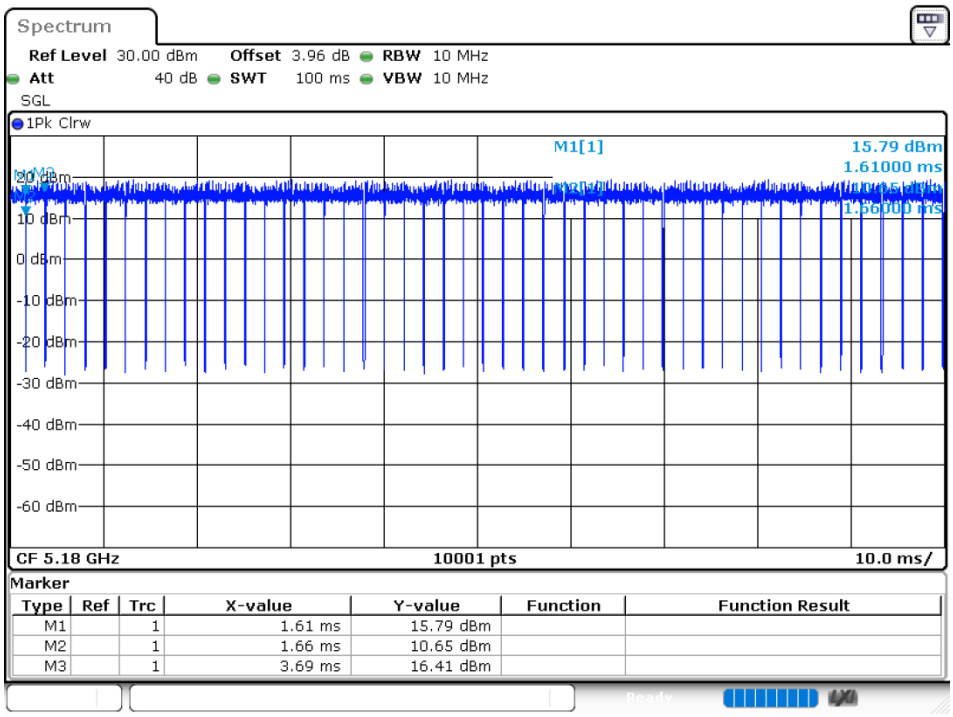
5.2G:

Duty Cycle

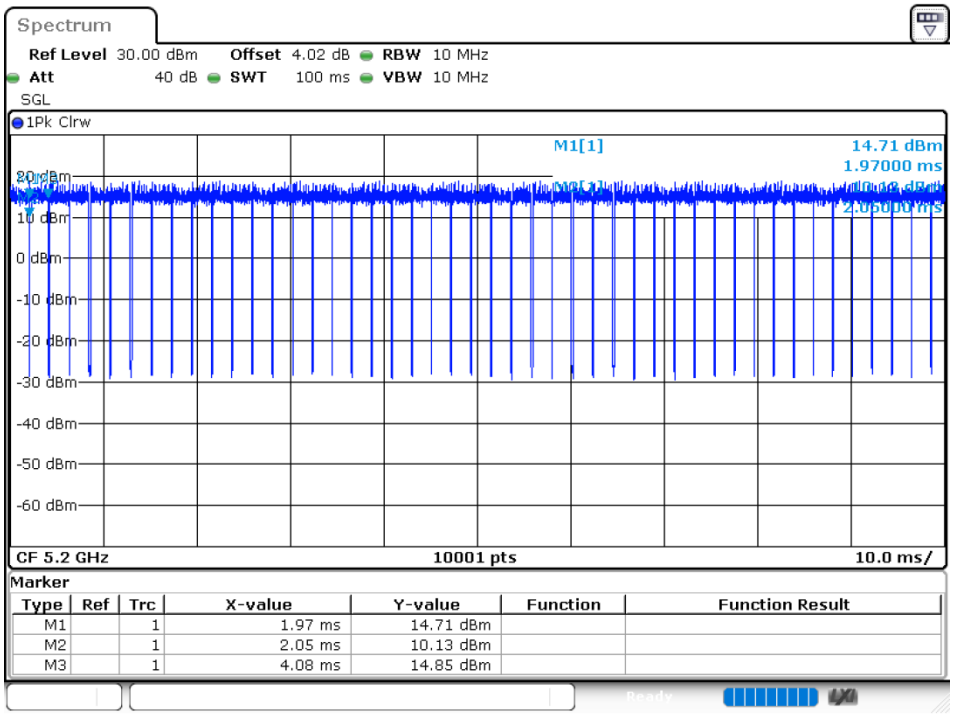
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.63	0.19	0.49
NVNT	a	5200	Ant1	95.25	0.21	0.49
NVNT	a	5240	Ant1	94.83	0.23	0.49
NVNT	n20	5180	Ant1	94.18	0.26	0.53
NVNT	n20	5200	Ant1	91.78	0.37	0.53
NVNT	n20	5240	Ant1	93.29	0.3	0.53
NVNT	n40	5190	Ant1	89.32	0.49	1.08
NVNT	n40	5230	Ant1	90.5	0.43	1.06
NVNT	ac20	5180	Ant1	94.23	0.26	0.53
NVNT	ac20	5200	Ant1	95.67	0.19	0.53
NVNT	ac20	5240	Ant1	96.35	0.16	0.53
NVNT	ac40	5190	Ant1	89.65	0.47	1.06
NVNT	ac40	5230	Ant1	86.05	0.65	1.06
NVNT	ax20	5180	Ant1	93.97	0.27	0.69
NVNT	ax20	5200	Ant1	90.4	0.44	0.68
NVNT	ax20	5240	Ant1	93.71	0.28	0.68
NVNT	ax40	5190	Ant1	88.66	0.52	1.33
NVNT	ax40	5230	Ant1	83.4	0.79	1.33

Test Graphs

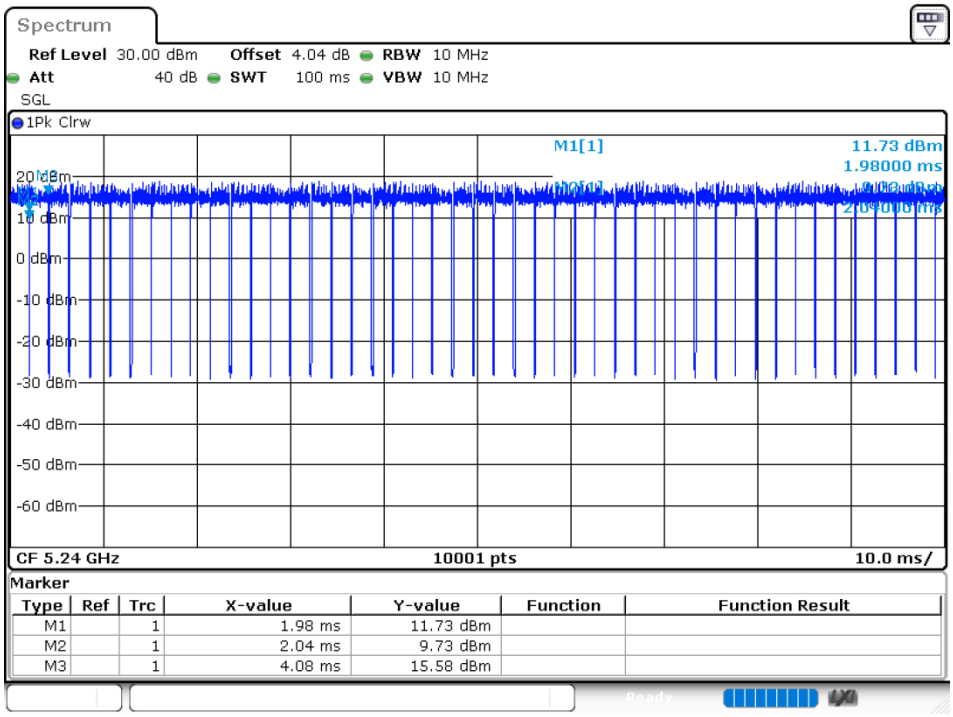
Duty Cycle NVNT a 5180MHz Ant1



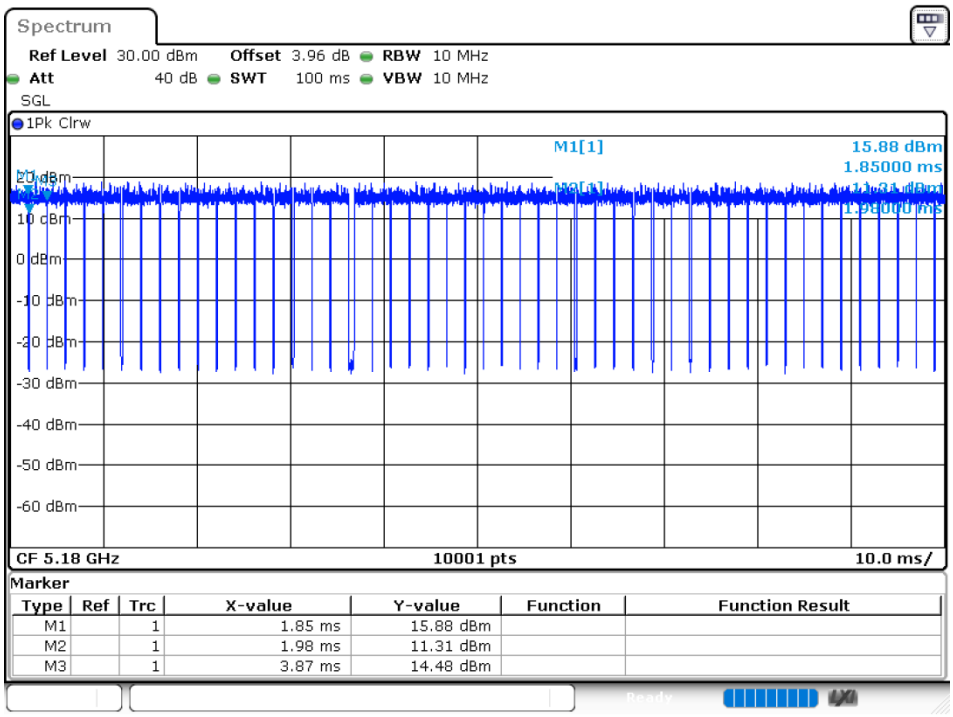
Duty Cycle NVNT a 5200MHz Ant1



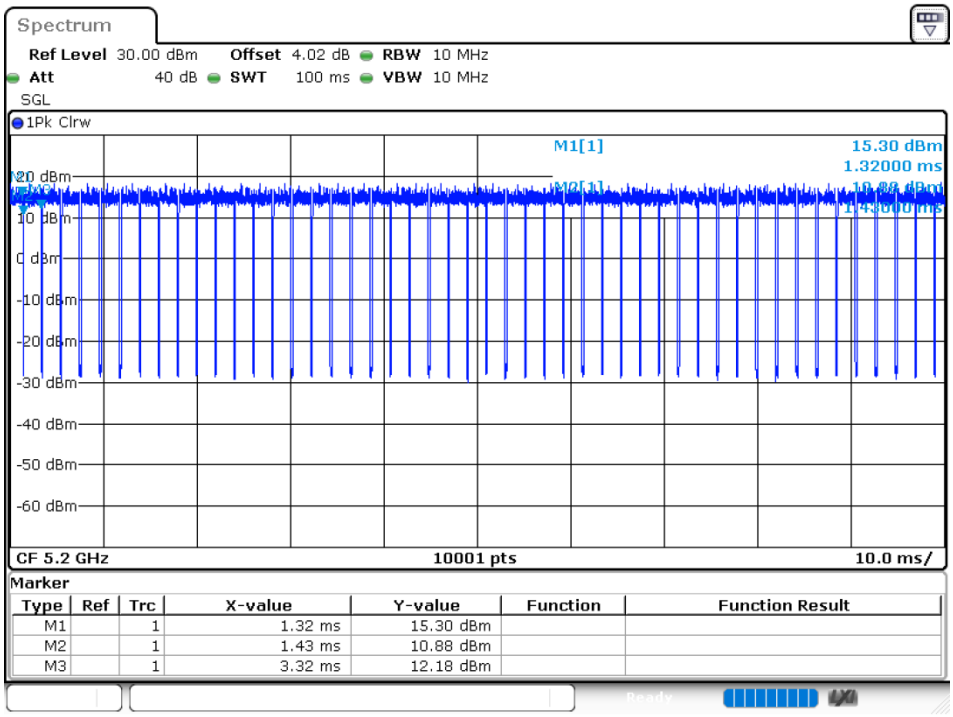
Duty Cycle NVNT a 5240MHz Ant1



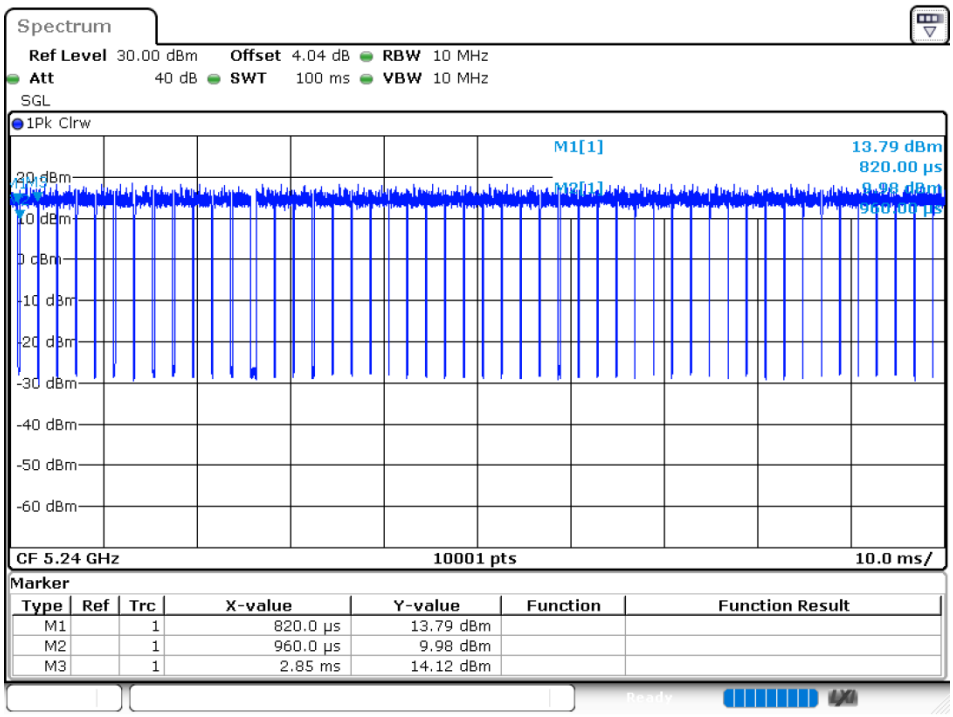
Duty Cycle NVNT n20 5180MHz Ant1



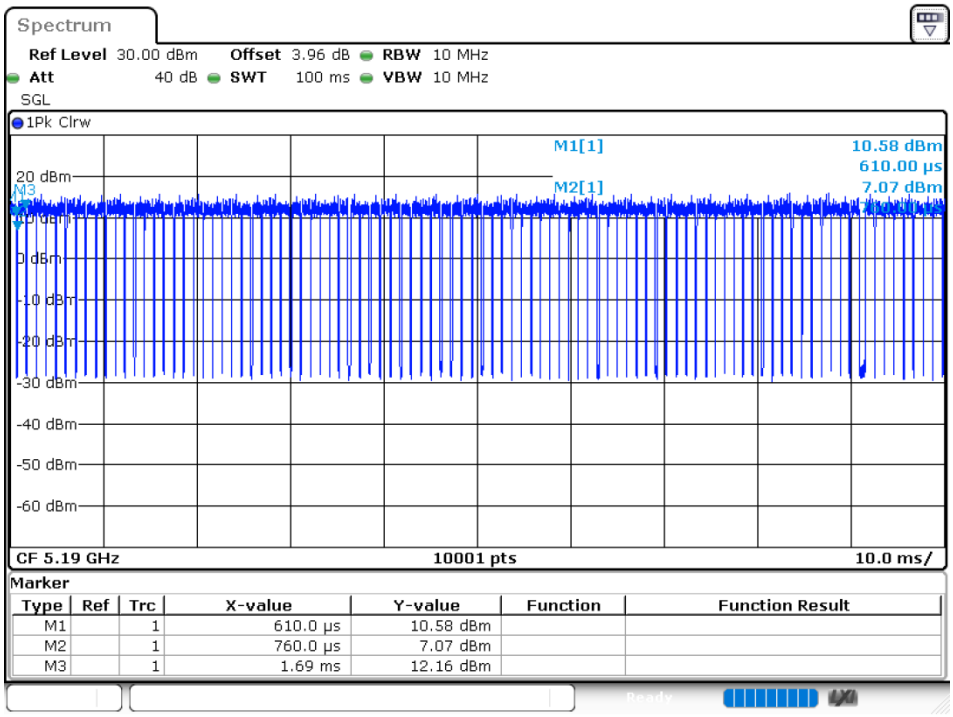
Duty Cycle NVNT n20 5200MHz Ant1



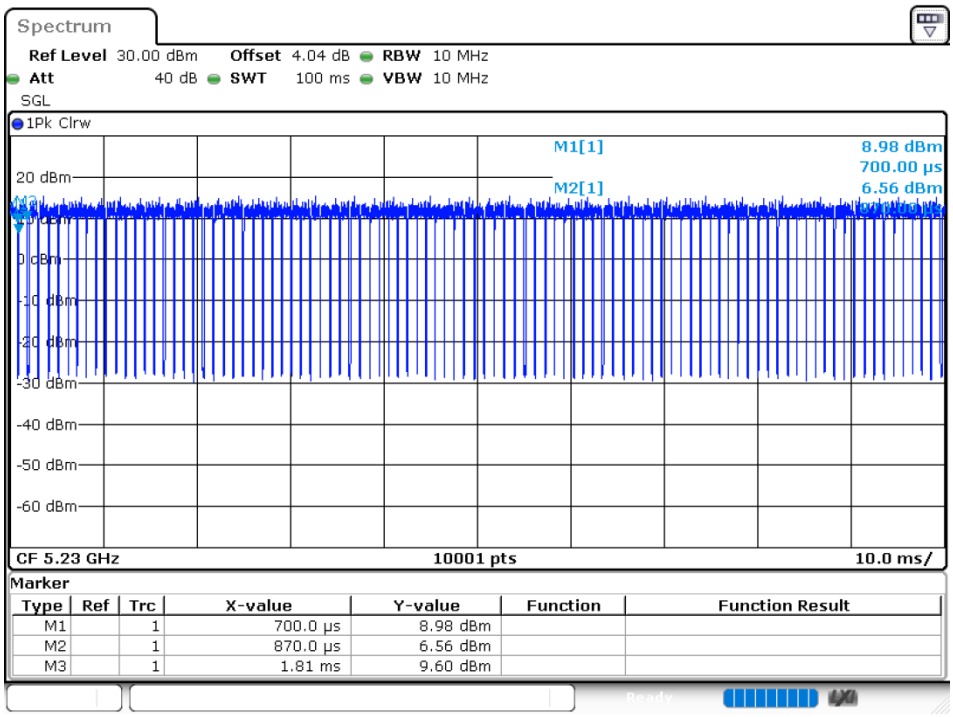
Duty Cycle NVNT n20 5240MHz Ant1



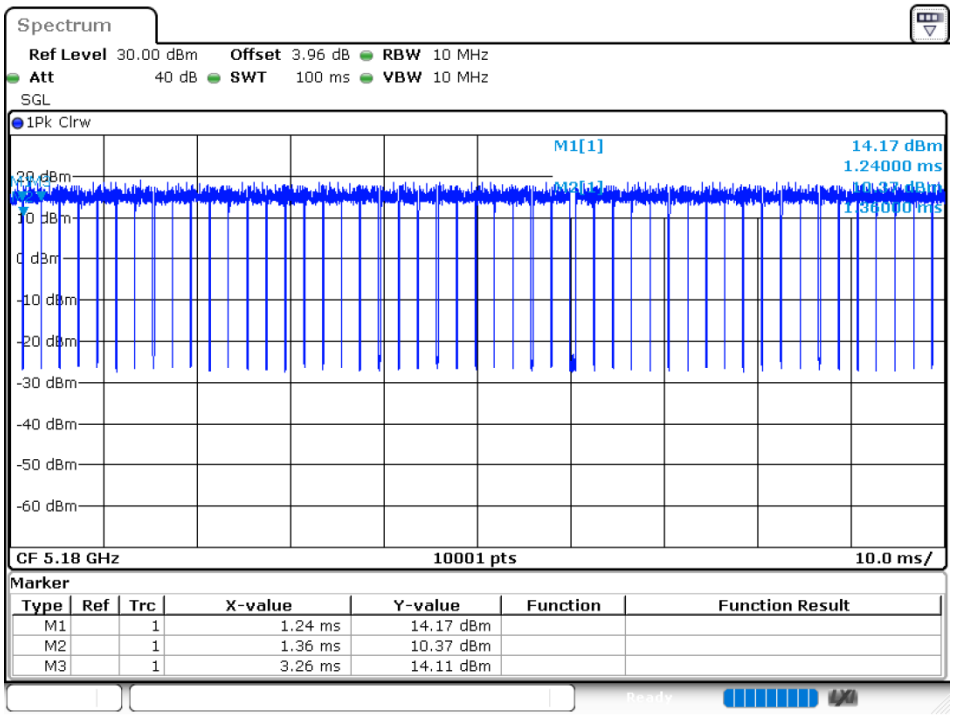
Duty Cycle NVNT n40 5190MHz Ant1



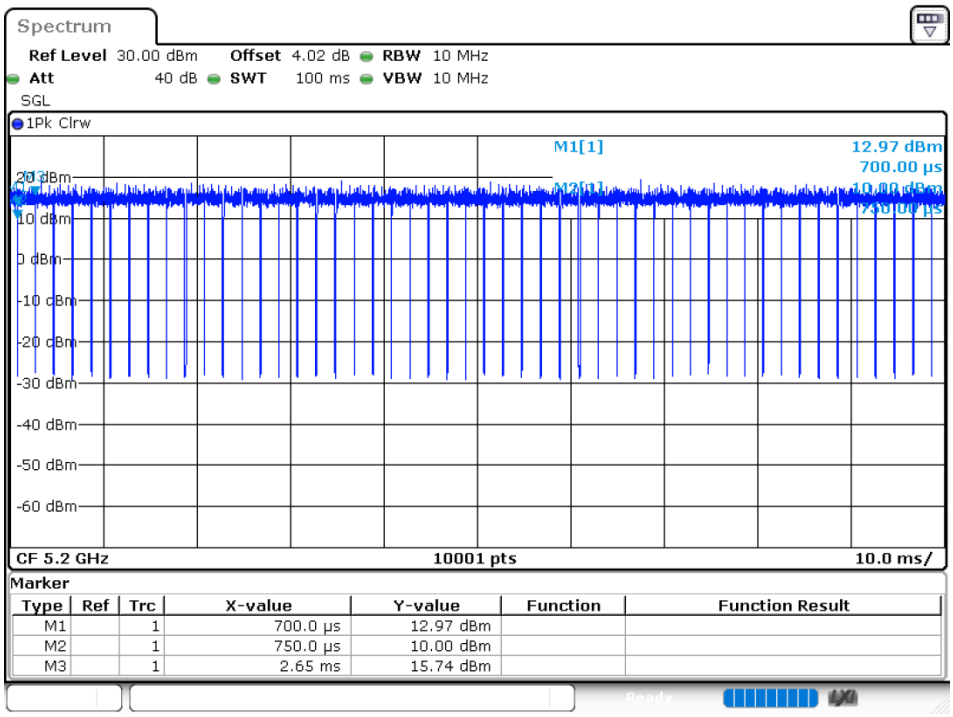
Duty Cycle NVNT n40 5230MHz Ant1



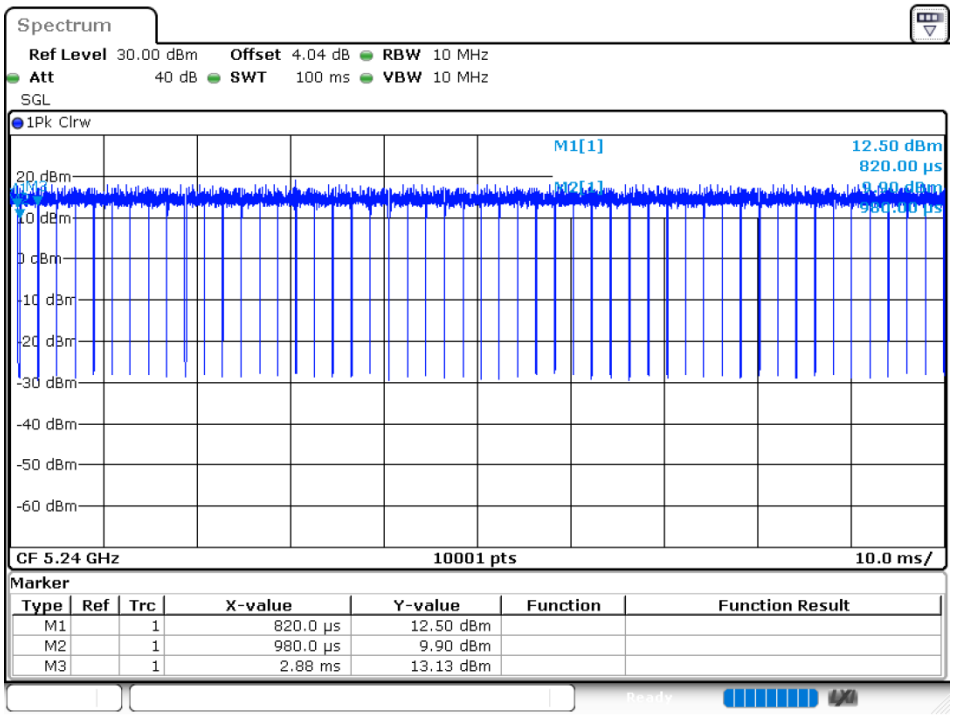
Duty Cycle NVNT ac20 5180MHz Ant1



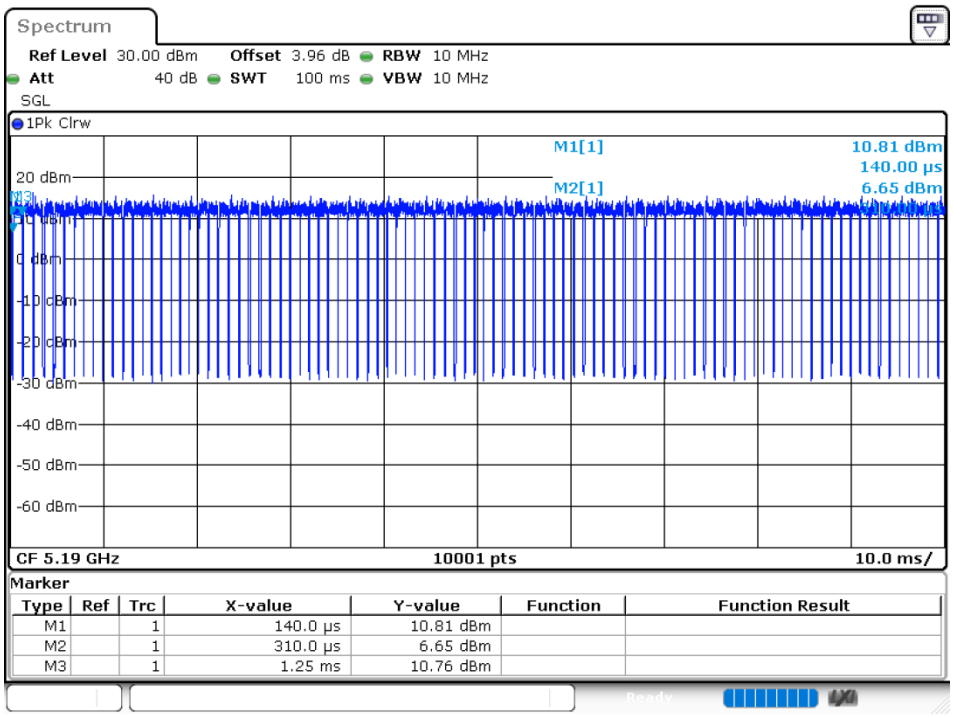
Duty Cycle NVNT ac20 5200MHz Ant1



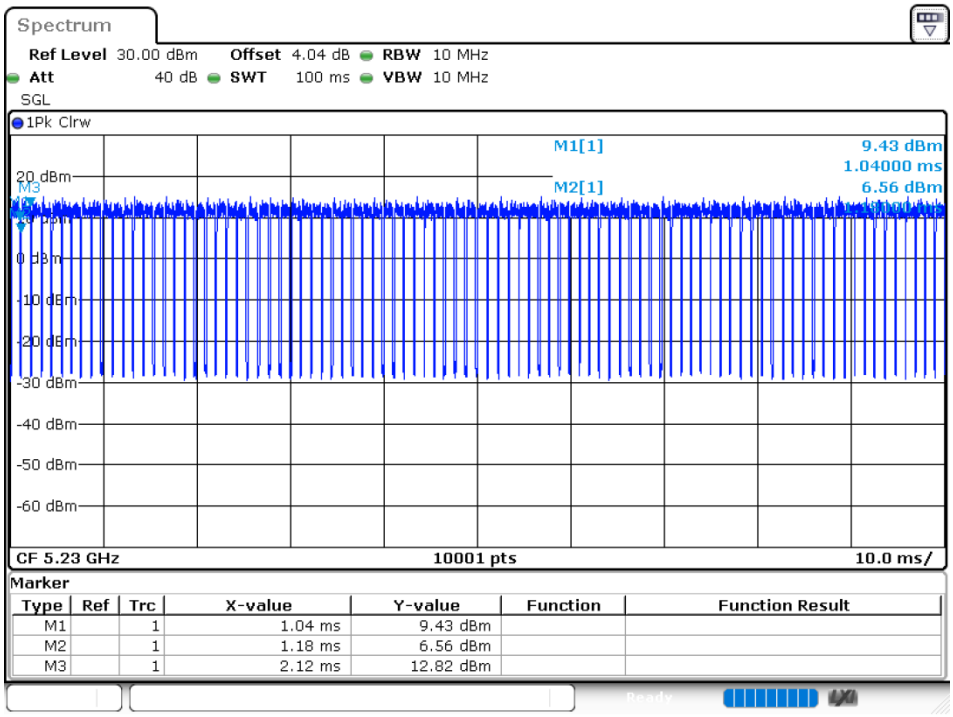
Duty Cycle NVNT ac20 5240MHz Ant1



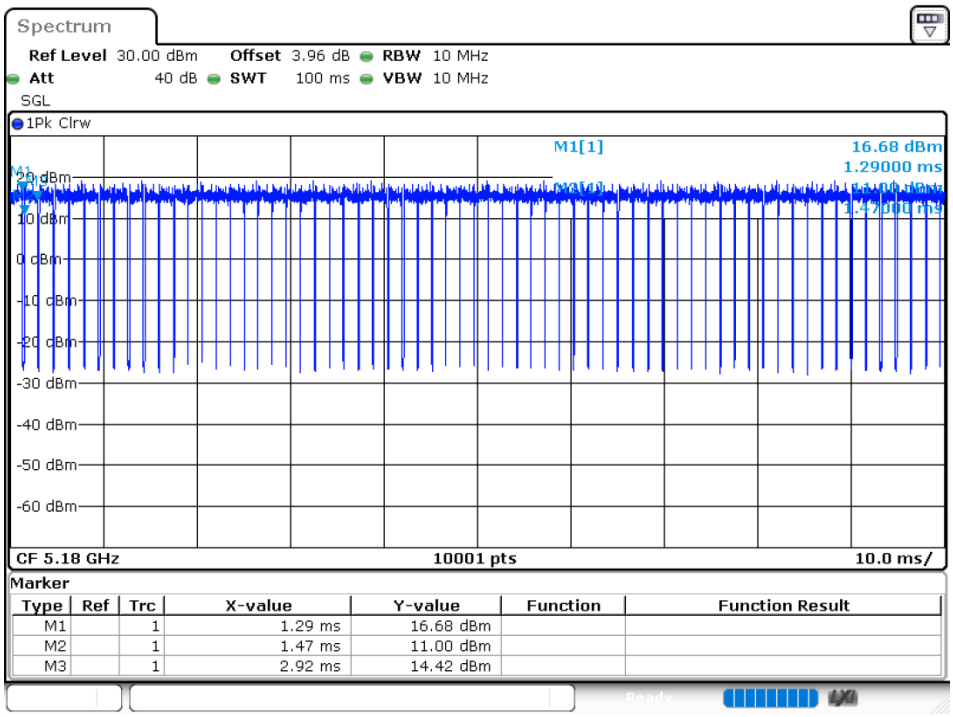
Duty Cycle NVNT ac40 5190MHz Ant1



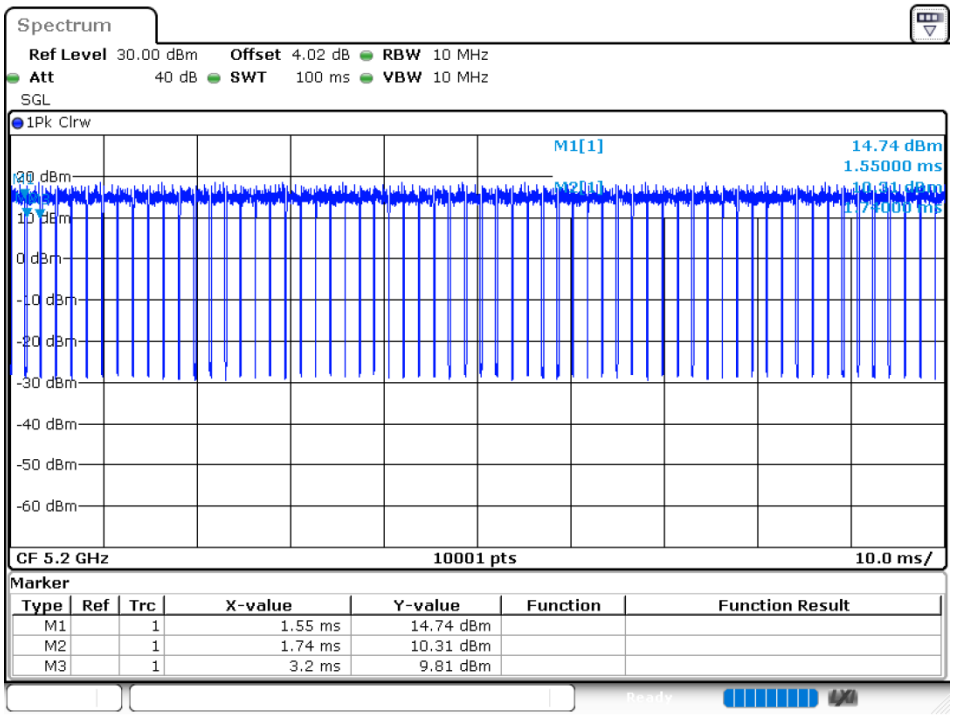
Duty Cycle NVNT ac40 5230MHz Ant1



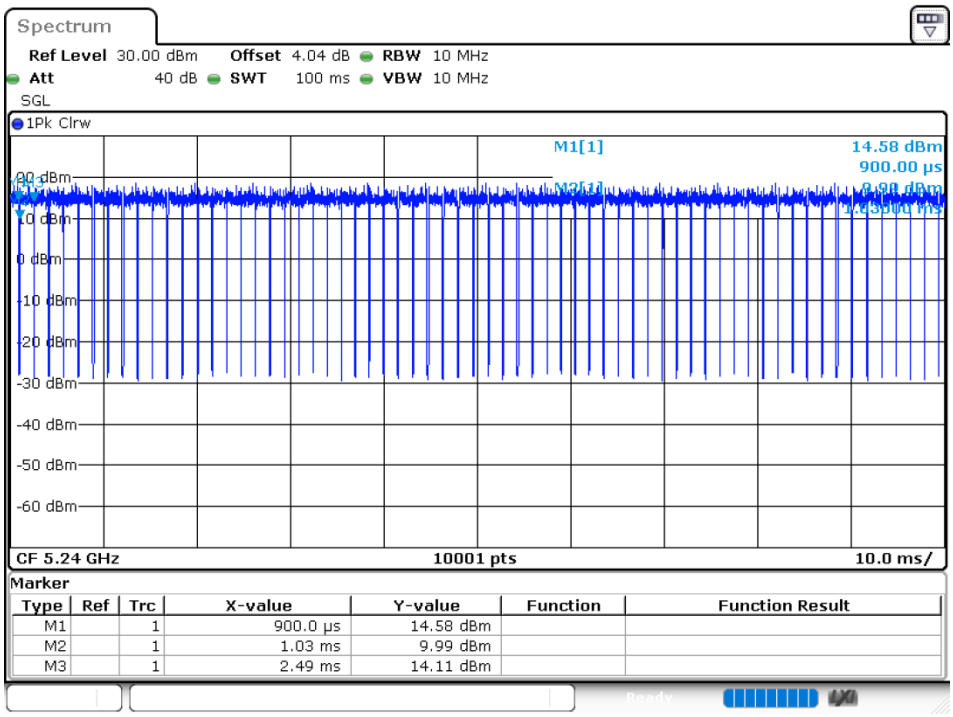
Duty Cycle NVNT ax20 5180MHz Ant1



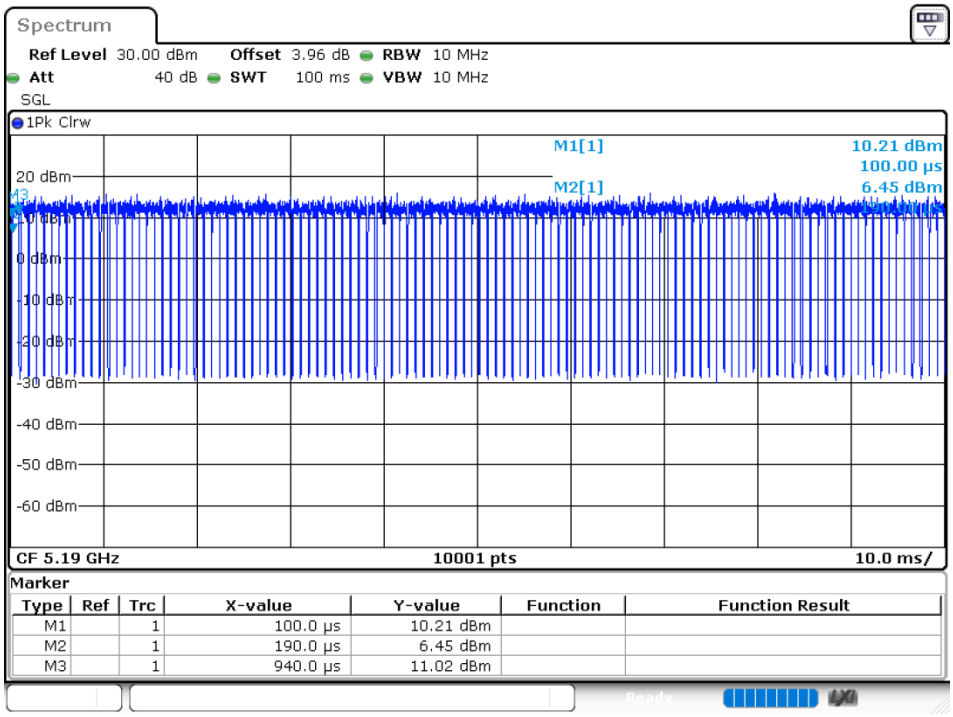
Duty Cycle NVNT ax20 5200MHz Ant1



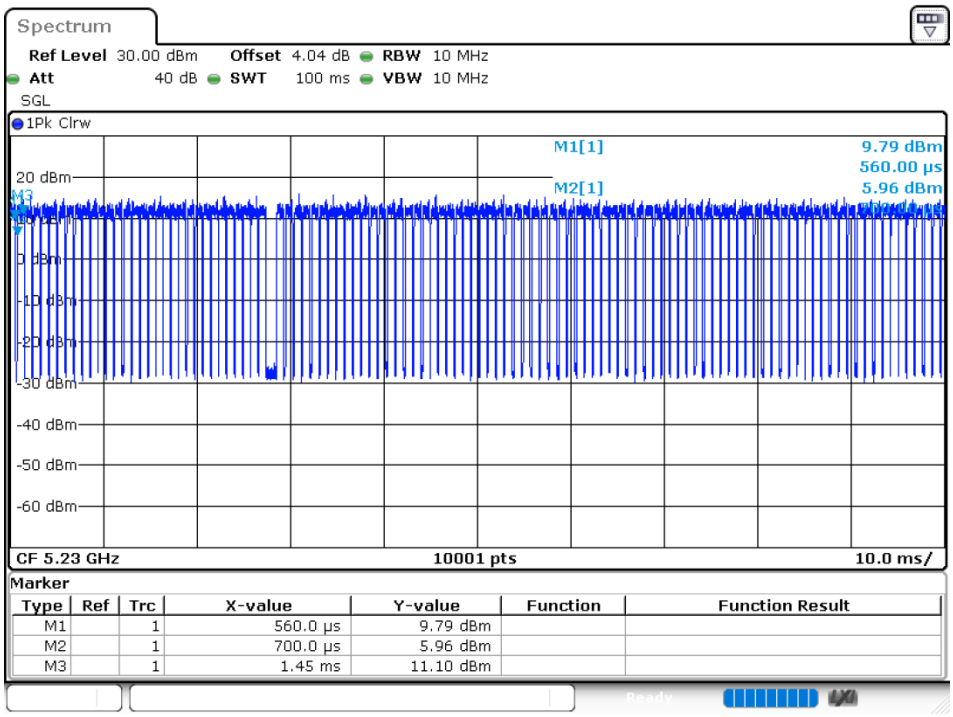
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Maximum Conducted Output Power

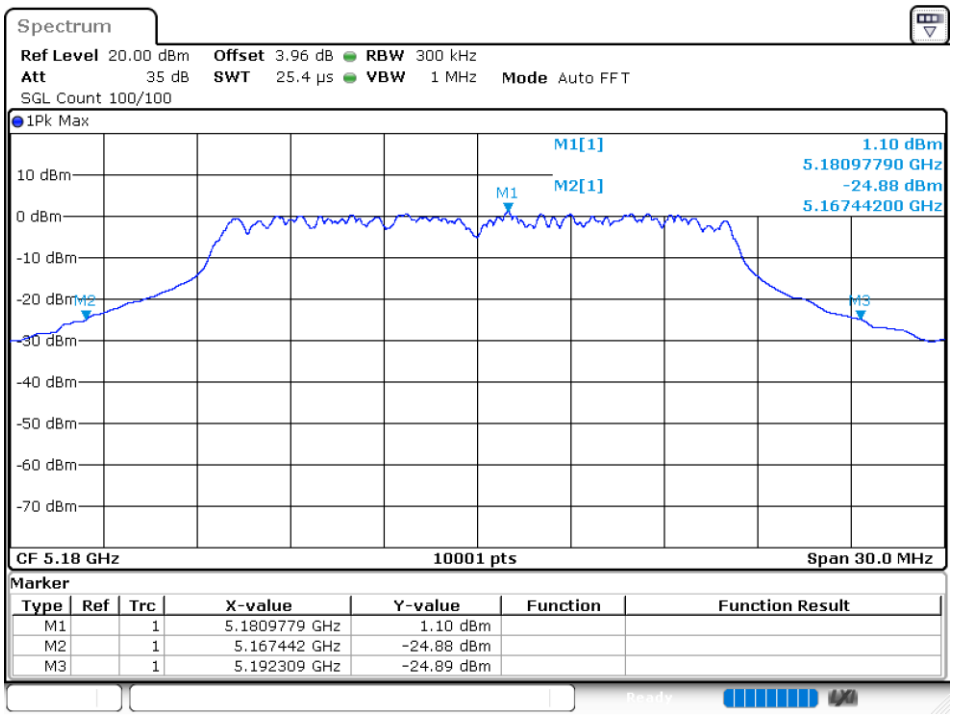
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.73	0.19	11.92	30	Pass
NVNT	a	5200	Ant1	11.67	0.21	11.88	30	Pass
NVNT	a	5240	Ant1	12.02	0.23	12.25	30	Pass
NVNT	n20	5180	Ant1	11.6	0.26	11.86	30	Pass
NVNT	n20	5200	Ant1	11.7	0.37	12.07	30	Pass
NVNT	n20	5240	Ant1	11.93	0.3	12.23	30	Pass
NVNT	n40	5190	Ant1	11.66	0.49	12.15	30	Pass
NVNT	n40	5230	Ant1	11.82	0.43	12.25	30	Pass
NVNT	ac20	5180	Ant1	11.57	0.26	11.83	30	Pass
NVNT	ac20	5200	Ant1	11.74	0.19	11.93	30	Pass
NVNT	ac20	5240	Ant1	11.94	0.16	12.1	30	Pass
NVNT	ac40	5190	Ant1	11.5	0.47	11.97	30	Pass
NVNT	ac40	5230	Ant1	11.77	0.65	12.42	30	Pass
NVNT	ax20	5180	Ant1	11.85	0.27	12.12	30	Pass
NVNT	ax20	5200	Ant1	11.82	0.44	12.26	30	Pass
NVNT	ax20	5240	Ant1	12.08	0.28	12.36	30	Pass
NVNT	ax40	5190	Ant1	11.55	0.52	12.07	30	Pass
NVNT	ax40	5230	Ant1	11.87	0.79	12.66	30	Pass

-26dB Bandwidth

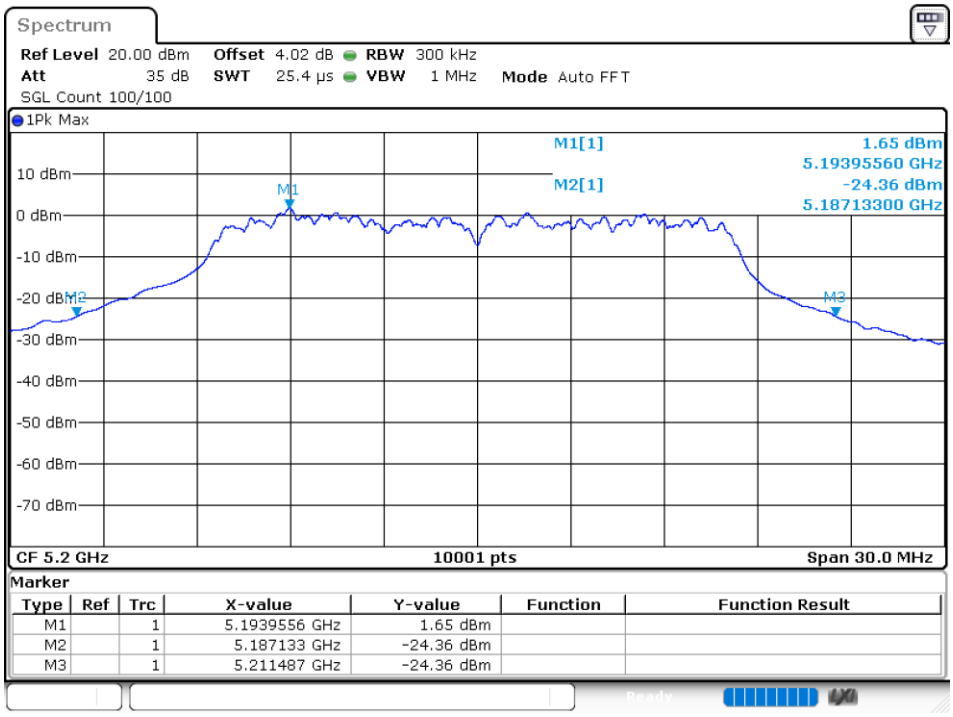
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	24.867	Pass
NVNT	a	5200	Ant1	24.354	Pass
NVNT	a	5240	Ant1	24.333	Pass
NVNT	n20	5180	Ant1	24.69	Pass
NVNT	n20	5200	Ant1	24.198	Pass
NVNT	n20	5240	Ant1	24.807	Pass
NVNT	n40	5190	Ant1	48.198	Pass
NVNT	n40	5230	Ant1	50.046	Pass
NVNT	ac20	5180	Ant1	24.336	Pass
NVNT	ac20	5200	Ant1	24.888	Pass
NVNT	ac20	5240	Ant1	25.245	Pass
NVNT	ac40	5190	Ant1	48.516	Pass
NVNT	ac40	5230	Ant1	50.604	Pass
NVNT	ax20	5180	Ant1	22.416	Pass
NVNT	ax20	5200	Ant1	23.004	Pass
NVNT	ax20	5240	Ant1	23.577	Pass
NVNT	ax40	5190	Ant1	46.824	Pass
NVNT	ax40	5230	Ant1	47.484	Pass

Test Graphs

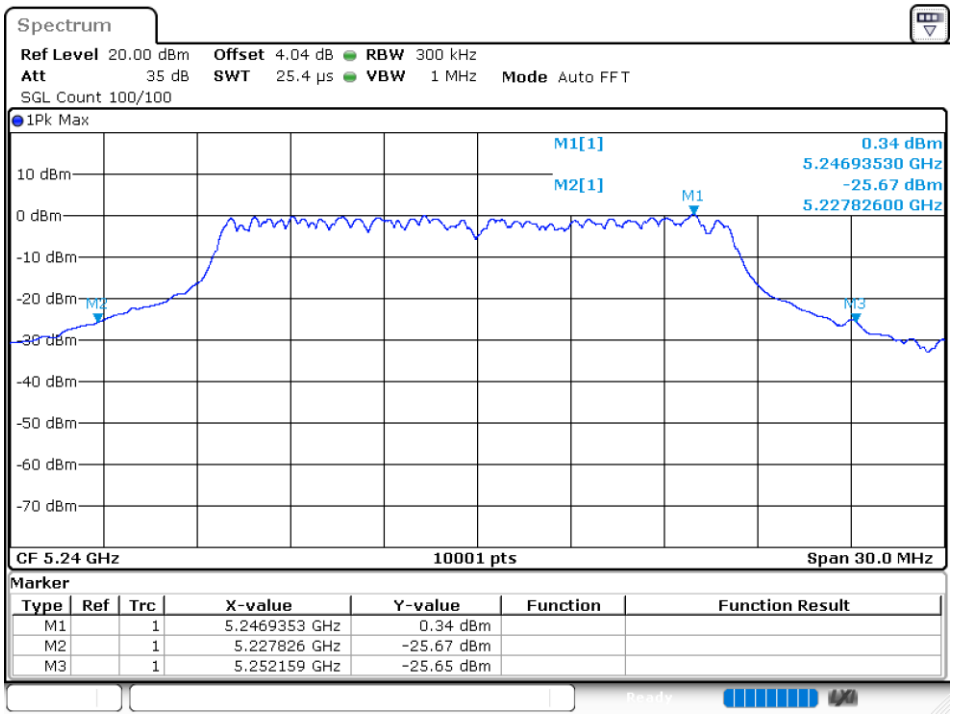
-26dB Bandwidth NVNT a 5180MHz Ant1



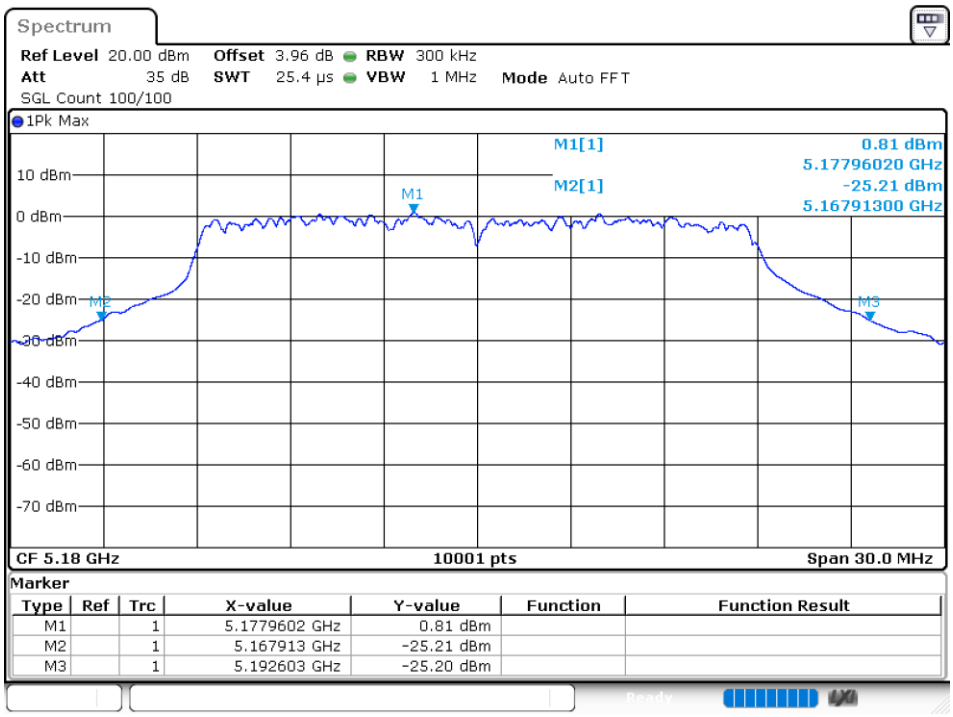
-26dB Bandwidth NVNT a 5200MHz Ant1



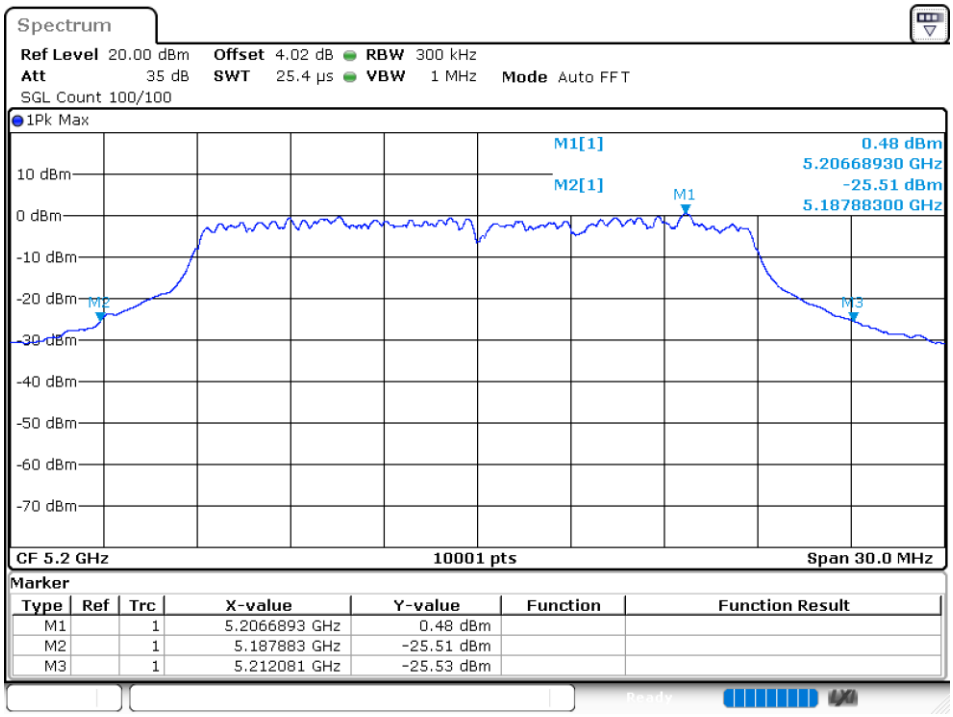
-26dB Bandwidth NVNT a 5240MHz Ant1



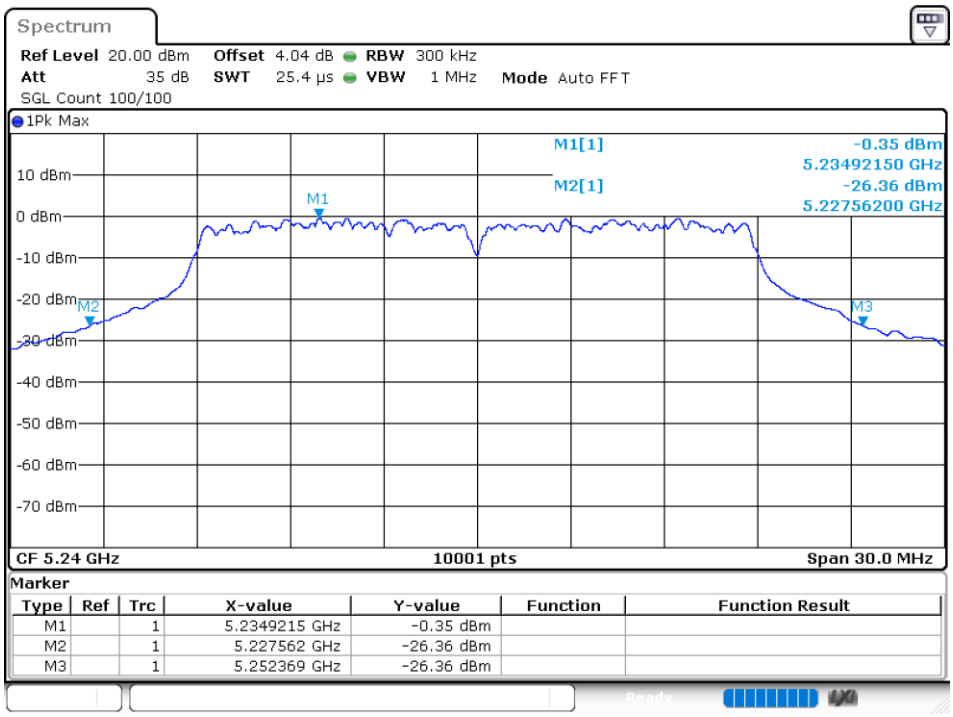
-26dB Bandwidth NVNT n20 5180MHz Ant1



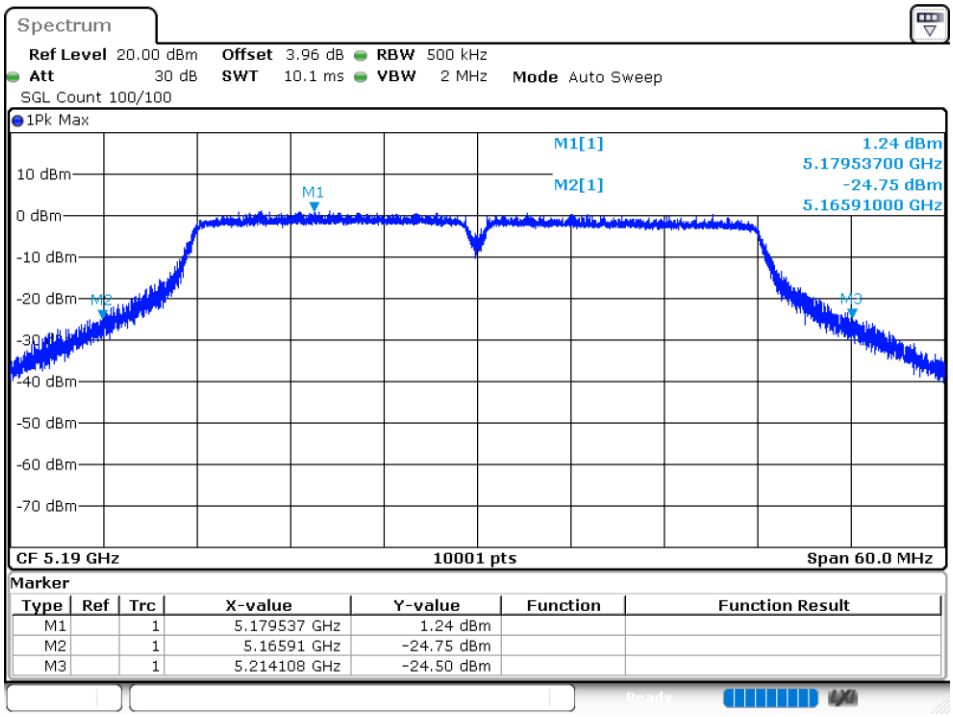
-26dB Bandwidth NVNT n20 5200MHz Ant1



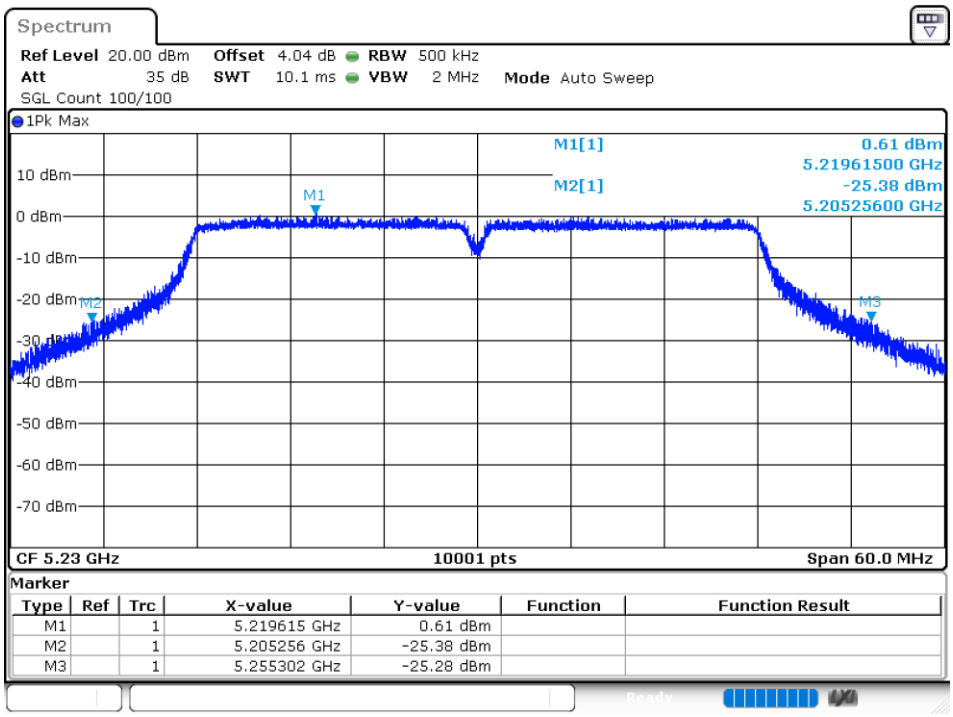
-26dB Bandwidth NVNT n20 5240MHz Ant1



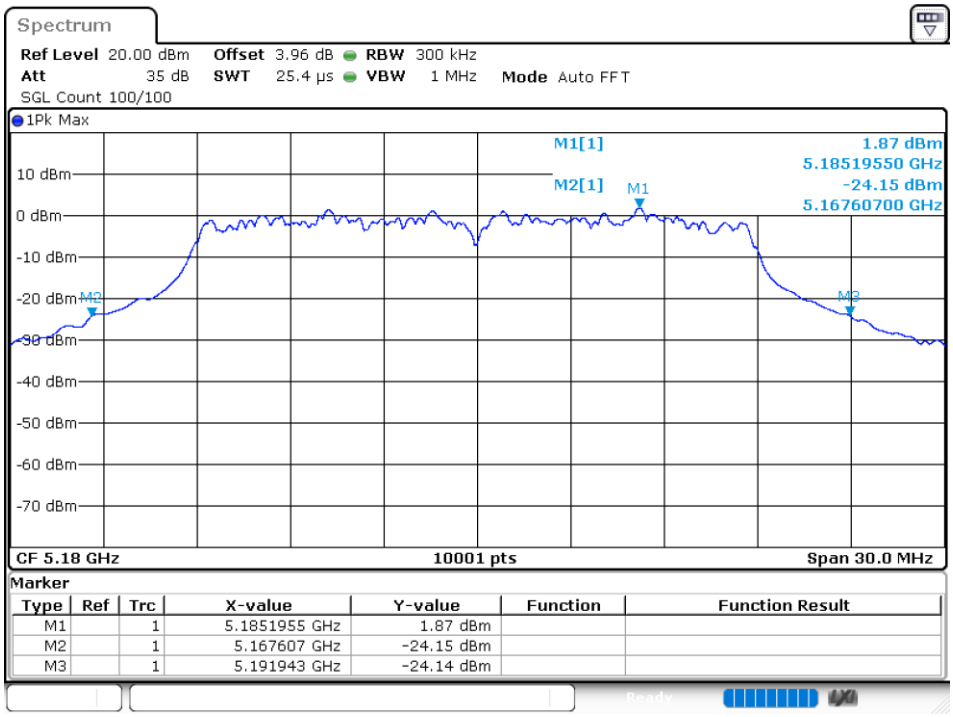
-26dB Bandwidth NVNT n40 5190MHz Ant1



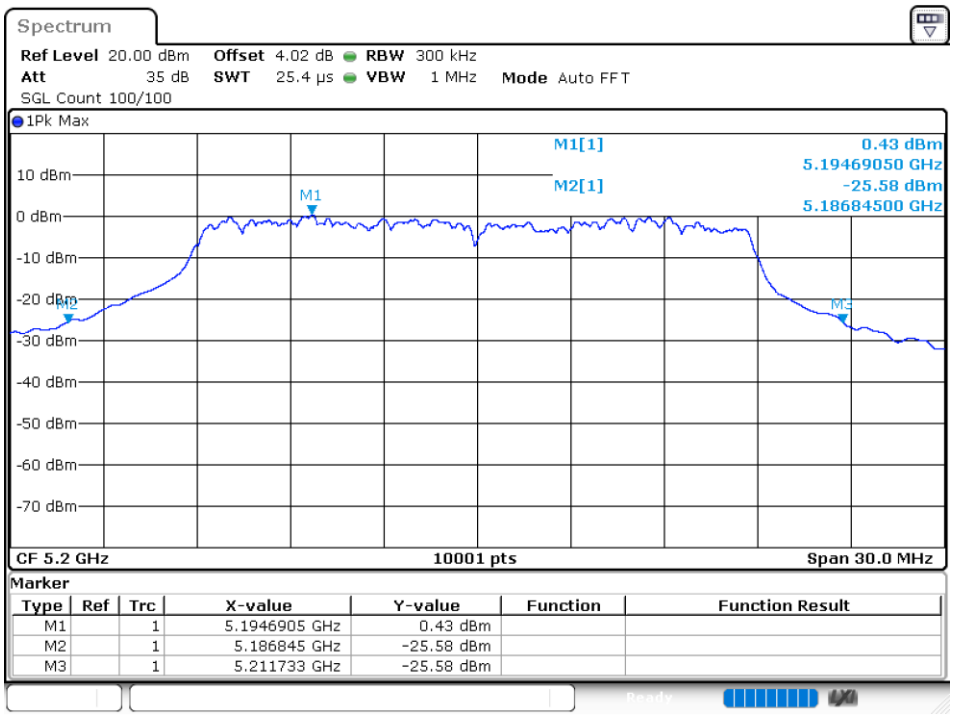
-26dB Bandwidth NVNT n40 5230MHz Ant1



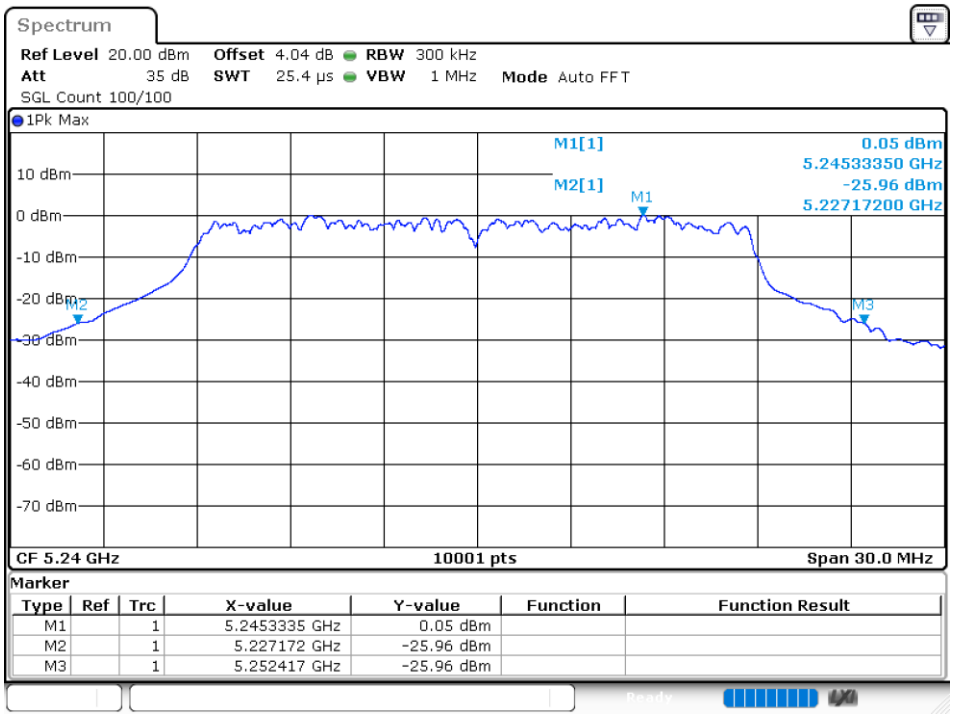
-26dB Bandwidth NVNT ac20 5180MHz Ant1



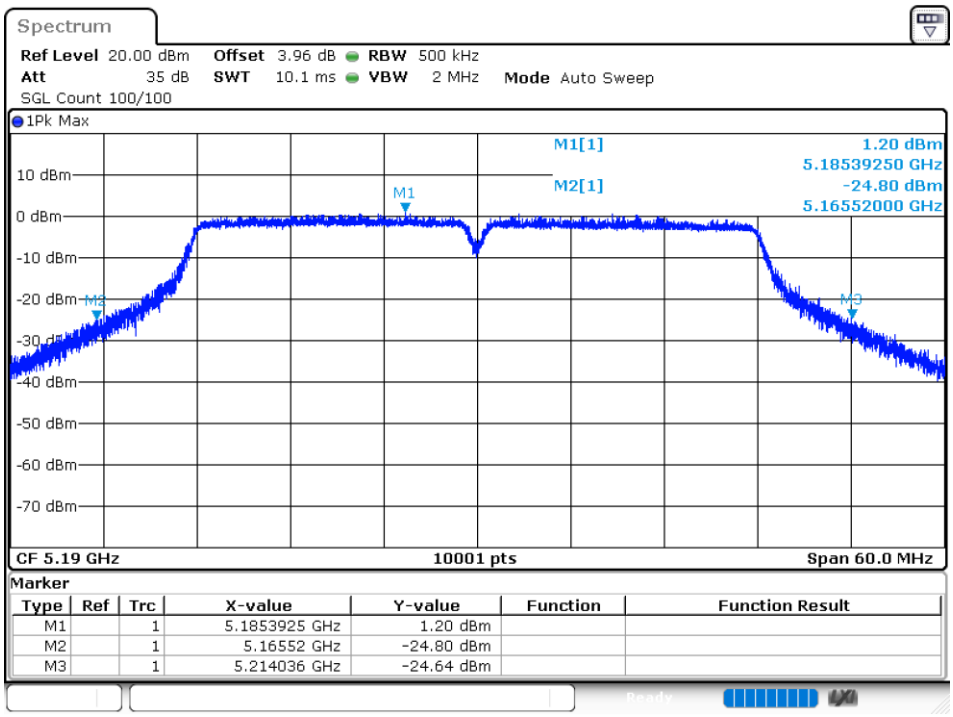
-26dB Bandwidth NVNT ac20 5200MHz Ant1



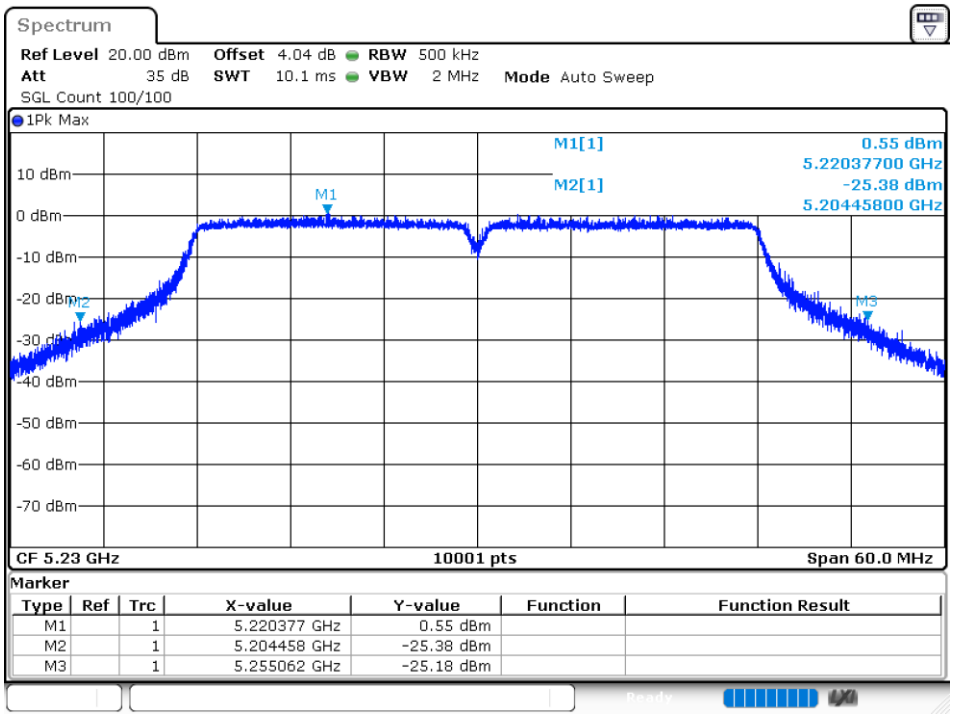
-26dB Bandwidth NVNT ac20 5240MHz Ant1



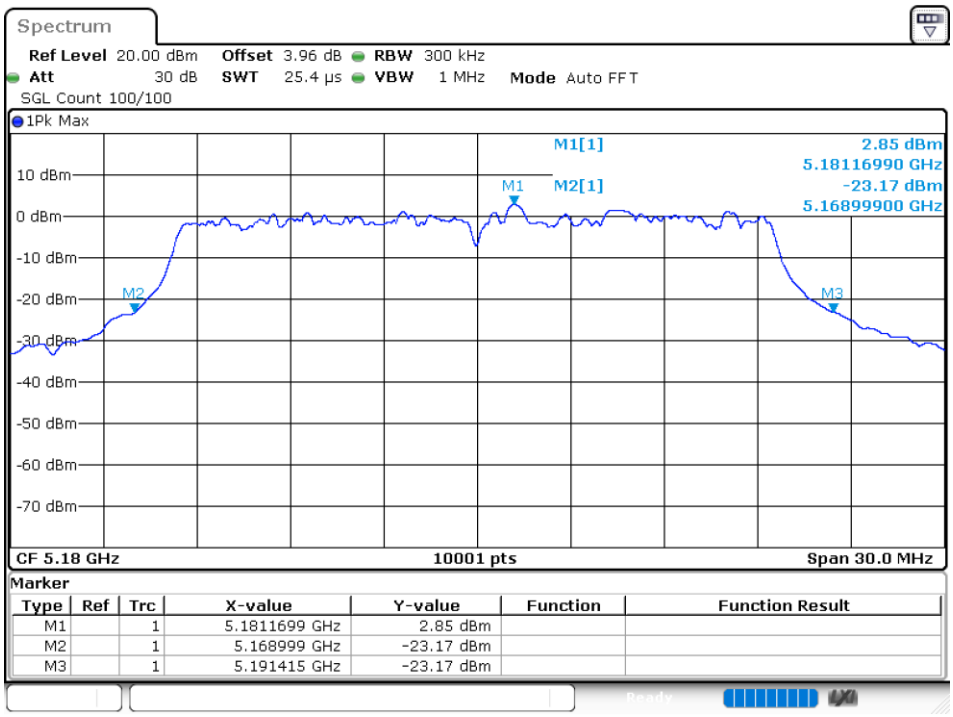
-26dB Bandwidth NVNT ac40 5190MHz Ant1



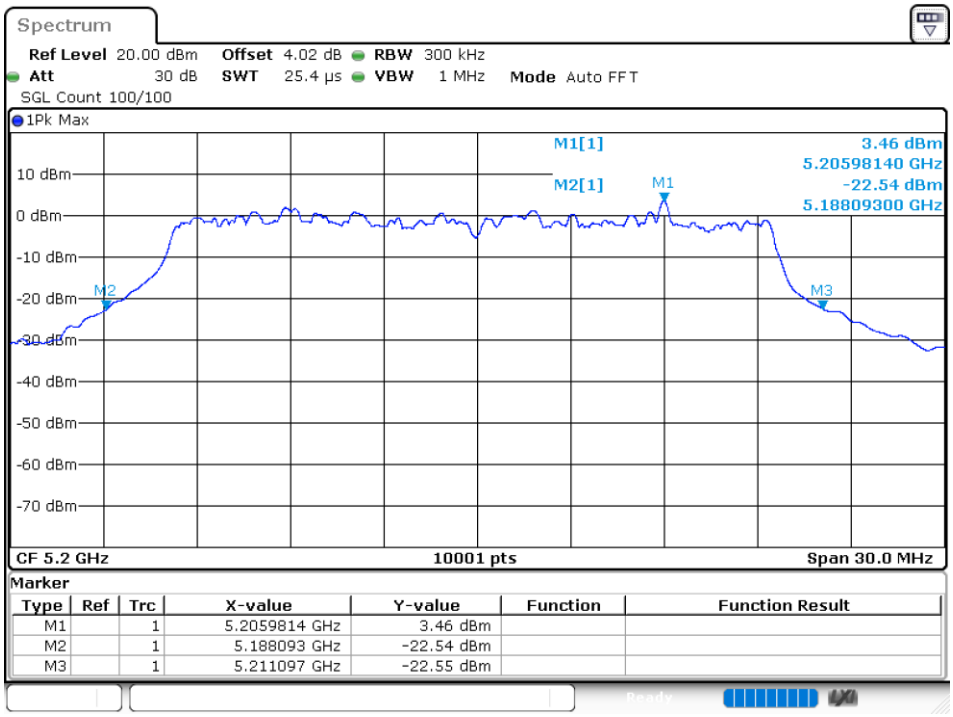
-26dB Bandwidth NVNT ac40 5230MHz Ant1



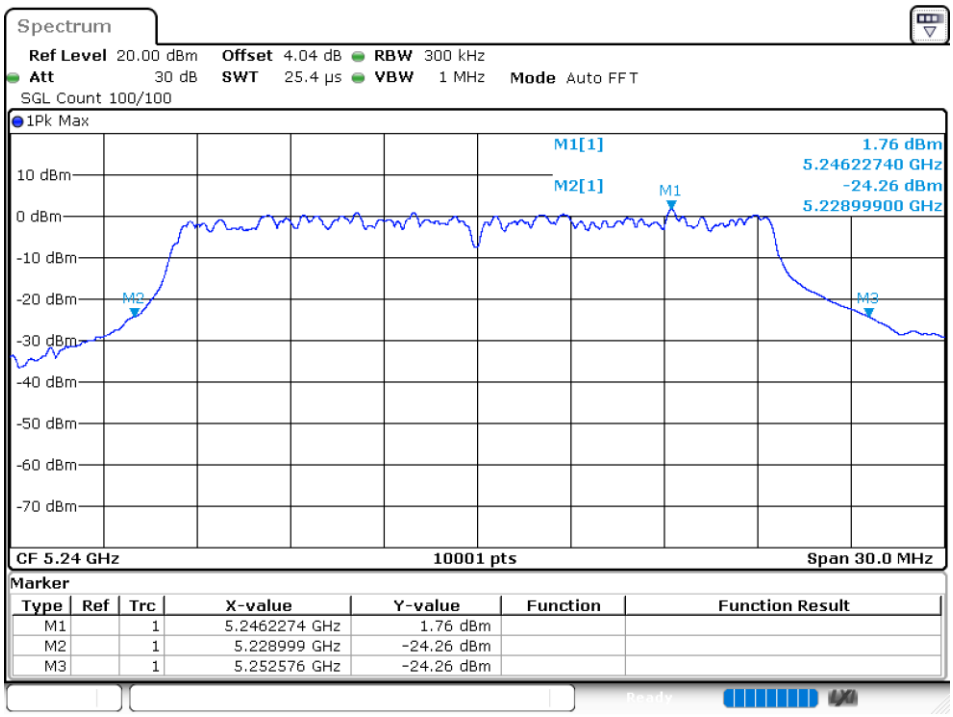
-26dB Bandwidth NVNT ax20 5180MHz Ant1



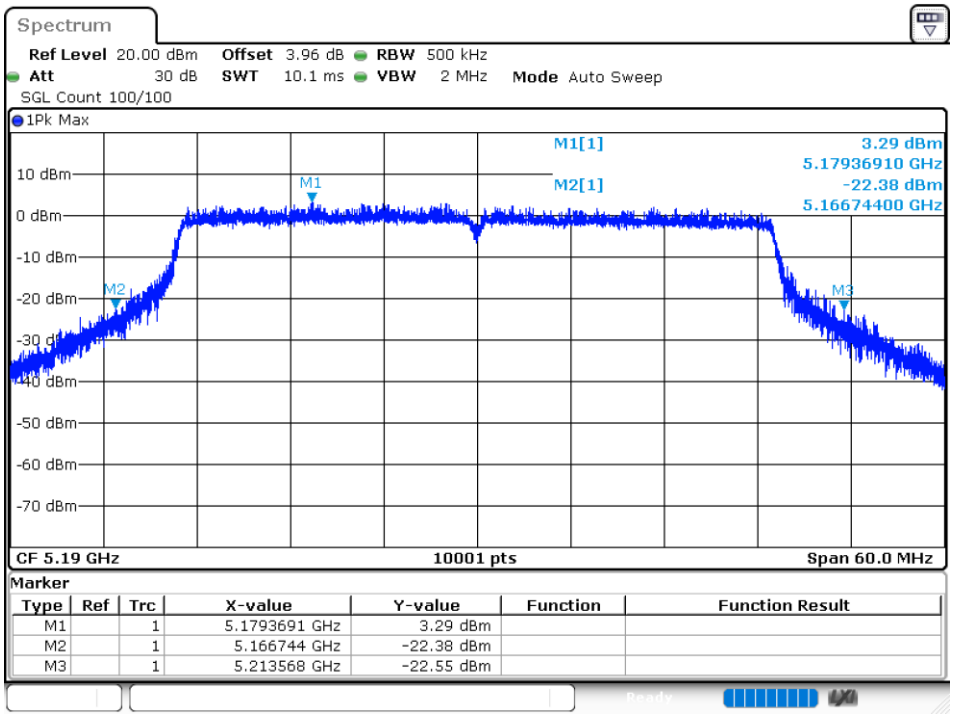
-26dB Bandwidth NVNT ax20 5200MHz Ant1



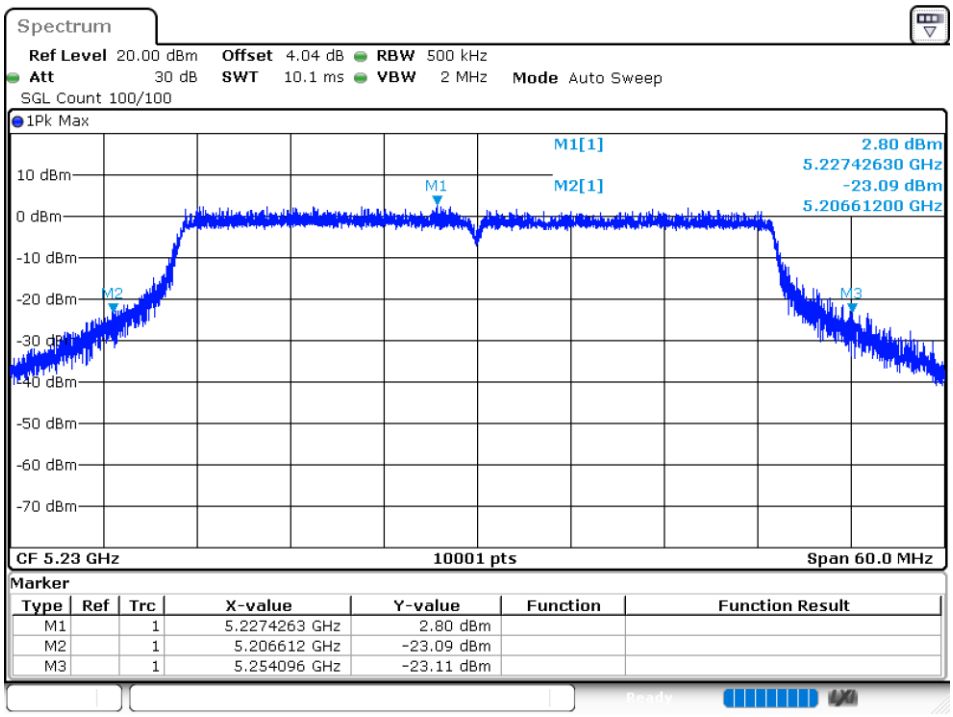
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1

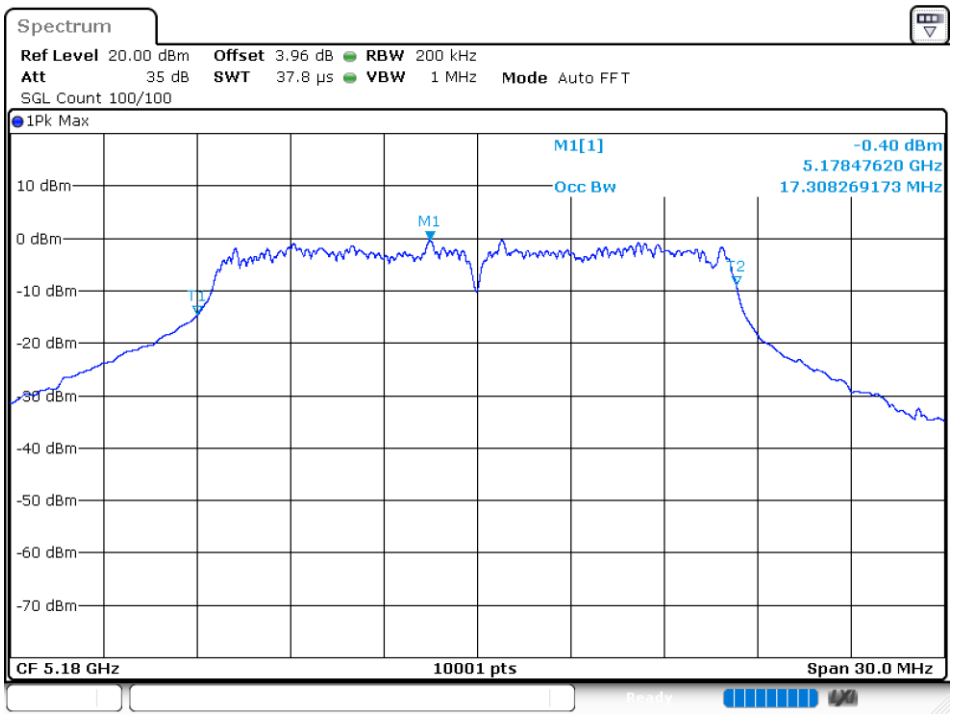


Occupied Channel Bandwidth

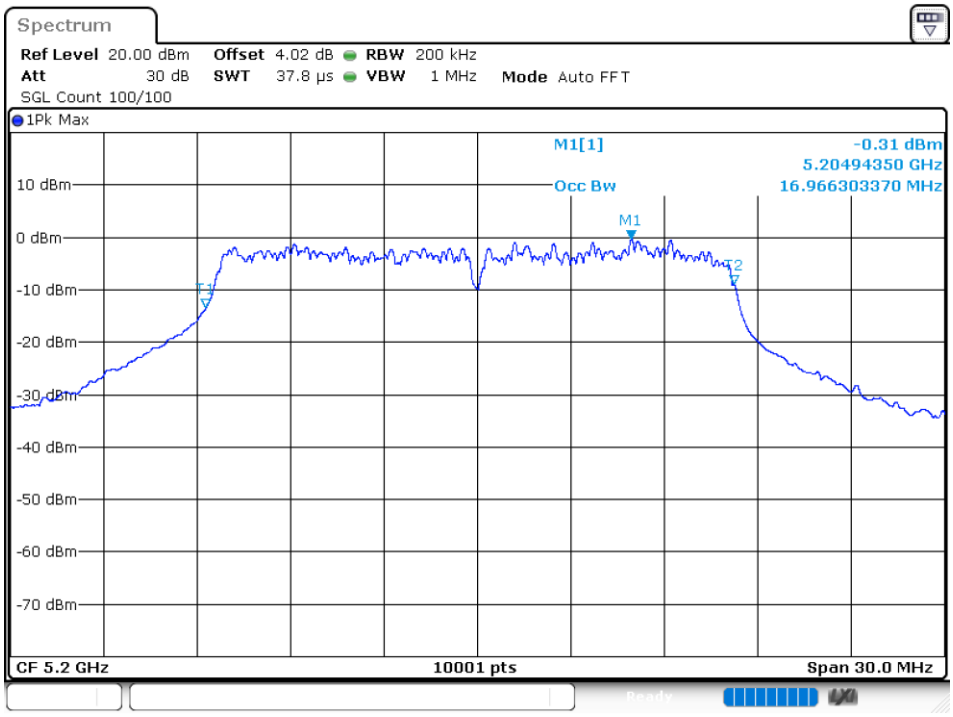
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	17.308
NVNT	a	5200	Ant1	16.966
NVNT	a	5240	Ant1	16.681
NVNT	n20	5180	Ant1	18.157
NVNT	n20	5200	Ant1	18.016
NVNT	n20	5240	Ant1	17.827
NVNT	n40	5190	Ant1	36.734
NVNT	n40	5230	Ant1	36.866
NVNT	ac20	5180	Ant1	17.935
NVNT	ac20	5200	Ant1	18.163
NVNT	ac20	5240	Ant1	18.076
NVNT	ac40	5190	Ant1	36.764
NVNT	ac40	5230	Ant1	36.83
NVNT	ax20	5180	Ant1	19.351
NVNT	ax20	5200	Ant1	19.078
NVNT	ax20	5240	Ant1	19.537
NVNT	ax40	5190	Ant1	38.012
NVNT	ax40	5230	Ant1	38.042

Test Graphs

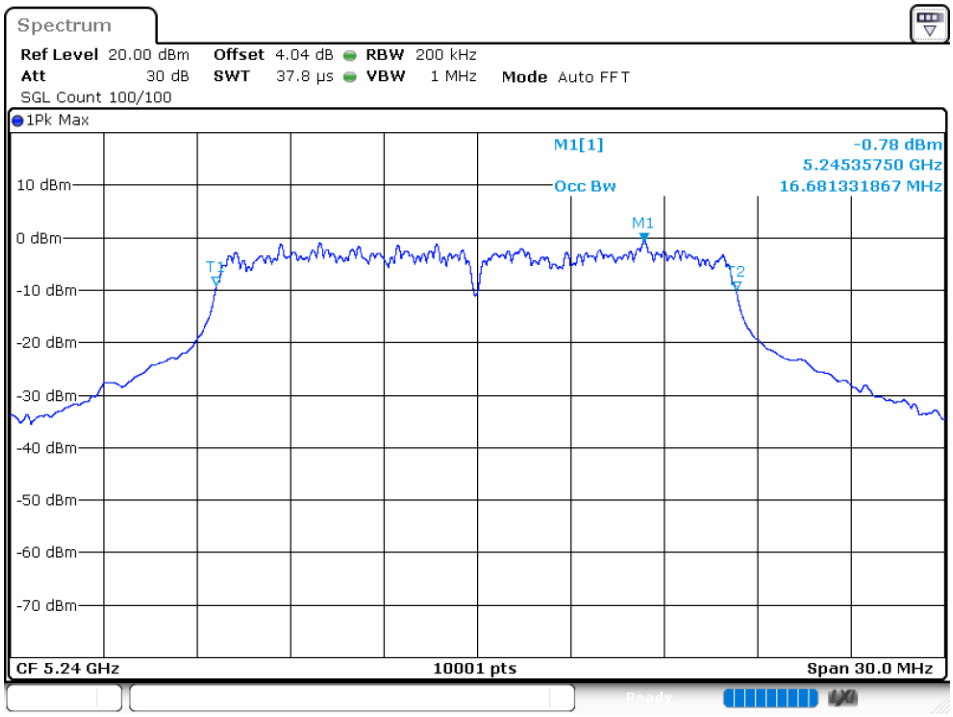
OBW NVNT a 5180MHz Ant1



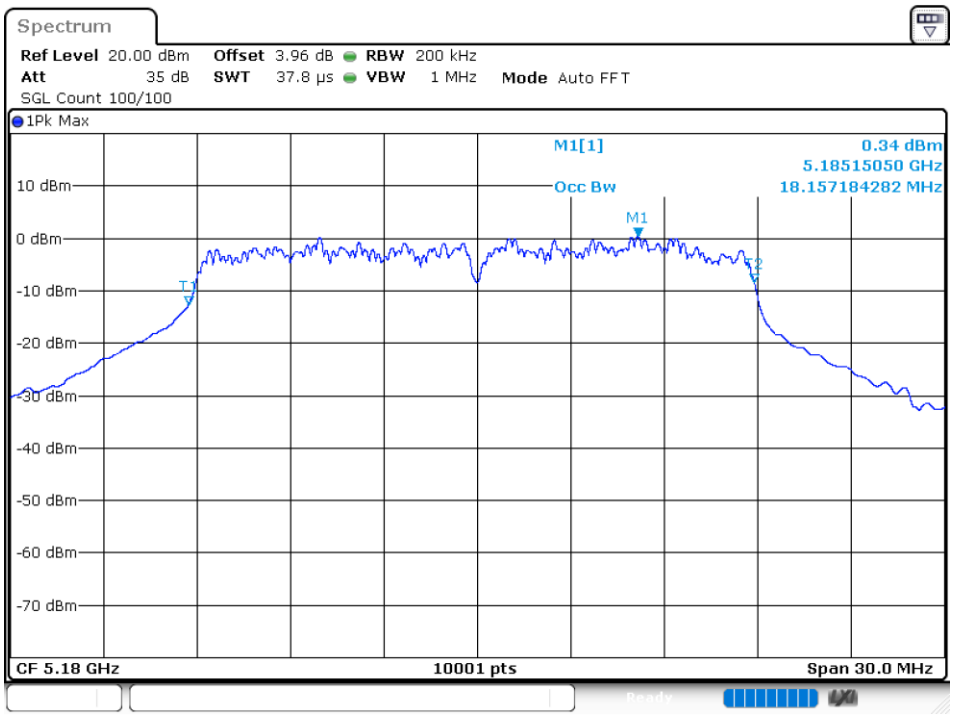
OBW NVNT a 5200MHz Ant1



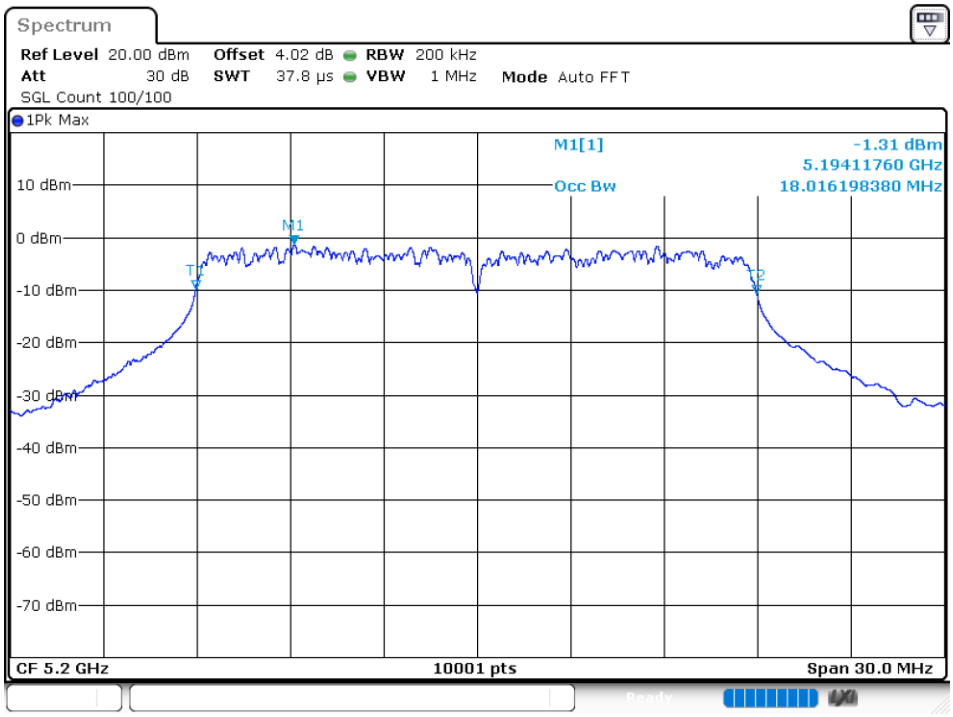
OBW NVNT a 5240MHz Ant1



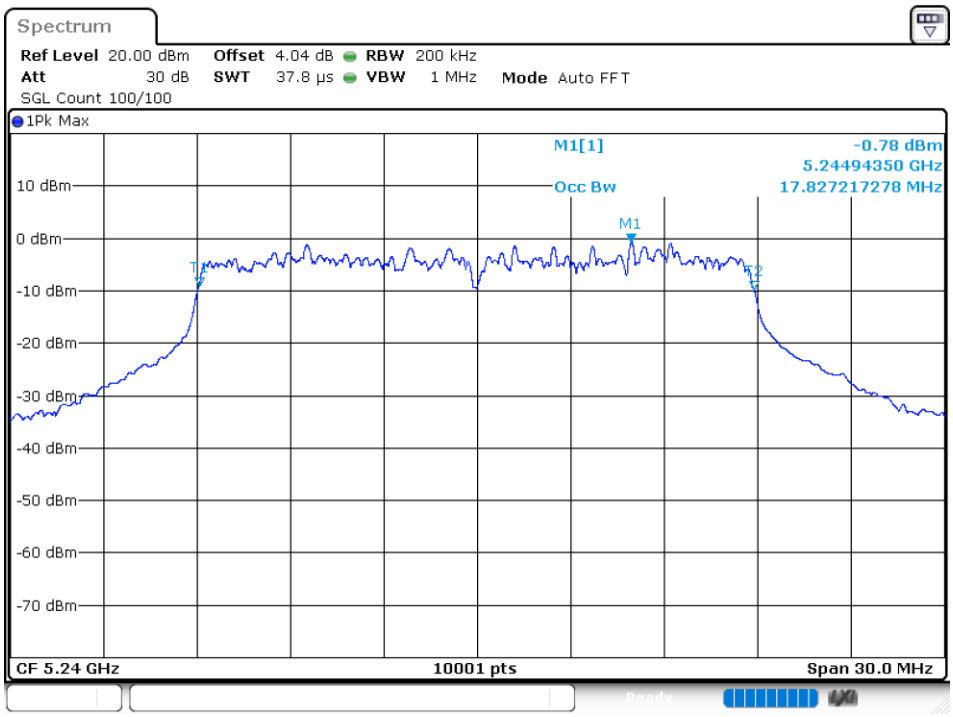
OBW NVNT n20 5180MHz Ant1



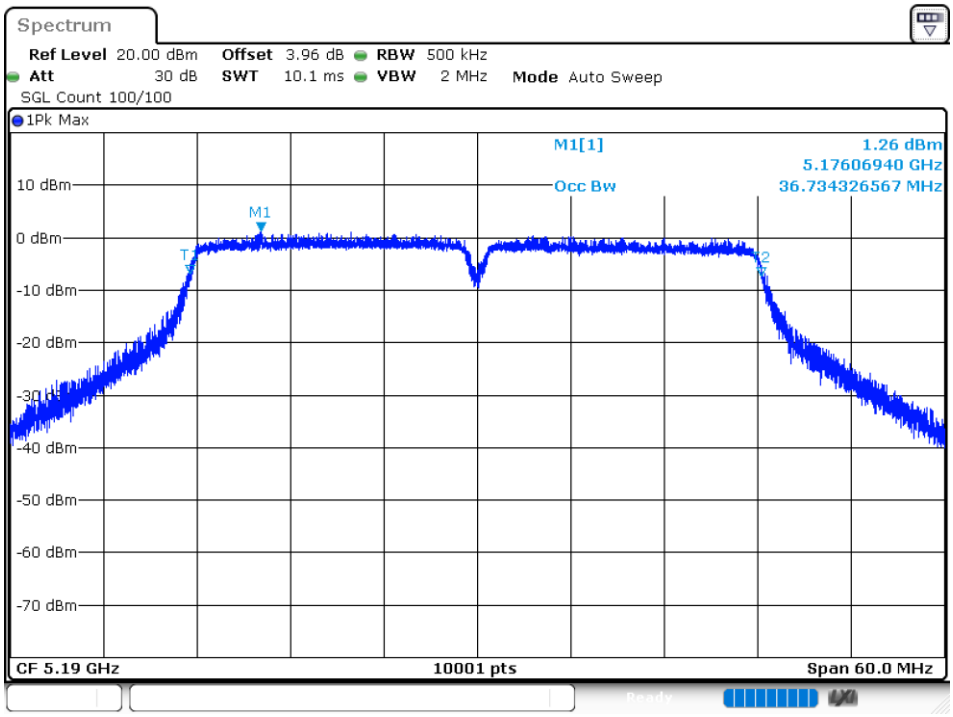
OBW NVNT n20 5200MHz Ant1



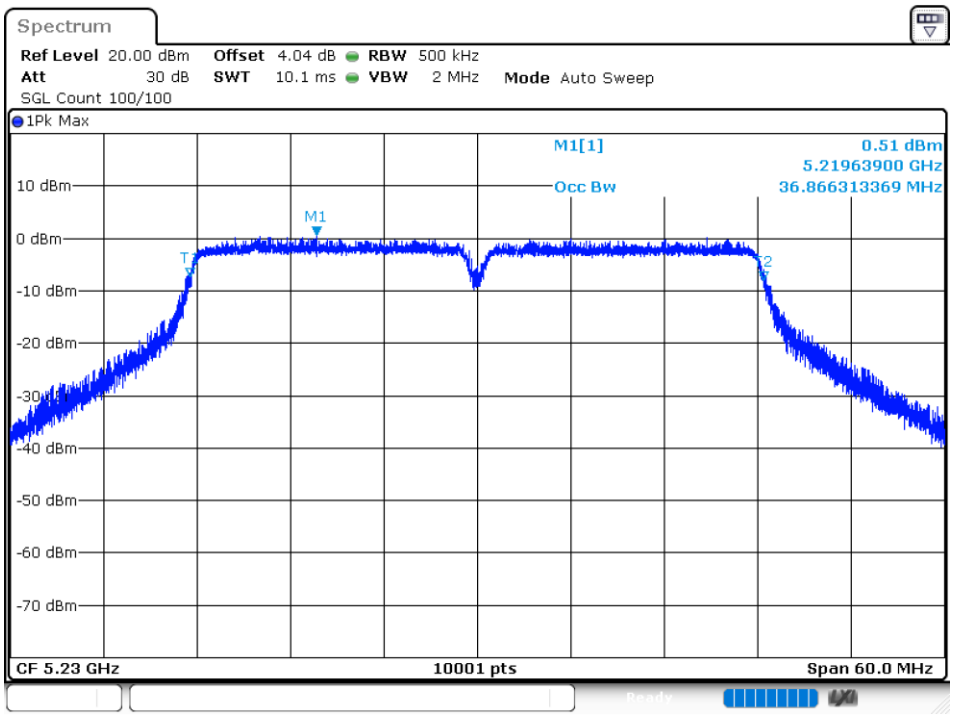
OBW NVNT n20 5240MHz Ant1



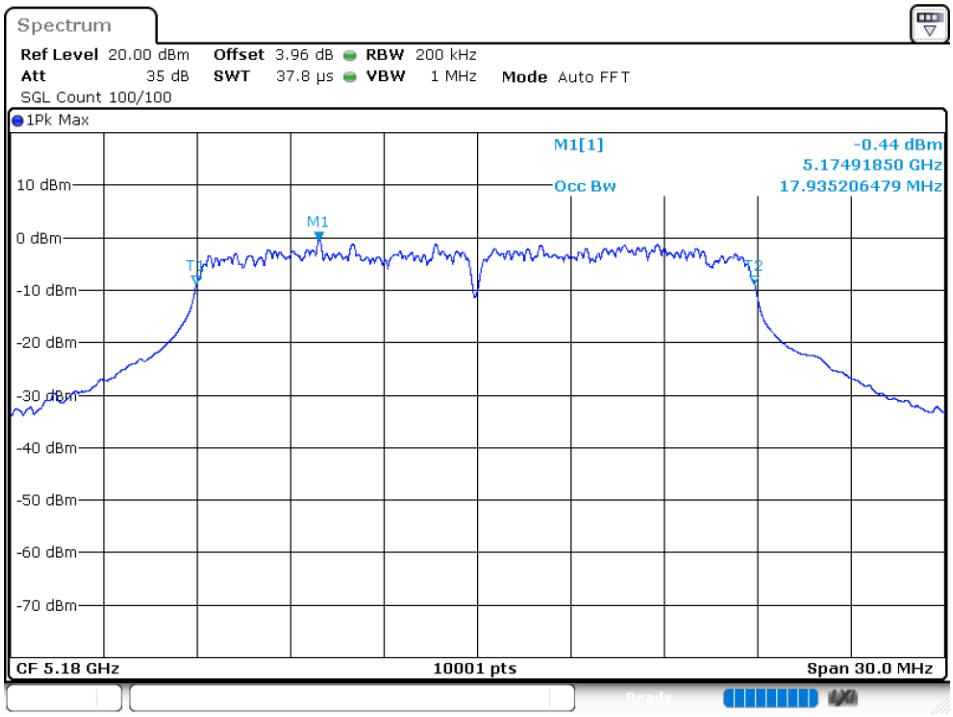
OBW NVNT n40 5190MHz Ant1



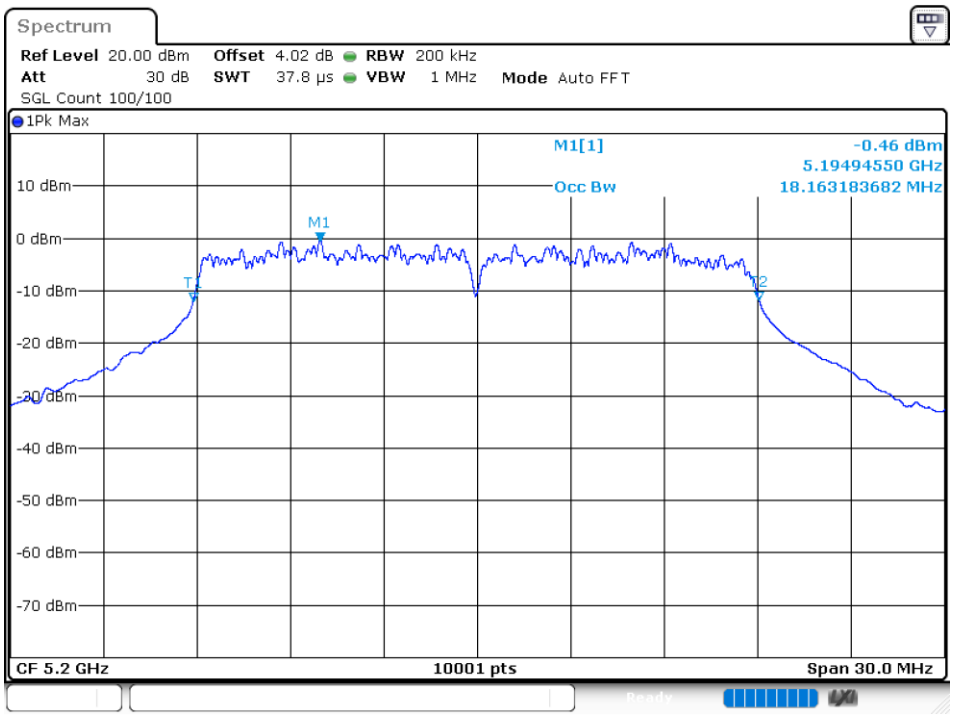
OBW NVNT n40 5230MHz Ant1



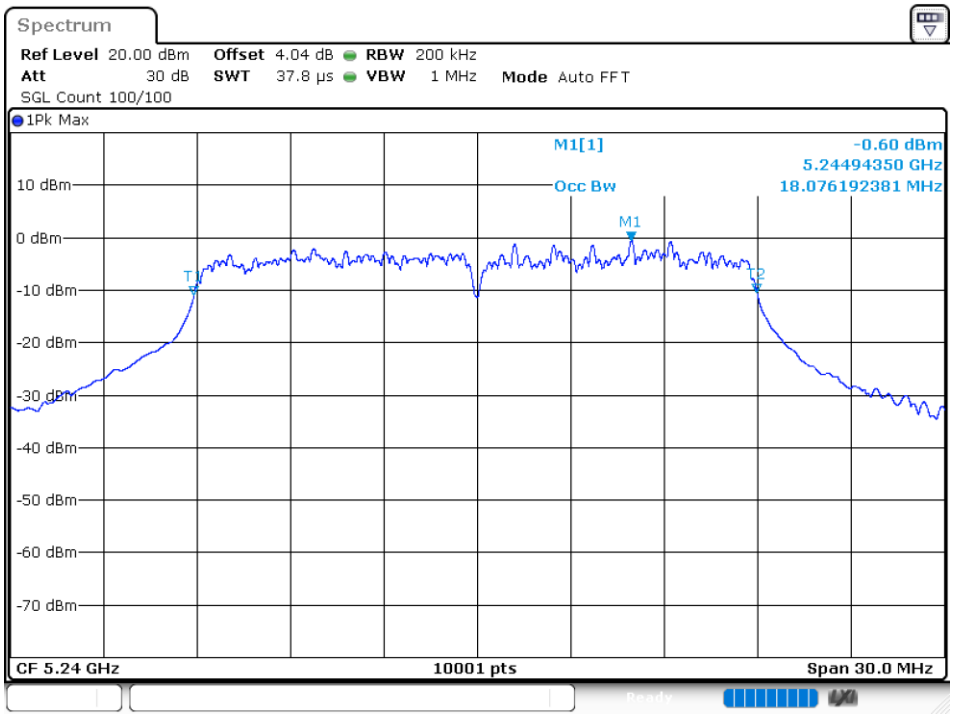
OBW NVNT ac20 5180MHz Ant1



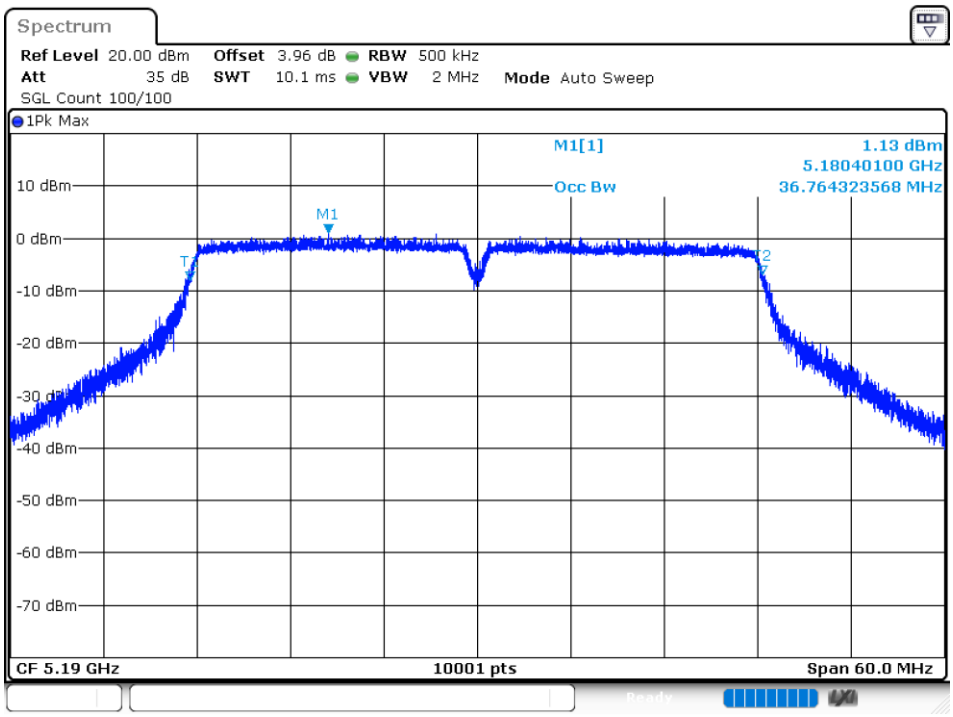
OBW NVNT ac20 5200MHz Ant1



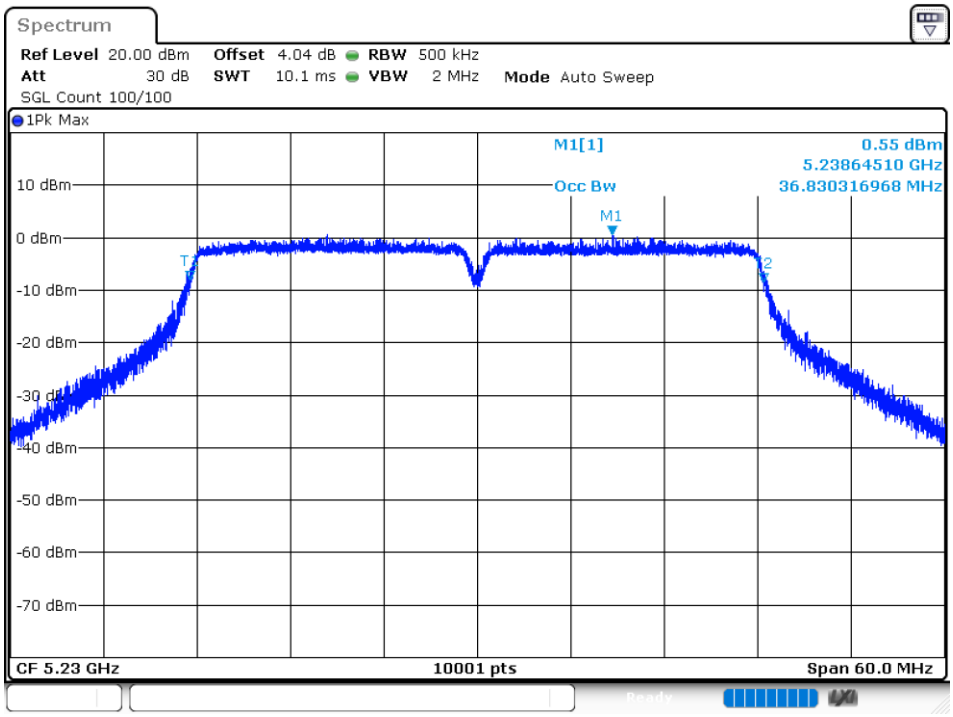
OBW NVNT ac20 5240MHz Ant1



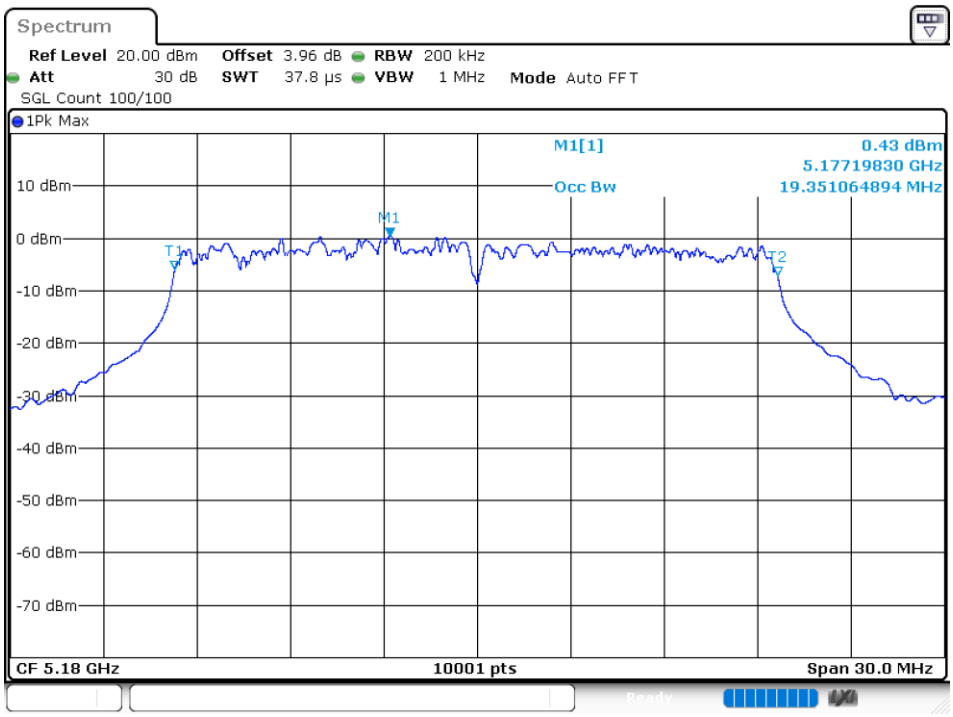
OBW NVNT ac40 5190MHz Ant1



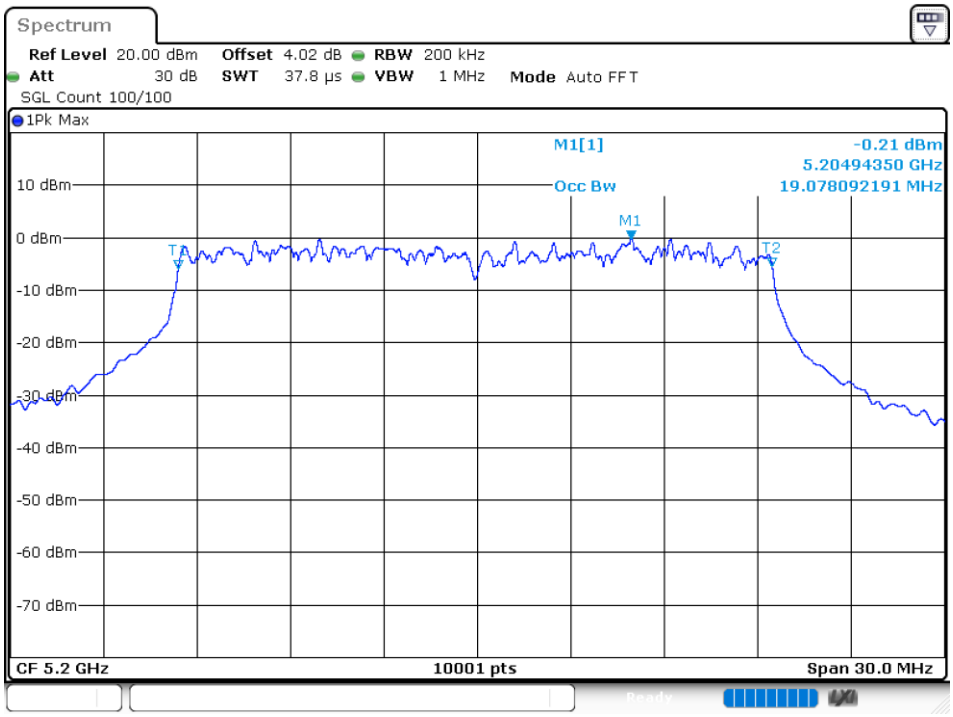
OBW NVNT ac40 5230MHz Ant1



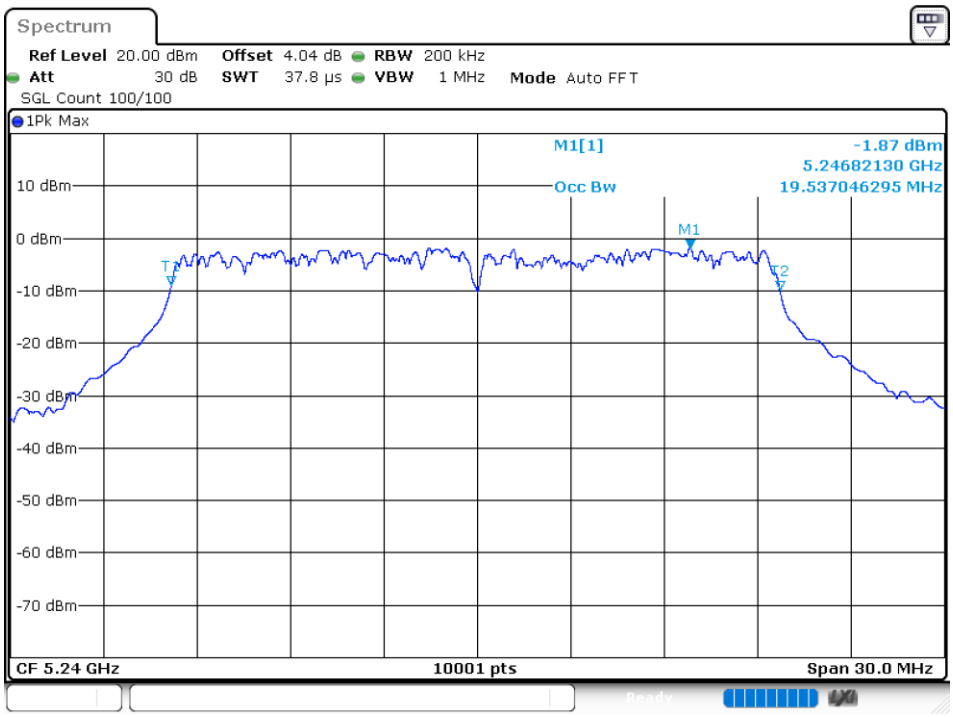
OBW NVNT ax20 5180MHz Ant1



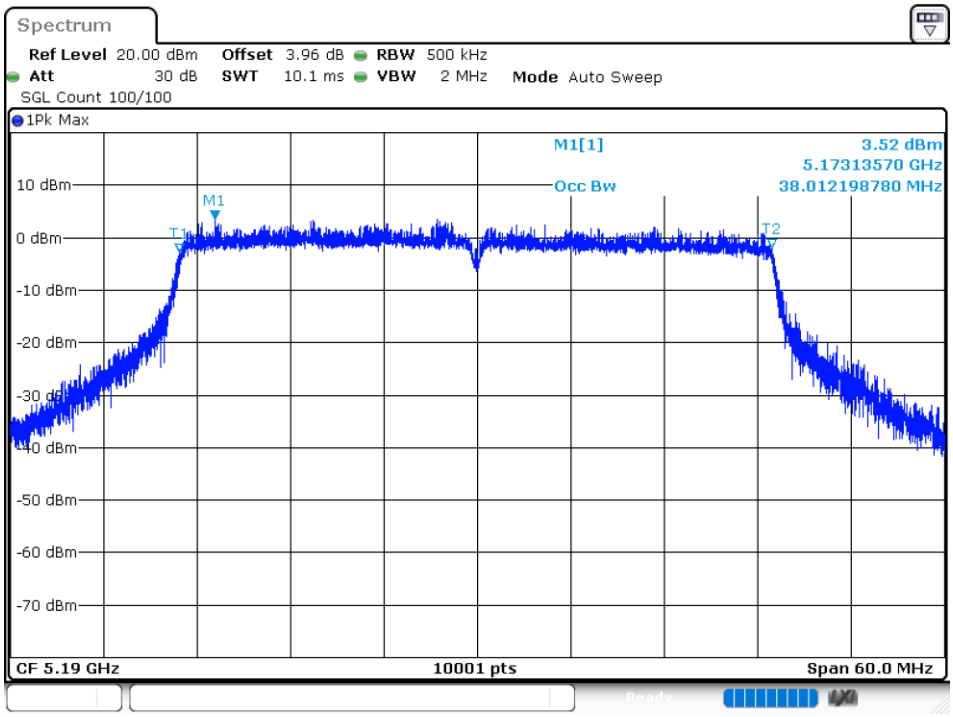
OBW NVNT ax20 5200MHz Ant1



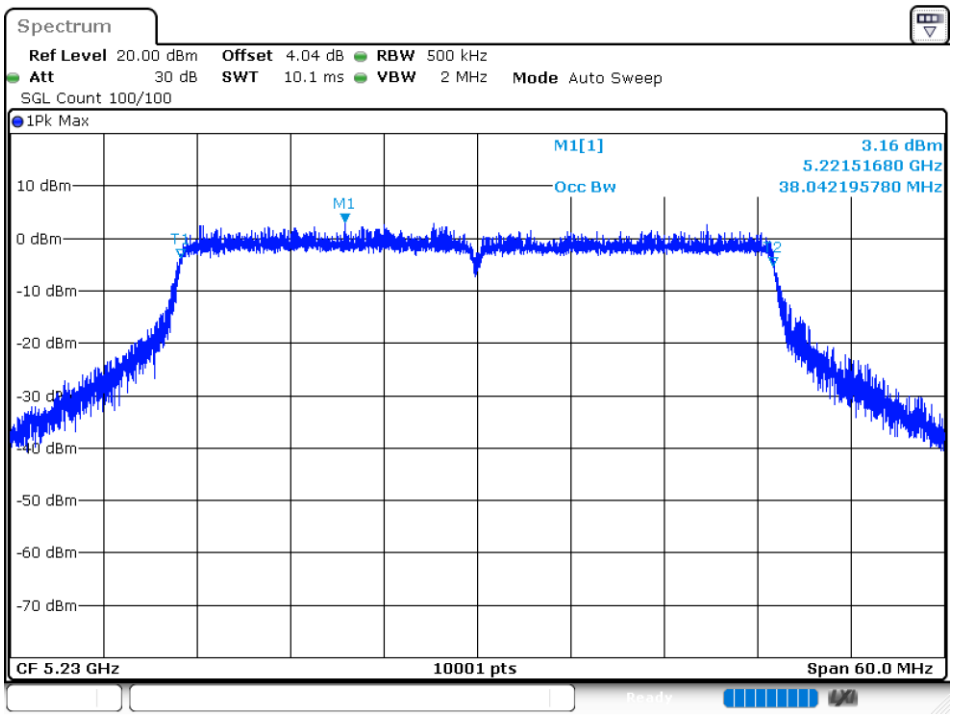
OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



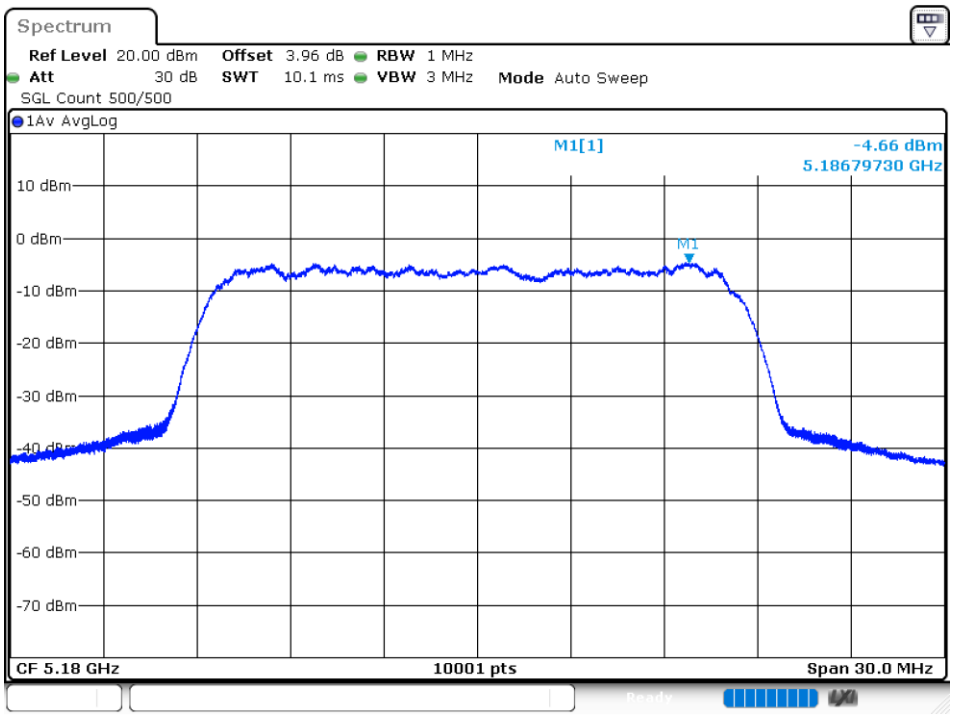
OBW NVNT ax40 5230MHz Ant1



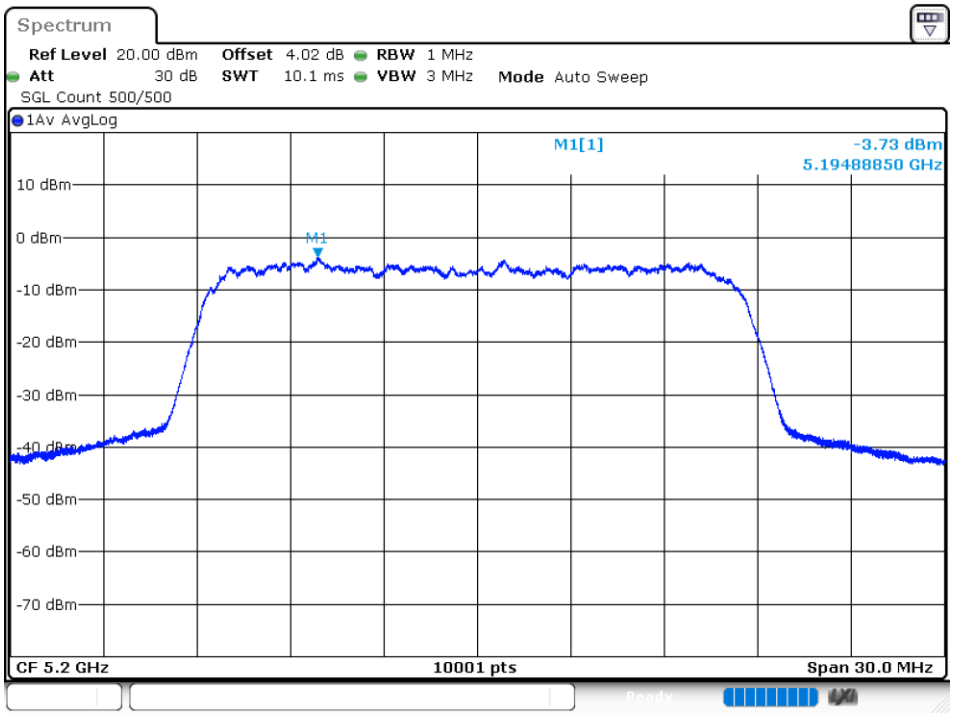
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-4.66	0.19	-4.47	11	Pass
NVNT	a	5200	Ant1	-3.73	0.21	-3.52	11	Pass
NVNT	a	5240	Ant1	-5.19	0.23	-4.96	11	Pass
NVNT	n20	5180	Ant1	-4.96	0.26	-4.7	11	Pass
NVNT	n20	5200	Ant1	-5.17	0.37	-4.8	11	Pass
NVNT	n20	5240	Ant1	-5.16	0.3	-4.86	11	Pass
NVNT	n40	5190	Ant1	-13.12	1.08	-12.04	11	Pass
NVNT	n40	5230	Ant1	-8.21	0.43	-7.78	11	Pass
NVNT	ac20	5180	Ant1	-4.64	0.26	-4.38	11	Pass
NVNT	ac20	5200	Ant1	-5.14	0.88	-4.26	11	Pass
NVNT	ac20	5240	Ant1	-4.01	0.16	-3.85	11	Pass
NVNT	ac40	5190	Ant1	-11.01	0.47	-10.54	11	Pass
NVNT	ac40	5230	Ant1	-10.55	0.65	-9.9	11	Pass
NVNT	ax20	5180	Ant1	-5.81	0.27	-5.54	11	Pass
NVNT	ax20	5200	Ant1	-5.86	0.44	-5.42	11	Pass
NVNT	ax20	5240	Ant1	-5.85	0.28	-5.57	11	Pass
NVNT	ax40	5190	Ant1	-8.17	0.52	-7.65	11	Pass
NVNT	ax40	5230	Ant1	-10.78	0.79	-9.99	11	Pass

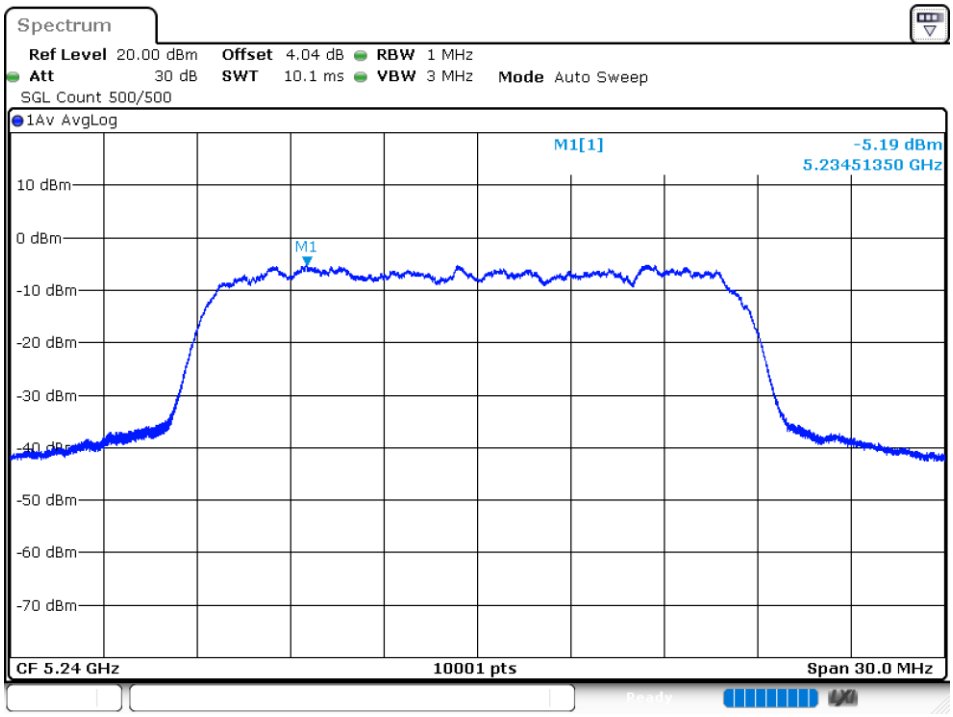
Test Graphs
PSD NVNT a 5180MHz Ant1



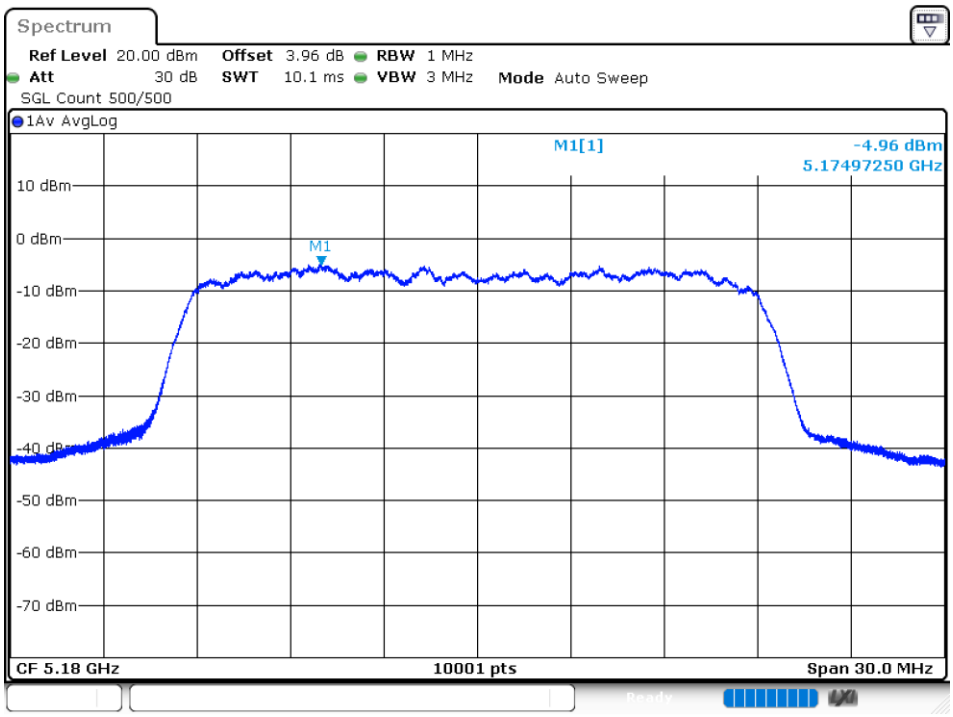
PSD NVNT a 5200MHz Ant1



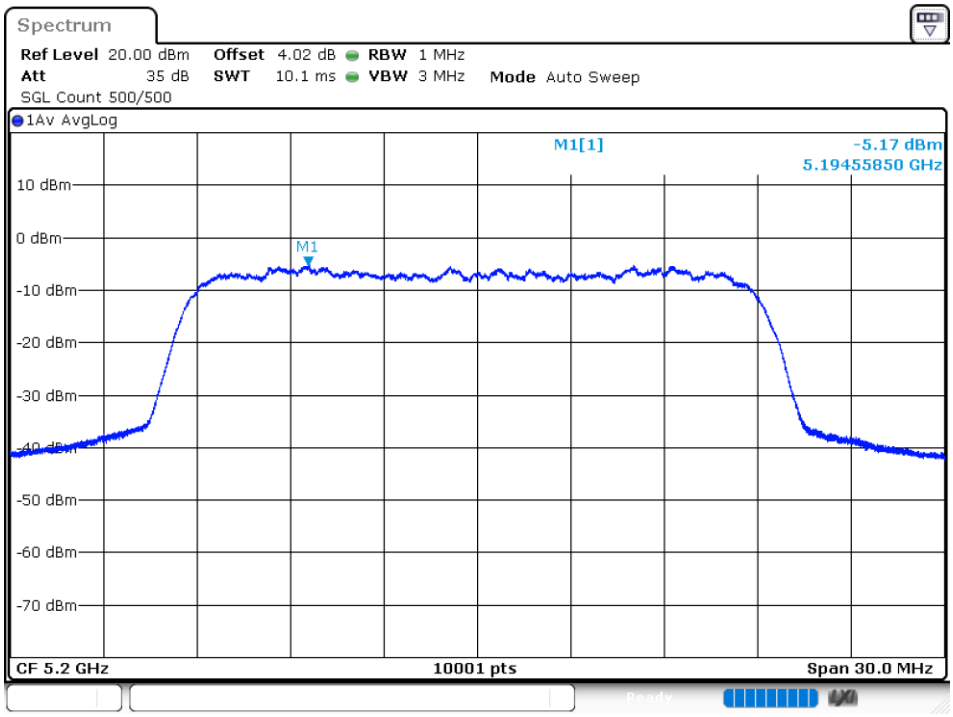
PSD NVNT a 5240MHz Ant1



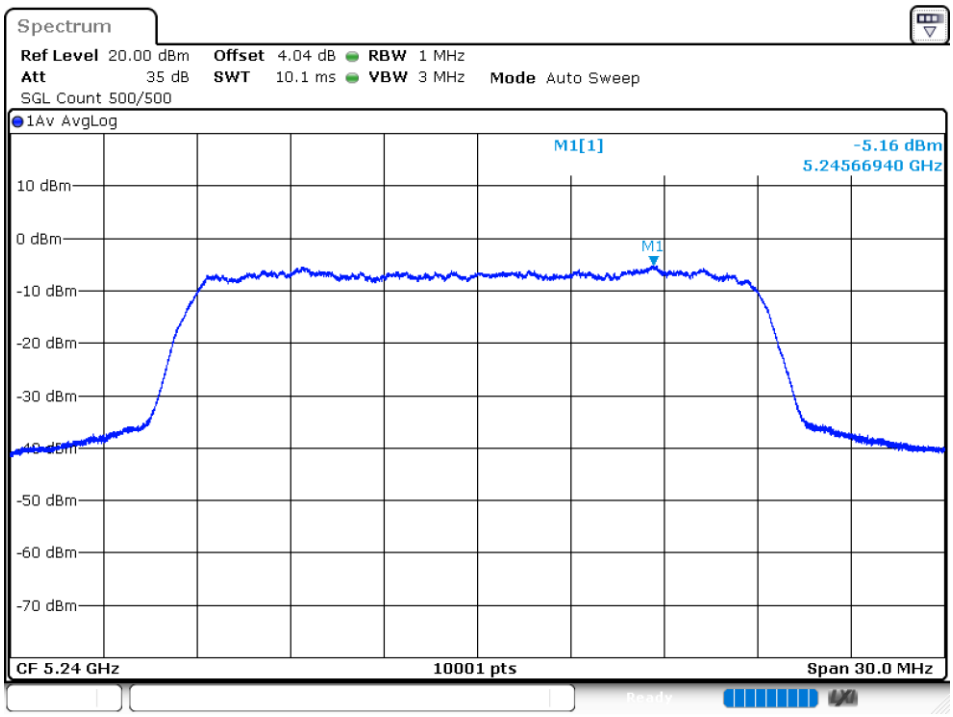
PSD NVNT n20 5180MHz Ant1



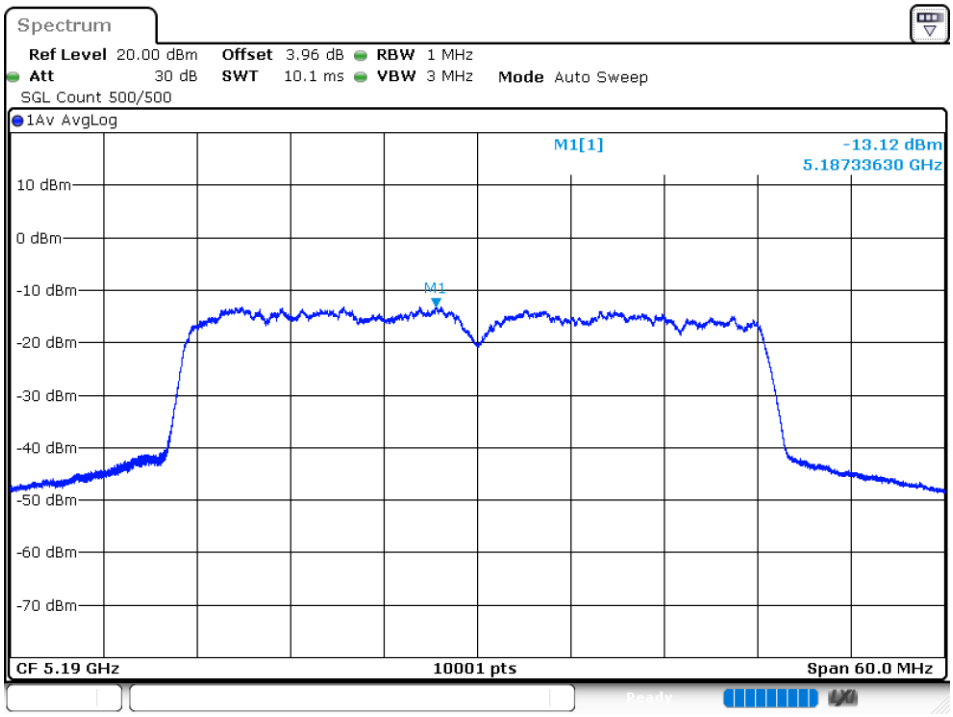
PSD NVNT n20 5200MHz Ant1



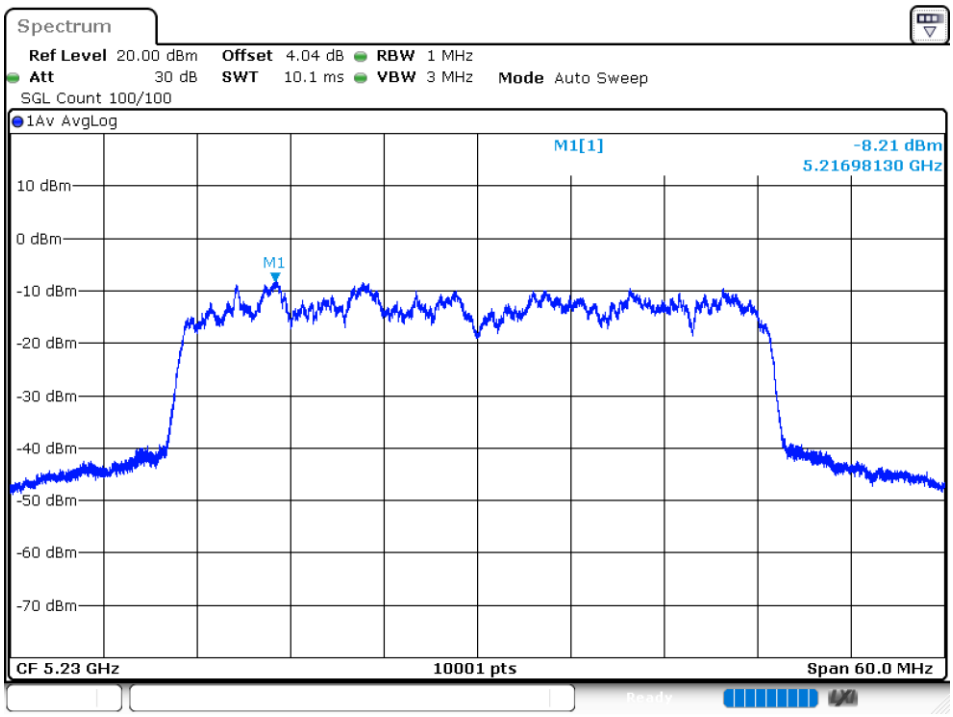
PSD NVNT n20 5240MHz Ant1



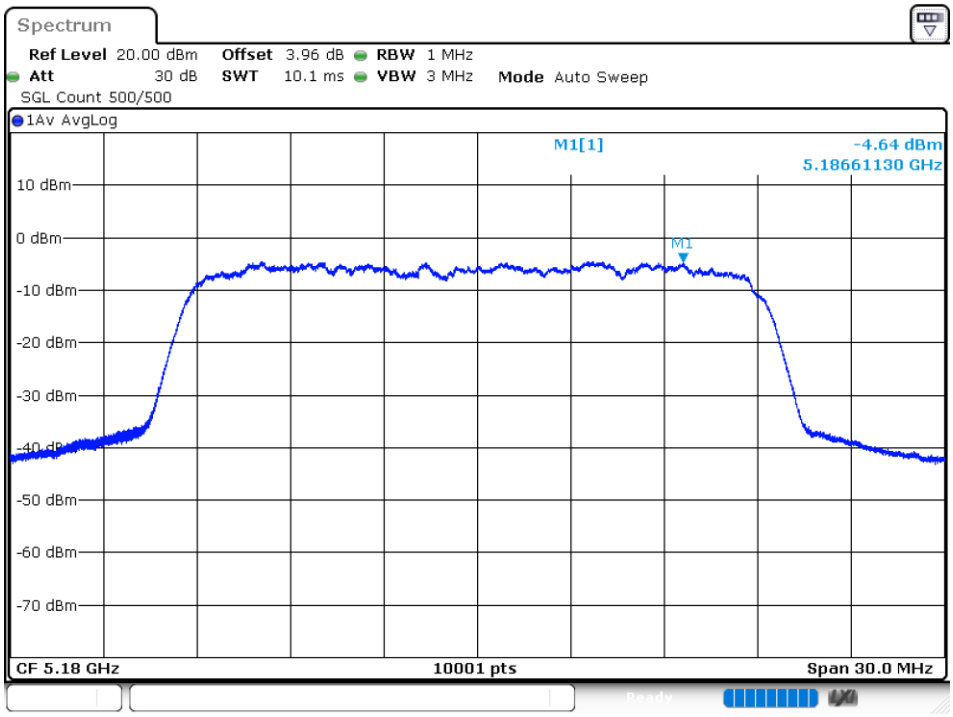
PSD NVNT n40 5190MHz Ant1



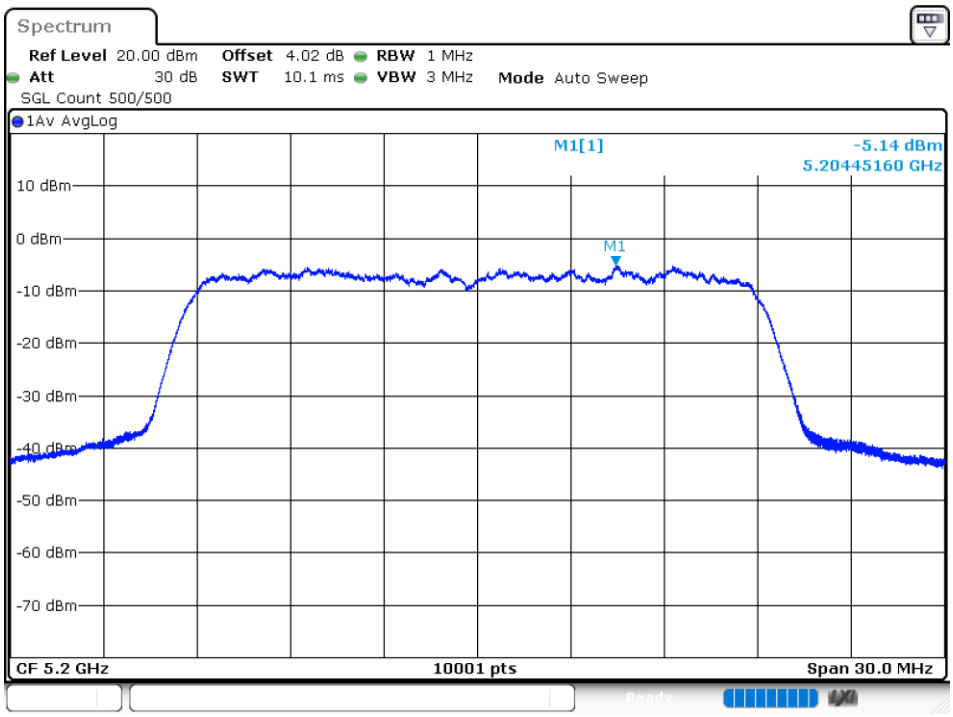
PSD NVNT n40 5230MHz Ant1



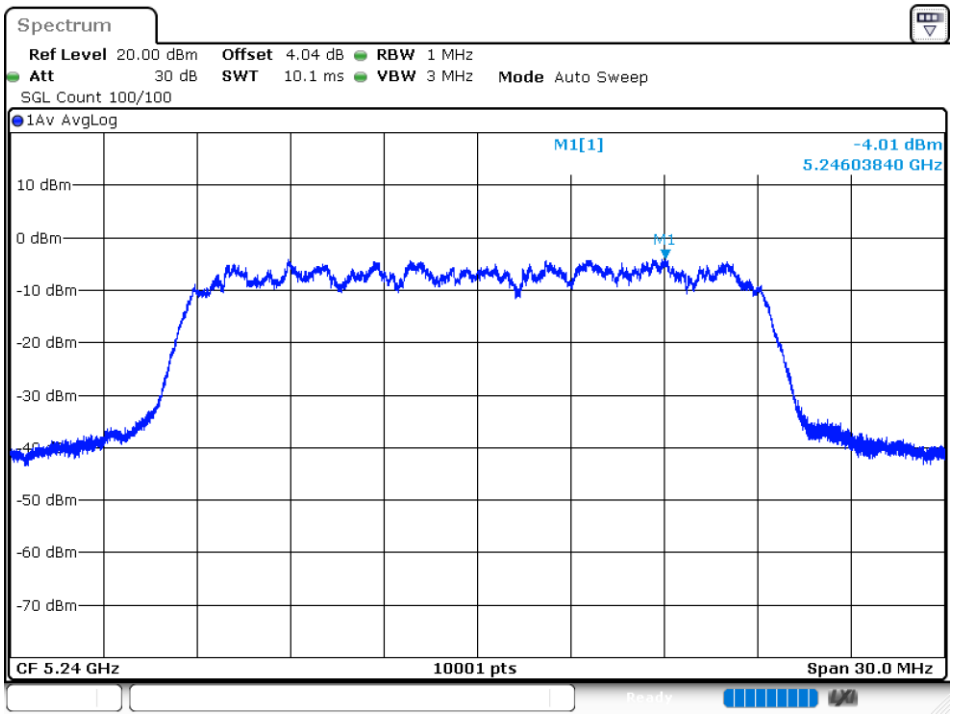
PSD NVNT ac20 5180MHz Ant1



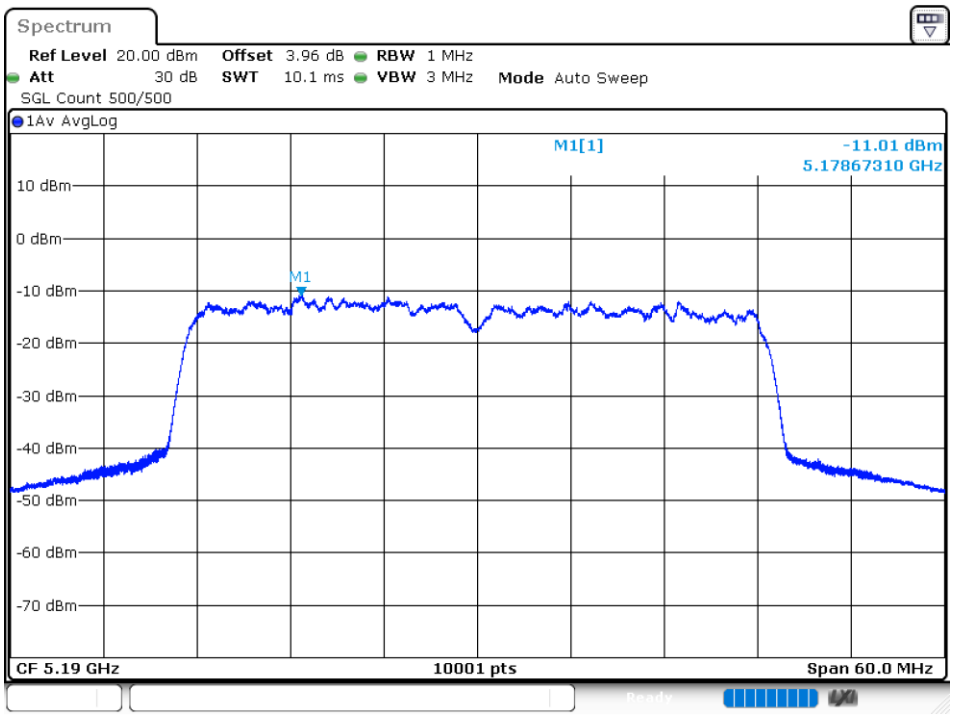
PSD NVNT ac20 5200MHz Ant1



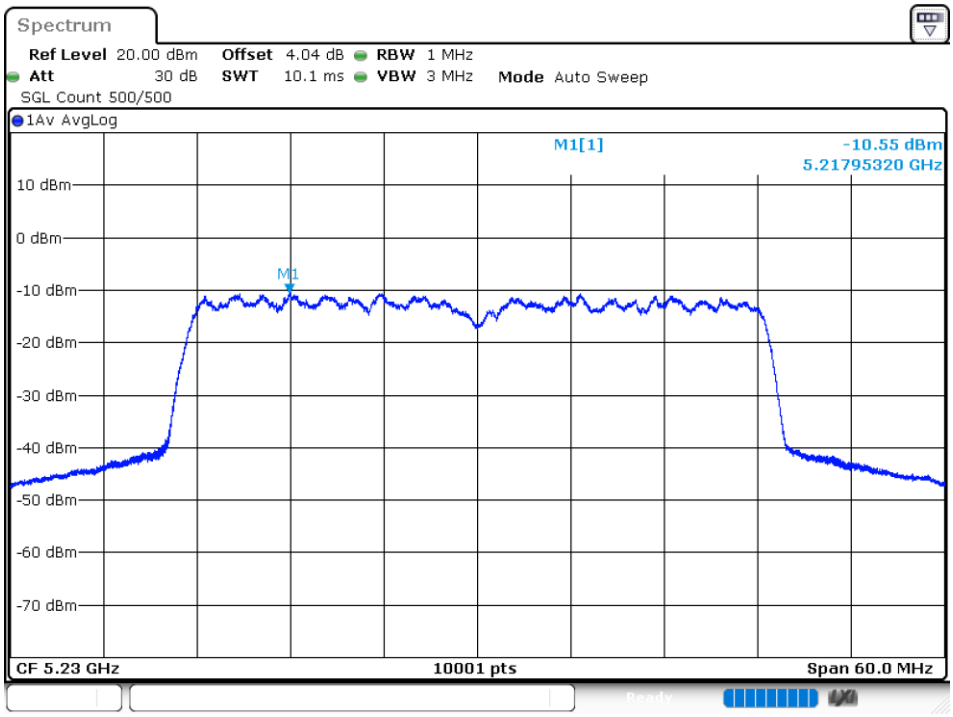
PSD NVNT ac20 5240MHz Ant1



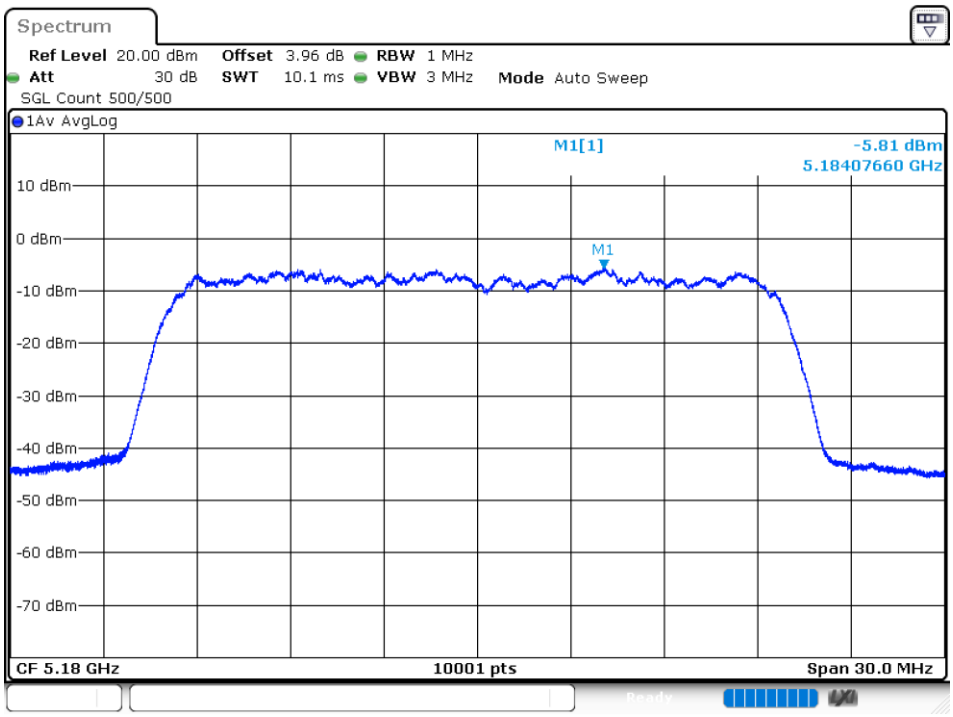
PSD NVNT ac40 5190MHz Ant1



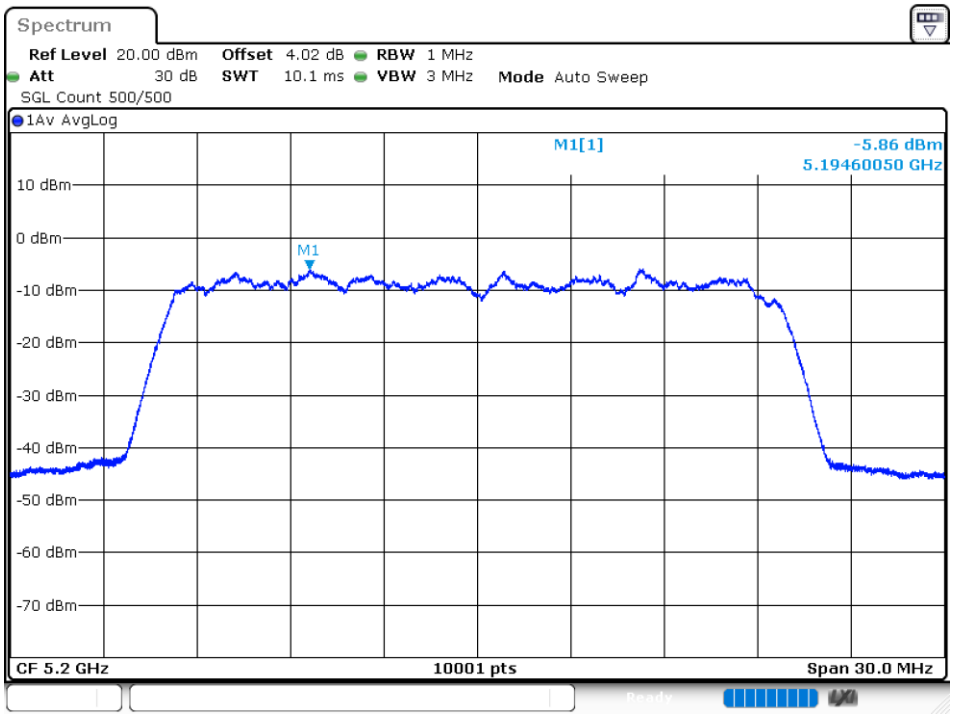
PSD NVNT ac40 5230MHz Ant1



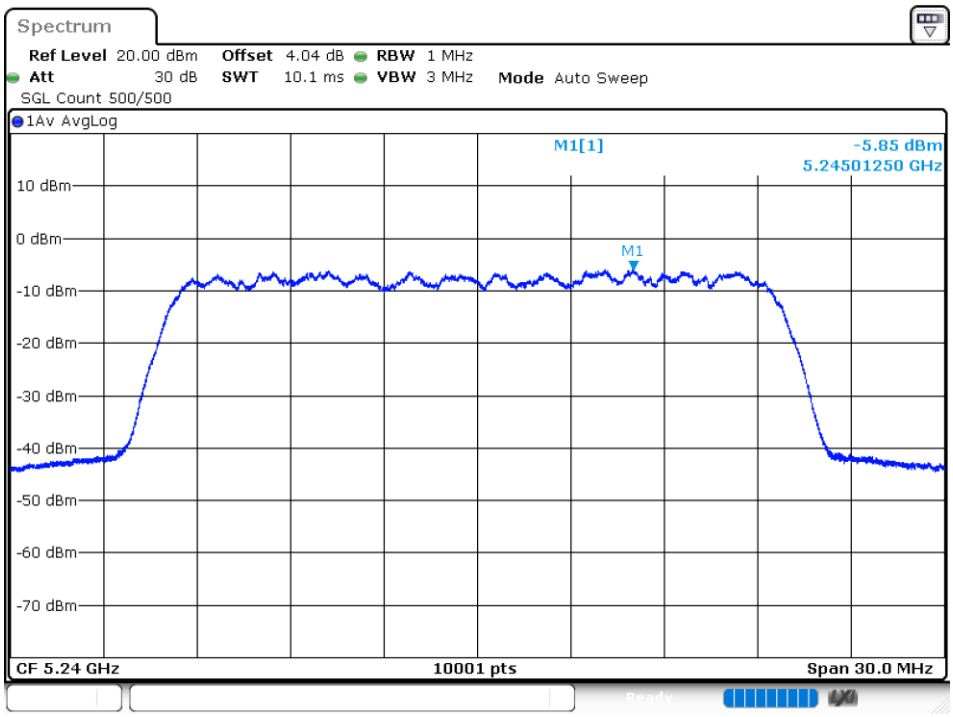
PSD NVNT ax20 5180MHz Ant1



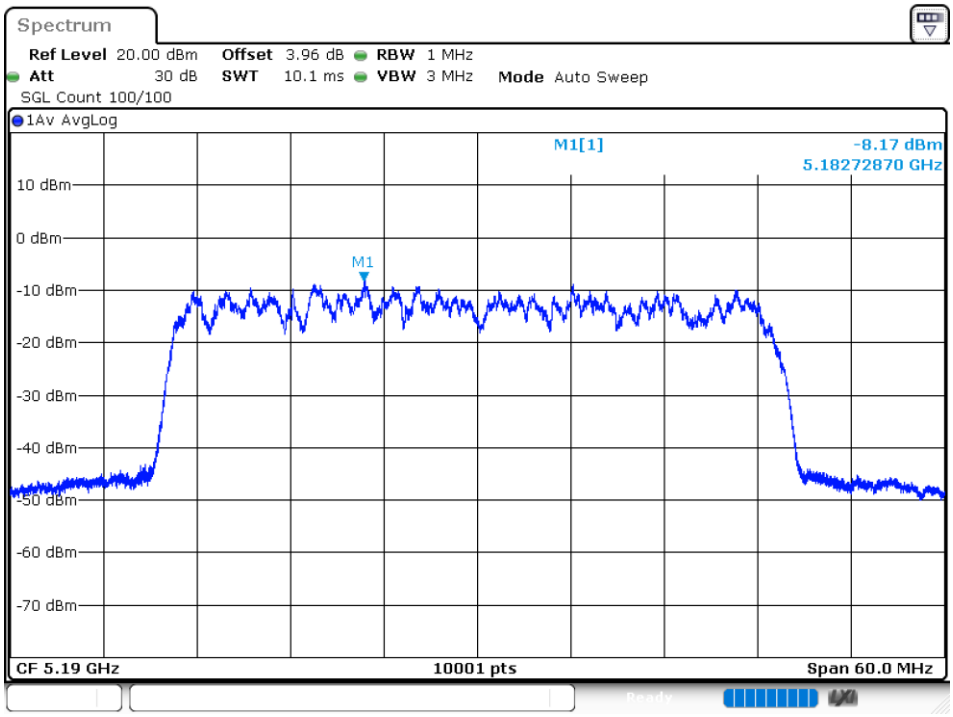
PSD NVNT ax20 5200MHz Ant1



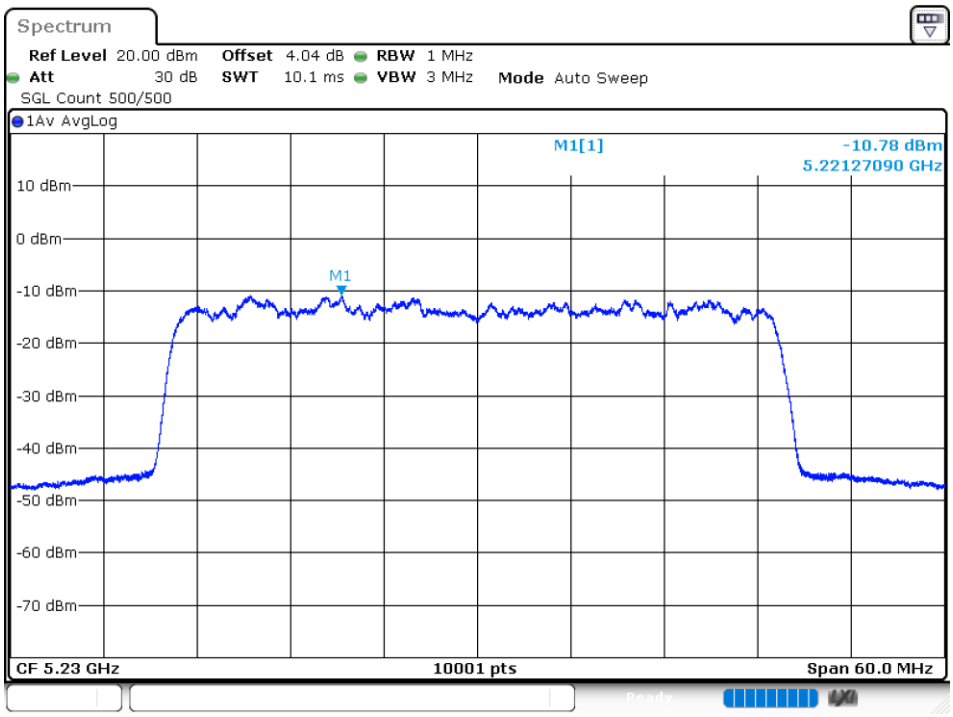
PSD NVNT ax20 5240MHz Ant1



PSD NVNT ax40 5190MHz Ant1



PSD NVNT ax40 5230MHz Ant1

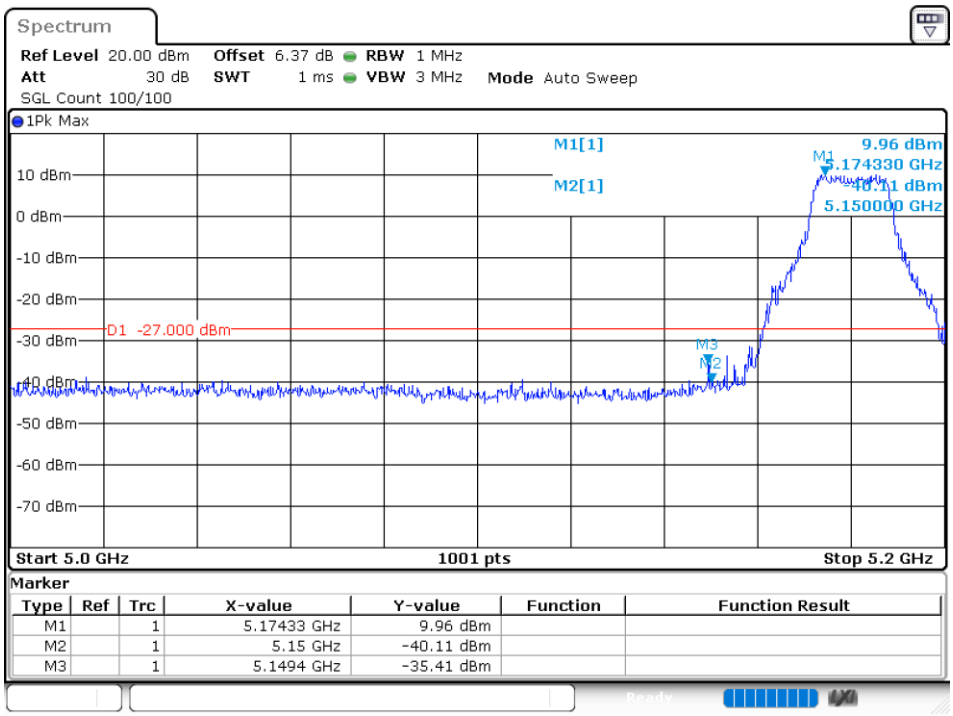
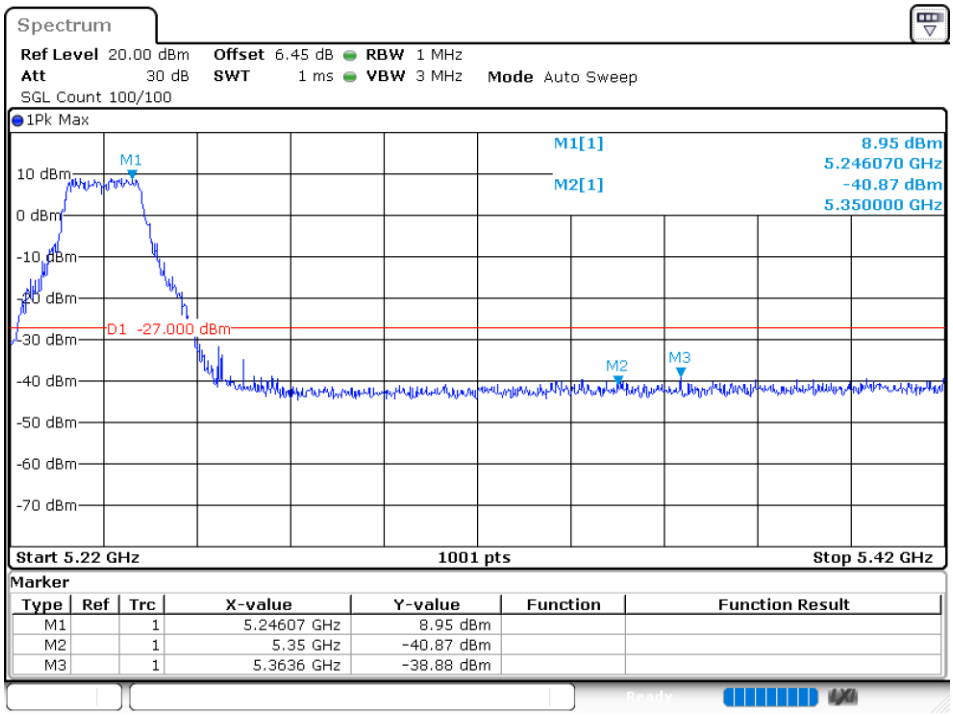


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-35.41	-27	Pass
NVNT	a	5240	Ant1	-38.87	-27	Pass
NVNT	n20	5180	Ant1	-33.8	-27	Pass
NVNT	n20	5240	Ant1	-38.52	-27	Pass
NVNT	n40	5190	Ant1	-29.64	-27	Pass
NVNT	n40	5230	Ant1	-41.97	-27	Pass
NVNT	ac20	5180	Ant1	-34.48	-27	Pass
NVNT	ac20	5240	Ant1	-39.09	-27	Pass
NVNT	ac40	5190	Ant1	-31.53	-27	Pass
NVNT	ac40	5230	Ant1	-41.77	-27	Pass
NVNT	ax20	5180	Ant1	-36.43	-27	Pass
NVNT	ax20	5240	Ant1	-38.73	-27	Pass
NVNT	ax40	5190	Ant1	-34.56	-27	Pass
NVNT	ax40	5230	Ant1	-39.81	-27	Pass

Test Graphs

Band Edge NVNT a 5180MHz Low Ant1



Band Edge NVNT a 5240MHz High Ant1