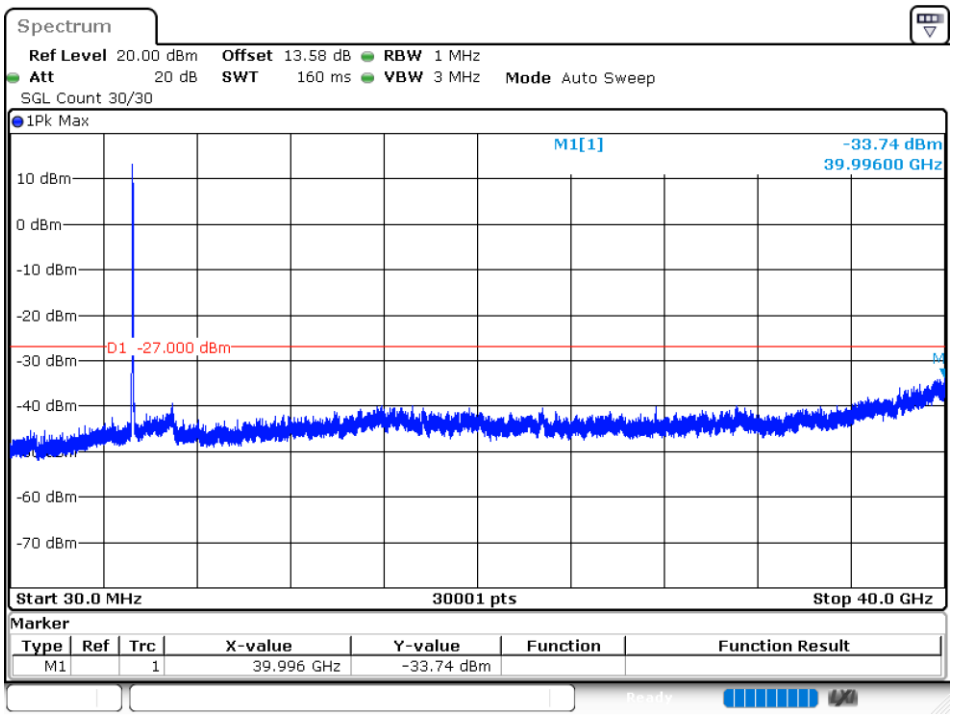
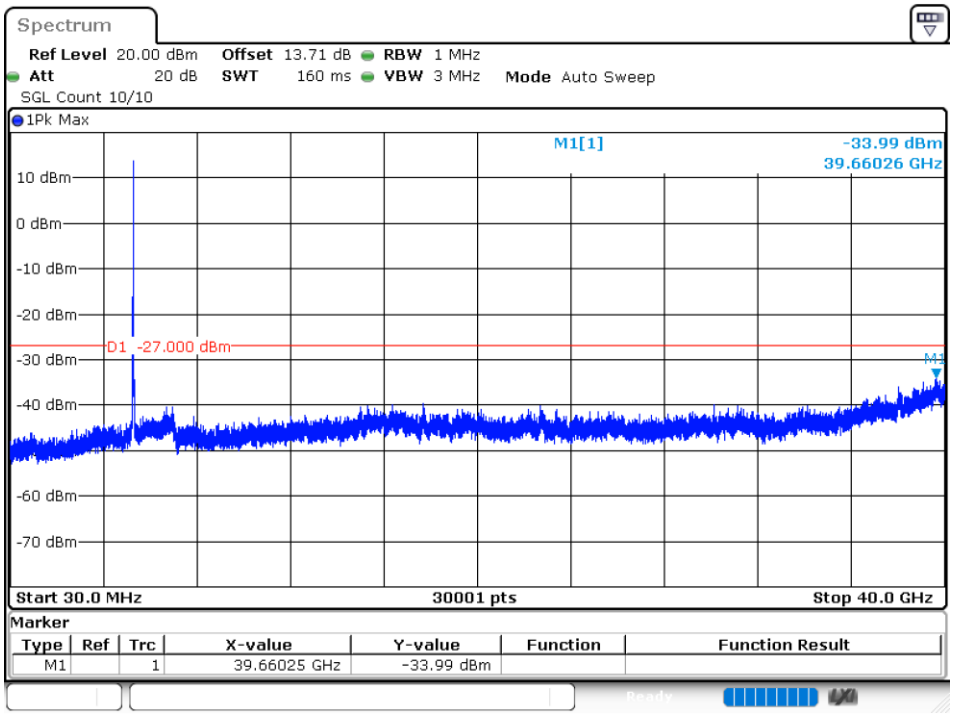
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-33.73	-27	Pass
NVNT	a	5280	Ant1	-33.98	-27	Pass
NVNT	a	5320	Ant1	-34.18	-27	Pass
NVNT	n20	5260	Ant1	-33.72	-27	Pass
NVNT	n20	5280	Ant1	-34.4	-27	Pass
NVNT	n20	5320	Ant1	-33.86	-27	Pass
NVNT	n40	5270	Ant1	-33.64	-27	Pass
NVNT	n40	5310	Ant1	-34.91	-27	Pass
NVNT	ac20	5260	Ant1	-33.61	-27	Pass
NVNT	ac20	5280	Ant1	-33.51	-27	Pass
NVNT	ac20	5320	Ant1	-34.47	-27	Pass
NVNT	ac40	5270	Ant1	-34.66	-27	Pass
NVNT	ac40	5310	Ant1	-35.05	-27	Pass
NVNT	ac80	5290	Ant1	-33.88	-27	Pass

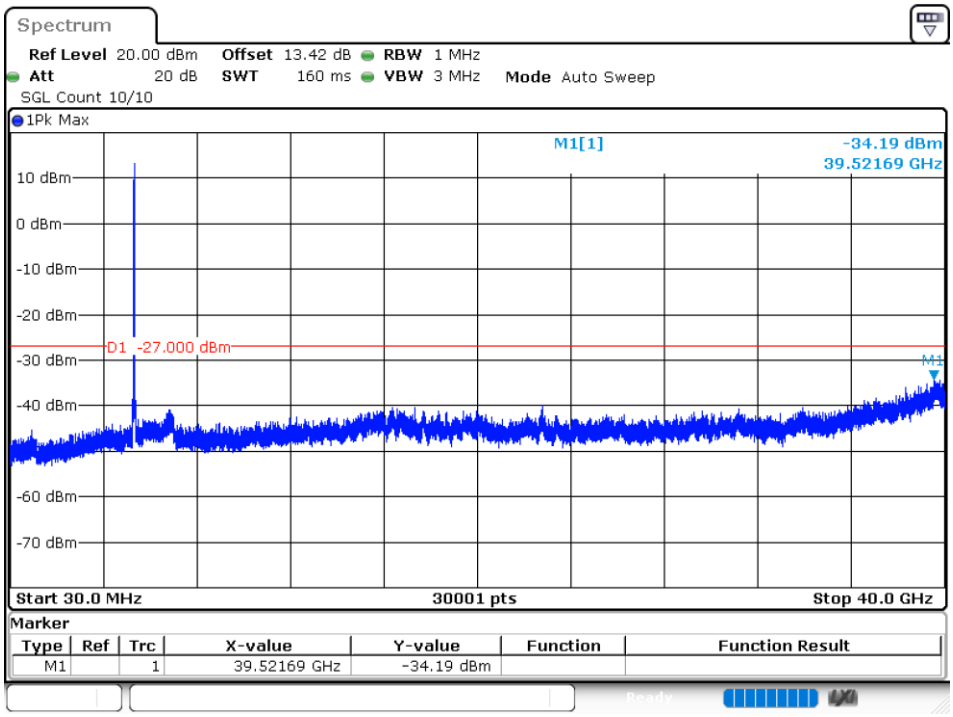
Test Graphs
Tx. Spurious NVNT a 5260MHz Ant1 Emission



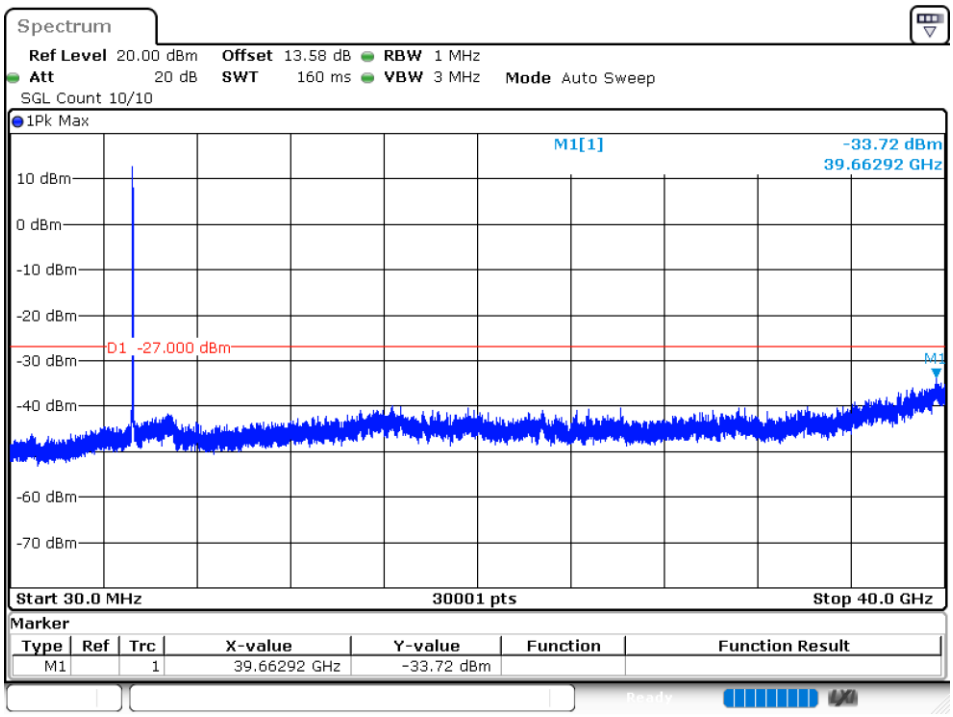
Tx. Spurious NVNT a 5280MHz Ant1 Emission



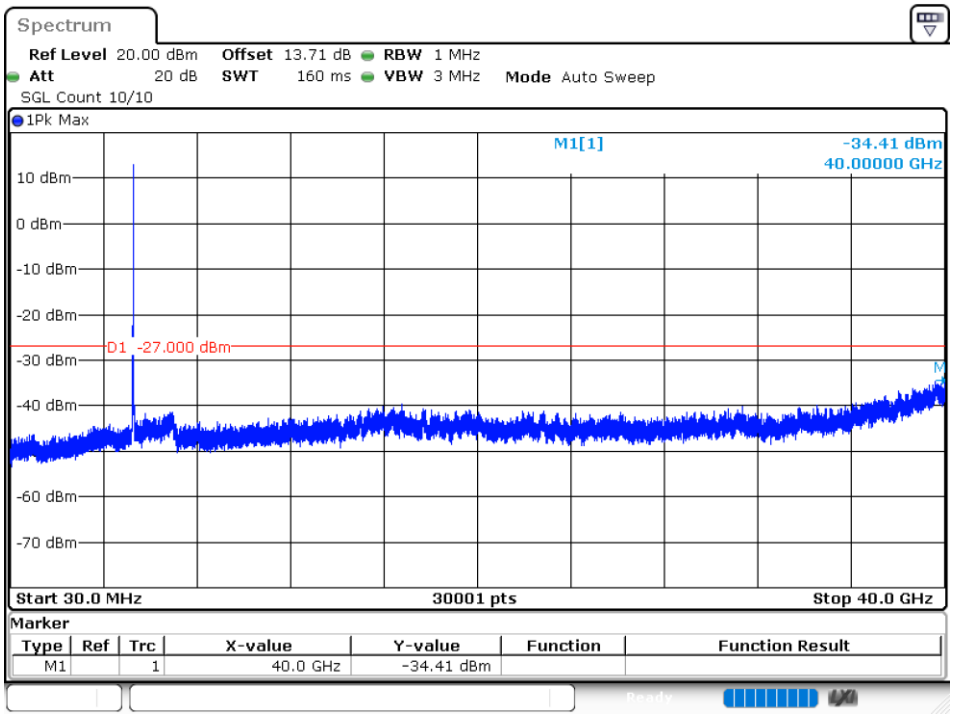
Tx. Spurious NVNT a 5320MHz Ant1 Emission



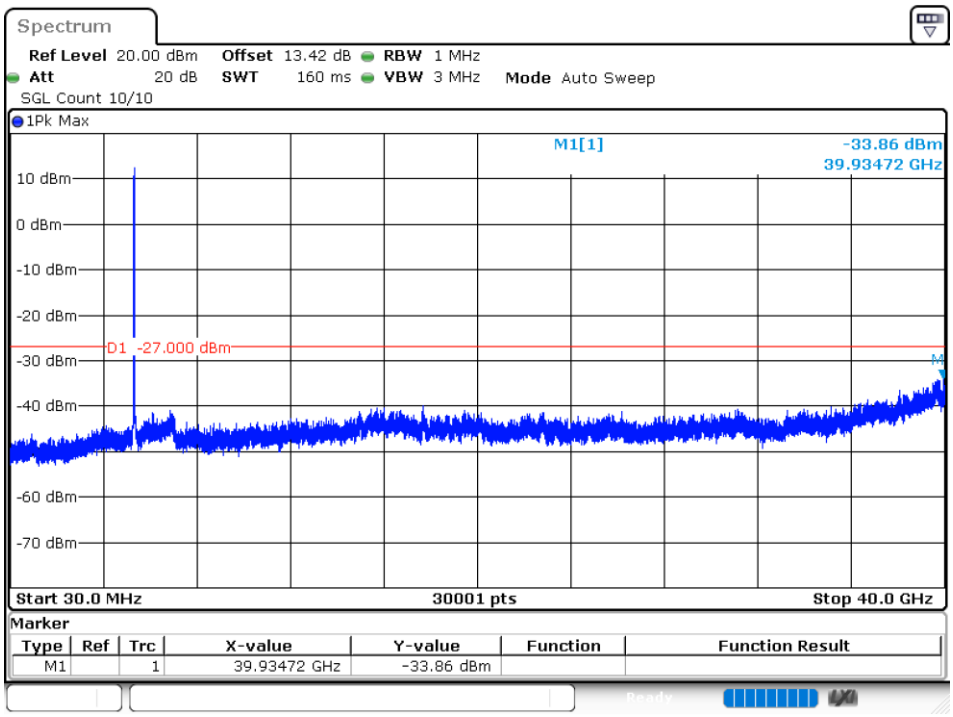
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



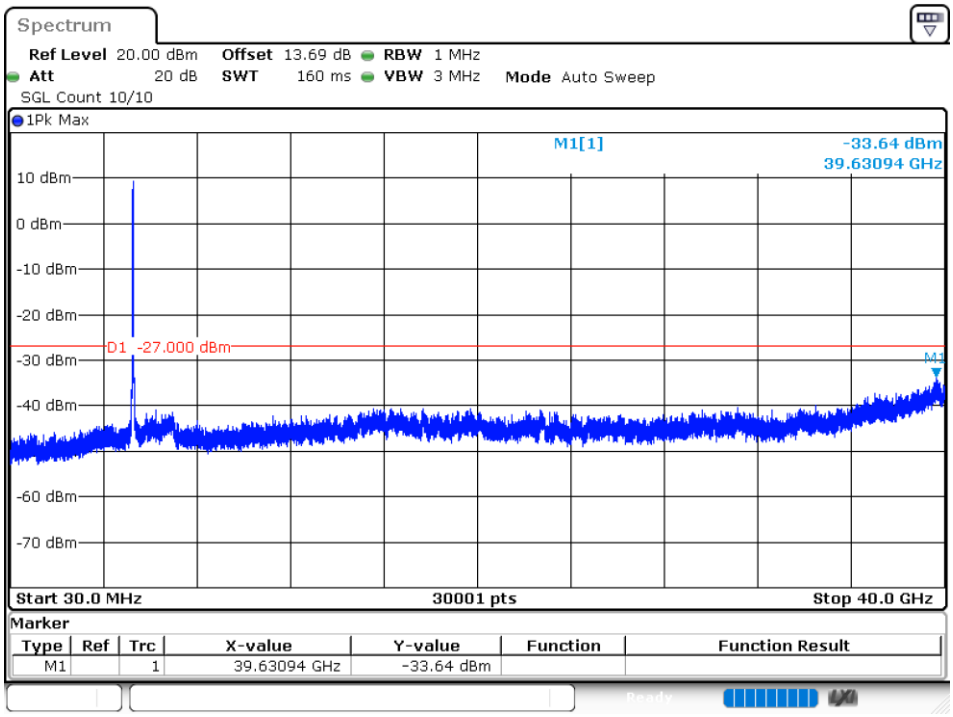
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



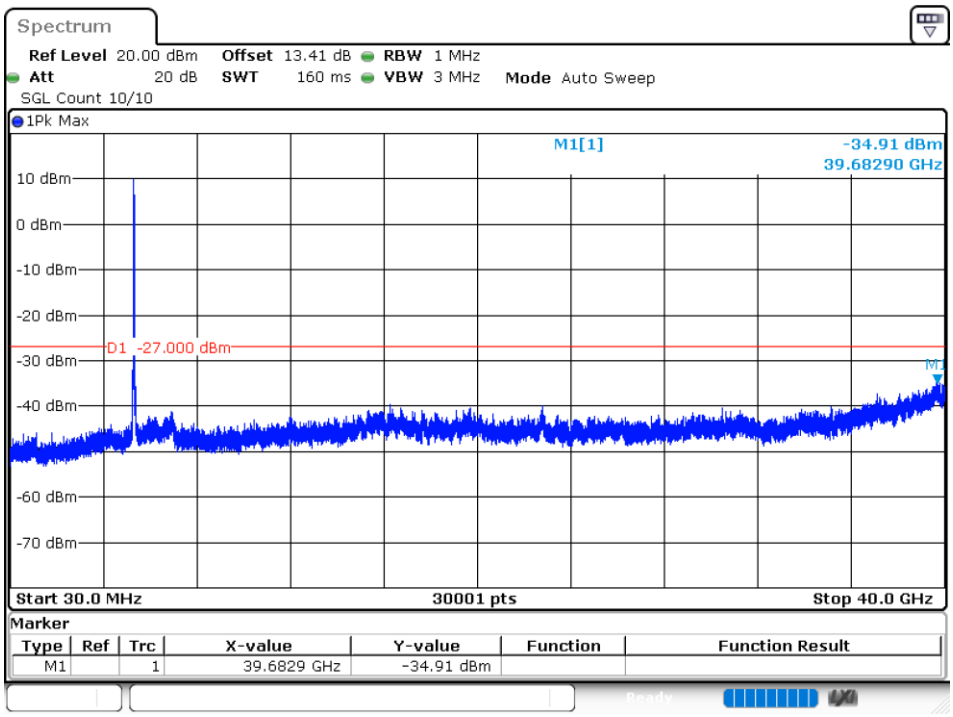
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



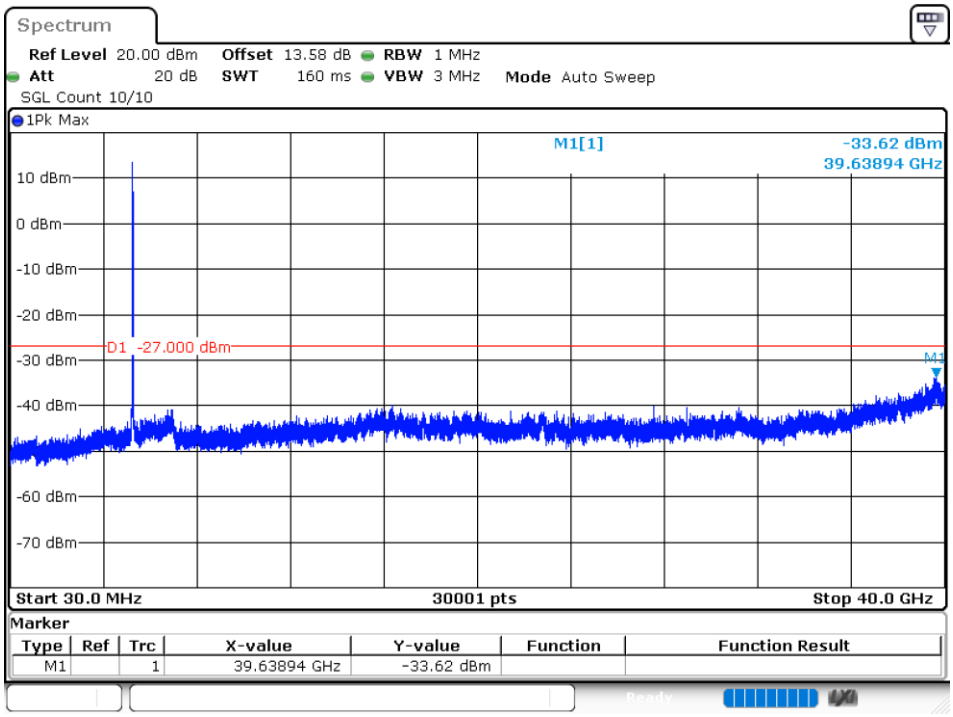
Tx. Spurious NVNT n40 5270MHz Ant1 Emission



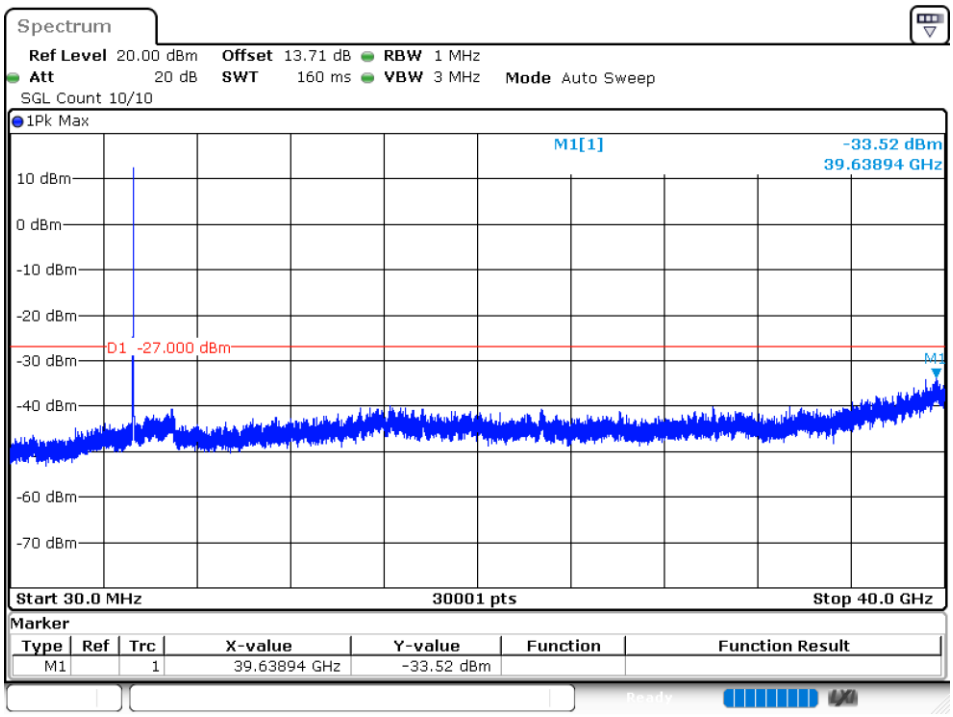
Tx. Spurious NVNT n40 5310MHz Ant1 Emission



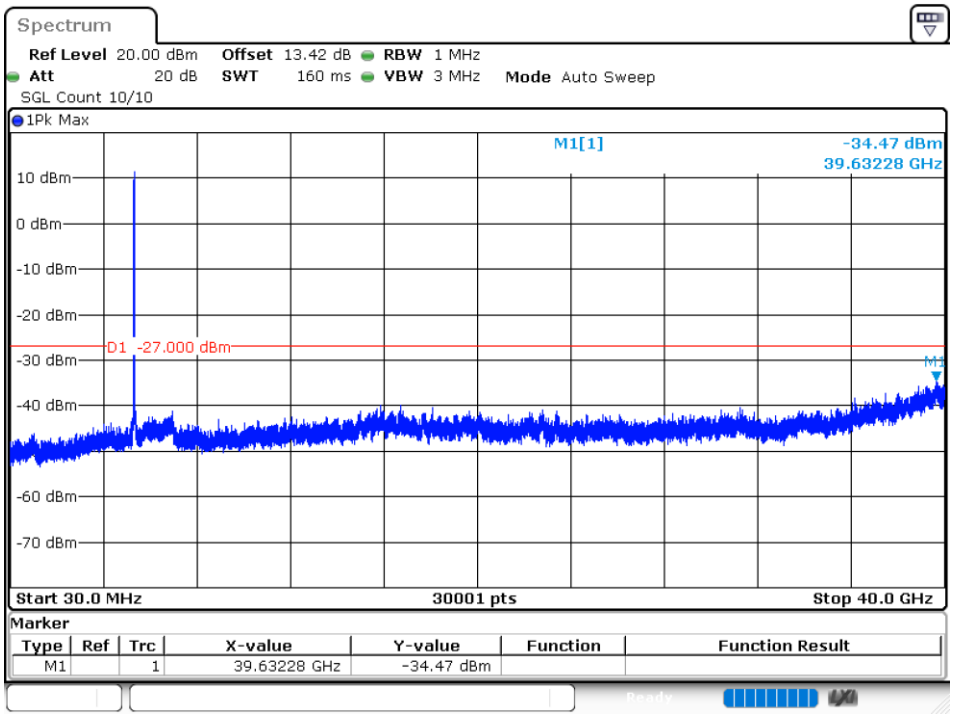
Tx. Spurious NVNT ac20 5260MHz Ant1 Emission



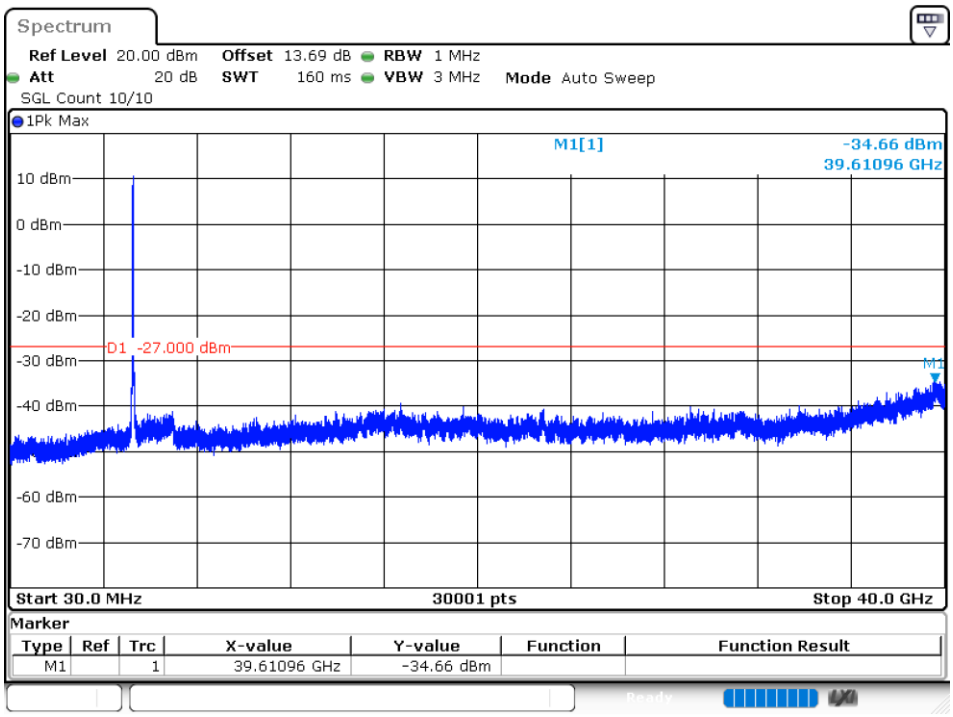
Tx. Spurious NVNT ac20 5280MHz Ant1 Emission



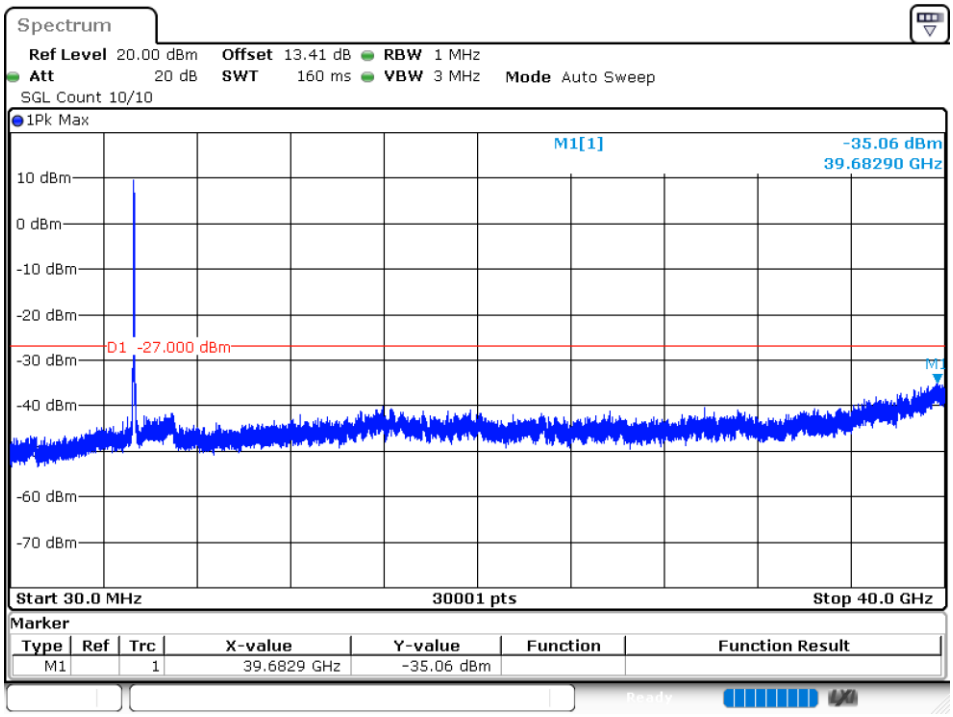
Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



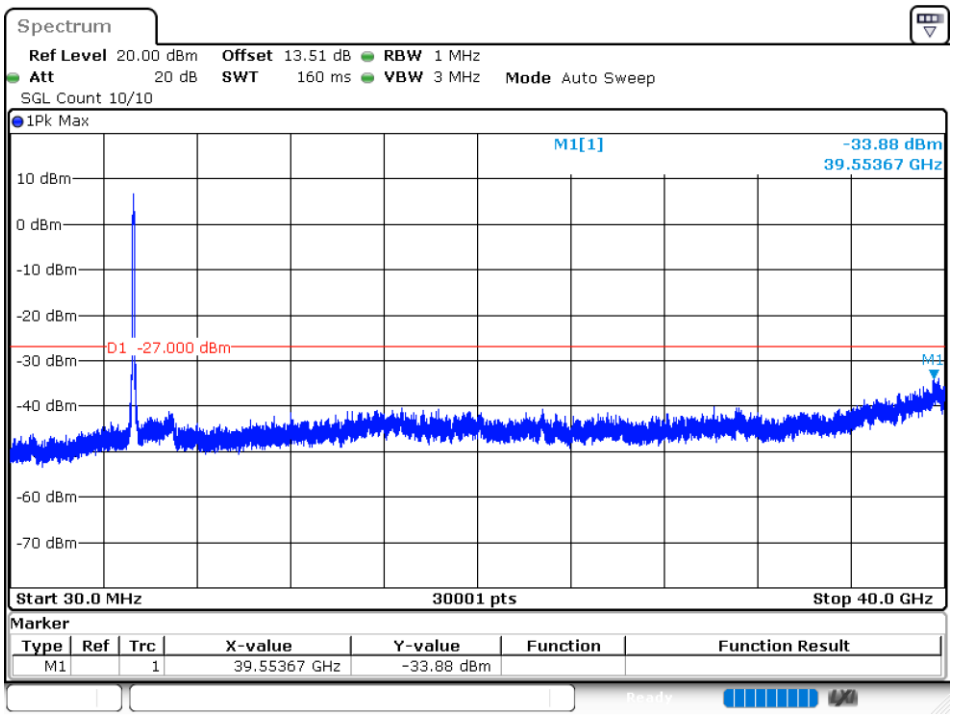
Tx. Spurious NVNT ac40 5270MHz Ant1 Emission



Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



Tx. Spurious NVNT ac80 5290MHz Ant1 Emission



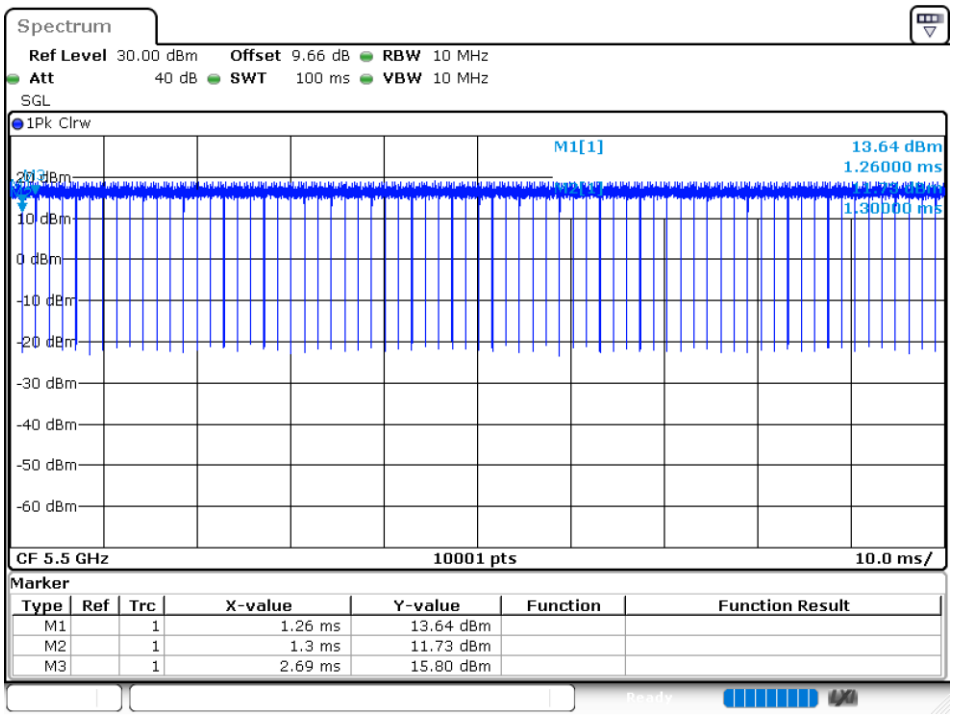
5.6G WIFI

Duty Cycle

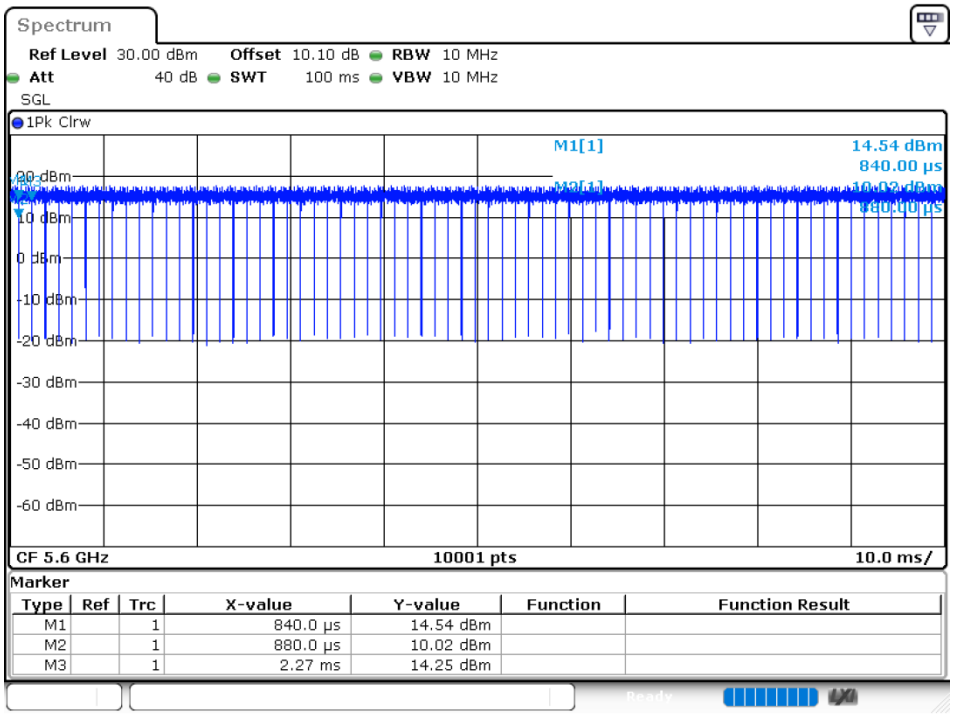
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	97.81	0.1	0.72
NVNT	a	5600	Ant1	97.82	0.1	0.72
NVNT	a	5700	Ant1	97.81	0.1	0.71
NVNT	n20	5500	Ant1	97.65	0.1	0.77
NVNT	n20	5600	Ant1	97.63	0.1	0.77
NVNT	n20	5700	Ant1	97.68	0.1	0.76
NVNT	n40	5510	Ant1	95.43	0.2	1.54
NVNT	n40	5590	Ant1	95.4	0.2	1.54
NVNT	n40	5670	Ant1	95.43	0.2	1.54
NVNT	ac20	5500	Ant1	97.7	0.1	0.76
NVNT	ac20	5600	Ant1	97.67	0.1	0.76
NVNT	ac20	5700	Ant1	97.67	0.1	0.76
NVNT	ac40	5510	Ant1	95.38	0.21	1.52
NVNT	ac40	5590	Ant1	95.47	0.2	1.52
NVNT	ac40	5670	Ant1	95.54	0.2	1.52
NVNT	ac80	5530	Ant1	91.38	0.39	3.13
NVNT	ac80	5610	Ant1	91.38	0.39	3.03

Test Graphs

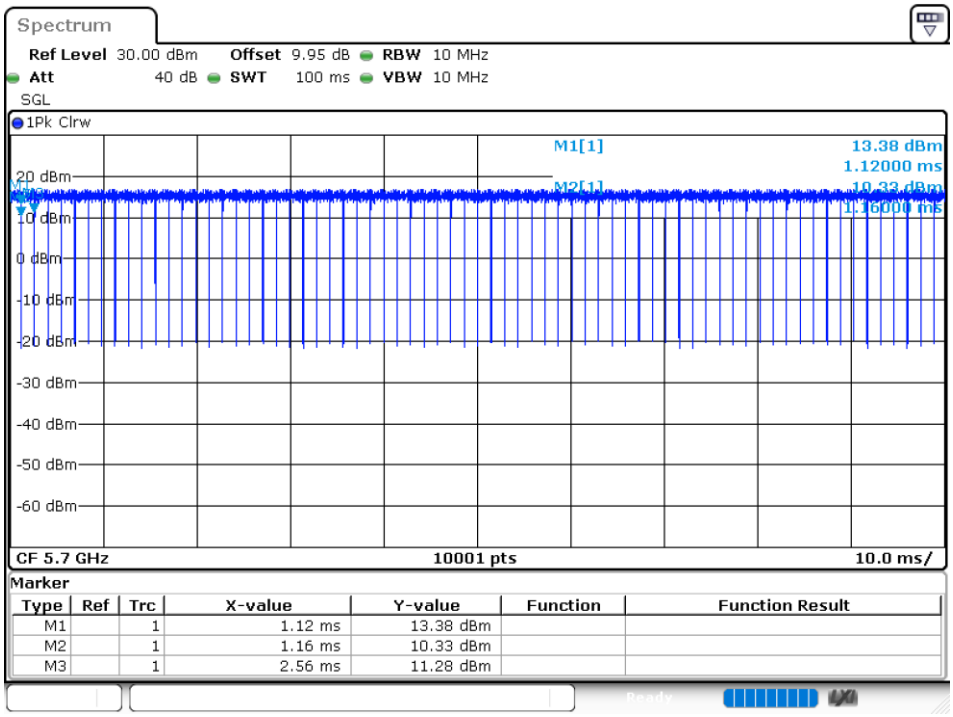
Duty Cycle NVNT a 5500MHz Ant1



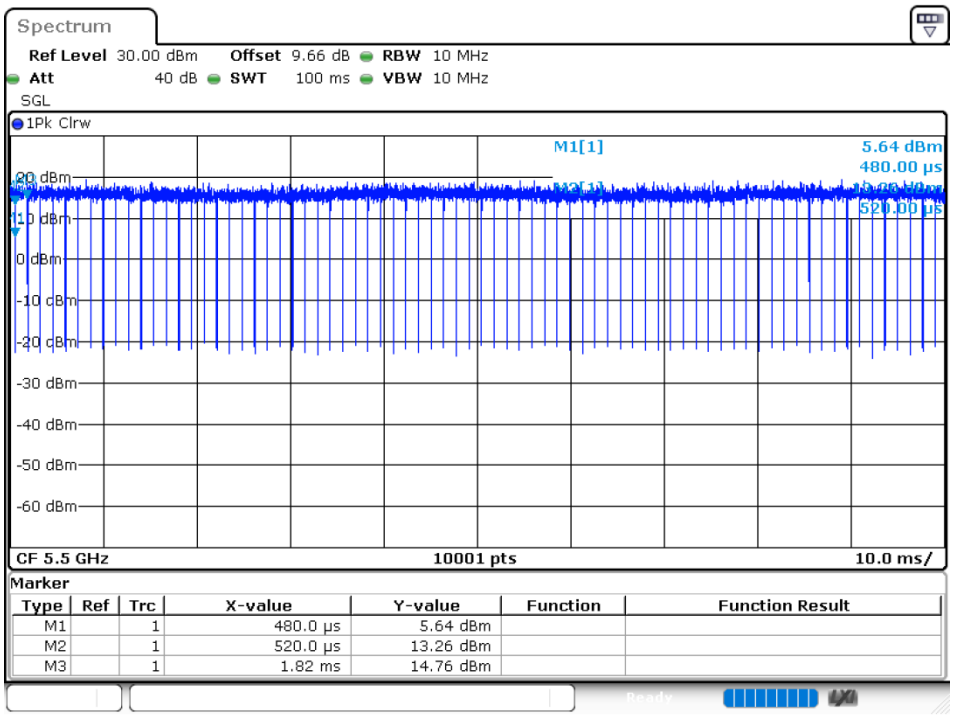
Duty Cycle NVNT a 5600MHz Ant1



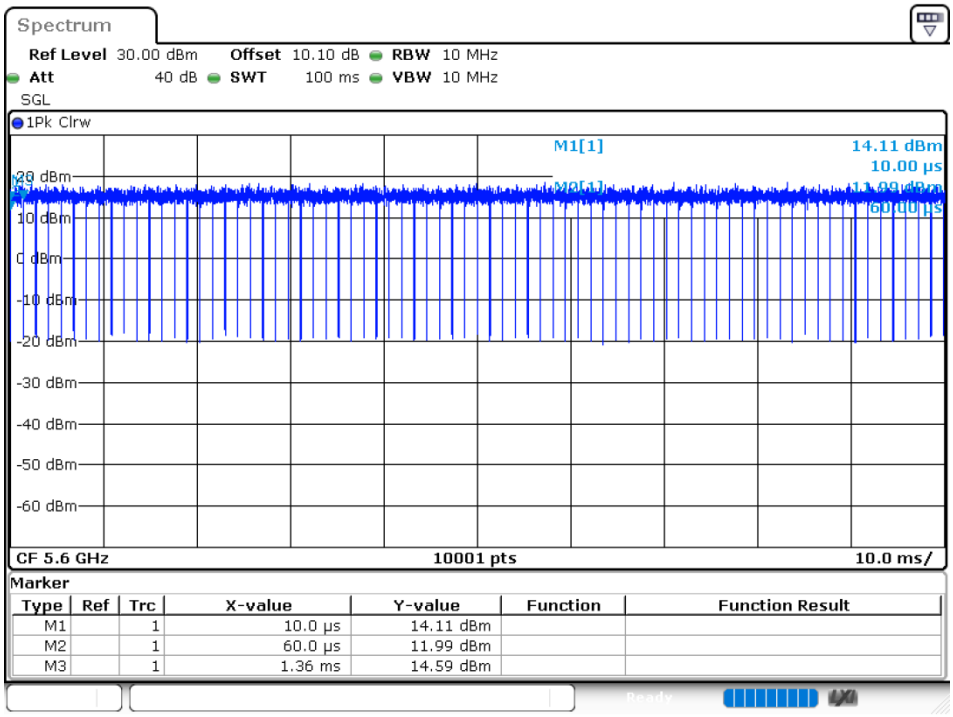
Duty Cycle NVNT a 5700MHz Ant1



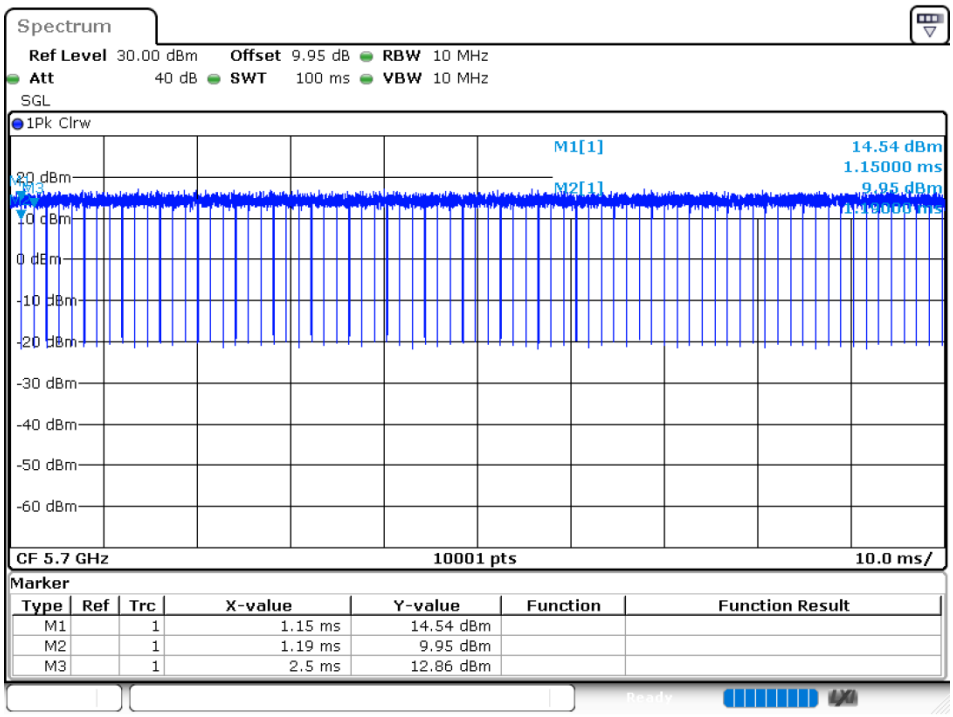
Duty Cycle NVNT n20 5500MHz Ant1



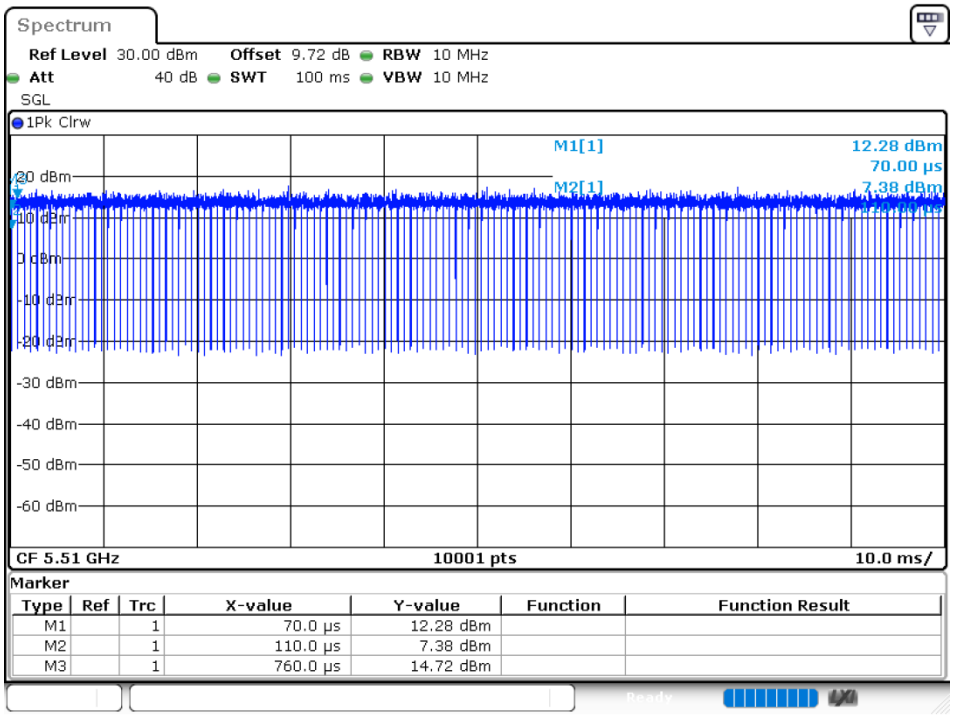
Duty Cycle NVNT n20 5600MHz Ant1



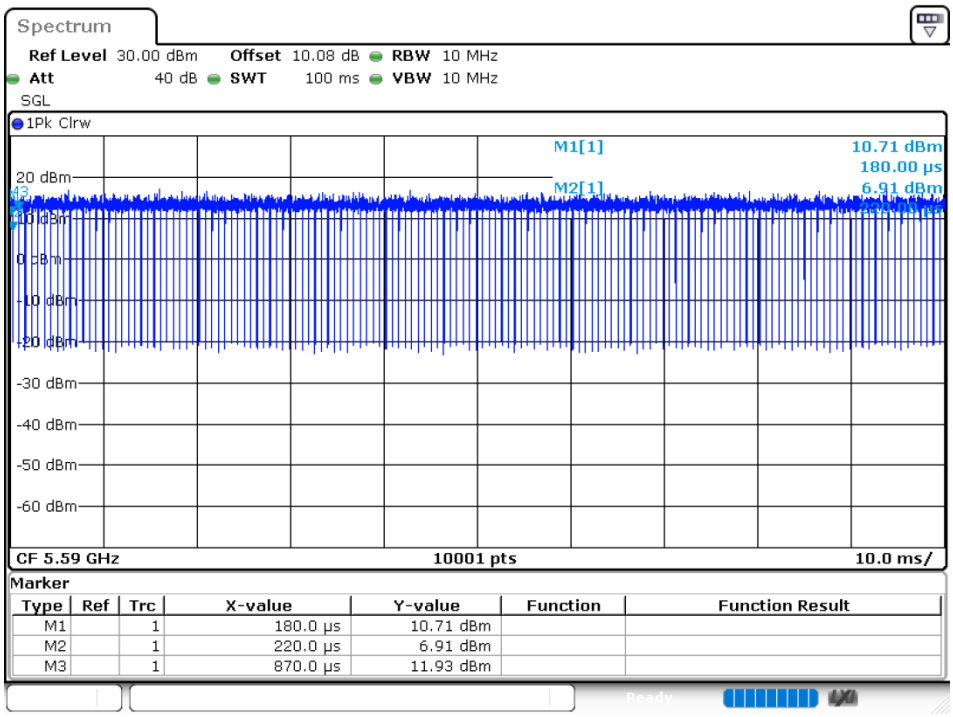
Duty Cycle NVNT n20 5700MHz Ant1



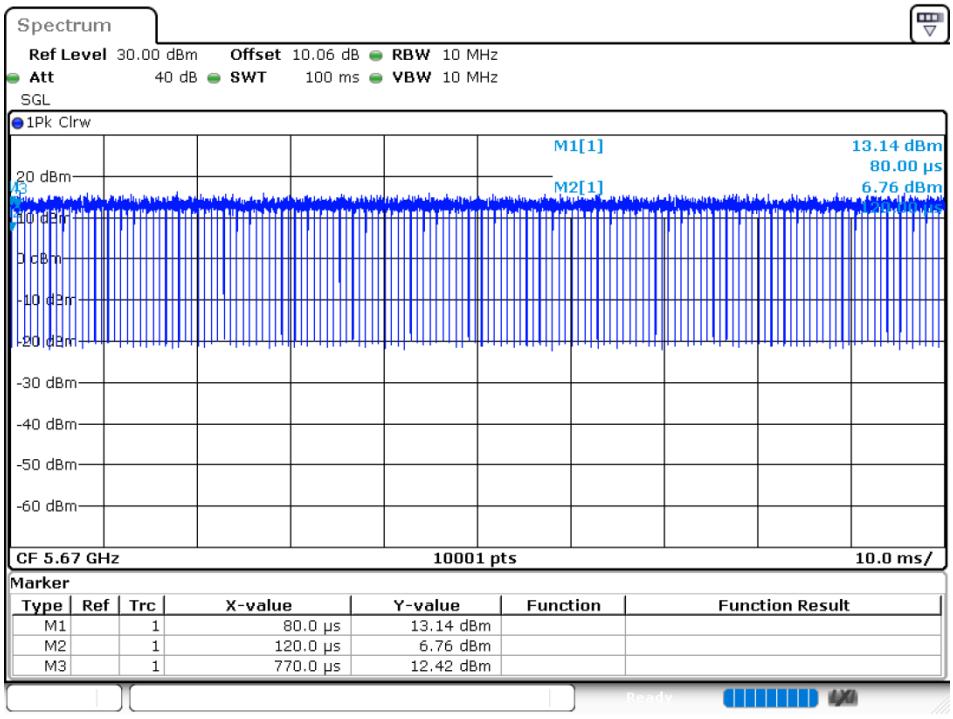
Duty Cycle NVNT n40 5510MHz Ant1



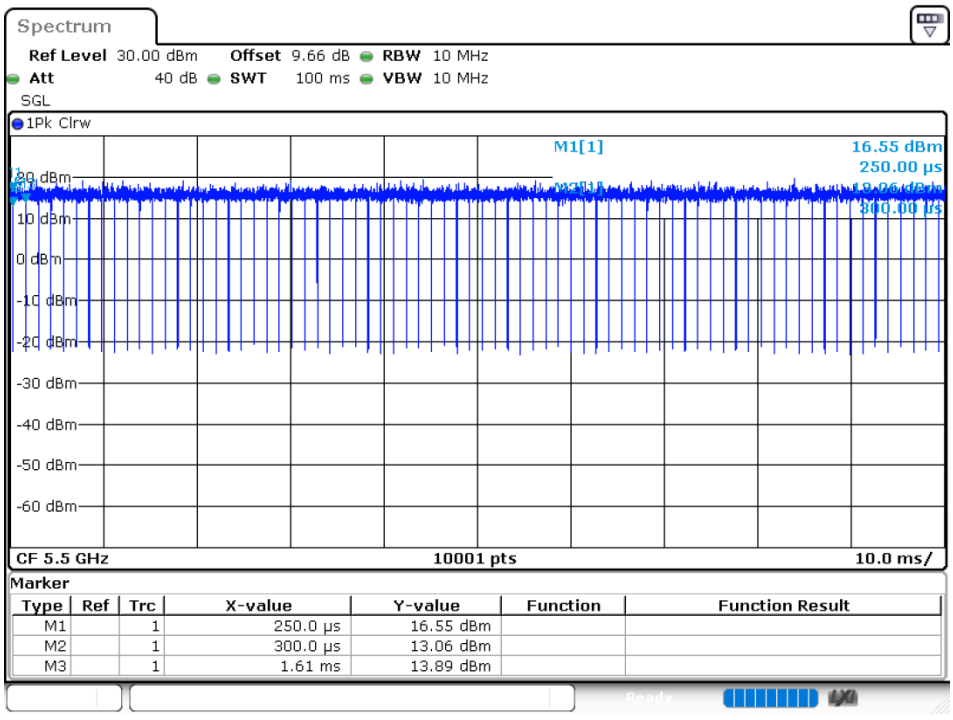
Duty Cycle NVNT n40 5590MHz Ant1



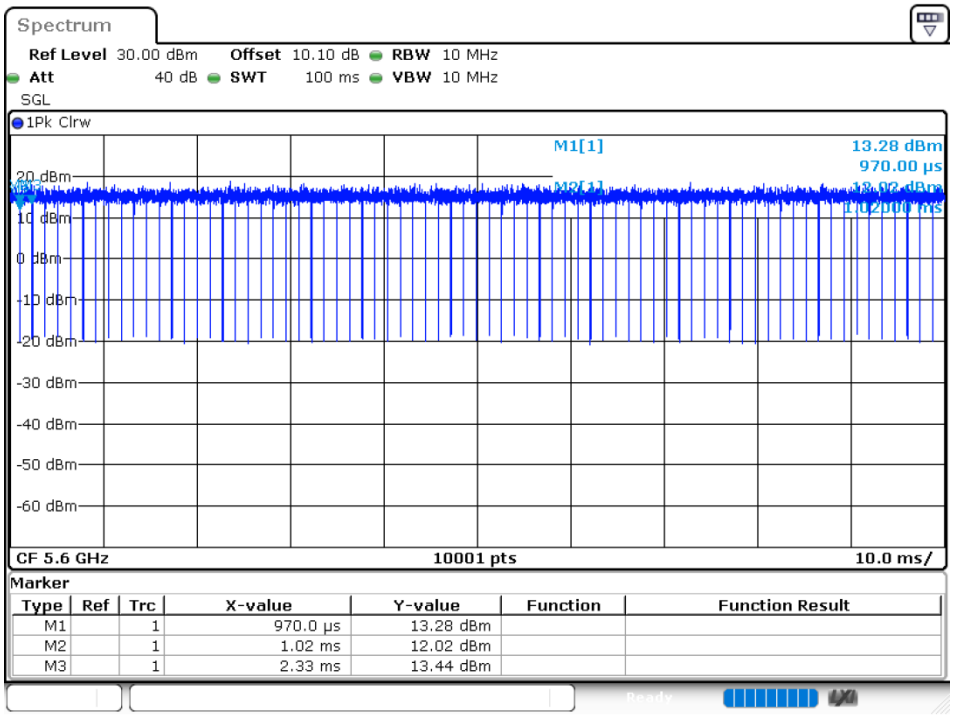
Duty Cycle NVNT n40 5670MHz Ant1



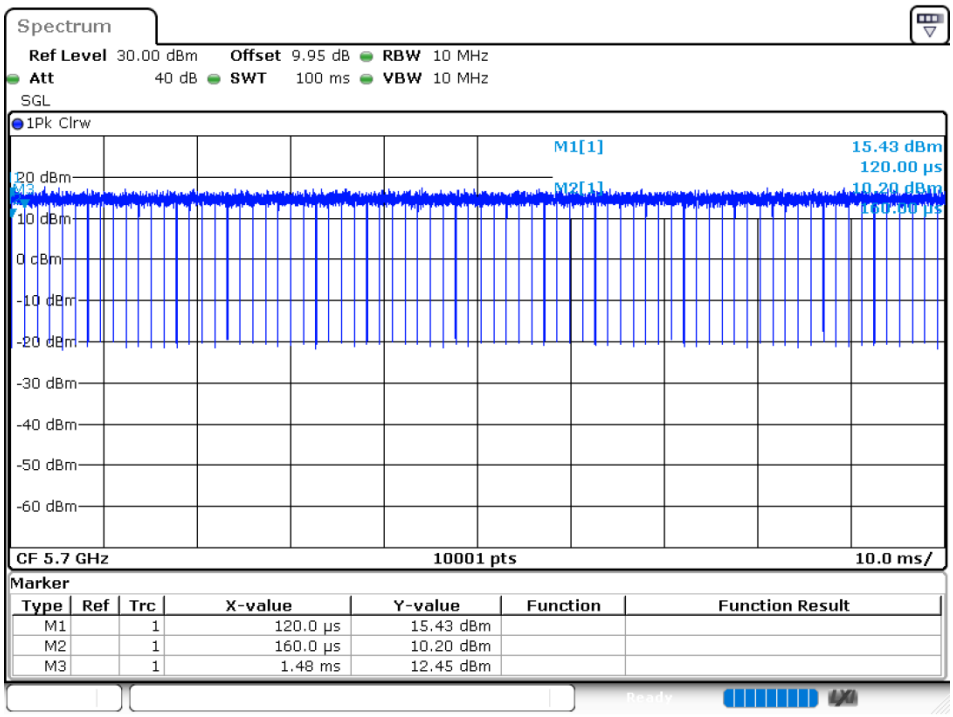
Duty Cycle NVNT ac20 5500MHz Ant1



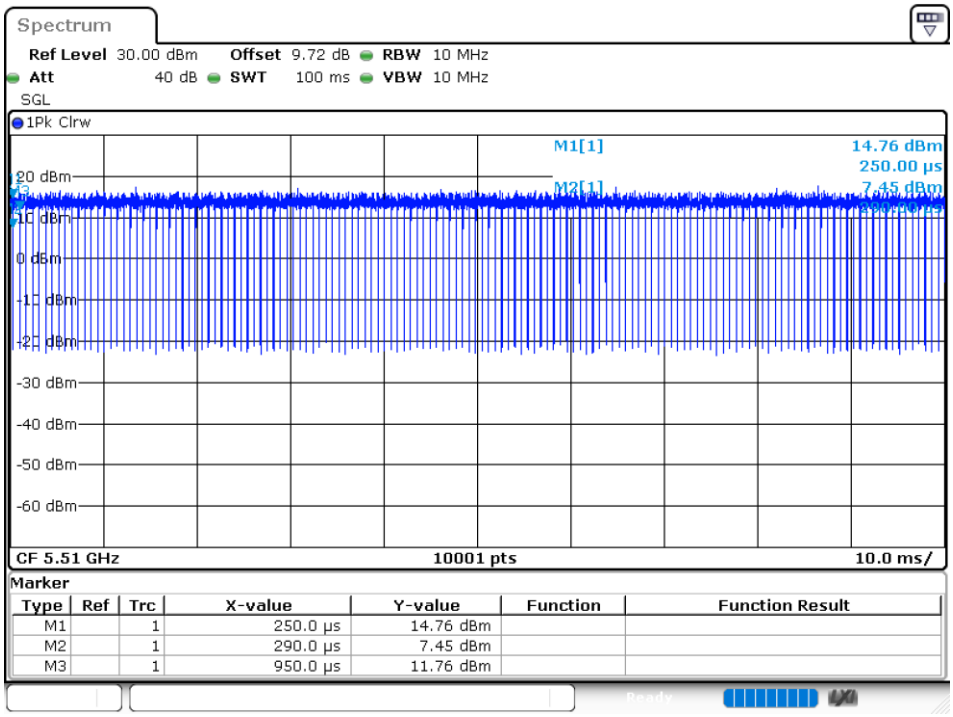
Duty Cycle NVNT ac20 5600MHz Ant1



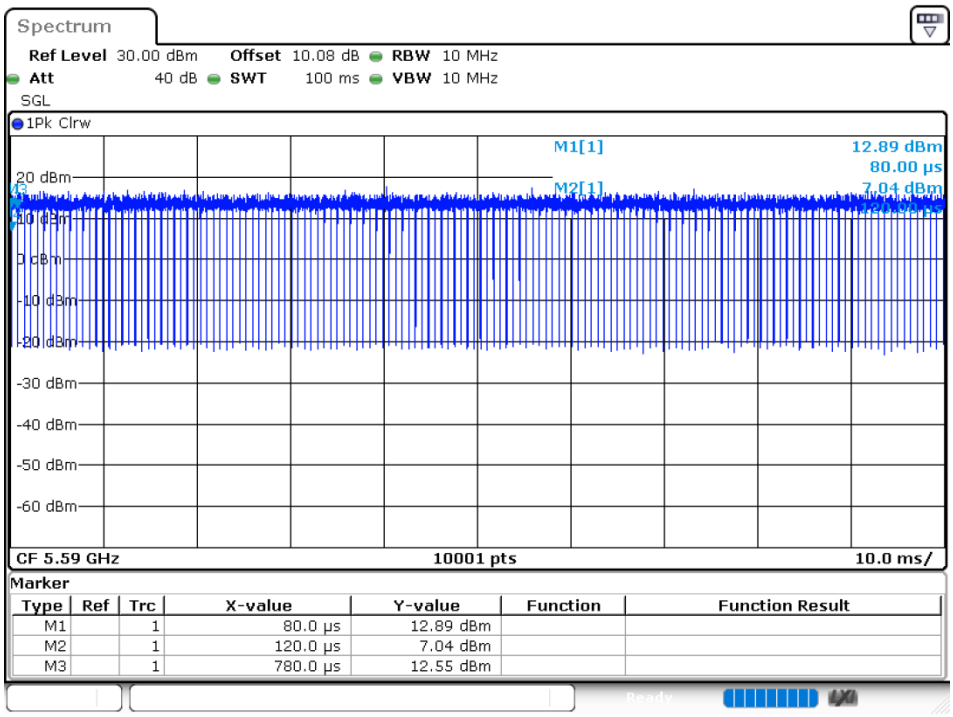
Duty Cycle NVNT ac20 5700MHz Ant1



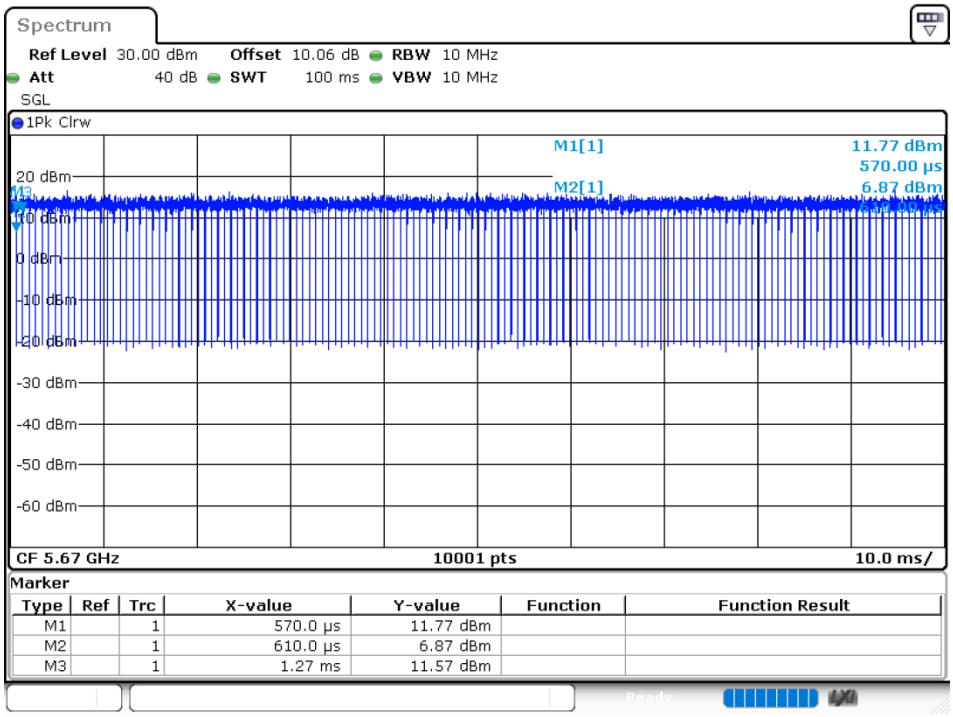
Duty Cycle NVNT ac40 5510MHz Ant1



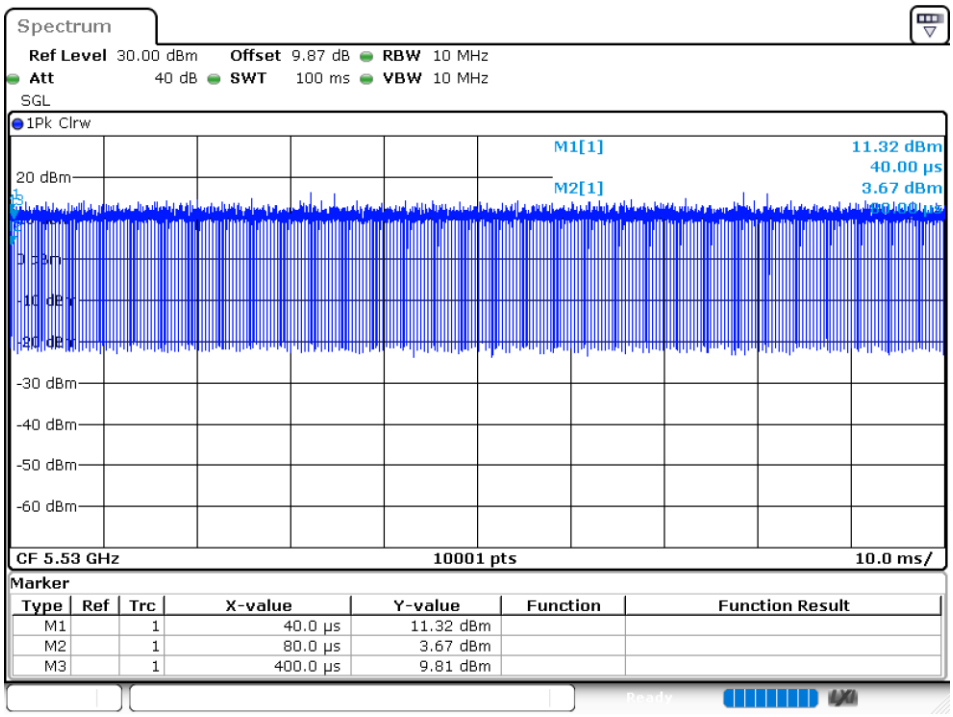
Duty Cycle NVNT ac40 5590MHz Ant1



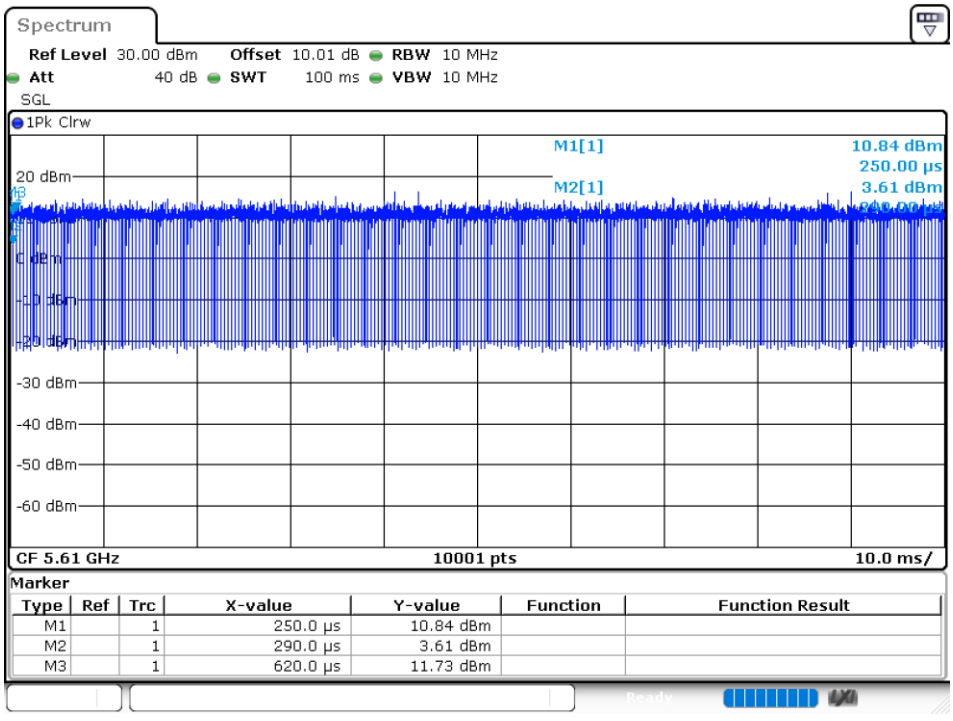
Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1



Maximum Conducted Output Power

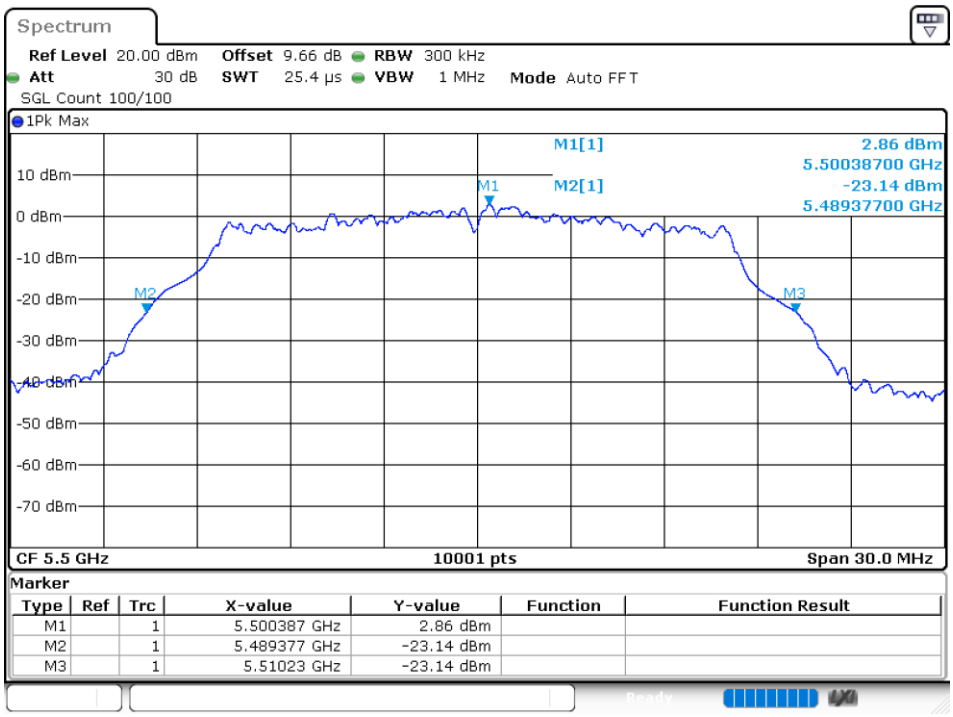
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	9.91	0.1	10.01	24	Pass
NVNT	a	5600	Ant1	8.99	0.1	9.09	24	Pass
NVNT	a	5700	Ant1	8.35	0.1	8.45	24	Pass
NVNT	n20	5500	Ant1	9.52	0.1	9.62	24	Pass
NVNT	n20	5600	Ant1	9.18	0.1	9.28	24	Pass
NVNT	n20	5700	Ant1	7.63	0.1	7.73	24	Pass
NVNT	n40	5510	Ant1	9.27	0.2	9.47	24	Pass
NVNT	n40	5590	Ant1	9.06	0.2	9.26	24	Pass
NVNT	n40	5670	Ant1	9.09	0.2	9.29	24	Pass
NVNT	ac20	5500	Ant1	9.59	0.1	9.69	24	Pass
NVNT	ac20	5600	Ant1	9.27	0.1	9.37	24	Pass
NVNT	ac20	5700	Ant1	7.97	0.1	8.07	24	Pass
NVNT	ac40	5510	Ant1	9.25	0.21	9.46	24	Pass
NVNT	ac40	5590	Ant1	9.23	0.2	9.43	24	Pass
NVNT	ac40	5670	Ant1	9.11	0.2	9.31	24	Pass
NVNT	ac80	5530	Ant1	9.14	0.39	9.53	24	Pass
NVNT	ac80	5610	Ant1	9.6	0.39	9.99	24	Pass

-26dB Bandwidth

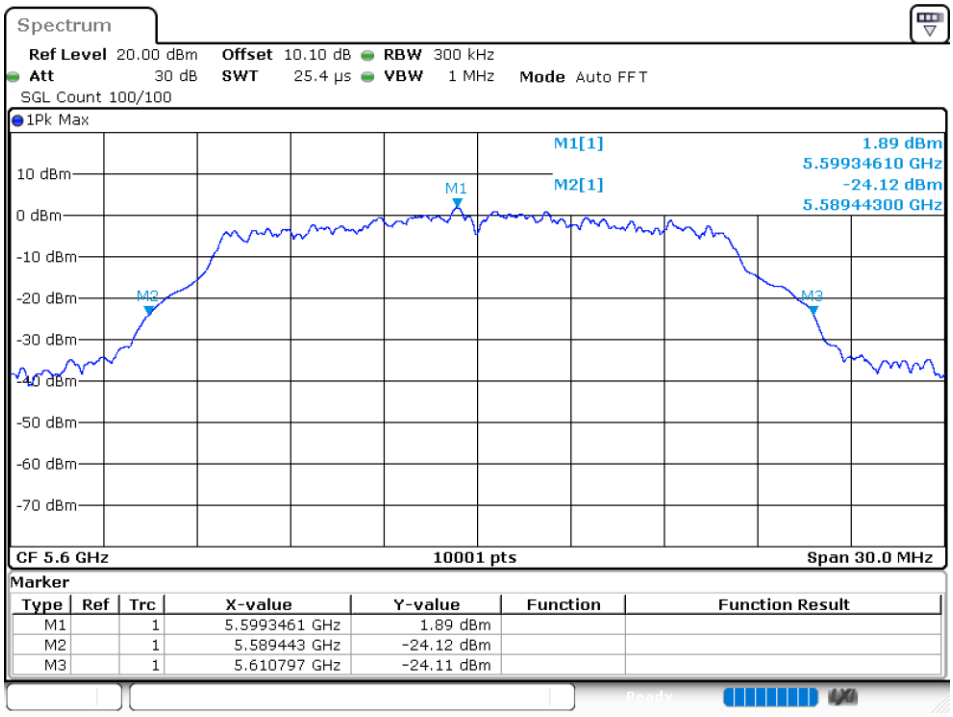
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	20.853	Pass
NVNT	a	5600	Ant1	21.354	Pass
NVNT	a	5700	Ant1	20.994	Pass
NVNT	n20	5500	Ant1	21.234	Pass
NVNT	n20	5600	Ant1	21.039	Pass
NVNT	n20	5700	Ant1	21.366	Pass
NVNT	n40	5510	Ant1	39.792	Pass
NVNT	n40	5590	Ant1	40.02	Pass
NVNT	n40	5670	Ant1	48.63	Pass
NVNT	ac20	5500	Ant1	21.108	Pass
NVNT	ac20	5600	Ant1	20.928	Pass
NVNT	ac20	5700	Ant1	20.904	Pass
NVNT	ac40	5510	Ant1	39.6	Pass
NVNT	ac40	5590	Ant1	40.056	Pass
NVNT	ac40	5670	Ant1	48.054	Pass
NVNT	ac80	5530	Ant1	80.868	Pass
NVNT	ac80	5610	Ant1	86.772	Pass

Test Graphs

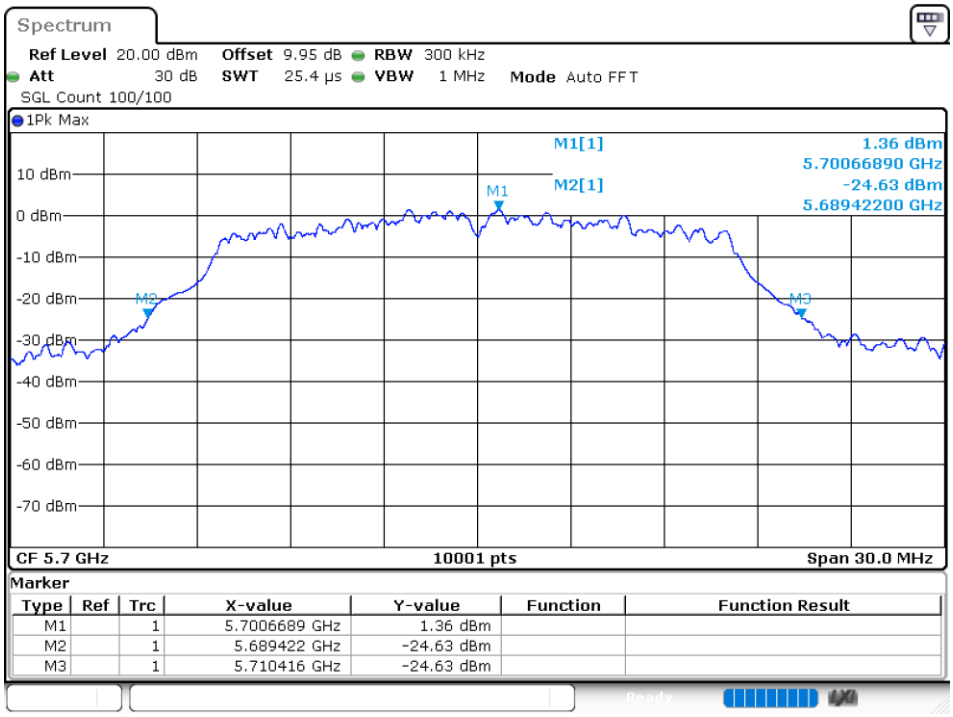
-26dB Bandwidth NVNT a 5500MHz Ant1



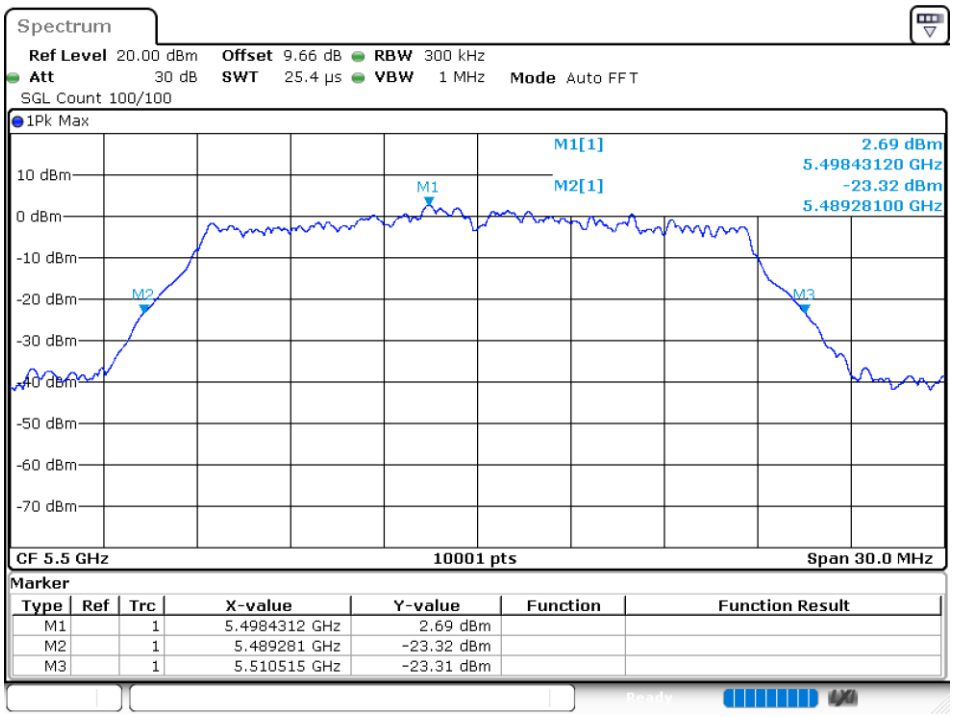
-26dB Bandwidth NVNT a 5600MHz Ant1



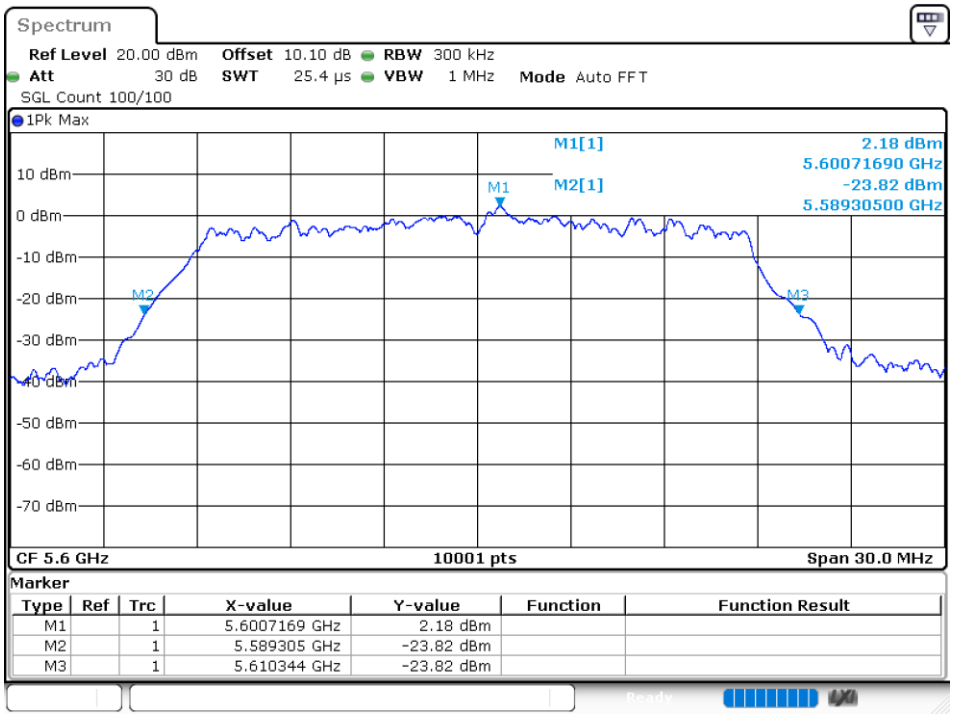
-26dB Bandwidth NVNT a 5700MHz Ant1



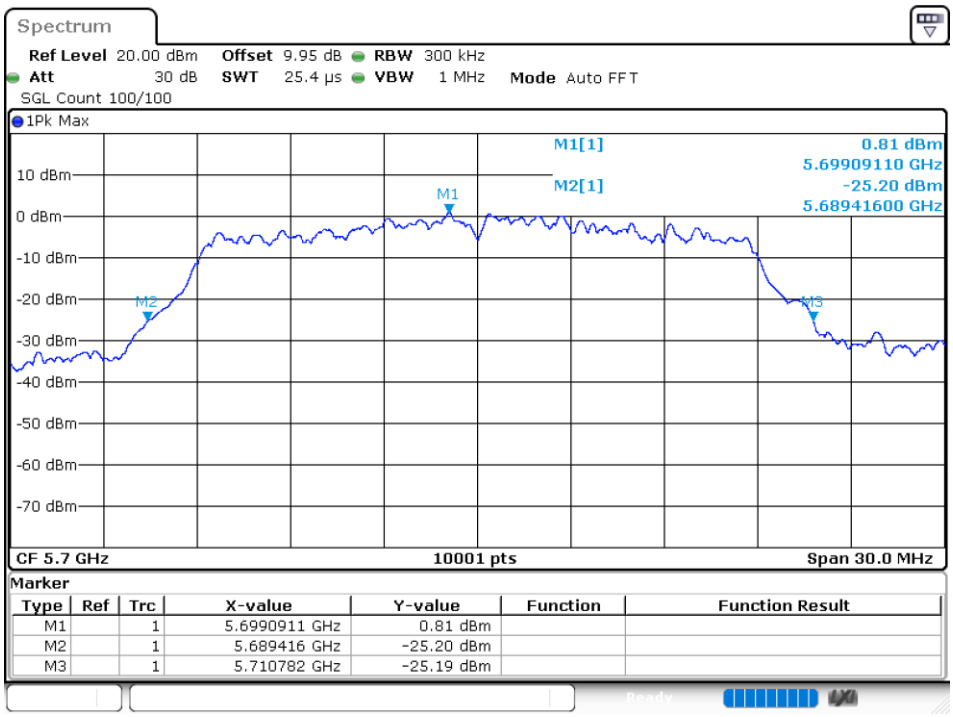
-26dB Bandwidth NVNT n20 5500MHz Ant1



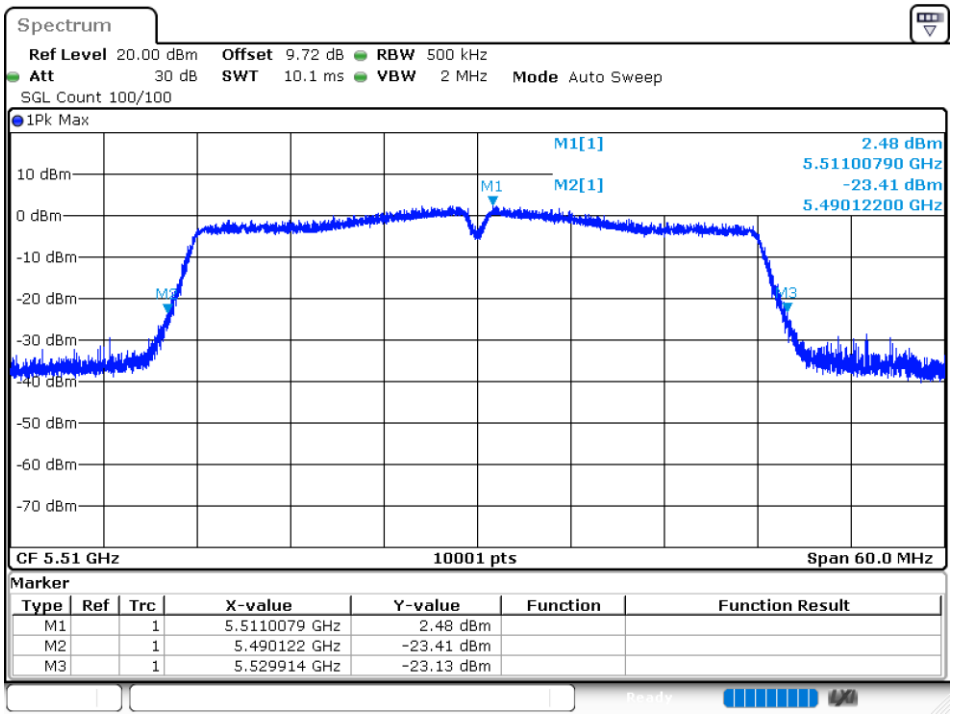
-26dB Bandwidth NVNT n20 5600MHz Ant1



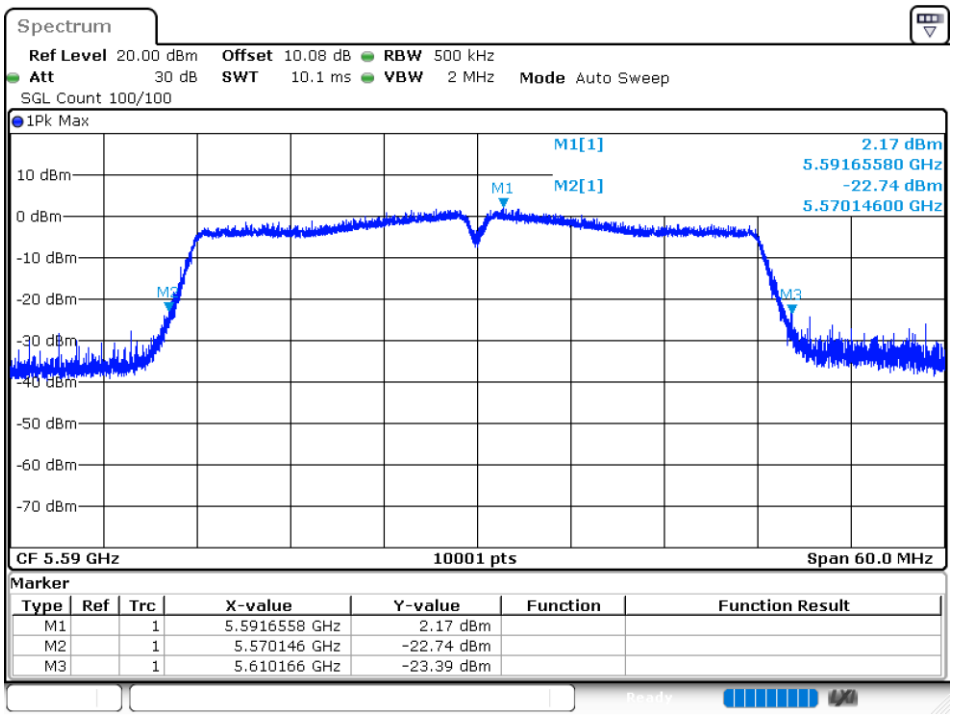
-26dB Bandwidth NVNT n20 5700MHz Ant1



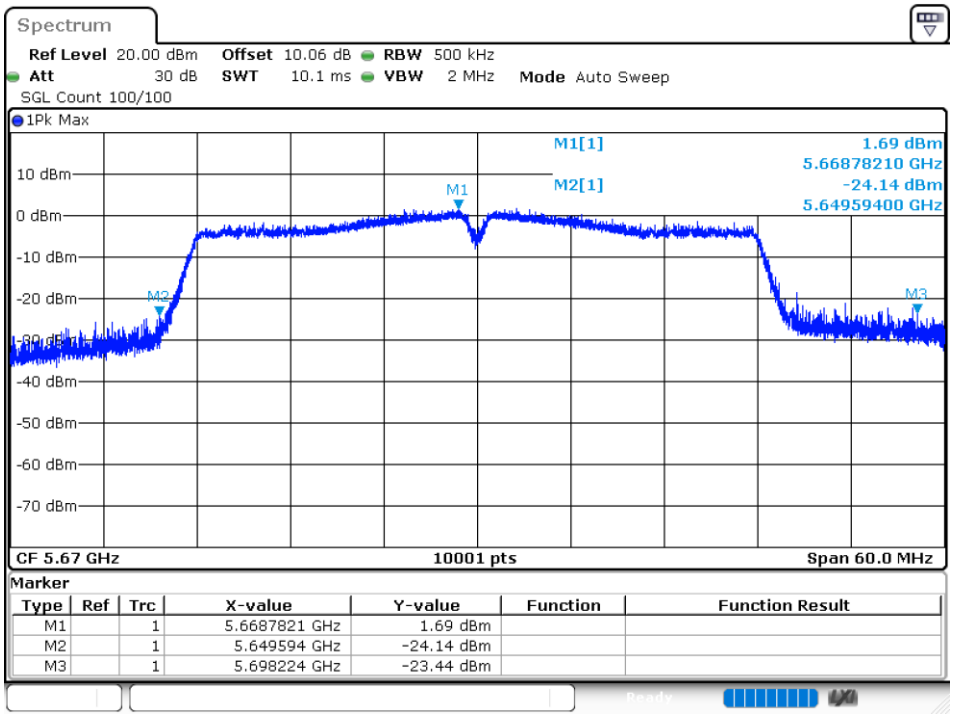
-26dB Bandwidth NVNT n40 5510MHz Ant1



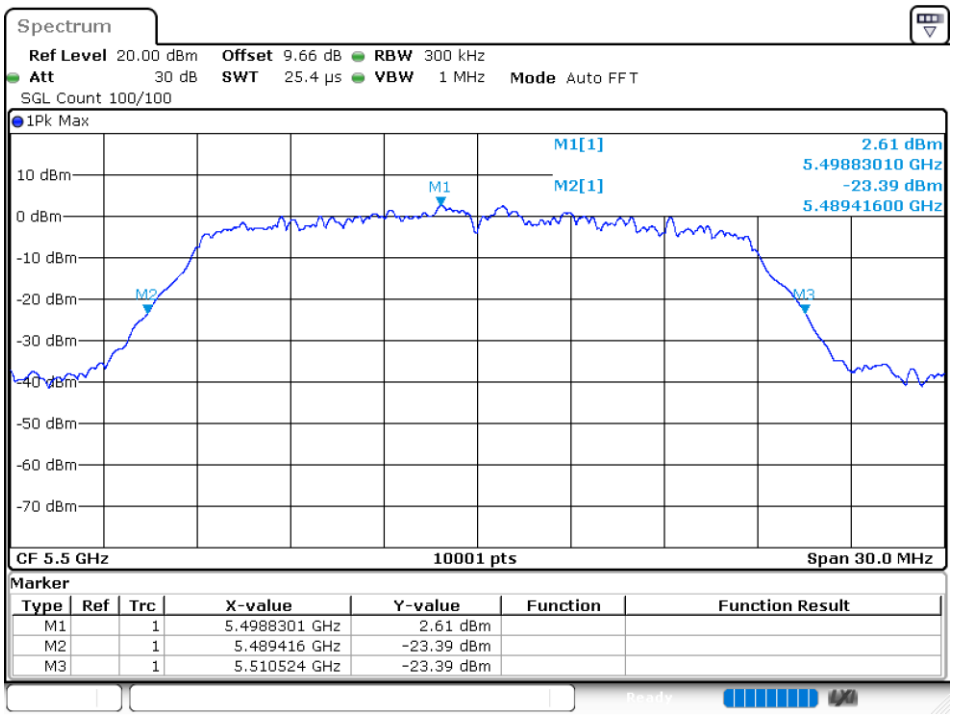
-26dB Bandwidth NVNT n40 5590MHz Ant1



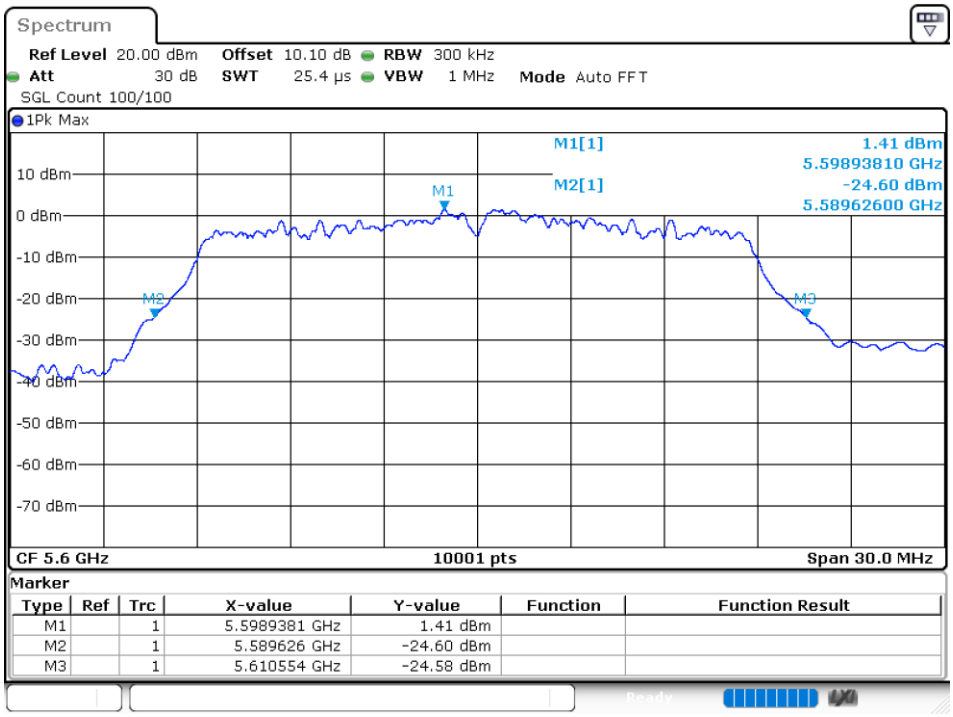
-26dB Bandwidth NVNT n40 5670MHz Ant1



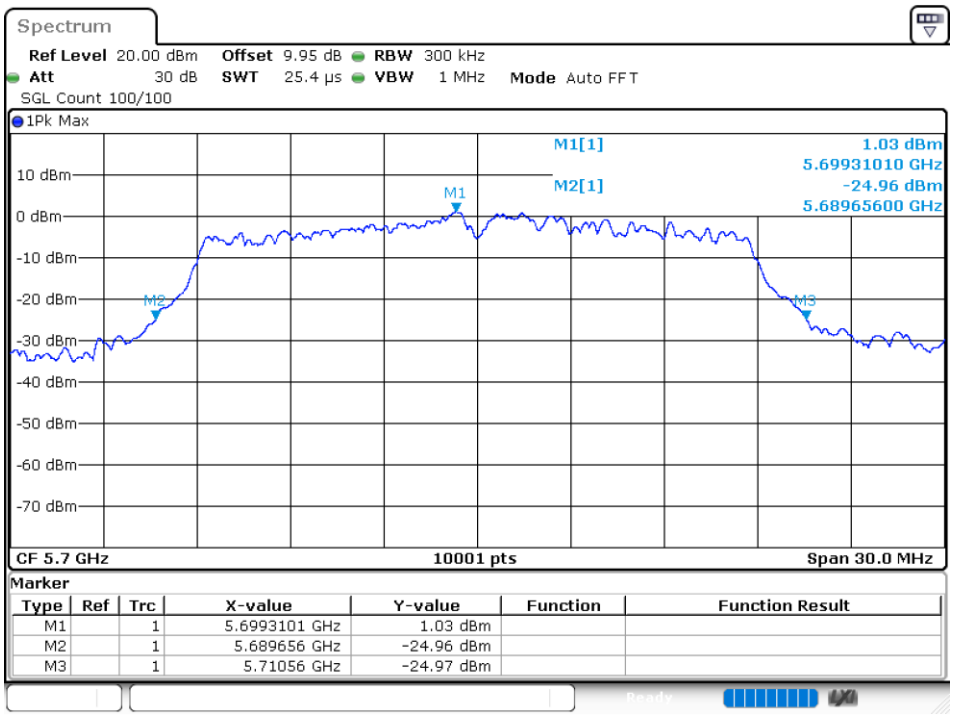
-26dB Bandwidth NVNT ac20 5500MHz Ant1



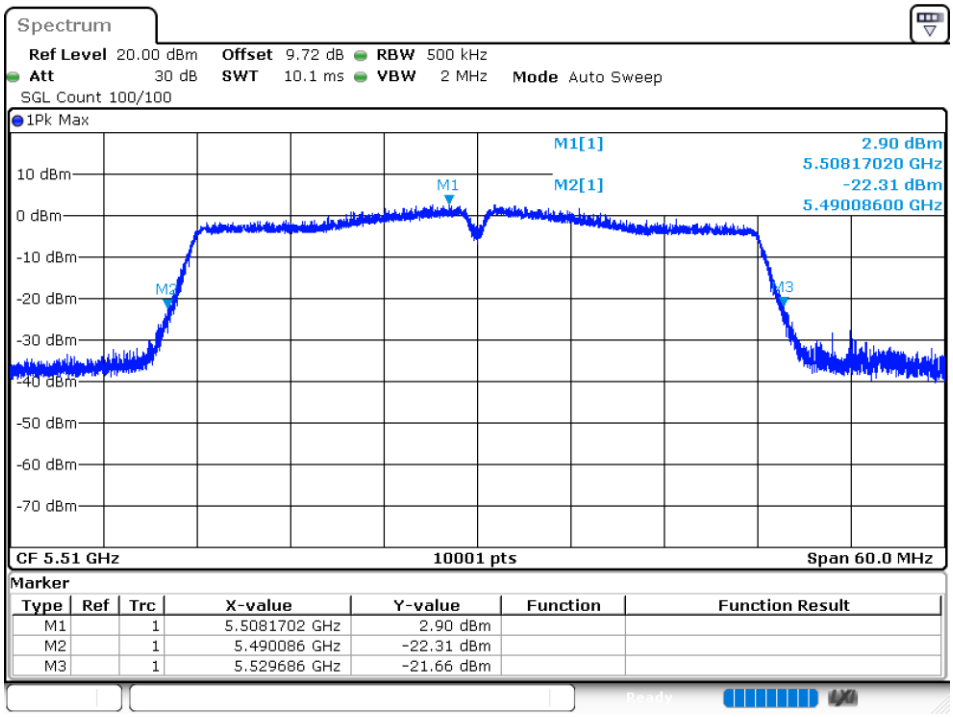
-26dB Bandwidth NVNT ac20 5600MHz Ant1



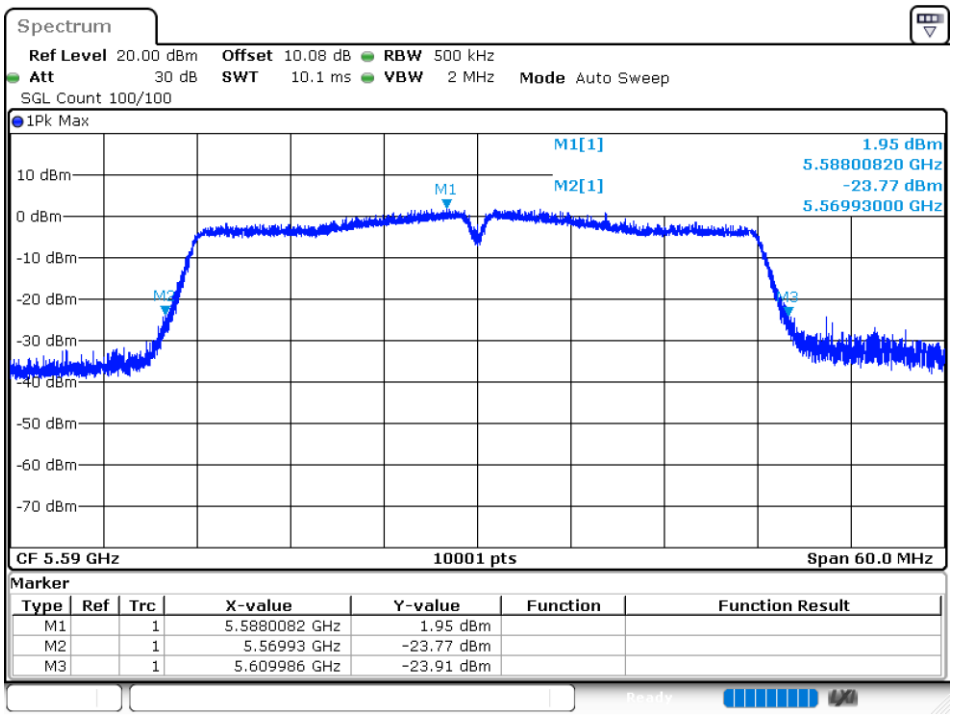
-26dB Bandwidth NVNT ac20 5700MHz Ant1



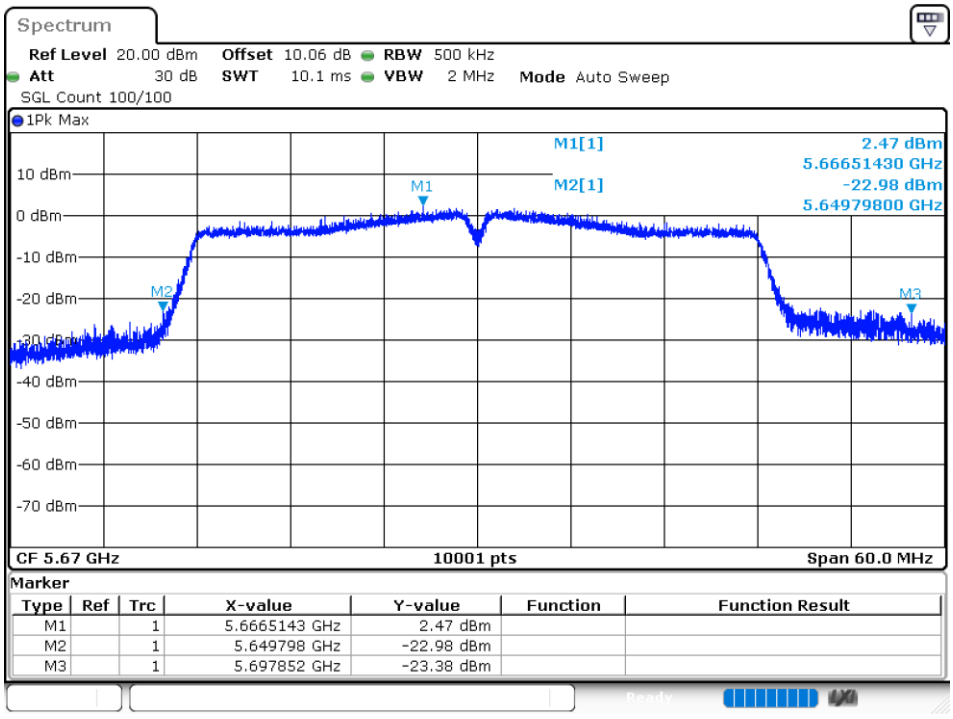
-26dB Bandwidth NVNT ac40 5510MHz Ant1



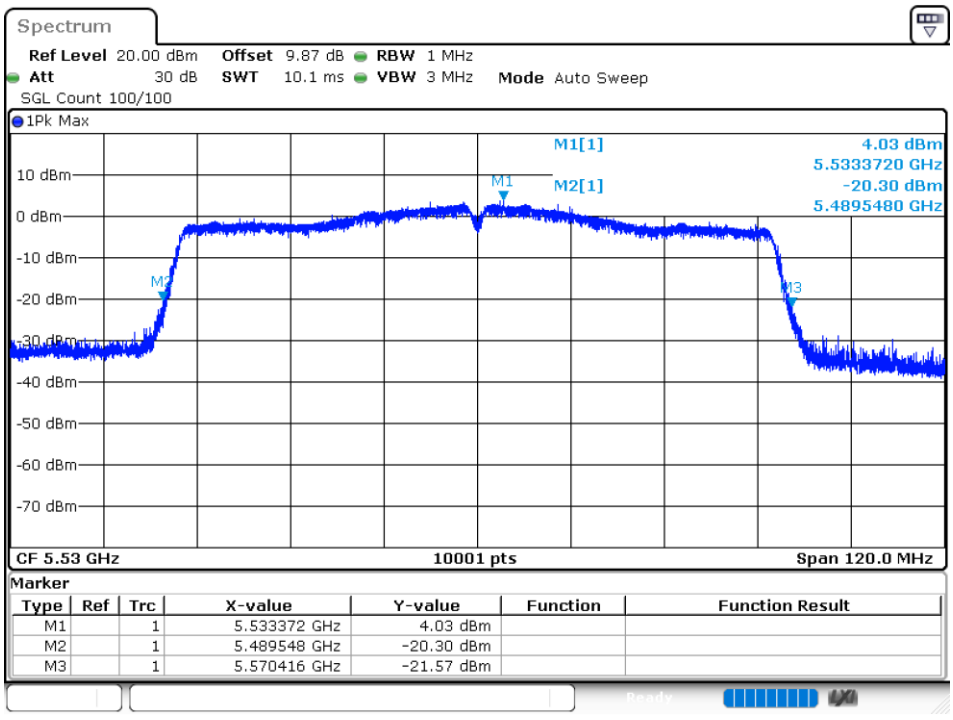
-26dB Bandwidth NVNT ac40 5590MHz Ant1



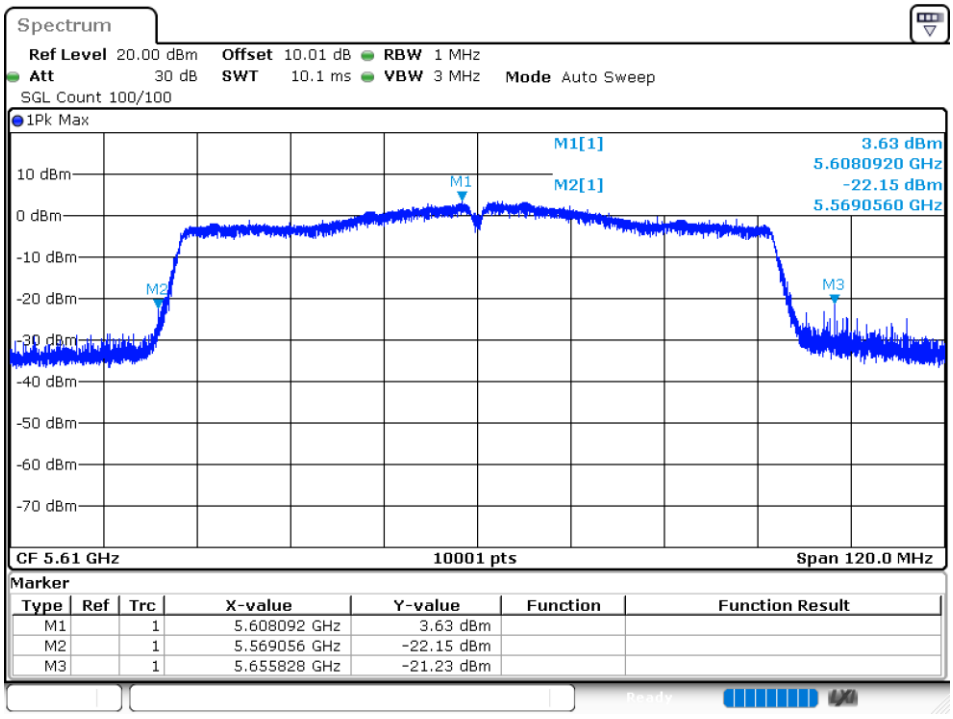
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



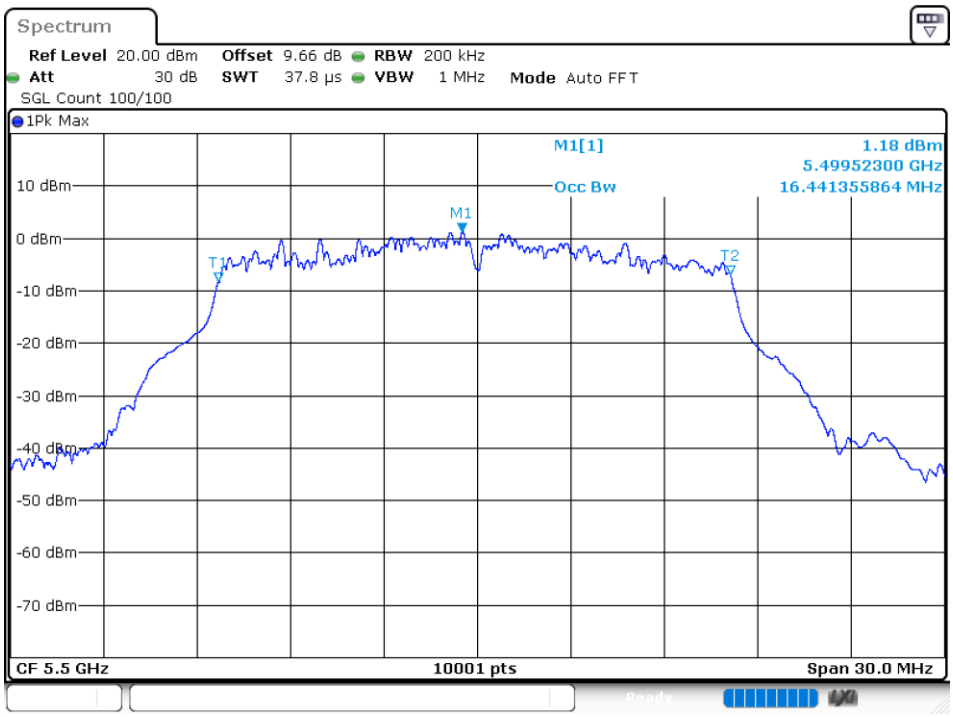
-26dB Bandwidth NVNT ac80 5610MHz Ant1



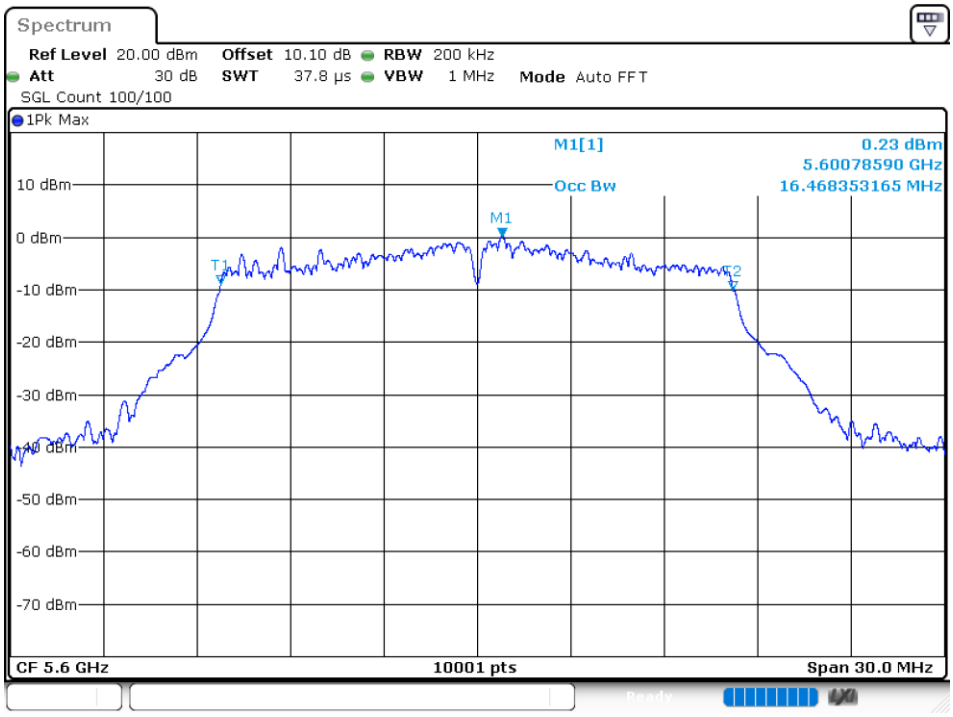
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.441
NVNT	a	5600	Ant1	16.468
NVNT	a	5700	Ant1	16.474
NVNT	n20	5500	Ant1	17.572
NVNT	n20	5600	Ant1	17.674
NVNT	n20	5700	Ant1	17.635
NVNT	n40	5510	Ant1	36.146
NVNT	n40	5590	Ant1	36.158
NVNT	n40	5670	Ant1	36.23
NVNT	ac20	5500	Ant1	17.575
NVNT	ac20	5600	Ant1	17.755
NVNT	ac20	5700	Ant1	17.815
NVNT	ac40	5510	Ant1	36.134
NVNT	ac40	5590	Ant1	36.164
NVNT	ac40	5670	Ant1	36.272
NVNT	ac80	5530	Ant1	75.22
NVNT	ac80	5610	Ant1	75.16

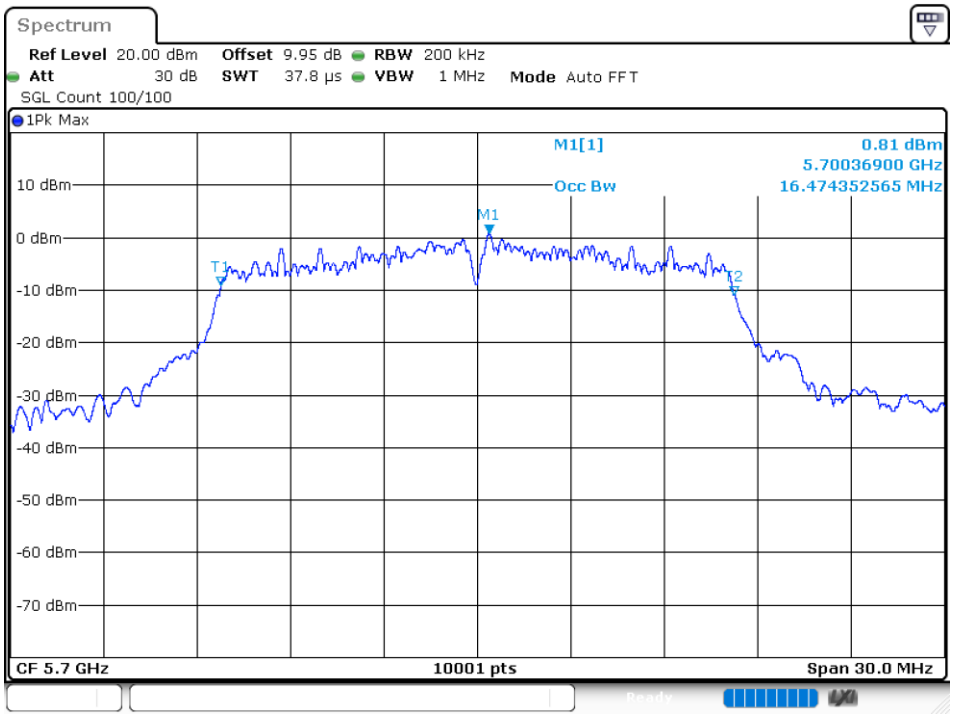
Test Graphs
OBW NVNT a 5500MHz Ant1



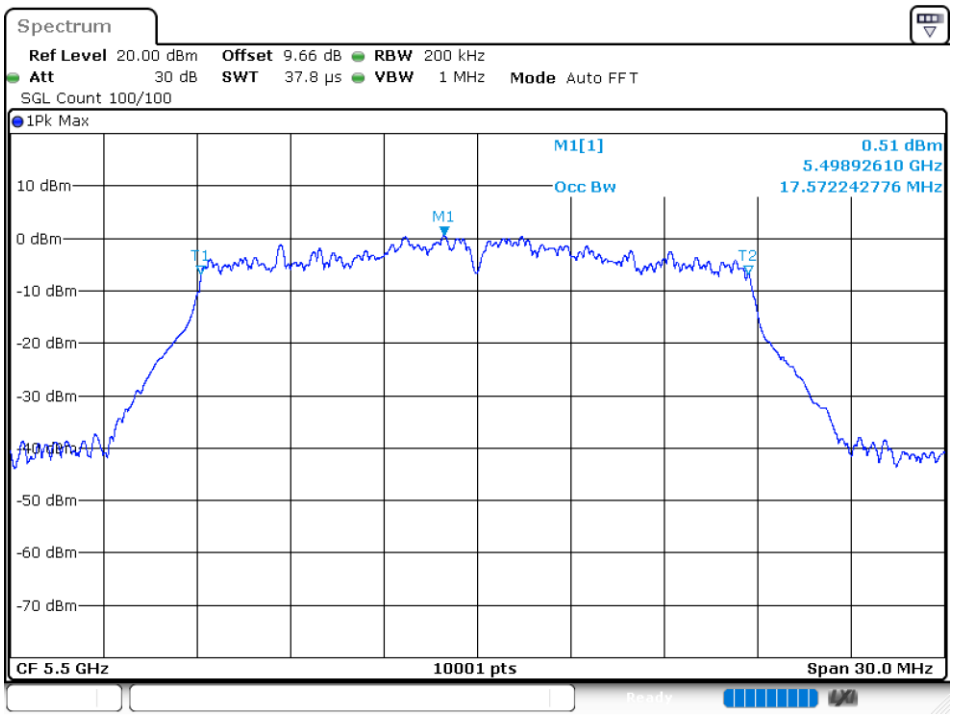
OBW NVNT a 5600MHz Ant1



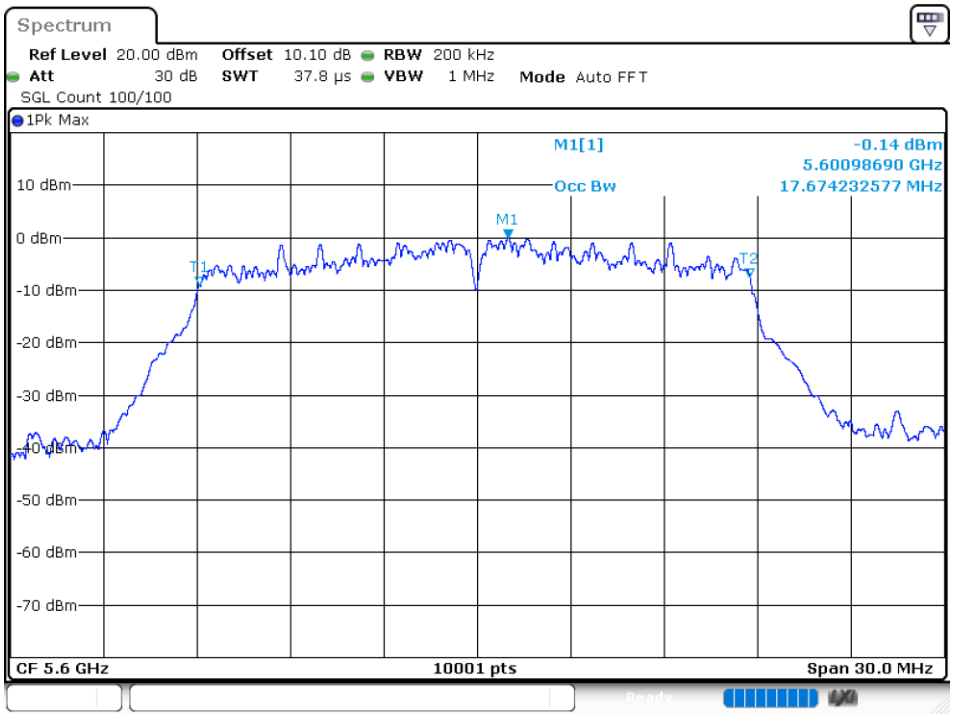
OBW NVNT a 5700MHz Ant1



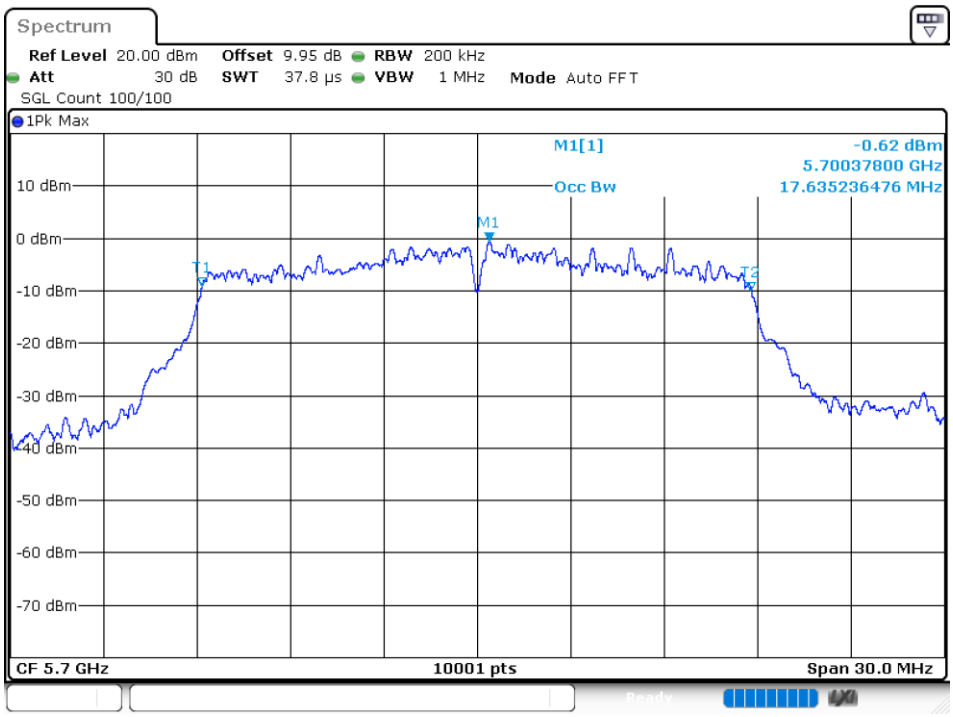
OBW NVNT n20 5500MHz Ant1



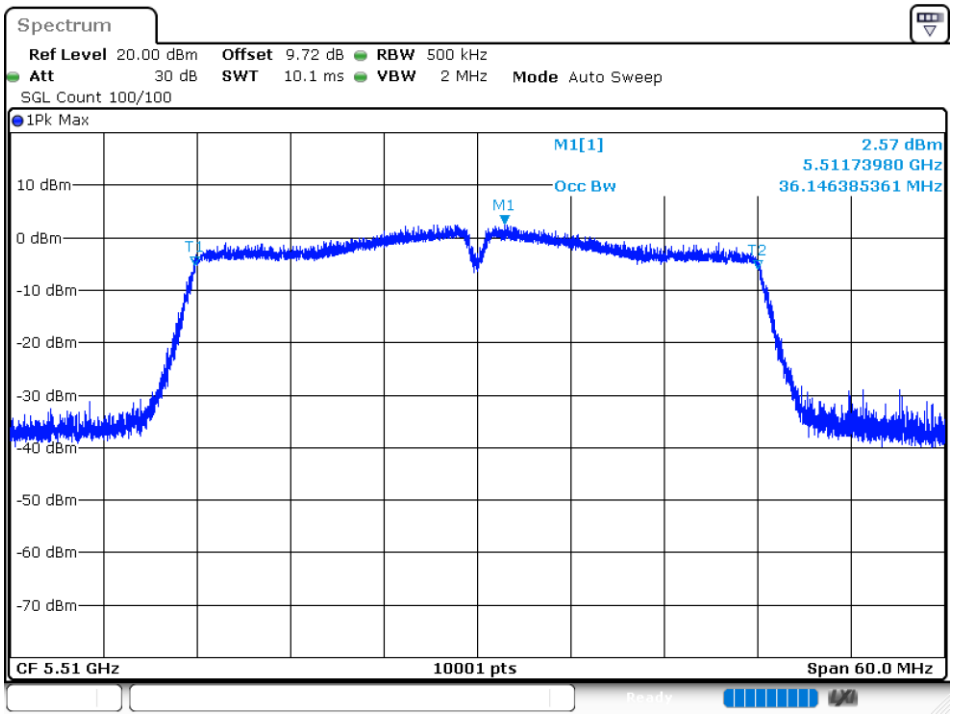
OBW NVNT n20 5600MHz Ant1



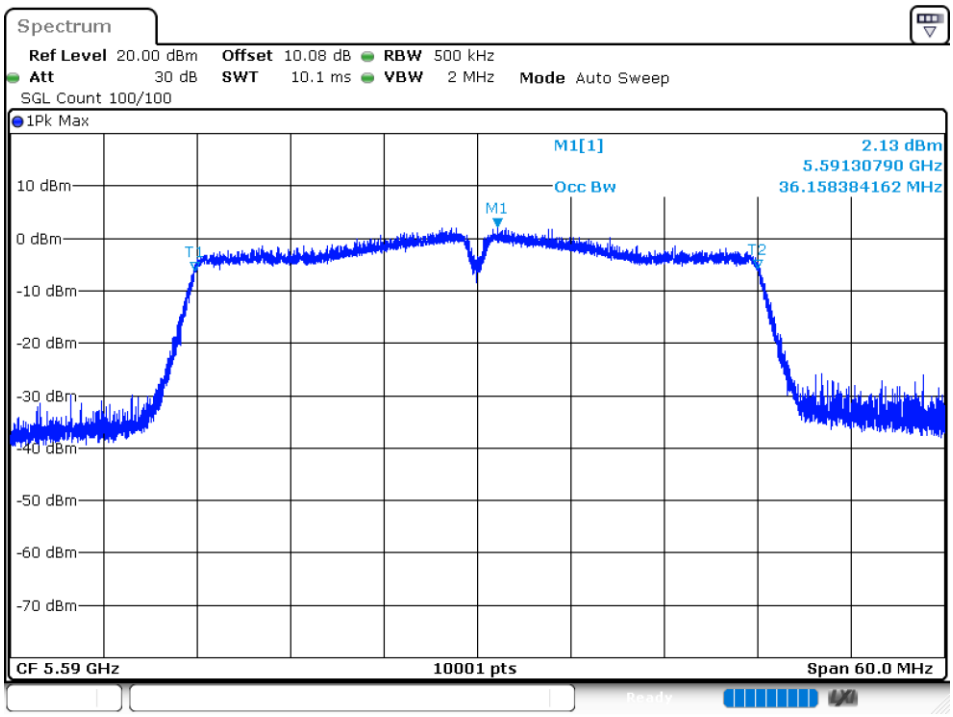
OBW NVNT n20 5700MHz Ant1



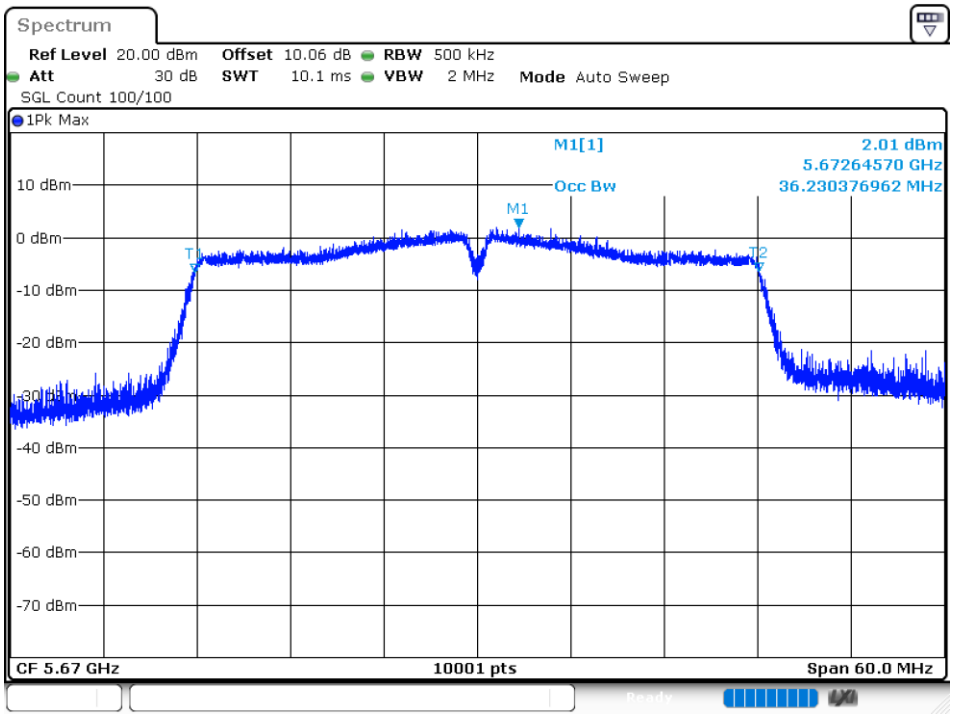
OBW NVNT n40 5510MHz Ant1



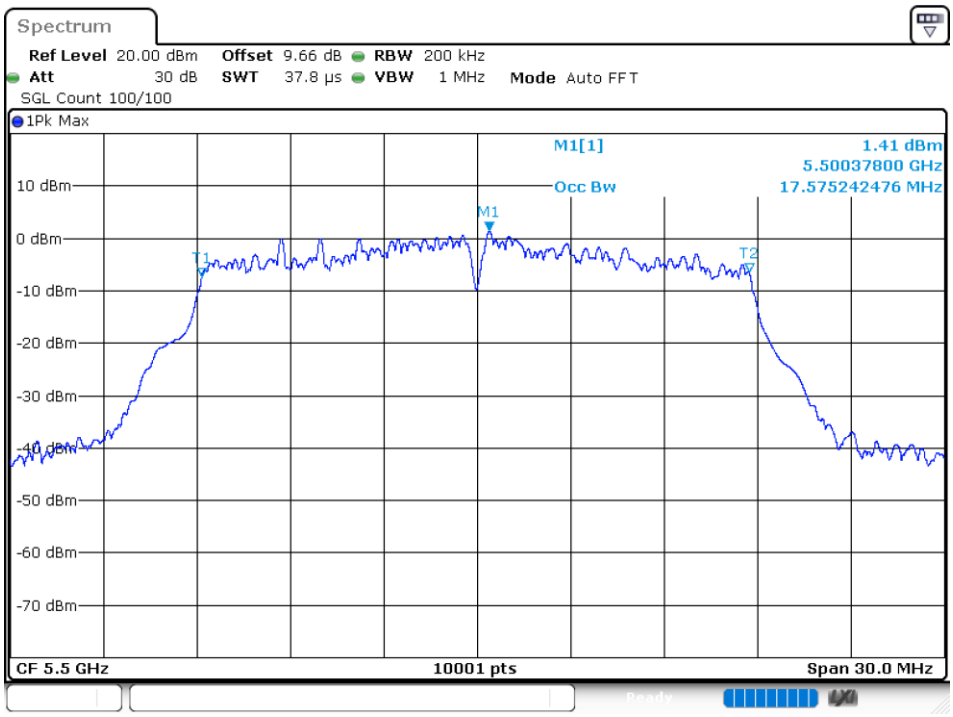
OBW NVNT n40 5590MHz Ant1



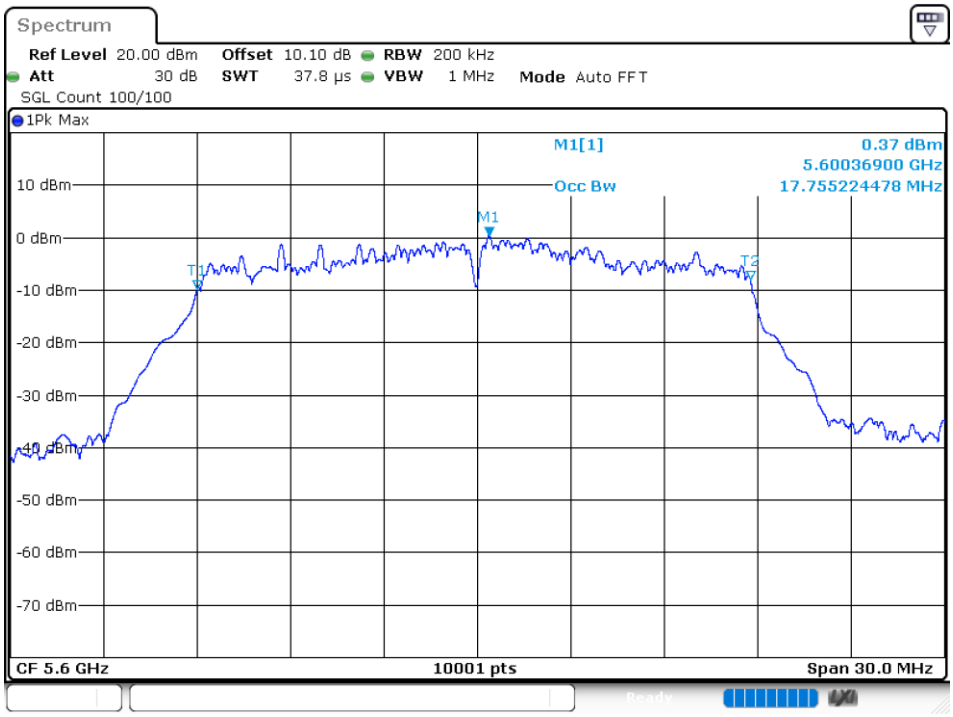
OBW NVNT n40 5670MHz Ant1



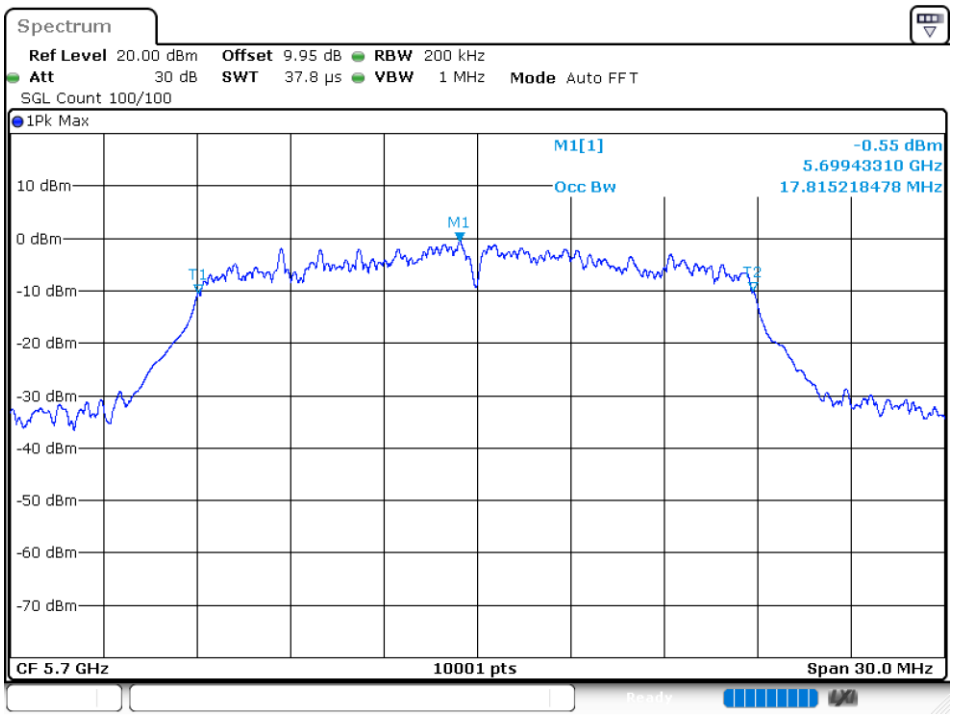
OBW NVNT ac20 5500MHz Ant1



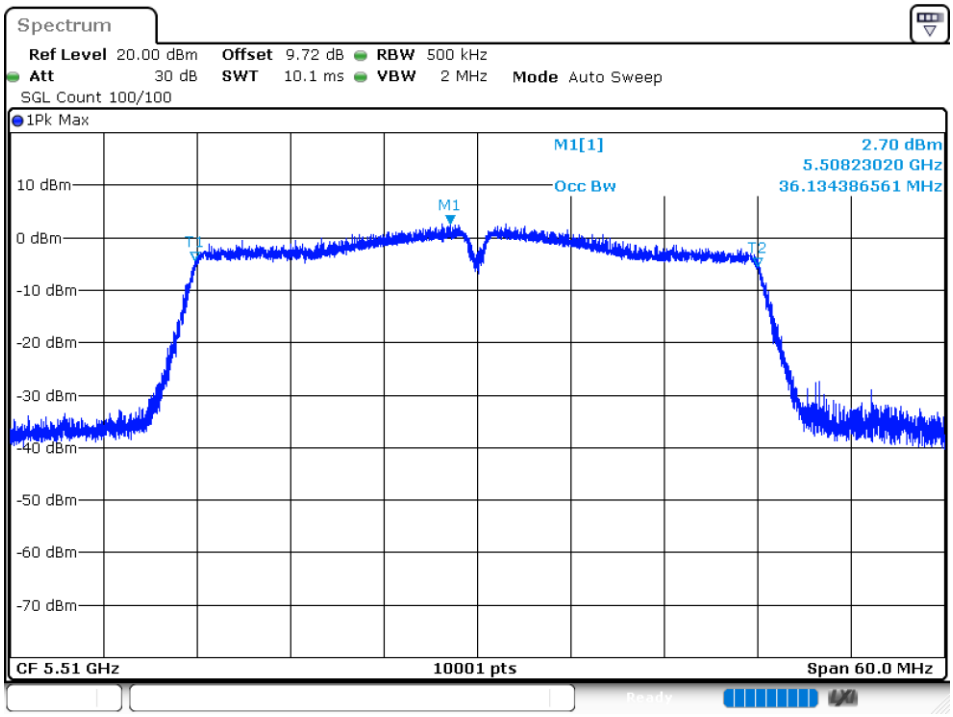
OBW NVNT ac20 5600MHz Ant1



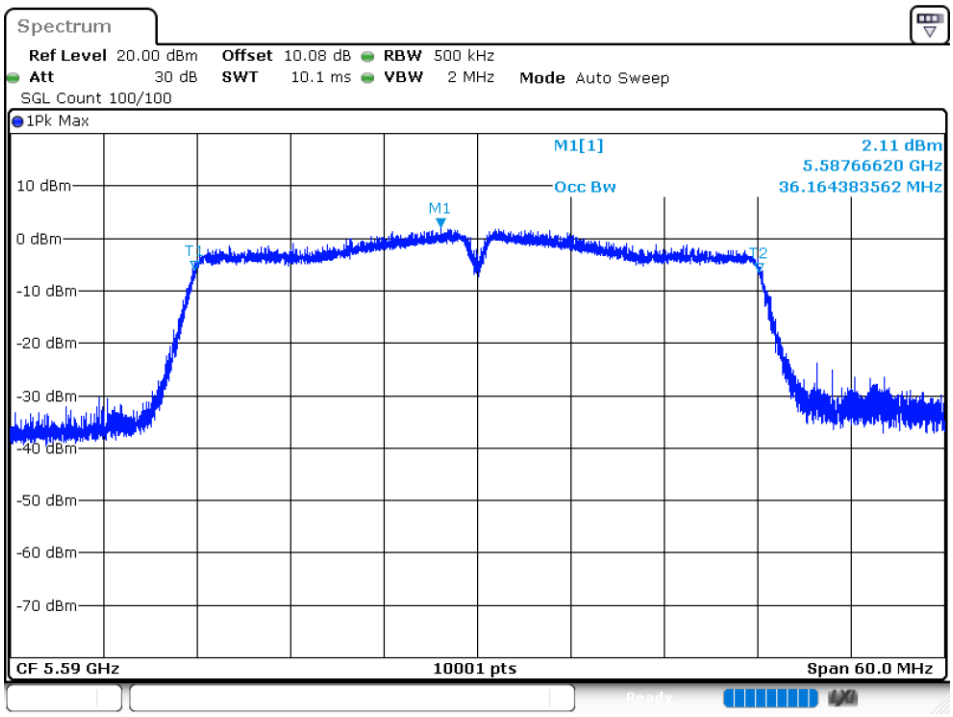
OBW NVNT ac20 5700MHz Ant1



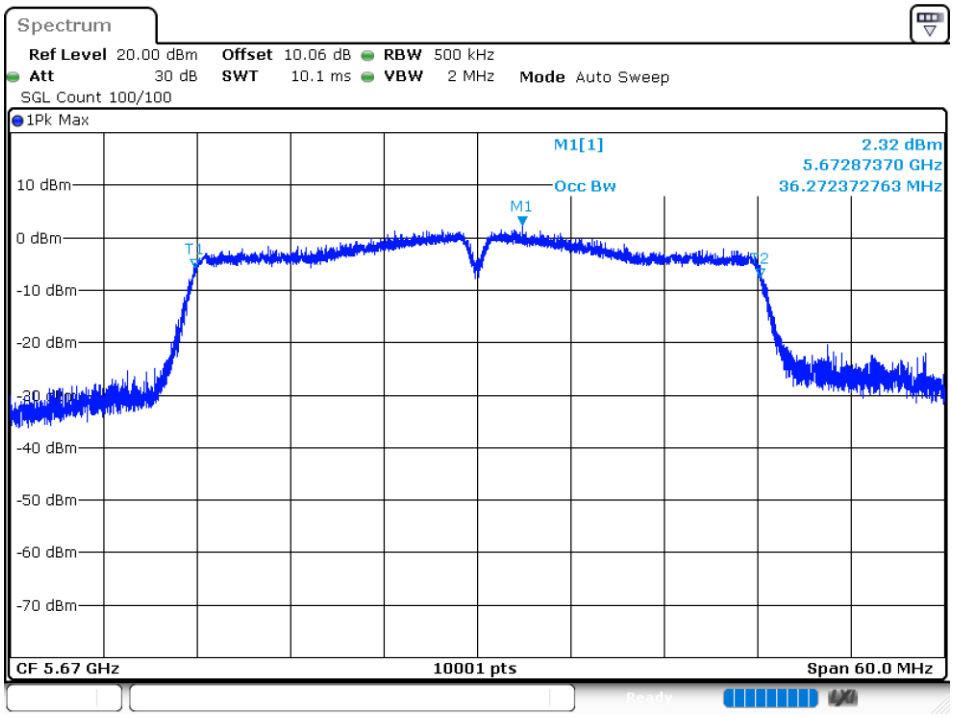
OBW NVNT ac40 5510MHz Ant1



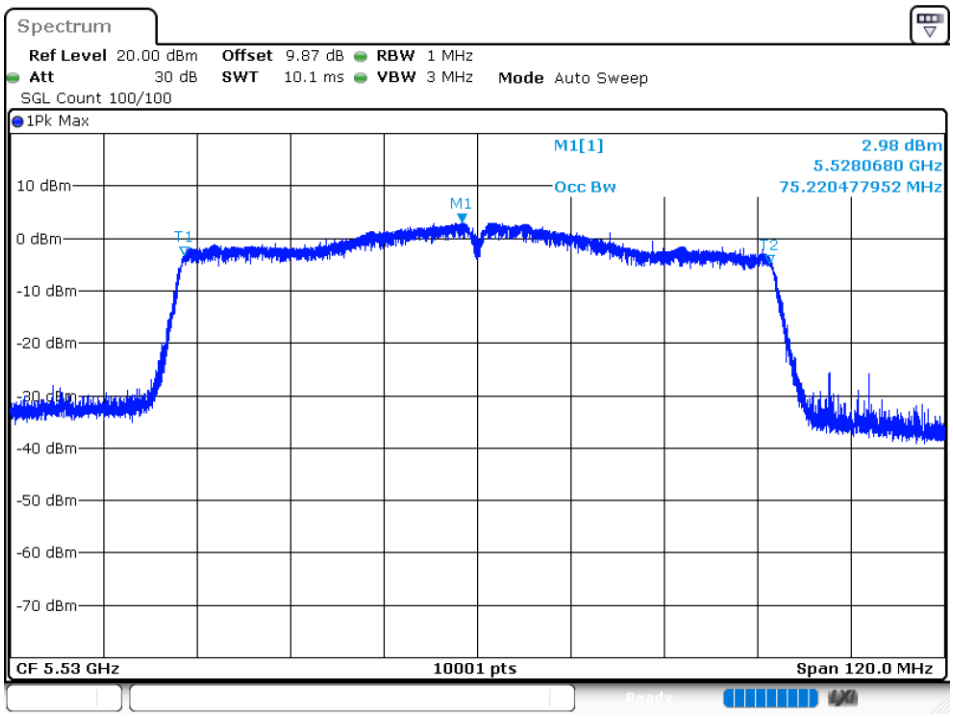
OBW NVNT ac40 5590MHz Ant1



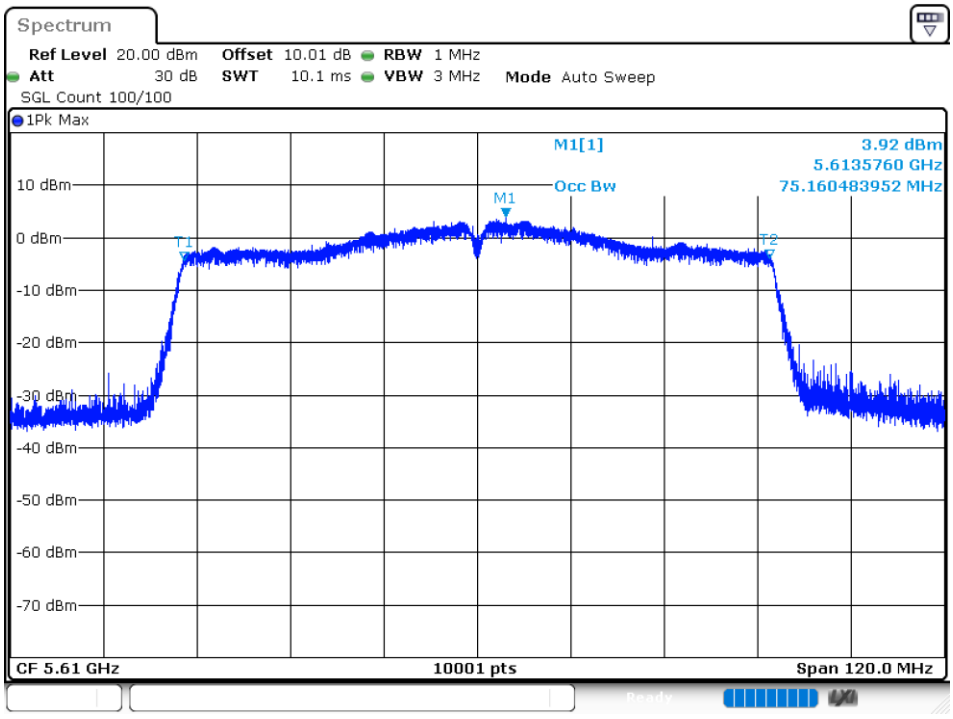
OBW NVNT ac40 5670MHz Ant1



OBW NVNT ac80 5530MHz Ant1



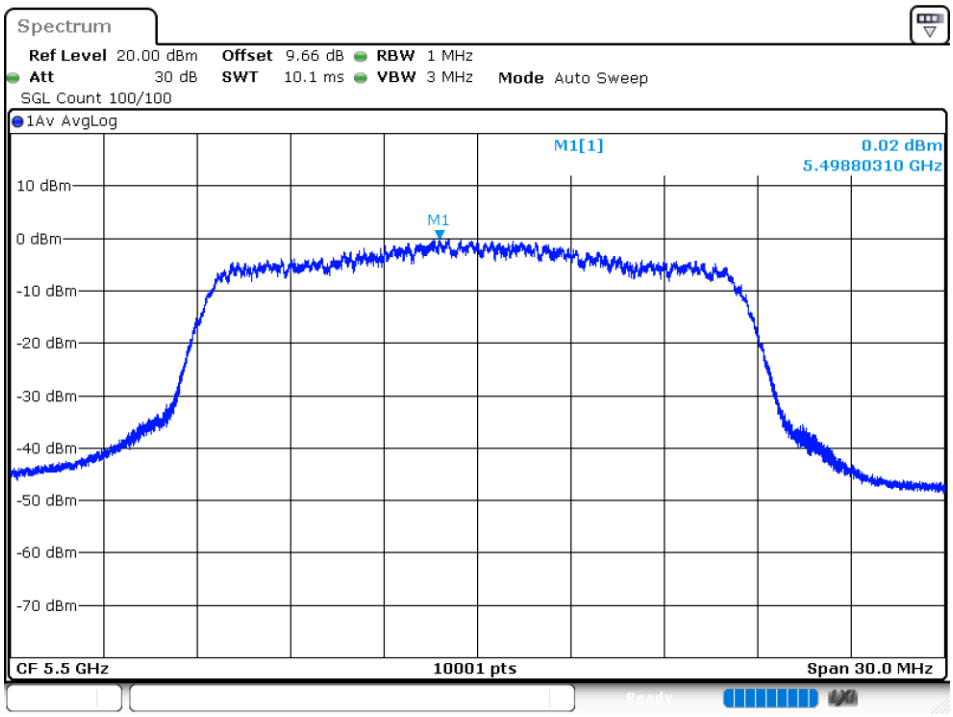
OBW NVNT ac80 5610MHz Ant1



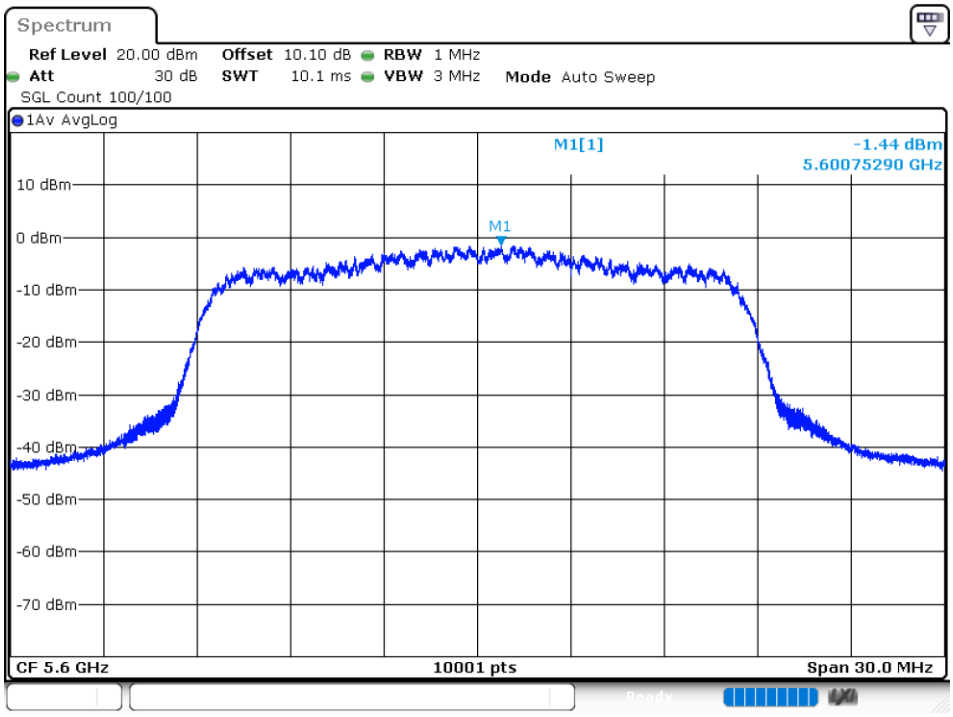
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	0.02	0.1	0.12	11	Pass
NVNT	a	5600	Ant1	-1.44	0.1	-1.34	11	Pass
NVNT	a	5700	Ant1	-0.99	0.1	-0.89	11	Pass
NVNT	n20	5500	Ant1	-0.52	0.1	-0.42	11	Pass
NVNT	n20	5600	Ant1	-1.18	0.1	-1.08	11	Pass
NVNT	n20	5700	Ant1	-1.95	0.1	-1.85	11	Pass
NVNT	n40	5510	Ant1	-4.51	0.2	-4.31	11	Pass
NVNT	n40	5590	Ant1	-4.86	0.2	-4.66	11	Pass
NVNT	n40	5670	Ant1	-4.93	0.2	-4.73	11	Pass
NVNT	ac20	5500	Ant1	-0.36	0.1	-0.26	11	Pass
NVNT	ac20	5600	Ant1	-1.12	0.1	-1.02	11	Pass
NVNT	ac20	5700	Ant1	-1.59	0.1	-1.49	11	Pass
NVNT	ac40	5510	Ant1	-3.78	0.21	-3.57	11	Pass
NVNT	ac40	5590	Ant1	-4.61	0.2	-4.41	11	Pass
NVNT	ac40	5670	Ant1	-5.55	0.2	-5.35	11	Pass
NVNT	ac80	5530	Ant1	-9.42	0.39	-9.03	11	Pass
NVNT	ac80	5610	Ant1	-7.42	0.39	-7.03	11	Pass

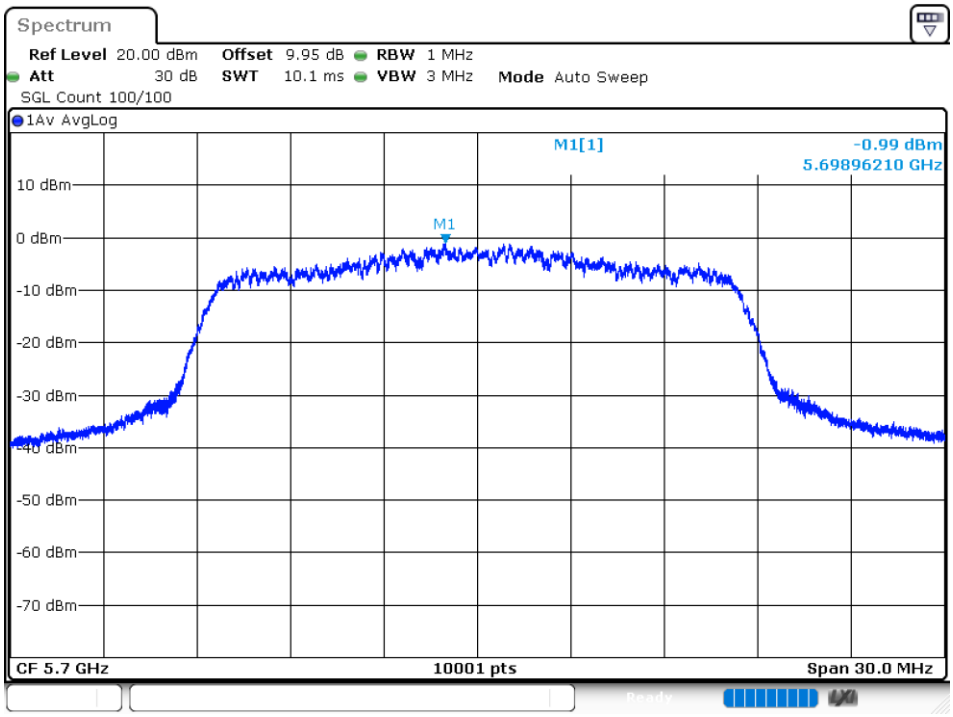
Test Graphs
PSD NVNT a 5500MHz Ant1



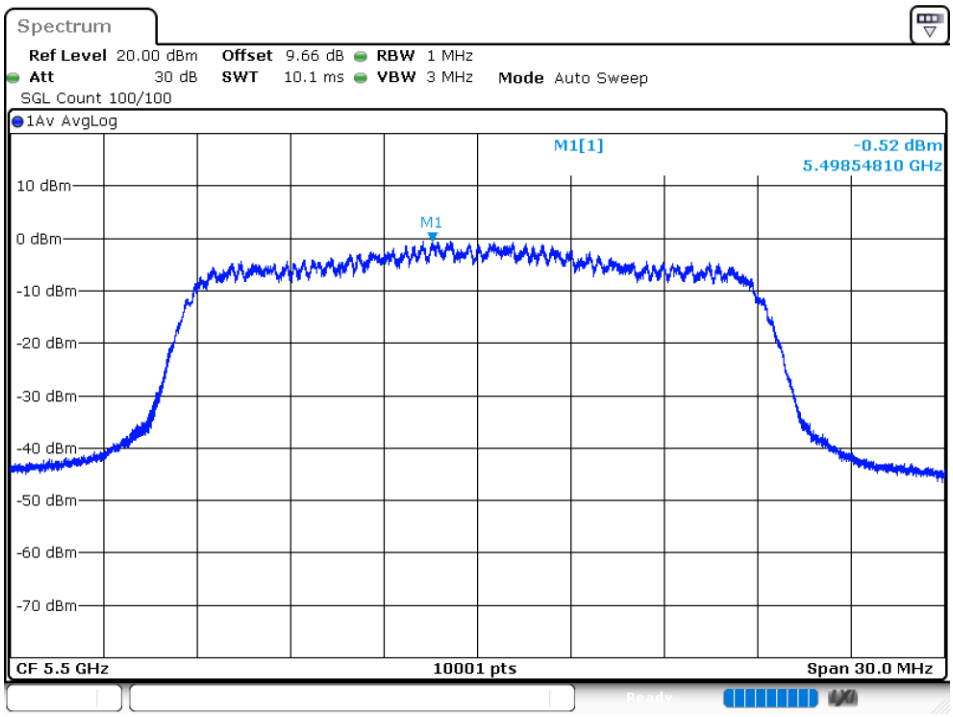
PSD NVNT a 5600MHz Ant1



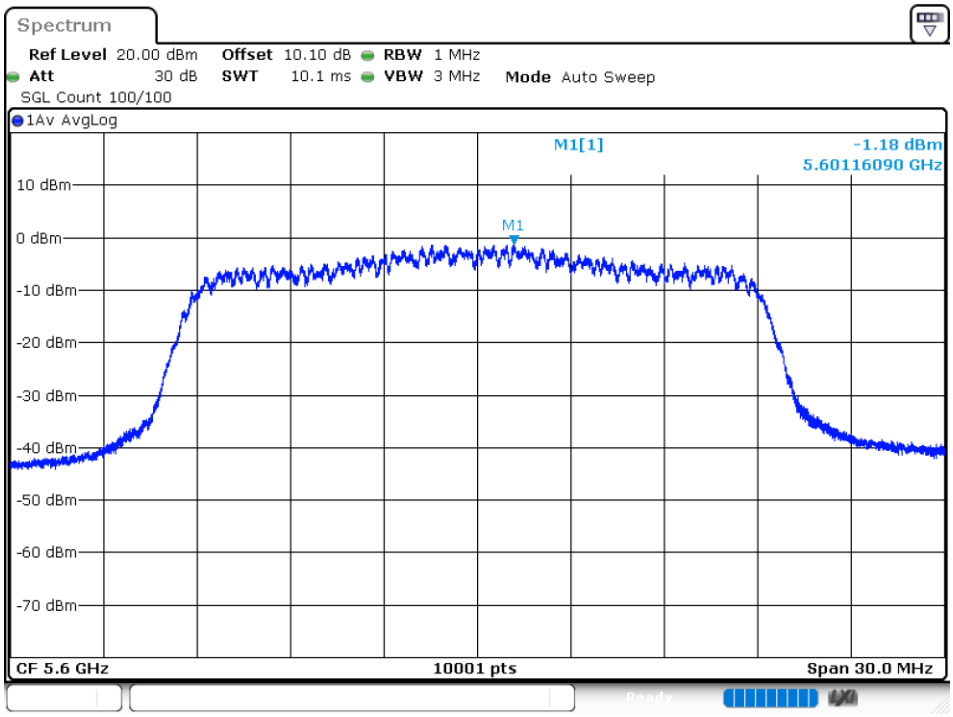
PSD NVNT a 5700MHz Ant1



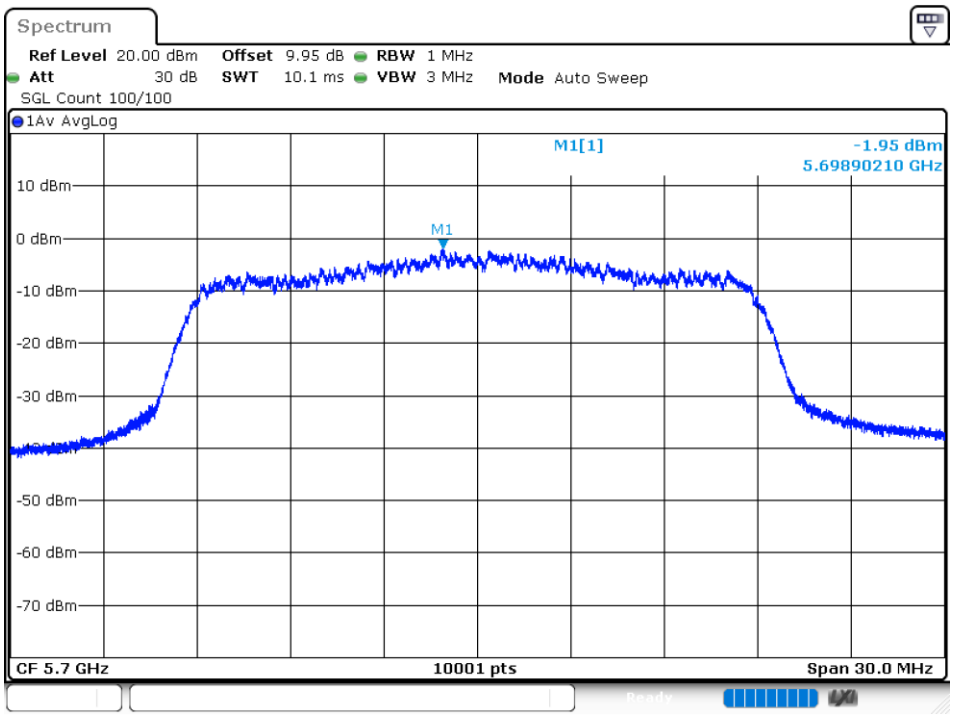
PSD NVNT n20 5500MHz Ant1



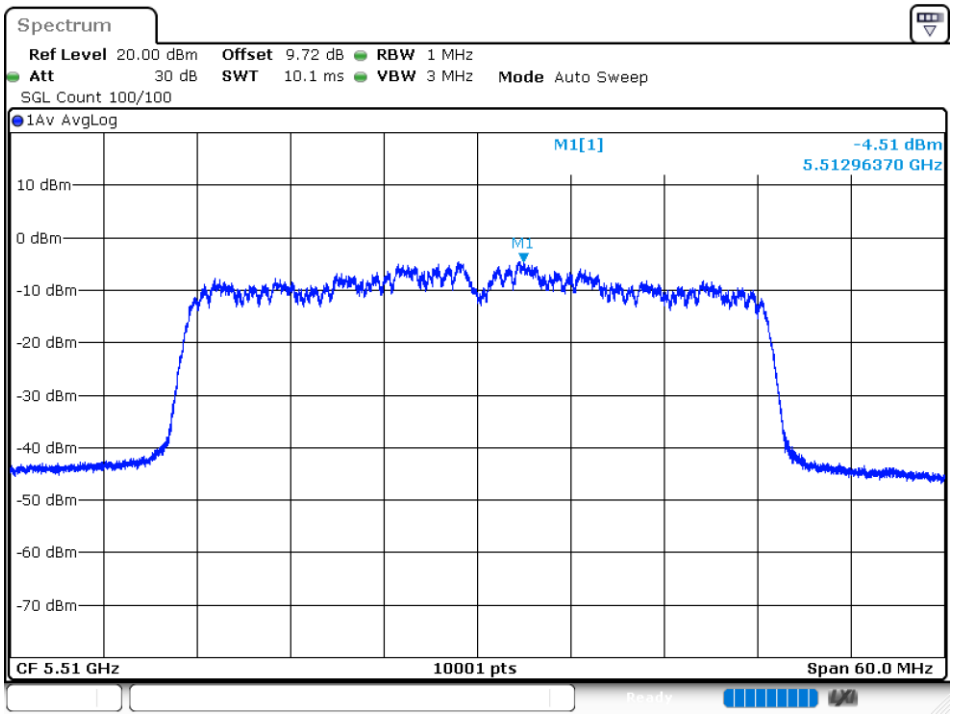
PSD NVNT n20 5600MHz Ant1



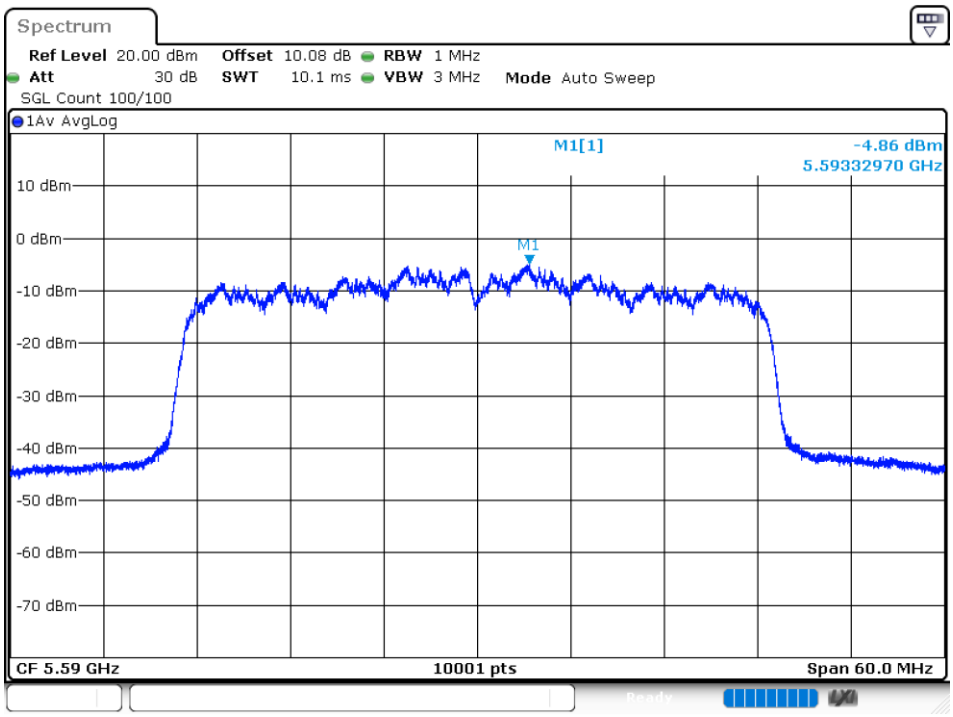
PSD NVNT n20 5700MHz Ant1



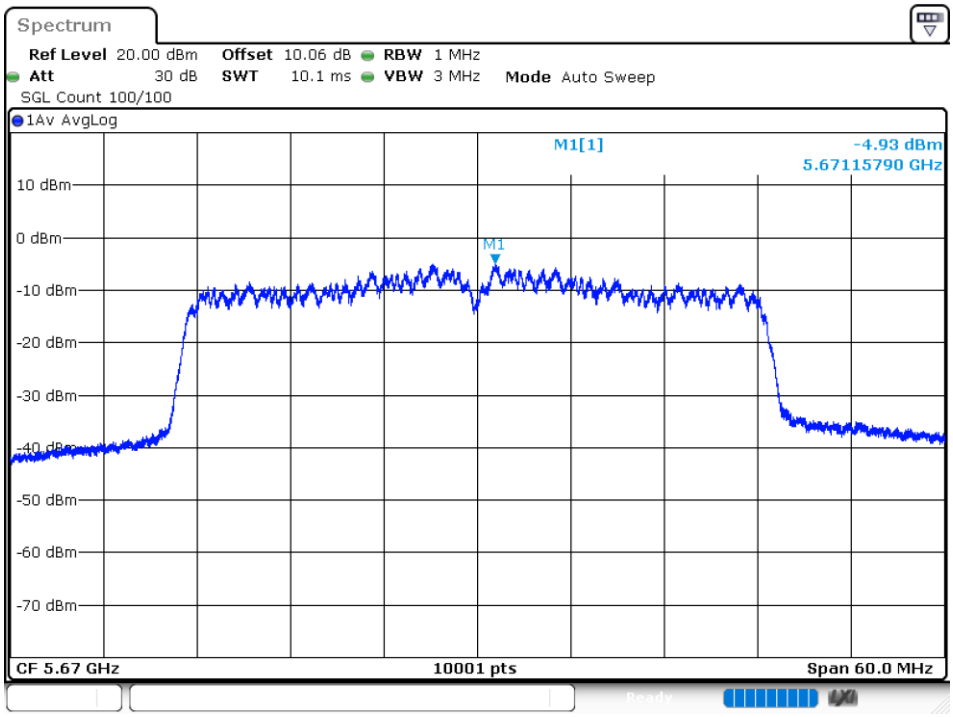
PSD NVNT n40 5510MHz Ant1



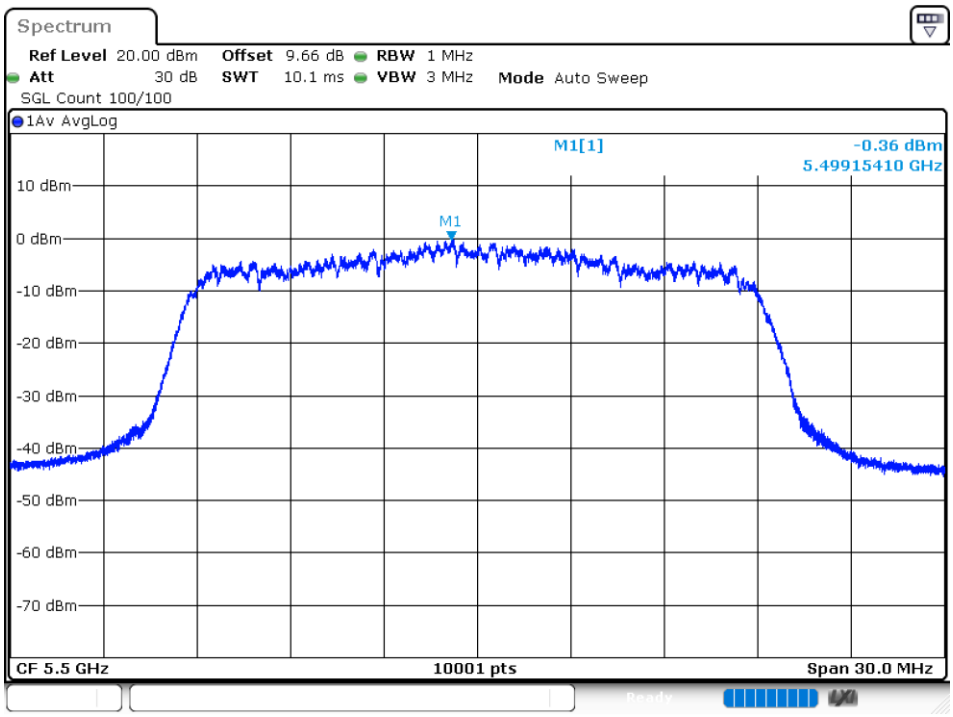
PSD NVNT n40 5590MHz Ant1



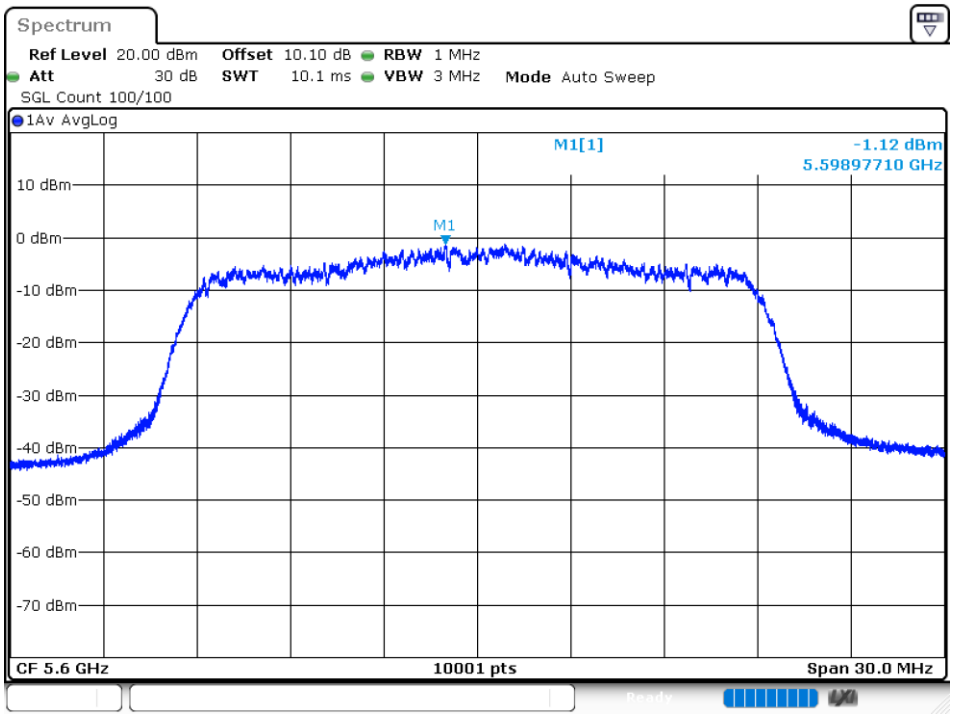
PSD NVNT n40 5670MHz Ant1



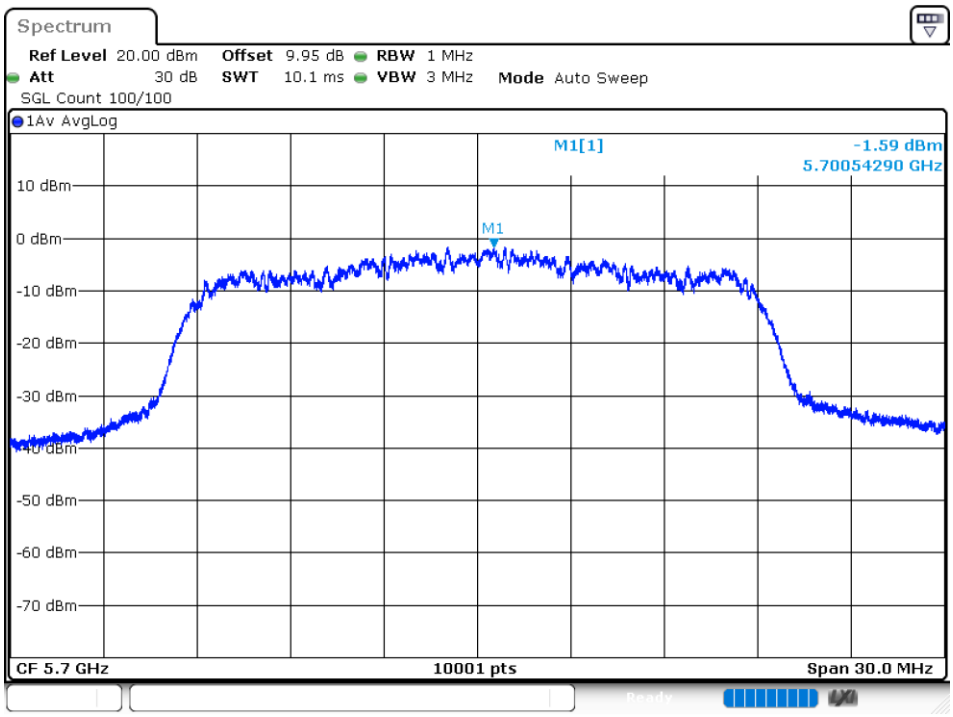
PSD NVNT ac20 5500MHz Ant1



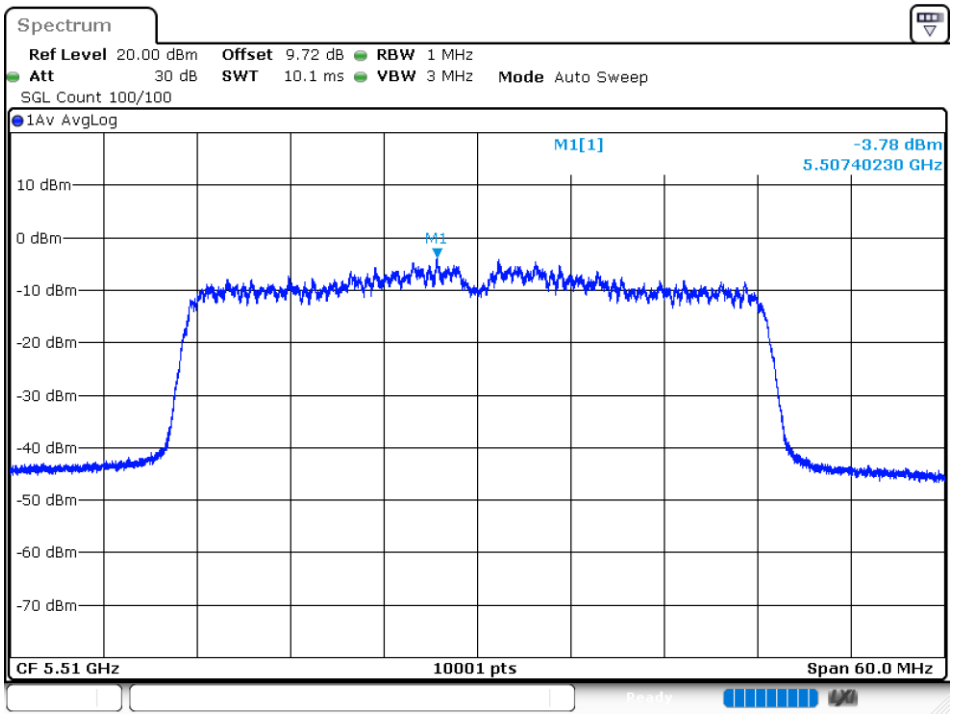
PSD NVNT ac20 5600MHz Ant1



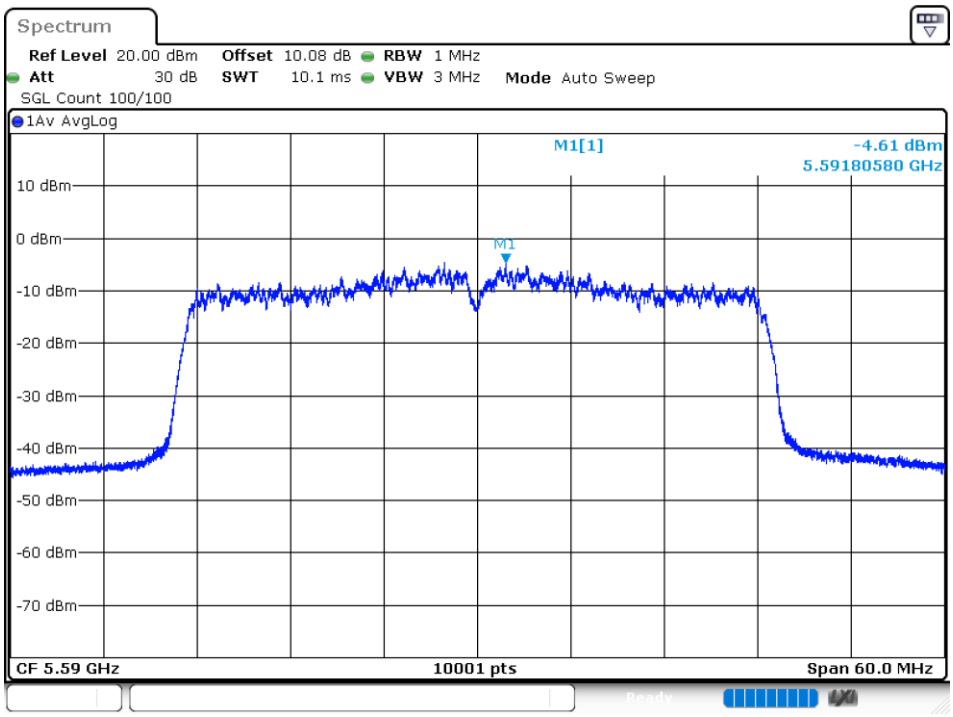
PSD NVNT ac20 5700MHz Ant1



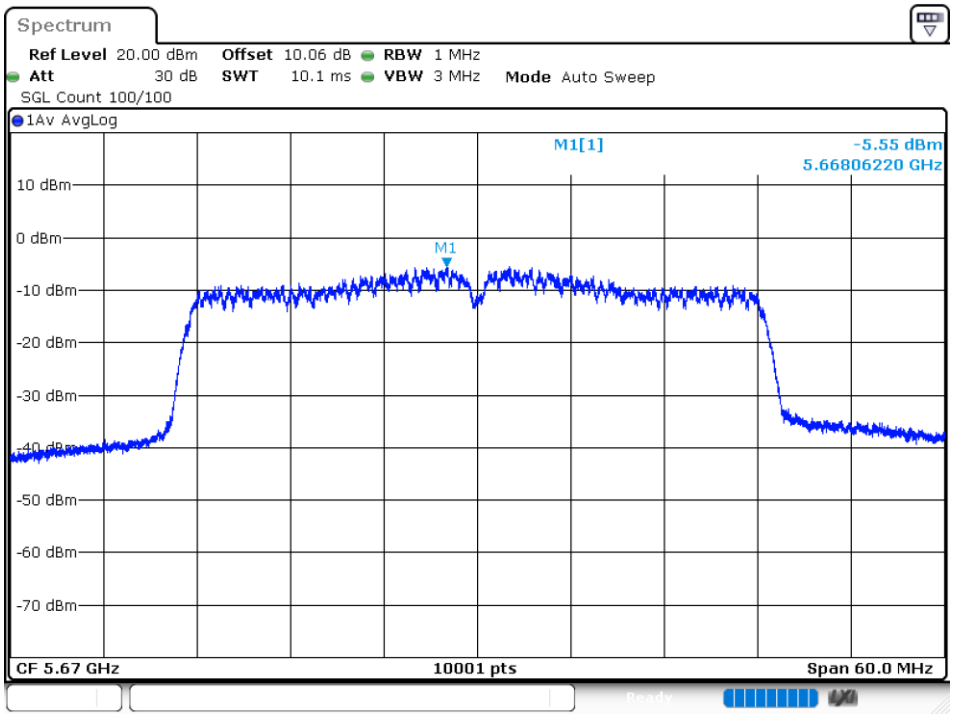
PSD NVNT ac40 5510MHz Ant1



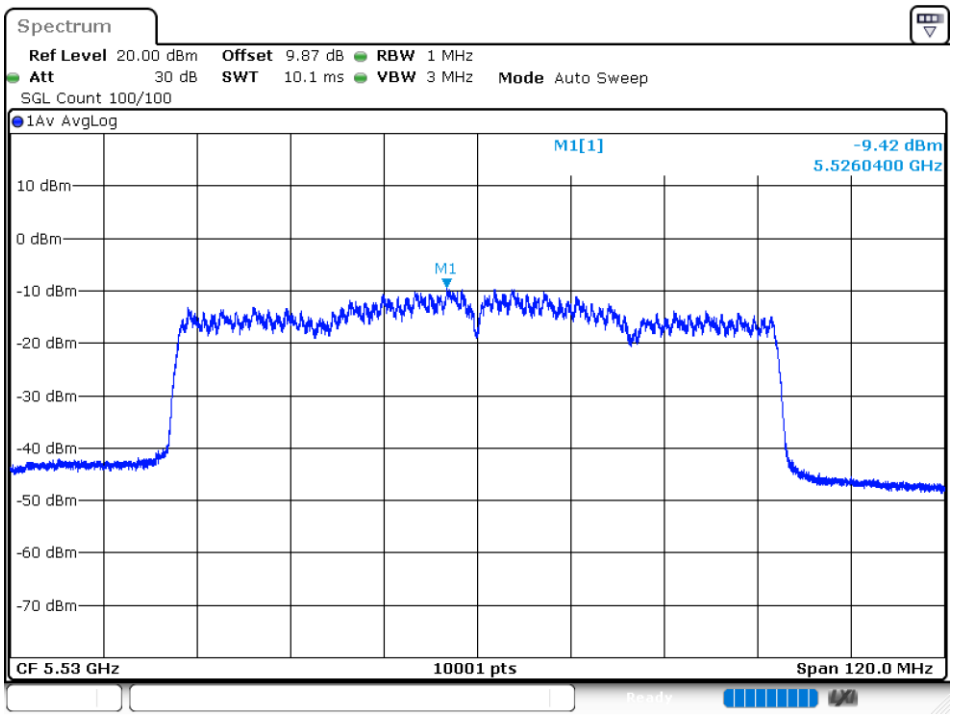
PSD NVNT ac40 5590MHz Ant1



PSD NVNT ac40 5670MHz Ant1



PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1