

5.2G WIFI

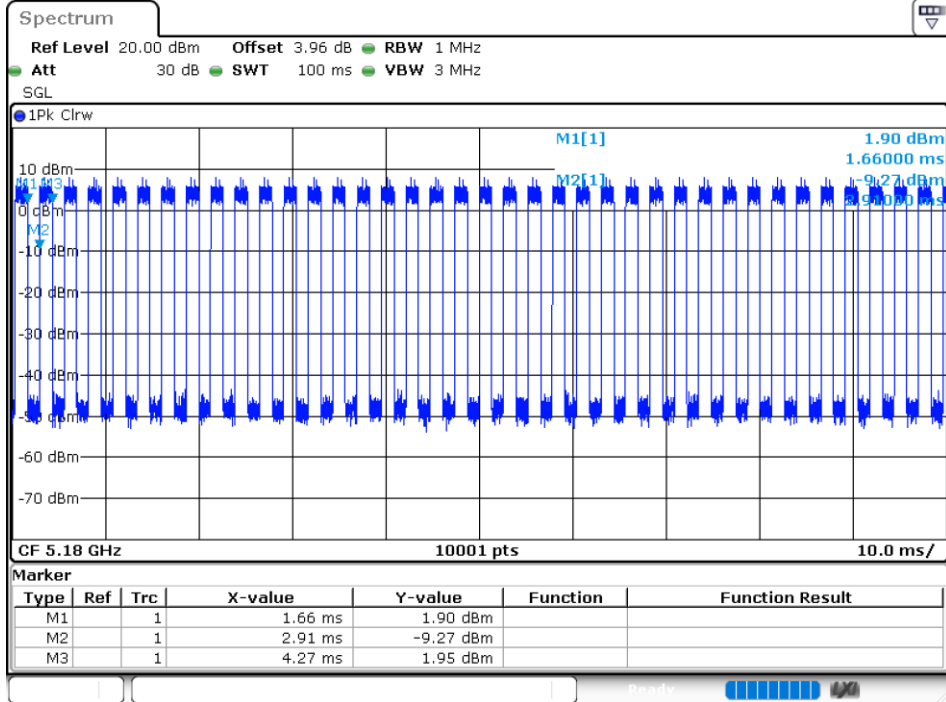
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	52.52	2.8	0.74
NVNT	a	5200	Ant1	52.65	2.79	0.74
NVNT	a	5240	Ant1	52.09	2.83	0.74
NVNT	a	5180	Ant2	52.59	2.79	0.74
NVNT	a	5200	Ant2	52.3	2.81	0.73
NVNT	a	5240	Ant2	52.19	2.82	0.74
NVNT	n20	5180	Ant1	51.28	2.9	0.79
NVNT	n20	5200	Ant1	50.51	2.97	0.79
NVNT	n20	5240	Ant1	51.33	2.9	0.79
NVNT	n20	5180	Ant2	50.58	2.96	0.79
NVNT	n20	5200	Ant2	50.33	2.98	0.79
NVNT	n20	5240	Ant2	50.92	2.93	0.79
NVNT	n40	5190	Ant1	34.21	4.66	1.59
NVNT	n40	5230	Ant1	34.08	4.68	1.59
NVNT	n40	5190	Ant2	34.12	4.67	1.59
NVNT	n40	5230	Ant2	34.13	4.67	1.59
NVNT	ac20	5180	Ant1	50.36	2.98	0.78
NVNT	ac20	5200	Ant1	51.47	2.88	0.78
NVNT	ac20	5240	Ant1	51.09	2.92	0.79
NVNT	ac20	5180	Ant2	50.86	2.94	0.78
NVNT	ac20	5200	Ant2	50.42	2.97	0.78
NVNT	ac20	5240	Ant2	51.44	2.89	0.78
NVNT	ac40	5190	Ant1	34.18	4.66	1.56
NVNT	ac40	5230	Ant1	33.74	4.72	1.59
NVNT	ac40	5190	Ant2	34.19	4.66	1.56
NVNT	ac40	5230	Ant2	34.32	4.64	1.56
NVNT	ac80	5210	Ant1	20.9	6.8	3.12
NVNT	ac80	5210	Ant2	20.76	6.83	3.23
NVNT	ac160	5250	Ant1	13.38	8.74	5.26
NVNT	ac160	5250	Ant2	12.91	8.89	12.5
NVNT	ax160	5250	Ant1	14.34	8.43	5
NVNT	ax160	5250	Ant2	14.55	8.37	5
NVNT	ax20	5180	Ant1	48.36	3.16	0.85
NVNT	ax20	5200	Ant1	48.74	3.12	0.85
NVNT	ax20	5240	Ant1	48.47	3.15	0.85

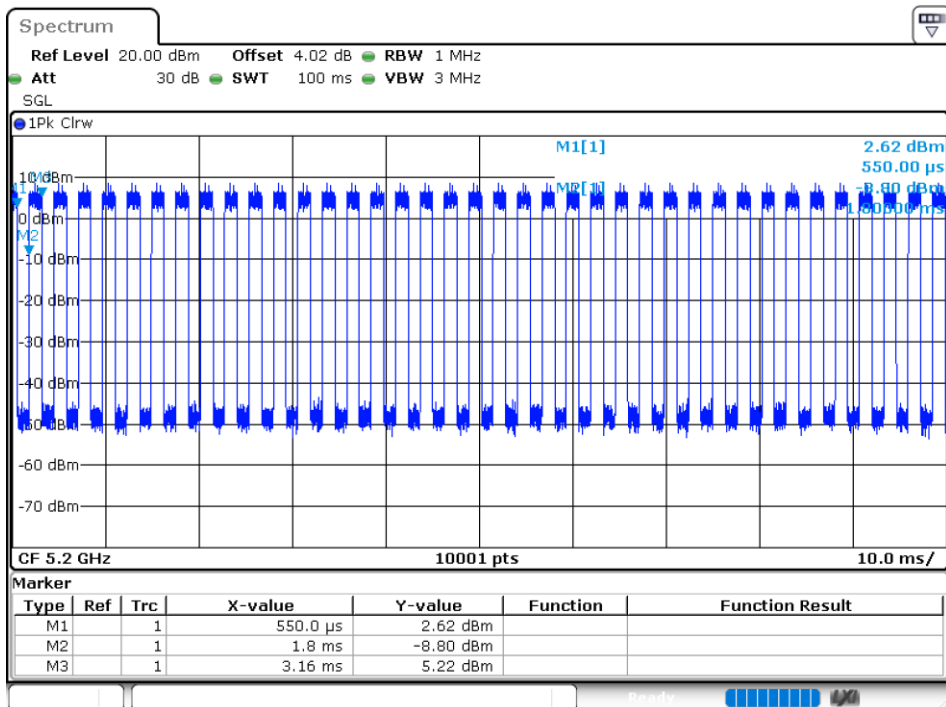
NVNT	ax20	5180	Ant2	48.36	3.16	0.85
NVNT	ax20	5200	Ant2	48.9	3.11	0.86
NVNT	ax20	5240	Ant2	48.36	3.16	0.86
NVNT	ax40	5190	Ant1	33.67	4.73	1.61
NVNT	ax40	5230	Ant1	33.29	4.78	1.61
NVNT	ax40	5190	Ant2	33.35	4.77	1.61
NVNT	ax40	5230	Ant2	33.9	4.7	1.61
NVNT	ax80	5210	Ant1	21.64	6.65	3.03
NVNT	ax80	5210	Ant2	21.64	6.65	3.03

Test Graphs

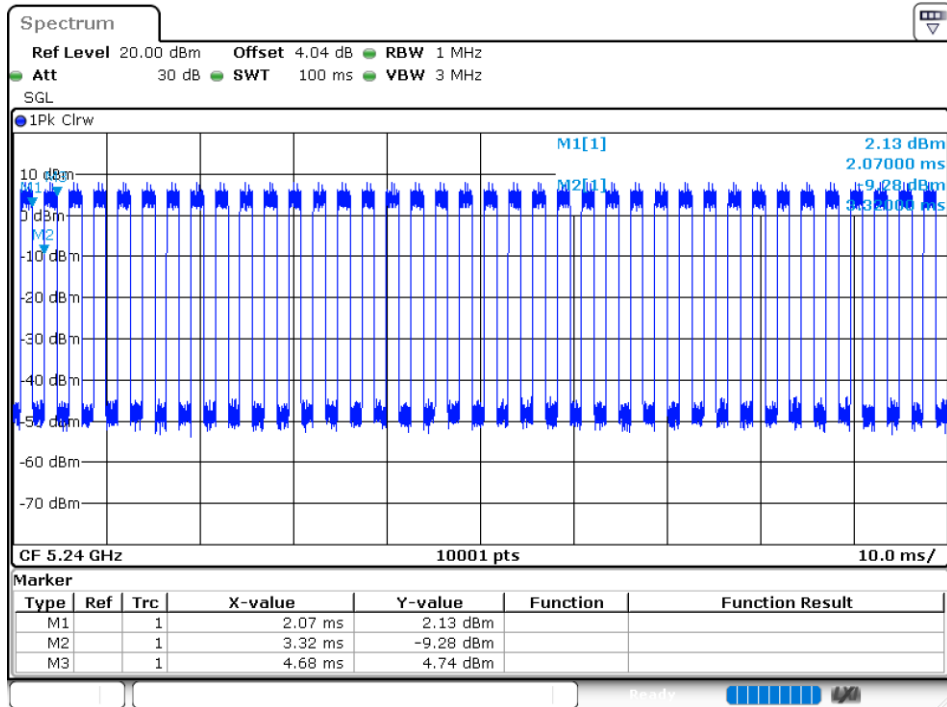
Duty Cycle NVNT a 5180MHz Ant1



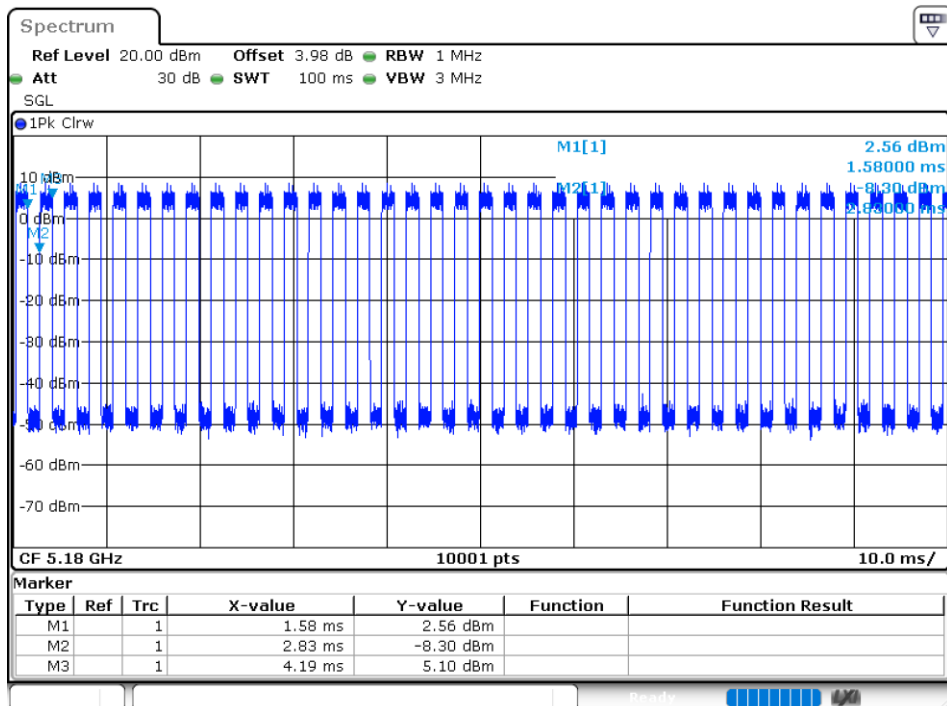
Duty Cycle NVNT a 5200MHz Ant1



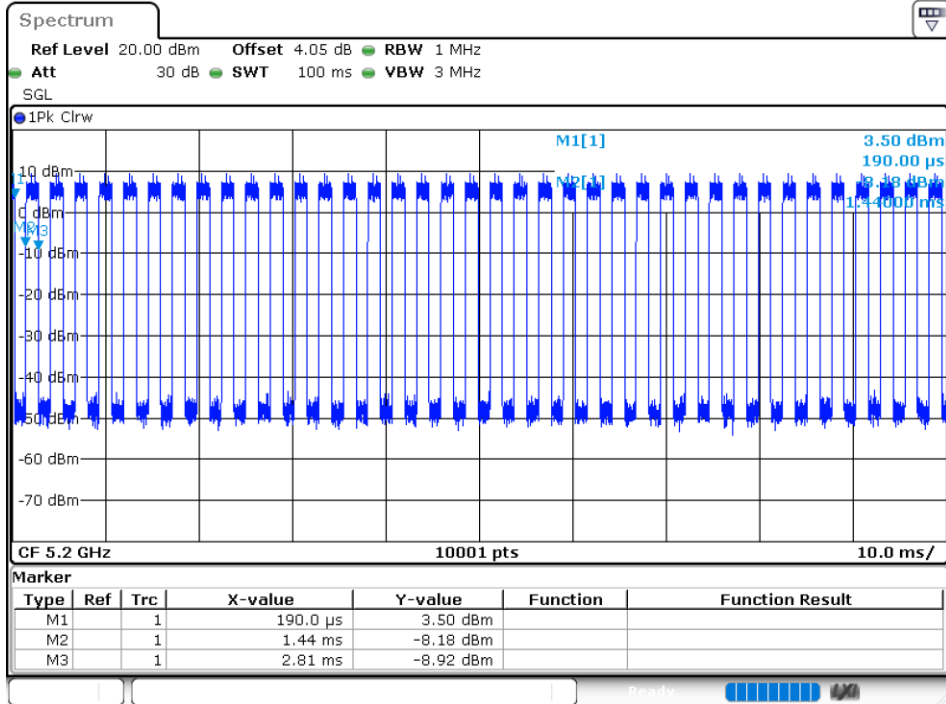
Duty Cycle NVNT a 5240MHz Ant1



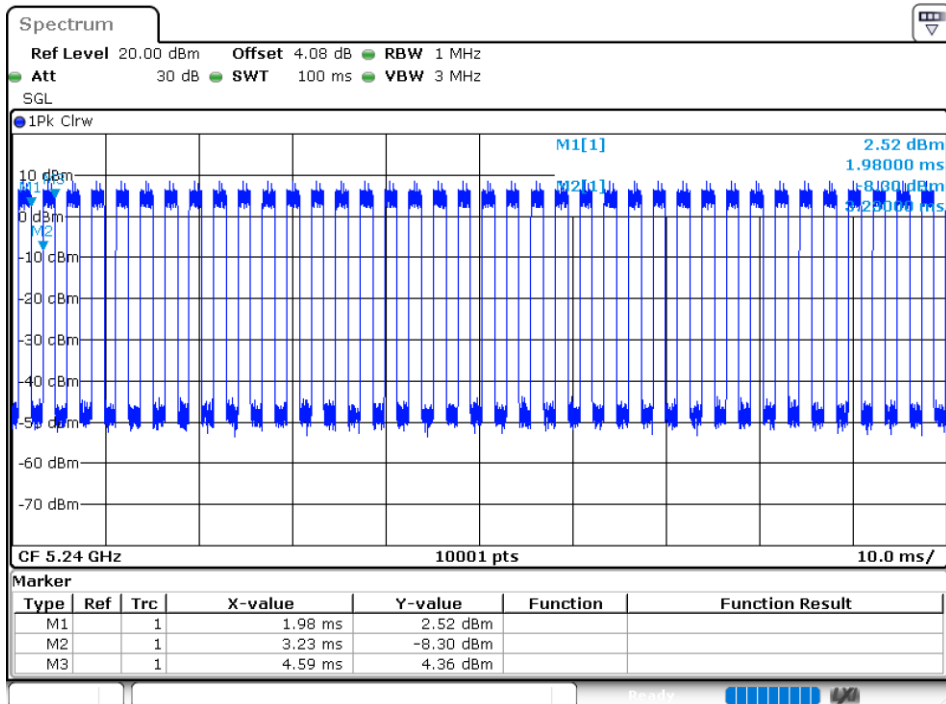
Duty Cycle NVNT a 5180MHz Ant2

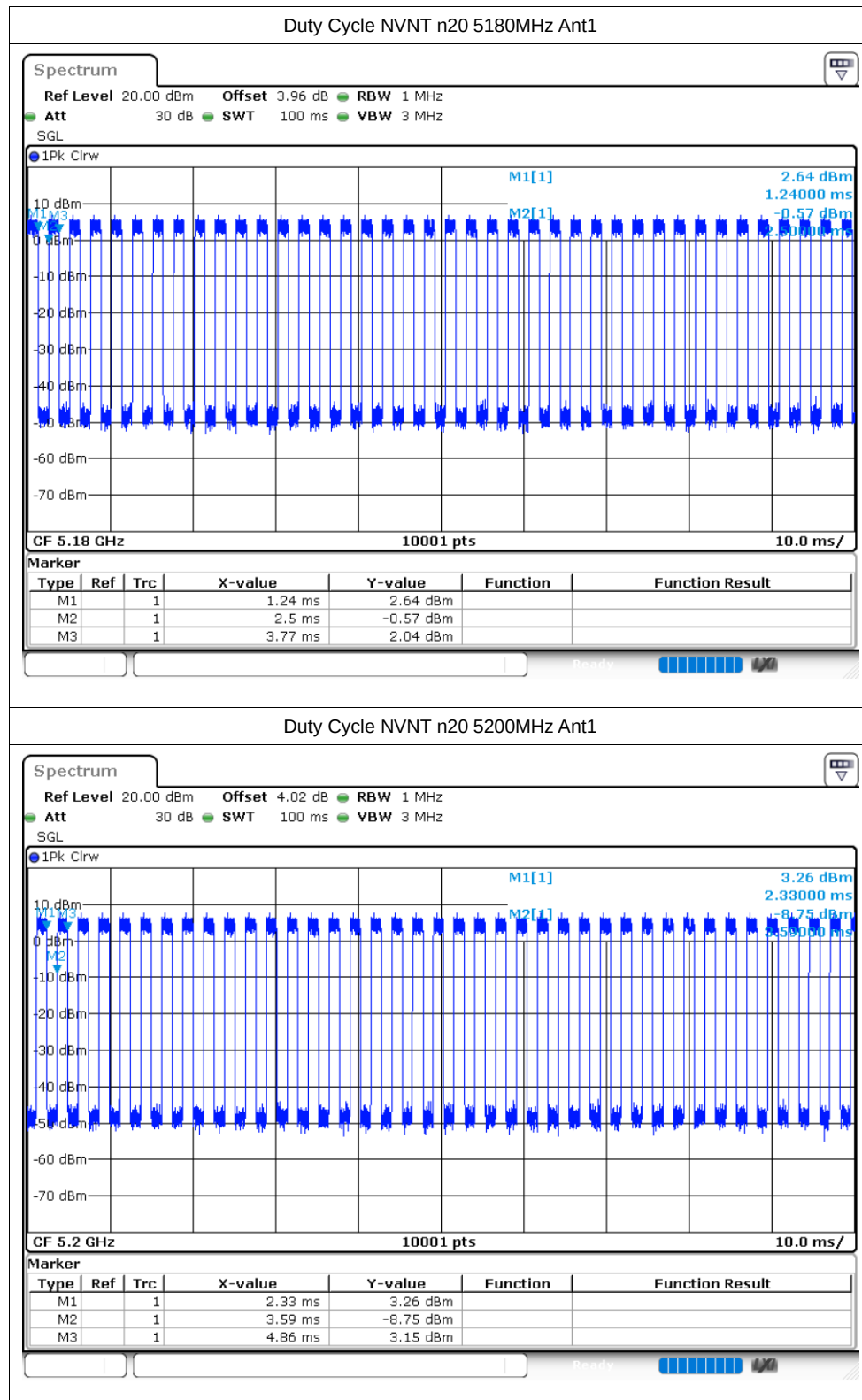


Duty Cycle NVNT a 5200MHz Ant2

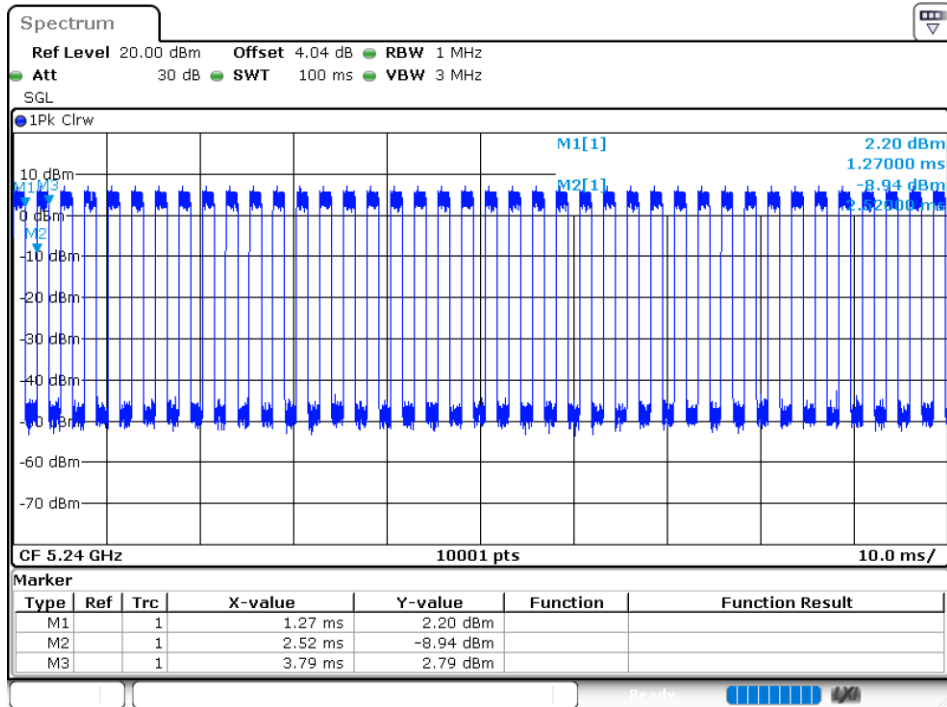


Duty Cycle NVNT a 5240MHz Ant2

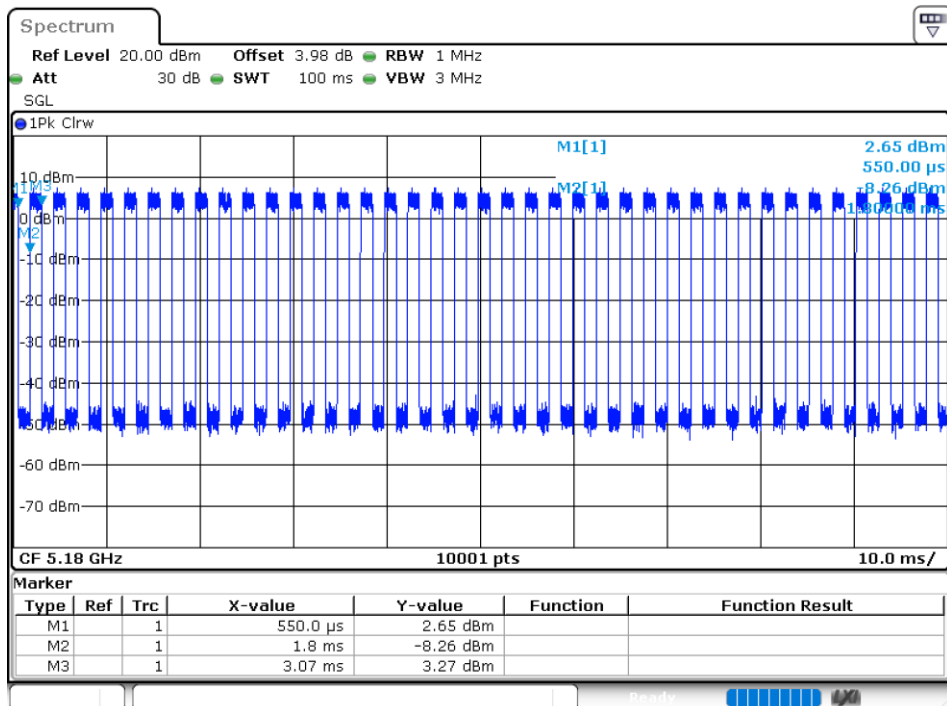


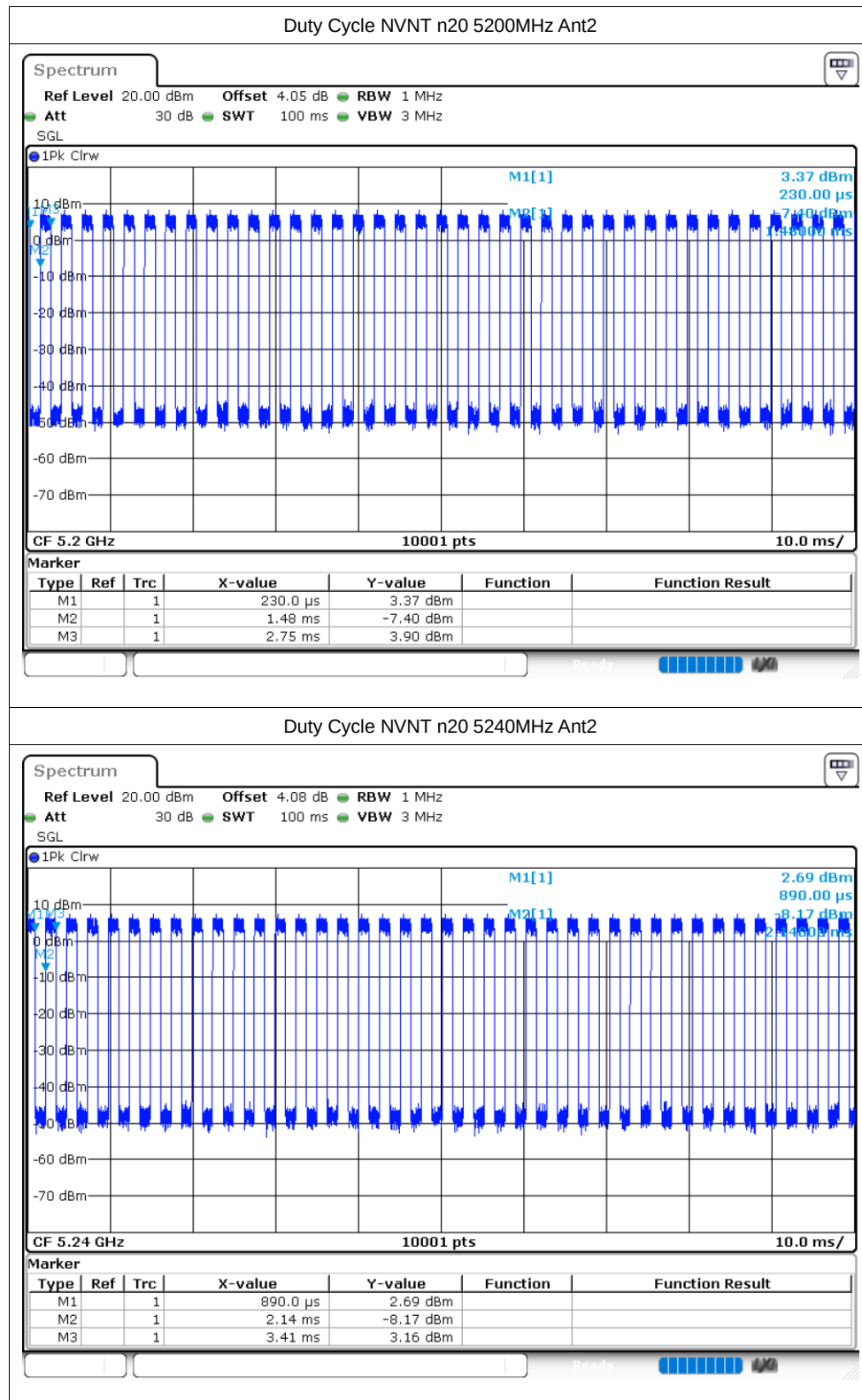


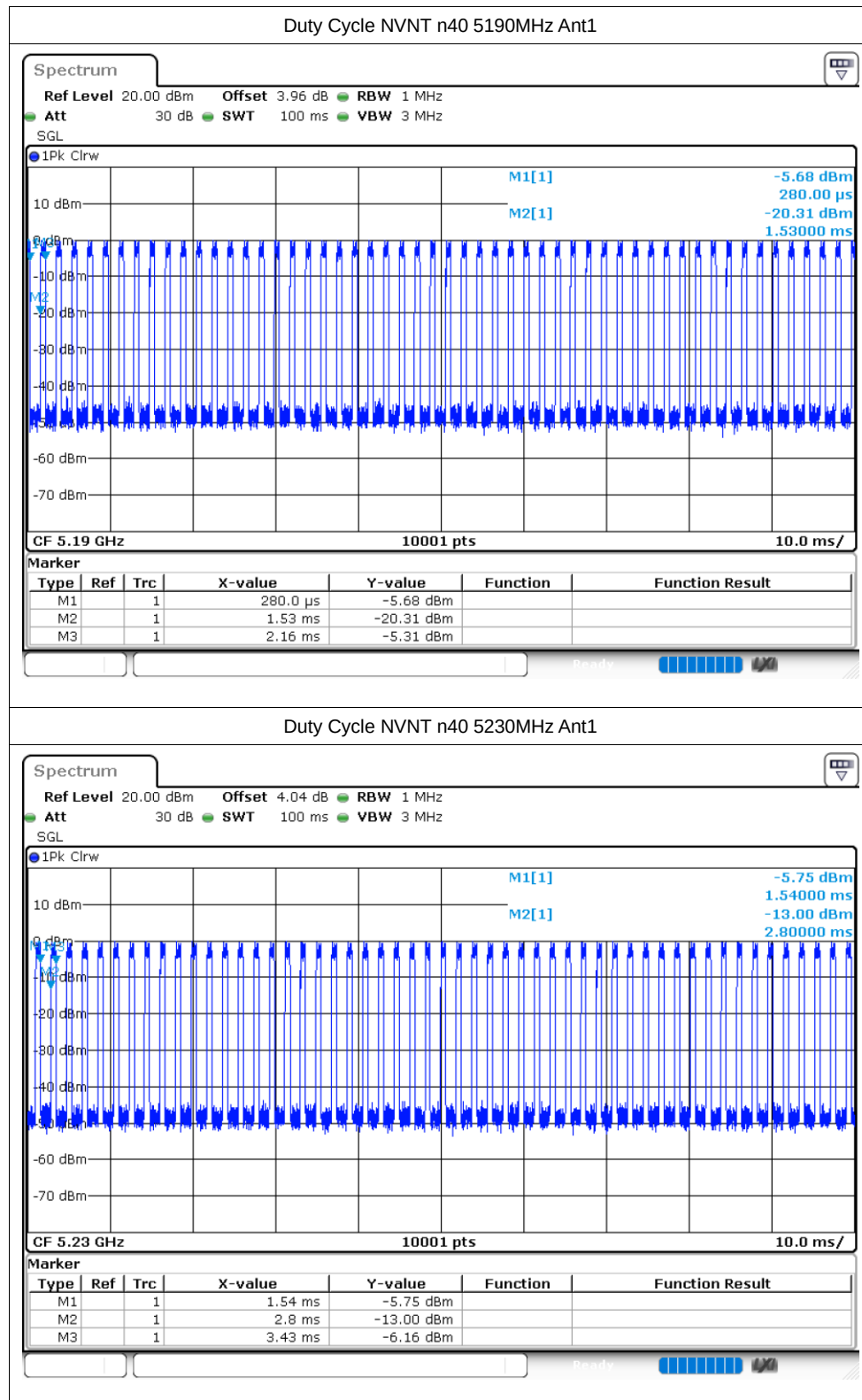
Duty Cycle NVNT n20 5240MHz Ant1

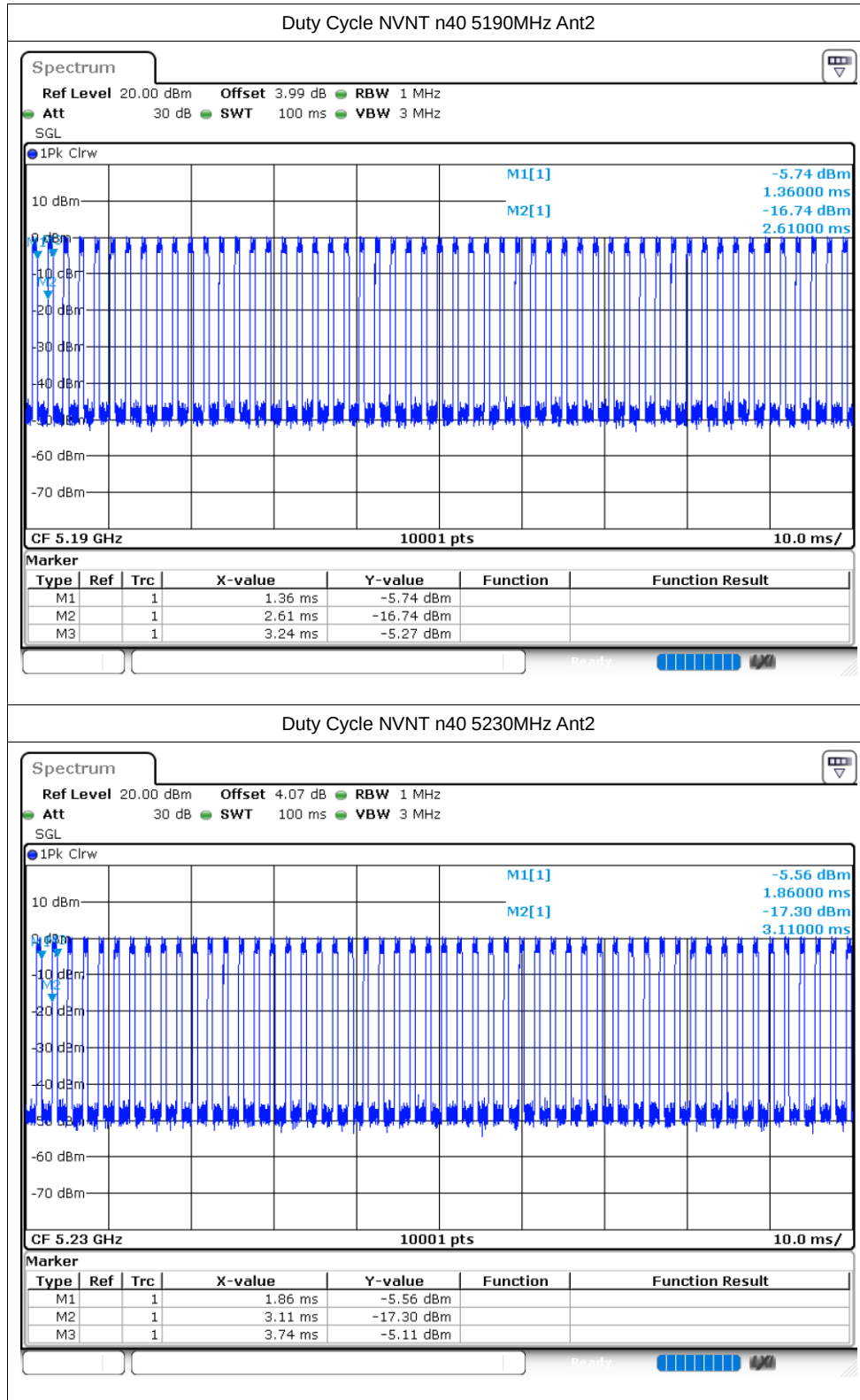


Duty Cycle NVNT n20 5180MHz Ant2

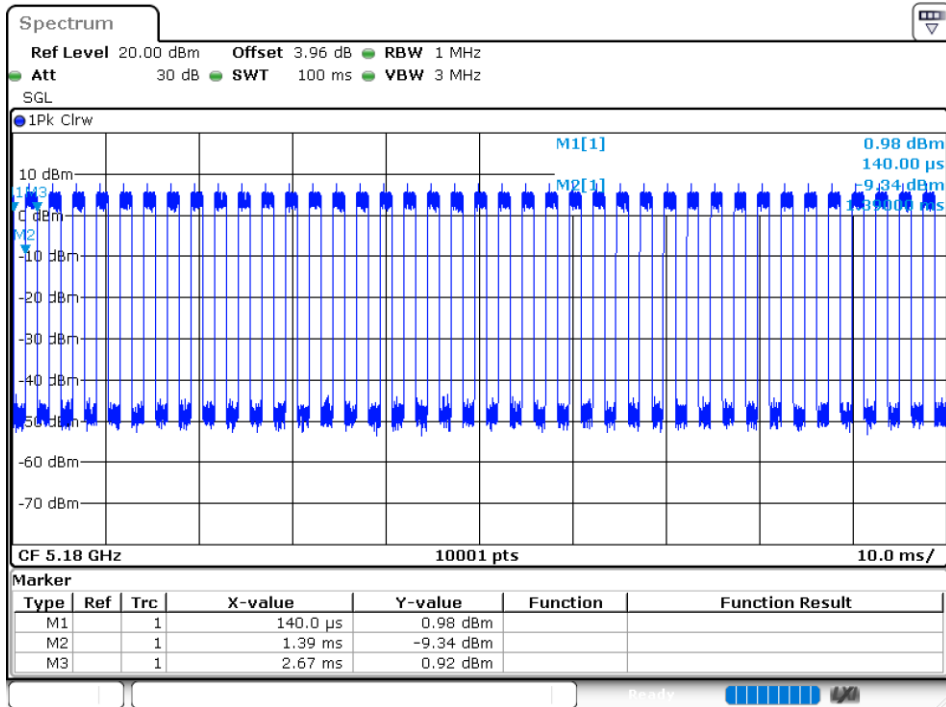




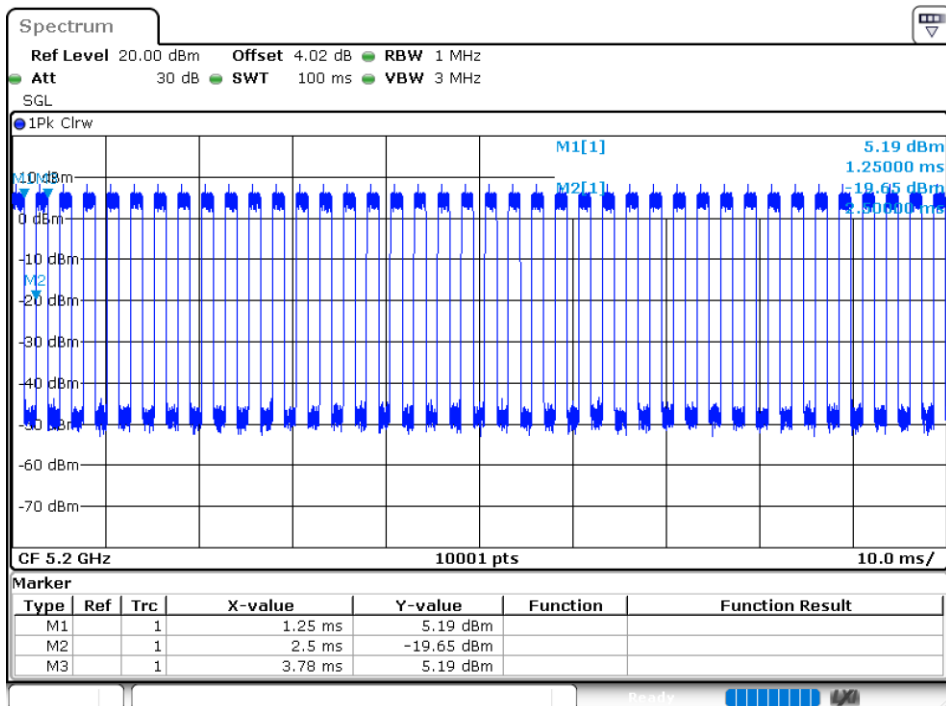




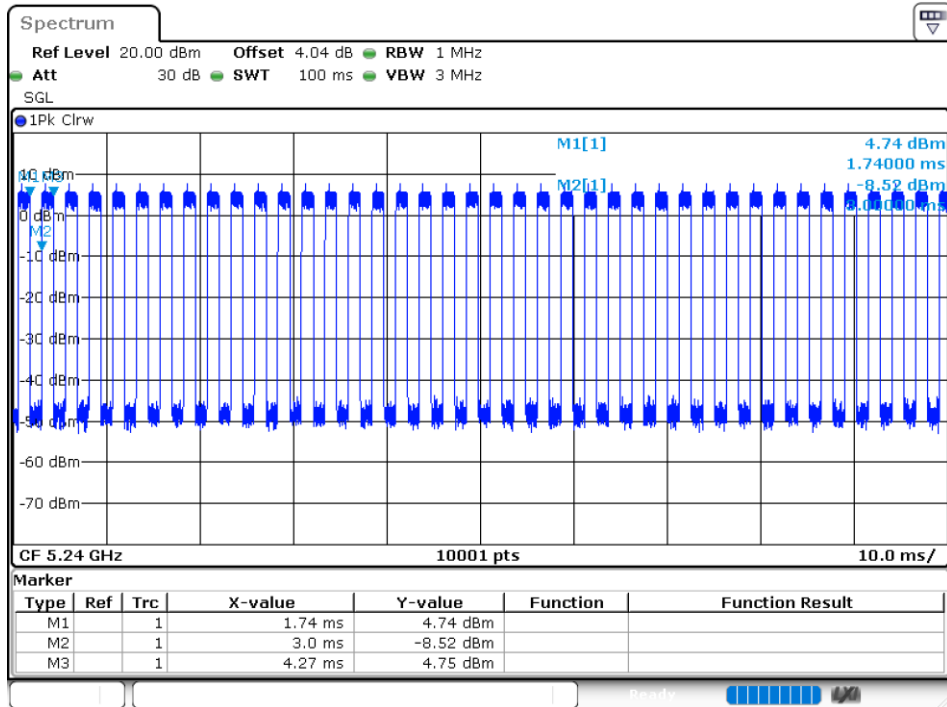
Duty Cycle NVNT ac20 5180MHz Ant1



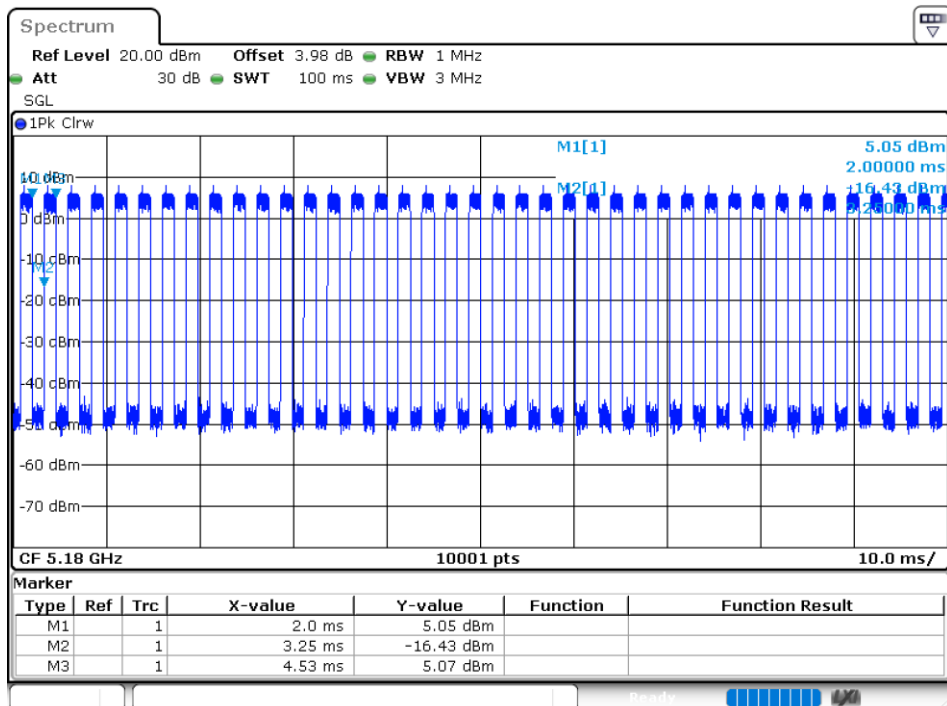
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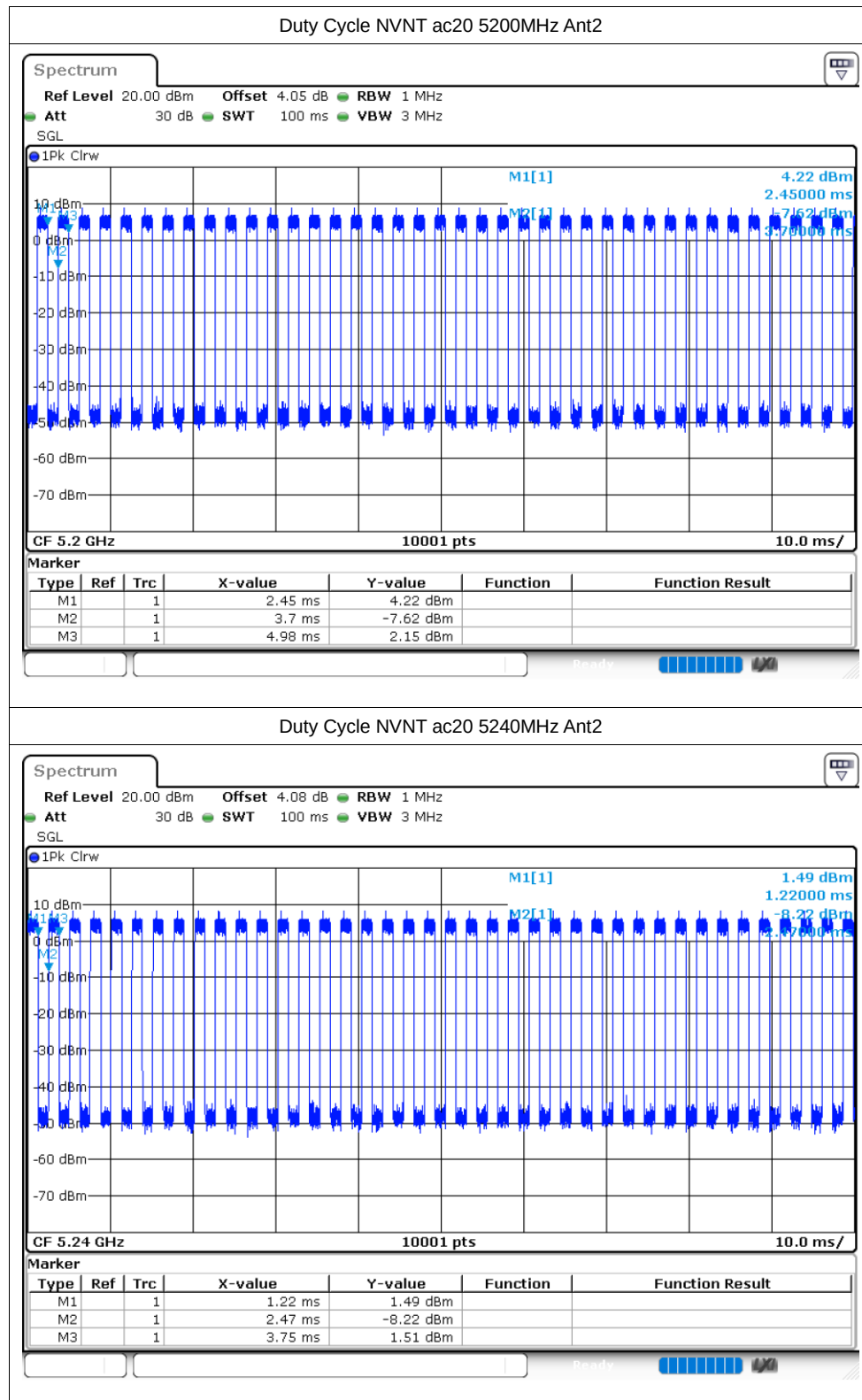


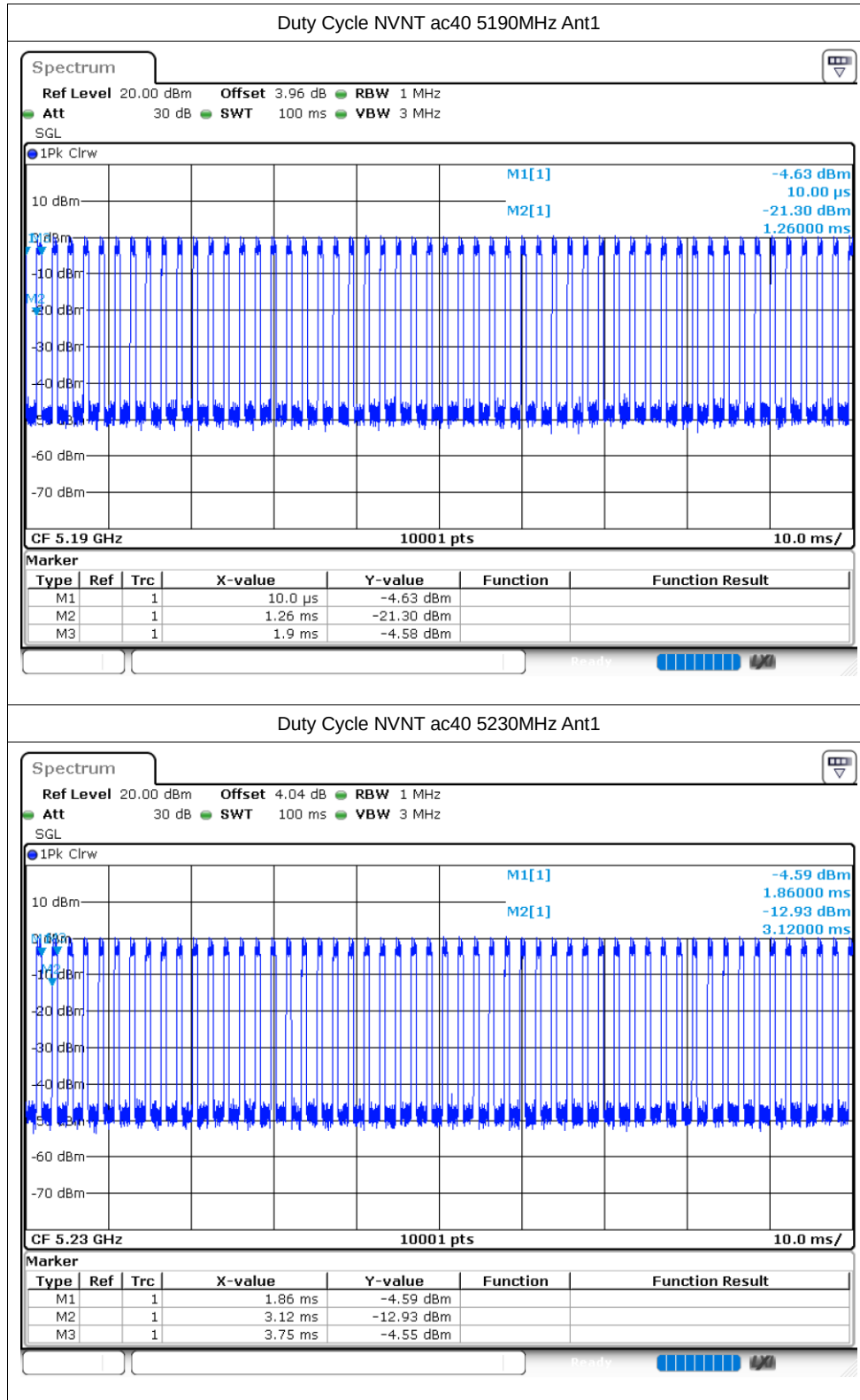
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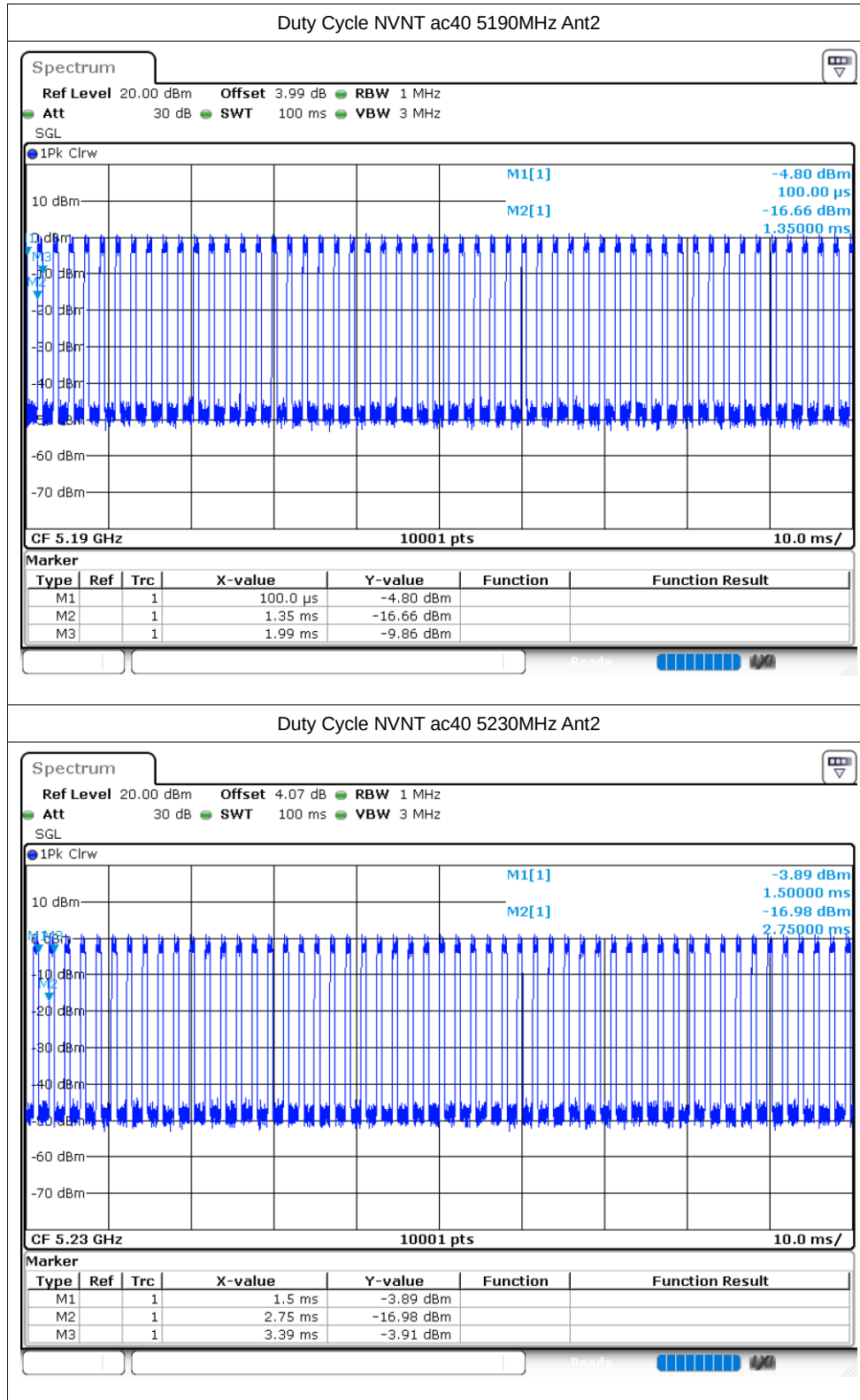


Duty Cycle NVNT ac20 5180MHz Ant2

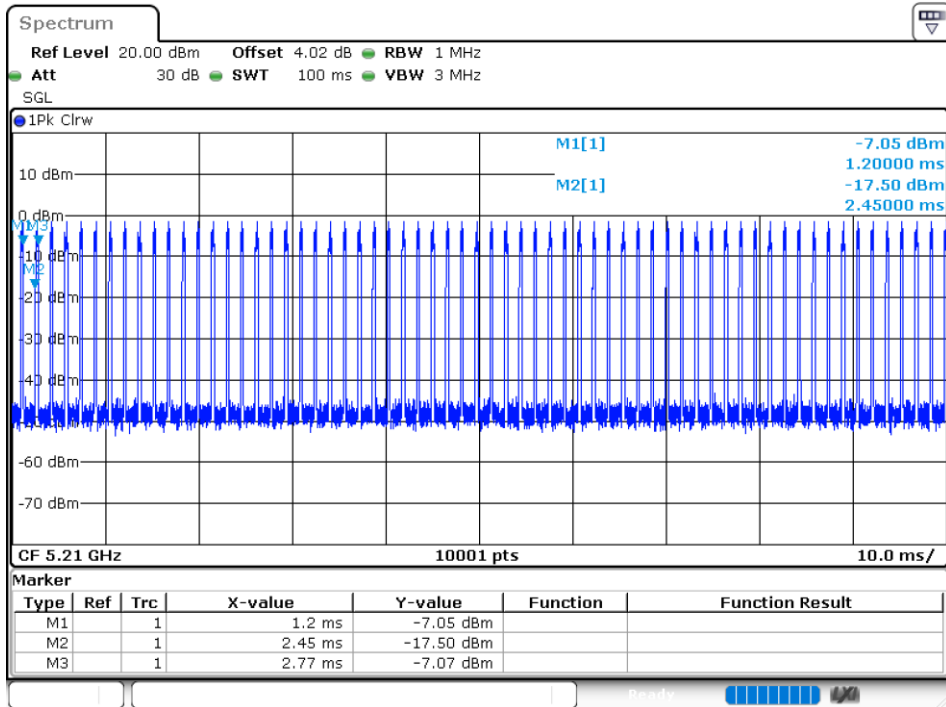




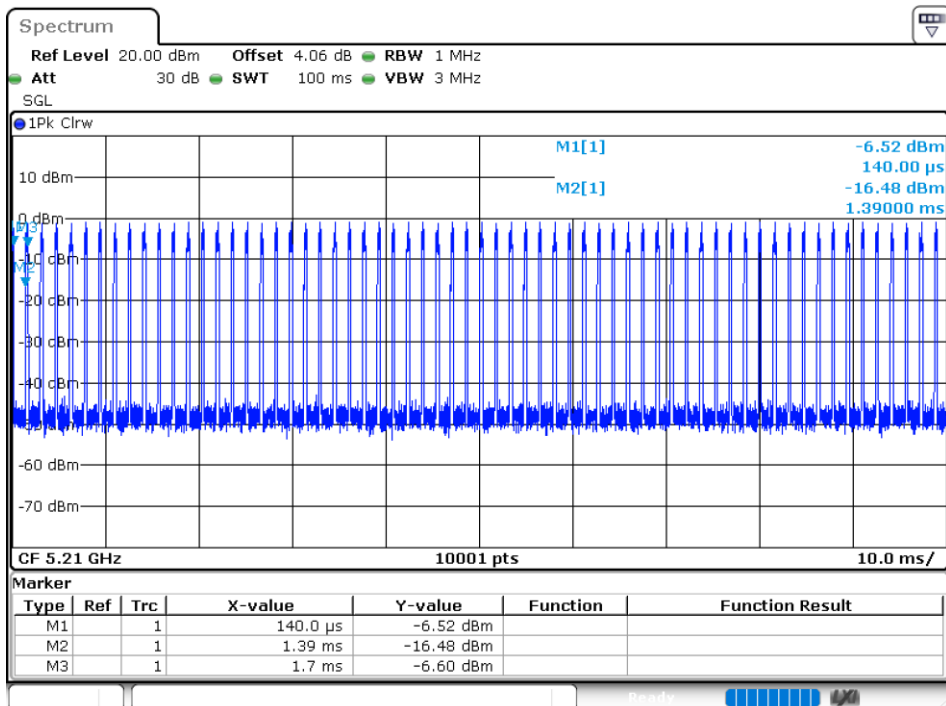


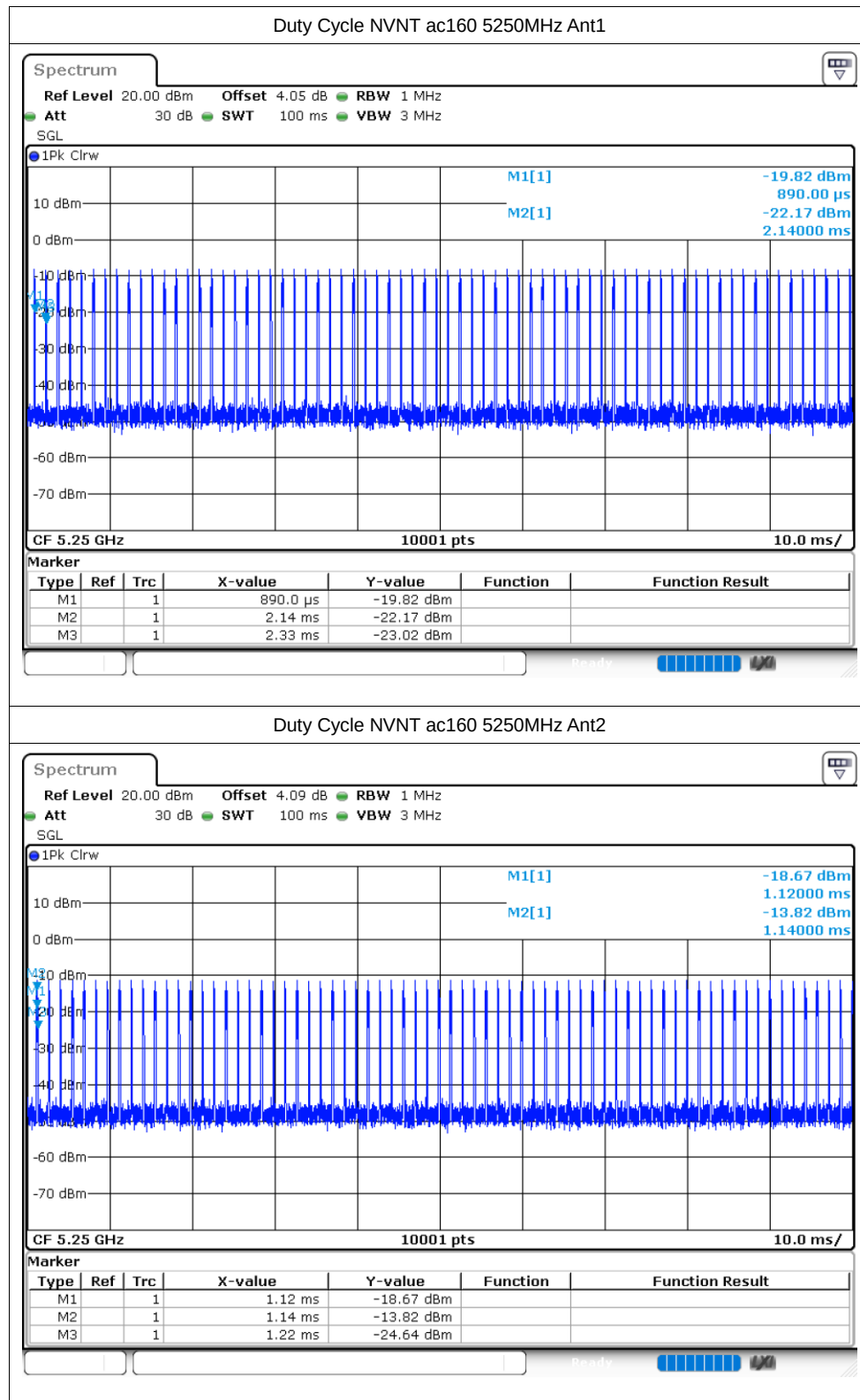


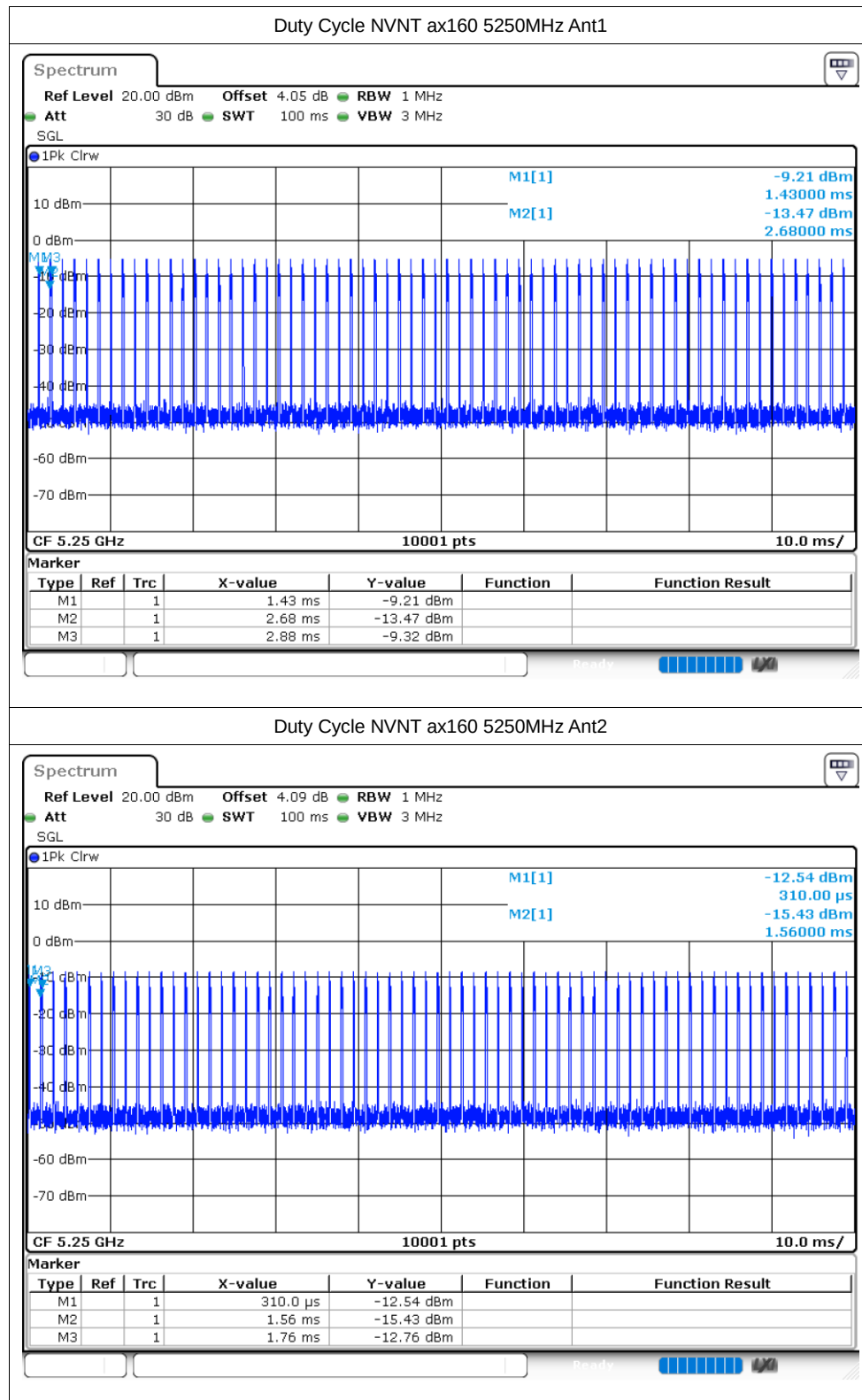
Duty Cycle NVNT ac80 5210MHz Ant1



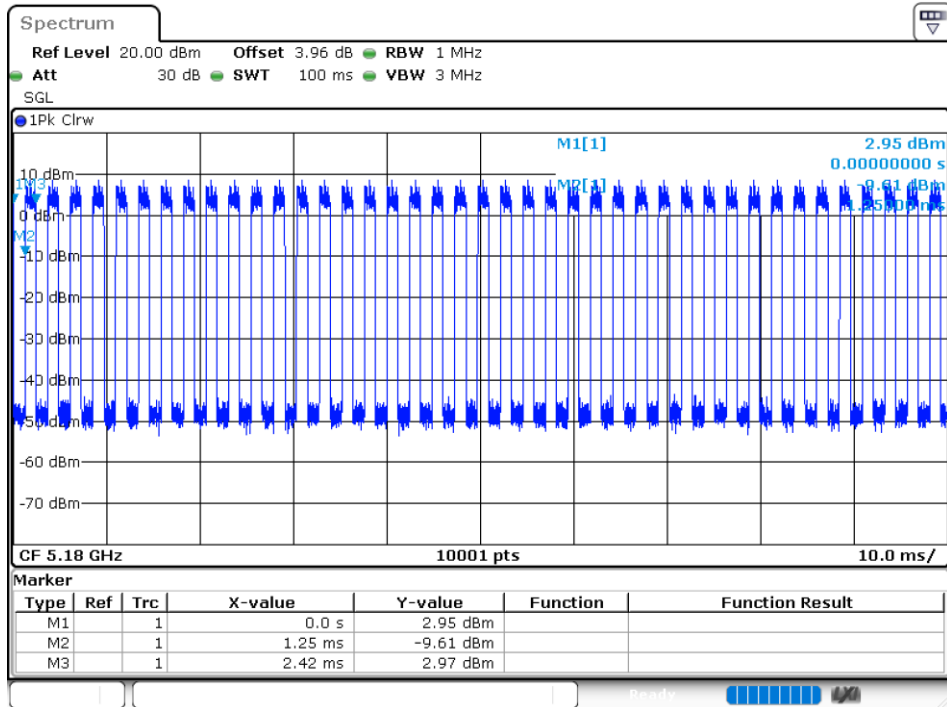
Duty Cycle NVNT ac80 5210MHz Ant2



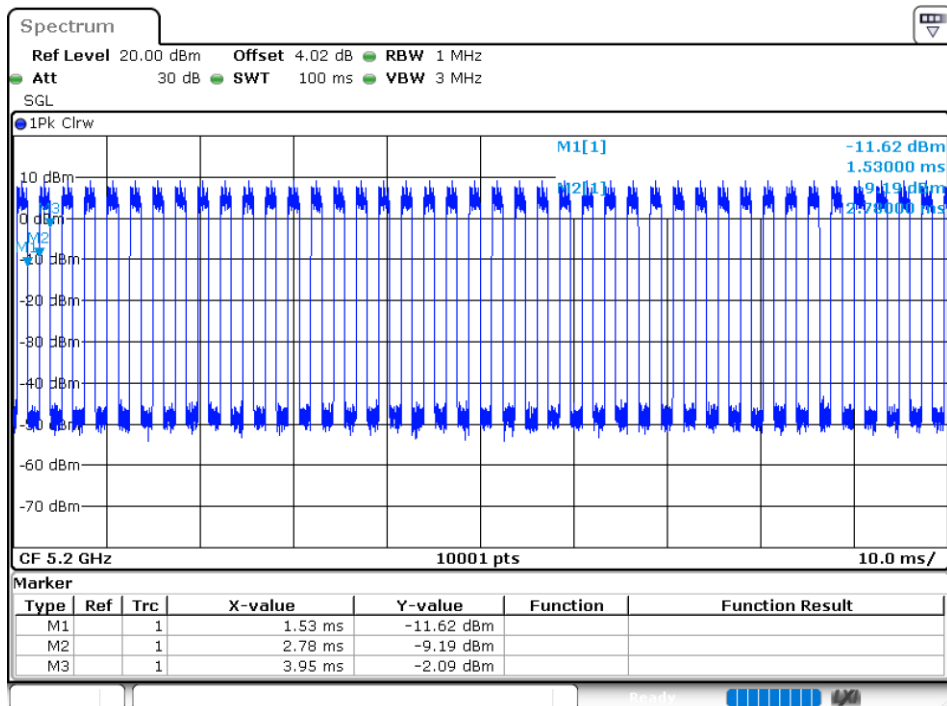




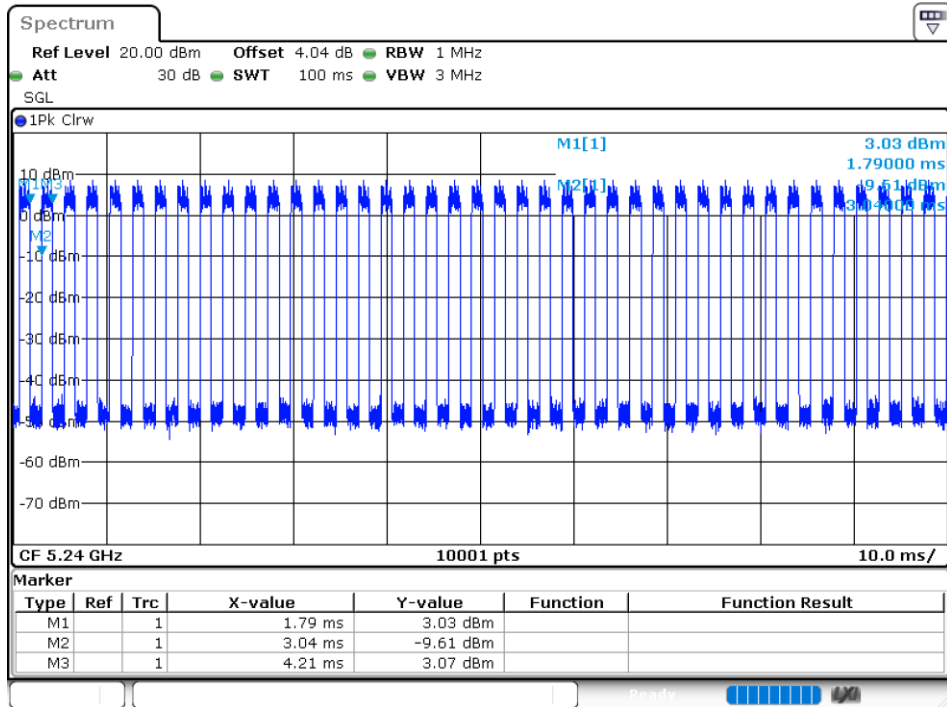
Duty Cycle NVNT ax20 5180MHz Ant1



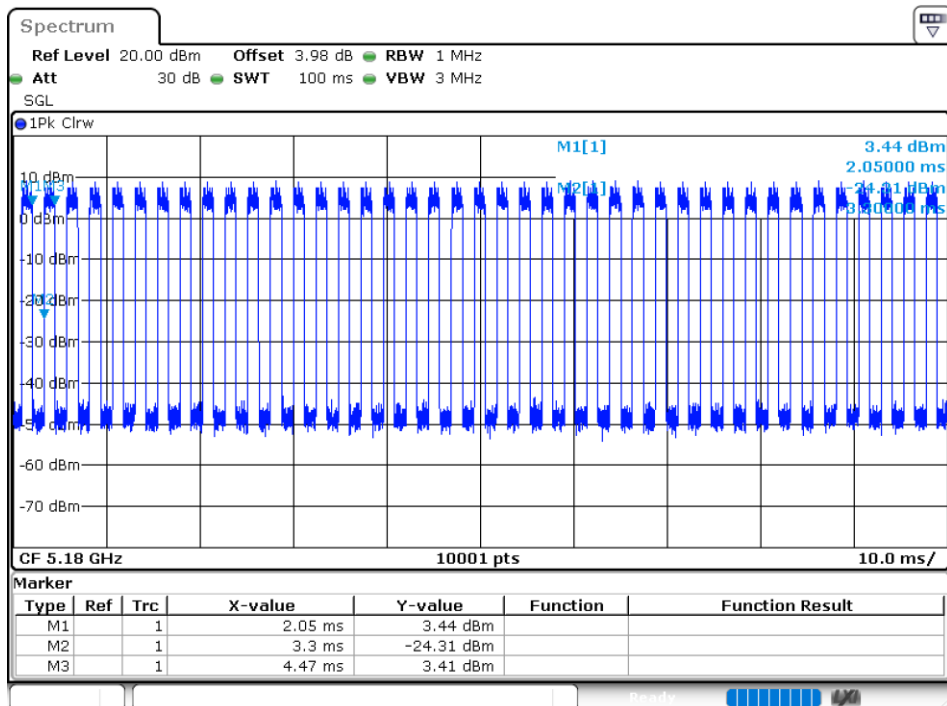
Duty Cycle NVNT ax20 5200MHz Ant1

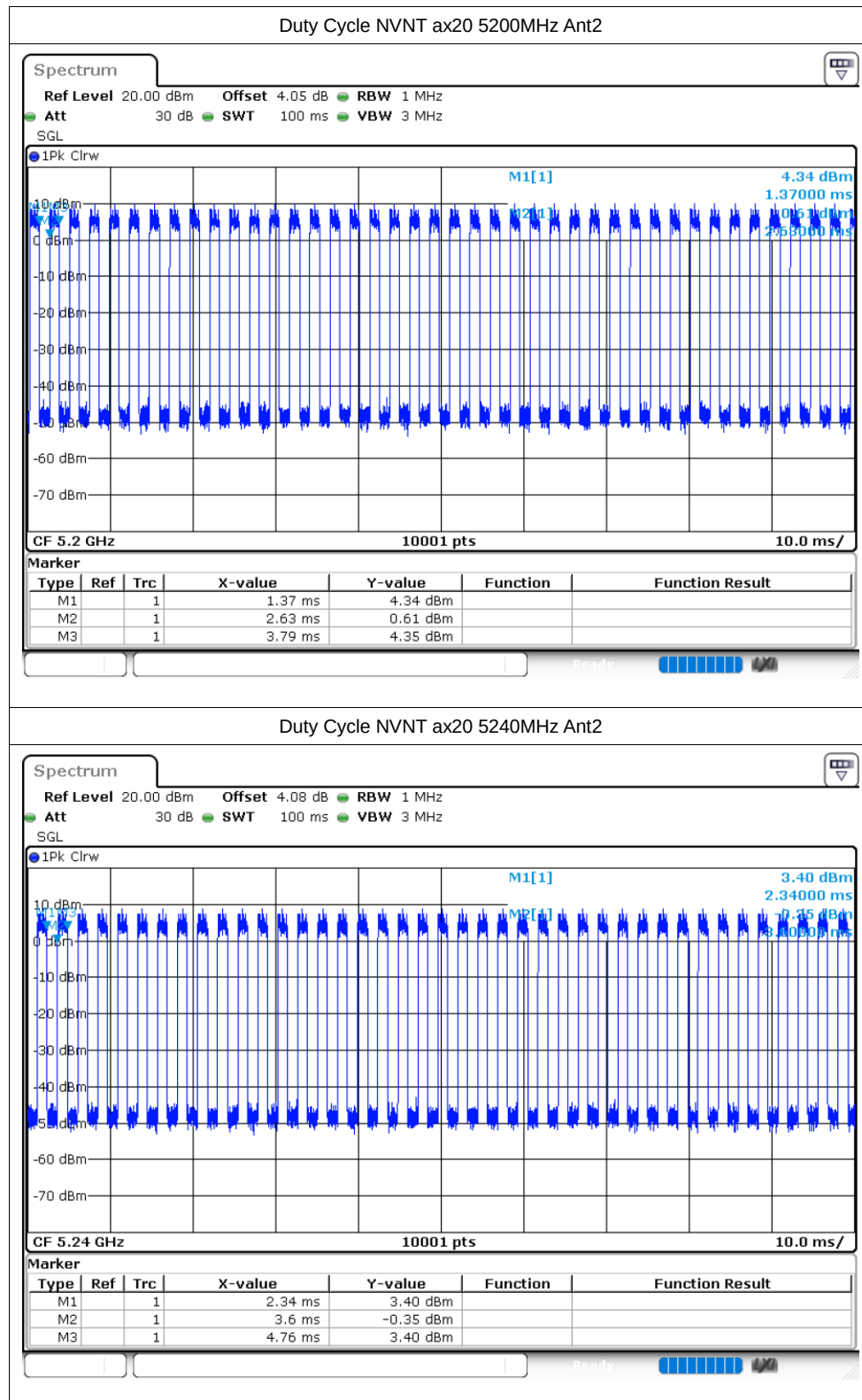


Duty Cycle NVNT ax20 5240MHz Ant1

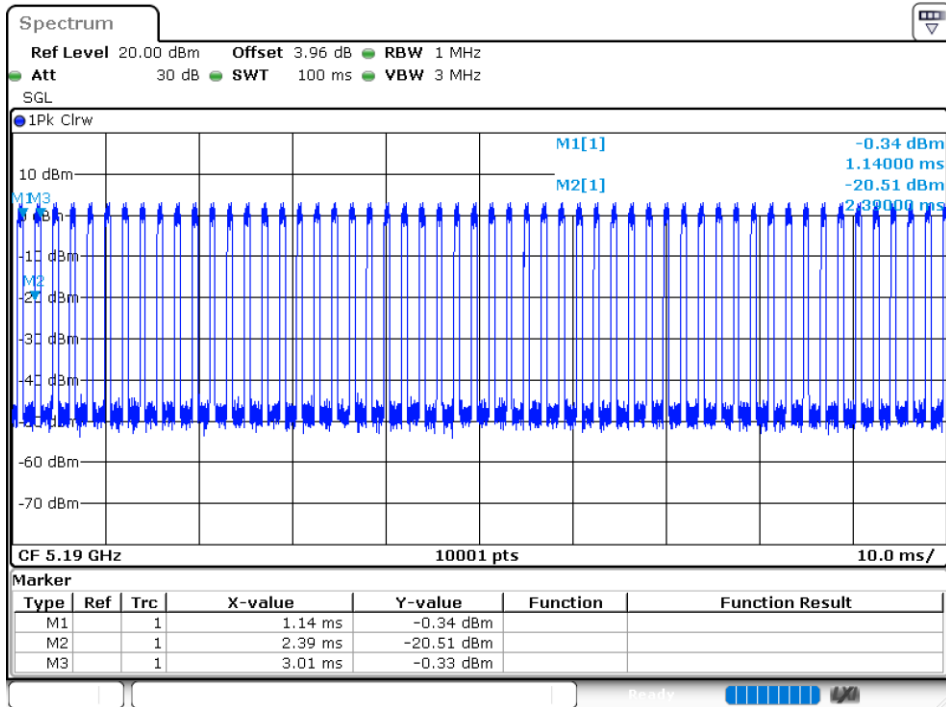


Duty Cycle NVNT ax20 5180MHz Ant2

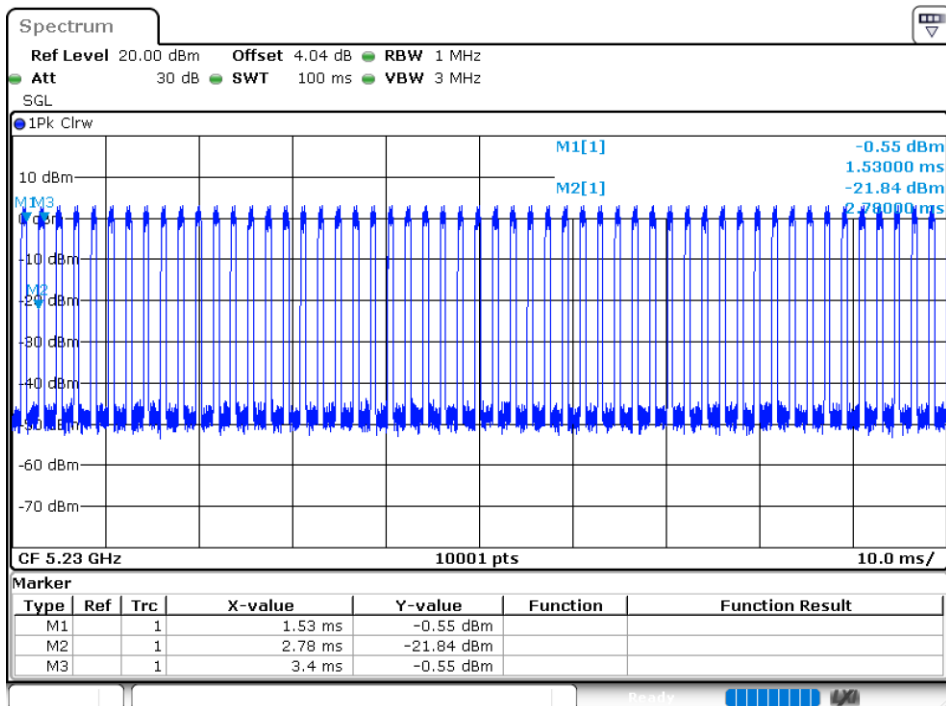




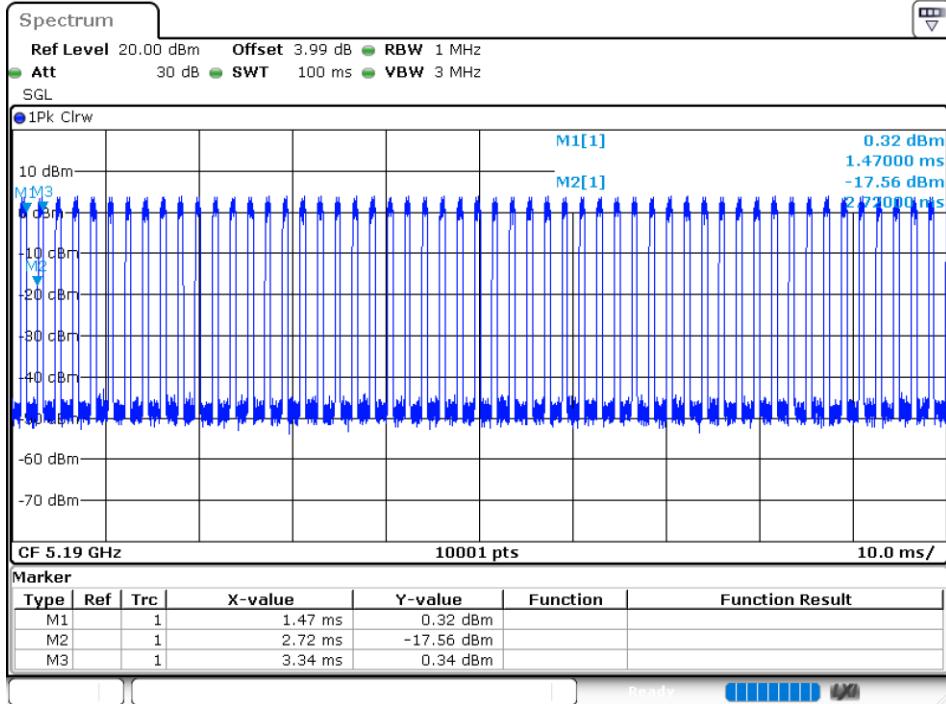
Duty Cycle NVNT ax40 5190MHz Ant1



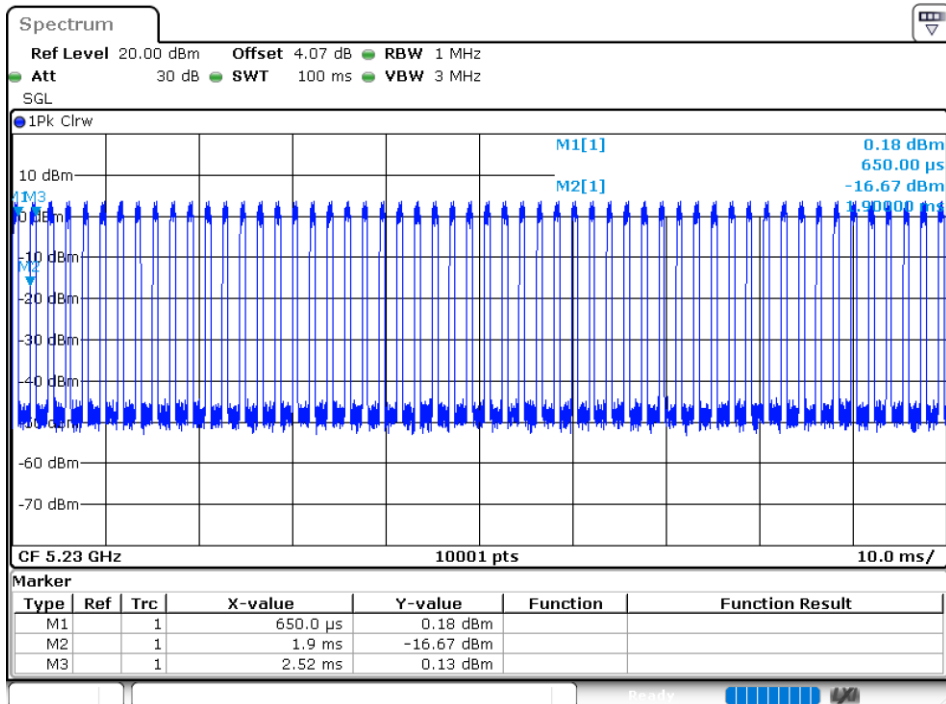
Duty Cycle NVNT ax40 5230MHz Ant1



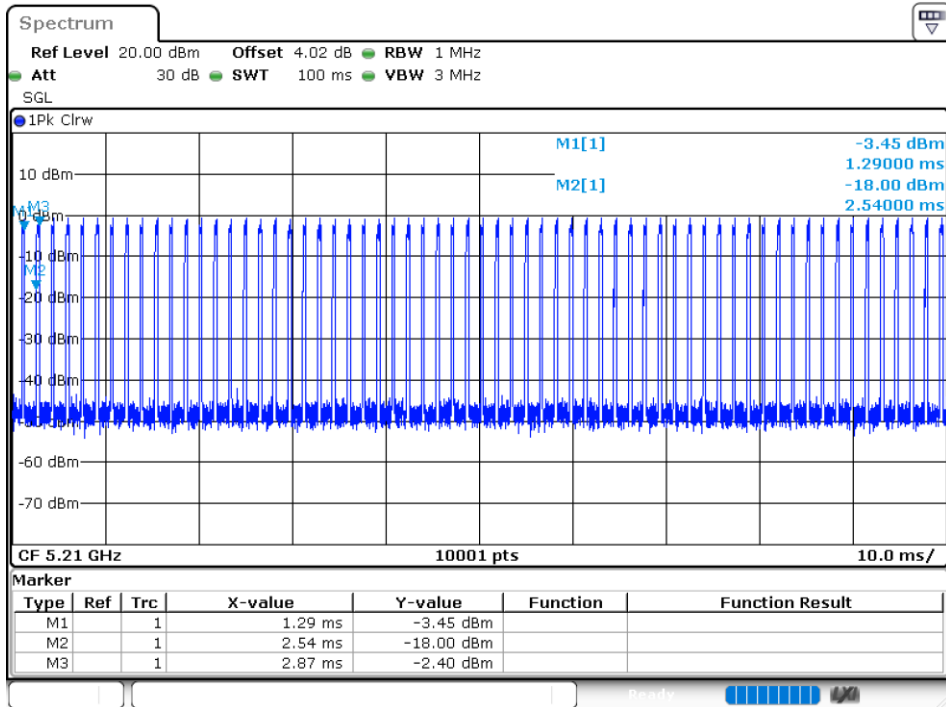
Duty Cycle NVNT ax40 5190MHz Ant2



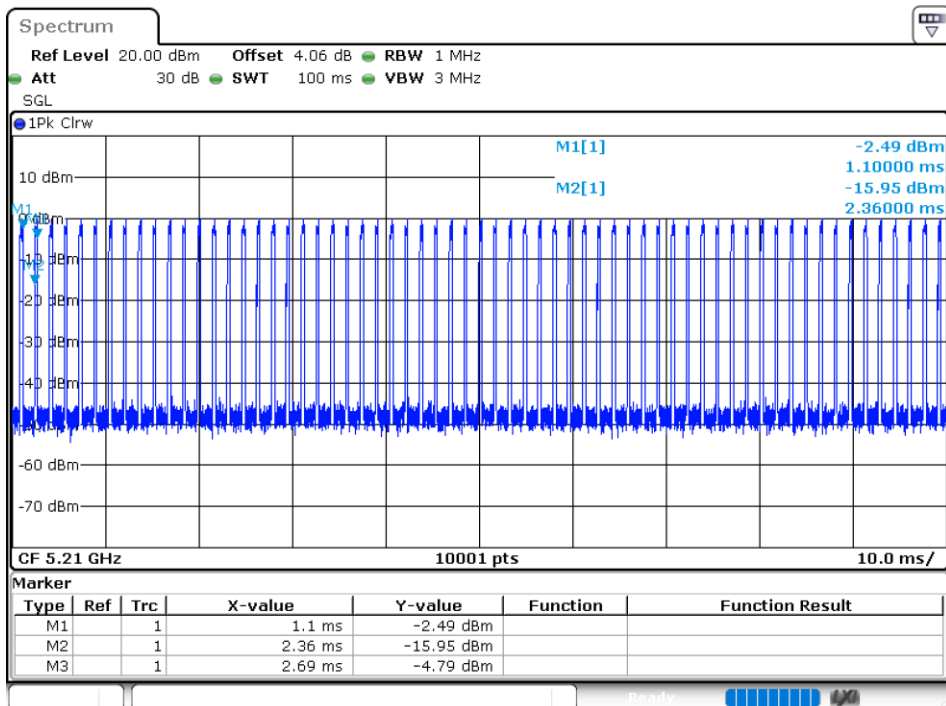
Duty Cycle NVNT ax40 5230MHz Ant2



Duty Cycle NVNT ax80 5210MHz Ant1



Duty Cycle NVNT ax80 5210MHz Ant2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.46	24	Pass
NVNT	a	5200	Ant1	12.95	24	Pass
NVNT	a	5240	Ant1	12.41	24	Pass
NVNT	a	5180	Ant2	13.72	24	Pass
NVNT	a	5200	Ant2	13.76	24	Pass
NVNT	a	5240	Ant2	13.42	24	Pass
NVNT	n20	5180	Ant1	12.81	24	Pass
NVNT	n20	5200	Ant1	12.5	24	Pass
NVNT	n20	5240	Ant1	12.39	24	Pass
NVNT	n20	5180	Ant2	13.69	24	Pass
NVNT	n20	5200	Ant2	13.72	24	Pass
NVNT	n20	5240	Ant2	13.4	24	Pass
NVNT	n40	5190	Ant1	12.63	24	Pass
NVNT	n40	5230	Ant1	12.28	24	Pass
NVNT	n40	5190	Ant2	13.61	24	Pass
NVNT	n40	5230	Ant2	13.4	24	Pass
NVNT	ac20	5180	Ant1	12.51	24	Pass
NVNT	ac20	5200	Ant1	12.66	24	Pass
NVNT	ac20	5240	Ant1	12.24	24	Pass
NVNT	ac20	5180	Ant2	13.52	24	Pass
NVNT	ac20	5200	Ant2	13.69	24	Pass
NVNT	ac20	5240	Ant2	13.48	24	Pass
NVNT	ac40	5190	Ant1	12.44	24	Pass
NVNT	ac40	5230	Ant1	12.14	24	Pass
NVNT	ac40	5190	Ant2	13.5	24	Pass
NVNT	ac40	5230	Ant2	13.42	24	Pass
NVNT	ac80	5210	Ant1	12.19	24	Pass
NVNT	ac80	5210	Ant2	13.57	24	Pass
NVNT	ac160	5250	Ant1	13.81	24	Pass
NVNT	ac160	5250	Ant2	13.07	24	Pass
NVNT	ax160	5250	Ant1	13.47	24	Pass
NVNT	ax160	5250	Ant2	12.88	24	Pass
NVNT	ax20	5180	Ant1	12.4	24	Pass
NVNT	ax20	5200	Ant1	12.45	24	Pass
NVNT	ax20	5240	Ant1	12.15	24	Pass
NVNT	ax20	5180	Ant2	13.65	24	Pass
NVNT	ax20	5200	Ant2	13.78	24	Pass
NVNT	ax20	5240	Ant2	13.47	24	Pass
NVNT	ax40	5190	Ant1	12.58	24	Pass
NVNT	ax40	5230	Ant1	12.37	24	Pass

NVNT	ax40	5190	Ant2	13.73	24	Pass
NVNT	ax40	5230	Ant2	13.44	24	Pass
NVNT	ax80	5210	Ant1	12.39	24	Pass
NVNT	ax80	5210	Ant2	13.63	24	Pass

Note: The Duty Cycle factor has already been included.

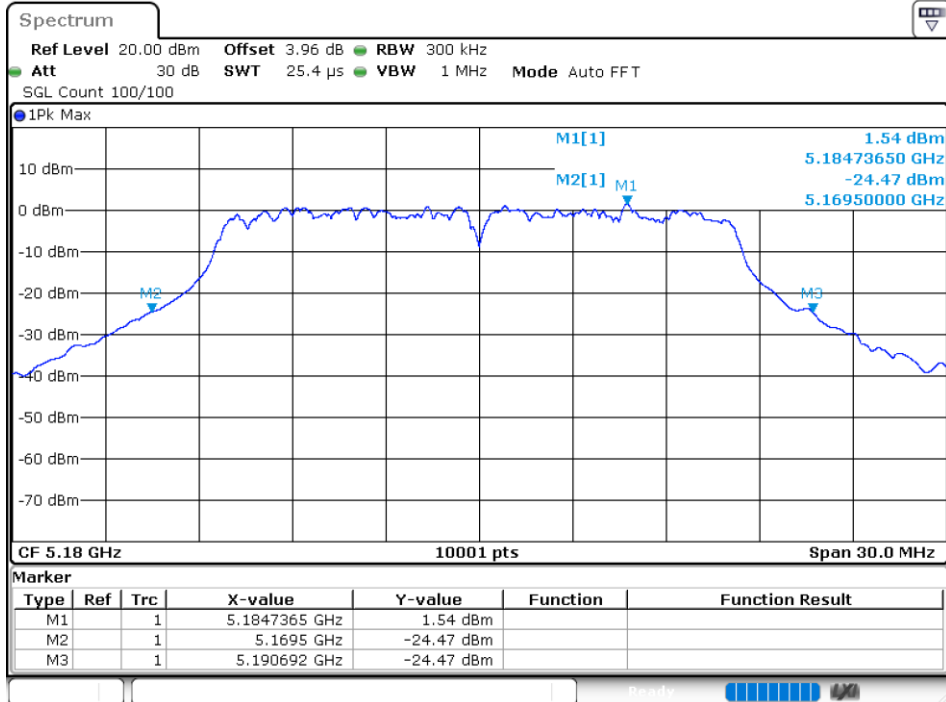
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	21.192
NVNT	a	5200	Ant1	22.056
NVNT	a	5240	Ant1	20.811
NVNT	a	5180	Ant2	21.432
NVNT	a	5200	Ant2	21.138
NVNT	a	5240	Ant2	21.9
NVNT	n20	5180	Ant1	24.342
NVNT	n20	5200	Ant1	21.858
NVNT	n20	5240	Ant1	21.216
NVNT	n20	5180	Ant2	22.632
NVNT	n20	5200	Ant2	22.158
NVNT	n20	5240	Ant2	22.839
NVNT	n40	5190	Ant1	45.288
NVNT	n40	5230	Ant1	45.372
NVNT	n40	5190	Ant2	46.038
NVNT	n40	5230	Ant2	45.414
NVNT	ac20	5180	Ant1	23.757
NVNT	ac20	5200	Ant1	23.76
NVNT	ac20	5240	Ant1	21.291
NVNT	ac20	5180	Ant2	22.674
NVNT	ac20	5200	Ant2	22.293
NVNT	ac20	5240	Ant2	21.969
NVNT	ac40	5190	Ant1	45.486
NVNT	ac40	5230	Ant1	45.24
NVNT	ac40	5190	Ant2	45.63
NVNT	ac40	5230	Ant2	40.422
NVNT	ac80	5210	Ant1	85.956
NVNT	ac80	5210	Ant2	86.064
NVNT	ac160	5250	Ant1	157.68
NVNT	ac160	5250	Ant2	161.304
NVNT	ax160	5250	Ant1	158.16
NVNT	ax160	5250	Ant2	162.6
NVNT	ax20	5180	Ant1	21.987
NVNT	ax20	5200	Ant1	22.914
NVNT	ax20	5240	Ant1	23.298
NVNT	ax20	5180	Ant2	21.912
NVNT	ax20	5200	Ant2	21.309
NVNT	ax20	5240	Ant2	23.7
NVNT	ax40	5190	Ant1	44.418
NVNT	ax40	5230	Ant1	44.448
NVNT	ax40	5190	Ant2	44.91

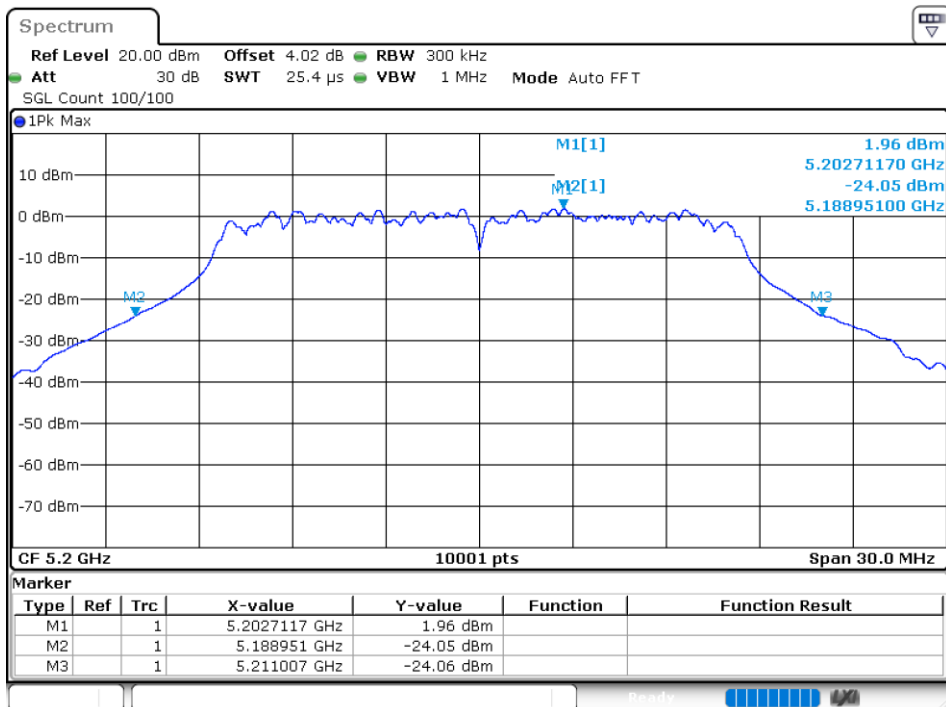
NVNT	ax40	5230	Ant2	44.4
NVNT	ax80	5210	Ant1	80.784
NVNT	ax80	5210	Ant2	80.808

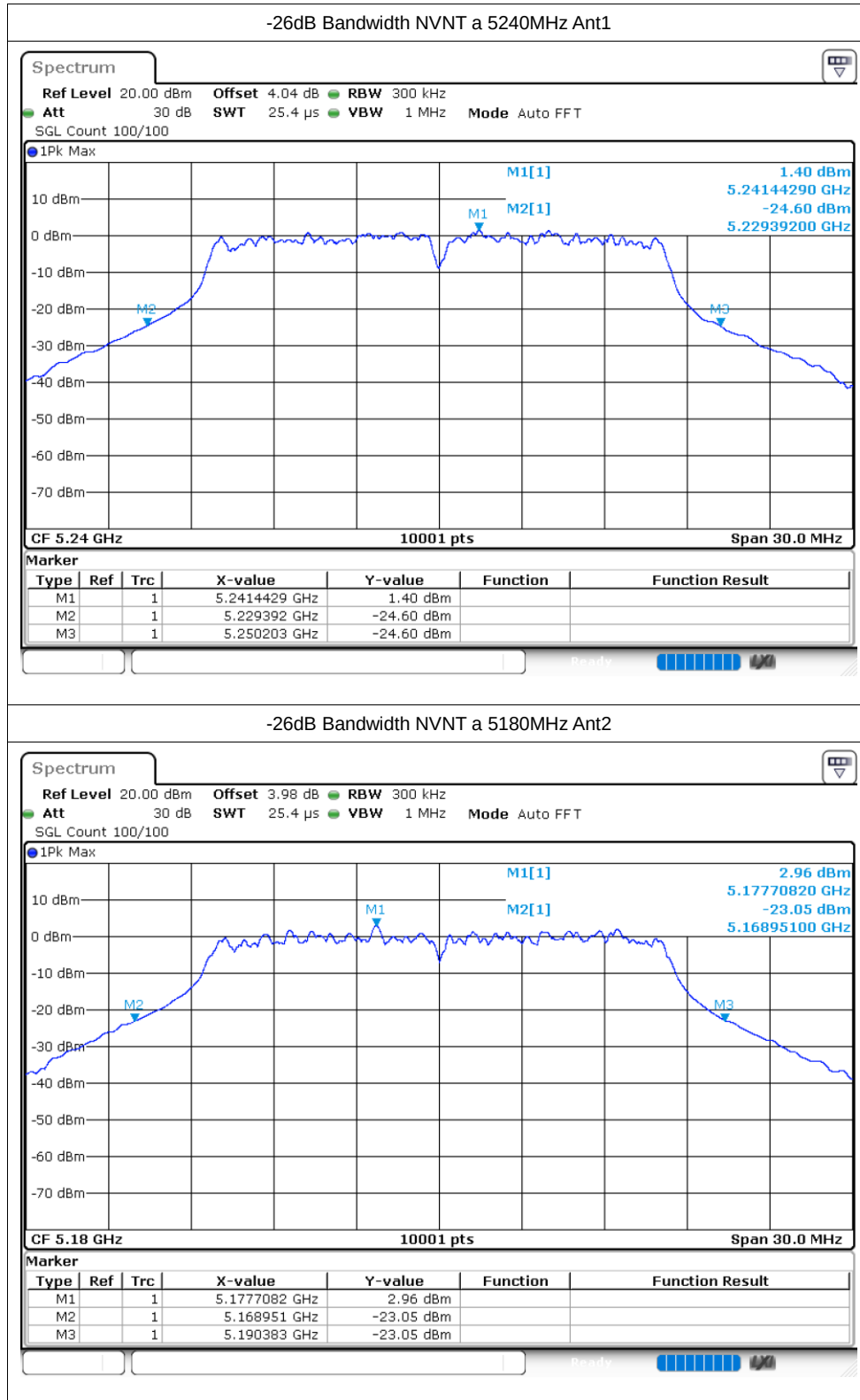
Test Graphs

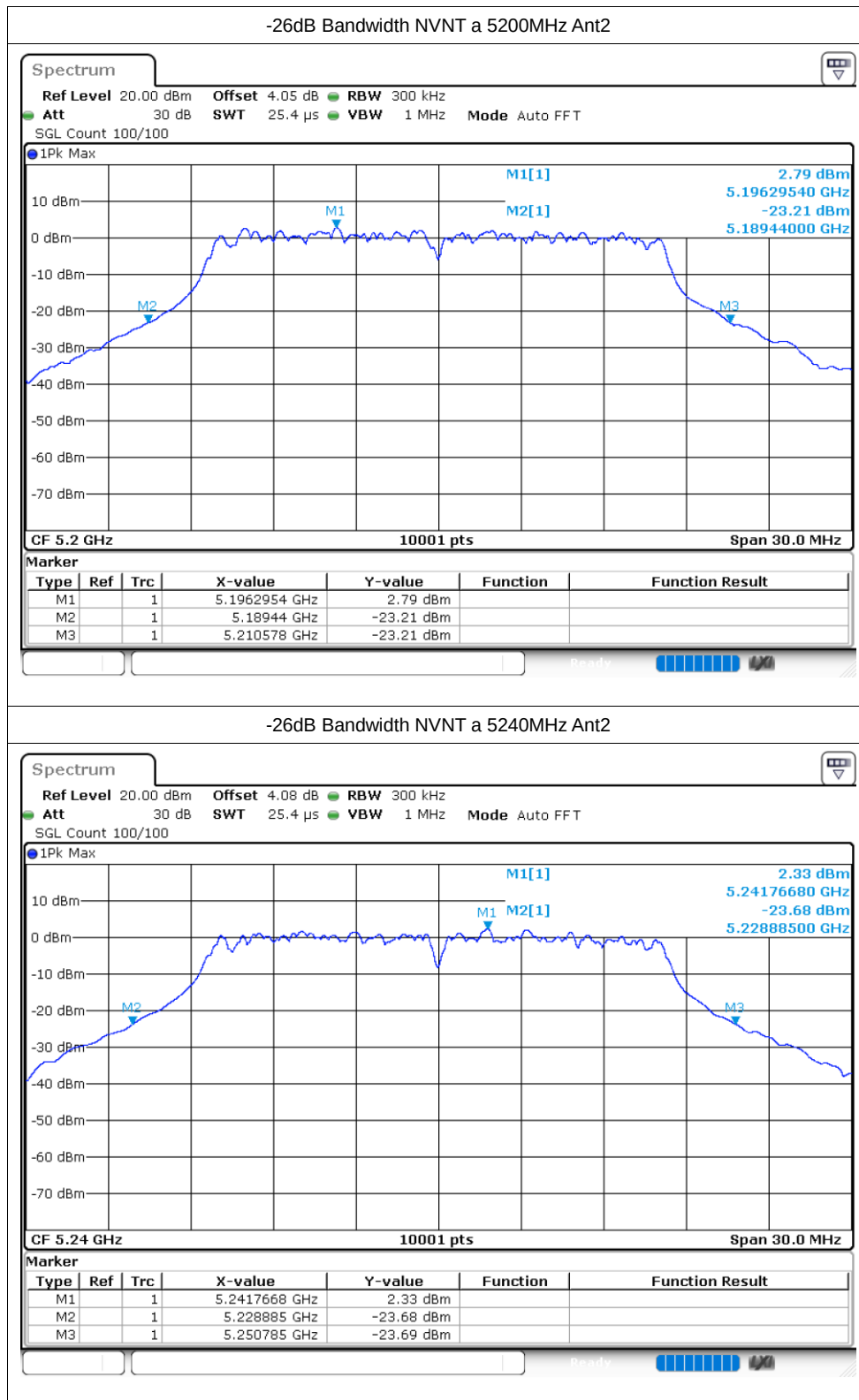
-26dB Bandwidth NVNT a 5180MHz Ant1

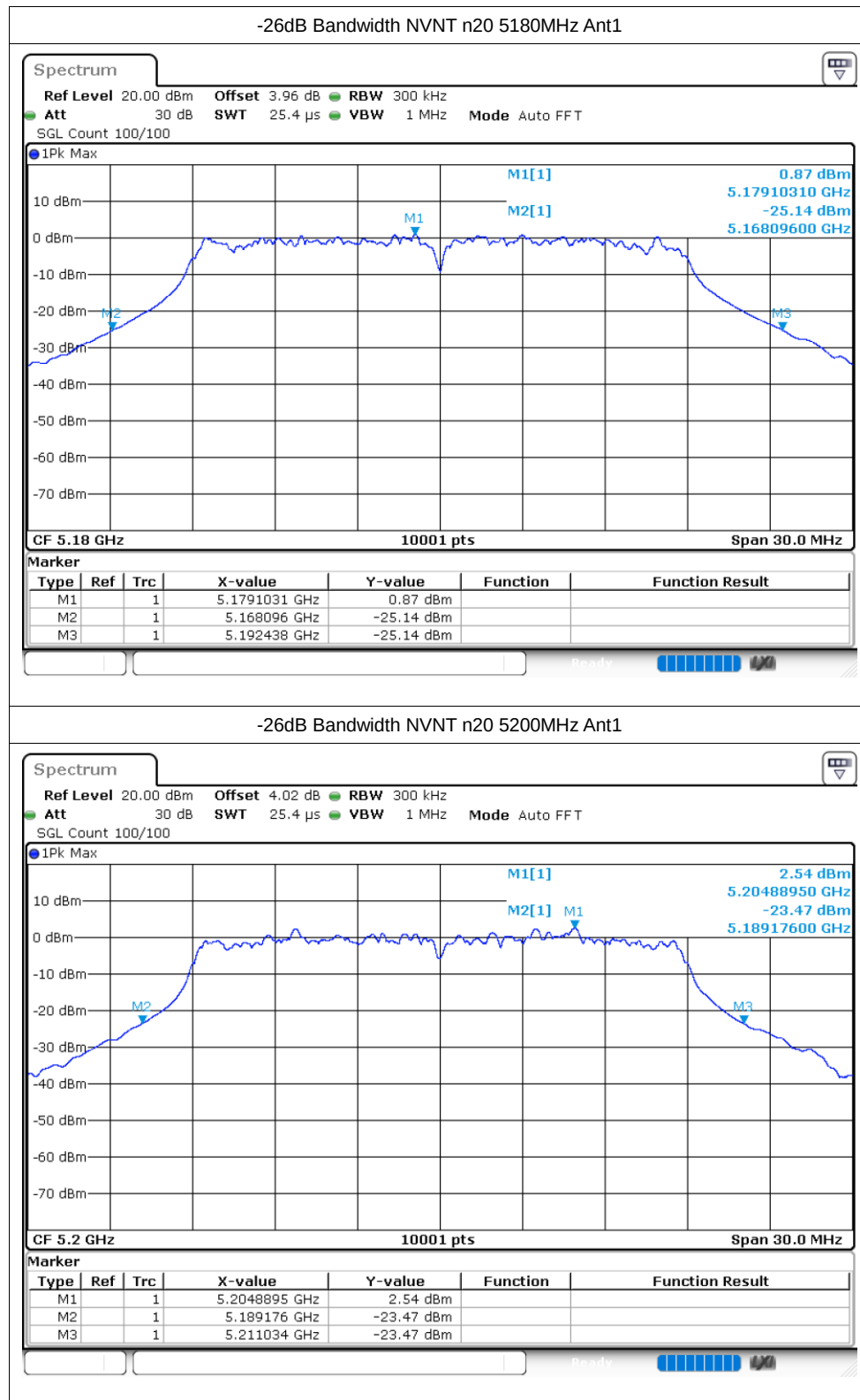


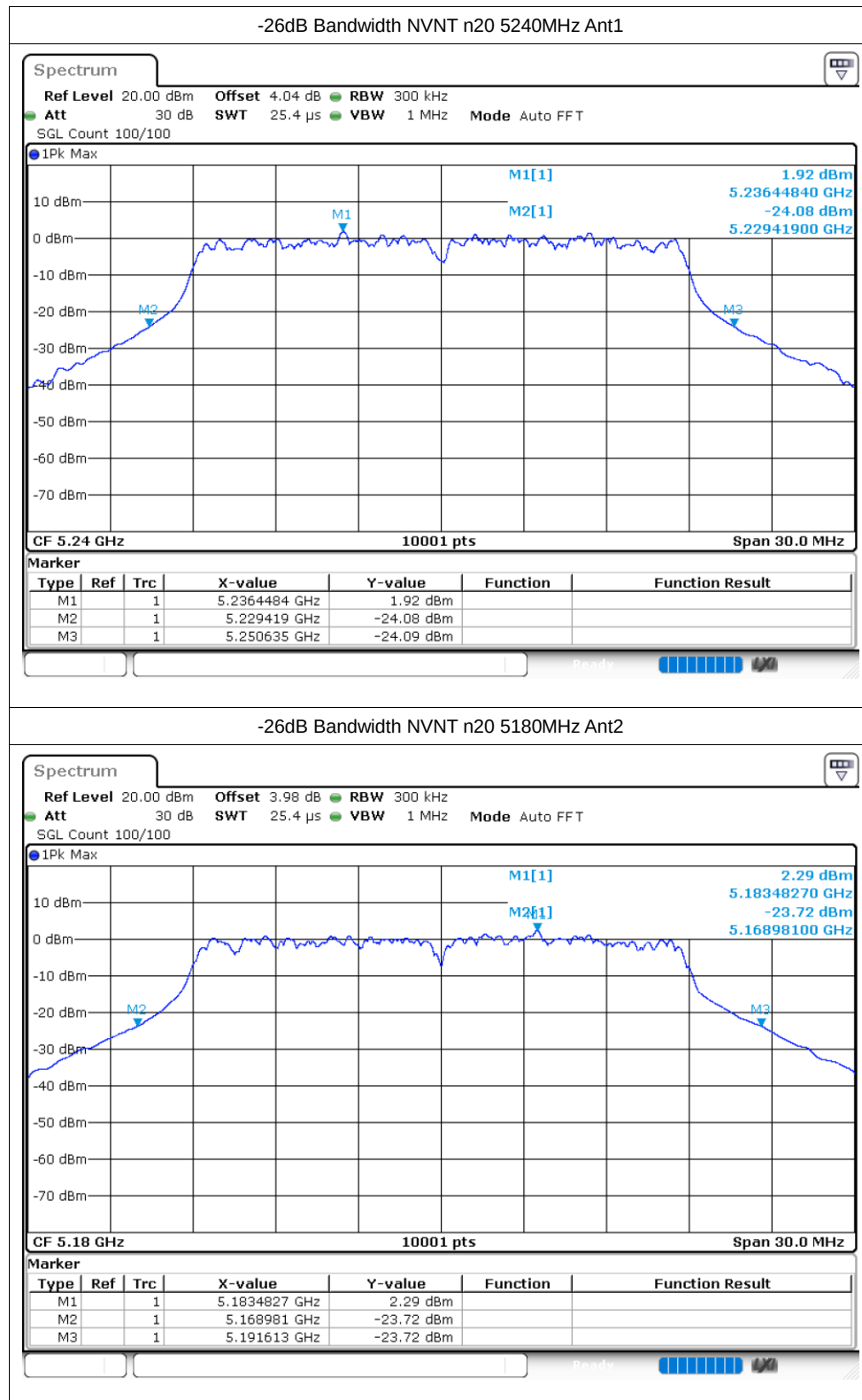
-26dB Bandwidth NVNT a 5200MHz Ant1

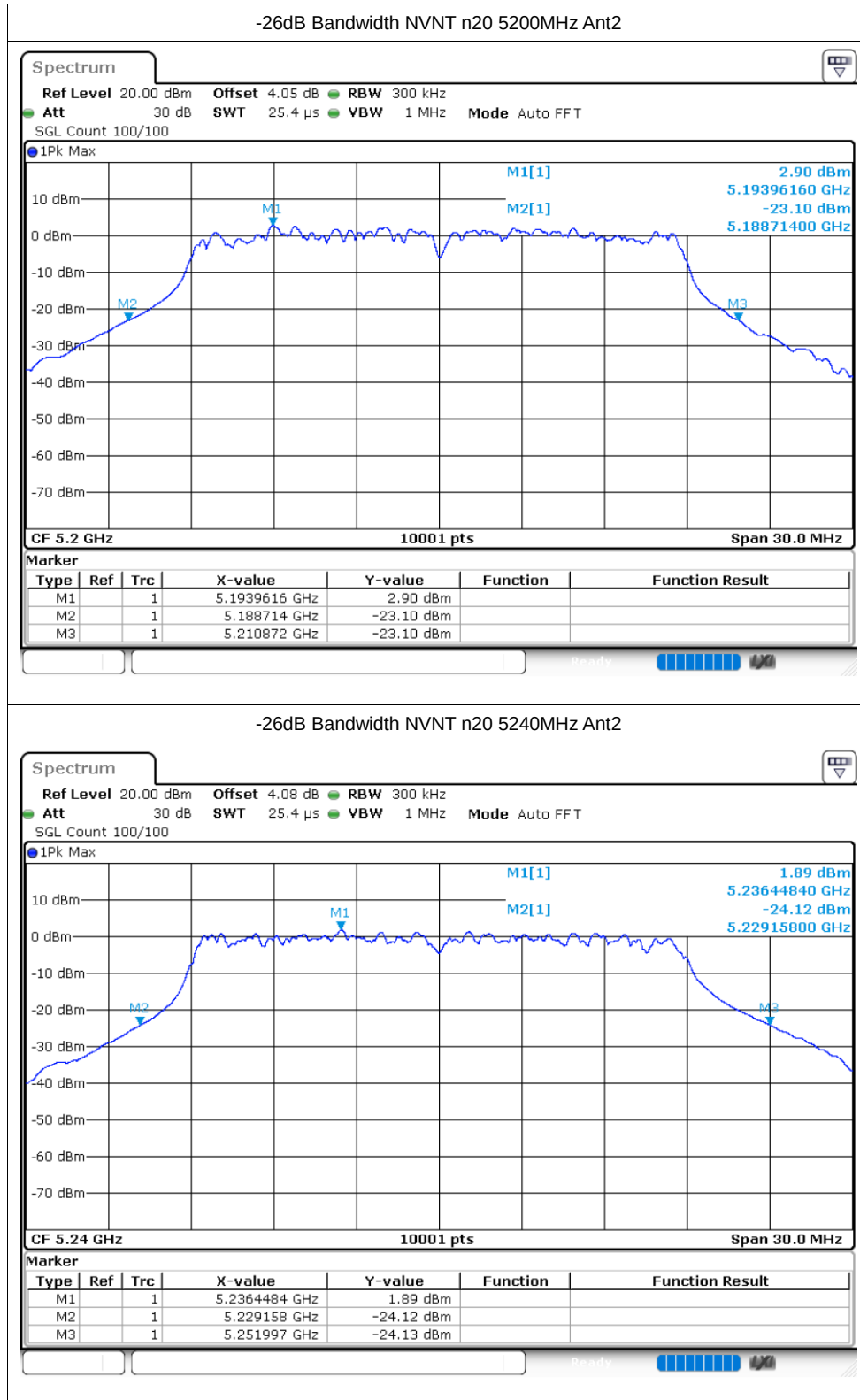


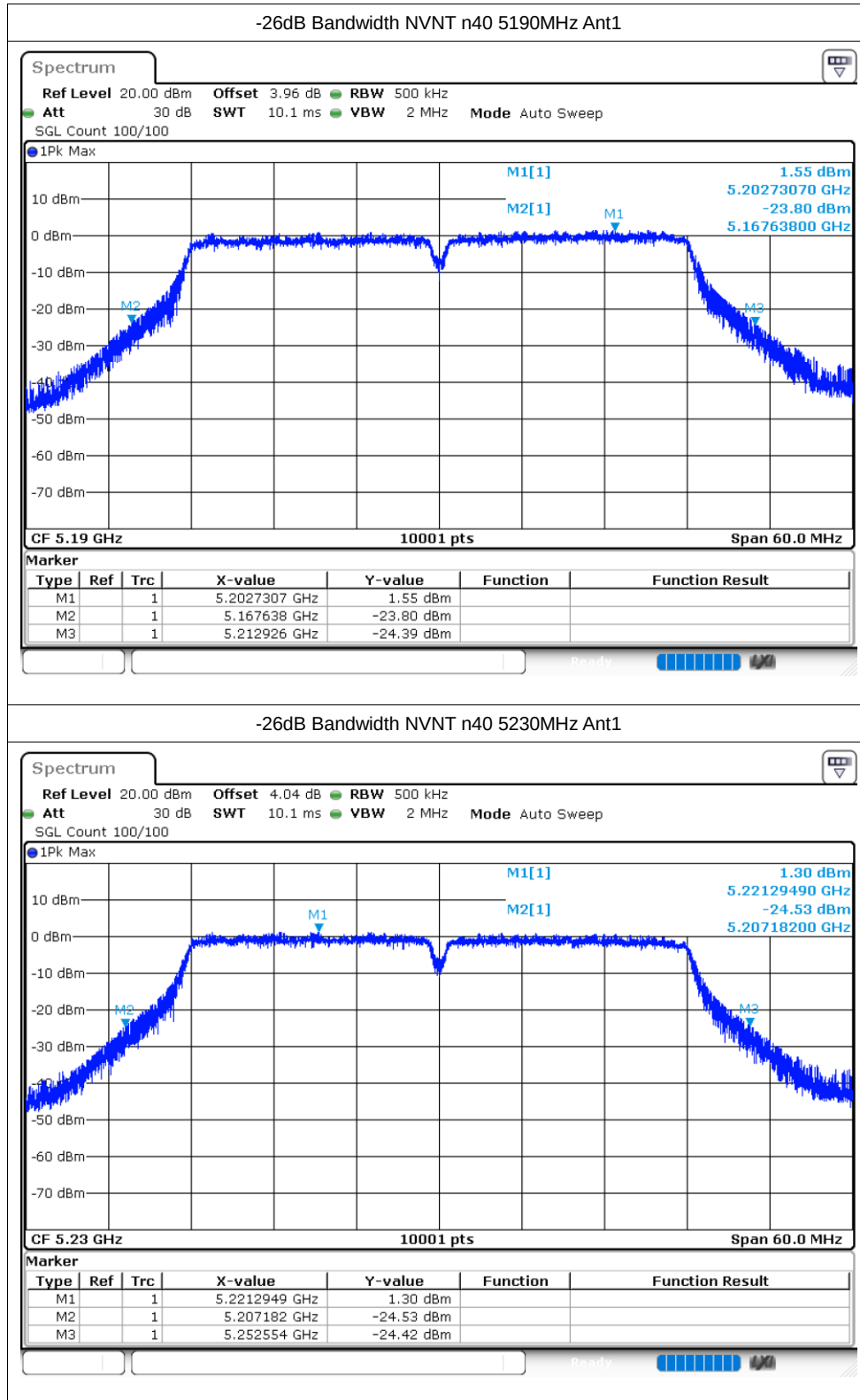




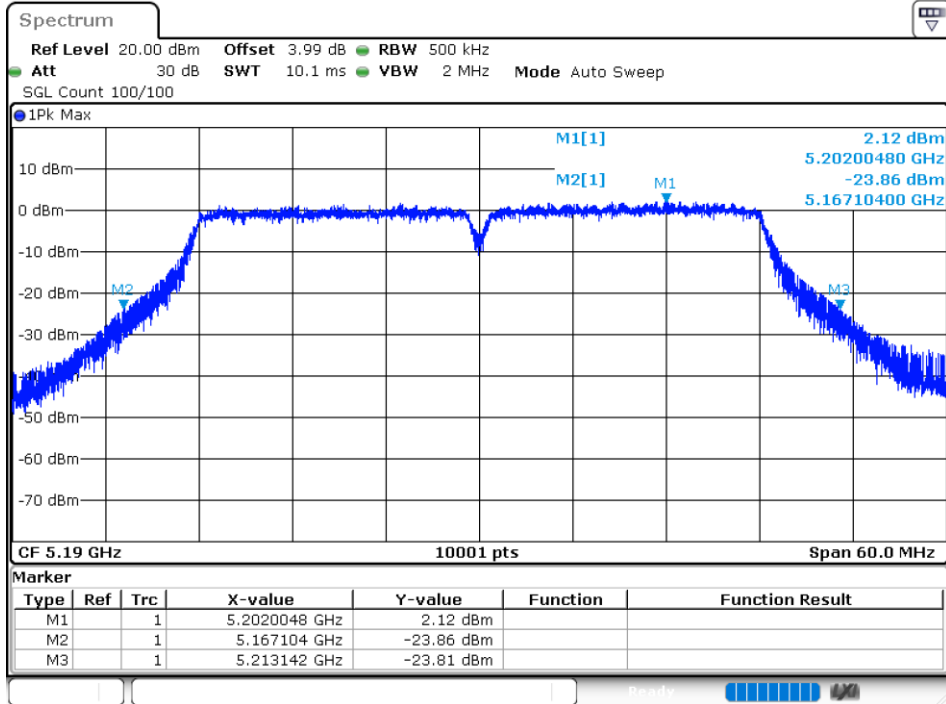




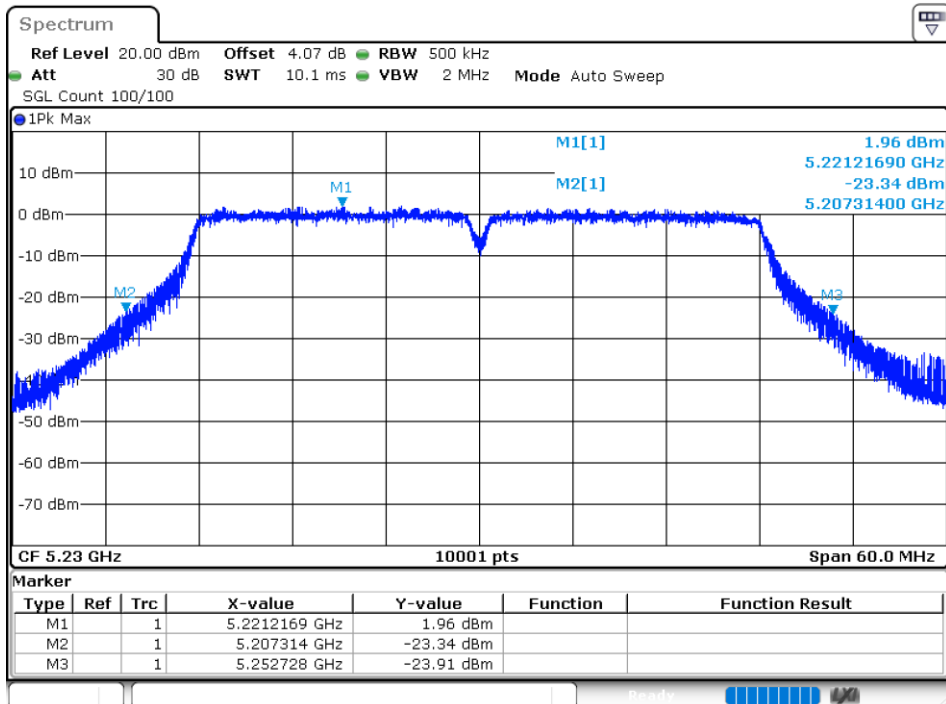


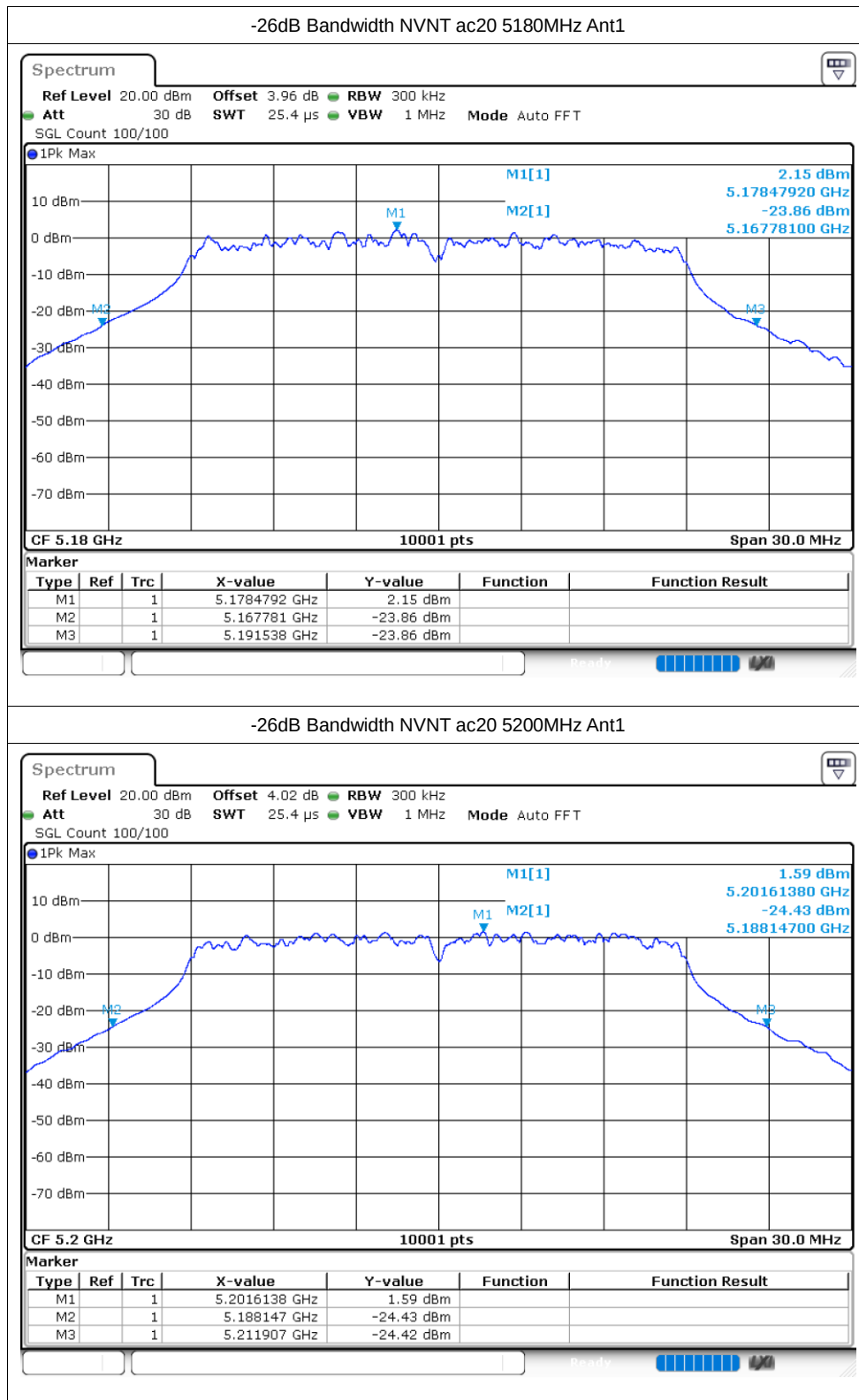


-26dB Bandwidth NVNT n40 5190MHz Ant2

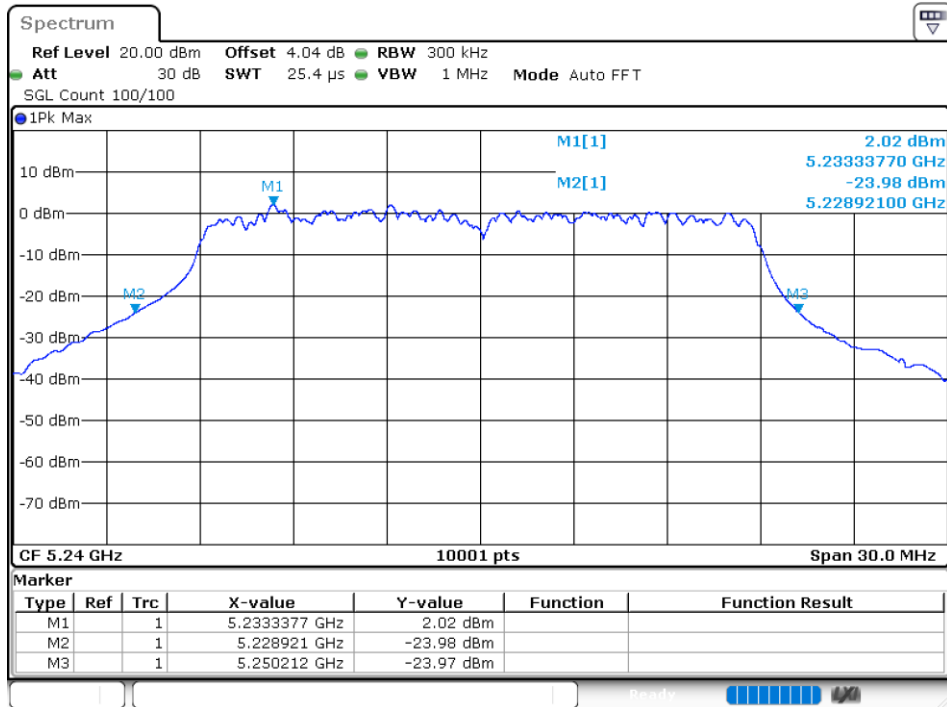


-26dB Bandwidth NVNT n40 5230MHz Ant2





-26dB Bandwidth NVNT ac20 5240MHz Ant1



-26dB Bandwidth NVNT ac20 5180MHz Ant2

