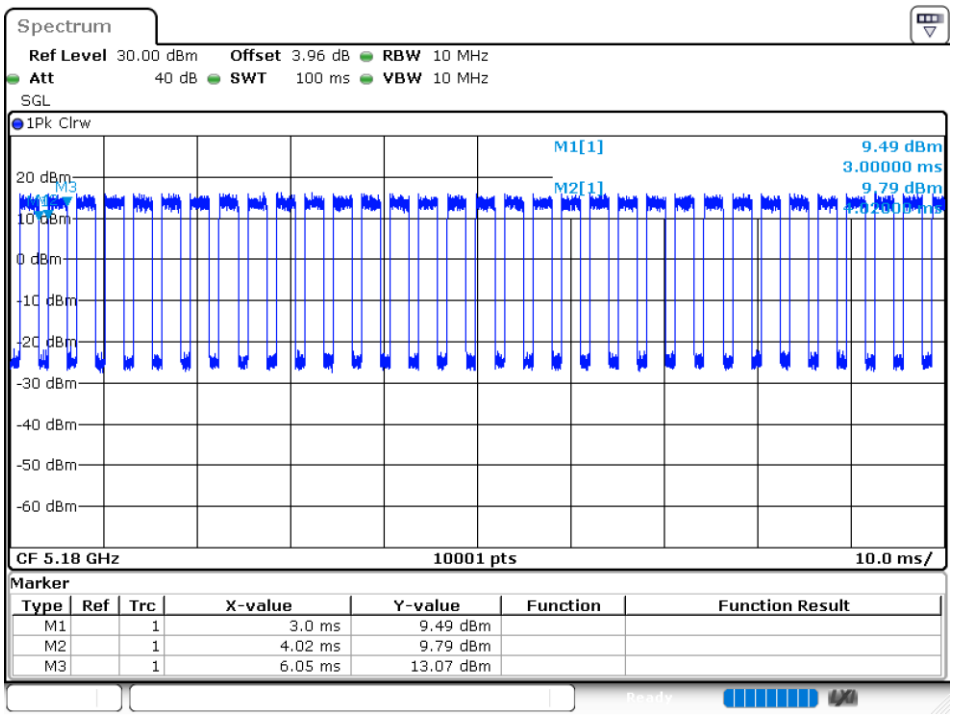
WIFI 5.2G:

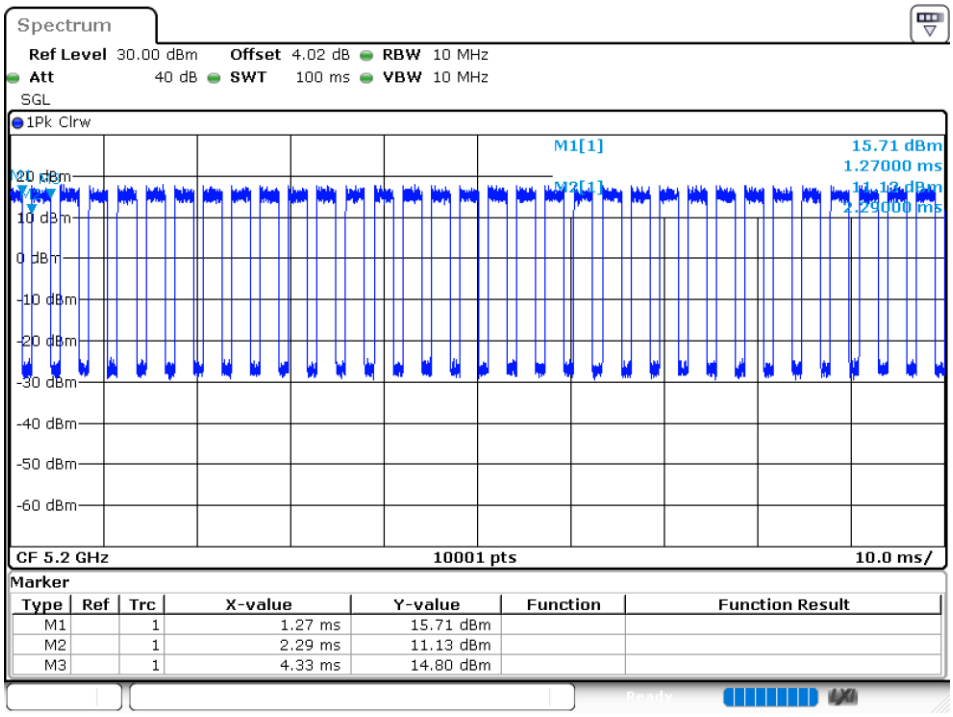
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	66.69	1.76	0.49
NVNT	a	5200	Ant1	66.64	1.76	0.49
NVNT	a	5240	Ant1	67.06	1.74	0.49
NVNT	n20	5180	Ant1	65.68	1.83	0.53
NVNT	n20	5200	Ant1	65.62	1.83	0.53
NVNT	n20	5240	Ant1	65.53	1.84	0.53
NVNT	n40	5190	Ant1	48.1	3.18	1.06
NVNT	n40	5230	Ant1	48.61	3.13	1.08
NVNT	ac20	5180	Ant1	65.61	1.83	0.53
NVNT	ac20	5200	Ant1	65.62	1.83	0.53
NVNT	ac20	5240	Ant1	65.15	1.86	0.53
NVNT	ac40	5190	Ant1	48.24	3.17	1.06
NVNT	ac40	5230	Ant1	48.68	3.13	1.06
NVNT	ax20	5180	Ant1	58.76	2.31	0.68
NVNT	ax20	5200	Ant1	59.57	2.25	0.68
NVNT	ax20	5240	Ant1	59.33	2.27	0.68
NVNT	ax40	5190	Ant1	43.42	3.62	1.32
NVNT	ax40	5230	Ant1	43.09	3.66	1.32

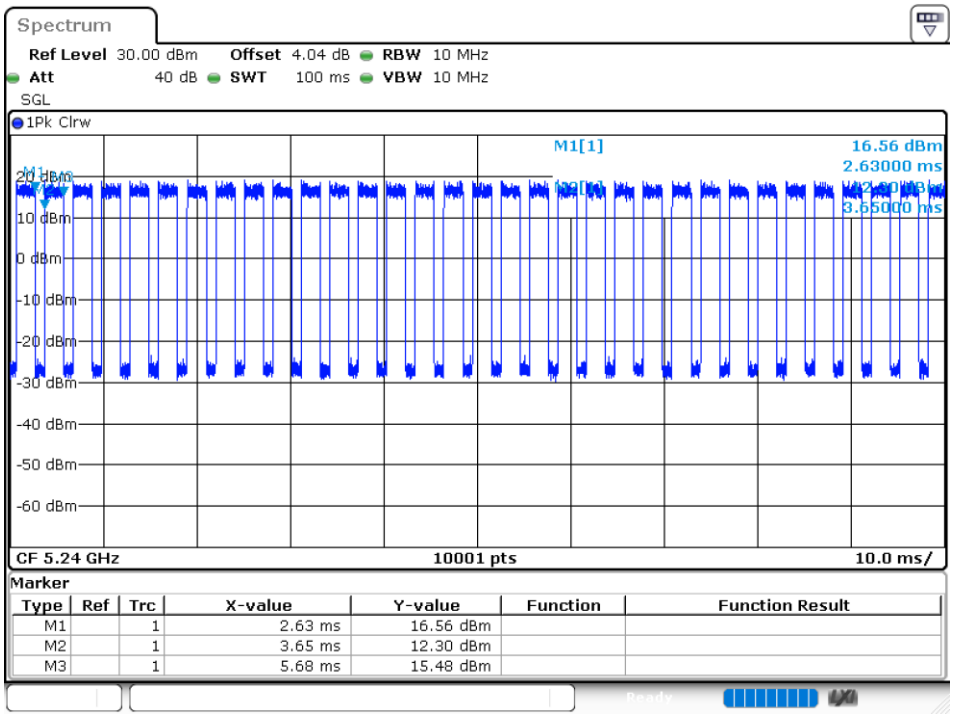
Test Graphs
Duty Cycle NVNT a 5180MHz Ant1



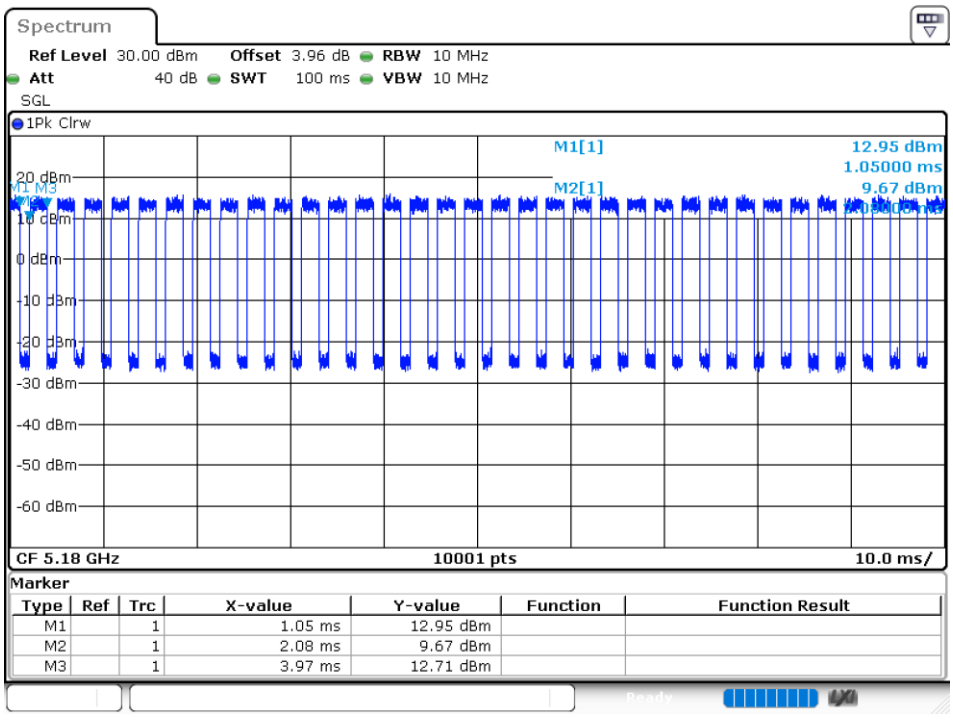
Duty Cycle NVNT a 5200MHz Ant1



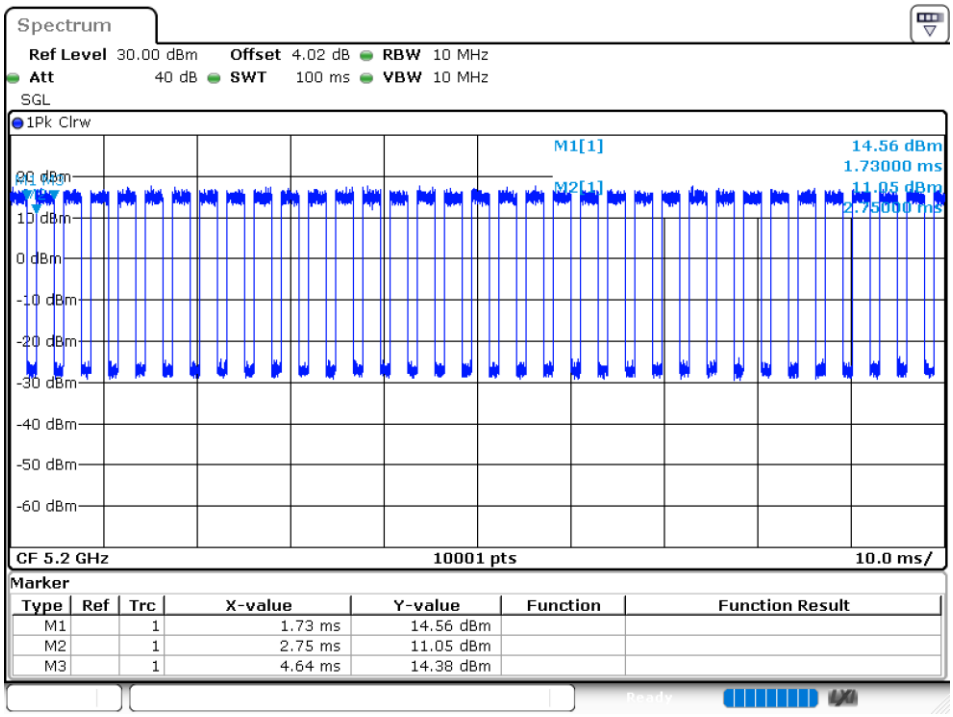
Duty Cycle NVNT a 5240MHz Ant1



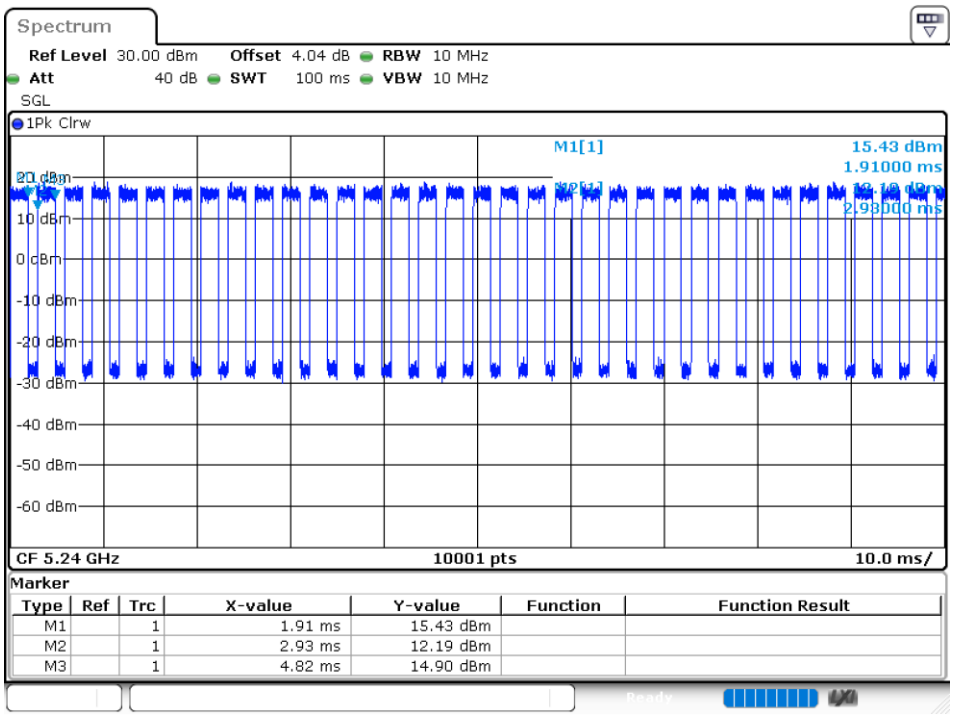
Duty Cycle NVNT n20 5180MHz Ant1



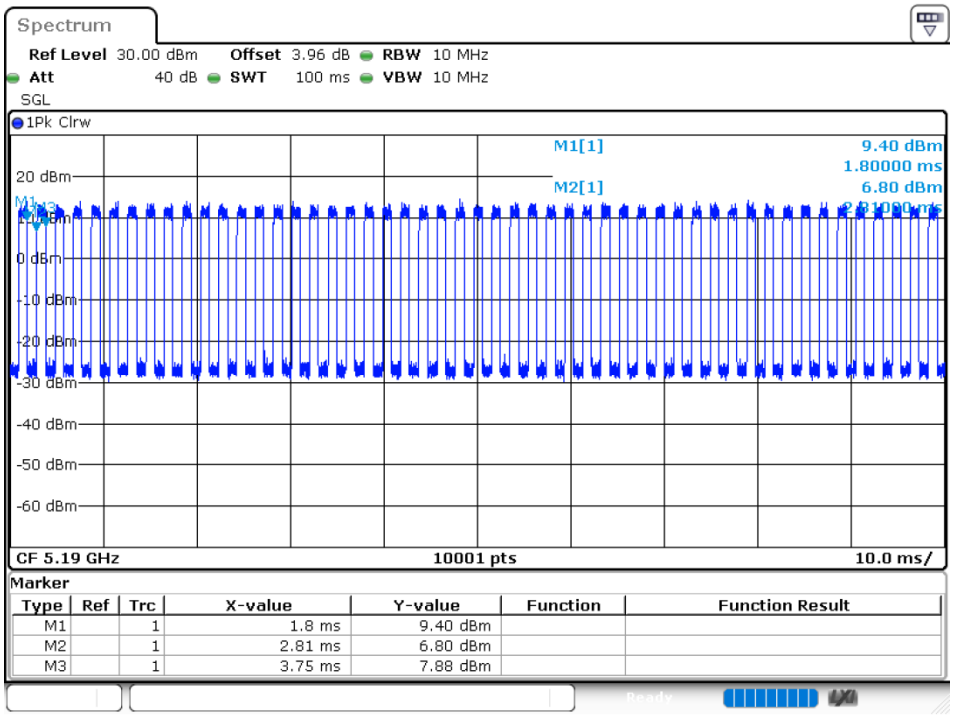
Duty Cycle NVNT n20 5200MHz Ant1



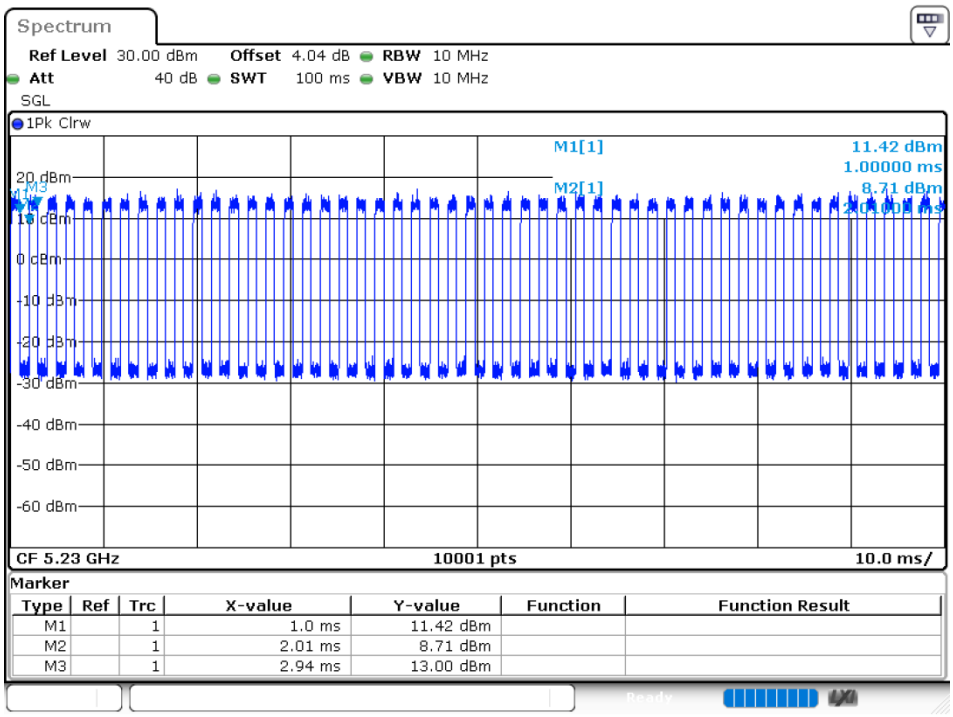
Duty Cycle NVNT n20 5240MHz Ant1



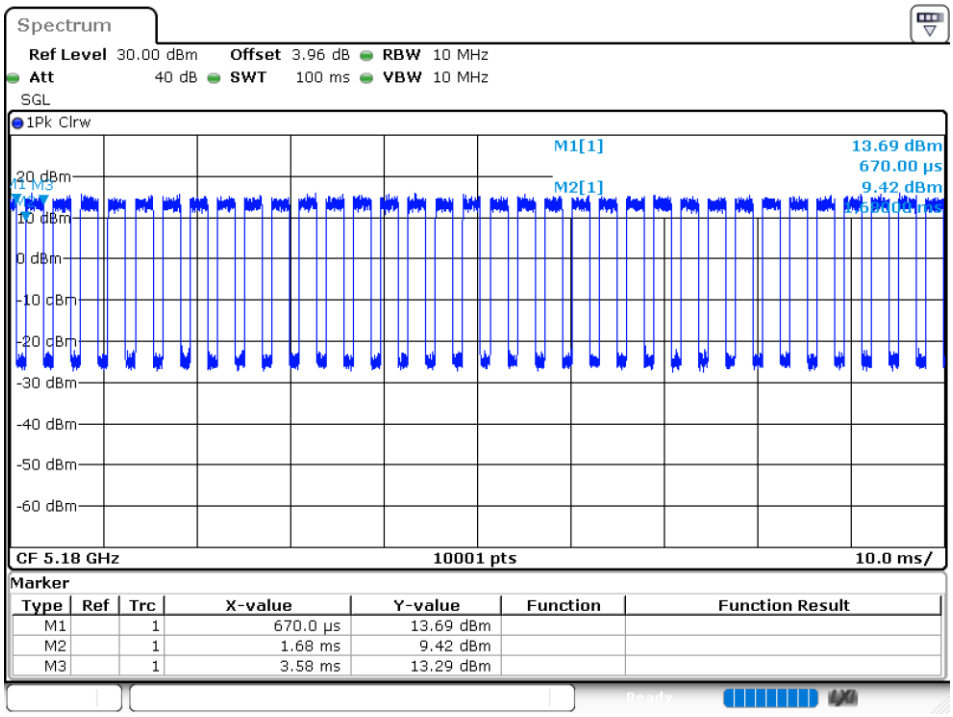
Duty Cycle NVNT n40 5190MHz Ant1



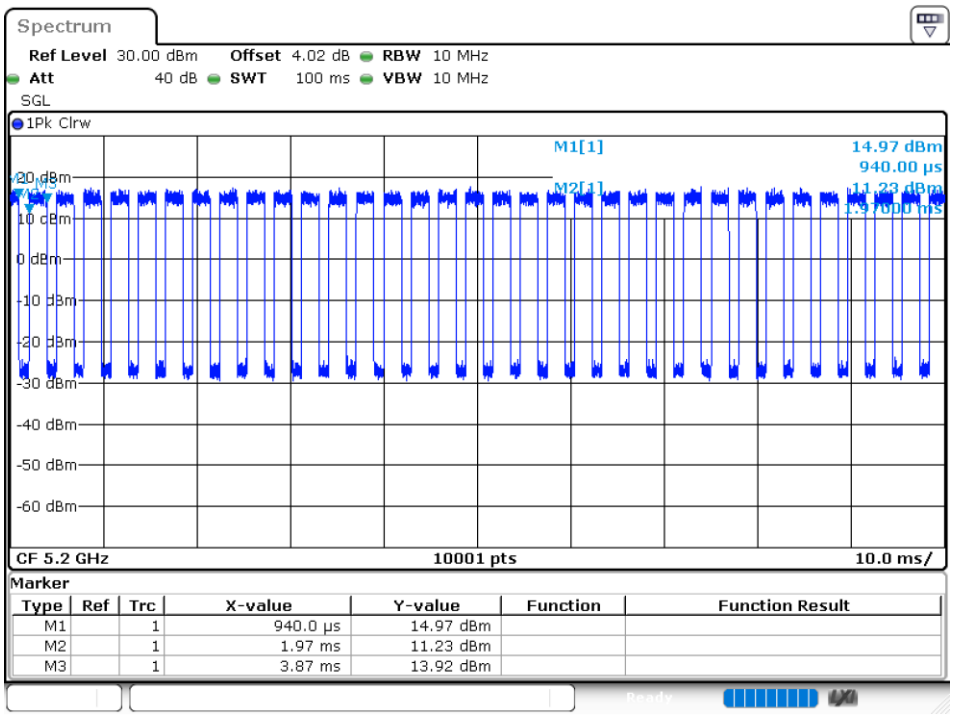
Duty Cycle NVNT n40 5230MHz Ant1



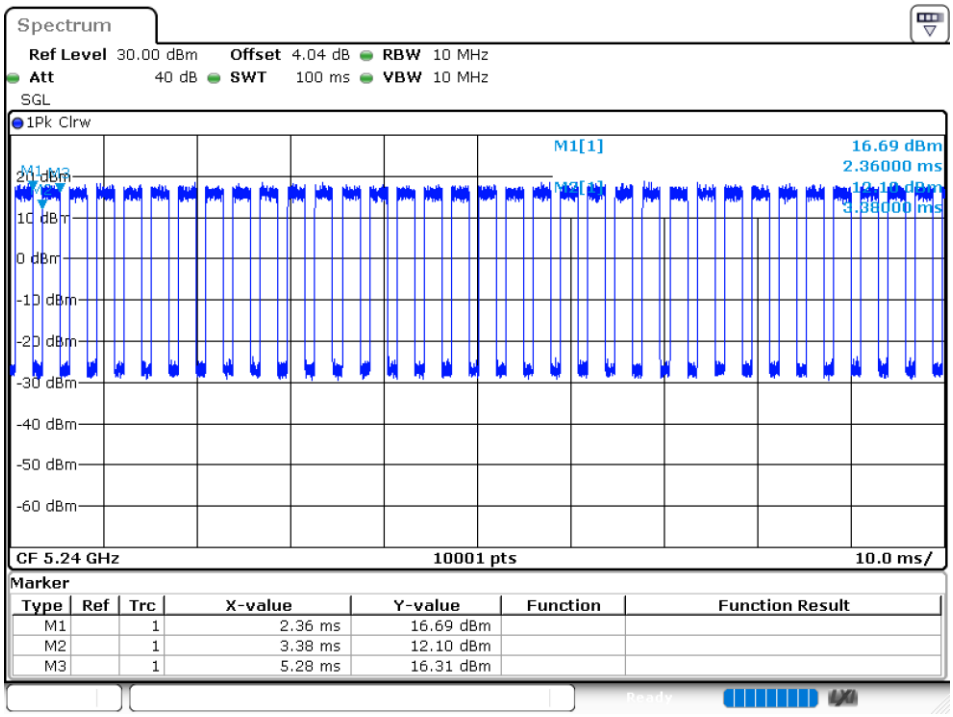
Duty Cycle NVNT ac20 5180MHz Ant1



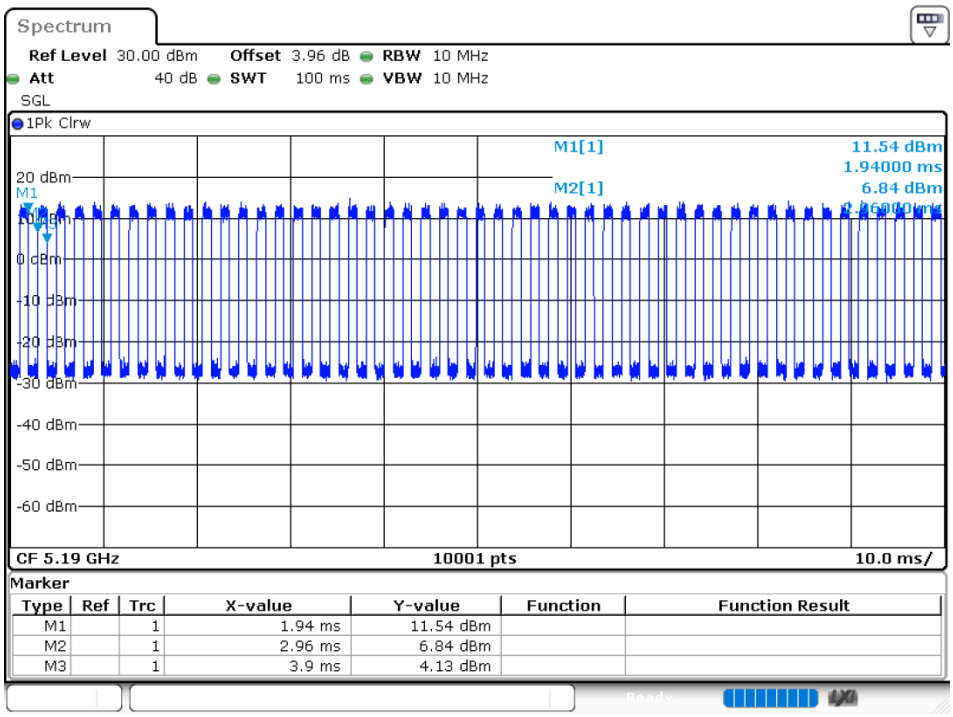
Duty Cycle NVNT ac20 5200MHz Ant1



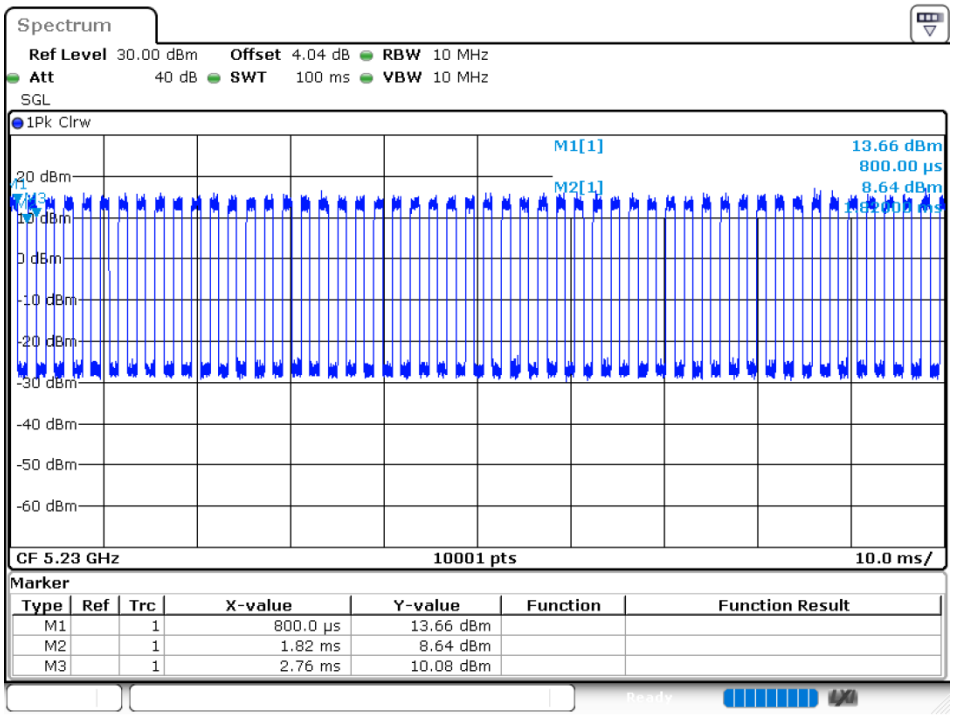
Duty Cycle NVNT ac20 5240MHz Ant1



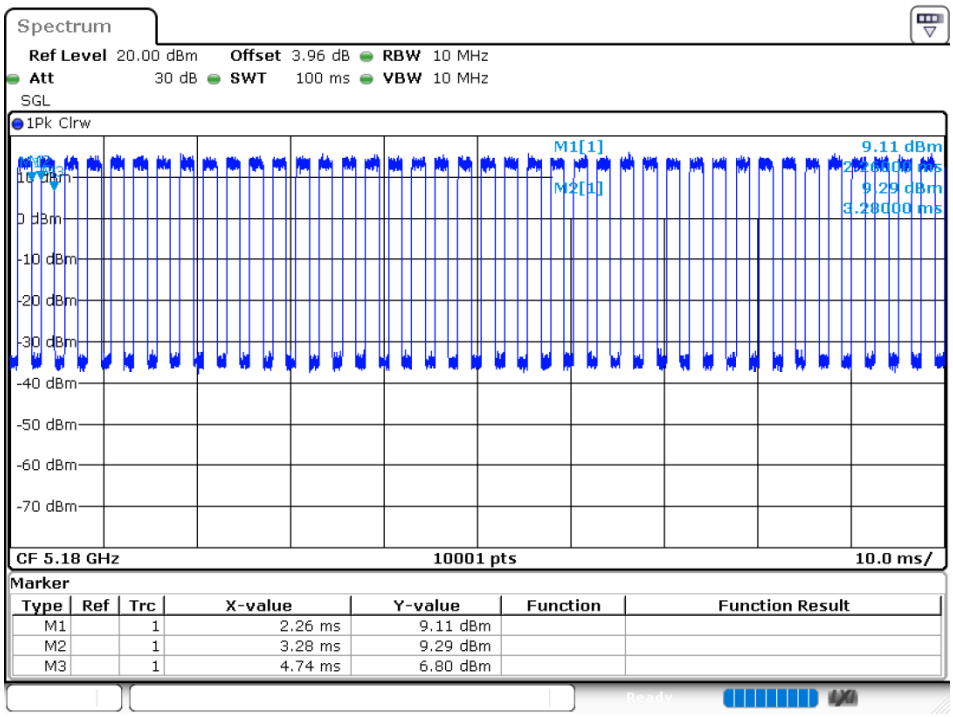
Duty Cycle NVNT ac40 5190MHz Ant1



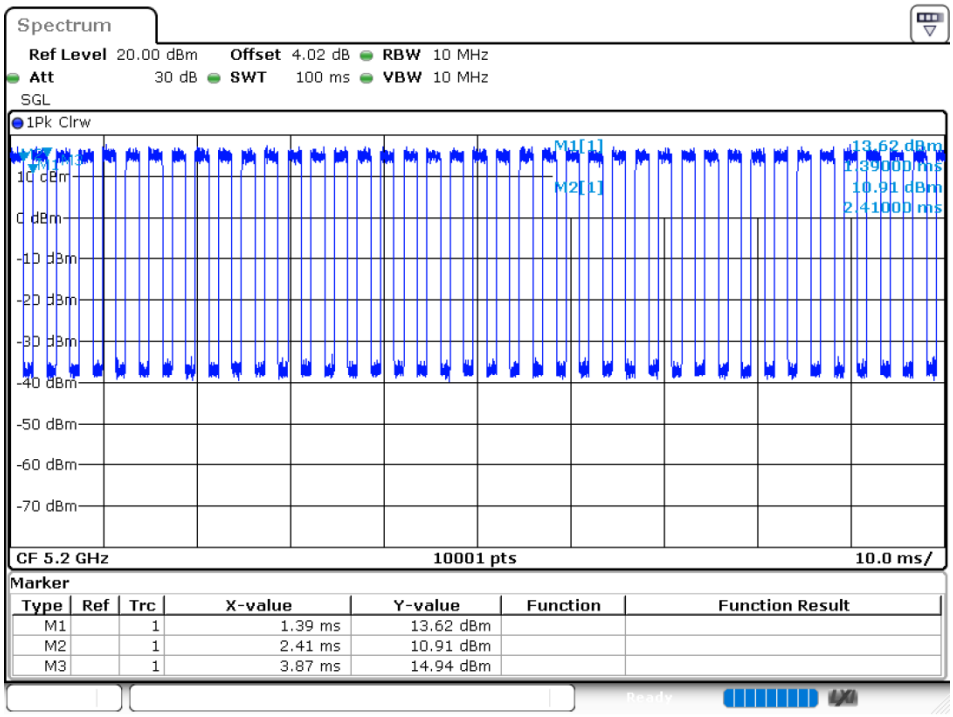
Duty Cycle NVNT ac40 5230MHz Ant1



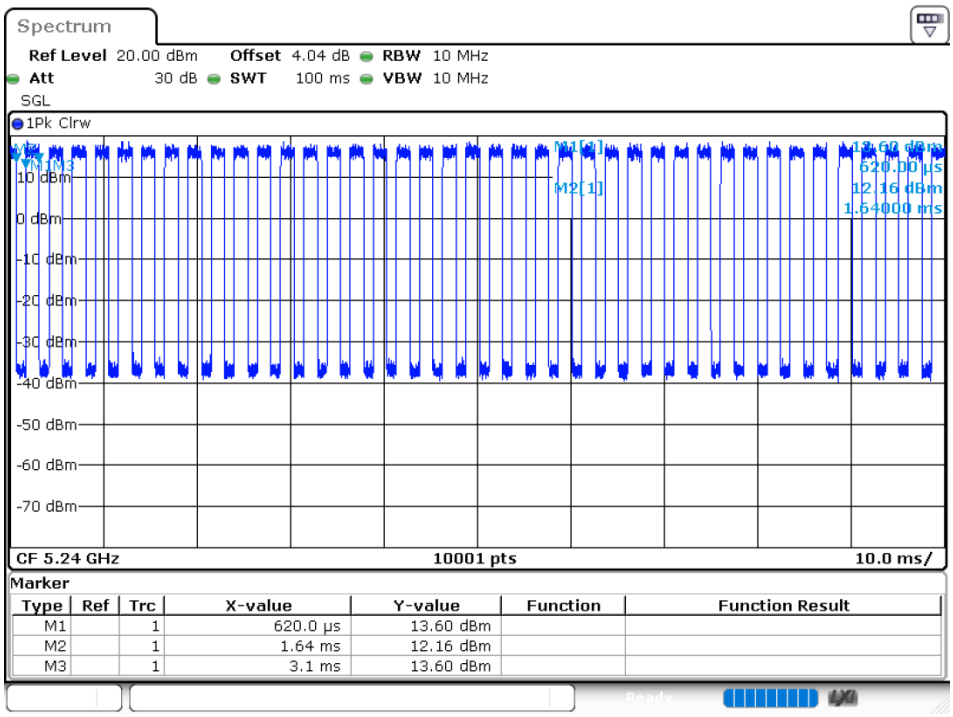
Duty Cycle NVNT ax20 5180MHz Ant1



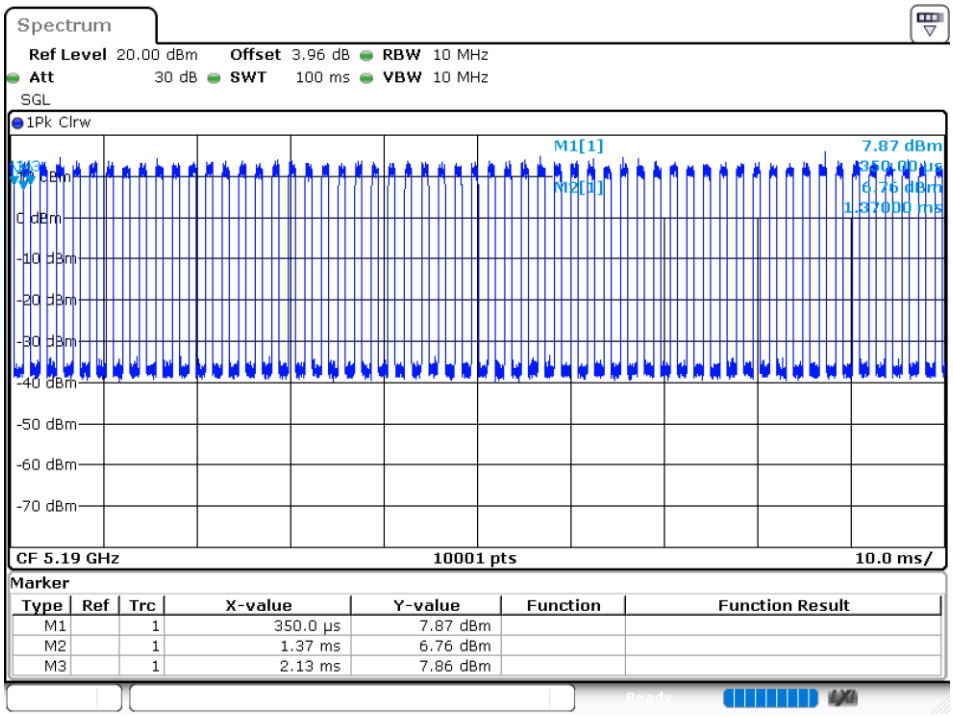
Duty Cycle NVNT ax20 5200MHz Ant1



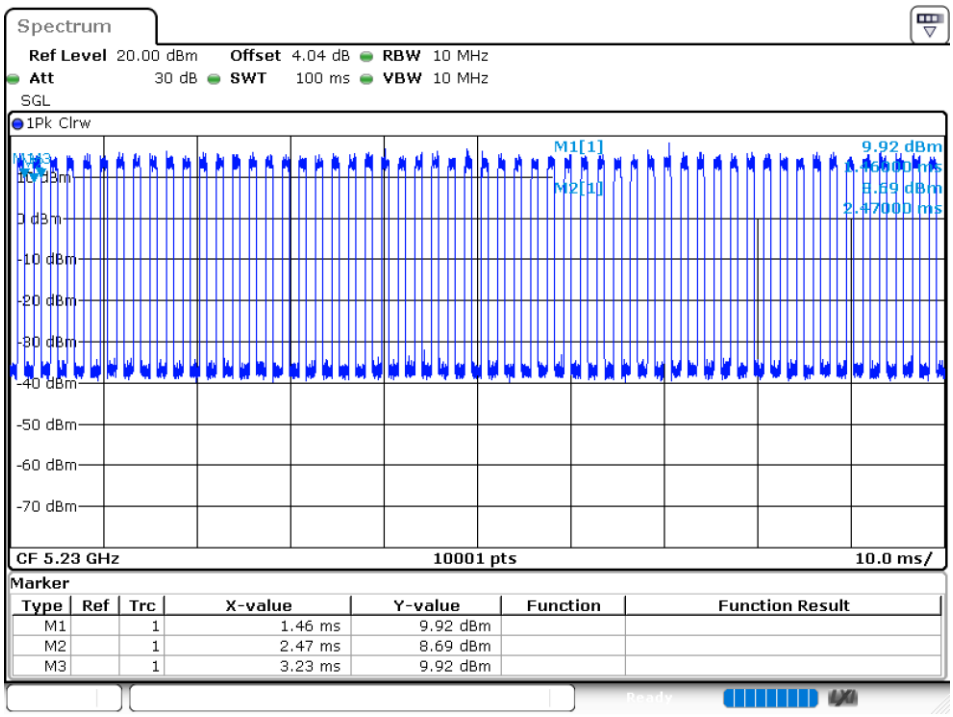
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



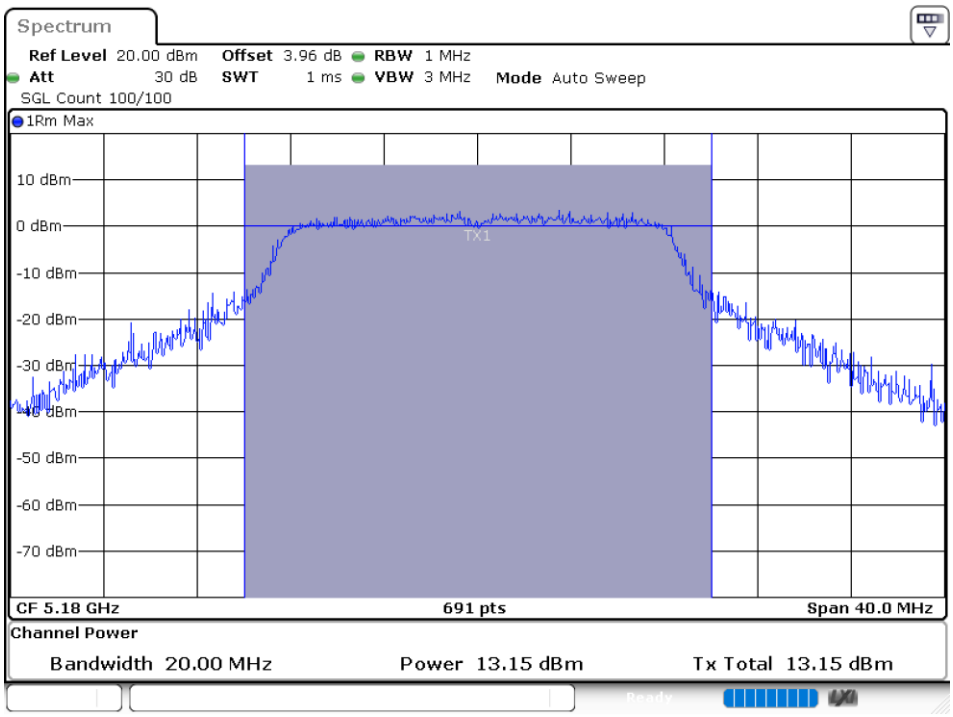
Duty Cycle NVNT ax40 5230MHz Ant1



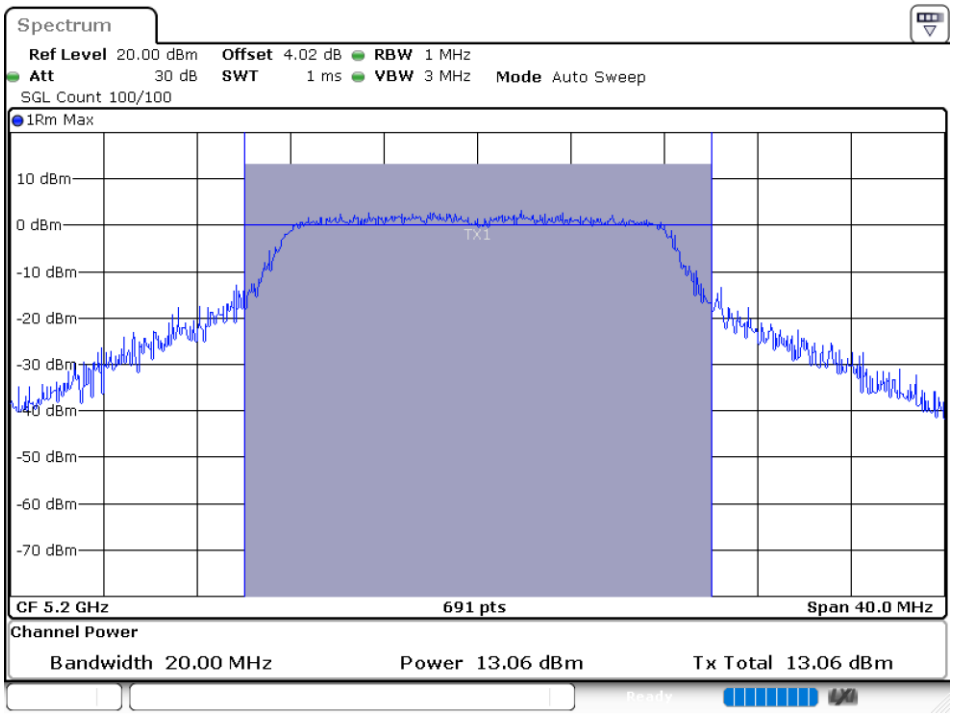
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	13.15	24	Pass
NVNT	a	5200	Ant1	13.06	24	Pass
NVNT	a	5240	Ant1	12.33	24	Pass
NVNT	n20	5180	Ant1	12.74	24	Pass
NVNT	n20	5200	Ant1	13.06	24	Pass
NVNT	n20	5240	Ant1	12.24	24	Pass
NVNT	n40	5190	Ant1	12.69	24	Pass
NVNT	n40	5230	Ant1	12.51	24	Pass
NVNT	ac20	5180	Ant1	12.81	24	Pass
NVNT	ac20	5200	Ant1	12.98	24	Pass
NVNT	ac20	5240	Ant1	12.32	24	Pass
NVNT	ac40	5190	Ant1	12.56	24	Pass
NVNT	ac40	5230	Ant1	12.4	24	Pass
NVNT	ax20	5180	Ant1	13.47	24	Pass
NVNT	ax20	5200	Ant1	13.93	24	Pass
NVNT	ax20	5240	Ant1	13.05	24	Pass
NVNT	ax40	5190	Ant1	12.9	24	Pass
NVNT	ax40	5230	Ant1	12.47	24	Pass

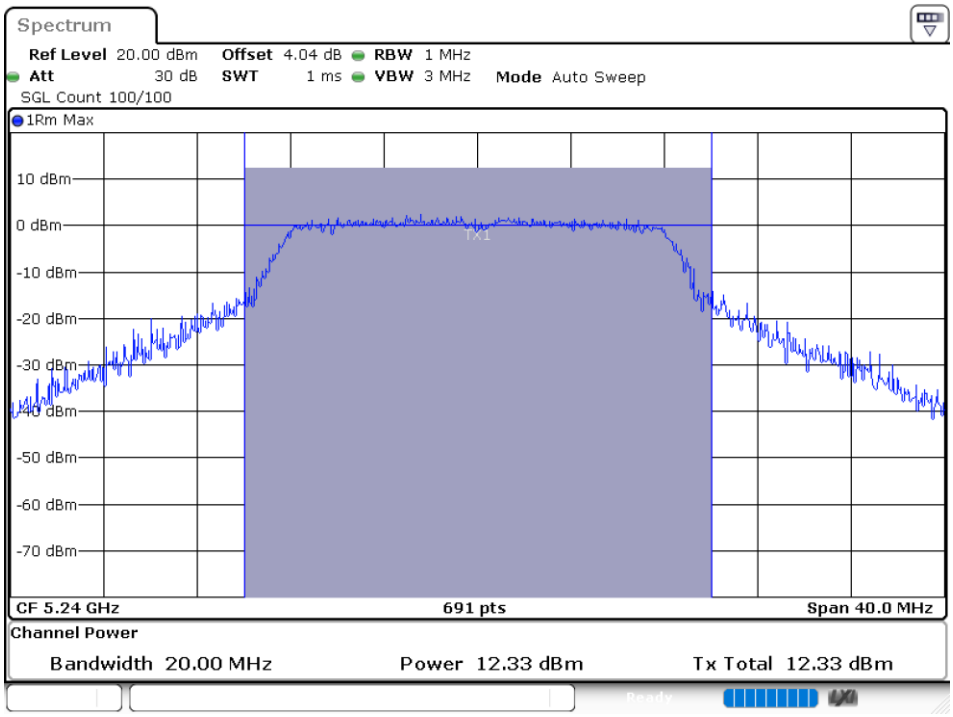
Test Graphs
Power NVNT a 5180MHz Ant1



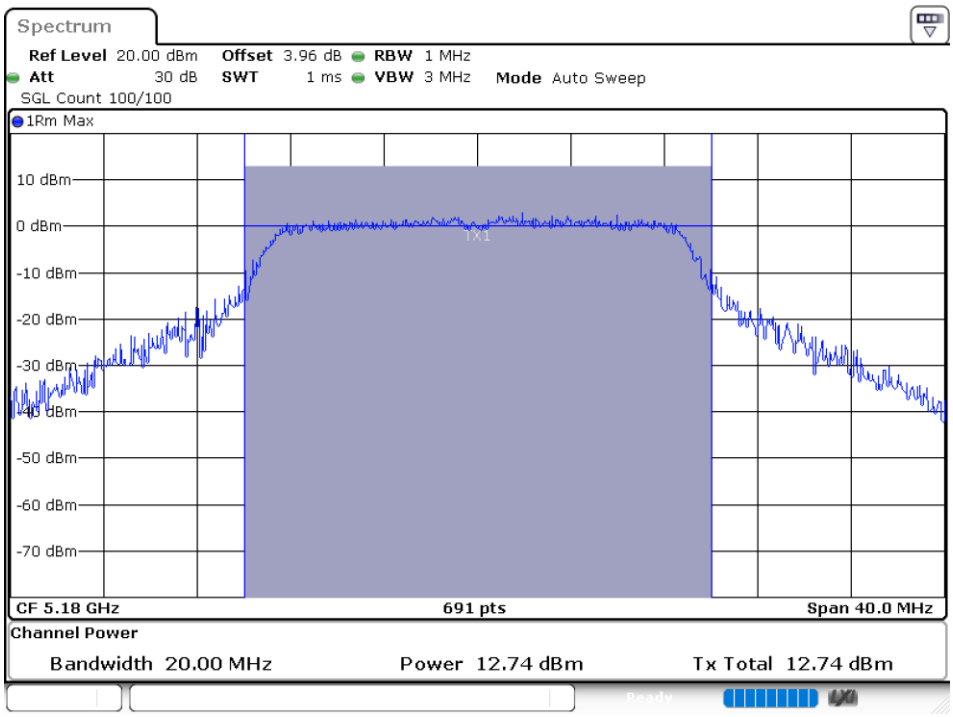
Power NVNT a 5200MHz Ant1



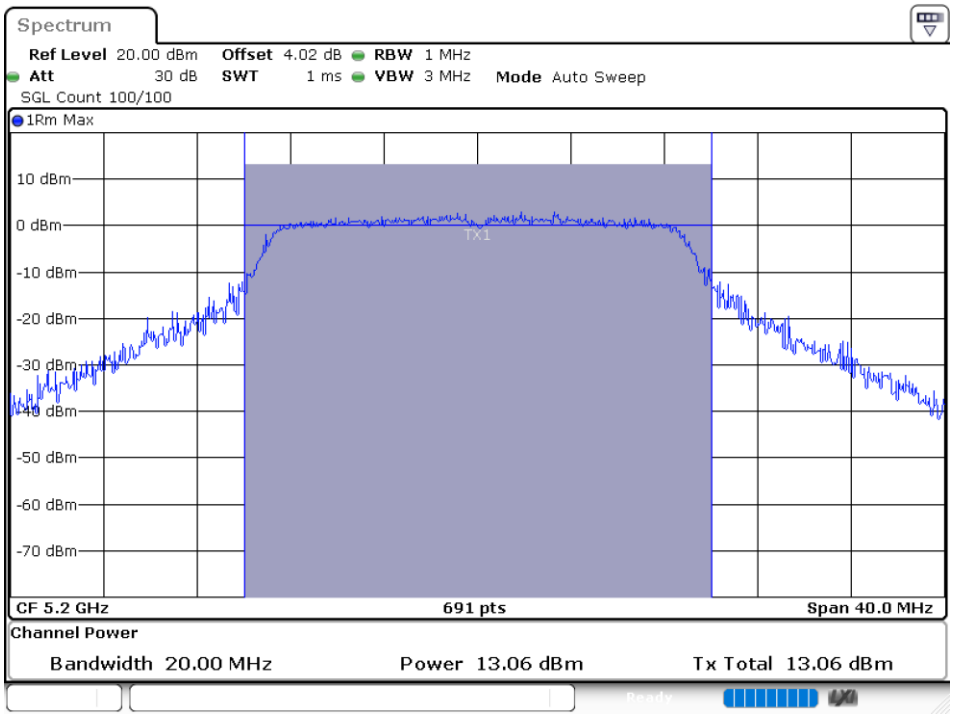
Power NVNT a 5240MHz Ant1



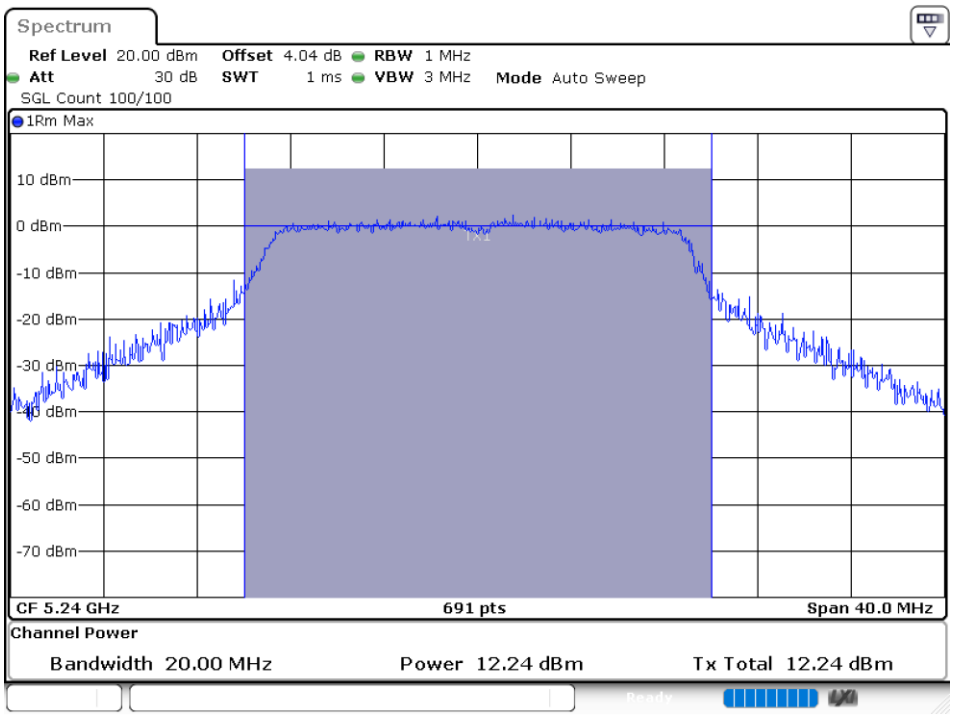
Power NVNT n20 5180MHz Ant1



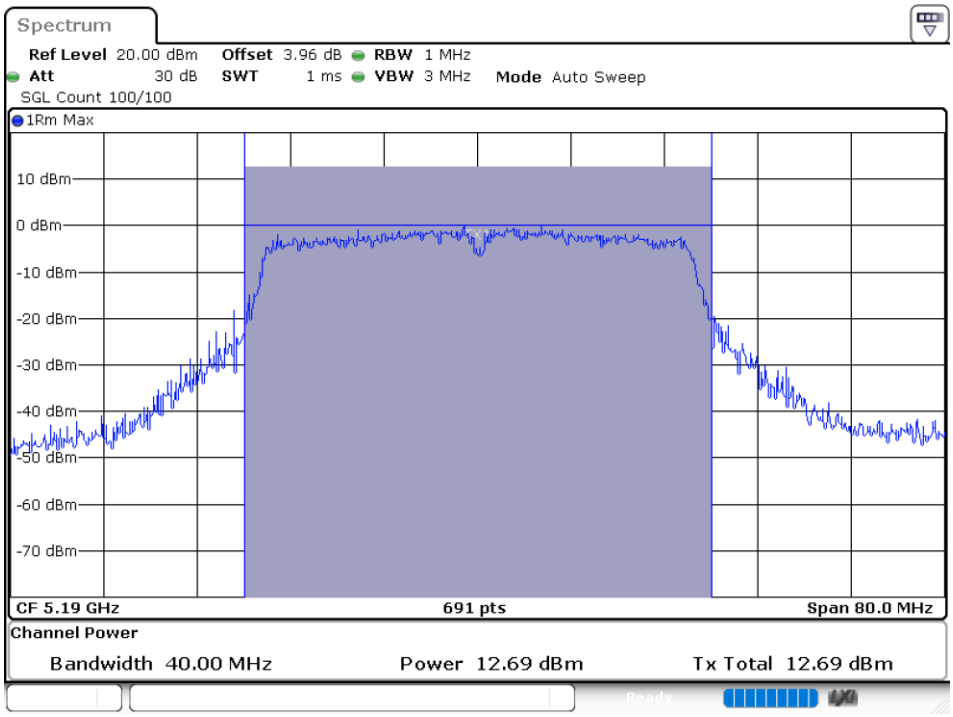
Power NVNT n20 5200MHz Ant1



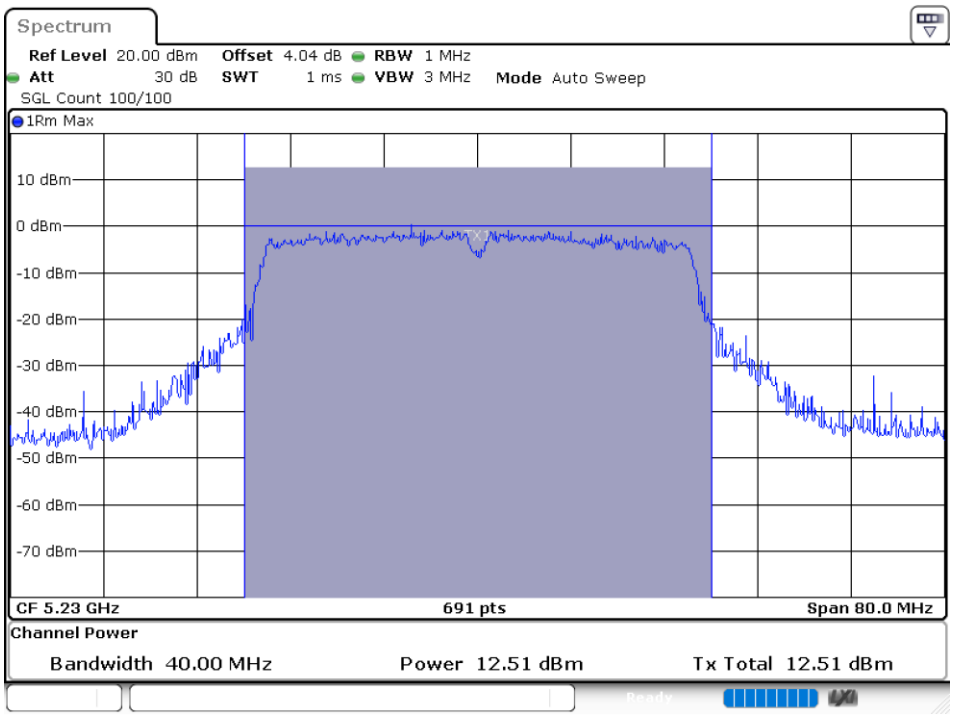
Power NVNT n20 5240MHz Ant1



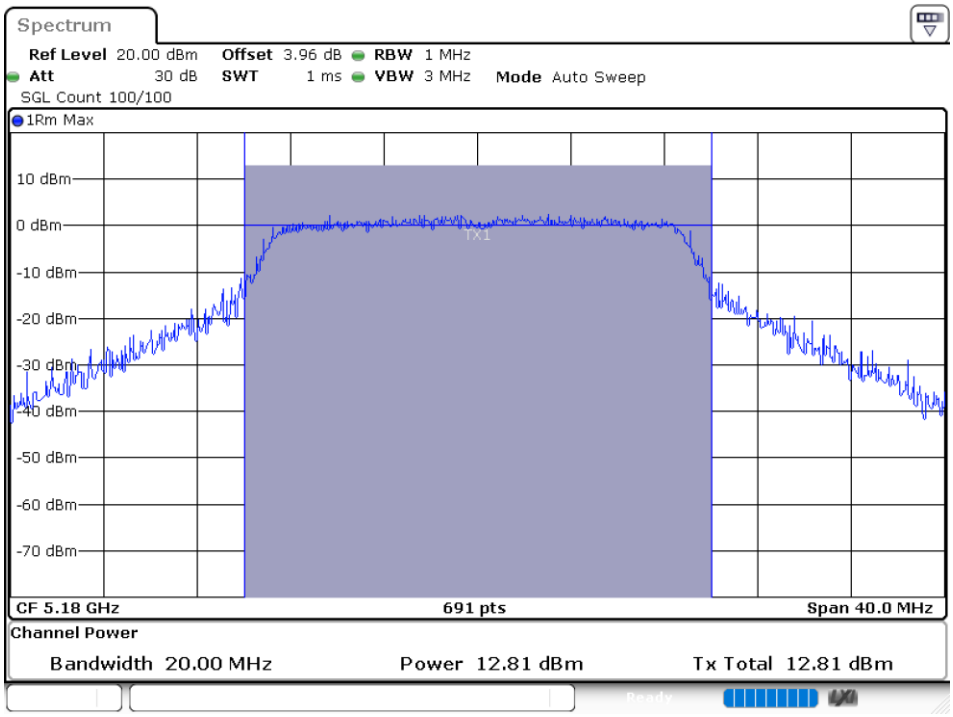
Power NVNT n40 5190MHz Ant1



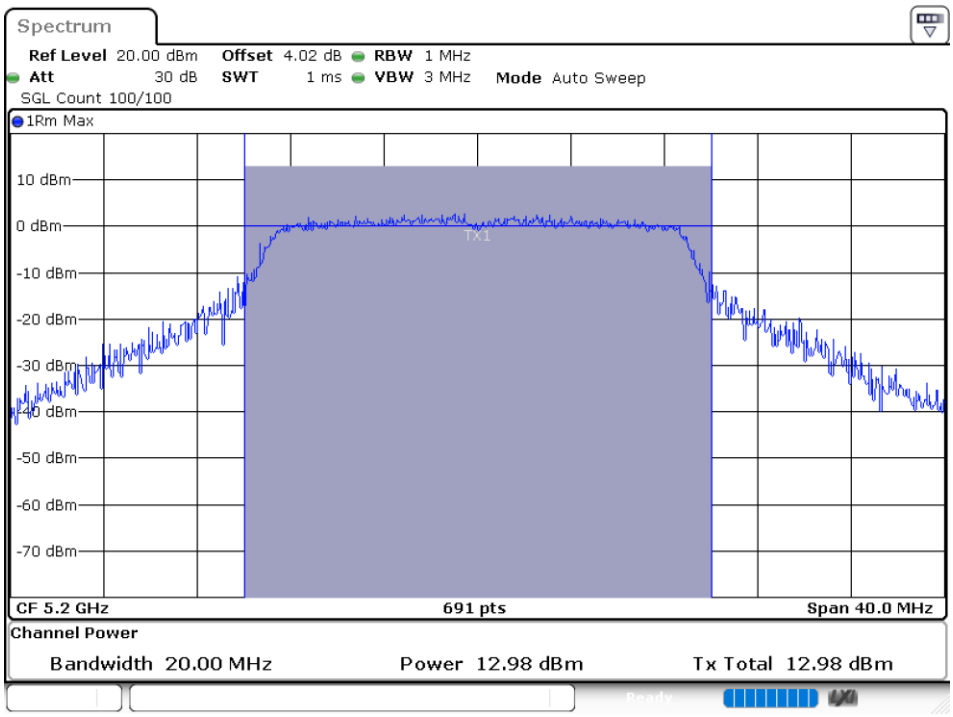
Power NVNT n40 5230MHz Ant1



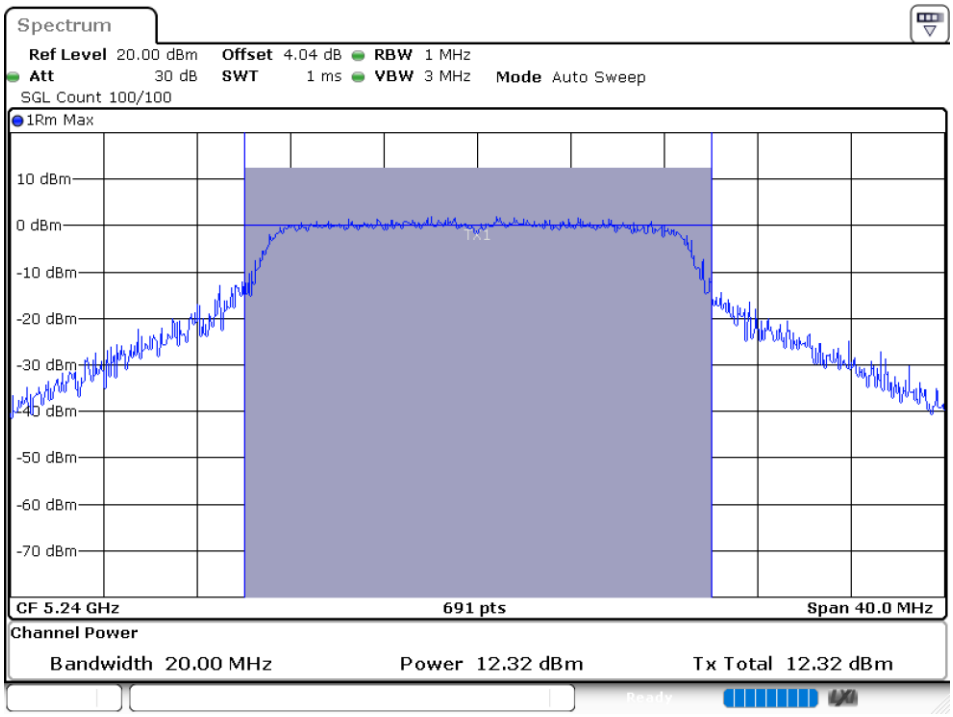
Power NVNT ac20 5180MHz Ant1



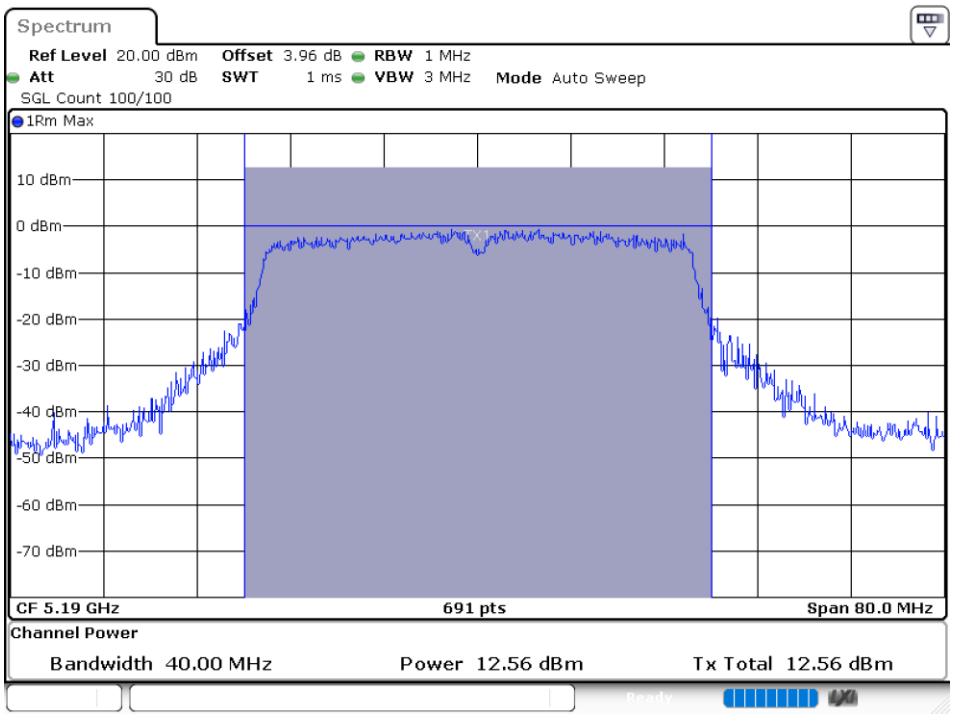
Power NVNT ac20 5200MHz Ant1



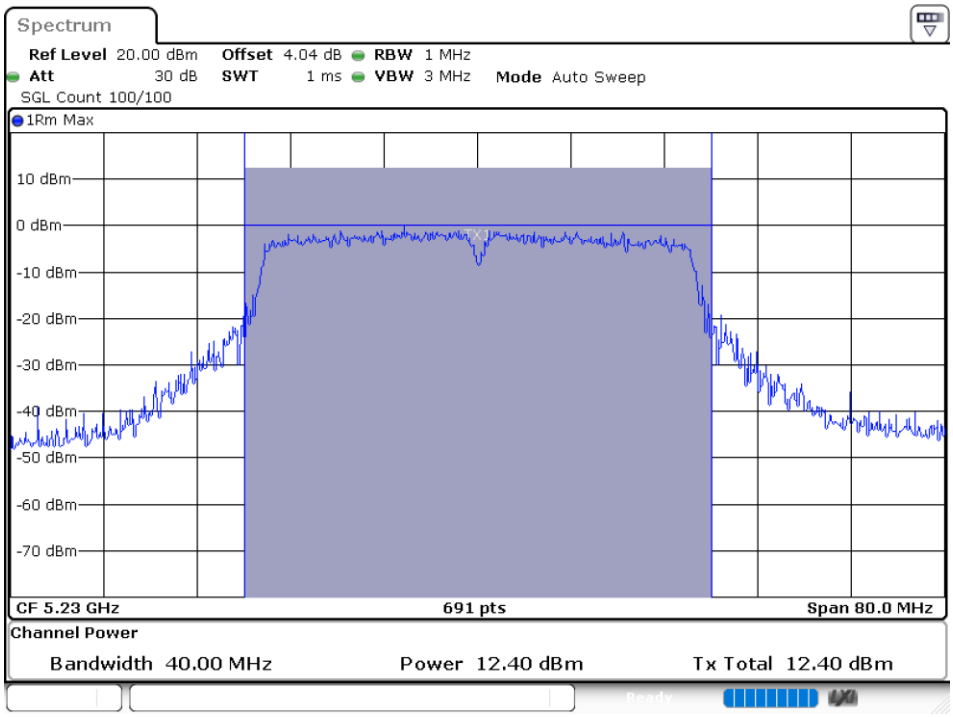
Power NVNT ac20 5240MHz Ant1



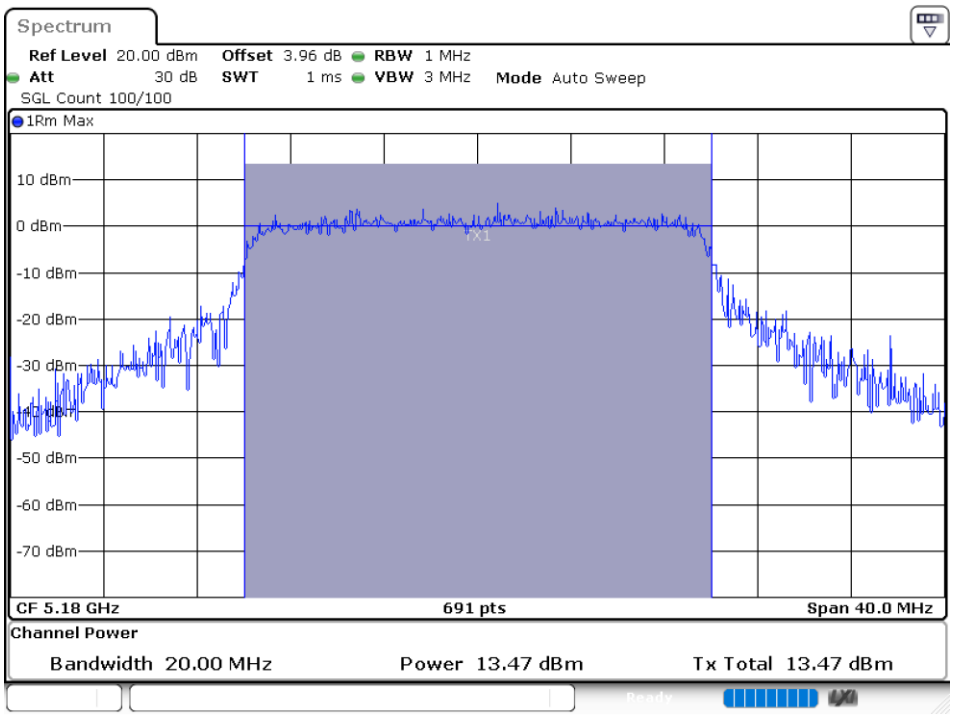
Power NVNT ac40 5190MHz Ant1



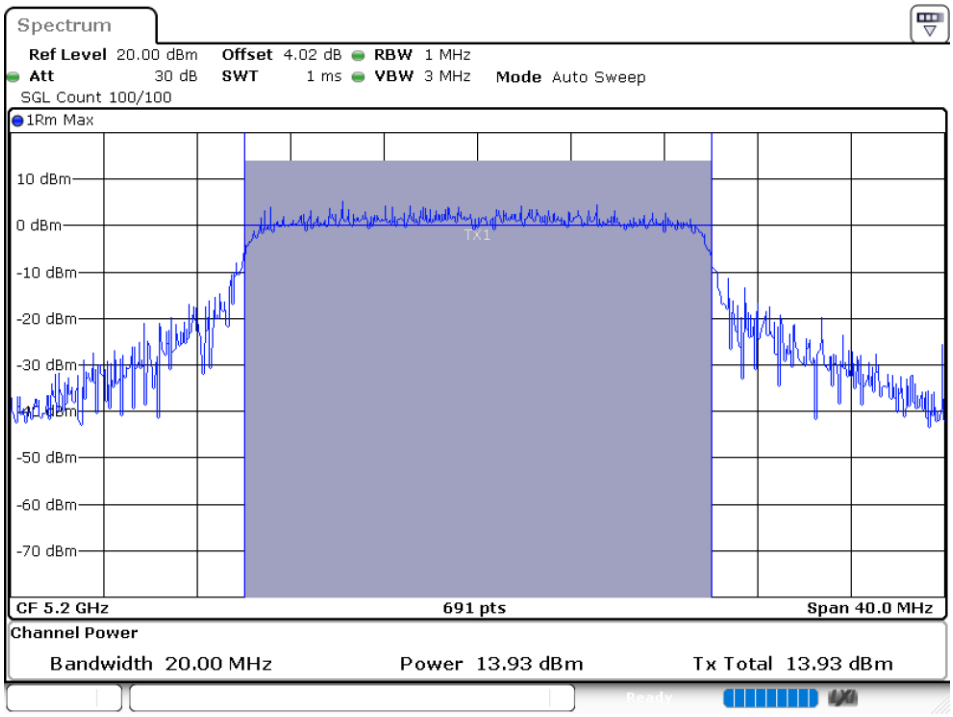
Power NVNT ac40 5230MHz Ant1



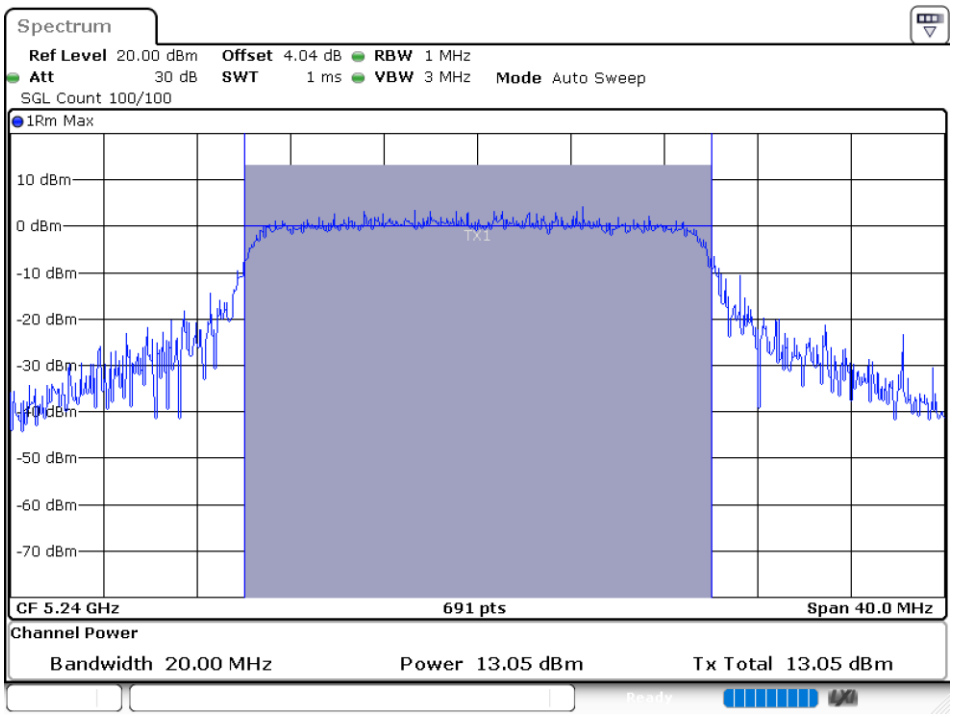
Power NVNT ax20 5180MHz Ant1



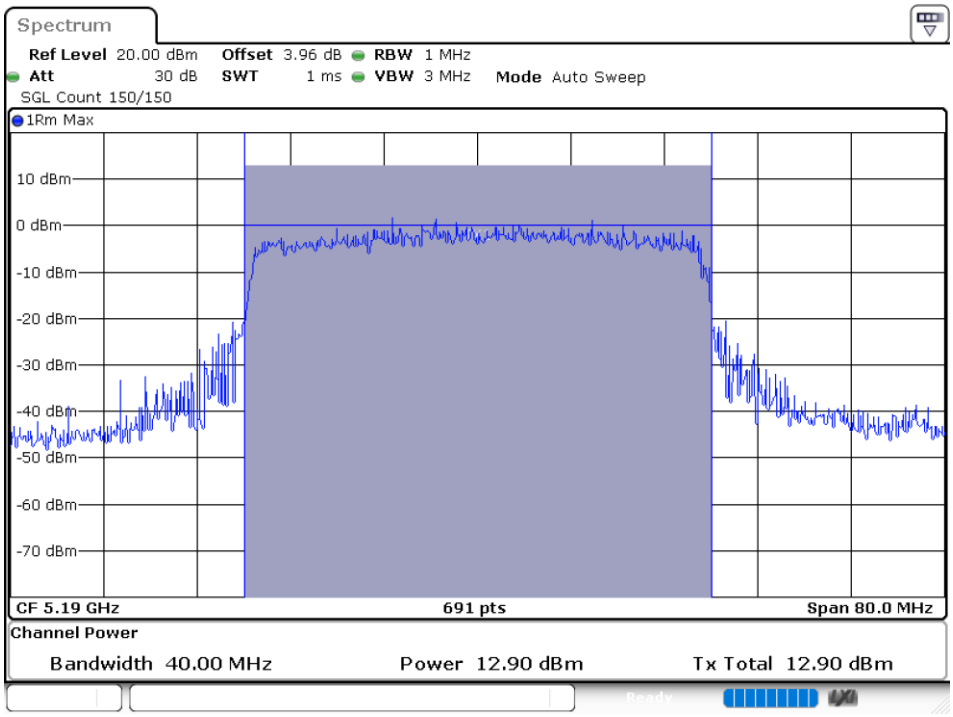
Power NVNT ax20 5200MHz Ant1



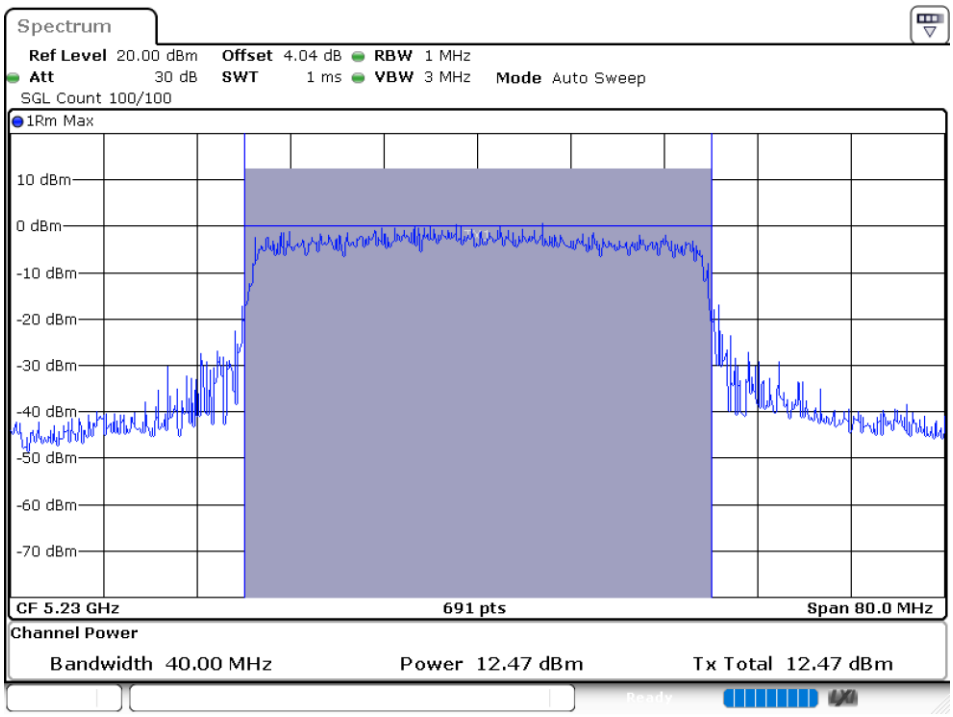
Power NVNT ax20 5240MHz Ant1



Power NVNT ax40 5190MHz Ant1



Power NVNT ax40 5230MHz Ant1

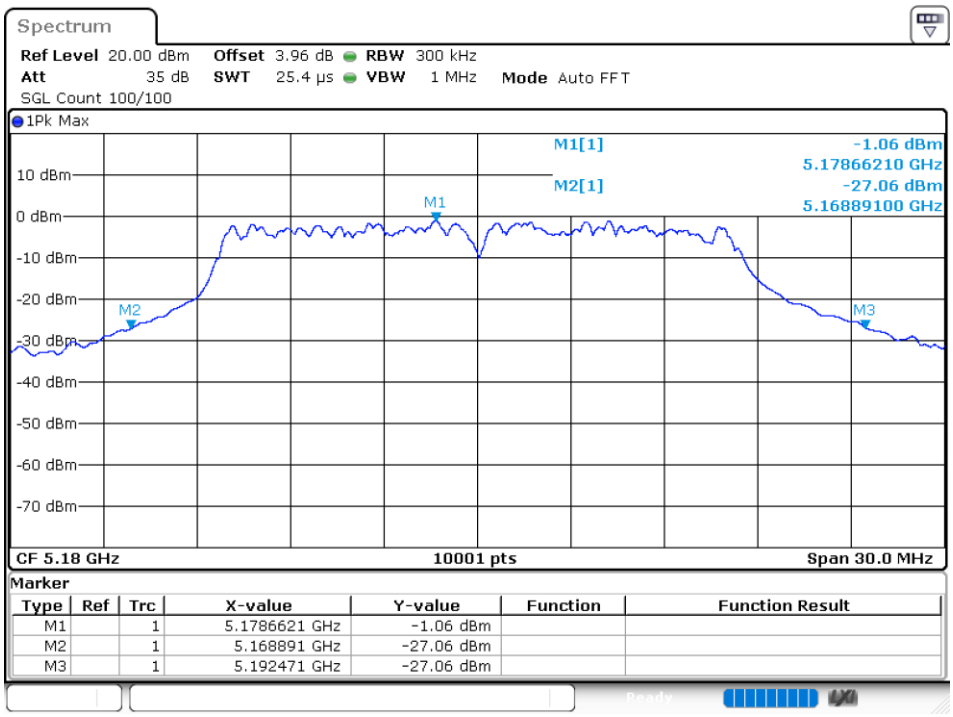


-26dB Bandwidth

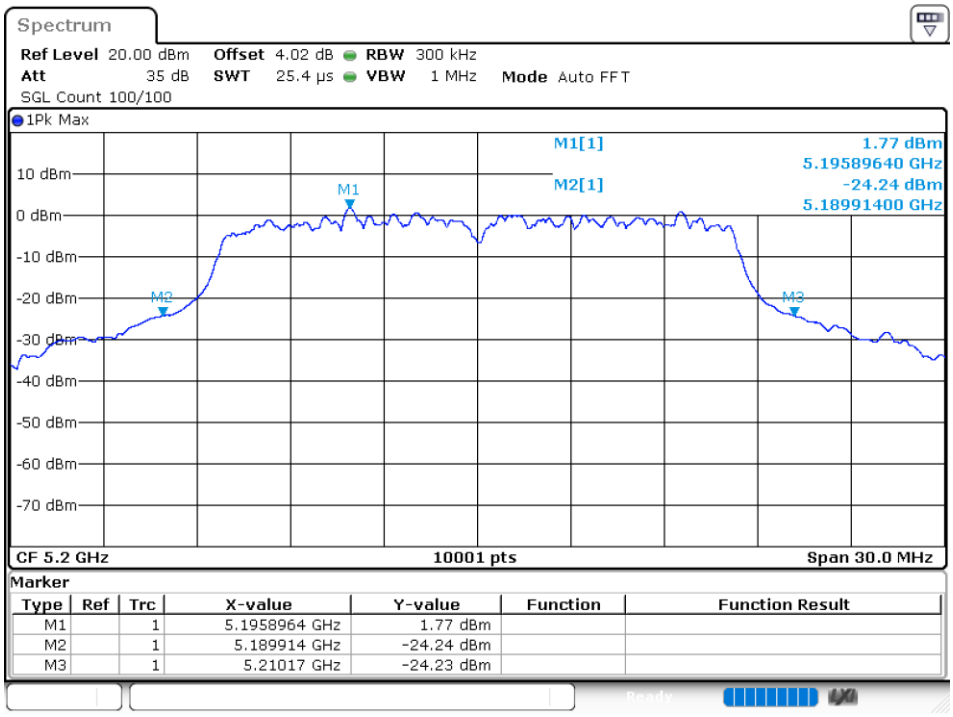
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.58	0.5	Pass
NVNT	a	5200	Ant1	20.256	0.5	Pass
NVNT	a	5240	Ant1	22.08	0.5	Pass
NVNT	n20	5180	Ant1	22.773	0.5	Pass
NVNT	n20	5200	Ant1	23.748	0.5	Pass
NVNT	n20	5240	Ant1	23.967	0.5	Pass
NVNT	n40	5190	Ant1	47.232	0.5	Pass
NVNT	n40	5230	Ant1	46.302	0.5	Pass
NVNT	ac20	5180	Ant1	23.535	0.5	Pass
NVNT	ac20	5200	Ant1	24.879	0.5	Pass
NVNT	ac20	5240	Ant1	26.235	0.5	Pass
NVNT	ac40	5190	Ant1	47.844	0.5	Pass
NVNT	ac40	5230	Ant1	52.296	0.5	Pass
NVNT	ax20	5180	Ant1	21.522	0.5	Pass
NVNT	ax20	5200	Ant1	23.091	0.5	Pass
NVNT	ax20	5240	Ant1	22.158	0.5	Pass
NVNT	ax40	5190	Ant1	44.736	0.5	Pass
NVNT	ax40	5230	Ant1	45.39	0.5	Pass

Test Graphs

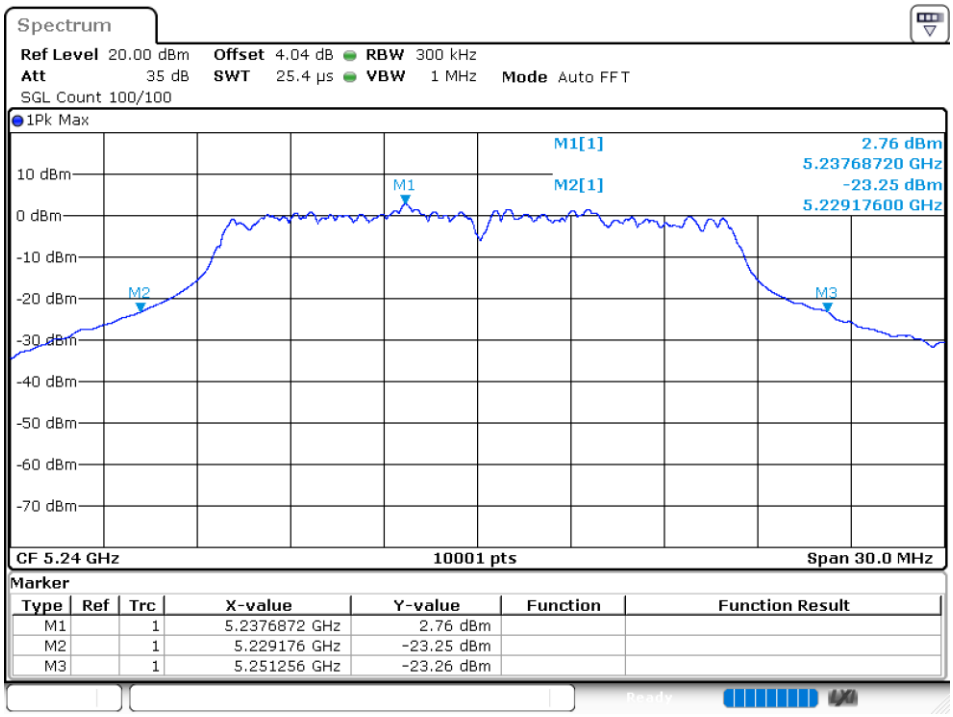
-26dB Bandwidth NVNT a 5180MHz Ant1



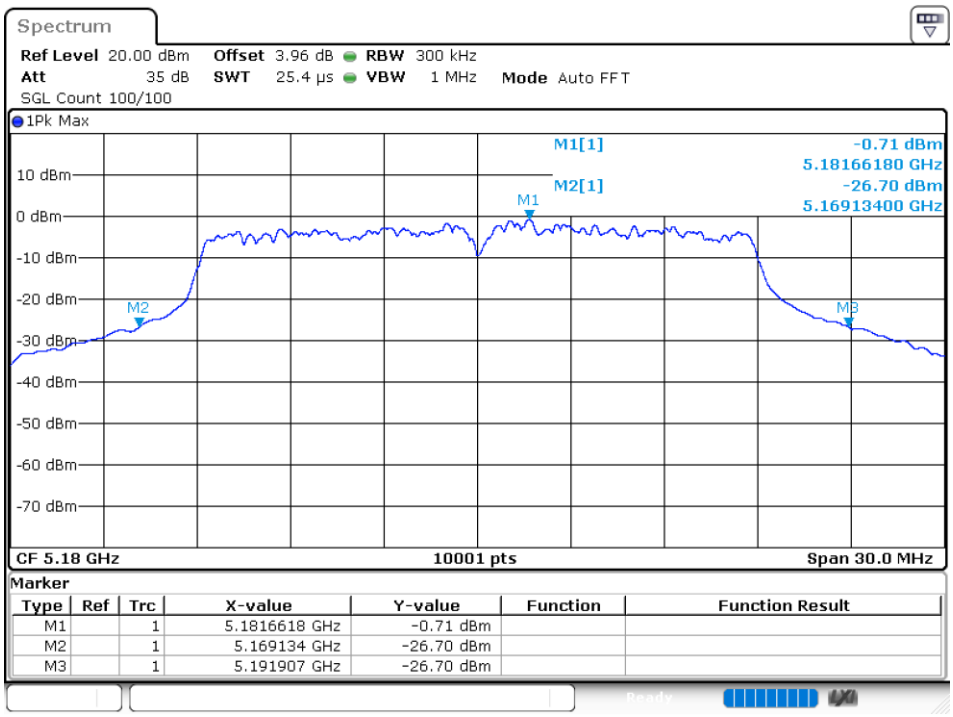
-26dB Bandwidth NVNT a 5200MHz Ant1



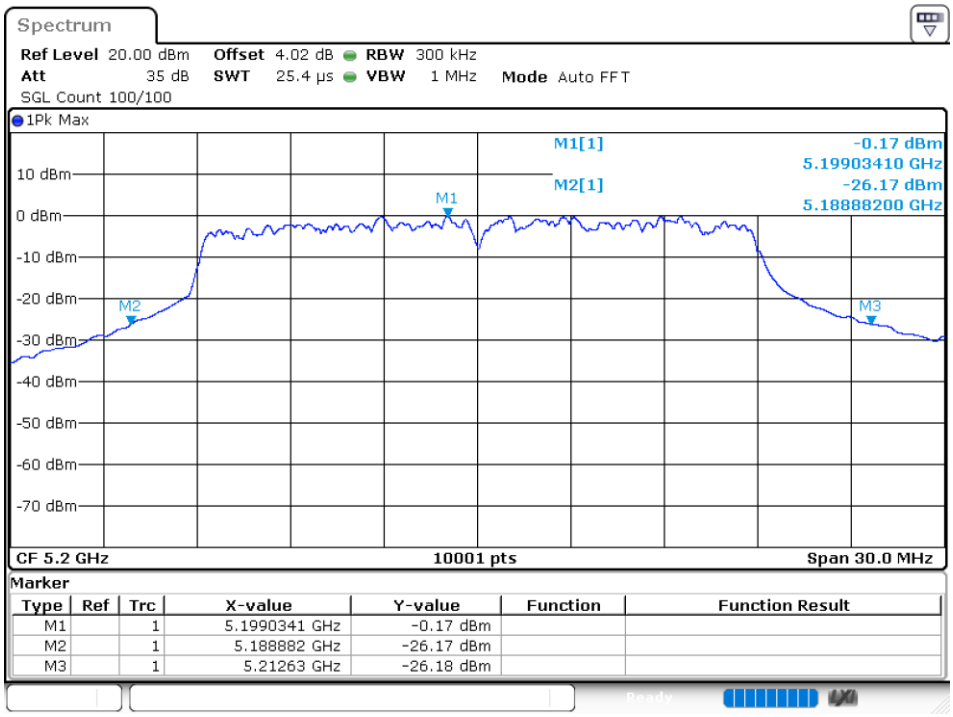
-26dB Bandwidth NVNT a 5240MHz Ant1



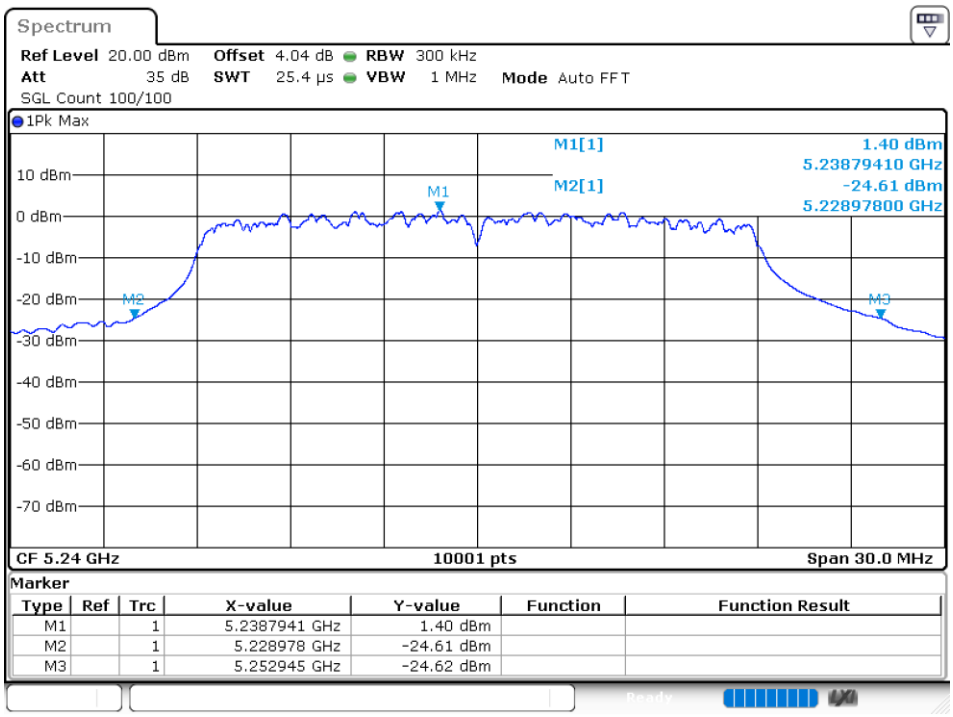
-26dB Bandwidth NVNT n20 5180MHz Ant1



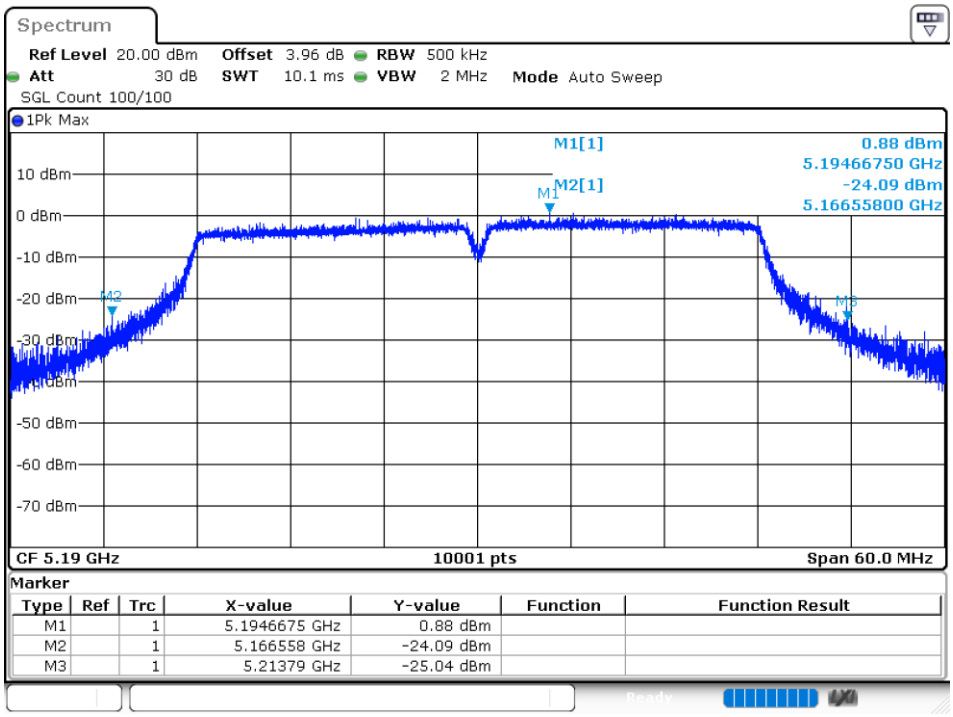
-26dB Bandwidth NVNT n20 5200MHz Ant1



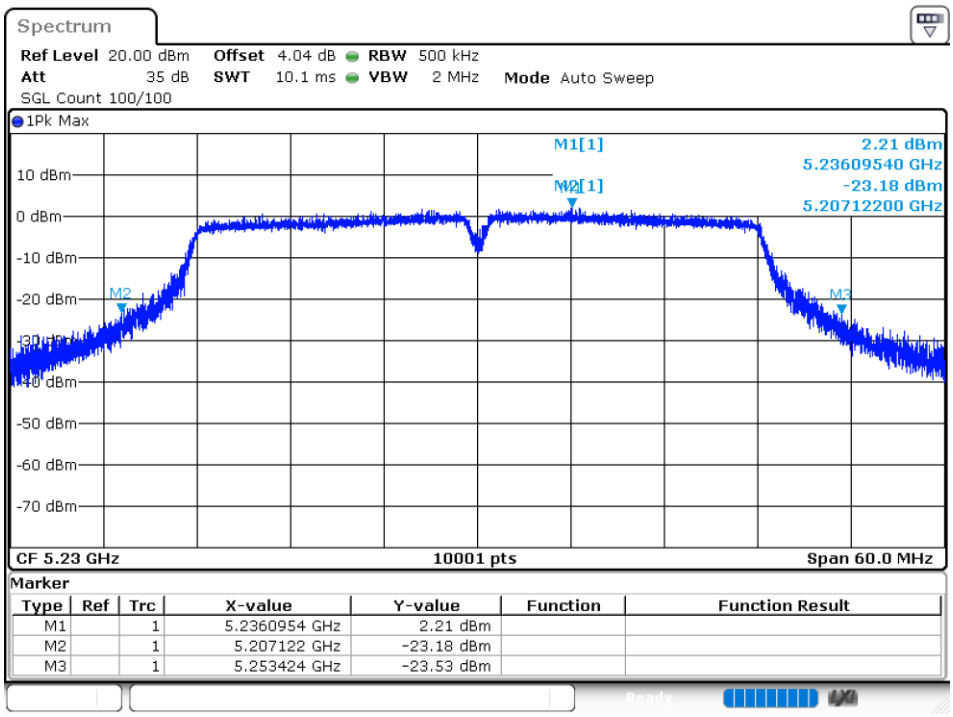
-26dB Bandwidth NVNT n20 5240MHz Ant1



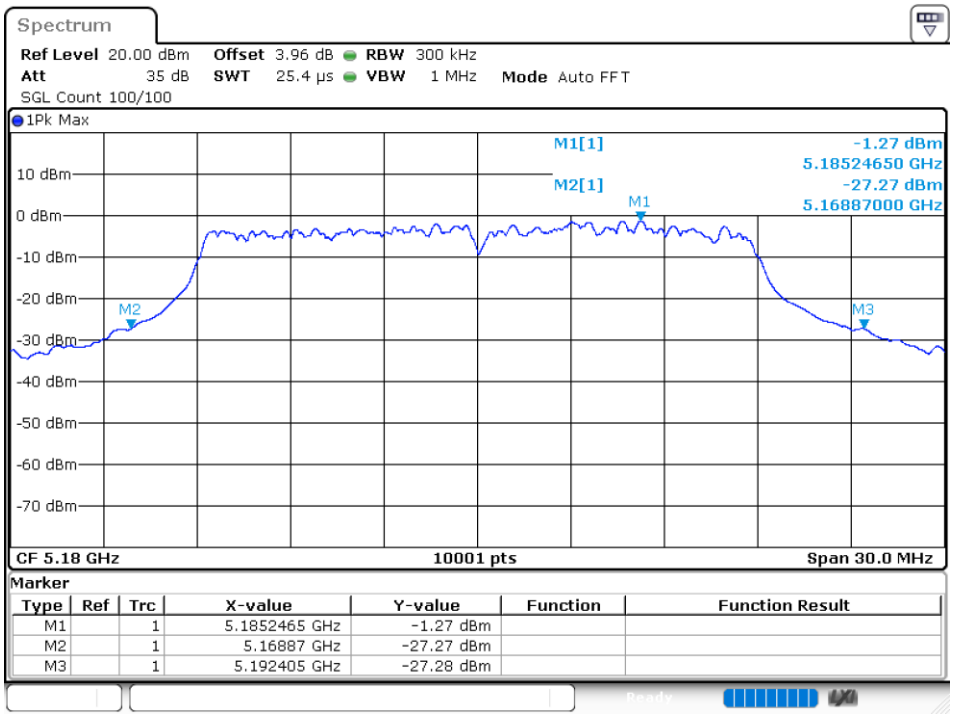
-26dB Bandwidth NVNT n40 5190MHz Ant1



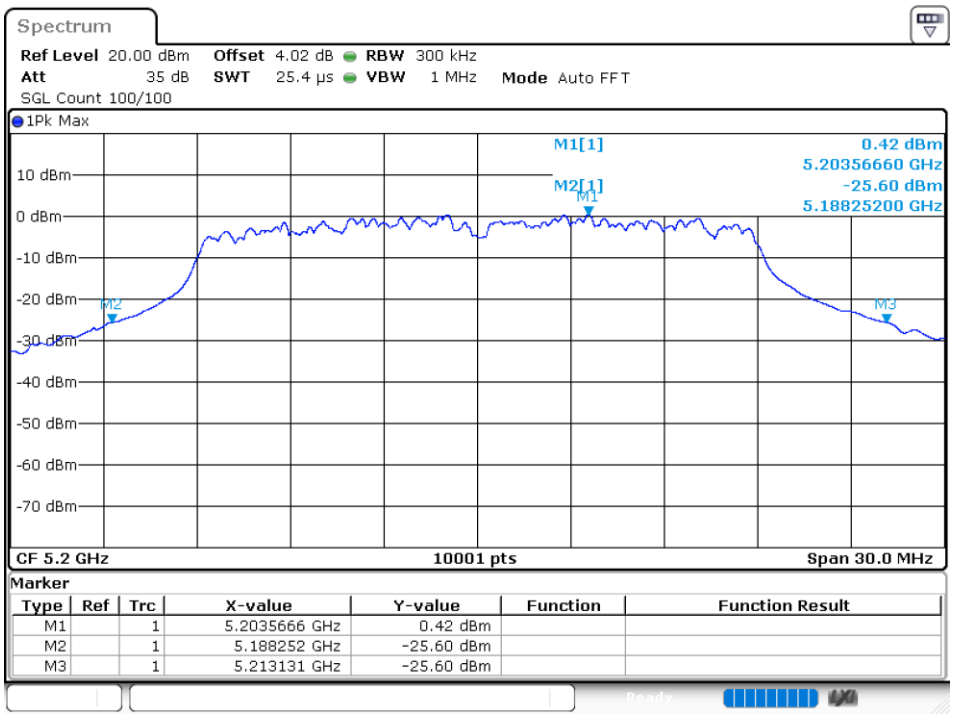
-26dB Bandwidth NVNT n40 5230MHz Ant1



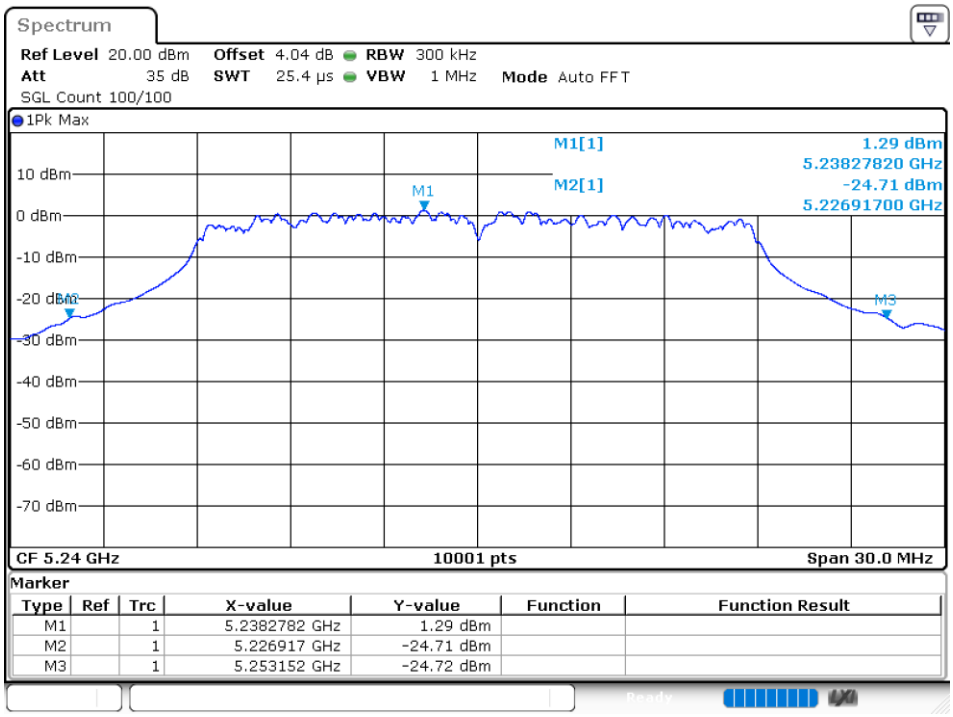
-26dB Bandwidth NVNT ac20 5180MHz Ant1



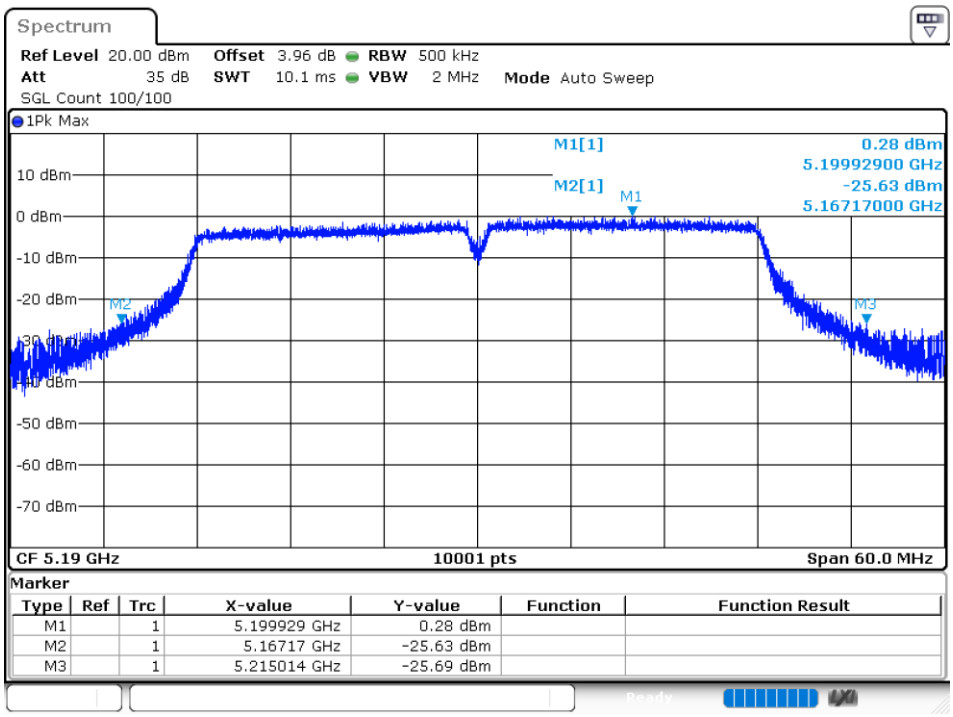
-26dB Bandwidth NVNT ac20 5200MHz Ant1



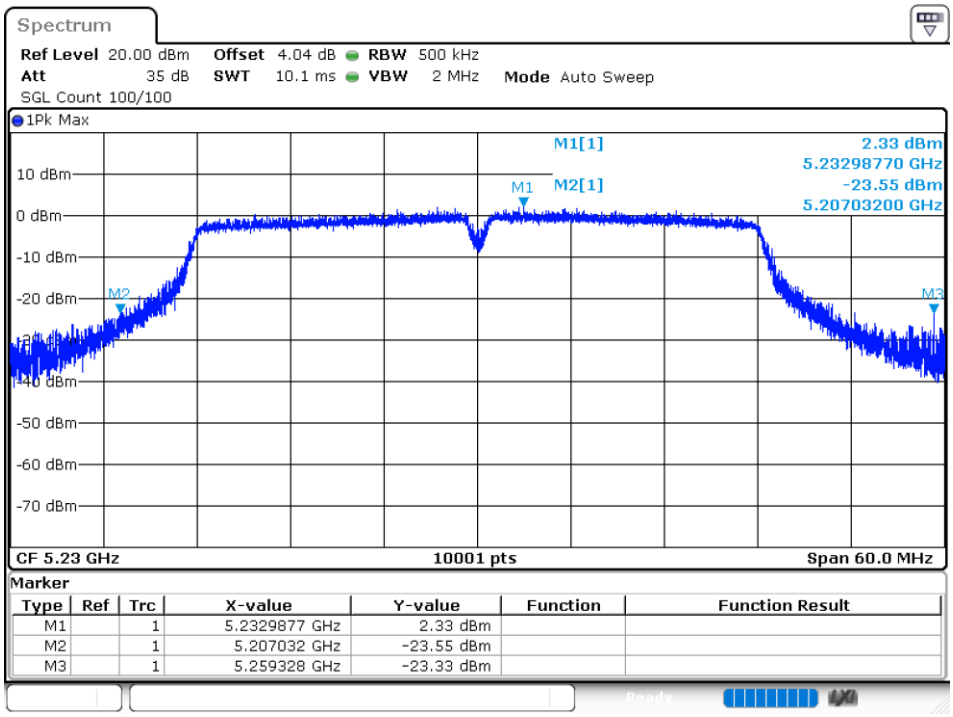
-26dB Bandwidth NVNT ac20 5240MHz Ant1



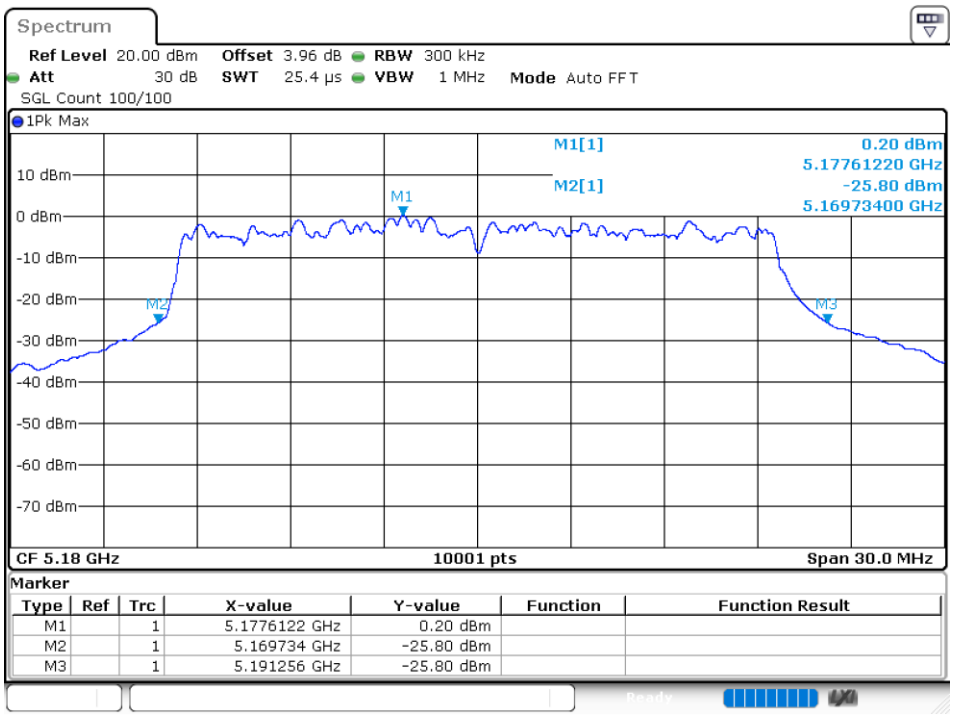
-26dB Bandwidth NVNT ac40 5190MHz Ant1



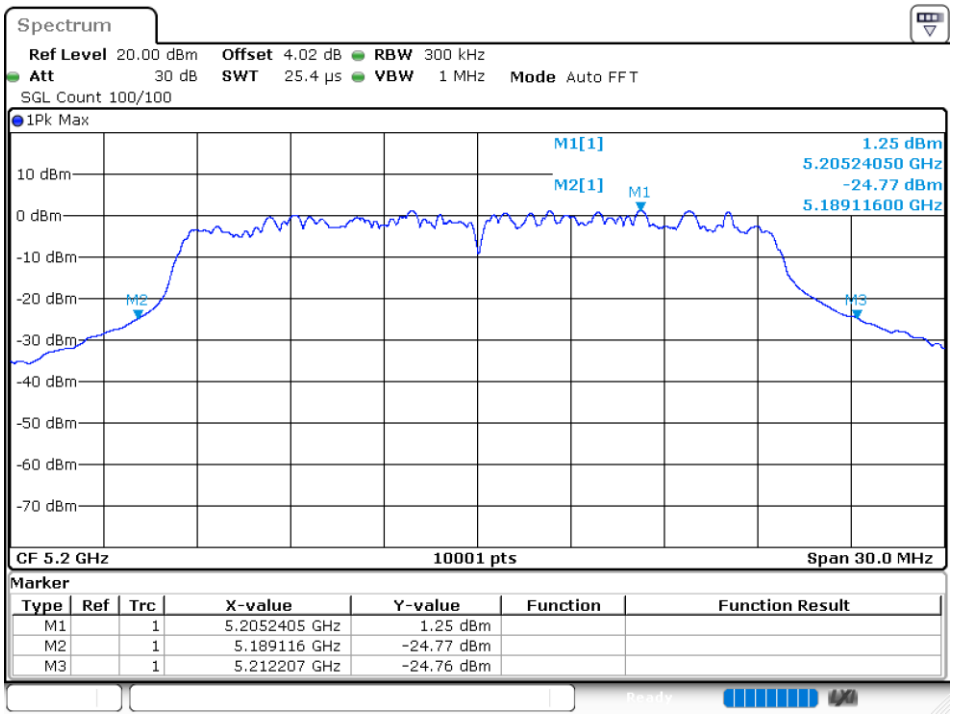
-26dB Bandwidth NVNT ac40 5230MHz Ant1



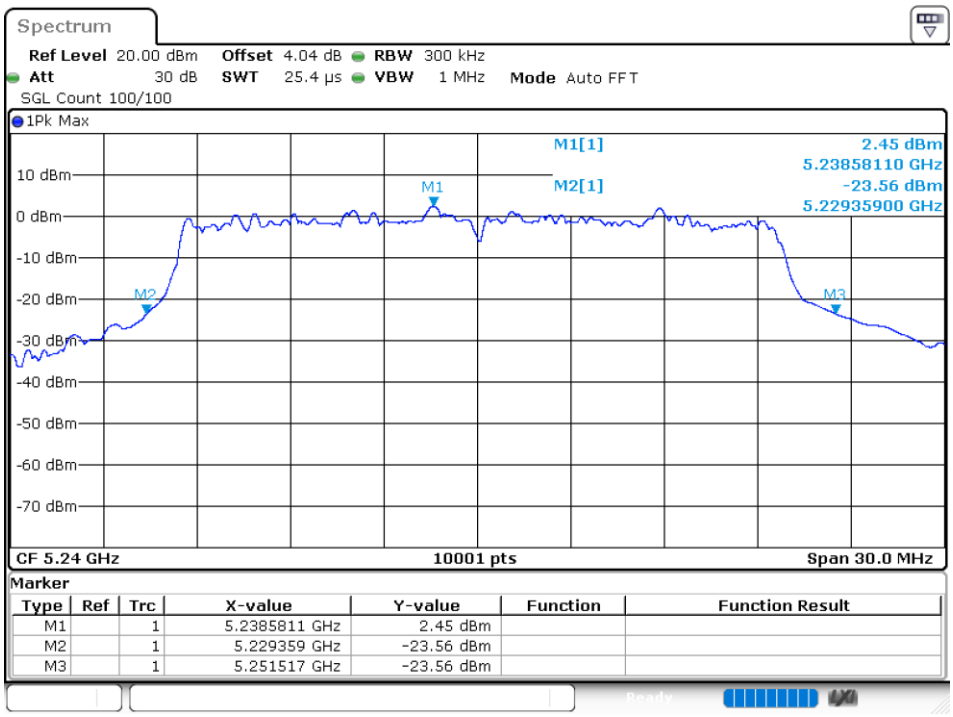
-26dB Bandwidth NVNT ax20 5180MHz Ant1



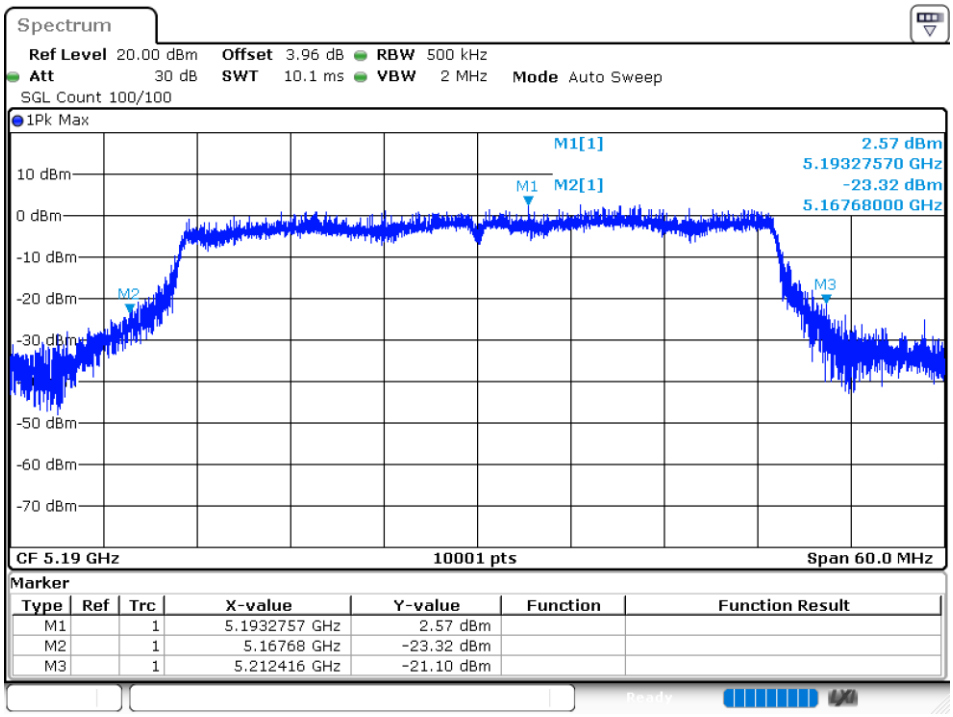
-26dB Bandwidth NVNT ax20 5200MHz Ant1



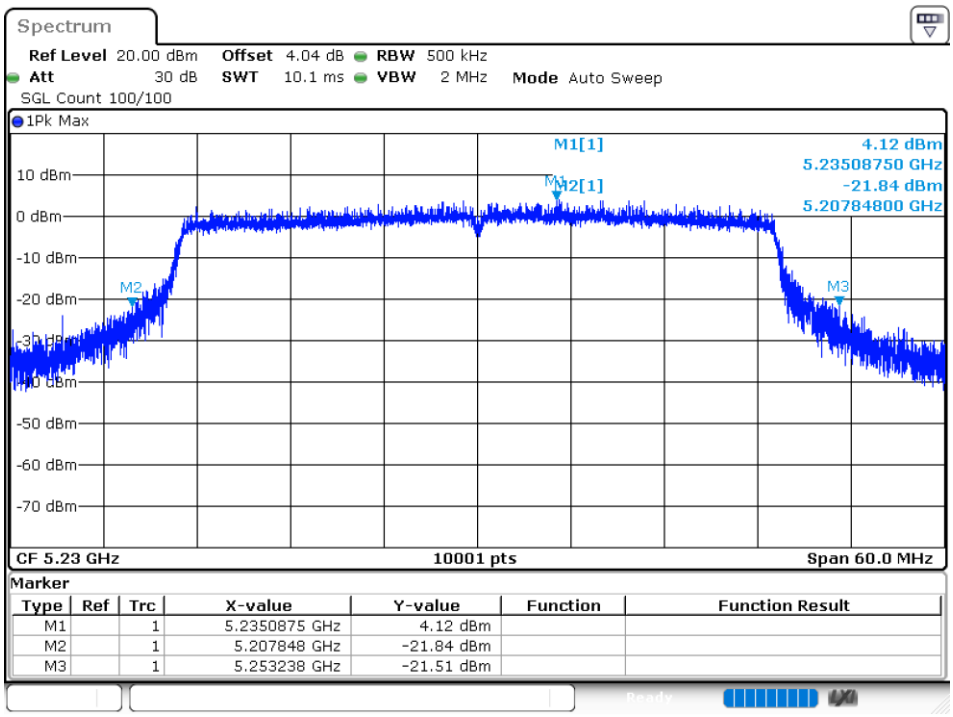
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



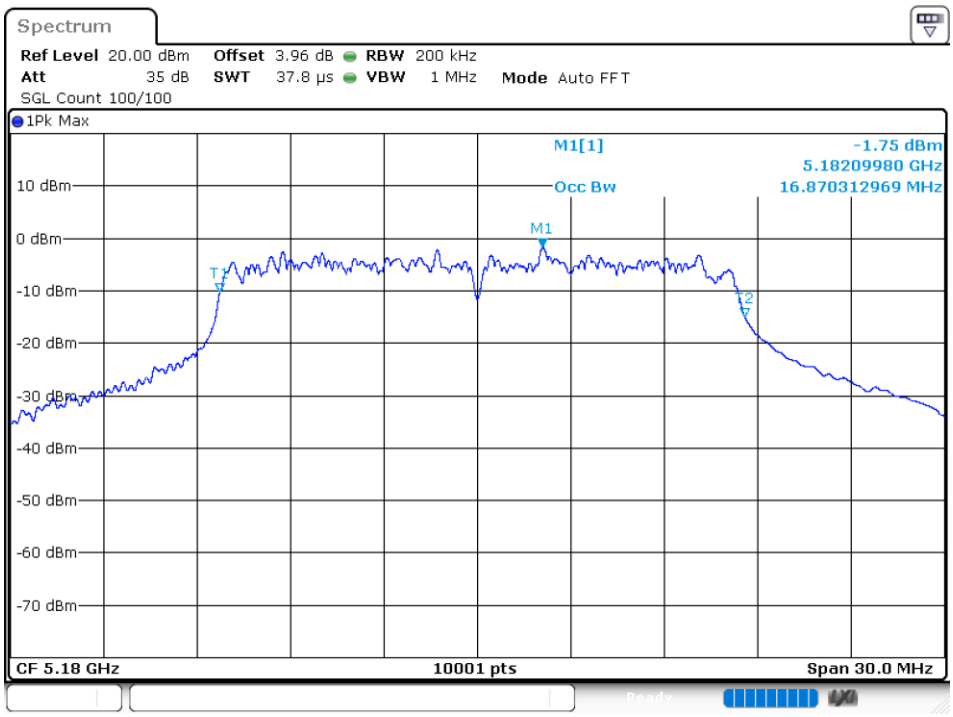
-26dB Bandwidth NVNT ax40 5230MHz Ant1



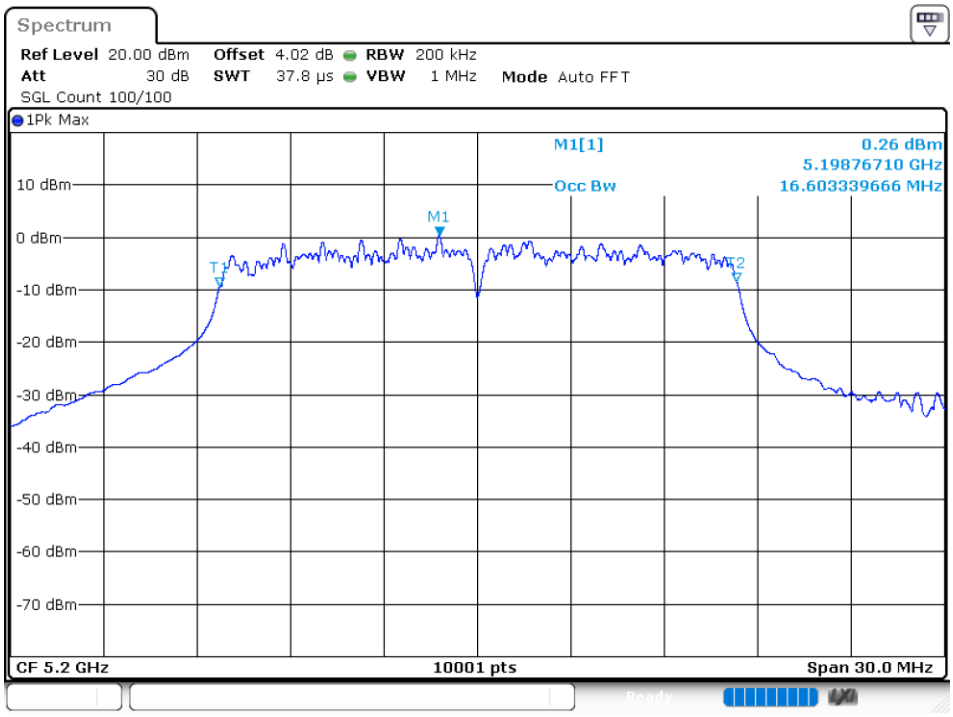
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.87
NVNT	a	5200	Ant1	16.603
NVNT	a	5240	Ant1	16.558
NVNT	n20	5180	Ant1	17.731
NVNT	n20	5200	Ant1	17.878
NVNT	n20	5240	Ant1	17.857
NVNT	n40	5190	Ant1	36.572
NVNT	n40	5230	Ant1	36.482
NVNT	ac20	5180	Ant1	18.013
NVNT	ac20	5200	Ant1	17.875
NVNT	ac20	5240	Ant1	17.719
NVNT	ac40	5190	Ant1	36.59
NVNT	ac40	5230	Ant1	36.446
NVNT	ax20	5180	Ant1	19.078
NVNT	ax20	5200	Ant1	18.955
NVNT	ax20	5240	Ant1	18.919
NVNT	ax40	5190	Ant1	37.928
NVNT	ax40	5230	Ant1	37.868

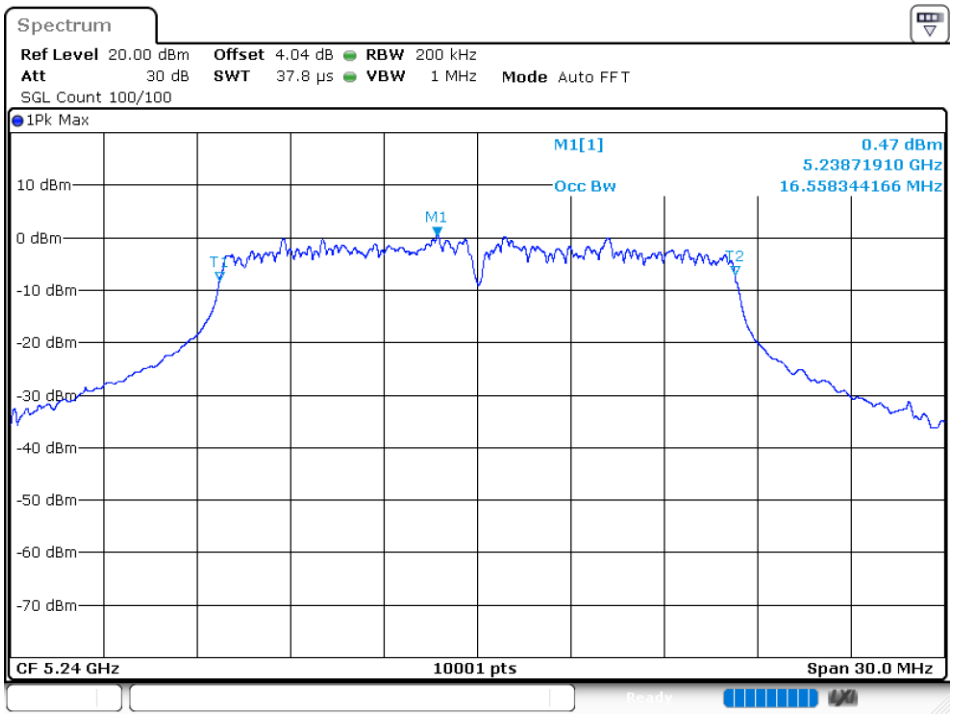
Test Graphs
OBW NVNT a 5180MHz Ant1



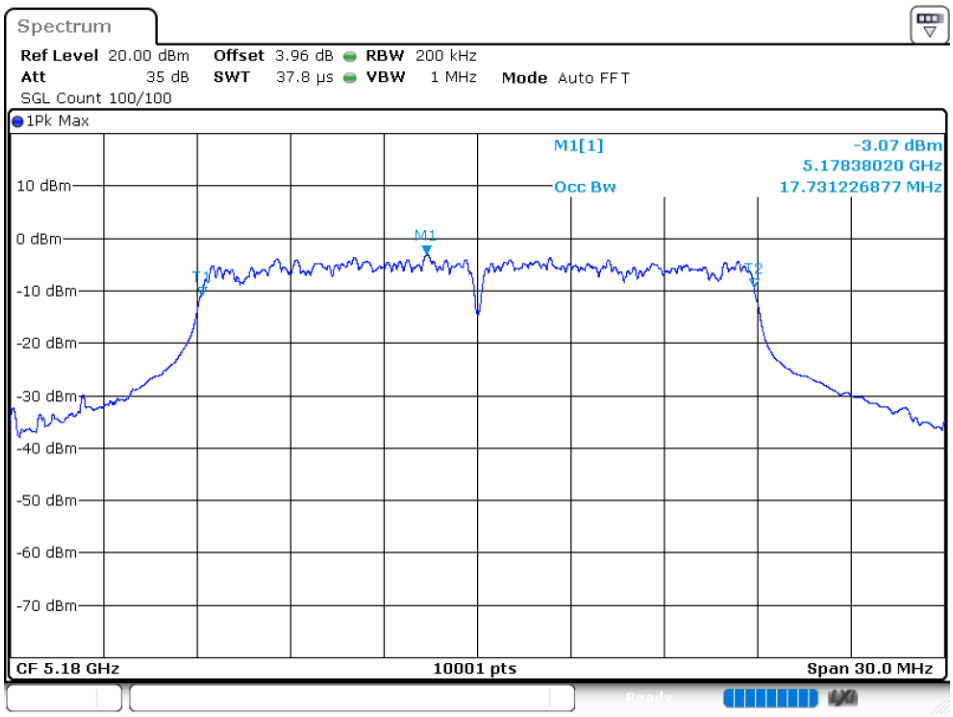
OBW NVNT a 5200MHz Ant1



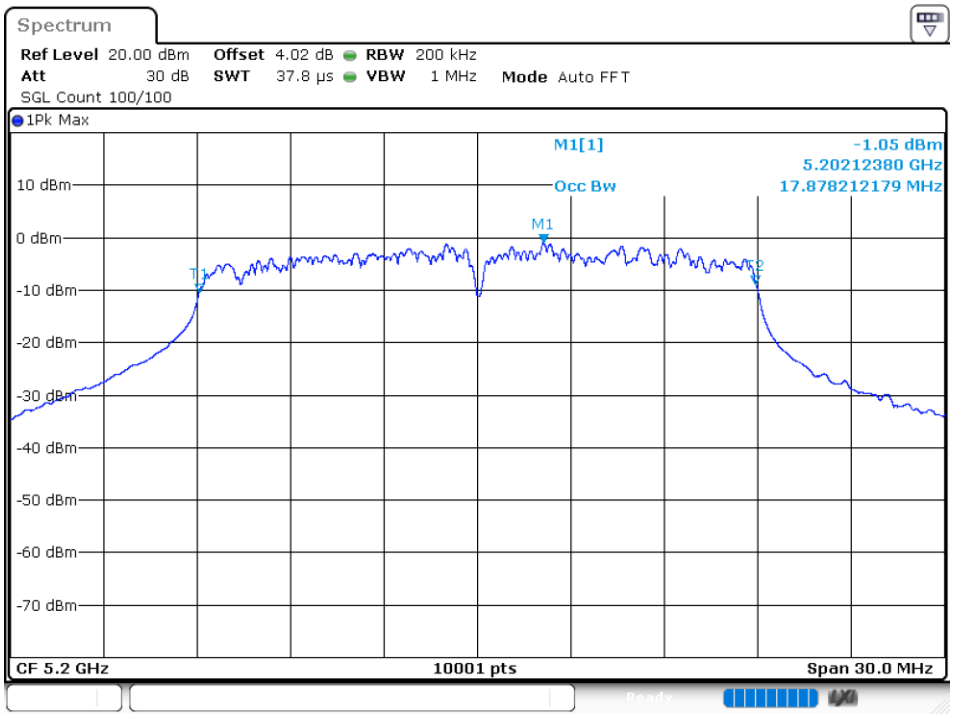
OBW NVNT a 5240MHz Ant1



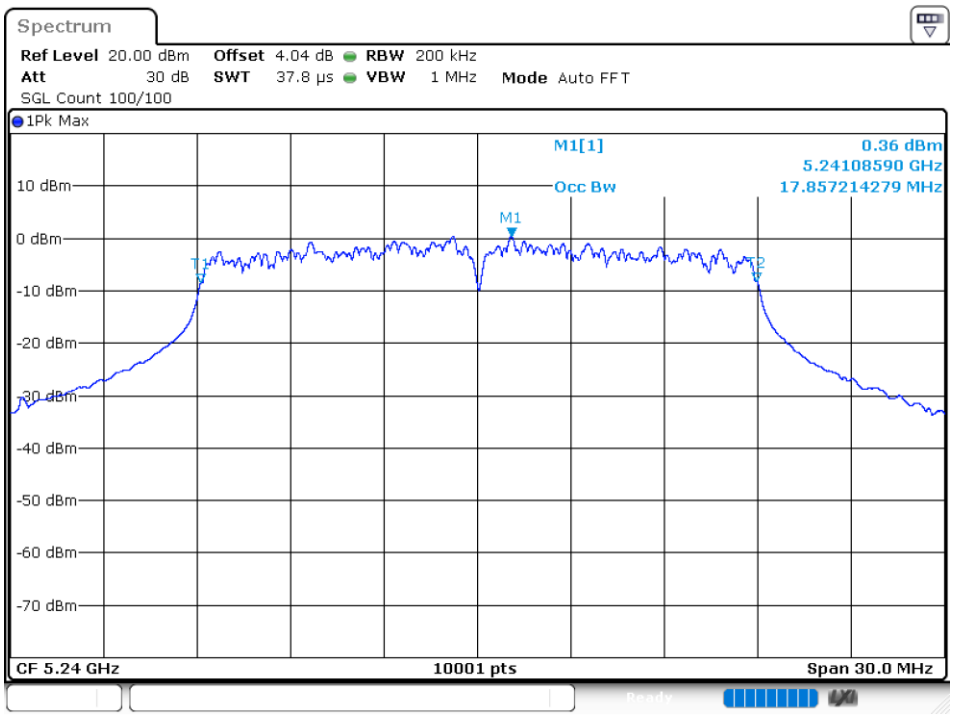
OBW NVNT n20 5180MHz Ant1



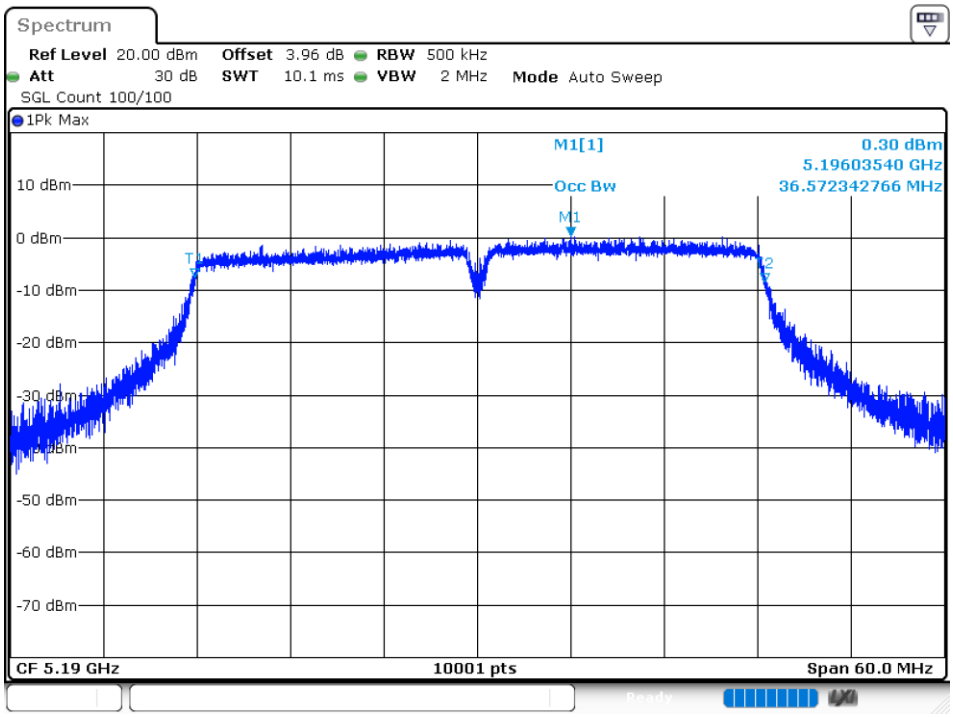
OBW NVNT n20 5200MHz Ant1



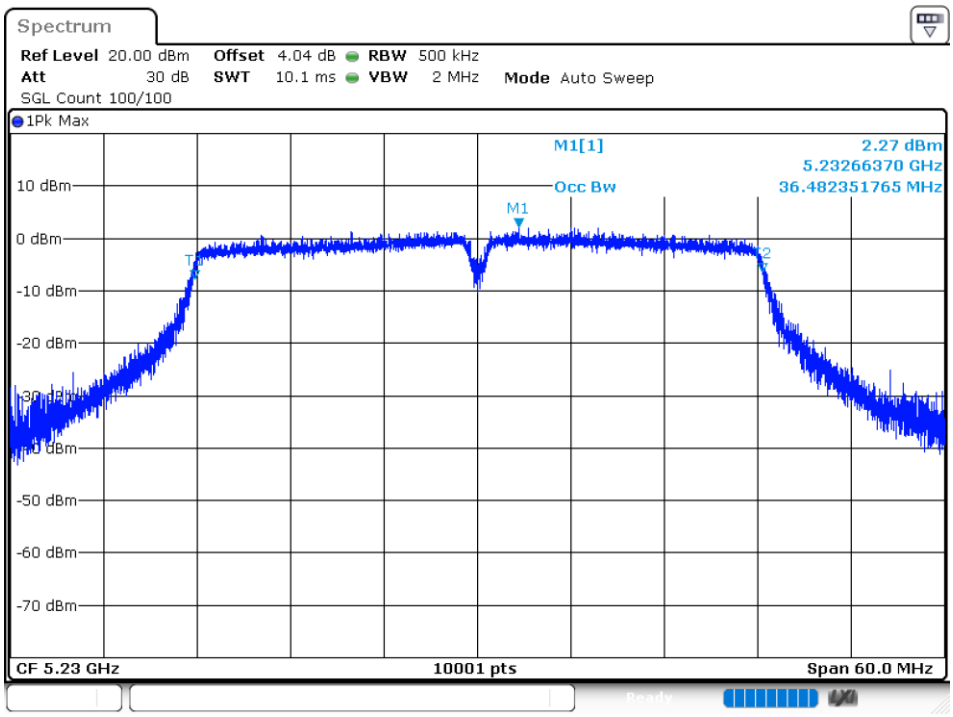
OBW NVNT n20 5240MHz Ant1



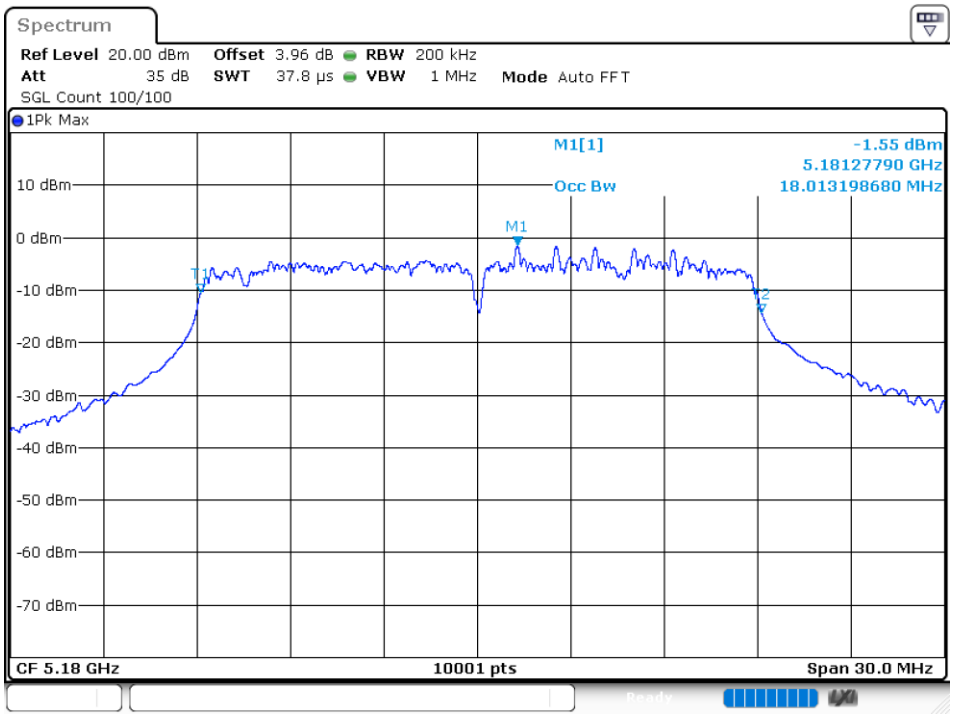
OBW NVNT n40 5190MHz Ant1



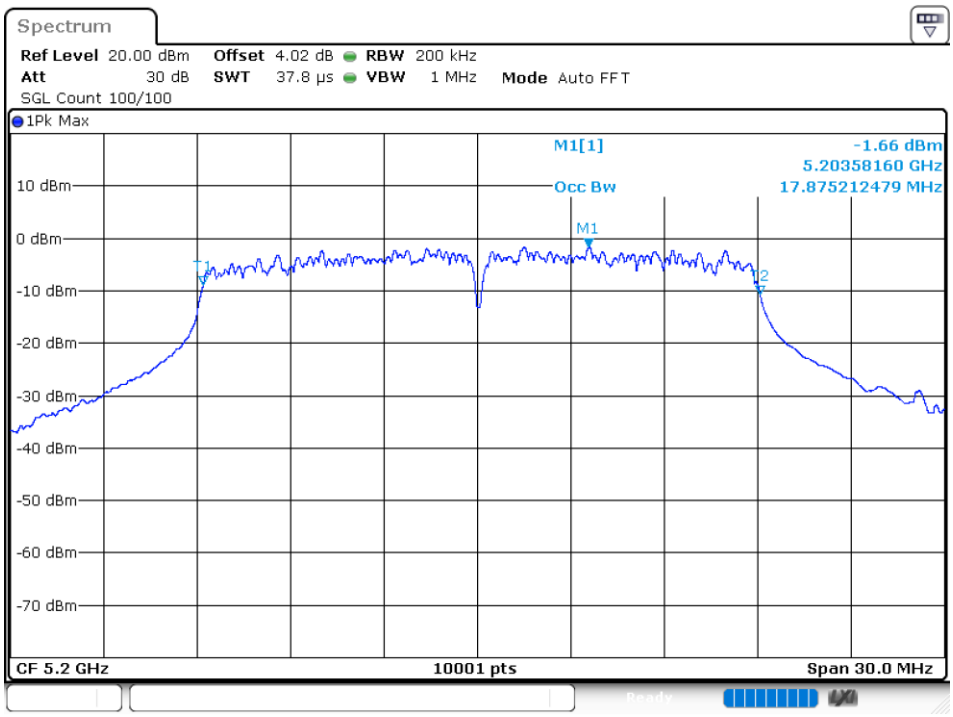
OBW NVNT n40 5230MHz Ant1



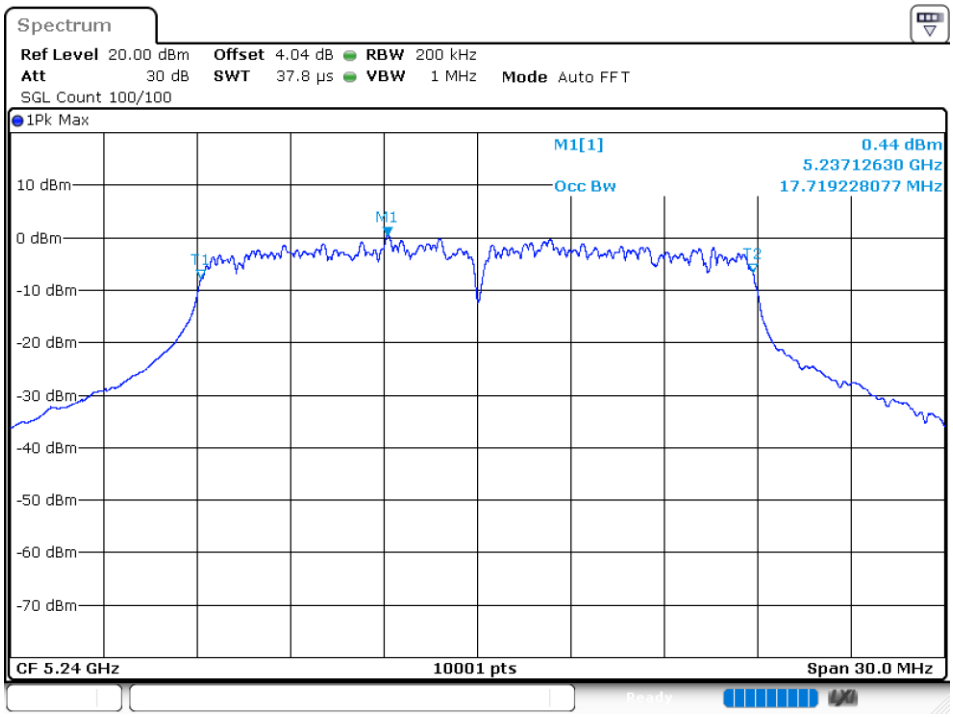
OBW NVNT ac20 5180MHz Ant1



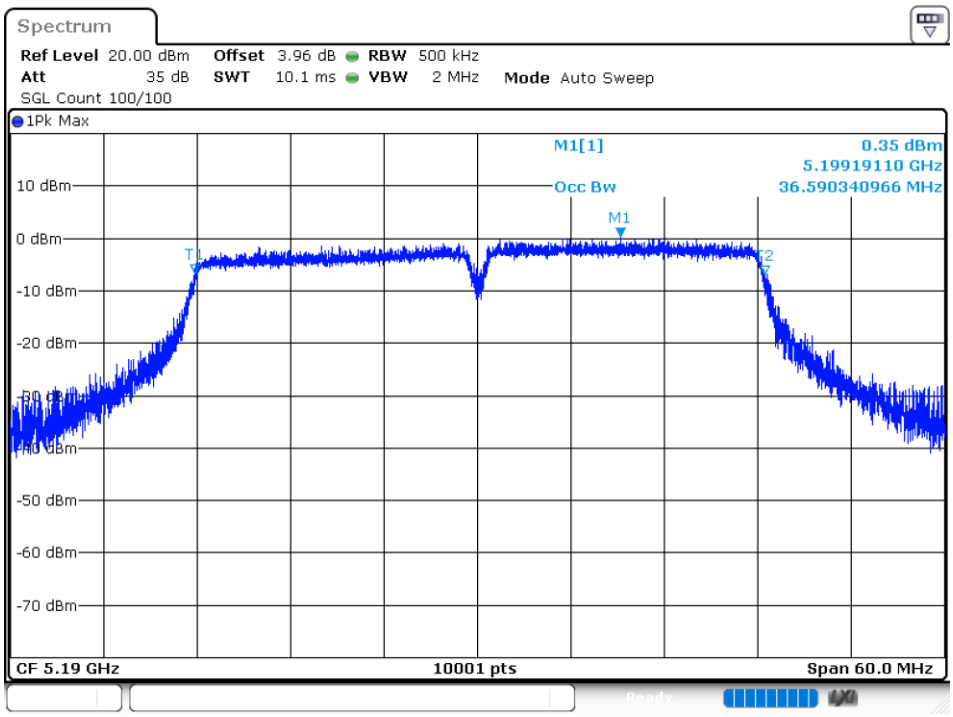
OBW NVNT ac20 5200MHz Ant1



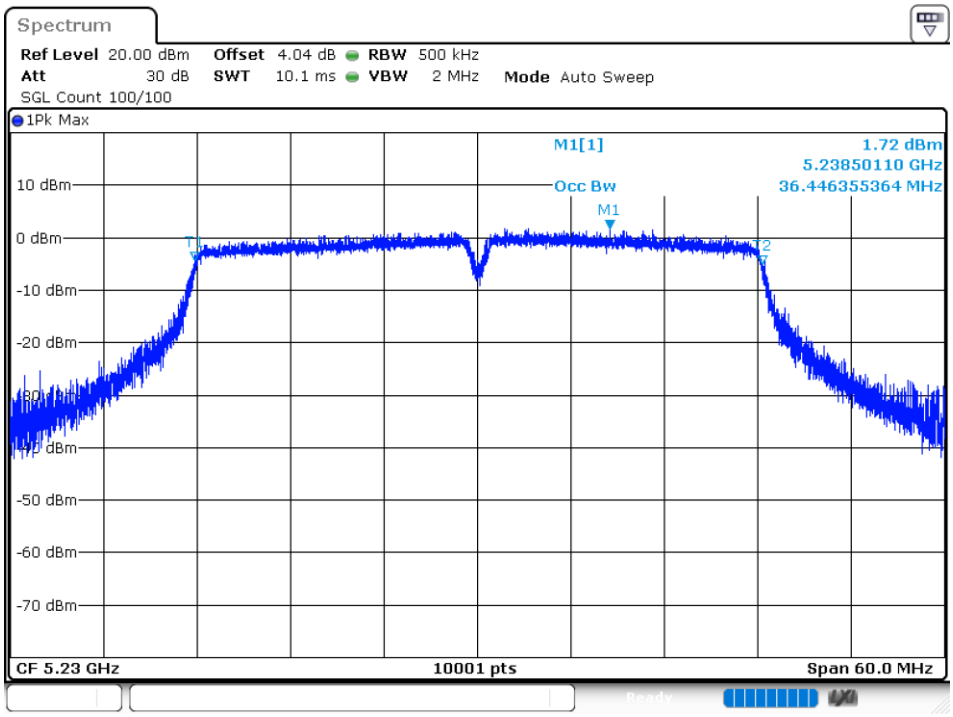
OBW NVNT ac20 5240MHz Ant1



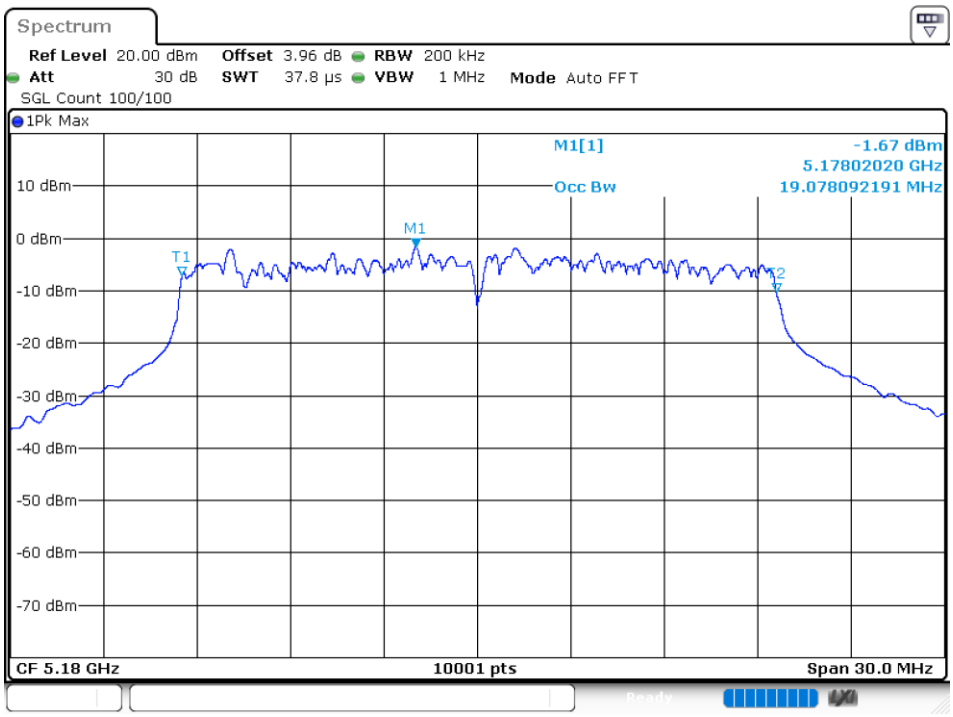
OBW NVNT ac40 5190MHz Ant1



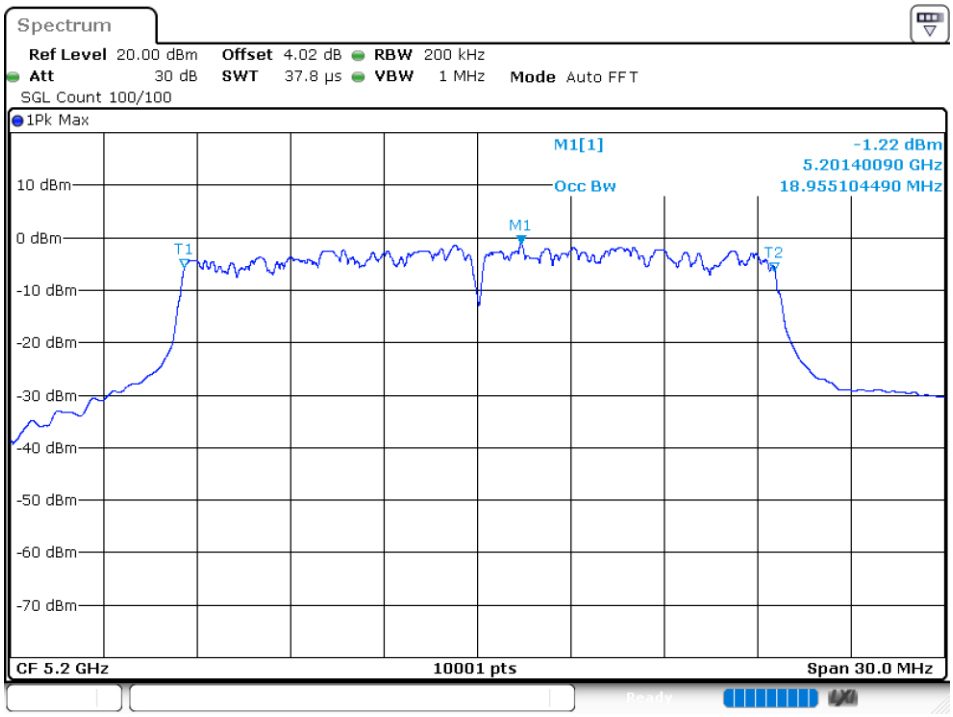
OBW NVNT ac40 5230MHz Ant1



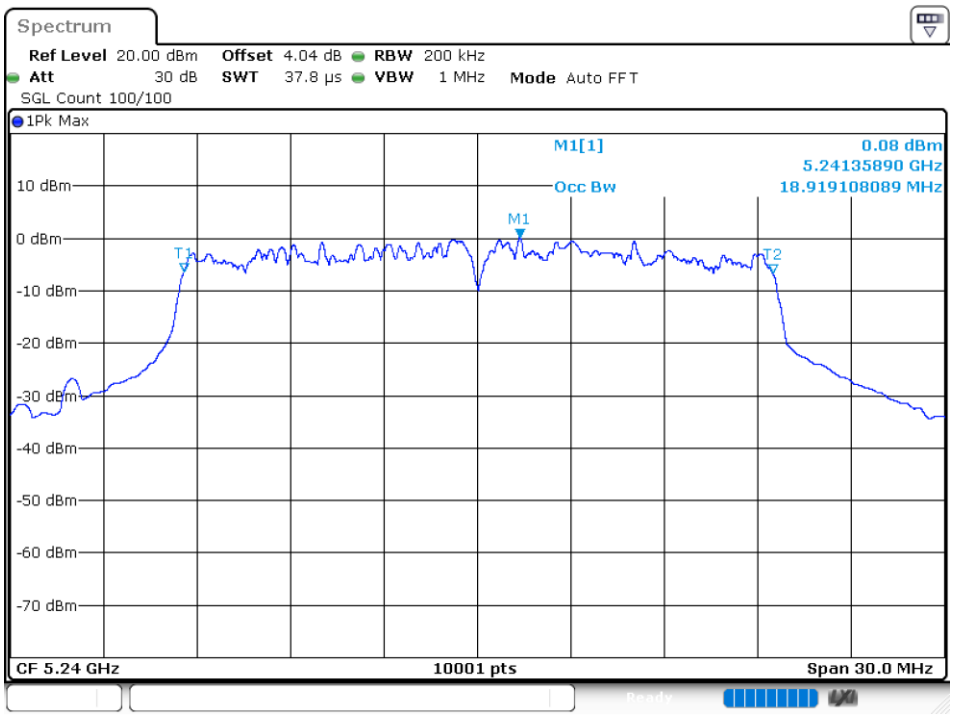
OBW NVNT ax20 5180MHz Ant1



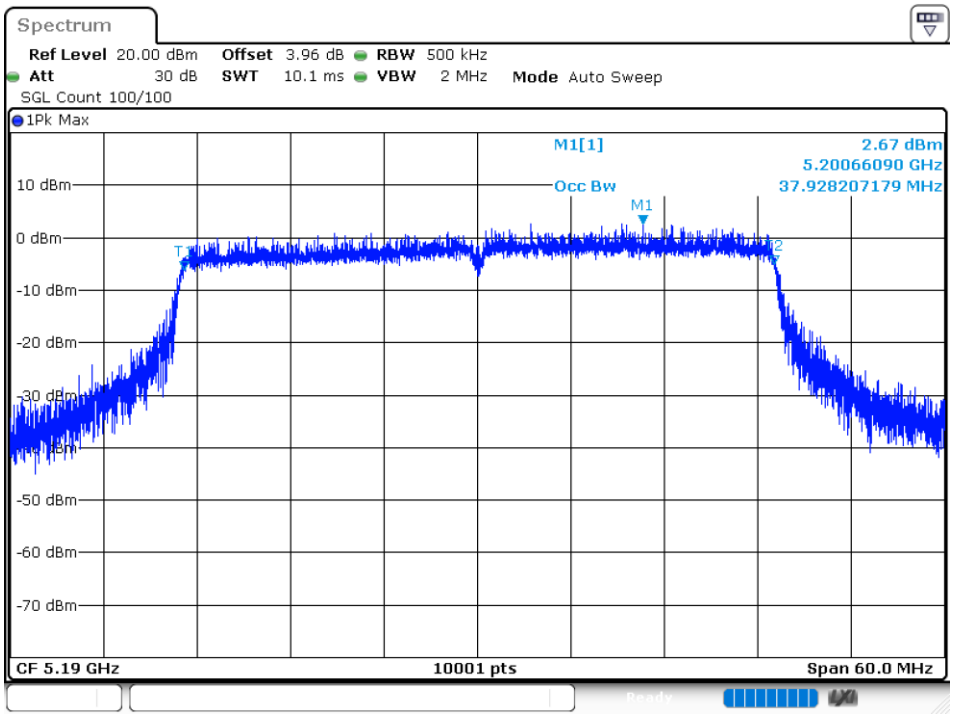
OBW NVNT ax20 5200MHz Ant1



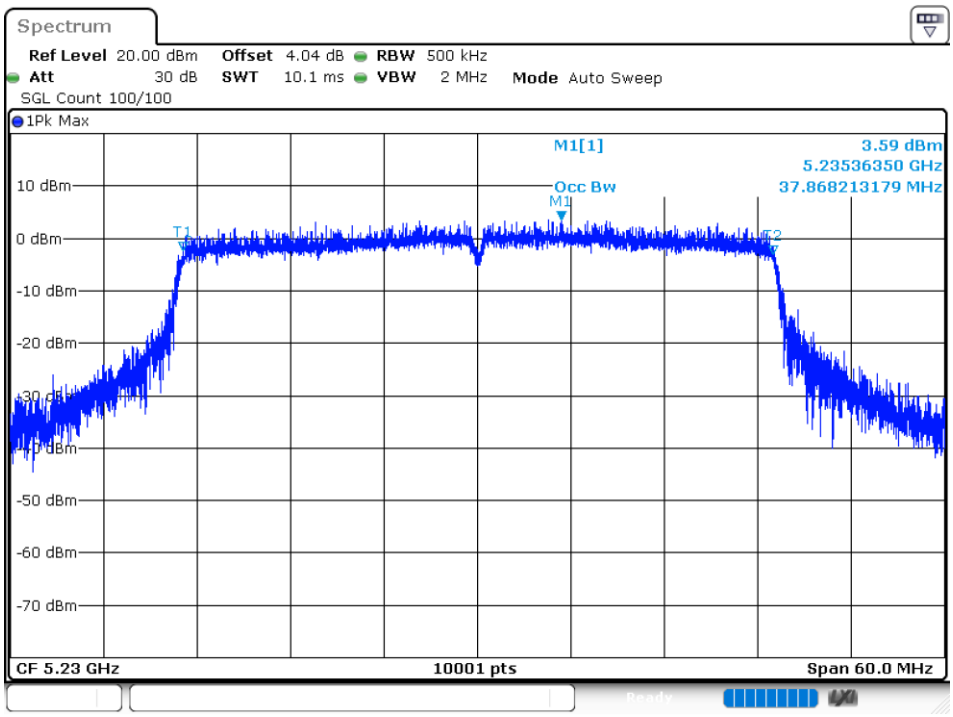
OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



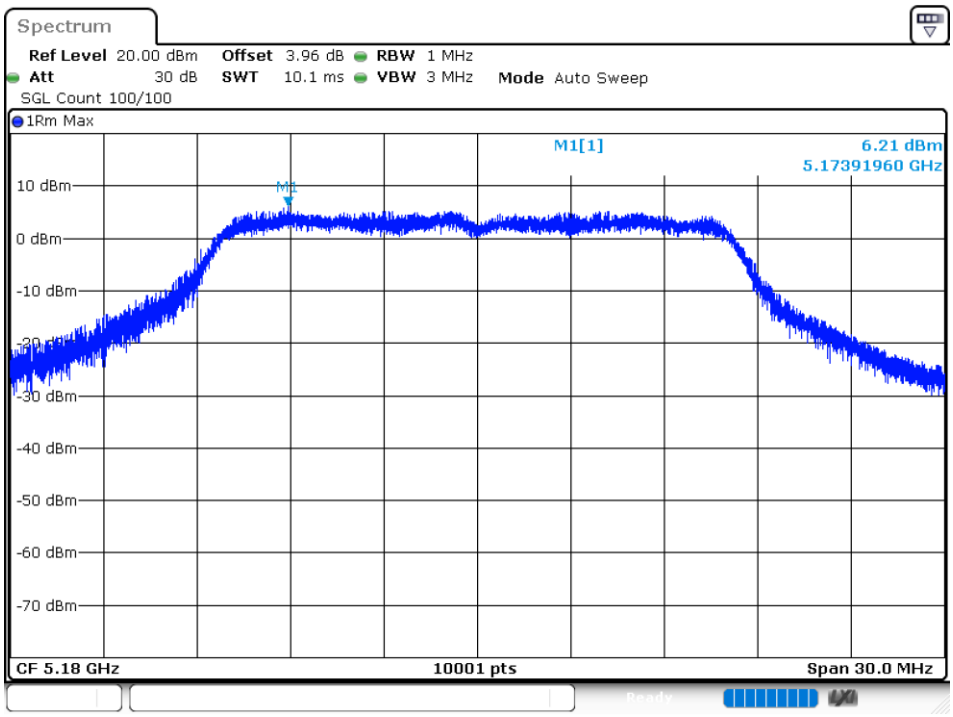
OBW NVNT ax40 5230MHz Ant1



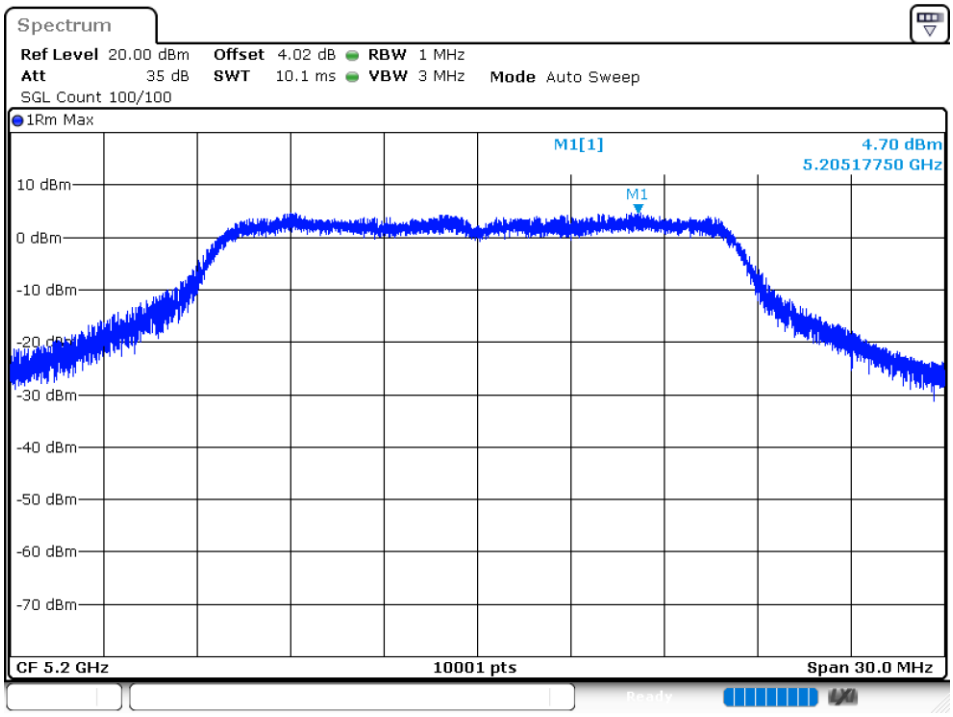
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	6.21	11	Pass
NVNT	a	5200	Ant1	4.7	11	Pass
NVNT	a	5240	Ant1	4.97	11	Pass
NVNT	n20	5180	Ant1	6.07	11	Pass
NVNT	n20	5200	Ant1	5.21	11	Pass
NVNT	n20	5240	Ant1	5.31	11	Pass
NVNT	n40	5190	Ant1	3.35	11	Pass
NVNT	n40	5230	Ant1	2.46	11	Pass
NVNT	ac20	5180	Ant1	4.25	11	Pass
NVNT	ac20	5200	Ant1	2.65	11	Pass
NVNT	ac20	5240	Ant1	2.56	11	Pass
NVNT	ac40	5190	Ant1	0.51	11	Pass
NVNT	ac40	5230	Ant1	-0.49	11	Pass
NVNT	ax20	5180	Ant1	4.28	11	Pass
NVNT	ax20	5200	Ant1	3.52	11	Pass
NVNT	ax20	5240	Ant1	3.57	11	Pass
NVNT	ax40	5190	Ant1	1.04	11	Pass
NVNT	ax40	5230	Ant1	0.41	11	Pass

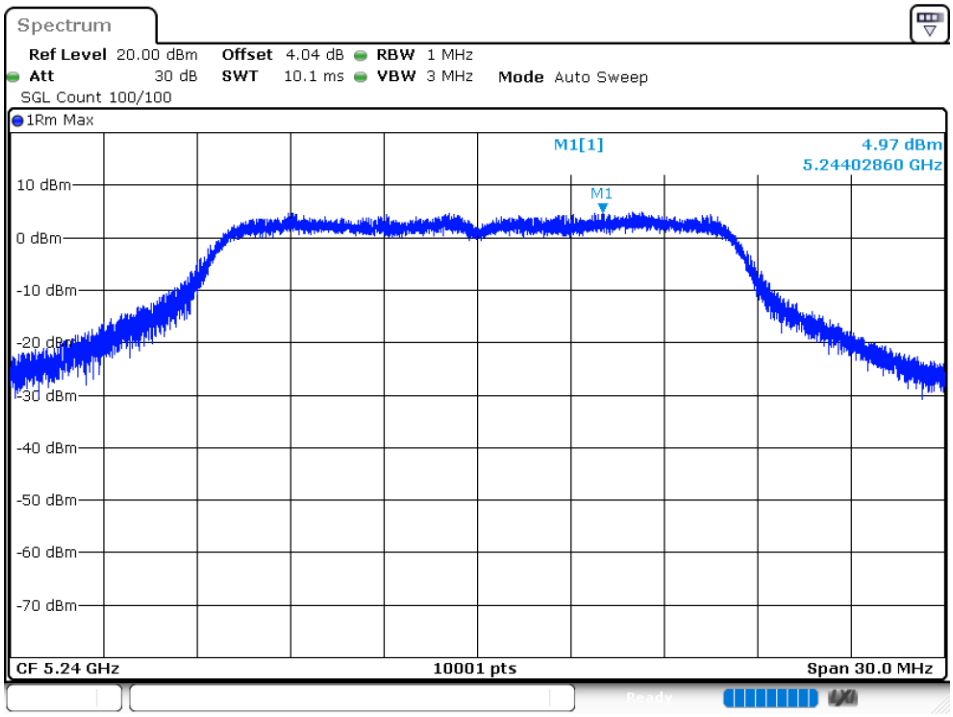
Test Graphs
PSD NVNT a 5180MHz Ant1



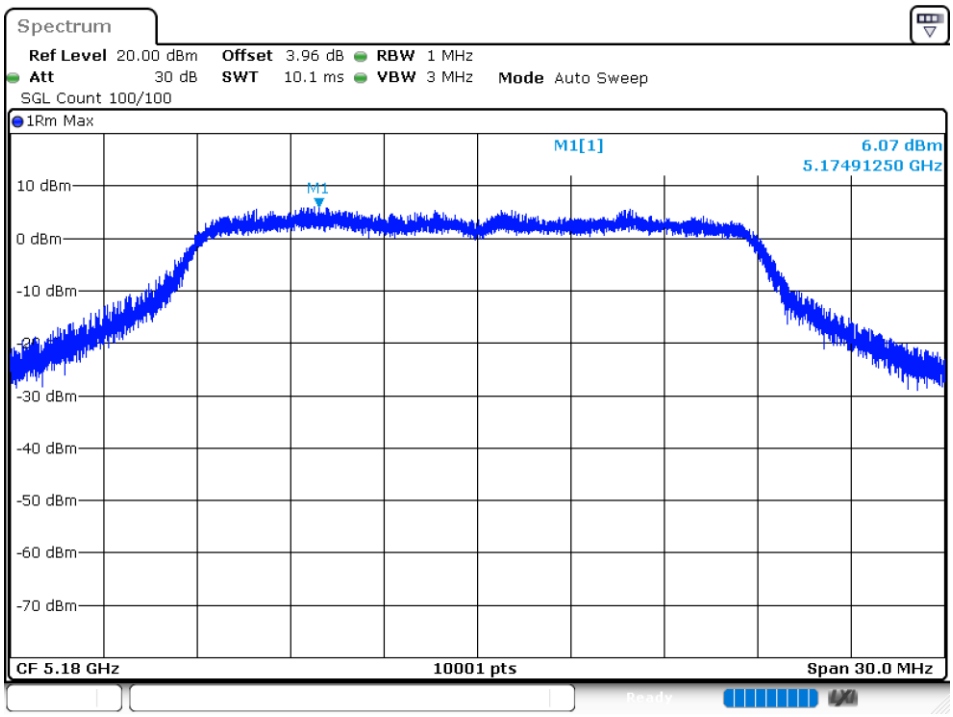
PSD NVNT a 5200MHz Ant1



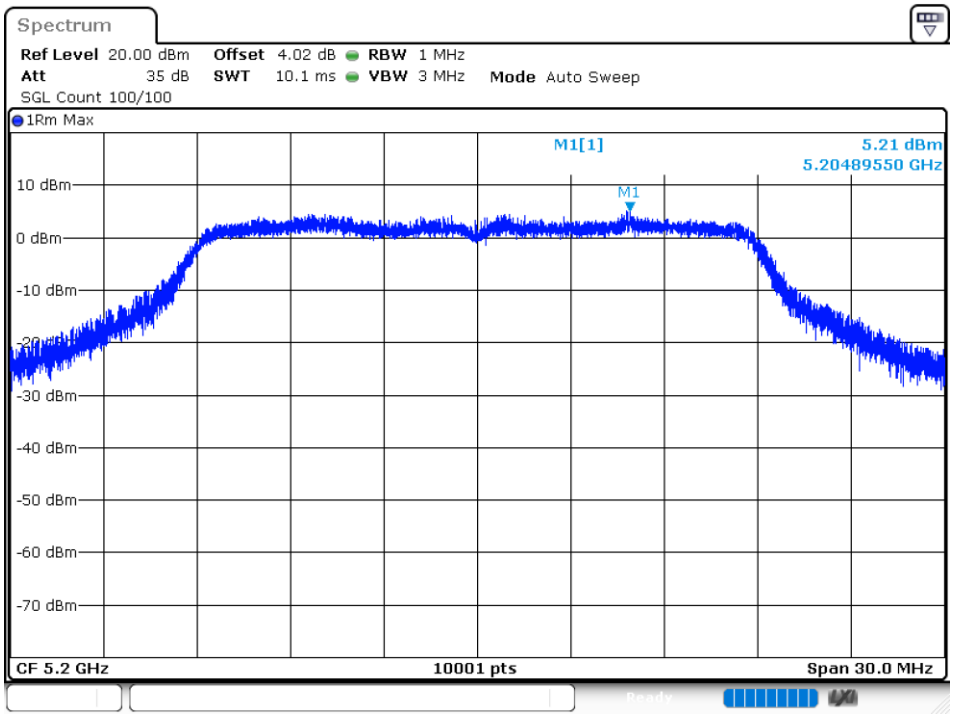
PSD NVNT a 5240MHz Ant1



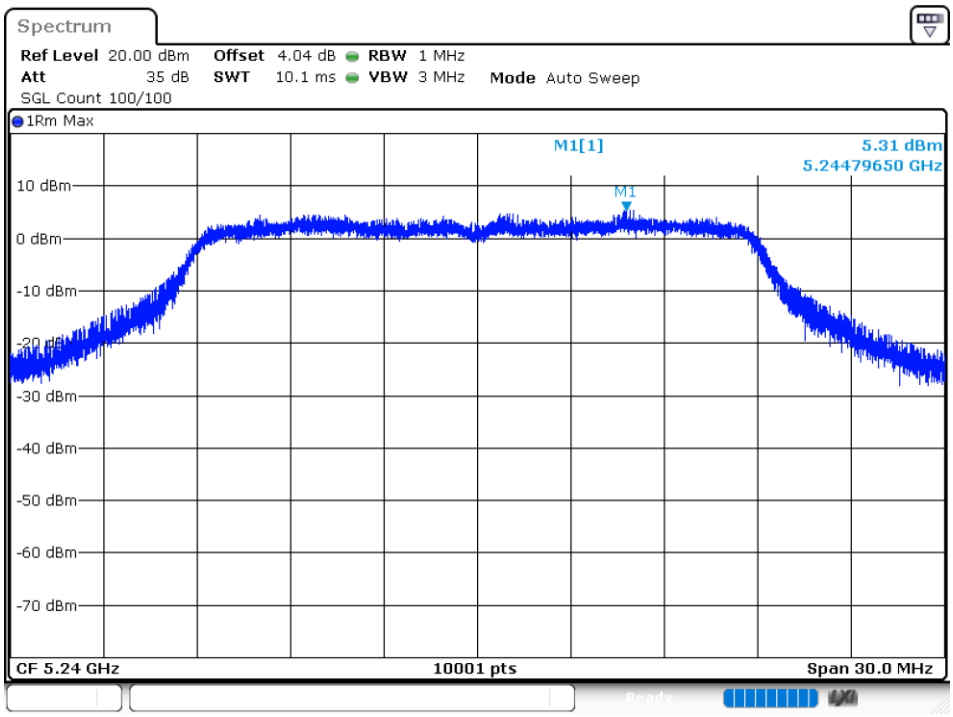
PSD NVNT n20 5180MHz Ant1



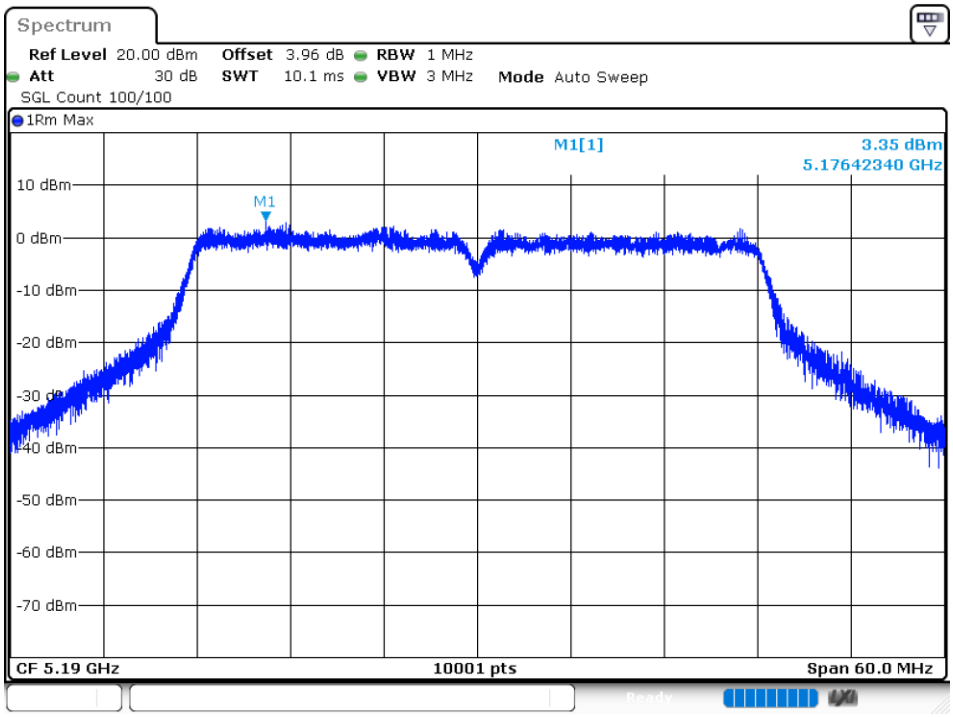
PSD NVNT n20 5200MHz Ant1



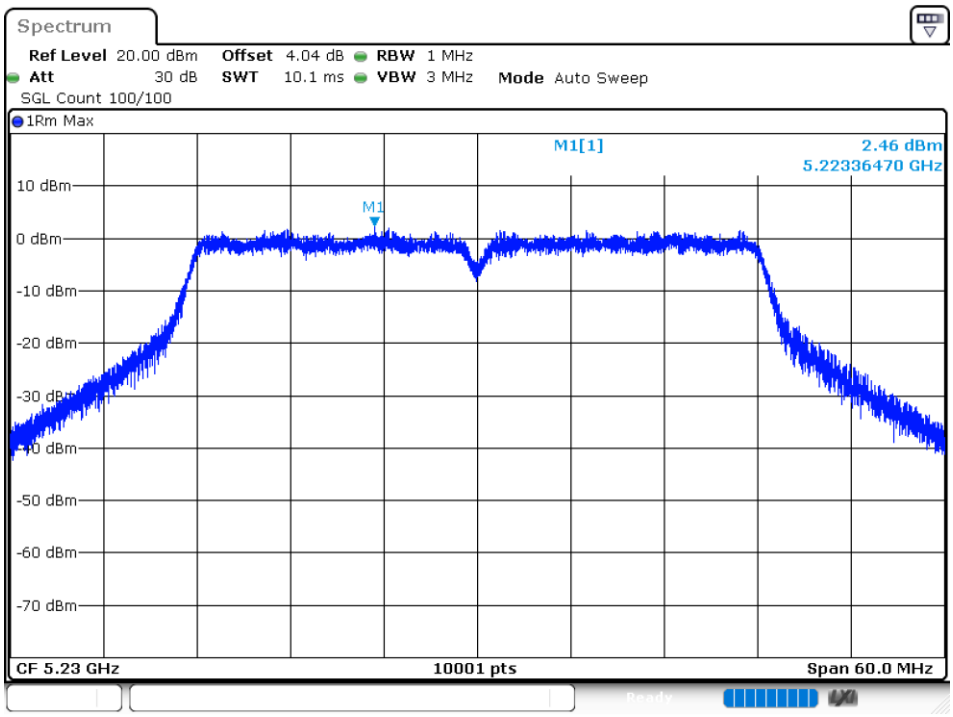
PSD NVNT n20 5240MHz Ant1



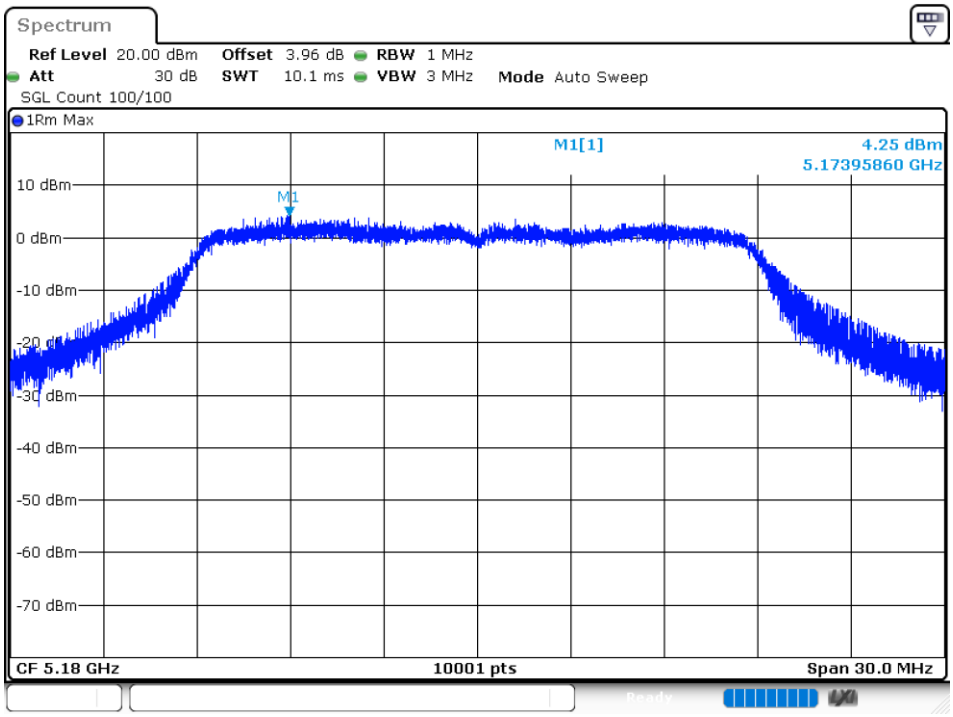
PSD NVNT n40 5190MHz Ant1



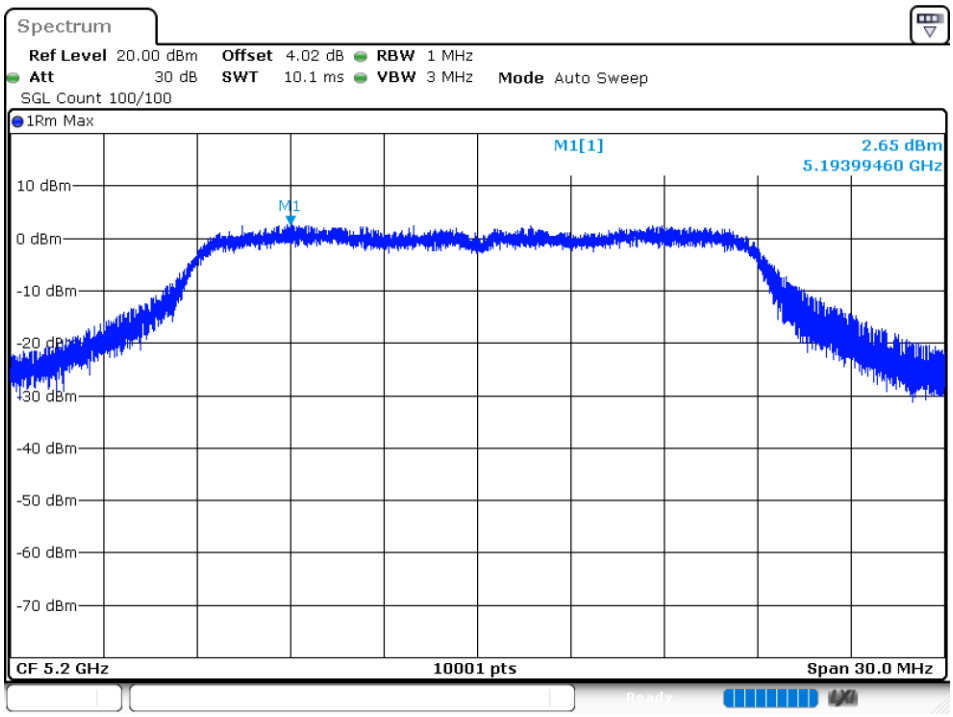
PSD NVNT n40 5230MHz Ant1



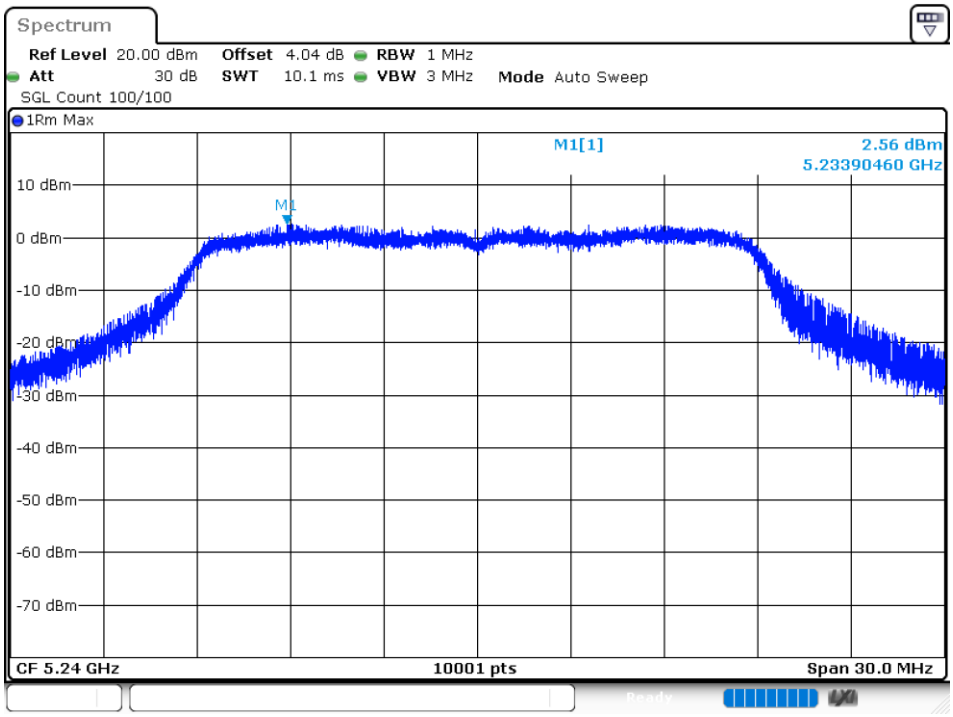
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



PSD NVNT ac20 5240MHz Ant1



PSD NVNT ac40 5190MHz Ant1