

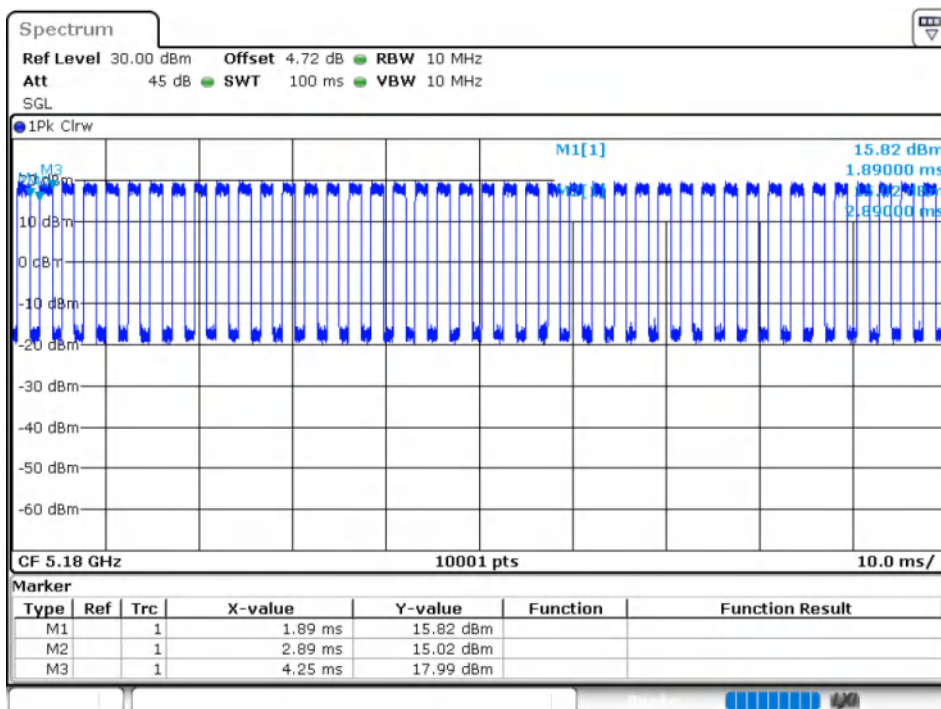
WIFI 5.2G:

Duty Cycle

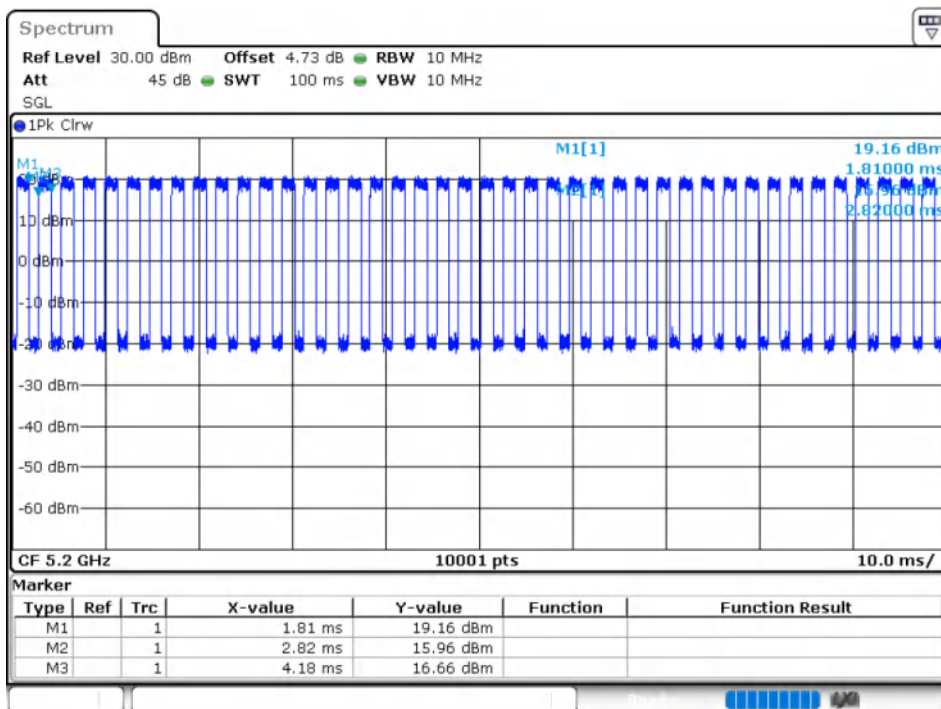
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	57.71	2.39	0.74
NVNT	a	5200	Ant1	57.78	2.38	0.74
NVNT	a	5240	Ant1	58.22	2.35	0.74
NVNT	a	5180	Ant2	57.88	2.37	0.74
NVNT	a	5200	Ant2	57.73	2.39	0.73
NVNT	a	5240	Ant2	58.29	2.34	0.74
NVNT	n20	5180	Ant1	56.26	2.5	0.79
NVNT	n20	5200	Ant1	56.28	2.5	0.79
NVNT	n20	5240	Ant1	56.36	2.49	0.79
NVNT	n20	5180	Ant2	56.3	2.49	0.78
NVNT	n20	5200	Ant2	56.47	2.48	0.78
NVNT	n20	5240	Ant2	56.4	2.49	0.79
NVNT	n40	5190	Ant1	39.15	4.07	1.59
NVNT	n40	5230	Ant1	39.34	4.05	1.56
NVNT	n40	5190	Ant2	39.44	4.04	1.56
NVNT	n40	5230	Ant2	39.26	4.06	1.56
NVNT	ac20	5180	Ant1	56.54	2.48	0.78
NVNT	ac20	5200	Ant1	56.59	2.47	0.79
NVNT	ac20	5240	Ant1	56.32	2.49	0.78
NVNT	ac20	5180	Ant2	56.63	2.47	0.79
NVNT	ac20	5200	Ant2	56.29	2.5	0.78
NVNT	ac20	5240	Ant2	56.38	2.49	0.78
NVNT	ac40	5190	Ant1	39.39	4.05	1.59
NVNT	ac40	5230	Ant1	39.42	4.04	1.56
NVNT	ac40	5190	Ant2	39.49	4.04	1.56
NVNT	ac40	5230	Ant2	39.48	4.04	1.56
NVNT	ac80	5210	Ant1	24.59	6.09	3.23
NVNT	ac80	5210	Ant2	24.9	6.04	3.12

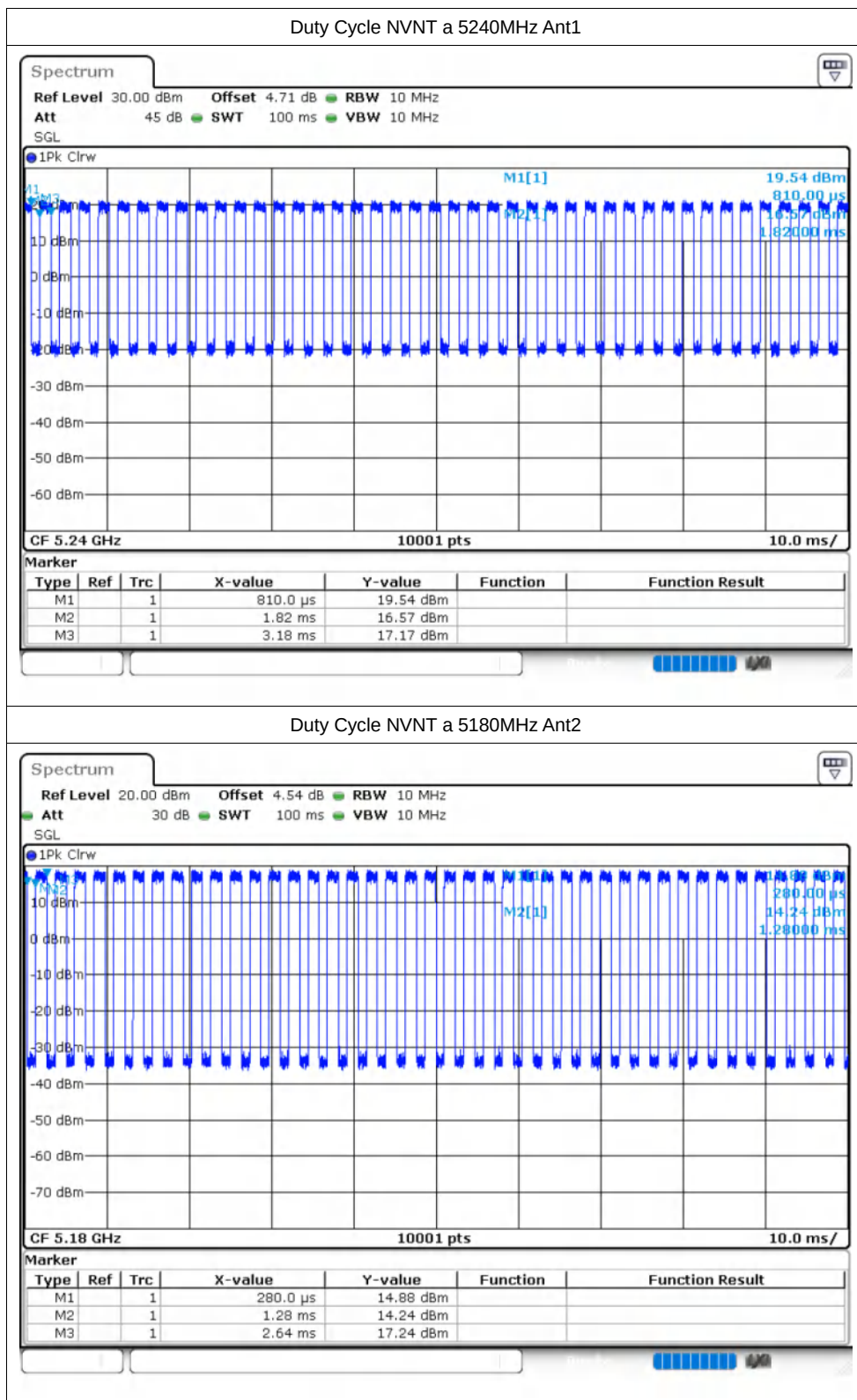
Test Graphs

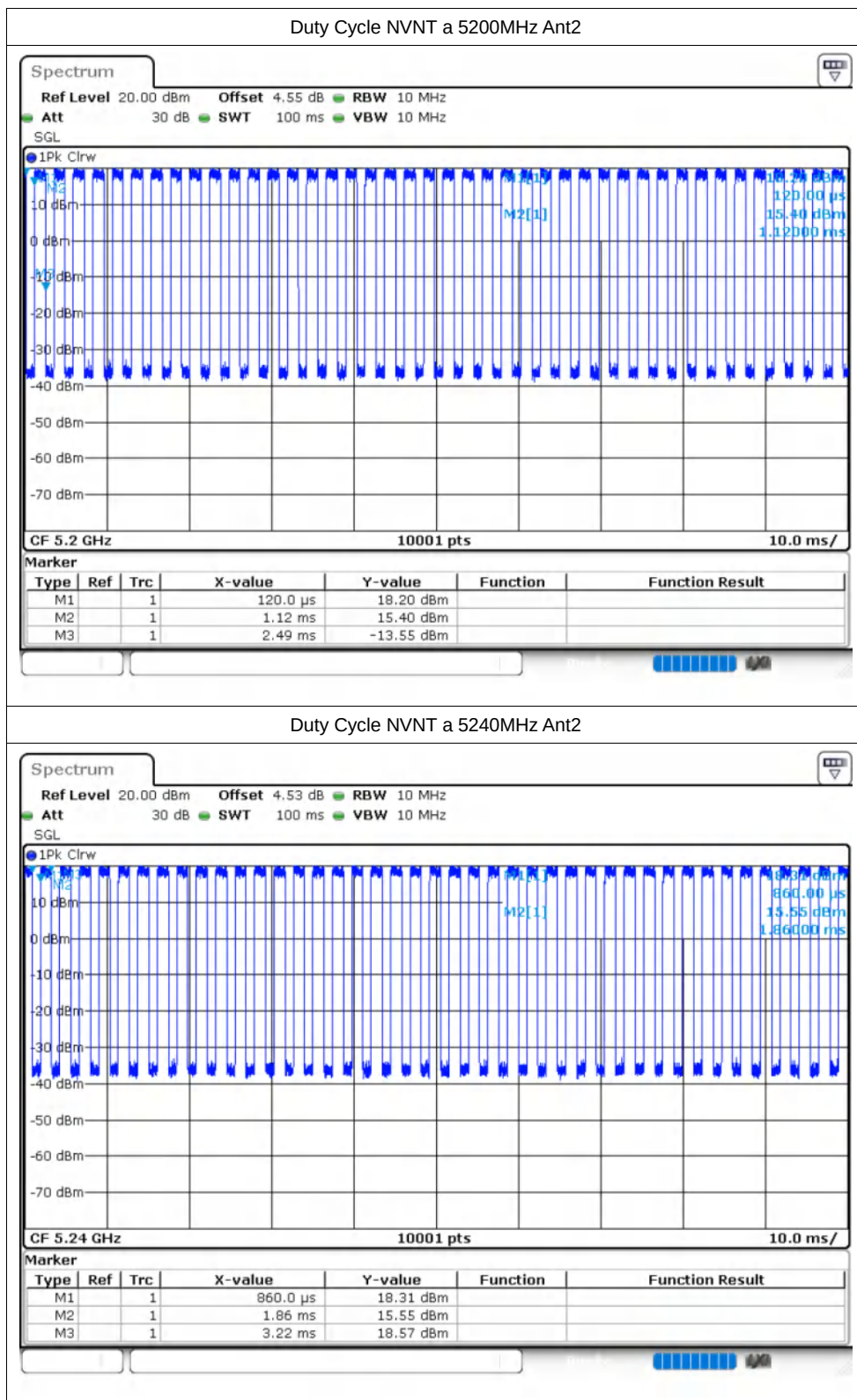
Duty Cycle NVNT a 5180MHz Ant1

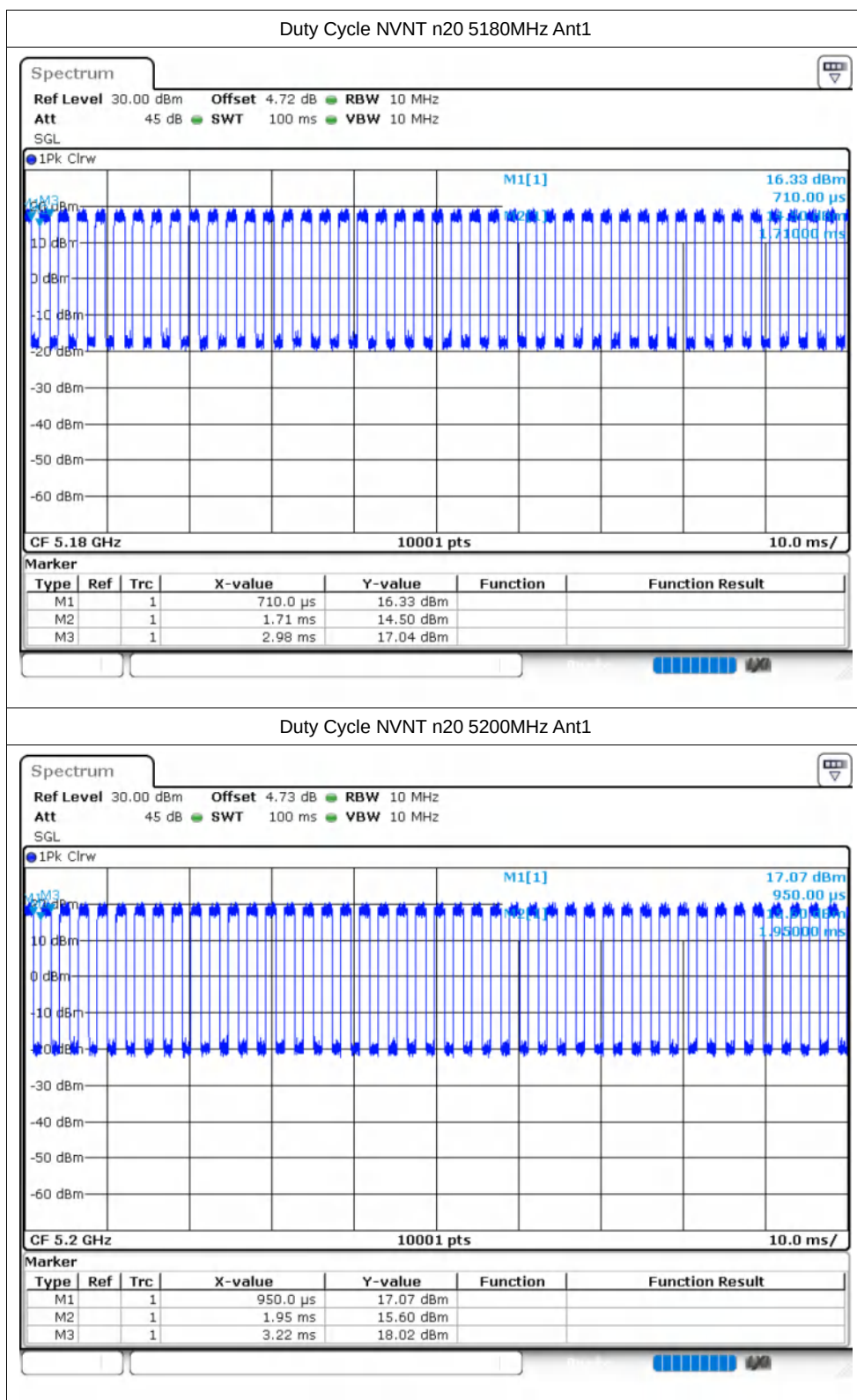


Duty Cycle NVNT a 5200MHz Ant1

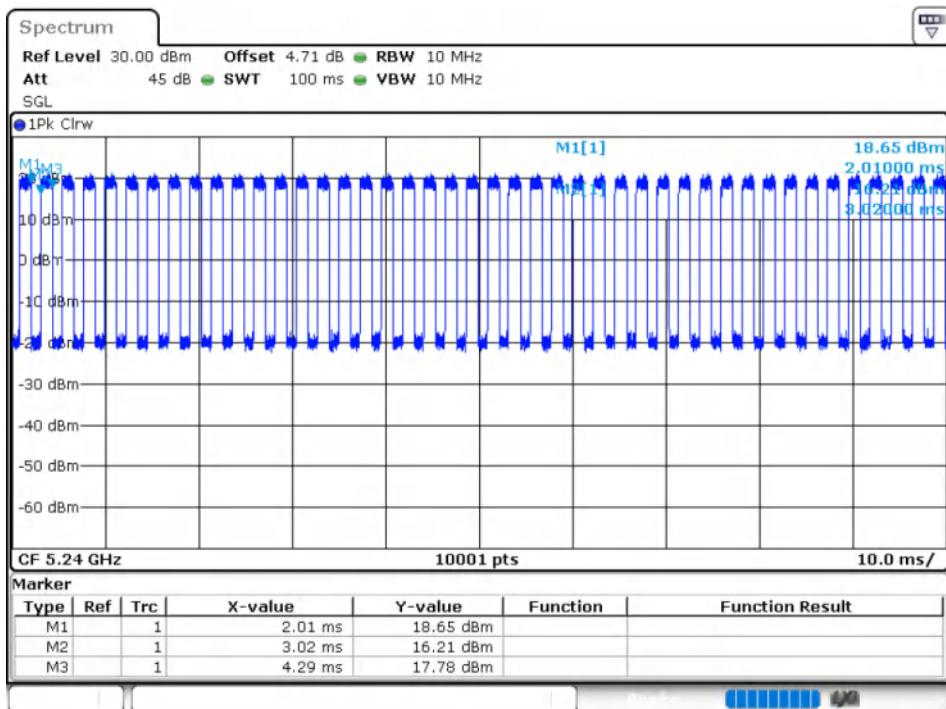




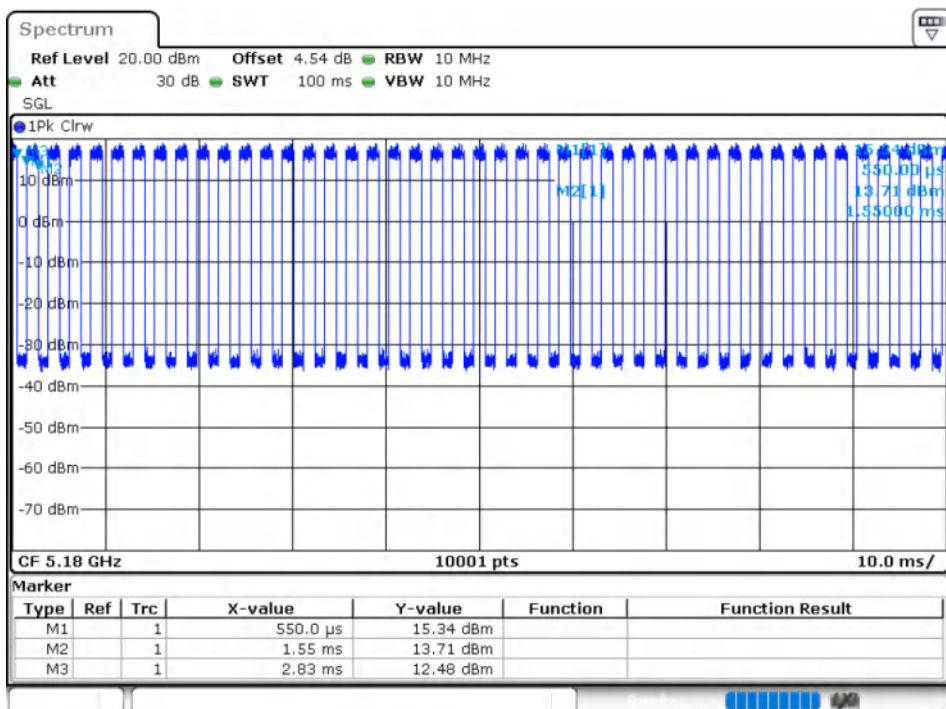




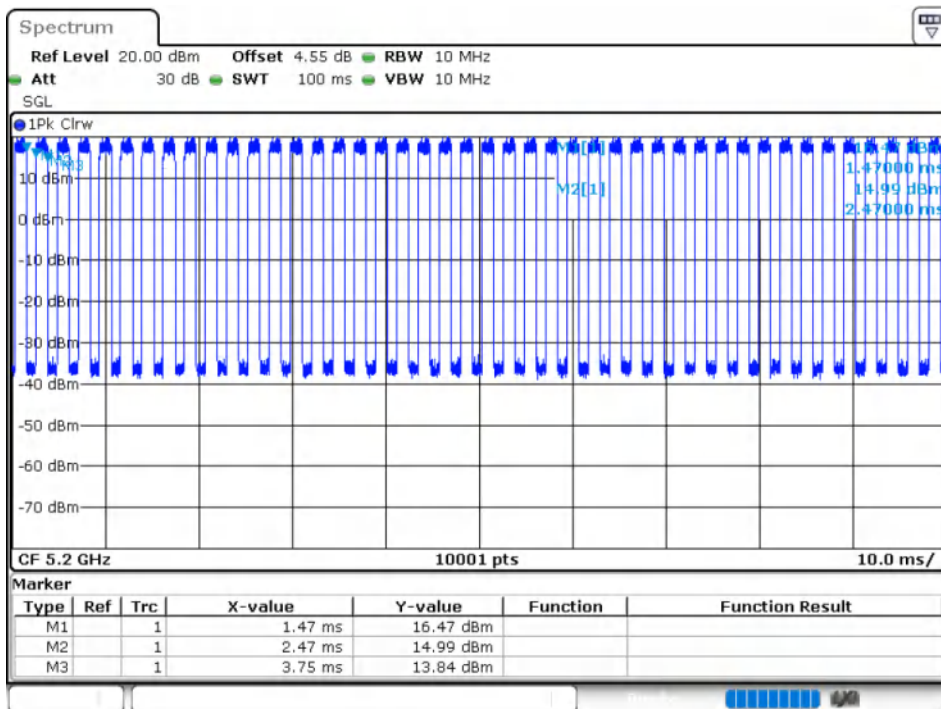
Duty Cycle NVNT n20 5240MHz Ant1



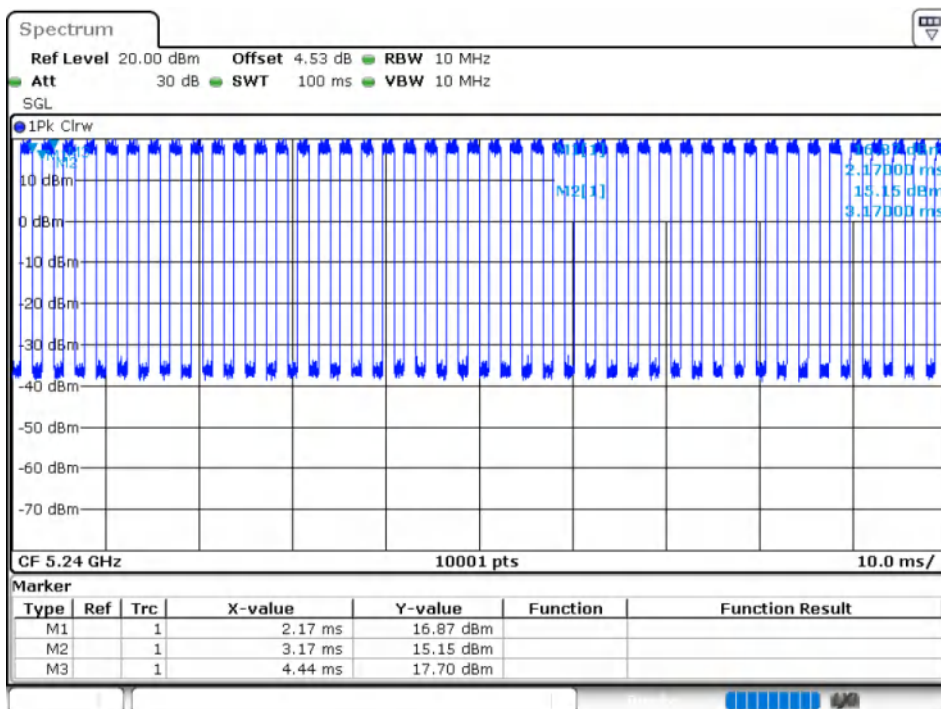
Duty Cycle NVNT n20 5180MHz Ant2

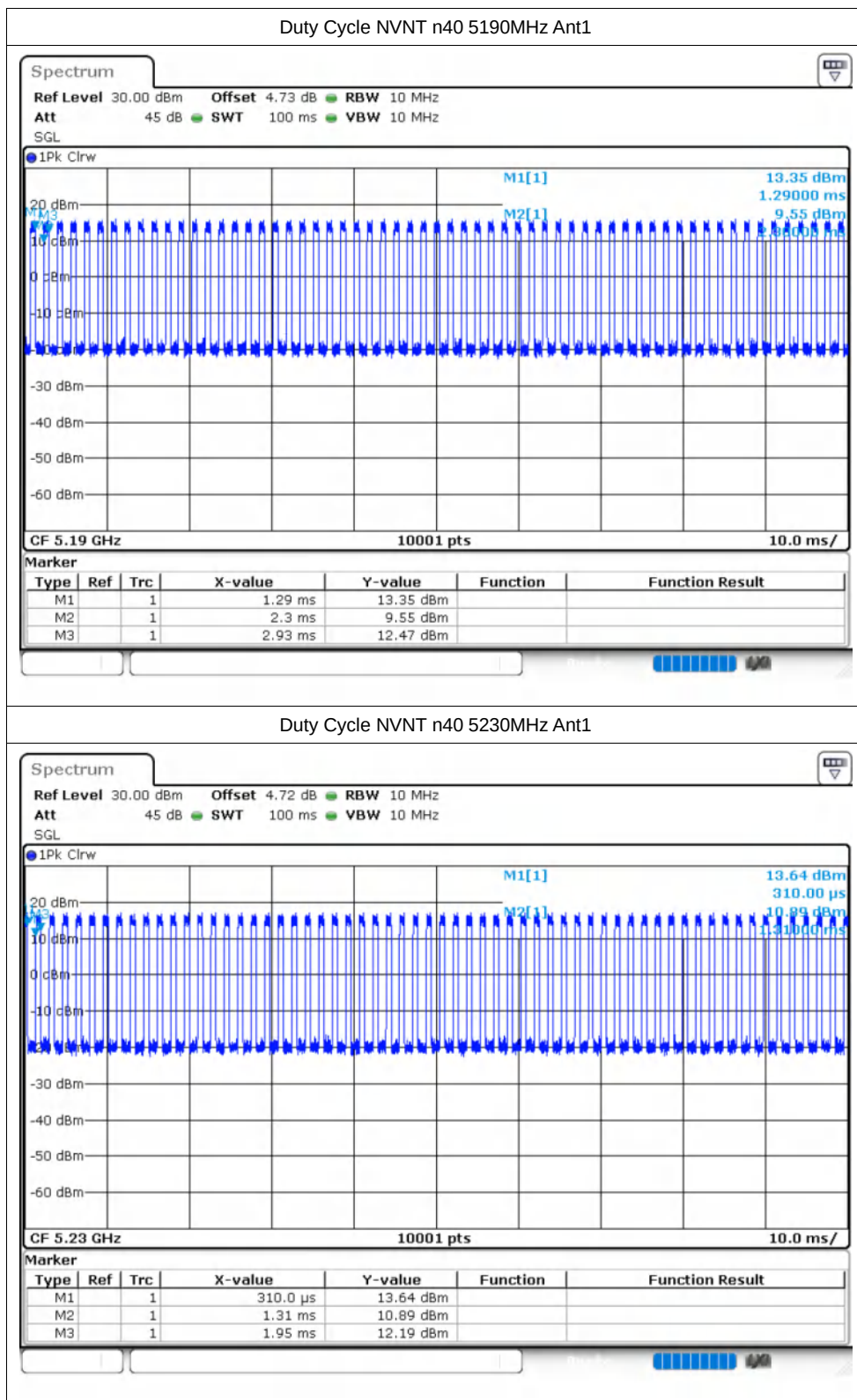


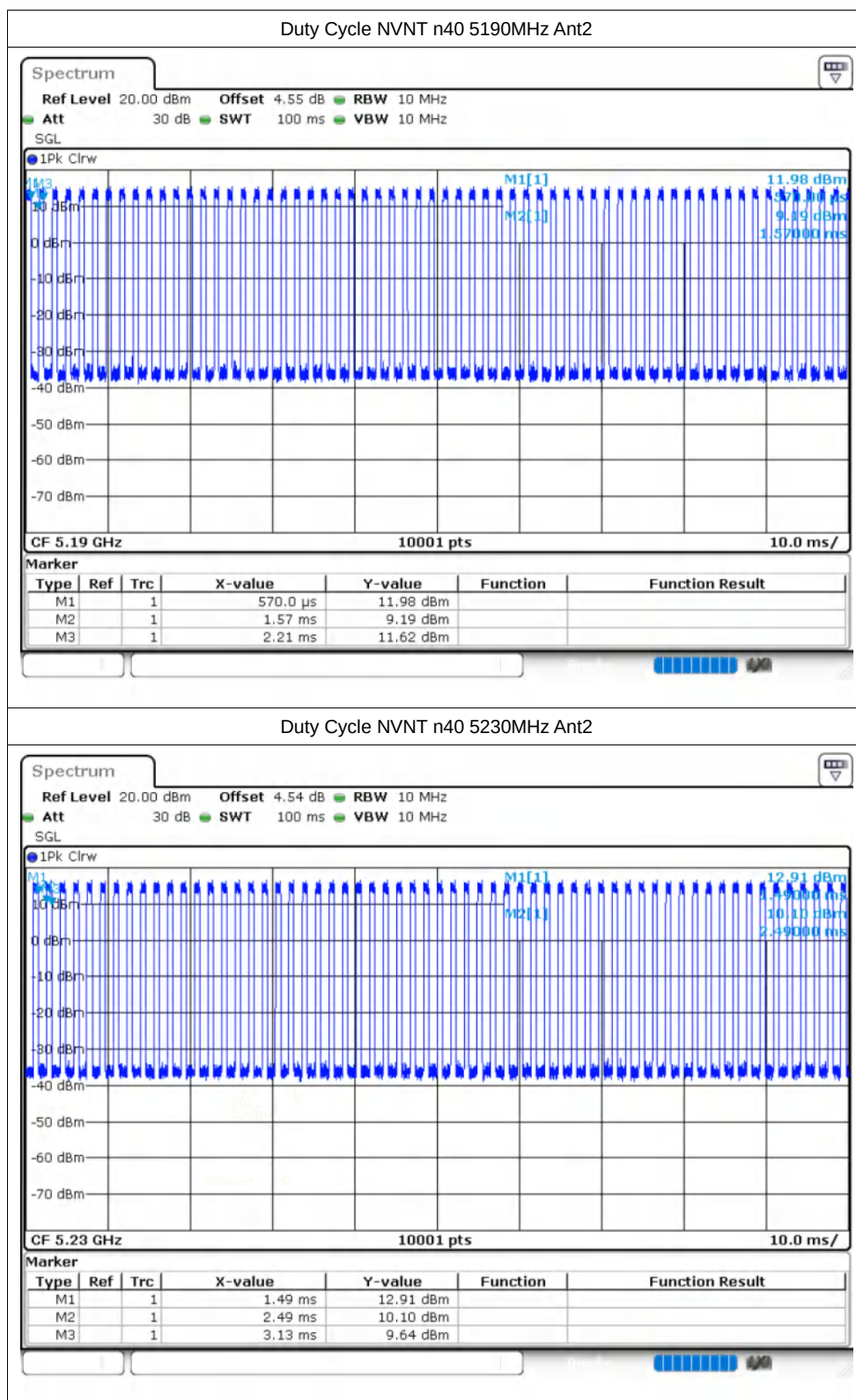
Duty Cycle NVNT n20 5200MHz Ant2

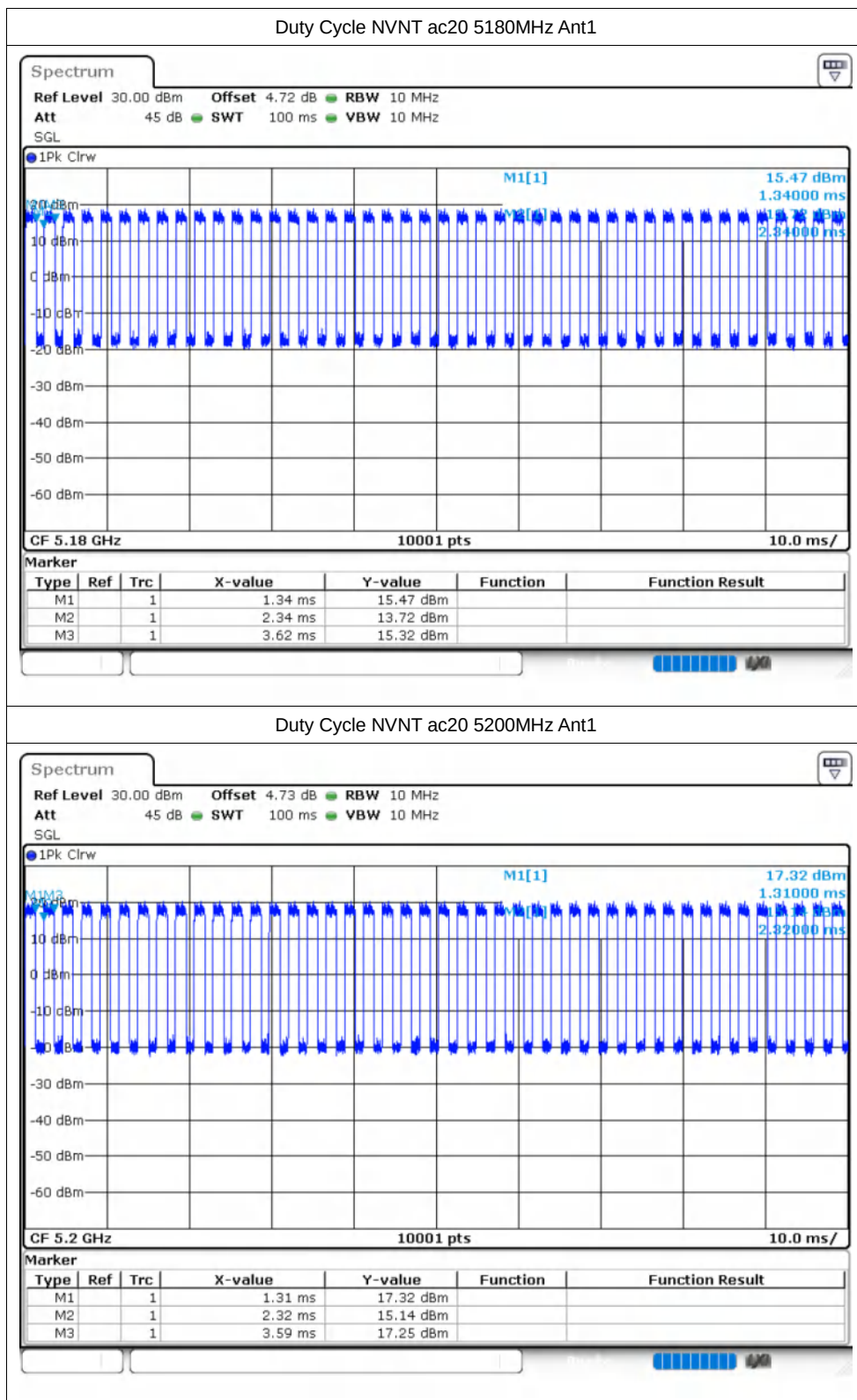


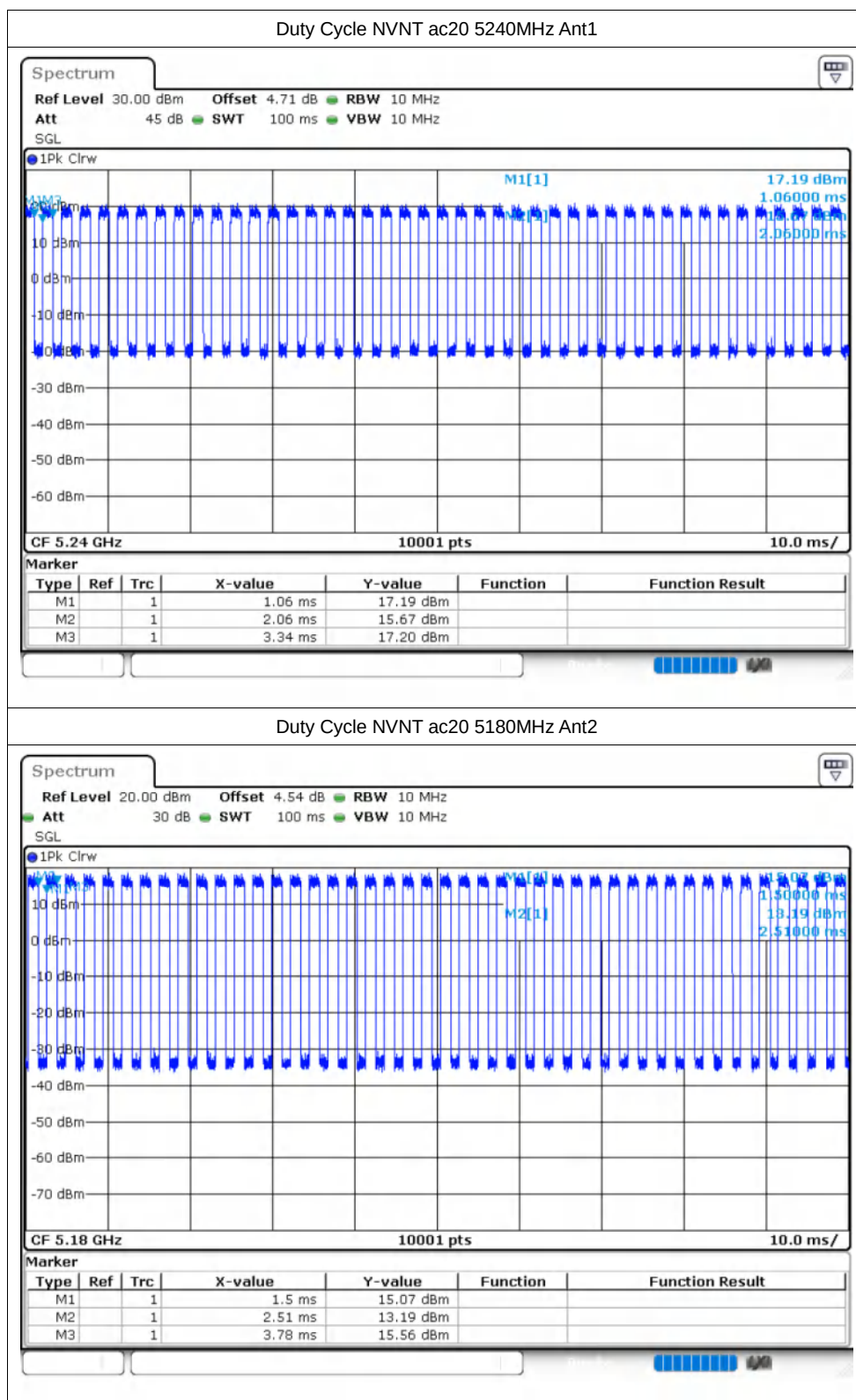
Duty Cycle NVNT n20 5240MHz Ant2

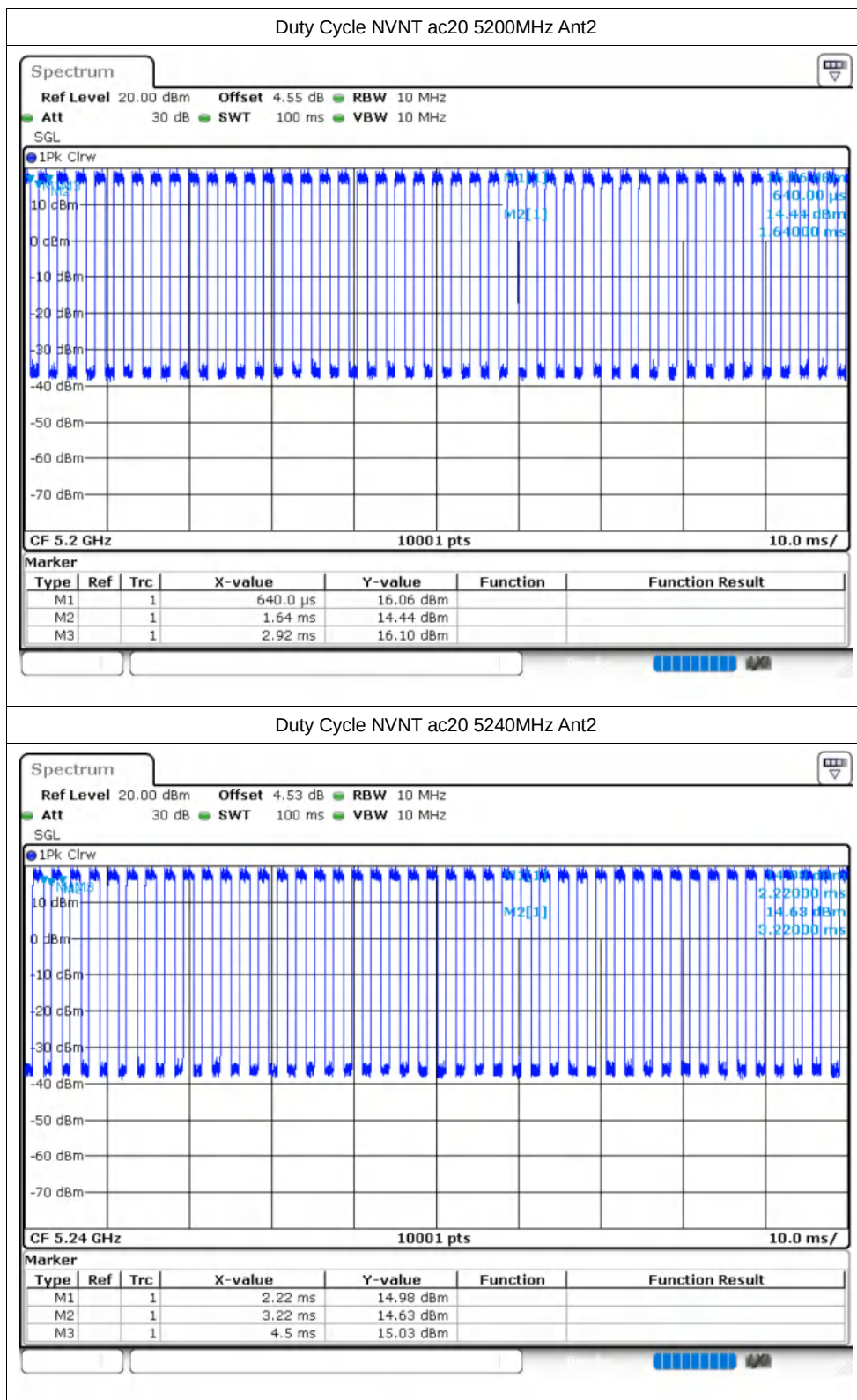


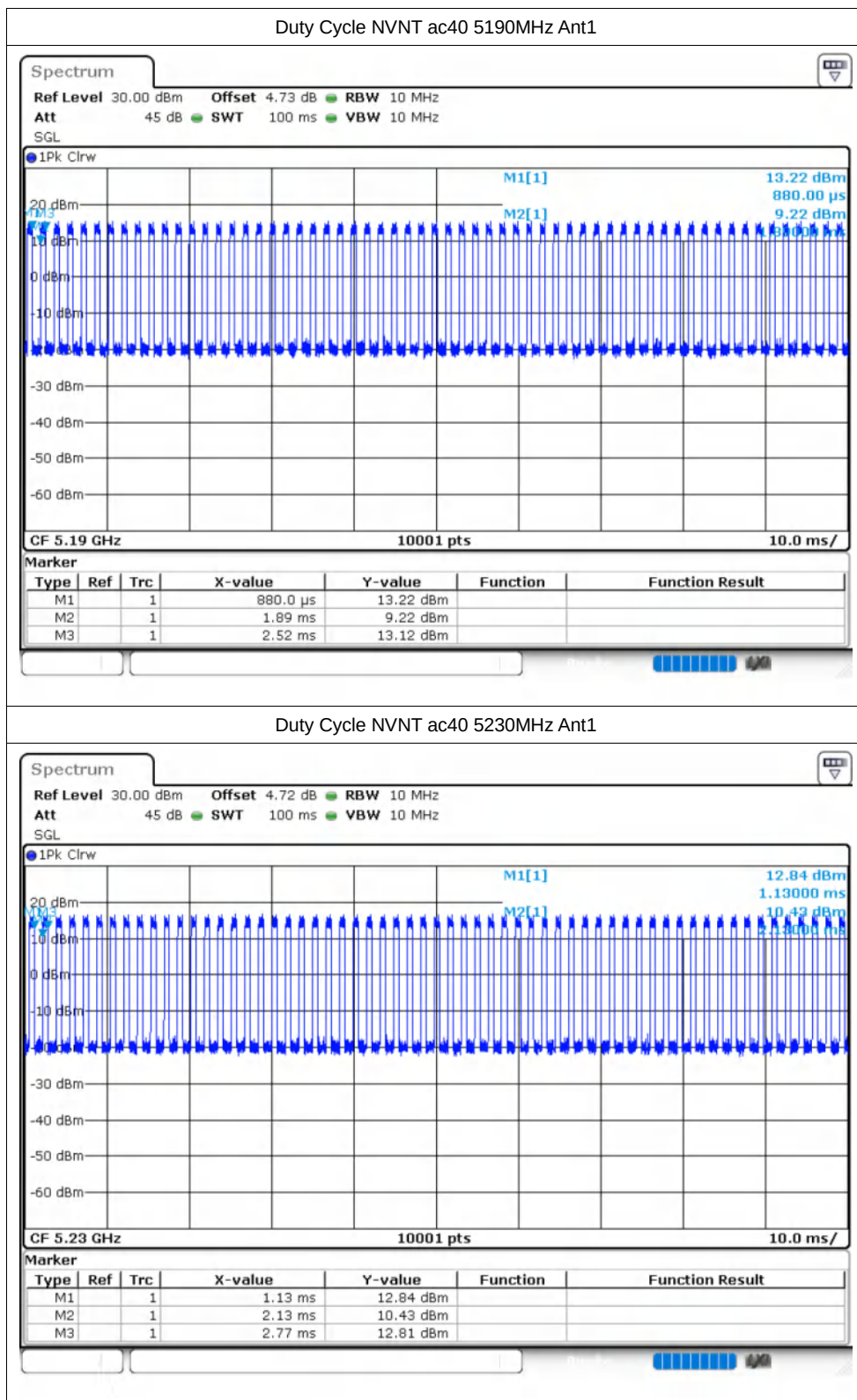




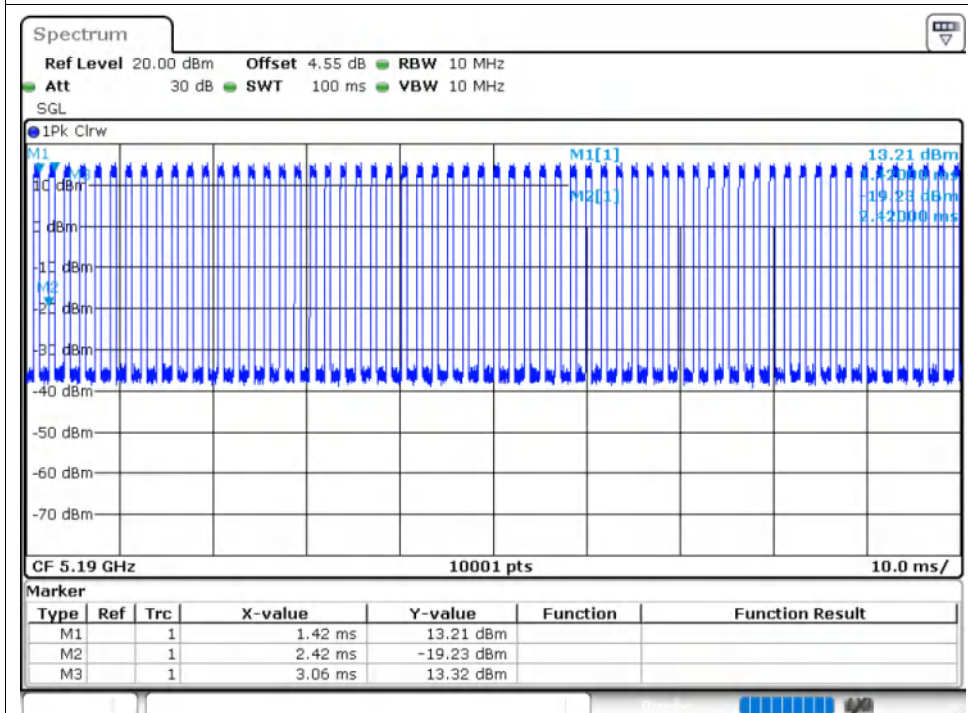




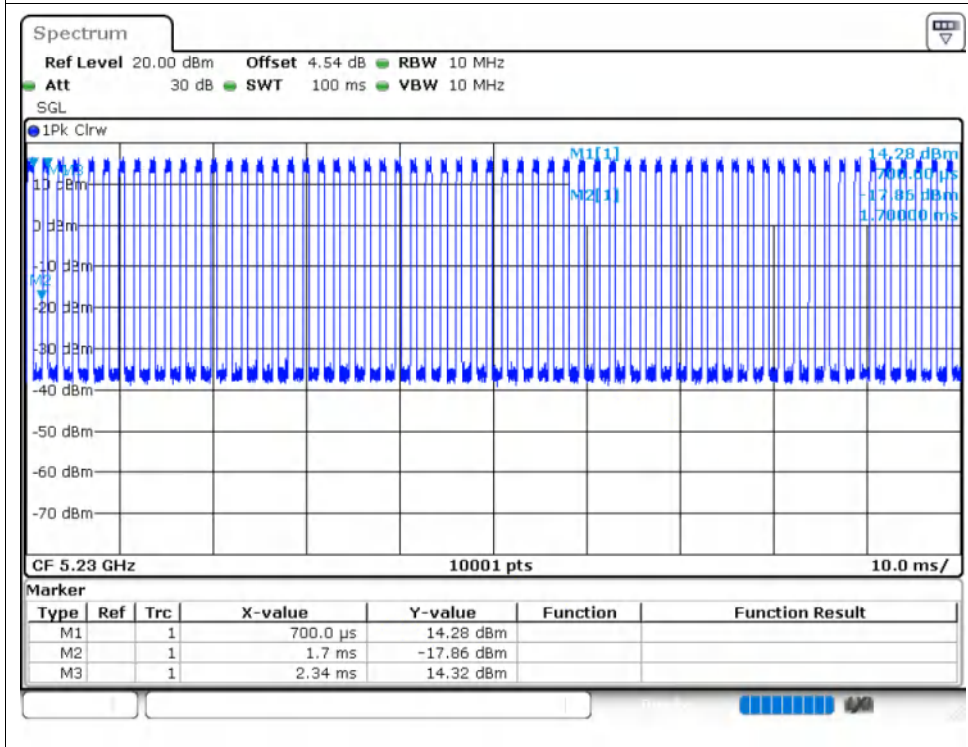


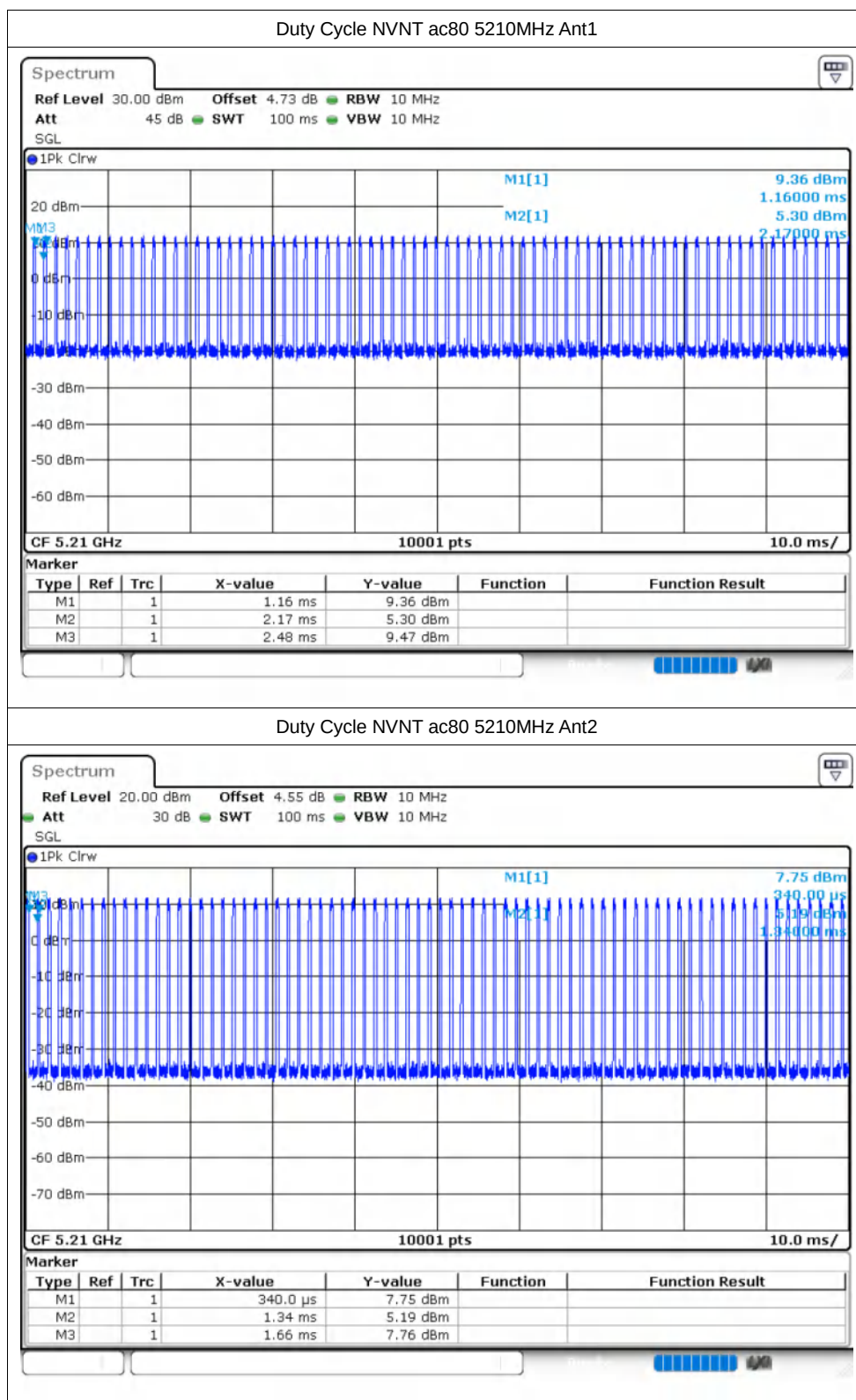


Duty Cycle NVNT ac40 5190MHz Ant2



Duty Cycle NVNT ac40 5230MHz Ant2





Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	14.55	24	Pass
NVNT	a	5200	Ant1	14.73	24	Pass
NVNT	a	5240	Ant1	14.84	24	Pass
NVNT	a	5180	Ant2	14.67	24	Pass
NVNT	a	5200	Ant2	14.96	24	Pass
NVNT	a	5240	Ant2	15.26	24	Pass
NVNT	n20	5180	Ant1	14.11	24	Pass
NVNT	n20	5200	Ant1	14.36	24	Pass
NVNT	n20	5240	Ant1	14.72	24	Pass
NVNT	n20	5180	Ant2	14.27	24	Pass
NVNT	n20	5200	Ant2	14.54	24	Pass
NVNT	n20	5240	Ant2	14.91	24	Pass
NVNT	n40	5190	Ant1	13.04	24	Pass
NVNT	n40	5230	Ant1	13.65	24	Pass
NVNT	n40	5190	Ant2	13.14	24	Pass
NVNT	n40	5230	Ant2	13.66	24	Pass
NVNT	ac20	5180	Ant1	13.69	24	Pass
NVNT	ac20	5200	Ant1	14.04	24	Pass
NVNT	ac20	5240	Ant1	14.42	24	Pass
NVNT	ac20	5180	Ant2	13.86	24	Pass
NVNT	ac20	5200	Ant2	14.08	24	Pass
NVNT	ac20	5240	Ant2	14.49	24	Pass
NVNT	ac40	5190	Ant1	12.56	24	Pass
NVNT	ac40	5230	Ant1	12.92	24	Pass
NVNT	ac40	5190	Ant2	13.18	24	Pass
NVNT	ac40	5230	Ant2	13.64	24	Pass
NVNT	ac80	5210	Ant1	12.81	24	Pass
NVNT	ac80	5210	Ant2	13.66	24	Pass

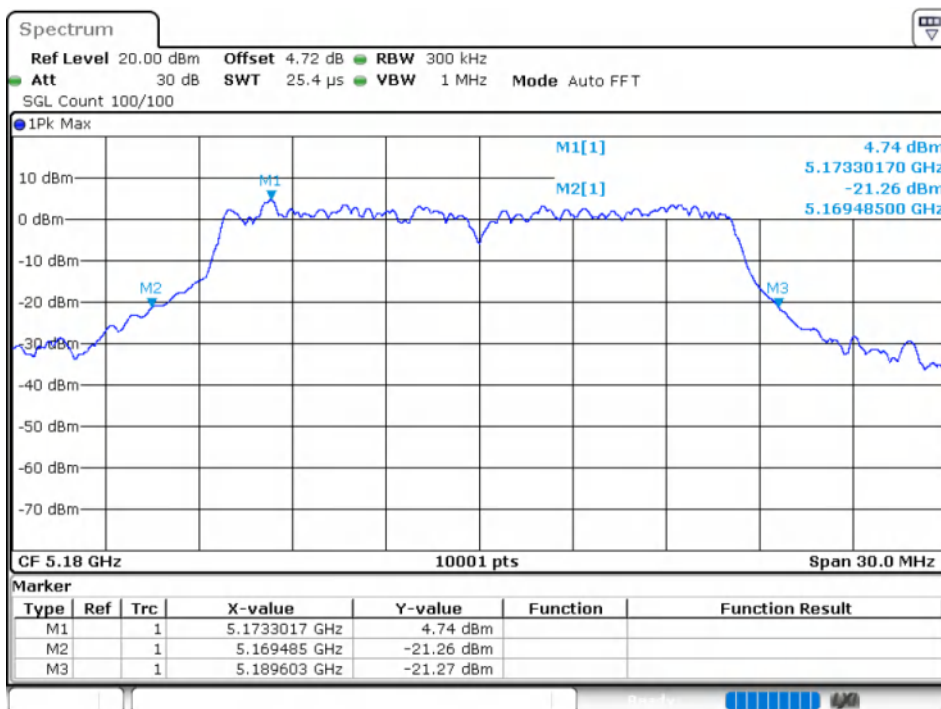
Note: The average power value already includes the duty cycle factor.

-26dB Bandwidth

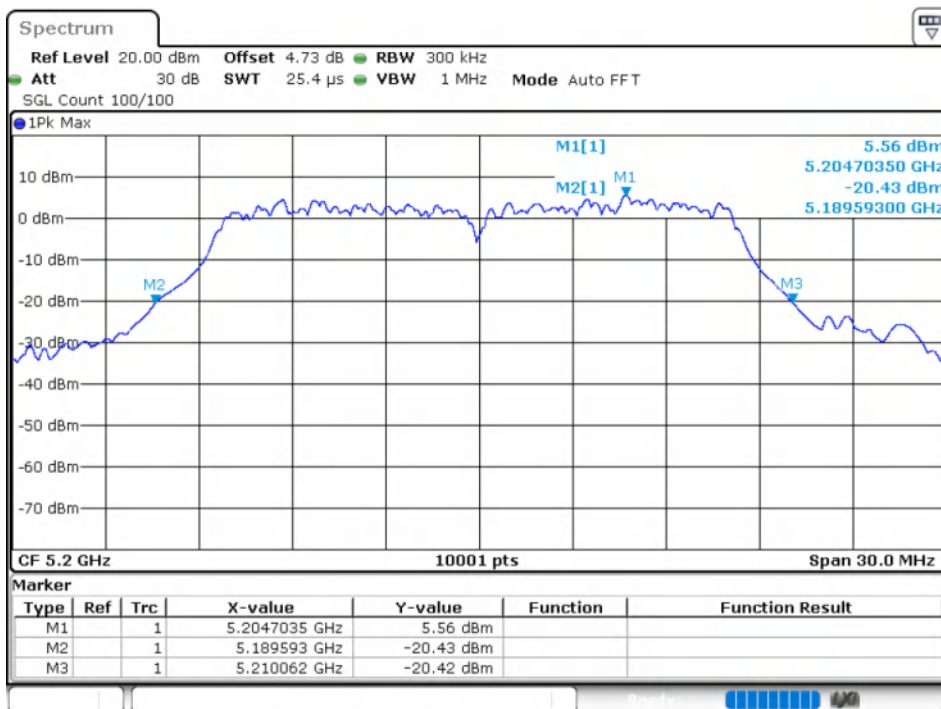
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.118	Pass
NVNT	a	5200	Ant1	20.469	Pass
NVNT	a	5240	Ant1	19.701	Pass
NVNT	a	5180	Ant2	19.959	Pass
NVNT	a	5200	Ant2	20.658	Pass
NVNT	a	5240	Ant2	20.454	Pass
NVNT	n20	5180	Ant1	21.243	Pass
NVNT	n20	5200	Ant1	21.168	Pass
NVNT	n20	5240	Ant1	21.309	Pass
NVNT	n20	5180	Ant2	21.192	Pass
NVNT	n20	5200	Ant2	21.105	Pass
NVNT	n20	5240	Ant2	20.328	Pass
NVNT	n40	5190	Ant1	42.864	Pass
NVNT	n40	5230	Ant1	42.966	Pass
NVNT	n40	5190	Ant2	42.648	Pass
NVNT	n40	5230	Ant2	42.822	Pass
NVNT	ac20	5180	Ant1	20.559	Pass
NVNT	ac20	5200	Ant1	21.273	Pass
NVNT	ac20	5240	Ant1	20.964	Pass
NVNT	ac20	5180	Ant2	20.916	Pass
NVNT	ac20	5200	Ant2	20.811	Pass
NVNT	ac20	5240	Ant2	21.003	Pass
NVNT	ac40	5190	Ant1	42.474	Pass
NVNT	ac40	5230	Ant1	42.276	Pass
NVNT	ac40	5190	Ant2	42.588	Pass
NVNT	ac40	5230	Ant2	40.254	Pass
NVNT	ac80	5210	Ant1	81.744	Pass
NVNT	ac80	5210	Ant2	81.72	Pass

Test Graphs

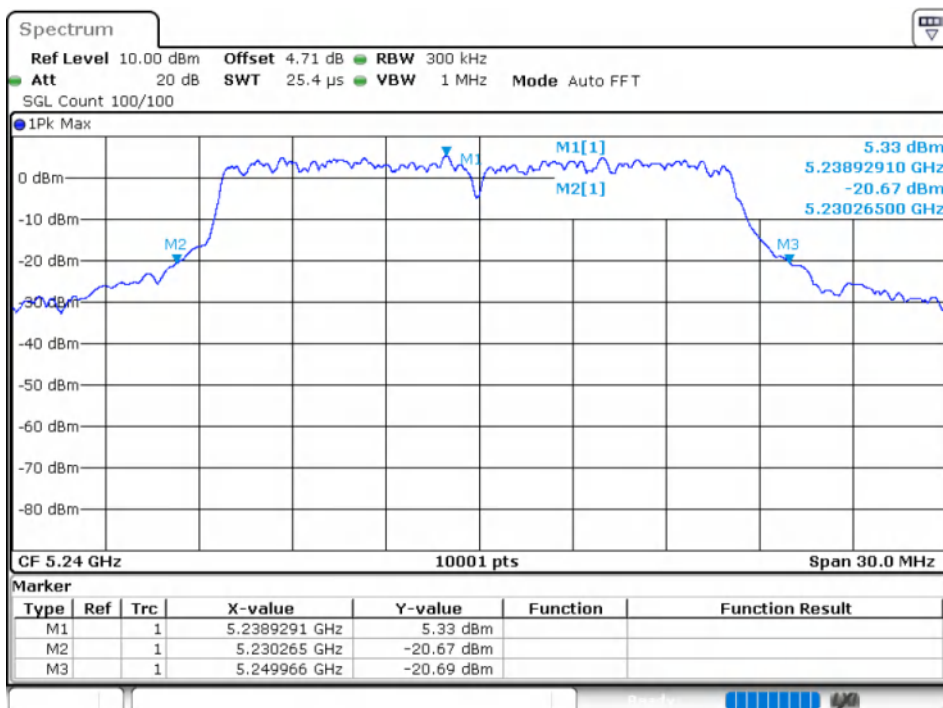
-26dB Bandwidth NVNT a 5180MHz Ant1



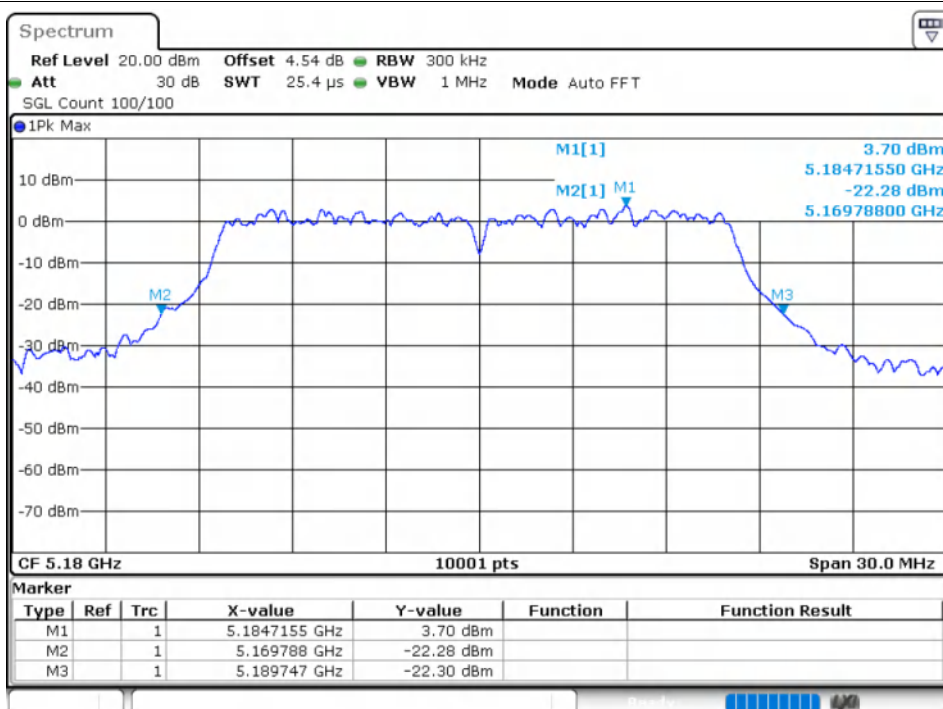
-26dB Bandwidth NVNT a 5200MHz Ant1



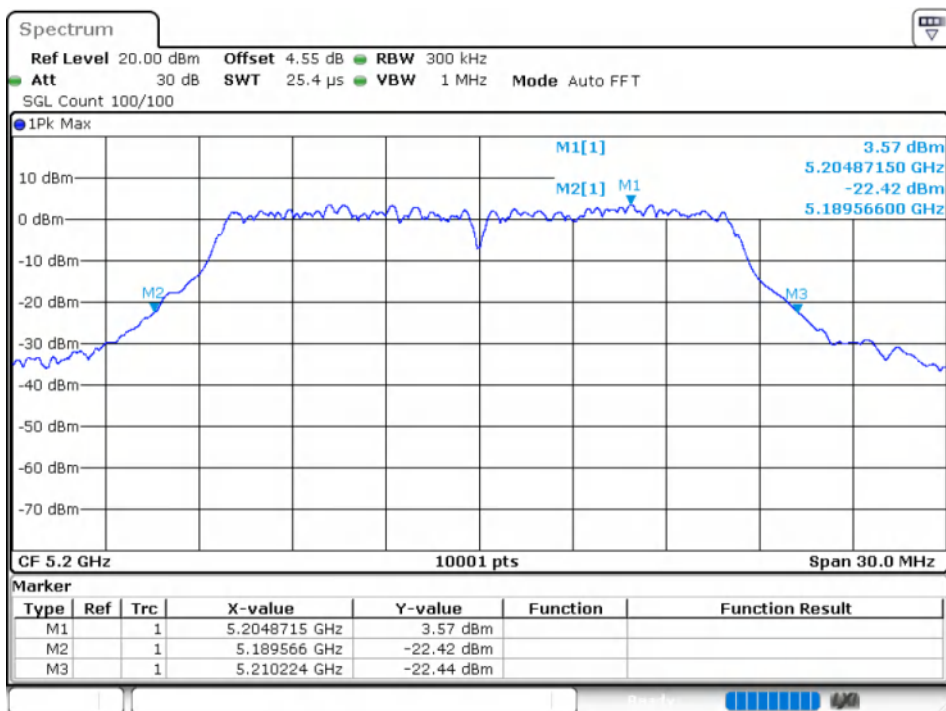
-26dB Bandwidth NVNT a 5240MHz Ant1



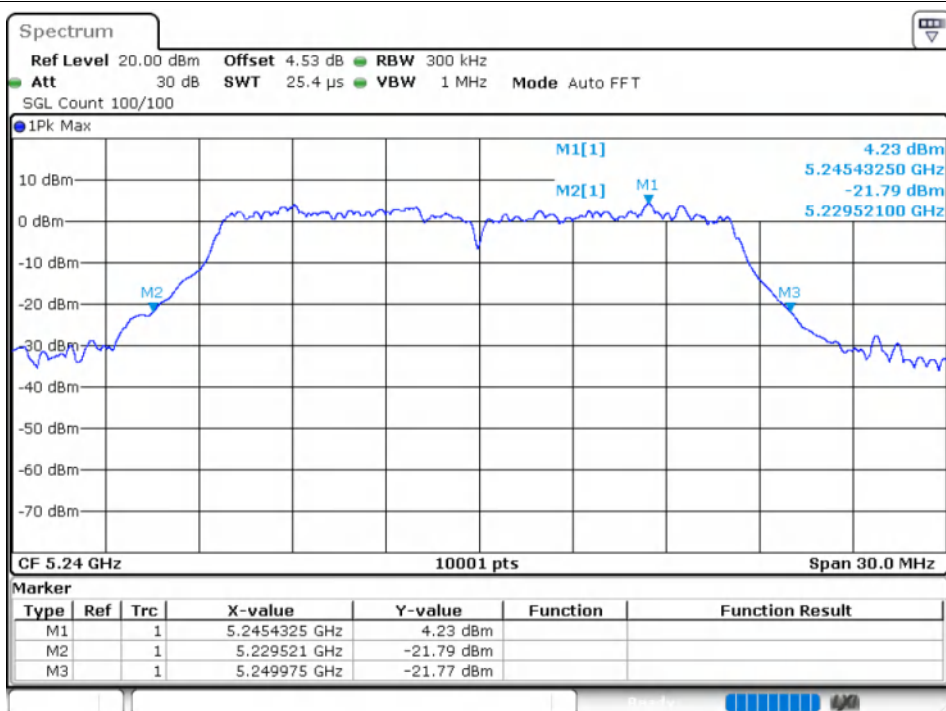
-26dB Bandwidth NVNT a 5180MHz Ant2

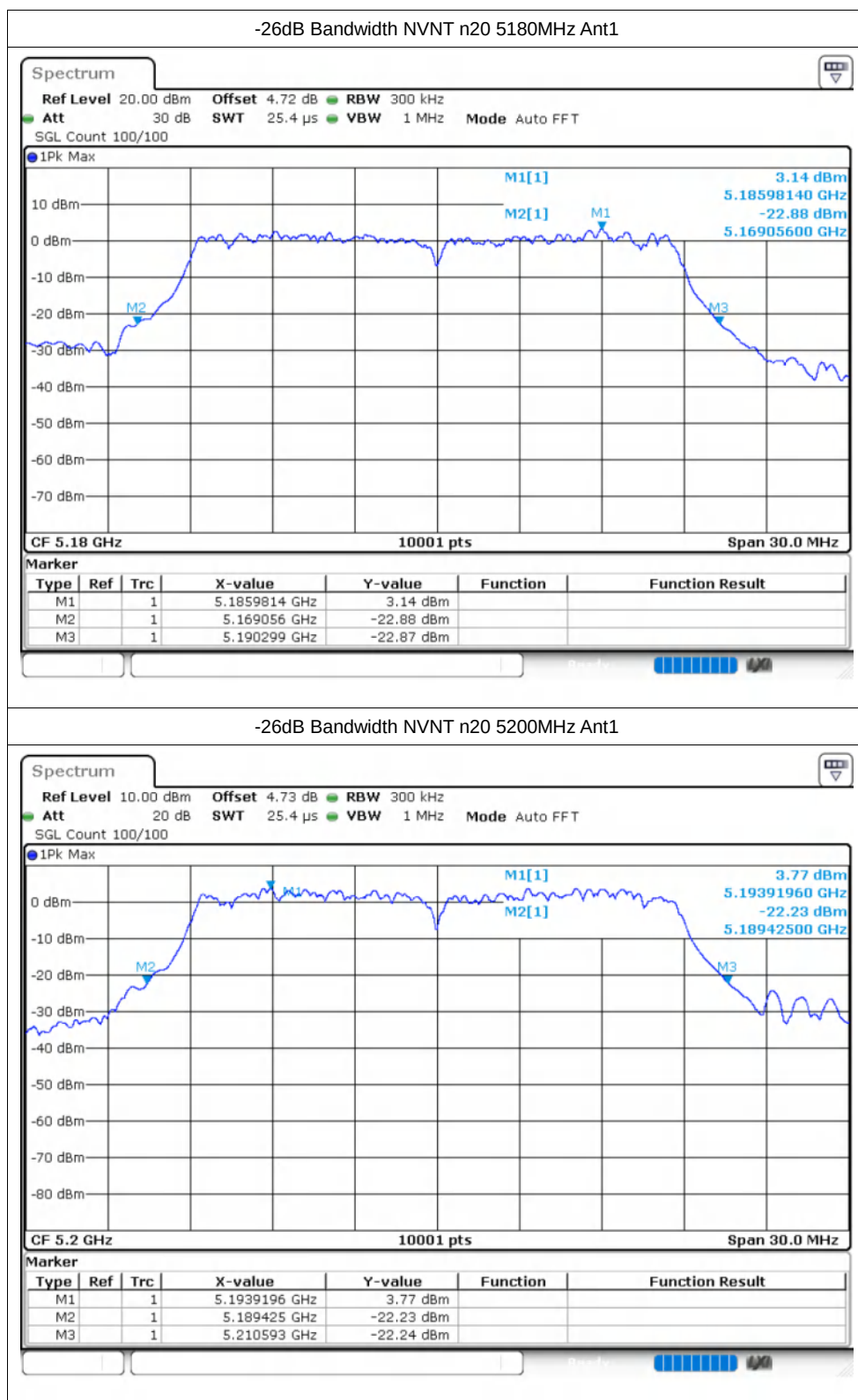


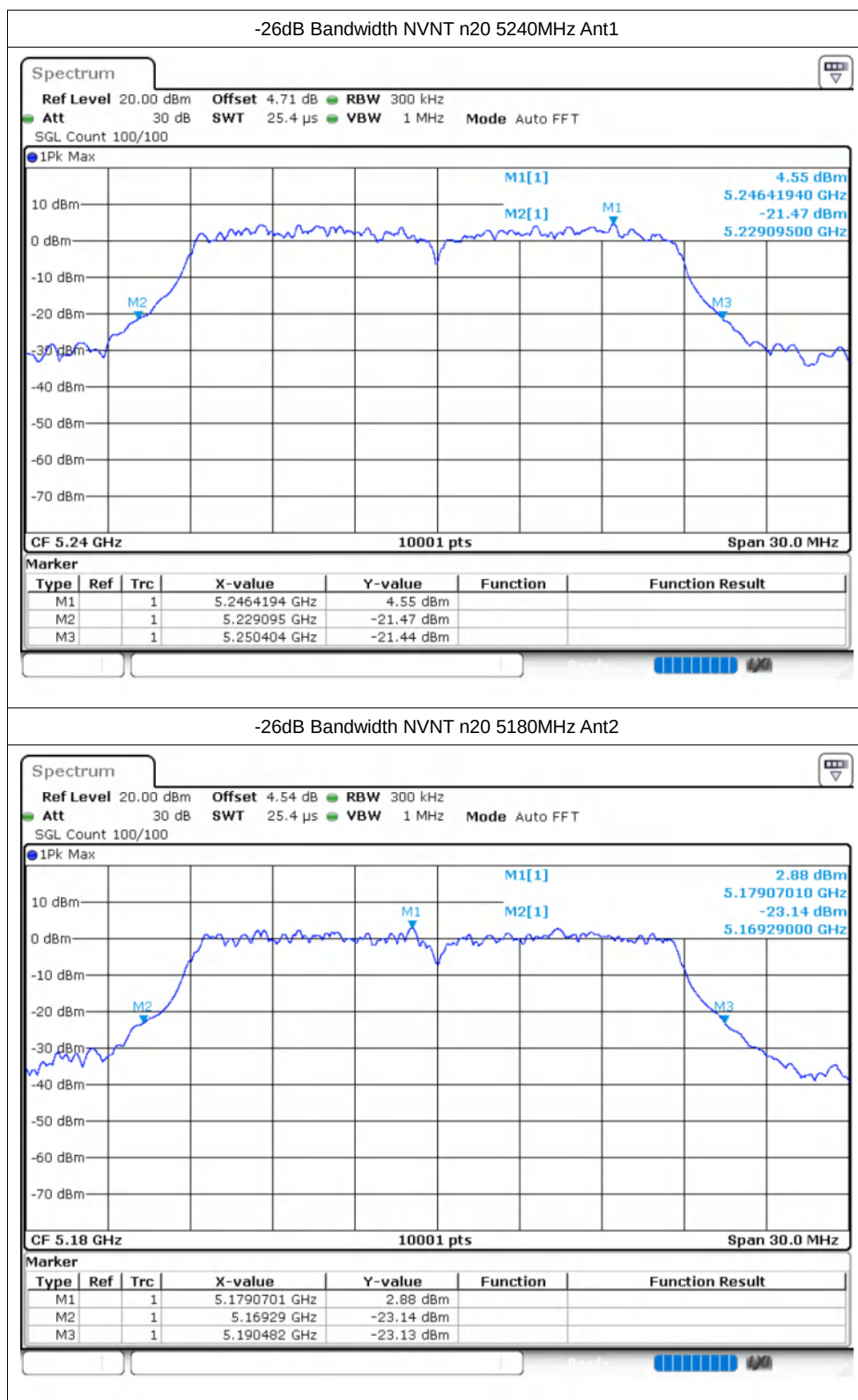
-26dB Bandwidth NVNT a 5200MHz Ant2

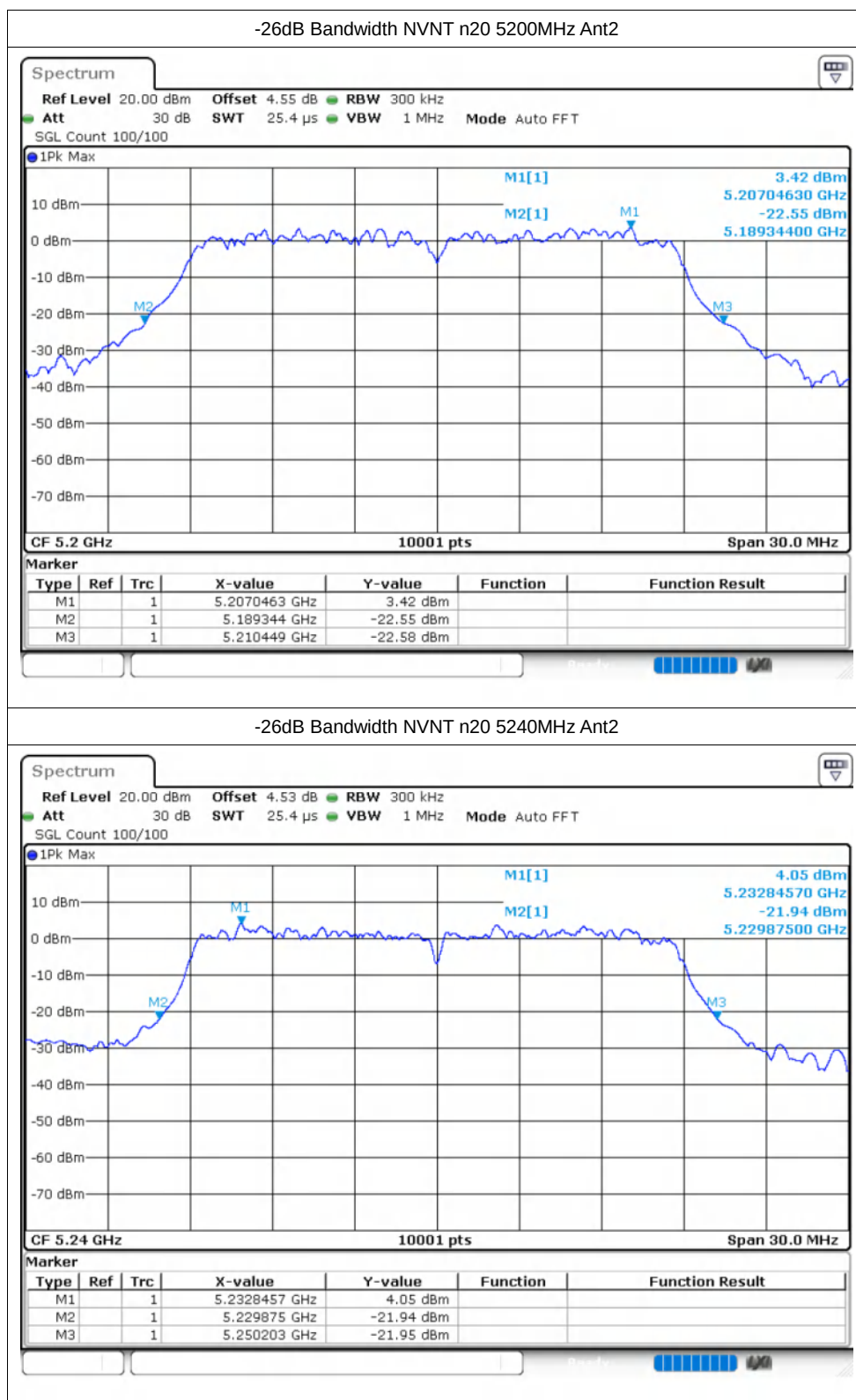


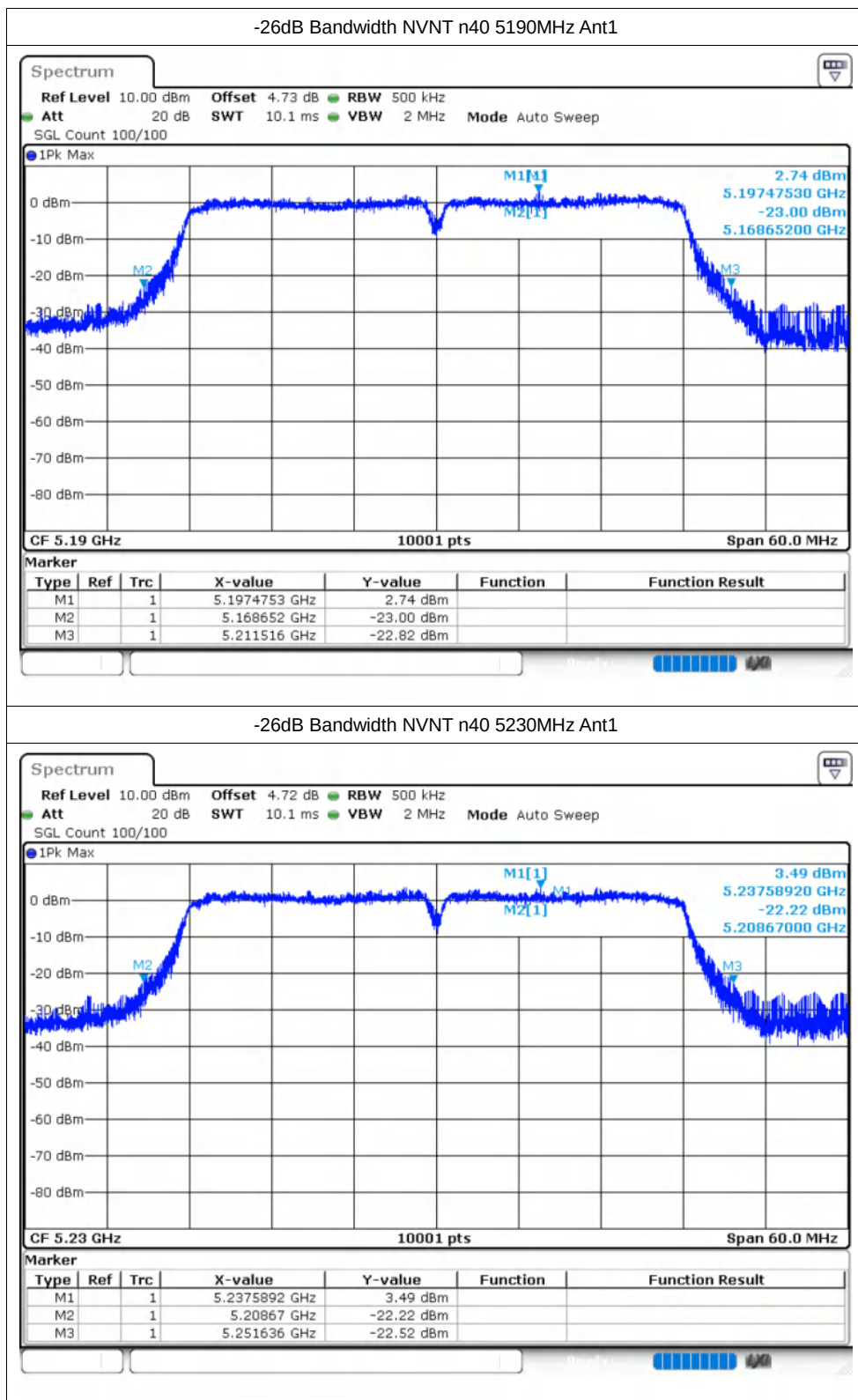
-26dB Bandwidth NVNT a 5240MHz Ant2

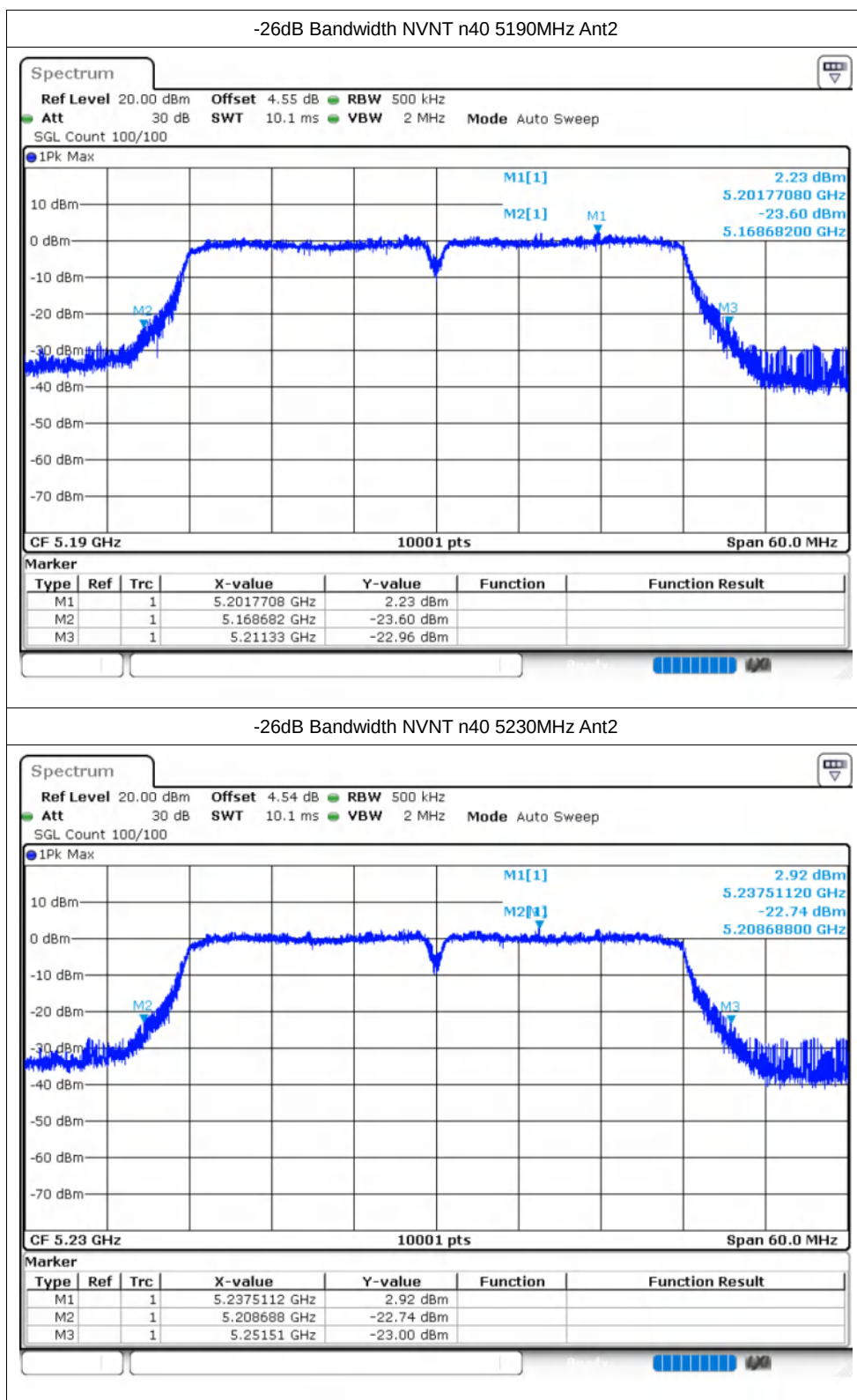


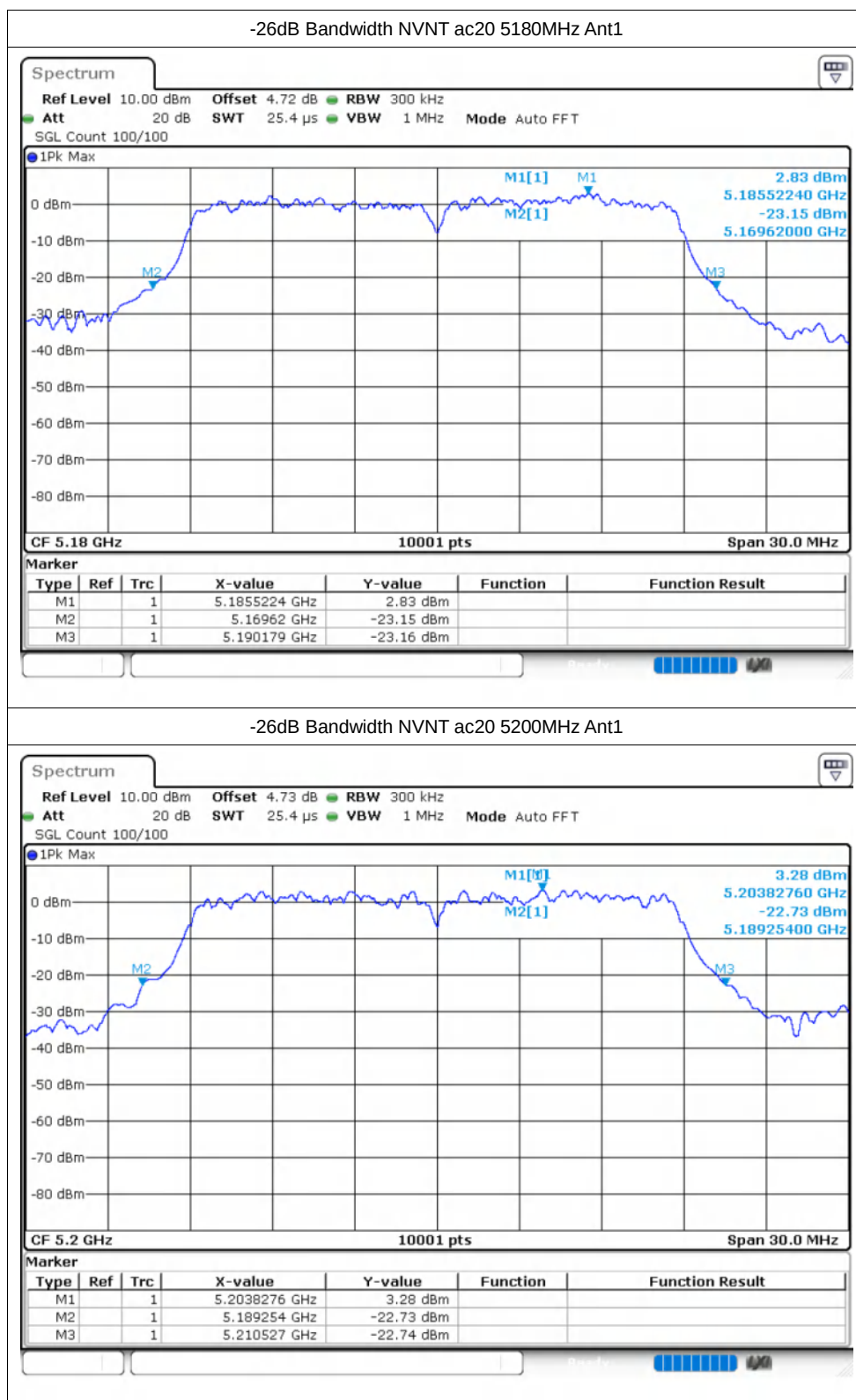




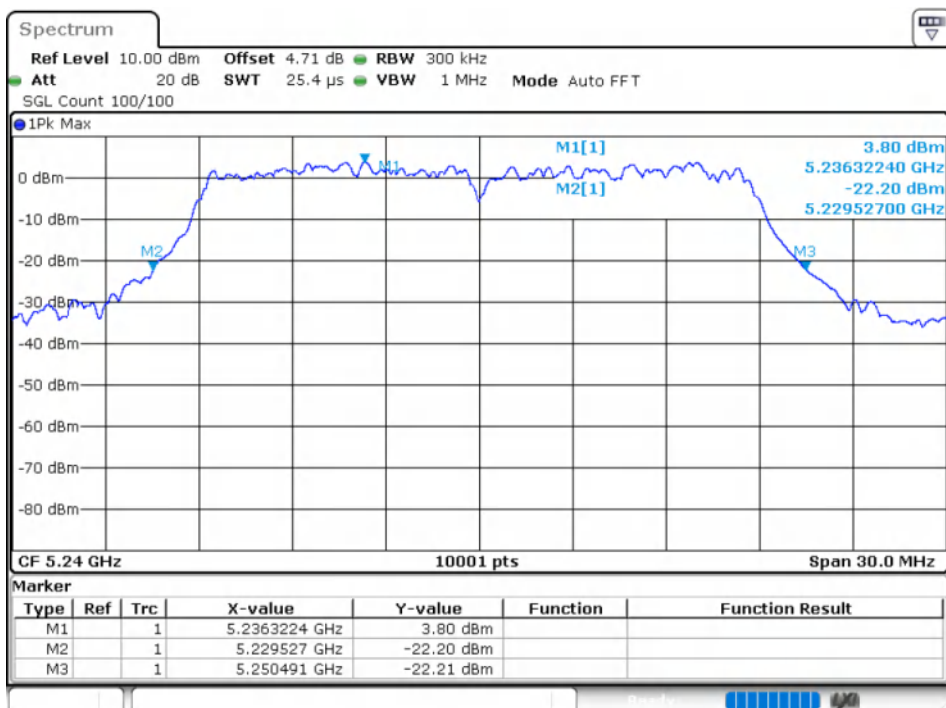




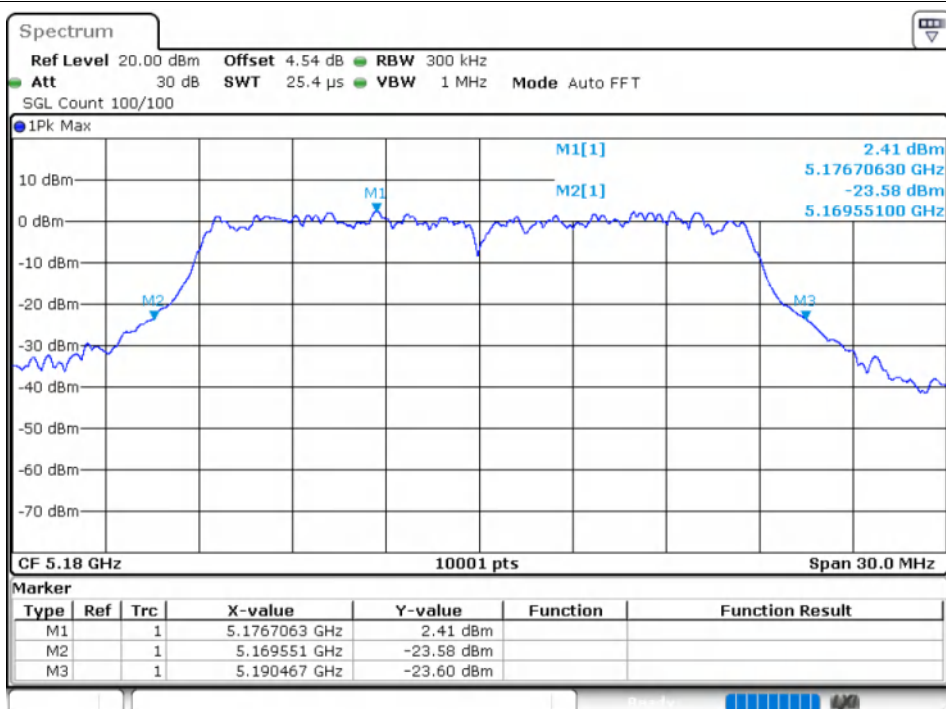


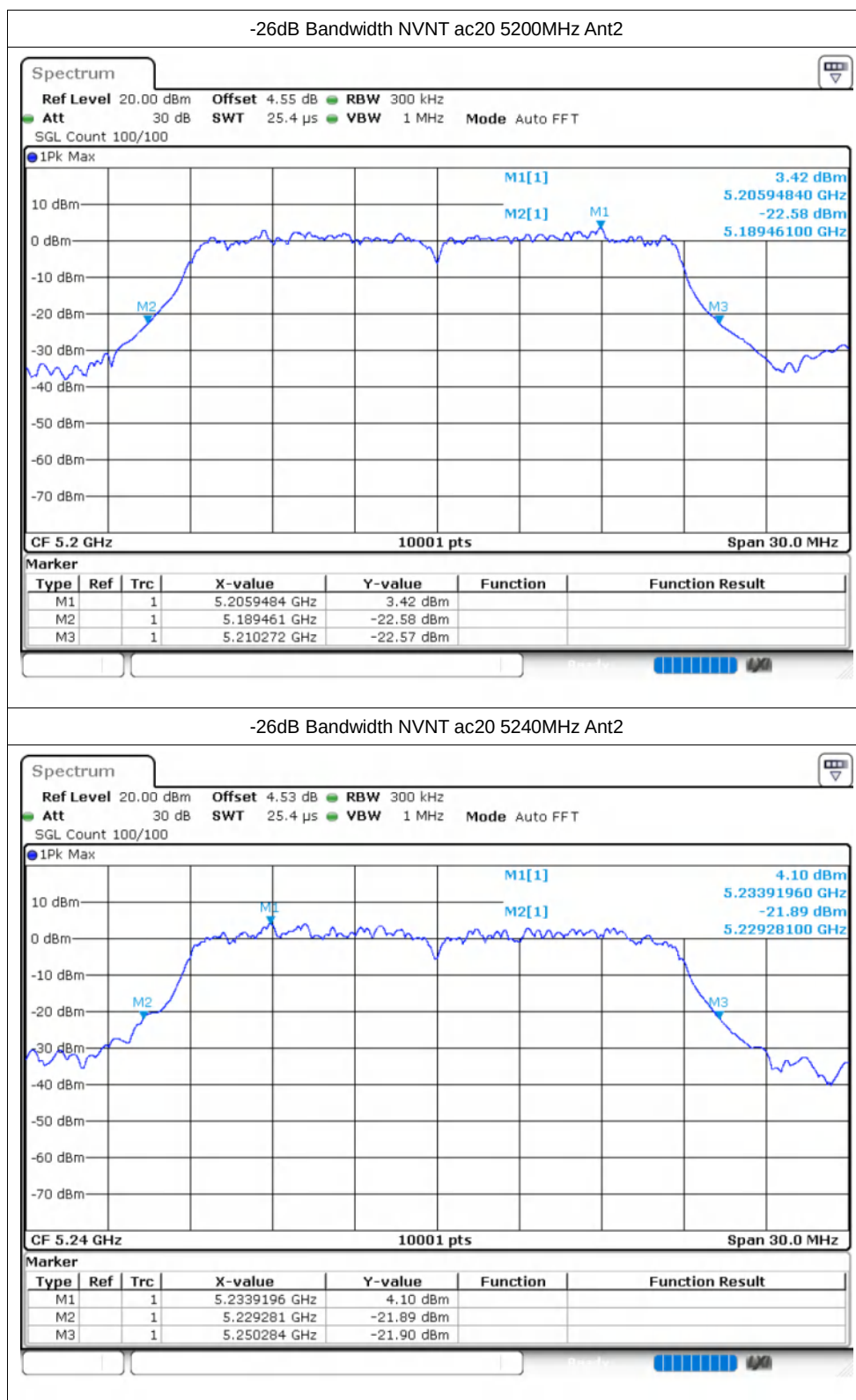


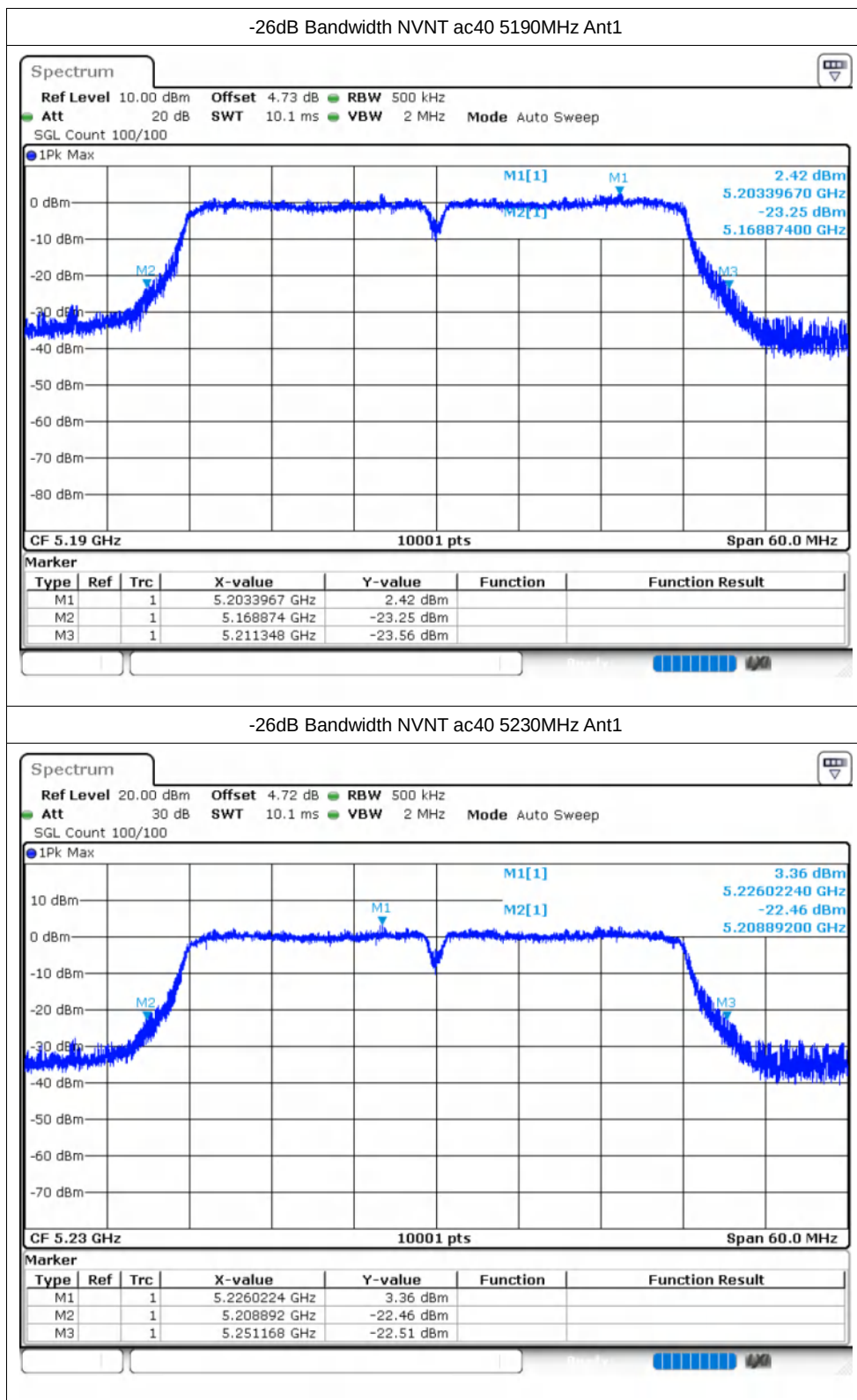
-26dB Bandwidth NVNT ac20 5240MHz Ant1

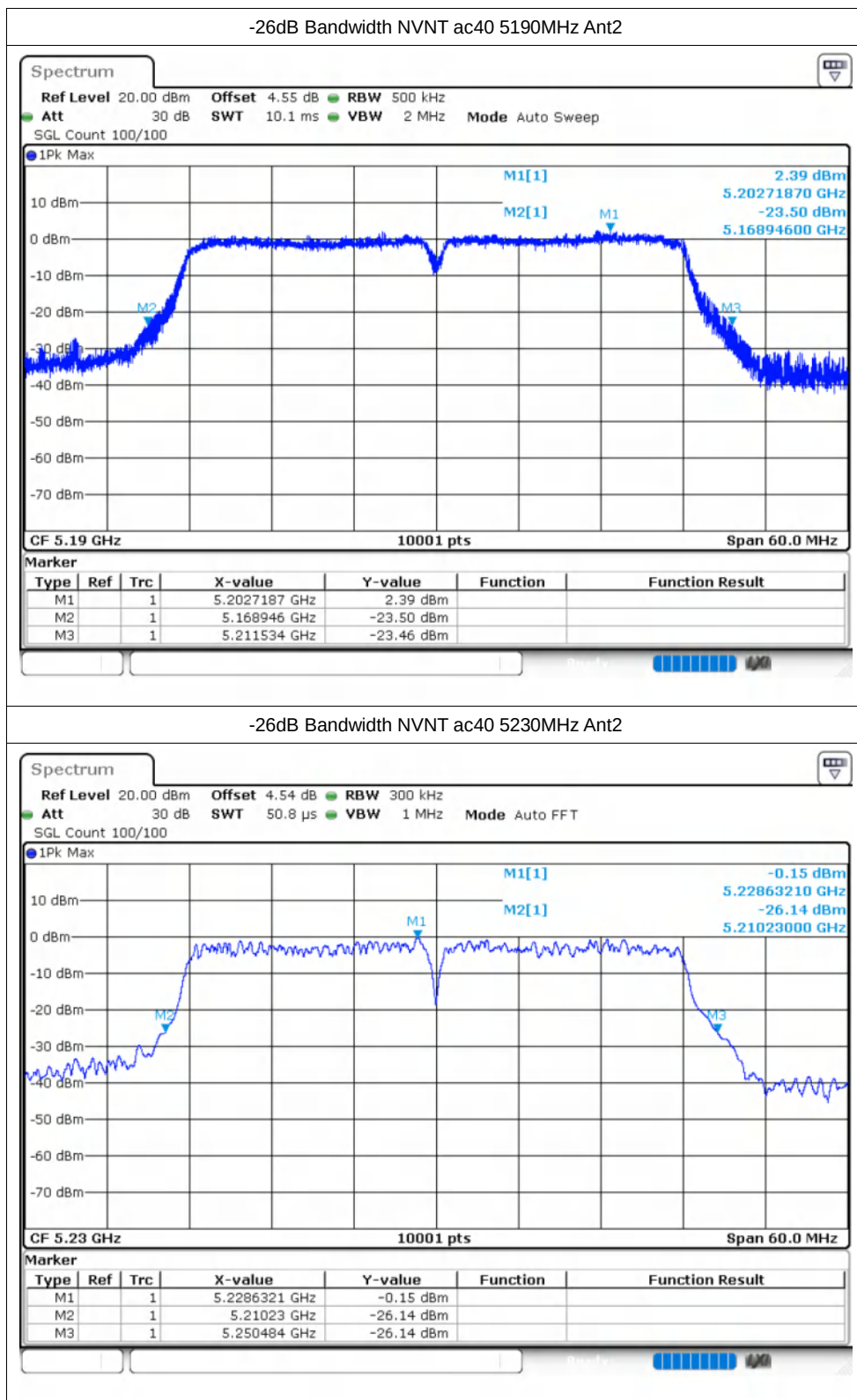


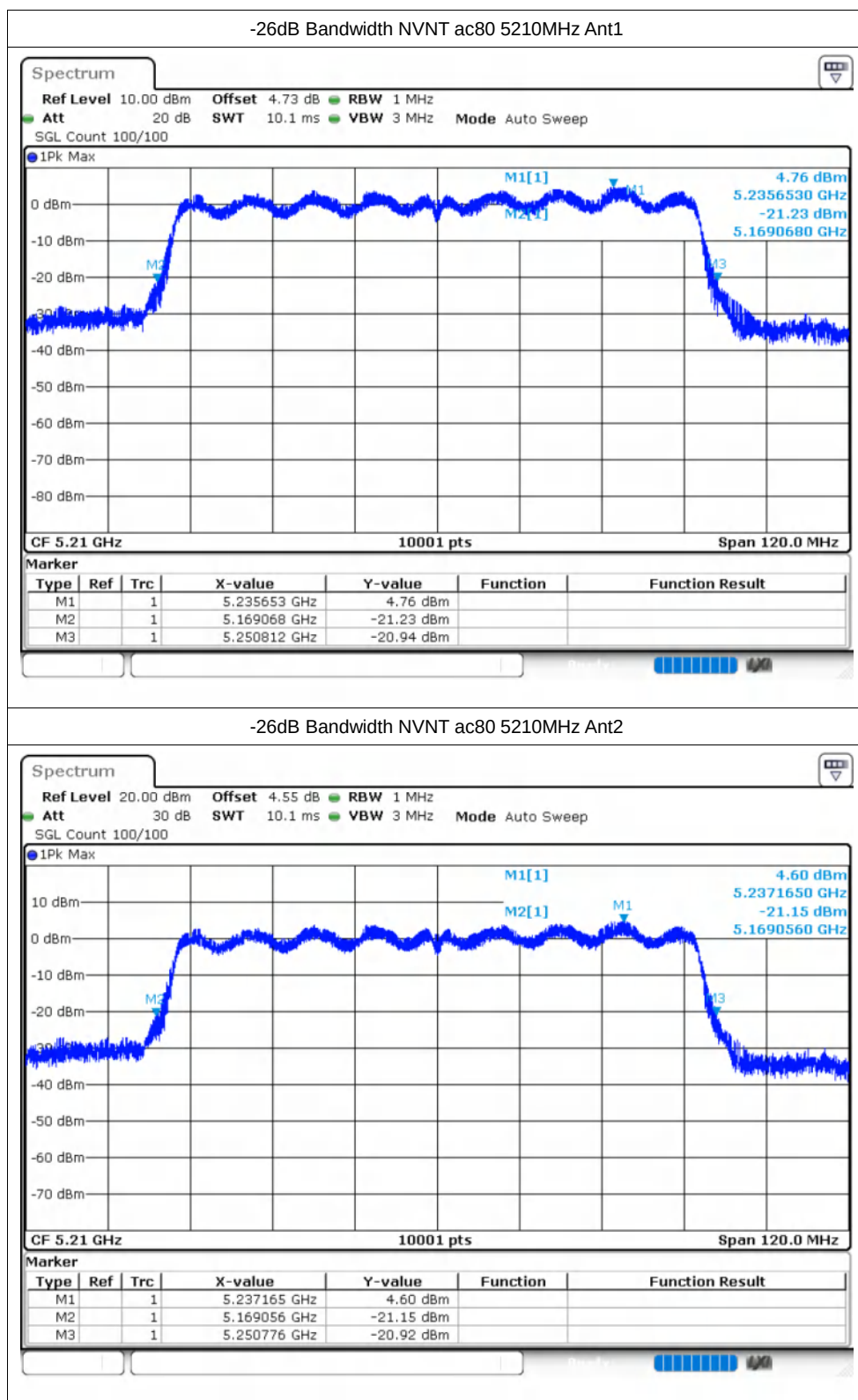
-26dB Bandwidth NVNT ac20 5180MHz Ant2









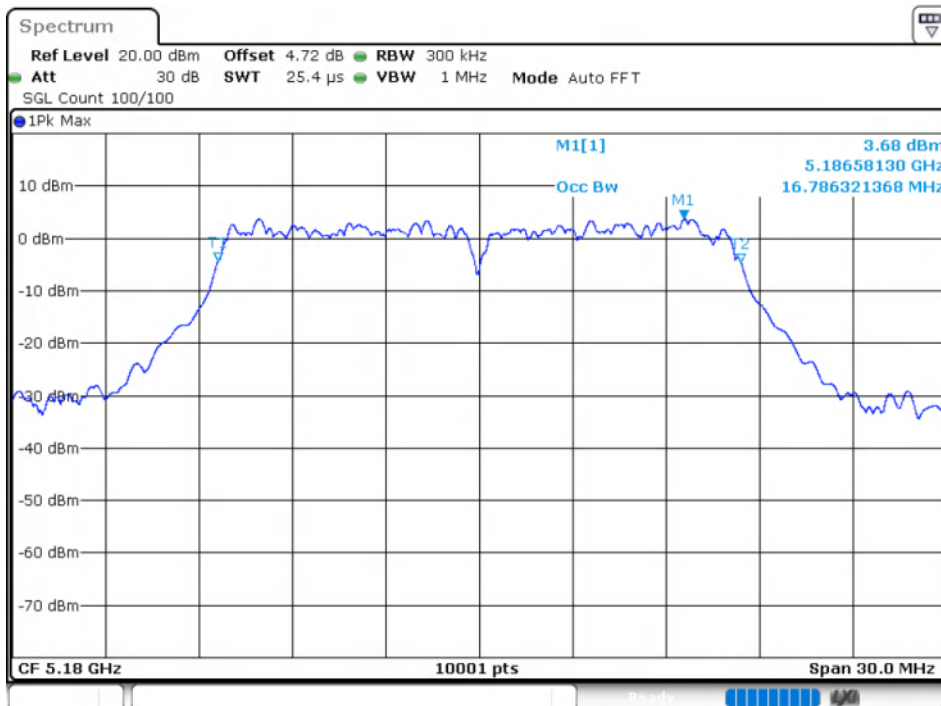


Occupied Channel Bandwidth

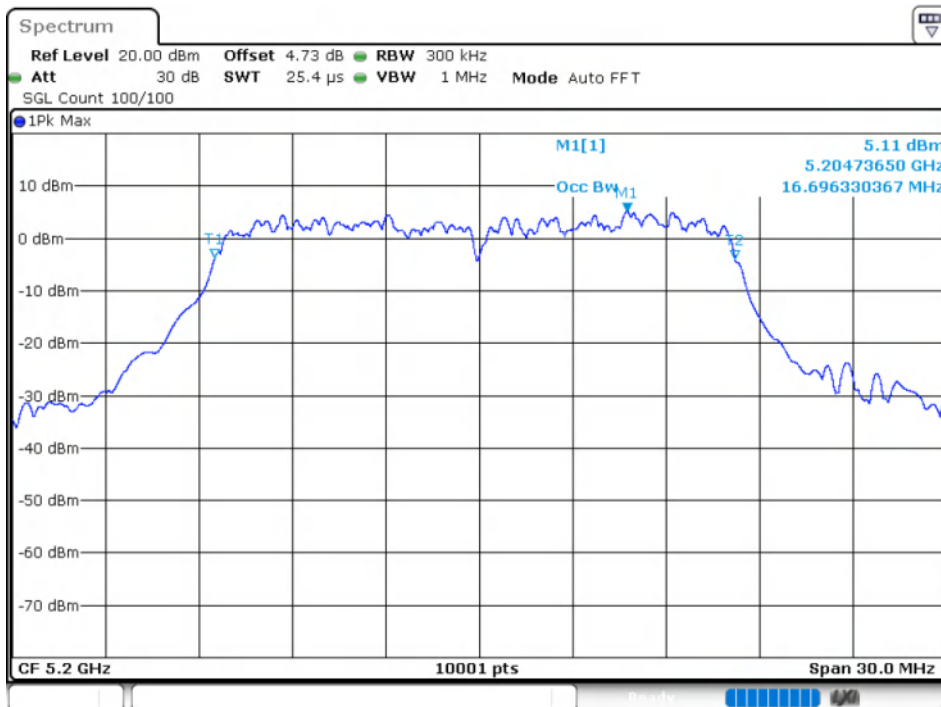
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.786
NVNT	a	5200	Ant1	16.696
NVNT	a	5240	Ant1	16.825
NVNT	a	5180	Ant2	16.795
NVNT	a	5200	Ant2	16.504
NVNT	a	5240	Ant2	16.534
NVNT	n20	5180	Ant1	17.629
NVNT	n20	5200	Ant1	17.638
NVNT	n20	5240	Ant1	17.611
NVNT	n20	5180	Ant2	17.902
NVNT	n20	5200	Ant2	17.575
NVNT	n20	5240	Ant2	17.782
NVNT	n40	5190	Ant1	36.26
NVNT	n40	5230	Ant1	36.182
NVNT	n40	5190	Ant2	36.242
NVNT	n40	5230	Ant2	36.17
NVNT	ac20	5180	Ant1	17.953
NVNT	ac20	5200	Ant1	17.851
NVNT	ac20	5240	Ant1	17.626
NVNT	ac20	5180	Ant2	17.932
NVNT	ac20	5200	Ant2	17.653
NVNT	ac20	5240	Ant2	17.821
NVNT	ac40	5190	Ant1	36.254
NVNT	ac40	5230	Ant1	36.224
NVNT	ac40	5190	Ant2	36.236
NVNT	ac40	5230	Ant2	35.972
NVNT	ac80	5210	Ant1	75.472
NVNT	ac80	5210	Ant2	75.316

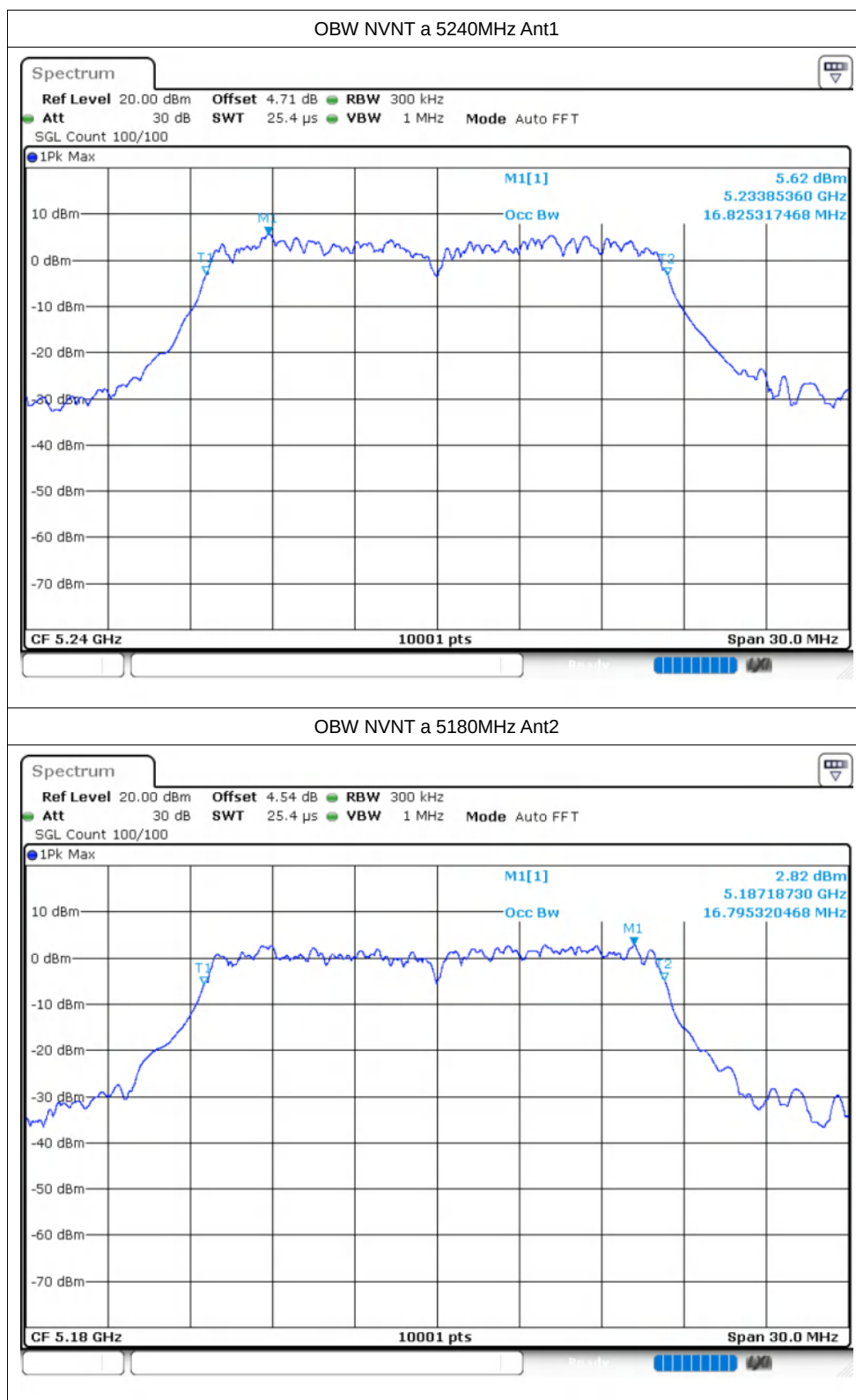
Test Graphs

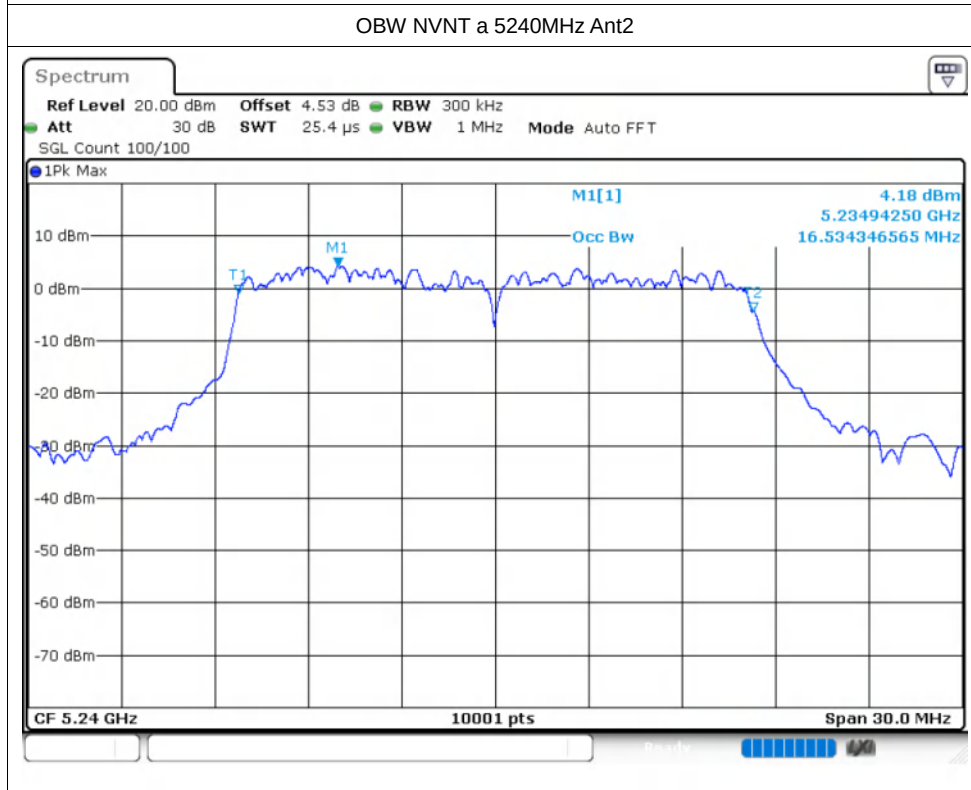
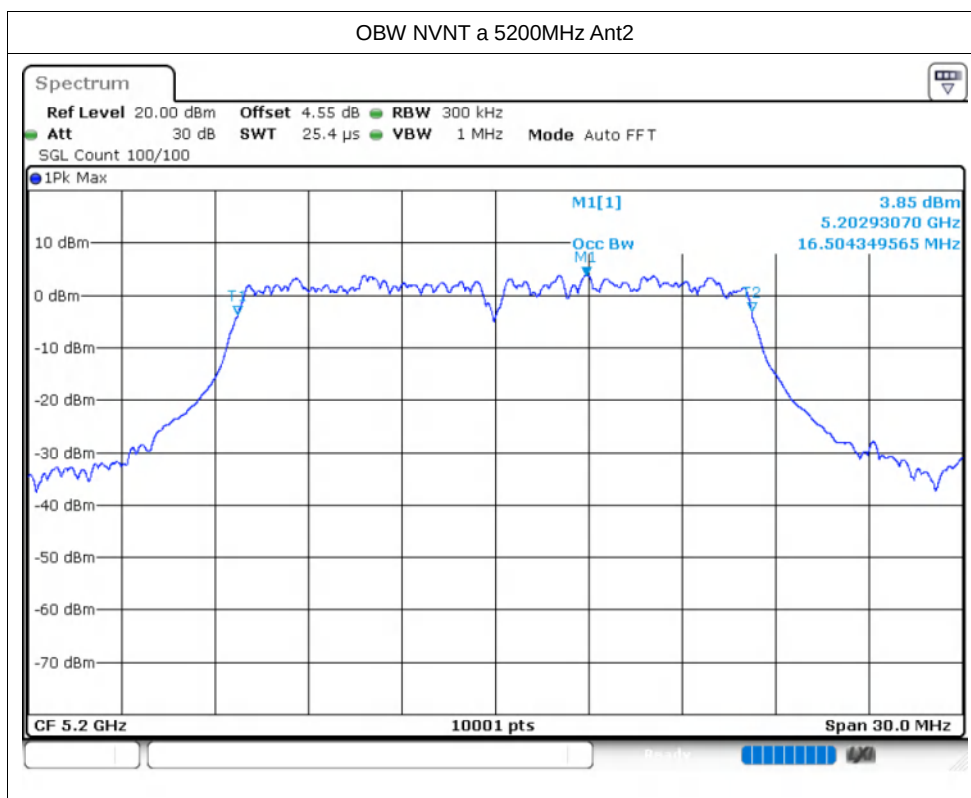
OBW NVNT a 5180MHz Ant1

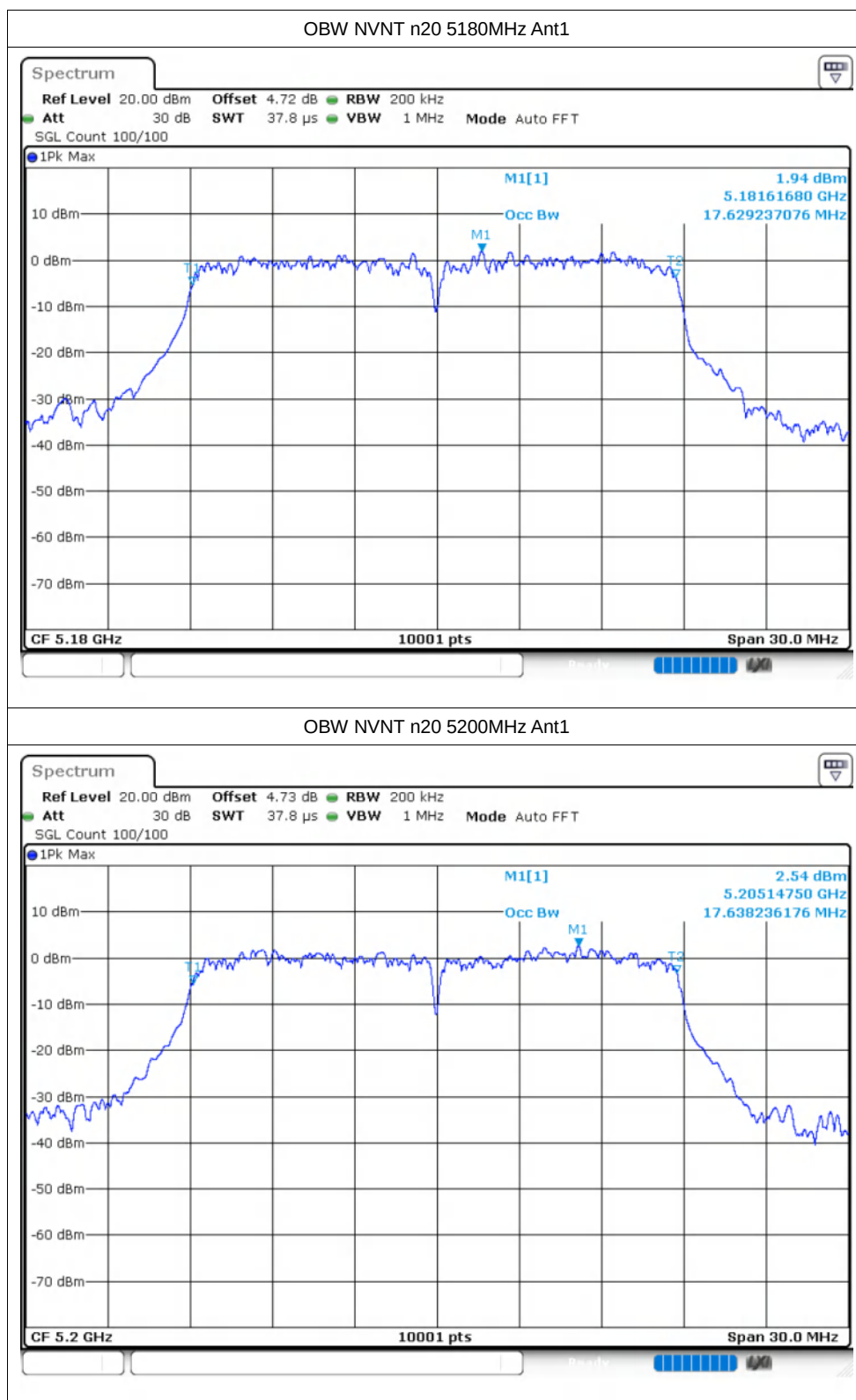


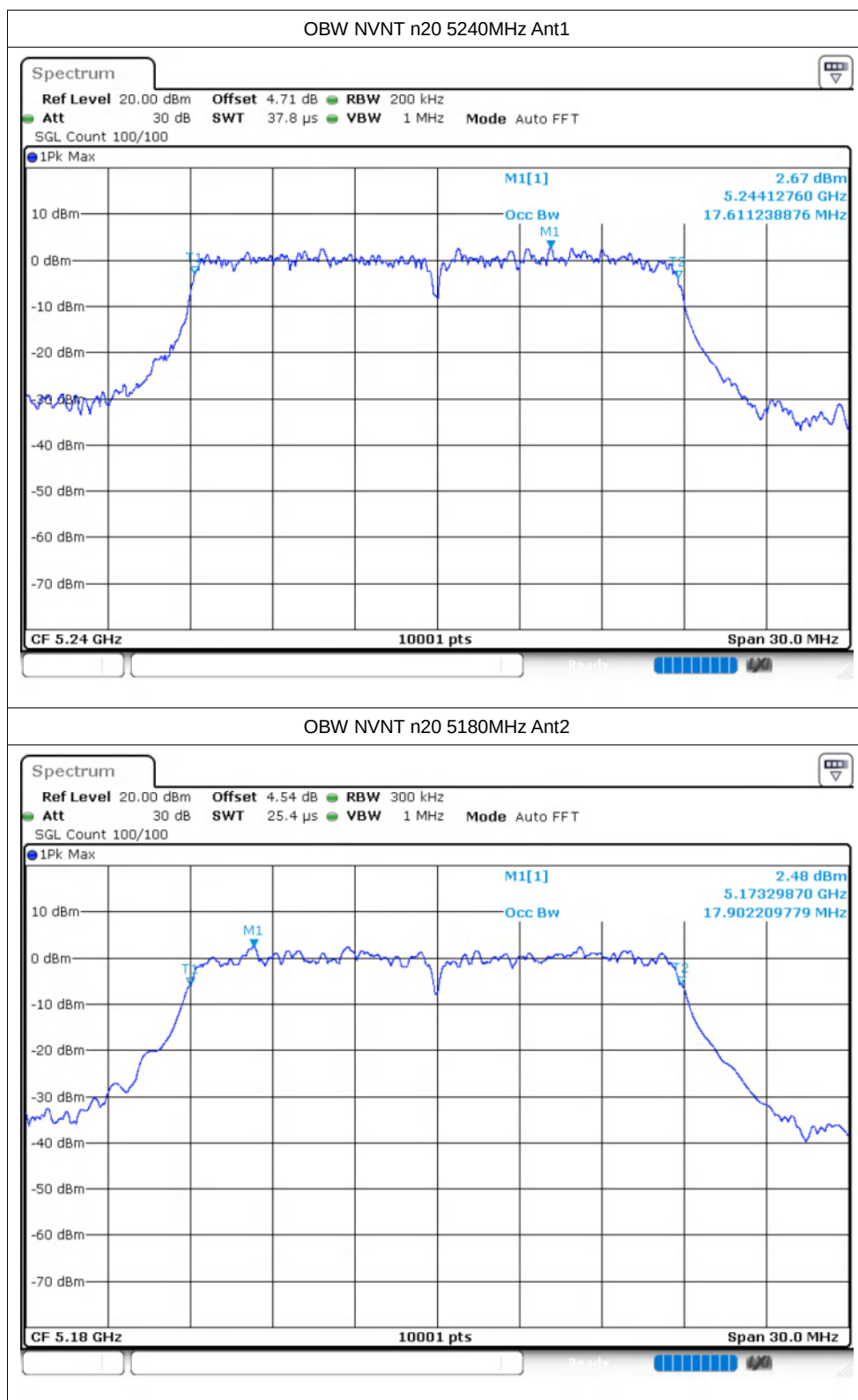
OBW NVNT a 5200MHz Ant1

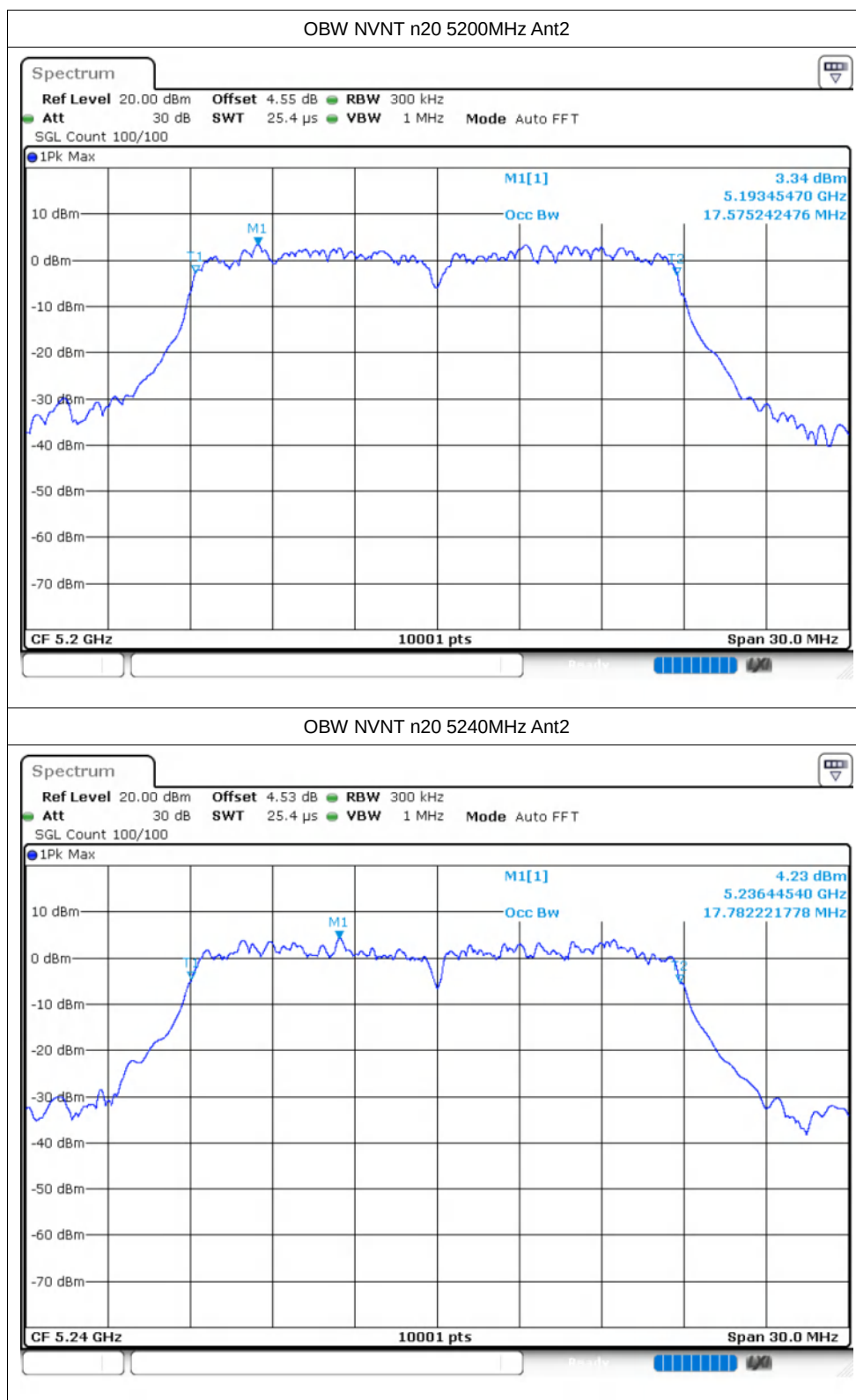


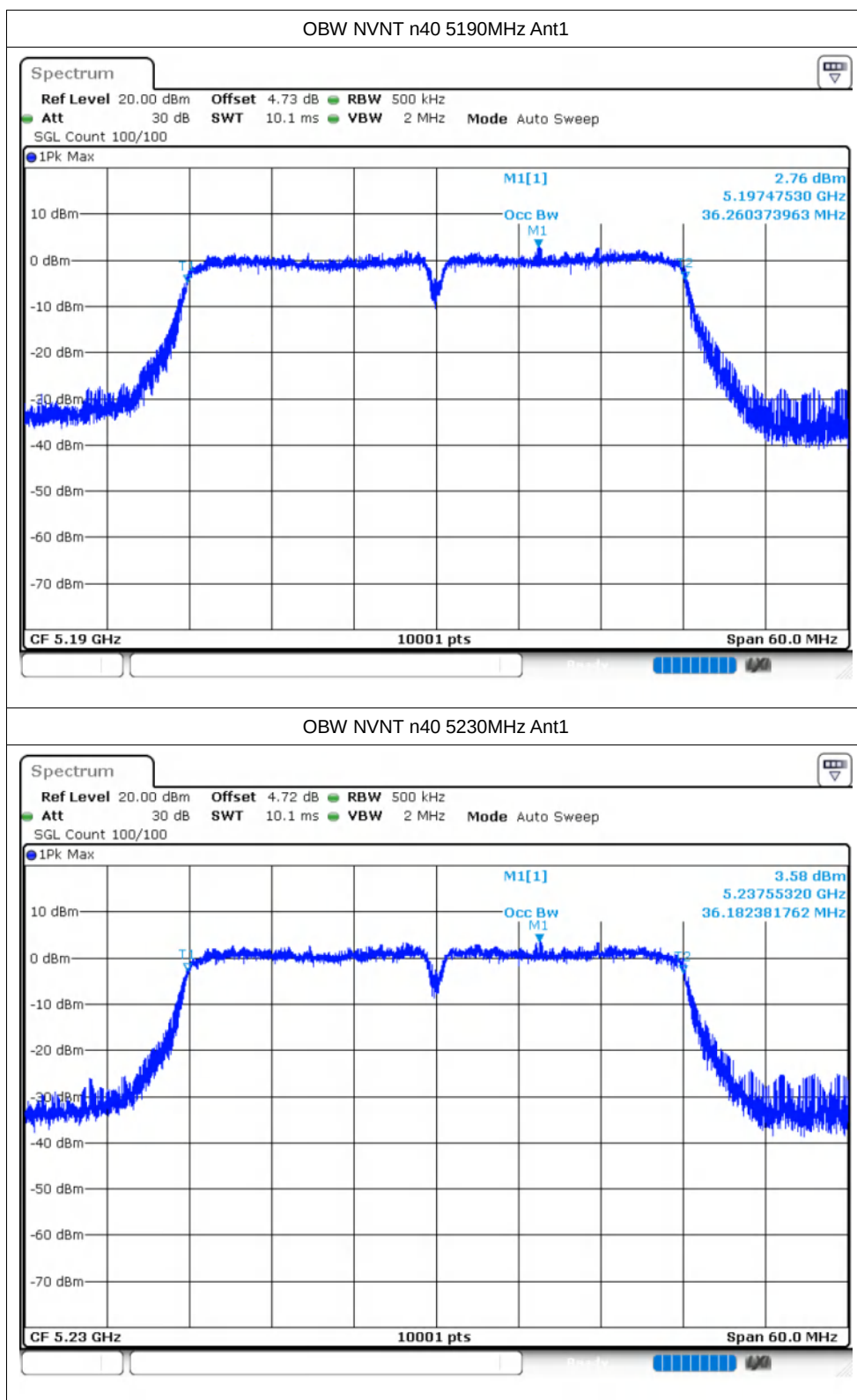


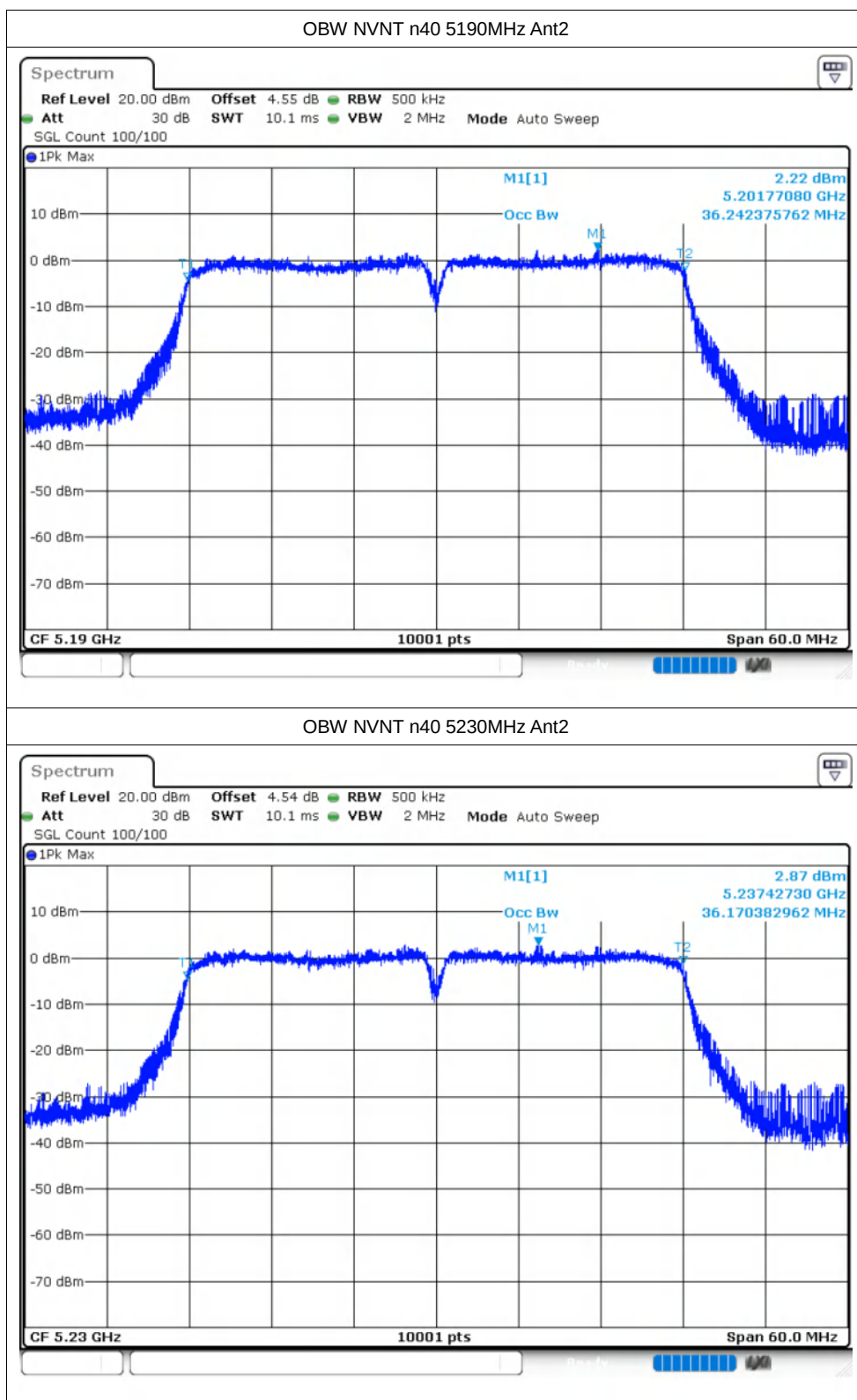


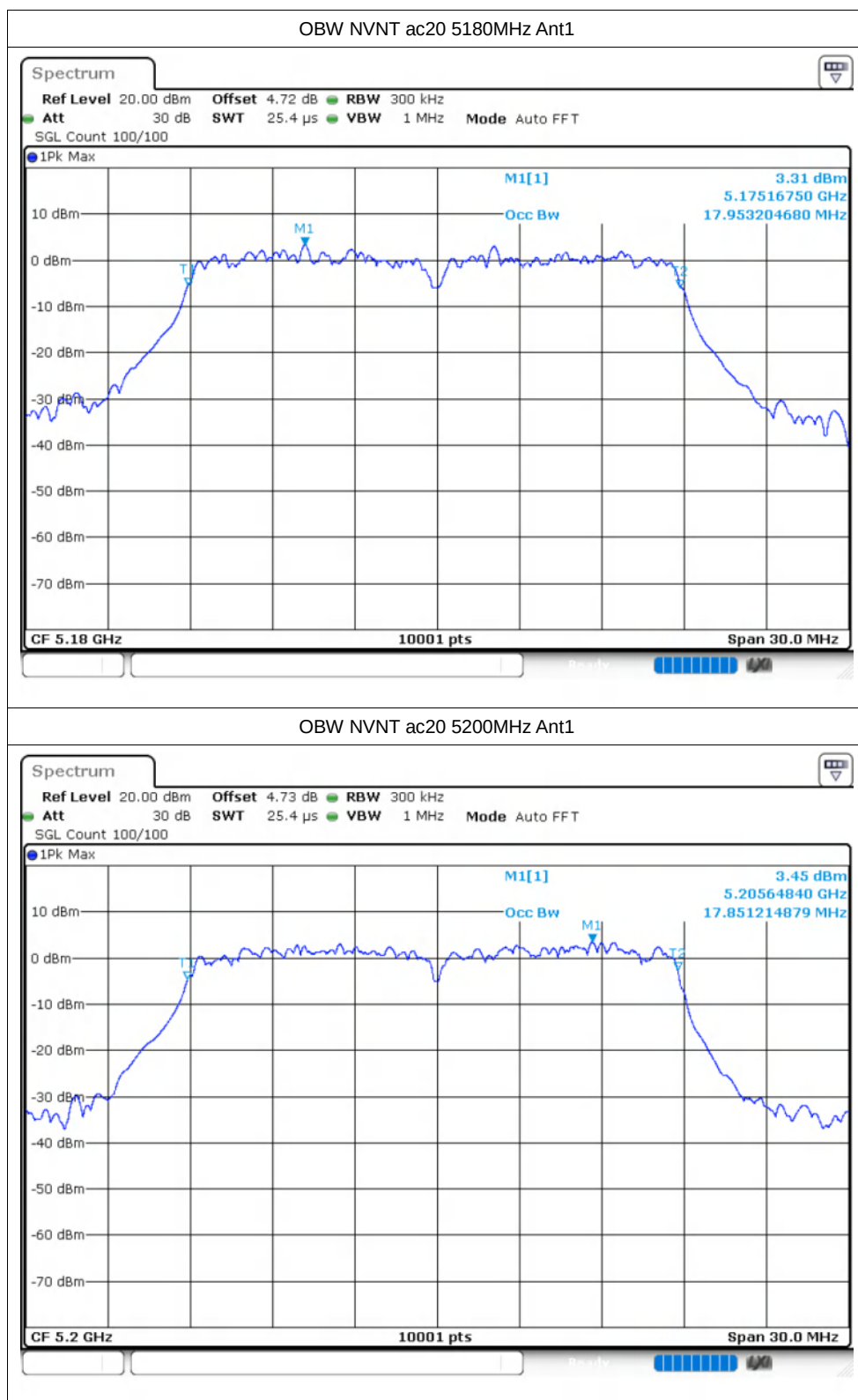


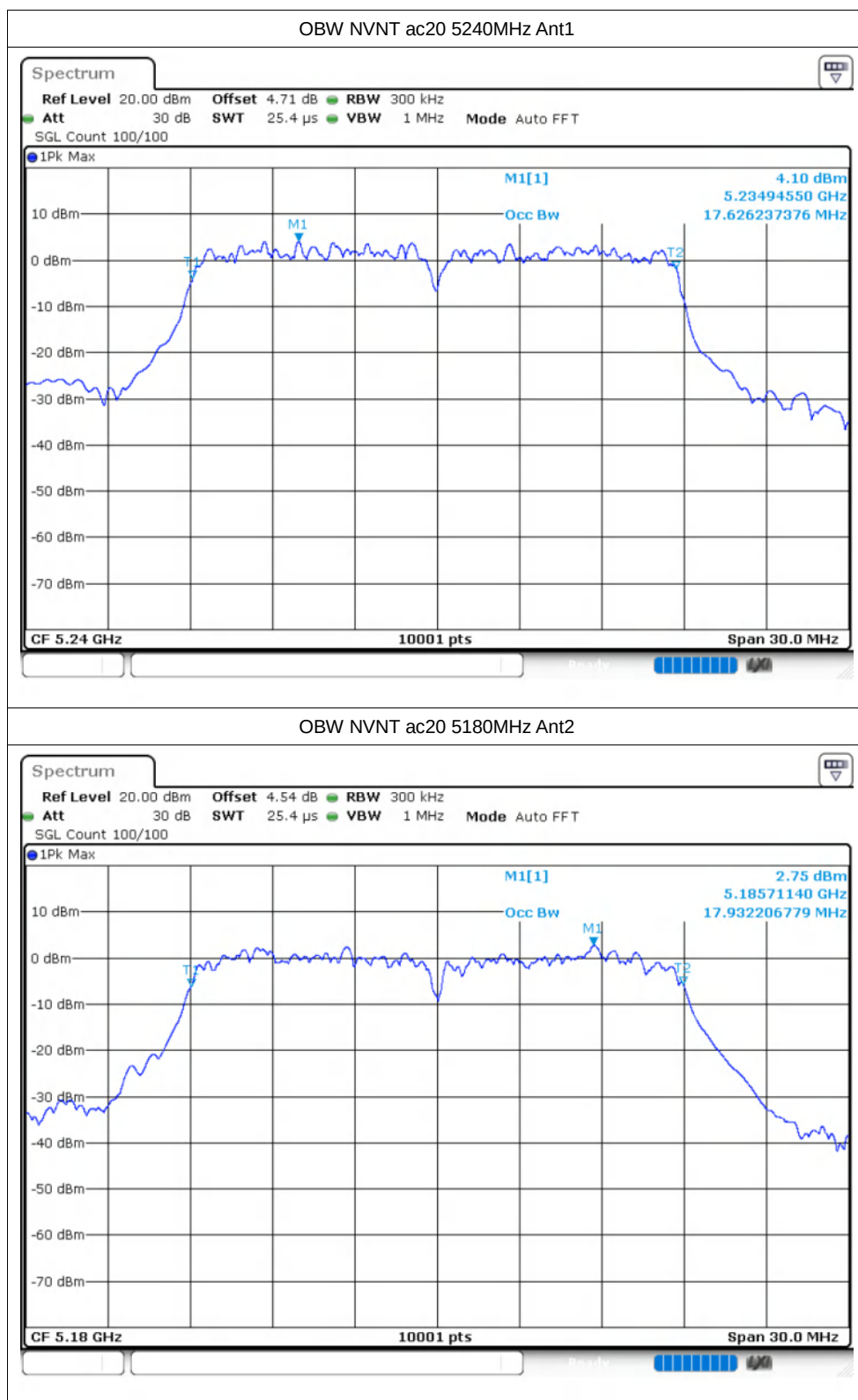


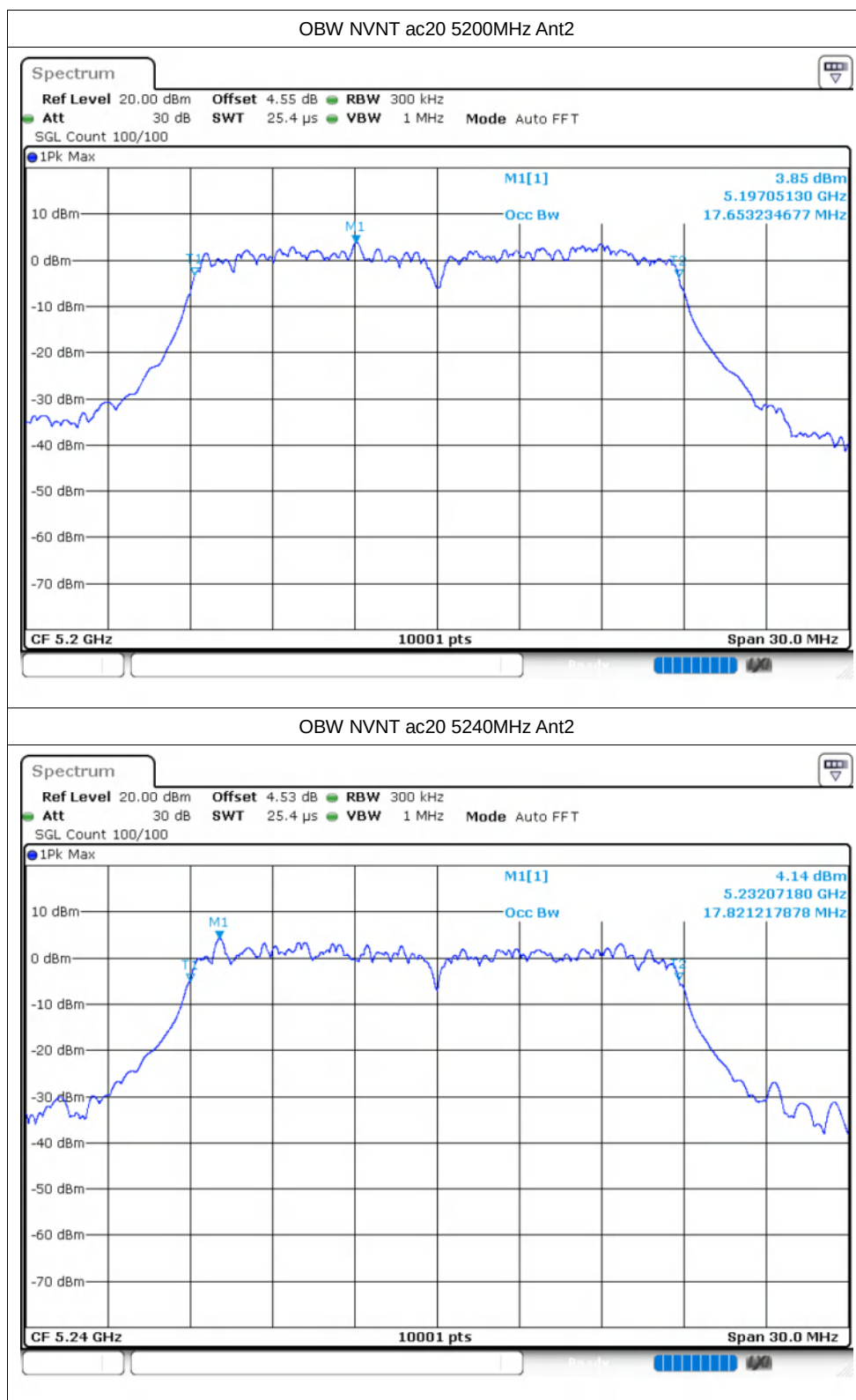


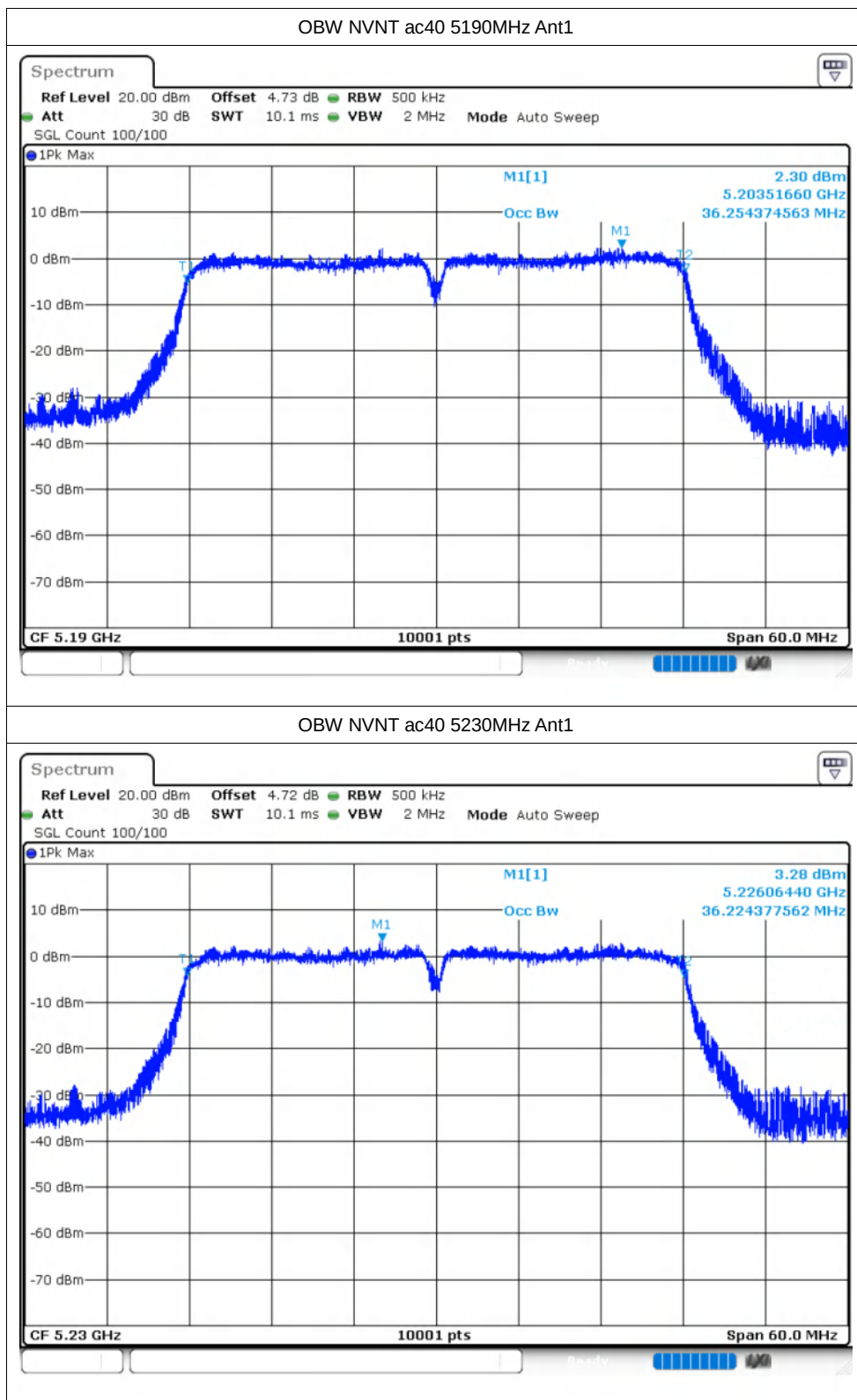


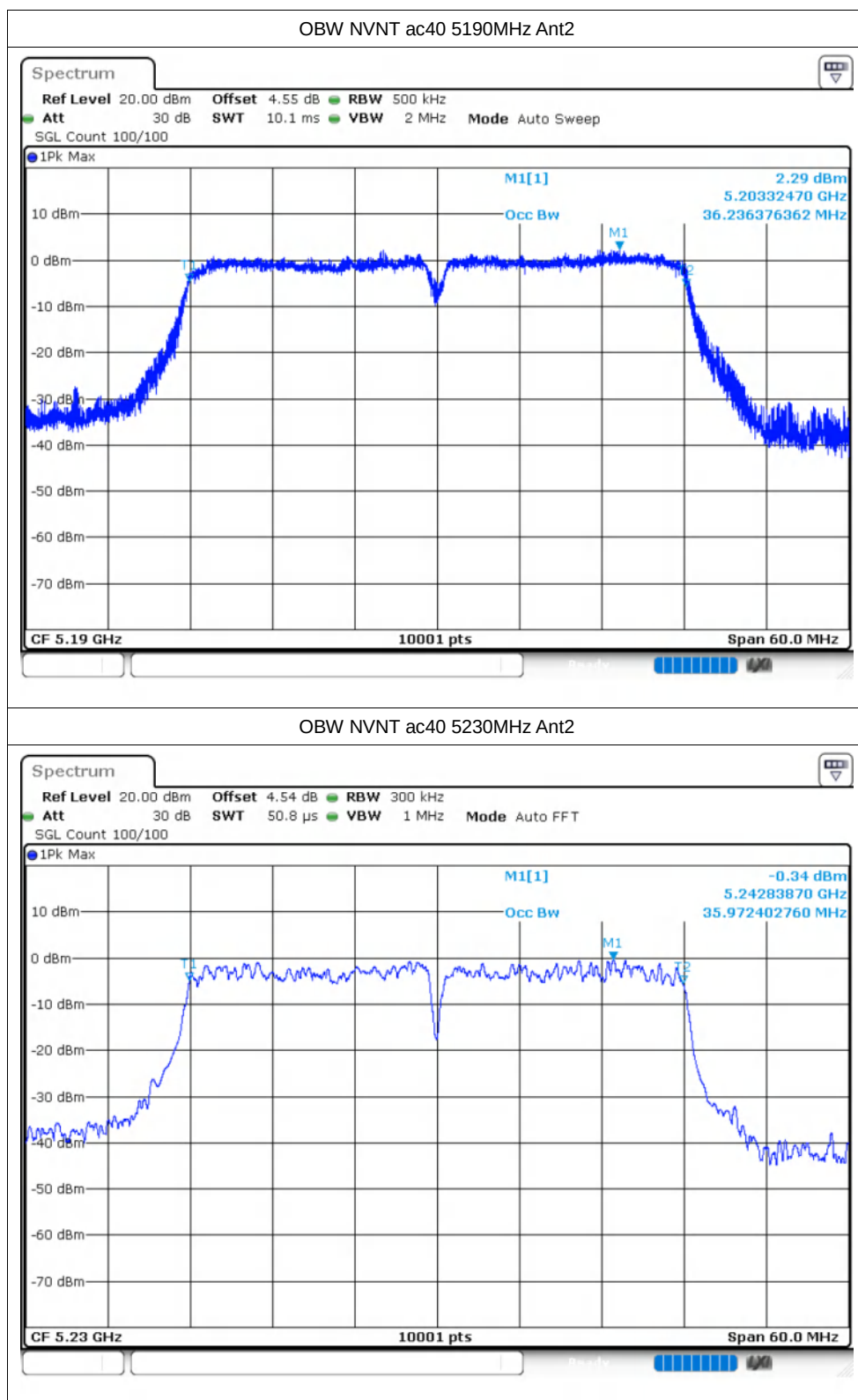


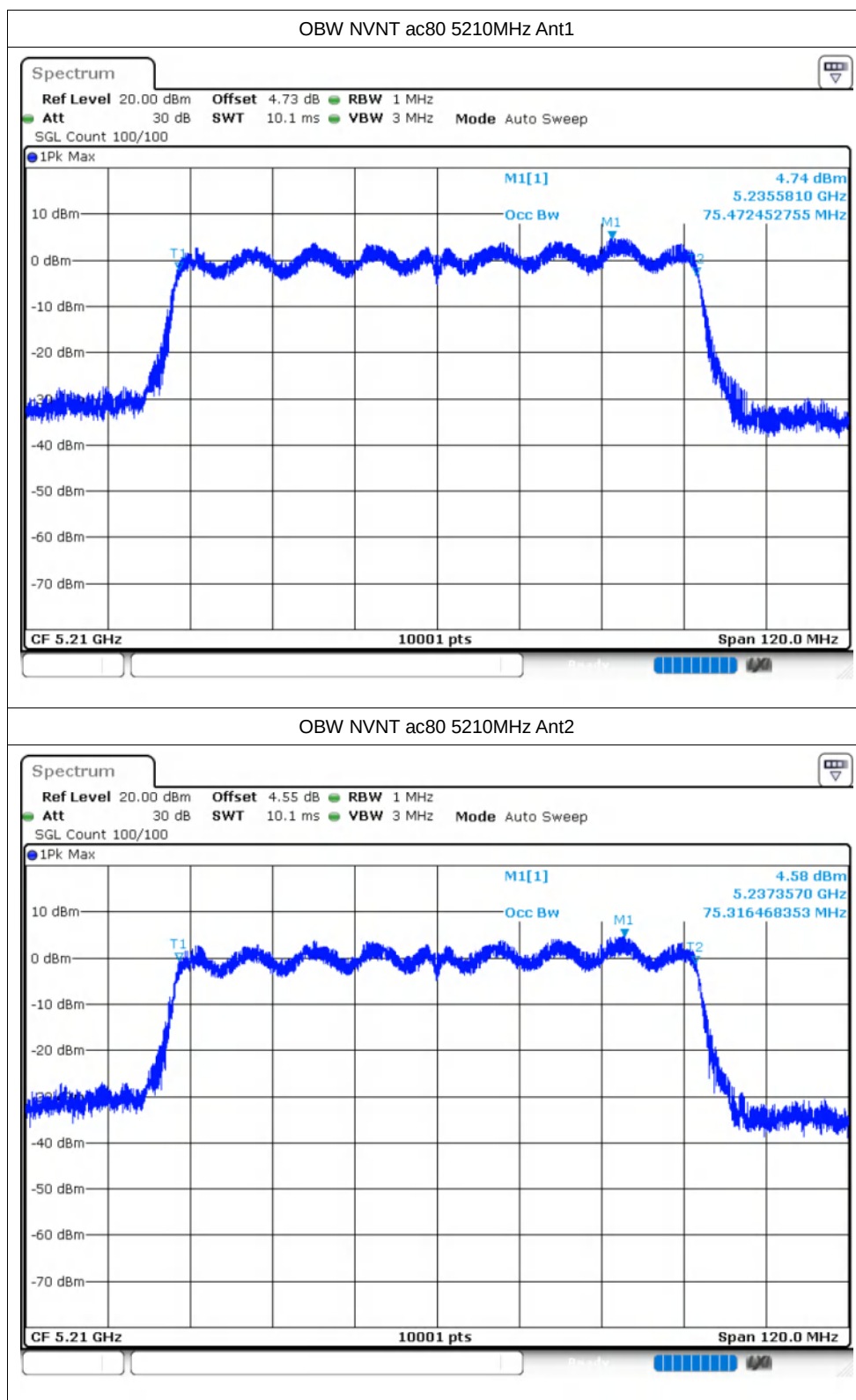










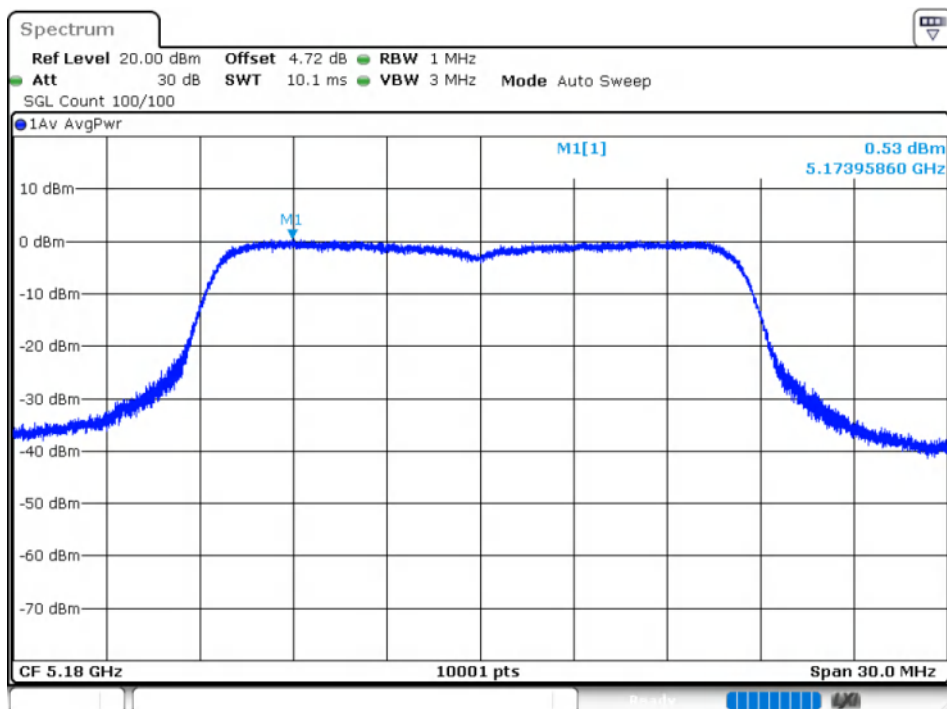


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.53	2.39	2.92	11	Pass
NVNT	a	5200	Ant1	1.2	2.38	3.58	11	Pass
NVNT	a	5240	Ant1	1	2.35	3.35	11	Pass
NVNT	a	5180	Ant2	-0.37	2.37	2	11	Pass
NVNT	a	5200	Ant2	0.52	2.39	2.91	11	Pass
NVNT	a	5240	Ant2	0.69	2.34	3.03	11	Pass
NVNT	n20	5180	Ant1	-1.07	2.5	1.43	11	Pass
NVNT	n20	5200	Ant1	-0.03	2.5	2.47	11	Pass
NVNT	n20	5240	Ant1	0.19	2.49	2.68	11	Pass
NVNT	n20	5180	Ant2	-0.98	2.49	1.51	11	Pass
NVNT	n20	5200	Ant2	-0.35	2.48	2.13	11	Pass
NVNT	n20	5240	Ant2	0.08	2.49	2.57	11	Pass
NVNT	n40	5190	Ant1	-5.92	4.07	-1.85	11	Pass
NVNT	n40	5230	Ant1	-5.56	4.05	-1.51	11	Pass
NVNT	n40	5190	Ant2	-5.85	4.04	-1.81	11	Pass
NVNT	n40	5230	Ant2	-5.48	4.06	-1.42	11	Pass
NVNT	ac20	5180	Ant1	-0.55	2.48	1.93	11	Pass
NVNT	ac20	5200	Ant1	0.24	2.47	2.71	11	Pass
NVNT	ac20	5240	Ant1	0.33	2.49	2.82	11	Pass
NVNT	ac20	5180	Ant2	-1.33	2.47	1.14	11	Pass
NVNT	ac20	5200	Ant2	-0.59	2.5	1.91	11	Pass
NVNT	ac20	5240	Ant2	-0.39	2.49	2.1	11	Pass
NVNT	ac40	5190	Ant1	-5.62	4.05	-1.57	11	Pass
NVNT	ac40	5230	Ant1	-5.4	4.04	-1.36	11	Pass
NVNT	ac40	5190	Ant2	-5.88	4.04	-1.84	11	Pass
NVNT	ac40	5230	Ant2	-5.04	4.04	-1	11	Pass
NVNT	ac80	5210	Ant1	-8.9	6.09	-2.81	11	Pass
NVNT	ac80	5210	Ant2	-9.4	6.04	-3.36	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1

