

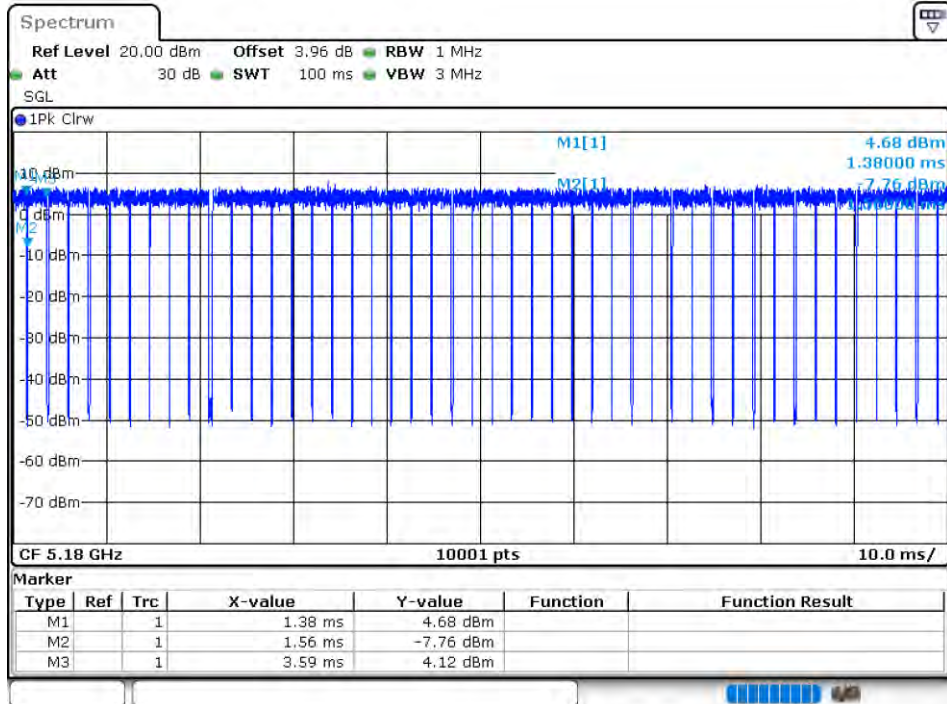
5.2G WIFI

Duty Cycle

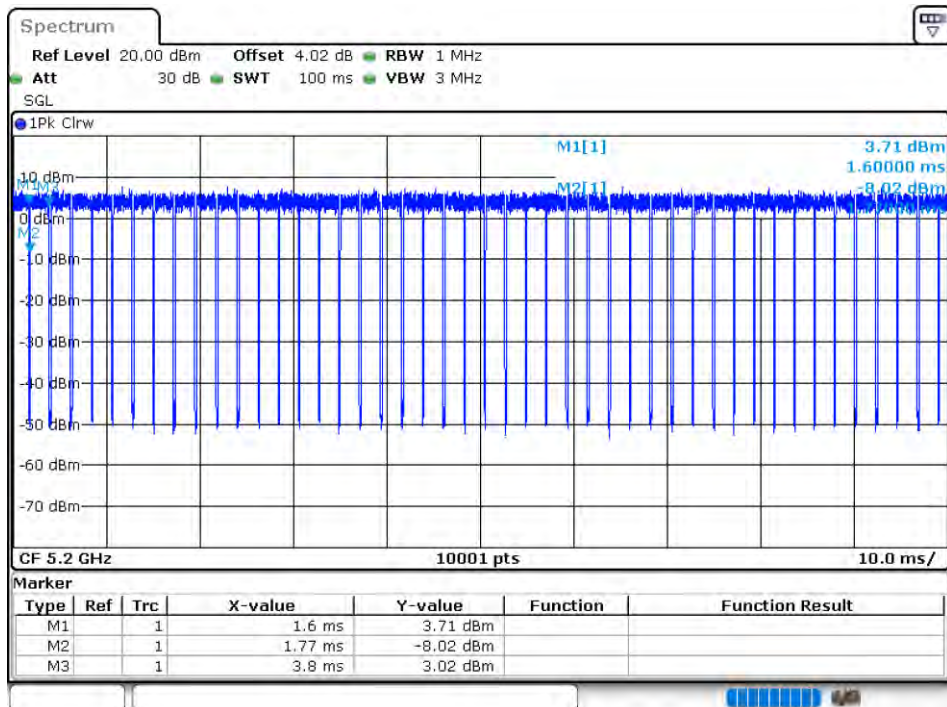
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	94.34	0.25	0.49
NVNT	a	5200	Ant1	92.37	0.34	0.49
NVNT	a	5240	Ant1	94.54	0.24	0.49
NVNT	n20	5180	Ant1	92.21	0.35	0.53
NVNT	n20	5200	Ant1	91.37	0.39	0.53
NVNT	n20	5240	Ant1	93.93	0.27	0.53
NVNT	n40	5190	Ant1	89.11	0.5	1.06
NVNT	n40	5230	Ant1	86.31	0.64	1.08
NVNT	ac20	5180	Ant1	94.24	0.26	0.53
NVNT	ac20	5200	Ant1	92.63	0.33	0.53
NVNT	ac20	5240	Ant1	92.67	0.33	0.52
NVNT	ac40	5190	Ant1	89.15	0.5	1.06
NVNT	ac40	5230	Ant1	86.61	0.62	1.06
NVNT	ax20	5180	Ant1	92.2	0.35	0.68
NVNT	ax20	5200	Ant1	89.93	0.46	0.68
NVNT	ax20	5240	Ant1	91.04	0.41	0.68
NVNT	ax40	5190	Ant1	86.53	0.63	1.32
NVNT	ax40	5230	Ant1	87.82	0.56	1.32

Test Graphs

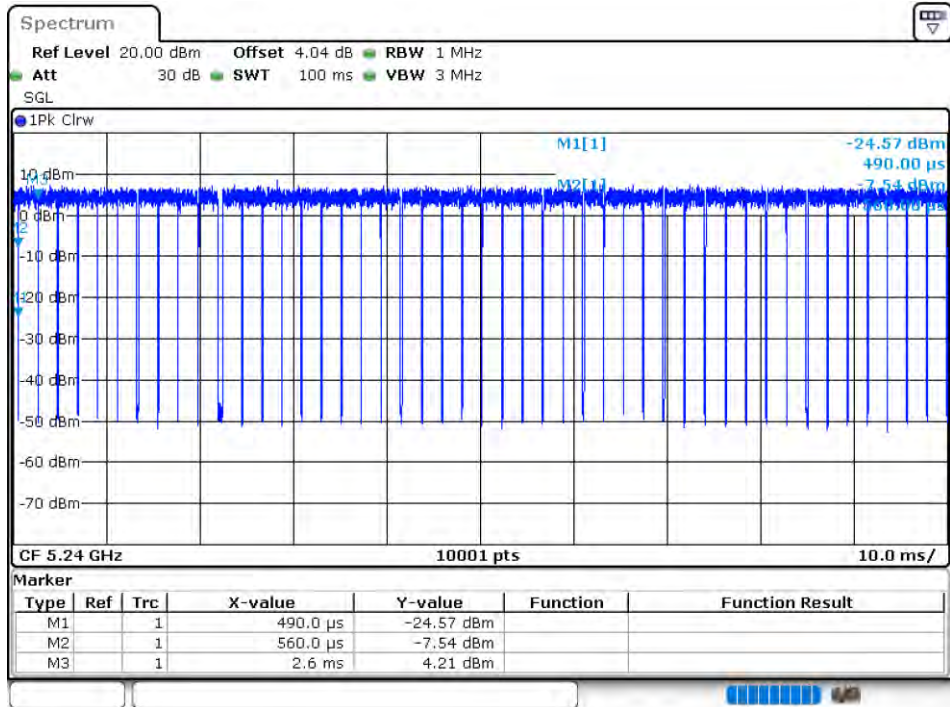
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



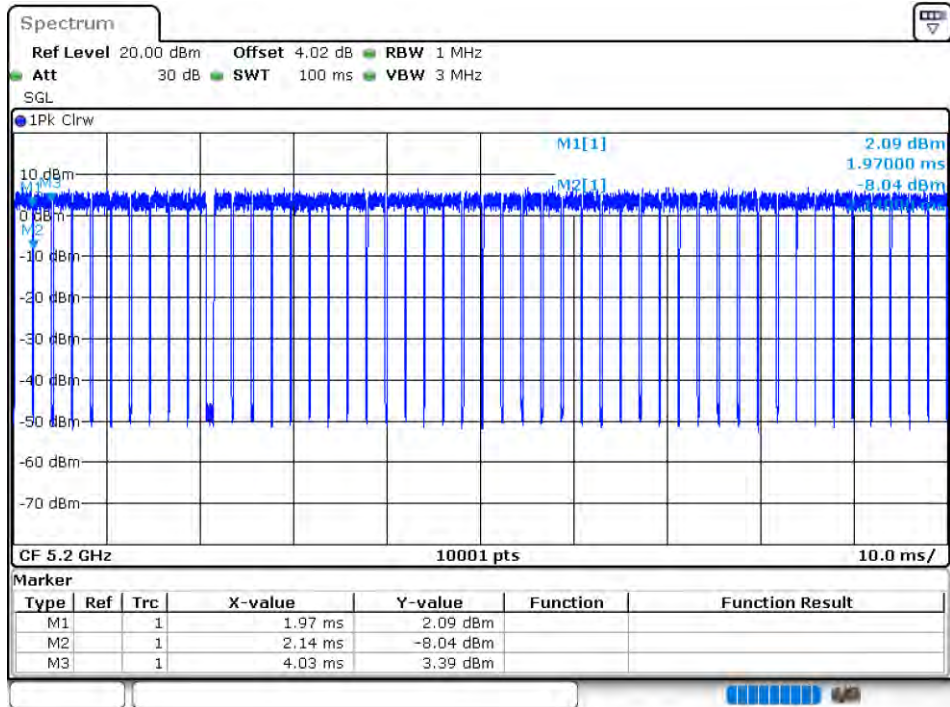
Duty Cycle NVNT a 5240MHz Ant1



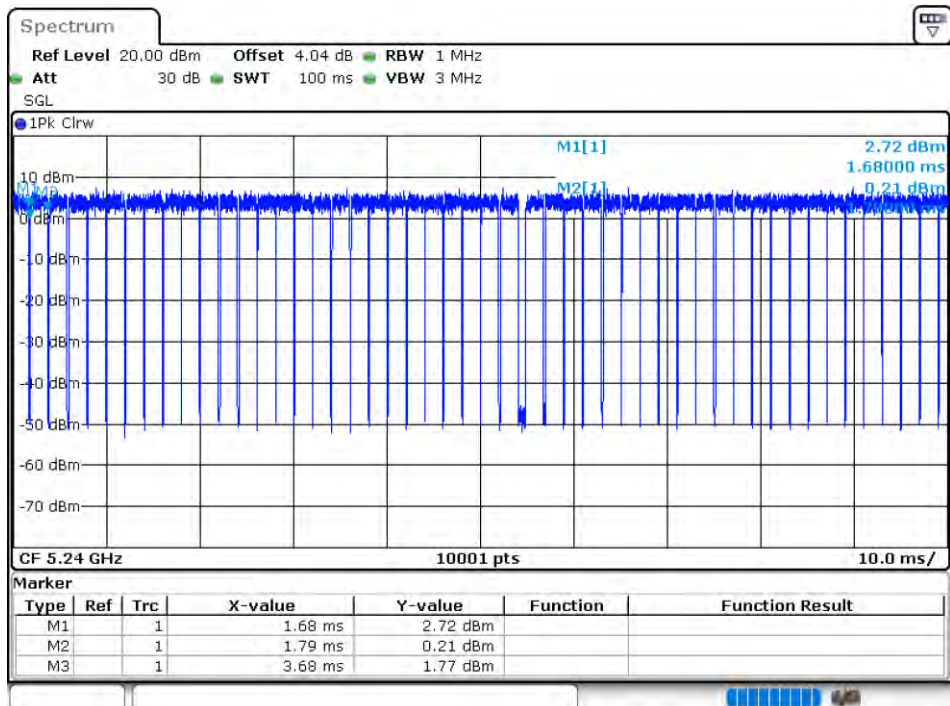
Duty Cycle NVNT n20 5180MHz Ant1



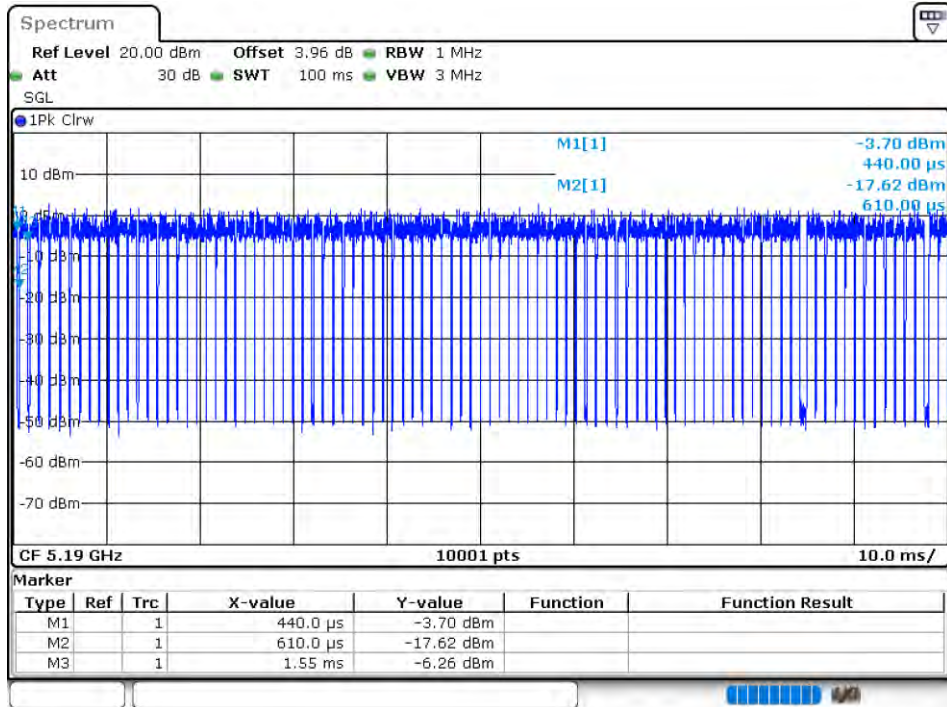
Duty Cycle NVNT n20 5200MHz Ant1



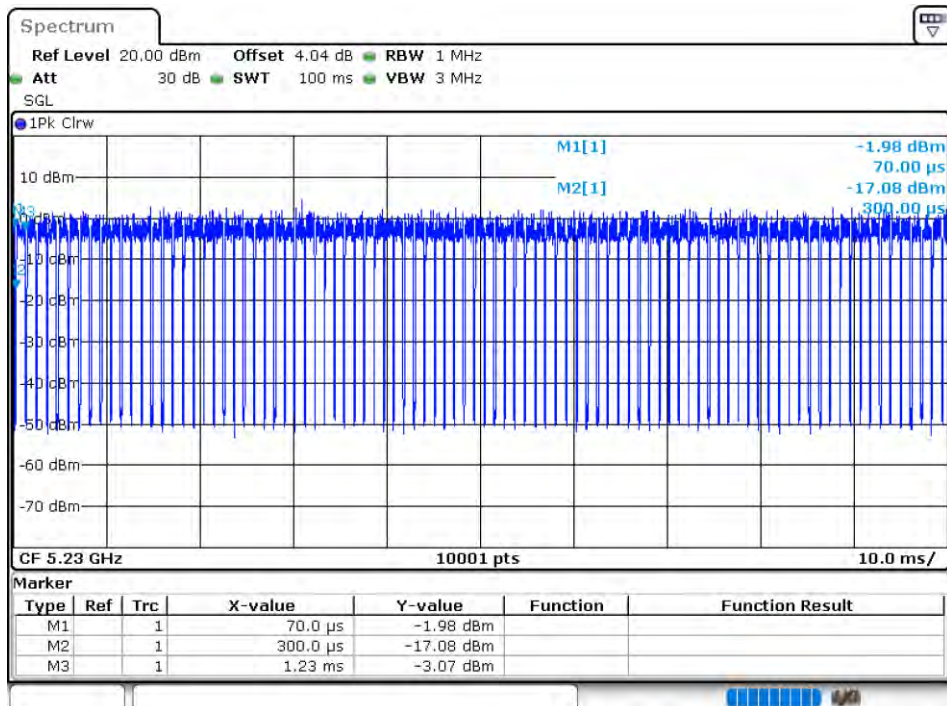
Duty Cycle NVNT n20 5240MHz Ant1



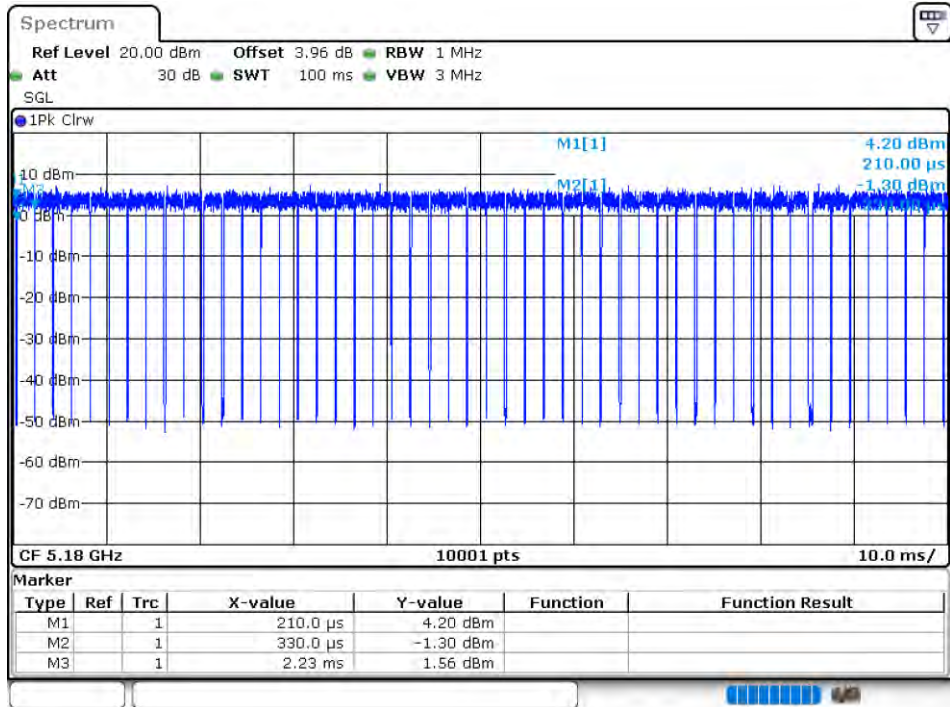
Duty Cycle NVNT n40 5190MHz Ant1



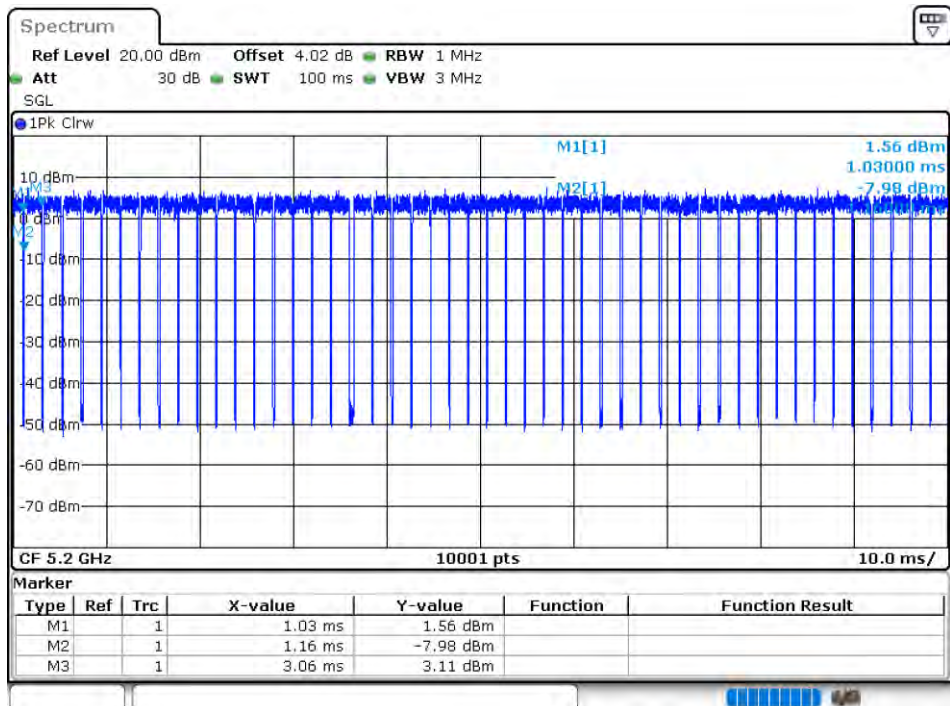
Duty Cycle NVNT n40 5230MHz Ant1



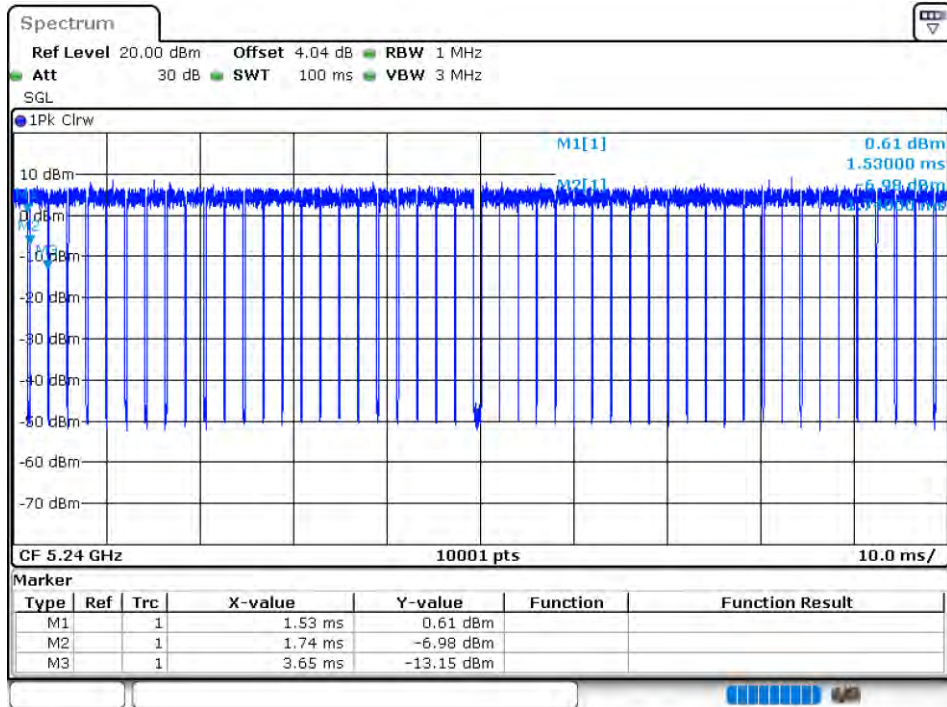
Duty Cycle NVNT ac20 5180MHz Ant1



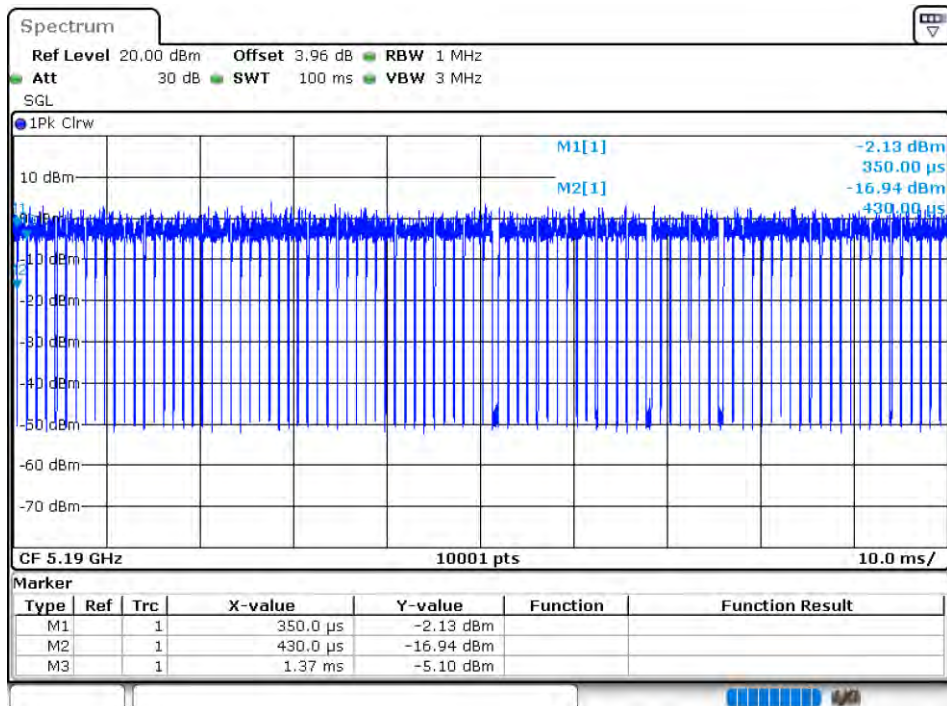
Duty Cycle NVNT ac20 5200MHz Ant1



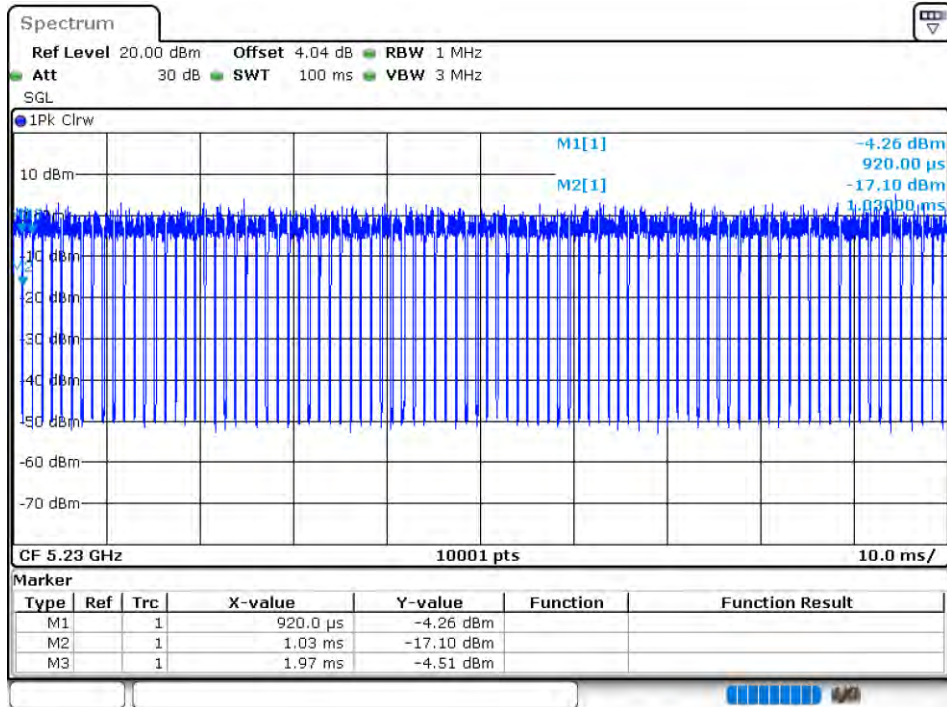
Duty Cycle NVNT ac20 5240MHz Ant1



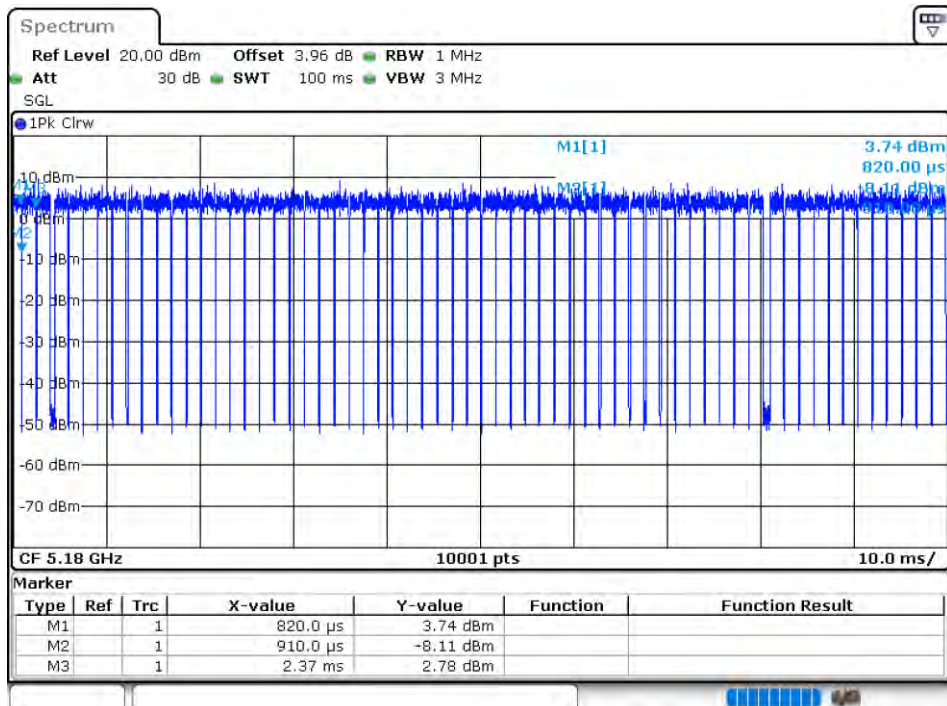
Duty Cycle NVNT ac40 5190MHz Ant1



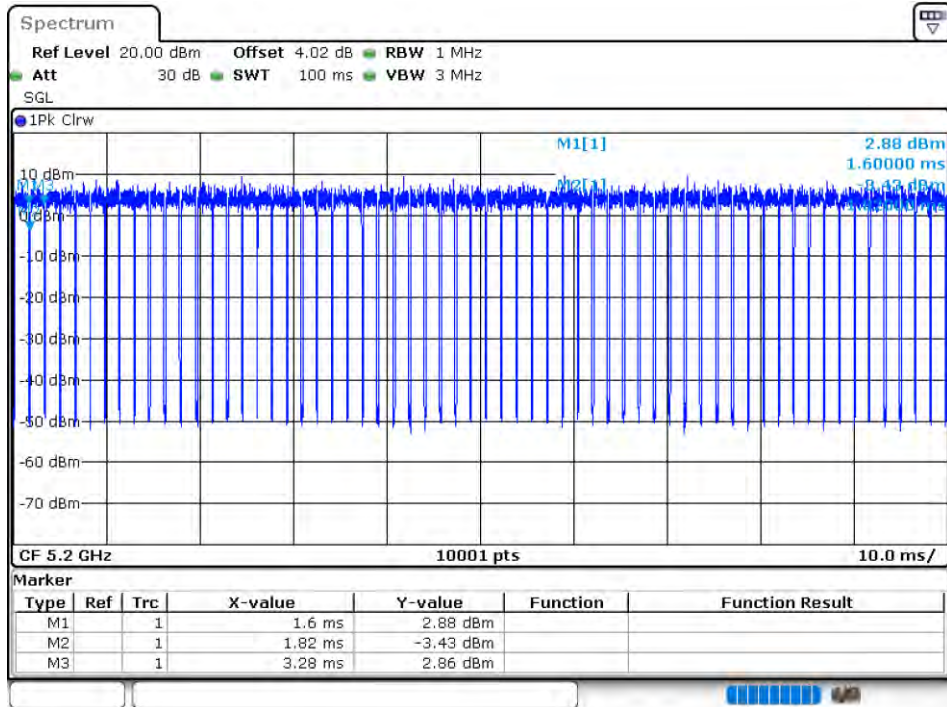
Duty Cycle NVNT ac40 5230MHz Ant1



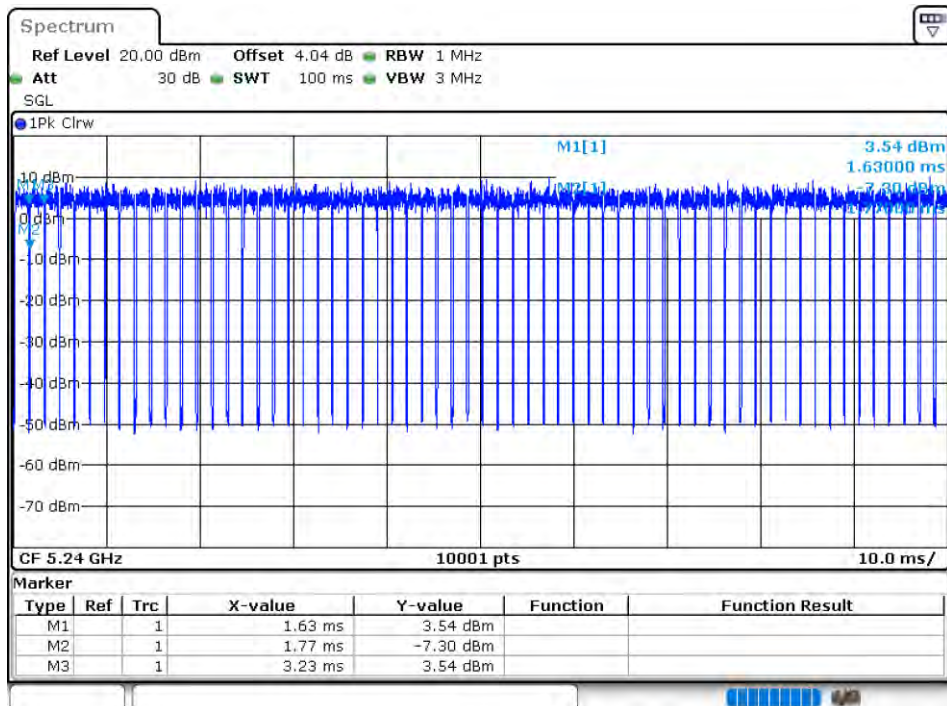
Duty Cycle NVNT ax20 5180MHz Ant1



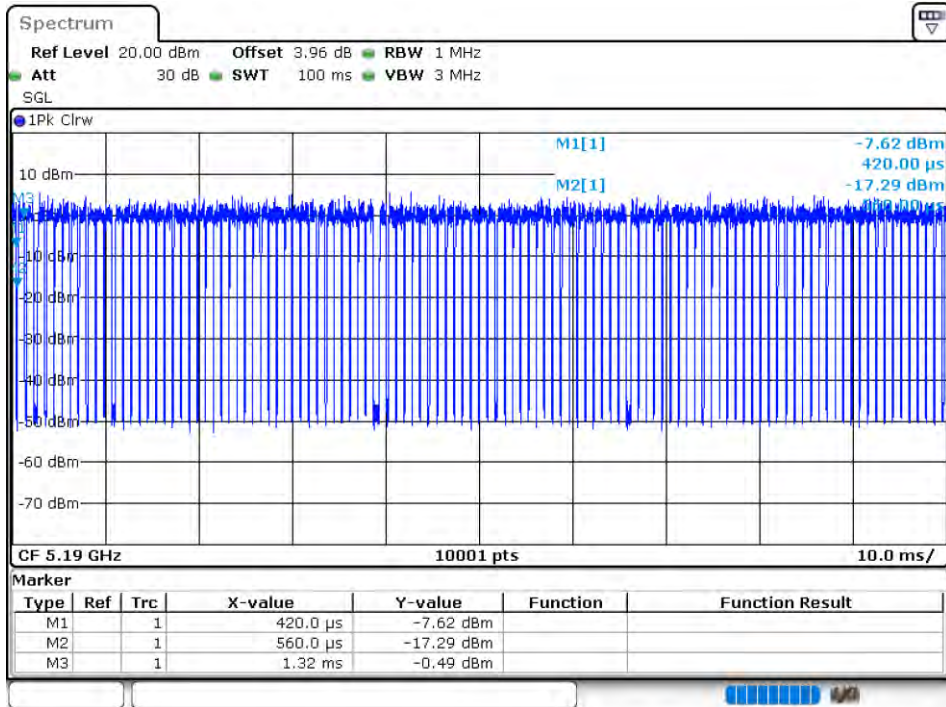
Duty Cycle NVNT ax20 5200MHz Ant1



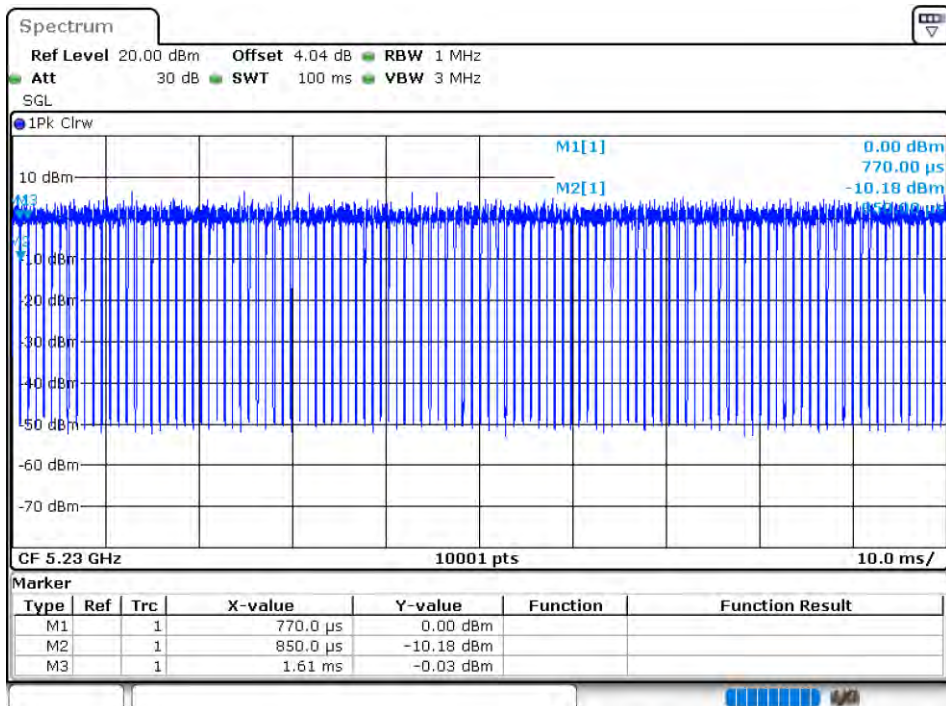
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.66	24	Pass
NVNT	a	5200	Ant1	11.71	24	Pass
NVNT	a	5240	Ant1	11.44	24	Pass
NVNT	n20	5180	Ant1	11.5	24	Pass
NVNT	n20	5200	Ant1	11.48	24	Pass
NVNT	n20	5240	Ant1	11.24	24	Pass
NVNT	n40	5190	Ant1	11.42	24	Pass
NVNT	n40	5230	Ant1	11.2	24	Pass
NVNT	ac20	5180	Ant1	11.5	24	Pass
NVNT	ac20	5200	Ant1	11.41	24	Pass
NVNT	ac20	5240	Ant1	12.02	24	Pass
NVNT	ac40	5190	Ant1	11.87	24	Pass
NVNT	ac40	5230	Ant1	11.72	24	Pass
NVNT	ax20	5180	Ant1	11.5	24	Pass
NVNT	ax20	5200	Ant1	12.01	24	Pass
NVNT	ax20	5240	Ant1	11.62	24	Pass
NVNT	ax40	5190	Ant1	11.16	24	Pass
NVNT	ax40	5230	Ant1	11.27	24	Pass

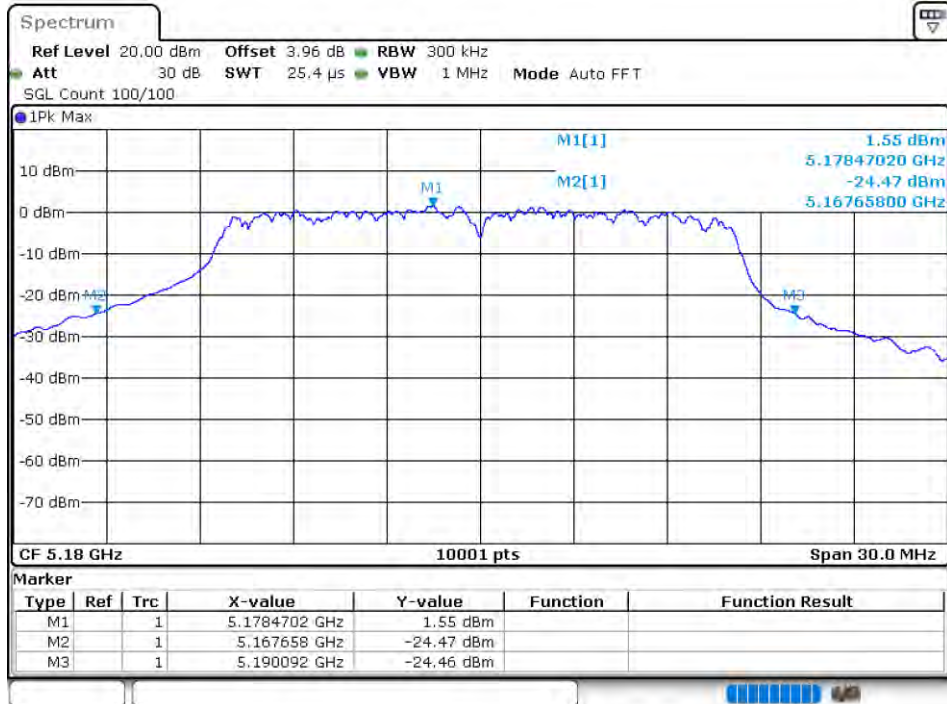
Note: The average power contains duty cycle

-26dB Bandwidth

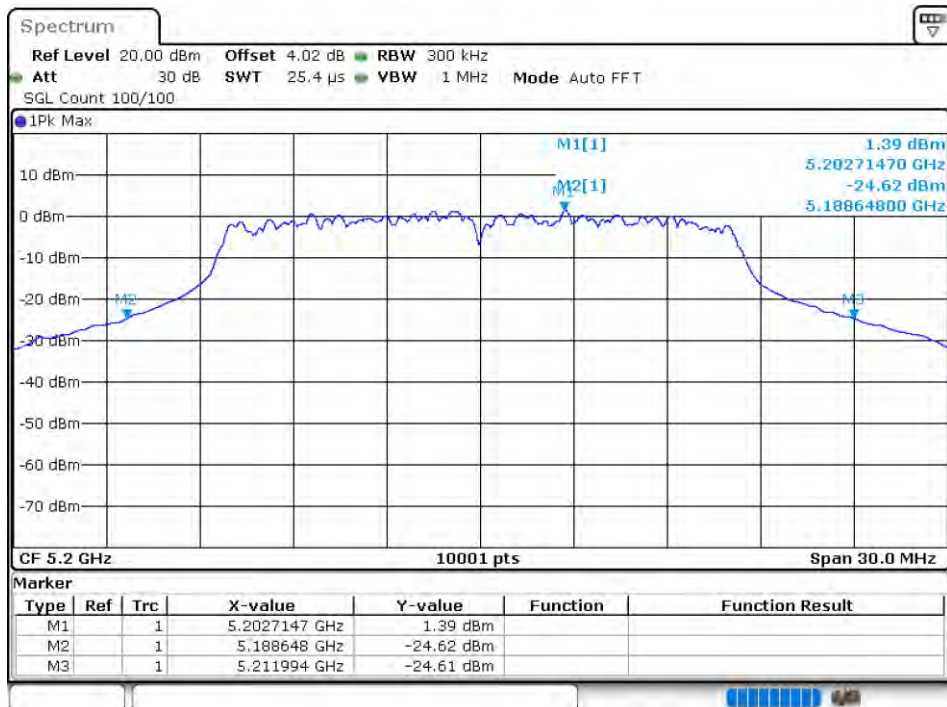
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	22.434	Pass
NVNT	a	5200	Ant1	23.346	Pass
NVNT	a	5240	Ant1	23.004	Pass
NVNT	n20	5180	Ant1	23.232	Pass
NVNT	n20	5200	Ant1	23.637	Pass
NVNT	n20	5240	Ant1	24.015	Pass
NVNT	n40	5190	Ant1	46.308	Pass
NVNT	n40	5230	Ant1	45.996	Pass
NVNT	ac20	5180	Ant1	24.771	Pass
NVNT	ac20	5200	Ant1	24.141	Pass
NVNT	ac20	5240	Ant1	23.187	Pass
NVNT	ac40	5190	Ant1	46.626	Pass
NVNT	ac40	5230	Ant1	46.716	Pass
NVNT	ax20	5180	Ant1	20.967	Pass
NVNT	ax20	5200	Ant1	22.317	Pass
NVNT	ax20	5240	Ant1	24.93	Pass
NVNT	ax40	5190	Ant1	45.318	Pass
NVNT	ax40	5230	Ant1	44.646	Pass

Test Graphs

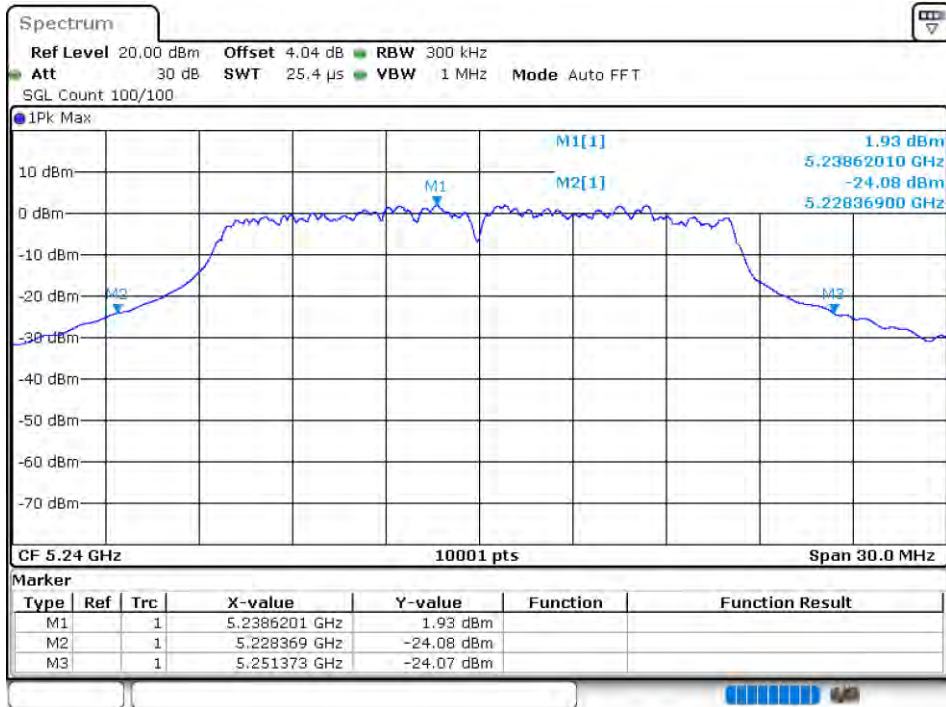
-26dB Bandwidth NVNT a 5180MHz Ant1



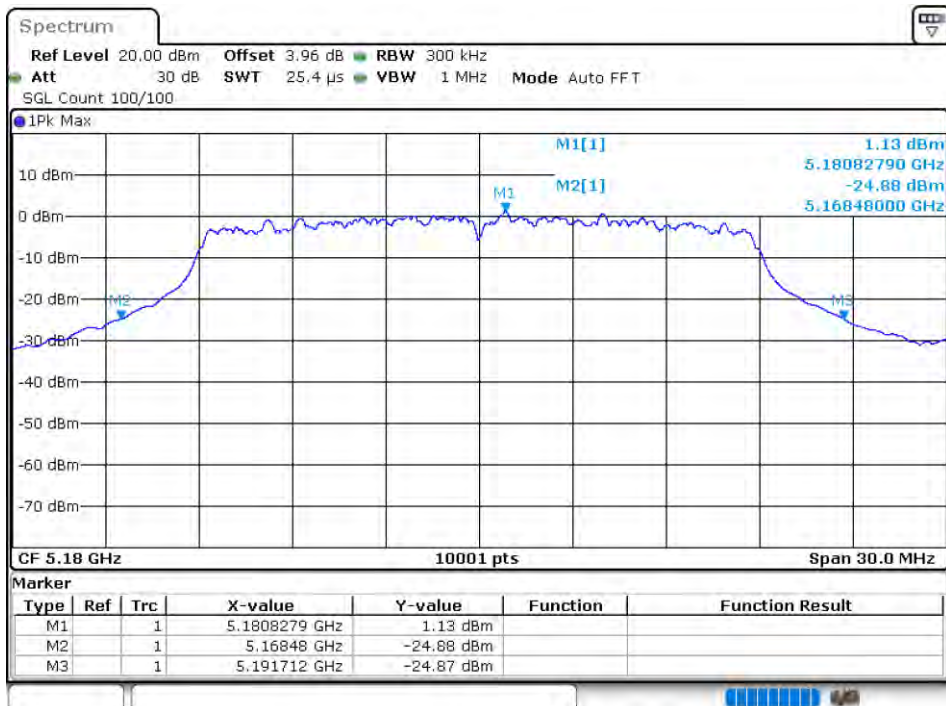
-26dB Bandwidth NVNT a 5200MHz Ant1



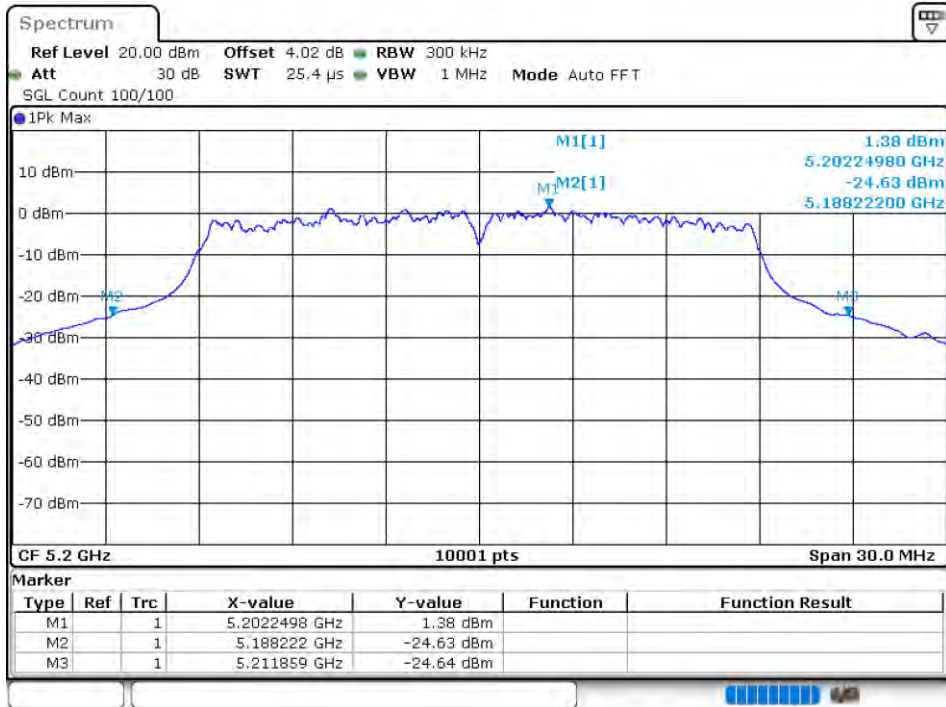
-26dB Bandwidth NVNT a 5240MHz Ant1



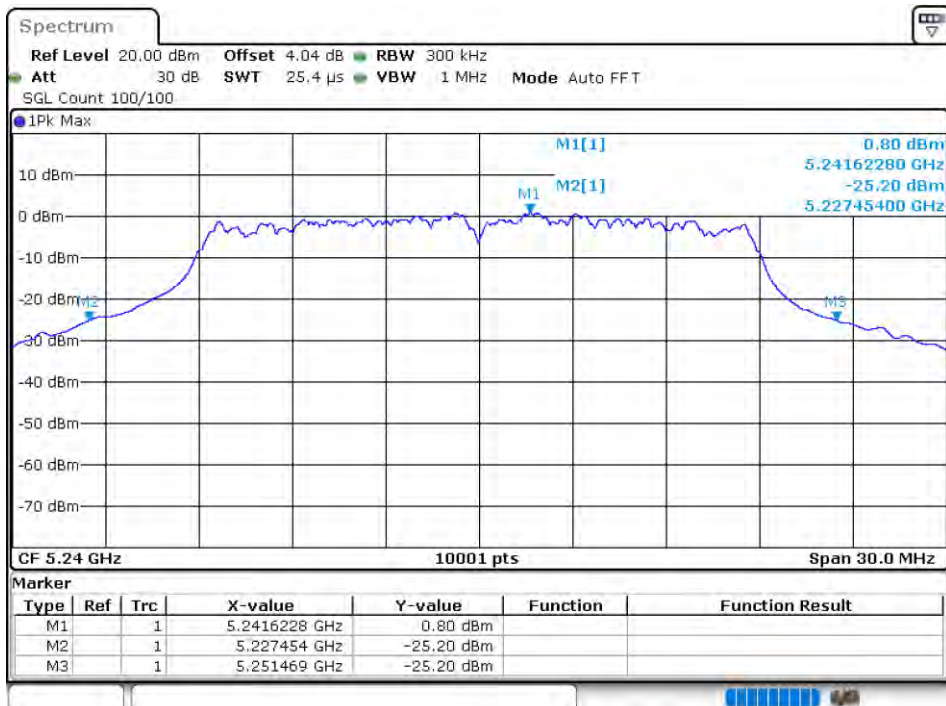
-26dB Bandwidth NVNT n20 5180MHz Ant1



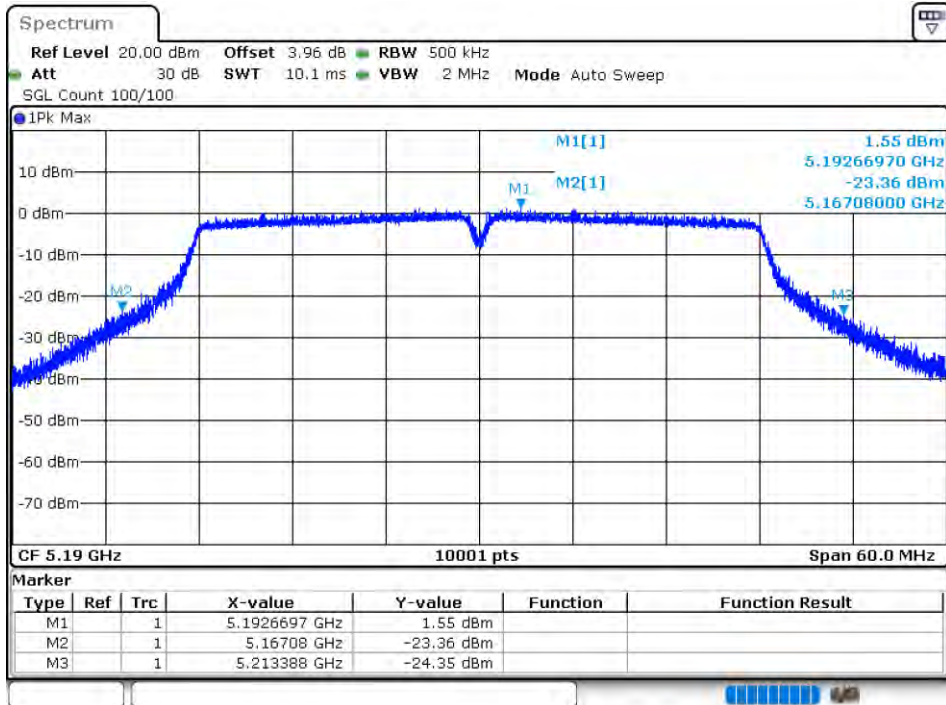
-26dB Bandwidth NVNT n20 5200MHz Ant1



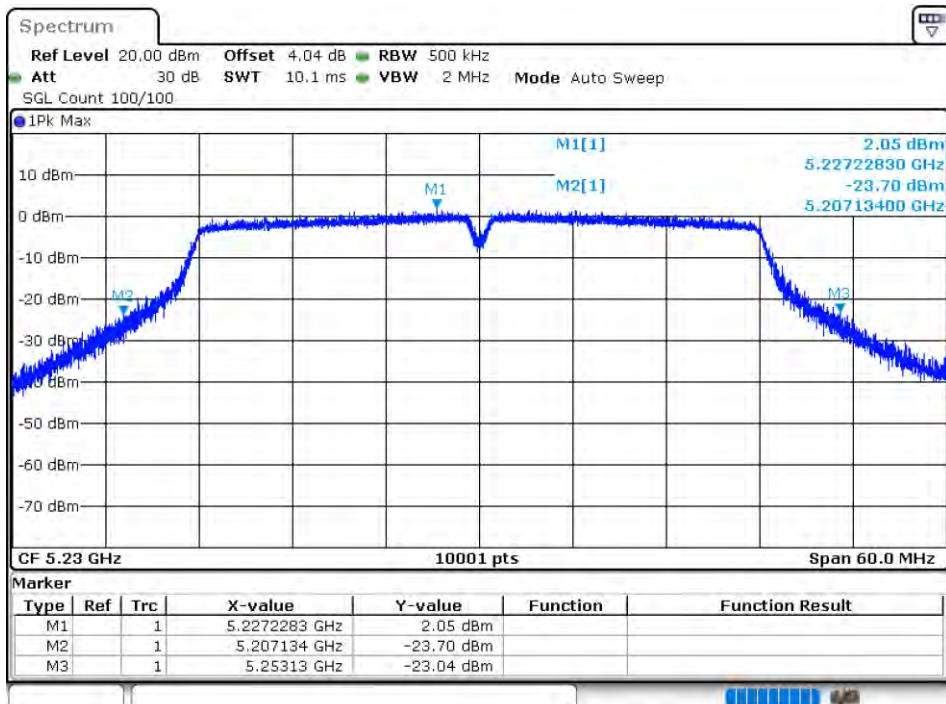
-26dB Bandwidth NVNT n20 5240MHz Ant1



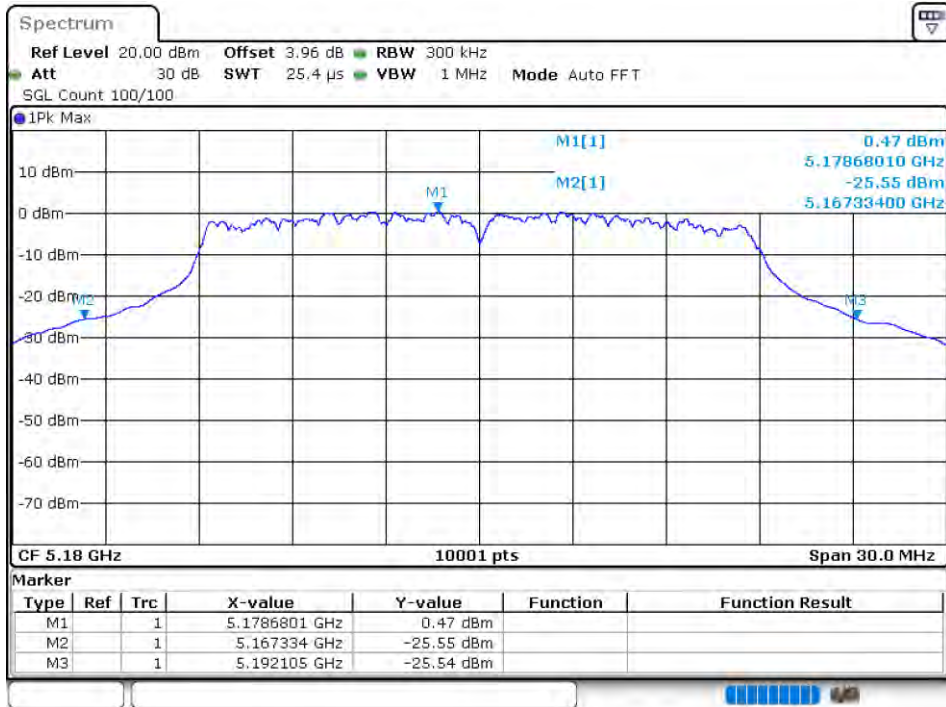
-26dB Bandwidth NVNT n40 5190MHz Ant1



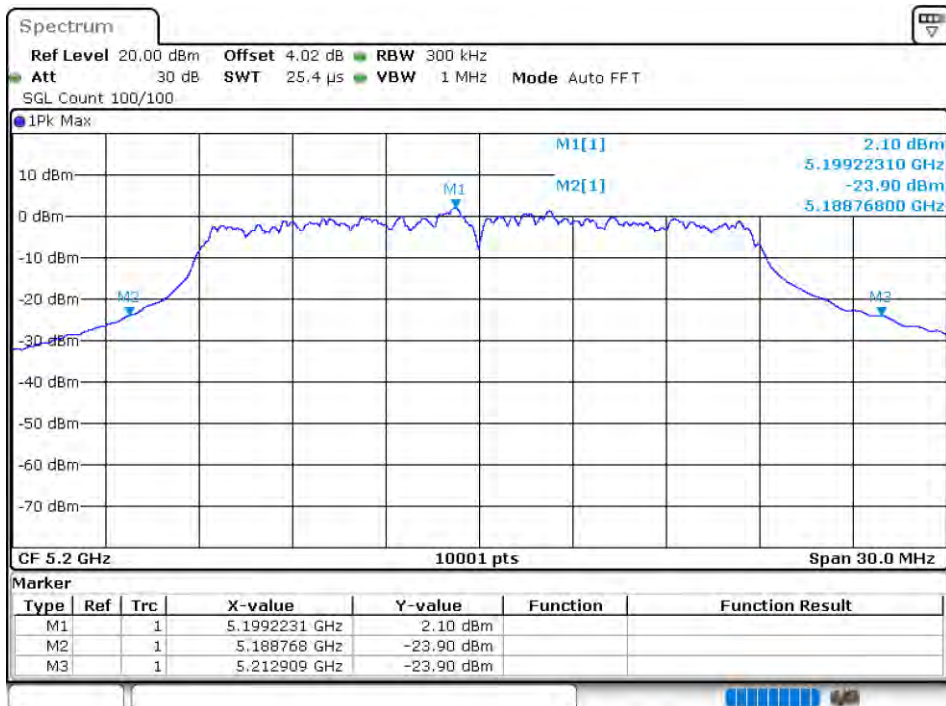
-26dB Bandwidth NVNT n40 5230MHz Ant1



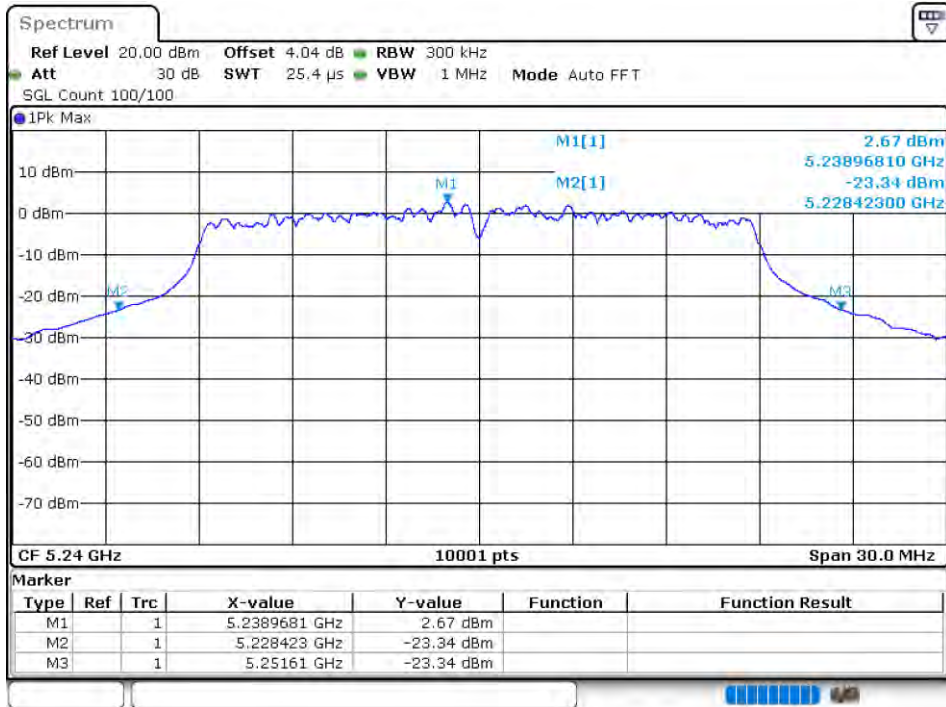
-26dB Bandwidth NVNT ac20 5180MHz Ant1



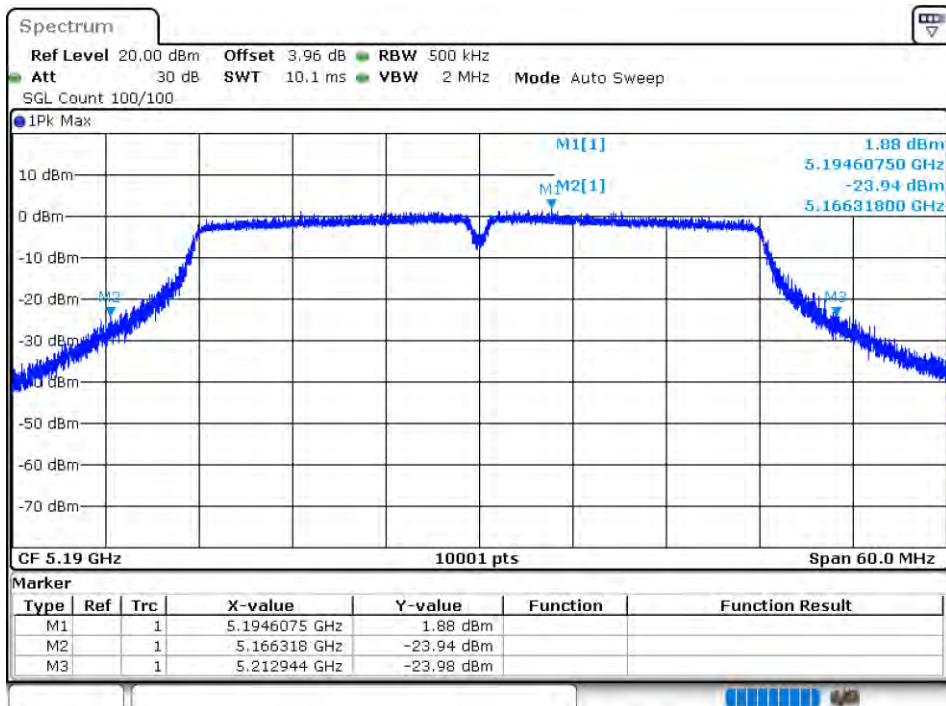
-26dB Bandwidth NVNT ac20 5200MHz Ant1



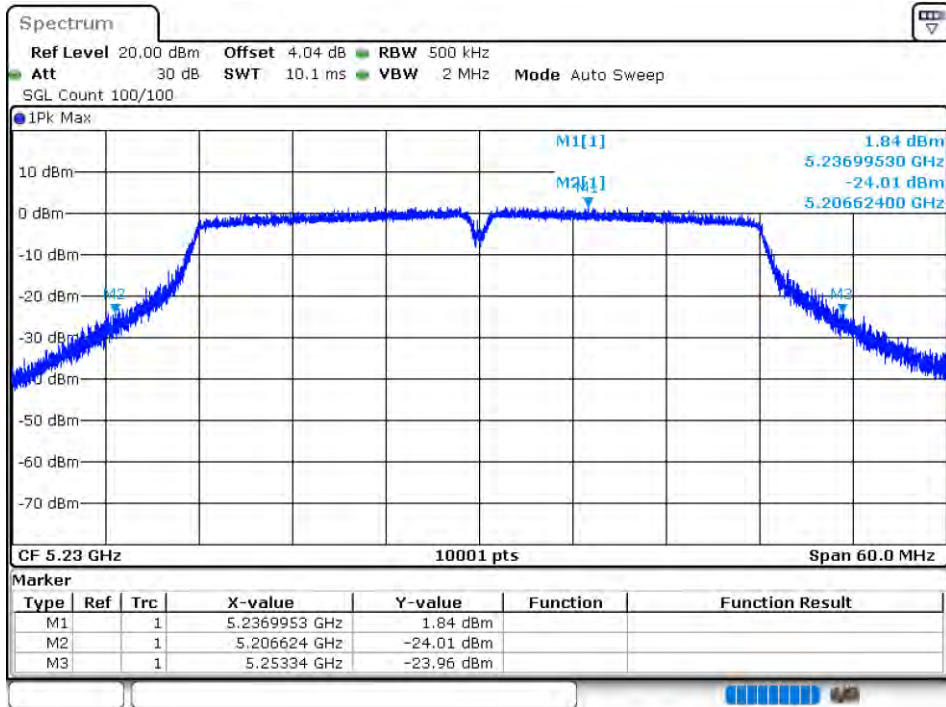
-26dB Bandwidth NVNT ac20 5240MHz Ant1



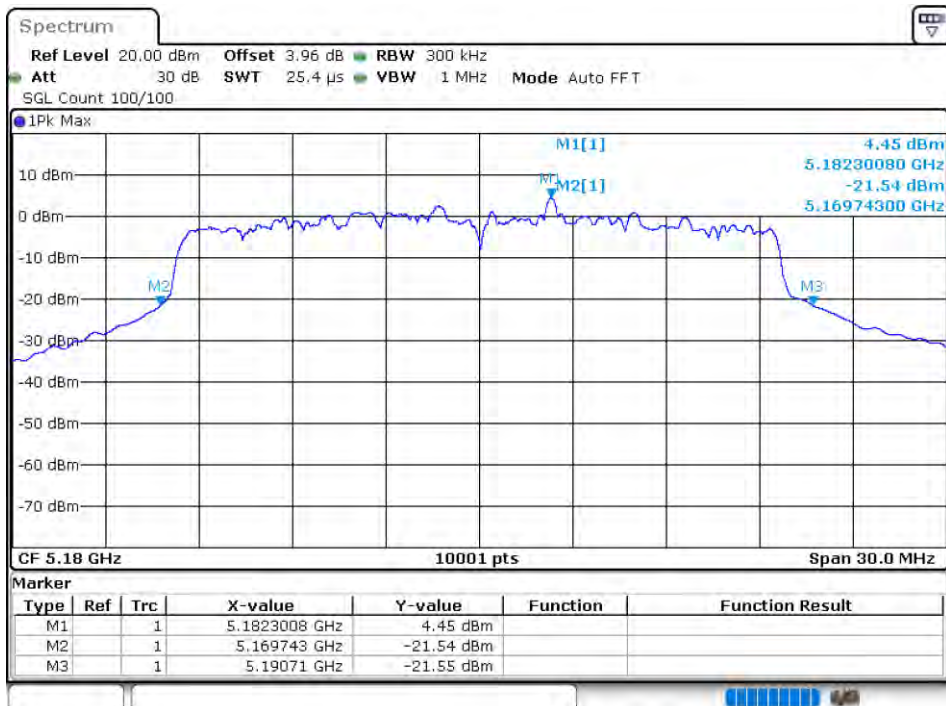
-26dB Bandwidth NVNT ac40 5190MHz Ant1



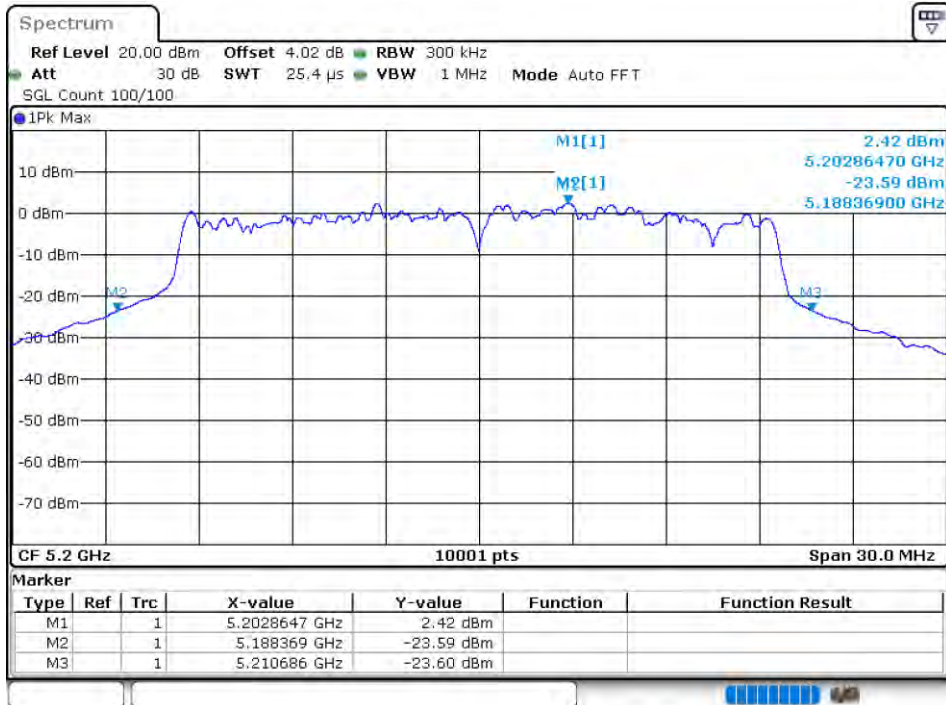
-26dB Bandwidth NVNT ac40 5230MHz Ant1



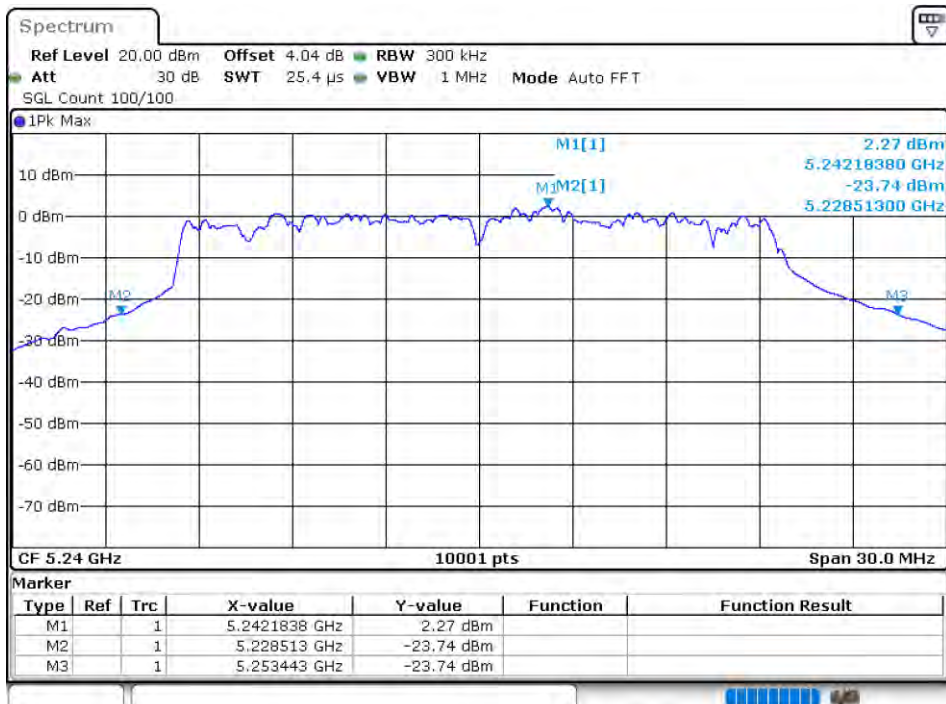
-26dB Bandwidth NVNT ax20 5180MHz Ant1



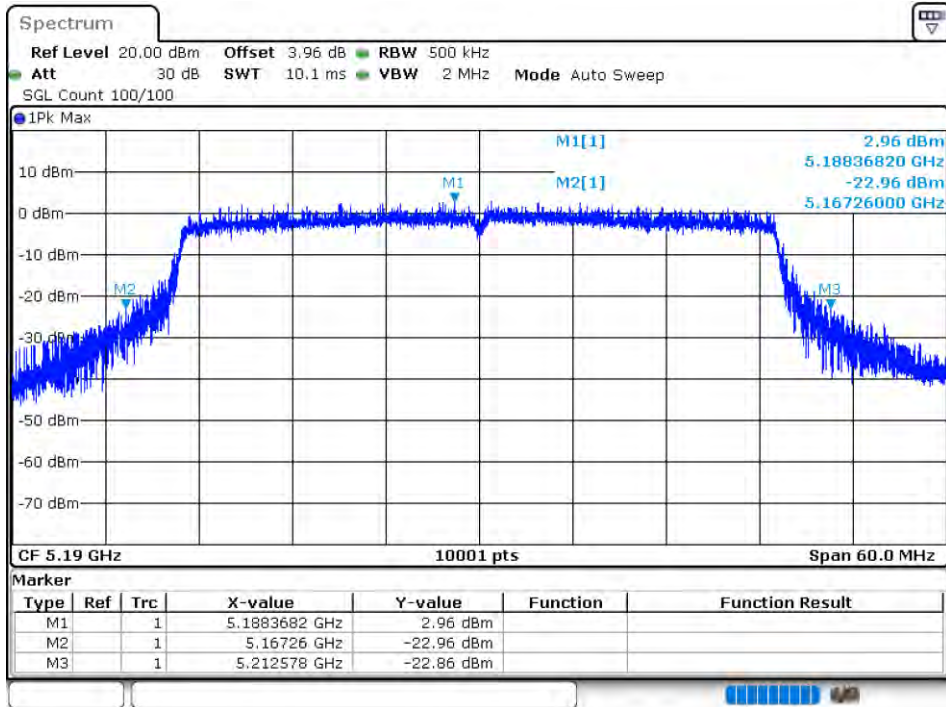
-26dB Bandwidth NVNT ax20 5200MHz Ant1



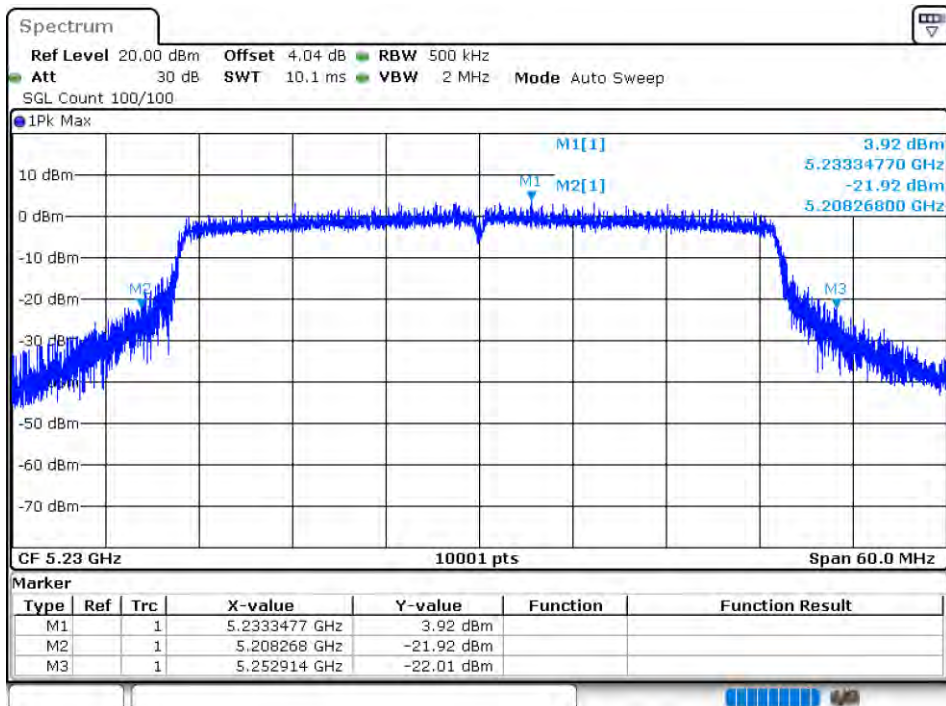
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1

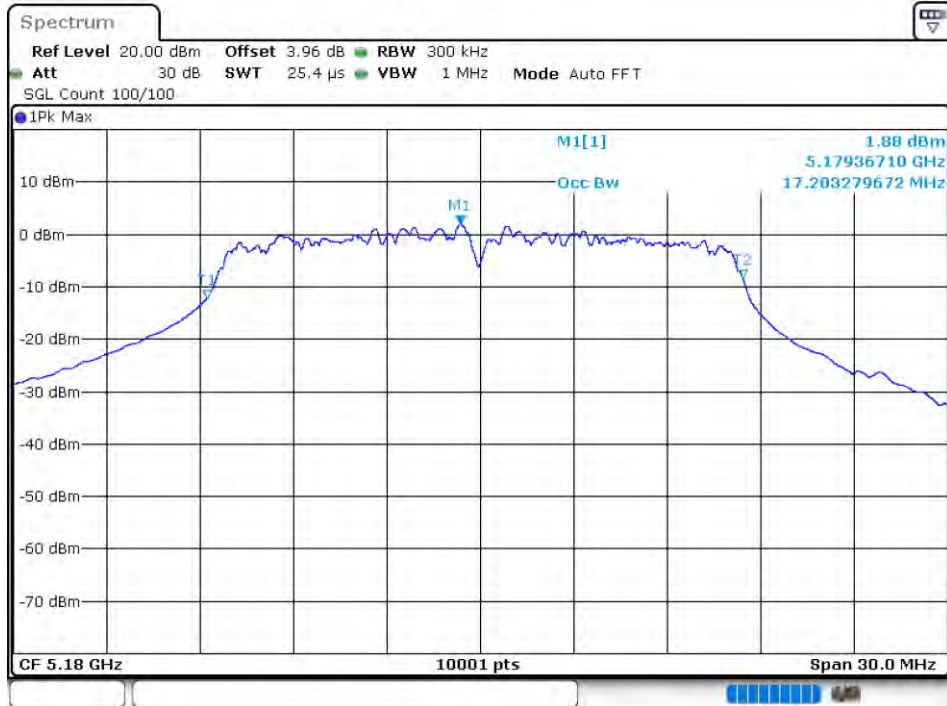


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	17.203
NVNT	a	5200	Ant1	16.834
NVNT	a	5240	Ant1	17.185
NVNT	n20	5180	Ant1	17.728
NVNT	n20	5200	Ant1	17.674
NVNT	n20	5240	Ant1	17.953
NVNT	n40	5190	Ant1	36.524
NVNT	n40	5230	Ant1	36.47
NVNT	ac20	5180	Ant1	17.929
NVNT	ac20	5200	Ant1	18.325
NVNT	ac20	5240	Ant1	17.875
NVNT	ac40	5190	Ant1	36.56
NVNT	ac40	5230	Ant1	36.506
NVNT	ax20	5180	Ant1	19.069
NVNT	ax20	5200	Ant1	19.033
NVNT	ax20	5240	Ant1	18.961
NVNT	ax40	5190	Ant1	37.778
NVNT	ax40	5230	Ant1	37.814

Test Graphs

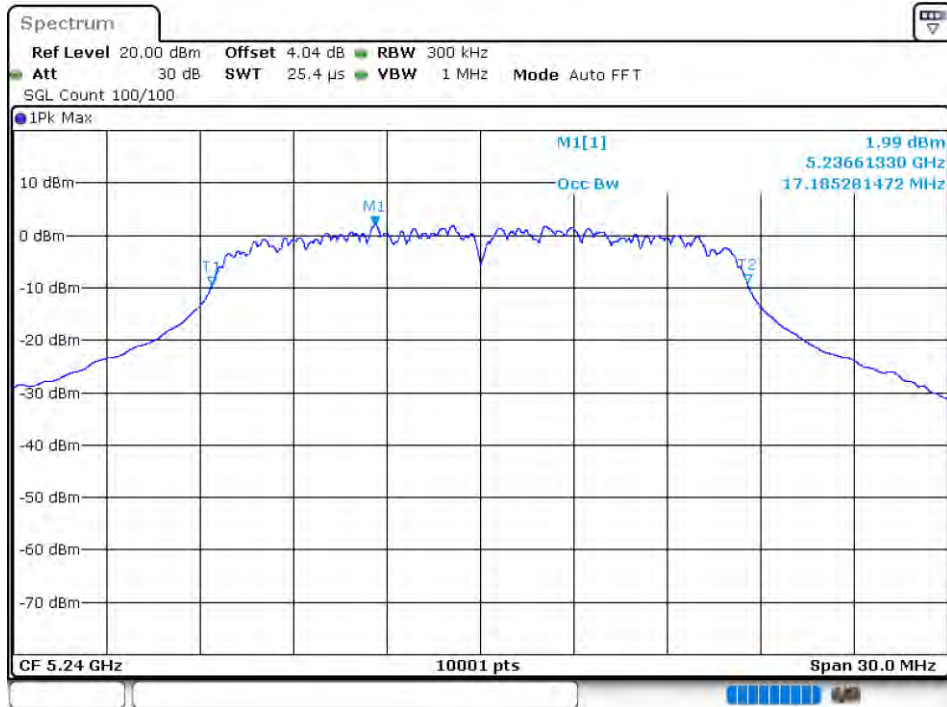
OBW NVNT a 5180MHz Ant1



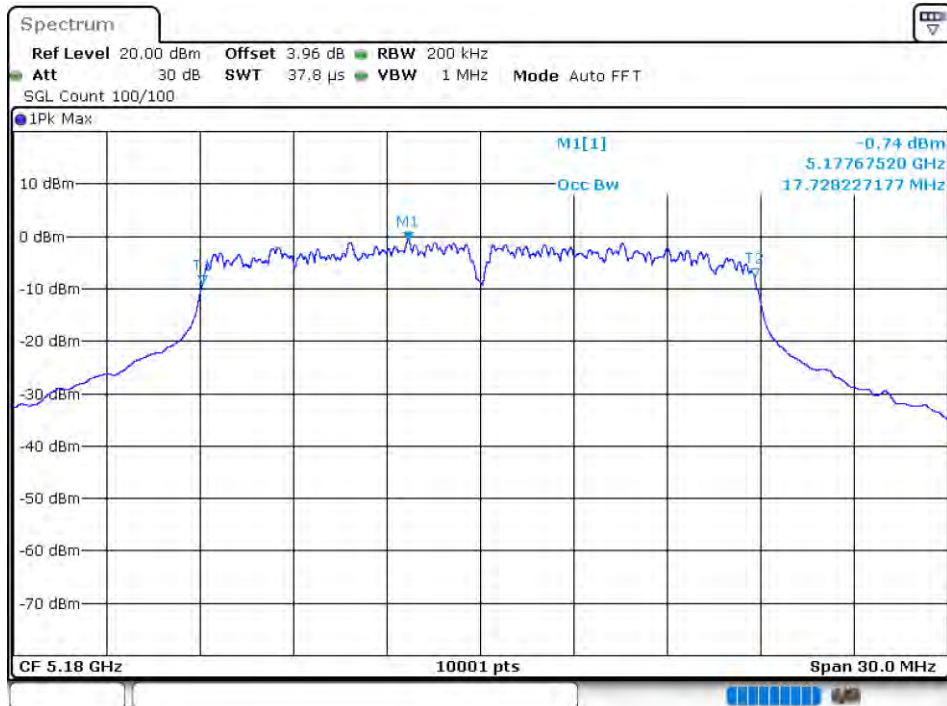
OBW NVNT a 5200MHz Ant1

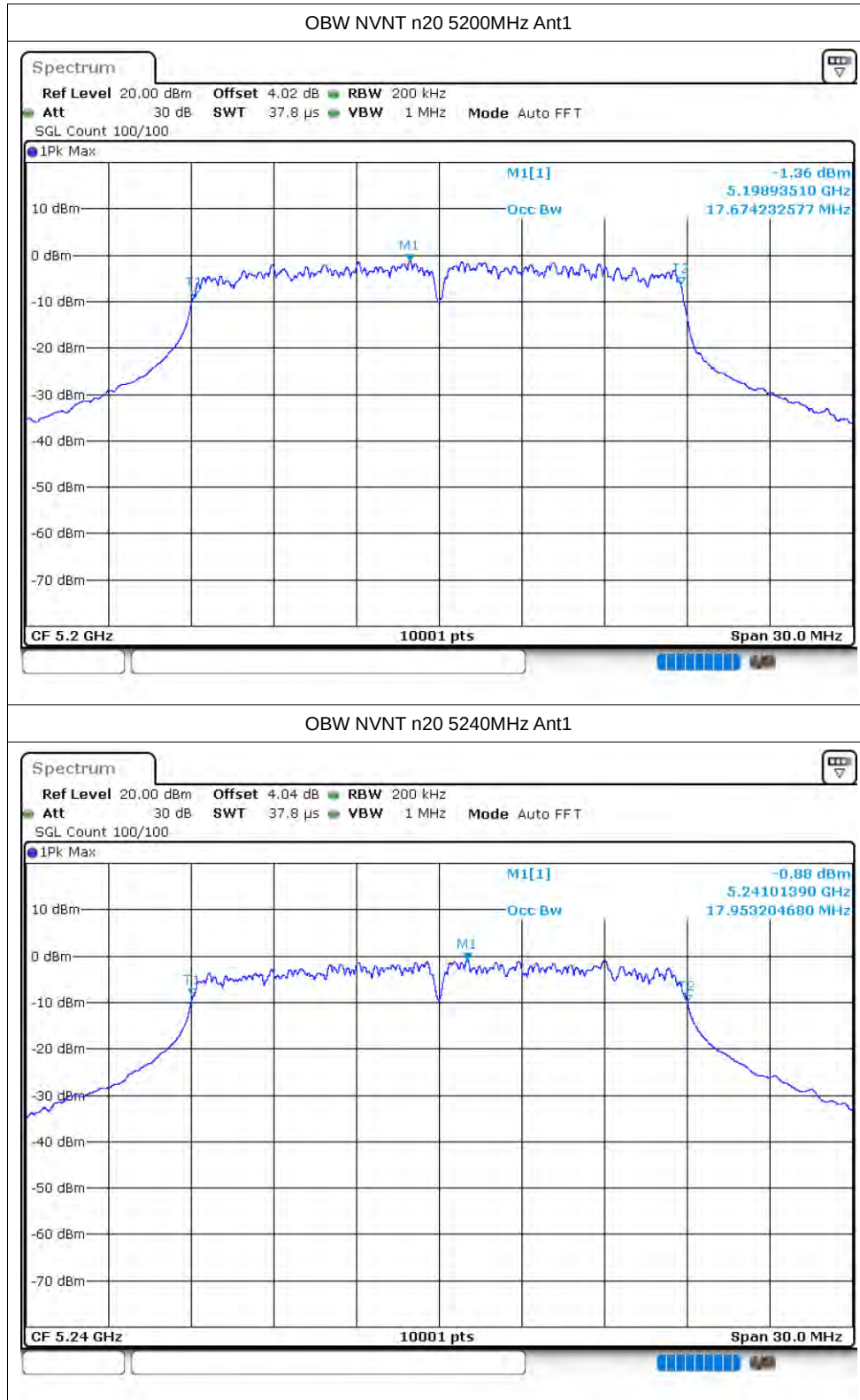


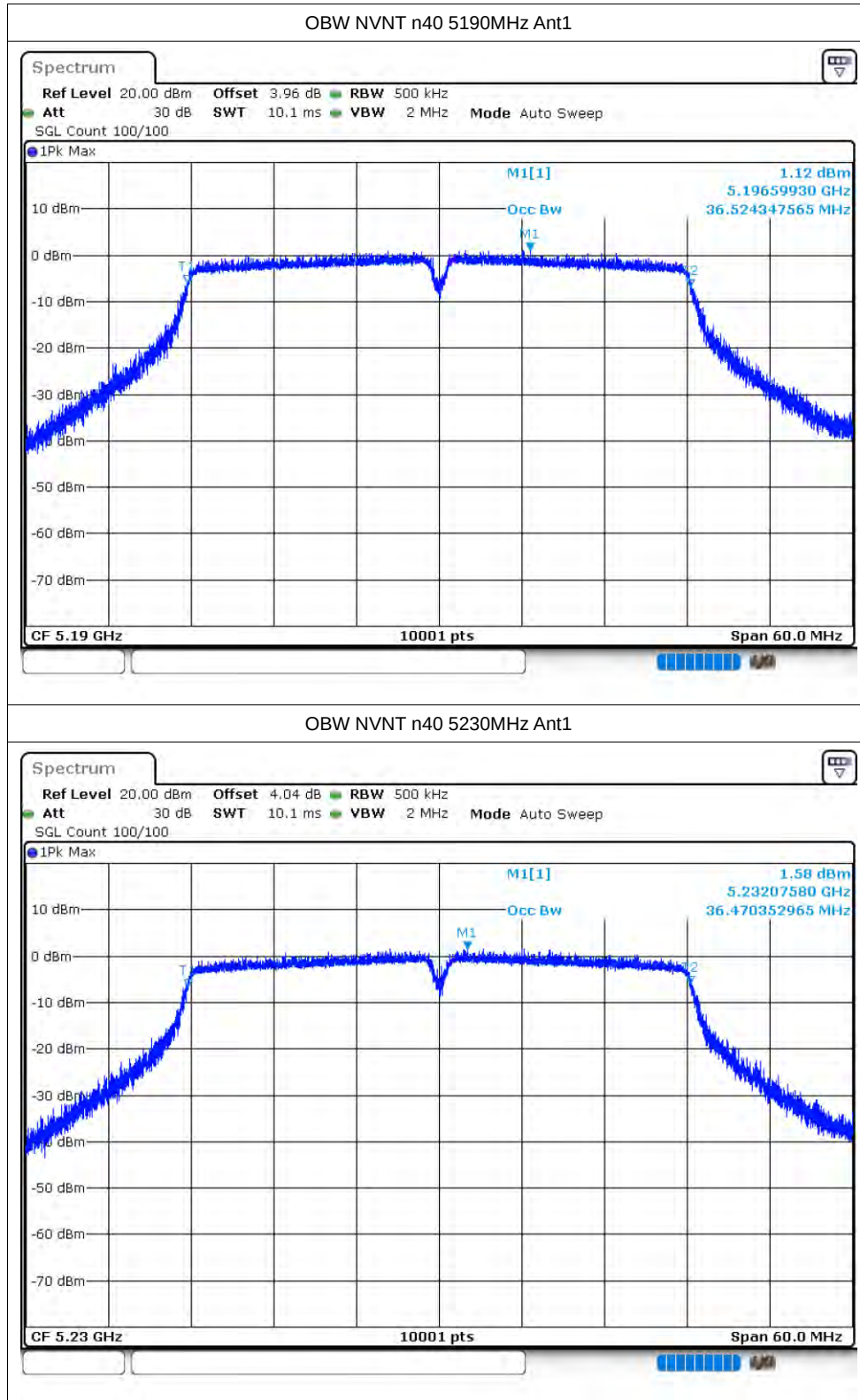
OBW NVNT a 5240MHz Ant1



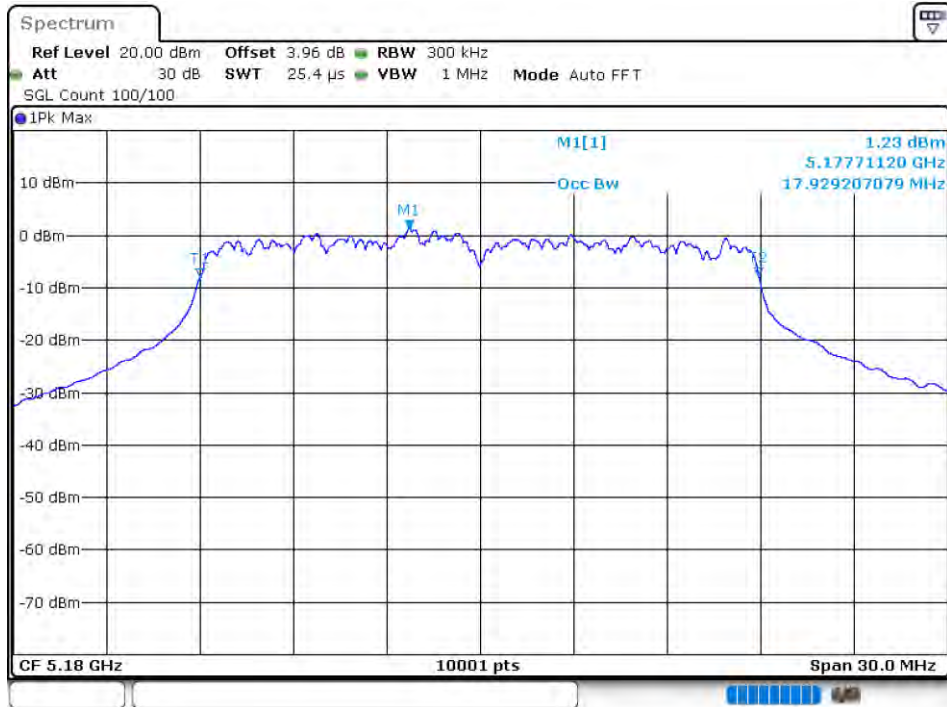
OBW NVNT n20 5180MHz Ant1



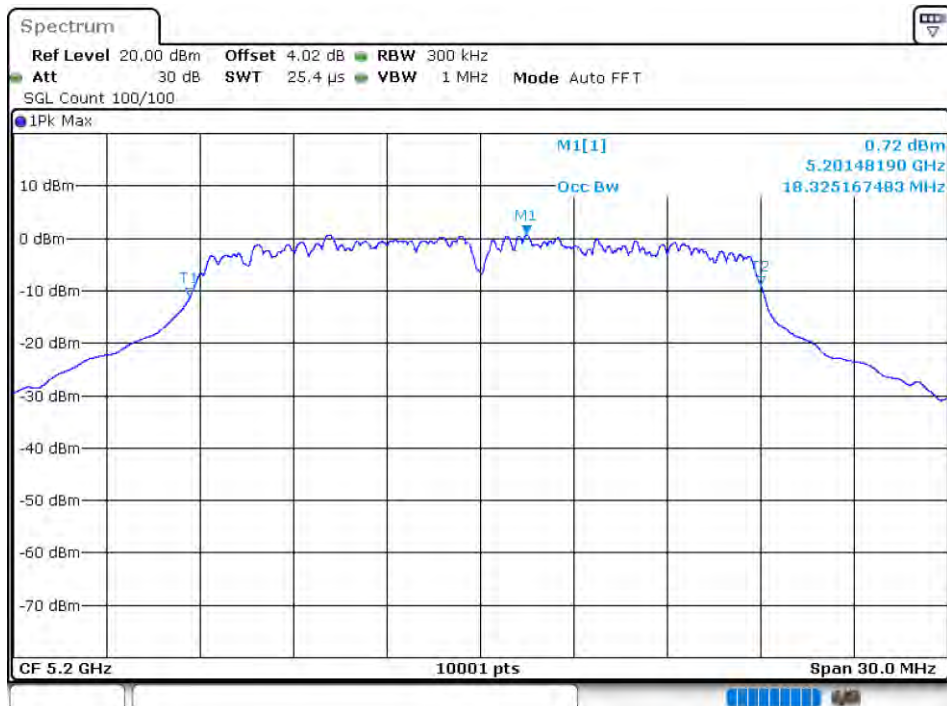




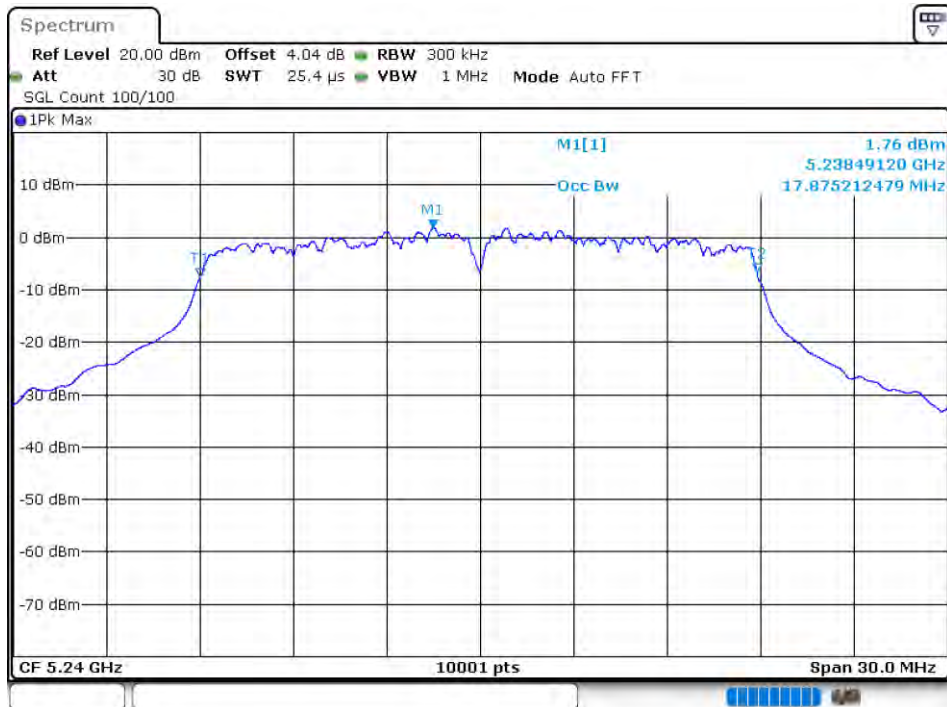
OBW NVNT ac20 5180MHz Ant1



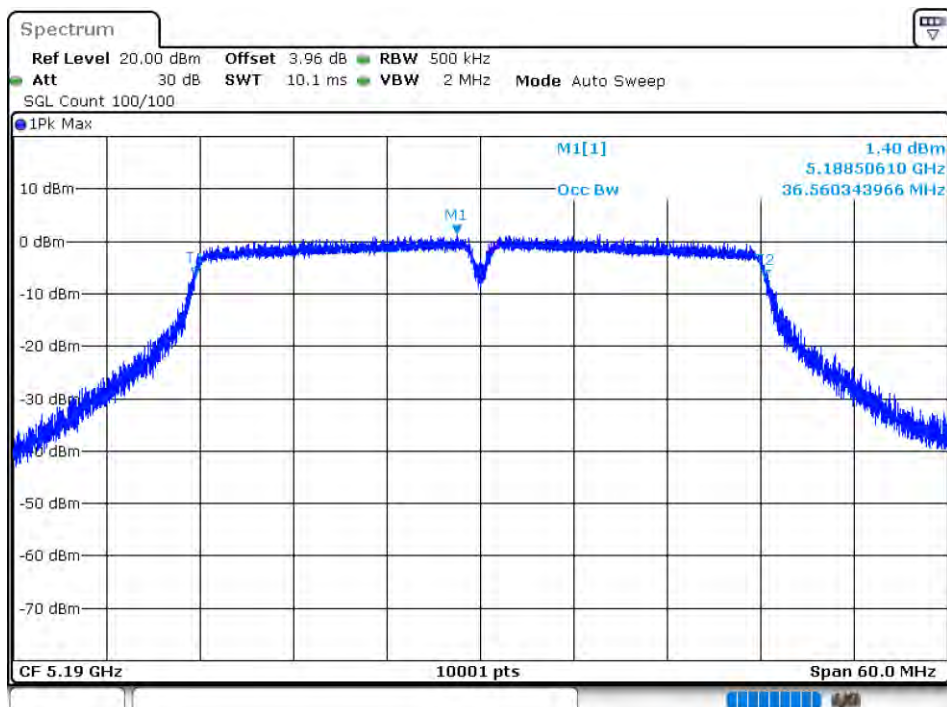
OBW NVNT ac20 5200MHz Ant1



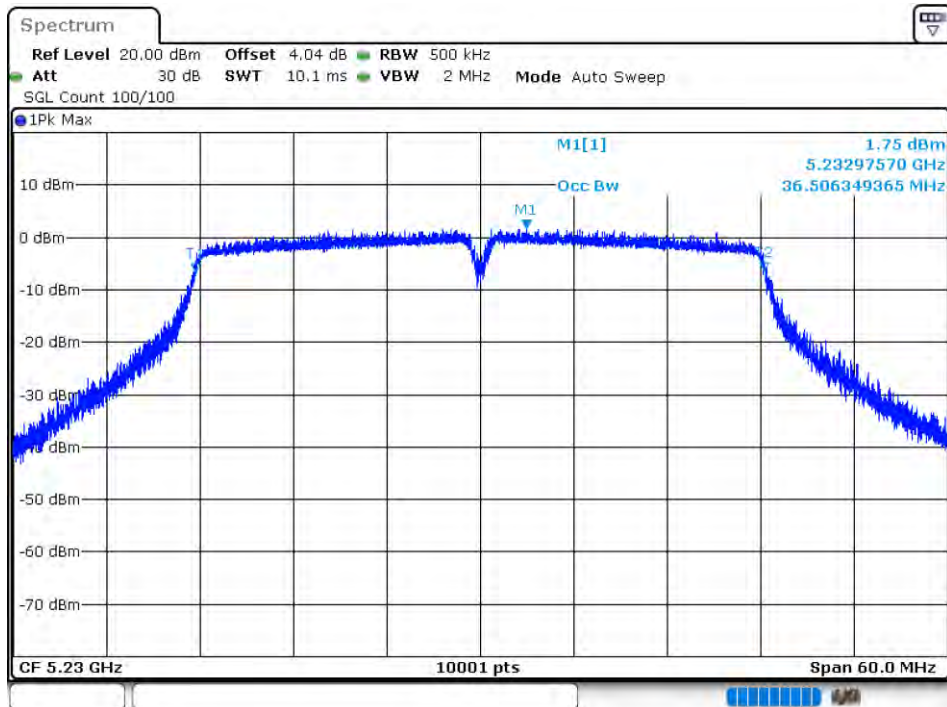
OBW NVNT ac20 5240MHz Ant1



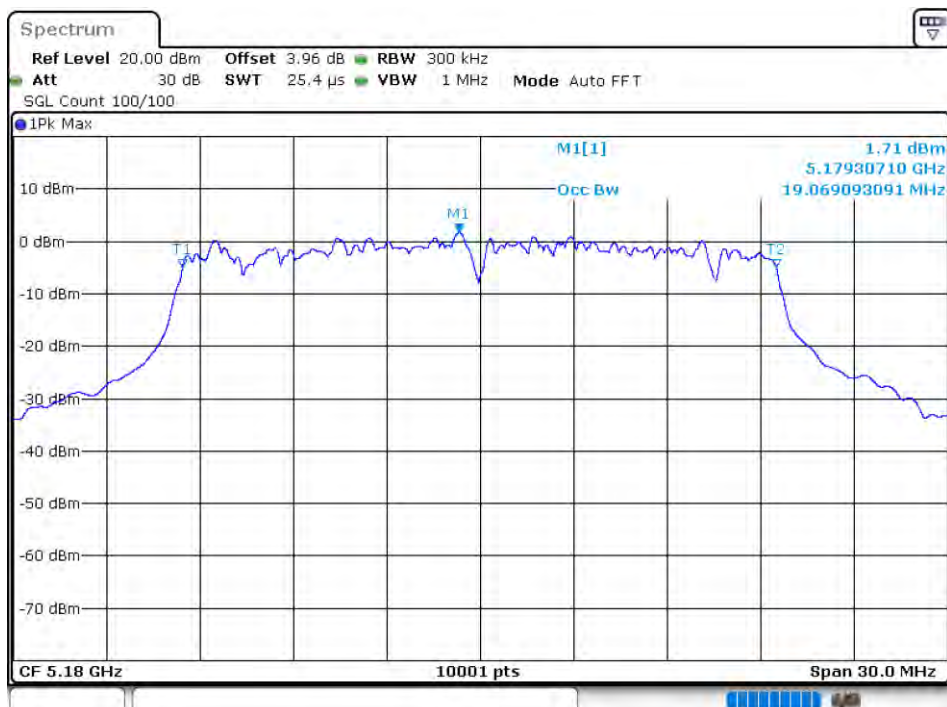
OBW NVNT ac40 5190MHz Ant1



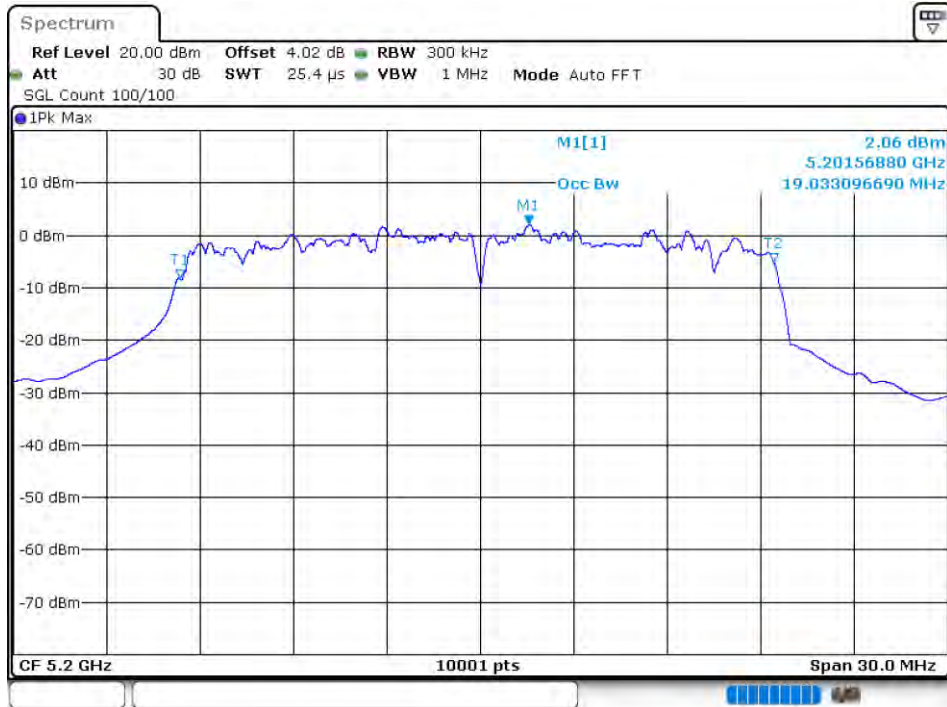
OBW NVNT ac40 5230MHz Ant1



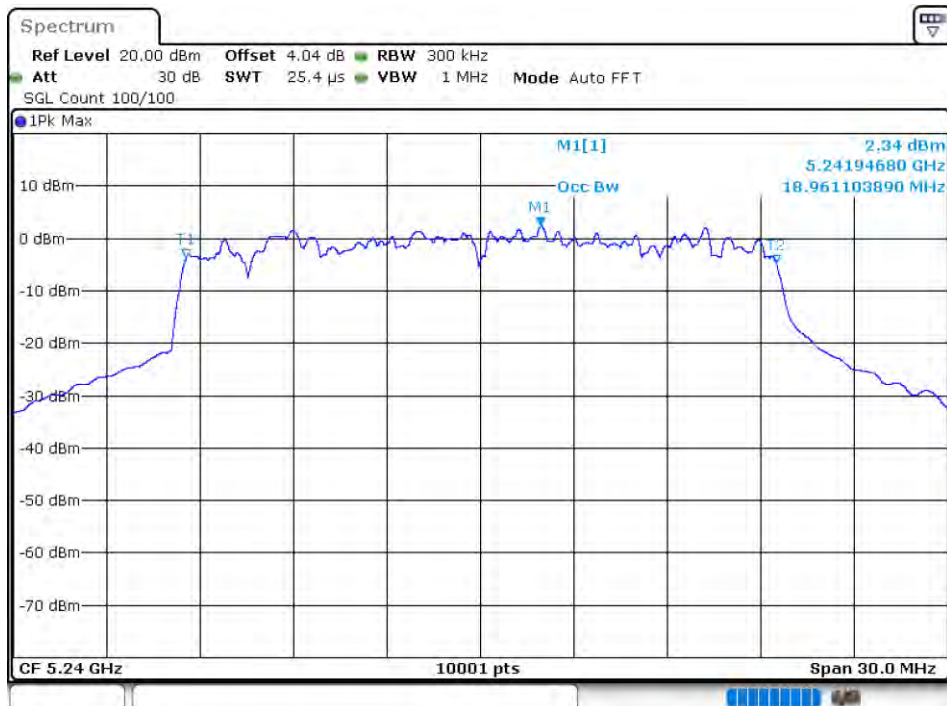
OBW NVNT ax20 5180MHz Ant1

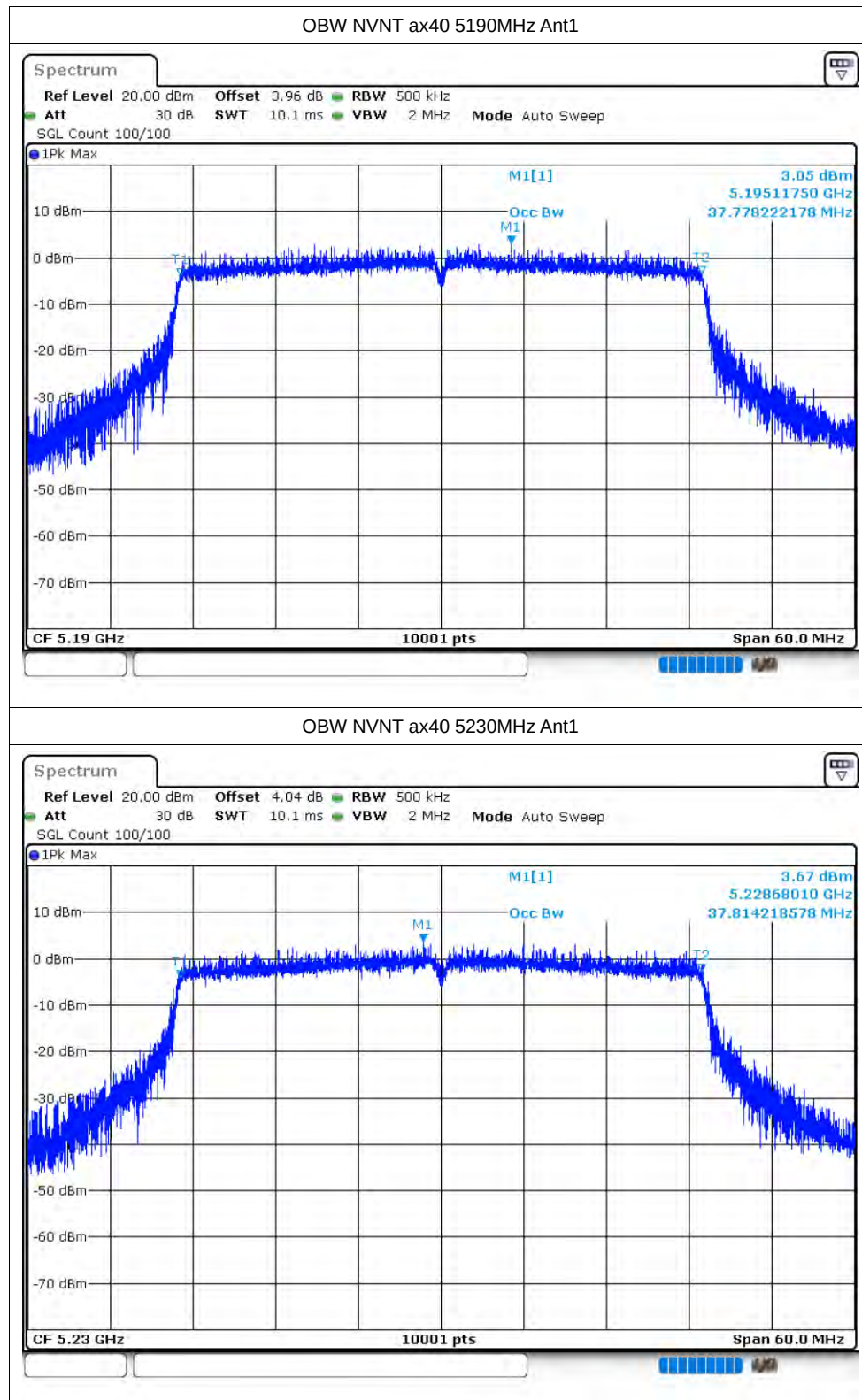


OBW NVNT ax20 5200MHz Ant1



OBW NVNT ax20 5240MHz Ant1





Maximum Power Spectral Density Level

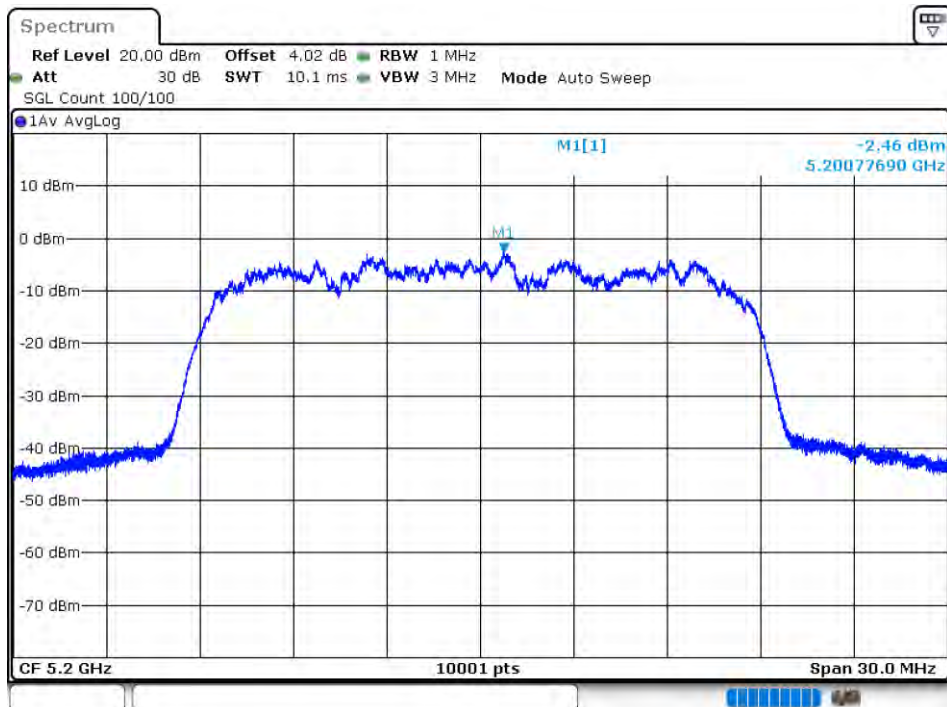
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.96	0.25	-1.71	11	Pass
NVNT	a	5200	Ant1	-2.46	0.34	-2.12	11	Pass
NVNT	a	5240	Ant1	-2.11	0.24	-1.87	11	Pass
NVNT	n20	5180	Ant1	-3.93	0.35	-3.58	11	Pass
NVNT	n20	5200	Ant1	-4.02	0.39	-3.63	11	Pass
NVNT	n20	5240	Ant1	-2.04	0.27	-1.77	11	Pass
NVNT	n40	5190	Ant1	-8.33	0.5	-7.83	11	Pass
NVNT	n40	5230	Ant1	-8.77	0.64	-8.13	11	Pass
NVNT	ac20	5180	Ant1	-2.52	0.26	-2.26	11	Pass
NVNT	ac20	5200	Ant1	-3.11	0.33	-2.78	11	Pass
NVNT	ac20	5240	Ant1	-1.92	0.33	-1.59	11	Pass
NVNT	ac40	5190	Ant1	-7.33	0.5	-6.83	11	Pass
NVNT	ac40	5230	Ant1	-8.4	0.68	-7.72	11	Pass
NVNT	ax20	5180	Ant1	-4.09	0.35	-3.74	11	Pass
NVNT	ax20	5200	Ant1	-2.72	0.46	-2.26	11	Pass
NVNT	ax20	5240	Ant1	-5	0.41	-4.59	11	Pass
NVNT	ax40	5190	Ant1	-9.28	0.63	-8.65	11	Pass
NVNT	ax40	5230	Ant1	-6.84	0.56	-6.28	11	Pass

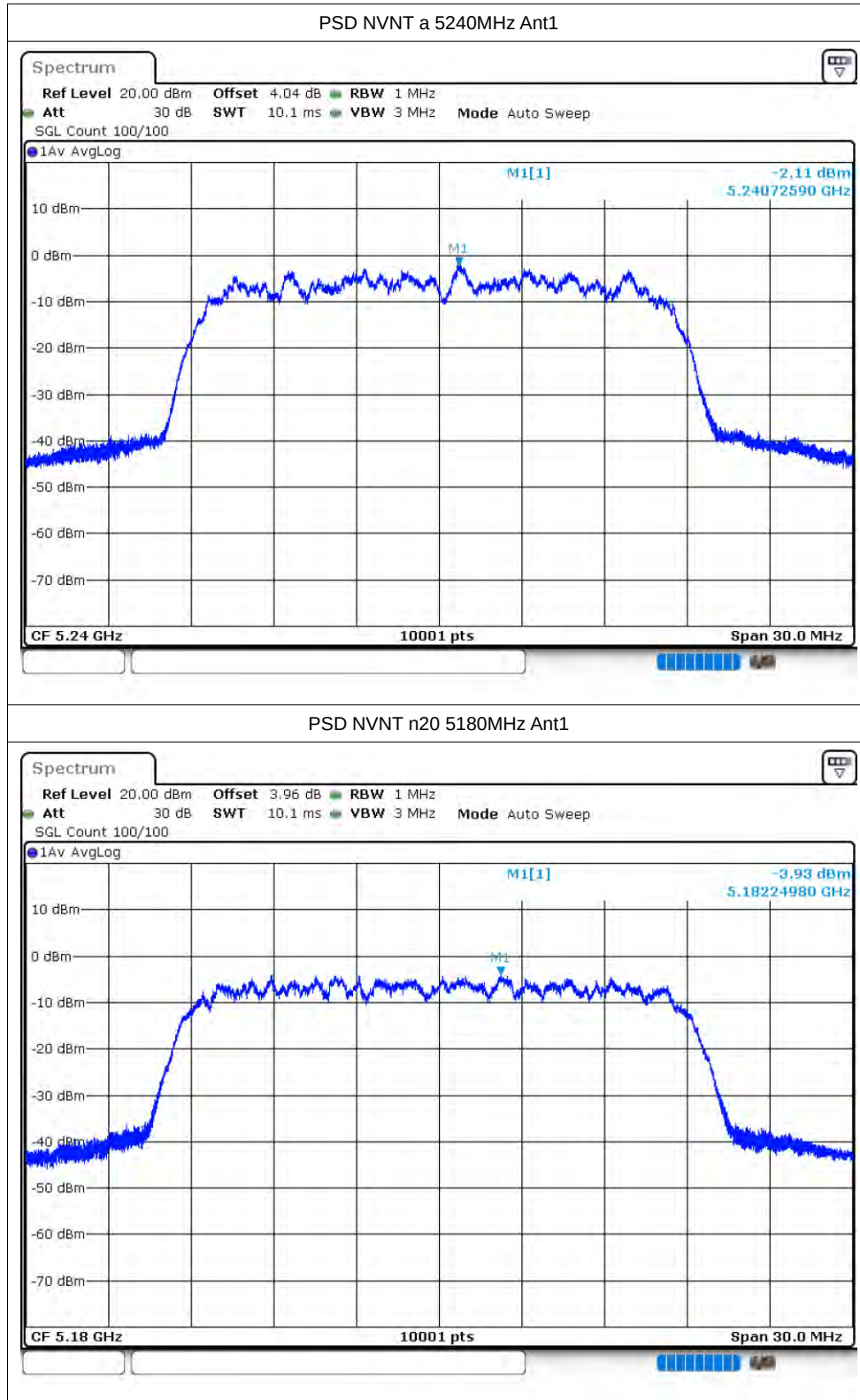
Test Graphs

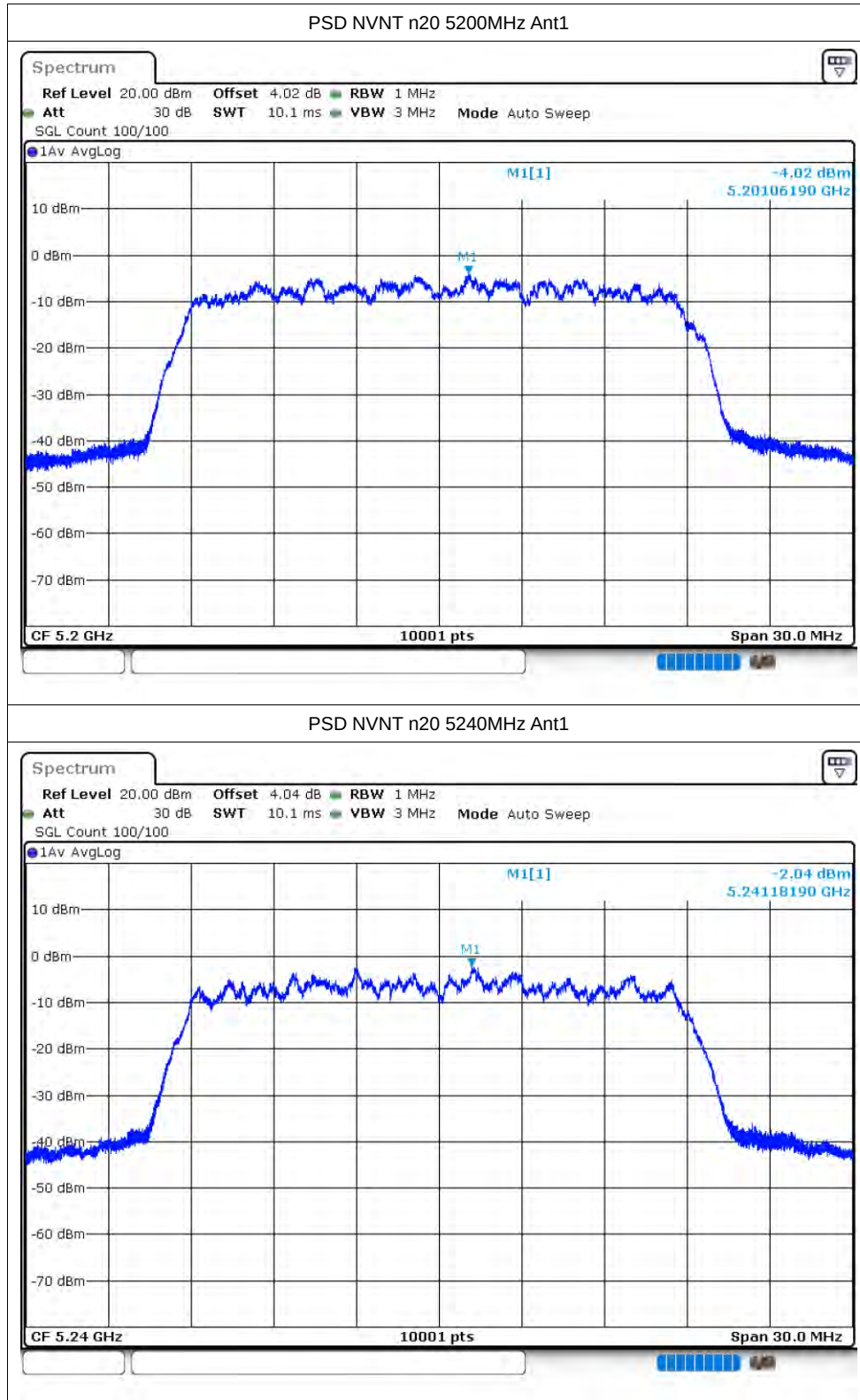
PSD NVNT a 5180MHz Ant1

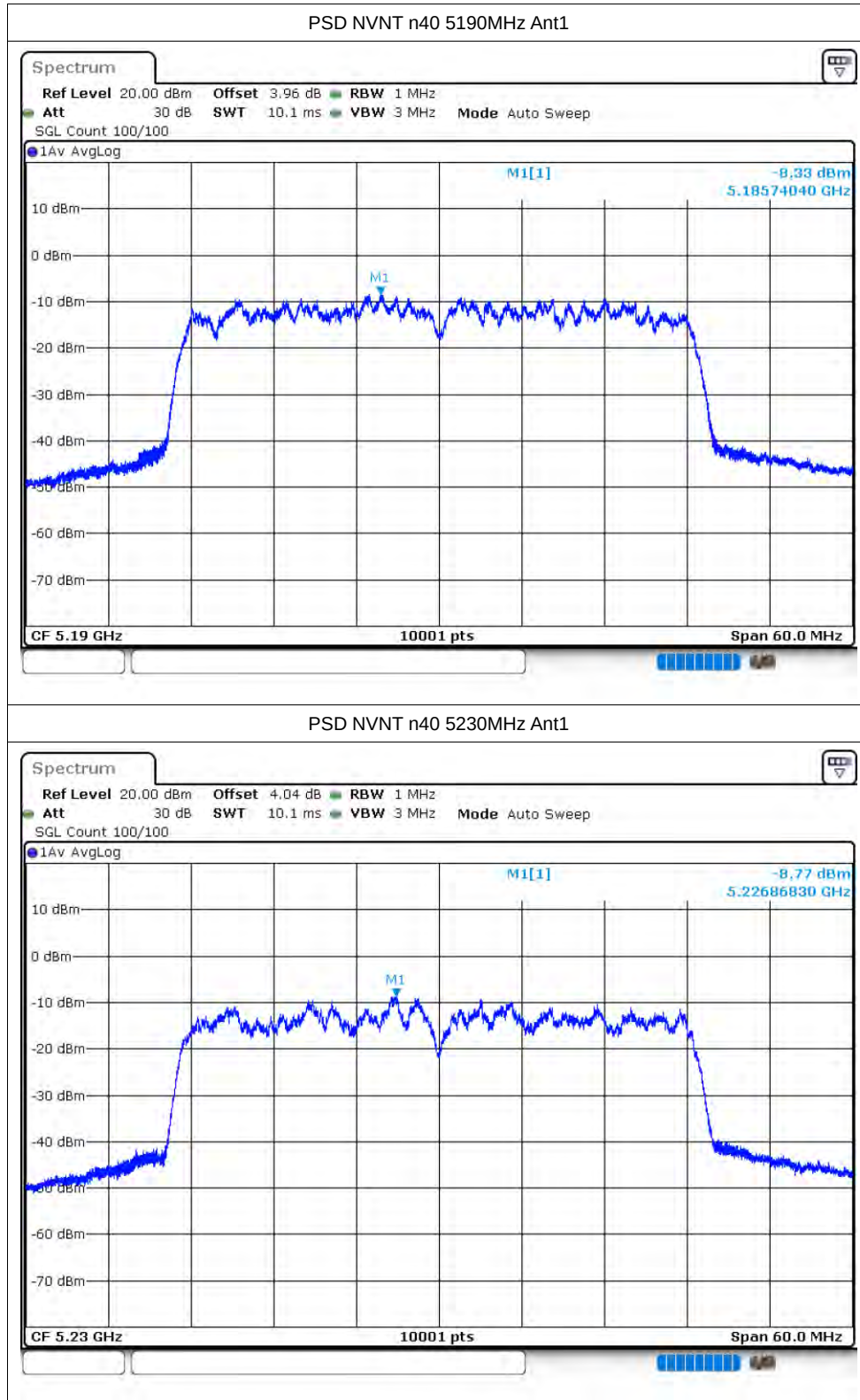


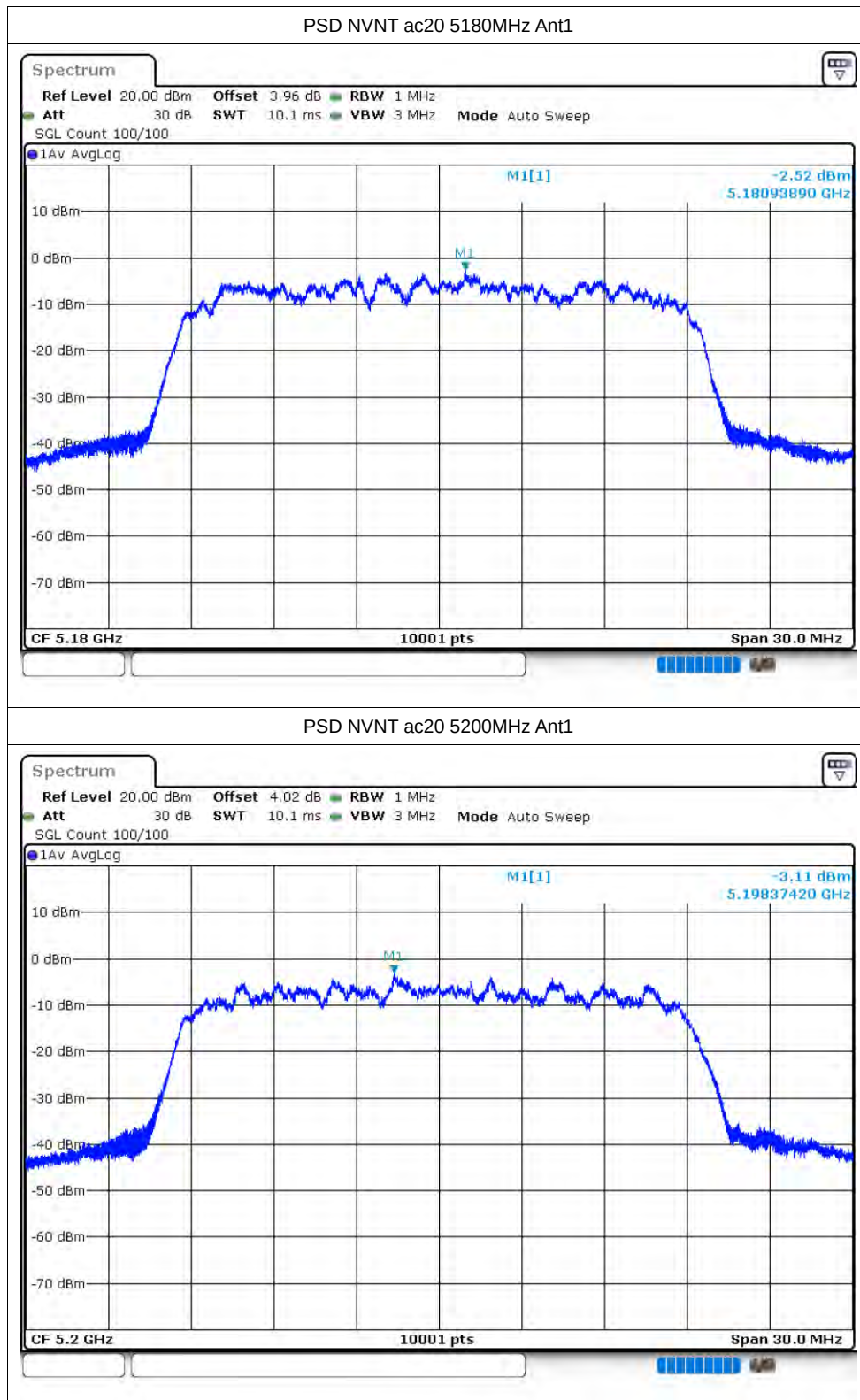
PSD NVNT a 5200MHz Ant1

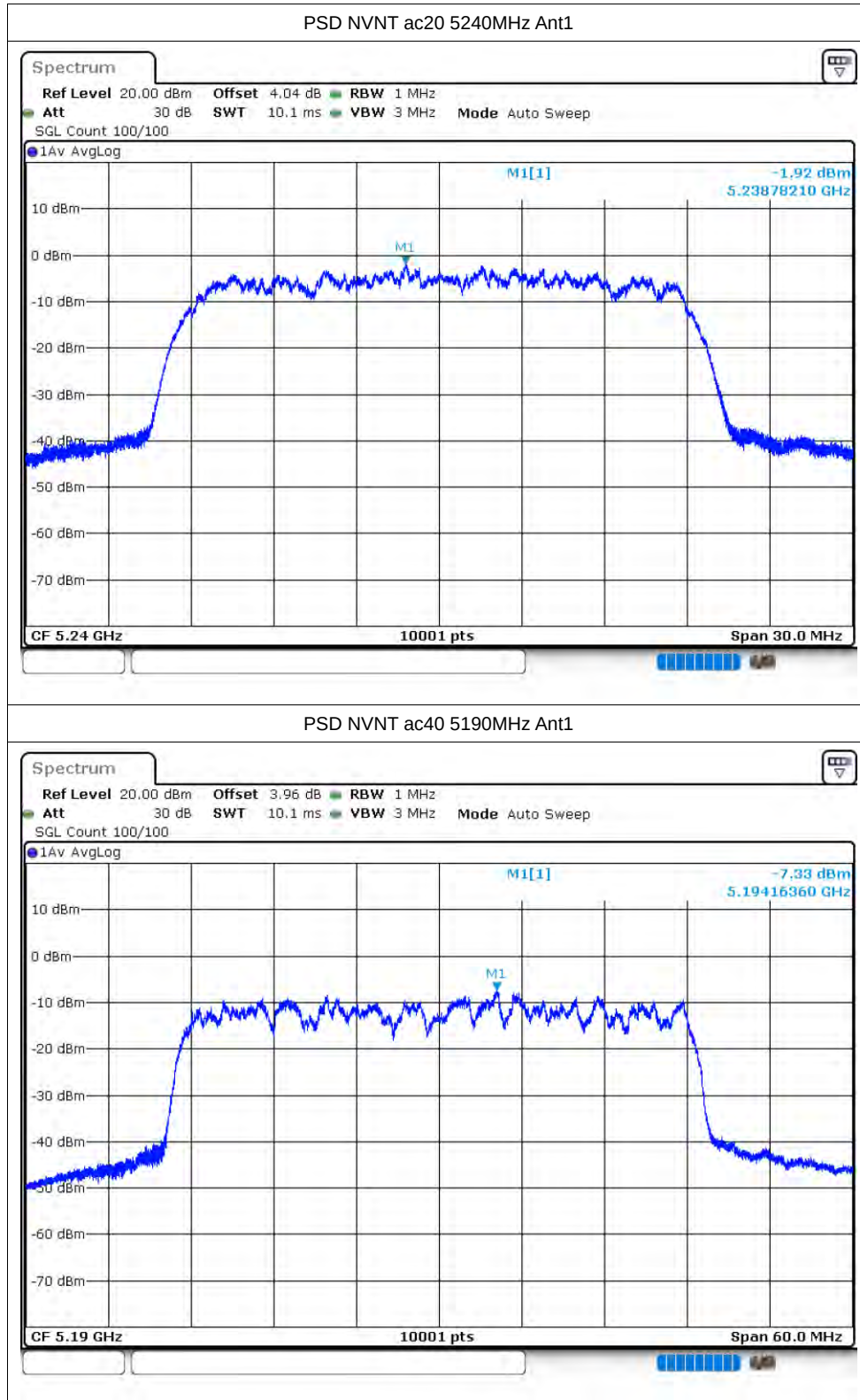


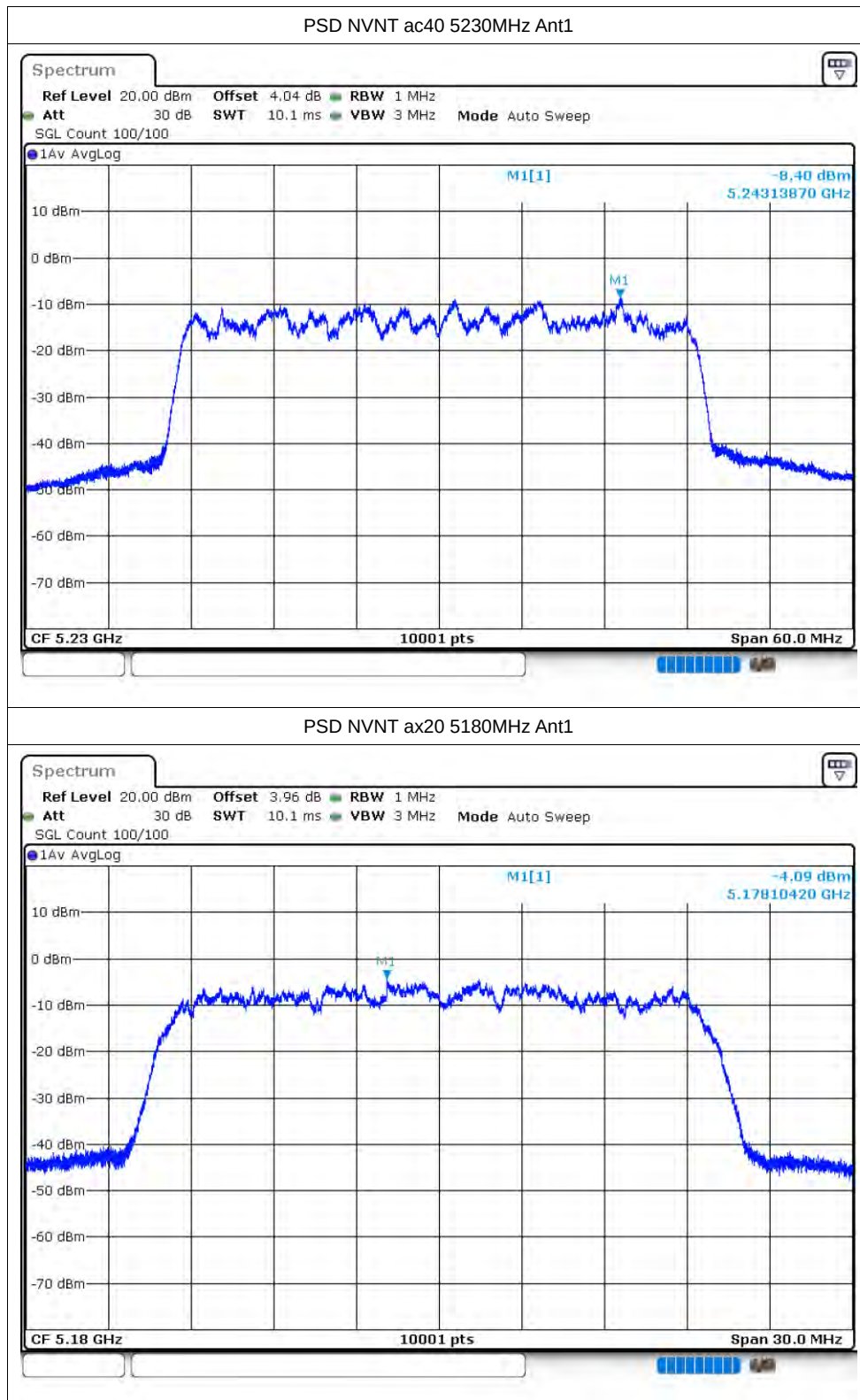


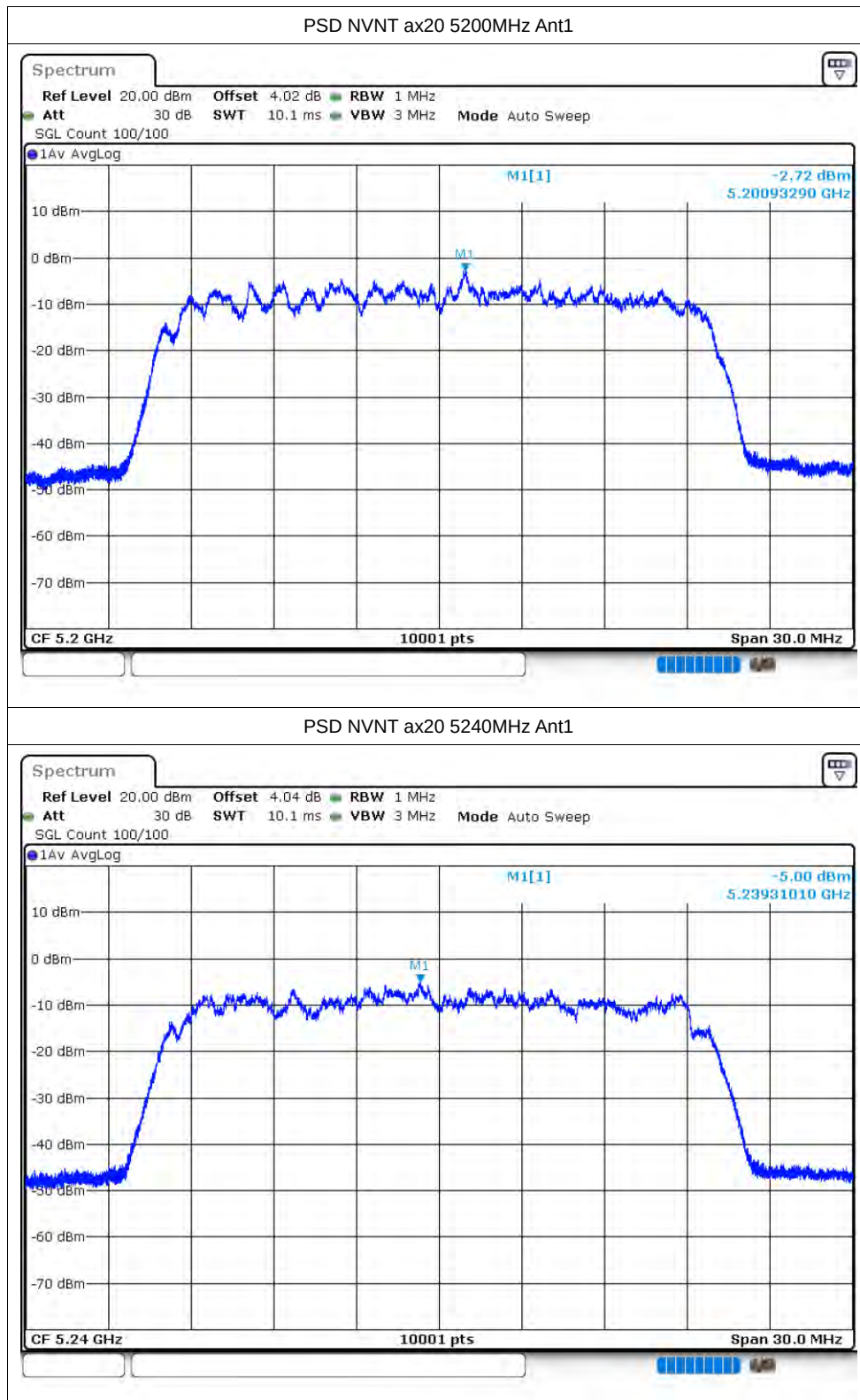


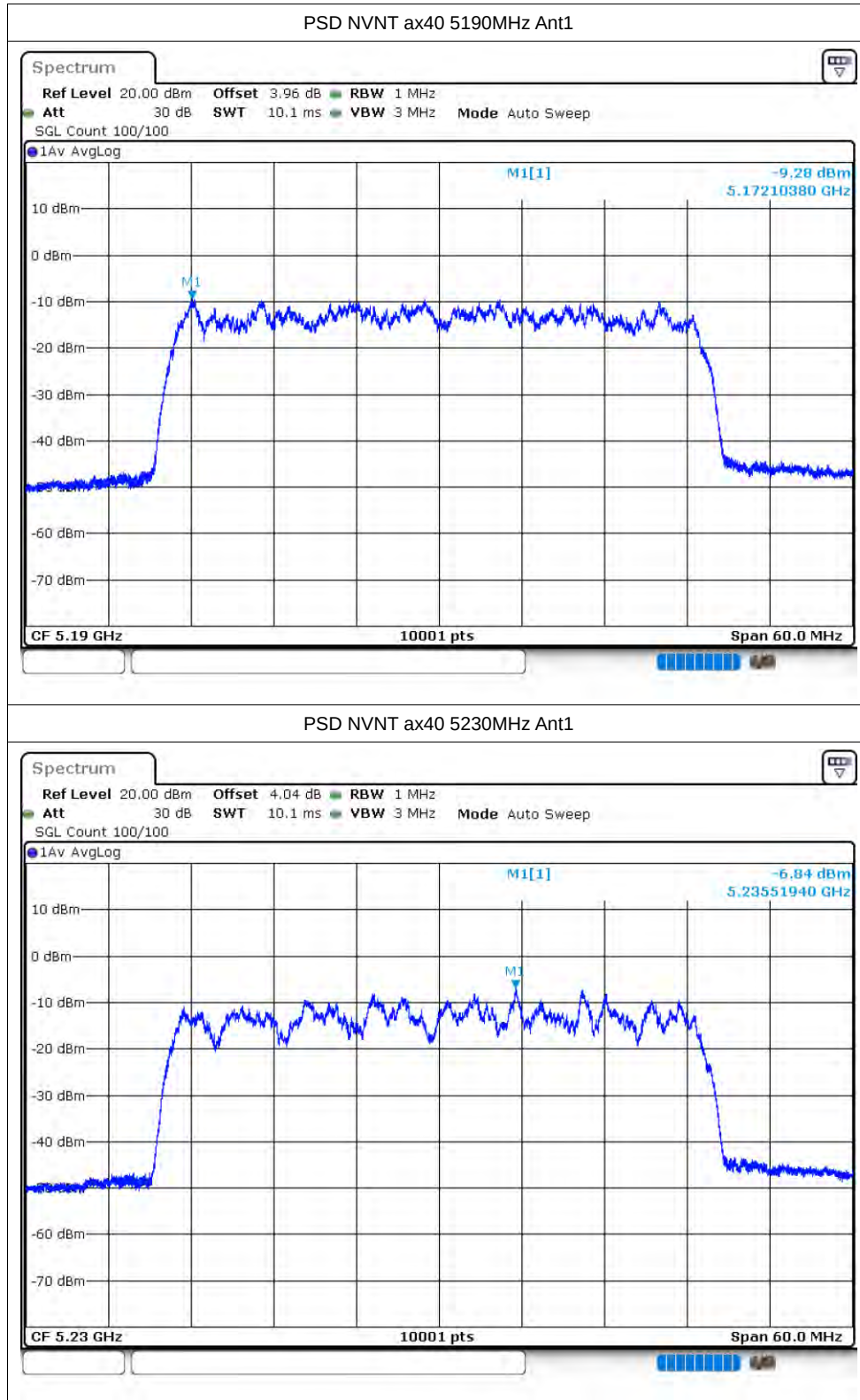










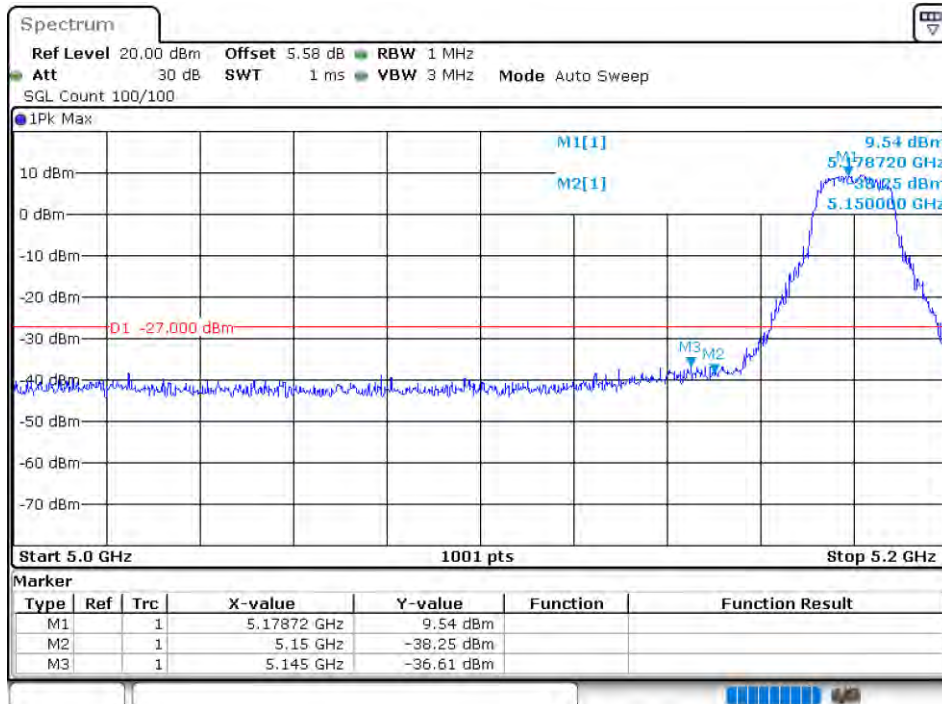


Band Edge

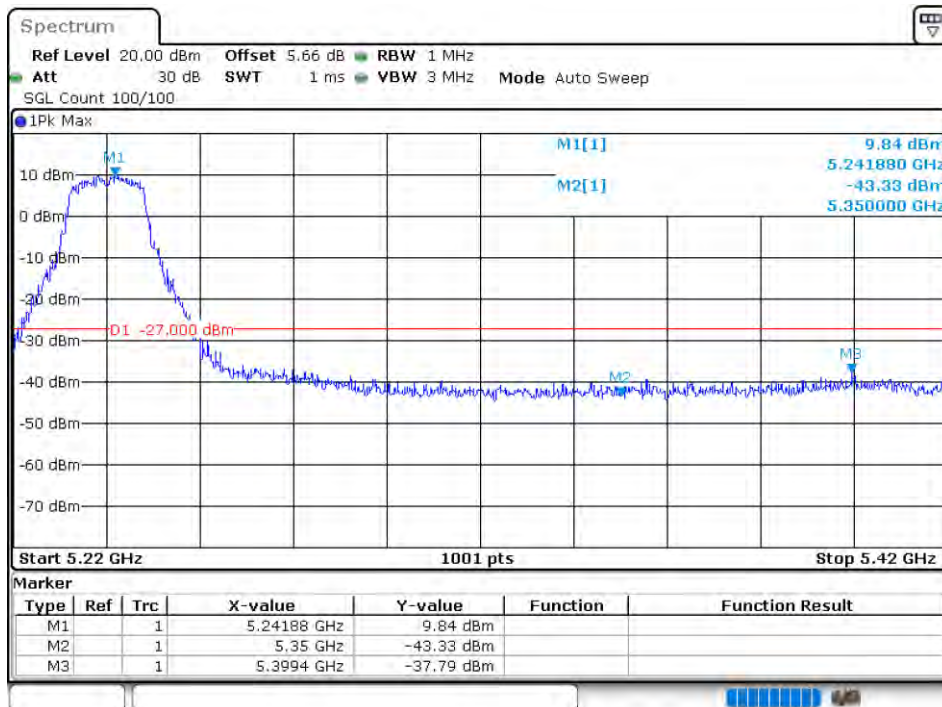
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-36.6	-27	Pass
NVNT	a	5240	Ant1	-37.79	-27	Pass
NVNT	n20	5180	Ant1	-36.55	-27	Pass
NVNT	n20	5240	Ant1	-39.17	-27	Pass
NVNT	n40	5190	Ant1	-35.61	-27	Pass
NVNT	n40	5230	Ant1	-39.34	-27	Pass
NVNT	ac20	5180	Ant1	-36.64	-27	Pass
NVNT	ac20	5240	Ant1	-38.12	-27	Pass
NVNT	ac40	5190	Ant1	-35.03	-27	Pass
NVNT	ac40	5230	Ant1	-38.48	-27	Pass
NVNT	ax20	5180	Ant1	-36.58	-27	Pass
NVNT	ax20	5240	Ant1	-39.03	-27	Pass
NVNT	ax40	5190	Ant1	-36.58	-27	Pass
NVNT	ax40	5230	Ant1	-38.59	-27	Pass

Test Graphs

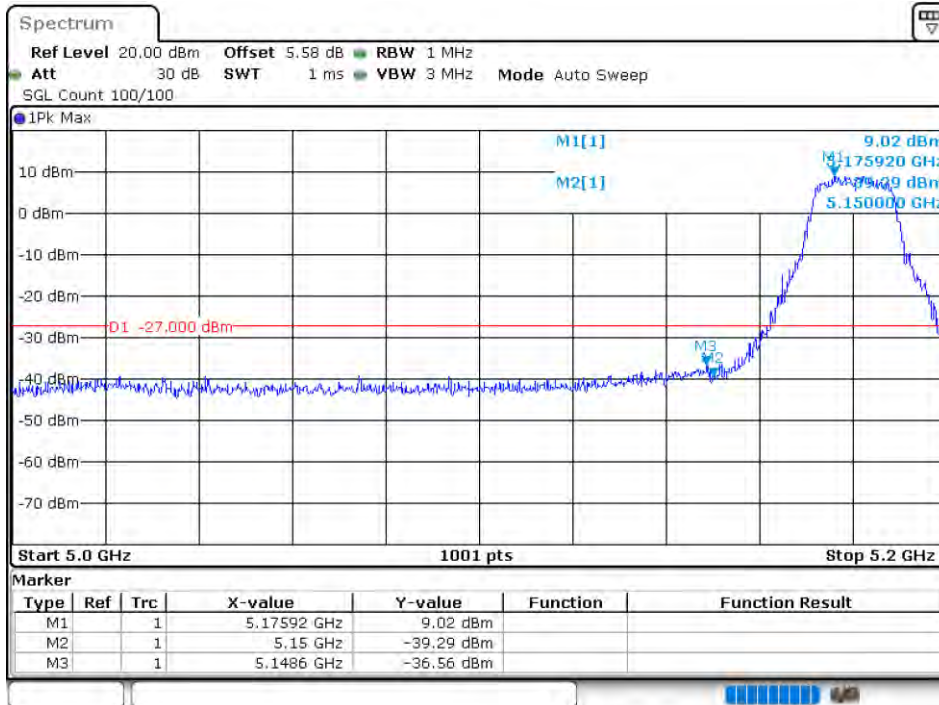
Band Edge NVNT a 5180MHz Low Ant1



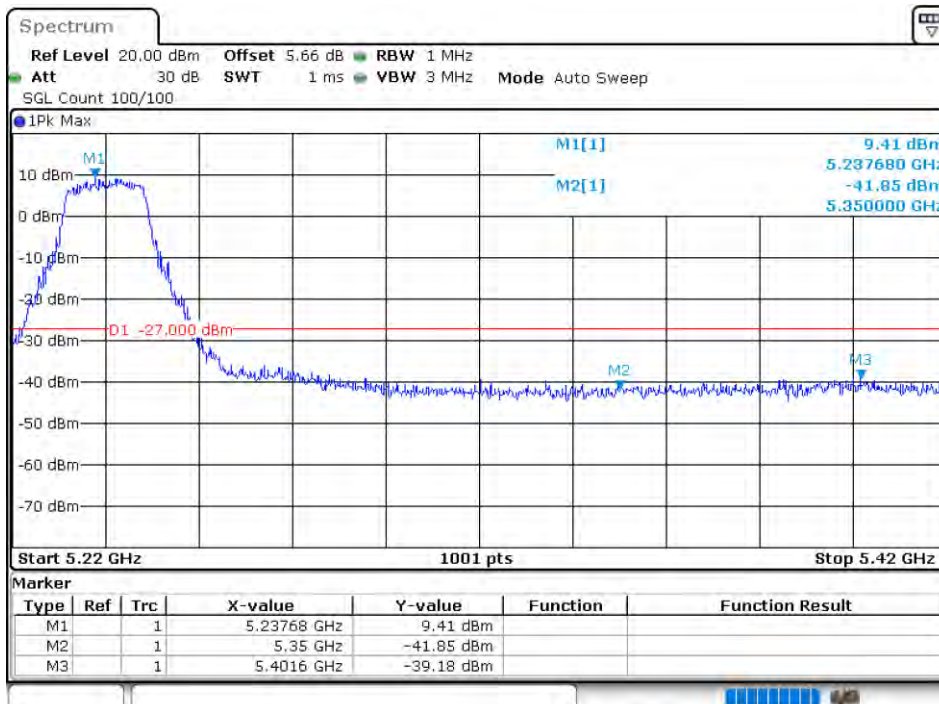
Band Edge NVNT a 5240MHz High Ant1



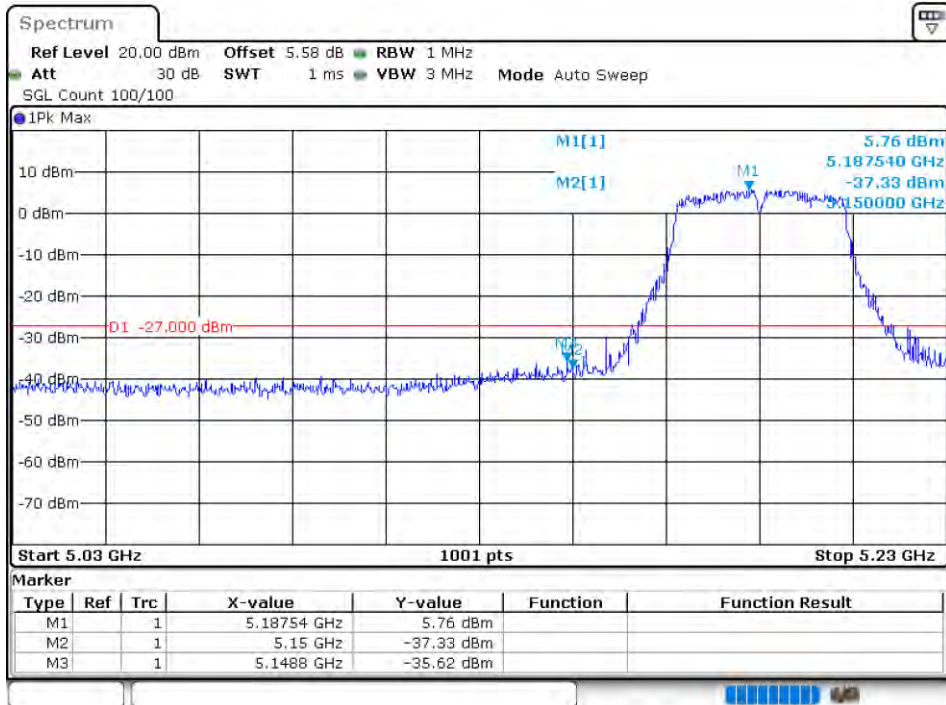
Band Edge NVNT n20 5180MHz Low Ant1



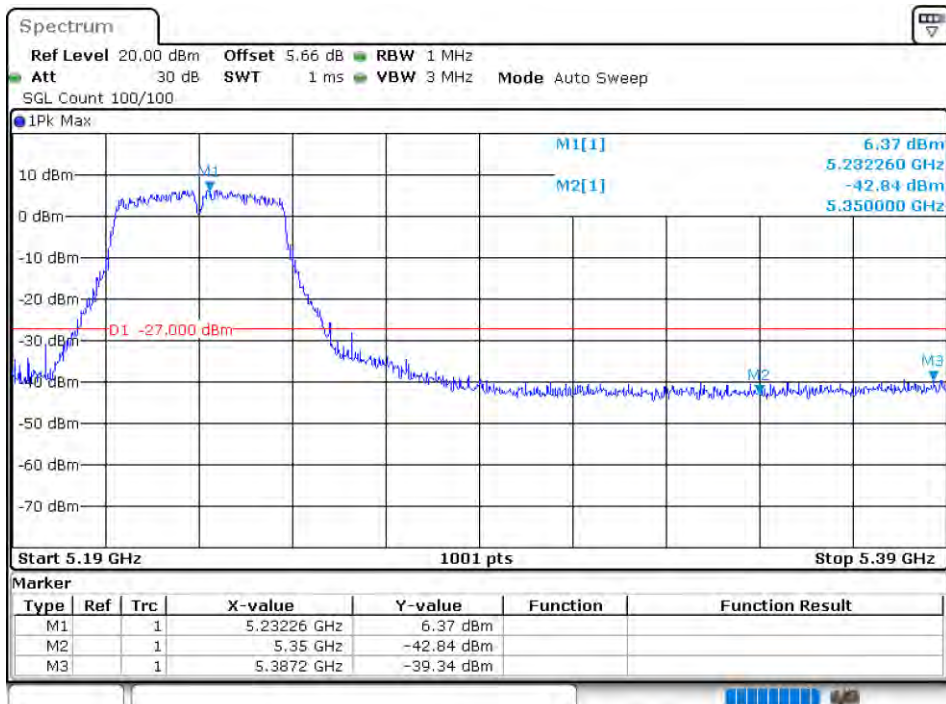
Band Edge NVNT n20 5240MHz High Ant1



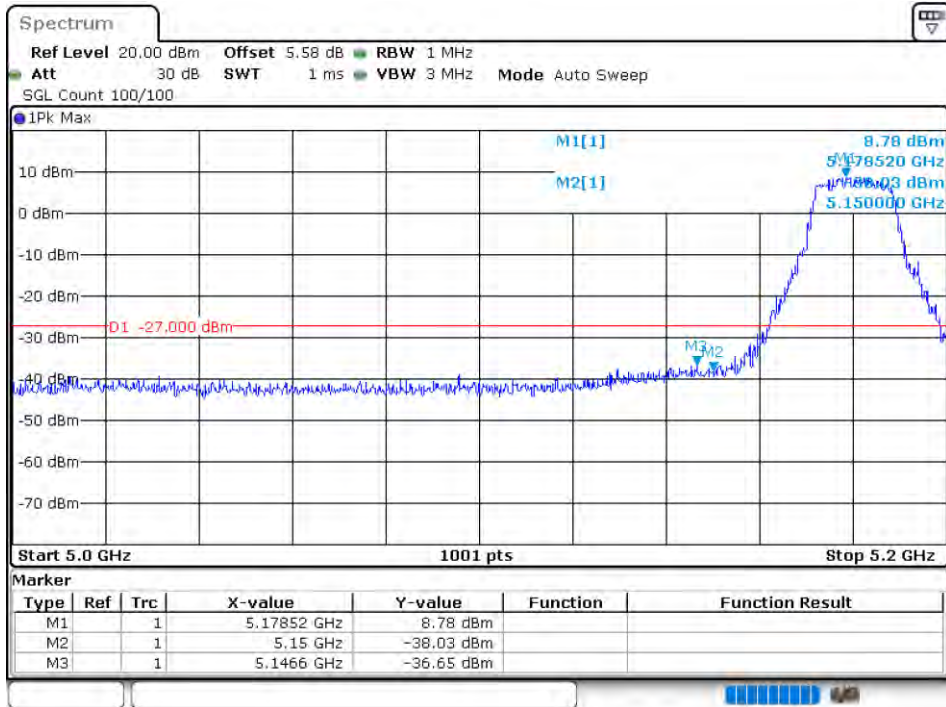
Band Edge NVNT n40 5190MHz Low Ant1



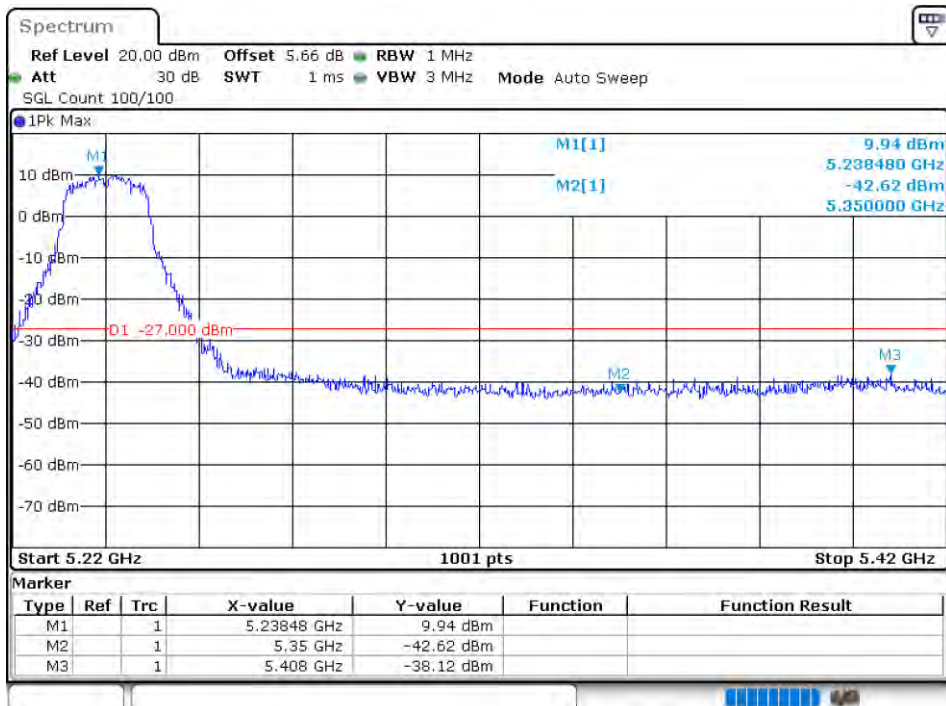
Band Edge NVNT n40 5230MHz High Ant1



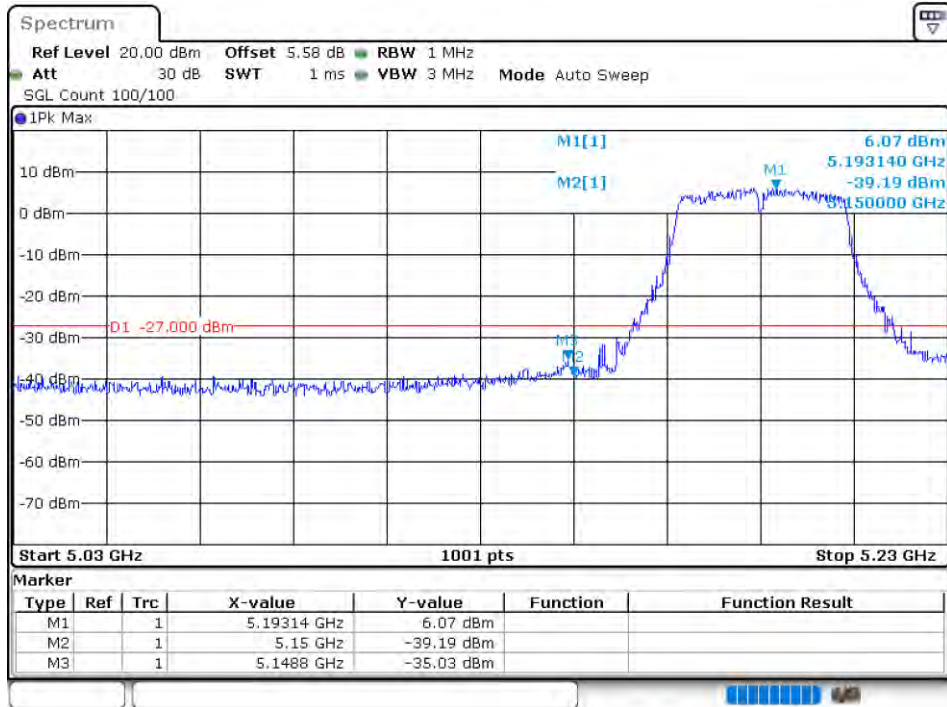
Band Edge NVNT ac20 5180MHz Low Ant1



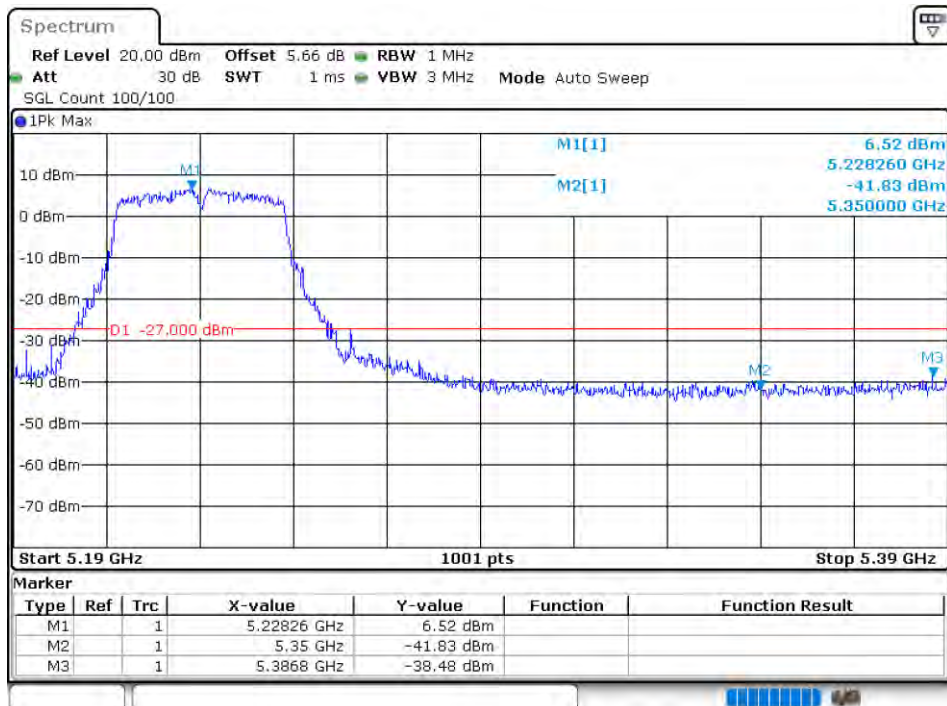
Band Edge NVNT ac20 5240MHz High Ant1



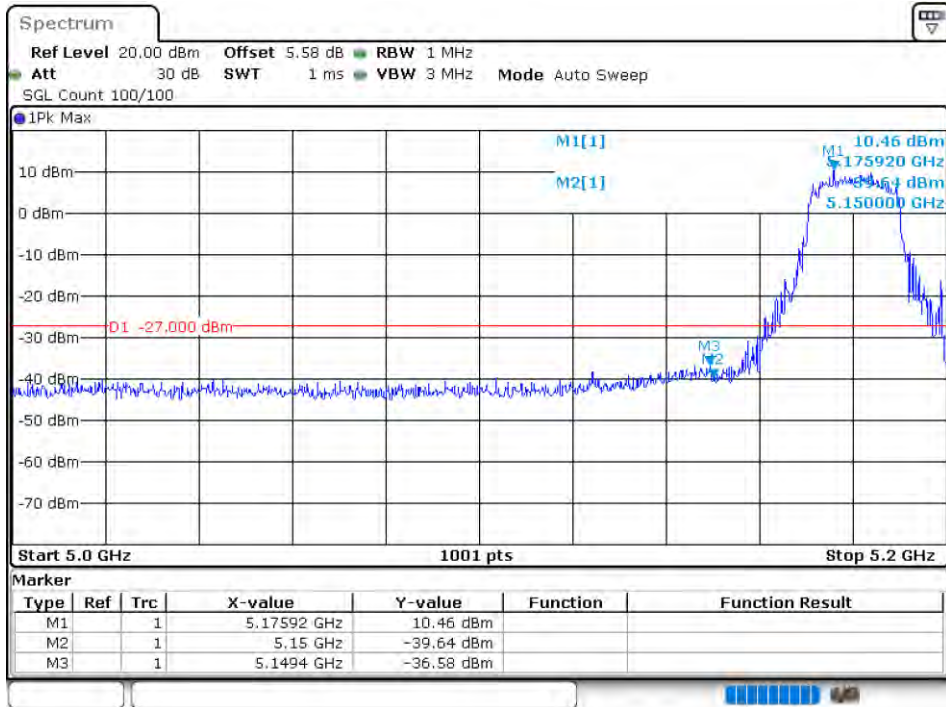
Band Edge NVNT ac40 5190MHz Low Ant1



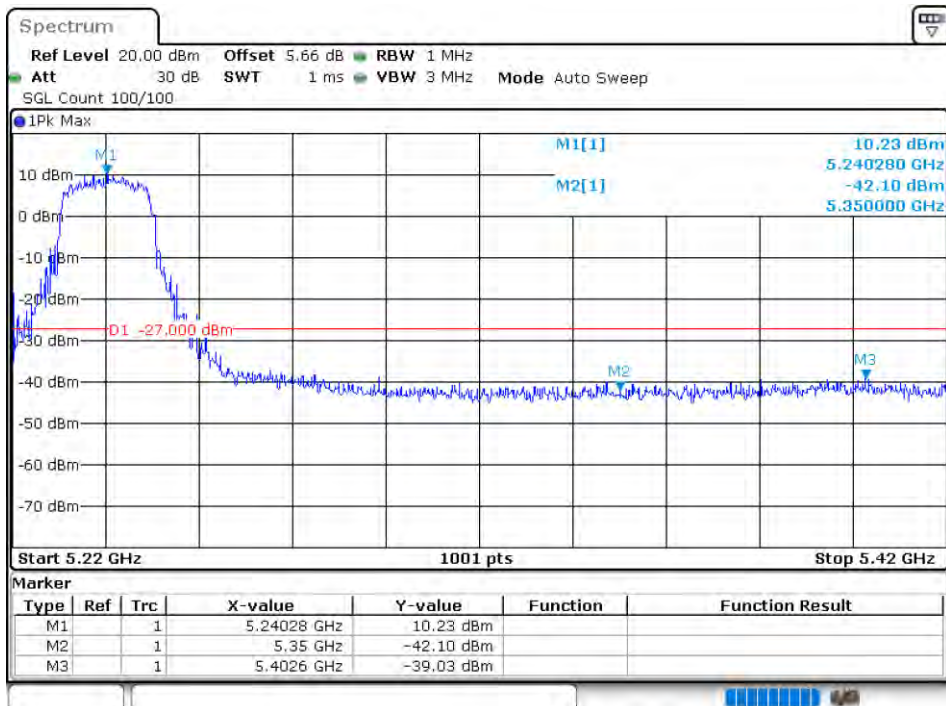
Band Edge NVNT ac40 5230MHz High Ant1



Band Edge NVNT ax20 5180MHz Low Ant1



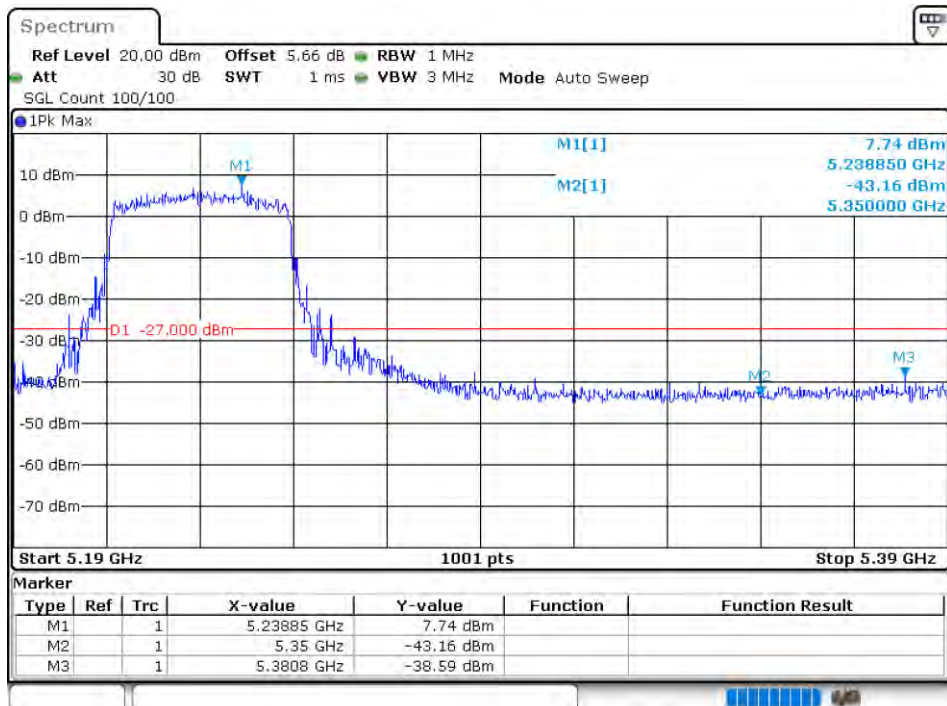
Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1

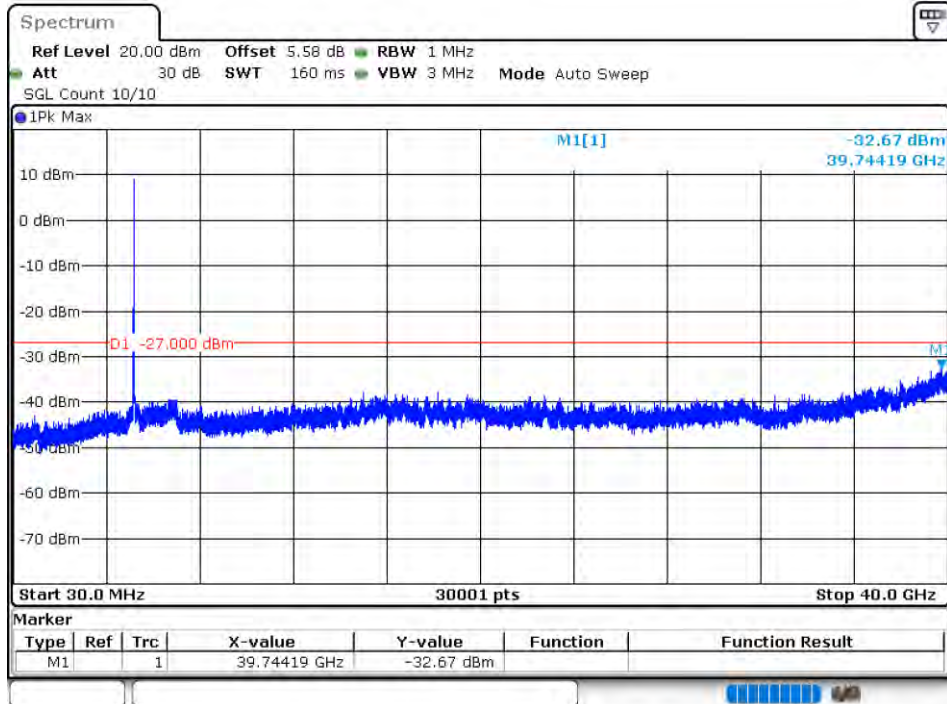


Conducted RF Spurious Emission

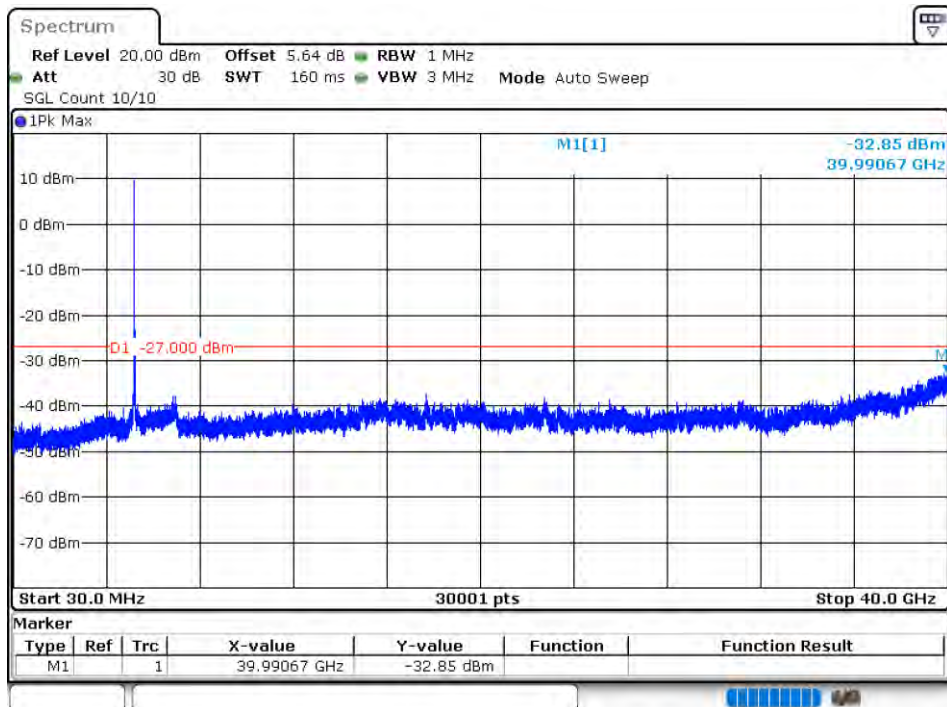
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-32.67	-27	Pass
NVNT	a	5200	Ant1	-32.84	-27	Pass
NVNT	a	5240	Ant1	-32.88	-27	Pass
NVNT	n20	5180	Ant1	-32.32	-27	Pass
NVNT	n20	5200	Ant1	-32.73	-27	Pass
NVNT	n20	5240	Ant1	-32.19	-27	Pass
NVNT	n40	5190	Ant1	-33.32	-27	Pass
NVNT	n40	5230	Ant1	-32.16	-27	Pass
NVNT	ac20	5180	Ant1	-31.57	-27	Pass
NVNT	ac20	5200	Ant1	-32.46	-27	Pass
NVNT	ac20	5240	Ant1	-33.18	-27	Pass
NVNT	ac40	5190	Ant1	-32.73	-27	Pass
NVNT	ac40	5230	Ant1	-32.75	-27	Pass
NVNT	ax20	5180	Ant1	-32.84	-27	Pass
NVNT	ax20	5200	Ant1	-32.45	-27	Pass
NVNT	ax20	5240	Ant1	-32.8	-27	Pass
NVNT	ax40	5190	Ant1	-32.41	-27	Pass
NVNT	ax40	5230	Ant1	-32.62	-27	Pass

Test Graphs

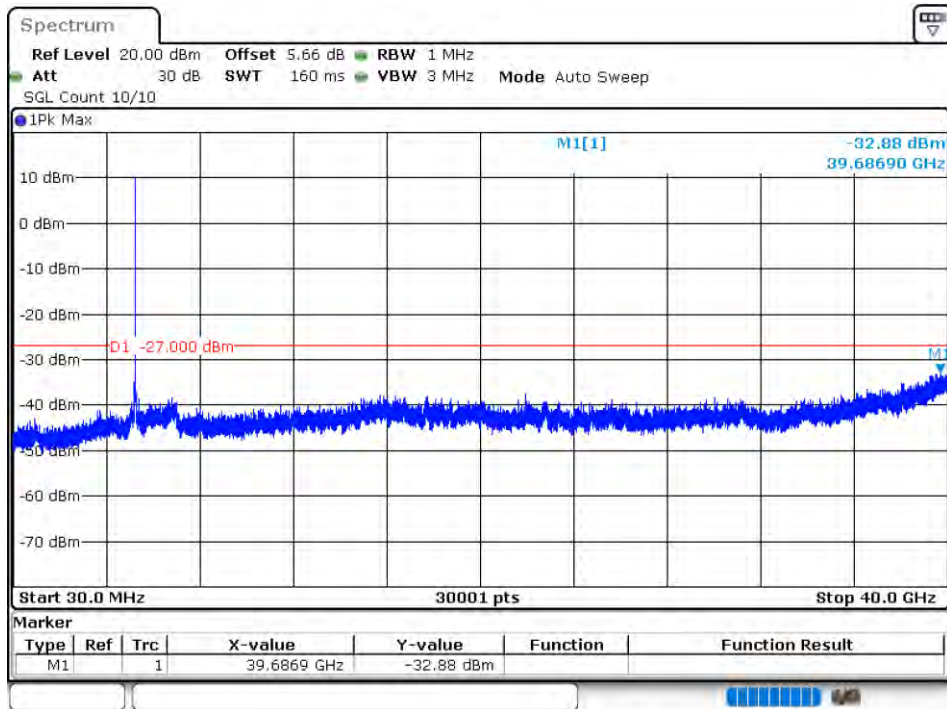
Tx. Spurious NVNT a 5180MHz Ant1 Emission



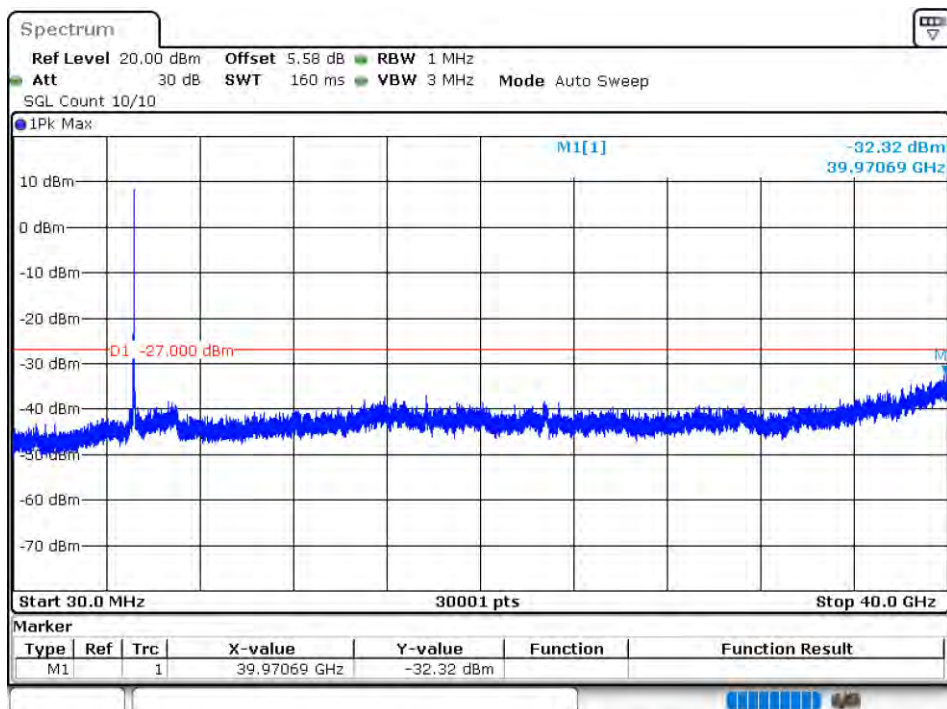
Tx. Spurious NVNT a 5200MHz Ant1 Emission



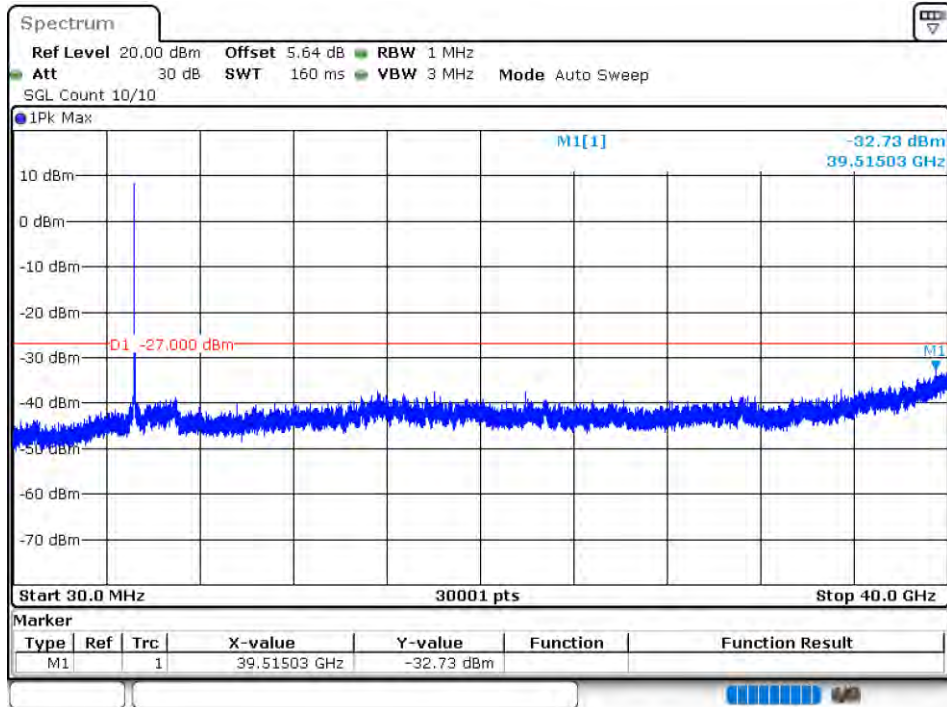
Tx. Spurious NVNT a 5240MHz Ant1 Emission



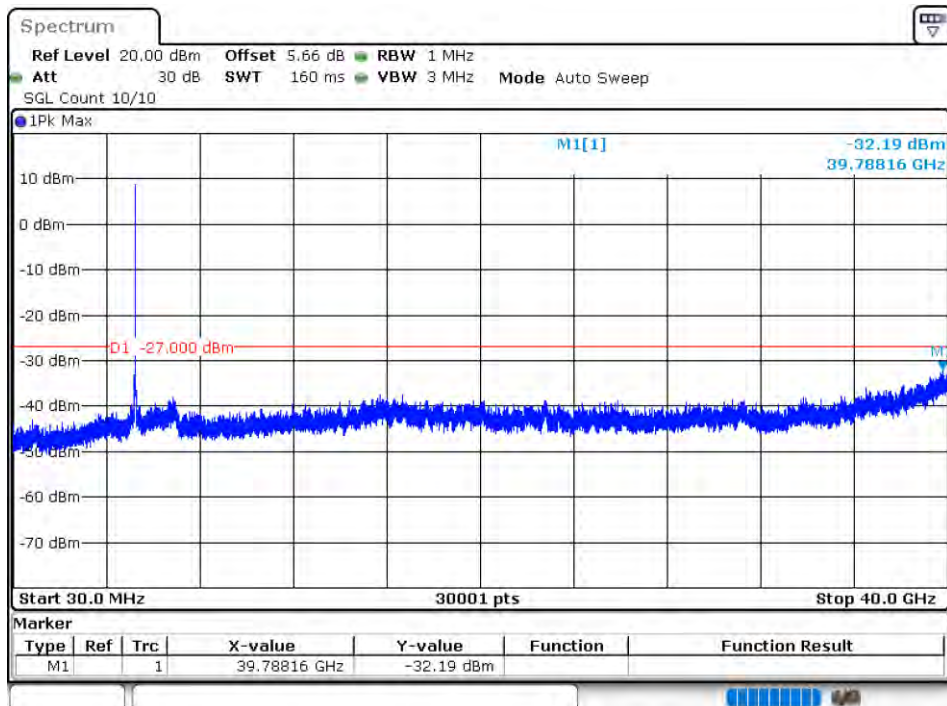
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



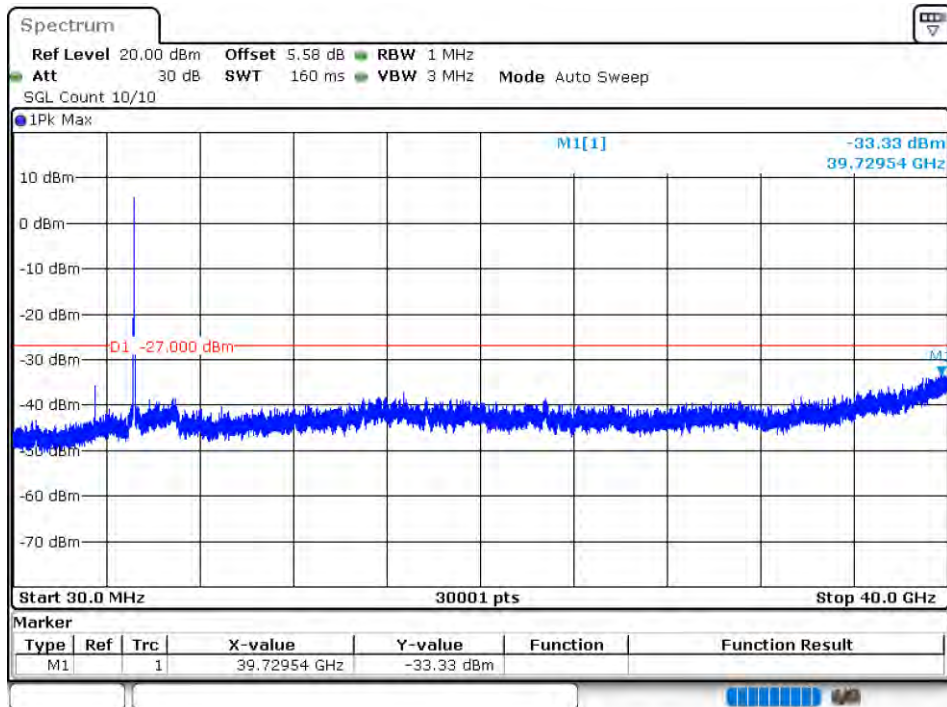
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



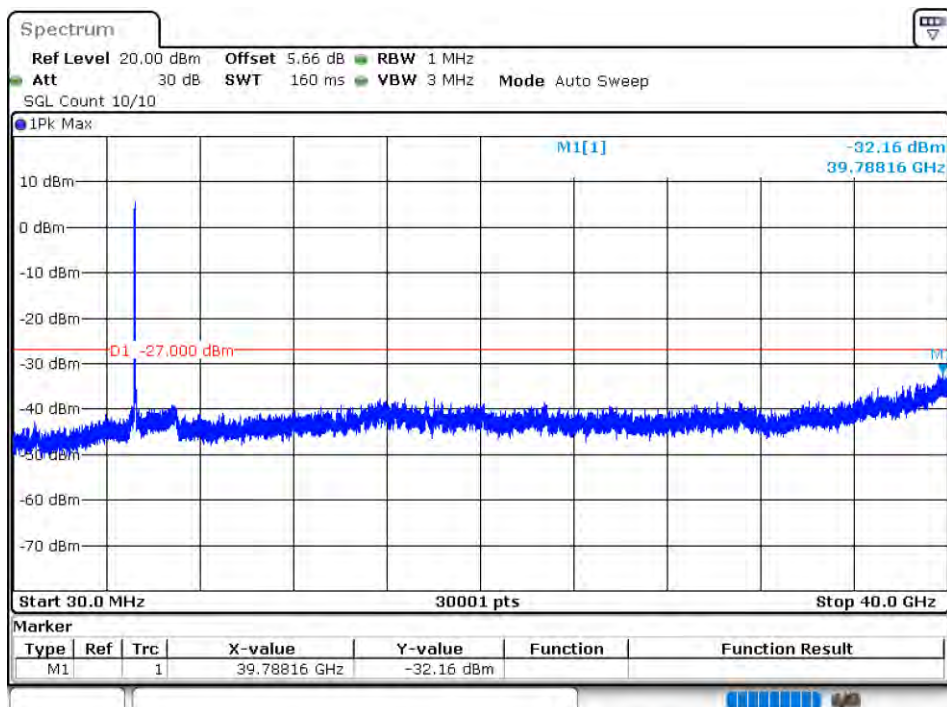
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



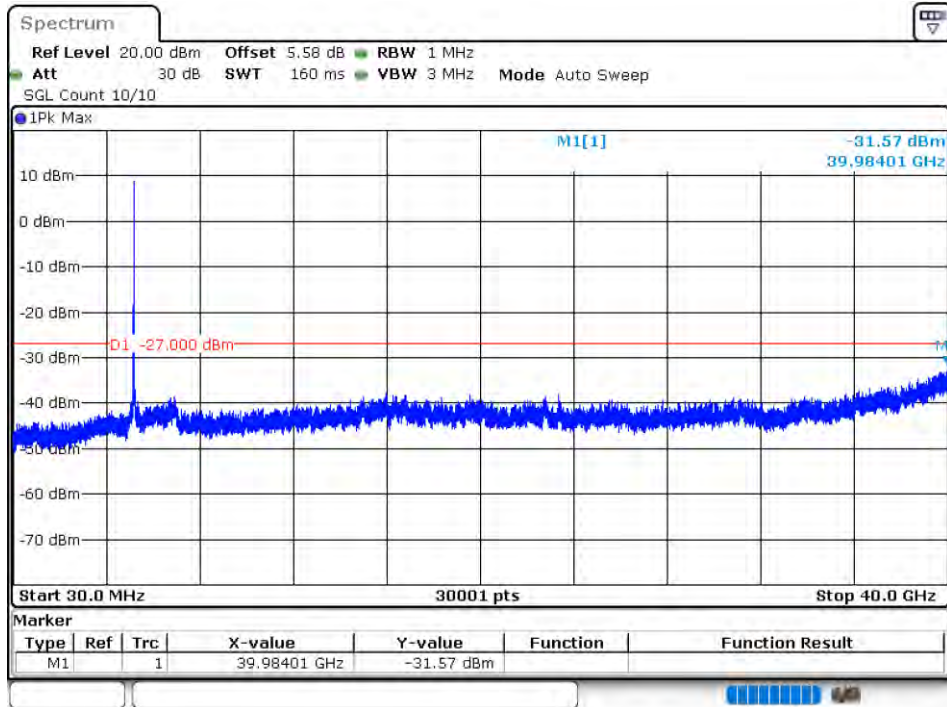
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



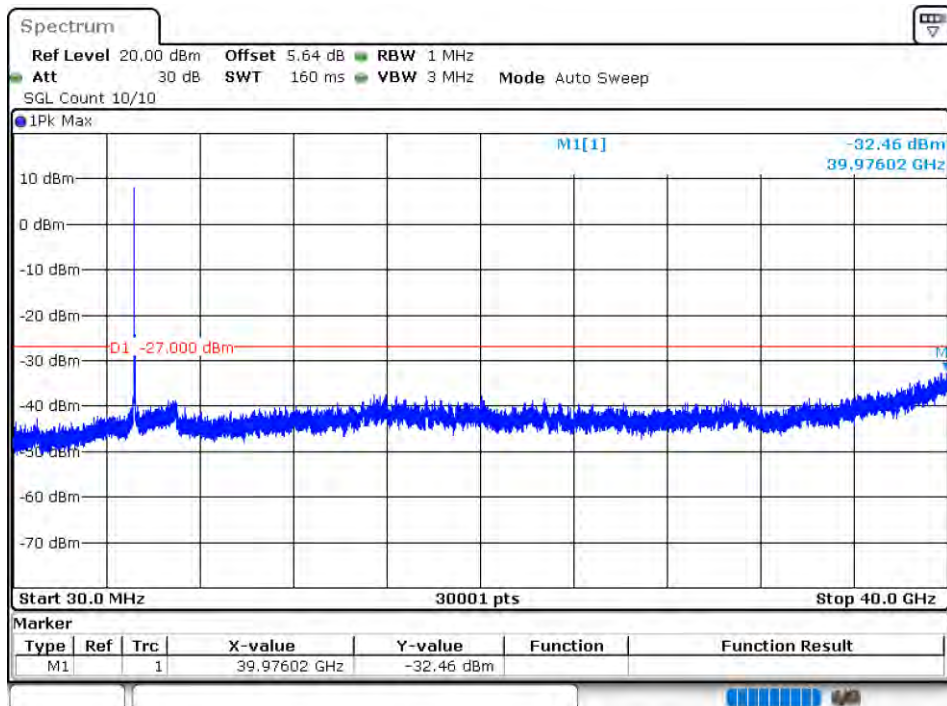
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



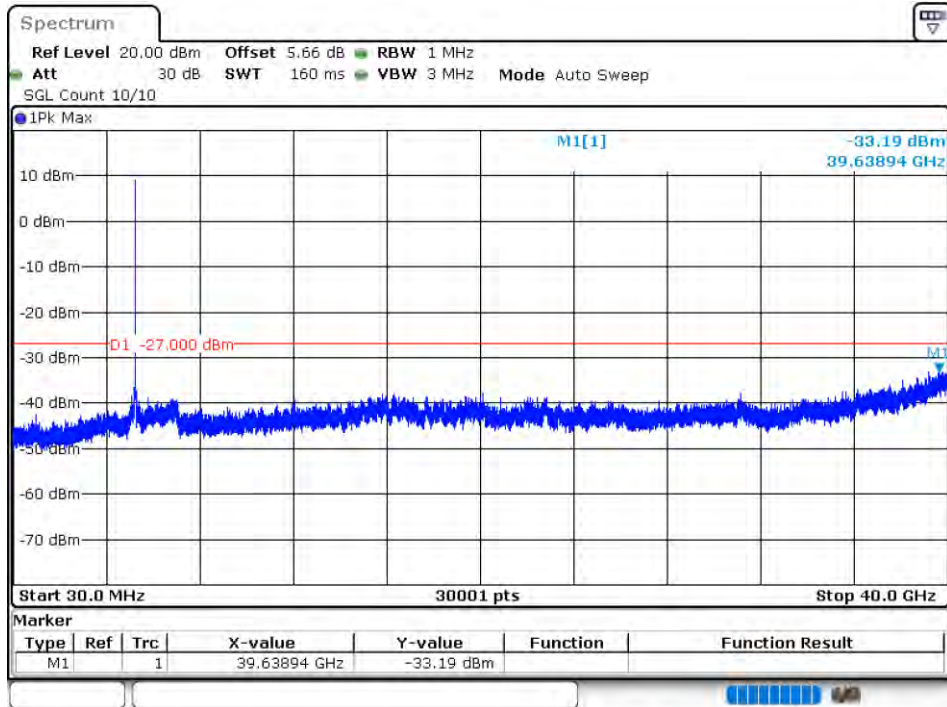
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



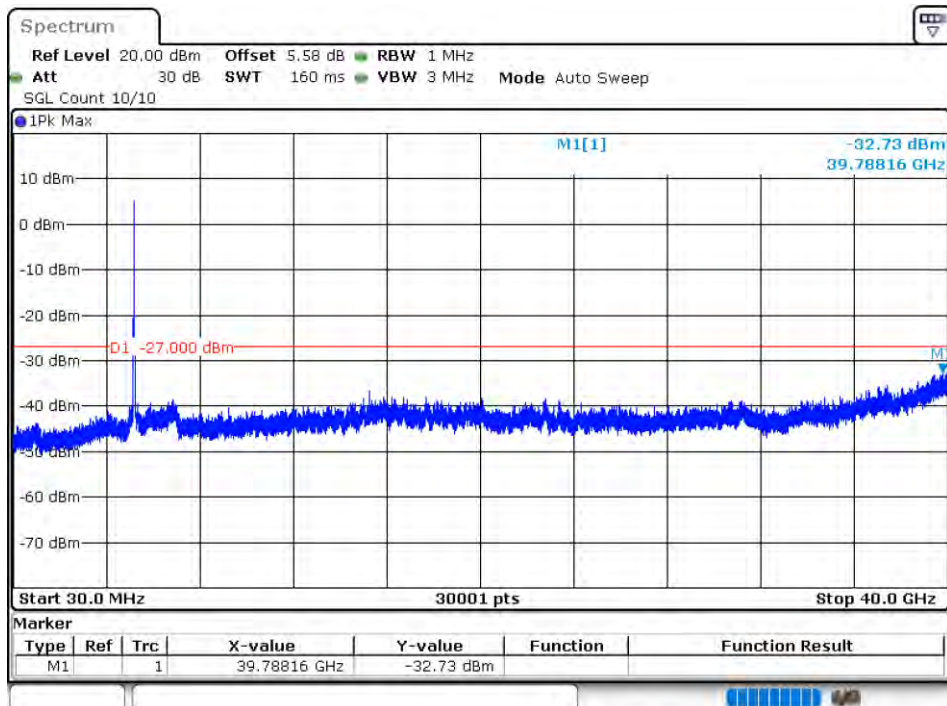
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



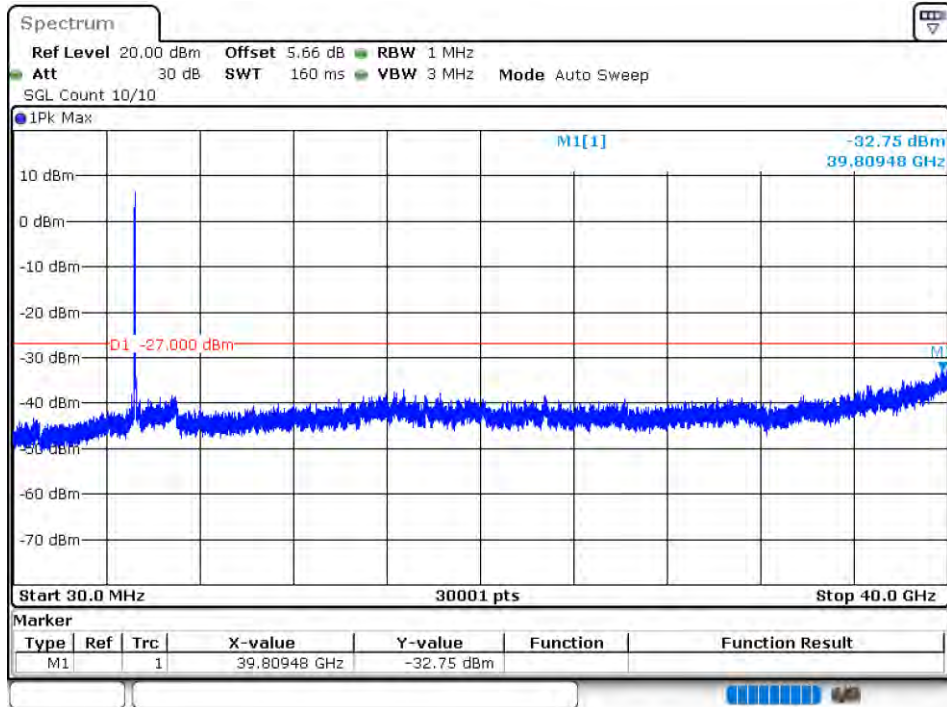
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



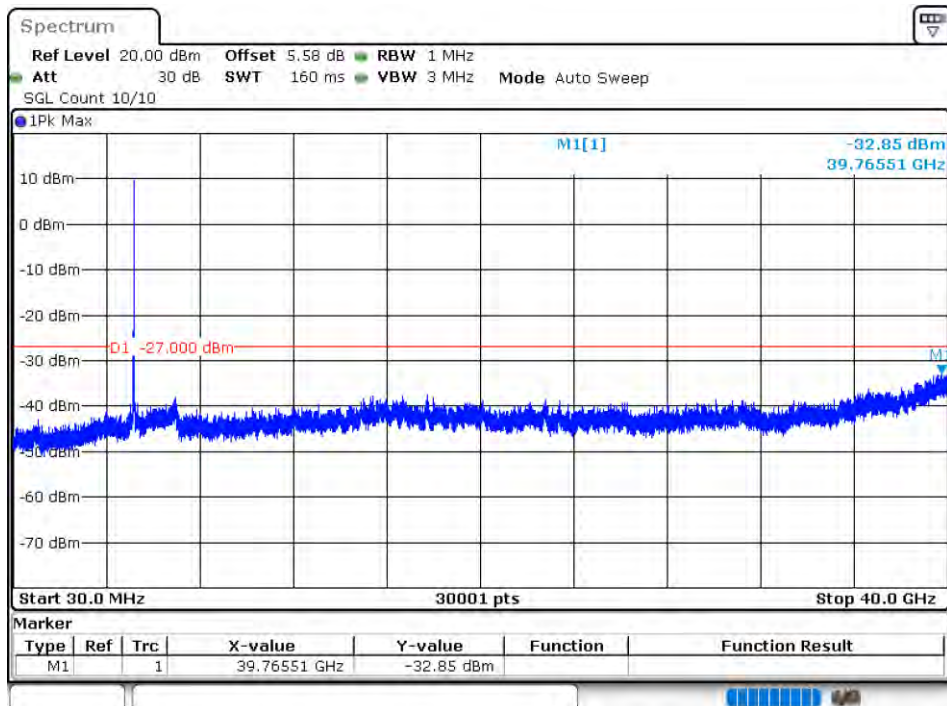
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



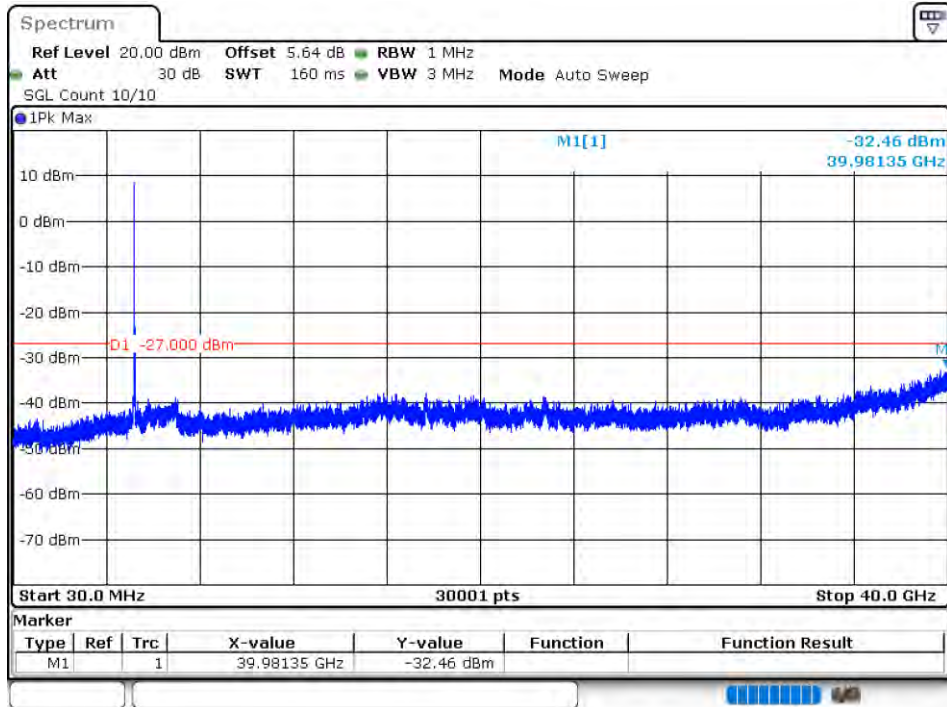
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



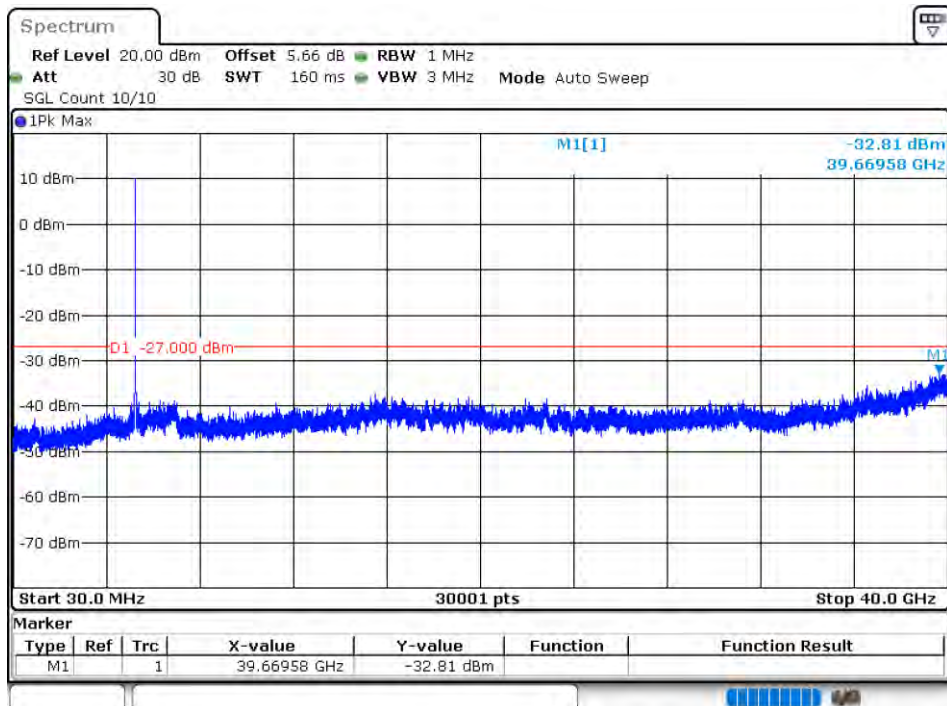
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



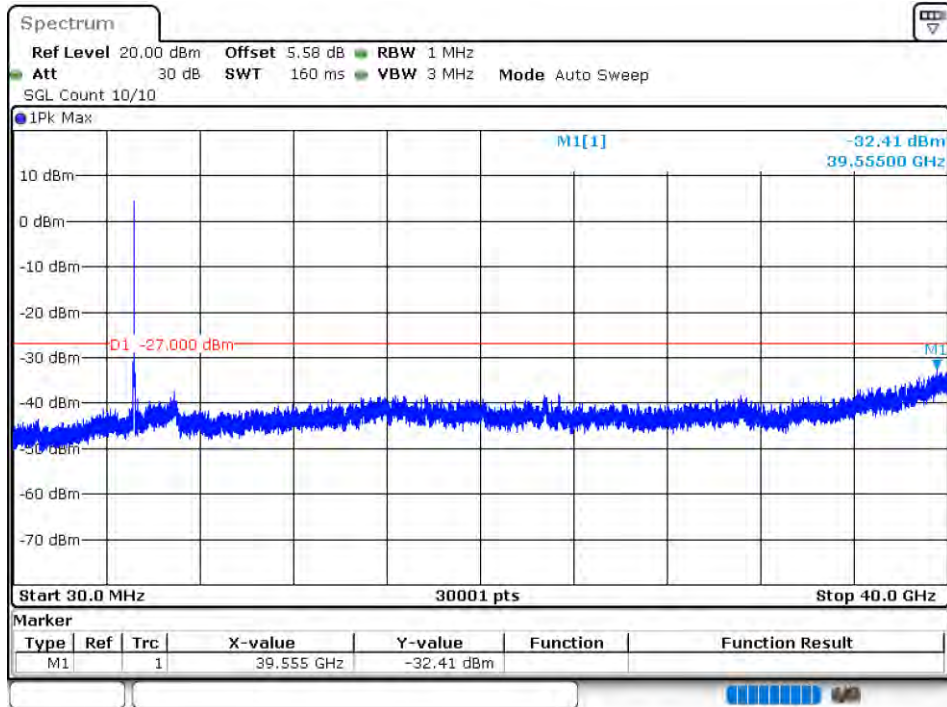
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



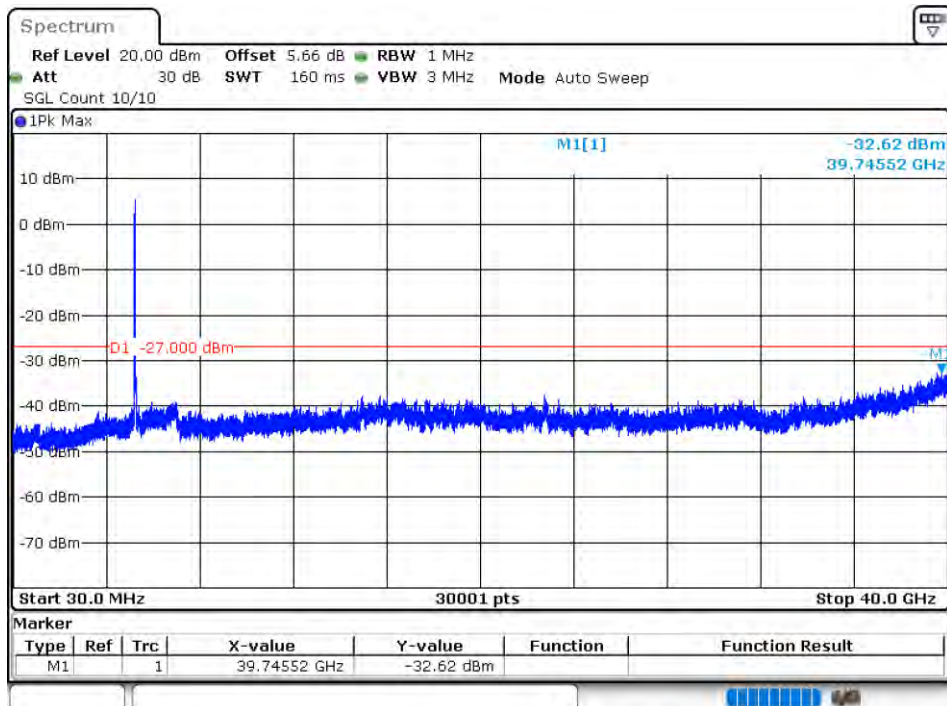
Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



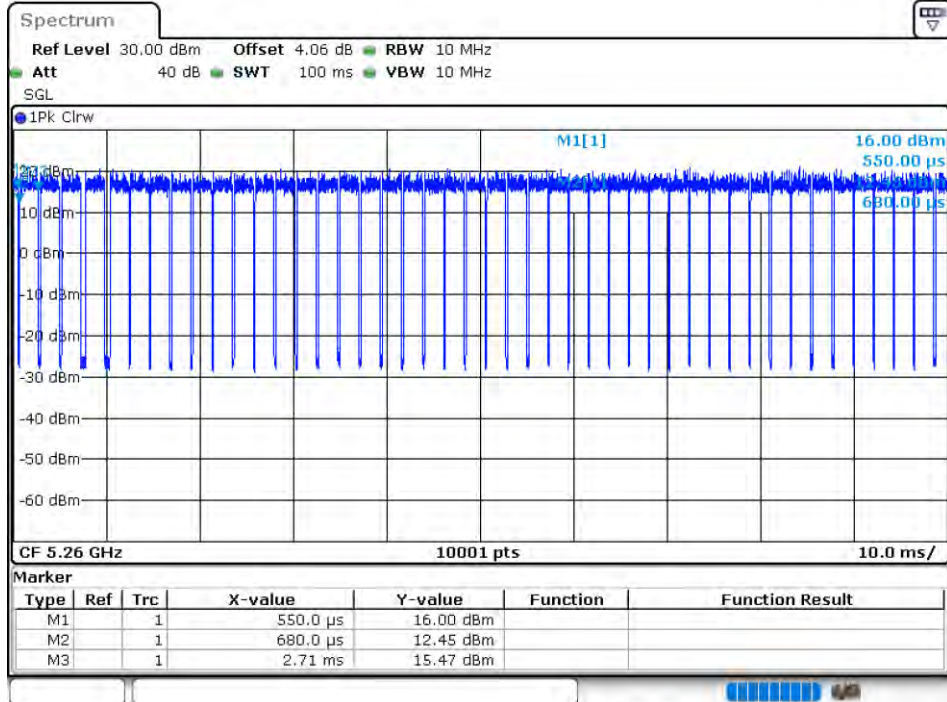
5.3G WIFI

Duty Cycle

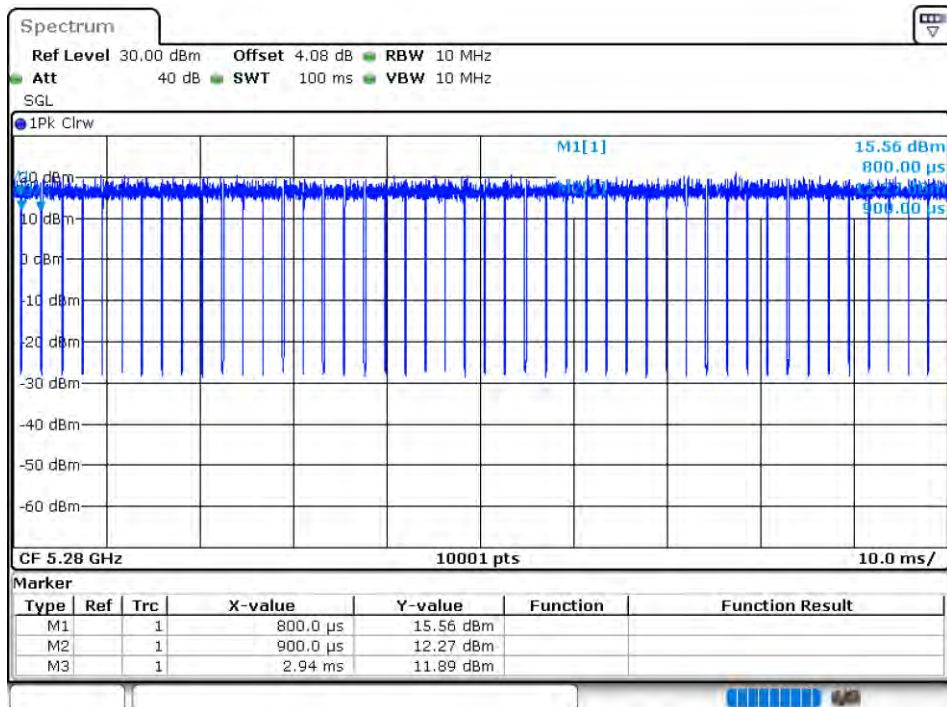
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	91.75	0.37	0.49
NVNT	a	5280	Ant1	94.79	0.23	0.49
NVNT	a	5320	Ant1	95.16	0.22	0.49
NVNT	n20	5260	Ant1	93.55	0.29	0.53
NVNT	n20	5280	Ant1	92.05	0.36	0.53
NVNT	n20	5320	Ant1	95.18	0.21	0.53
NVNT	n40	5270	Ant1	85.66	0.67	1.06
NVNT	n40	5310	Ant1	85.21	0.7	1.08
NVNT	ac20	5260	Ant1	94.56	0.24	0.53
NVNT	ac20	5280	Ant1	94.55	0.24	0.53
NVNT	ac20	5320	Ant1	92.24	0.35	0.53
NVNT	ac40	5270	Ant1	85.28	0.69	1.06
NVNT	ac40	5310	Ant1	89.64	0.47	1.08
NVNT	ax20	5260	Ant1	90.32	0.44	0.68
NVNT	ax20	5280	Ant1	89.8	0.47	0.68
NVNT	ax20	5320	Ant1	90.69	0.42	0.68
NVNT	ax40	5270	Ant1	83.25	0.8	1.3
NVNT	ax40	5310	Ant1	87.85	0.56	1.32

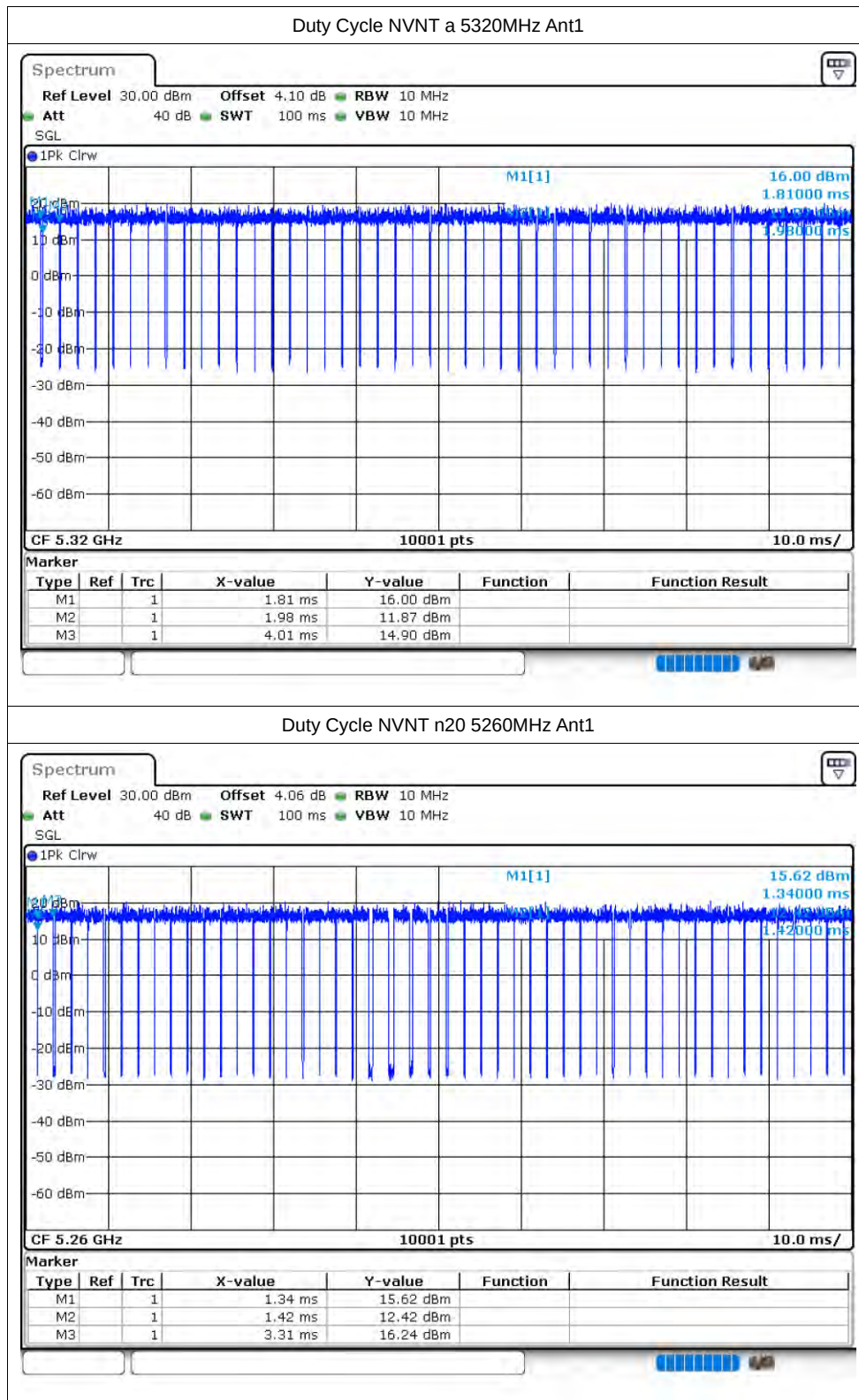
Test Graphs

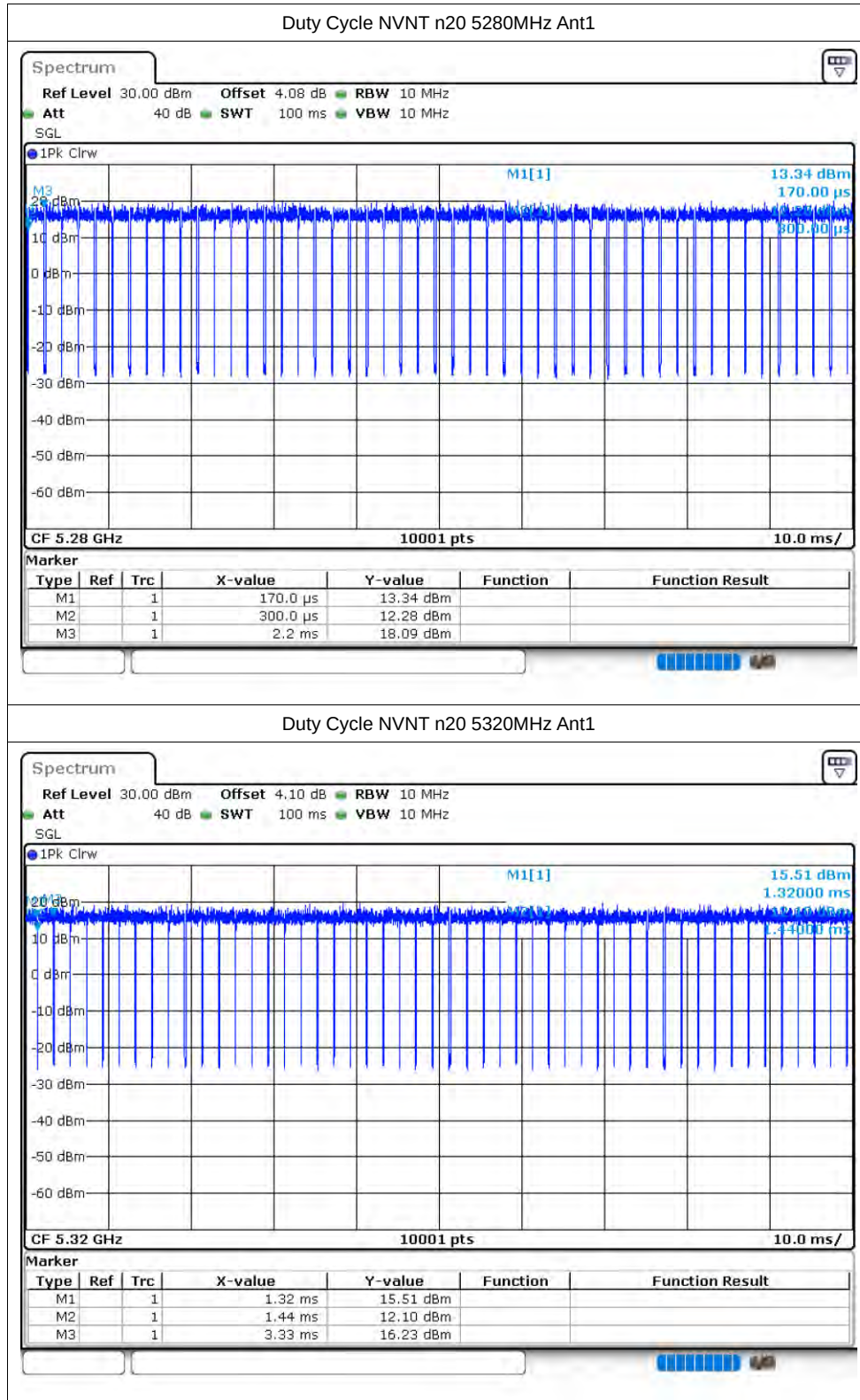
Duty Cycle NVNT a 5260MHz Ant1



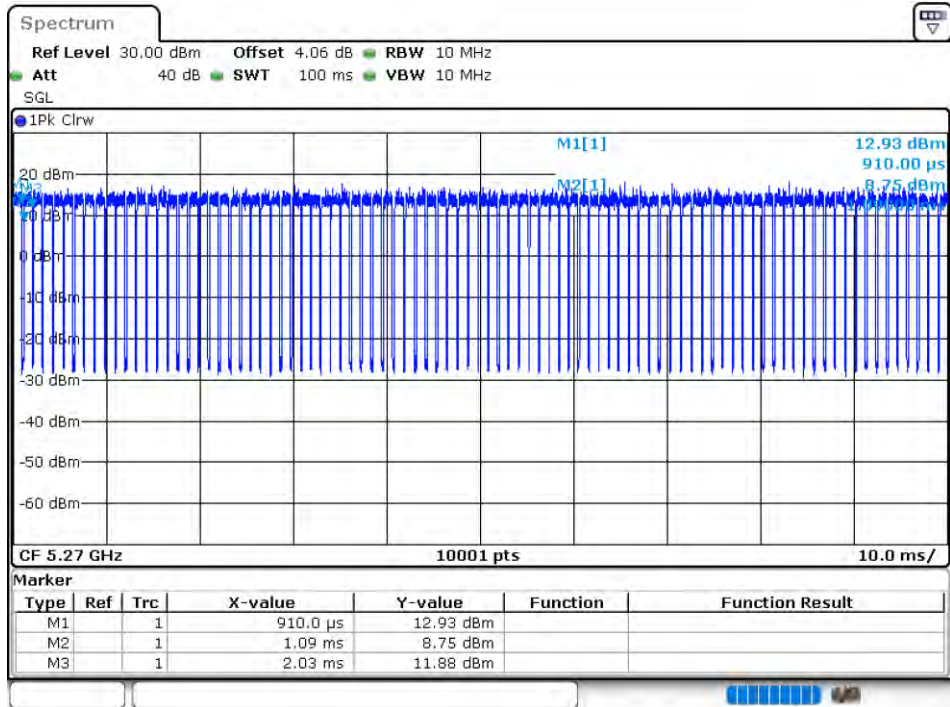
Duty Cycle NVNT a 5280MHz Ant1



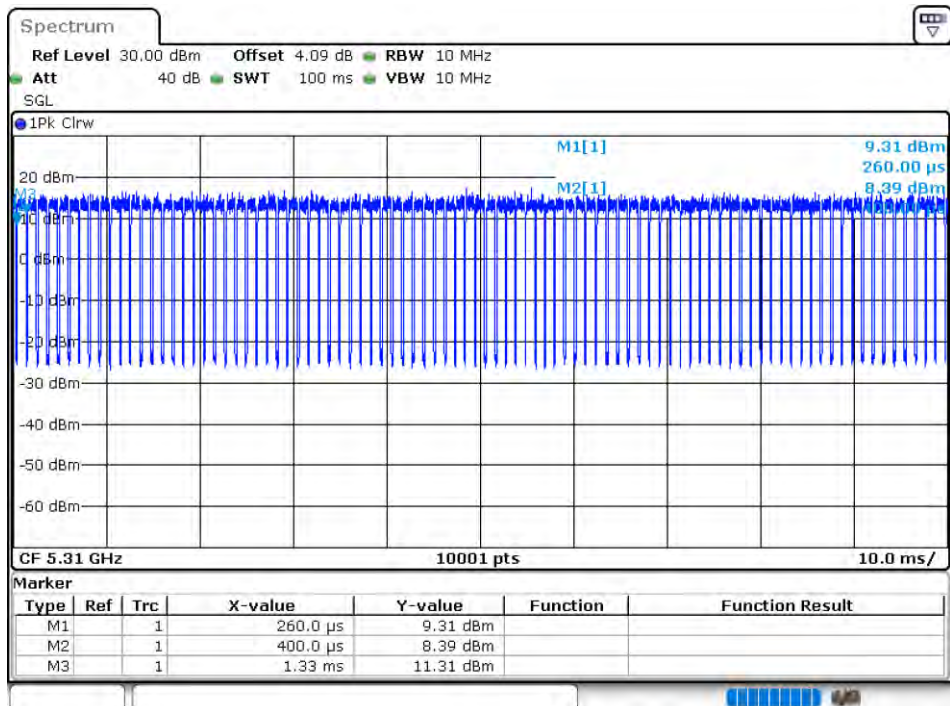




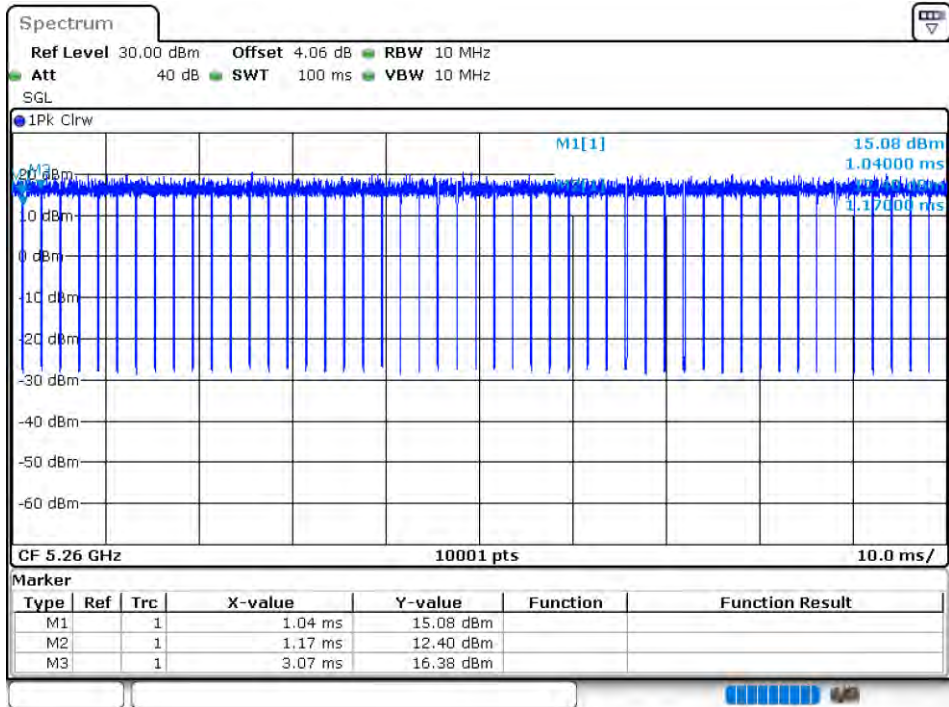
Duty Cycle NVNT n40 5270MHz Ant1



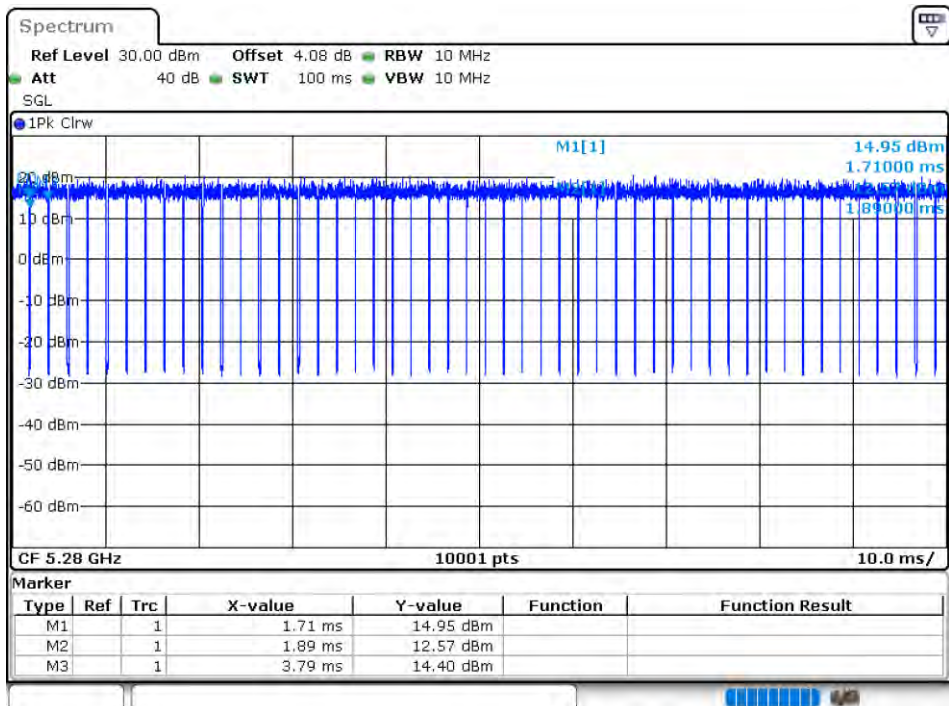
Duty Cycle NVNT n40 5310MHz Ant1



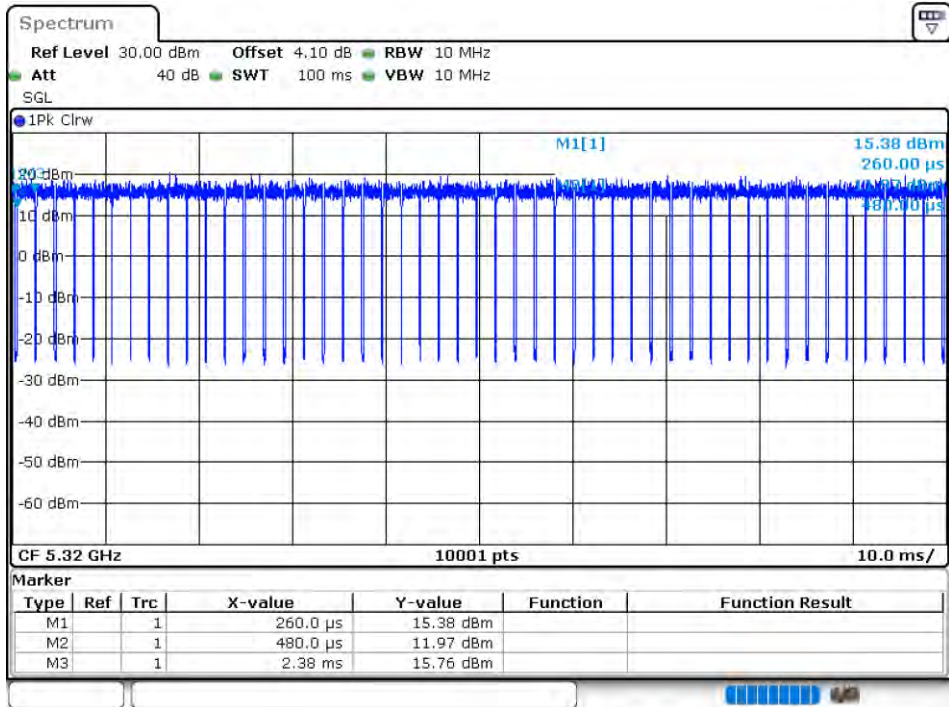
Duty Cycle NVNT ac20 5260MHz Ant1



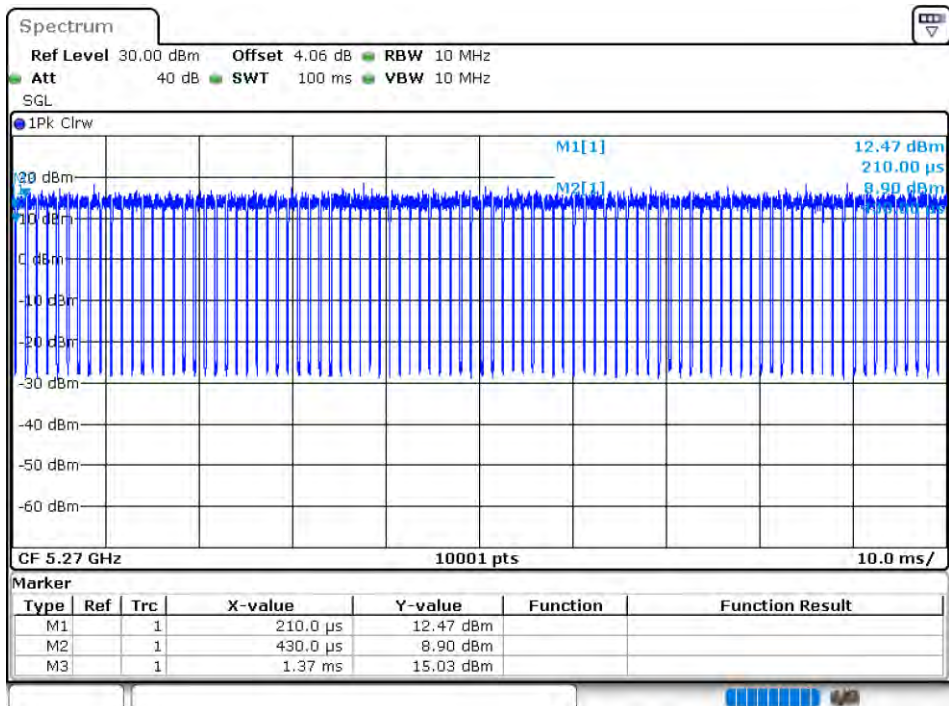
Duty Cycle NVNT ac20 5280MHz Ant1



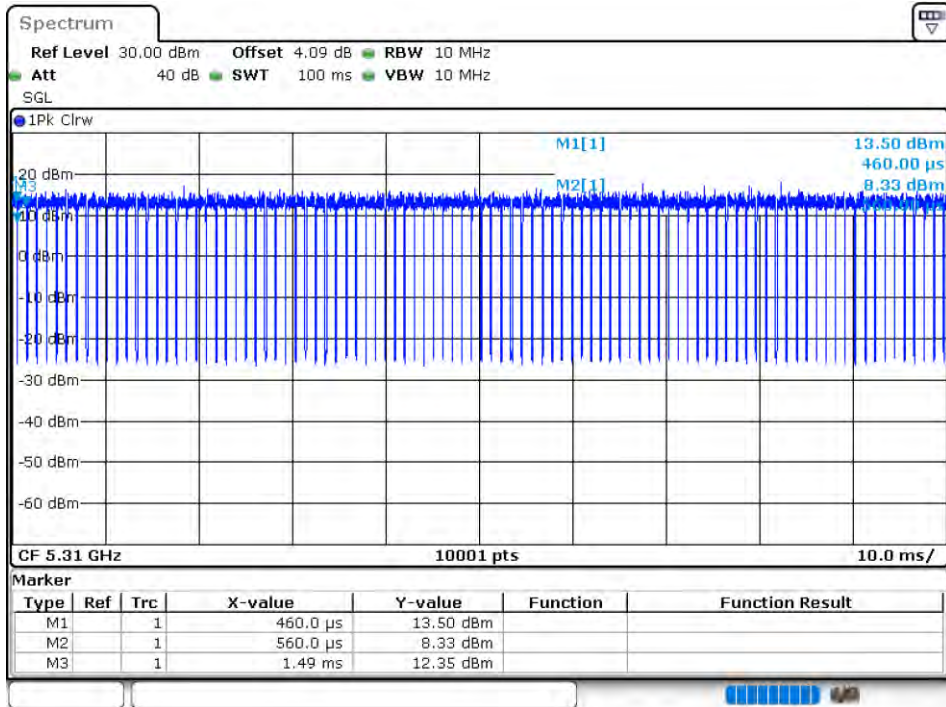
Duty Cycle NVNT ac20 5320MHz Ant1



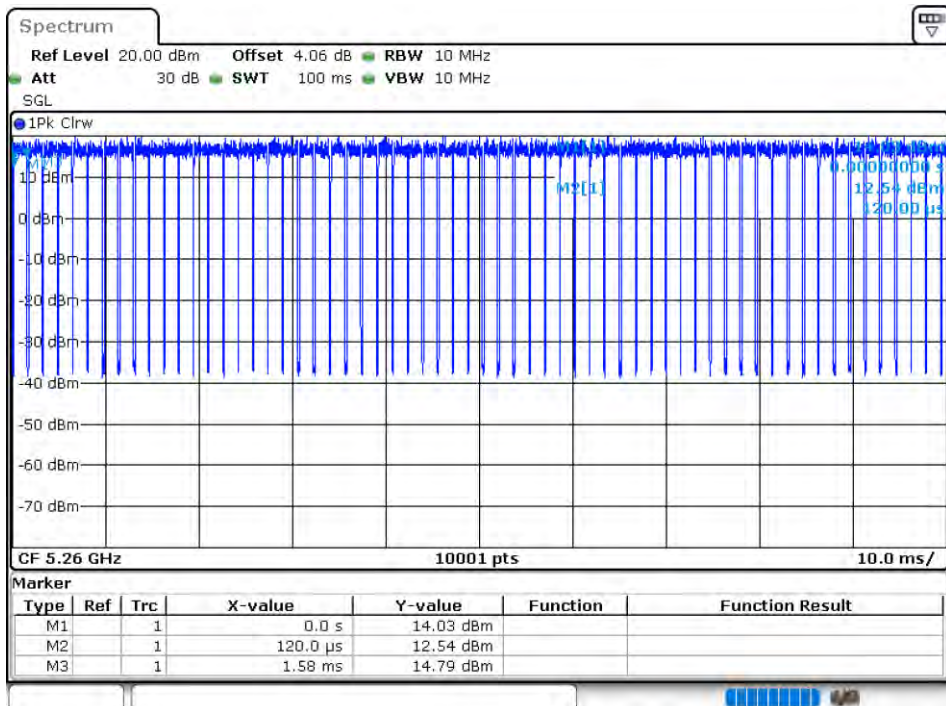
Duty Cycle NVNT ac40 5270MHz Ant1



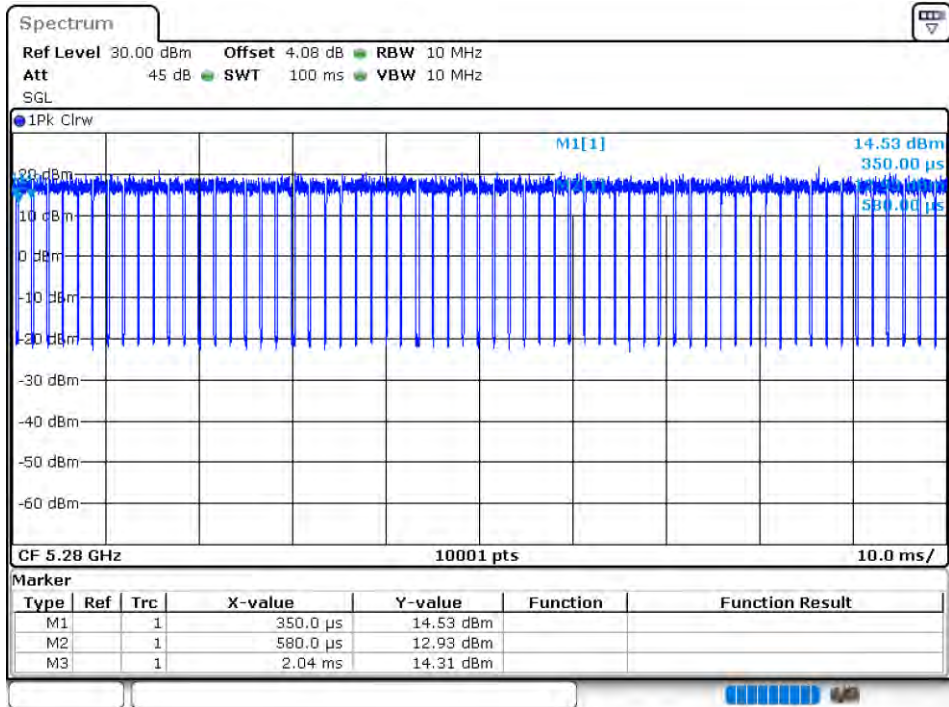
Duty Cycle NVNT ac40 5310MHz Ant1



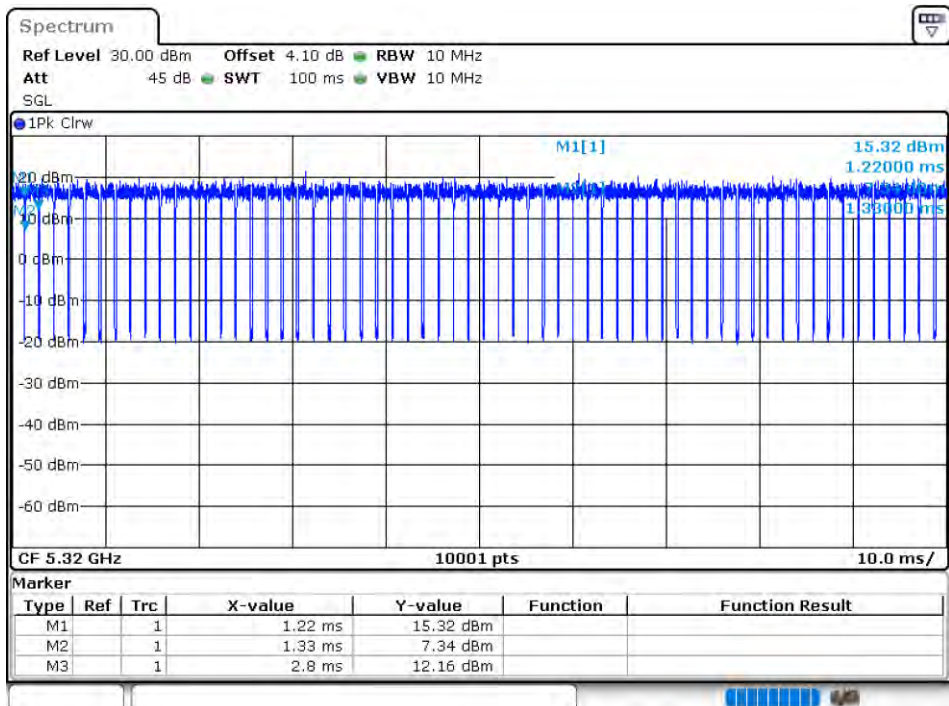
Duty Cycle NVNT ax20 5260MHz Ant1



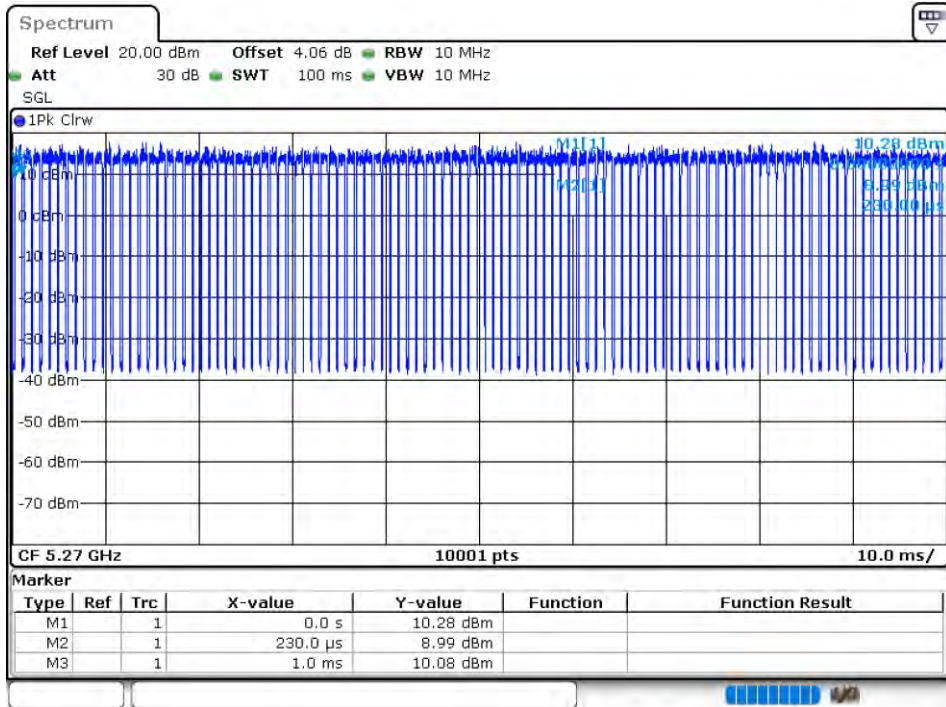
Duty Cycle NVNT ax20 5280MHz Ant1



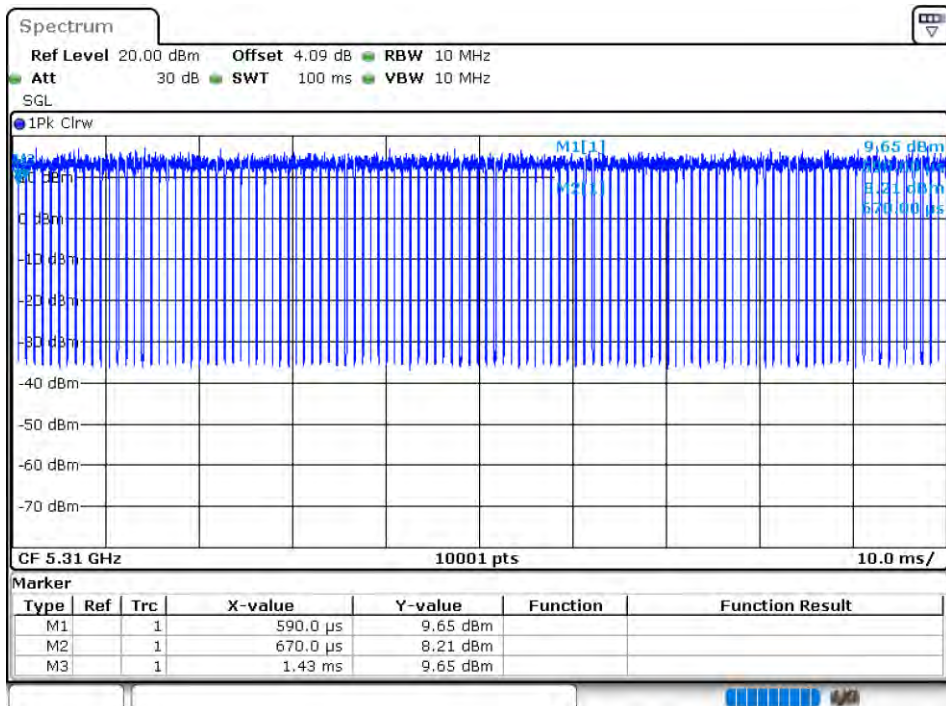
Duty Cycle NVNT ax20 5320MHz Ant1



Duty Cycle NVNT ax40 5270MHz Ant1



Duty Cycle NVNT ax40 5310MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	11.95	23.59	Pass
NVNT	a	5280	Ant1	11.81	23.44	Pass
NVNT	a	5320	Ant1	12.07	23.70	Pass
NVNT	n20	5260	Ant1	11.66	23.69	Pass
NVNT	n20	5280	Ant1	11.8	23.77	Pass
NVNT	n20	5320	Ant1	11.98	23.95	Pass
NVNT	n40	5270	Ant1	11.81	24	Pass
NVNT	n40	5310	Ant1	11.85	24	Pass
NVNT	ac20	5260	Ant1	11.74	23.79	Pass
NVNT	ac20	5280	Ant1	11.8	23.72	Pass
NVNT	ac20	5320	Ant1	11.74	23.76	Pass
NVNT	ac40	5270	Ant1	11.92	24	Pass
NVNT	ac40	5310	Ant1	11.76	24	Pass
NVNT	ax20	5260	Ant1	12.11	23.63	Pass
NVNT	ax20	5280	Ant1	11.86	23.41	Pass
NVNT	ax20	5320	Ant1	12.11	23.63	Pass
NVNT	ax40	5270	Ant1	11.71	24	Pass
NVNT	ax40	5310	Ant1	11.66	24	Pass

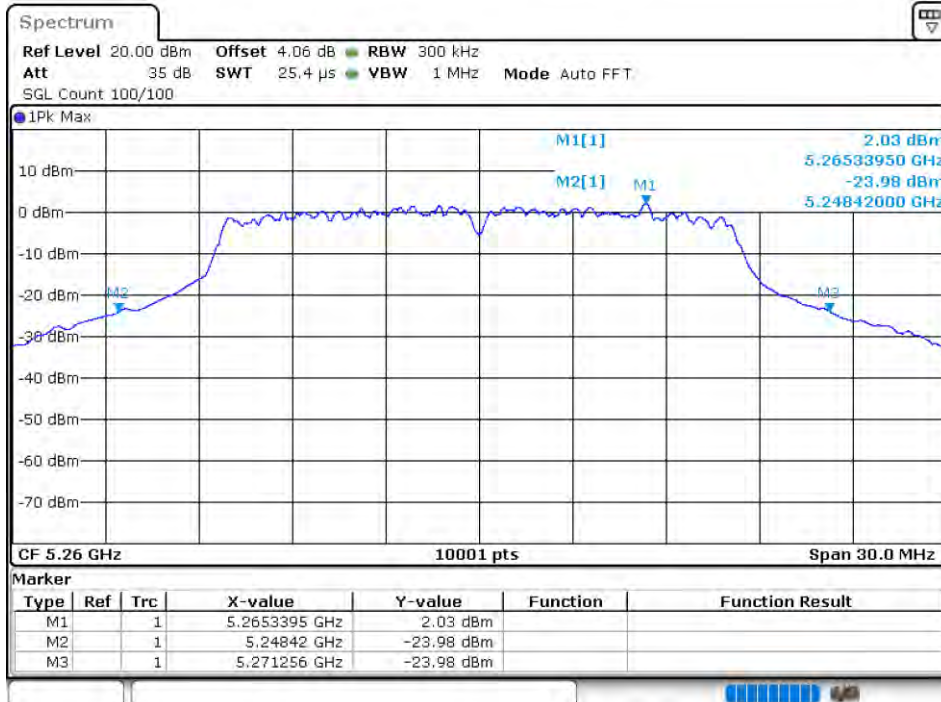
Note: The average power contains duty cycle

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	22.836	Pass
NVNT	a	5280	Ant1	22.086	Pass
NVNT	a	5320	Ant1	23.43	Pass
NVNT	n20	5260	Ant1	23.406	Pass
NVNT	n20	5280	Ant1	23.85	Pass
NVNT	n20	5320	Ant1	24.825	Pass
NVNT	n40	5270	Ant1	47.304	Pass
NVNT	n40	5310	Ant1	46.074	Pass
NVNT	ac20	5260	Ant1	23.907	Pass
NVNT	ac20	5280	Ant1	23.526	Pass
NVNT	ac20	5320	Ant1	23.742	Pass
NVNT	ac40	5270	Ant1	46.32	Pass
NVNT	ac40	5310	Ant1	47.064	Pass
NVNT	ax20	5260	Ant1	23.046	Pass
NVNT	ax20	5280	Ant1	21.948	Pass
NVNT	ax20	5320	Ant1	23.058	Pass
NVNT	ax40	5270	Ant1	45.78	Pass
NVNT	ax40	5310	Ant1	44.142	Pass

Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1



-26dB Bandwidth NVNT a 5280MHz Ant1

