5.2G:

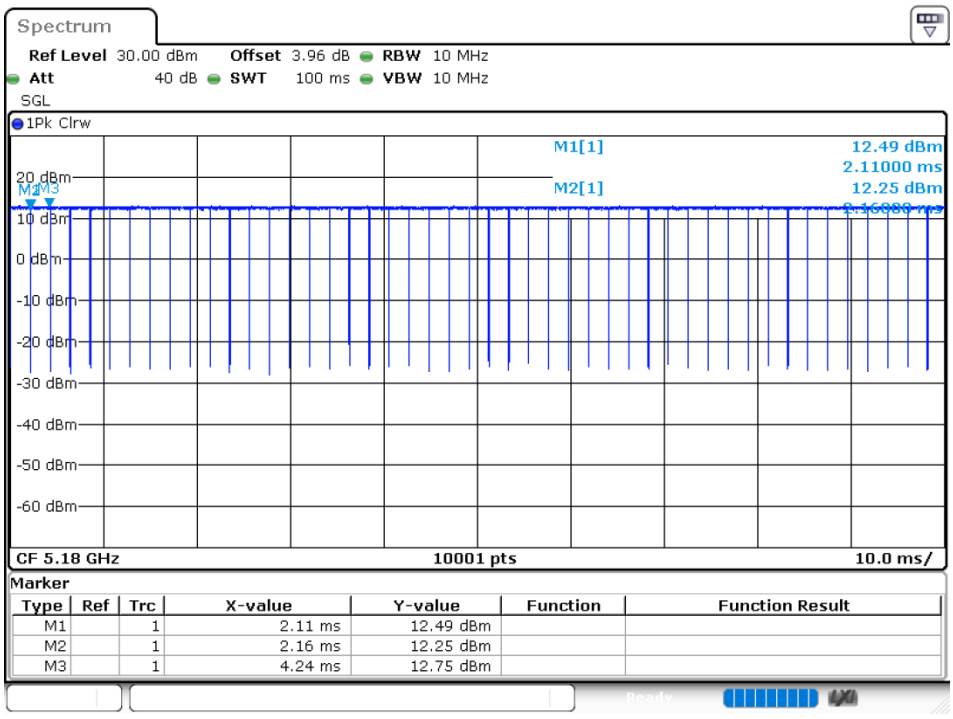
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	98.32	0.07	0.48
NVNT	a	5200	Ant1	98.31	0.07	0.48
NVNT	a	5240	Ant1	98.31	0.07	0.48
NVNT	a	5180	Ant2	99.05	0.04	0.25
NVNT	a	5200	Ant2	99.1	0.04	0.25
NVNT	a	5240	Ant2	99.08	0.04	0.25
NVNT	n20	5180	Ant1	99.11	0.04	0.25
NVNT	n20	5200	Ant1	99.07	0.04	0.25
NVNT	n20	5240	Ant1	99.08	0.04	0.25
NVNT	n20	5180	Ant2	99.13	0.04	0.25
NVNT	n20	5200	Ant2	99.08	0.04	0.25
NVNT	n20	5240	Ant2	99.09	0.04	0.25
NVNT	n40	5190	Ant1	99.06	0.04	0.25
NVNT	n40	5230	Ant1	99.09	0.04	0.25
NVNT	n40	5190	Ant2	99.06	0.04	0.25
NVNT	n40	5230	Ant2	99.1	0.04	0.25
NVNT	ac20	5180	Ant1	99.08	0.04	0.25
NVNT	ac20	5200	Ant1	99.1	0.04	0.25
NVNT	ac20	5240	Ant1	99.09	0.04	0.25
NVNT	ac20	5180	Ant2	99.07	0.04	0.25
NVNT	ac20	5200	Ant2	99.08	0.04	0.25
NVNT	ac20	5240	Ant2	99.07	0.04	0.25
NVNT	ac40	5190	Ant1	99.08	0.04	0.25
NVNT	ac40	5230	Ant1	99.08	0.04	0.25
NVNT	ac40	5190	Ant2	99.07	0.04	0.25
NVNT	ac40	5230	Ant2	99.06	0.04	0.25
NVNT	ac80	5210	Ant1	99	0.04	0.25
NVNT	ac80	5210	Ant2	99	0.04	0.25
NVNT	ax20	5180	Ant1	99.05	0.04	0.25
NVNT	ax20	5200	Ant1	99.09	0.04	0.25
NVNT	ax20	5240	Ant1	99.1	0.04	0.25
NVNT	ax20	5180	Ant2	99.36	0.03	0.25
NVNT	ax20	5200	Ant2	99.09	0.04	0.25

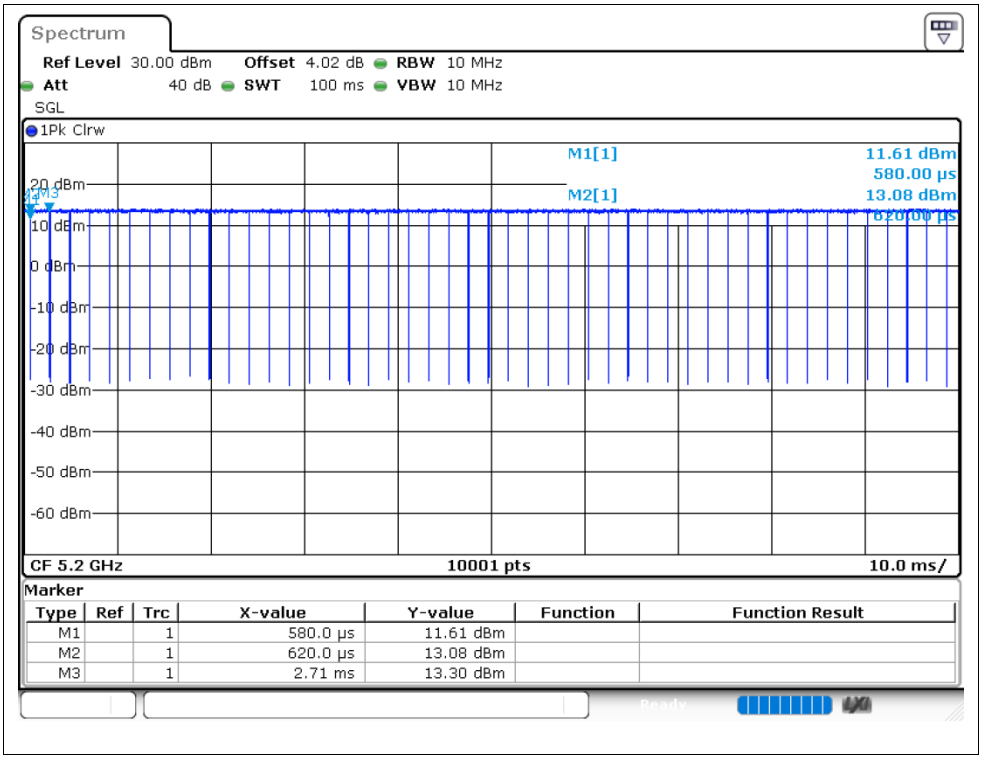
NVNT	ax20	5240	Ant2	99.1	0.04	0.25
NVNT	ax40	5190	Ant1	99.05	0.04	0.25
NVNT	ax40	5230	Ant1	99.07	0.04	0.25
NVNT	ax40	5190	Ant2	99.1	0.04	0.25
NVNT	ax40	5230	Ant2	99.07	0.04	0.25
NVNT	ax80	5210	Ant1	99.05	0.04	0.25
NVNT	ax80	5210	Ant2	99.1	0.04	0.25

Test Graphs

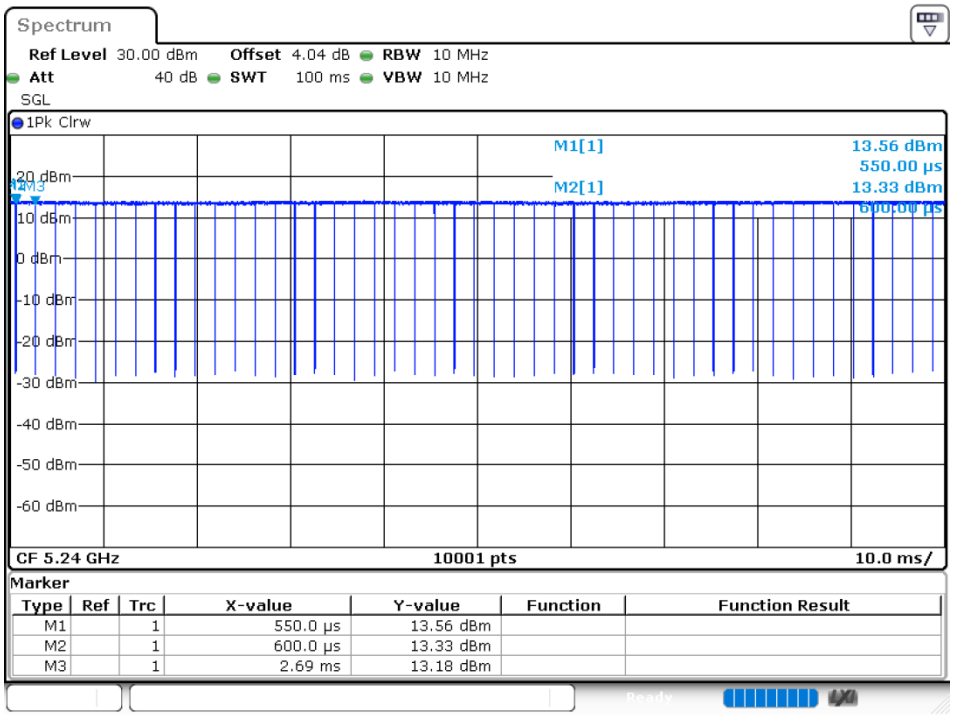
Duty Cycle NVNT a 5180MHz Ant1



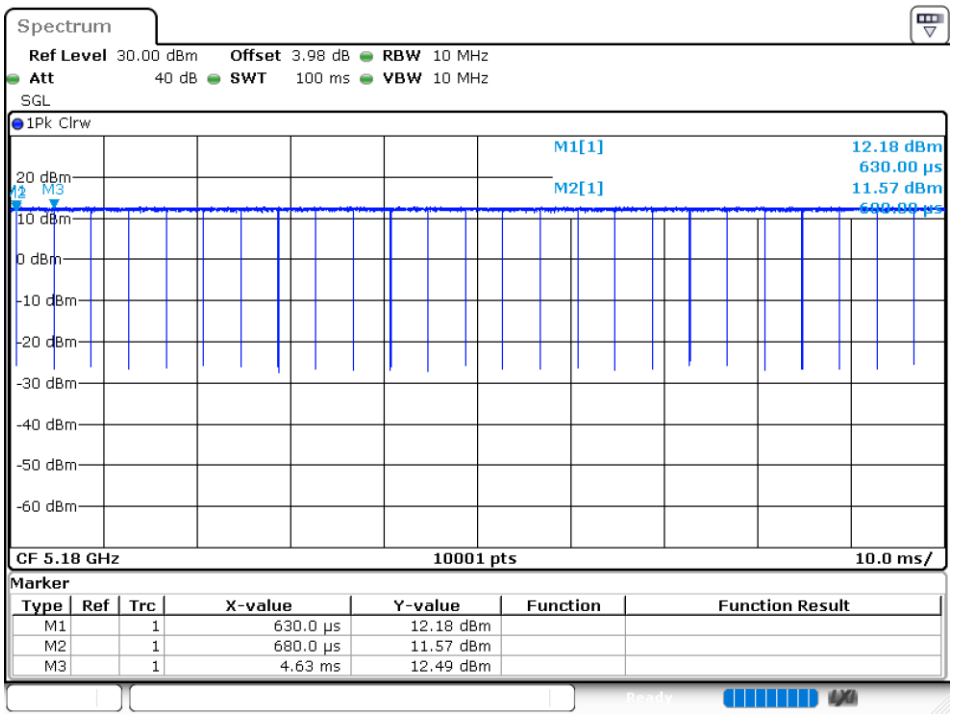
Duty Cycle NVNT a 5200MHz Ant1


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] 11.61 dBm
580.00 µs
M2[1] 13.08 dBm
620.00 µs
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 1 580.0 µs 11.61 dBm
M2 1 620.0 µs 13.08 dBm
M3 1 2.71 ms 13.30 dBm

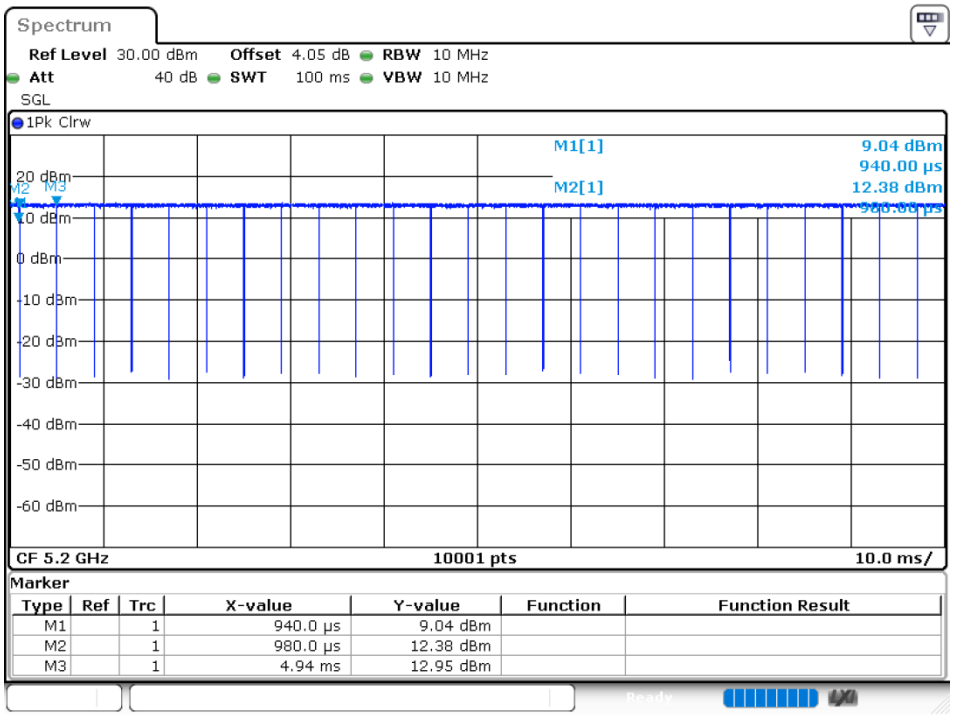
Duty Cycle NVNT a 5240MHz Ant1



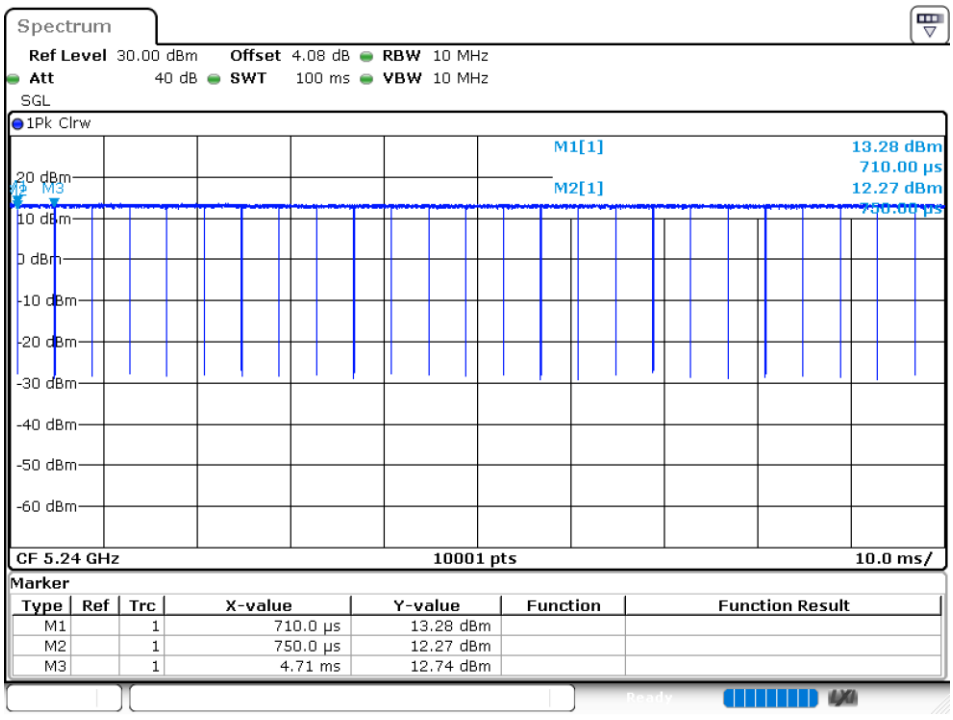
Duty Cycle NVNT a 5180MHz Ant2



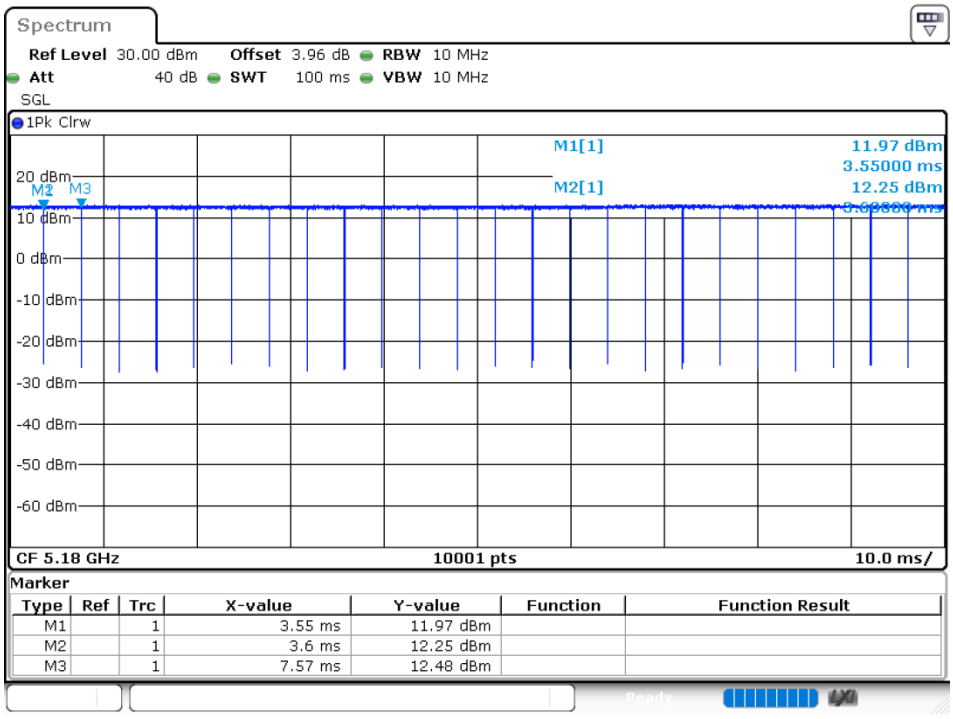
Duty Cycle NVNT a 5200MHz Ant2



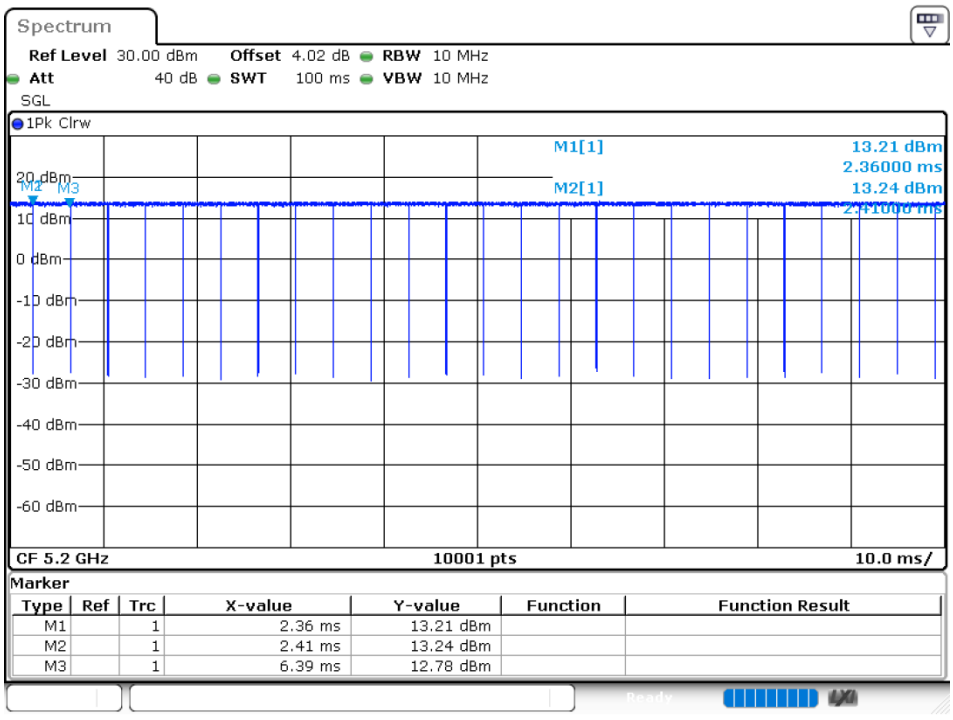
Duty Cycle NVNT a 5240MHz Ant2



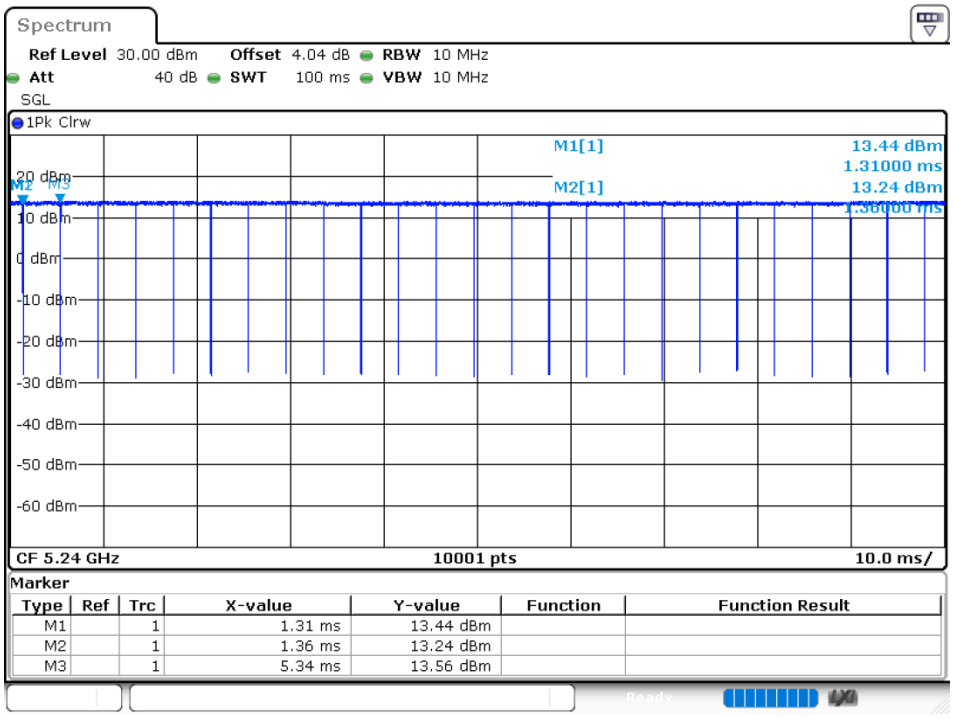
Duty Cycle NVNT n20 5180MHz Ant1



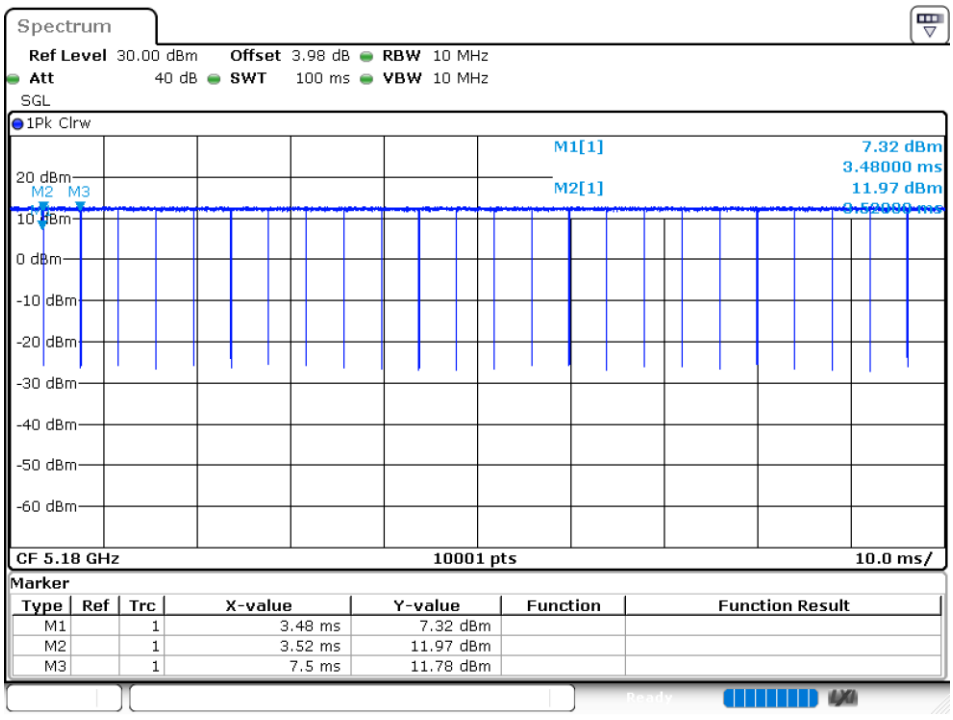
Duty Cycle NVNT n20 5200MHz Ant1



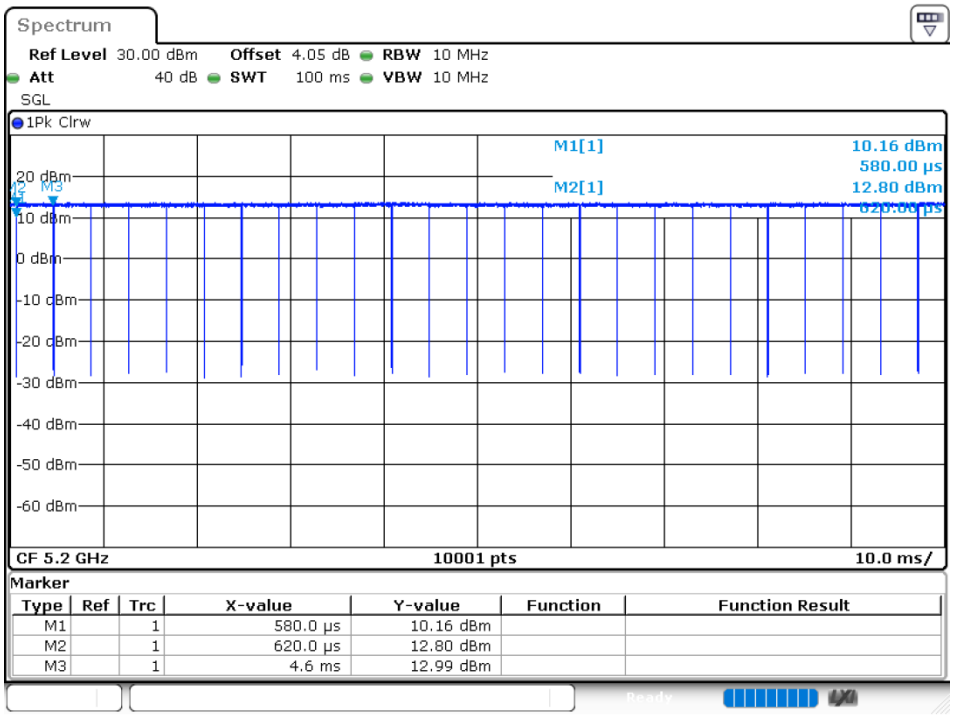
Duty Cycle NVNT n20 5240MHz Ant1



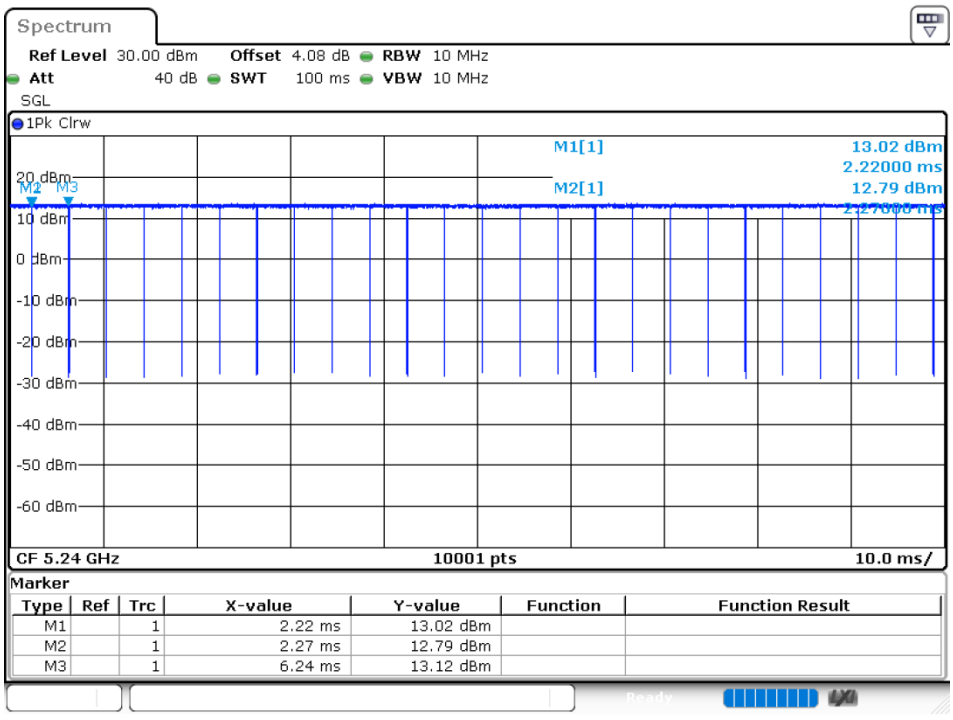
Duty Cycle NVNT n20 5180MHz Ant2



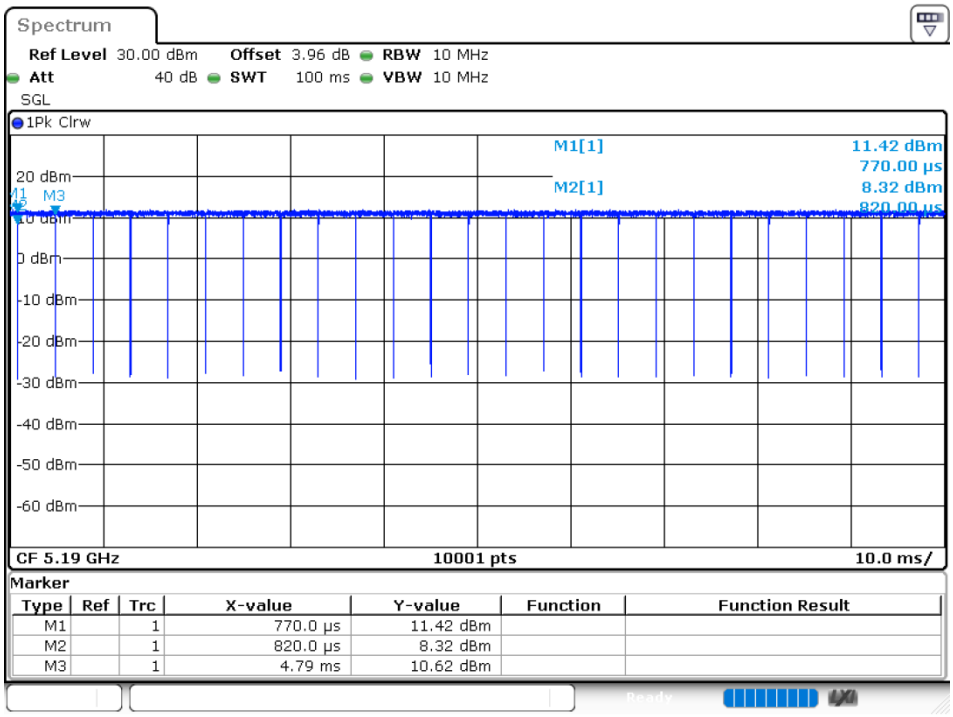
Duty Cycle NVNT n20 5200MHz Ant2



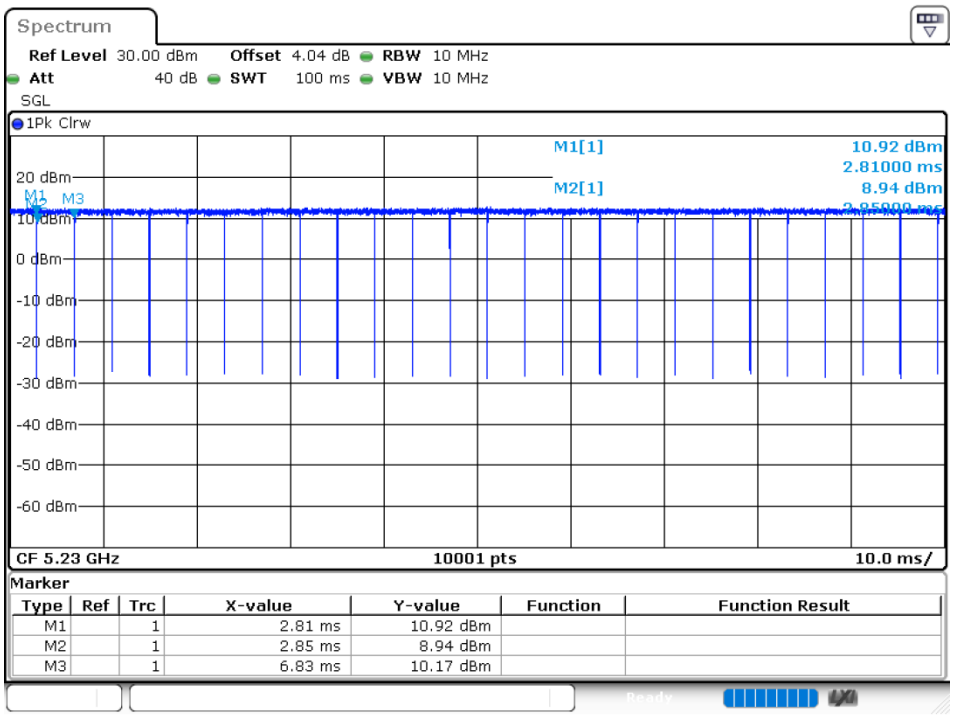
Duty Cycle NVNT n20 5240MHz Ant2



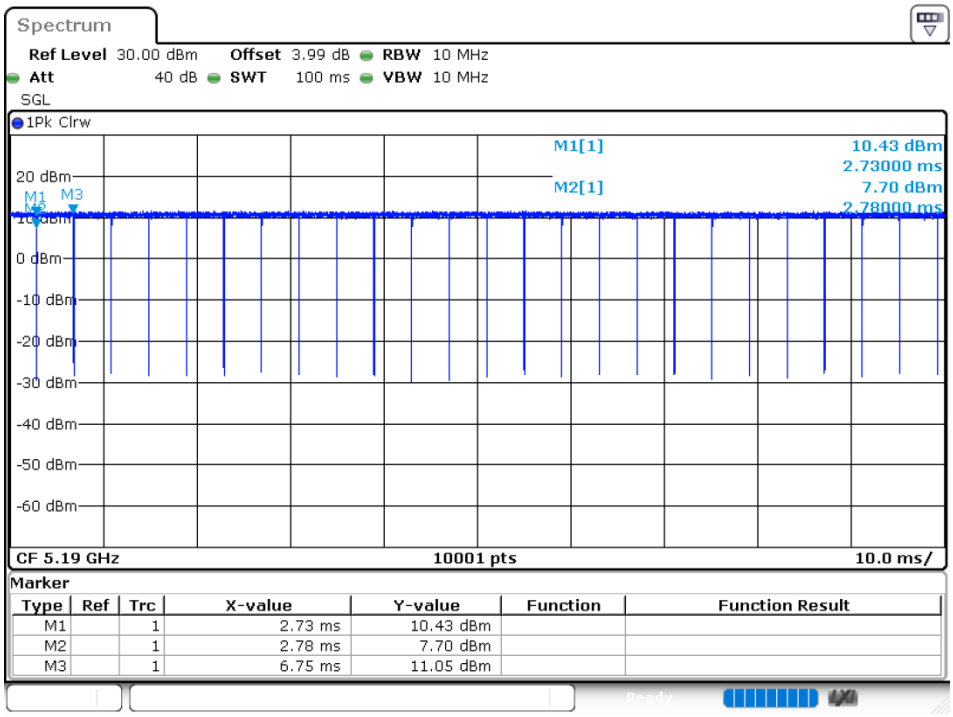
Duty Cycle NVNT n40 5190MHz Ant1



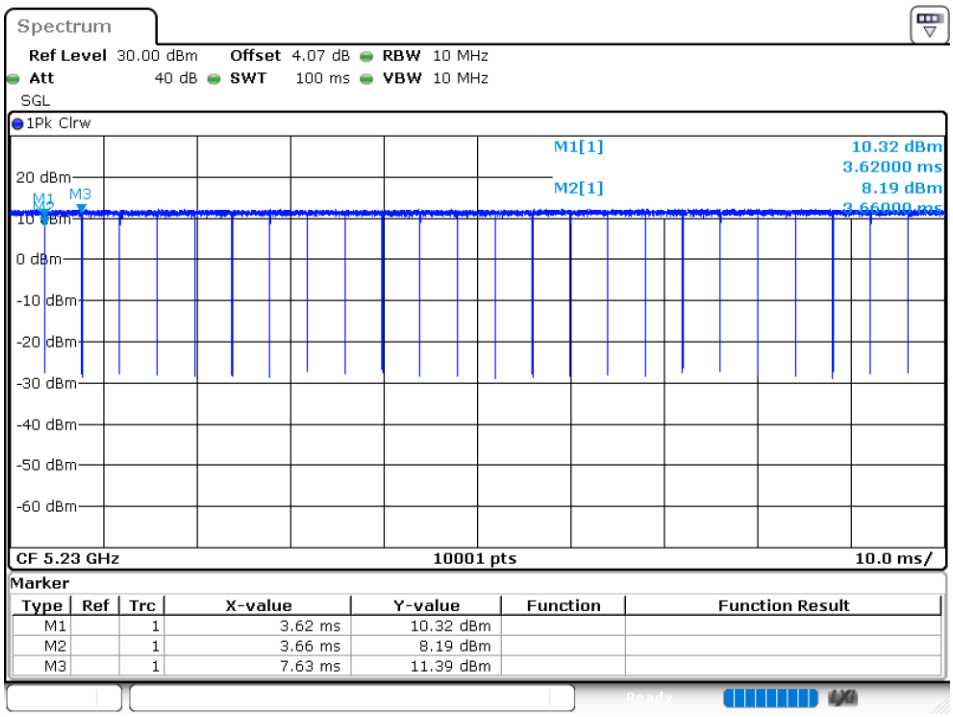
Duty Cycle NVNT n40 5230MHz Ant1



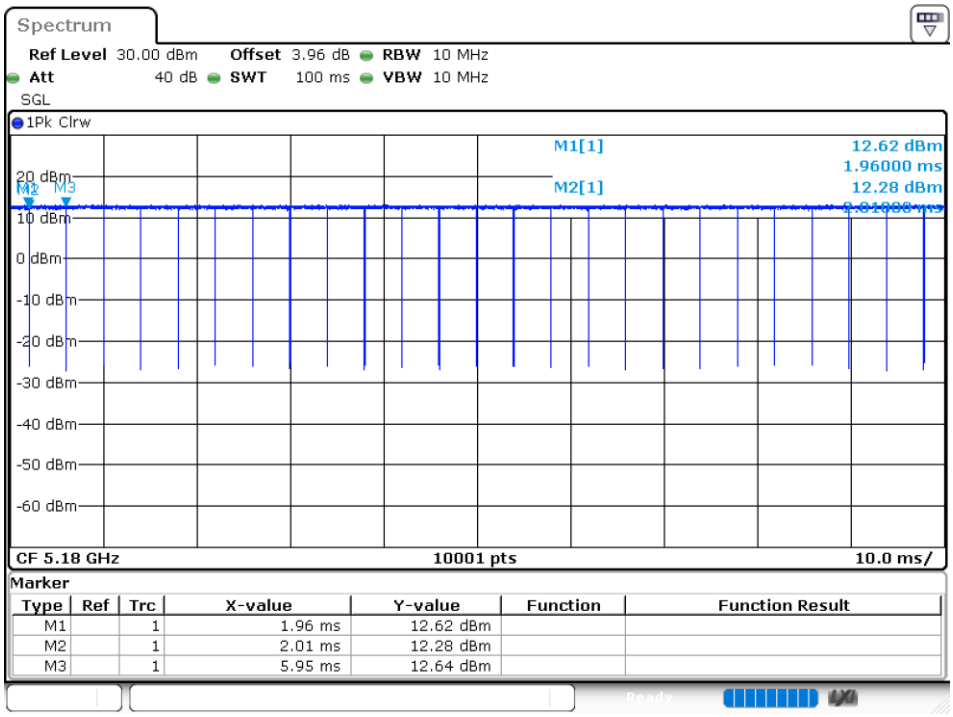
Duty Cycle NVNT n40 5190MHz Ant2



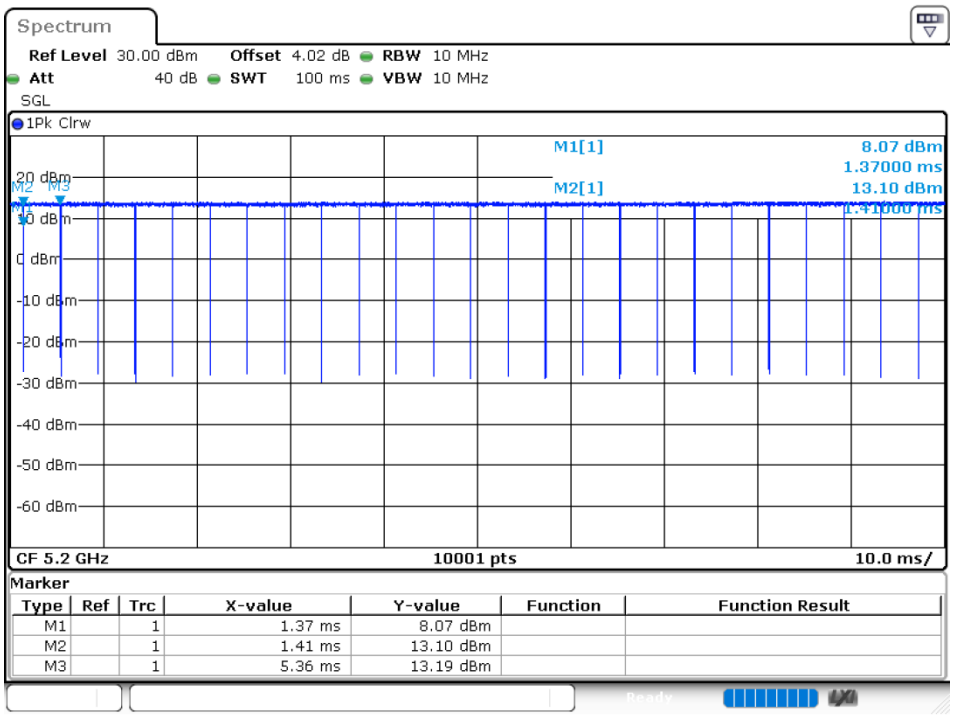
Duty Cycle NVNT n40 5230MHz Ant2



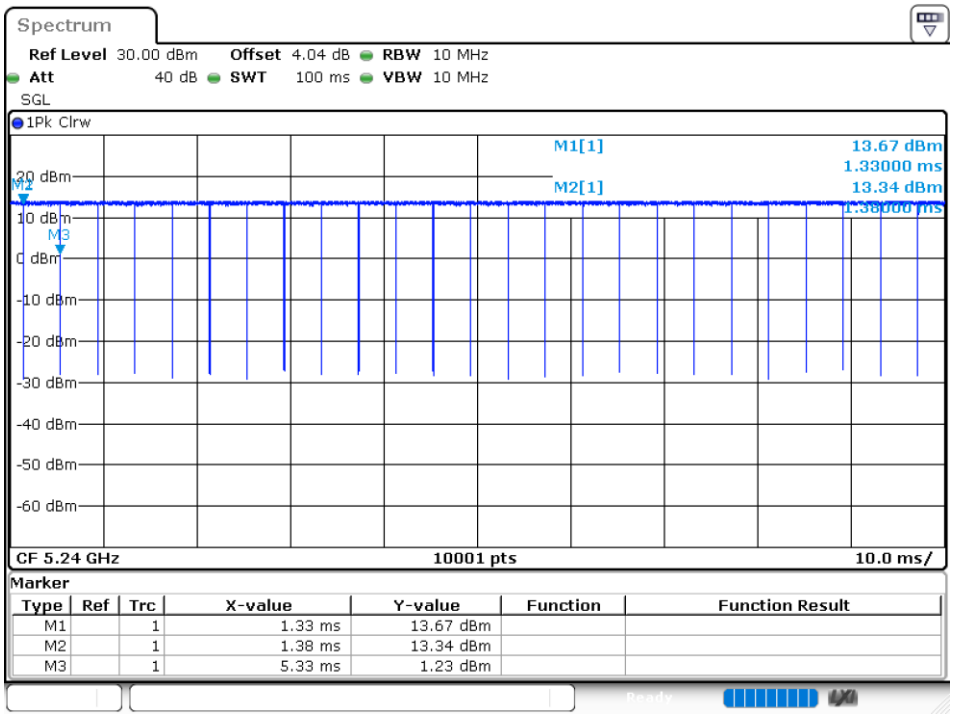
Duty Cycle NVNT ac20 5180MHz Ant1



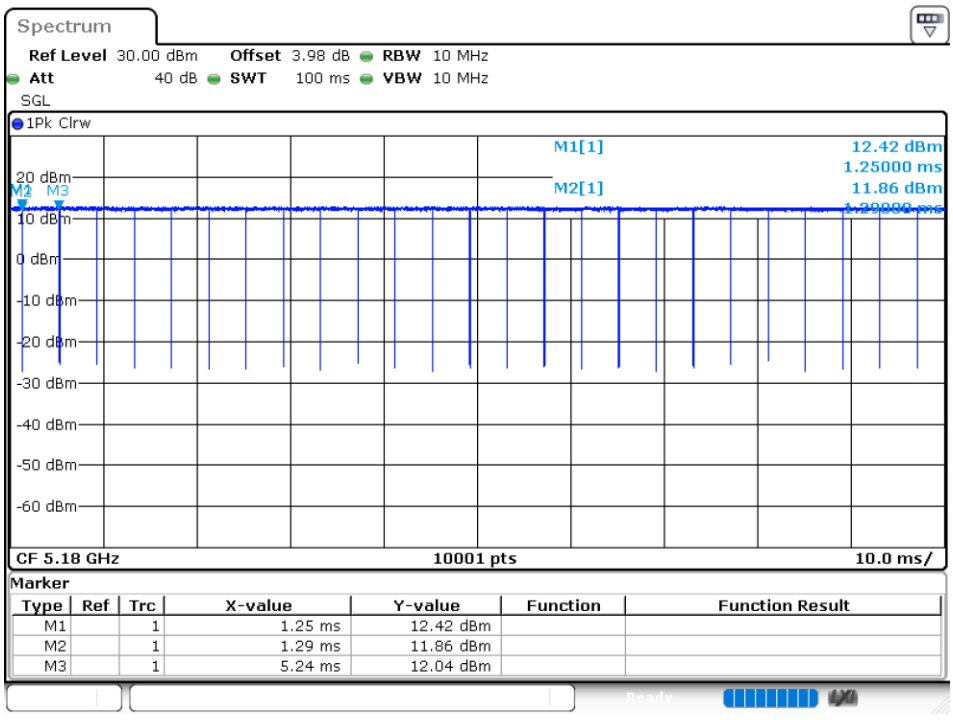
Duty Cycle NVNT ac20 5200MHz Ant1



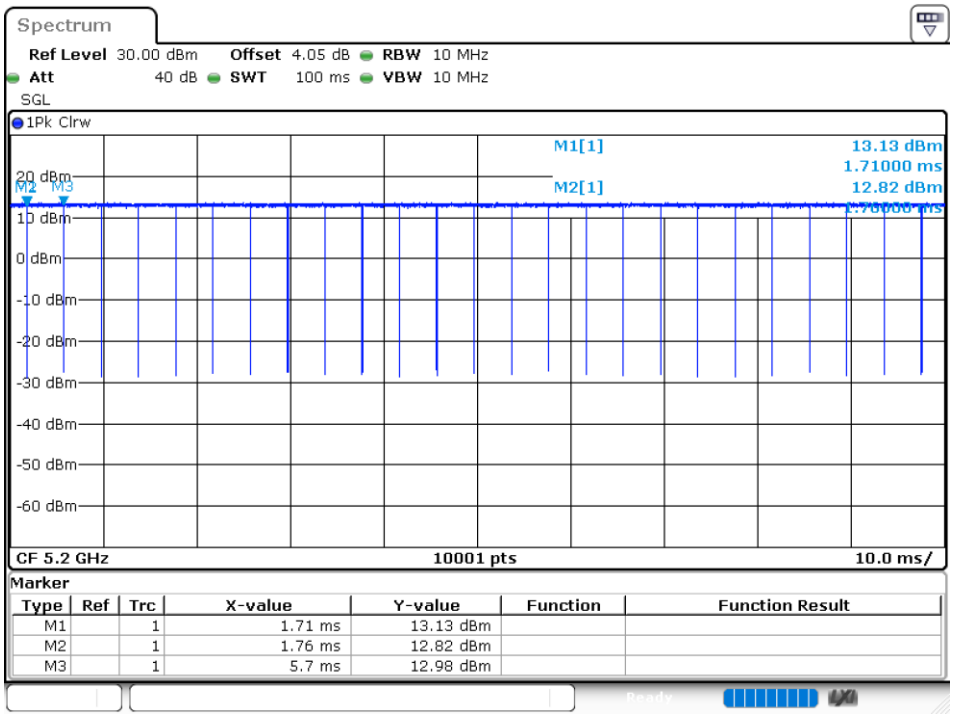
Duty Cycle NVNT ac20 5240MHz Ant1



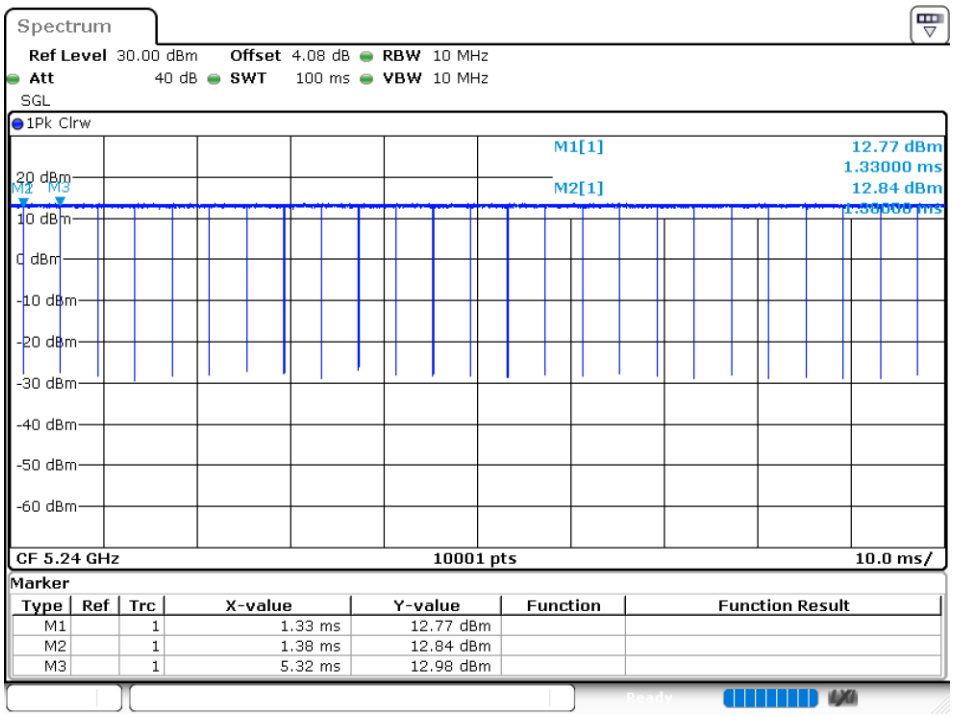
Duty Cycle NVNT ac20 5180MHz Ant2



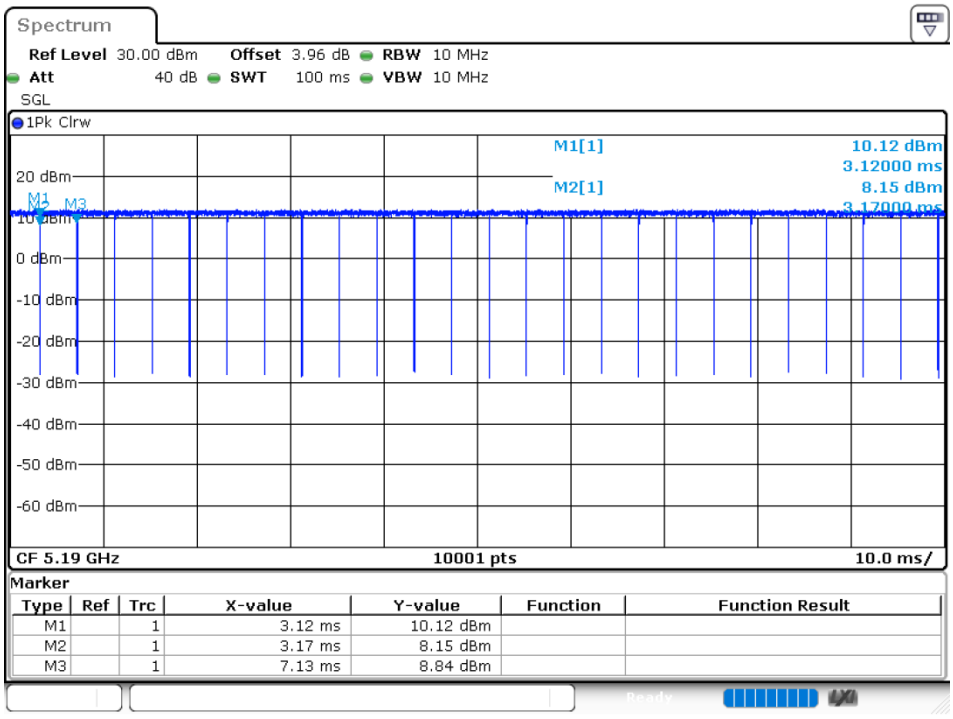
Duty Cycle NVNT ac20 5200MHz Ant2



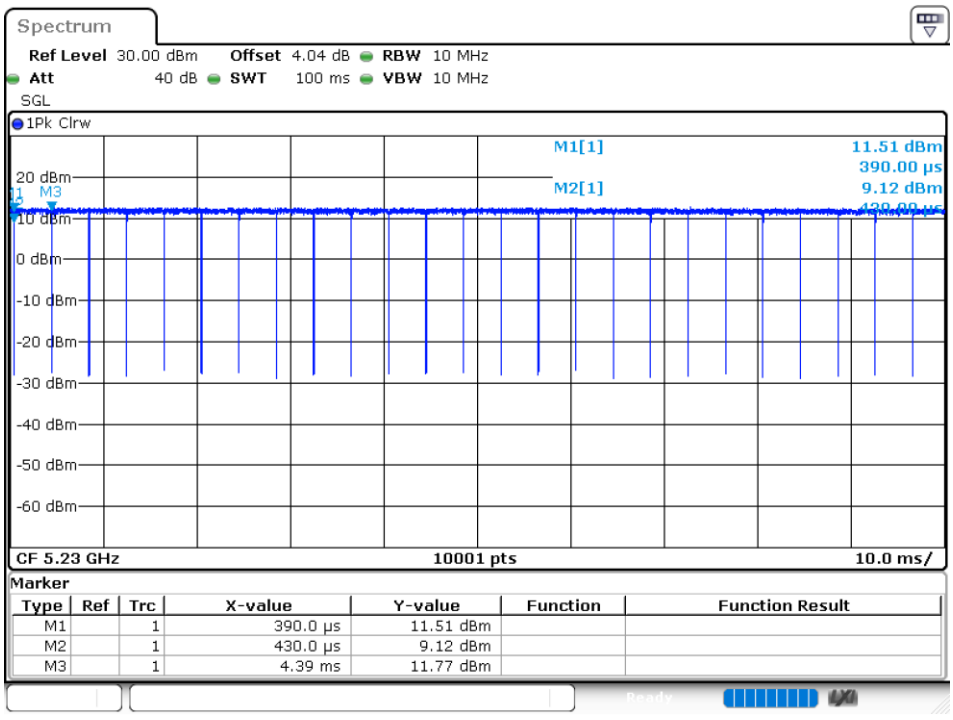
Duty Cycle NVNT ac20 5240MHz Ant2



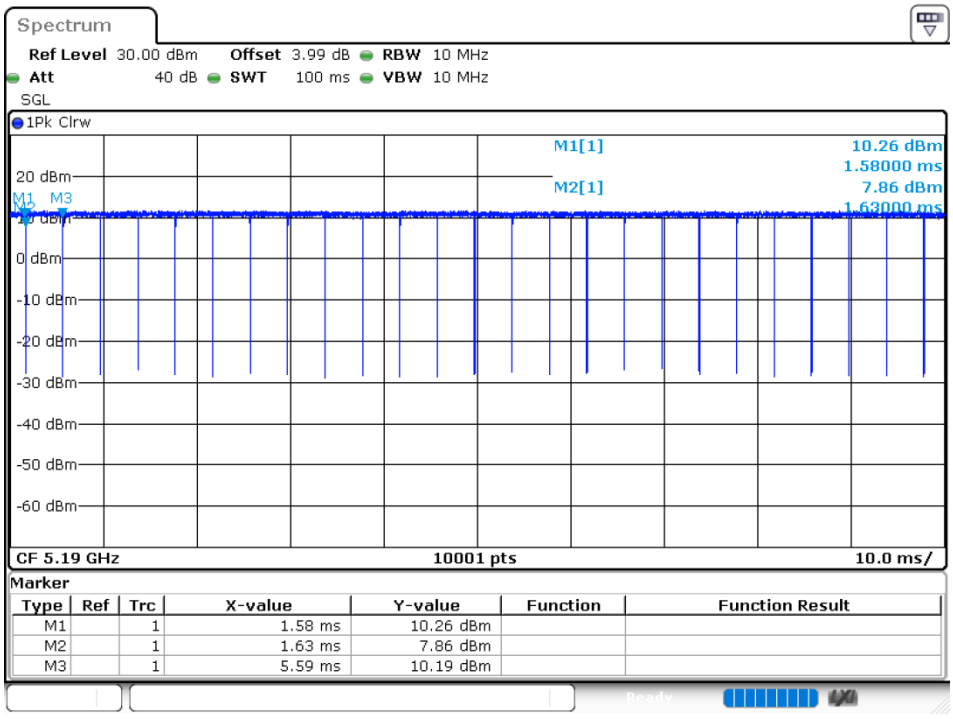
Duty Cycle NVNT ac40 5190MHz Ant1



Duty Cycle NVNT ac40 5230MHz Ant1



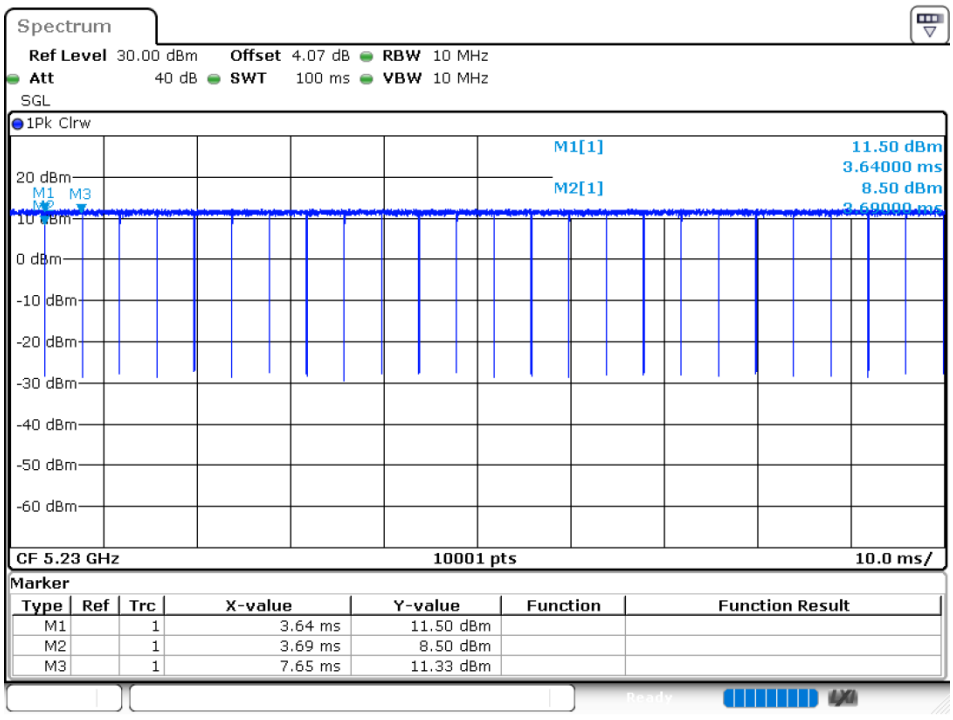
Duty Cycle NVNT ac40 5190MHz Ant2



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.58 ms	10.26 dBm		
M2		1	1.63 ms	7.86 dBm		
M3		1	5.59 ms	10.19 dBm		

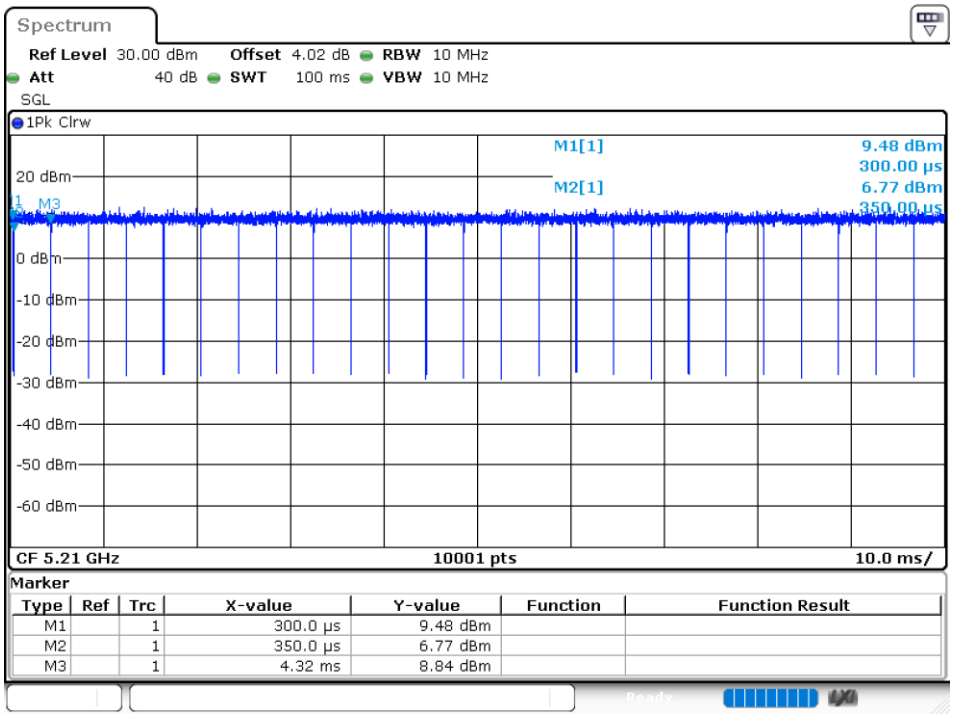
Duty Cycle NVNT ac40 5230MHz Ant2



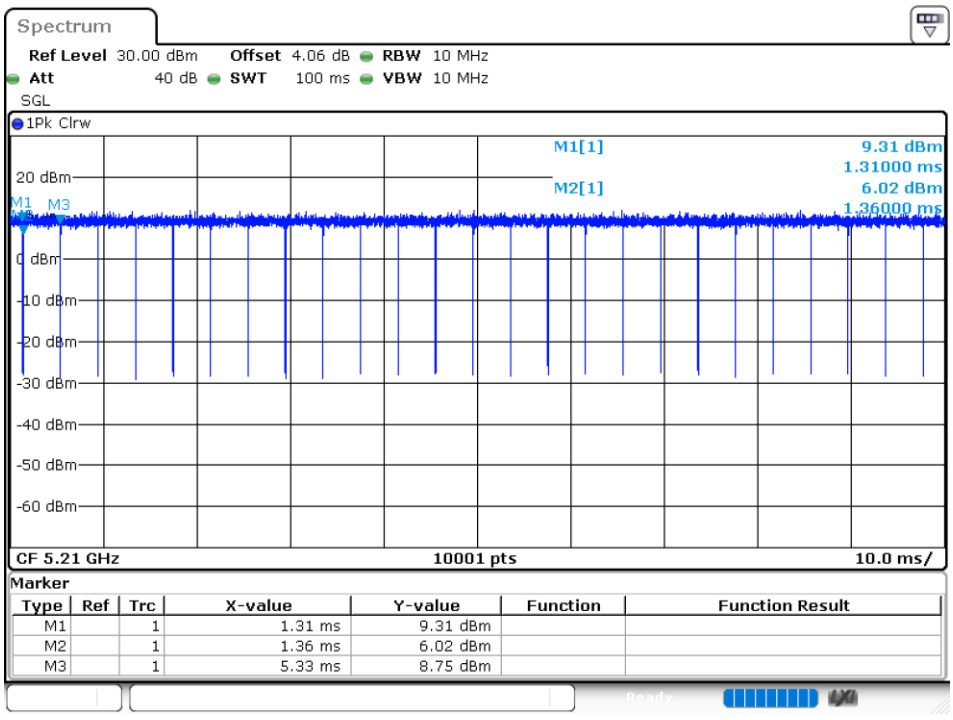
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	3.64 ms	11.50 dBm		
M2		1	3.69 ms	8.50 dBm		
M3		1	7.65 ms	11.33 dBm		

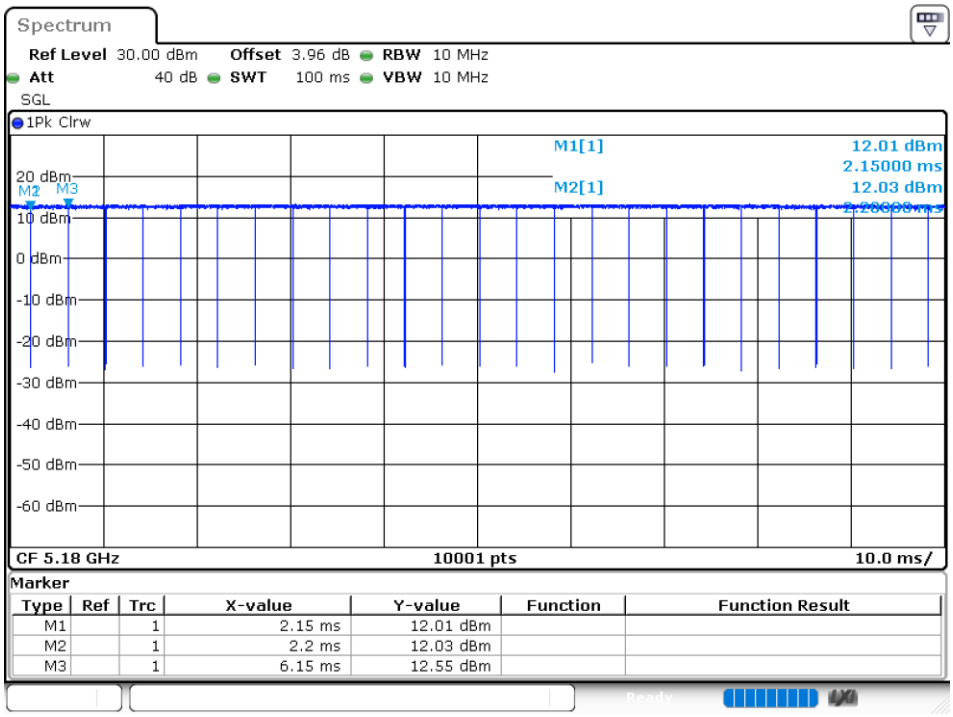
Duty Cycle NVNT ac80 5210MHz Ant1



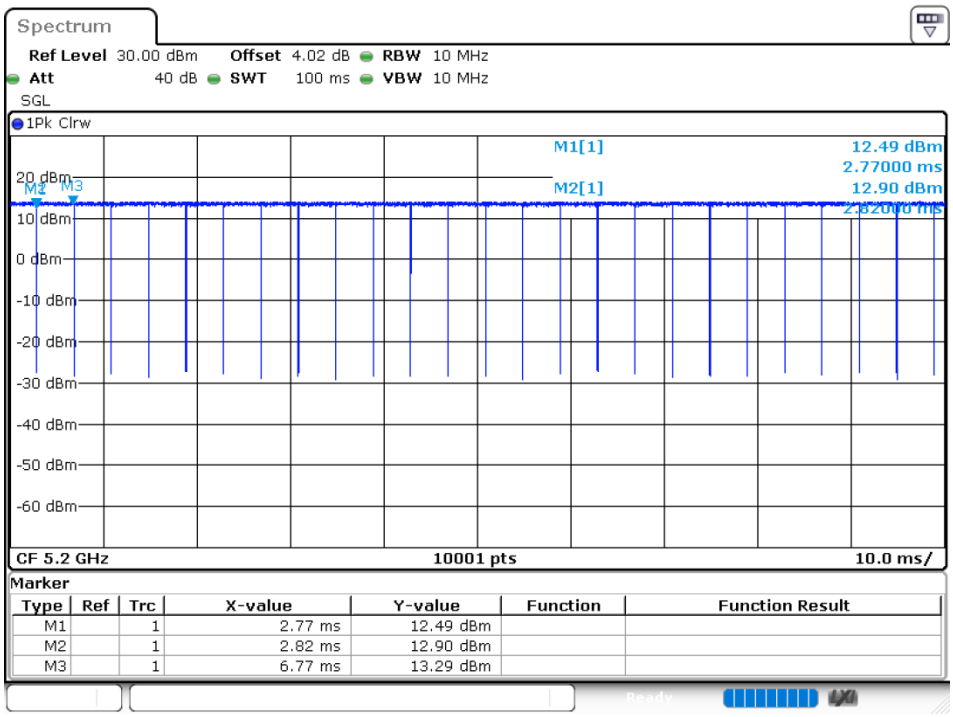
Duty Cycle NVNT ac80 5210MHz Ant2



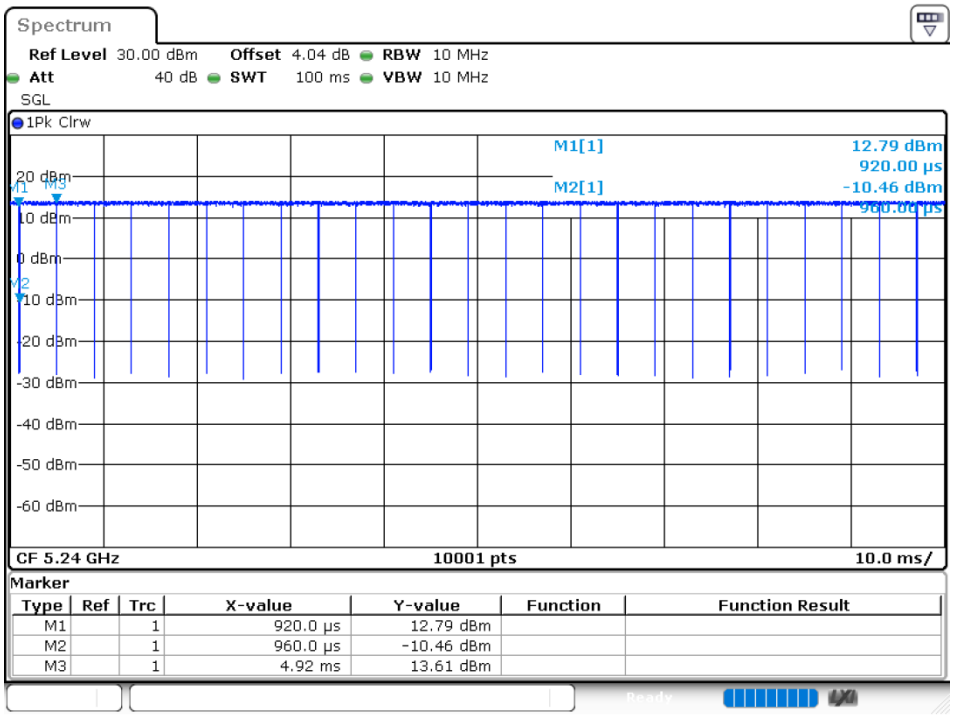
Duty Cycle NVNT ax20 5180MHz Ant1



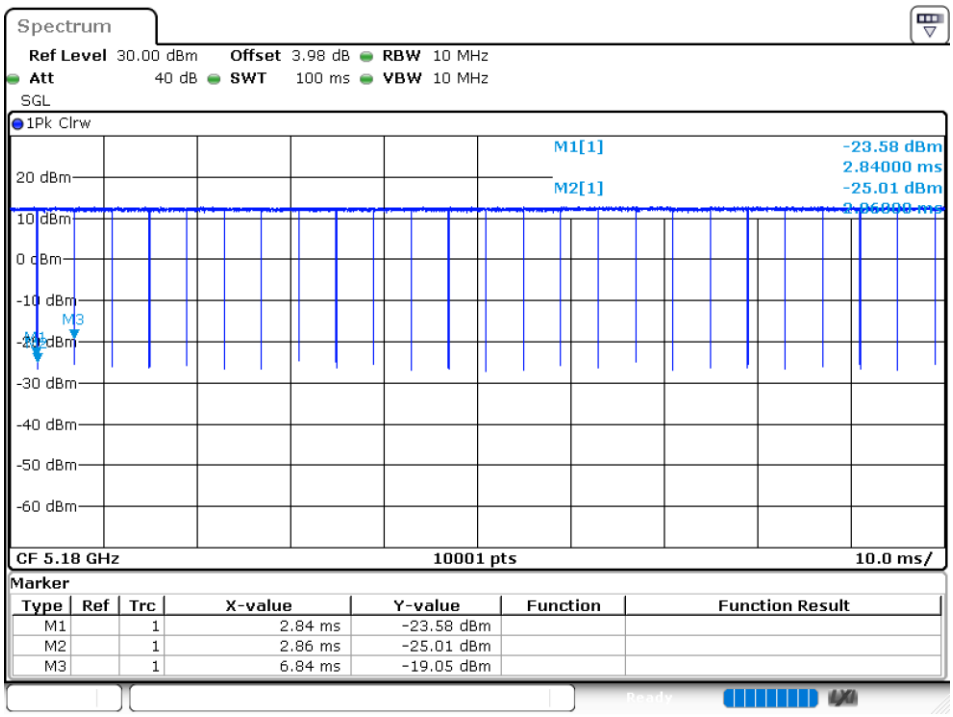
Duty Cycle NVNT ax20 5200MHz Ant1



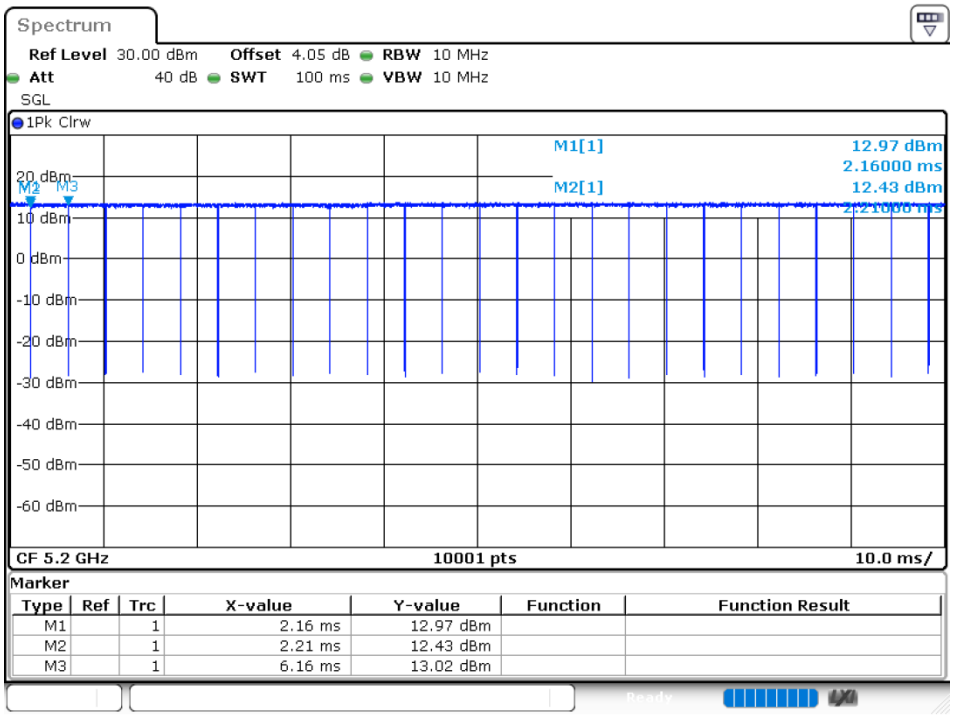
Duty Cycle NVNT ax20 5240MHz Ant1



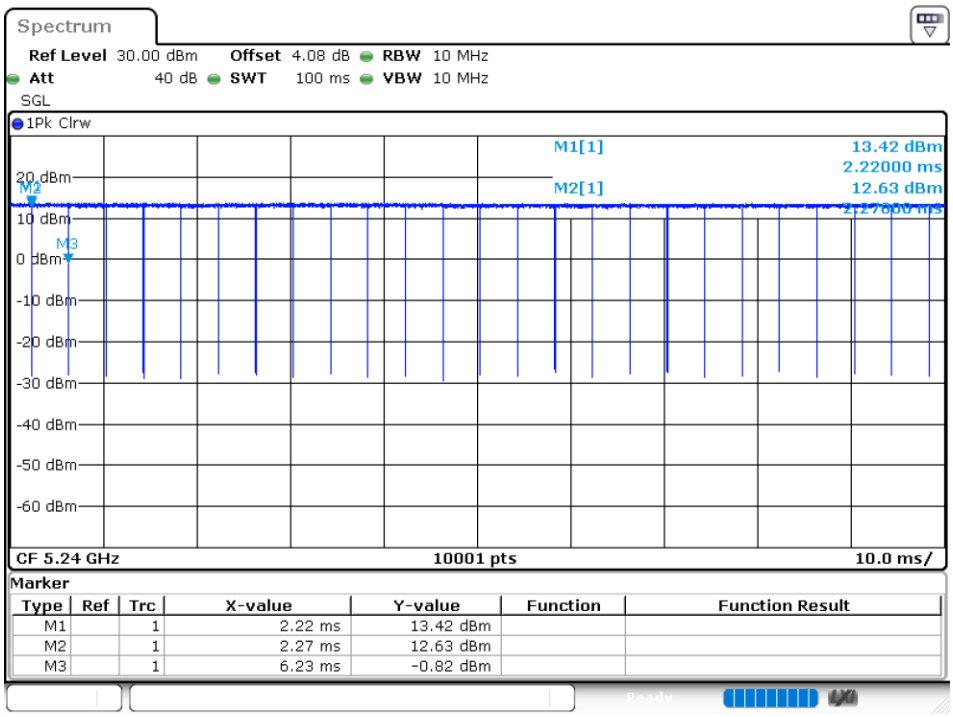
Duty Cycle NVNT ax20 5180MHz Ant2



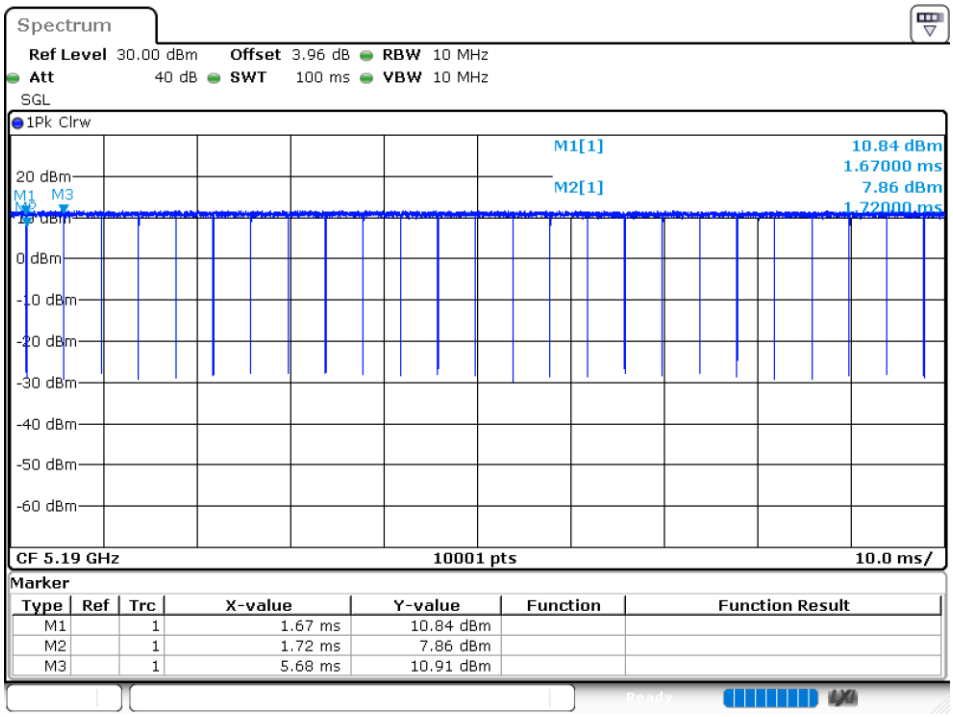
Duty Cycle NVNT ax20 5200MHz Ant2



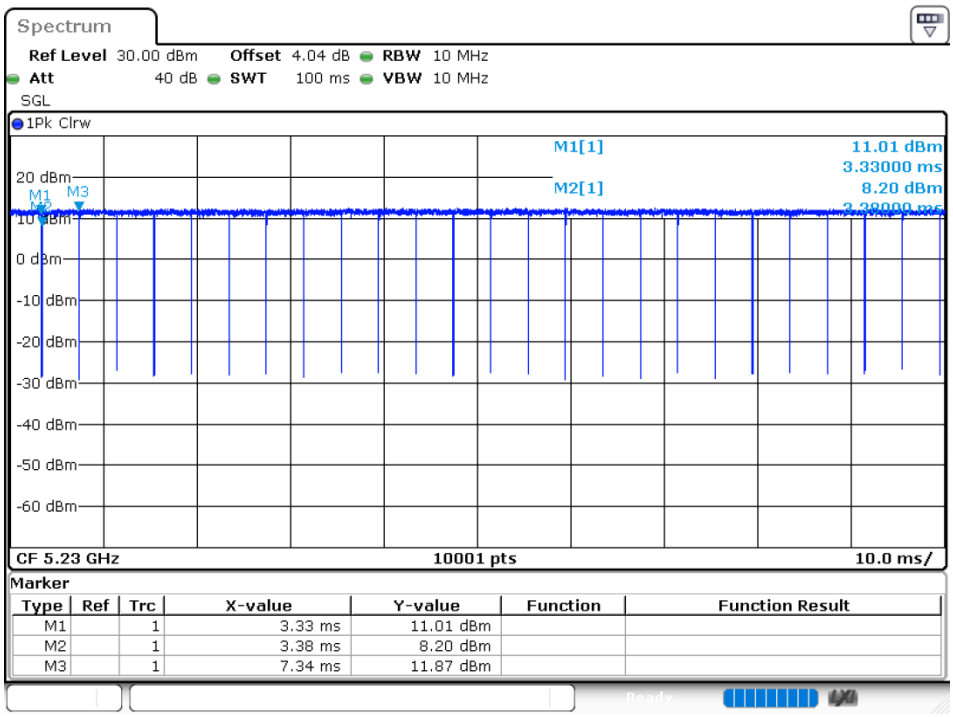
Duty Cycle NVNT ax20 5240MHz Ant2



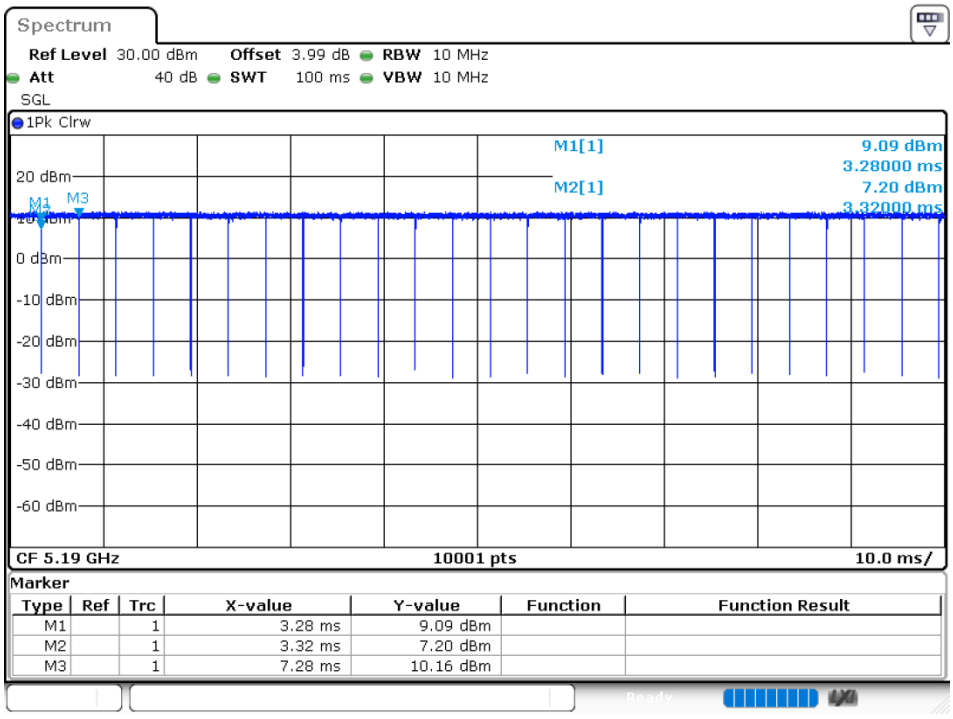
Duty Cycle NVNT ax40 5190MHz Ant1



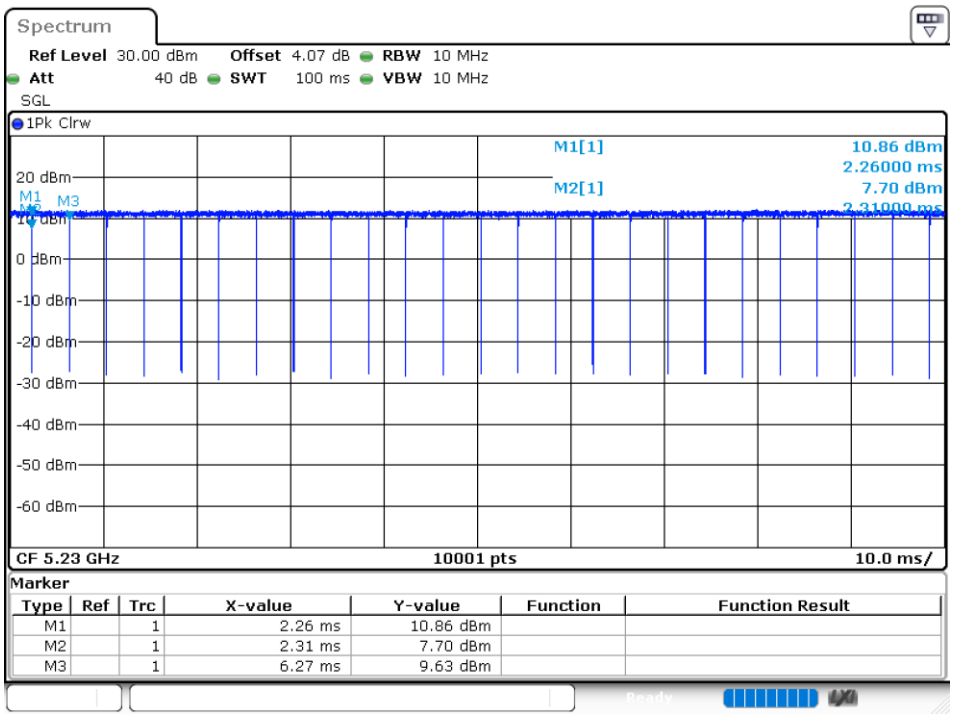
Duty Cycle NVNT ax40 5230MHz Ant1



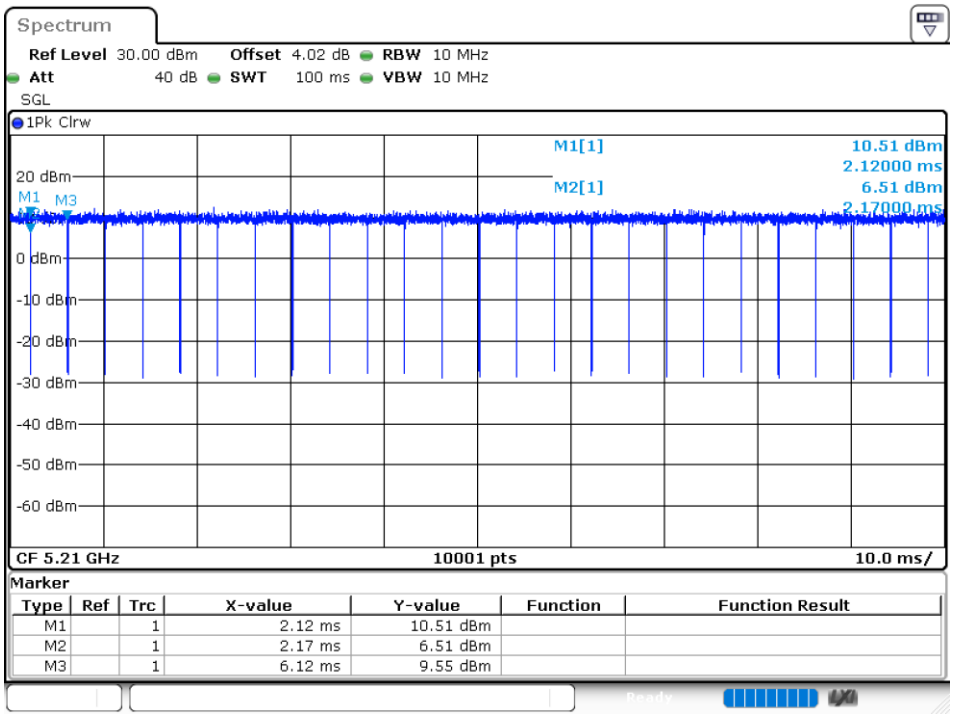
Duty Cycle NVNT ax40 5190MHz Ant2



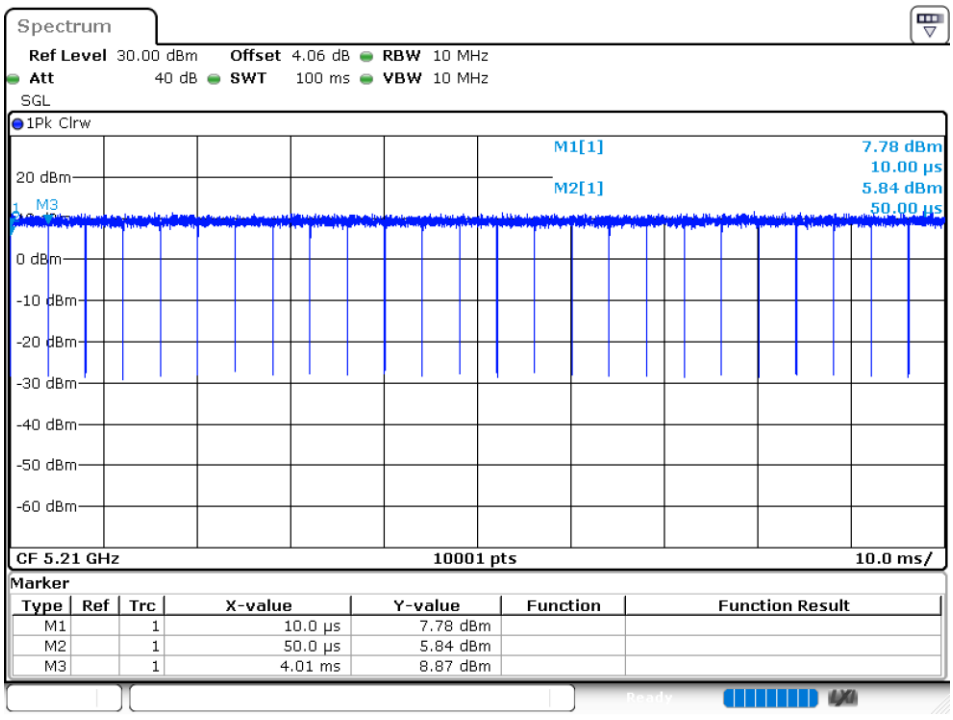
Duty Cycle NVNT ax40 5230MHz Ant2



Duty Cycle NVNT ax80 5210MHz Ant1



Duty Cycle NVNT ax80 5210MHz Ant2



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.56	0.07	11.63	24	Pass
NVNT	a	5200	Ant1	11.82	0.07	11.89	24	Pass
NVNT	a	5240	Ant1	11.87	0.07	11.94	24	Pass
NVNT	a	5180	Ant2	11.13	0.04	11.17	24	Pass
NVNT	a	5200	Ant2	11.16	0.04	11.2	24	Pass
NVNT	a	5240	Ant2	11.03	0.04	11.07	24	Pass
NVNT	n20	5180	Ant1	11.53	0.04	11.57	24	Pass
NVNT	n20	5200	Ant1	11.84	0.04	11.88	24	Pass
NVNT	n20	5240	Ant1	11.83	0.04	11.87	24	Pass
NVNT	n20	5180	Ant2	11.22	0.04	11.26	24	Pass
NVNT	n20	5200	Ant2	11.46	0.04	11.5	24	Pass
NVNT	n20	5240	Ant2	11.32	0.04	11.36	24	Pass
NVNT	n40	5190	Ant1	11.92	0.04	11.96	24	Pass
NVNT	n40	5230	Ant1	12.17	0.04	12.21	24	Pass
NVNT	n40	5190	Ant2	11.53	0.04	11.57	24	Pass
NVNT	n40	5230	Ant2	11.59	0.04	11.63	24	Pass
NVNT	ac20	5180	Ant1	11.47	0.04	11.51	24	Pass
NVNT	ac20	5200	Ant1	11.68	0.04	11.72	24	Pass
NVNT	ac20	5240	Ant1	11.87	0.04	11.91	24	Pass
NVNT	ac20	5180	Ant2	11.13	0.04	11.17	24	Pass
NVNT	ac20	5200	Ant2	11.38	0.04	11.42	24	Pass
NVNT	ac20	5240	Ant2	11.29	0.04	11.33	24	Pass
NVNT	ac40	5190	Ant1	11.85	0.04	11.89	24	Pass
NVNT	ac40	5230	Ant1	12.22	0.04	12.26	24	Pass
NVNT	ac40	5190	Ant2	11.54	0.04	11.58	24	Pass
NVNT	ac40	5230	Ant2	11.73	0.04	11.77	24	Pass
NVNT	ac80	5210	Ant1	12.29	0.04	12.33	24	Pass
NVNT	ac80	5210	Ant2	11.86	0.04	11.9	24	Pass
NVNT	ax20	5180	Ant1	11.43	0.04	11.47	24	Pass
NVNT	ax20	5200	Ant1	11.72	0.04	11.76	24	Pass
NVNT	ax20	5240	Ant1	11.76	0.04	11.8	24	Pass
NVNT	ax20	5180	Ant2	11.02	0.03	11.05	24	Pass
NVNT	ax20	5200	Ant2	11.25	0.04	11.29	24	Pass
NVNT	ax20	5240	Ant2	11.09	0.04	11.13	24	Pass
NVNT	ax40	5190	Ant1	11.59	0.04	11.63	24	Pass
NVNT	ax40	5230	Ant1	11.92	0.04	11.96	24	Pass
NVNT	ax40	5190	Ant2	11.36	0.04	11.4	24	Pass
NVNT	ax40	5230	Ant2	11.24	0.04	11.28	24	Pass
NVNT	ax80	5210	Ant1	12.01	0.04	12.05	24	Pass

NVNT	ax80	5210	Ant2	11.56	0.04	11.6	24	Pass

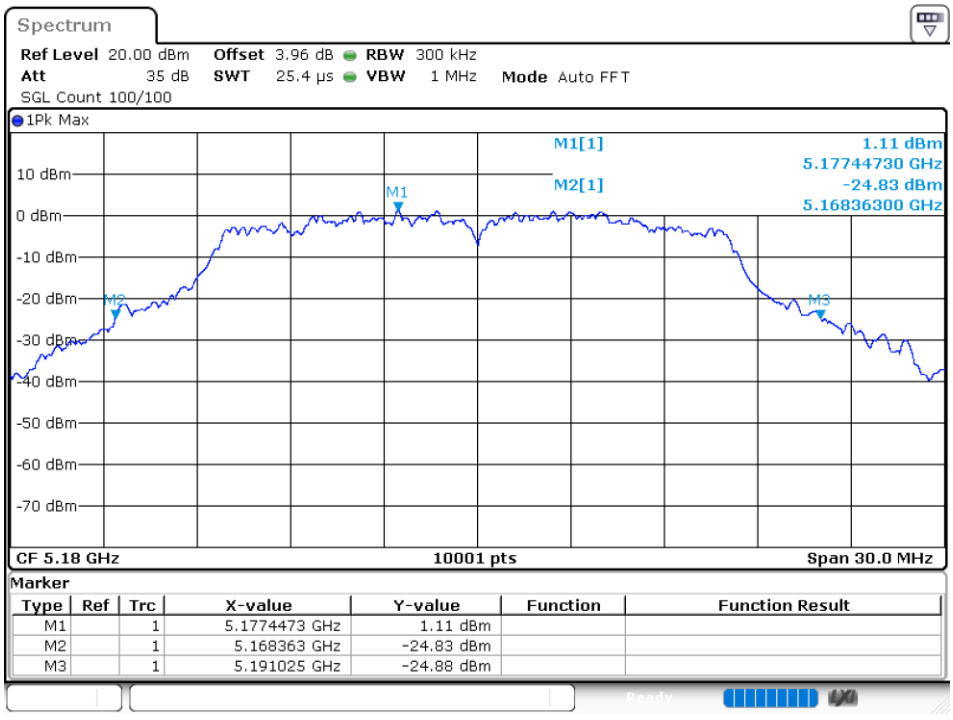
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.662	Pass
NVNT	a	5200	Ant1	22.659	Pass
NVNT	a	5240	Ant1	21.813	Pass
NVNT	a	5180	Ant2	22.812	Pass
NVNT	a	5200	Ant2	22.386	Pass
NVNT	a	5240	Ant2	23.817	Pass
NVNT	n20	5180	Ant1	23.172	Pass
NVNT	n20	5200	Ant1	22.836	Pass
NVNT	n20	5240	Ant1	21.765	Pass
NVNT	n20	5180	Ant2	23.211	Pass
NVNT	n20	5200	Ant2	22.644	Pass
NVNT	n20	5240	Ant2	23.082	Pass
NVNT	n40	5190	Ant1	43.824	Pass
NVNT	n40	5230	Ant1	42.828	Pass
NVNT	n40	5190	Ant2	43.434	Pass
NVNT	n40	5230	Ant2	43.086	Pass
NVNT	ac20	5180	Ant1	24.066	Pass
NVNT	ac20	5200	Ant1	22.86	Pass
NVNT	ac20	5240	Ant1	23.241	Pass
NVNT	ac20	5180	Ant2	23.31	Pass
NVNT	ac20	5200	Ant2	22.77	Pass
NVNT	ac20	5240	Ant2	22.83	Pass
NVNT	ac40	5190	Ant1	44.076	Pass
NVNT	ac40	5230	Ant1	43.032	Pass
NVNT	ac40	5190	Ant2	42.906	Pass
NVNT	ac40	5230	Ant2	43.128	Pass
NVNT	ac80	5210	Ant1	85.908	Pass
NVNT	ac80	5210	Ant2	84.876	Pass
NVNT	ax20	5180	Ant1	22.965	Pass
NVNT	ax20	5200	Ant1	22.125	Pass
NVNT	ax20	5240	Ant1	23.004	Pass
NVNT	ax20	5180	Ant2	22.224	Pass
NVNT	ax20	5200	Ant2	21.072	Pass
NVNT	ax20	5240	Ant2	21.888	Pass
NVNT	ax40	5190	Ant1	43.884	Pass
NVNT	ax40	5230	Ant1	42.264	Pass
NVNT	ax40	5190	Ant2	42.45	Pass

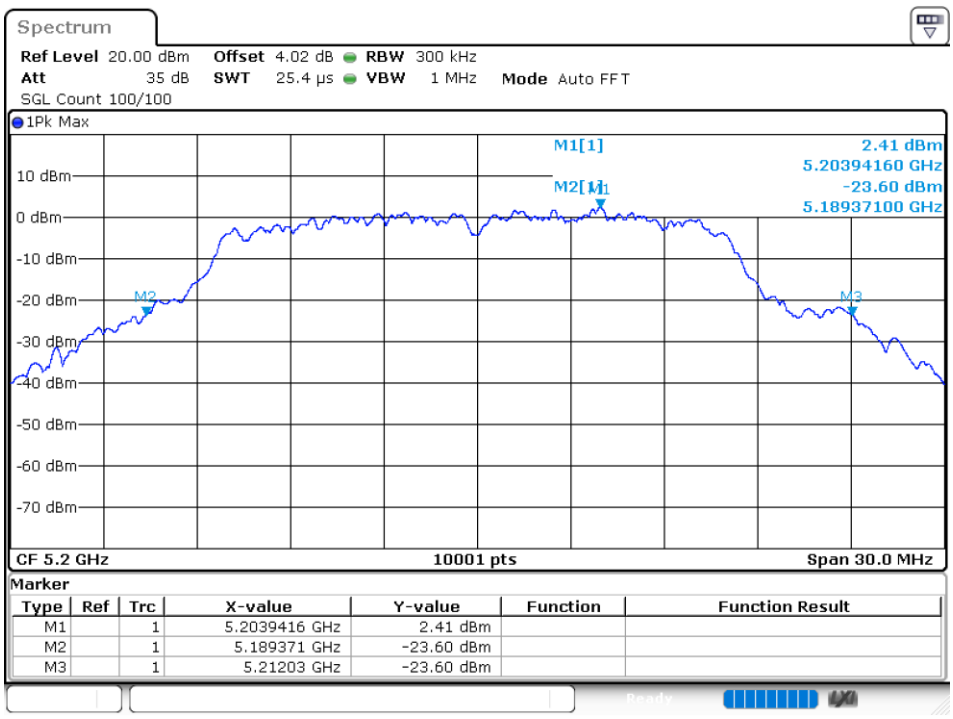
NVNT	ax40	5230	Ant2	42.624	0.5	Pass
NVNT	ax80	5210	Ant1	83.52	0.5	Pass
NVNT	ax80	5210	Ant2	83.208	0.5	Pass

Test Graphs

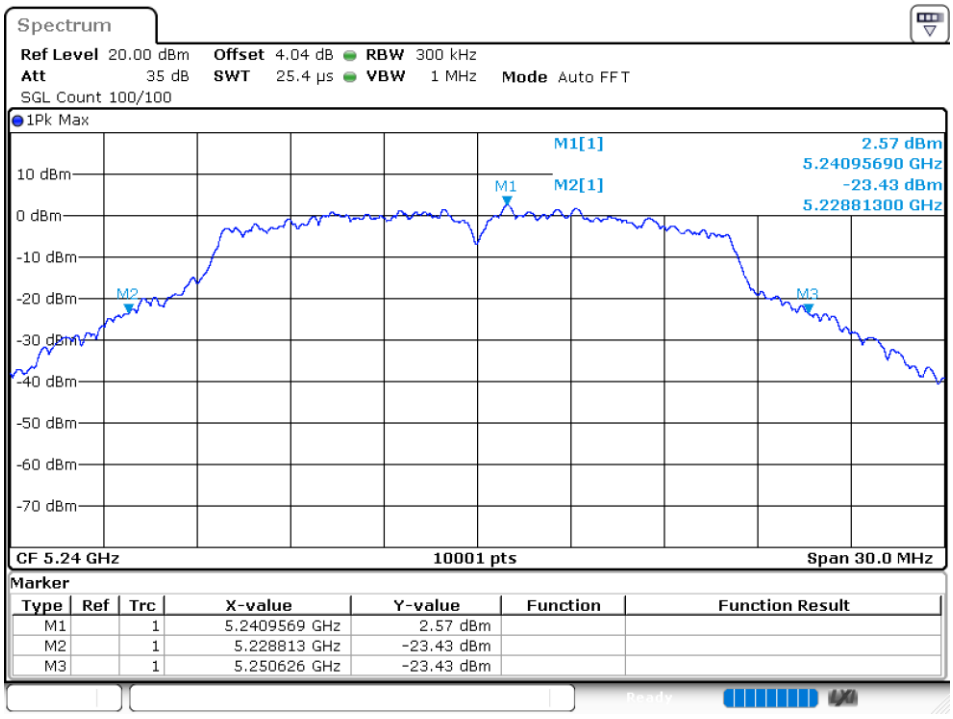
-26dB Bandwidth NVNT a 5180MHz Ant1



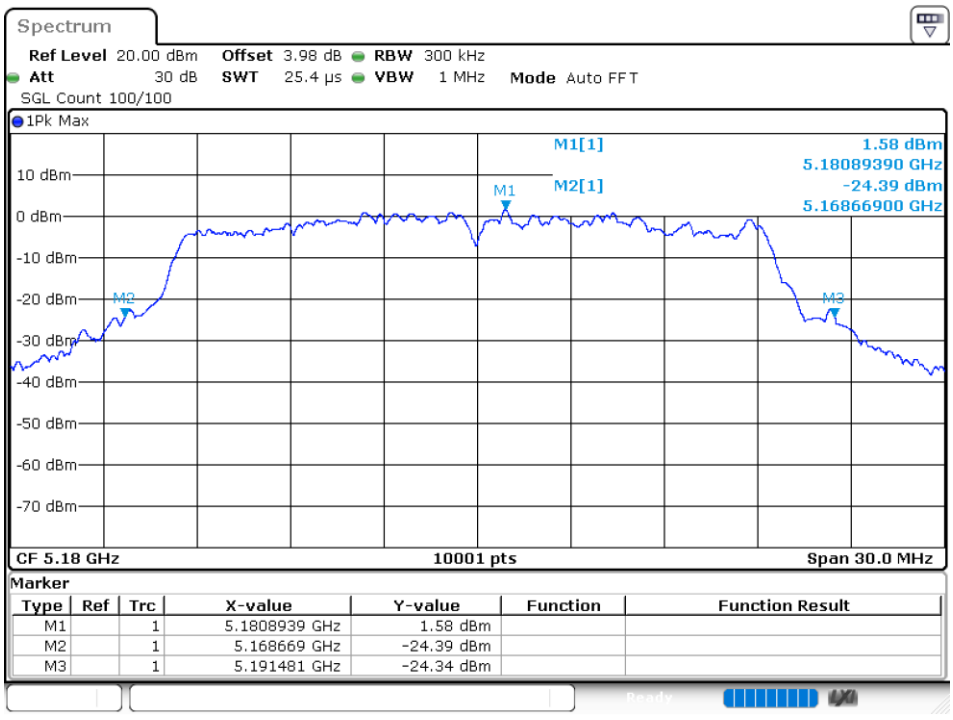
-26dB Bandwidth NVNT a 5200MHz Ant1



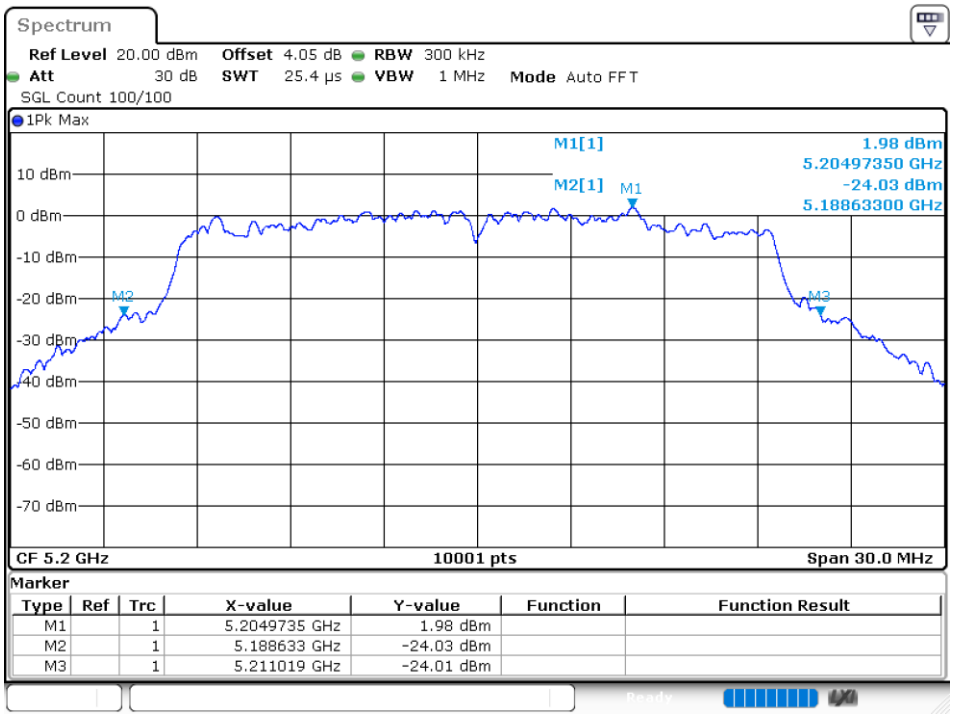
-26dB Bandwidth NVNT a 5240MHz Ant1



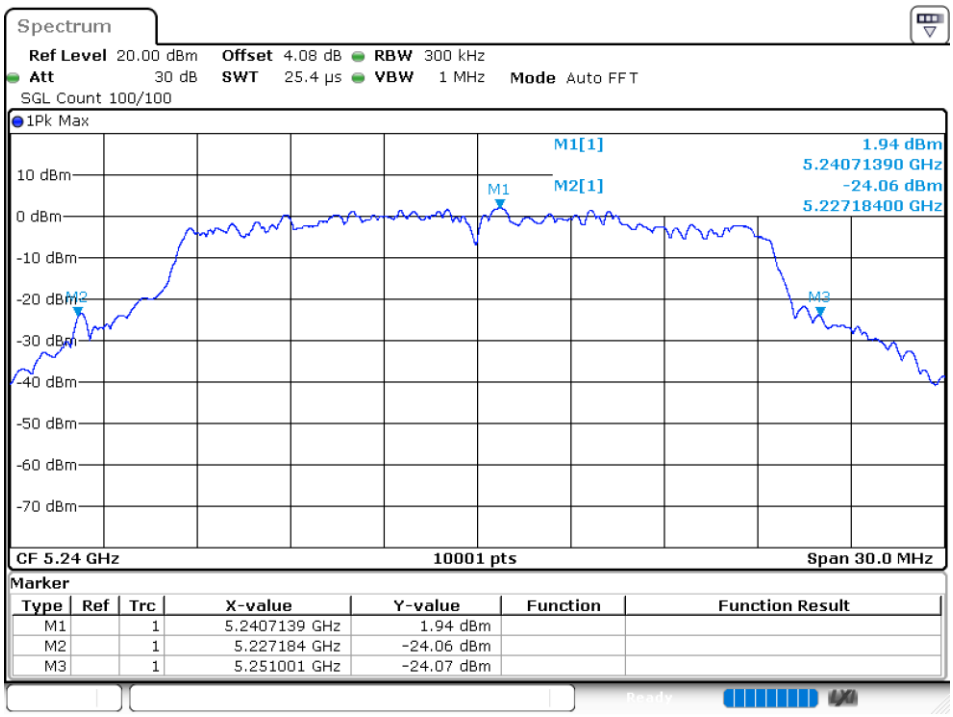
-26dB Bandwidth NVNT a 5180MHz Ant2



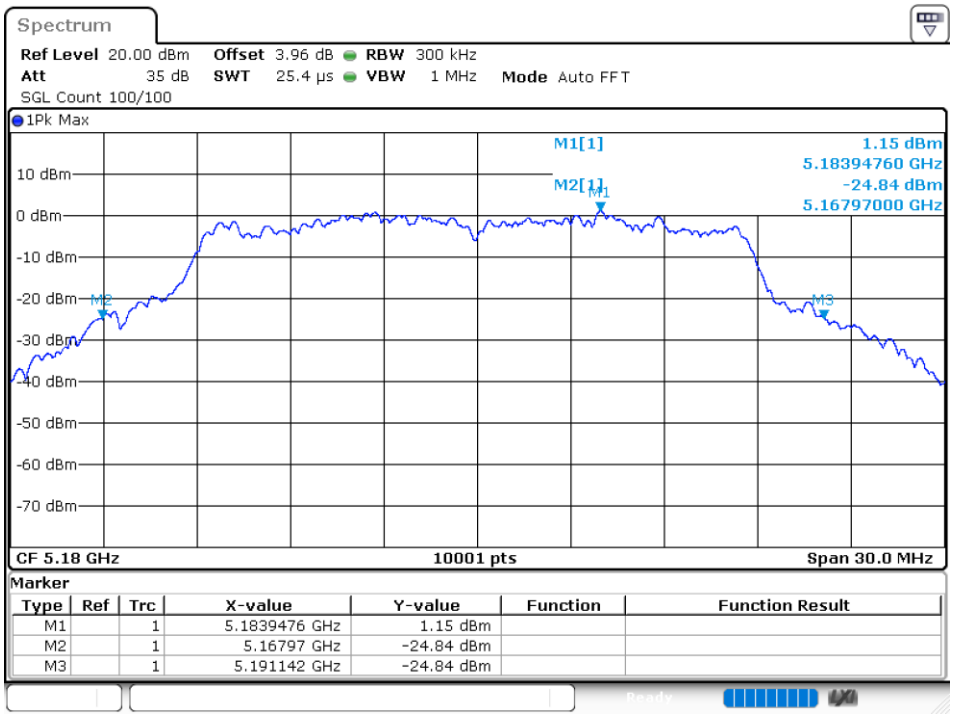
-26dB Bandwidth NVNT a 5200MHz Ant2



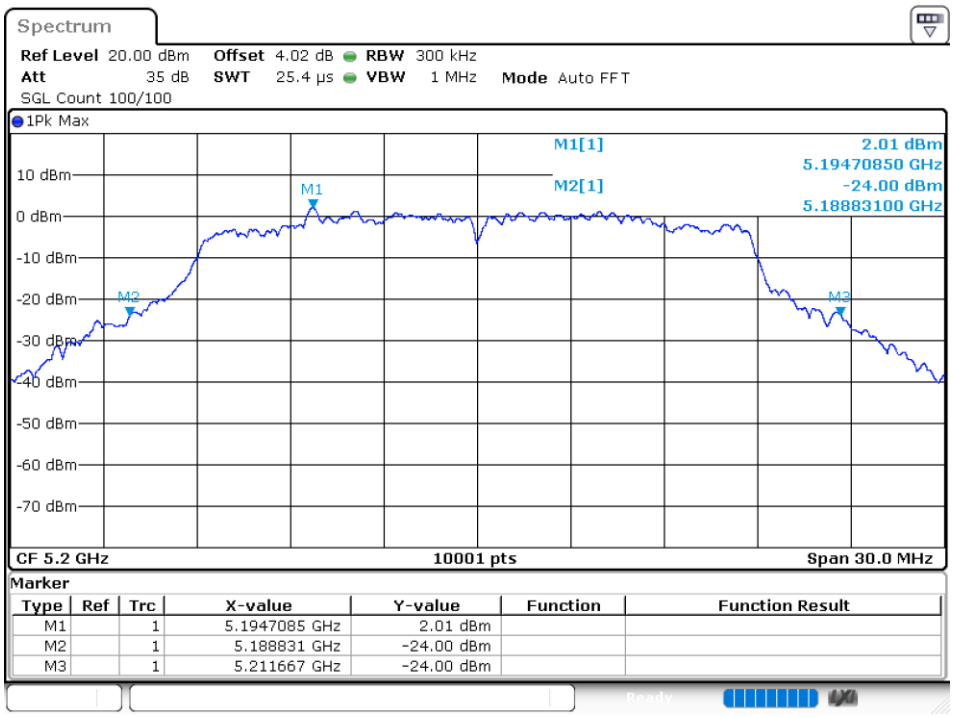
-26dB Bandwidth NVNT a 5240MHz Ant2



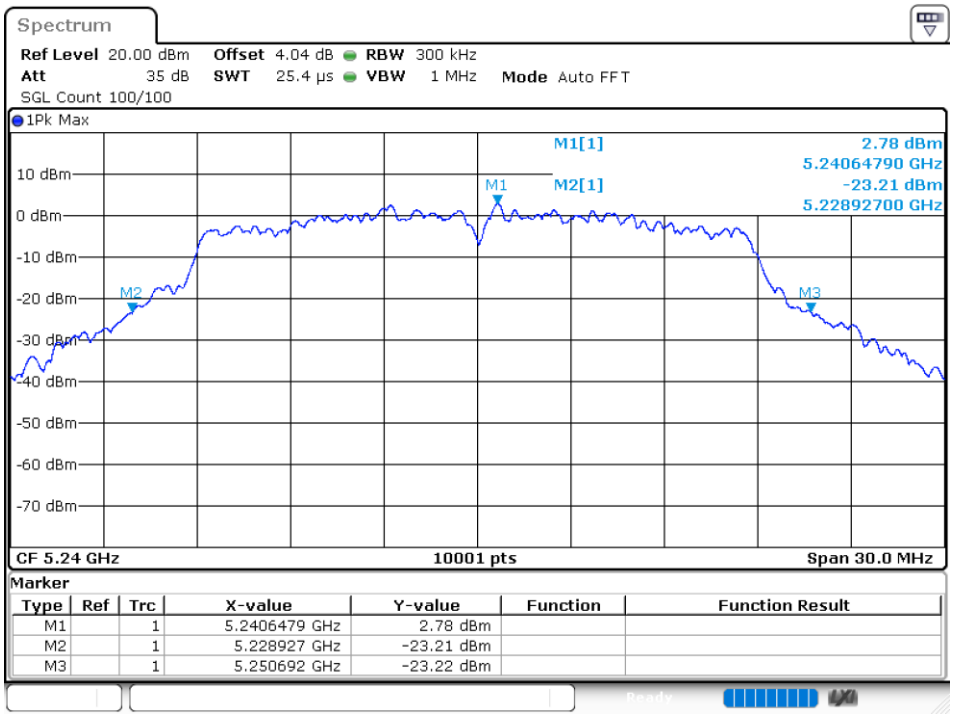
-26dB Bandwidth NVNT n20 5180MHz Ant1



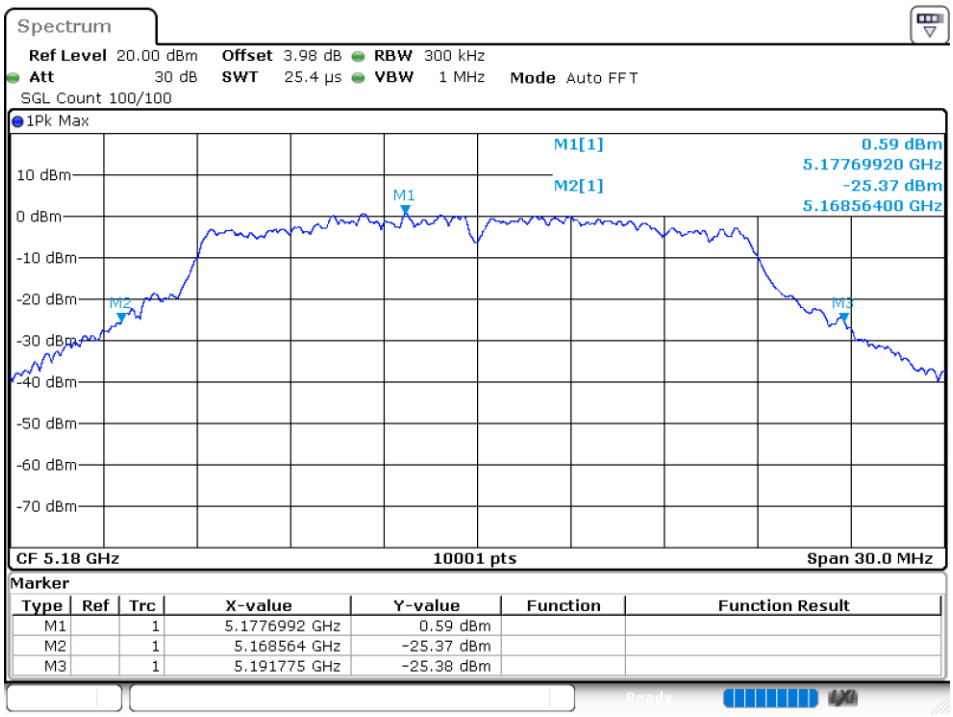
-26dB Bandwidth NVNT n20 5200MHz Ant1



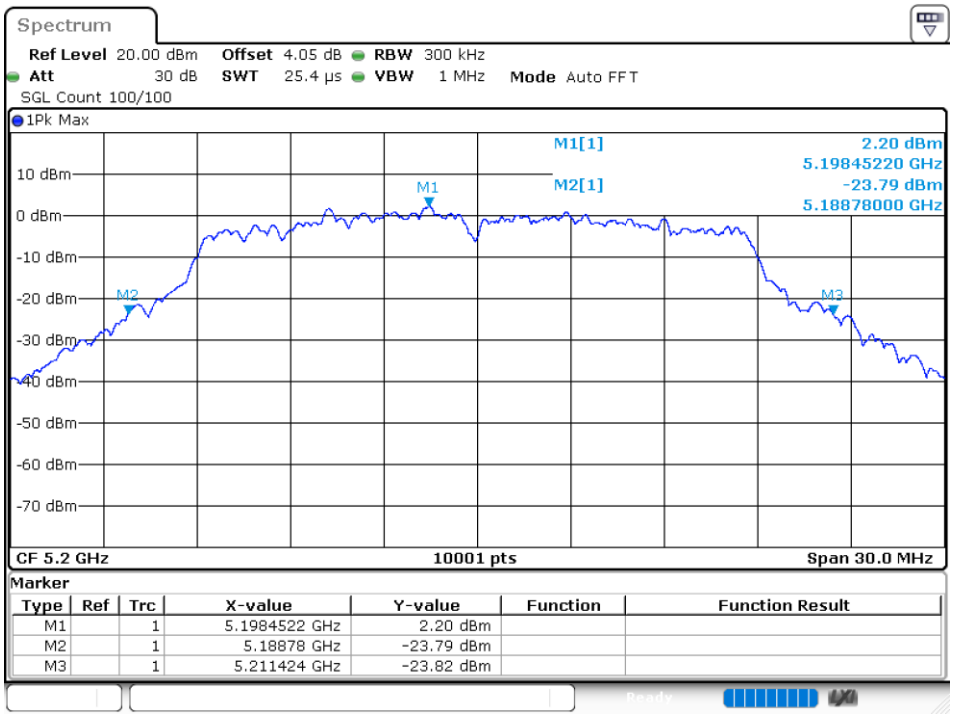
-26dB Bandwidth NVNT n20 5240MHz Ant1



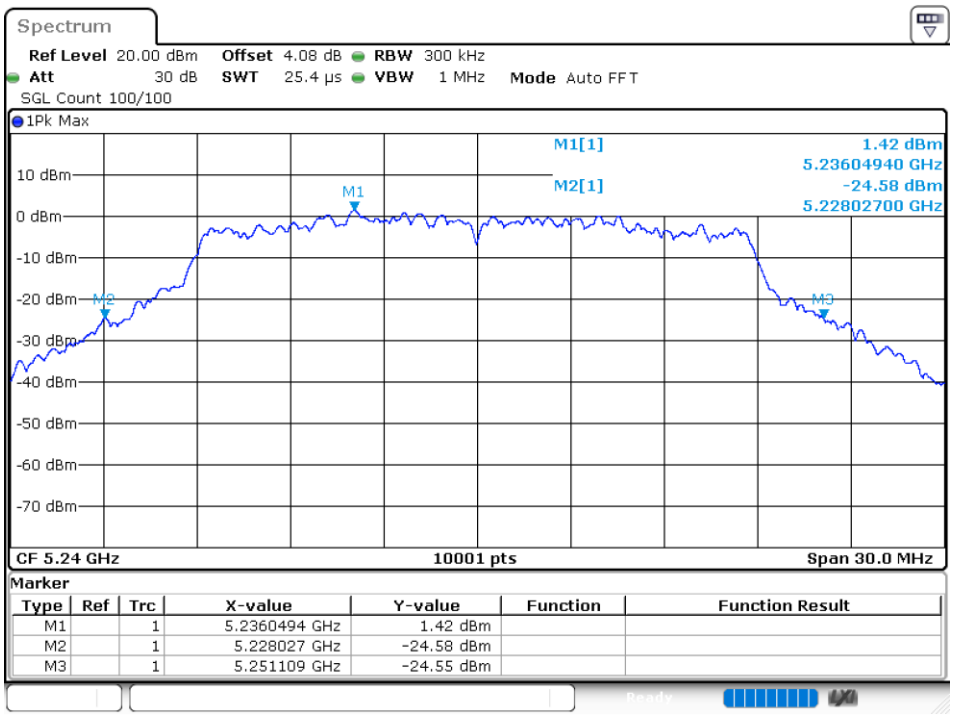
-26dB Bandwidth NVNT n20 5180MHz Ant2



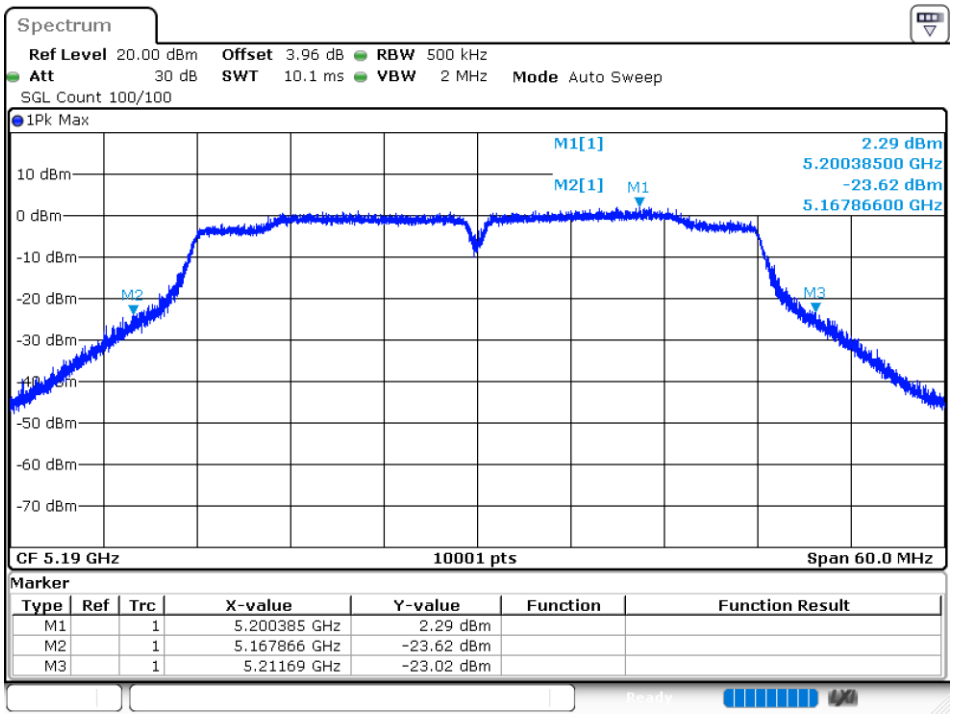
-26dB Bandwidth NVNT n20 5200MHz Ant2



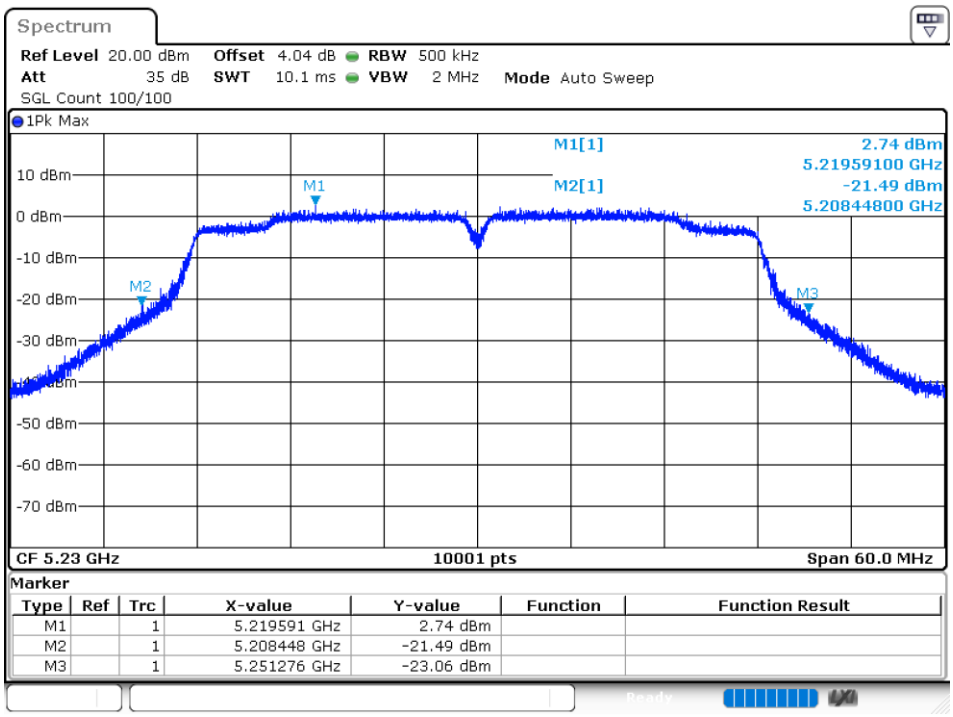
-26dB Bandwidth NVNT n20 5240MHz Ant2



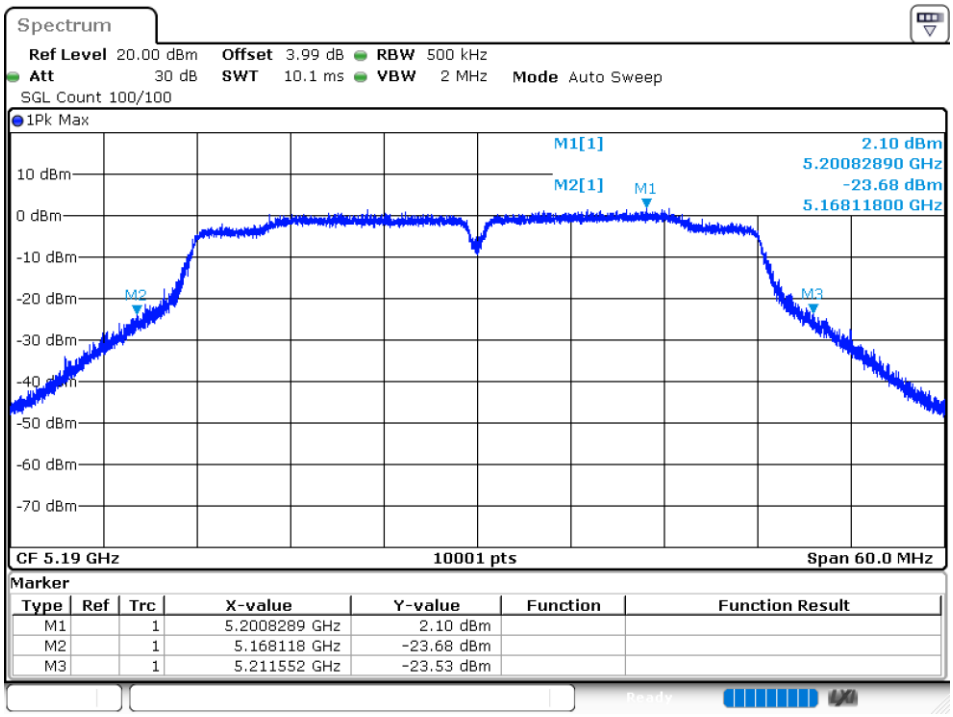
-26dB Bandwidth NVNT n40 5190MHz Ant1



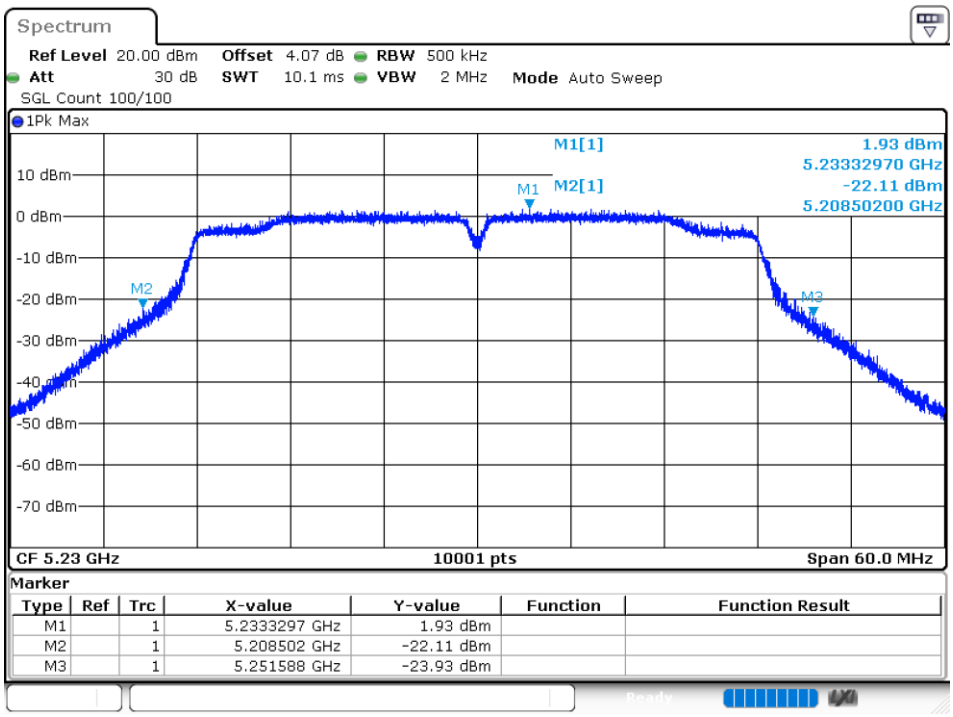
-26dB Bandwidth NVNT n40 5230MHz Ant1



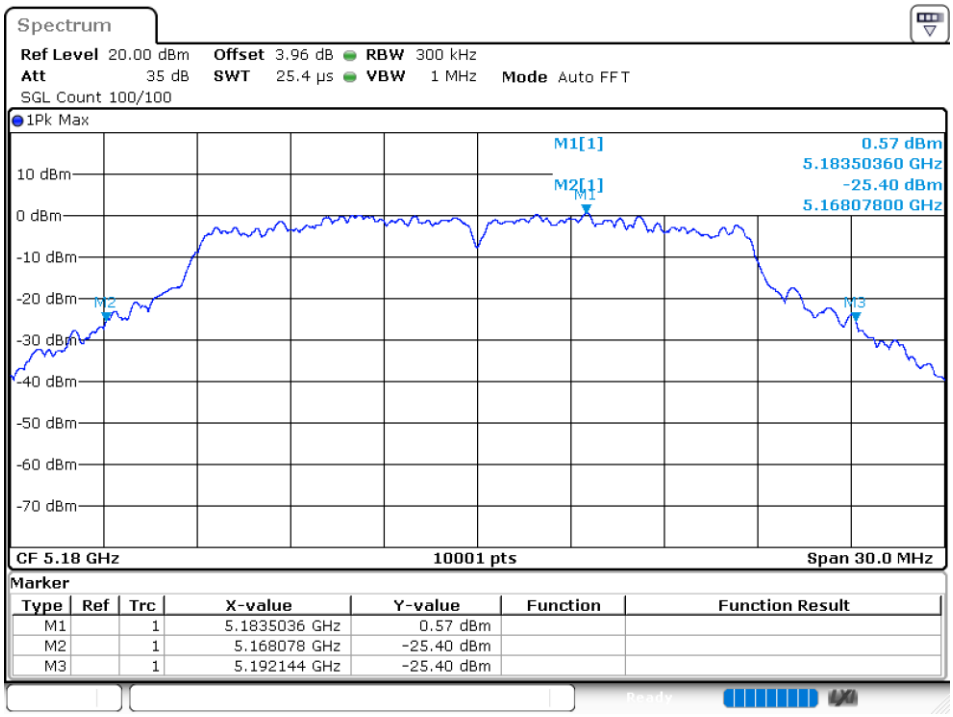
-26dB Bandwidth NVNT n40 5190MHz Ant2



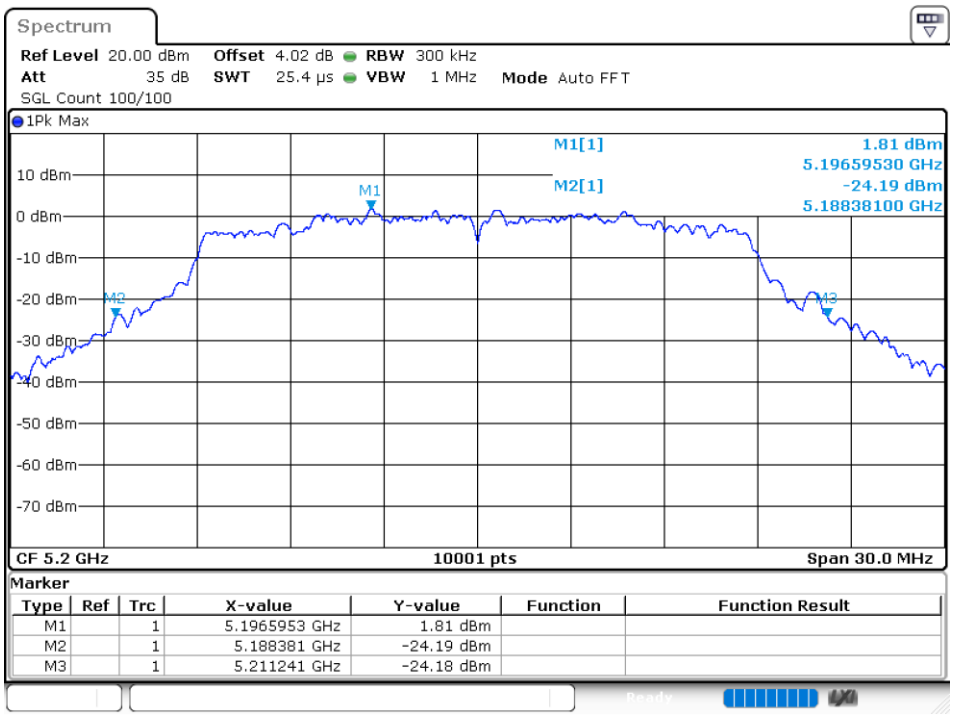
-26dB Bandwidth NVNT n40 5230MHz Ant2



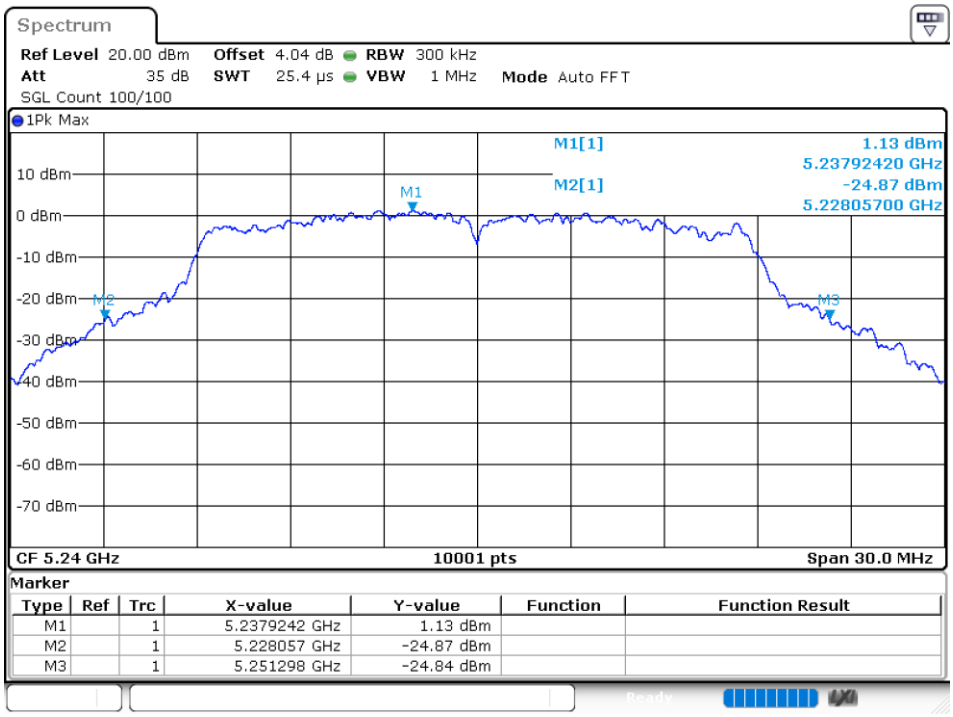
-26dB Bandwidth NVNT ac20 5180MHz Ant1



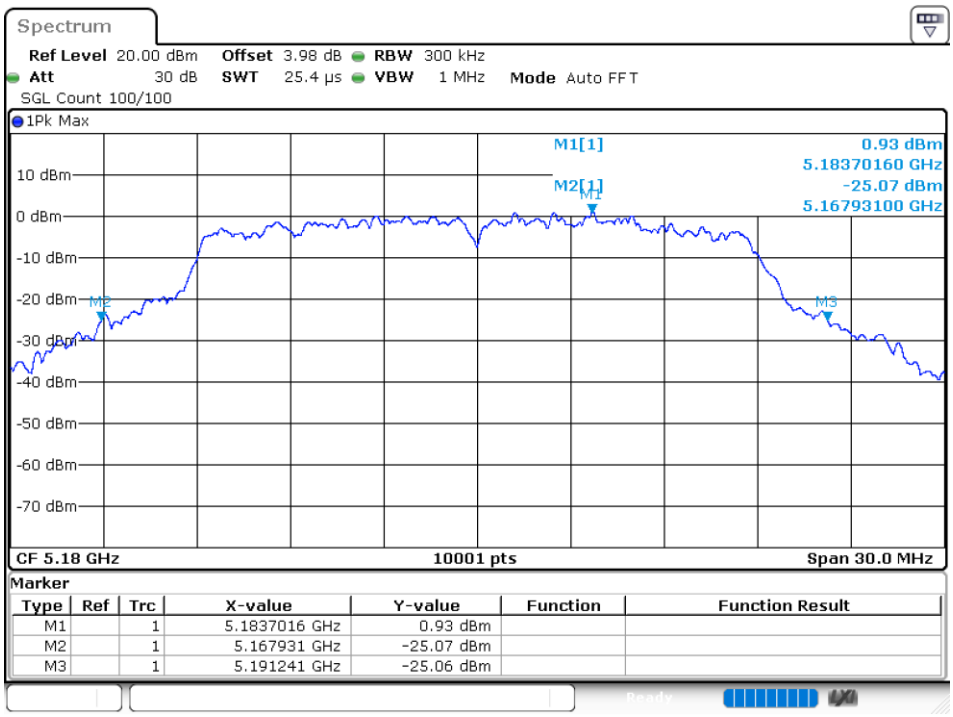
-26dB Bandwidth NVNT ac20 5200MHz Ant1



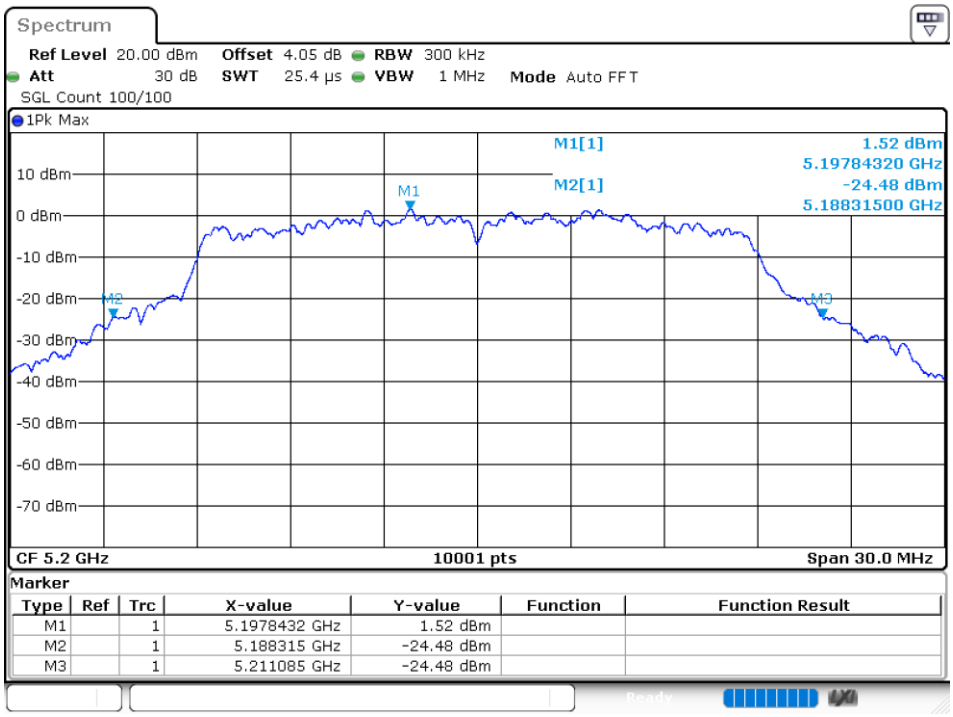
-26dB Bandwidth NVNT ac20 5240MHz Ant1



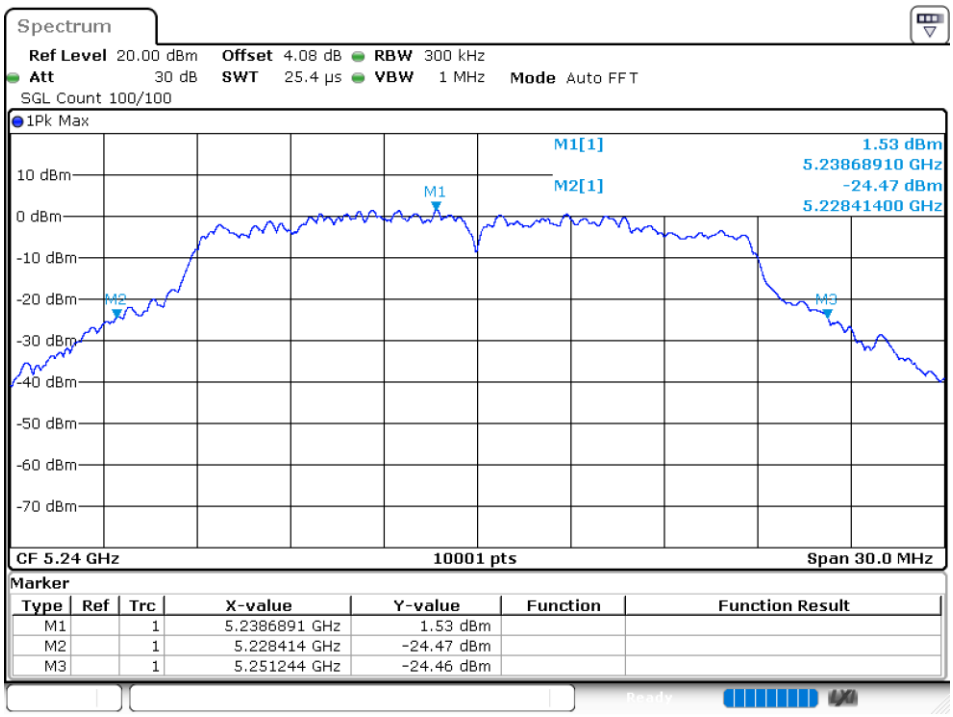
-26dB Bandwidth NVNT ac20 5180MHz Ant2



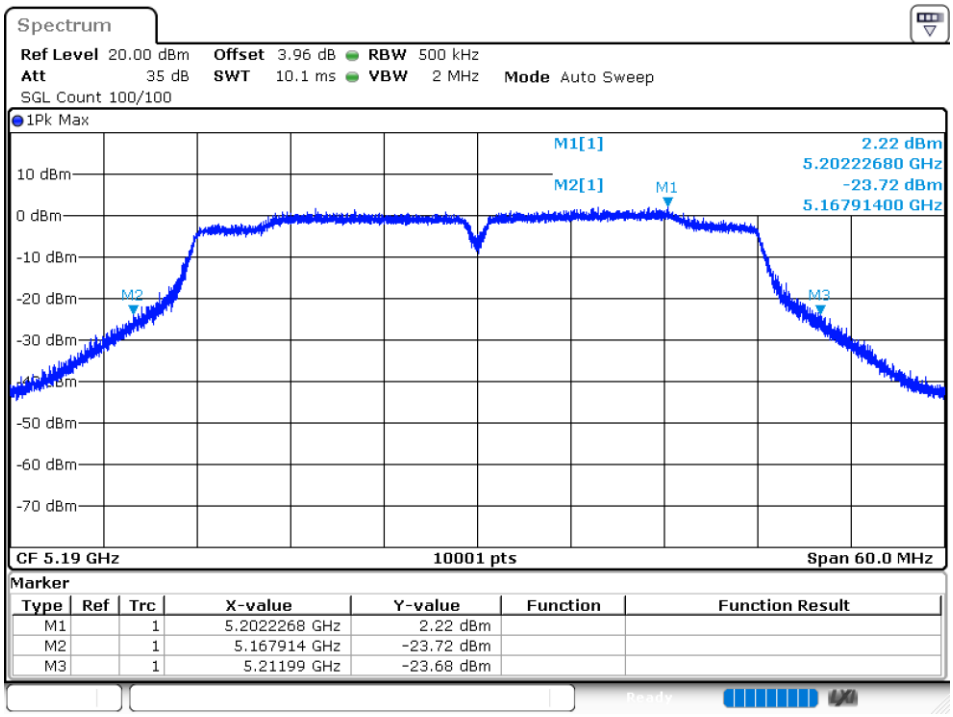
-26dB Bandwidth NVNT ac20 5200MHz Ant2



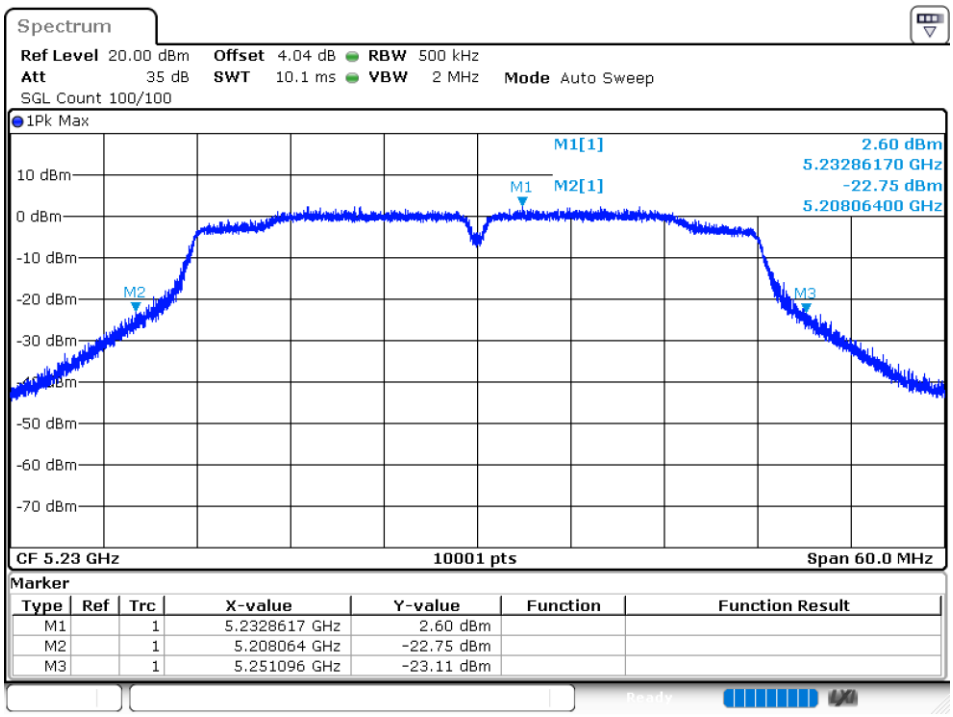
-26dB Bandwidth NVNT ac20 5240MHz Ant2



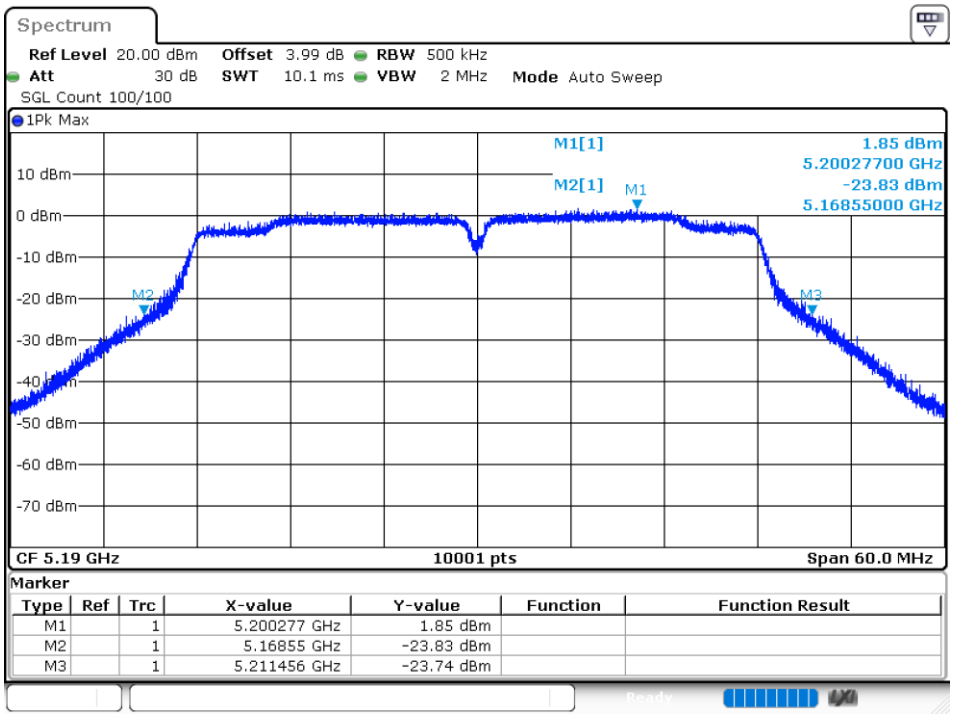
-26dB Bandwidth NVNT ac40 5190MHz Ant1



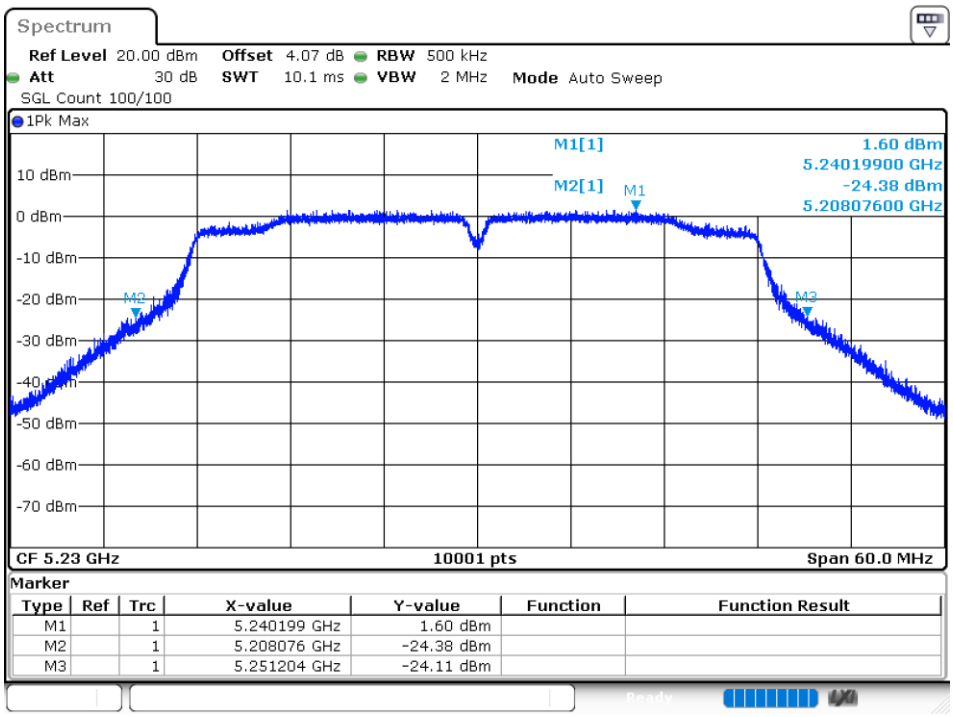
-26dB Bandwidth NVNT ac40 5230MHz Ant1



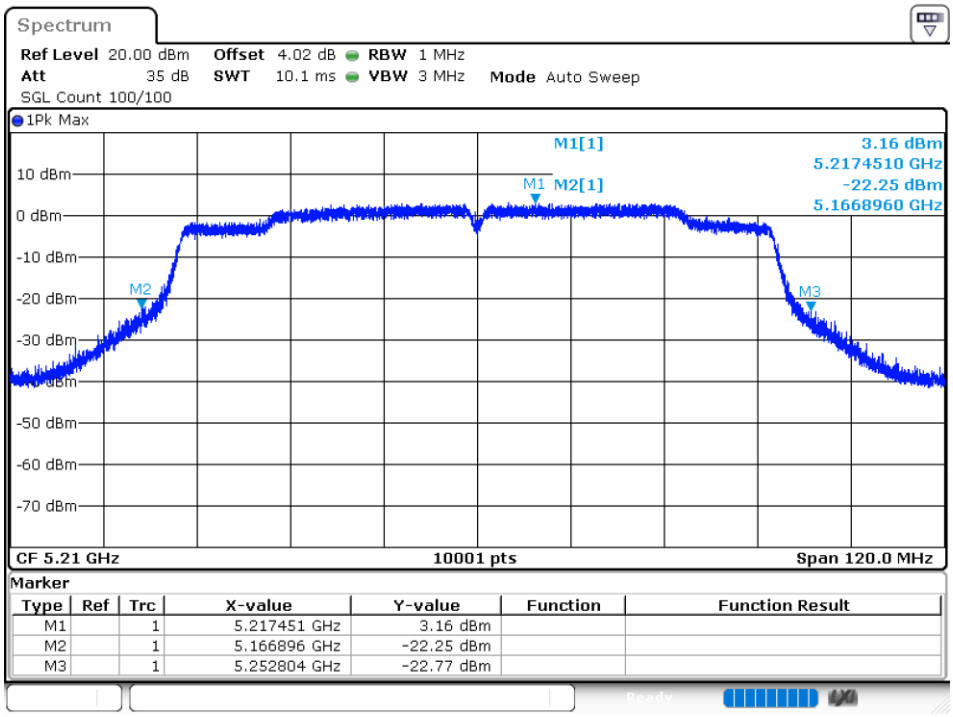
-26dB Bandwidth NVNT ac40 5190MHz Ant2



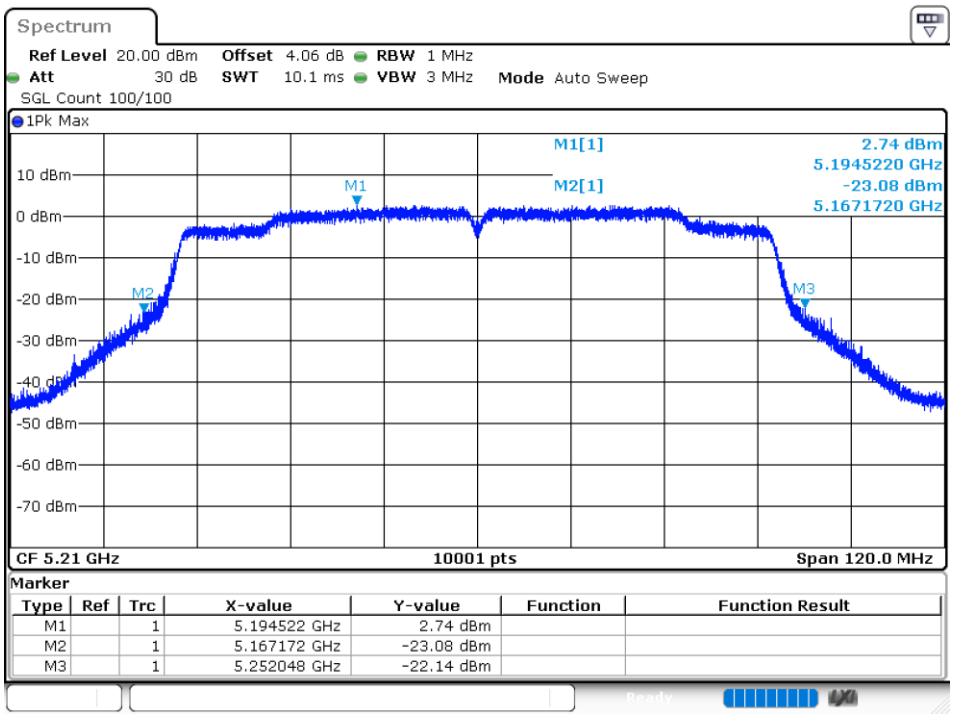
-26dB Bandwidth NVNT ac40 5230MHz Ant2



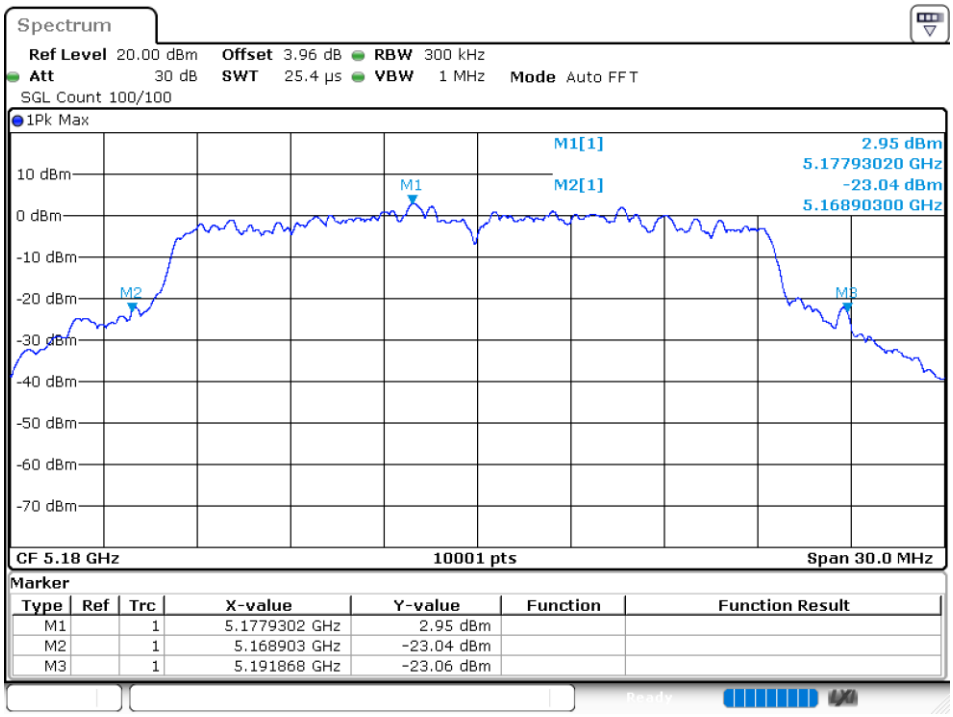
-26dB Bandwidth NVNT ac80 5210MHz Ant1



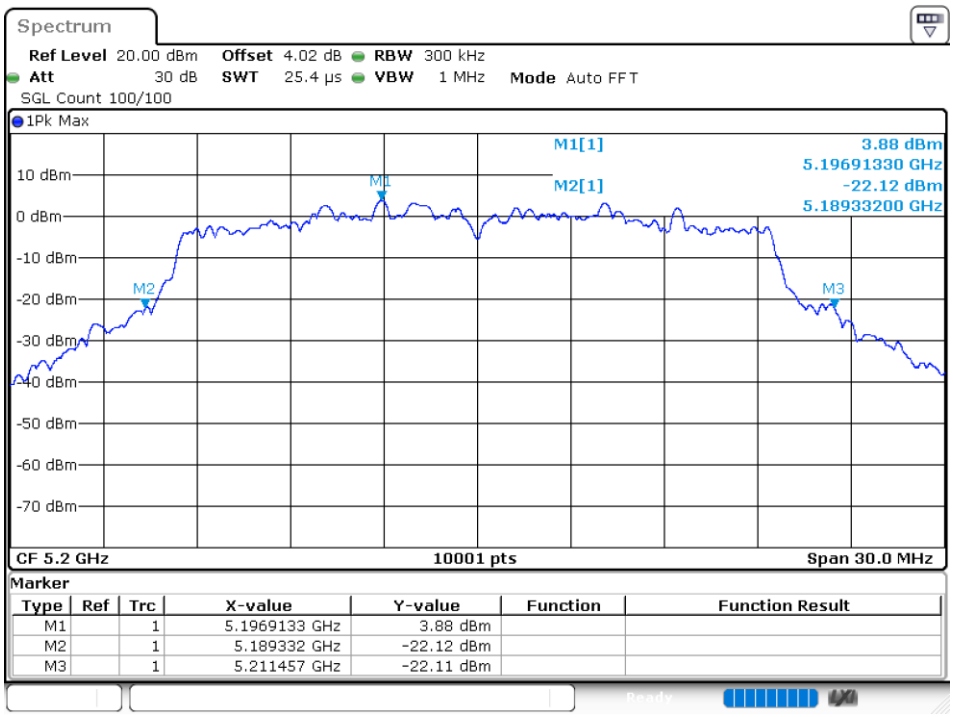
-26dB Bandwidth NVNT ac80 5210MHz Ant2



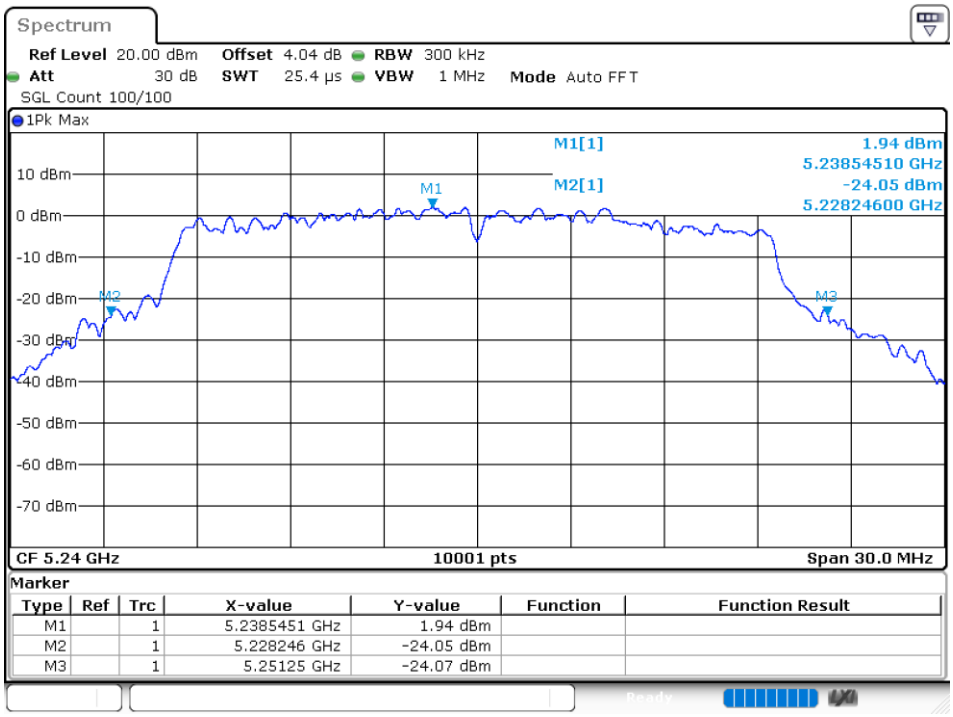
-26dB Bandwidth NVNT ax20 5180MHz Ant1



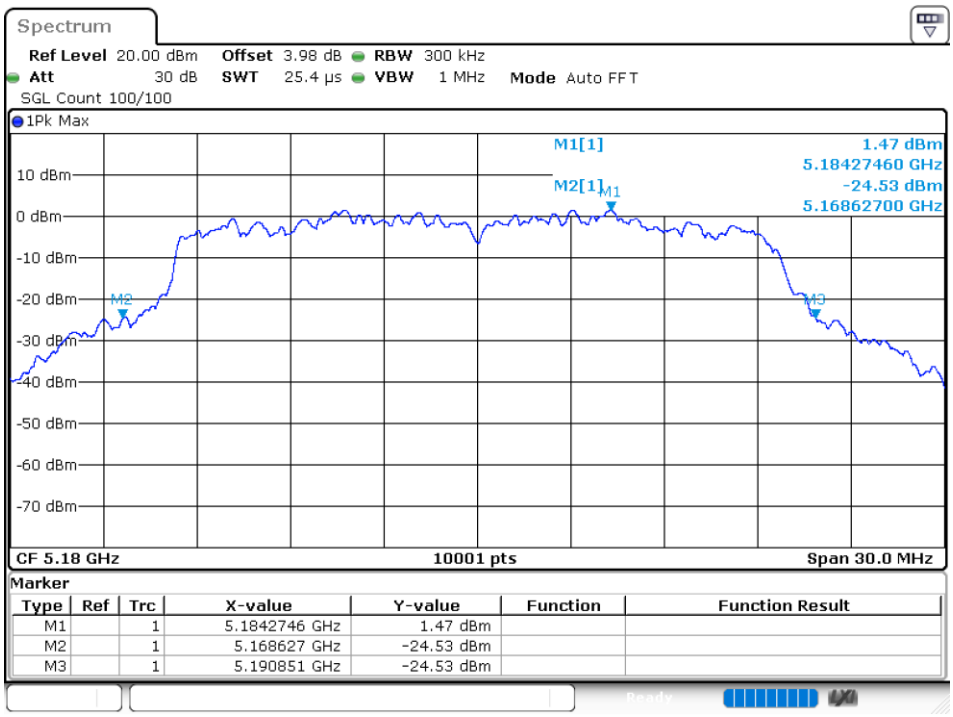
-26dB Bandwidth NVNT ax20 5200MHz Ant1



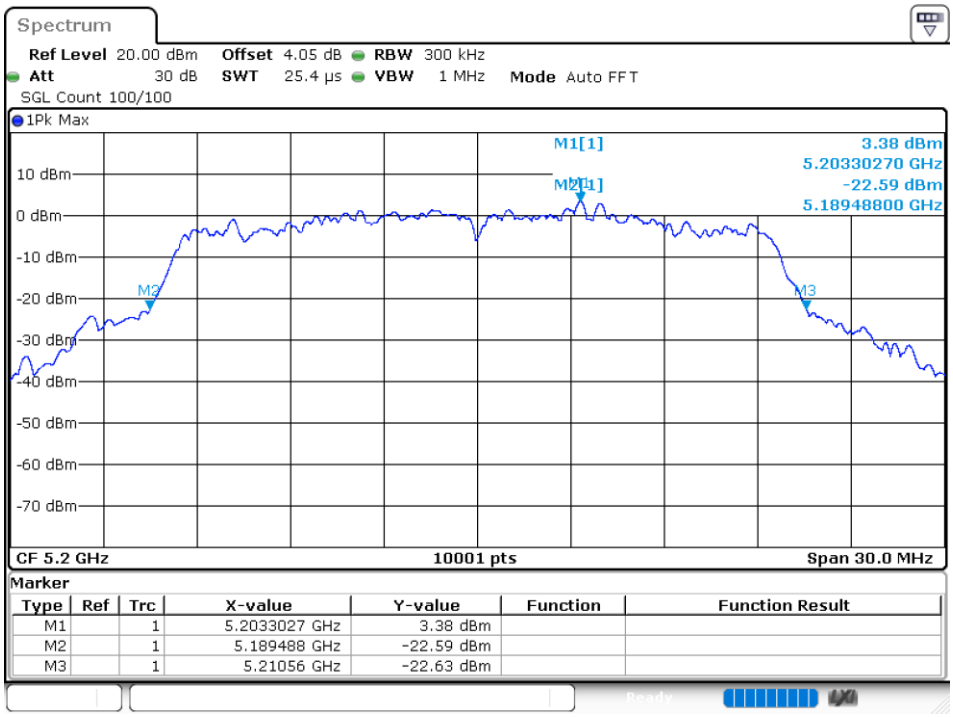
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax20 5180MHz Ant2



-26dB Bandwidth NVNT ax20 5200MHz Ant2



-26dB Bandwidth NVNT ax20 5240MHz Ant2