

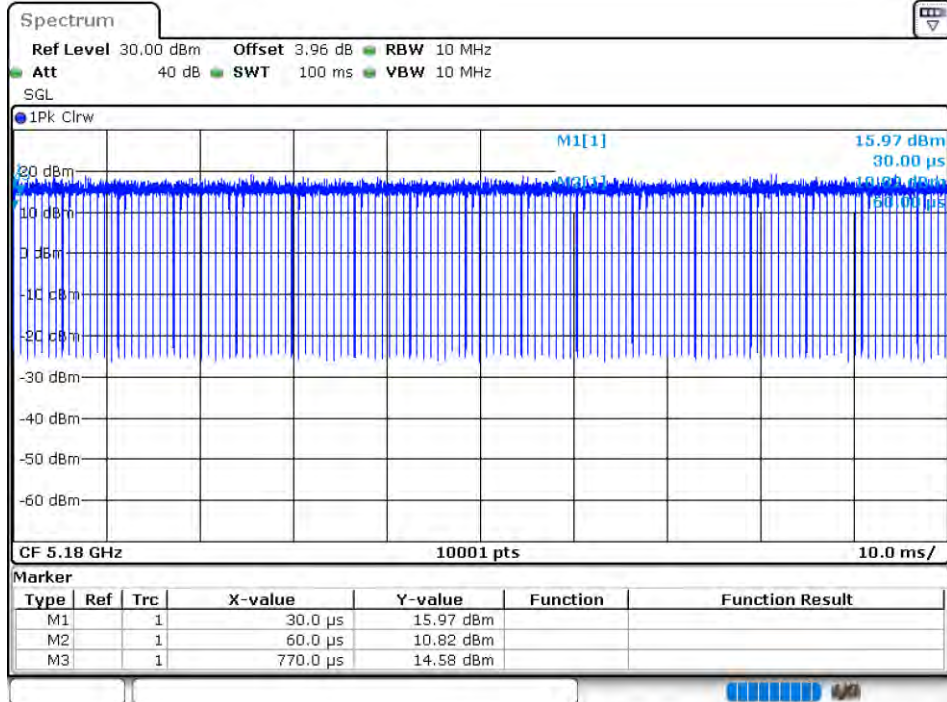
5.2G WIFI

Duty Cycle

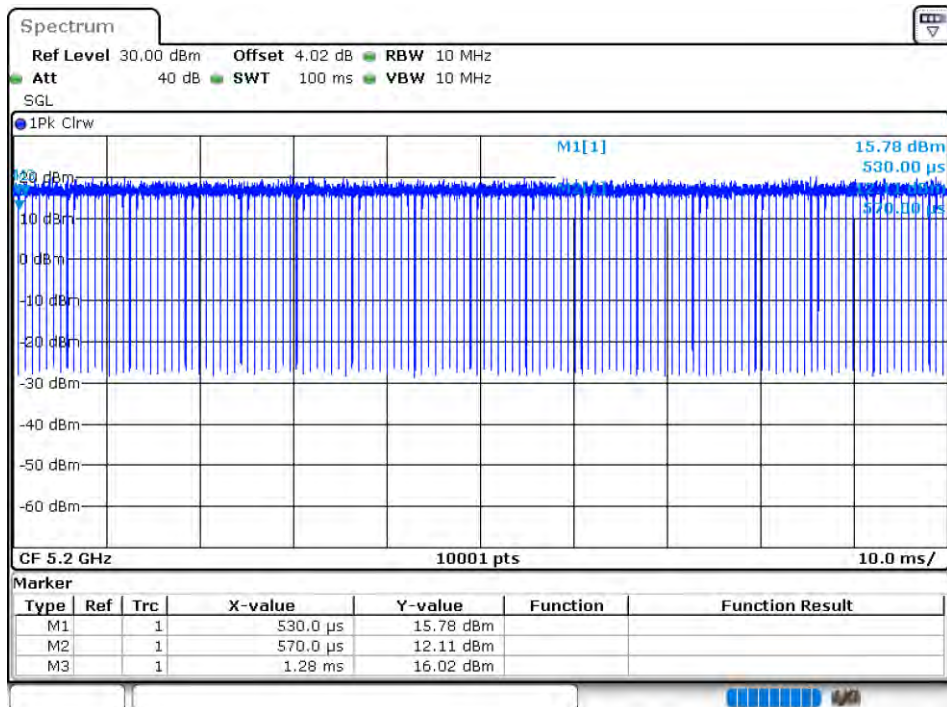
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	96.48	0.16	1.41
NVNT	a	5200	Ant1	96.48	0.16	1.41
NVNT	a	5240	Ant1	96.5	0.15	1.43
NVNT	n20	5180	Ant1	98.03	0.09	0.76
NVNT	n20	5200	Ant1	98.03	0.09	0.76
NVNT	n20	5240	Ant1	98.03	0.09	0.76
NVNT	n40	5190	Ant1	99.47	0.02	0.2
NVNT	n40	5230	Ant1	99.5	0.02	0.2
NVNT	ac20	5180	Ant1	97.82	0.1	0.76
NVNT	ac20	5200	Ant1	96.36	0.16	0.76
NVNT	ac20	5240	Ant1	98.06	0.09	0.76
NVNT	ac40	5190	Ant1	99.48	0.02	0.2
NVNT	ac40	5230	Ant1	99.47	0.02	0.2
NVNT	ax20	5180	Ant1	99.35	0.03	0.26
NVNT	ax20	5200	Ant1	99.33	0.03	0.26
NVNT	ax20	5240	Ant1	99.33	0.03	0.26
NVNT	ax40	5190	Ant1	98.75	0.05	0.51
NVNT	ax40	5230	Ant1	98.8	0.05	0.51

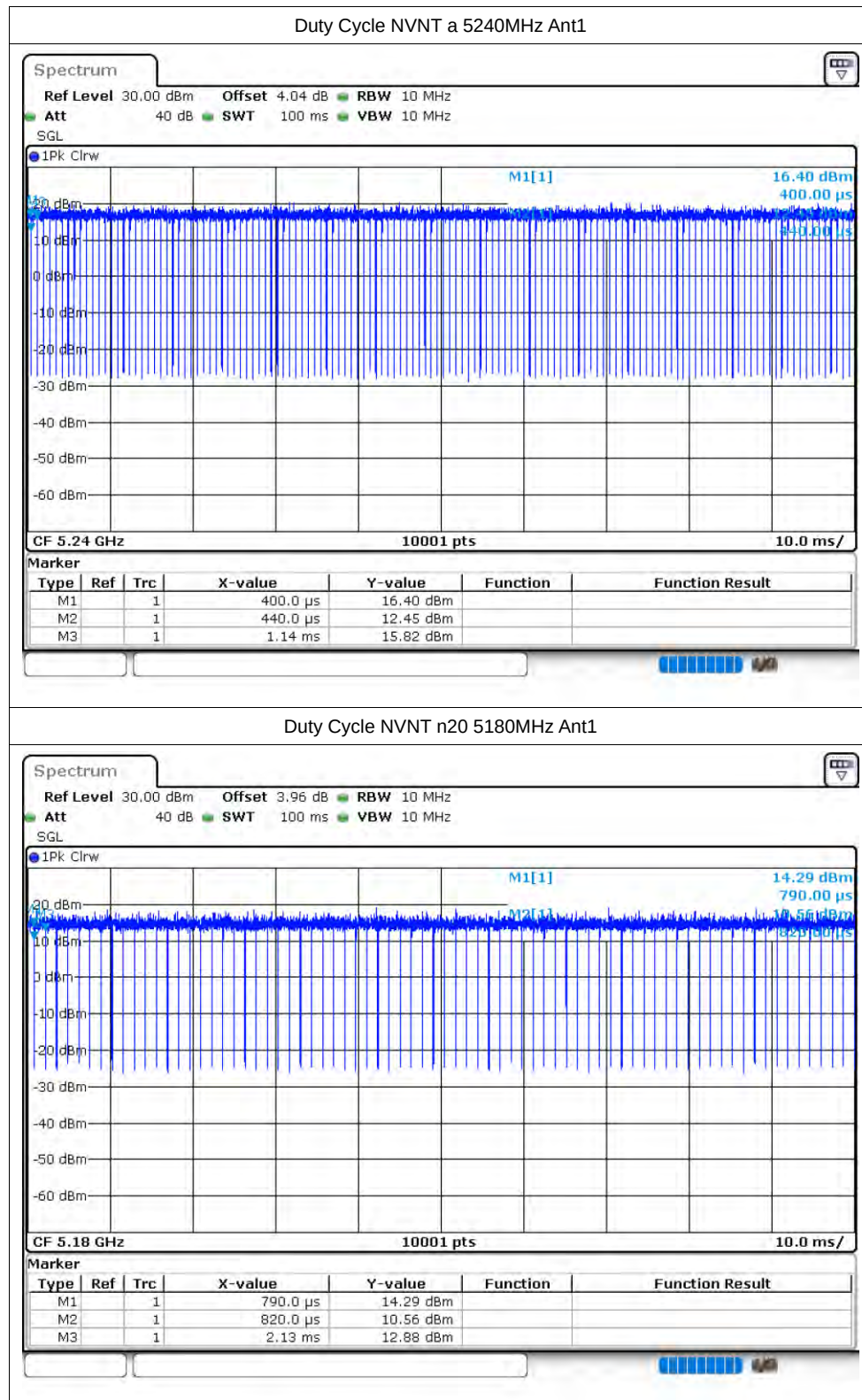
Test Graphs

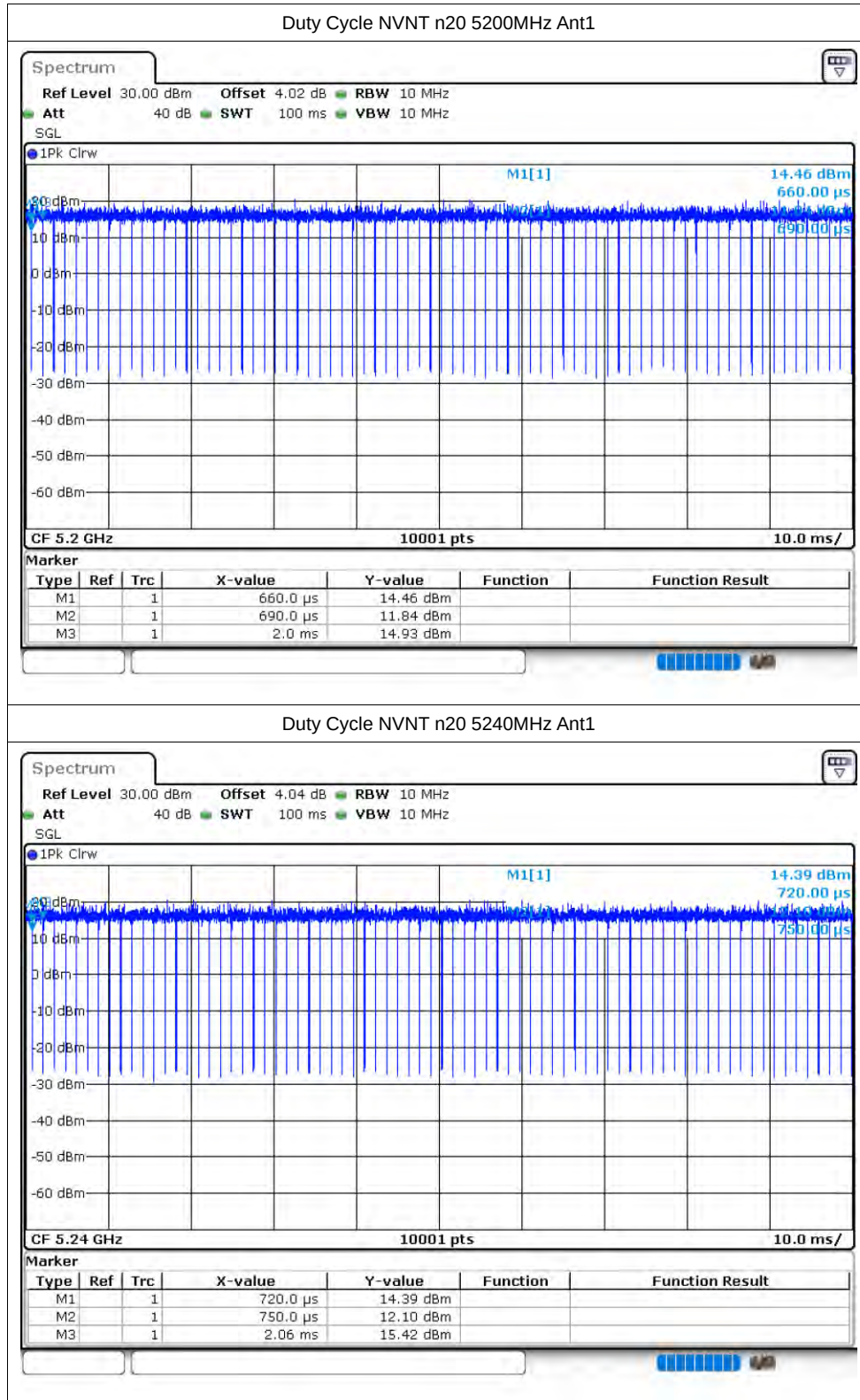
Duty Cycle NVNT a 5180MHz Ant1

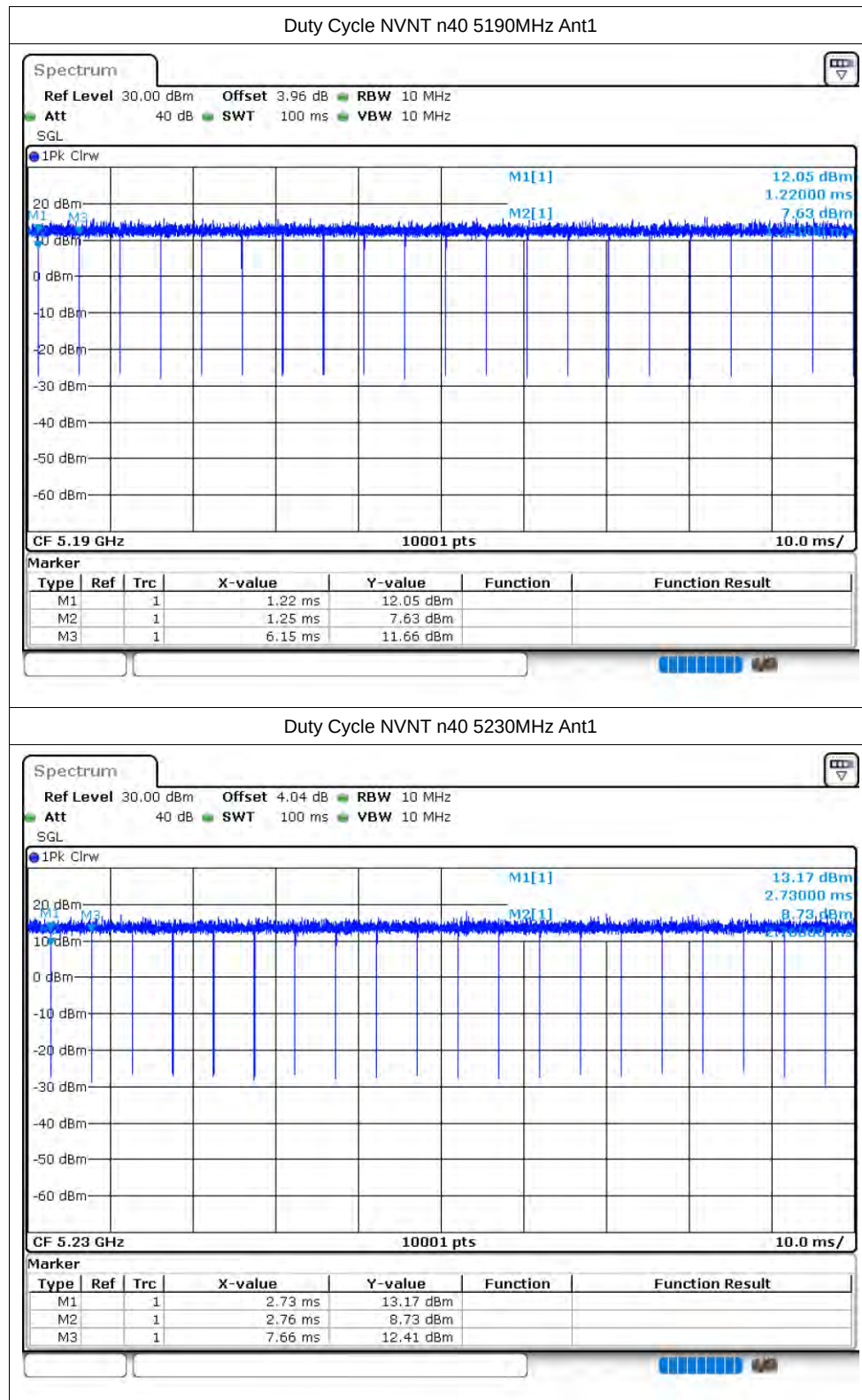


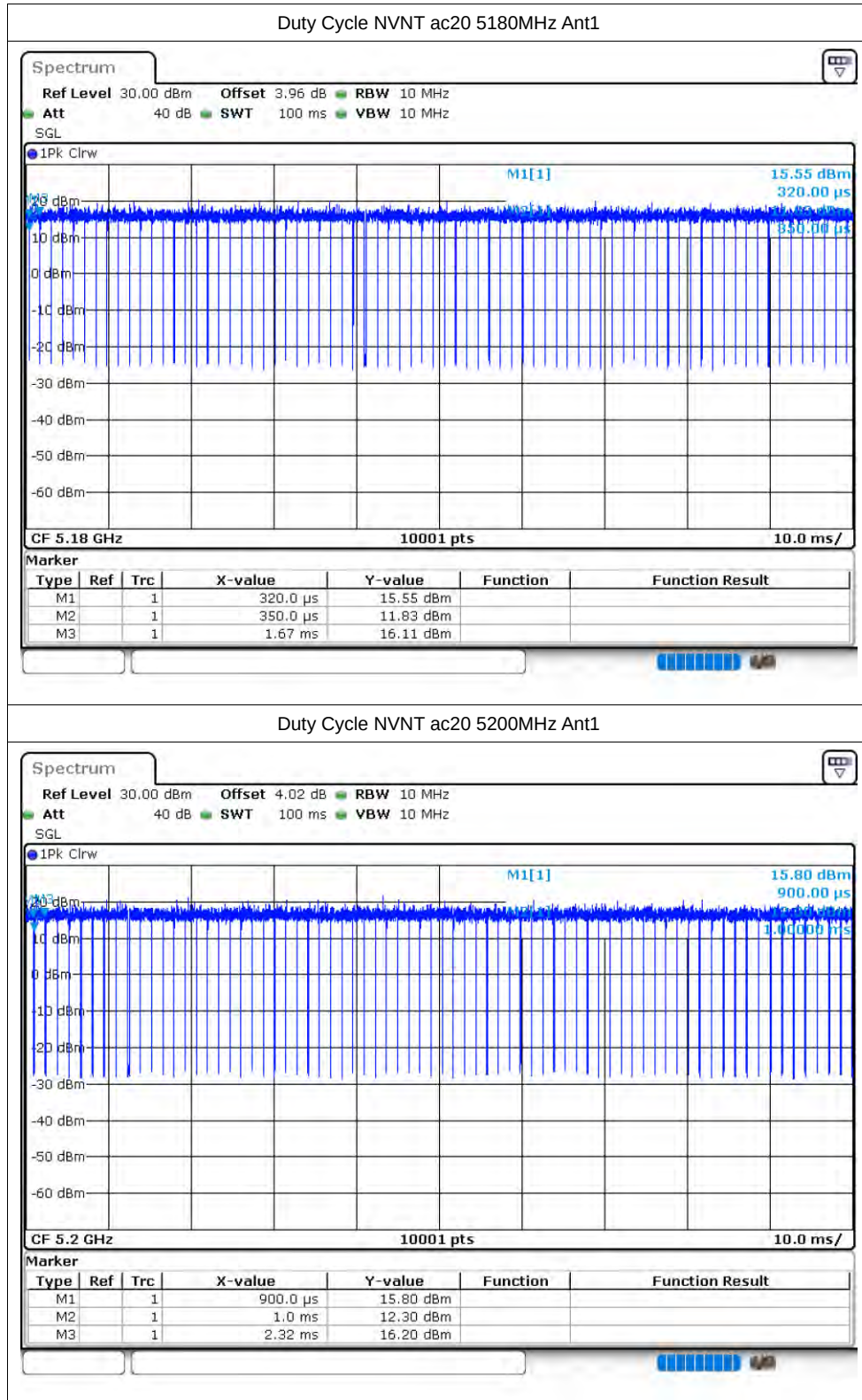
Duty Cycle NVNT a 5200MHz Ant1



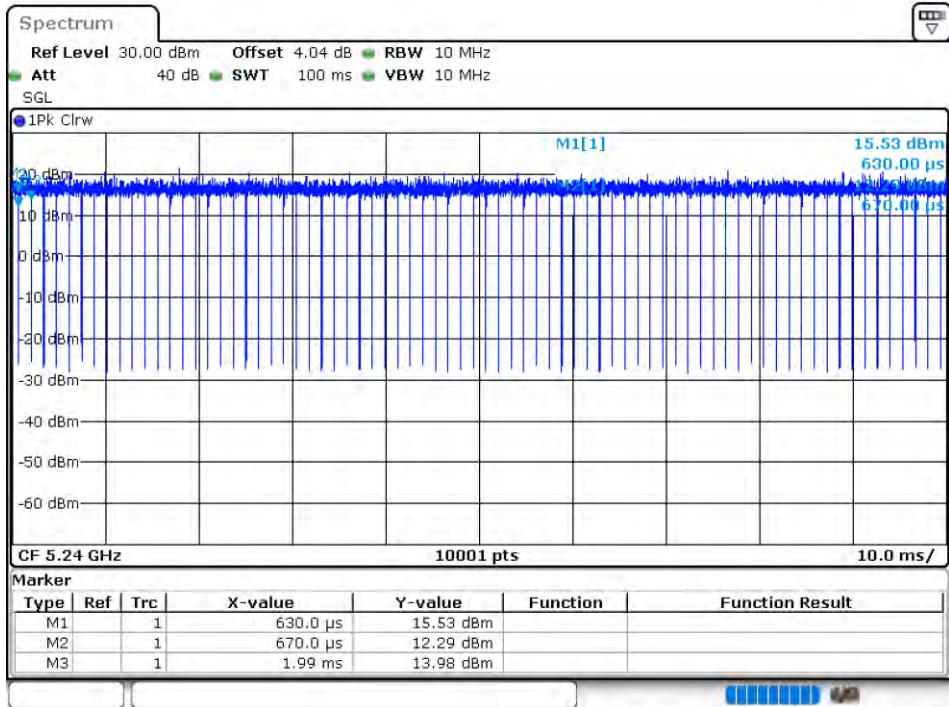




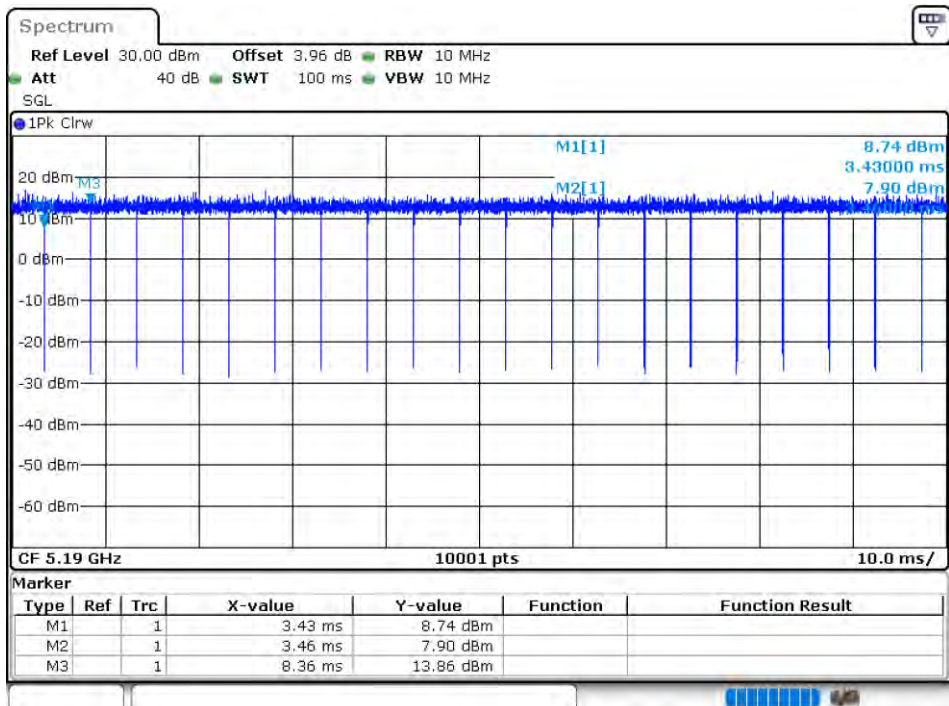


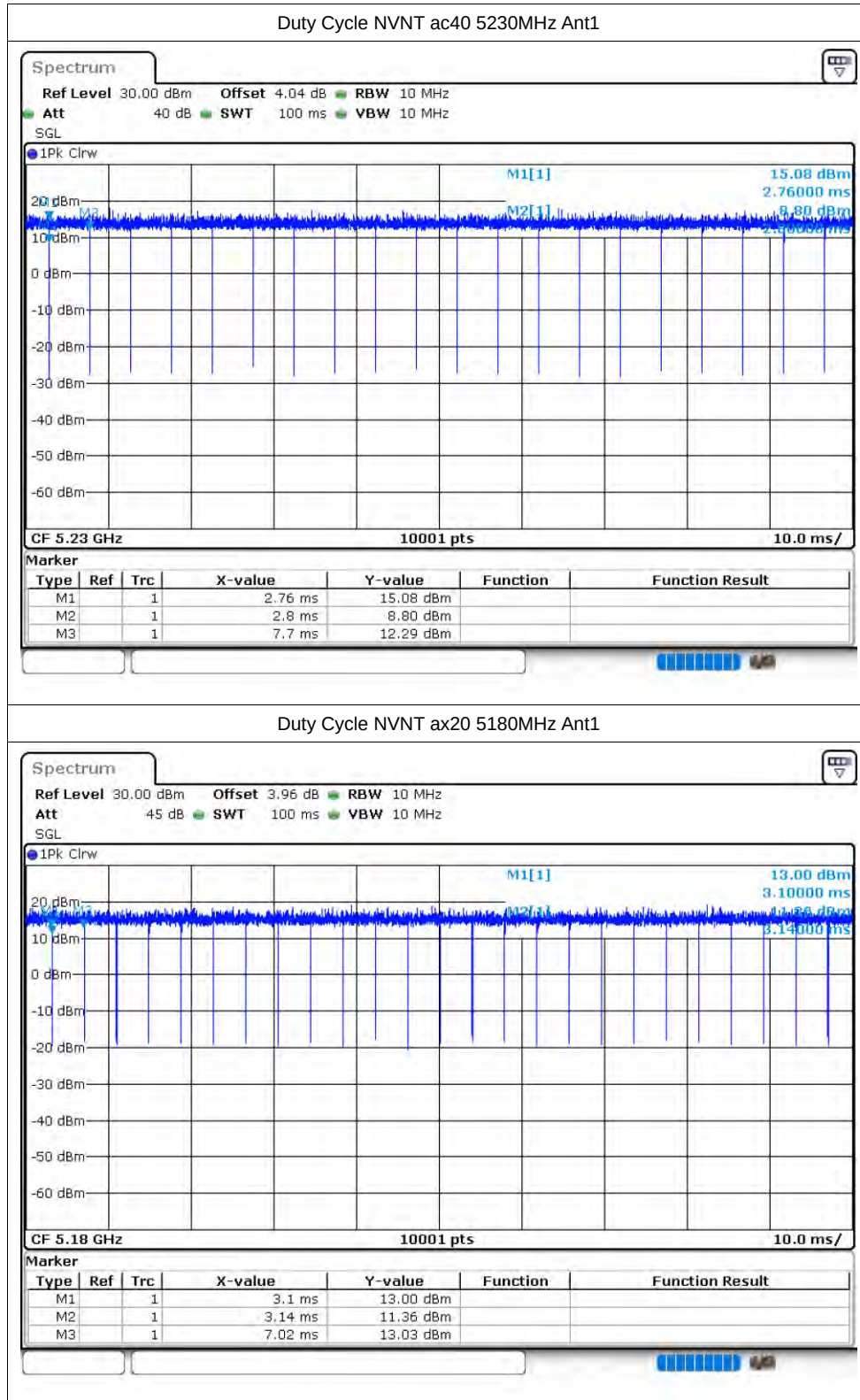


Duty Cycle NVNT ac20 5240MHz Ant1

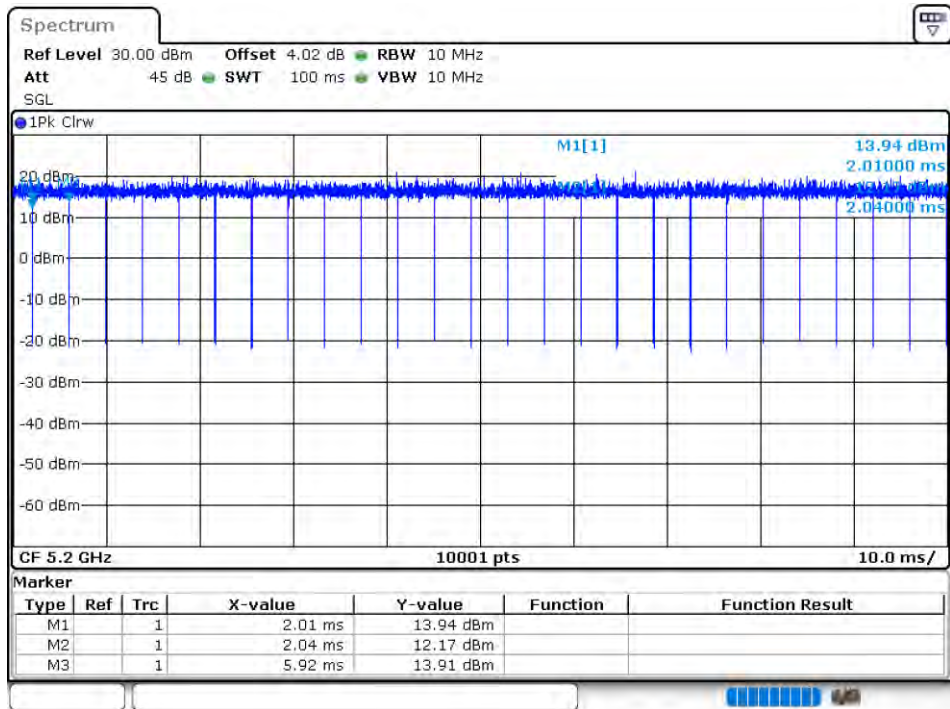


Duty Cycle NVNT ac40 5190MHz Ant1

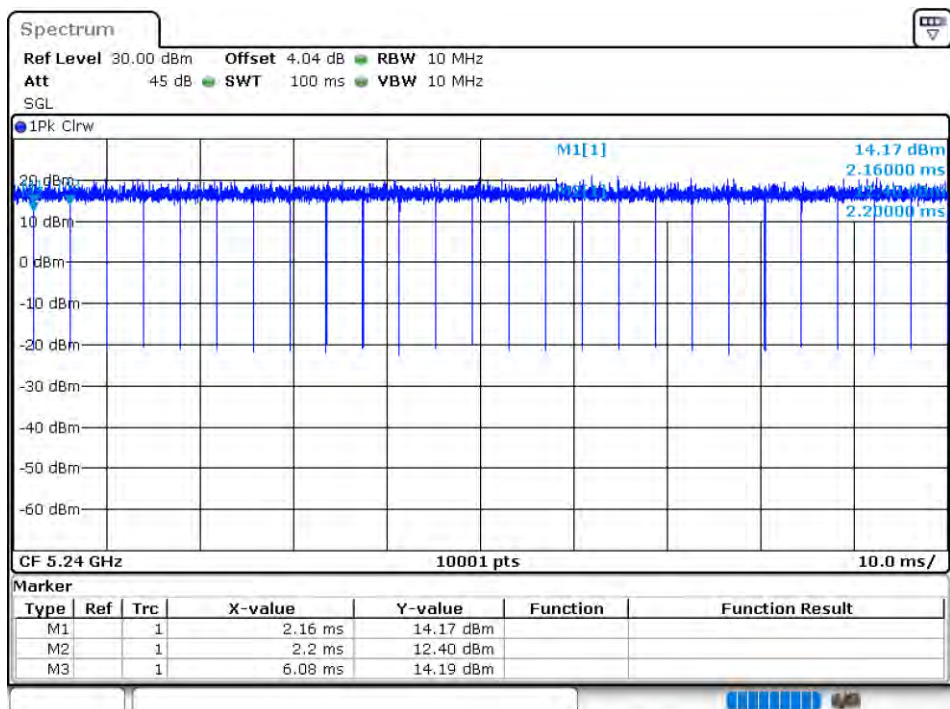




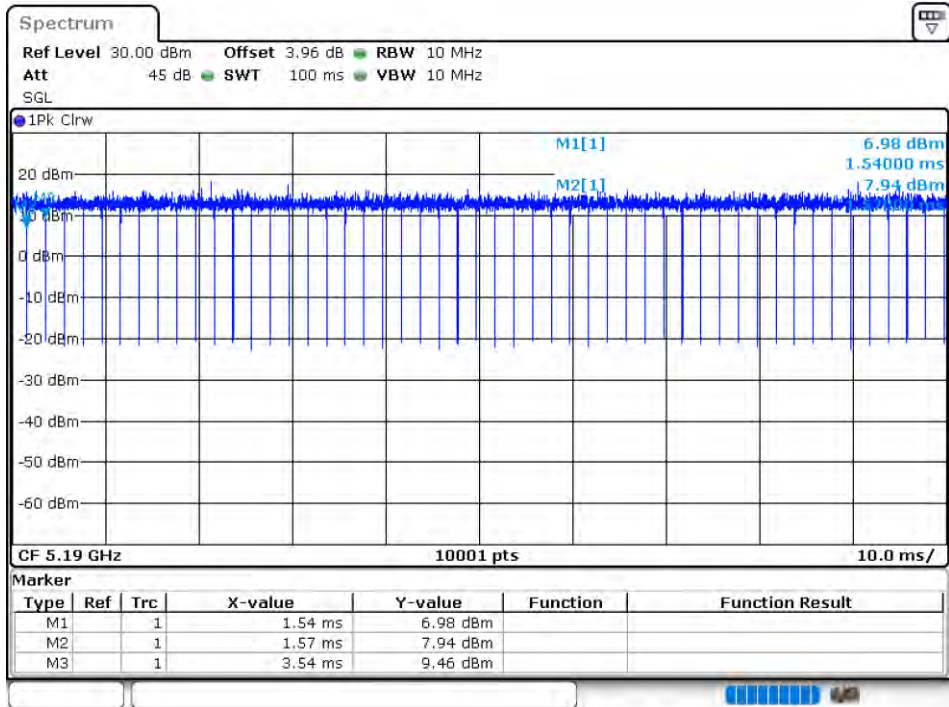
Duty Cycle NVNT ax20 5200MHz Ant1



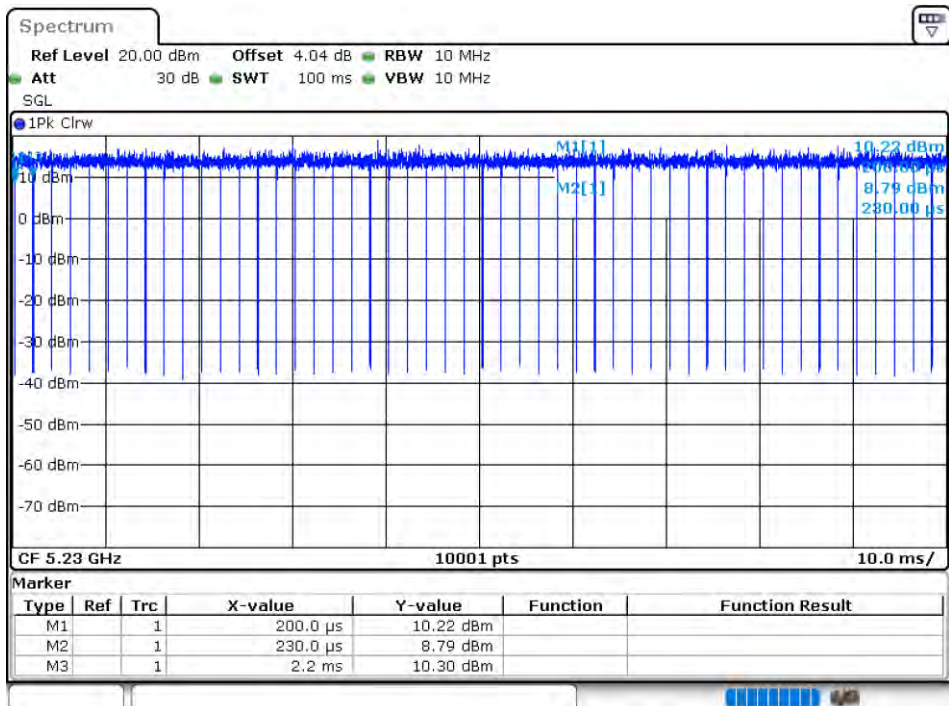
Duty Cycle NVNT ax20 5240MHz Ant1



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	11.17	24	Pass
NVNT	a	5200	Ant1	11.41	24	Pass
NVNT	a	5240	Ant1	11.87	24	Pass
NVNT	n20	5180	Ant1	11.35	24	Pass
NVNT	n20	5200	Ant1	11.28	24	Pass
NVNT	n20	5240	Ant1	11.75	24	Pass
NVNT	n40	5190	Ant1	10.95	24	Pass
NVNT	n40	5230	Ant1	11.48	24	Pass
NVNT	ac20	5180	Ant1	11.62	24	Pass
NVNT	ac20	5200	Ant1	11.57	24	Pass
NVNT	ac20	5240	Ant1	12	24	Pass
NVNT	ac40	5190	Ant1	11.06	24	Pass
NVNT	ac40	5230	Ant1	12.05	24	Pass
NVNT	ax20	5180	Ant1	11.35	24	Pass
NVNT	ax20	5200	Ant1	11.52	24	Pass
NVNT	ax20	5240	Ant1	12.15	24	Pass
NVNT	ax40	5190	Ant1	11.12	24	Pass
NVNT	ax40	5230	Ant1	11.7	24	Pass

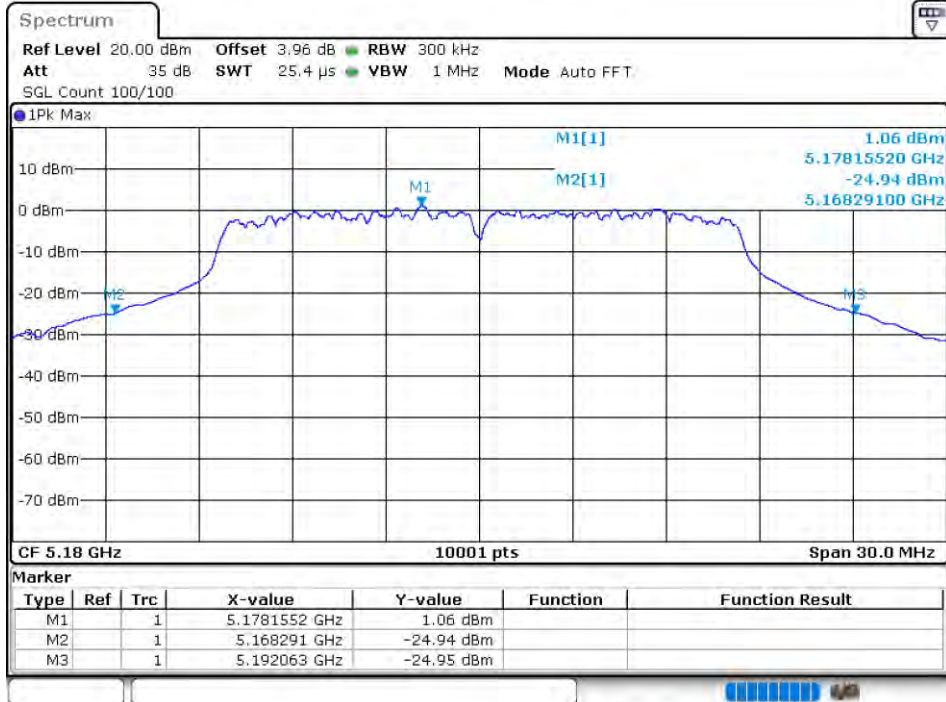
Note: The average power has contained duty cycle

-26dB Bandwidth

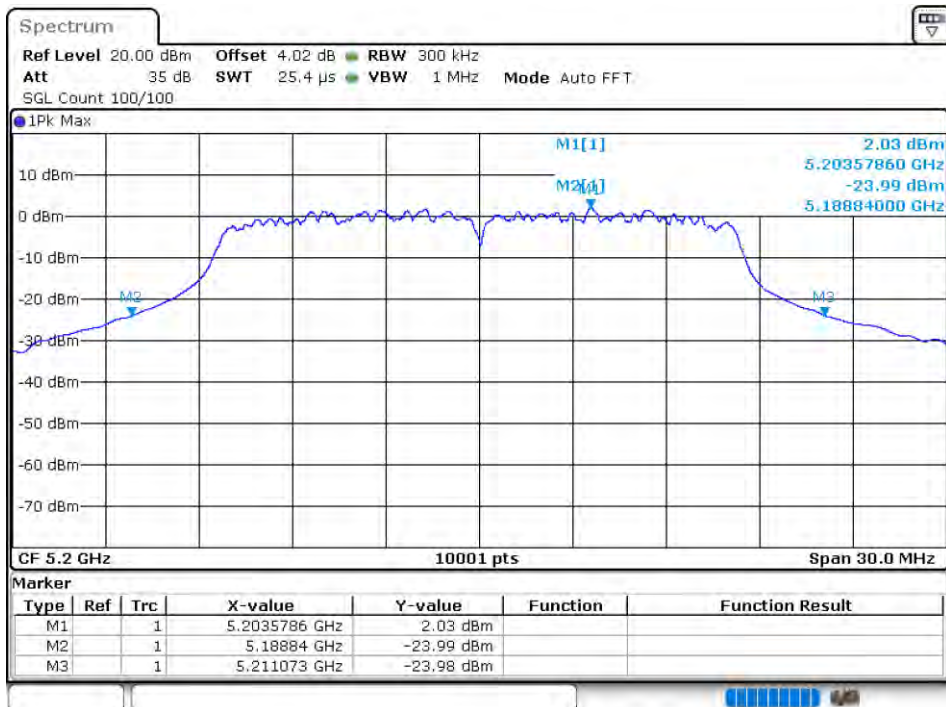
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	23.772	Pass
NVNT	a	5200	Ant1	22.233	Pass
NVNT	a	5240	Ant1	22.224	Pass
NVNT	n20	5180	Ant1	24.216	Pass
NVNT	n20	5200	Ant1	24.252	Pass
NVNT	n20	5240	Ant1	25.74	Pass
NVNT	n40	5190	Ant1	46.818	Pass
NVNT	n40	5230	Ant1	47.1	Pass
NVNT	ac20	5180	Ant1	23.958	Pass
NVNT	ac20	5200	Ant1	24.426	Pass
NVNT	ac20	5240	Ant1	24.549	Pass
NVNT	ac40	5190	Ant1	46.92	Pass
NVNT	ac40	5230	Ant1	46.692	Pass
NVNT	ax20	5180	Ant1	23.55	Pass
NVNT	ax20	5200	Ant1	24.318	Pass
NVNT	ax20	5240	Ant1	23.124	Pass
NVNT	ax40	5190	Ant1	44.952	Pass
NVNT	ax40	5230	Ant1	45.78	Pass

Test Graphs

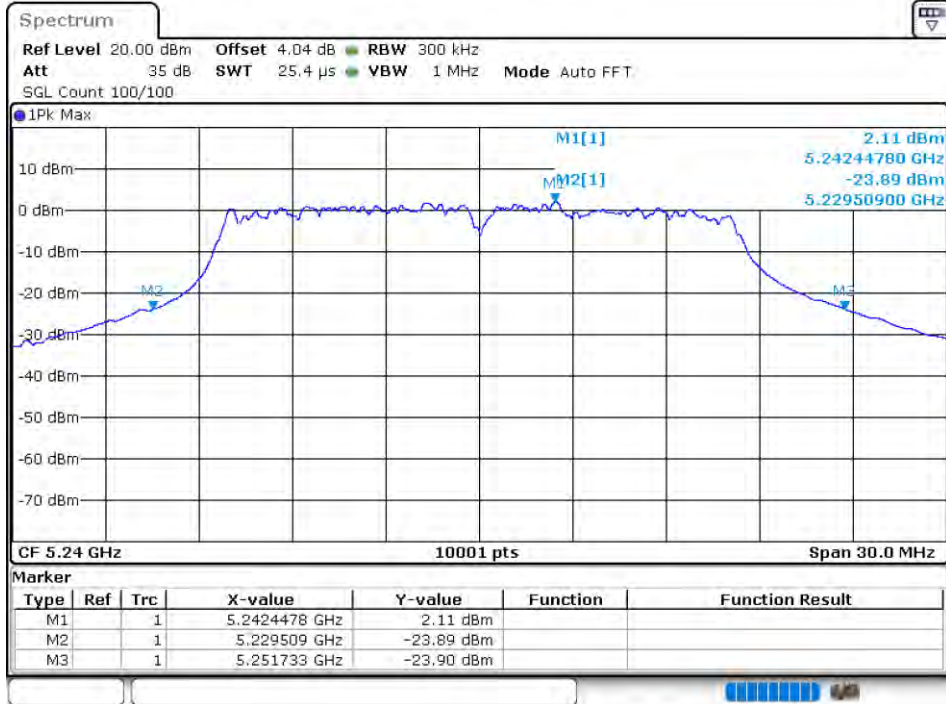
-26dB Bandwidth NVNT a 5180MHz Ant1



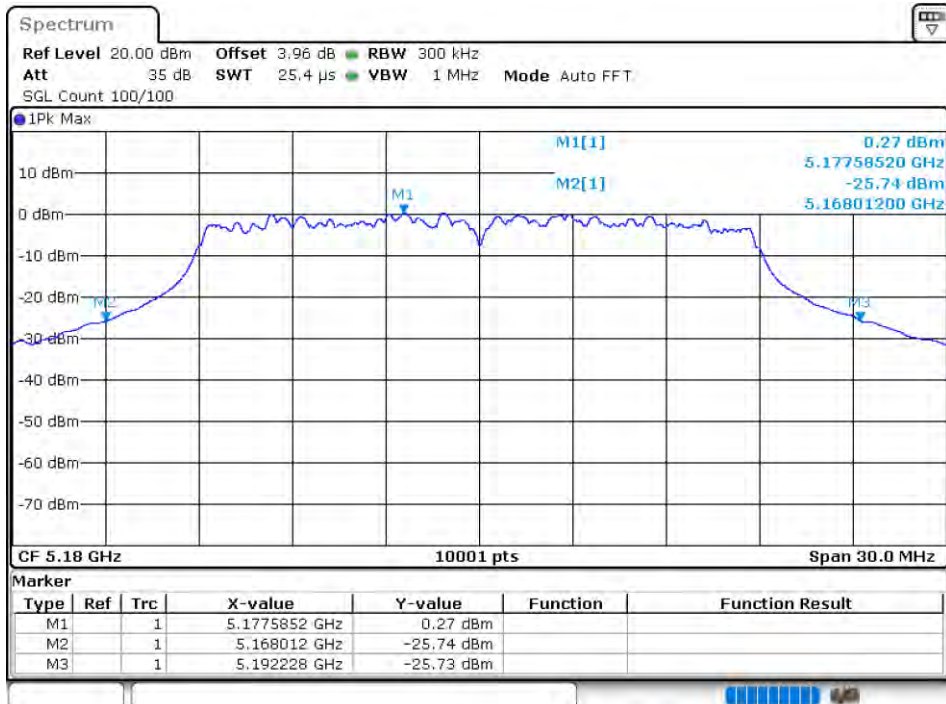
-26dB Bandwidth NVNT a 5200MHz Ant1



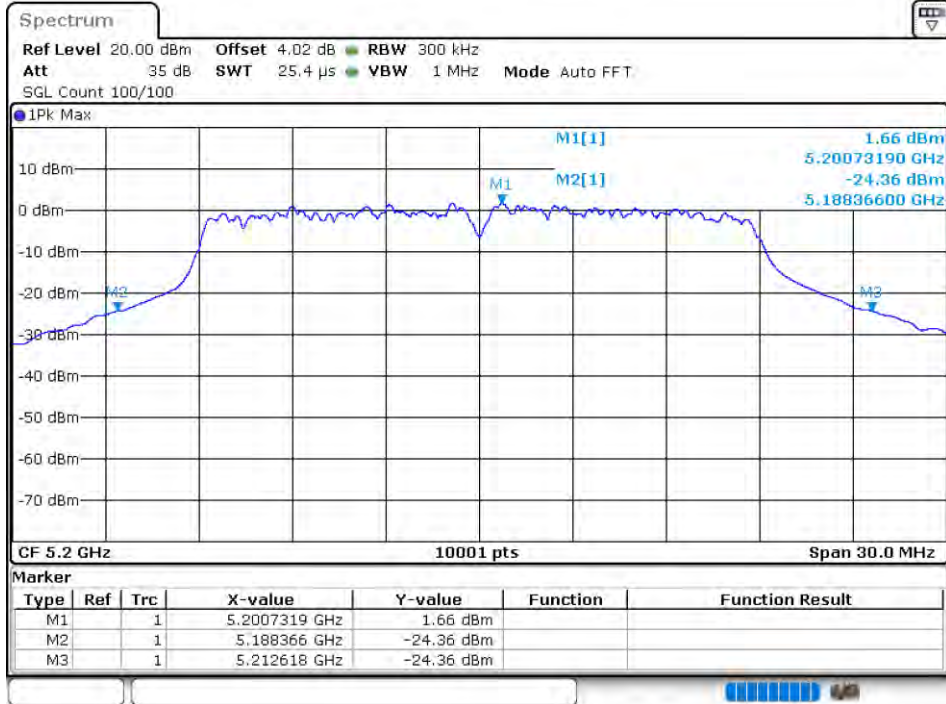
-26dB Bandwidth NVNT a 5240MHz Ant1



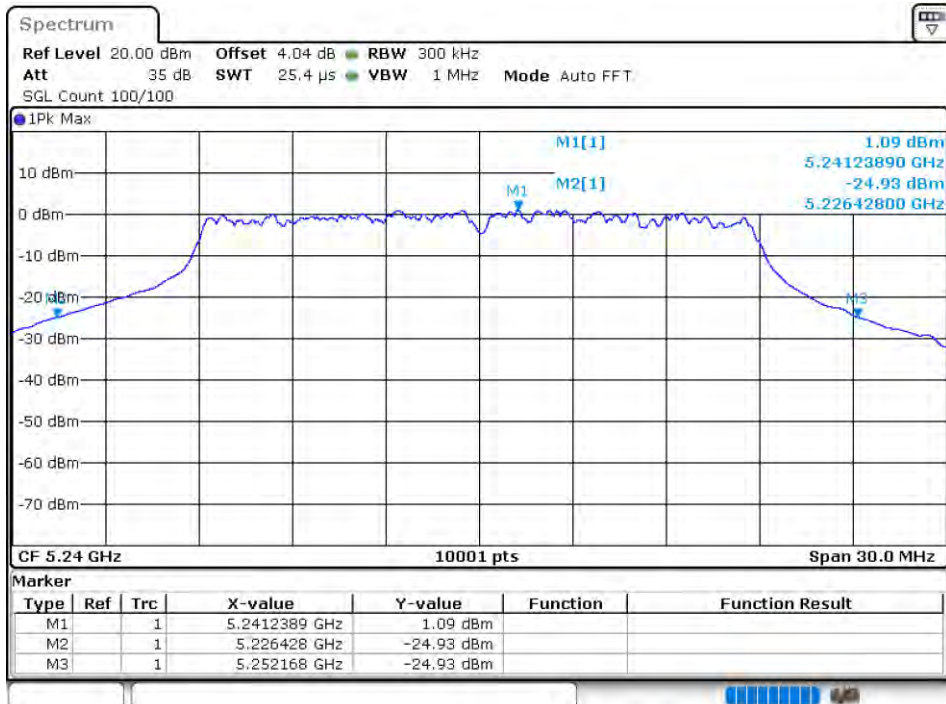
-26dB Bandwidth NVNT n20 5180MHz Ant1



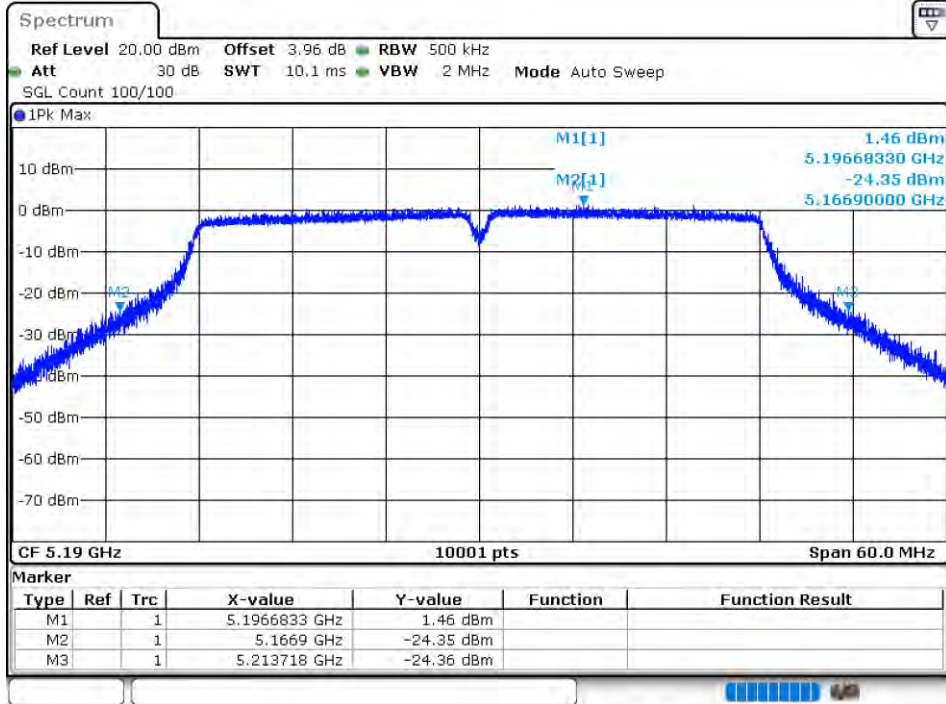
-26dB Bandwidth NVNT n20 5200MHz Ant1



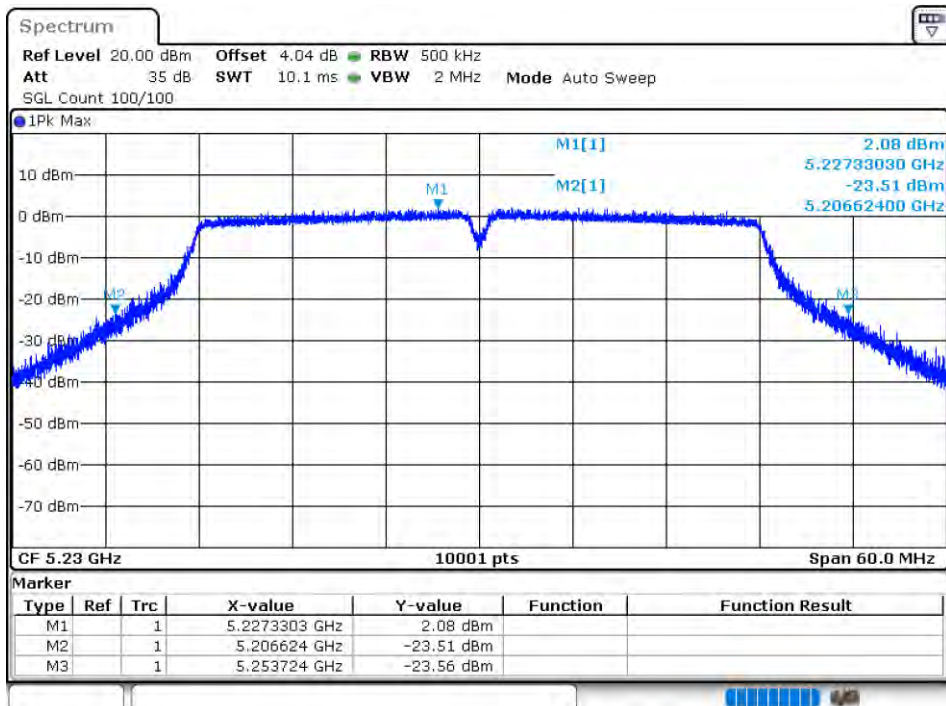
-26dB Bandwidth NVNT n20 5240MHz Ant1



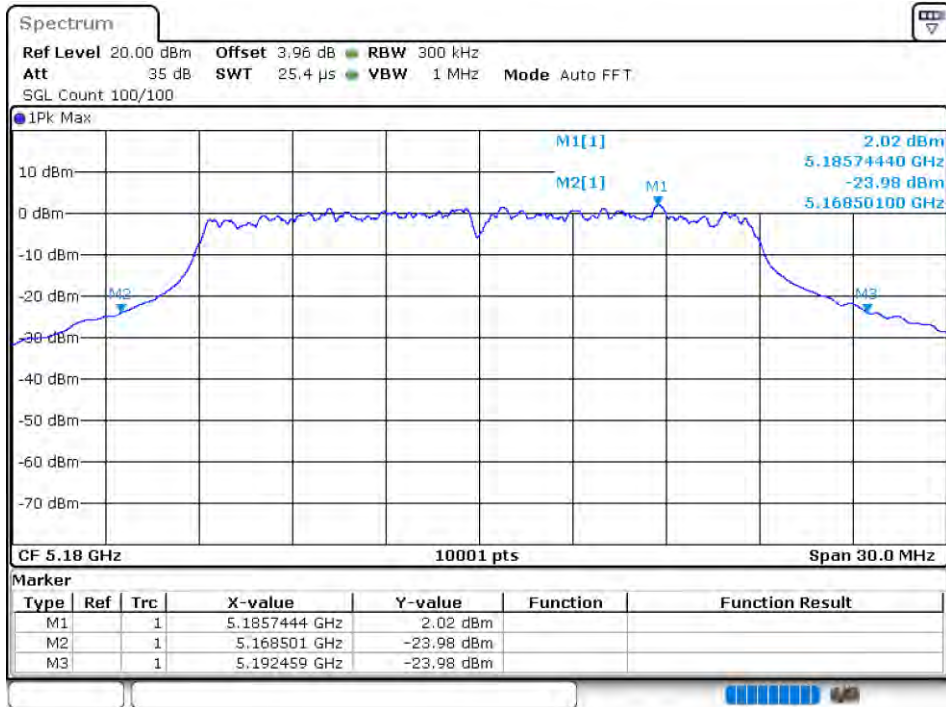
-26dB Bandwidth NVNT n40 5190MHz Ant1



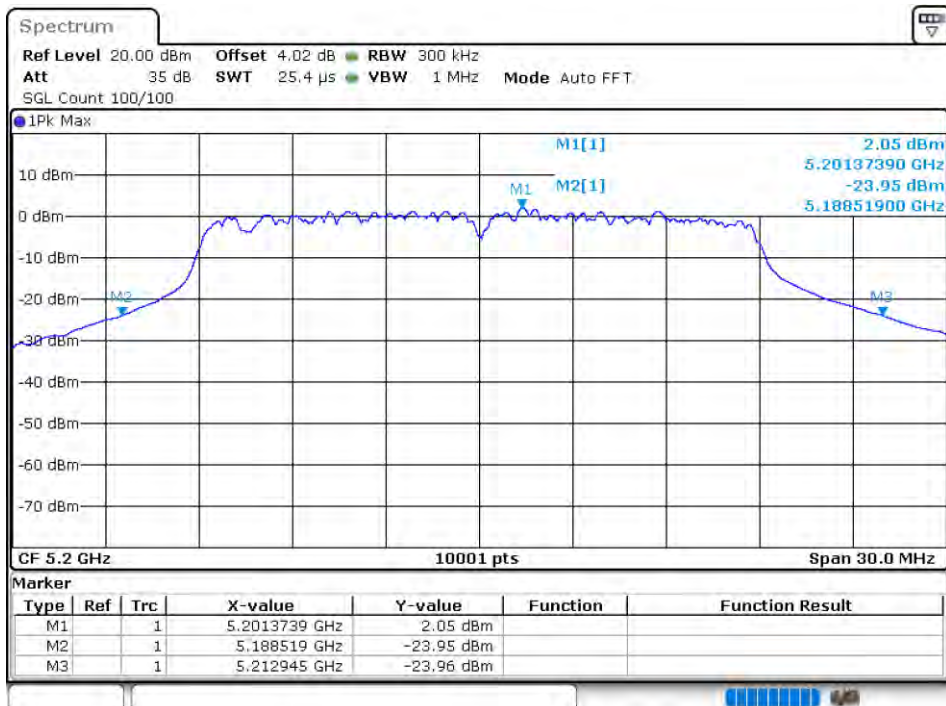
-26dB Bandwidth NVNT n40 5230MHz Ant1



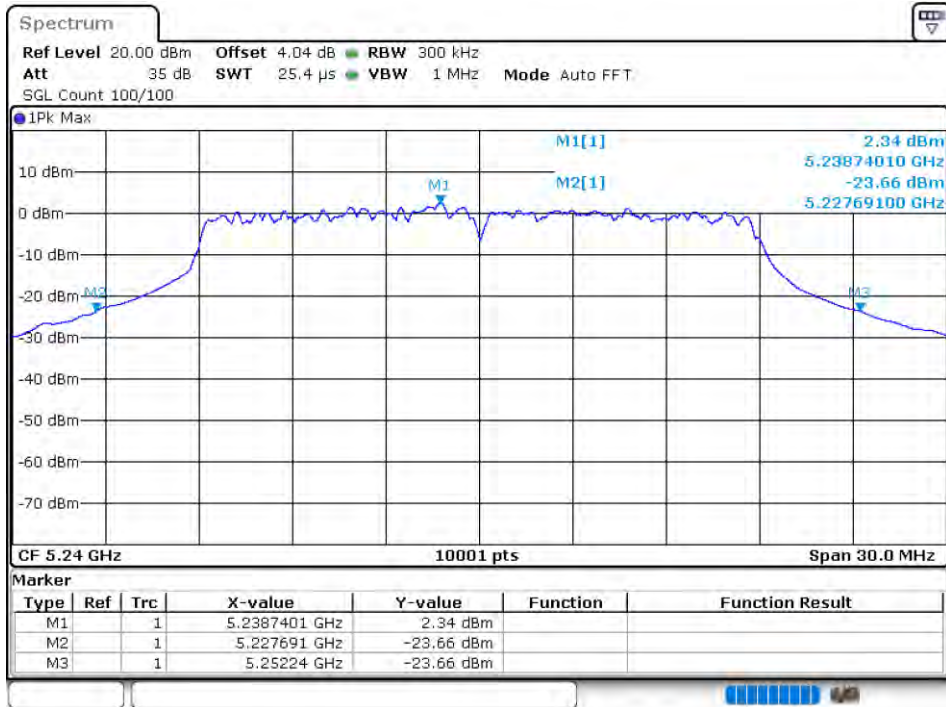
-26dB Bandwidth NVNT ac20 5180MHz Ant1



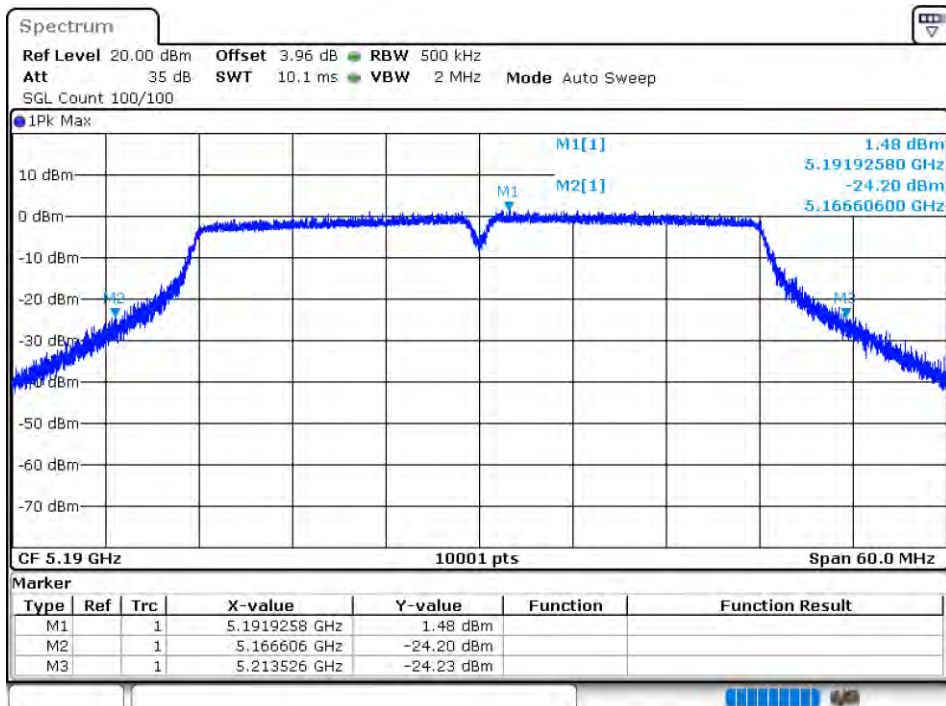
-26dB Bandwidth NVNT ac20 5200MHz Ant1



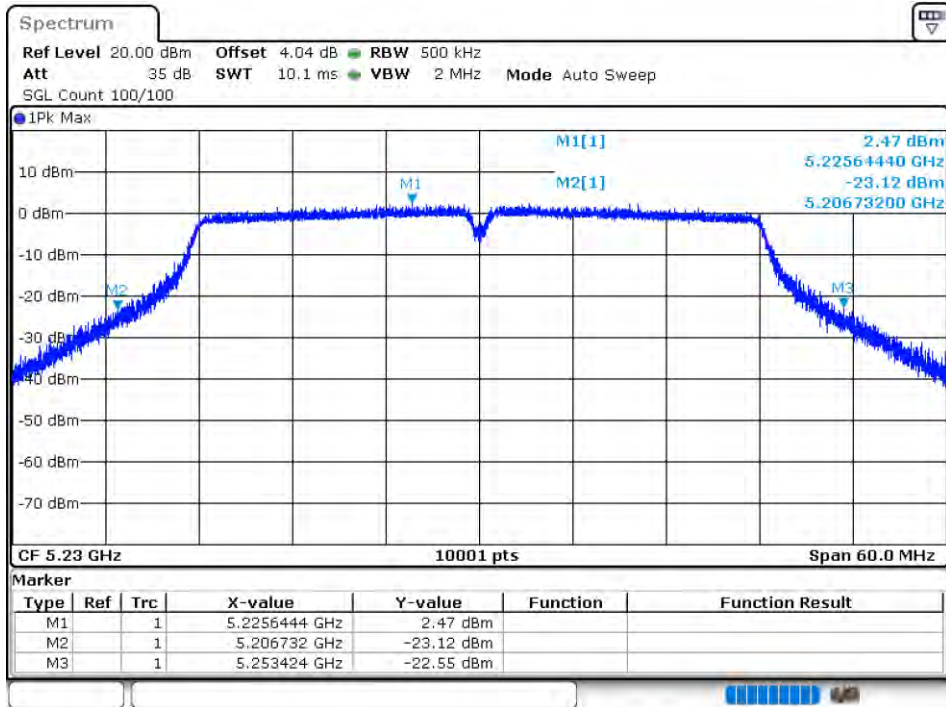
-26dB Bandwidth NVNT ac20 5240MHz Ant1



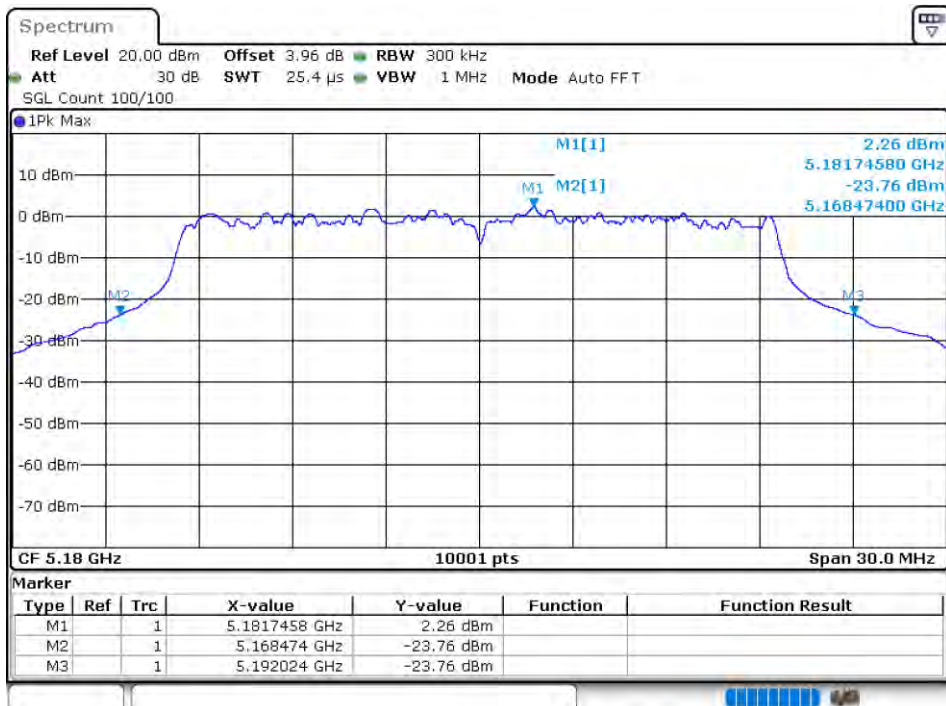
-26dB Bandwidth NVNT ac40 5190MHz Ant1



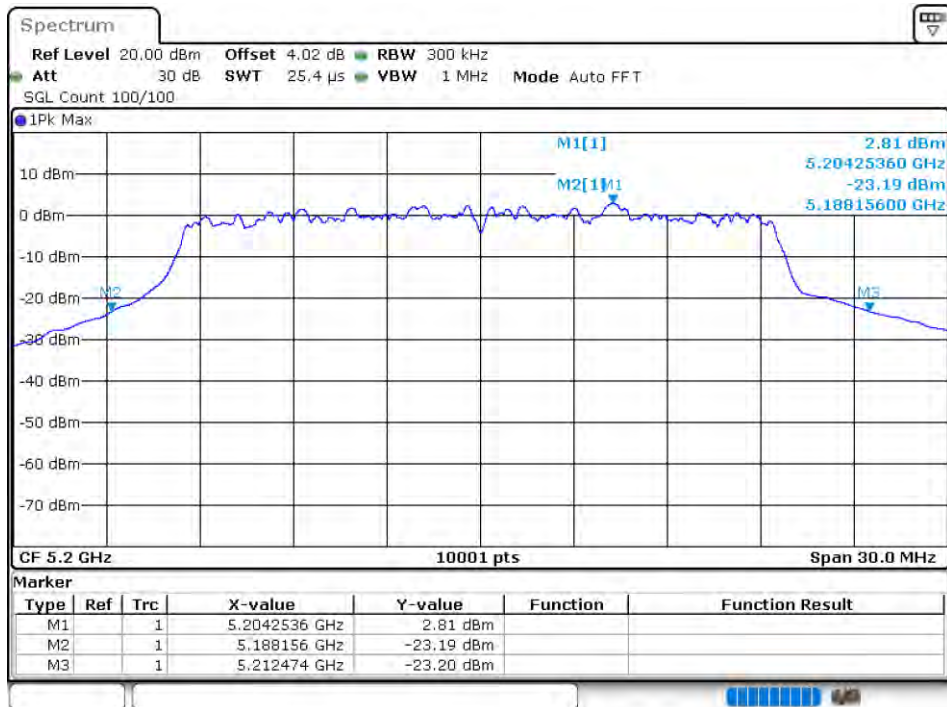
-26dB Bandwidth NVNT ac40 5230MHz Ant1



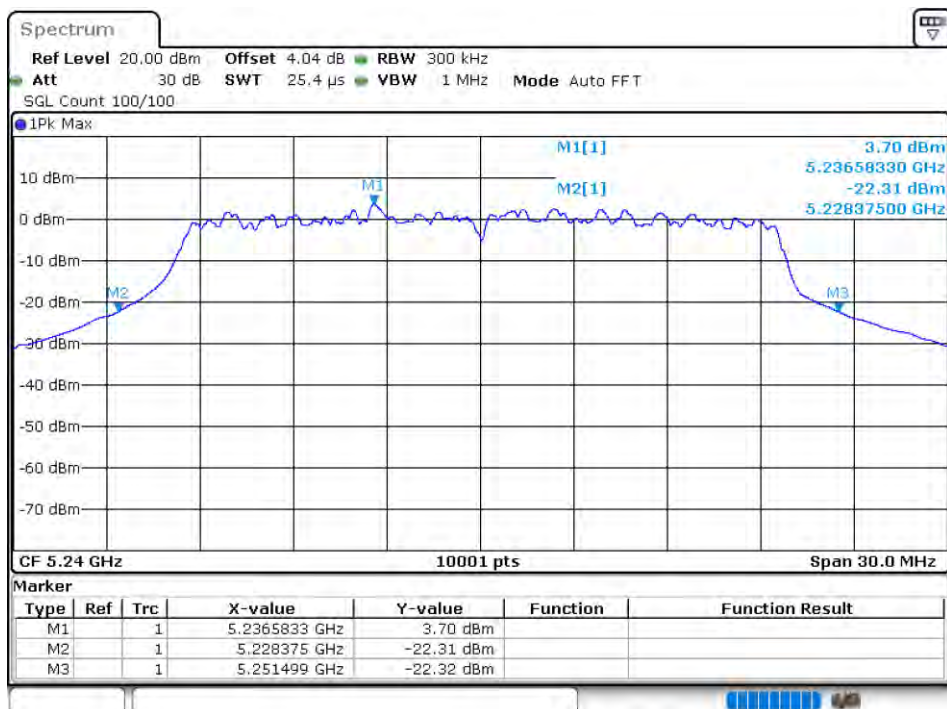
-26dB Bandwidth NVNT ax20 5180MHz Ant1



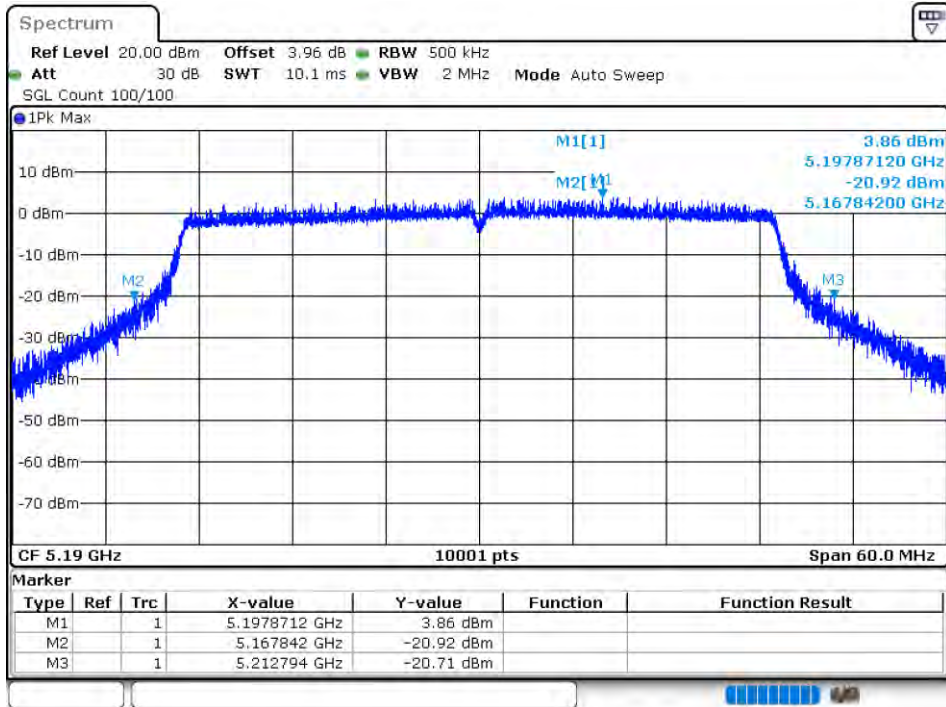
-26dB Bandwidth NVNT ax20 5200MHz Ant1



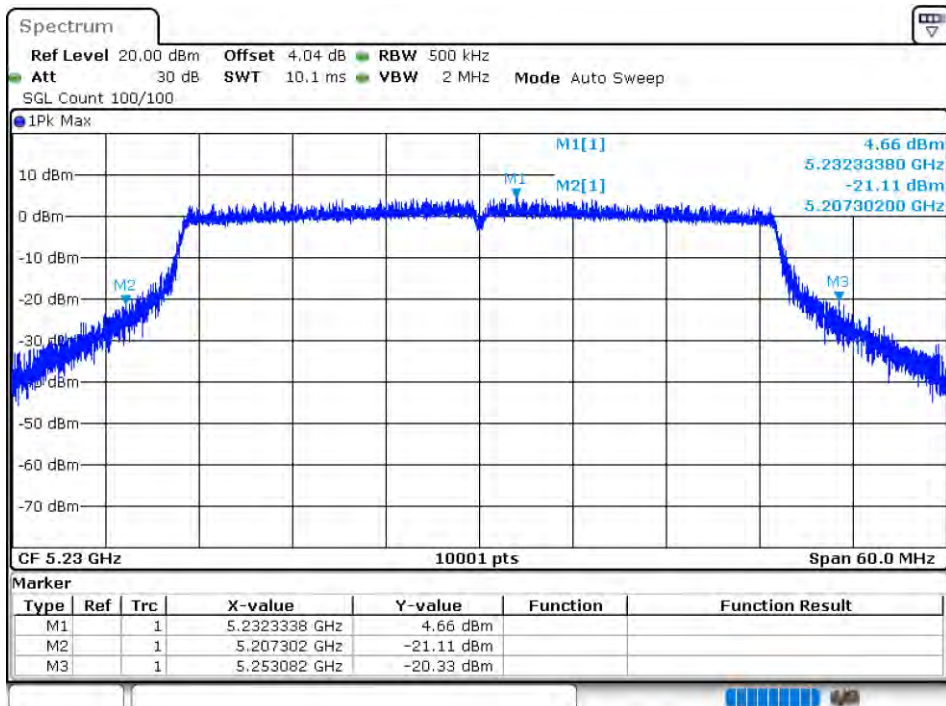
-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



-26dB Bandwidth NVNT ax40 5230MHz Ant1

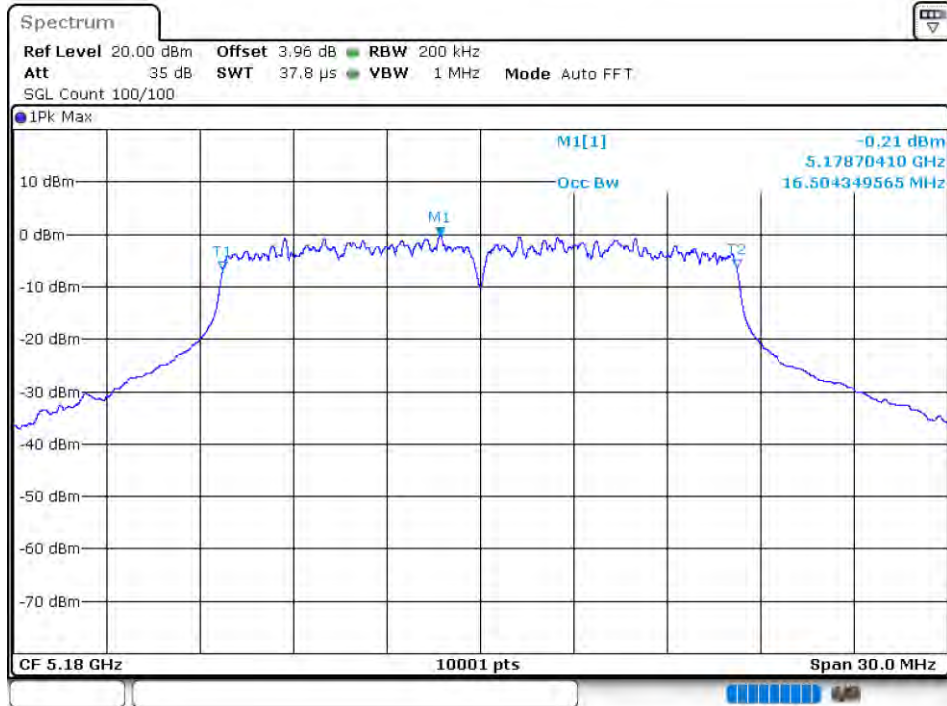


Occupied Channel Bandwidth

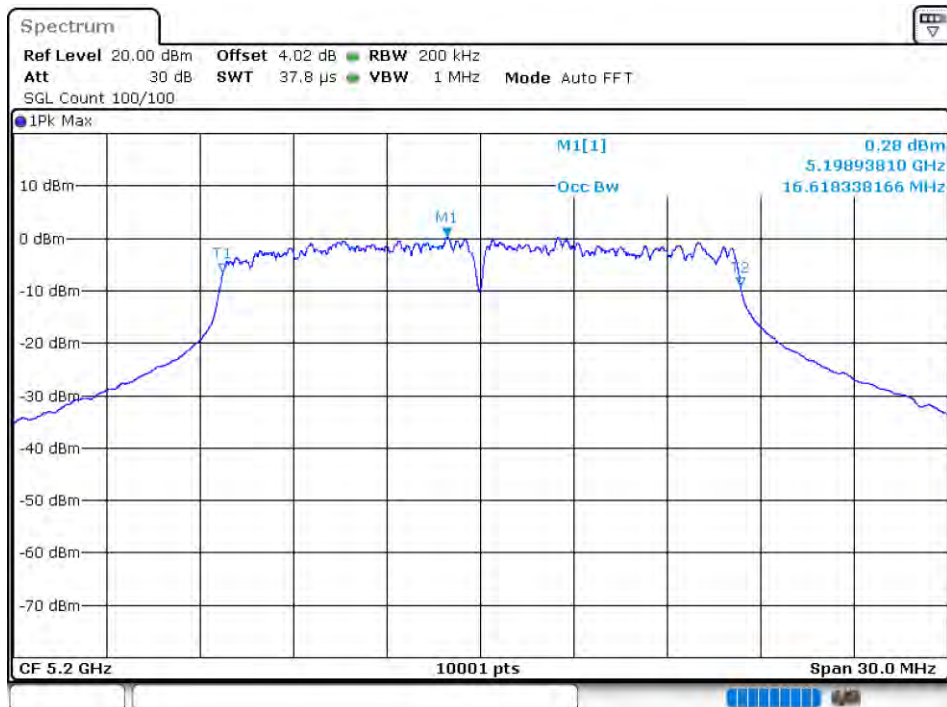
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.504
NVNT	a	5200	Ant1	16.618
NVNT	a	5240	Ant1	16.564
NVNT	n20	5180	Ant1	17.701
NVNT	n20	5200	Ant1	17.938
NVNT	n20	5240	Ant1	17.791
NVNT	n40	5190	Ant1	36.626
NVNT	n40	5230	Ant1	36.566
NVNT	ac20	5180	Ant1	17.89
NVNT	ac20	5200	Ant1	17.794
NVNT	ac20	5240	Ant1	17.734
NVNT	ac40	5190	Ant1	36.608
NVNT	ac40	5230	Ant1	36.56
NVNT	ax20	5180	Ant1	18.961
NVNT	ax20	5200	Ant1	18.943
NVNT	ax20	5240	Ant1	19.09
NVNT	ax40	5190	Ant1	37.94
NVNT	ax40	5230	Ant1	37.898

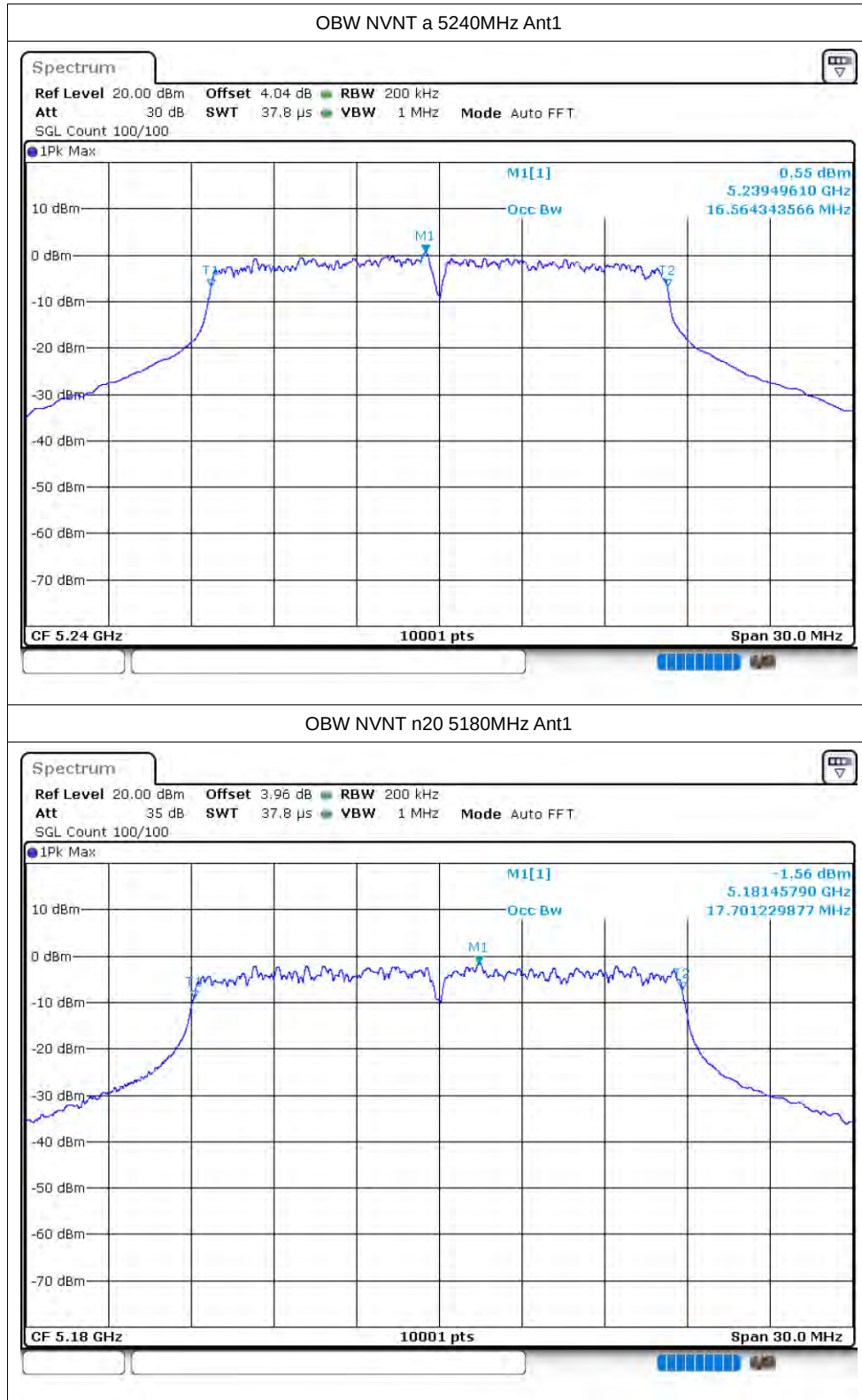
Test Graphs

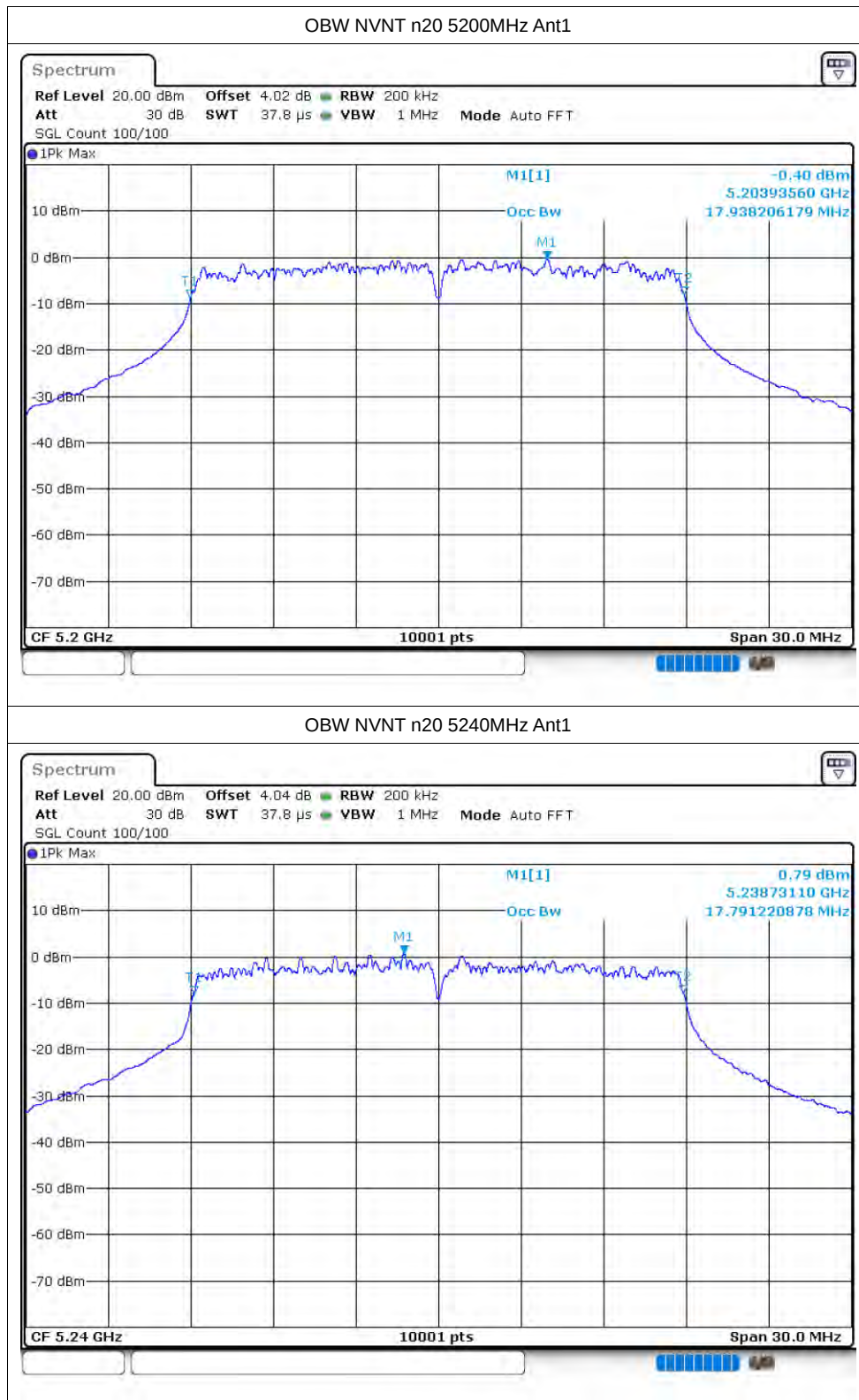
OBW NVNT a 5180MHz Ant1

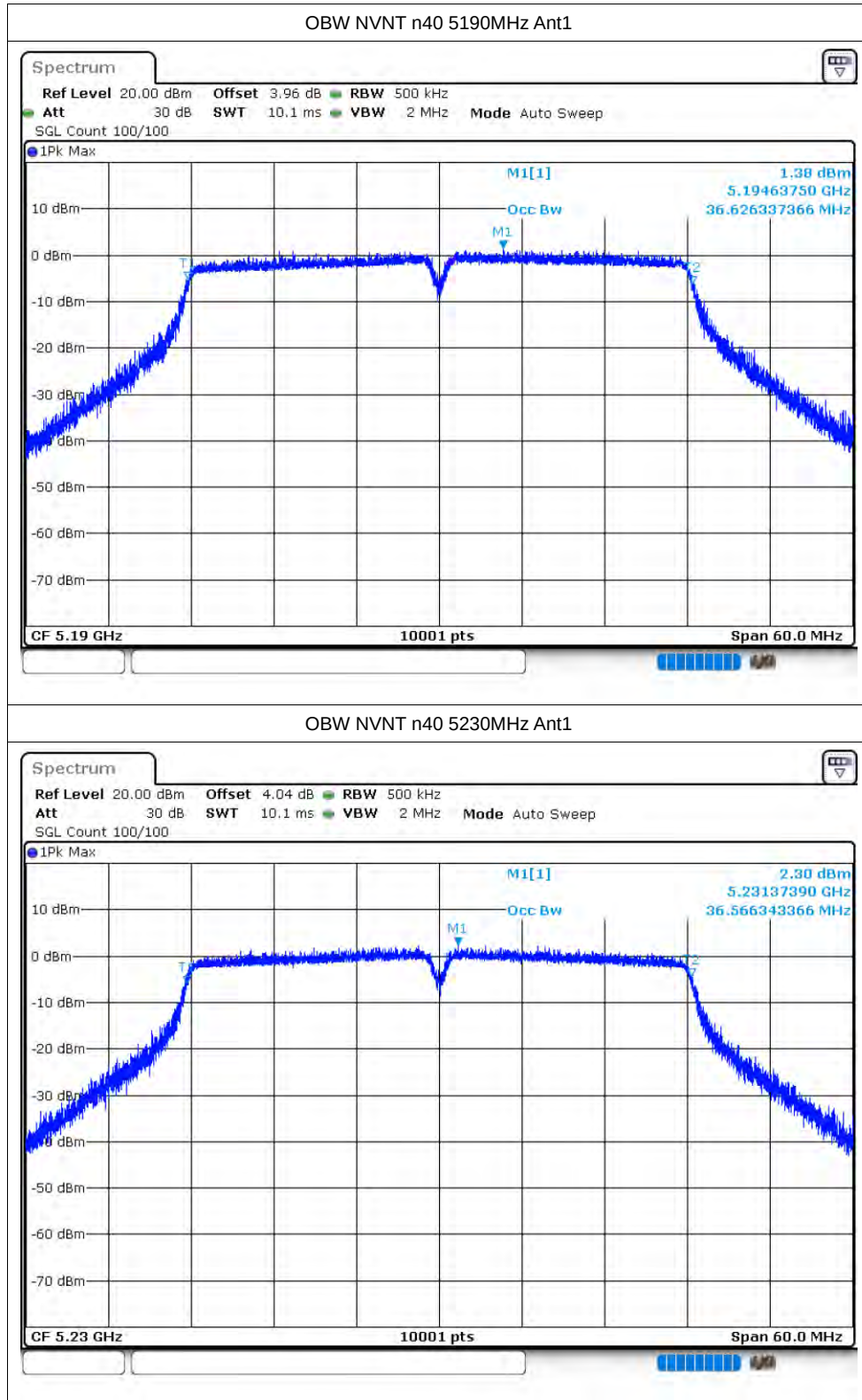


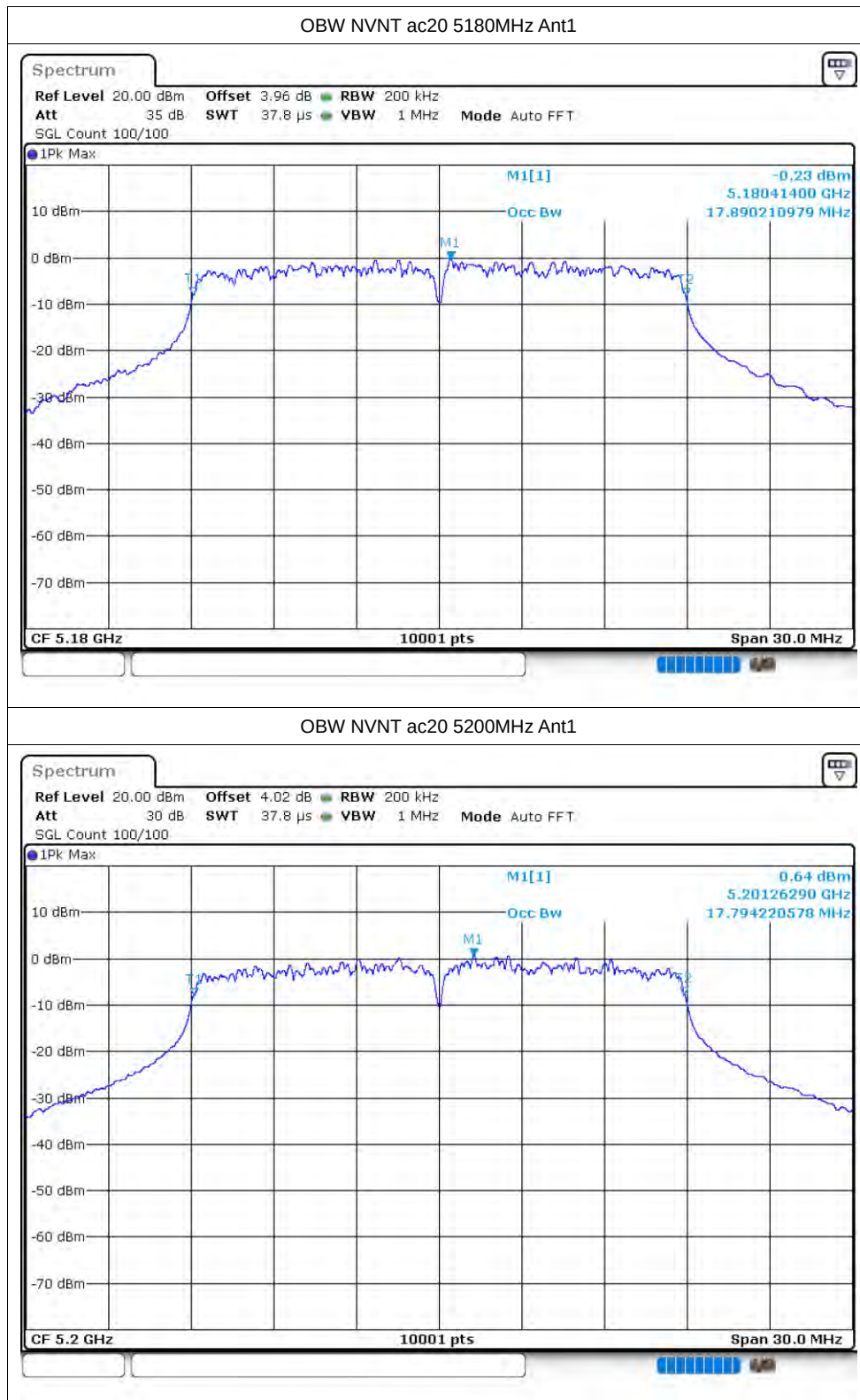
OBW NVNT a 5200MHz Ant1

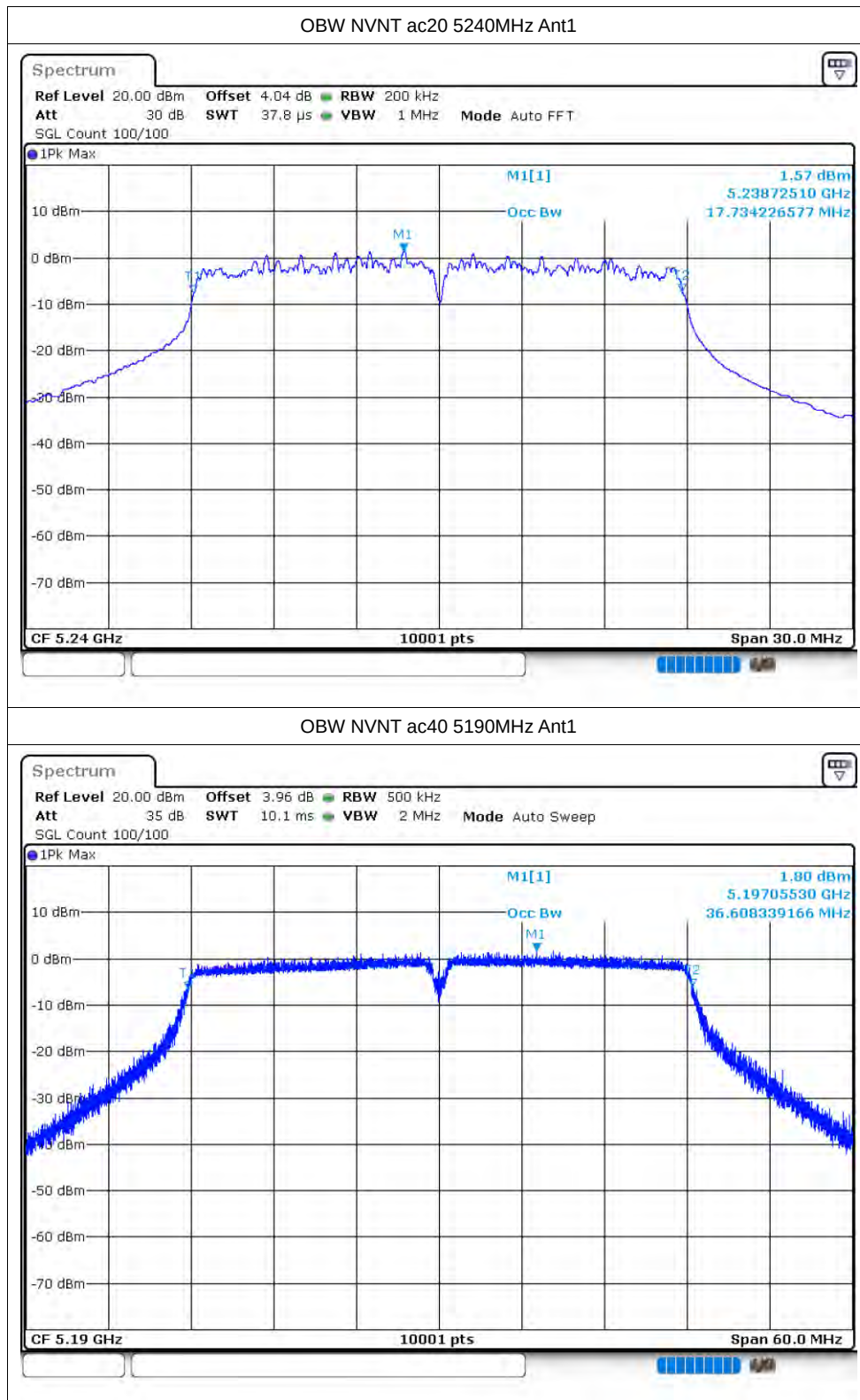


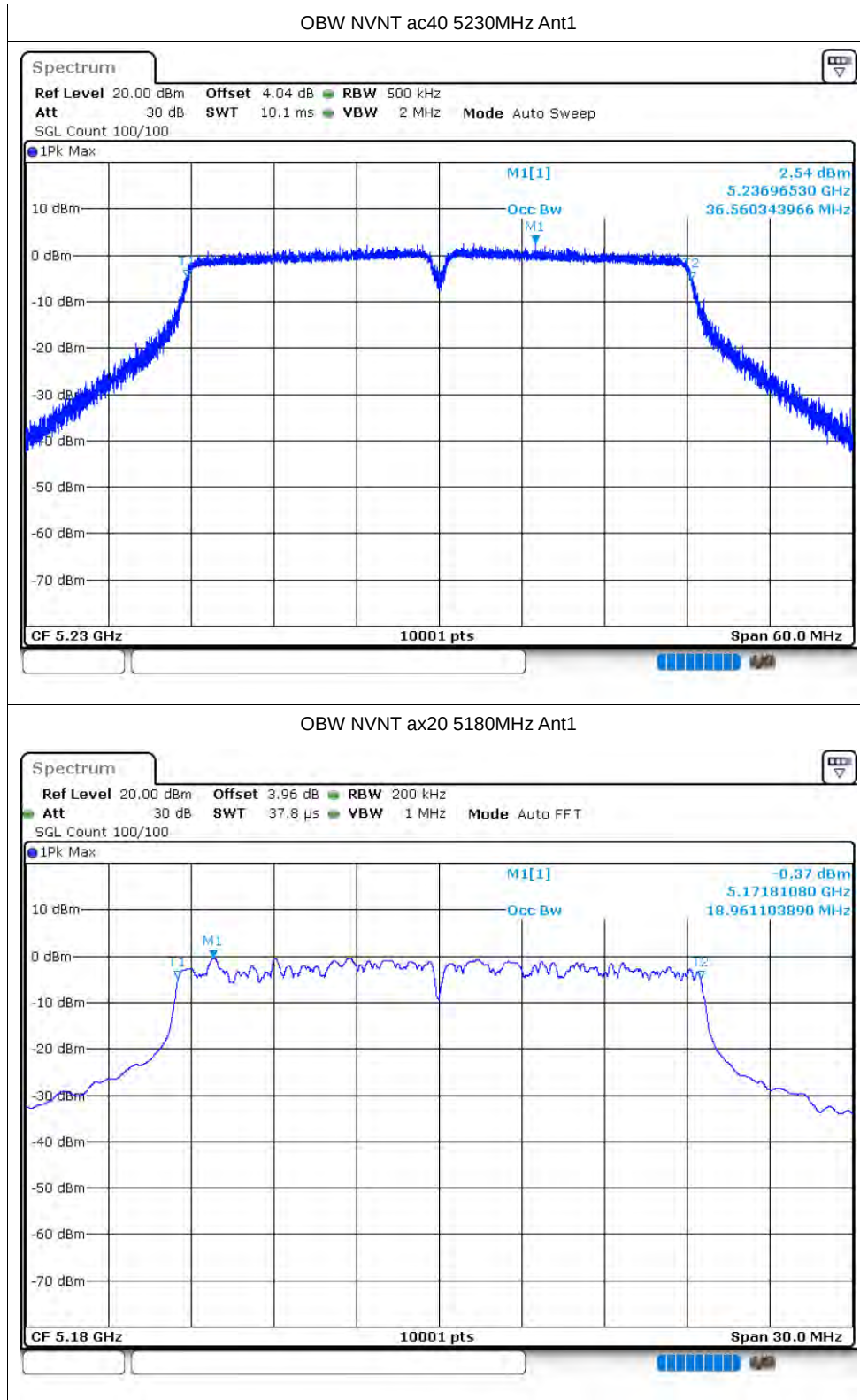


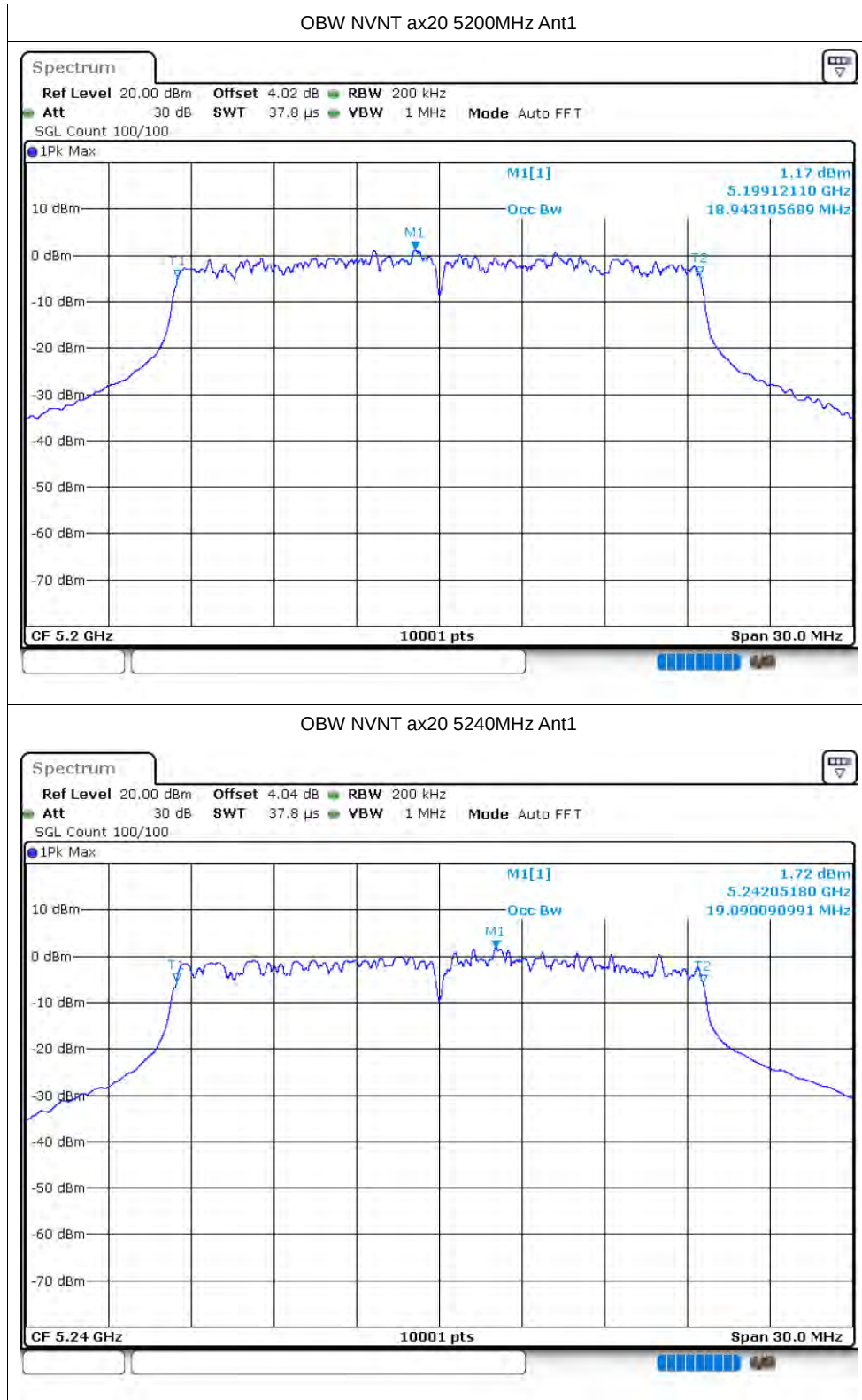


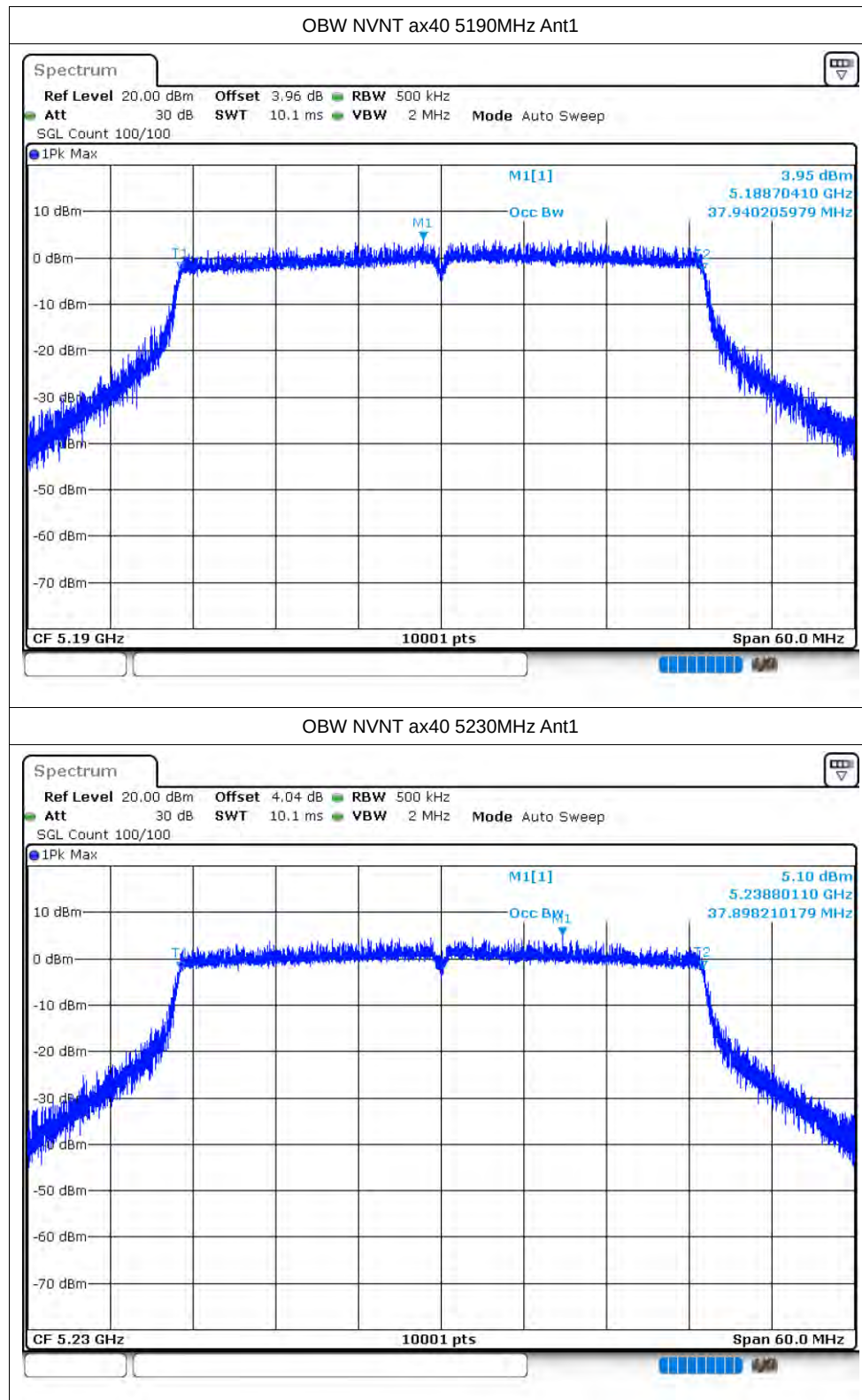










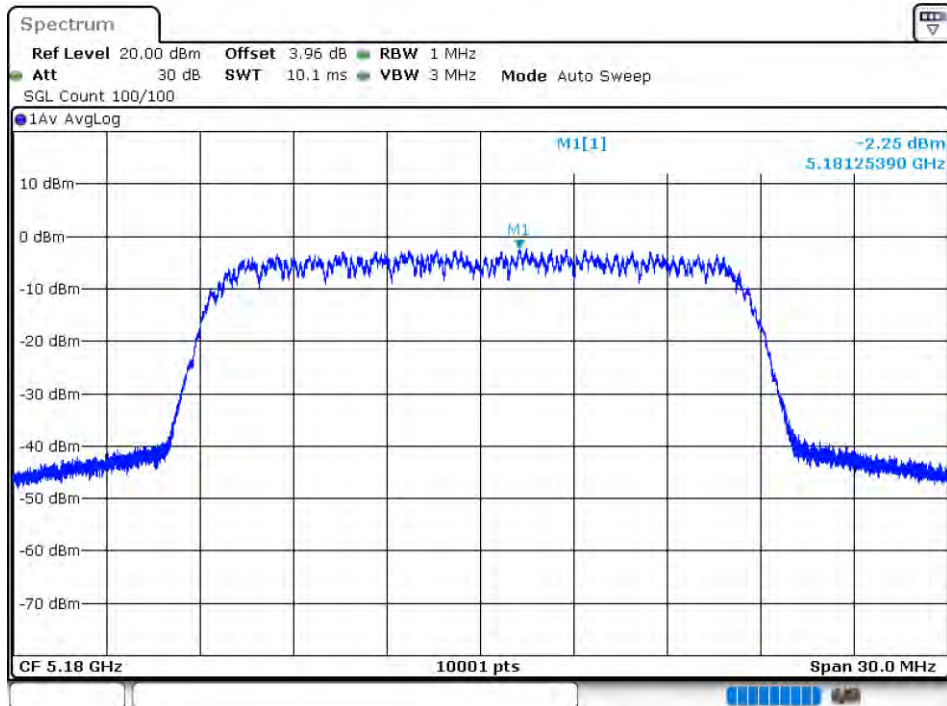


Maximum Power Spectral Density Level

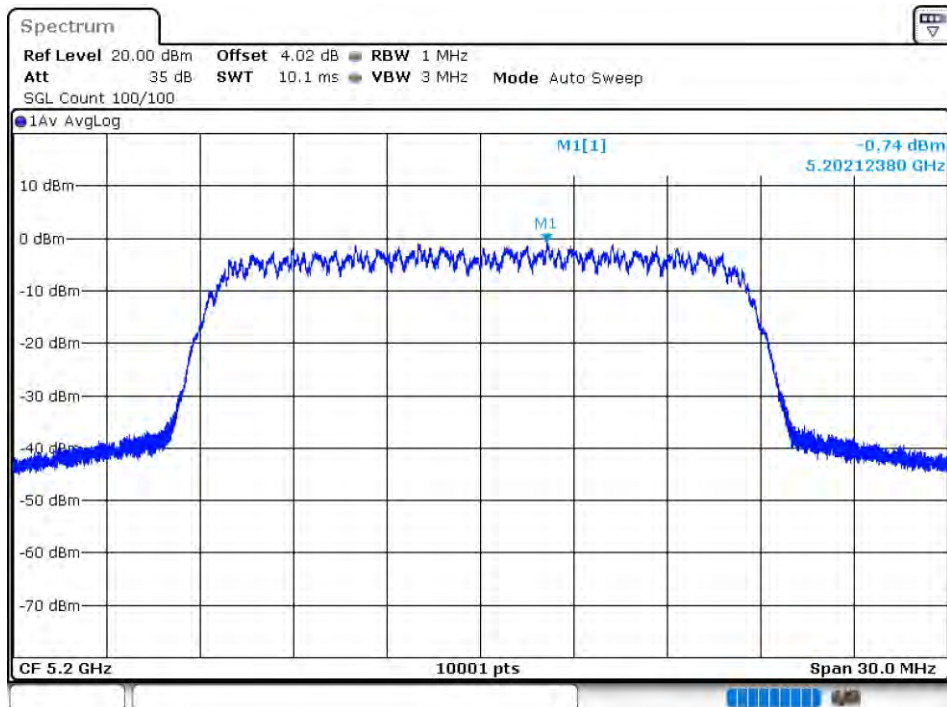
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-2.25	0.16	-2.09	11	Pass
NVNT	a	5200	Ant1	-0.74	0.16	-0.58	11	Pass
NVNT	a	5240	Ant1	-2.71	0.15	-2.56	11	Pass
NVNT	n20	5180	Ant1	-2.22	0.09	-2.13	11	Pass
NVNT	n20	5200	Ant1	-1.58	0.09	-1.49	11	Pass
NVNT	n20	5240	Ant1	-1.07	0.09	-0.98	11	Pass
NVNT	n40	5190	Ant1	-4.52	0.02	-4.5	11	Pass
NVNT	n40	5230	Ant1	-3.44	0.02	-3.42	11	Pass
NVNT	ac20	5180	Ant1	-1.06	0.1	-0.96	11	Pass
NVNT	ac20	5200	Ant1	-0.66	0.16	-0.5	11	Pass
NVNT	ac20	5240	Ant1	-0.6	0.09	-0.51	11	Pass
NVNT	ac40	5190	Ant1	-4.41	0.02	-4.39	11	Pass
NVNT	ac40	5230	Ant1	-3.25	0.02	-3.23	11	Pass
NVNT	ax20	5180	Ant1	-1.96	0.03	-1.93	11	Pass
NVNT	ax20	5200	Ant1	-1.03	0.03	-1	11	Pass
NVNT	ax20	5240	Ant1	-0.81	0.03	-0.78	11	Pass
NVNT	ax40	5190	Ant1	-4.75	0.05	-4.7	11	Pass
NVNT	ax40	5230	Ant1	-4.09	0.05	-4.04	11	Pass

Test Graphs

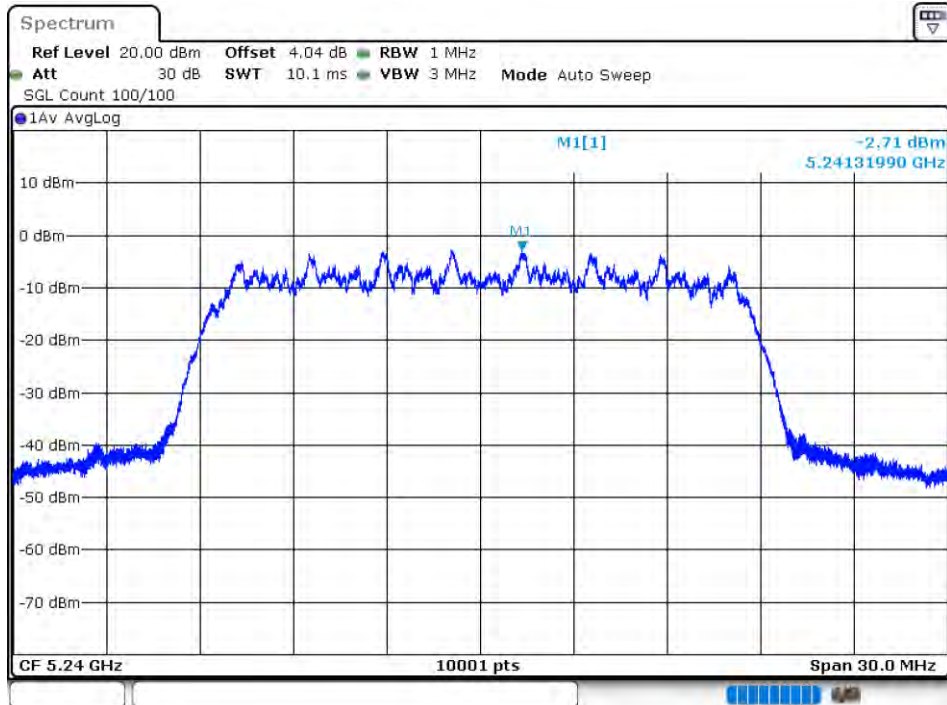
PSD NVNT a 5180MHz Ant1



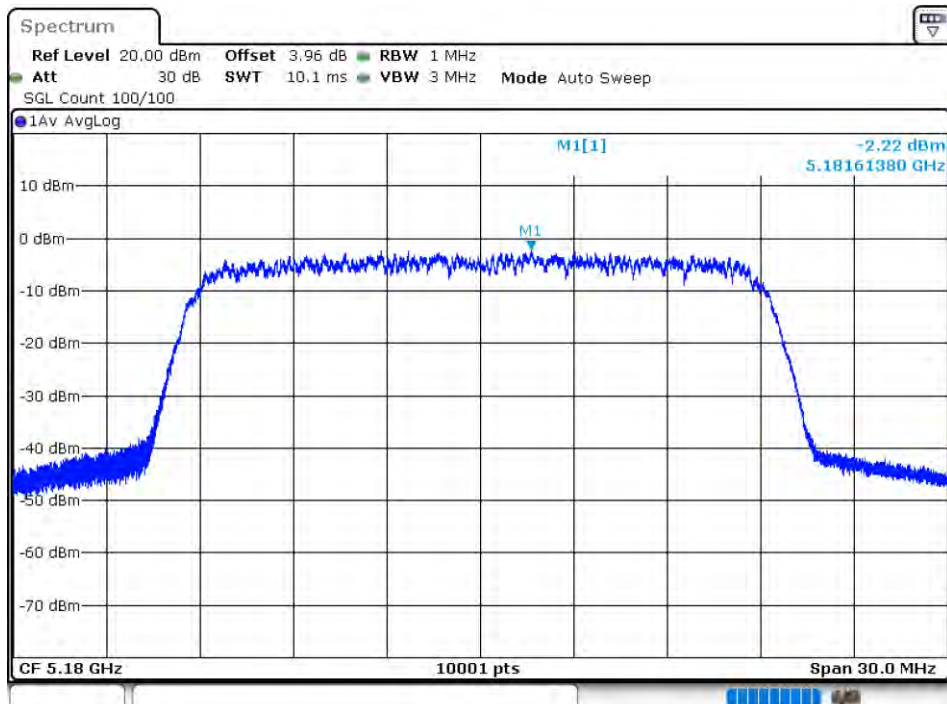
PSD NVNT a 5200MHz Ant1

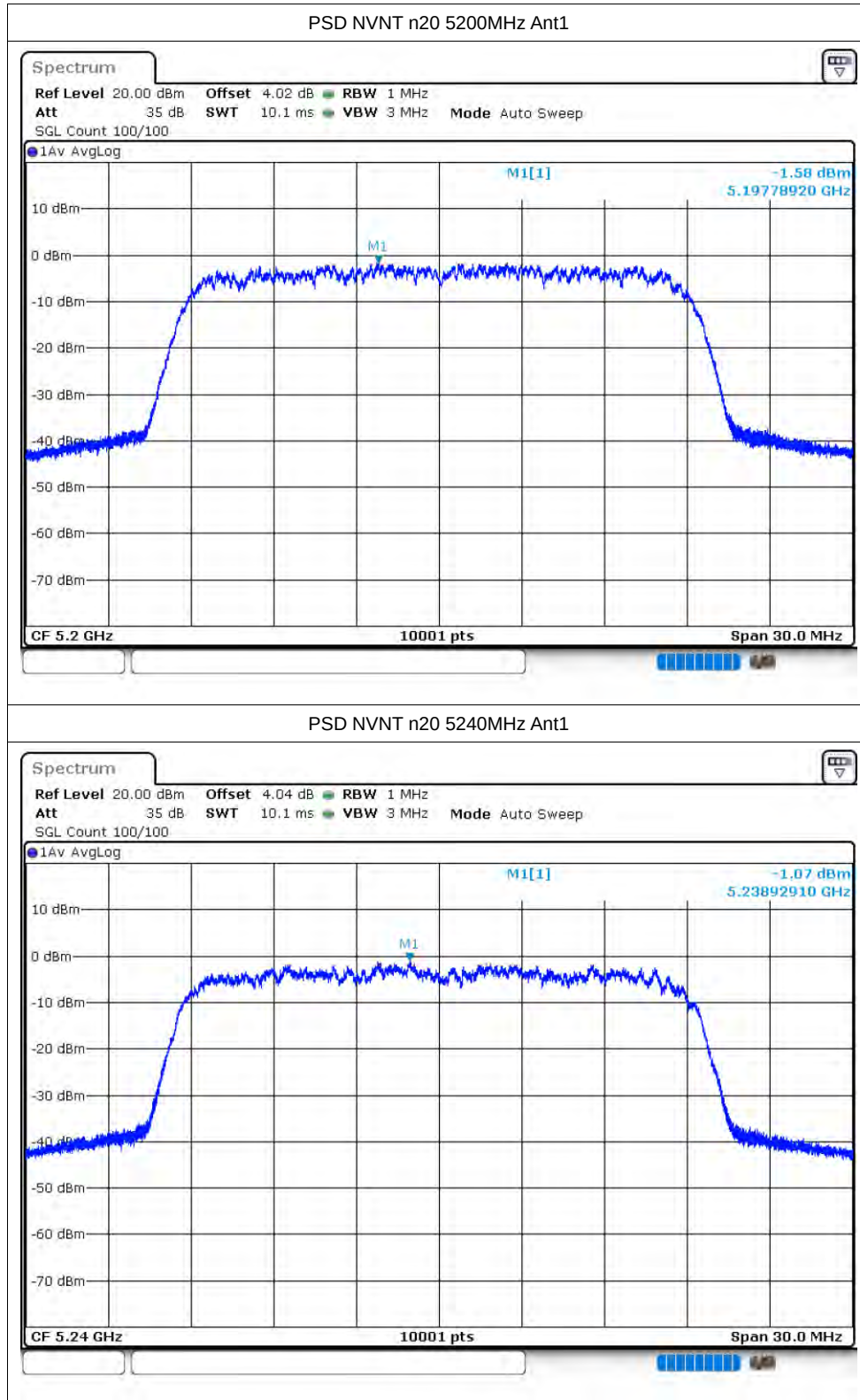


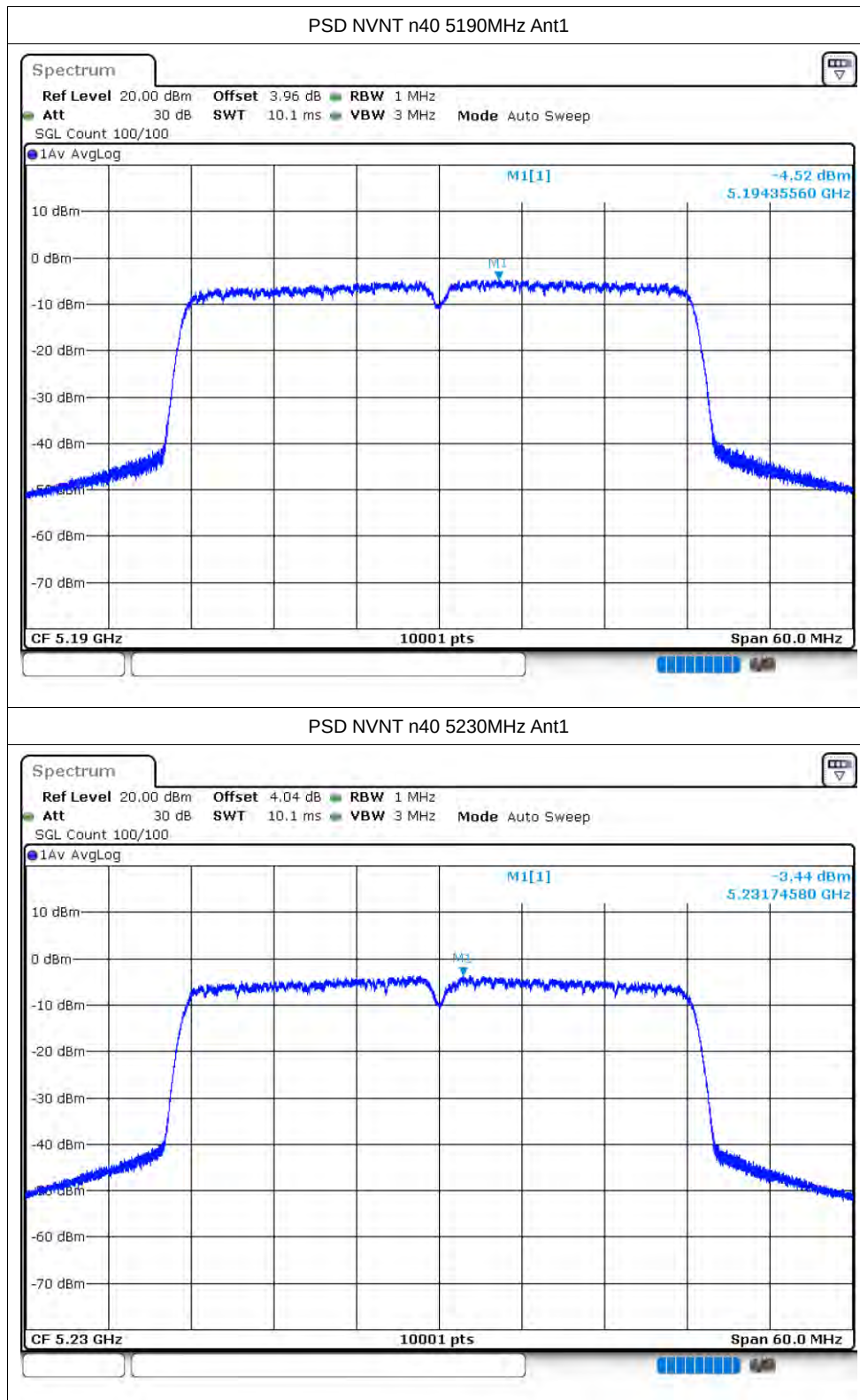
PSD NVNT a 5240MHz Ant1

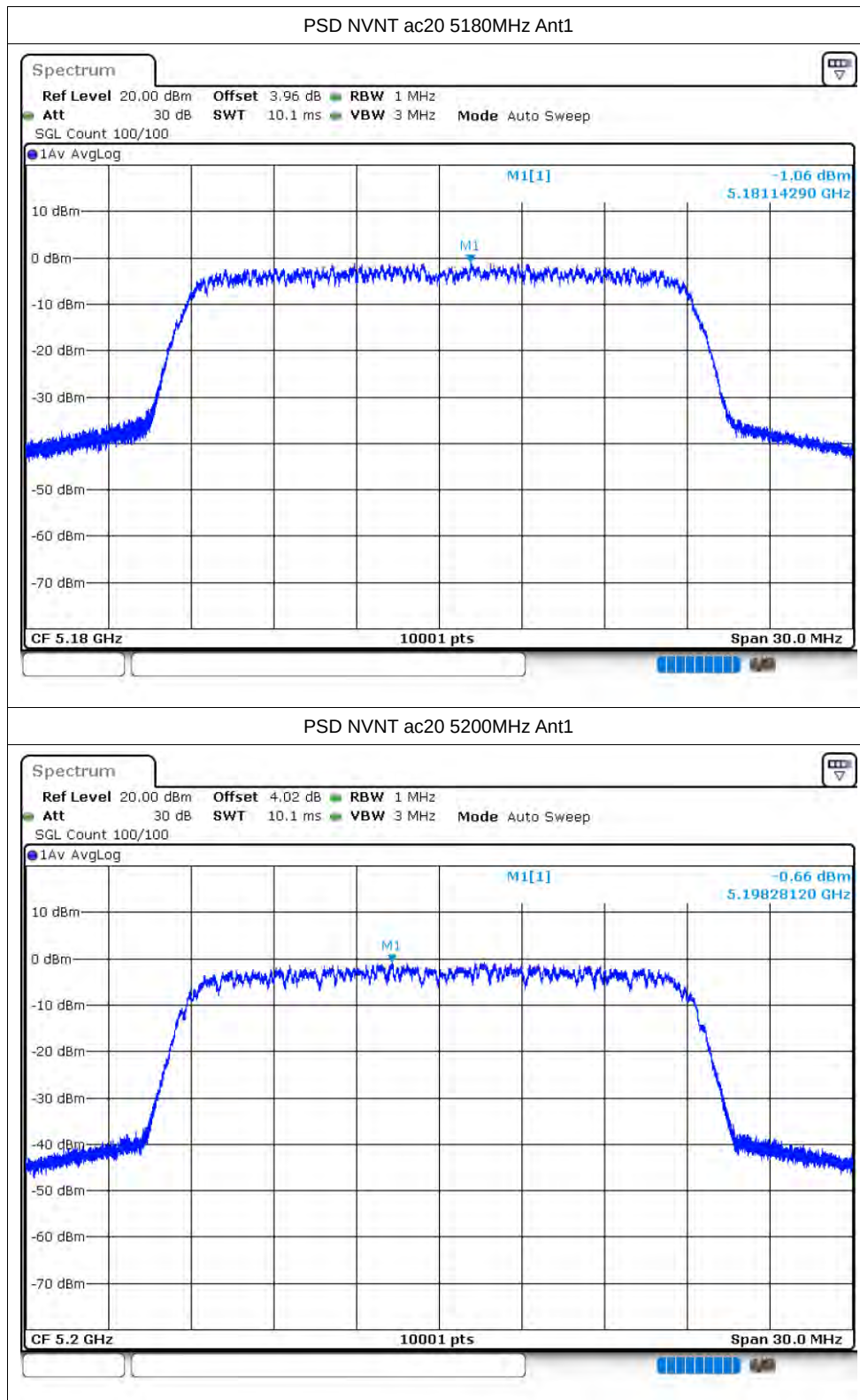


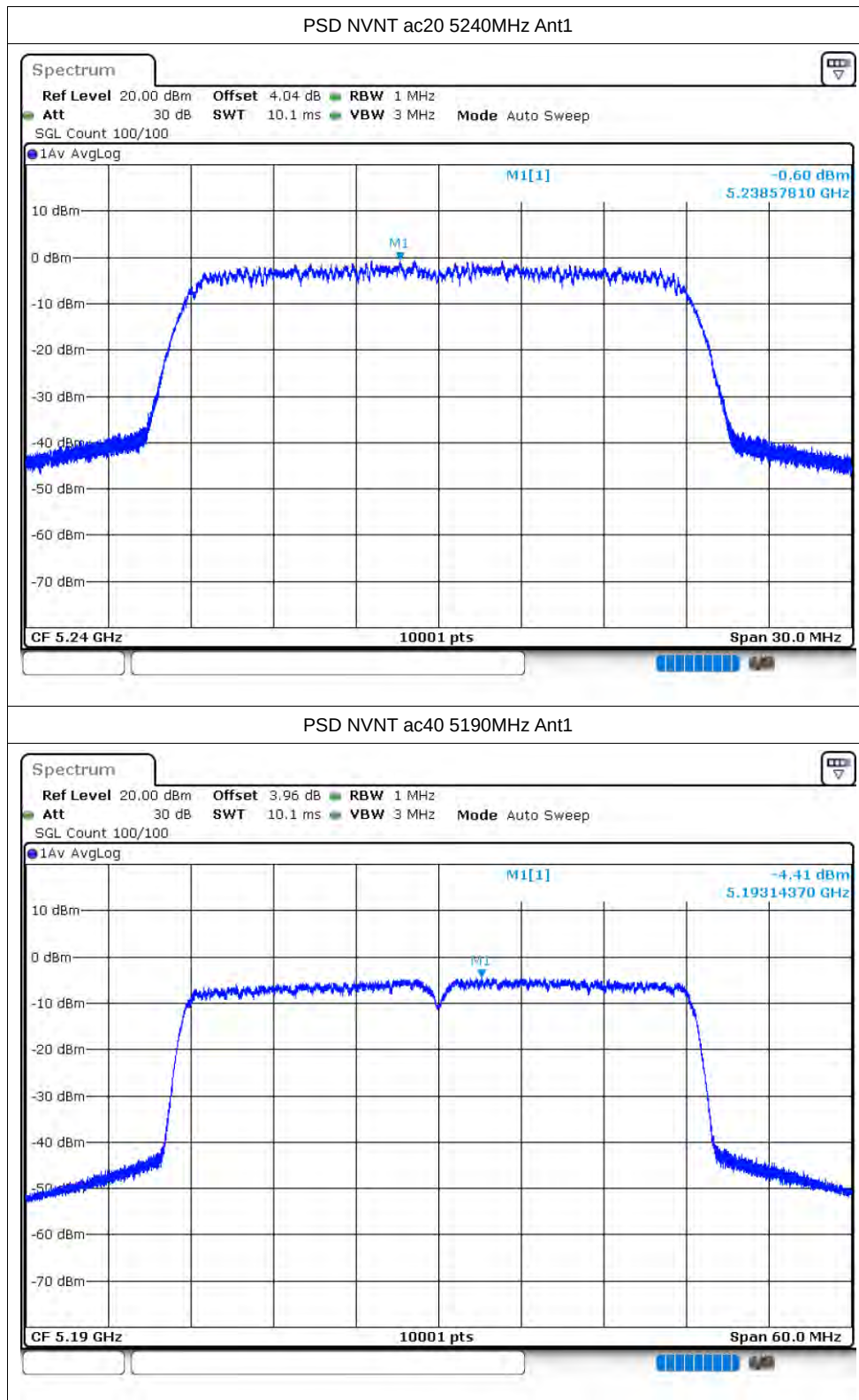
PSD NVNT n20 5180MHz Ant1

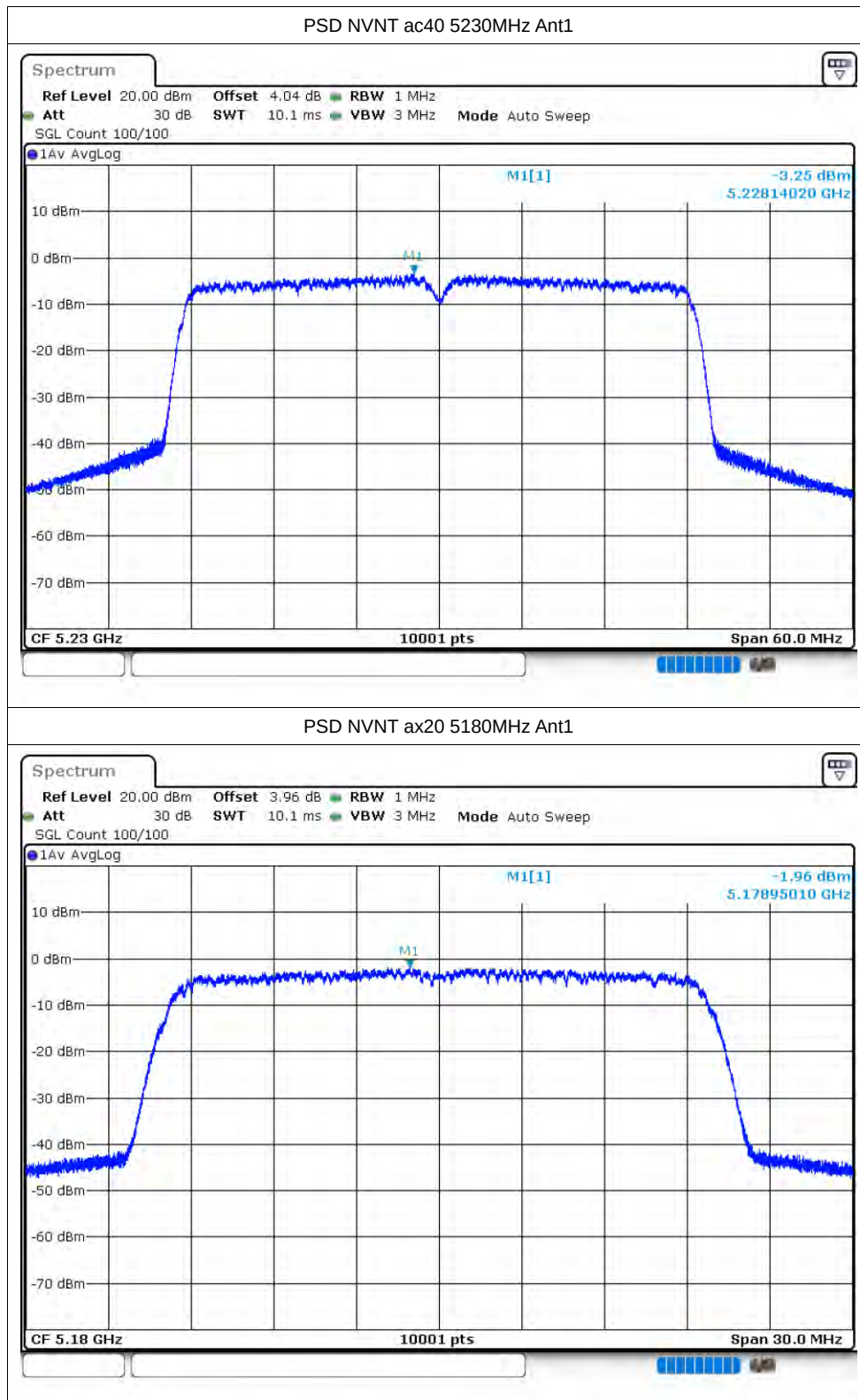


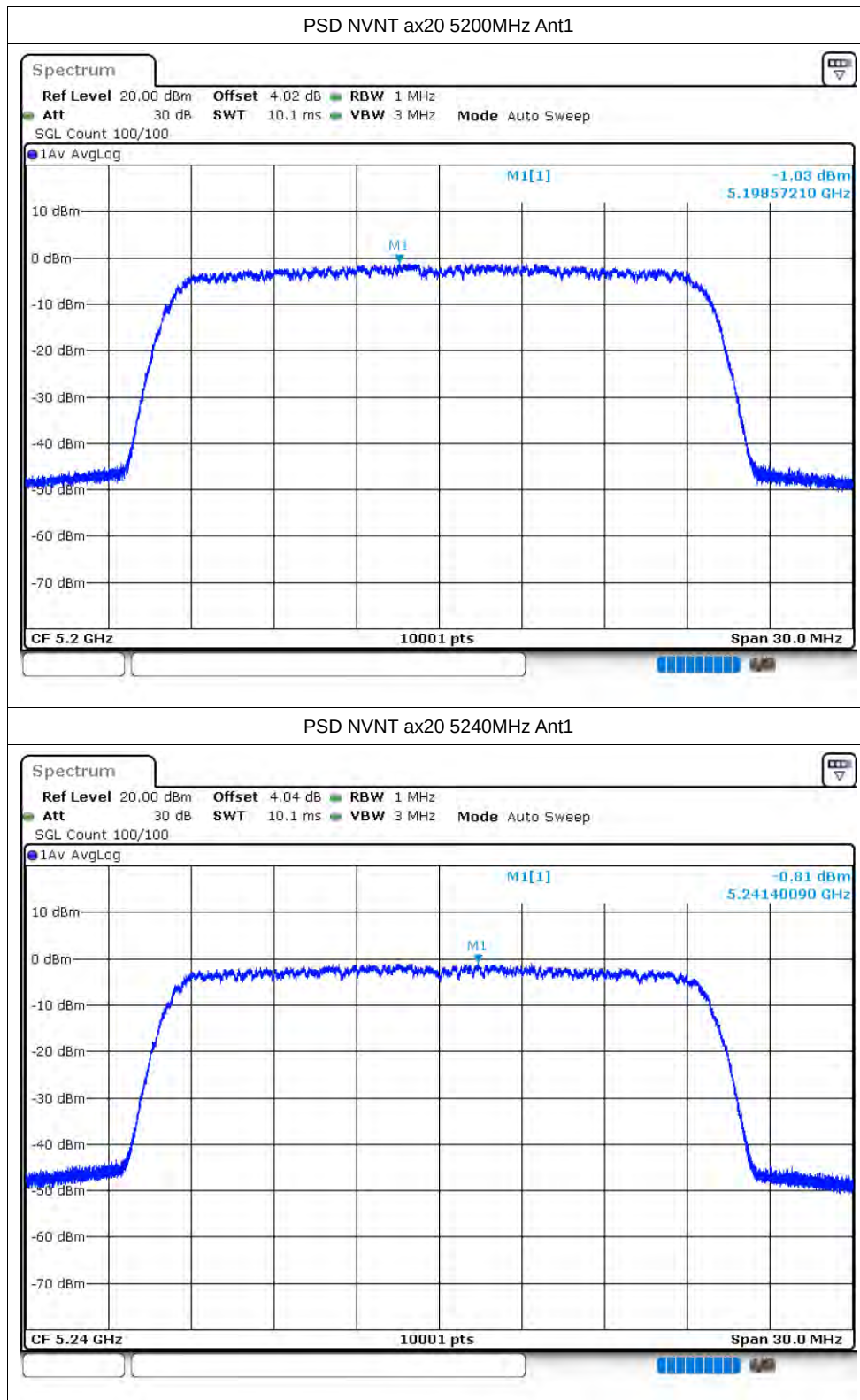


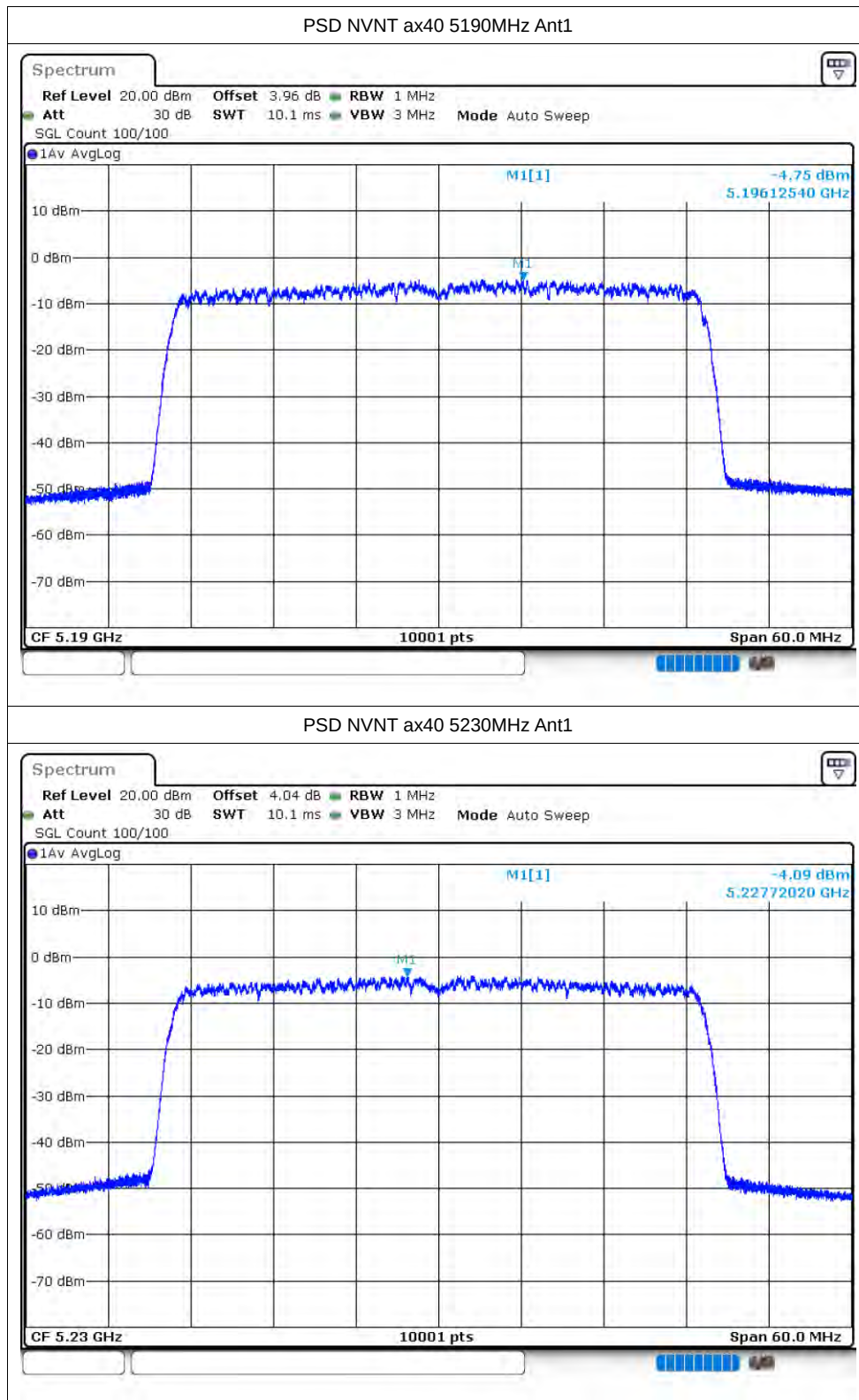












Band Edge

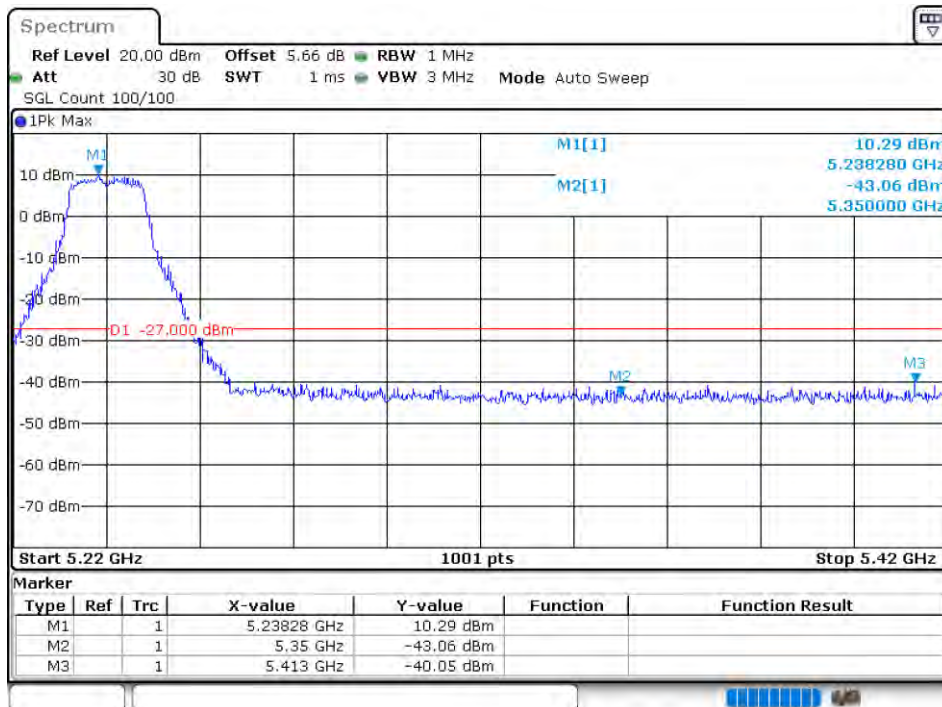
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-40.57	-27	Pass
NVNT	a	5240	Ant1	-40.05	-27	Pass
NVNT	n20	5180	Ant1	-39.94	-27	Pass
NVNT	n20	5240	Ant1	-40.6	-27	Pass
NVNT	n40	5190	Ant1	-35.92	-27	Pass
NVNT	n40	5230	Ant1	-40.75	-27	Pass
NVNT	ac20	5180	Ant1	-38.62	-27	Pass
NVNT	ac20	5240	Ant1	-40.71	-27	Pass
NVNT	ac40	5190	Ant1	-40.46	-27	Pass
NVNT	ac40	5230	Ant1	-41.03	-27	Pass
NVNT	ax20	5180	Ant1	-40.24	-27	Pass
NVNT	ax20	5240	Ant1	-40.52	-27	Pass
NVNT	ax40	5190	Ant1	-31.6	-27	Pass
NVNT	ax40	5230	Ant1	-40.36	-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



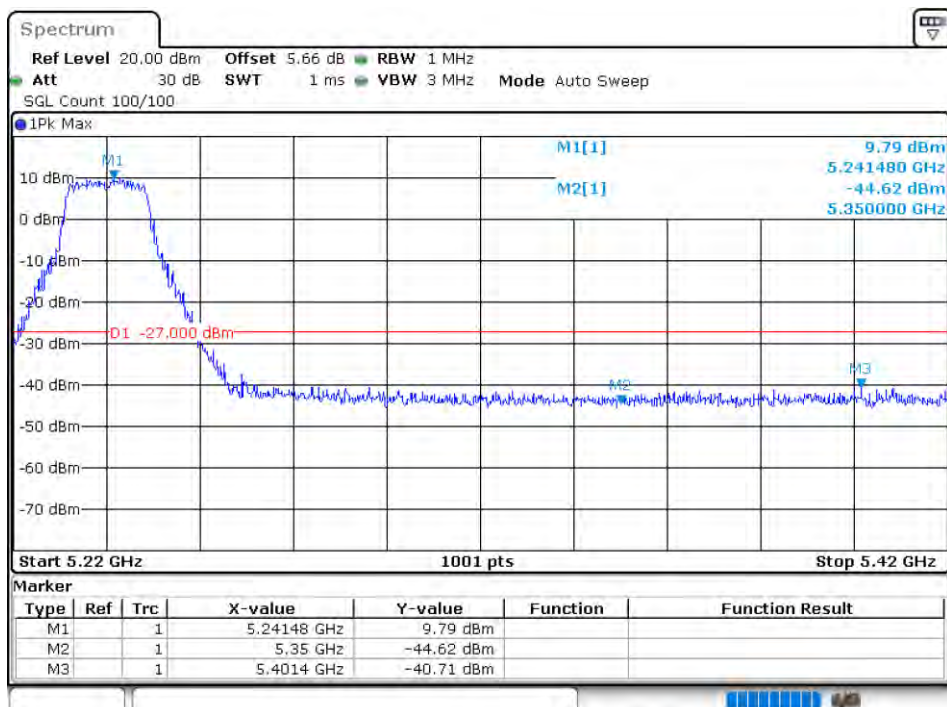
Band Edge NVNT n40 5230MHz High Ant1



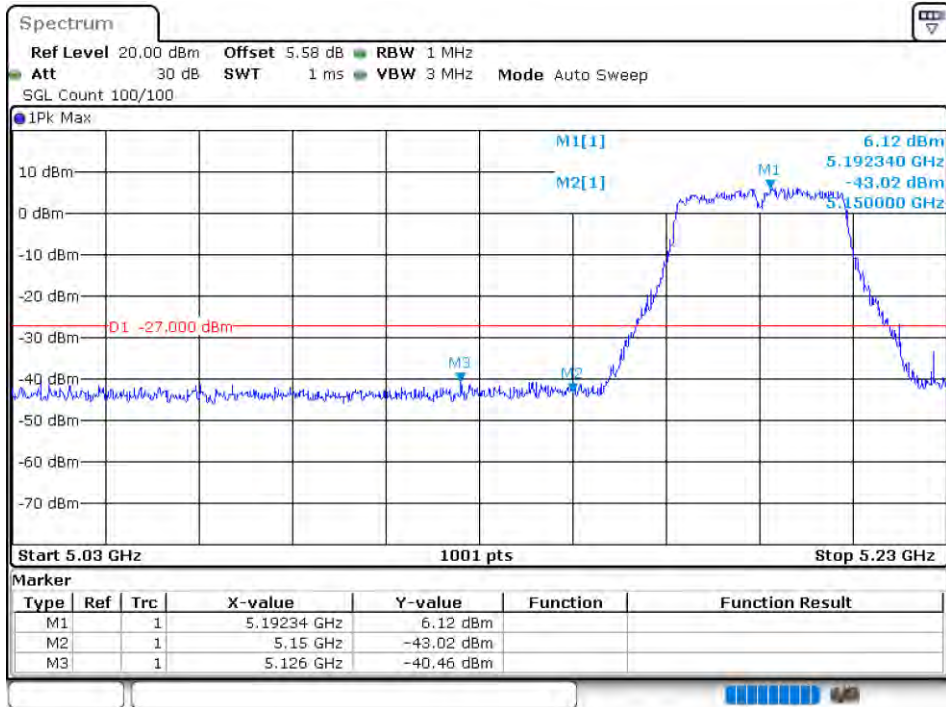
Band Edge NVNT ac20 5180MHz Low Ant1



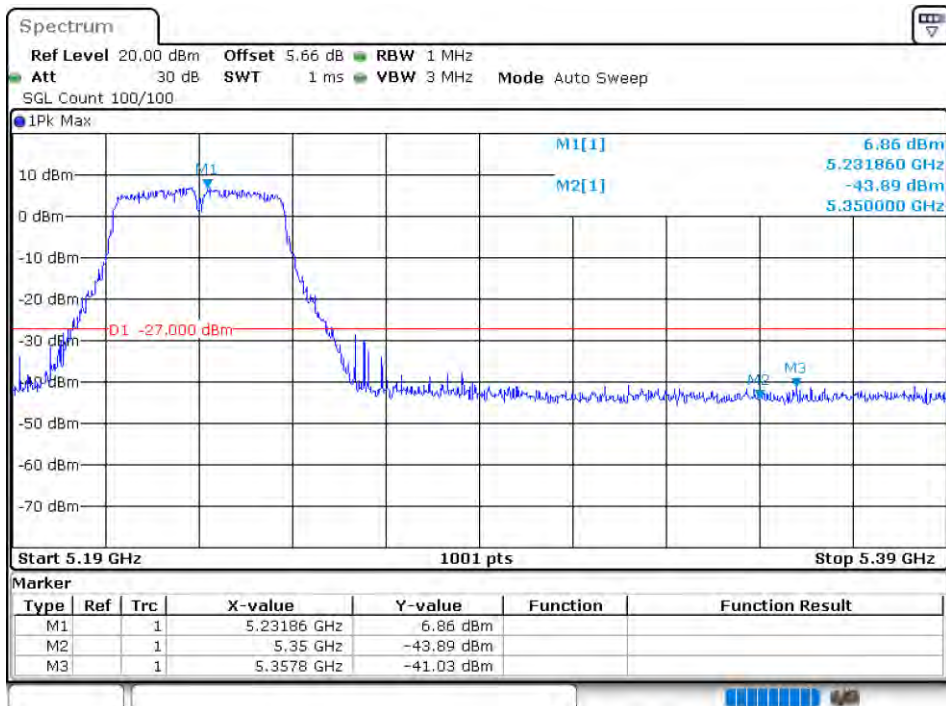
Band Edge NVNT ac20 5240MHz High Ant1



Band Edge NVNT ac40 5190MHz Low Ant1



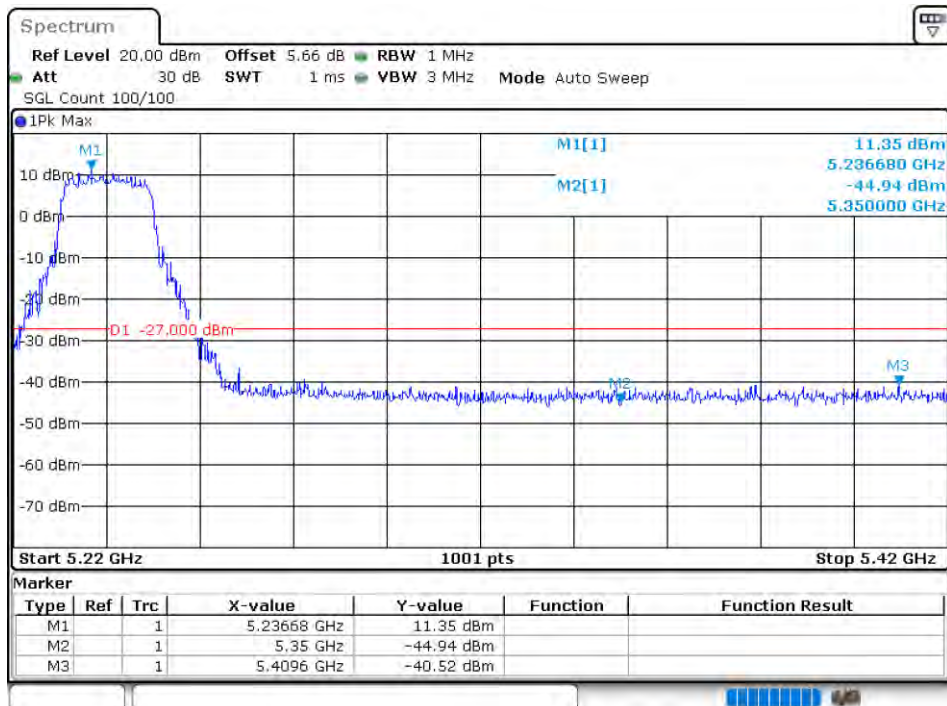
Band Edge NVNT ac40 5230MHz High Ant1



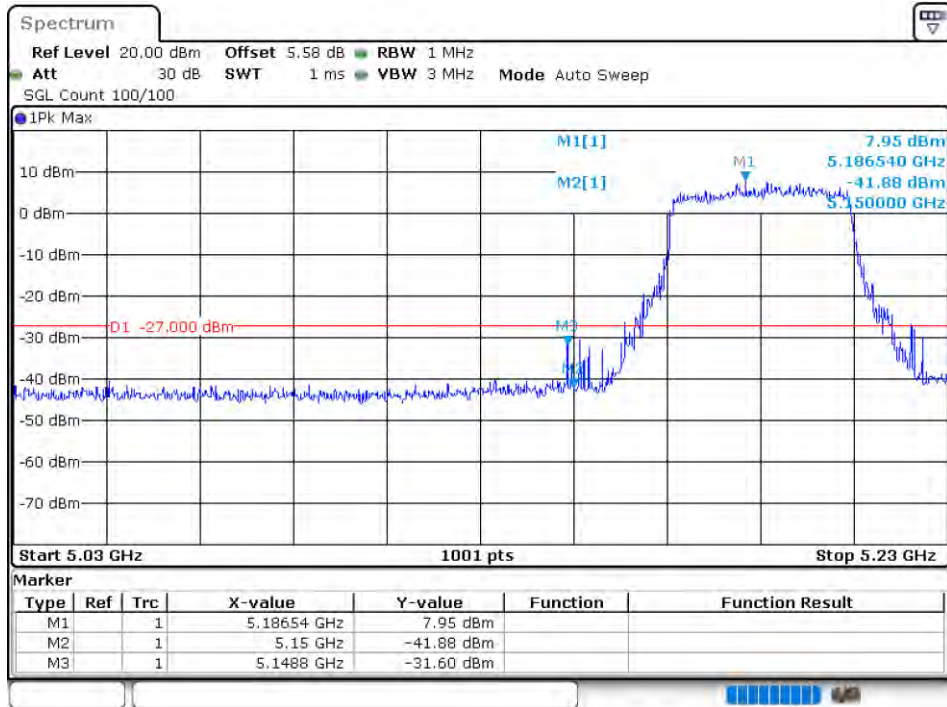
Band Edge NVNT ax20 5180MHz Low Ant1



Band Edge NVNT ax20 5240MHz High Ant1



Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1

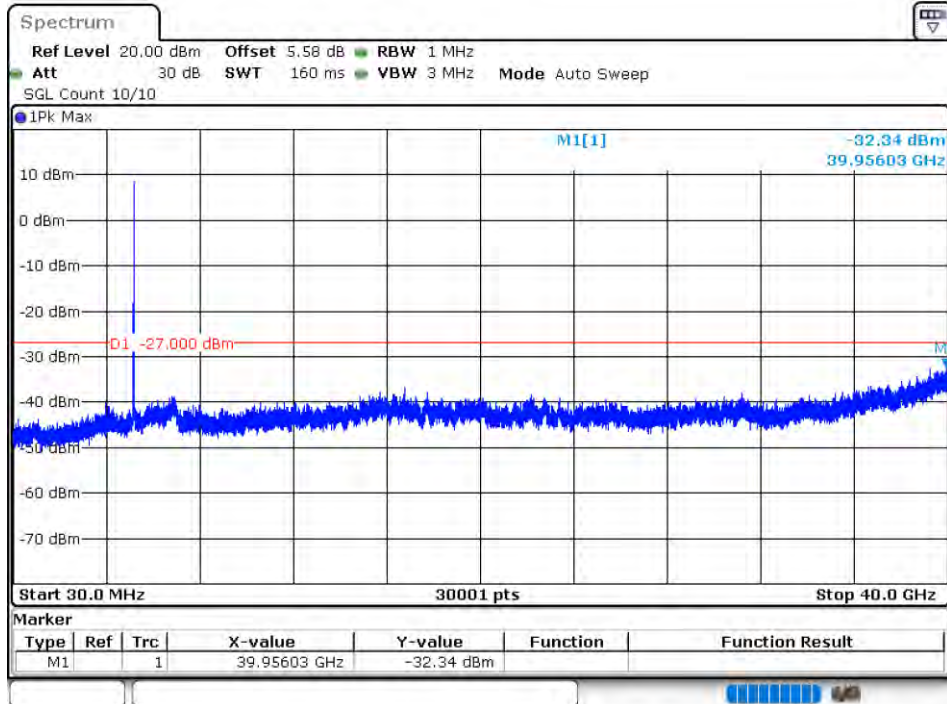


Conducted RF Spurious Emission

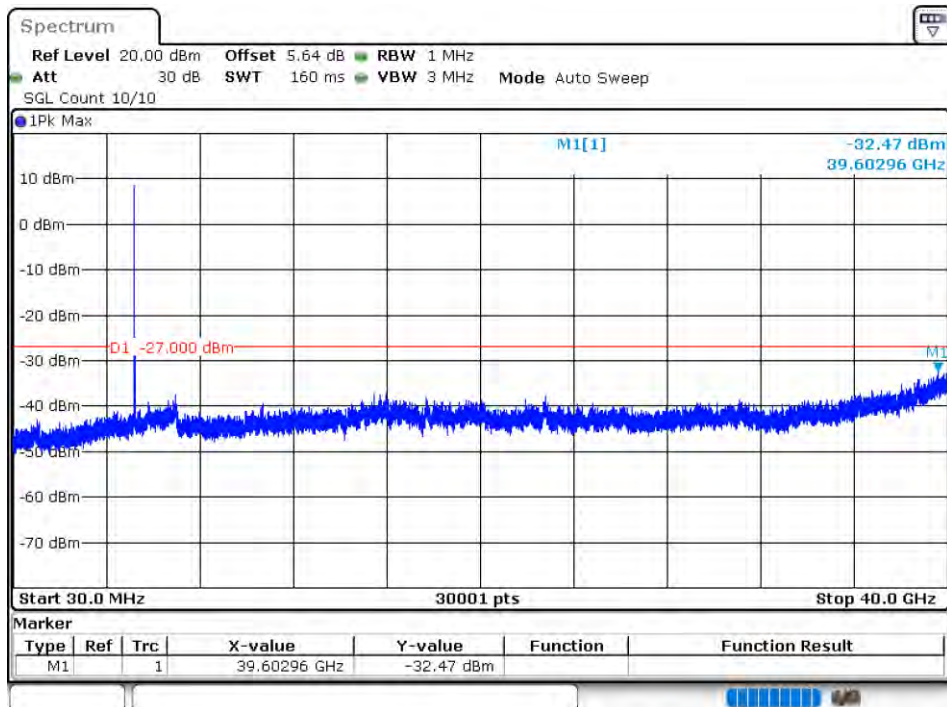
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-32.34	-27	Pass
NVNT	a	5200	Ant1	-32.47	-27	Pass
NVNT	a	5240	Ant1	-32.44	-27	Pass
NVNT	n20	5180	Ant1	-32.14	-27	Pass
NVNT	n20	5200	Ant1	-32.76	-27	Pass
NVNT	n20	5240	Ant1	-32.55	-27	Pass
NVNT	n40	5190	Ant1	-32.25	-27	Pass
NVNT	n40	5230	Ant1	-32.04	-27	Pass
NVNT	ac20	5180	Ant1	-32.04	-27	Pass
NVNT	ac20	5200	Ant1	-32.56	-27	Pass
NVNT	ac20	5240	Ant1	-32.59	-27	Pass
NVNT	ac40	5190	Ant1	-32.5	-27	Pass
NVNT	ac40	5230	Ant1	-32.8	-27	Pass
NVNT	ax20	5180	Ant1	-33.15	-27	Pass
NVNT	ax20	5200	Ant1	-32.96	-27	Pass
NVNT	ax20	5240	Ant1	-32.03	-27	Pass
NVNT	ax40	5190	Ant1	-32.26	-27	Pass
NVNT	ax40	5230	Ant1	-31.9	-27	Pass

Test Graphs

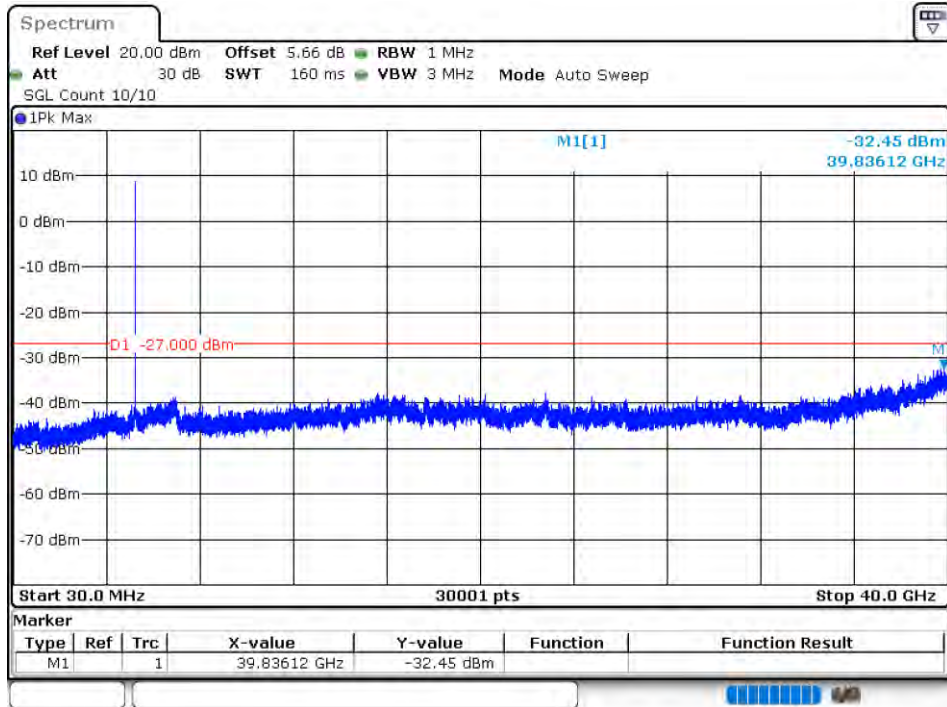
Tx. Spurious NVNT a 5180MHz Ant1 Emission



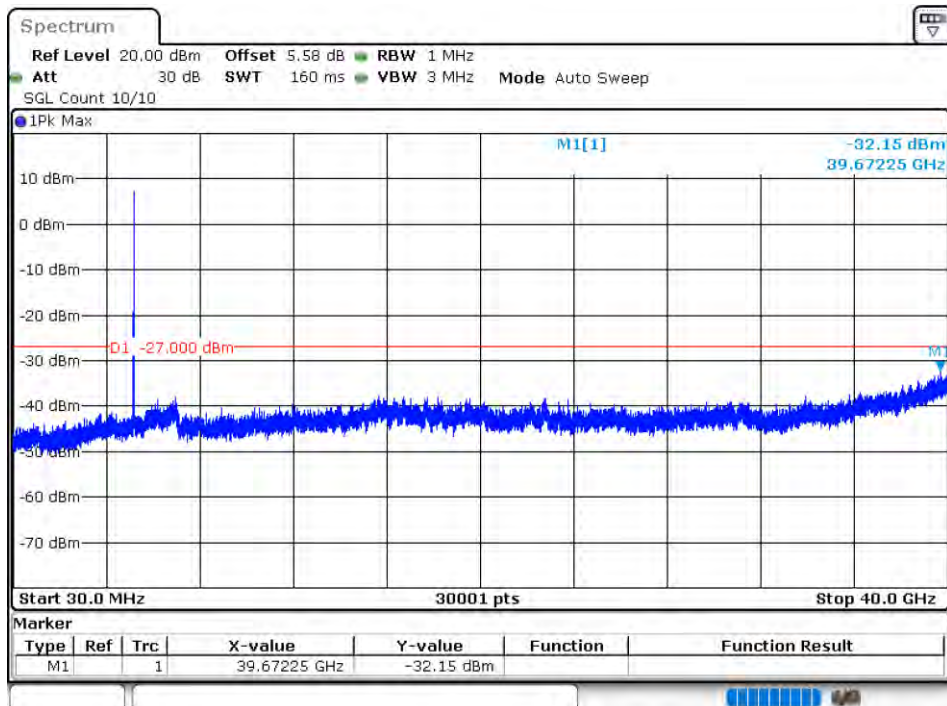
Tx. Spurious NVNT a 5200MHz Ant1 Emission



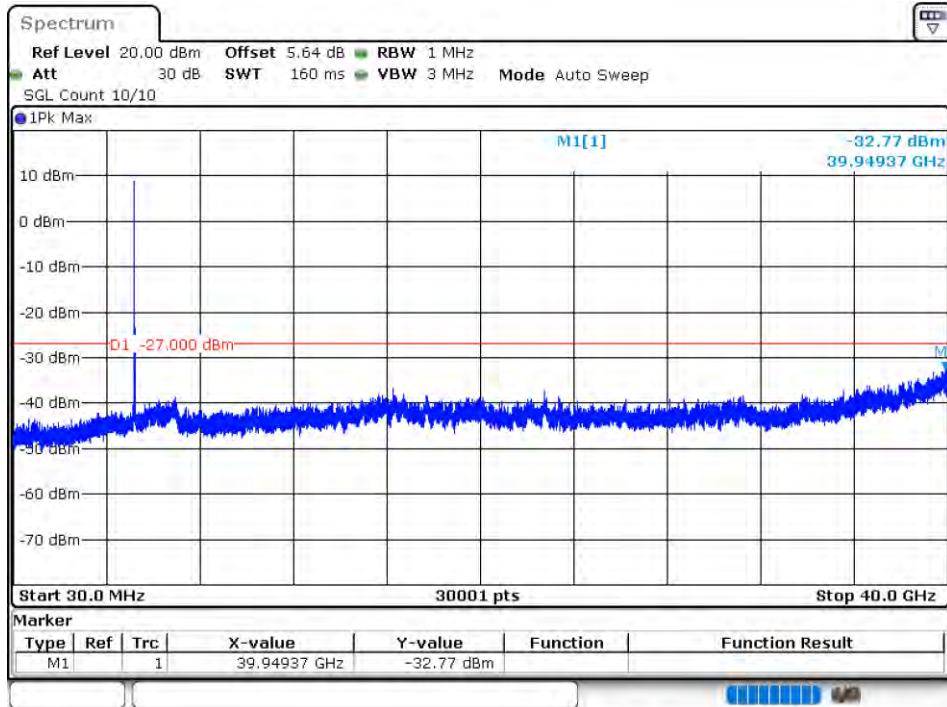
Tx. Spurious NVNT a 5240MHz Ant1 Emission



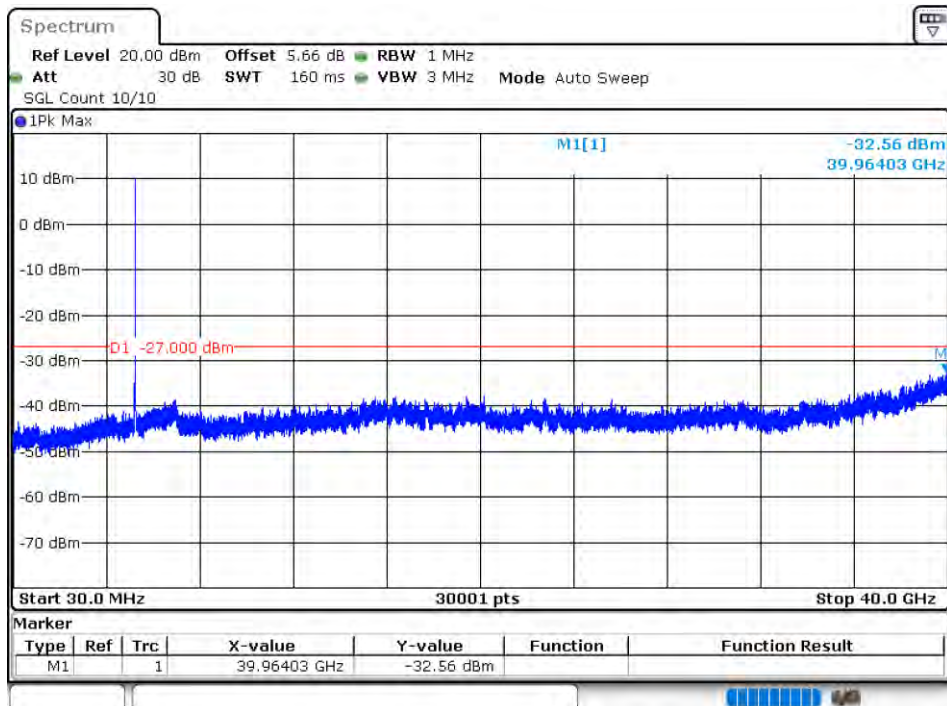
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



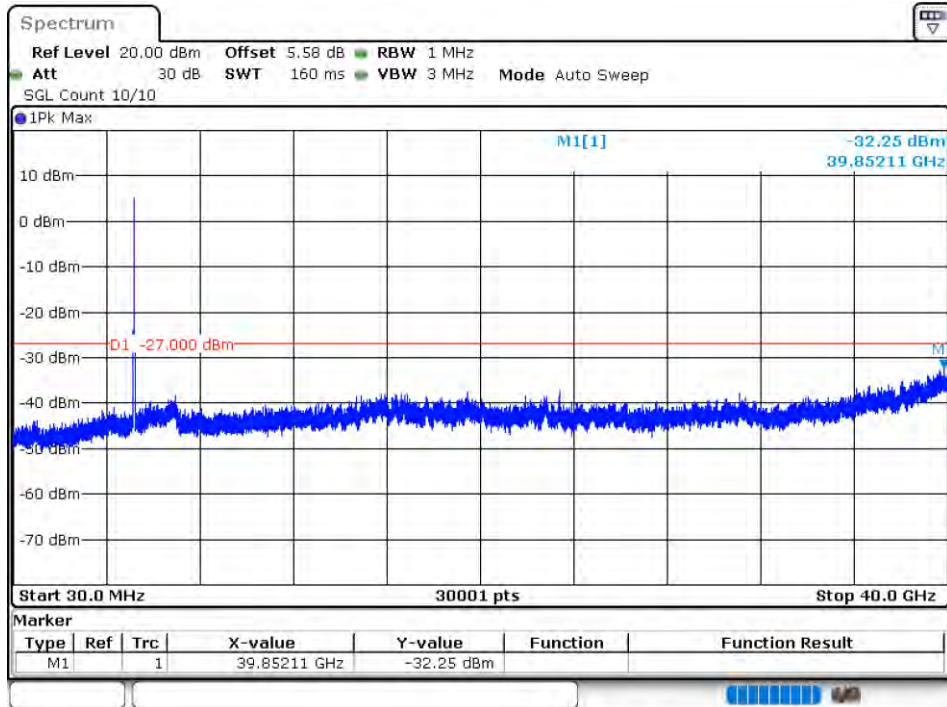
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



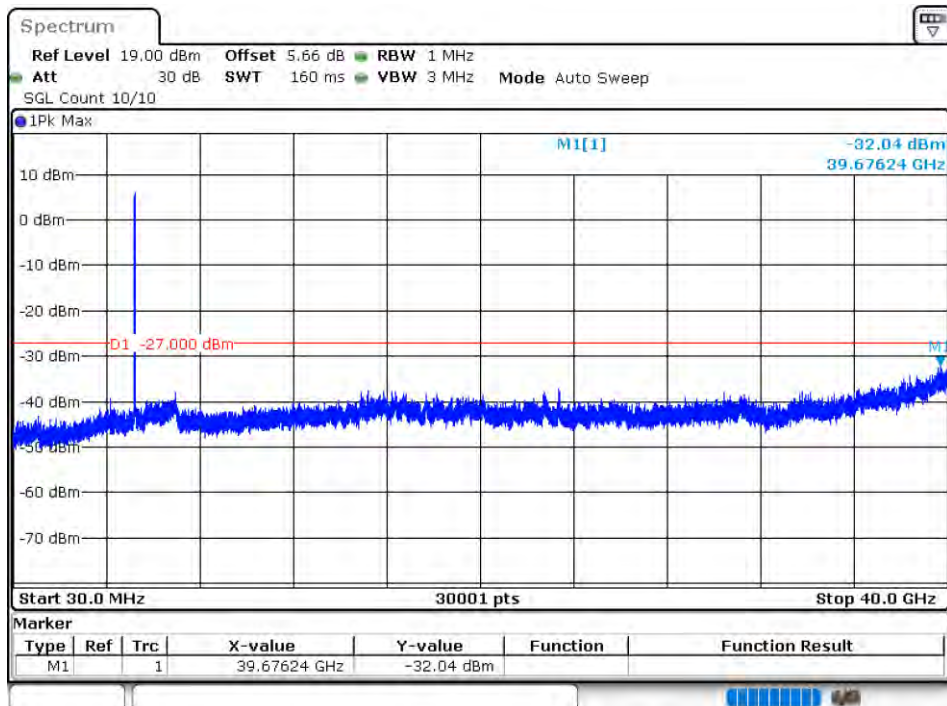
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



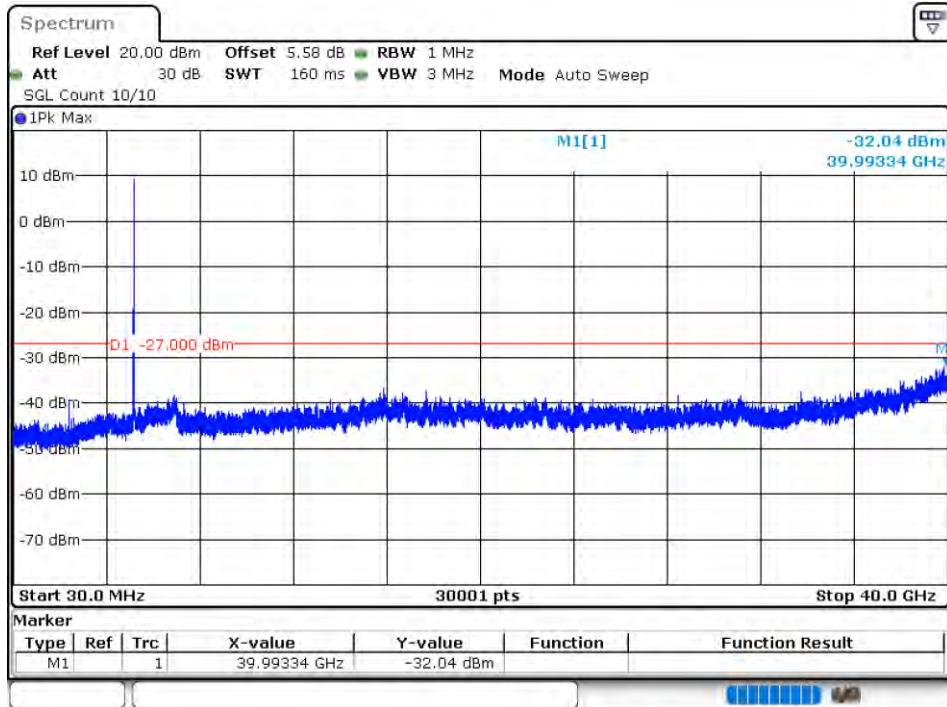
Tx. Spurious NVNT n40 5190MHz Ant1 Emission



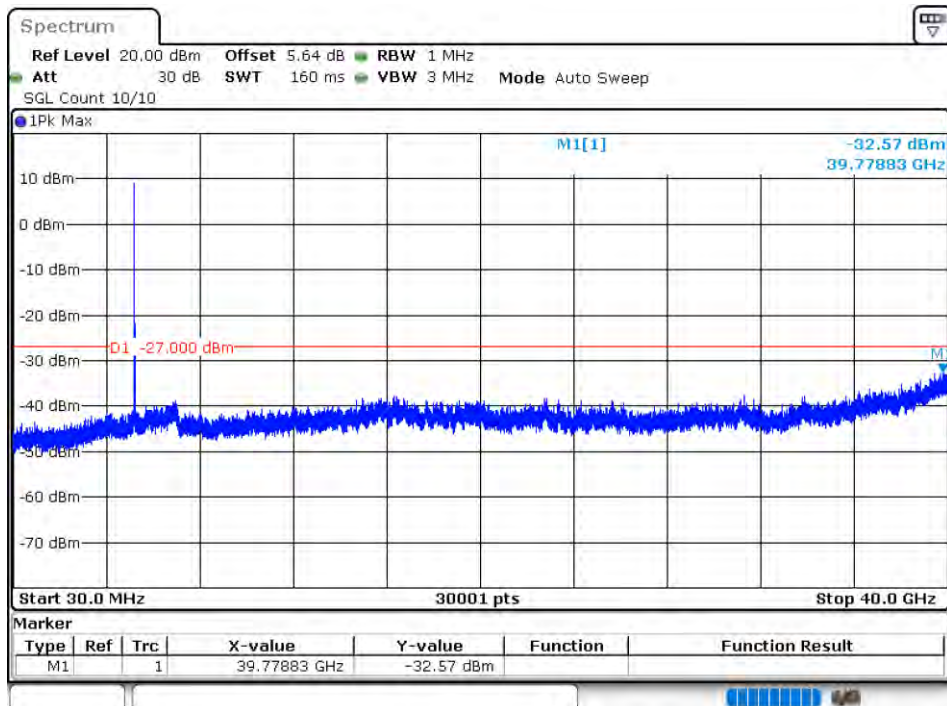
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



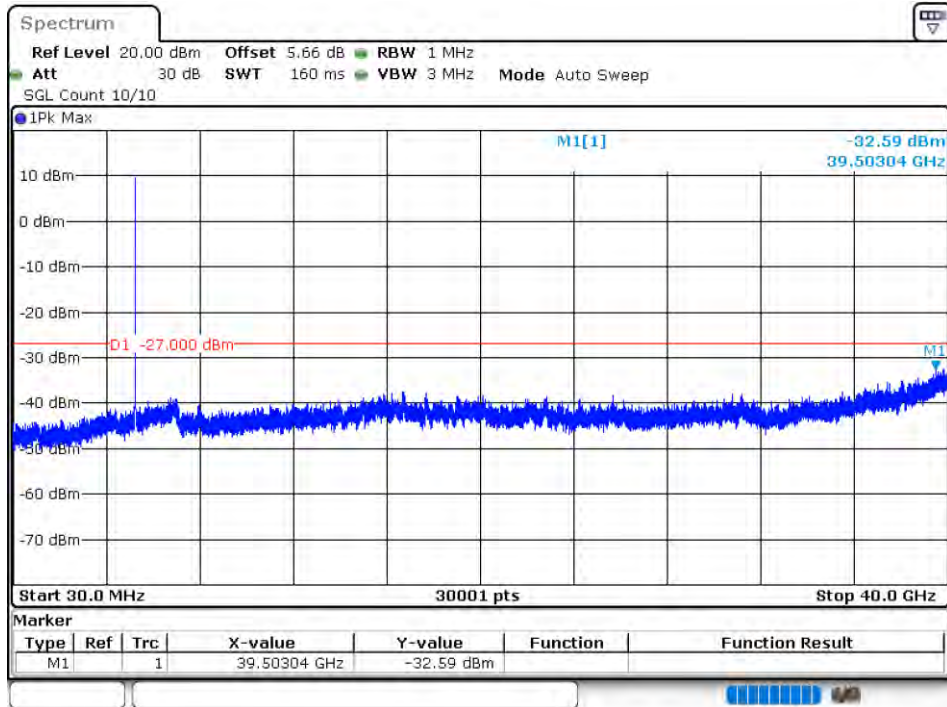
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



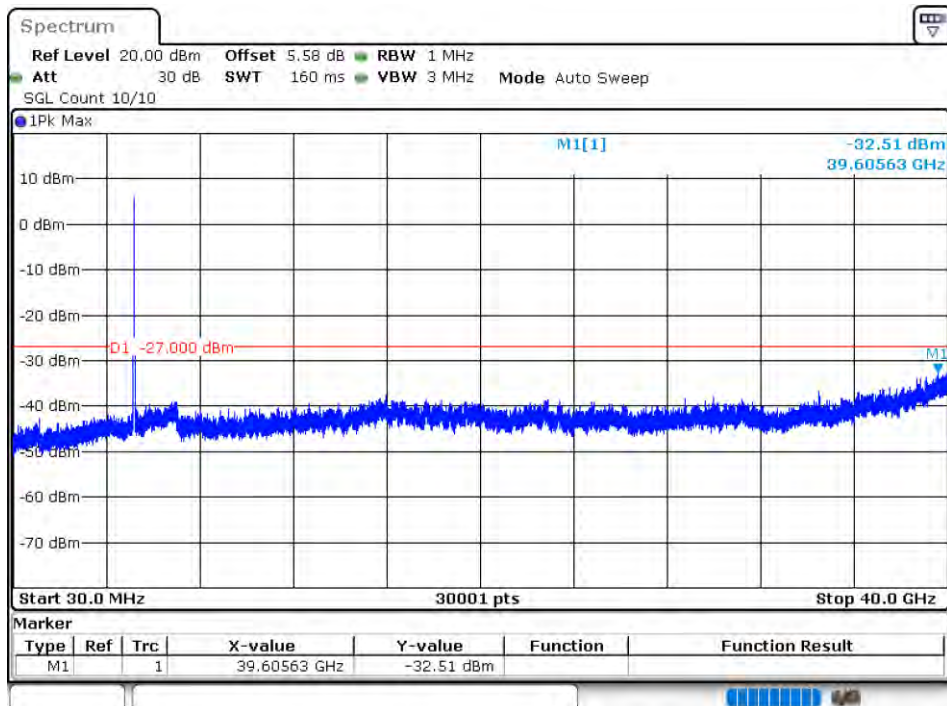
Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



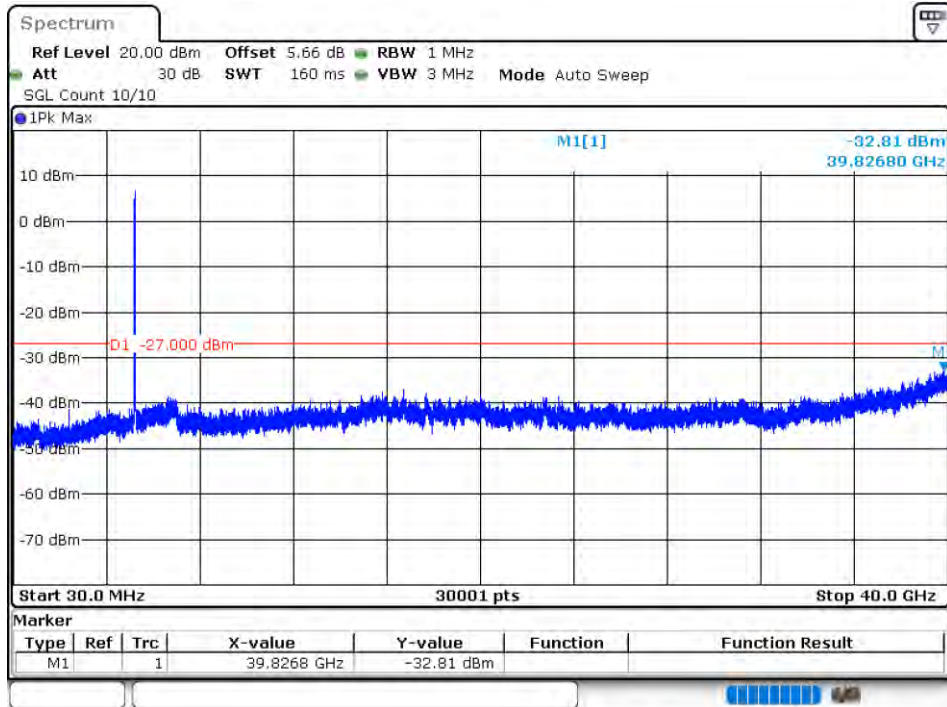
Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



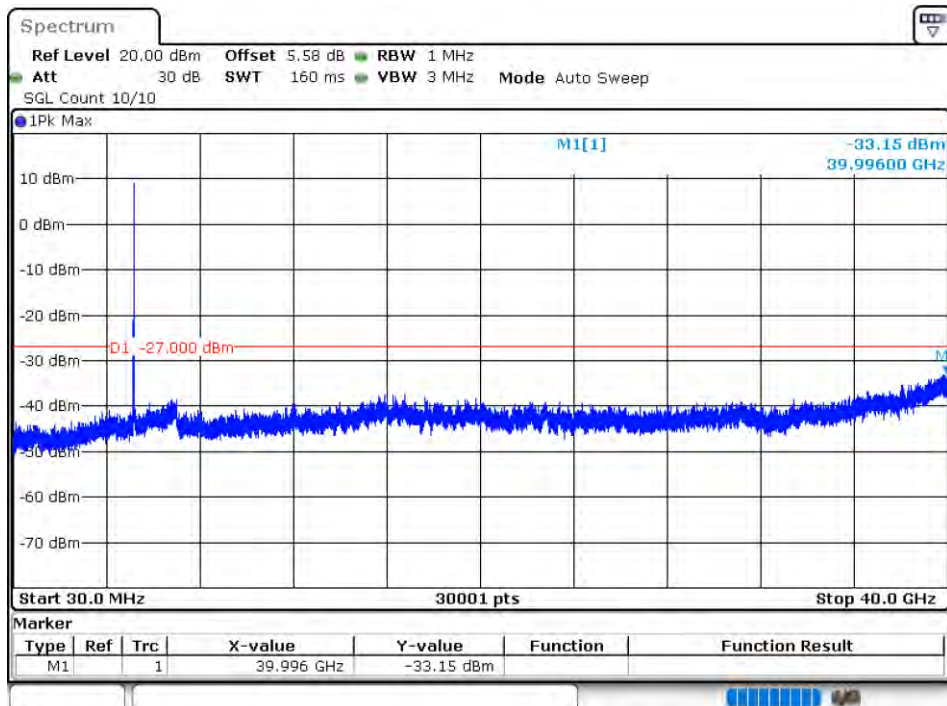
Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



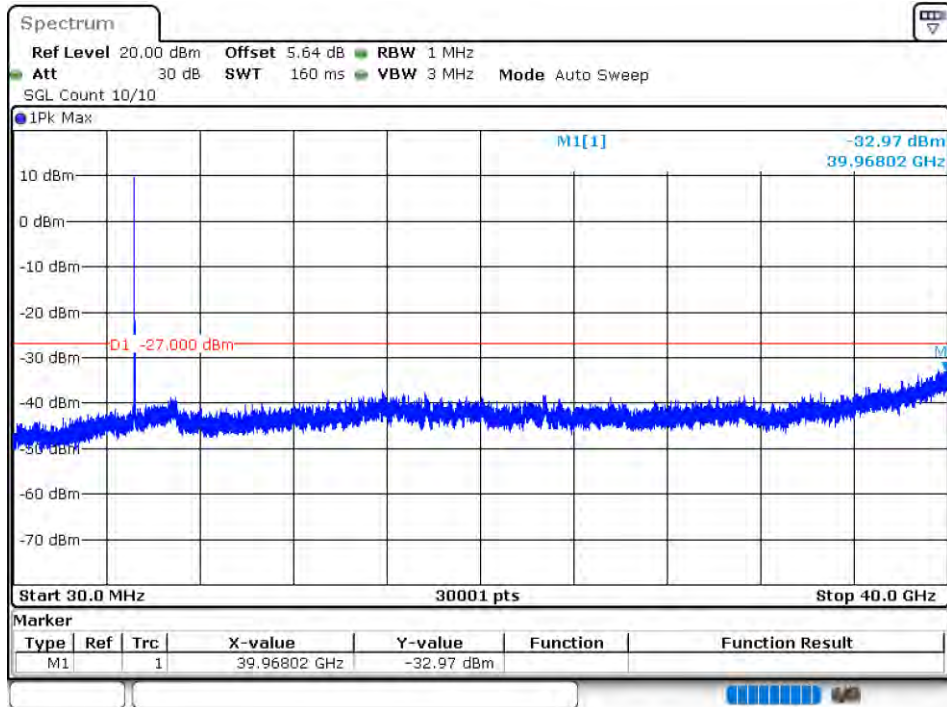
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



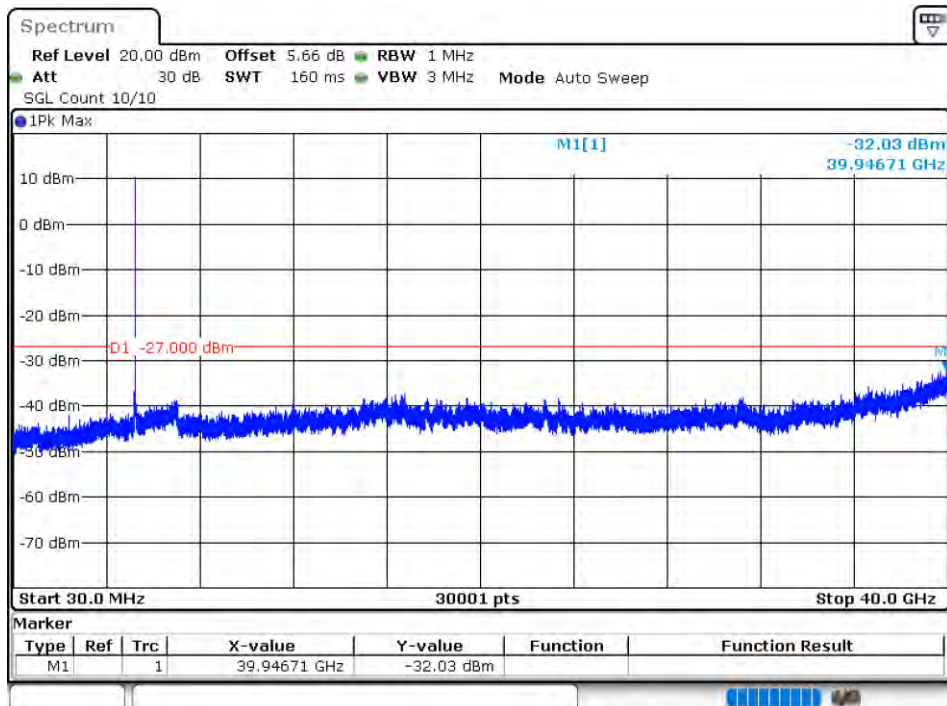
Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



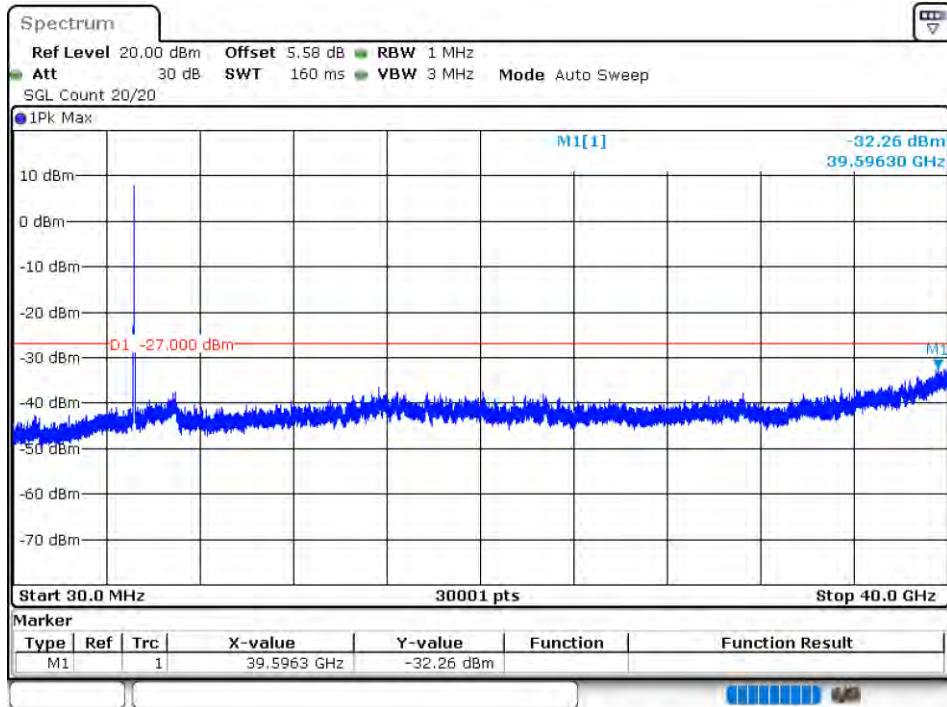
Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



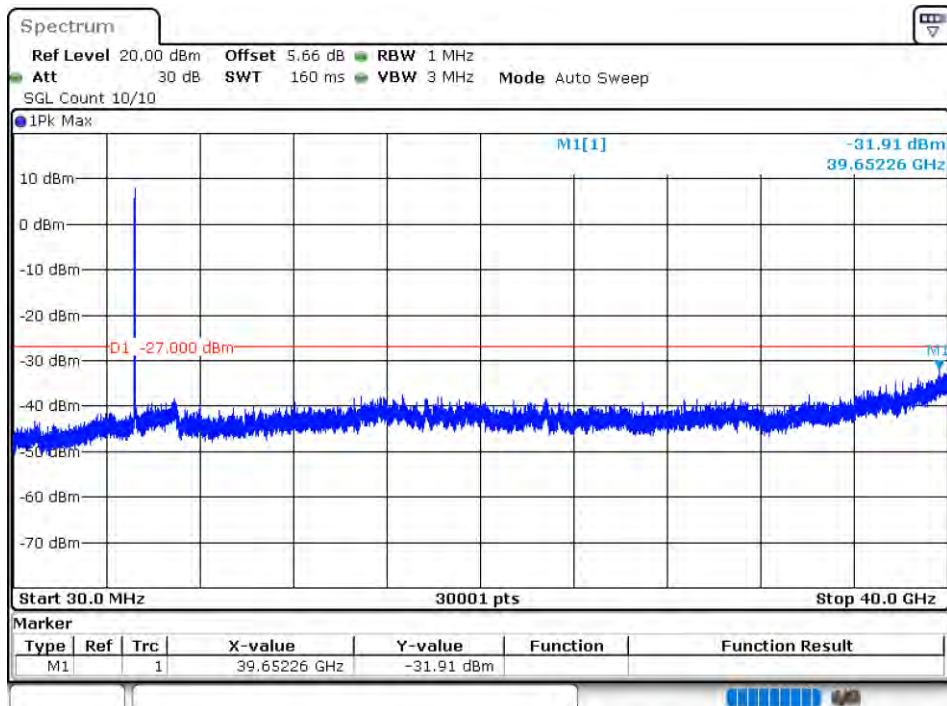
Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



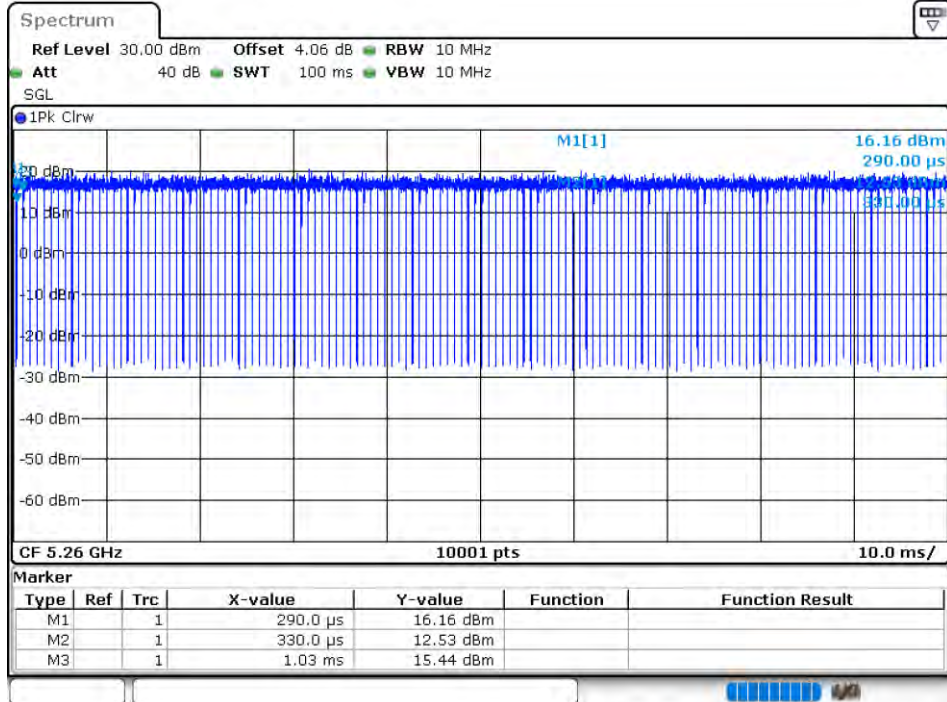
5.3G WIFI

Duty Cycle

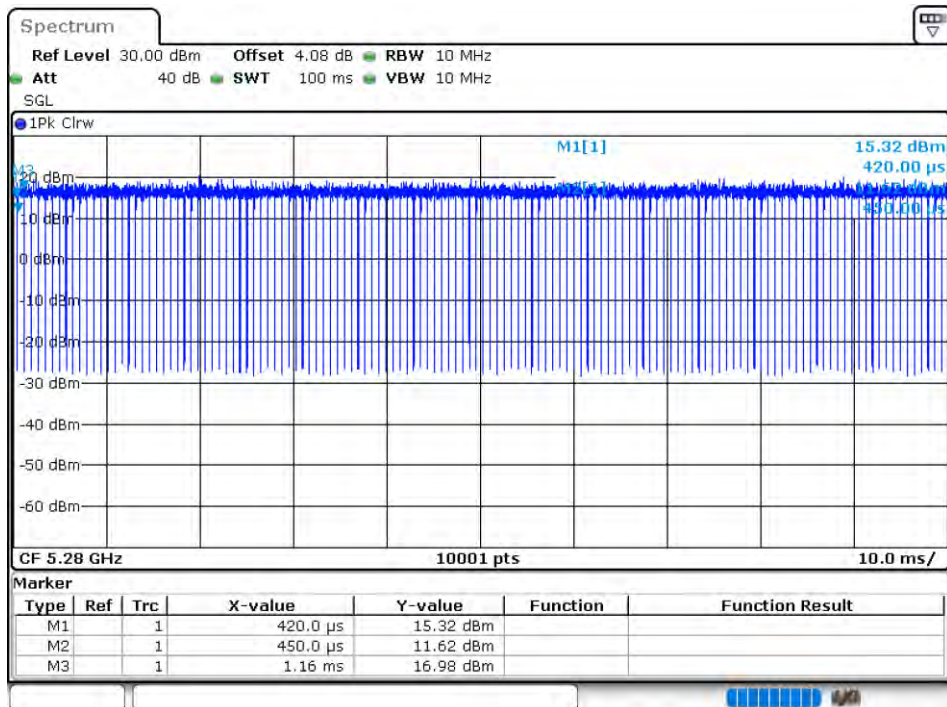
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	96.51	0.15	1.43
NVNT	a	5280	Ant1	96.48	0.16	1.41
NVNT	a	5320	Ant1	96.47	0.16	1.43
NVNT	n20	5260	Ant1	98.04	0.09	0.76
NVNT	n20	5280	Ant1	98.08	0.08	0.77
NVNT	n20	5320	Ant1	98.04	0.09	0.77
NVNT	n40	5270	Ant1	99.49	0.02	0.2
NVNT	n40	5310	Ant1	99.5	0.02	0.2
NVNT	ac20	5260	Ant1	98.06	0.09	0.76
NVNT	ac20	5280	Ant1	98.06	0.09	0.76
NVNT	ac20	5320	Ant1	98.08	0.08	0.76
NVNT	ac40	5270	Ant1	98.16	0.08	0.2
NVNT	ac40	5310	Ant1	99.48	0.02	0.2
NVNT	ax20	5260	Ant1	99.37	0.03	0.26
NVNT	ax20	5280	Ant1	99.38	0.03	0.26
NVNT	ax20	5320	Ant1	99.37	0.03	0.26
NVNT	ax40	5270	Ant1	98.79	0.05	0.51
NVNT	ax40	5310	Ant1	98.8	0.05	0.51

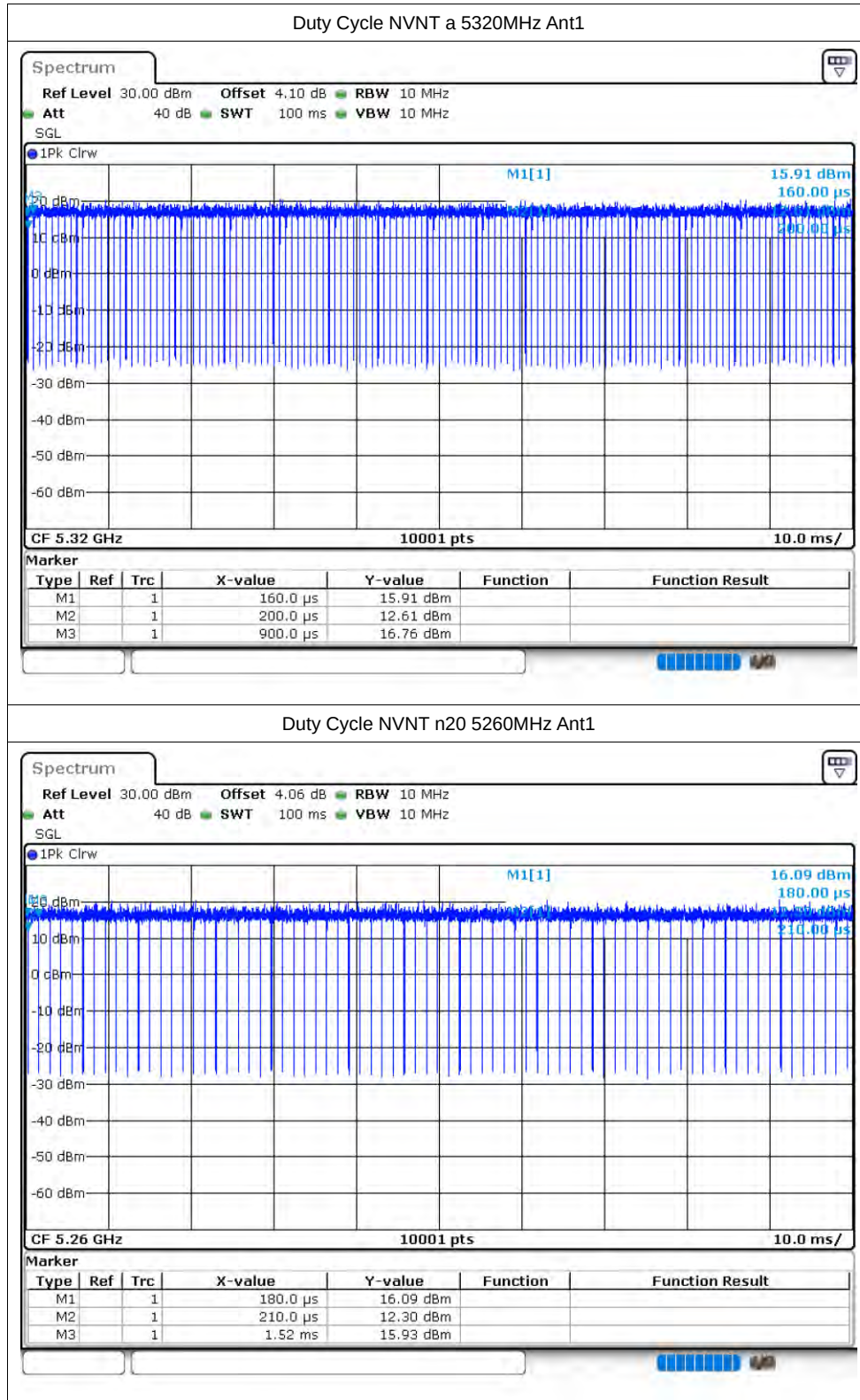
Test Graphs

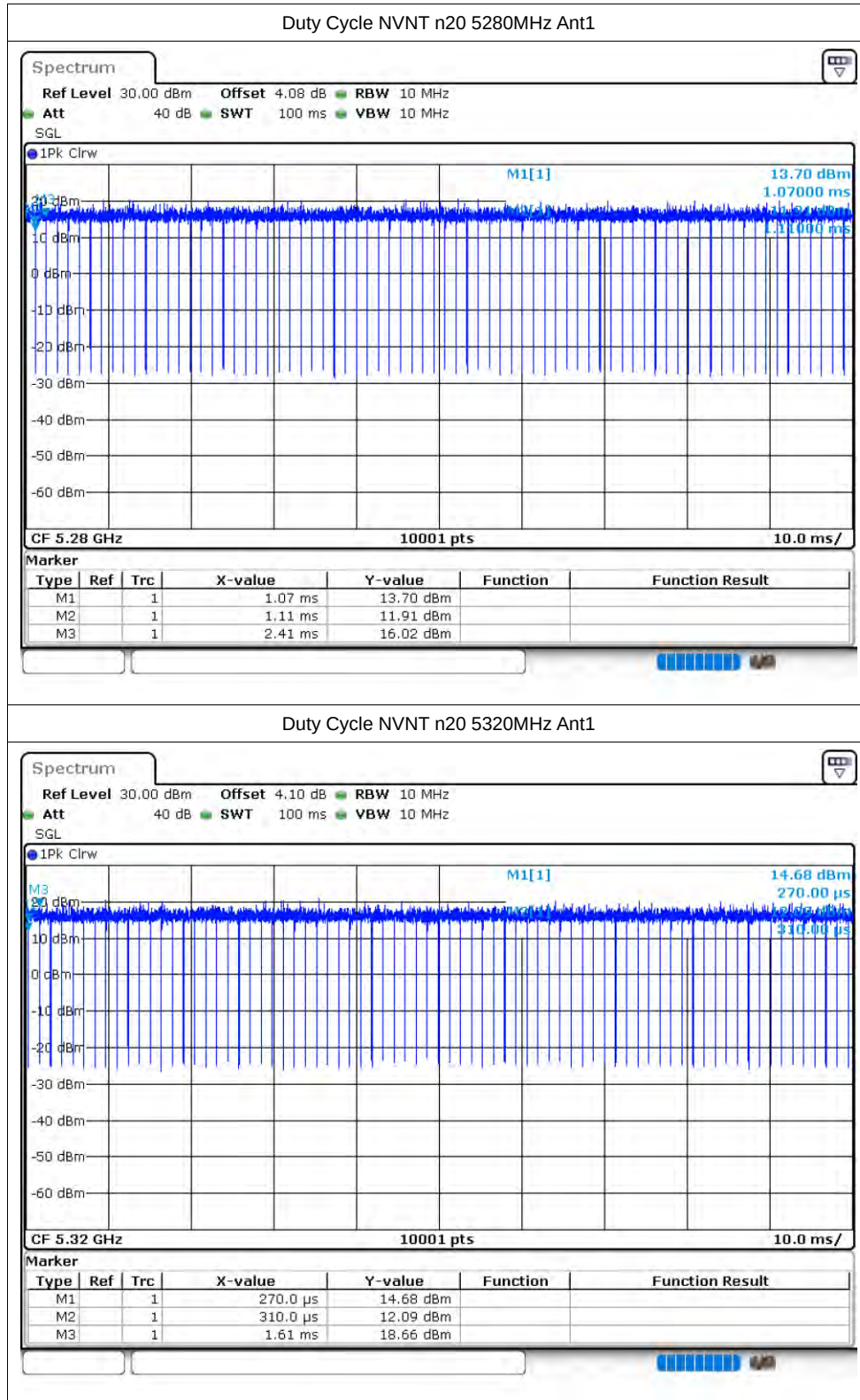
Duty Cycle NVNT a 5260MHz Ant1

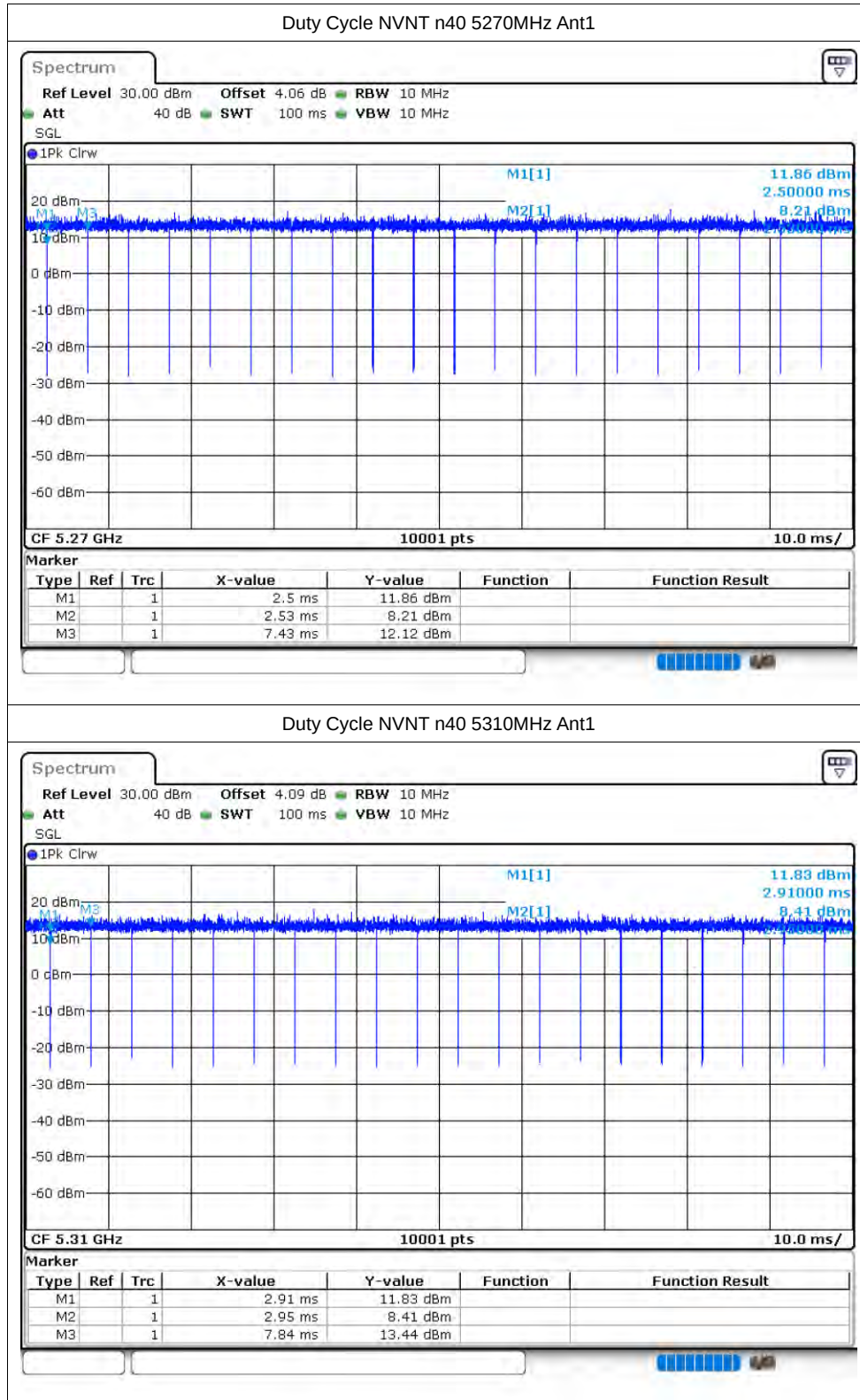


Duty Cycle NVNT a 5280MHz Ant1

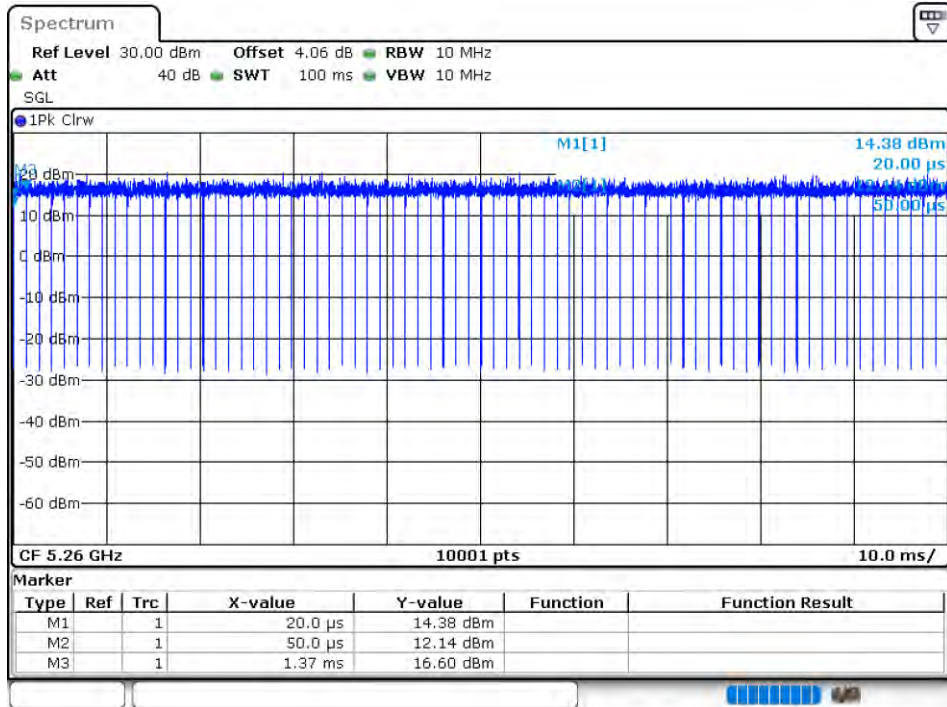




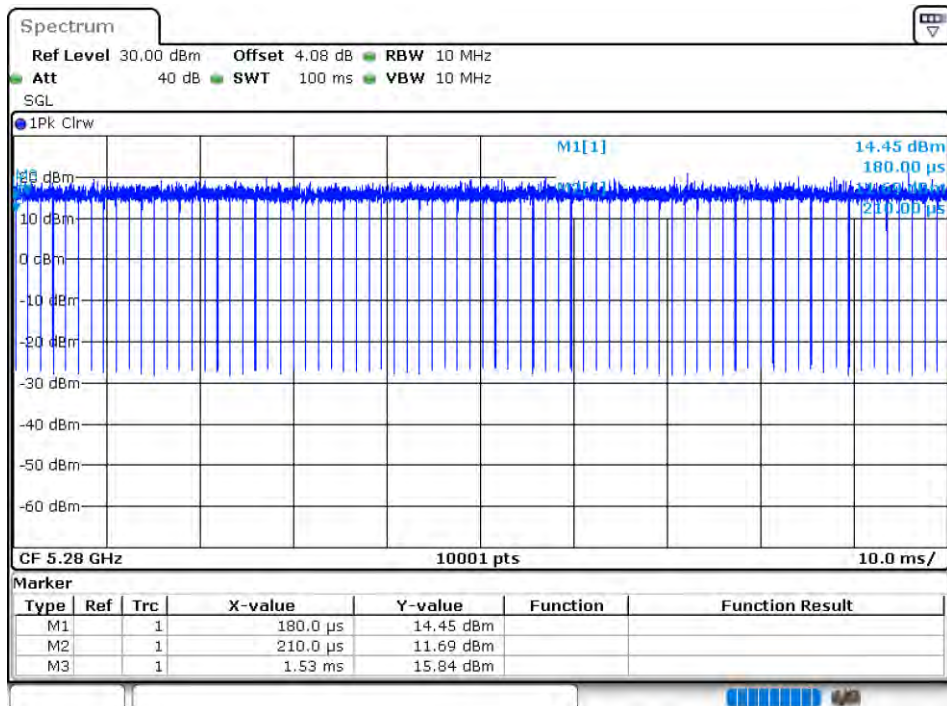




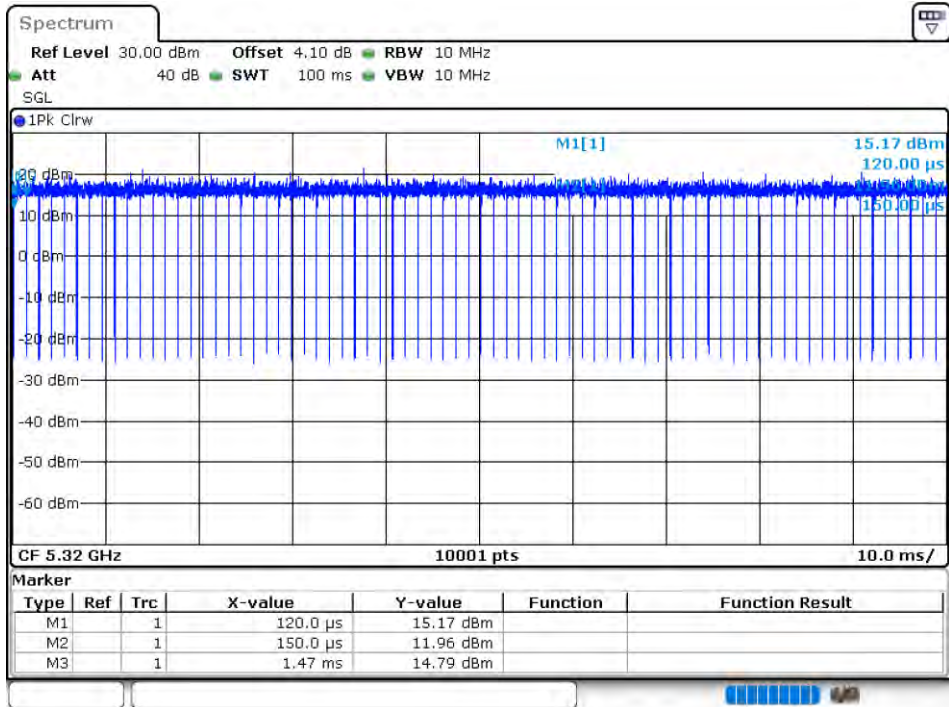
Duty Cycle NVNT ac20 5260MHz Ant1



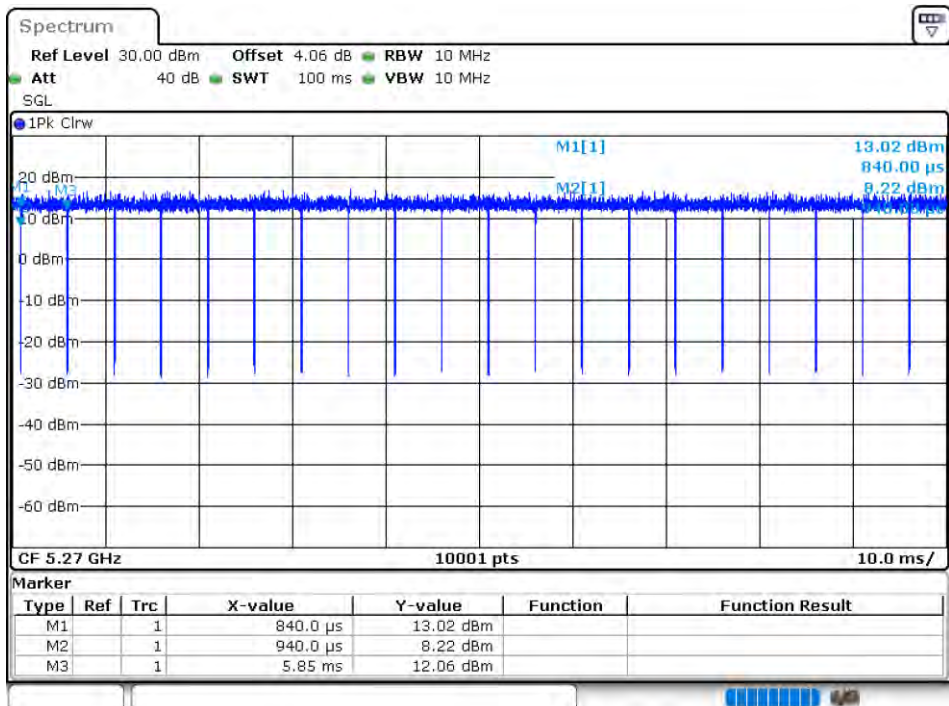
Duty Cycle NVNT ac20 5280MHz Ant1

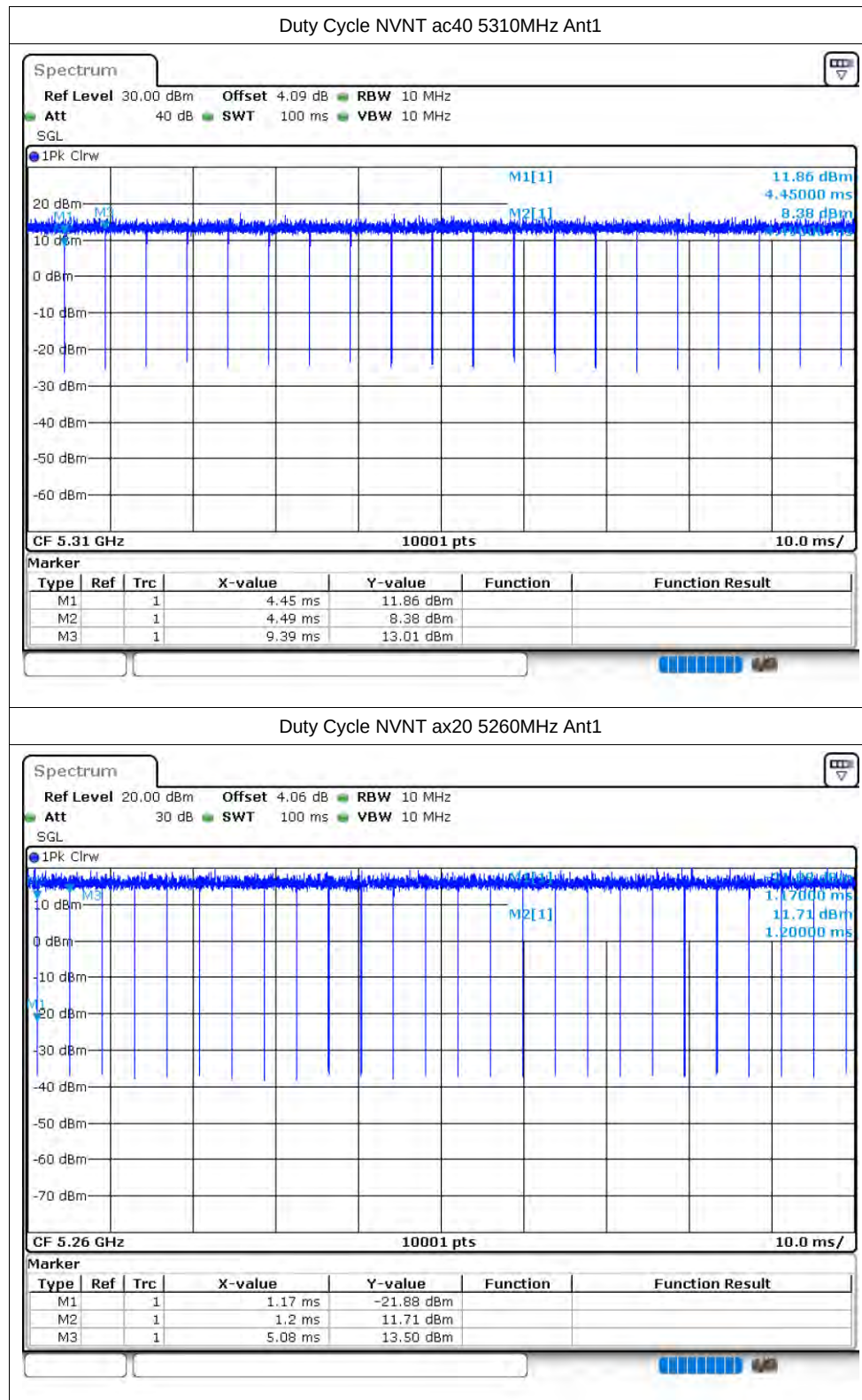


Duty Cycle NVNT ac20 5320MHz Ant1

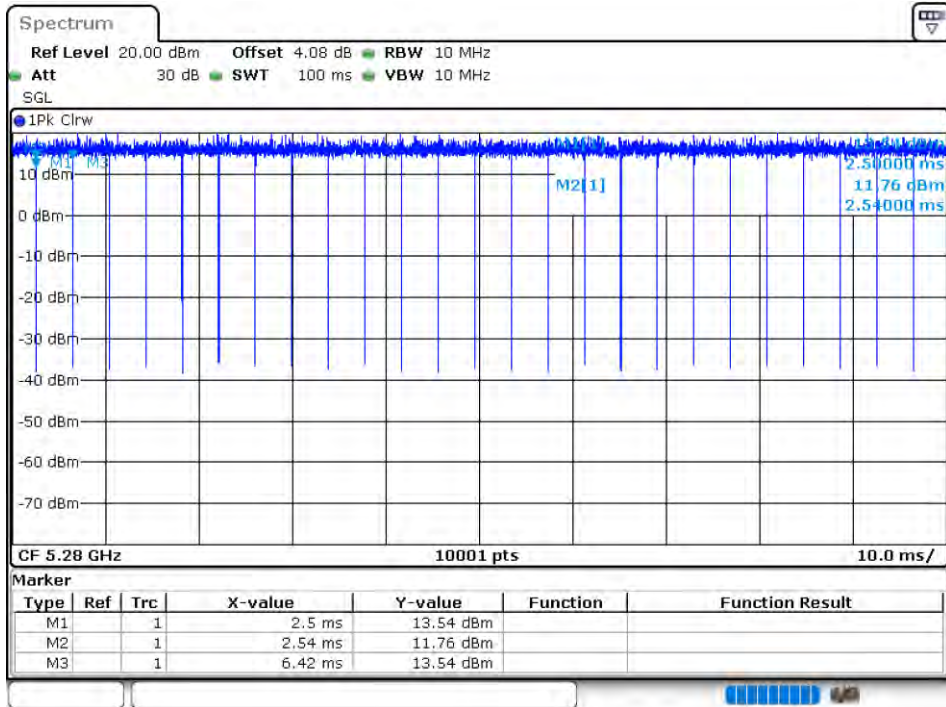


Duty Cycle NVNT ac40 5270MHz Ant1

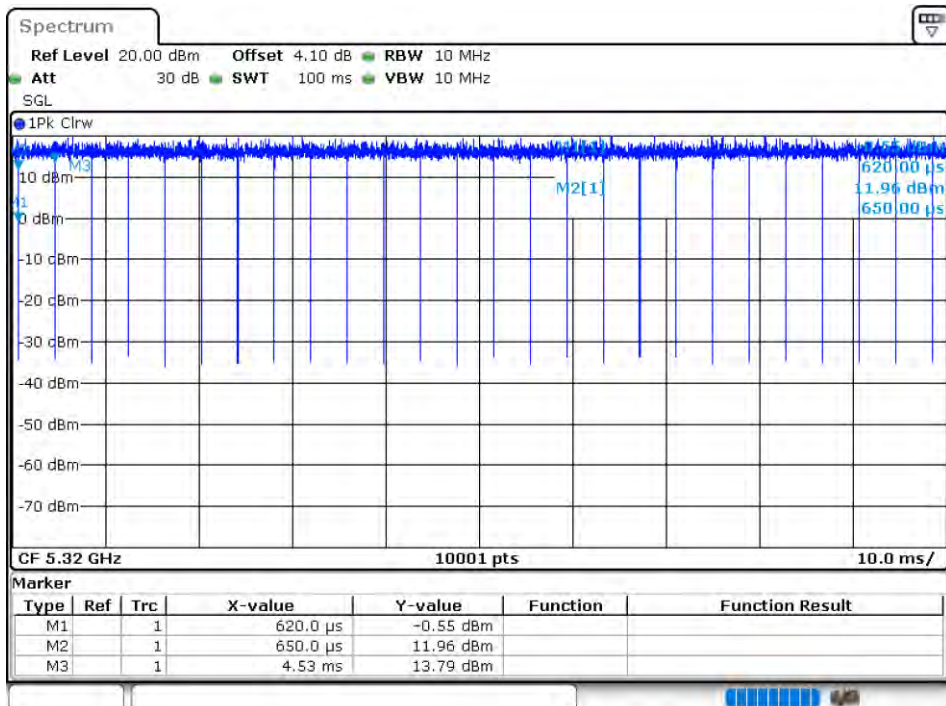




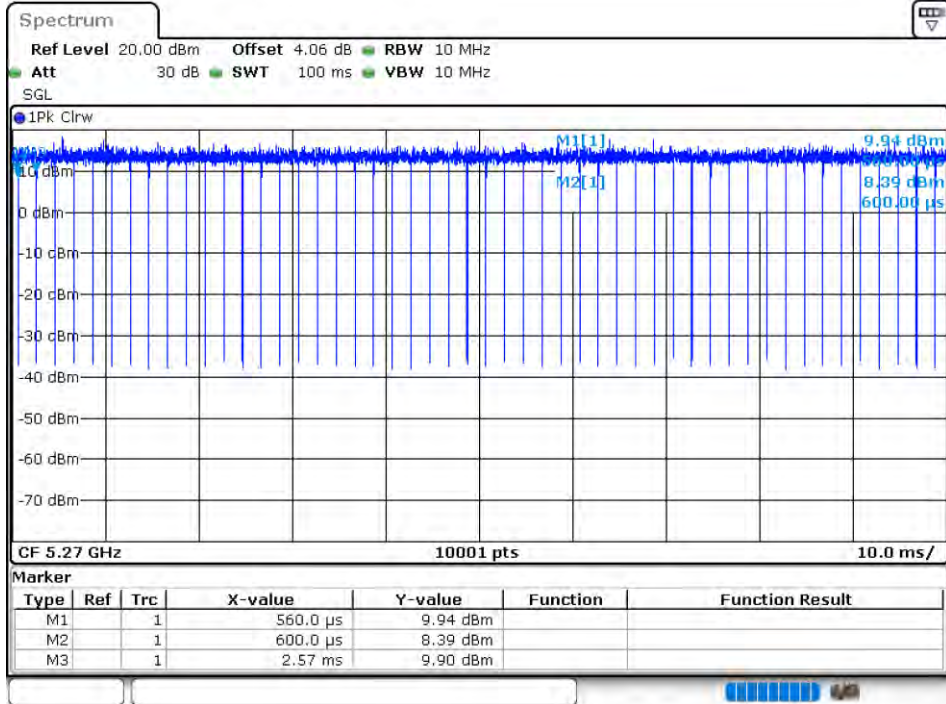
Duty Cycle NVNT ax20 5280MHz Ant1



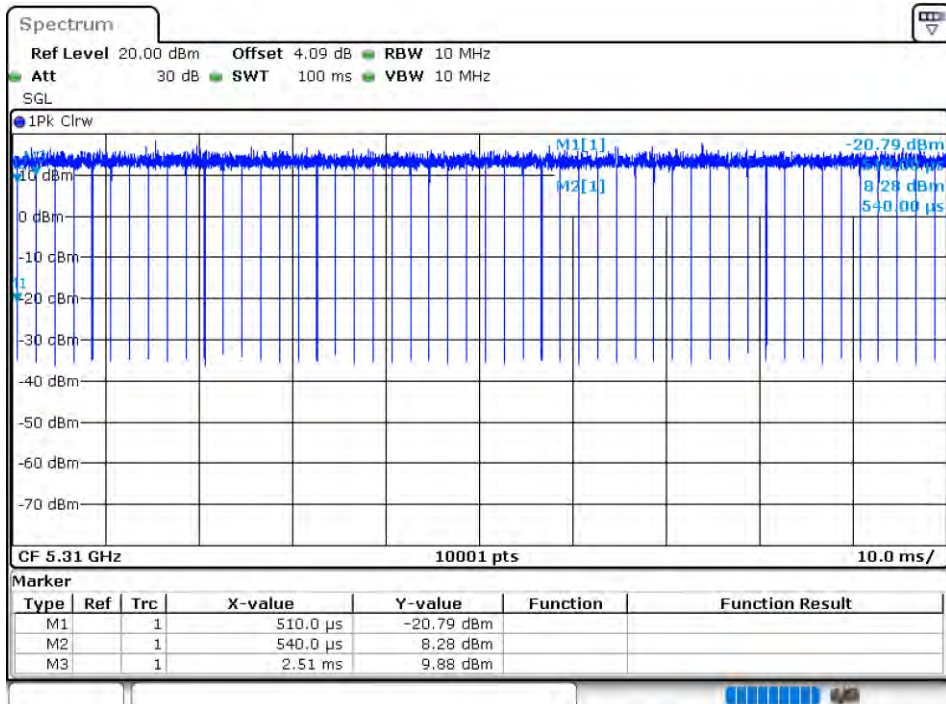
Duty Cycle NVNT ax20 5320MHz Ant1



Duty Cycle NVNT ax40 5270MHz Ant1



Duty Cycle NVNT ax40 5310MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	12.23	24	Pass
NVNT	a	5280	Ant1	11.45	24	Pass
NVNT	a	5320	Ant1	12.59	24	Pass
NVNT	n20	5260	Ant1	12.38	24	Pass
NVNT	n20	5280	Ant1	12.05	24	Pass
NVNT	n20	5320	Ant1	12.43	24	Pass
NVNT	n40	5270	Ant1	11.92	24	Pass
NVNT	n40	5310	Ant1	12.3	24	Pass
NVNT	ac20	5260	Ant1	12.19	24	Pass
NVNT	ac20	5280	Ant1	11.66	24	Pass
NVNT	ac20	5320	Ant1	12.07	24	Pass
NVNT	ac40	5270	Ant1	11.97	24	Pass
NVNT	ac40	5310	Ant1	11.92	24	Pass
NVNT	ax20	5260	Ant1	11.51	24	Pass
NVNT	ax20	5280	Ant1	11.64	24	Pass
NVNT	ax20	5320	Ant1	12.15	24	Pass
NVNT	ax40	5270	Ant1	11.94	24	Pass
NVNT	ax40	5310	Ant1	12.07	24	Pass

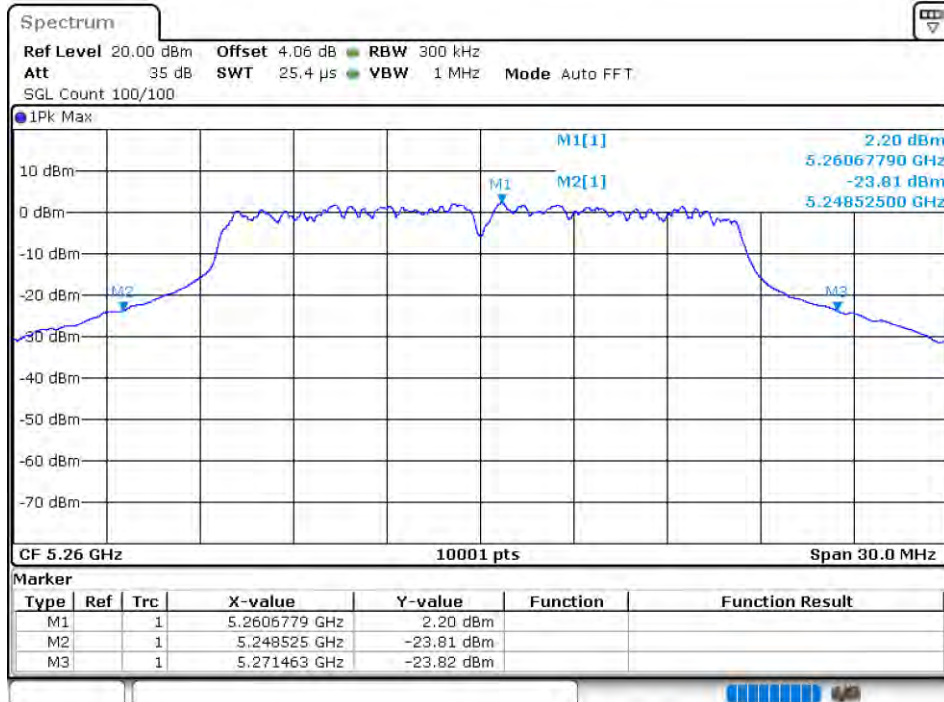
Note: The average power has contained duty cycle

-26dB Bandwidth

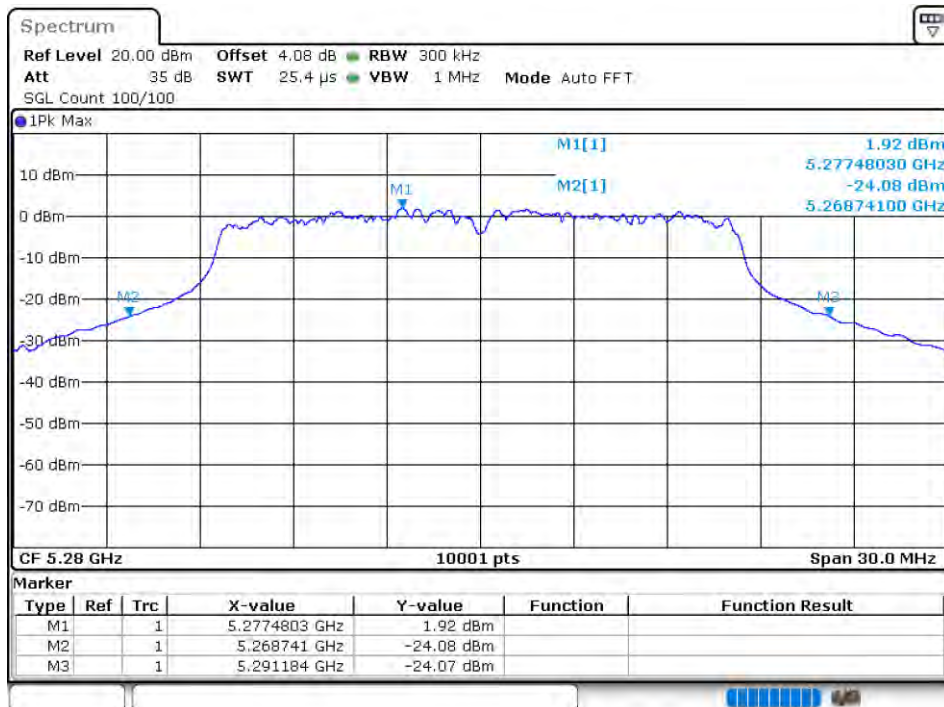
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	22.938	Pass
NVNT	a	5280	Ant1	22.443	Pass
NVNT	a	5320	Ant1	22.617	Pass
NVNT	n20	5260	Ant1	25.089	Pass
NVNT	n20	5280	Ant1	25.08	Pass
NVNT	n20	5320	Ant1	25.041	Pass
NVNT	n40	5270	Ant1	46.89	Pass
NVNT	n40	5310	Ant1	47.07	Pass
NVNT	ac20	5260	Ant1	23.955	Pass
NVNT	ac20	5280	Ant1	24.204	Pass
NVNT	ac20	5320	Ant1	23.277	Pass
NVNT	ac40	5270	Ant1	46.824	Pass
NVNT	ac40	5310	Ant1	46.962	Pass
NVNT	ax20	5260	Ant1	26.838	Pass
NVNT	ax20	5280	Ant1	24.012	Pass
NVNT	ax20	5320	Ant1	22.422	Pass
NVNT	ax40	5270	Ant1	45.072	Pass
NVNT	ax40	5310	Ant1	45.594	Pass

Test Graphs

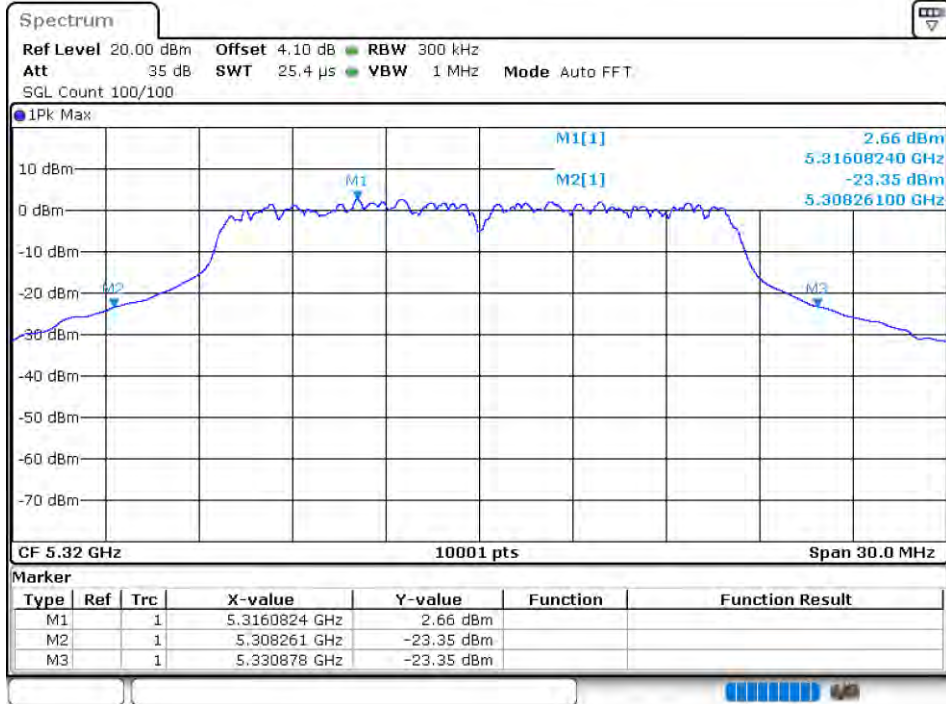
-26dB Bandwidth NVNT a 5260MHz Ant1



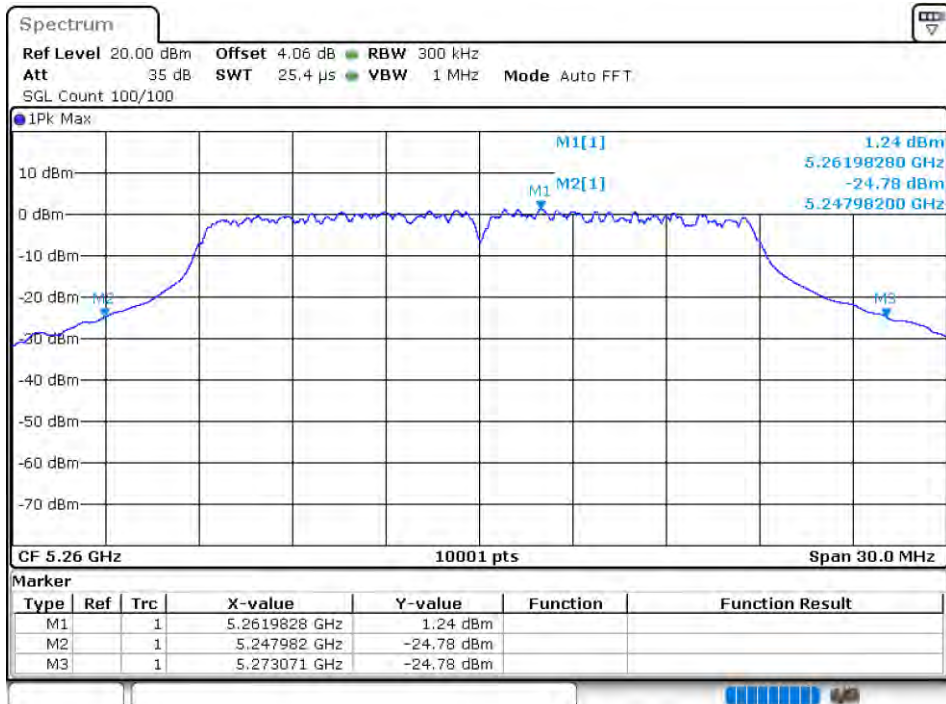
-26dB Bandwidth NVNT a 5280MHz Ant1



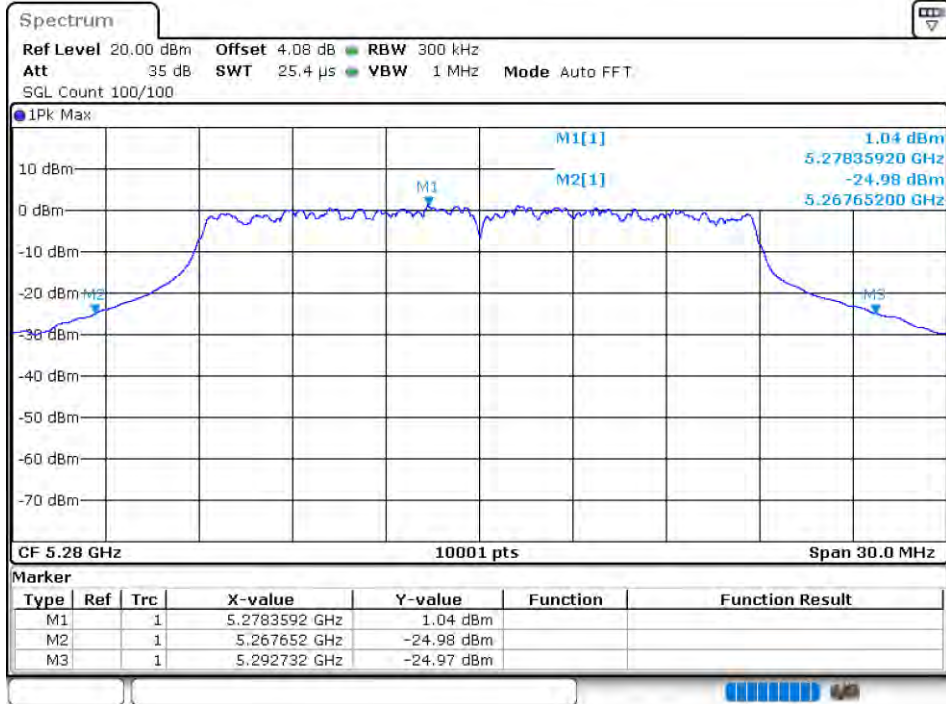
-26dB Bandwidth NVNT a 5320MHz Ant1



-26dB Bandwidth NVNT n20 5260MHz Ant1



-26dB Bandwidth NVNT n20 5280MHz Ant1



-26dB Bandwidth NVNT n20 5320MHz Ant1

