

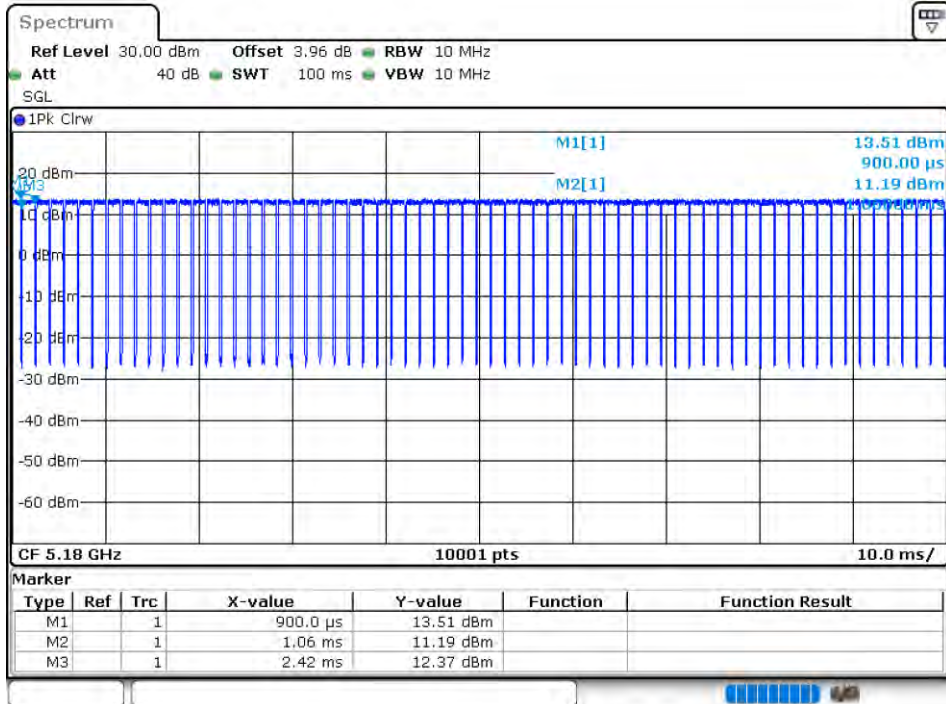
5.2G WIFI

Duty Cycle

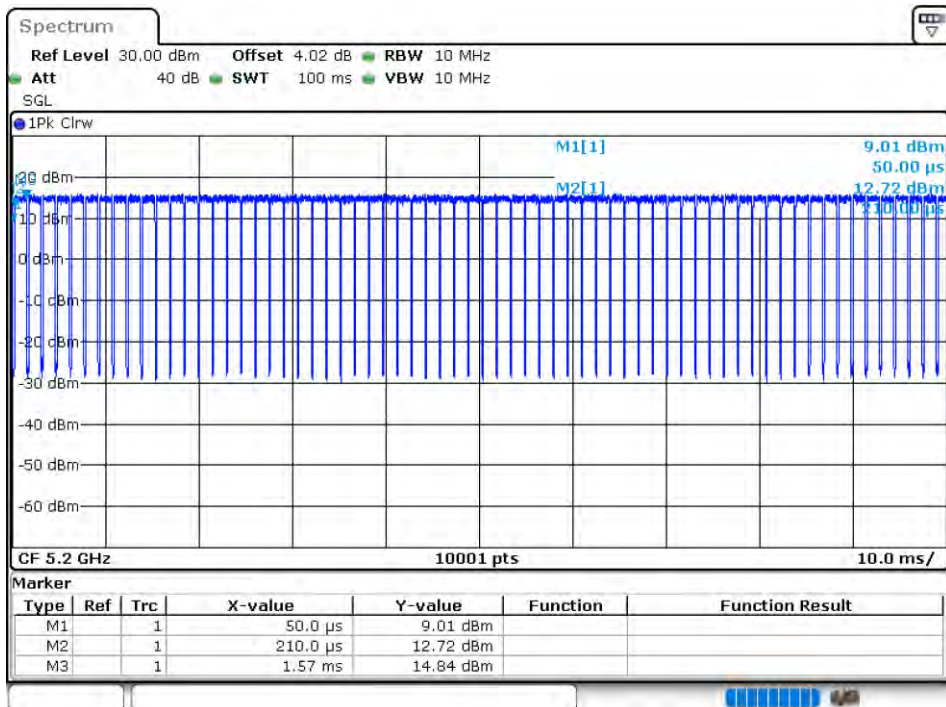
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	90.02	0.46	0.74
NVNT	a	5200	Ant1	90.04	0.46	0.74
NVNT	a	5240	Ant1	90.02	0.46	0.74
NVNT	n20	5180	Ant1	89.52	0.48	0.78
NVNT	n20	5200	Ant1	89.43	0.49	0.78
NVNT	n20	5240	Ant1	89.43	0.49	0.78
NVNT	n40	5190	Ant1	80.97	0.92	1.59
NVNT	n40	5230	Ant1	80.92	0.92	1.59
NVNT	ac20	5180	Ant1	89.42	0.49	0.78
NVNT	ac20	5200	Ant1	89.57	0.48	0.78
NVNT	ac20	5240	Ant1	89.49	0.48	0.78
NVNT	ac40	5190	Ant1	81.12	0.91	1.56
NVNT	ac40	5230	Ant1	81.12	0.91	1.56
NVNT	ac80	5210	Ant1	68.5	1.64	3.23
NVNT	ax20	5180	Ant1	86.77	0.62	1
NVNT	ax20	5200	Ant1	86.95	0.61	1.01
NVNT	ax20	5240	Ant1	86.95	0.61	1
NVNT	ax40	5190	Ant1	77.45	1.11	1.92
NVNT	ax40	5230	Ant1	78.1	1.07	1.92
NVNT	ax80	5210	Ant1	65.88	1.81	3.57

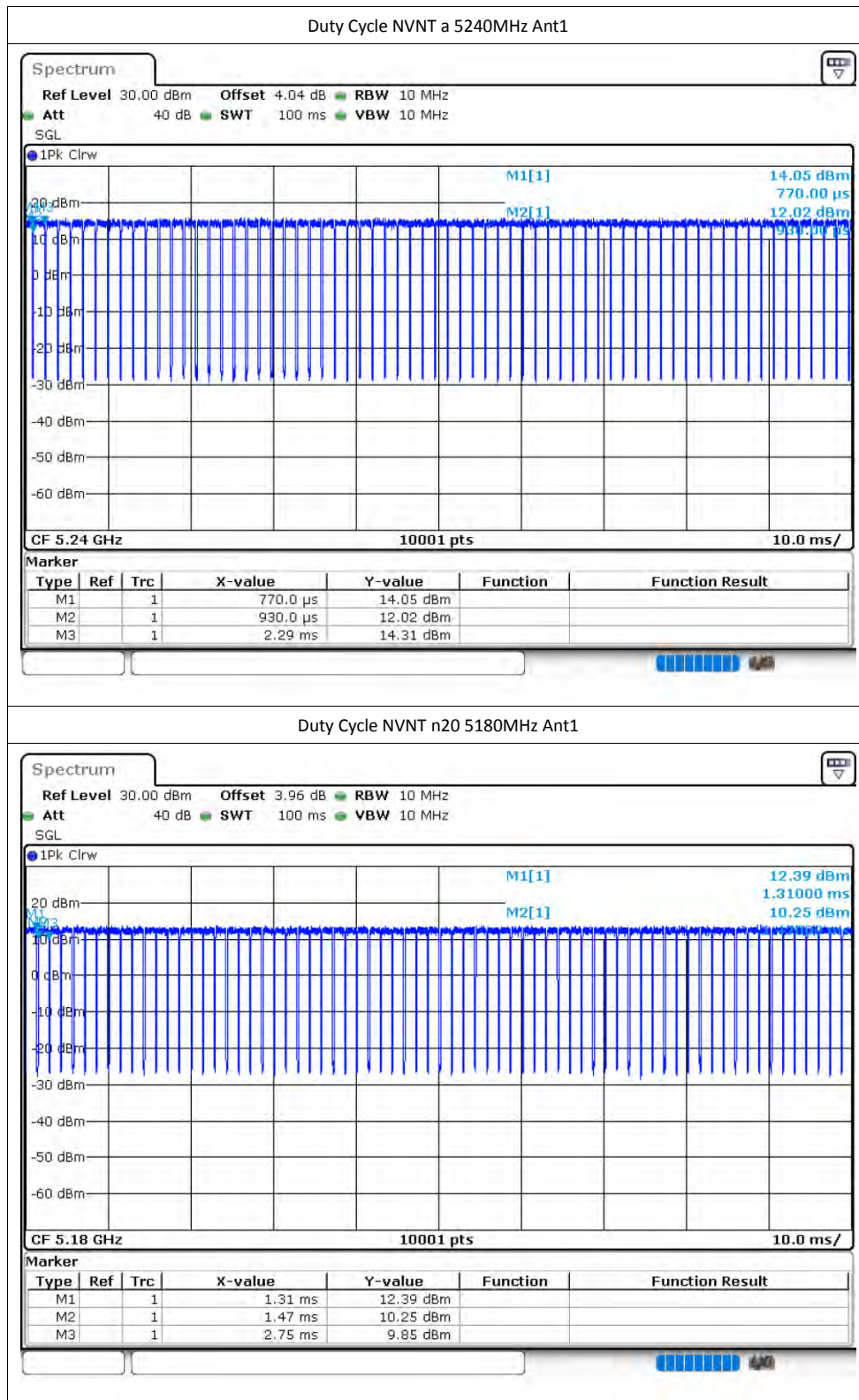
Test Graphs

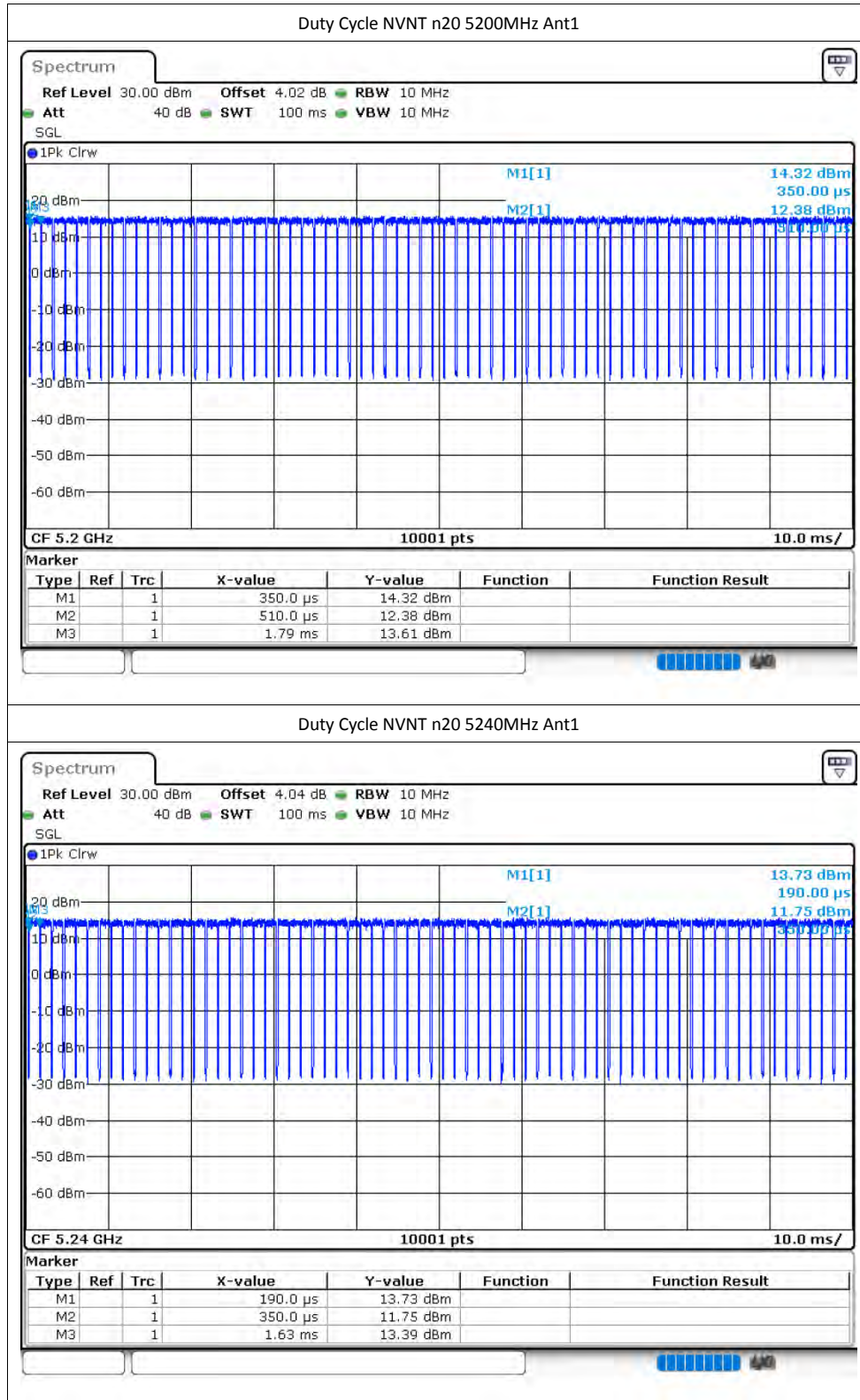
Duty Cycle NVNT a 5180MHz Ant1



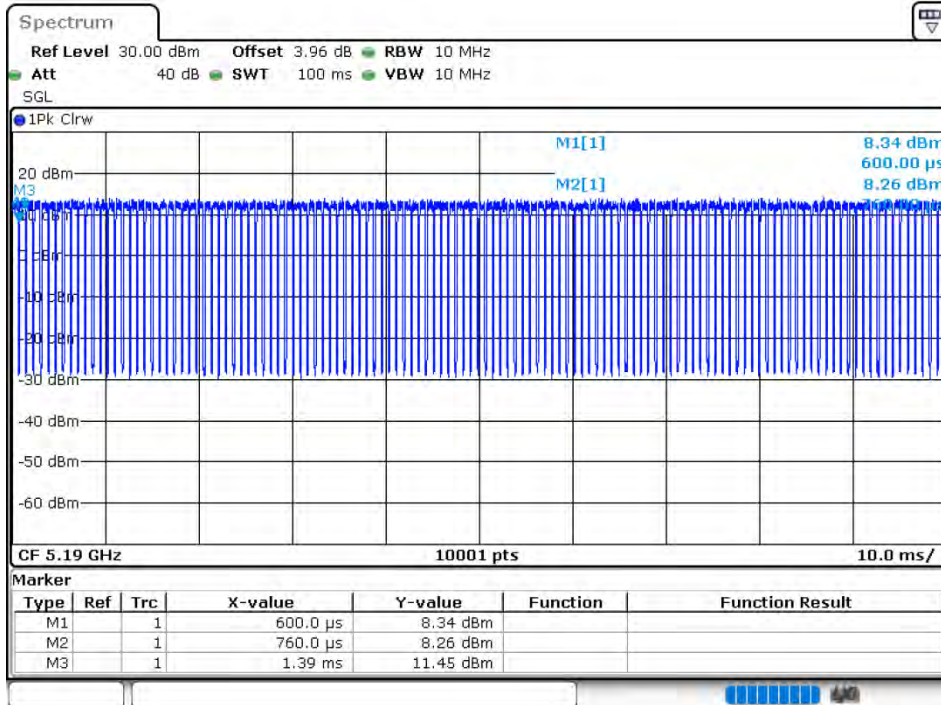
Duty Cycle NVNT a 5200MHz Ant1



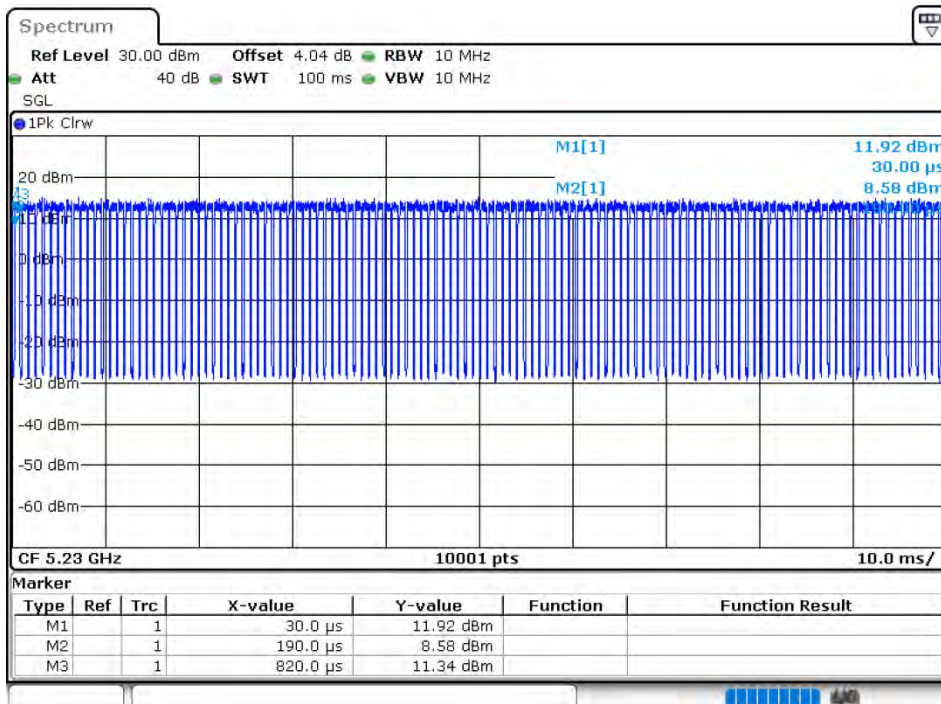


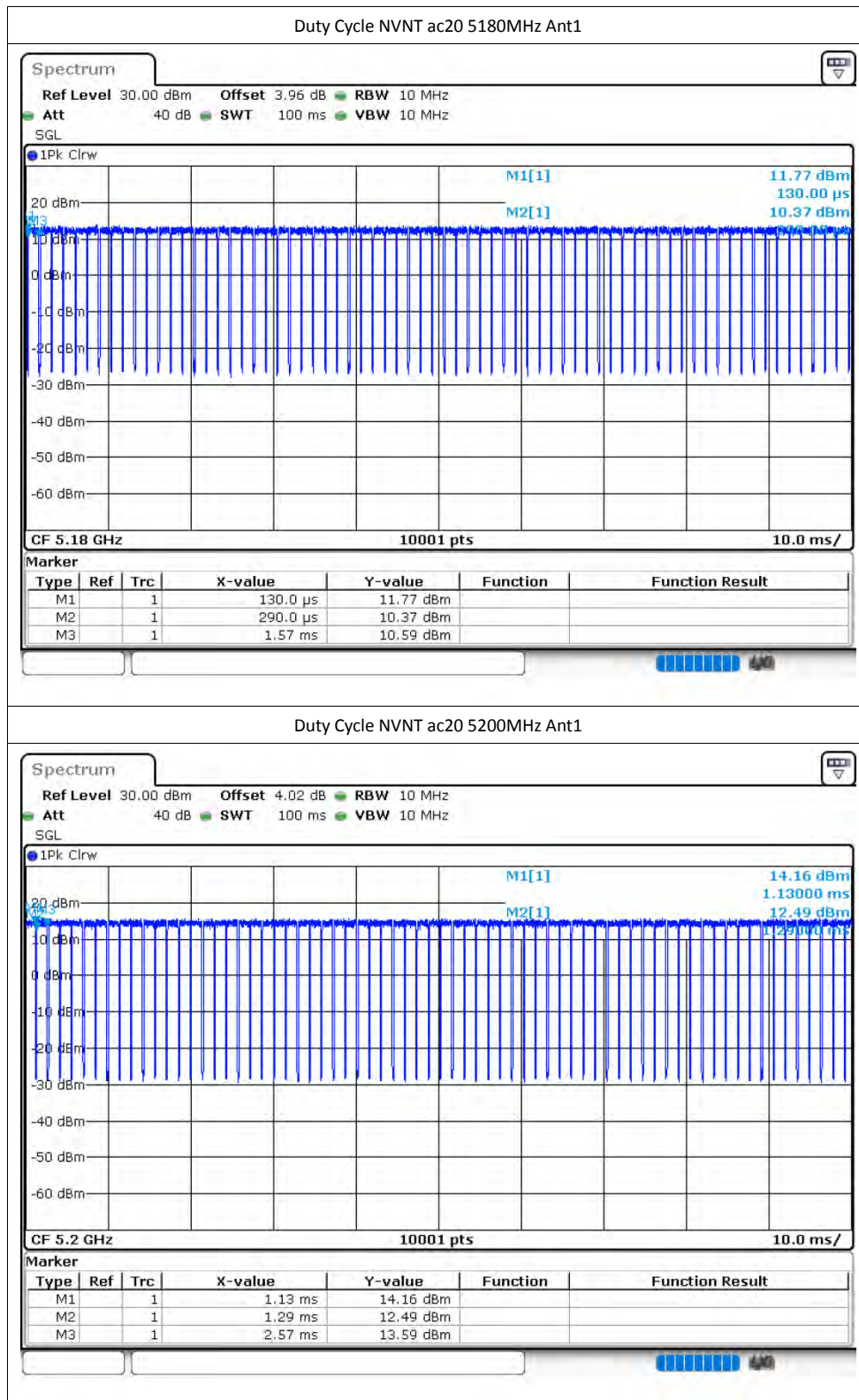


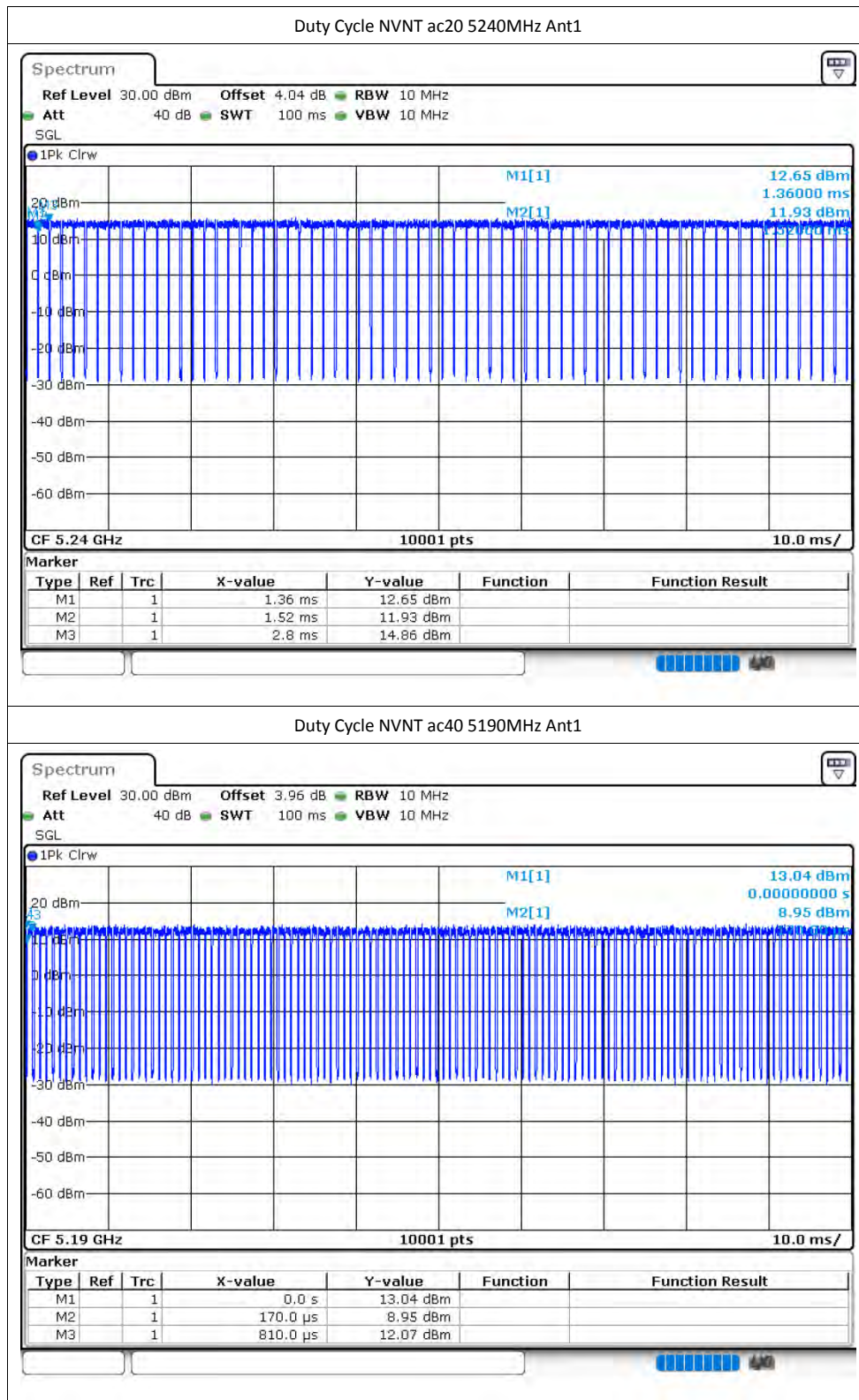
Duty Cycle NVNT n40 5190MHz Ant1



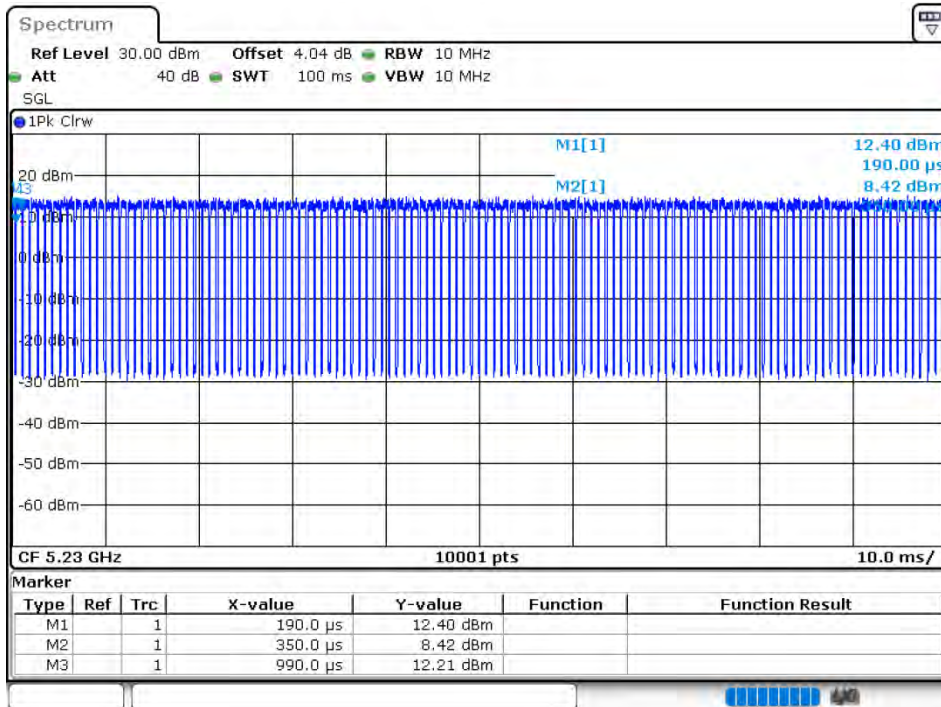
Duty Cycle NVNT n40 5230MHz Ant1



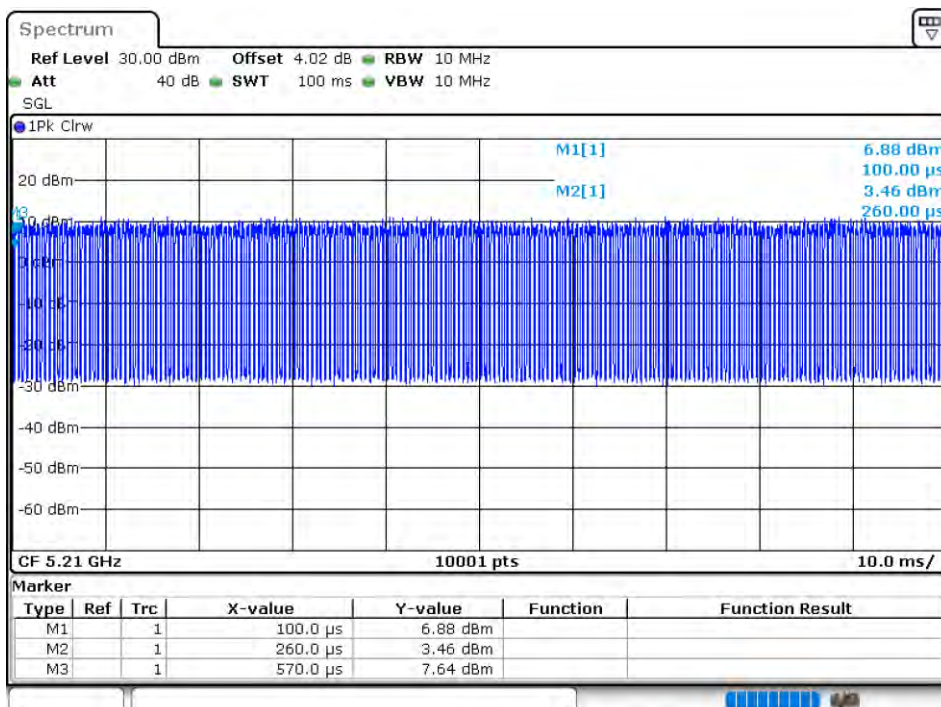


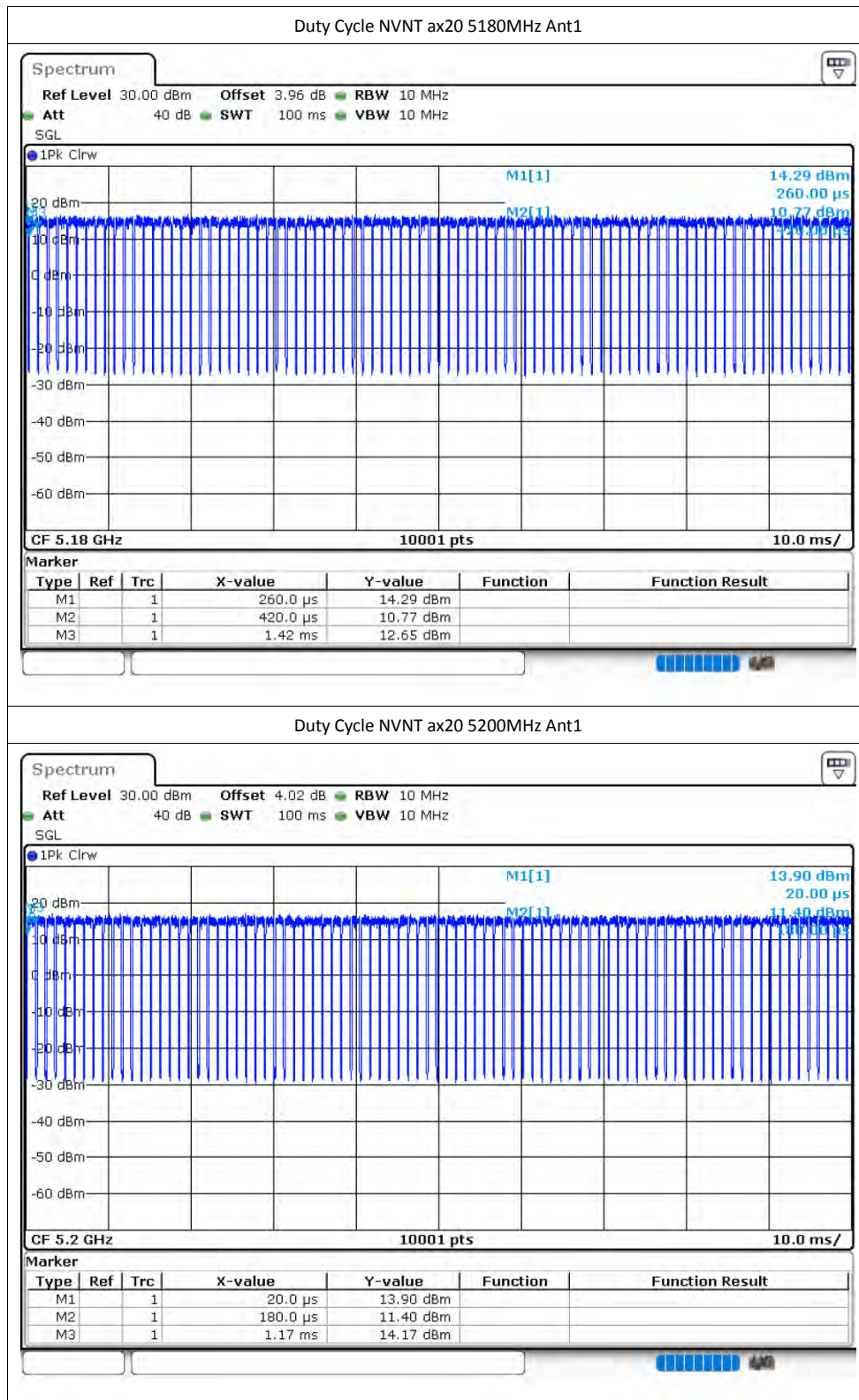


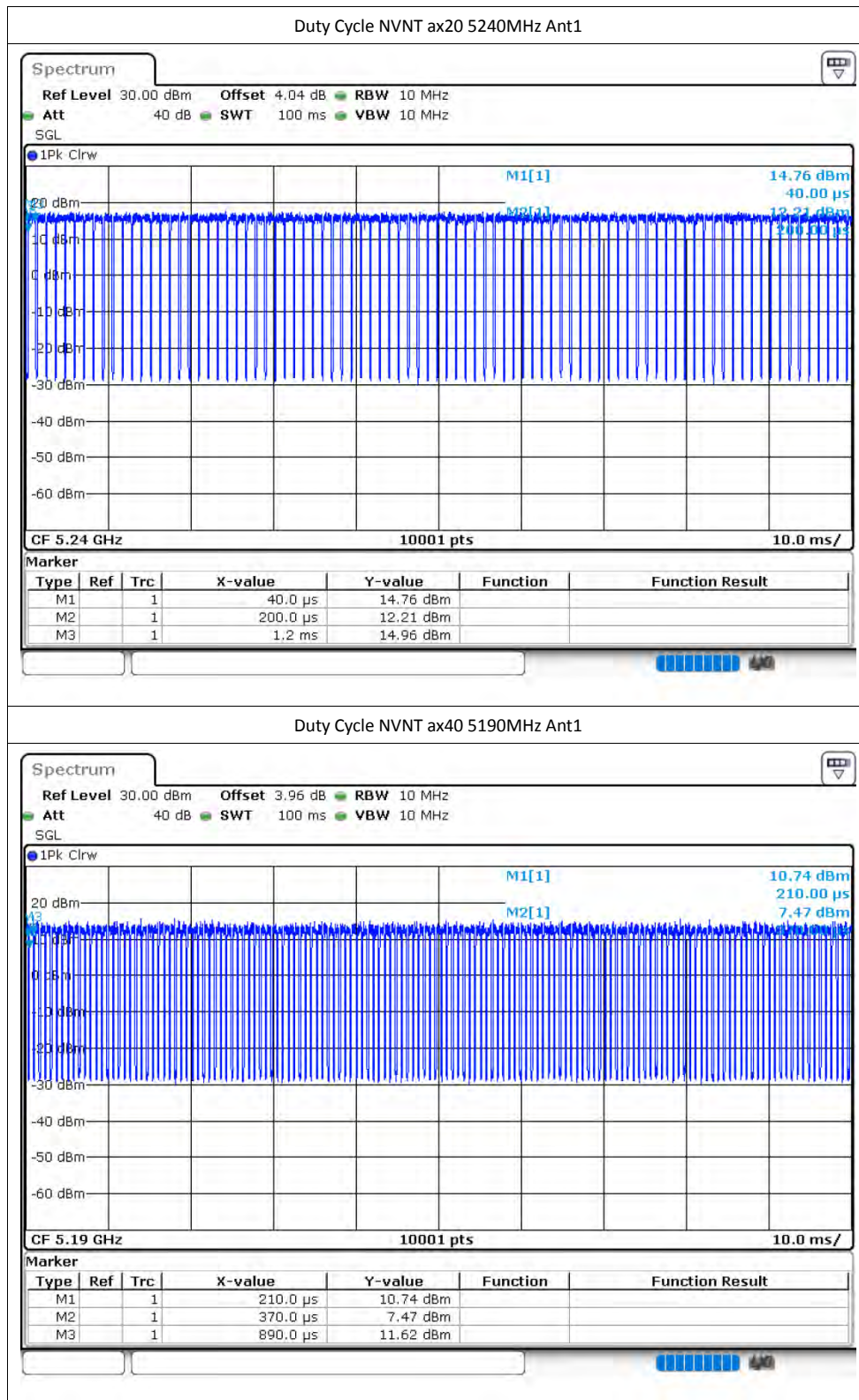
Duty Cycle NVNT ac40 5230MHz Ant1

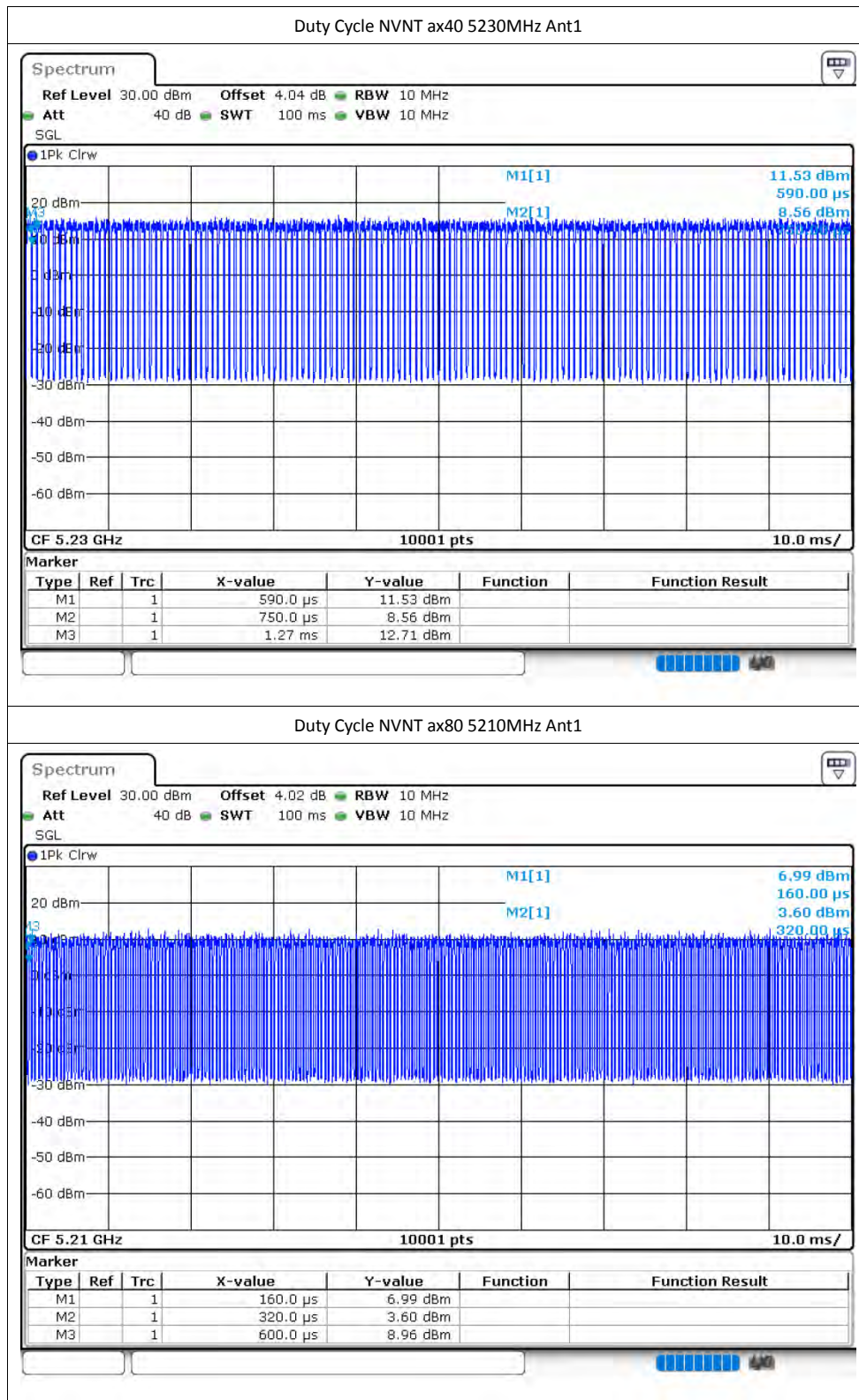


Duty Cycle NVNT ac80 5210MHz Ant1









Maximum Conducted Output Power

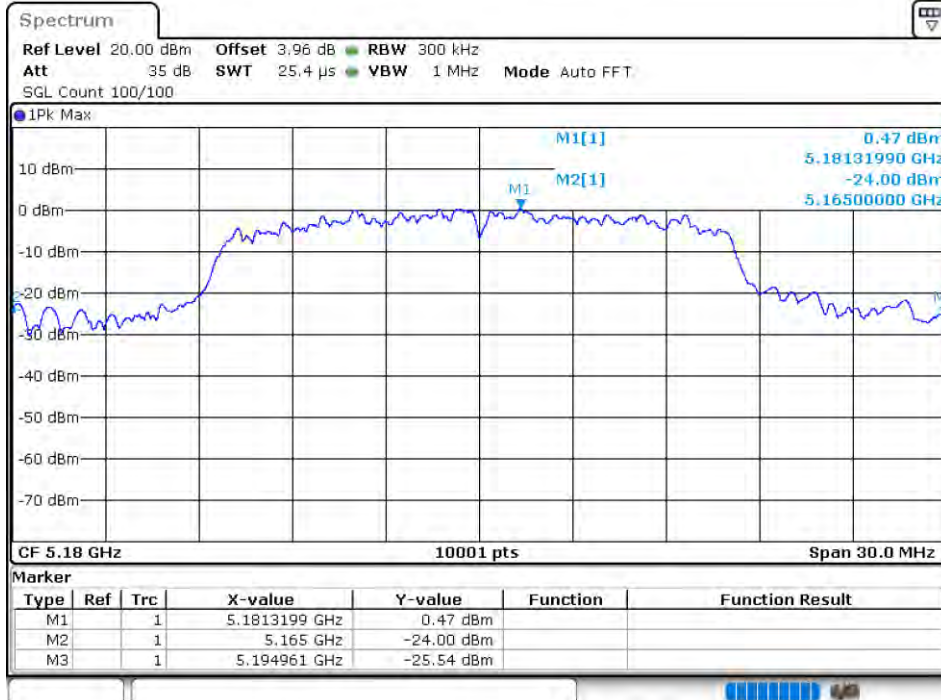
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.55	0.46	11.01	24	Pass
NVNT	a	5200	Ant1	10.55	0.46	11.01	24	Pass
NVNT	a	5240	Ant1	10.69	0.46	11.15	24	Pass
NVNT	n20	5180	Ant1	9.78	0.48	10.26	24	Pass
NVNT	n20	5200	Ant1	10.3	0.49	10.79	24	Pass
NVNT	n20	5240	Ant1	10.48	0.49	10.97	24	Pass
NVNT	n40	5190	Ant1	9.98	0.92	10.9	24	Pass
NVNT	n40	5230	Ant1	10.15	0.92	11.07	24	Pass
NVNT	ac20	5180	Ant1	9.71	0.49	10.2	24	Pass
NVNT	ac20	5200	Ant1	10.34	0.48	10.82	24	Pass
NVNT	ac20	5240	Ant1	10.51	0.48	10.99	24	Pass
NVNT	ac40	5190	Ant1	10.06	0.91	10.97	24	Pass
NVNT	ac40	5230	Ant1	10.16	0.91	11.07	24	Pass
NVNT	ac80	5210	Ant1	8.53	1.64	10.17	24	Pass
NVNT	ax20	5180	Ant1	11.15	0.62	11.77	24	Pass
NVNT	ax20	5200	Ant1	11.42	0.61	12.03	24	Pass
NVNT	ax20	5240	Ant1	11.56	0.61	12.17	24	Pass
NVNT	ax40	5190	Ant1	10.98	1.11	12.09	24	Pass
NVNT	ax40	5230	Ant1	11.35	1.07	12.42	24	Pass
NVNT	ax80	5210	Ant1	10.27	1.81	12.08	24	Pass

-26dB Bandwidth

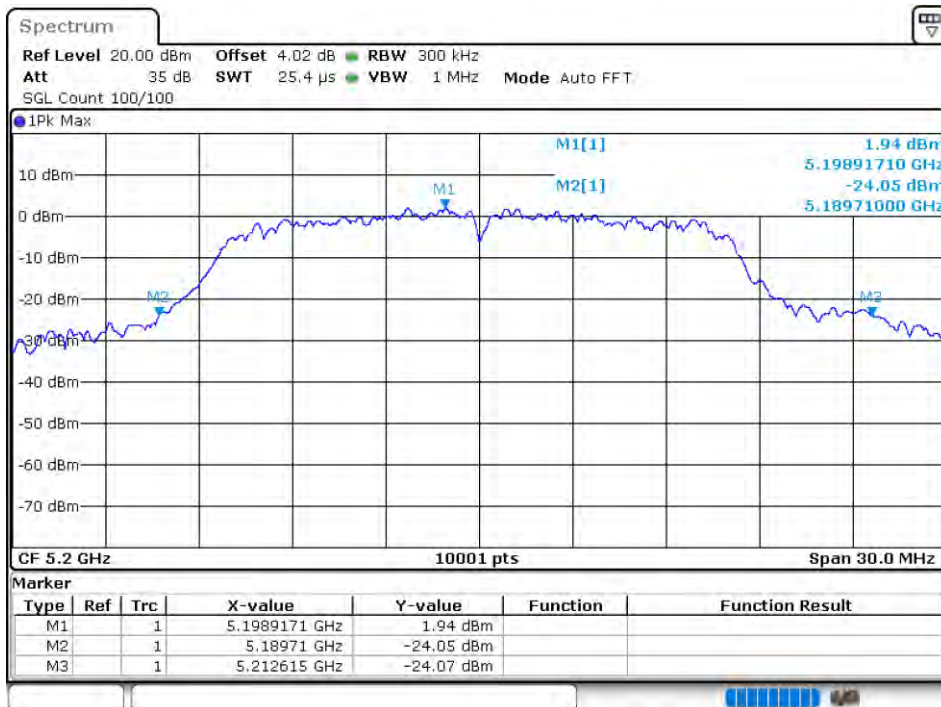
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	29.961	Pass
NVNT	a	5200	Ant1	22.905	Pass
NVNT	a	5240	Ant1	20.247	Pass
NVNT	n20	5180	Ant1	20.556	Pass
NVNT	n20	5200	Ant1	22.308	Pass
NVNT	n20	5240	Ant1	20.694	Pass
NVNT	n40	5190	Ant1	56.094	Pass
NVNT	n40	5230	Ant1	53.454	Pass
NVNT	ac20	5180	Ant1	24.783	Pass
NVNT	ac20	5200	Ant1	24.891	Pass
NVNT	ac20	5240	Ant1	20.511	Pass
NVNT	ac40	5190	Ant1	51.906	Pass
NVNT	ac40	5230	Ant1	57.996	Pass
NVNT	ac80	5210	Ant1	110.844	Pass
NVNT	ax20	5180	Ant1	19.815	Pass
NVNT	ax20	5200	Ant1	19.764	Pass
NVNT	ax20	5240	Ant1	19.902	Pass
NVNT	ax40	5190	Ant1	39.798	Pass
NVNT	ax40	5230	Ant1	44.232	Pass
NVNT	ax80	5210	Ant1	85.02	Pass

Test Graphs

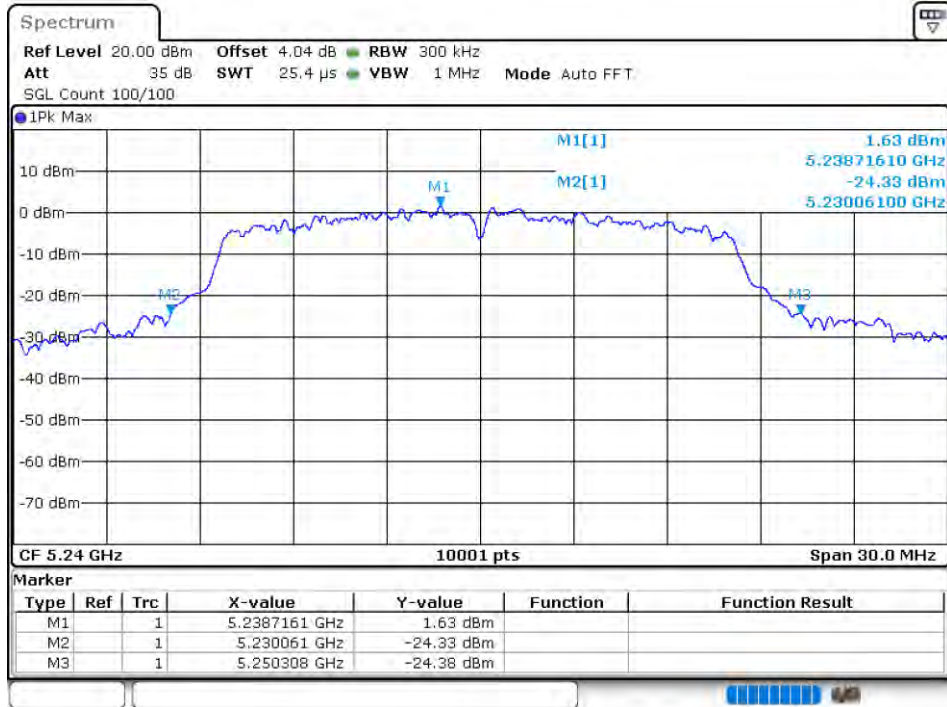
-26dB Bandwidth NVNT a 5180MHz Ant1



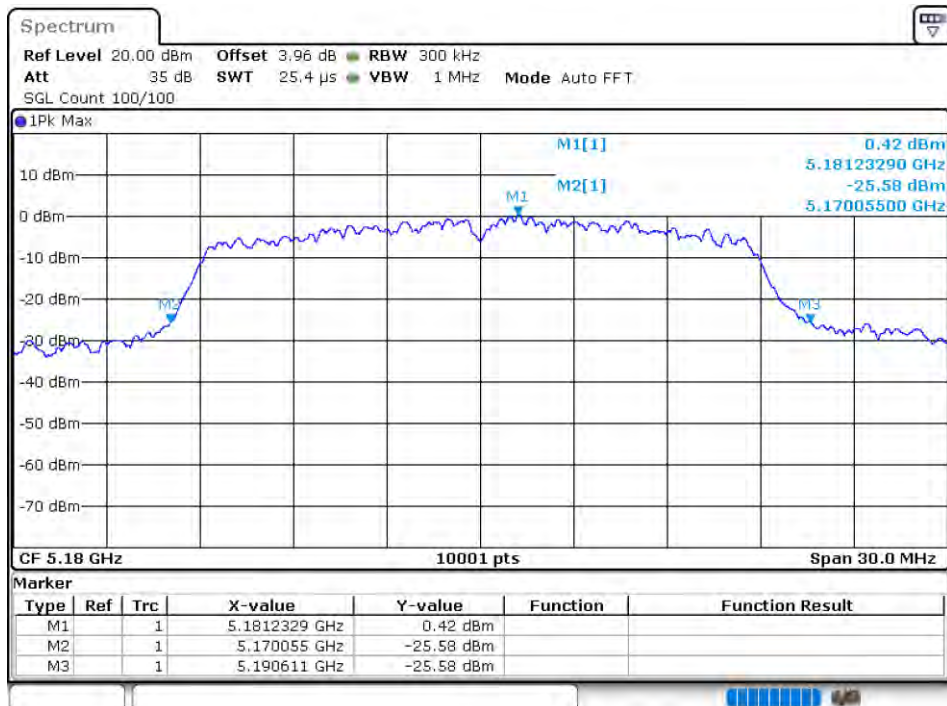
-26dB Bandwidth NVNT a 5200MHz Ant1

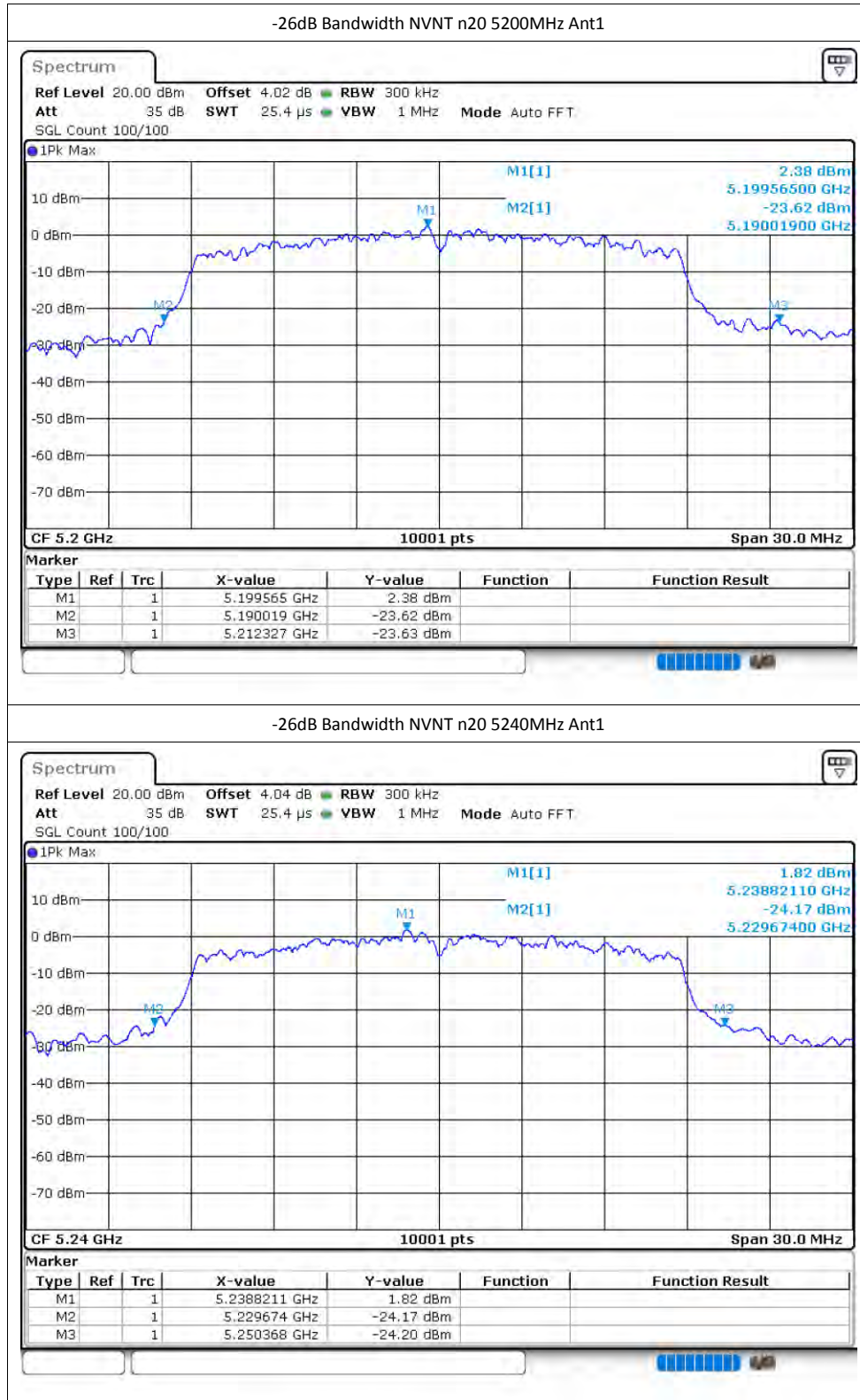


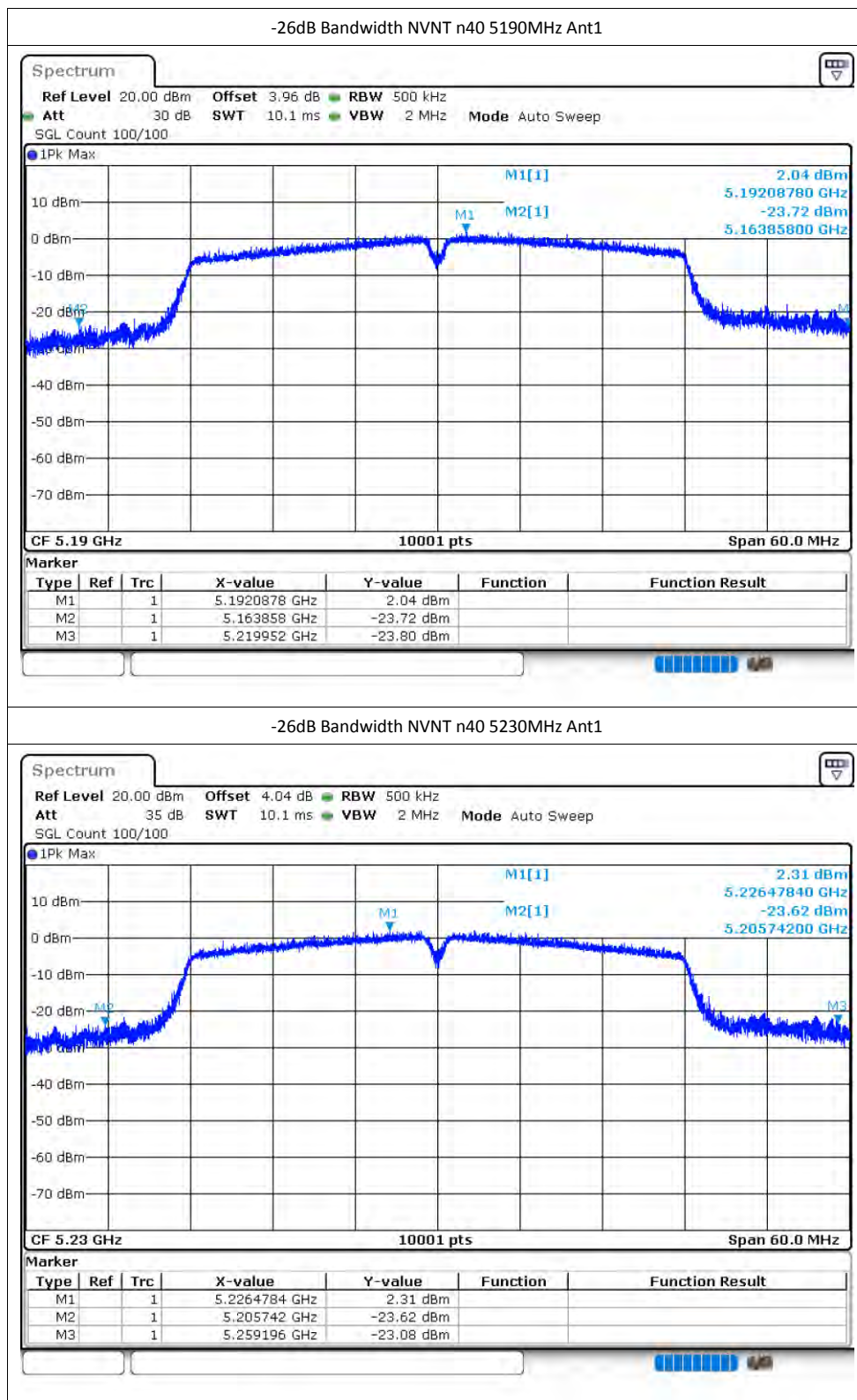
-26dB Bandwidth NVNT a 5240MHz Ant1

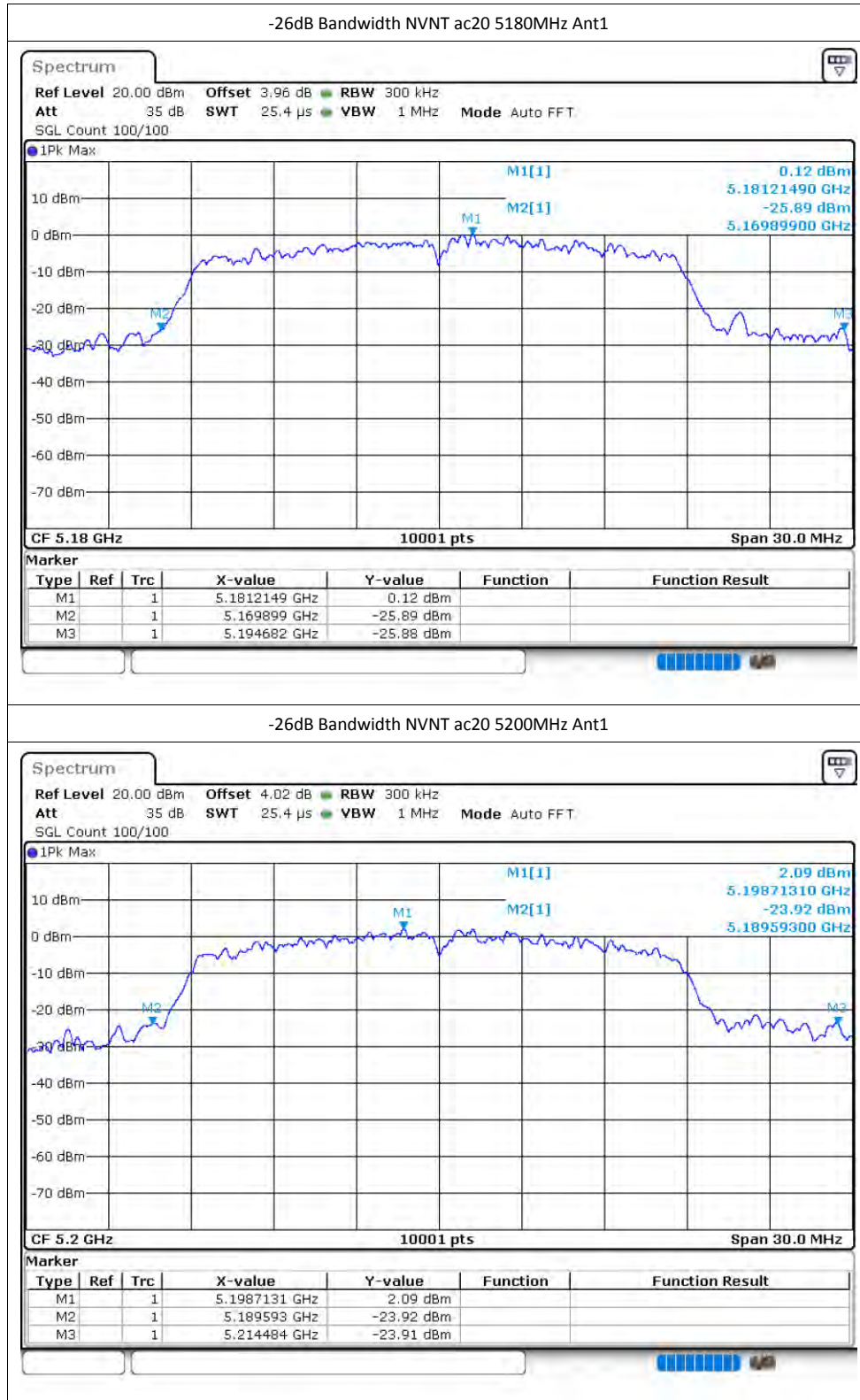


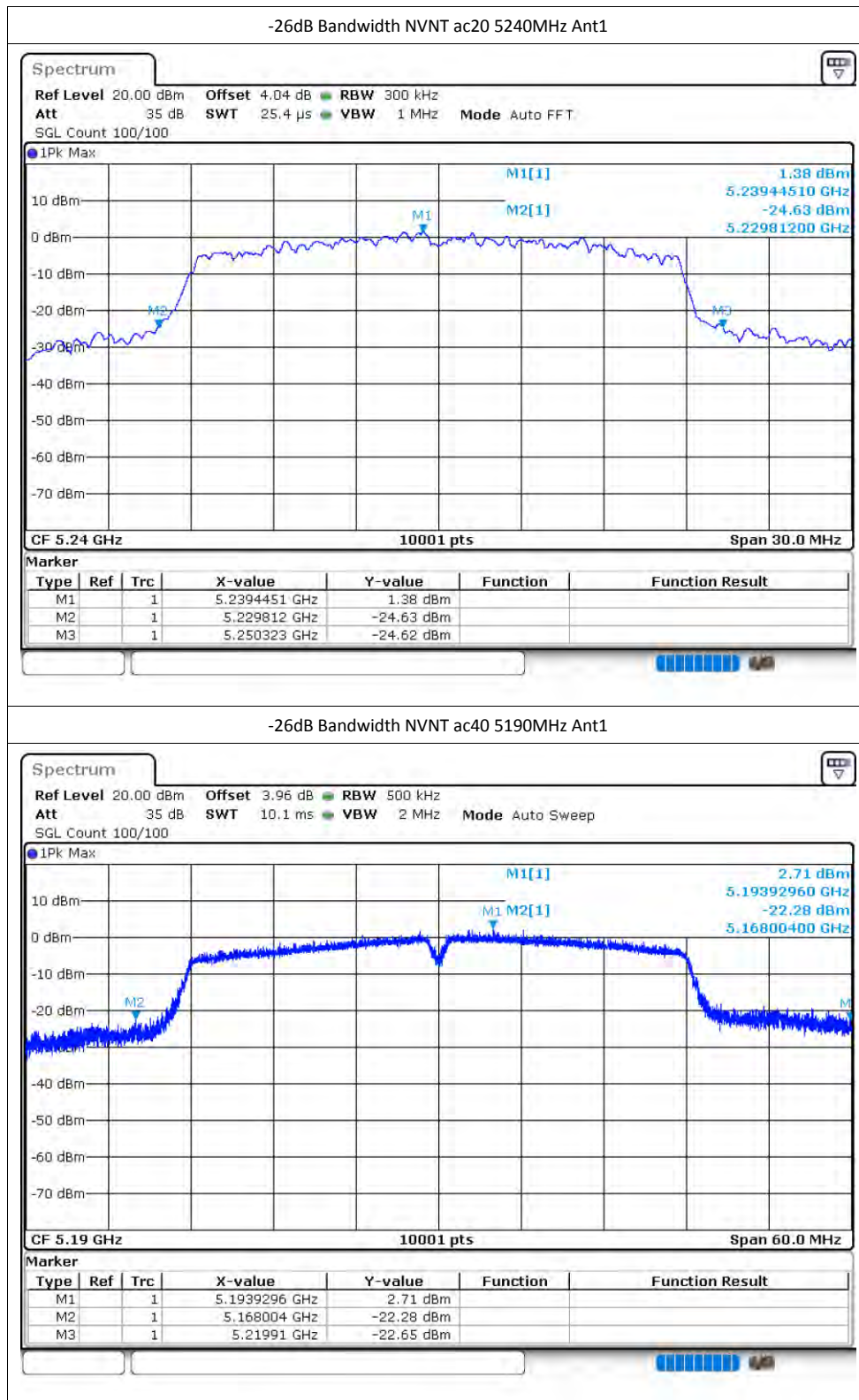
-26dB Bandwidth NVNT n20 5180MHz Ant1

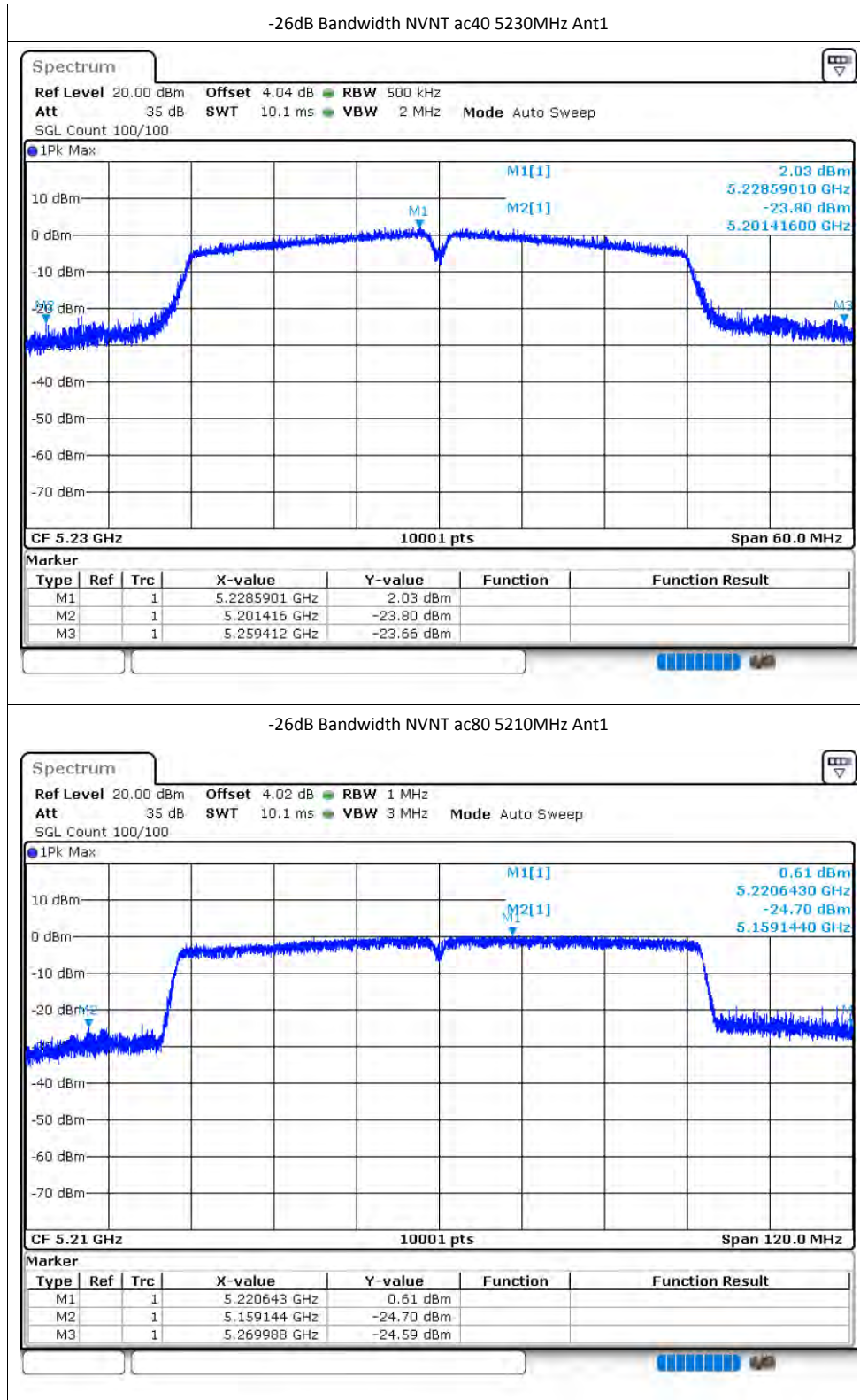


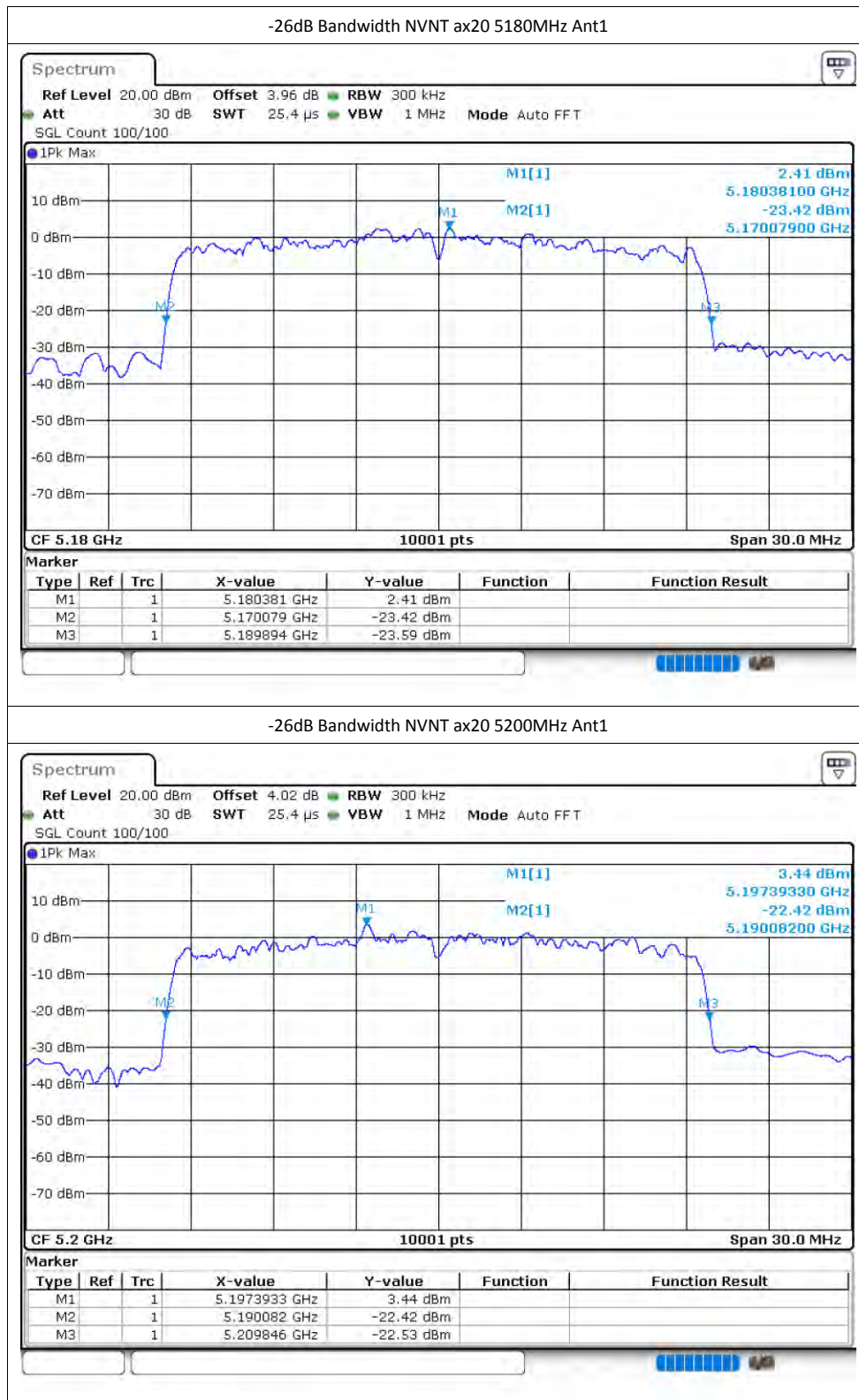




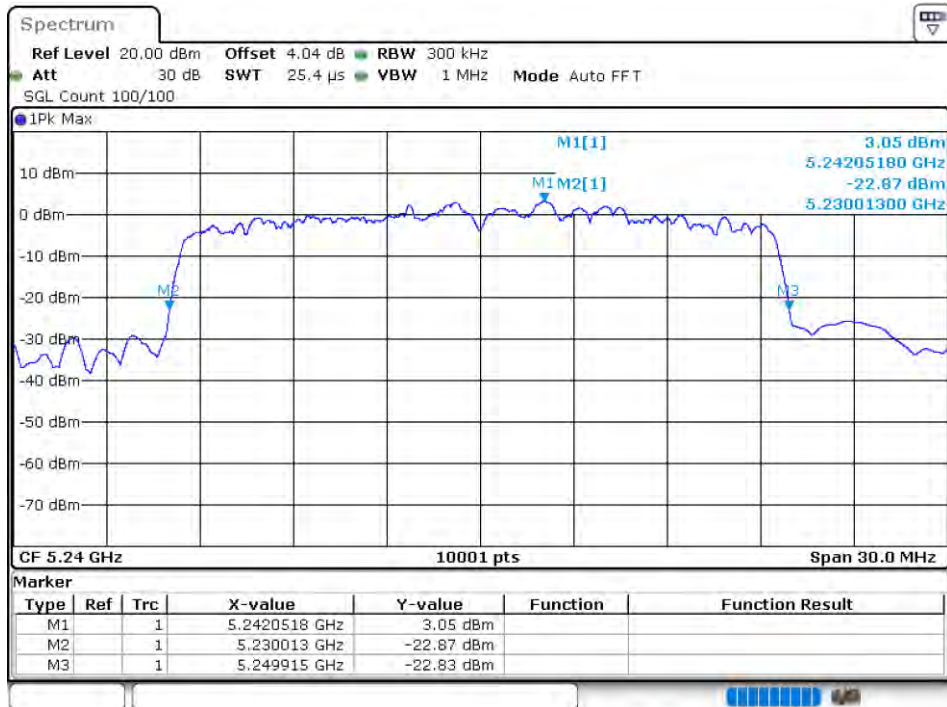




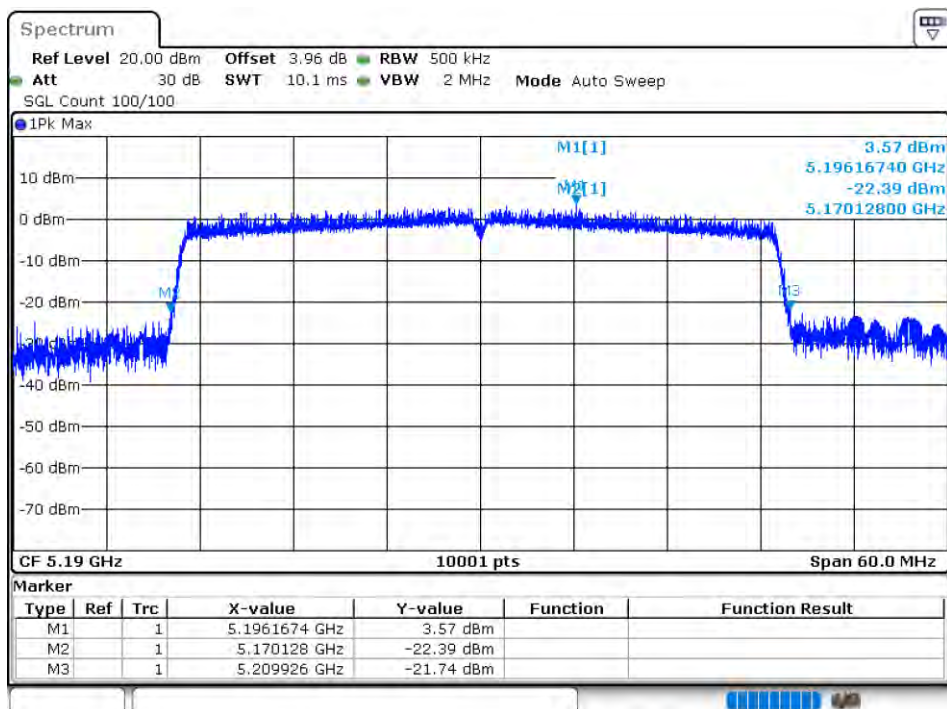


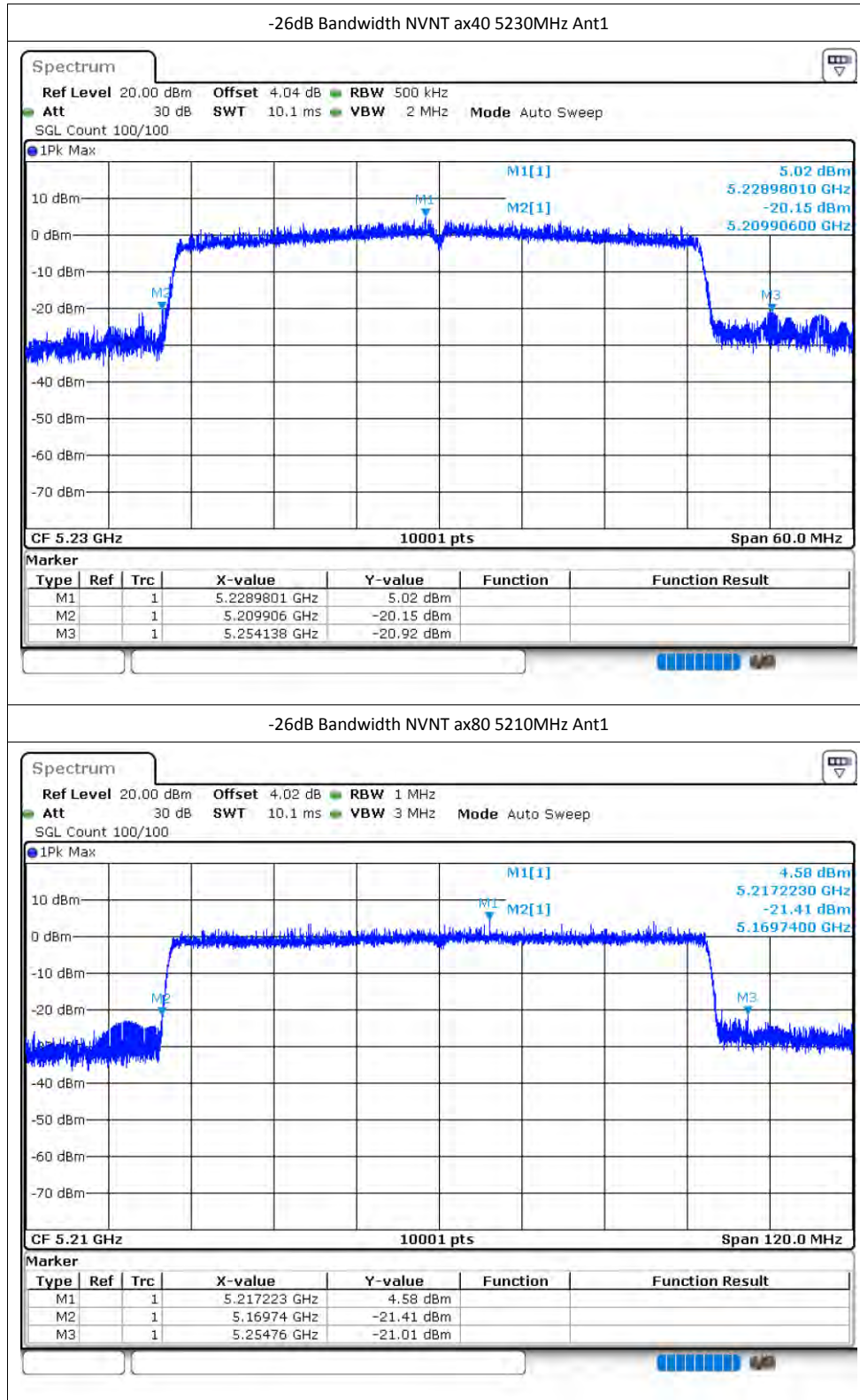


-26dB Bandwidth NVNT ax20 5240MHz Ant1



-26dB Bandwidth NVNT ax40 5190MHz Ant1



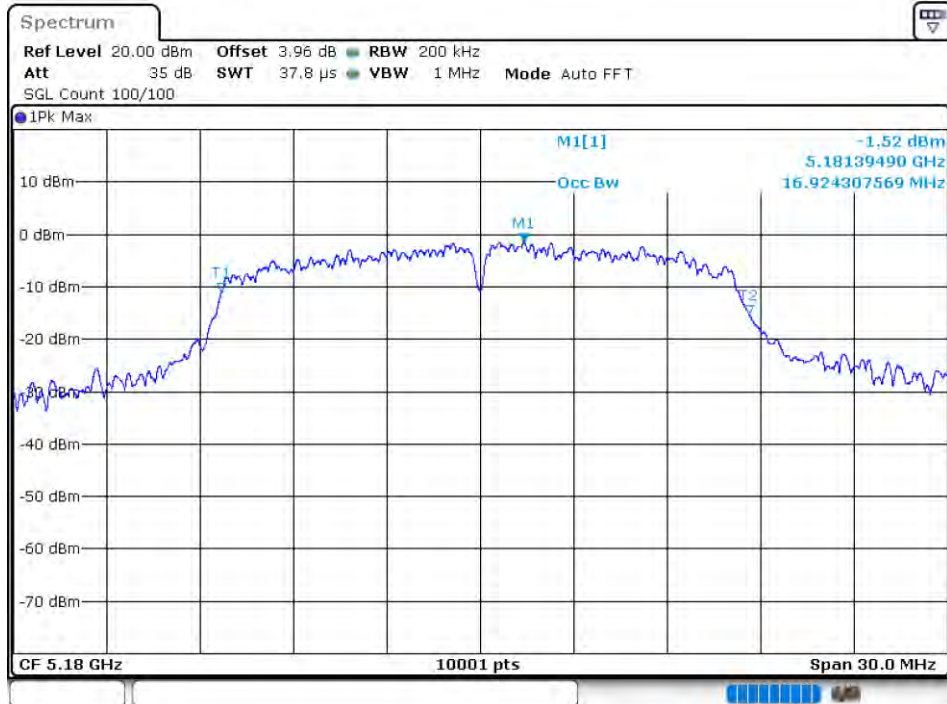


Occupied Channel Bandwidth

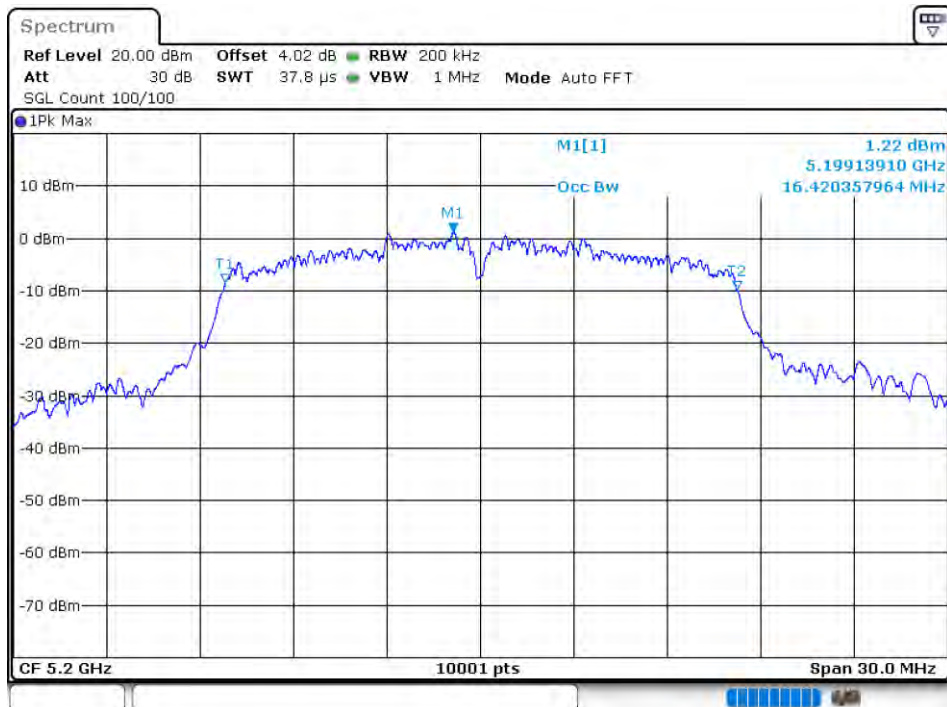
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.924
NVNT	a	5200	Ant1	16.42
NVNT	a	5240	Ant1	16.558
NVNT	n20	5180	Ant1	17.653
NVNT	n20	5200	Ant1	17.47
NVNT	n20	5240	Ant1	17.554
NVNT	n40	5190	Ant1	36.356
NVNT	n40	5230	Ant1	36.146
NVNT	ac20	5180	Ant1	17.629
NVNT	ac20	5200	Ant1	17.623
NVNT	ac20	5240	Ant1	17.524
NVNT	ac40	5190	Ant1	36.314
NVNT	ac40	5230	Ant1	36.056
NVNT	ac80	5210	Ant1	75.616
NVNT	ax20	5180	Ant1	18.739
NVNT	ax20	5200	Ant1	18.733
NVNT	ax20	5240	Ant1	18.799
NVNT	ax40	5190	Ant1	37.628
NVNT	ax40	5230	Ant1	37.616
NVNT	ax80	5210	Ant1	77.38

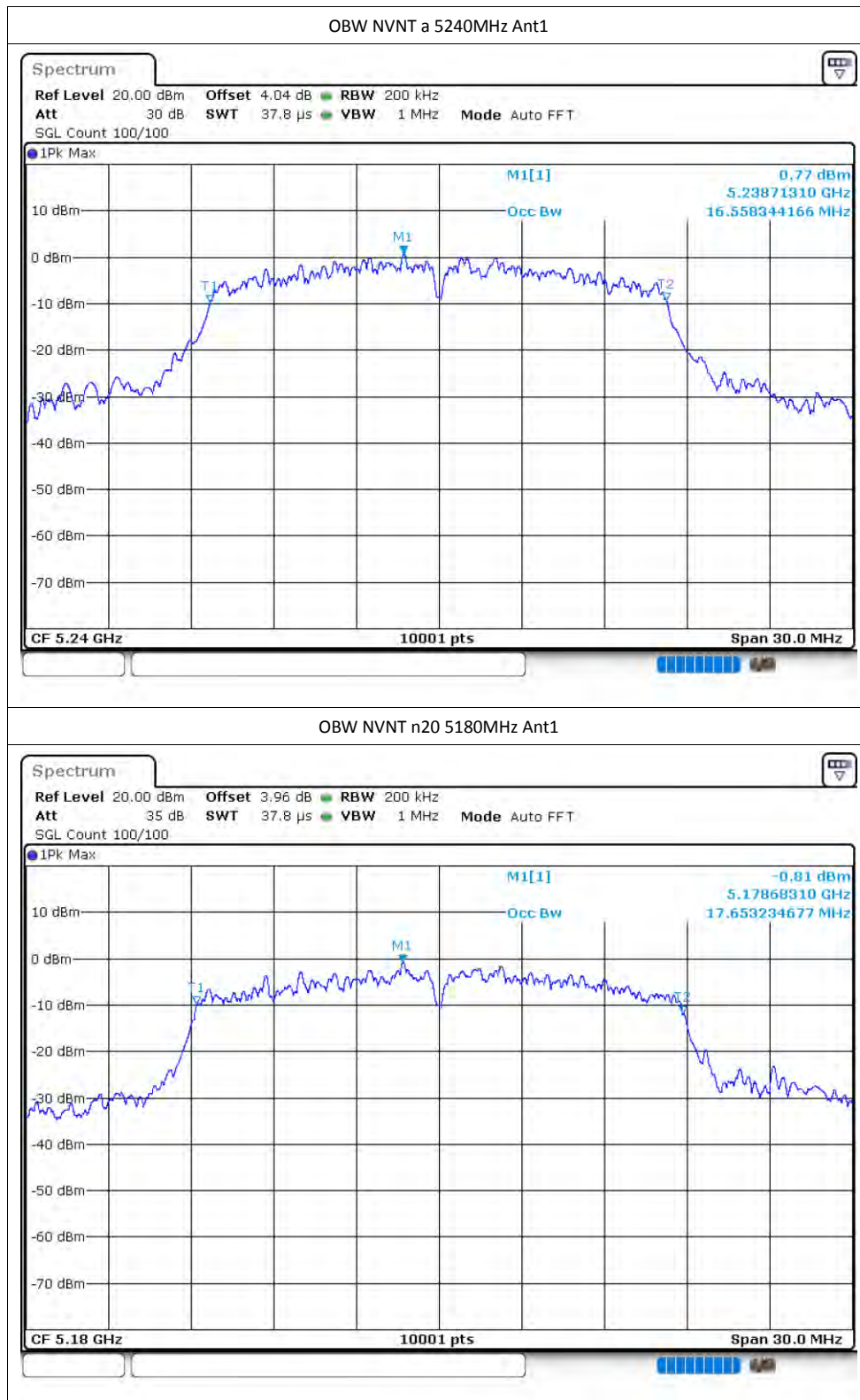
Test Graphs

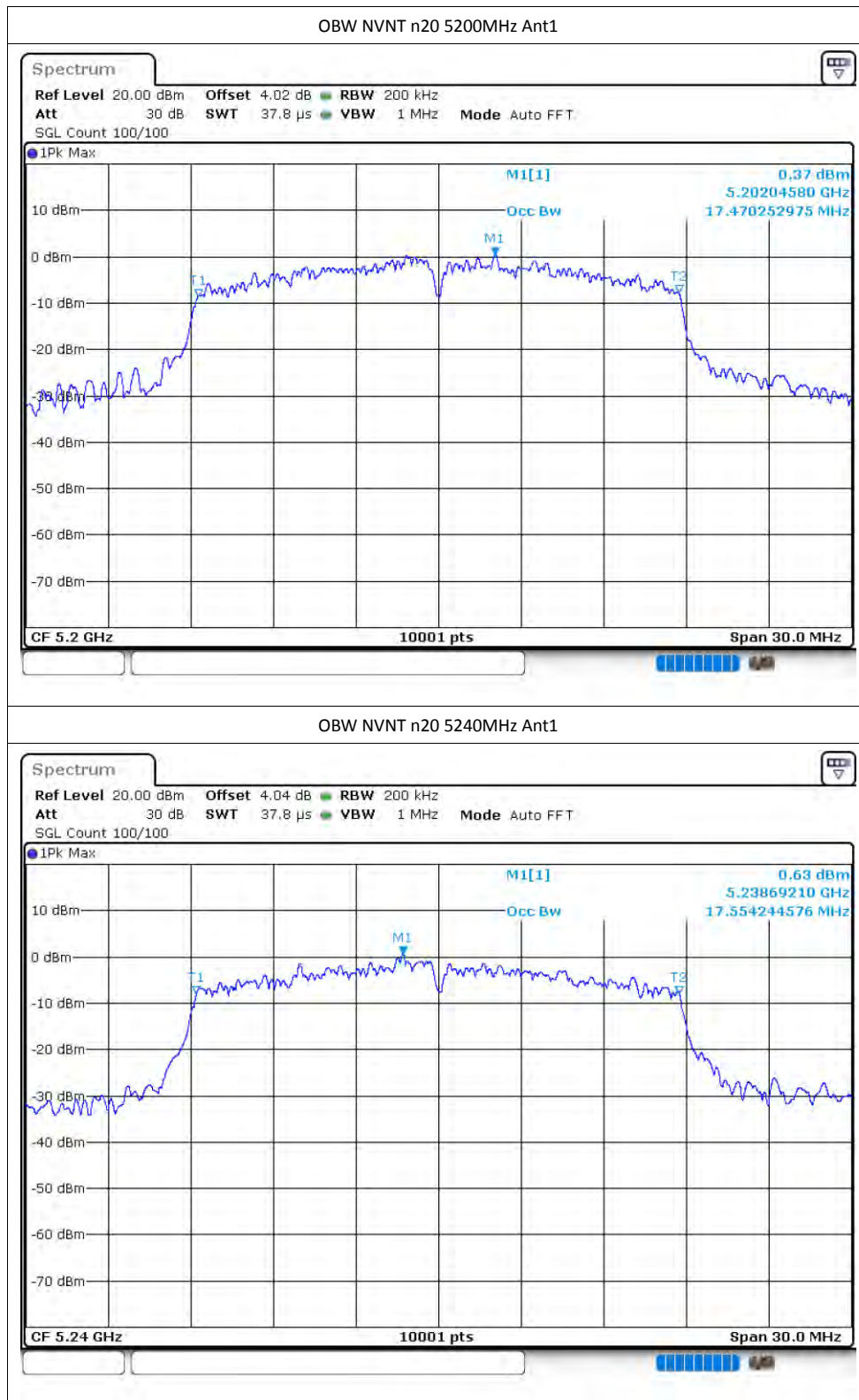
OBW NVNT a 5180MHz Ant1

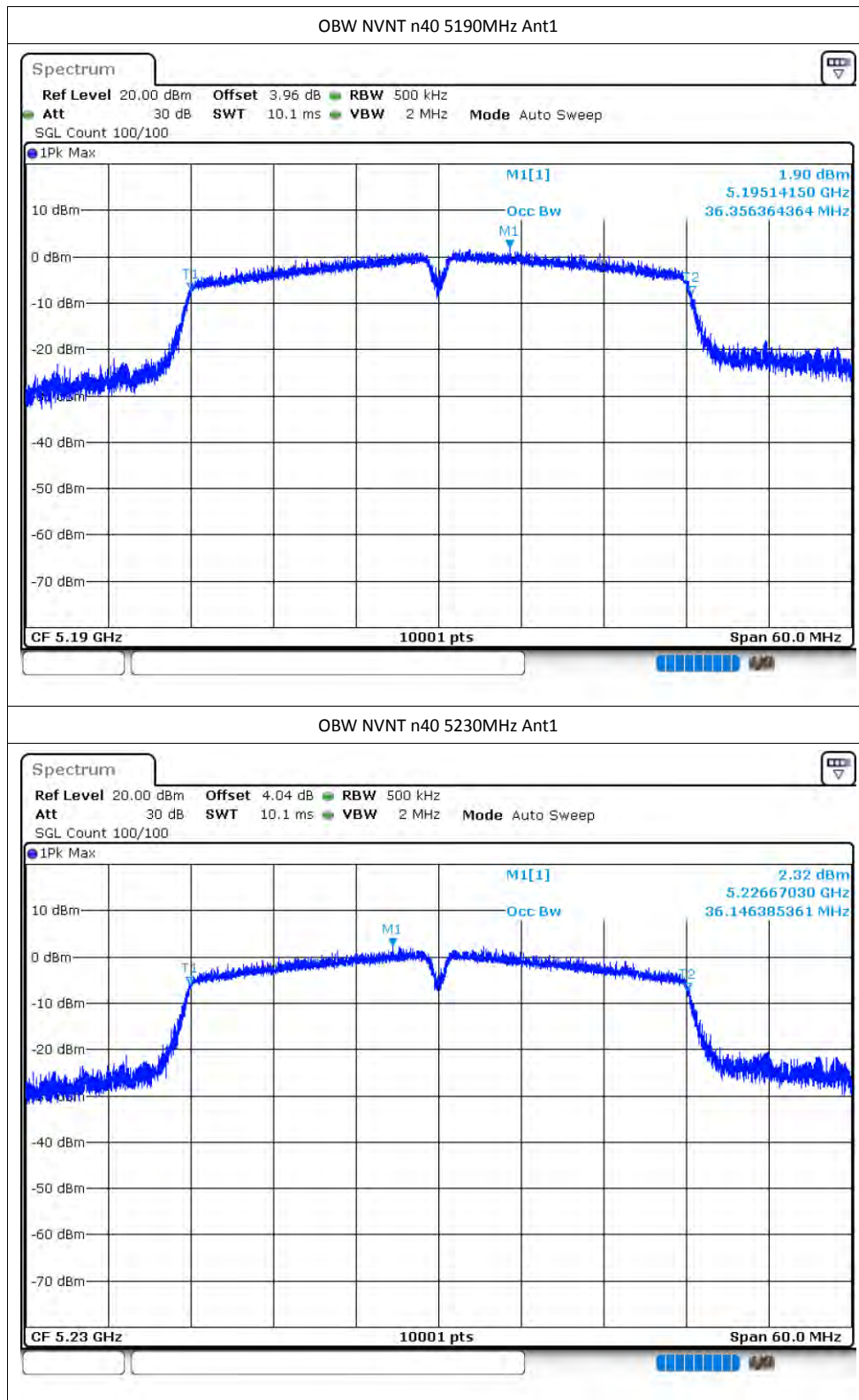


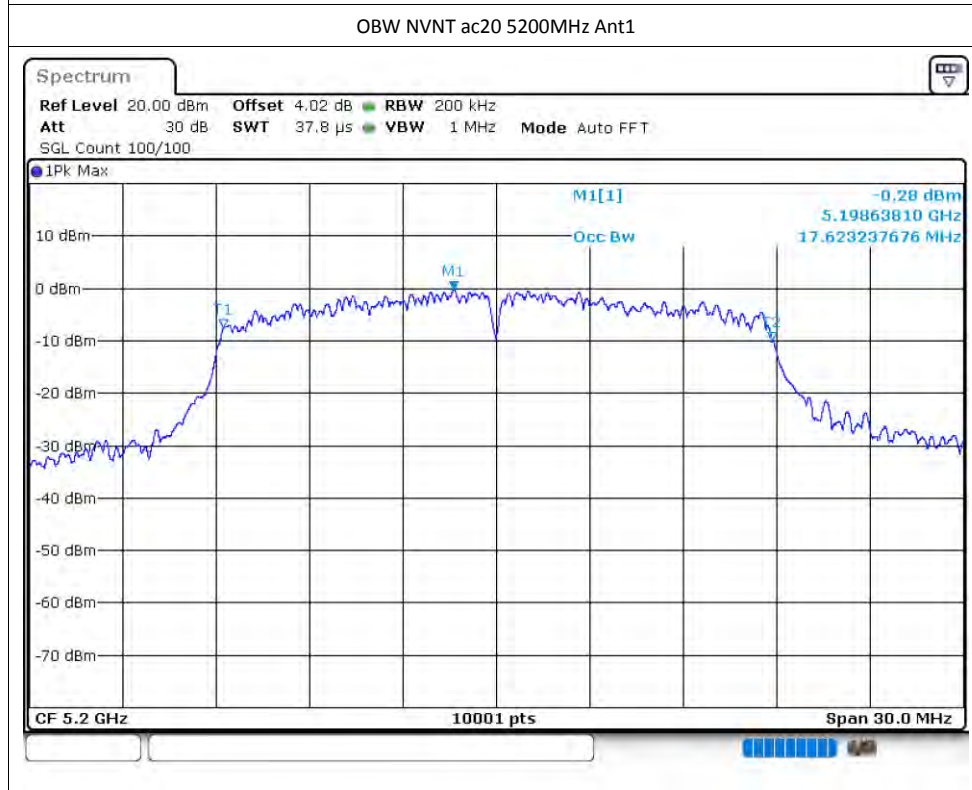
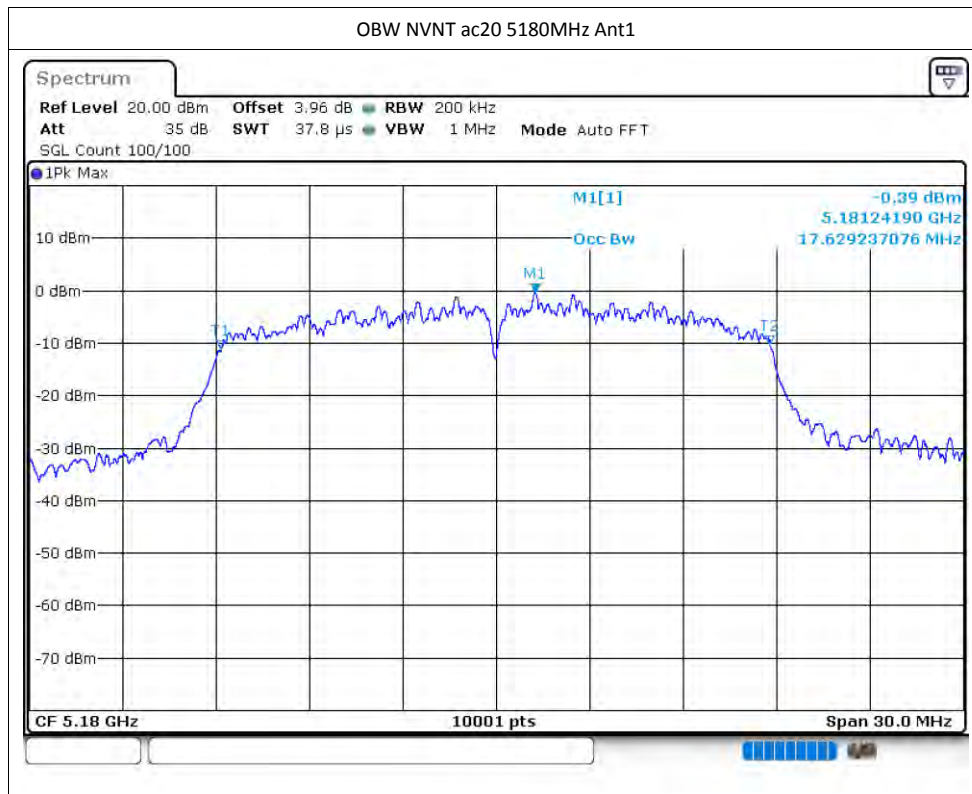
OBW NVNT a 5200MHz Ant1

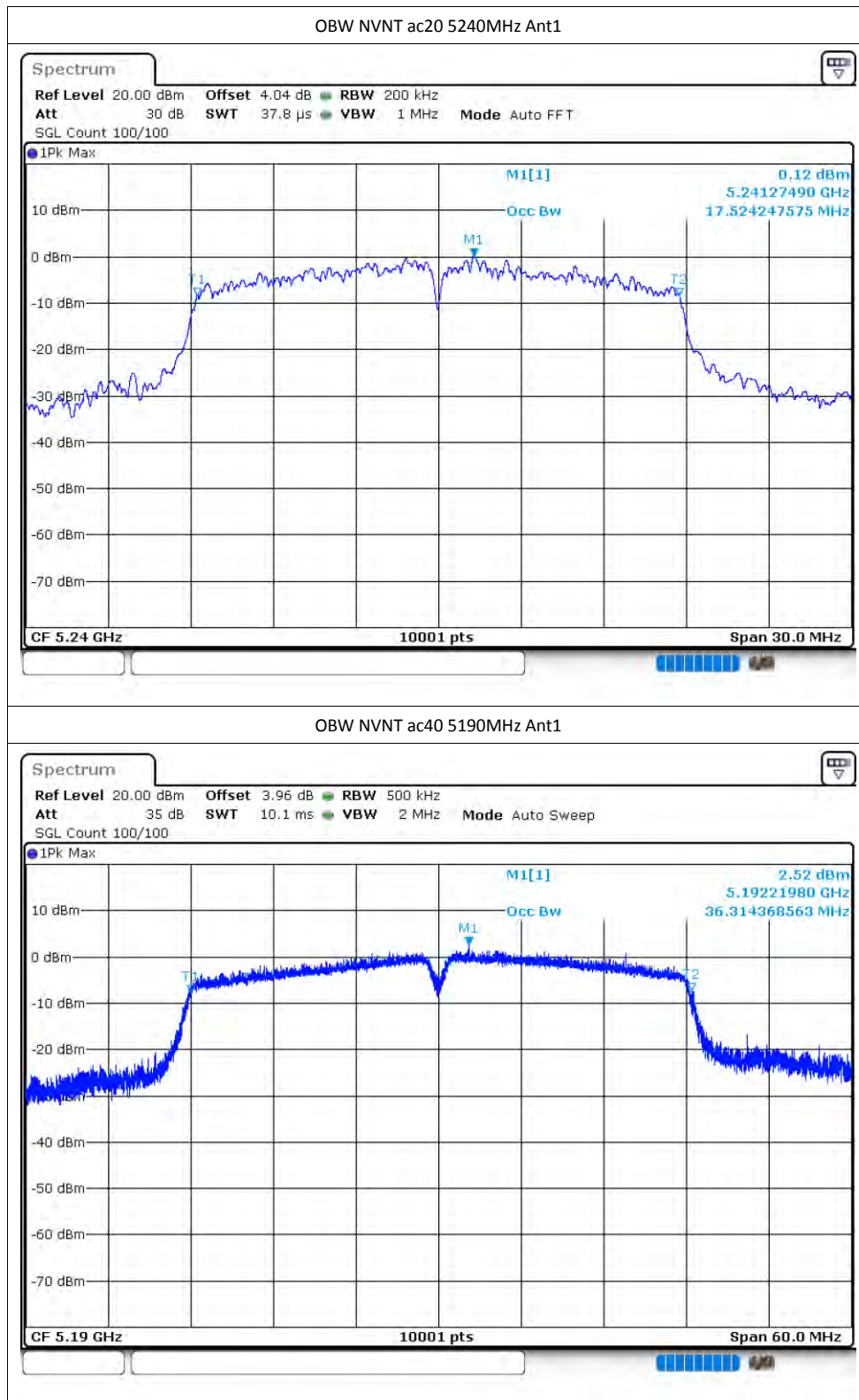


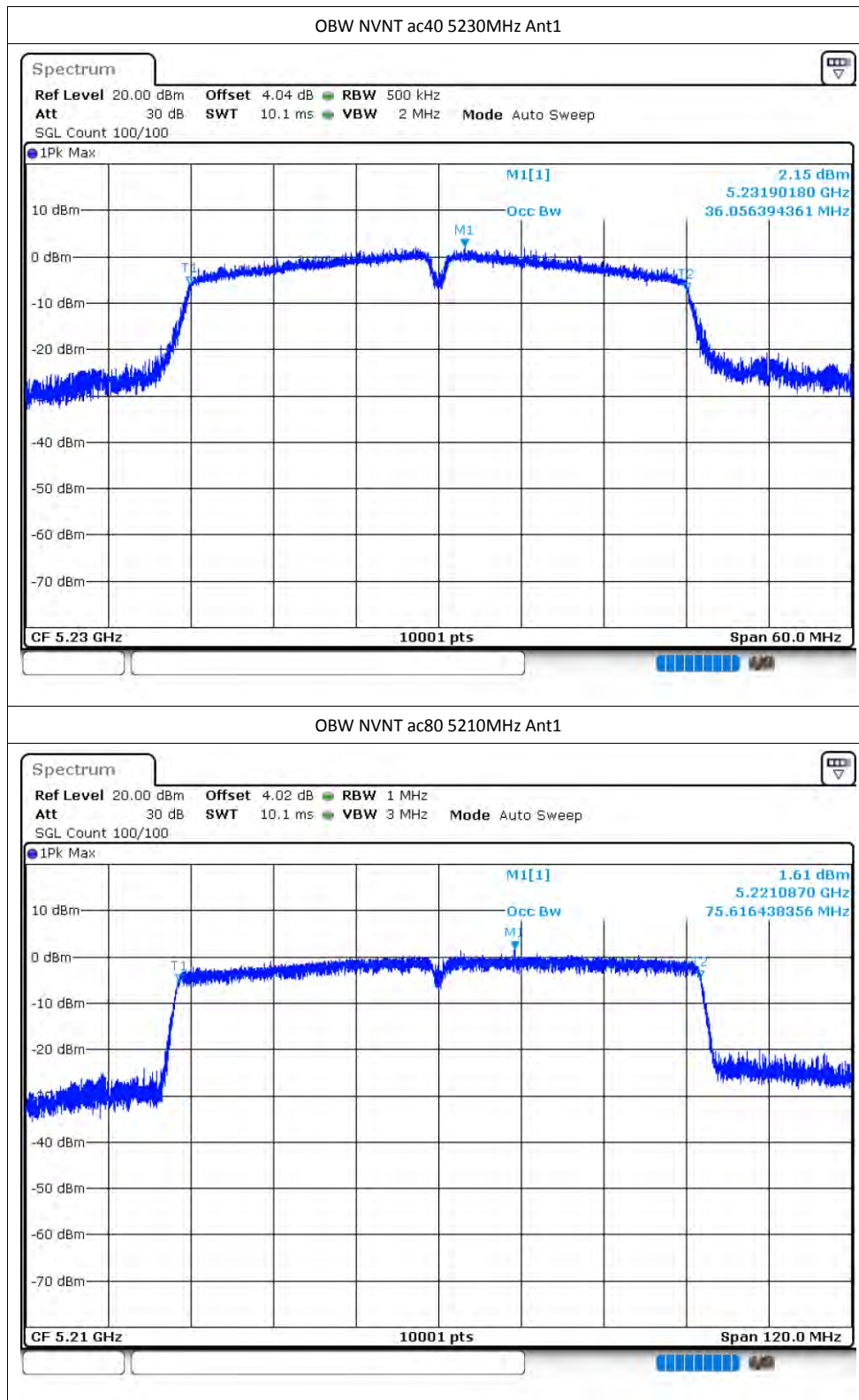


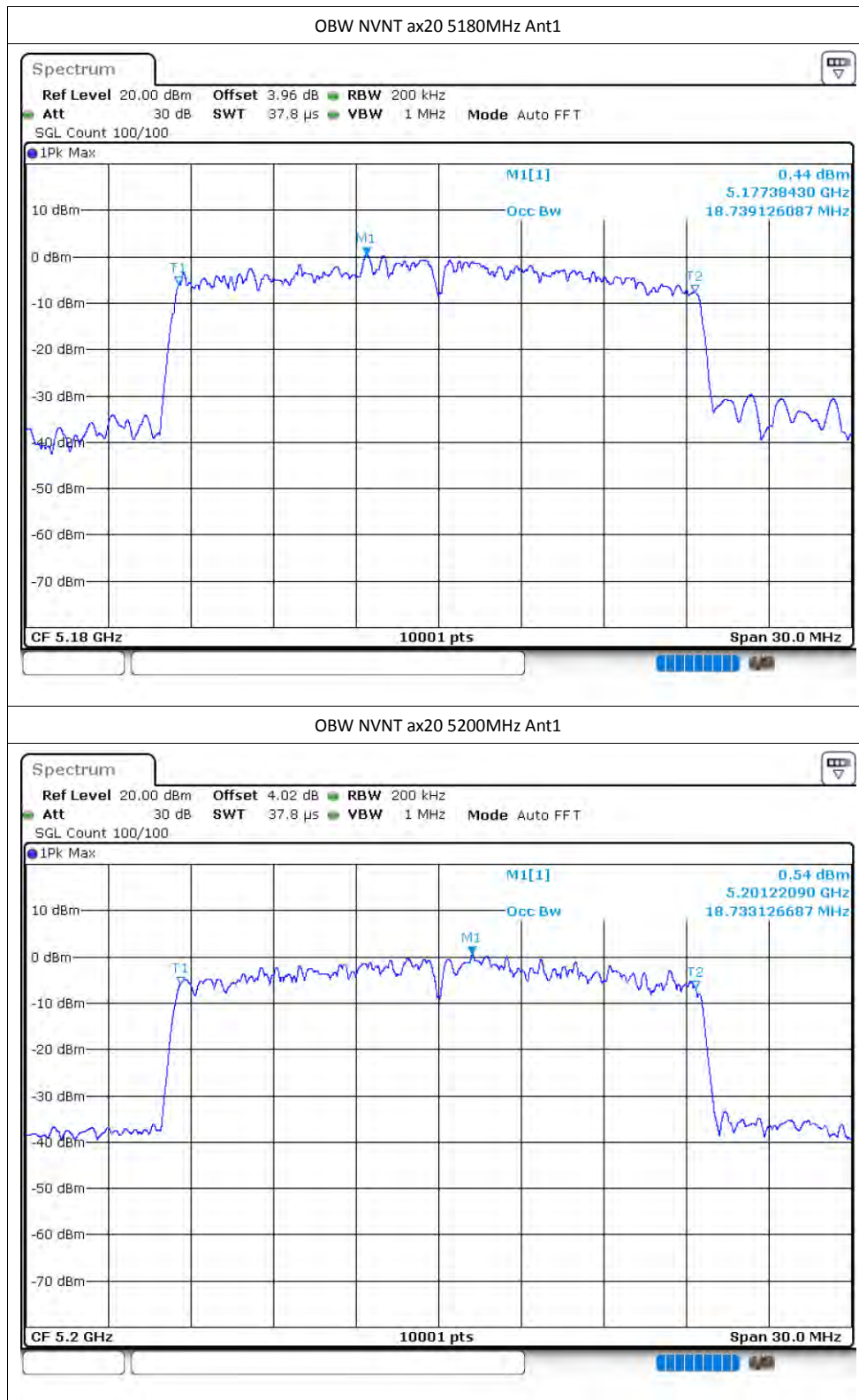


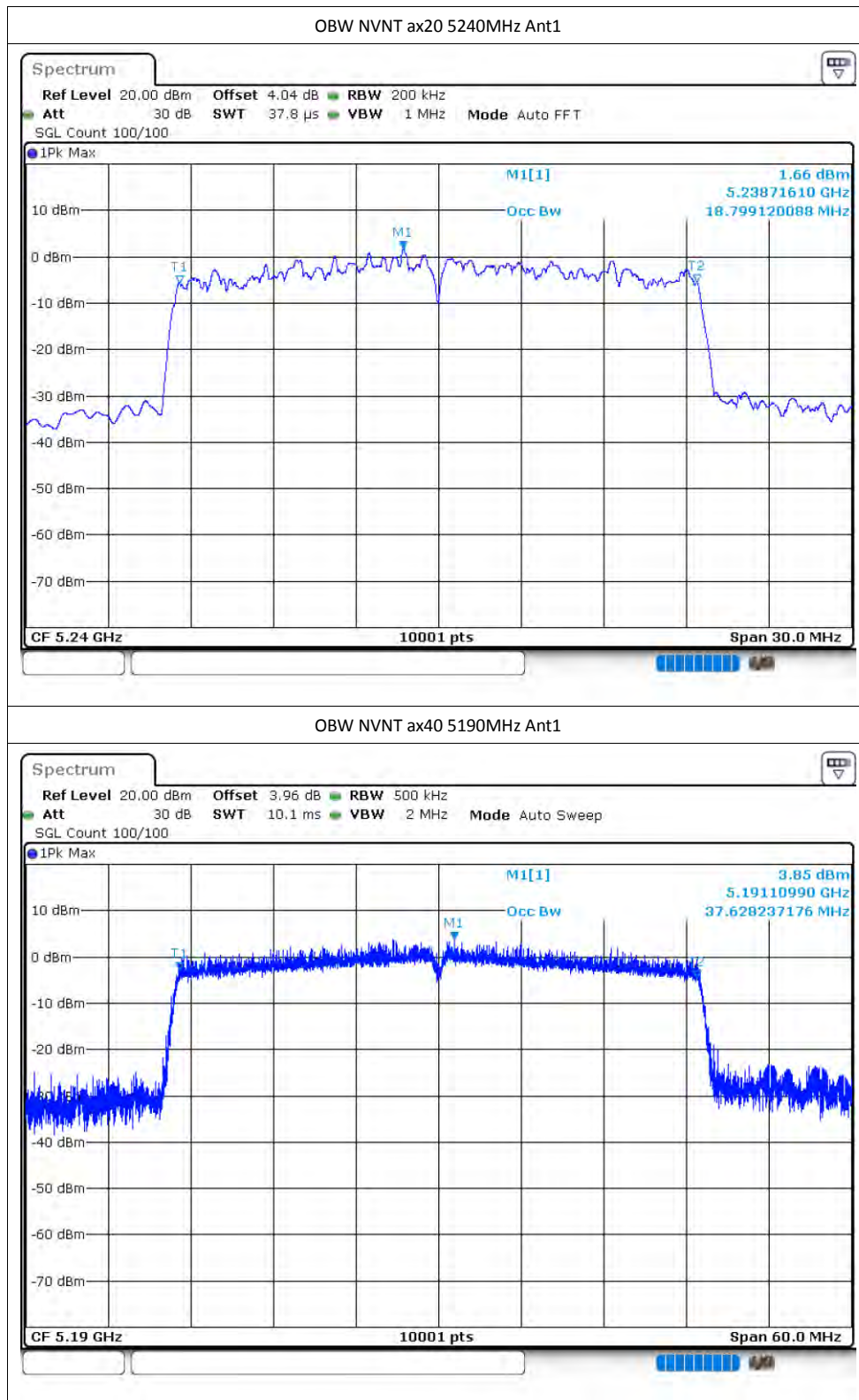


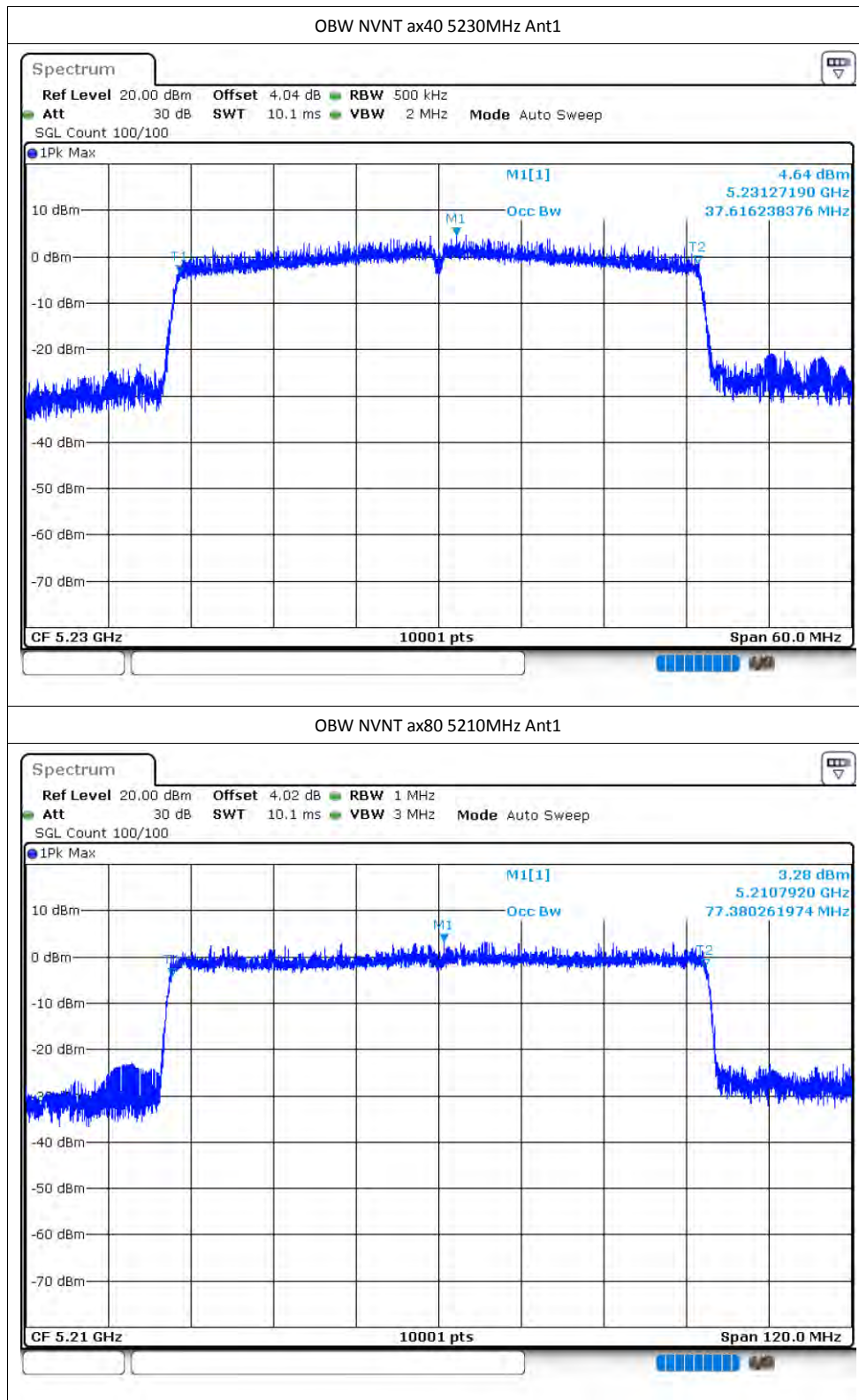












Maximum Power Spectral Density Level

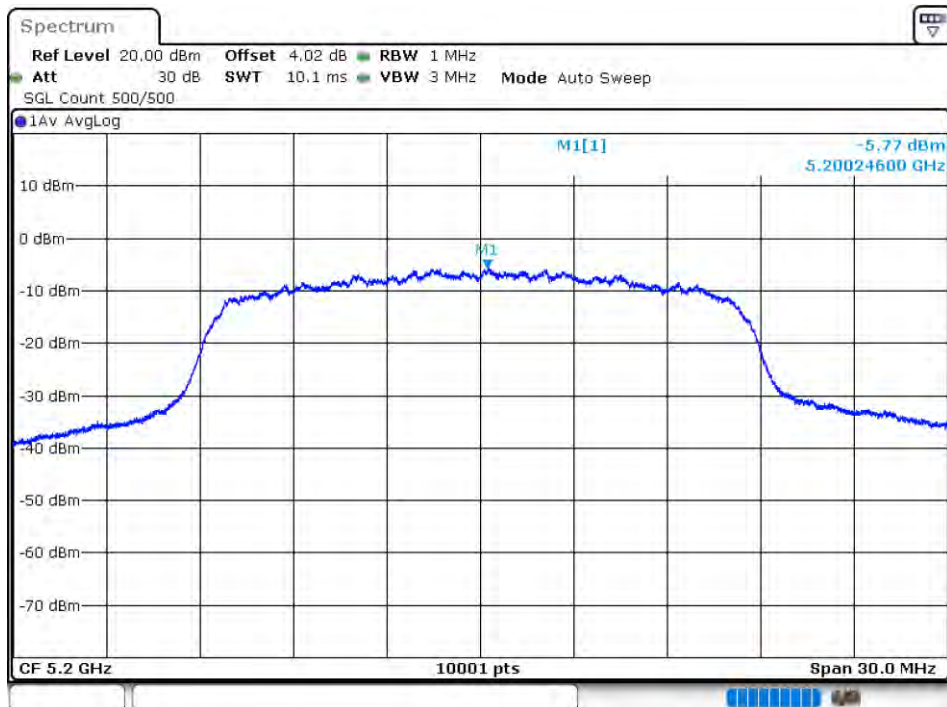
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-6.65	0.46	-6.19	11	Pass
NVNT	a	5200	Ant1	-5.77	0.46	-5.31	11	Pass
NVNT	a	5240	Ant1	-5.57	0.46	-5.11	11	Pass
NVNT	n20	5180	Ant1	-7.23	0.48	-6.75	11	Pass
NVNT	n20	5200	Ant1	-5.26	0.49	-4.77	11	Pass
NVNT	n20	5240	Ant1	-6.29	0.49	-5.8	11	Pass
NVNT	n40	5190	Ant1	-14.1	0.92	-13.18	11	Pass
NVNT	n40	5230	Ant1	-11.05	0.92	-10.13	11	Pass
NVNT	ac20	5180	Ant1	-8.04	0.49	-7.55	11	Pass
NVNT	ac20	5200	Ant1	-4.75	0.48	-4.27	11	Pass
NVNT	ac20	5240	Ant1	-5.03	0.48	-4.55	11	Pass
NVNT	ac40	5190	Ant1	-13.8	0.91	-12.89	11	Pass
NVNT	ac40	5230	Ant1	-13.39	0.91	-12.48	11	Pass
NVNT	ac80	5210	Ant1	-19.48	1.64	-17.84	11	Pass
NVNT	ax20	5180	Ant1	-8	0.62	-7.38	11	Pass
NVNT	ax20	5200	Ant1	-7.45	0.61	-6.84	11	Pass
NVNT	ax20	5240	Ant1	-4.96	0.61	-4.35	11	Pass
NVNT	ax40	5190	Ant1	-12.71	1.11	-11.6	11	Pass
NVNT	ax40	5230	Ant1	-15.36	1.07	-14.29	11	Pass
NVNT	ax80	5210	Ant1	-15.93	1.81	-14.12	11	Pass

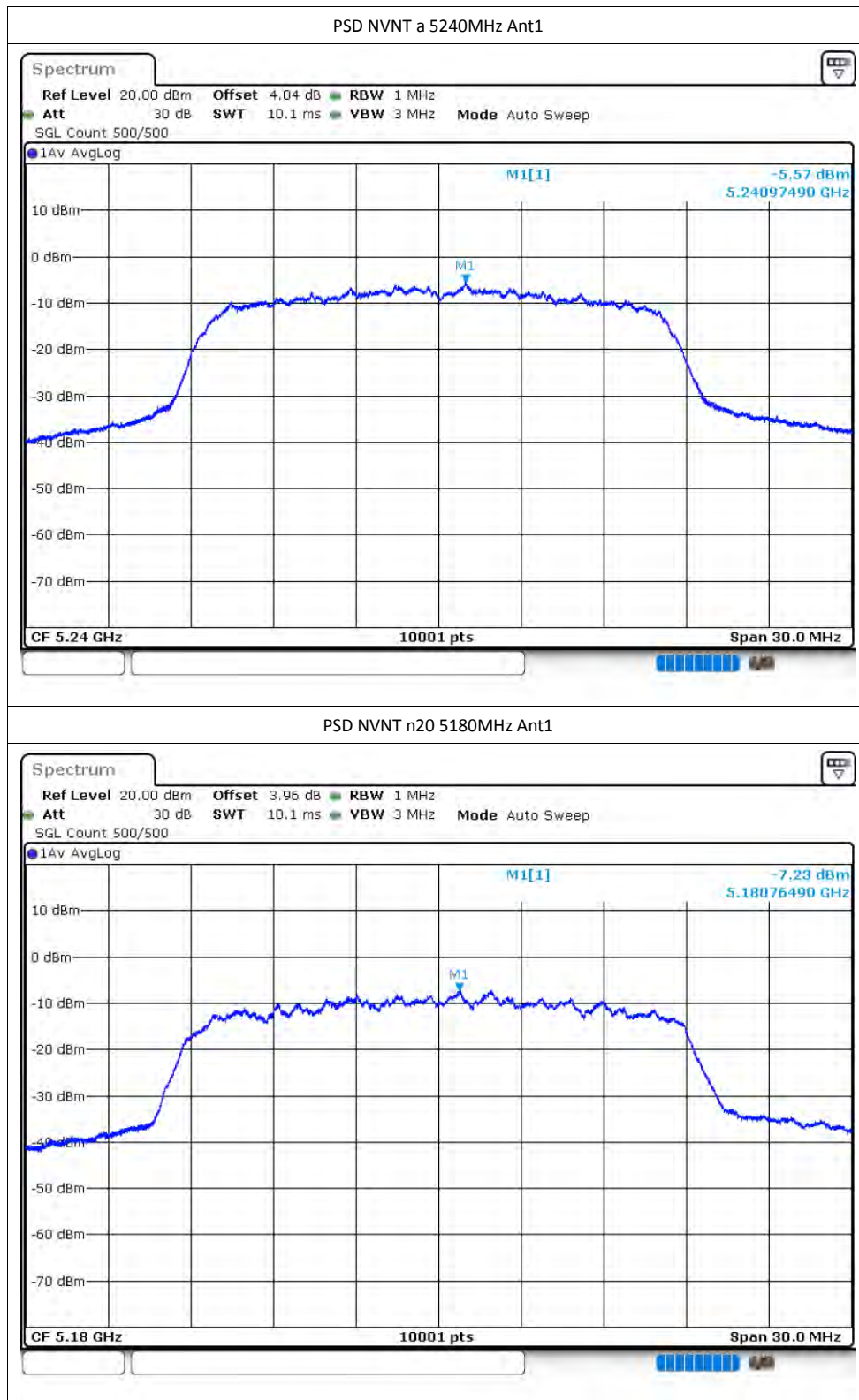
Test Graphs

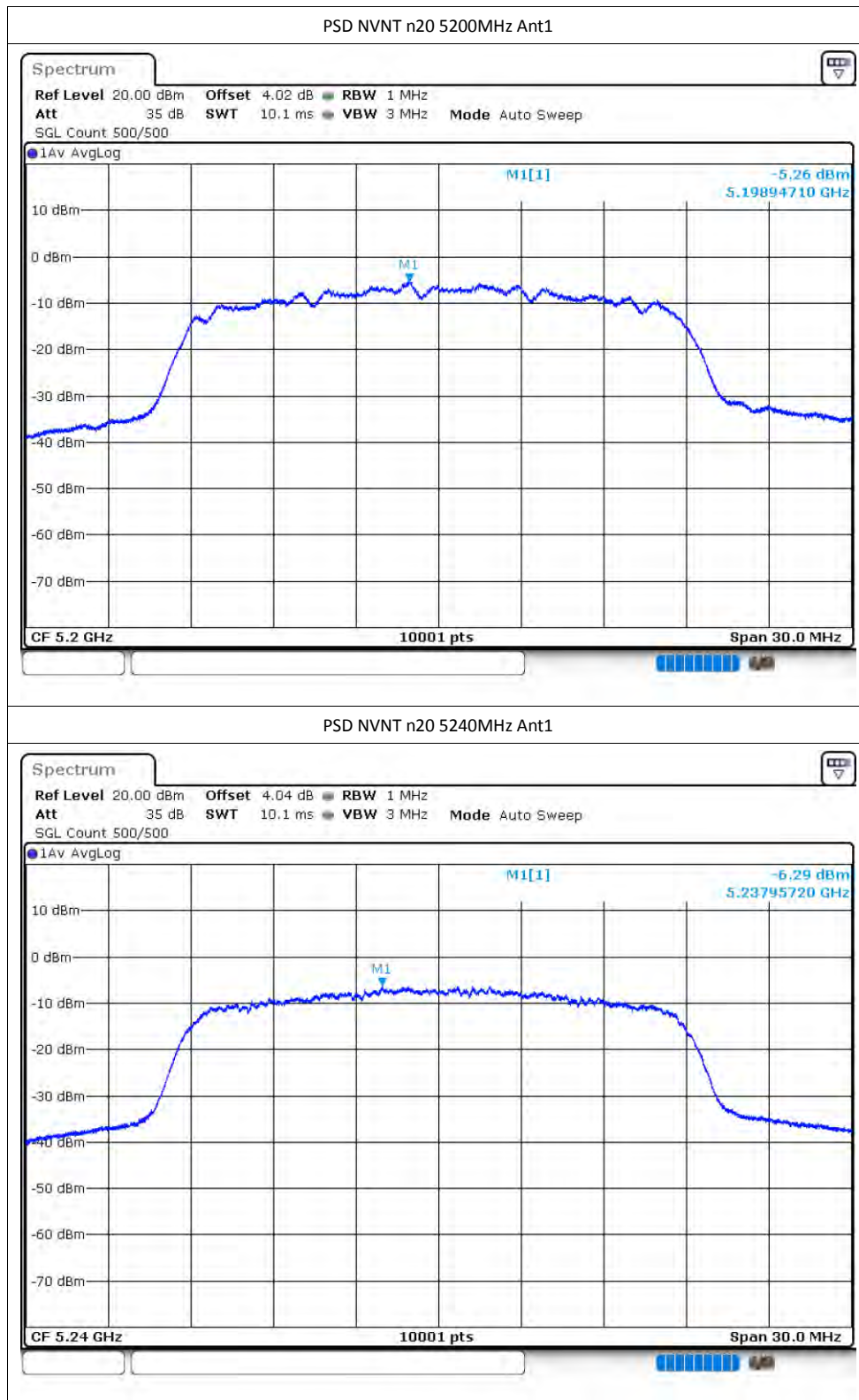
PSD NVNT a 5180MHz Ant1

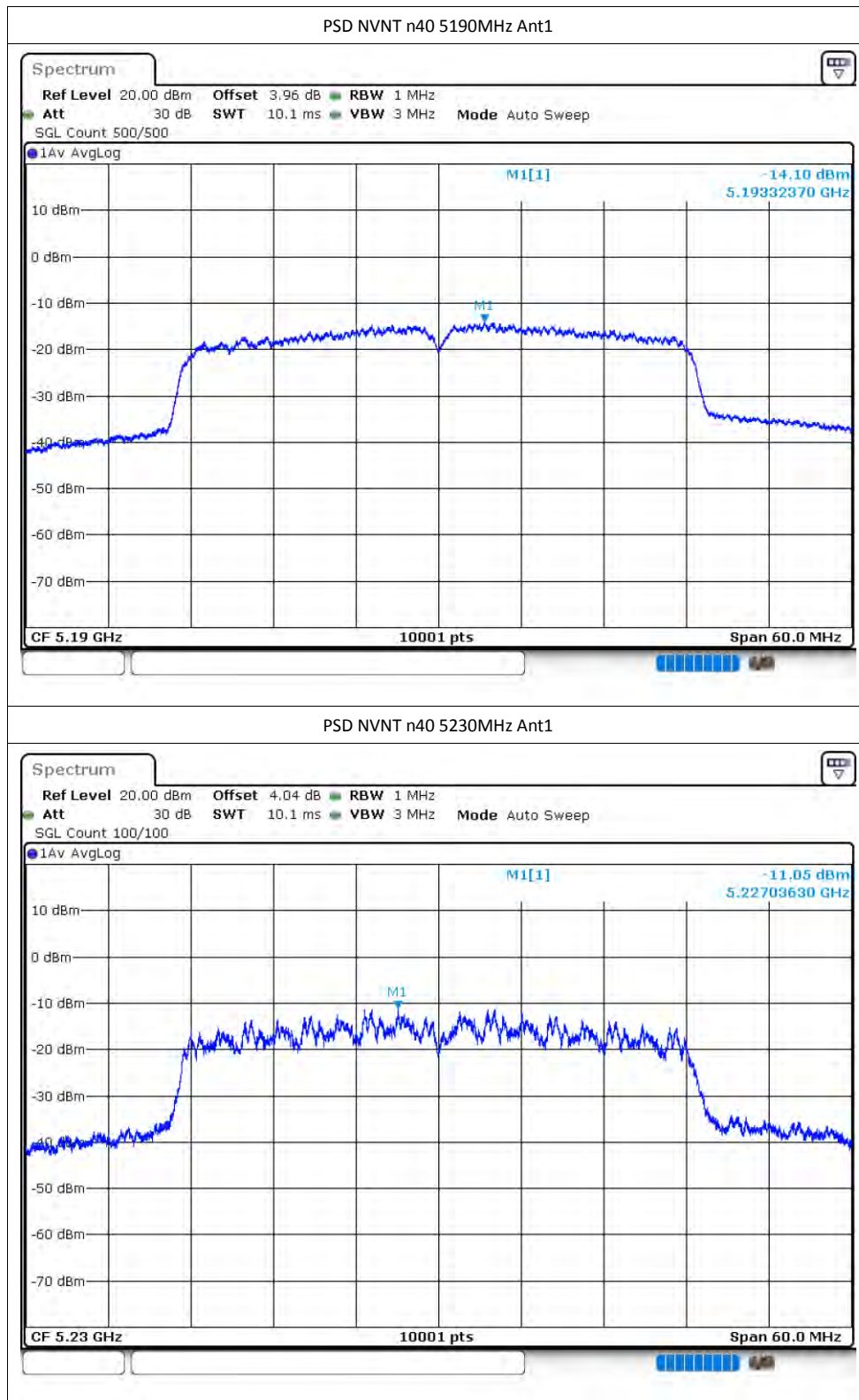


PSD NVNT a 5200MHz Ant1







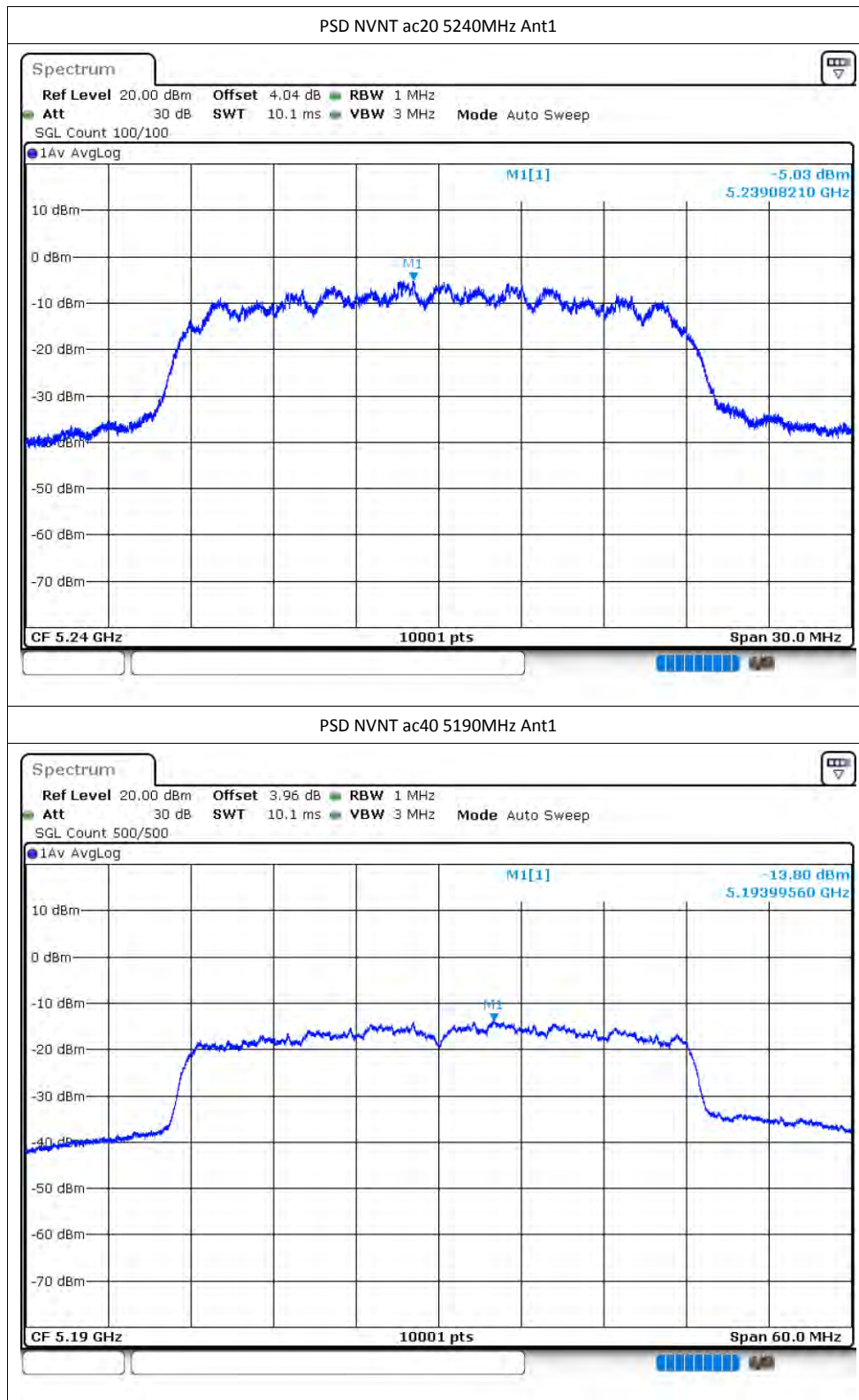


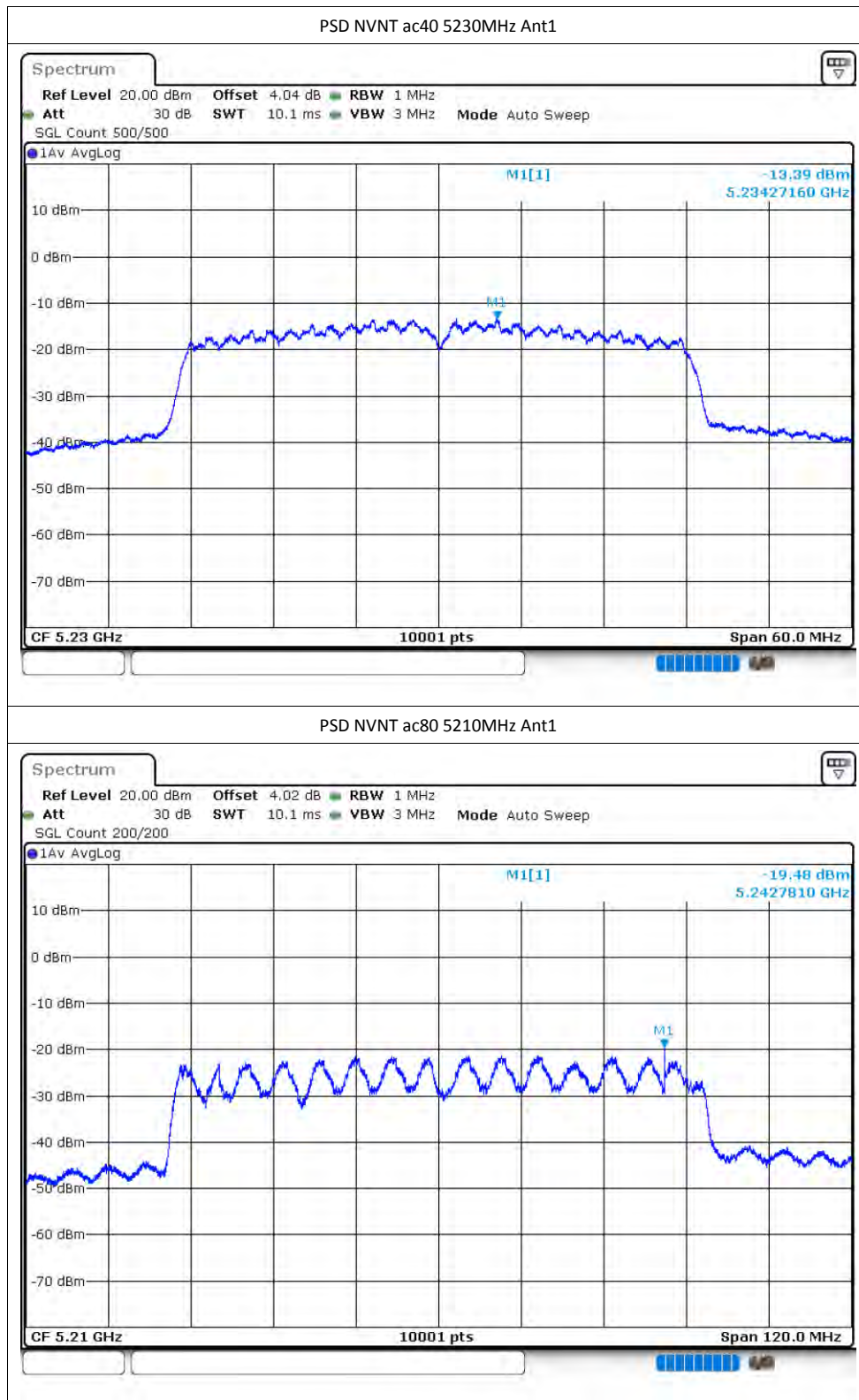
PSD NVNT ac20 5180MHz Ant1

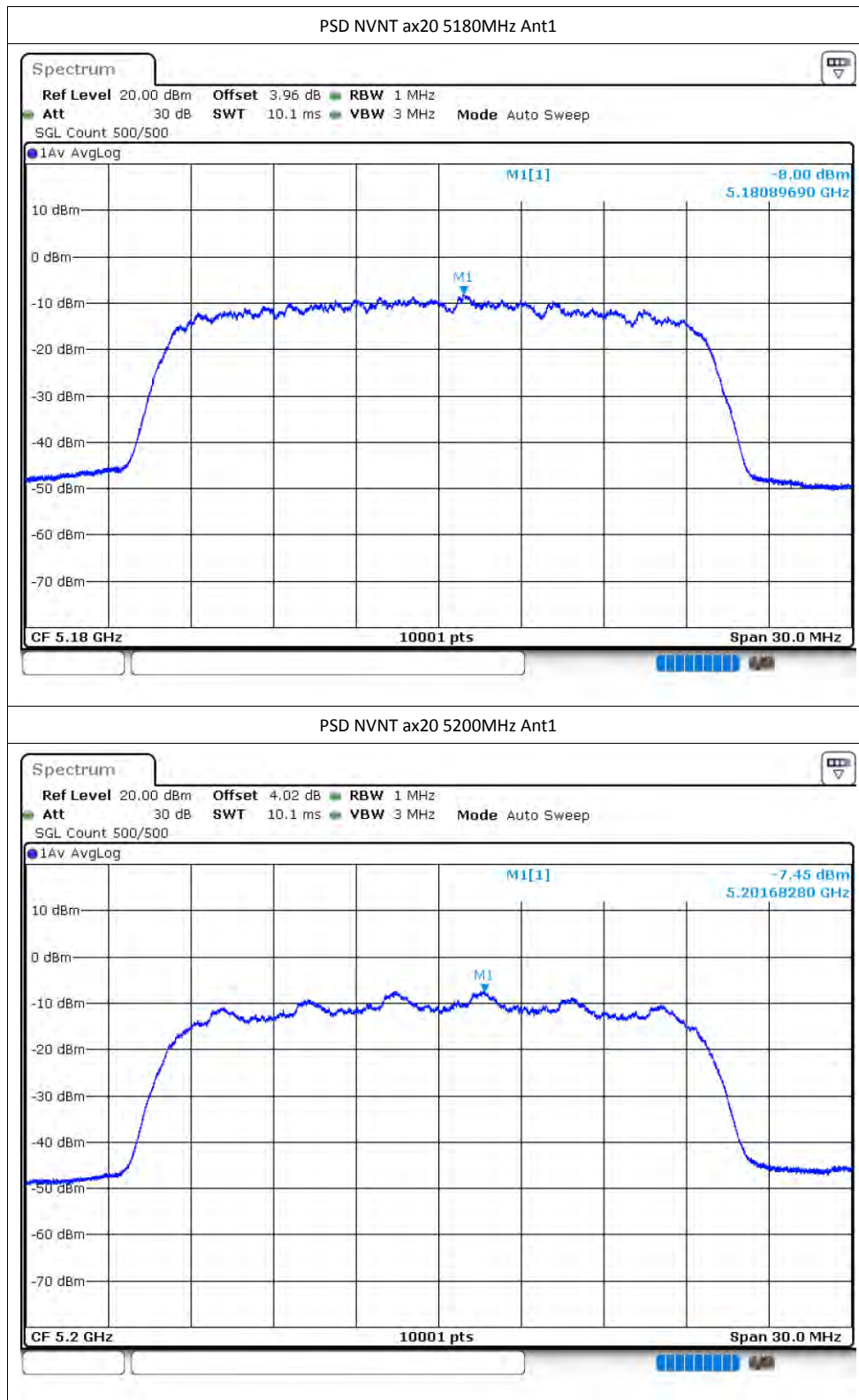


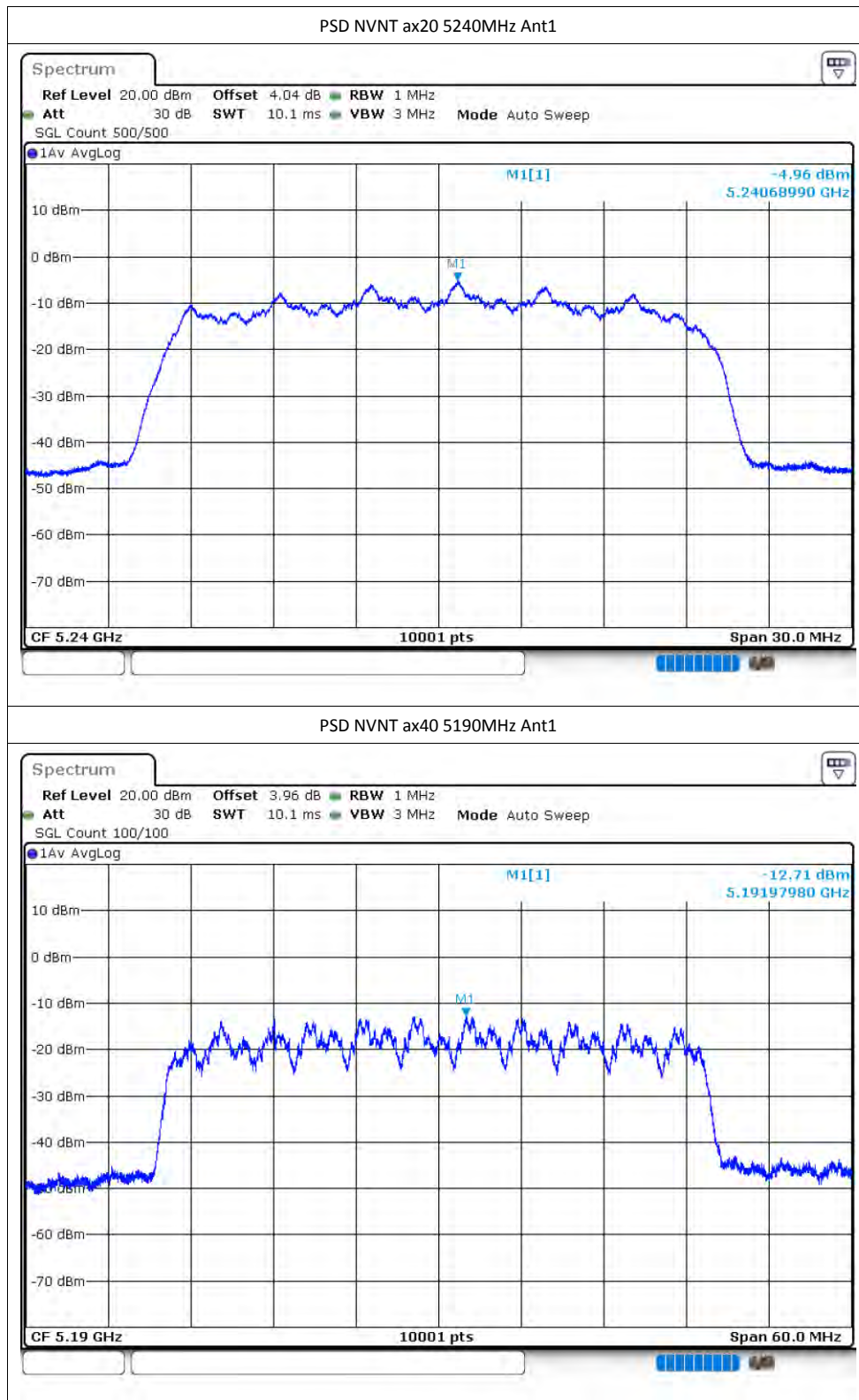
PSD NVNT ac20 5200MHz Ant1

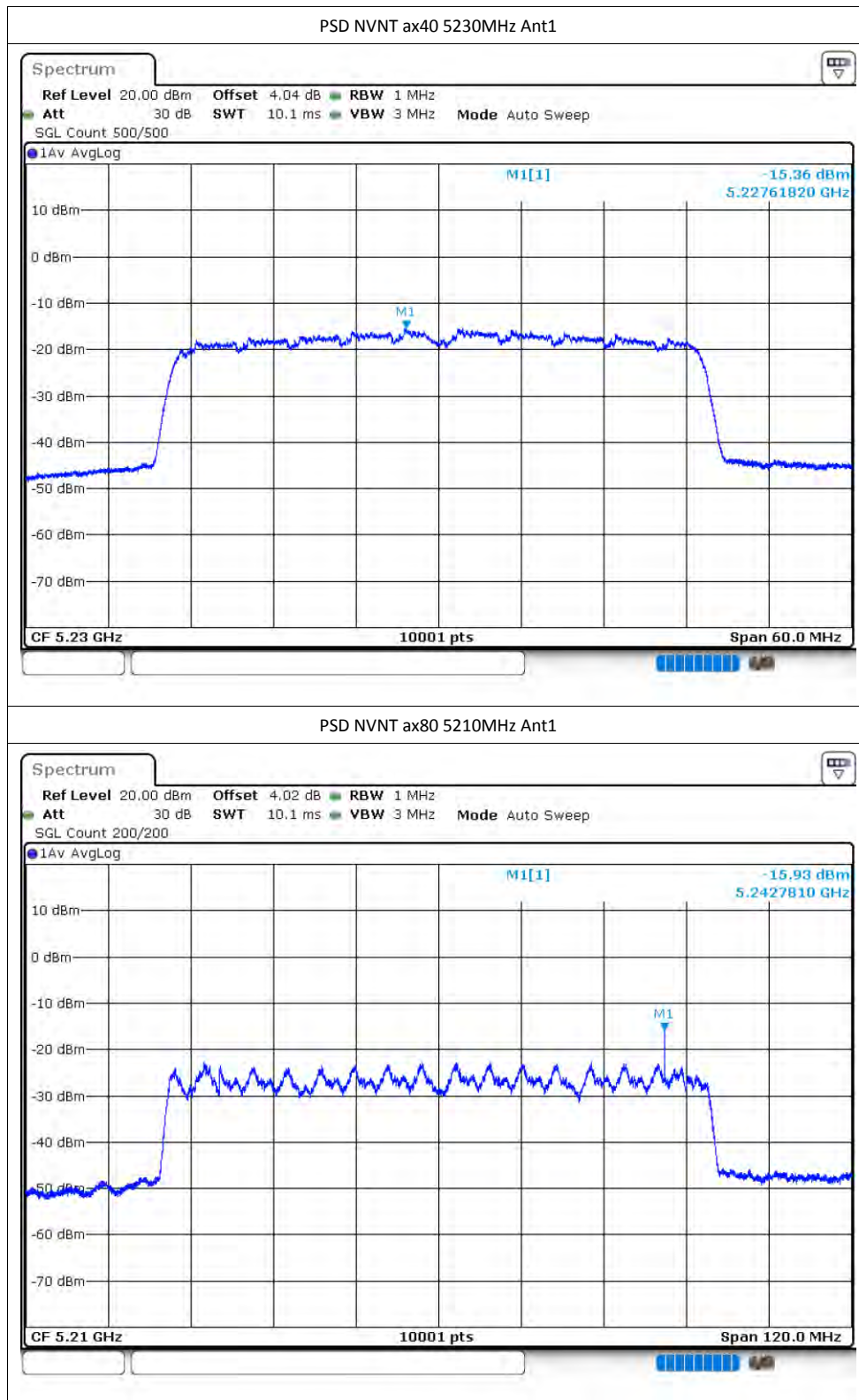










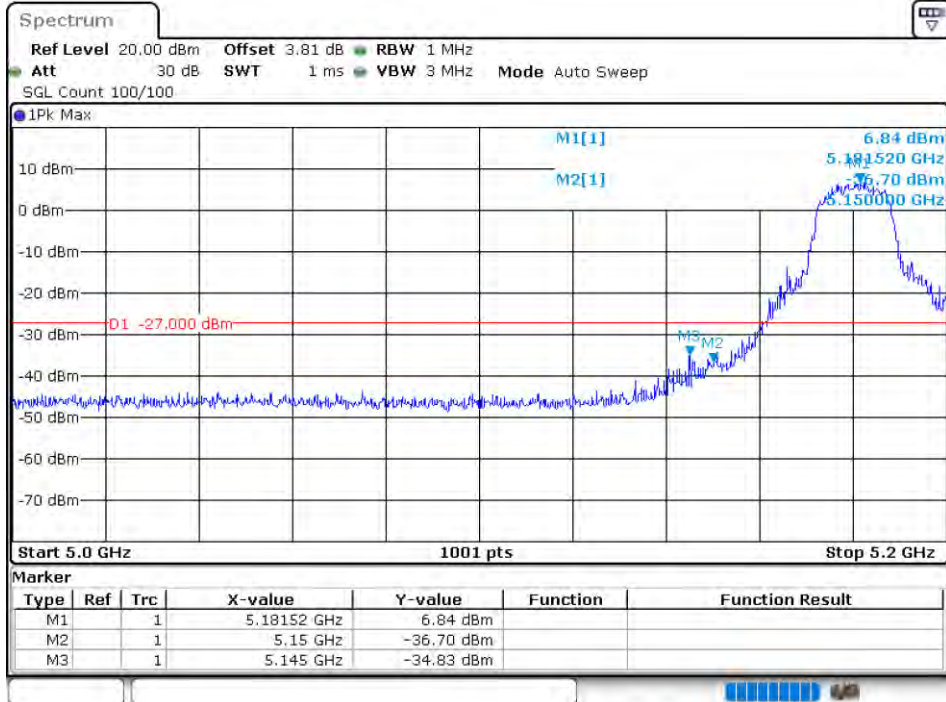


Band Edge

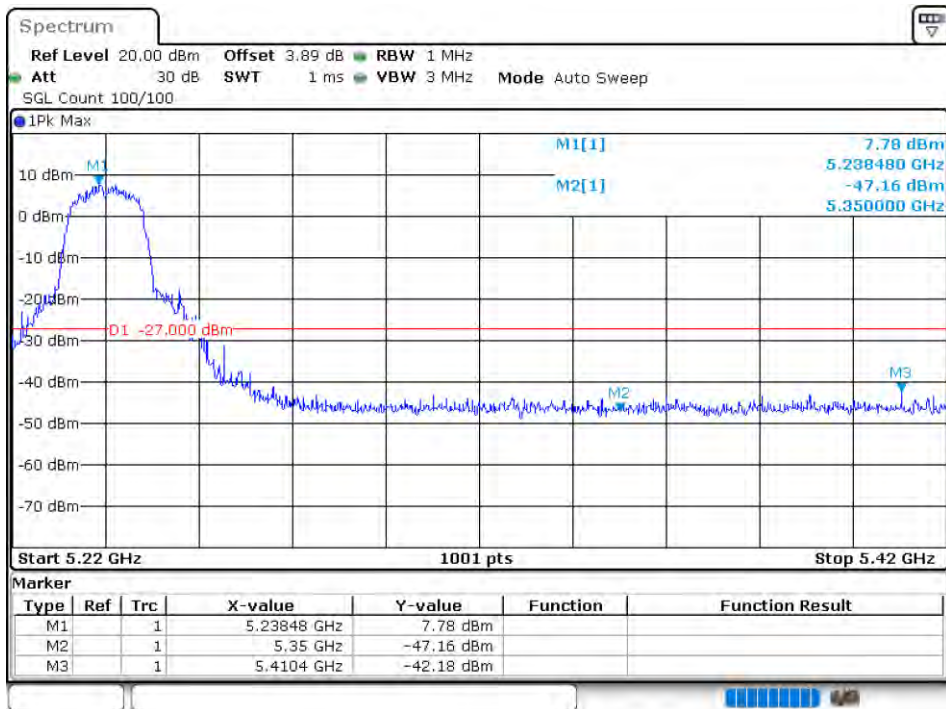
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.82	-27	Pass
NVNT	a	5240	Ant1	-42.17	-27	Pass
NVNT	n20	5180	Ant1	-38.39	-27	Pass
NVNT	n20	5240	Ant1	-43.12	-27	Pass
NVNT	n40	5190	Ant1	-29.44	-27	Pass
NVNT	n40	5230	Ant1	-43.61	-27	Pass
NVNT	ac20	5180	Ant1	-39.83	-27	Pass
NVNT	ac20	5240	Ant1	-43.66	-27	Pass
NVNT	ac40	5190	Ant1	-29.01	-27	Pass
NVNT	ac40	5230	Ant1	-42.99	-27	Pass
NVNT	ac80	5210	Ant1	-42.64	-27	Pass
NVNT	ax20	5180	Ant1	-32.31	-27	Pass
NVNT	ax20	5240	Ant1	-44.03	-27	Pass
NVNT	ax40	5190	Ant1	-27.88	-27	Pass
NVNT	ax40	5230	Ant1	-43.93	-27	Pass
NVNT	ax80	5210	Ant1	-43.07	-27	Pass

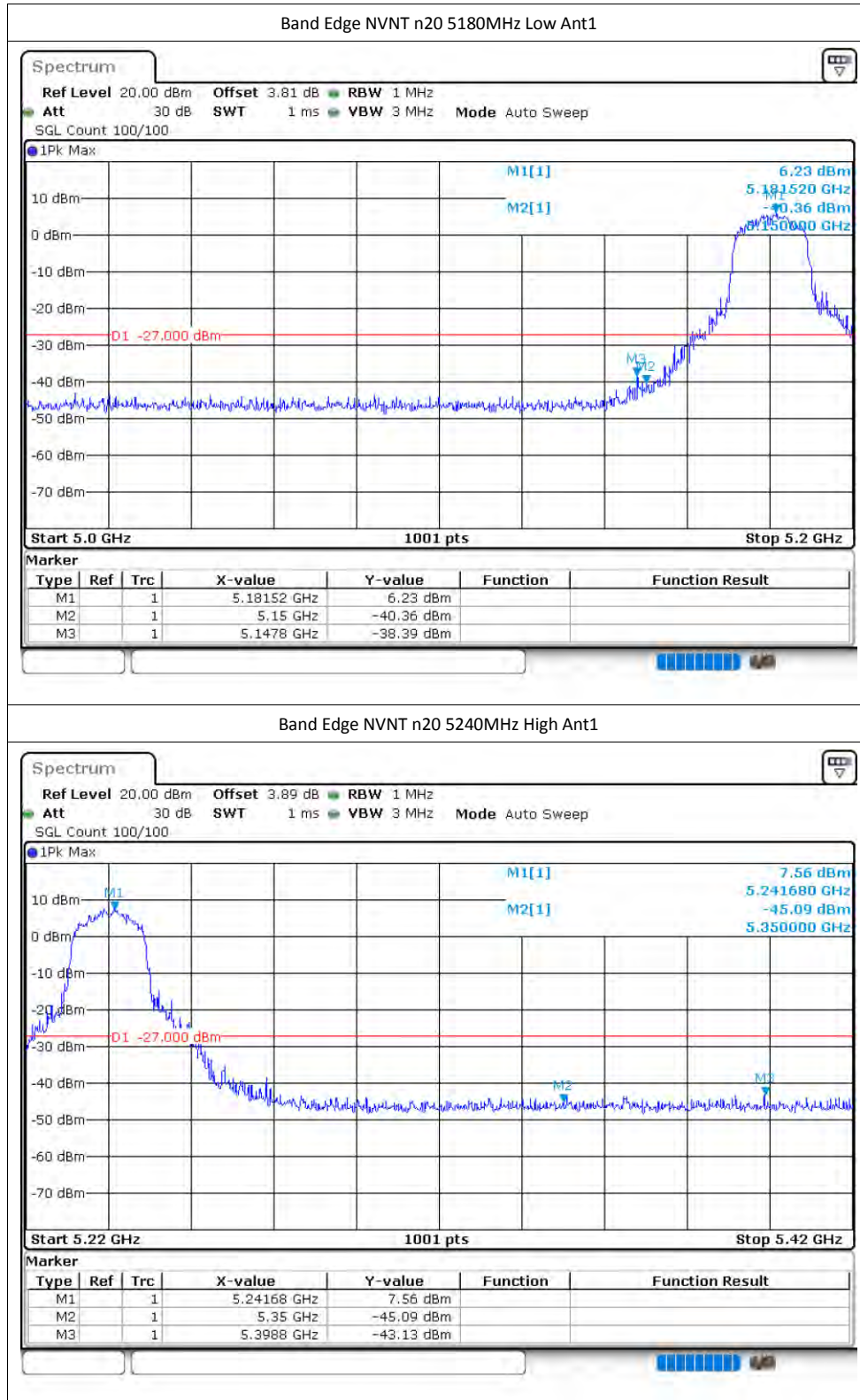
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1

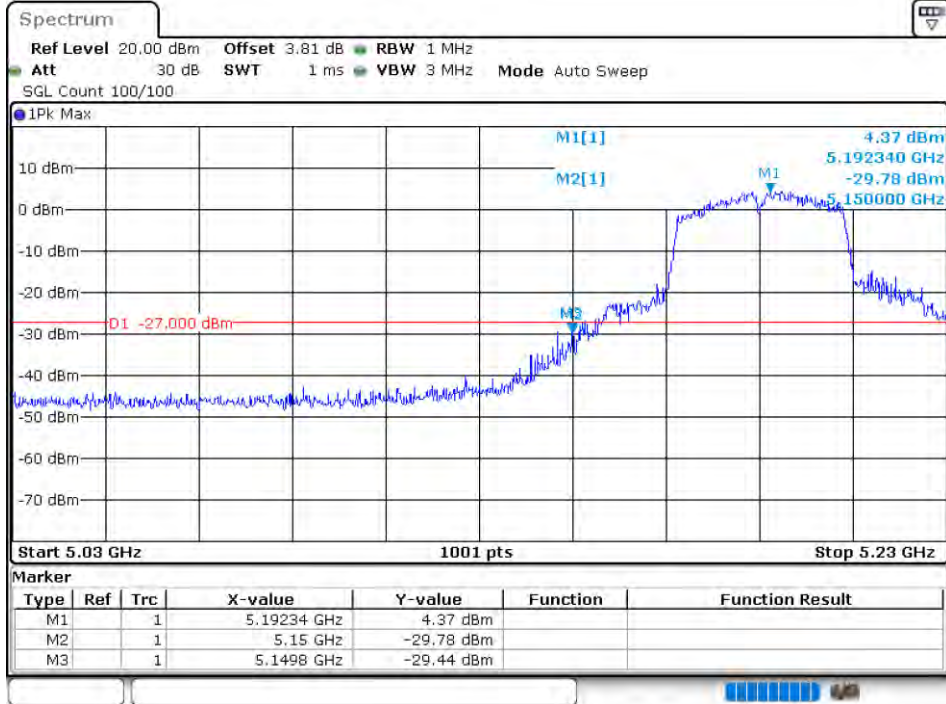


Band Edge NVNT a 5240MHz High Ant1

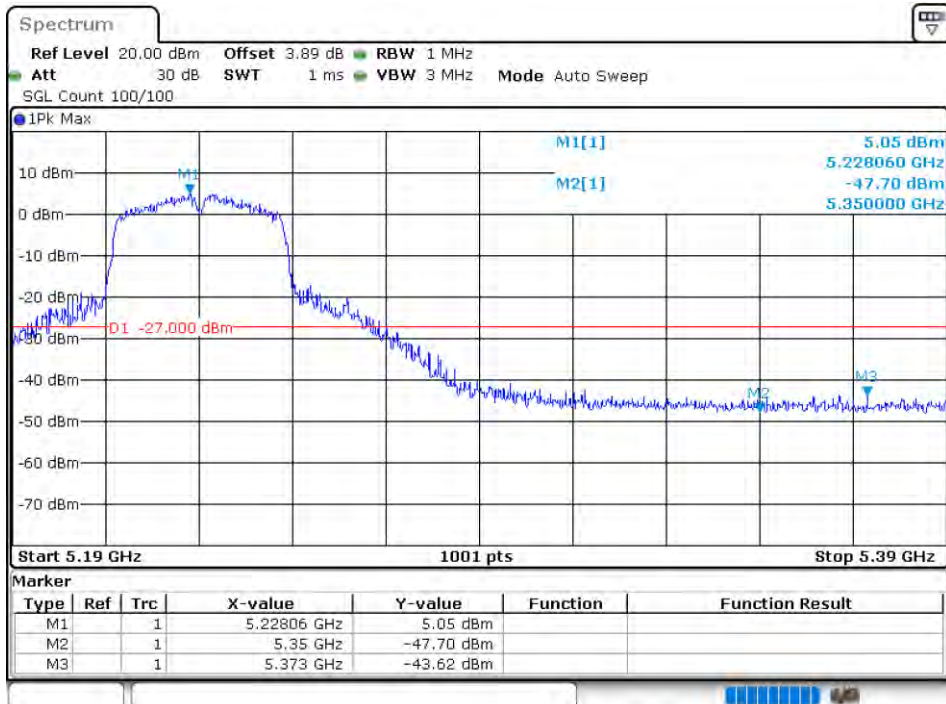




Band Edge NVNT n40 5190MHz Low Ant1



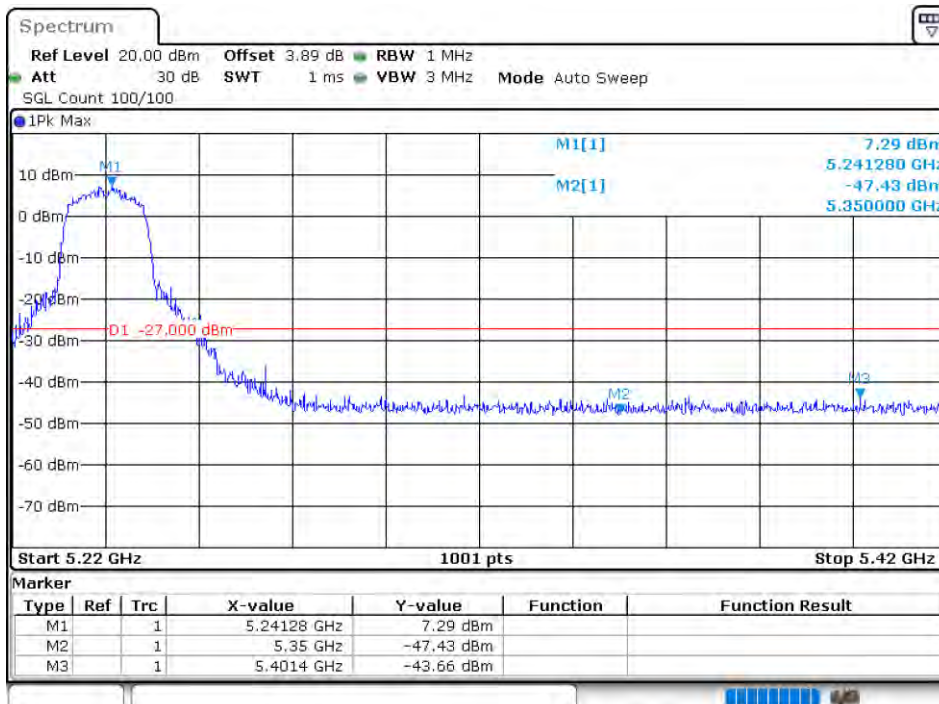
Band Edge NVNT n40 5230MHz High Ant1



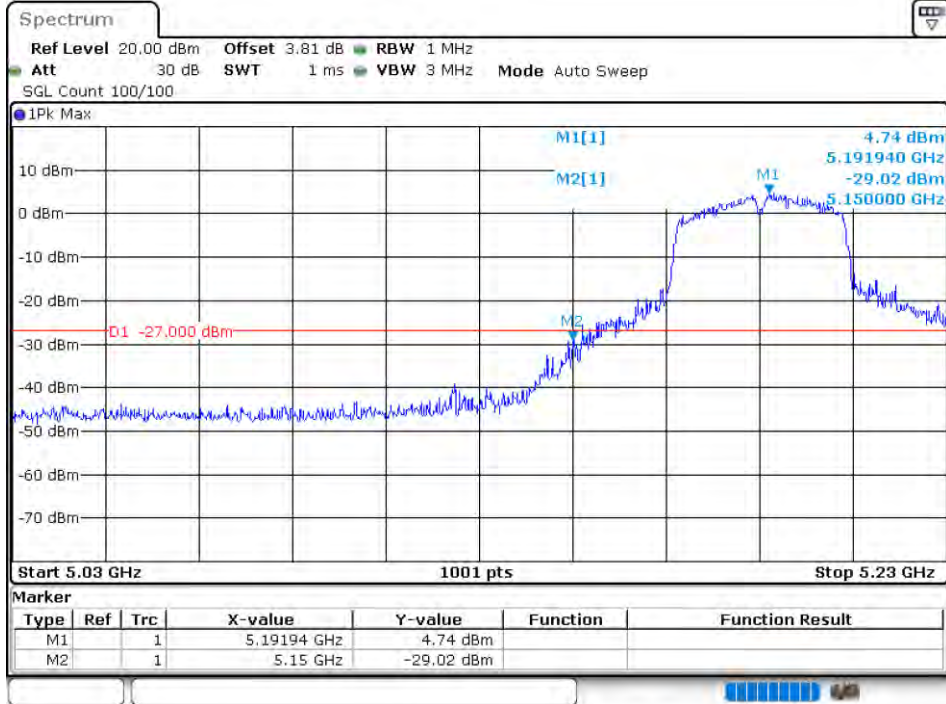
Band Edge NVNT ac20 5180MHz Low Ant1



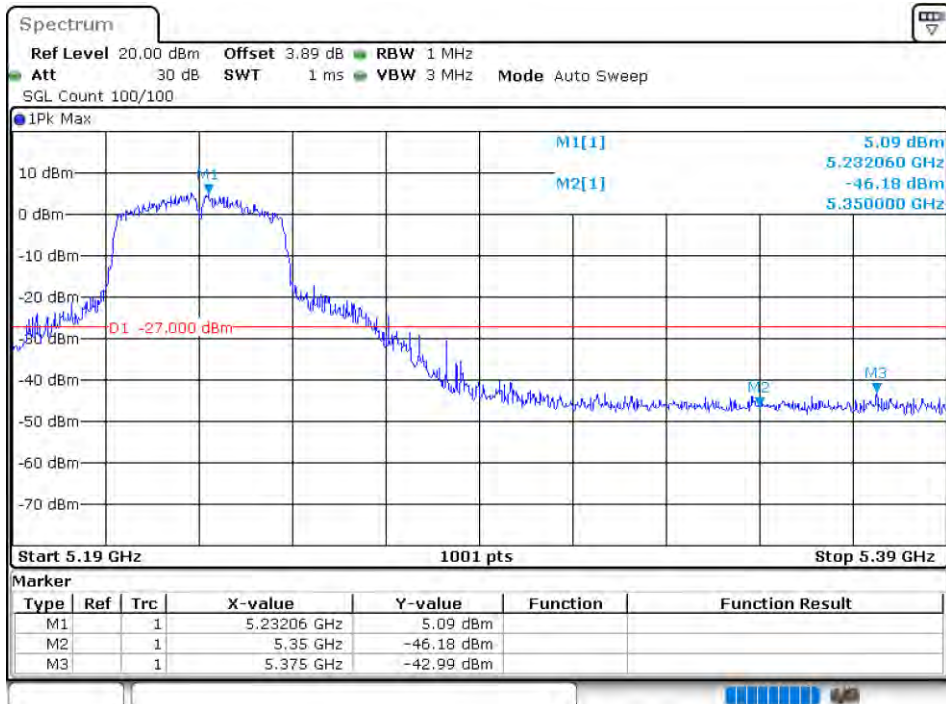
Band Edge NVNT ac20 5240MHz High Ant1



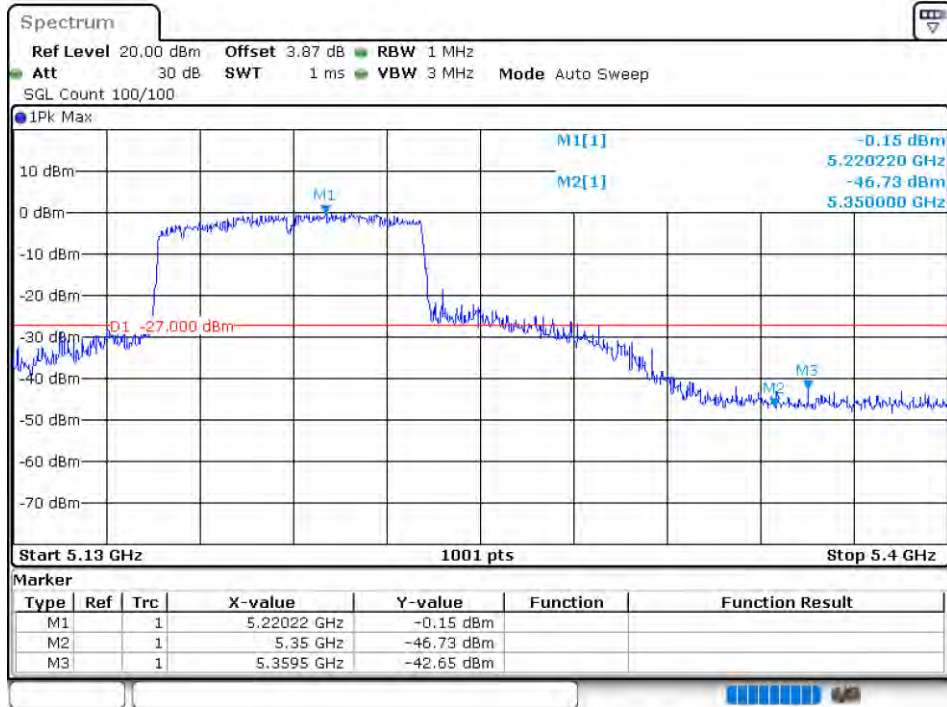
Band Edge NVNT ac40 5190MHz Low Ant1



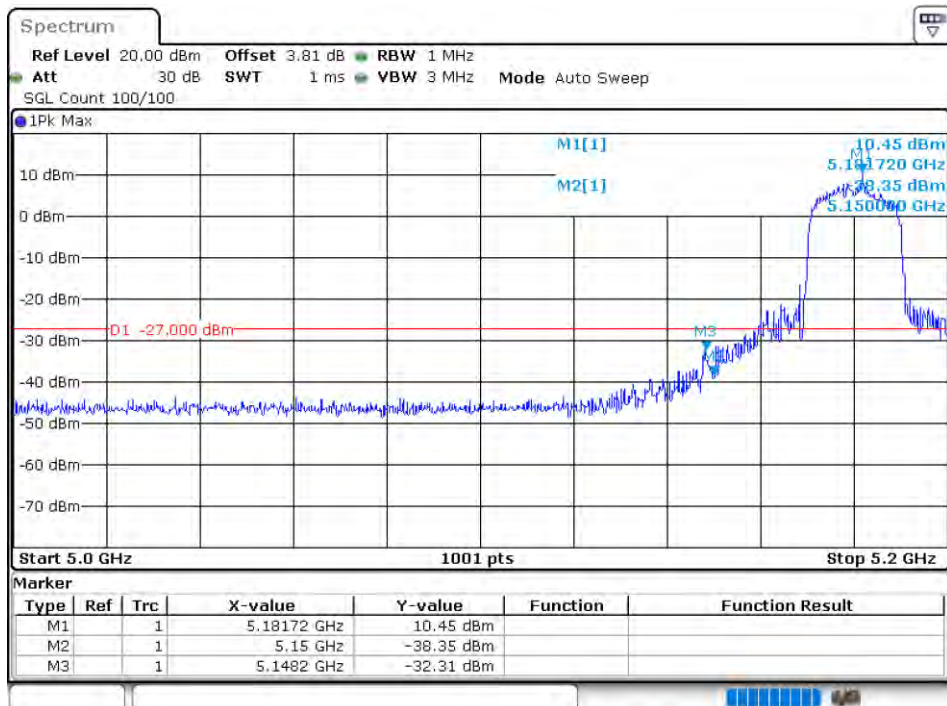
Band Edge NVNT ac40 5230MHz High Ant1



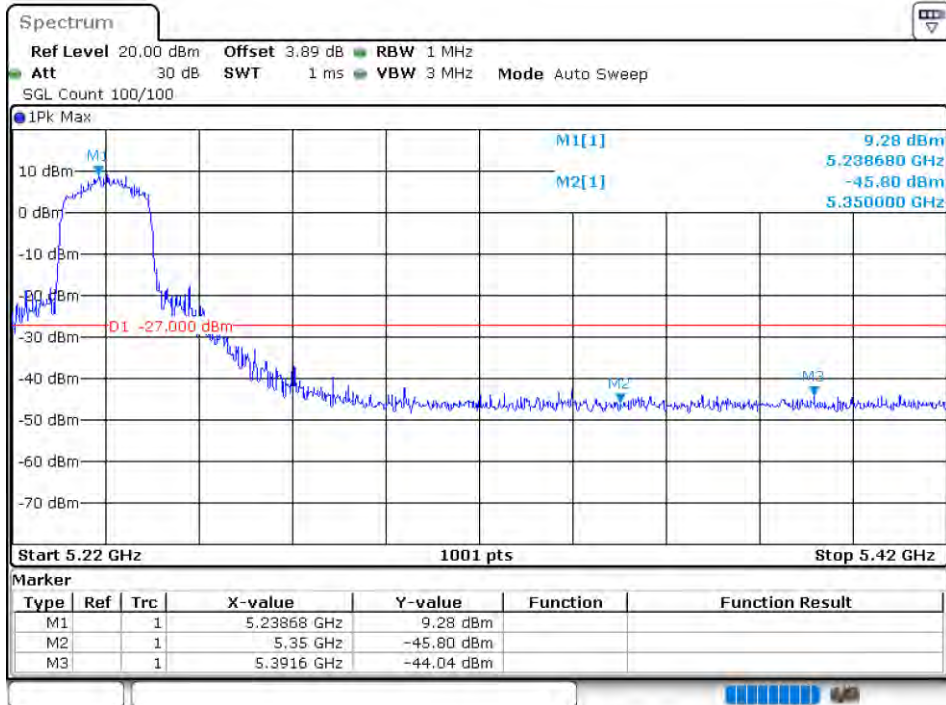
Band Edge NVNT ac80 5210MHz High Ant1



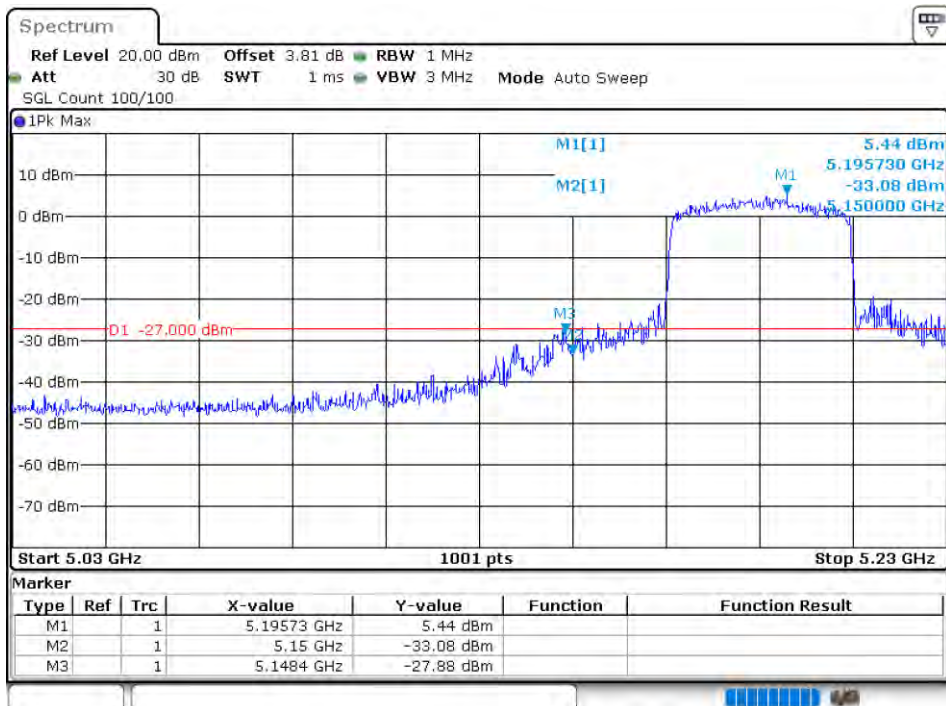
Band Edge NVNT ax20 5180MHz Low Ant1



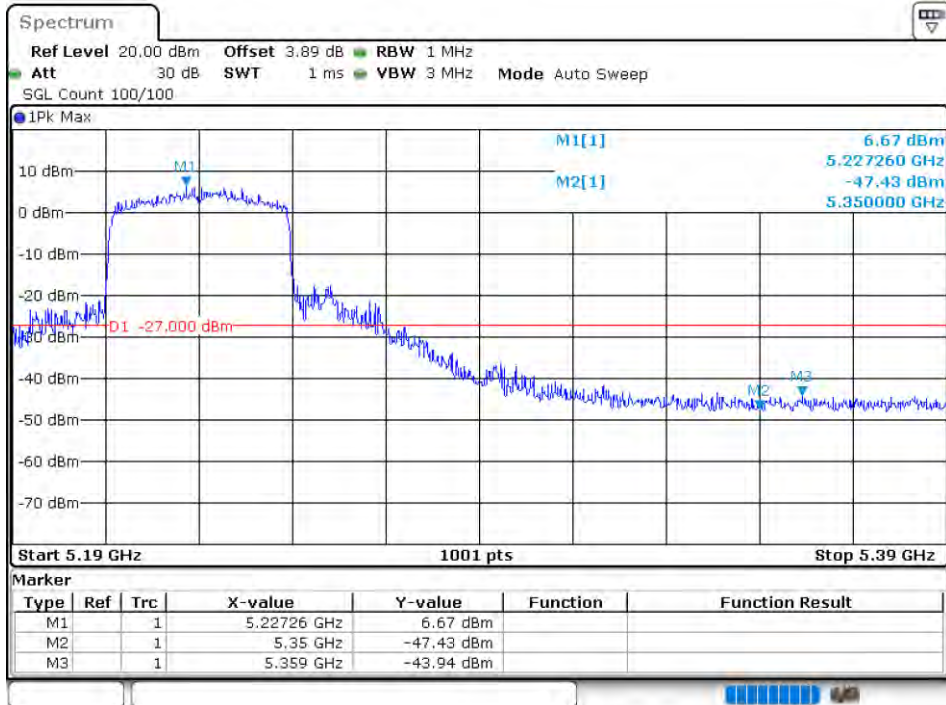
Band Edge NVNT ax20 5240MHz High Ant1



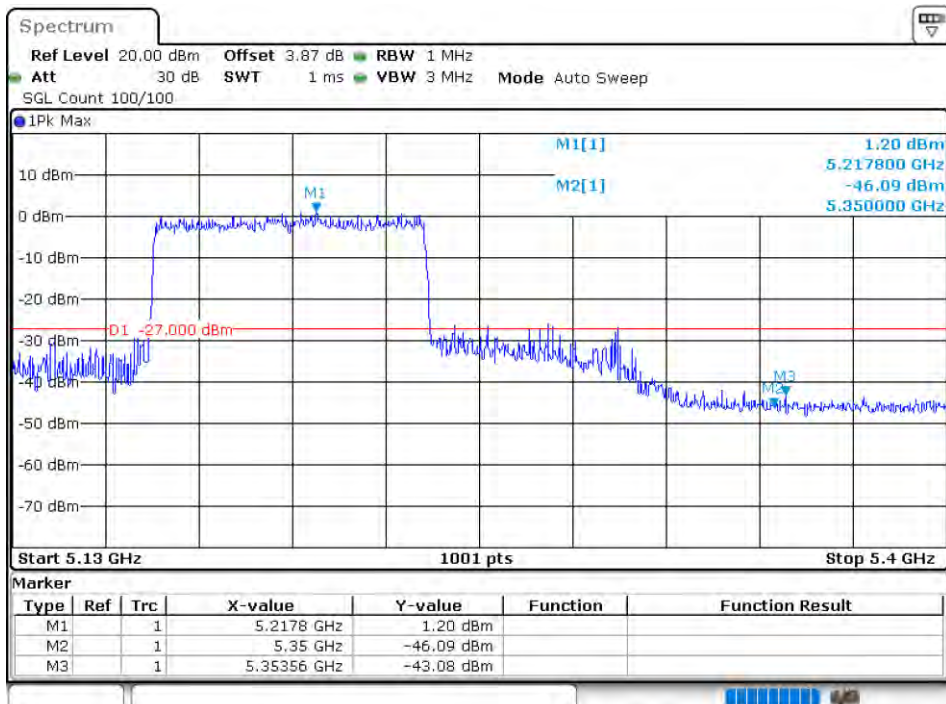
Band Edge NVNT ax40 5190MHz Low Ant1



Band Edge NVNT ax40 5230MHz High Ant1



Band Edge NVNT ax80 5210MHz High Ant1

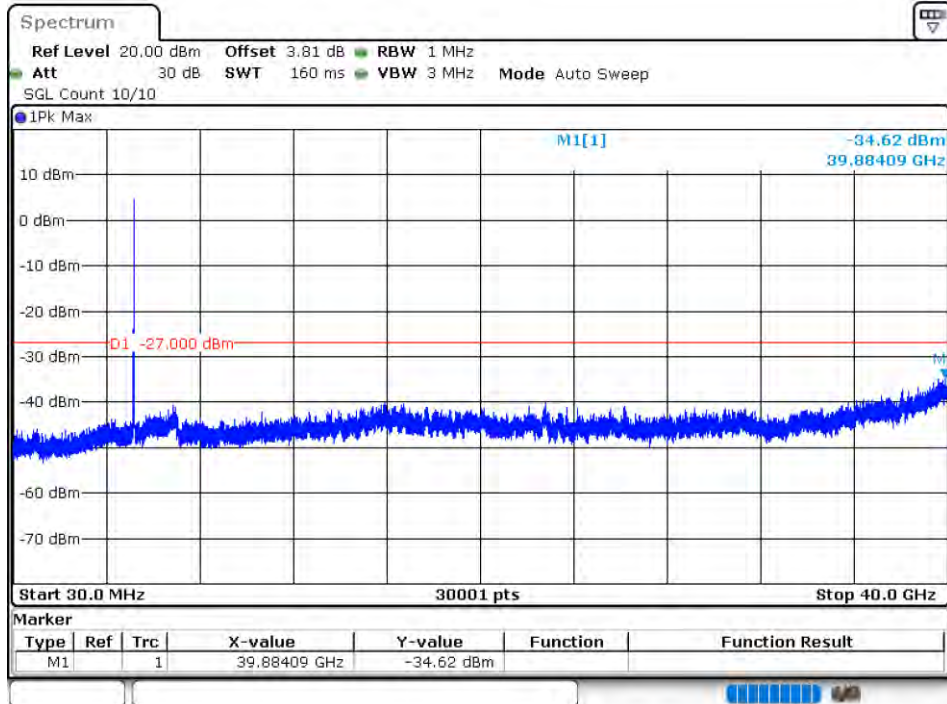


Conducted RF Spurious Emission

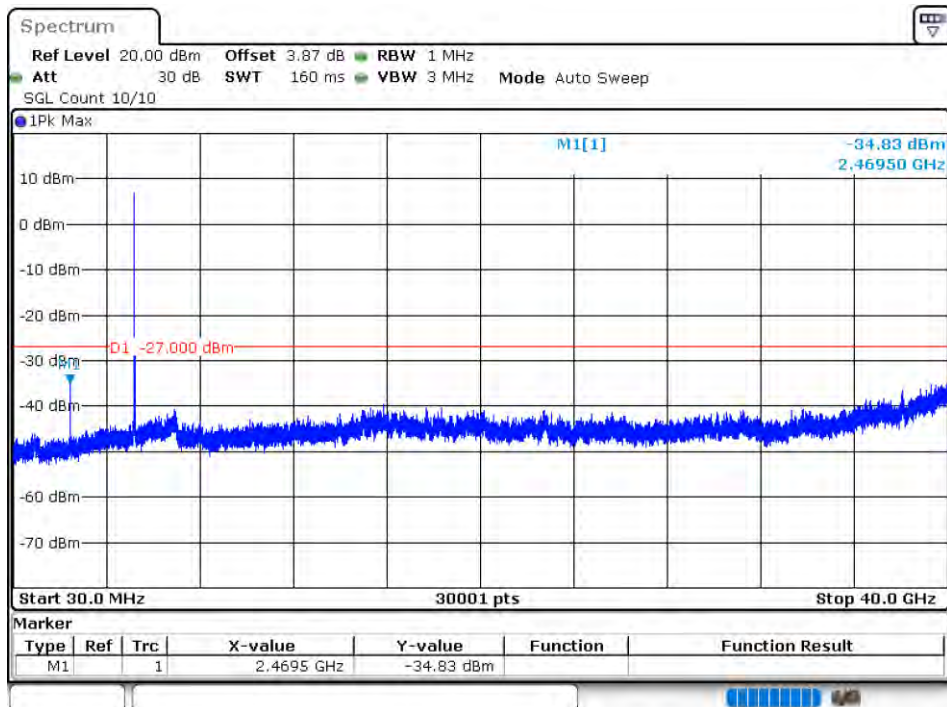
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-34.62	-27	Pass
NVNT	a	5200	Ant1	-34.82	-27	Pass
NVNT	a	5240	Ant1	-31.35	-27	Pass
NVNT	n20	5180	Ant1	-40.32	-27	Pass
NVNT	n20	5200	Ant1	-32.34	-27	Pass
NVNT	n20	5240	Ant1	-34.53	-27	Pass
NVNT	n40	5190	Ant1	-35.21	-27	Pass
NVNT	n40	5230	Ant1	-31.46	-27	Pass
NVNT	ac20	5180	Ant1	-35.66	-27	Pass
NVNT	ac20	5200	Ant1	-35.21	-27	Pass
NVNT	ac20	5240	Ant1	-34.58	-27	Pass
NVNT	ac40	5190	Ant1	-34.7	-27	Pass
NVNT	ac40	5230	Ant1	-34.78	-27	Pass
NVNT	ac80	5210	Ant1	-34.76	-27	Pass
NVNT	ax20	5180	Ant1	-34.95	-27	Pass
NVNT	ax20	5200	Ant1	-35.24	-27	Pass
NVNT	ax20	5240	Ant1	-35.43	-27	Pass
NVNT	ax40	5190	Ant1	-35.13	-27	Pass
NVNT	ax40	5230	Ant1	-33.6	-27	Pass
NVNT	ax80	5210	Ant1	-34.89	-27	Pass

Test Graphs

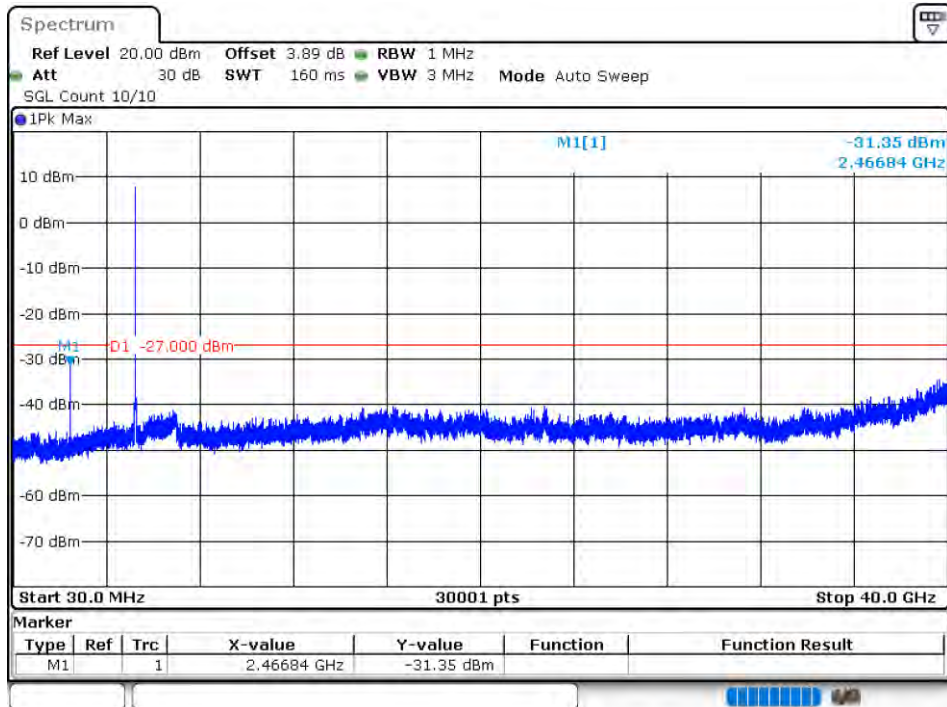
Tx. Spurious NVNT a 5180MHz Ant1 Emission



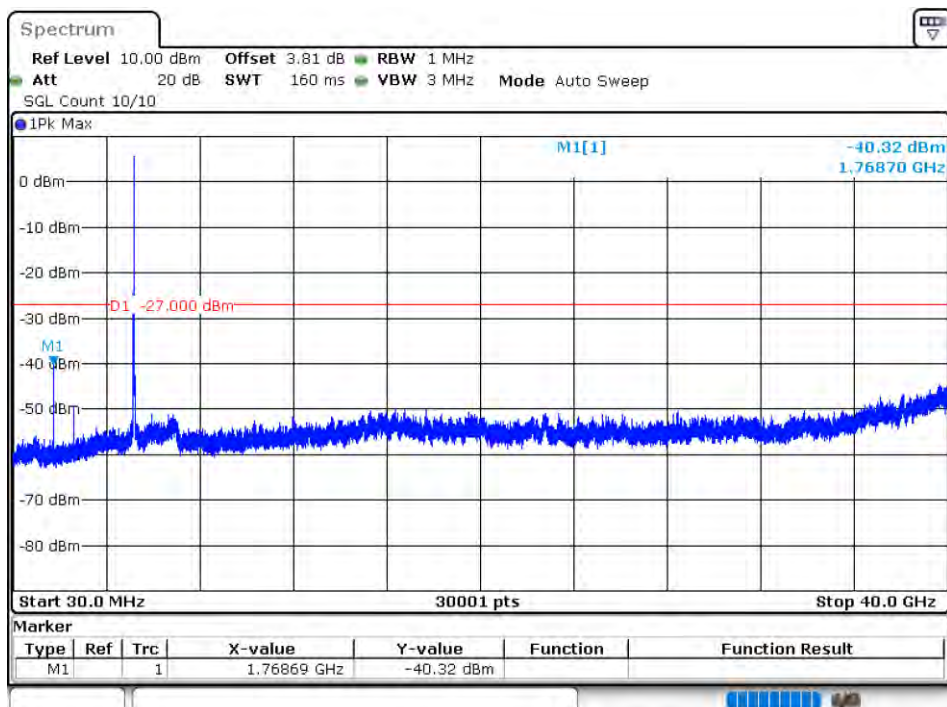
Tx. Spurious NVNT a 5200MHz Ant1 Emission



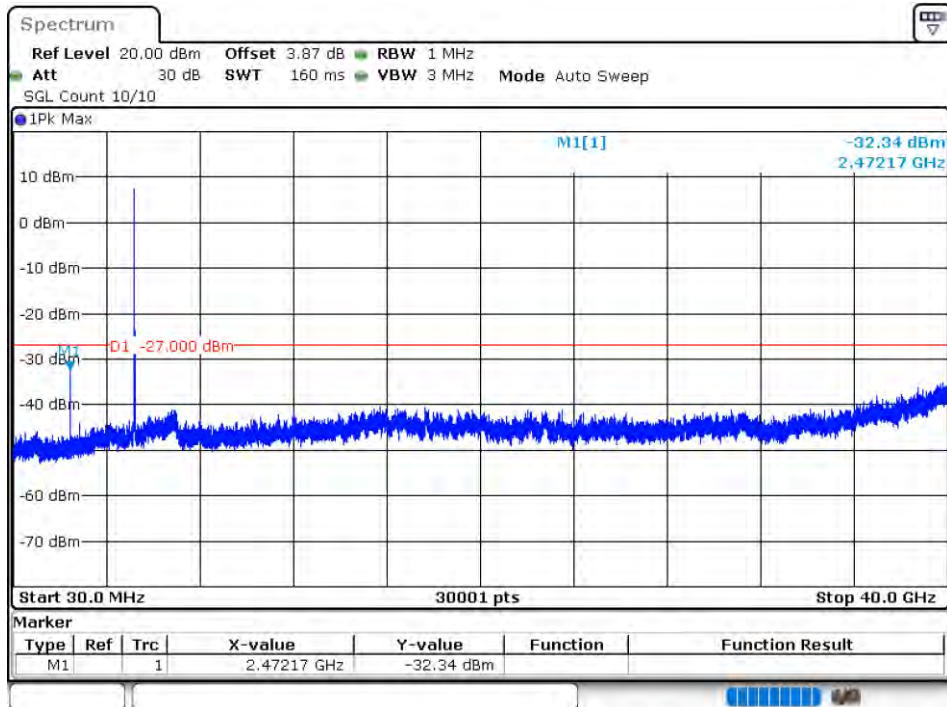
Tx. Spurious NVNT a 5240MHz Ant1 Emission



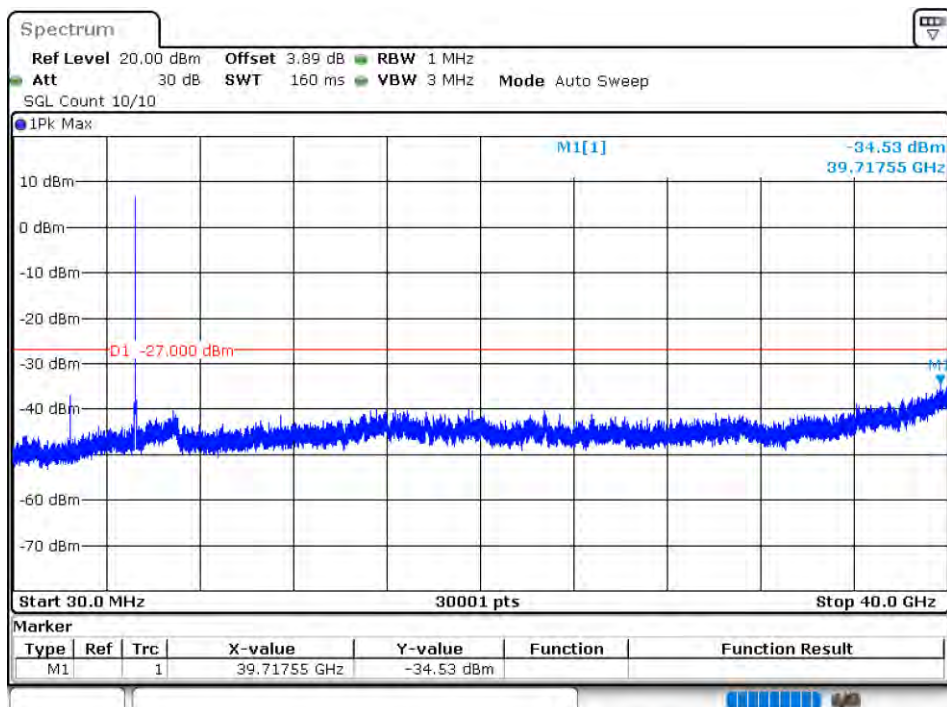
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



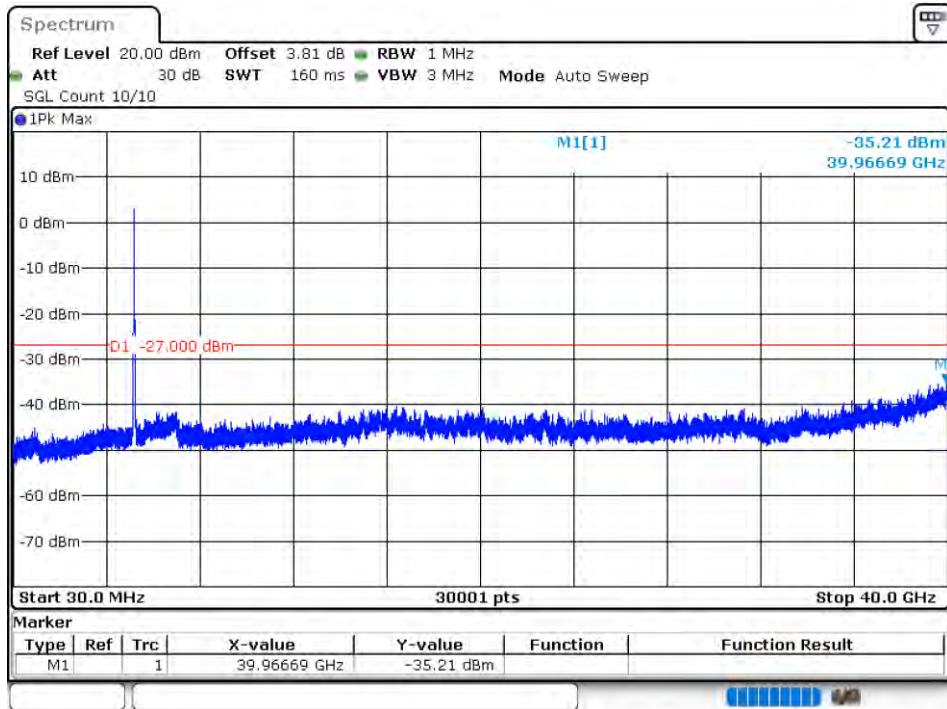
Tx. Spurious NVNT n20 5200MHz Ant1 Emission



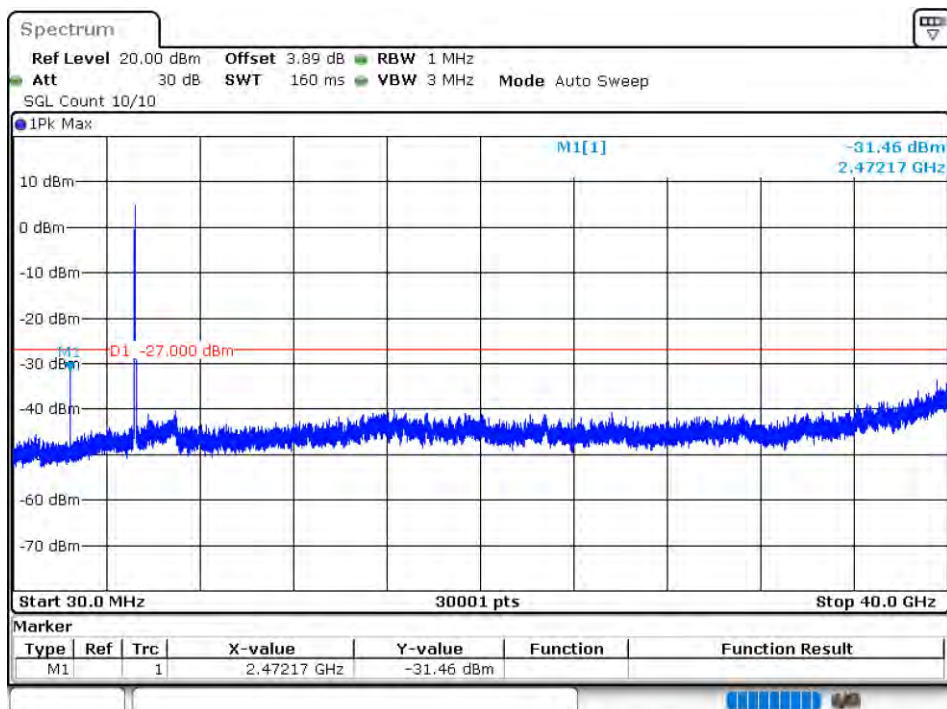
Tx. Spurious NVNT n20 5240MHz Ant1 Emission

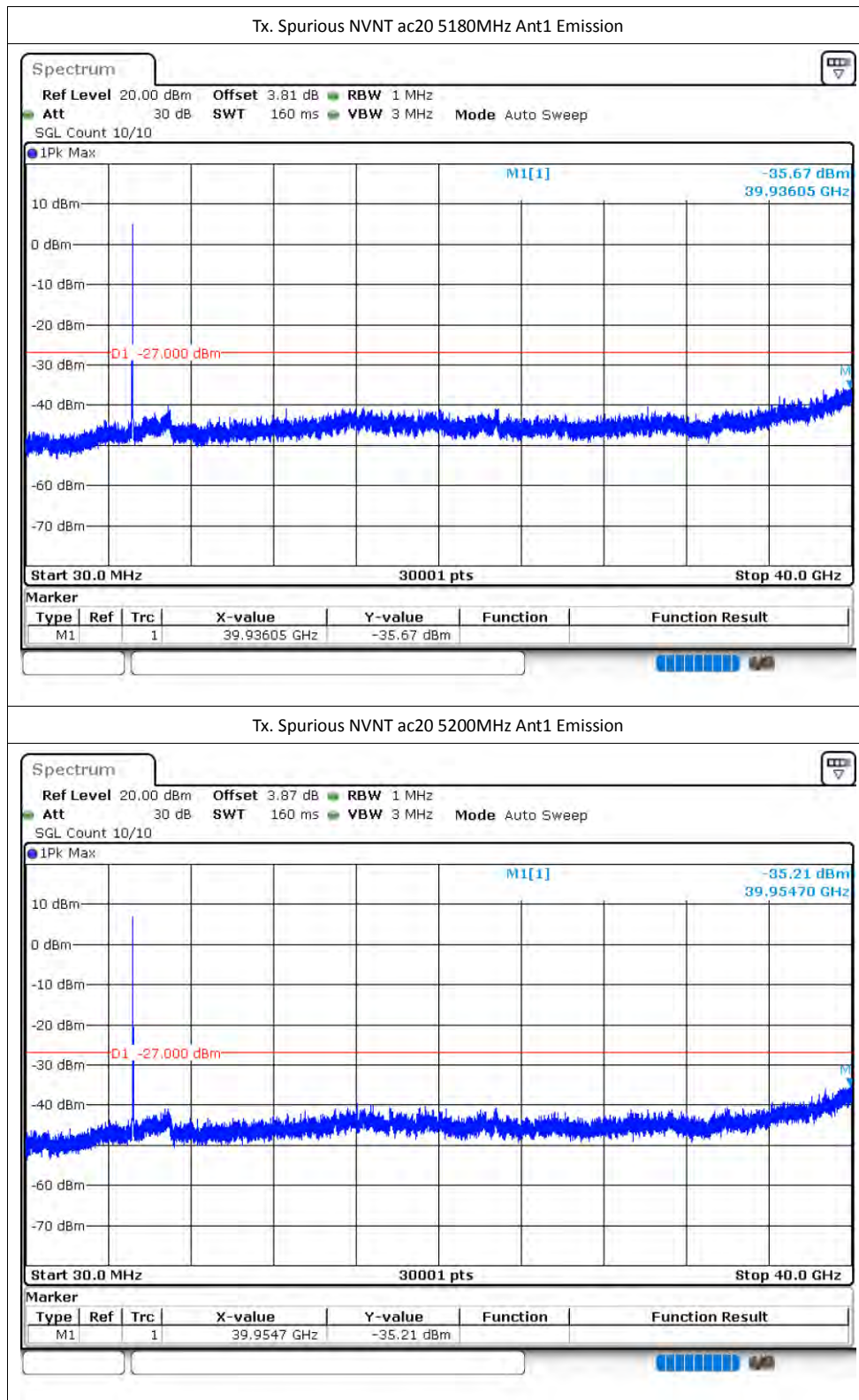


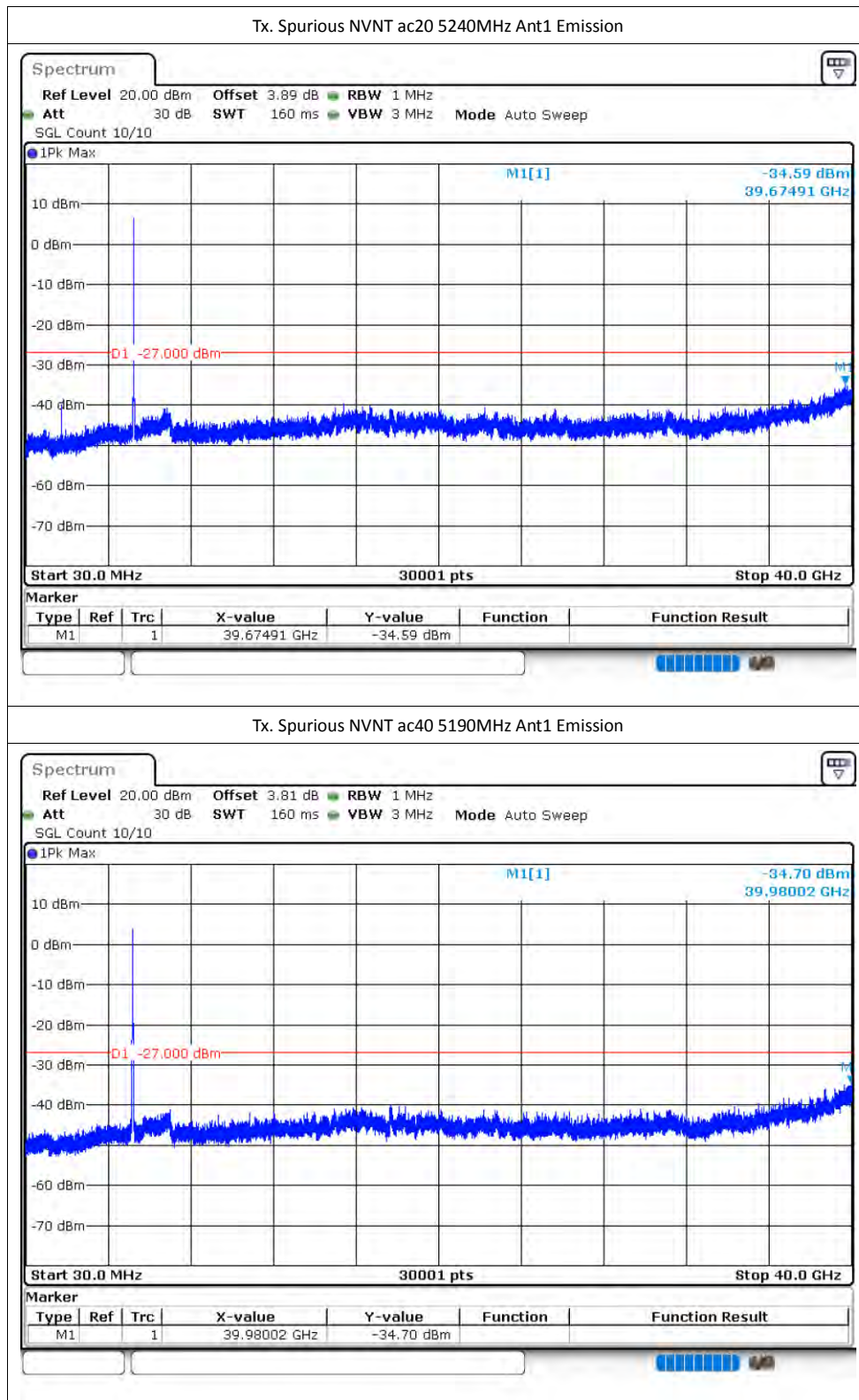
Tx. Spurious NVNT n40 5190MHz Ant1 Emission

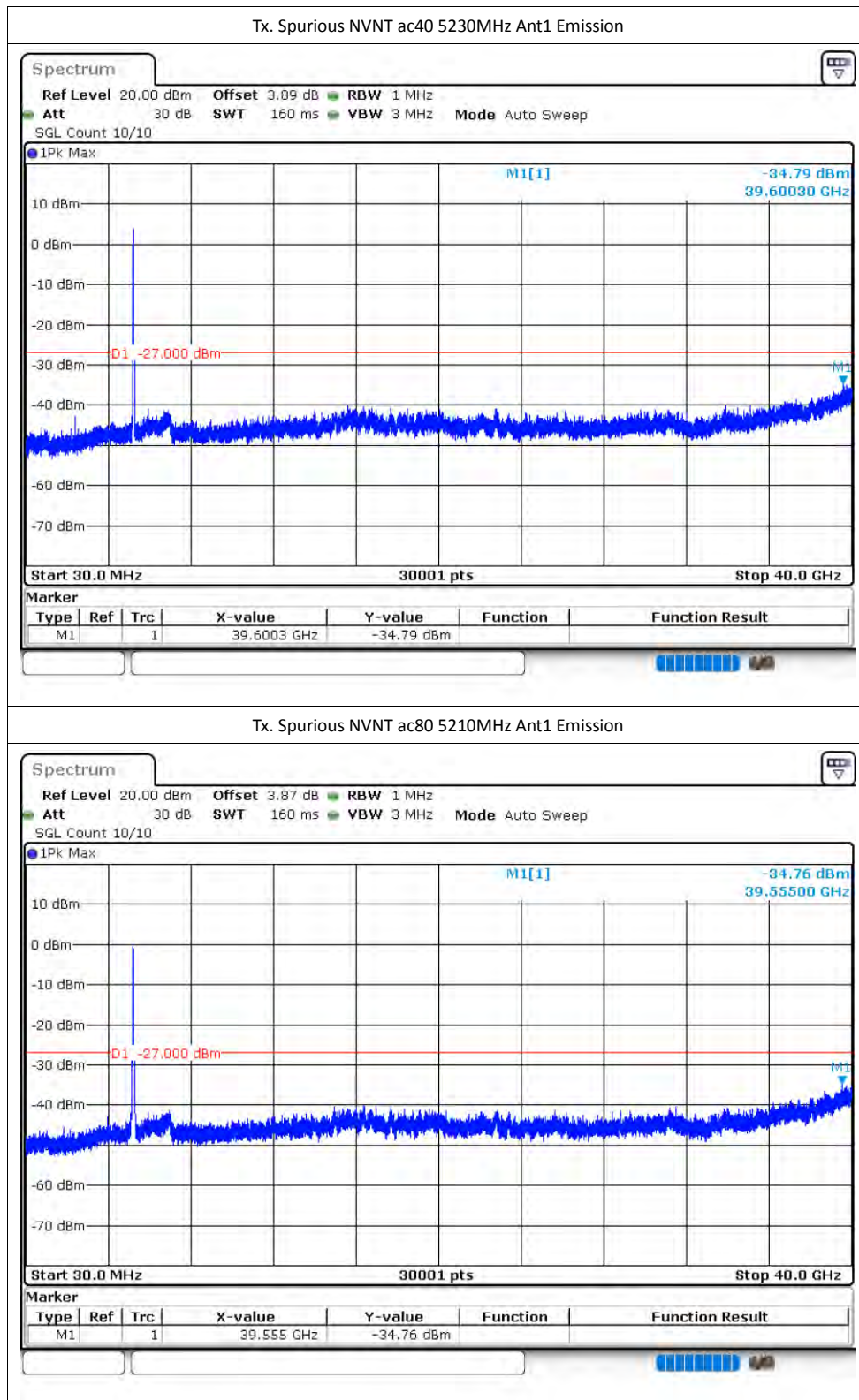


Tx. Spurious NVNT n40 5230MHz Ant1 Emission

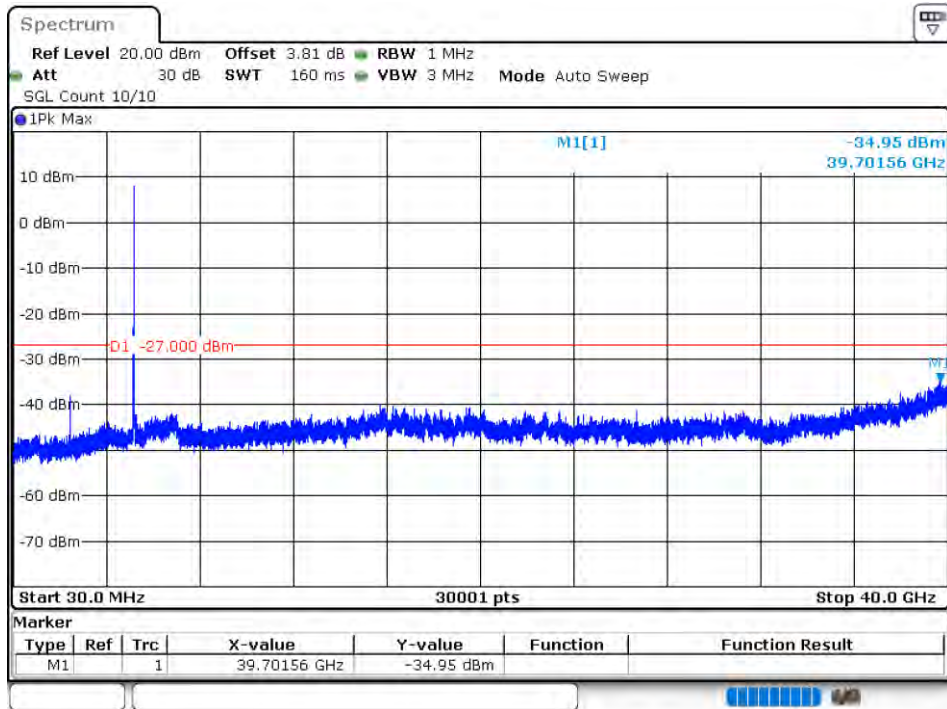








Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



Tx. Spurious NVNT ax20 5200MHz Ant1 Emission

