

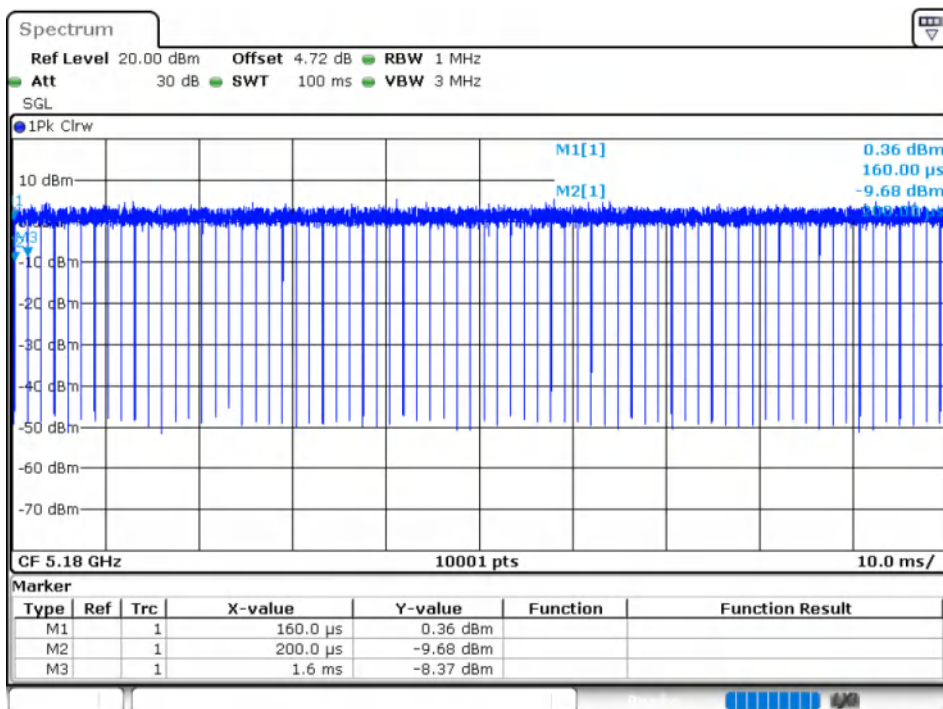
WIFI 5.2G

Duty Cycle

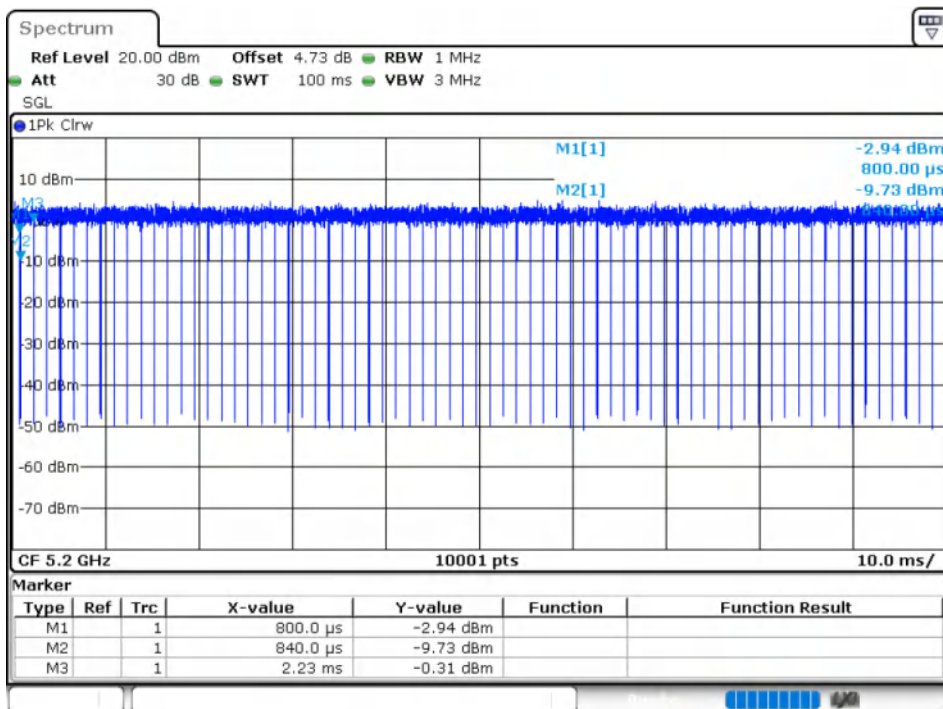
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.64	0.1	0.71
NVNT	a	5200	Ant1	97.64	0.1	0.72
NVNT	a	5240	Ant1	97.63	0.1	0.72
NVNT	n20	5180	Ant1	97.51	0.11	0.77
NVNT	n20	5200	Ant1	97.46	0.11	0.77
NVNT	n20	5240	Ant1	97.52	0.11	0.77
NVNT	n40	5190	Ant1	95.15	0.22	1.54
NVNT	n40	5230	Ant1	95.13	0.22	1.54
NVNT	ac20	5180	Ant1	97.48	0.11	0.76
NVNT	ac20	5200	Ant1	97.5	0.11	0.76
NVNT	ac20	5240	Ant1	97.54	0.11	0.76
NVNT	ac40	5190	Ant1	95.16	0.22	1.54
NVNT	ac40	5230	Ant1	95.16	0.22	1.52
NVNT	ac80	5210	Ant1	90.93	0.41	3.12

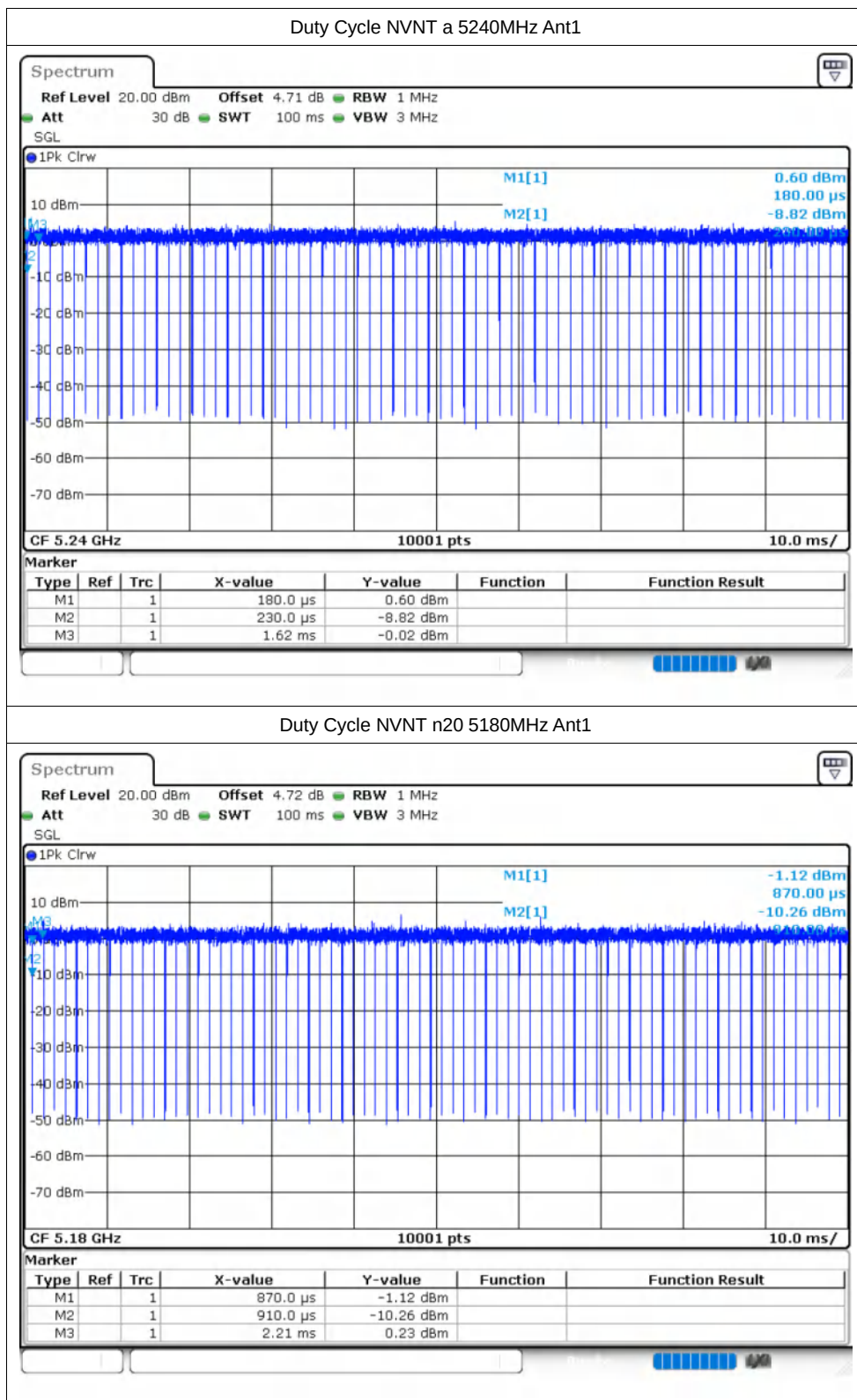
Test Graphs

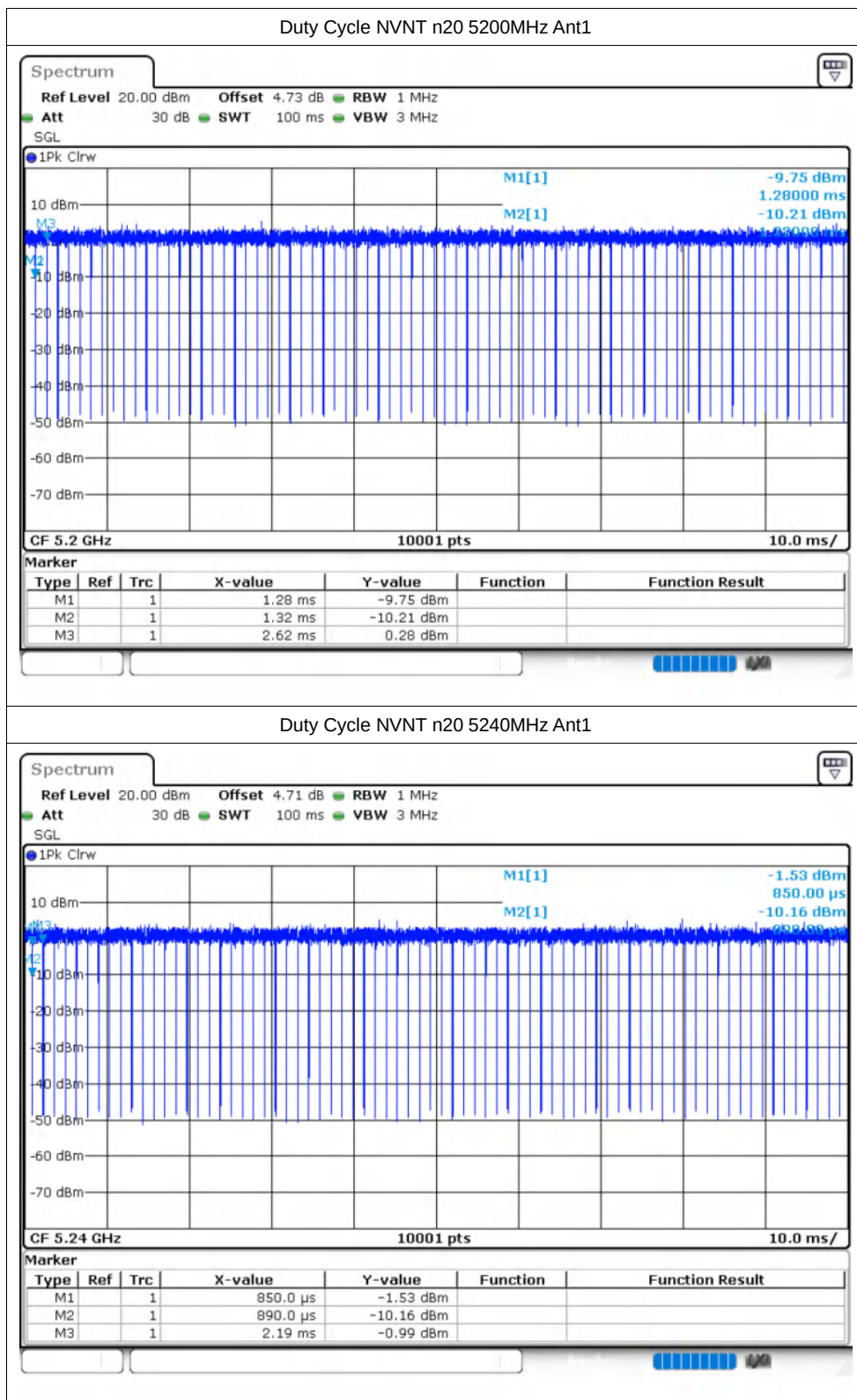
Duty Cycle NVNT a 5180MHz Ant1



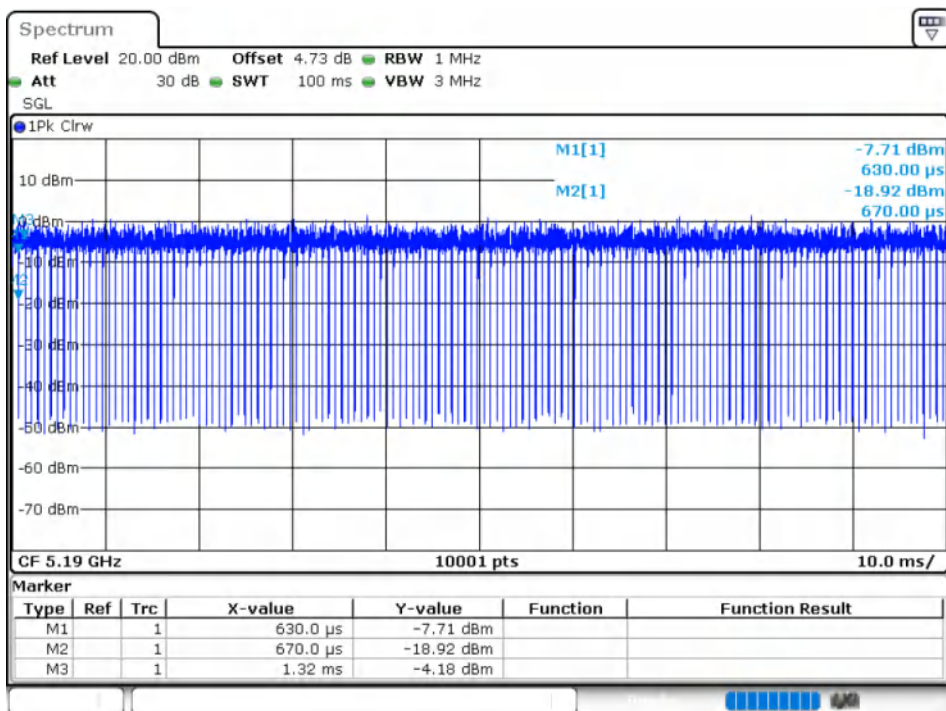
Duty Cycle NVNT a 5200MHz Ant1



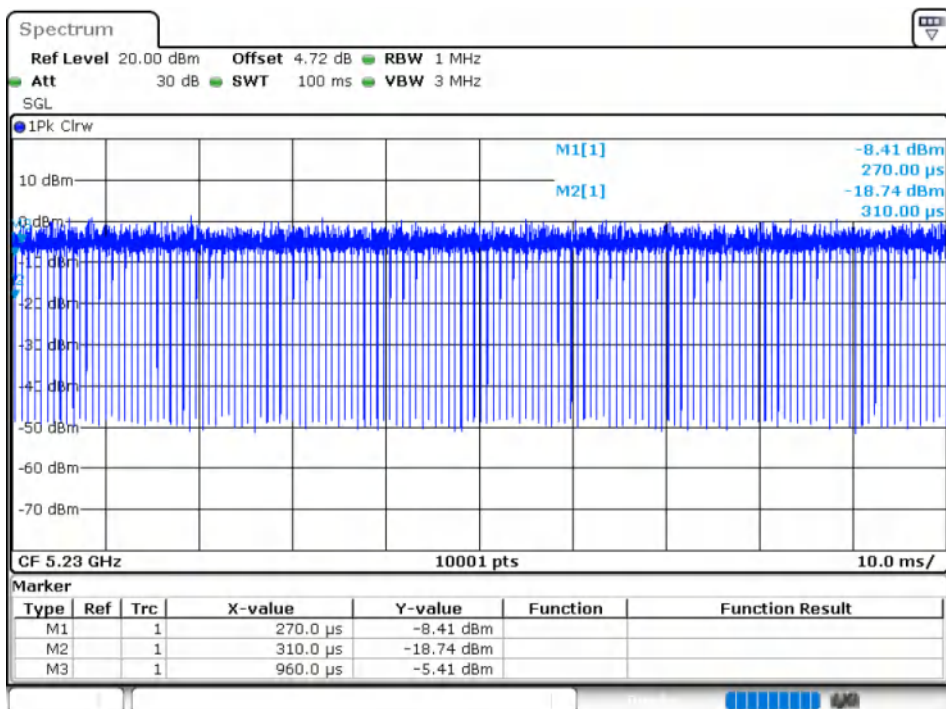


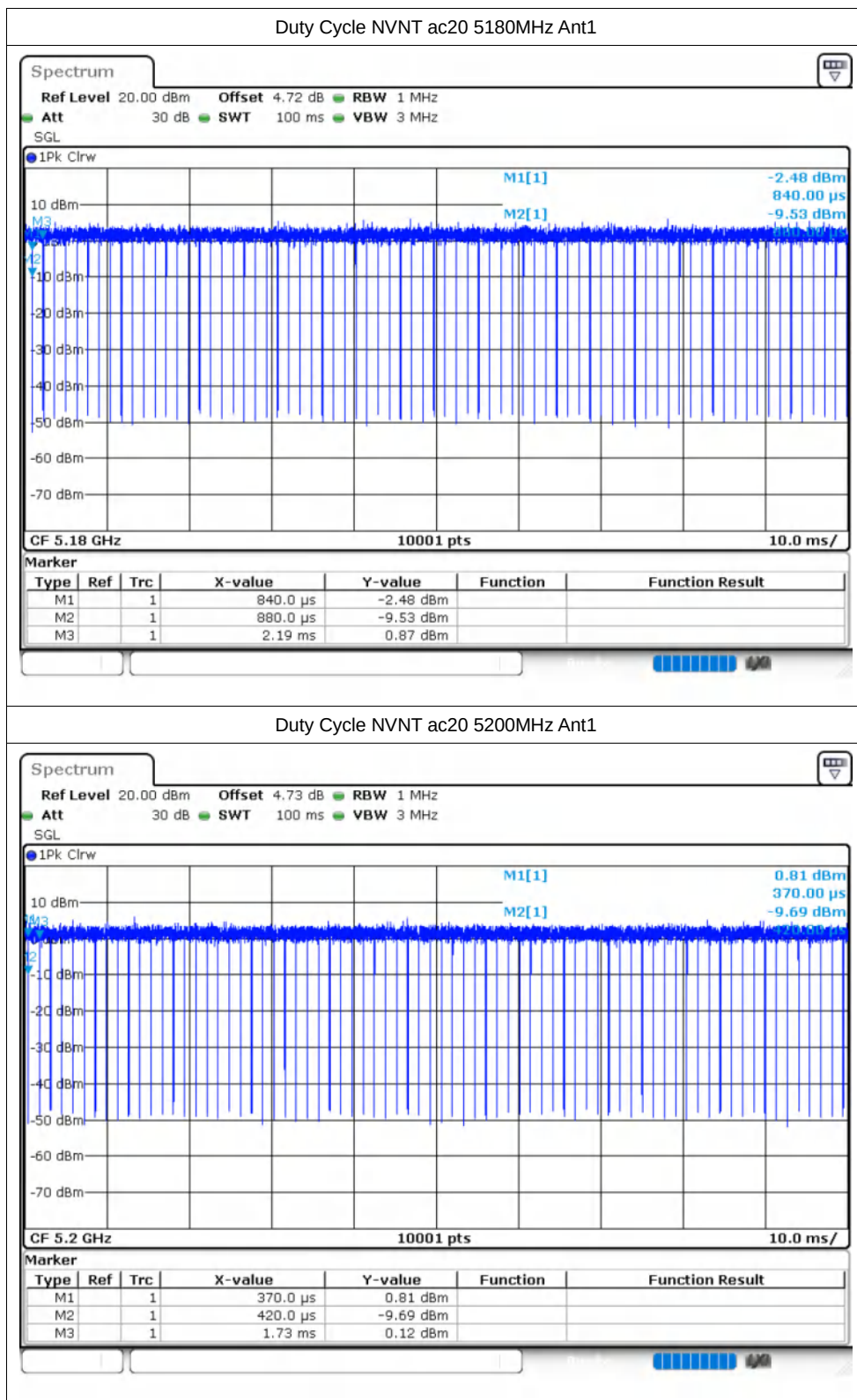


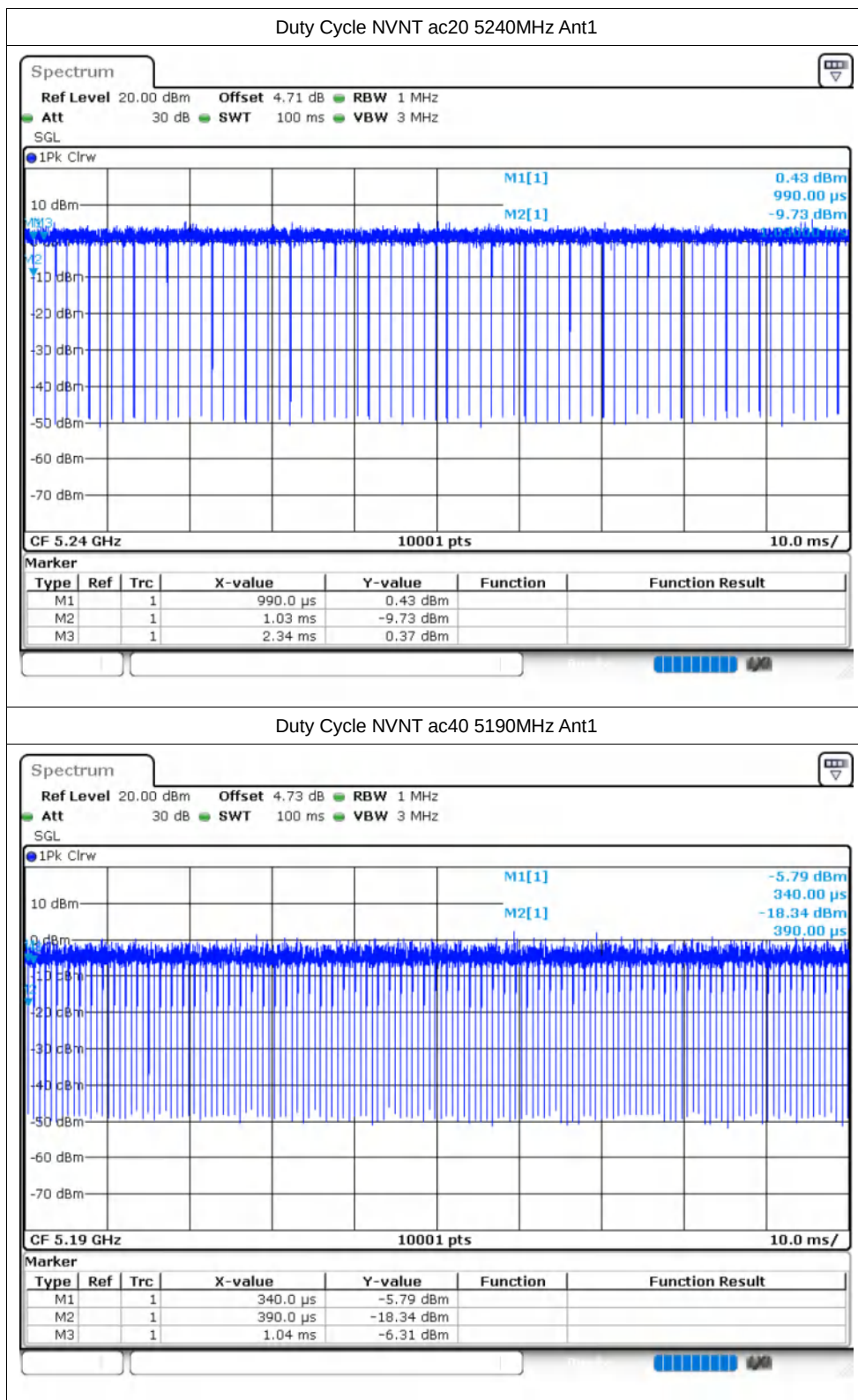
Duty Cycle NVNT n40 5190MHz Ant1

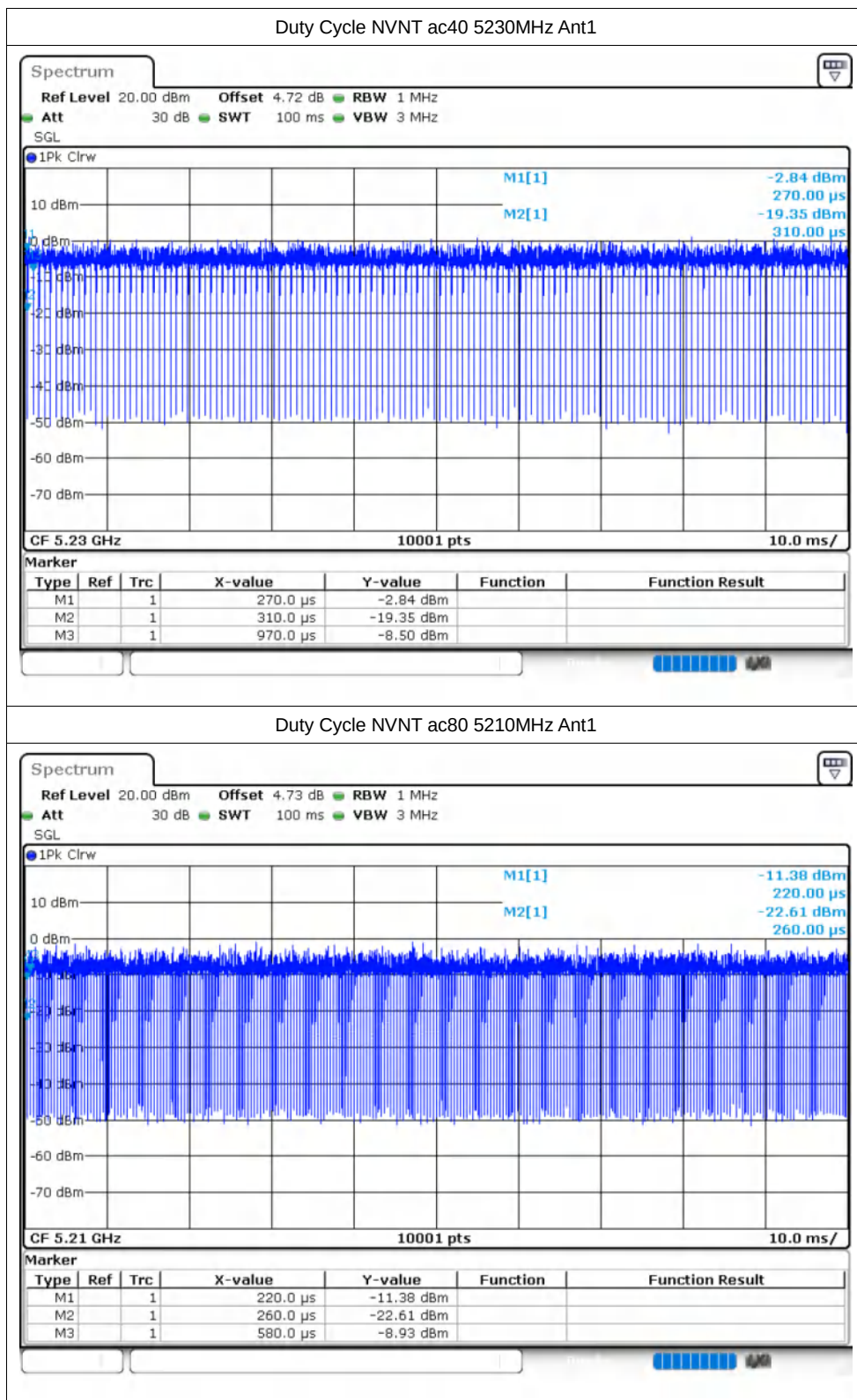


Duty Cycle NVNT n40 5230MHz Ant1









Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	7.83	24	Pass
NVNT	a	5200	Ant1	7.89	24	Pass
NVNT	a	5240	Ant1	8.68	24	Pass
NVNT	n20	5180	Ant1	7.48	24	Pass
NVNT	n20	5200	Ant1	7.88	24	Pass
NVNT	n20	5240	Ant1	8.42	24	Pass
NVNT	n40	5190	Ant1	8.57	24	Pass
NVNT	n40	5230	Ant1	8.95	24	Pass
NVNT	ac20	5180	Ant1	8.29	24	Pass
NVNT	ac20	5200	Ant1	8.64	24	Pass
NVNT	ac20	5240	Ant1	9.1	24	Pass
NVNT	ac40	5190	Ant1	8.31	24	Pass
NVNT	ac40	5230	Ant1	8.88	24	Pass
NVNT	ac80	5210	Ant1	8.6	24	Pass

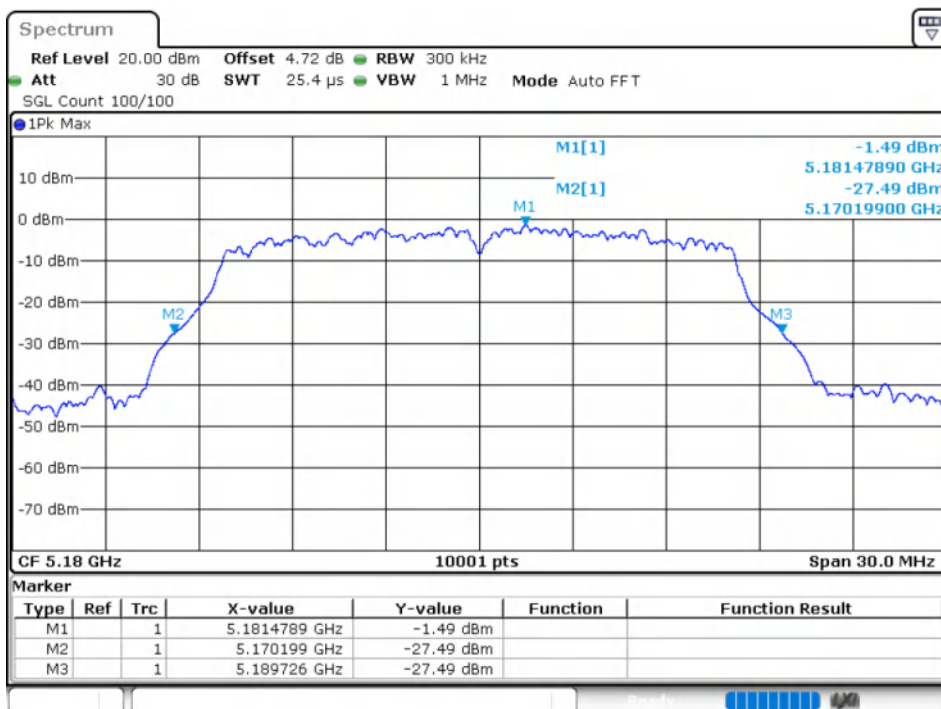
Note: The average power has contain duty cycle factor

-26dB Bandwidth

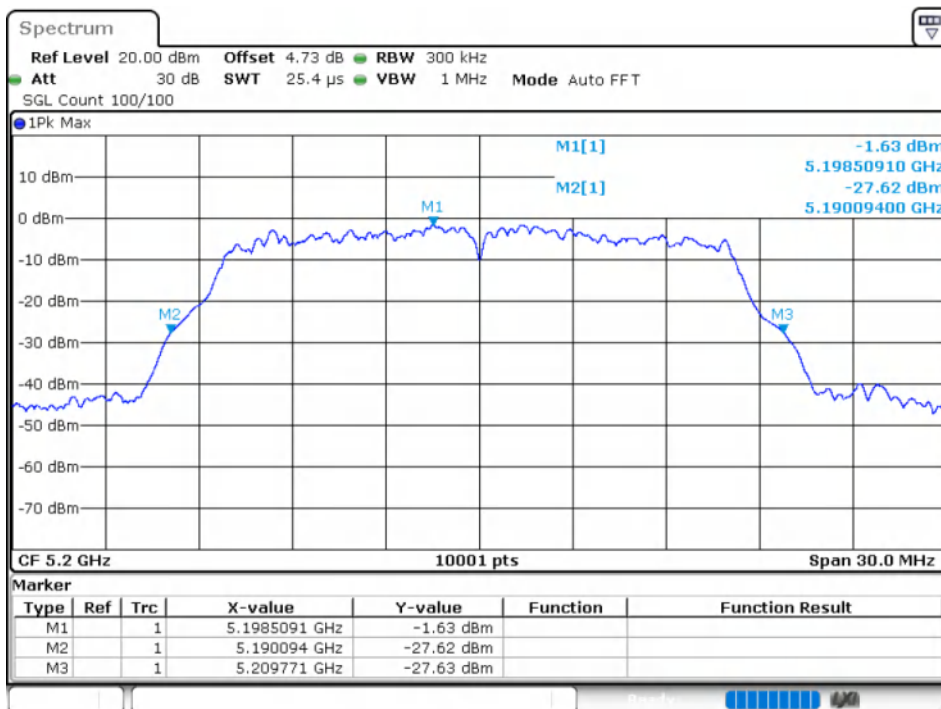
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.527	Pass
NVNT	a	5200	Ant1	19.677	Pass
NVNT	a	5240	Ant1	19.431	Pass
NVNT	n20	5180	Ant1	20.235	Pass
NVNT	n20	5200	Ant1	20.25	Pass
NVNT	n20	5240	Ant1	20.355	Pass
NVNT	n40	5190	Ant1	40.908	Pass
NVNT	n40	5230	Ant1	40.494	Pass
NVNT	ac20	5180	Ant1	20.052	Pass
NVNT	ac20	5200	Ant1	19.821	Pass
NVNT	ac20	5240	Ant1	20.43	Pass
NVNT	ac40	5190	Ant1	40.728	Pass
NVNT	ac40	5230	Ant1	40.614	Pass
NVNT	ac80	5210	Ant1	81.204	Pass

Test Graphs

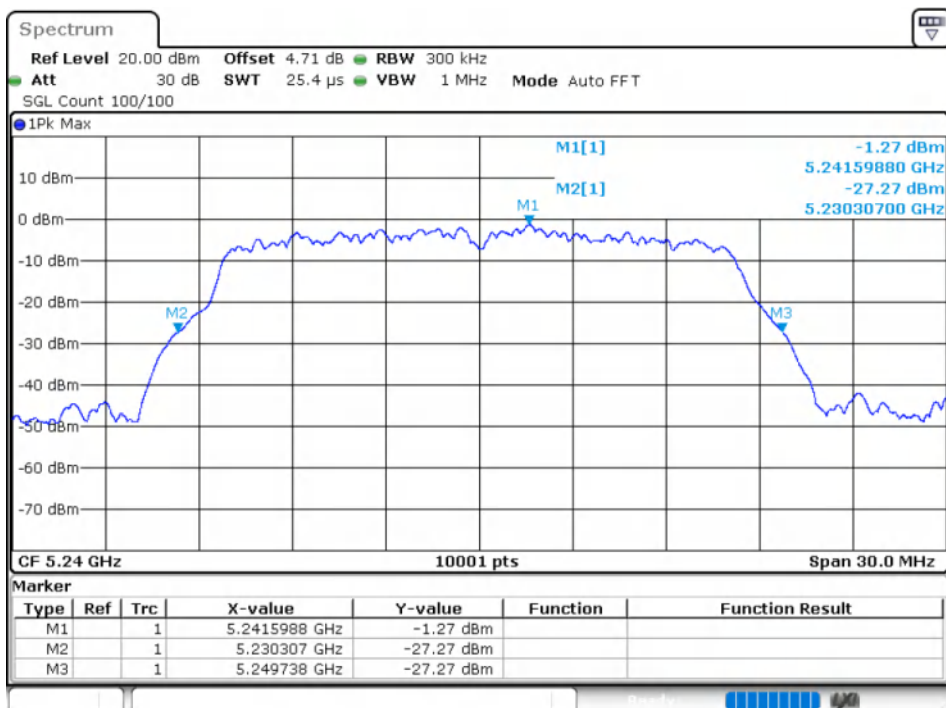
-26dB Bandwidth NVNT a 5180MHz Ant1



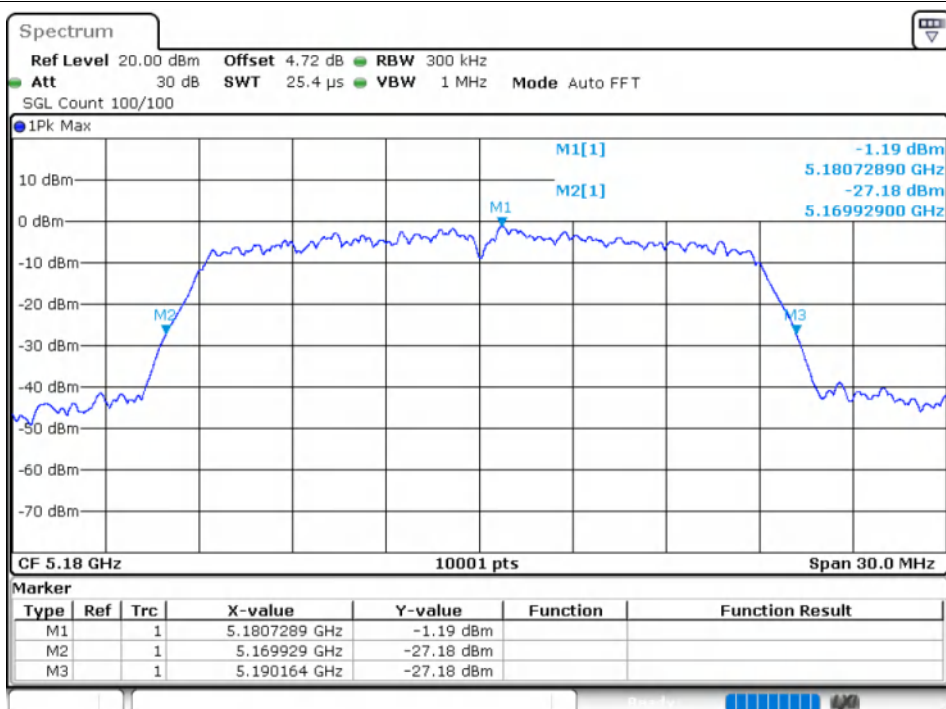
-26dB Bandwidth NVNT a 5200MHz Ant1

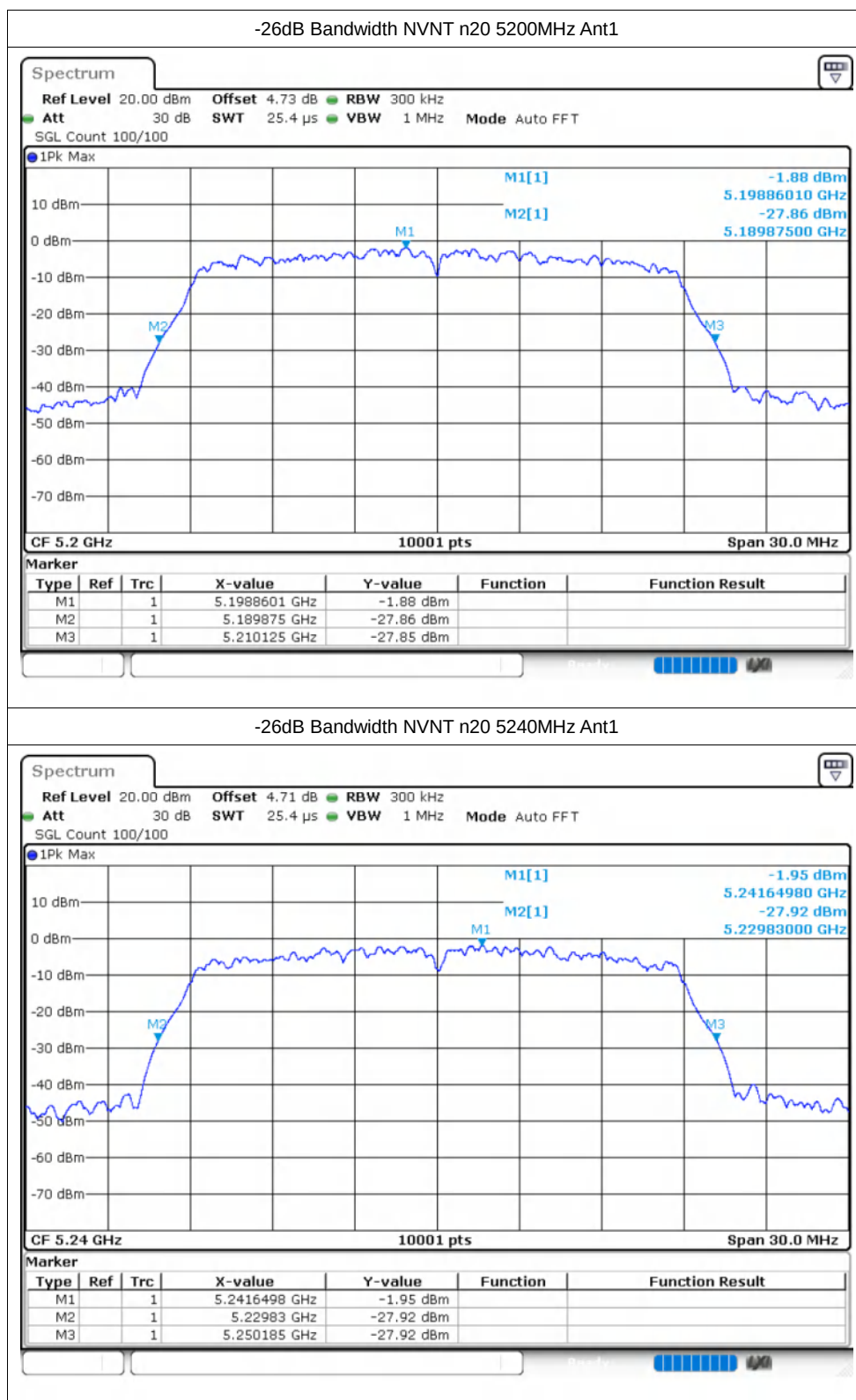


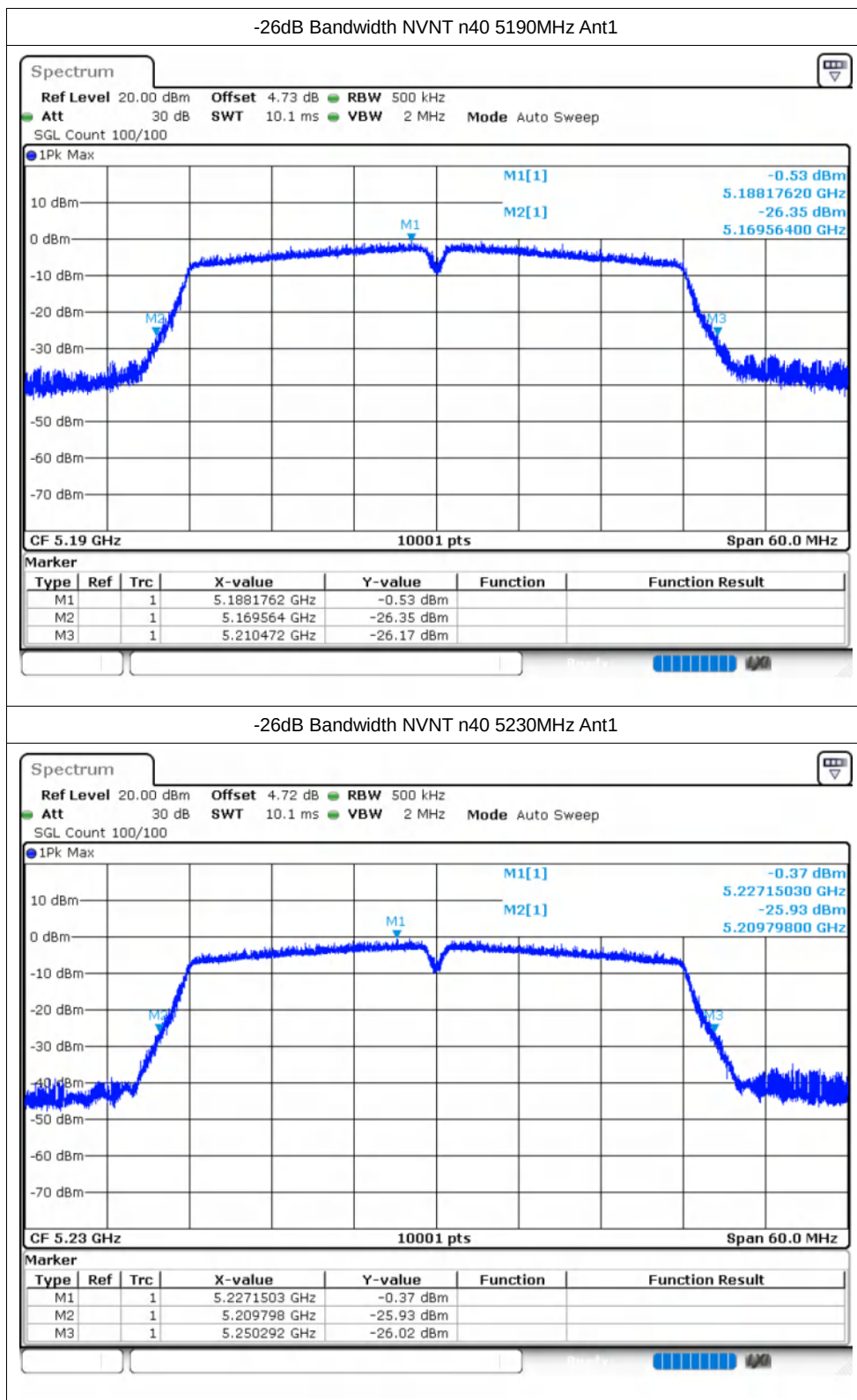
-26dB Bandwidth NVNT a 5240MHz Ant1

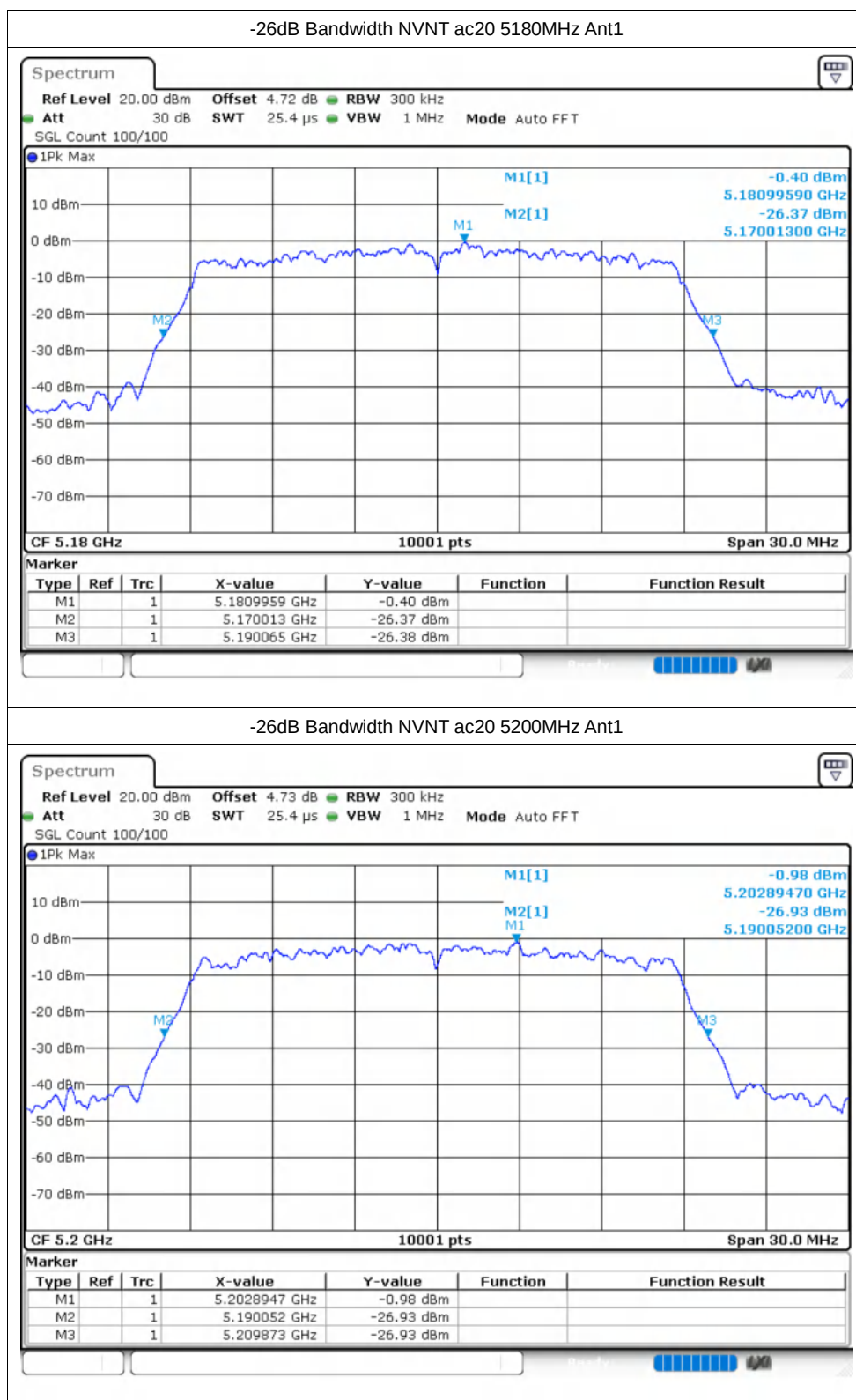


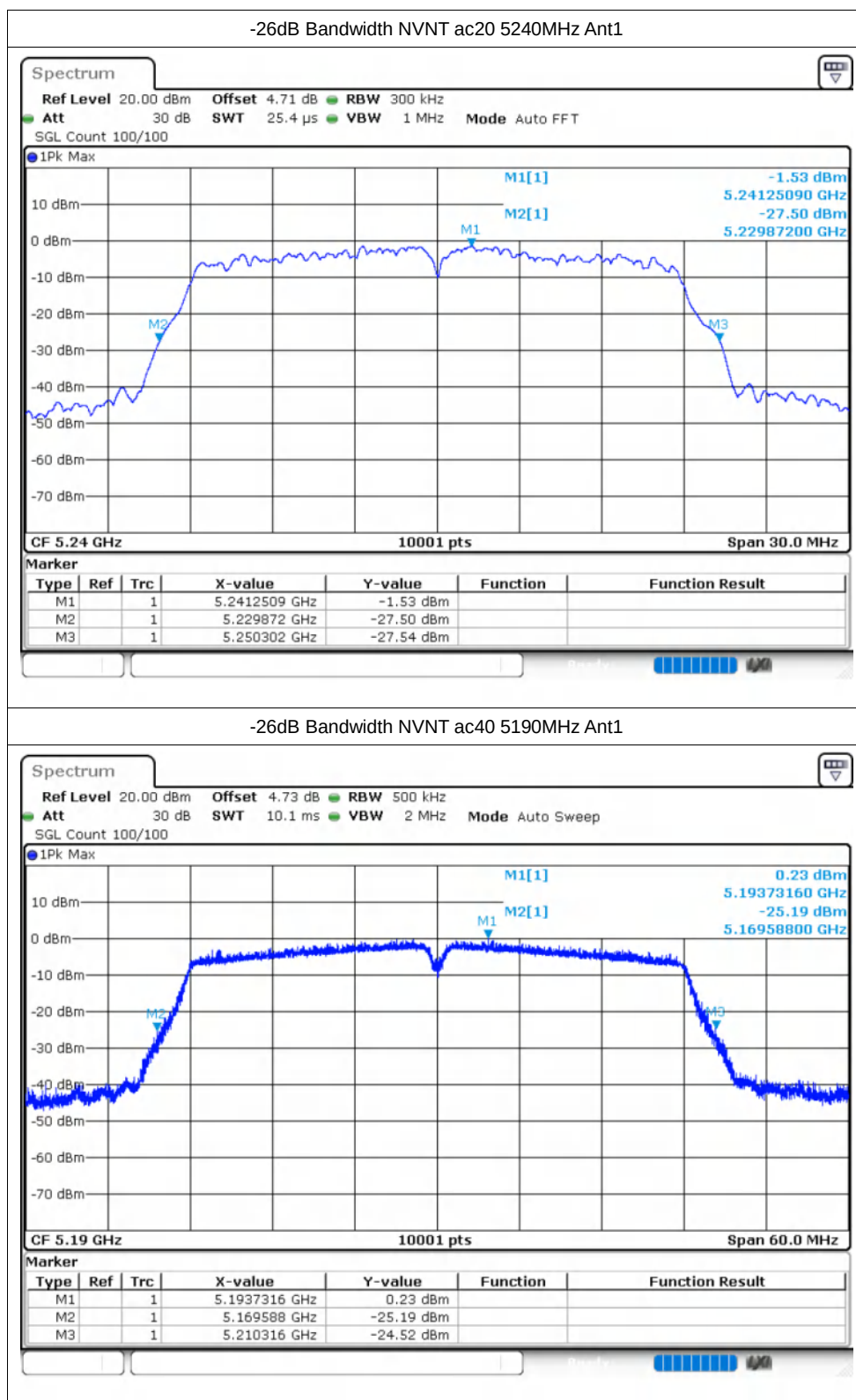
-26dB Bandwidth NVNT n20 5180MHz Ant1

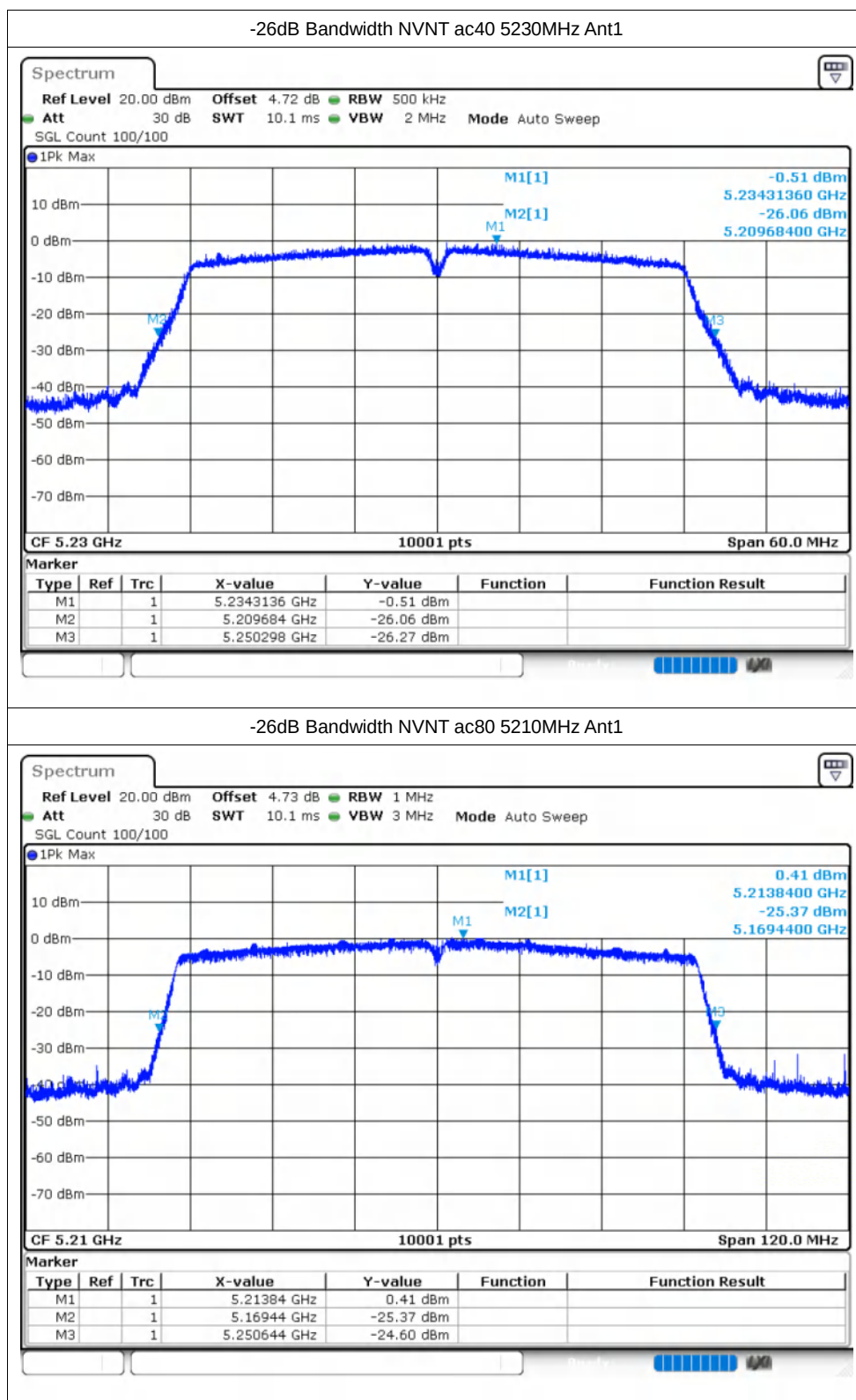










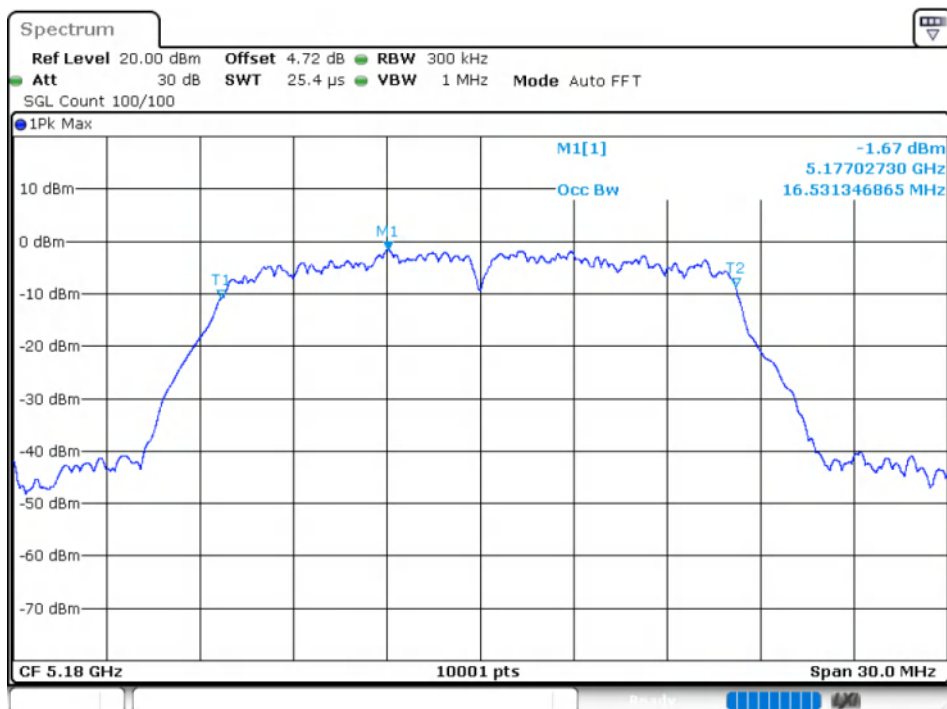


Occupied Channel Bandwidth

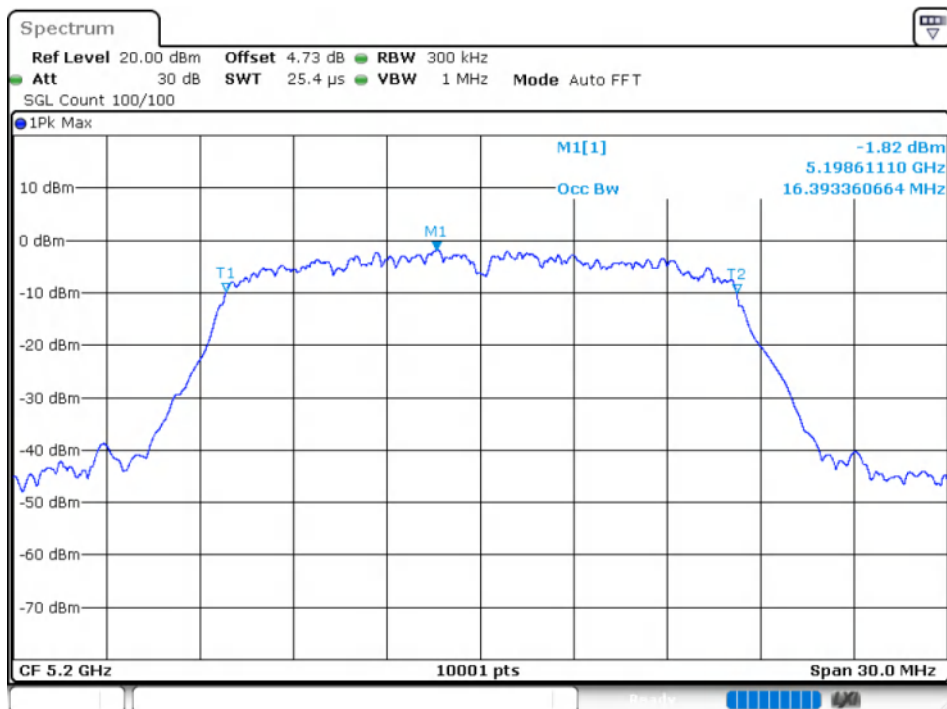
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.531
NVNT	a	5200	Ant1	16.393
NVNT	a	5240	Ant1	16.474
NVNT	n20	5180	Ant1	17.53
NVNT	n20	5200	Ant1	17.554
NVNT	n20	5240	Ant1	17.557
NVNT	n40	5190	Ant1	36.002
NVNT	n40	5230	Ant1	36.032
NVNT	ac20	5180	Ant1	17.518
NVNT	ac20	5200	Ant1	17.65
NVNT	ac20	5240	Ant1	17.647
NVNT	ac40	5190	Ant1	35.984
NVNT	ac40	5230	Ant1	36.026
NVNT	ac80	5210	Ant1	75.148

Test Graphs

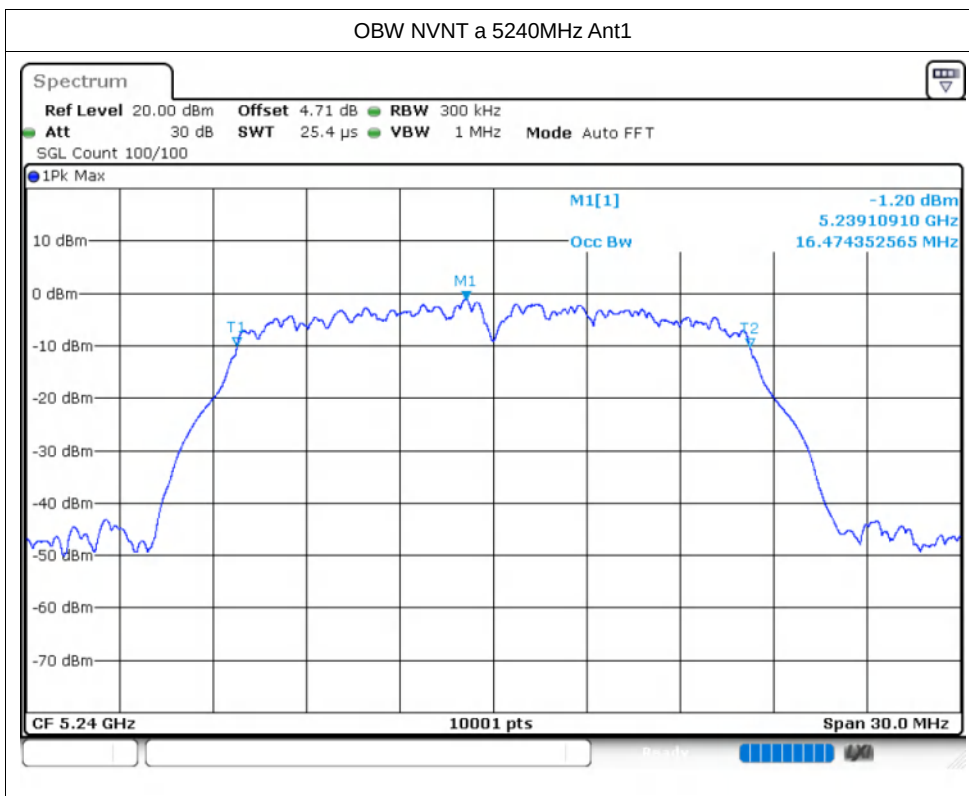
OBW NVNT a 5180MHz Ant1



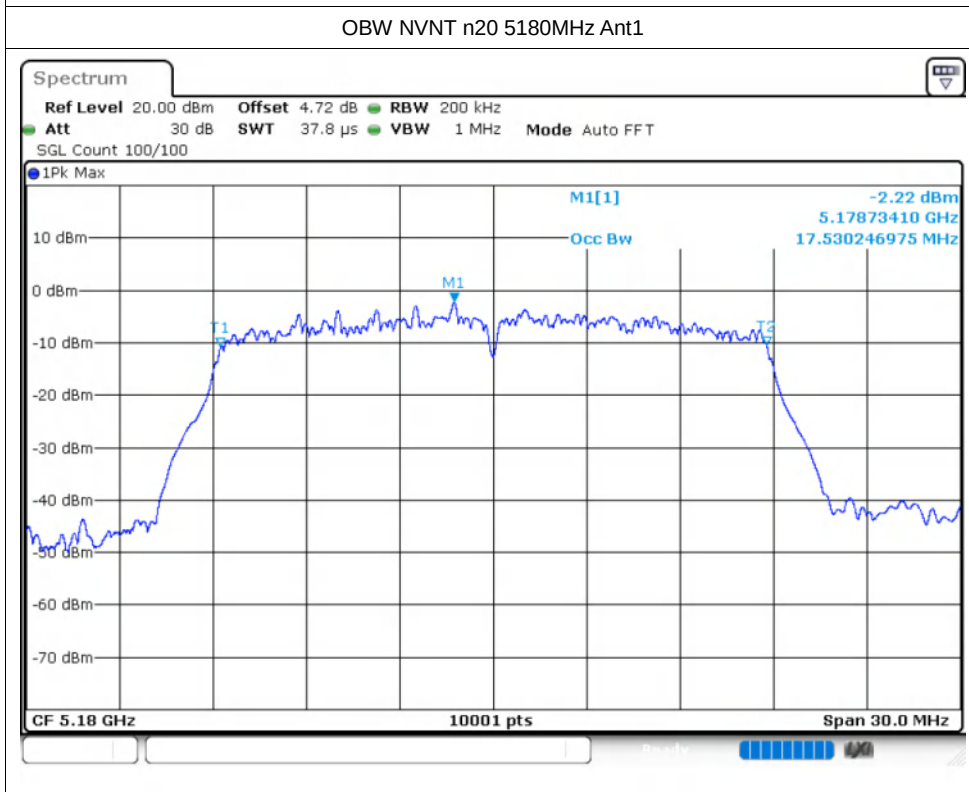
OBW NVNT a 5200MHz Ant1

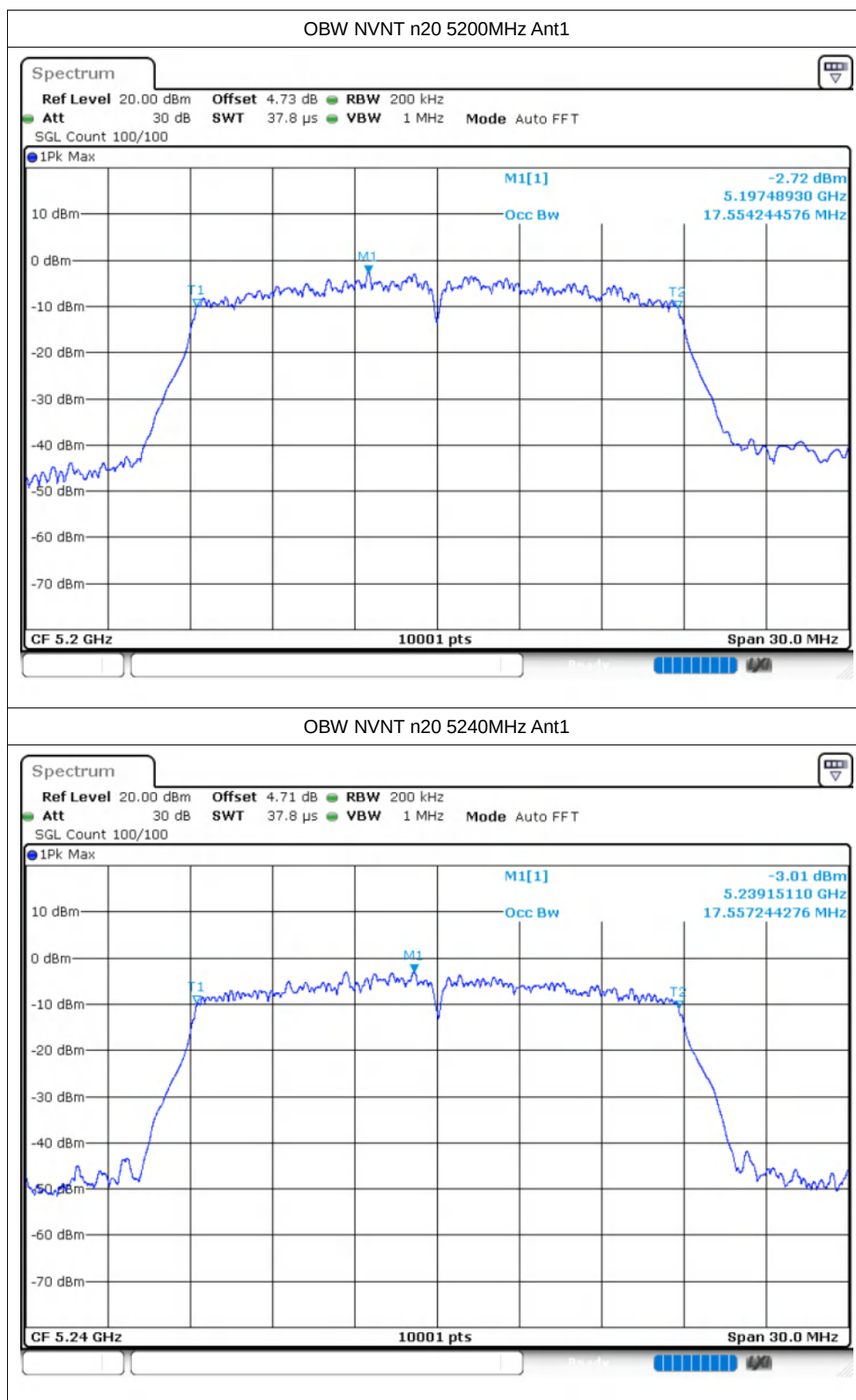


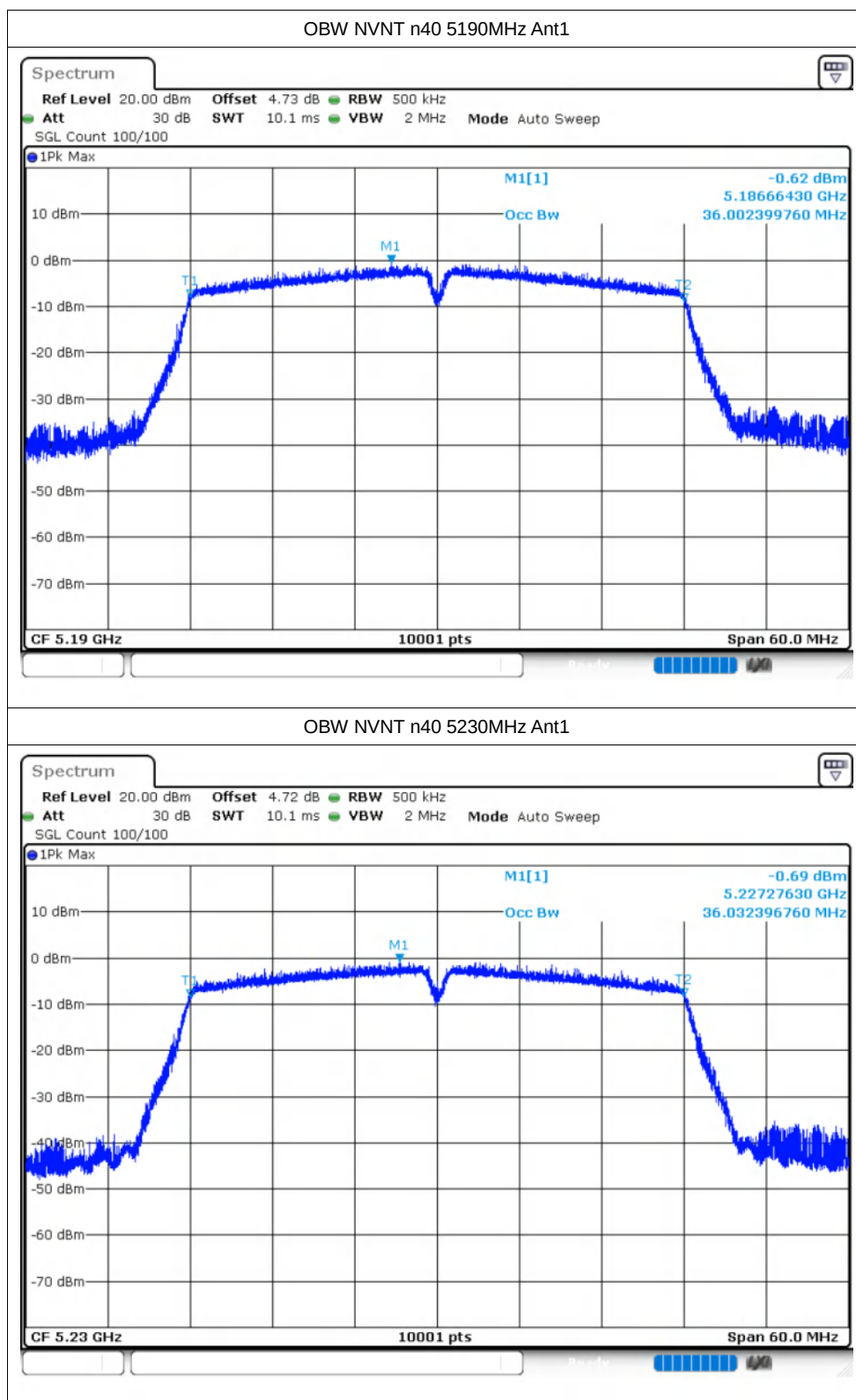
OBW NVNT a 5240MHz Ant1

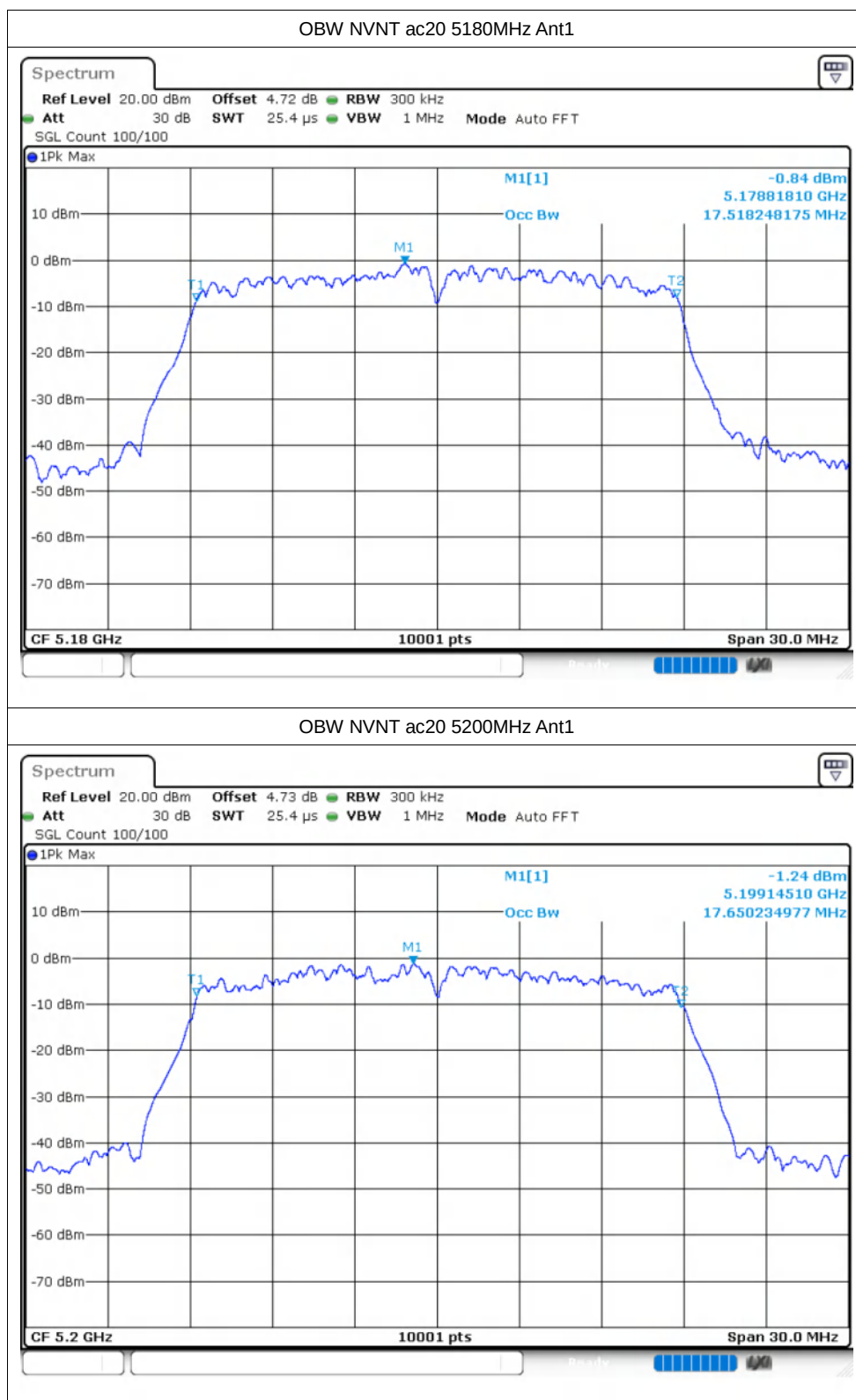


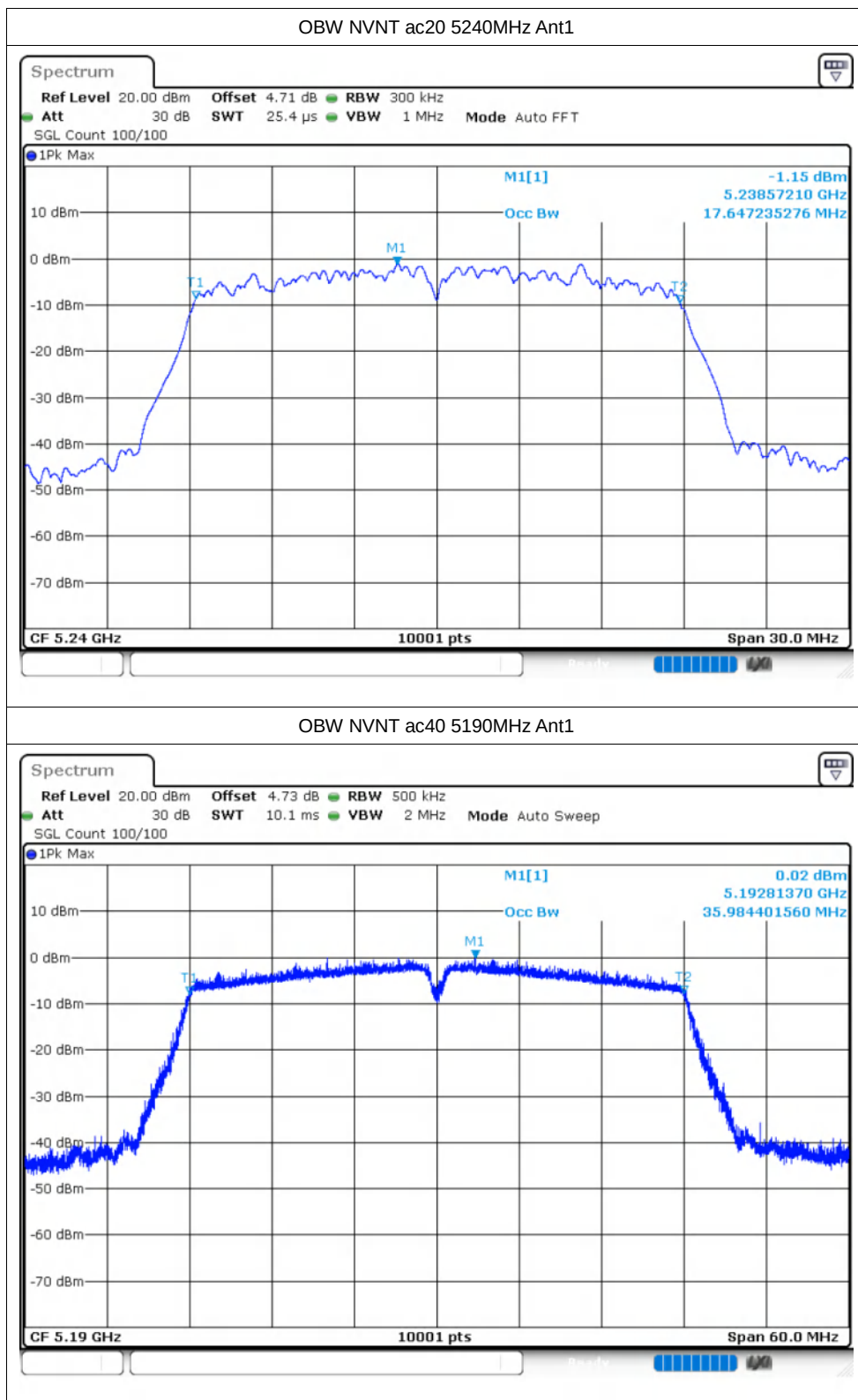
OBW NVNT n20 5180MHz Ant1

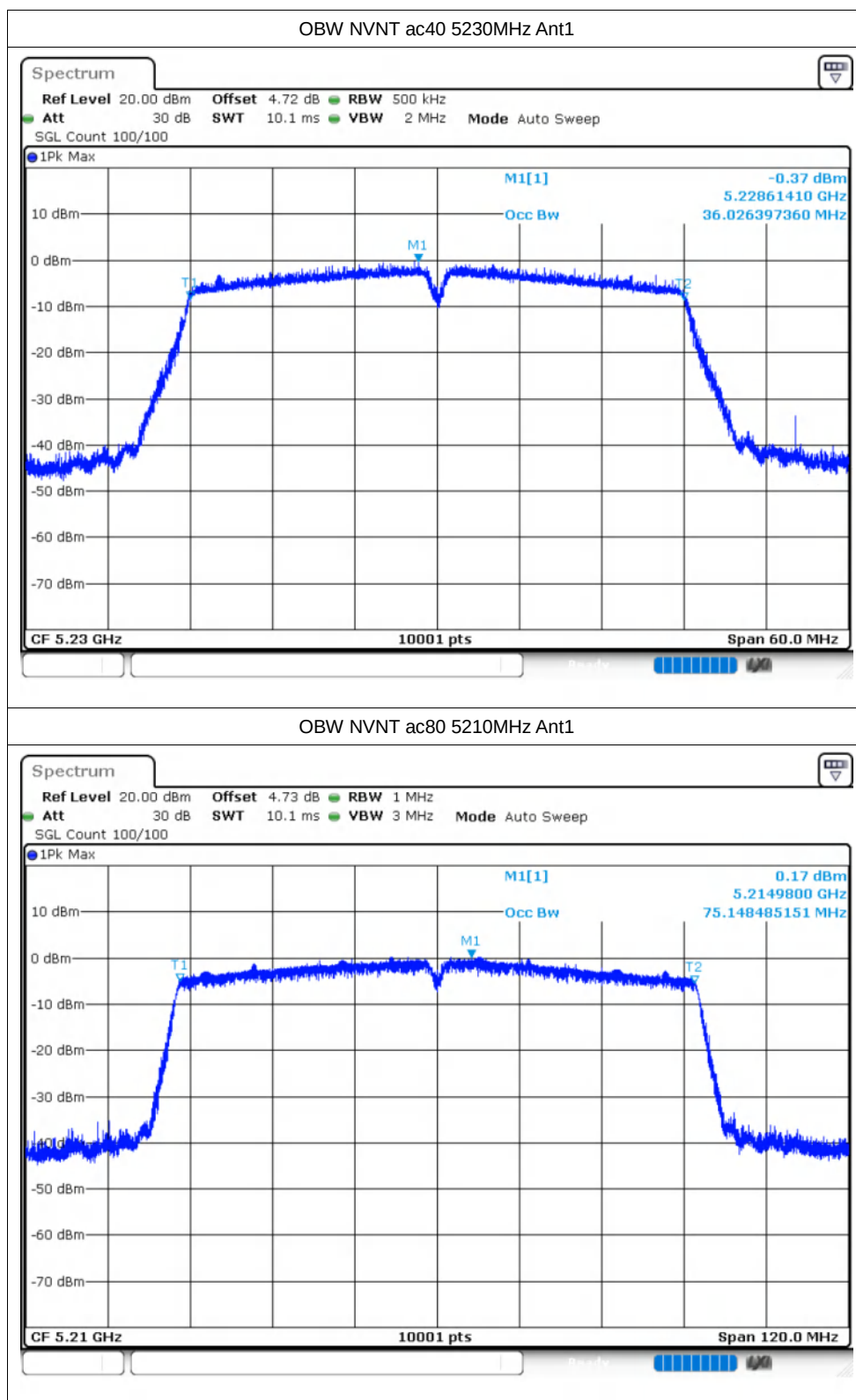










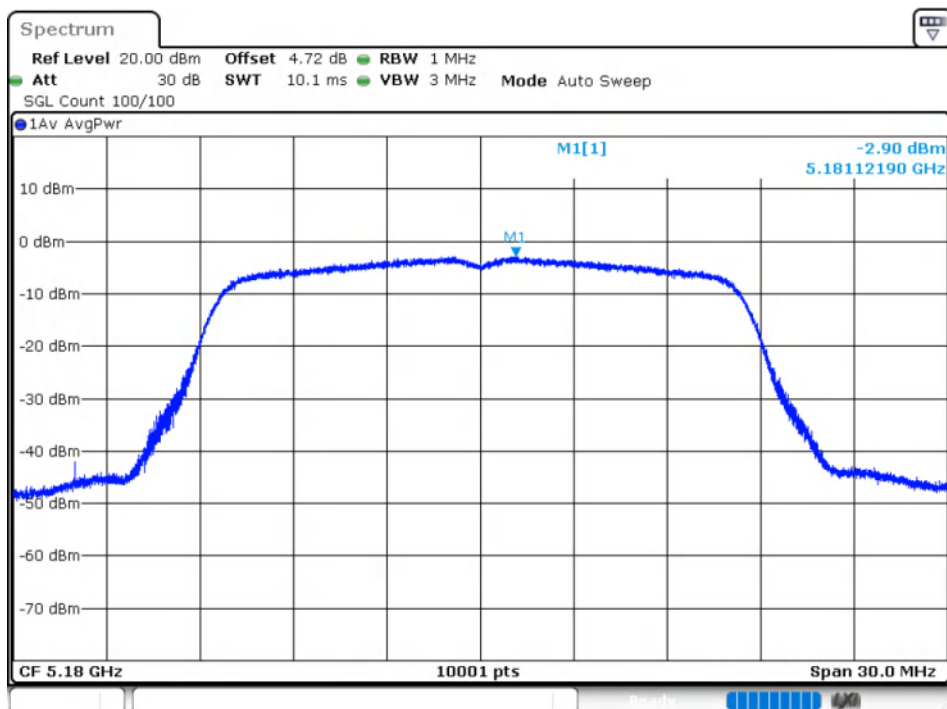


Maximum Power Spectral Density Level

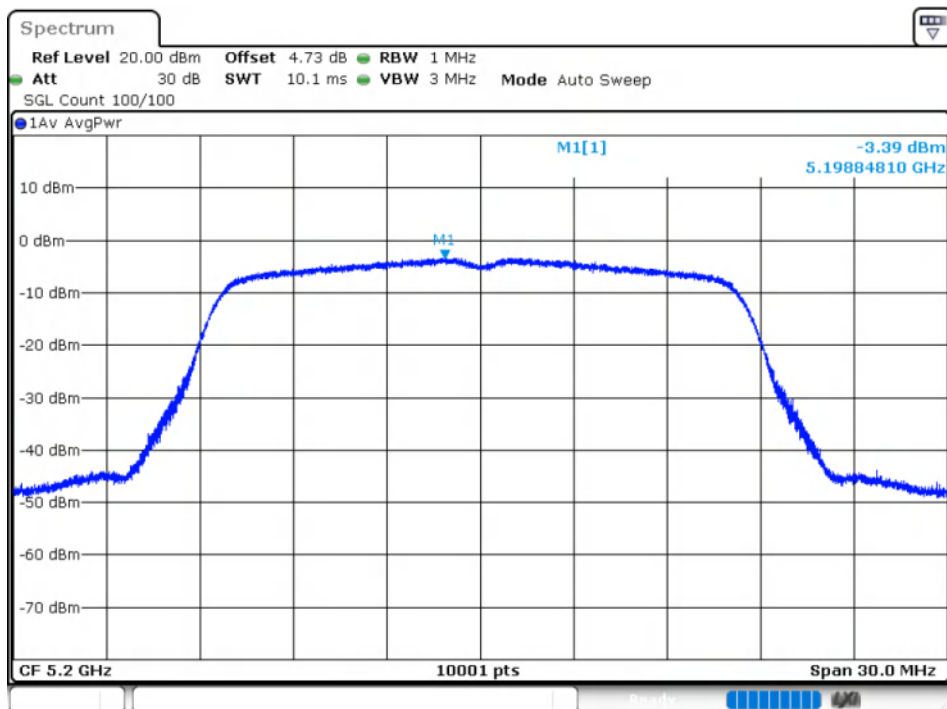
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-2.9	0.1	-2.8	11	Pass
NVNT	a	5200	Ant1	-3.39	0.1	-3.29	11	Pass
NVNT	a	5240	Ant1	-2.94	0.1	-2.84	11	Pass
NVNT	n20	5180	Ant1	-3.35	0.11	-3.24	11	Pass
NVNT	n20	5200	Ant1	-3.4	0.11	-3.29	11	Pass
NVNT	n20	5240	Ant1	-3.32	0.11	-3.21	11	Pass
NVNT	n40	5190	Ant1	-5.79	0.22	-5.57	11	Pass
NVNT	n40	5230	Ant1	-5.88	0.22	-5.66	11	Pass
NVNT	ac20	5180	Ant1	-2.54	0.11	-2.43	11	Pass
NVNT	ac20	5200	Ant1	-2.9	0.11	-2.79	11	Pass
NVNT	ac20	5240	Ant1	-3	0.11	-2.89	11	Pass
NVNT	ac40	5190	Ant1	-5.27	0.22	-5.05	11	Pass
NVNT	ac40	5230	Ant1	-5.76	0.22	-5.54	11	Pass
NVNT	ac80	5210	Ant1	-8.7	0.41	-8.29	11	Pass

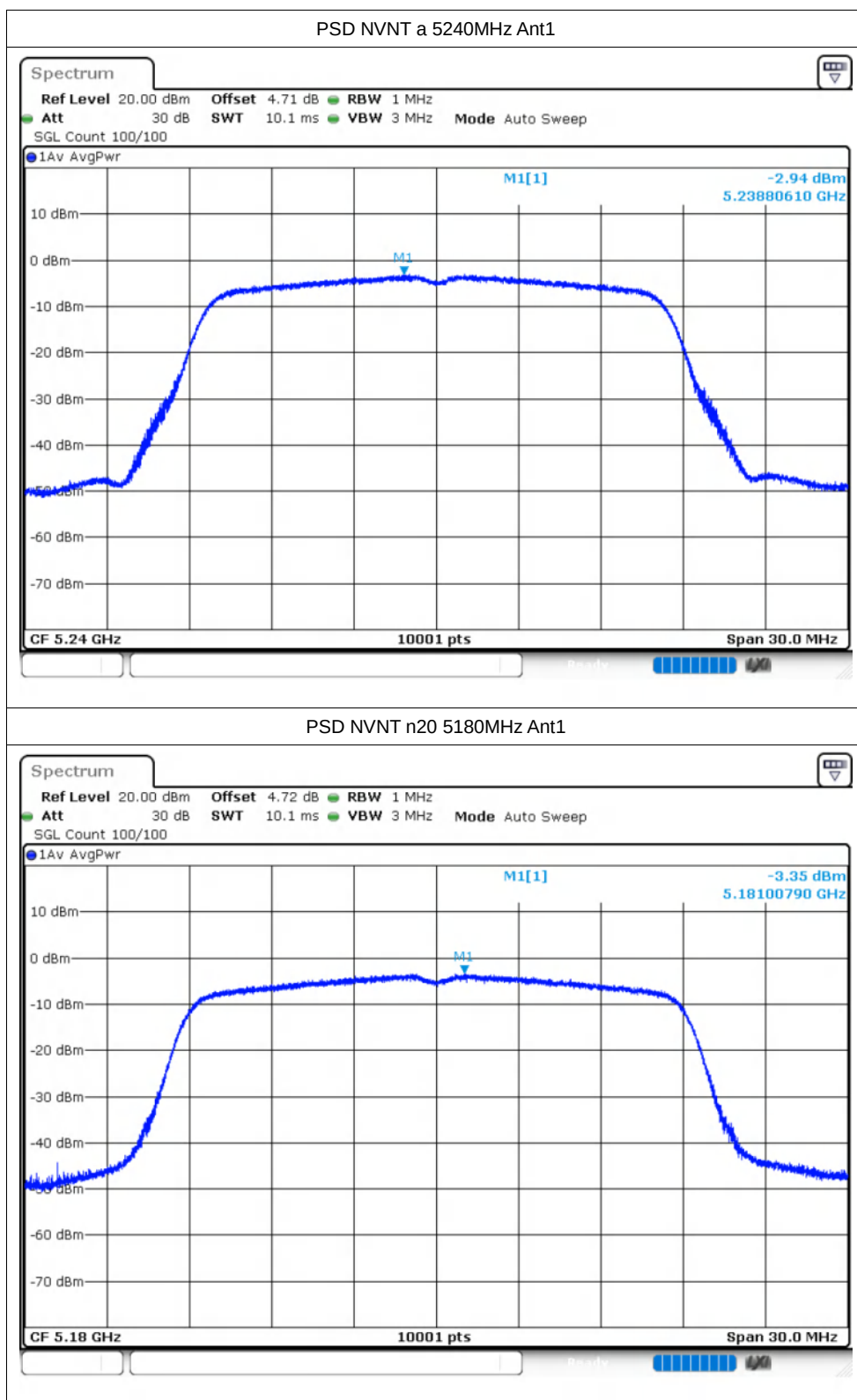
Test Graphs

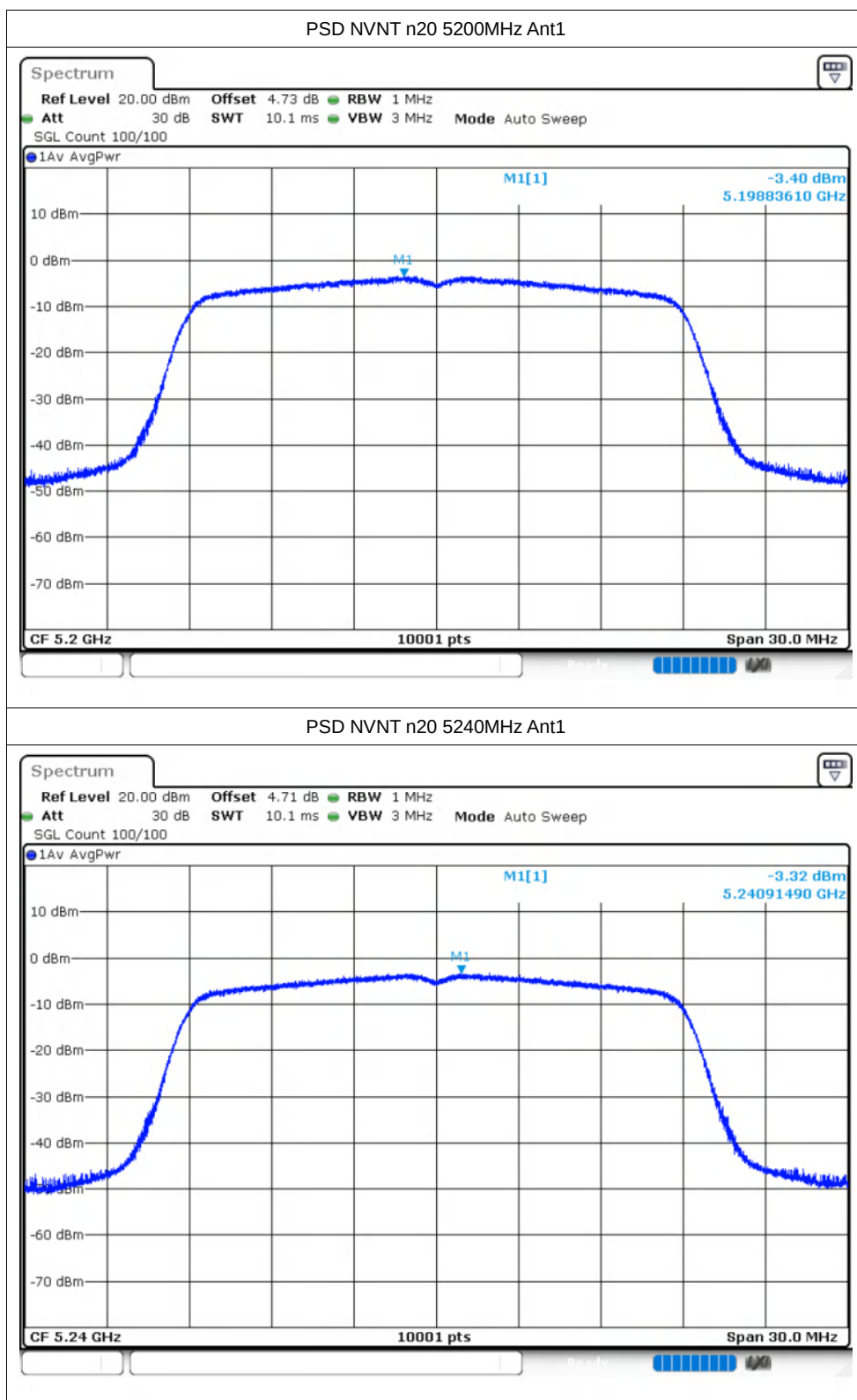
PSD NVNT a 5180MHz Ant1

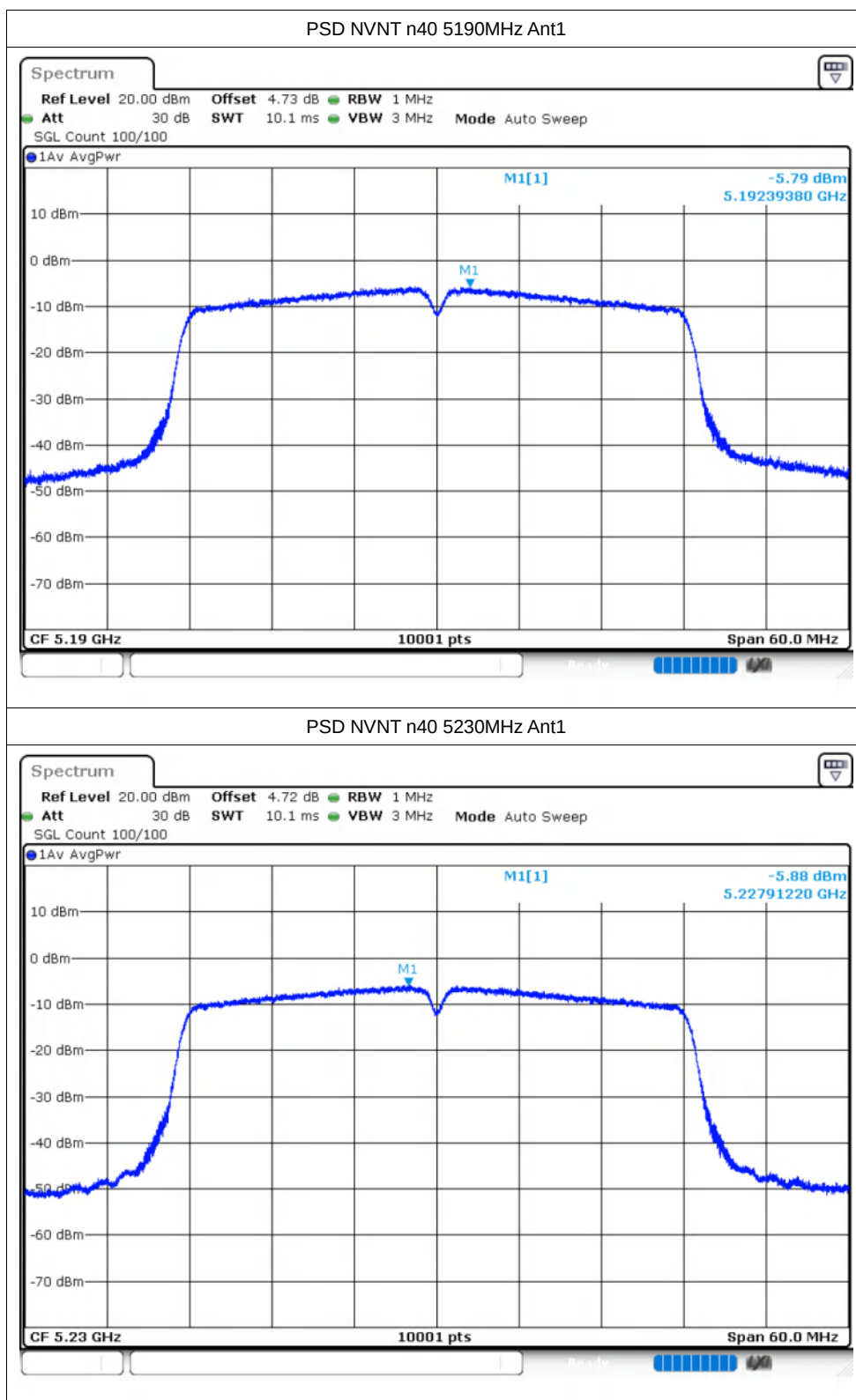


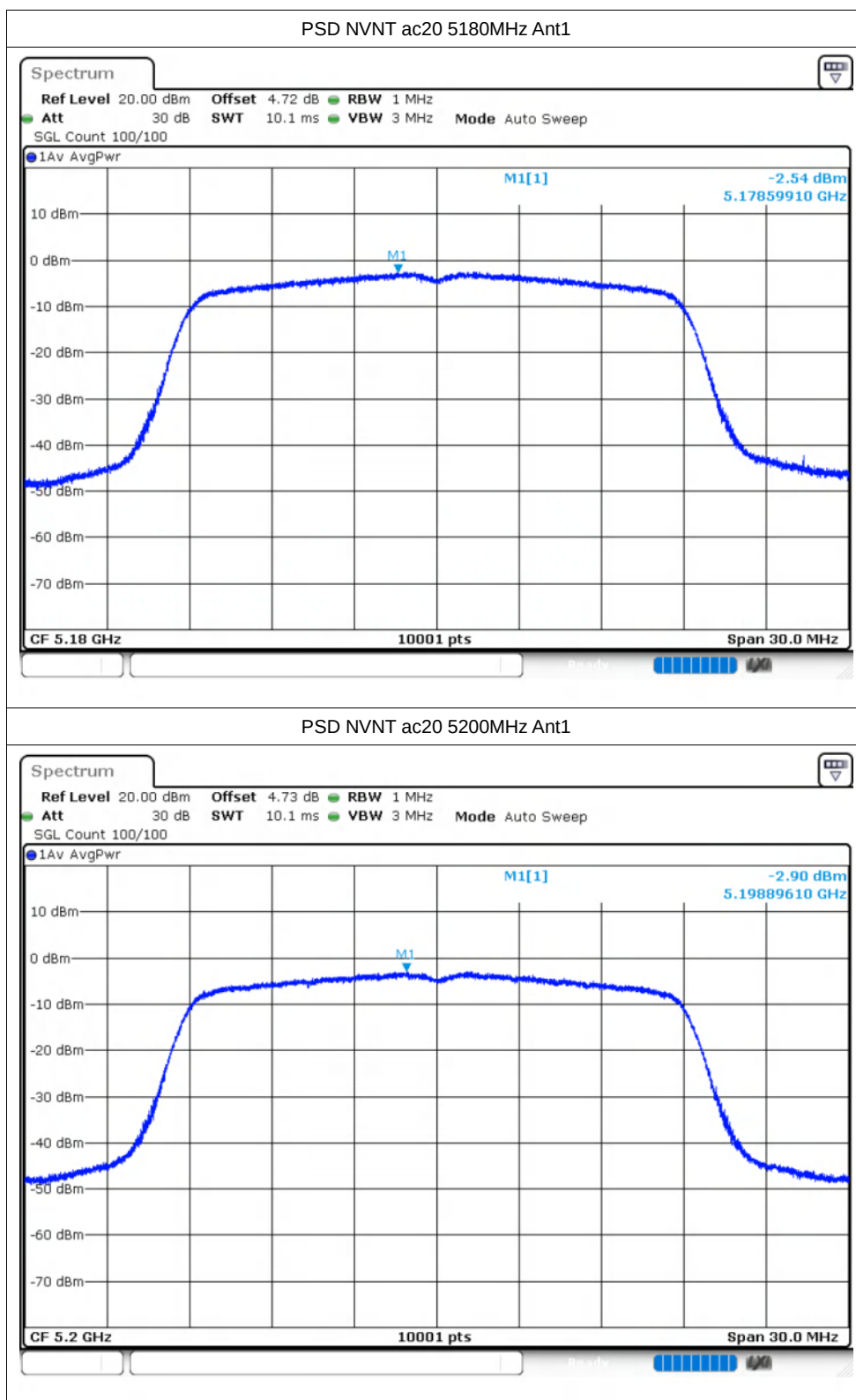
PSD NVNT a 5200MHz Ant1

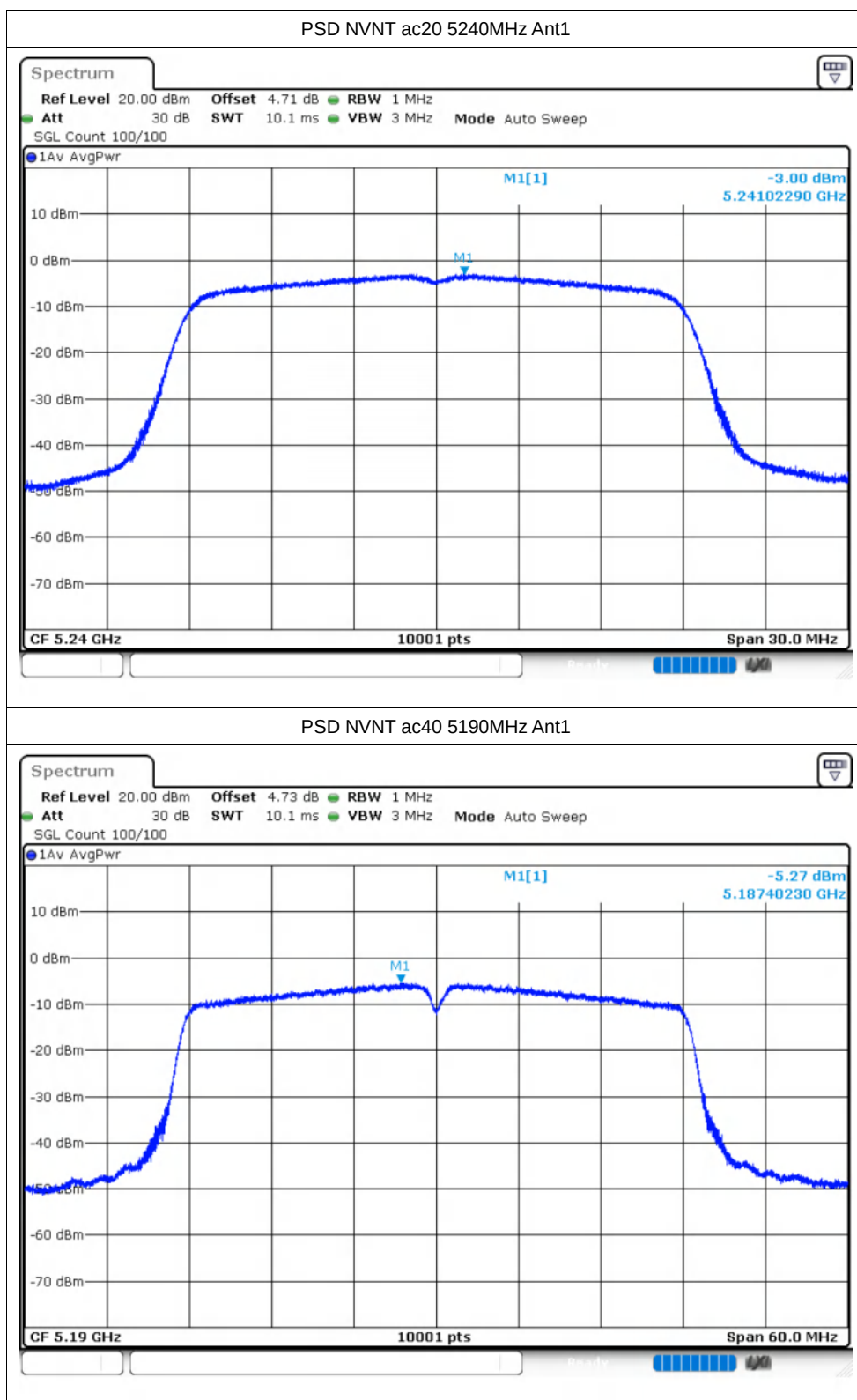


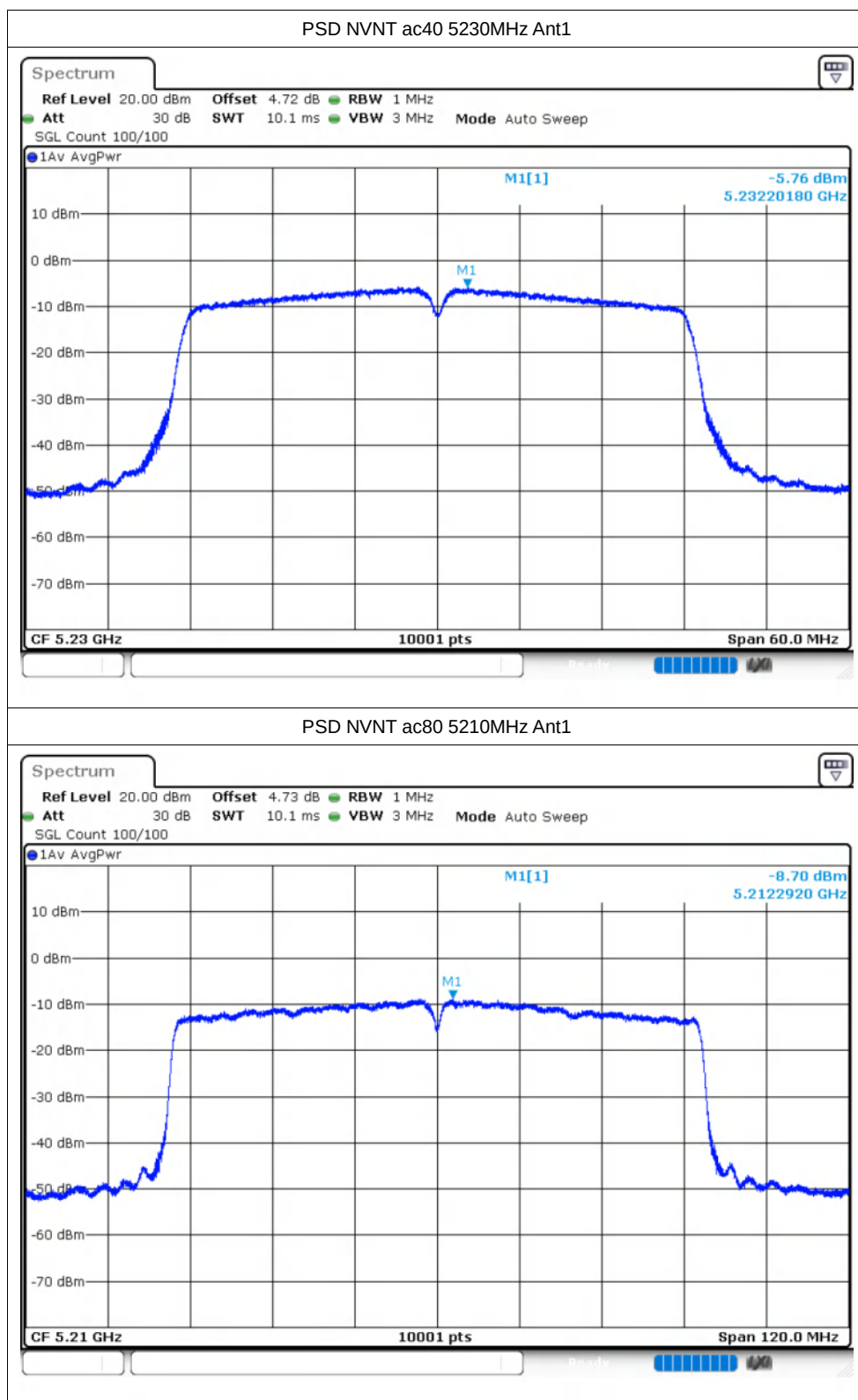












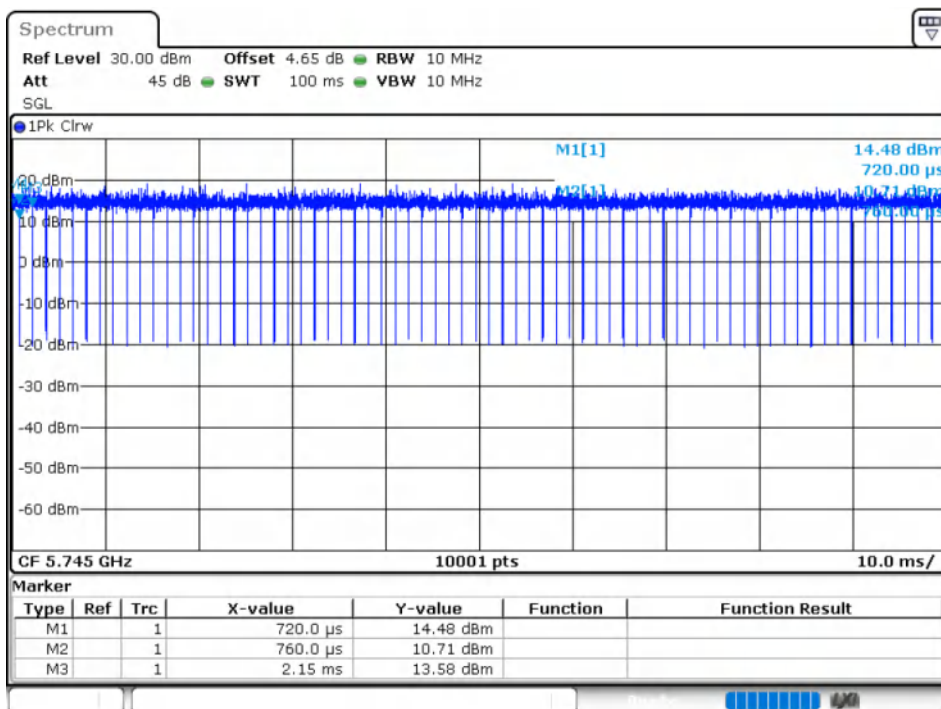
WIFI 5.8G

Duty Cycle

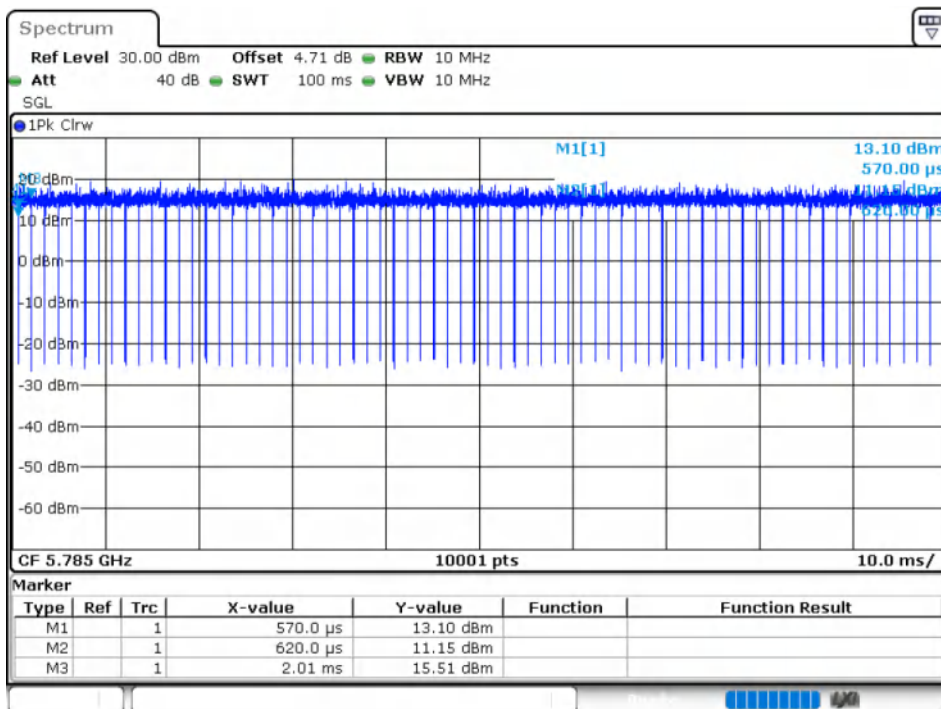
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	97.59	0.11	0.72
NVNT	a	5785	Ant1	97.58	0.11	0.72
NVNT	a	5825	Ant1	97.62	0.1	0.72
NVNT	n20	5745	Ant1	97.45	0.11	0.77
NVNT	n20	5785	Ant1	97.38	0.12	0.77
NVNT	n20	5825	Ant1	97.44	0.11	0.77
NVNT	n40	5755	Ant1	95.09	0.22	1.54
NVNT	n40	5795	Ant1	95.11	0.22	1.54
NVNT	ac20	5745	Ant1	97.46	0.11	0.76
NVNT	ac20	5785	Ant1	97.47	0.11	0.76
NVNT	ac20	5825	Ant1	97.41	0.11	0.76
NVNT	ac40	5755	Ant1	95.11	0.22	1.54
NVNT	ac40	5795	Ant1	95.08	0.22	1.54
NVNT	ac80	5775	Ant1	90.64	0.43	3.12

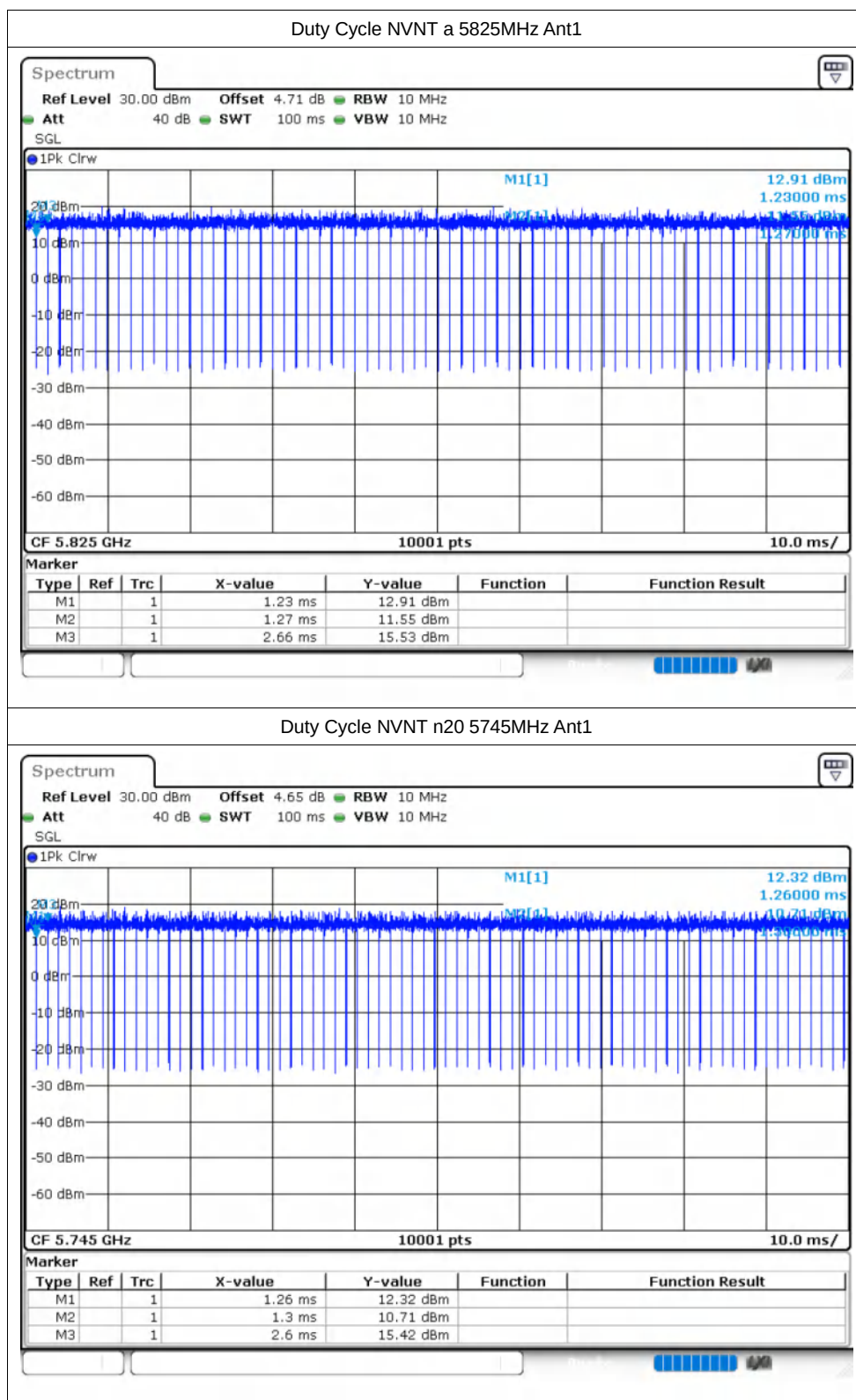
Test Graphs

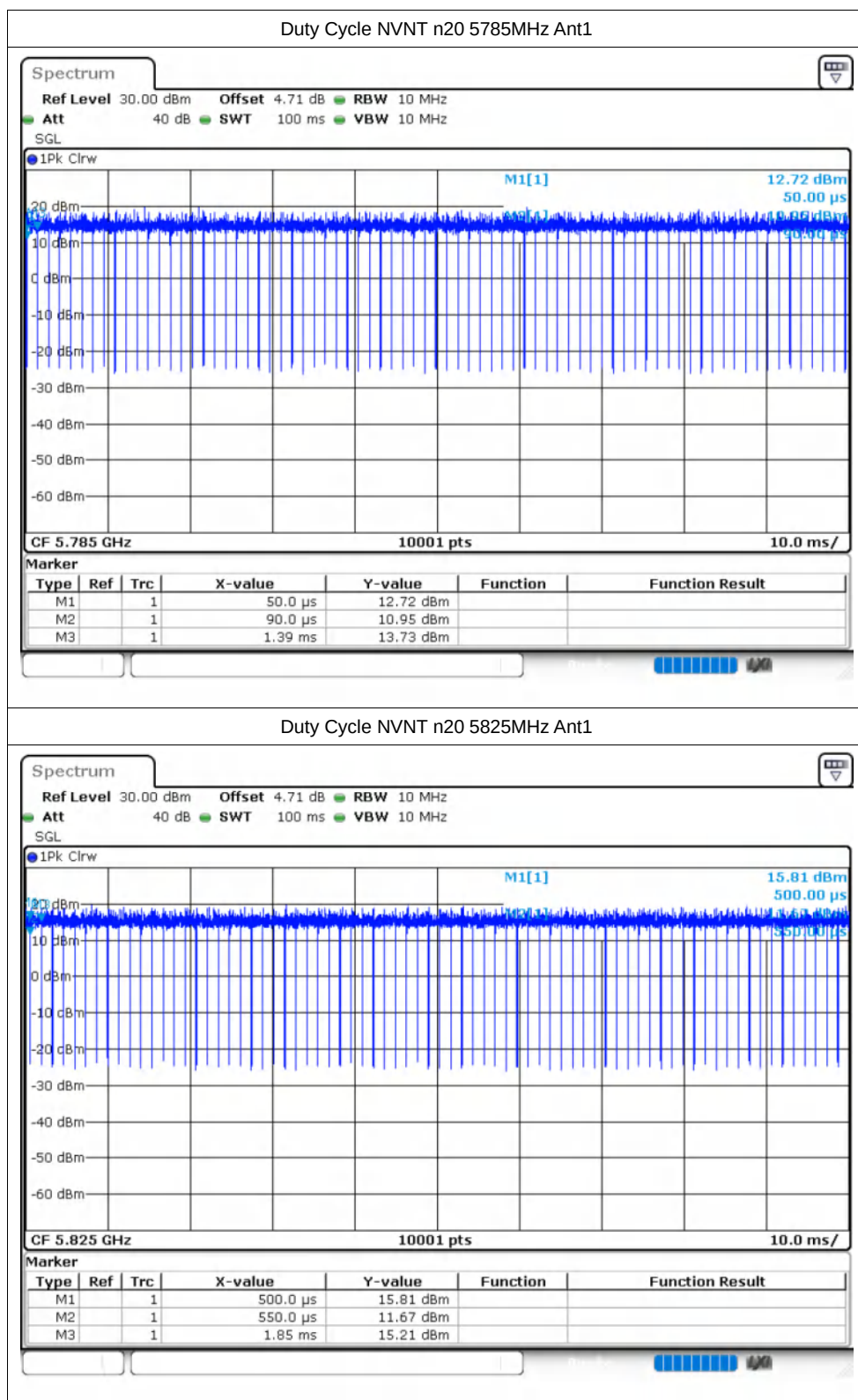
Duty Cycle NVNT a 5745MHz Ant1

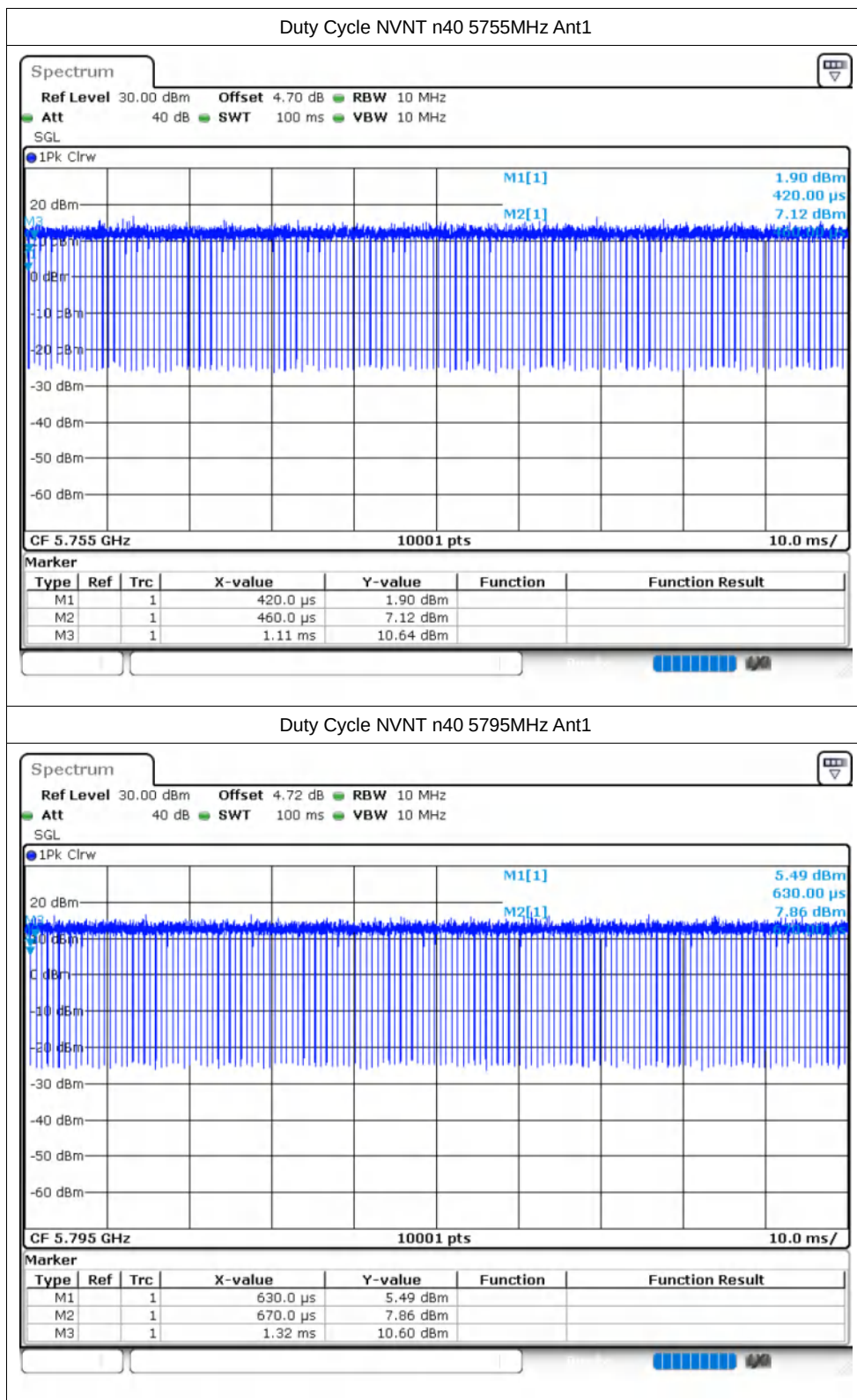


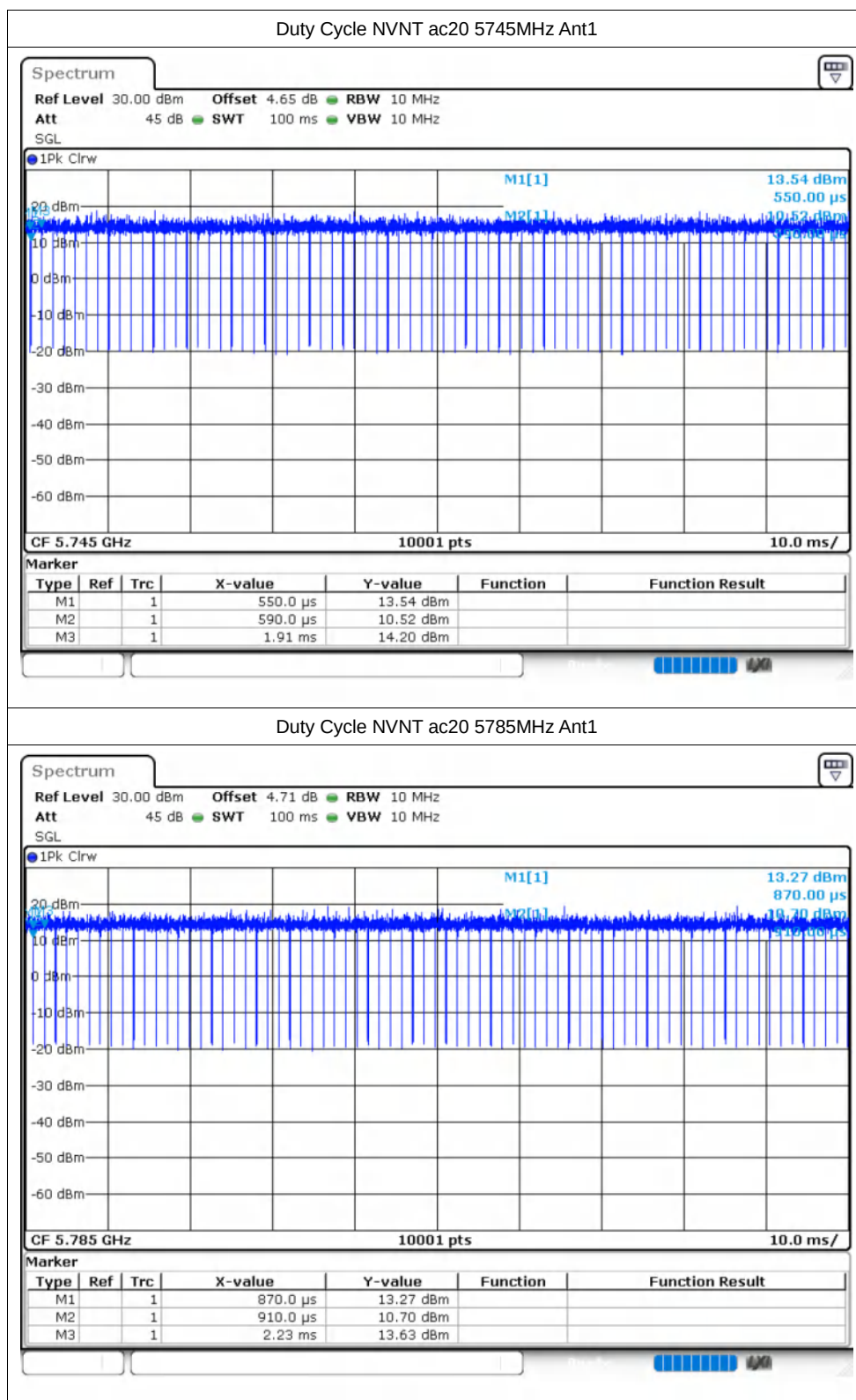
Duty Cycle NVNT a 5785MHz Ant1

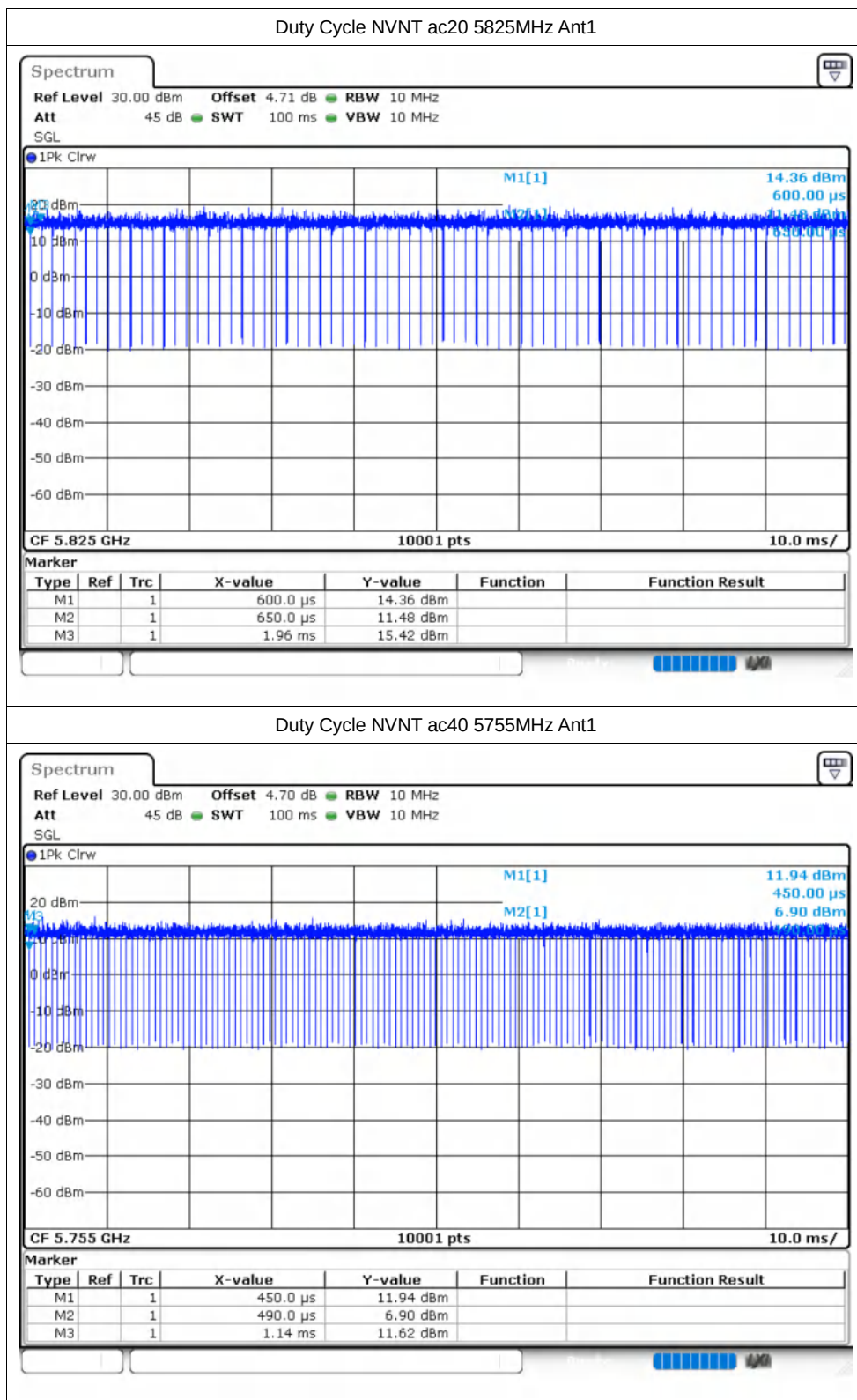


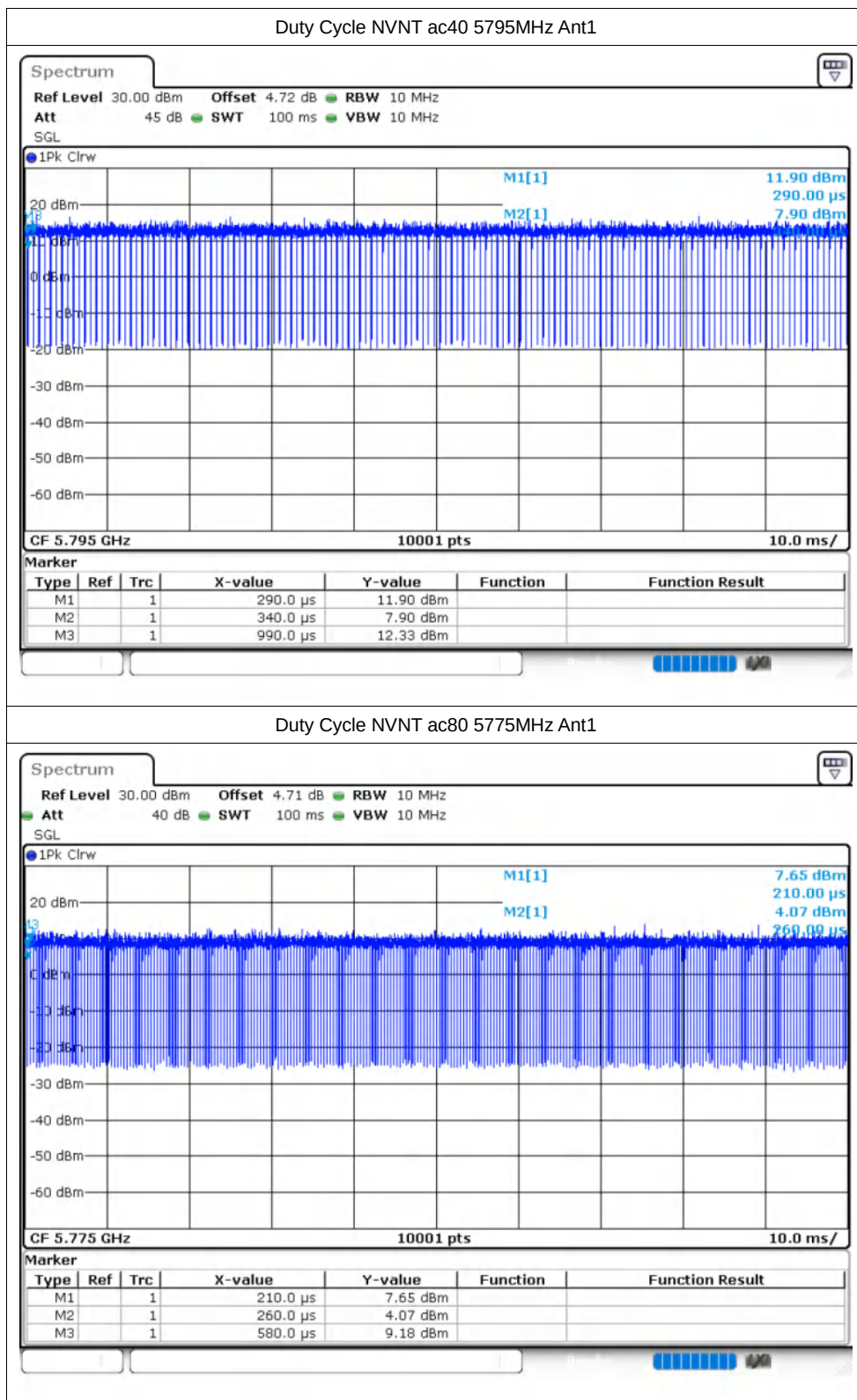












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	10.15	30	Pass
NVNT	a	5785	Ant1	10.47	30	Pass
NVNT	a	5825	Ant1	10.53	30	Pass
NVNT	n20	5745	Ant1	9.96	30	Pass
NVNT	n20	5785	Ant1	10.39	30	Pass
NVNT	n20	5825	Ant1	10.15	30	Pass
NVNT	n40	5755	Ant1	10.2	30	Pass
NVNT	n40	5795	Ant1	10.34	30	Pass
NVNT	ac20	5745	Ant1	10.24	30	Pass
NVNT	ac20	5785	Ant1	10.48	30	Pass
NVNT	ac20	5825	Ant1	10.07	30	Pass
NVNT	ac40	5755	Ant1	9.91	30	Pass
NVNT	ac40	5795	Ant1	10.62	30	Pass
NVNT	ac80	5775	Ant1	10.43	30	Pass

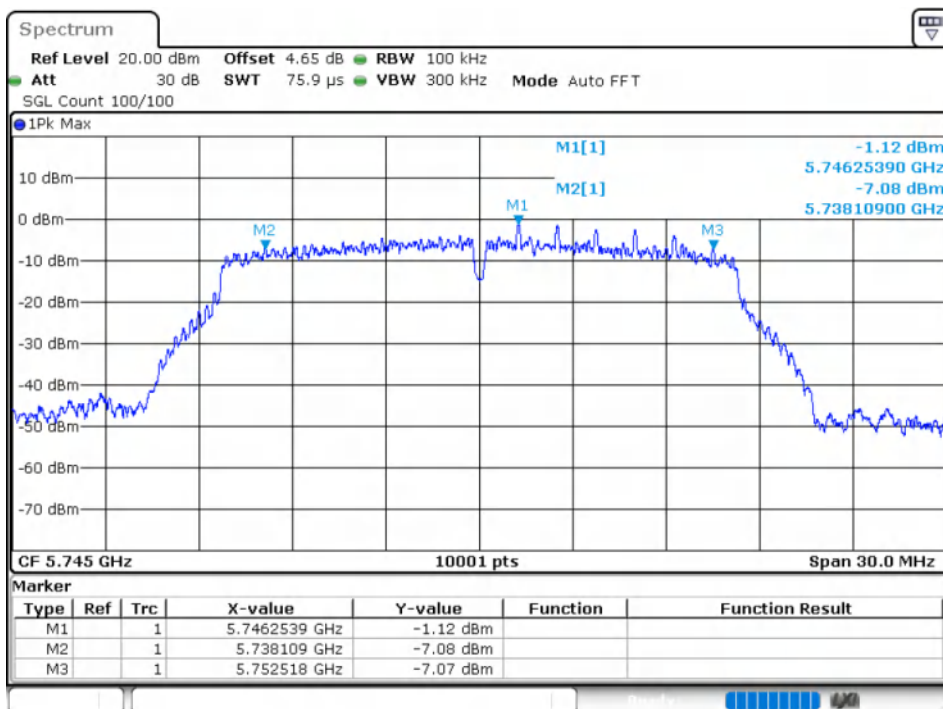
Note: The average power has contain duty cycle factor

-6dB Bandwidth

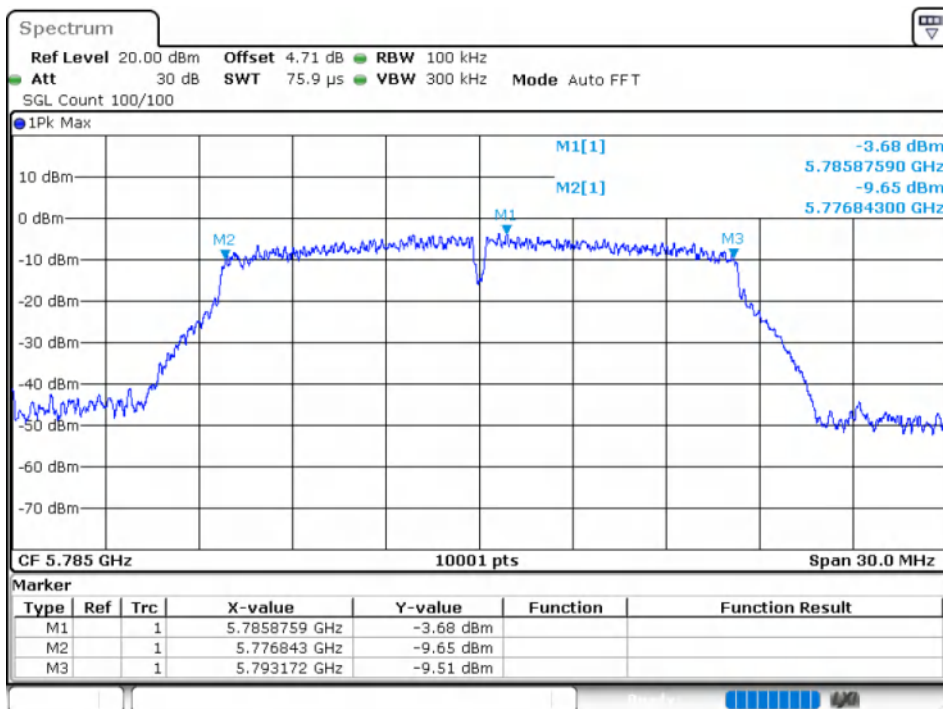
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	14.409	0.5	Pass
NVNT	a	5785	Ant1	16.329	0.5	Pass
NVNT	a	5825	Ant1	16.311	0.5	Pass
NVNT	n20	5745	Ant1	15.405	0.5	Pass
NVNT	n20	5785	Ant1	17.553	0.5	Pass
NVNT	n20	5825	Ant1	17.547	0.5	Pass
NVNT	n40	5755	Ant1	30.072	0.5	Pass
NVNT	n40	5795	Ant1	35.088	0.5	Pass
NVNT	ac20	5745	Ant1	12.642	0.5	Pass
NVNT	ac20	5785	Ant1	13.536	0.5	Pass
NVNT	ac20	5825	Ant1	12.636	0.5	Pass
NVNT	ac40	5755	Ant1	32.58	0.5	Pass
NVNT	ac40	5795	Ant1	36.024	0.5	Pass
NVNT	ac80	5775	Ant1	75.108	0.5	Pass

Test Graphs

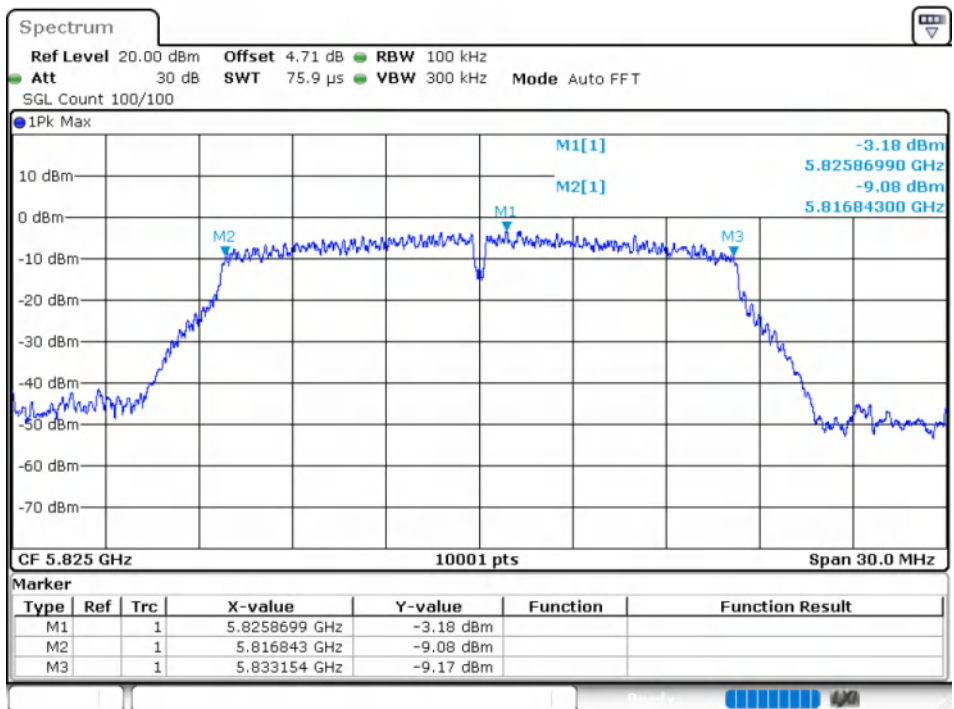
-6dB Bandwidth NVNT a 5745MHz Ant1



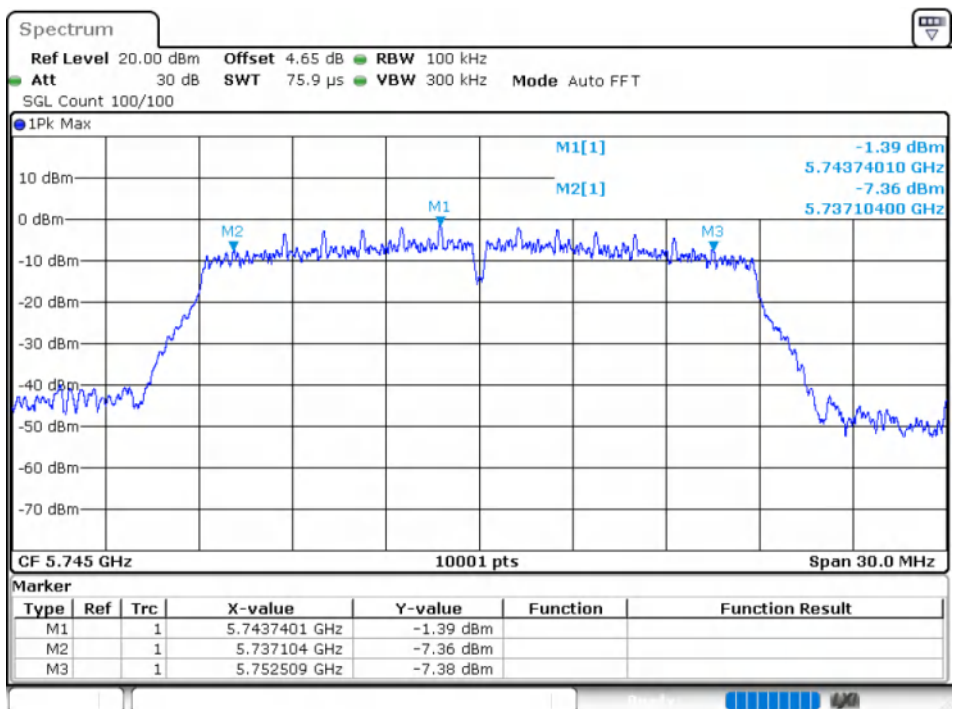
-6dB Bandwidth NVNT a 5785MHz Ant1



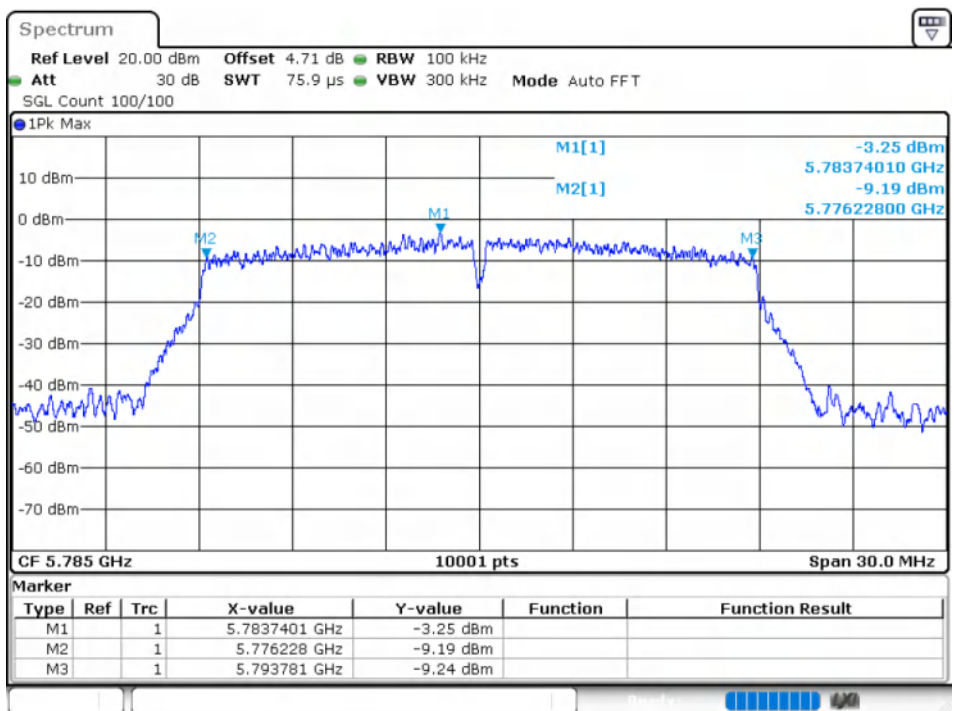
-6dB Bandwidth NVNT a 5825MHz Ant1



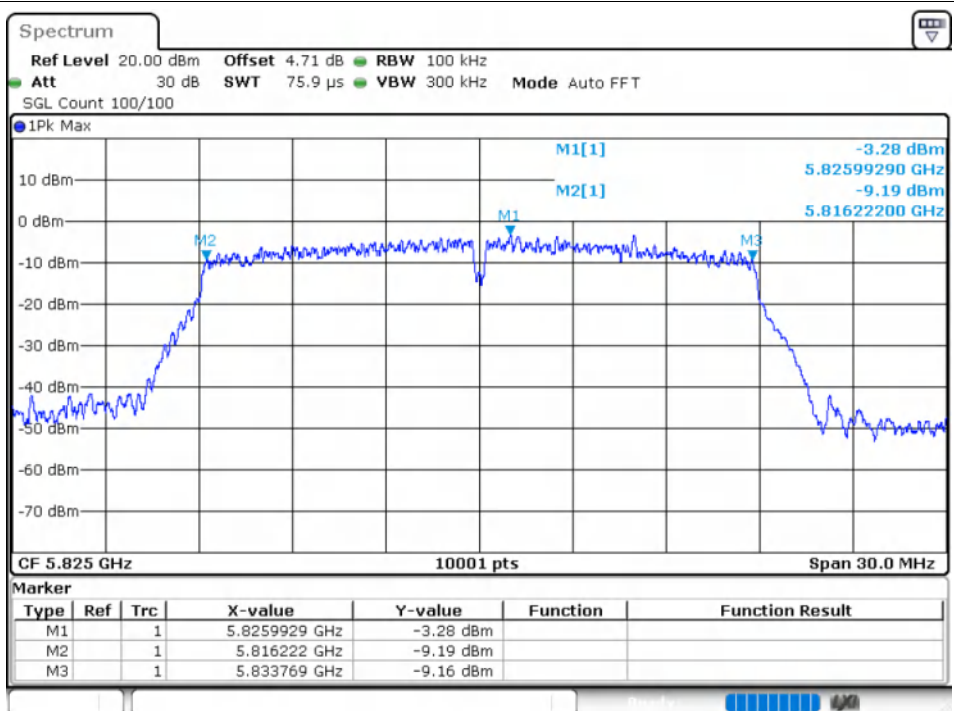
-6dB Bandwidth NVNT n20 5745MHz Ant1



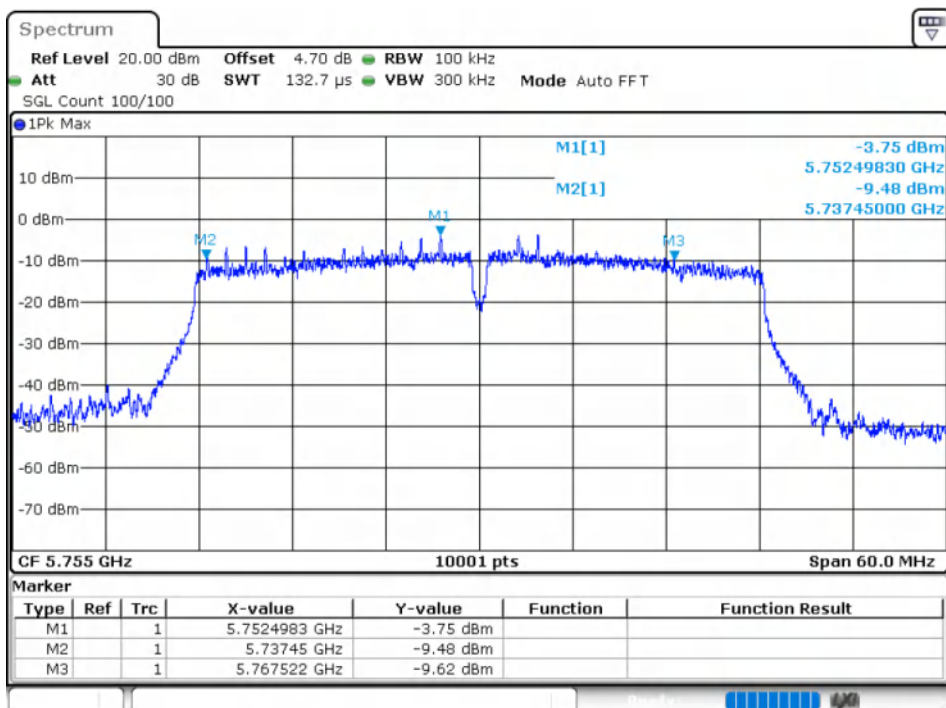
-6dB Bandwidth NVNT n20 5785MHz Ant1



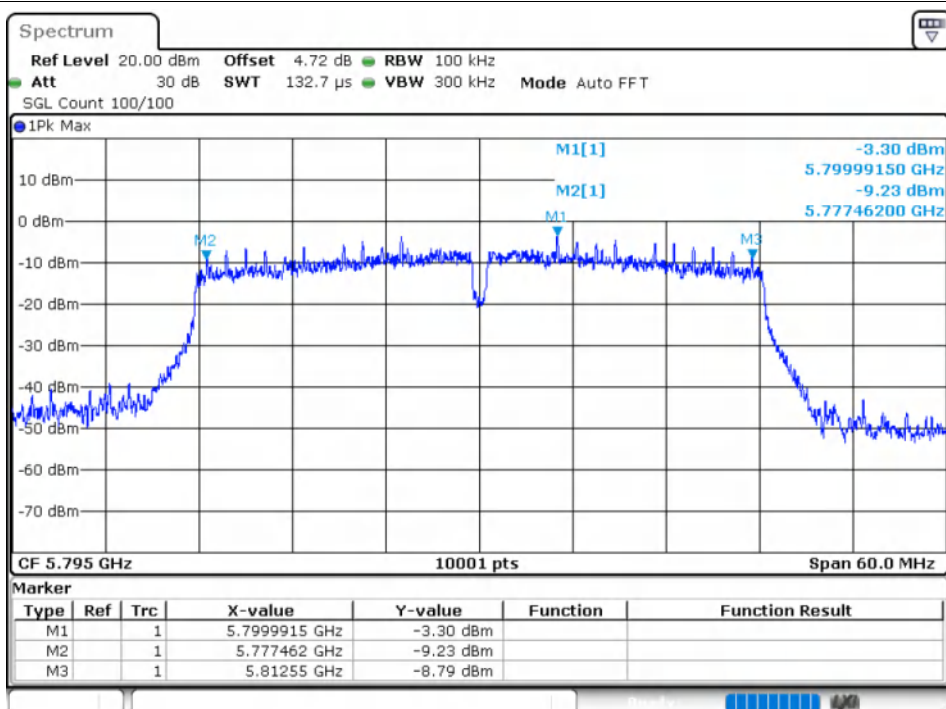
-6dB Bandwidth NVNT n20 5825MHz Ant1



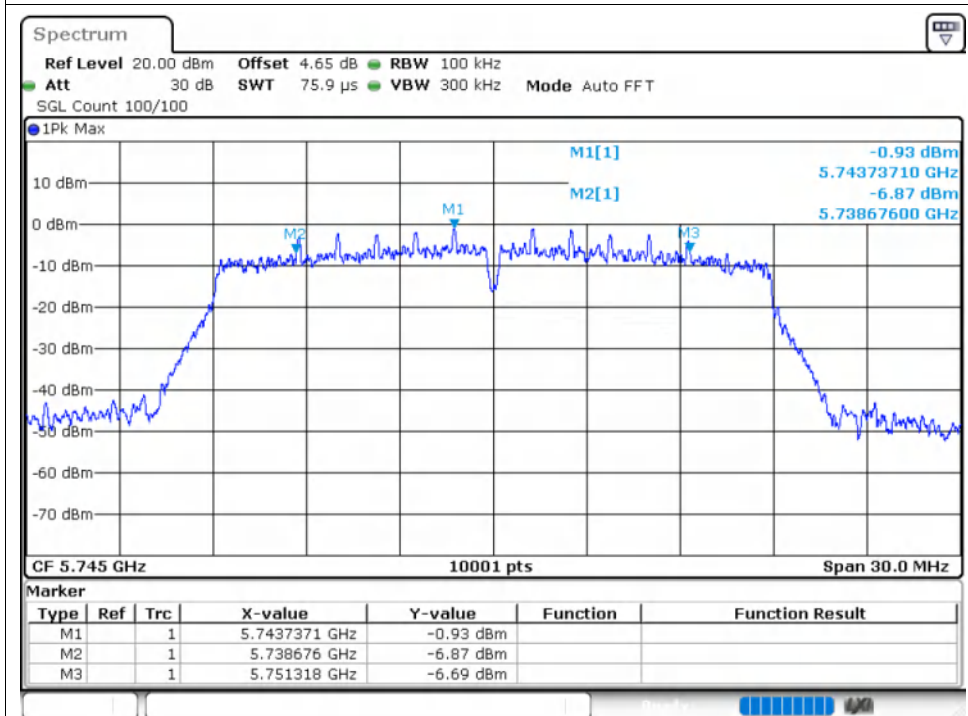
-6dB Bandwidth NVNT n40 5755MHz Ant1



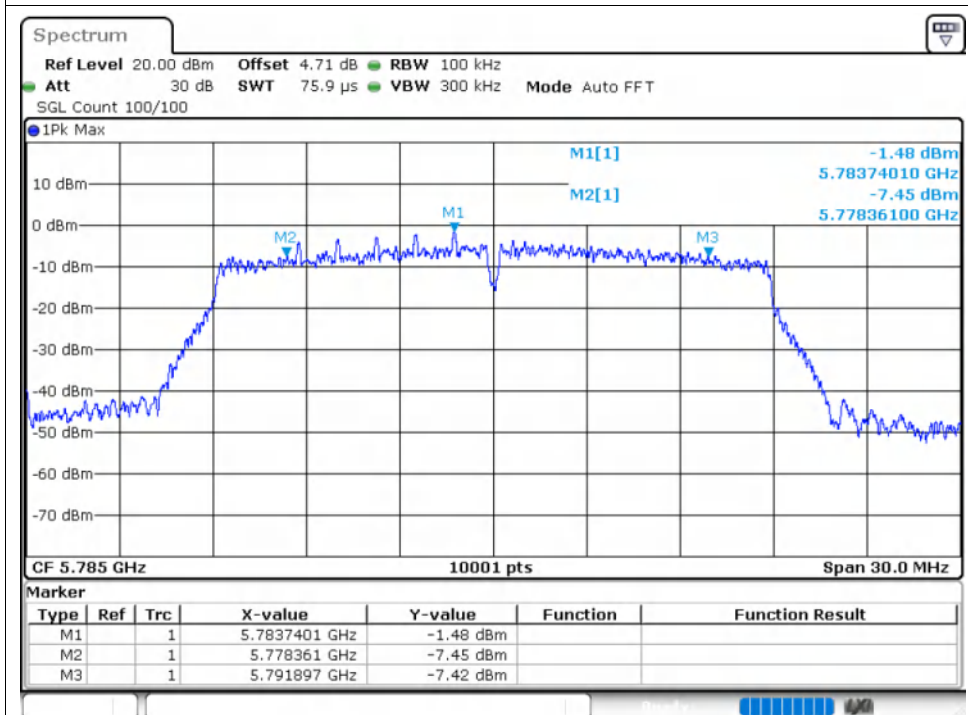
-6dB Bandwidth NVNT n40 5795MHz Ant1

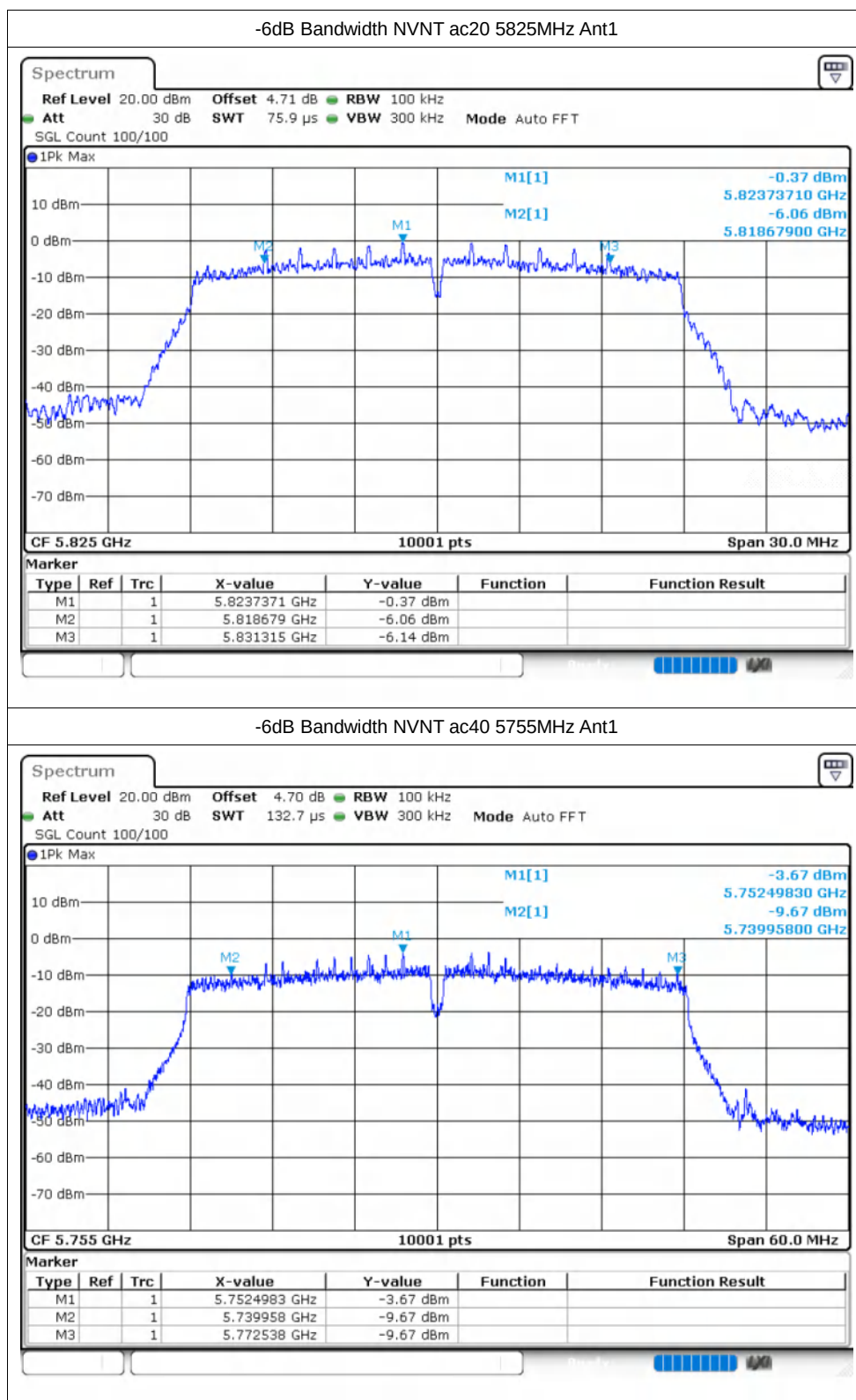


-6dB Bandwidth NVNT ac20 5745MHz Ant1

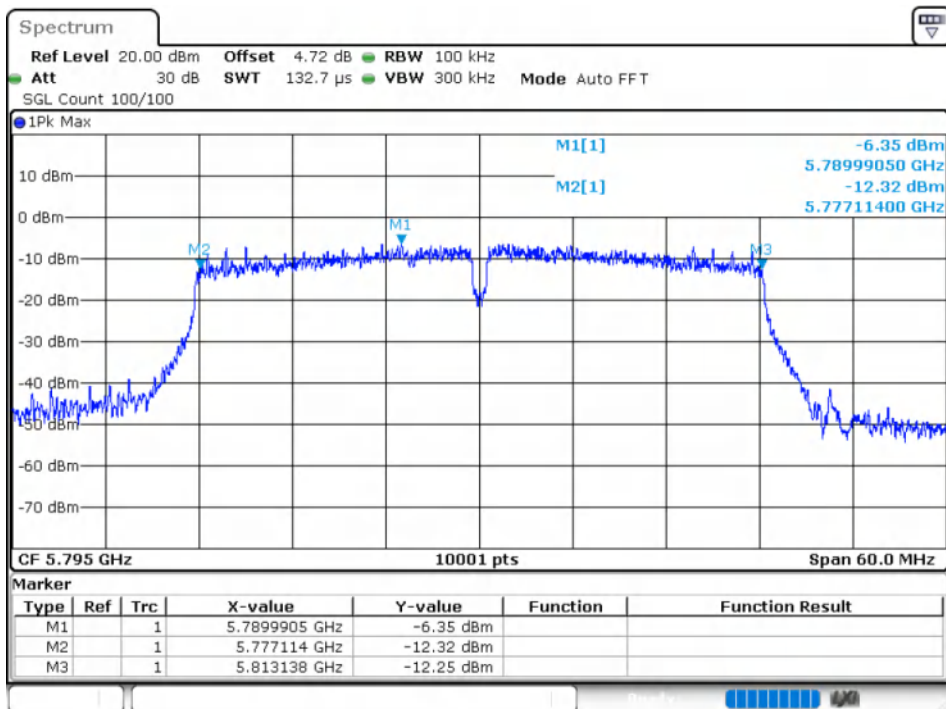


-6dB Bandwidth NVNT ac20 5785MHz Ant1

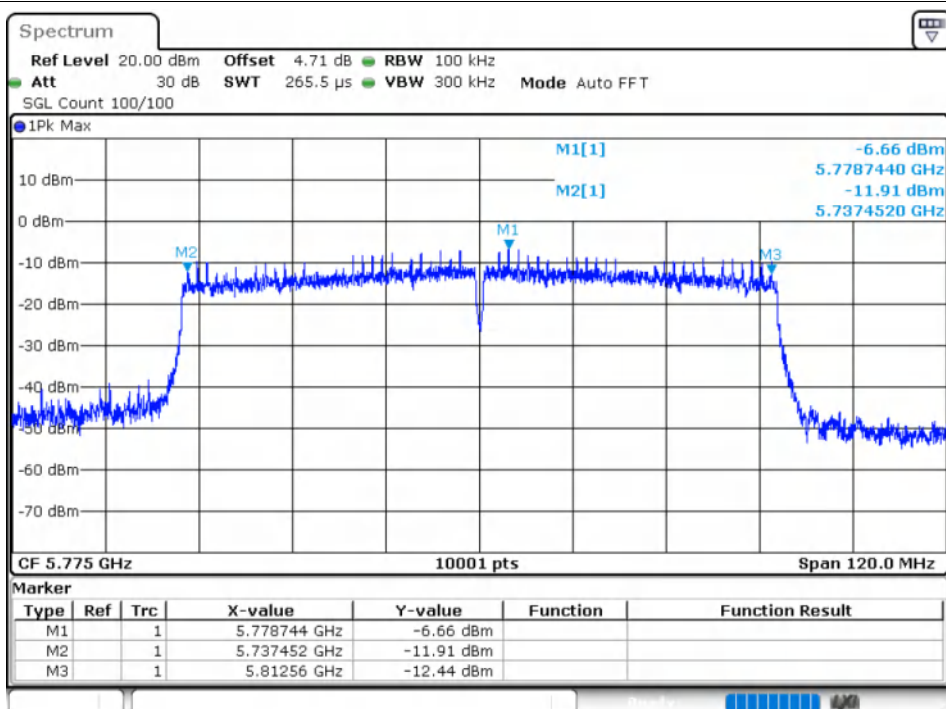




-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

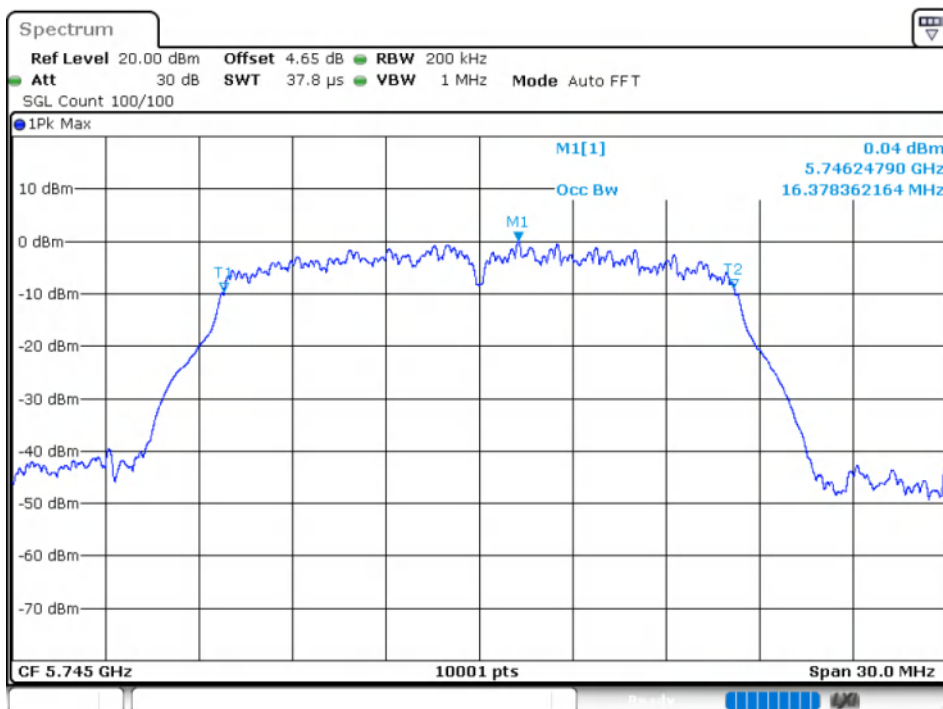


Occupied Channel Bandwidth

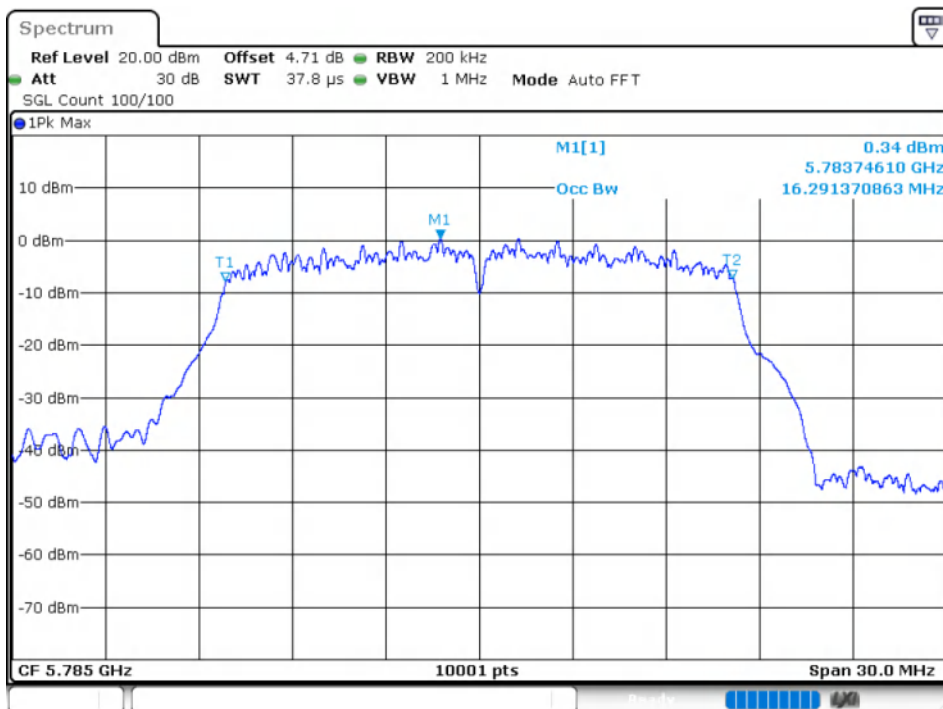
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.378
NVNT	a	5785	Ant1	16.291
NVNT	a	5825	Ant1	16.318
NVNT	n20	5745	Ant1	17.539
NVNT	n20	5785	Ant1	17.578
NVNT	n20	5825	Ant1	17.512
NVNT	n40	5755	Ant1	36.05
NVNT	n40	5795	Ant1	35.972
NVNT	ac20	5745	Ant1	17.602
NVNT	ac20	5785	Ant1	17.506
NVNT	ac20	5825	Ant1	17.599
NVNT	ac40	5755	Ant1	36.05
NVNT	ac40	5795	Ant1	35.978
NVNT	ac80	5775	Ant1	75.28

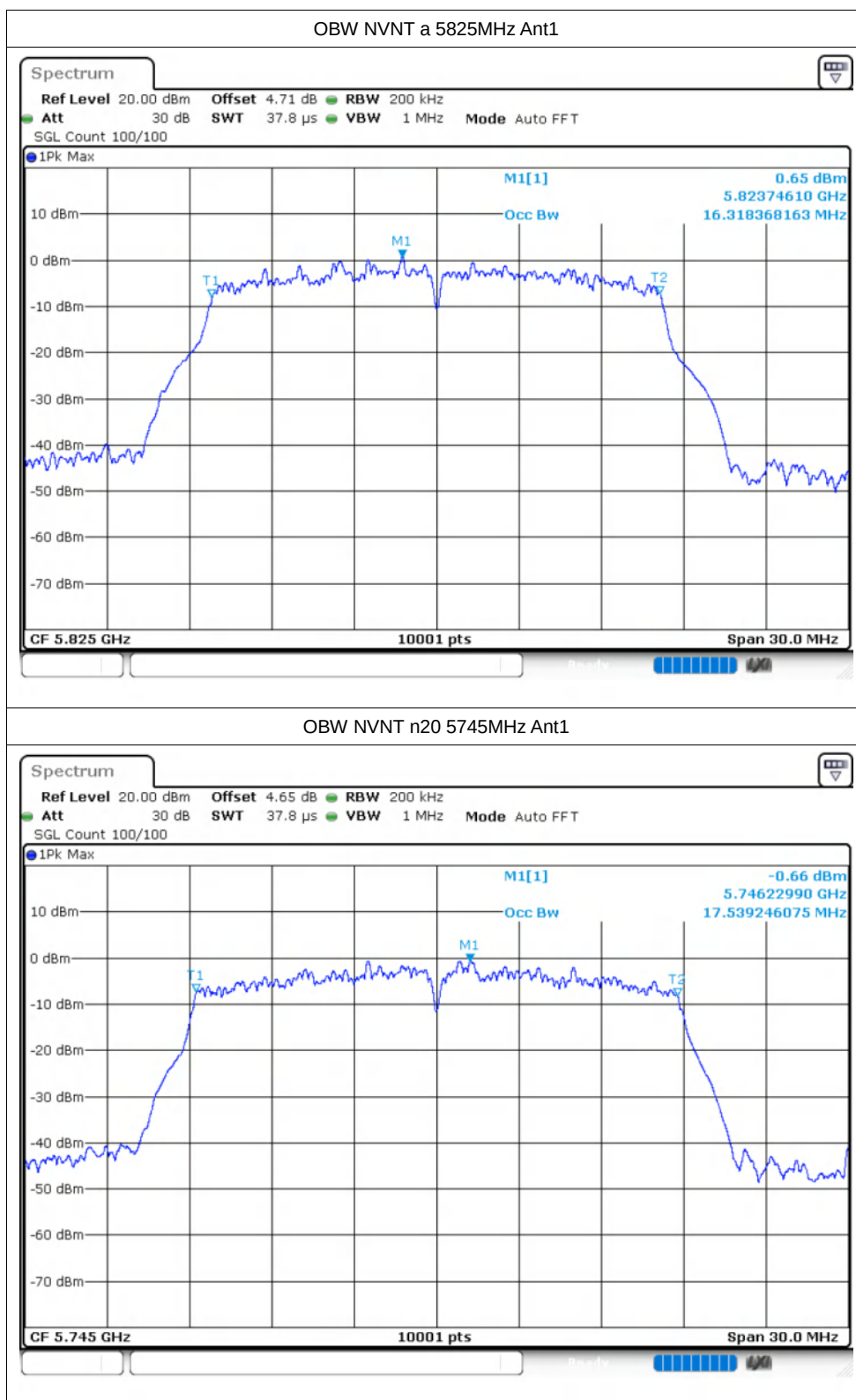
Test Graphs

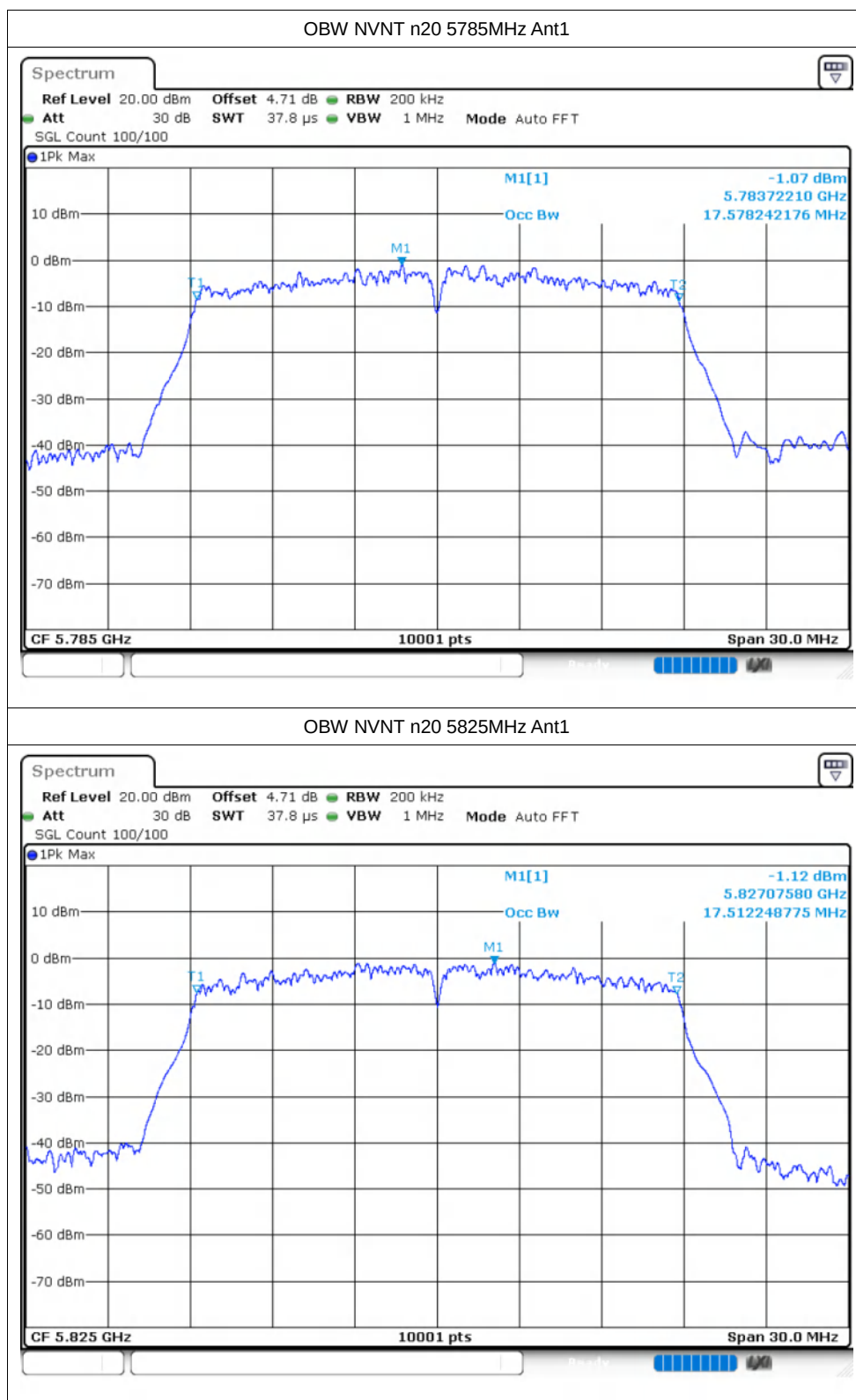
OBW NVNT a 5745MHz Ant1

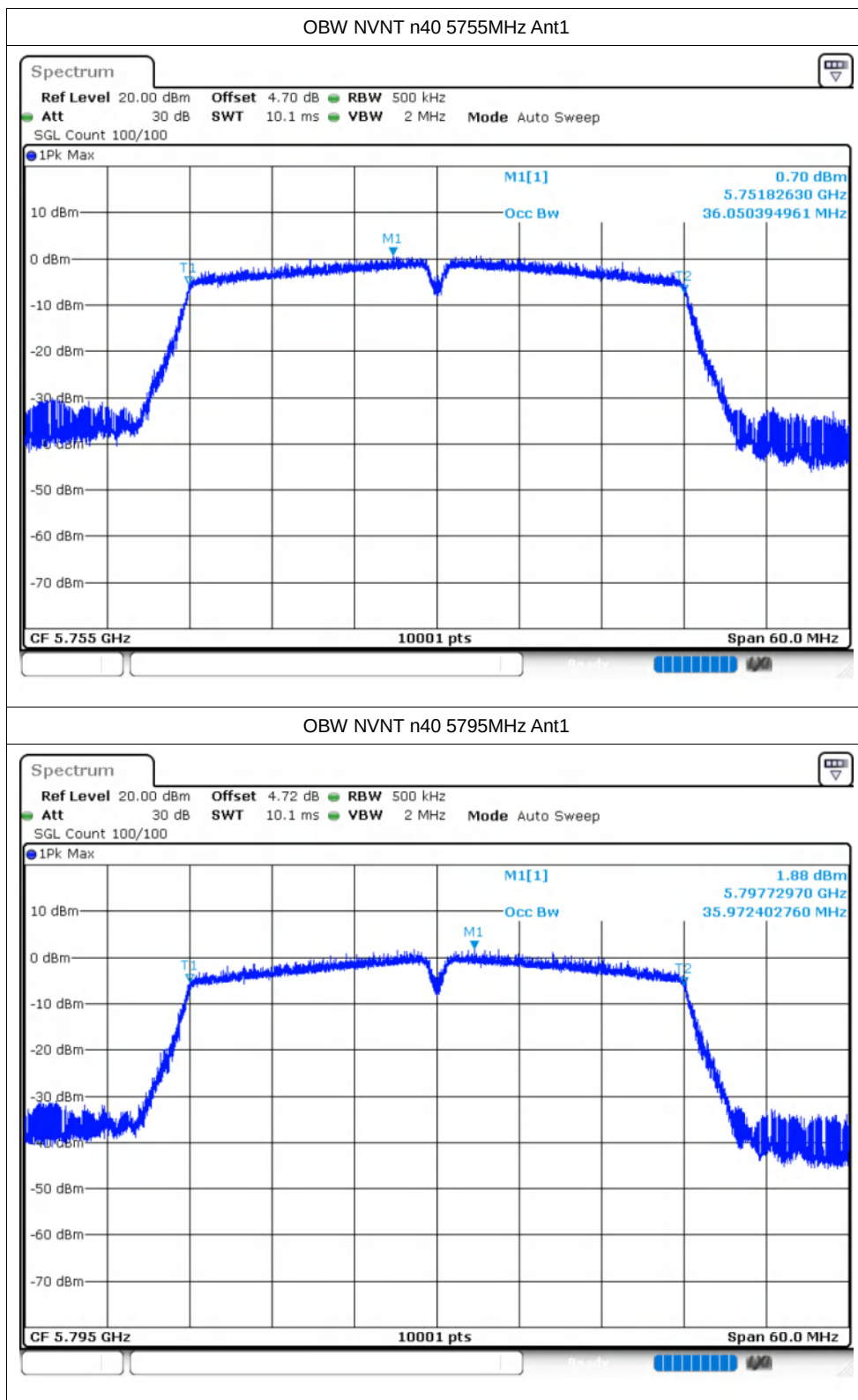


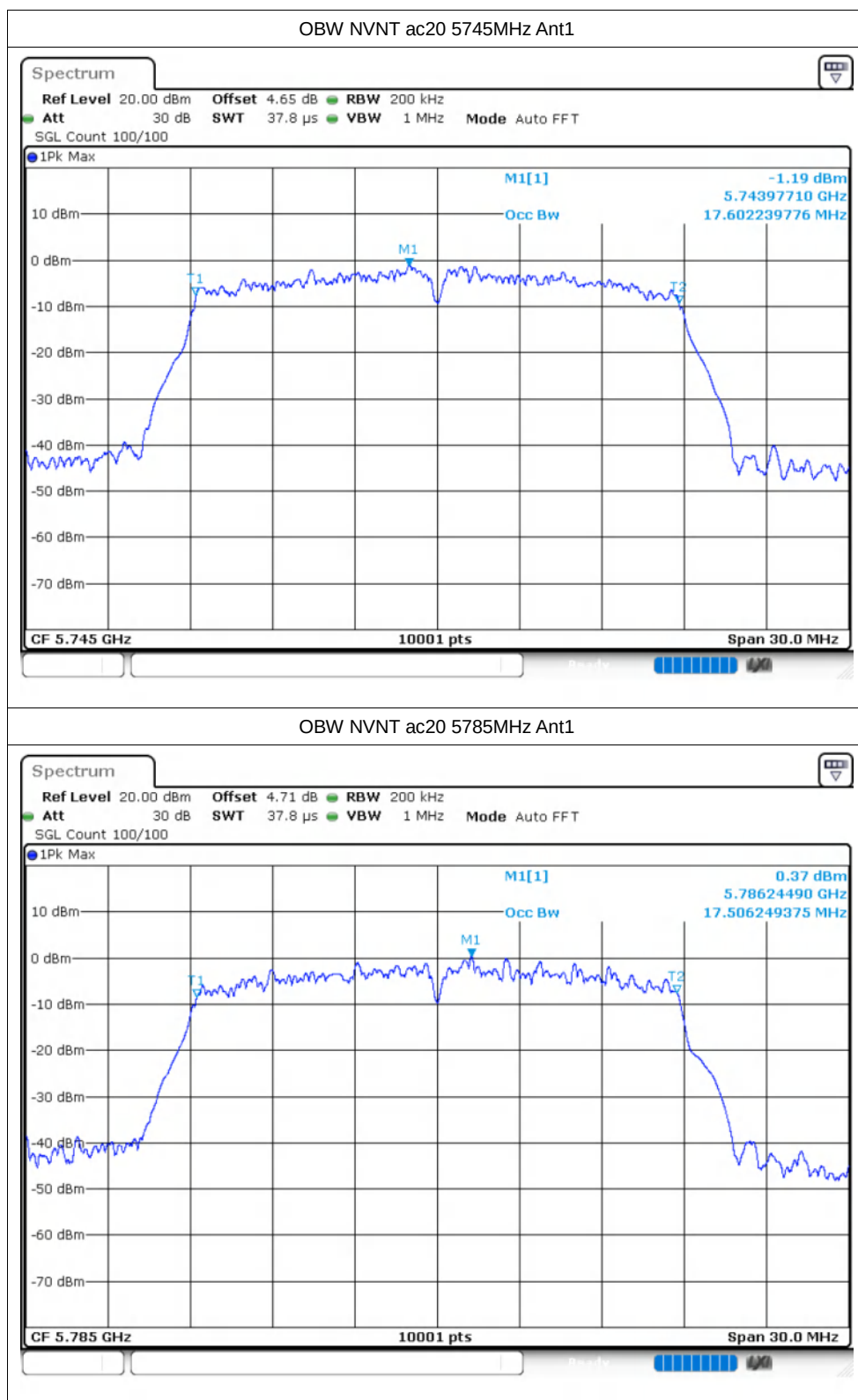
OBW NVNT a 5785MHz Ant1

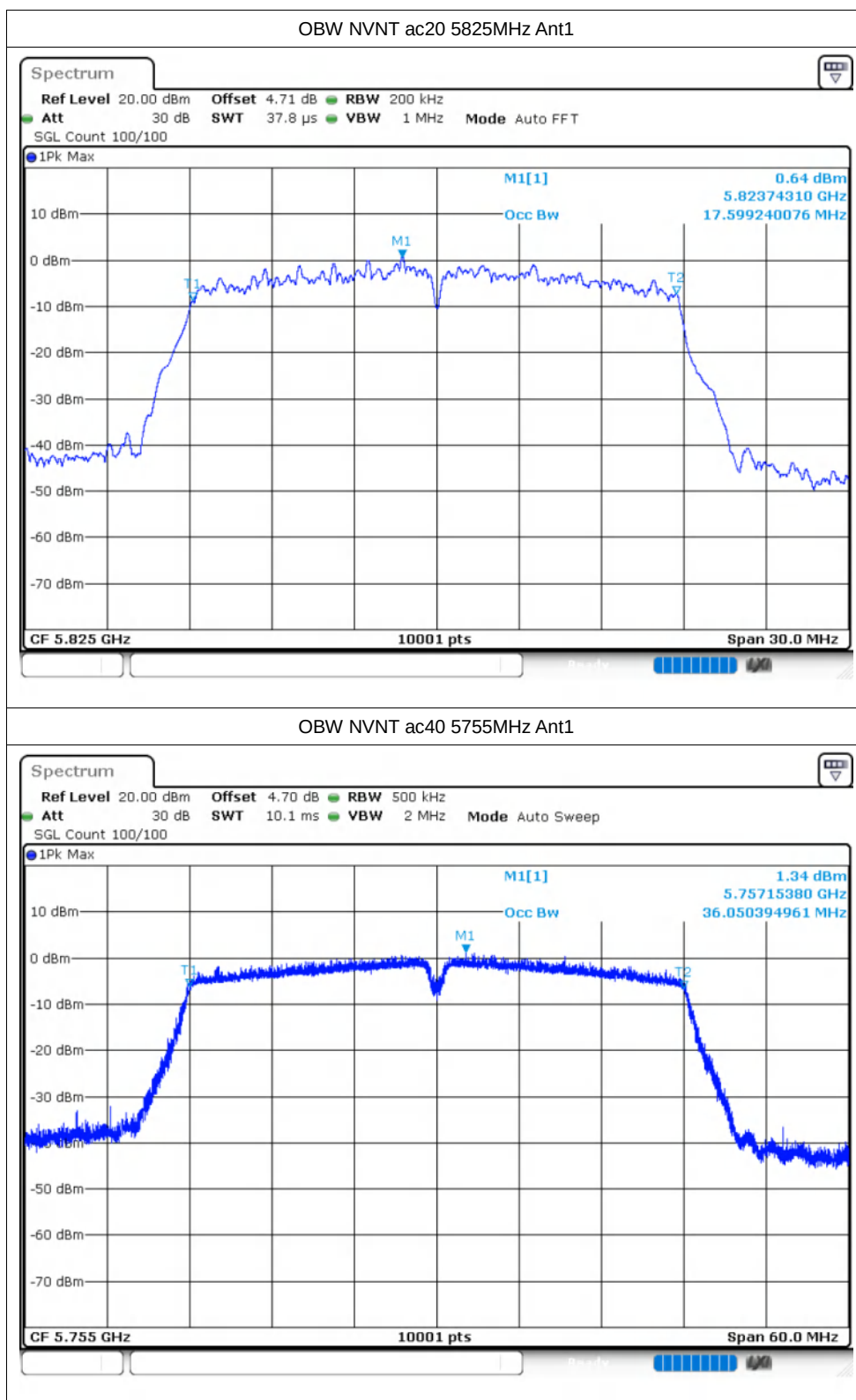


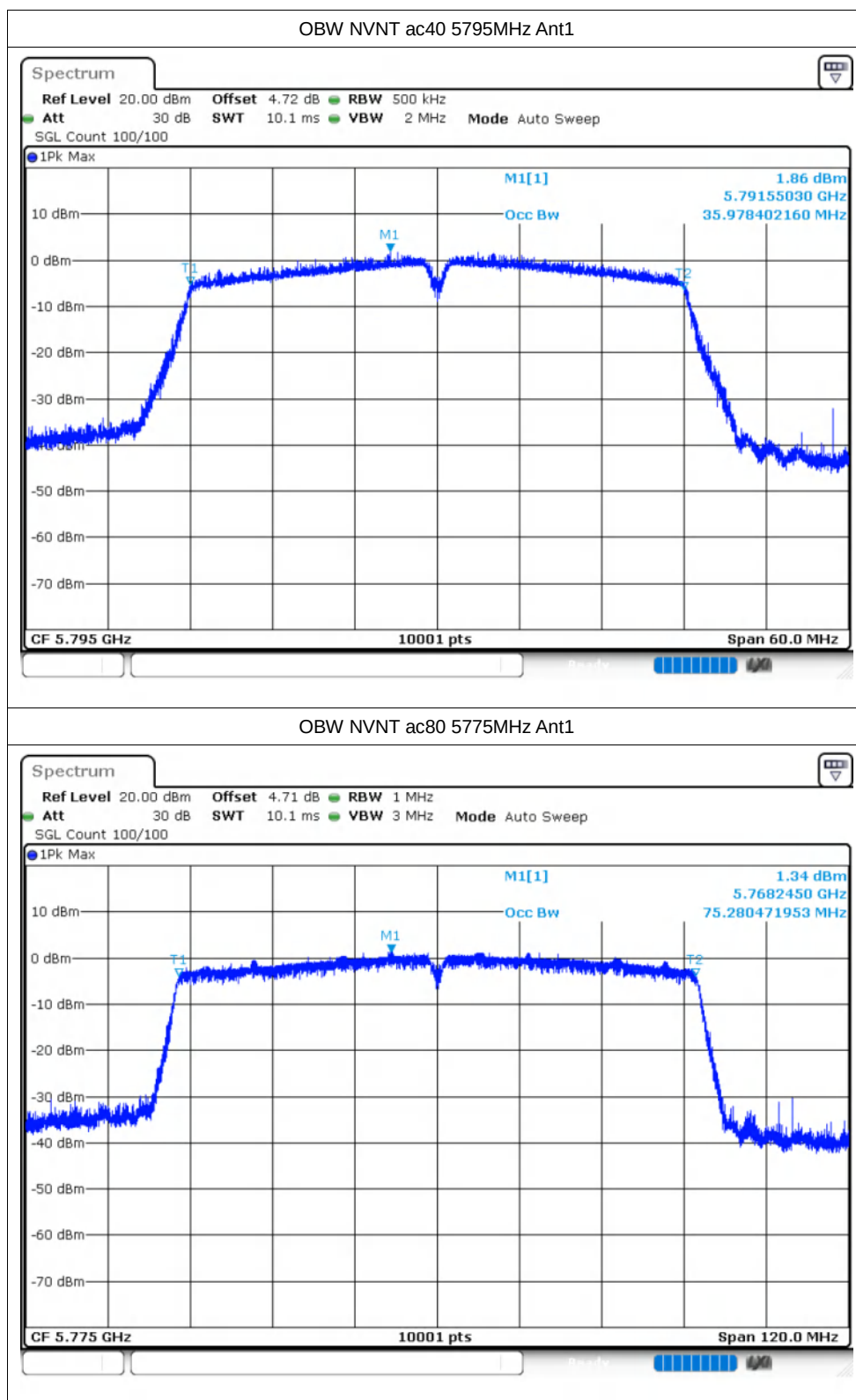










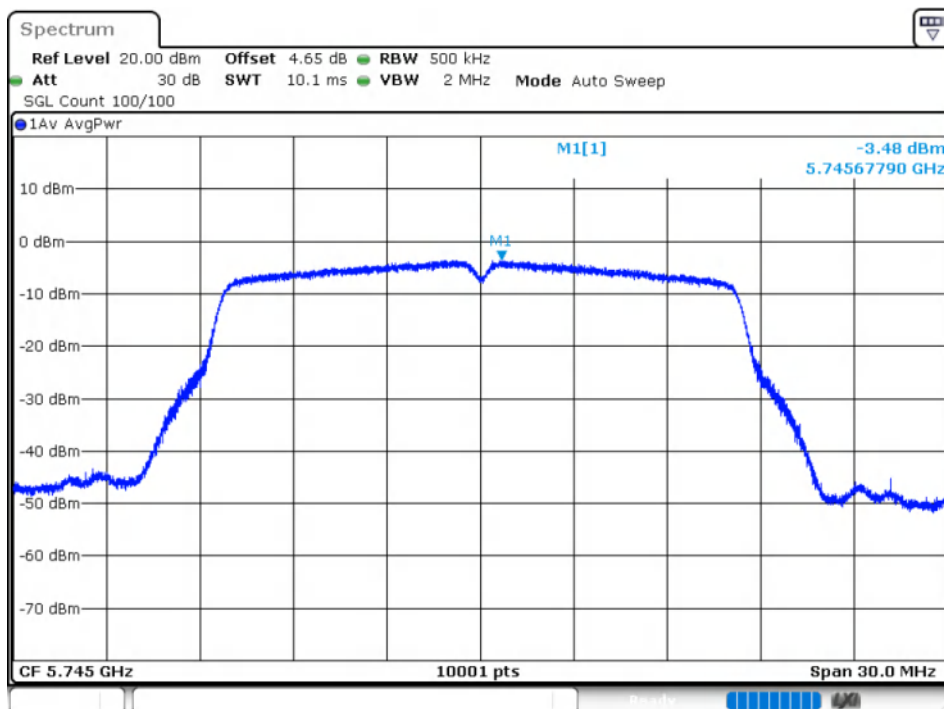


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
NVNT	a	5745	Ant1	-3.48	0.11	-3.37	30	Pass
NVNT	a	5785	Ant1	-3	0.11	-2.89	30	Pass
NVNT	a	5825	Ant1	-2.87	0.1	-2.77	30	Pass
NVNT	n20	5745	Ant1	-3.81	0.11	-3.7	30	Pass
NVNT	n20	5785	Ant1	-3.48	0.12	-3.36	30	Pass
NVNT	n20	5825	Ant1	-2.88	0.11	-2.77	30	Pass
NVNT	n40	5755	Ant1	-7	0.22	-6.78	30	Pass
NVNT	n40	5795	Ant1	-6.2	0.22	-5.98	30	Pass
NVNT	ac20	5745	Ant1	-3.8	0.11	-3.69	30	Pass
NVNT	ac20	5785	Ant1	-3.42	0.11	-3.31	30	Pass
NVNT	ac20	5825	Ant1	-2.7	0.11	-2.59	30	Pass
NVNT	ac40	5755	Ant1	-6.85	0.22	-6.63	30	Pass
NVNT	ac40	5795	Ant1	-6.19	0.22	-5.97	30	Pass
NVNT	ac80	5775	Ant1	-10.33	0.43	-9.9	30	Pass

Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1

