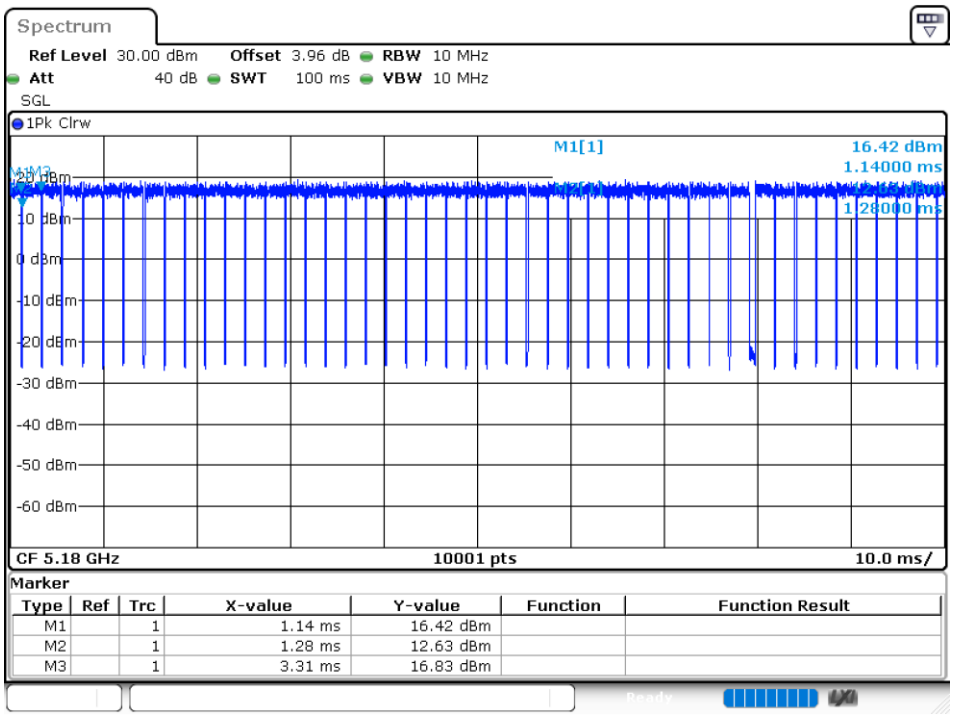
WIFI 5.2G:

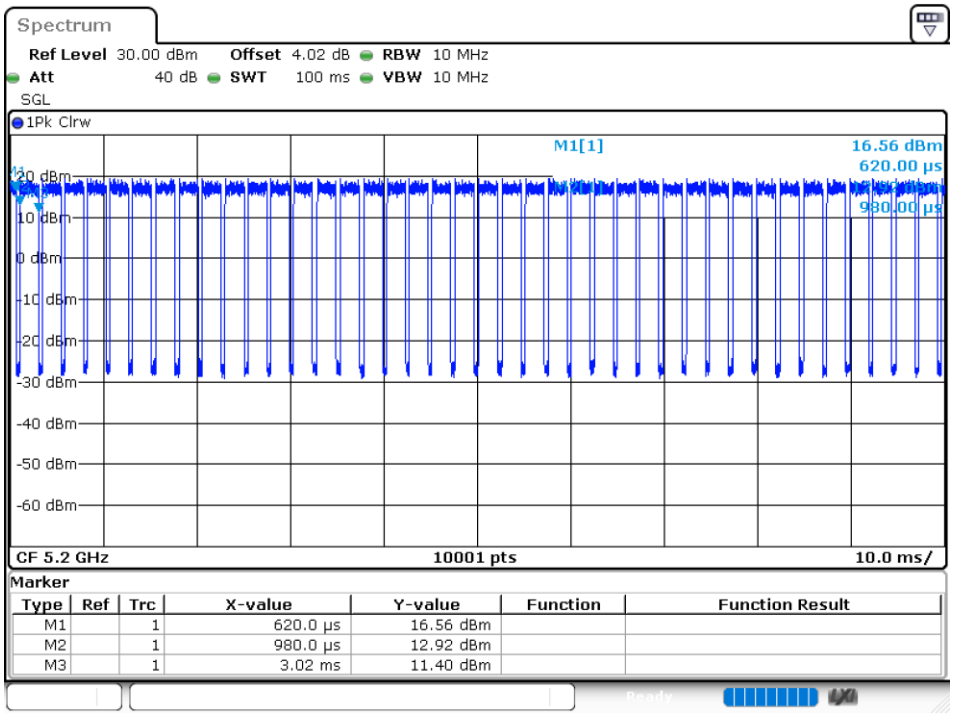
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	93.79	0.28	0.49
NVNT	a	5200	Ant1	82.61	0.83	0.49
NVNT	a	5240	Ant1	92.92	0.32	0.49
NVNT	n20	5180	Ant1	93.64	0.29	0.53
NVNT	n20	5200	Ant1	82.97	0.81	0.53
NVNT	n20	5240	Ant1	92.05	0.36	0.53
NVNT	n40	5190	Ant1	87.62	0.57	1.06
NVNT	n40	5230	Ant1	88.49	0.53	1.08
NVNT	ac20	5180	Ant1	93.31	0.3	0.53
NVNT	ac20	5200	Ant1	91.96	0.36	0.53
NVNT	ac20	5240	Ant1	92.58	0.33	0.53
NVNT	ac40	5190	Ant1	88.29	0.54	1.06
NVNT	ac40	5230	Ant1	89.13	0.5	1.08
NVNT	ax20	5180	Ant1	92.48	0.34	0.68
NVNT	ax20	5200	Ant1	90.22	0.45	0.68
NVNT	ax20	5240	Ant1	90.17	0.45	0.68
NVNT	ax40	5190	Ant1	85.66	0.67	1.32
NVNT	ax40	5230	Ant1	86.84	0.61	1.32

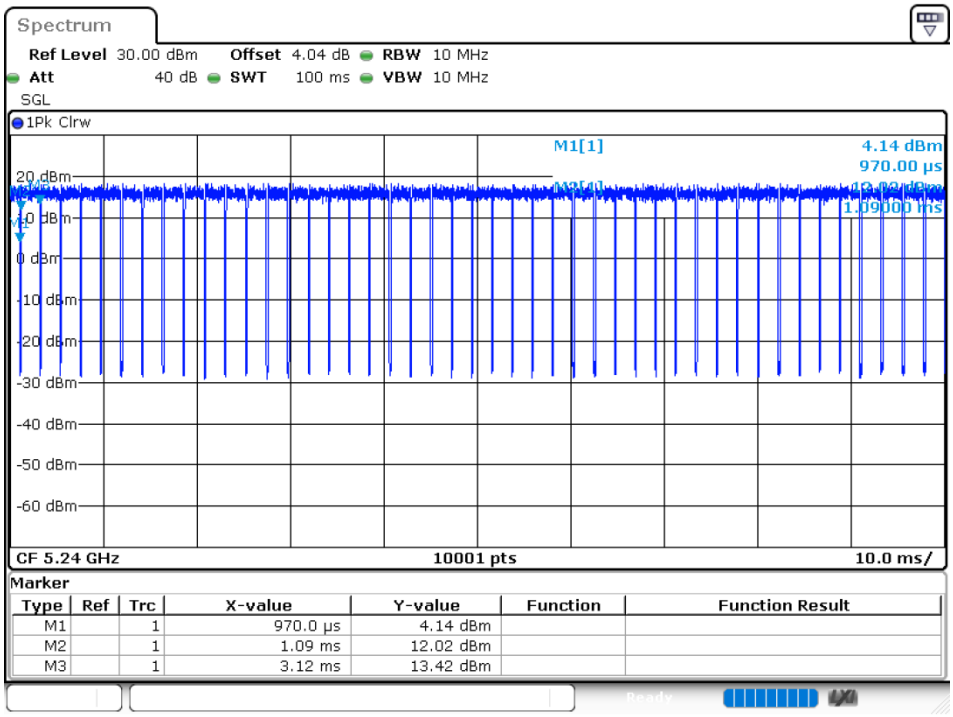
Test Graphs
Duty Cycle NVNT a 5180MHz Ant1



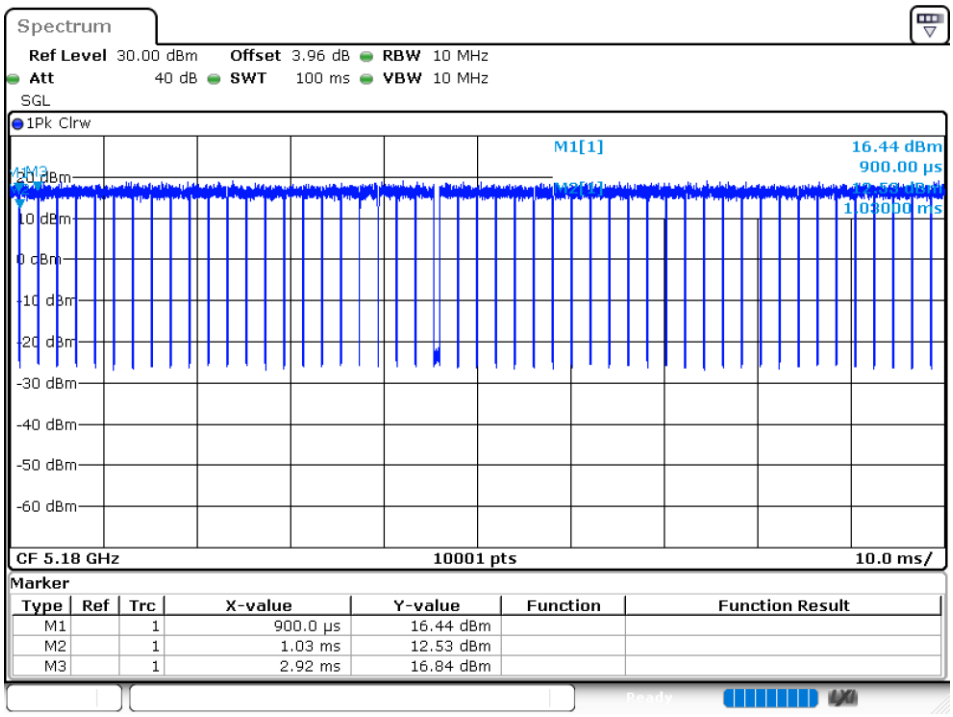
Duty Cycle NVNT a 5200MHz Ant1



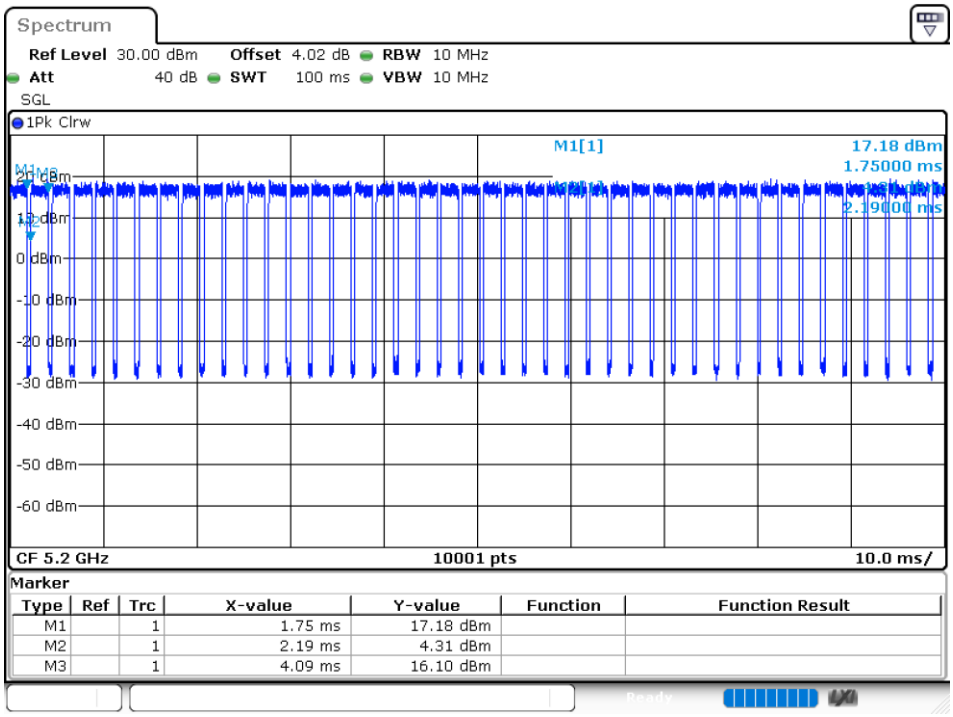
Duty Cycle NVNT a 5240MHz Ant1



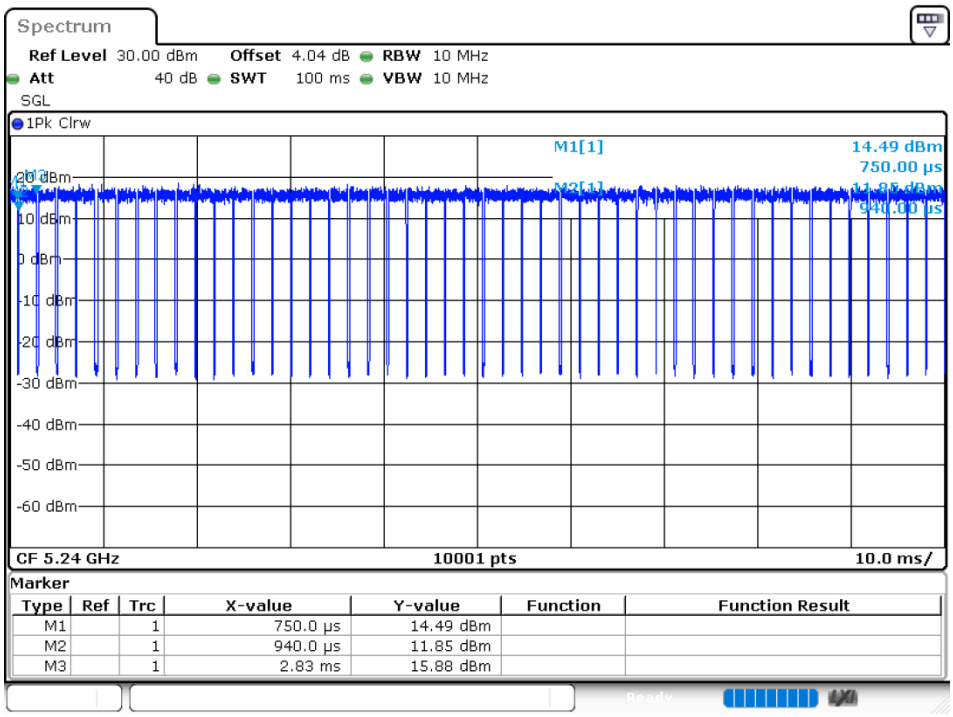
Duty Cycle NVNT n20 5180MHz Ant1



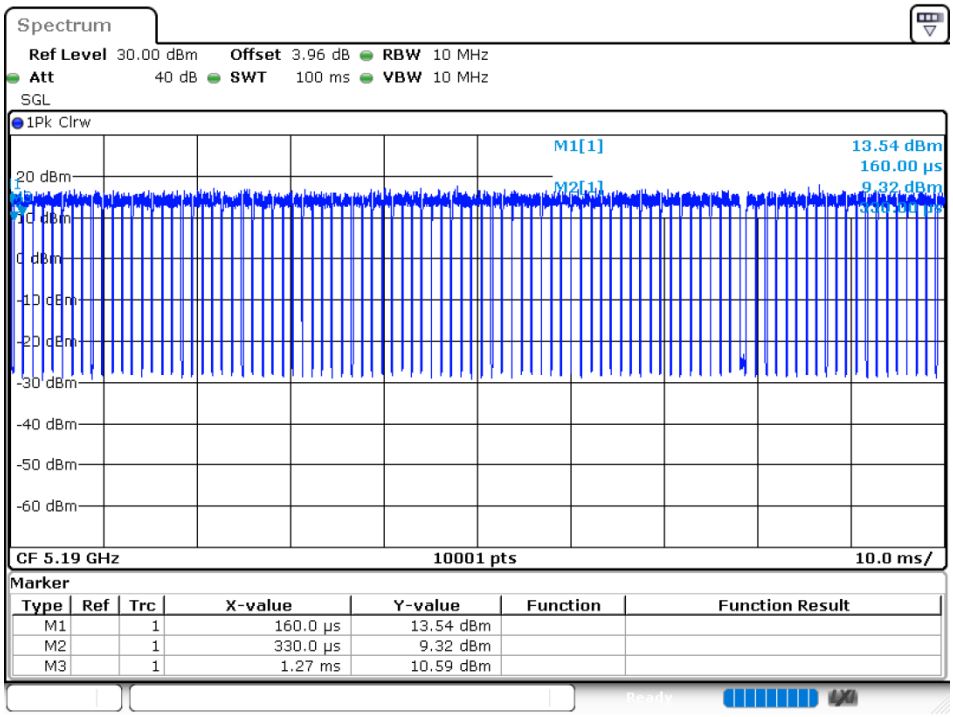
Duty Cycle NVNT n20 5200MHz Ant1



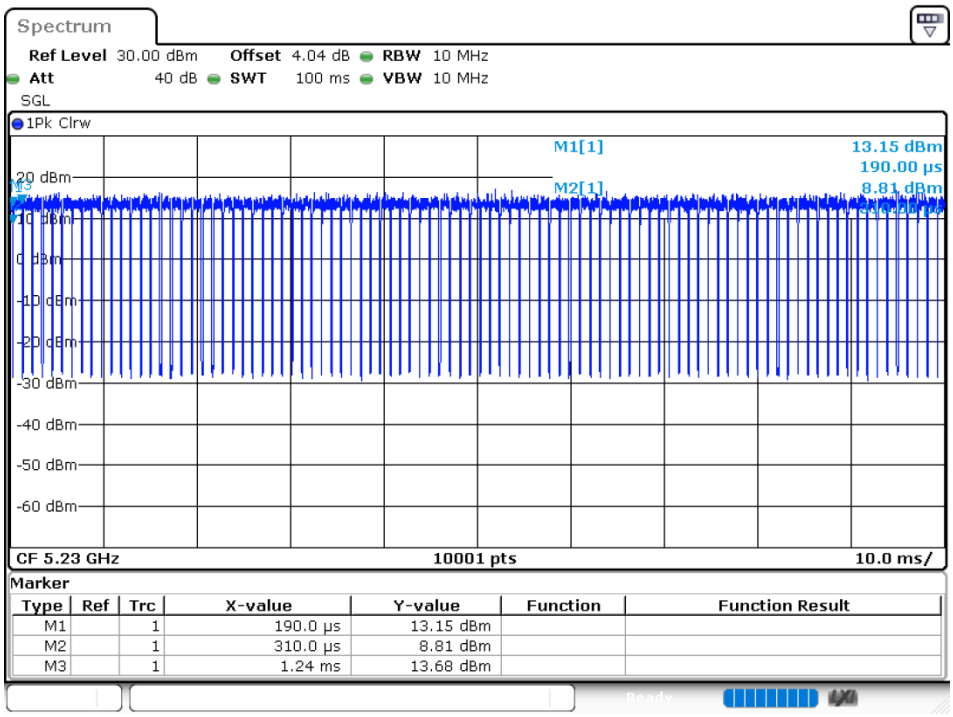
Duty Cycle NVNT n20 5240MHz Ant1



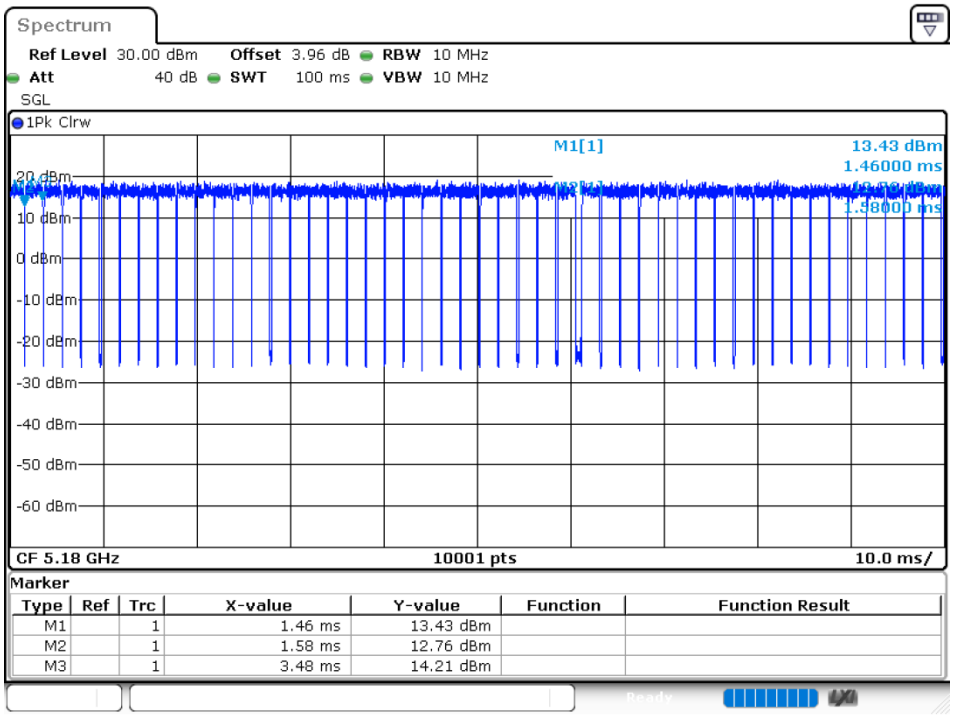
Duty Cycle NVNT n40 5190MHz Ant1



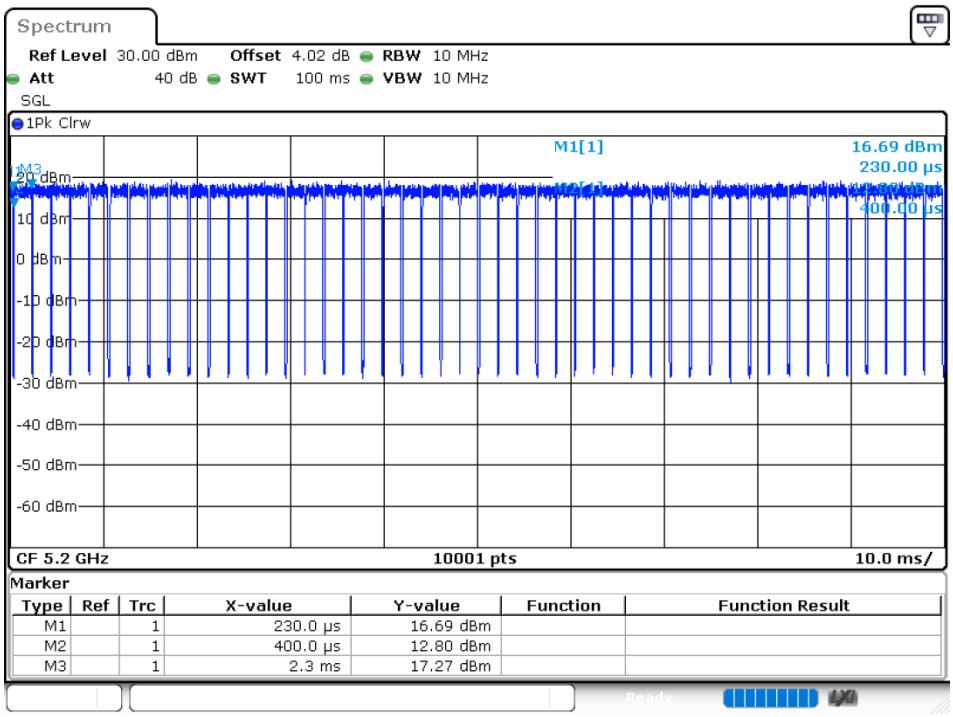
Duty Cycle NVNT n40 5230MHz Ant1



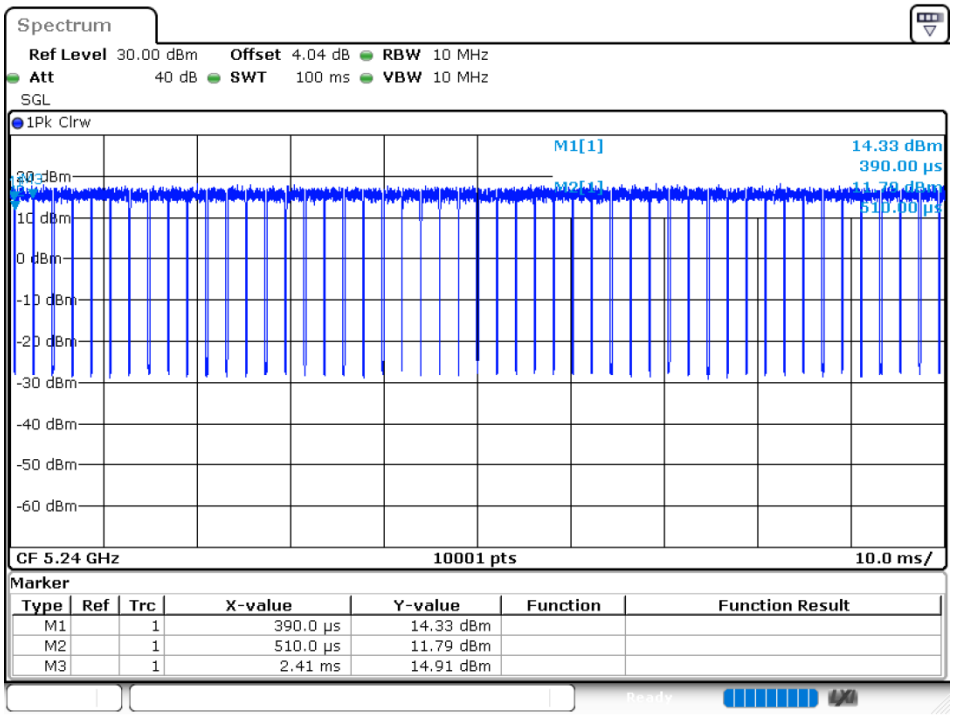
Duty Cycle NVNT ac20 5180MHz Ant1



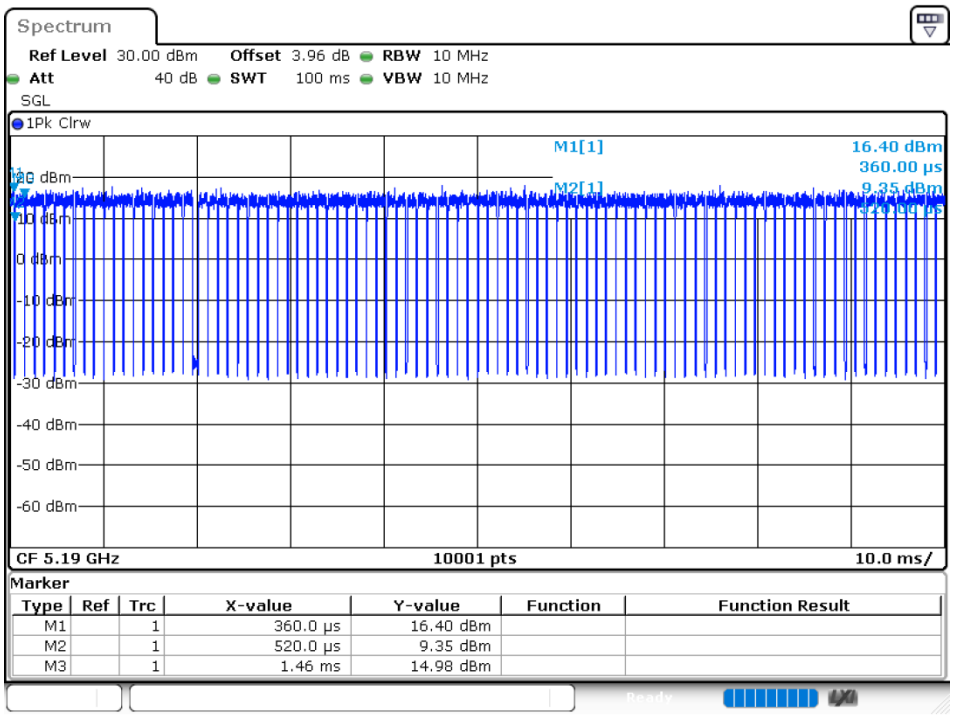
Duty Cycle NVNT ac20 5200MHz Ant1



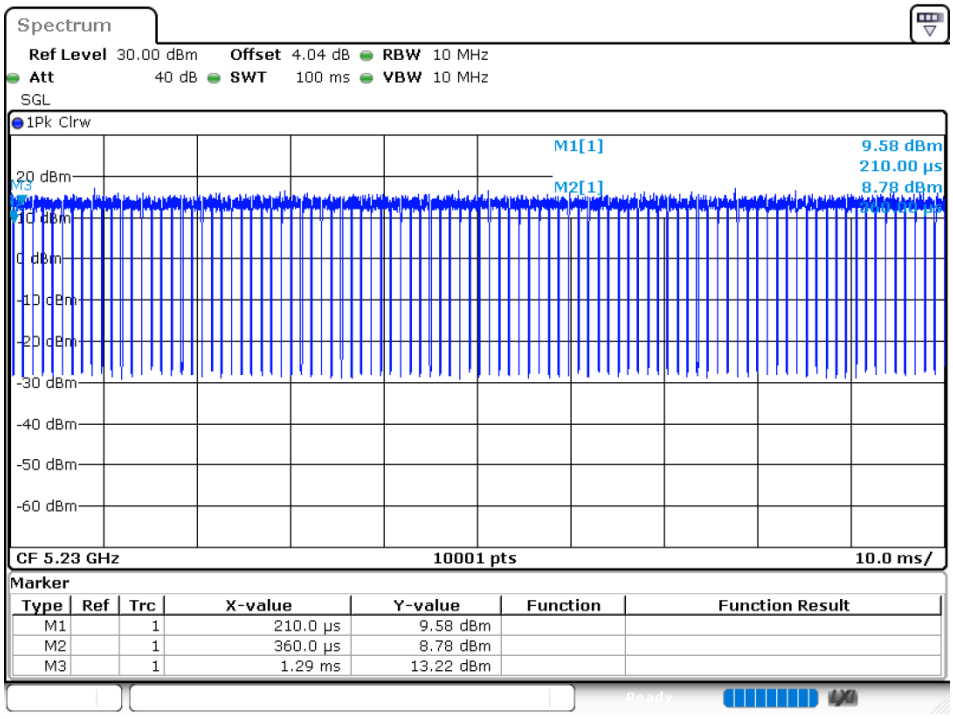
Duty Cycle NVNT ac20 5240MHz Ant1



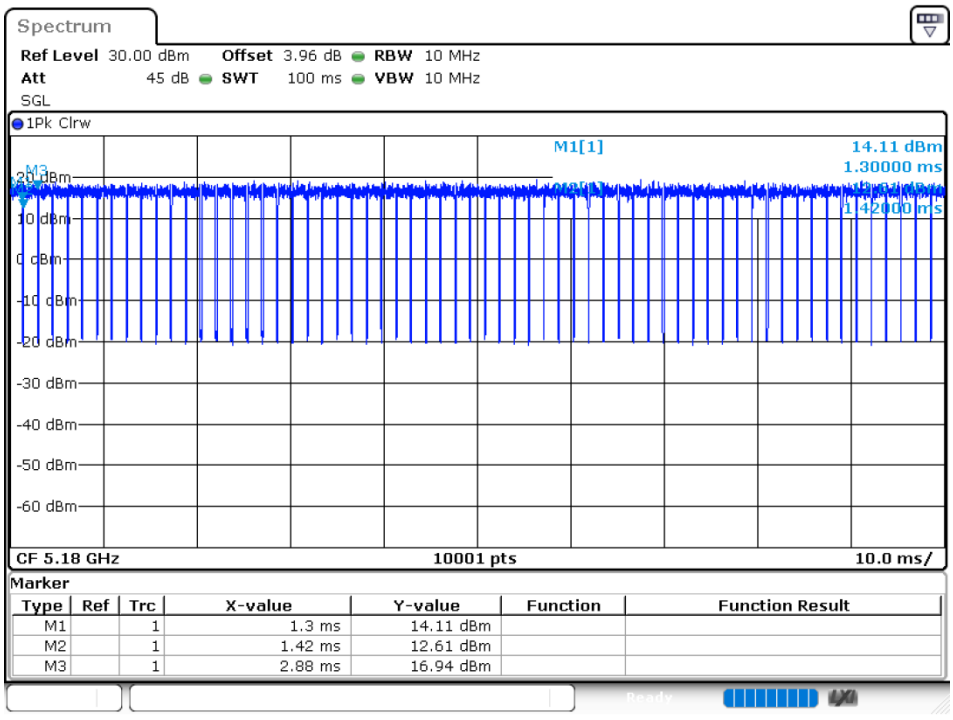
Duty Cycle NVNT ac40 5190MHz Ant1



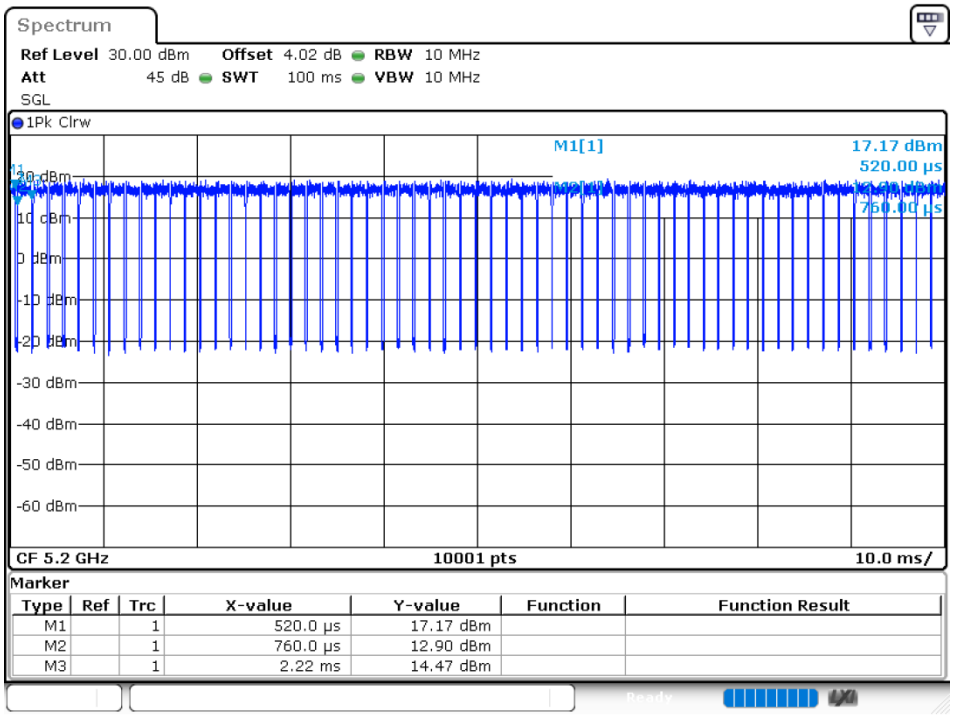
Duty Cycle NVNT ac40 5230MHz Ant1



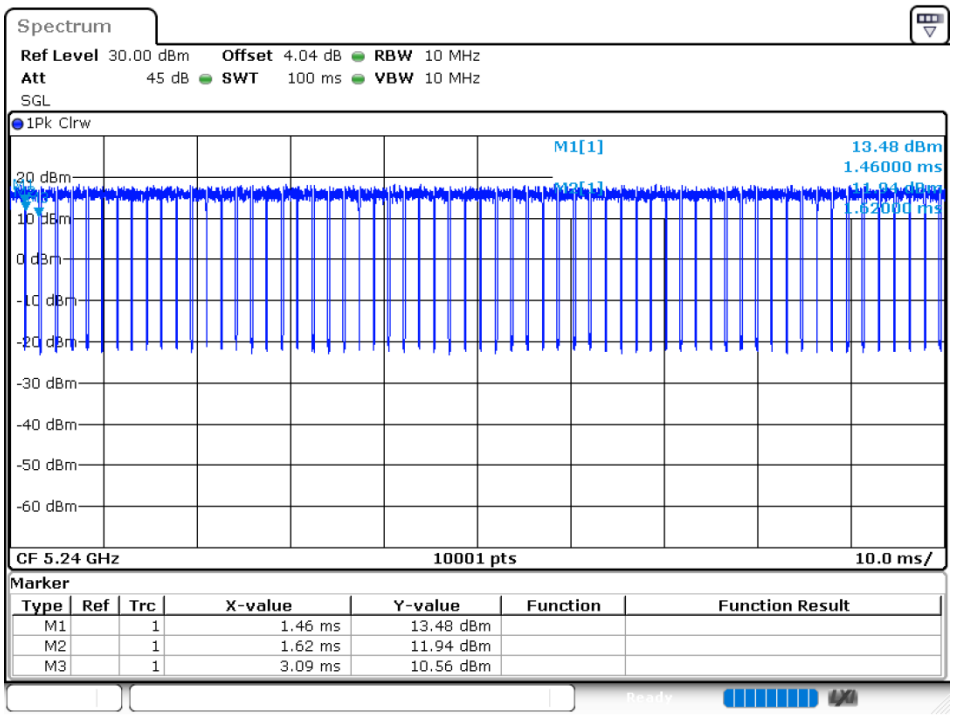
Duty Cycle NVNT ax20 5180MHz Ant1



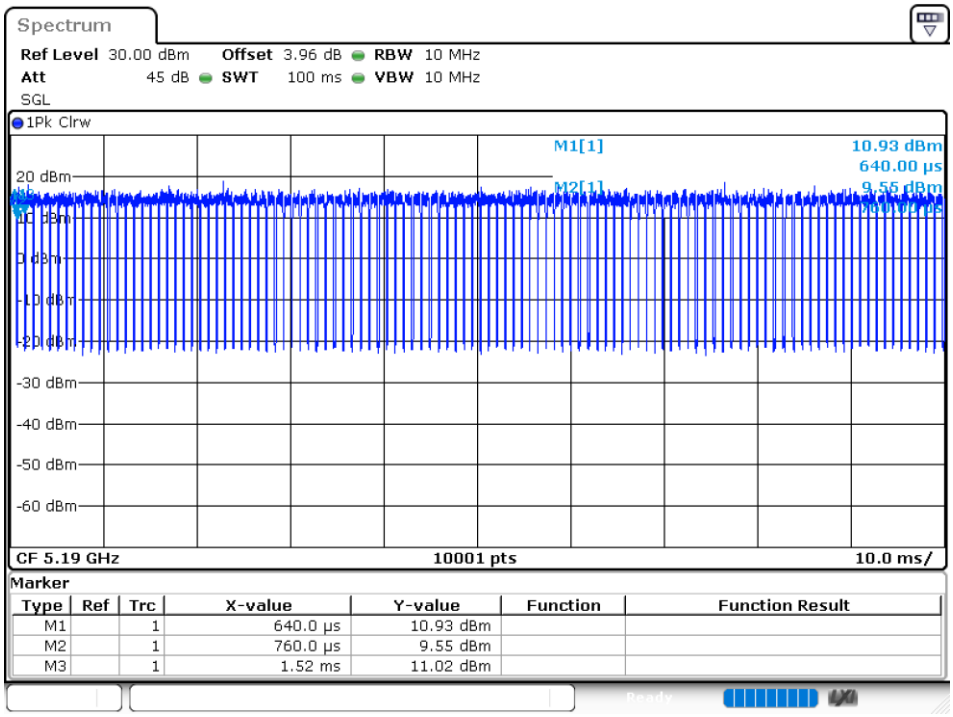
Duty Cycle NVNT ax20 5200MHz Ant1



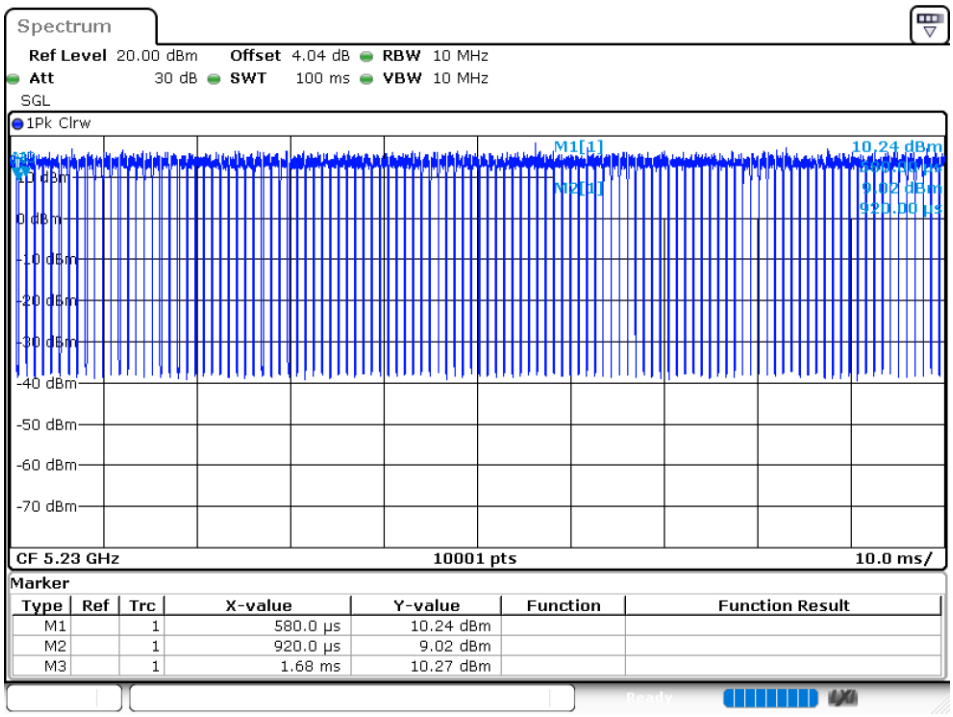
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Maximum Conducted Output Power

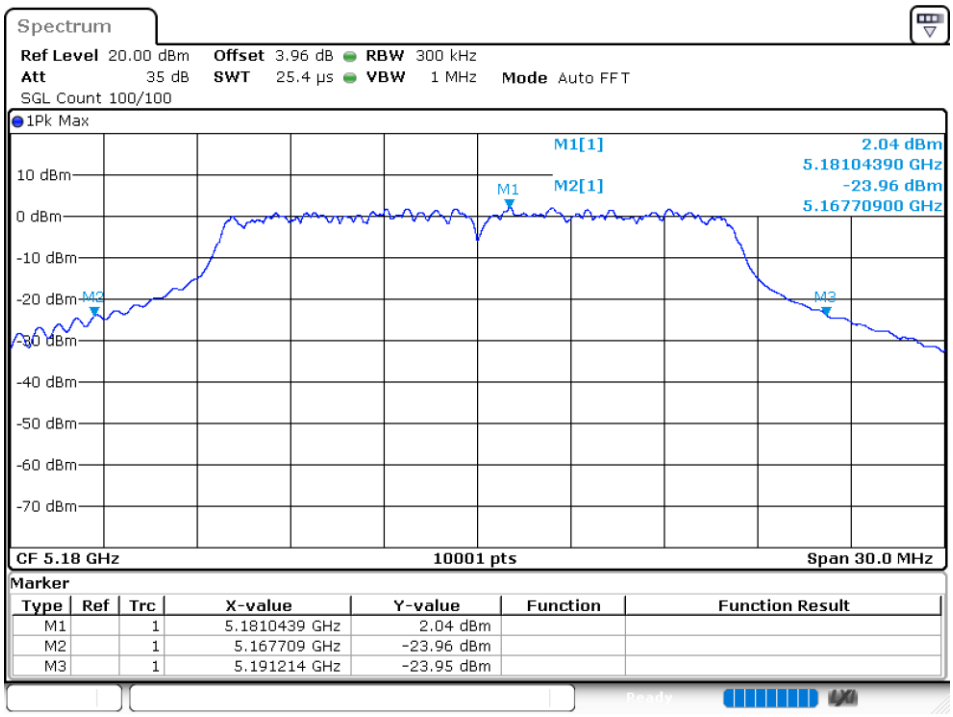
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.57	24	Pass
NVNT	a	5200	Ant1	11.68	24	Pass
NVNT	a	5240	Ant1	11.89	24	Pass
NVNT	n20	5180	Ant1	11.32	24	Pass
NVNT	n20	5200	Ant1	11.57	24	Pass
NVNT	n20	5240	Ant1	11.82	24	Pass
NVNT	n40	5190	Ant1	11.28	24	Pass
NVNT	n40	5230	Ant1	12	24	Pass
NVNT	ac20	5180	Ant1	11.14	24	Pass
NVNT	ac20	5200	Ant1	11.56	24	Pass
NVNT	ac20	5240	Ant1	11.76	24	Pass
NVNT	ac40	5190	Ant1	11.51	24	Pass
NVNT	ac40	5230	Ant1	11.72	24	Pass
NVNT	ax20	5180	Ant1	11.26	24	Pass
NVNT	ax20	5200	Ant1	11.46	24	Pass
NVNT	ax20	5240	Ant1	11.96	24	Pass
NVNT	ax40	5190	Ant1	11.58	24	Pass
NVNT	ax40	5230	Ant1	11.85	24	Pass

-26dB Bandwidth

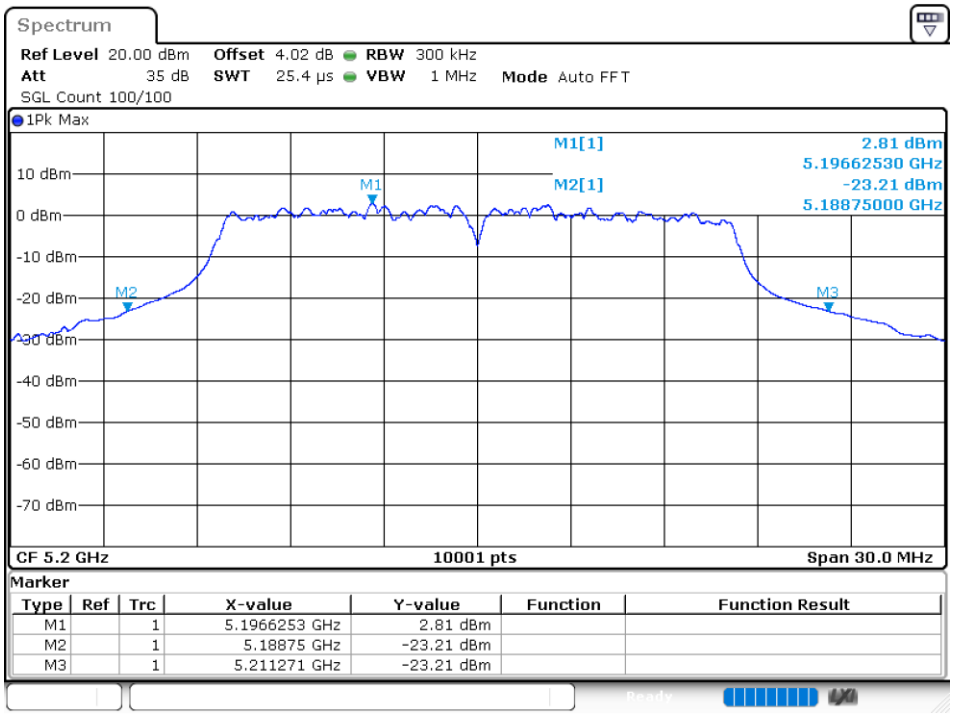
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.505	Pass
NVNT	a	5200	Ant1	22.521	Pass
NVNT	a	5240	Ant1	24.96	Pass
NVNT	n20	5180	Ant1	23.835	Pass
NVNT	n20	5200	Ant1	25.164	Pass
NVNT	n20	5240	Ant1	26.022	Pass
NVNT	n40	5190	Ant1	46.554	Pass
NVNT	n40	5230	Ant1	46.734	Pass
NVNT	ac20	5180	Ant1	25.722	Pass
NVNT	ac20	5200	Ant1	25.176	Pass
NVNT	ac20	5240	Ant1	25.626	Pass
NVNT	ac40	5190	Ant1	50.004	Pass
NVNT	ac40	5230	Ant1	53.328	Pass
NVNT	ax20	5180	Ant1	22.971	Pass
NVNT	ax20	5200	Ant1	23.193	Pass
NVNT	ax20	5240	Ant1	26.46	Pass
NVNT	ax40	5190	Ant1	46.014	Pass
NVNT	ax40	5230	Ant1	45.492	Pass

Test Graphs

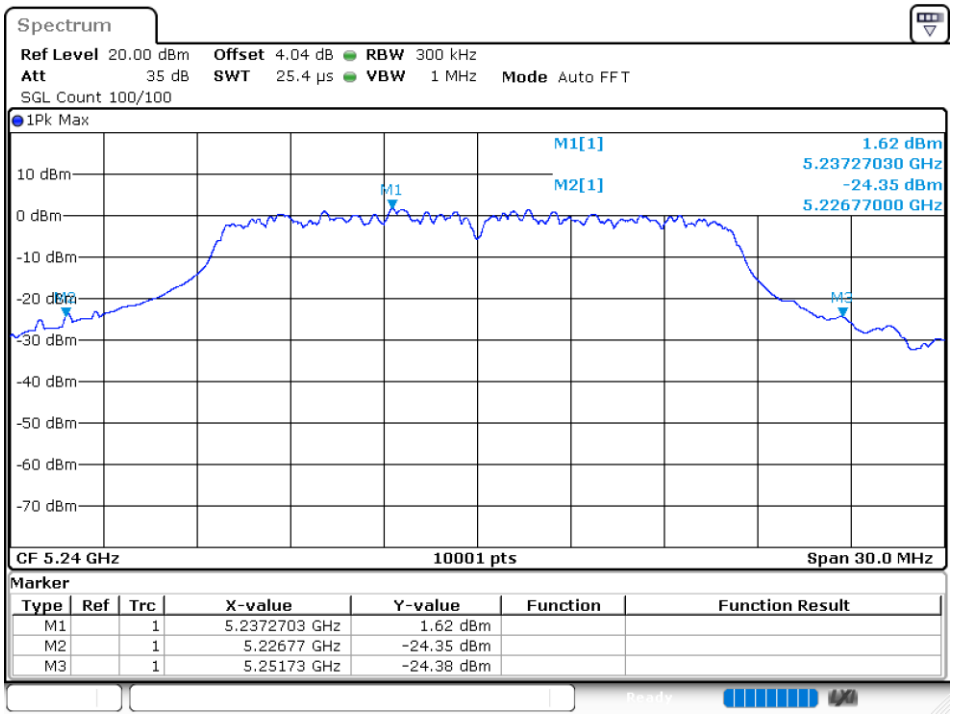
-26dB Bandwidth NVNT a 5180MHz Ant1



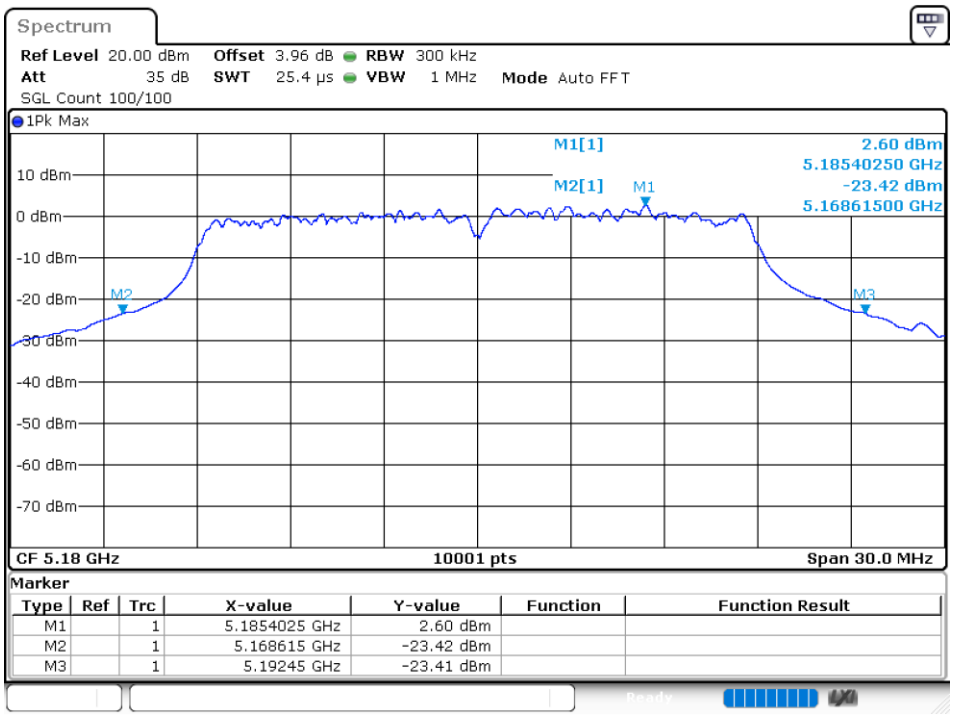
-26dB Bandwidth NVNT a 5200MHz Ant1



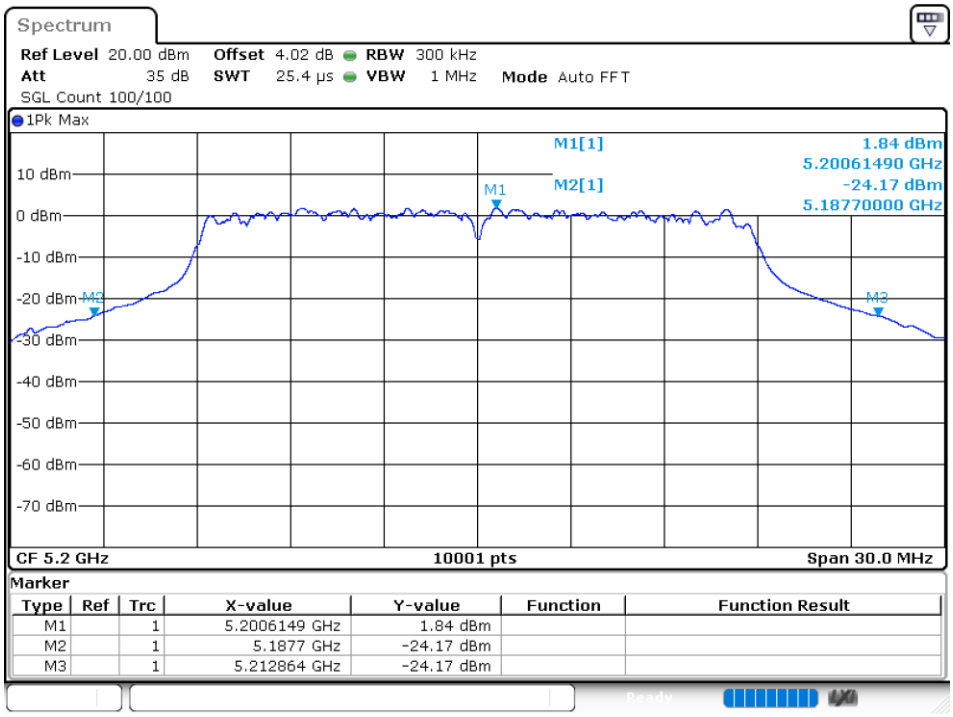
-26dB Bandwidth NVNT a 5240MHz Ant1



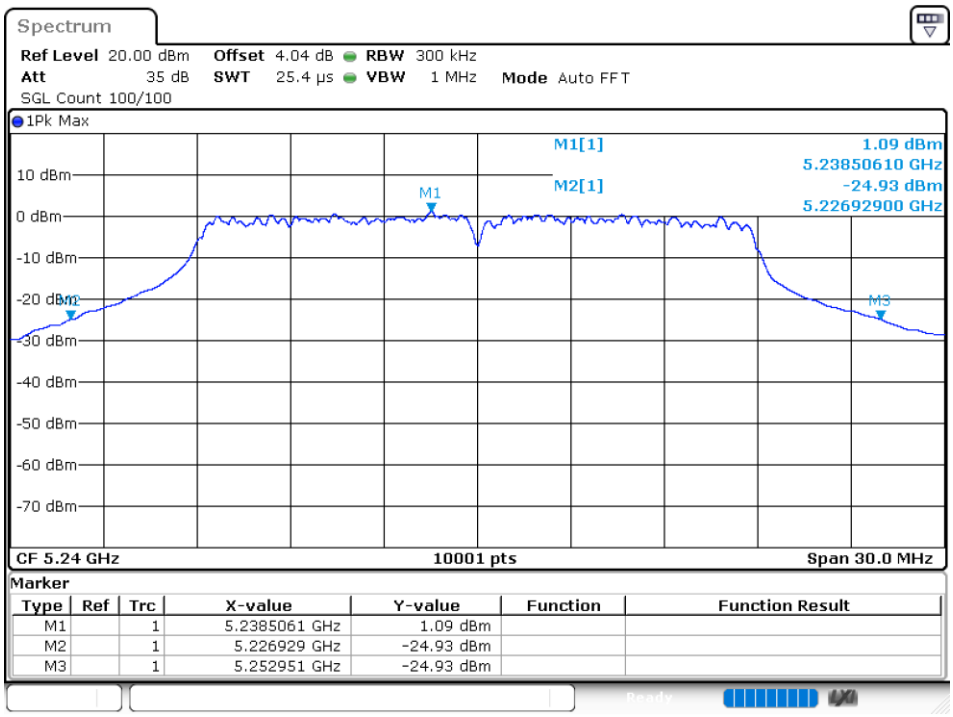
-26dB Bandwidth NVNT n20 5180MHz Ant1



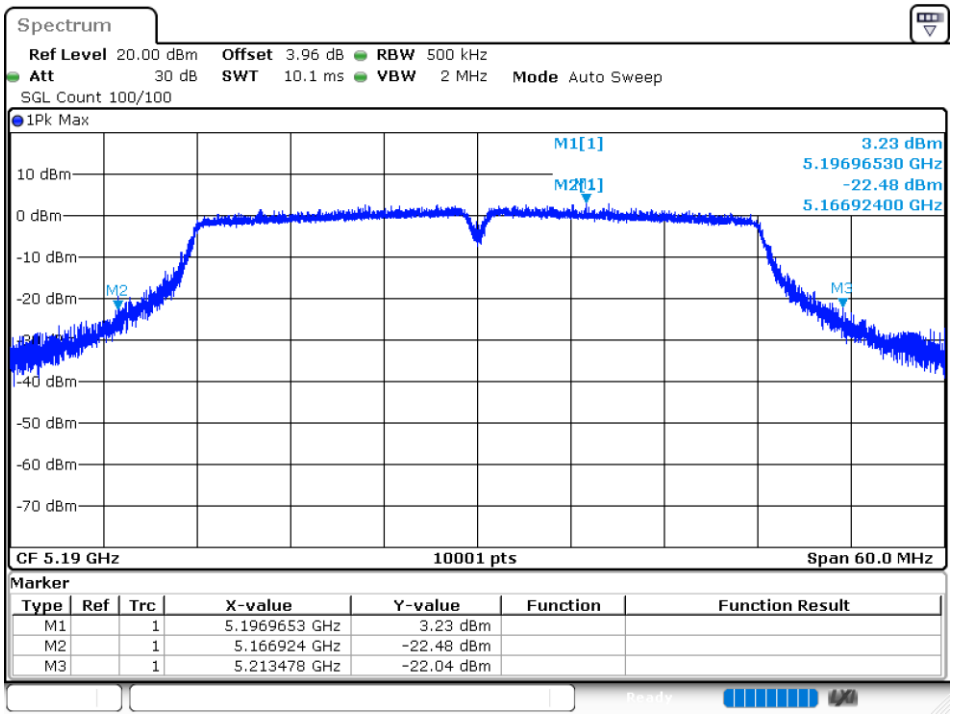
-26dB Bandwidth NVNT n20 5200MHz Ant1



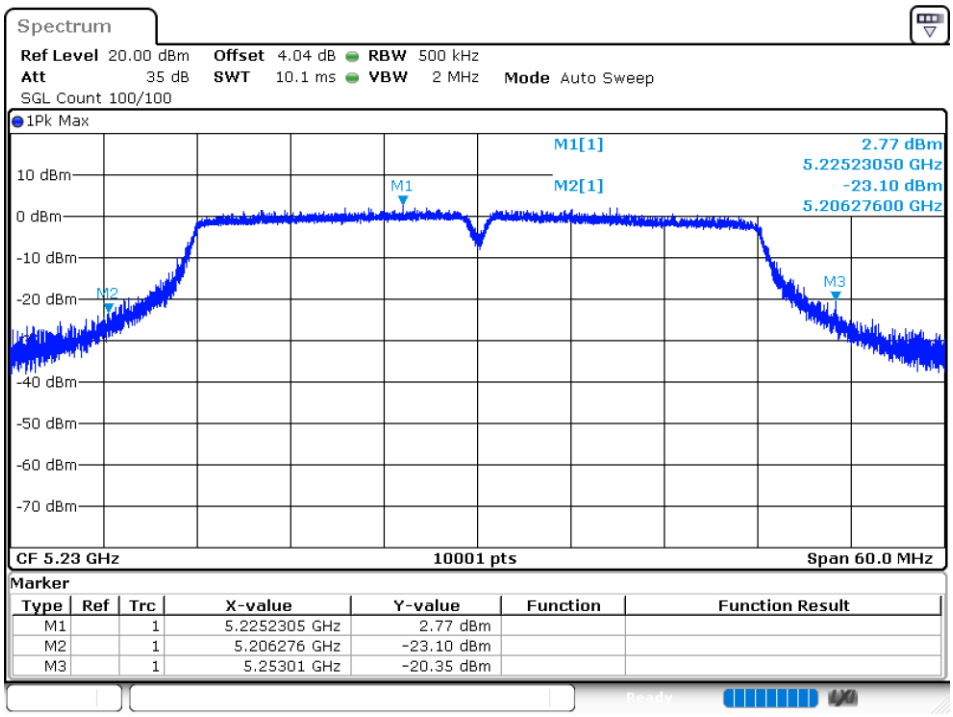
-26dB Bandwidth NVNT n20 5240MHz Ant1



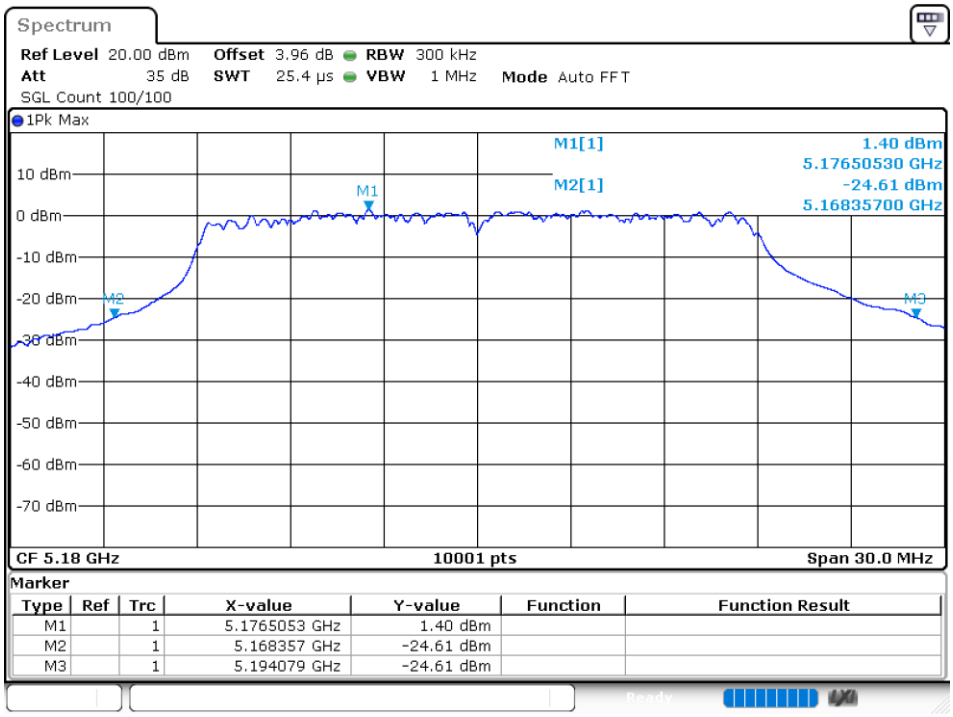
-26dB Bandwidth NVNT n40 5190MHz Ant1



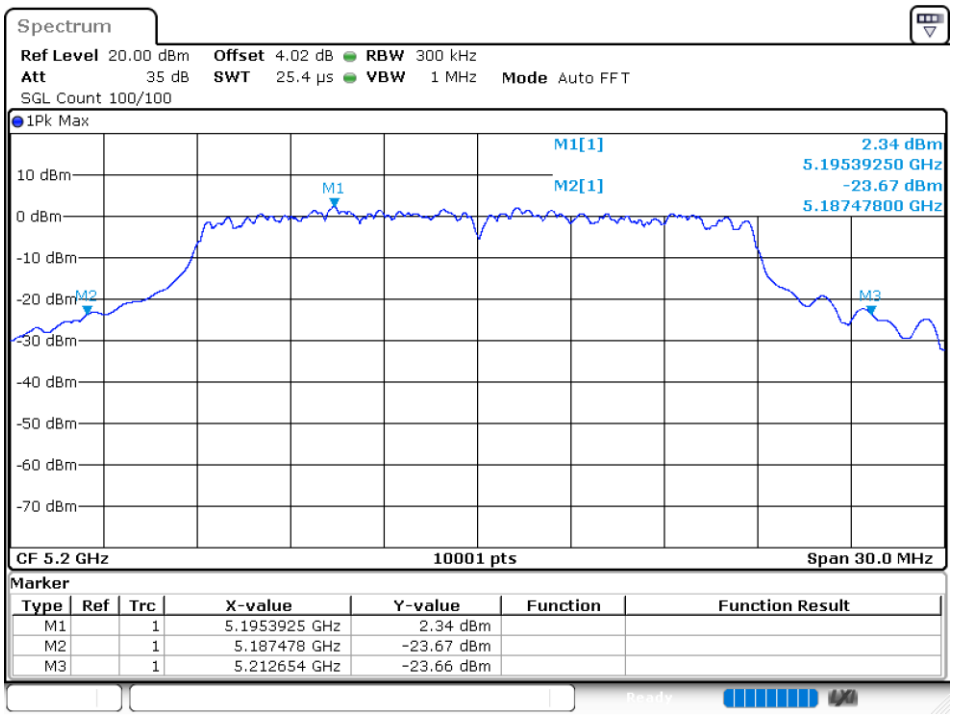
-26dB Bandwidth NVNT n40 5230MHz Ant1



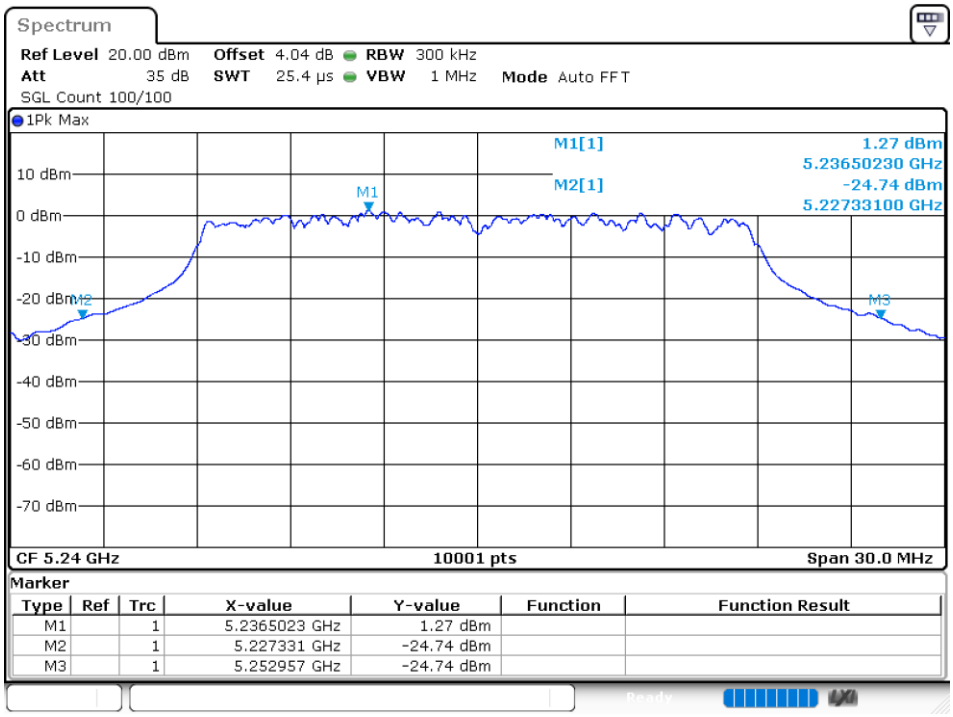
-26dB Bandwidth NVNT ac20 5180MHz Ant1



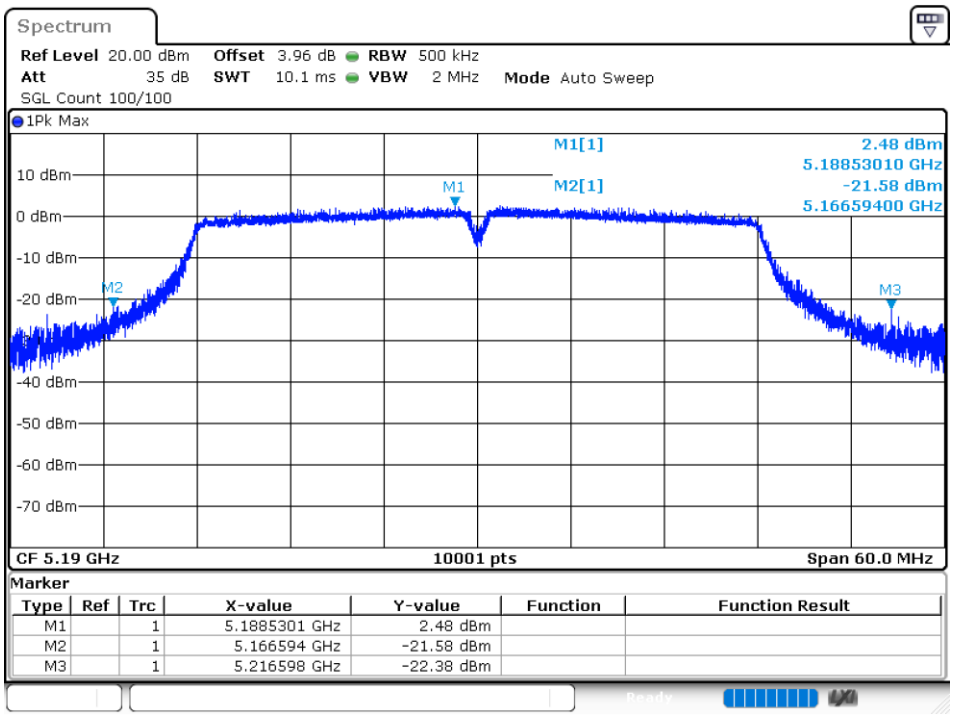
-26dB Bandwidth NVNT ac20 5200MHz Ant1



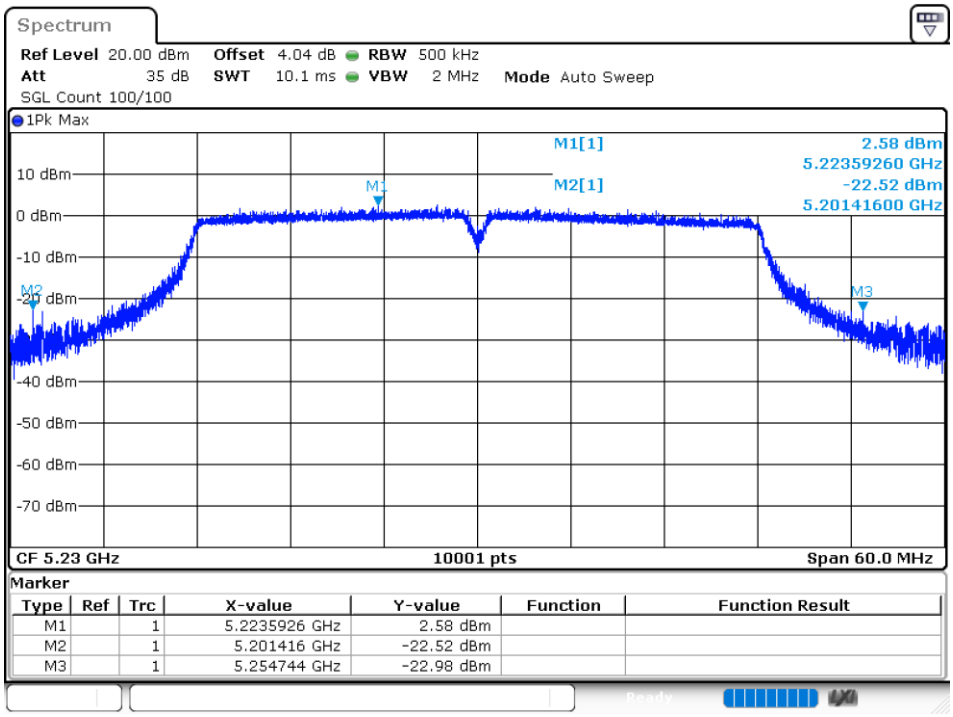
-26dB Bandwidth NVNT ac20 5240MHz Ant1



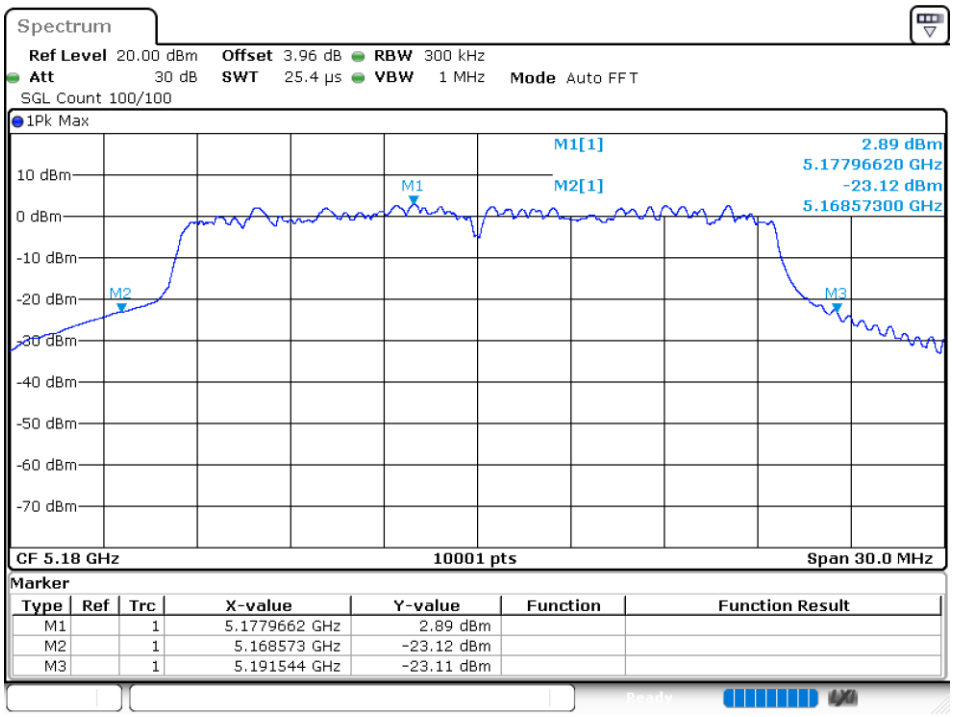
-26dB Bandwidth NVNT ac40 5190MHz Ant1



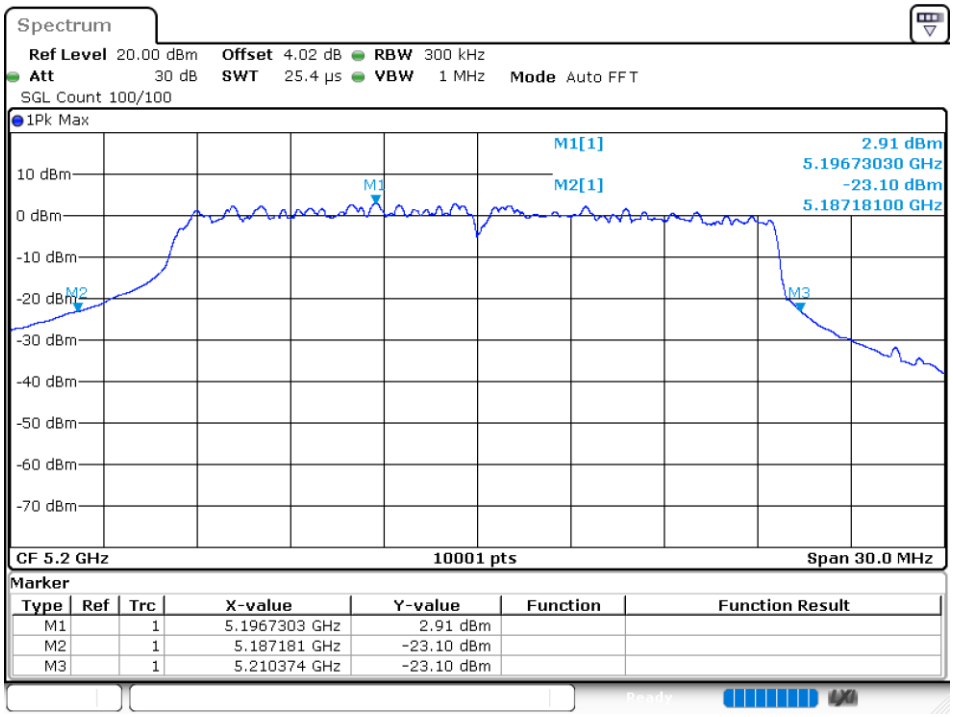
-26dB Bandwidth NVNT ac40 5230MHz Ant1



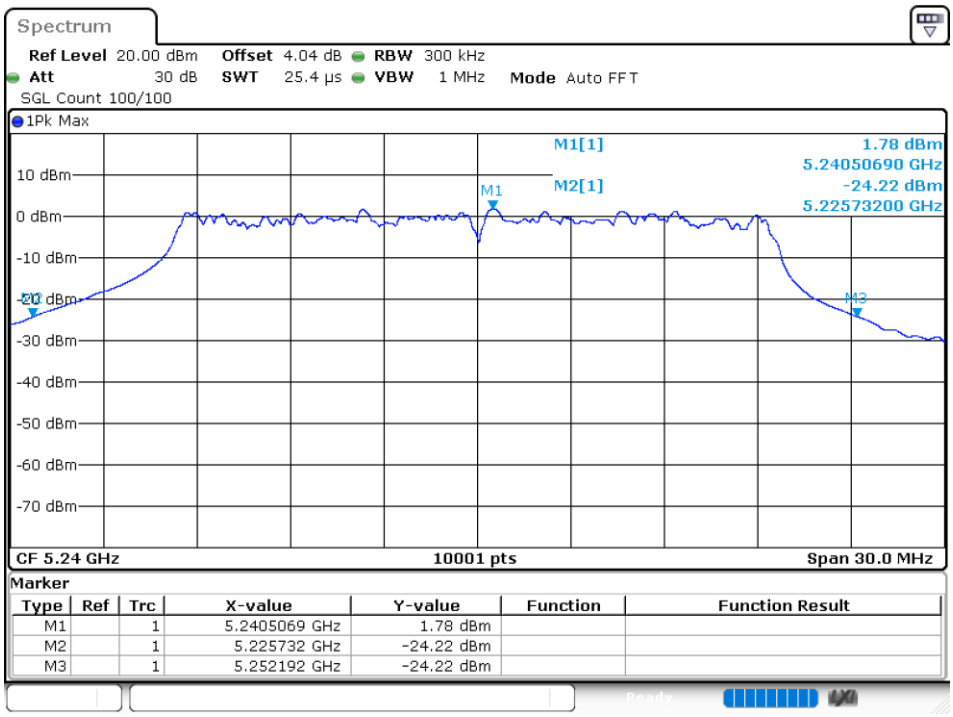
-26dB Bandwidth NVNT ax20 5180MHz Ant1



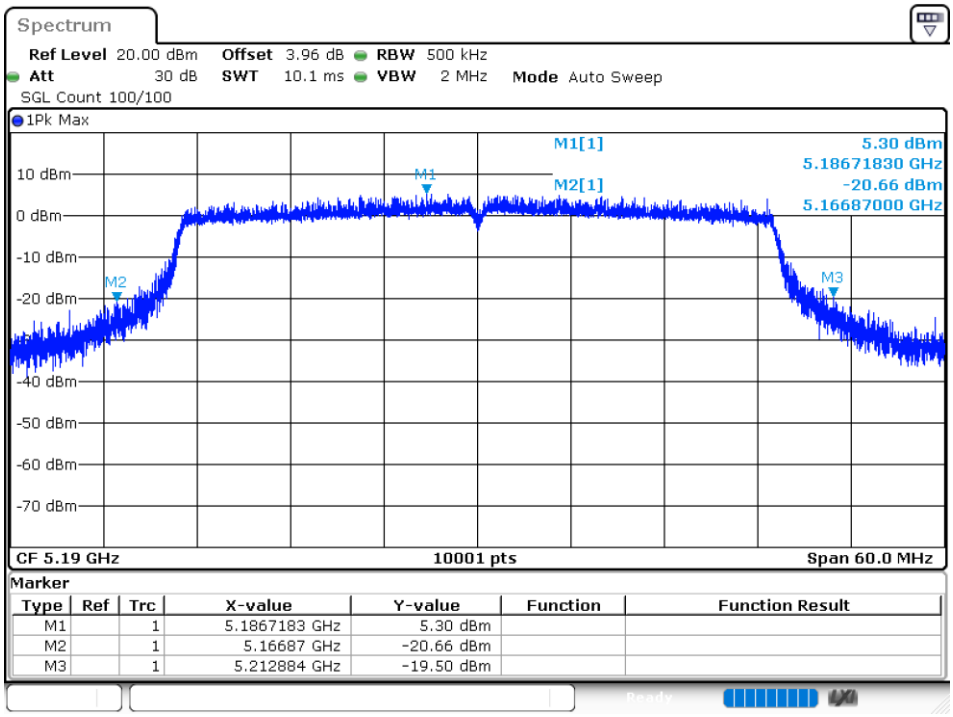
-26dB Bandwidth NVNT ax20 5200MHz Ant1



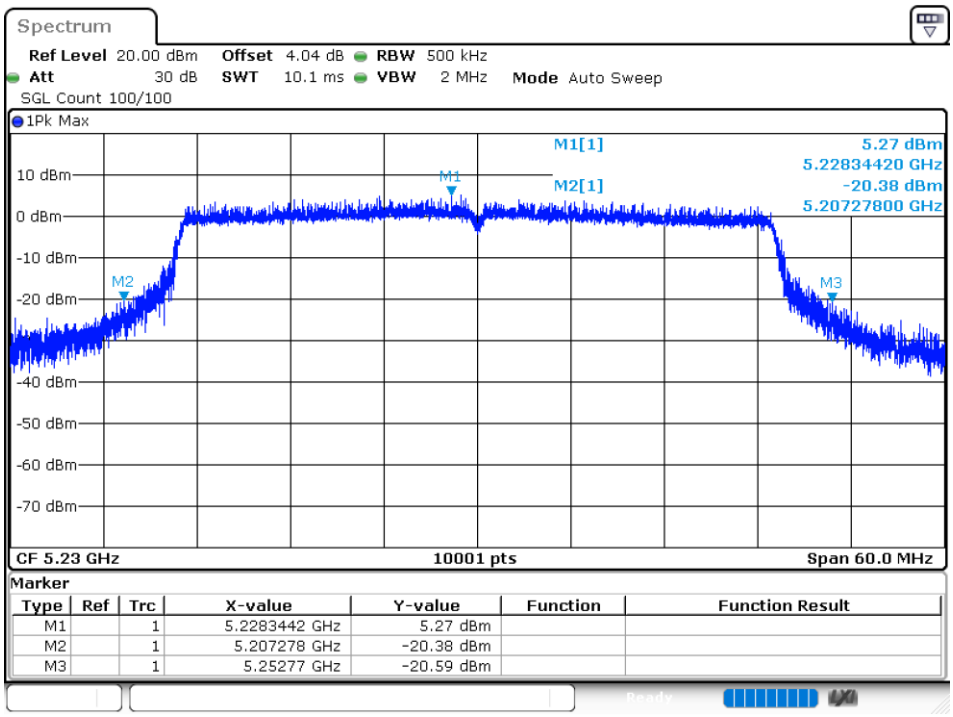
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



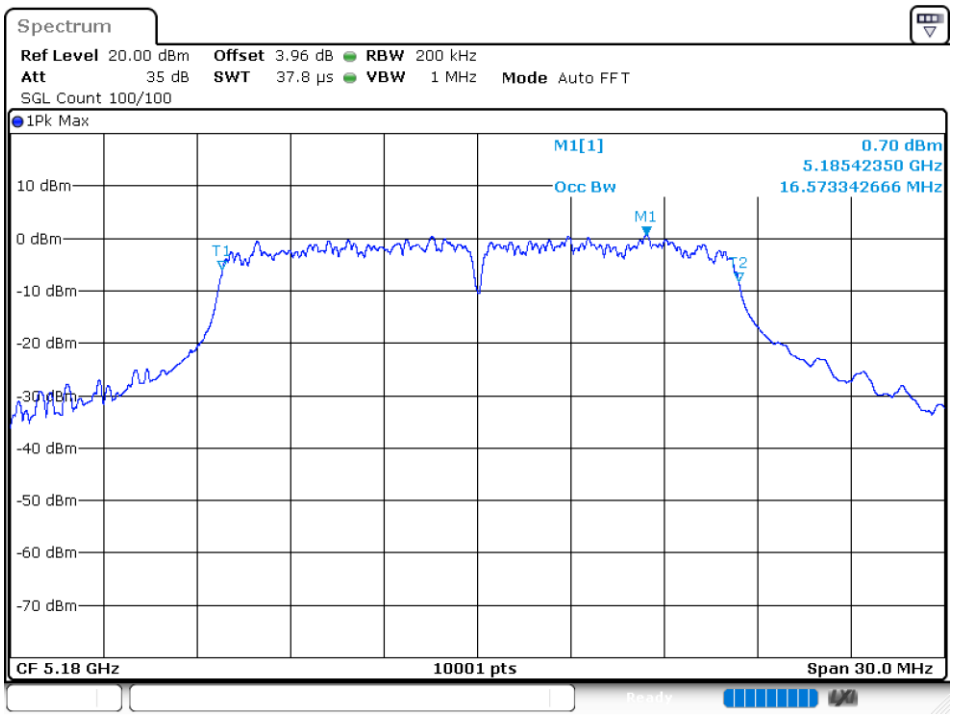
-26dB Bandwidth NVNT ax40 5230MHz Ant1



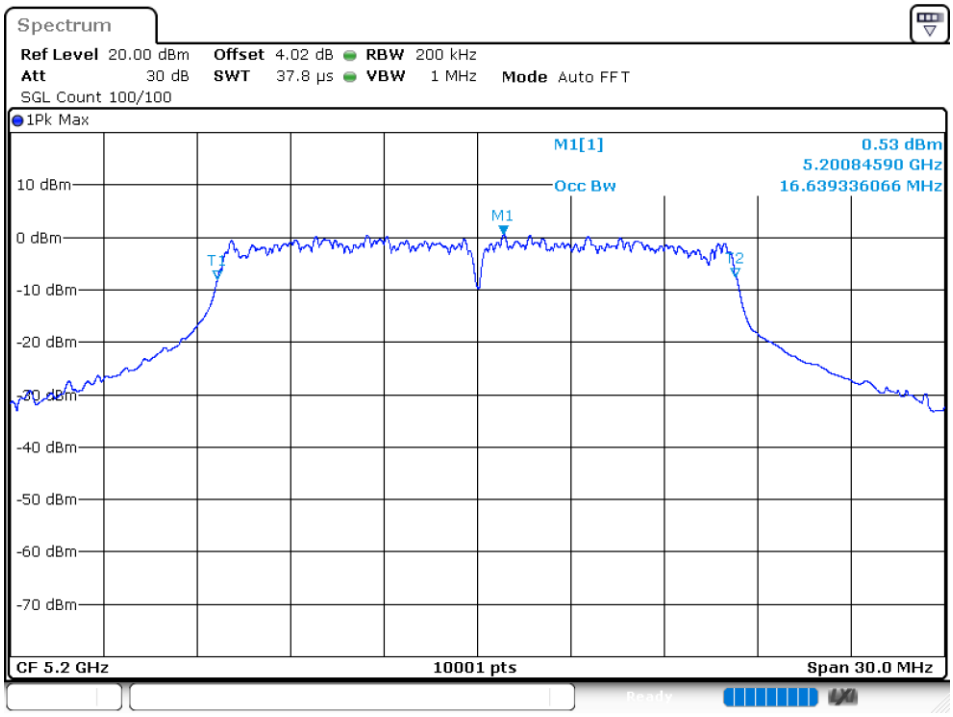
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.573
NVNT	a	5200	Ant1	16.639
NVNT	a	5240	Ant1	16.675
NVNT	n20	5180	Ant1	17.719
NVNT	n20	5200	Ant1	17.71
NVNT	n20	5240	Ant1	17.746
NVNT	n40	5190	Ant1	36.482
NVNT	n40	5230	Ant1	36.536
NVNT	ac20	5180	Ant1	17.893
NVNT	ac20	5200	Ant1	17.767
NVNT	ac20	5240	Ant1	17.947
NVNT	ac40	5190	Ant1	36.494
NVNT	ac40	5230	Ant1	36.59
NVNT	ax20	5180	Ant1	18.958
NVNT	ax20	5200	Ant1	18.988
NVNT	ax20	5240	Ant1	18.973
NVNT	ax40	5190	Ant1	37.892
NVNT	ax40	5230	Ant1	37.91

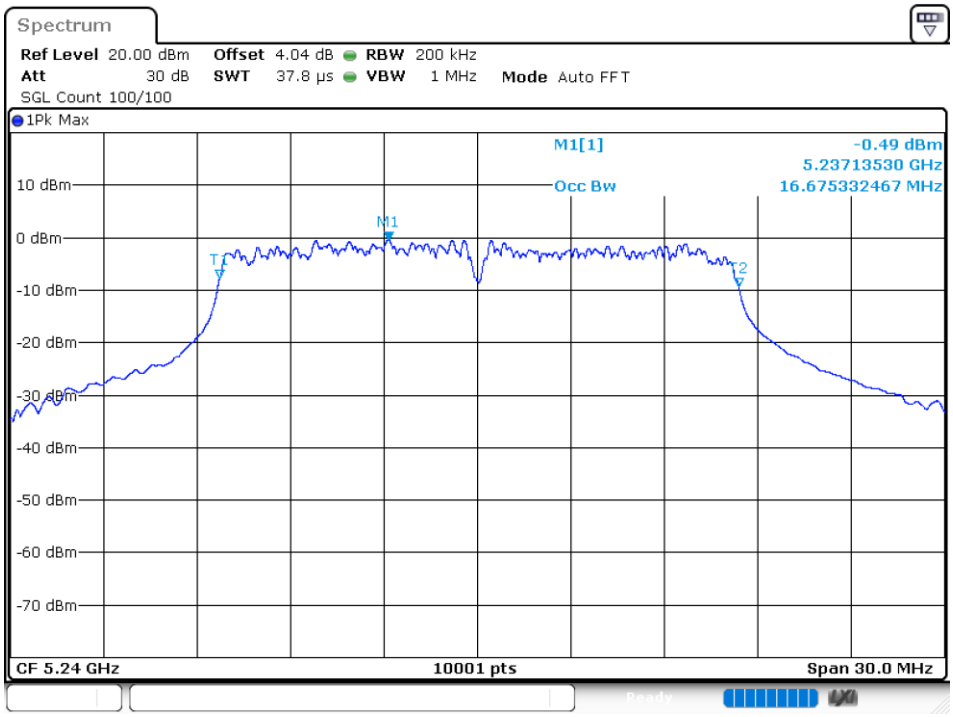
Test Graphs
OBW NVNT a 5180MHz Ant1



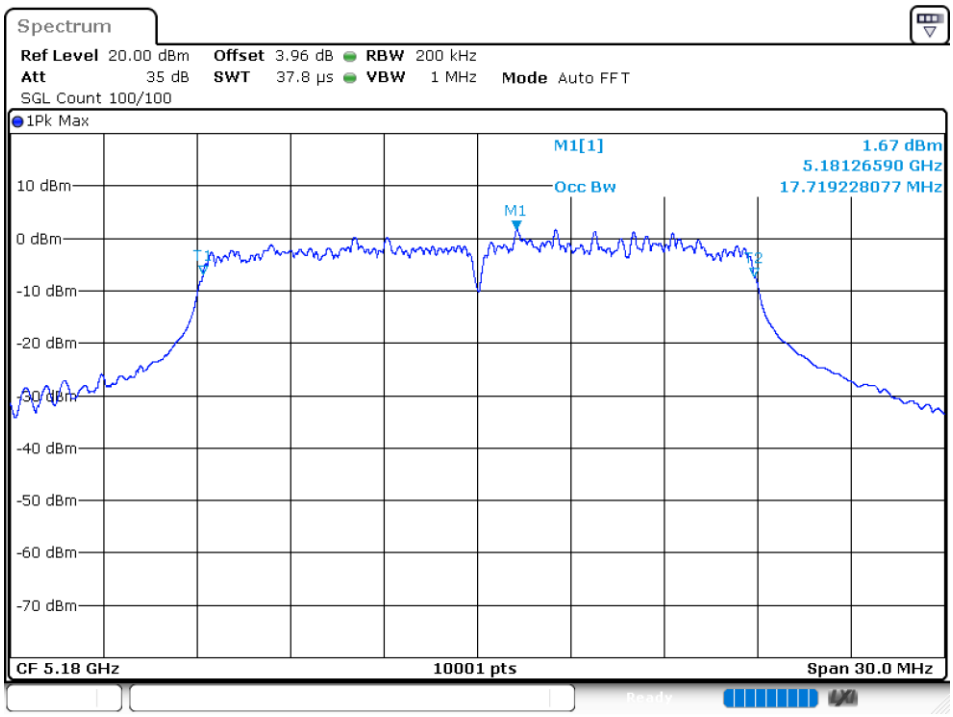
OBW NVNT a 5200MHz Ant1



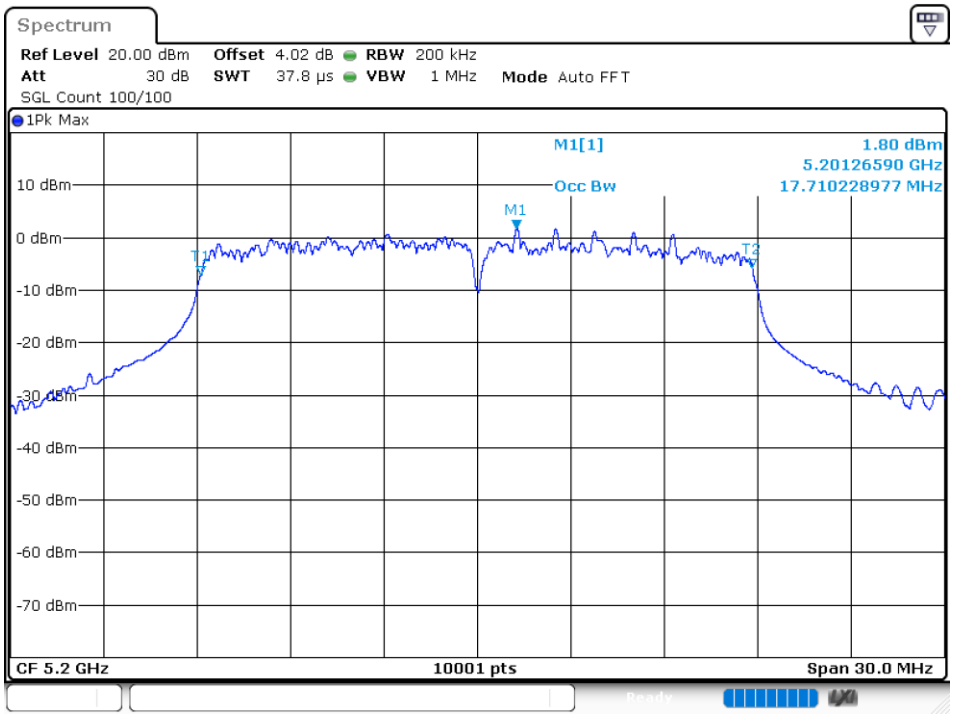
OBW NVNT a 5240MHz Ant1



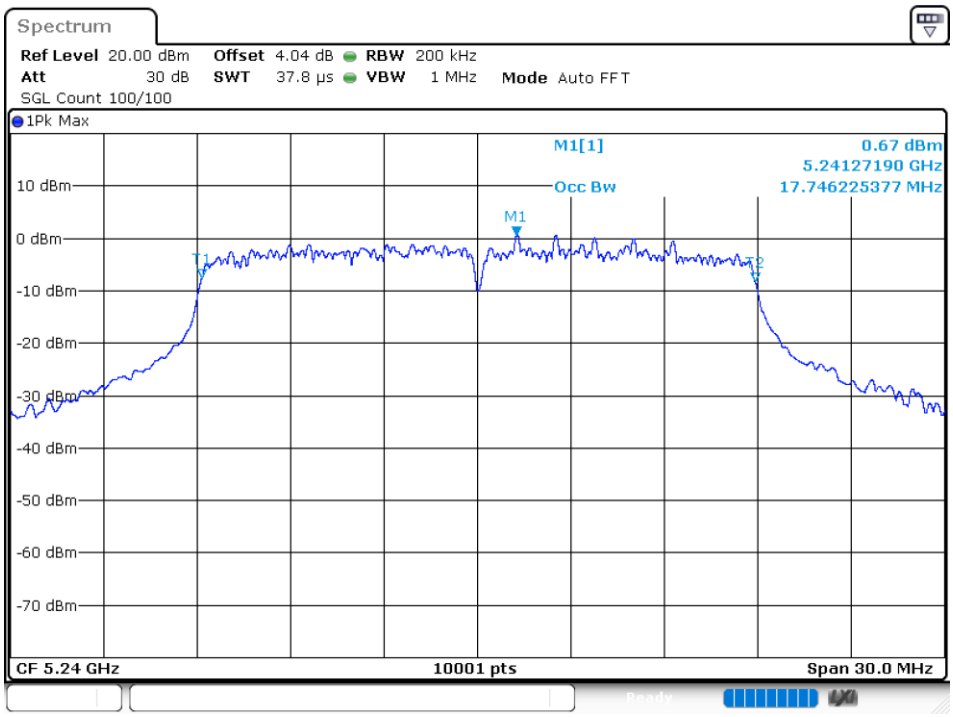
OBW NVNT n20 5180MHz Ant1



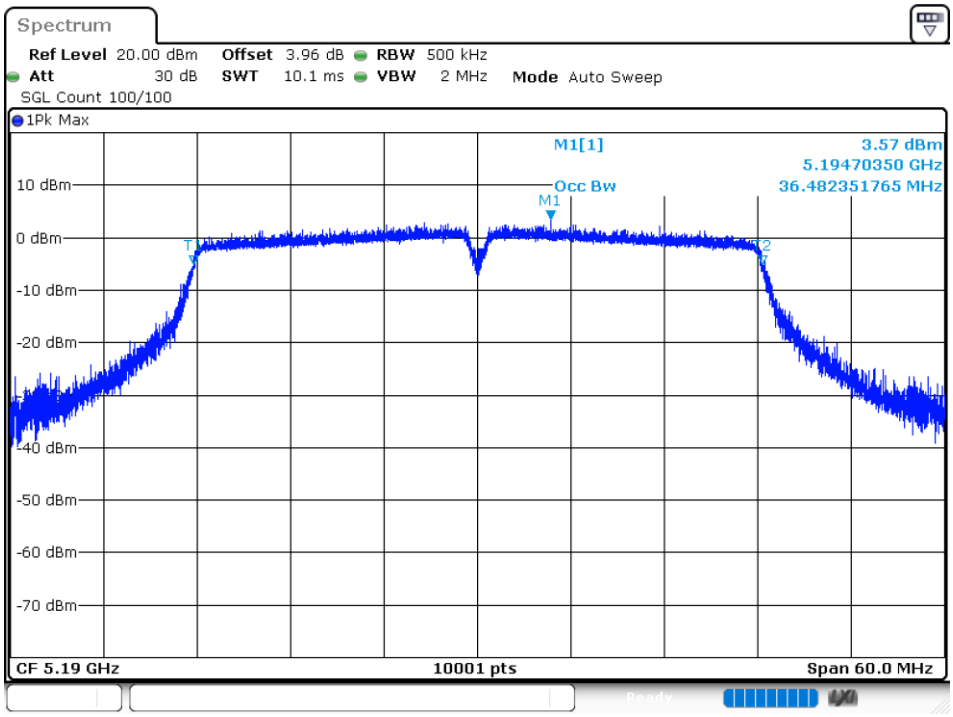
OBW NVNT n20 5200MHz Ant1



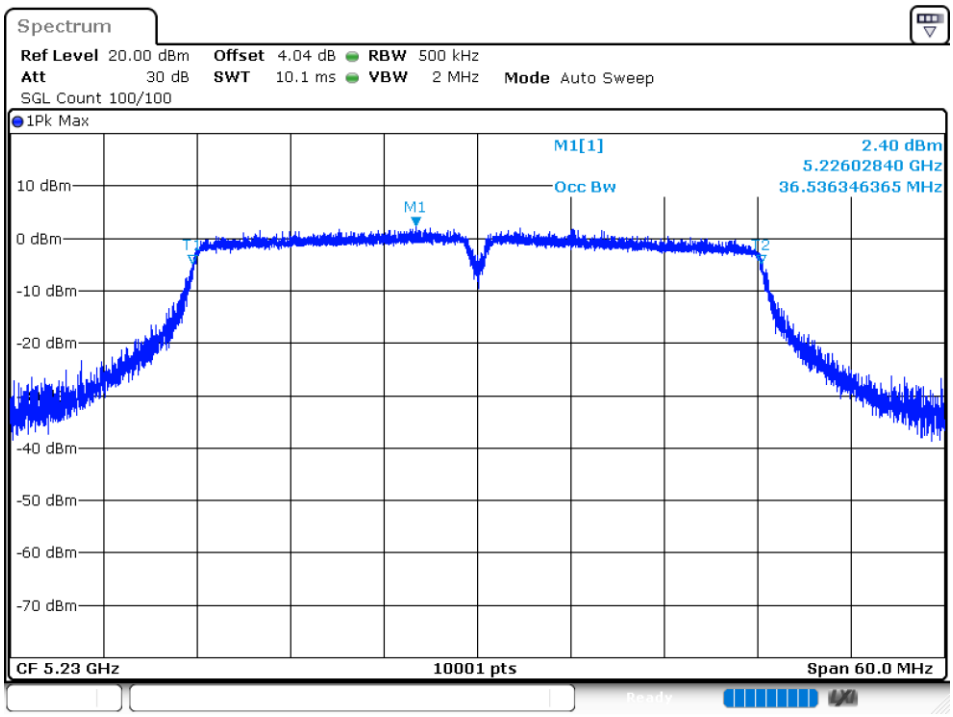
OBW NVNT n20 5240MHz Ant1



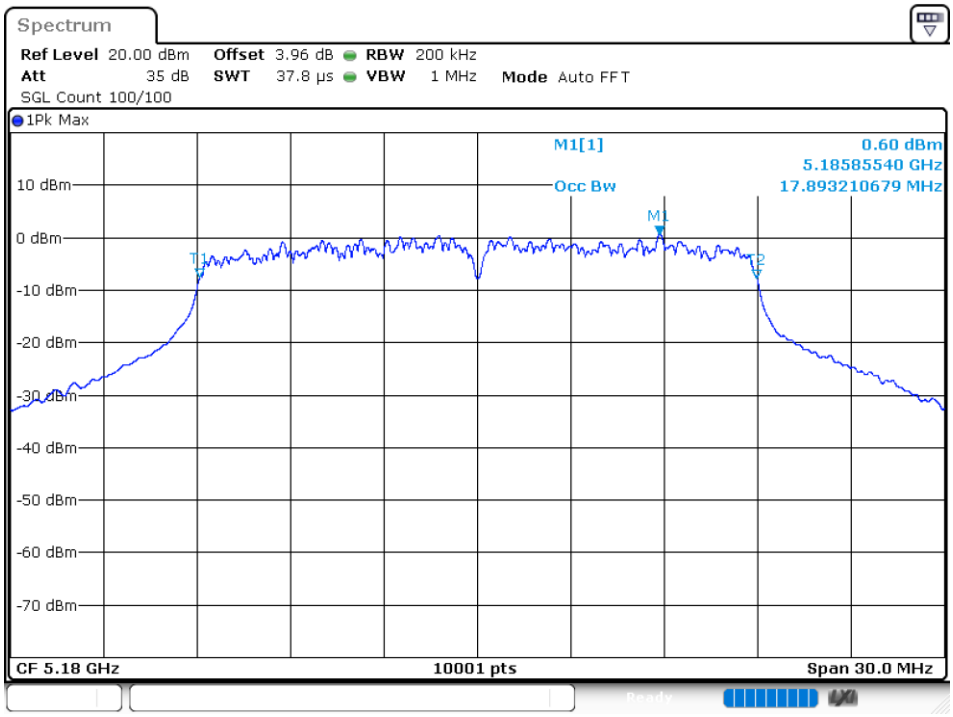
OBW NVNT n40 5190MHz Ant1



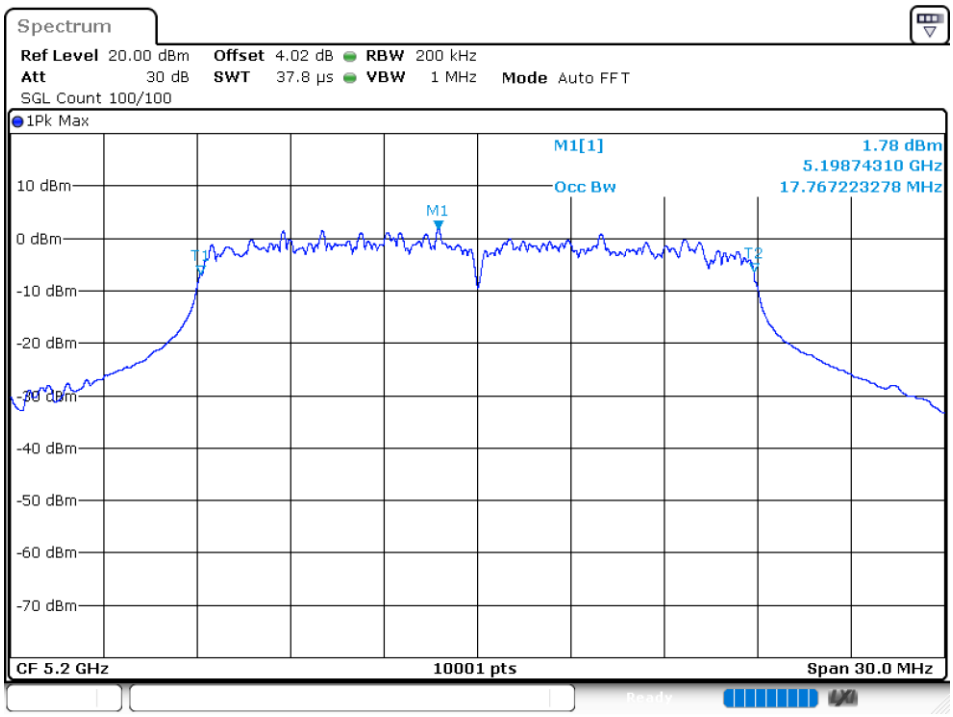
OBW NVNT n40 5230MHz Ant1



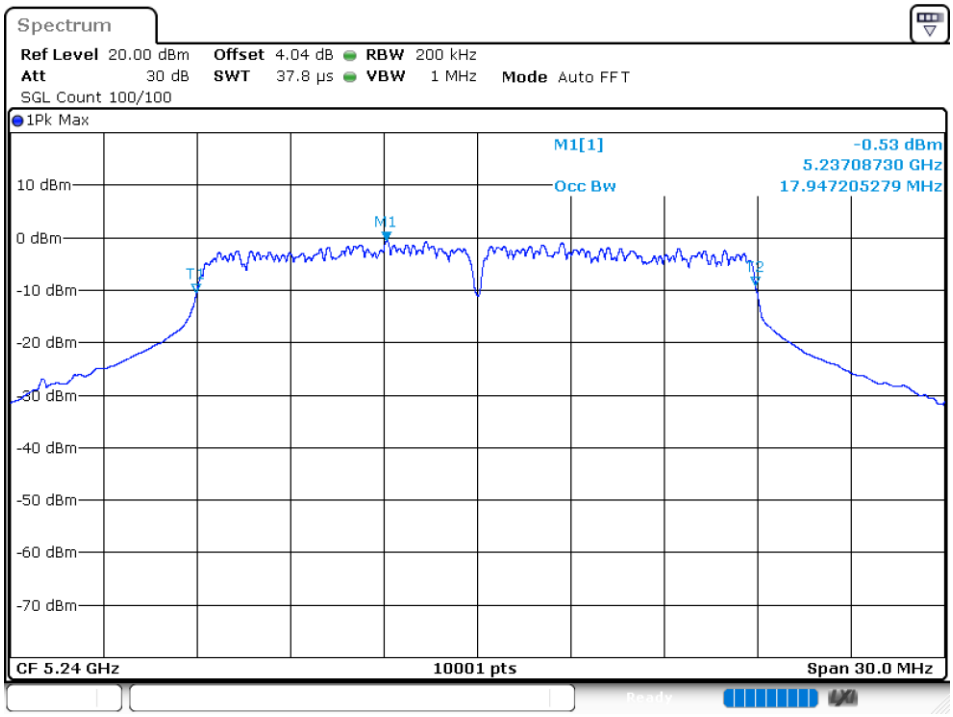
OBW NVNT ac20 5180MHz Ant1



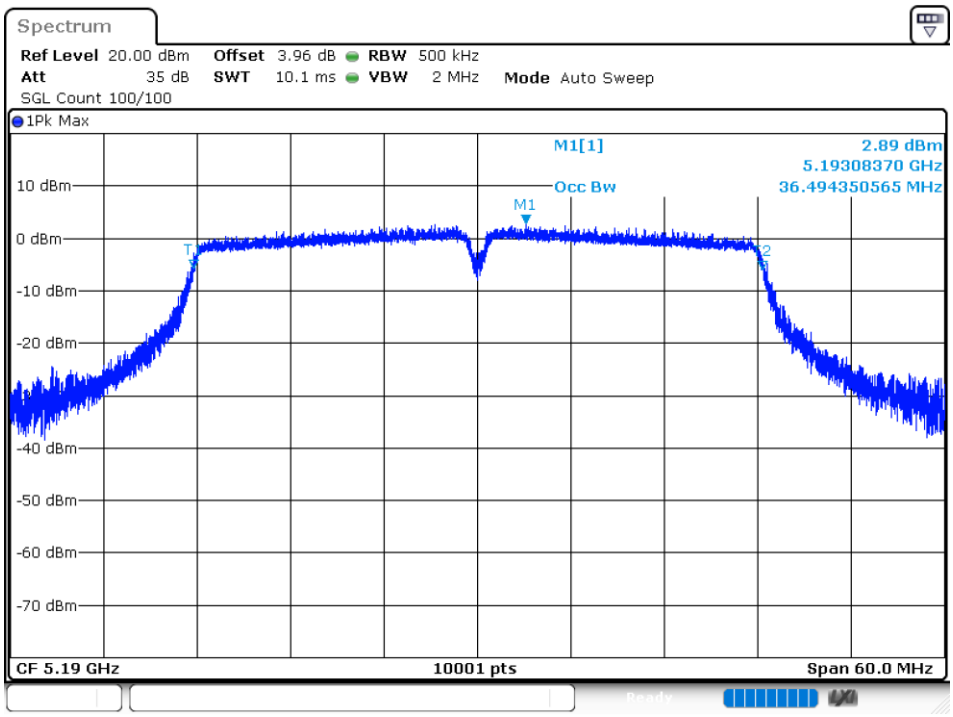
OBW NVNT ac20 5200MHz Ant1



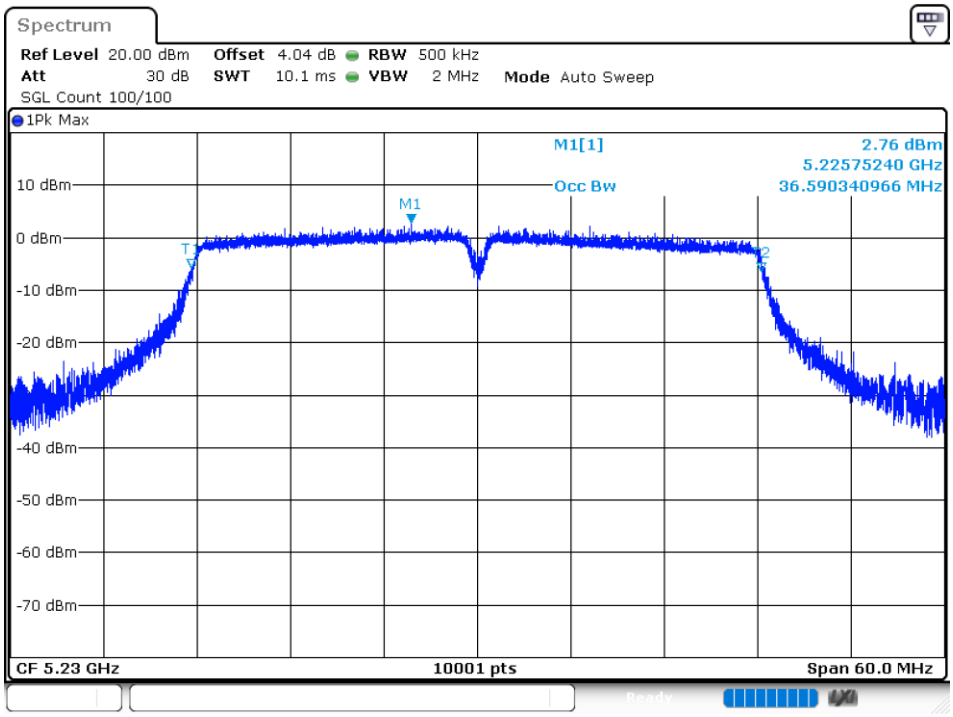
OBW NVNT ac20 5240MHz Ant1



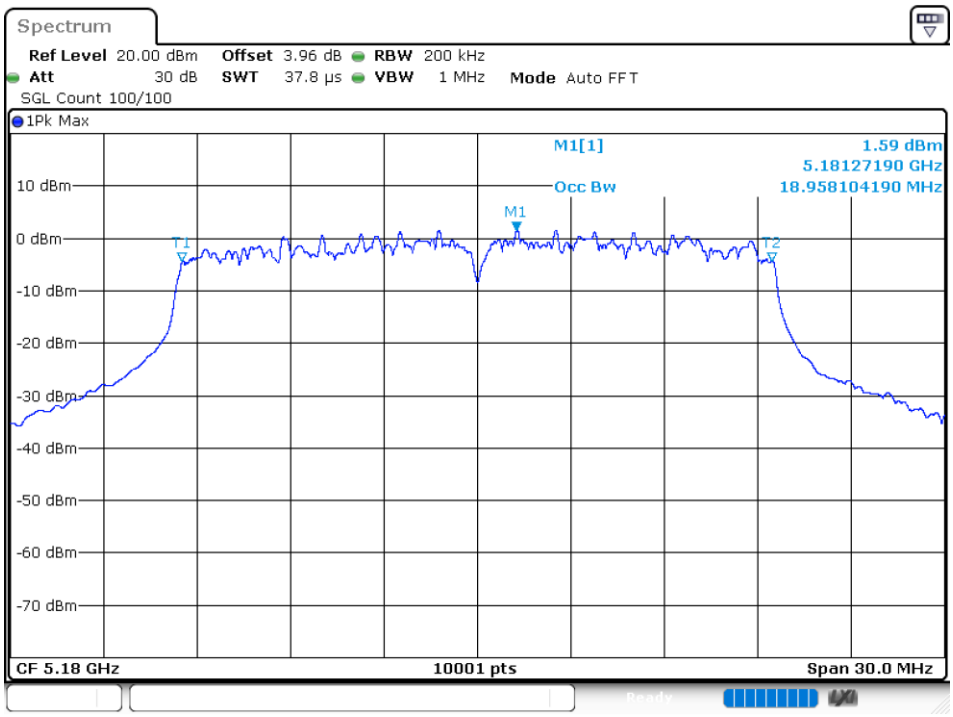
OBW NVNT ac40 5190MHz Ant1



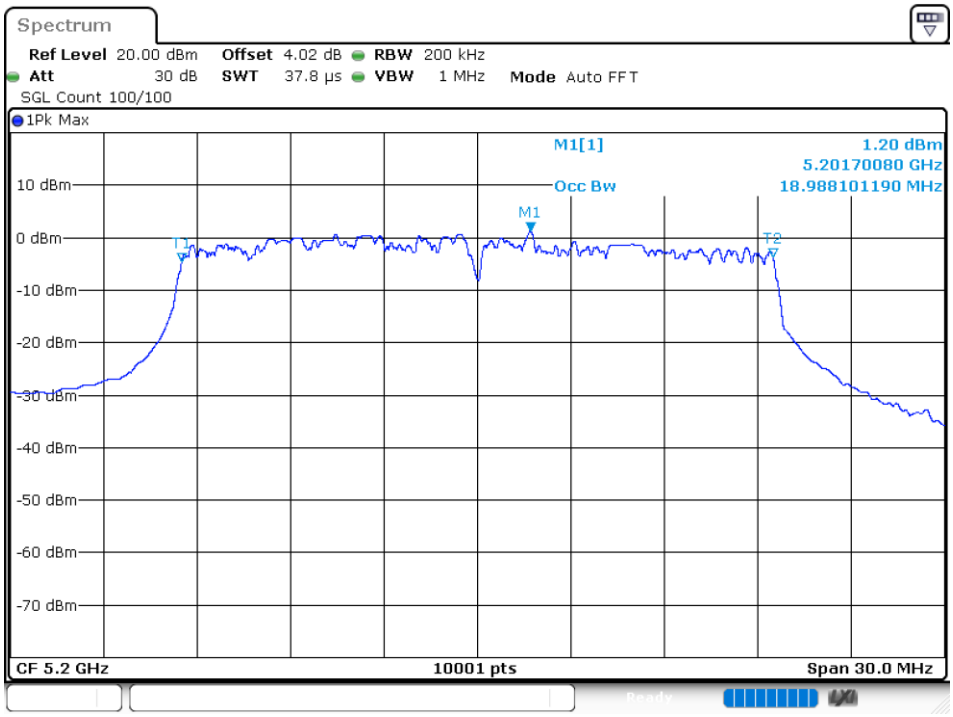
OBW NVNT ac40 5230MHz Ant1



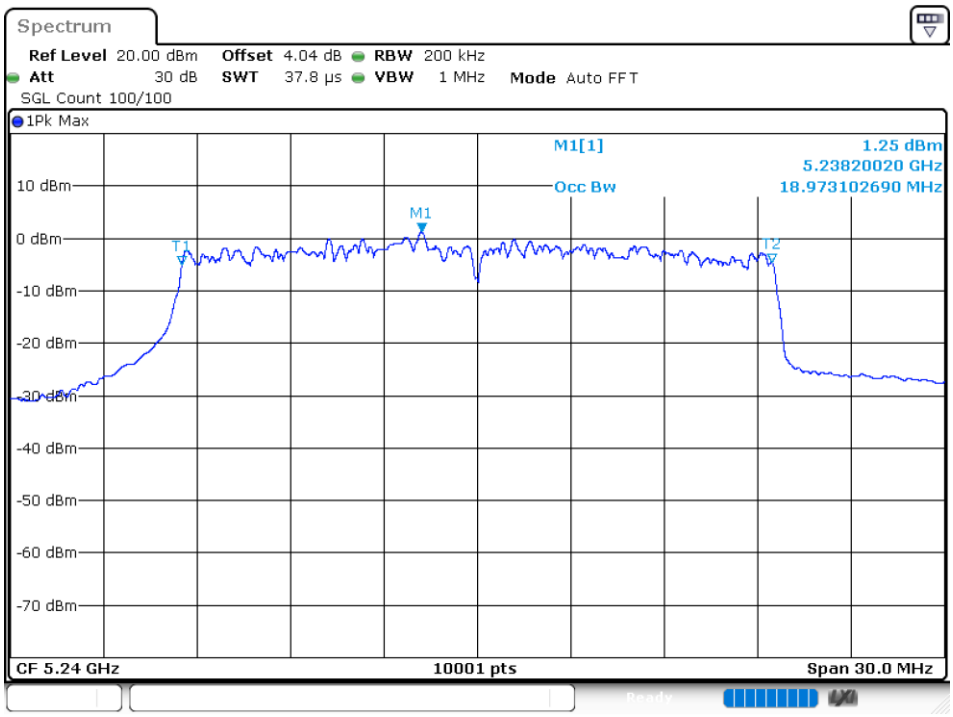
OBW NVNT ax20 5180MHz Ant1



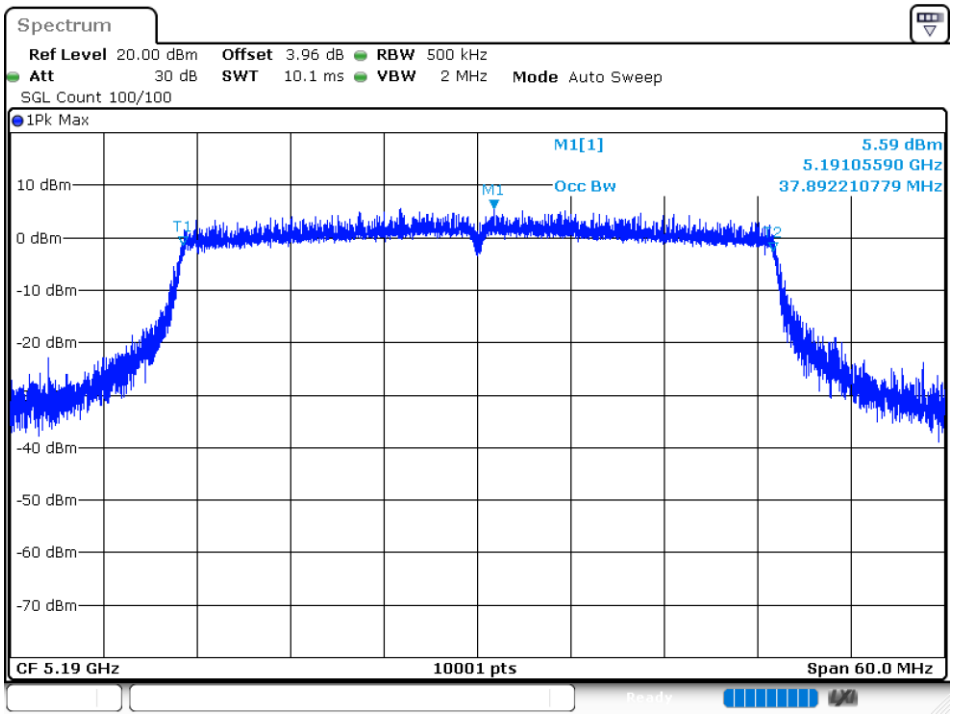
OBW NVNT ax20 5200MHz Ant1



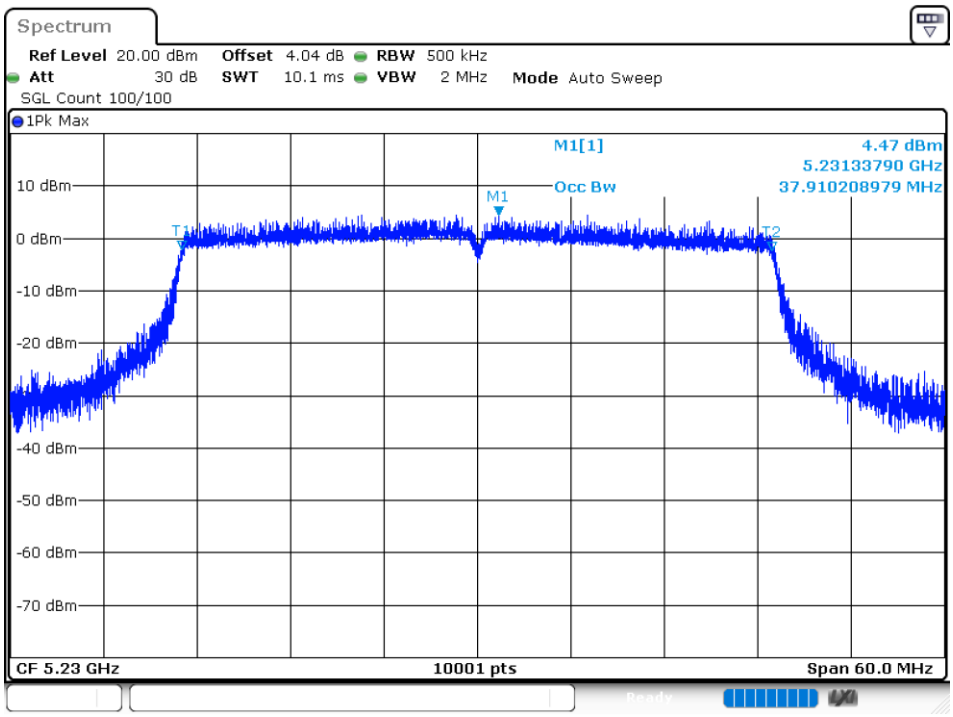
OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



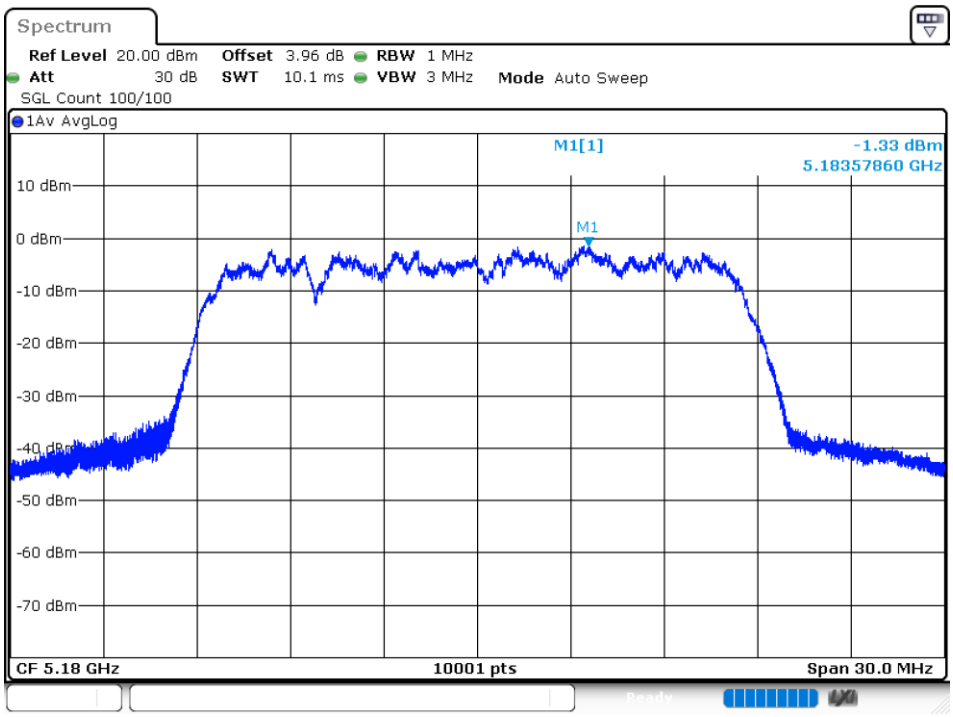
OBW NVNT ax40 5230MHz Ant1



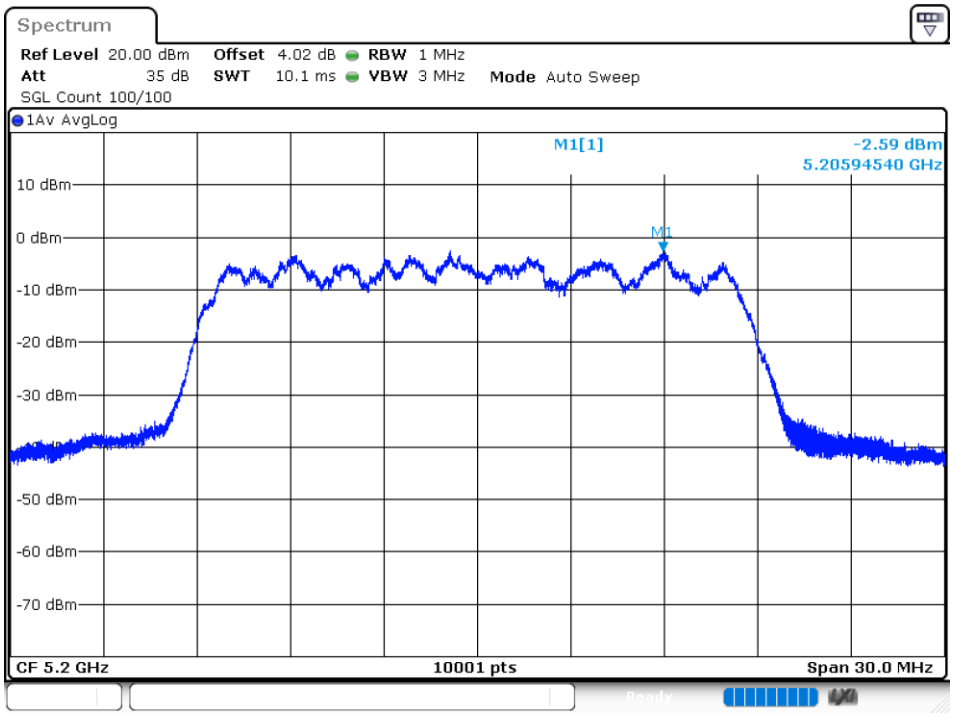
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.33	0.28	-1.05	11	Pass
NVNT	a	5200	Ant1	-2.59	0.83	-1.76	11	Pass
NVNT	a	5240	Ant1	-2.89	0.32	-2.57	11	Pass
NVNT	n20	5180	Ant1	-1.85	0.29	-1.56	11	Pass
NVNT	n20	5200	Ant1	-2.31	0.81	-1.5	11	Pass
NVNT	n20	5240	Ant1	-3.14	0.36	-2.78	11	Pass
NVNT	n40	5190	Ant1	-6.05	0.57	-5.48	11	Pass
NVNT	n40	5230	Ant1	-8.14	0.53	-7.61	11	Pass
NVNT	ac20	5180	Ant1	-1.94	0.3	-1.64	11	Pass
NVNT	ac20	5200	Ant1	-0.75	0.36	-0.39	11	Pass
NVNT	ac20	5240	Ant1	-3.03	0.33	-2.7	11	Pass
NVNT	ac40	5190	Ant1	-6.16	0.54	-5.62	11	Pass
NVNT	ac40	5230	Ant1	-8.65	0.5	-8.15	11	Pass
NVNT	ax20	5180	Ant1	-2.61	0.34	-2.27	11	Pass
NVNT	ax20	5200	Ant1	-8.75	0.45	-8.3	11	Pass
NVNT	ax20	5240	Ant1	-4.52	0.45	-4.07	11	Pass
NVNT	ax40	5190	Ant1	-8.67	0.67	-8	11	Pass
NVNT	ax40	5230	Ant1	-9.01	0.61	-8.4	11	Pass

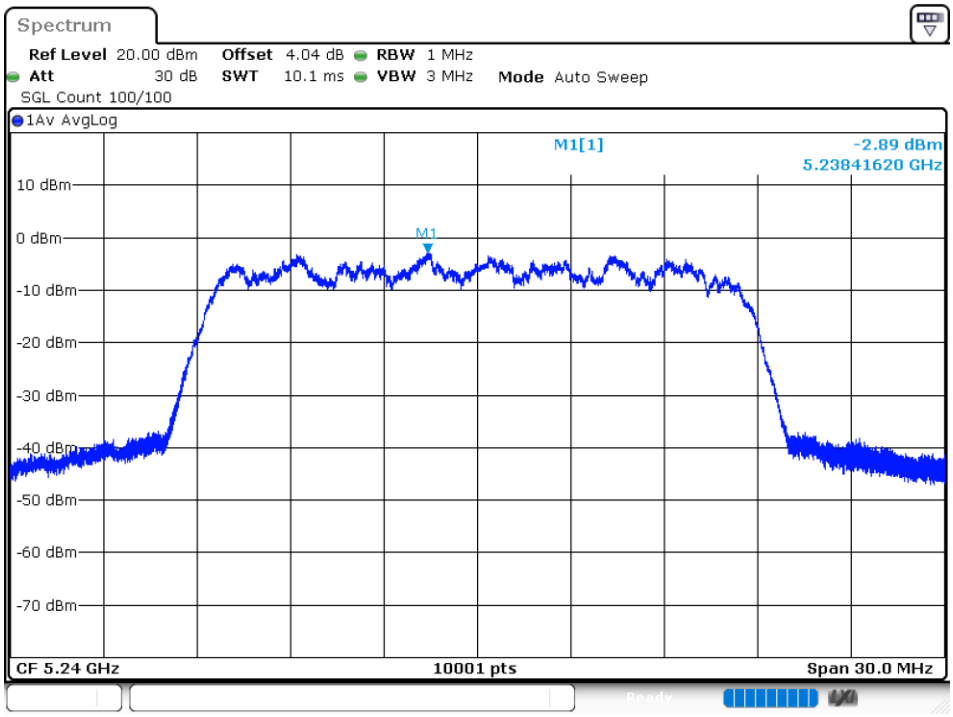
Test Graphs
PSD NVNT a 5180MHz Ant1



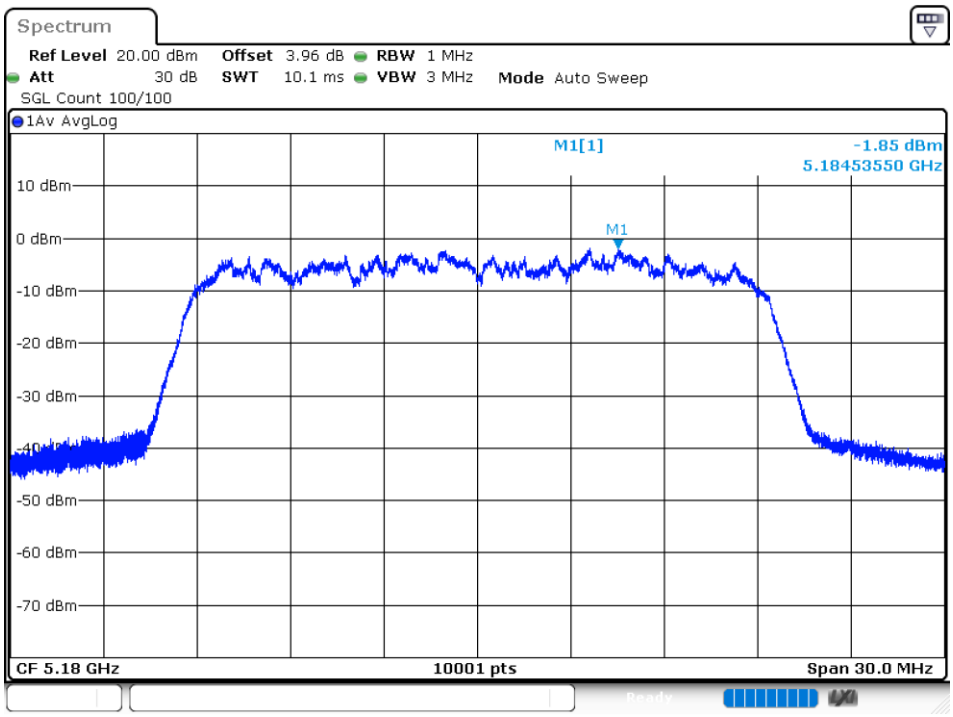
PSD NVNT a 5200MHz Ant1



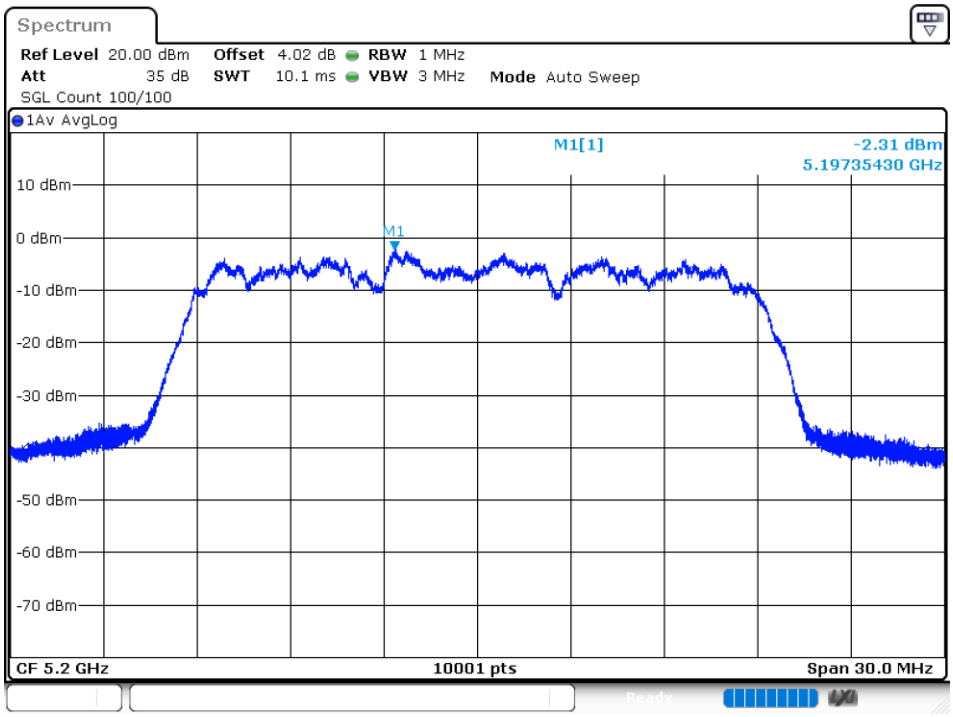
PSD NVNT a 5240MHz Ant1



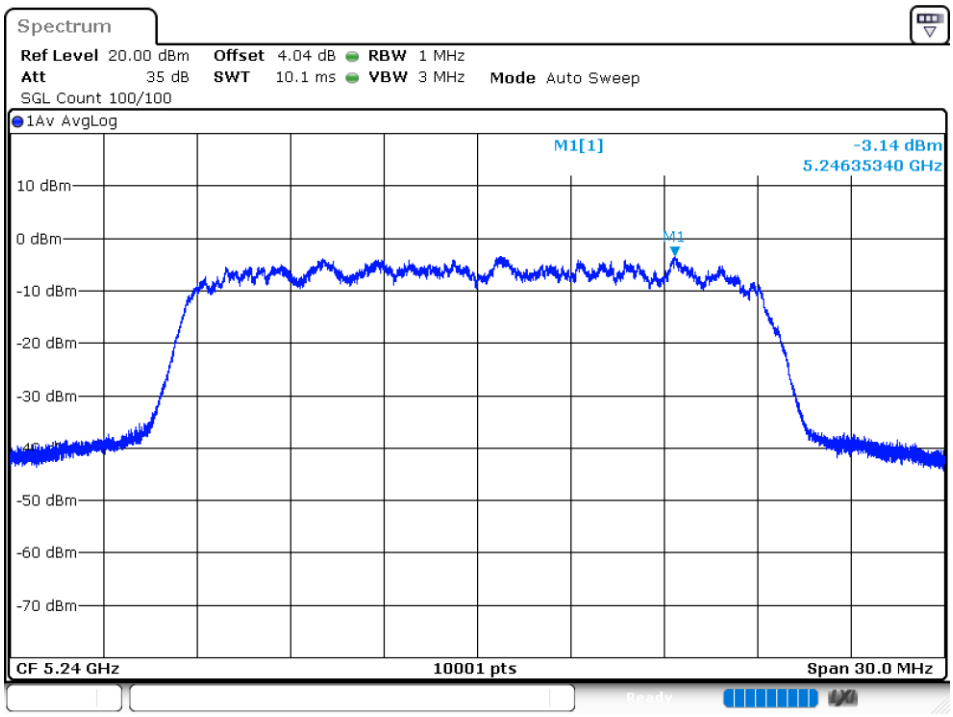
PSD NVNT n20 5180MHz Ant1



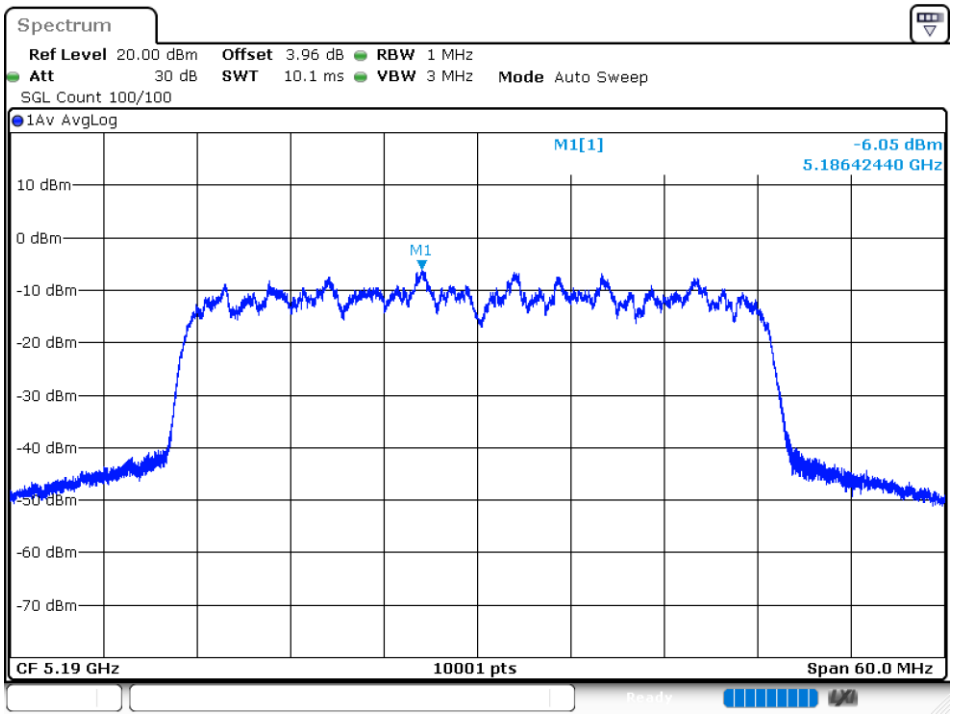
PSD NVNT n20 5200MHz Ant1



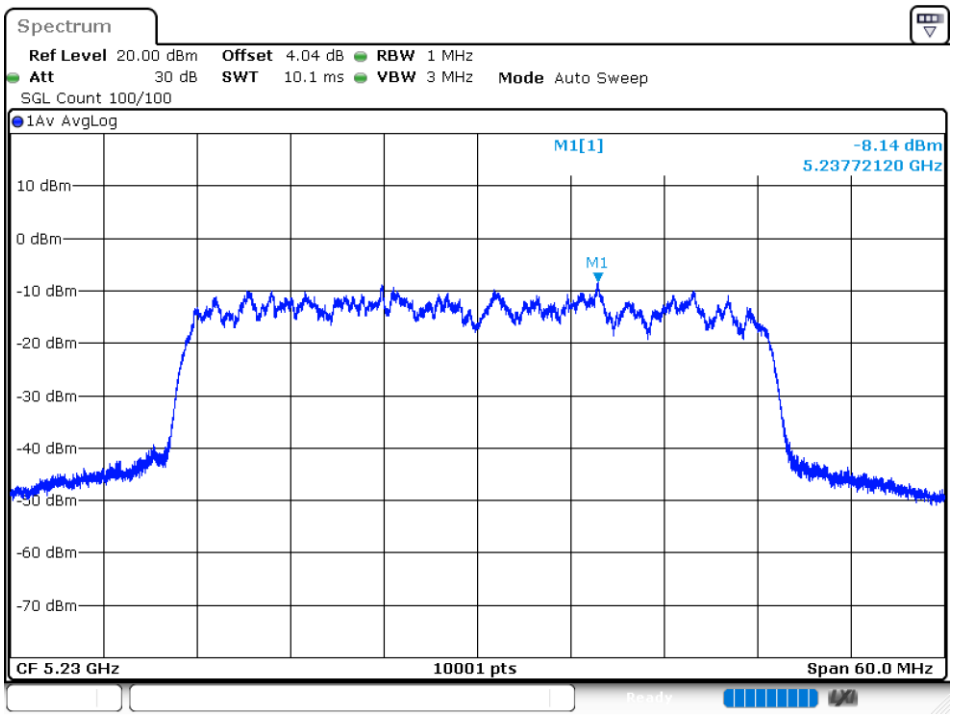
PSD NVNT n20 5240MHz Ant1



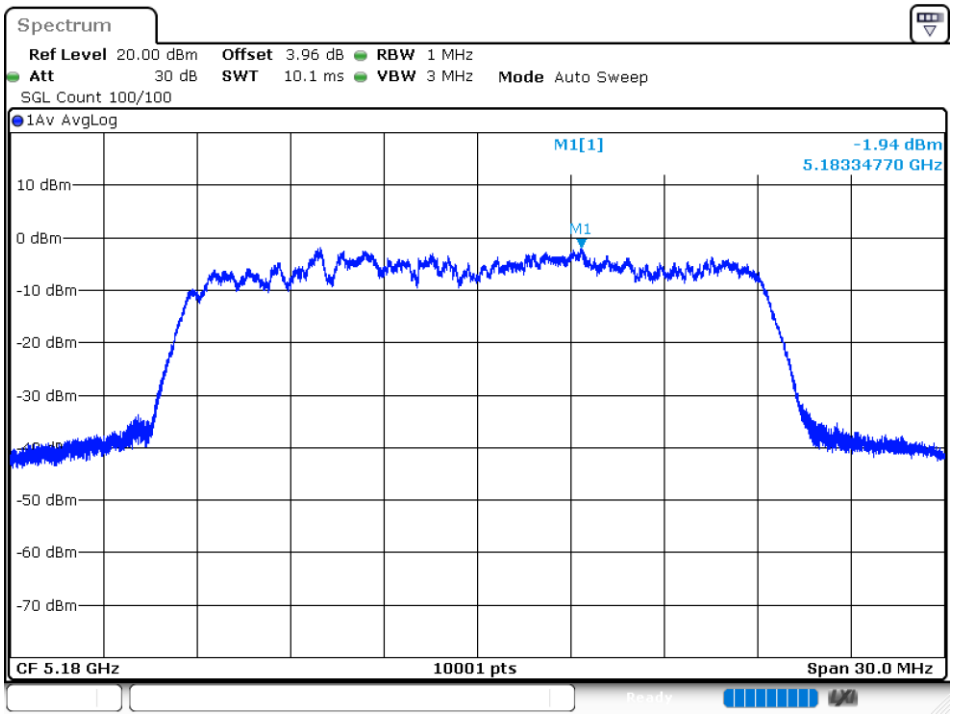
PSD NVNT n40 5190MHz Ant1



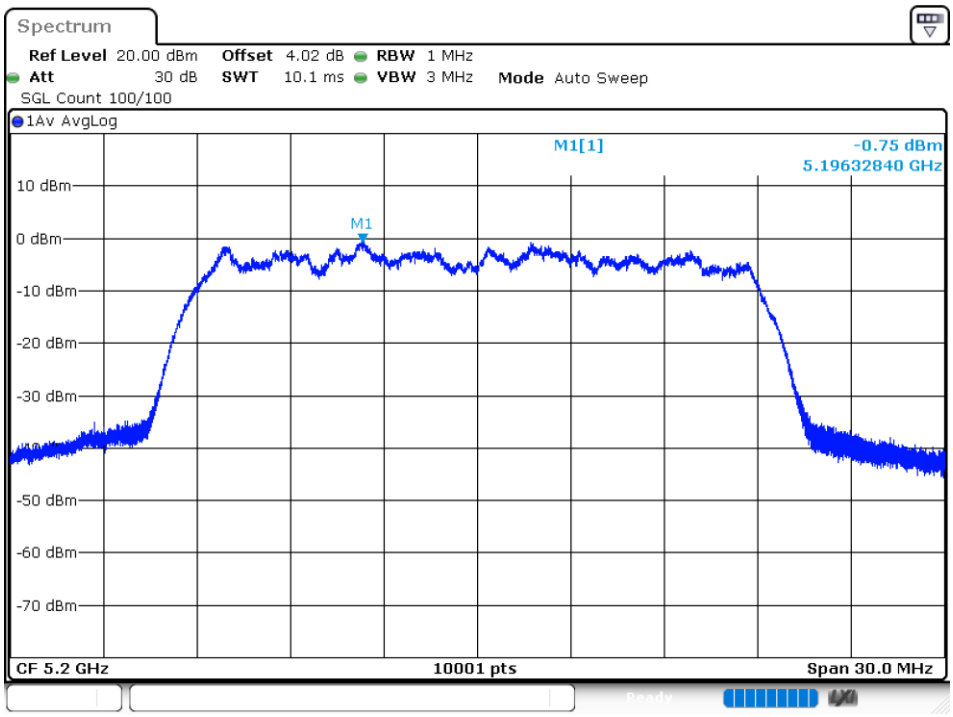
PSD NVNT n40 5230MHz Ant1



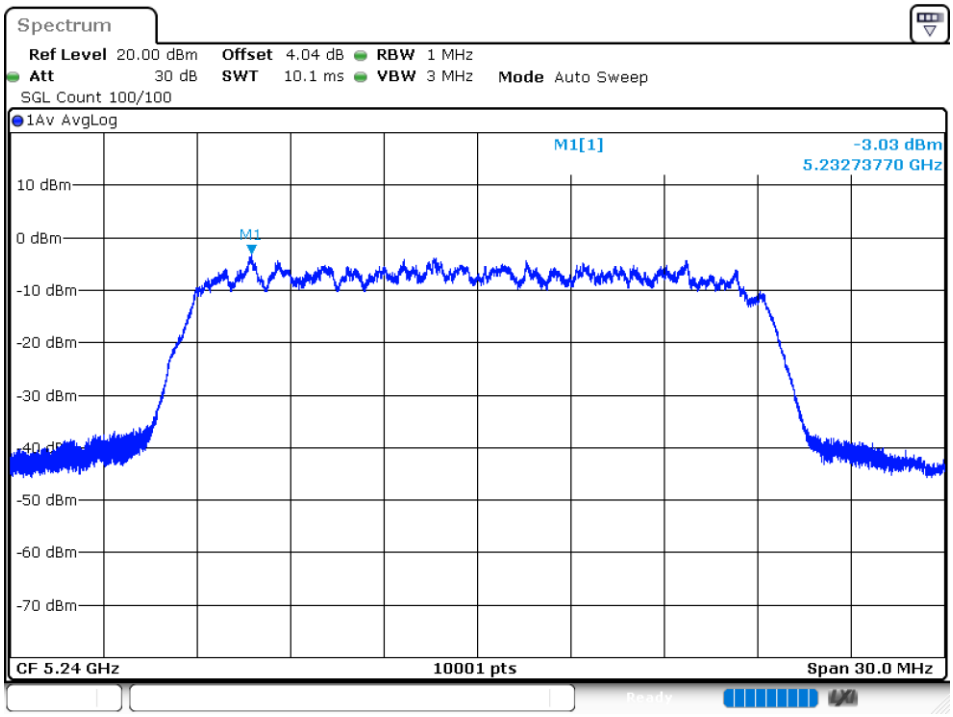
PSD NVNT ac20 5180MHz Ant1



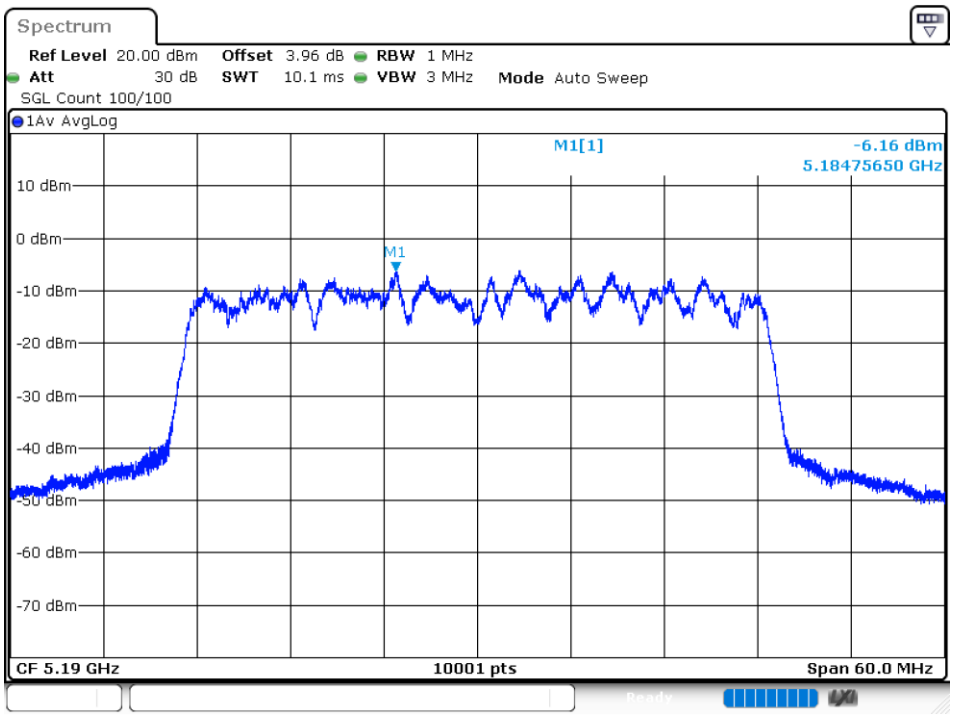
PSD NVNT ac20 5200MHz Ant1



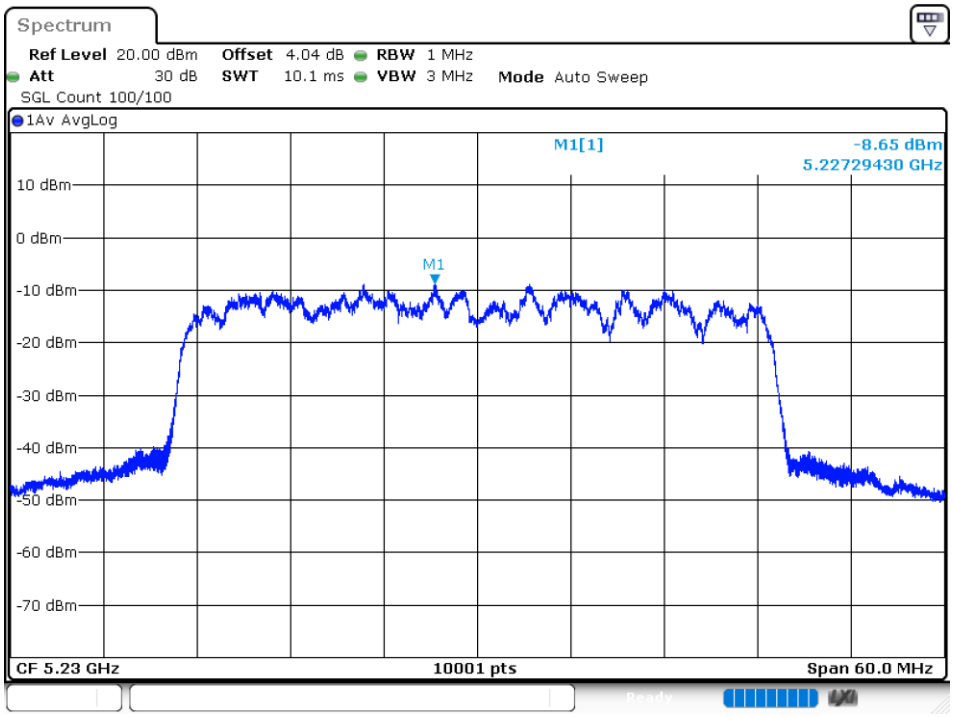
PSD NVNT ac20 5240MHz Ant1



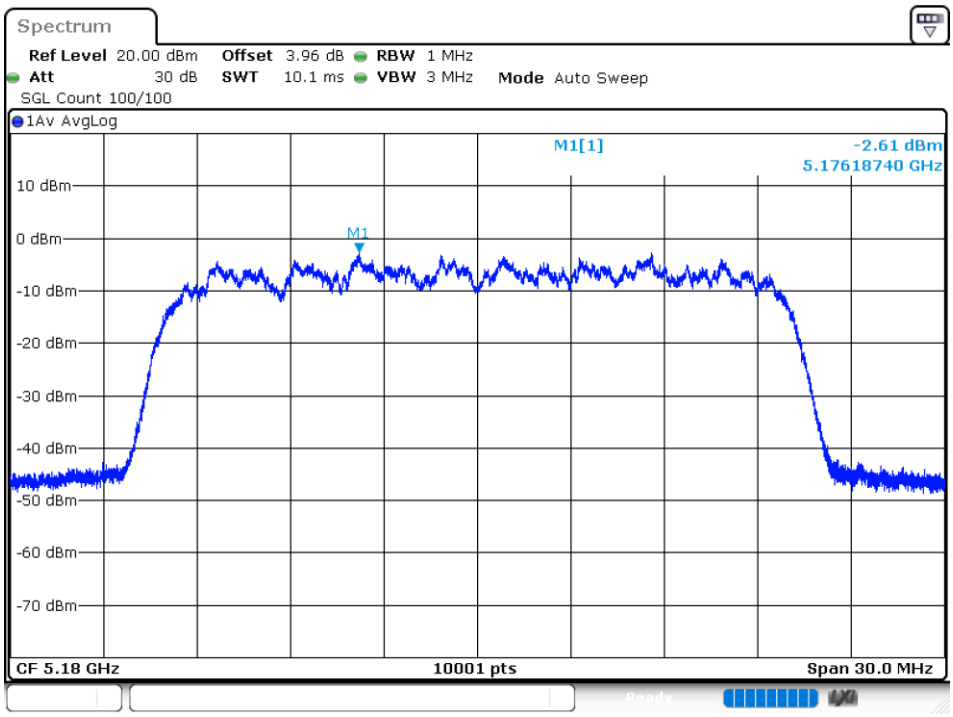
PSD NVNT ac40 5190MHz Ant1



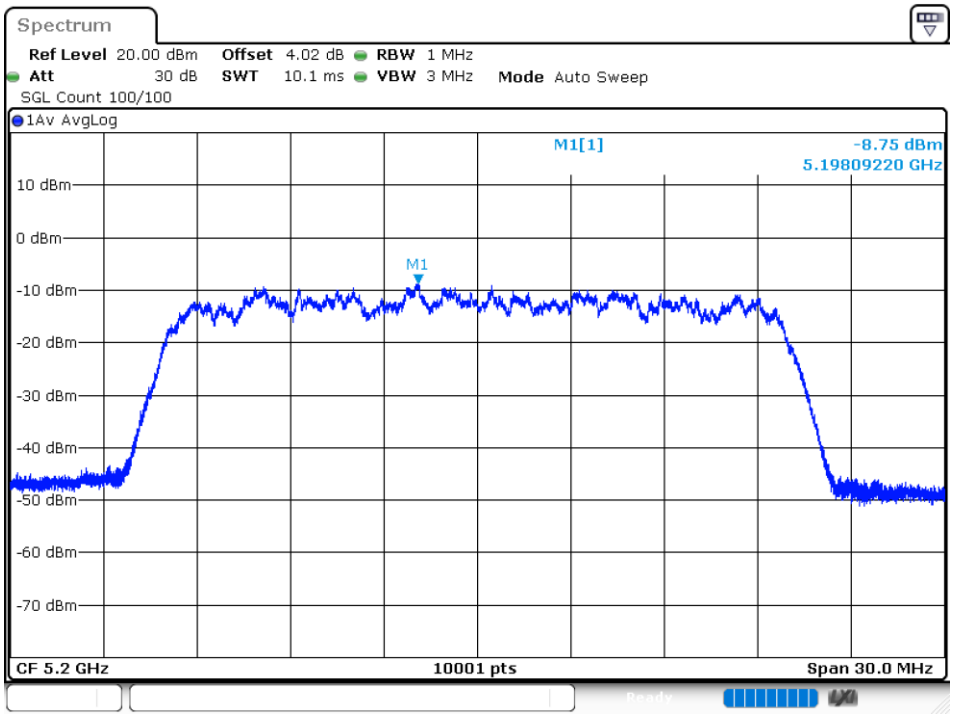
PSD NVNT ac40 5230MHz Ant1



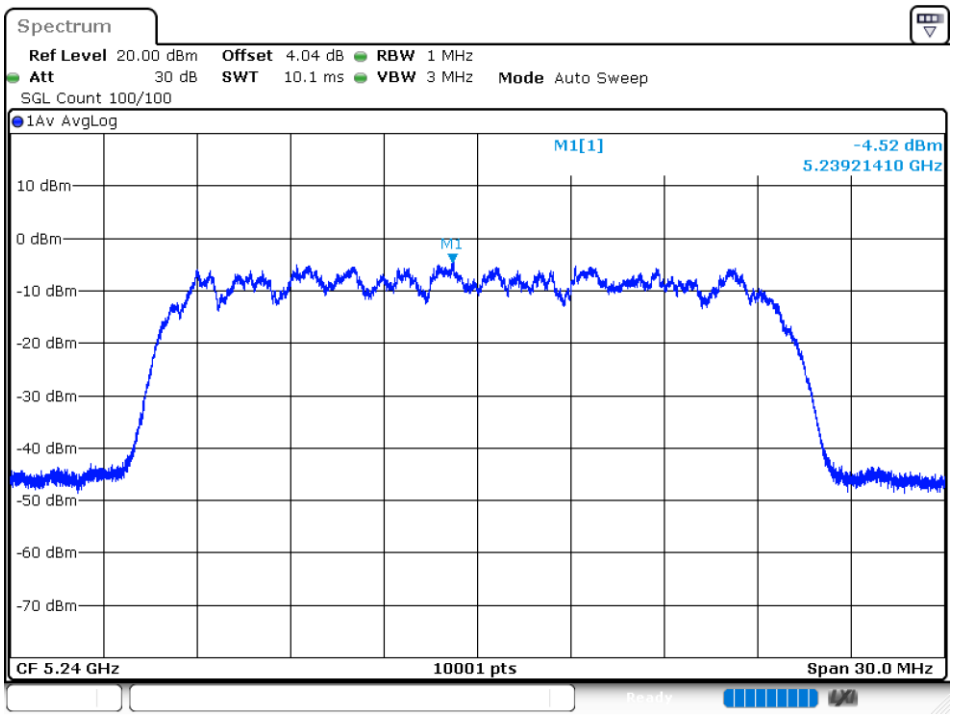
PSD NVNT ax20 5180MHz Ant1



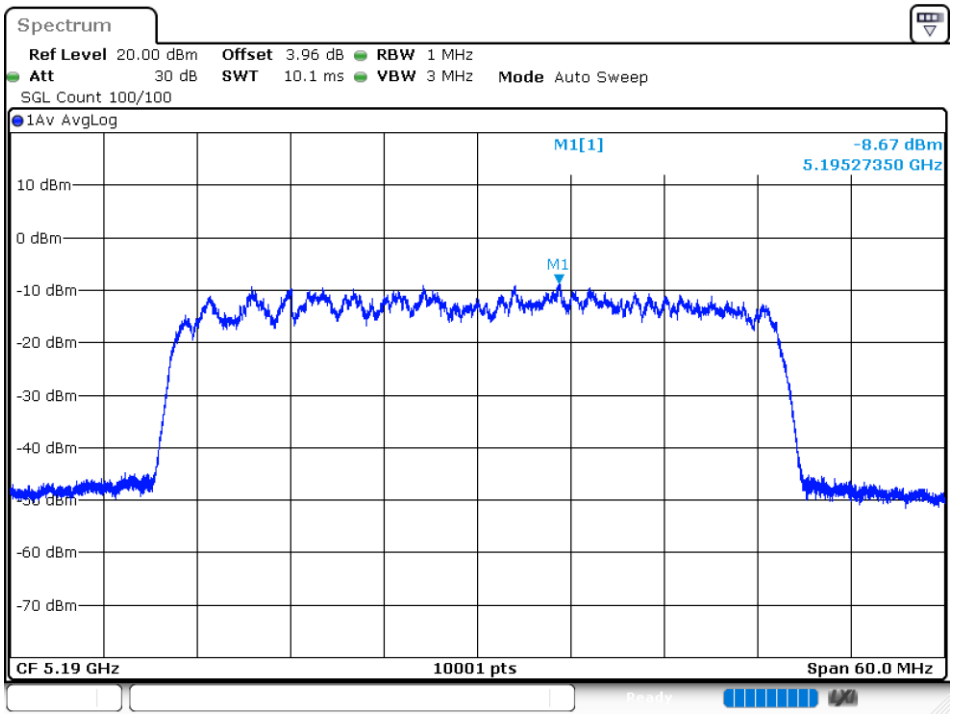
PSD NVNT ax20 5200MHz Ant1



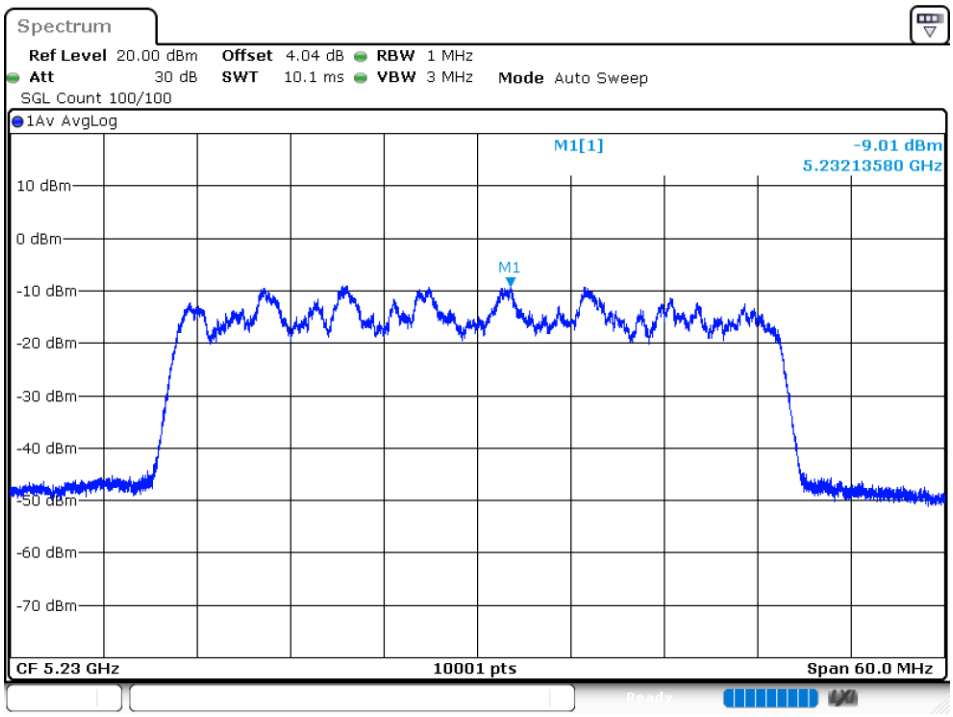
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1

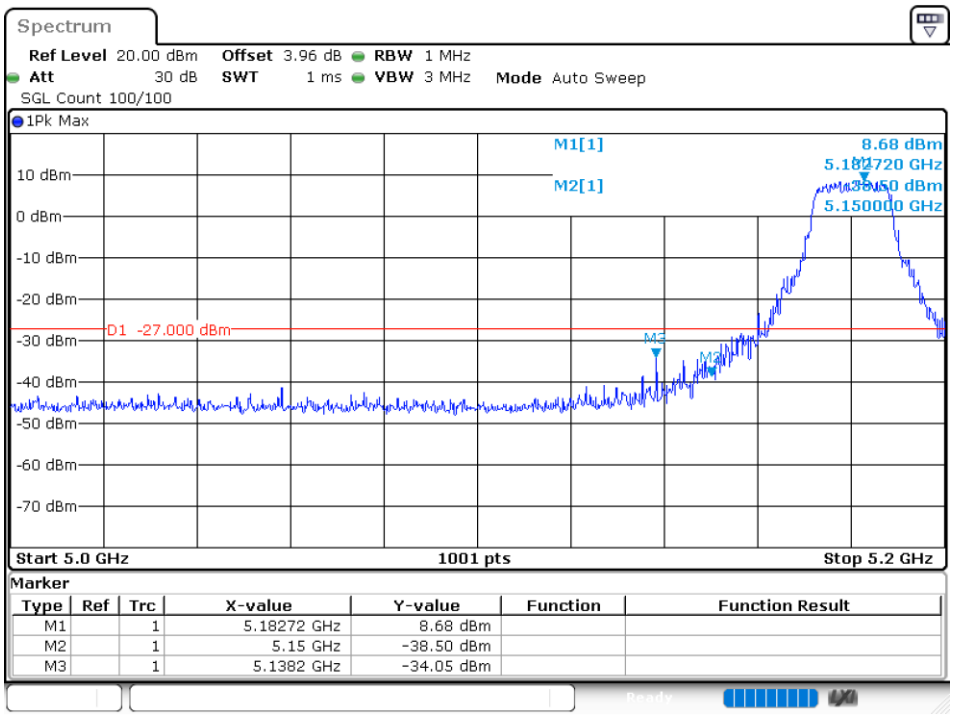


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.04	-27	Pass
NVNT	a	5240	Ant1	-42.41	-27	Pass
NVNT	n20	5180	Ant1	-32.48	-27	Pass
NVNT	n20	5240	Ant1	-42.93	-27	Pass
NVNT	n40	5190	Ant1	-27.87	-27	Pass
NVNT	n40	5230	Ant1	-43.45	-27	Pass
NVNT	ac20	5180	Ant1	-31.1	-27	Pass
NVNT	ac20	5240	Ant1	-43.09	-27	Pass
NVNT	ac40	5190	Ant1	-29.49	-27	Pass
NVNT	ac40	5230	Ant1	-42.39	-27	Pass
NVNT	ax20	5180	Ant1	-32.59	-27	Pass
NVNT	ax20	5240	Ant1	-43.64	-27	Pass
NVNT	ax40	5190	Ant1	-28.2	-27	Pass
NVNT	ax40	5230	Ant1	-43.69	-27	Pass

Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1