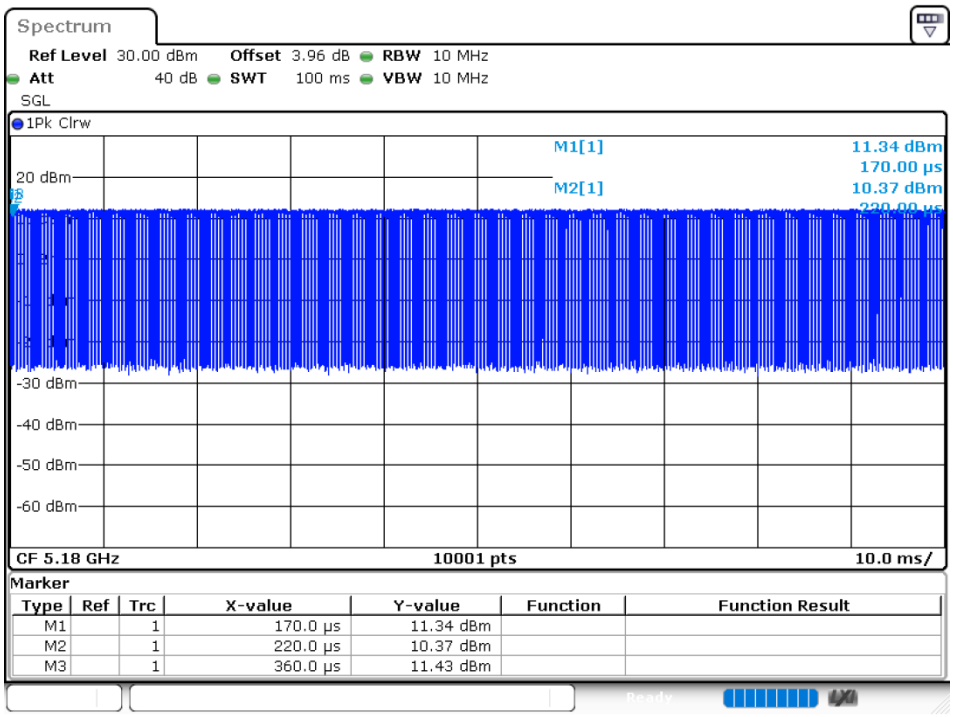
5.2G WIFI

Duty Cycle

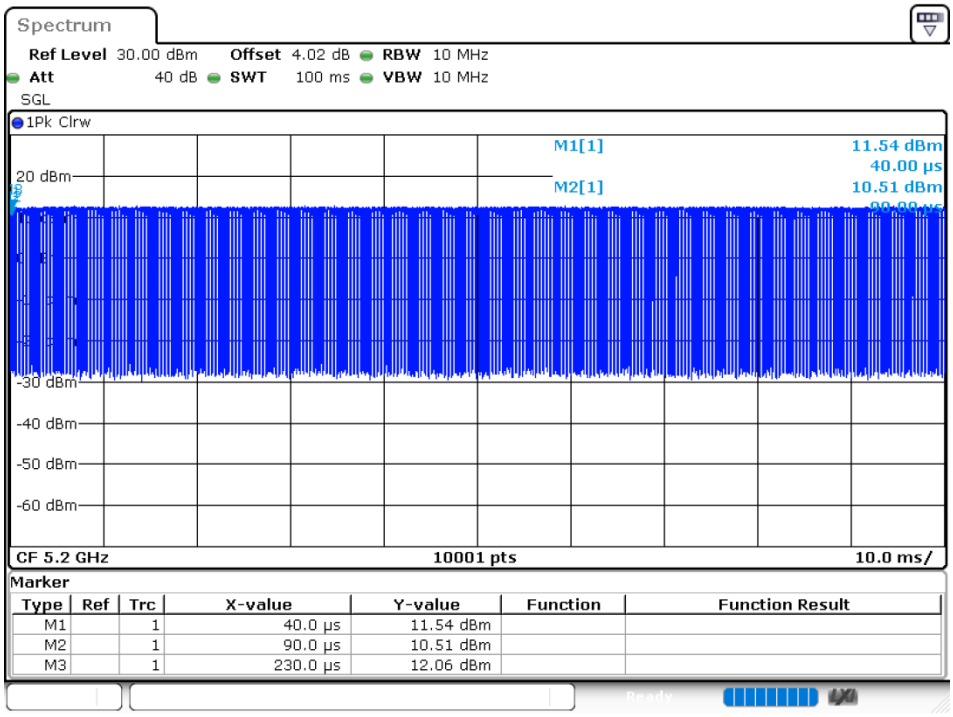
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	81.15	0.91	7.14
NVNT	a	5200	Ant1	81.07	0.91	7.14
NVNT	a	5240	Ant1	80.6	0.94	6.67
NVNT	a	5180	Ant2	81.32	0.9	6.67
NVNT	a	5200	Ant2	80.78	0.93	6.67
NVNT	a	5240	Ant2	81.26	0.9	6.67
NVNT	n20	5180	Ant1	89.51	0.48	3.23
NVNT	n20	5200	Ant1	89.53	0.48	3.23
NVNT	n20	5240	Ant1	89.62	0.48	3.23
NVNT	n20	5180	Ant2	83.39	0.79	5.56
NVNT	n20	5200	Ant2	83.58	0.78	5.56
NVNT	n20	5240	Ant2	83.46	0.79	5.56
NVNT	n40	5190	Ant1	89.61	0.48	3.13
NVNT	n40	5230	Ant1	89.85	0.46	3.13
NVNT	n40	5190	Ant2	83.75	0.77	5.56
NVNT	n40	5230	Ant2	83.63	0.78	5.56
NVNT	ac20	5180	Ant1	88.64	0.52	3.57
NVNT	ac20	5200	Ant1	88.61	0.53	3.57
NVNT	ac20	5240	Ant1	88.58	0.53	3.57
NVNT	ac20	5180	Ant2	82.6	0.83	6.25
NVNT	ac20	5200	Ant2	82.61	0.83	6.25
NVNT	ac20	5240	Ant2	82.61	0.83	6.25
NVNT	ac40	5190	Ant1	88.34	0.54	3.57
NVNT	ac40	5230	Ant1	88.61	0.53	3.57
NVNT	ac40	5190	Ant2	81.88	0.87	6.25
NVNT	ac40	5230	Ant2	81.83	0.87	6.25
NVNT	ac80	5210	Ant1	82.26	0.85	5.88
NVNT	ac80	5210	Ant2	82.4	0.84	6.25

Test Graphs

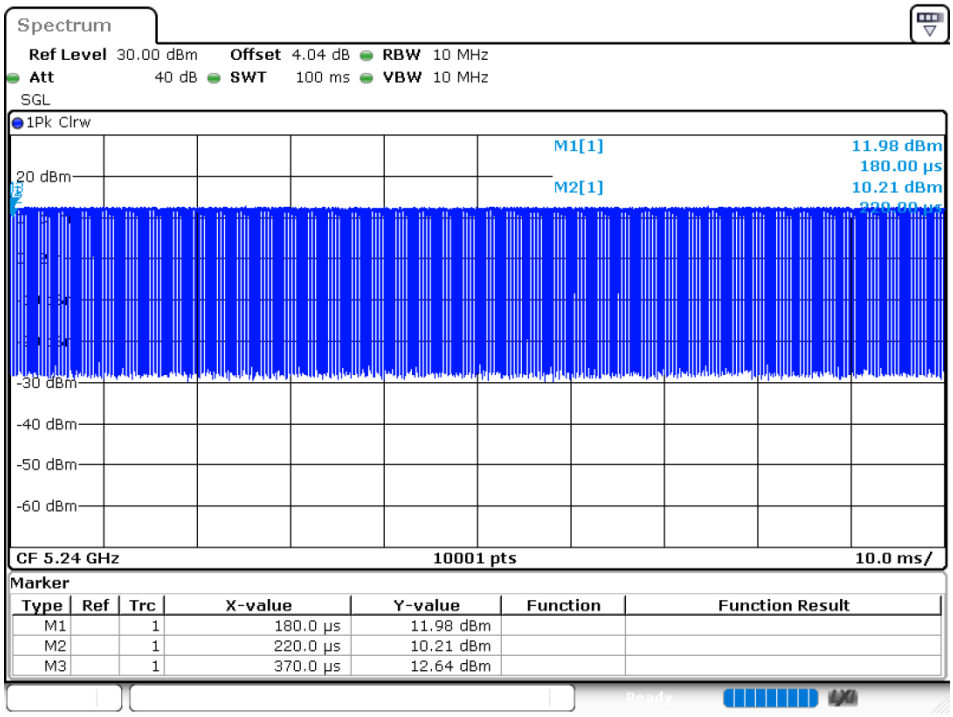
Duty Cycle NVNT a 5180MHz Ant1



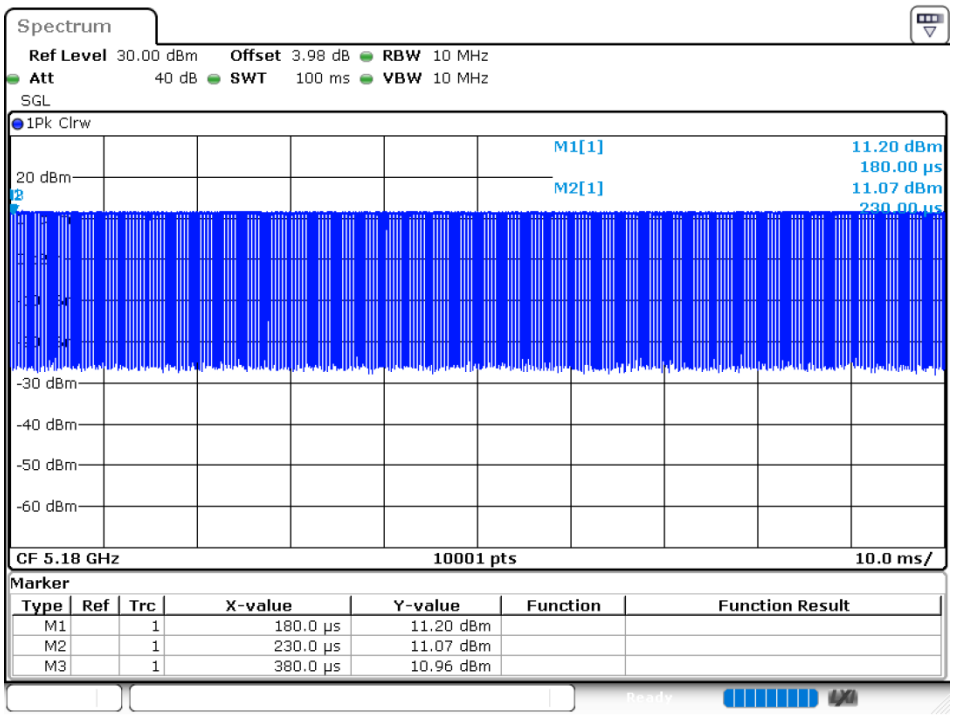
Duty Cycle NVNT a 5200MHz Ant1



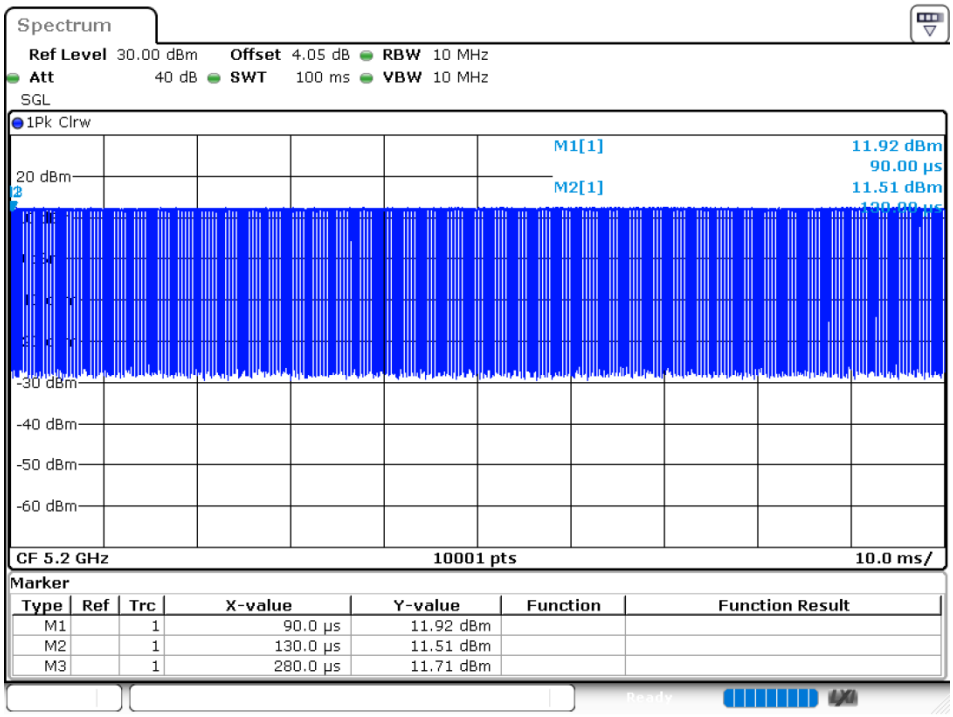
Duty Cycle NVNT a 5240MHz Ant1



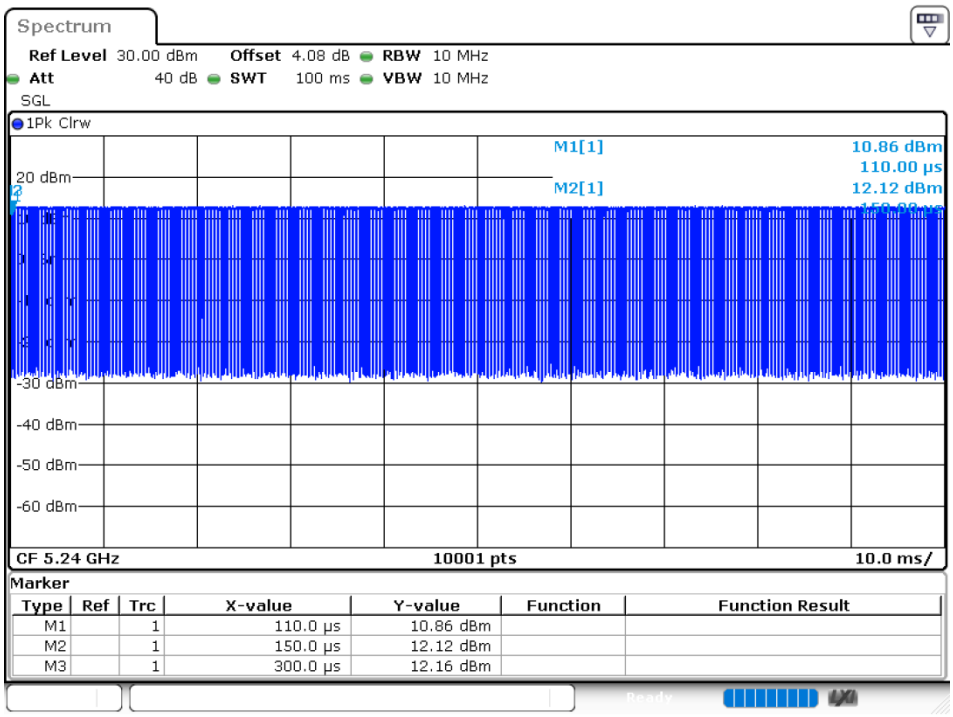
Duty Cycle NVNT a 5180MHz Ant2



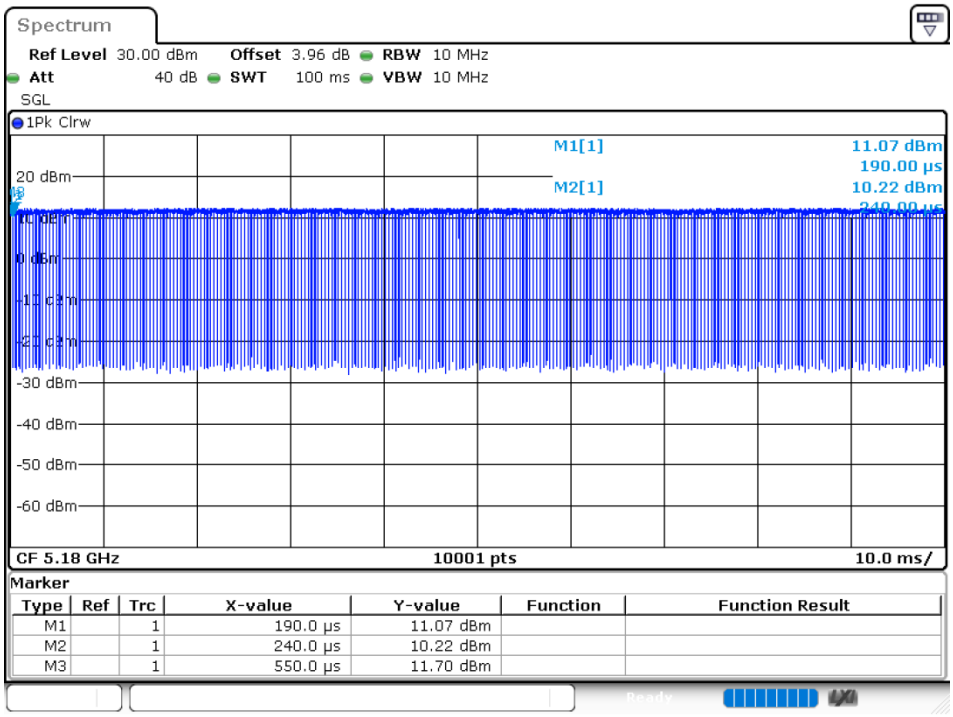
Duty Cycle NVNT a 5200MHz Ant2



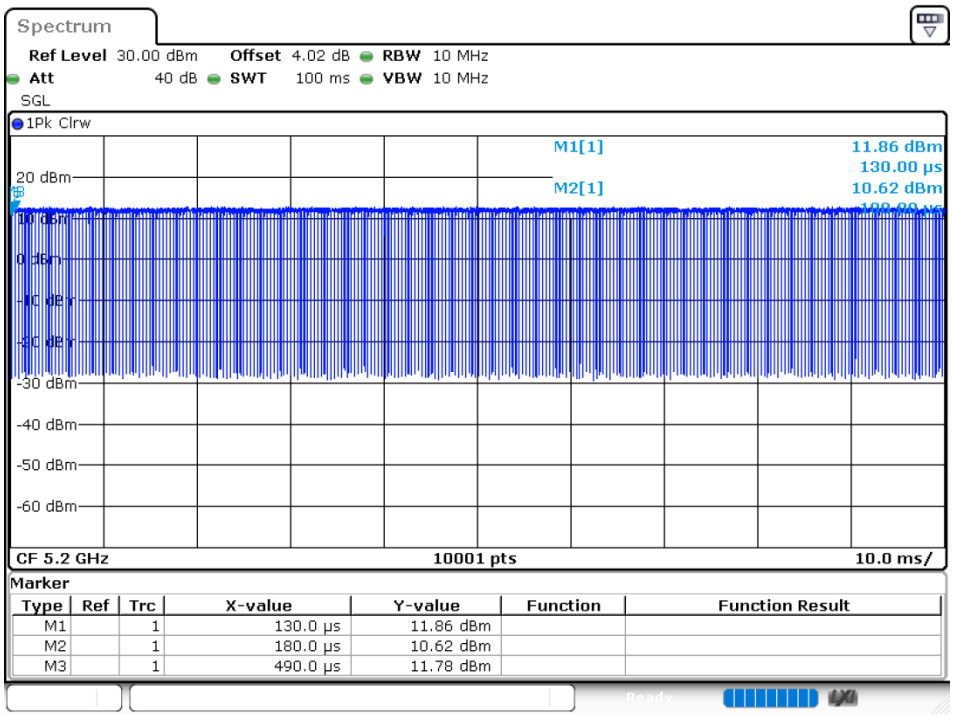
Duty Cycle NVNT a 5240MHz Ant2



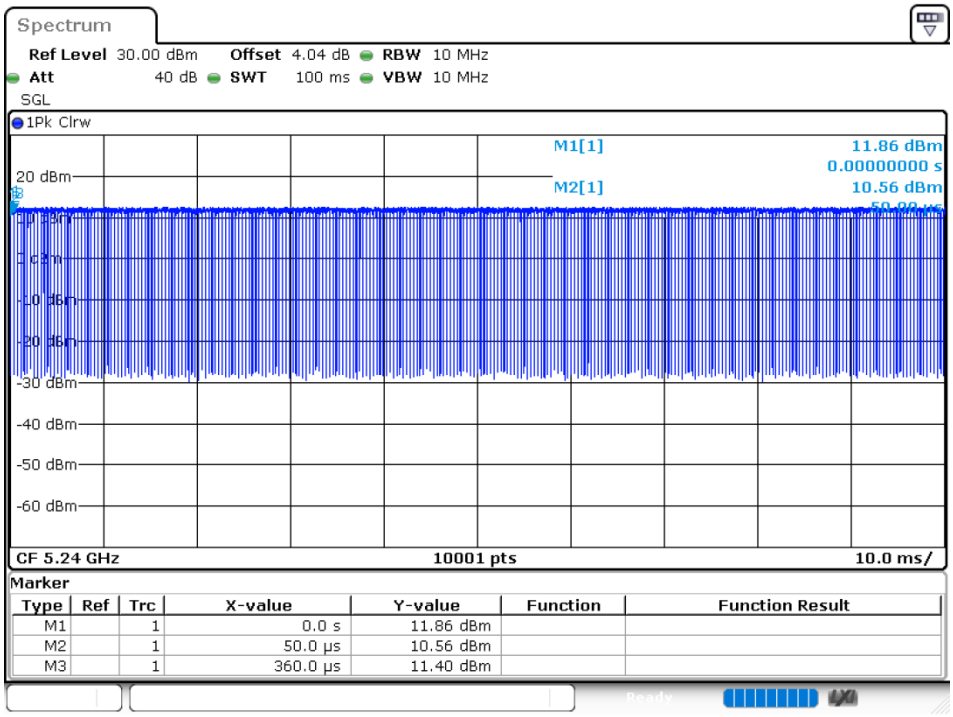
Duty Cycle NVNT n20 5180MHz Ant1



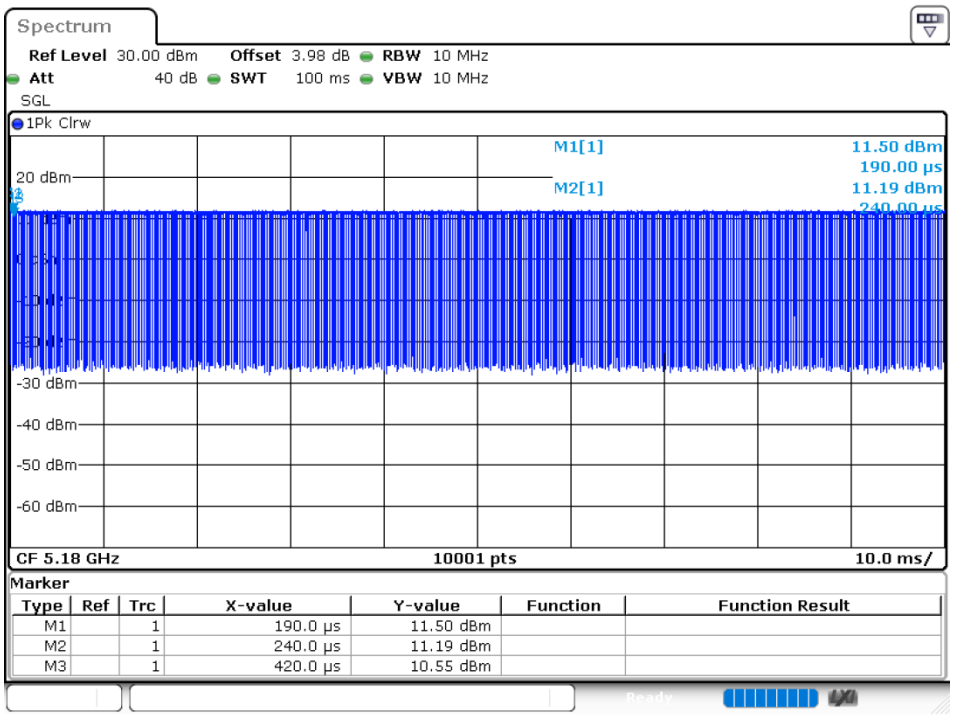
Duty Cycle NVNT n20 5200MHz Ant1



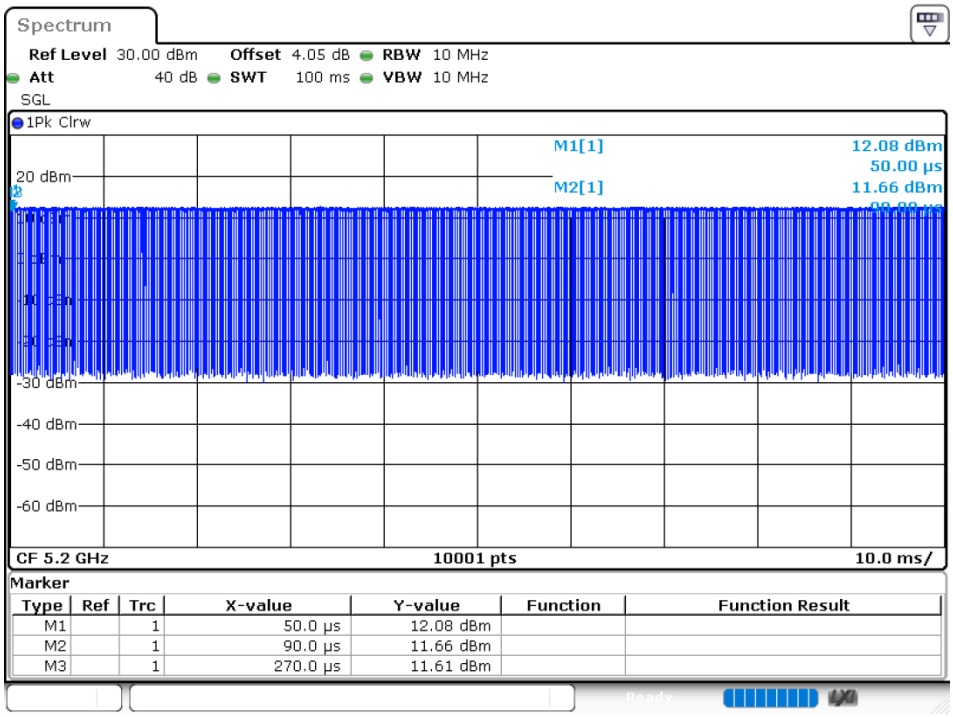
Duty Cycle NVNT n20 5240MHz Ant1



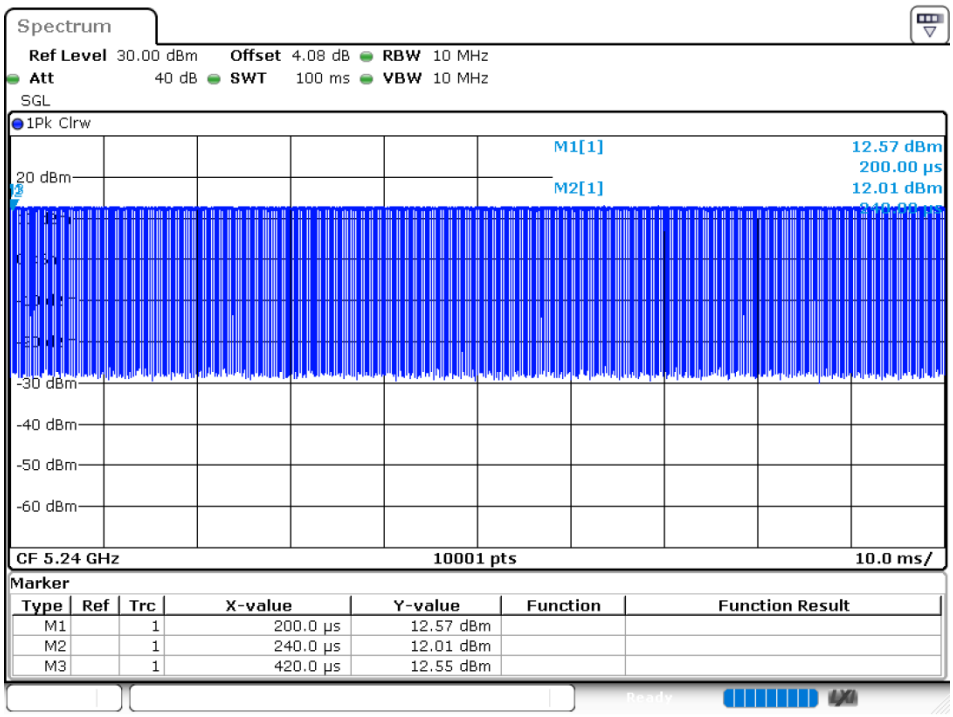
Duty Cycle NVNT n20 5180MHz Ant2



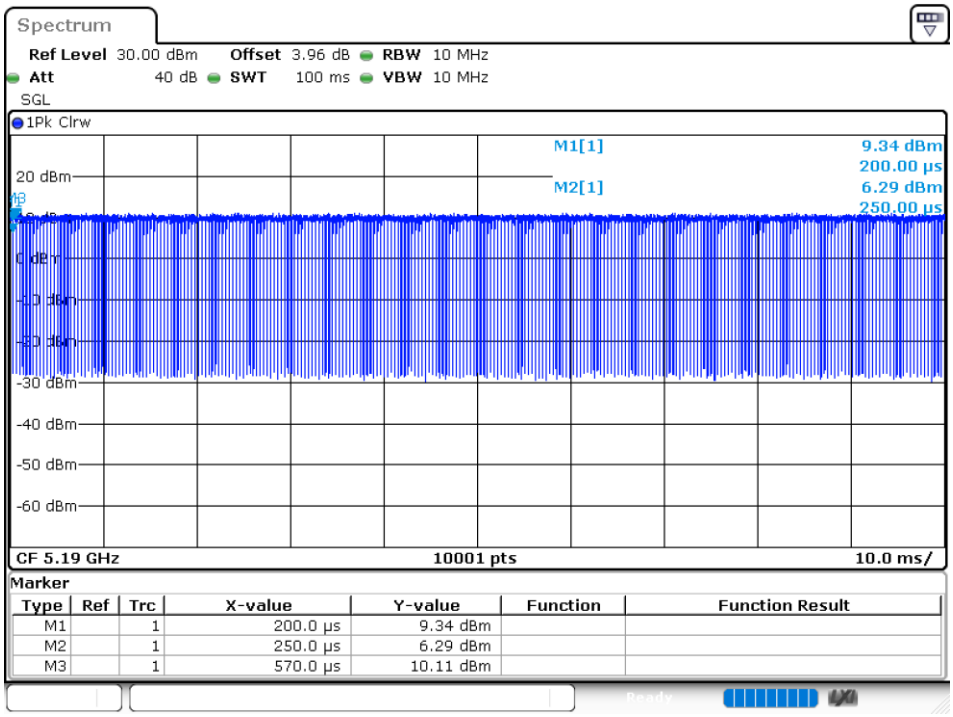
Duty Cycle NVNT n20 5200MHz Ant2



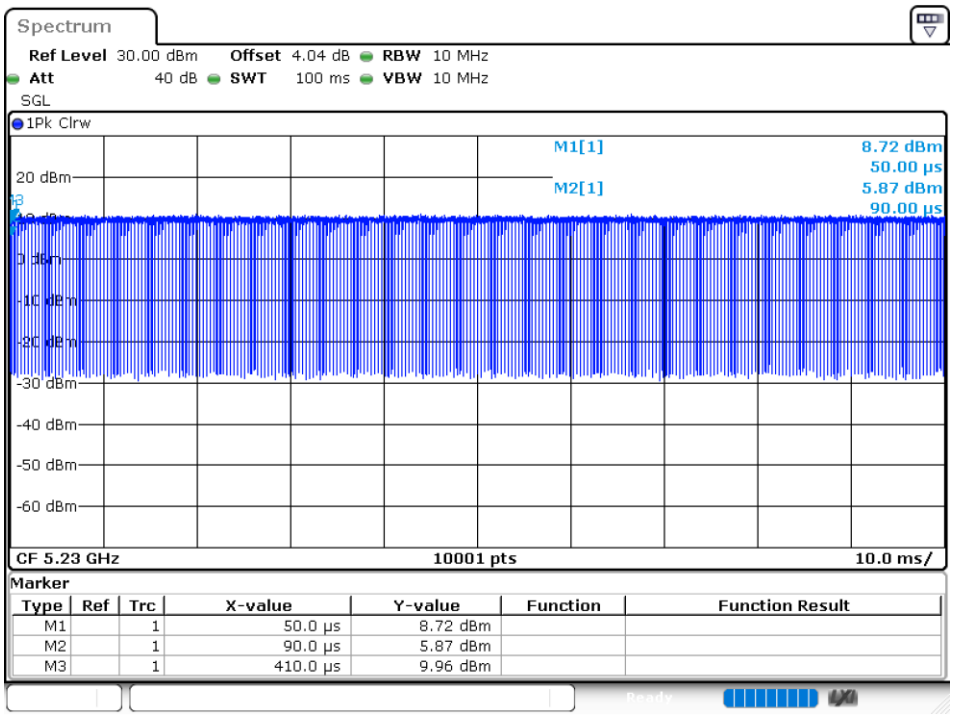
Duty Cycle NVNT n20 5240MHz Ant2



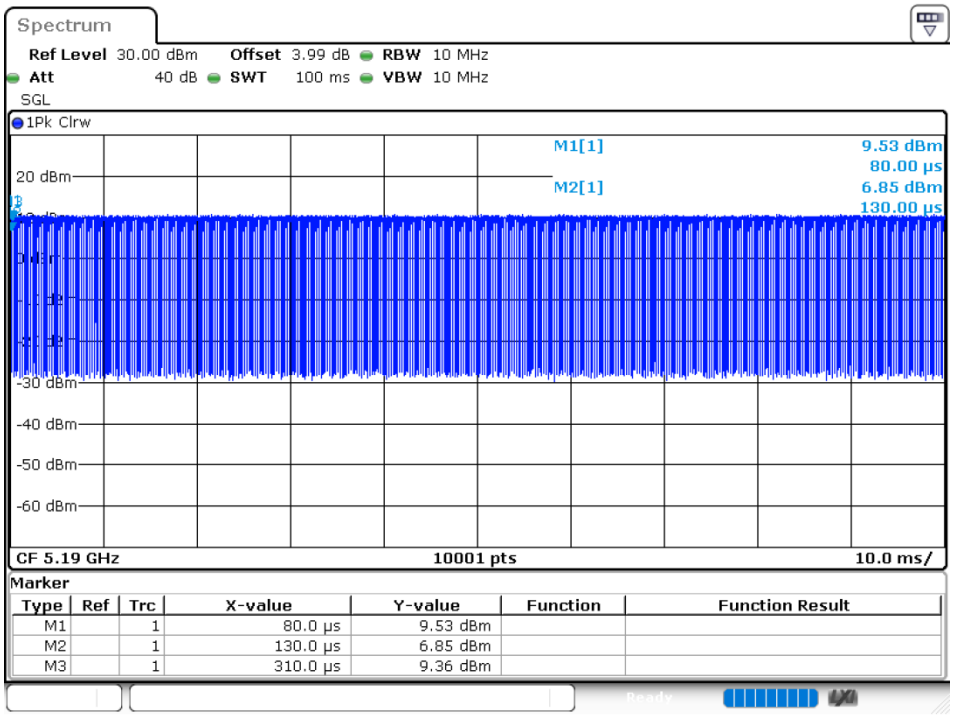
Duty Cycle NVNT n40 5190MHz Ant1



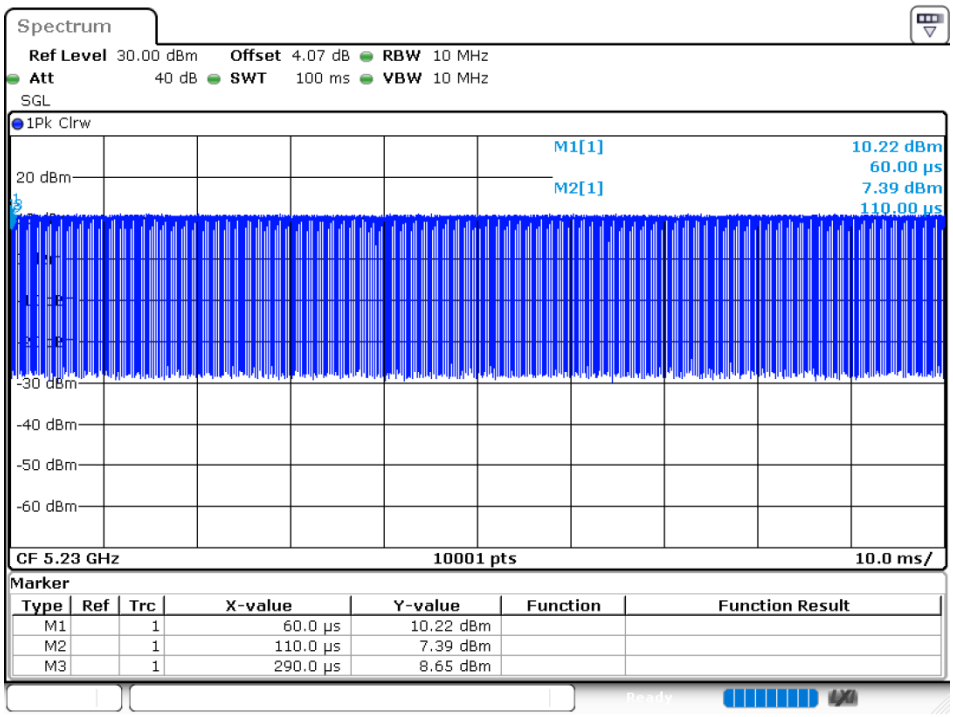
Duty Cycle NVNT n40 5230MHz Ant1



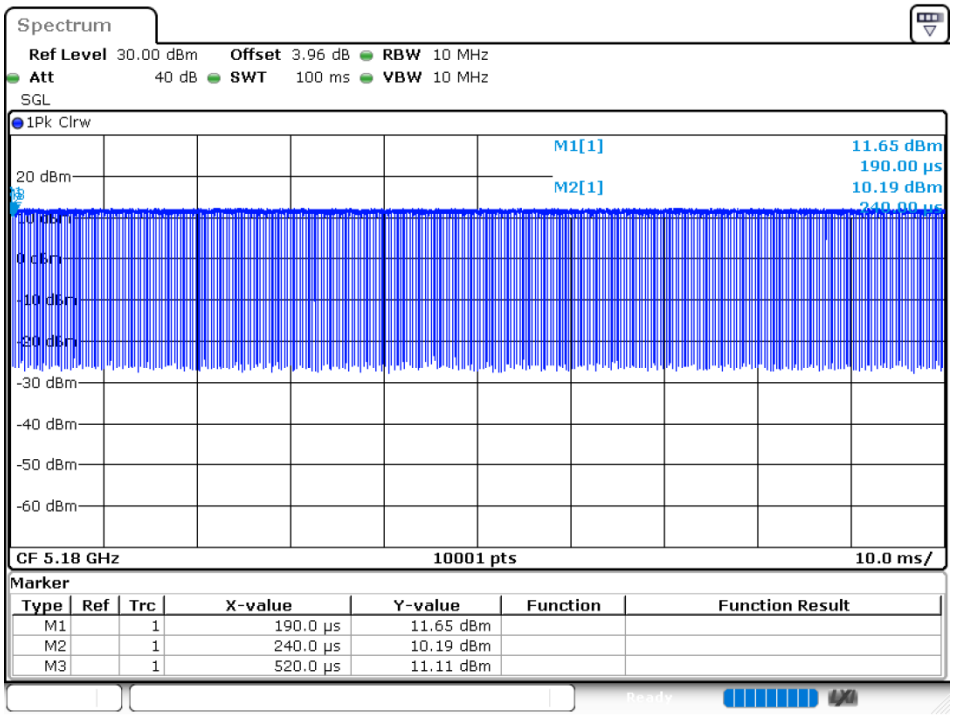
Duty Cycle NVNT n40 5190MHz Ant2



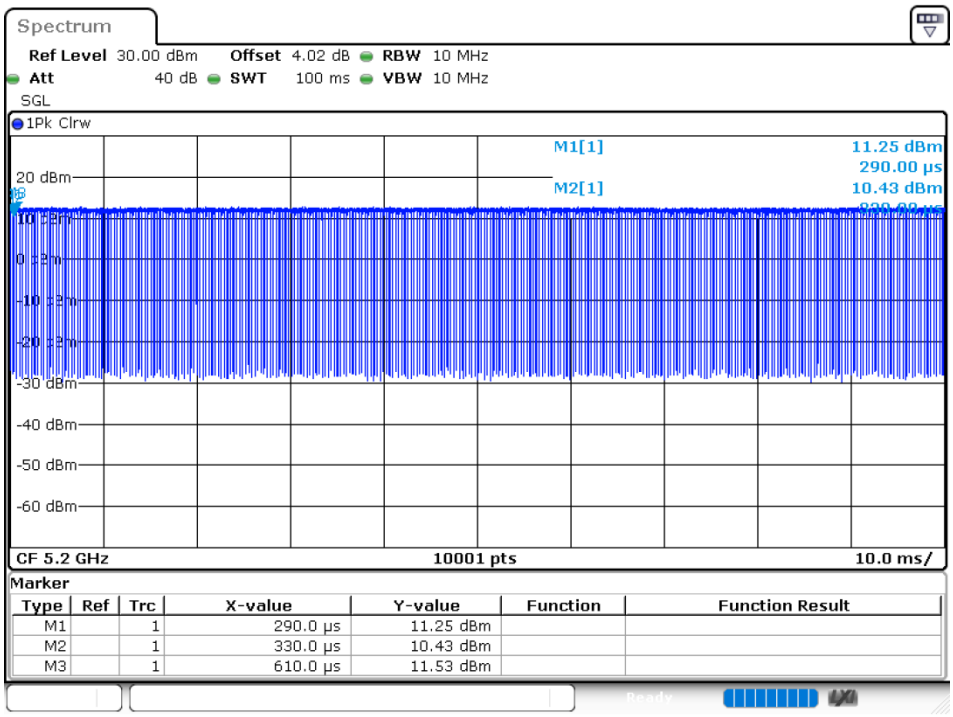
Duty Cycle NVNT n40 5230MHz Ant2



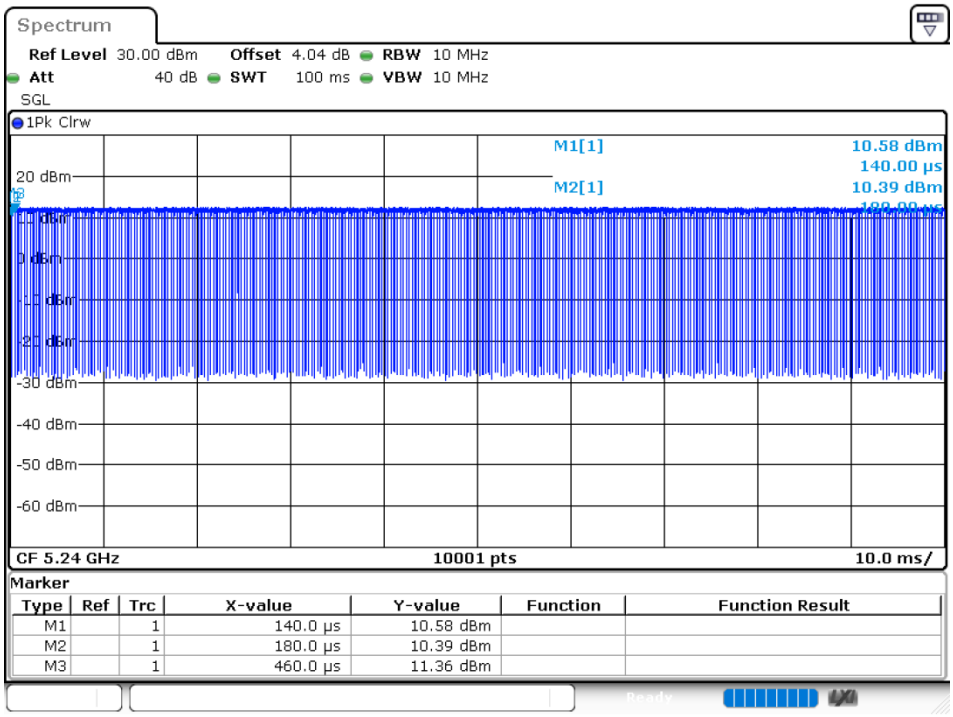
Duty Cycle NVNT ac20 5180MHz Ant1



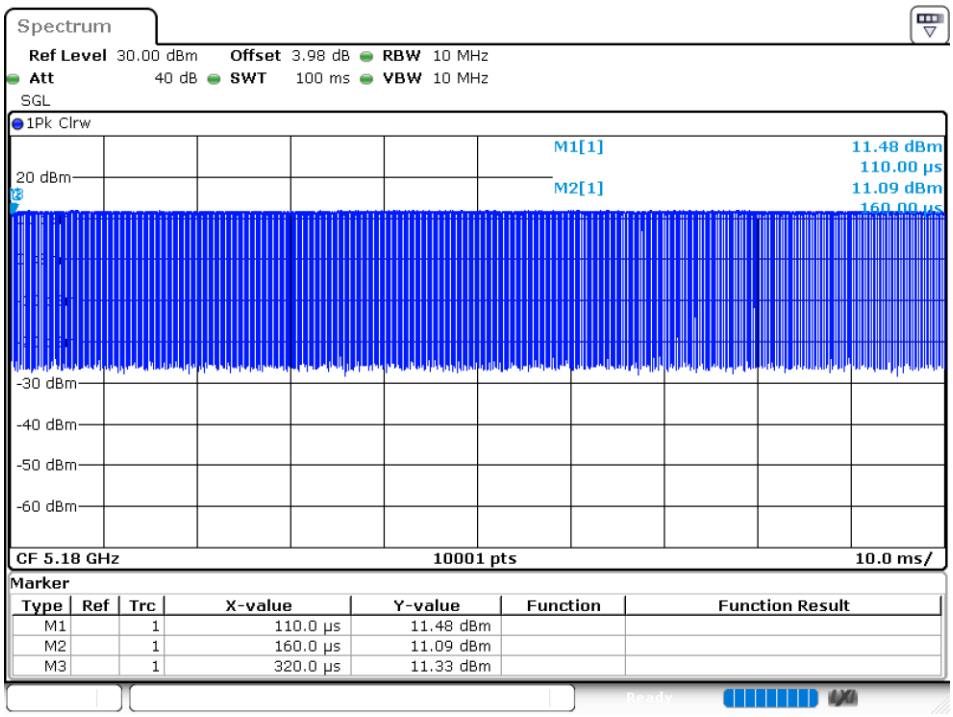
Duty Cycle NVNT ac20 5200MHz Ant1



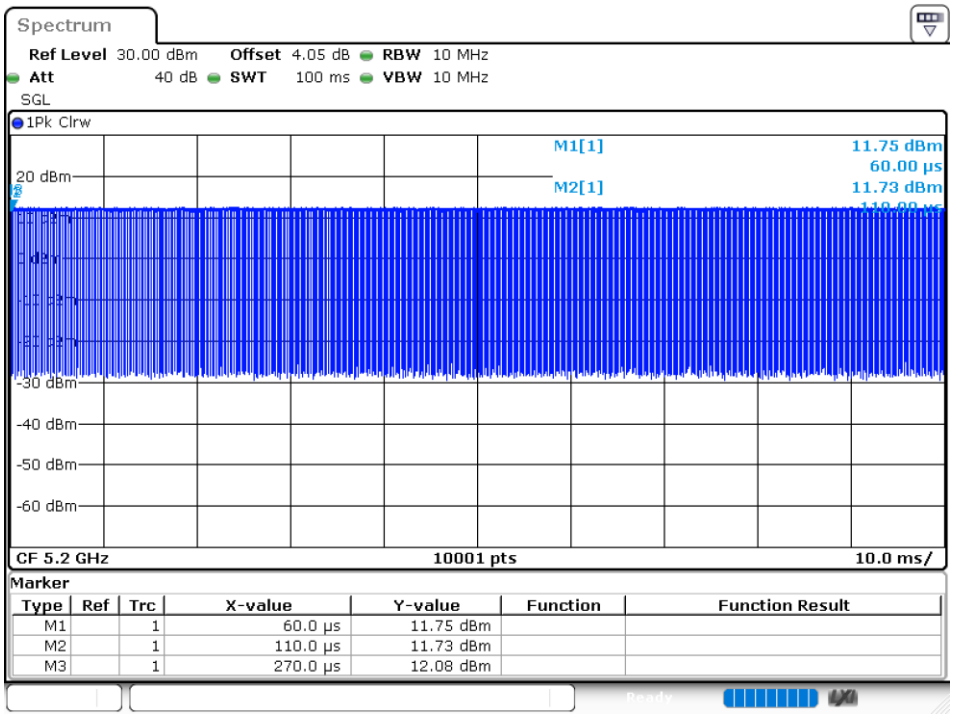
Duty Cycle NVNT ac20 5240MHz Ant1



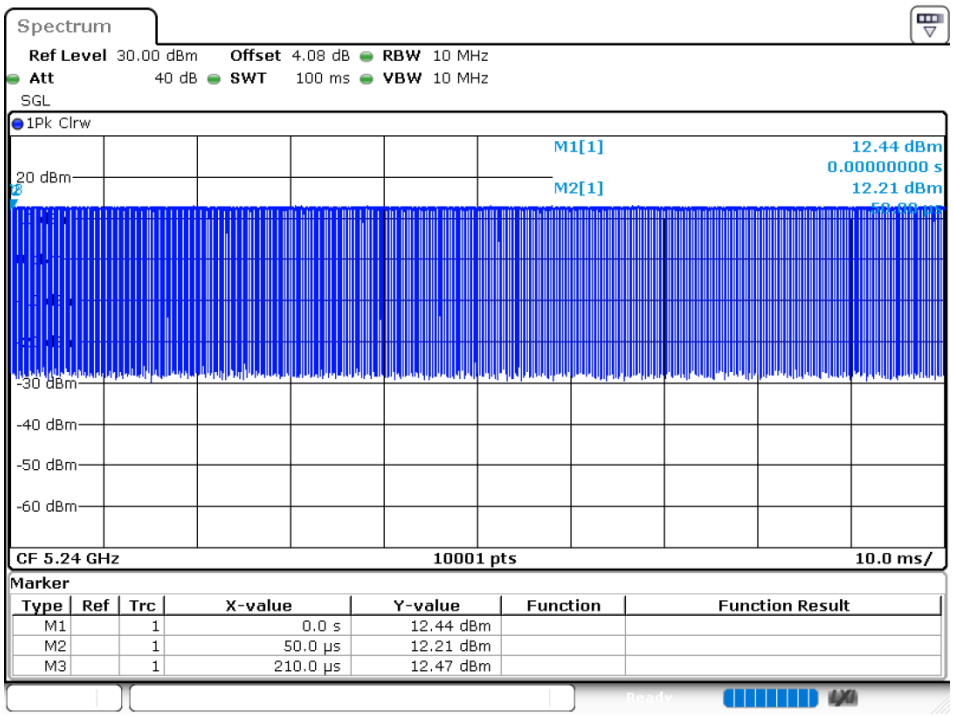
Duty Cycle NVNT ac20 5180MHz Ant2



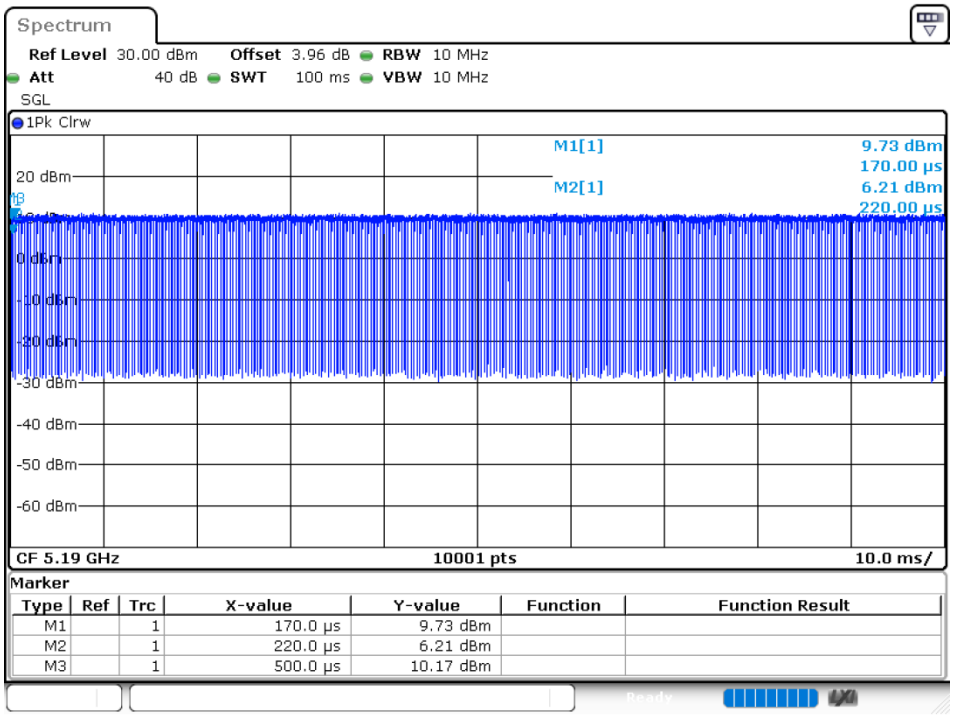
Duty Cycle NVNT ac20 5200MHz Ant2



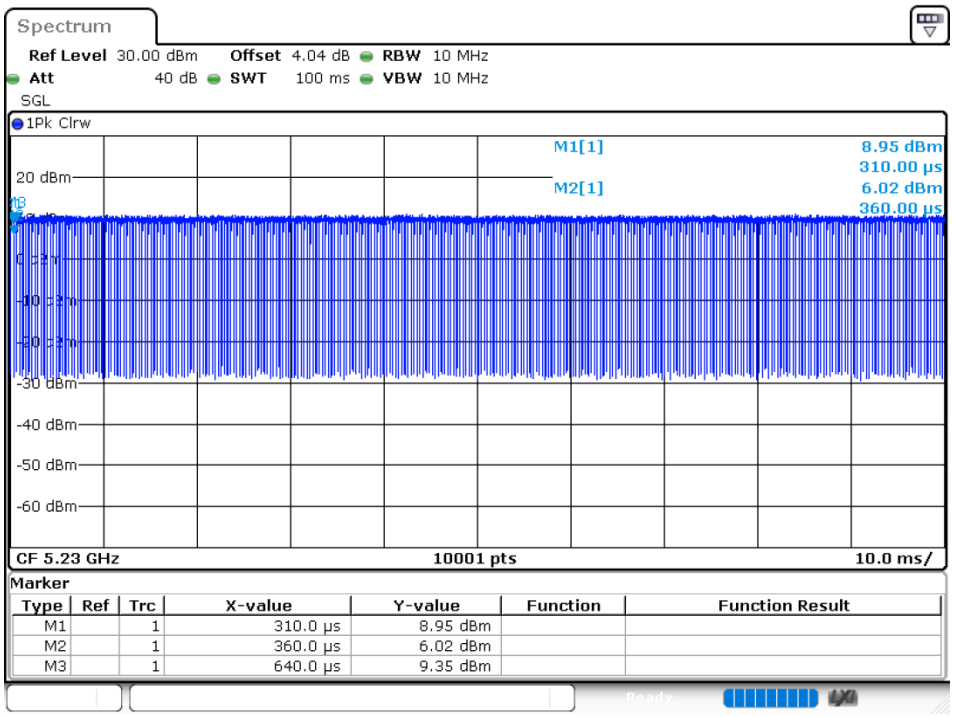
Duty Cycle NVNT ac20 5240MHz Ant2



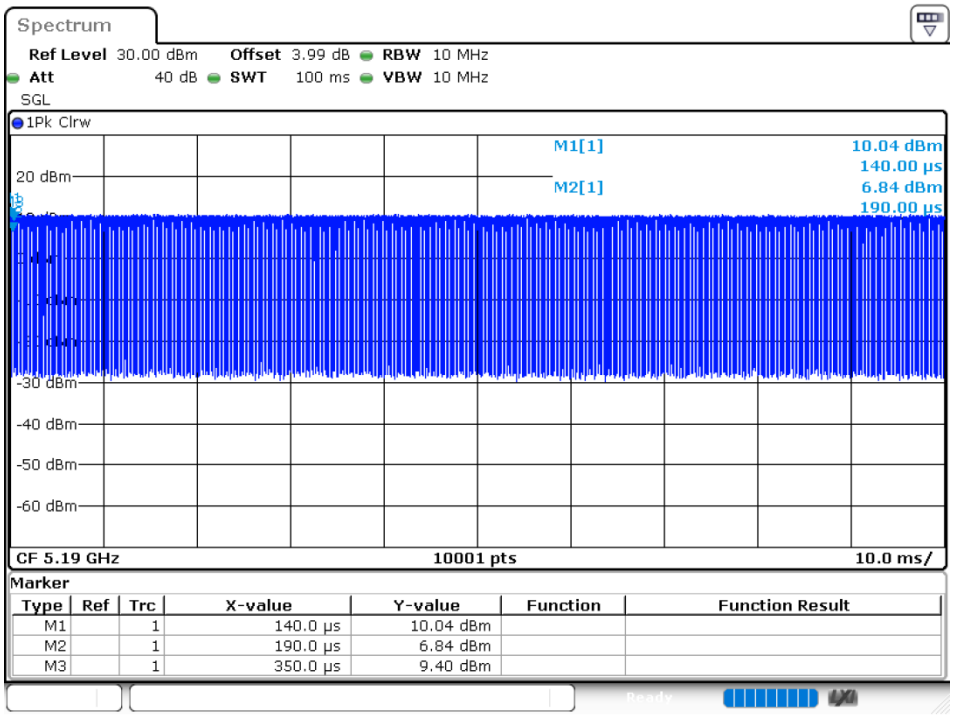
Duty Cycle NVNT ac40 5190MHz Ant1



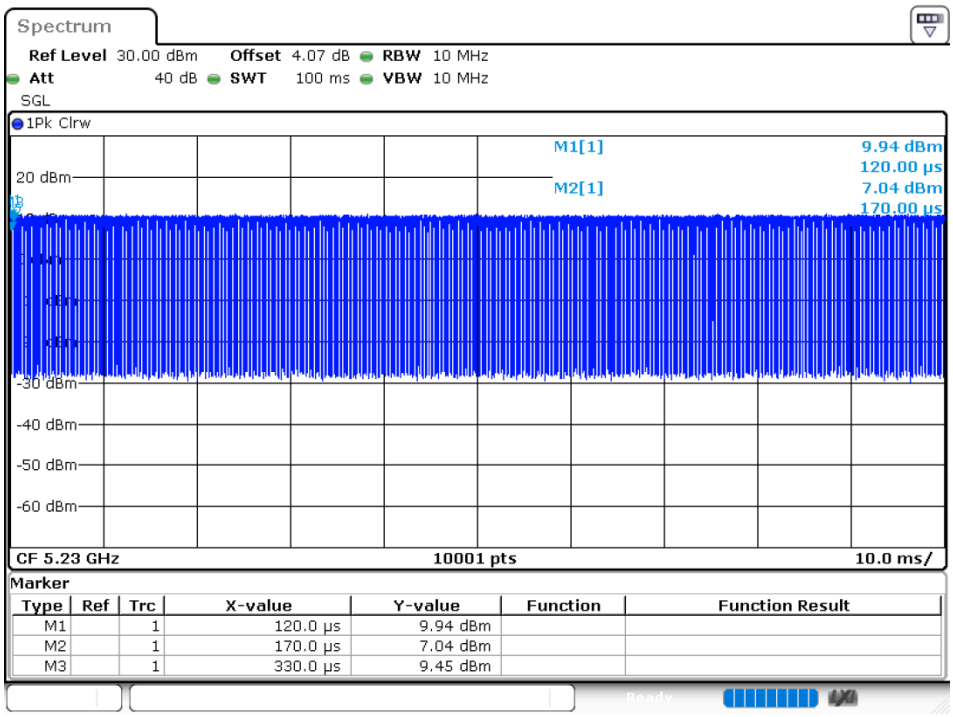
Duty Cycle NVNT ac40 5230MHz Ant1



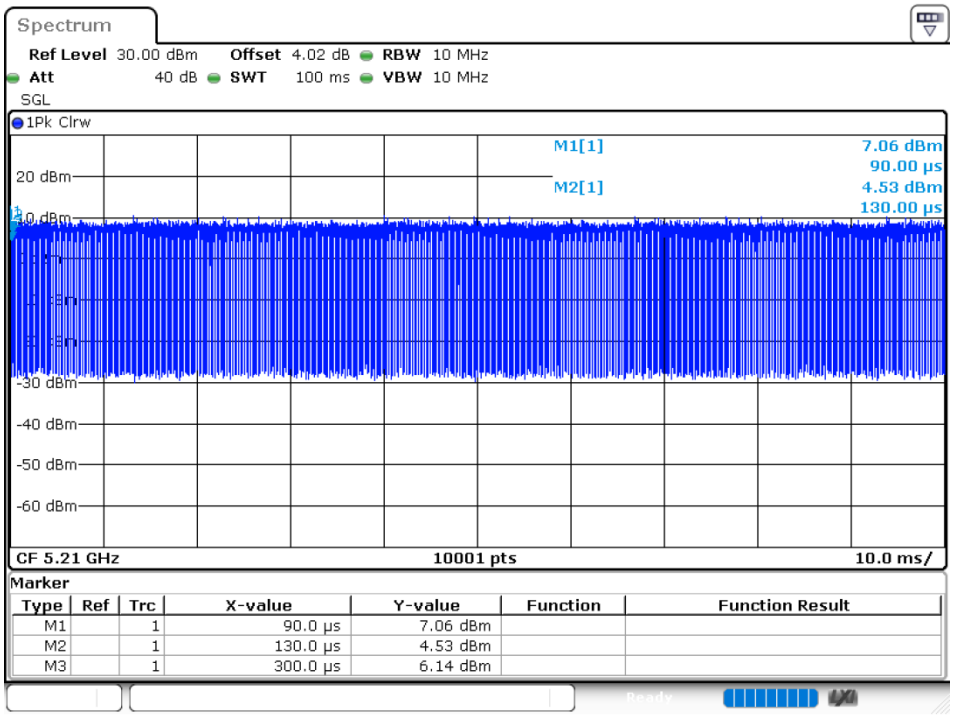
Duty Cycle NVNT ac40 5190MHz Ant2



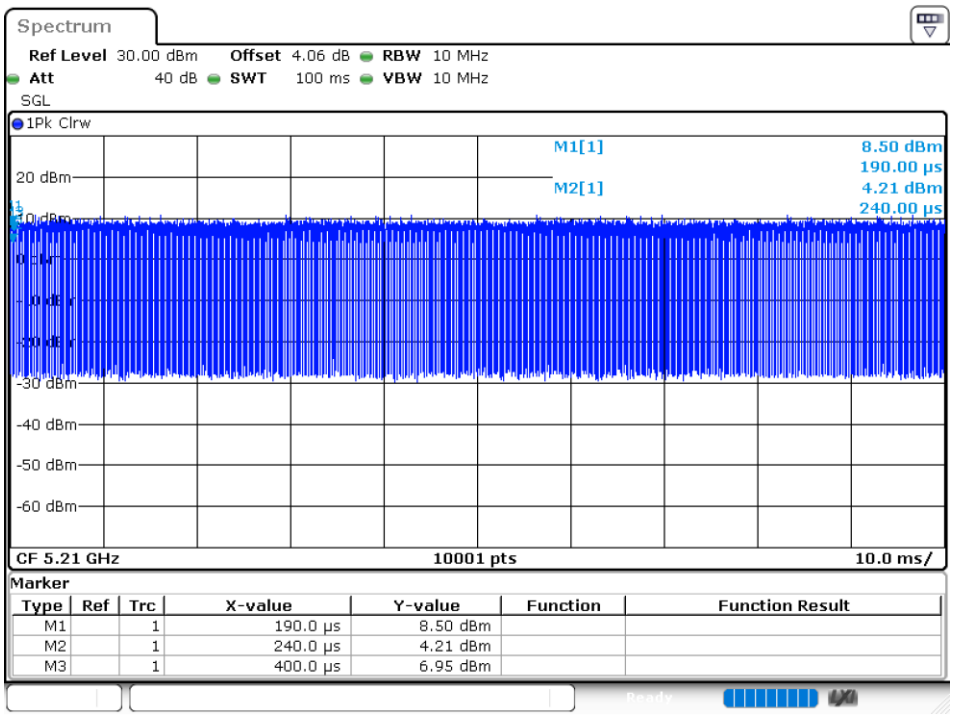
Duty Cycle NVNT ac40 5230MHz Ant2



Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant2



Maximum Conducted Output Power

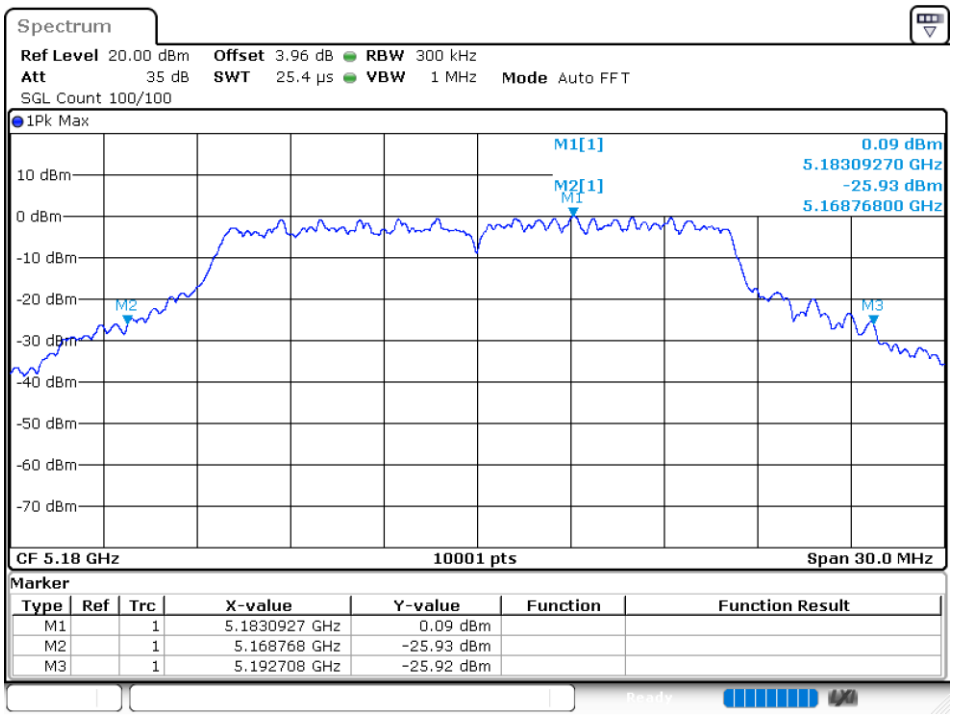
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.75	0	10.75	24	Pass
NVNT	a	5200	Ant1	10.63	0	10.63	24	Pass
NVNT	a	5240	Ant1	10.68	0	10.68	24	Pass
NVNT	a	5180	Ant2	10.33	0	10.33	24	Pass
NVNT	a	5200	Ant2	10.53	0	10.53	24	Pass
NVNT	a	5240	Ant2	10.62	0	10.62	24	Pass
NVNT	n20	5180	Ant1	10.8	0	10.8	24	Pass
NVNT	n20	5200	Ant1	10.62	0	10.62	24	Pass
NVNT	n20	5240	Ant1	10.62	0	10.62	24	Pass
NVNT	n20	5180	Ant2	10.3	0	10.3	24	Pass
NVNT	n20	5200	Ant2	10.46	0	10.46	24	Pass
NVNT	n20	5240	Ant2	10.62	0	10.62	24	Pass
NVNT	n40	5190	Ant1	10.78	0	10.78	24	Pass
NVNT	n40	5230	Ant1	10.78	0	10.78	24	Pass
NVNT	n40	5190	Ant2	10.54	0	10.54	24	Pass
NVNT	n40	5230	Ant2	10.6	0	10.6	24	Pass
NVNT	ac20	5180	Ant1	10.76	0	10.76	24	Pass
NVNT	ac20	5200	Ant1	10.68	0	10.68	24	Pass
NVNT	ac20	5240	Ant1	10.62	0	10.62	24	Pass
NVNT	ac20	5180	Ant2	10.3	0	10.3	24	Pass
NVNT	ac20	5200	Ant2	10.38	0	10.38	24	Pass
NVNT	ac20	5240	Ant2	10.62	0	10.62	24	Pass
NVNT	ac40	5190	Ant1	10.71	0	10.71	24	Pass
NVNT	ac40	5230	Ant1	10.74	0	10.74	24	Pass
NVNT	ac40	5190	Ant2	10.54	0	10.54	24	Pass
NVNT	ac40	5230	Ant2	10.54	0	10.54	24	Pass
NVNT	ac80	5210	Ant1	10.46	0	10.46	24	Pass
NVNT	ac80	5210	Ant2	10.78	0	10.78	24	Pass

-26dB Bandwidth

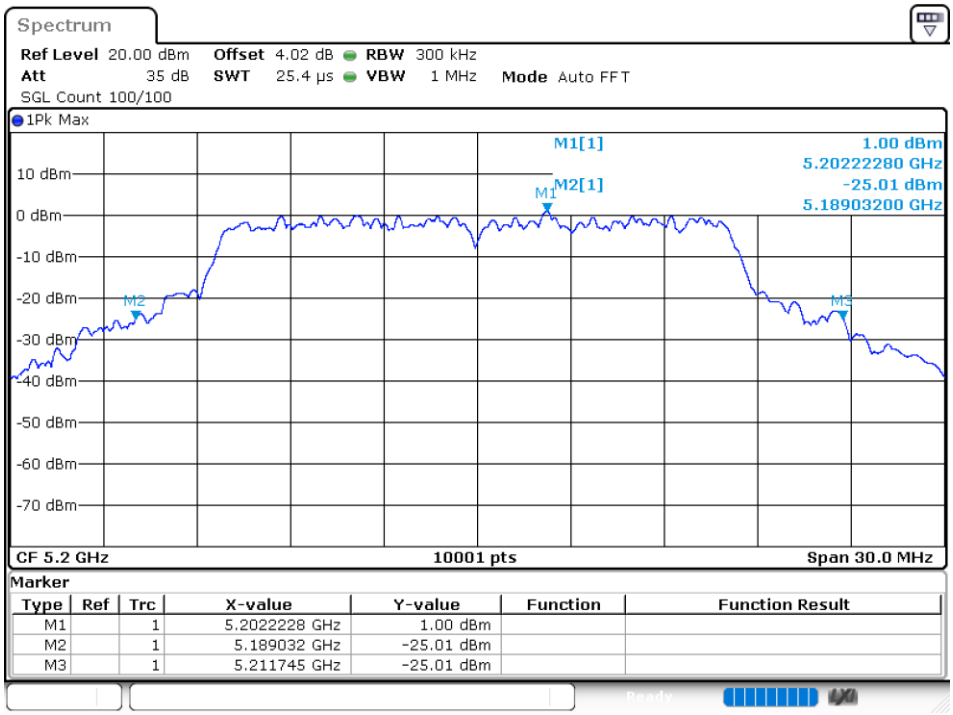
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.94	Pass
NVNT	a	5200	Ant1	22.713	Pass
NVNT	a	5240	Ant1	22.758	Pass
NVNT	a	5180	Ant2	22.161	Pass
NVNT	a	5200	Ant2	21.615	Pass
NVNT	a	5240	Ant2	22.107	Pass
NVNT	n20	5180	Ant1	23.451	Pass
NVNT	n20	5200	Ant1	23.337	Pass
NVNT	n20	5240	Ant1	24.108	Pass
NVNT	n20	5180	Ant2	22.668	Pass
NVNT	n20	5200	Ant2	22.809	Pass
NVNT	n20	5240	Ant2	22.11	Pass
NVNT	n40	5190	Ant1	45.15	Pass
NVNT	n40	5230	Ant1	45	Pass
NVNT	n40	5190	Ant2	44.172	Pass
NVNT	n40	5230	Ant2	43.05	Pass
NVNT	ac20	5180	Ant1	24.195	Pass
NVNT	ac20	5200	Ant1	23.433	Pass
NVNT	ac20	5240	Ant1	24.096	Pass
NVNT	ac20	5180	Ant2	23.13	Pass
NVNT	ac20	5200	Ant2	22.83	Pass
NVNT	ac20	5240	Ant2	21.912	Pass
NVNT	ac40	5190	Ant1	44.802	Pass
NVNT	ac40	5230	Ant1	44.562	Pass
NVNT	ac40	5190	Ant2	44.028	Pass
NVNT	ac40	5230	Ant2	43.104	Pass
NVNT	ac80	5210	Ant1	84.984	Pass
NVNT	ac80	5210	Ant2	85.128	Pass

Test Graphs

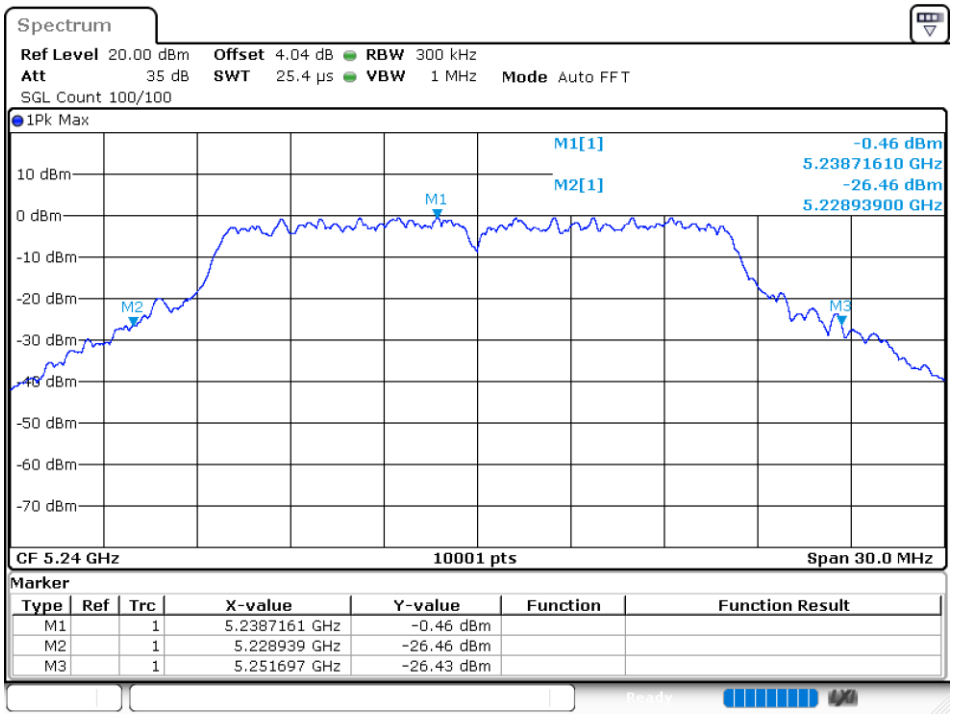
-26dB Bandwidth NVNT a 5180MHz Ant1



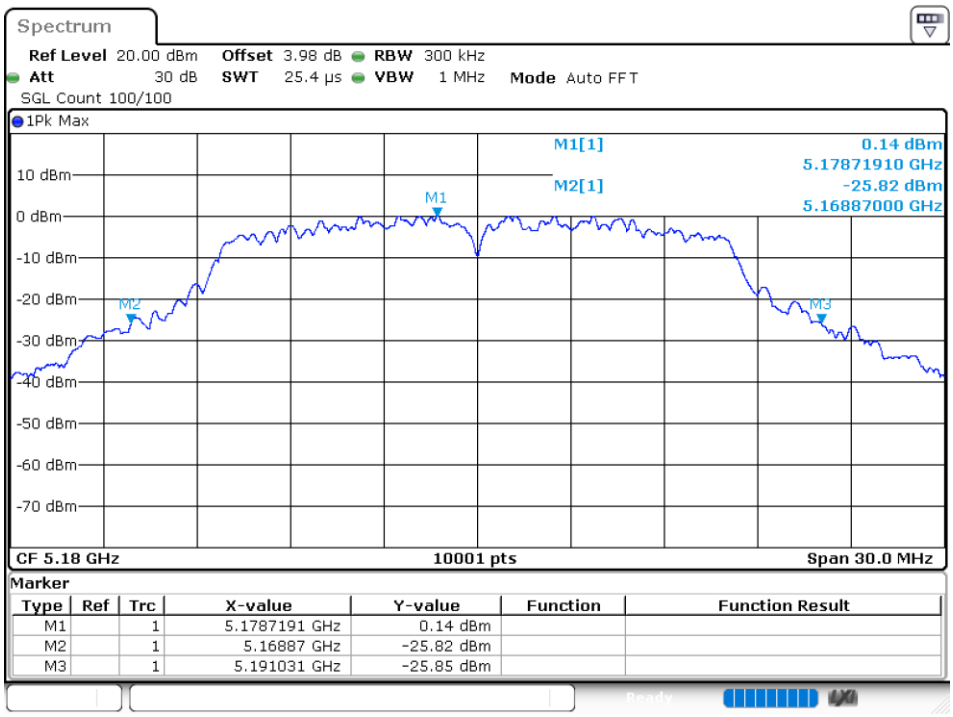
-26dB Bandwidth NVNT a 5200MHz Ant1



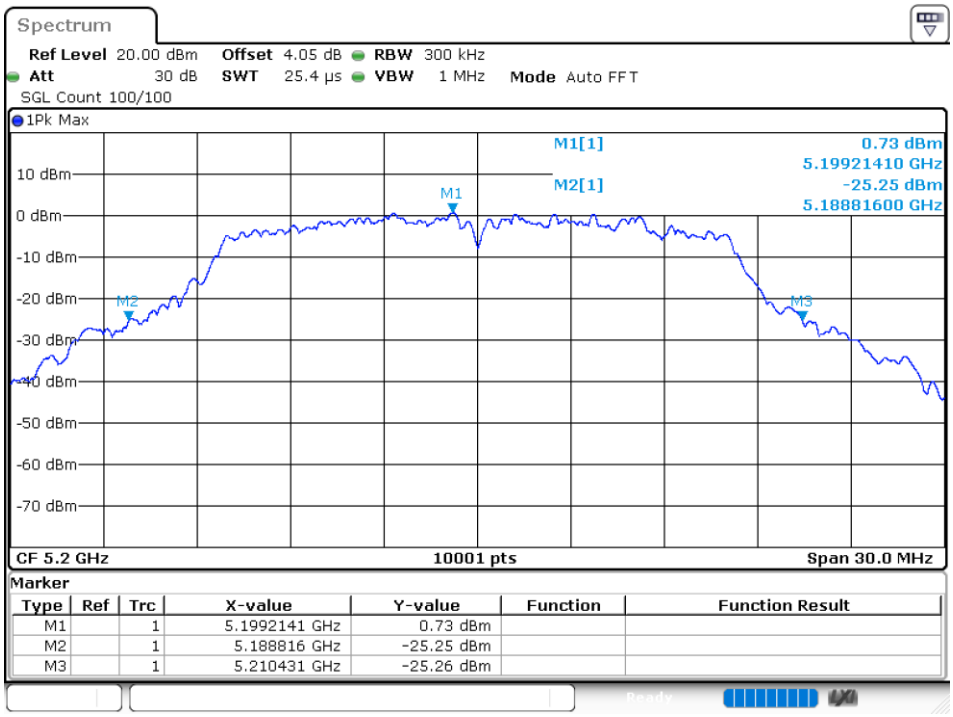
-26dB Bandwidth NVNT a 5240MHz Ant1



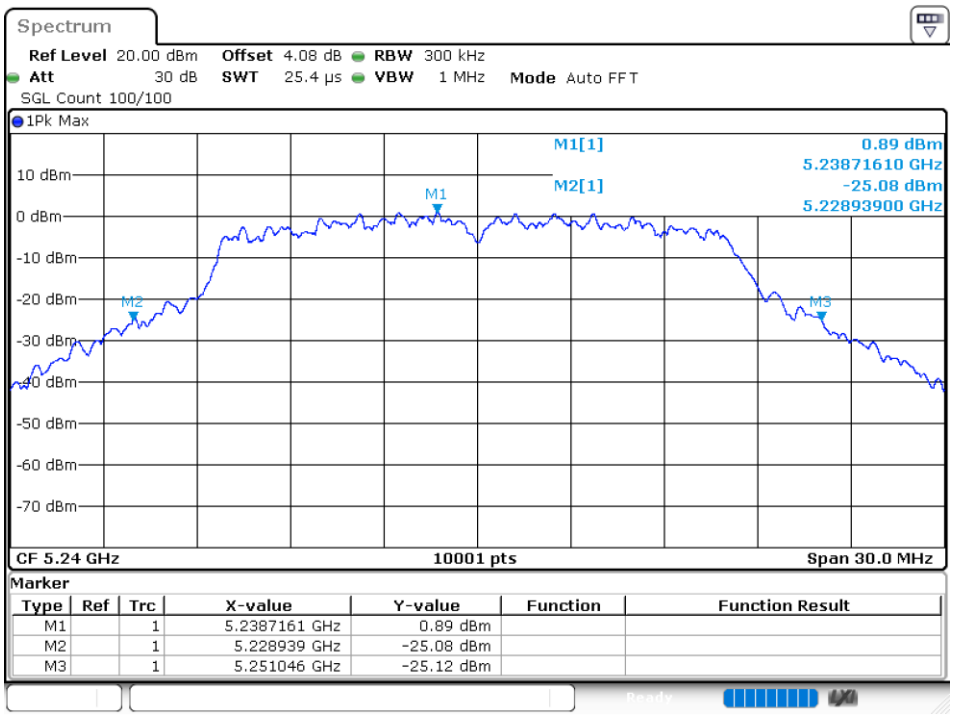
-26dB Bandwidth NVNT a 5180MHz Ant2



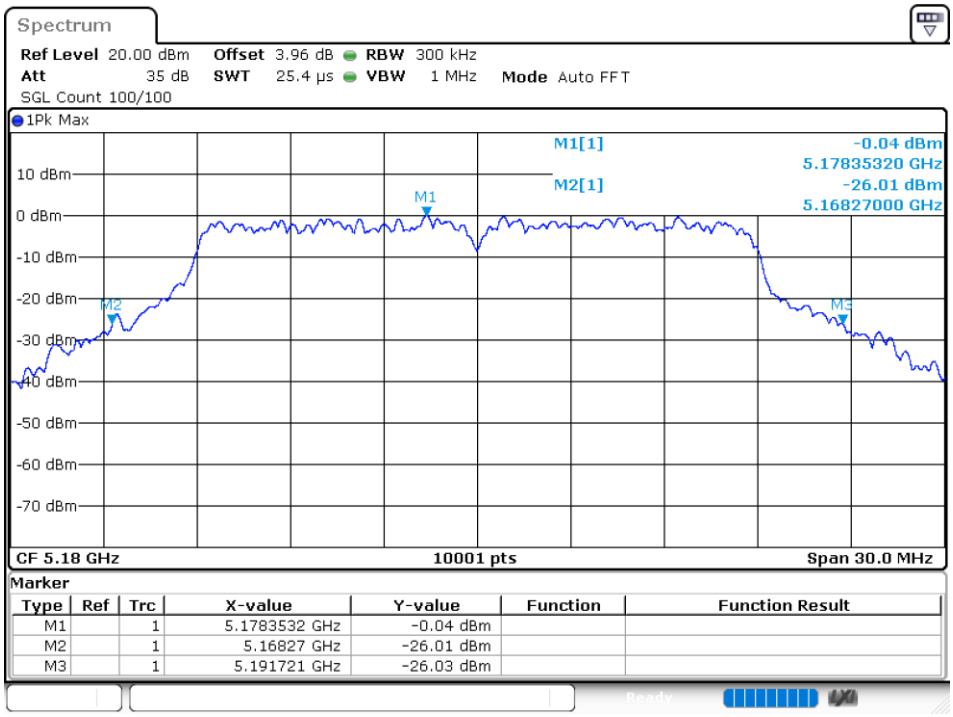
-26dB Bandwidth NVNT a 5200MHz Ant2



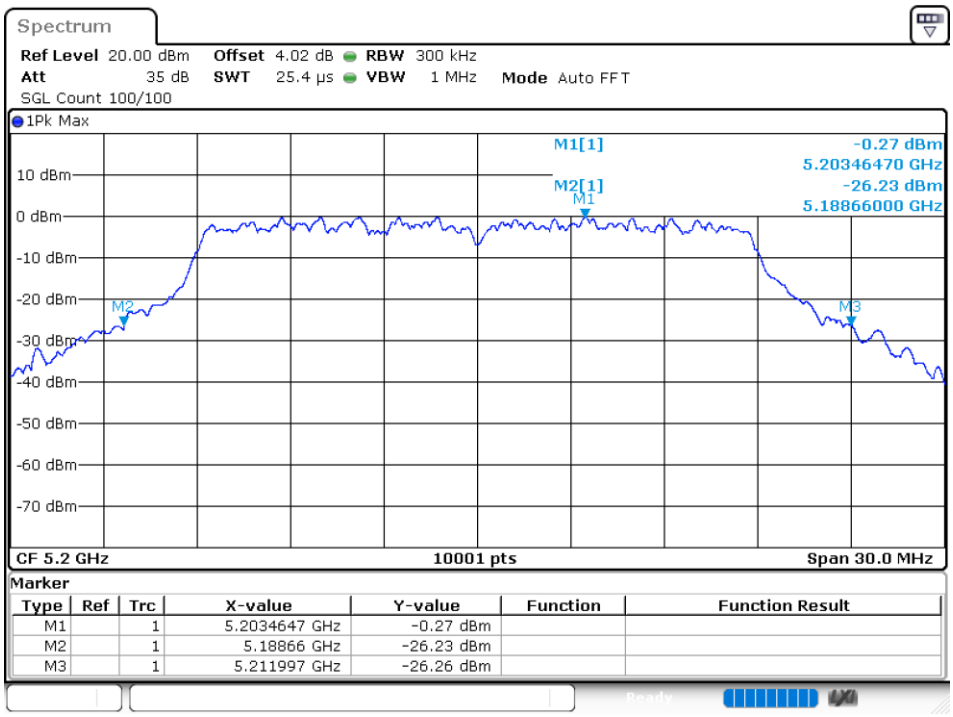
-26dB Bandwidth NVNT a 5240MHz Ant2



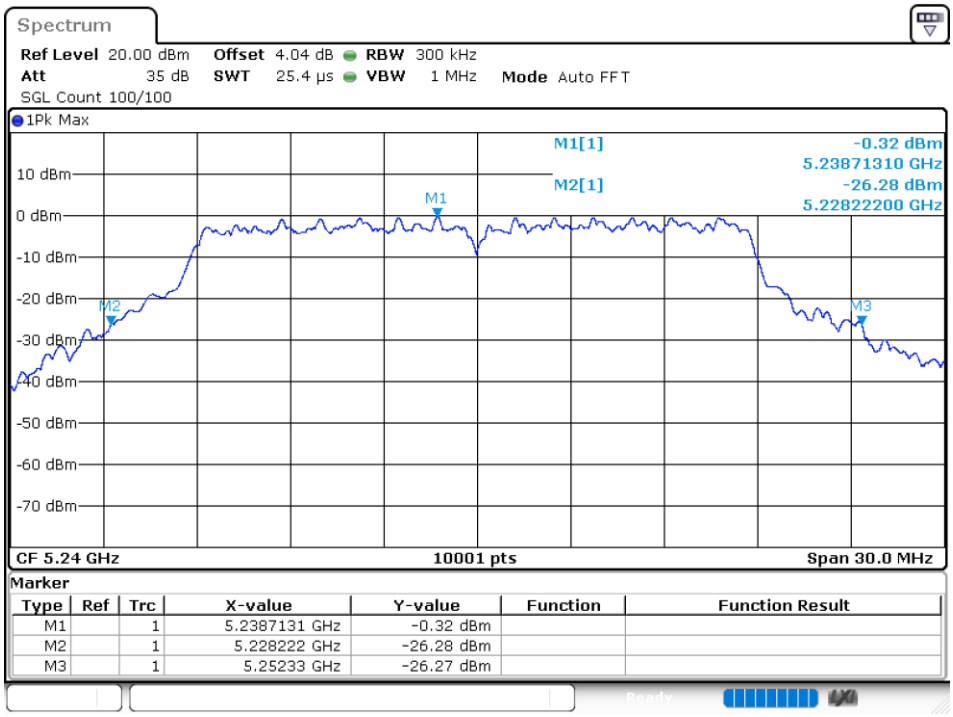
-26dB Bandwidth NVNT n20 5180MHz Ant1



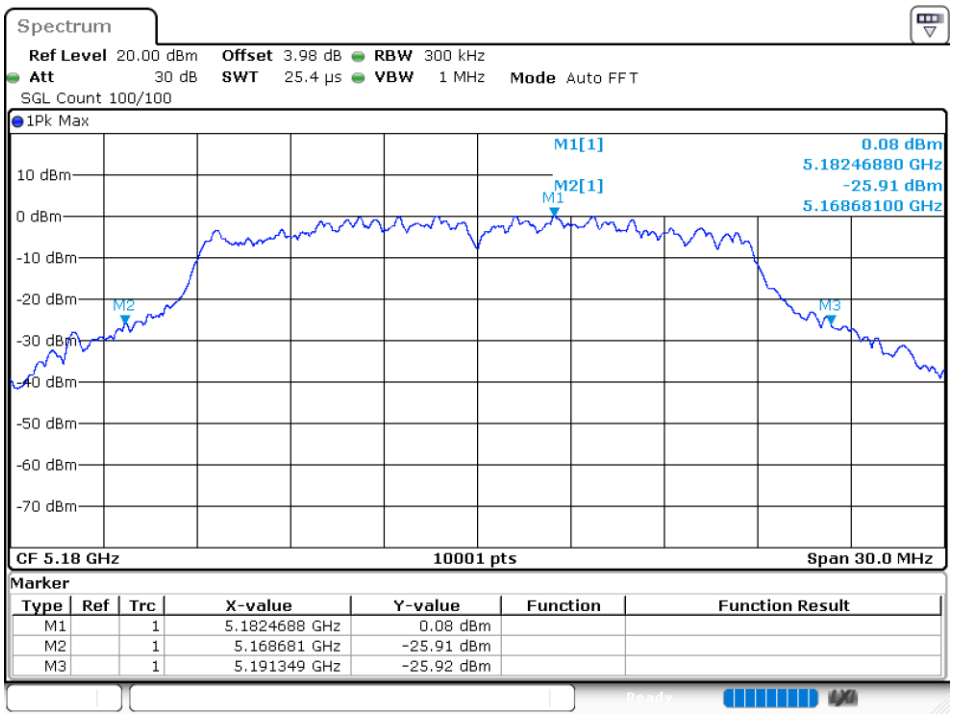
-26dB Bandwidth NVNT n20 5200MHz Ant1



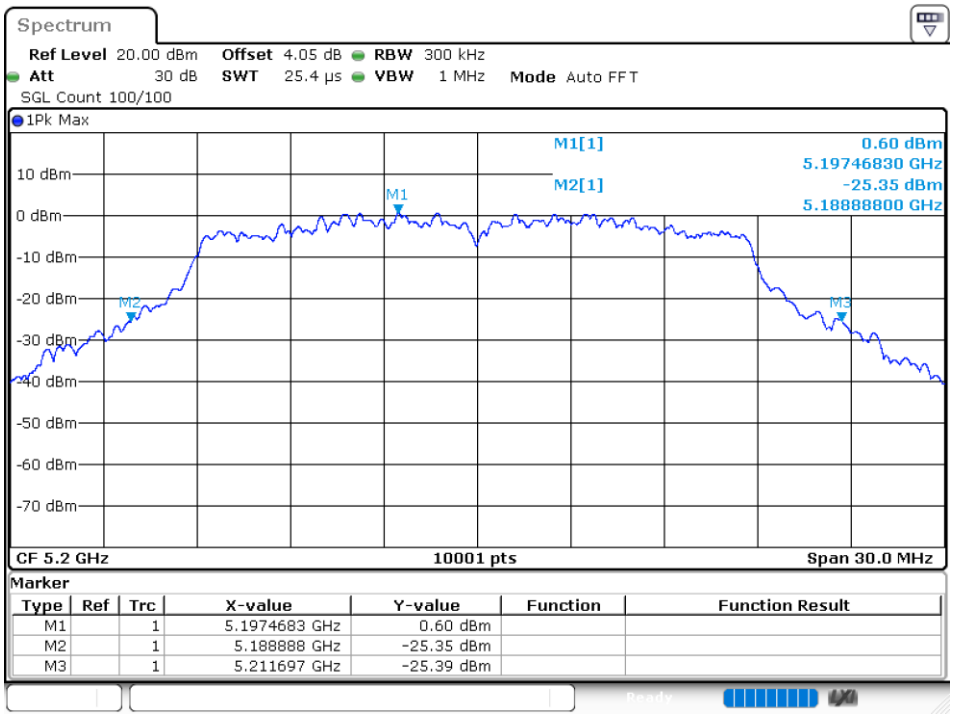
-26dB Bandwidth NVNT n20 5240MHz Ant1



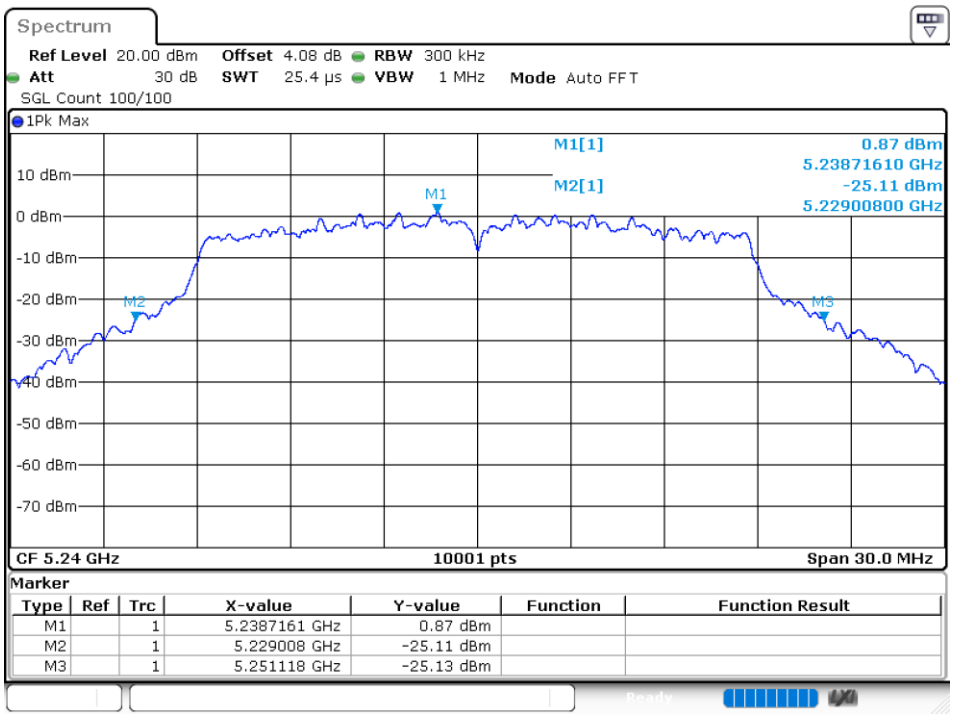
-26dB Bandwidth NVNT n20 5180MHz Ant2



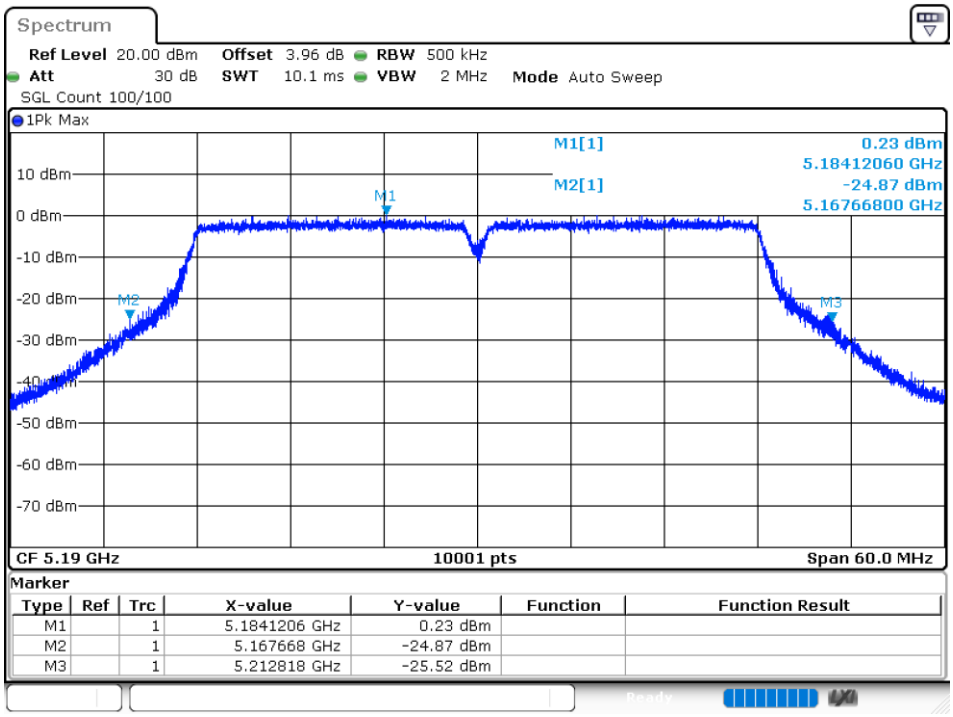
-26dB Bandwidth NVNT n20 5200MHz Ant2



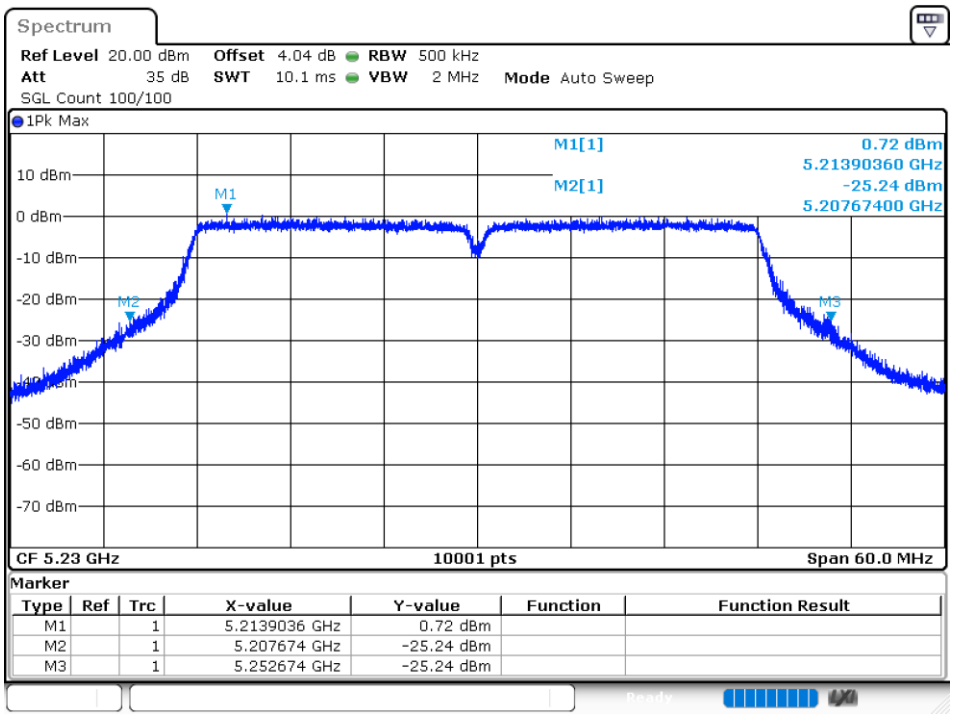
-26dB Bandwidth NVNT n20 5240MHz Ant2



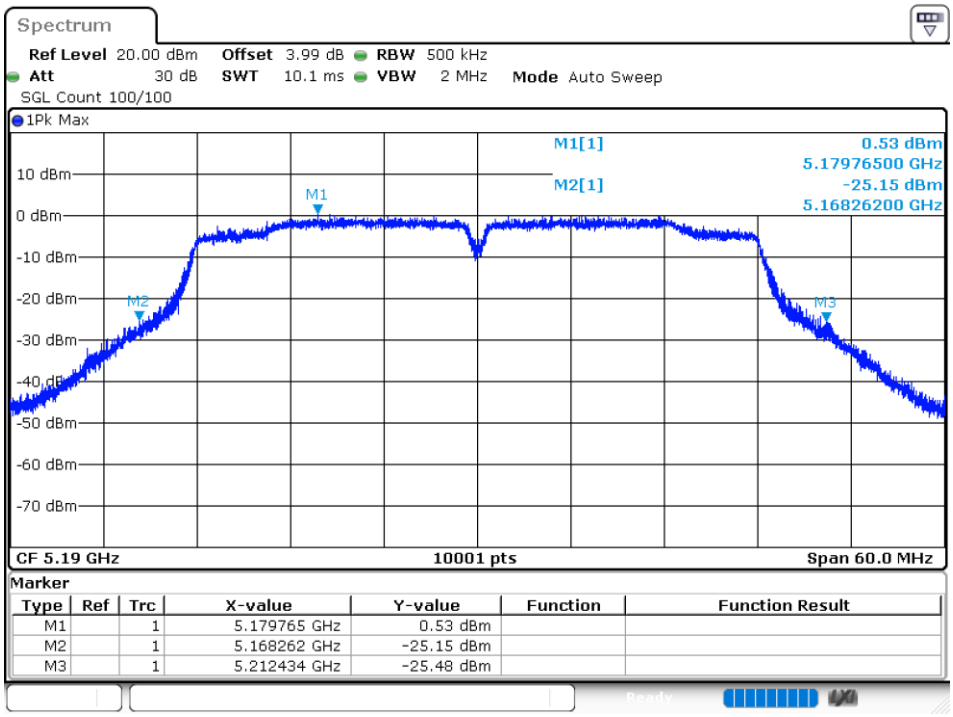
-26dB Bandwidth NVNT n40 5190MHz Ant1



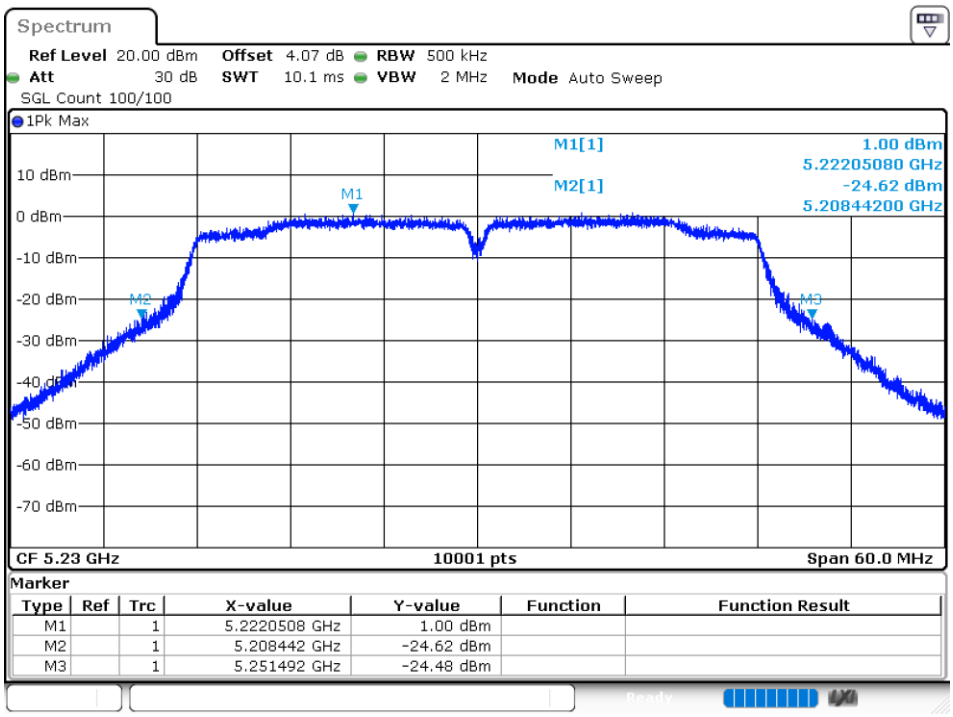
-26dB Bandwidth NVNT n40 5230MHz Ant1



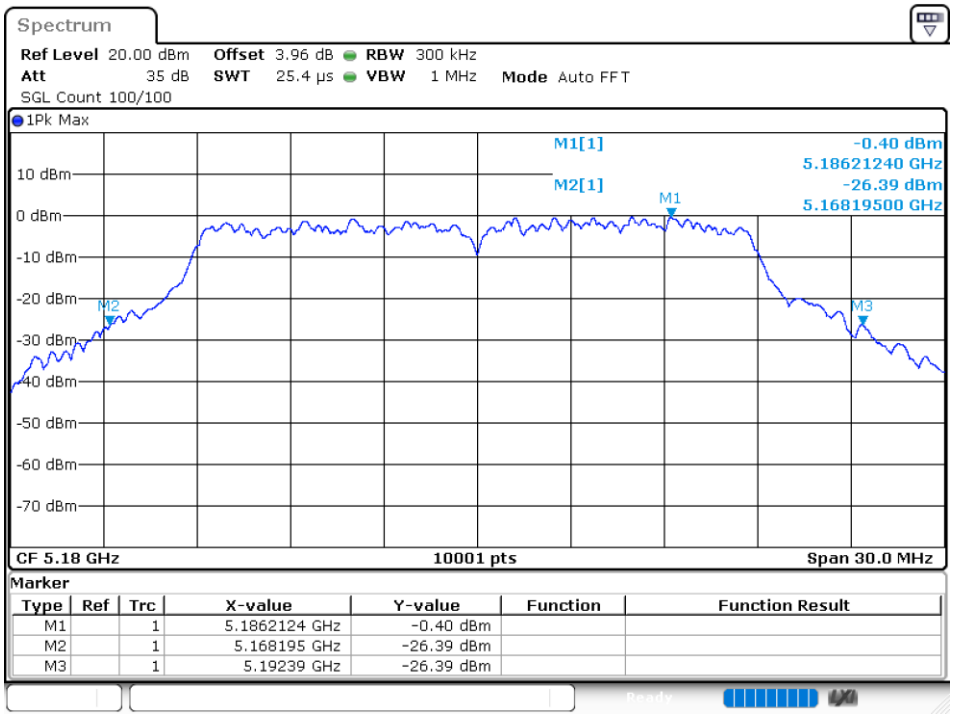
-26dB Bandwidth NVNT n40 5190MHz Ant2



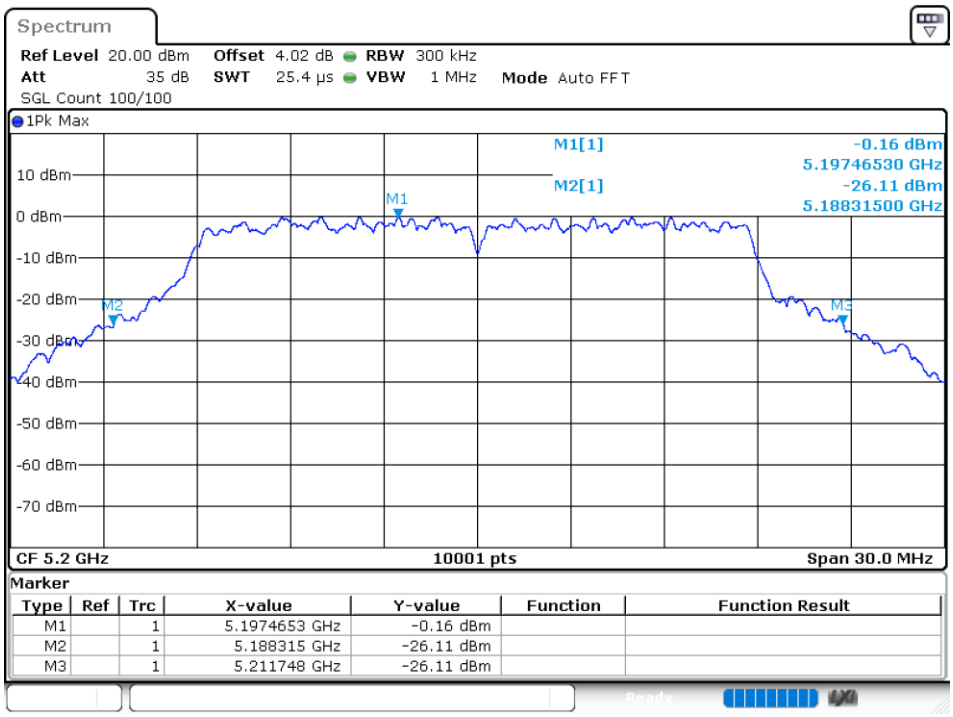
-26dB Bandwidth NVNT n40 5230MHz Ant2



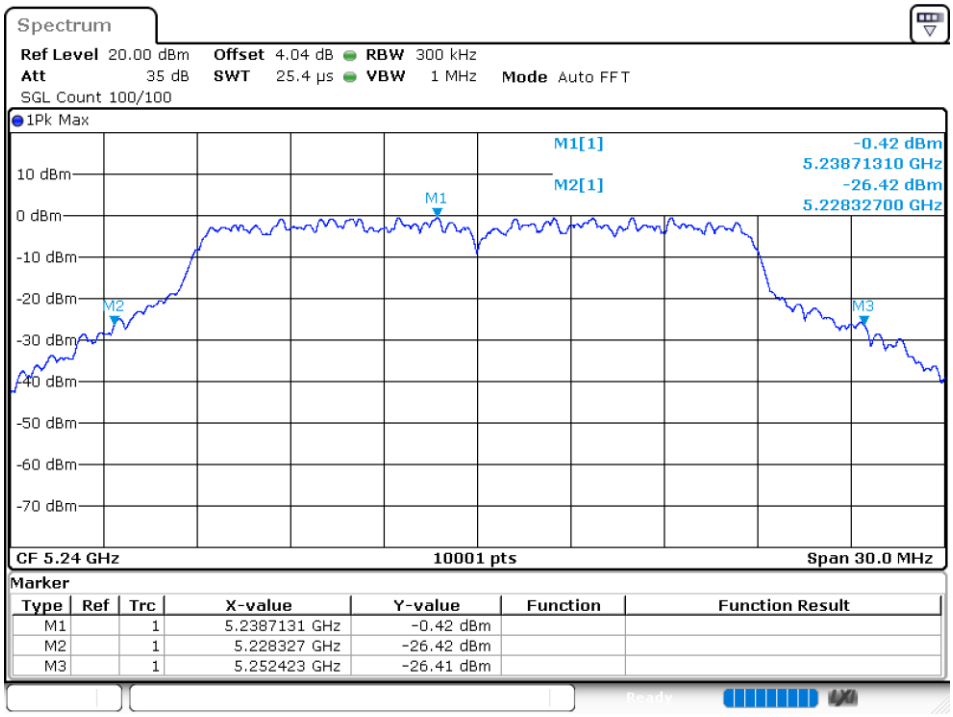
-26dB Bandwidth NVNT ac20 5180MHz Ant1



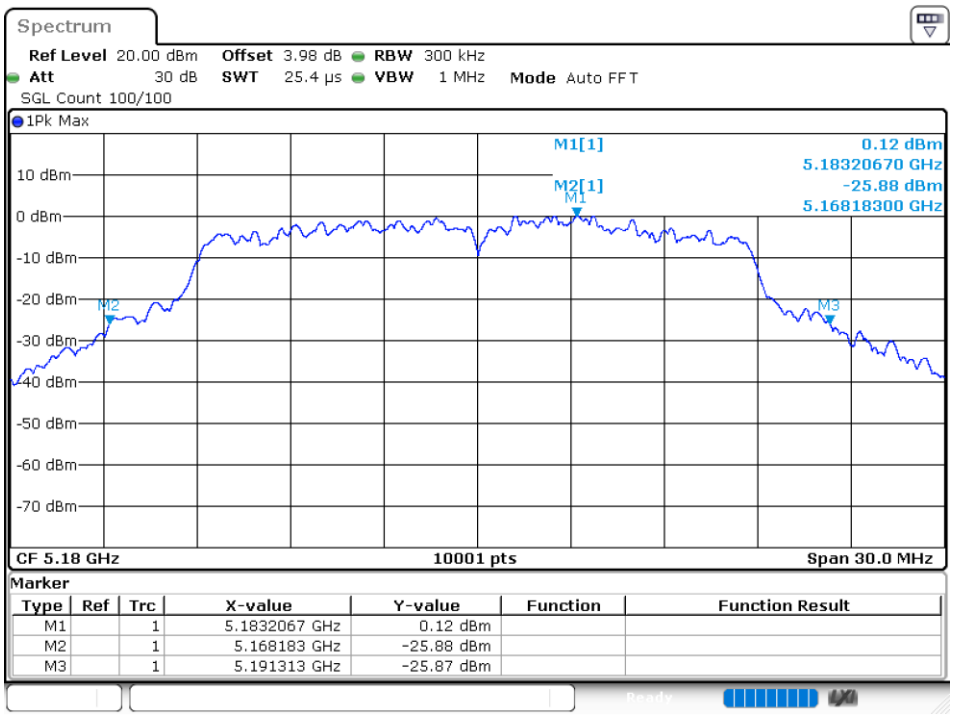
-26dB Bandwidth NVNT ac20 5200MHz Ant1



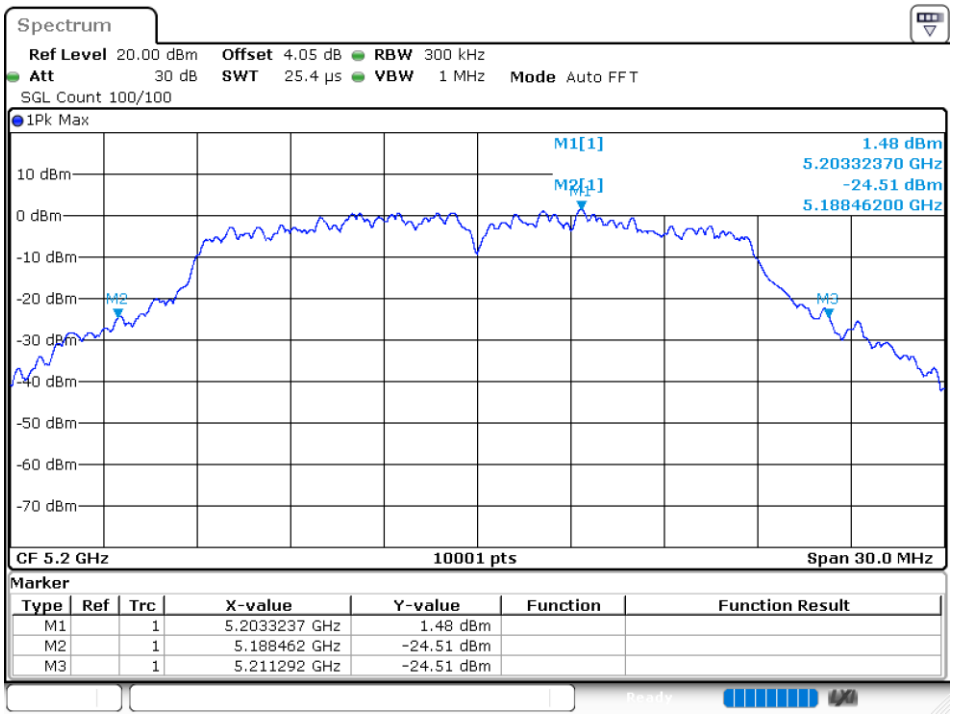
-26dB Bandwidth NVNT ac20 5240MHz Ant1



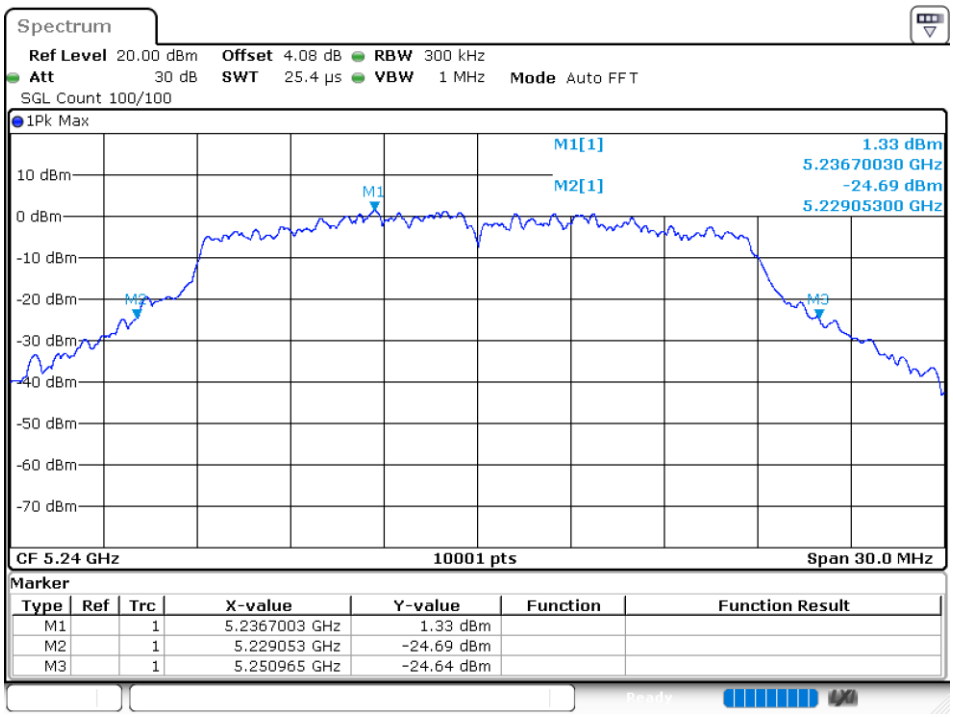
-26dB Bandwidth NVNT ac20 5180MHz Ant2



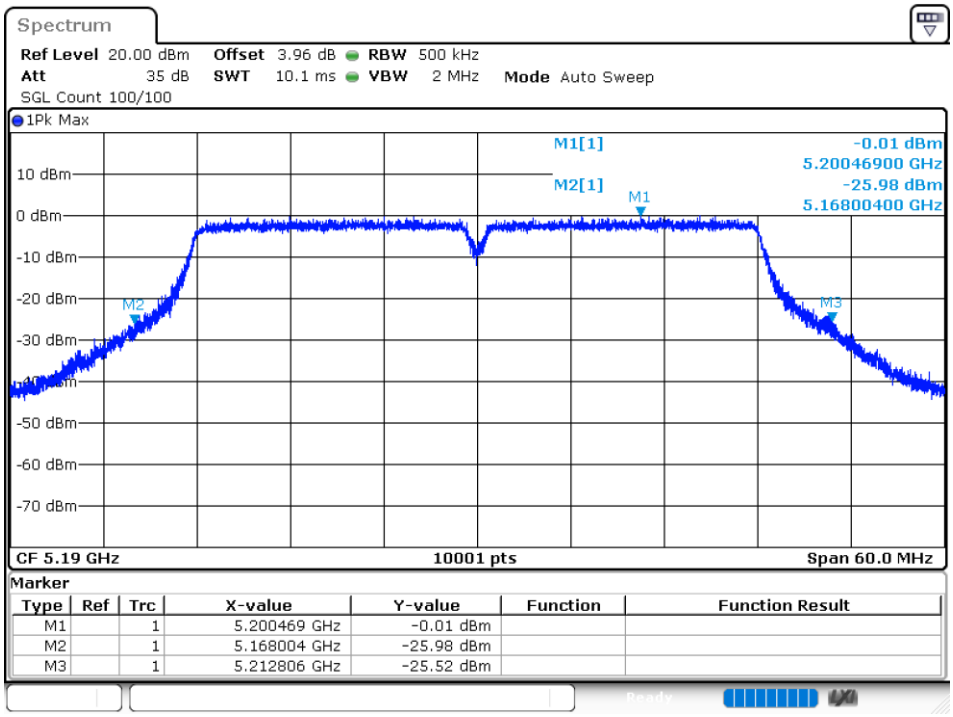
-26dB Bandwidth NVNT ac20 5200MHz Ant2



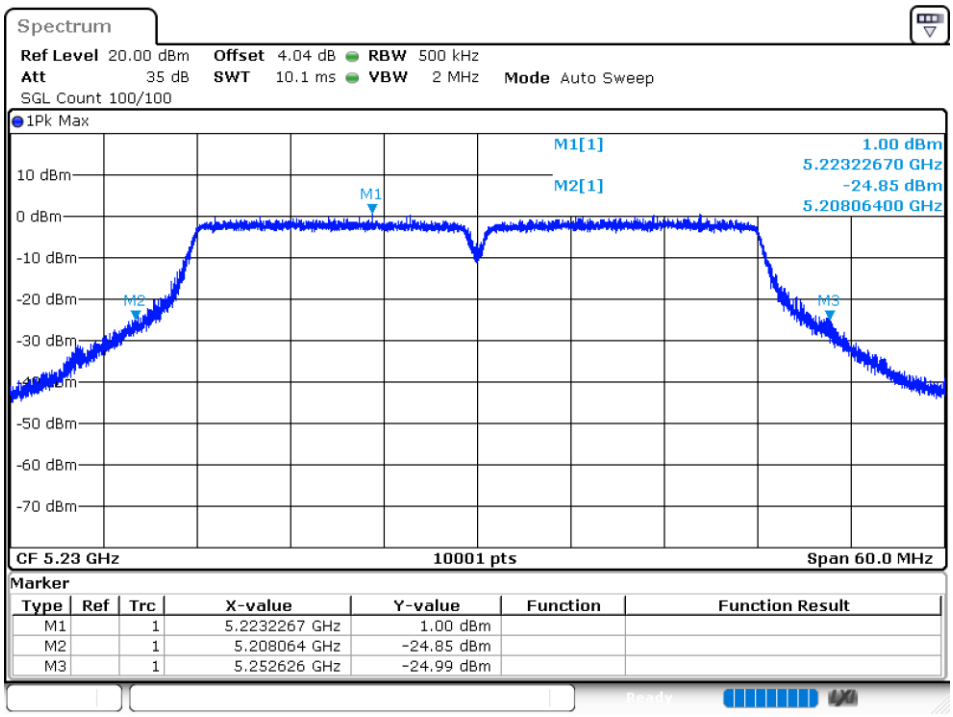
-26dB Bandwidth NVNT ac20 5240MHz Ant2



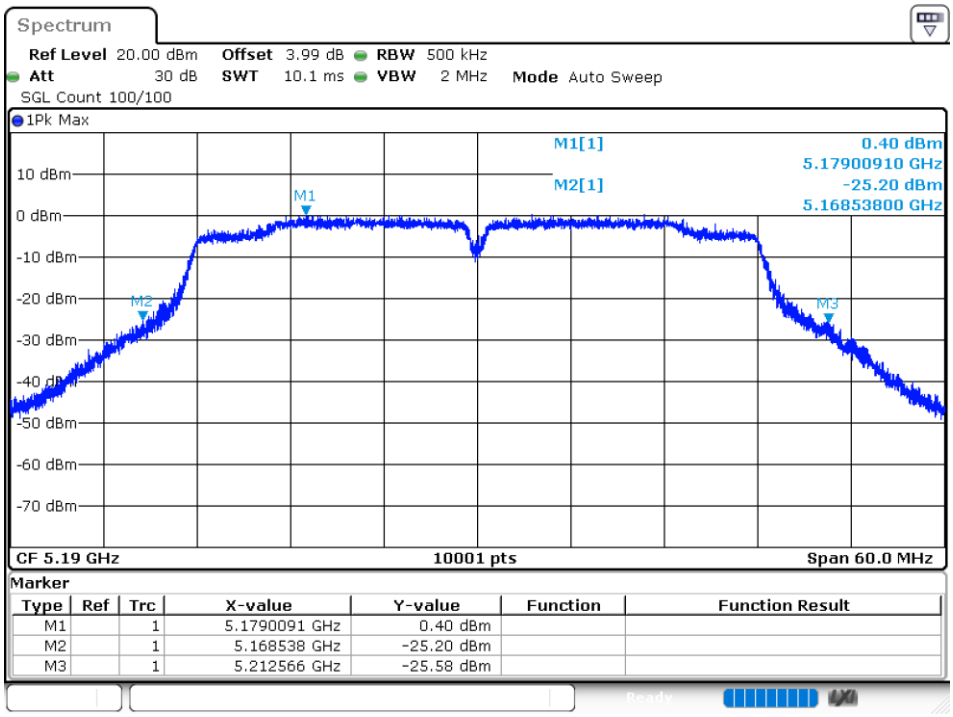
-26dB Bandwidth NVNT ac40 5190MHz Ant1



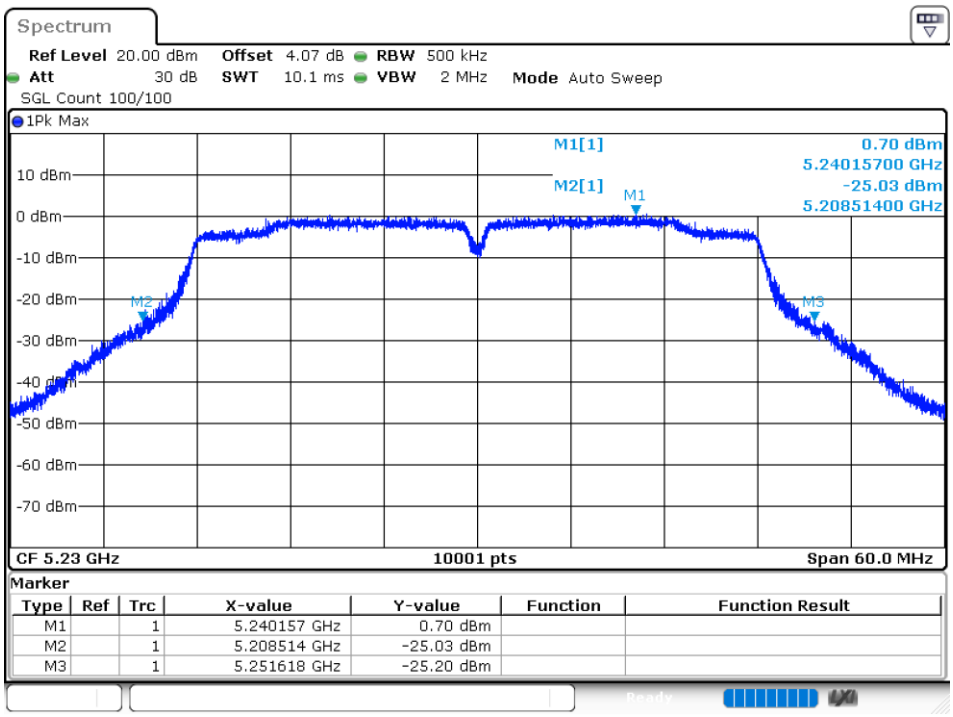
-26dB Bandwidth NVNT ac40 5230MHz Ant1



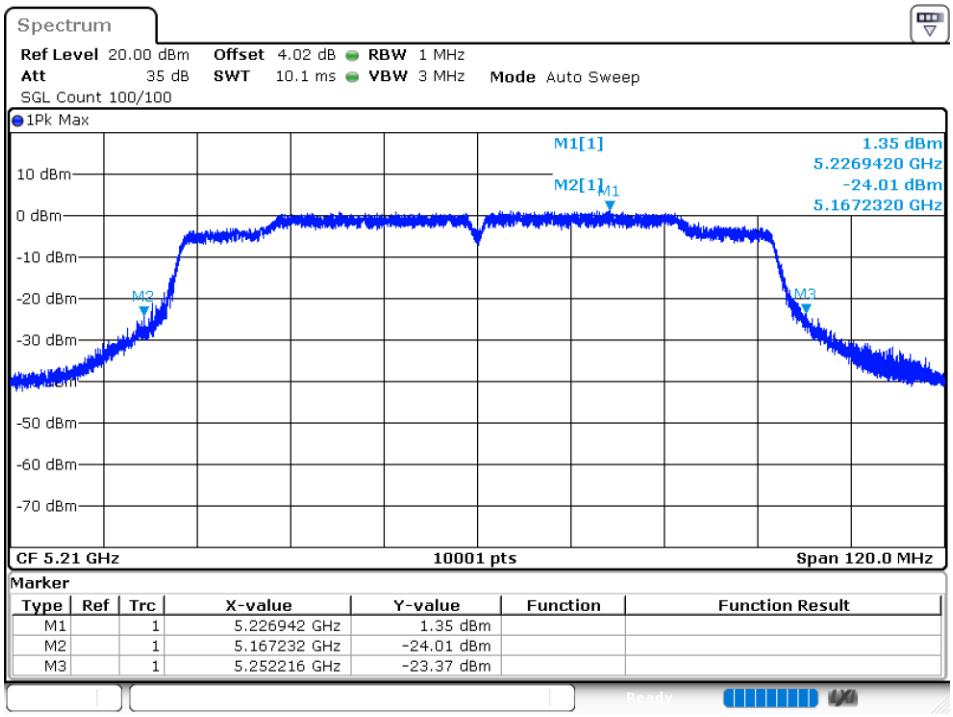
-26dB Bandwidth NVNT ac40 5190MHz Ant2



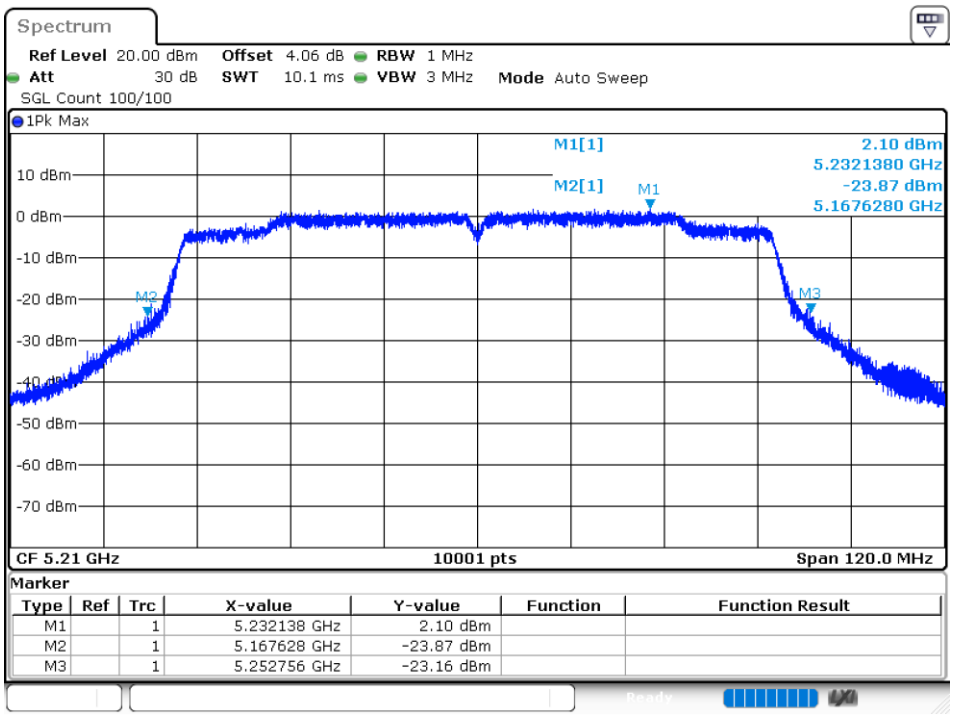
-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant2

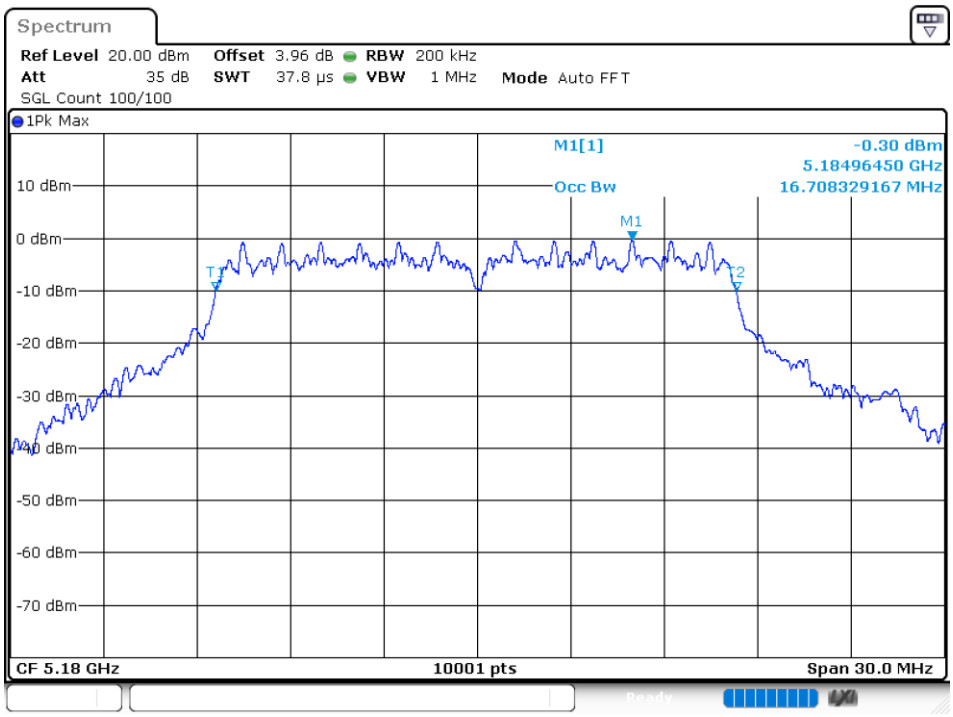


Occupied Channel Bandwidth

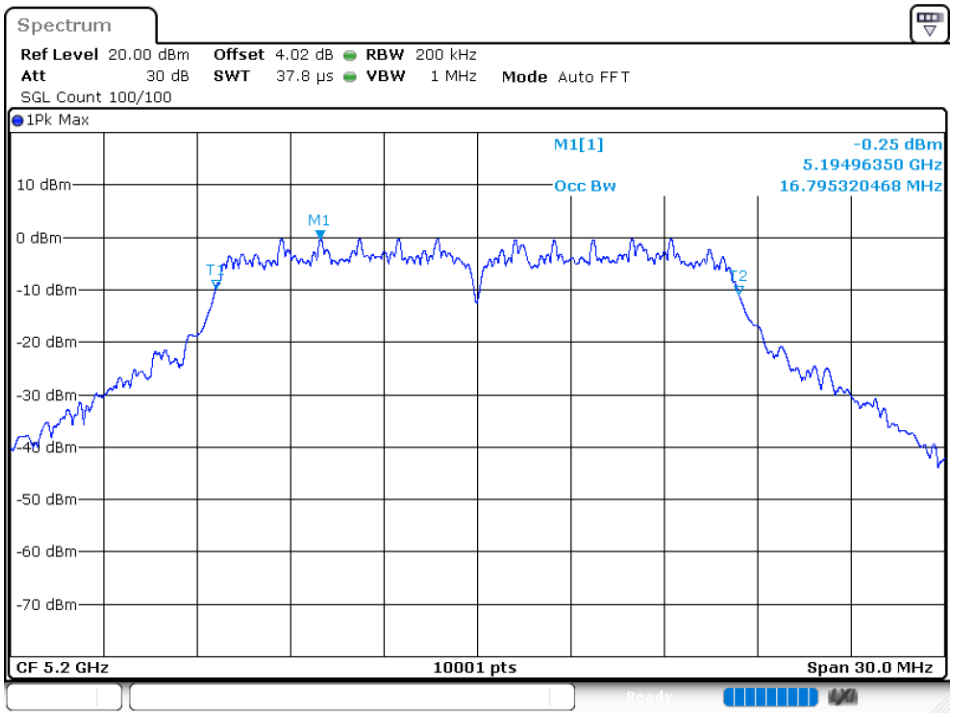
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.708
NVNT	a	5200	Ant1	16.795
NVNT	a	5240	Ant1	16.633
NVNT	a	5180	Ant2	16.543
NVNT	a	5200	Ant2	16.438
NVNT	a	5240	Ant2	16.501
NVNT	n20	5180	Ant1	17.719
NVNT	n20	5200	Ant1	17.758
NVNT	n20	5240	Ant1	17.83
NVNT	n20	5180	Ant2	17.581
NVNT	n20	5200	Ant2	17.626
NVNT	n20	5240	Ant2	17.683
NVNT	n40	5190	Ant1	36.476
NVNT	n40	5230	Ant1	36.452
NVNT	n40	5190	Ant2	36.05
NVNT	n40	5230	Ant2	36.134
NVNT	ac20	5180	Ant1	17.803
NVNT	ac20	5200	Ant1	17.878
NVNT	ac20	5240	Ant1	17.785
NVNT	ac20	5180	Ant2	17.647
NVNT	ac20	5200	Ant2	17.686
NVNT	ac20	5240	Ant2	17.635
NVNT	ac40	5190	Ant1	36.464
NVNT	ac40	5230	Ant1	36.47
NVNT	ac40	5190	Ant2	36.05
NVNT	ac40	5230	Ant2	36.068
NVNT	ac80	5210	Ant1	75.064
NVNT	ac80	5210	Ant2	75.088

Test Graphs

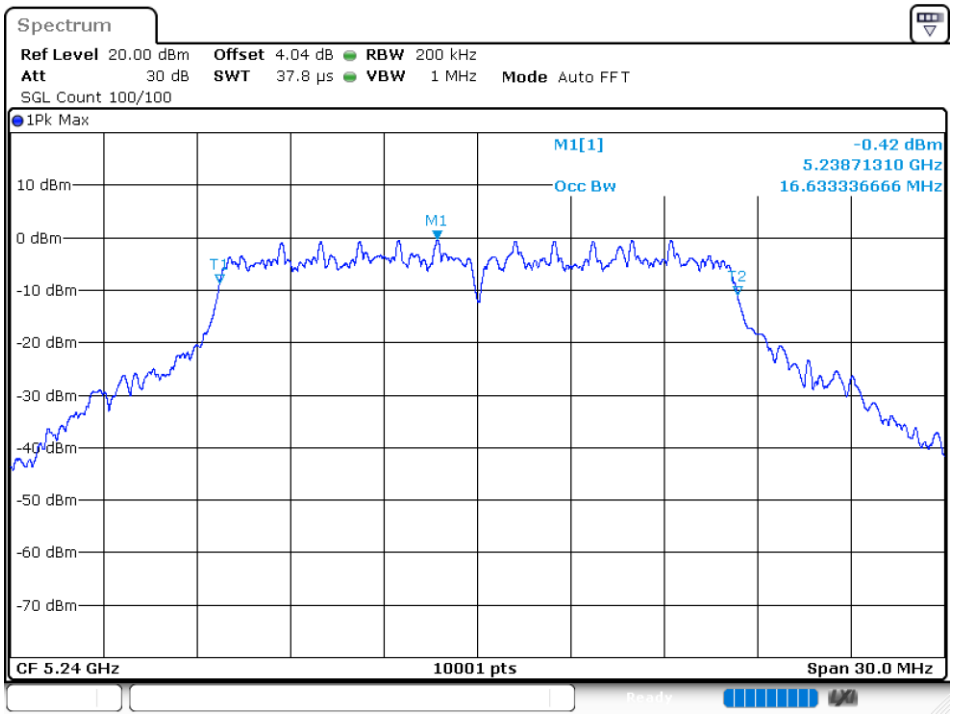
OBW NVNT a 5180MHz Ant1



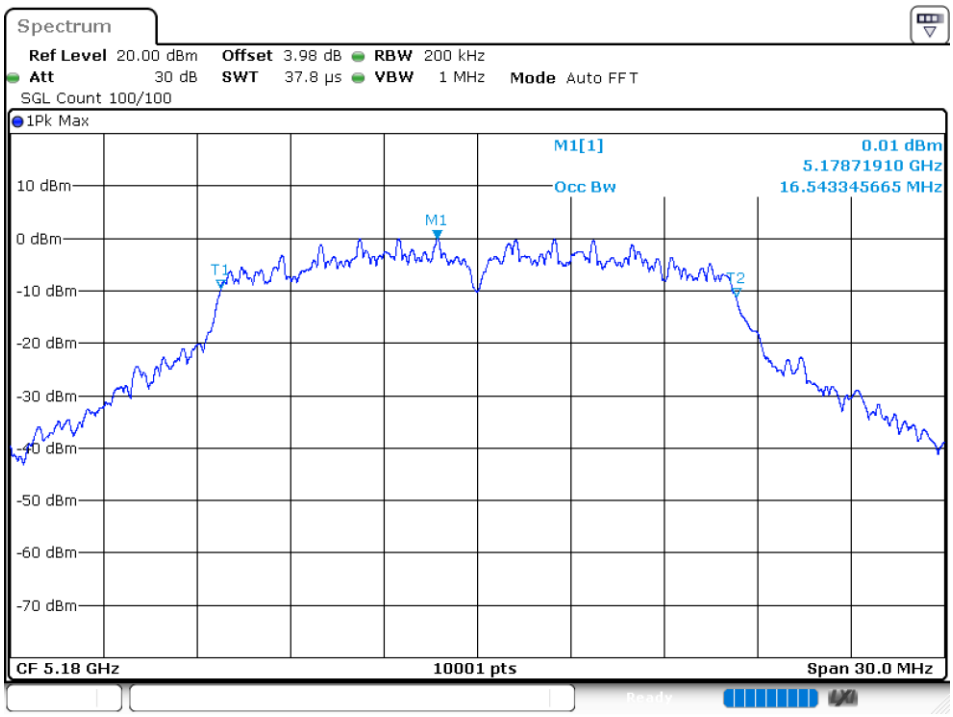
OBW NVNT a 5200MHz Ant1



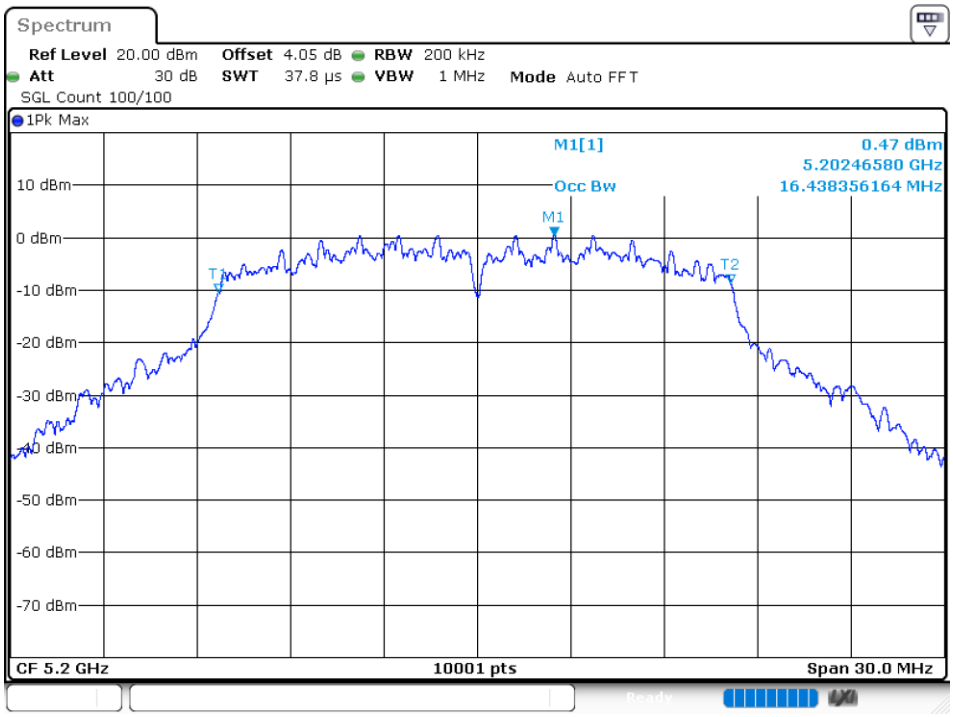
OBW NVNT a 5240MHz Ant1



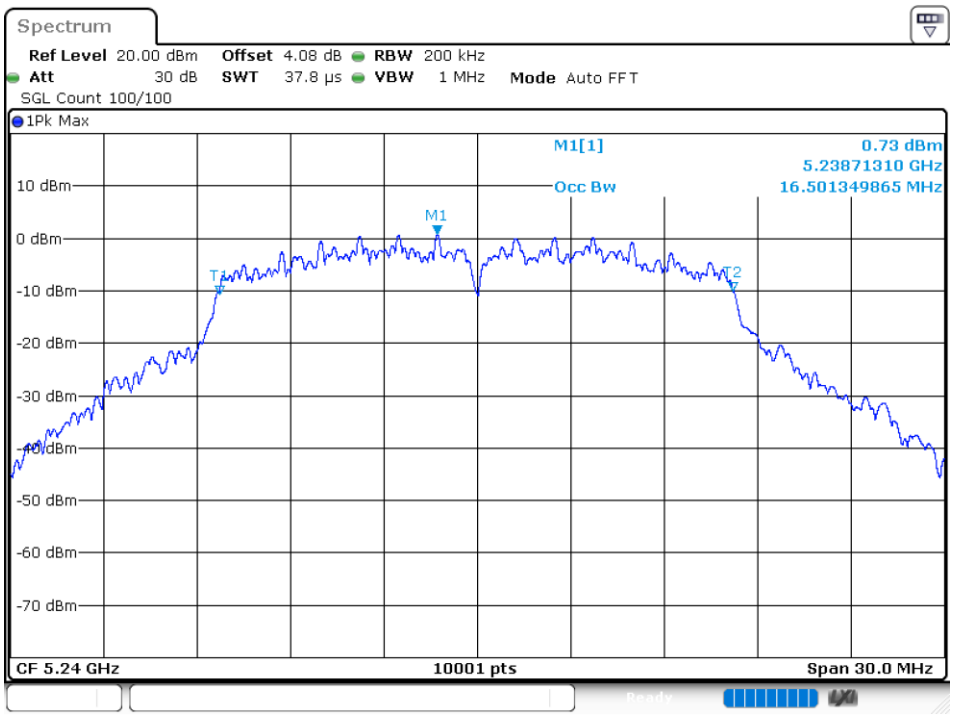
OBW NVNT a 5180MHz Ant2



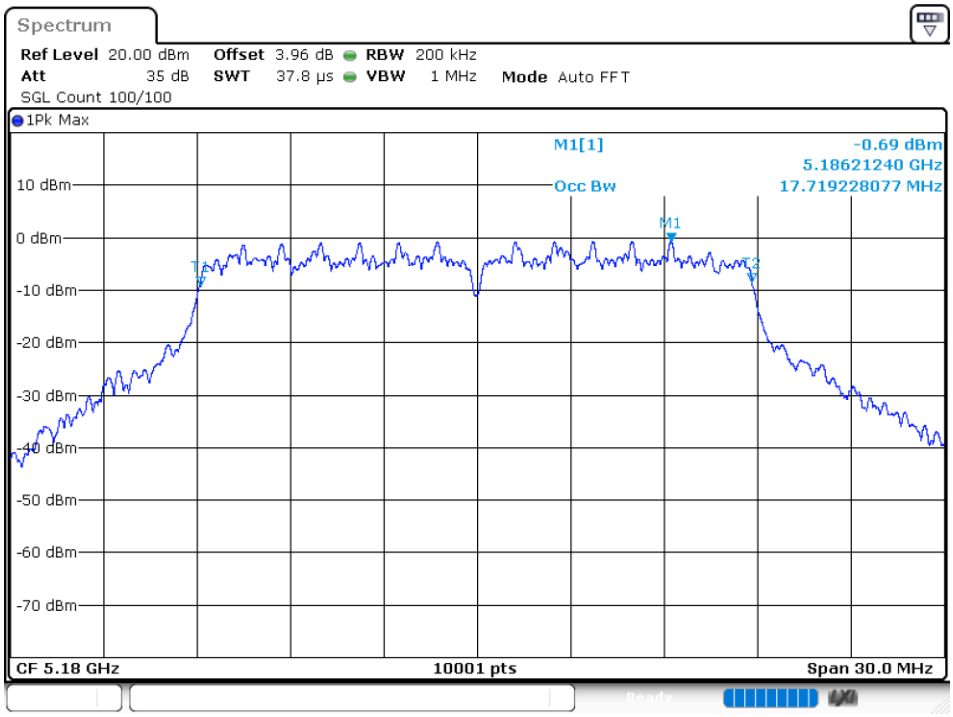
OBW NVNT a 5200MHz Ant2



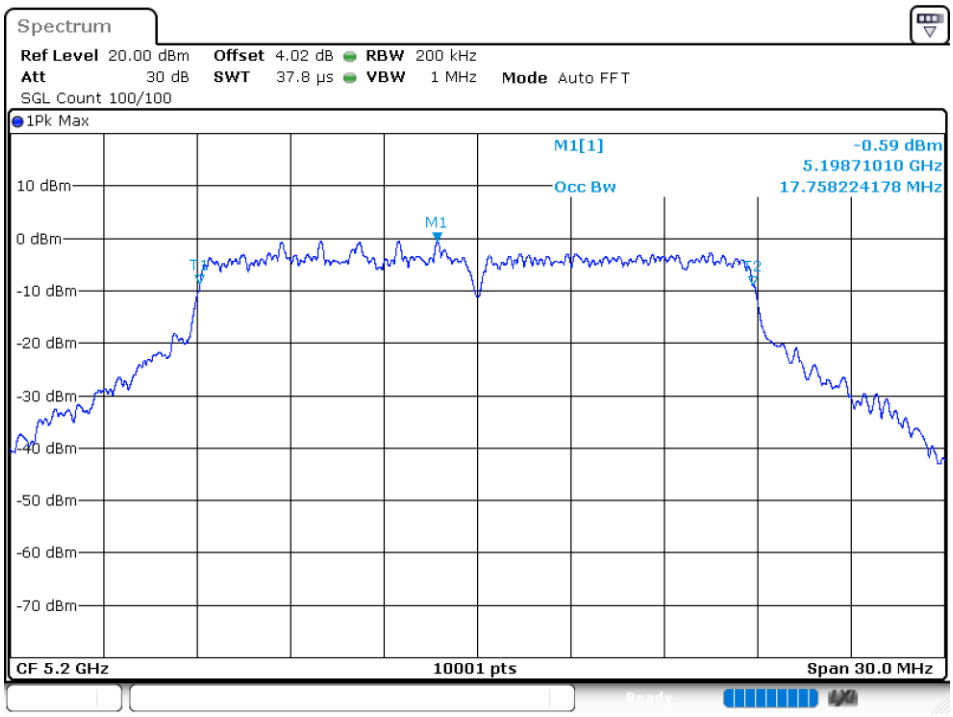
OBW NVNT a 5240MHz Ant2



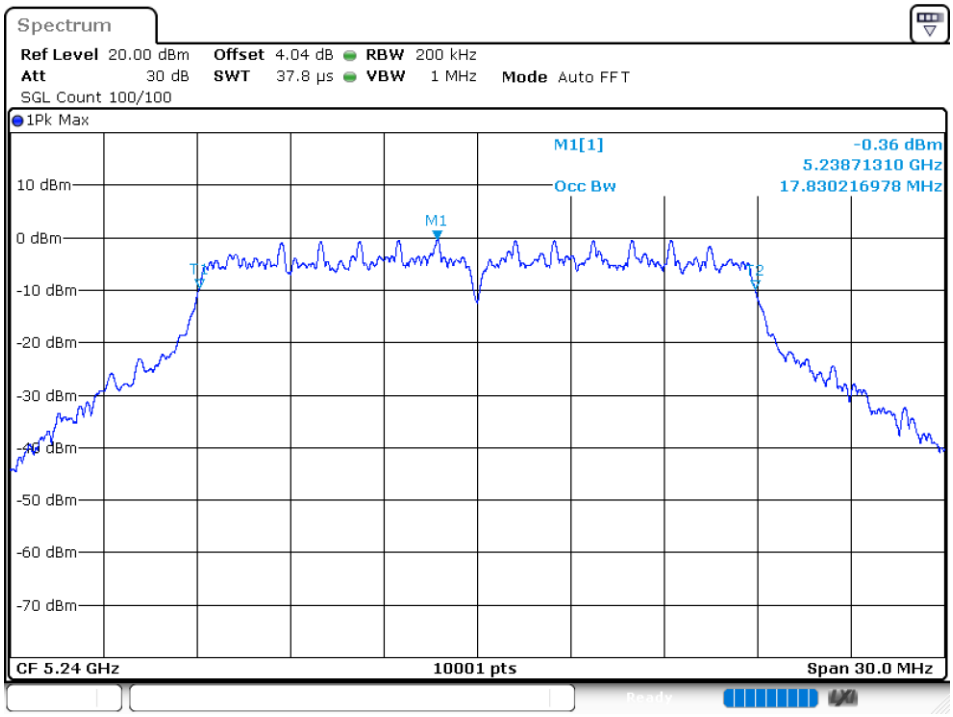
OBW NVNT n20 5180MHz Ant1



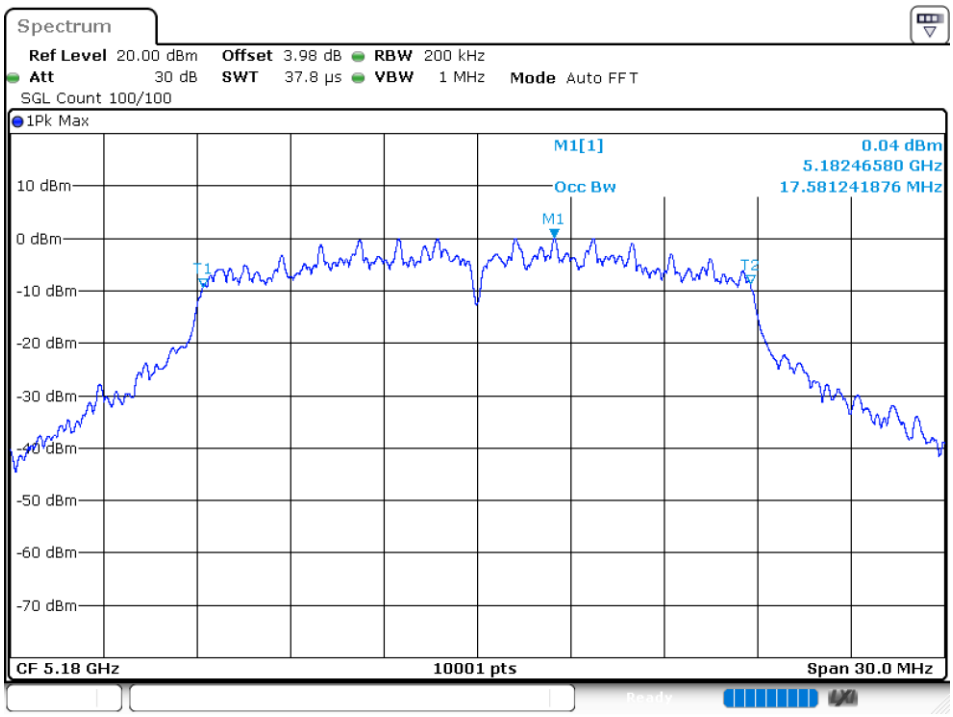
OBW NVNT n20 5200MHz Ant1



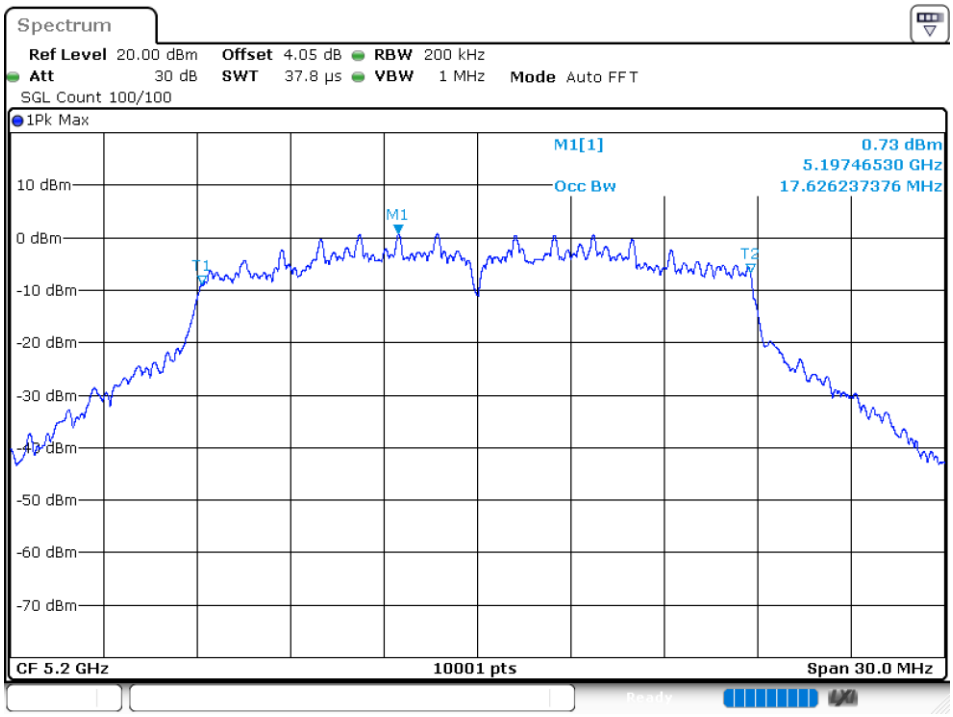
OBW NVNT n20 5240MHz Ant1



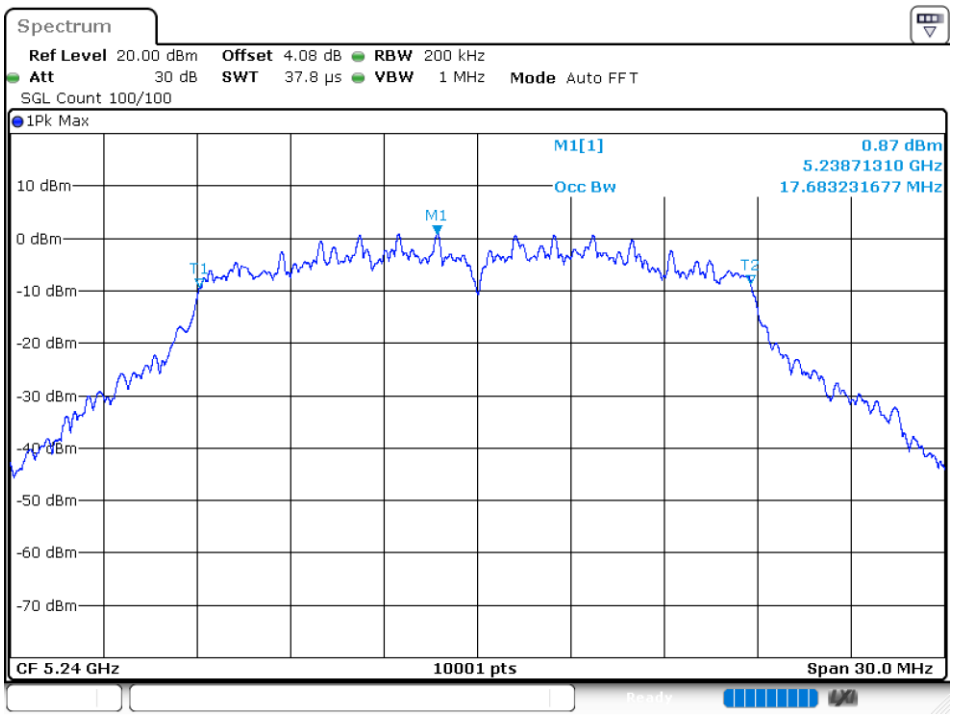
OBW NVNT n20 5180MHz Ant2



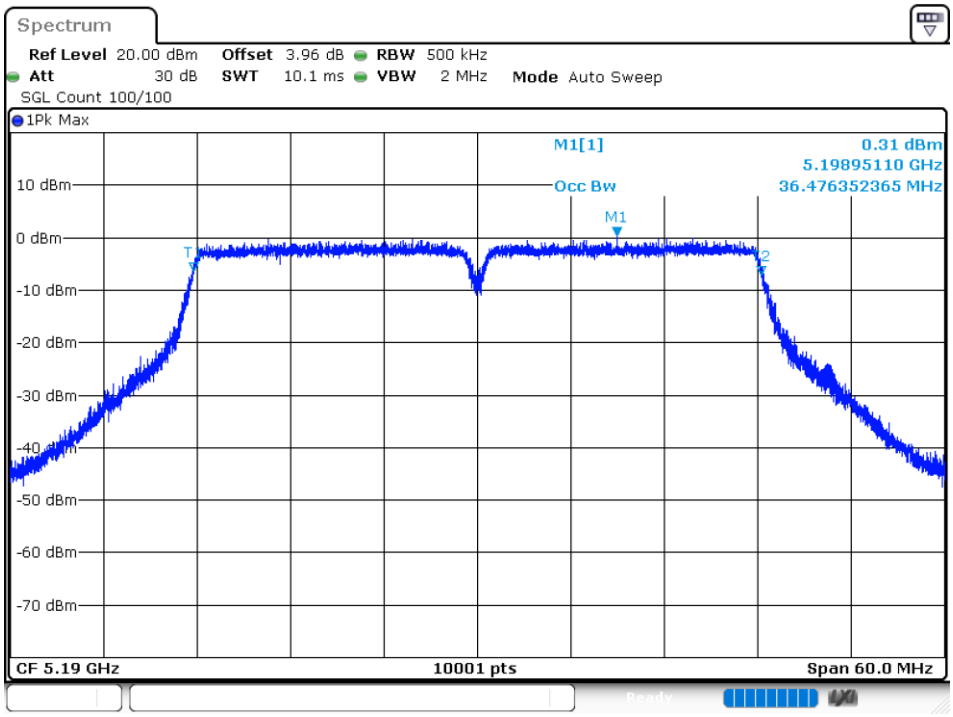
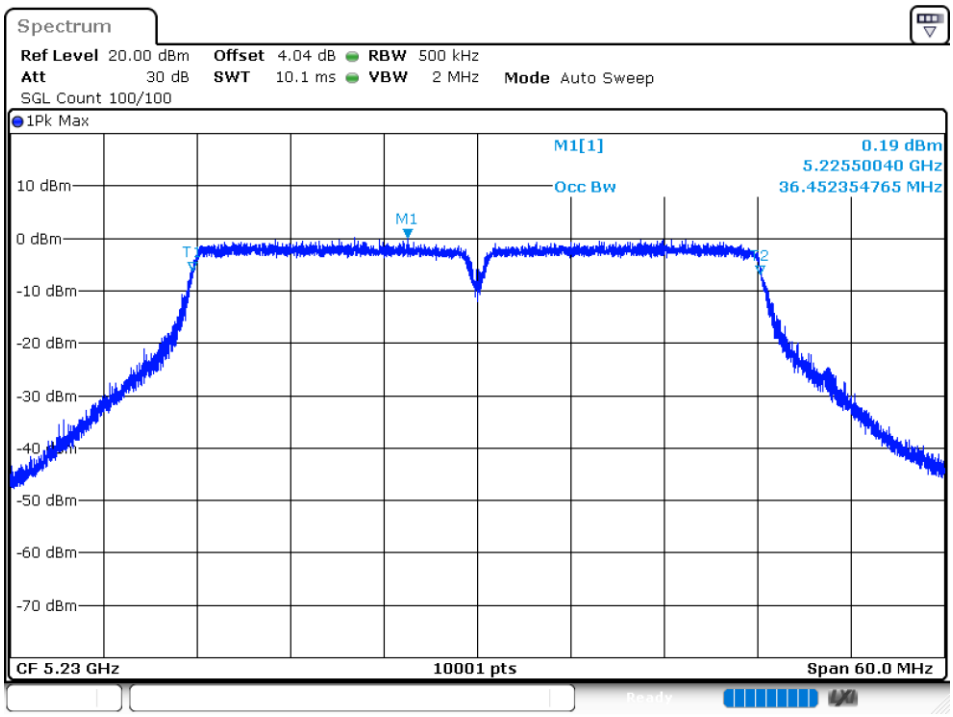
OBW NVNT n20 5200MHz Ant2



OBW NVNT n20 5240MHz Ant2



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1