5.2G WIFI

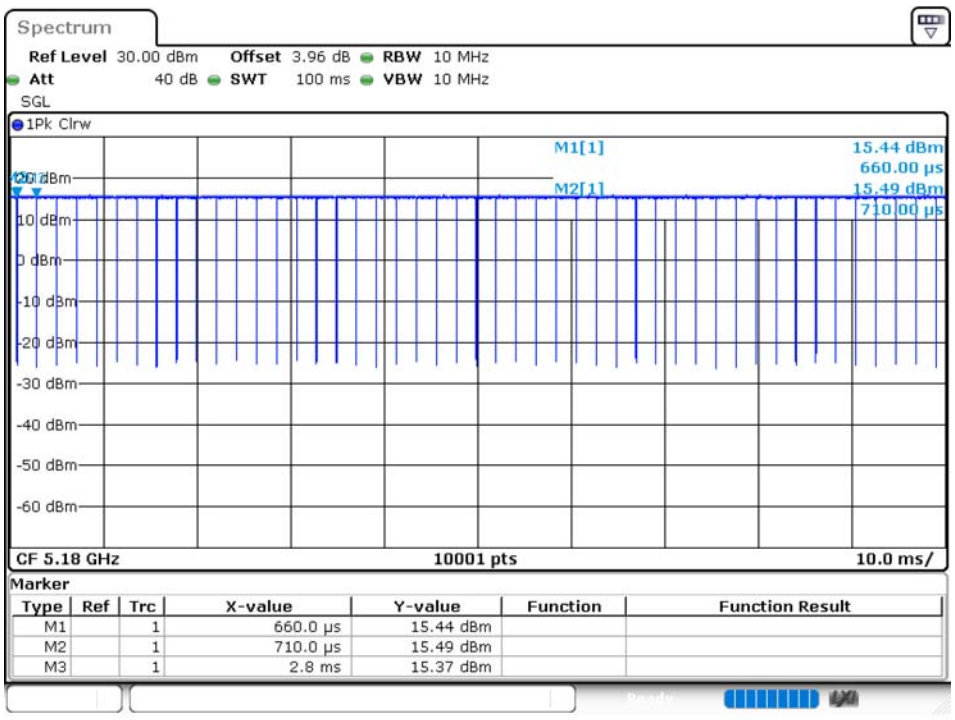
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.23	0.08	0.48
NVNT	a	5200	Ant1	98.19	0.08	0.48
NVNT	a	5240	Ant1	98.23	0.08	0.48
NVNT	a	5180	Ant2	98.23	0.08	0.48
NVNT	a	5200	Ant2	98.29	0.07	0.48
NVNT	a	5240	Ant2	98.2	0.08	0.48
NVNT	n20	5180	Ant1	99.05	0.04	0.25
NVNT	n20	5200	Ant1	99.02	0.04	0.25
NVNT	n20	5240	Ant1	99.02	0.04	0.25
NVNT	n20	5180	Ant2	99.04	0.04	0.25
NVNT	n20	5200	Ant2	99.02	0.04	0.25
NVNT	n20	5240	Ant2	99.02	0.04	0.25
NVNT	n40	5190	Ant1	99.03	0.04	0.25
NVNT	n40	5230	Ant1	99.03	0.04	0.25
NVNT	n40	5190	Ant2	99.03	0.04	0.25
NVNT	n40	5230	Ant2	99.07	0.04	0.25
NVNT	ac20	5180	Ant1	99.03	0.04	0.25
NVNT	ac20	5200	Ant1	99.03	0.04	0.25
NVNT	ac20	5240	Ant1	99.04	0.04	0.25
NVNT	ac20	5180	Ant2	99.02	0.04	0.25
NVNT	ac20	5200	Ant2	99.01	0.04	0.25
NVNT	ac20	5240	Ant2	99.02	0.04	0.25
NVNT	ac40	5190	Ant1	99.02	0.04	0.25
NVNT	ac40	5230	Ant1	99.03	0.04	0.25
NVNT	ac40	5190	Ant2	99.04	0.04	0.25
NVNT	ac40	5230	Ant2	99.05	0.04	0.25
NVNT	ac80	5210	Ant1	99.03	0.04	0.25
NVNT	ac80	5210	Ant2	99.07	0.04	0.25
NVNT	ac160	5250	Ant1	99.02	0.04	0.25
NVNT	ac160	5250	Ant2	93.78	0.28	5
NVNT	ax160	5250	Ant1	99.05	0.04	0.25
NVNT	ax160	5250	Ant2	99.04	0.04	0.25
NVNT	ax20	5180	Ant1	99.01	0.04	0.25
NVNT	ax20	5200	Ant1	99.05	0.04	0.25
NVNT	ax20	5240	Ant1	99.03	0.04	0.25

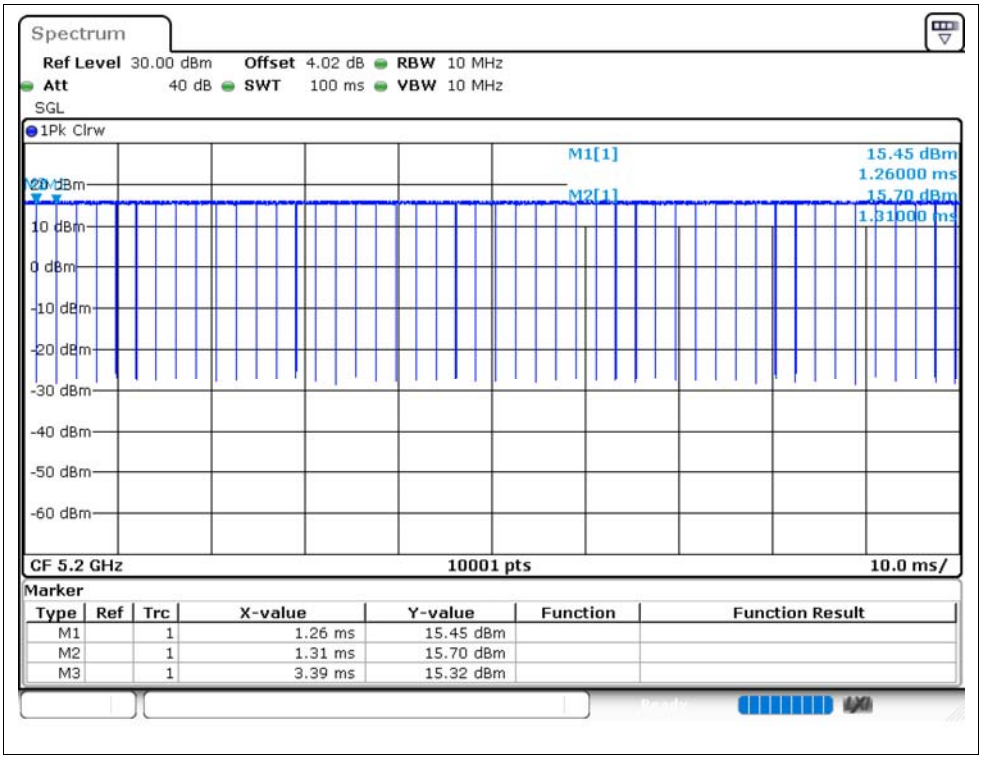
NVNT	ax20	5180	Ant2	99.06	0.04	0.25
NVNT	ax20	5200	Ant2	99.01	0.04	0.25
NVNT	ax20	5240	Ant2	99.01	0.04	0.25
NVNT	ax40	5190	Ant1	99.04	0.04	0.25
NVNT	ax40	5230	Ant1	99.07	0.04	0.25
NVNT	ax40	5190	Ant2	99.04	0.04	0.25
NVNT	ax40	5230	Ant2	99.04	0.04	0.25
NVNT	ax80	5210	Ant1	99.03	0.04	0.25
NVNT	ax80	5210	Ant2	99.04	0.04	0.25

Test Graphs

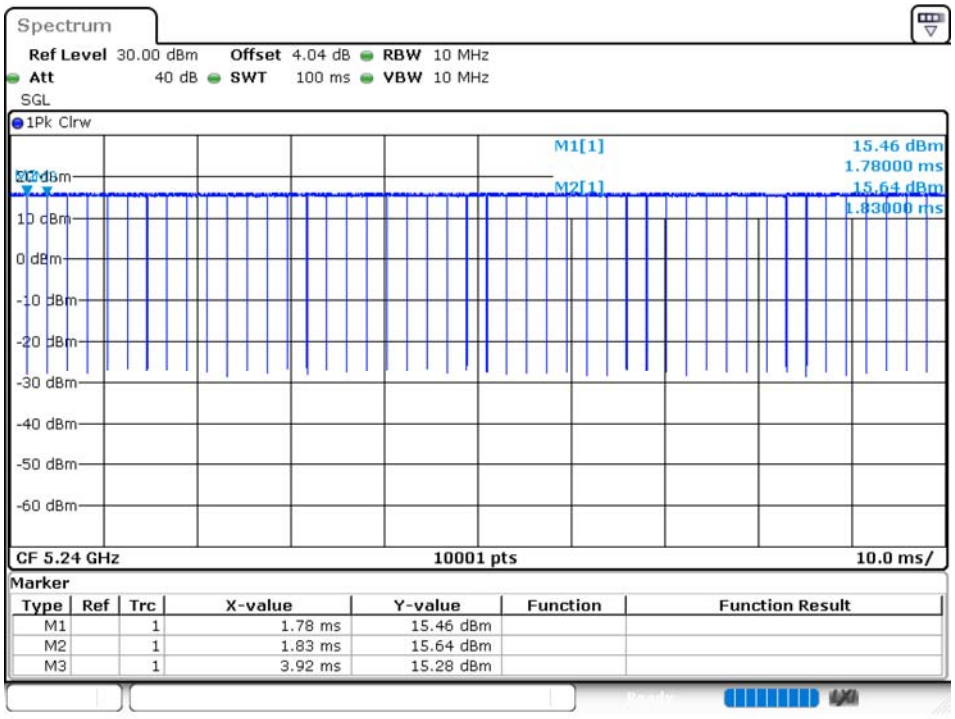
Duty Cycle NVNT a 5180MHz Ant1



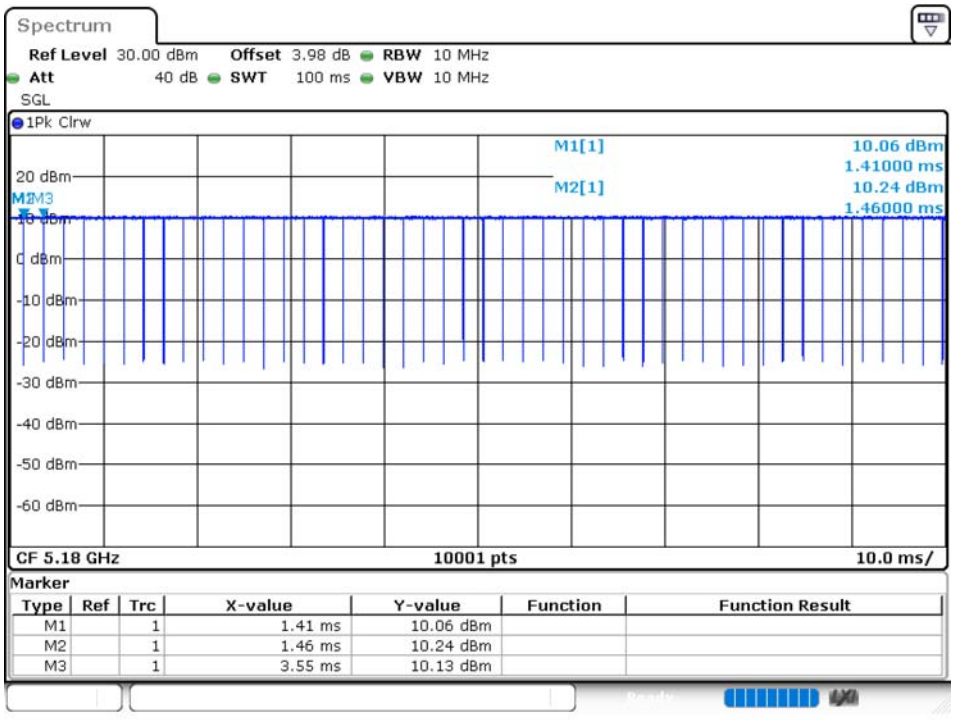
Duty Cycle NVNT a 5200MHz Ant1


Spectrum
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
Att 40 dB SWT 100 ms VBW 10 MHz
SGL
1Pk Clrw
M1[1] 15.45 dBm
1.26000 ms
M2[1] 15.70 dBm
1.31000 ms
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
CF 5.2 GHz
10001 pts
10.0 ms/
Marker
Type Ref Trc X-value Y-value Function Function Result
M1 1 1.26 ms 15.45 dBm
M2 1 1.31 ms 15.70 dBm
M3 1 3.39 ms 15.32 dBm

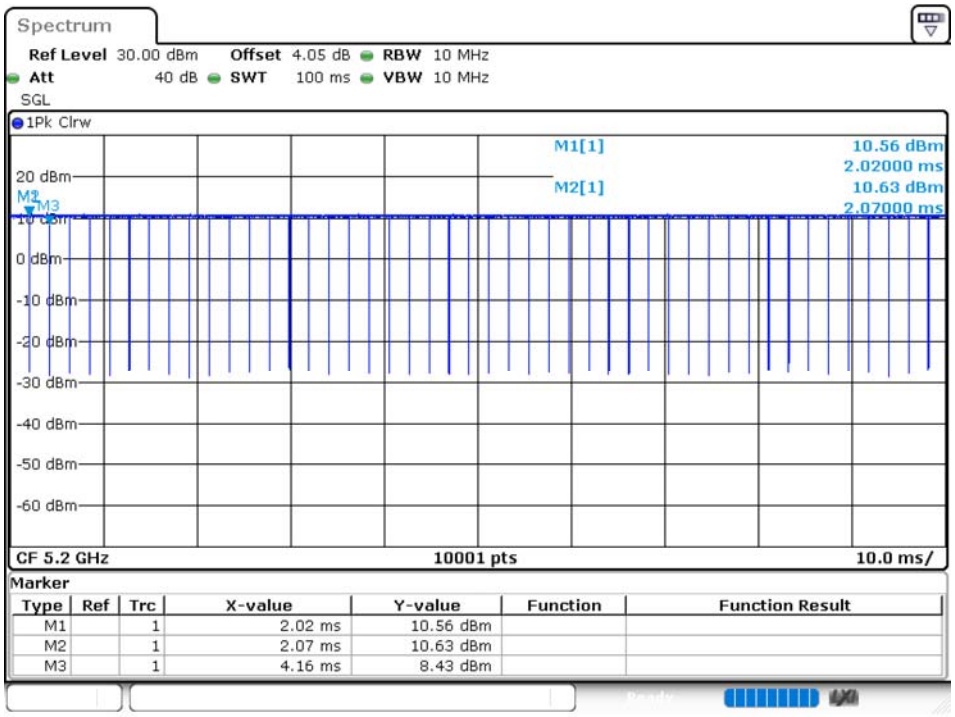
Duty Cycle NVNT a 5240MHz Ant1



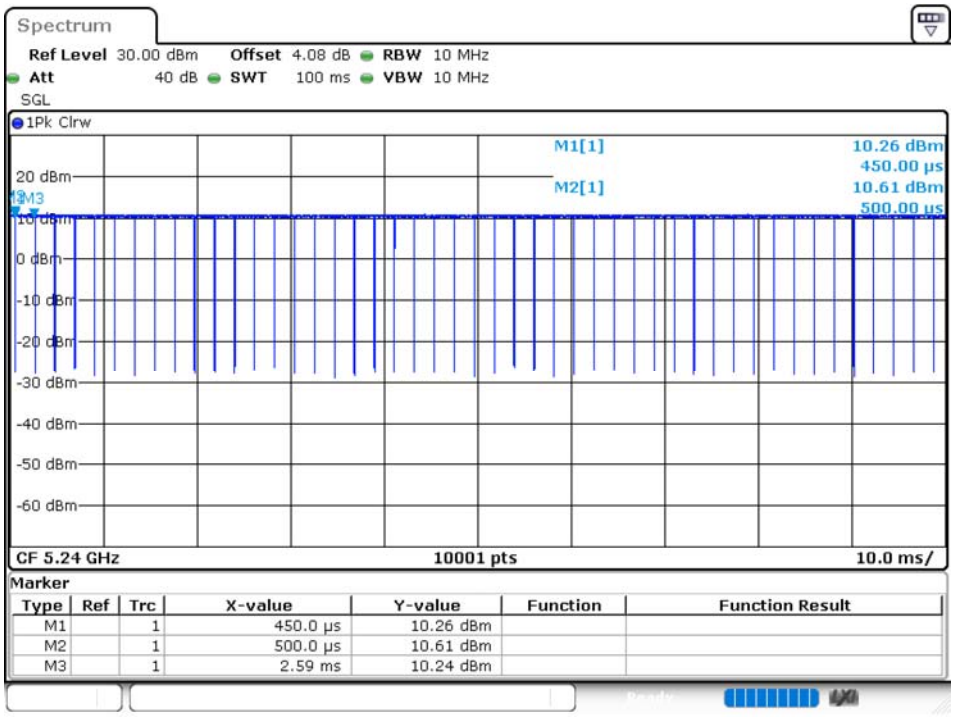
Duty Cycle NVNT a 5180MHz Ant2



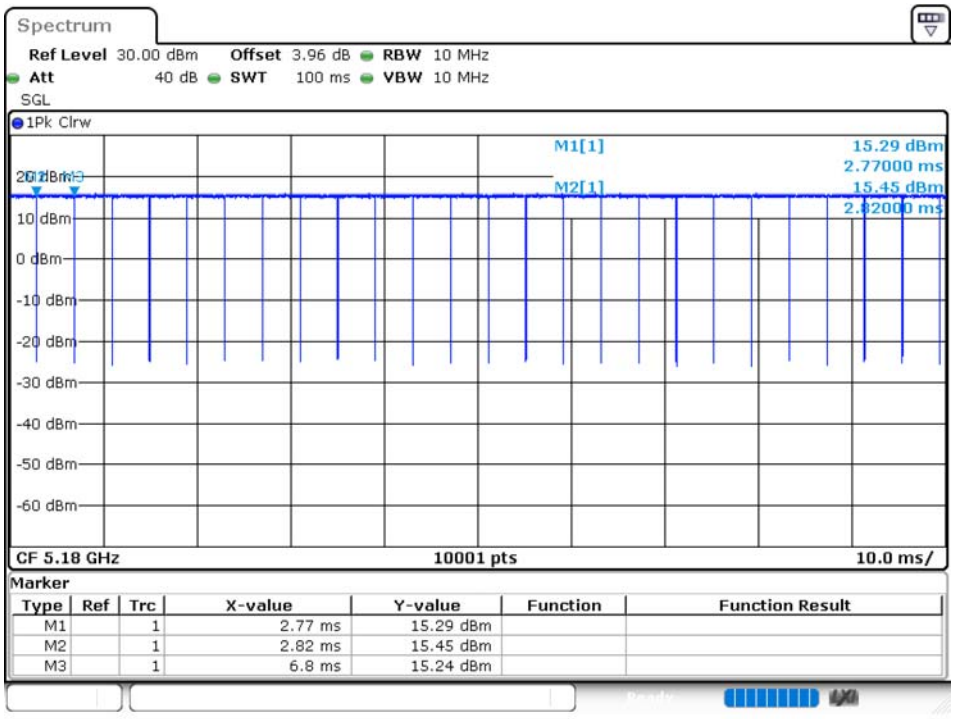
Duty Cycle NVNT a 5200MHz Ant2



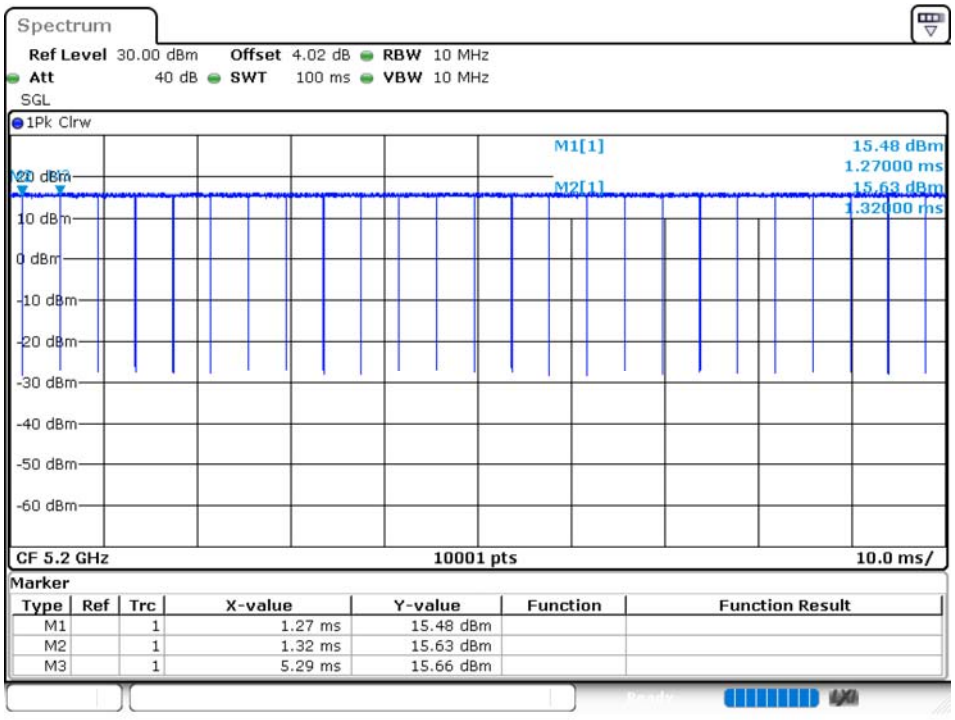
Duty Cycle NVNT a 5240MHz Ant2



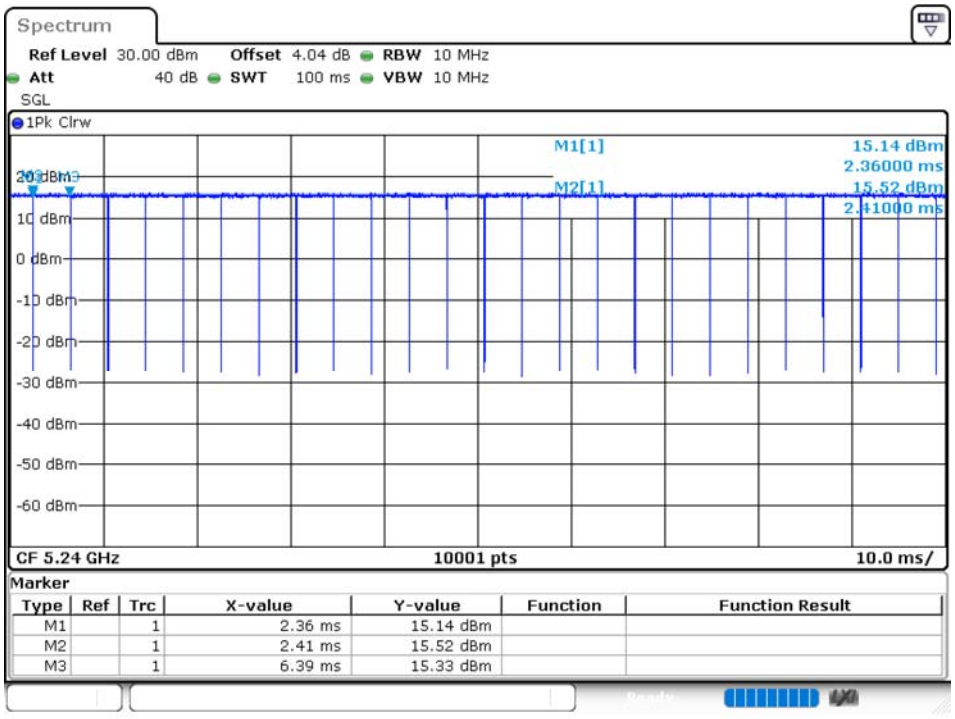
Duty Cycle NVNT n20 5180MHz Ant1



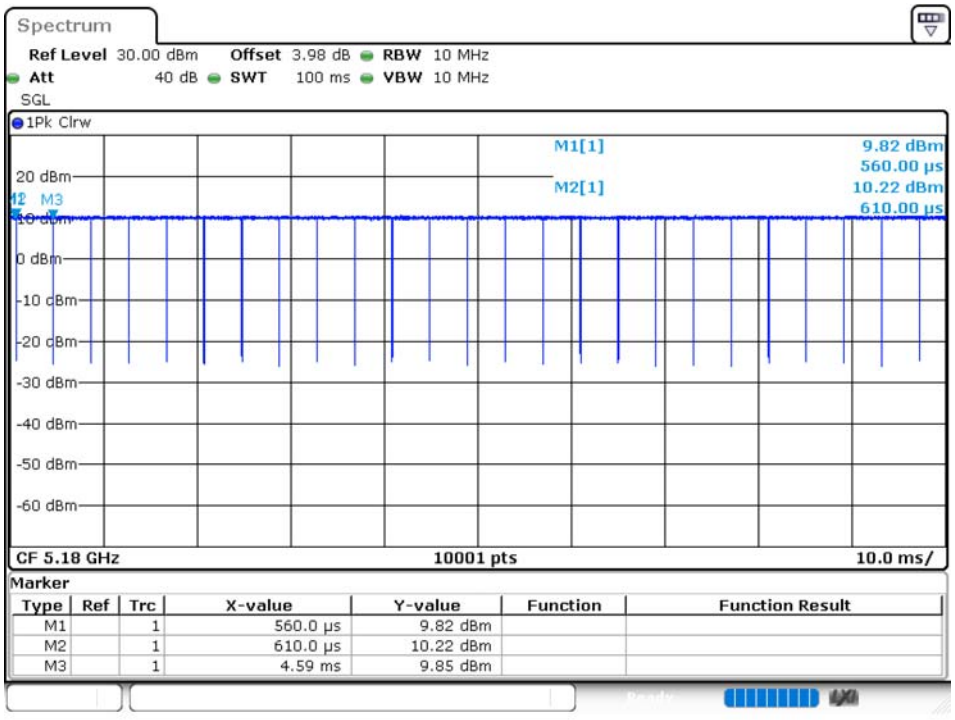
Duty Cycle NVNT n20 5200MHz Ant1



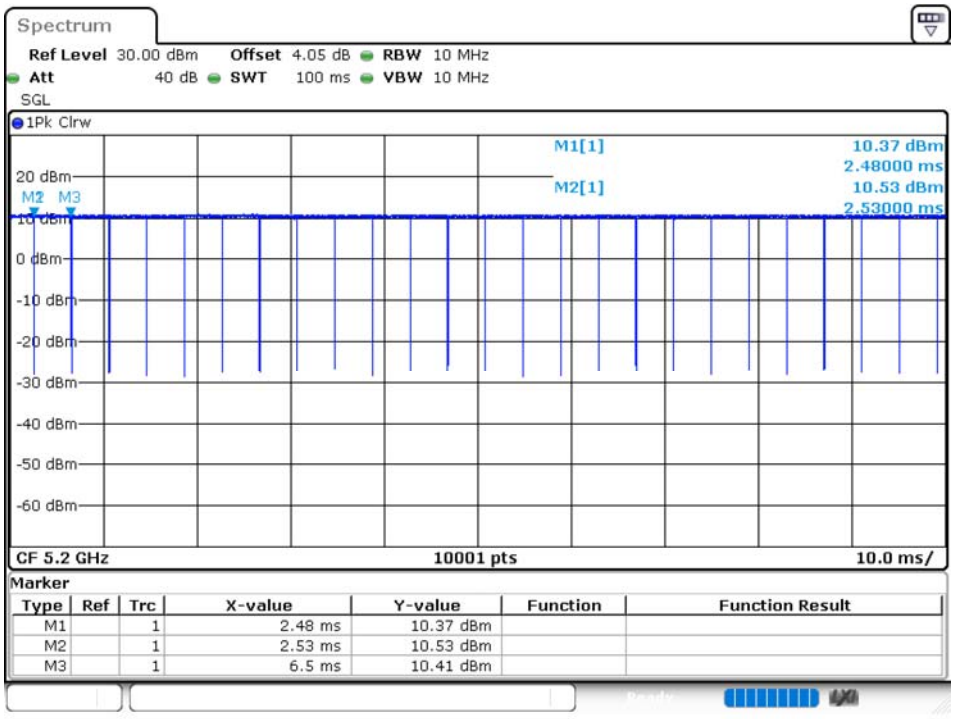
Duty Cycle NVNT n20 5240MHz Ant1



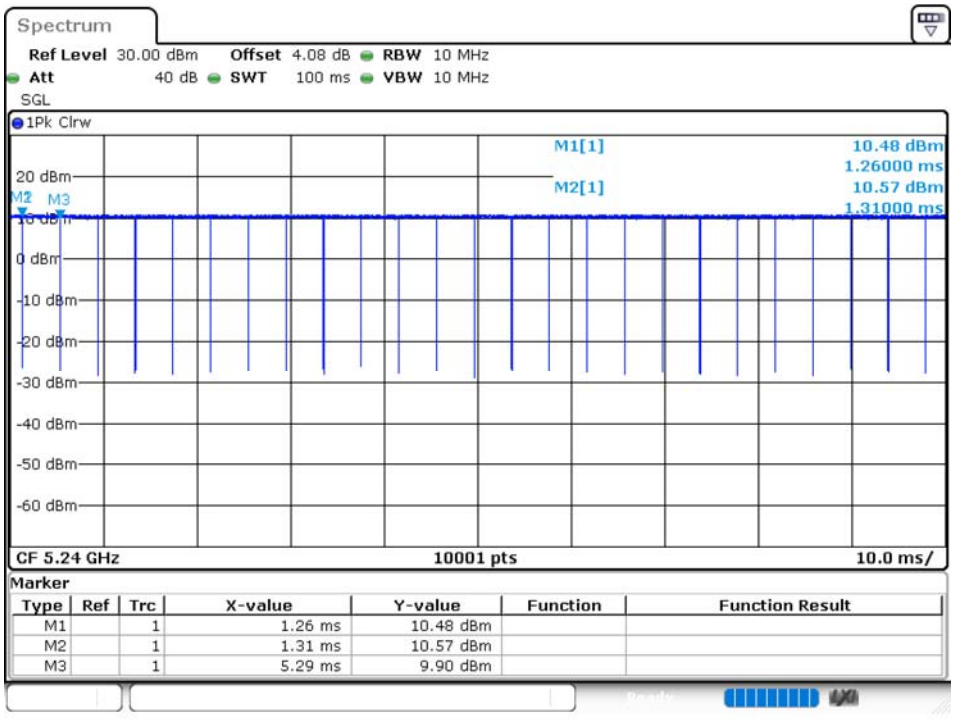
Duty Cycle NVNT n20 5180MHz Ant2



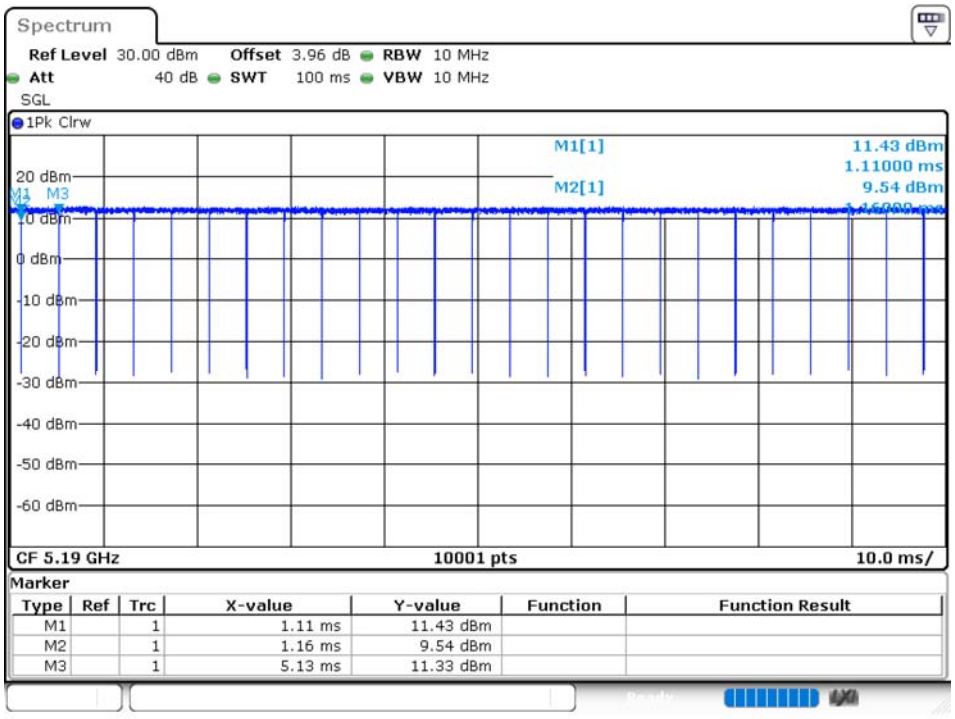
Duty Cycle NVNT n20 5200MHz Ant2



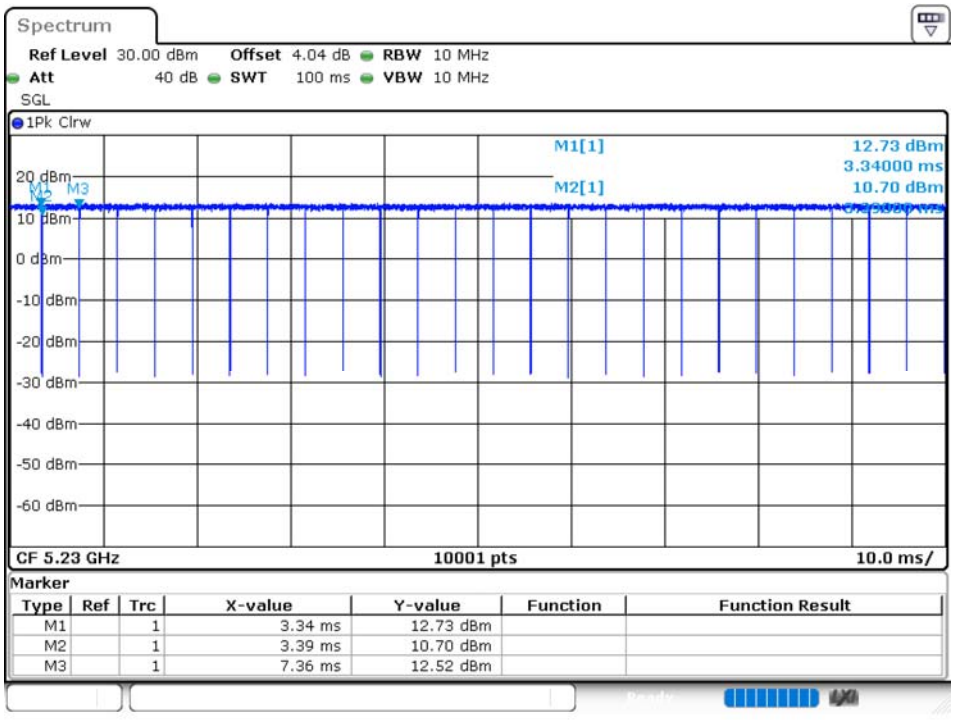
Duty Cycle NVNT n20 5240MHz Ant2



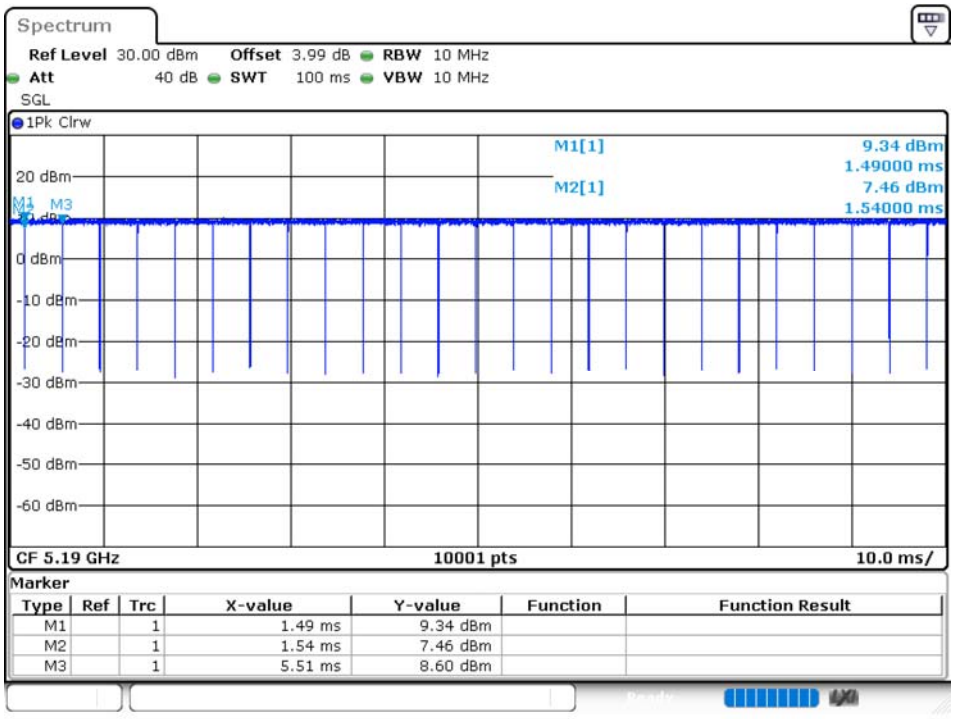
Duty Cycle NVNT n40 5190MHz Ant1



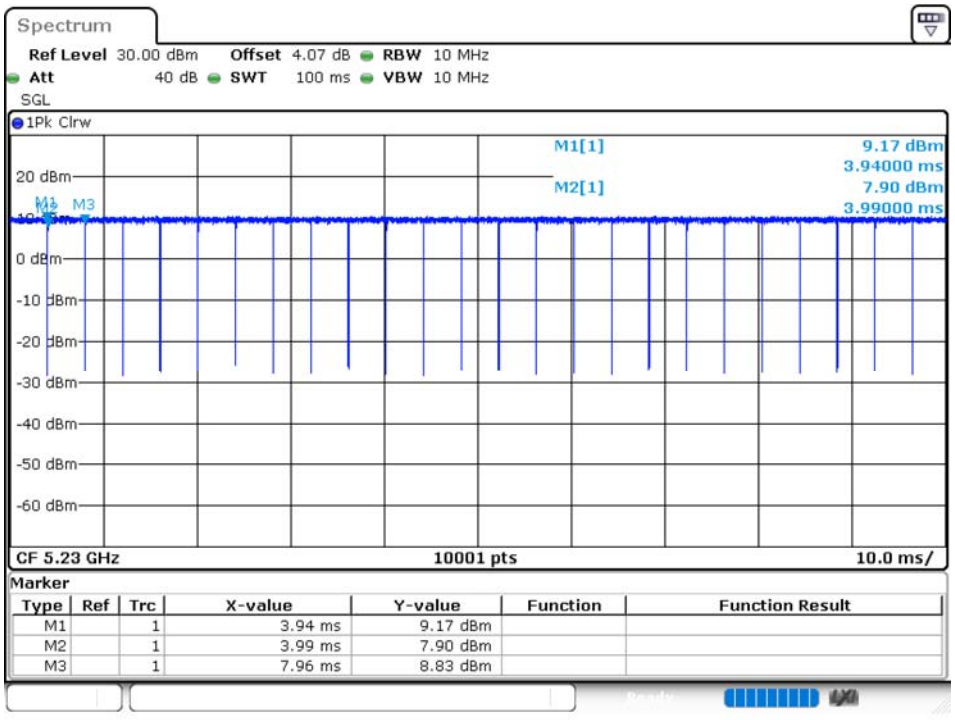
Duty Cycle NVNT n40 5230MHz Ant1



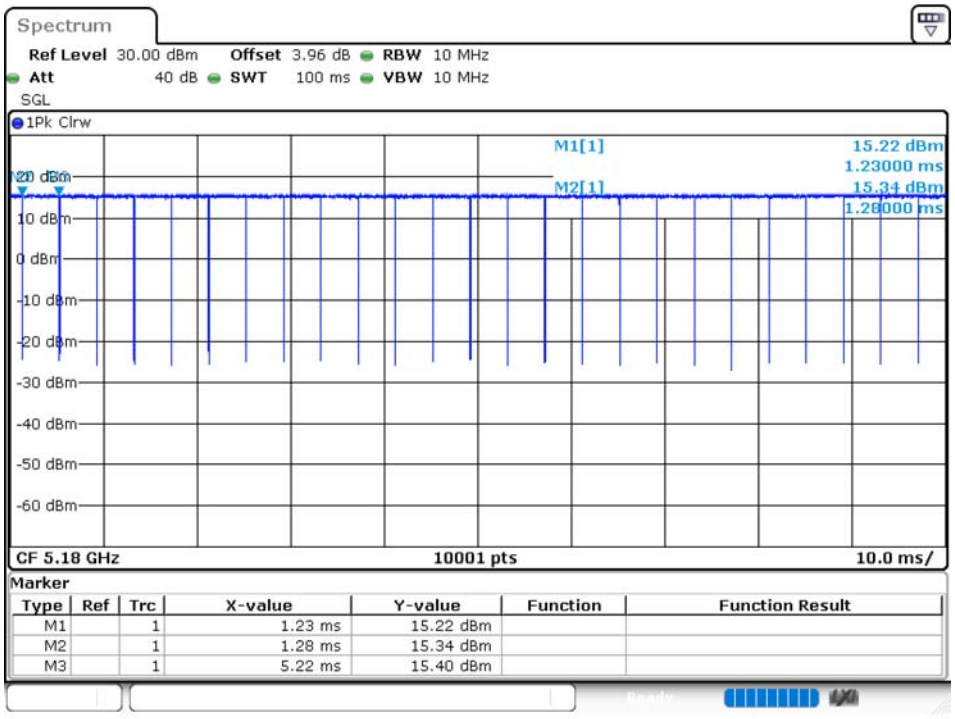
Duty Cycle NVNT n40 5190MHz Ant2



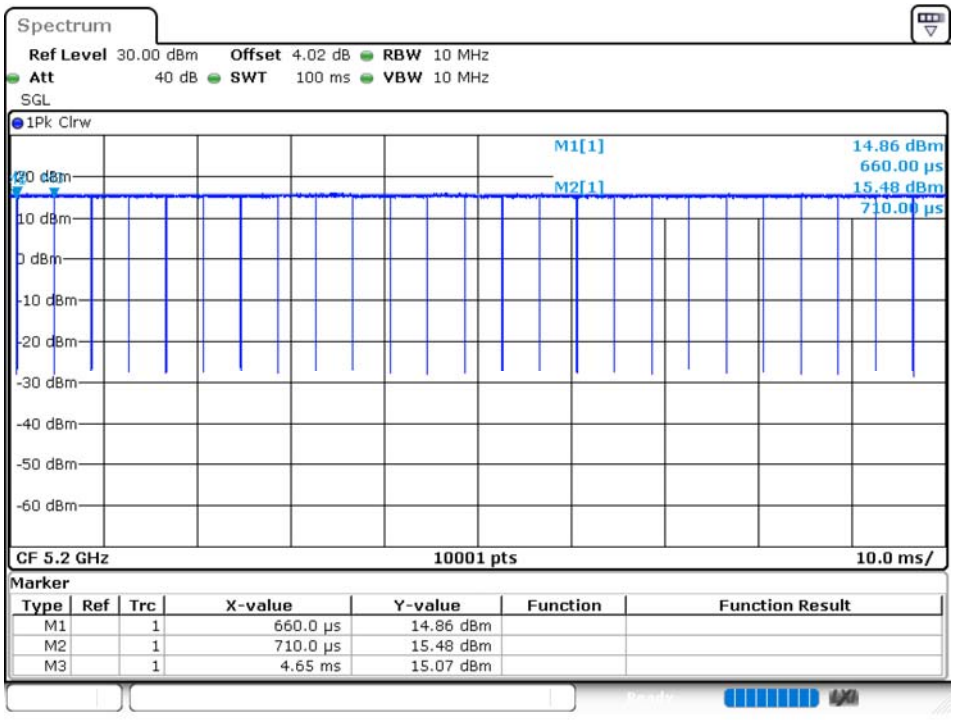
Duty Cycle NVNT n40 5230MHz Ant2



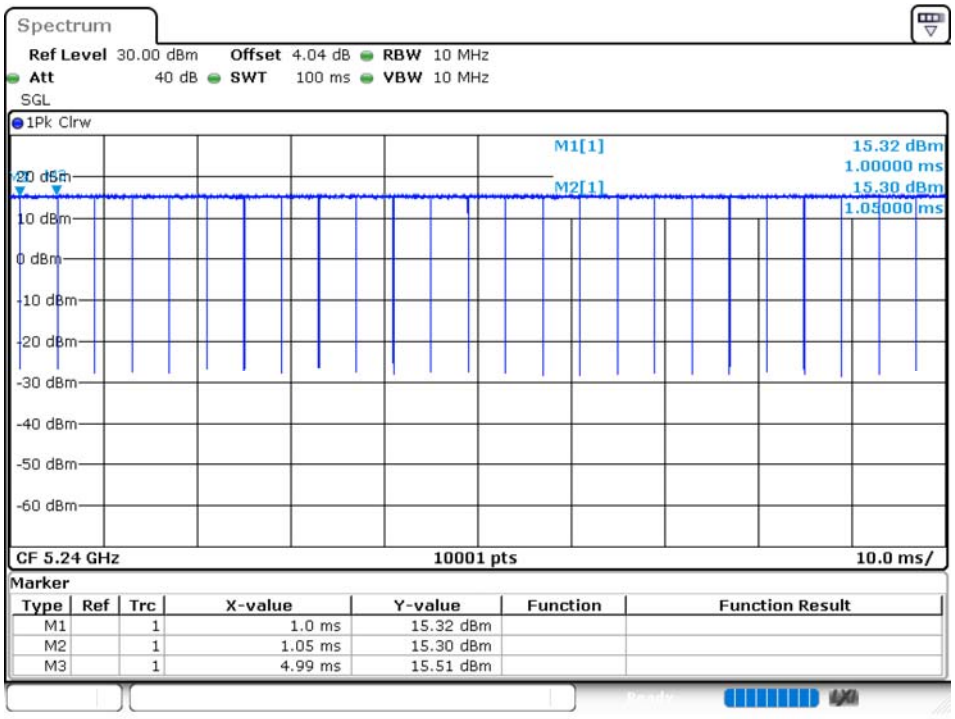
Duty Cycle NVNT ac20 5180MHz Ant1



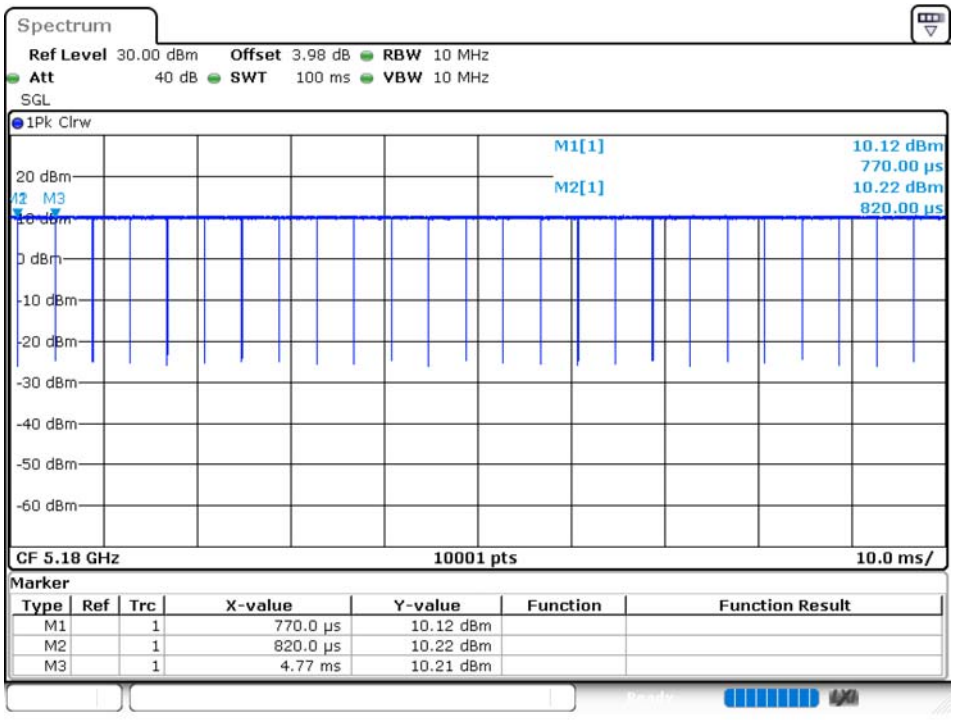
Duty Cycle NVNT ac20 5200MHz Ant1



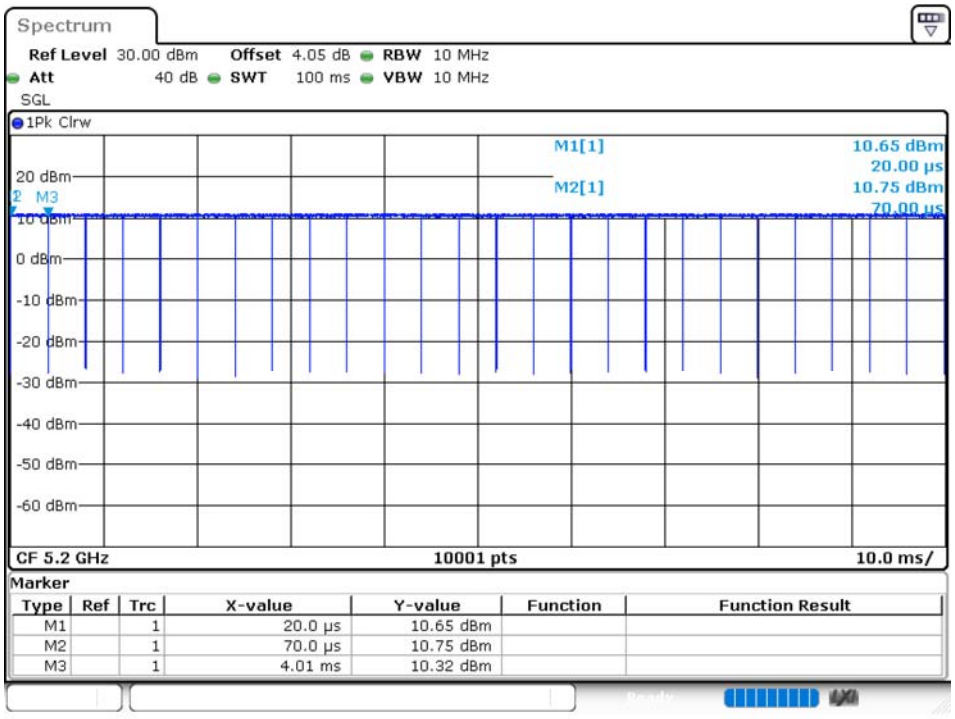
Duty Cycle NVNT ac20 5240MHz Ant1



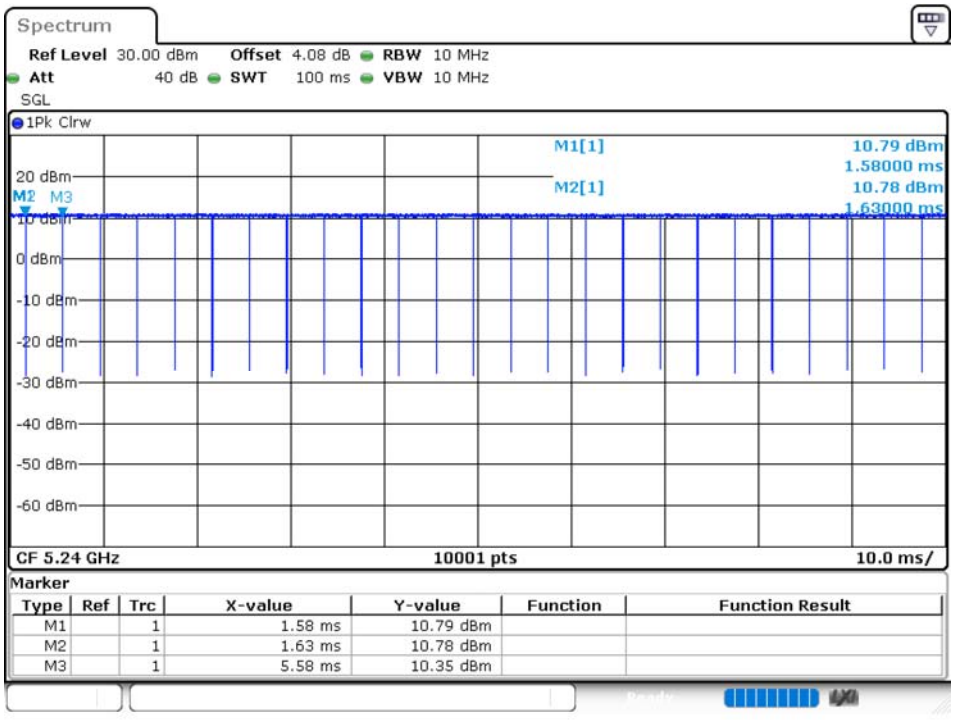
Duty Cycle NVNT ac20 5180MHz Ant2



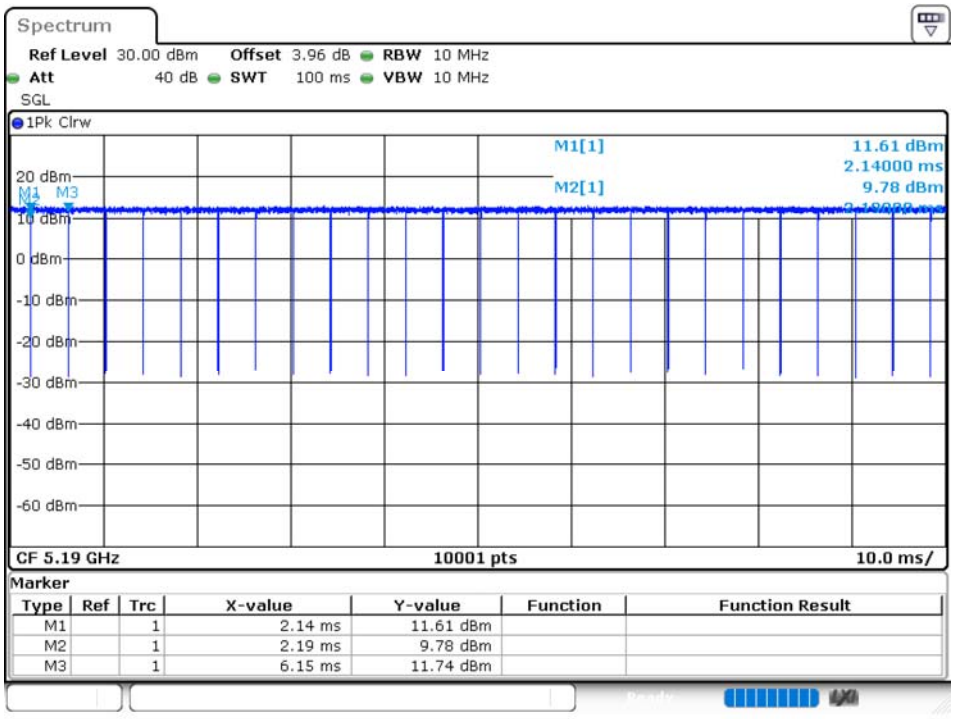
Duty Cycle NVNT ac20 5200MHz Ant2



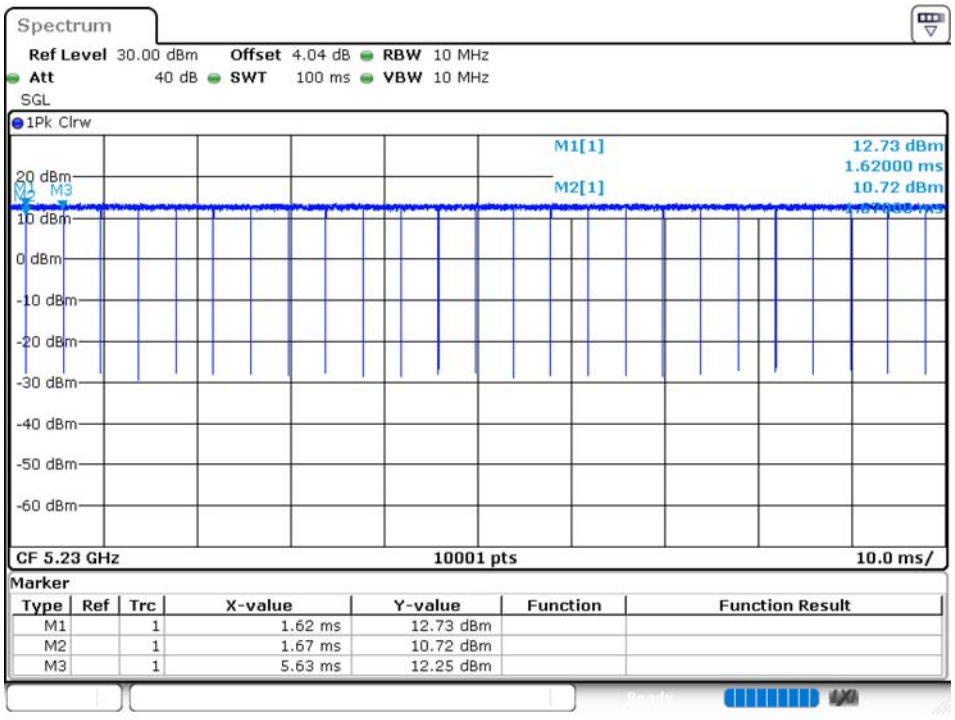
Duty Cycle NVNT ac20 5240MHz Ant2



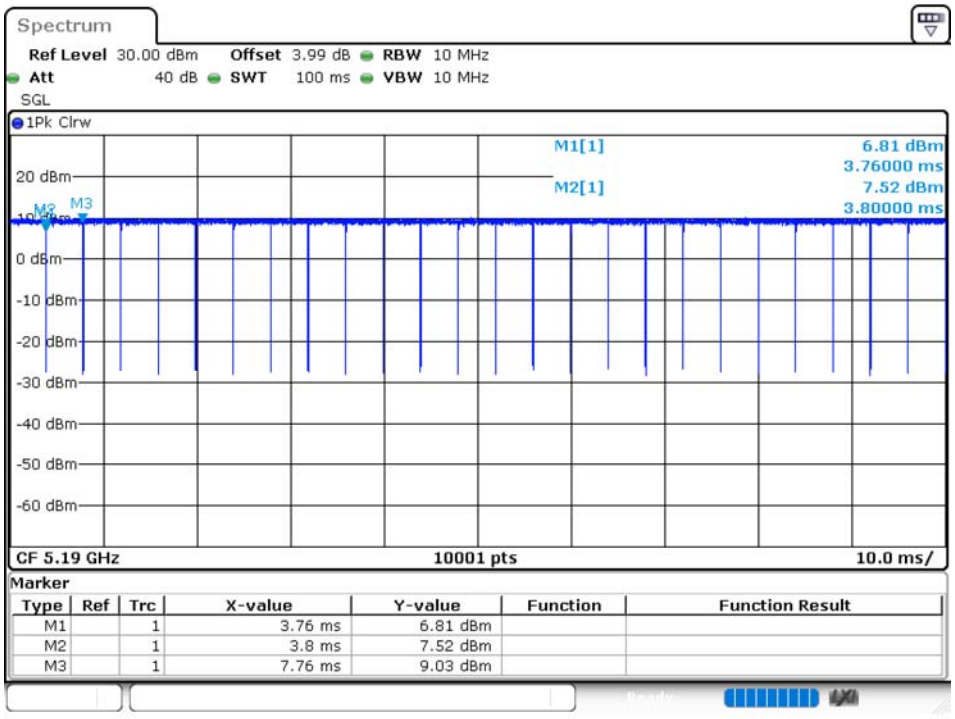
Duty Cycle NVNT ac40 5190MHz Ant1



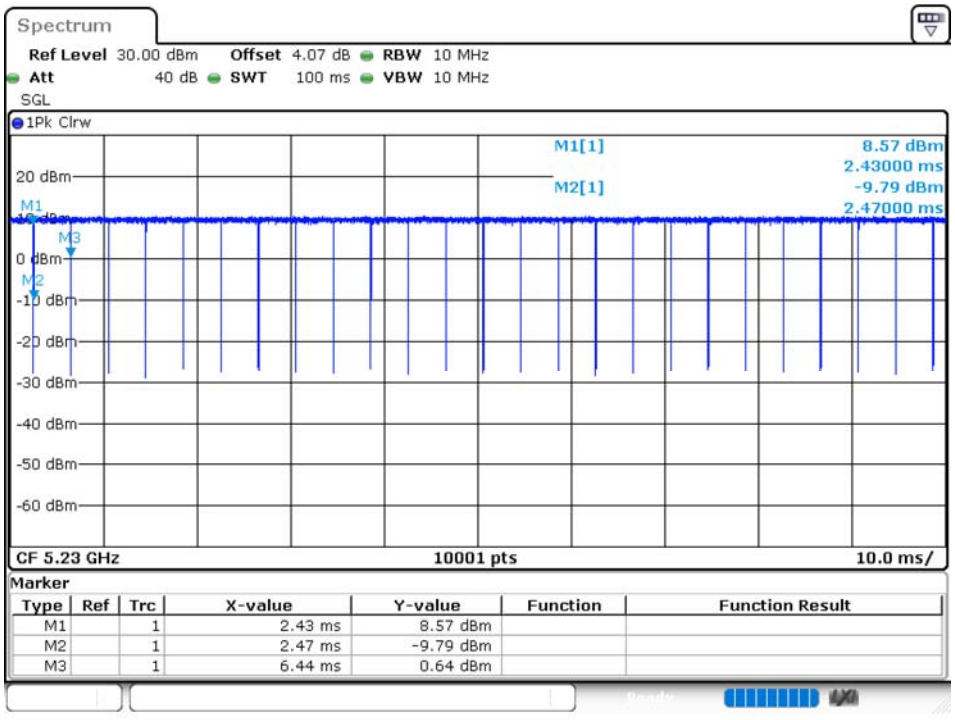
Duty Cycle NVNT ac40 5230MHz Ant1



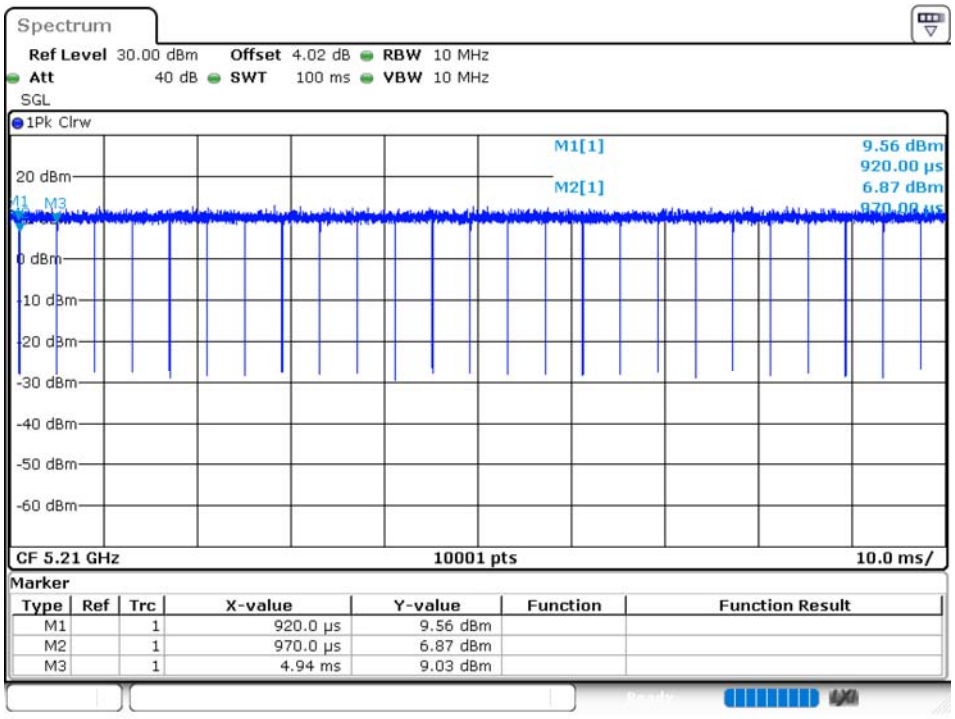
Duty Cycle NVNT ac40 5190MHz Ant2



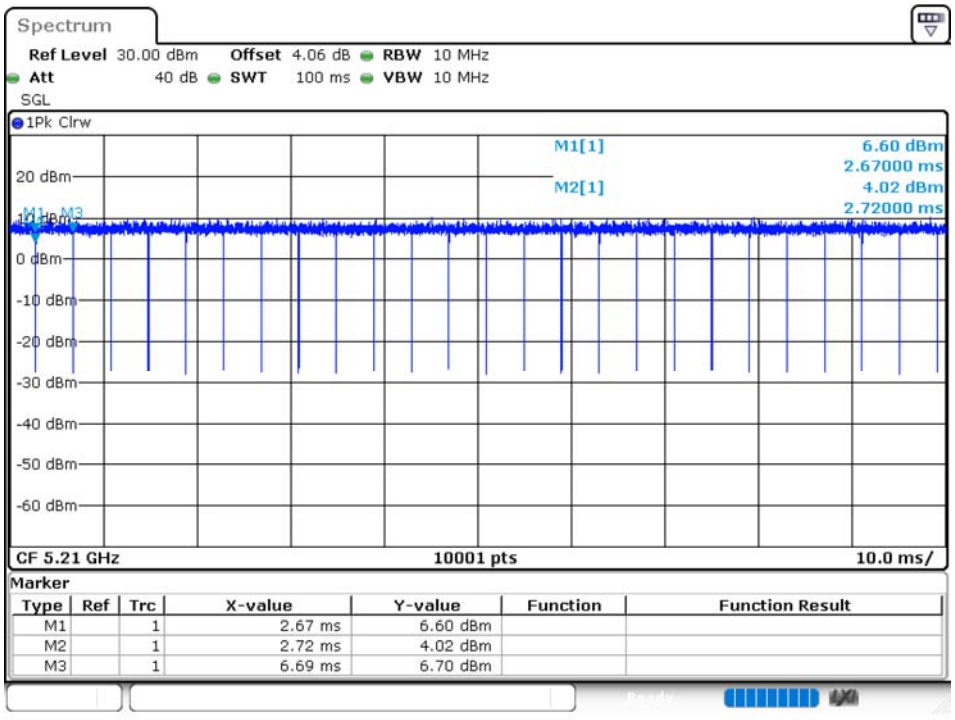
Duty Cycle NVNT ac40 5230MHz Ant2



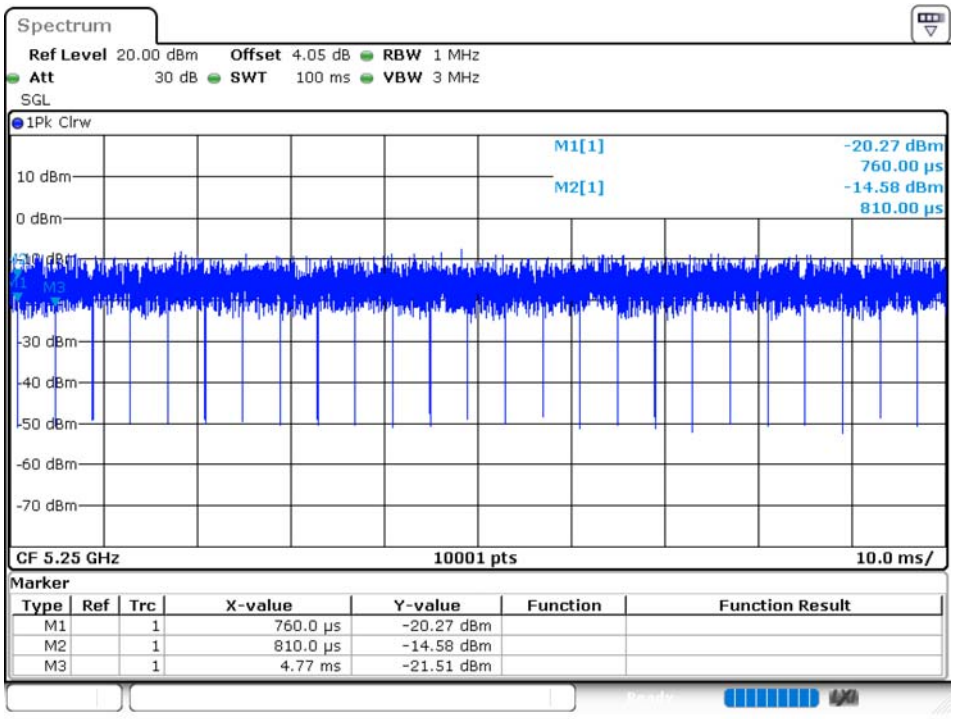
Duty Cycle NVNT ac80 5210MHz Ant1



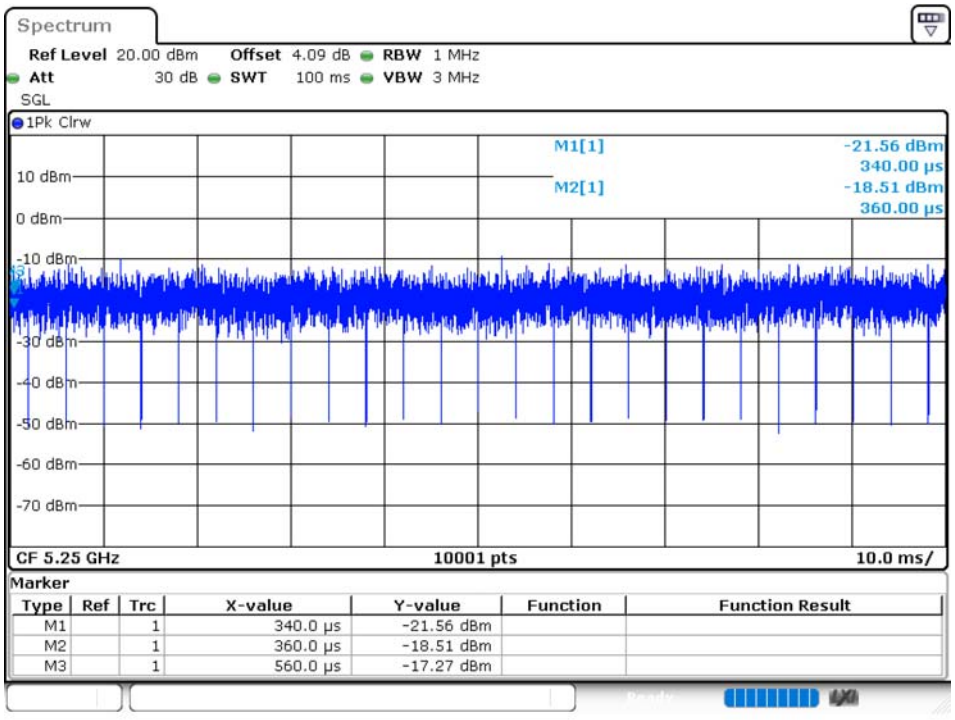
Duty Cycle NVNT ac80 5210MHz Ant2



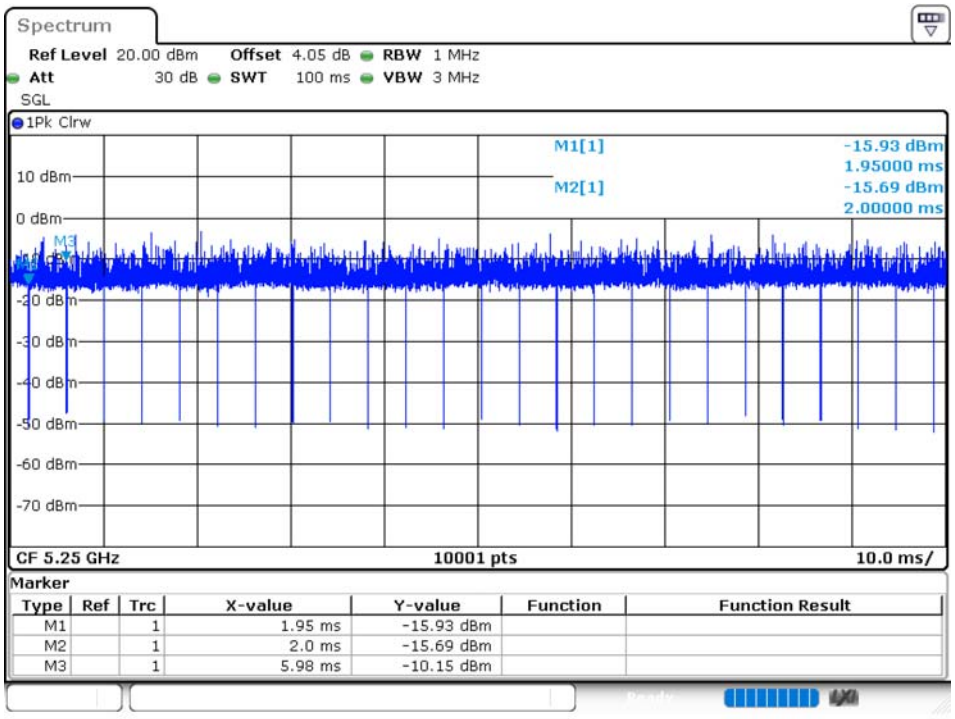
Duty Cycle NVNT ac160 5250MHz Ant1



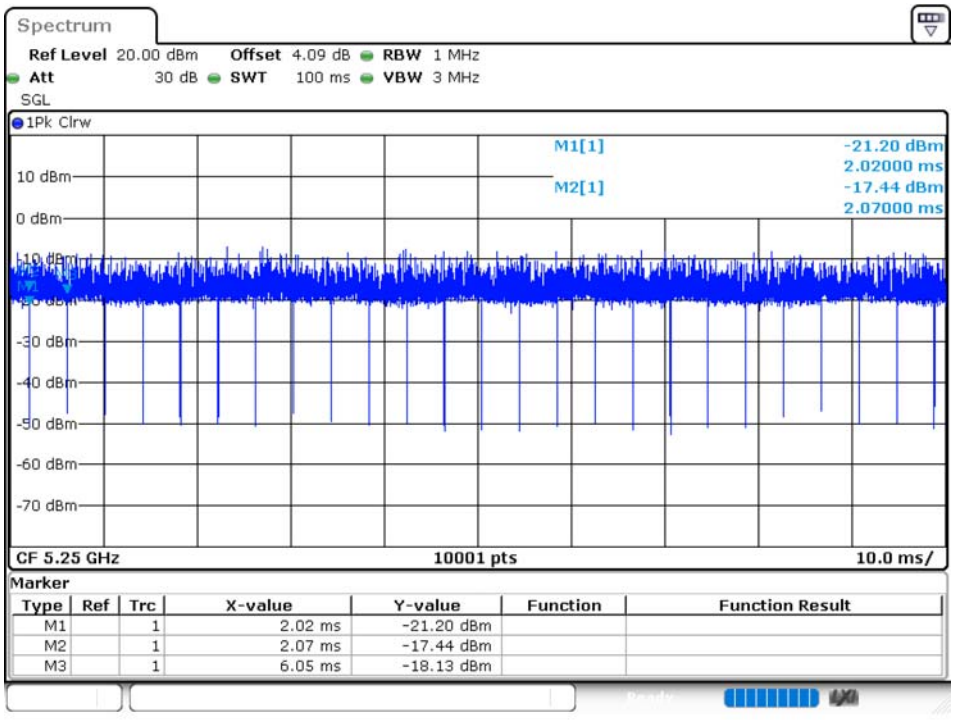
Duty Cycle NVNT ac160 5250MHz Ant2



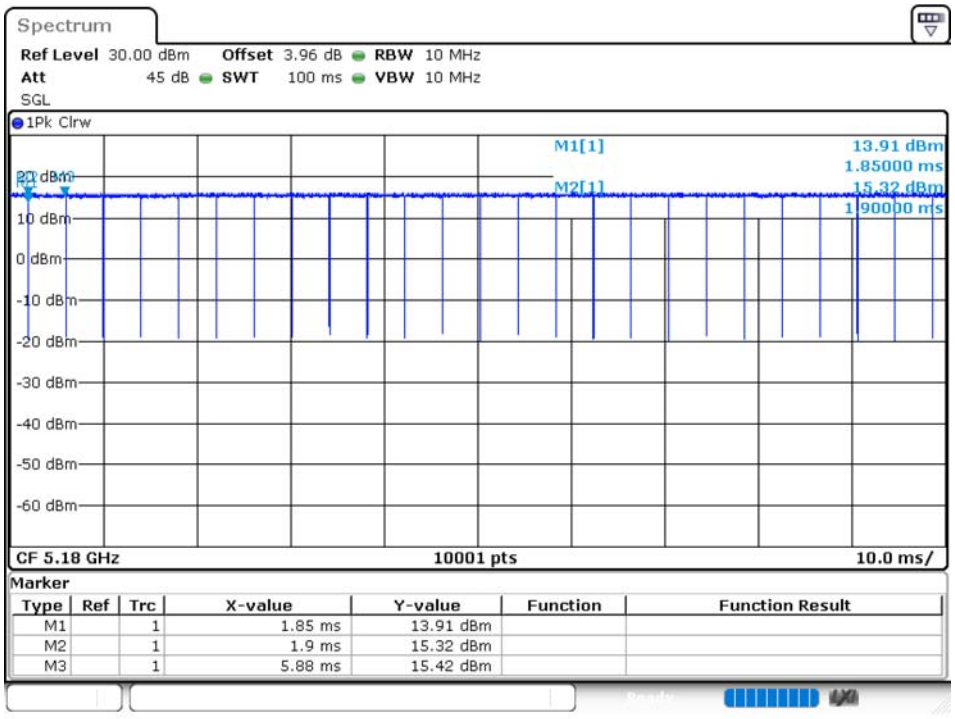
Duty Cycle NVNT ax160 5250MHz Ant1



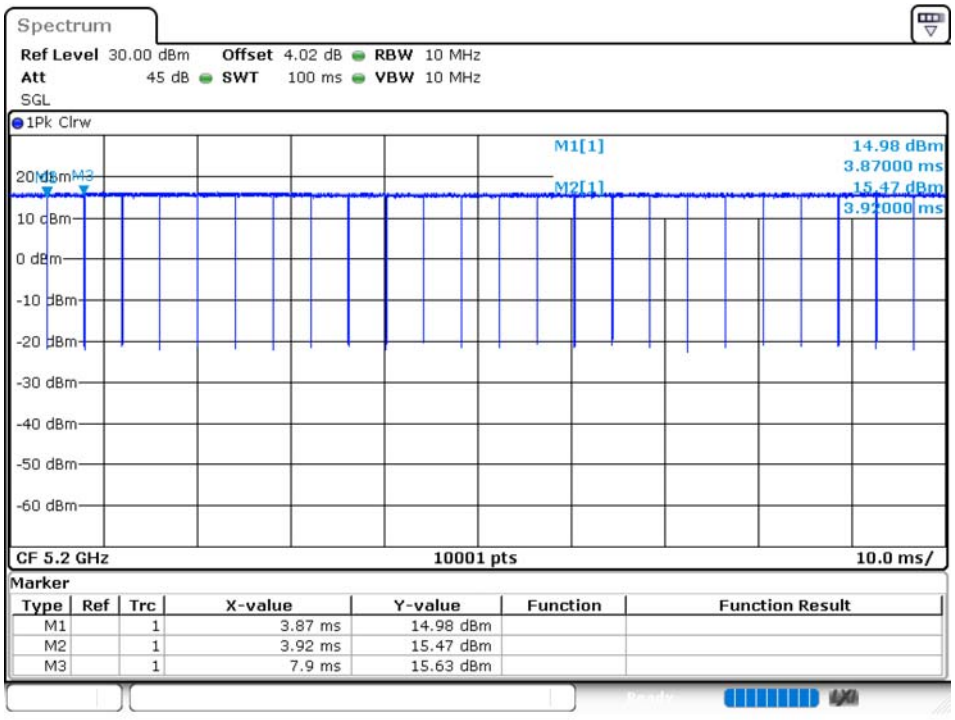
Duty Cycle NVNT ax160 5250MHz Ant2



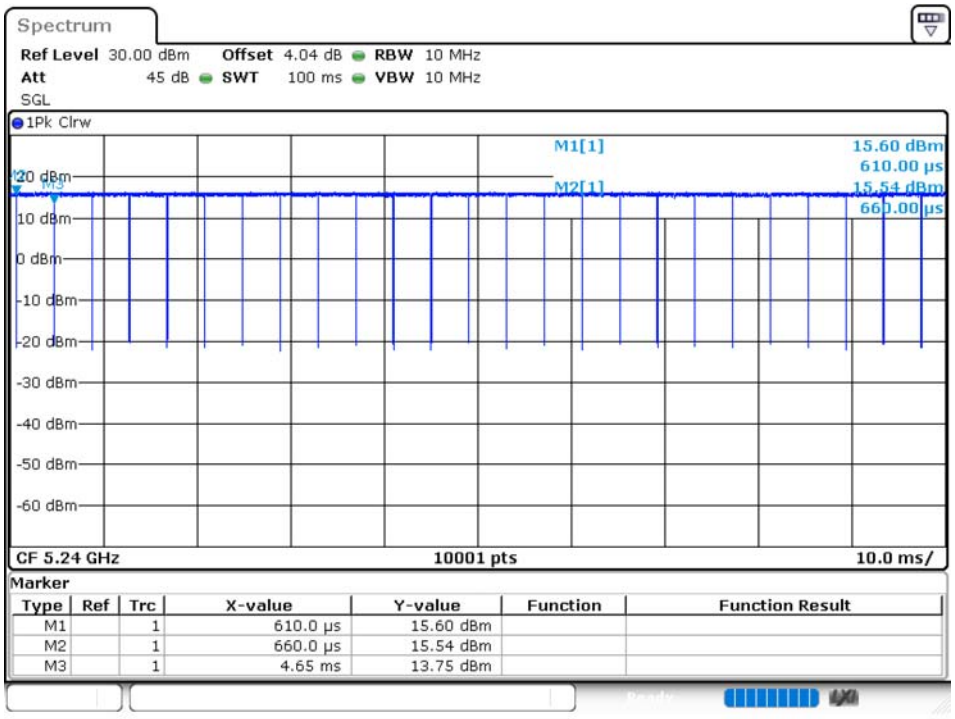
Duty Cycle NVNT ax20 5180MHz Ant1



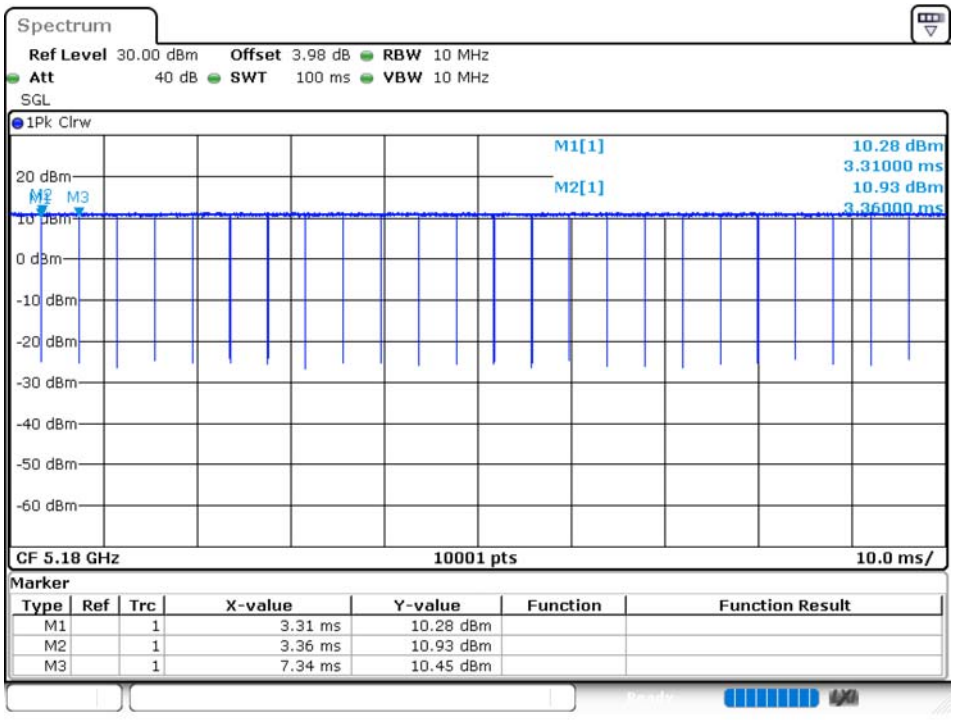
Duty Cycle NVNT ax20 5200MHz Ant1



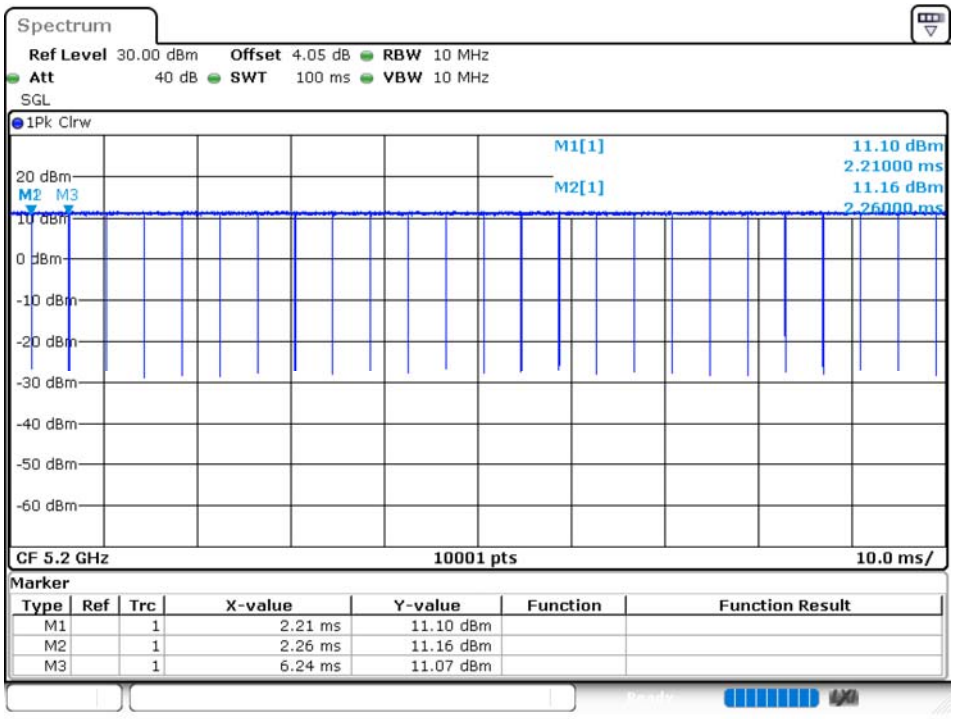
Duty Cycle NVNT ax20 5240MHz Ant1



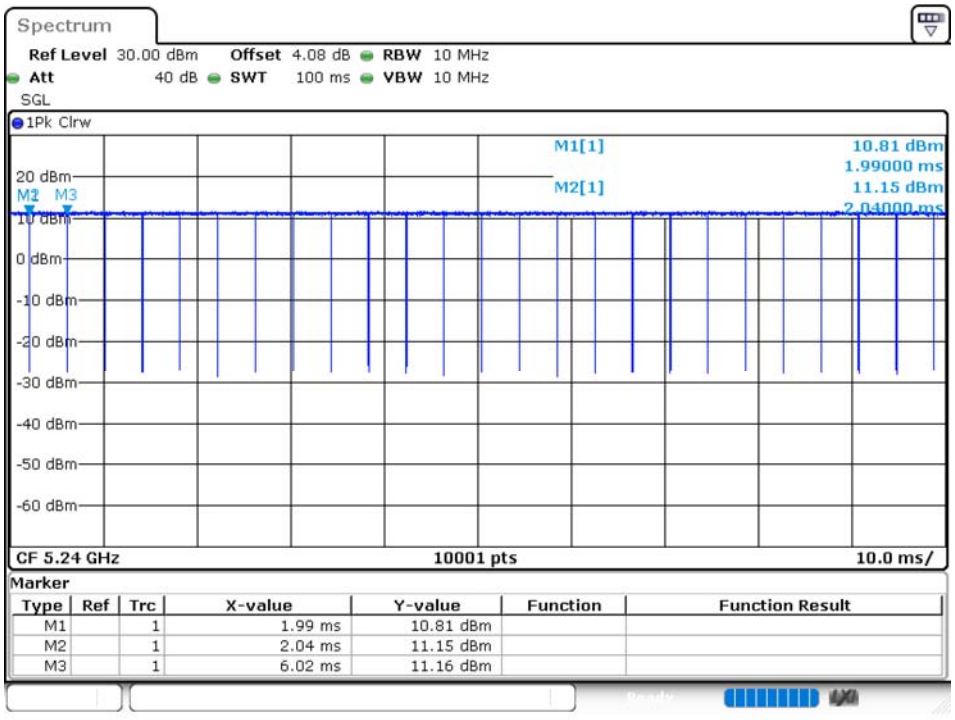
Duty Cycle NVNT ax20 5180MHz Ant2



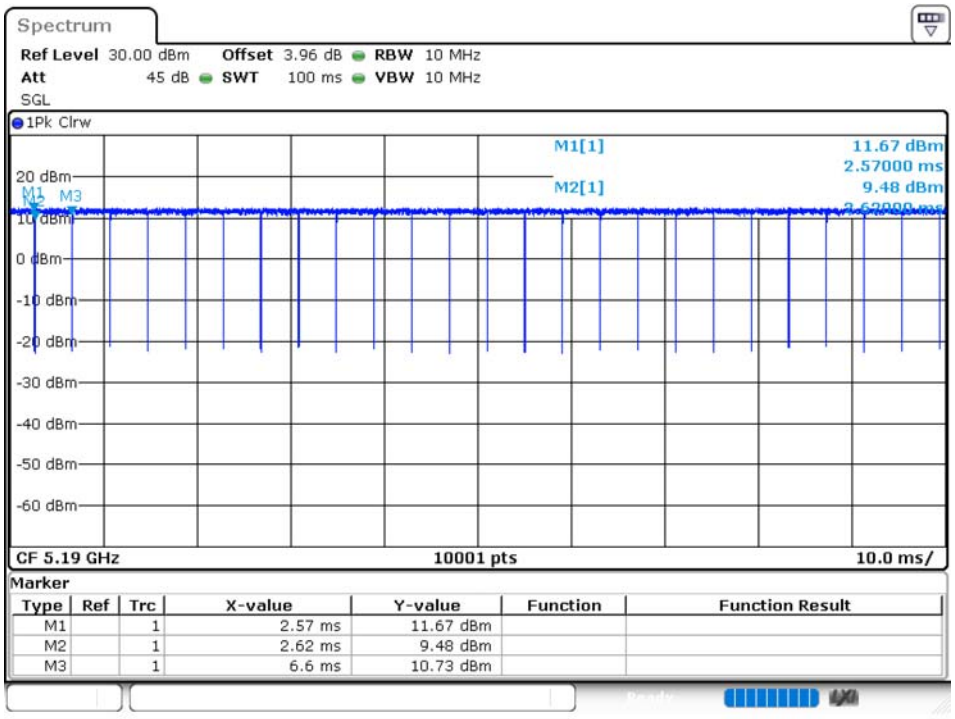
Duty Cycle NVNT ax20 5200MHz Ant2



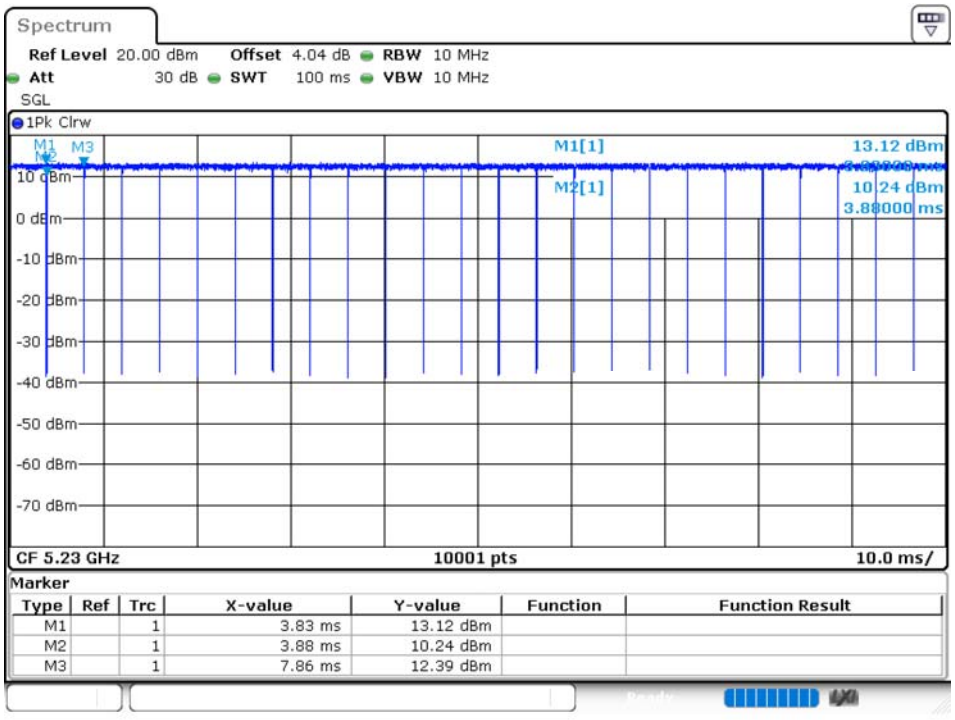
Duty Cycle NVNT ax20 5240MHz Ant2



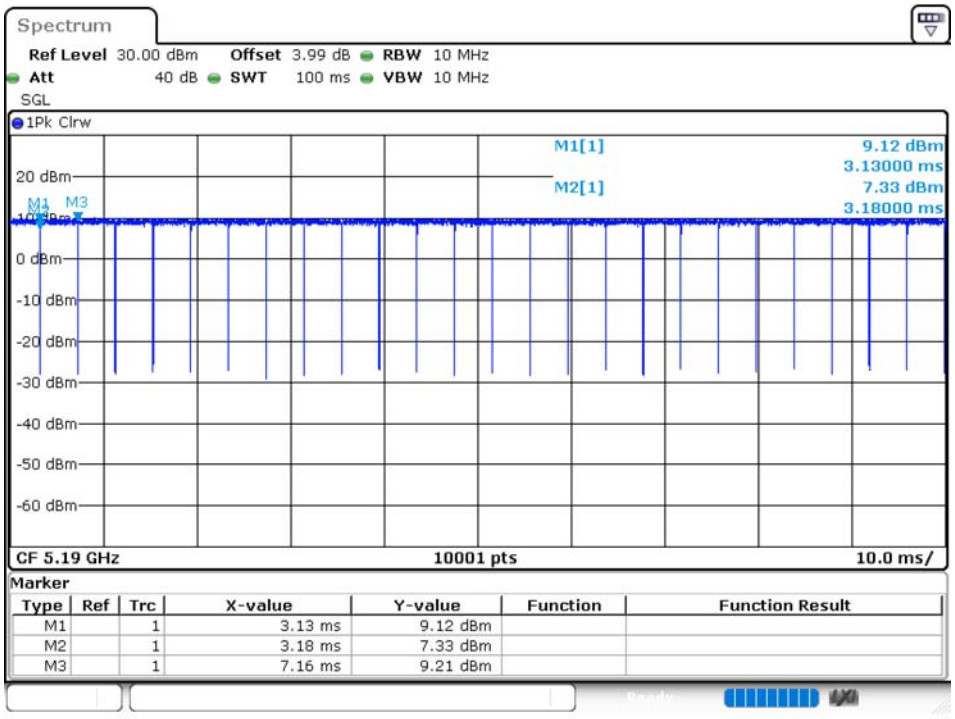
Duty Cycle NVNT ax40 5190MHz Ant1



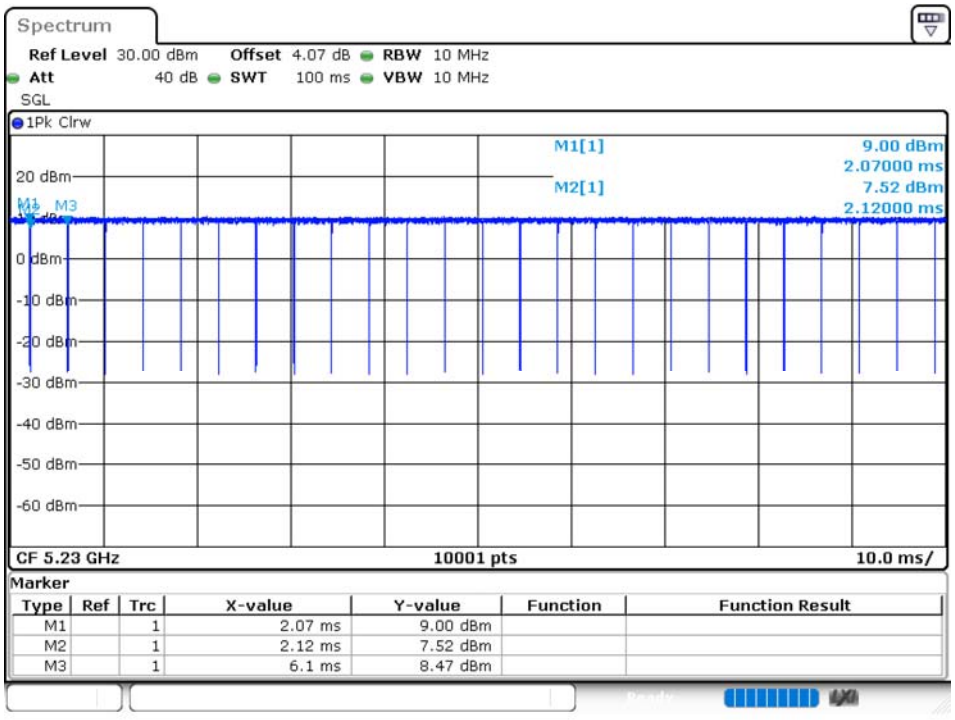
Duty Cycle NVNT ax40 5230MHz Ant1



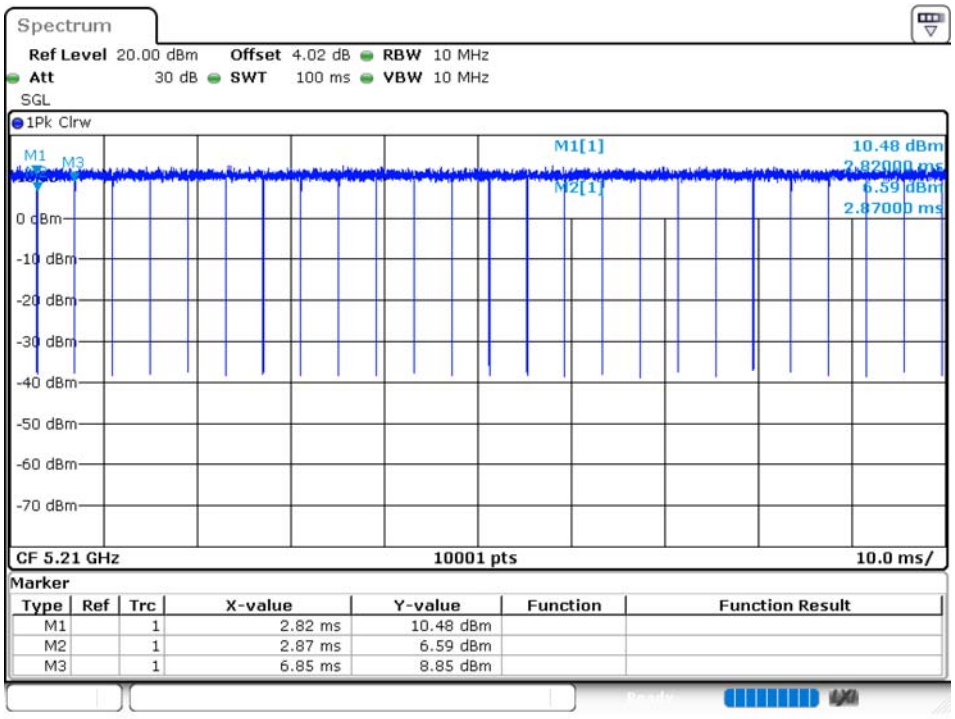
Duty Cycle NVNT ax40 5190MHz Ant2



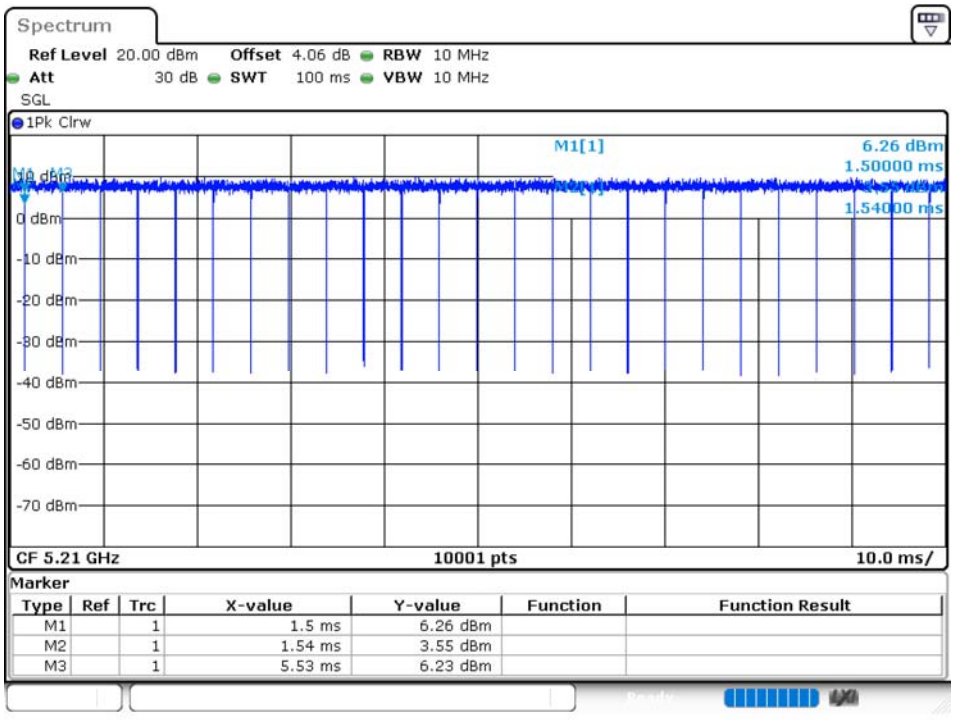
Duty Cycle NVNT ax40 5230MHz Ant2



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	14	24	Pass
NVNT	a	5200	Ant1	13.84	24	Pass
NVNT	a	5240	Ant1	13.79	24	Pass
NVNT	a	5180	Ant2	9.41	24	Pass
NVNT	a	5200	Ant2	9.35	24	Pass
NVNT	a	5240	Ant2	9.35	24	Pass
NVNT	n20	5180	Ant1	13.88	24	Pass
NVNT	n20	5200	Ant1	13.78	24	Pass
NVNT	n20	5240	Ant1	13.82	24	Pass
NVNT	n20	5180	Ant2	9.29	24	Pass
NVNT	n20	5200	Ant2	9.37	24	Pass
NVNT	n20	5240	Ant2	9.15	24	Pass
NVNT	n40	5190	Ant2	9.94	24	Pass
NVNT	n40	5230	Ant2	9.88	24	Pass
NVNT	n40	5190	Ant1	12.88	24	Pass
NVNT	n40	5230	Ant1	13.1	24	Pass
NVNT	ac20	5180	Ant1	13.91	24	Pass
NVNT	ac20	5200	Ant1	13.86	24	Pass
NVNT	ac20	5240	Ant1	13.73	24	Pass
NVNT	ac20	5180	Ant2	9.27	24	Pass
NVNT	ac20	5200	Ant2	9.34	24	Pass
NVNT	ac20	5240	Ant2	9.3	24	Pass
NVNT	ac40	5190	Ant1	12.85	24	Pass
NVNT	ac40	5230	Ant1	12.89	24	Pass
NVNT	ac40	5190	Ant2	9.93	24	Pass
NVNT	ac40	5230	Ant2	9.88	24	Pass
NVNT	ac80	5210	Ant1	12.78	24	Pass
NVNT	ac80	5210	Ant2	9.94	24	Pass
NVNT	ac160	5250	Ant1	13.05	24	Pass
NVNT	ac160	5250	Ant2	9.79	24	Pass
NVNT	ax160	5250	Ant1	12.99	24	Pass
NVNT	ax160	5250	Ant2	9.7	24	Pass
NVNT	ax20	5180	Ant1	14.02	24	Pass
NVNT	ax20	5200	Ant1	13.95	24	Pass
NVNT	ax20	5240	Ant1	13.92	24	Pass
NVNT	ax20	5180	Ant2	9.4	24	Pass
NVNT	ax20	5200	Ant2	9.47	24	Pass
NVNT	ax20	5240	Ant2	9.42	24	Pass
NVNT	ax40	5190	Ant1	12.36	24	Pass
NVNT	ax40	5230	Ant1	13.08	24	Pass

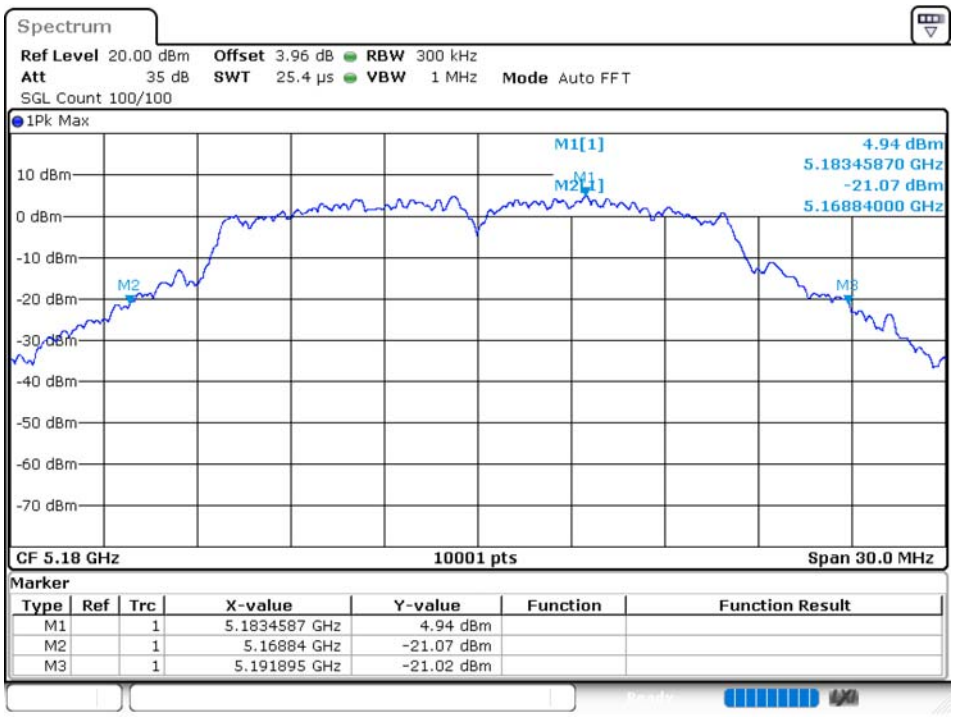
NVNT	ax40	5190	Ant2	9.56	24	Pass
NVNT	ax40	5230	Ant2	9.54	24	Pass
NVNT	ax80	5210	Ant1	12.77	24	Pass
NVNT	ax80	5210	Ant2	9.68	24	Pass

-26dB Bandwidth

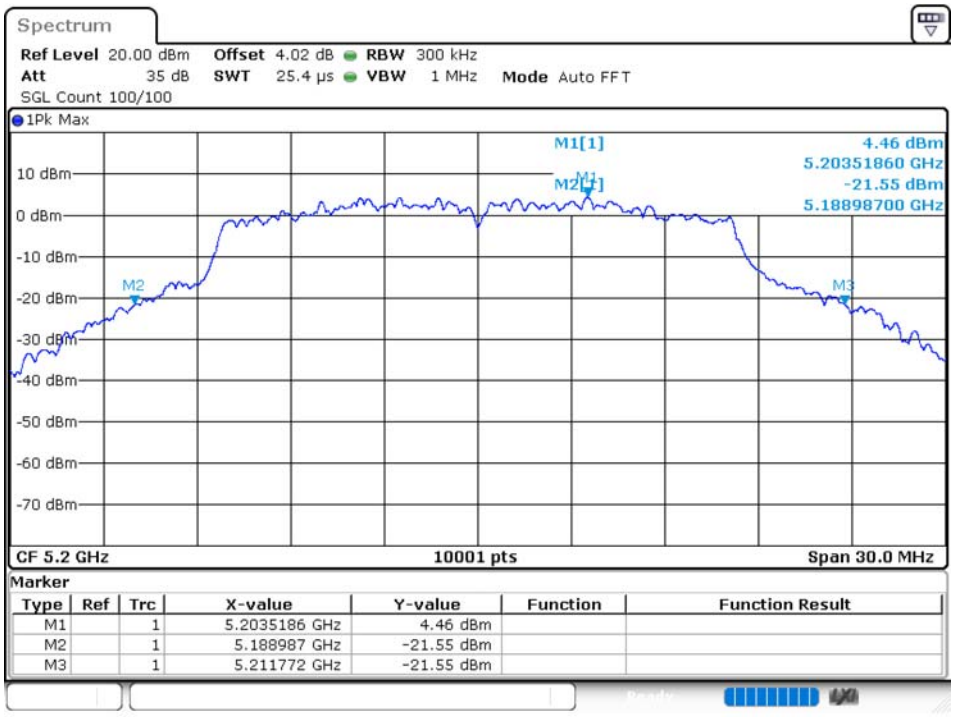
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.055	Pass
NVNT	a	5200	Ant1	22.785	Pass
NVNT	a	5240	Ant1	23.889	Pass
NVNT	a	5180	Ant2	23.166	Pass
NVNT	a	5200	Ant2	22.821	Pass
NVNT	a	5240	Ant2	22.545	Pass
NVNT	n20	5180	Ant1	23.871	Pass
NVNT	n20	5200	Ant1	23.292	Pass
NVNT	n20	5240	Ant1	25.158	Pass
NVNT	n20	5180	Ant2	23.184	Pass
NVNT	n20	5200	Ant2	24.603	Pass
NVNT	n20	5240	Ant2	23.658	Pass
NVNT	n40	5190	Ant1	42.852	Pass
NVNT	n40	5230	Ant1	43.302	Pass
NVNT	n40	5190	Ant2	43.782	Pass
NVNT	n40	5230	Ant2	43.164	Pass
NVNT	ac20	5180	Ant1	24.654	Pass
NVNT	ac20	5200	Ant1	22.848	Pass
NVNT	ac20	5240	Ant1	24.138	Pass
NVNT	ac20	5180	Ant2	22.557	Pass
NVNT	ac20	5200	Ant2	23.565	Pass
NVNT	ac20	5240	Ant2	23.529	Pass
NVNT	ac40	5190	Ant1	43.644	Pass
NVNT	ac40	5230	Ant1	42.954	Pass
NVNT	ac40	5190	Ant2	43.956	Pass
NVNT	ac40	5230	Ant2	42.846	Pass
NVNT	ac80	5210	Ant1	85.86	Pass
NVNT	ac80	5210	Ant2	85.044	Pass
NVNT	ac160	5250	Ant1	158.808	Pass
NVNT	ac160	5250	Ant2	159.48	Pass
NVNT	ax160	5250	Ant1	159.72	Pass
NVNT	ax160	5250	Ant2	159.888	Pass
NVNT	ax20	5180	Ant1	22.518	Pass
NVNT	ax20	5200	Ant1	22.182	Pass
NVNT	ax20	5240	Ant1	22.926	Pass
NVNT	ax20	5180	Ant2	23.985	Pass
NVNT	ax20	5200	Ant2	23.58	Pass
NVNT	ax20	5240	Ant2	23.106	Pass
NVNT	ax40	5190	Ant1	42.576	Pass
NVNT	ax40	5230	Ant1	42.6	Pass
NVNT	ax40	5190	Ant2	42.222	Pass

NVNT	ax40	5230	Ant2	42.15	Pass
NVNT	ax80	5210	Ant1	83.952	Pass
NVNT	ax80	5210	Ant2	83.088	Pass

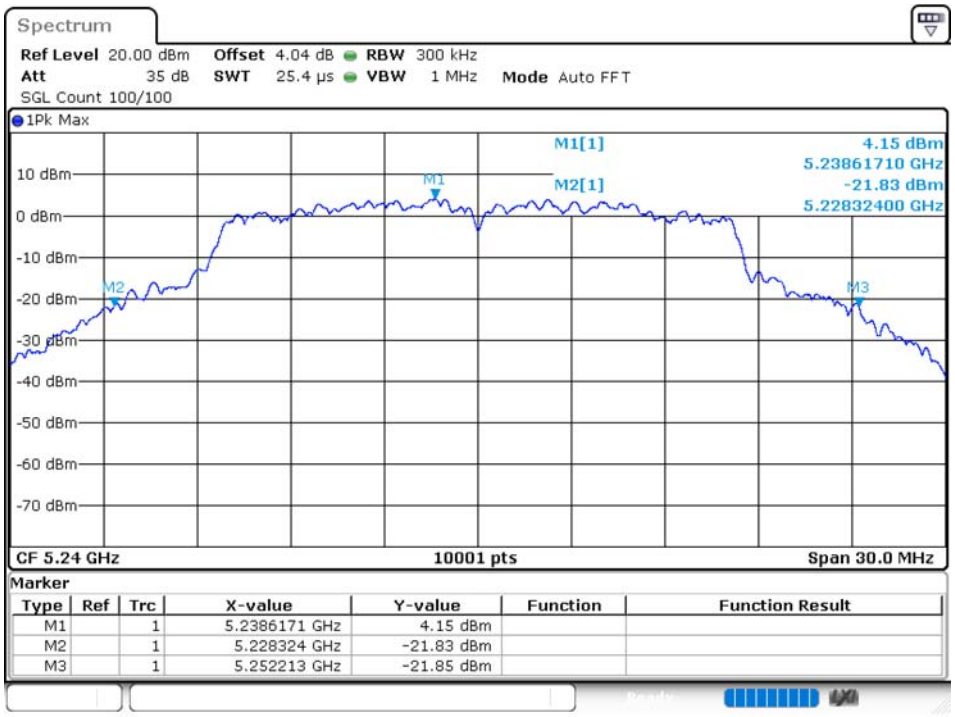
Test Graphs
-26dB Bandwidth NVNT a 5180MHz Ant1



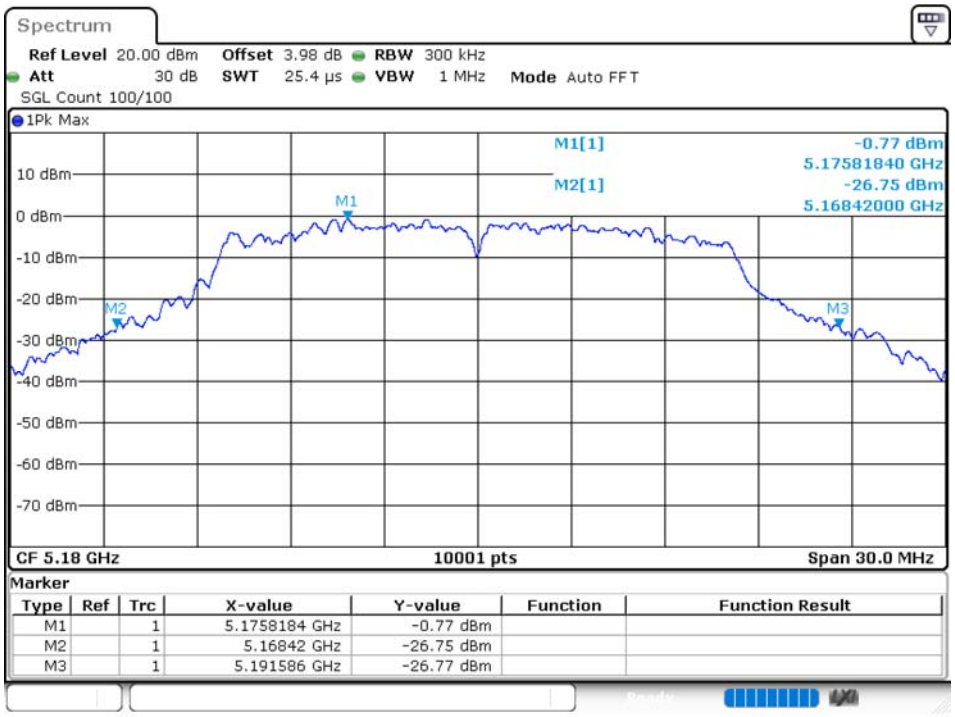
-26dB Bandwidth NVNT a 5200MHz Ant1



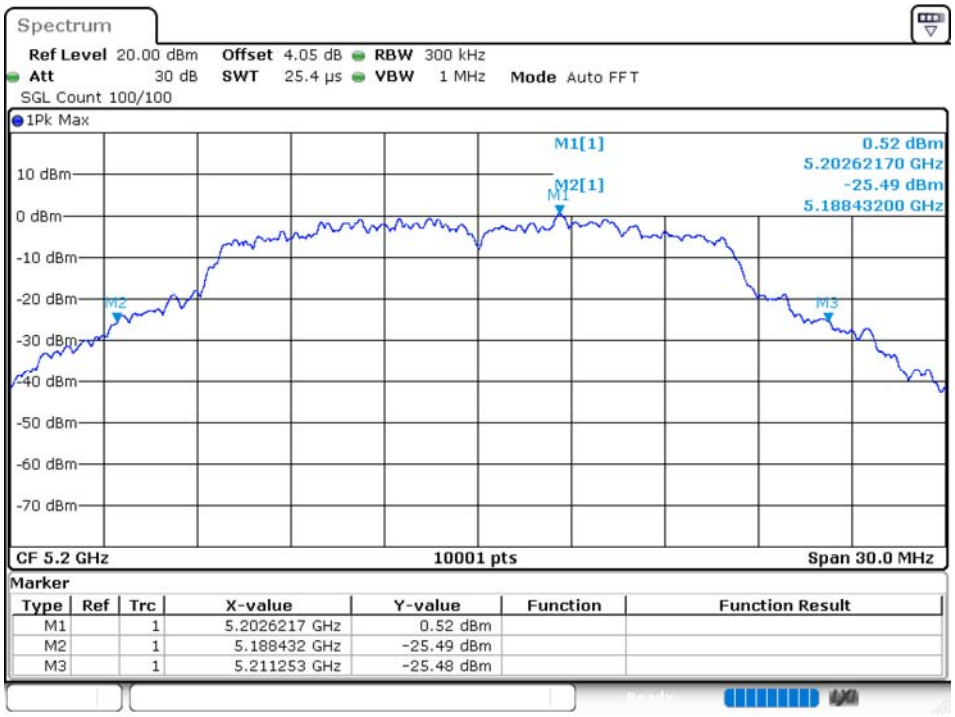
-26dB Bandwidth NVNT a 5240MHz Ant1



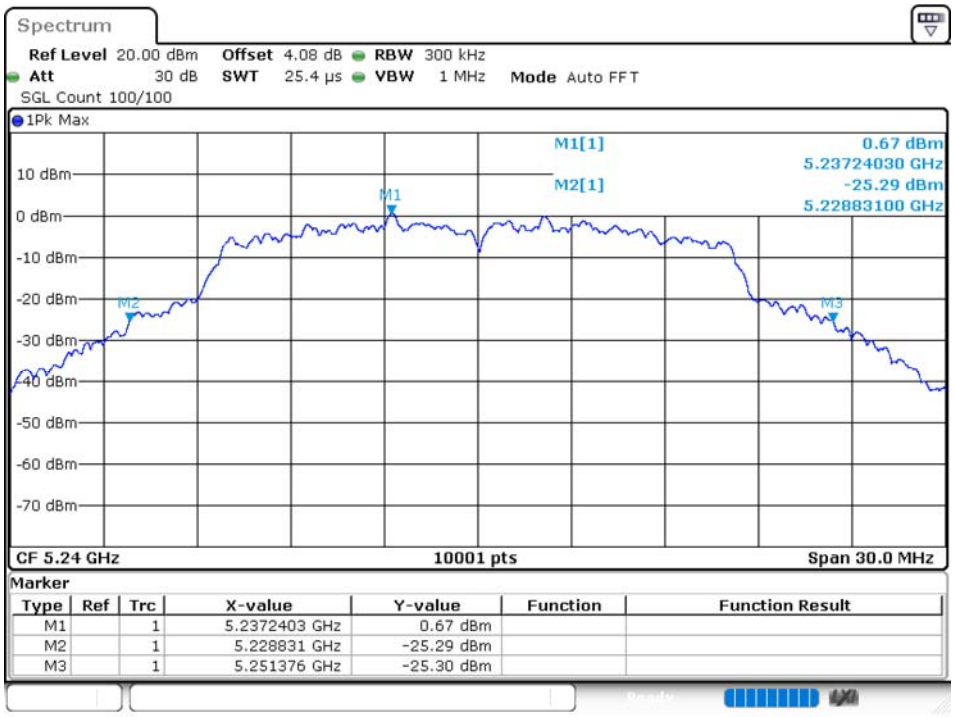
-26dB Bandwidth NVNT a 5180MHz Ant2



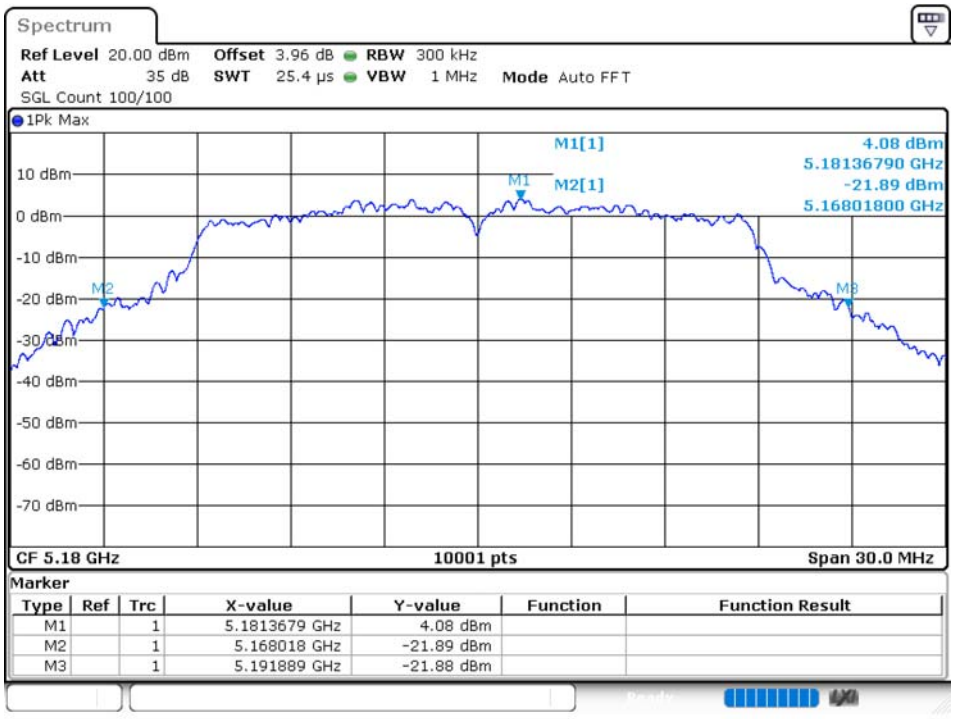
-26dB Bandwidth NVNT a 5200MHz Ant2



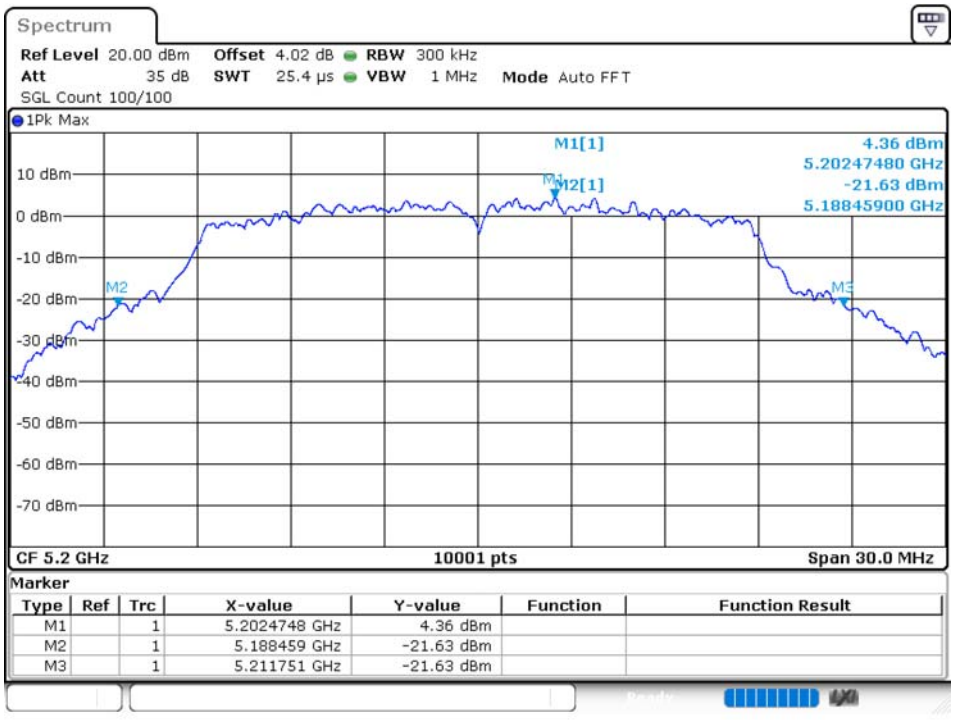
-26dB Bandwidth NVNT a 5240MHz Ant2



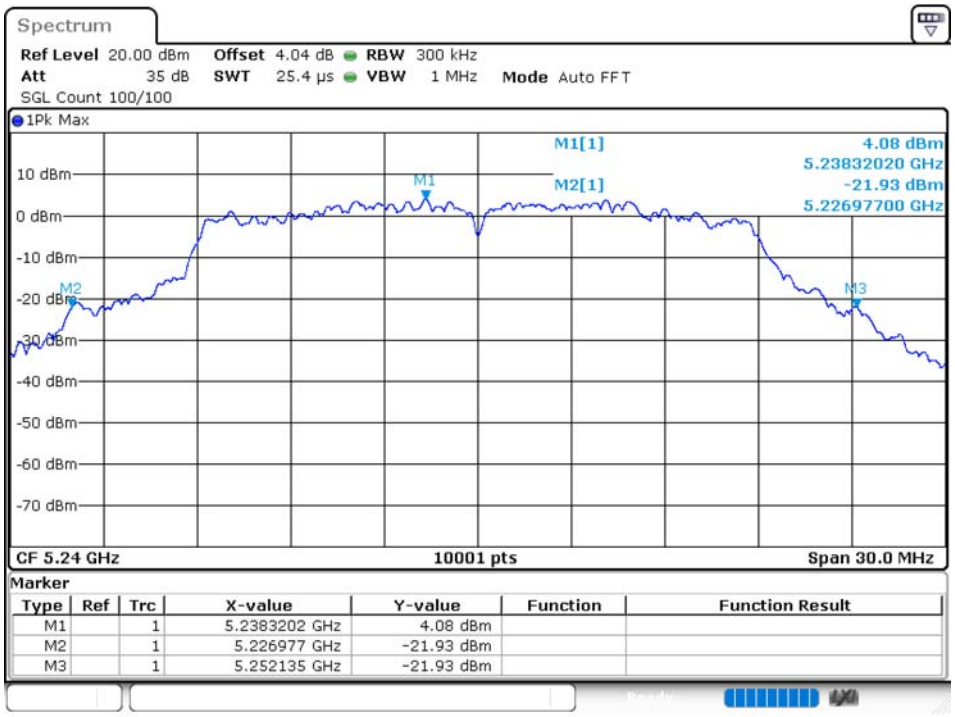
-26dB Bandwidth NVNT n20 5180MHz Ant1



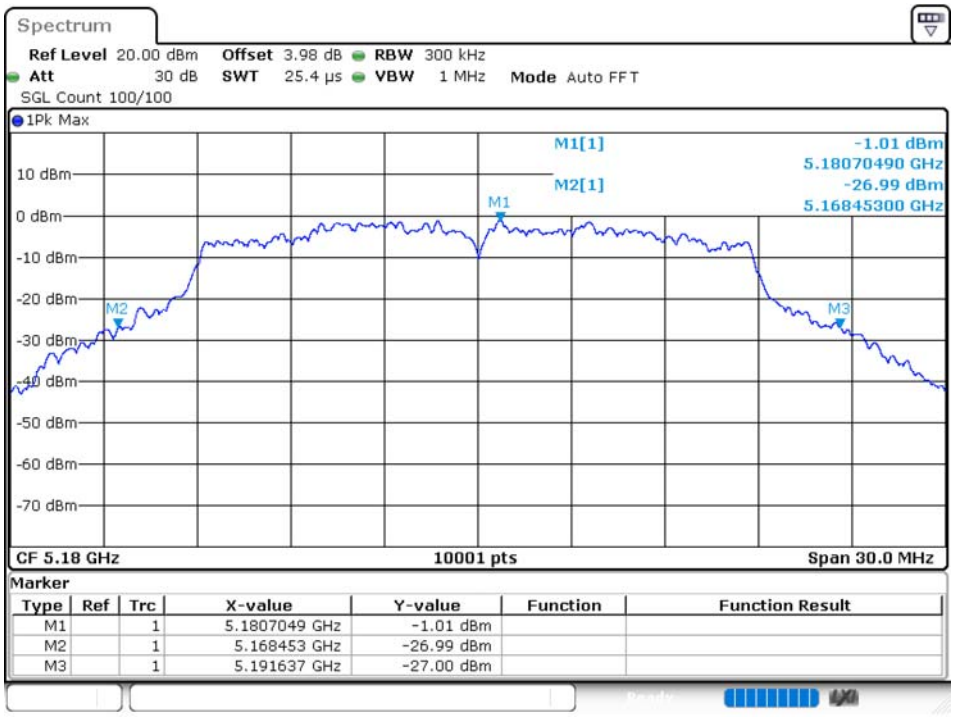
-26dB Bandwidth NVNT n20 5200MHz Ant1



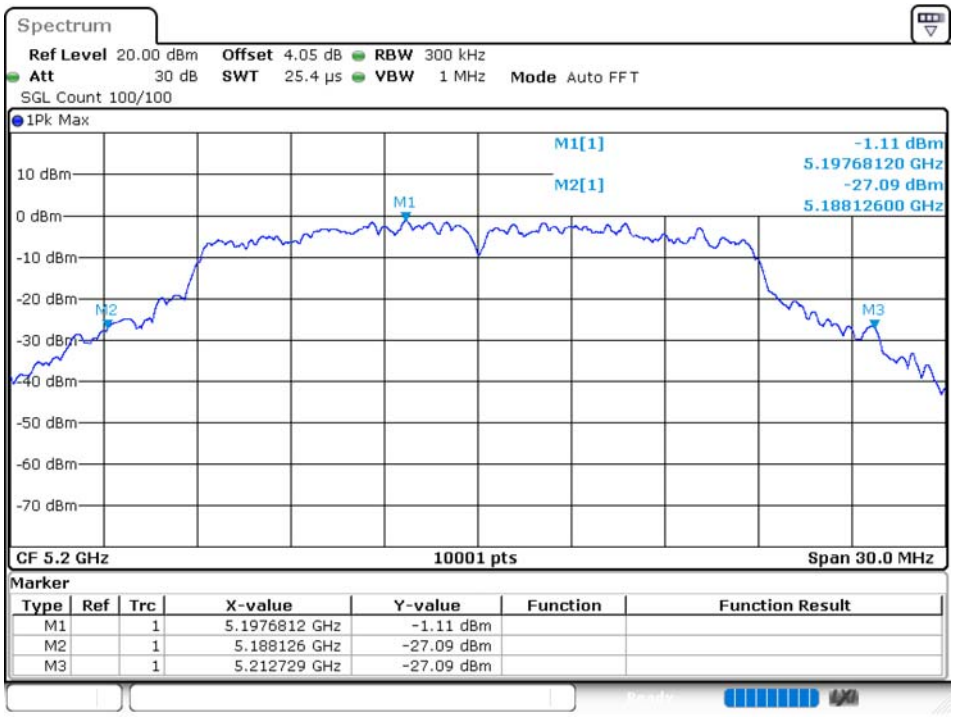
-26dB Bandwidth NVNT n20 5240MHz Ant1



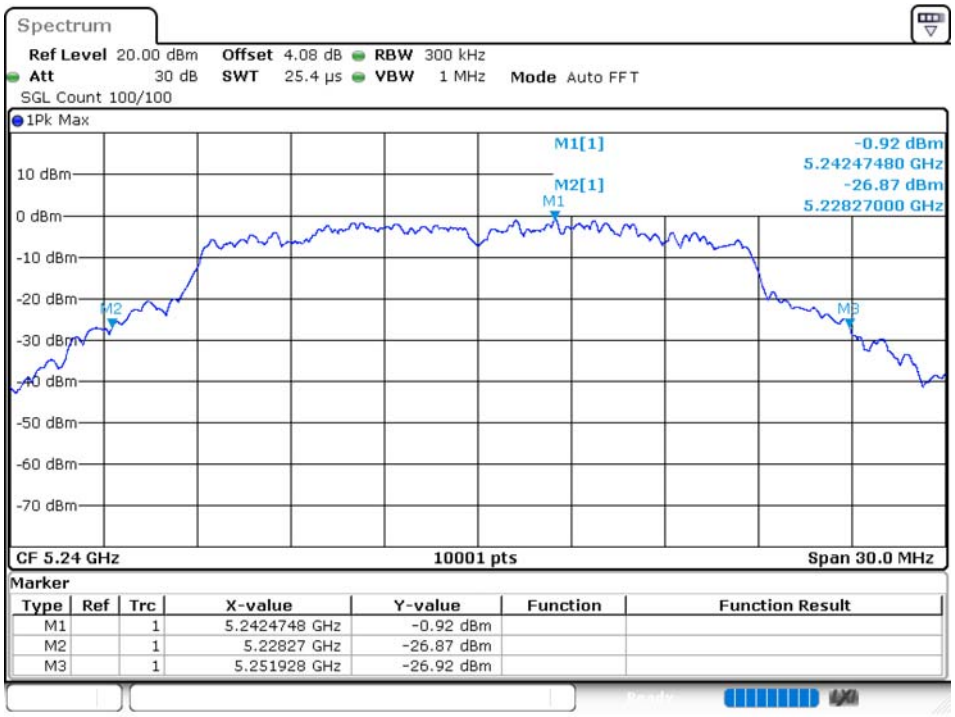
-26dB Bandwidth NVNT n20 5180MHz Ant2



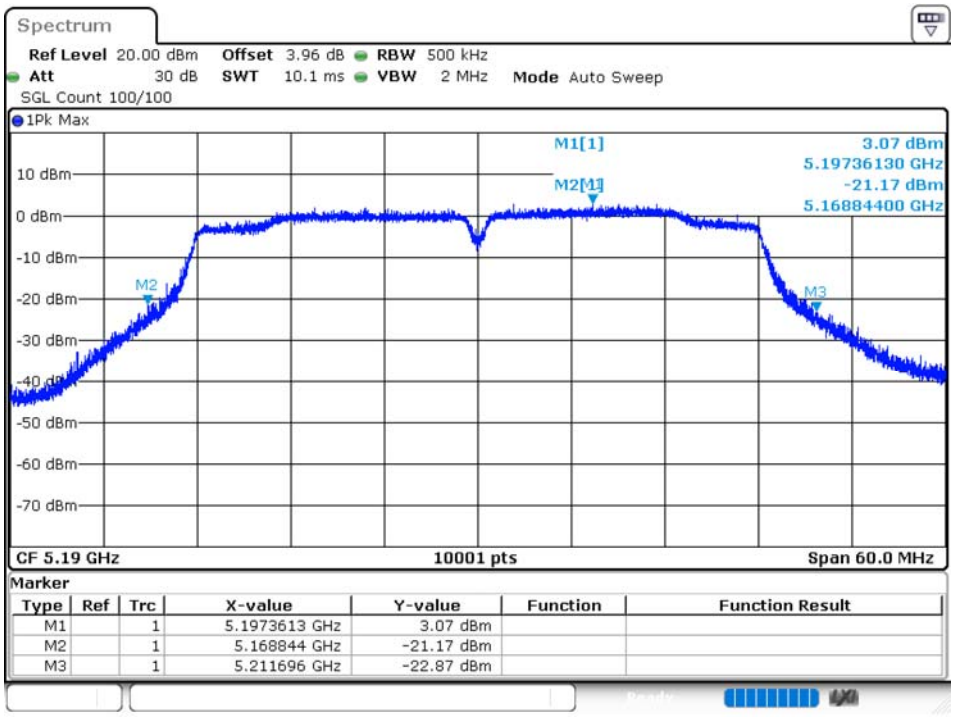
-26dB Bandwidth NVNT n20 5200MHz Ant2



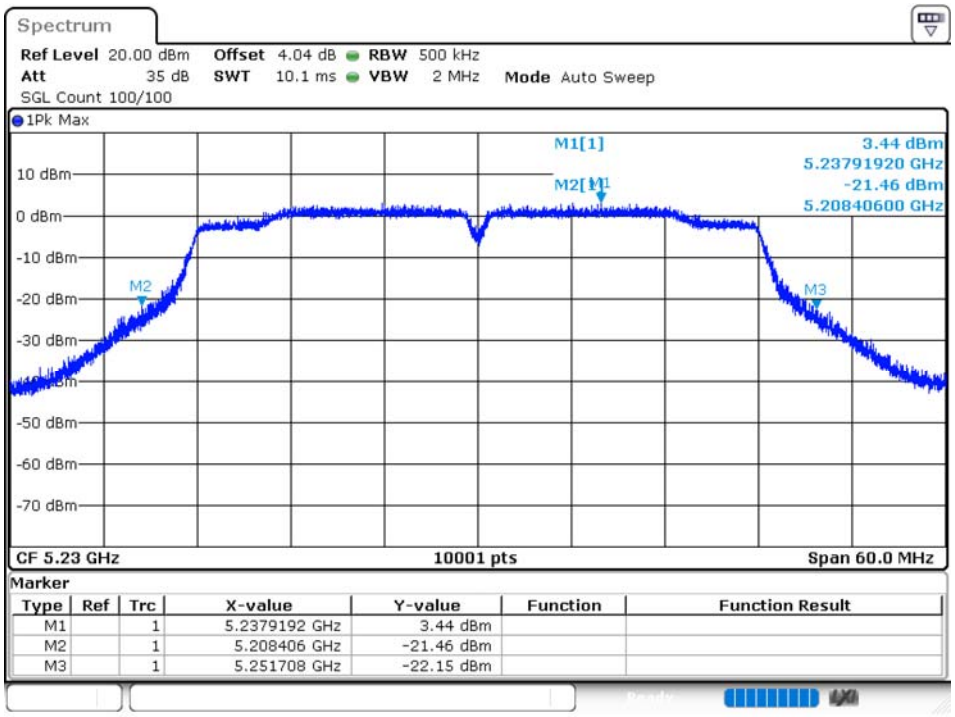
-26dB Bandwidth NVNT n20 5240MHz Ant2



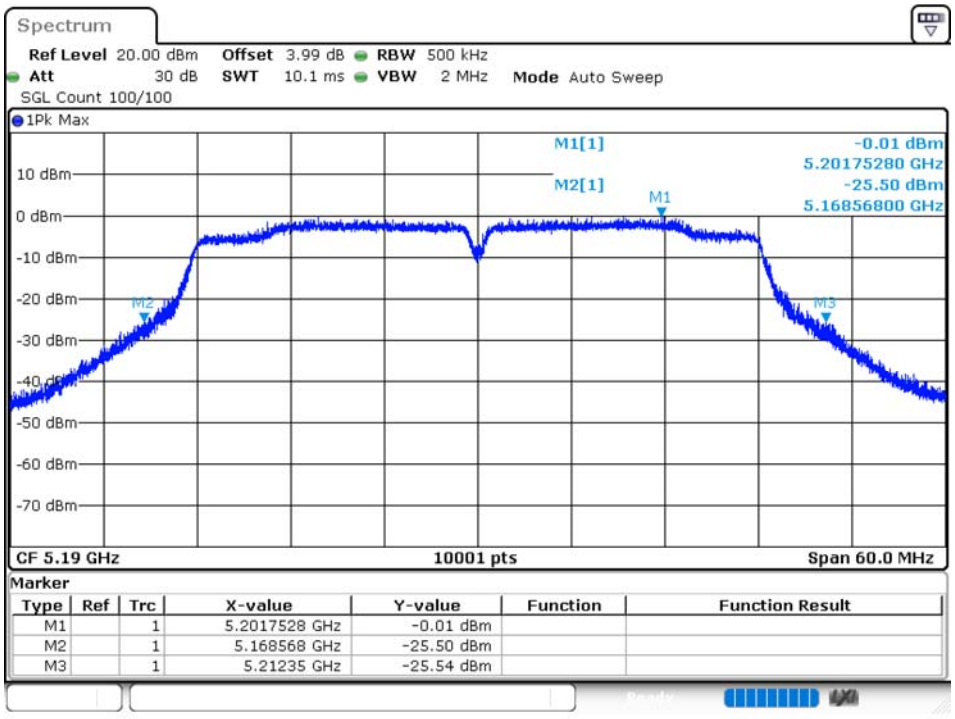
-26dB Bandwidth NVNT n40 5190MHz Ant1



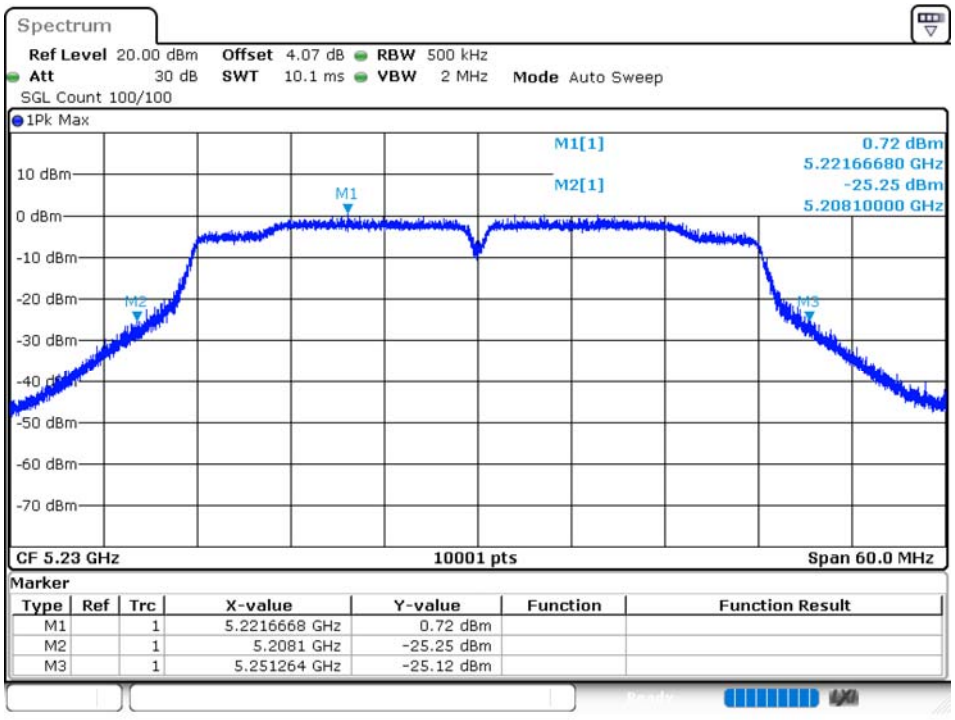
-26dB Bandwidth NVNT n40 5230MHz Ant1



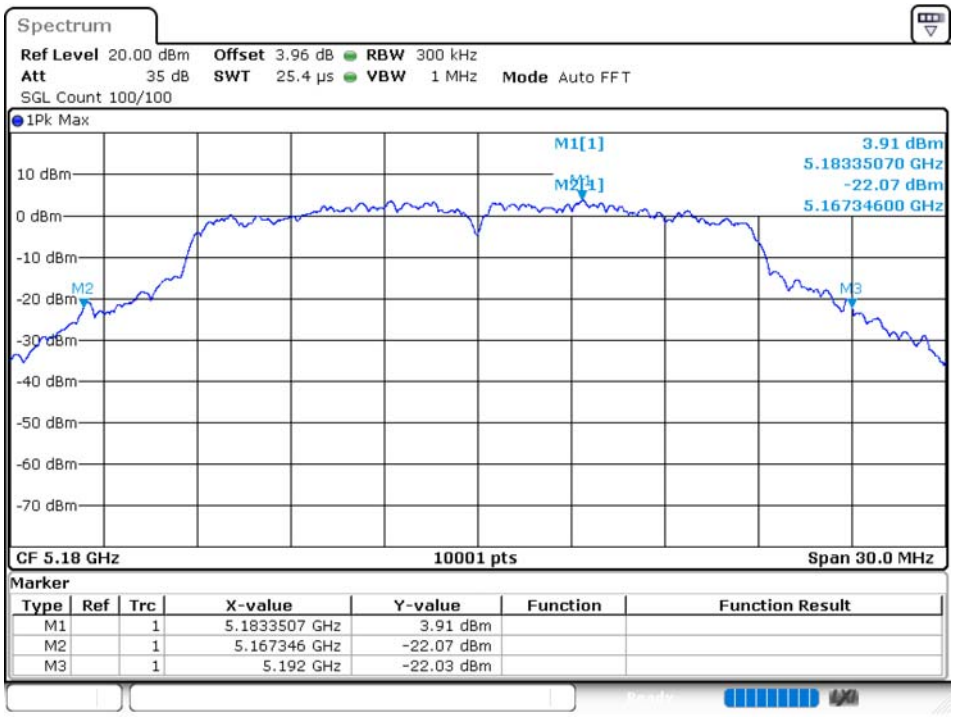
-26dB Bandwidth NVNT n40 5190MHz Ant2



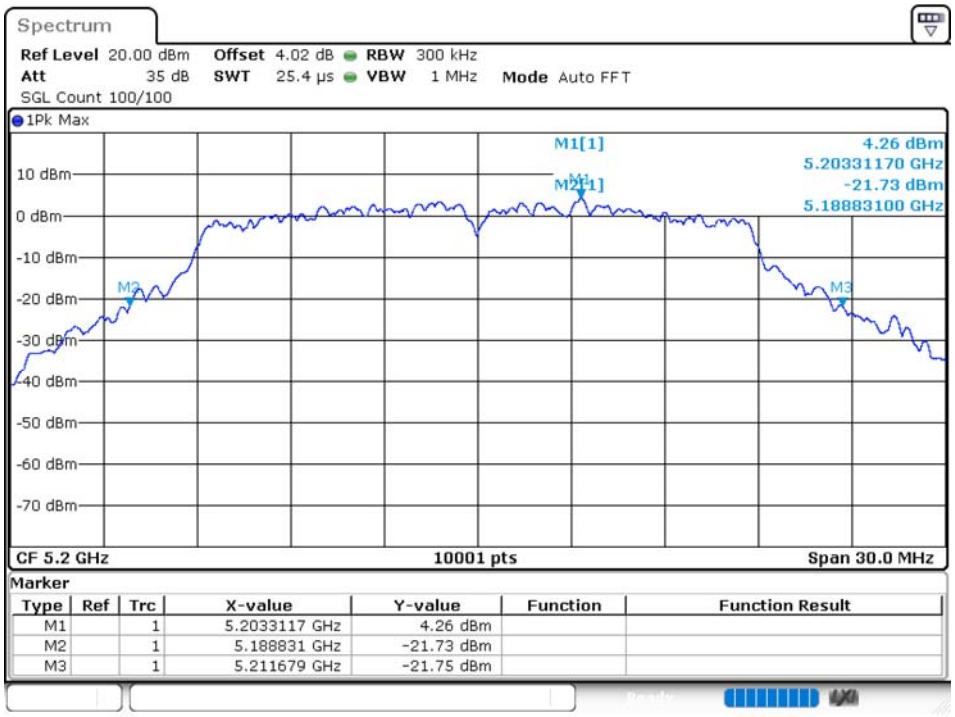
-26dB Bandwidth NVNT n40 5230MHz Ant2



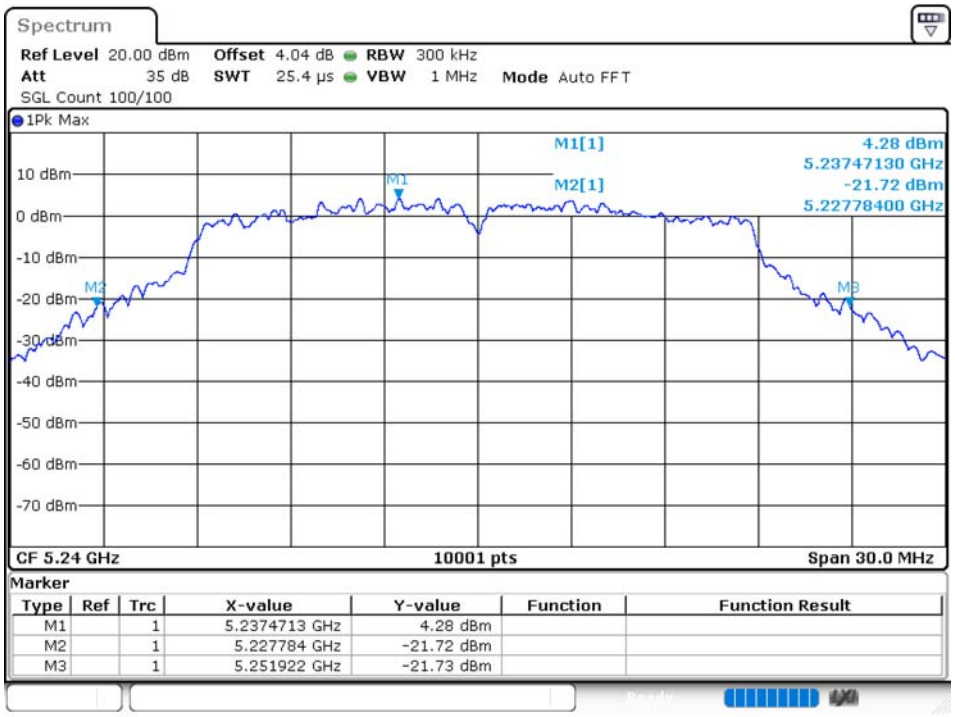
-26dB Bandwidth NVNT ac20 5180MHz Ant1



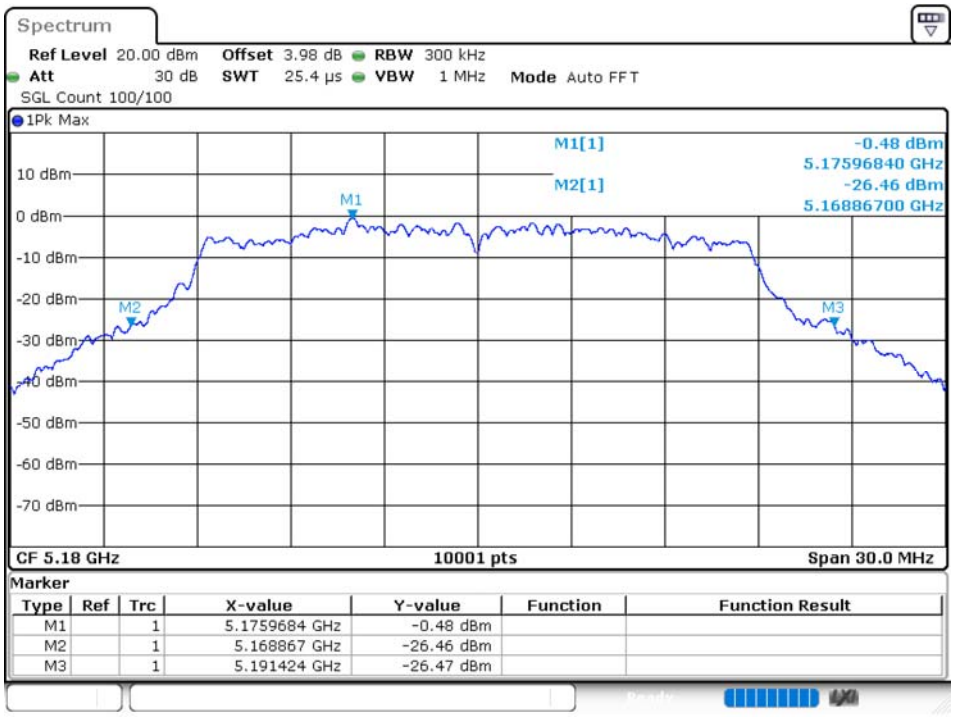
-26dB Bandwidth NVNT ac20 5200MHz Ant1



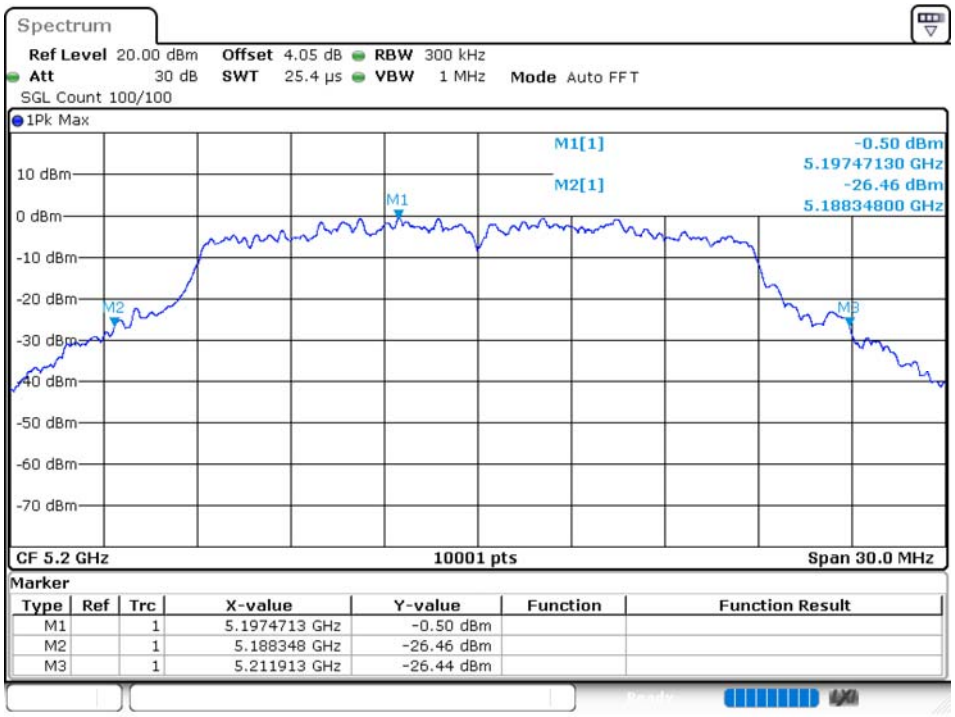
-26dB Bandwidth NVNT ac20 5240MHz Ant1



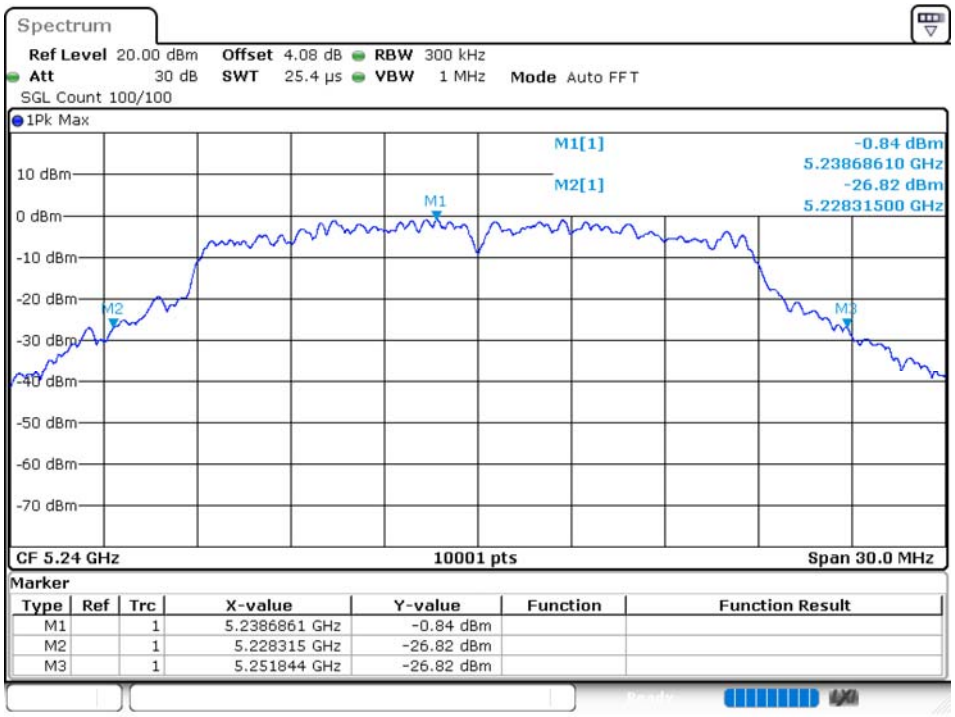
-26dB Bandwidth NVNT ac20 5180MHz Ant2



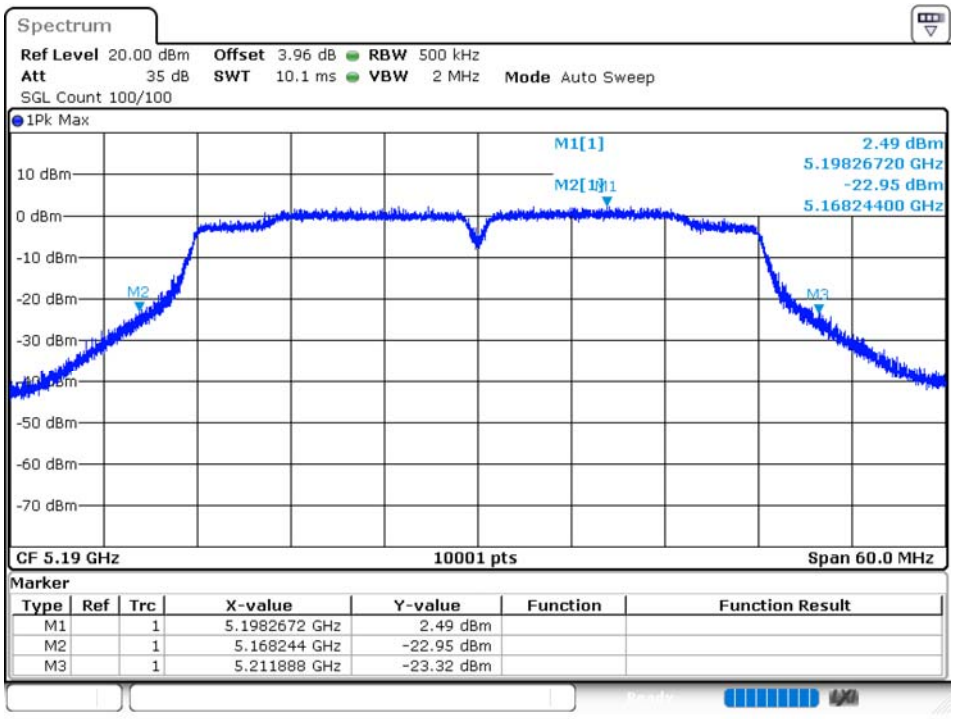
-26dB Bandwidth NVNT ac20 5200MHz Ant2



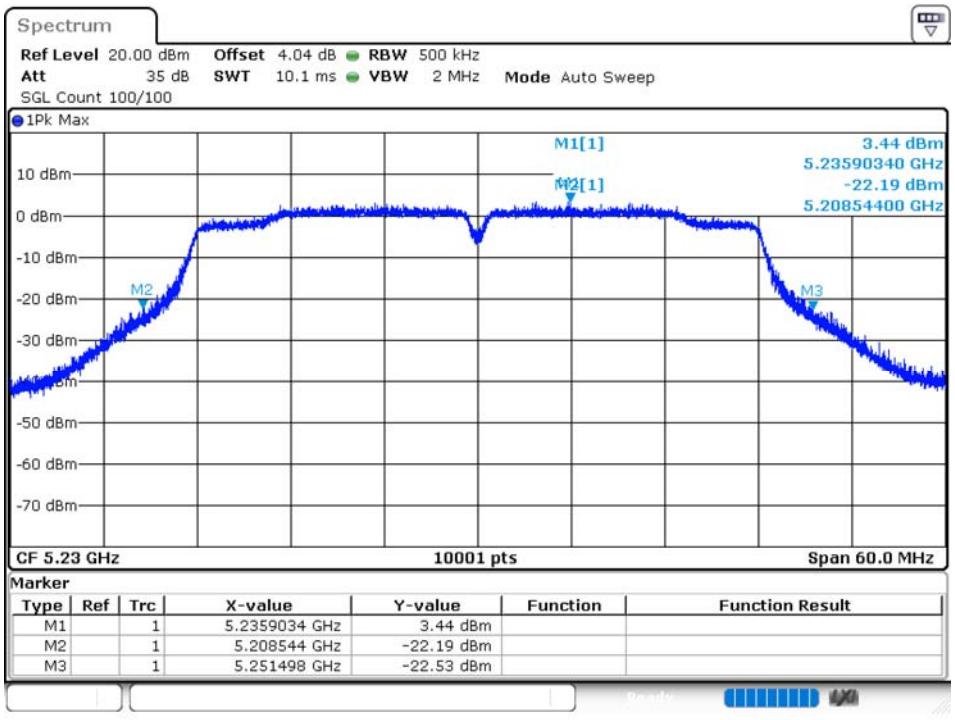
-26dB Bandwidth NVNT ac20 5240MHz Ant2



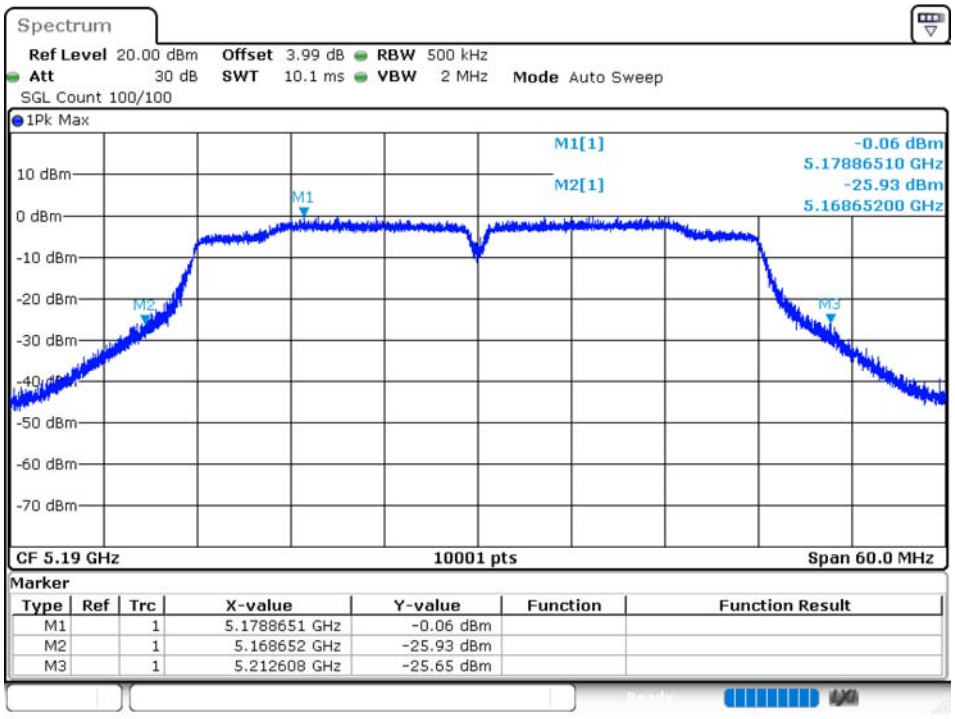
-26dB Bandwidth NVNT ac40 5190MHz Ant1



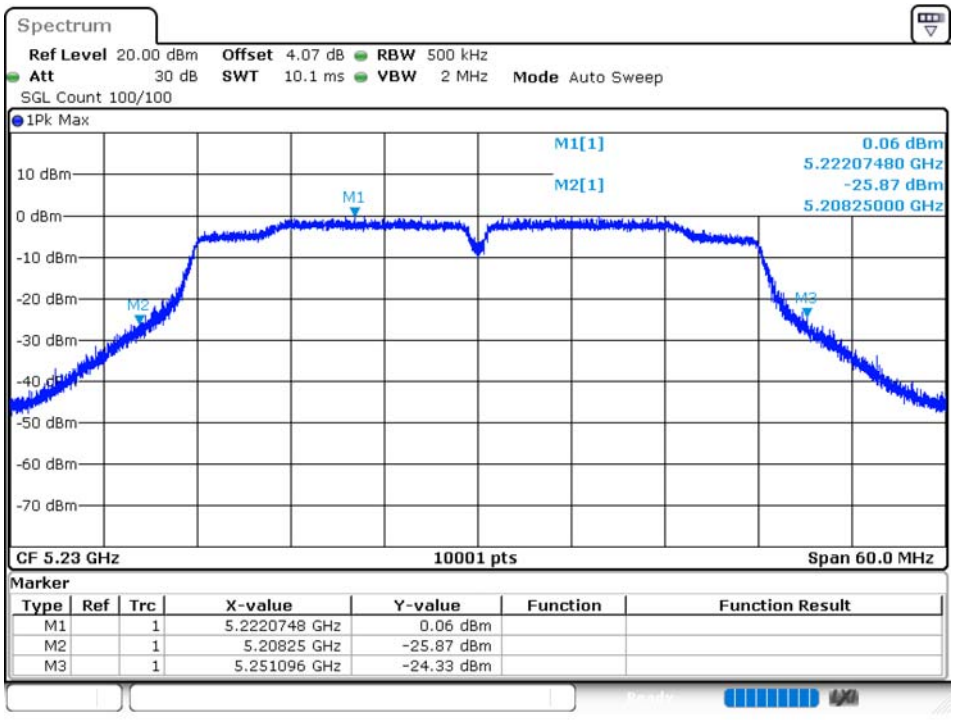
-26dB Bandwidth NVNT ac40 5230MHz Ant1



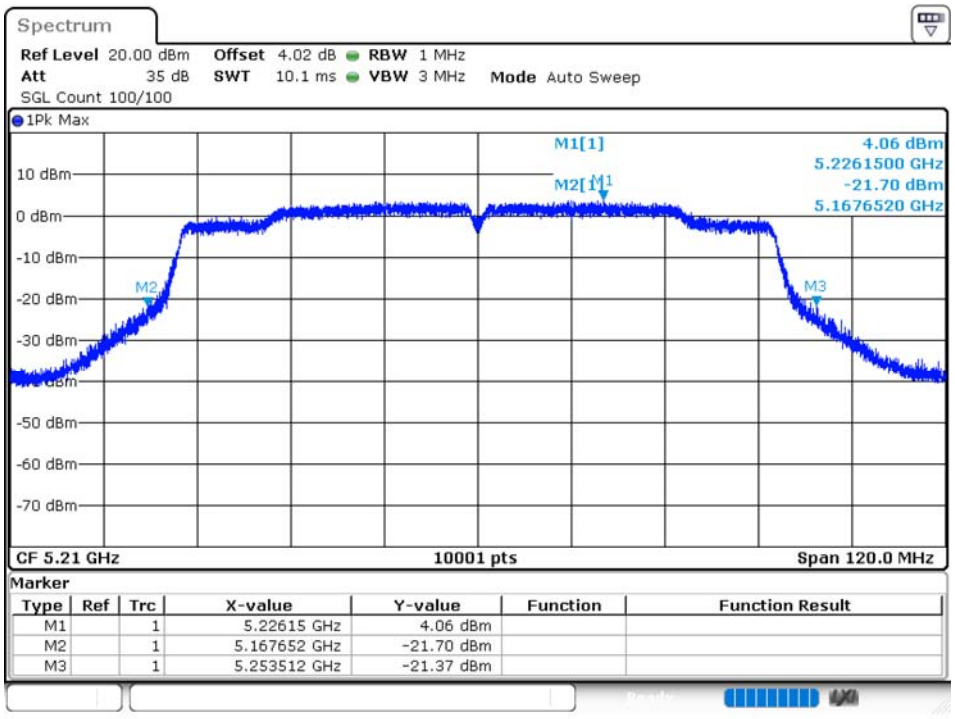
-26dB Bandwidth NVNT ac40 5190MHz Ant2



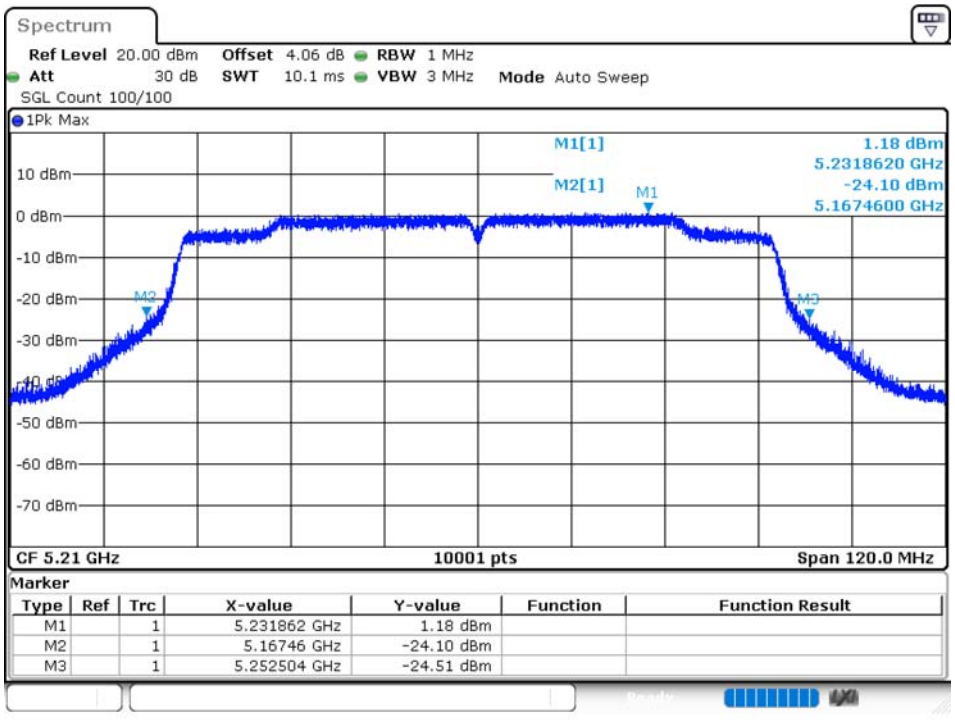
-26dB Bandwidth NVNT ac40 5230MHz Ant2



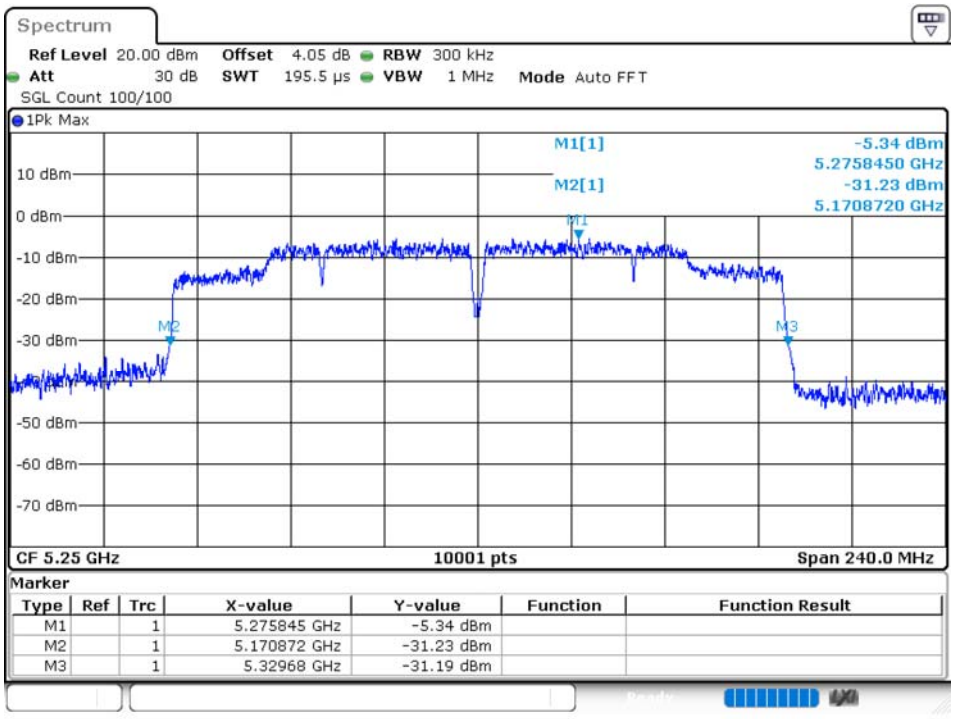
-26dB Bandwidth NVNT ac80 5210MHz Ant1



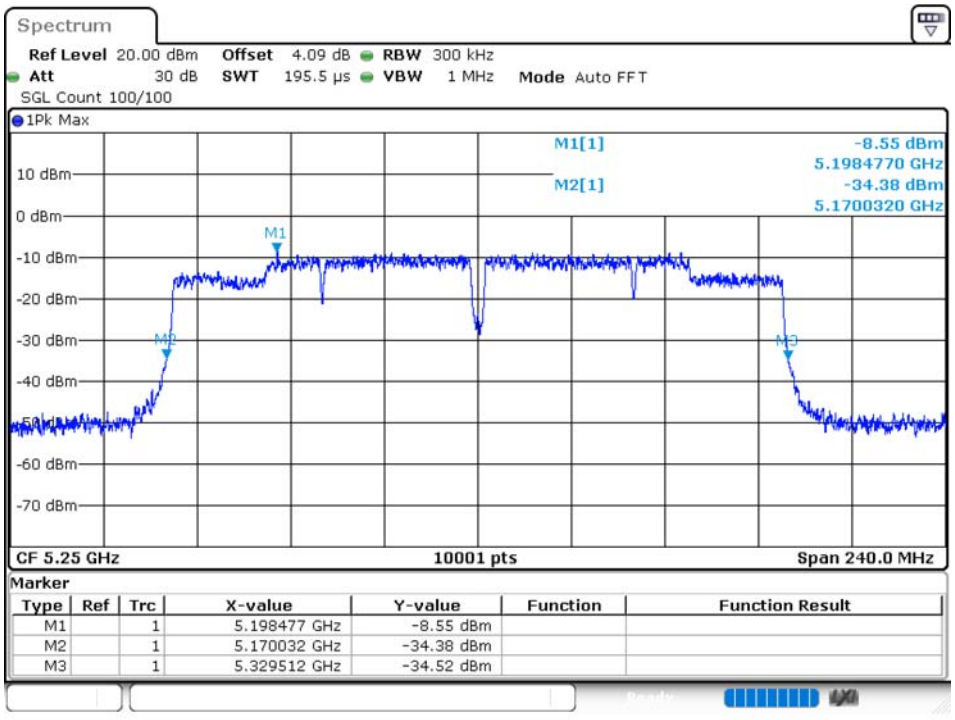
-26dB Bandwidth NVNT ac80 5210MHz Ant2



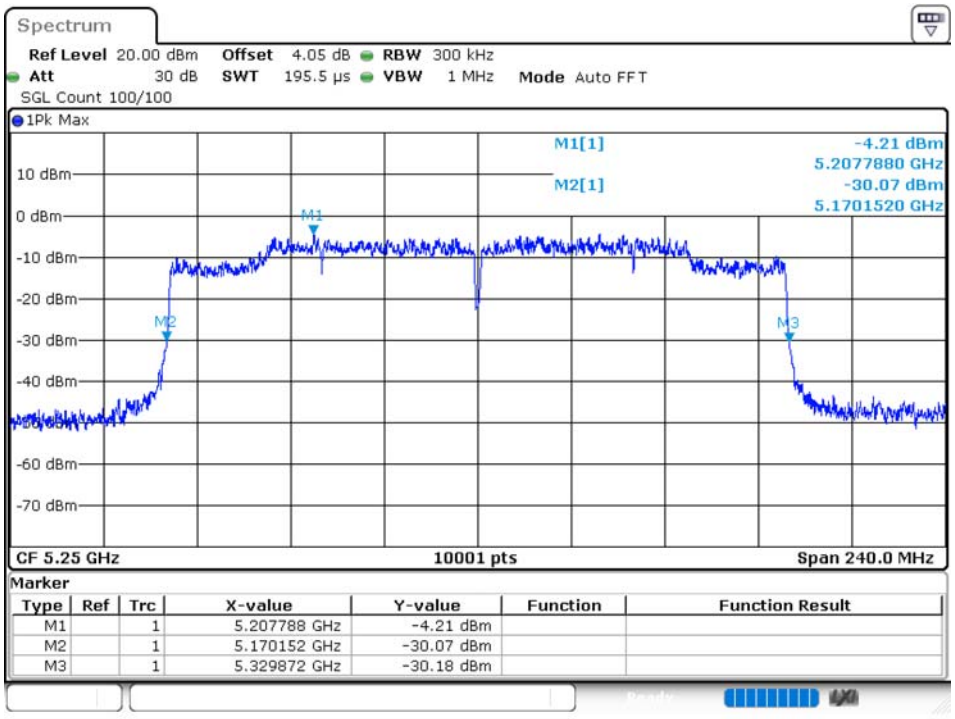
-26dB Bandwidth NVNT ac160 5250MHz Ant1



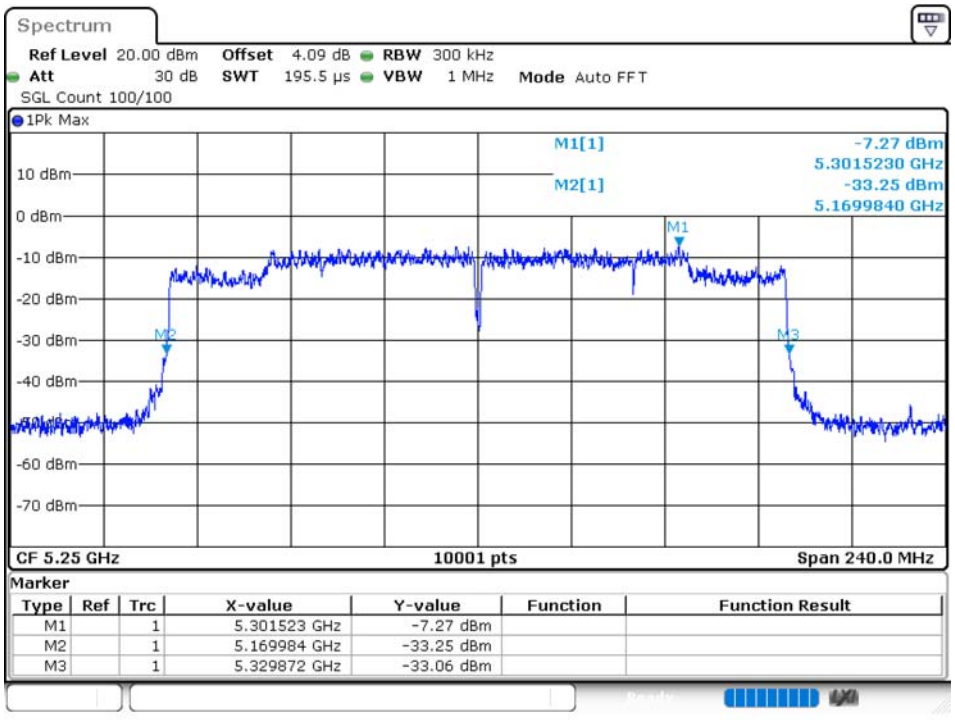
-26dB Bandwidth NVNT ac160 5250MHz Ant2



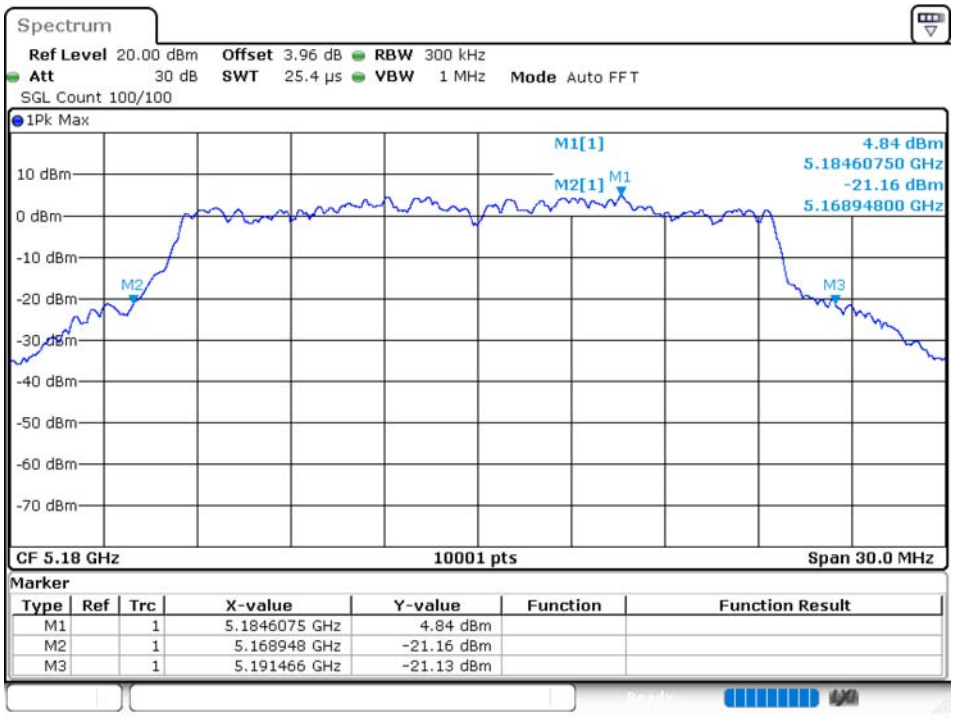
-26dB Bandwidth NVNT ax160 5250MHz Ant1



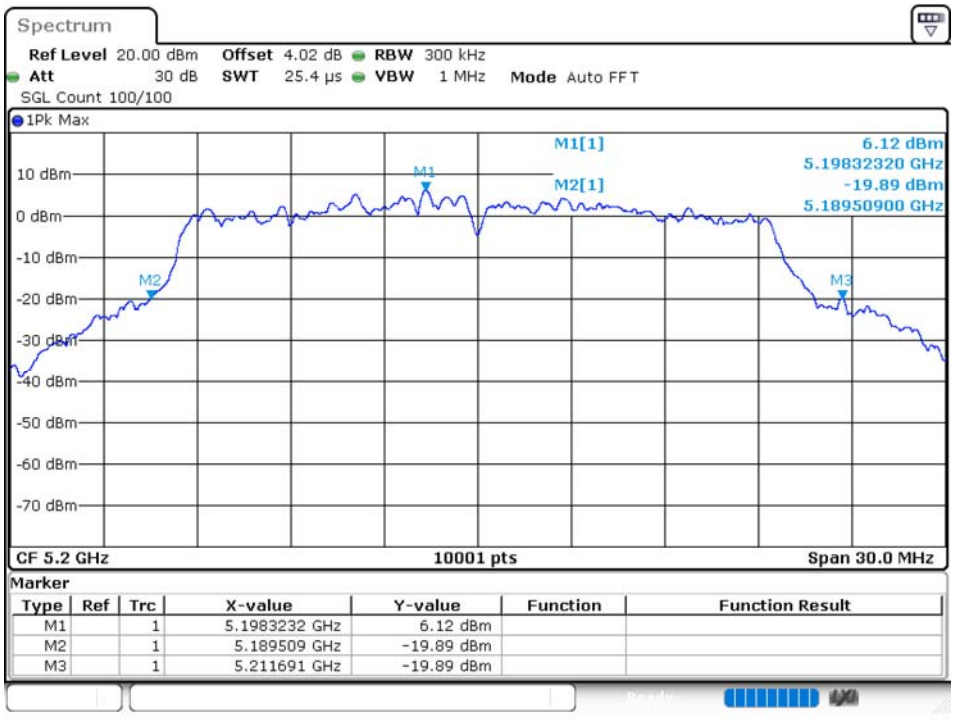
-26dB Bandwidth NVNT ax160 5250MHz Ant2



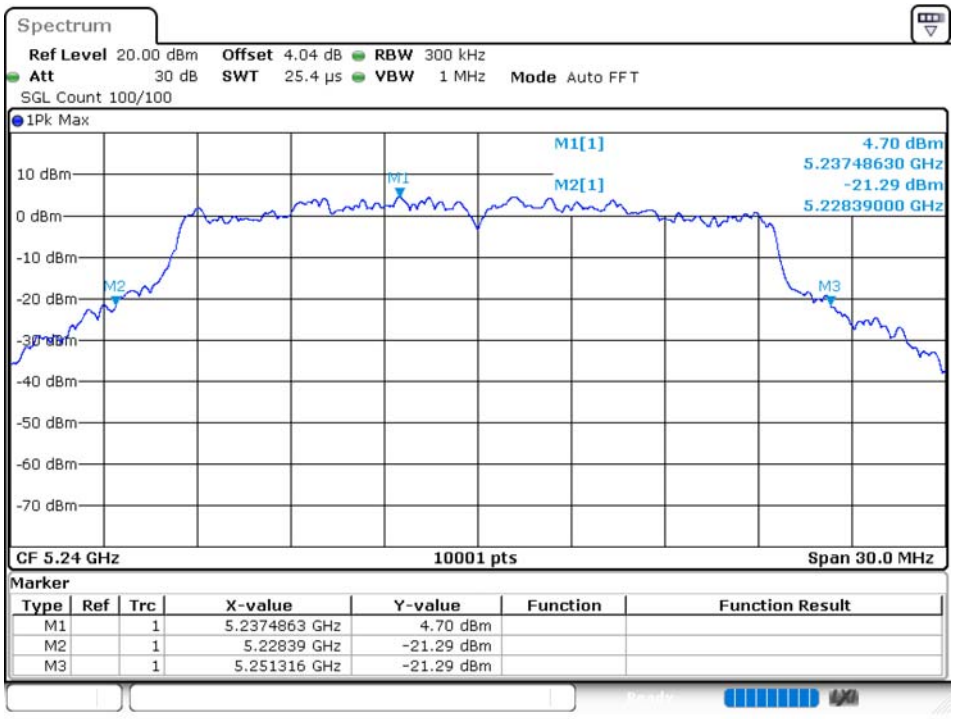
-26dB Bandwidth NVNT ax20 5180MHz Ant1



-26dB Bandwidth NVNT ax20 5200MHz Ant1



-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant2