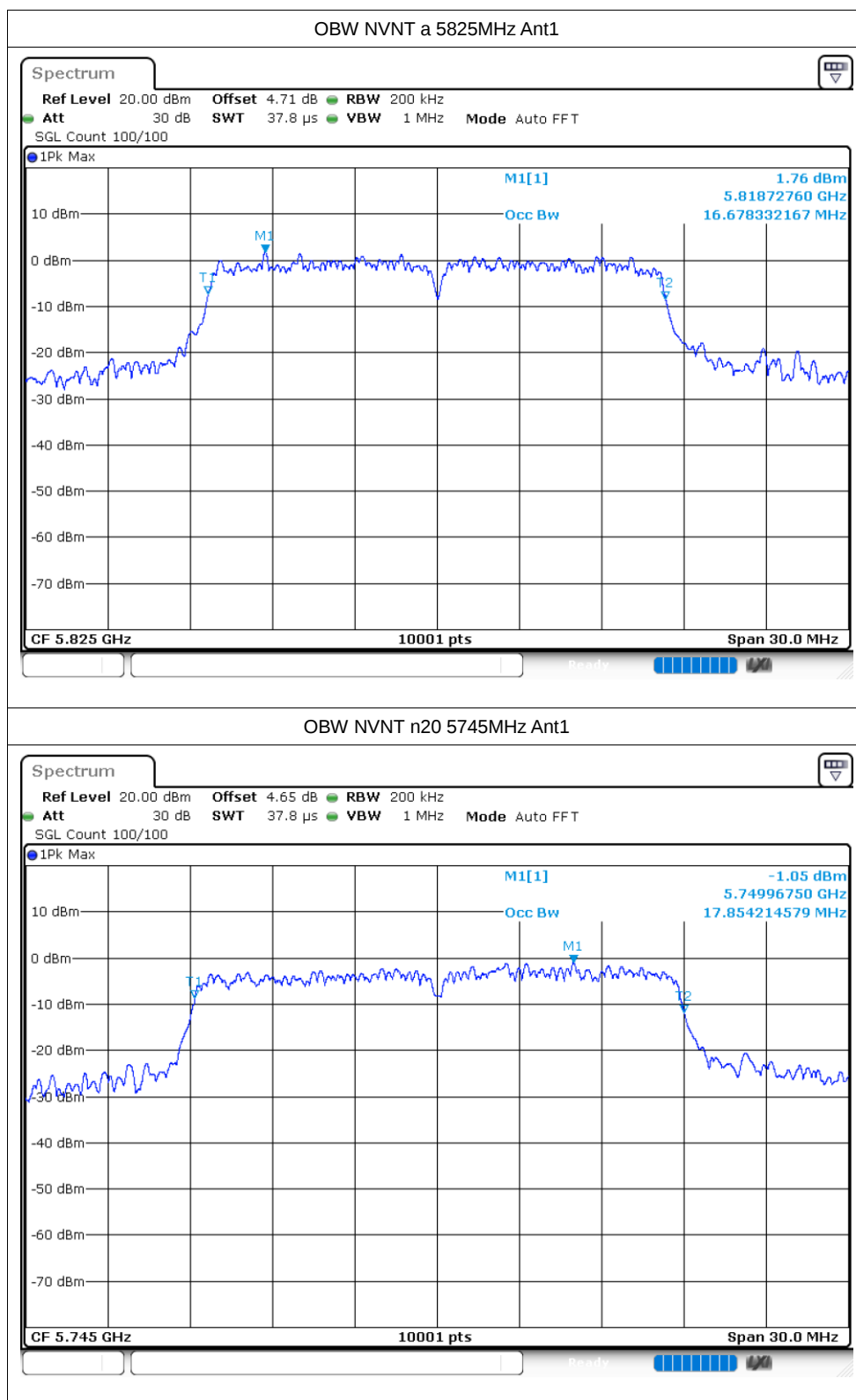
Test Graphs

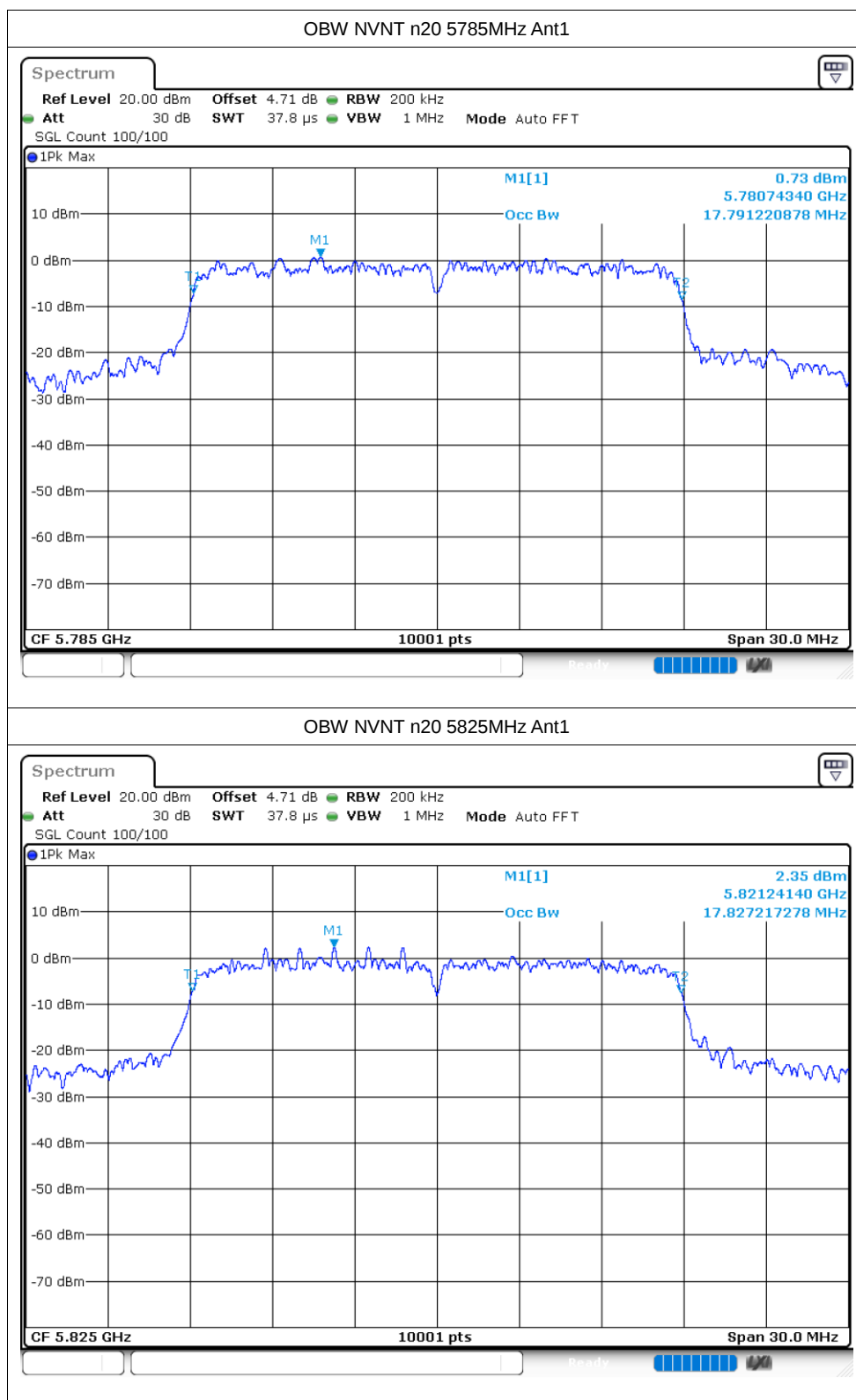
OBW NVNT a 5745MHz Ant1

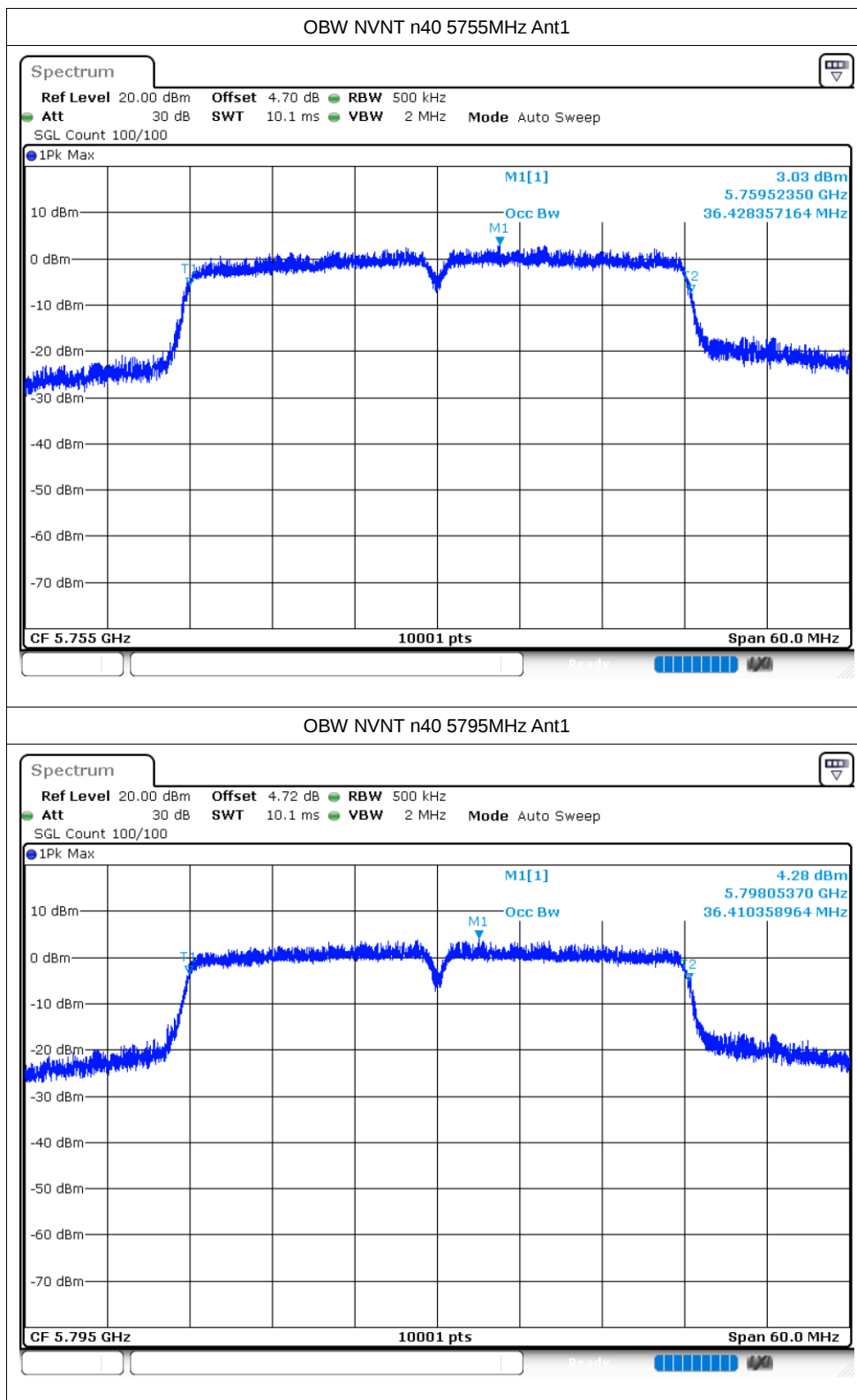


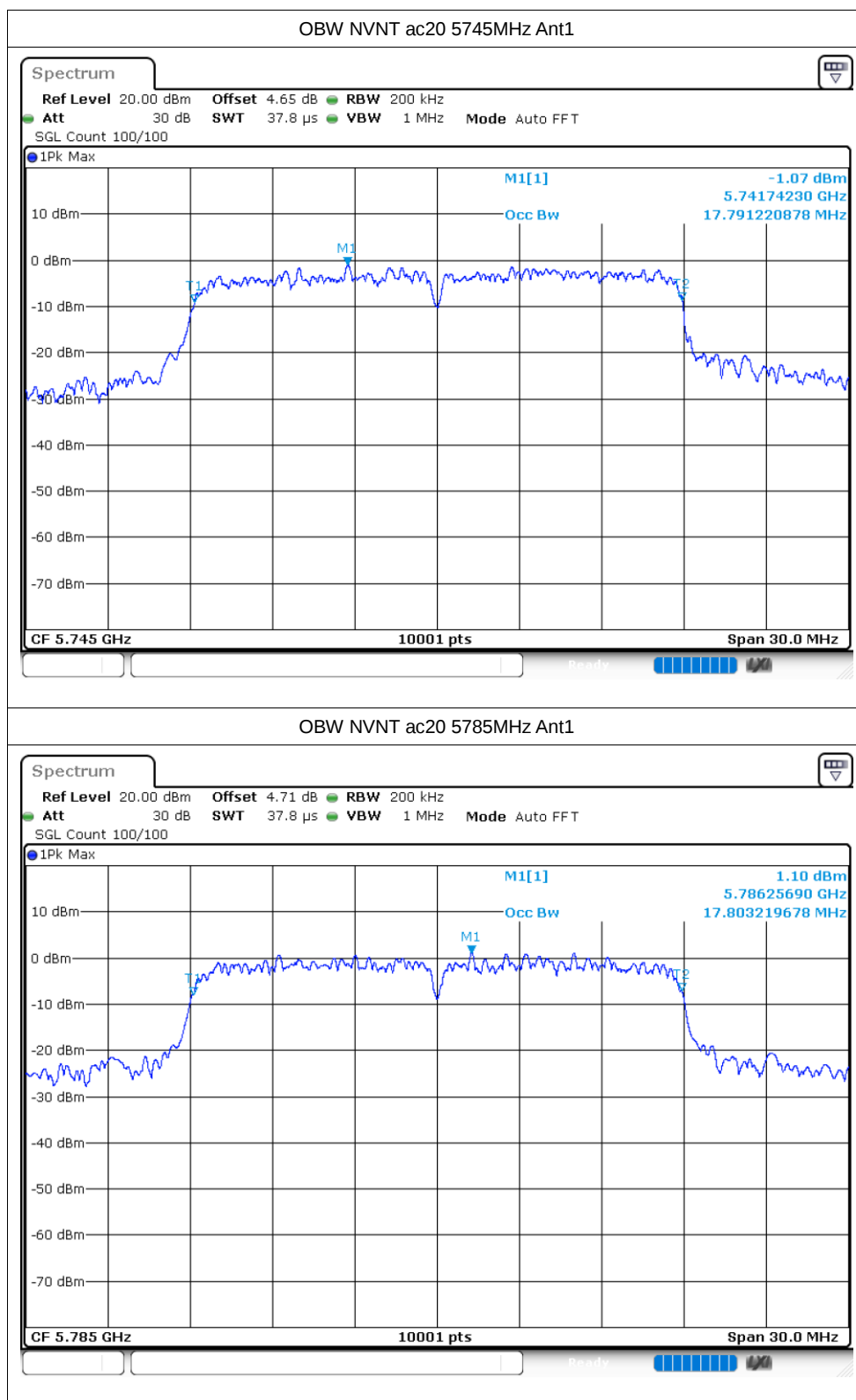
OBW NVNT a 5785MHz Ant1

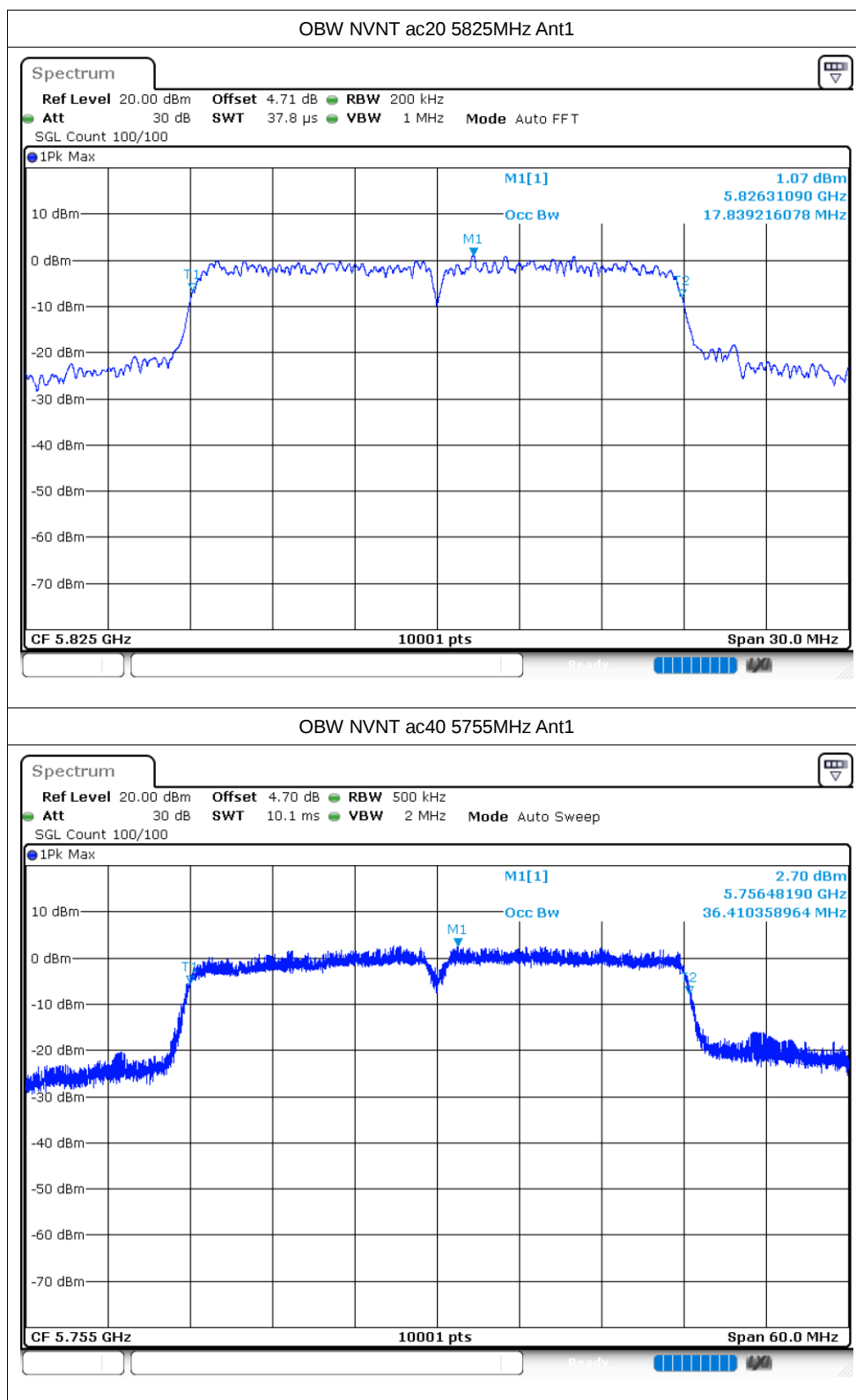


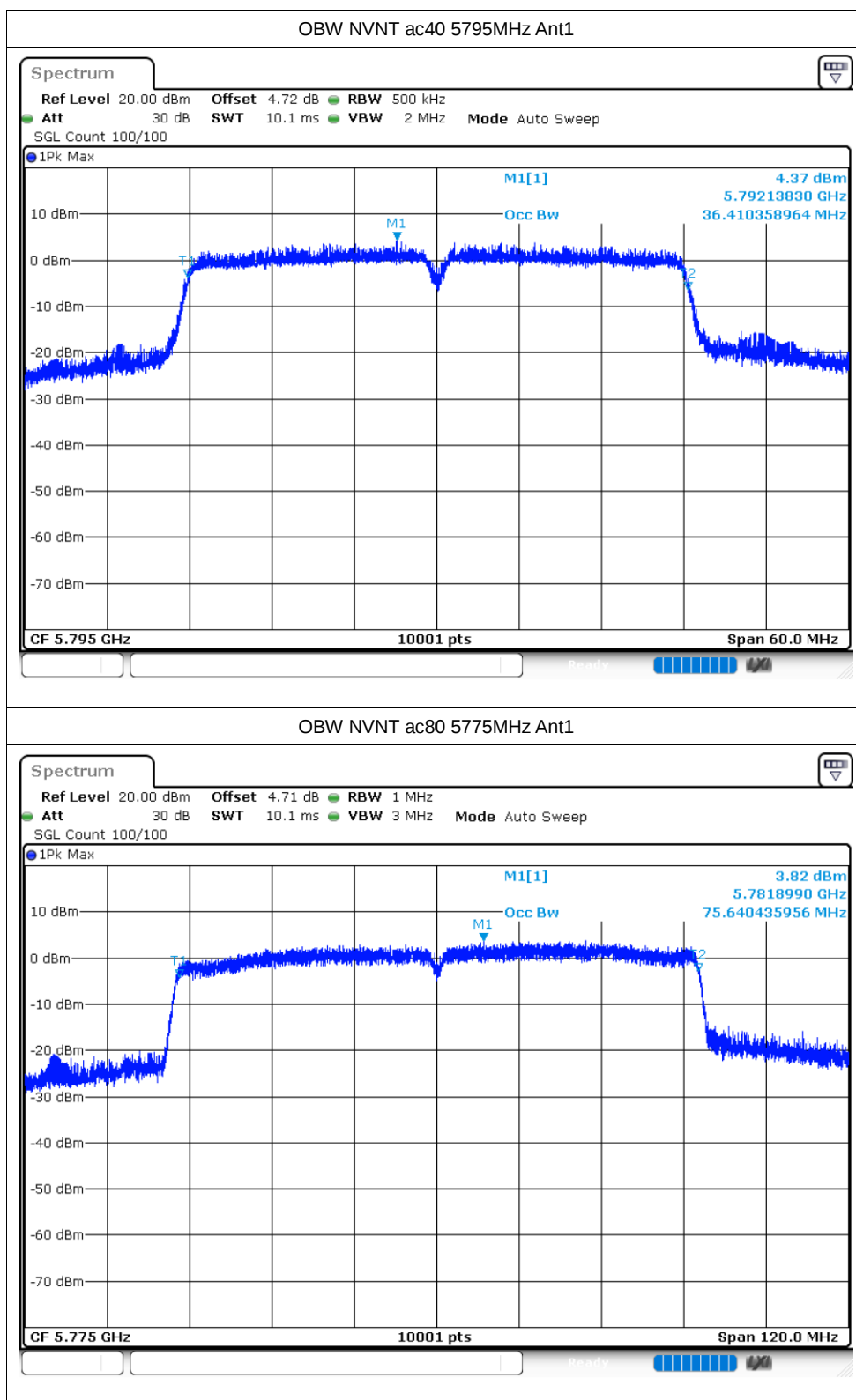










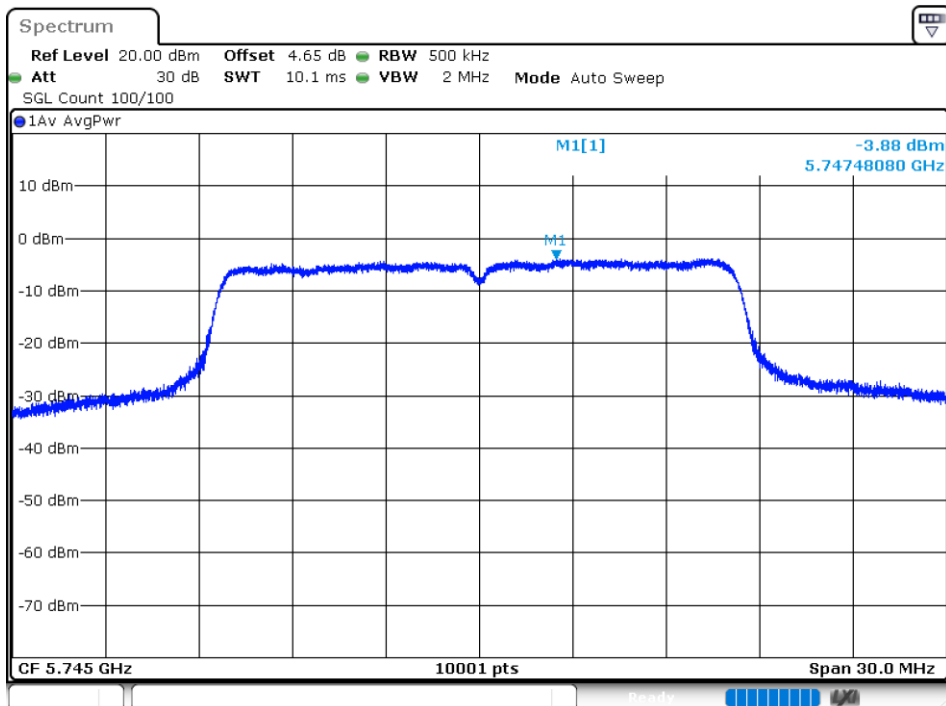


Maximum Power Spectral Density Level

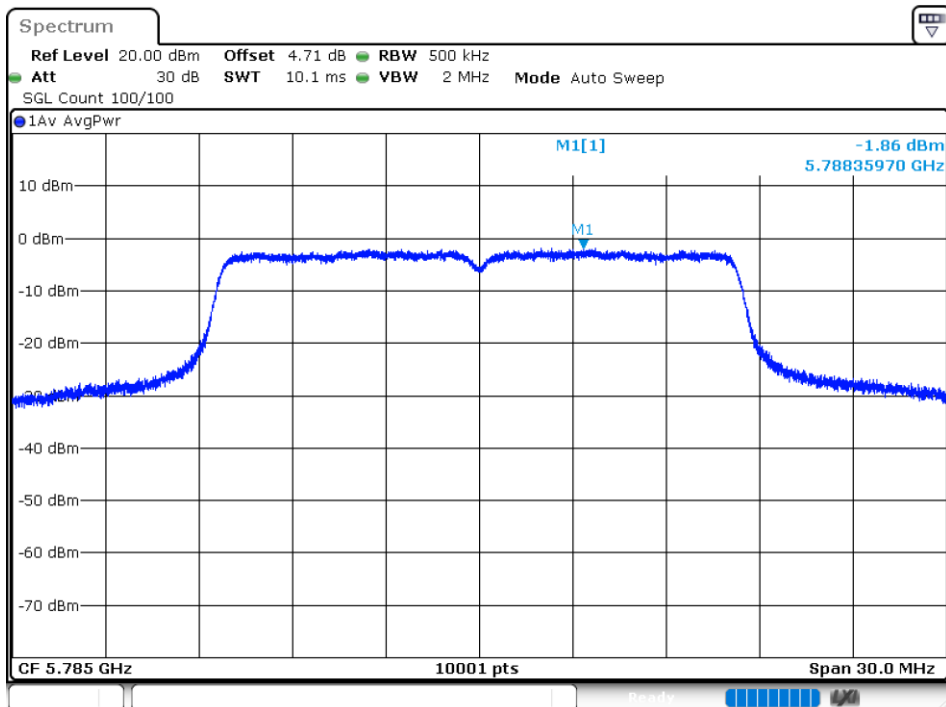
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-3.88	0.53	-3.35	30	Pass
NVNT	a	5785	Ant1	-1.86	0.54	-1.32	30	Pass
NVNT	a	5825	Ant1	-2.01	0.53	-1.48	30	Pass
NVNT	n20	5745	Ant1	-4.05	0.6	-3.45	30	Pass
NVNT	n20	5785	Ant1	-2.29	0.63	-1.66	30	Pass
NVNT	n20	5825	Ant1	-2.17	0.6	-1.57	30	Pass
NVNT	n40	5755	Ant1	-6.65	1.16	-5.49	30	Pass
NVNT	n40	5795	Ant1	-5.44	1.18	-4.26	30	Pass
NVNT	ac20	5745	Ant1	-3.56	0.61	-2.95	30	Pass
NVNT	ac20	5785	Ant1	-2.54	0.62	-1.92	30	Pass
NVNT	ac20	5825	Ant1	-2.81	0.6	-2.21	30	Pass
NVNT	ac40	5755	Ant1	-6.51	1.15	-5.36	30	Pass
NVNT	ac40	5795	Ant1	-5.73	1.17	-4.56	30	Pass
NVNT	ac80	5775	Ant1	-9.49	1.98	-7.51	30	Pass

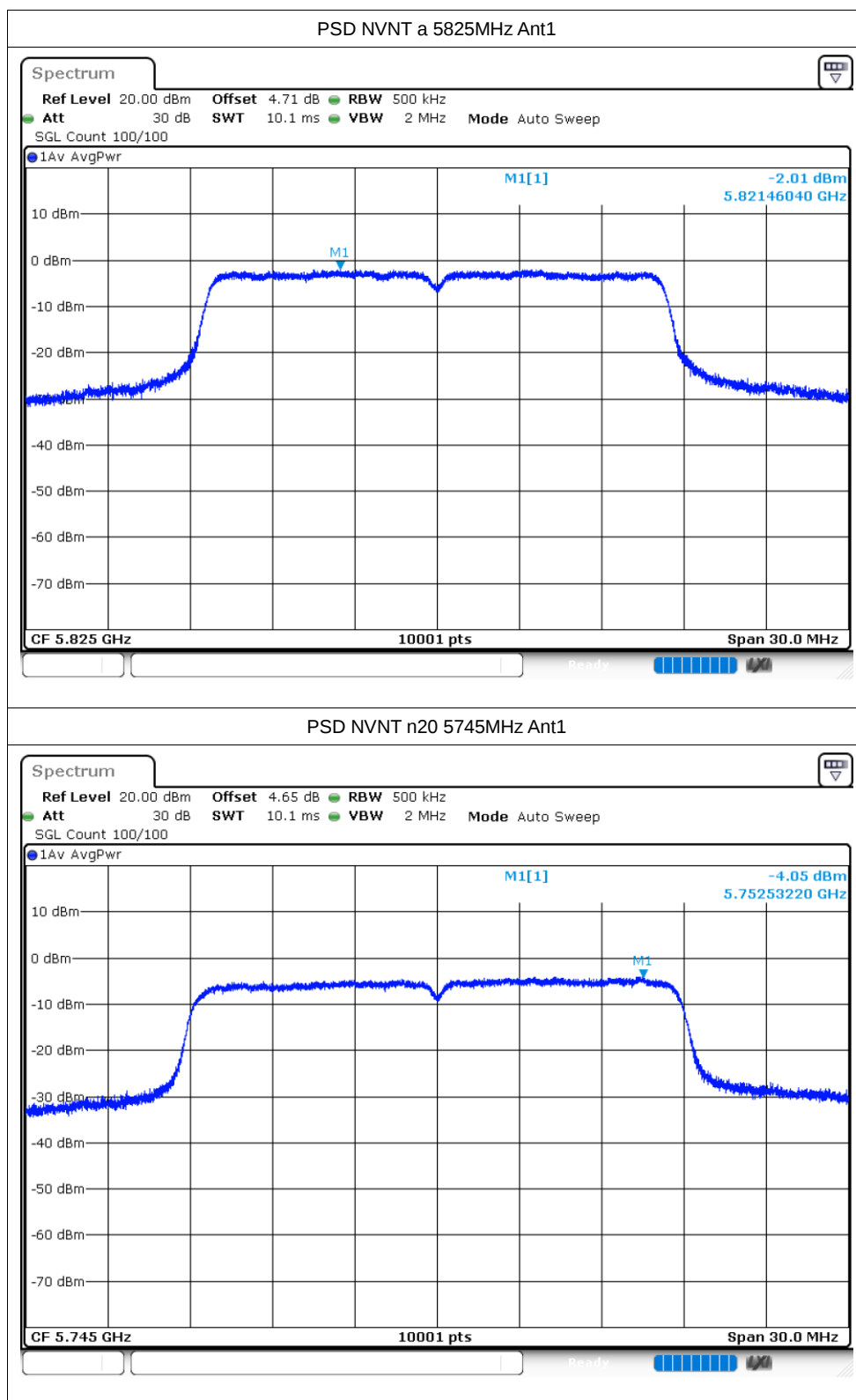
Test Graphs

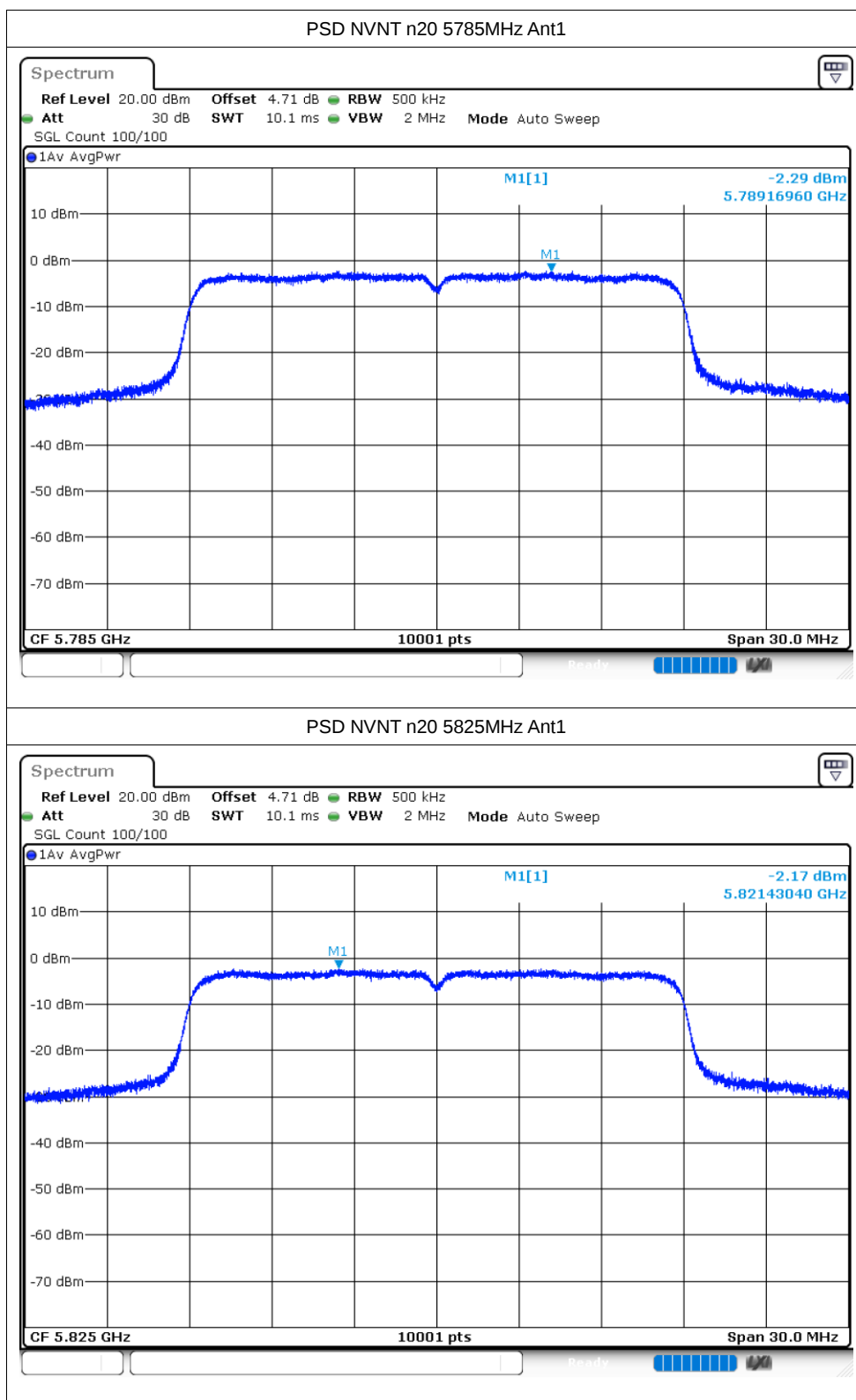
PSD NVNT a 5745MHz Ant1

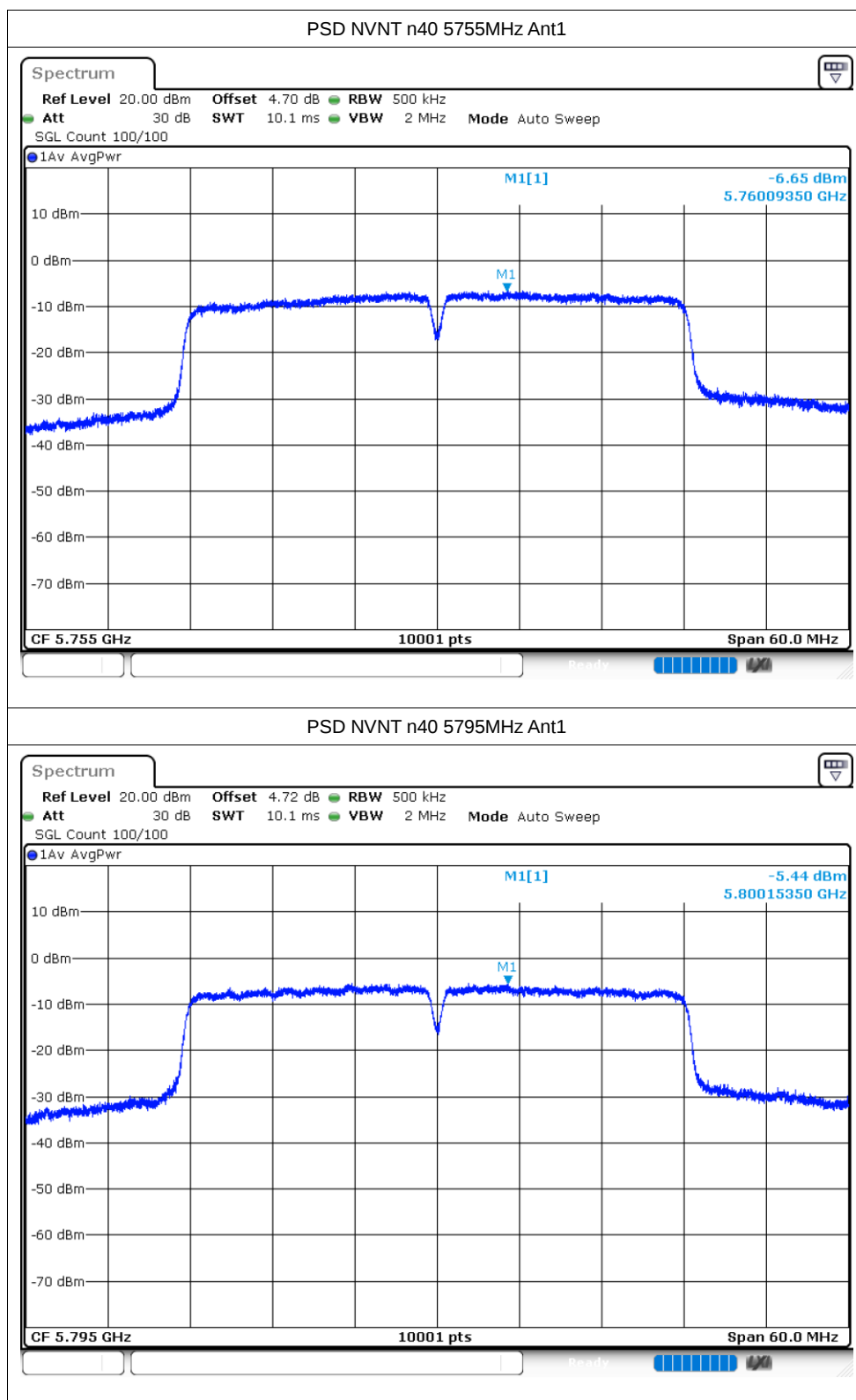


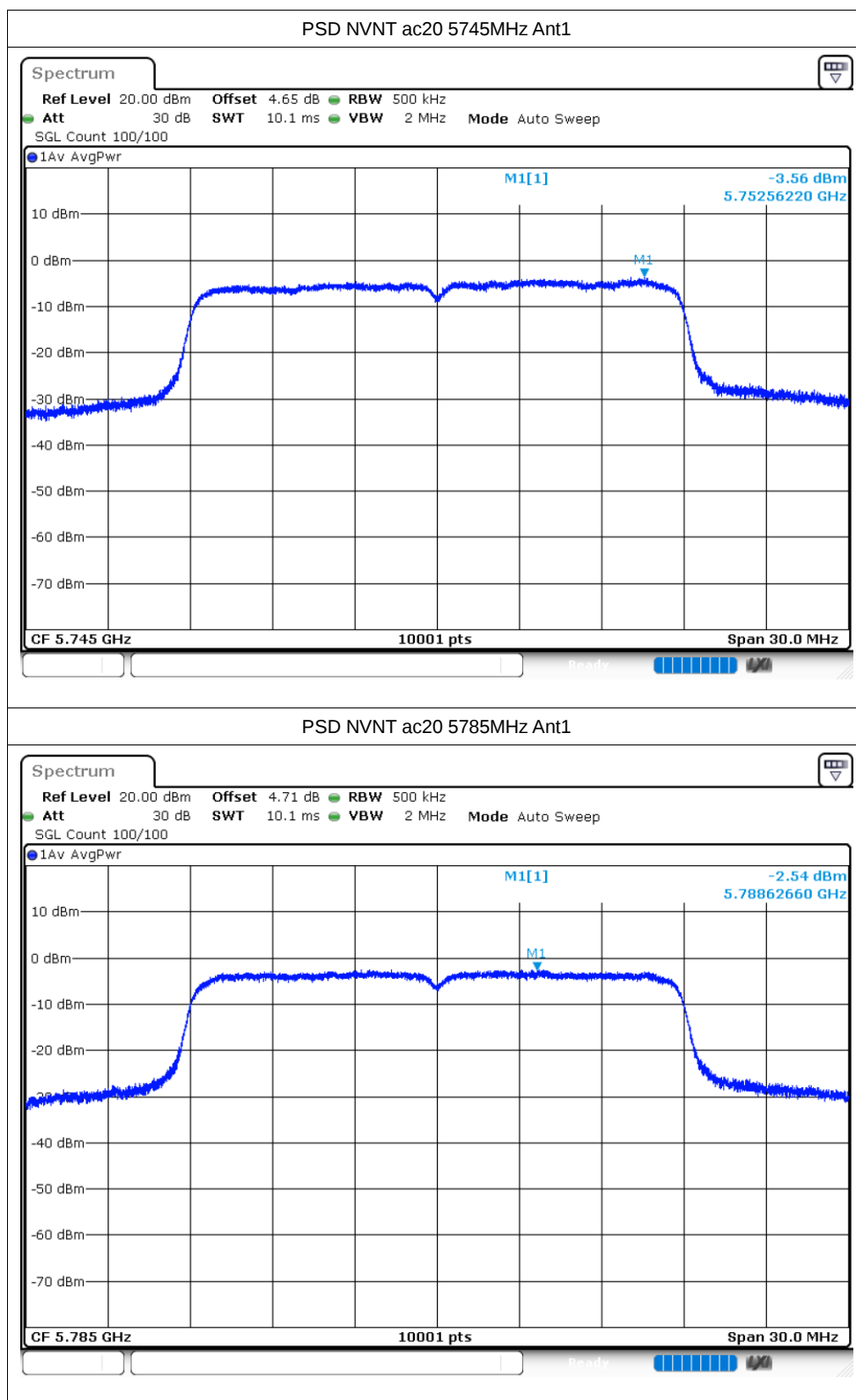
PSD NVNT a 5785MHz Ant1

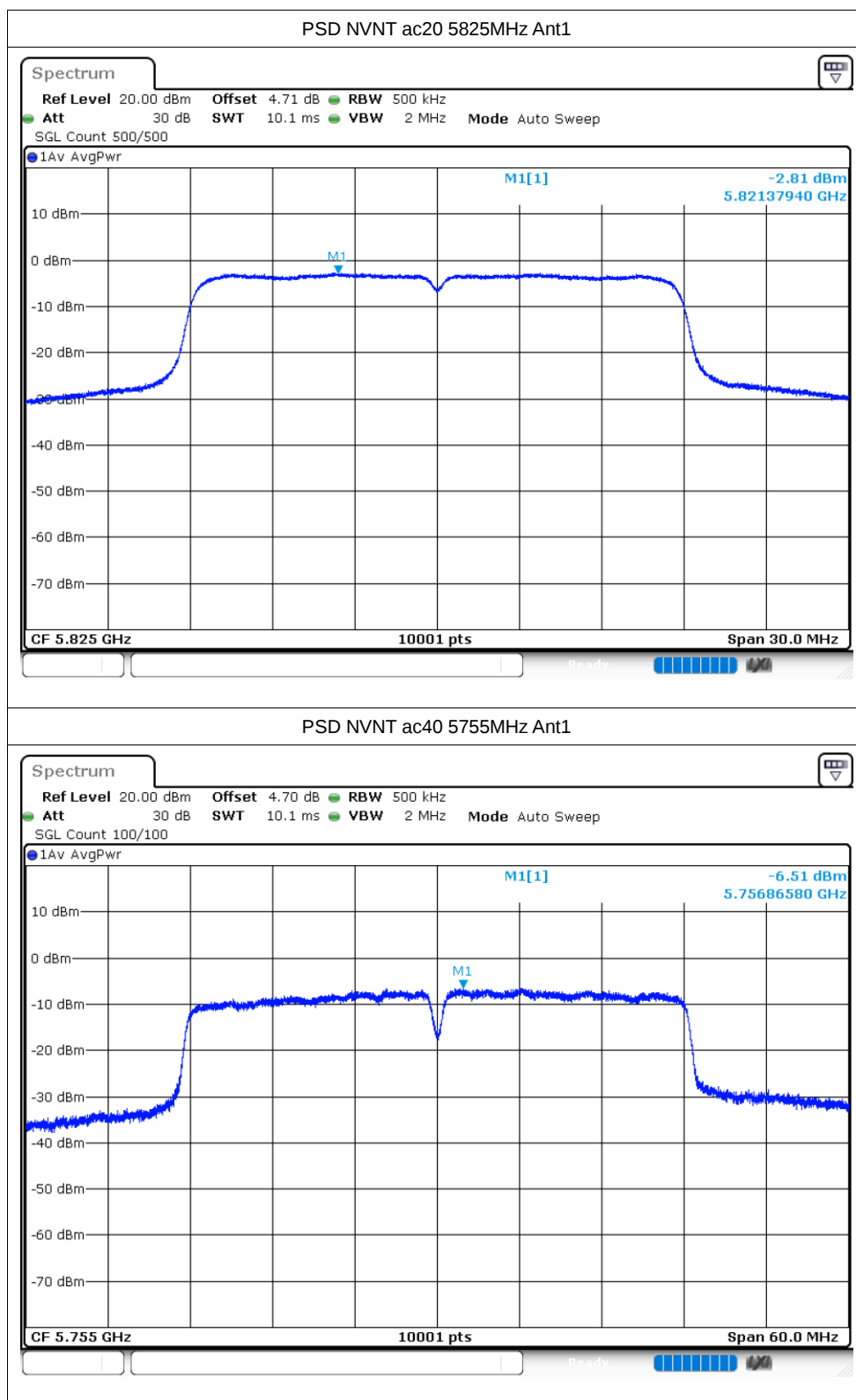


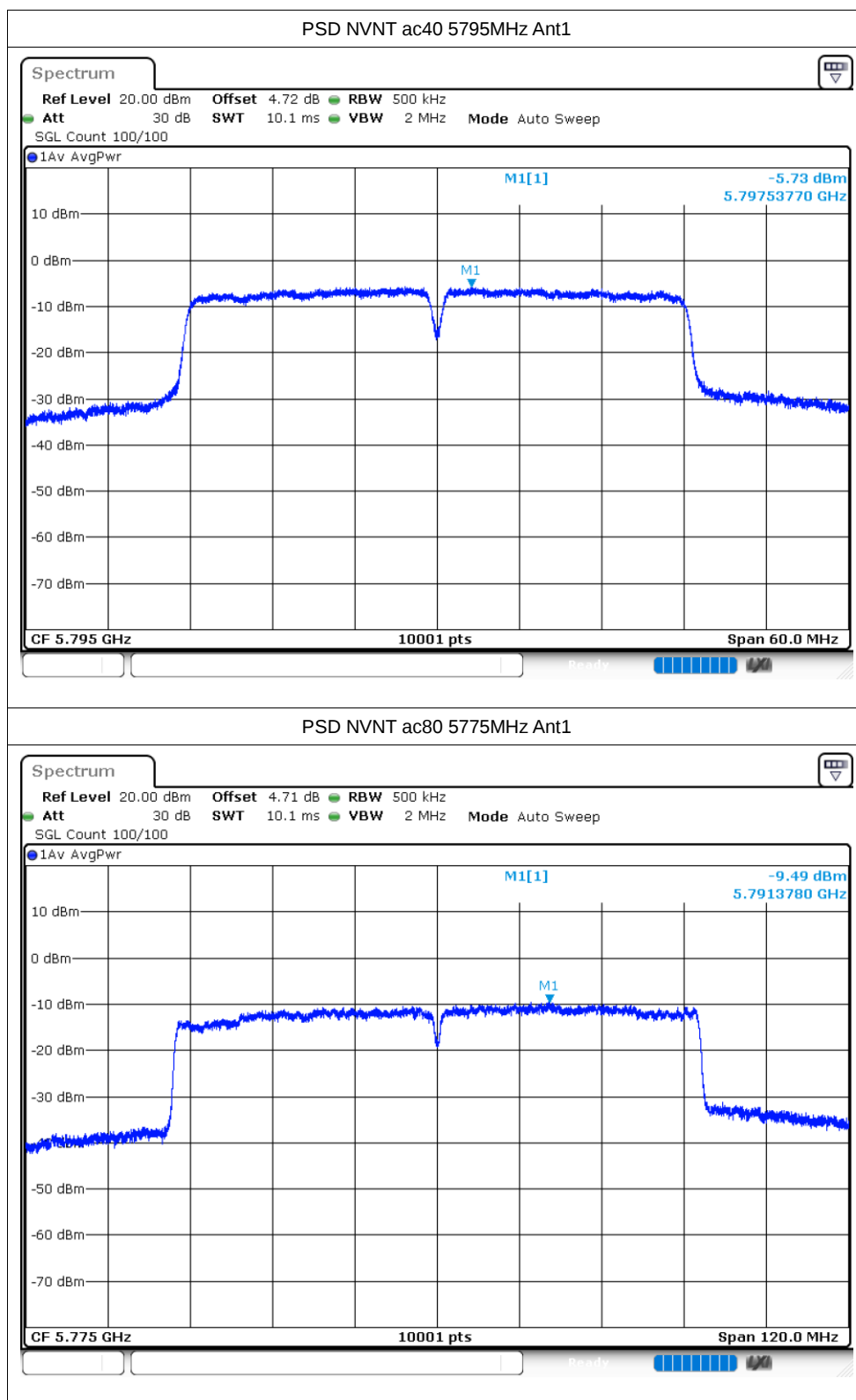










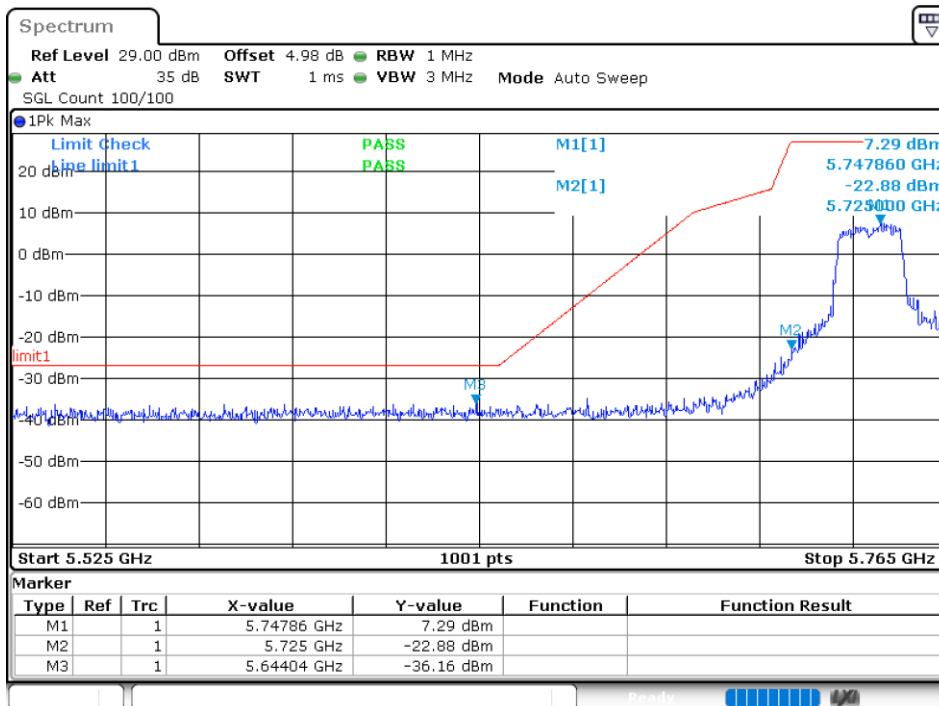


Band Edge

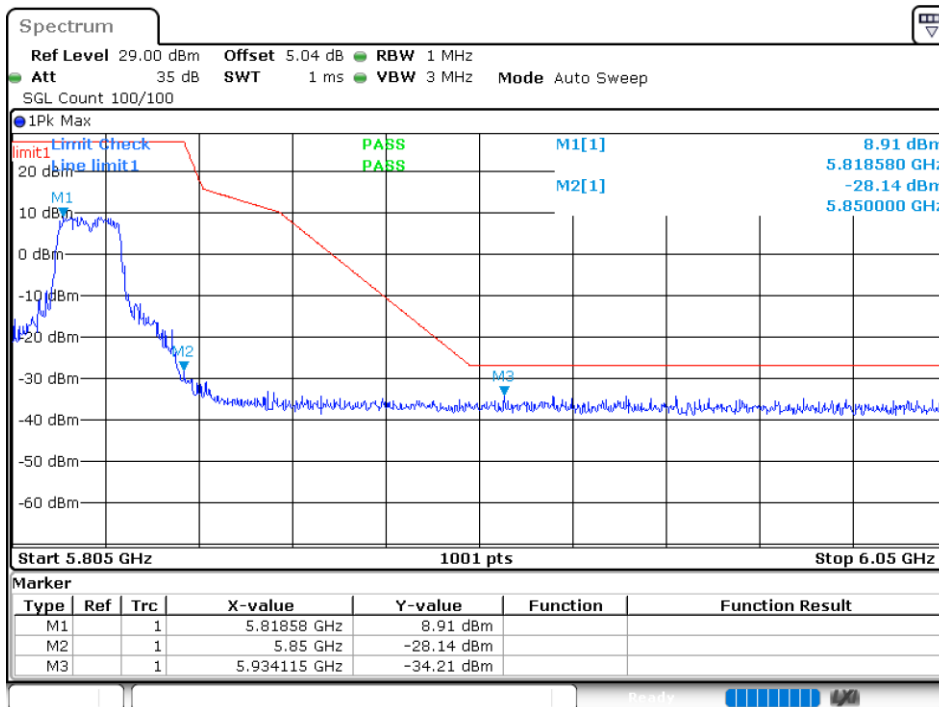
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-36.15	-27	Pass
NVNT	a	5825	Ant1	-34.21	-27	Pass
NVNT	n20	5745	Ant1	-35.74	-27	Pass
NVNT	n20	5825	Ant1	-34.41	-27	Pass
NVNT	n40	5755	Ant1	-35.79	-27	Pass
NVNT	n40	5795	Ant1	-34.6	-27	Pass
NVNT	ac20	5745	Ant1	-35.84	-27	Pass
NVNT	ac20	5825	Ant1	-34.29	-27	Pass
NVNT	ac40	5755	Ant1	-36.12	-27	Pass
NVNT	ac40	5795	Ant1	-33.42	-27	Pass
NVNT	ac80	5755	Ant1	-33.59	-27	Pass
NVNT	ac80	5755	Ant1	-35.95	-27	Pass

Test Graphs

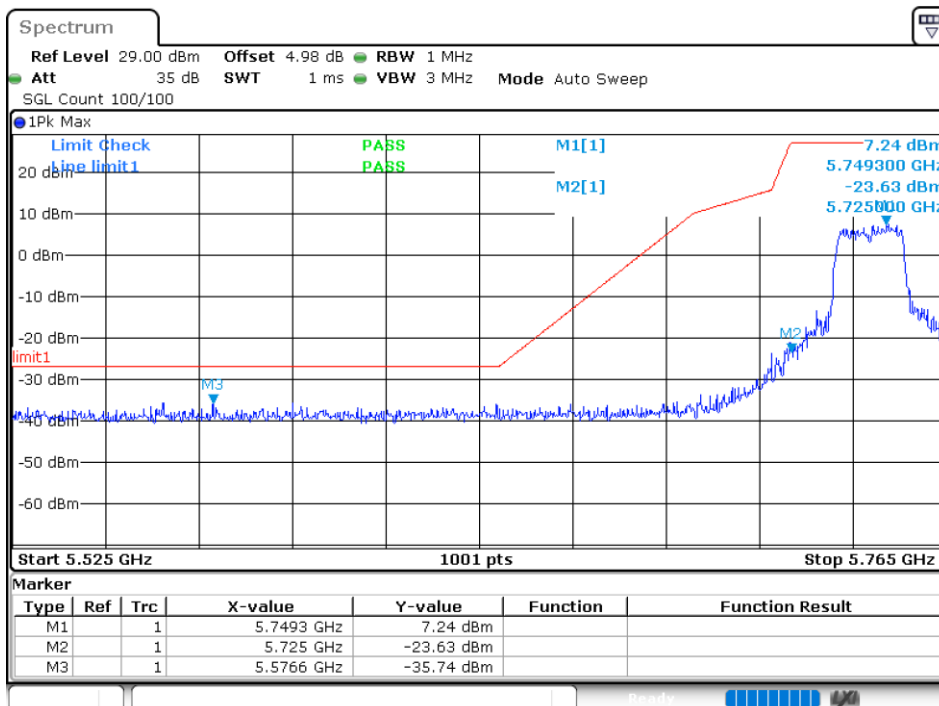
Band Edge NVNT a 5745MHz Low Ant1



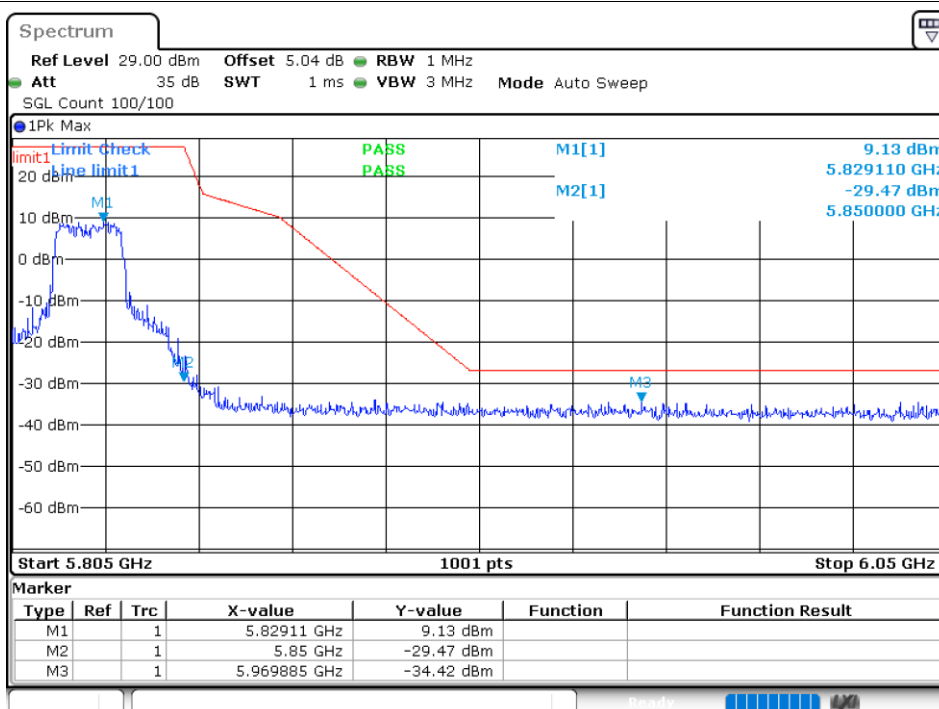
Band Edge NVNT a 5825MHz High Ant1



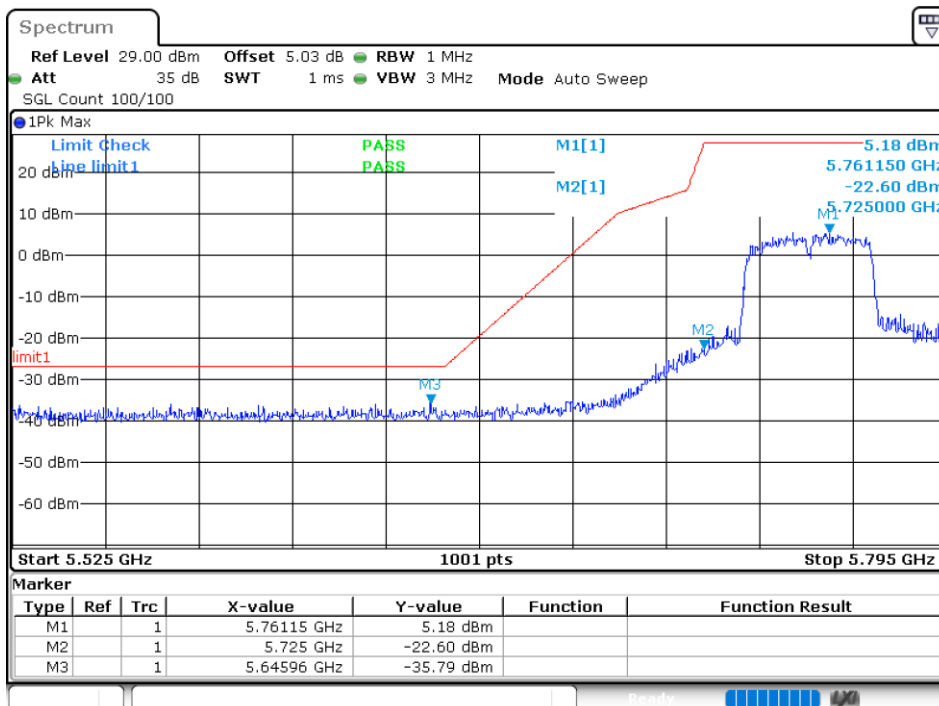
Band Edge NVNT n20 5745MHz Low Ant1



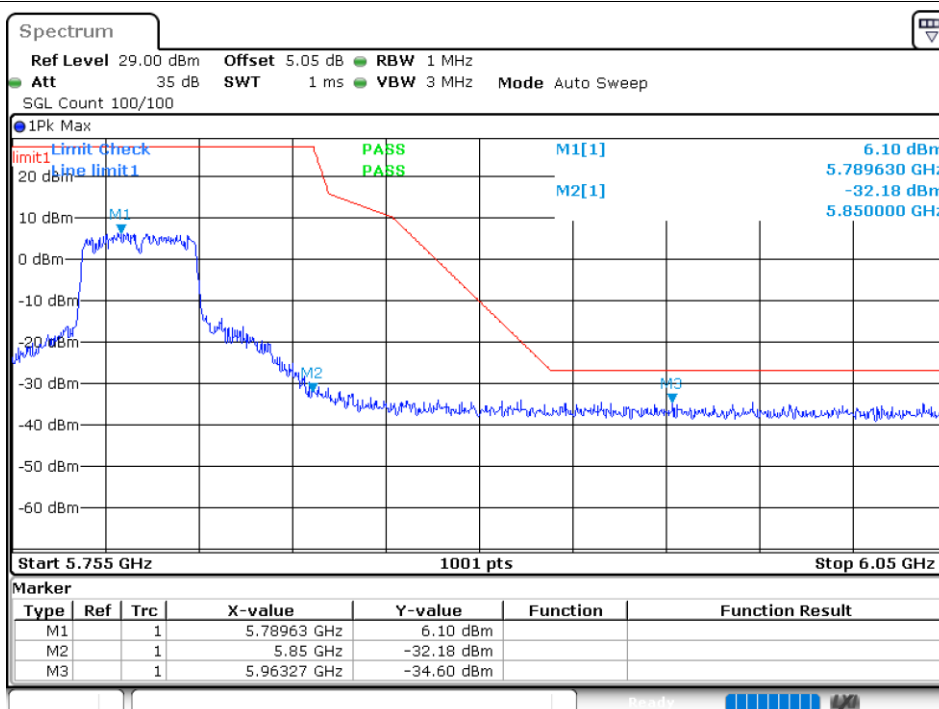
Band Edge NVNT n20 5825MHz High Ant1

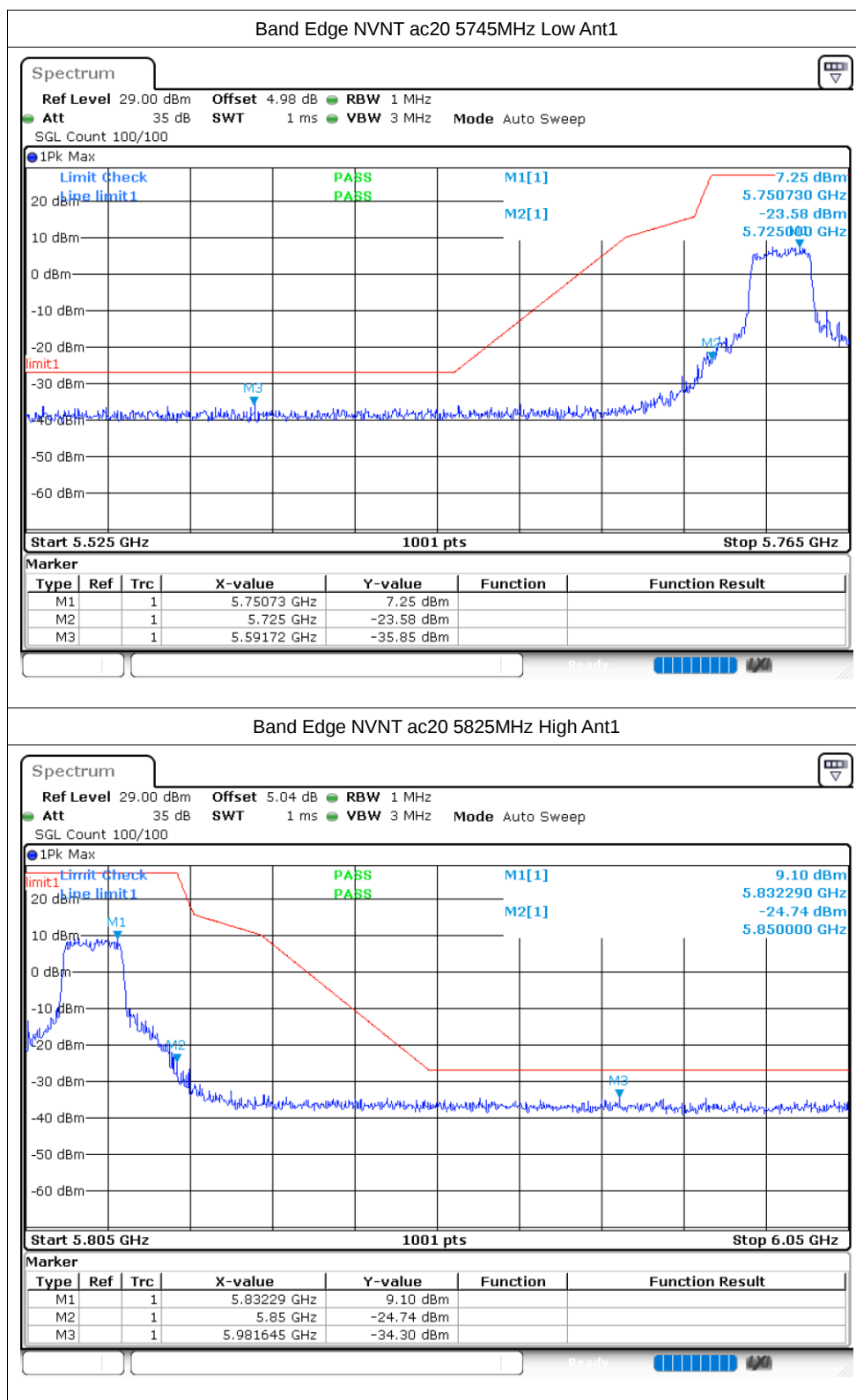


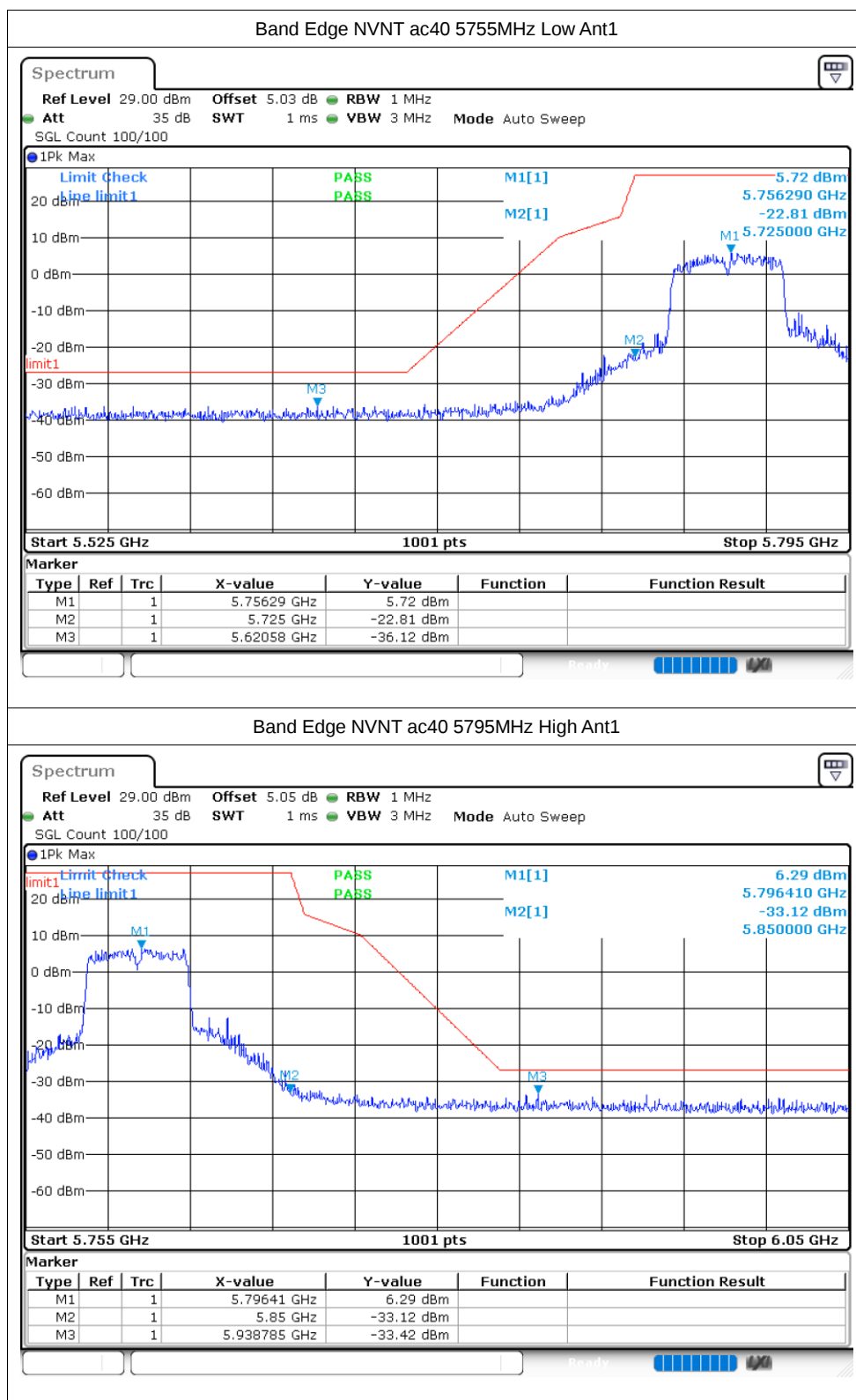
Band Edge NVNT n40 5755MHz Low Ant1

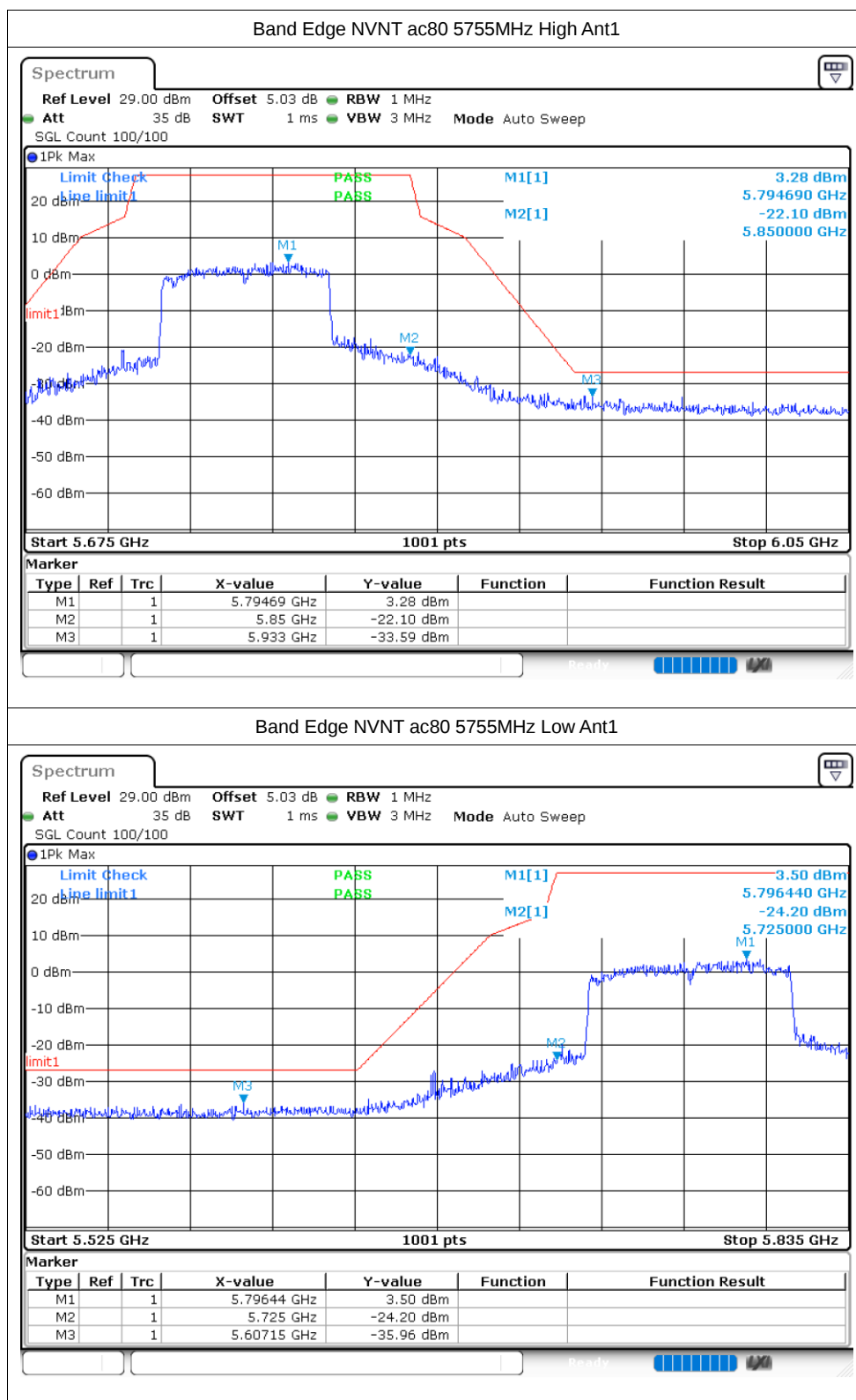


Band Edge NVNT n40 5795MHz High Ant1









Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-35.43	-27	Pass
NVNT	a	5785	Ant1	-35.35	-27	Pass
NVNT	a	5825	Ant1	-35.96	-27	Pass
NVNT	n20	5745	Ant1	-35.37	-27	Pass
NVNT	n20	5785	Ant1	-35.23	-27	Pass
NVNT	n20	5825	Ant1	-35.47	-27	Pass
NVNT	n40	5755	Ant1	-36.11	-27	Pass
NVNT	n40	5795	Ant1	-36.26	-27	Pass
NVNT	ac20	5745	Ant1	-34.63	-27	Pass
NVNT	ac20	5785	Ant1	-33.79	-27	Pass
NVNT	ac20	5825	Ant1	-35.39	-27	Pass
NVNT	ac40	5755	Ant1	-36.03	-27	Pass
NVNT	ac40	5795	Ant1	-35.33	-27	Pass
NVNT	ac80	5775	Ant1	-36.36	-27	Pass

