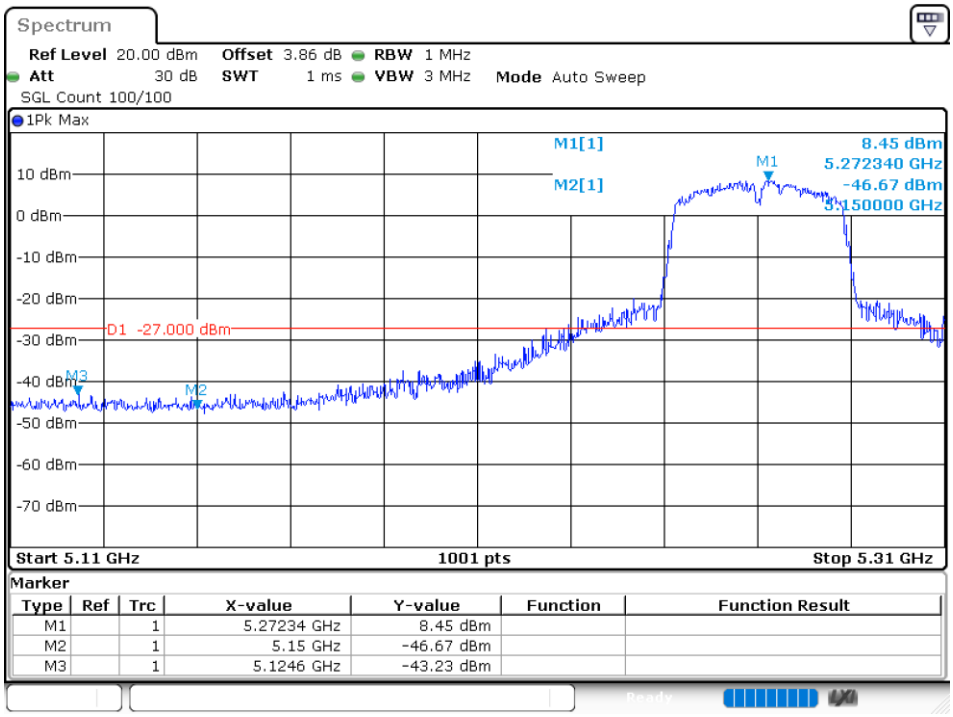
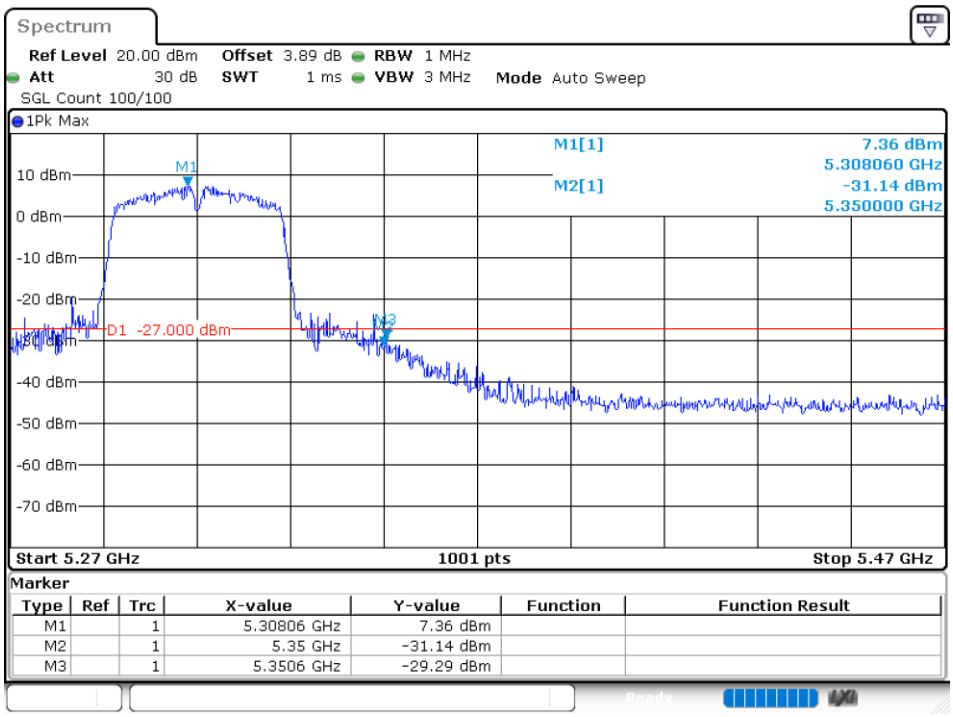
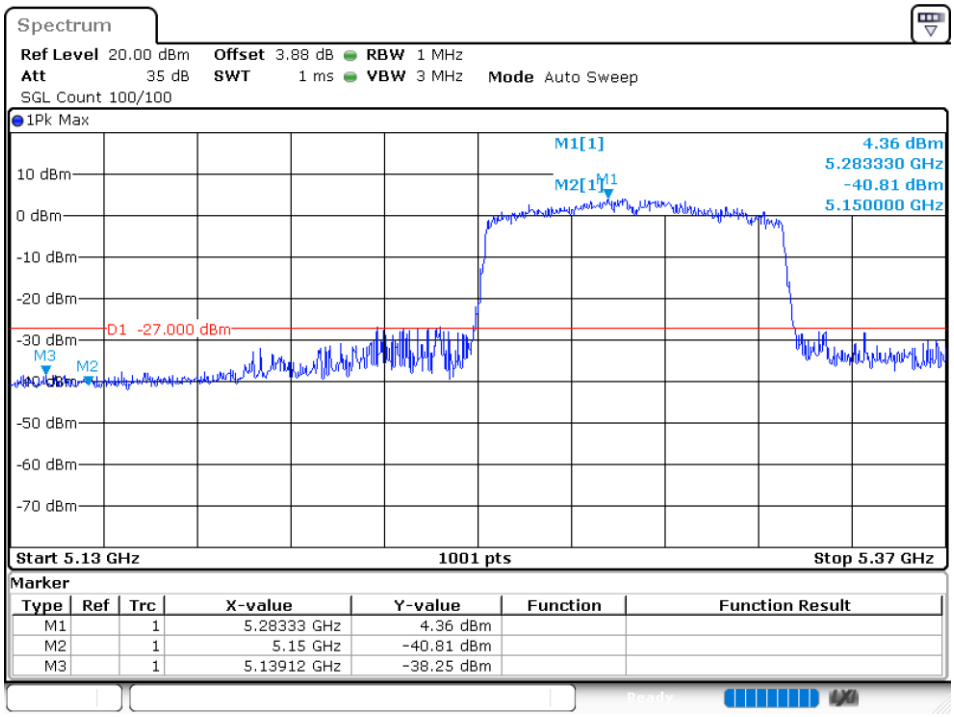
Band Edge NVNT ac40 5270MHz Low Ant1



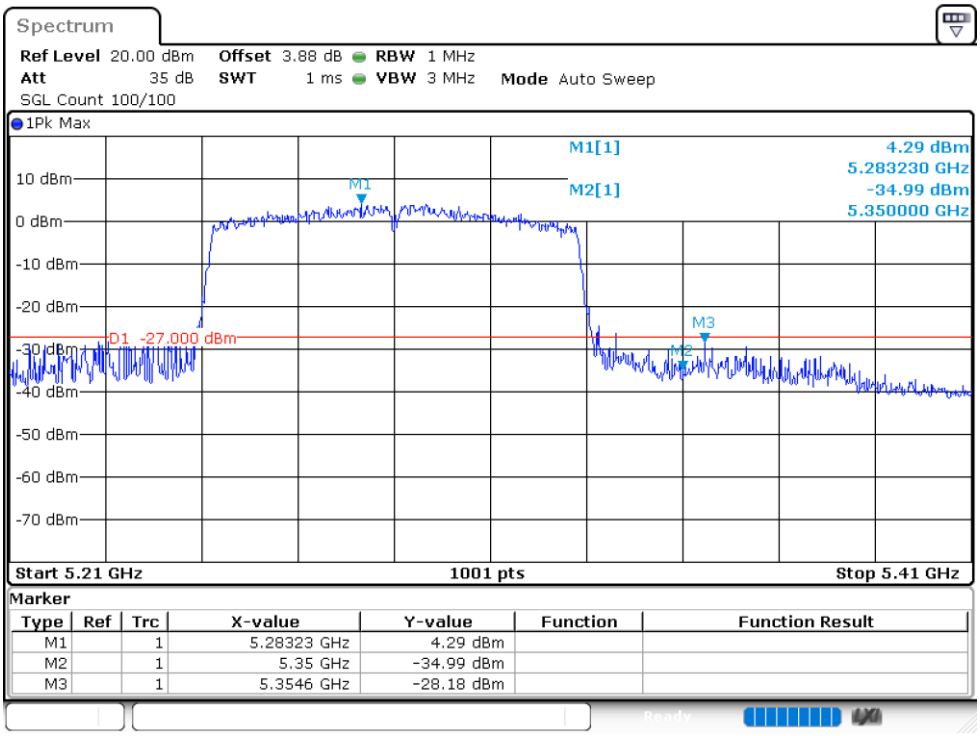
Band Edge NVNT ac40 5310MHz High Ant1



Band Edge NVNT ac80 5290MHz Low Ant1



Band Edge NVNT ac80 5290MHz High Ant1



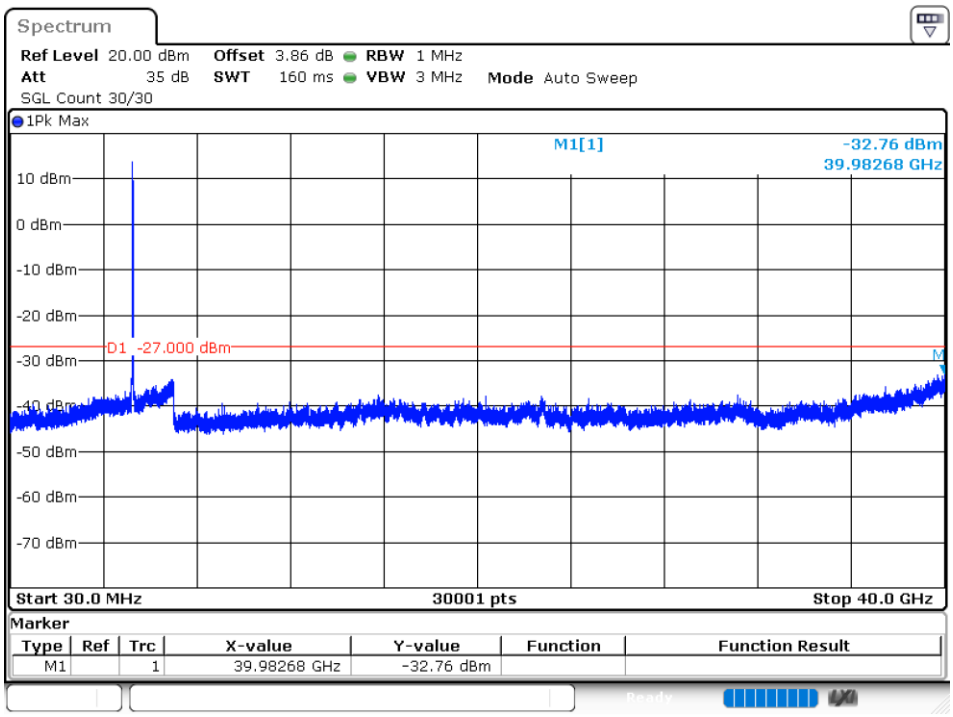
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	-32.76	-27	Pass
NVNT	a	5280	Ant1	-32.16	-27	Pass
NVNT	a	5320	Ant1	-33.48	-27	Pass
NVNT	n20	5260	Ant1	-34.1	-27	Pass
NVNT	n20	5280	Ant1	-33.02	-27	Pass
NVNT	n20	5320	Ant1	-33.76	-27	Pass
NVNT	n40	5270	Ant1	-34.72	-27	Pass
NVNT	n40	5310	Ant1	-34.17	-27	Pass
NVNT	ac20	5260	Ant1	-34.45	-27	Pass
NVNT	ac20	5280	Ant1	-34.6	-27	Pass
NVNT	ac20	5320	Ant1	-35.13	-27	Pass
NVNT	ac40	5270	Ant1	-34.8	-27	Pass
NVNT	ac40	5310	Ant1	-34.08	-27	Pass
NVNT	ac80	5290	Ant1	-43.79	-27	Pass

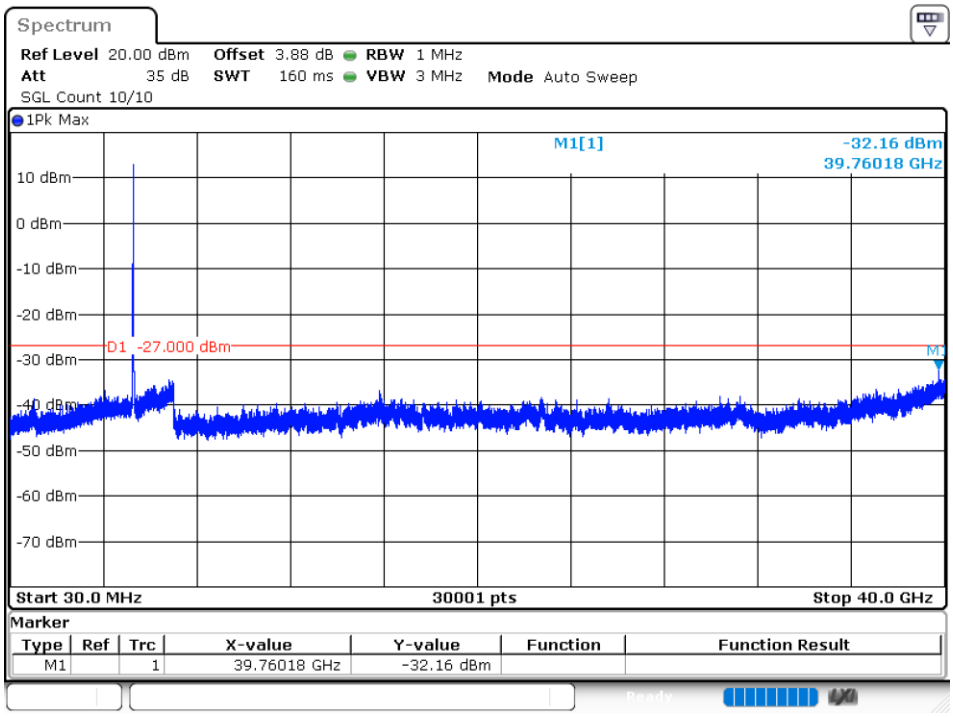
Note: This test has increased antenna gain .

Test Graphs

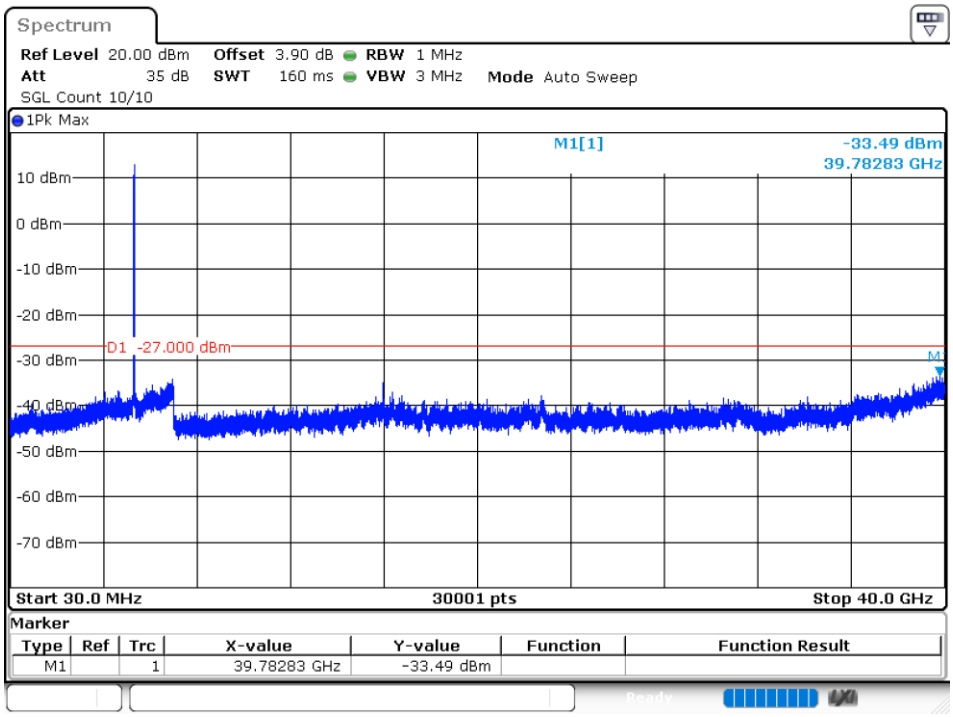
Tx. Spurious NVNT a 5260MHz Ant1 Emission



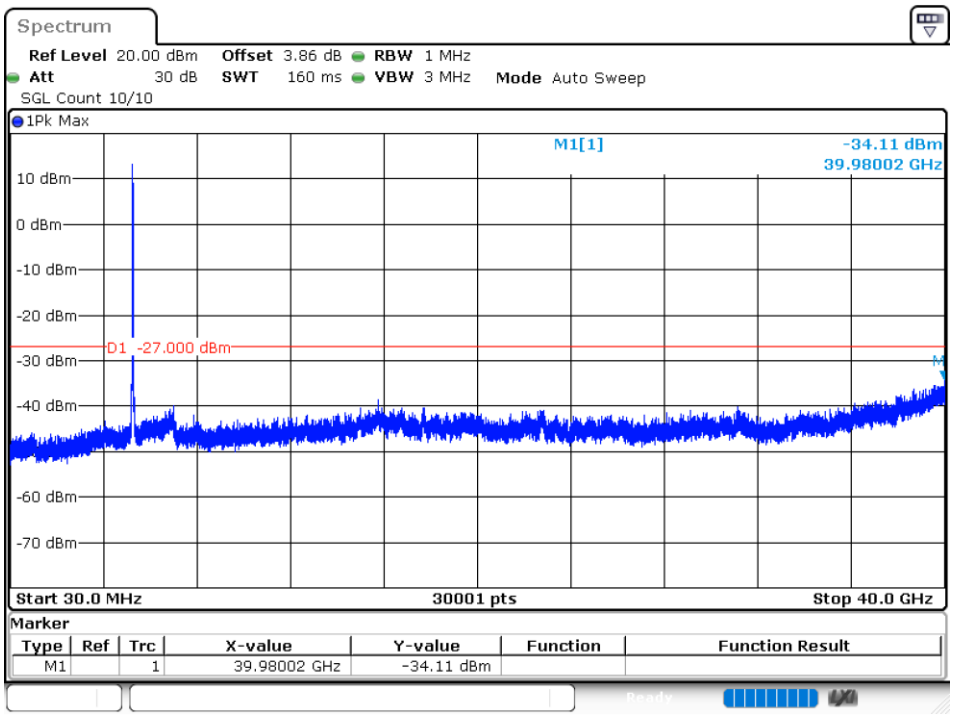
Tx. Spurious NVNT a 5280MHz Ant1 Emission



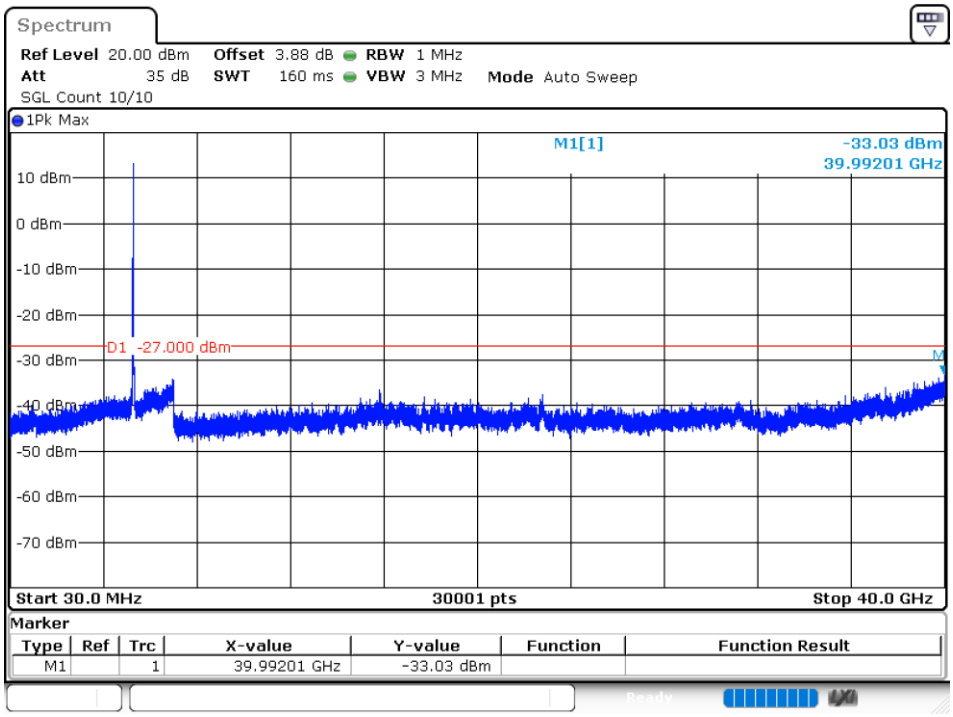
Tx. Spurious NVNT a 5320MHz Ant1 Emission



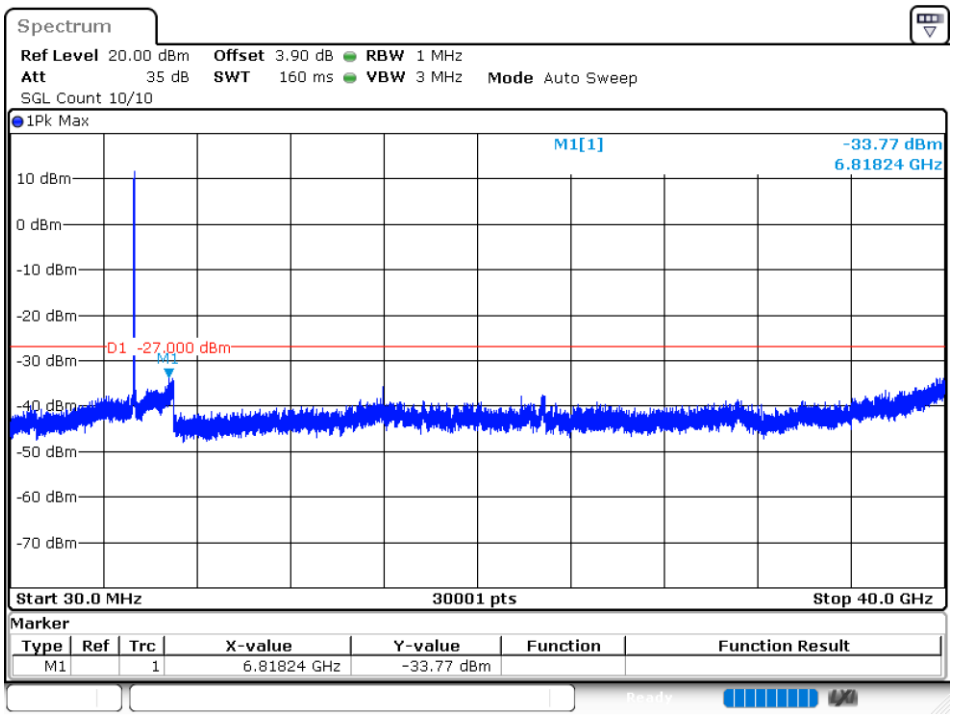
Tx. Spurious NVNT n20 5260MHz Ant1 Emission



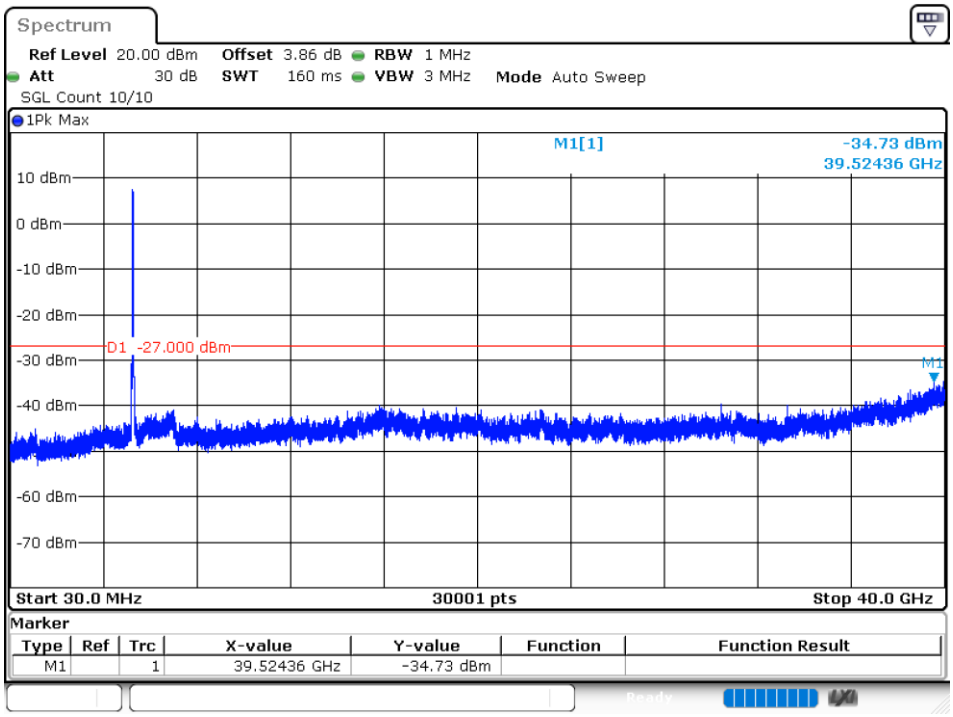
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



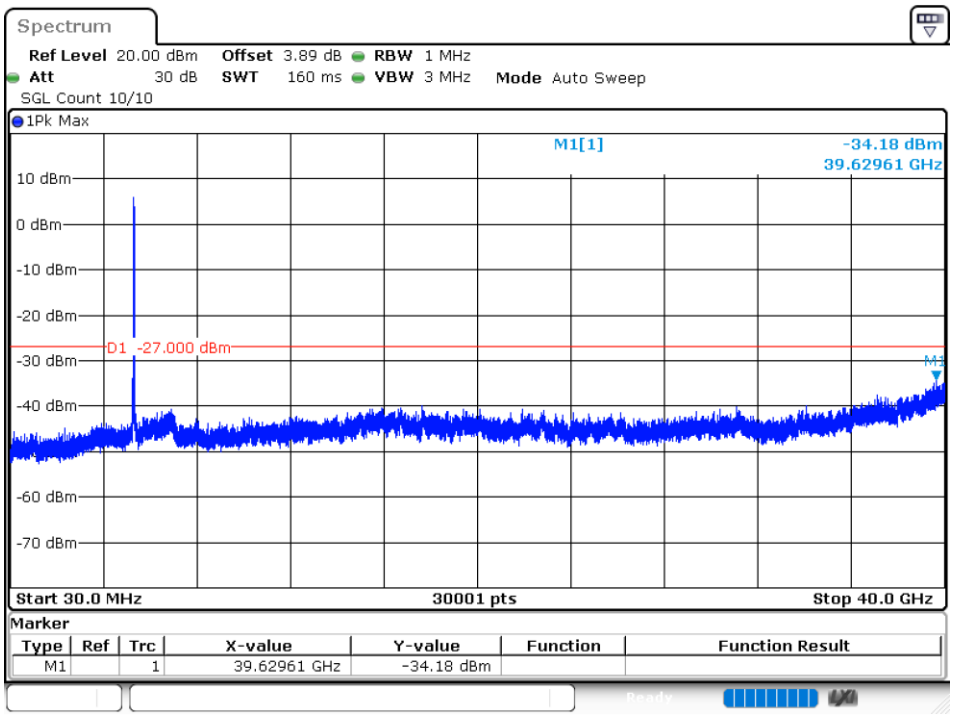
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



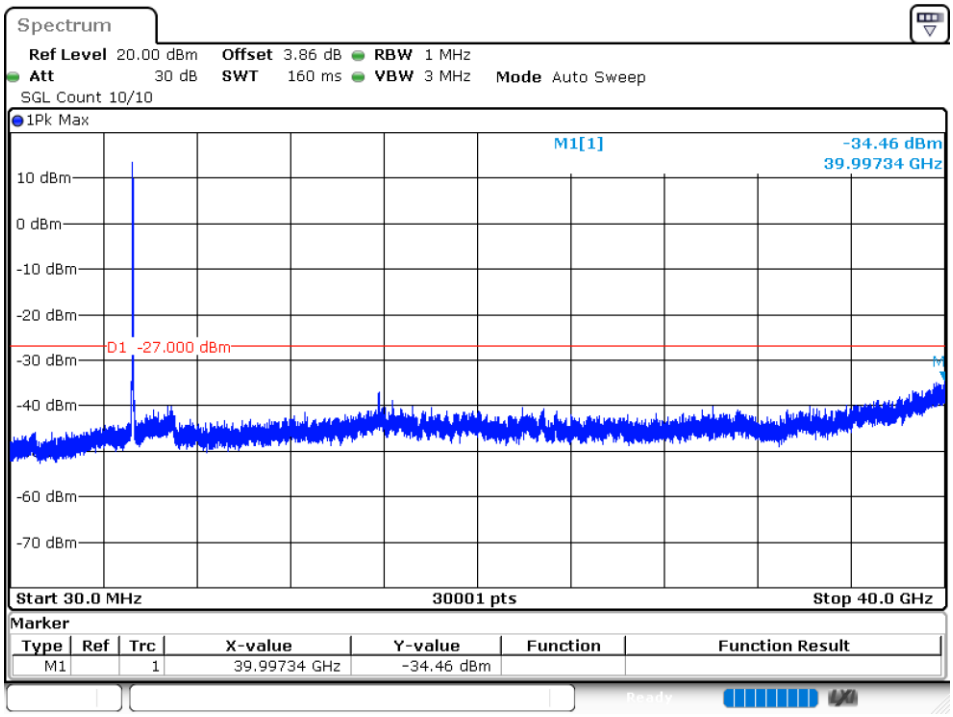
Tx. Spurious NVNT n40 5270MHz Ant1 Emission



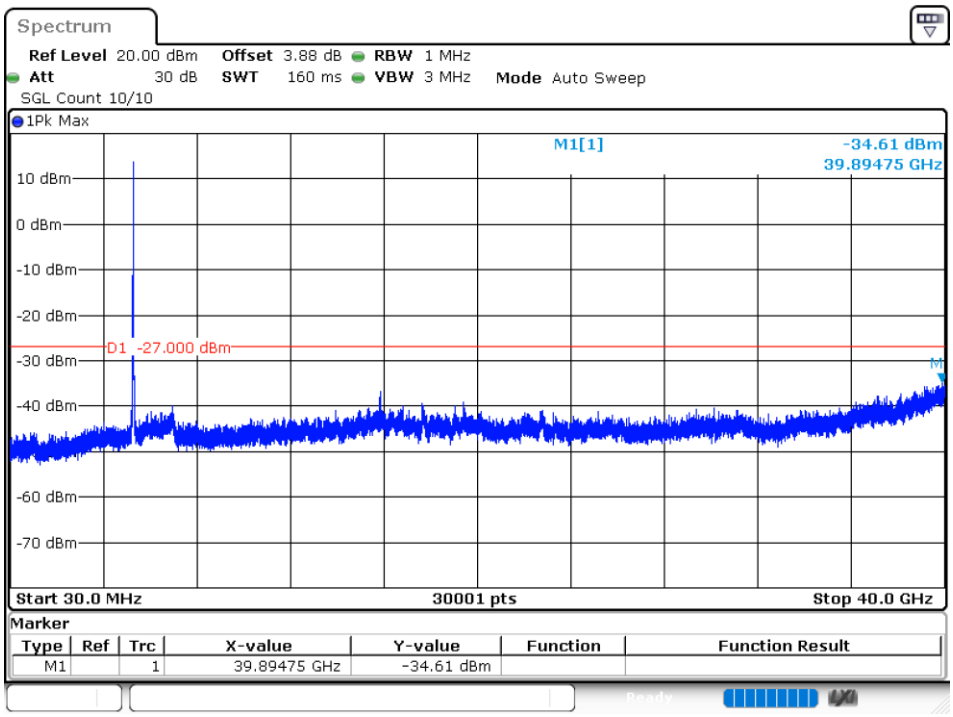
Tx. Spurious NVNT n40 5310MHz Ant1 Emission



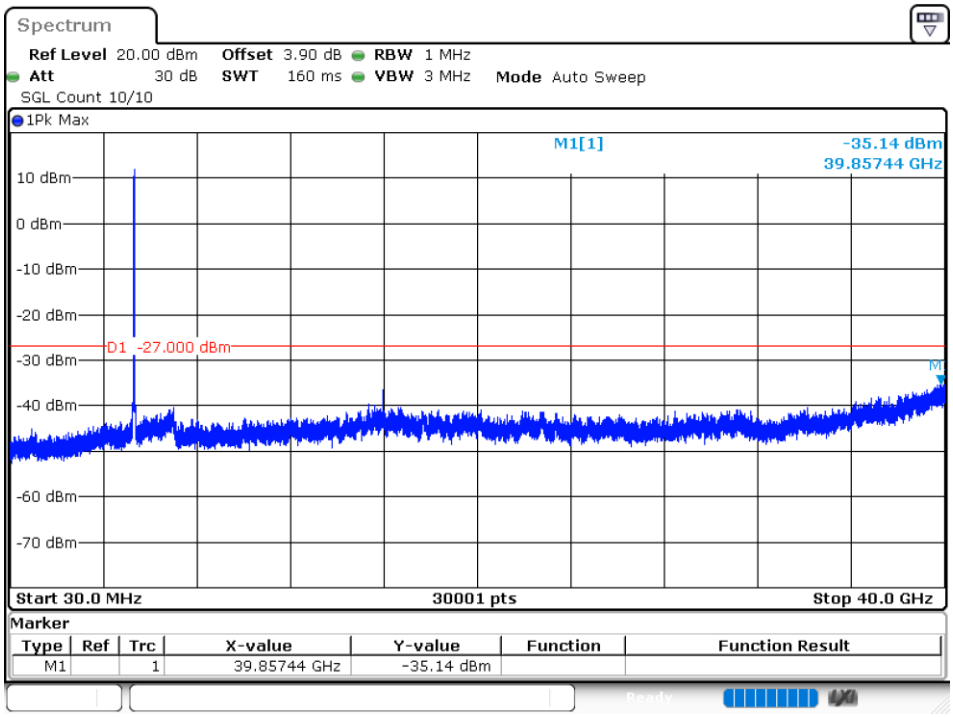
Tx. Spurious NVNT ac20 5260MHz Ant1 Emission



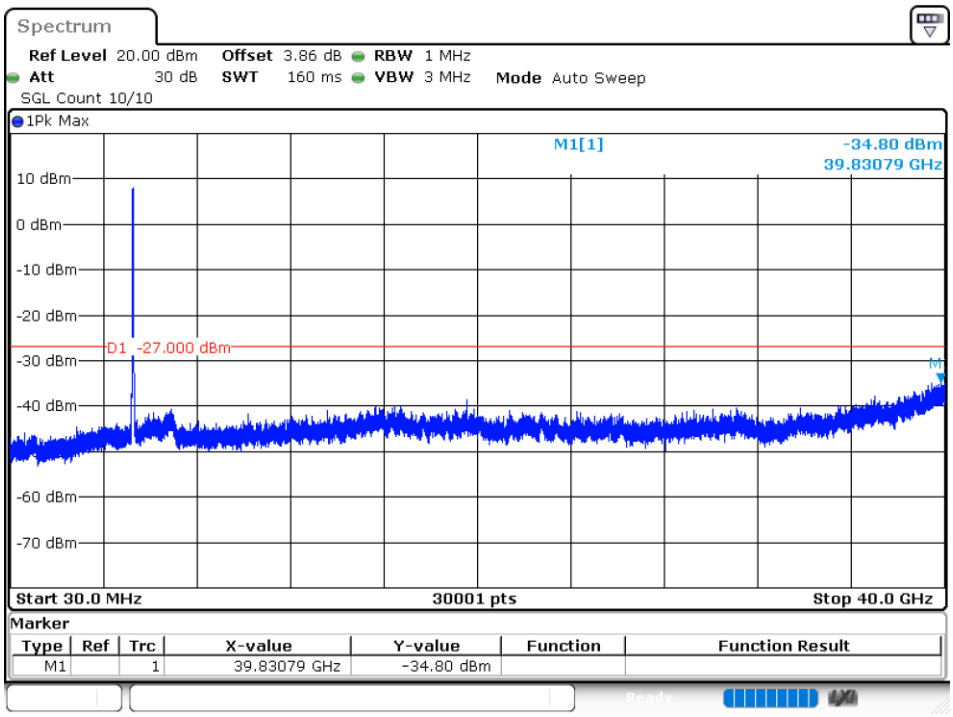
Tx. Spurious NVNT ac20 5280MHz Ant1 Emission



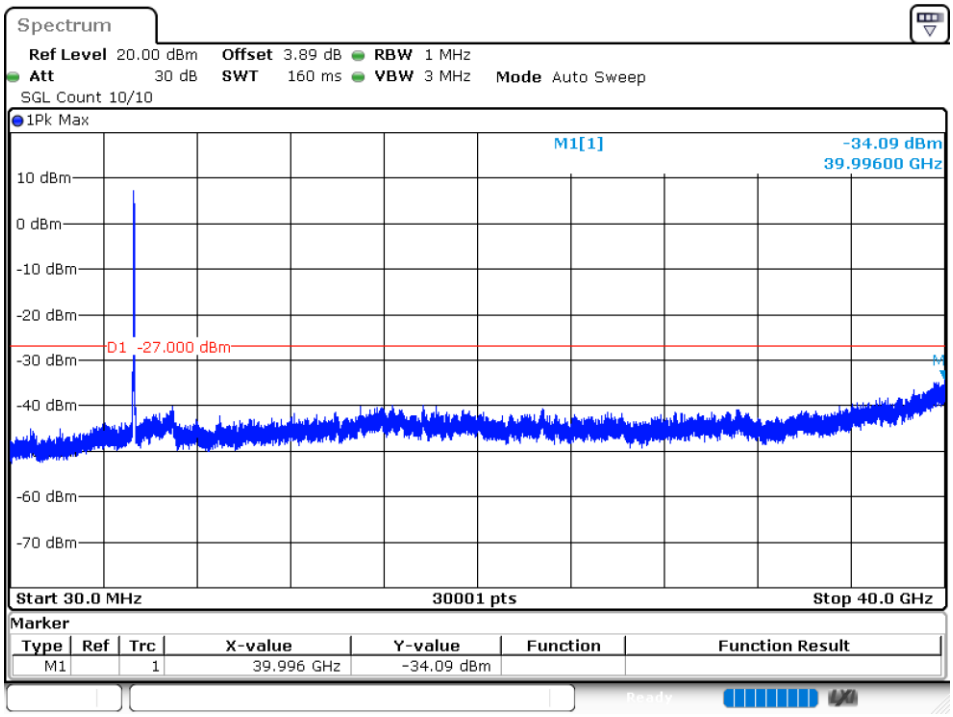
Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



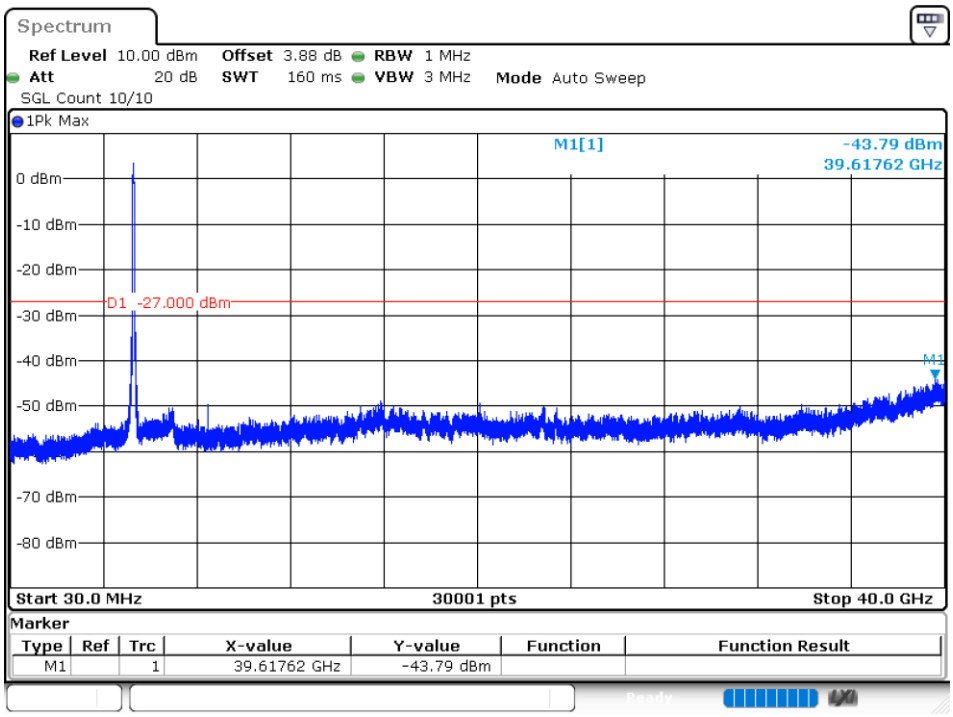
Tx. Spurious NVNT ac40 5270MHz Ant1 Emission



Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



Tx. Spurious NVNT ac80 5290MHz Ant1 Emission



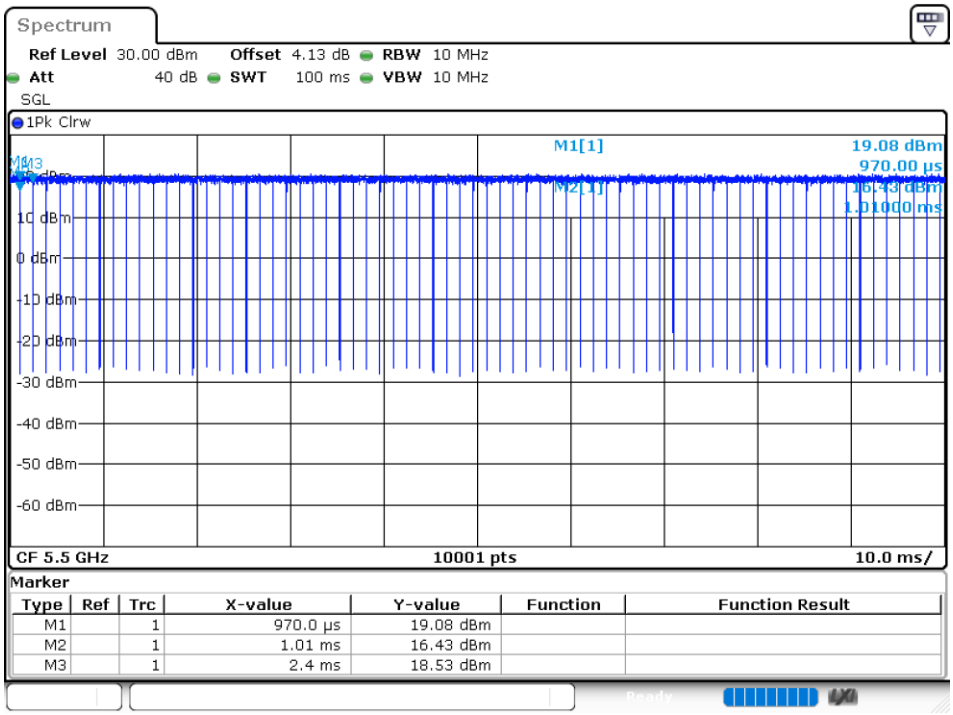
5.6G WIFI

Duty Cycle

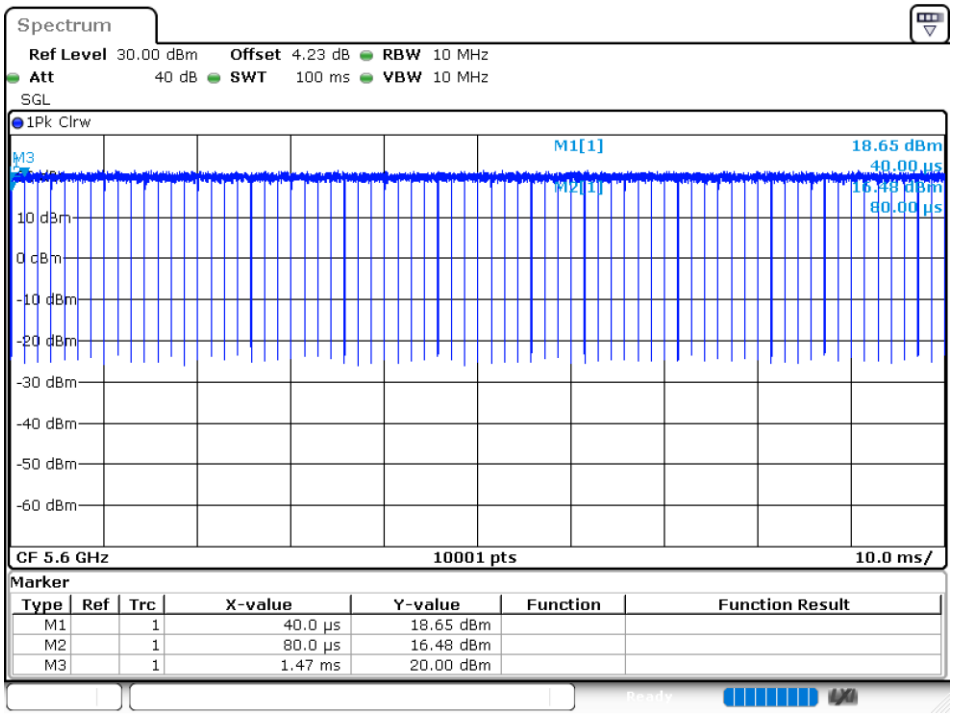
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5500	Ant1	98.17	0.08	0.72
NVNT	a	5600	Ant1	98.19	0.08	0.72
NVNT	a	5700	Ant1	98.18	0.08	0.72
NVNT	n20	5500	Ant1	98.06	0.09	0.77
NVNT	n20	5600	Ant1	98.06	0.09	0.77
NVNT	n20	5700	Ant1	98.08	0.08	0.77
NVNT	n40	5510	Ant1	94.72	0.24	1.54
NVNT	n40	5590	Ant1	94.25	0.26	1.56
NVNT	n40	5670	Ant1	94.54	0.24	1.54
NVNT	ac20	5500	Ant1	98.08	0.08	0.76
NVNT	ac20	5600	Ant1	98.1	0.08	0.76
NVNT	ac20	5700	Ant1	98.05	0.09	0.76
NVNT	ac40	5510	Ant1	95.38	0.21	1.54
NVNT	ac40	5590	Ant1	95.42	0.2	1.54
NVNT	ac40	5670	Ant1	95.49	0.2	1.54
NVNT	ac80	5530	Ant1	85.71	0.67	3.12
NVNT	ac80	5610	Ant1	87.32	0.59	3.12

Test Graphs

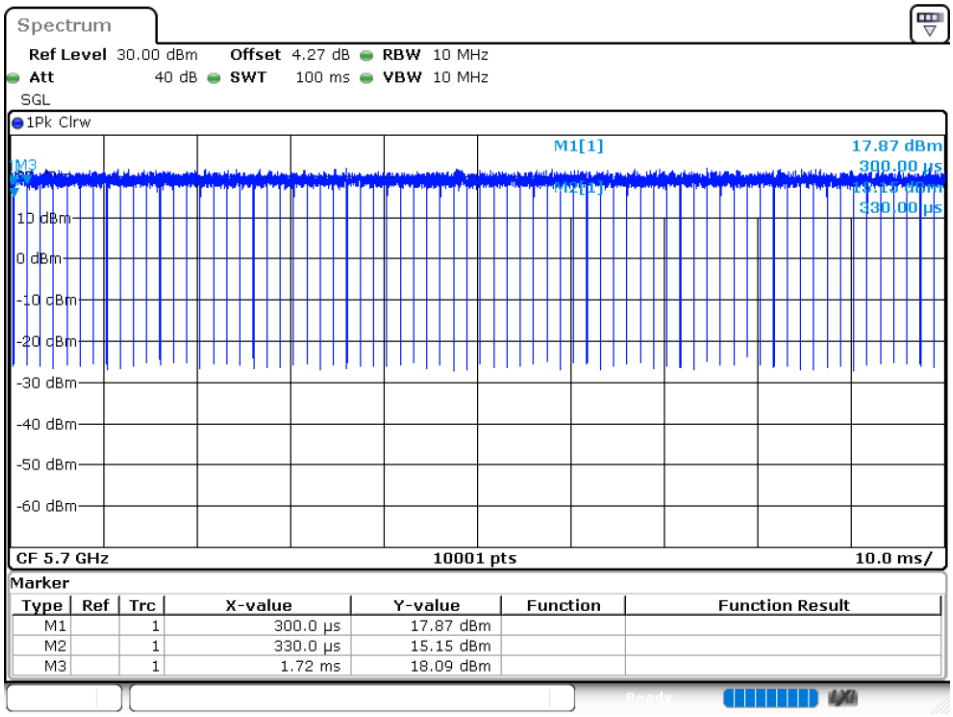
Duty Cycle NVNT a 5500MHz Ant1



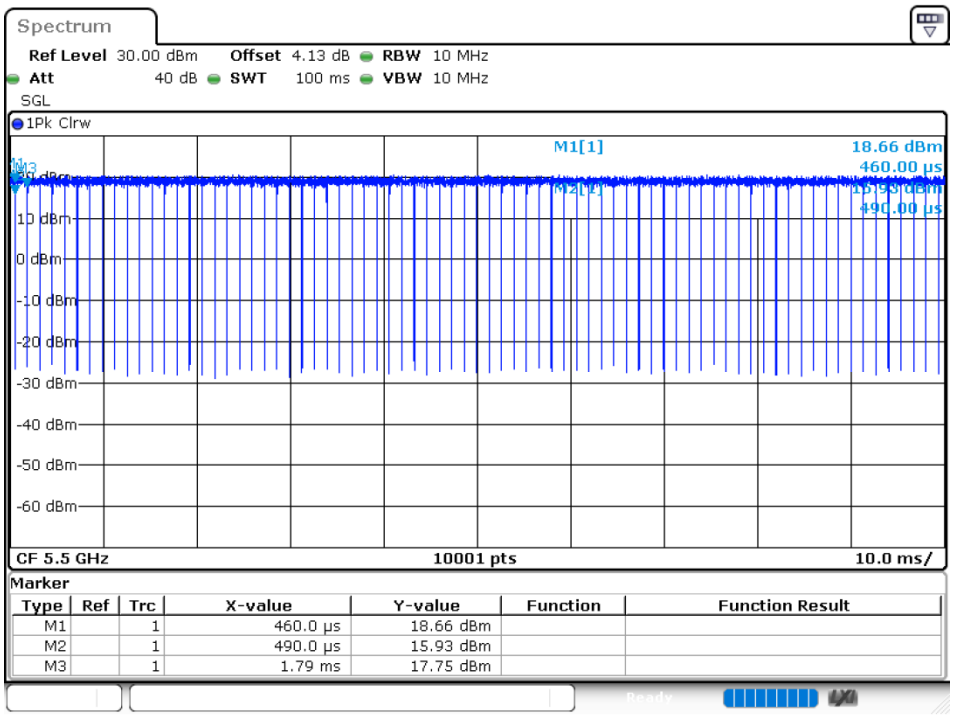
Duty Cycle NVNT a 5600MHz Ant1



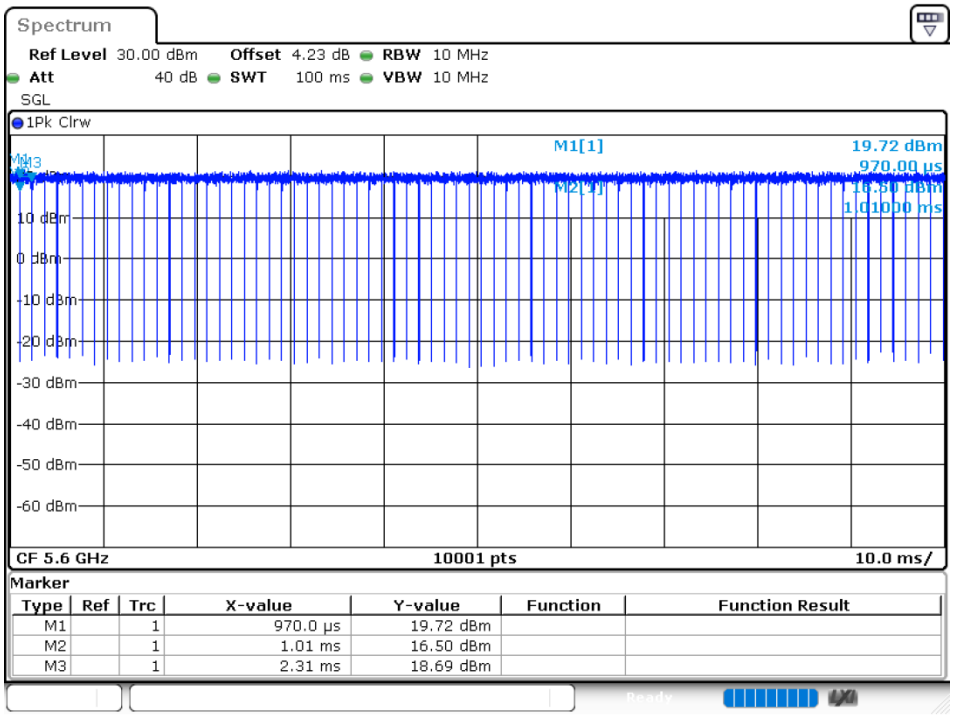
Duty Cycle NVNT a 5700MHz Ant1



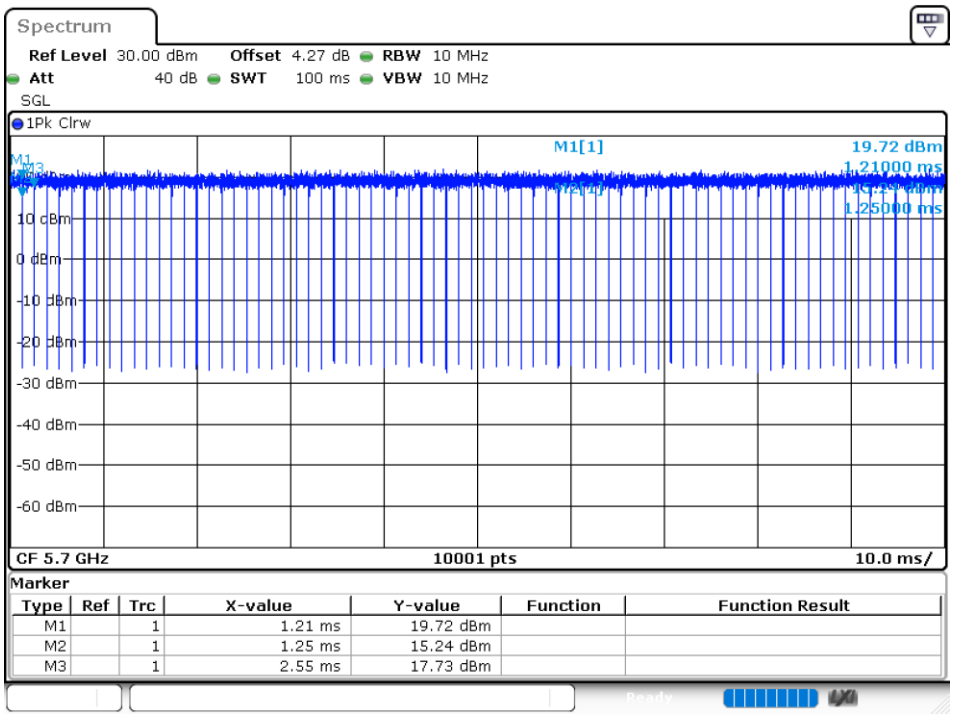
Duty Cycle NVNT n20 5500MHz Ant1



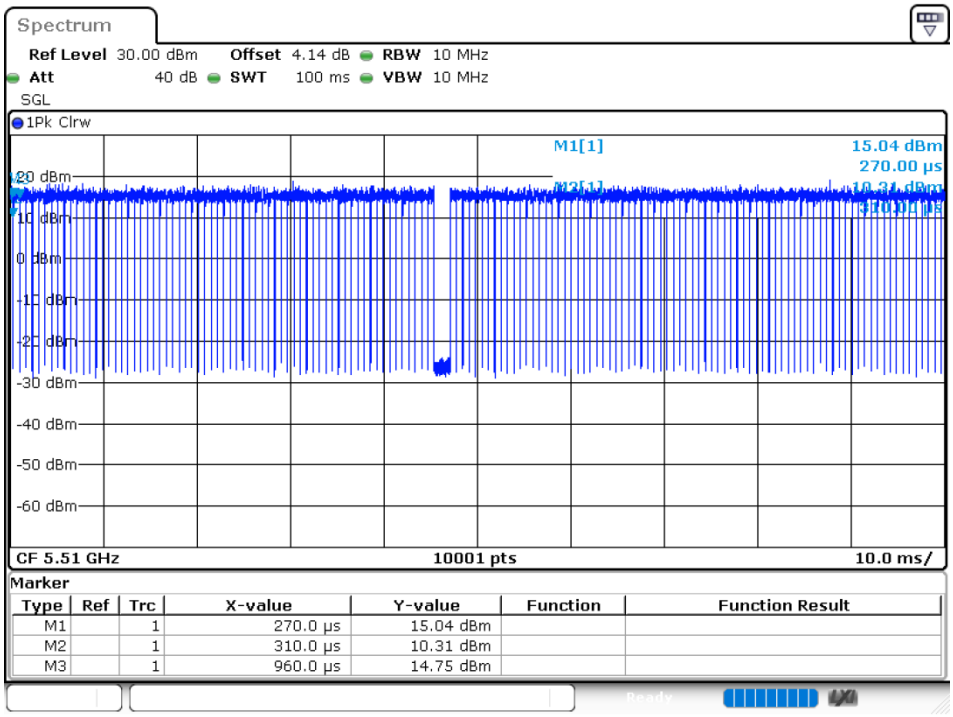
Duty Cycle NVNT n20 5600MHz Ant1



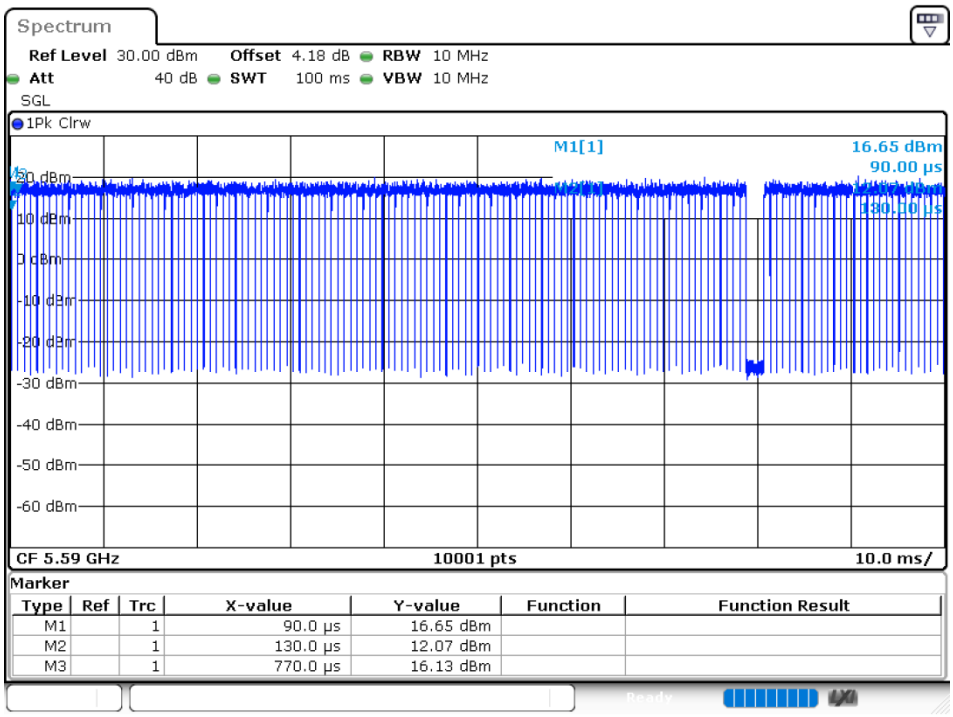
Duty Cycle NVNT n20 5700MHz Ant1



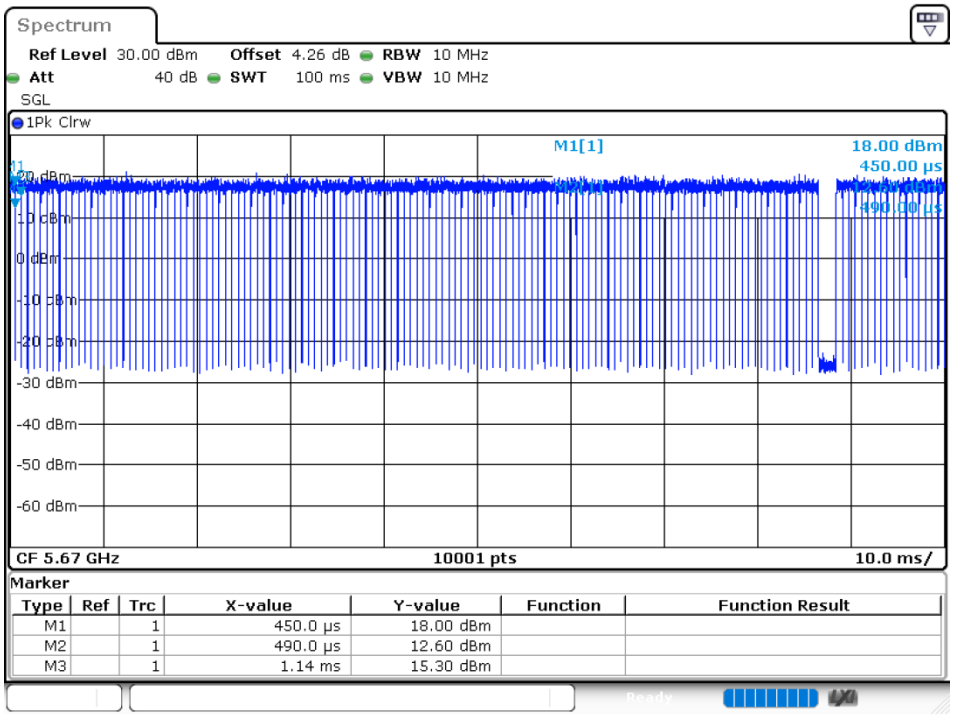
Duty Cycle NVNT n40 5510MHz Ant1



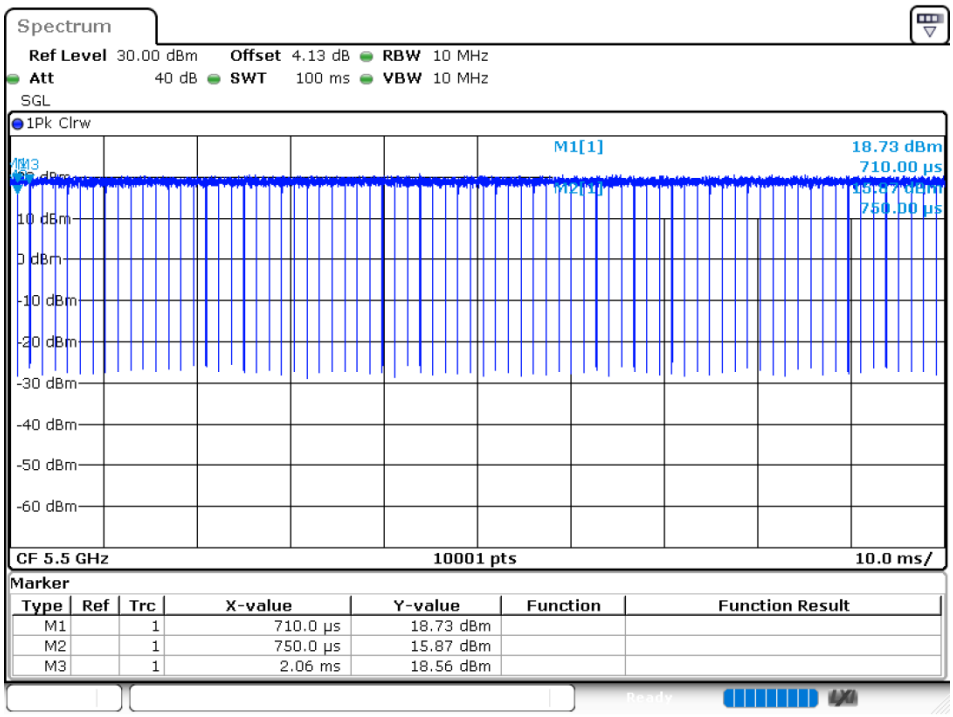
Duty Cycle NVNT n40 5590MHz Ant1



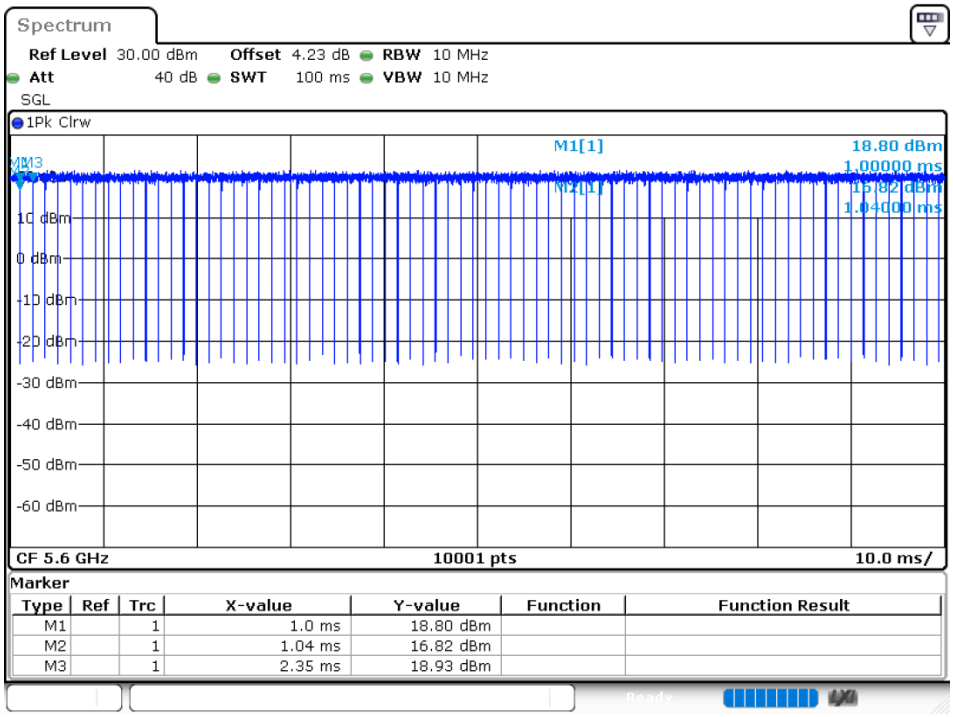
Duty Cycle NVNT n40 5670MHz Ant1



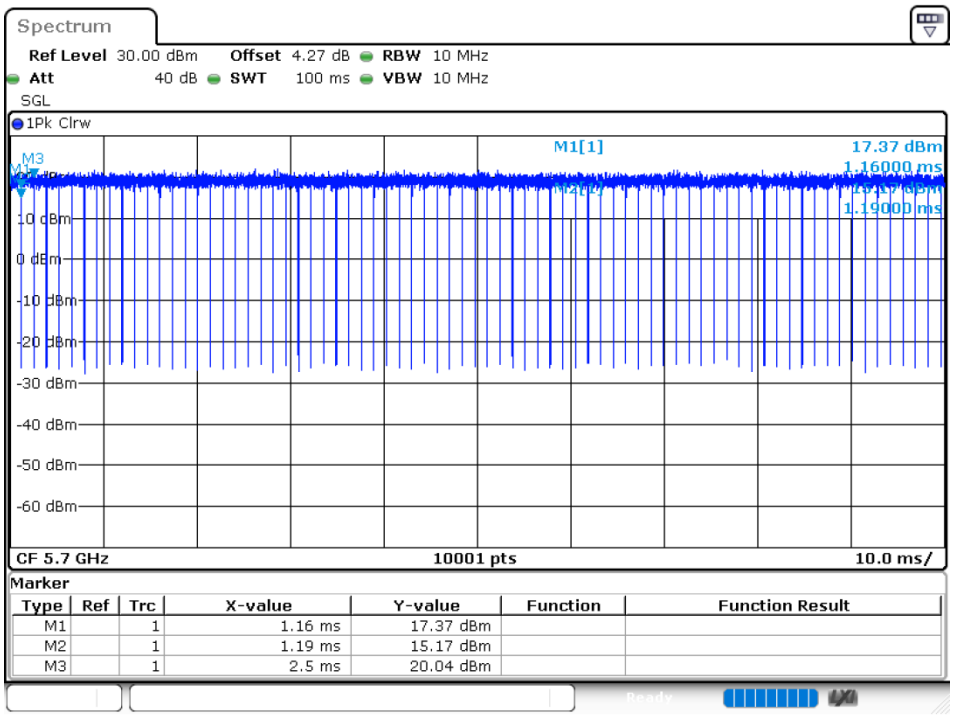
Duty Cycle NVNT ac20 5500MHz Ant1



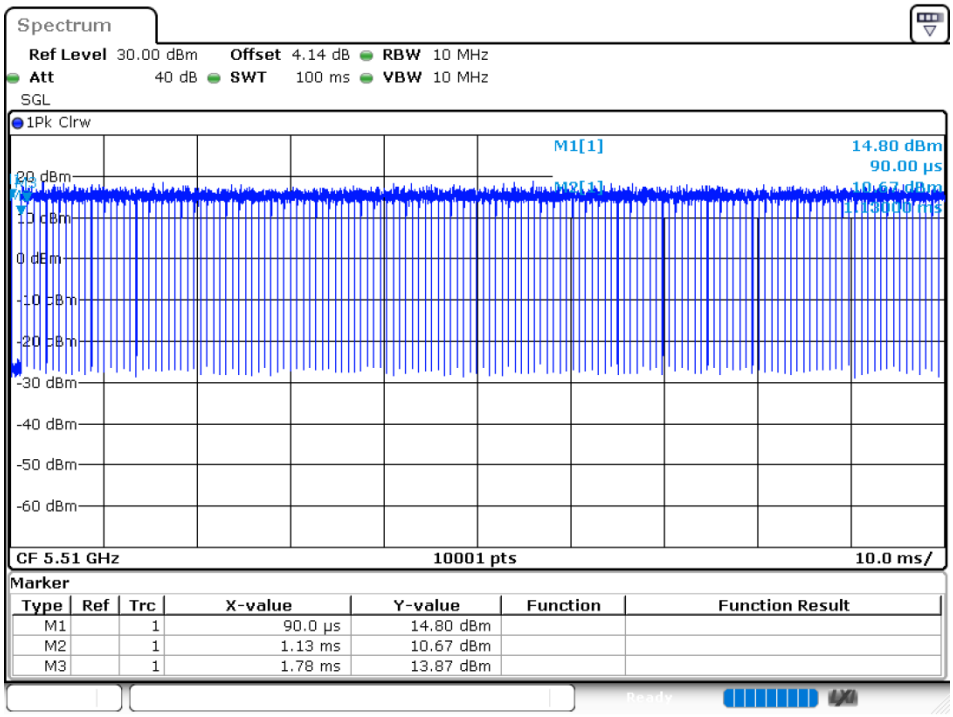
Duty Cycle NVNT ac20 5600MHz Ant1



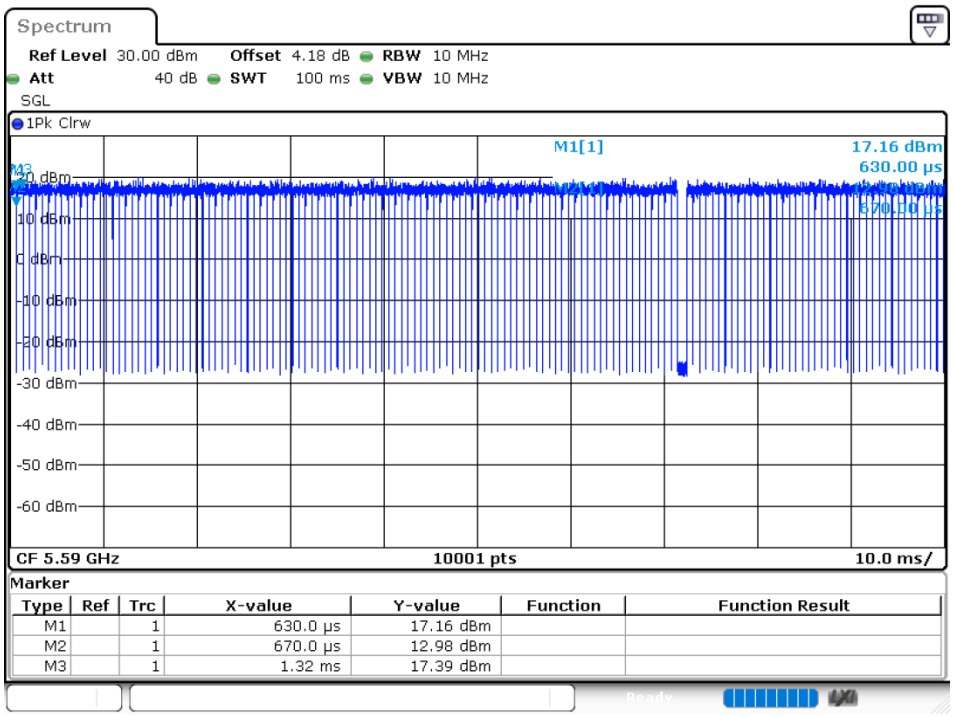
Duty Cycle NVNT ac20 5700MHz Ant1



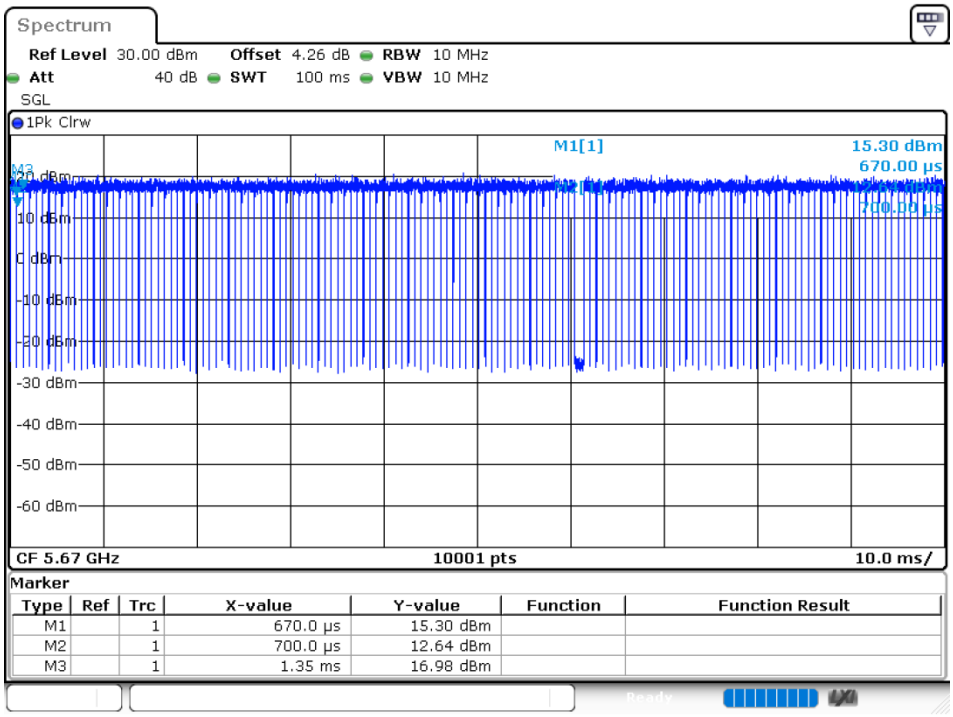
Duty Cycle NVNT ac40 5510MHz Ant1



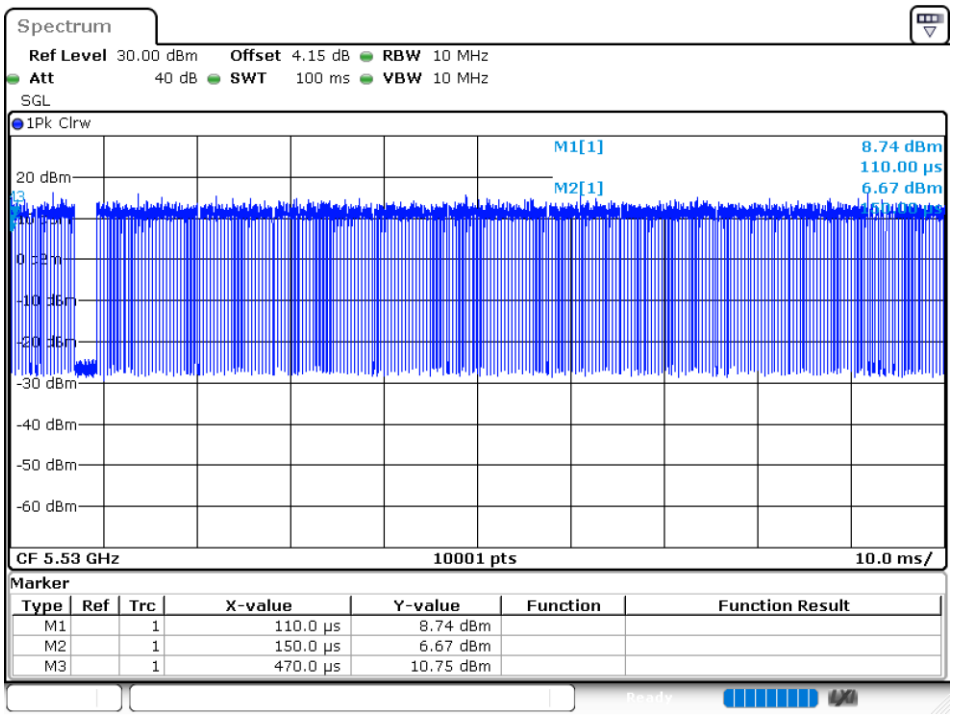
Duty Cycle NVNT ac40 5590MHz Ant1



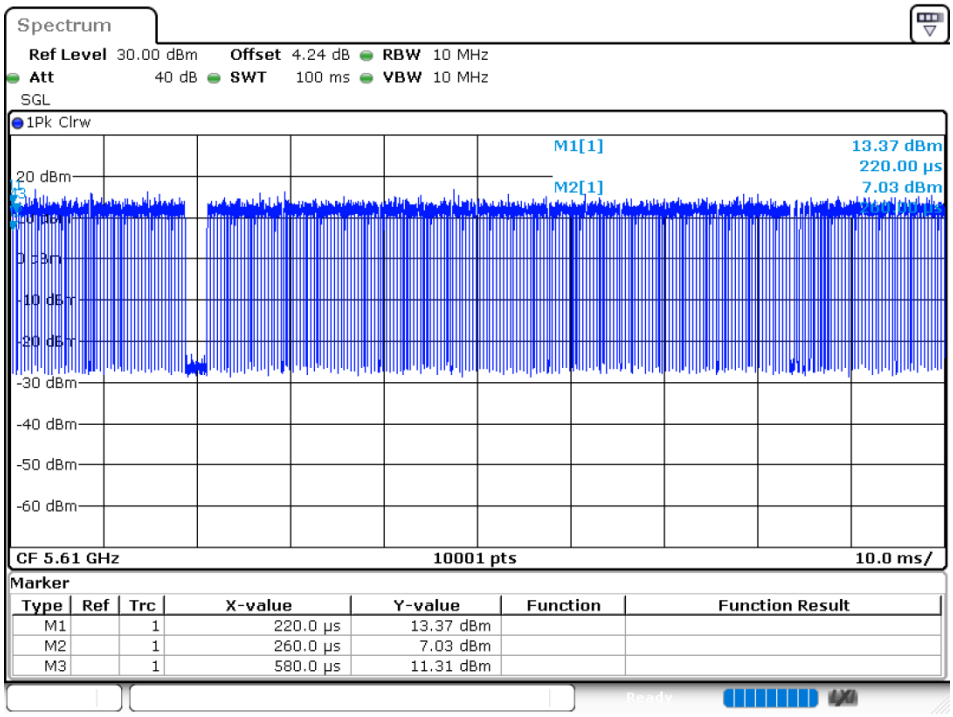
Duty Cycle NVNT ac40 5670MHz Ant1



Duty Cycle NVNT ac80 5530MHz Ant1



Duty Cycle NVNT ac80 5610MHz Ant1



Maximum Conducted Output Power

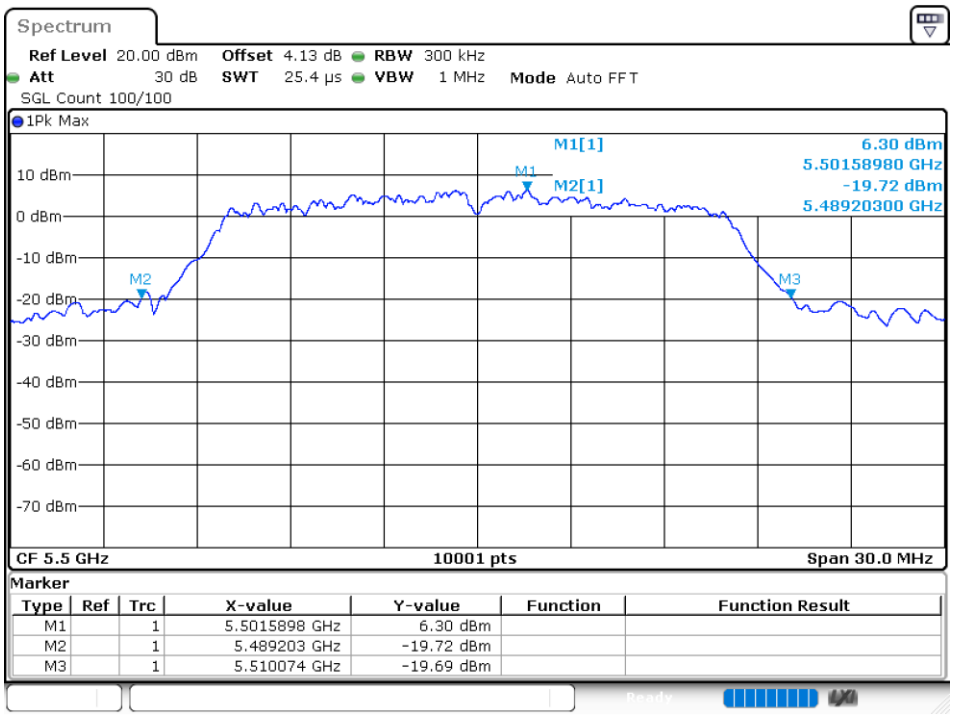
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5500	Ant1	14.49	24	Pass
NVNT	a	5600	Ant1	15.55	24	Pass
NVNT	a	5700	Ant1	14.36	23.87	Pass
NVNT	n20	5500	Ant1	14.45	24	Pass
NVNT	n20	5600	Ant1	15.41	24	Pass
NVNT	n20	5700	Ant1	14.24	24	Pass
NVNT	n40	5510	Ant1	13.19	24	Pass
NVNT	n40	5590	Ant1	14.53	24	Pass
NVNT	n40	5670	Ant1	15.34	24	Pass
NVNT	ac20	5500	Ant1	14.48	24	Pass
NVNT	ac20	5600	Ant1	15.47	24	Pass
NVNT	ac20	5700	Ant1	14.28	24	Pass
NVNT	ac40	5510	Ant1	13.39	24	Pass
NVNT	ac40	5590	Ant1	14.57	24	Pass
NVNT	ac40	5670	Ant1	15.23	24	Pass
NVNT	ac80	5530	Ant1	12.12	24	Pass
NVNT	ac80	5610	Ant1	13.24	24	Pass

-26dB Bandwidth

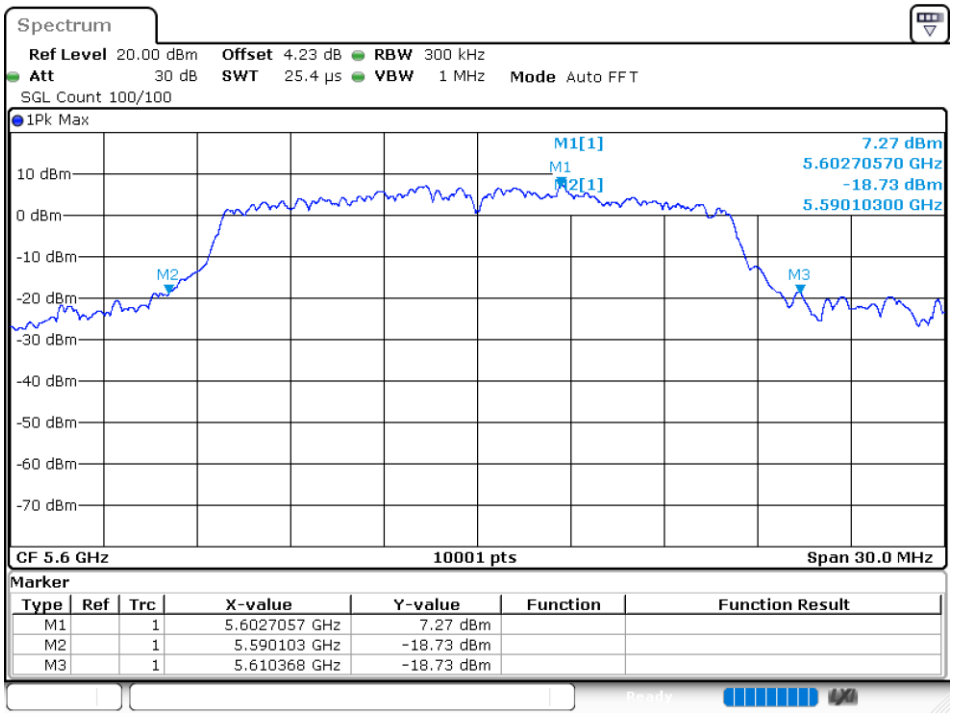
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5500	Ant1	20.871	Pass
NVNT	a	5600	Ant1	20.265	Pass
NVNT	a	5700	Ant1	19.356	Pass
NVNT	n20	5500	Ant1	25.158	Pass
NVNT	n20	5600	Ant1	22.614	Pass
NVNT	n20	5700	Ant1	20.397	Pass
NVNT	n40	5510	Ant1	53.976	Pass
NVNT	n40	5590	Ant1	54.084	Pass
NVNT	n40	5670	Ant1	59.094	Pass
NVNT	ac20	5500	Ant1	22.32	Pass
NVNT	ac20	5600	Ant1	20.358	Pass
NVNT	ac20	5700	Ant1	20.349	Pass
NVNT	ac40	5510	Ant1	44.466	Pass
NVNT	ac40	5590	Ant1	46.134	Pass
NVNT	ac40	5670	Ant1	50.706	Pass
NVNT	ac80	5530	Ant1	81.144	Pass
NVNT	ac80	5610	Ant1	81.156	Pass

Test Graphs

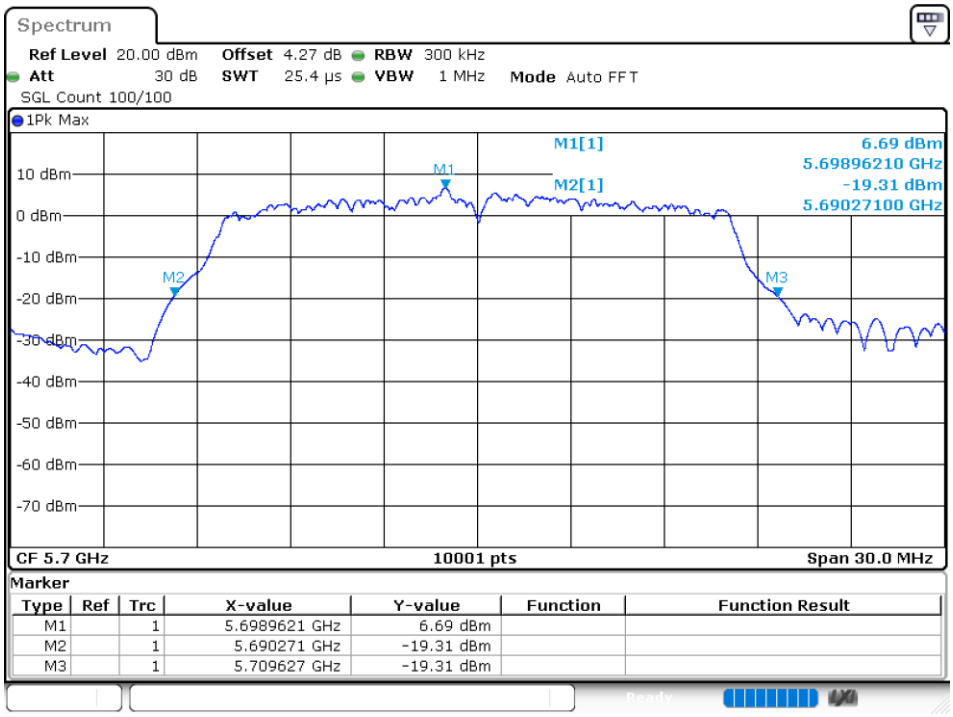
-26dB Bandwidth NVNT a 5500MHz Ant1



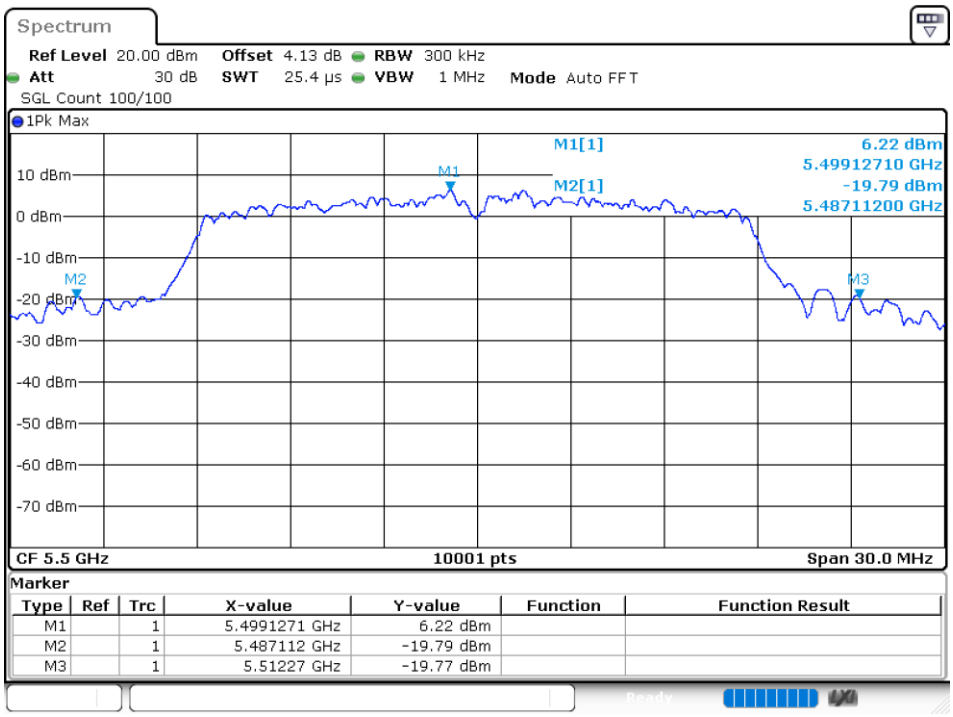
-26dB Bandwidth NVNT a 5600MHz Ant1



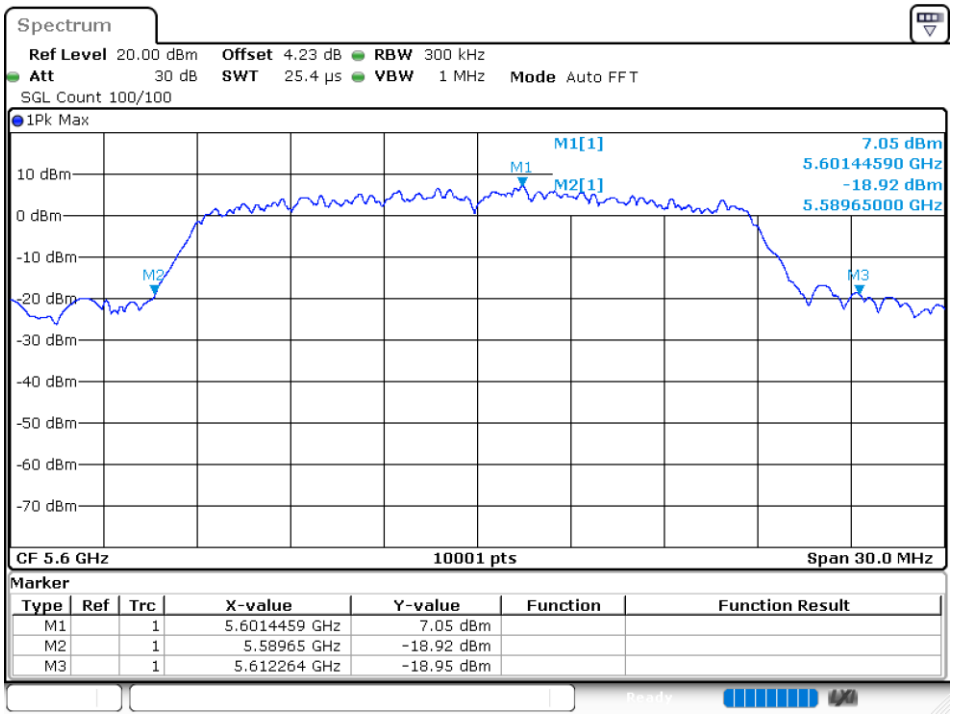
-26dB Bandwidth NVNT a 5700MHz Ant1



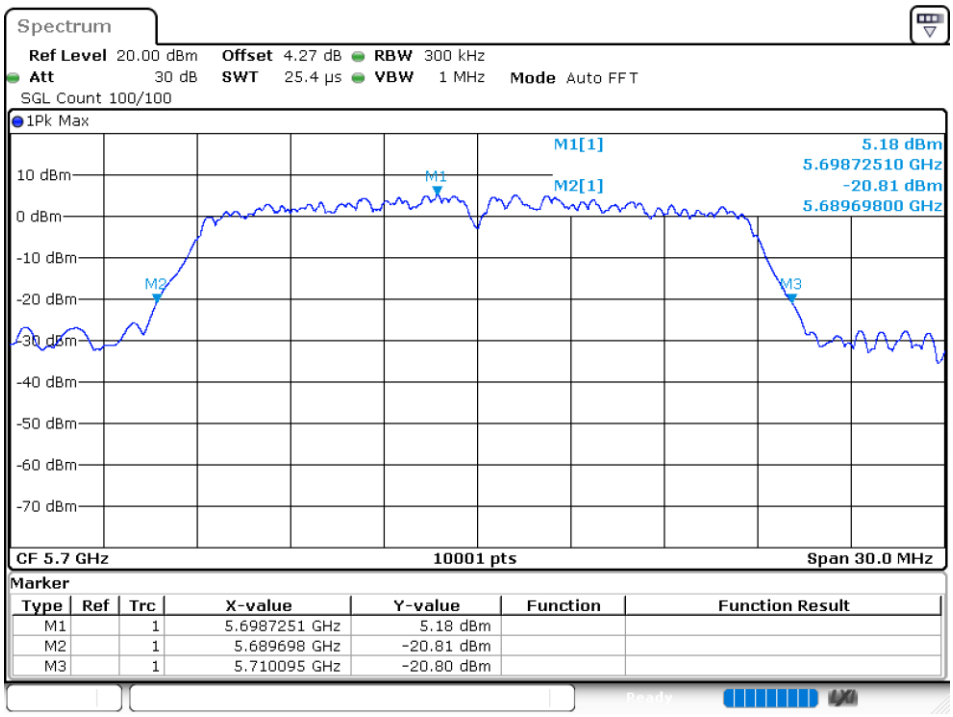
-26dB Bandwidth NVNT n20 5500MHz Ant1



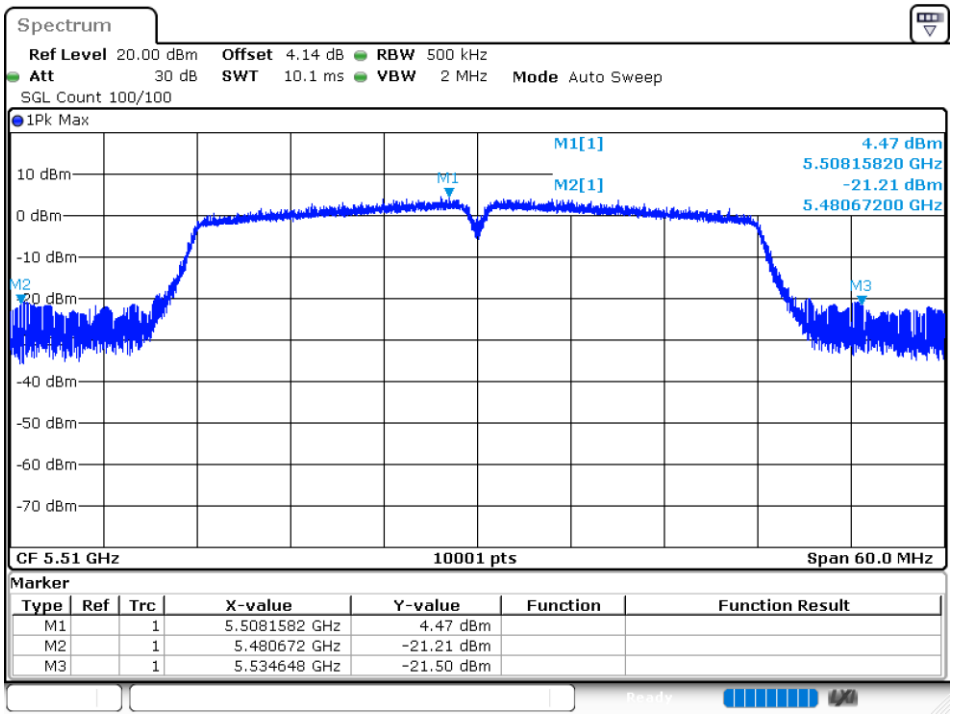
-26dB Bandwidth NVNT n20 5600MHz Ant1



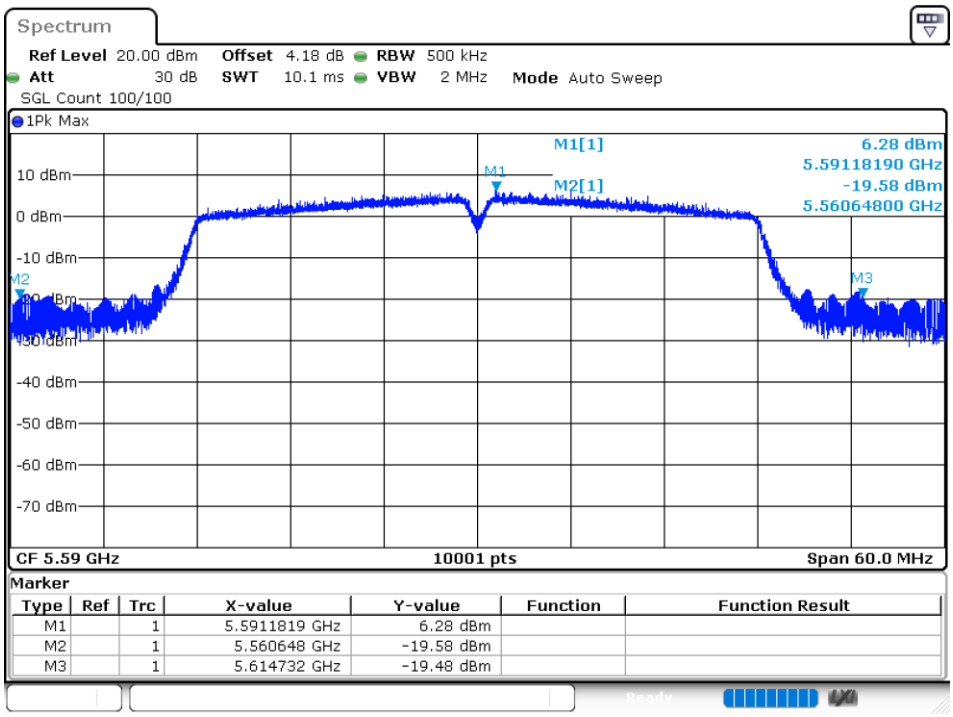
-26dB Bandwidth NVNT n20 5700MHz Ant1



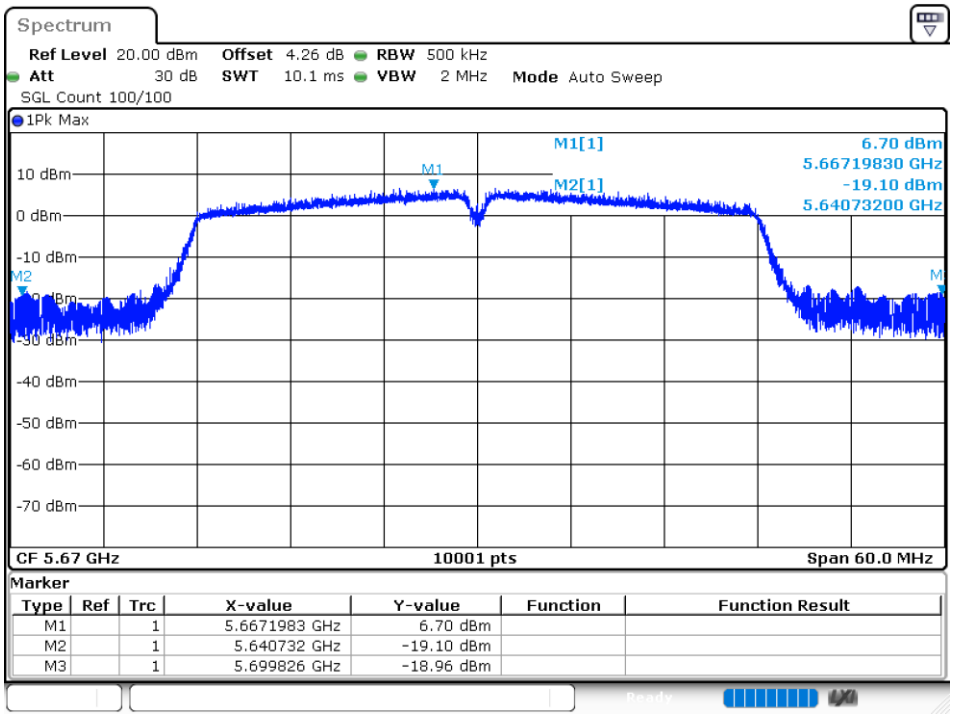
-26dB Bandwidth NVNT n40 5510MHz Ant1



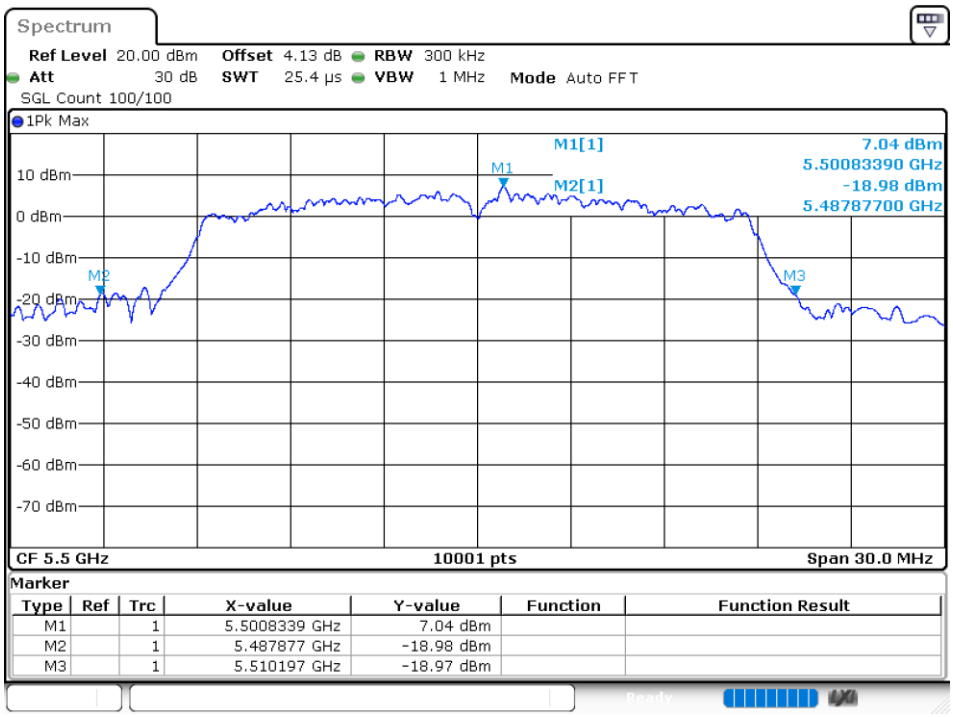
-26dB Bandwidth NVNT n40 5590MHz Ant1



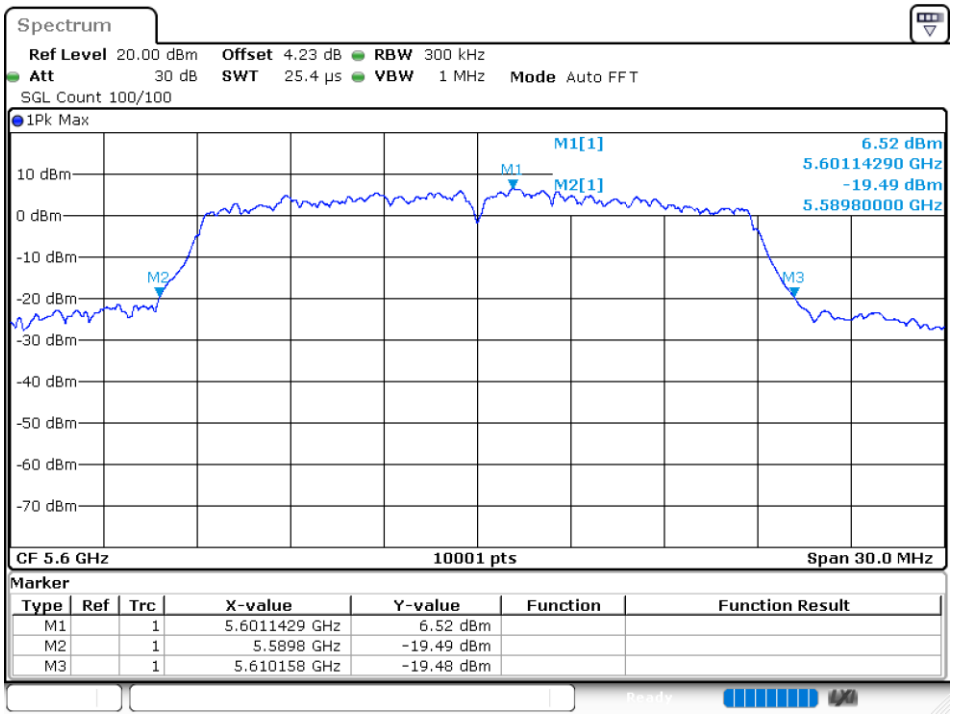
-26dB Bandwidth NVNT n40 5670MHz Ant1



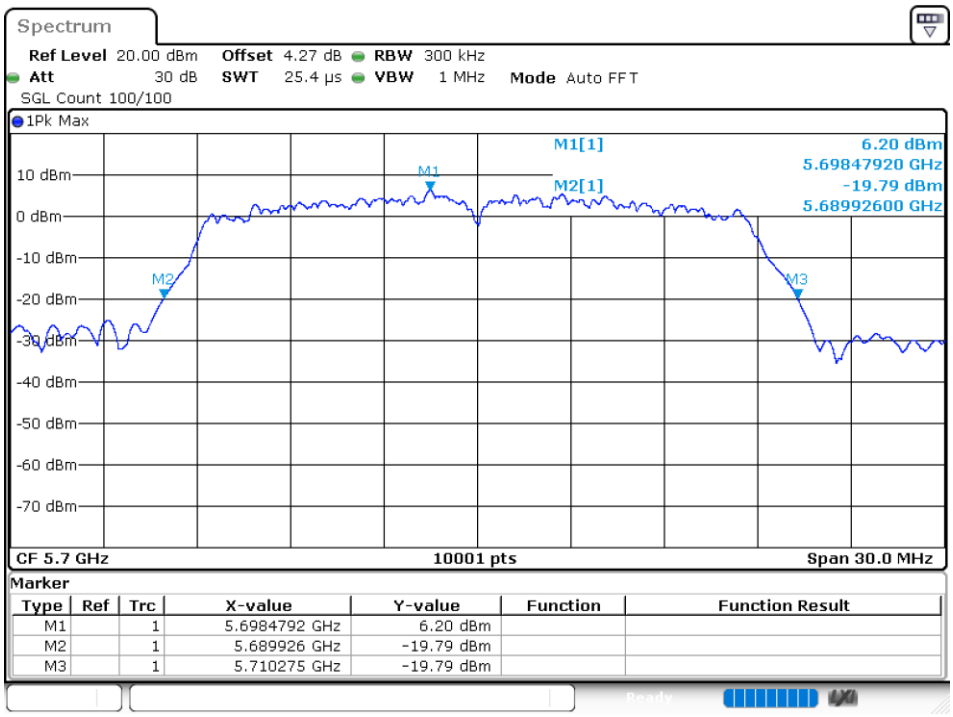
-26dB Bandwidth NVNT ac20 5500MHz Ant1



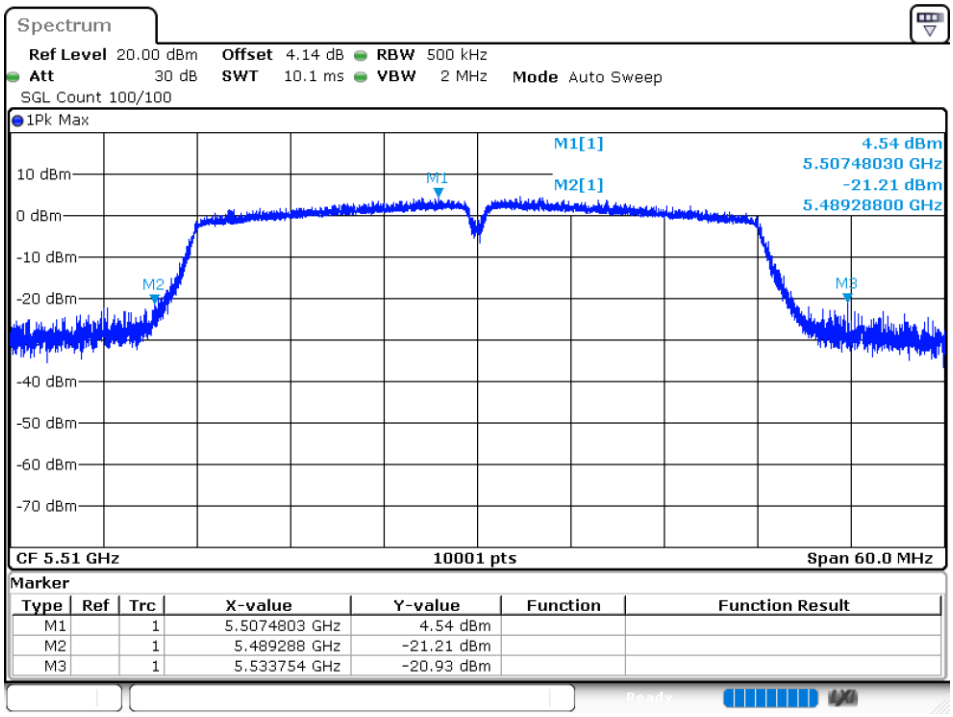
-26dB Bandwidth NVNT ac20 5600MHz Ant1



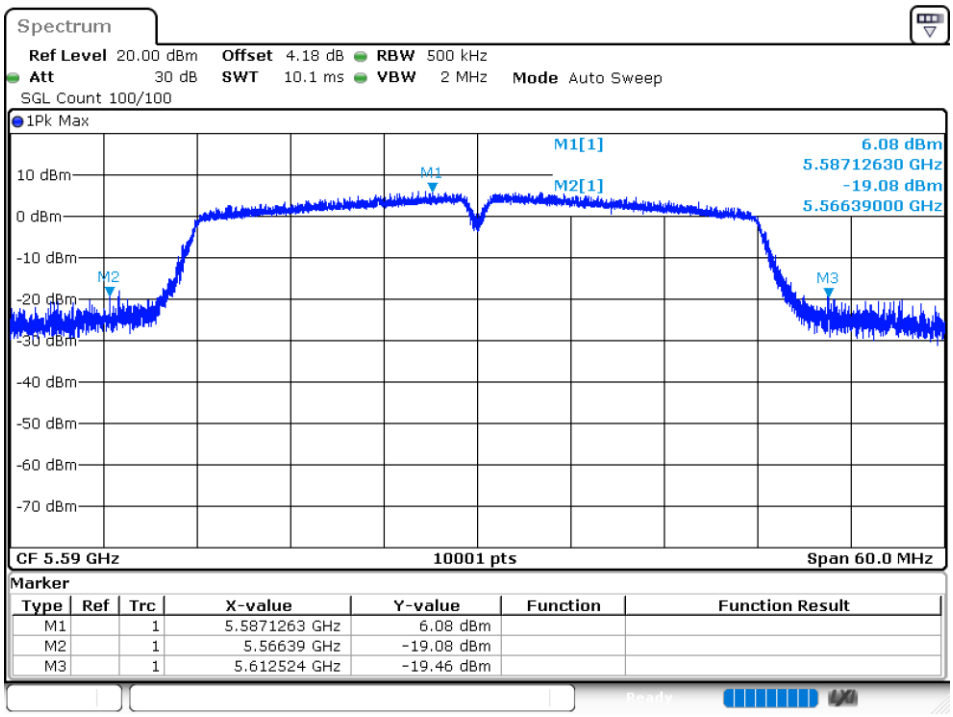
-26dB Bandwidth NVNT ac20 5700MHz Ant1



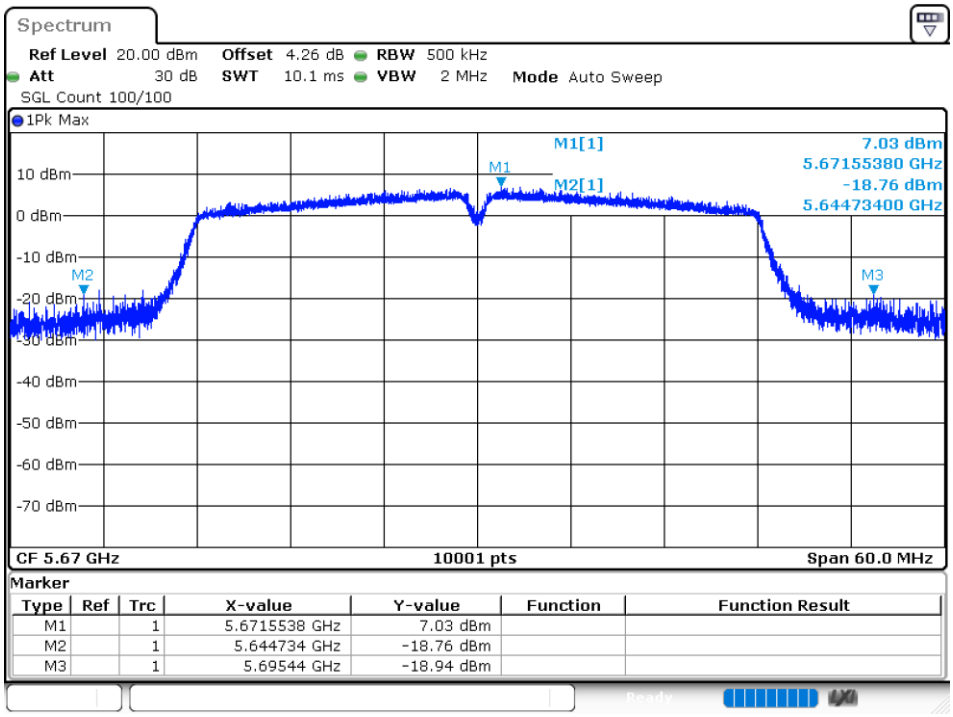
-26dB Bandwidth NVNT ac40 5510MHz Ant1



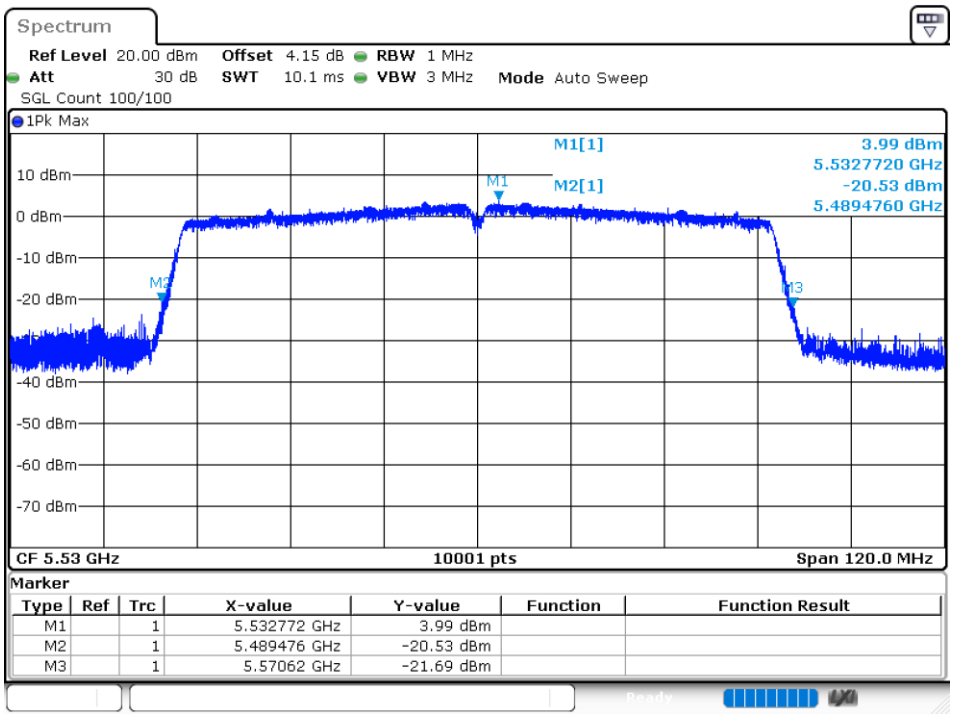
-26dB Bandwidth NVNT ac40 5590MHz Ant1



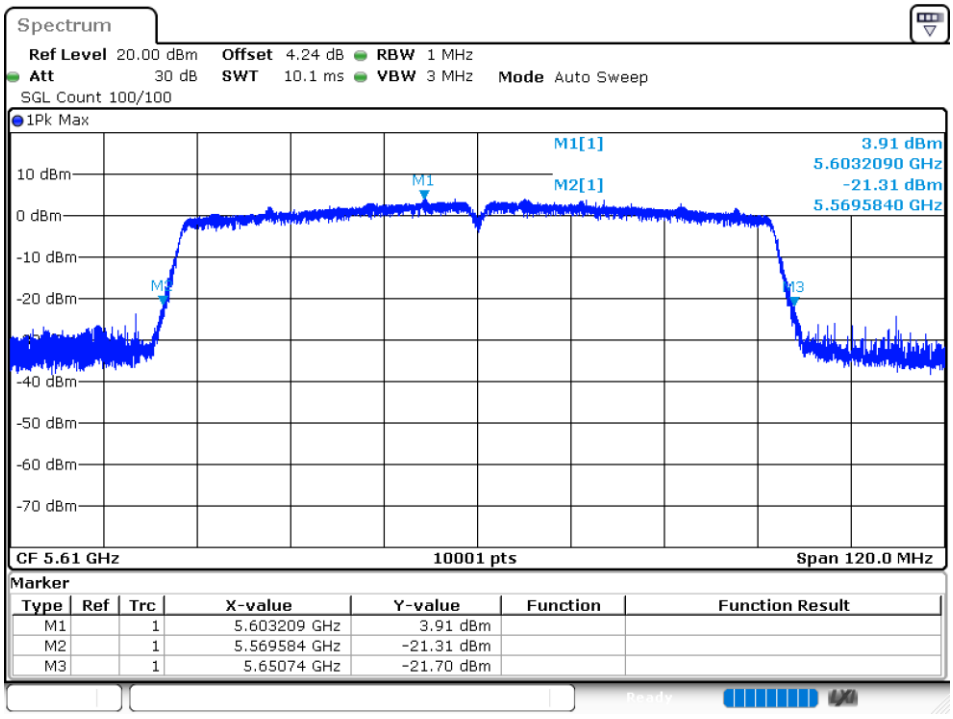
-26dB Bandwidth NVNT ac40 5670MHz Ant1



-26dB Bandwidth NVNT ac80 5530MHz Ant1



-26dB Bandwidth NVNT ac80 5610MHz Ant1

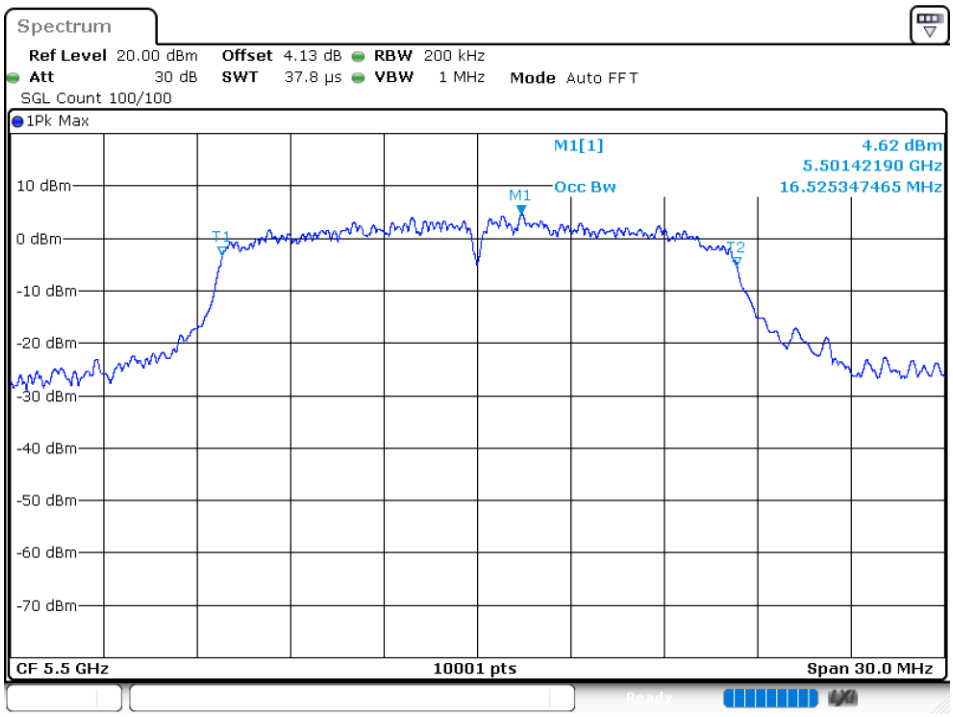


Occupied Channel Bandwidth

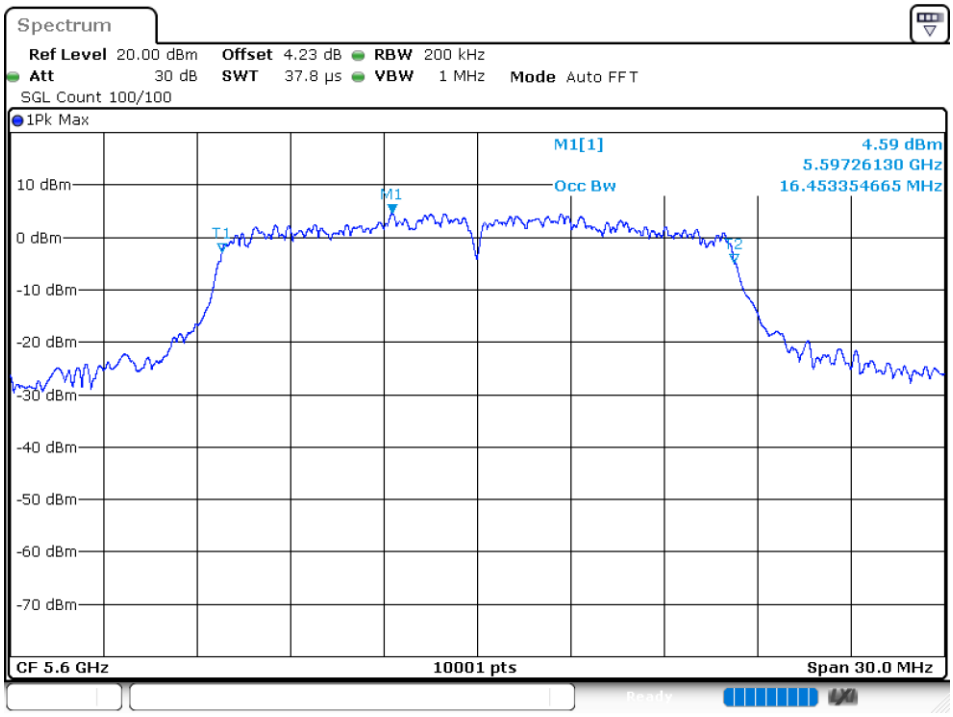
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.525
NVNT	a	5600	Ant1	16.453
NVNT	a	5700	Ant1	16.438
NVNT	n20	5500	Ant1	17.587
NVNT	n20	5600	Ant1	17.596
NVNT	n20	5700	Ant1	17.485
NVNT	n40	5510	Ant1	36.164
NVNT	n40	5590	Ant1	36.122
NVNT	n40	5670	Ant1	36.11
NVNT	ac20	5500	Ant1	17.68
NVNT	ac20	5600	Ant1	17.569
NVNT	ac20	5700	Ant1	17.533
NVNT	ac40	5510	Ant1	36.098
NVNT	ac40	5590	Ant1	36.086
NVNT	ac40	5670	Ant1	36.068
NVNT	ac80	5530	Ant1	75.232
NVNT	ac80	5610	Ant1	75.196

Test Graphs

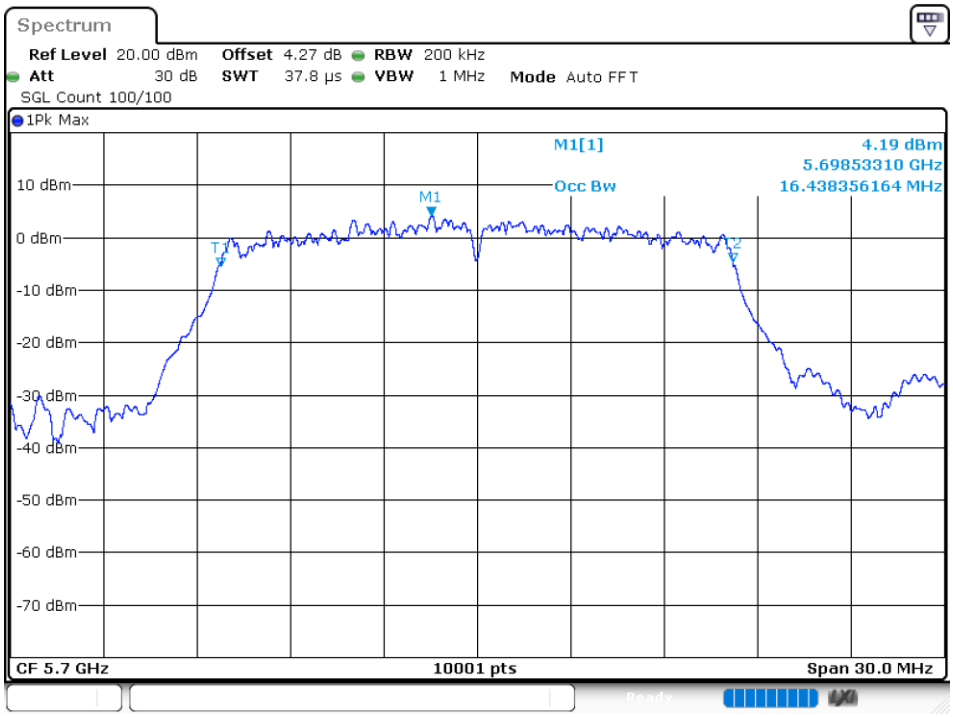
OBW NVNT a 5500MHz Ant1



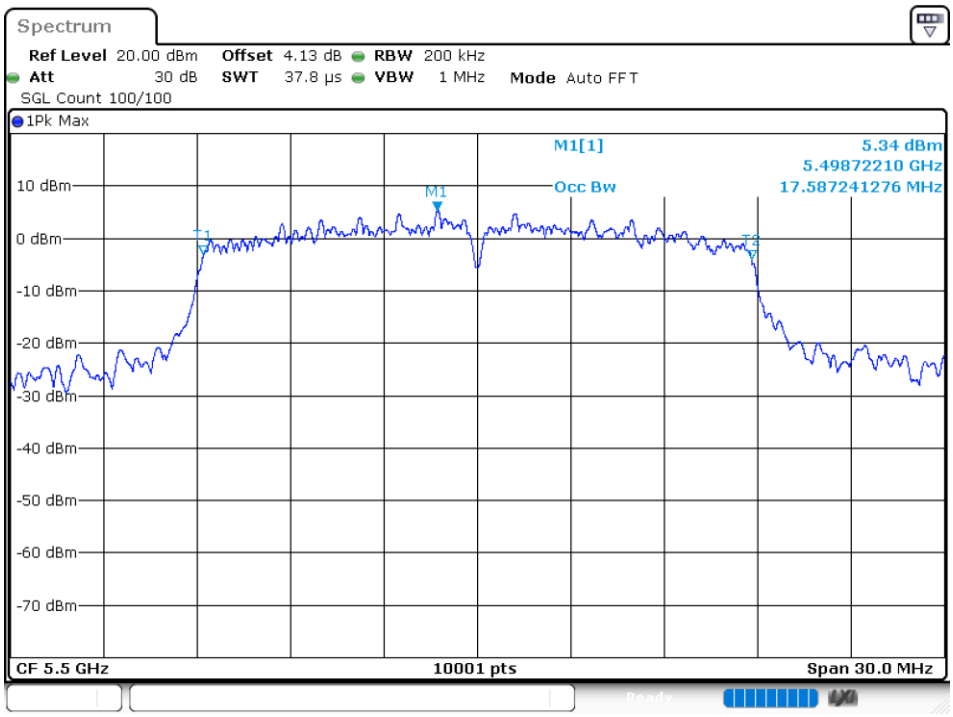
OBW NVNT a 5600MHz Ant1



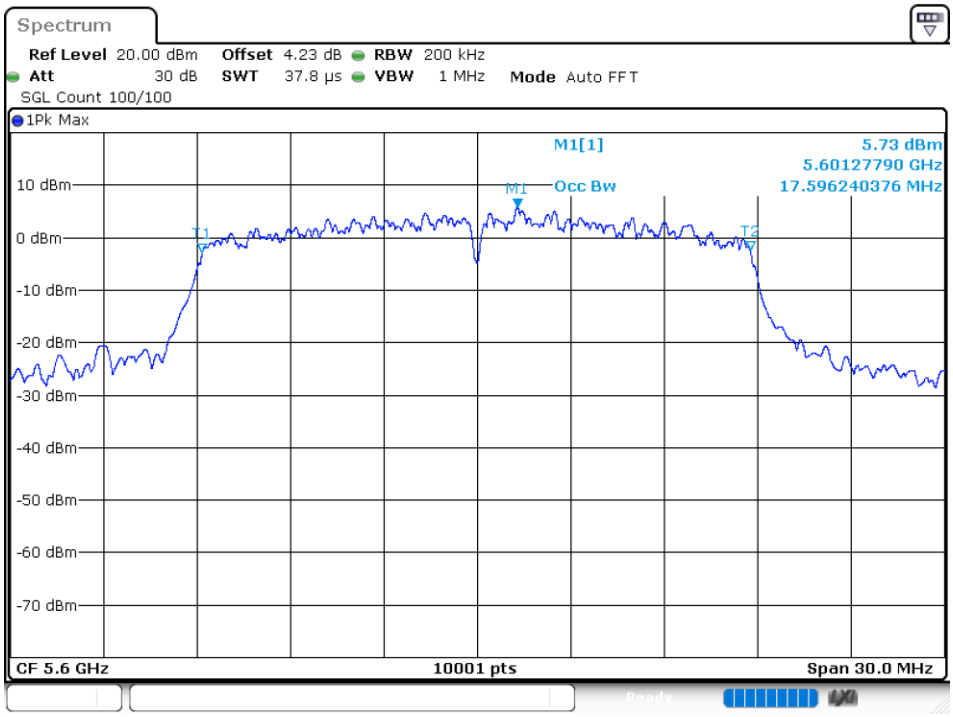
OBW NVNT a 5700MHz Ant1



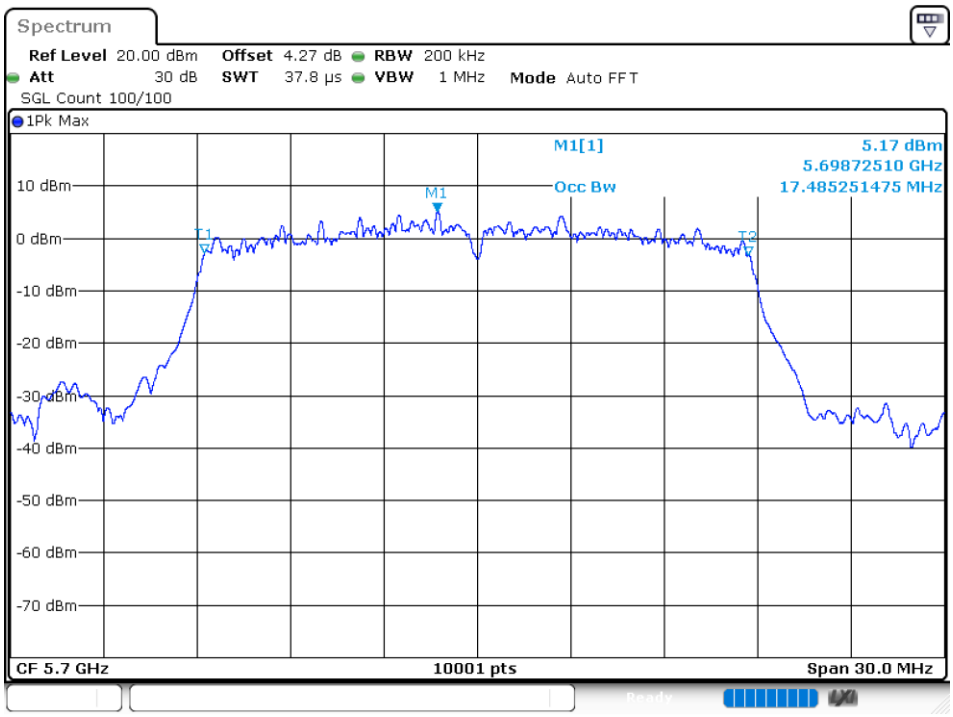
OBW NVNT n20 5500MHz Ant1



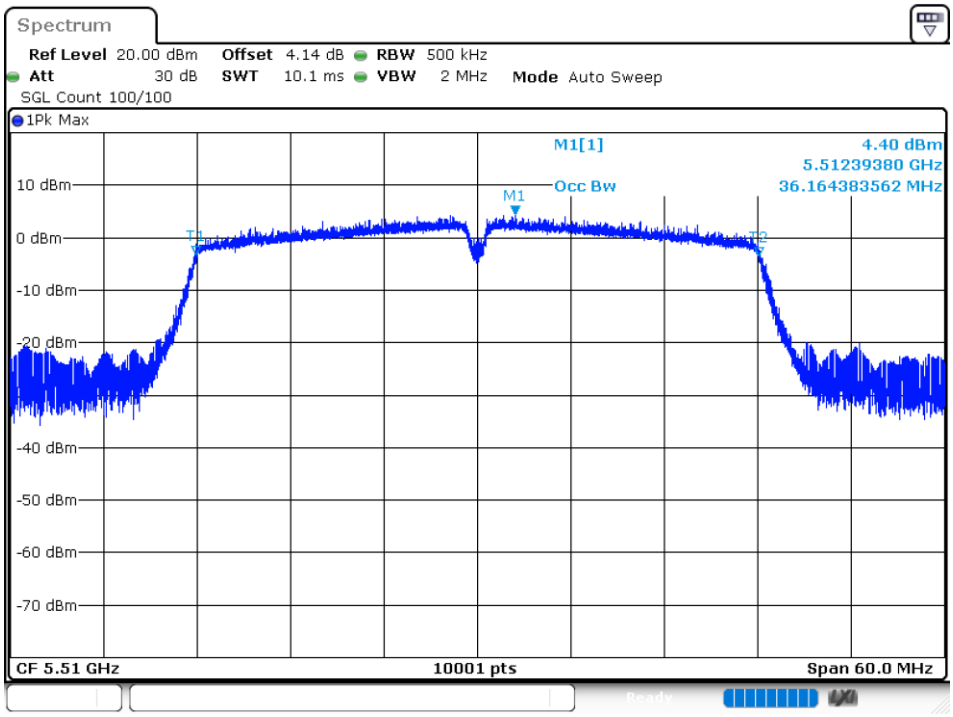
OBW NVNT n20 5600MHz Ant1



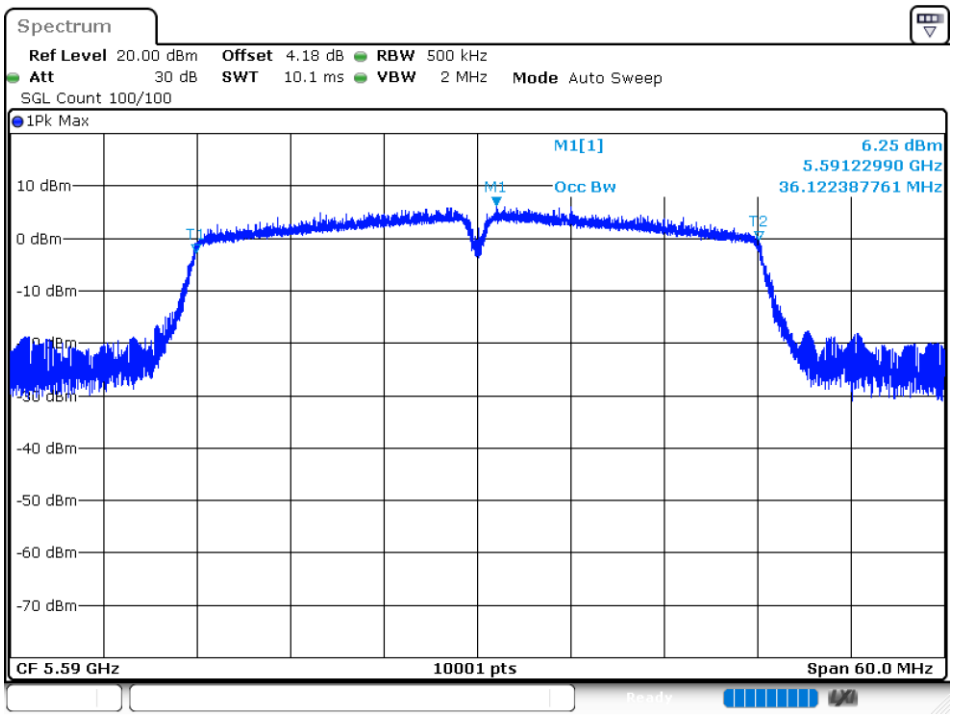
OBW NVNT n20 5700MHz Ant1



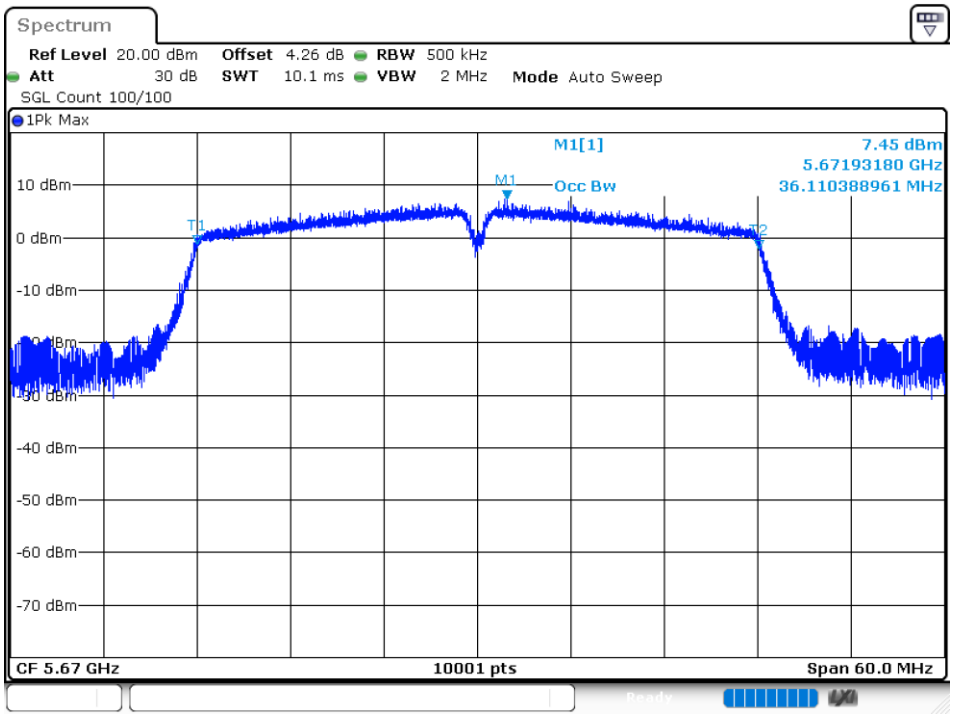
OBW NVNT n40 5510MHz Ant1



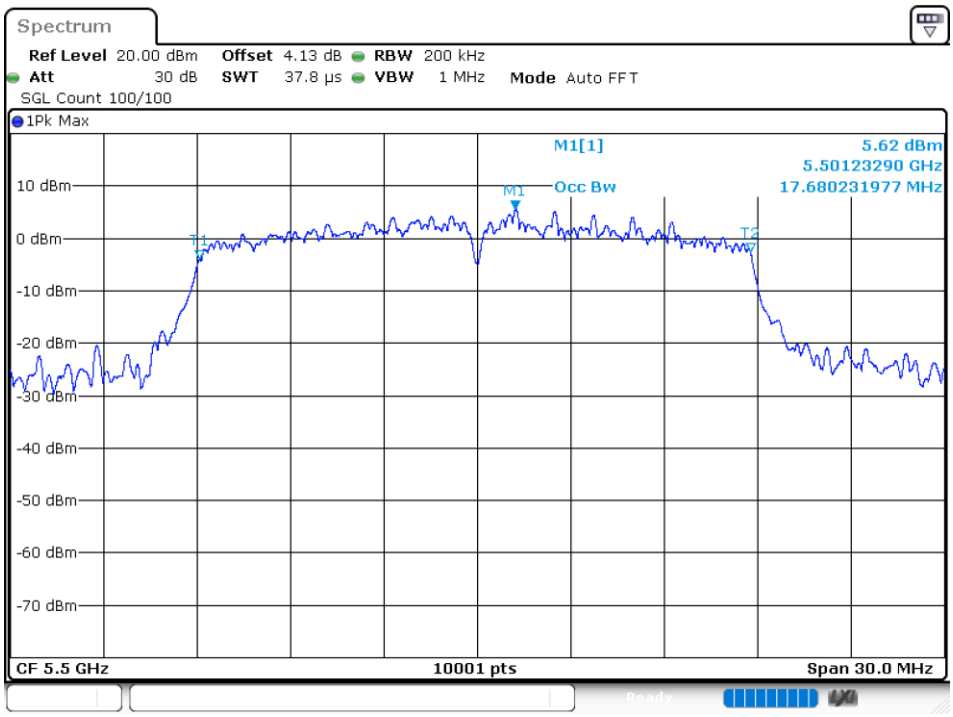
OBW NVNT n40 5590MHz Ant1



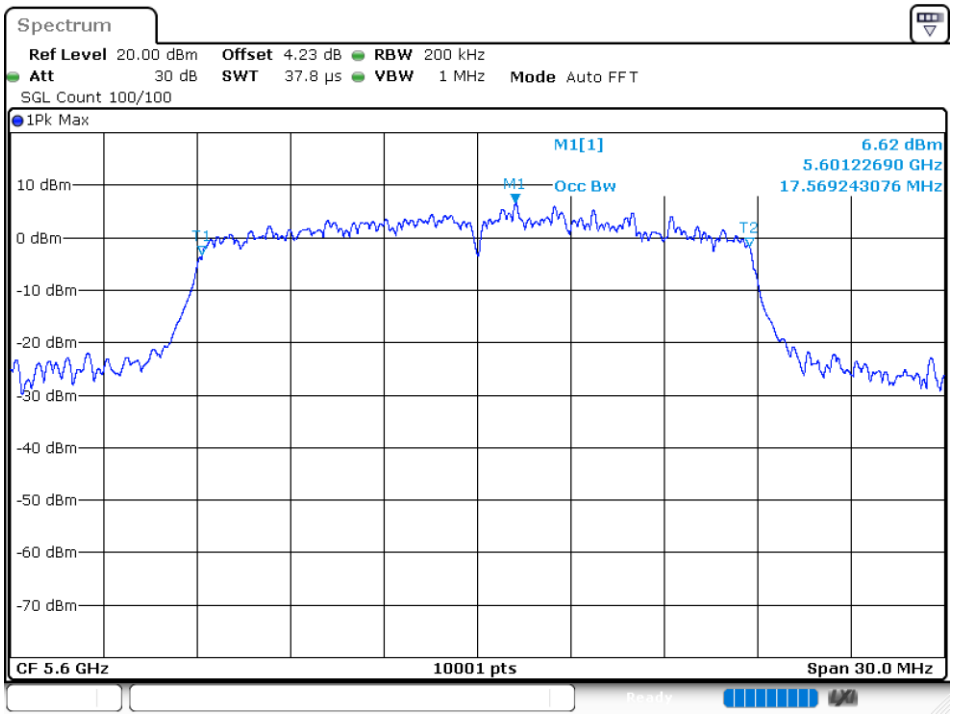
OBW NVNT n40 5670MHz Ant1



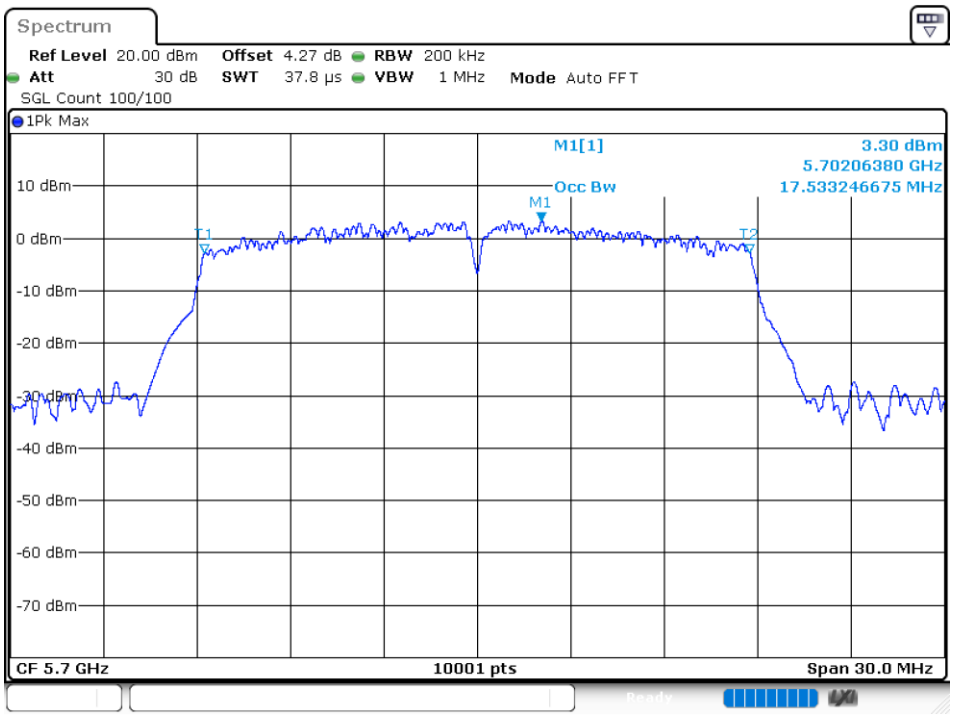
OBW NVNT ac20 5500MHz Ant1



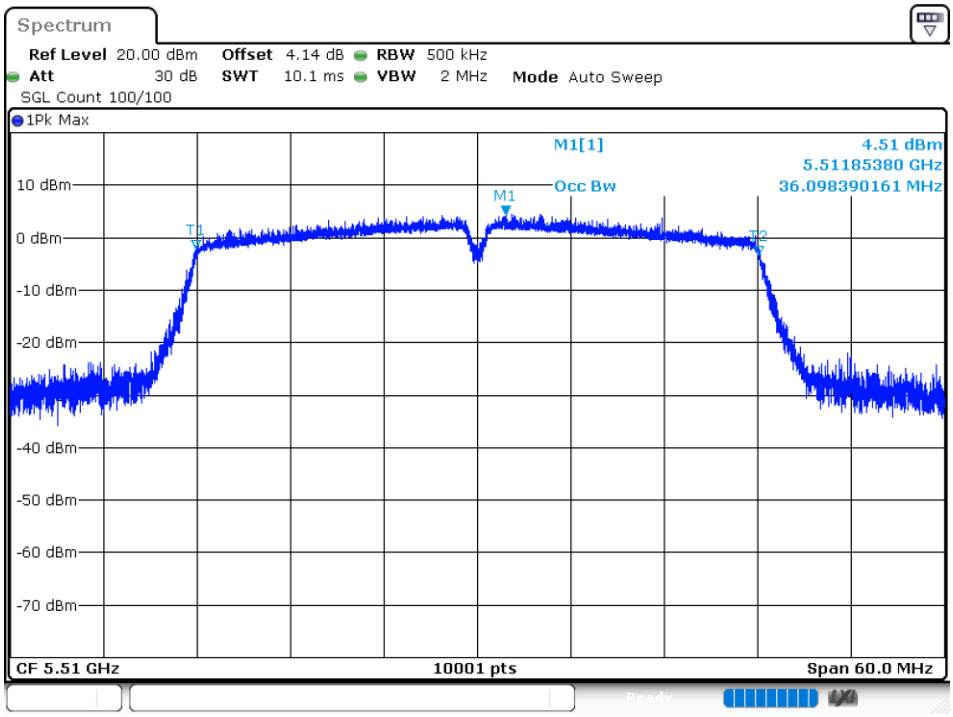
OBW NVNT ac20 5600MHz Ant1



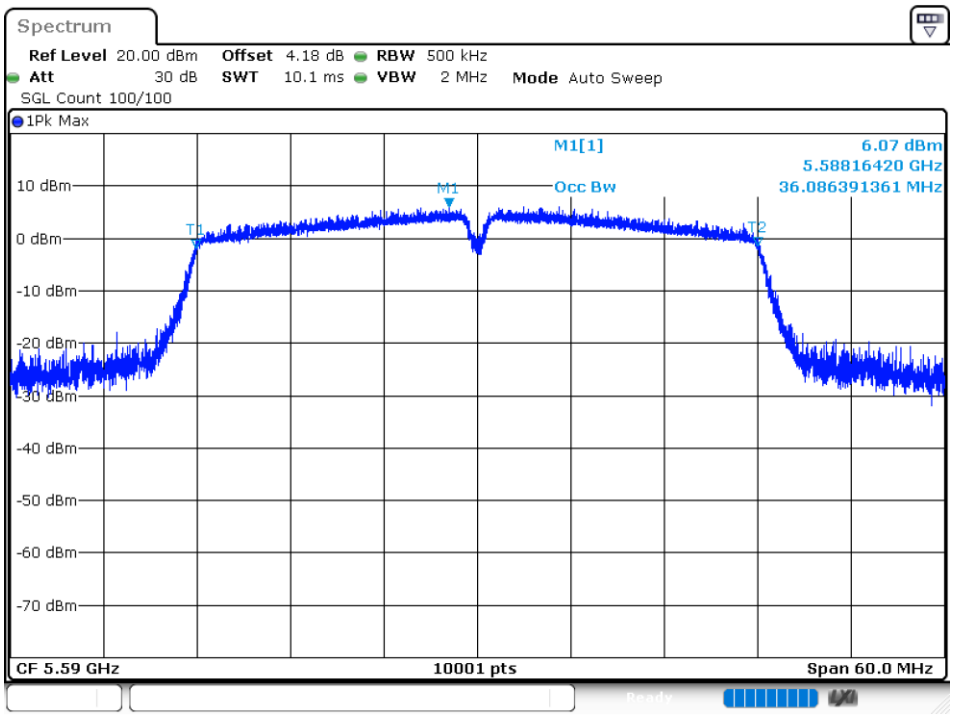
OBW NVNT ac20 5700MHz Ant1



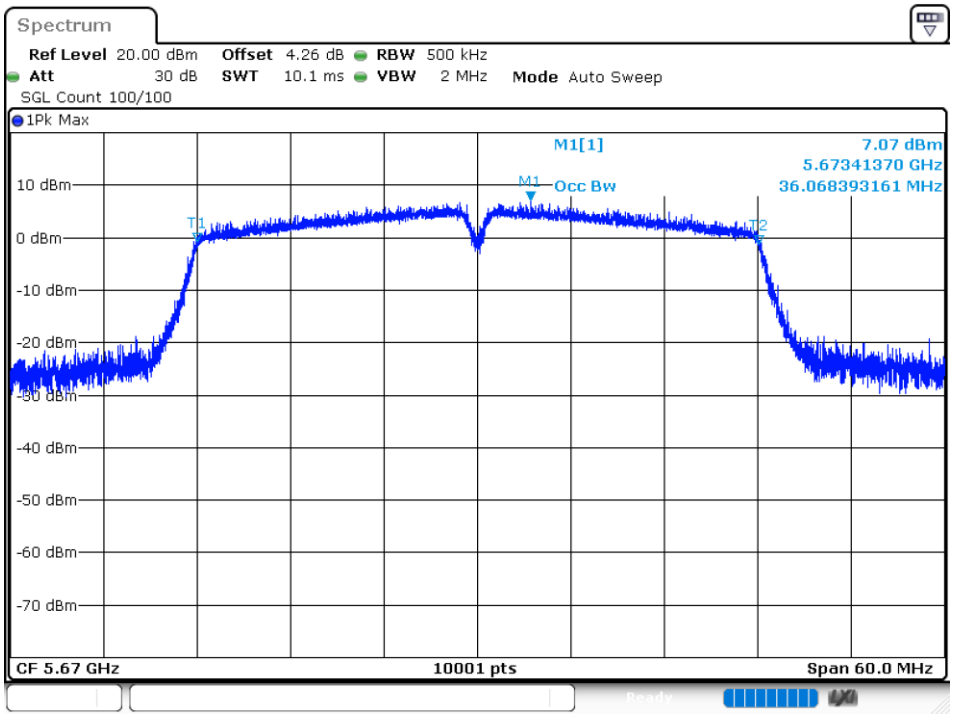
OBW NVNT ac40 5510MHz Ant1



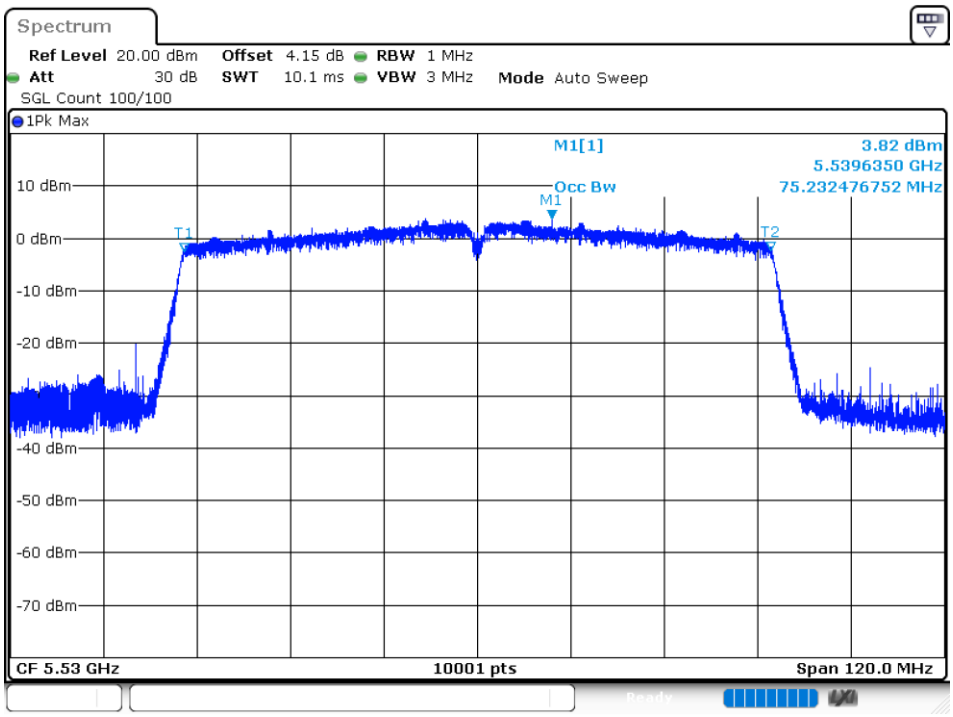
OBW NVNT ac40 5590MHz Ant1



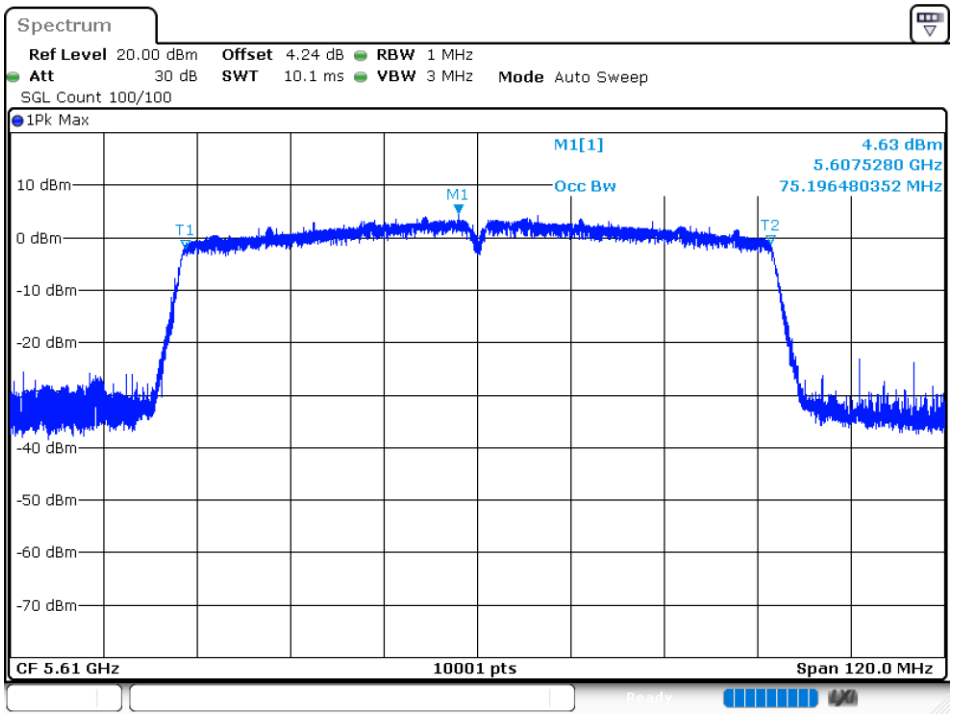
OBW NVNT ac40 5670MHz Ant1



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	2.24	0.08	2.32	11	Pass
NVNT	a	5600	Ant1	3.32	0.08	3.4	11	Pass
NVNT	a	5700	Ant1	2.16	0.08	2.24	11	Pass
NVNT	n20	5500	Ant1	1.95	0.09	2.04	11	Pass
NVNT	n20	5600	Ant1	2.87	0.09	2.96	11	Pass
NVNT	n20	5700	Ant1	1.99	0.08	2.07	11	Pass
NVNT	n40	5510	Ant1	-4.69	0.24	-4.45	11	Pass
NVNT	n40	5590	Ant1	-3.03	0.26	-2.77	11	Pass
NVNT	n40	5670	Ant1	-1.72	0.24	-1.48	11	Pass
NVNT	ac20	5500	Ant1	2.1	0.08	2.18	11	Pass
NVNT	ac20	5600	Ant1	2.91	0.08	2.99	11	Pass
NVNT	ac20	5700	Ant1	1.86	0.09	1.95	11	Pass
NVNT	ac40	5510	Ant1	-3.61	0.21	-3.4	11	Pass
NVNT	ac40	5590	Ant1	-2.15	0.2	-1.95	11	Pass
NVNT	ac40	5670	Ant1	-2.27	0.2	-2.07	11	Pass
NVNT	ac80	5530	Ant1	-12.33	0.67	-11.66	11	Pass
NVNT	ac80	5610	Ant1	-11.83	0.59	-11.24	11	Pass