

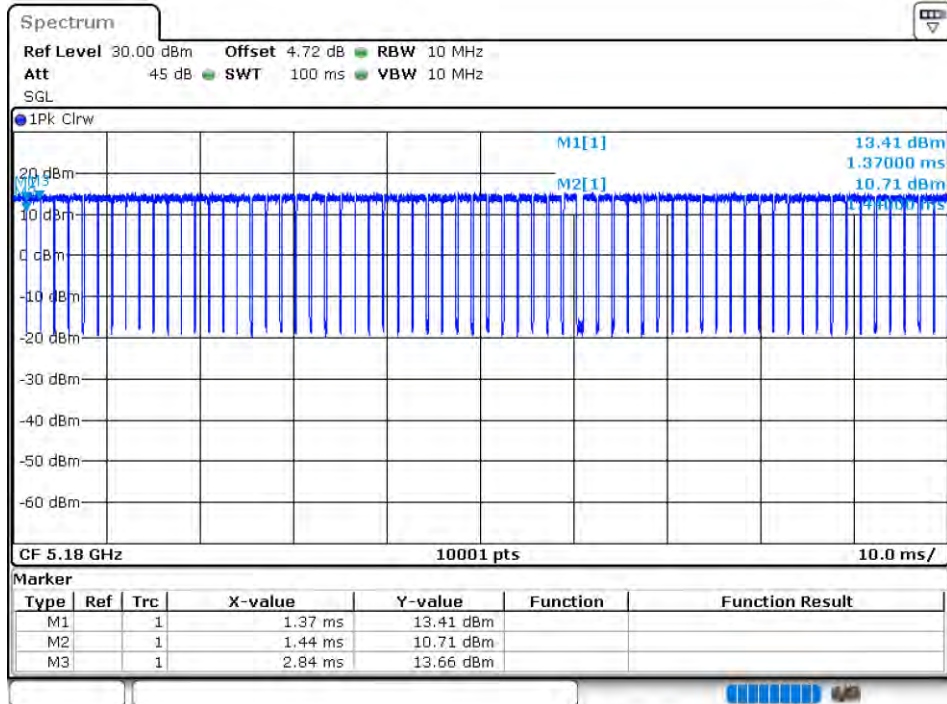
5.2G WIFI

Duty Cycle

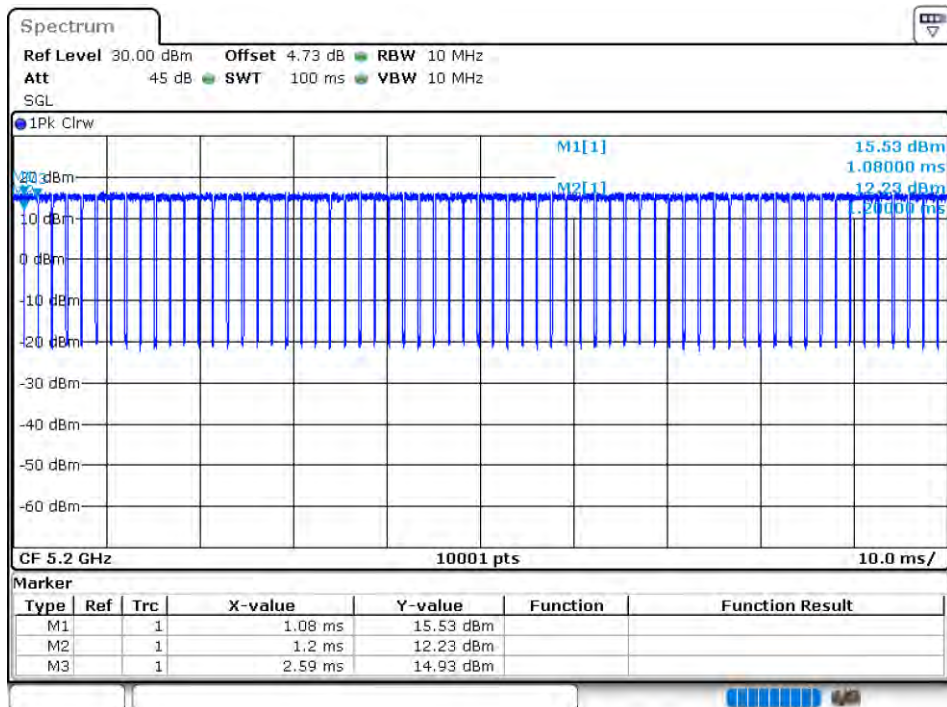
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	89.93	0.46	0.71
NVNT	a	5200	Ant1	89.3	0.49	0.72
NVNT	a	5240	Ant1	90.26	0.44	0.71
NVNT	n20	5180	Ant1	92	0.36	0.76
NVNT	n20	5200	Ant1	88.74	0.52	0.77
NVNT	n20	5240	Ant1	89.49	0.48	0.76
NVNT	n40	5190	Ant1	85.75	0.67	1.54
NVNT	n40	5230	Ant1	81.02	0.91	1.54
NVNT	ac20	5180	Ant1	90.23	0.45	0.76
NVNT	ac20	5200	Ant1	88.96	0.51	0.76
NVNT	ac20	5240	Ant1	89.13	0.5	0.76
NVNT	ac40	5190	Ant1	85.93	0.66	1.54
NVNT	ac40	5230	Ant1	80.3	0.95	1.52
NVNT	ax20	5180	Ant1	89.82	0.47	0.98
NVNT	ax20	5200	Ant1	85.7	0.67	0.98
NVNT	ax20	5240	Ant1	86.84	0.61	0.98
NVNT	ax40	5190	Ant1	83.07	0.81	1.85
NVNT	ax40	5230	Ant1	76.98	1.14	1.85

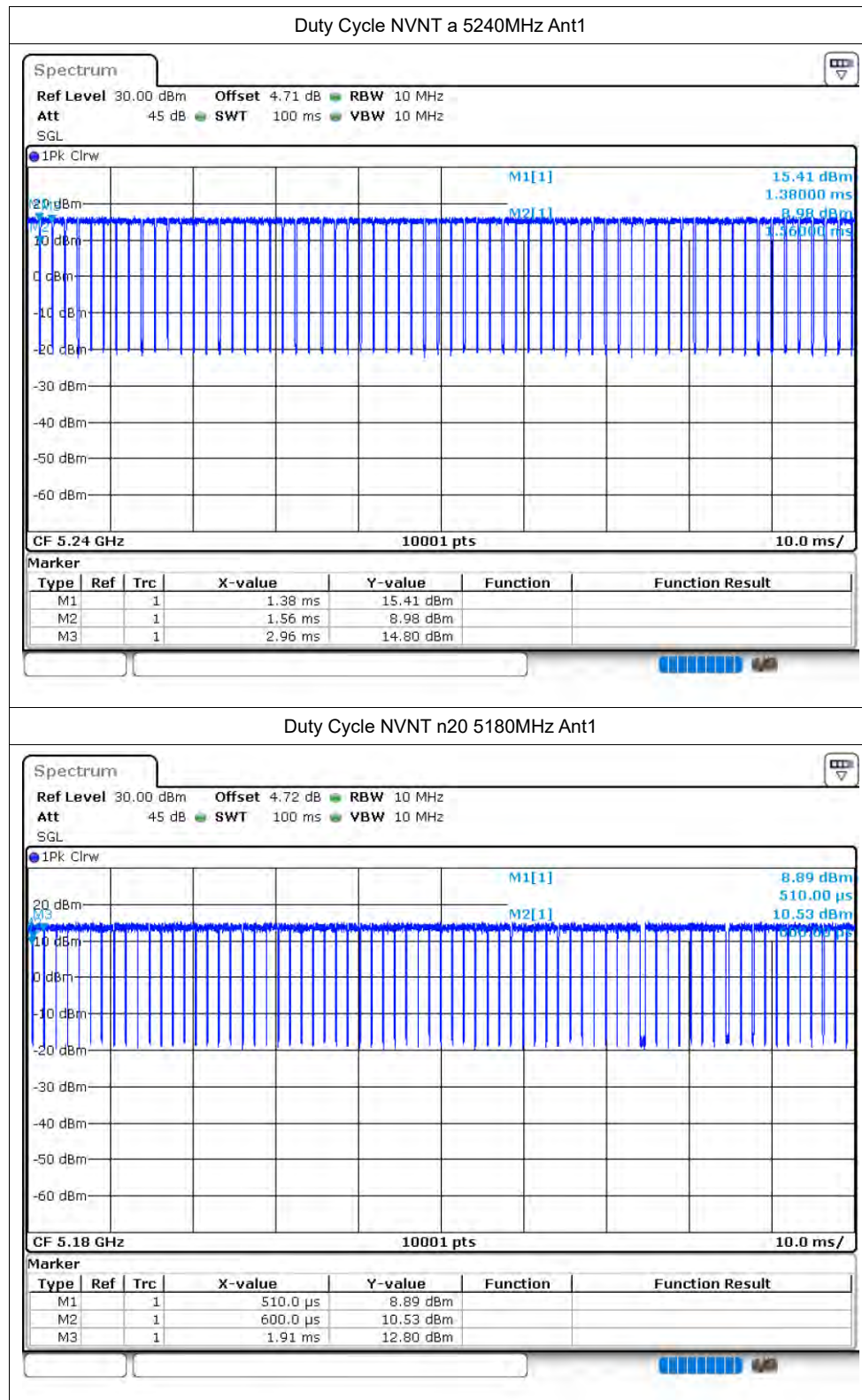
Test Graphs

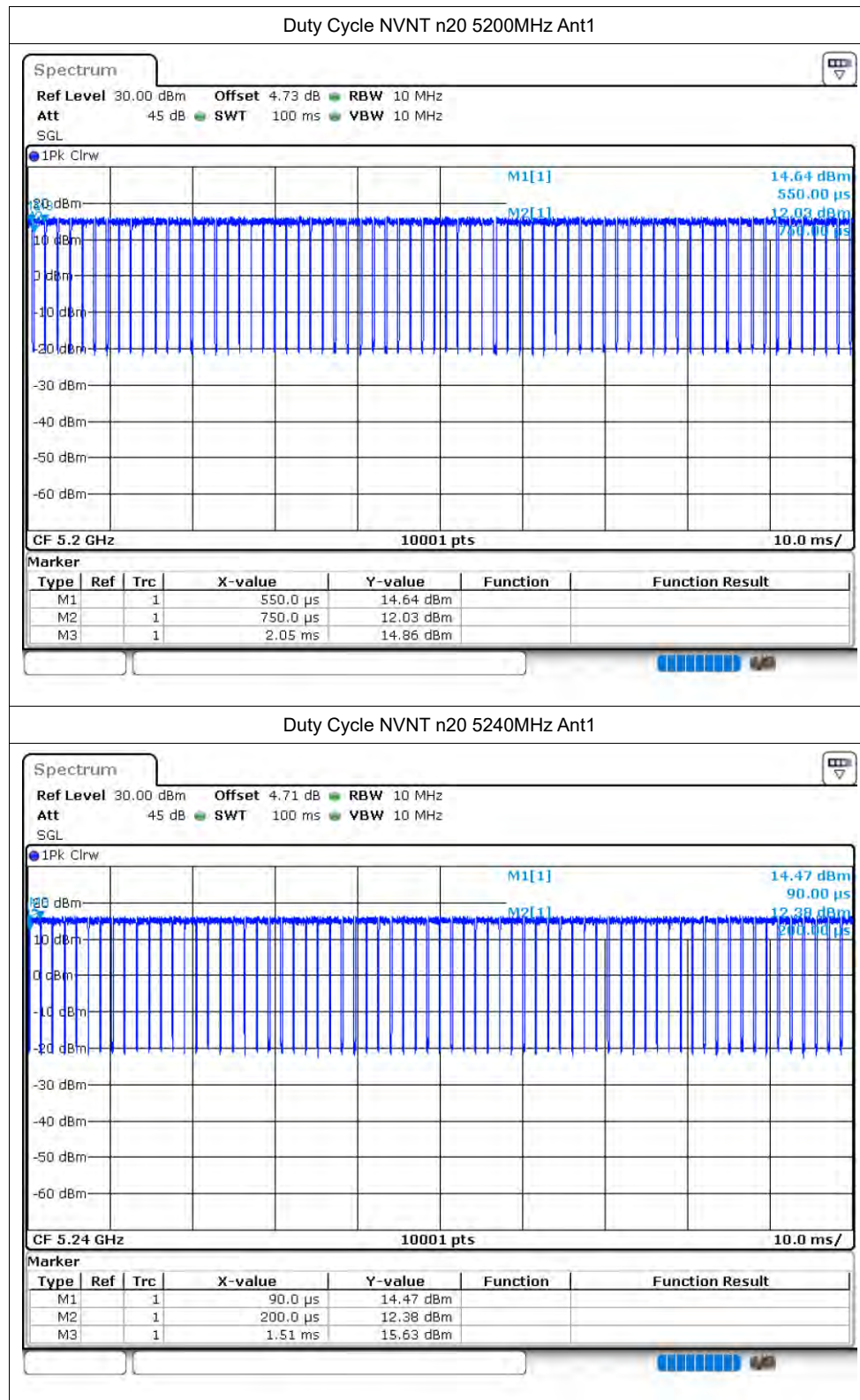
Duty Cycle NVNT a 5180MHz Ant1



Duty Cycle NVNT a 5200MHz Ant1



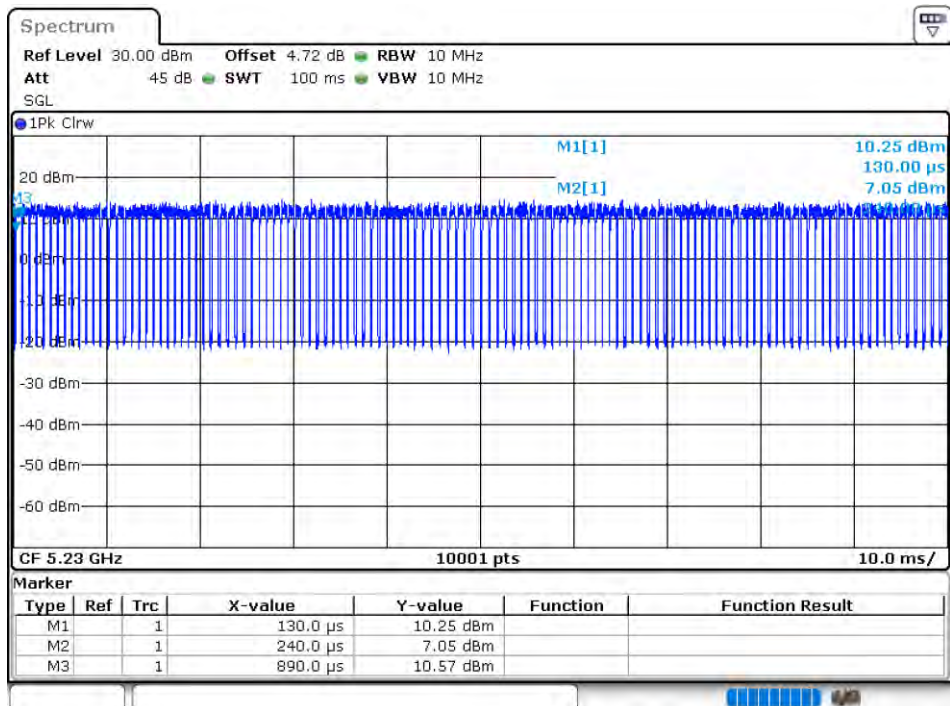




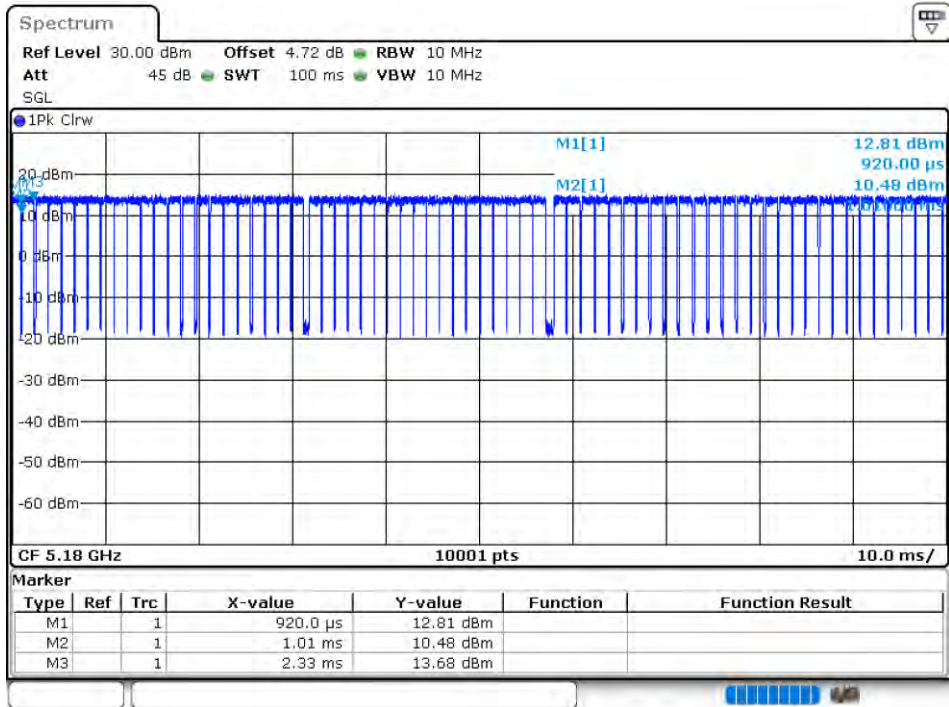
Duty Cycle NVNT n40 5190MHz Ant1



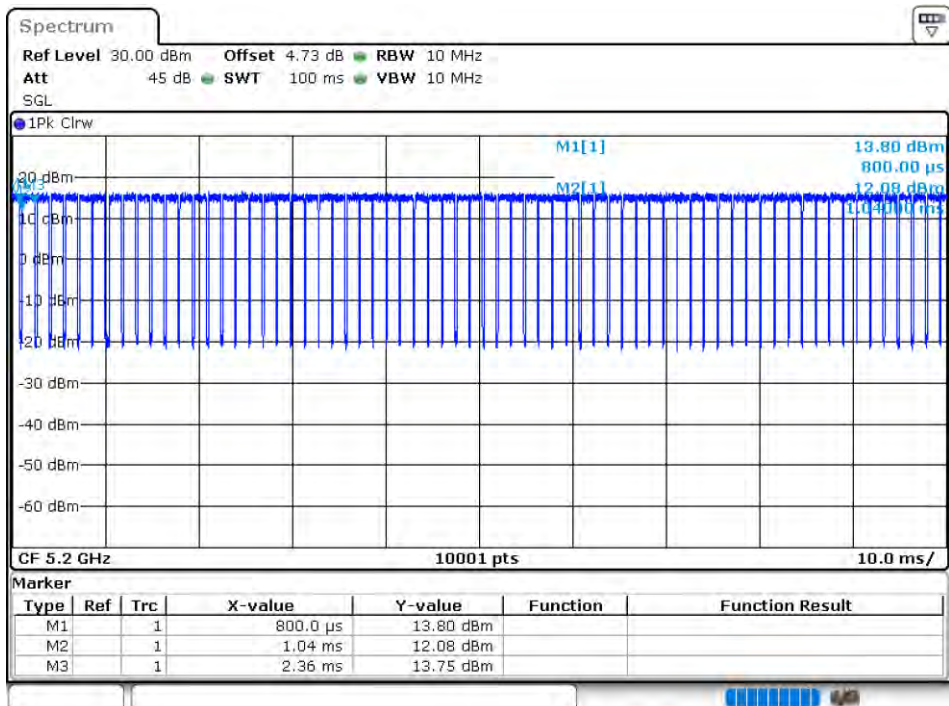
Duty Cycle NVNT n40 5230MHz Ant1



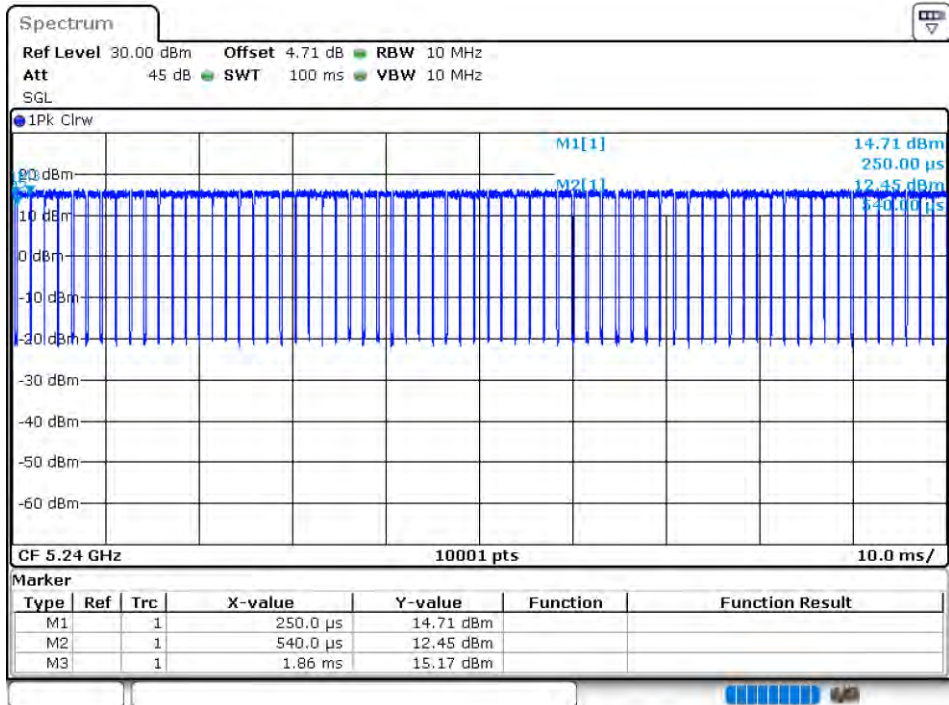
Duty Cycle NVNT ac20 5180MHz Ant1



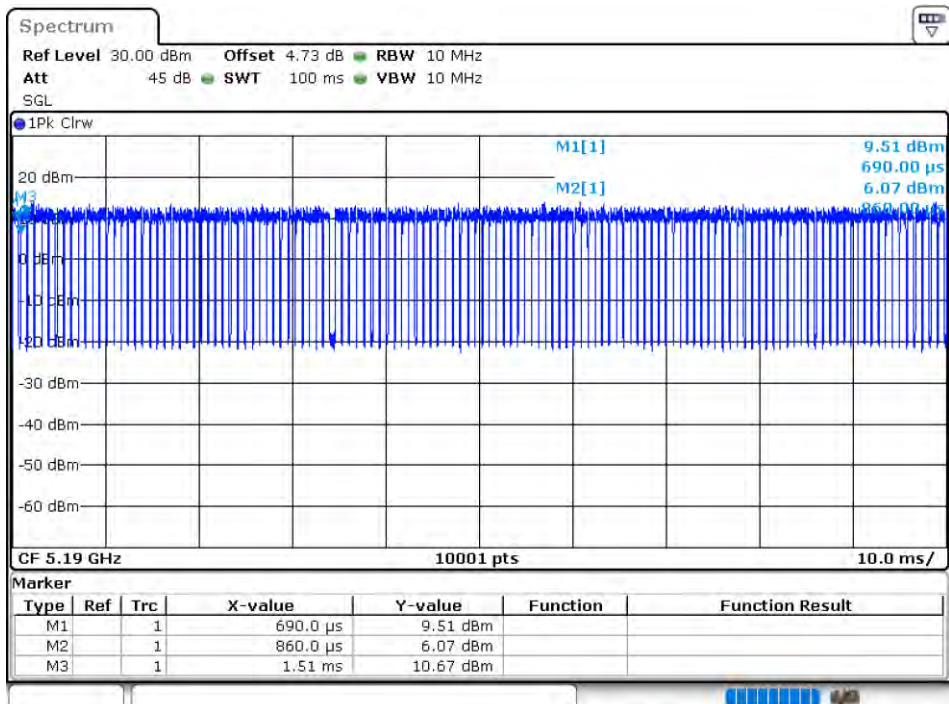
Duty Cycle NVNT ac20 5200MHz Ant1



Duty Cycle NVNT ac20 5240MHz Ant1

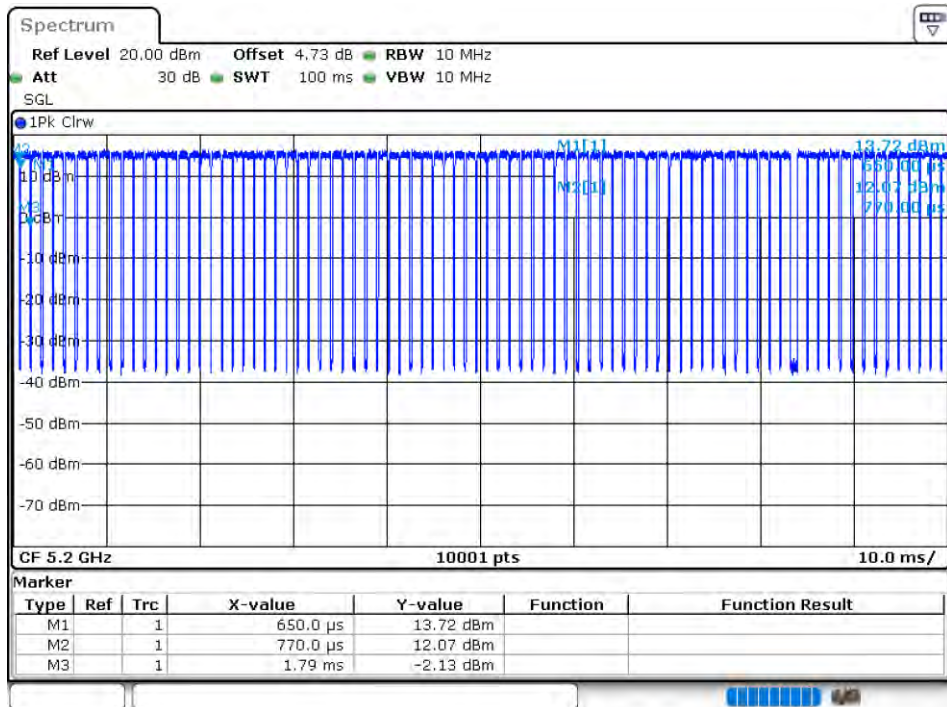


Duty Cycle NVNT ac40 5190MHz Ant1

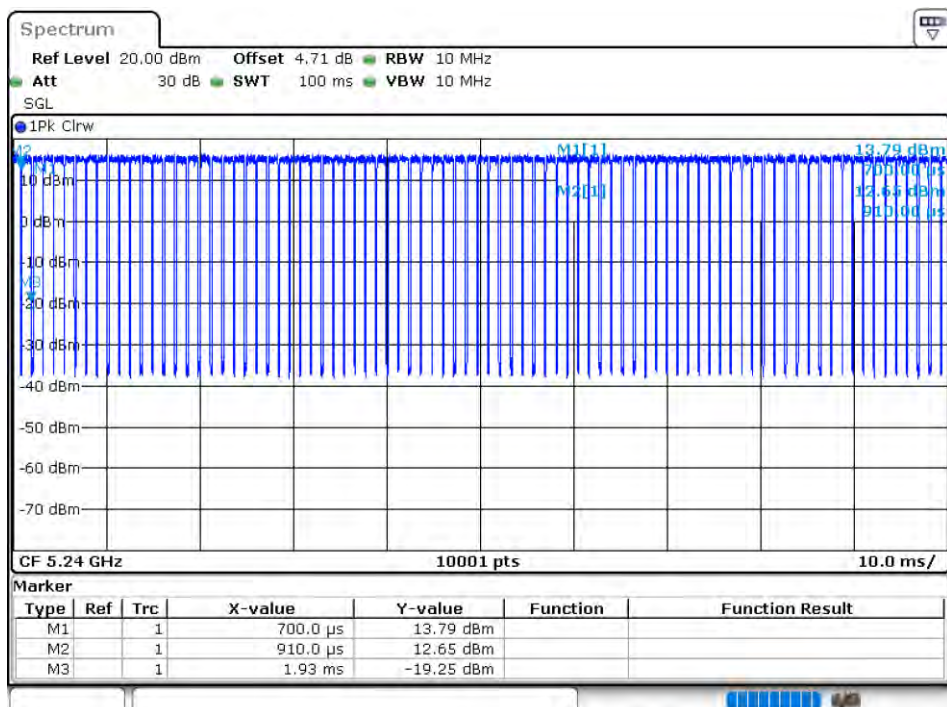




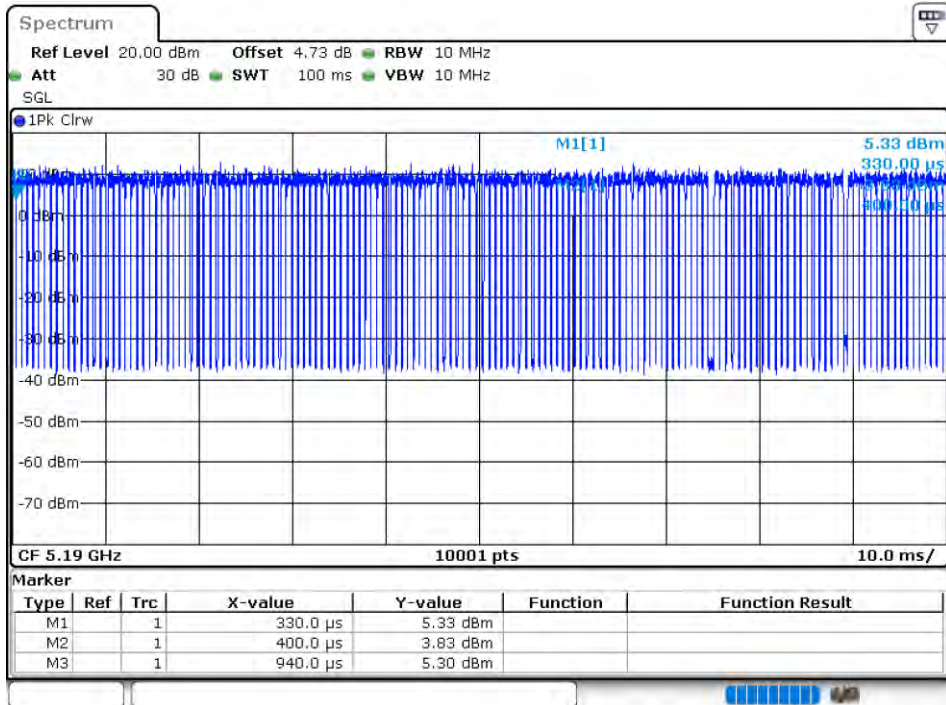
Duty Cycle NVNT ax20 5200MHz Ant1



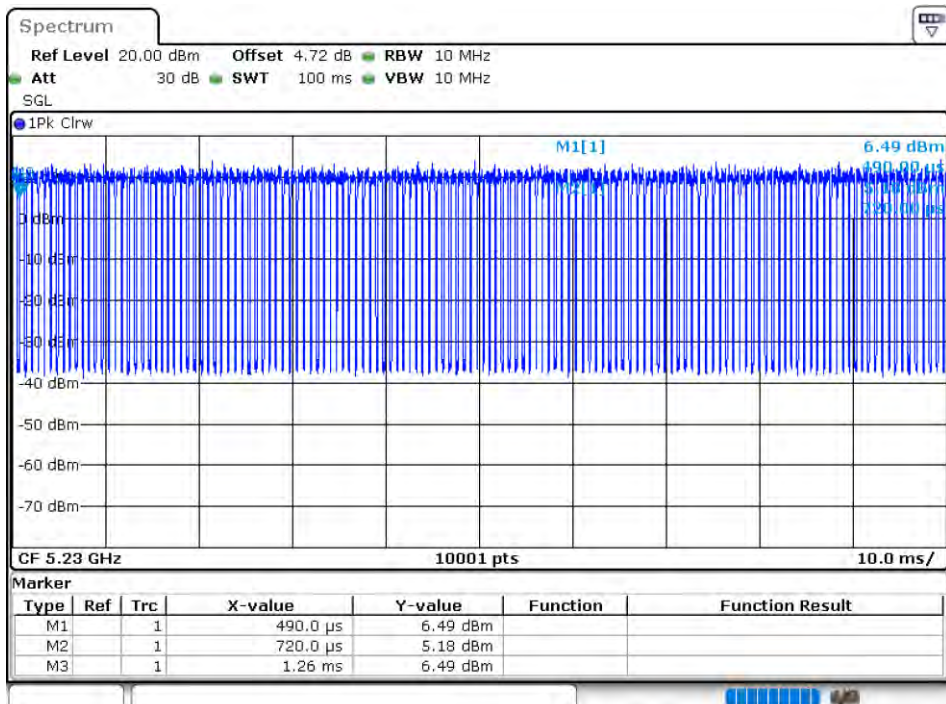
Duty Cycle NVNT ax20 5240MHz Ant1



Duty Cycle NVNT ax40 5190MHz Ant1



Duty Cycle NVNT ax40 5230MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.62	24	Pass
NVNT	a	5200	Ant1	10.68	24	Pass
NVNT	a	5240	Ant1	11.66	24	Pass
NVNT	n20	5180	Ant1	10.37	24	Pass
NVNT	n20	5200	Ant1	10.78	24	Pass
NVNT	n20	5240	Ant1	11.78	24	Pass
NVNT	n40	5190	Ant1	8.7	24	Pass
NVNT	n40	5230	Ant1	9.78	24	Pass
NVNT	ac20	5180	Ant1	10.37	24	Pass
NVNT	ac20	5200	Ant1	10.85	24	Pass
NVNT	ac20	5240	Ant1	11.78	24	Pass
NVNT	ac40	5190	Ant1	8.67	24	Pass
NVNT	ac40	5230	Ant1	9.57	24	Pass
NVNT	ax20	5180	Ant1	10.51	24	Pass
NVNT	ax20	5200	Ant1	10.84	24	Pass
NVNT	ax20	5240	Ant1	11.75	24	Pass
NVNT	ax40	5190	Ant1	6.86	24	Pass
NVNT	ax40	5230	Ant1	7.9	24	Pass

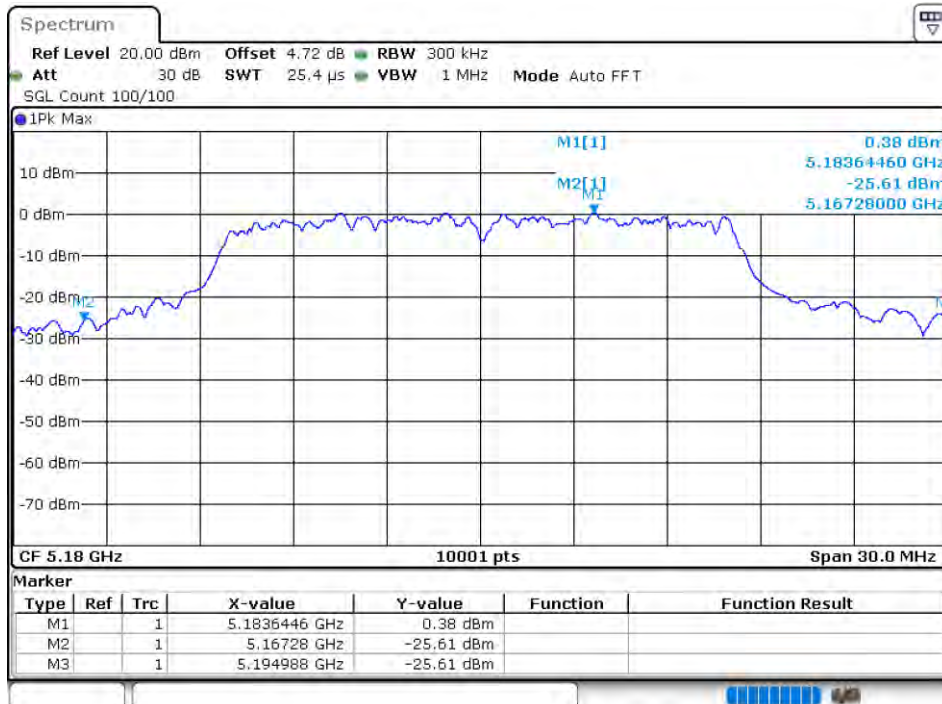
Note: The AVG power has contained duty factor

-26dB Bandwidth

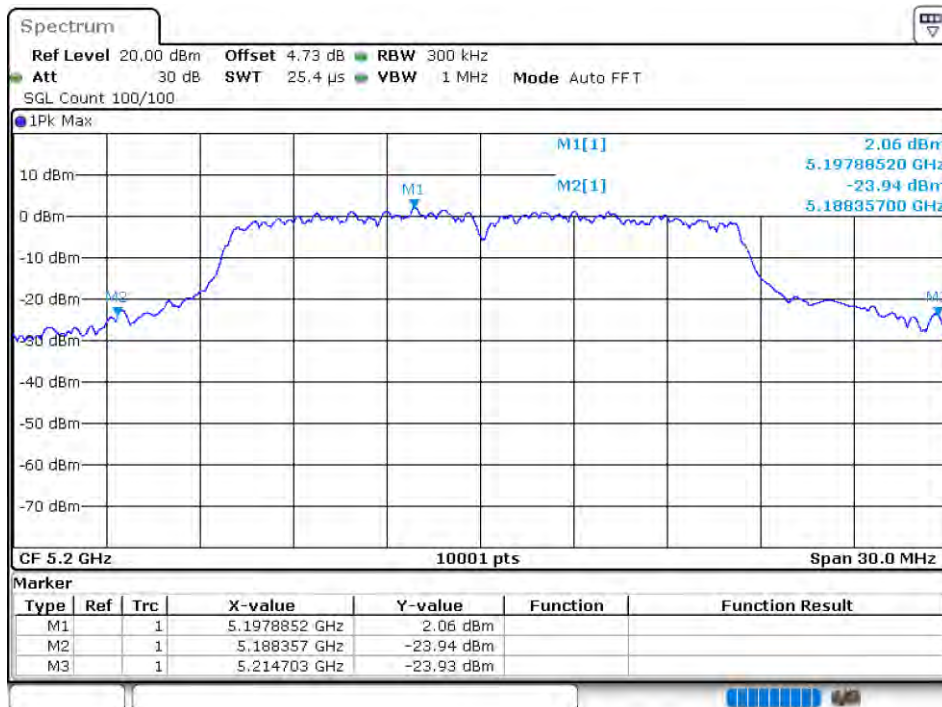
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	27.708	Pass
NVNT	a	5200	Ant1	26.346	Pass
NVNT	a	5240	Ant1	26.442	Pass
NVNT	n20	5180	Ant1	27.012	Pass
NVNT	n20	5200	Ant1	28.893	Pass
NVNT	n20	5240	Ant1	27.852	Pass
NVNT	n40	5190	Ant1	51.66	Pass
NVNT	n40	5230	Ant1	51.72	Pass
NVNT	ac20	5180	Ant1	27.825	Pass
NVNT	ac20	5200	Ant1	26.814	Pass
NVNT	ac20	5240	Ant1	27.912	Pass
NVNT	ac40	5190	Ant1	51.396	Pass
NVNT	ac40	5230	Ant1	53.106	Pass
NVNT	ax20	5180	Ant1	24.822	Pass
NVNT	ax20	5200	Ant1	26.751	Pass
NVNT	ax20	5240	Ant1	26.823	Pass
NVNT	ax40	5190	Ant1	45.24	Pass
NVNT	ax40	5230	Ant1	44.898	Pass

Test Graphs

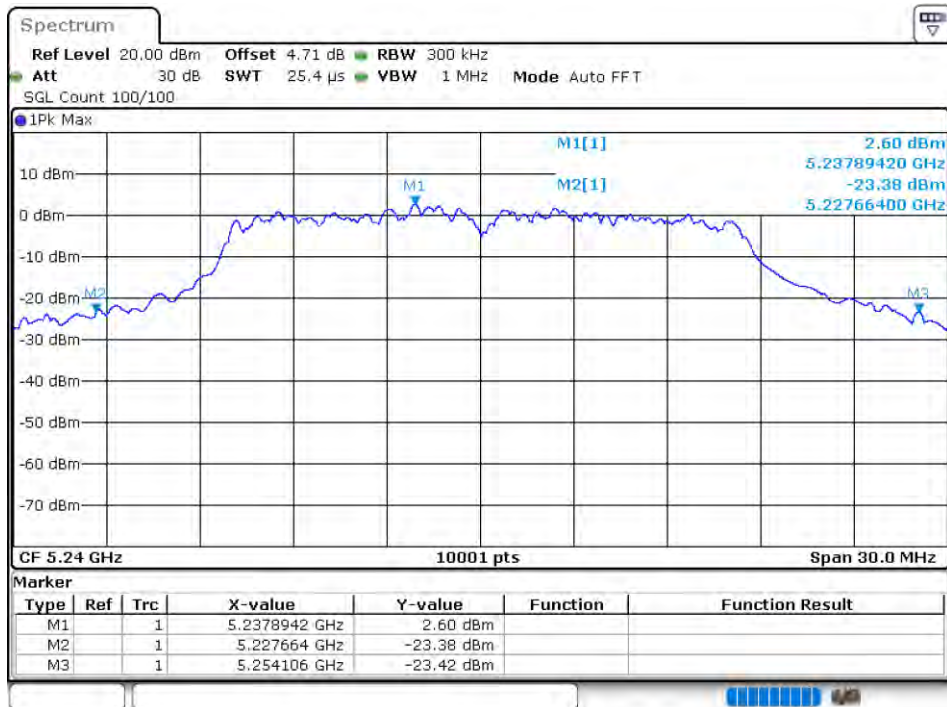
-26dB Bandwidth NVNT a 5180MHz Ant1



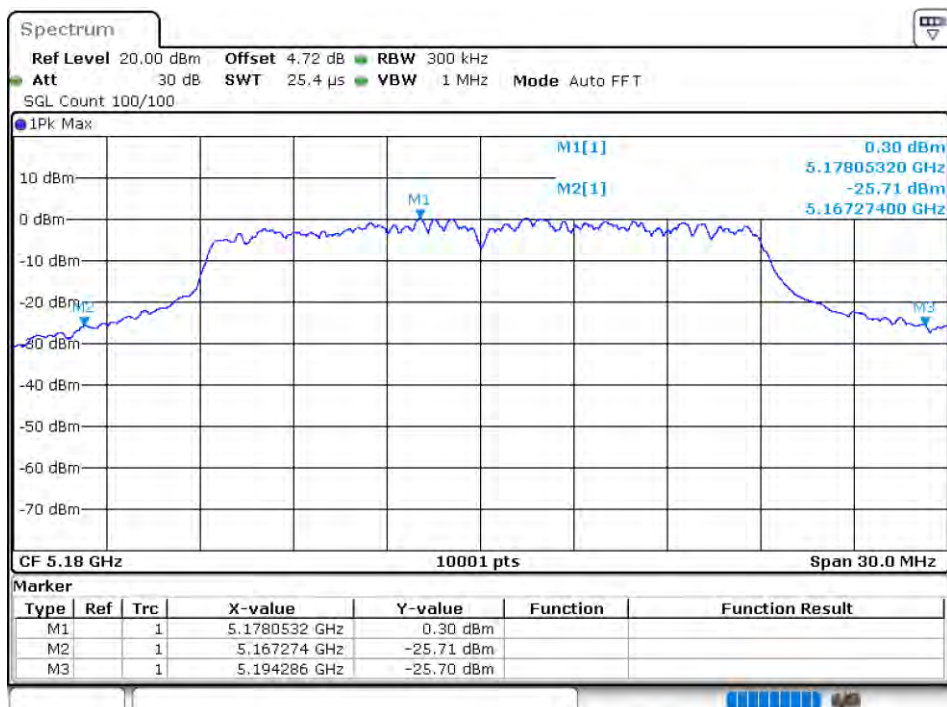
-26dB Bandwidth NVNT a 5200MHz Ant1



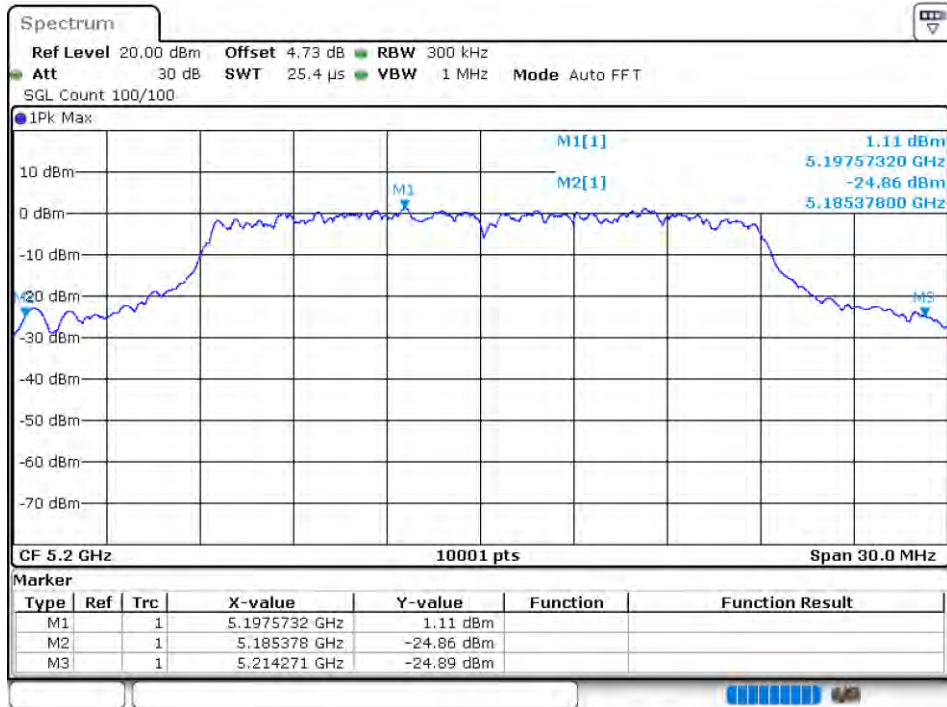
-26dB Bandwidth NVNT a 5240MHz Ant1



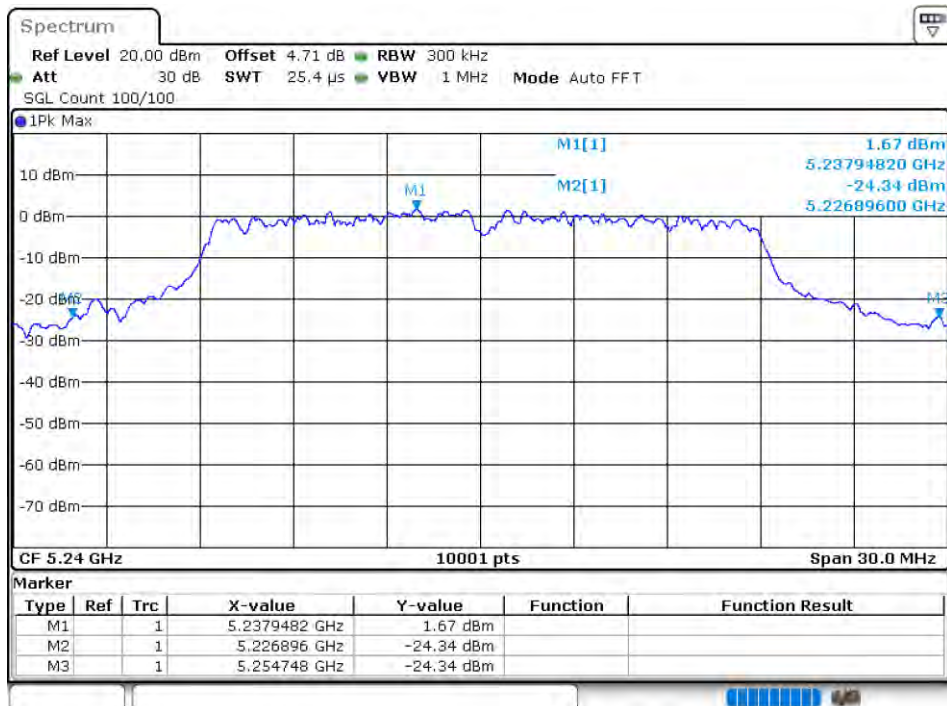
-26dB Bandwidth NVNT n20 5180MHz Ant1



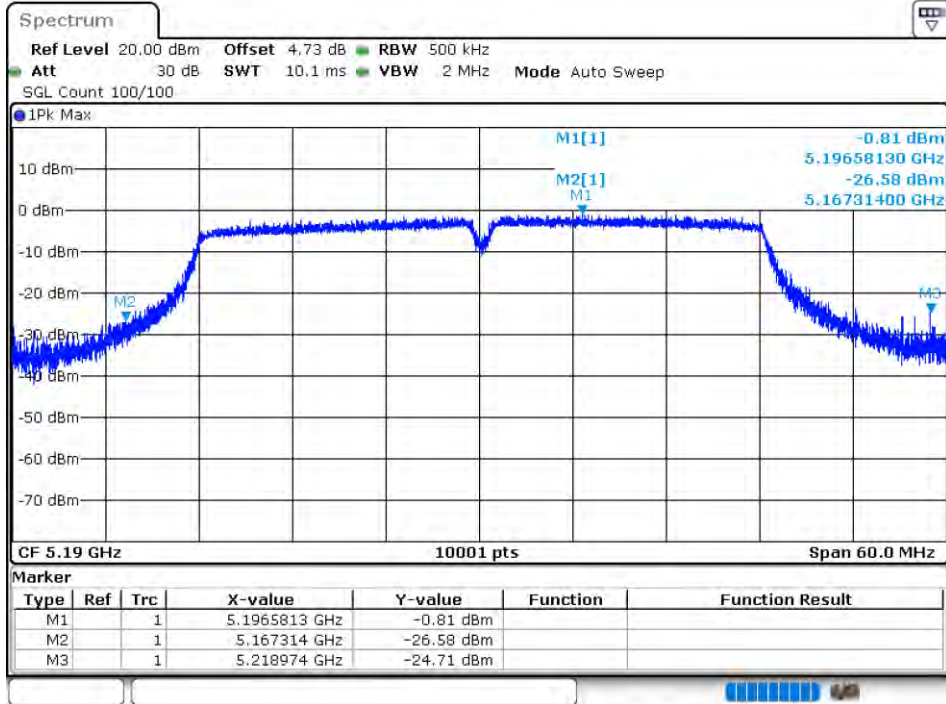
-26dB Bandwidth NVNT n20 5200MHz Ant1



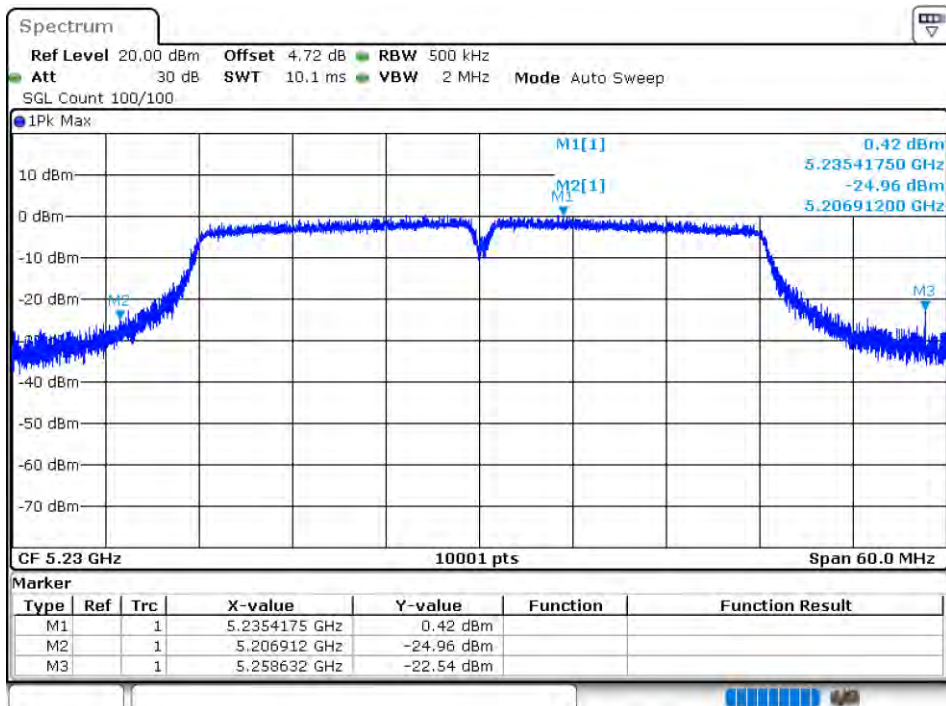
-26dB Bandwidth NVNT n20 5240MHz Ant1



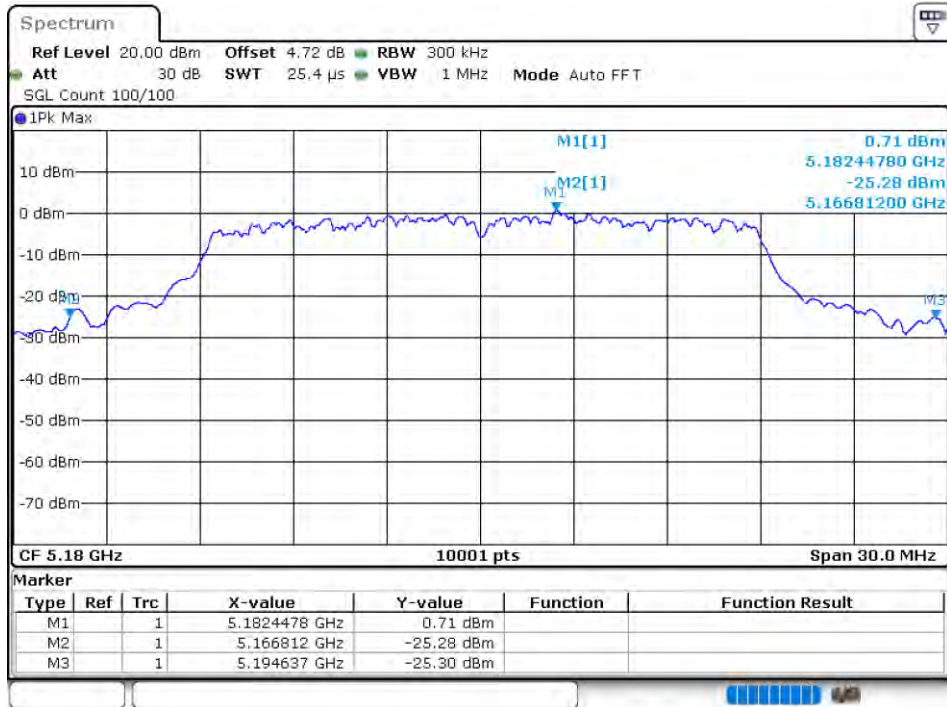
-26dB Bandwidth NVNT n40 5190MHz Ant1



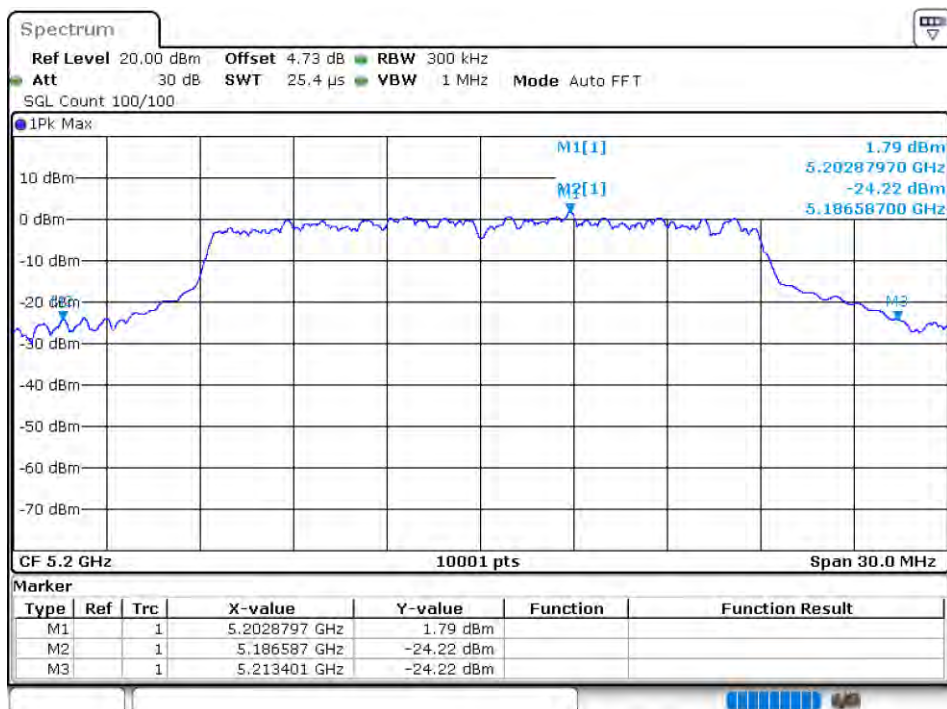
-26dB Bandwidth NVNT n40 5230MHz Ant1



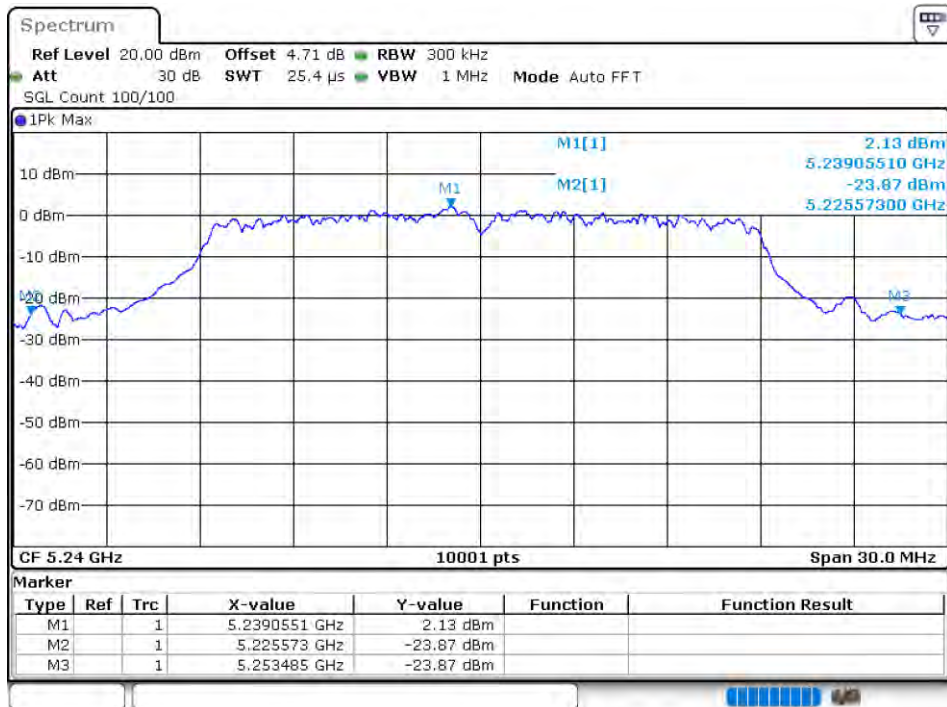
-26dB Bandwidth NVNT ac20 5180MHz Ant1



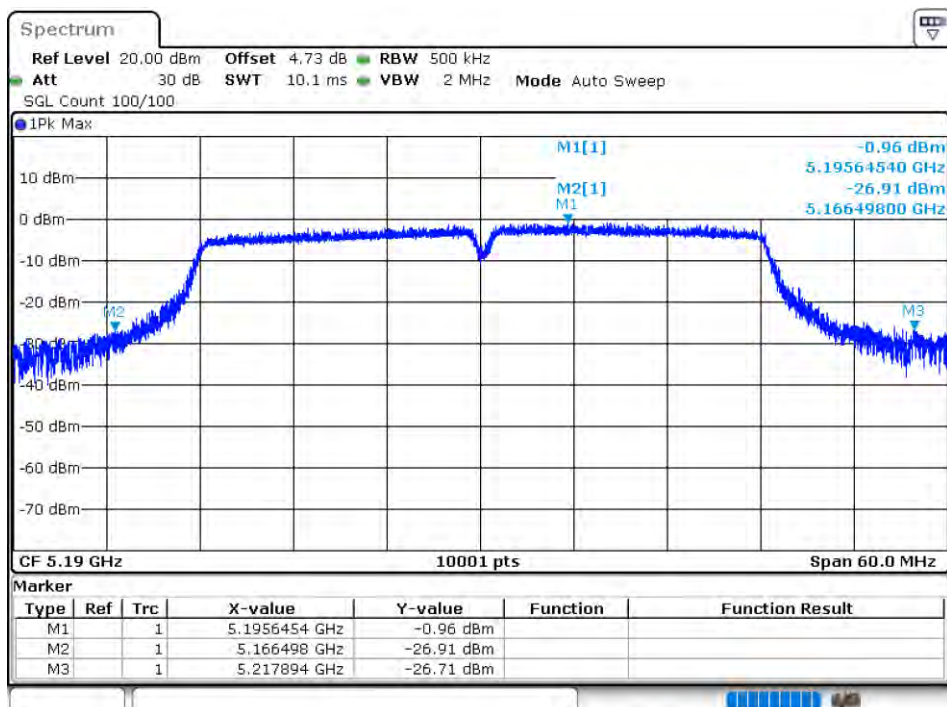
-26dB Bandwidth NVNT ac20 5200MHz Ant1



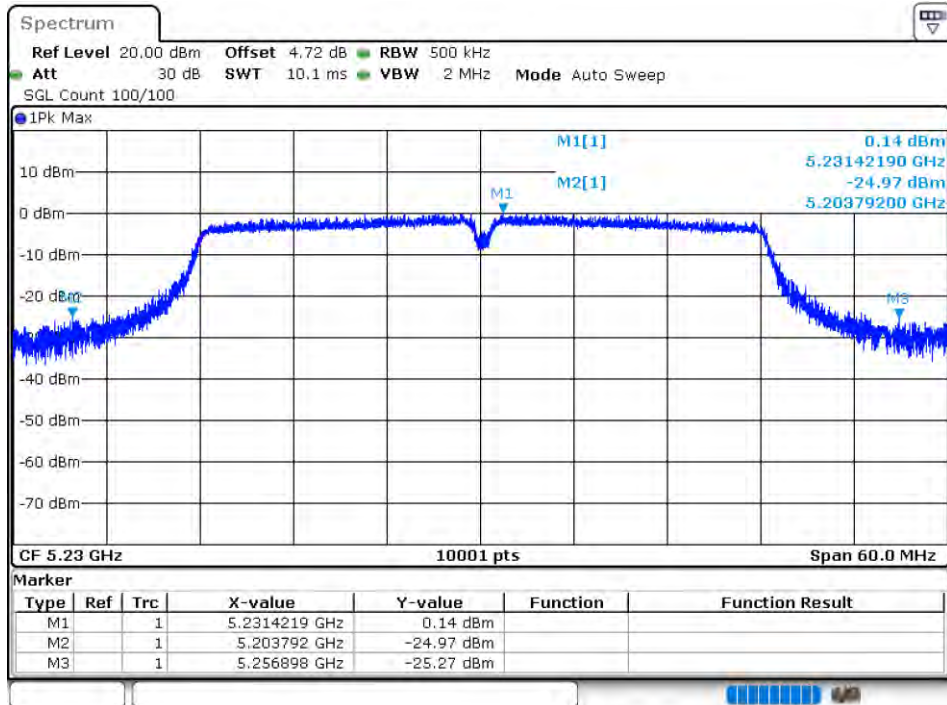
-26dB Bandwidth NVNT ac20 5240MHz Ant1



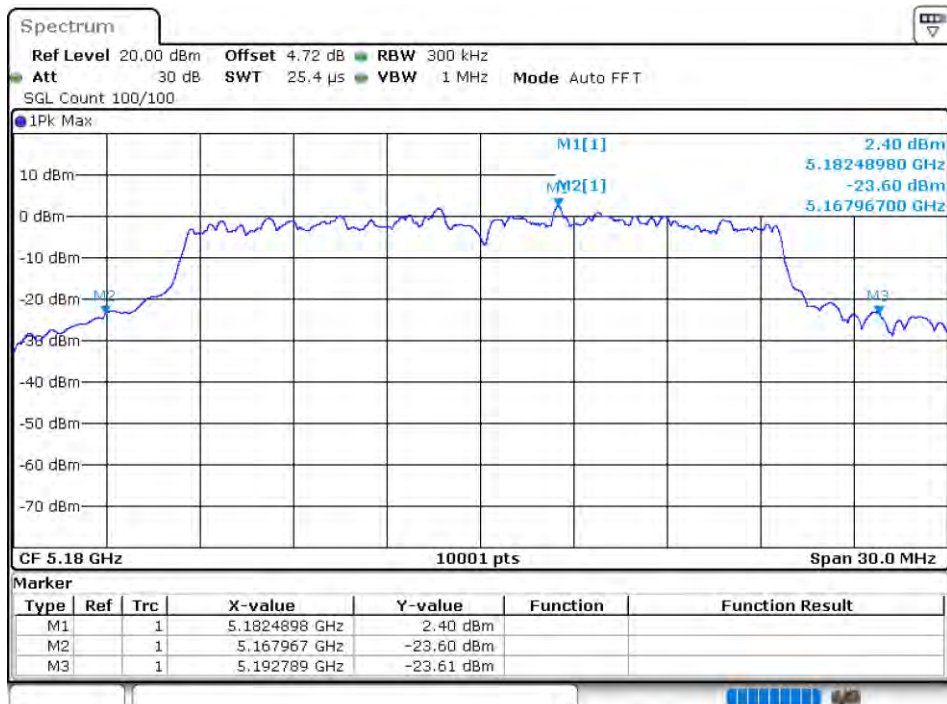
-26dB Bandwidth NVNT ac40 5190MHz Ant1



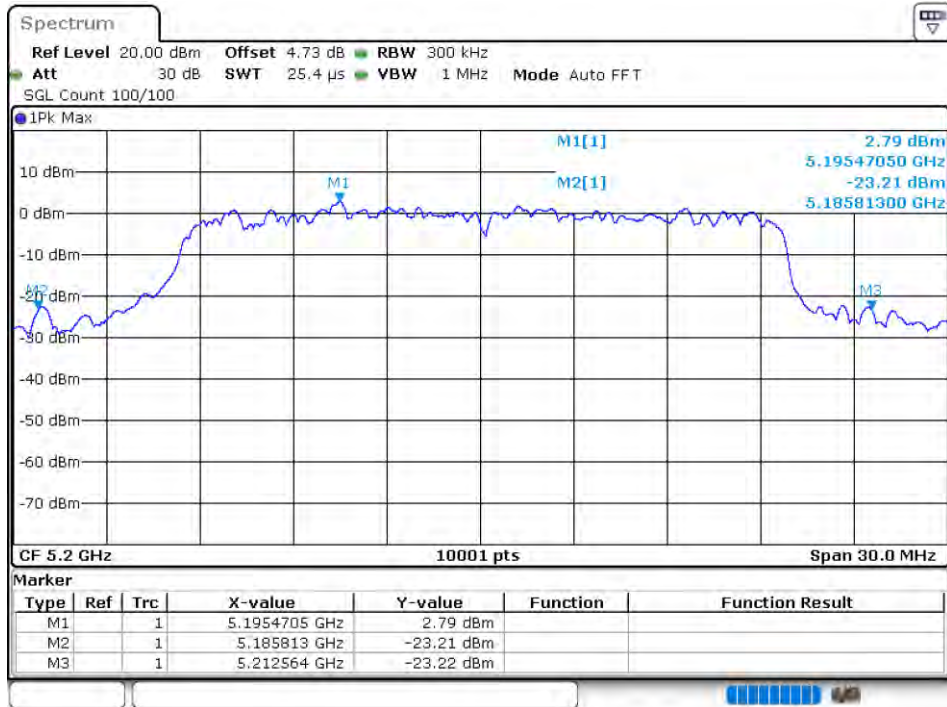
-26dB Bandwidth NVNT ac40 5230MHz Ant1



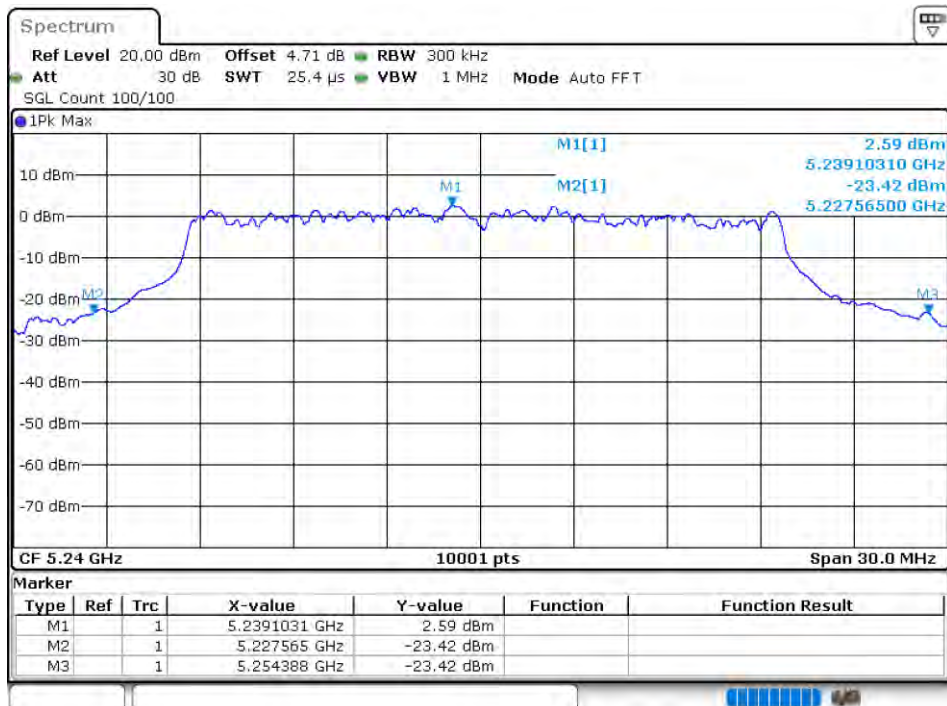
-26dB Bandwidth NVNT ax20 5180MHz Ant1



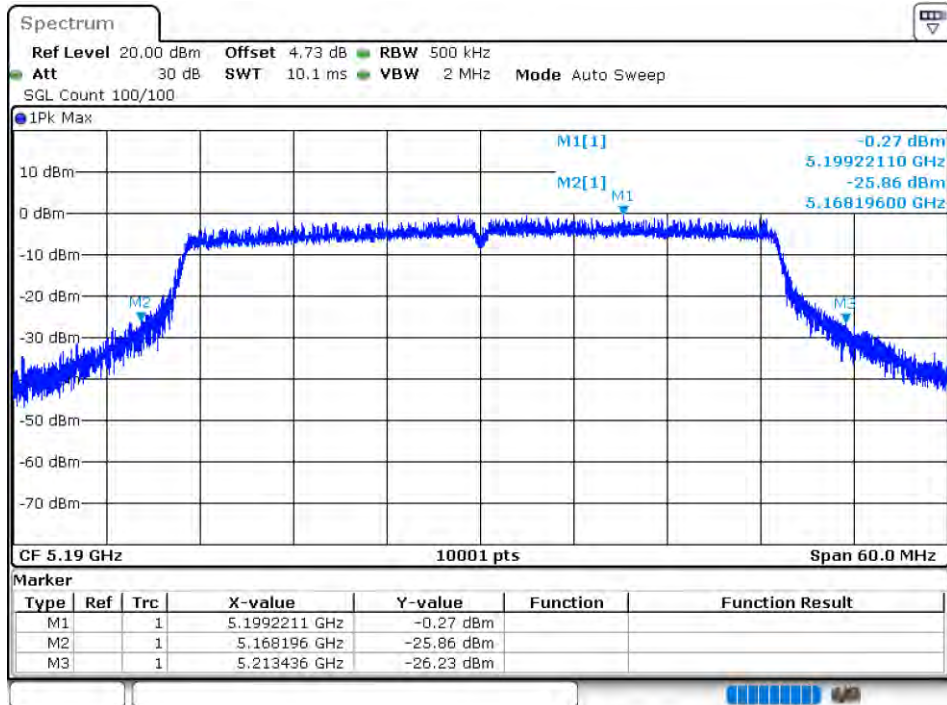
-26dB Bandwidth NVNT ax20 5200MHz Ant1



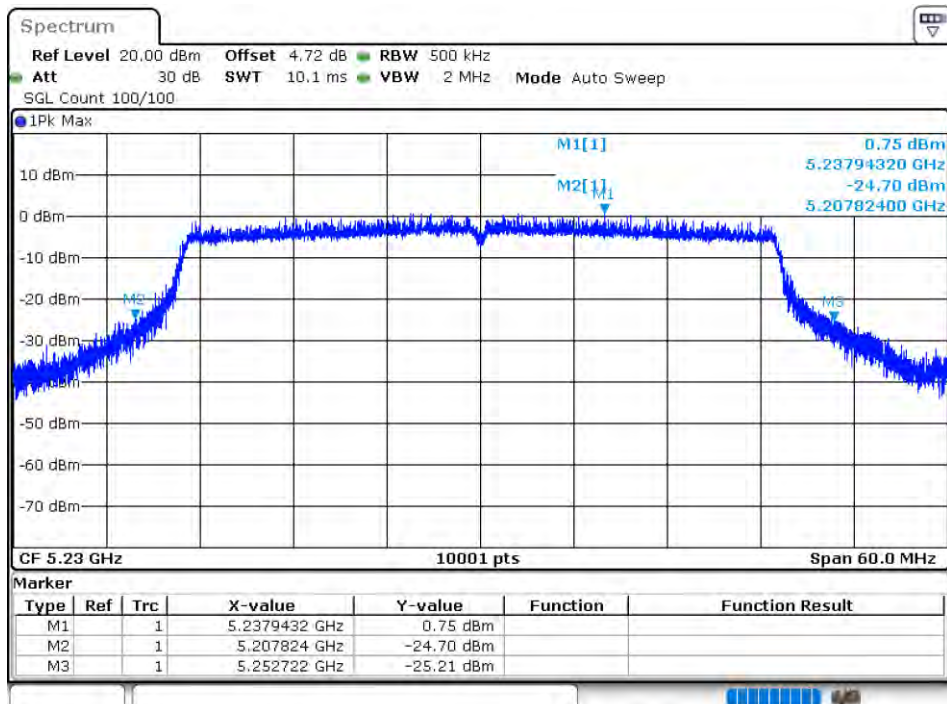
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1



Occupied Channel Bandwidth

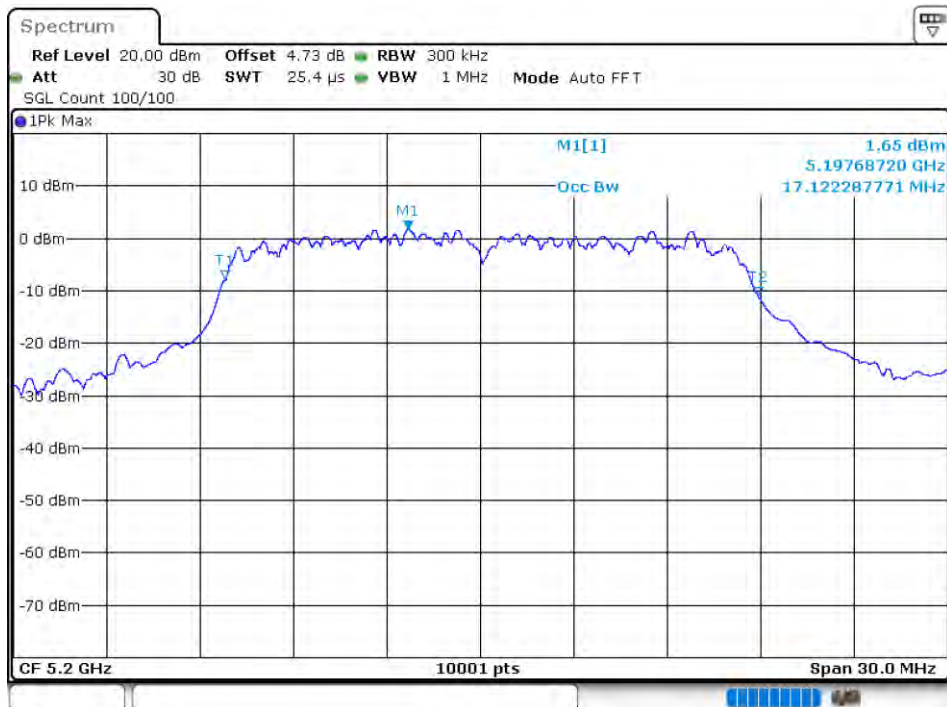
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.675
NVNT	a	5200	Ant1	17.122
NVNT	a	5240	Ant1	16.912
NVNT	n20	5180	Ant1	17.902
NVNT	n20	5200	Ant1	18.169
NVNT	n20	5240	Ant1	17.983
NVNT	n40	5190	Ant1	36.548
NVNT	n40	5230	Ant1	36.536
NVNT	ac20	5180	Ant1	17.956
NVNT	ac20	5200	Ant1	18.091
NVNT	ac20	5240	Ant1	18.037
NVNT	ac40	5190	Ant1	36.584
NVNT	ac40	5230	Ant1	36.584
NVNT	ax20	5180	Ant1	19.123
NVNT	ax20	5200	Ant1	19.081
NVNT	ax20	5240	Ant1	19.015
NVNT	ax40	5190	Ant1	37.97
NVNT	ax40	5230	Ant1	37.934

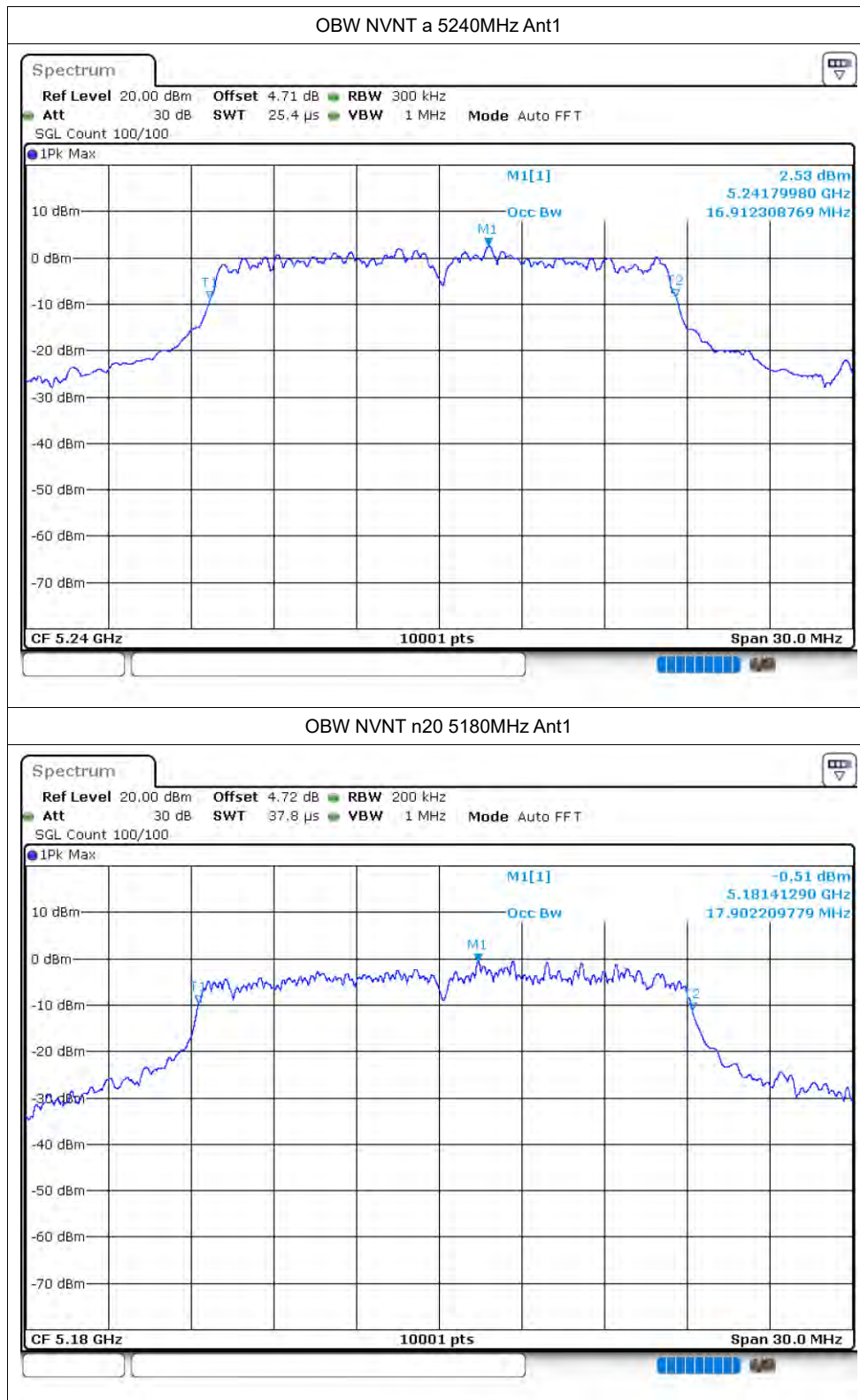
Test Graphs

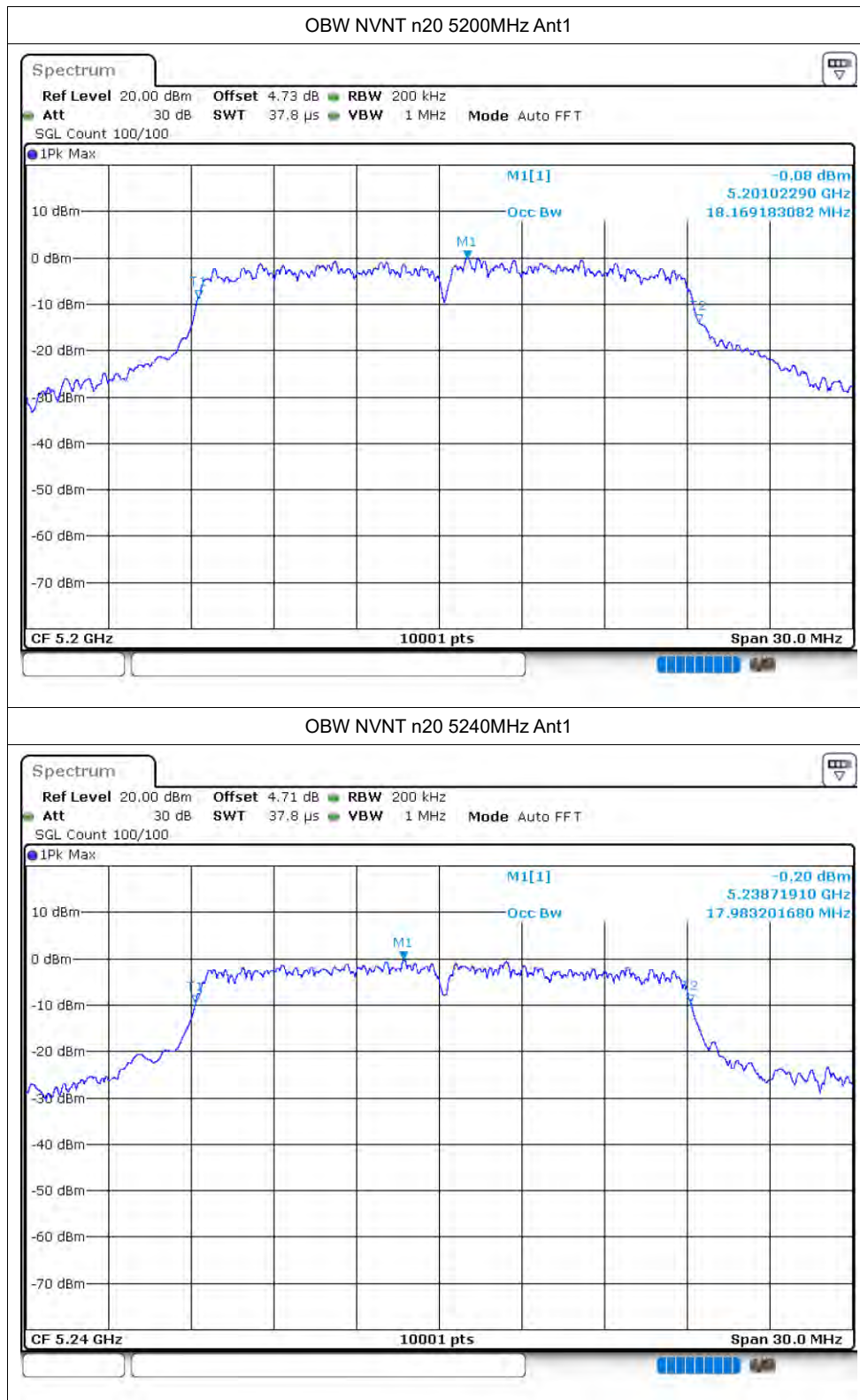
OBW NVNT a 5180MHz Ant1

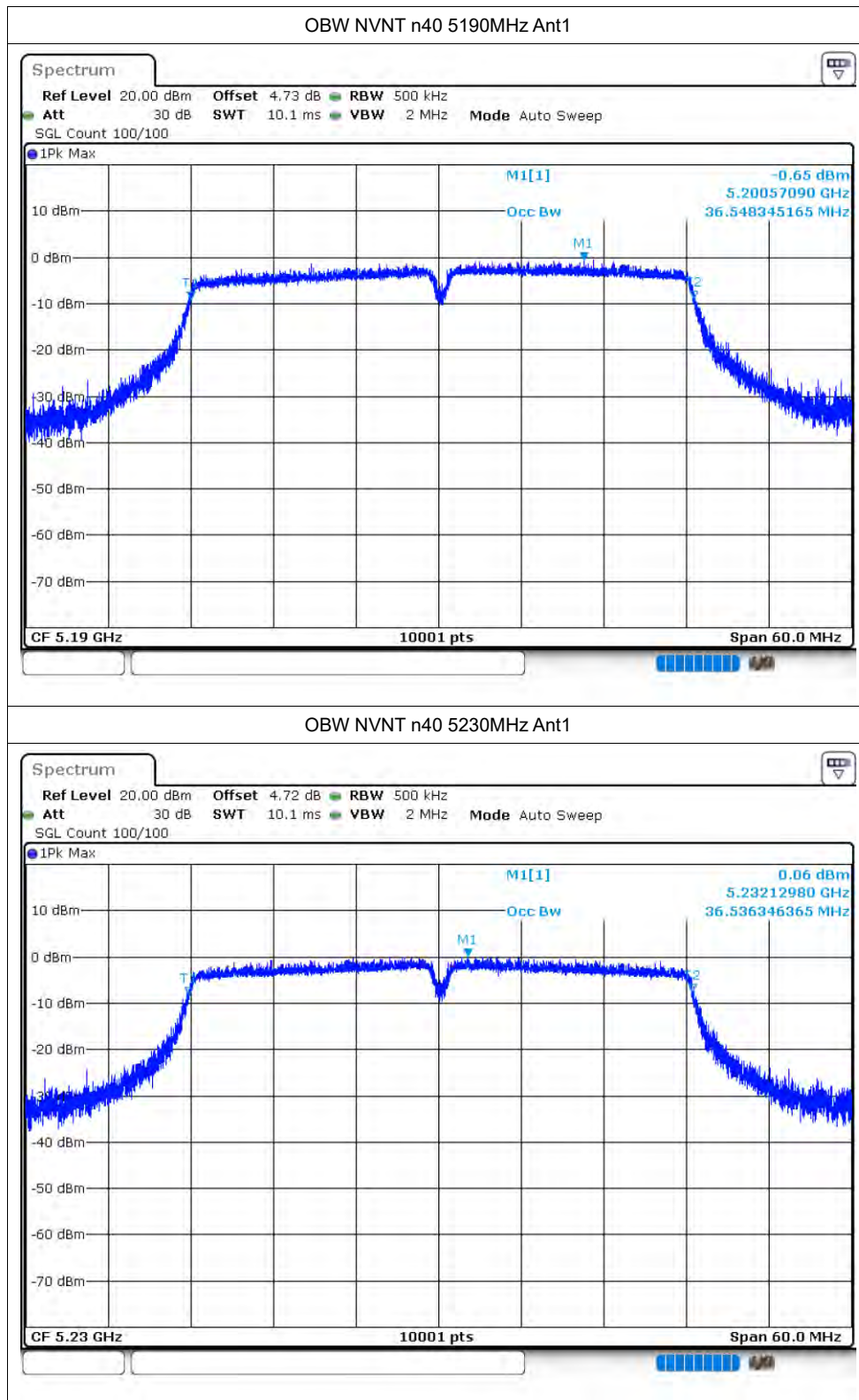


OBW NVNT a 5200MHz Ant1

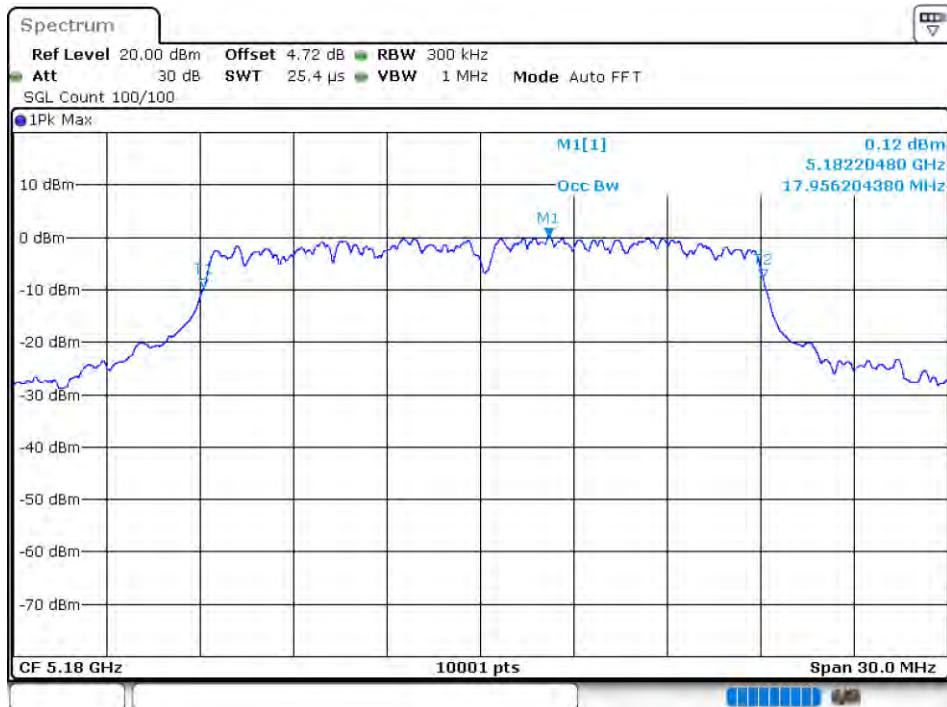




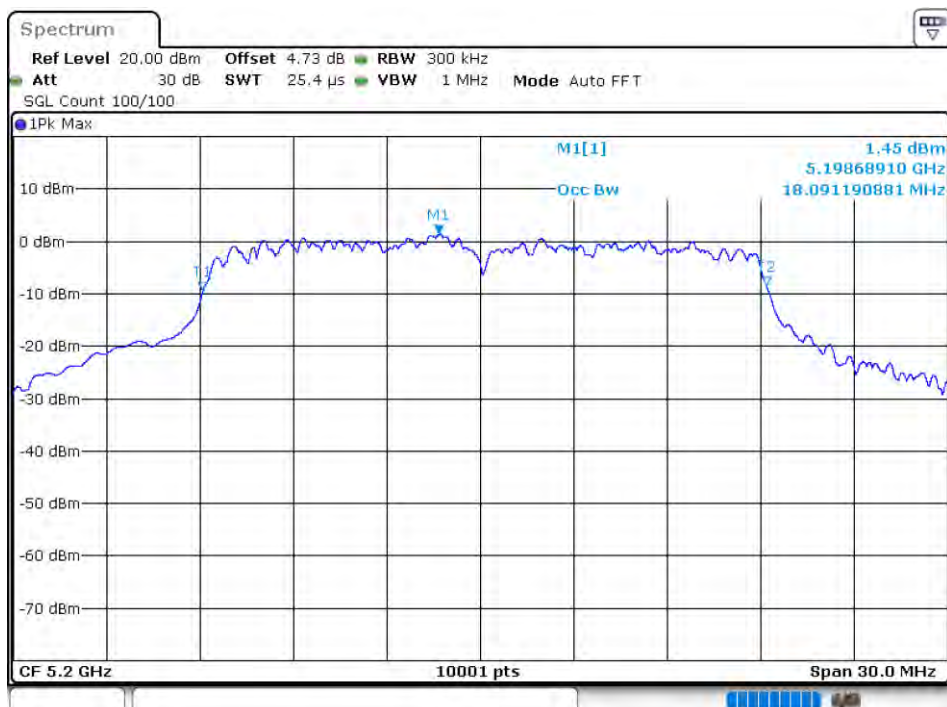




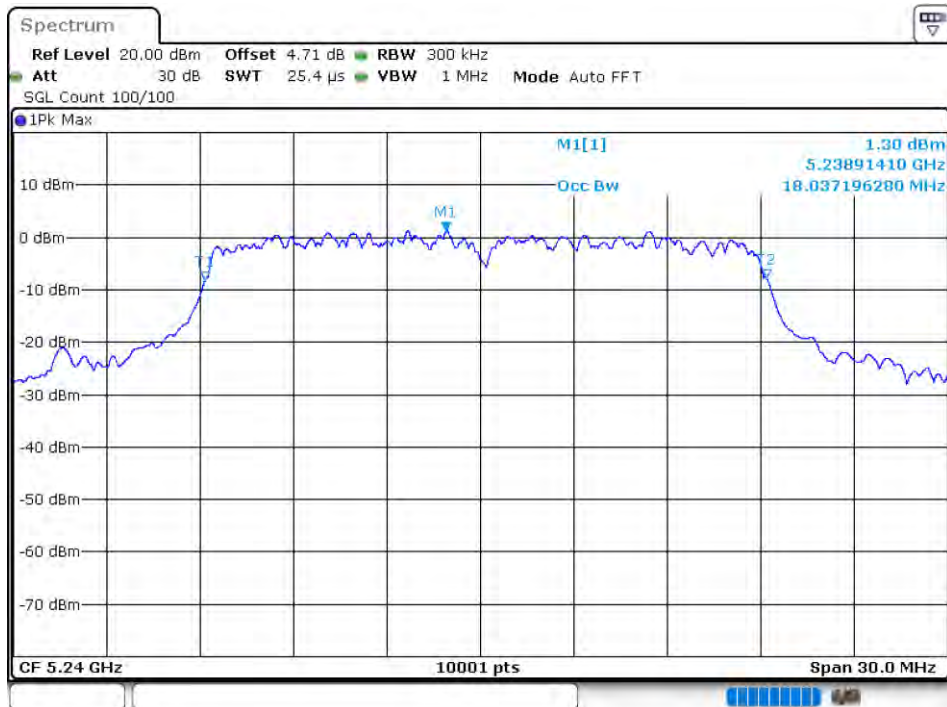
OBW NVNT ac20 5180MHz Ant1



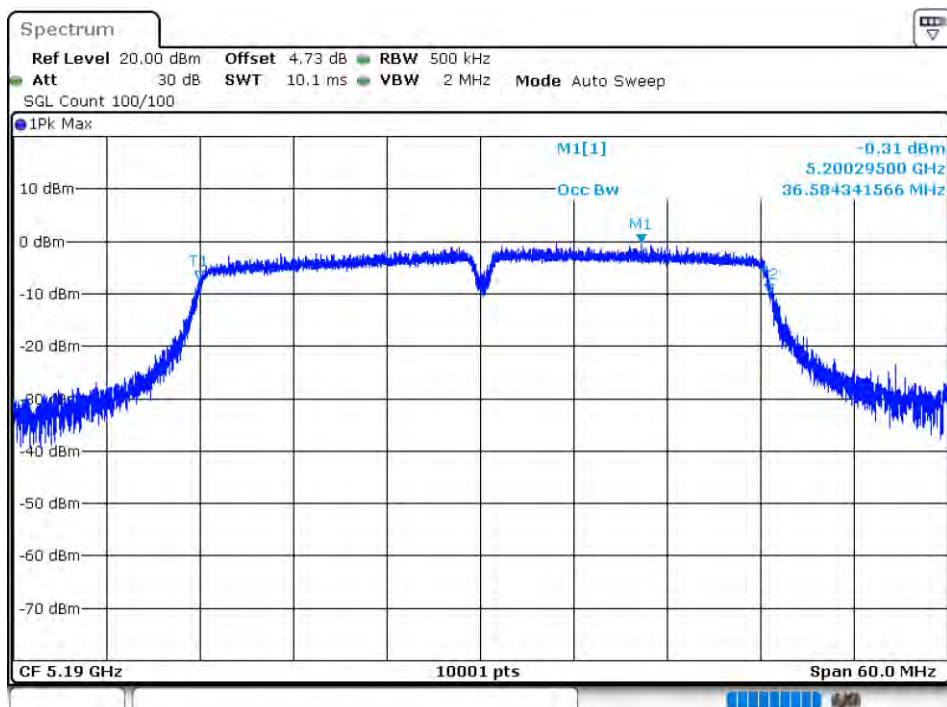
OBW NVNT ac20 5200MHz Ant1



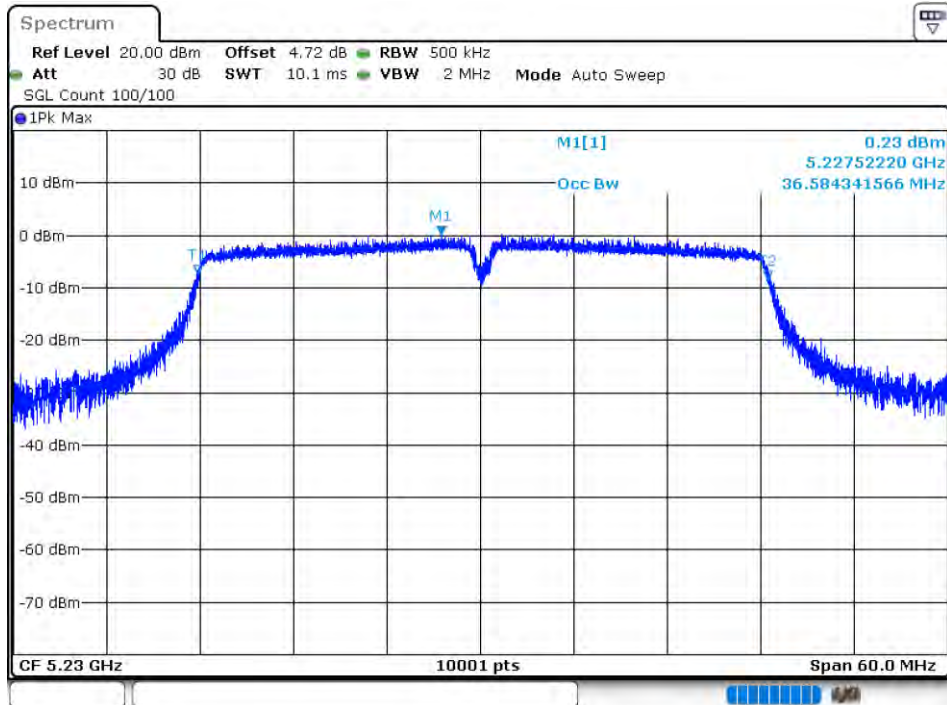
OBW NVNT ac20 5240MHz Ant1



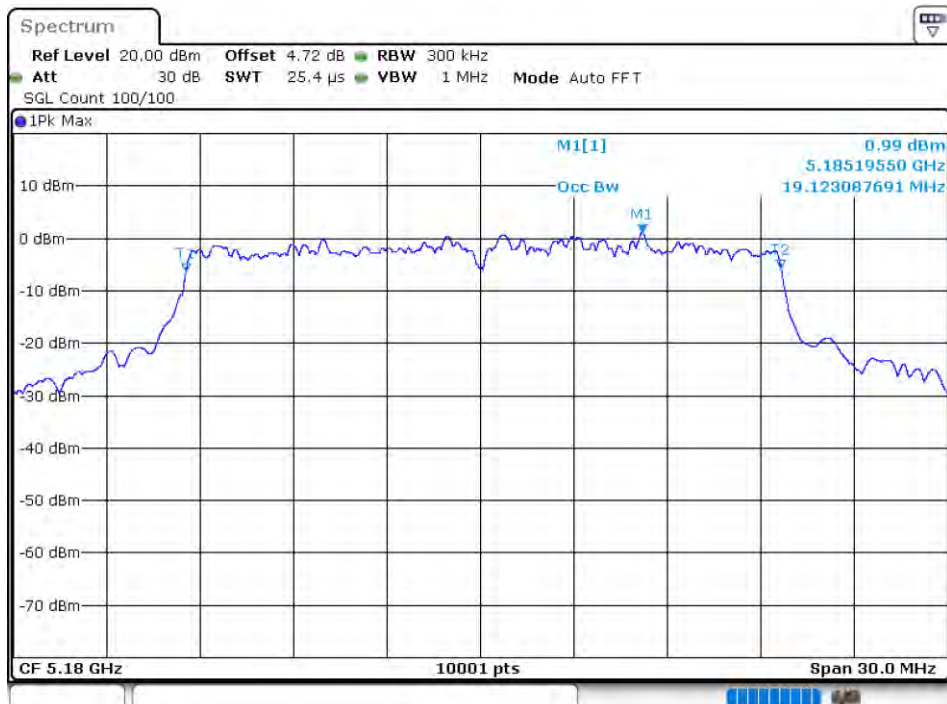
OBW NVNT ac40 5190MHz Ant1



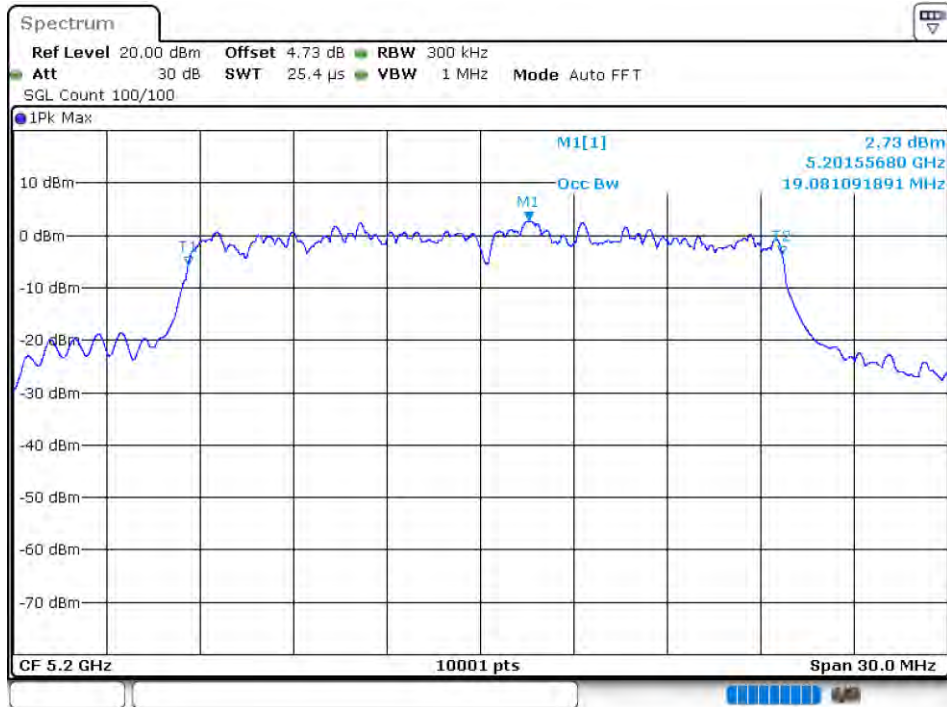
OBW NVNT ac40 5230MHz Ant1



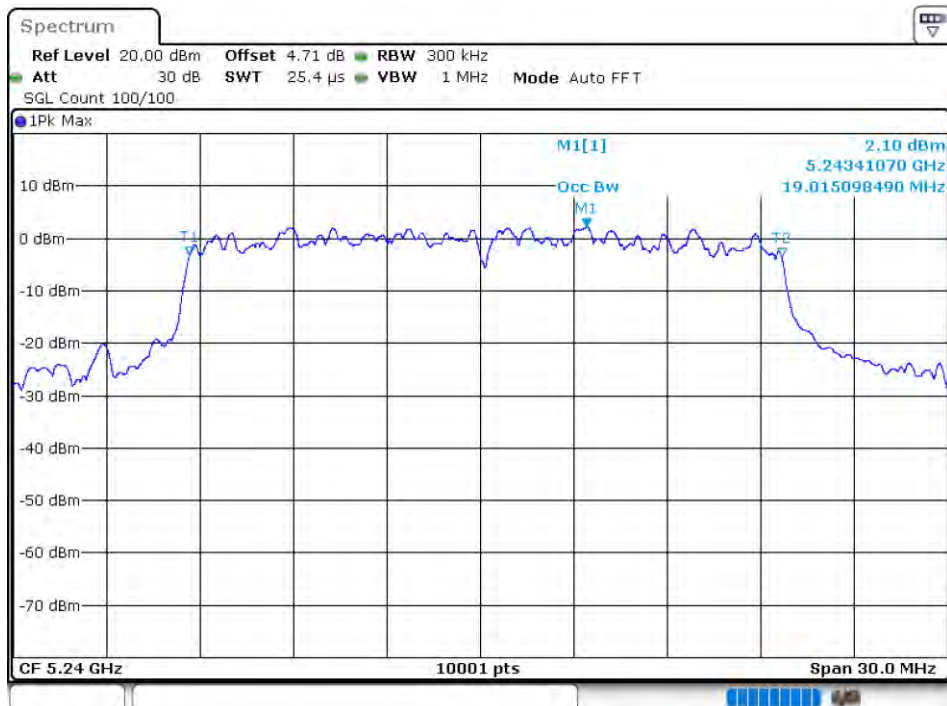
OBW NVNT ax20 5180MHz Ant1



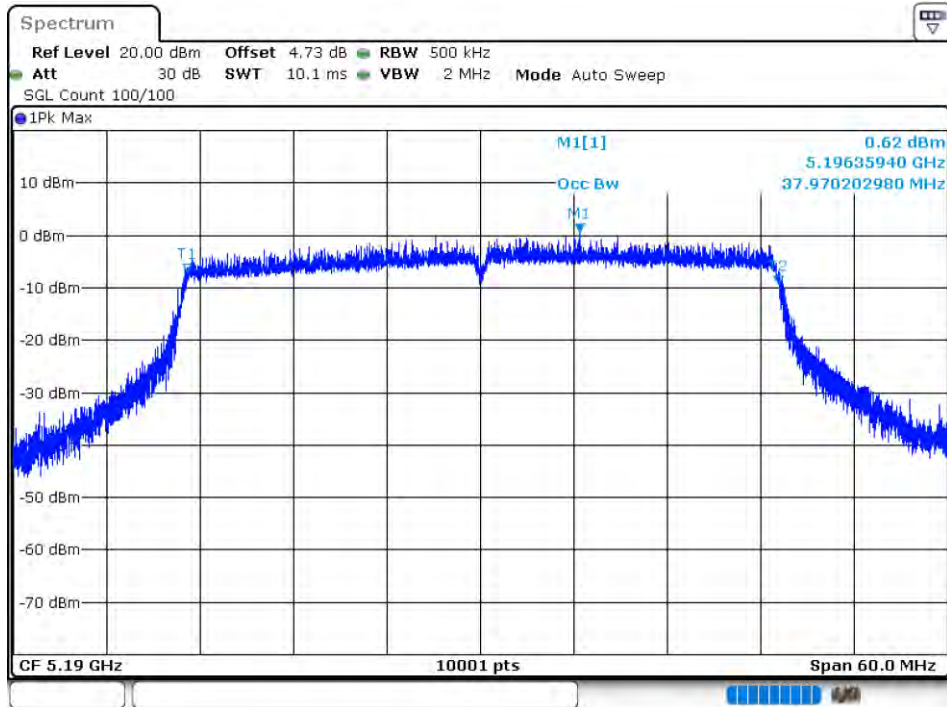
OBW NVNT ax20 5200MHz Ant1



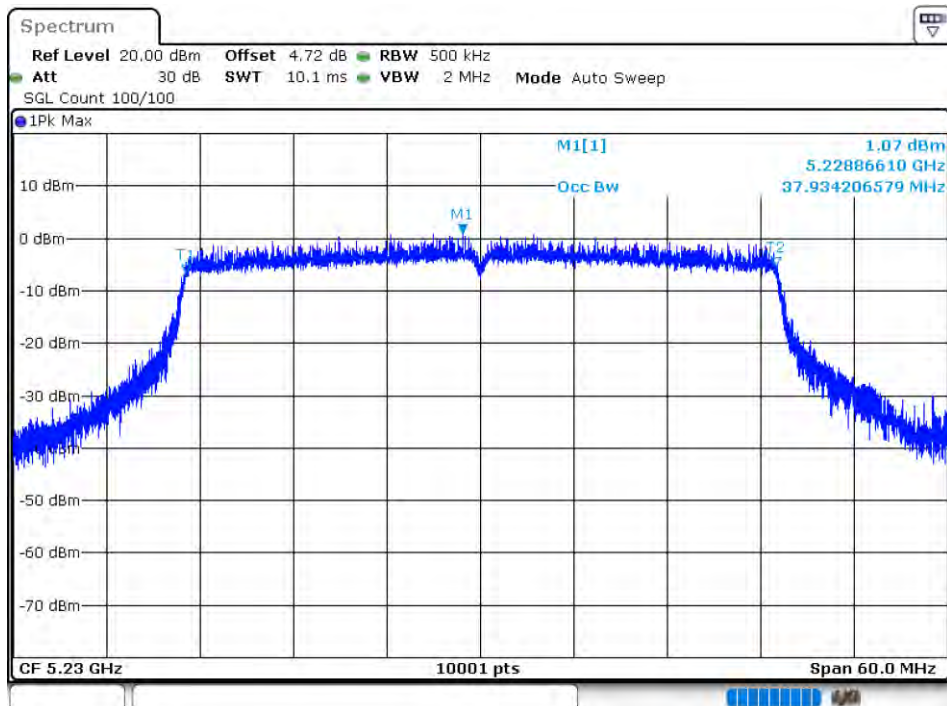
OBW NVNT ax20 5240MHz Ant1



OBW NVNT ax40 5190MHz Ant1



OBW NVNT ax40 5230MHz Ant1



Maximum Power Spectral Density Level

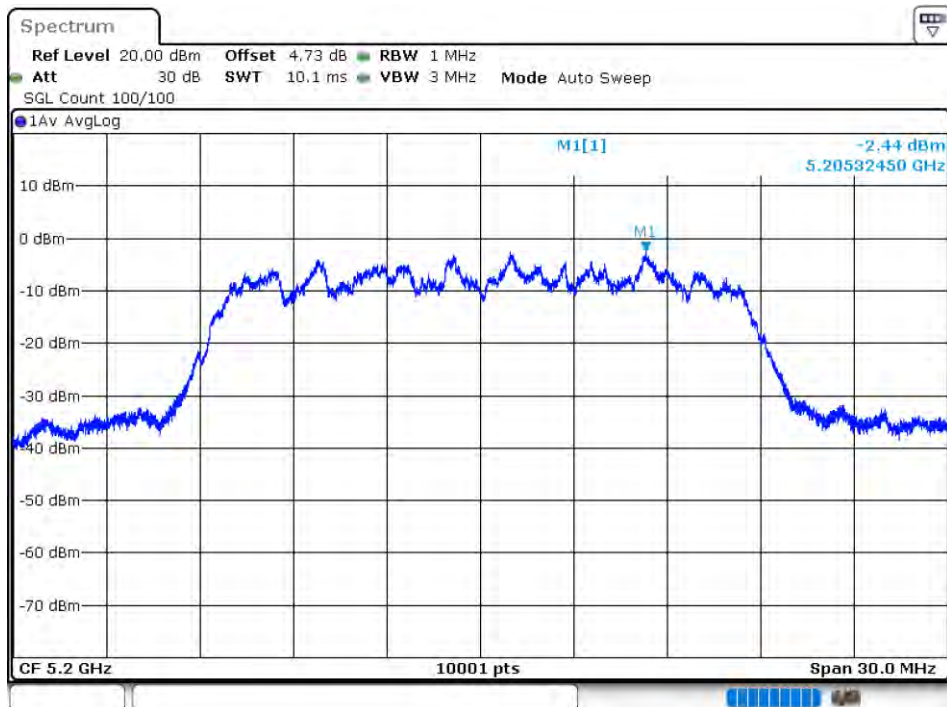
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-4.53	0.46	-4.07	11	Pass
NVNT	a	5200	Ant1	-2.44	0.49	-1.95	11	Pass
NVNT	a	5240	Ant1	-2.8	0.44	-2.36	11	Pass
NVNT	n20	5180	Ant1	-4.71	0.36	-4.35	11	Pass
NVNT	n20	5200	Ant1	-3.96	0.52	-3.44	11	Pass
NVNT	n20	5240	Ant1	-3.71	0.48	-3.23	11	Pass
NVNT	n40	5190	Ant1	-11.32	0.67	-10.65	11	Pass
NVNT	n40	5230	Ant1	-14.4	0.91	-13.49	11	Pass
NVNT	ac20	5180	Ant1	-4.85	0.45	-4.4	11	Pass
NVNT	ac20	5200	Ant1	-4.05	0.51	-3.54	11	Pass
NVNT	ac20	5240	Ant1	-4.41	0.5	-3.91	11	Pass
NVNT	ac40	5190	Ant1	-11.92	0.66	-11.26	11	Pass
NVNT	ac40	5230	Ant1	-11.37	0.95	-10.42	11	Pass
NVNT	ax20	5180	Ant1	-5.28	0.47	-4.81	11	Pass
NVNT	ax20	5200	Ant1	-6.09	0.67	-5.42	11	Pass
NVNT	ax20	5240	Ant1	-5.32	0.61	-4.71	11	Pass
NVNT	ax40	5190	Ant1	-13.39	0.81	-12.58	11	Pass
NVNT	ax40	5230	Ant1	-12.56	1.14	-11.42	11	Pass

Test Graphs

PSD NVNT a 5180MHz Ant1



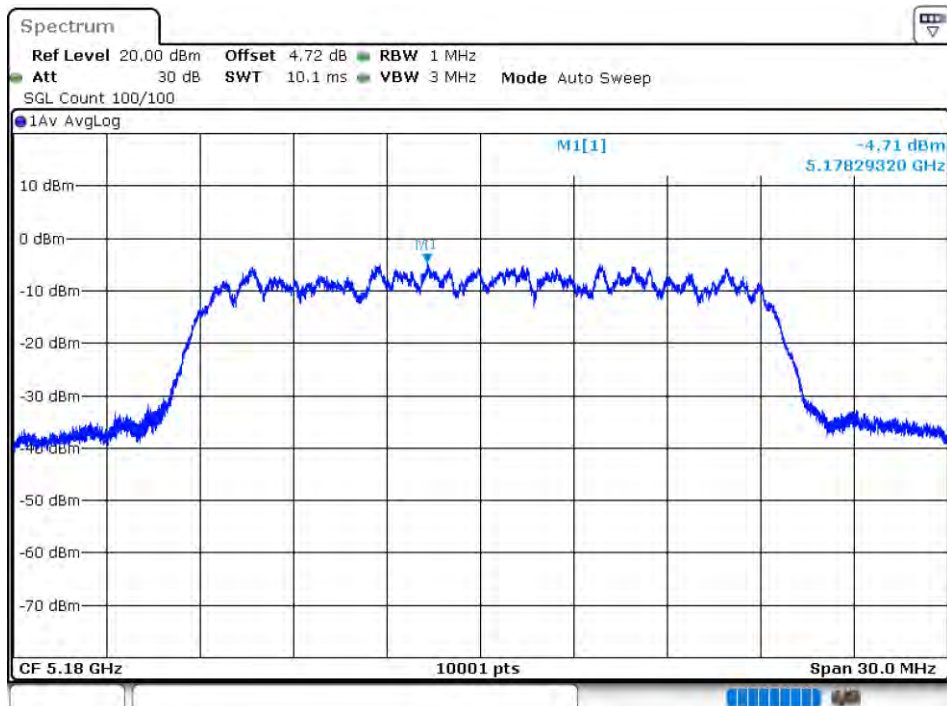
PSD NVNT a 5200MHz Ant1

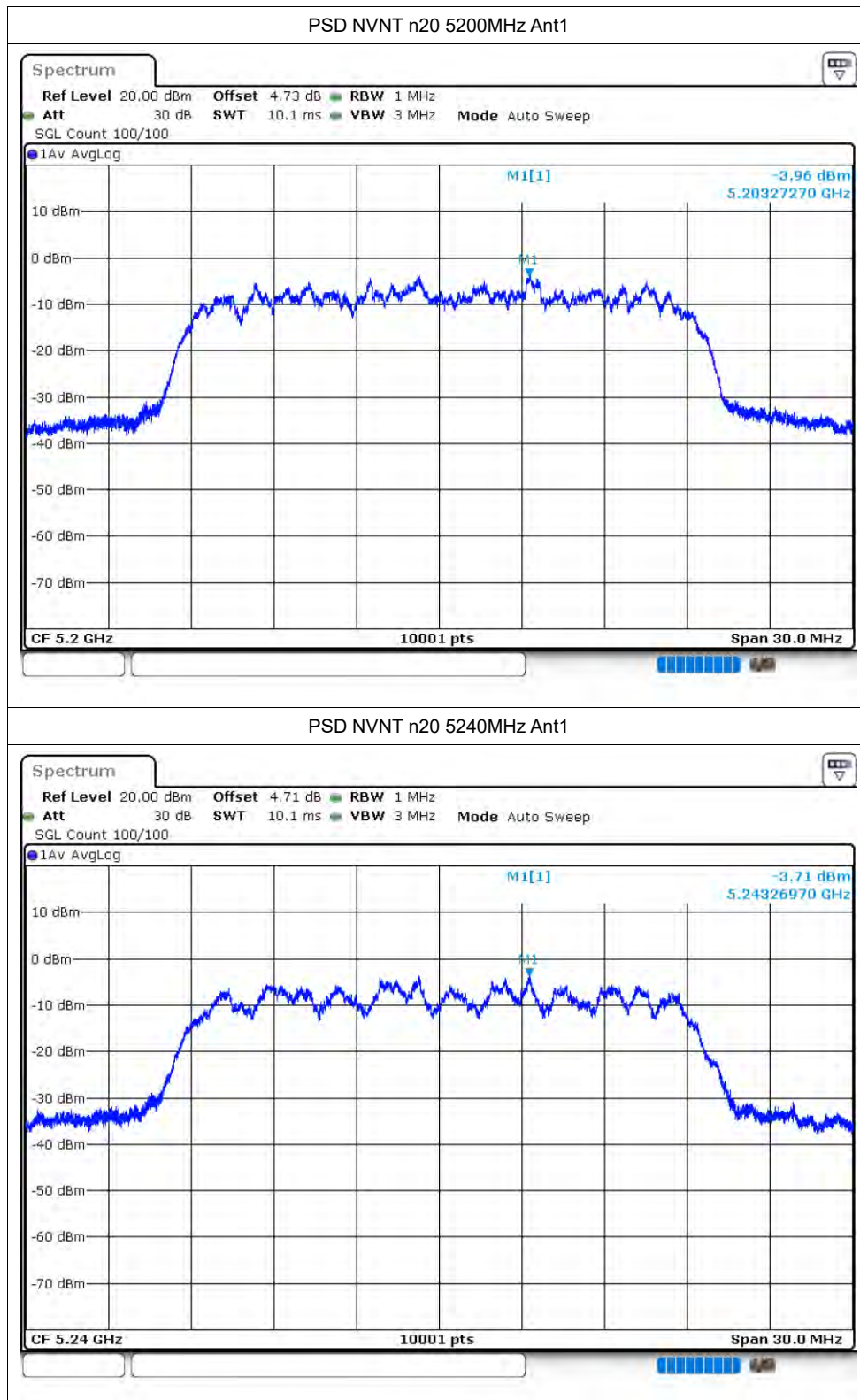


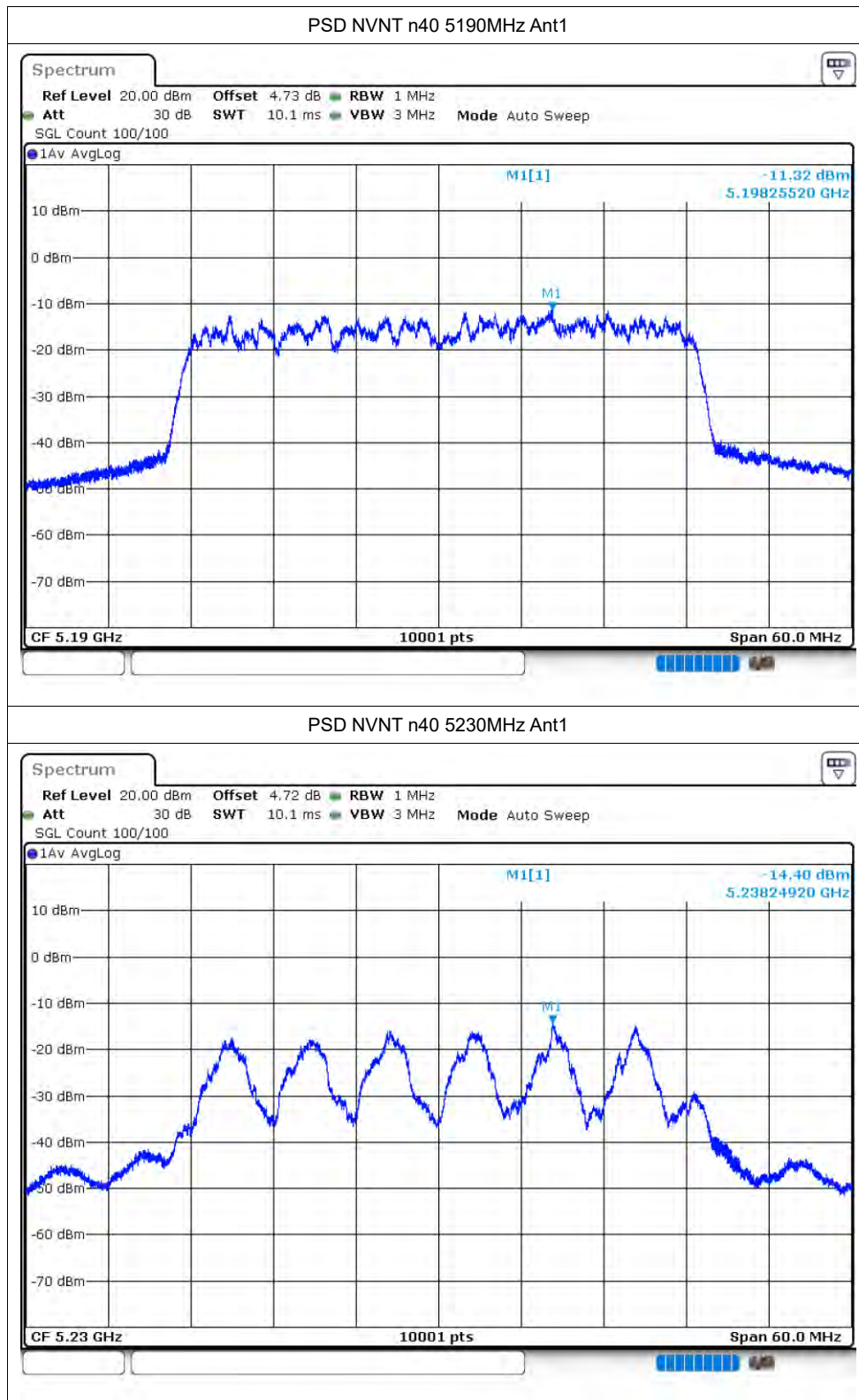
PSD NVNT a 5240MHz Ant1



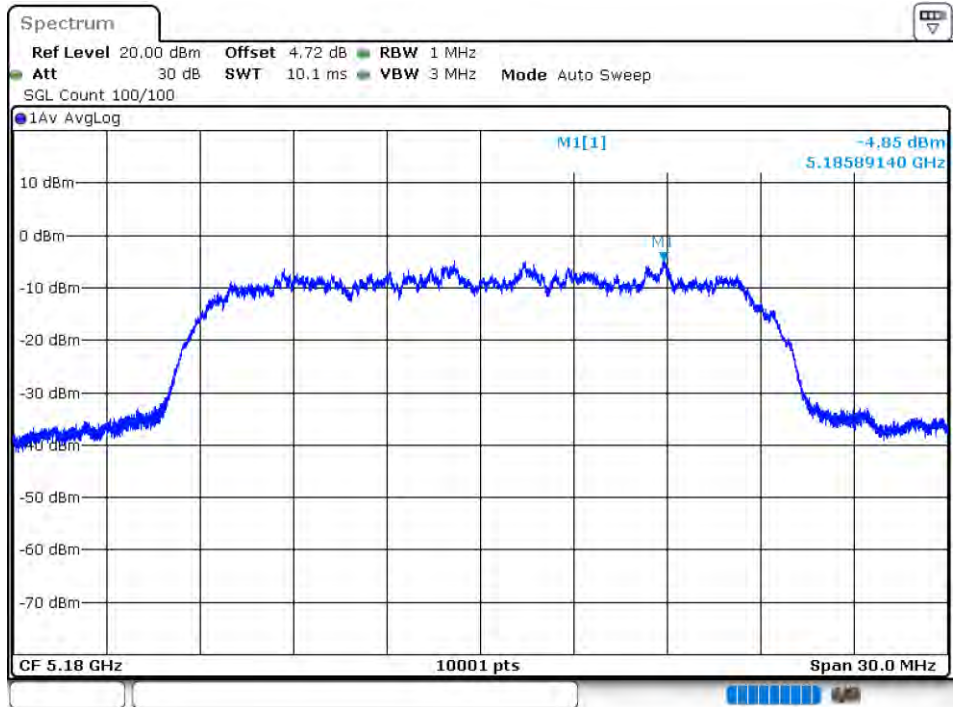
PSD NVNT n20 5180MHz Ant1





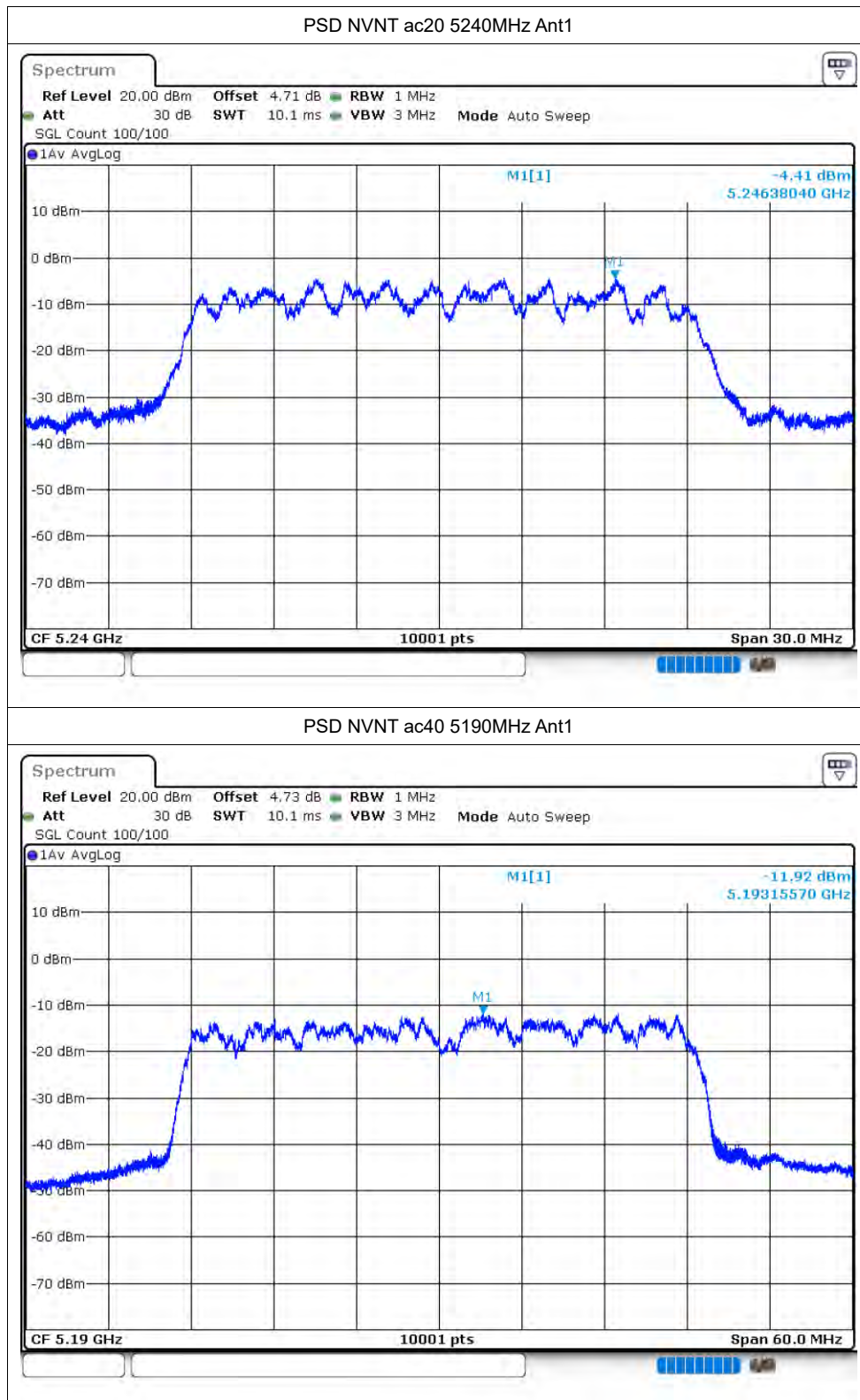


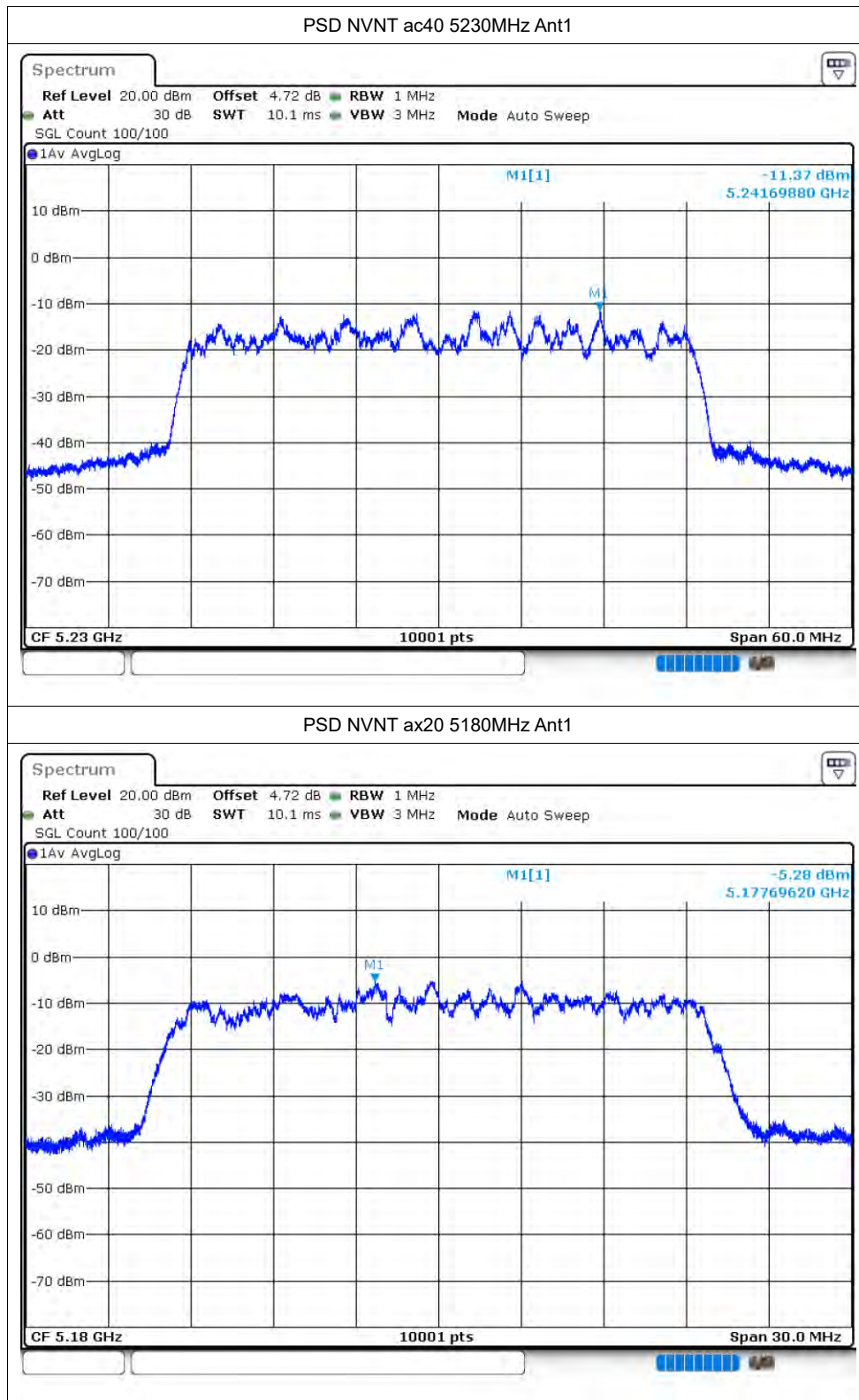
PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5200MHz Ant1



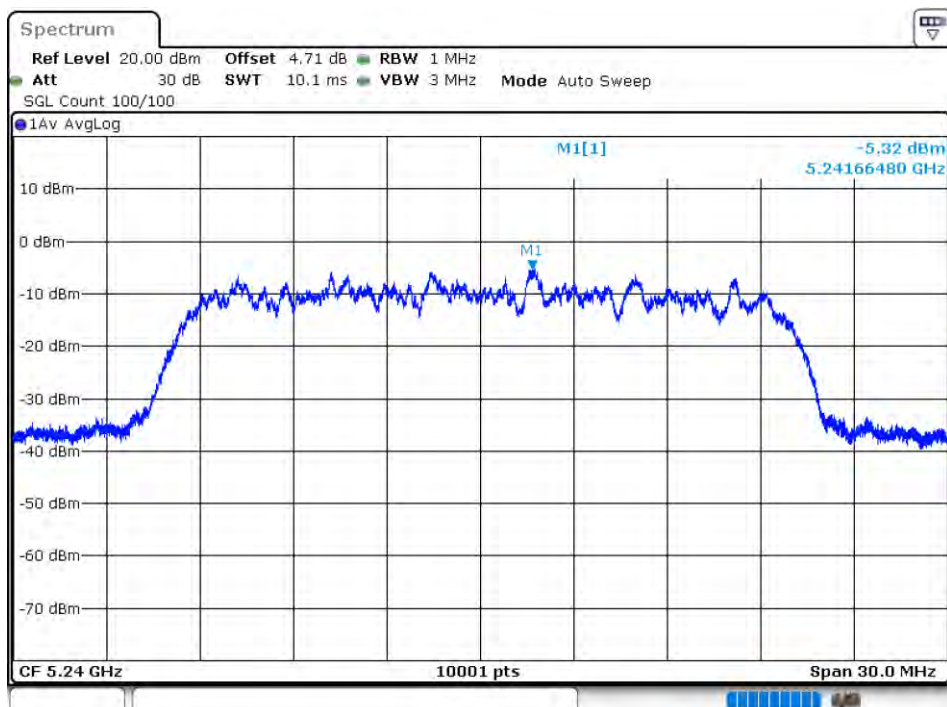


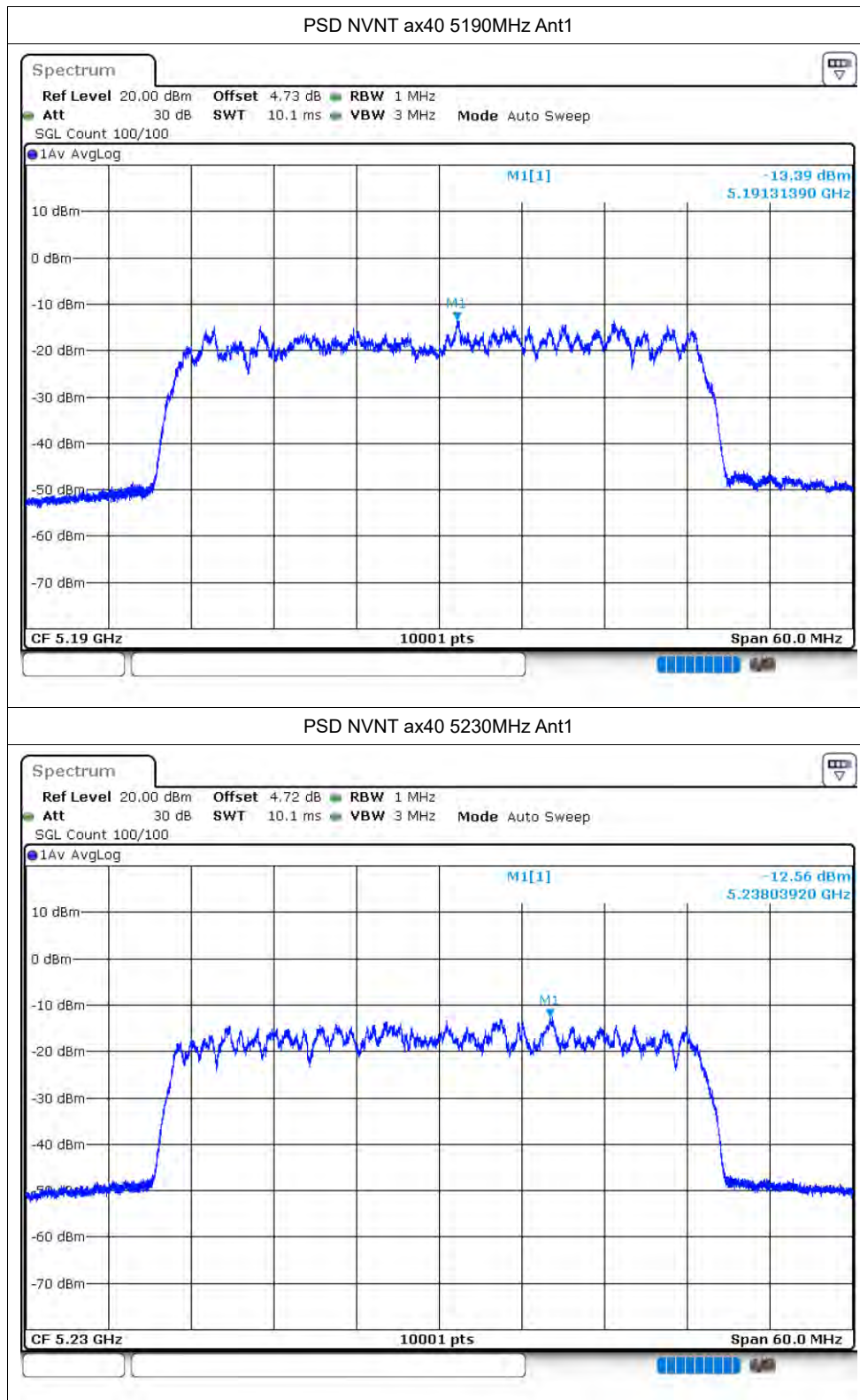


PSD NVNT ax20 5200MHz Ant1



PSD NVNT ax20 5240MHz Ant1



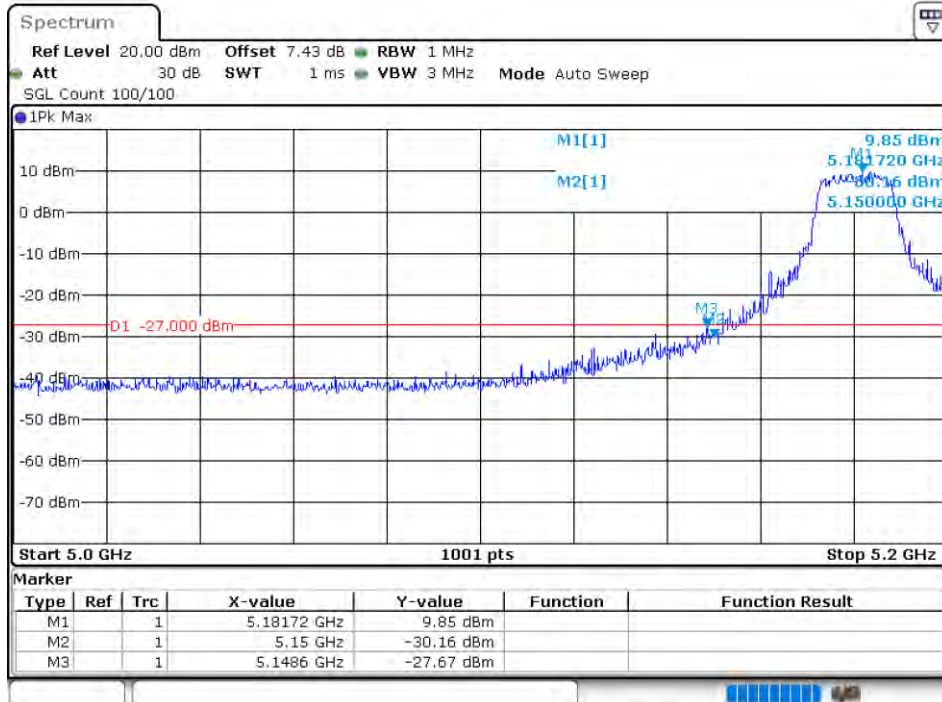


Band Edge

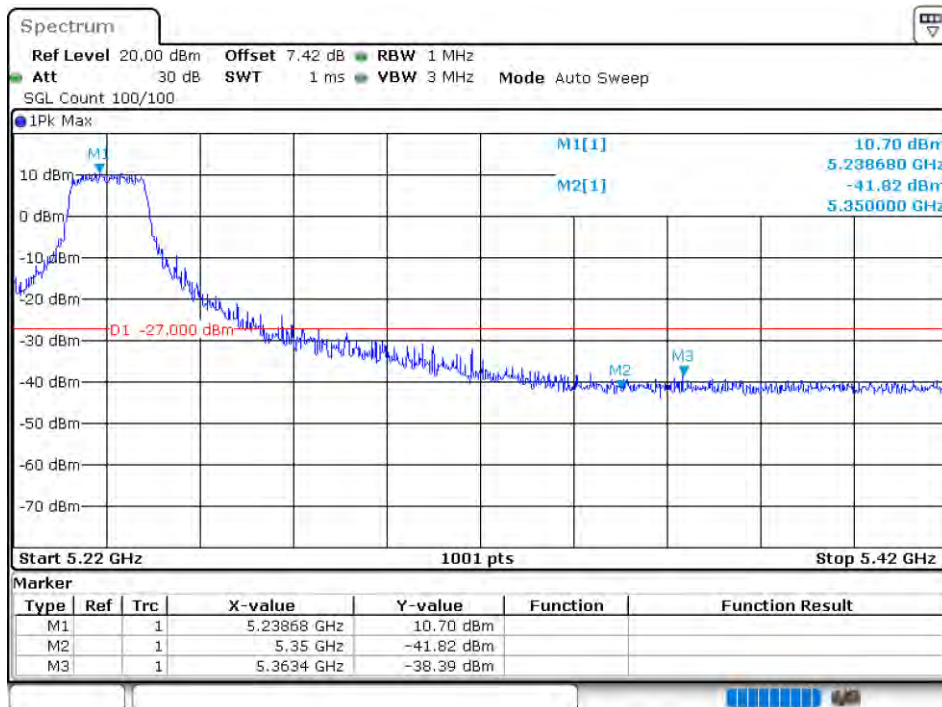
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-27.66	-27	Pass
NVNT	a	5240	Ant1	-38.38	-27	Pass
NVNT	n20	5180	Ant1	-27.25	-27	Pass
NVNT	n20	5240	Ant1	-36.95	-27	Pass
NVNT	n40	5190	Ant1	-29.95	-27	Pass
NVNT	n40	5230	Ant1	-39.12	-27	Pass
NVNT	ac20	5180	Ant1	-28.72	-27	Pass
NVNT	ac20	5240	Ant1	-38.65	-27	Pass
NVNT	ac40	5190	Ant1	-27.85	-27	Pass
NVNT	ac40	5230	Ant1	-38.76	-27	Pass
NVNT	ax20	5180	Ant1	-27.03	-27	Pass
NVNT	ax20	5240	Ant1	-39.14	-27	Pass
NVNT	ax40	5190	Ant1	-30.64	-27	Pass
NVNT	ax40	5230	Ant1	-39.7	-27	Pass

Test Graphs

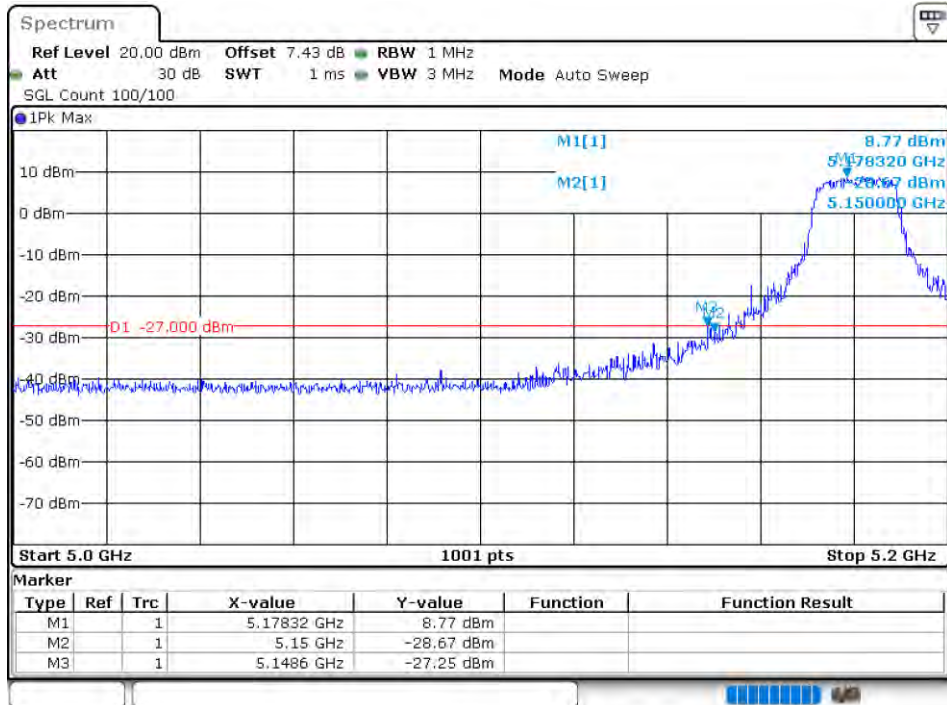
Band Edge NVNT a 5180MHz Low Ant1



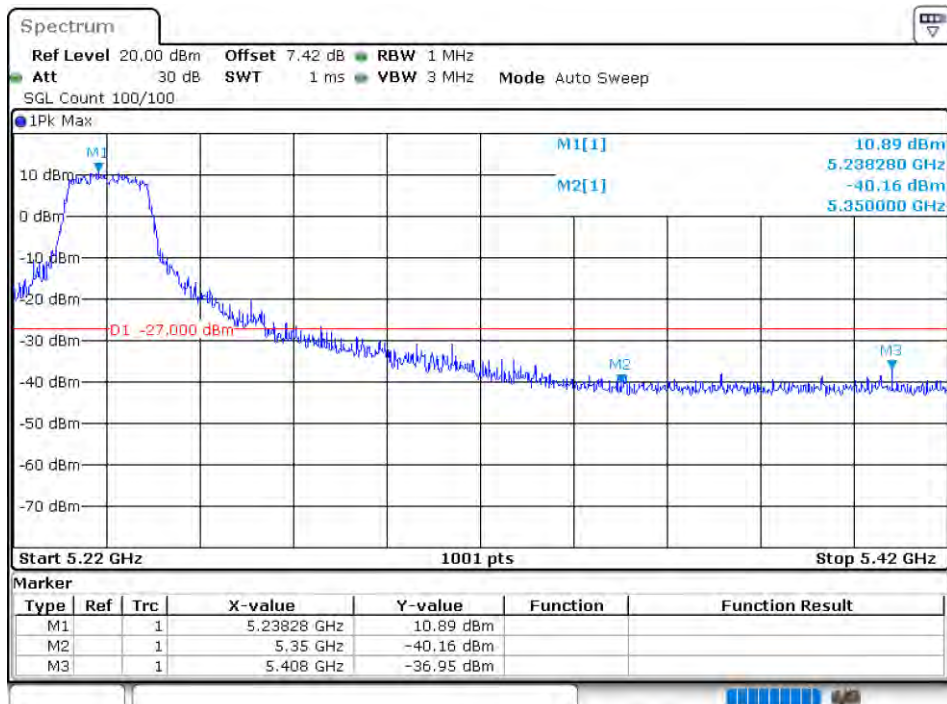
Band Edge NVNT a 5240MHz High Ant1



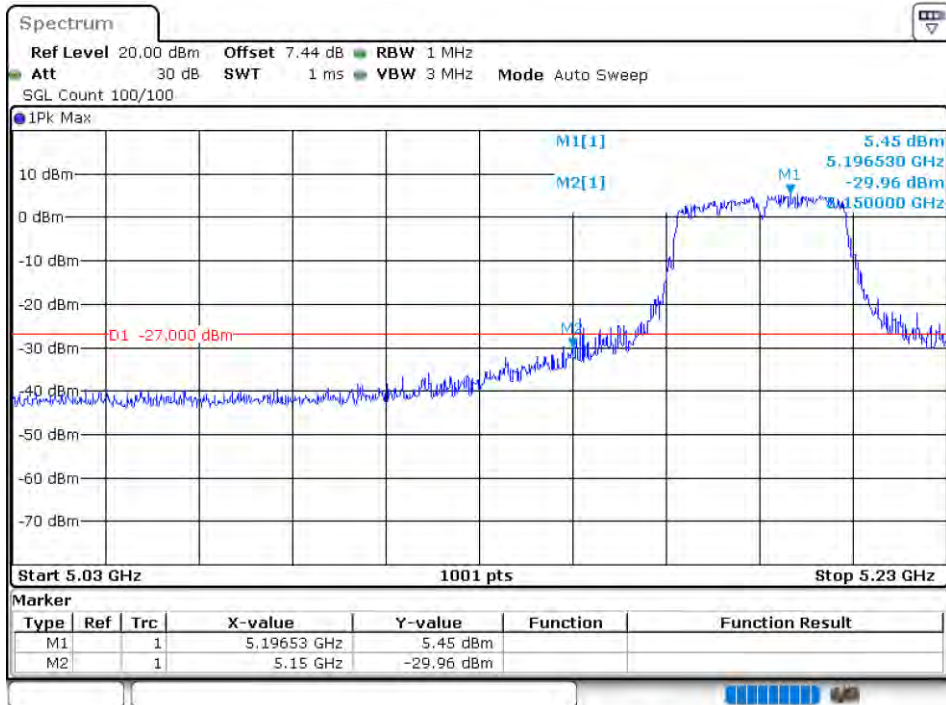
Band Edge NVNT n20 5180MHz Low Ant1



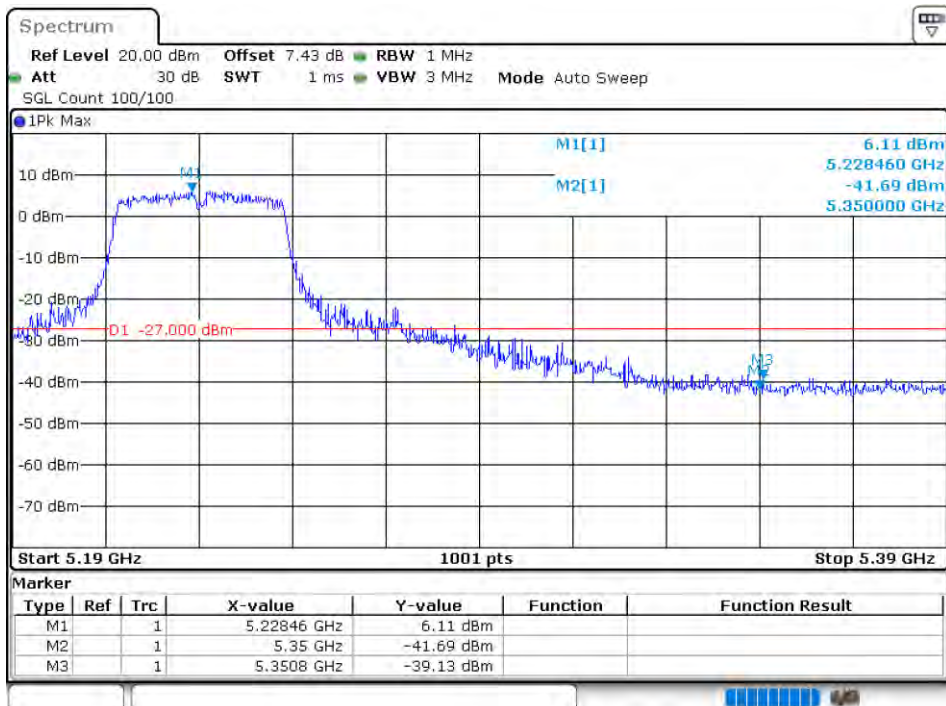
Band Edge NVNT n20 5240MHz High Ant1



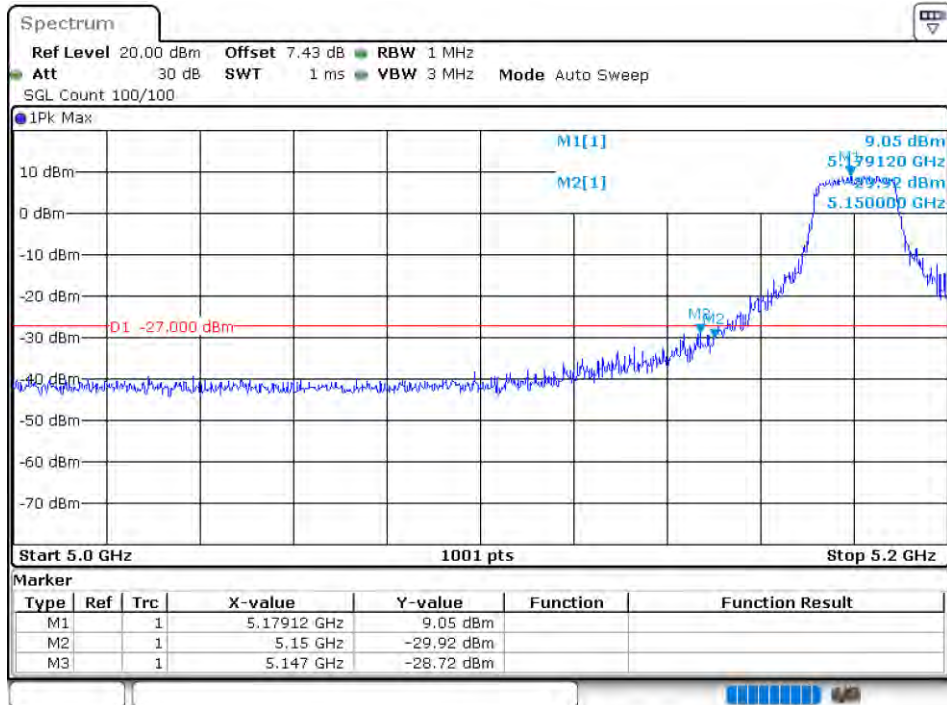
Band Edge NVNT n40 5190MHz Low Ant1



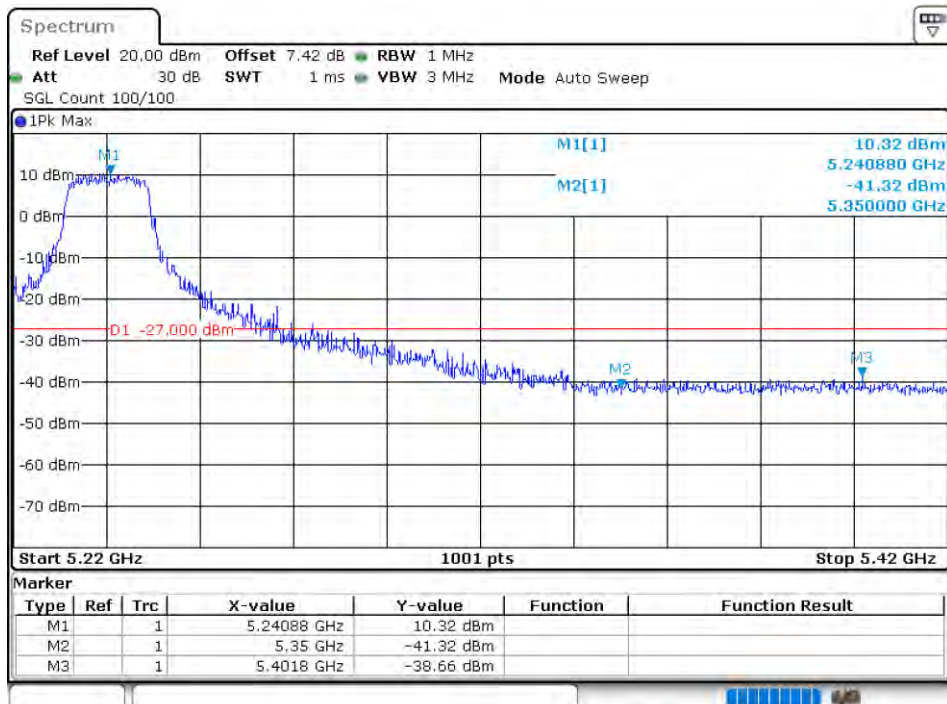
Band Edge NVNT n40 5230MHz High Ant1



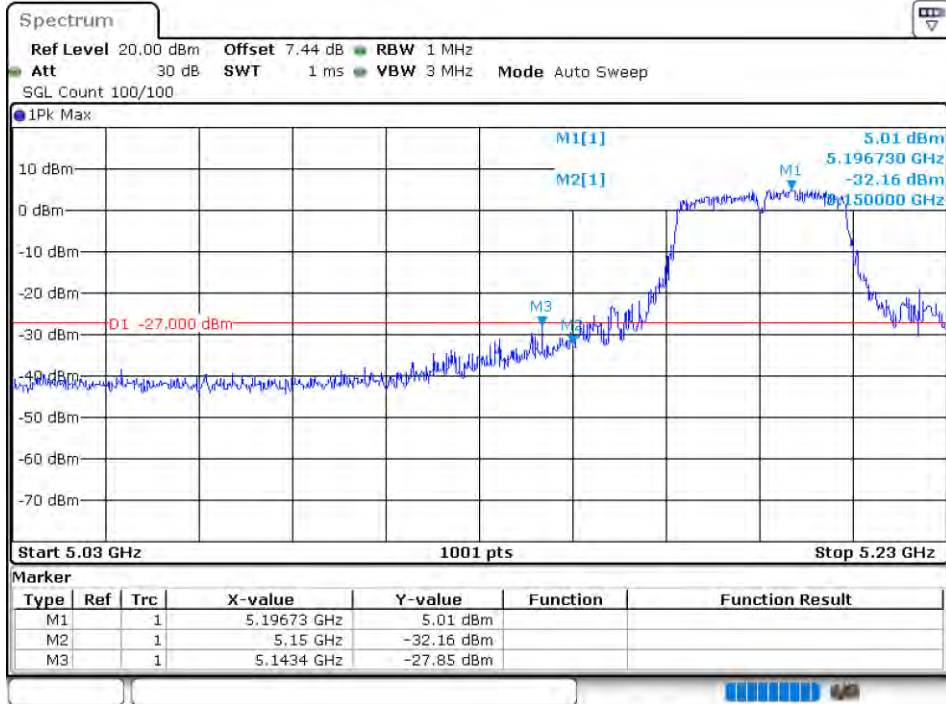
Band Edge NVNT ac20 5180MHz Low Ant1



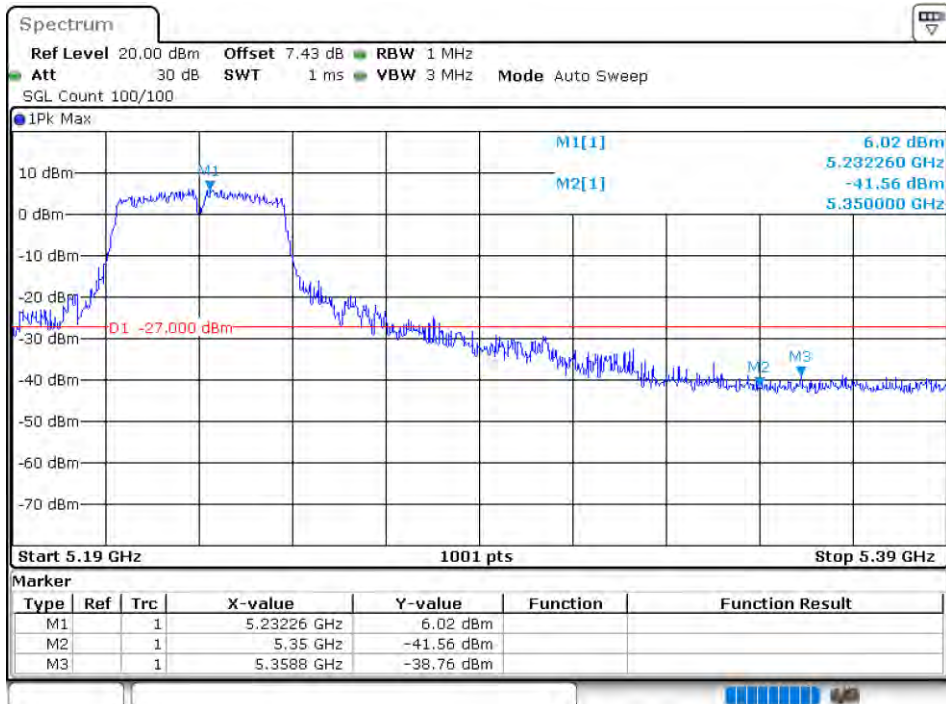
Band Edge NVNT ac20 5240MHz High Ant1



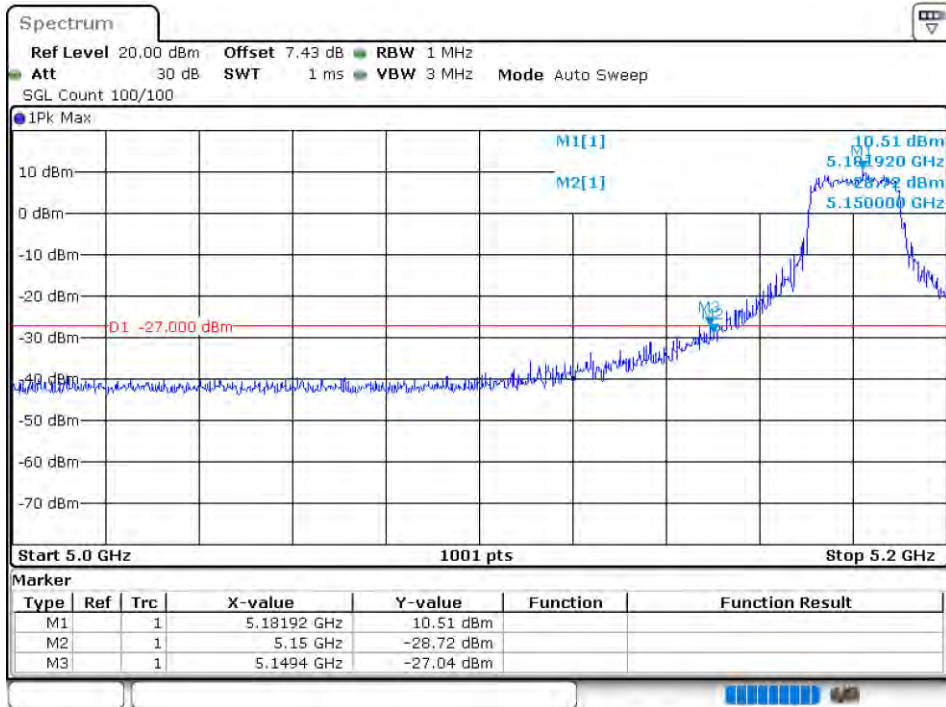
Band Edge NVNT ac40 5190MHz Low Ant1



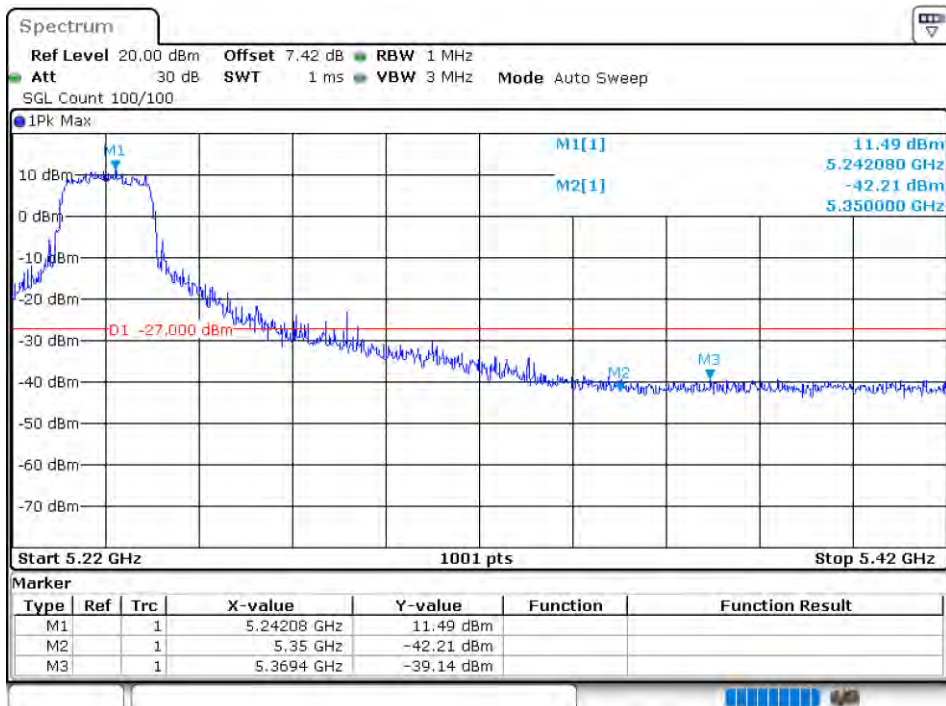
Band Edge NVNT ac40 5230MHz High Ant1



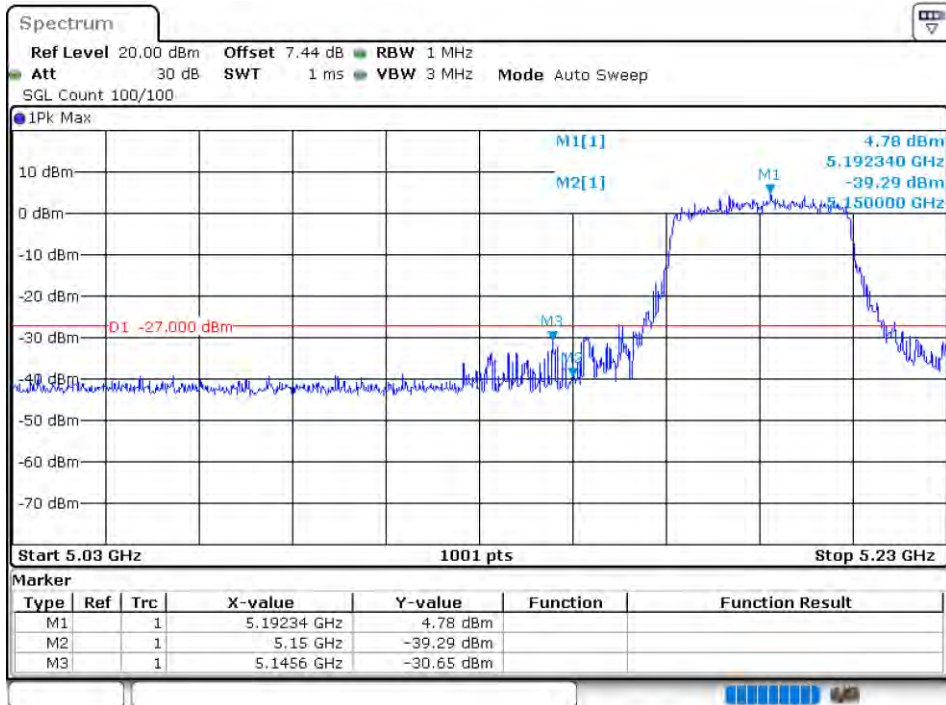
Band Edge NVNT ax20 5180MHz Low Ant1



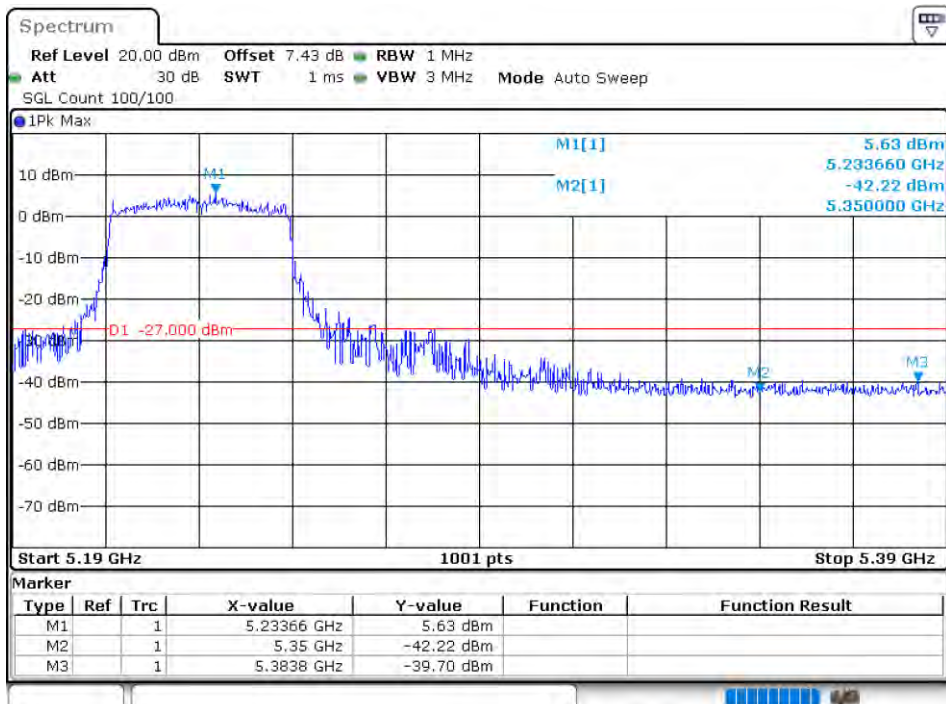
Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1

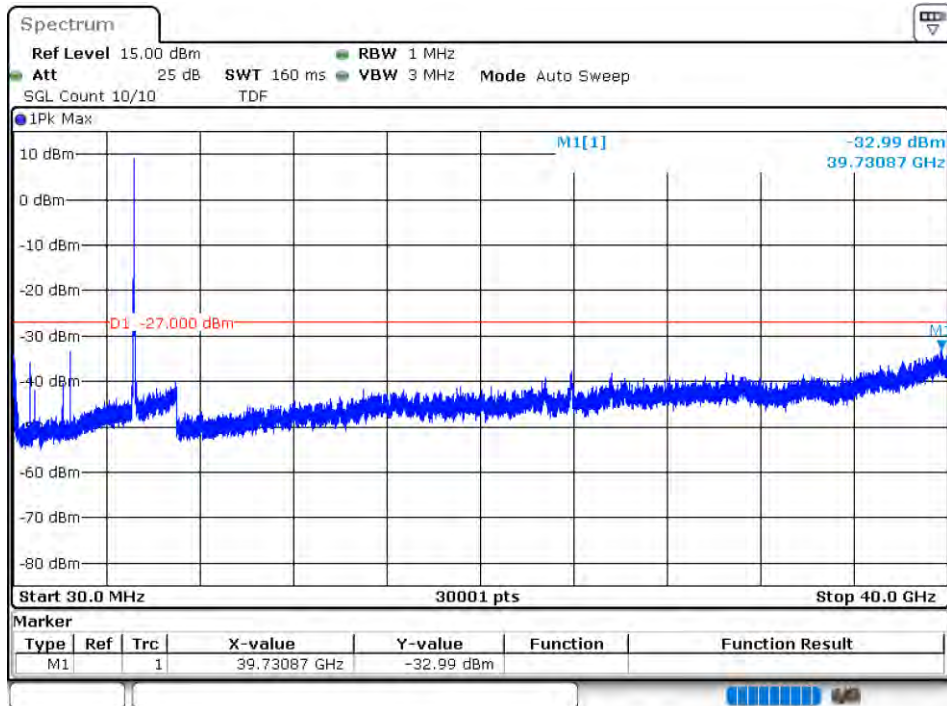


Conducted RF Spurious Emission

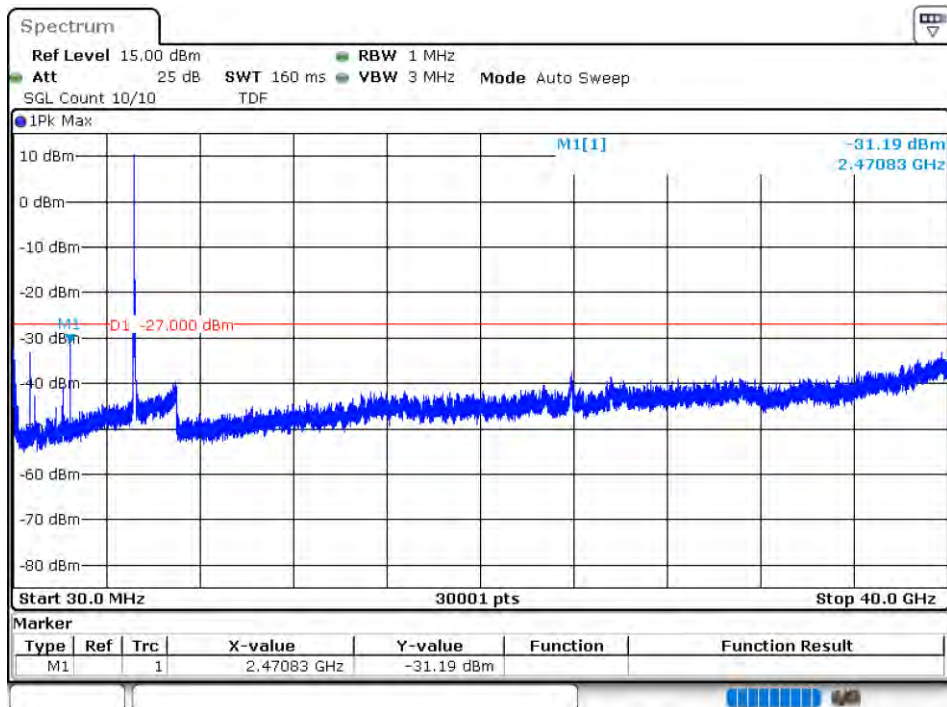
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.98	-27	Pass
NVNT	a	5200	Ant1	-31.19	-27	Pass
NVNT	a	5240	Ant1	-31.01	-27	Pass
NVNT	n20	5180	Ant1	-32.33	-27	Pass
NVNT	n20	5200	Ant1	-32.98	-27	Pass
NVNT	n20	5240	Ant1	-32.06	-27	Pass
NVNT	n40	5190	Ant1	-33.06	-27	Pass
NVNT	n40	5230	Ant1	-31.41	-27	Pass
NVNT	ac20	5180	Ant1	-30.78	-27	Pass
NVNT	ac20	5200	Ant1	-32.29	-27	Pass
NVNT	ac20	5240	Ant1	-31.5	-27	Pass
NVNT	ac40	5190	Ant1	-32.96	-27	Pass
NVNT	ac40	5230	Ant1	-30.38	-27	Pass
NVNT	ax20	5180	Ant1	-29.25	-27	Pass
NVNT	ax20	5200	Ant1	-30.57	-27	Pass
NVNT	ax20	5240	Ant1	-30.17	-27	Pass
NVNT	ax40	5190	Ant1	-33.05	-27	Pass
NVNT	ax40	5230	Ant1	-32.83	-27	Pass

Test Graphs

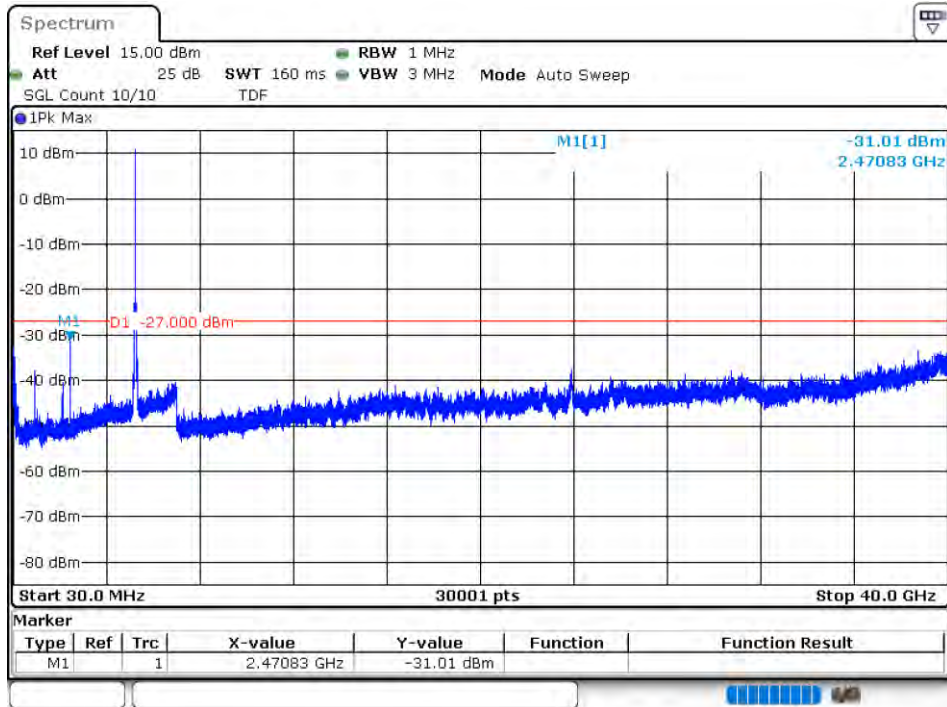
Tx. Spurious NVNT a 5180MHz Ant1 Emission



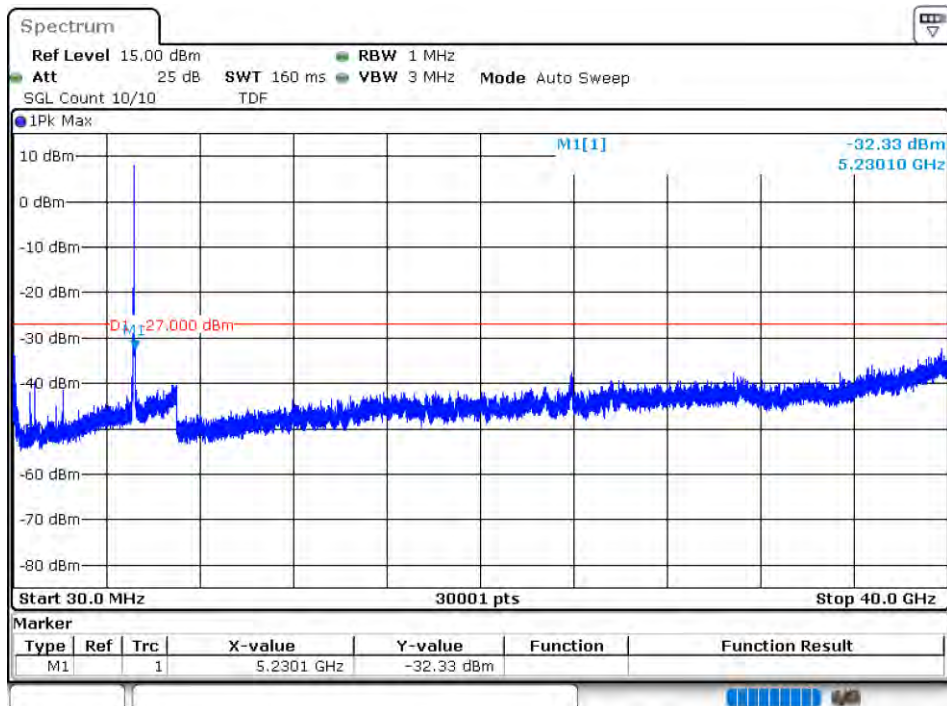
Tx. Spurious NVNT a 5200MHz Ant1 Emission



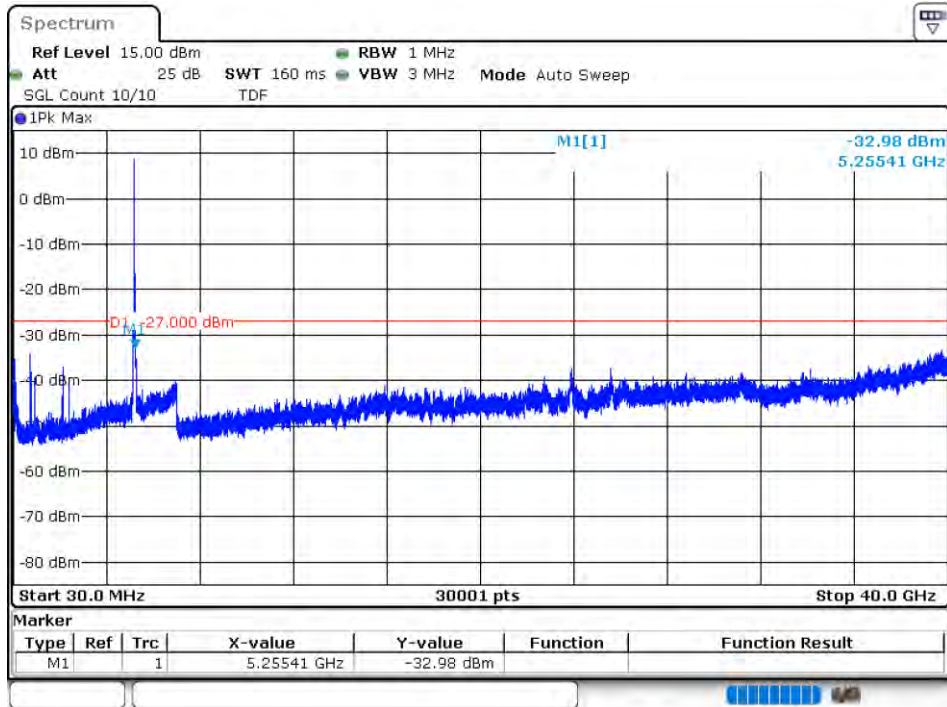
Tx. Spurious NVNT a 5240MHz Ant1 Emission



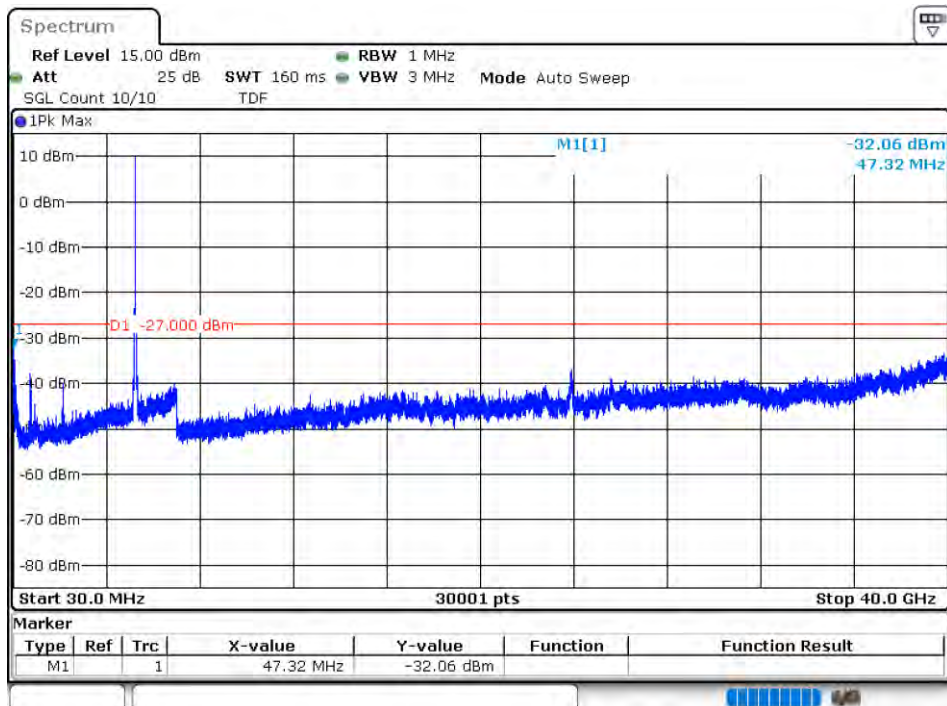
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



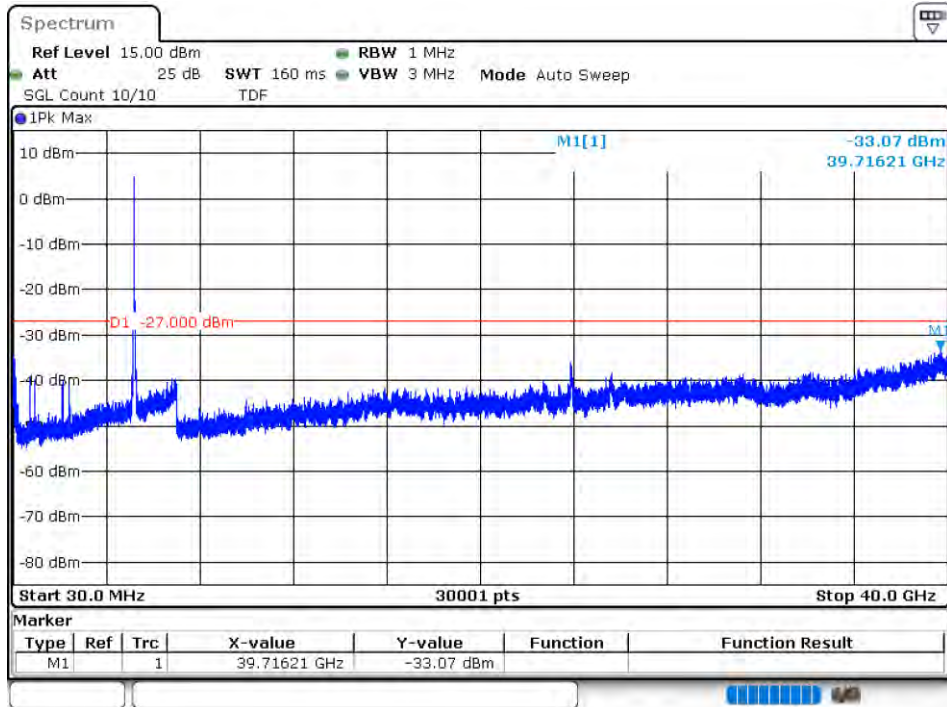
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



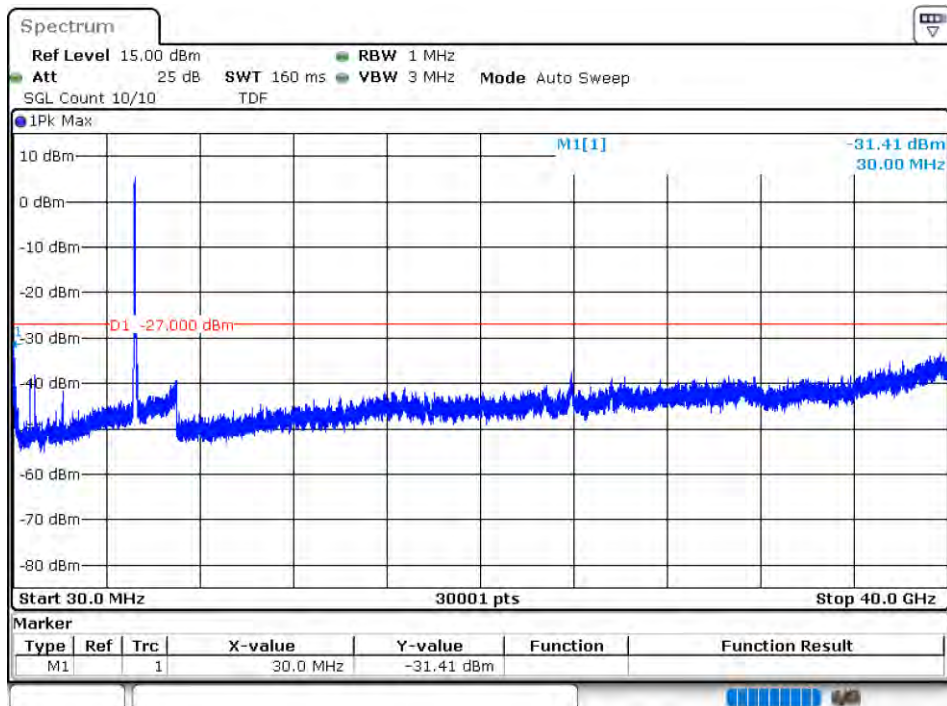
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



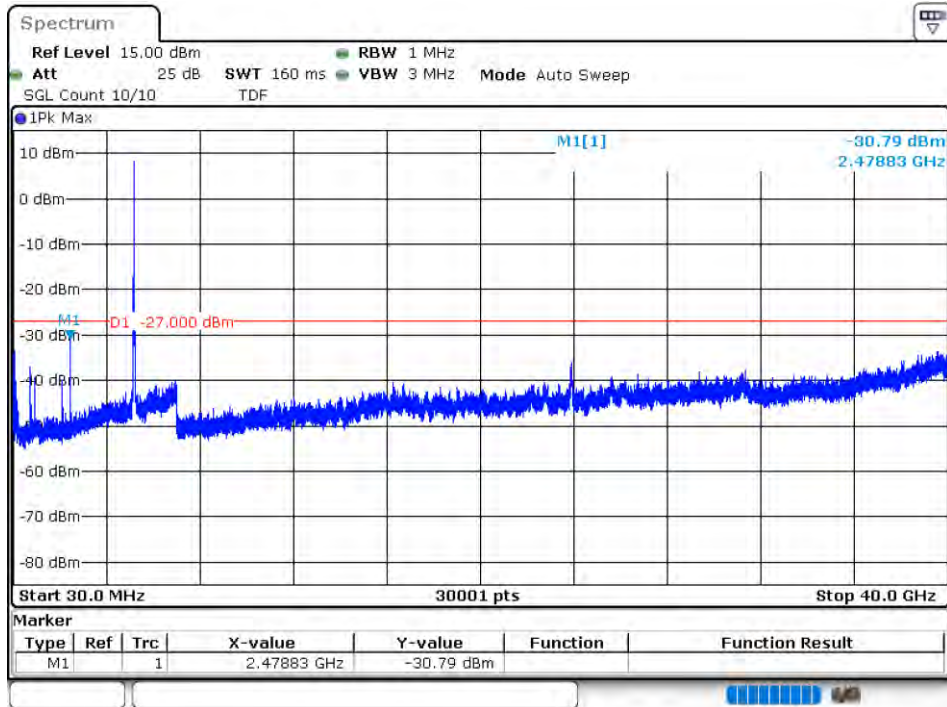
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



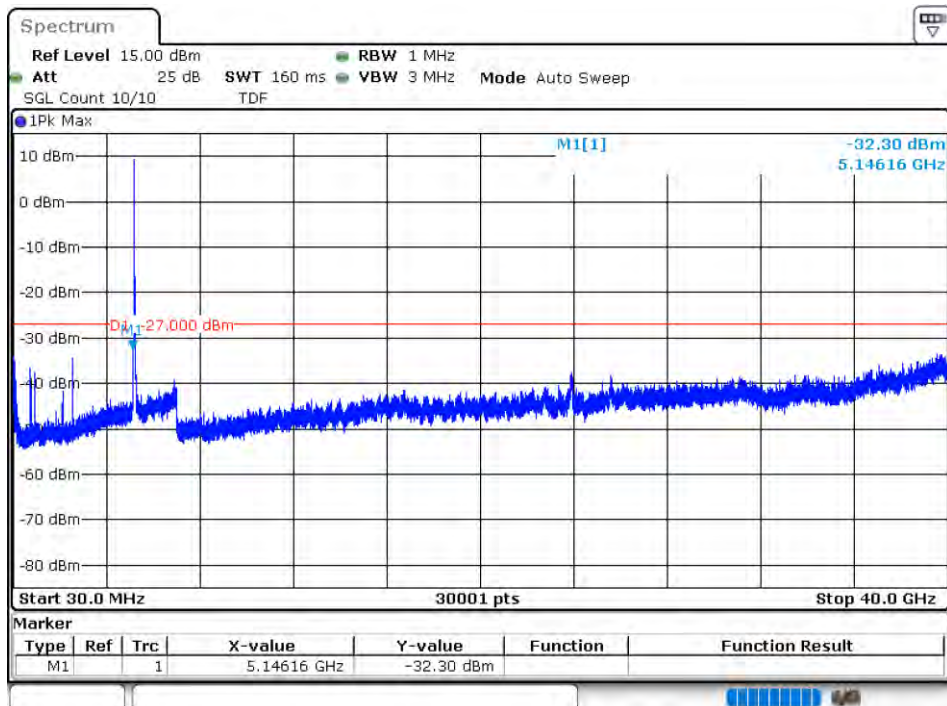
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



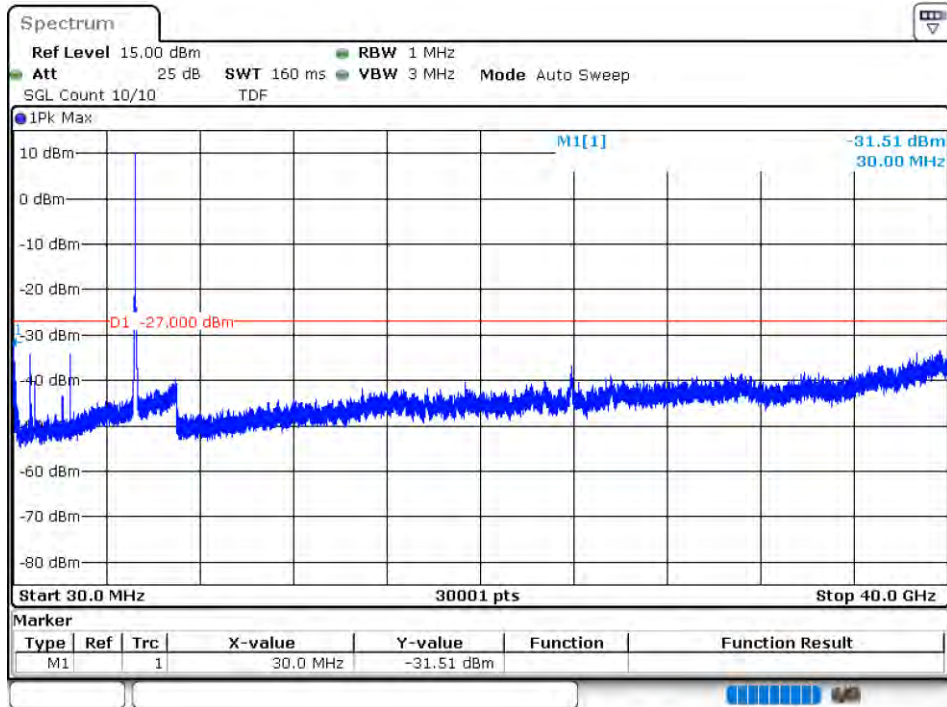
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



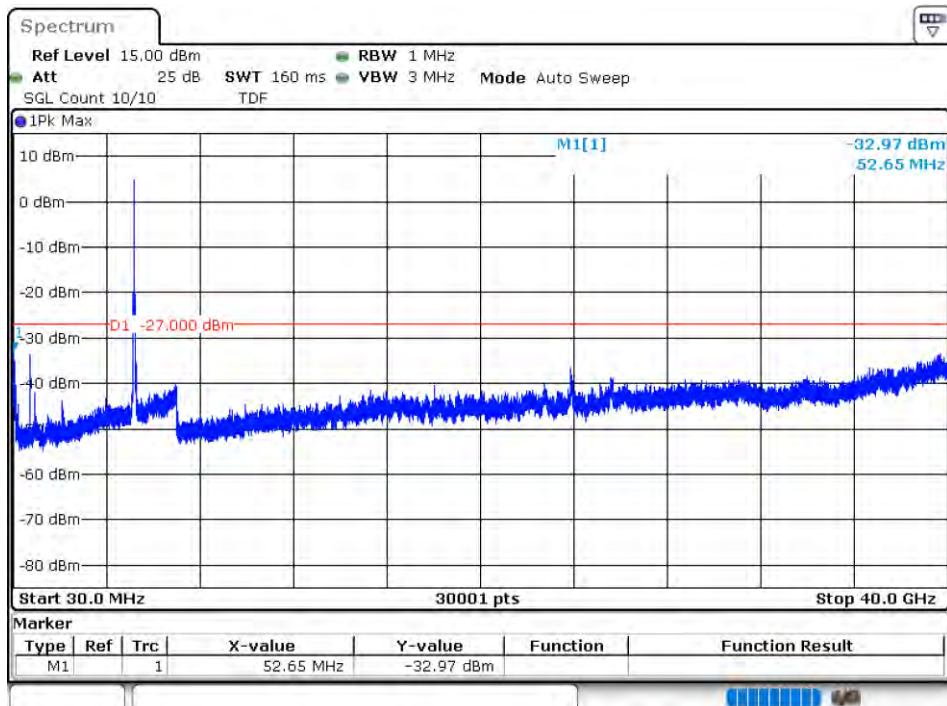
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



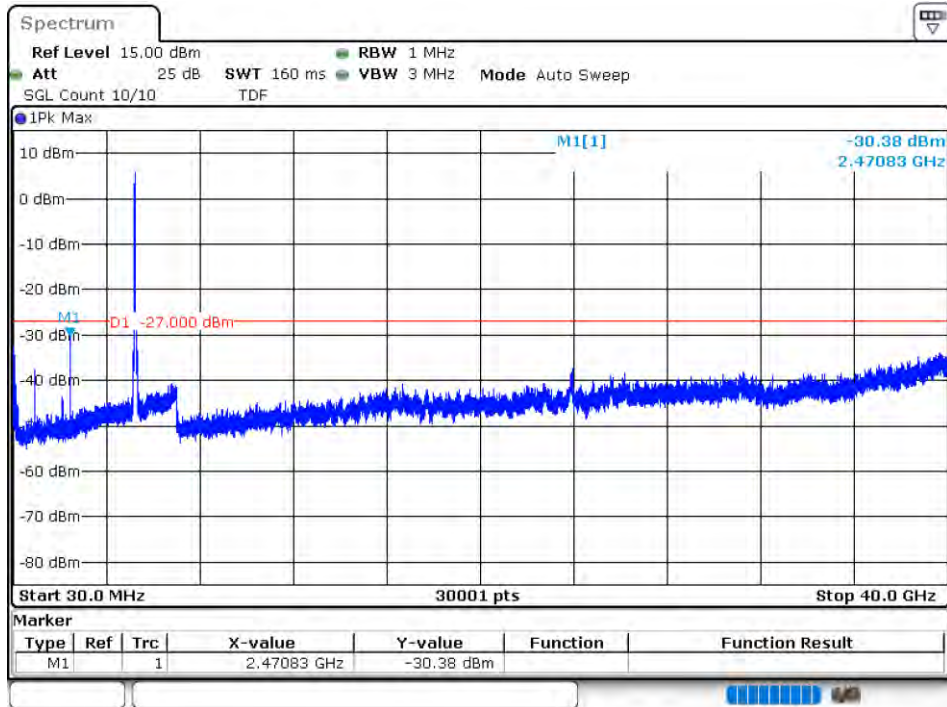
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



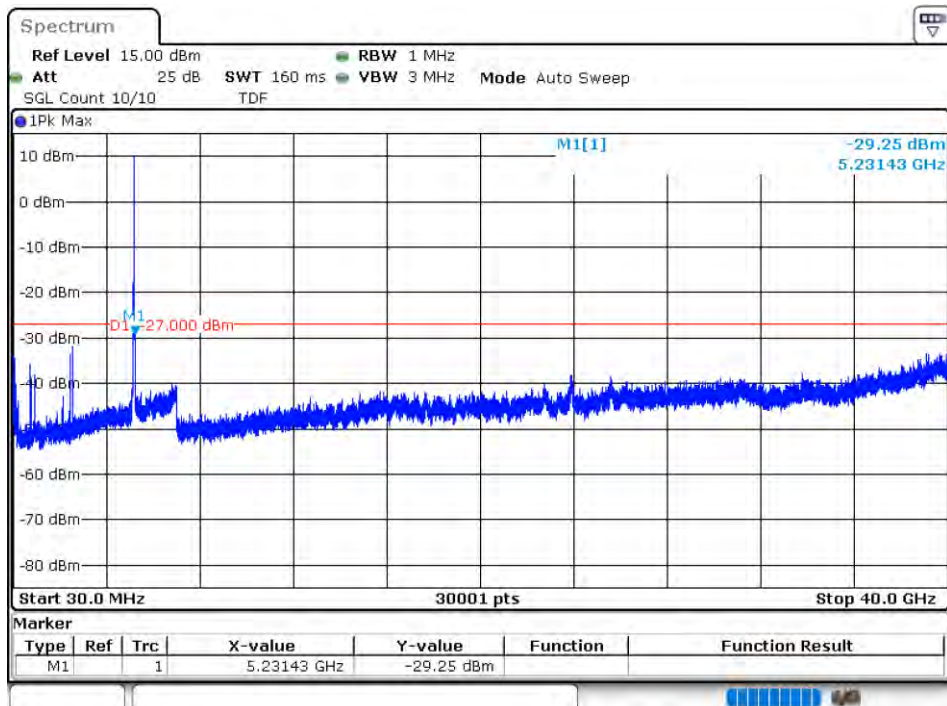
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



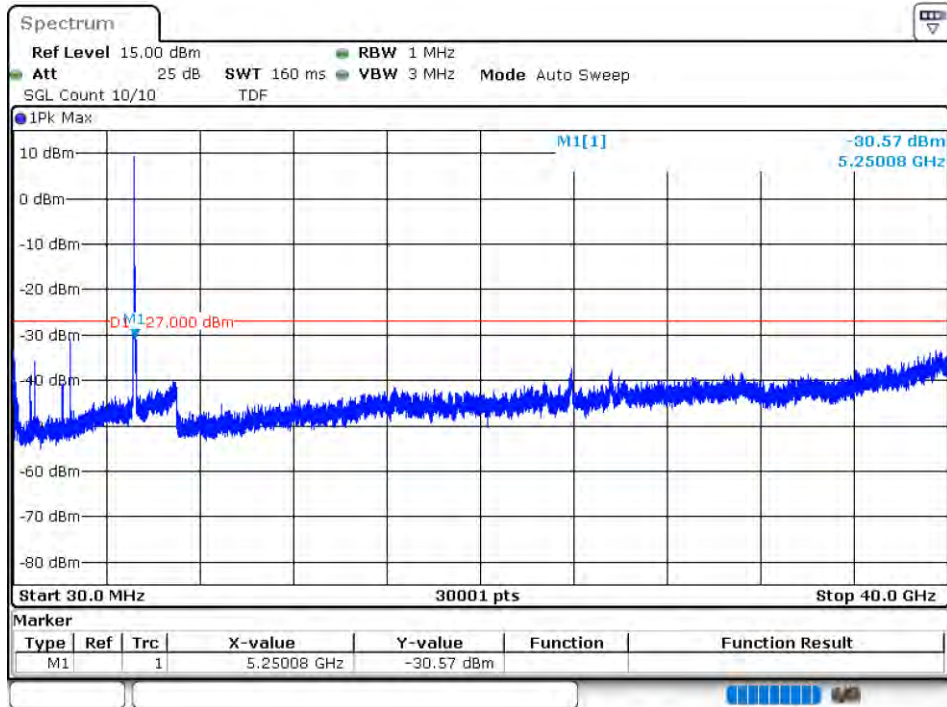
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



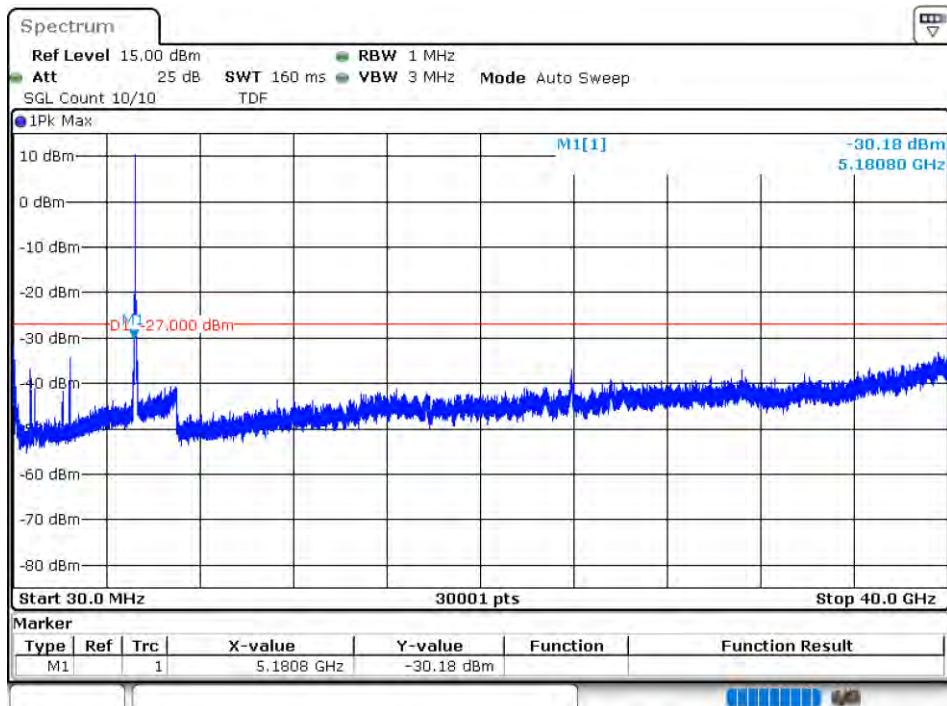
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



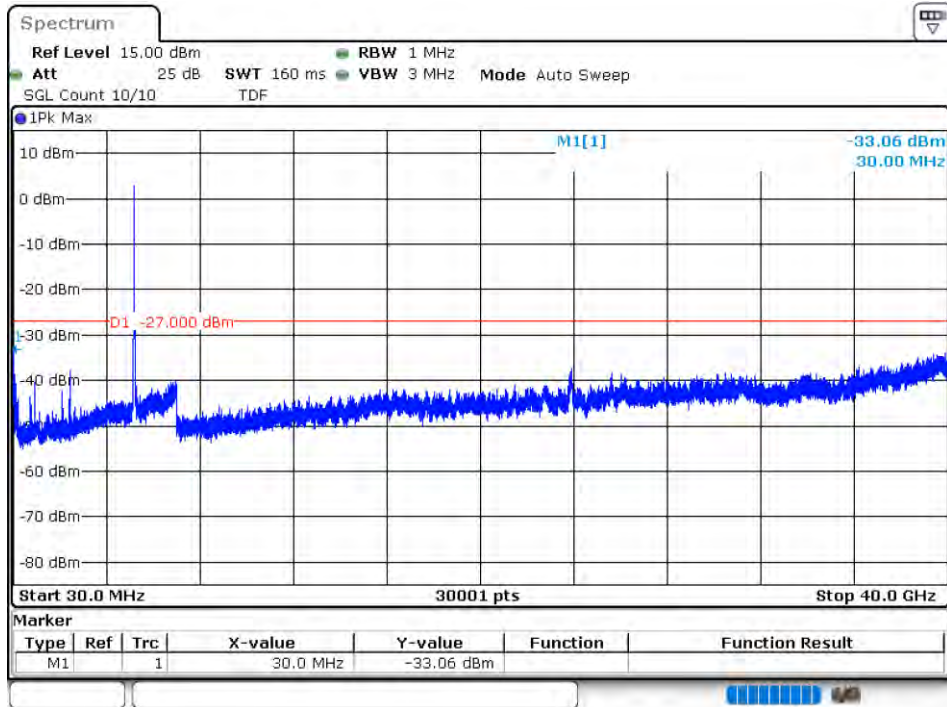
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



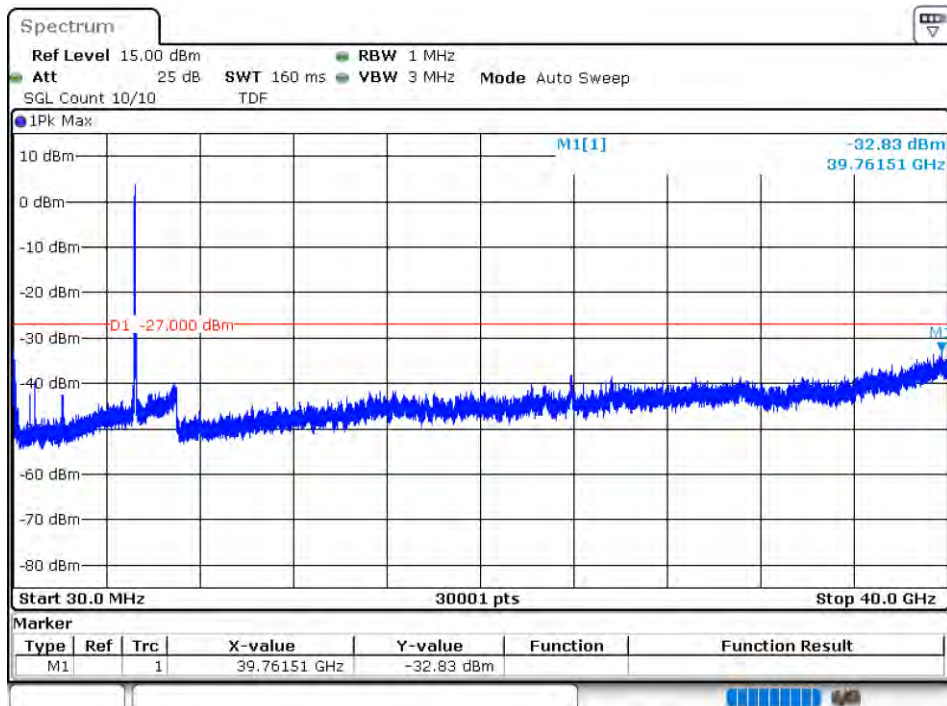
Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



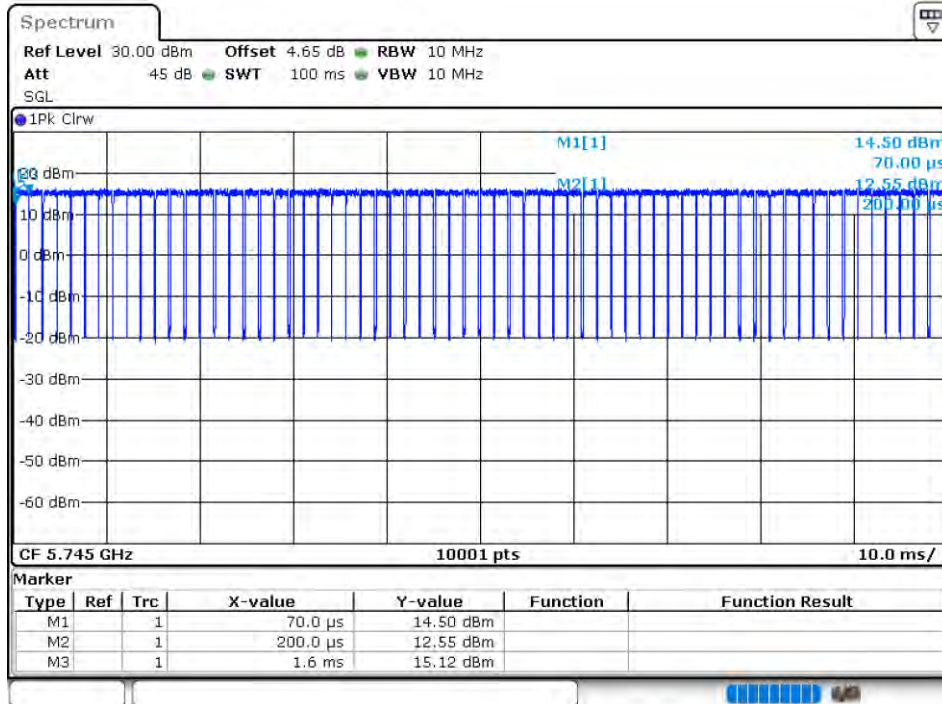
5.8G WIFI

Duty Cycle

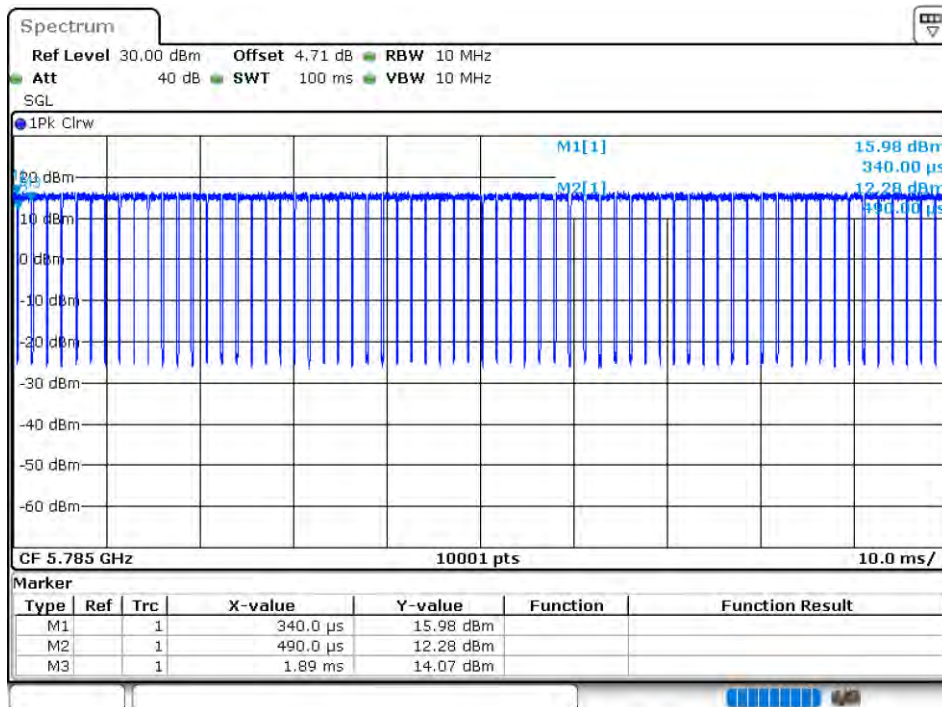
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	90.37	0.44	0.71
NVNT	a	5785	Ant1	90.22	0.45	0.71
NVNT	a	5825	Ant1	98.46	0.07	50
NVNT	n20	5745	Ant1	92.46	0.34	0.77
NVNT	n20	5785	Ant1	89.05	0.5	0.76
NVNT	n20	5825	Ant1	88.69	0.52	0.76
NVNT	n40	5755	Ant1	80.37	0.95	1.54
NVNT	n40	5795	Ant1	96.58	0.15	∞
NVNT	ac20	5745	Ant1	89.98	0.46	0.76
NVNT	ac20	5785	Ant1	88.16	0.55	0.76
NVNT	ac20	5825	Ant1	88.74	0.52	0.76
NVNT	ac40	5755	Ant1	83.9	0.76	1.52
NVNT	ac40	5795	Ant1	86.04	0.65	1.54
NVNT	ax20	5745	Ant1	86.94	0.61	0.98
NVNT	ax20	5785	Ant1	85.64	0.67	0.98
NVNT	ax20	5825	Ant1	86.53	0.63	0.98
NVNT	ax40	5755	Ant1	84.03	0.76	1.85
NVNT	ax40	5795	Ant1	77.72	1.09	1.85

Test Graphs

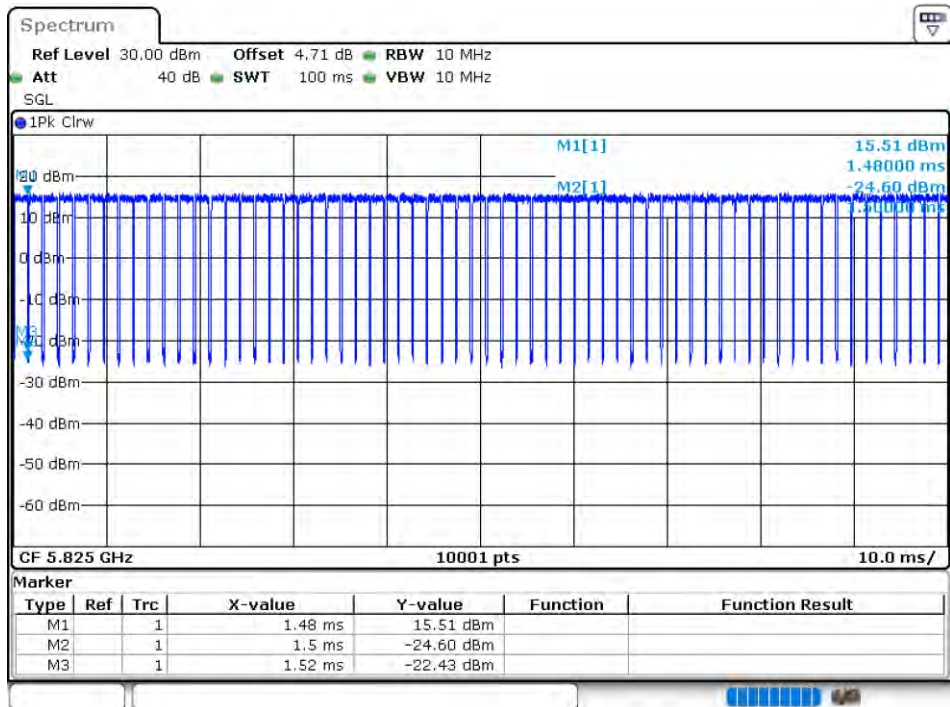
Duty Cycle NVNT a 5745MHz Ant1



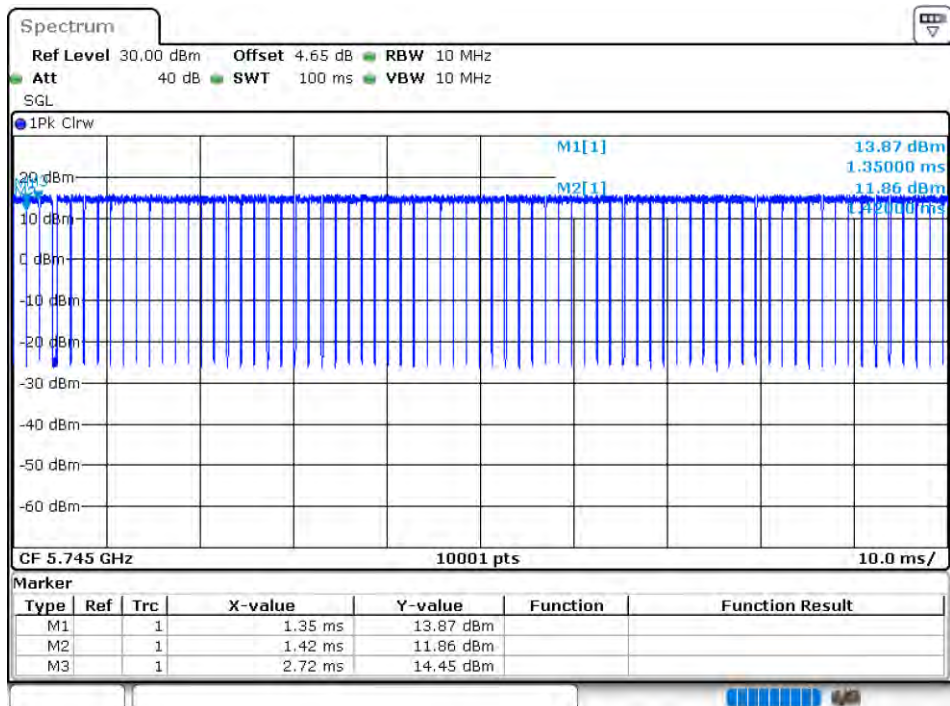
Duty Cycle NVNT a 5785MHz Ant1



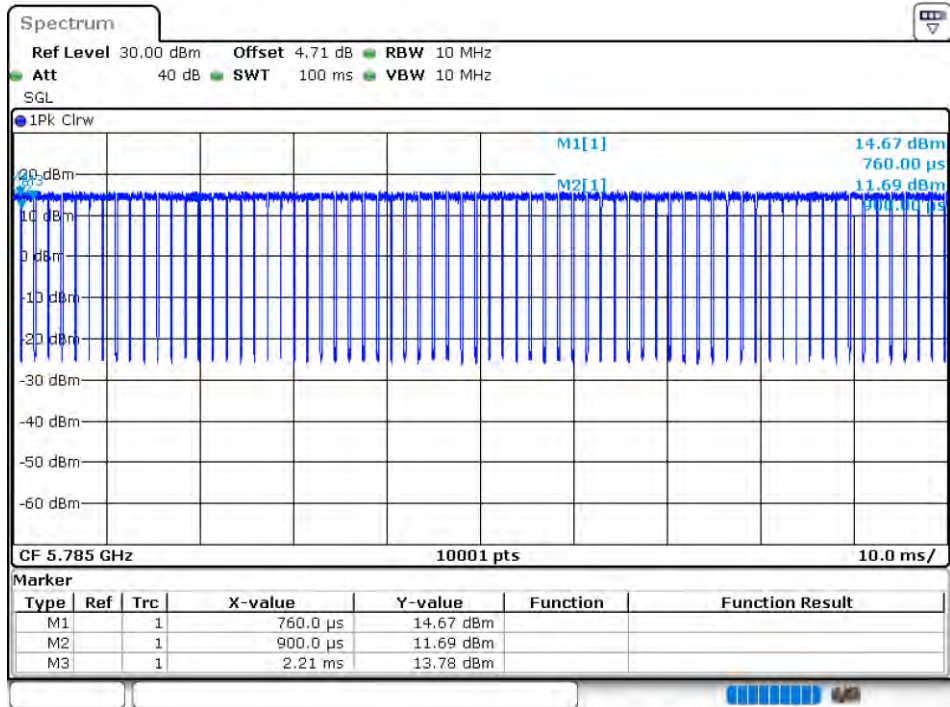
Duty Cycle NVNT a 5825MHz Ant1



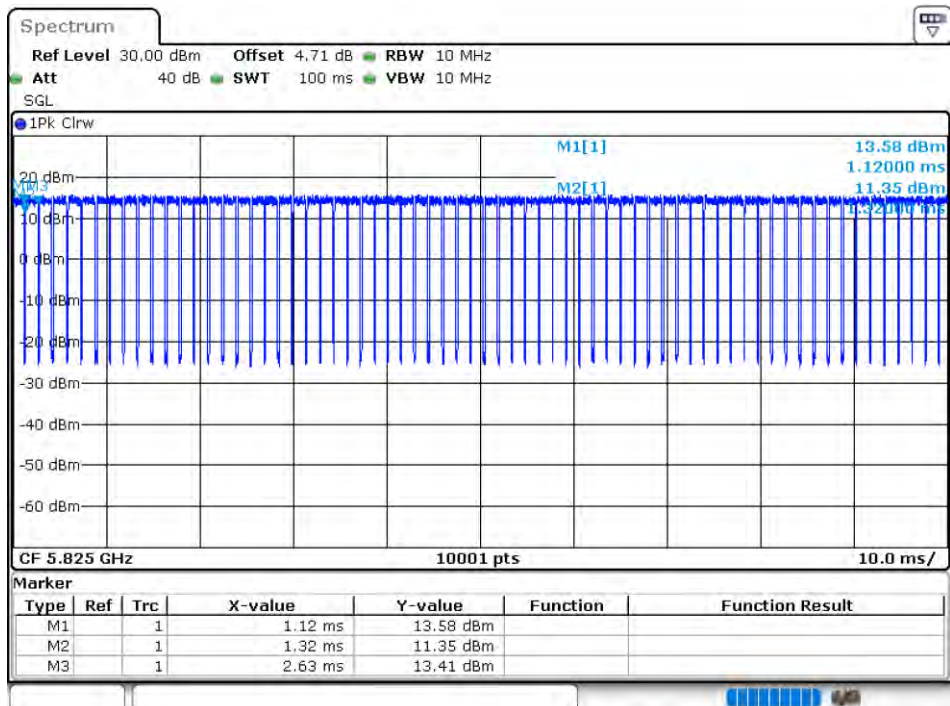
Duty Cycle NVNT n20 5745MHz Ant1



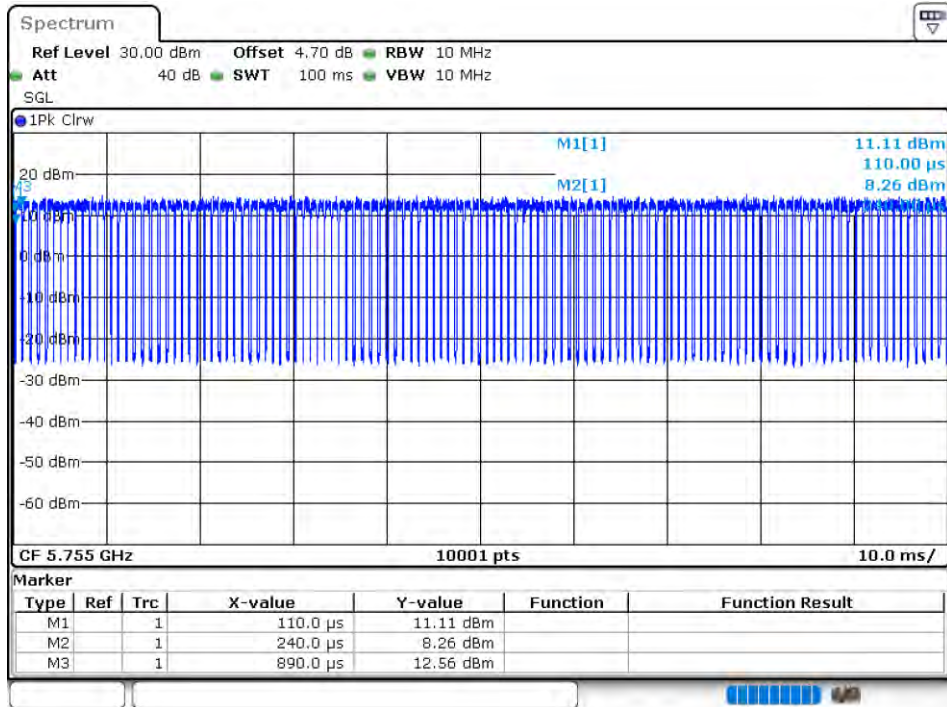
Duty Cycle NVNT n20 5785MHz Ant1



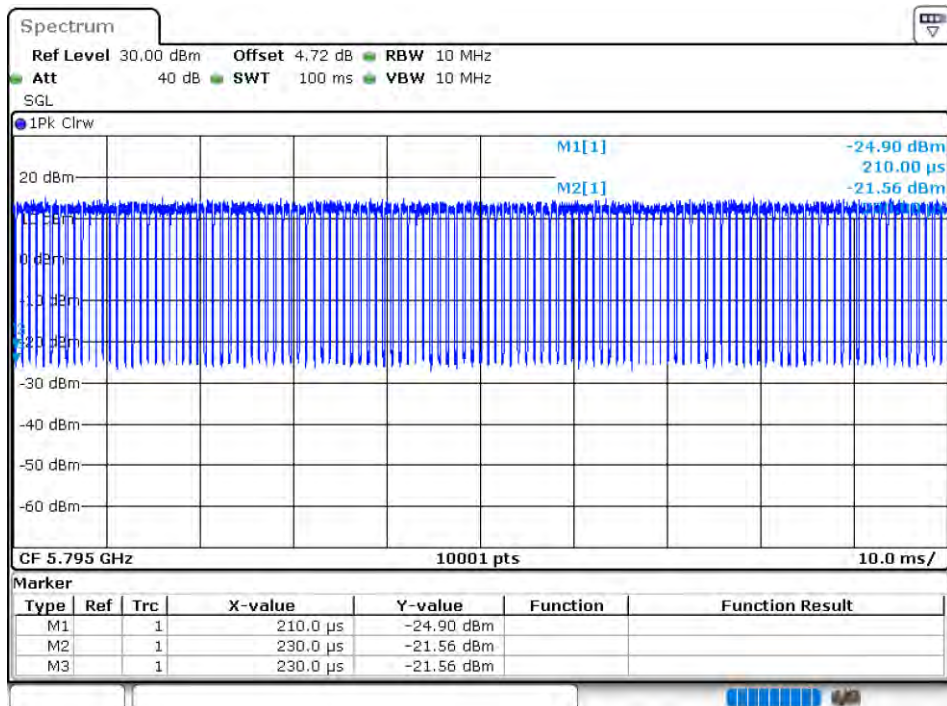
Duty Cycle NVNT n20 5825MHz Ant1



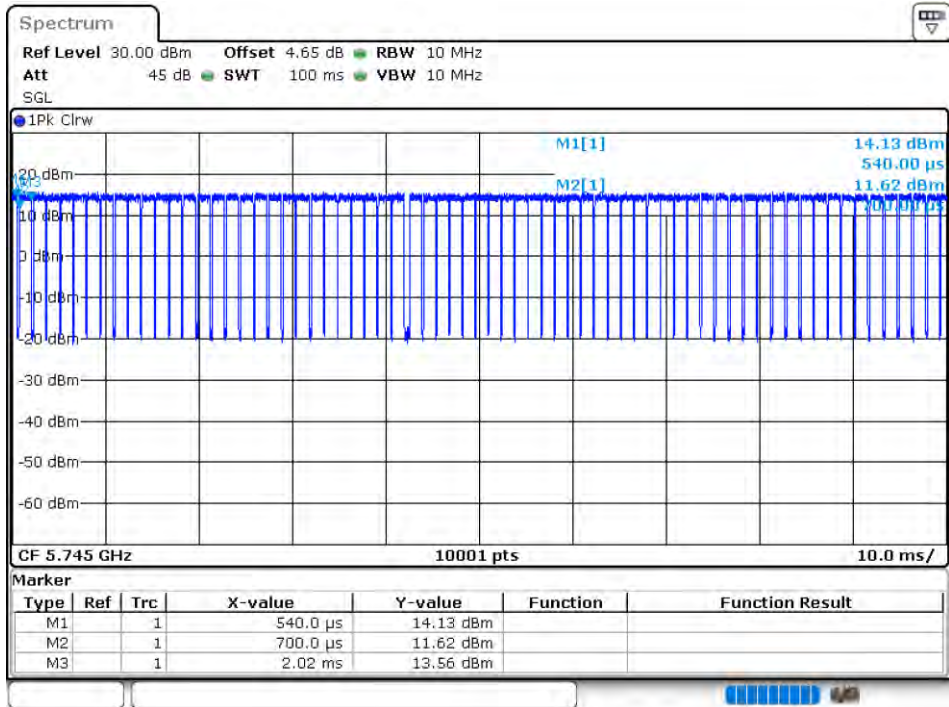
Duty Cycle NVNT n40 5755MHz Ant1



Duty Cycle NVNT n40 5795MHz Ant1



Duty Cycle NVNT ac20 5745MHz Ant1



Duty Cycle NVNT ac20 5785MHz Ant1

