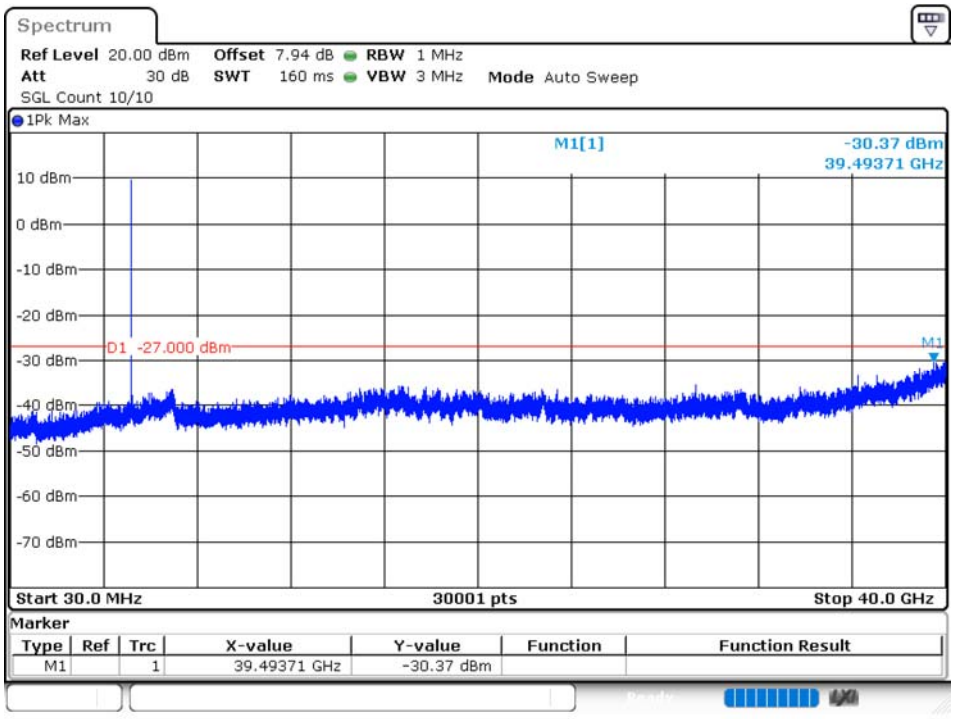
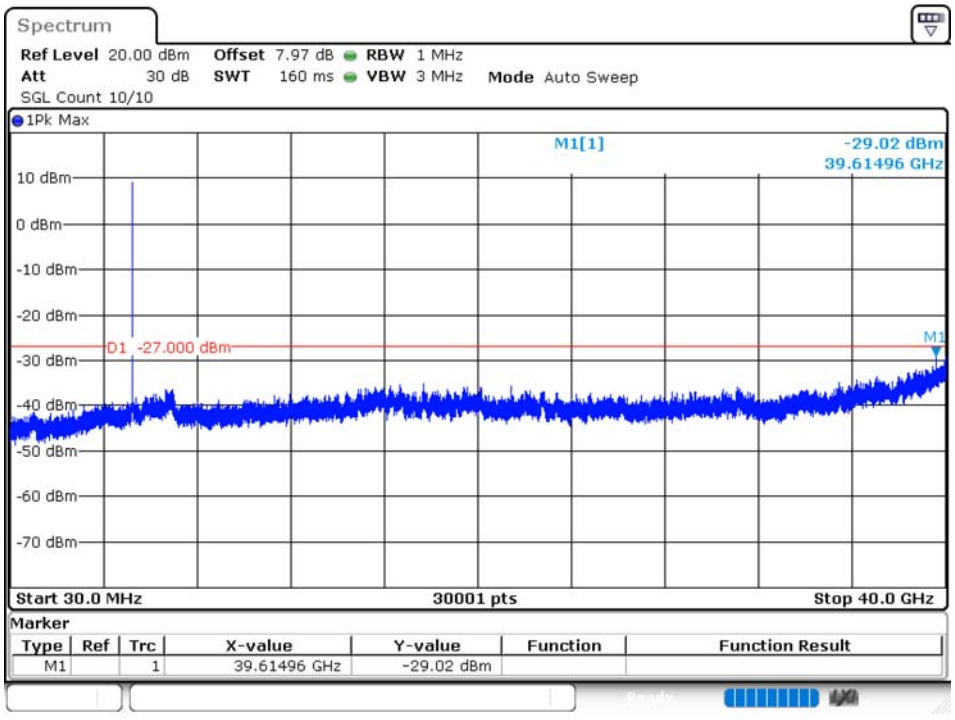
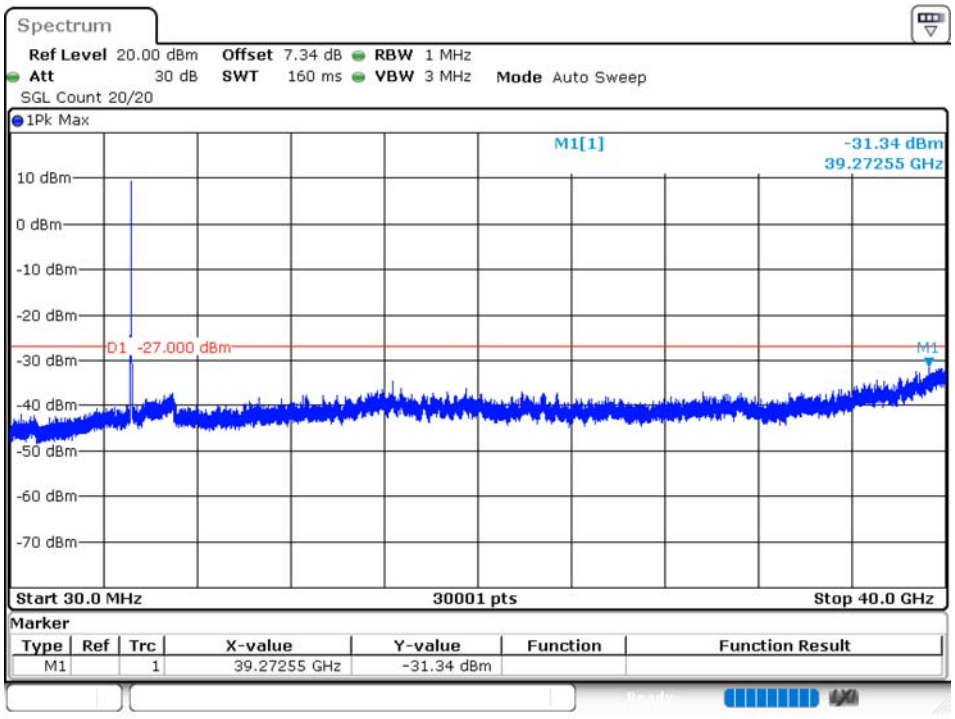
Tx. Spurious NVNT ax20 5200MHz Ant2 Emission



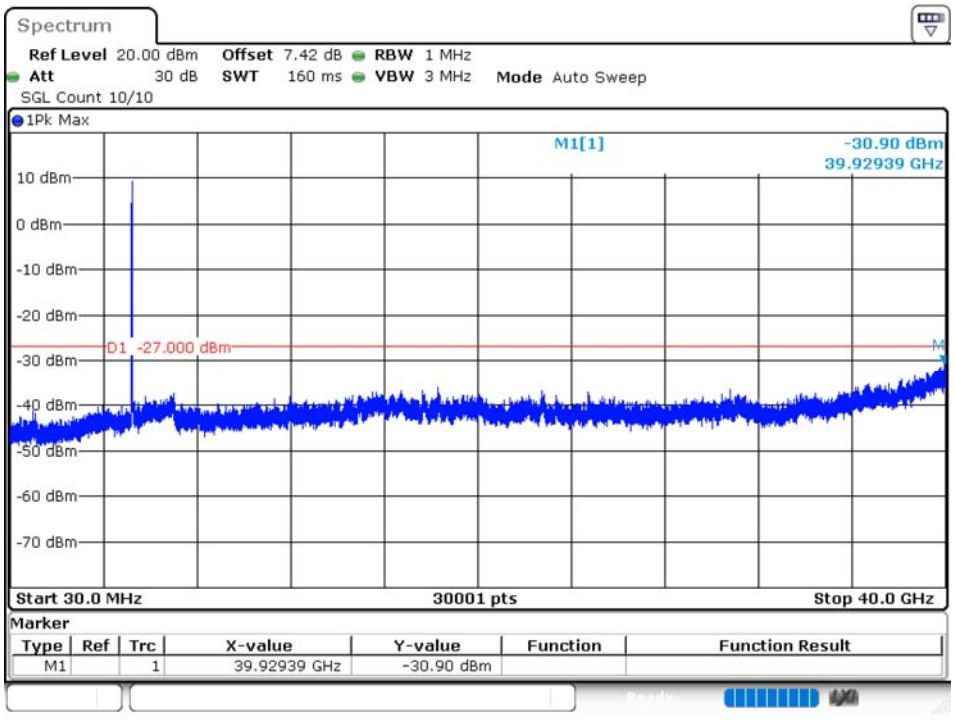
Tx. Spurious NVNT ax20 5240MHz Ant2 Emission



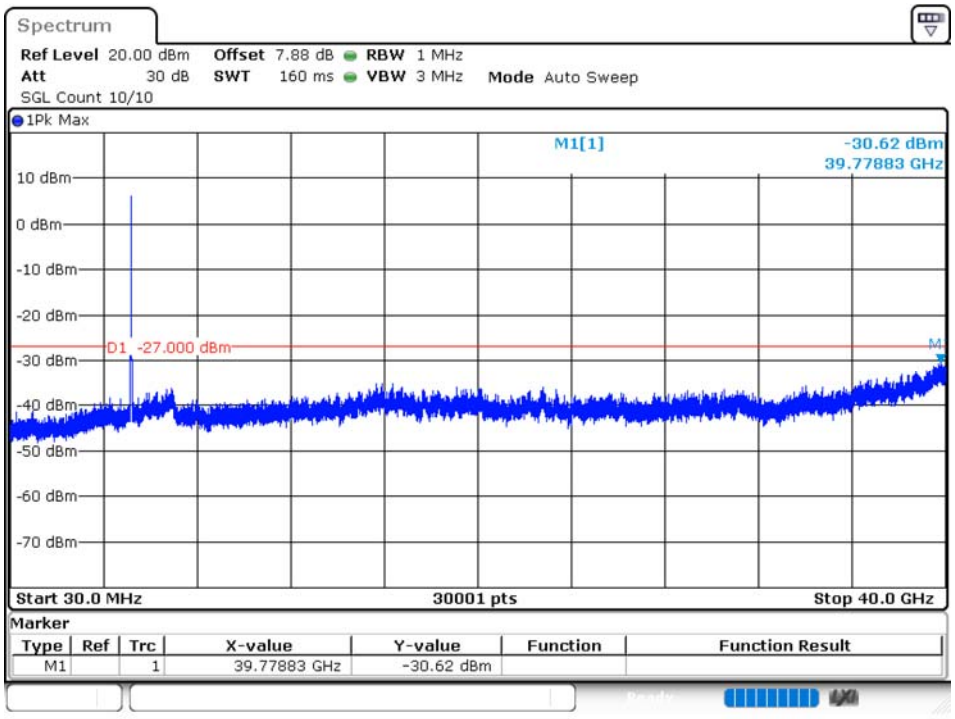
Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



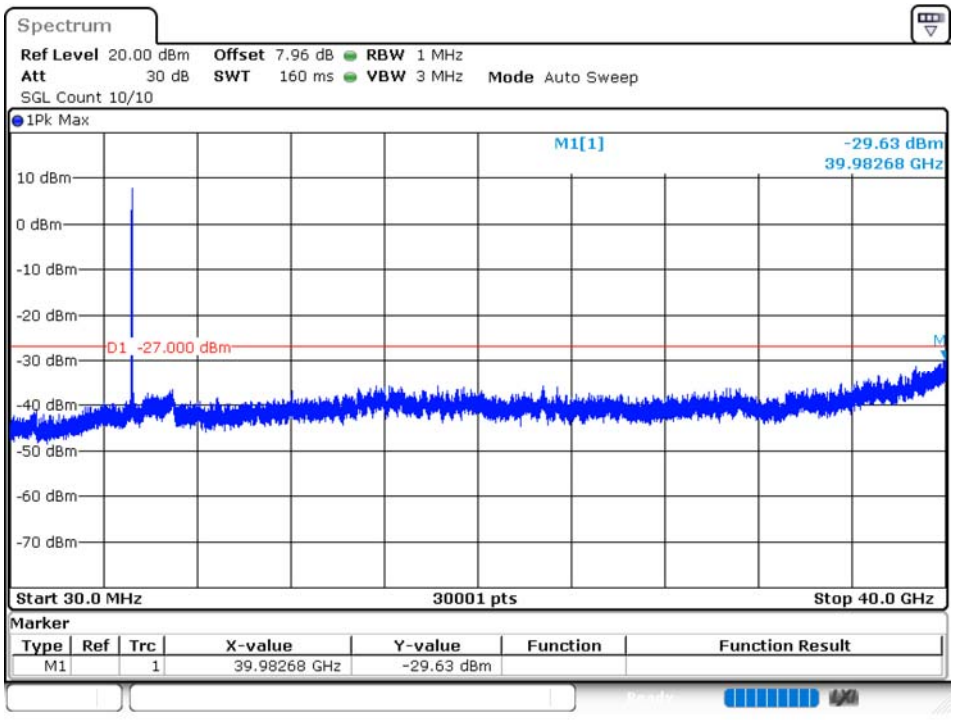
Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



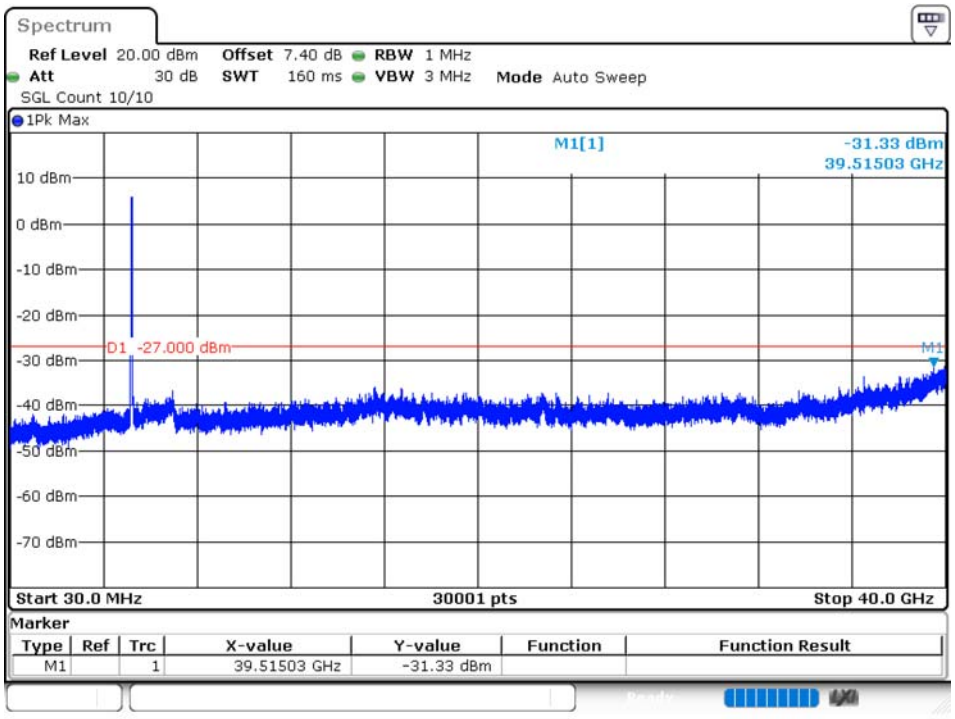
Tx. Spurious NVNT ax40 5190MHz Ant2 Emission



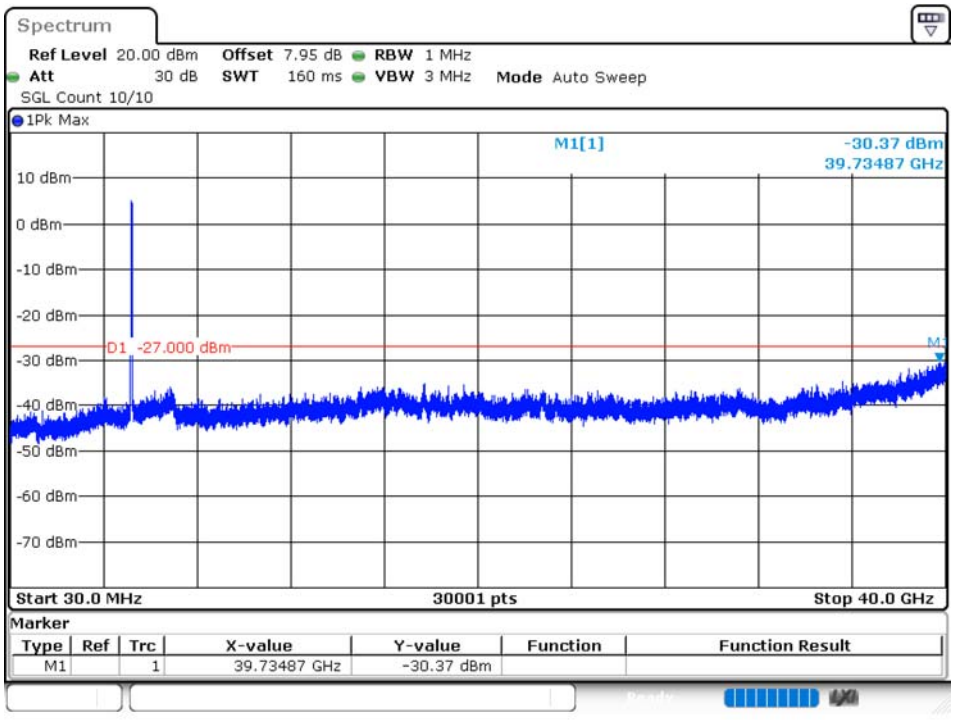
Tx. Spurious NVNT ax40 5230MHz Ant2 Emission



Tx. Spurious NVNT ax80 5210MHz Ant1 Emission



Tx. Spurious NVNT ax80 5210MHz Ant2 Emission

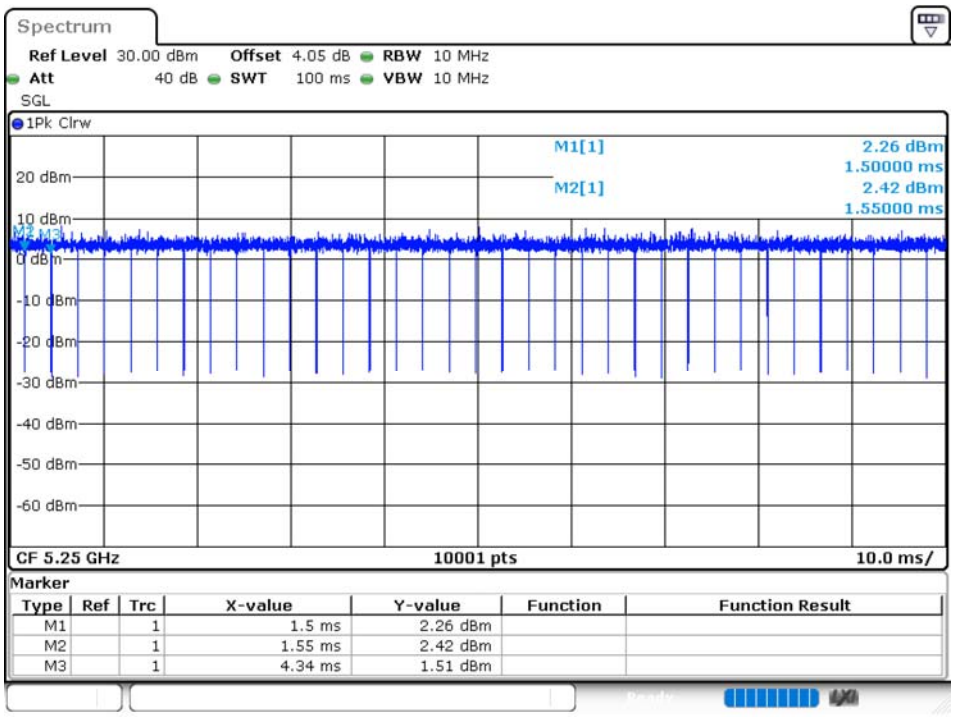


5.2G WIFI MIMO

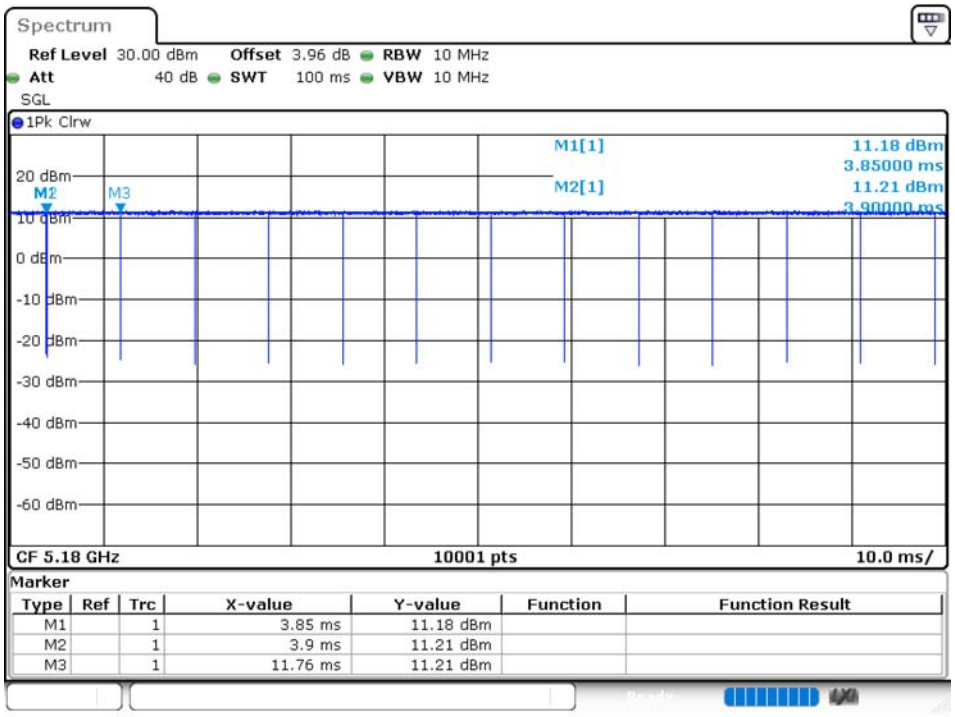
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac160	5250	Sum	98.55	0.06	0.36
NVNT	ac20	5180	Sum	99.49	0.02	0.13
NVNT	ac20	5200	Sum	99.49	0.02	0.13
NVNT	ac20	5240	Sum	99.53	0.02	0.13
NVNT	ac40	5190	Sum	99.49	0.02	0.13
NVNT	ac40	5230	Sum	99.49	0.02	0.13
NVNT	ac80	5210	Sum	99.44	0.02	0.13
NVNT	ax160	5250	Sum	98.27	0.08	0.43
NVNT	ax20	5180	Sum	99.53	0.02	0.13
NVNT	ax20	5200	Sum	99.56	0.02	0.13
NVNT	ax20	5240	Sum	99.53	0.02	0.13
NVNT	ax40	5190	Sum	99.46	0.02	0.13
NVNT	ax40	5230	Sum	99.09	0.04	0.25
NVNT	ax80	5210	Sum	99.47	0.02	0.13
NVNT	n20	5180	Sum	99.54	0.02	0.13
NVNT	n20	5200	Sum	99.48	0.02	0.13
NVNT	n20	5240	Sum	99.51	0.02	0.13
NVNT	n40	5190	Sum	99.44	0.02	0.13
NVNT	n40	5230	Sum	99.52	0.02	0.13

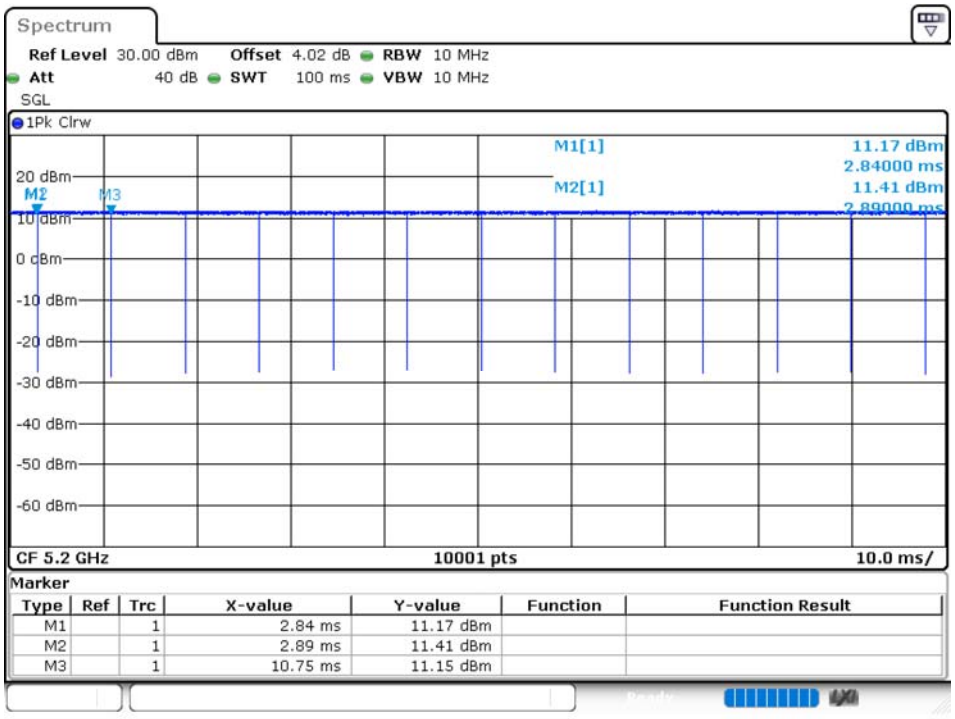
Test Graphs
Duty Cycle NVNT ac160 5250MHz Sum



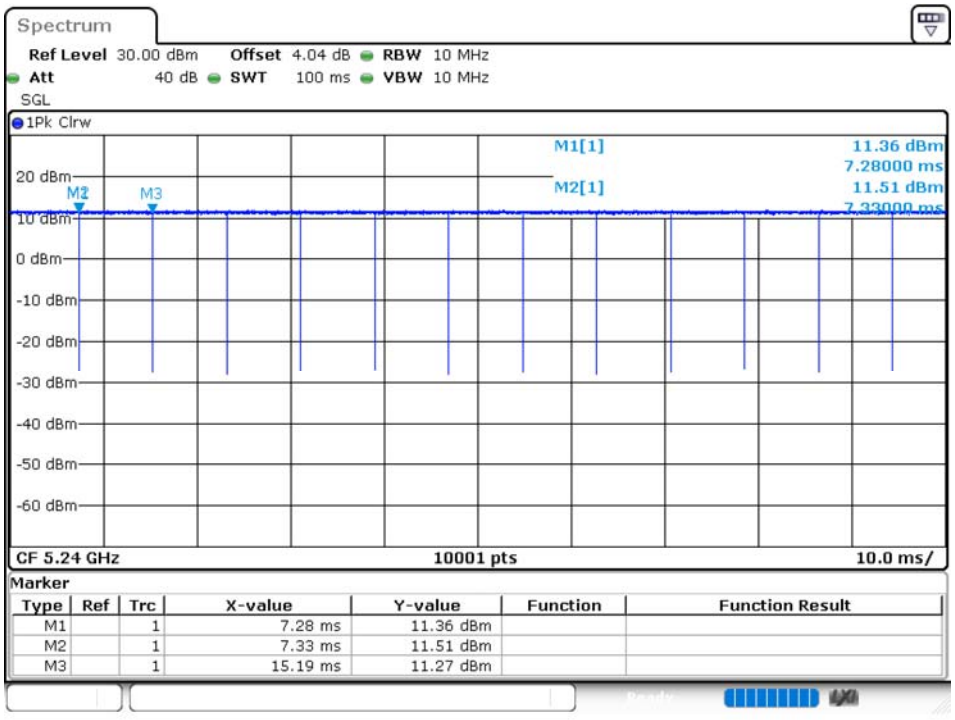
Duty Cycle NVNT ac20 5180MHz Sum



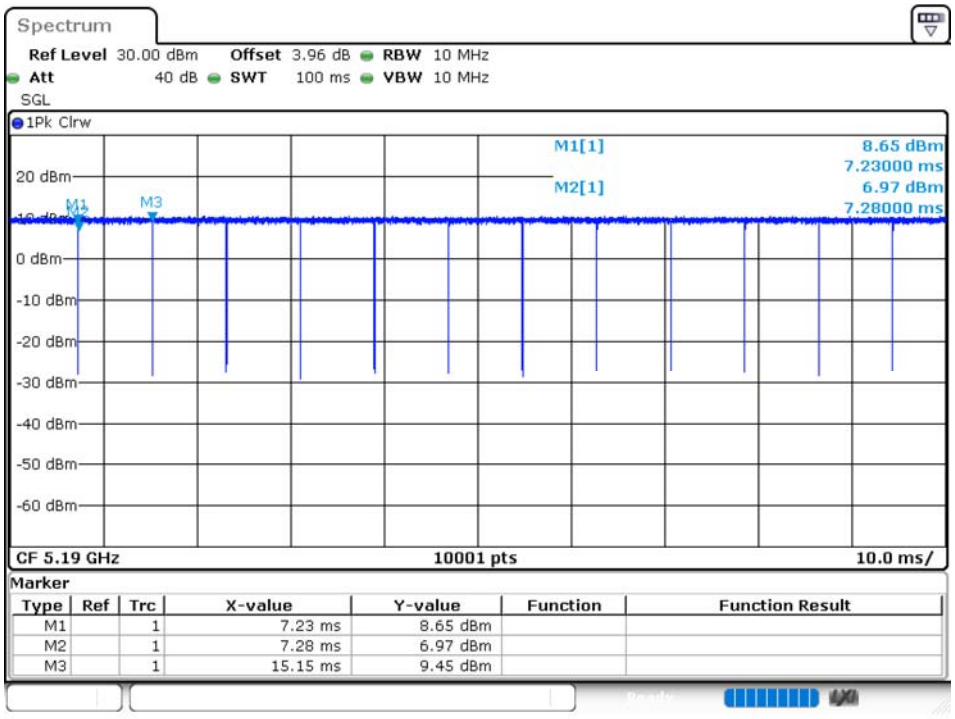
Duty Cycle NVNT ac20 5200MHz Sum



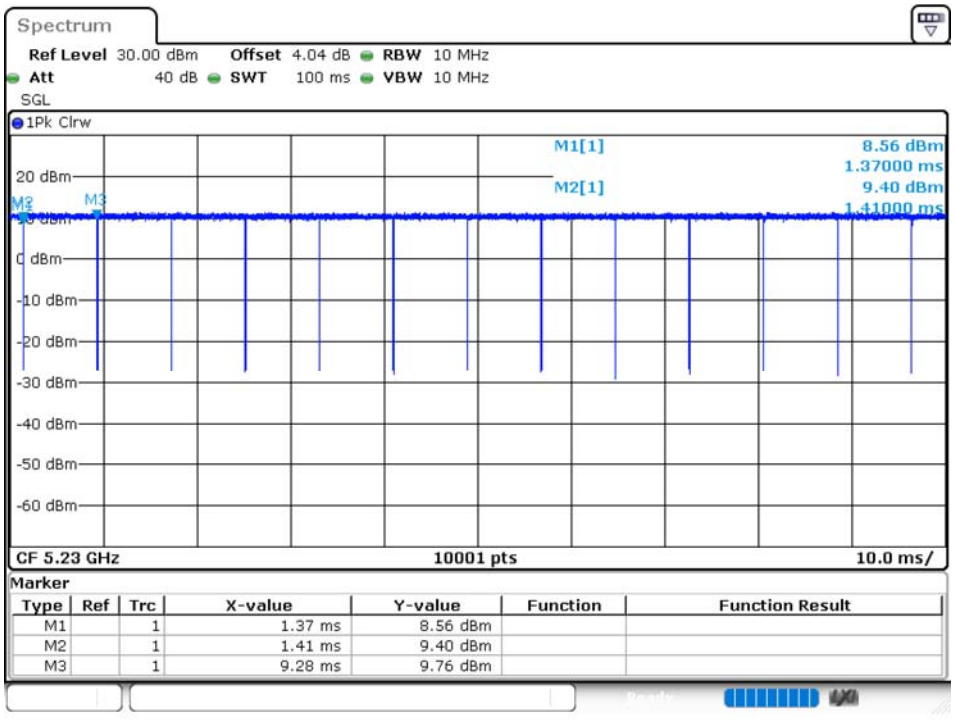
Duty Cycle NVNT ac20 5240MHz Sum



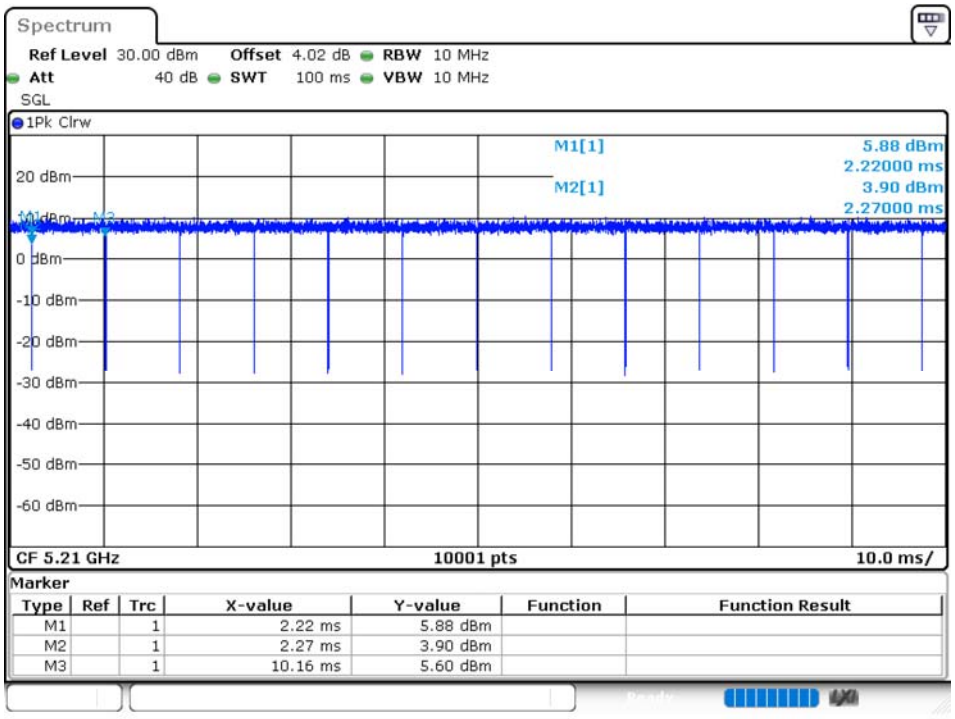
Duty Cycle NVNT ac40 5190MHz Sum



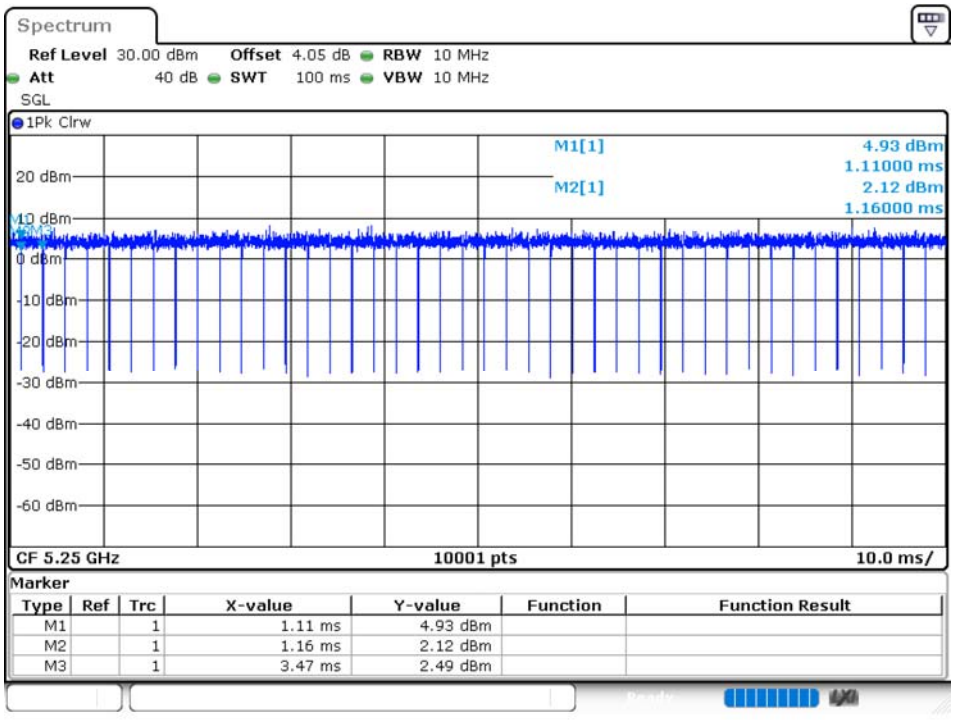
Duty Cycle NVNT ac40 5230MHz Sum



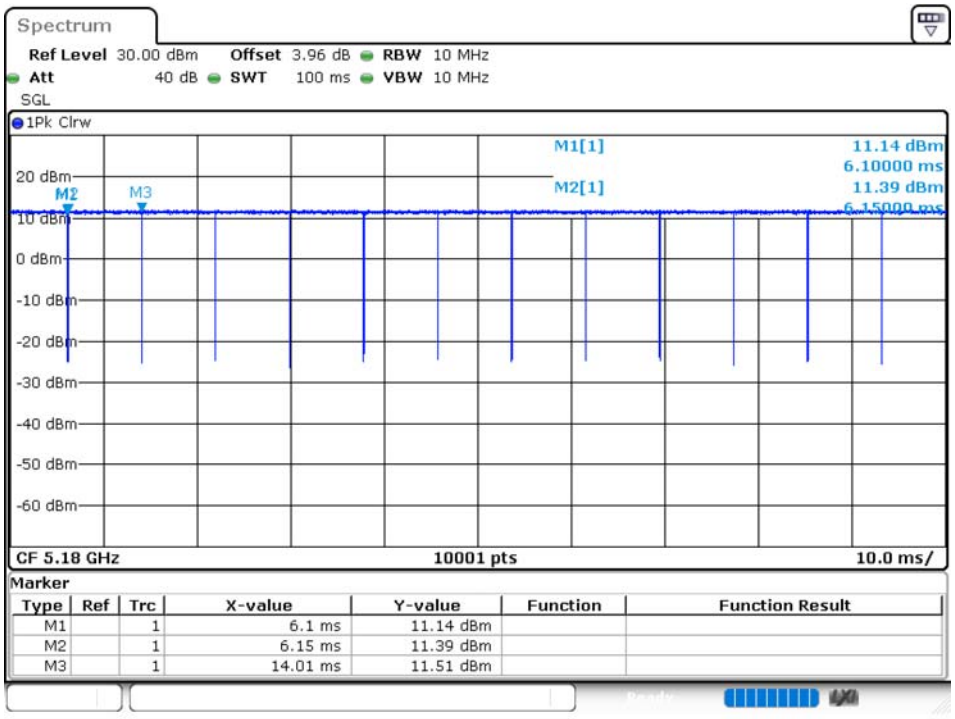
Duty Cycle NVNT ac80 5210MHz Sum



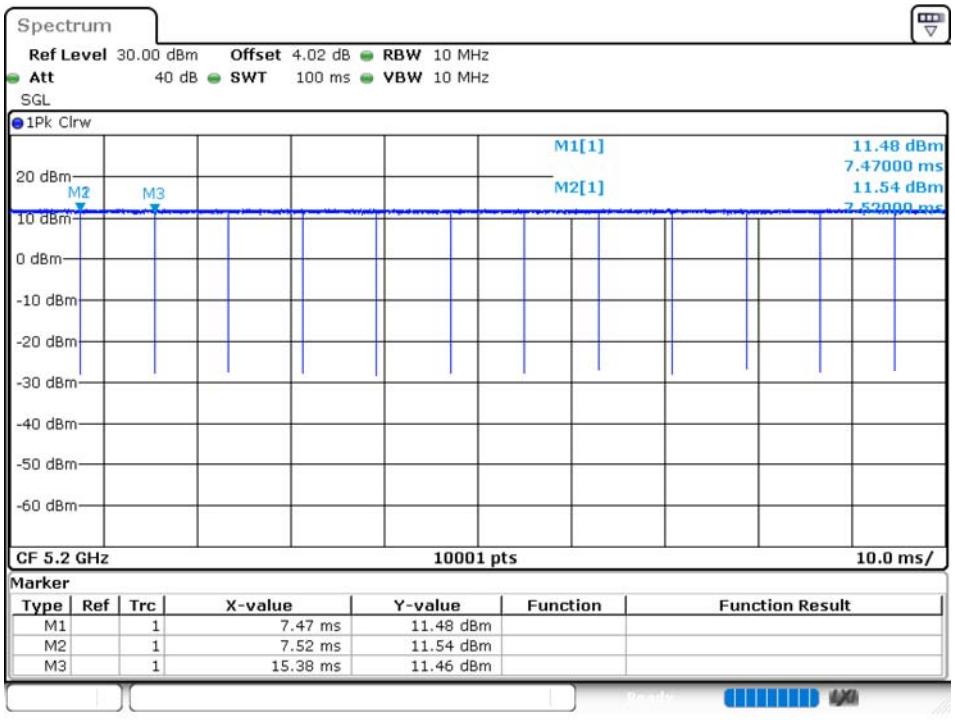
Duty Cycle NVNT ax160 5250MHz Sum



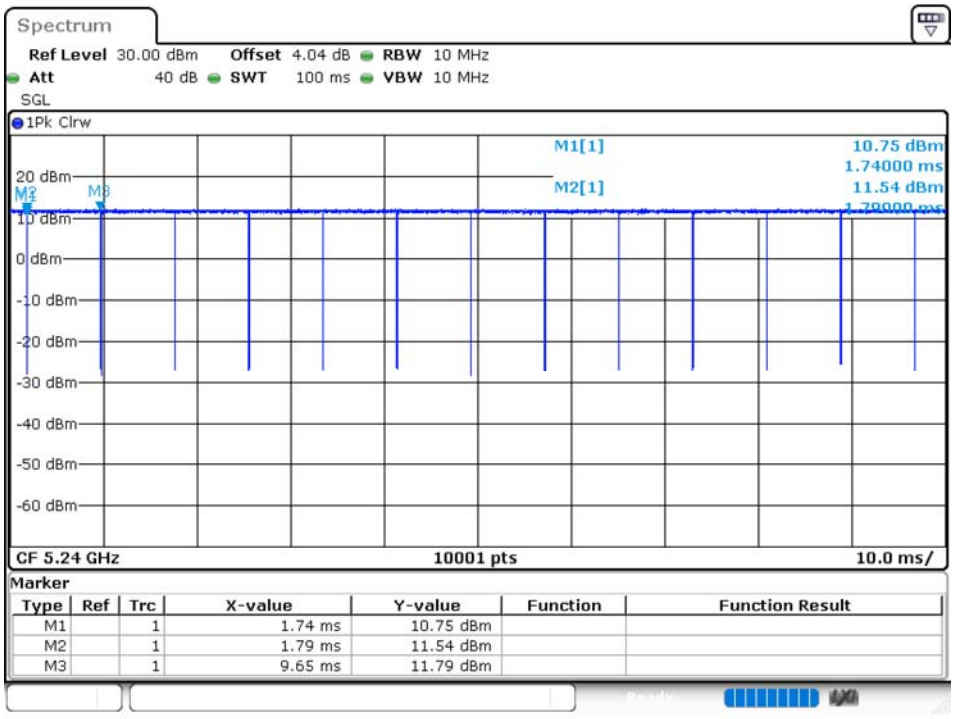
Duty Cycle NVNT ax20 5180MHz Sum



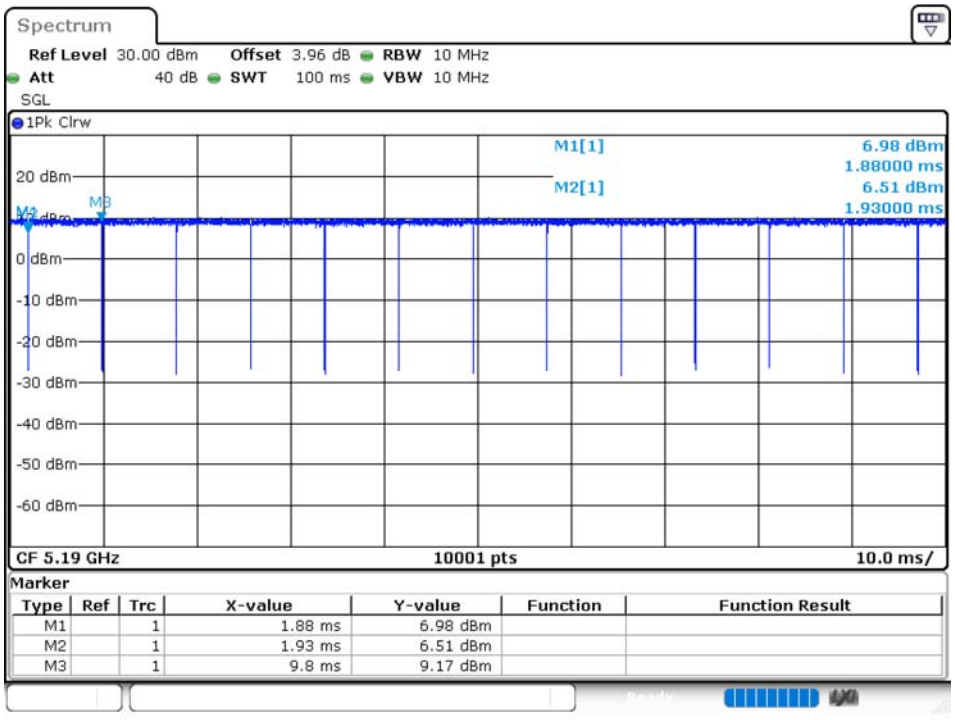
Duty Cycle NVNT ax20 5200MHz Sum



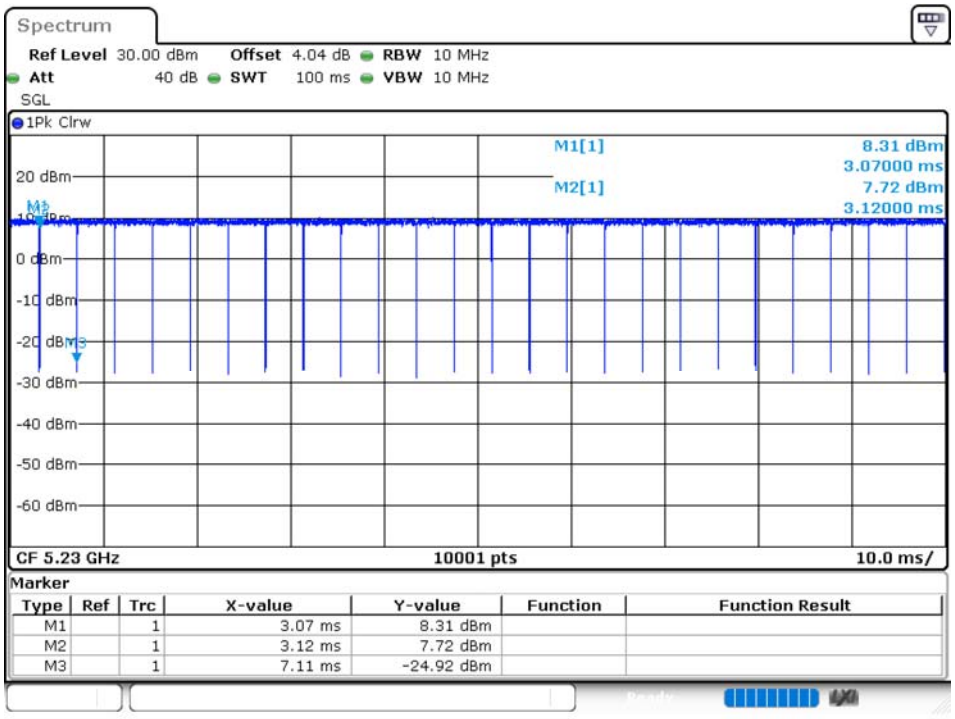
Duty Cycle NVNT ax20 5240MHz Sum



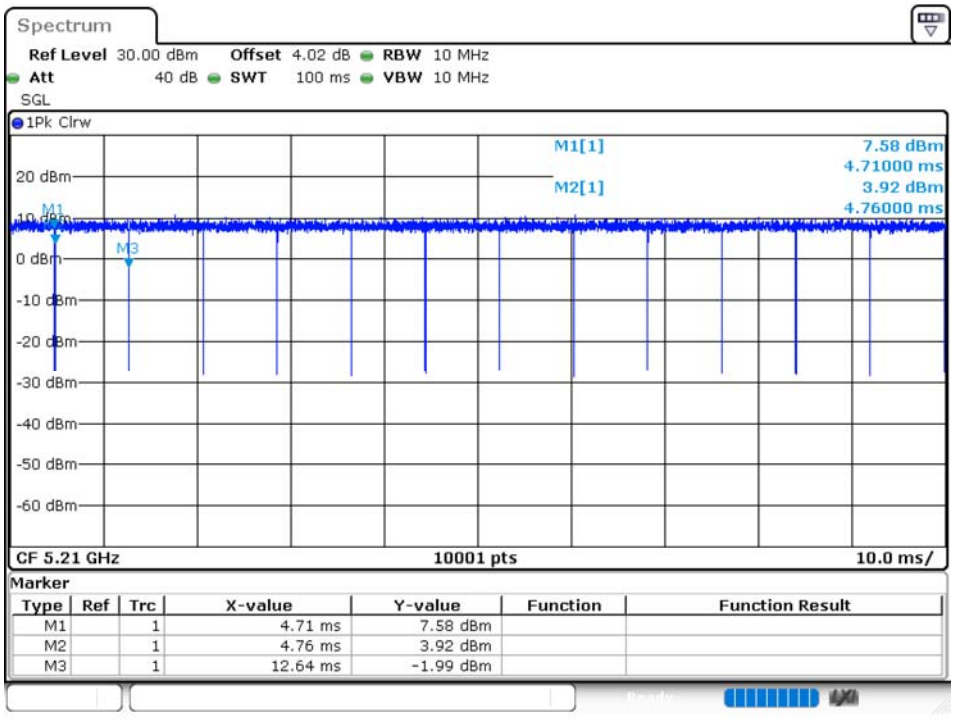
Duty Cycle NVNT ax40 5190MHz Sum



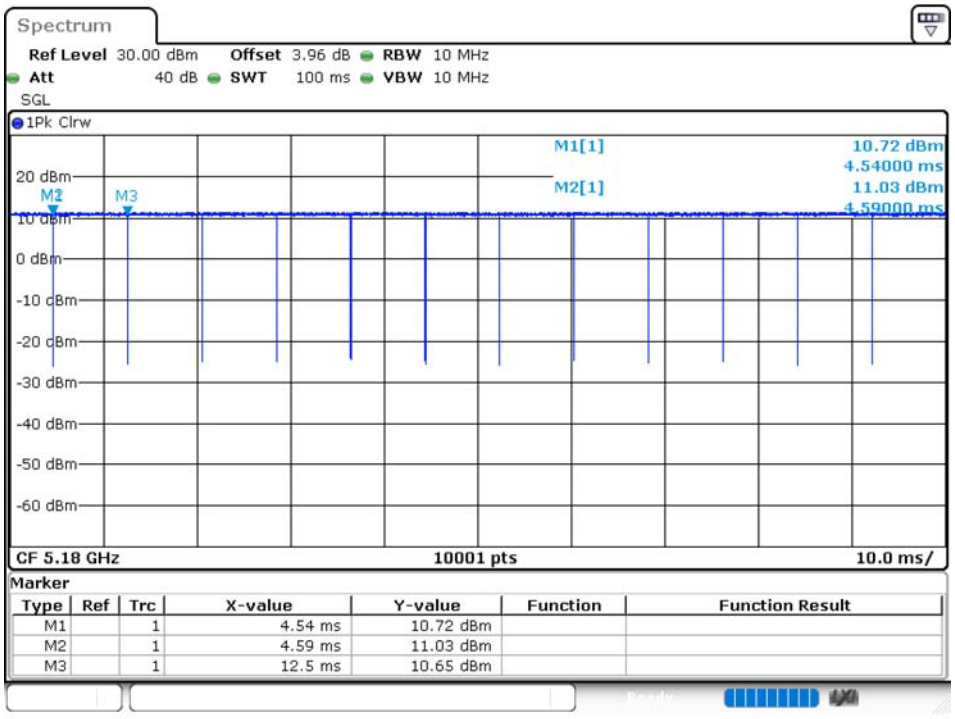
Duty Cycle NVNT ax40 5230MHz Sum



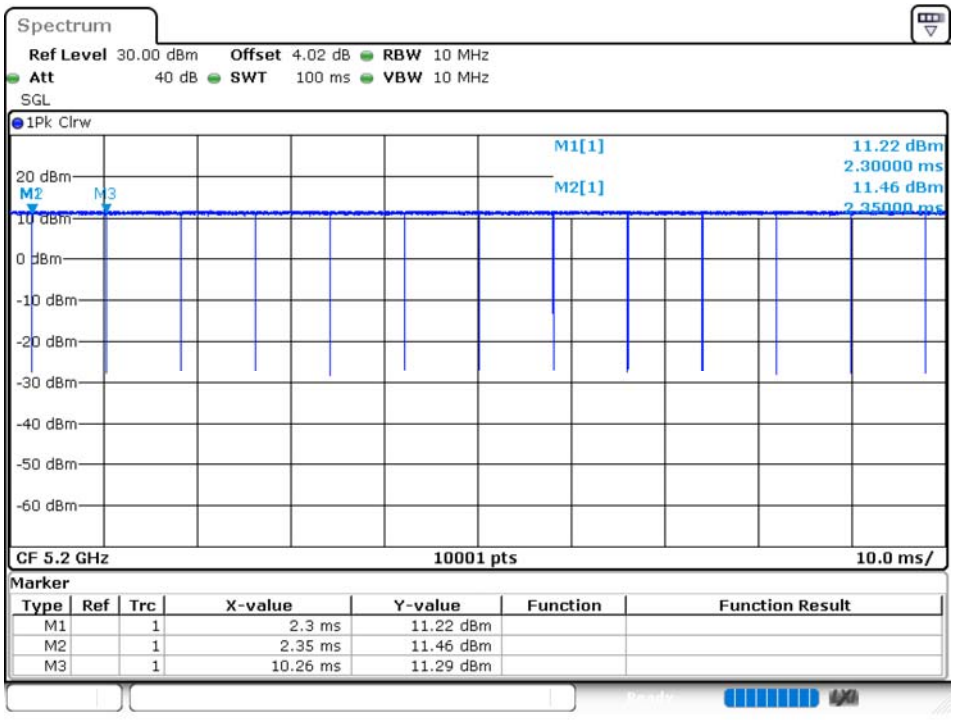
Duty Cycle NVNT ax80 5210MHz Sum



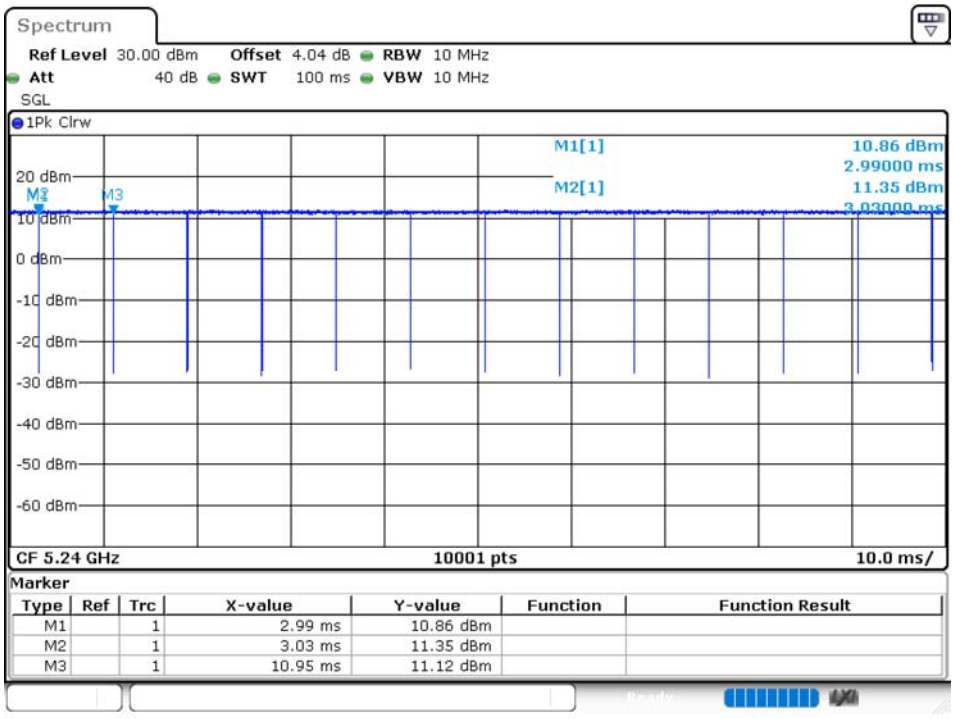
Duty Cycle NVNT n20 5180MHz Sum



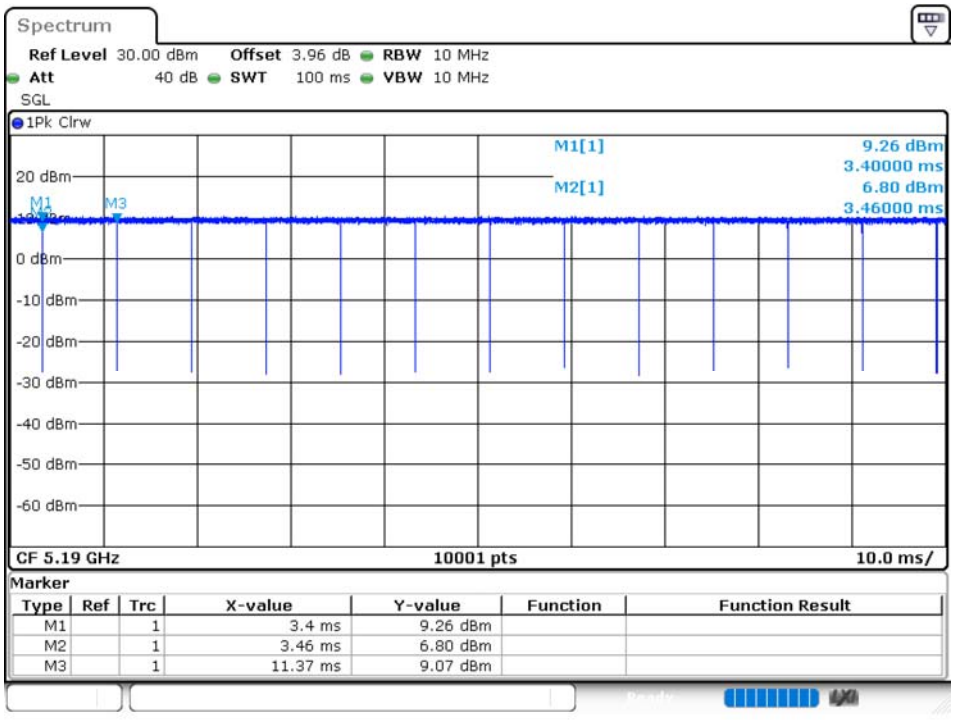
Duty Cycle NVNT n20 5200MHz Sum



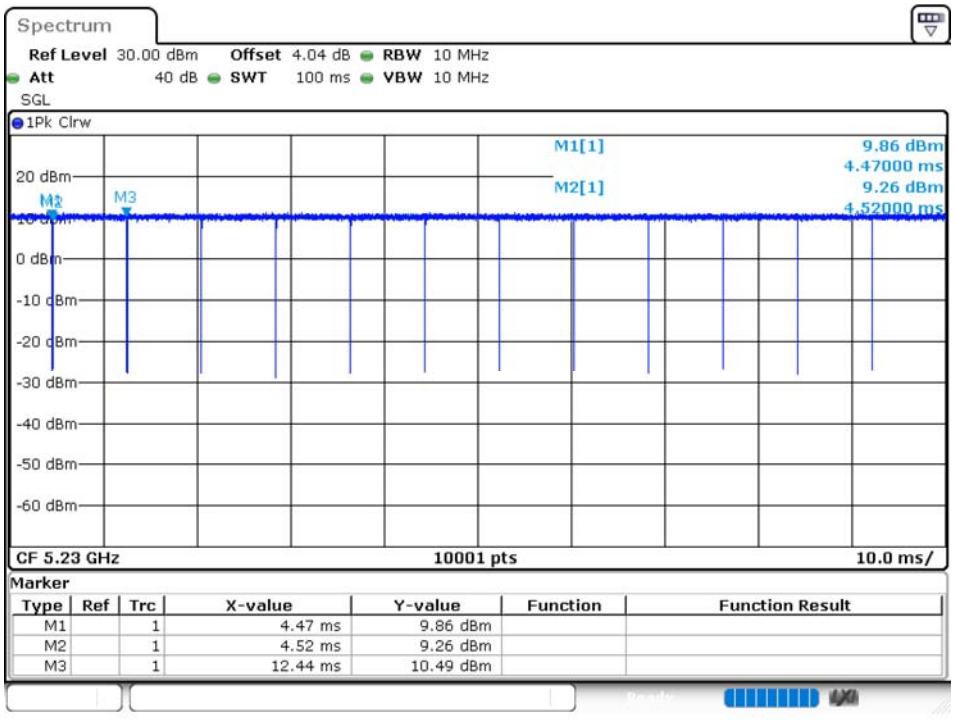
Duty Cycle NVNT n20 5240MHz Sum



Duty Cycle NVNT n40 5190MHz Sum



Duty Cycle NVNT n40 5230MHz Sum



Maximum Conducted Output Power

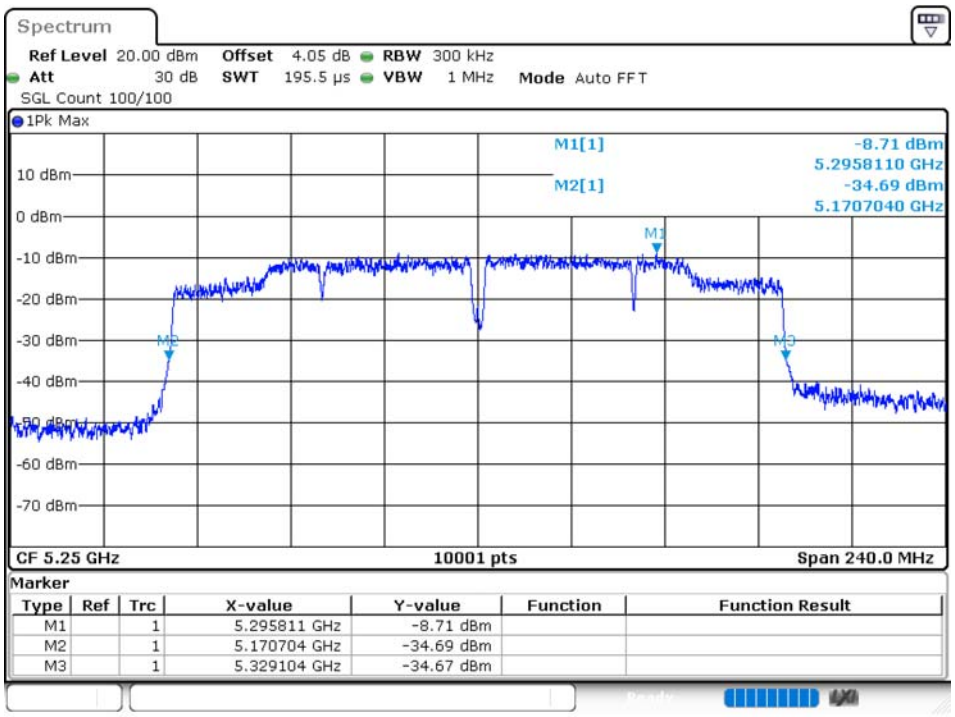
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	ac160	5250	Ant1	9.54	23.35	Pass
NVNT	ac160	5250	Ant2	10.32	23.35	Pass
NVNT	ac160	5250	Sum	12.96	23.35	Pass
NVNT	ac20	5180	Ant1	8.92	23.35	Pass
NVNT	ac20	5180	Ant2	9.3	23.35	Pass
NVNT	ac20	5180	Sum	12.12	23.35	Pass
NVNT	ac20	5200	Ant1	9.08	23.35	Pass
NVNT	ac20	5200	Ant2	9.38	23.35	Pass
NVNT	ac20	5200	Sum	12.24	23.35	Pass
NVNT	ac20	5240	Ant1	9.34	23.35	Pass
NVNT	ac20	5240	Ant2	9.32	23.35	Pass
NVNT	ac20	5240	Sum	12.34	23.35	Pass
NVNT	ac40	5190	Ant1	9.57	23.35	Pass
NVNT	ac40	5190	Ant2	9.88	23.35	Pass
NVNT	ac40	5190	Sum	12.74	23.35	Pass
NVNT	ac40	5230	Ant1	9.98	23.35	Pass
NVNT	ac40	5230	Ant2	9.8	23.35	Pass
NVNT	ac40	5230	Sum	12.9	23.35	Pass
NVNT	ac80	5210	Ant1	9.52	23.35	Pass
NVNT	ac80	5210	Ant2	9.91	23.35	Pass
NVNT	ac80	5210	Sum	12.73	23.35	Pass
NVNT	ax160	5250	Ant1	9.58	23.35	Pass
NVNT	ax160	5250	Ant2	10.32	23.35	Pass
NVNT	ax160	5250	Sum	12.98	23.35	Pass
NVNT	ax20	5180	Ant1	9.12	23.35	Pass
NVNT	ax20	5180	Ant2	9.51	23.35	Pass
NVNT	ax20	5180	Sum	12.33	23.35	Pass
NVNT	ax20	5200	Ant1	9.29	23.35	Pass
NVNT	ax20	5200	Ant2	9.59	23.35	Pass
NVNT	ax20	5200	Sum	12.45	23.35	Pass
NVNT	ax20	5240	Ant1	9.55	23.35	Pass
NVNT	ax20	5240	Ant2	9.46	23.35	Pass
NVNT	ax20	5240	Sum	12.52	23.35	Pass
NVNT	ax40	5190	Ant1	9.3	23.35	Pass
NVNT	ax40	5190	Ant2	9.64	23.35	Pass
NVNT	ax40	5190	Sum	12.48	23.35	Pass
NVNT	ax40	5230	Ant1	9.7	23.35	Pass
NVNT	ax40	5230	Ant2	9.64	23.35	Pass
NVNT	ax40	5230	Sum	12.68	23.35	Pass
NVNT	ax80	5210	Ant1	9.49	23.35	Pass

NVNT	ax80	5210	Ant2	9.6	23.35	Pass
NVNT	ax80	5210	Sum	12.56	23.35	Pass
NVNT	n20	5180	Ant1	8.96	23.35	Pass
NVNT	n20	5180	Ant2	9.41	23.35	Pass
NVNT	n20	5180	Sum	12.2	23.35	Pass
NVNT	n20	5200	Ant1	9.14	23.35	Pass
NVNT	n20	5200	Ant2	9.4	23.35	Pass
NVNT	n20	5200	Sum	12.28	23.35	Pass
NVNT	n20	5240	Ant1	9.34	23.35	Pass
NVNT	n20	5240	Ant2	9.37	23.35	Pass
NVNT	n20	5240	Sum	12.37	23.35	Pass
NVNT	n40	5190	Ant1	9.61	23.35	Pass
NVNT	n40	5190	Ant2	9.84	23.35	Pass
NVNT	n40	5190	Sum	12.74	23.35	Pass
NVNT	n40	5230	Ant1	9.75	23.35	Pass
NVNT	n40	5230	Ant2	9.8	23.35	Pass
NVNT	n40	5230	Sum	12.79	23.35	Pass

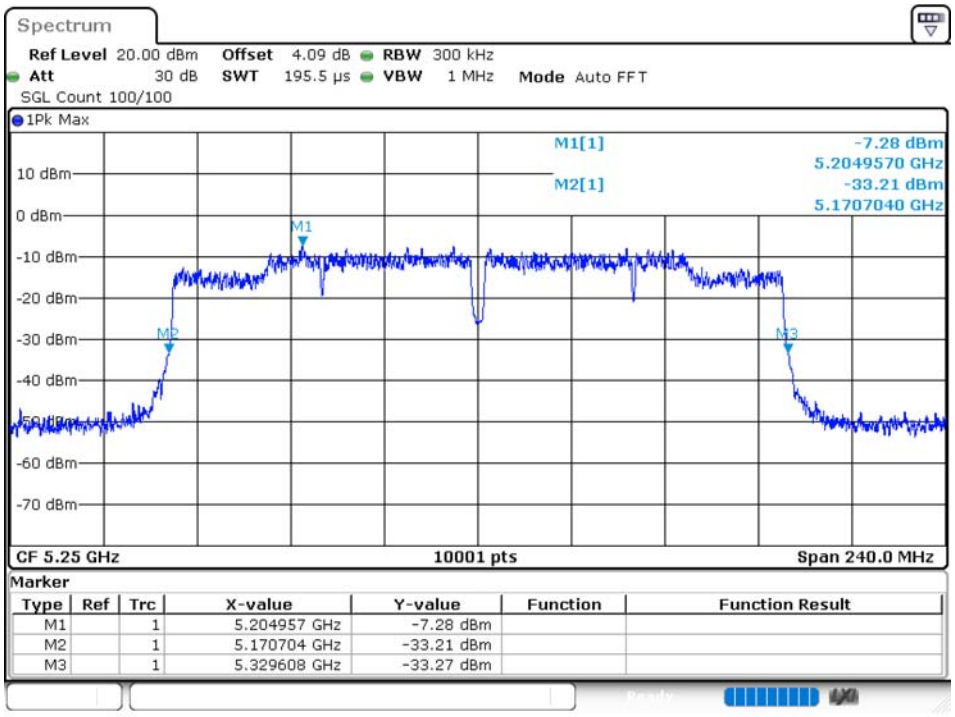
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	ac160	5250	Ant1	158.4	Pass
NVNT	ac160	5250	Ant2	158.904	Pass
NVNT	ac20	5180	Ant1	22.128	Pass
NVNT	ac20	5180	Ant2	22.371	Pass
NVNT	ac20	5200	Ant1	23.901	Pass
NVNT	ac20	5200	Ant2	22.917	Pass
NVNT	ac20	5240	Ant1	25.08	Pass
NVNT	ac20	5240	Ant2	24.723	Pass
NVNT	ac40	5190	Ant1	42.366	Pass
NVNT	ac40	5190	Ant2	42.468	Pass
NVNT	ac40	5230	Ant1	42.702	Pass
NVNT	ac40	5230	Ant2	42.654	Pass
NVNT	ac80	5210	Ant1	84.744	Pass
NVNT	ac80	5210	Ant2	84.216	Pass
NVNT	ax160	5250	Ant1	159.504	Pass
NVNT	ax160	5250	Ant2	159.336	Pass
NVNT	ax20	5180	Ant1	23.67	Pass
NVNT	ax20	5180	Ant2	21.807	Pass
NVNT	ax20	5200	Ant1	22.59	Pass
NVNT	ax20	5200	Ant2	23.181	Pass
NVNT	ax20	5240	Ant1	24.204	Pass
NVNT	ax20	5240	Ant2	21.882	Pass
NVNT	ax40	5190	Ant1	41.754	Pass
NVNT	ax40	5190	Ant2	43.98	Pass
NVNT	ax40	5230	Ant1	42.036	Pass
NVNT	ax40	5230	Ant2	43.98	Pass
NVNT	ax80	5210	Ant1	82.944	Pass
NVNT	ax80	5210	Ant2	83.88	Pass
NVNT	n20	5180	Ant1	23.58	Pass
NVNT	n20	5180	Ant2	24.138	Pass
NVNT	n20	5200	Ant1	22.341	Pass
NVNT	n20	5200	Ant2	23.343	Pass
NVNT	n20	5240	Ant1	24.597	Pass
NVNT	n20	5240	Ant2	23.094	Pass
NVNT	n40	5190	Ant1	42.096	Pass
NVNT	n40	5190	Ant2	43.536	Pass
NVNT	n40	5230	Ant1	43.392	Pass
NVNT	n40	5230	Ant2	43.896	Pass

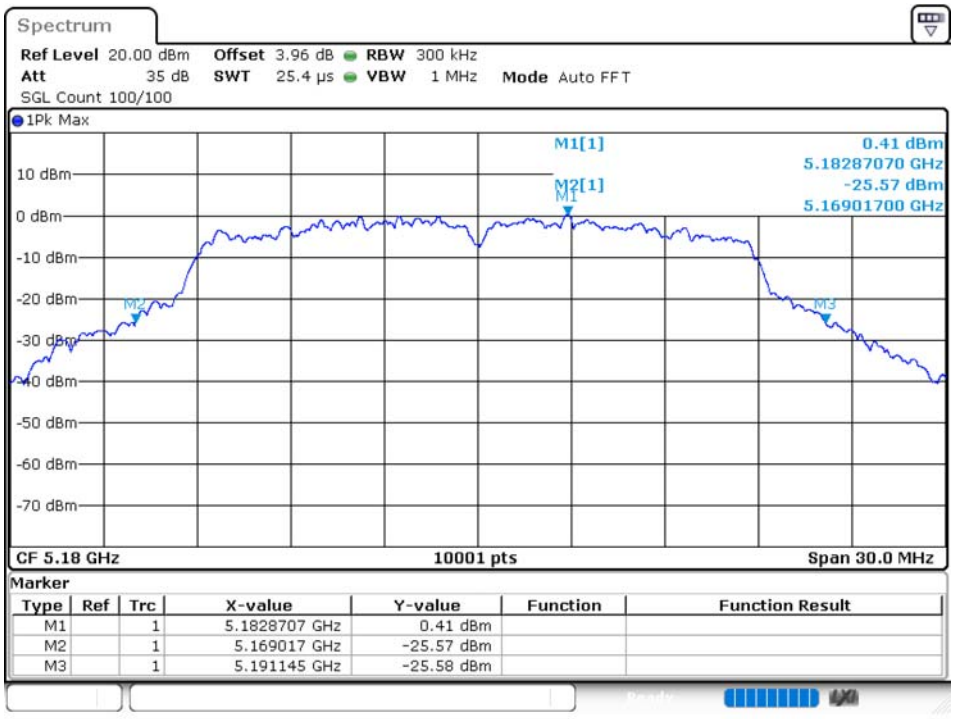
Test Graphs
-26dB Bandwidth NVNT ac160 5250MHz Ant1



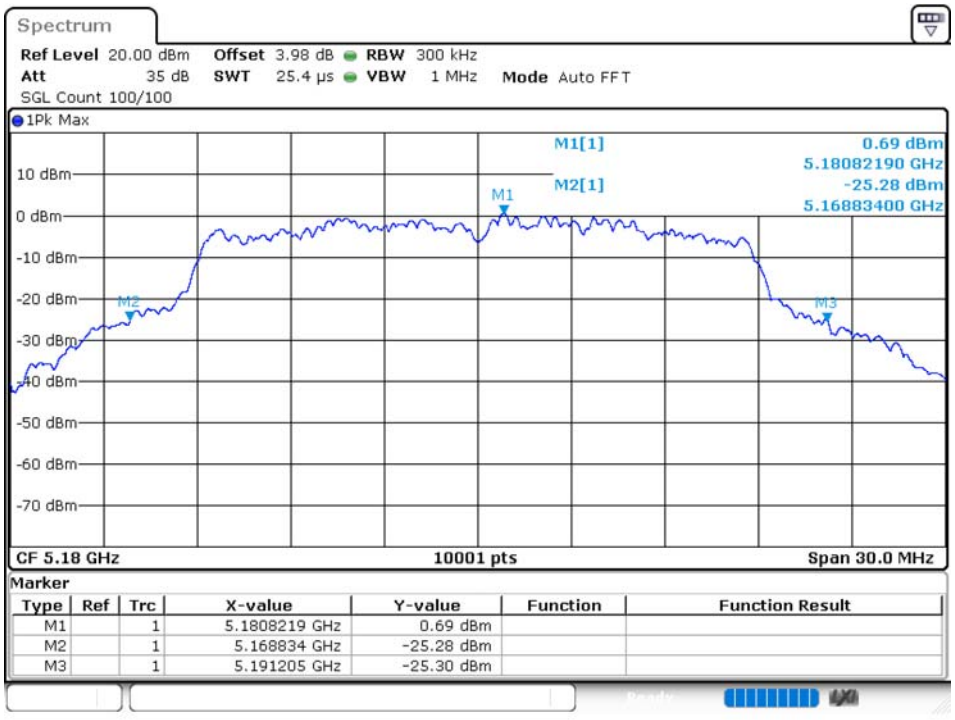
-26dB Bandwidth NVNT ac160 5250MHz Ant2



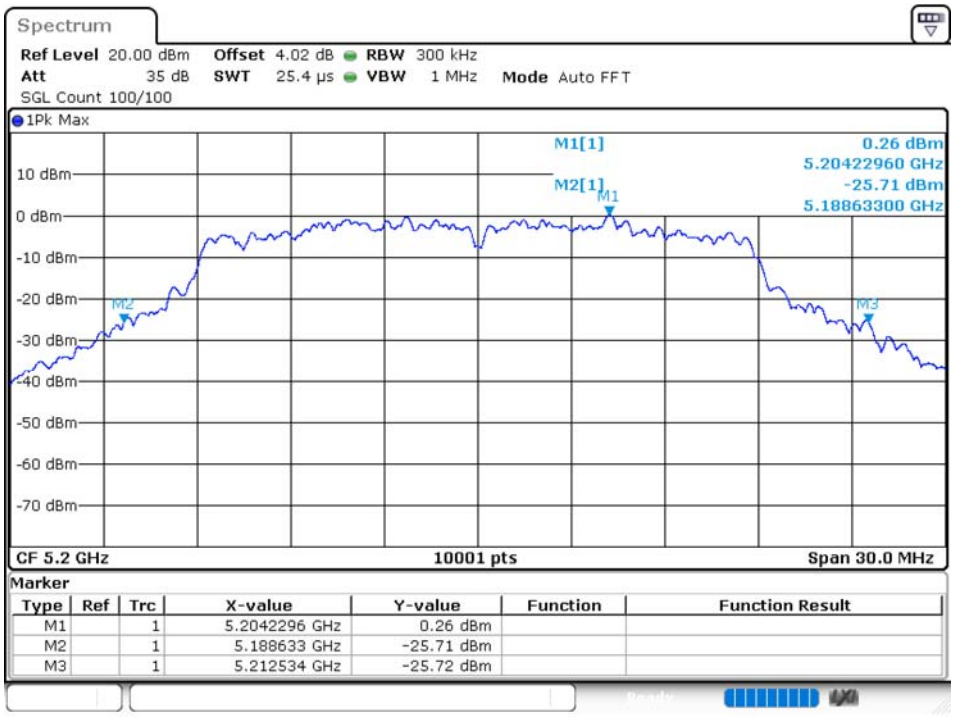
-26dB Bandwidth NVNT ac20 5180MHz Ant1



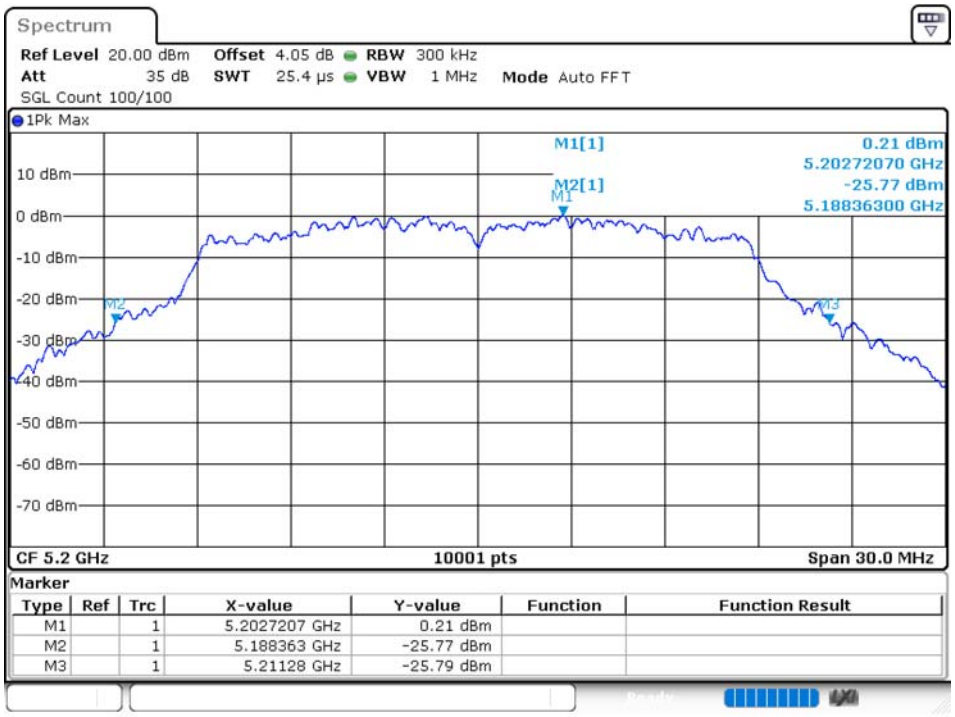
-26dB Bandwidth NVNT ac20 5180MHz Ant2



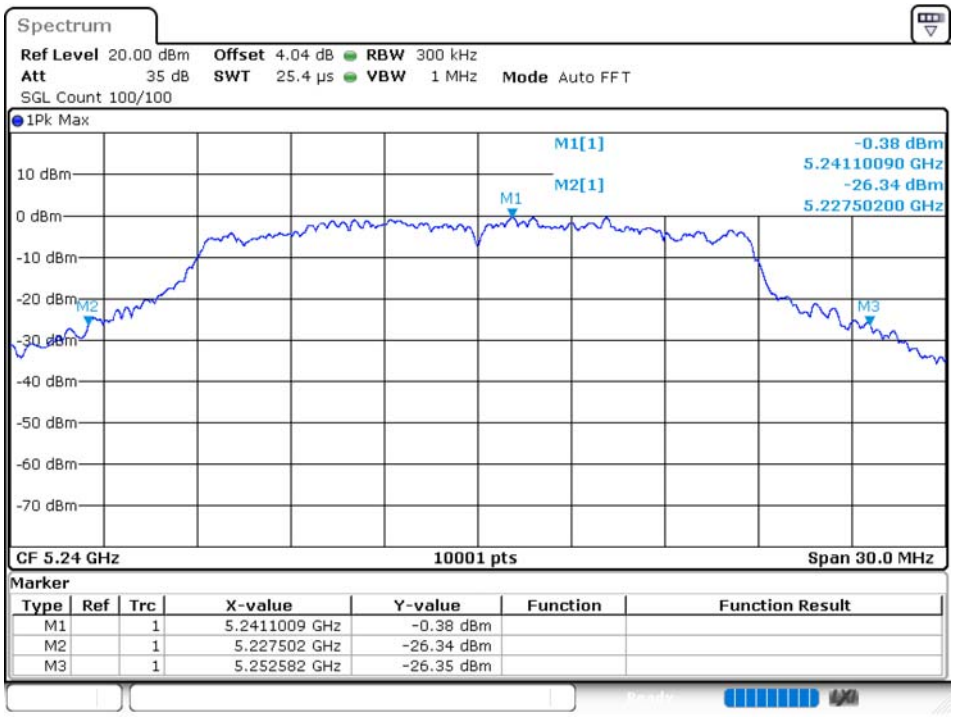
-26dB Bandwidth NVNT ac20 5200MHz Ant1



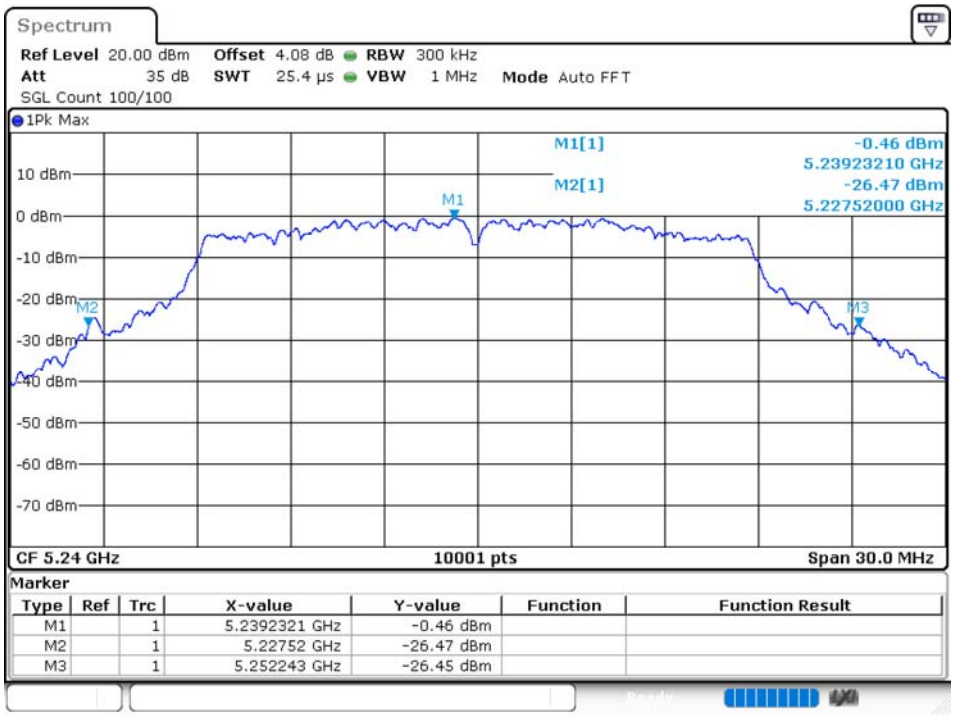
-26dB Bandwidth NVNT ac20 5200MHz Ant2



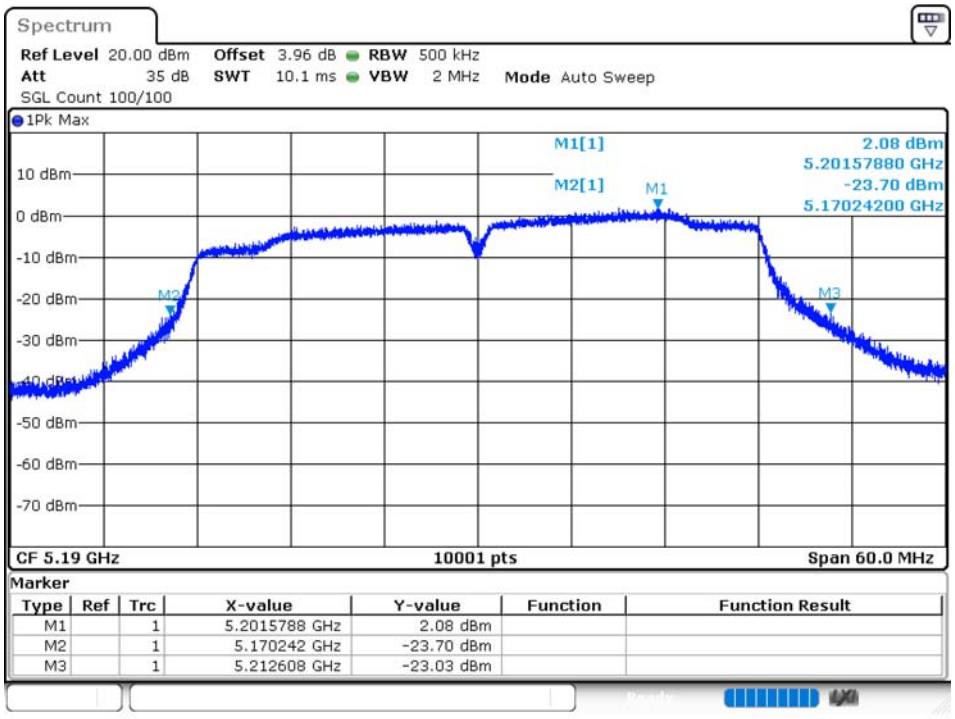
-26dB Bandwidth NVNT ac20 5240MHz Ant1



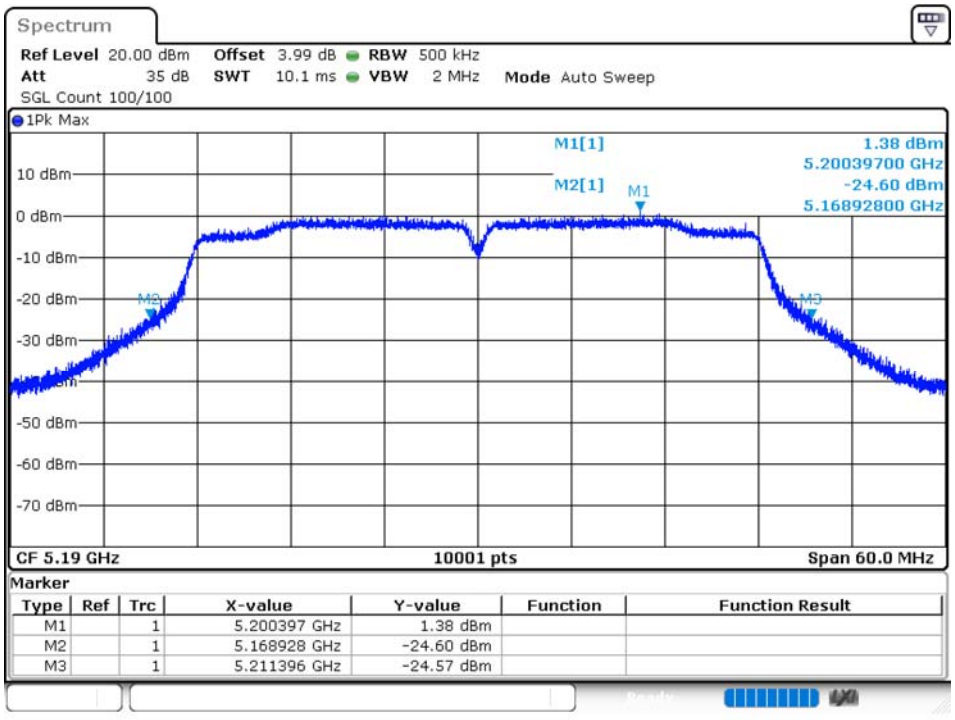
-26dB Bandwidth NVNT ac20 5240MHz Ant2



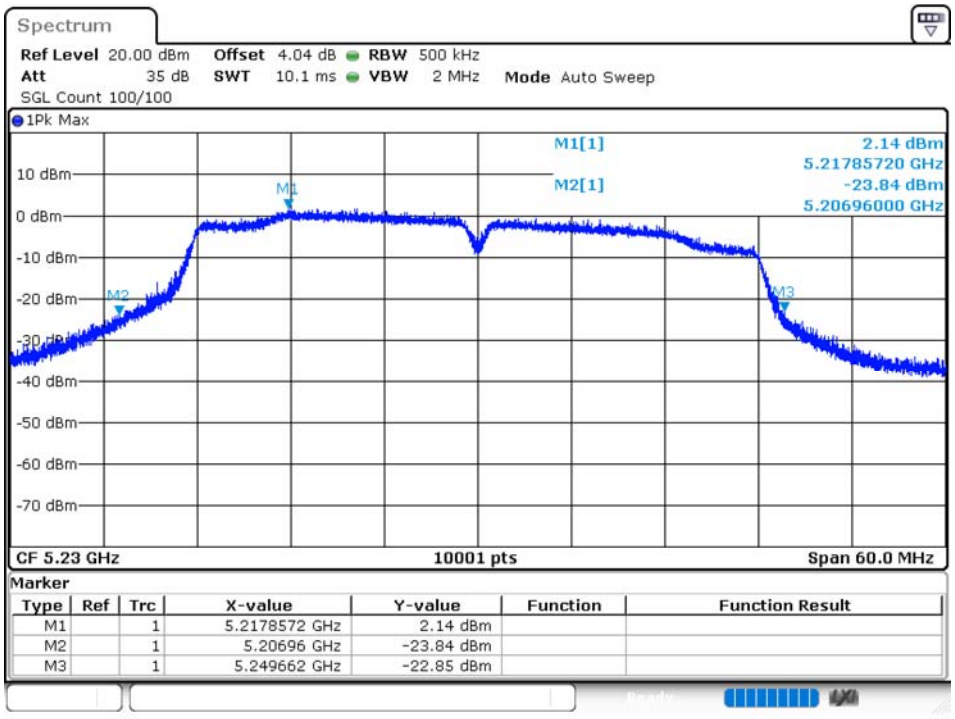
-26dB Bandwidth NVNT ac40 5190MHz Ant1



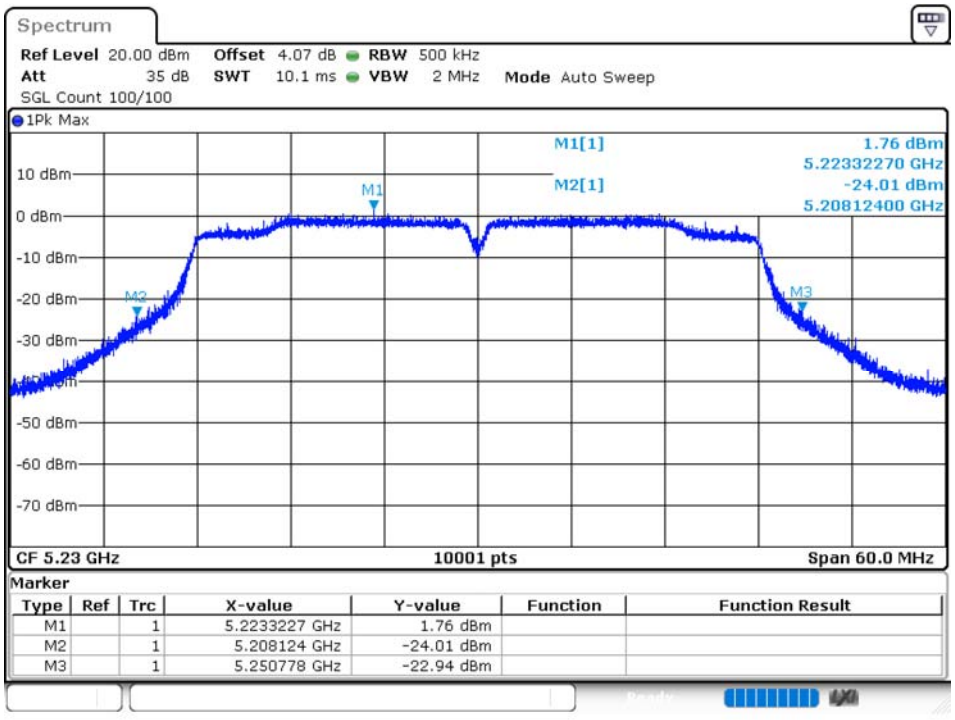
-26dB Bandwidth NVNT ac40 5190MHz Ant2



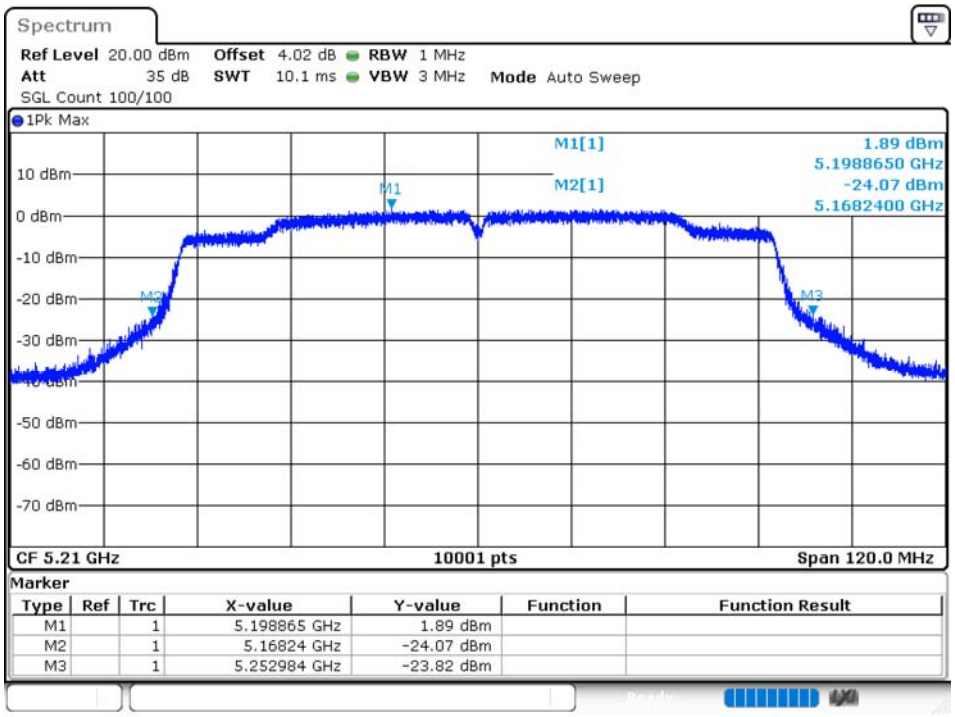
-26dB Bandwidth NVNT ac40 5230MHz Ant1



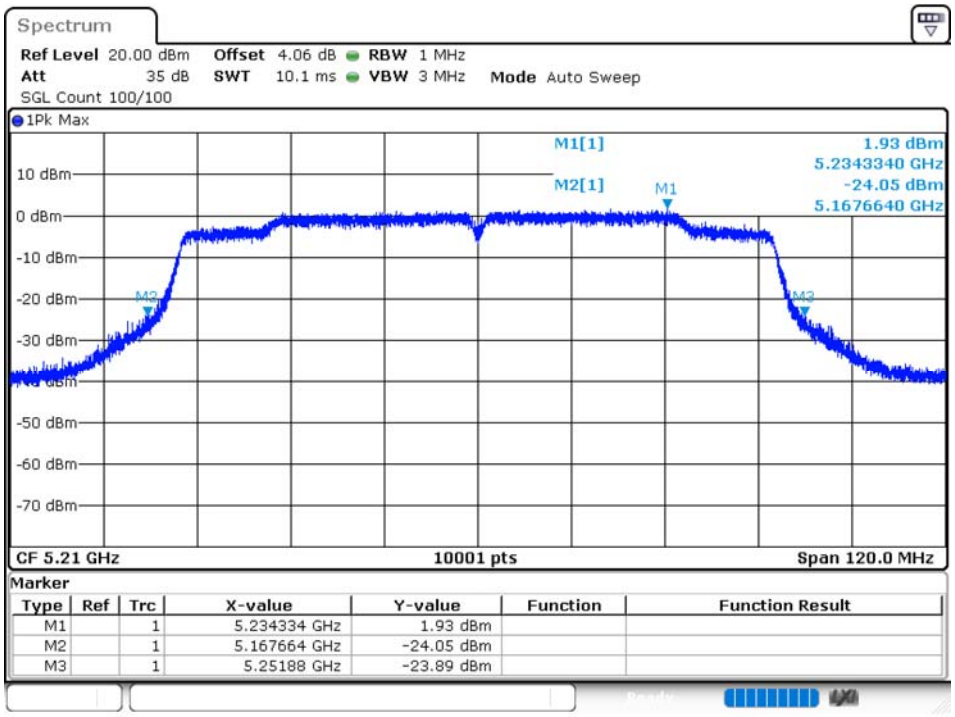
-26dB Bandwidth NVNT ac40 5230MHz Ant2



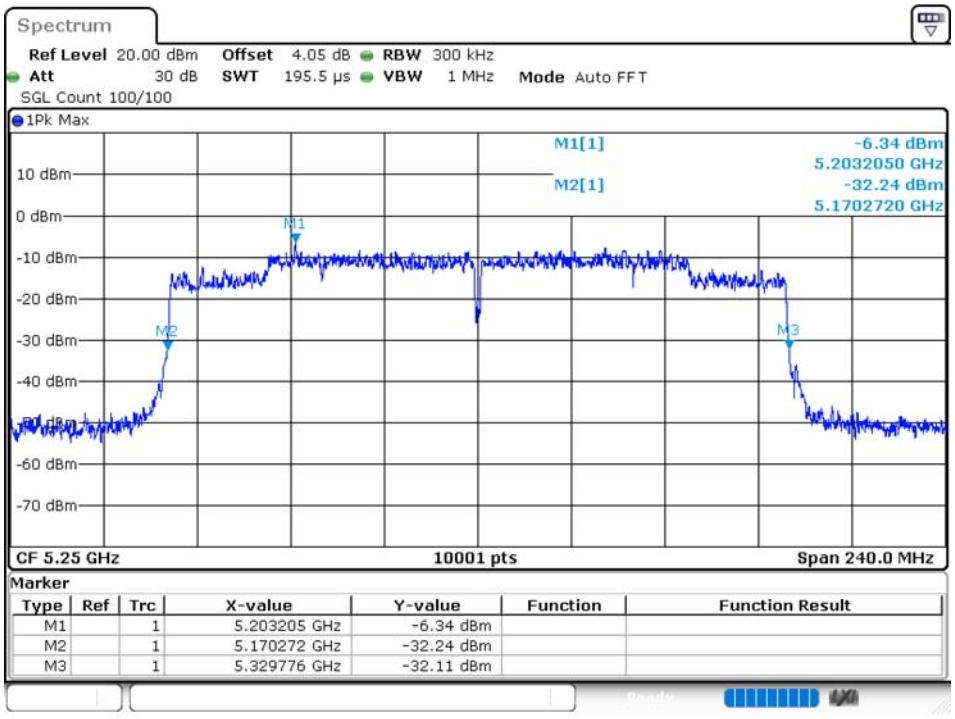
-26dB Bandwidth NVNT ac80 5210MHz Ant1



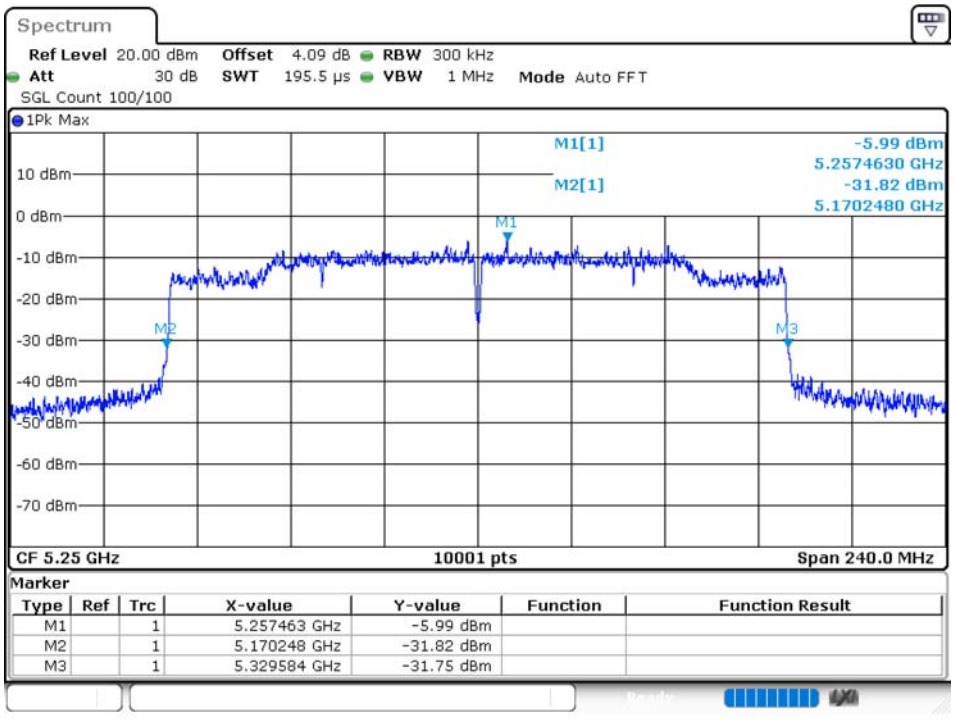
-26dB Bandwidth NVNT ac80 5210MHz Ant2



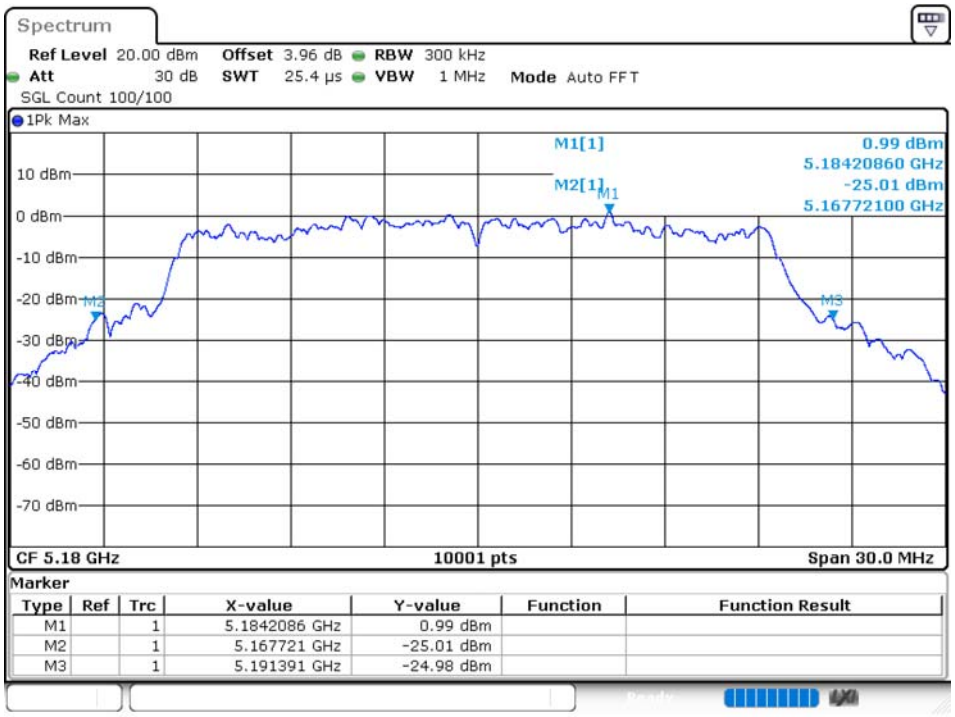
-26dB Bandwidth NVNT ax160 5250MHz Ant1



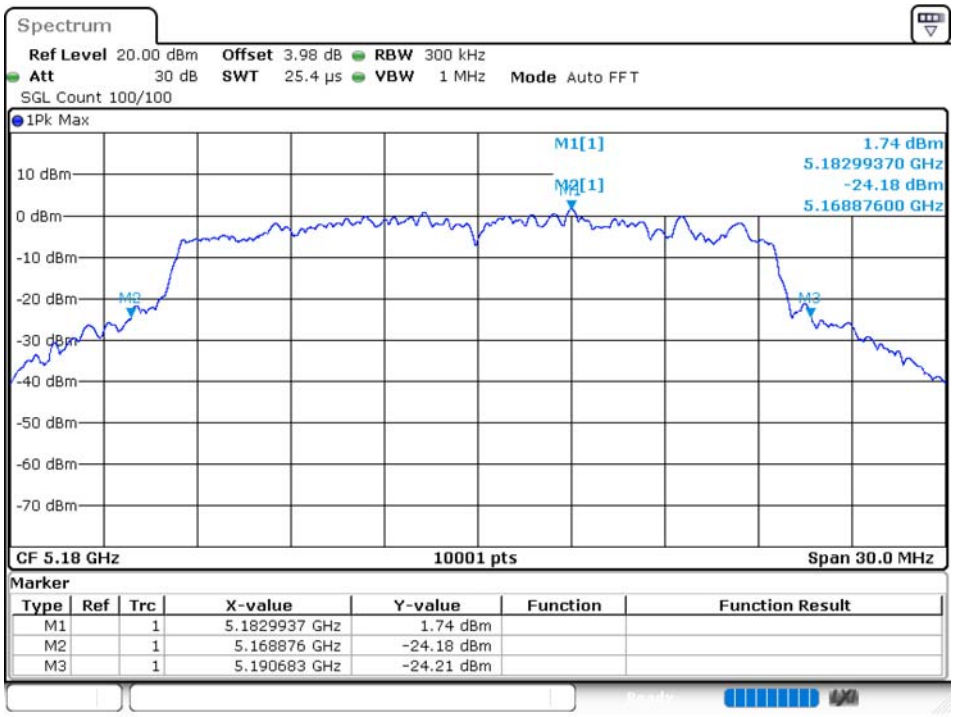
-26dB Bandwidth NVNT ax160 5250MHz Ant2



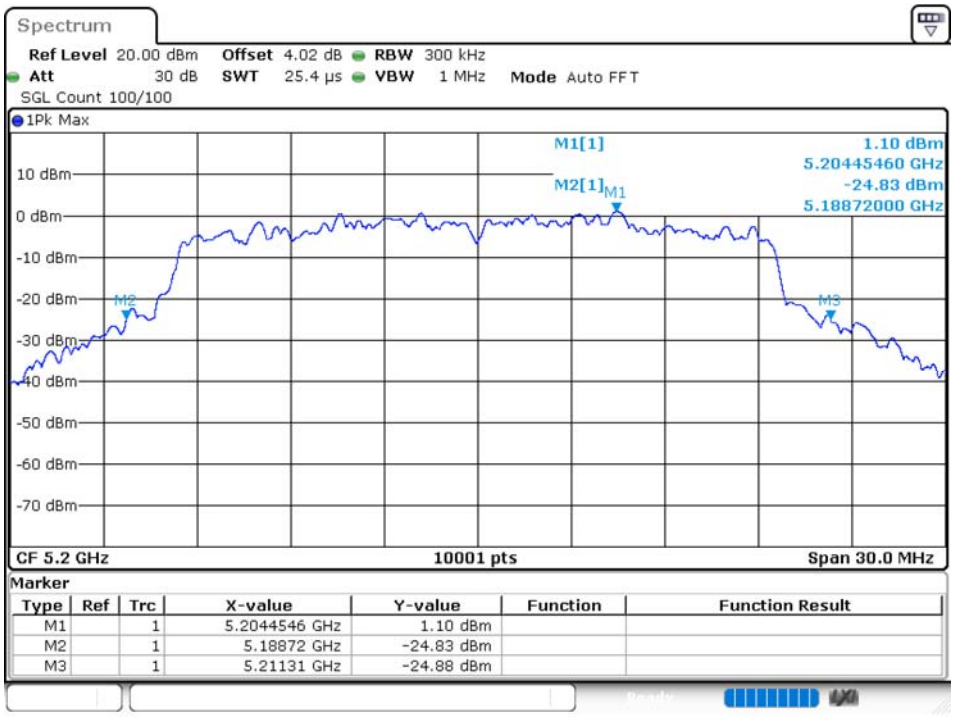
-26dB Bandwidth NVNT ax20 5180MHz Ant1



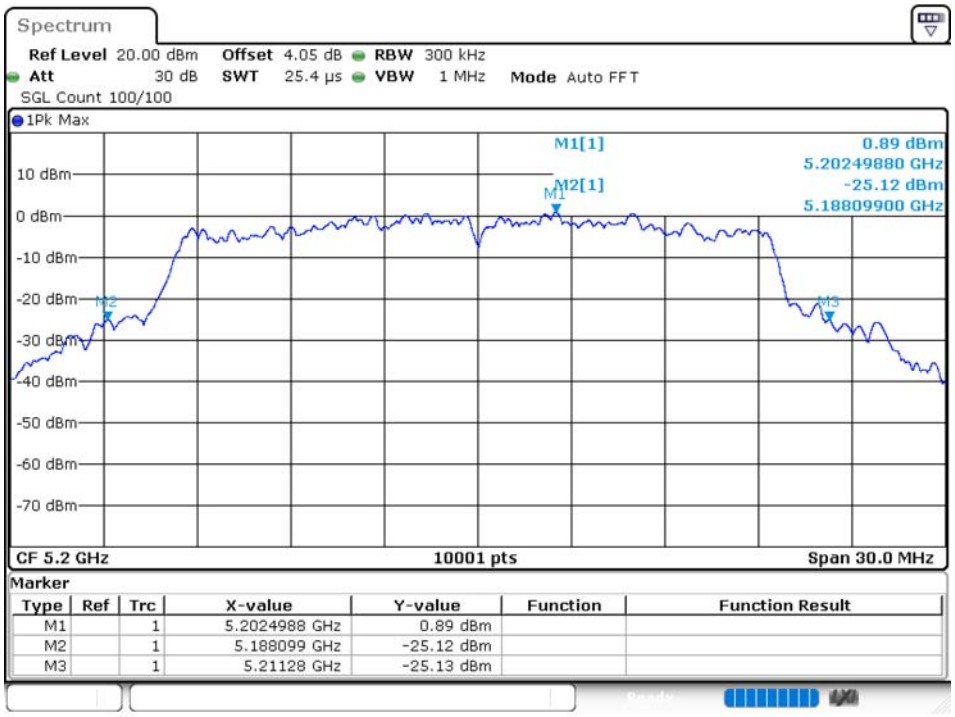
-26dB Bandwidth NVNT ax20 5180MHz Ant2



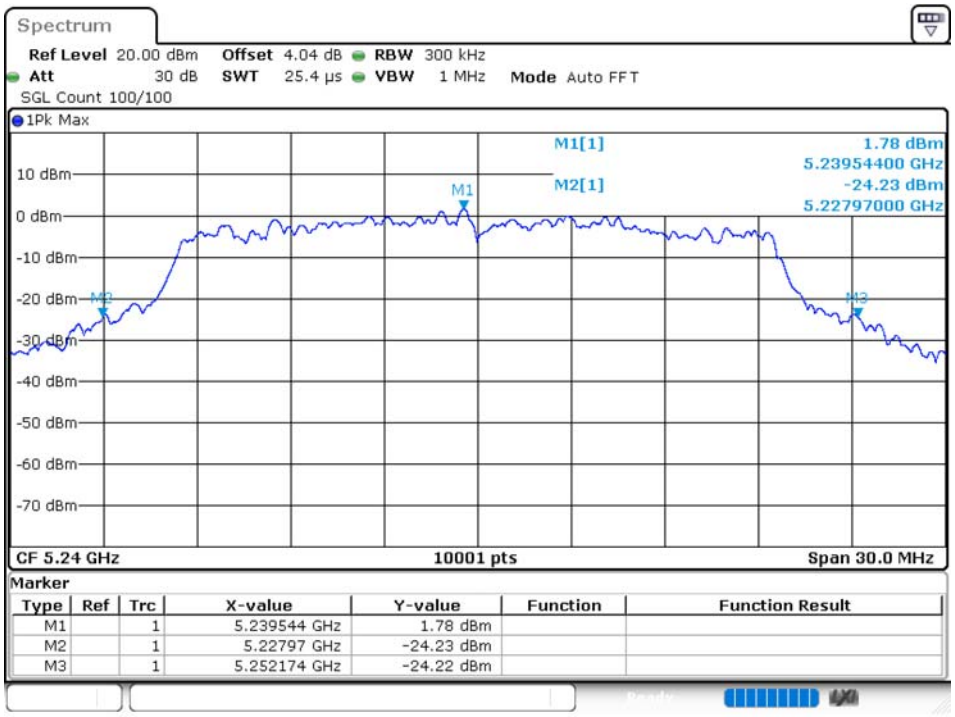
-26dB Bandwidth NVNT ax20 5200MHz Ant1



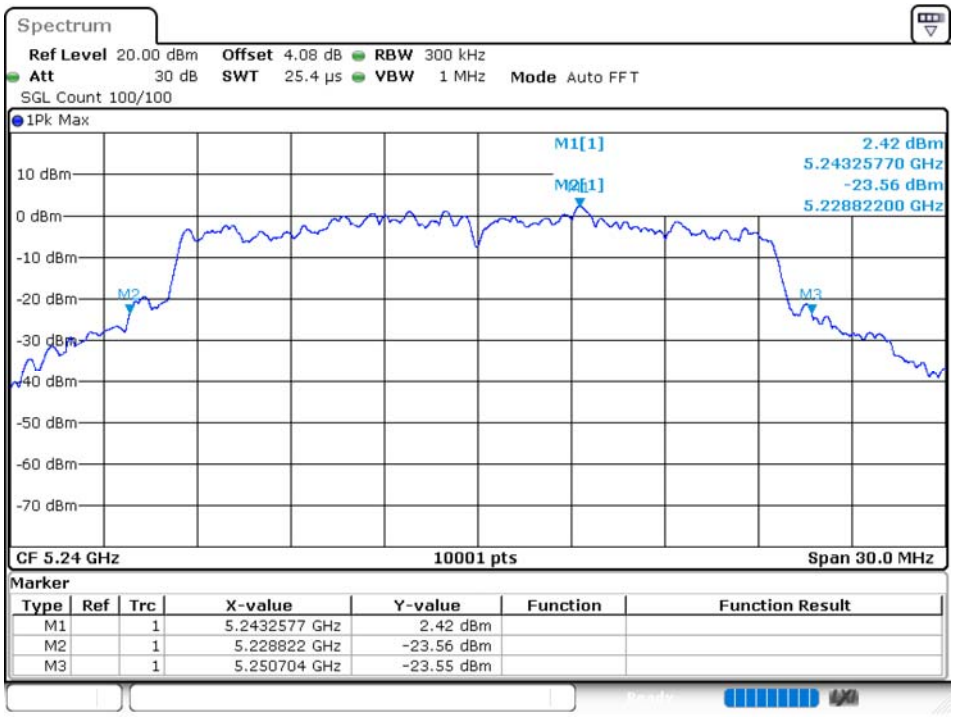
-26dB Bandwidth NVNT ax20 5200MHz Ant2



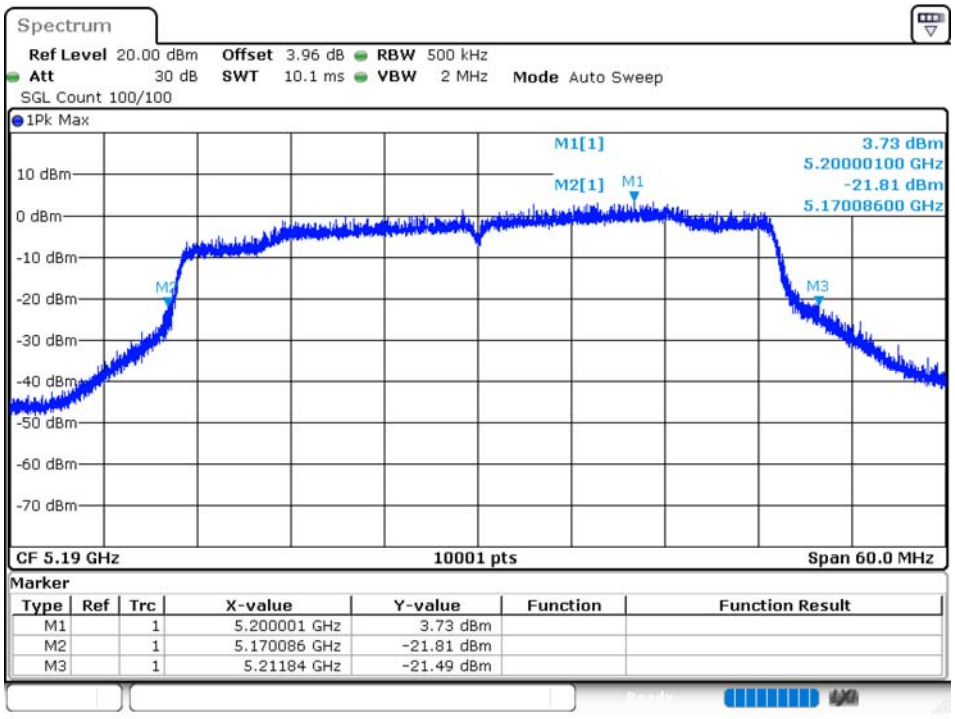
-26dB Bandwidth NVNT ax20 5240MHz Ant1



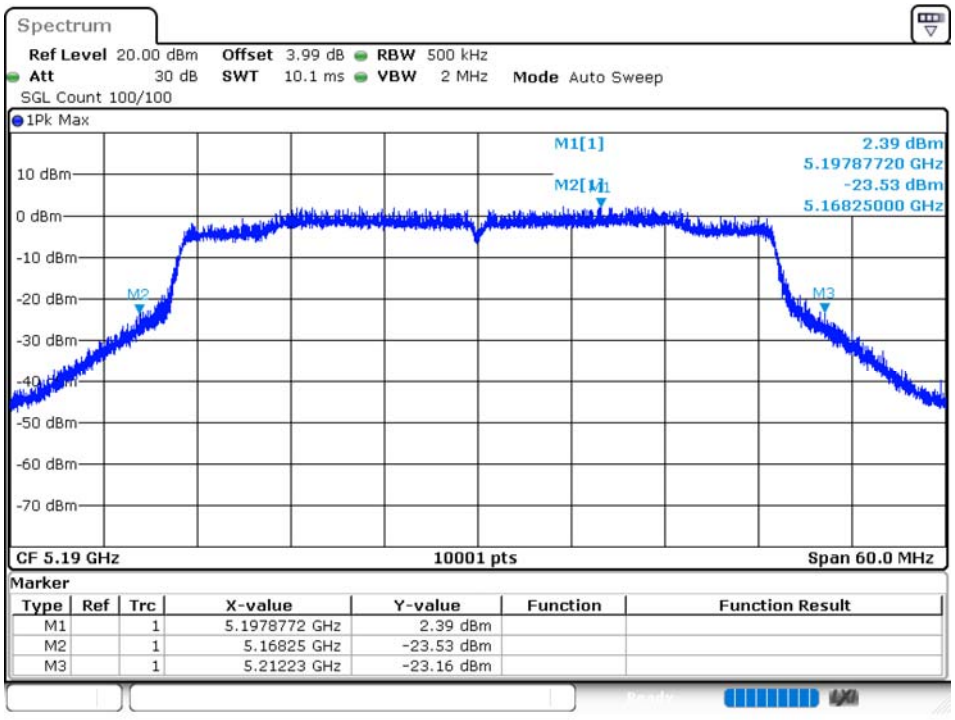
-26dB Bandwidth NVNT ax20 5240MHz Ant2



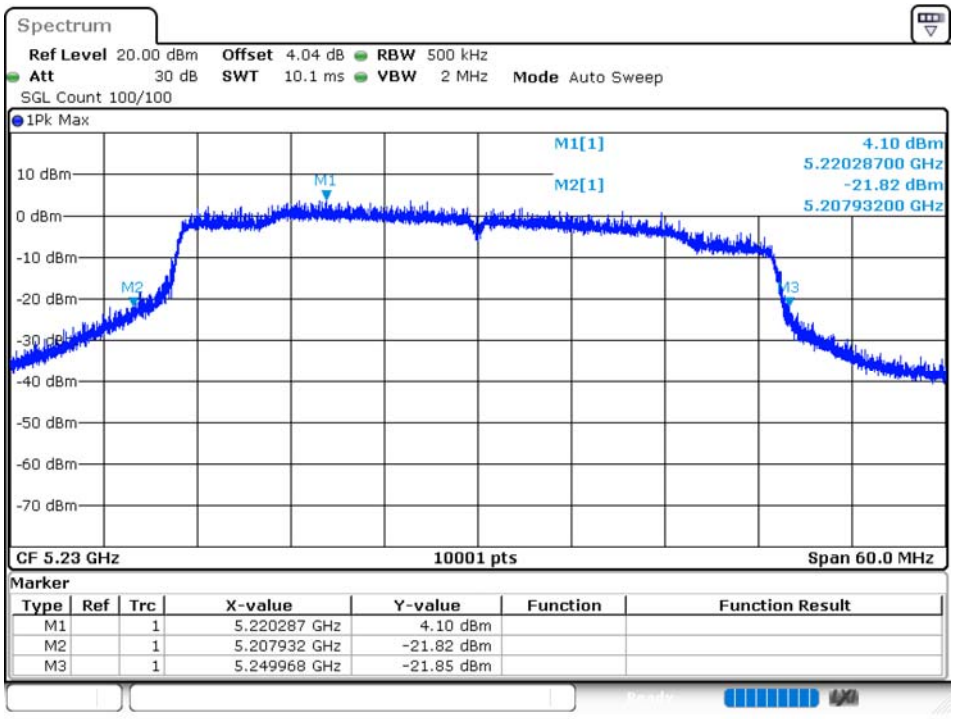
-26dB Bandwidth NVNT ax40 5190MHz Ant1



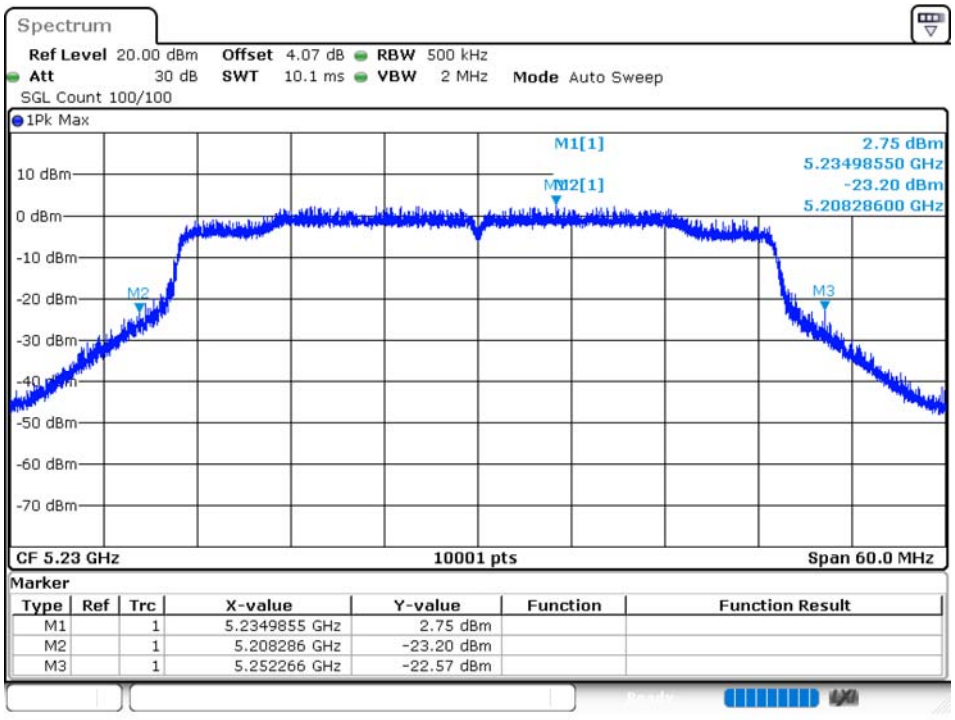
-26dB Bandwidth NVNT ax40 5190MHz Ant2



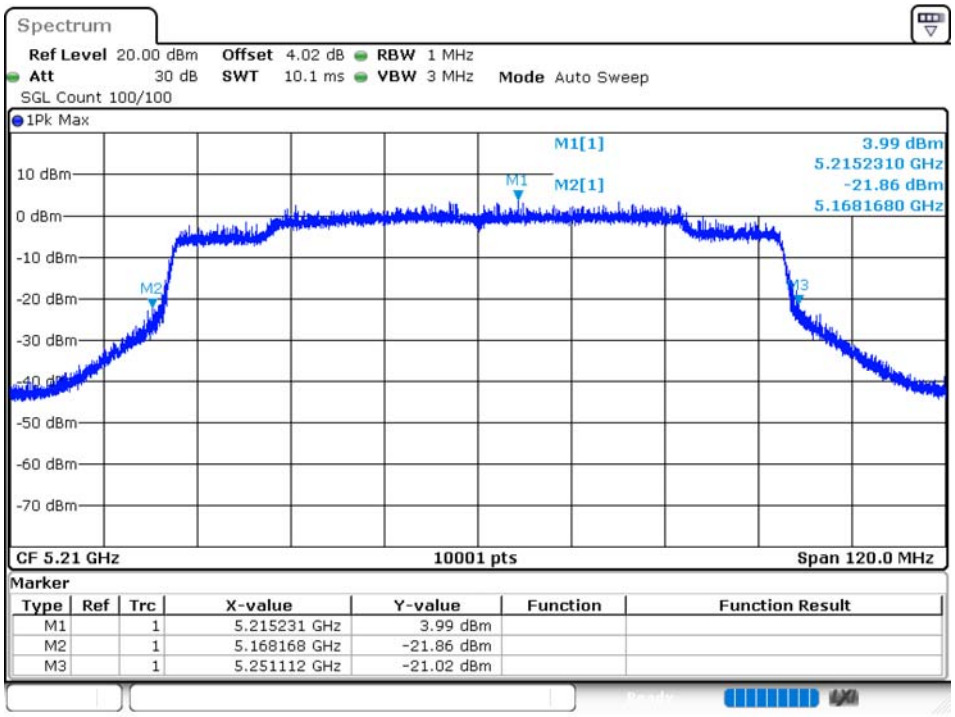
-26dB Bandwidth NVNT ax40 5230MHz Ant1



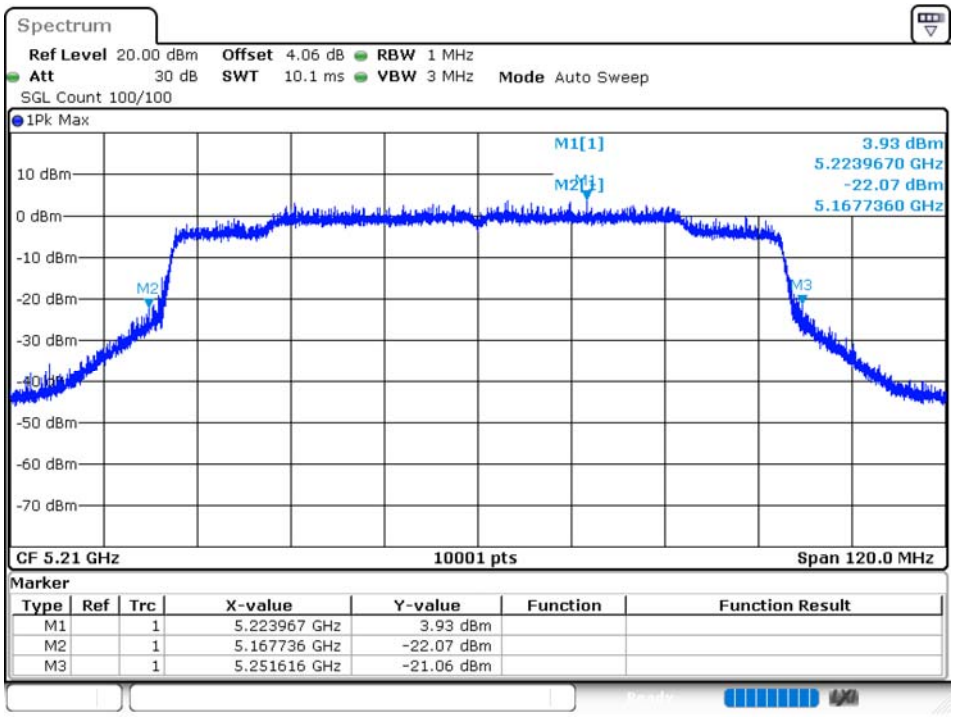
-26dB Bandwidth NVNT ax40 5230MHz Ant2



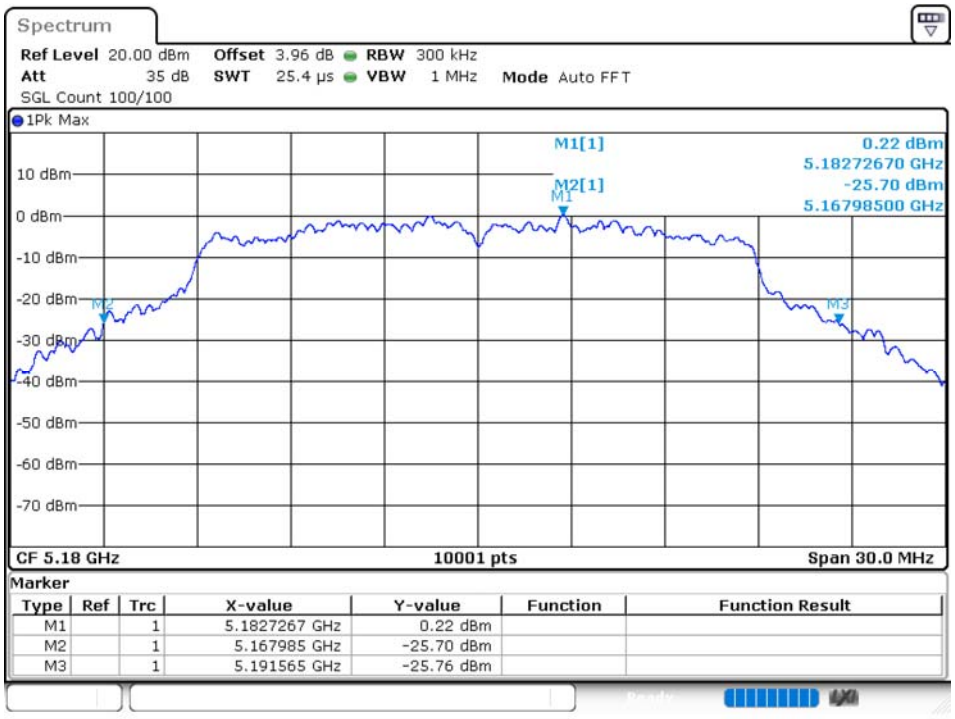
-26dB Bandwidth NVNT ax80 5210MHz Ant1



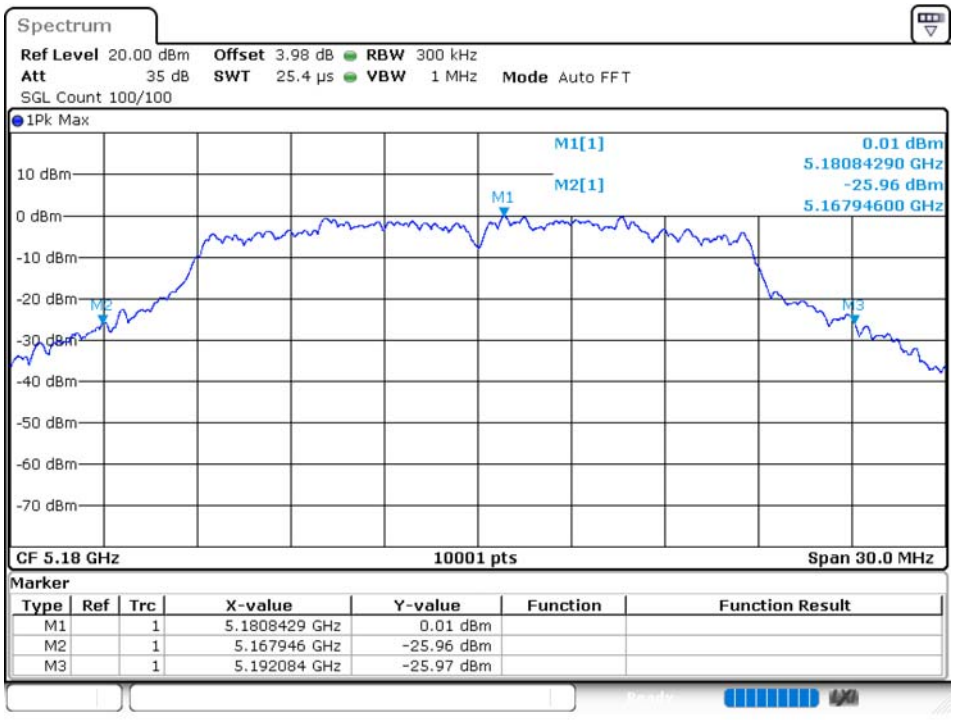
-26dB Bandwidth NVNT ax80 5210MHz Ant2



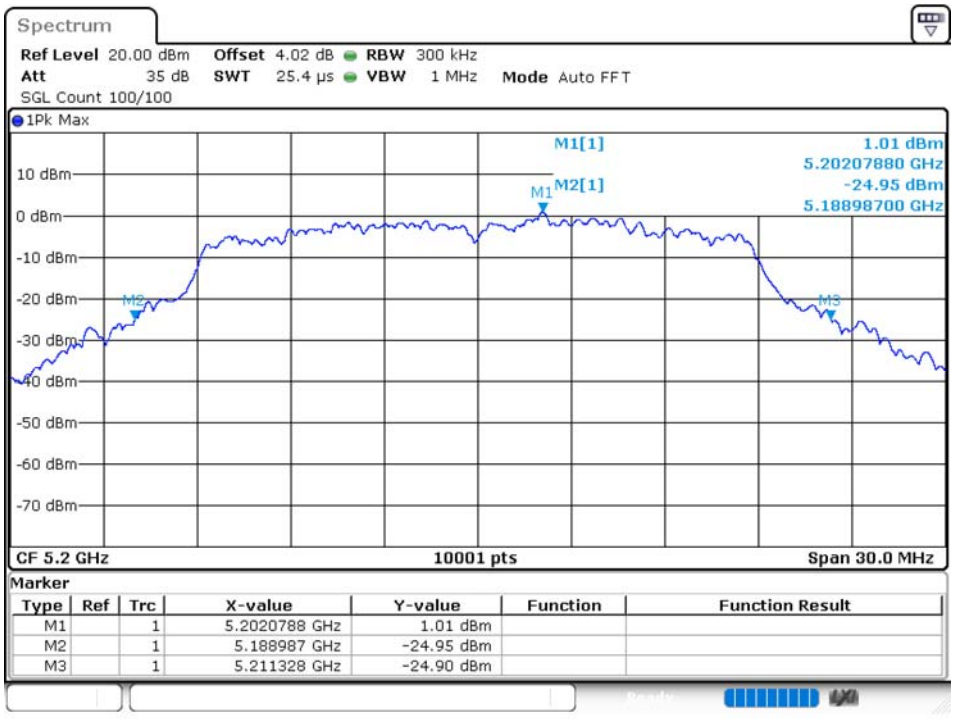
-26dB Bandwidth NVNT n20 5180MHz Ant1



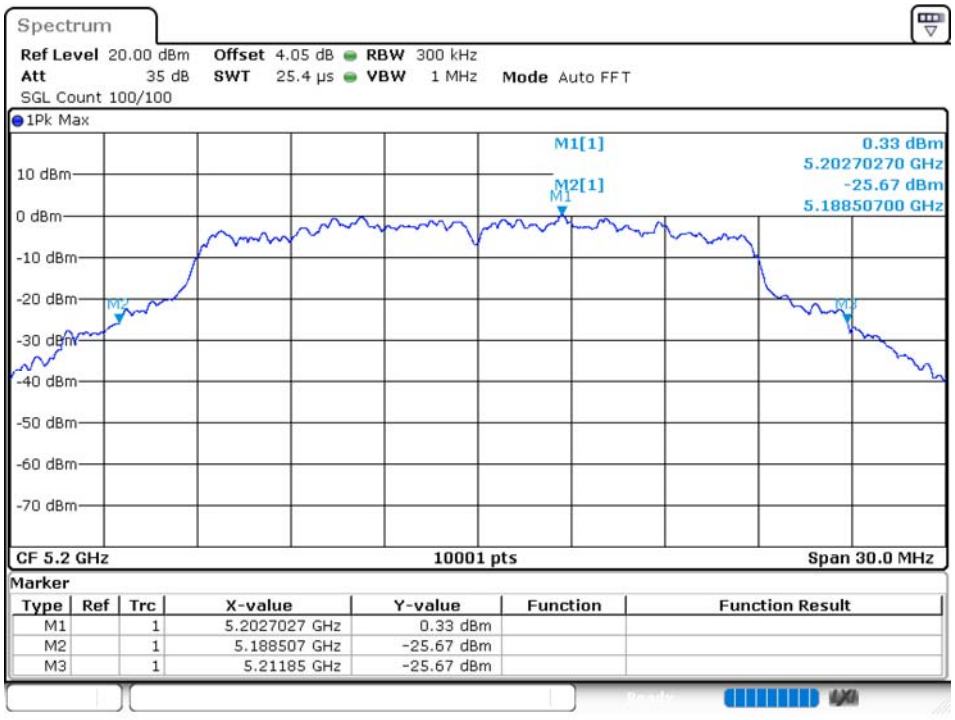
-26dB Bandwidth NVNT n20 5180MHz Ant2



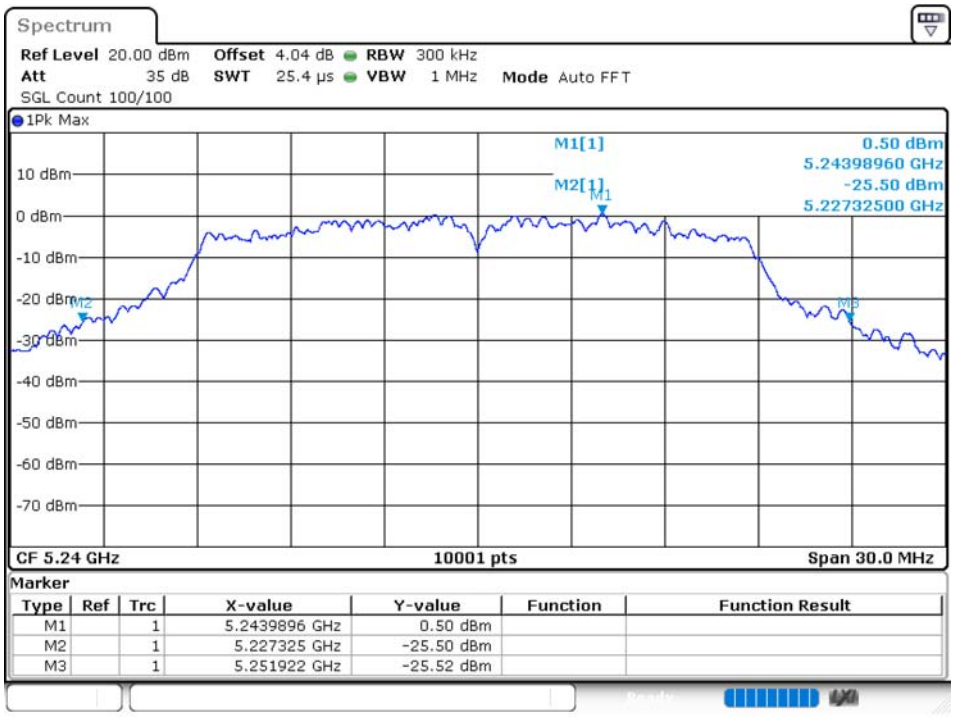
-26dB Bandwidth NVNT n20 5200MHz Ant1



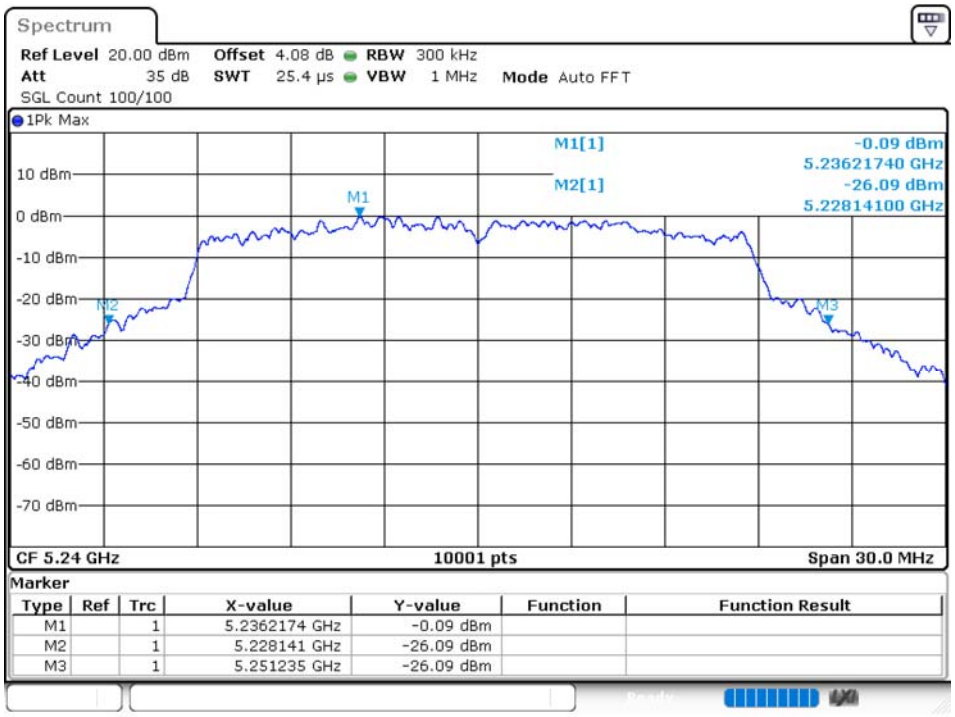
-26dB Bandwidth NVNT n20 5200MHz Ant2



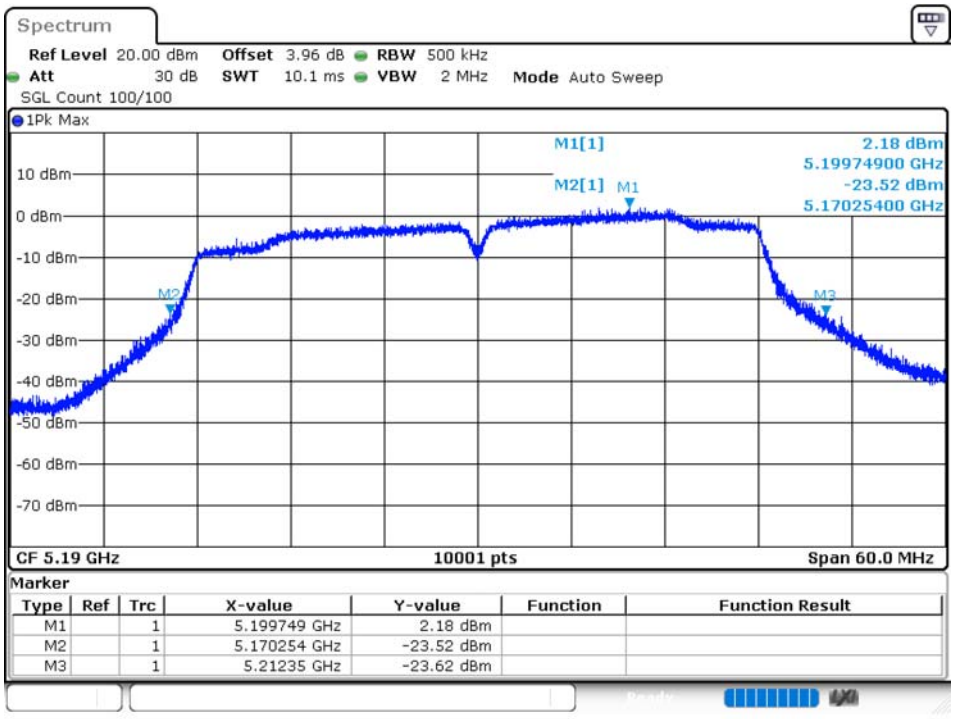
-26dB Bandwidth NVNT n20 5240MHz Ant1



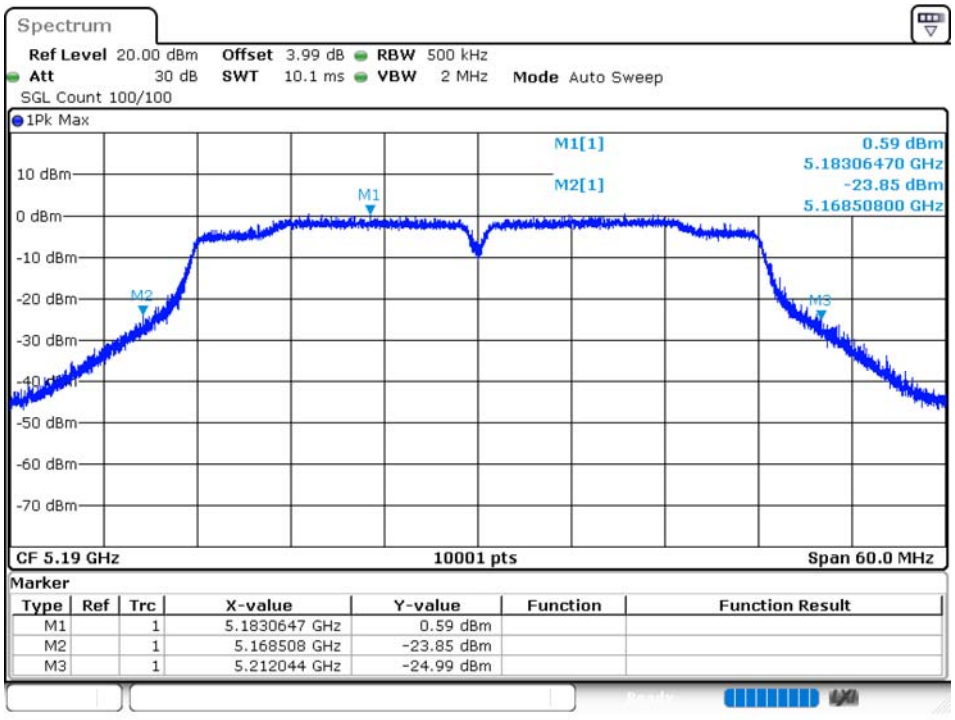
-26dB Bandwidth NVNT n20 5240MHz Ant2



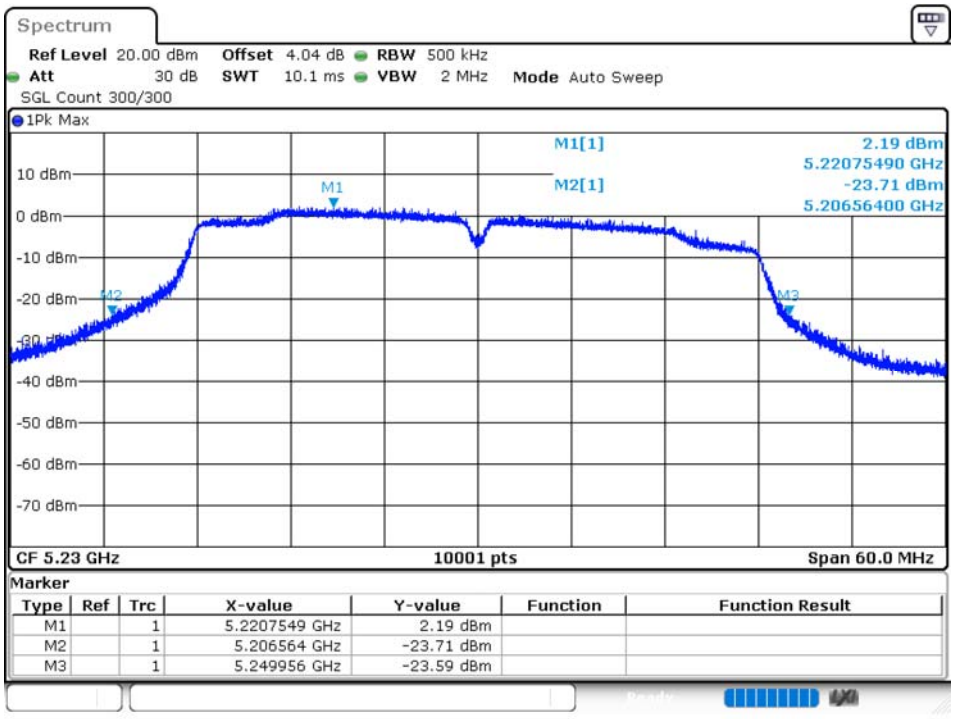
-26dB Bandwidth NVNT n40 5190MHz Ant1



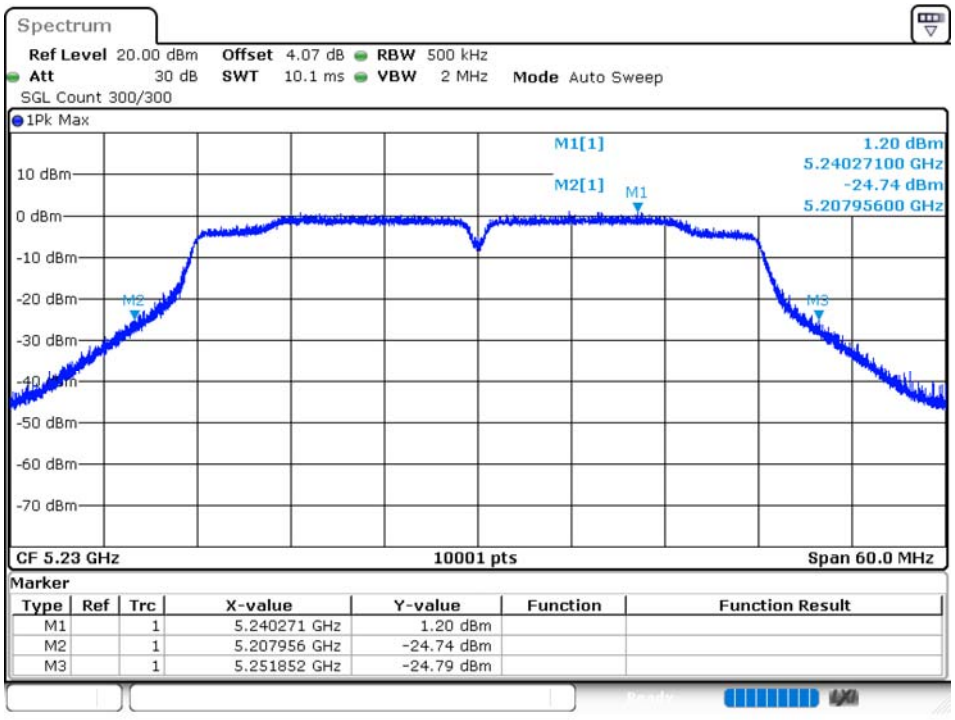
-26dB Bandwidth NVNT n40 5190MHz Ant2



-26dB Bandwidth NVNT n40 5230MHz Ant1

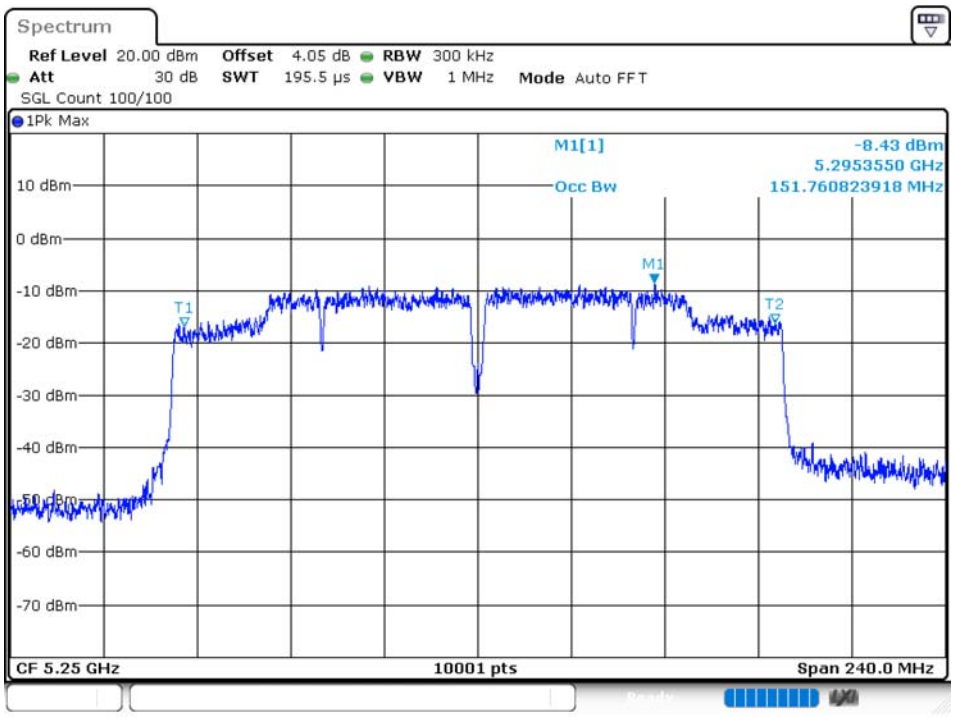
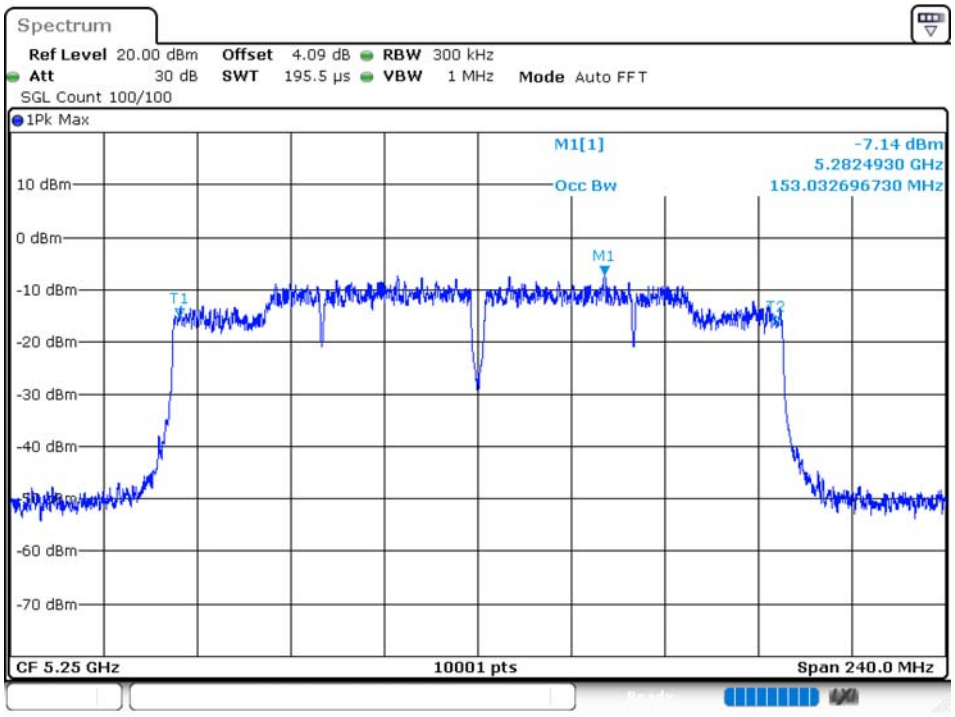


-26dB Bandwidth NVNT n40 5230MHz Ant2

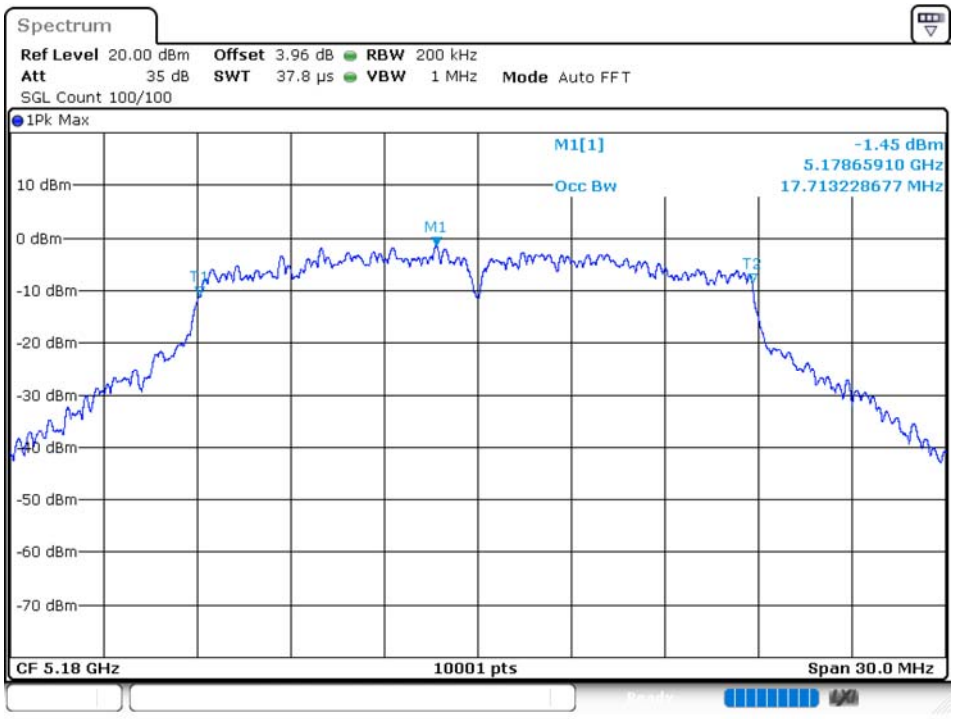


Occupied Channel Bandwidth

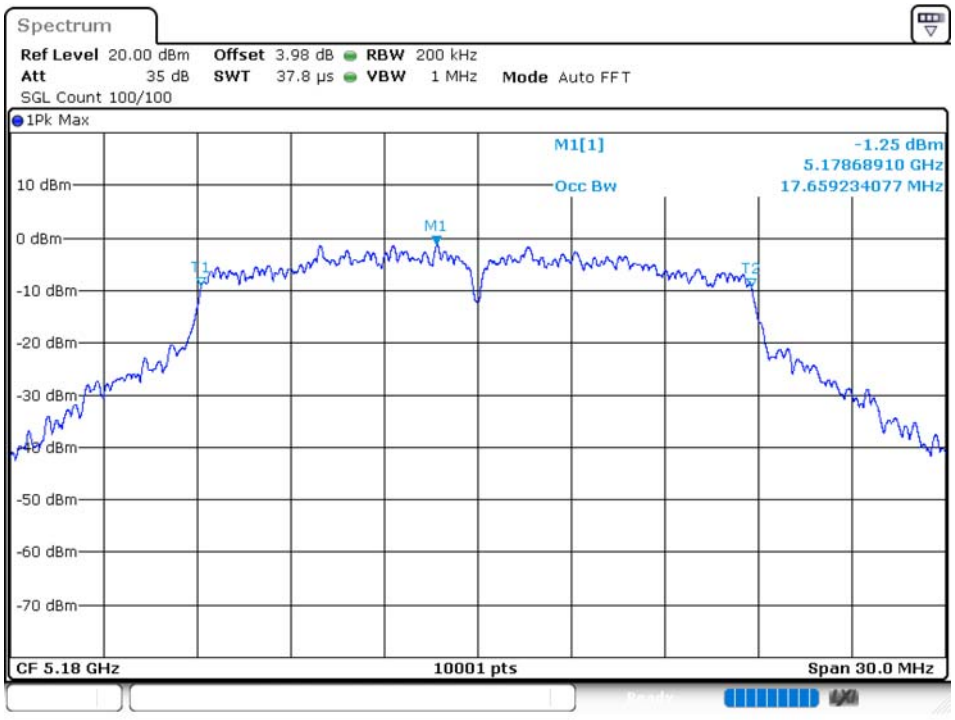
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	ac160	5250	Ant1	151.761
NVNT	ac160	5250	Ant2	153.033
NVNT	ac20	5180	Ant1	17.713
NVNT	ac20	5180	Ant2	17.659
NVNT	ac20	5200	Ant1	17.713
NVNT	ac20	5200	Ant2	17.704
NVNT	ac20	5240	Ant1	17.839
NVNT	ac20	5240	Ant2	17.752
NVNT	ac40	5190	Ant1	35.84
NVNT	ac40	5190	Ant2	36.122
NVNT	ac40	5230	Ant1	35.84
NVNT	ac40	5230	Ant2	36.02
NVNT	ac80	5210	Ant1	74.849
NVNT	ac80	5210	Ant2	74.969
NVNT	ax160	5250	Ant1	154.041
NVNT	ax160	5250	Ant2	154.305
NVNT	ax20	5180	Ant1	18.892
NVNT	ax20	5180	Ant2	18.856
NVNT	ax20	5200	Ant1	18.817
NVNT	ax20	5200	Ant2	18.877
NVNT	ax20	5240	Ant1	18.943
NVNT	ax20	5240	Ant2	18.838
NVNT	ax40	5190	Ant1	37.202
NVNT	ax40	5190	Ant2	37.562
NVNT	ax40	5230	Ant1	37.178
NVNT	ax40	5230	Ant2	37.466
NVNT	ax80	5210	Ant1	76.444
NVNT	ax80	5210	Ant2	76.504
NVNT	n20	5180	Ant1	17.83
NVNT	n20	5180	Ant2	17.761
NVNT	n20	5200	Ant1	17.71
NVNT	n20	5200	Ant2	17.824
NVNT	n20	5240	Ant1	17.863
NVNT	n20	5240	Ant2	17.707
NVNT	n40	5190	Ant1	35.846
NVNT	n40	5190	Ant2	36.122
NVNT	n40	5230	Ant1	35.894
NVNT	n40	5230	Ant2	36.056

Test Graphs
OBW NVNT ac160 5250MHz Ant1

OBW NVNT ac160 5250MHz Ant2


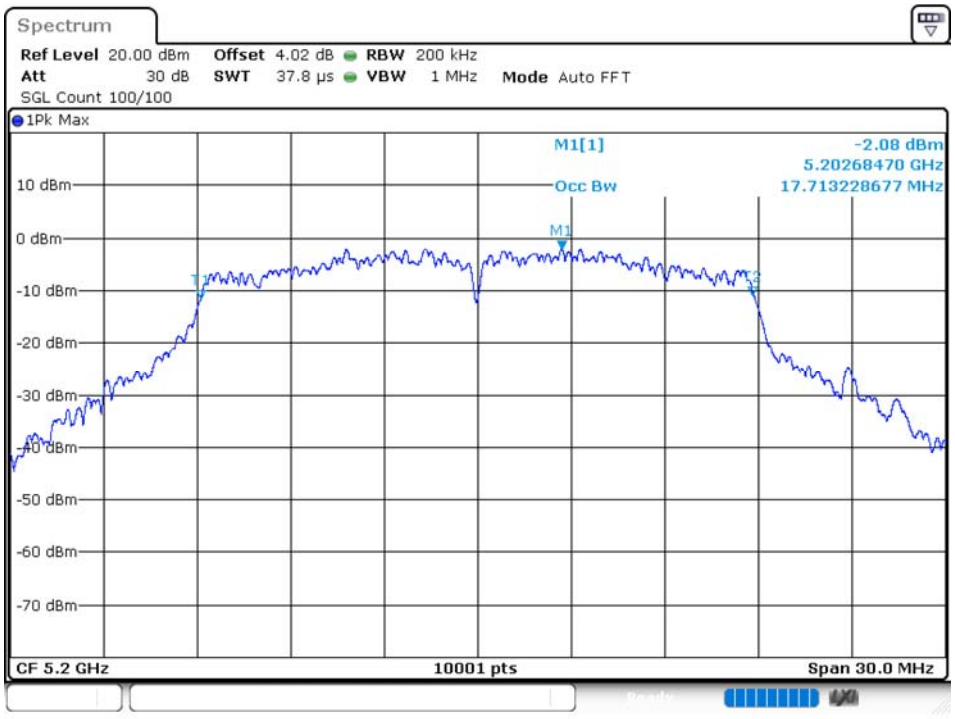
OBW NVNT ac20 5180MHz Ant1



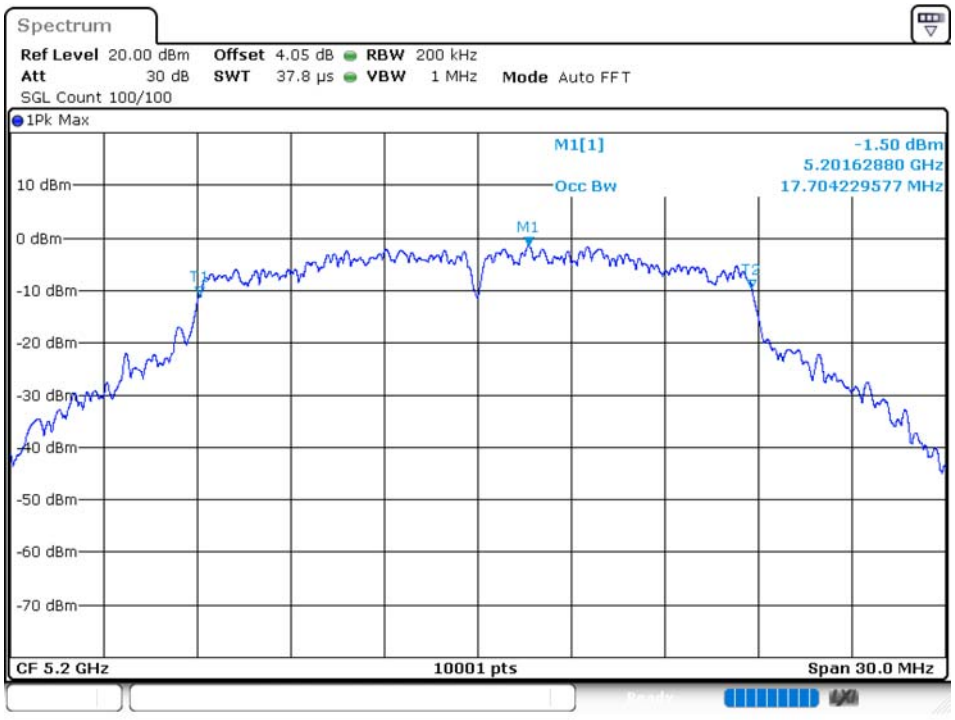
OBW NVNT ac20 5180MHz Ant2



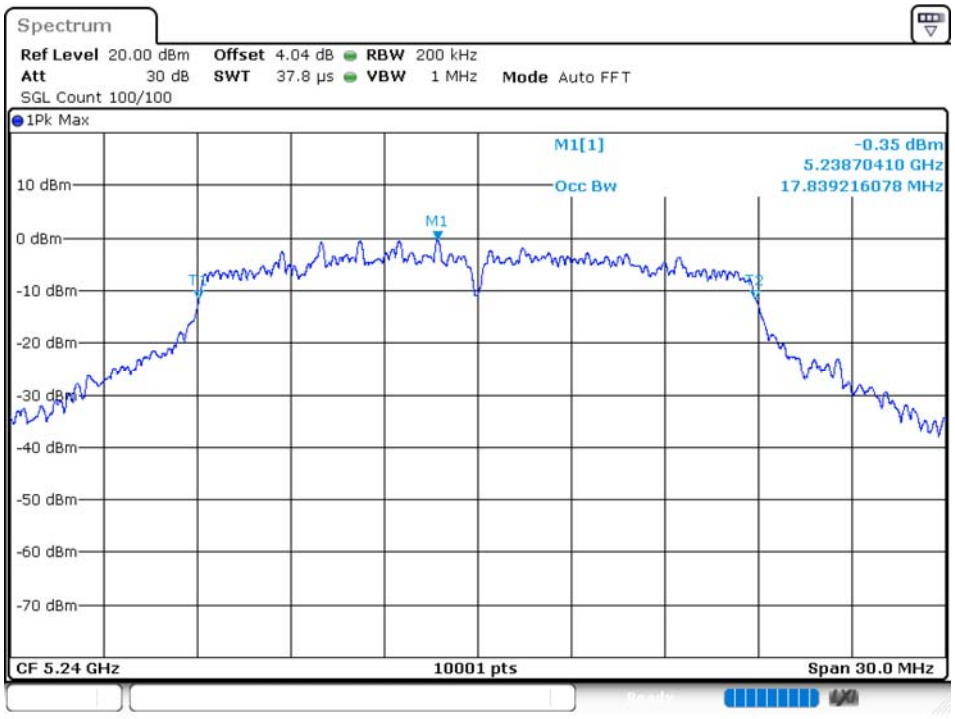
OBW NVNT ac20 5200MHz Ant1



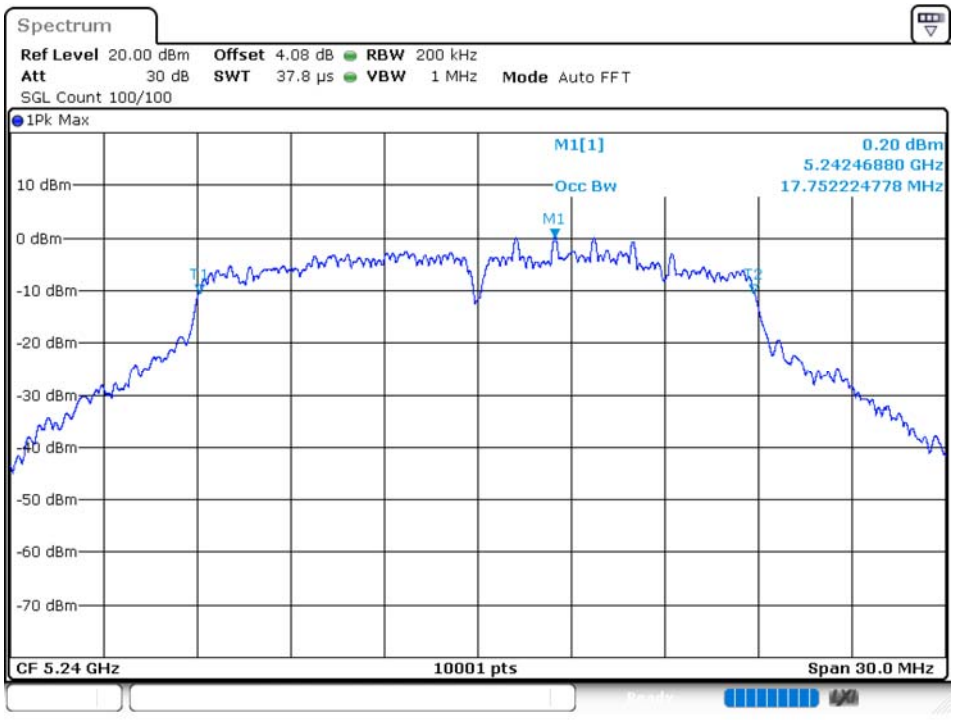
OBW NVNT ac20 5200MHz Ant2



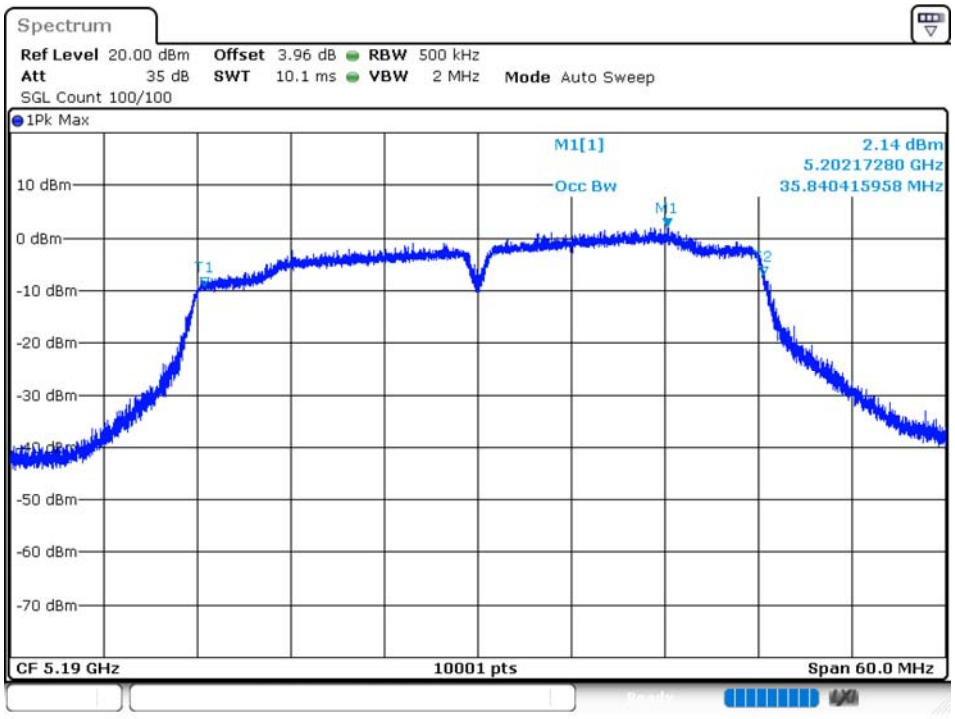
OBW NVNT ac20 5240MHz Ant1



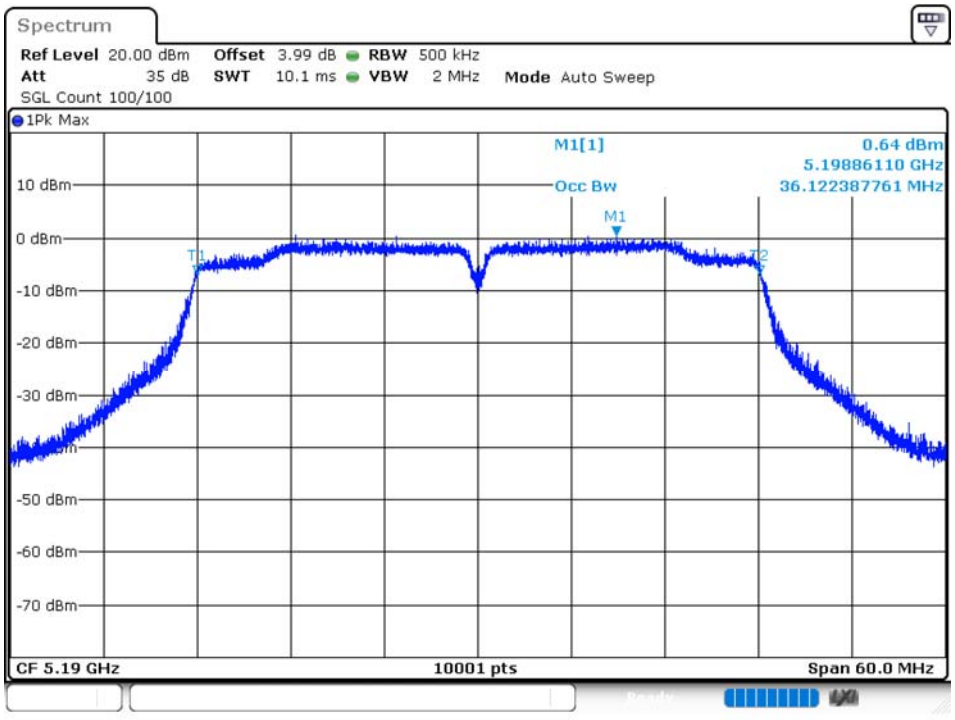
OBW NVNT ac20 5240MHz Ant2



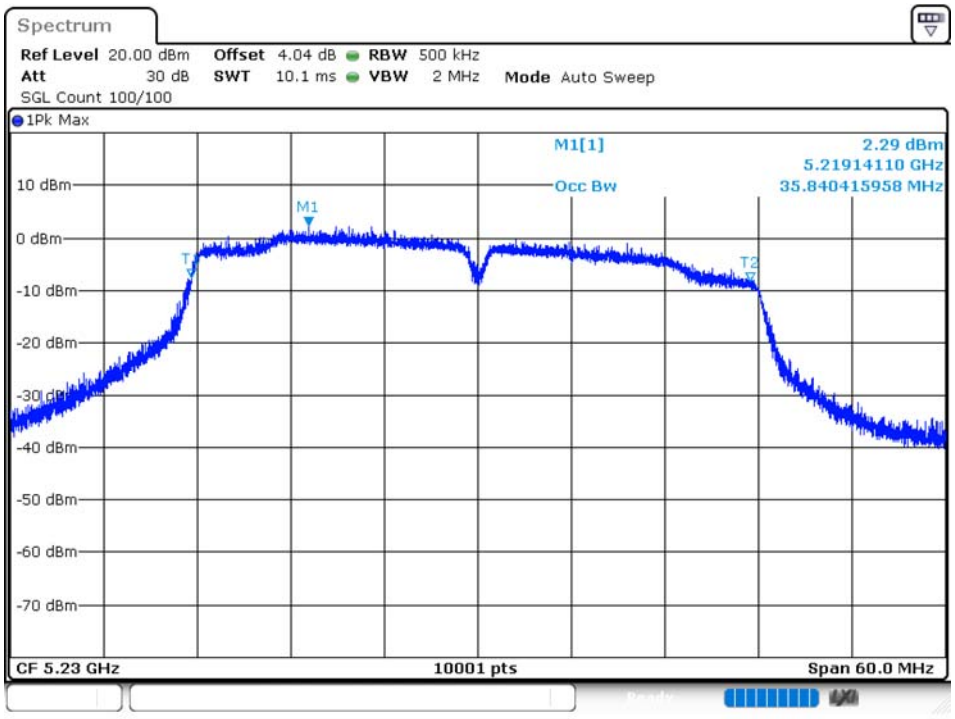
OBW NVNT ac40 5190MHz Ant1



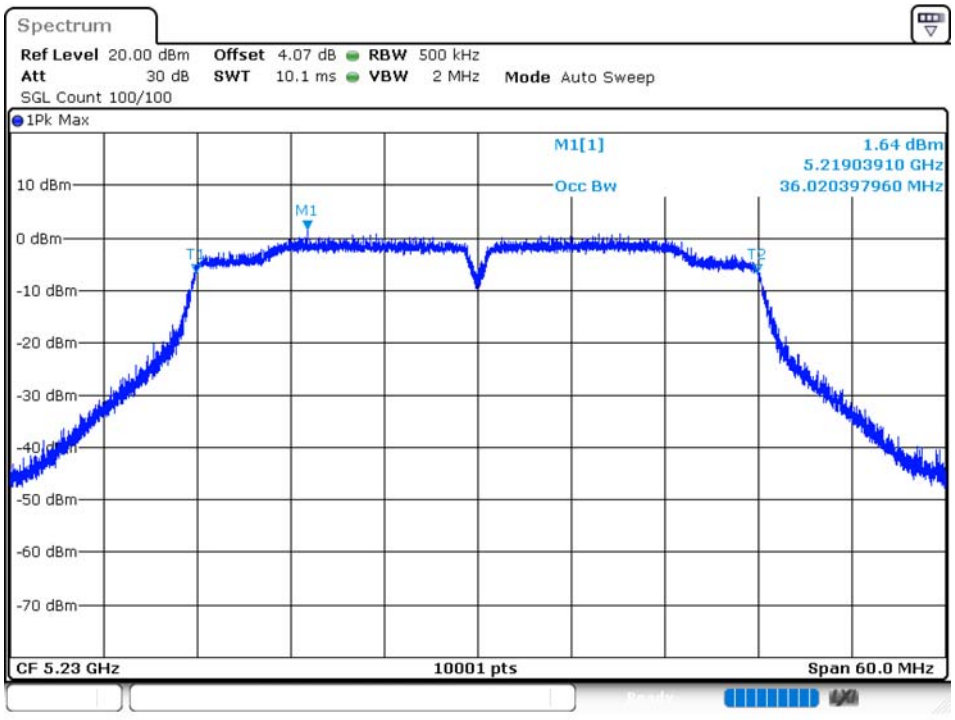
OBW NVNT ac40 5190MHz Ant2



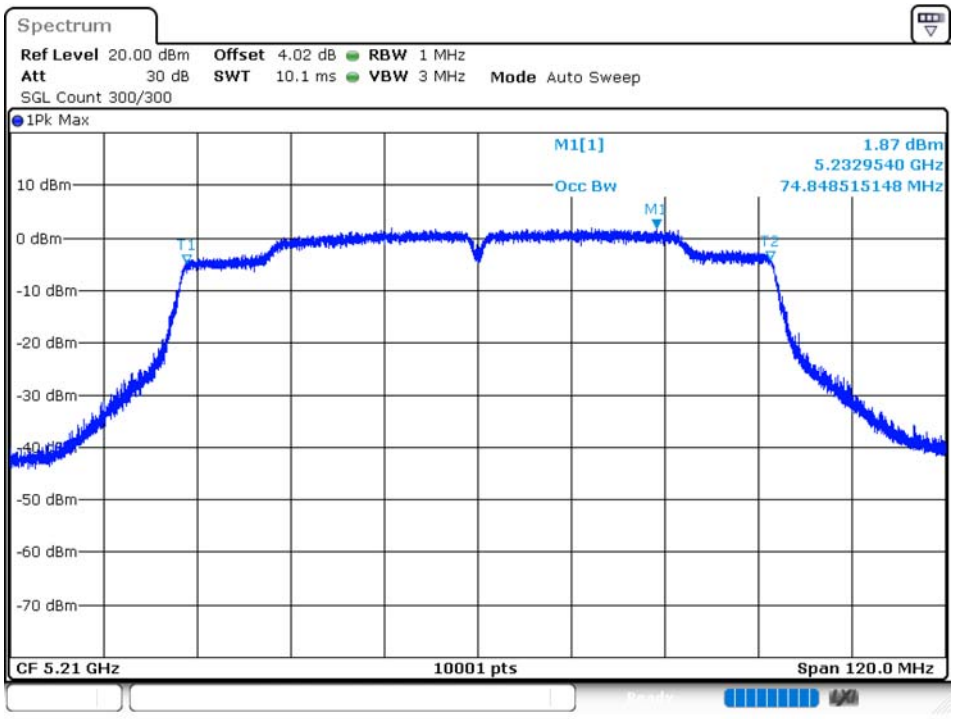
OBW NVNT ac40 5230MHz Ant1



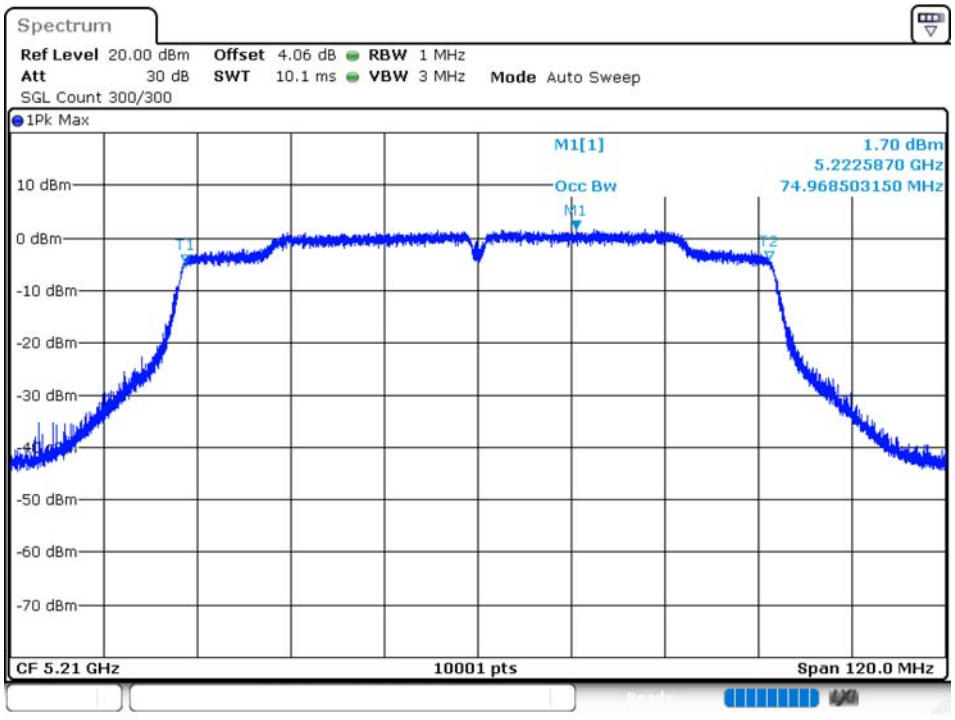
OBW NVNT ac40 5230MHz Ant2



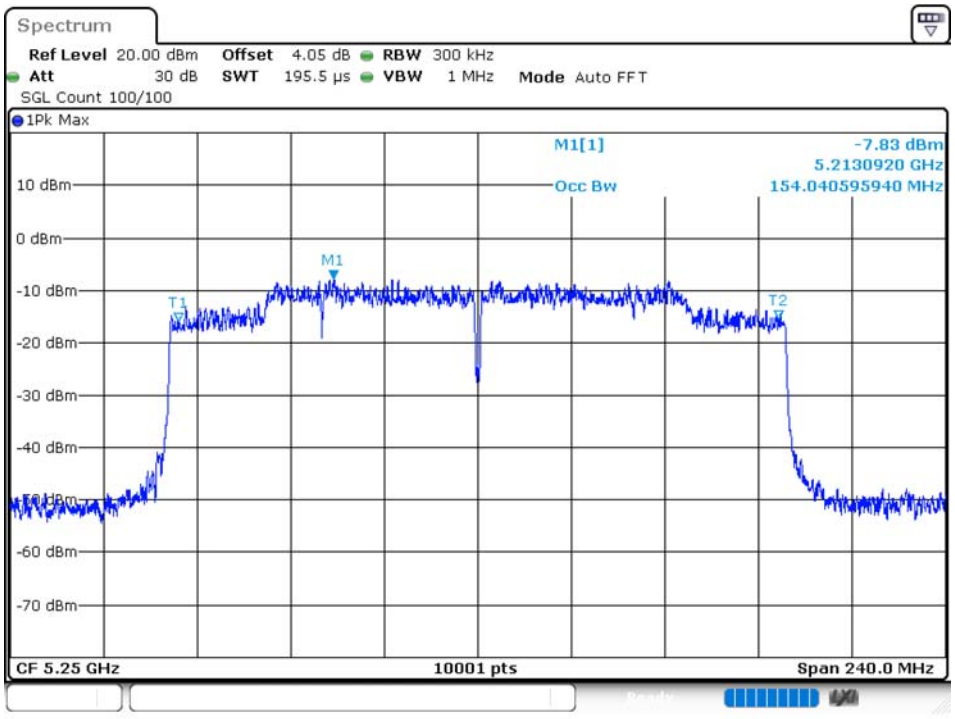
OBW NVNT ac80 5210MHz Ant1



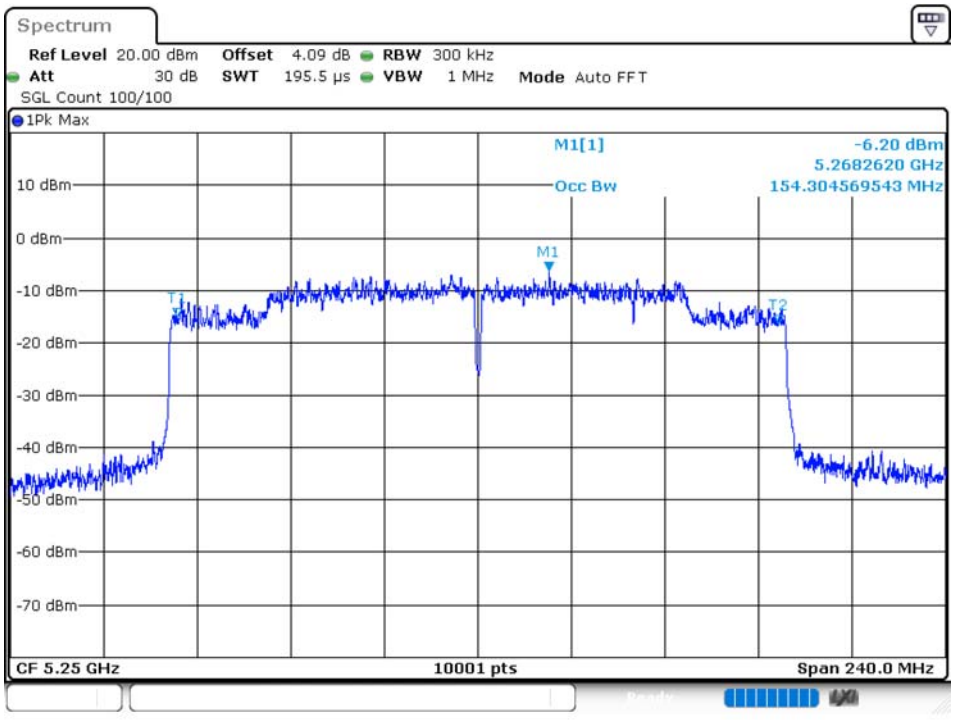
OBW NVNT ac80 5210MHz Ant2



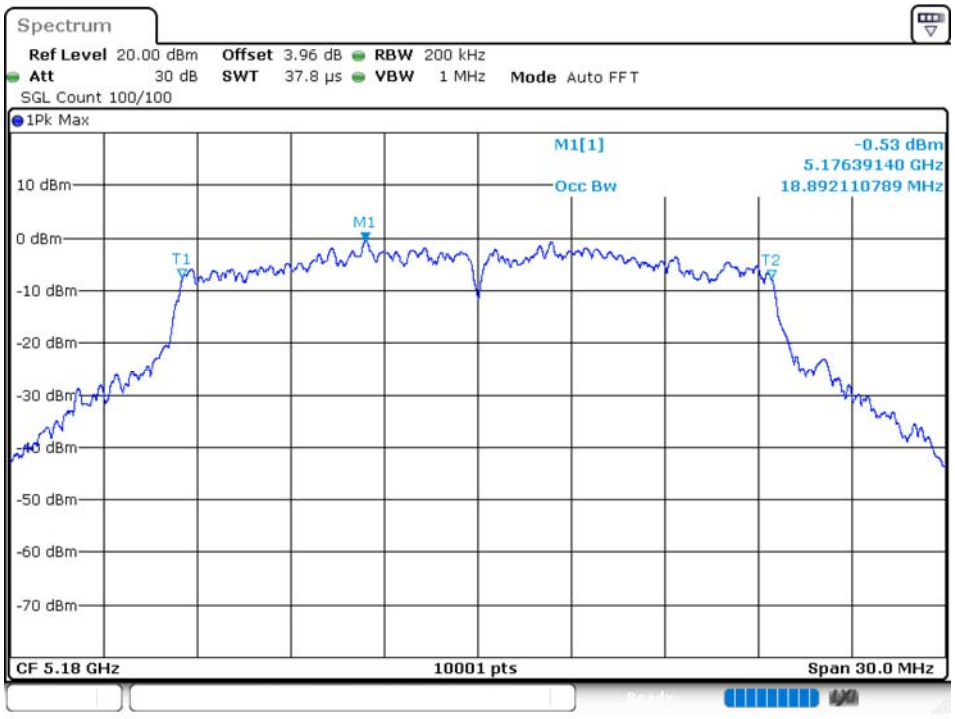
OBW NVNT ax160 5250MHz Ant1



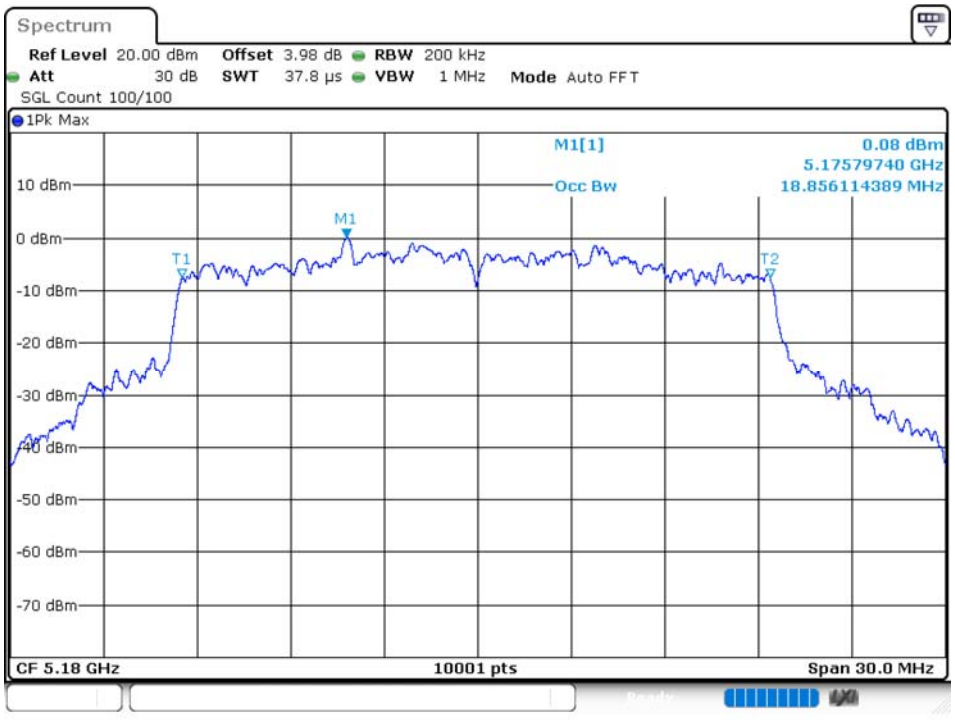
OBW NVNT ax160 5250MHz Ant2



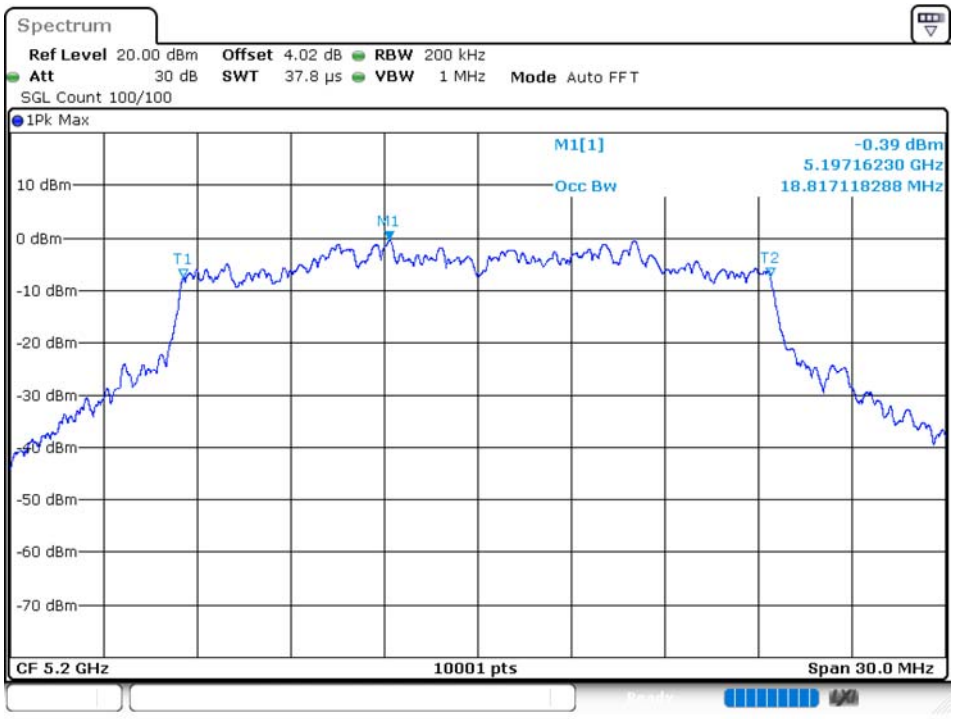
OBW NVNT ax20 5180MHz Ant1



OBW NVNT ax20 5180MHz Ant2



OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5200MHz Ant2