

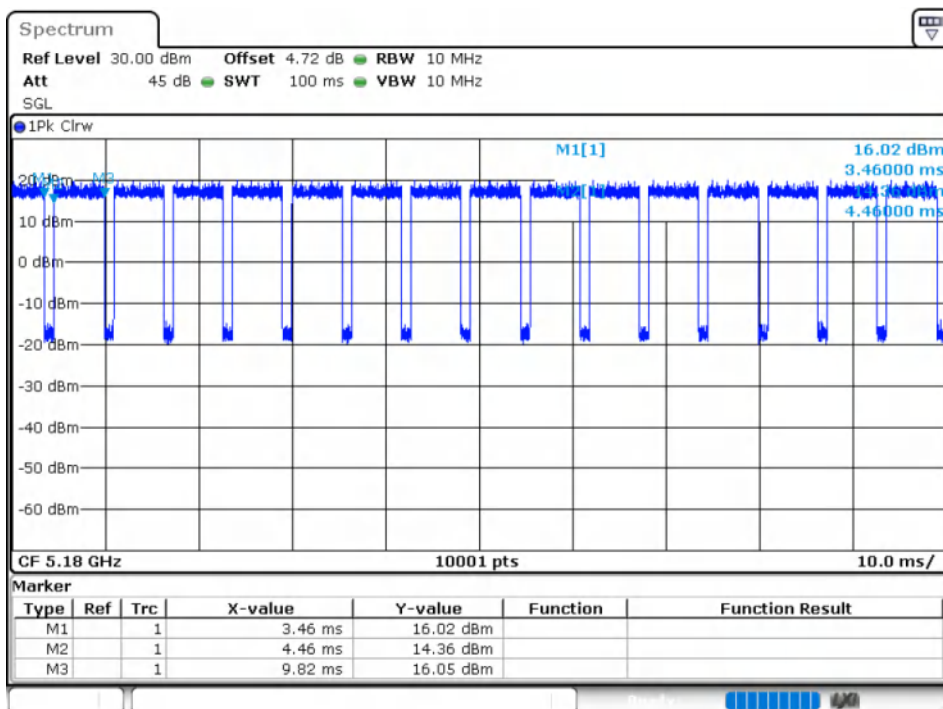
WIFI 5.2G:

Duty Cycle

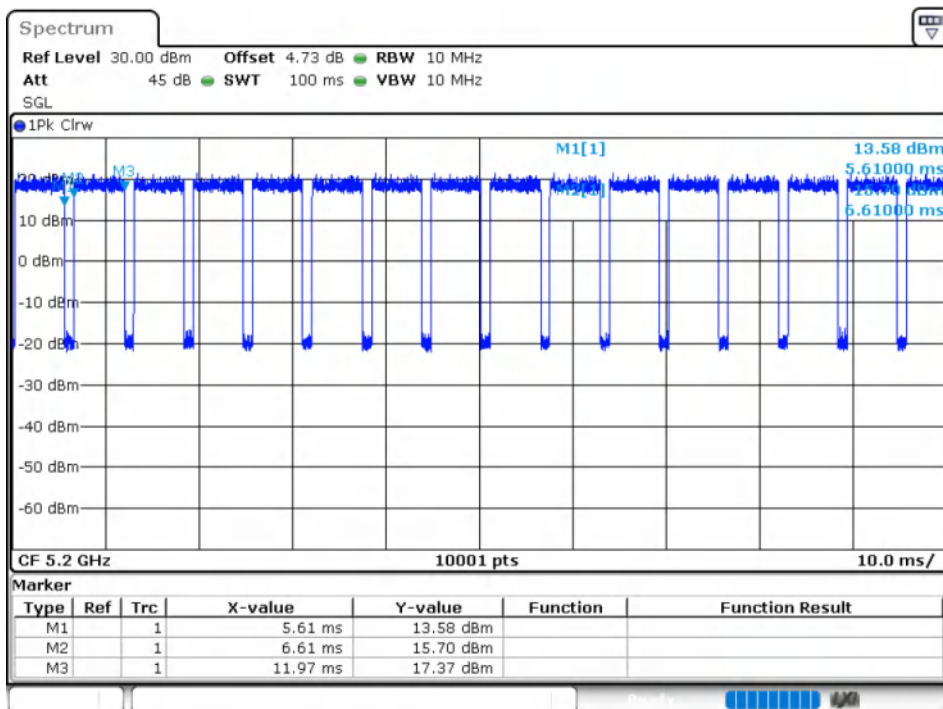
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	84.09	0.75	0.19
NVNT	a	5200	Ant1	84.83	0.71	0.19
NVNT	a	5240	Ant1	84.55	0.73	0.19
NVNT	a	5180	Ant2	85.08	0.7	0.19
NVNT	a	5200	Ant2	84.11	0.75	0.19
NVNT	a	5240	Ant2	84.7	0.72	0.19
NVNT	n20	5180	Ant1	83.08	0.8	0.2
NVNT	n20	5200	Ant1	83.1	0.8	0.2
NVNT	n20	5240	Ant1	83.34	0.79	0.2
NVNT	n20	5180	Ant2	83.11	0.8	0.2
NVNT	n20	5200	Ant2	83.6	0.78	0.2
NVNT	n20	5240	Ant2	83.28	0.79	0.2
NVNT	n40	5190	Ant1	70.51	1.52	0.42
NVNT	n40	5230	Ant1	70.23	1.53	0.41
NVNT	n40	5190	Ant2	70.33	1.53	0.41
NVNT	n40	5230	Ant2	71.2	1.48	0.41
NVNT	ac20	5180	Ant1	83.11	0.8	0.2
NVNT	ac20	5200	Ant1	83.1	0.8	0.2
NVNT	ac20	5240	Ant1	84.08	0.75	0.2
NVNT	ac20	5180	Ant2	83.11	0.8	0.2
NVNT	ac20	5200	Ant2	83.12	0.8	0.2
NVNT	ac20	5240	Ant2	83.12	0.8	0.2
NVNT	ac40	5190	Ant1	70.69	1.51	0.41
NVNT	ac40	5230	Ant1	71.1	1.48	0.41
NVNT	ac40	5190	Ant2	70.87	1.5	0.41
NVNT	ac40	5230	Ant2	70.26	1.53	0.41
NVNT	ac80	5210	Ant1	53.81	2.69	0.88
NVNT	ac80	5210	Ant2	53.76	2.7	0.88

Test Graphs

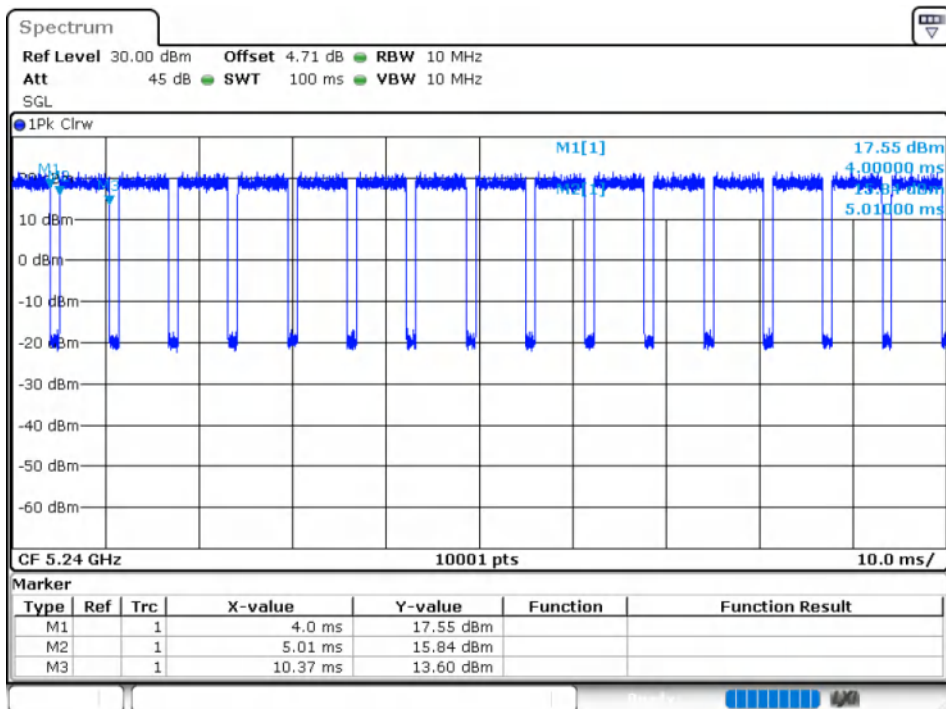
Duty Cycle NVNT a 5180MHz Ant1



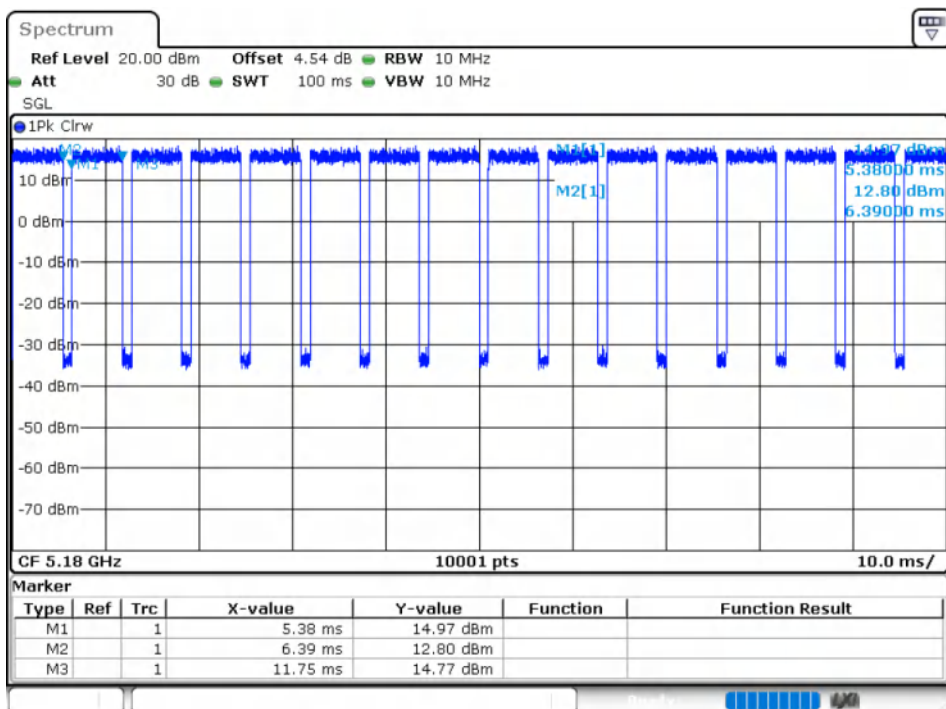
Duty Cycle NVNT a 5200MHz Ant1



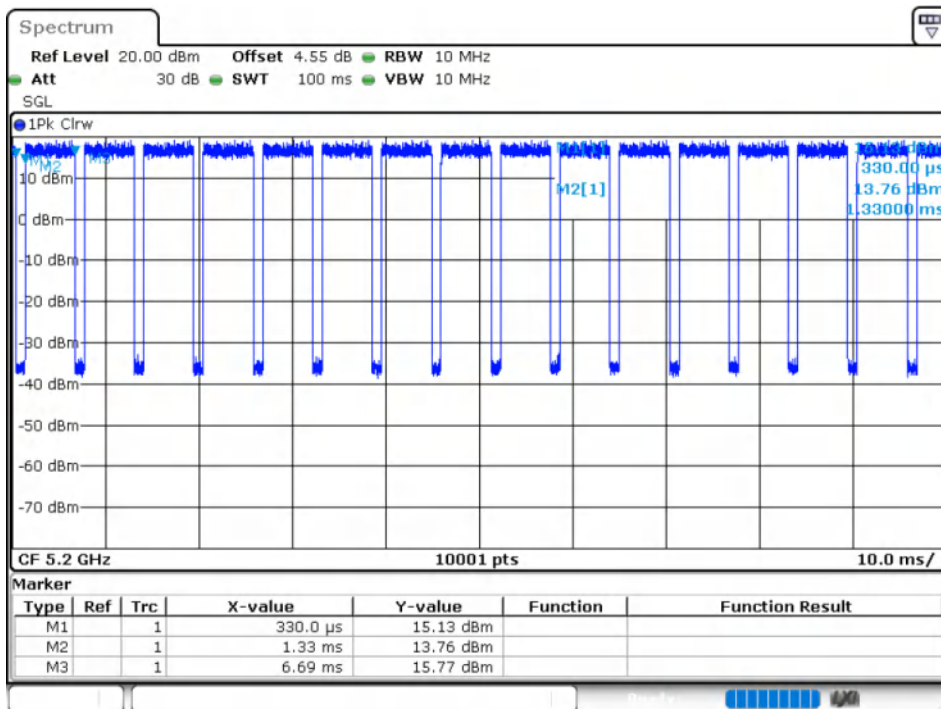
Duty Cycle NVNT a 5240MHz Ant1



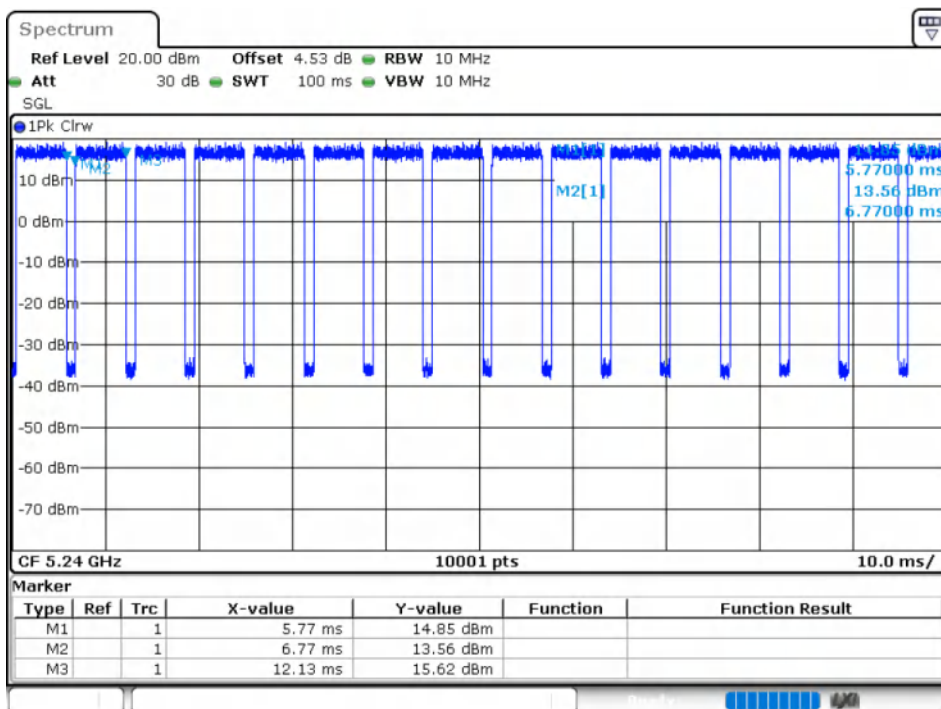
Duty Cycle NVNT a 5180MHz Ant2

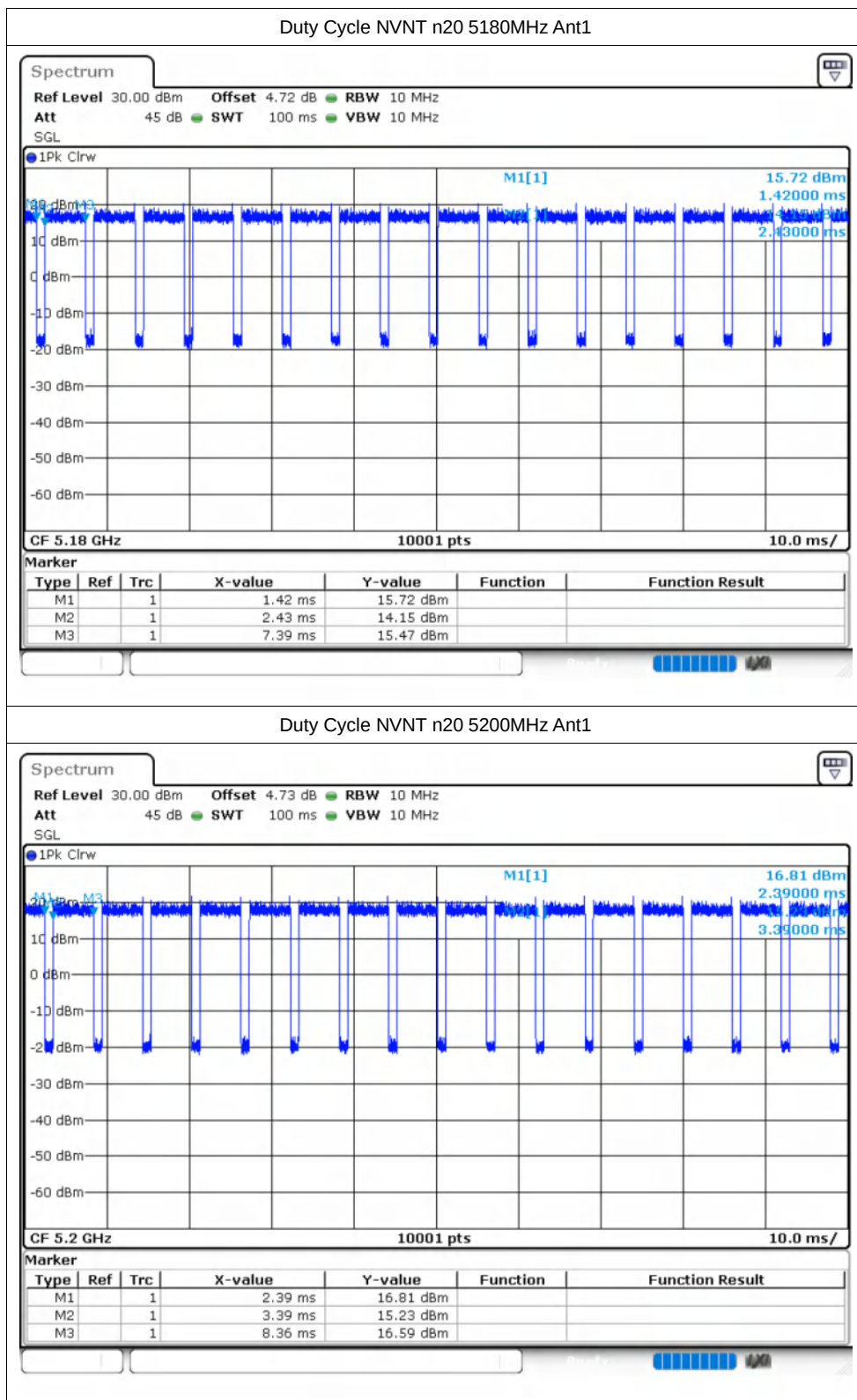


Duty Cycle NVNT a 5200MHz Ant2

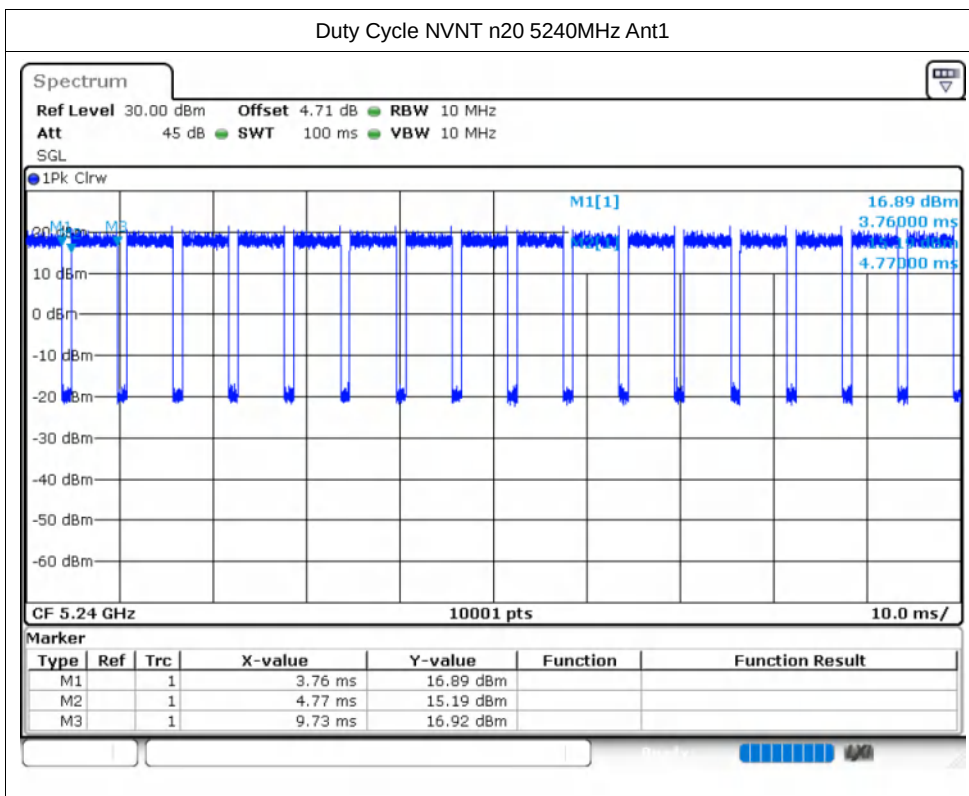


Duty Cycle NVNT a 5240MHz Ant2

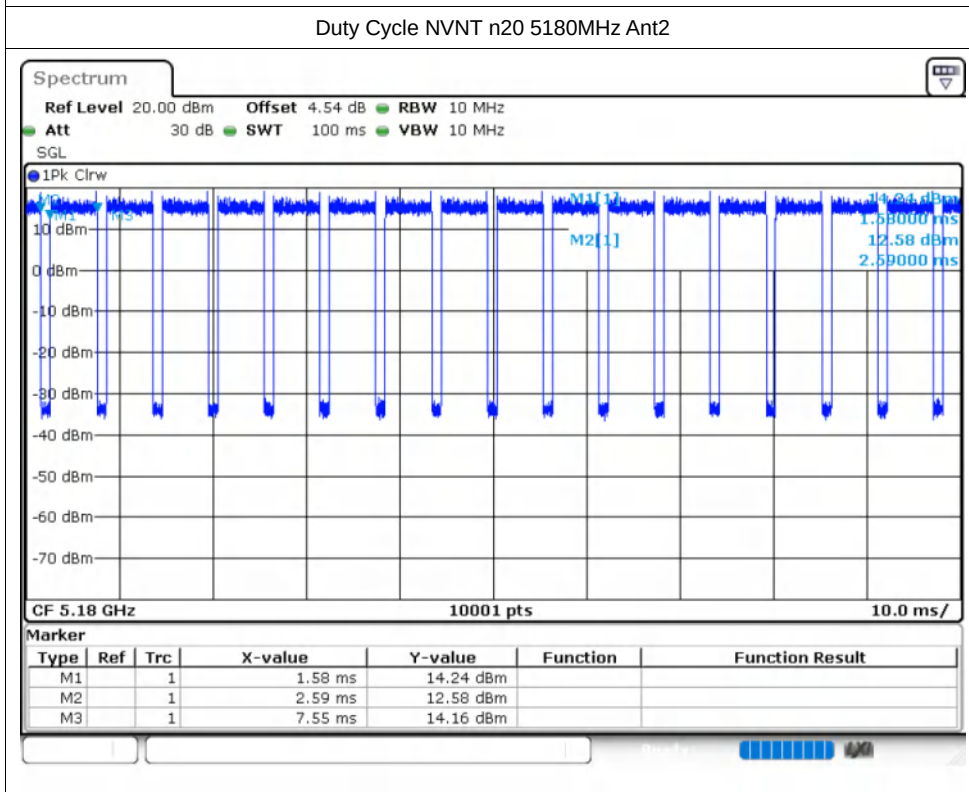


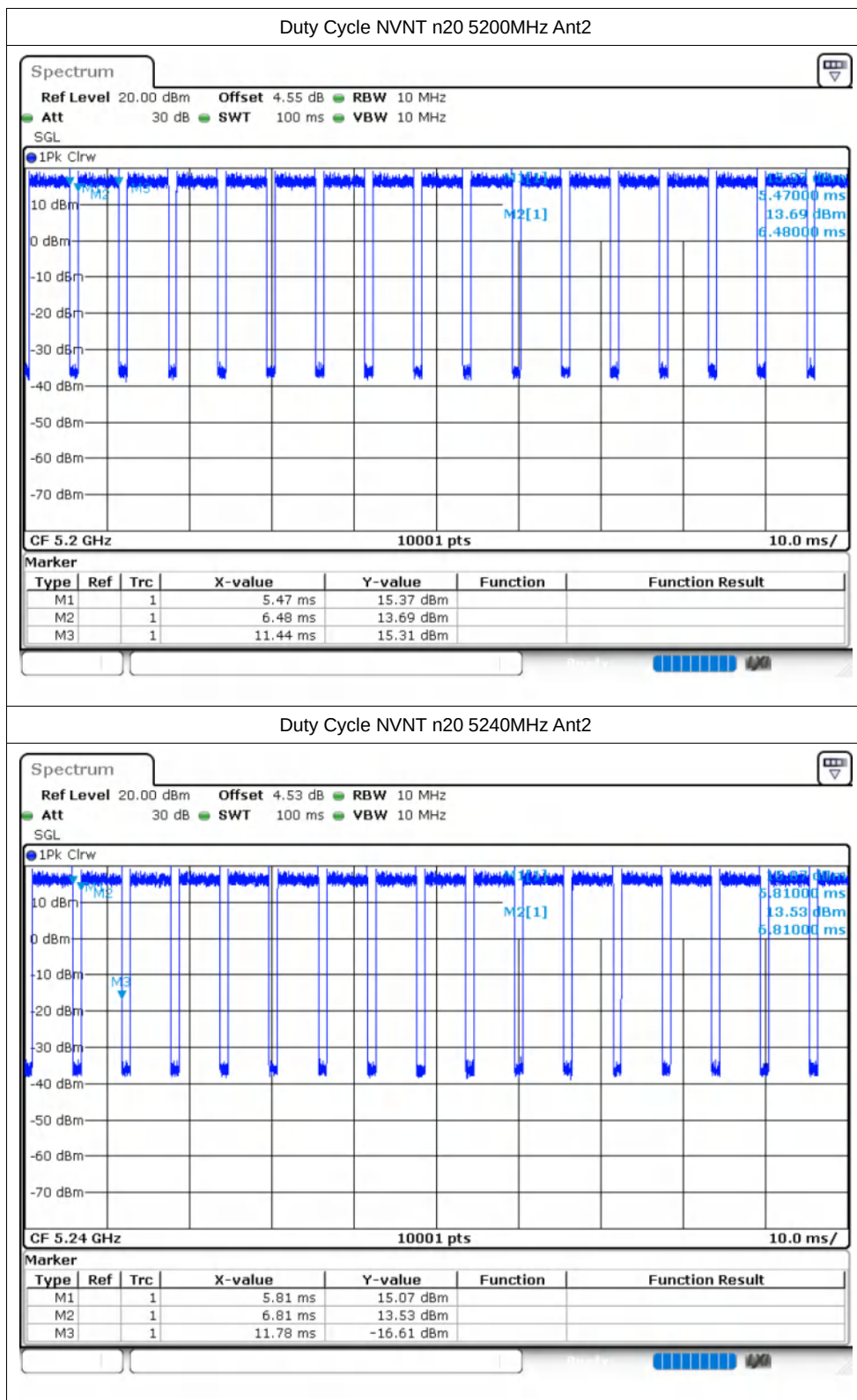


Duty Cycle NVNT n20 5240MHz Ant1

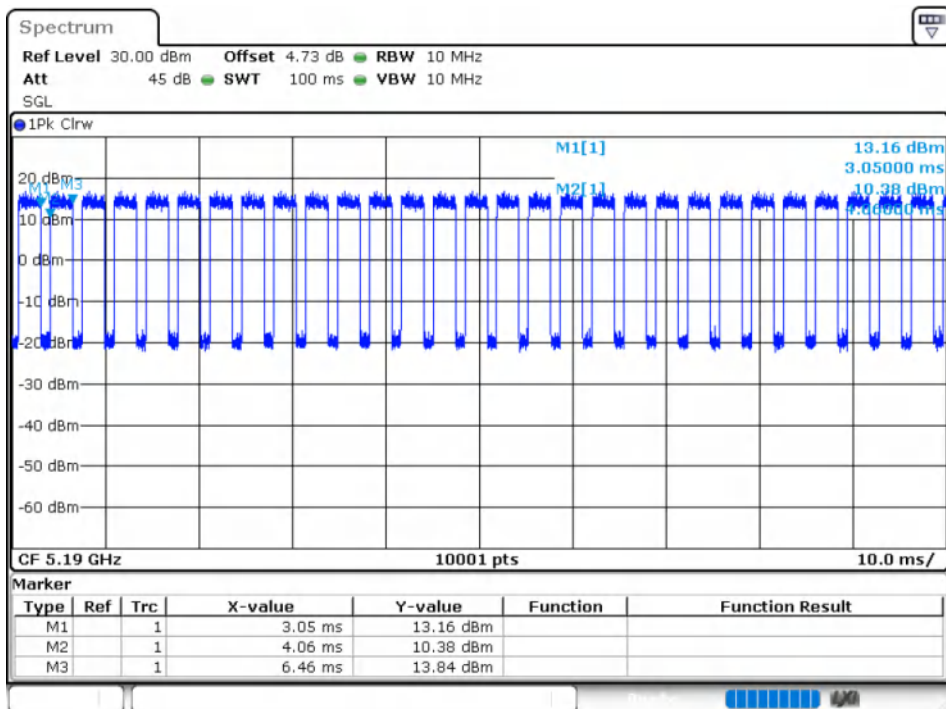


Duty Cycle NVNT n20 5180MHz Ant2

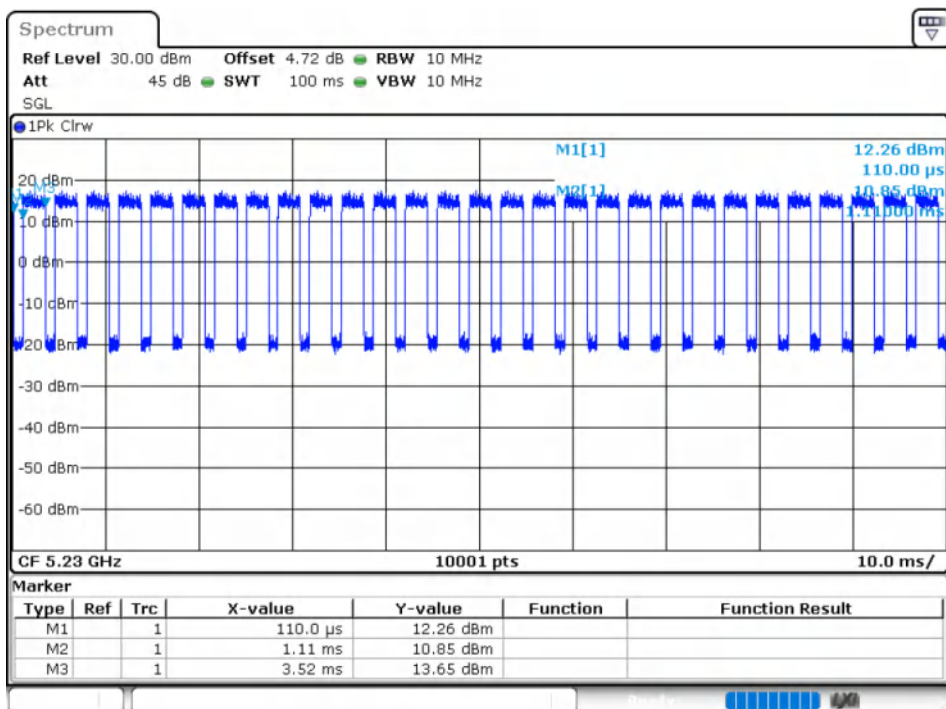


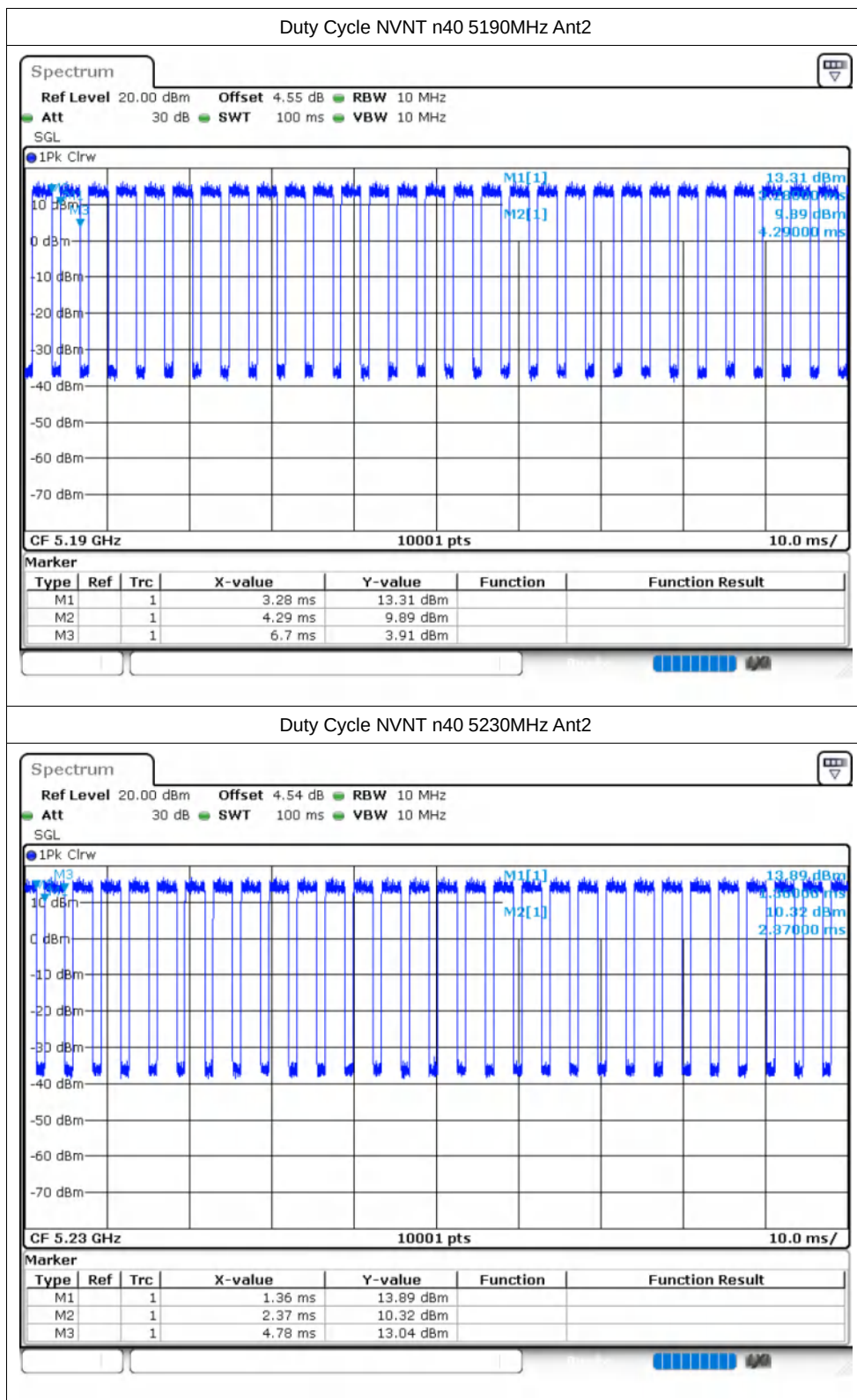


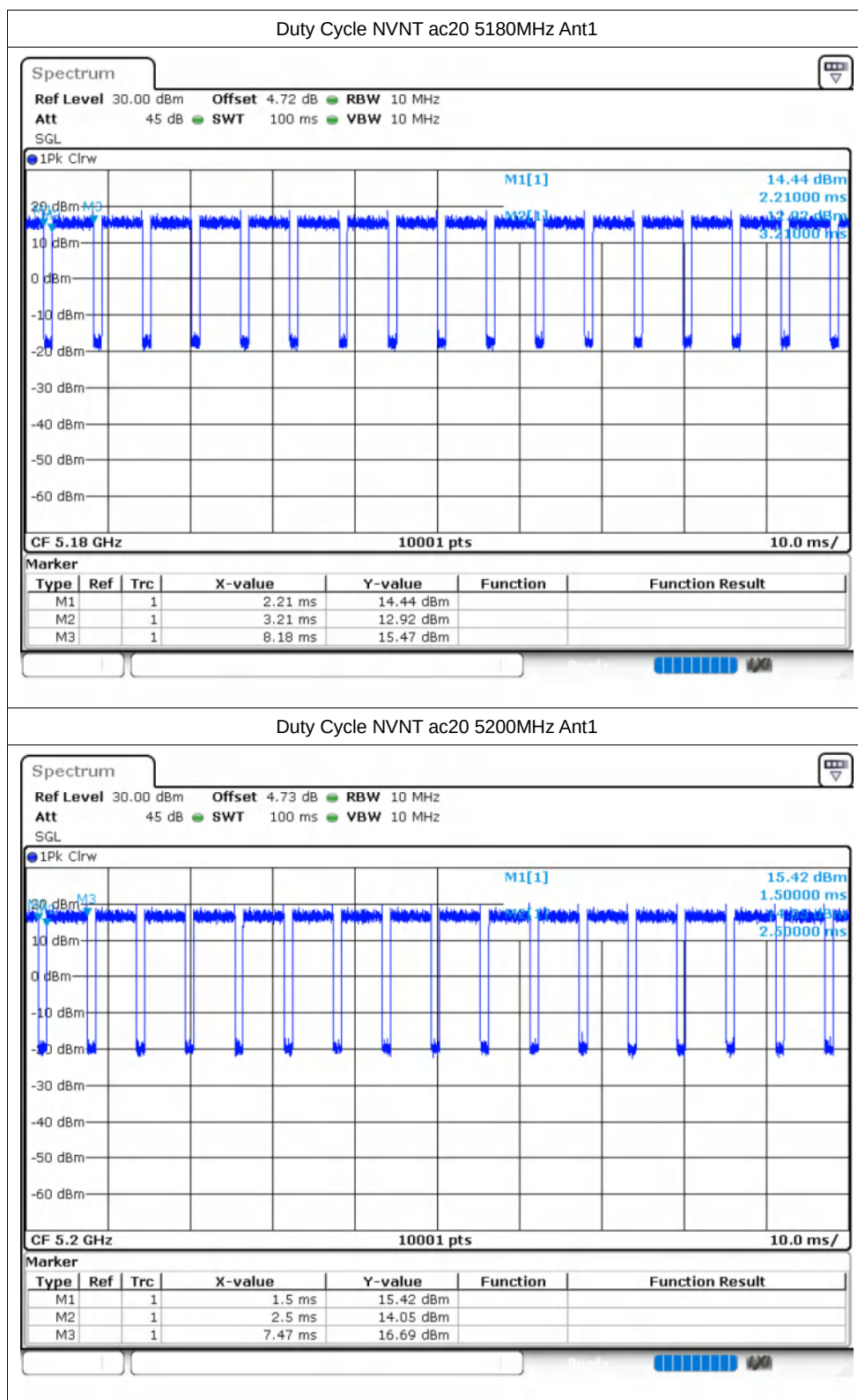
Duty Cycle NVNT n40 5190MHz Ant1



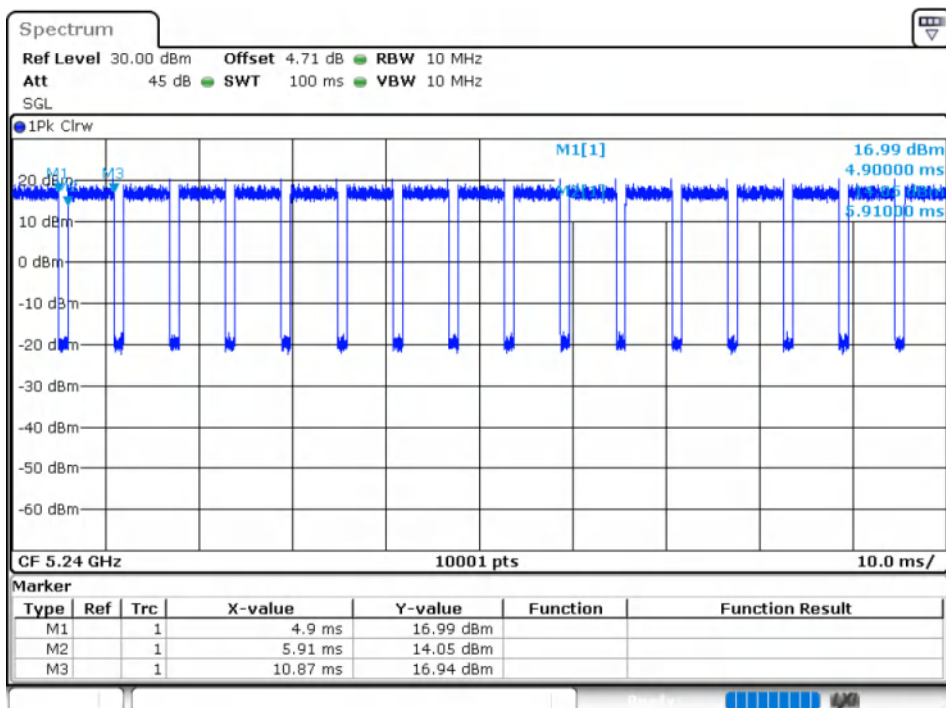
Duty Cycle NVNT n40 5230MHz Ant1



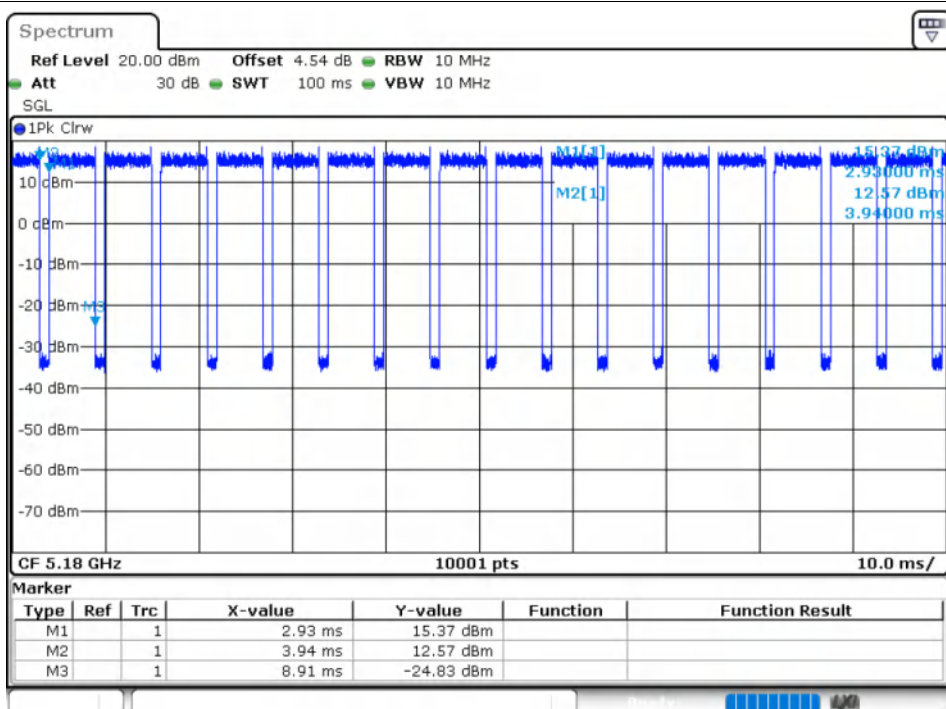


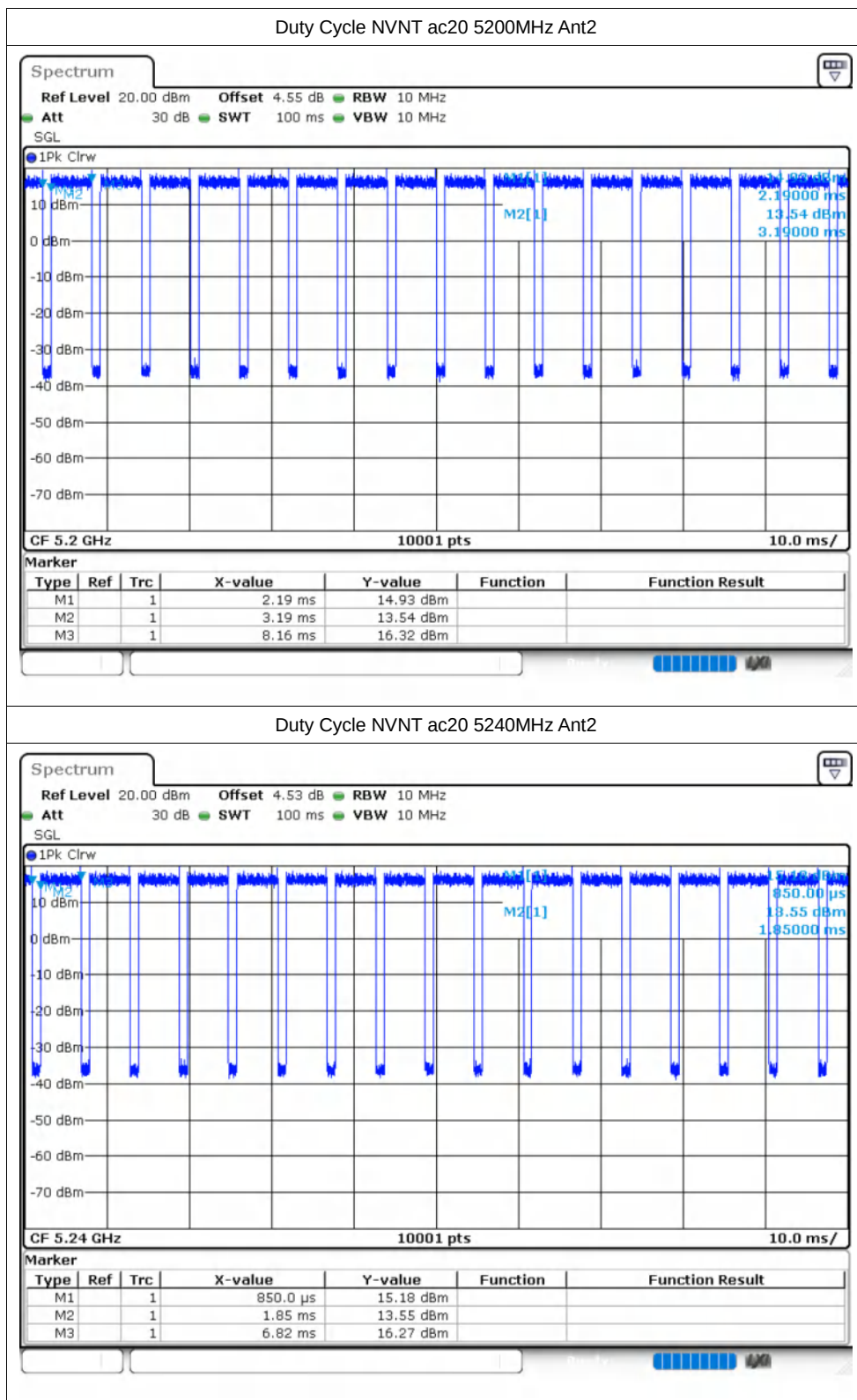


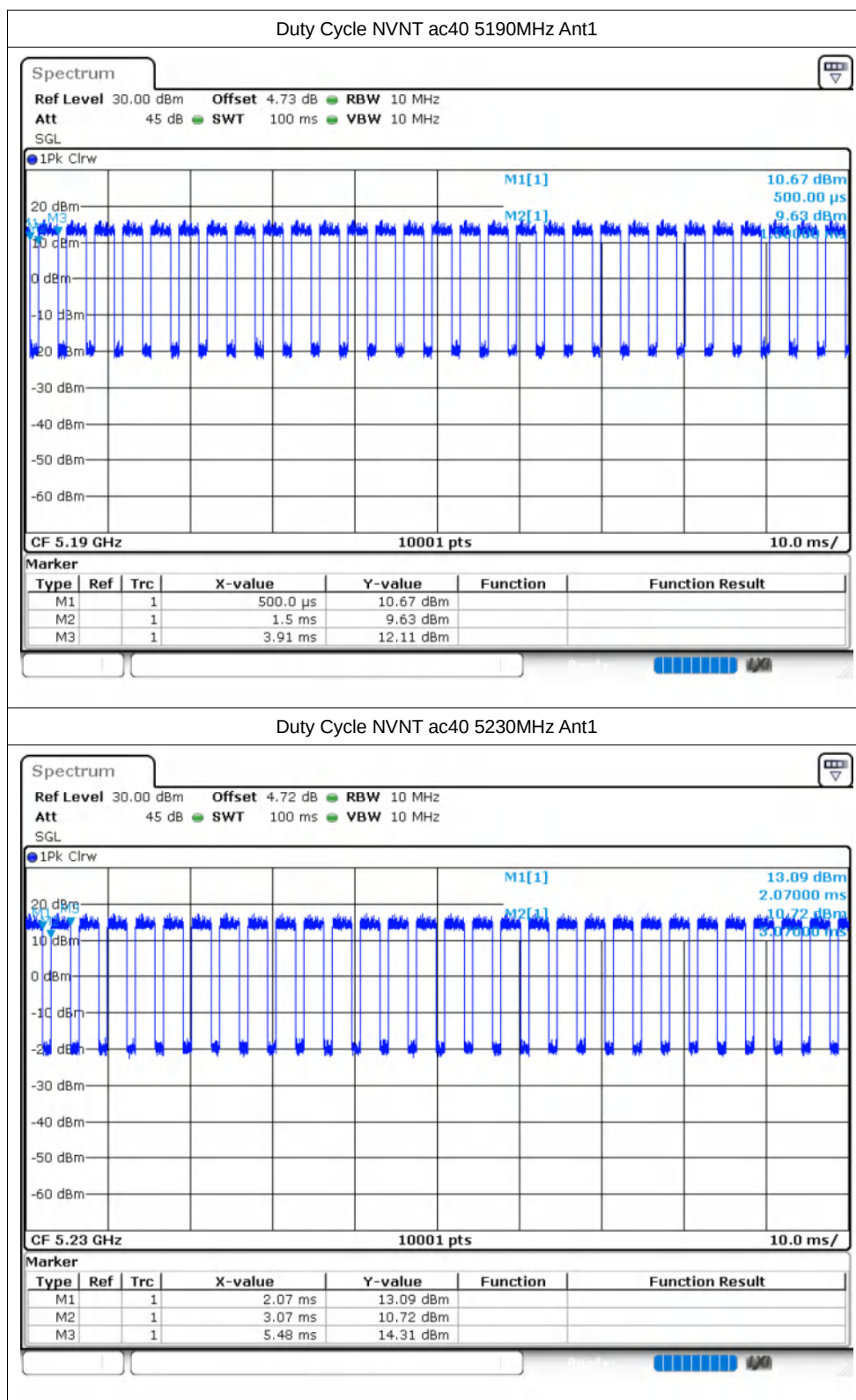
Duty Cycle NVNT ac20 5240MHz Ant1

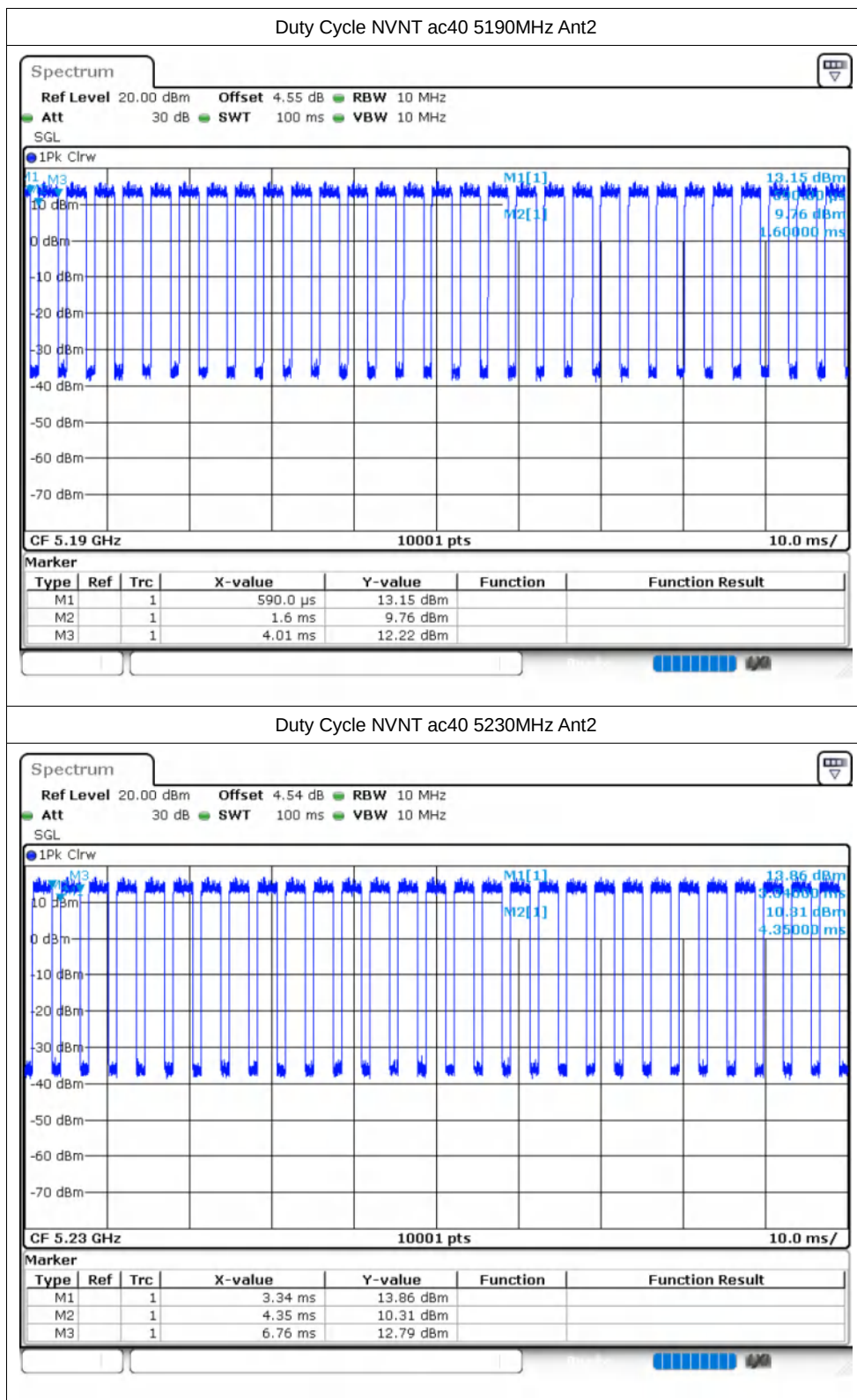


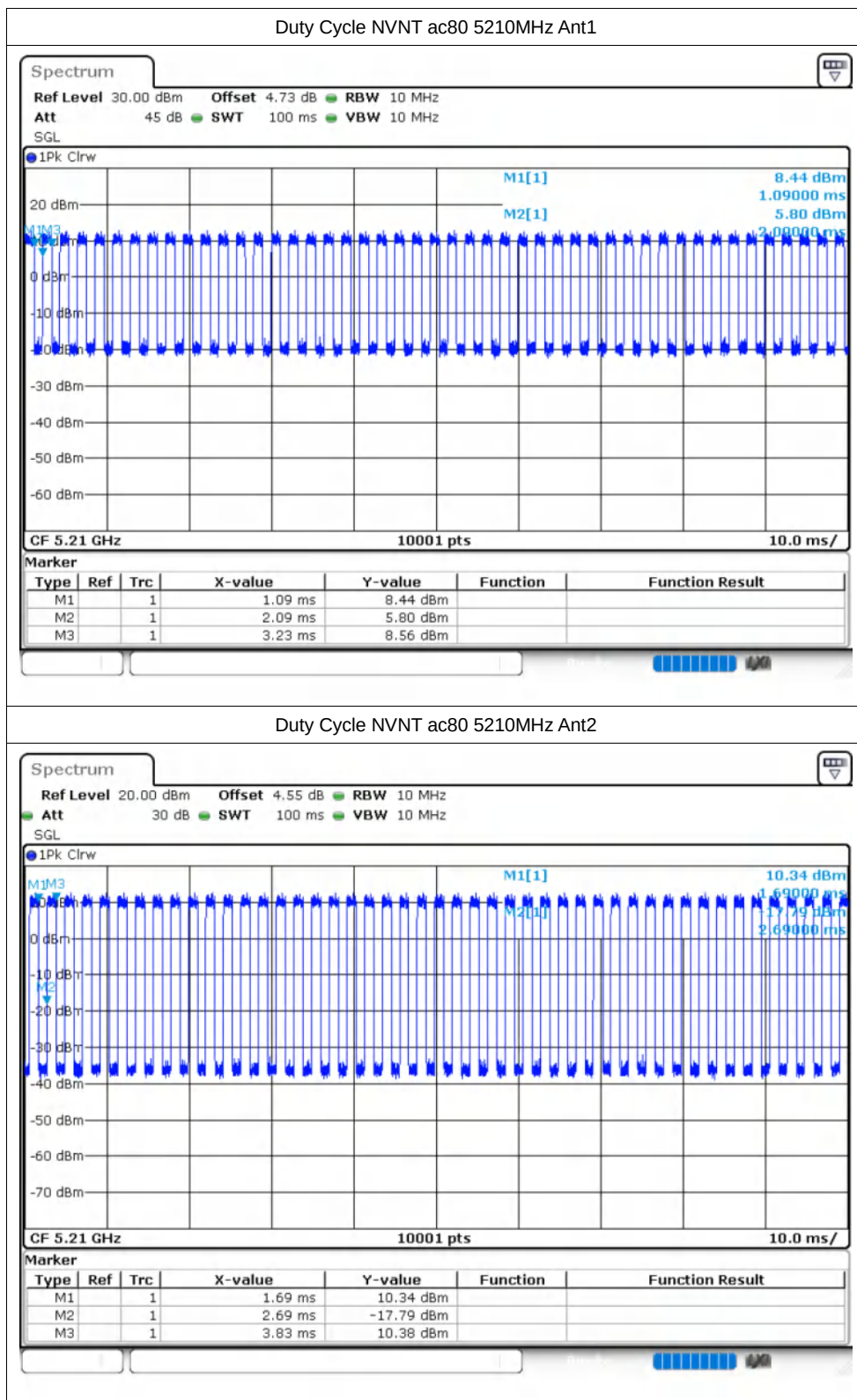
Duty Cycle NVNT ac20 5180MHz Ant2











Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.32	24	Pass
NVNT	a	5200	Ant1	13.28	24	Pass
NVNT	a	5240	Ant1	13.81	24	Pass
NVNT	a	5180	Ant2	12.51	24	Pass
NVNT	a	5200	Ant2	12.71	24	Pass
NVNT	a	5240	Ant2	12.95	24	Pass
NVNT	n20	5180	Ant1	13	24	Pass
NVNT	n20	5200	Ant1	12.7	24	Pass
NVNT	n20	5240	Ant1	12.89	24	Pass
NVNT	n20	5180	Ant2	12.39	24	Pass
NVNT	n20	5200	Ant2	12.65	24	Pass
NVNT	n20	5240	Ant2	12.94	24	Pass
NVNT	n40	5190	Ant1	12.32	24	Pass
NVNT	n40	5230	Ant1	12.7	24	Pass
NVNT	n40	5190	Ant2	12.92	24	Pass
NVNT	n40	5230	Ant2	13.37	24	Pass
NVNT	ac20	5180	Ant1	11.41	24	Pass
NVNT	ac20	5200	Ant1	11.53	24	Pass
NVNT	ac20	5240	Ant1	12.07	24	Pass
NVNT	ac20	5180	Ant2	12.33	24	Pass
NVNT	ac20	5200	Ant2	12.52	24	Pass
NVNT	ac20	5240	Ant2	12.89	24	Pass
NVNT	ac40	5190	Ant1	11.93	24	Pass
NVNT	ac40	5230	Ant1	12.34	24	Pass
NVNT	ac40	5190	Ant2	12.89	24	Pass
NVNT	ac40	5230	Ant2	13.34	24	Pass
NVNT	ac80	5210	Ant1	12.6	24	Pass
NVNT	ac80	5210	Ant2	13.48	24	Pass

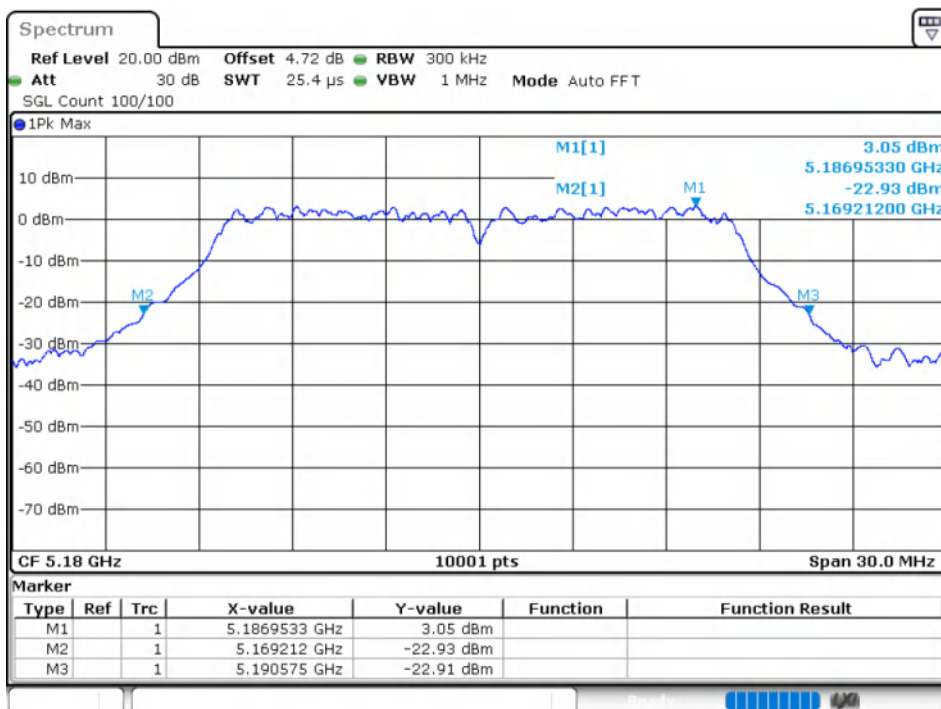
Note: The average power value already includes the duty cycle factor.

-26dB Bandwidth

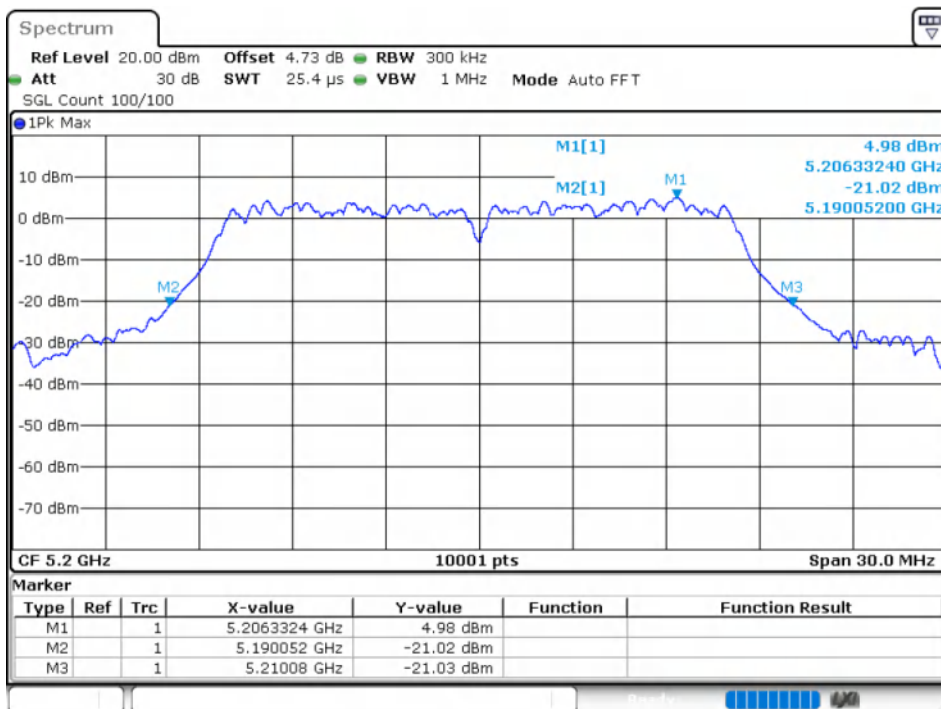
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	21.363	Pass
NVNT	a	5200	Ant1	20.028	Pass
NVNT	a	5240	Ant1	20.934	Pass
NVNT	a	5180	Ant2	21.453	Pass
NVNT	a	5200	Ant2	20.568	Pass
NVNT	a	5240	Ant2	20.823	Pass
NVNT	n20	5180	Ant1	21.288	Pass
NVNT	n20	5200	Ant1	22.068	Pass
NVNT	n20	5240	Ant1	20.946	Pass
NVNT	n20	5180	Ant2	20.574	Pass
NVNT	n20	5200	Ant2	21.048	Pass
NVNT	n20	5240	Ant2	21.414	Pass
NVNT	n40	5190	Ant1	42.54	Pass
NVNT	n40	5230	Ant1	42.72	Pass
NVNT	n40	5190	Ant2	41.94	Pass
NVNT	n40	5230	Ant2	42.78	Pass
NVNT	ac20	5180	Ant1	21.189	Pass
NVNT	ac20	5200	Ant1	20.535	Pass
NVNT	ac20	5240	Ant1	20.916	Pass
NVNT	ac20	5180	Ant2	21.249	Pass
NVNT	ac20	5200	Ant2	21.414	Pass
NVNT	ac20	5240	Ant2	21.39	Pass
NVNT	ac40	5190	Ant1	42.246	Pass
NVNT	ac40	5230	Ant1	42.318	Pass
NVNT	ac40	5190	Ant2	42.036	Pass
NVNT	ac40	5230	Ant2	39.978	Pass
NVNT	ac80	5210	Ant1	82.164	Pass
NVNT	ac80	5210	Ant2	82.116	Pass

Test Graphs

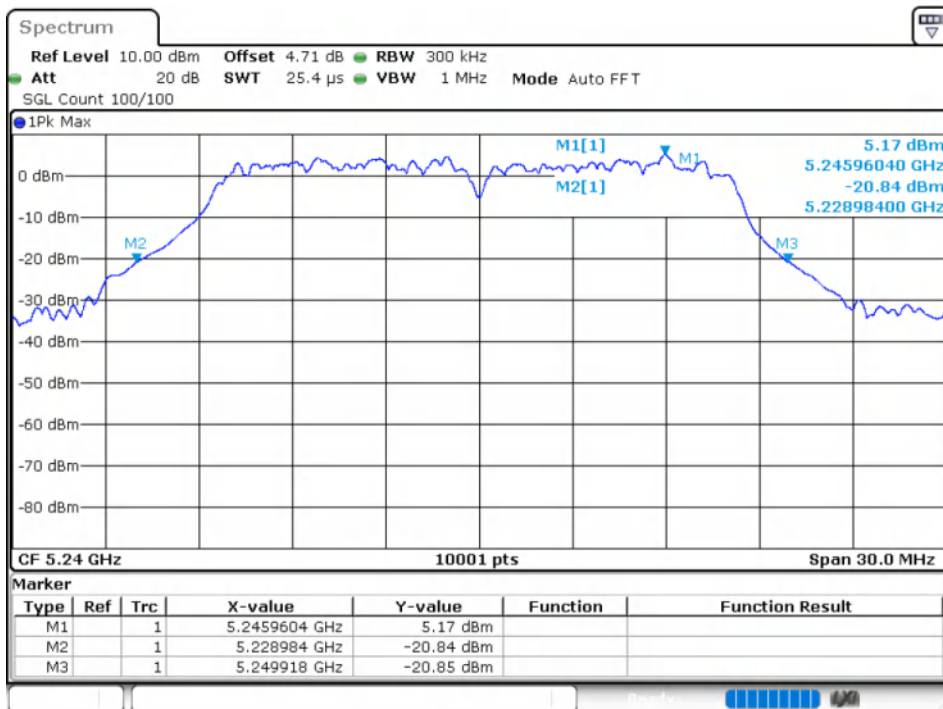
-26dB Bandwidth NVNT a 5180MHz Ant1



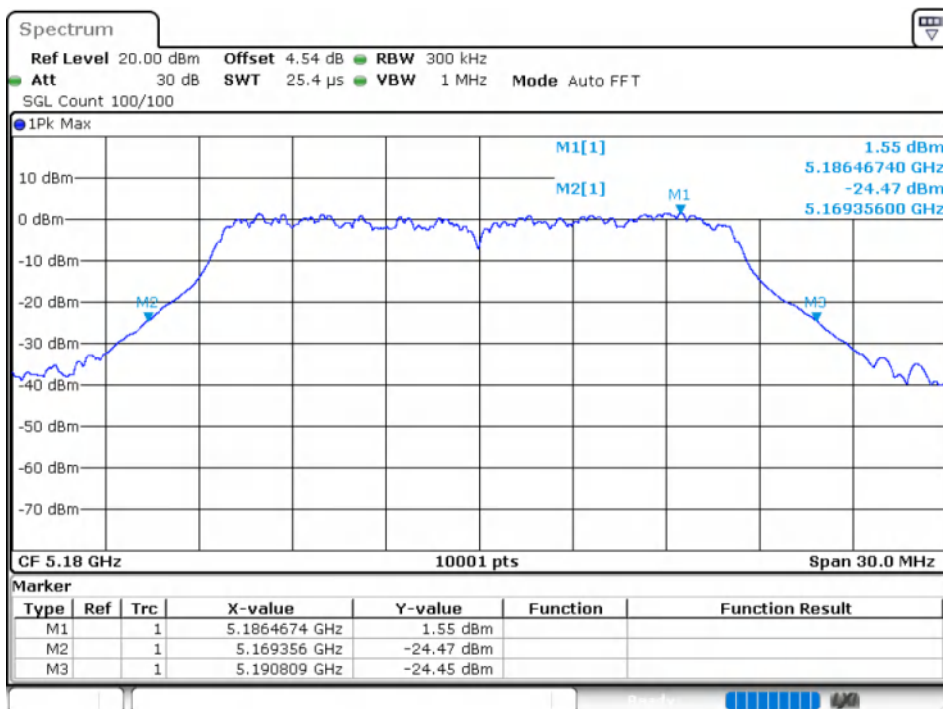
-26dB Bandwidth NVNT a 5200MHz Ant1

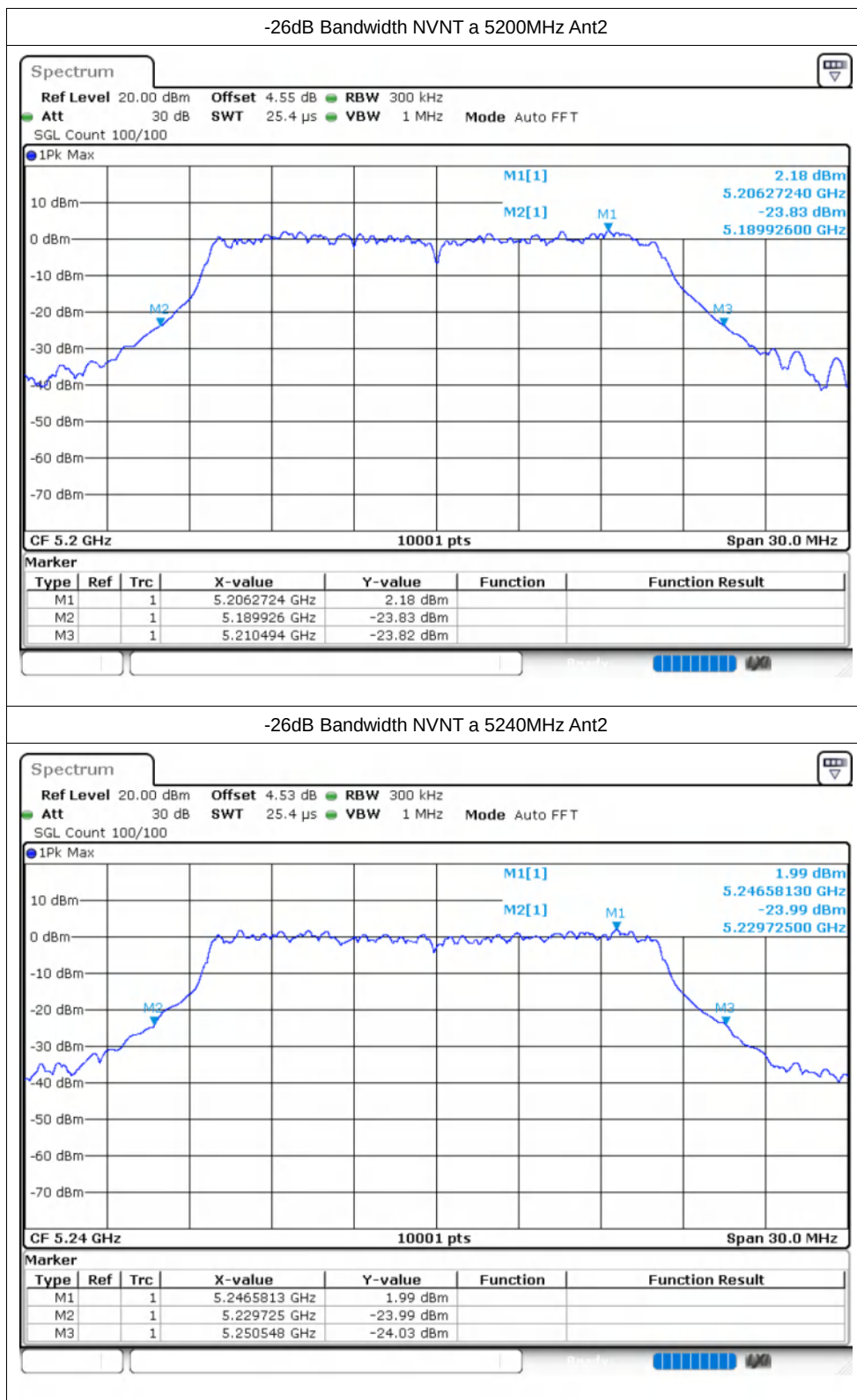


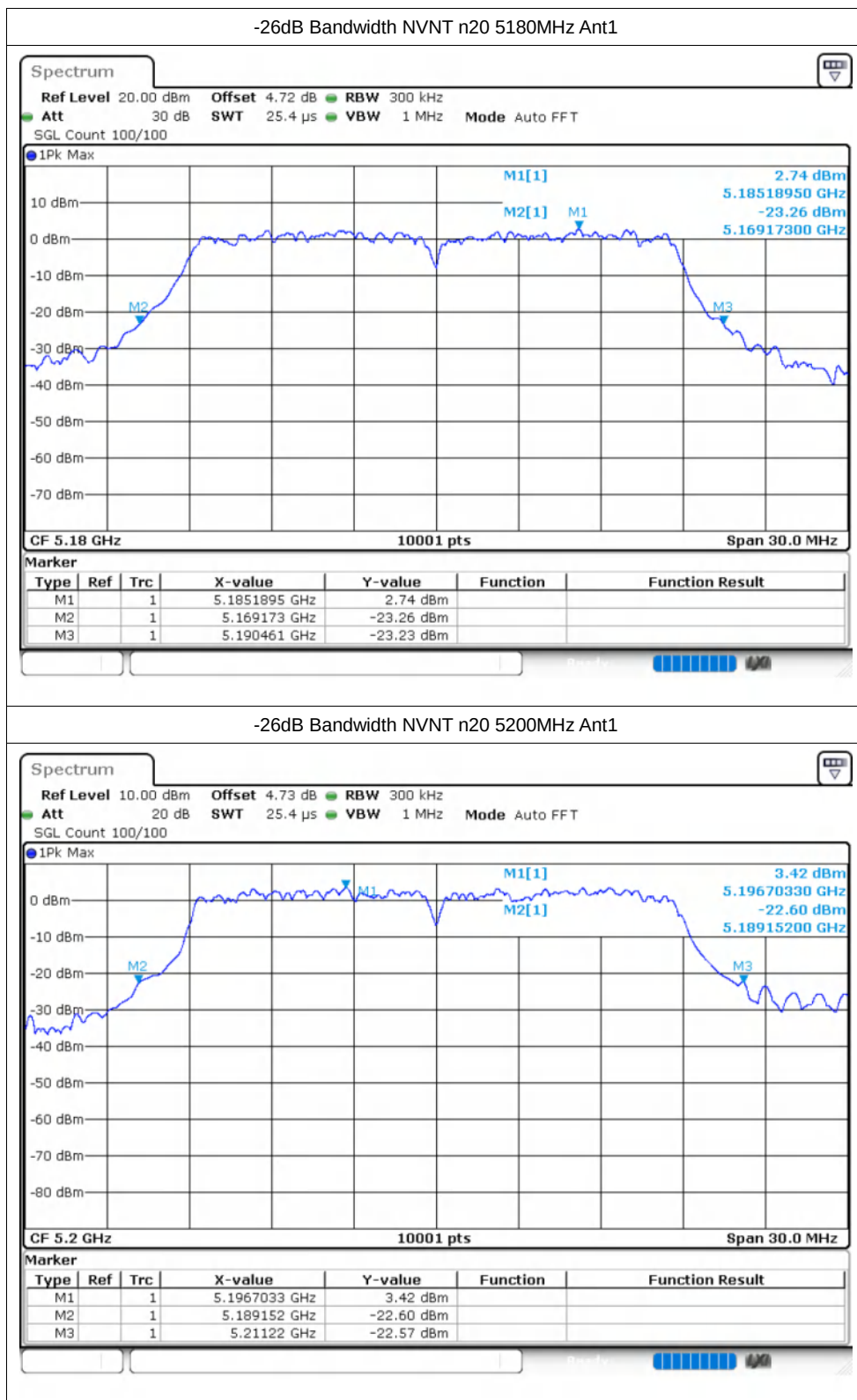
-26dB Bandwidth NVNT a 5240MHz Ant1

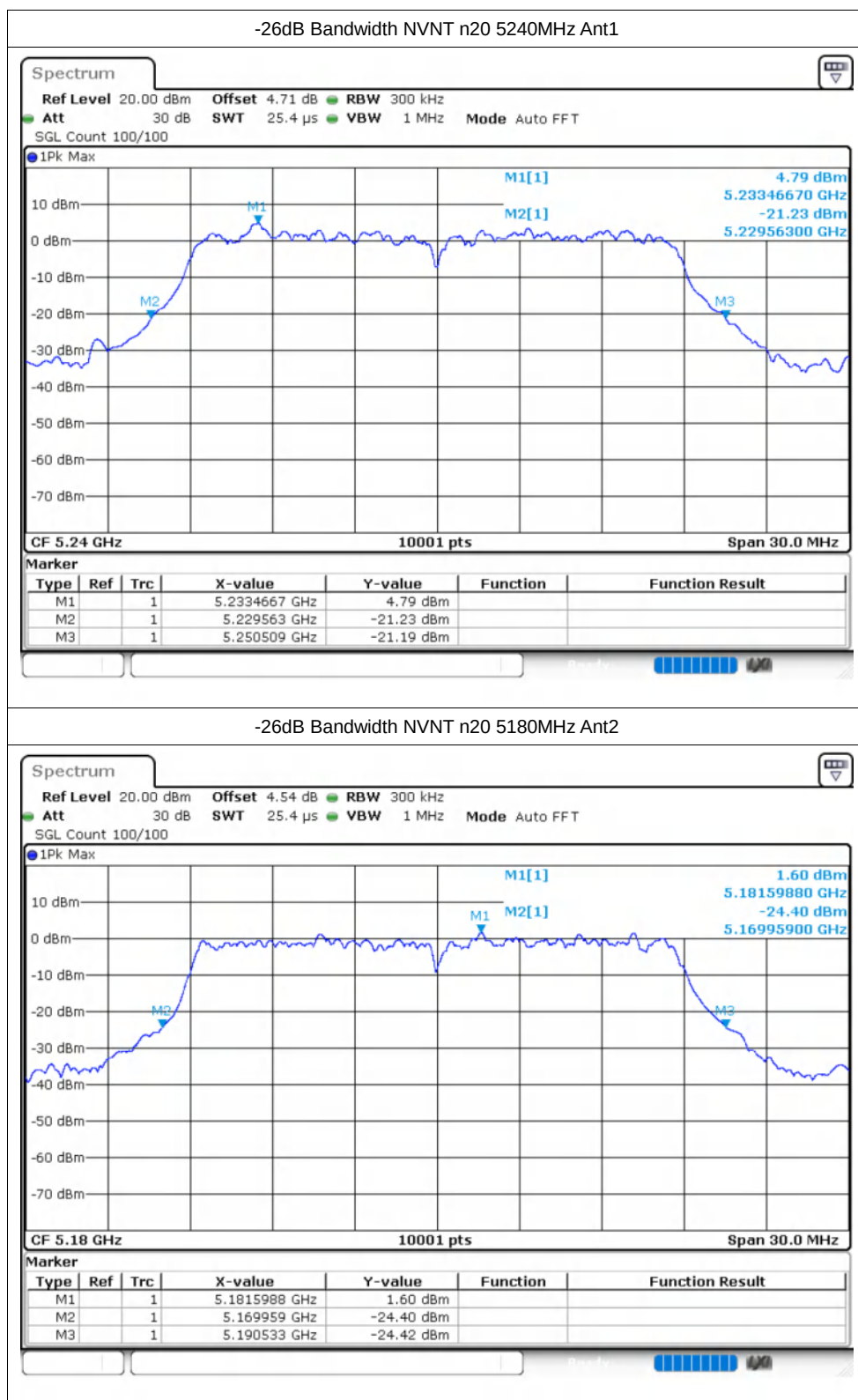


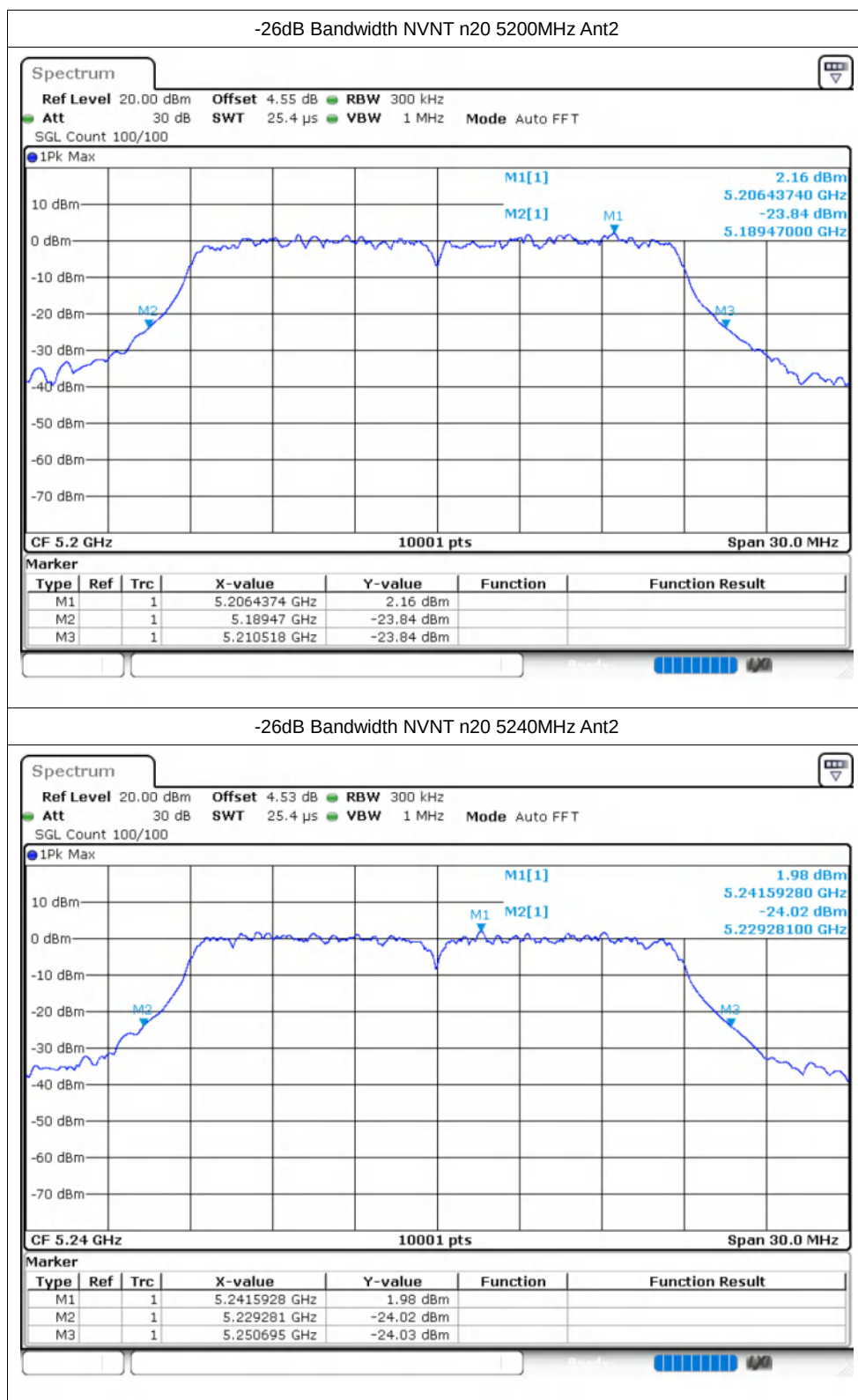
-26dB Bandwidth NVNT a 5180MHz Ant2

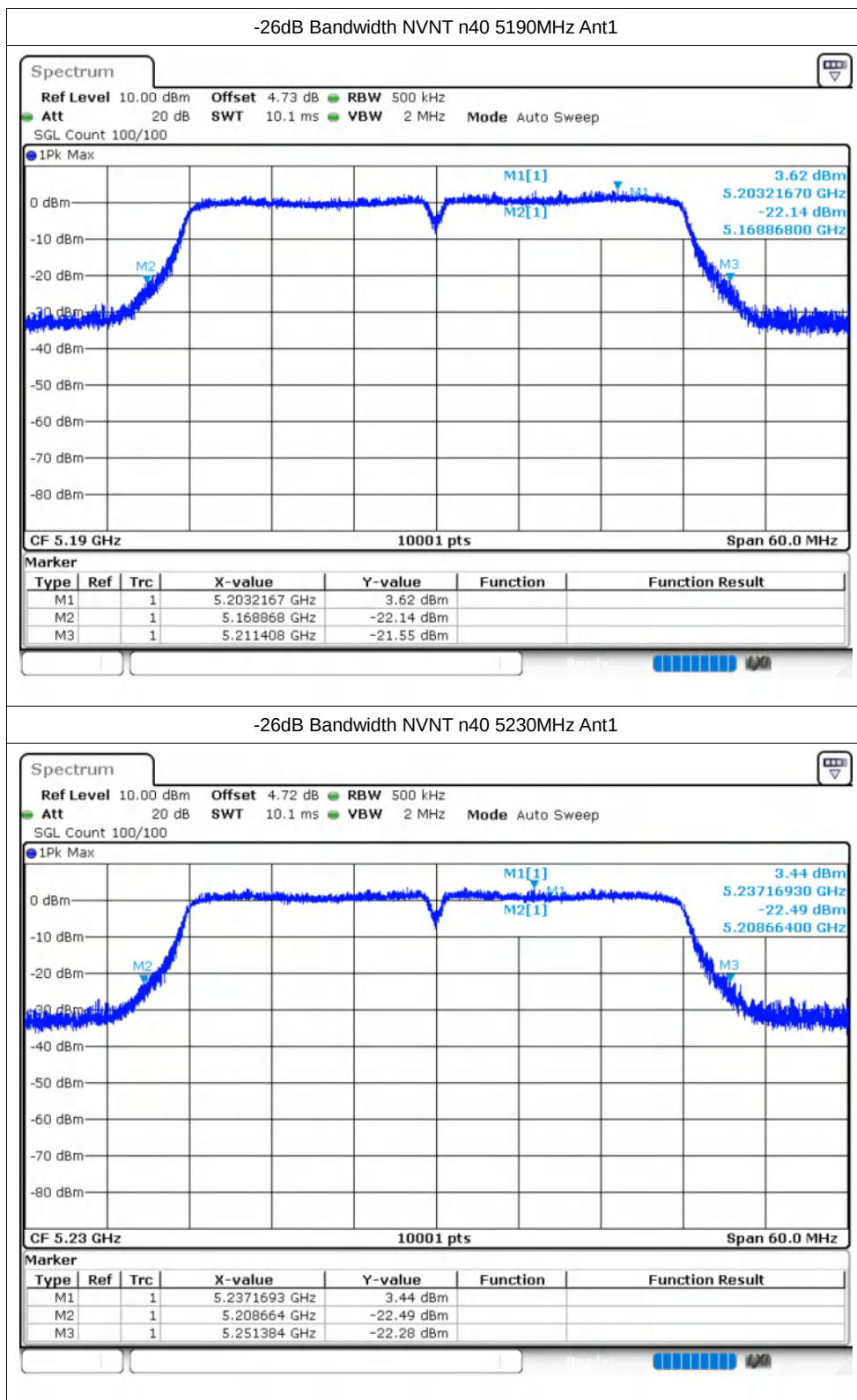


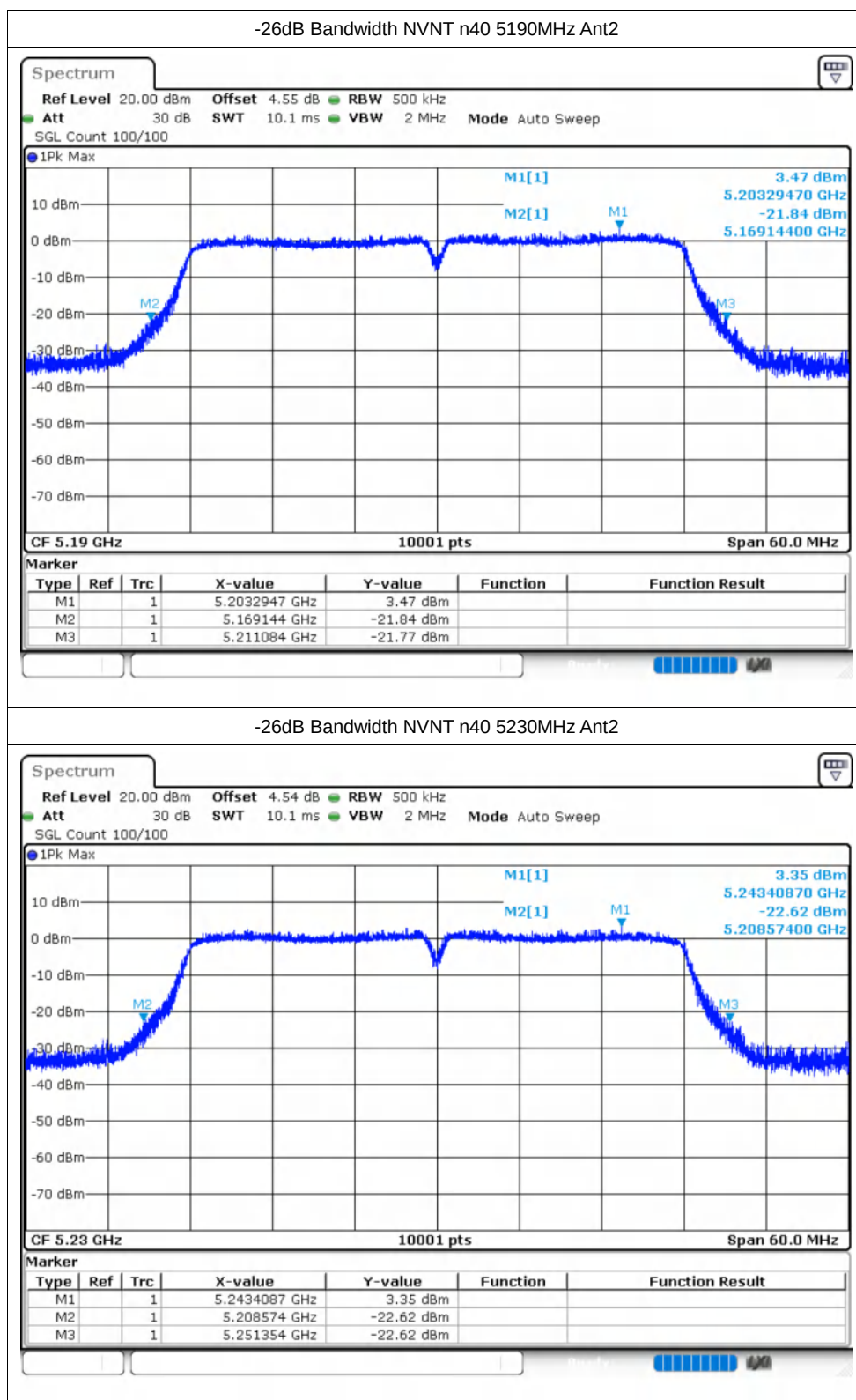


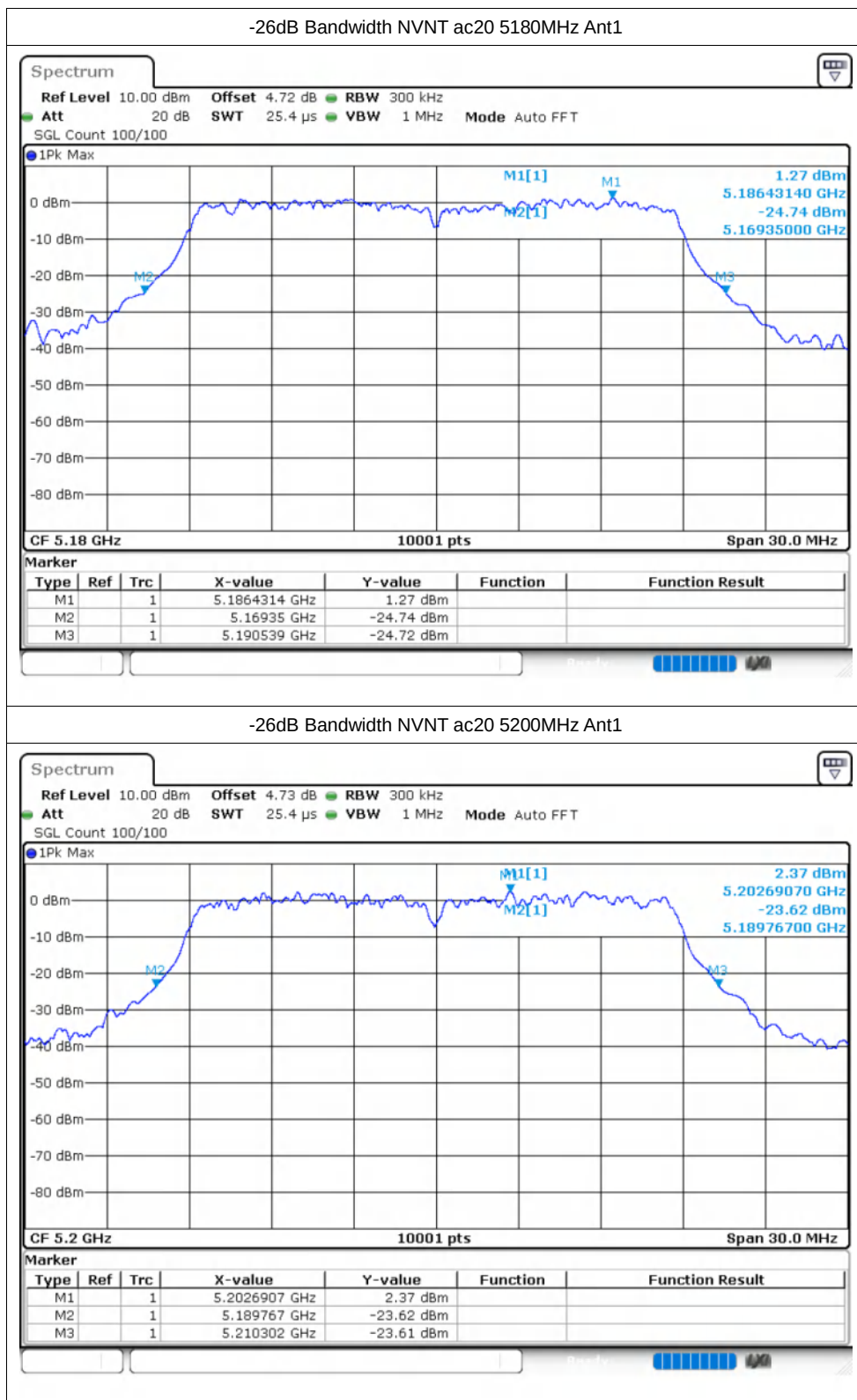


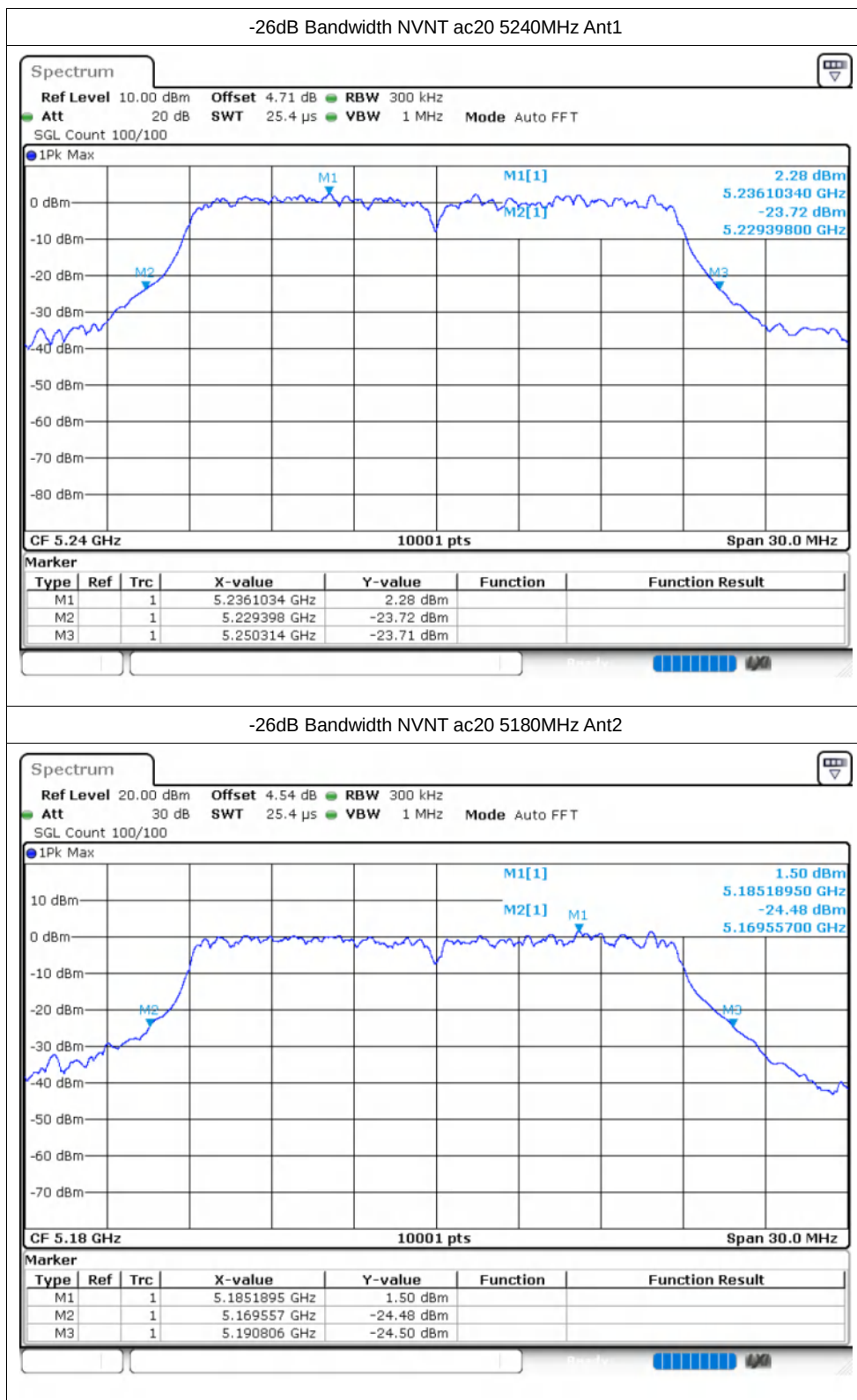


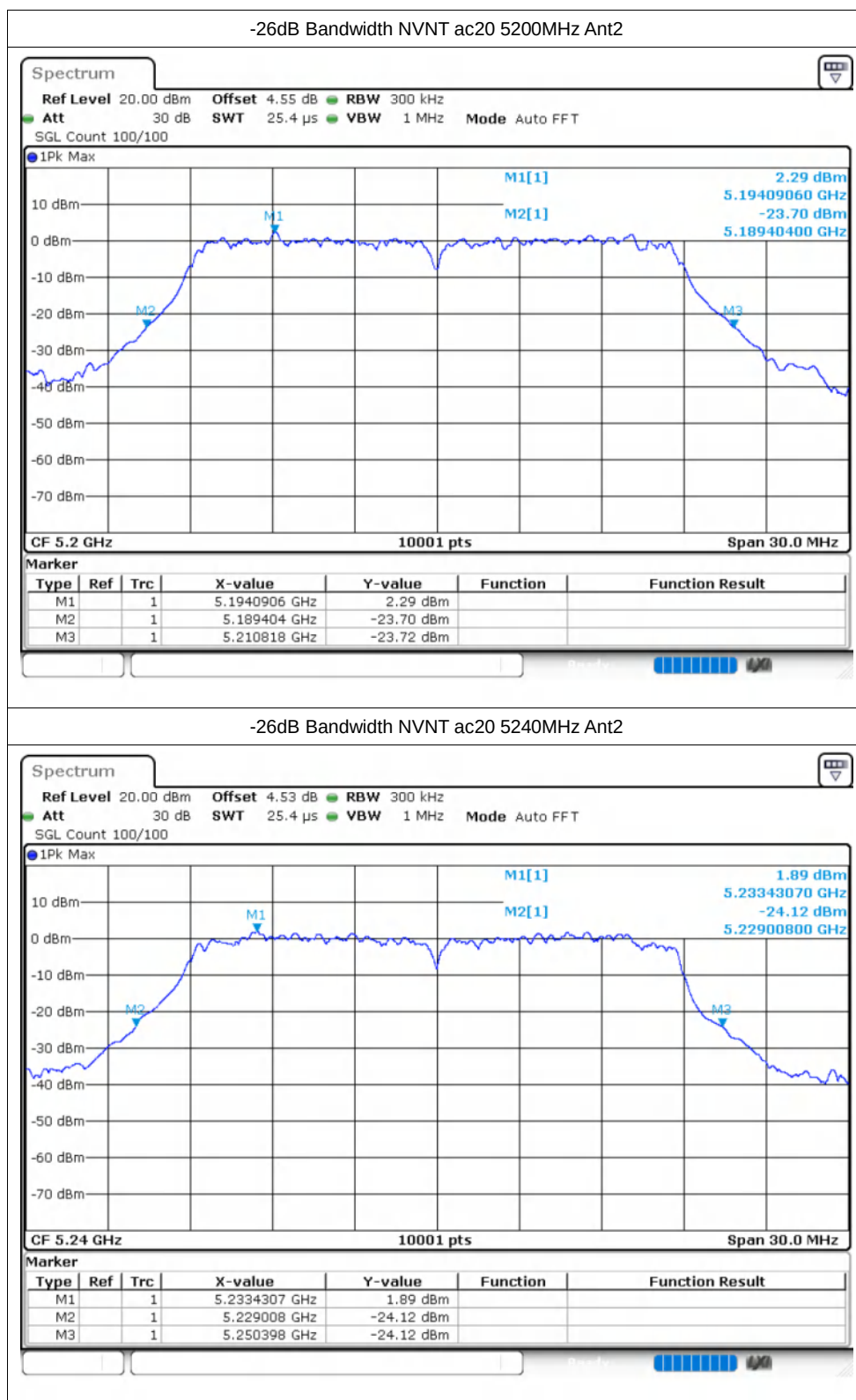


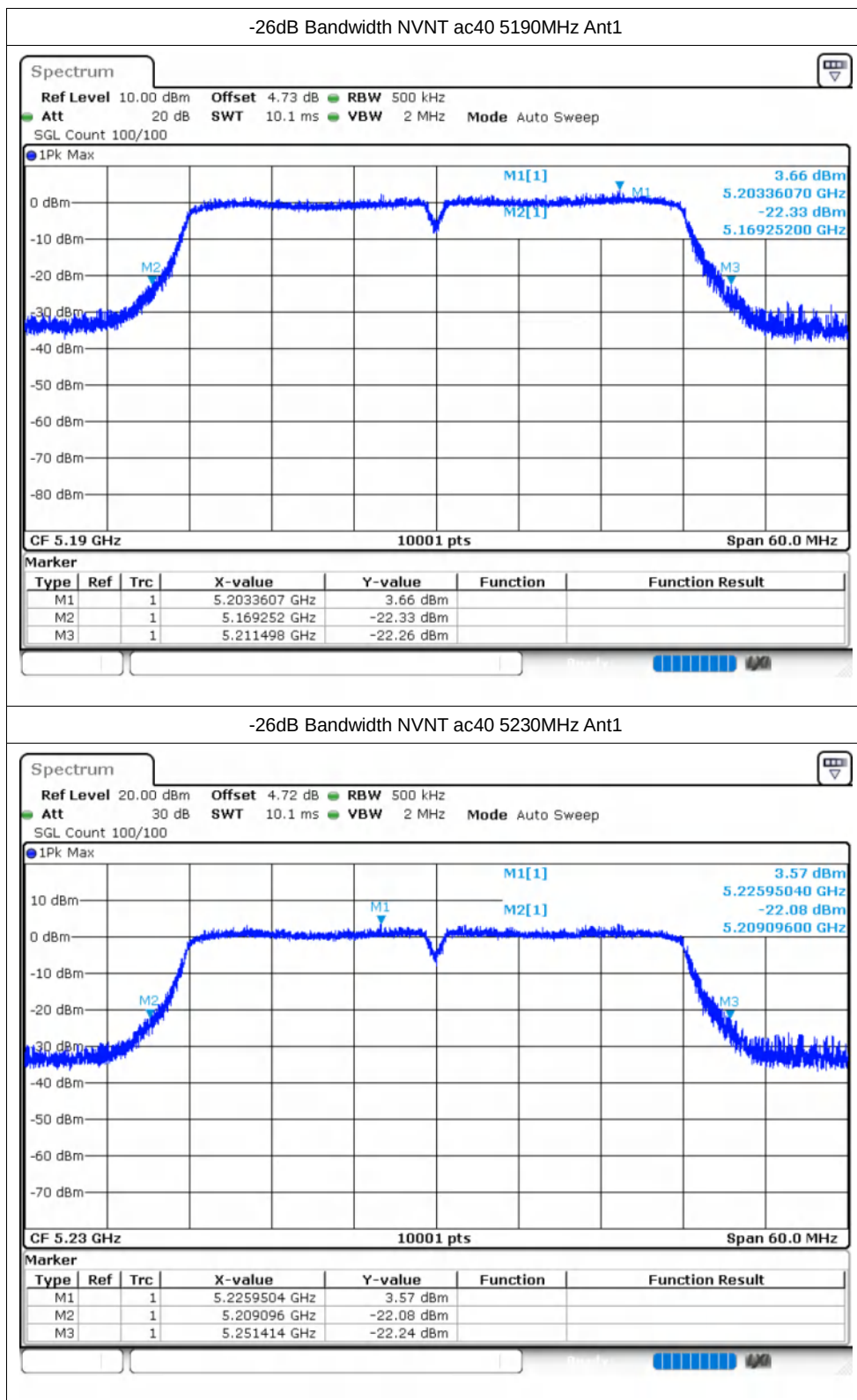


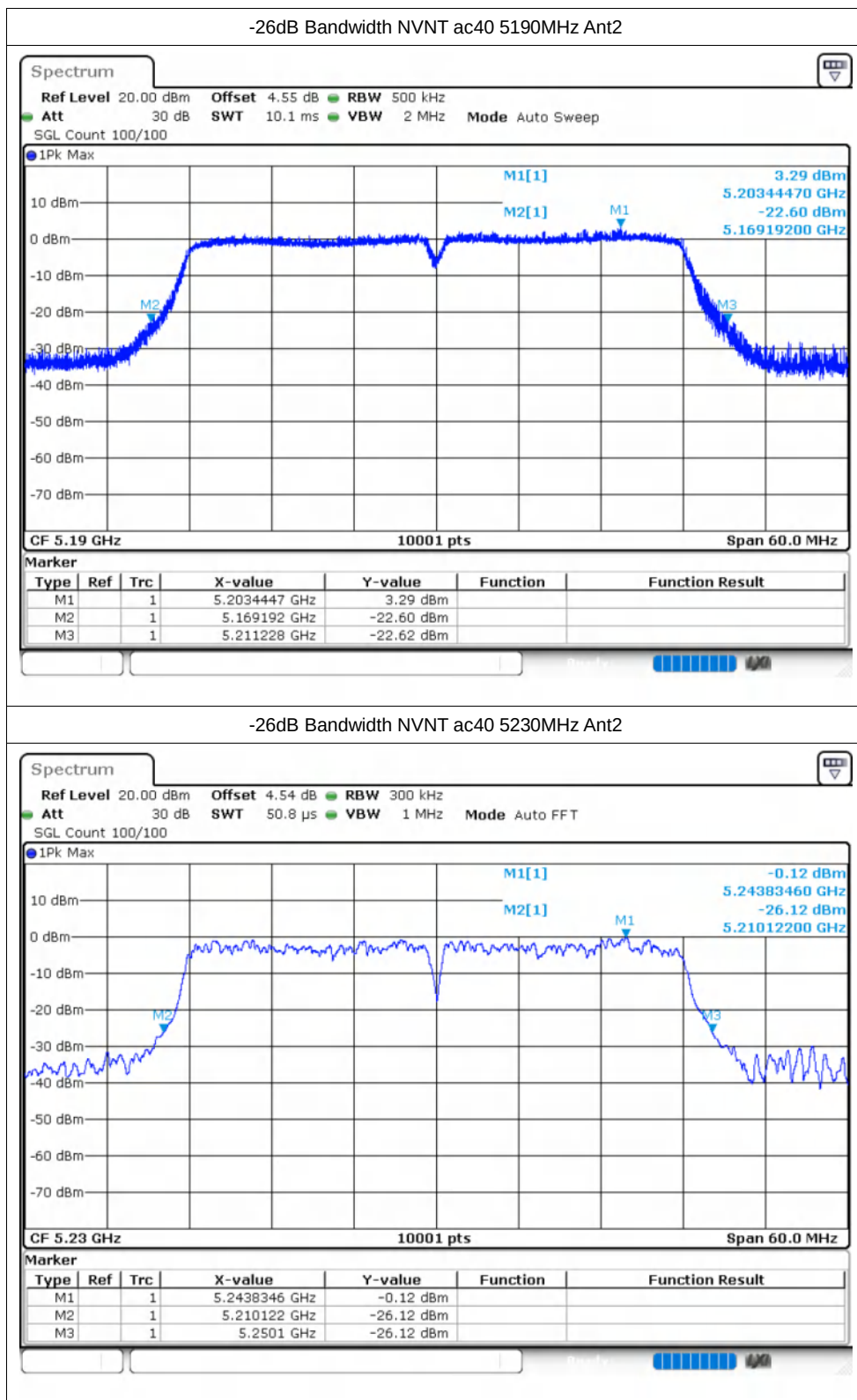


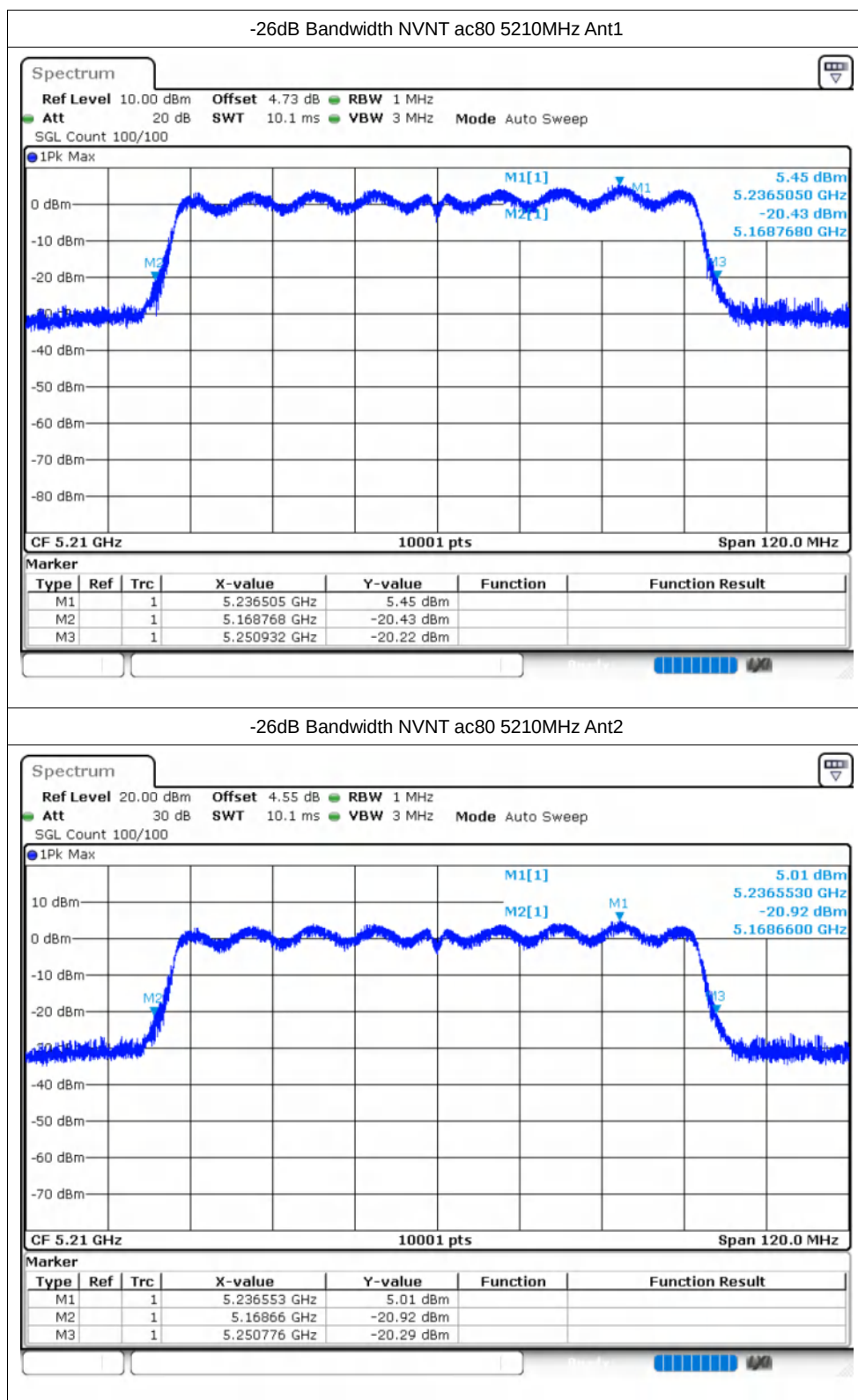










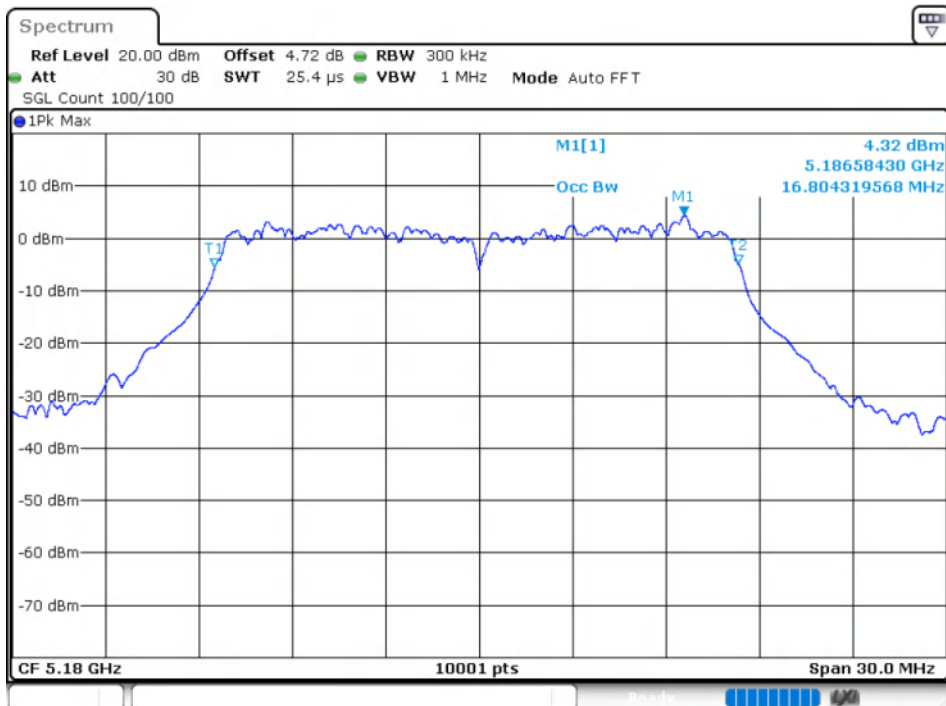


Occupied Channel Bandwidth

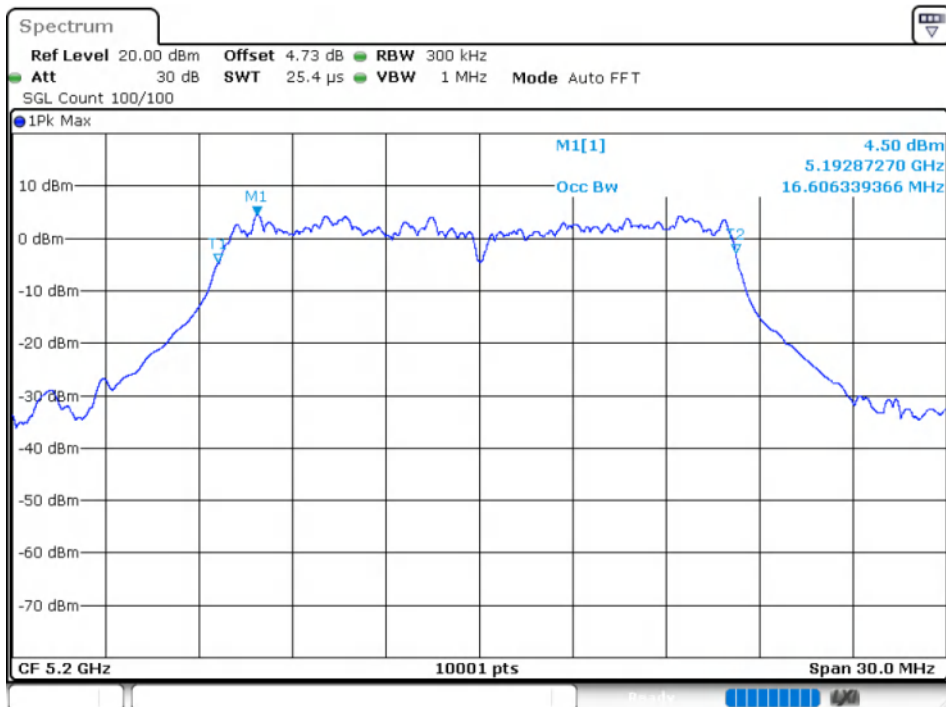
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.804
NVNT	a	5200	Ant1	16.606
NVNT	a	5240	Ant1	16.726
NVNT	a	5180	Ant2	16.729
NVNT	a	5200	Ant2	16.927
NVNT	a	5240	Ant2	16.585
NVNT	n20	5180	Ant1	17.596
NVNT	n20	5200	Ant1	17.578
NVNT	n20	5240	Ant1	17.611
NVNT	n20	5180	Ant2	17.92
NVNT	n20	5200	Ant2	17.626
NVNT	n20	5240	Ant2	17.788
NVNT	n40	5190	Ant1	36.272
NVNT	n40	5230	Ant1	36.242
NVNT	n40	5190	Ant2	36.248
NVNT	n40	5230	Ant2	36.242
NVNT	ac20	5180	Ant1	17.965
NVNT	ac20	5200	Ant1	17.761
NVNT	ac20	5240	Ant1	17.725
NVNT	ac20	5180	Ant2	17.896
NVNT	ac20	5200	Ant2	17.689
NVNT	ac20	5240	Ant2	17.671
NVNT	ac40	5190	Ant1	36.26
NVNT	ac40	5230	Ant1	36.242
NVNT	ac40	5190	Ant2	36.272
NVNT	ac40	5230	Ant2	36.158
NVNT	ac80	5210	Ant1	75.412
NVNT	ac80	5210	Ant2	75.388

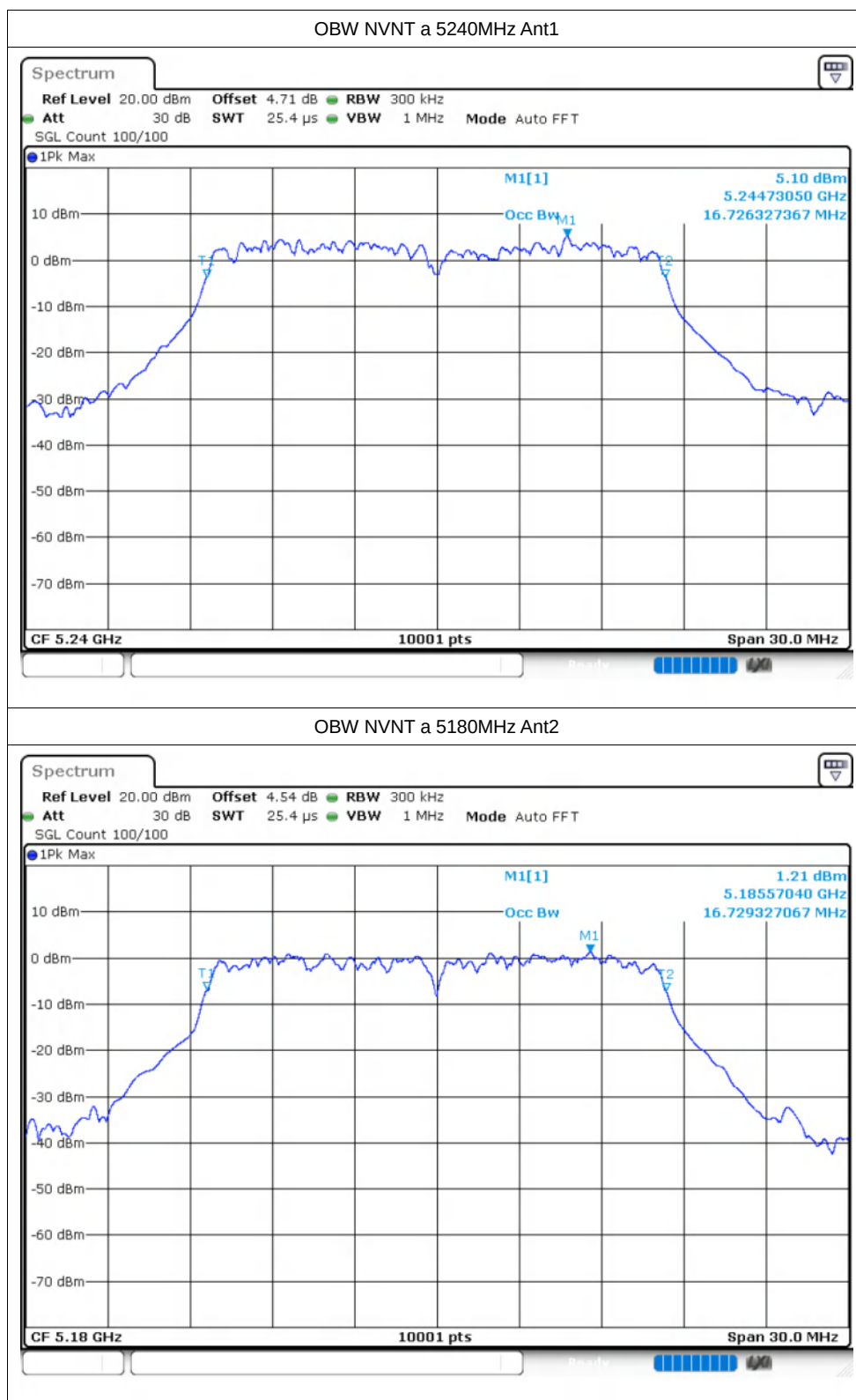
Test Graphs

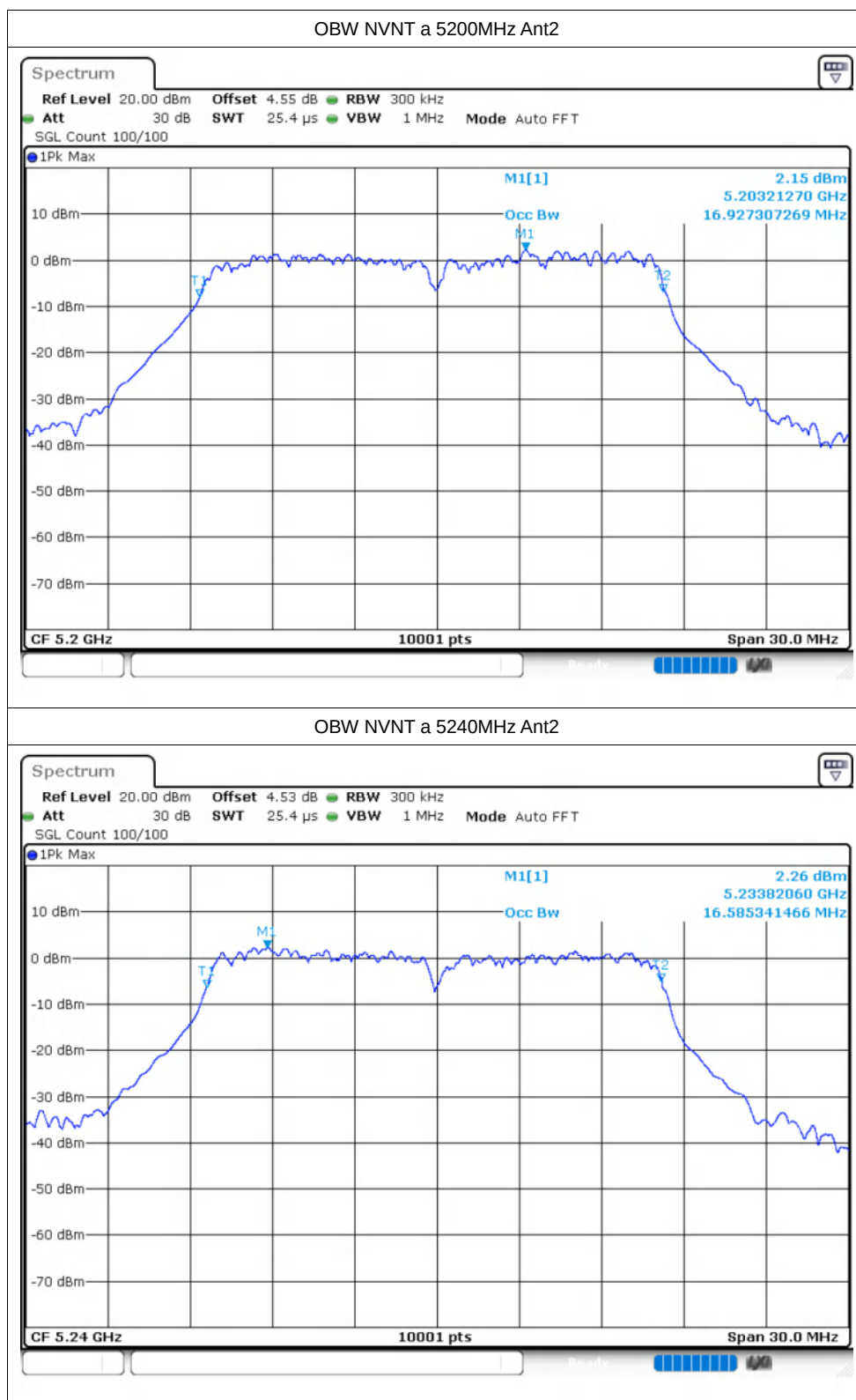
OBW NVNT a 5180MHz Ant1

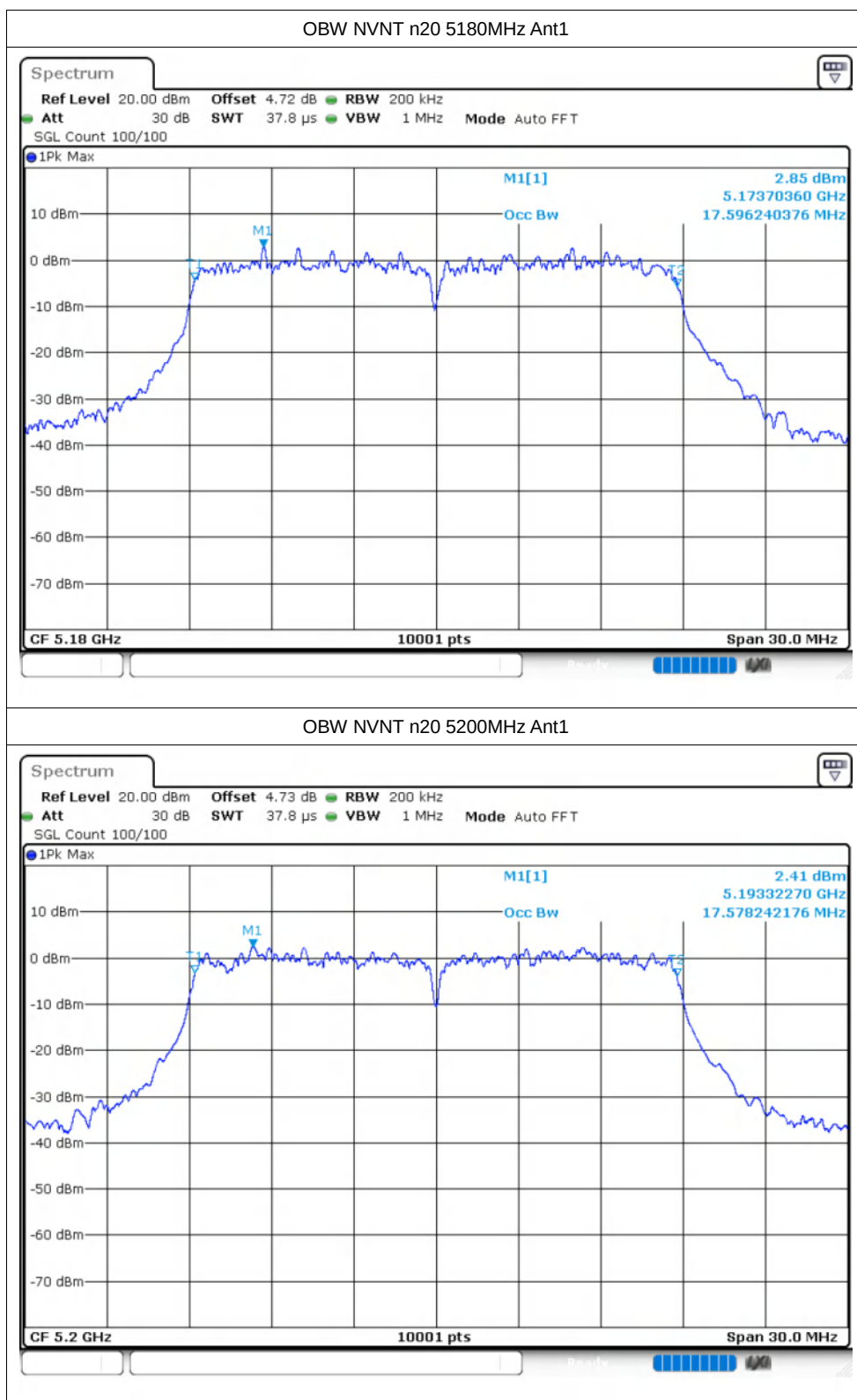


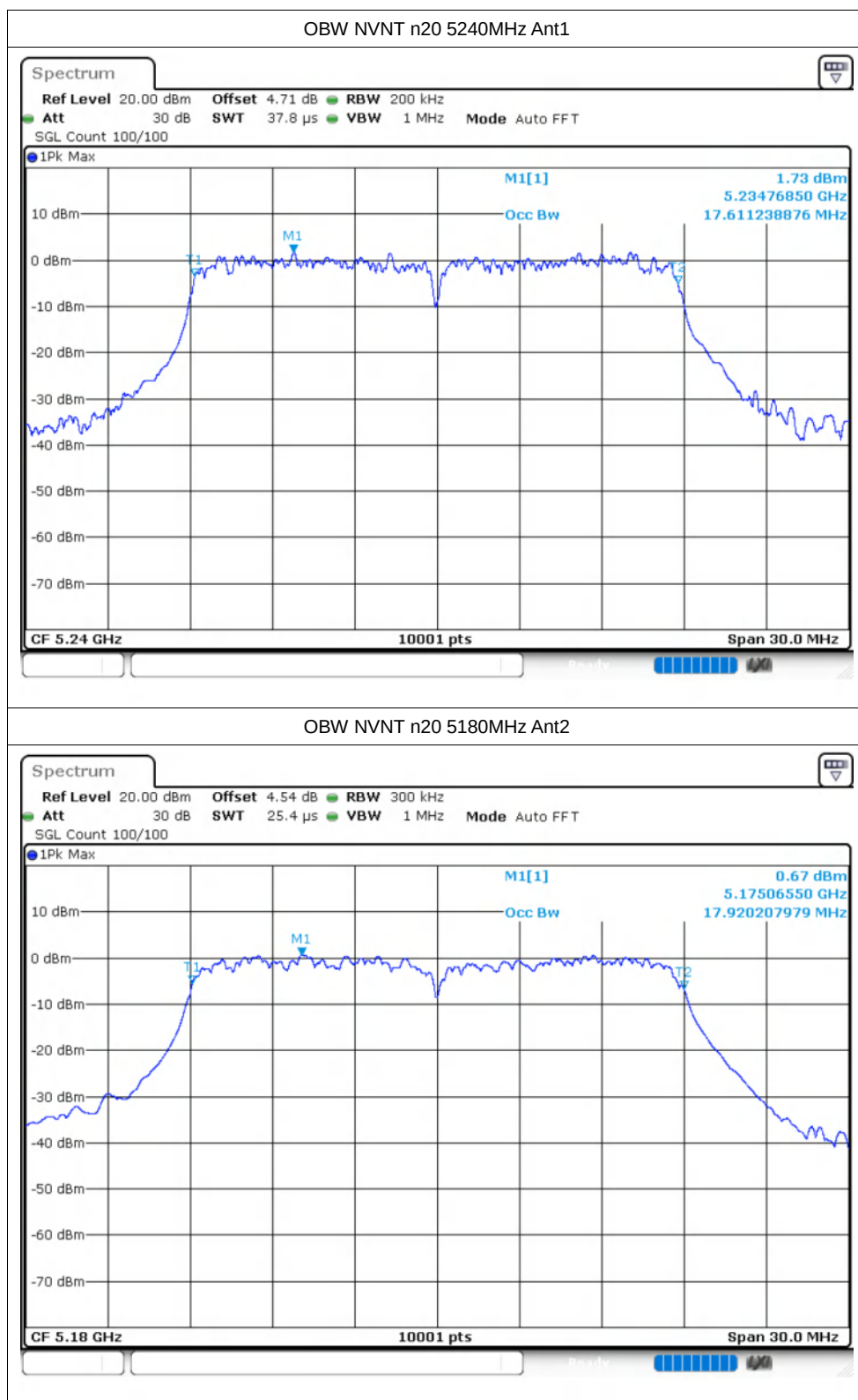
OBW NVNT a 5200MHz Ant1

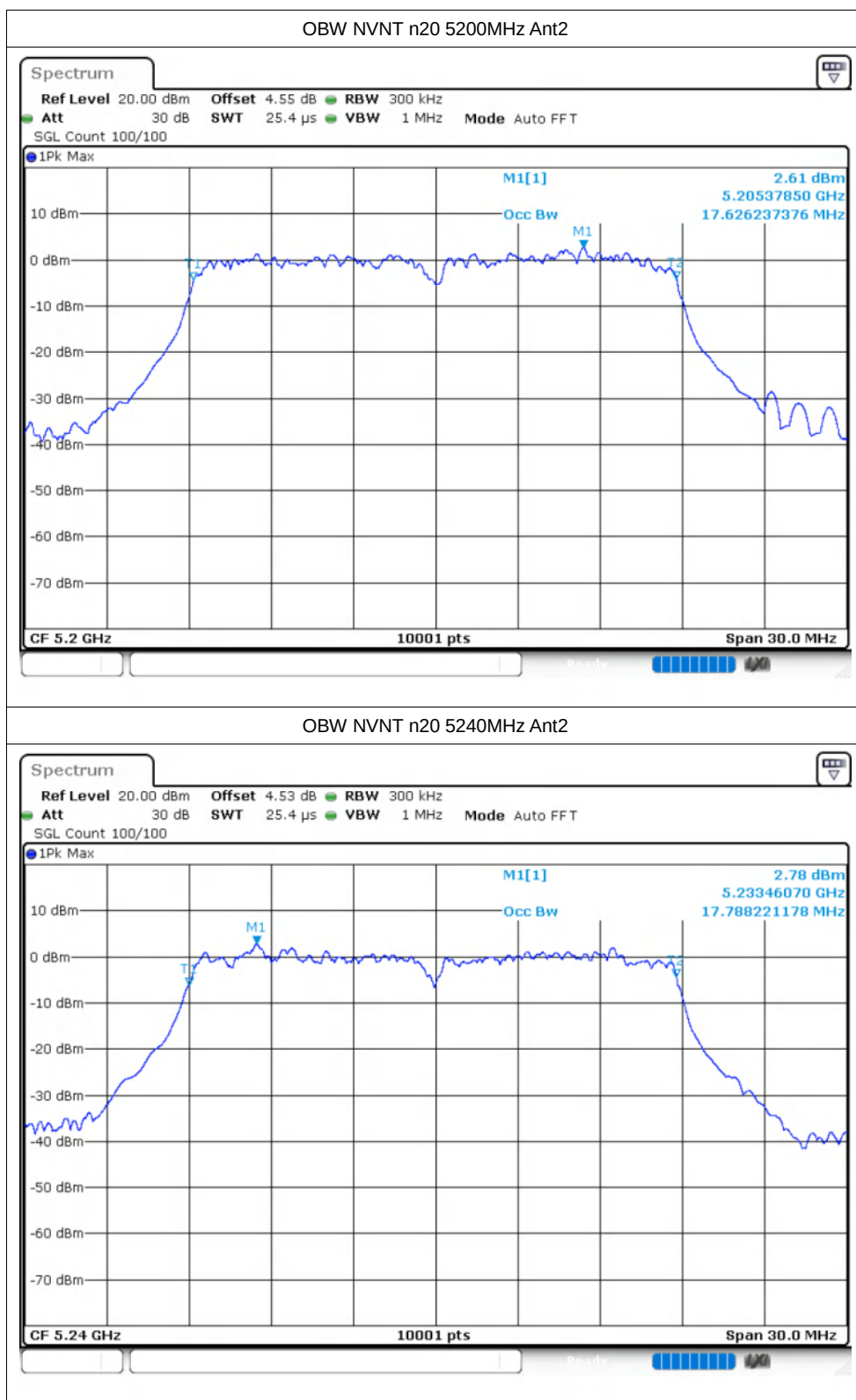


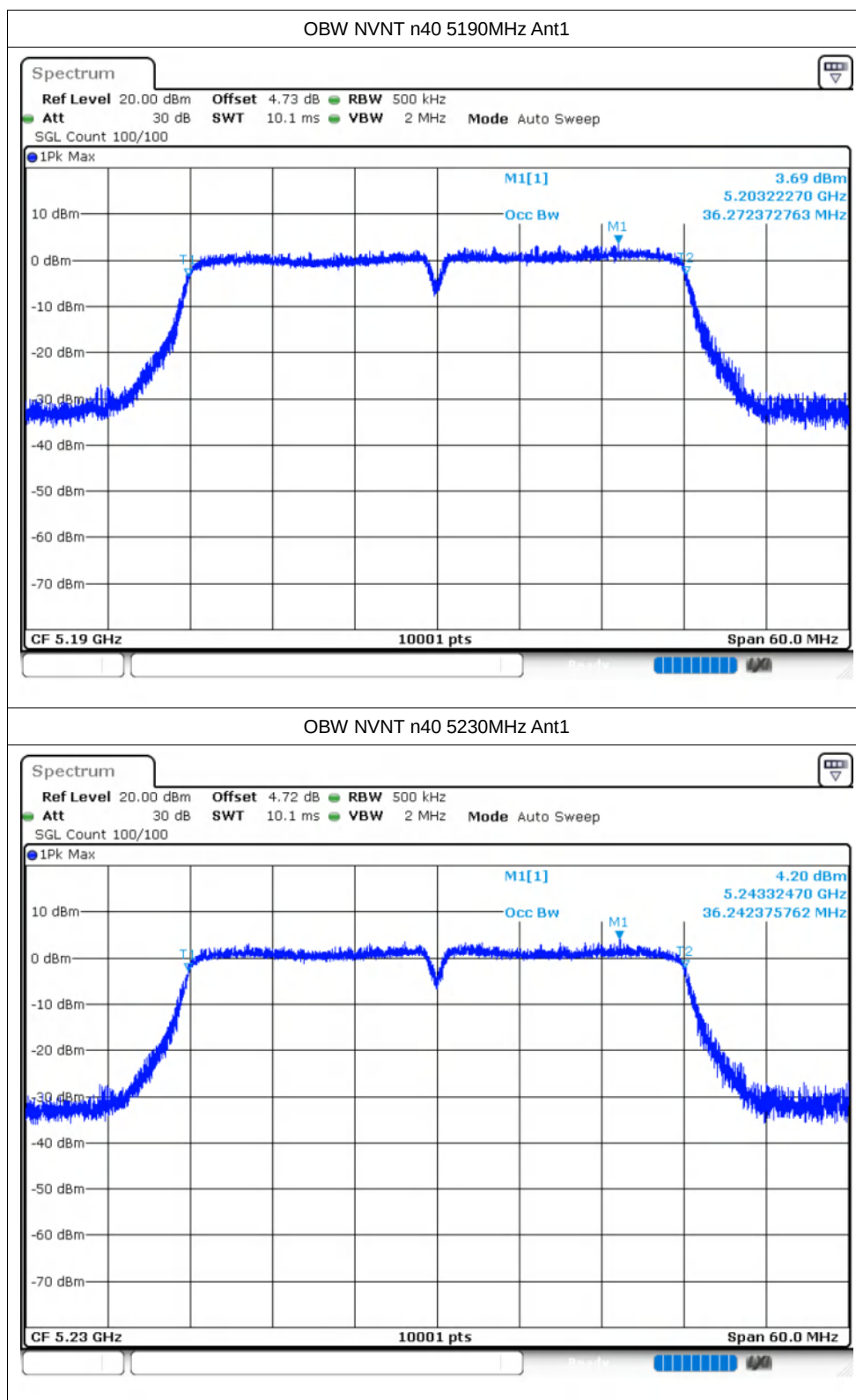


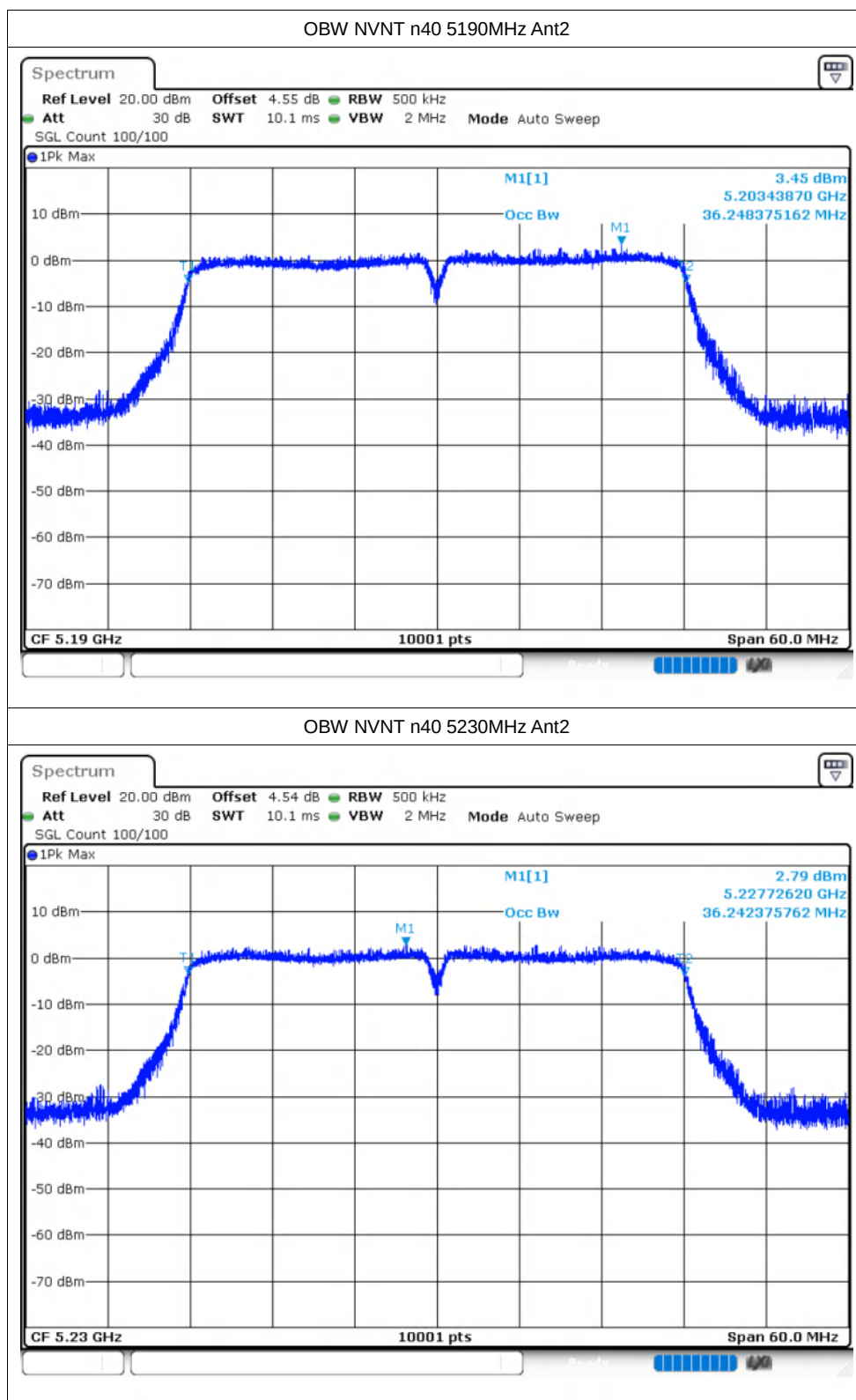


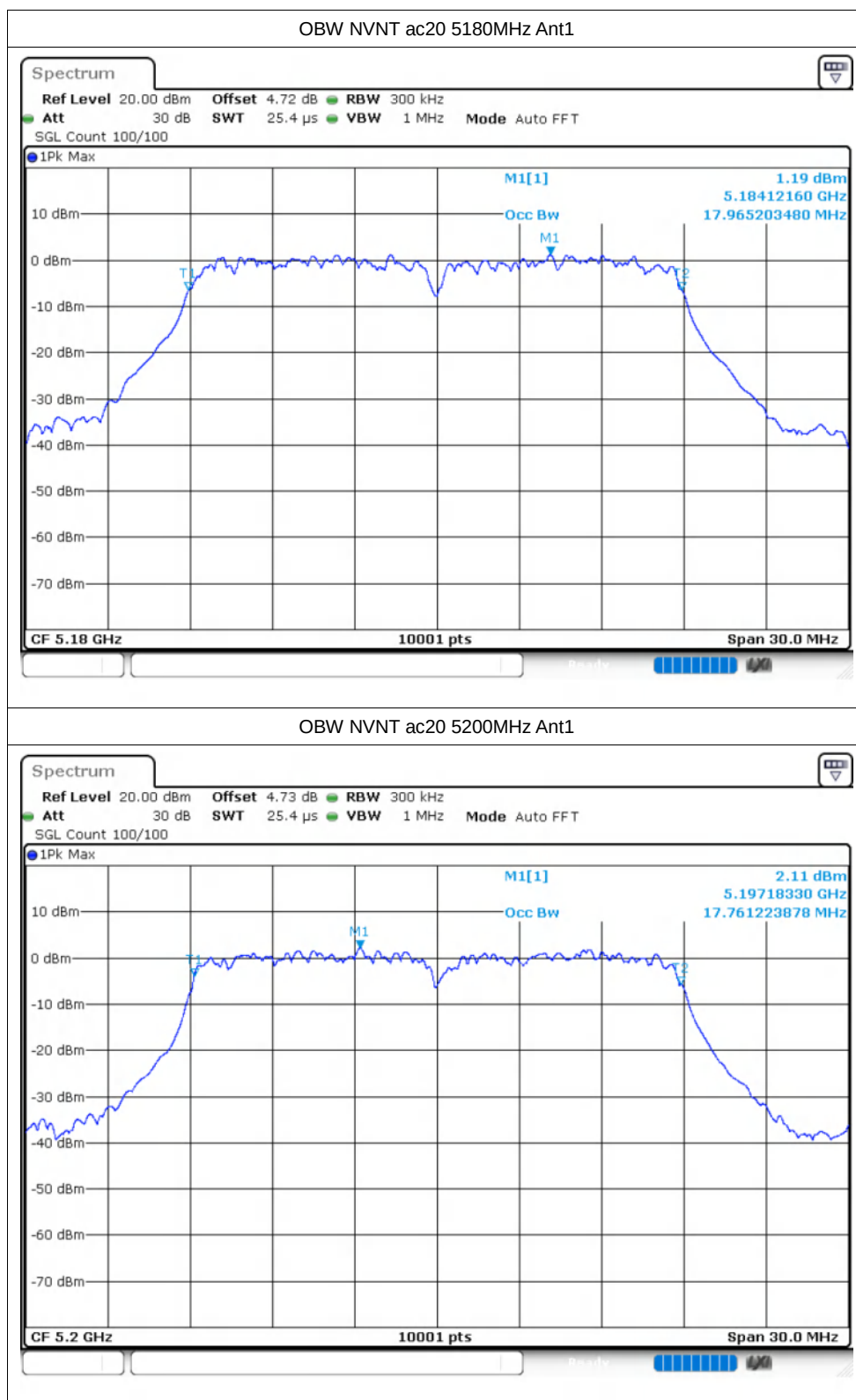


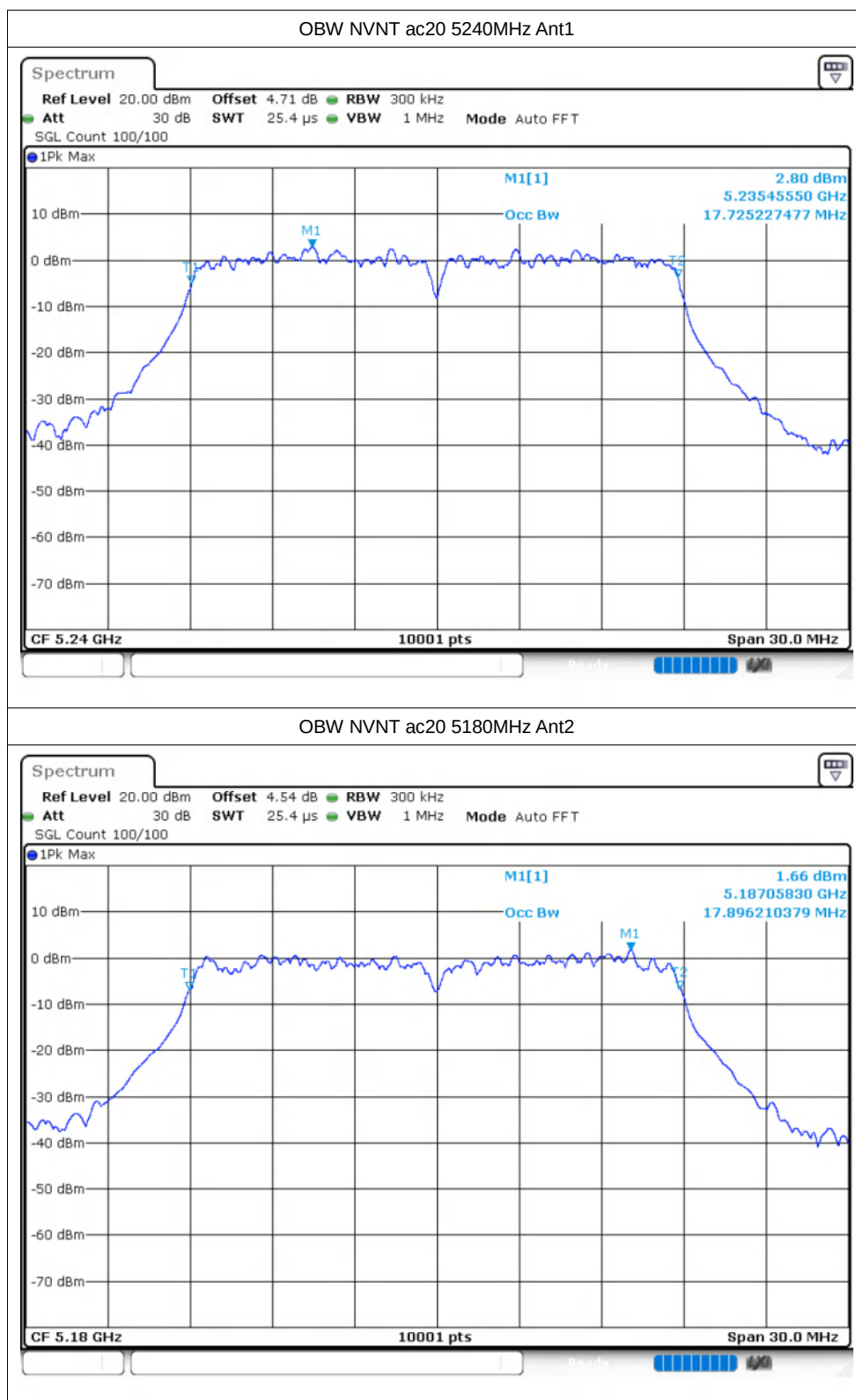


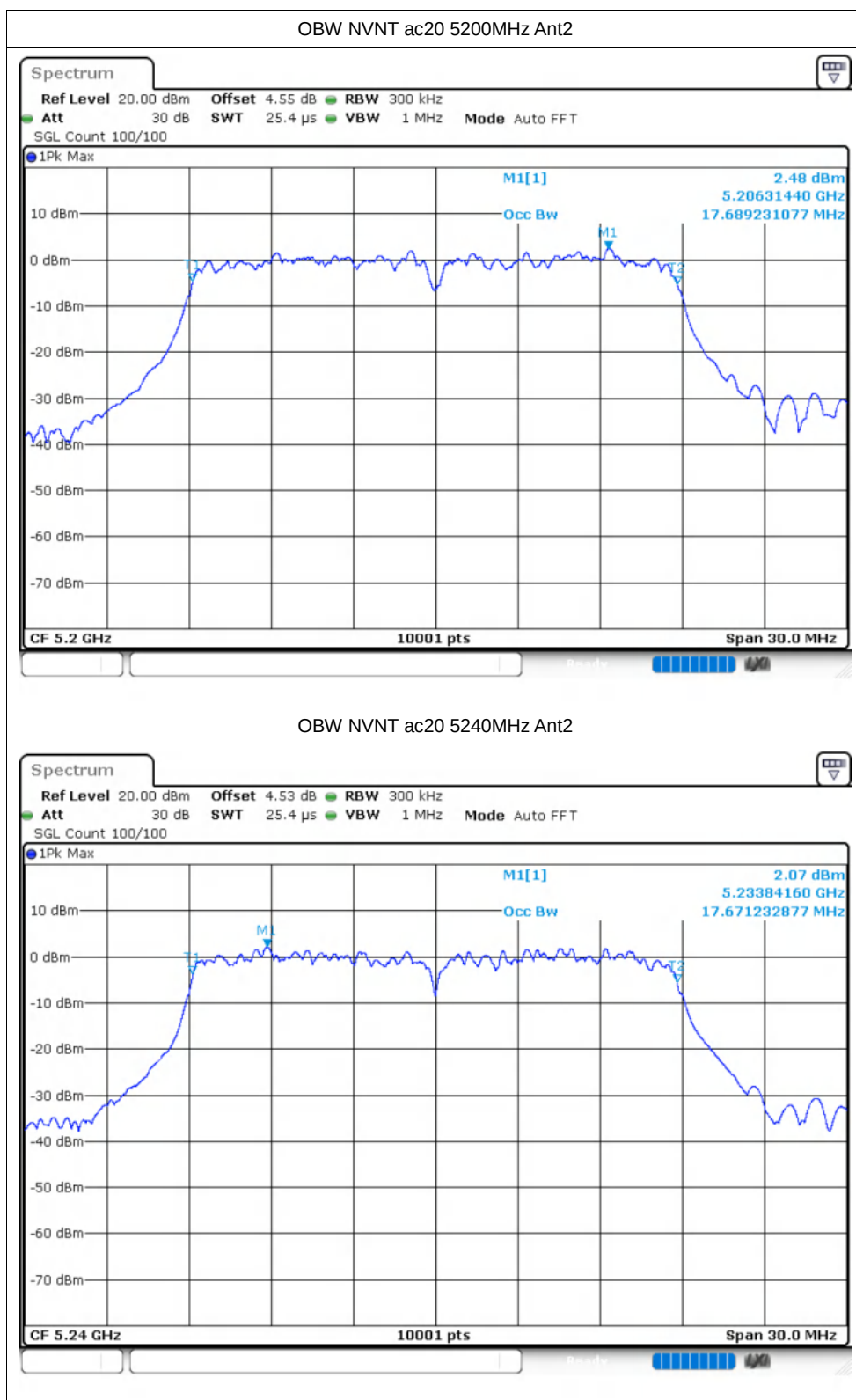


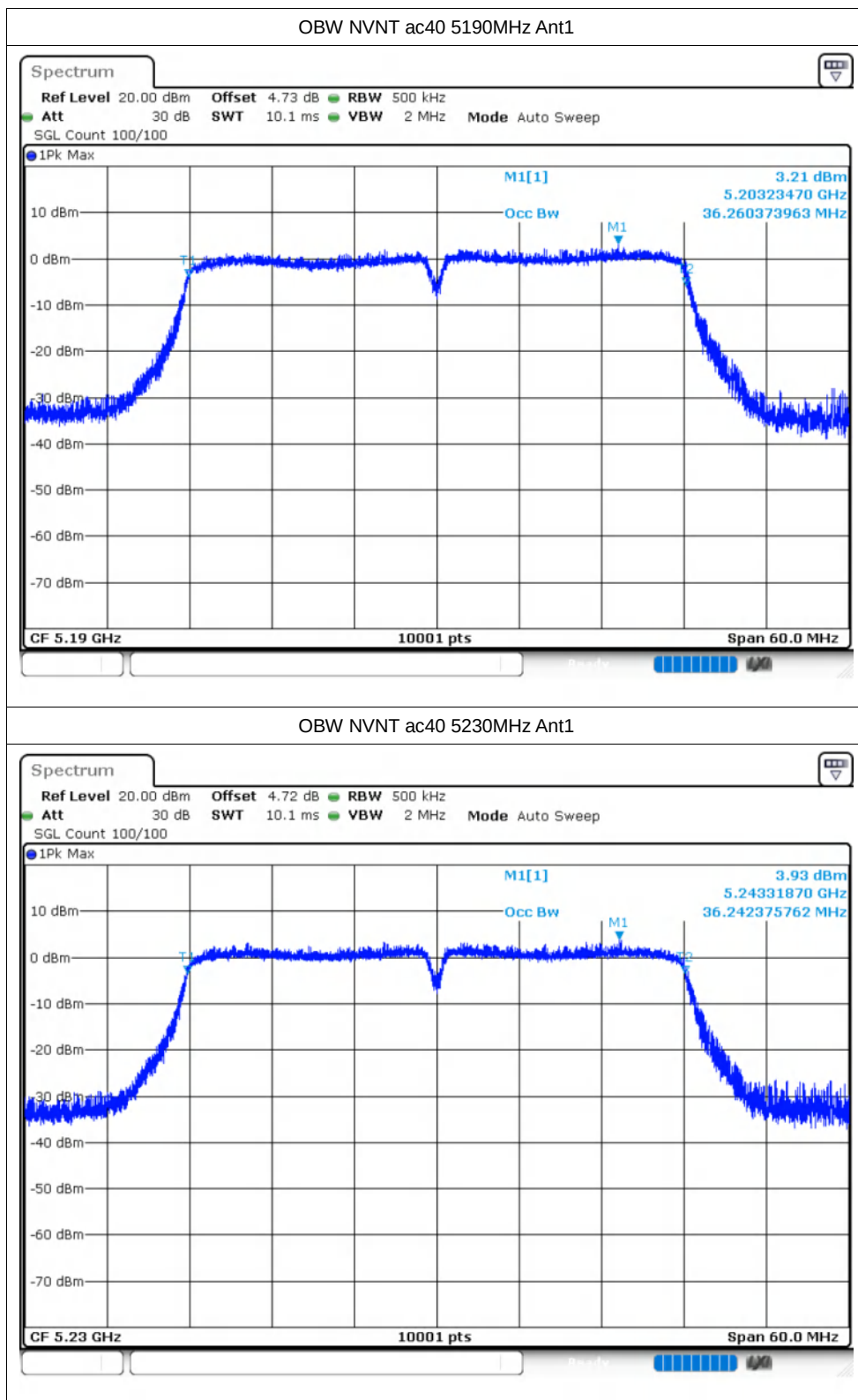


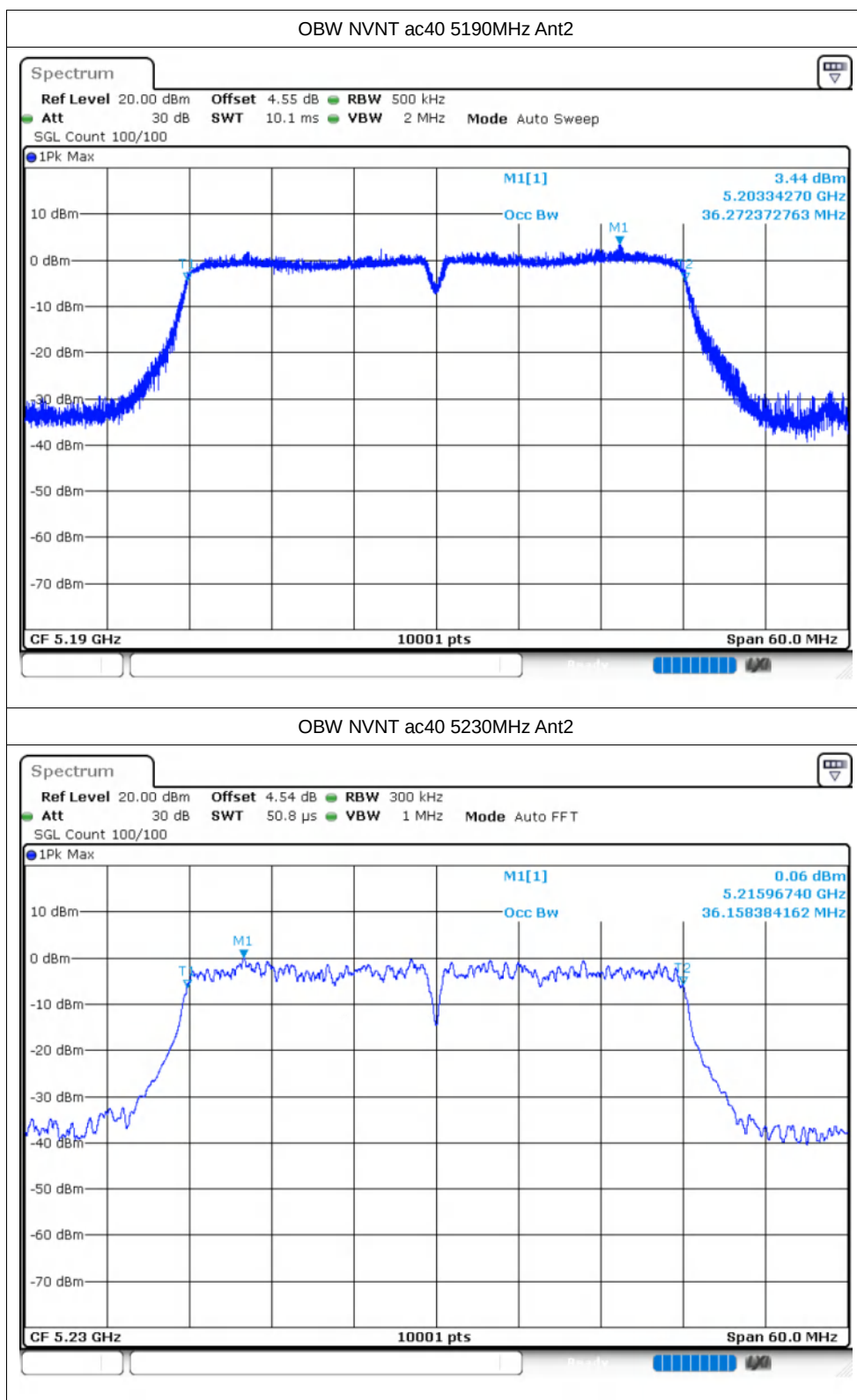


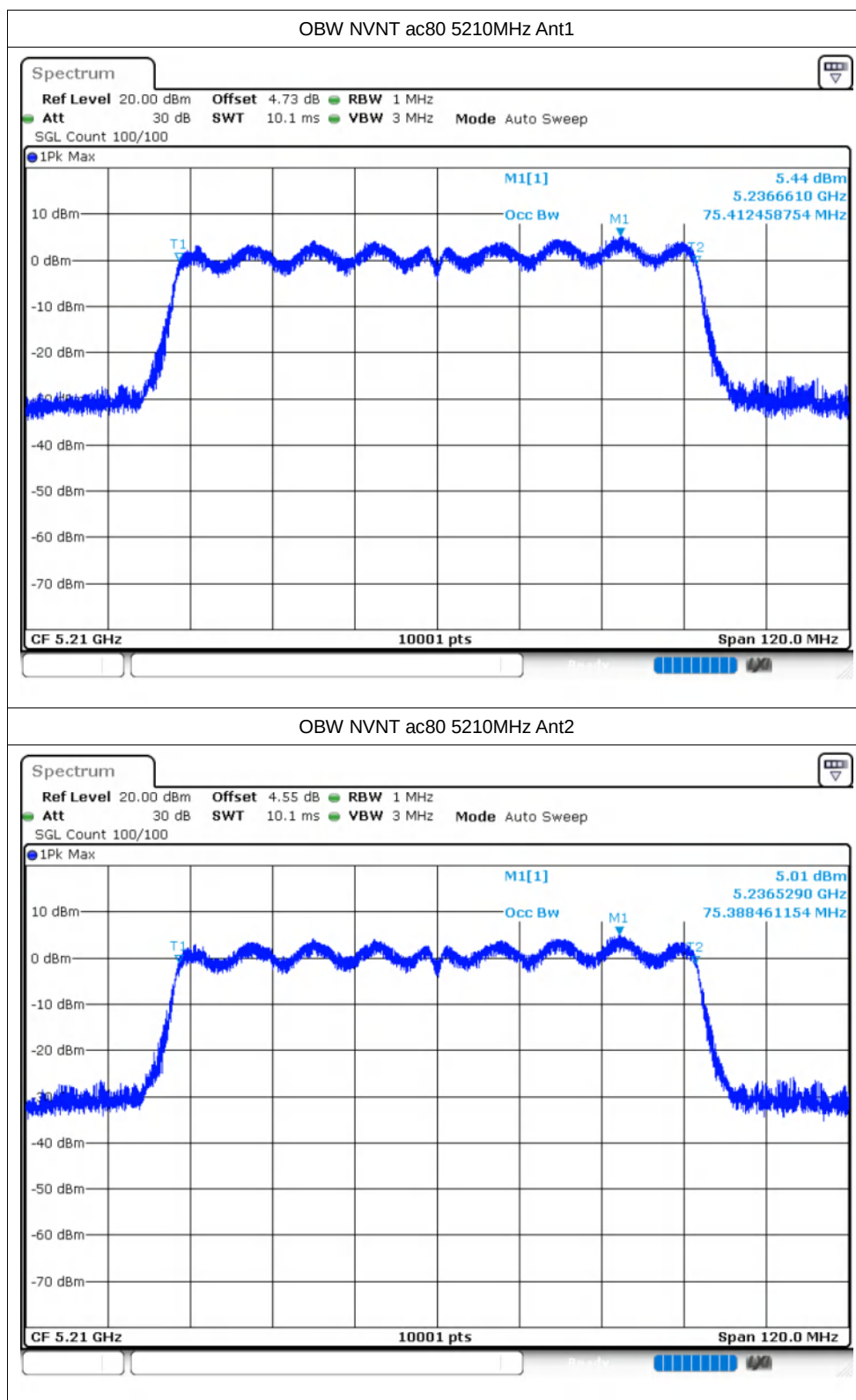










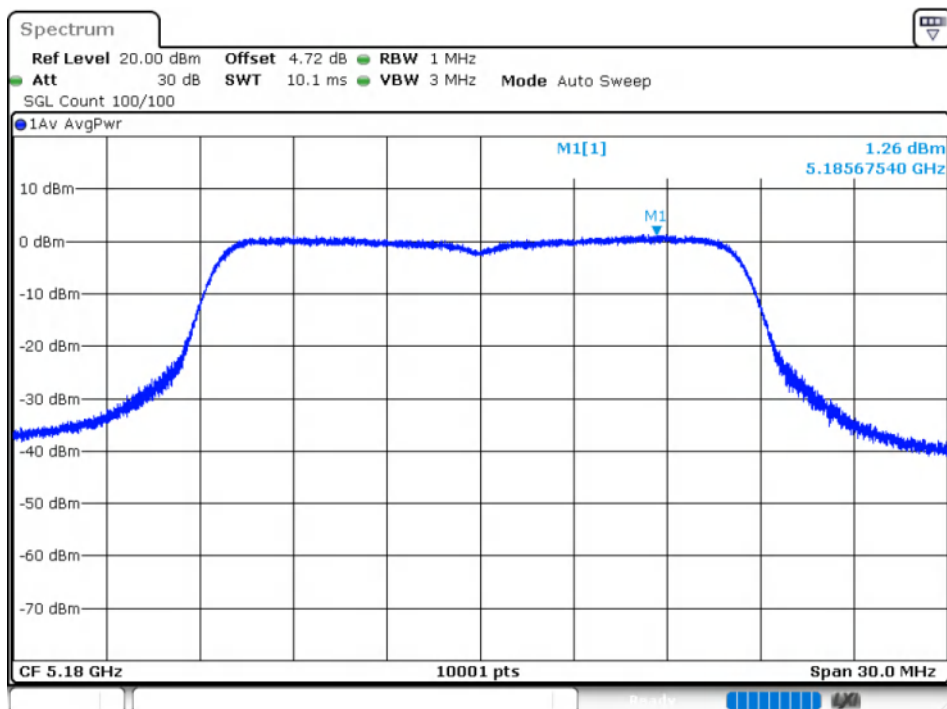


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	1.26	0.75	2.01	11	Pass
NVNT	a	5200	Ant1	2.14	0.71	2.85	11	Pass
NVNT	a	5240	Ant1	1.77	0.73	2.5	11	Pass
NVNT	a	5180	Ant2	-0.55	0.7	0.15	11	Pass
NVNT	a	5200	Ant2	-0.02	0.75	0.73	11	Pass
NVNT	a	5240	Ant2	-0.06	0.72	0.66	11	Pass
NVNT	n20	5180	Ant1	0.13	0.8	0.93	11	Pass
NVNT	n20	5200	Ant1	1.1	0.8	1.9	11	Pass
NVNT	n20	5240	Ant1	0.65	0.79	1.44	11	Pass
NVNT	n20	5180	Ant2	-1.08	0.8	-0.28	11	Pass
NVNT	n20	5200	Ant2	-0.33	0.78	0.45	11	Pass
NVNT	n20	5240	Ant2	-0.01	0.79	0.78	11	Pass
NVNT	n40	5190	Ant1	-3.44	1.52	-1.92	11	Pass
NVNT	n40	5230	Ant1	-3.18	1.53	-1.65	11	Pass
NVNT	n40	5190	Ant2	-3.5	1.53	-1.97	11	Pass
NVNT	n40	5230	Ant2	-3.47	1.48	-1.99	11	Pass
NVNT	ac20	5180	Ant1	-0.96	0.8	-0.16	11	Pass
NVNT	ac20	5200	Ant1	-0.05	0.8	0.75	11	Pass
NVNT	ac20	5240	Ant1	0.27	0.75	1.02	11	Pass
NVNT	ac20	5180	Ant2	-1.03	0.8	-0.23	11	Pass
NVNT	ac20	5200	Ant2	-0.33	0.8	0.47	11	Pass
NVNT	ac20	5240	Ant2	-0.29	0.8	0.51	11	Pass
NVNT	ac40	5190	Ant1	-3.44	1.51	-1.93	11	Pass
NVNT	ac40	5230	Ant1	-3.14	1.48	-1.66	11	Pass
NVNT	ac40	5190	Ant2	-3.58	1.5	-2.08	11	Pass
NVNT	ac40	5230	Ant2	-3.45	1.53	-1.92	11	Pass
NVNT	ac80	5210	Ant1	-5.7	2.69	-3.01	11	Pass
NVNT	ac80	5210	Ant2	-6.03	2.7	-3.33	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



PSD NVNT a 5200MHz Ant1

