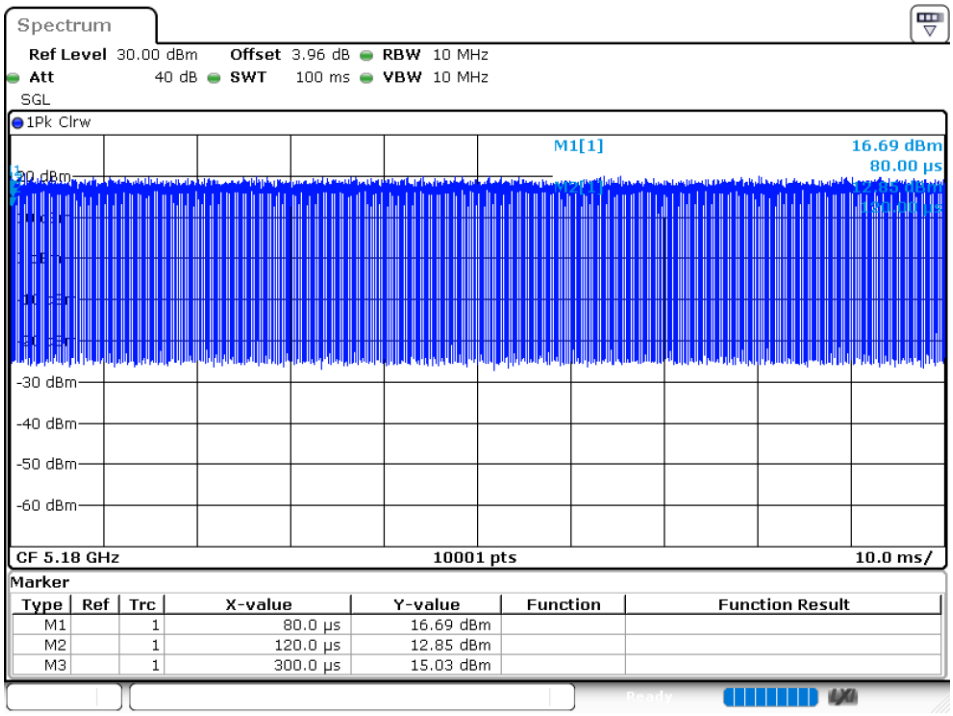
5.2G WIFI

Duty Cycle

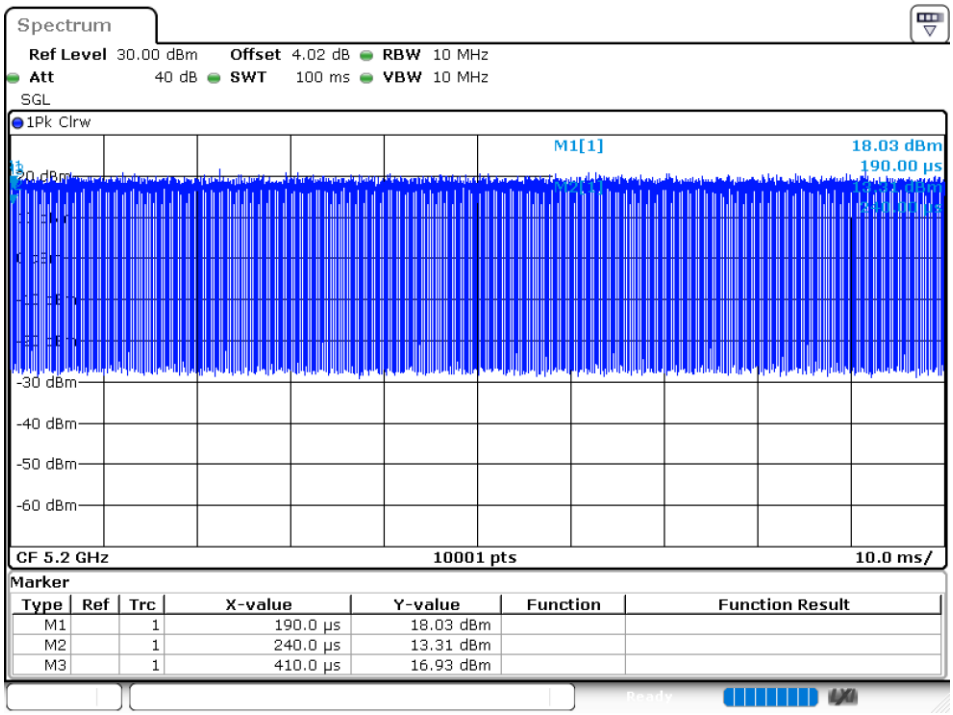
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	84.18	0.75	5.56
NVNT	a	5200	Ant1	84.21	0.75	5.88
NVNT	a	5240	Ant1	84.18	0.75	5.88
NVNT	a	5180	Ant2	84.26	0.74	5.56
NVNT	a	5200	Ant2	84.31	0.74	5.56
NVNT	a	5240	Ant2	84.24	0.74	5.88
NVNT	n20	5180	Ant1	83.28	0.79	6.25
NVNT	n20	5200	Ant1	83.28	0.79	5.88
NVNT	n20	5240	Ant1	83.3	0.79	6.25
NVNT	n20	5180	Ant2	83.32	0.79	6.25
NVNT	n20	5200	Ant2	83.31	0.79	6.25
NVNT	n20	5240	Ant2	83.34	0.79	6.25
NVNT	n40	5190	Ant1	76.37	1.17	10
NVNT	n40	5230	Ant1	76.39	1.17	10
NVNT	n40	5190	Ant2	76.36	1.17	10
NVNT	n40	5230	Ant2	76.38	1.17	10
NVNT	ac20	5180	Ant1	77.14	1.13	9.09
NVNT	ac20	5200	Ant1	77.14	1.13	10
NVNT	ac20	5240	Ant1	77.13	1.13	10
NVNT	ac20	5180	Ant2	77.2	1.12	10
NVNT	ac20	5200	Ant2	77.24	1.12	9.09
NVNT	ac20	5240	Ant2	77.21	1.12	10
NVNT	ac40	5190	Ant1	74.98	1.25	12.5
NVNT	ac40	5230	Ant1	66.68	1.76	14.29
NVNT	ac40	5190	Ant2	66.68	1.76	14.29
NVNT	ac40	5230	Ant2	70.13	1.54	14.29
NVNT	ac80	5210	Ant1	67.57	1.7	16.67
NVNT	ac80	5210	Ant2	70.18	1.54	16.67

Test Graphs

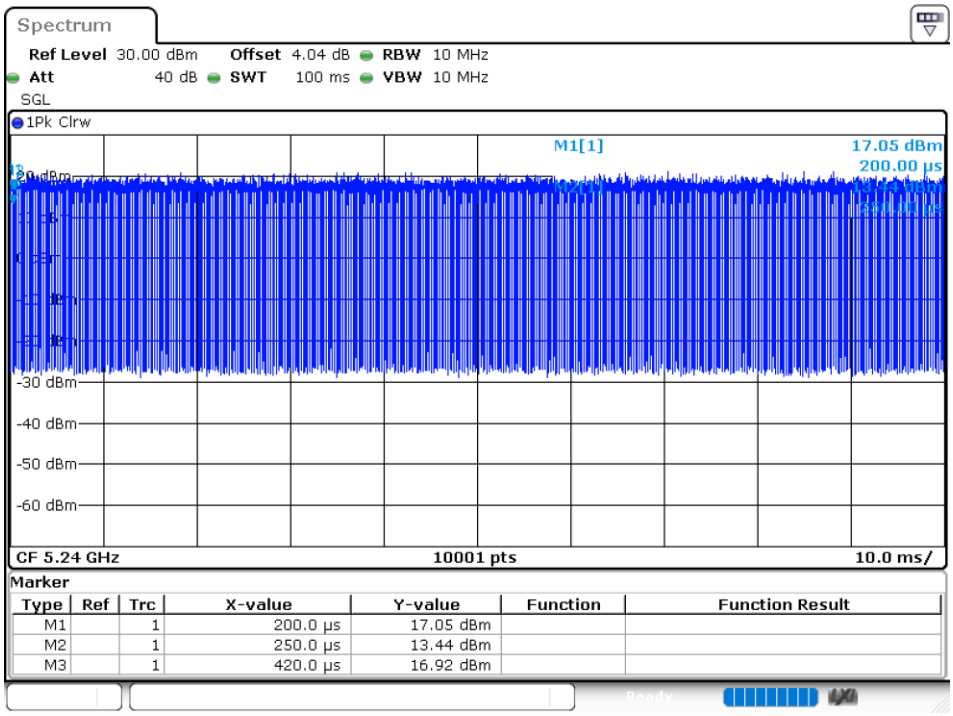
Duty Cycle NVNT a 5180MHz Ant1



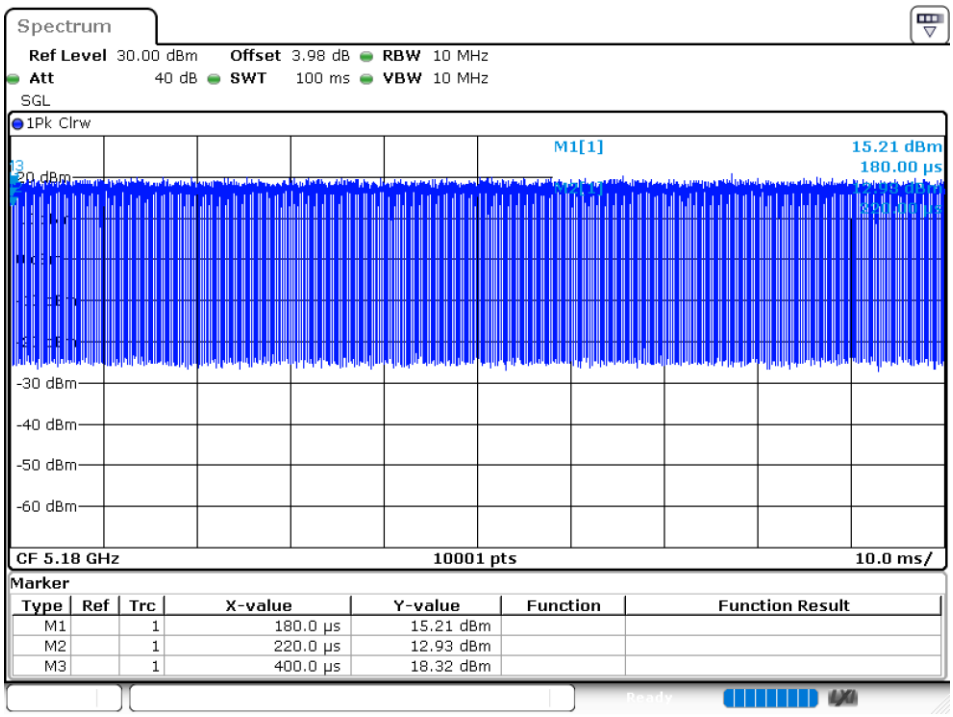
Duty Cycle NVNT a 5200MHz Ant1



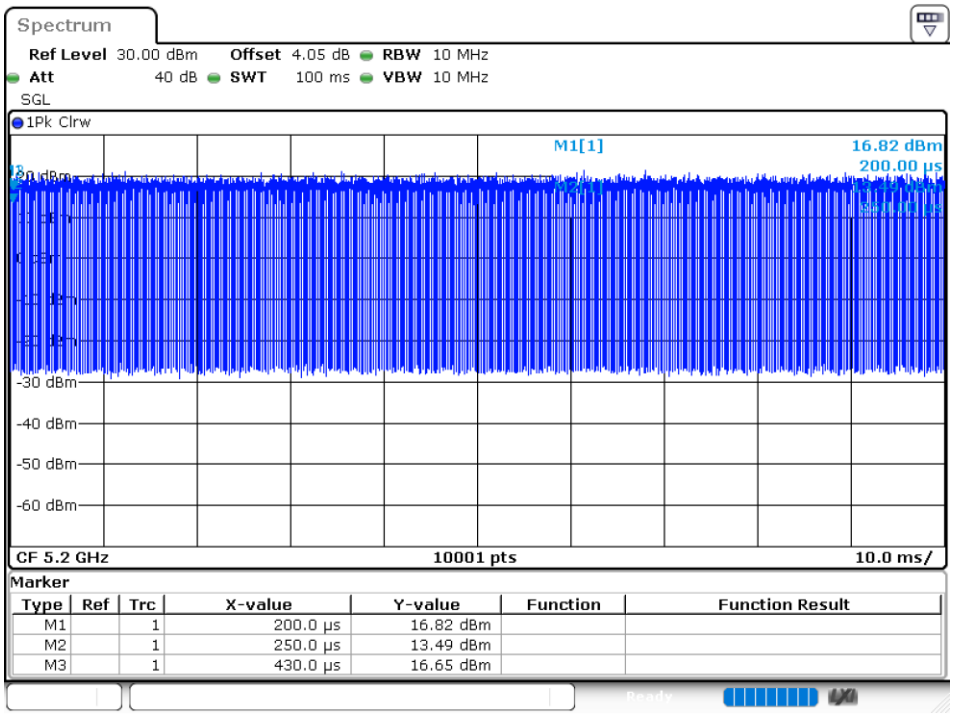
Duty Cycle NVNT a 5240MHz Ant1



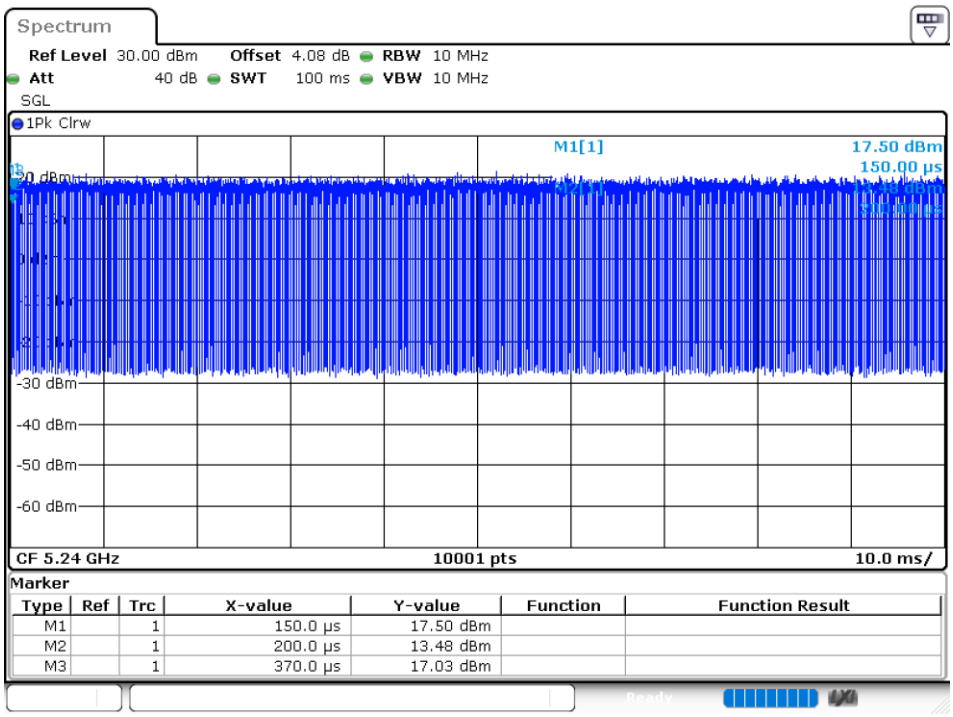
Duty Cycle NVNT a 5180MHz Ant2



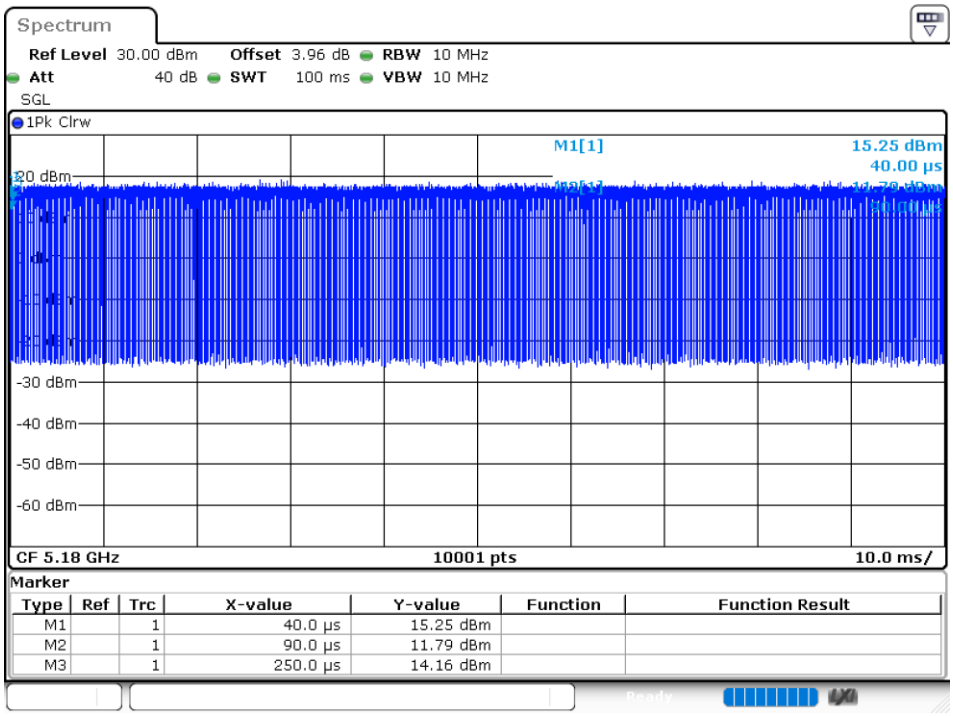
Duty Cycle NVNT a 5200MHz Ant2



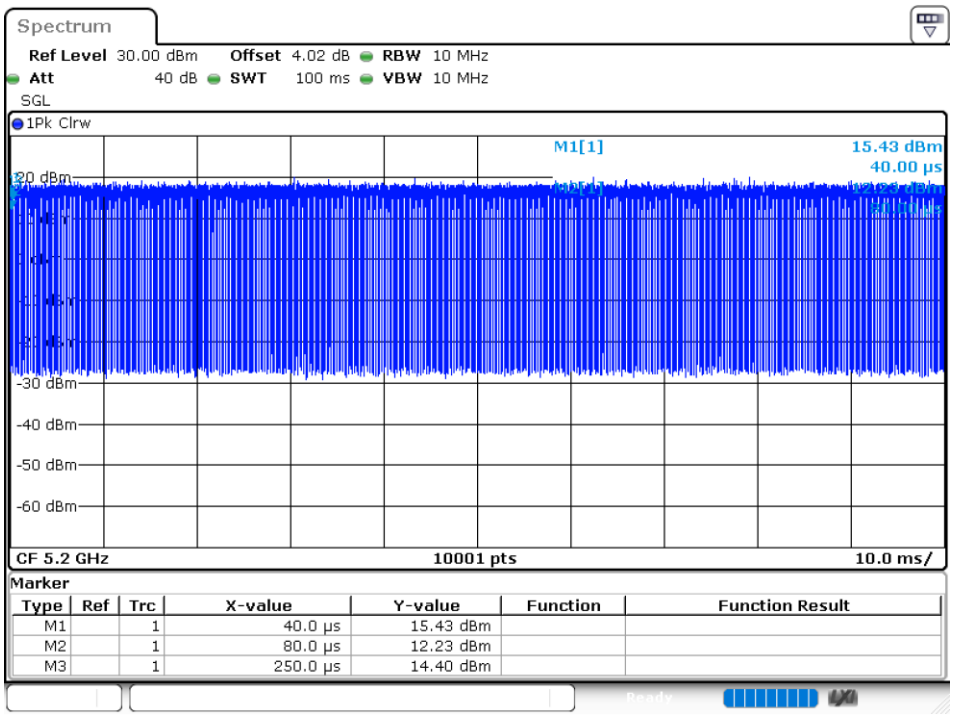
Duty Cycle NVNT a 5240MHz Ant2



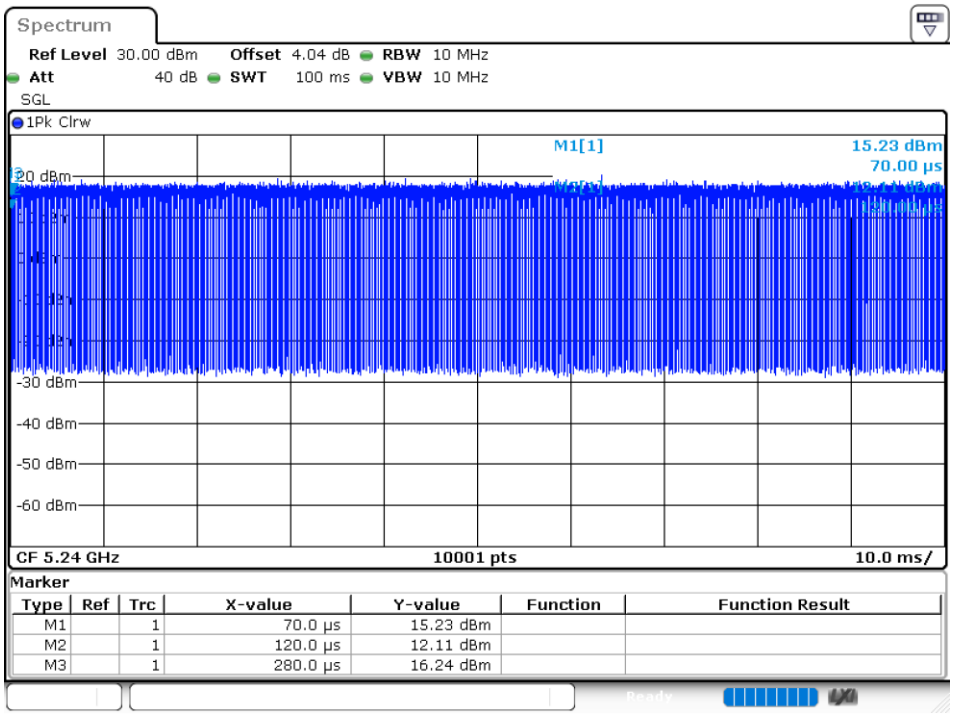
Duty Cycle NVNT n20 5180MHz Ant1



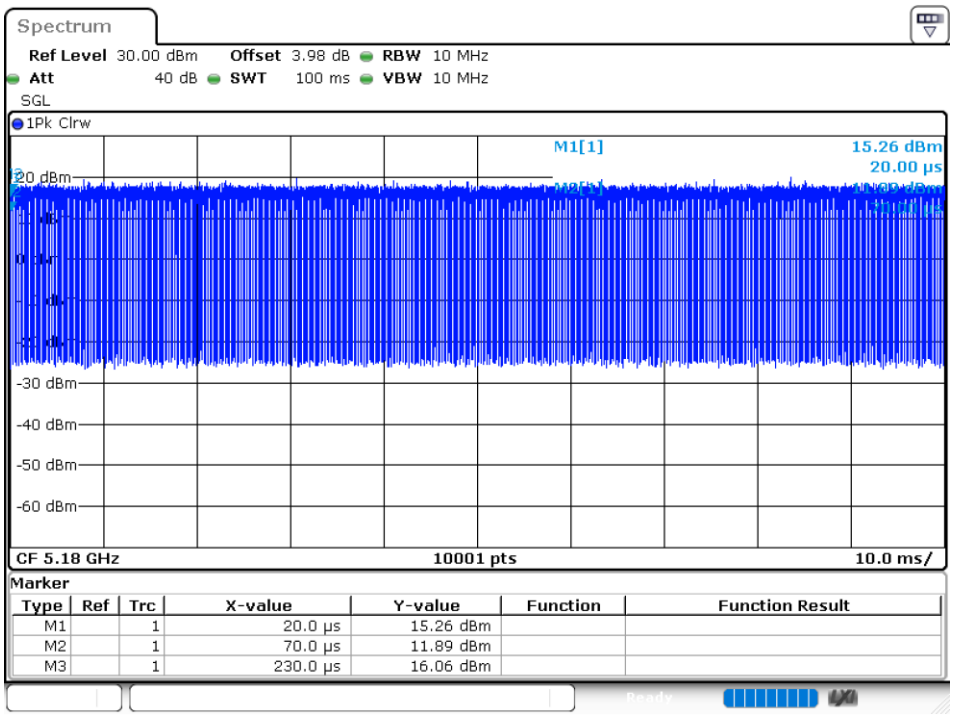
Duty Cycle NVNT n20 5200MHz Ant1



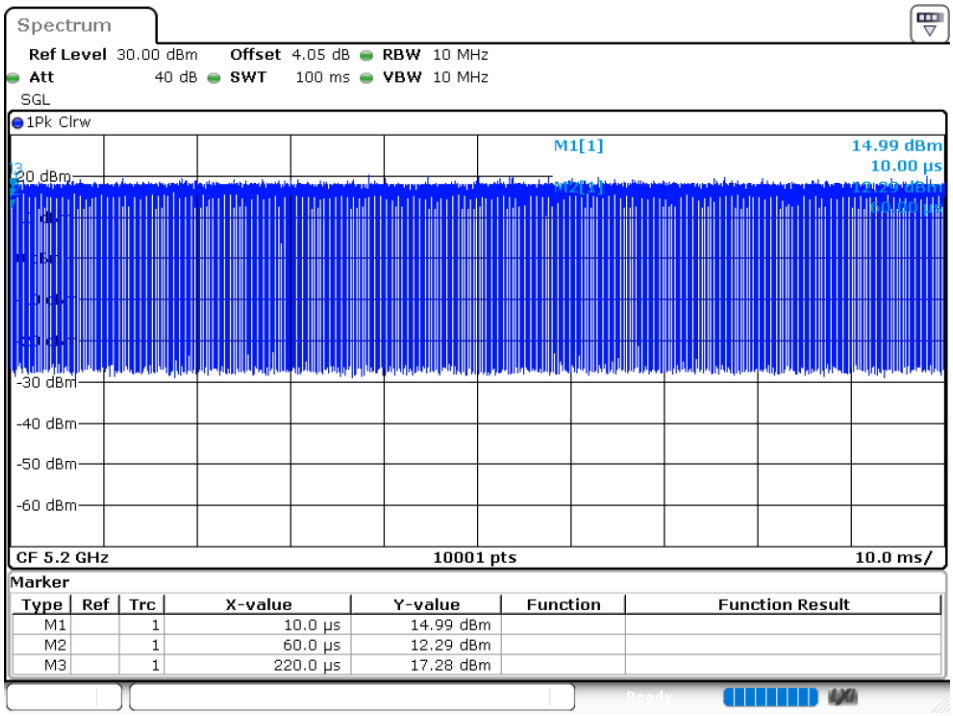
Duty Cycle NVNT n20 5240MHz Ant1



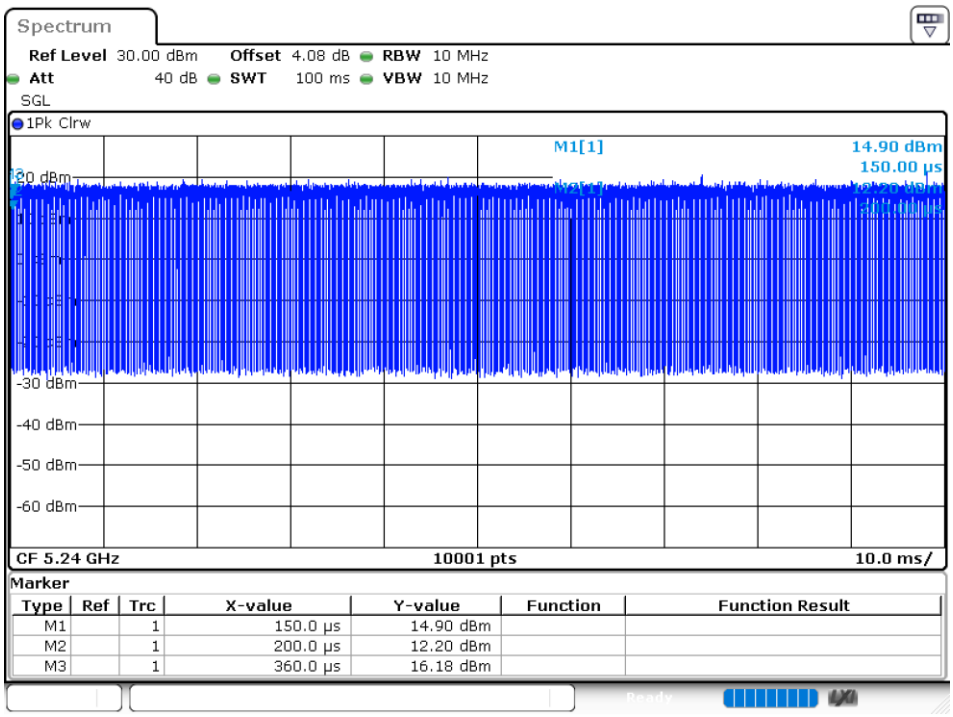
Duty Cycle NVNT n20 5180MHz Ant2



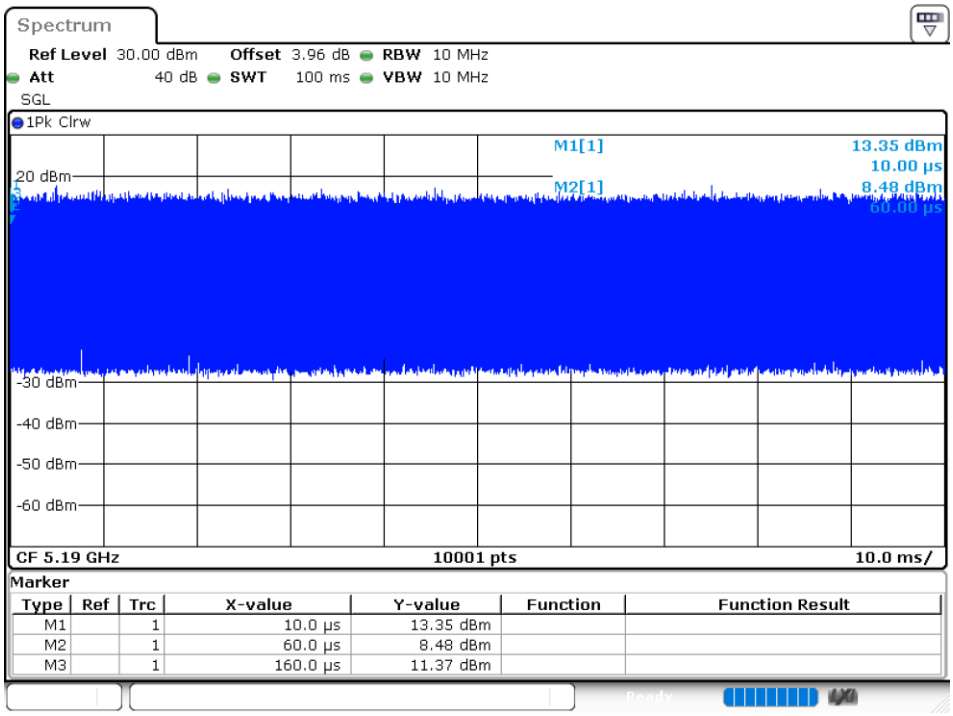
Duty Cycle NVNT n20 5200MHz Ant2



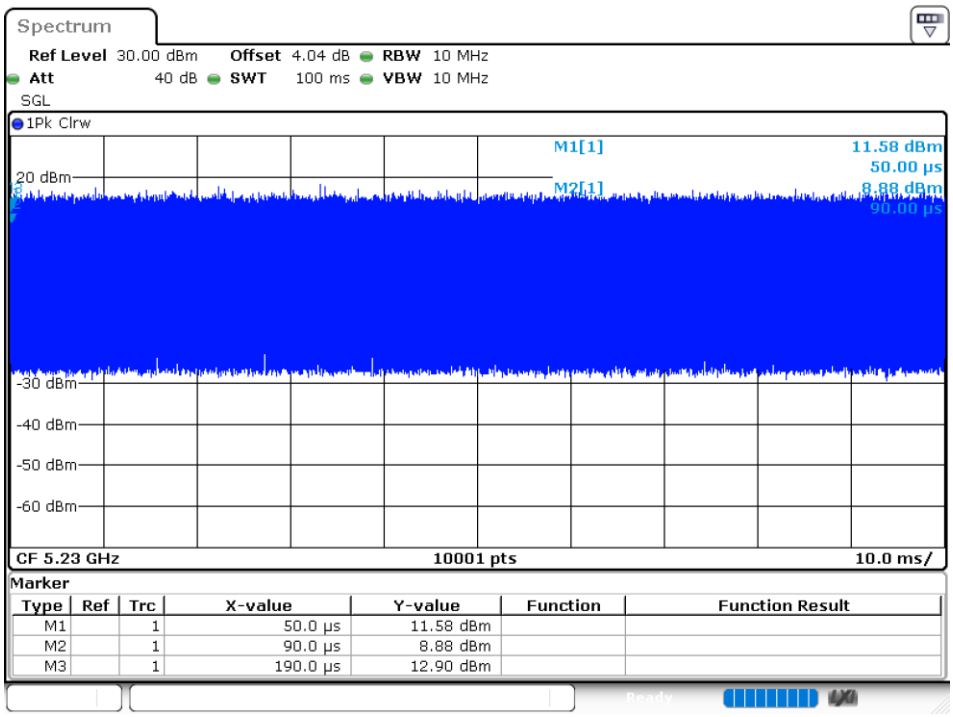
Duty Cycle NVNT n20 5240MHz Ant2



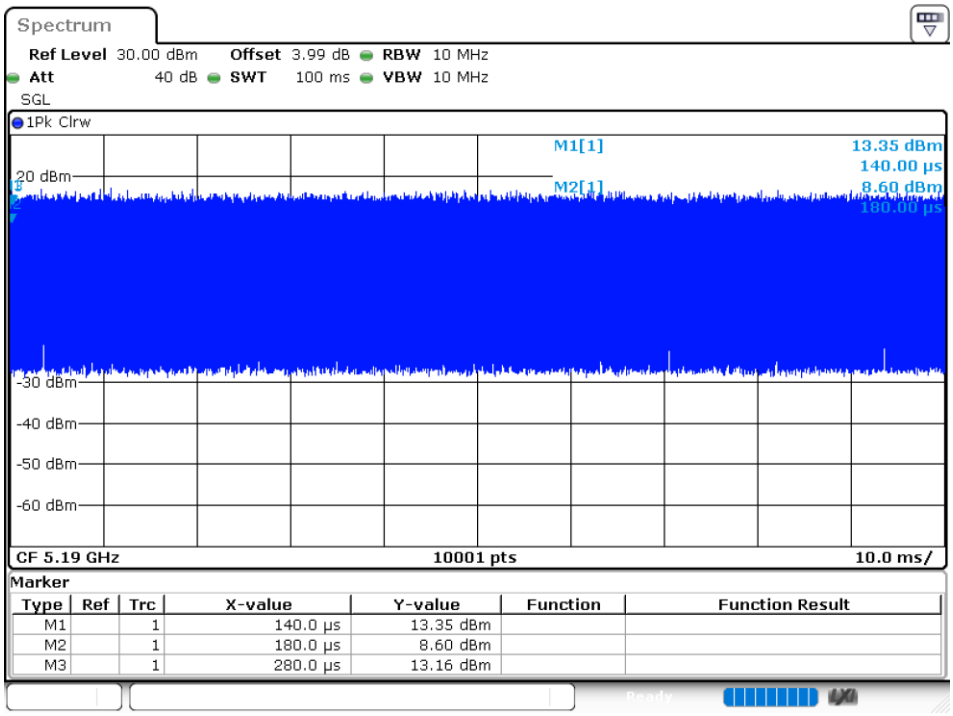
Duty Cycle NVNT n40 5190MHz Ant1



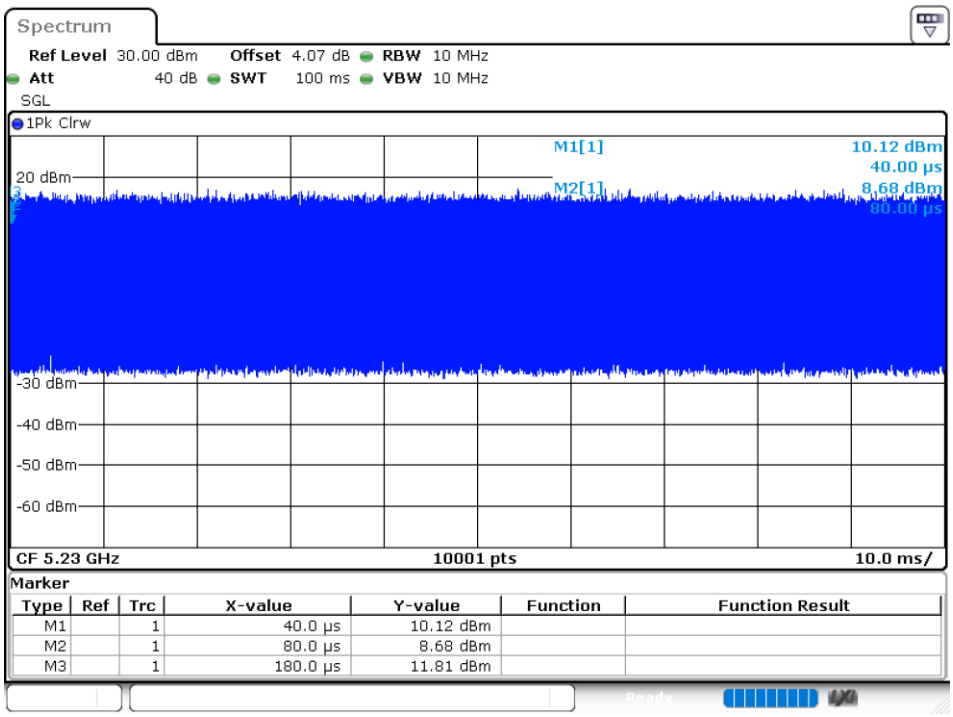
Duty Cycle NVNT n40 5230MHz Ant1



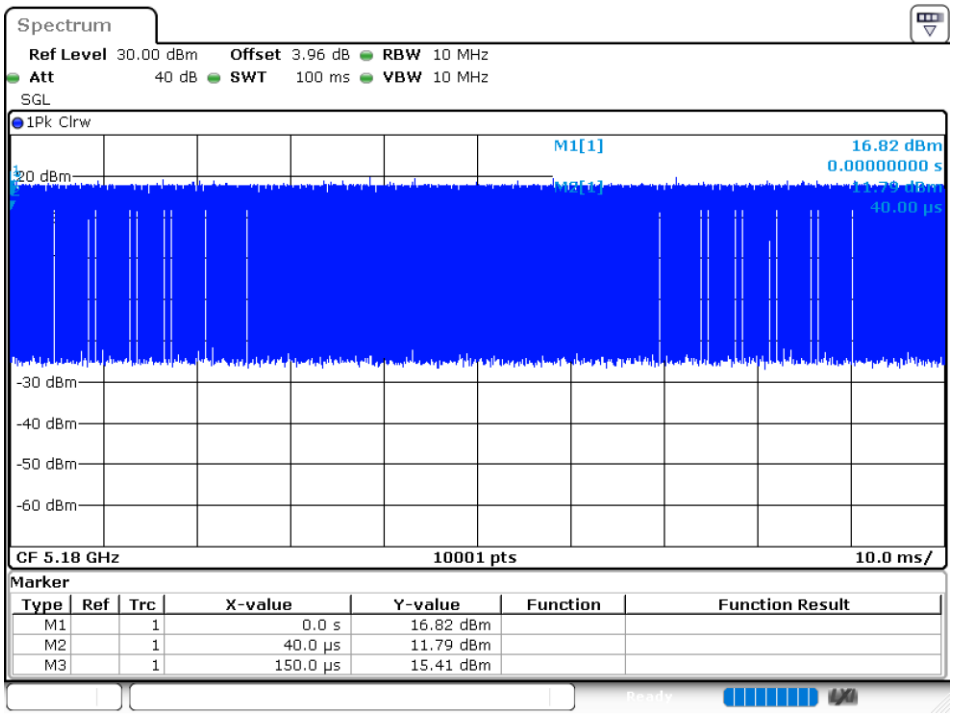
Duty Cycle NVNT n40 5190MHz Ant2



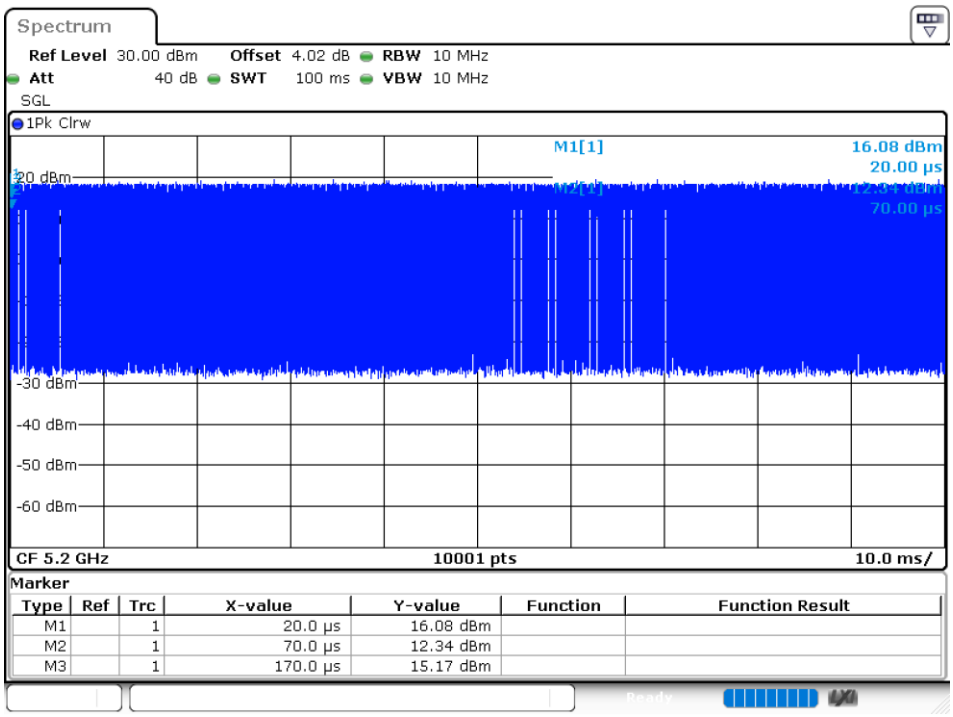
Duty Cycle NVNT n40 5230MHz Ant2



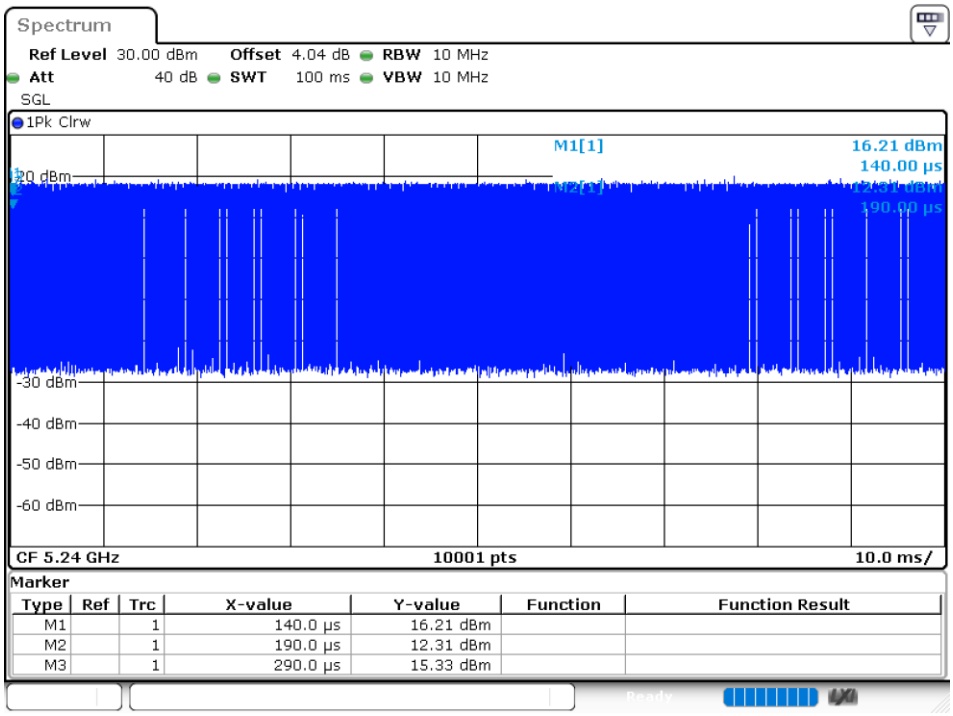
Duty Cycle NVNT ac20 5180MHz Ant1



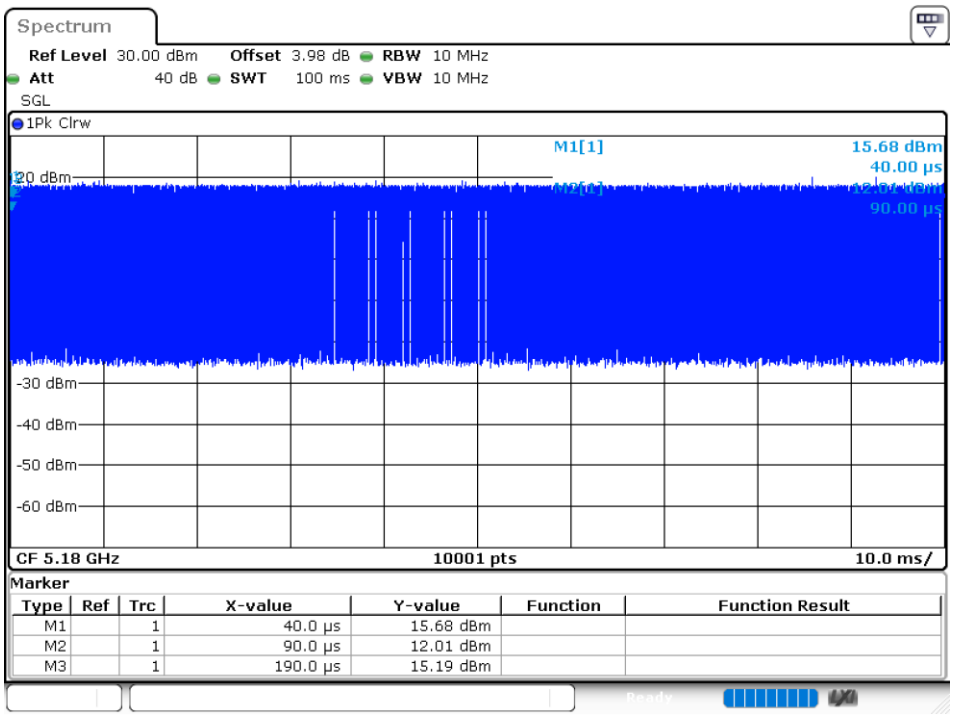
Duty Cycle NVNT ac20 5200MHz Ant1



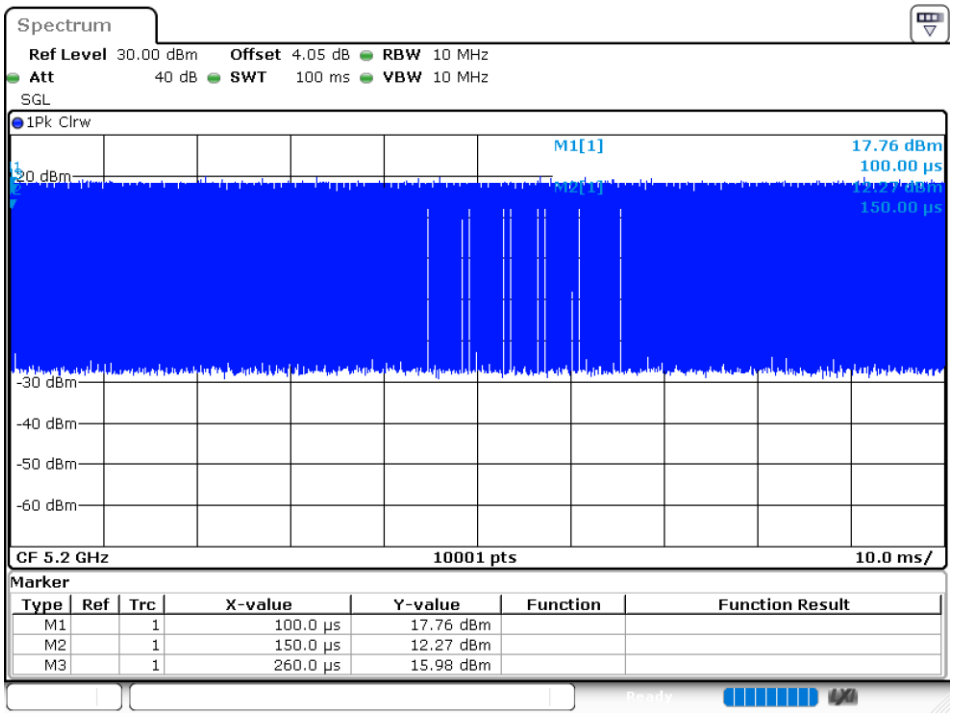
Duty Cycle NVNT ac20 5240MHz Ant1



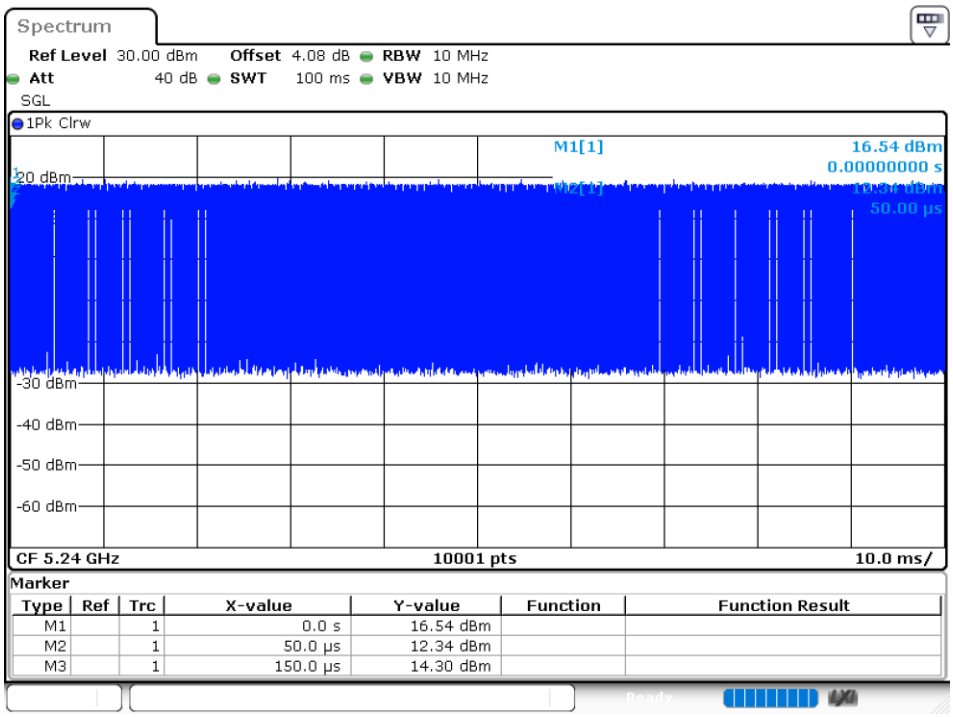
Duty Cycle NVNT ac20 5180MHz Ant2



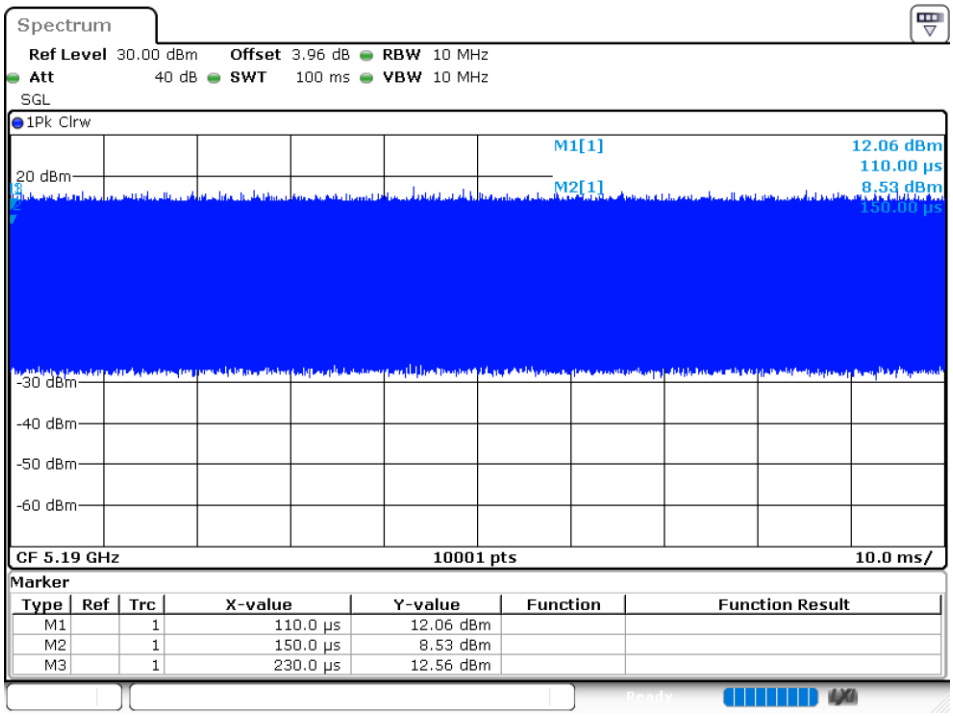
Duty Cycle NVNT ac20 5200MHz Ant2



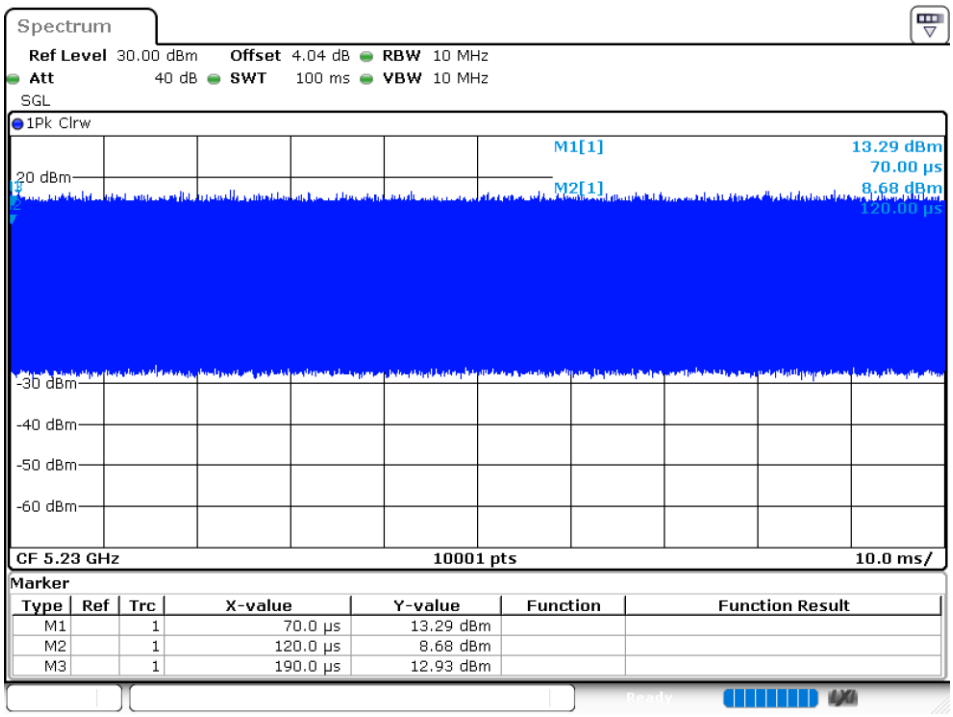
Duty Cycle NVNT ac20 5240MHz Ant2



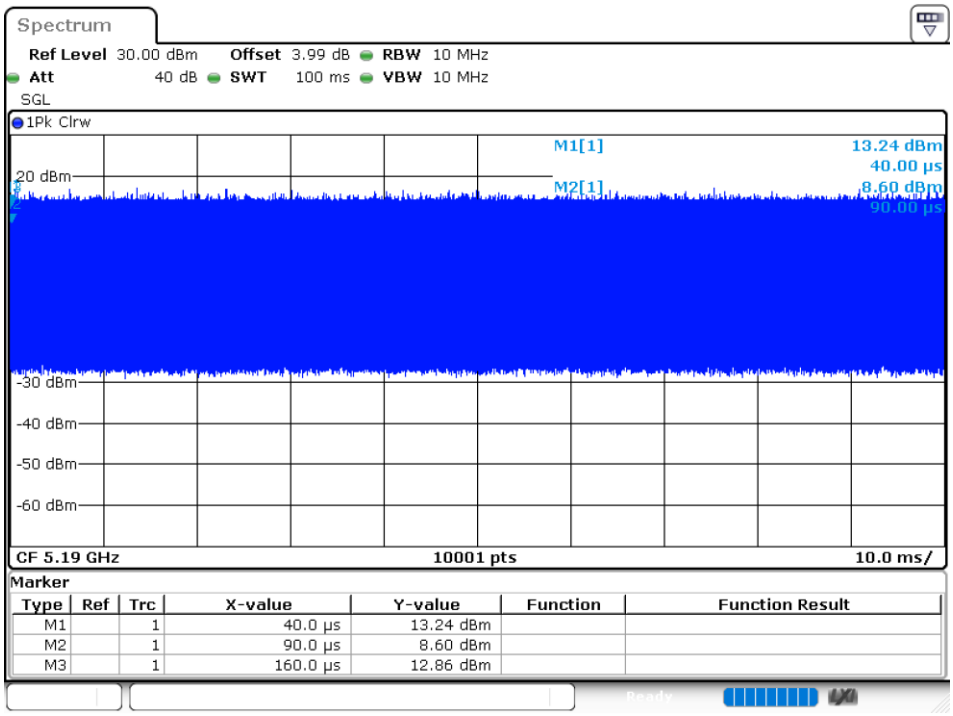
Duty Cycle NVNT ac40 5190MHz Ant1



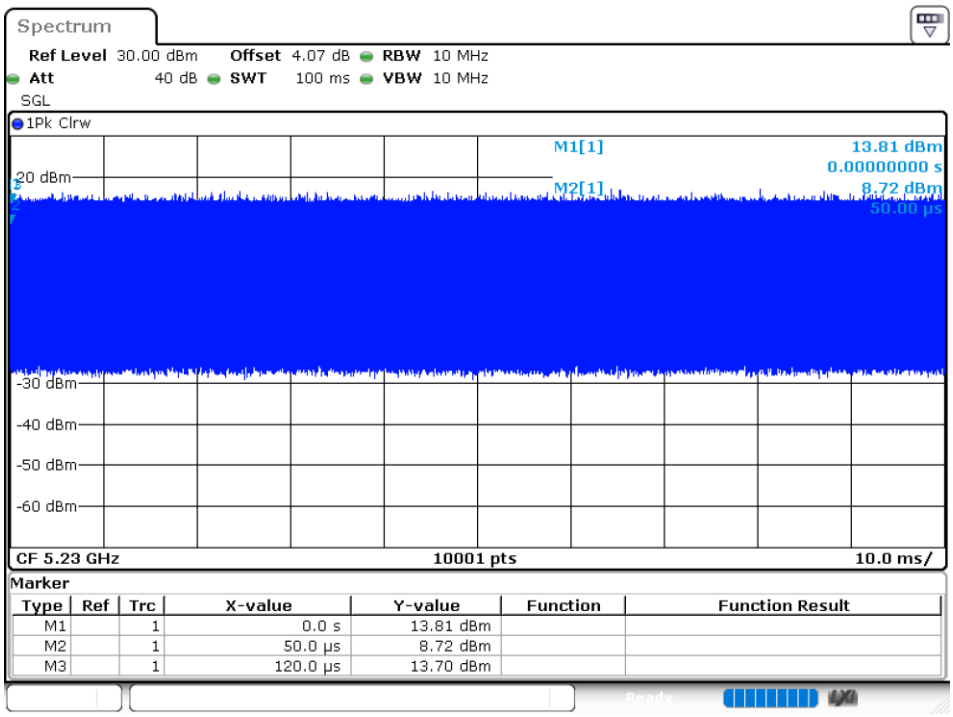
Duty Cycle NVNT ac40 5230MHz Ant1



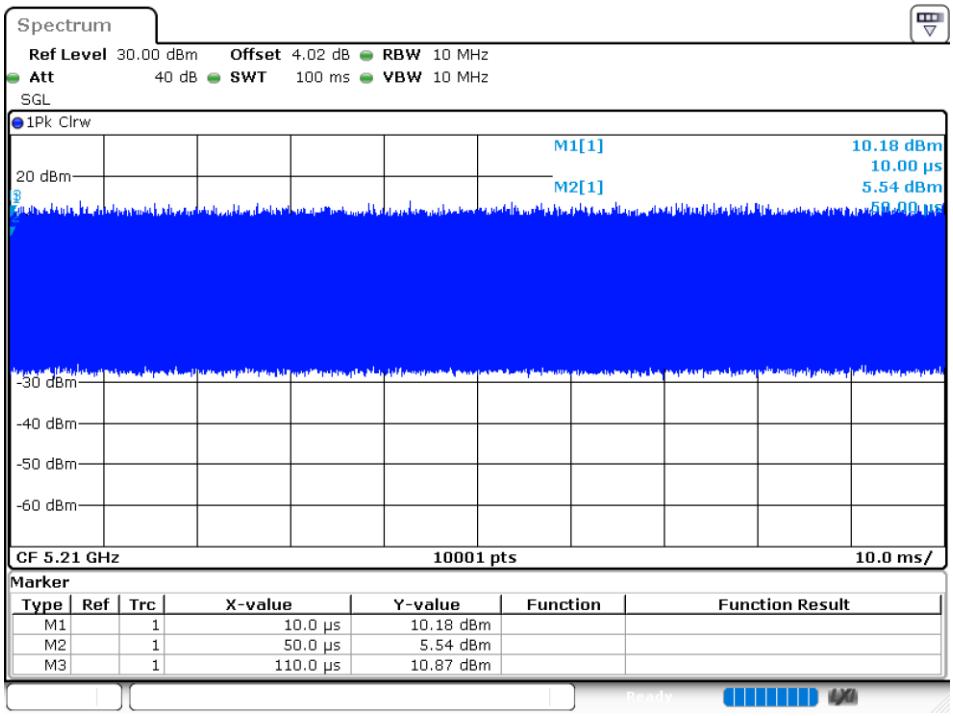
Duty Cycle NVNT ac40 5190MHz Ant2



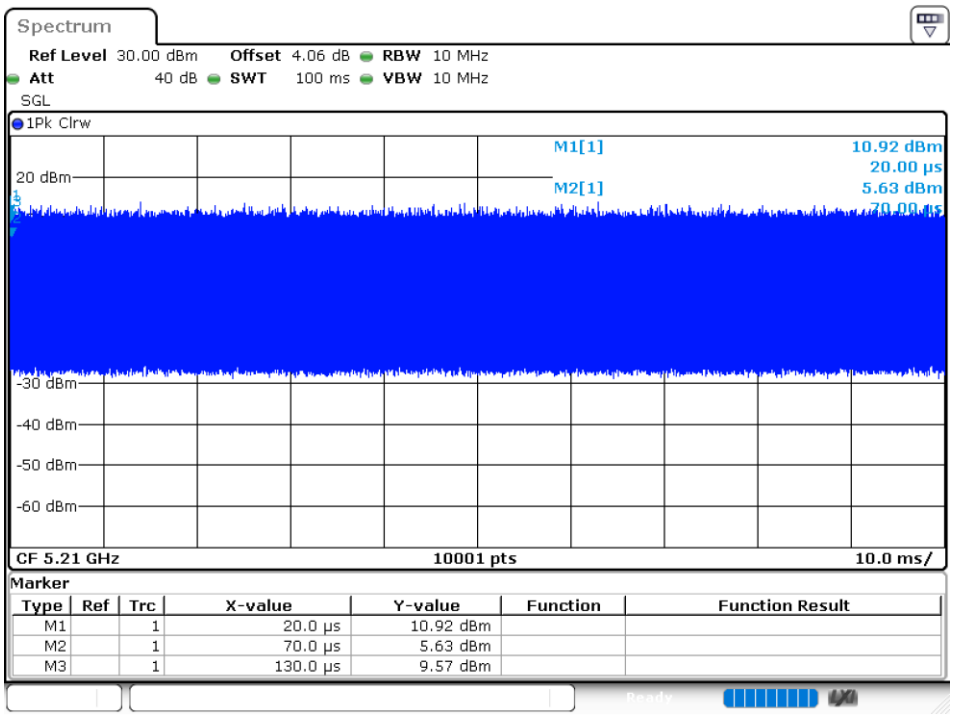
Duty Cycle NVNT ac40 5230MHz Ant2



Duty Cycle NVNT ac80 5210MHz Ant1



Duty Cycle NVNT ac80 5210MHz Ant2



Maximum Conducted Output Power

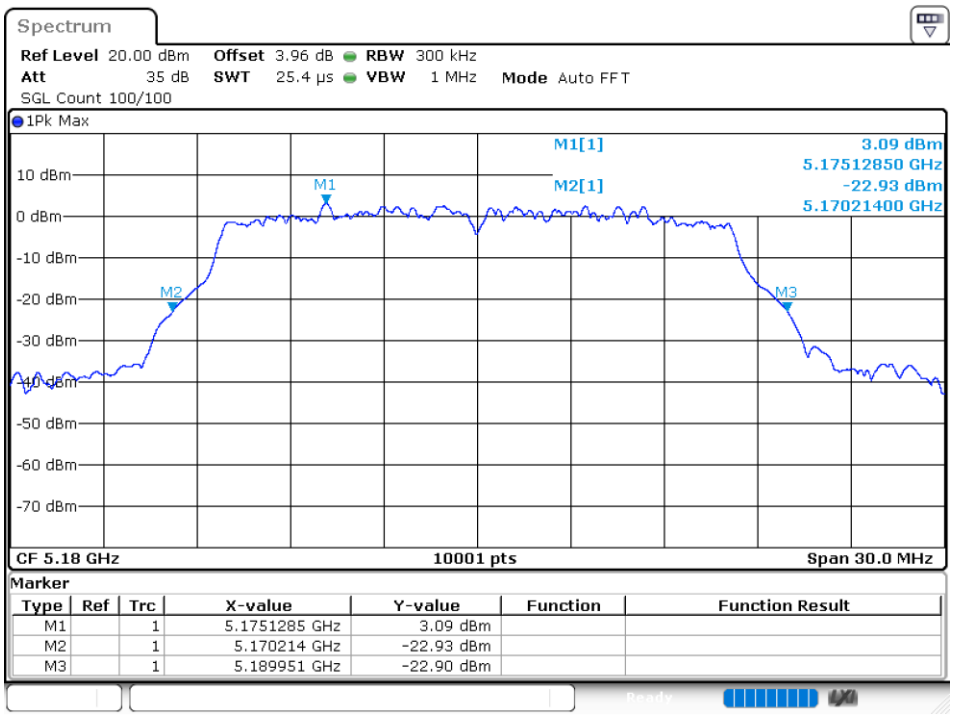
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	12.07	24	Pass
NVNT	a	5200	Ant1	11.79	24	Pass
NVNT	a	5240	Ant1	12.16	24	Pass
NVNT	a	5180	Ant2	12.09	24	Pass
NVNT	a	5200	Ant2	12.4	24	Pass
NVNT	a	5240	Ant2	12.23	24	Pass
NVNT	n20	5180	Ant1	10.68	24	Pass
NVNT	n20	5200	Ant1	11.06	24	Pass
NVNT	n20	5240	Ant1	11.1	24	Pass
NVNT	n20	5180	Ant2	11.01	24	Pass
NVNT	n20	5200	Ant2	11.17	24	Pass
NVNT	n20	5240	Ant2	11.16	24	Pass
NVNT	n40	5190	Ant1	10.79	24	Pass
NVNT	n40	5230	Ant1	10.83	24	Pass
NVNT	n40	5190	Ant2	11.05	24	Pass
NVNT	n40	5230	Ant2	11.18	24	Pass
NVNT	ac20	5180	Ant1	10.93	24	Pass
NVNT	ac20	5200	Ant1	10.81	24	Pass
NVNT	ac20	5240	Ant1	10.88	24	Pass
NVNT	ac20	5180	Ant2	11.02	24	Pass
NVNT	ac20	5200	Ant2	11.22	24	Pass
NVNT	ac20	5240	Ant2	11.21	24	Pass
NVNT	ac40	5190	Ant1	10.63	24	Pass
NVNT	ac40	5230	Ant1	10.87	24	Pass
NVNT	ac40	5190	Ant2	11.03	24	Pass
NVNT	ac40	5230	Ant2	11.01	24	Pass
NVNT	ac80	5210	Ant1	10.64	24	Pass
NVNT	ac80	5210	Ant2	11.11	24	Pass

-26dB Bandwidth

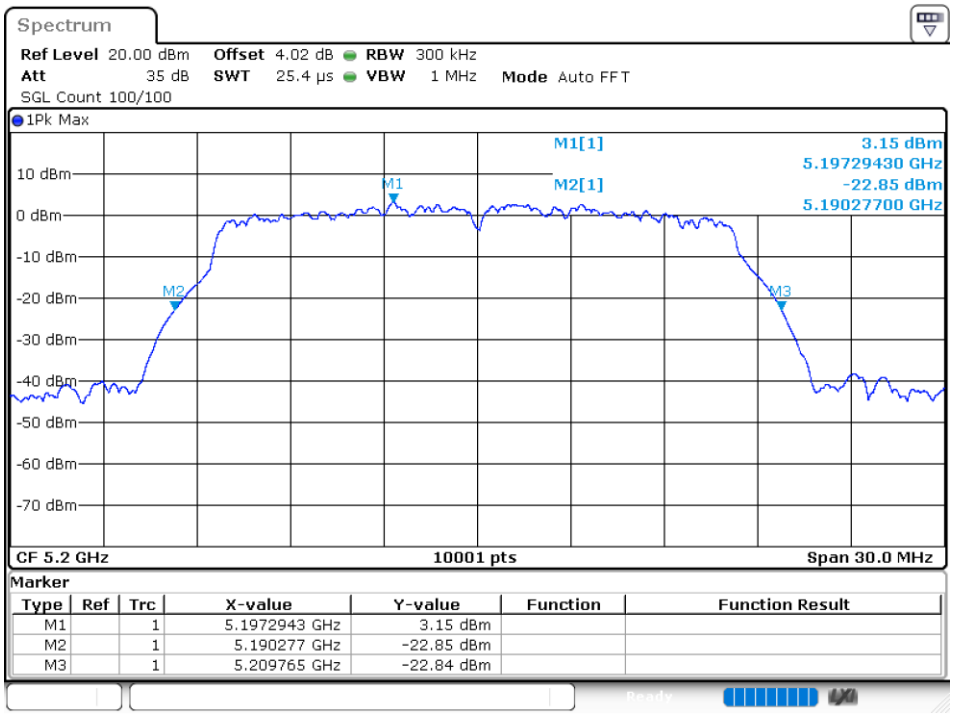
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.737	Pass
NVNT	a	5200	Ant1	19.488	Pass
NVNT	a	5240	Ant1	19.416	Pass
NVNT	a	5180	Ant2	19.134	Pass
NVNT	a	5200	Ant2	19.698	Pass
NVNT	a	5240	Ant2	19.551	Pass
NVNT	n20	5180	Ant1	19.866	Pass
NVNT	n20	5200	Ant1	20.136	Pass
NVNT	n20	5240	Ant1	19.695	Pass
NVNT	n20	5180	Ant2	19.914	Pass
NVNT	n20	5200	Ant2	19.929	Pass
NVNT	n20	5240	Ant2	19.929	Pass
NVNT	n40	5190	Ant1	40.452	Pass
NVNT	n40	5230	Ant1	40.62	Pass
NVNT	n40	5190	Ant2	40.182	Pass
NVNT	n40	5230	Ant2	40.26	Pass
NVNT	ac20	5180	Ant1	19.521	Pass
NVNT	ac20	5200	Ant1	20.193	Pass
NVNT	ac20	5240	Ant1	19.707	Pass
NVNT	ac20	5180	Ant2	20.085	Pass
NVNT	ac20	5200	Ant2	19.761	Pass
NVNT	ac20	5240	Ant2	19.911	Pass
NVNT	ac40	5190	Ant1	40.506	Pass
NVNT	ac40	5230	Ant1	40.446	Pass
NVNT	ac40	5190	Ant2	40.326	Pass
NVNT	ac40	5230	Ant2	40.488	Pass
NVNT	ac80	5210	Ant1	81.264	Pass
NVNT	ac80	5210	Ant2	80.376	Pass

Test Graphs

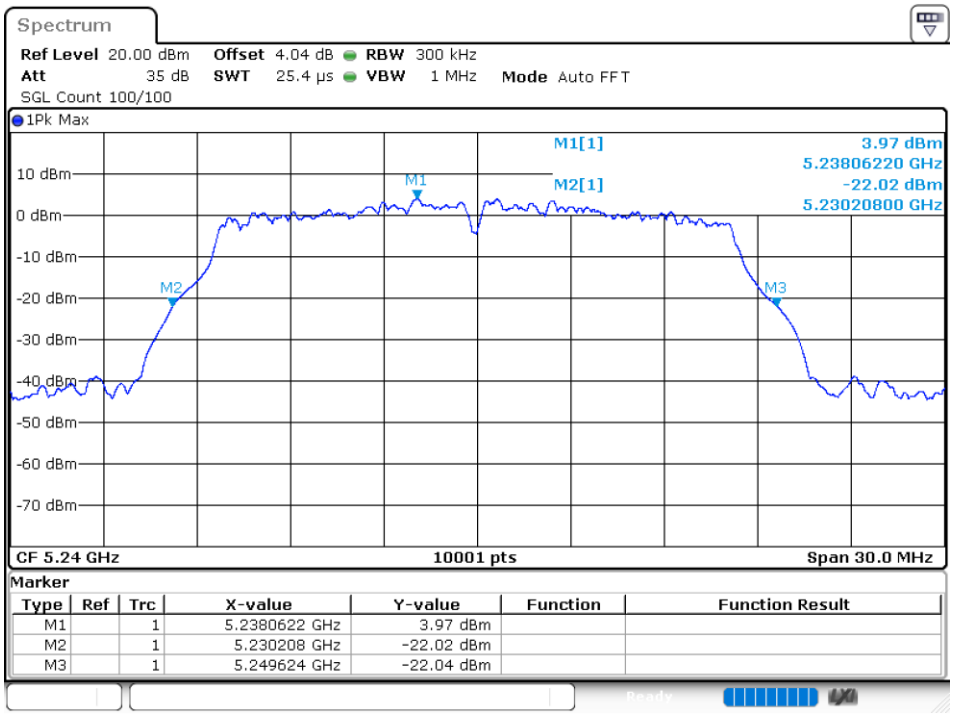
-26dB Bandwidth NVNT a 5180MHz Ant1



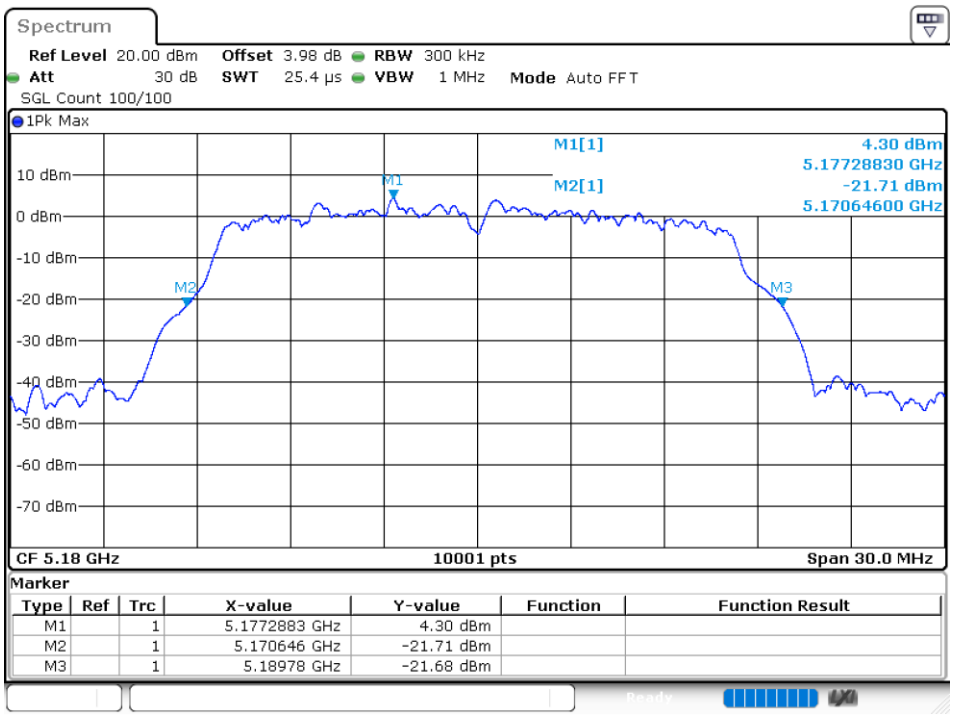
-26dB Bandwidth NVNT a 5200MHz Ant1



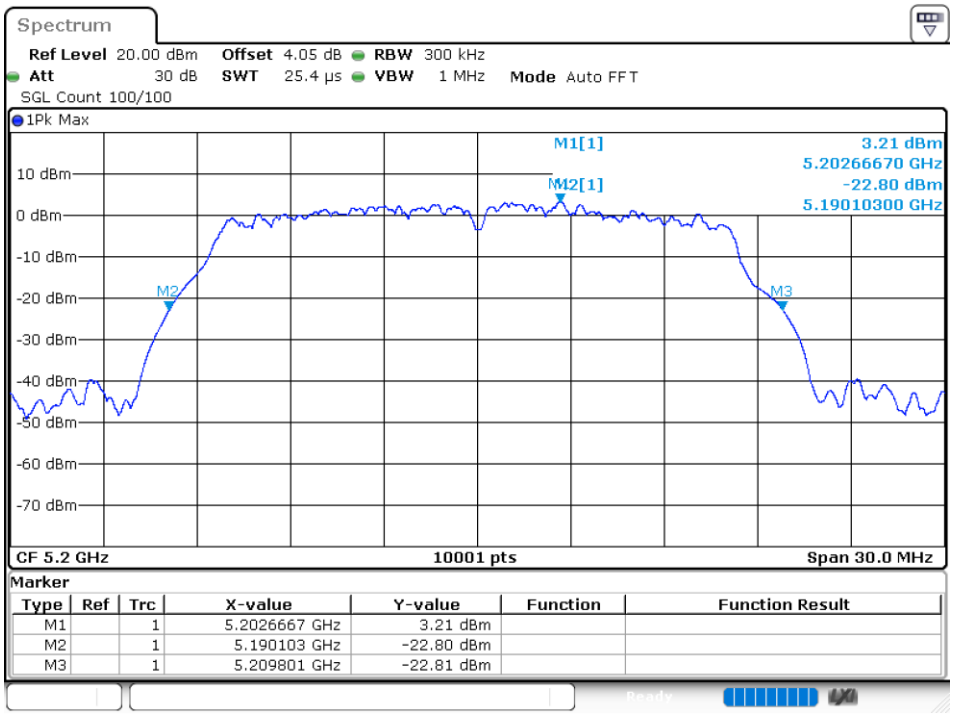
-26dB Bandwidth NVNT a 5240MHz Ant1



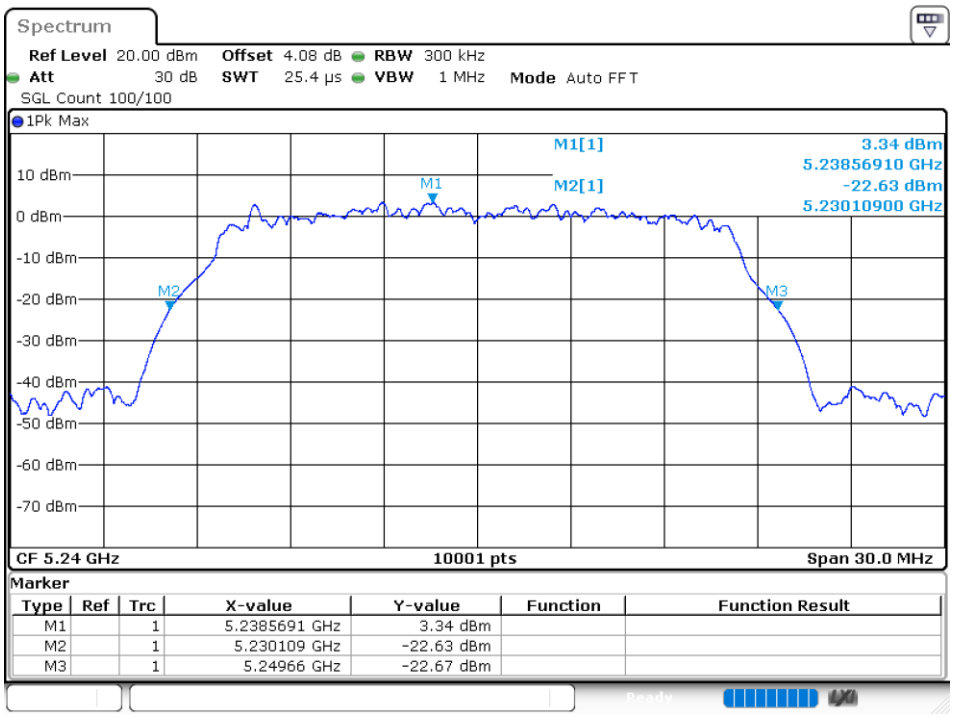
-26dB Bandwidth NVNT a 5180MHz Ant2



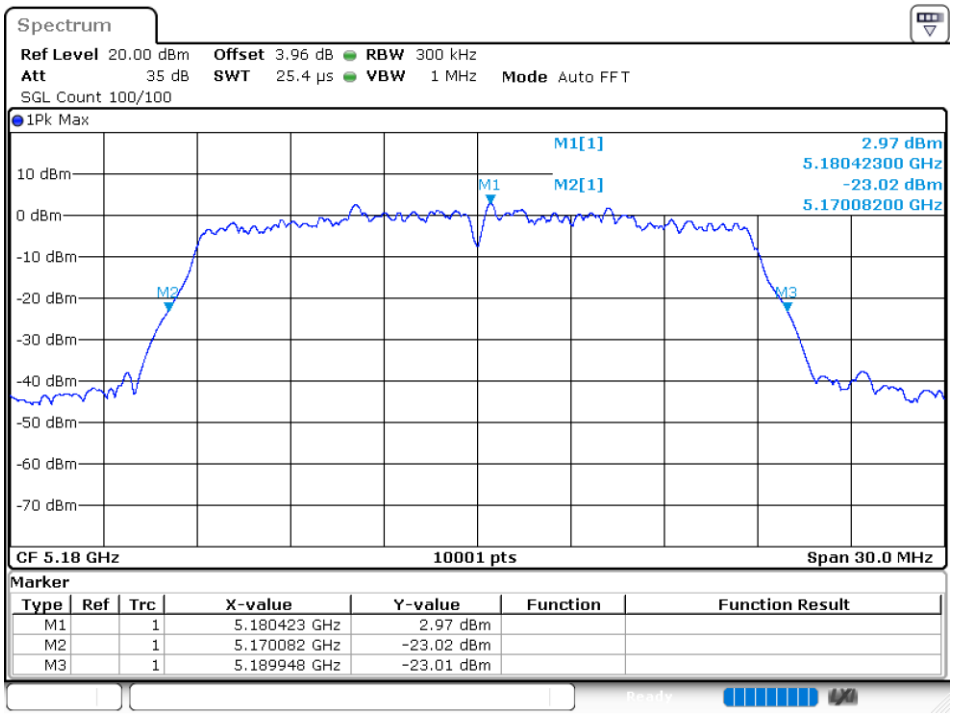
-26dB Bandwidth NVNT a 5200MHz Ant2



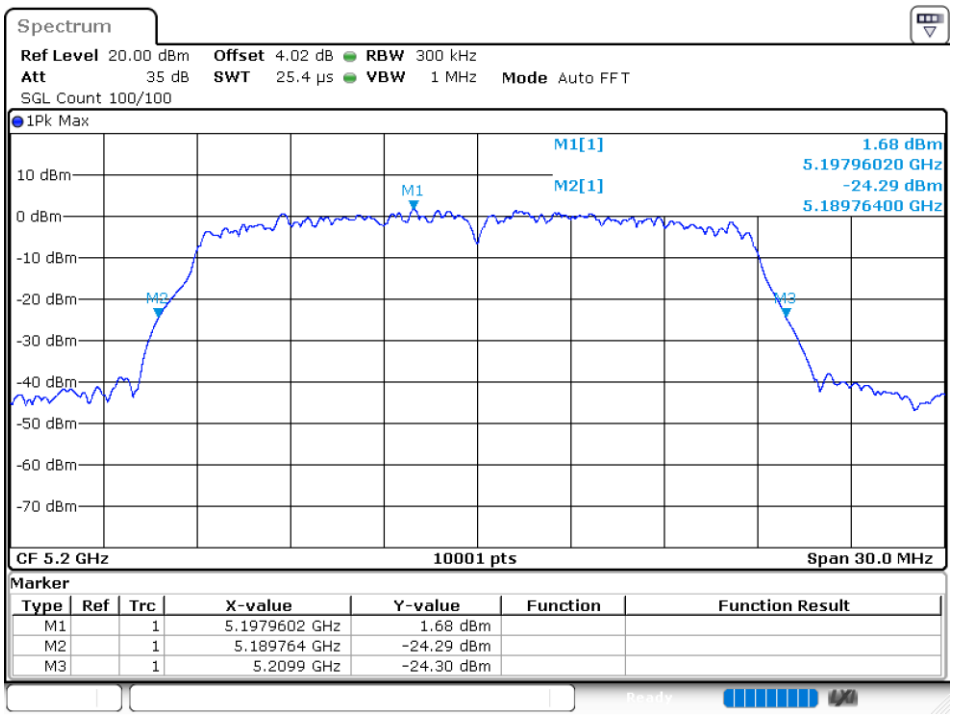
-26dB Bandwidth NVNT a 5240MHz Ant2



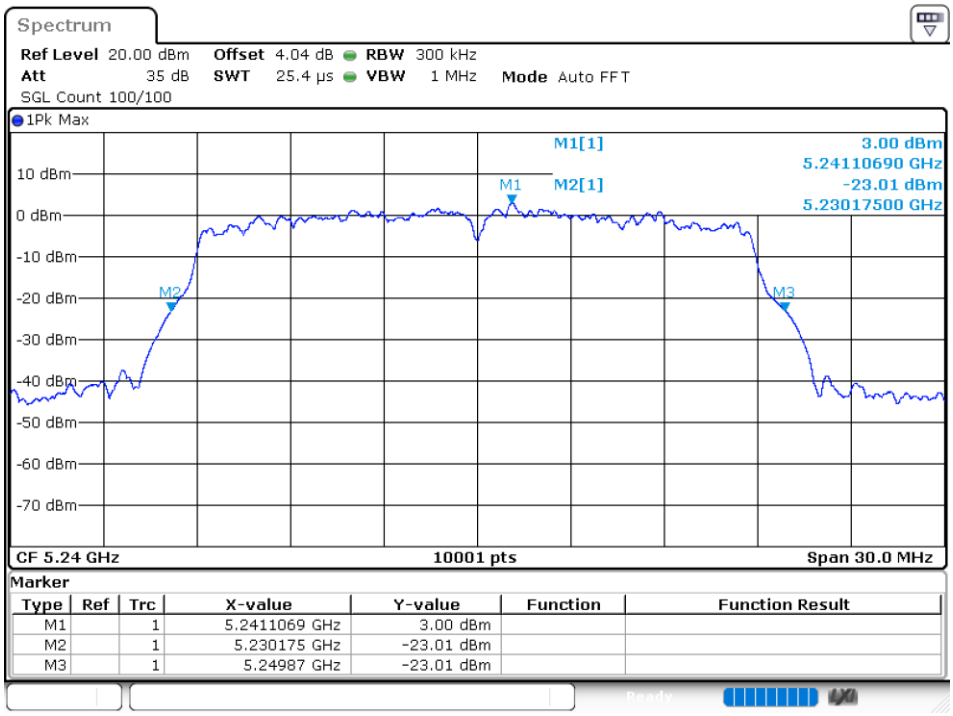
-26dB Bandwidth NVNT n20 5180MHz Ant1



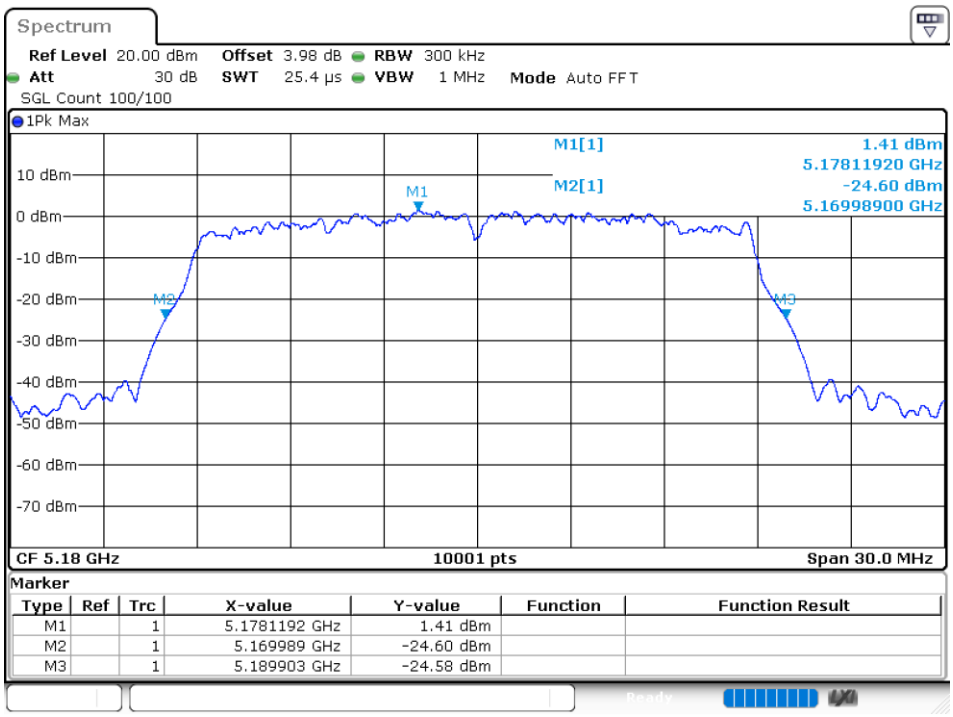
-26dB Bandwidth NVNT n20 5200MHz Ant1



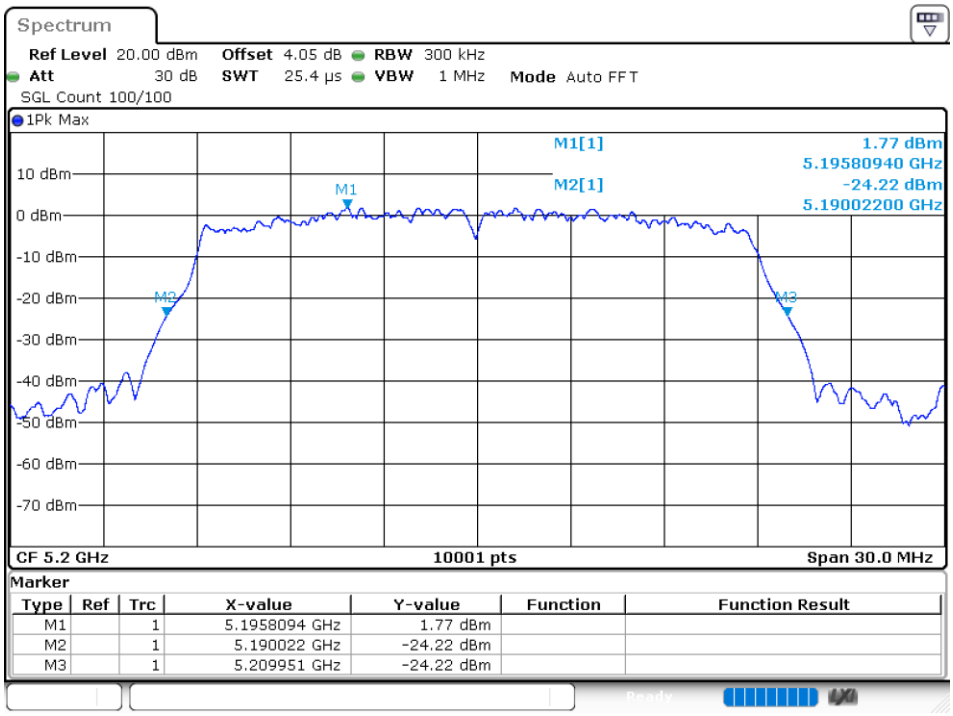
-26dB Bandwidth NVNT n20 5240MHz Ant1



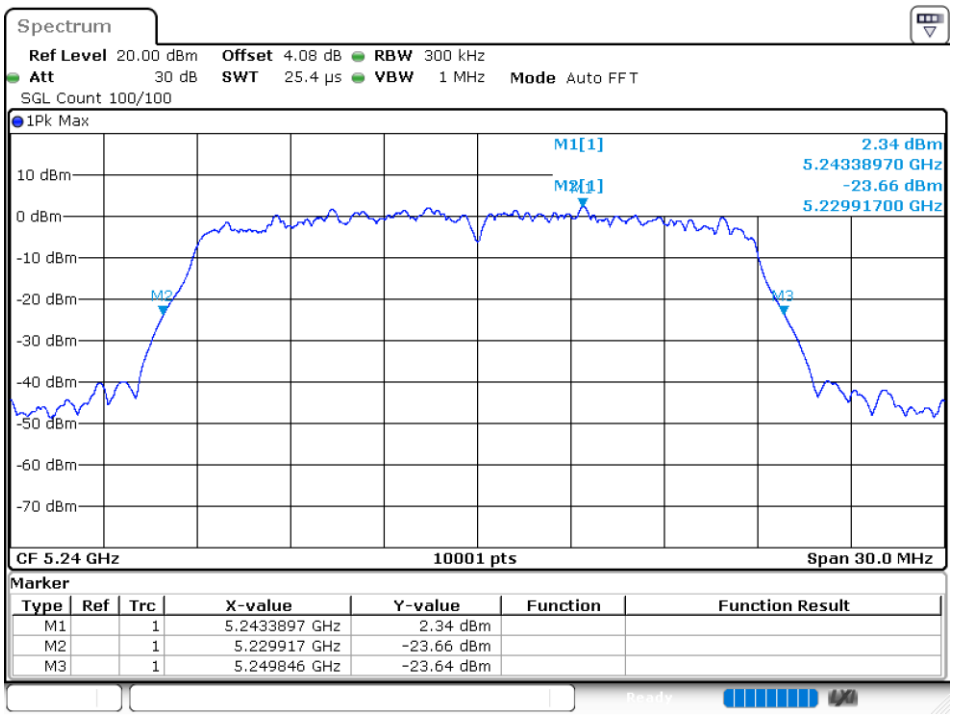
-26dB Bandwidth NVNT n20 5180MHz Ant2



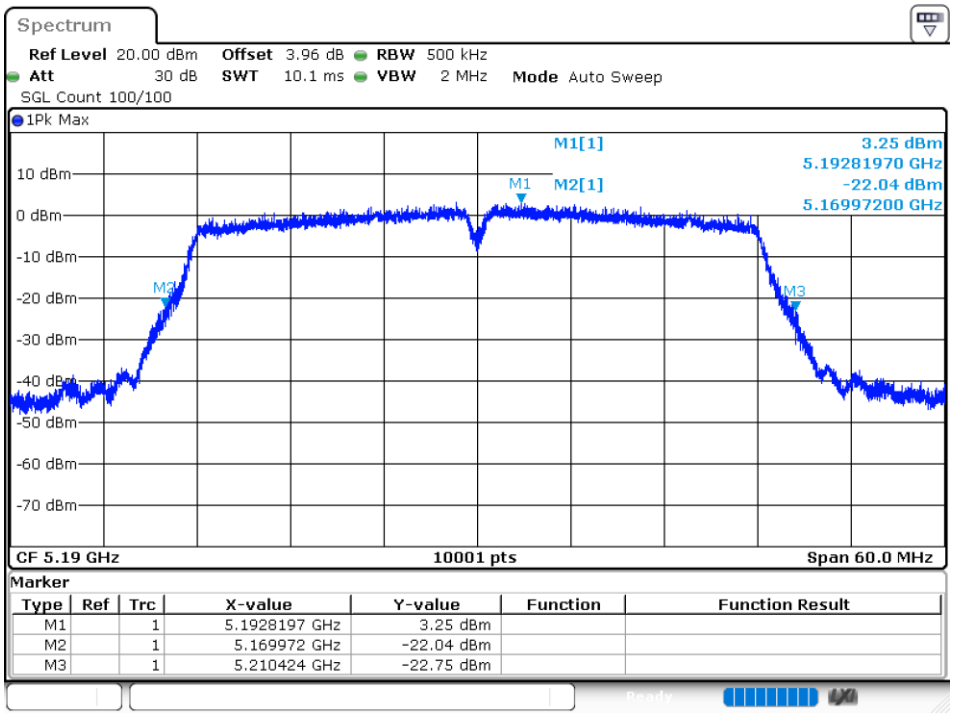
-26dB Bandwidth NVNT n20 5200MHz Ant2



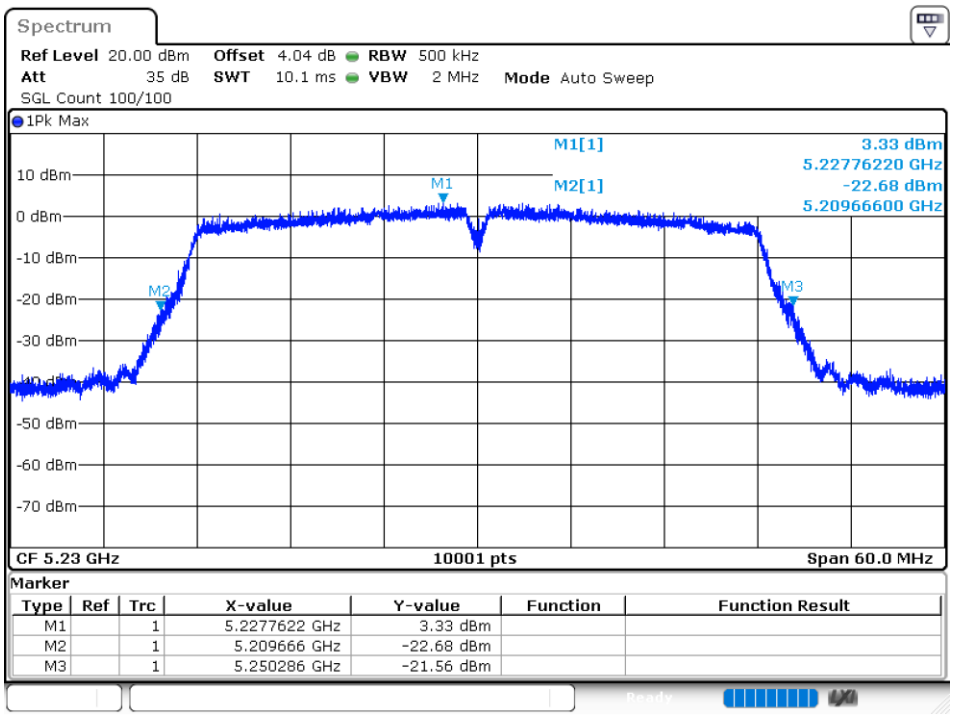
-26dB Bandwidth NVNT n20 5240MHz Ant2



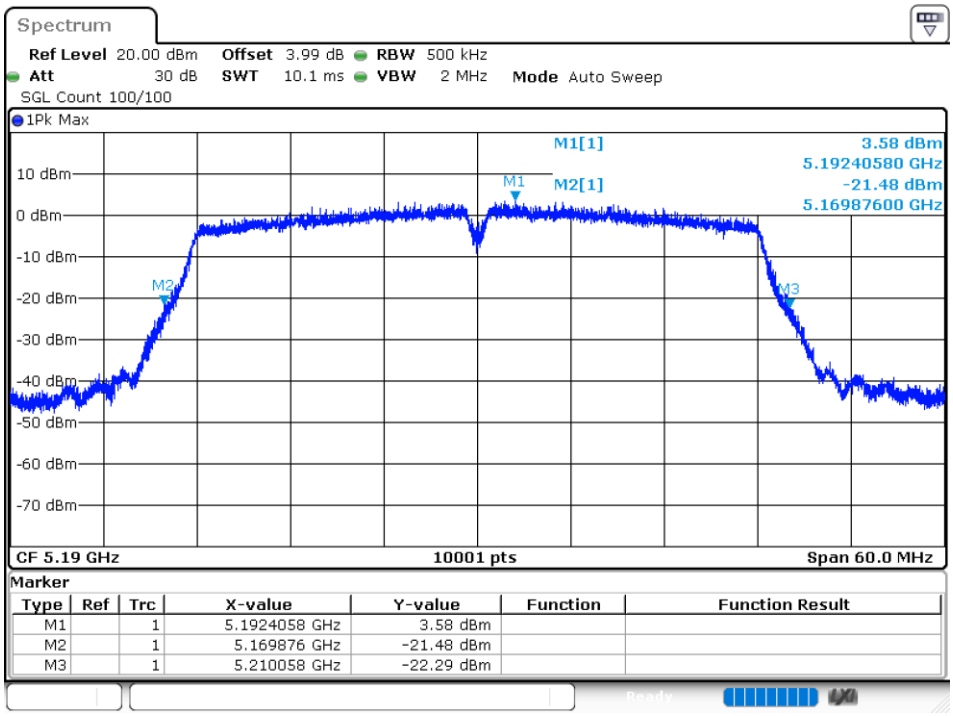
-26dB Bandwidth NVNT n40 5190MHz Ant1



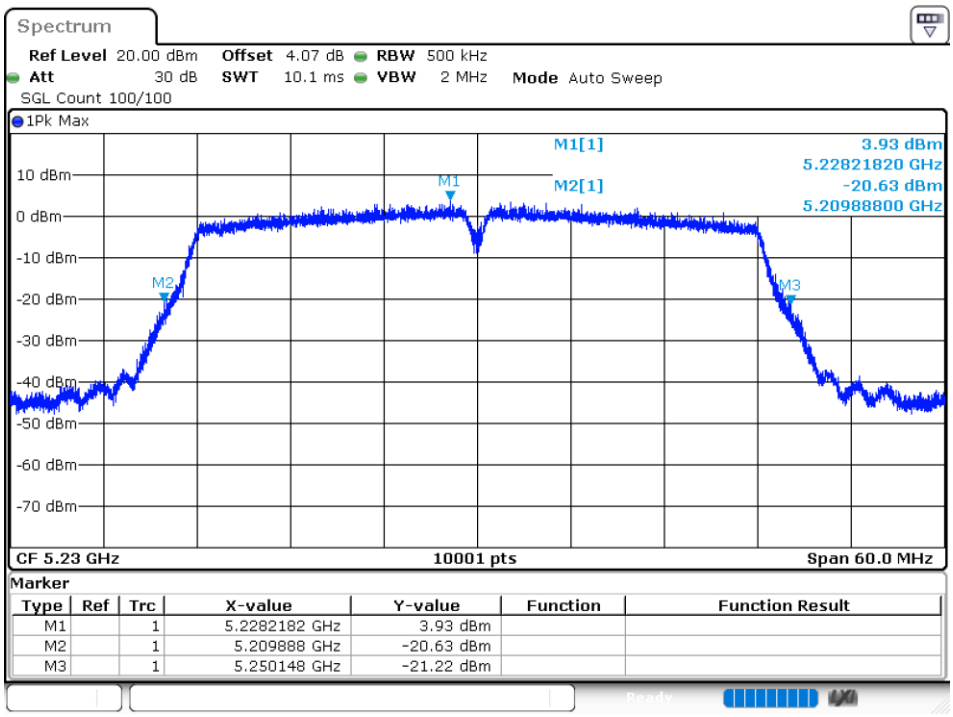
-26dB Bandwidth NVNT n40 5230MHz Ant1



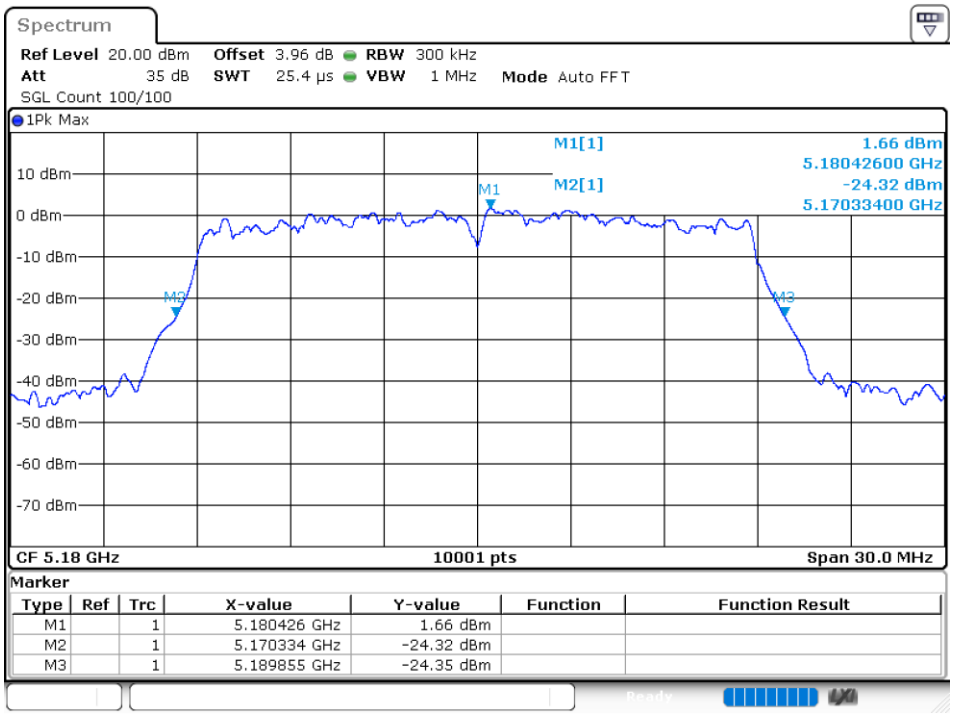
-26dB Bandwidth NVNT n40 5190MHz Ant2



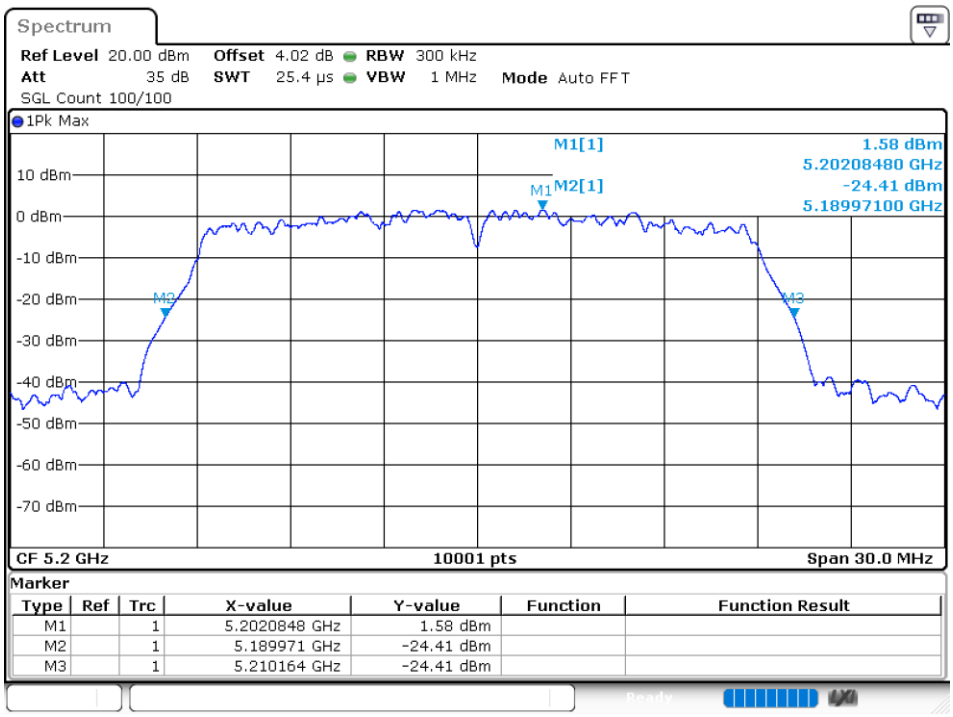
-26dB Bandwidth NVNT n40 5230MHz Ant2



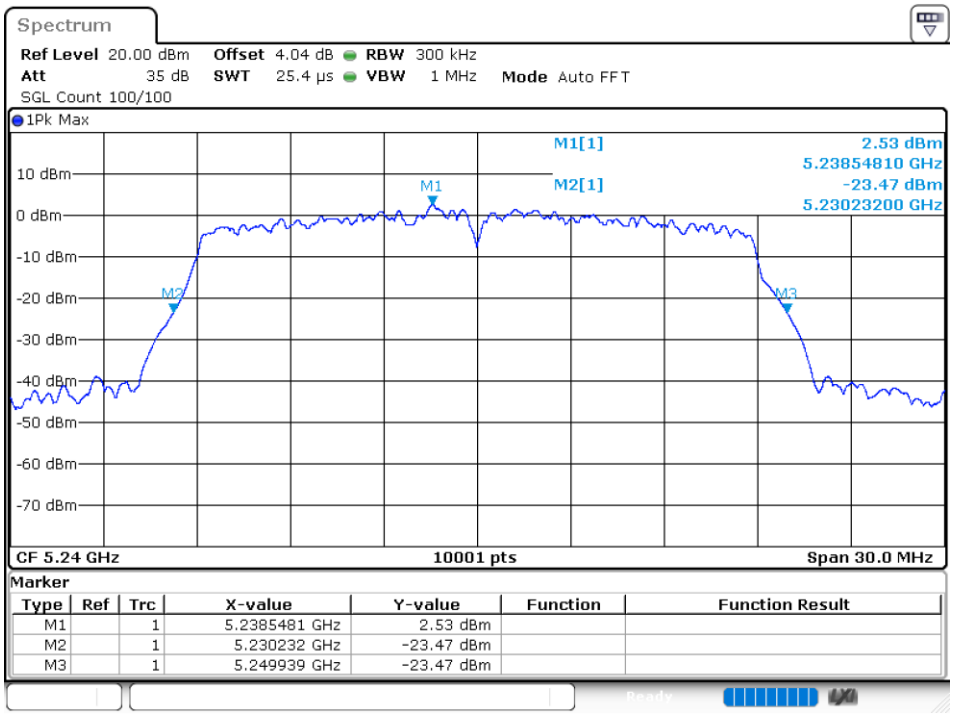
-26dB Bandwidth NVNT ac20 5180MHz Ant1



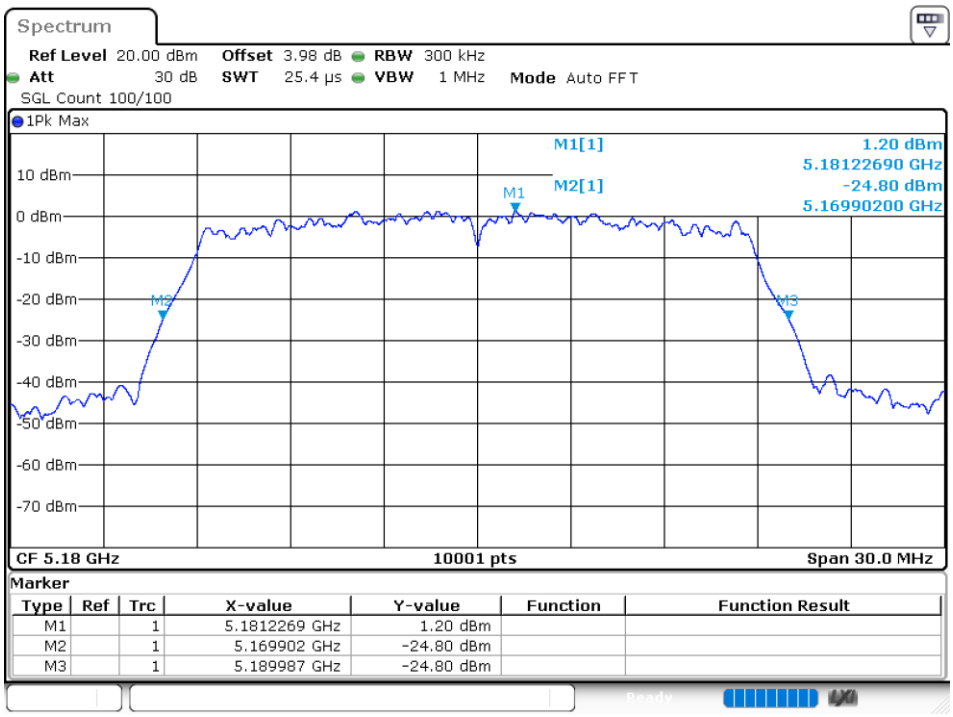
-26dB Bandwidth NVNT ac20 5200MHz Ant1



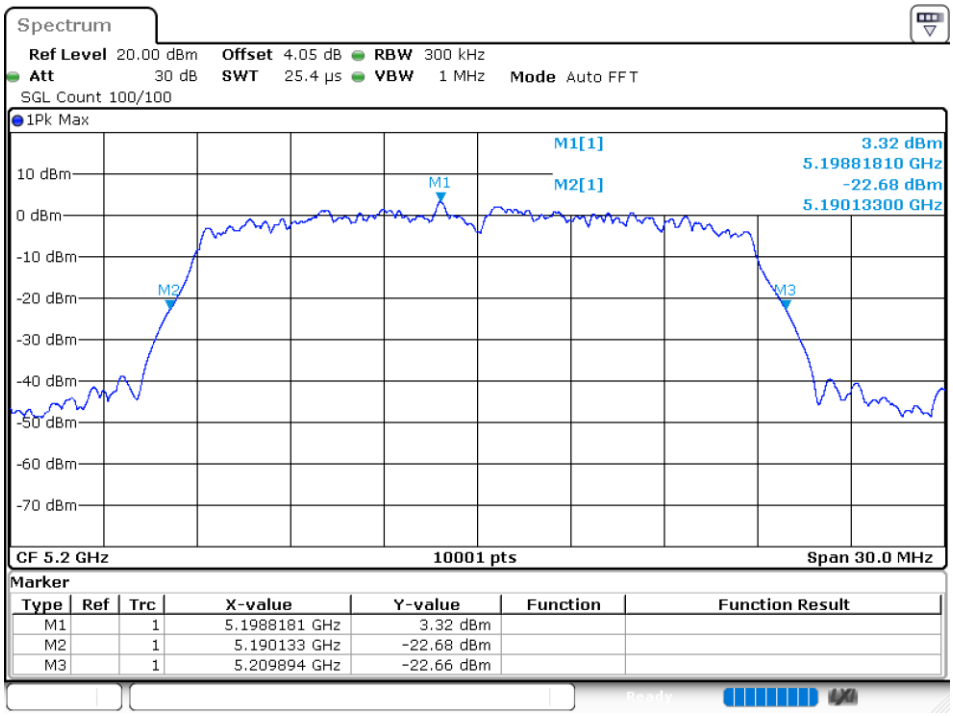
-26dB Bandwidth NVNT ac20 5240MHz Ant1



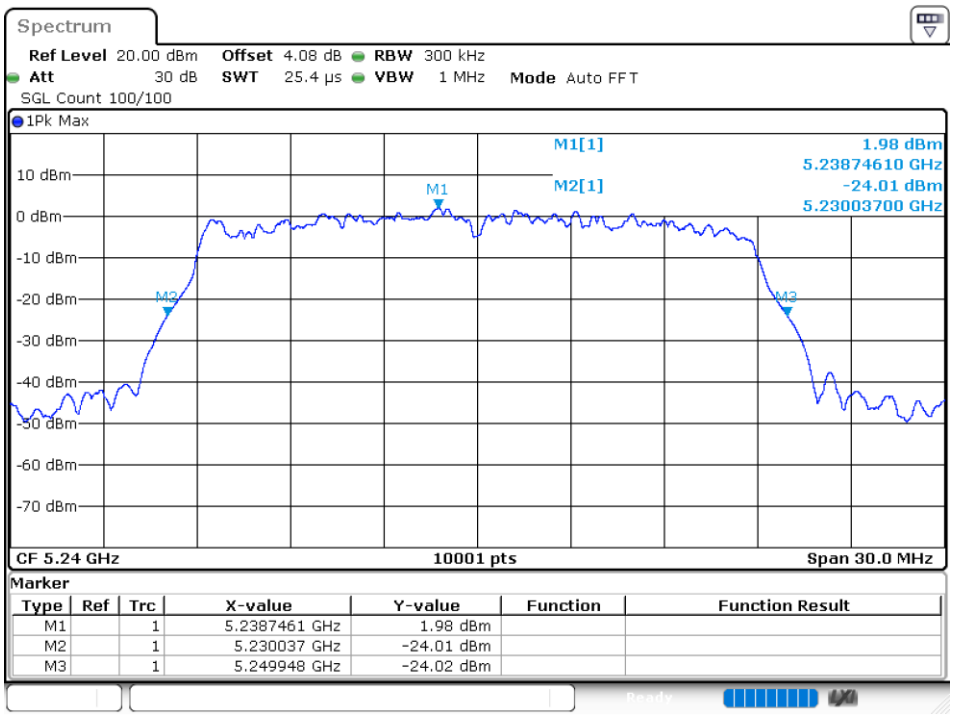
-26dB Bandwidth NVNT ac20 5180MHz Ant2



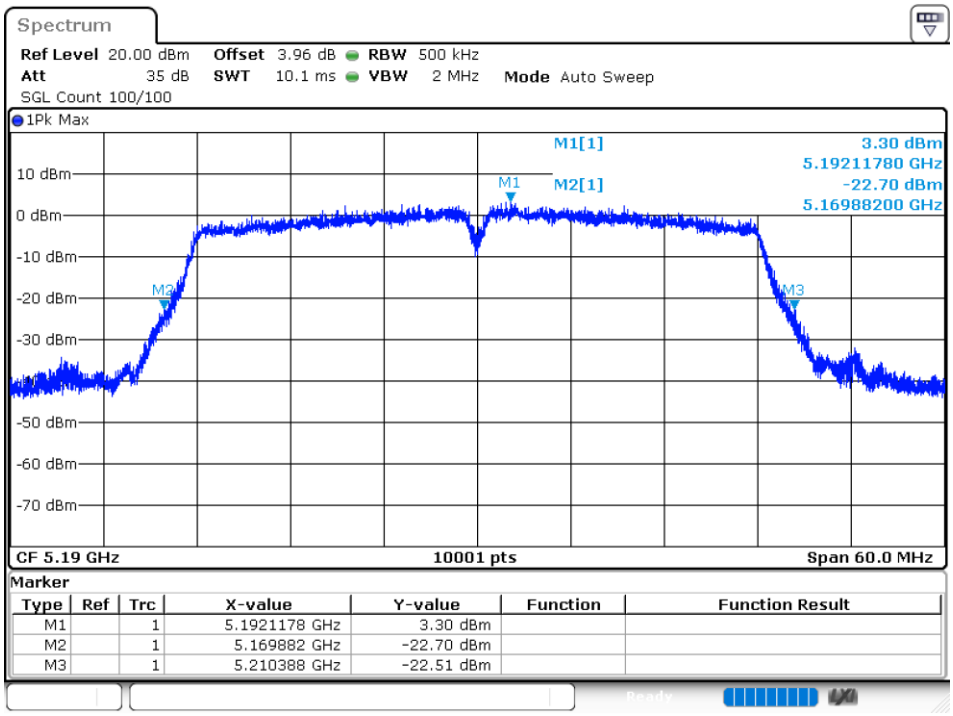
-26dB Bandwidth NVNT ac20 5200MHz Ant2



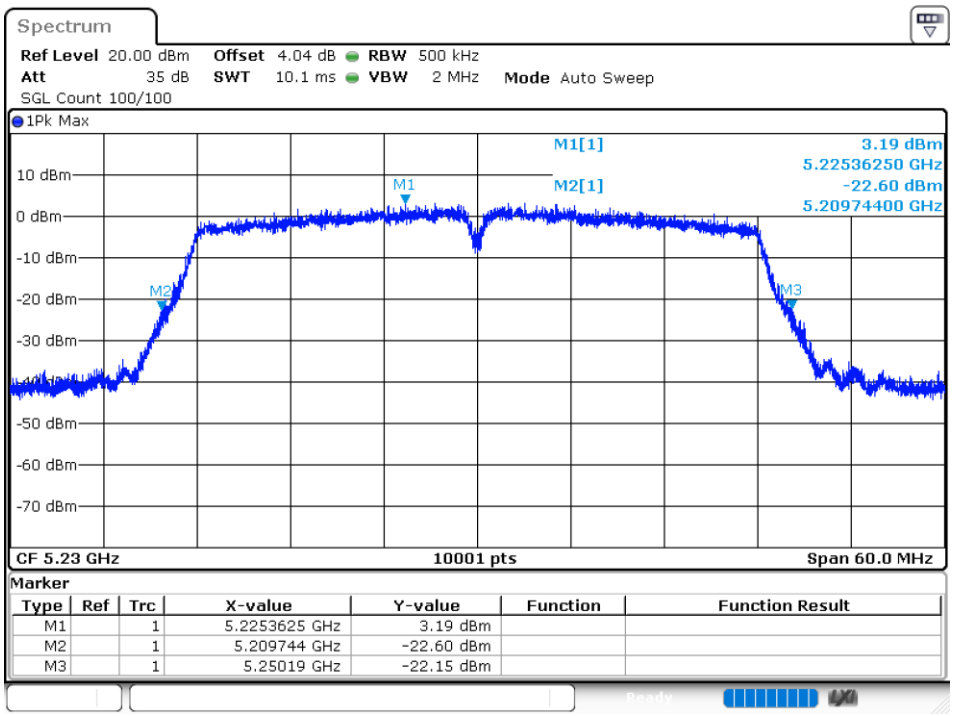
-26dB Bandwidth NVNT ac20 5240MHz Ant2



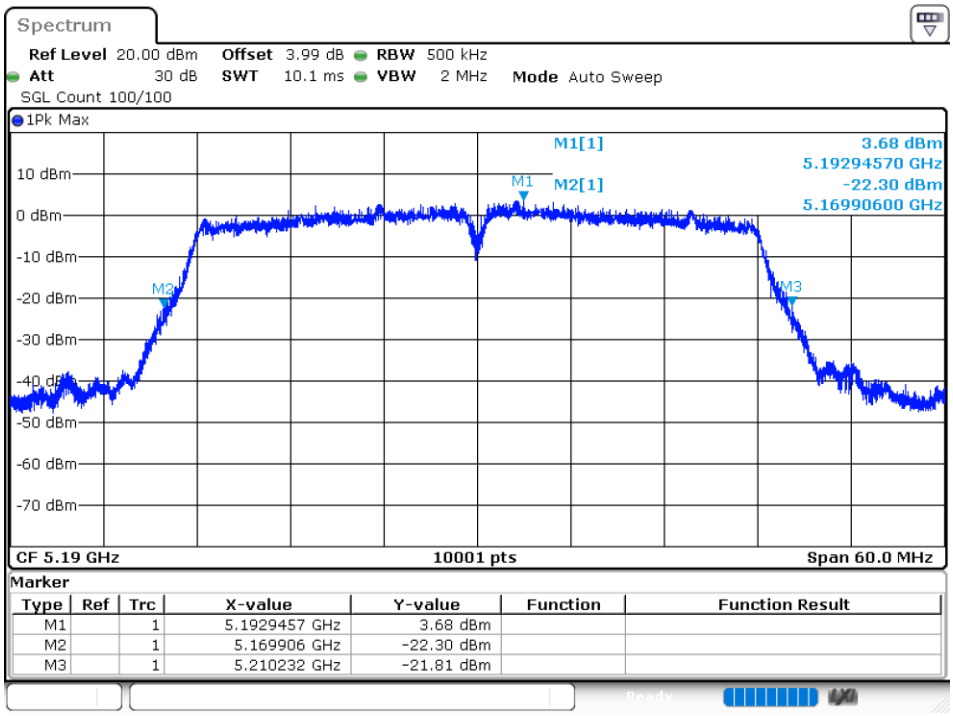
-26dB Bandwidth NVNT ac40 5190MHz Ant1



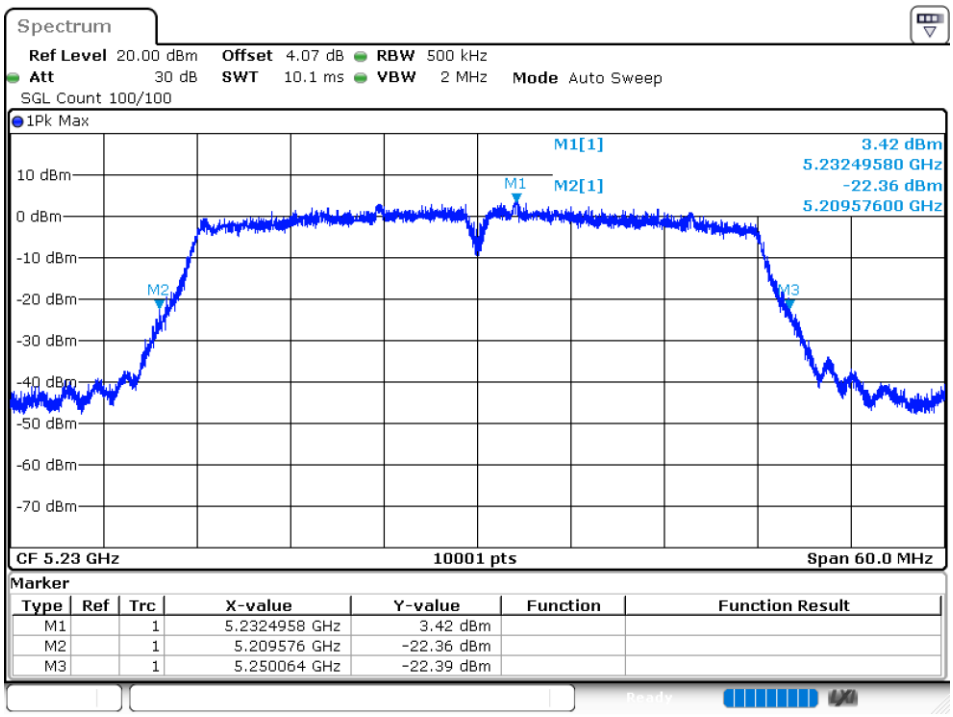
-26dB Bandwidth NVNT ac40 5230MHz Ant1



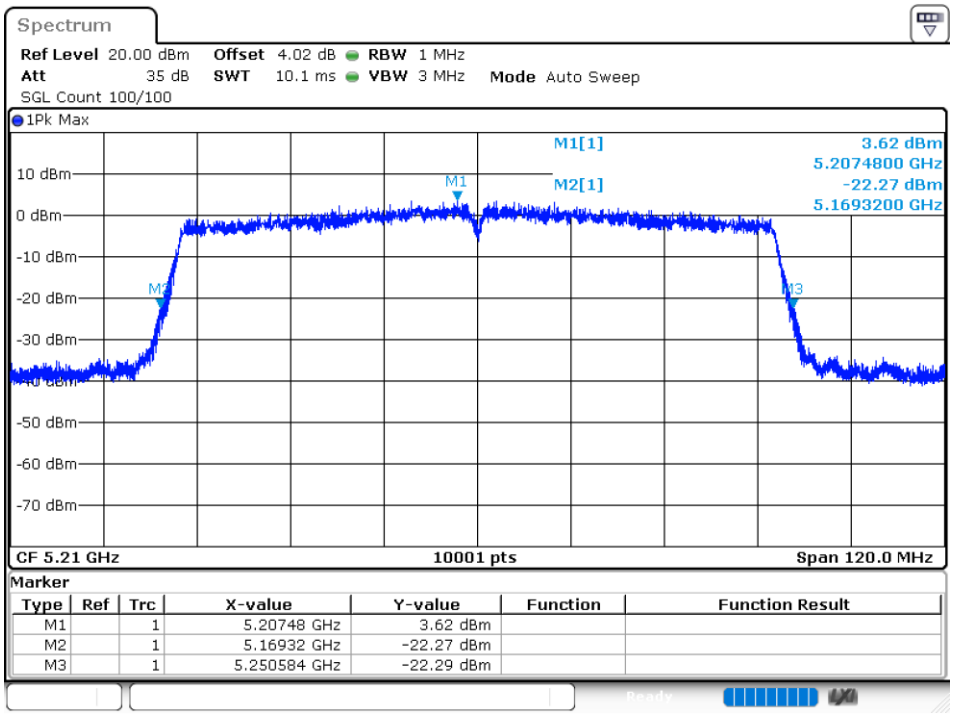
-26dB Bandwidth NVNT ac40 5190MHz Ant2



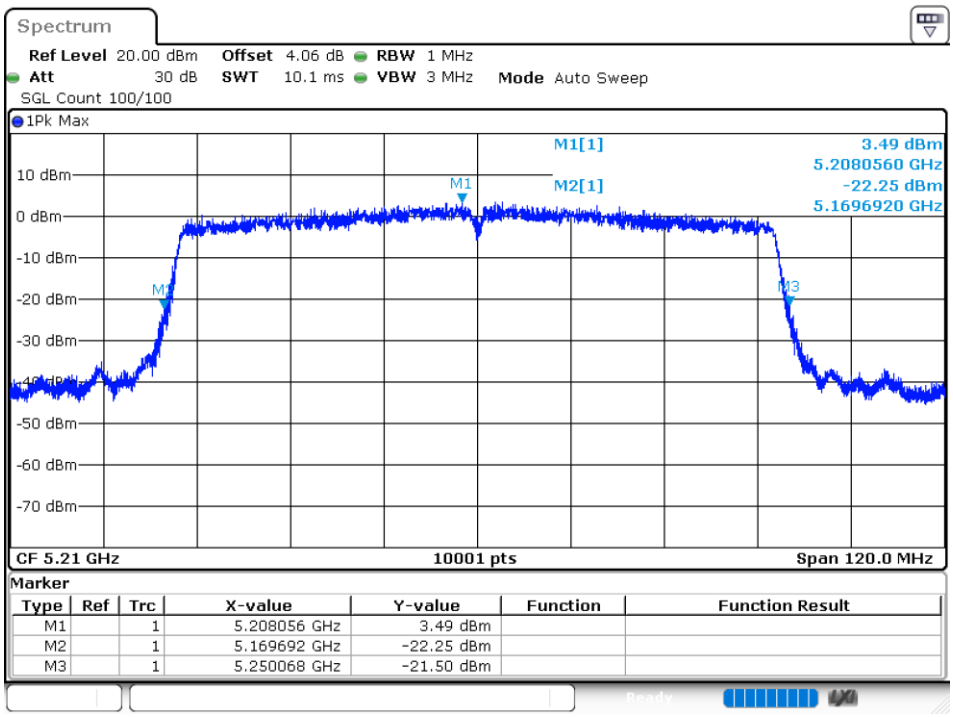
-26dB Bandwidth NVNT ac40 5230MHz Ant2



-26dB Bandwidth NVNT ac80 5210MHz Ant1



-26dB Bandwidth NVNT ac80 5210MHz Ant2

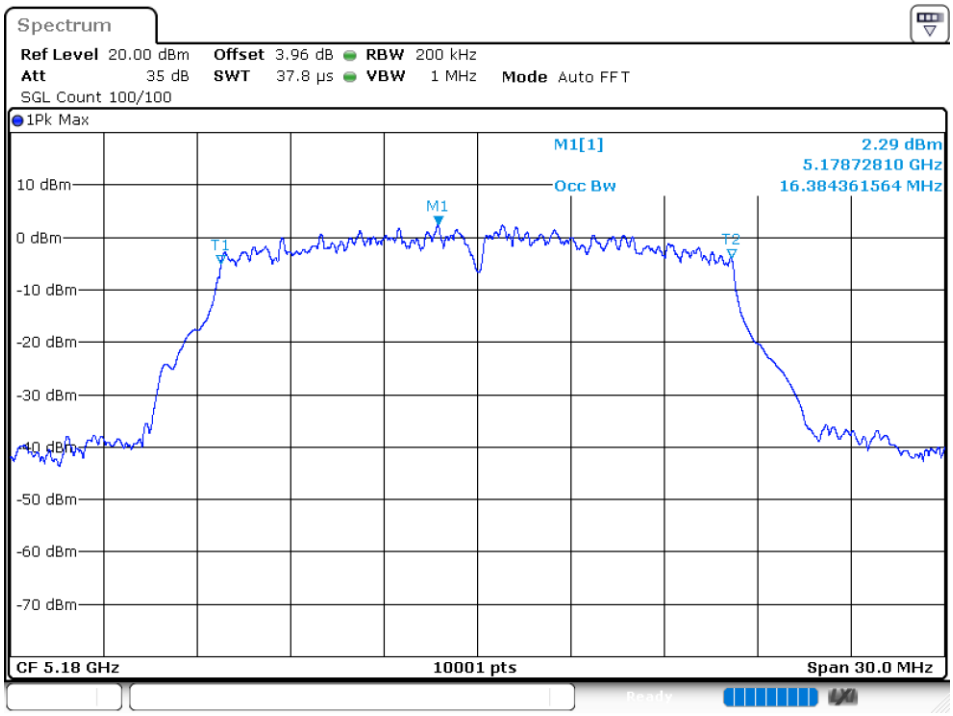


Occupied Channel Bandwidth

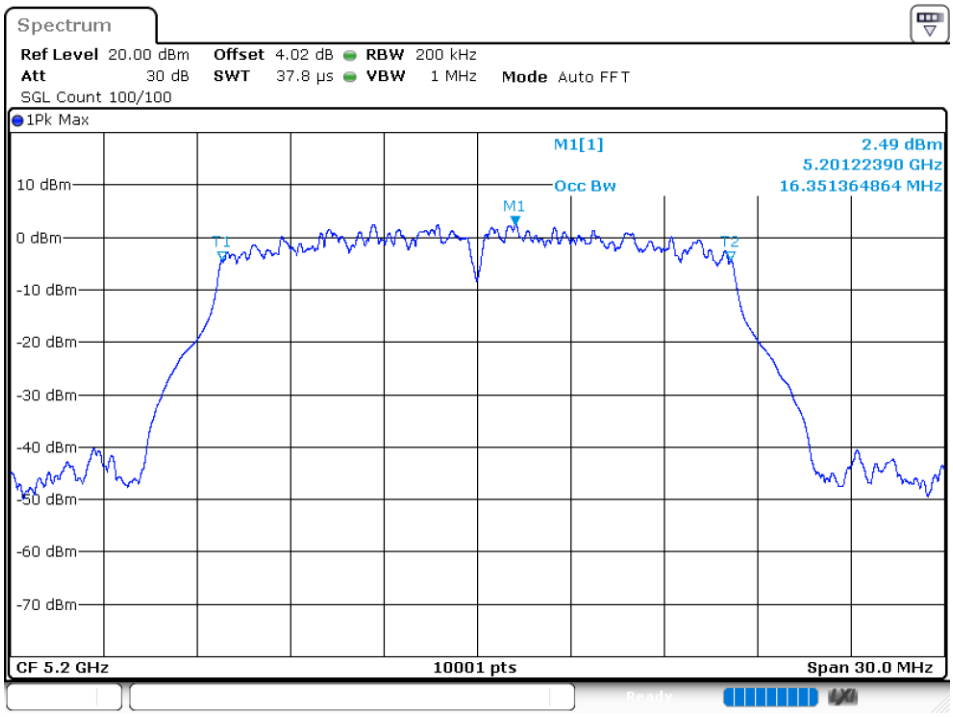
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.384
NVNT	a	5200	Ant1	16.351
NVNT	a	5240	Ant1	16.336
NVNT	a	5180	Ant2	16.279
NVNT	a	5200	Ant2	16.42
NVNT	a	5240	Ant2	16.306
NVNT	n20	5180	Ant1	17.62
NVNT	n20	5200	Ant1	17.506
NVNT	n20	5240	Ant1	17.53
NVNT	n20	5180	Ant2	17.572
NVNT	n20	5200	Ant2	17.515
NVNT	n20	5240	Ant2	17.569
NVNT	n40	5190	Ant1	36.002
NVNT	n40	5230	Ant1	35.996
NVNT	n40	5190	Ant2	35.996
NVNT	n40	5230	Ant2	36.02
NVNT	ac20	5180	Ant1	17.551
NVNT	ac20	5200	Ant1	17.449
NVNT	ac20	5240	Ant1	17.518
NVNT	ac20	5180	Ant2	17.521
NVNT	ac20	5200	Ant2	17.518
NVNT	ac20	5240	Ant2	17.569
NVNT	ac40	5190	Ant1	36.014
NVNT	ac40	5230	Ant1	35.966
NVNT	ac40	5190	Ant2	35.906
NVNT	ac40	5230	Ant2	35.924
NVNT	ac80	5210	Ant1	75.568
NVNT	ac80	5210	Ant2	75.388

Test Graphs

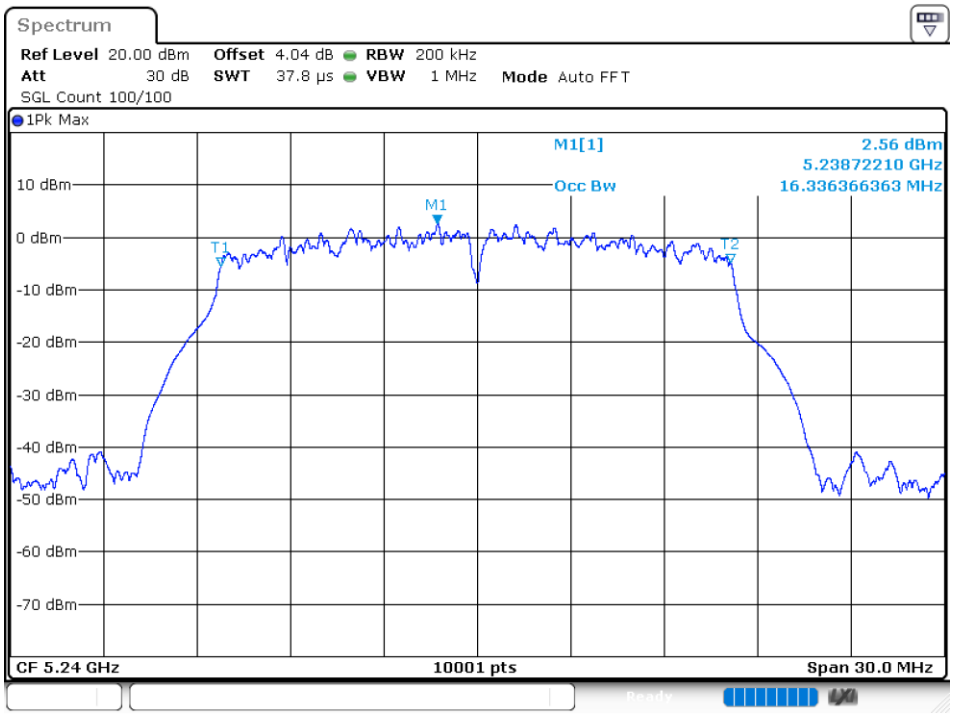
OBW NVNT a 5180MHz Ant1



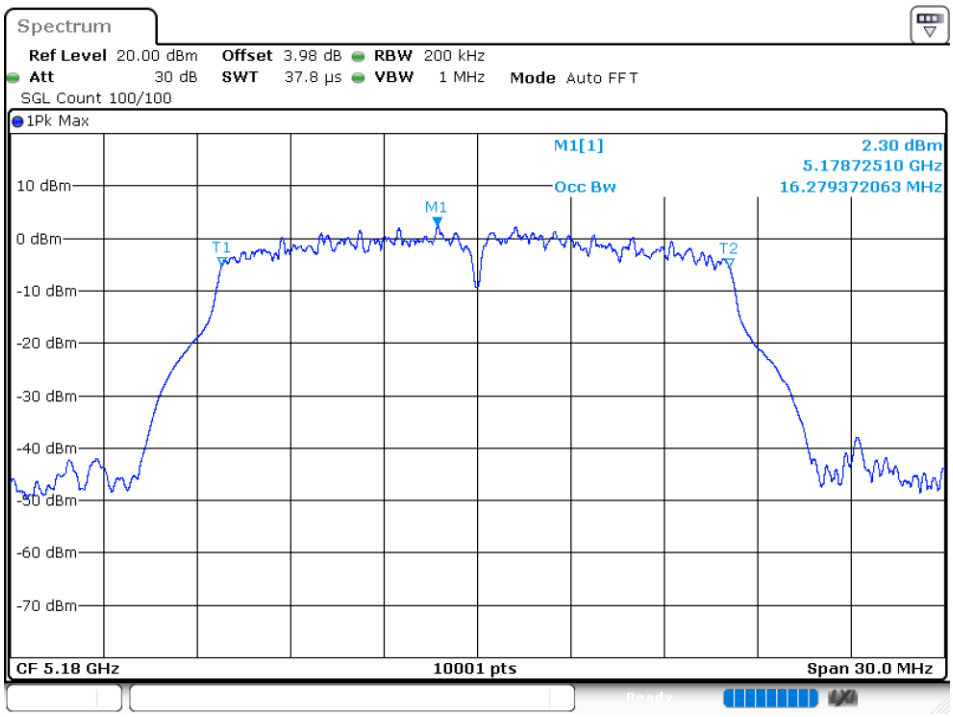
OBW NVNT a 5200MHz Ant1



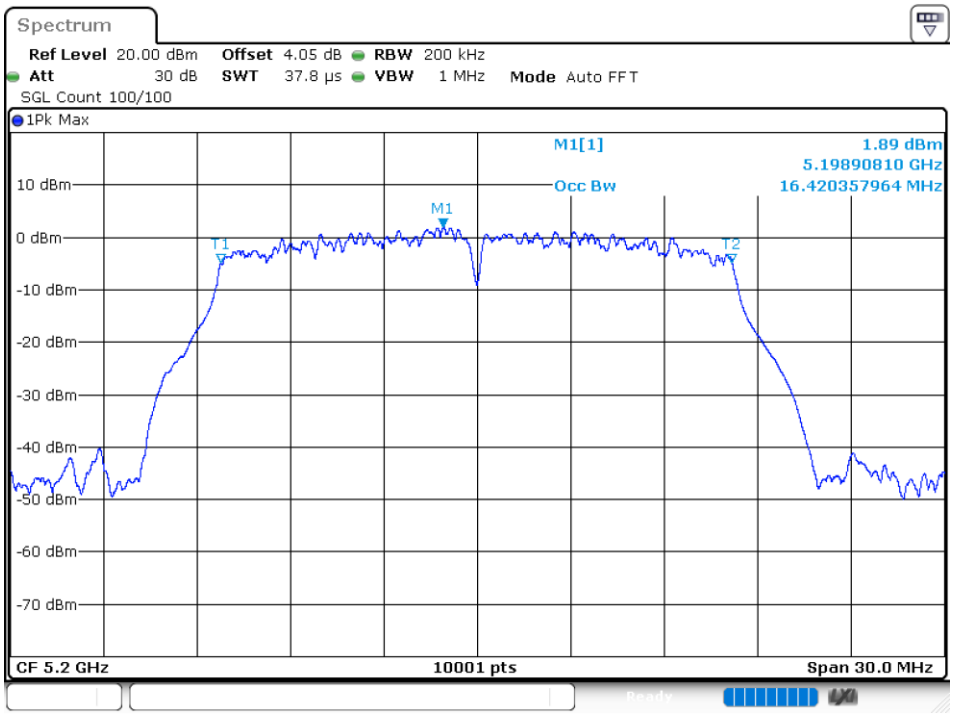
OBW NVNT a 5240MHz Ant1



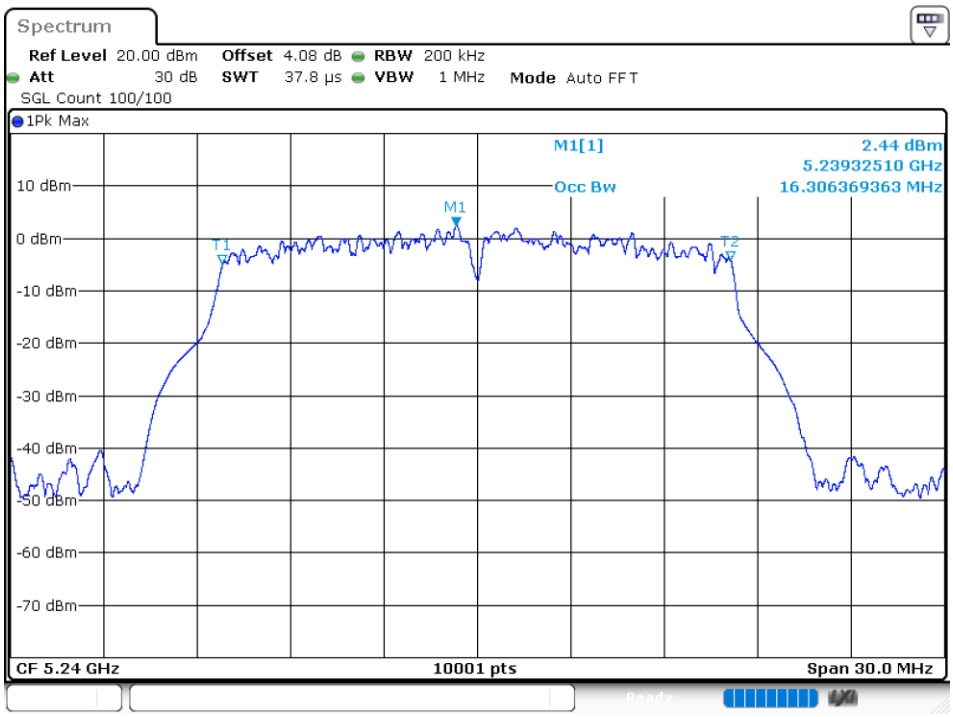
OBW NVNT a 5180MHz Ant2



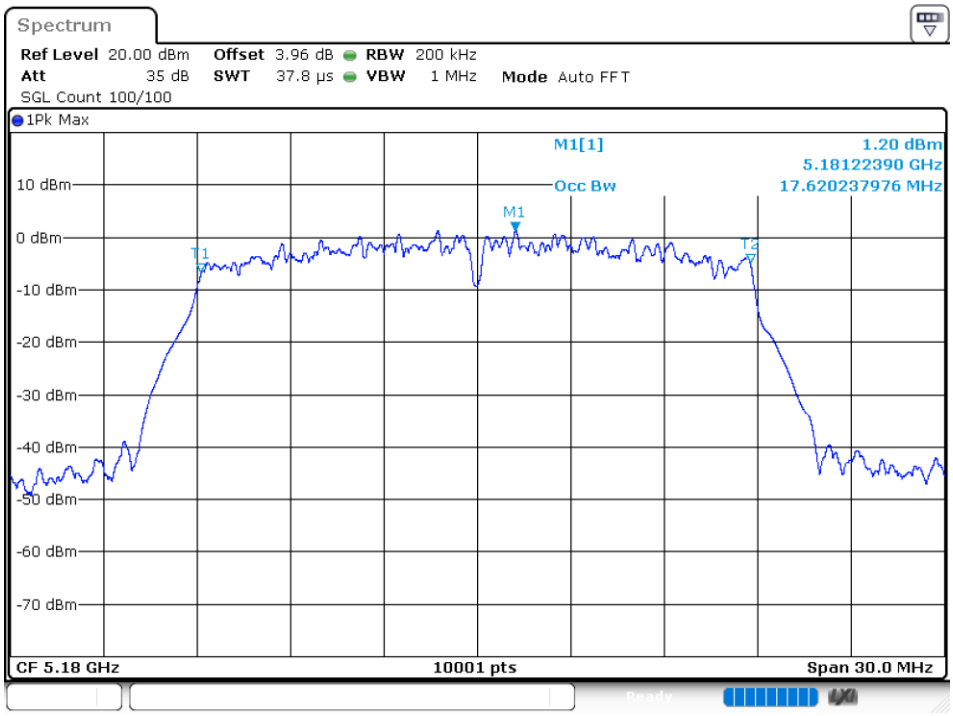
OBW NVNT a 5200MHz Ant2



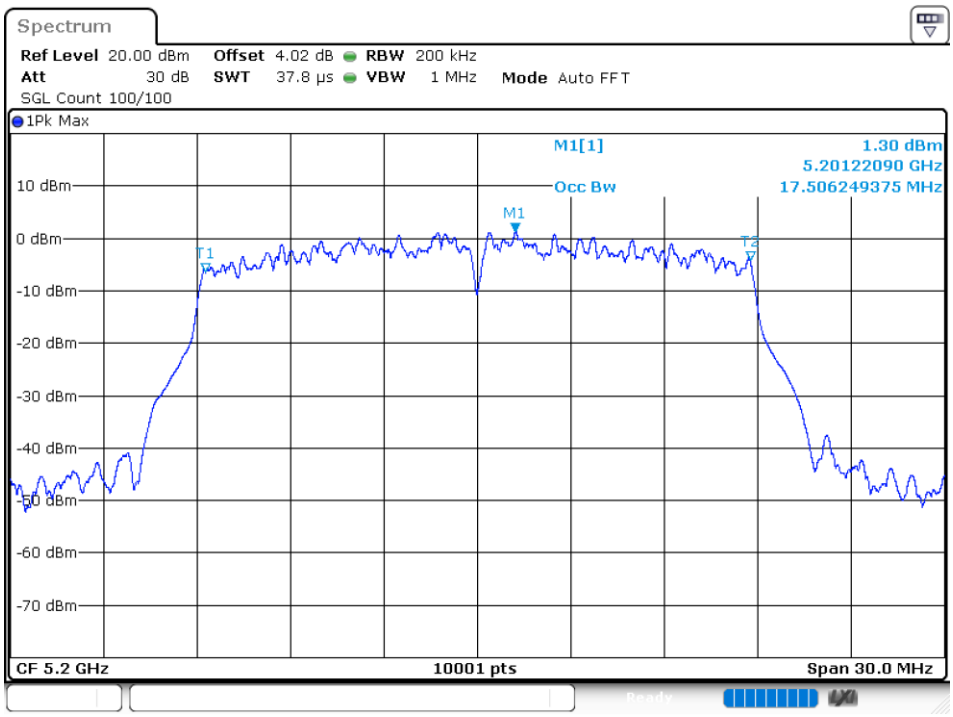
OBW NVNT a 5240MHz Ant2



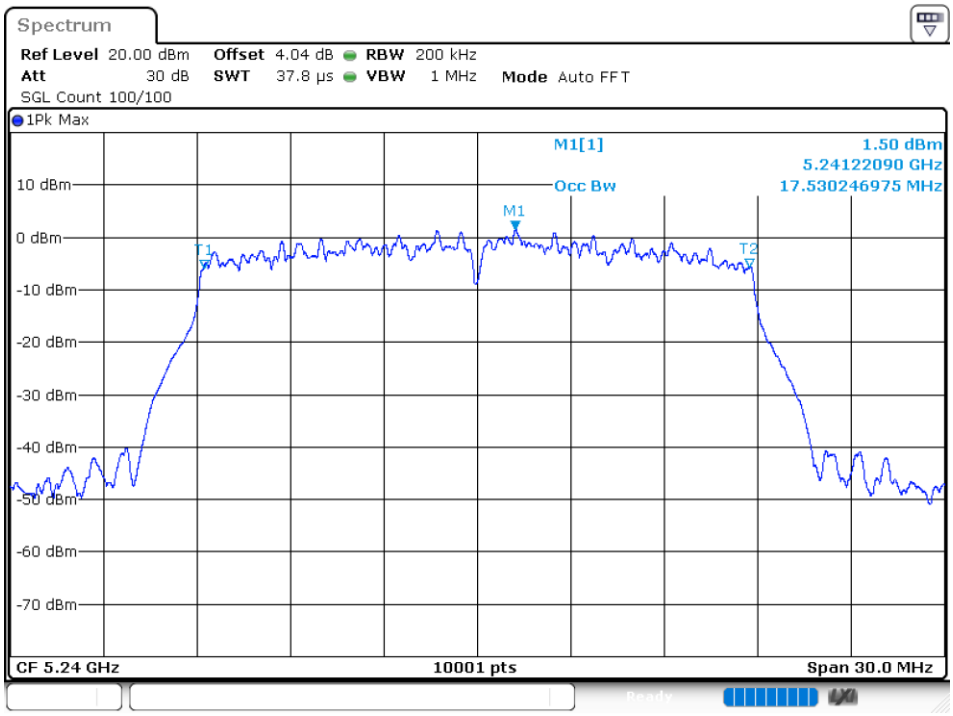
OBW NVNT n20 5180MHz Ant1



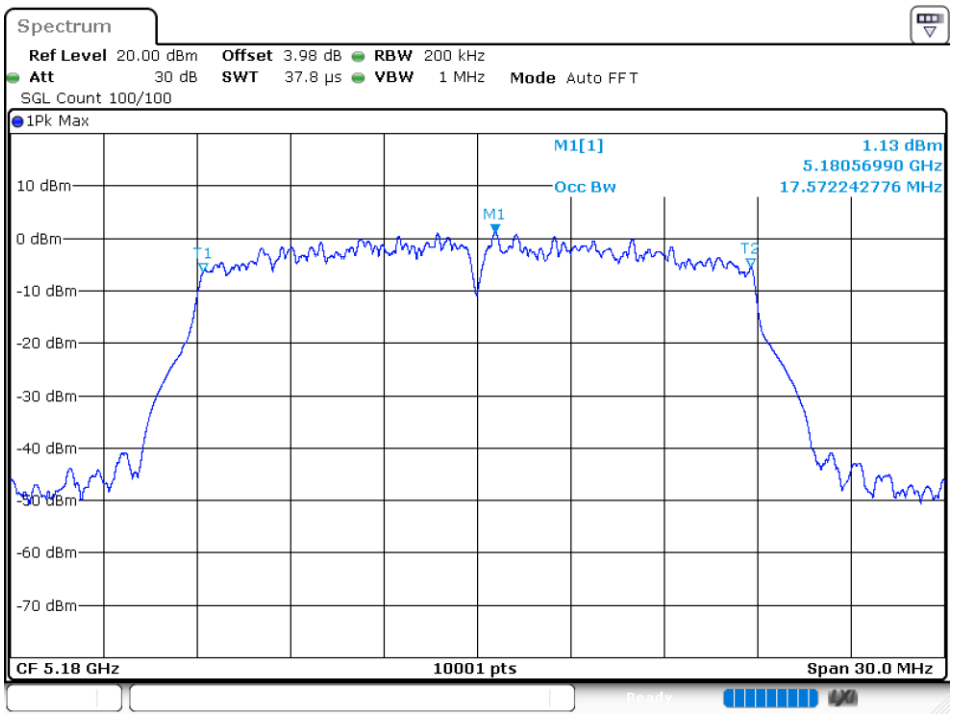
OBW NVNT n20 5200MHz Ant1



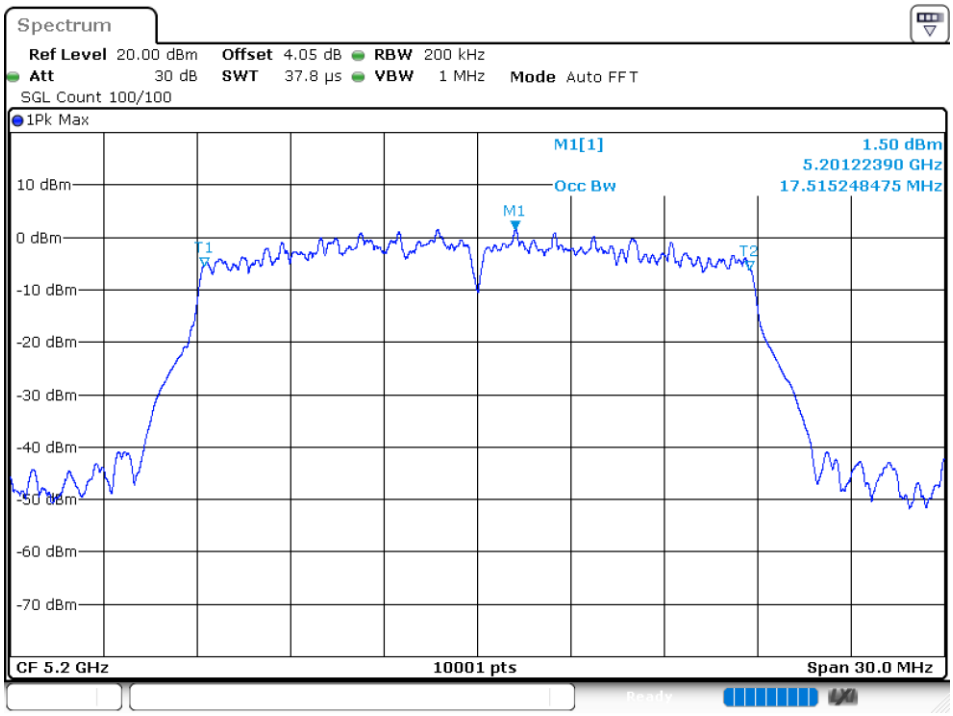
OBW NVNT n20 5240MHz Ant1



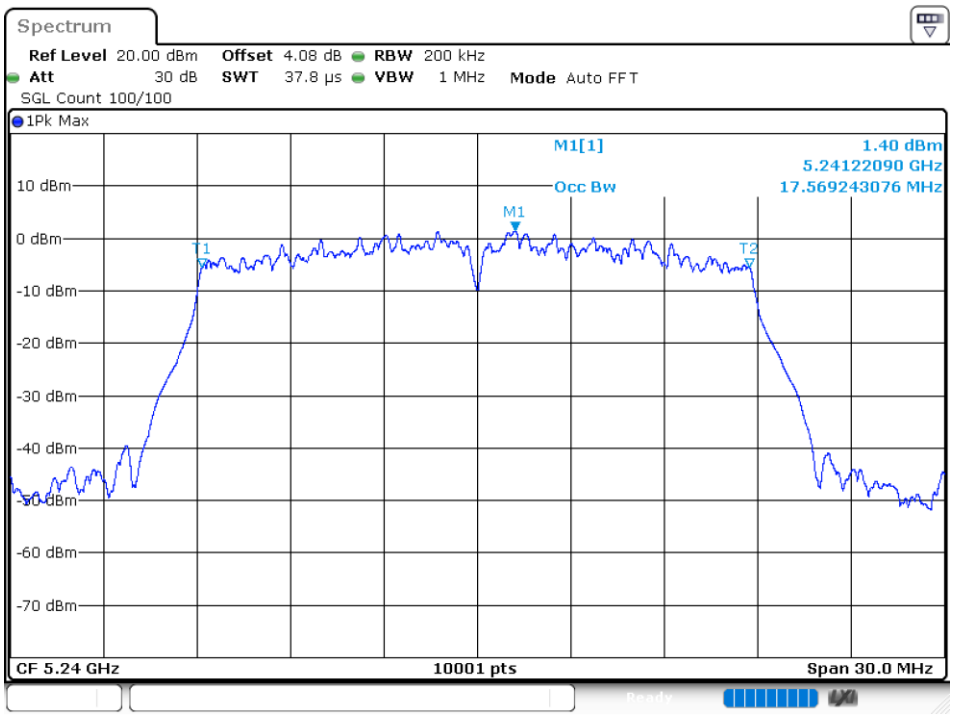
OBW NVNT n20 5180MHz Ant2



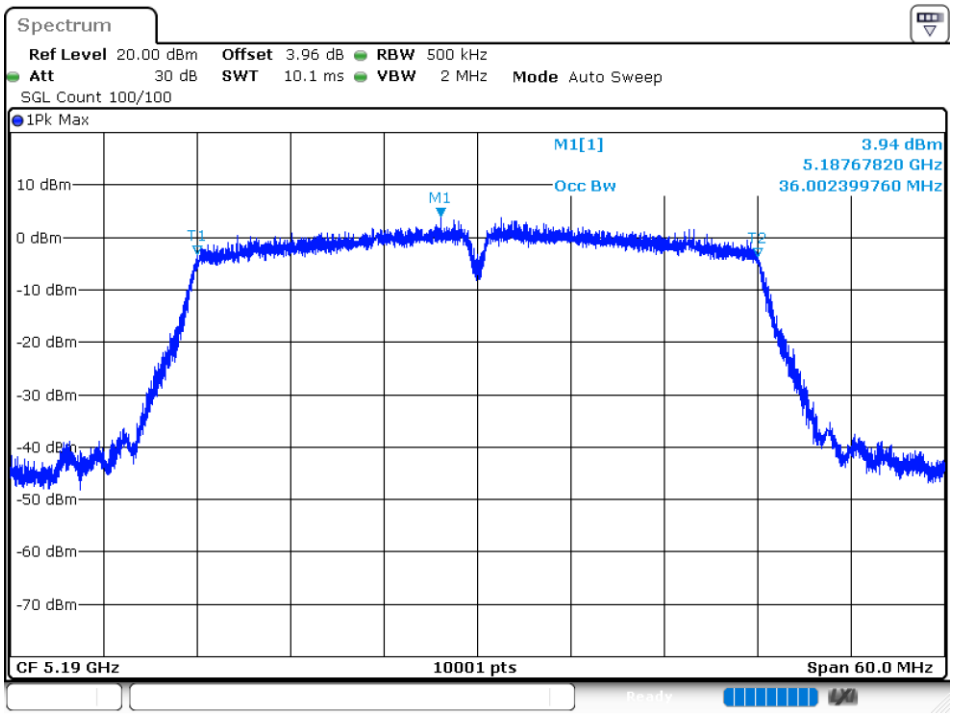
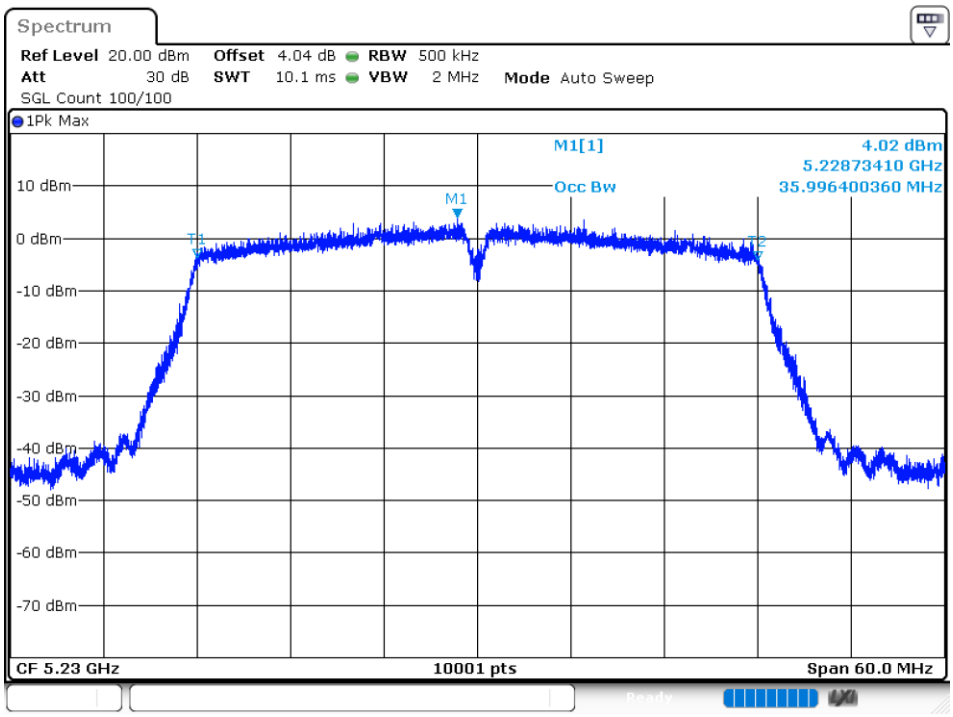
OBW NVNT n20 5200MHz Ant2



OBW NVNT n20 5240MHz Ant2



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1