

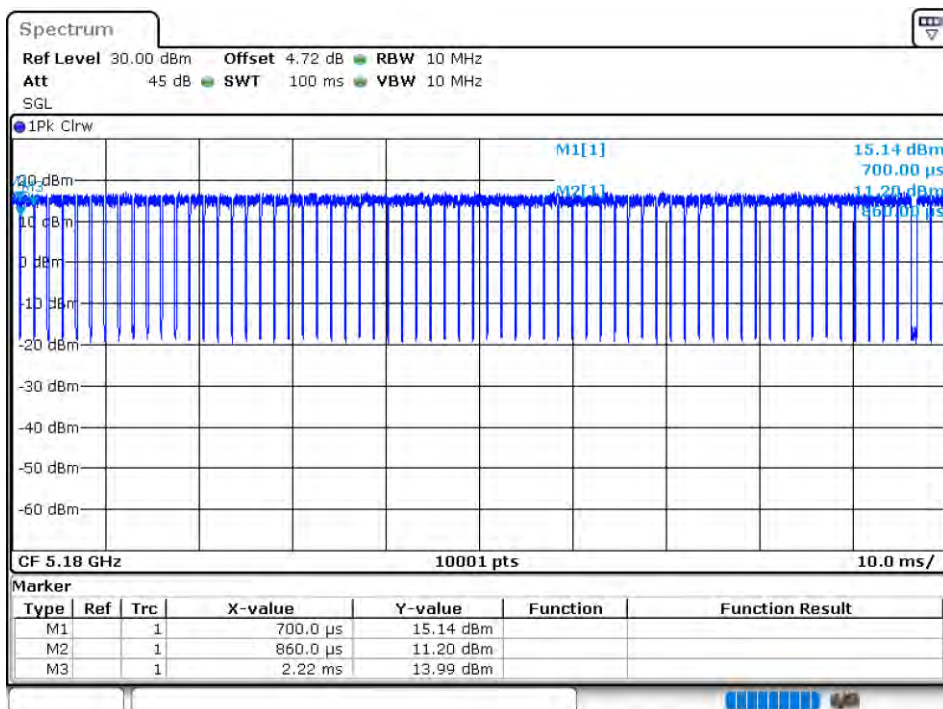
WIFI 5.2G

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	89.87	0.46	0.74
NVNT	a	5200	Ant1	90.46	0.44	0.74
NVNT	a	5240	Ant1	90.44	0.44	0.74
NVNT	n20	5180	Ant1	88.6	0.53	0.87
NVNT	n20	5200	Ant1	89.12	0.5	0.88
NVNT	n20	5240	Ant1	89.01	0.51	0.88
NVNT	n40	5190	Ant1	80.22	0.96	1.72
NVNT	n40	5230	Ant1	80.56	0.94	1.72
NVNT	ac20	5180	Ant1	88.65	0.52	0.87
NVNT	ac20	5200	Ant1	89.29	0.49	0.86
NVNT	ac20	5240	Ant1	89.04	0.5	0.87
NVNT	ac40	5190	Ant1	80.93	0.92	1.72
NVNT	ac40	5230	Ant1	80.96	0.92	1.72
NVNT	ac80	5210	Ant1	68.22	1.66	3.45

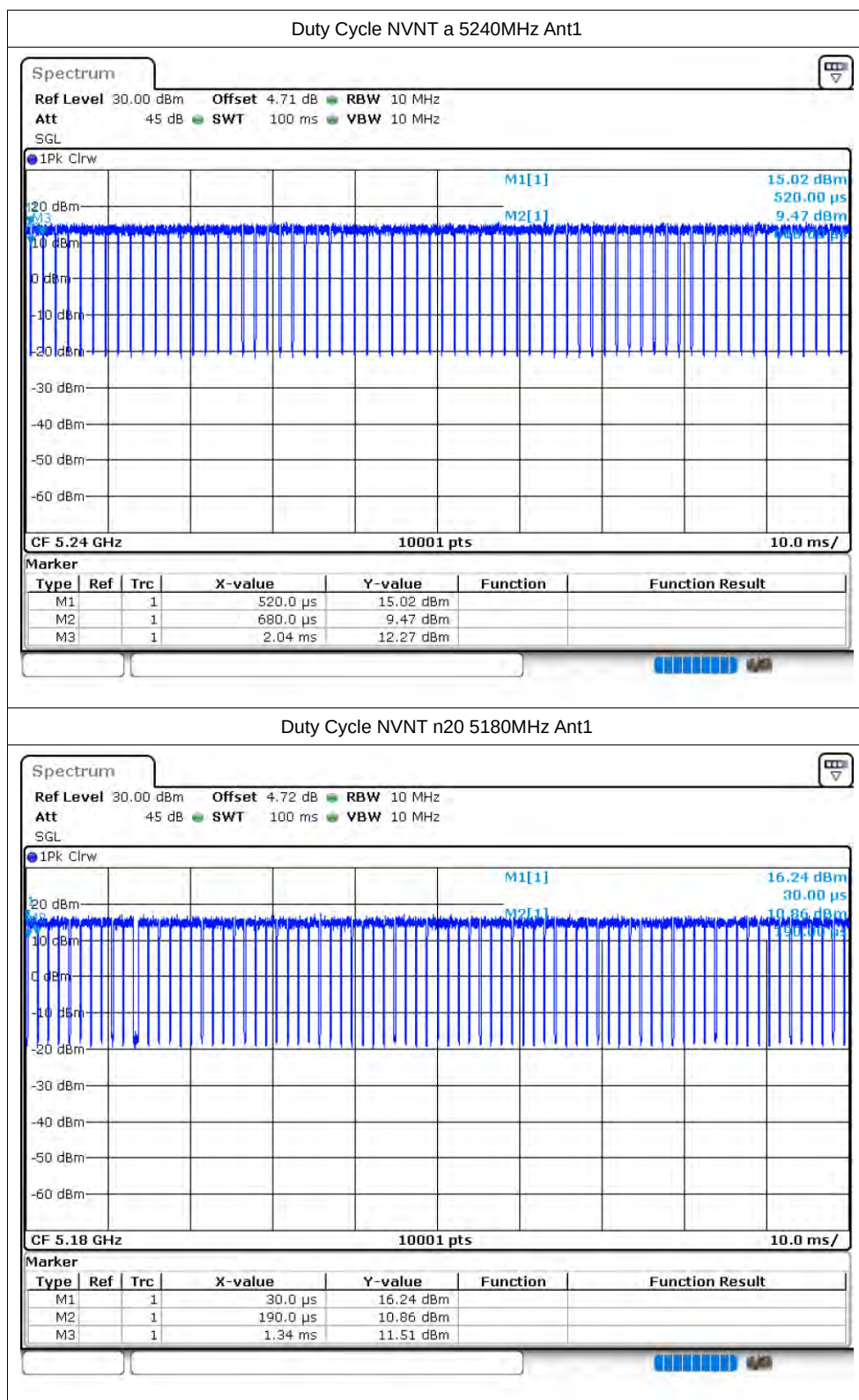
Test Graphs

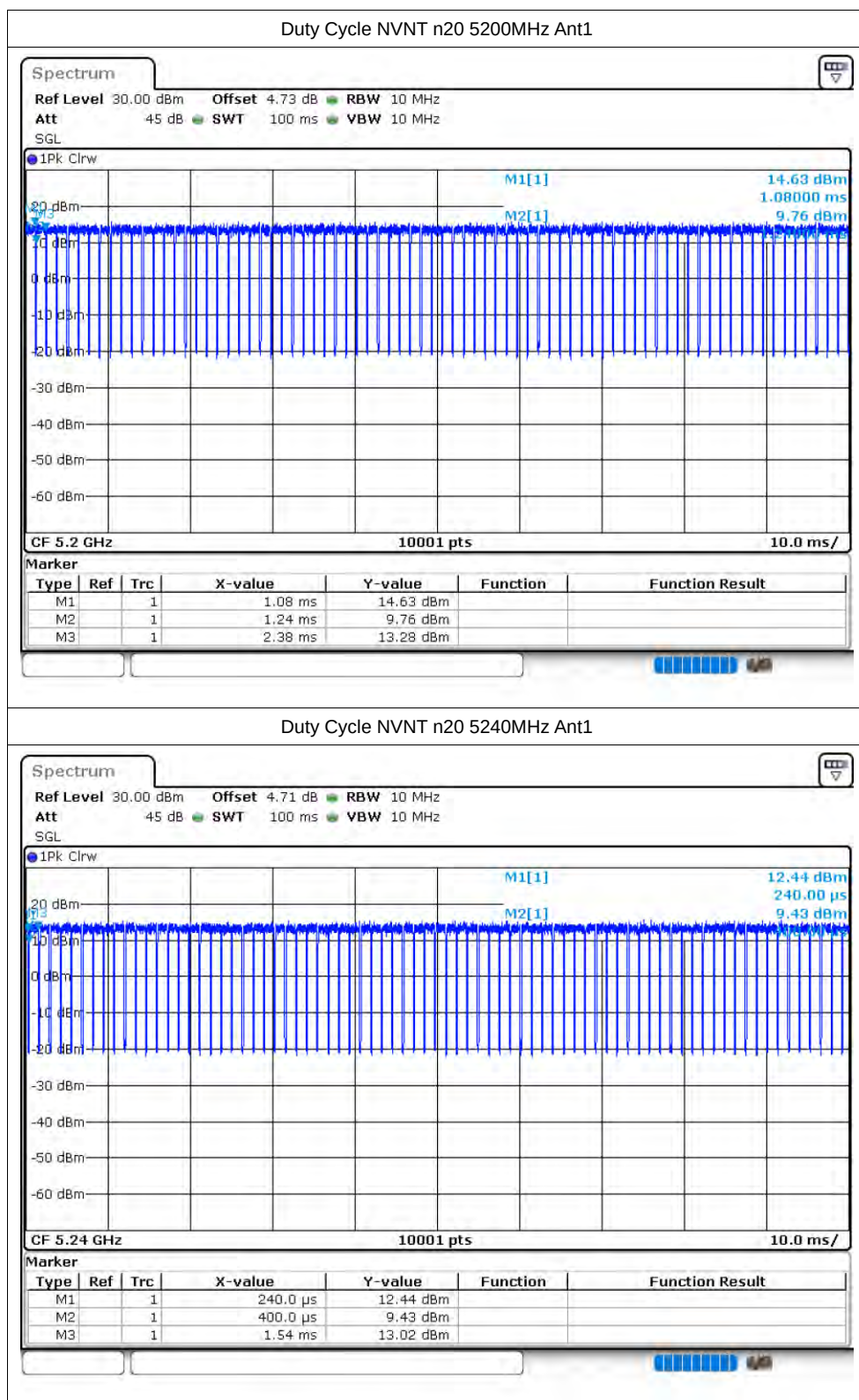
Duty Cycle NVNT a 5180MHz Ant1

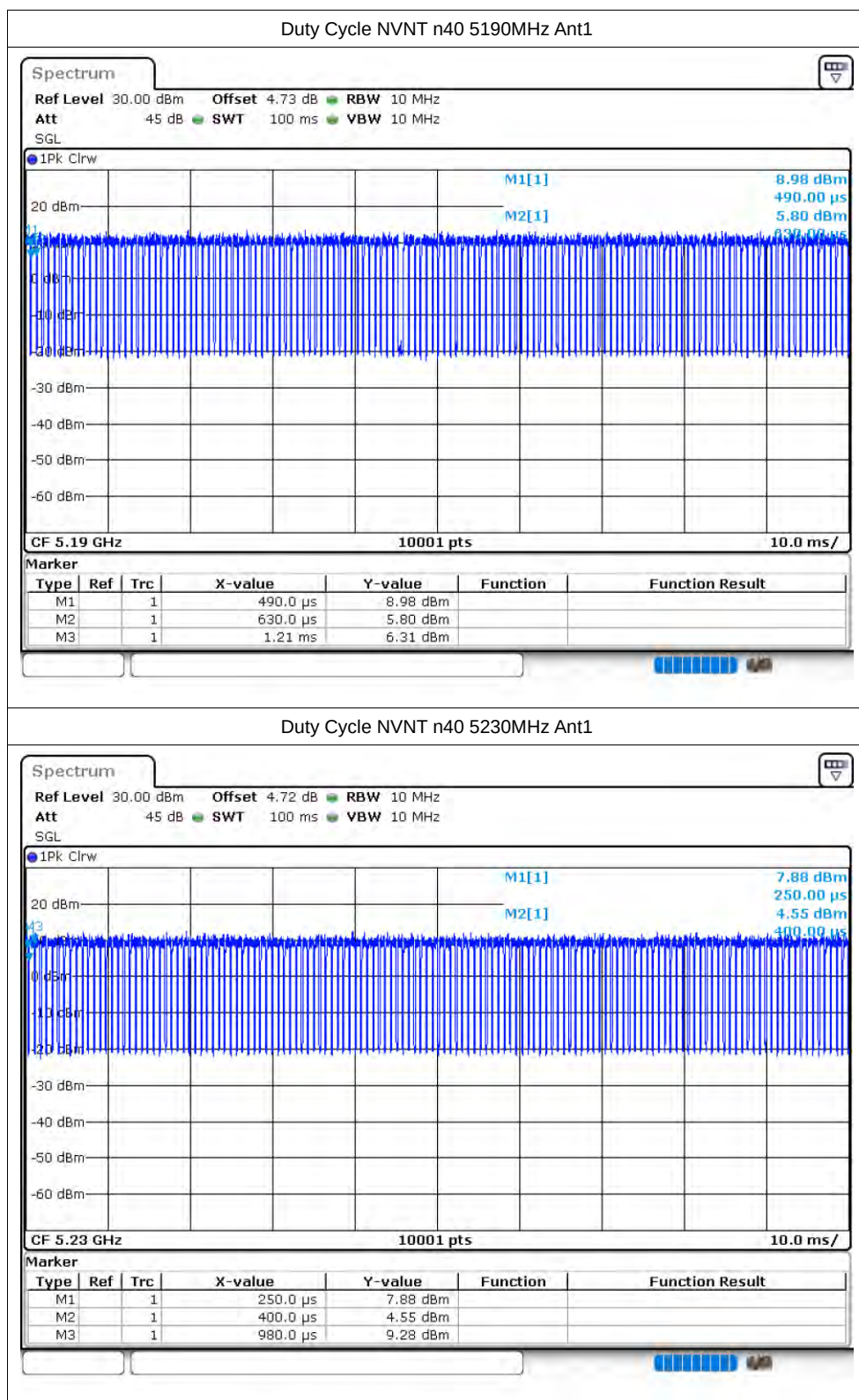


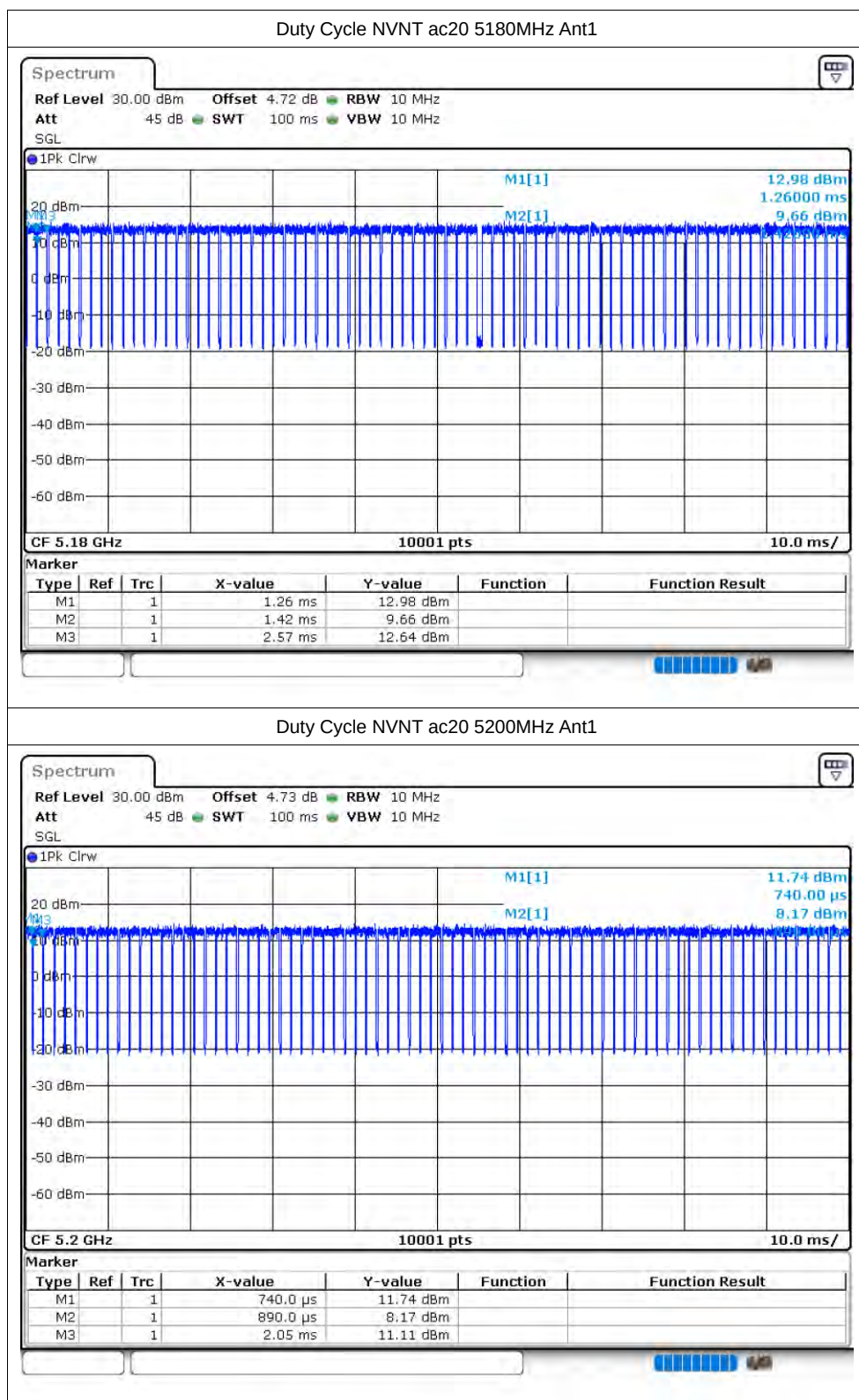
Duty Cycle NVNT a 5200MHz Ant1



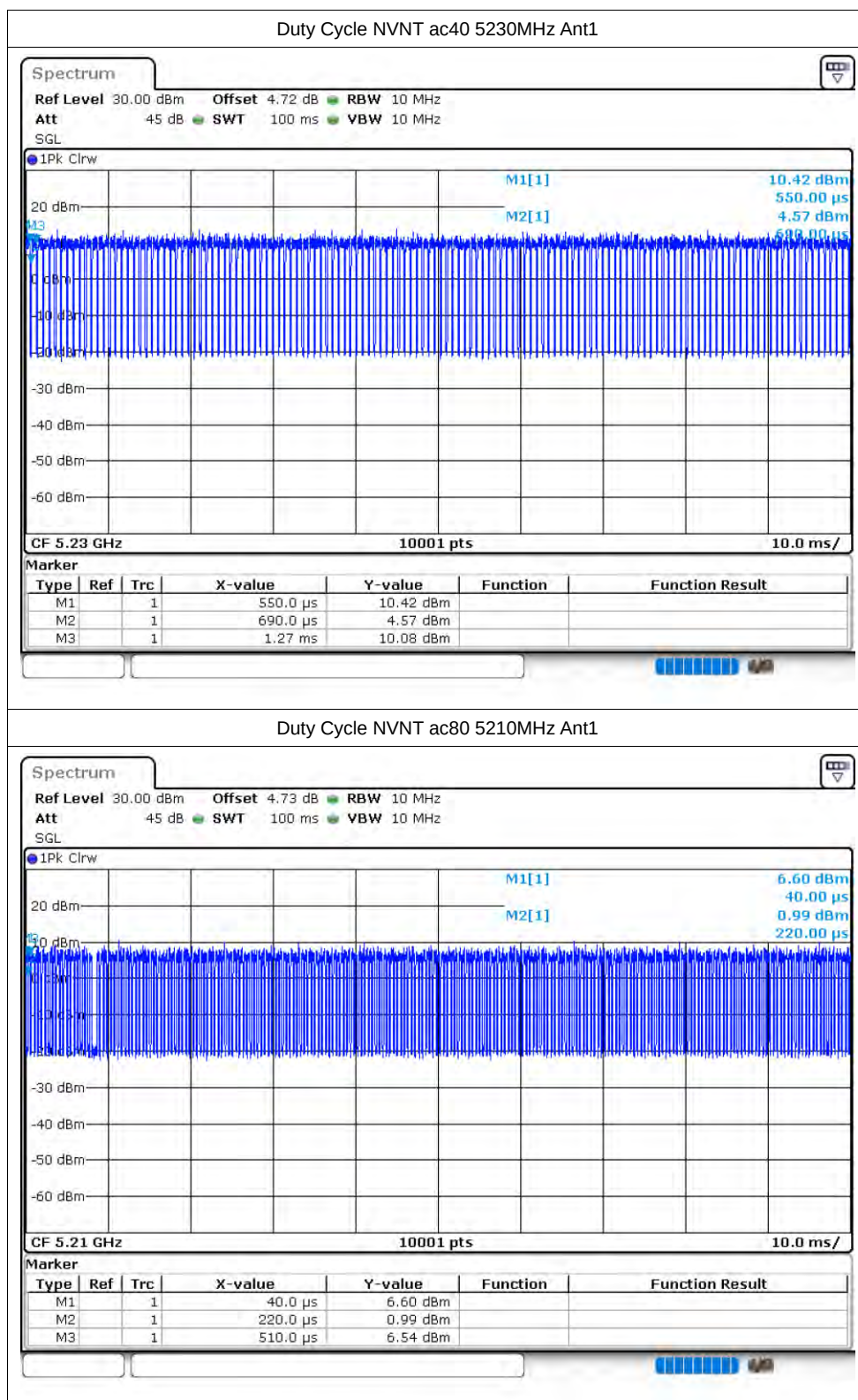












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.33	24	Pass
NVNT	a	5200	Ant1	9.89	24	Pass
NVNT	a	5240	Ant1	9.6	24	Pass
NVNT	n20	5180	Ant1	10	24	Pass
NVNT	n20	5200	Ant1	9.59	24	Pass
NVNT	n20	5240	Ant1	9.47	24	Pass
NVNT	n40	5190	Ant1	9.43	24	Pass
NVNT	n40	5230	Ant1	9.06	24	Pass
NVNT	ac20	5180	Ant1	9.02	24	Pass
NVNT	ac20	5200	Ant1	8.79	24	Pass
NVNT	ac20	5240	Ant1	8.48	24	Pass
NVNT	ac40	5190	Ant1	9.08	24	Pass
NVNT	ac40	5230	Ant1	8.63	24	Pass
NVNT	ac80	5210	Ant1	8.58	24	Pass

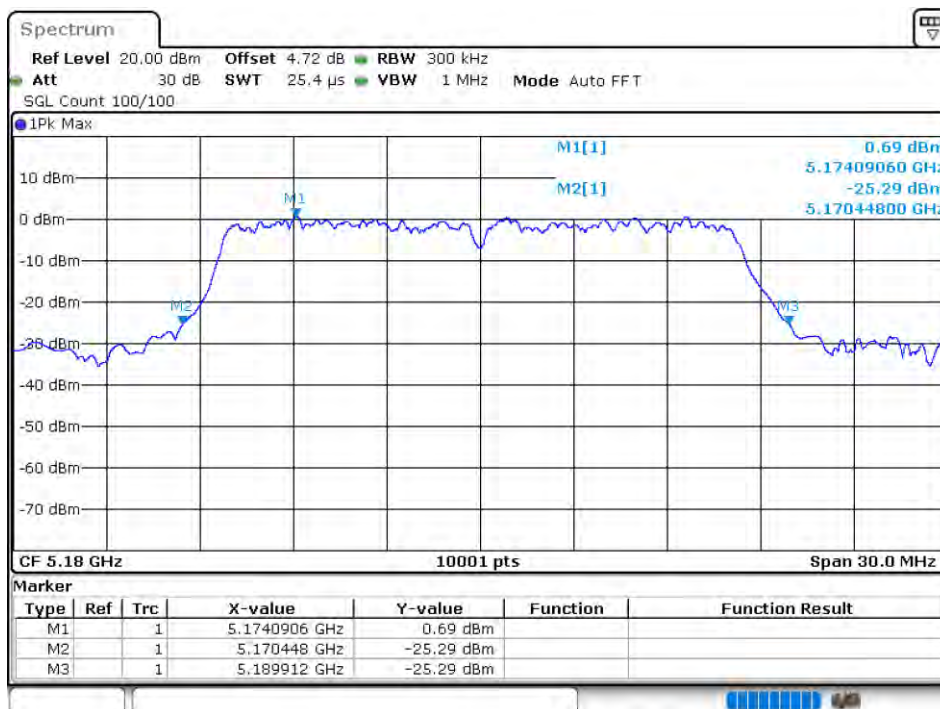
Note: The average power has contained duty cycle factor

-26dB Bandwidth

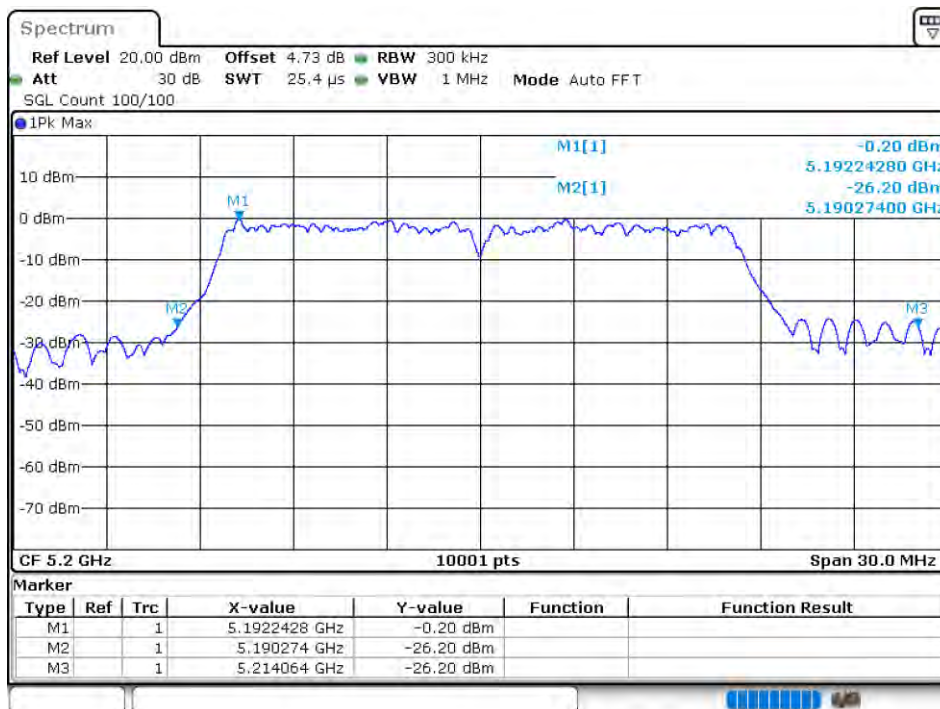
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.464	Pass
NVNT	a	5200	Ant1	23.79	Pass
NVNT	a	5240	Ant1	22.101	Pass
NVNT	n20	5180	Ant1	24.657	Pass
NVNT	n20	5200	Ant1	24.981	Pass
NVNT	n20	5240	Ant1	26.847	Pass
NVNT	n40	5190	Ant1	59.676	Pass
NVNT	n40	5230	Ant1	59.094	Pass
NVNT	ac20	5180	Ant1	23.343	Pass
NVNT	ac20	5200	Ant1	28.485	Pass
NVNT	ac20	5240	Ant1	25.086	Pass
NVNT	ac40	5190	Ant1	59.64	Pass
NVNT	ac40	5230	Ant1	57.27	Pass
NVNT	ac80	5210	Ant1	103.812	Pass

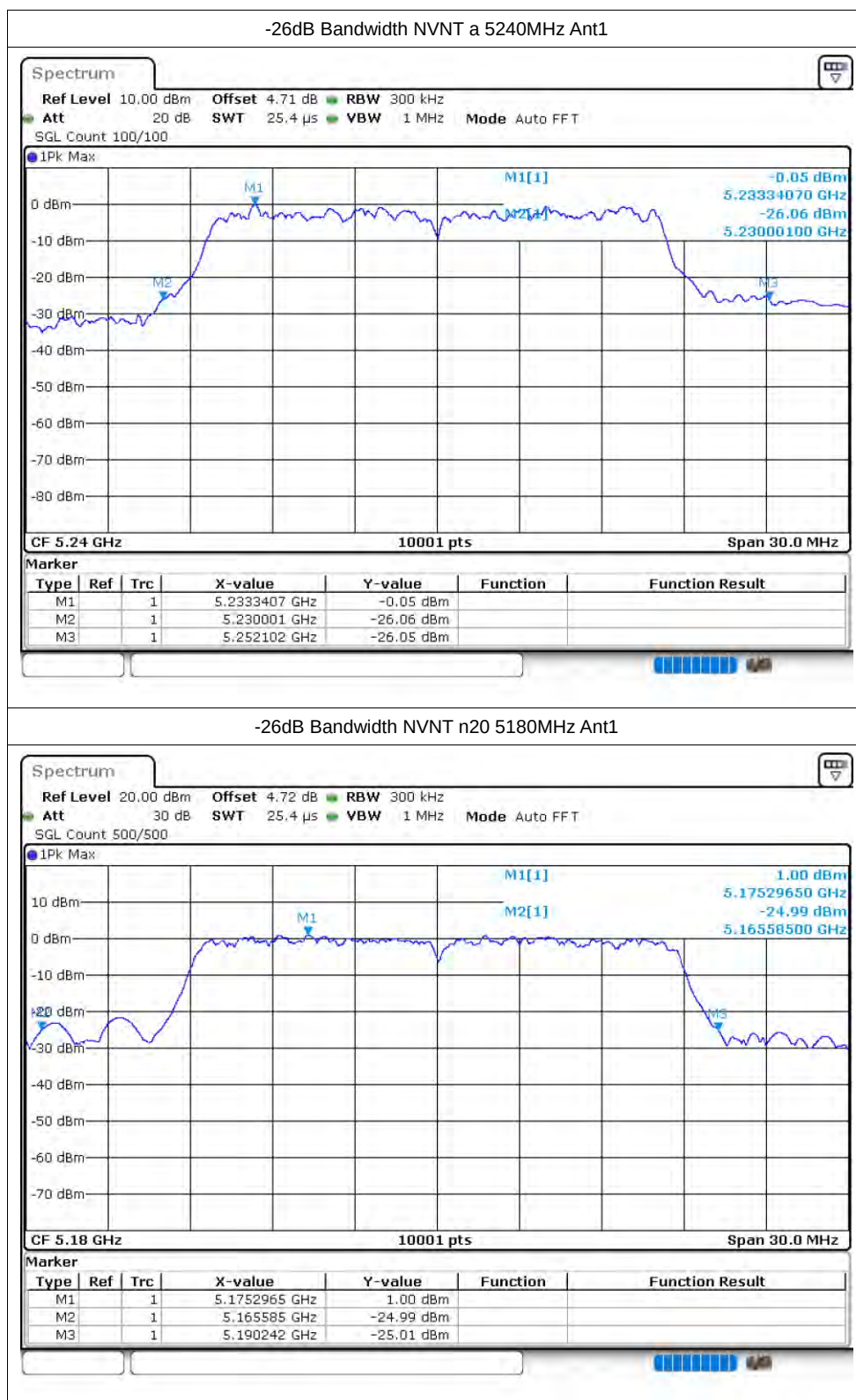
Test Graphs

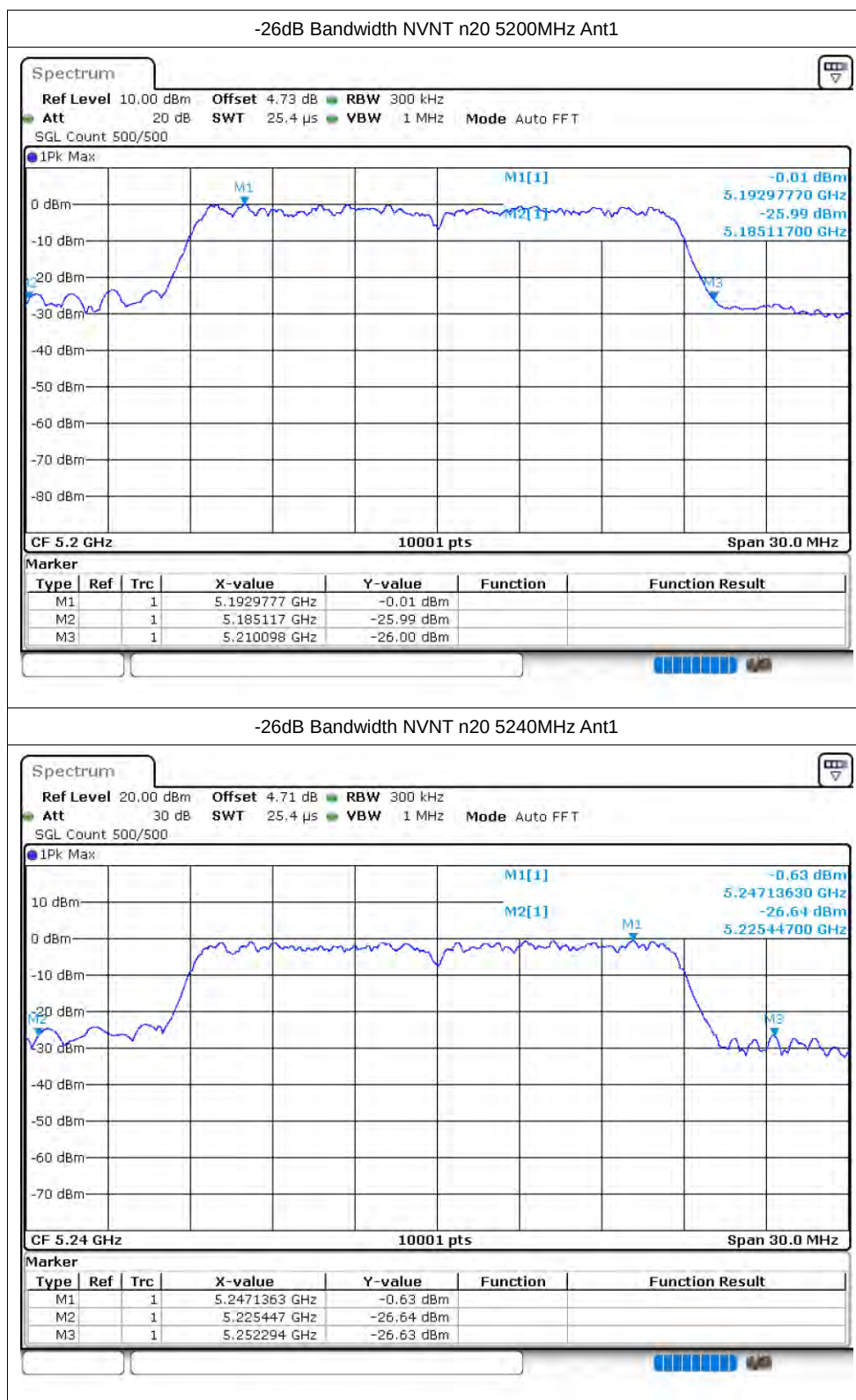
-26dB Bandwidth NVNT a 5180MHz Ant1

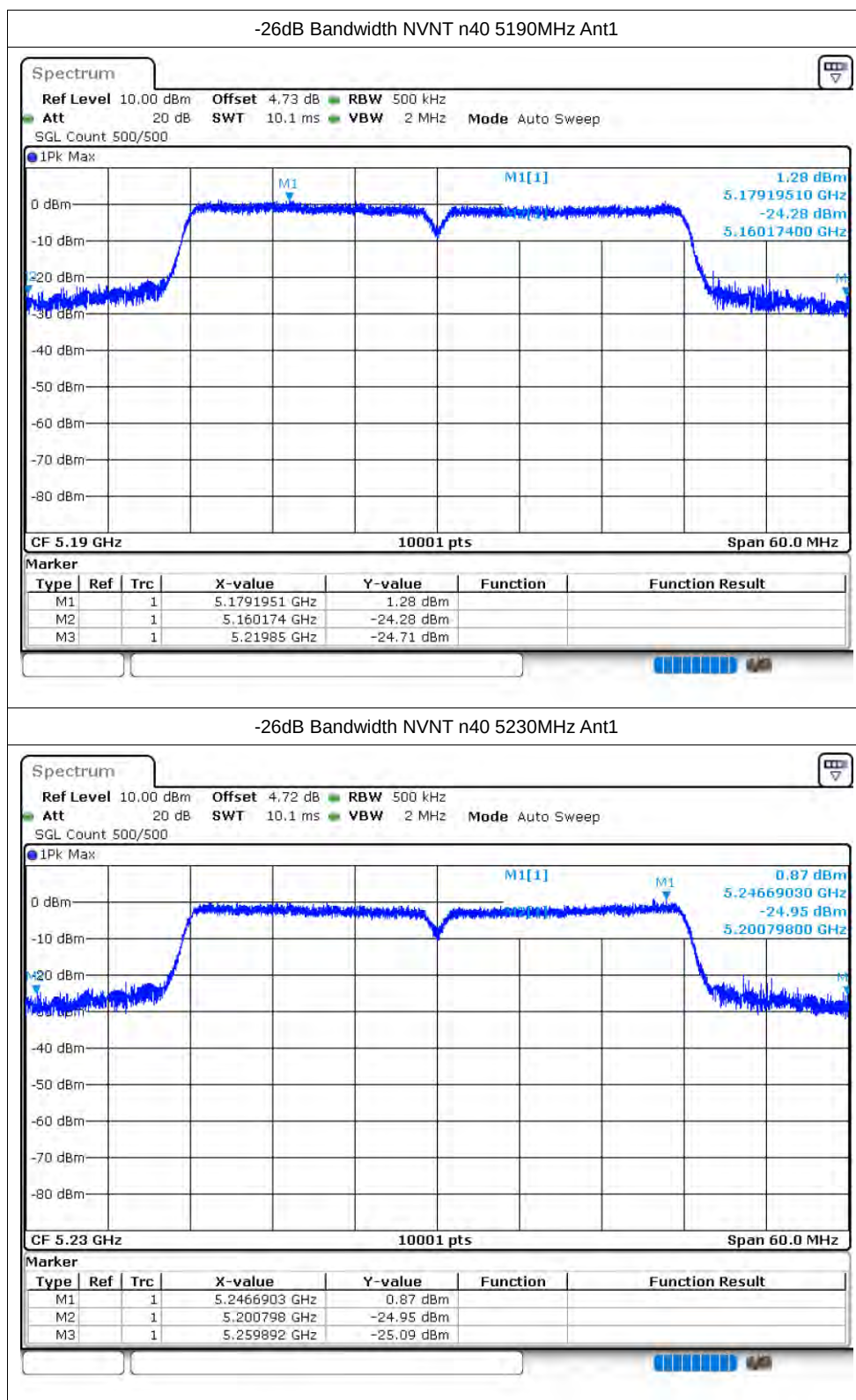


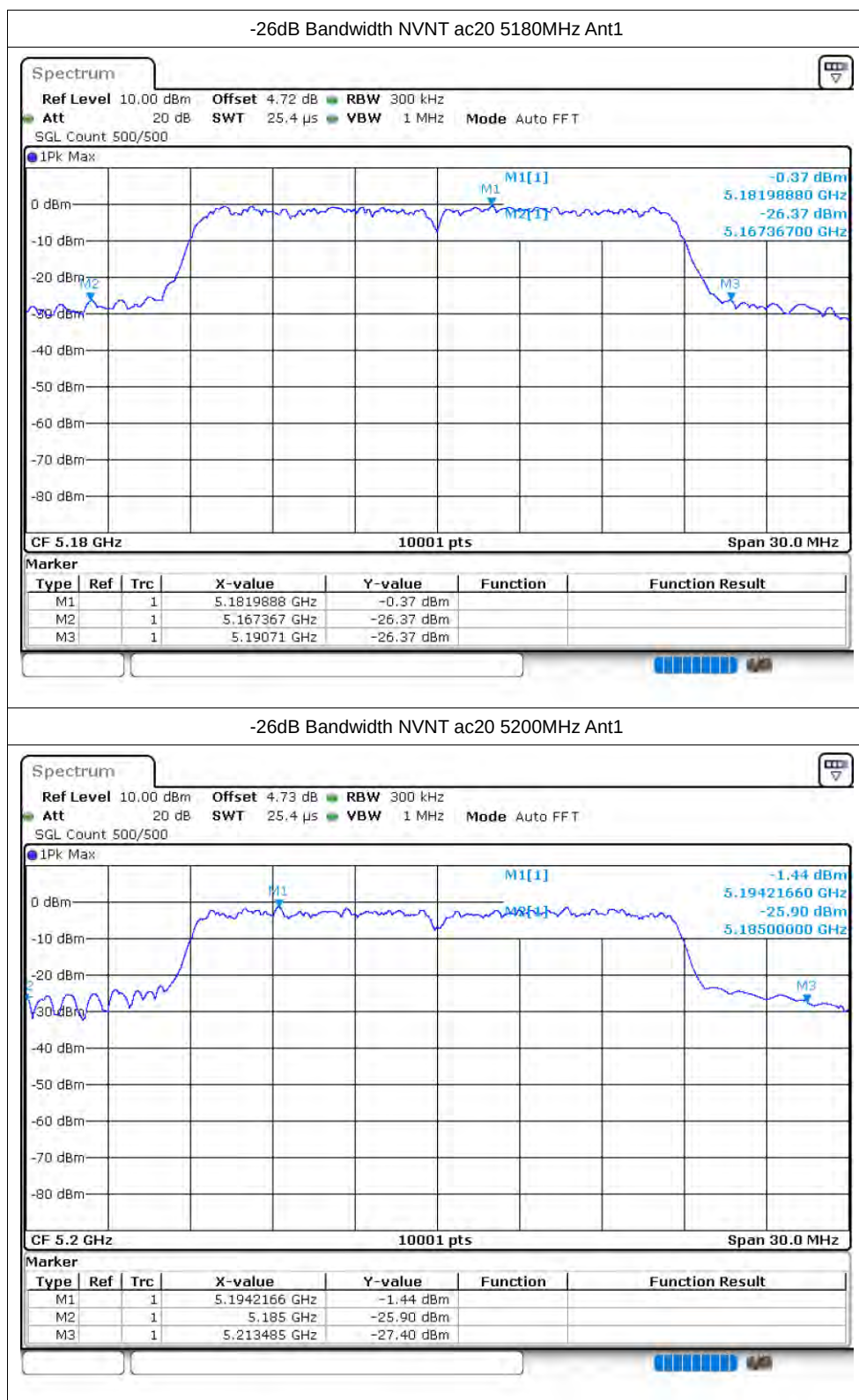
-26dB Bandwidth NVNT a 5200MHz Ant1

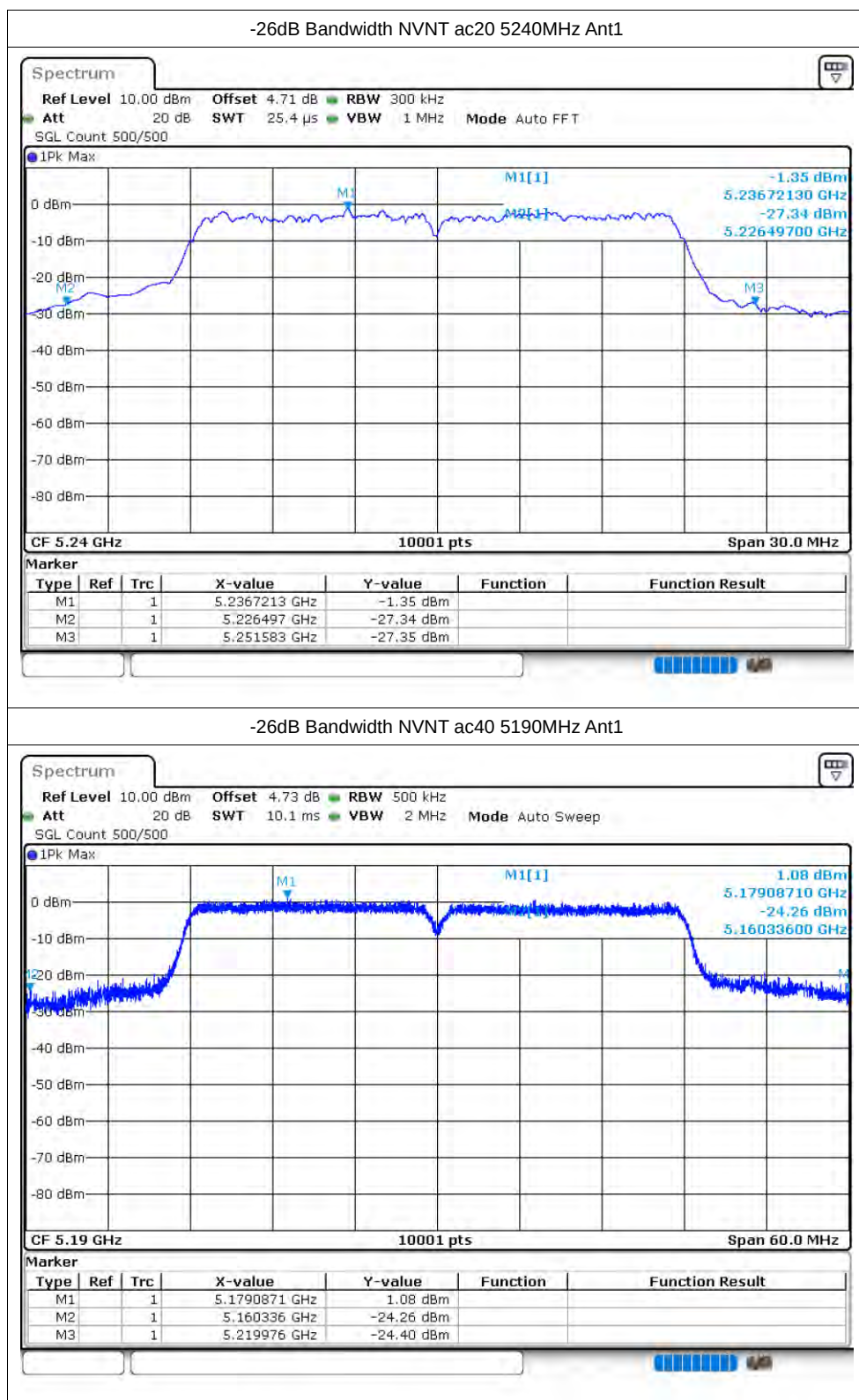


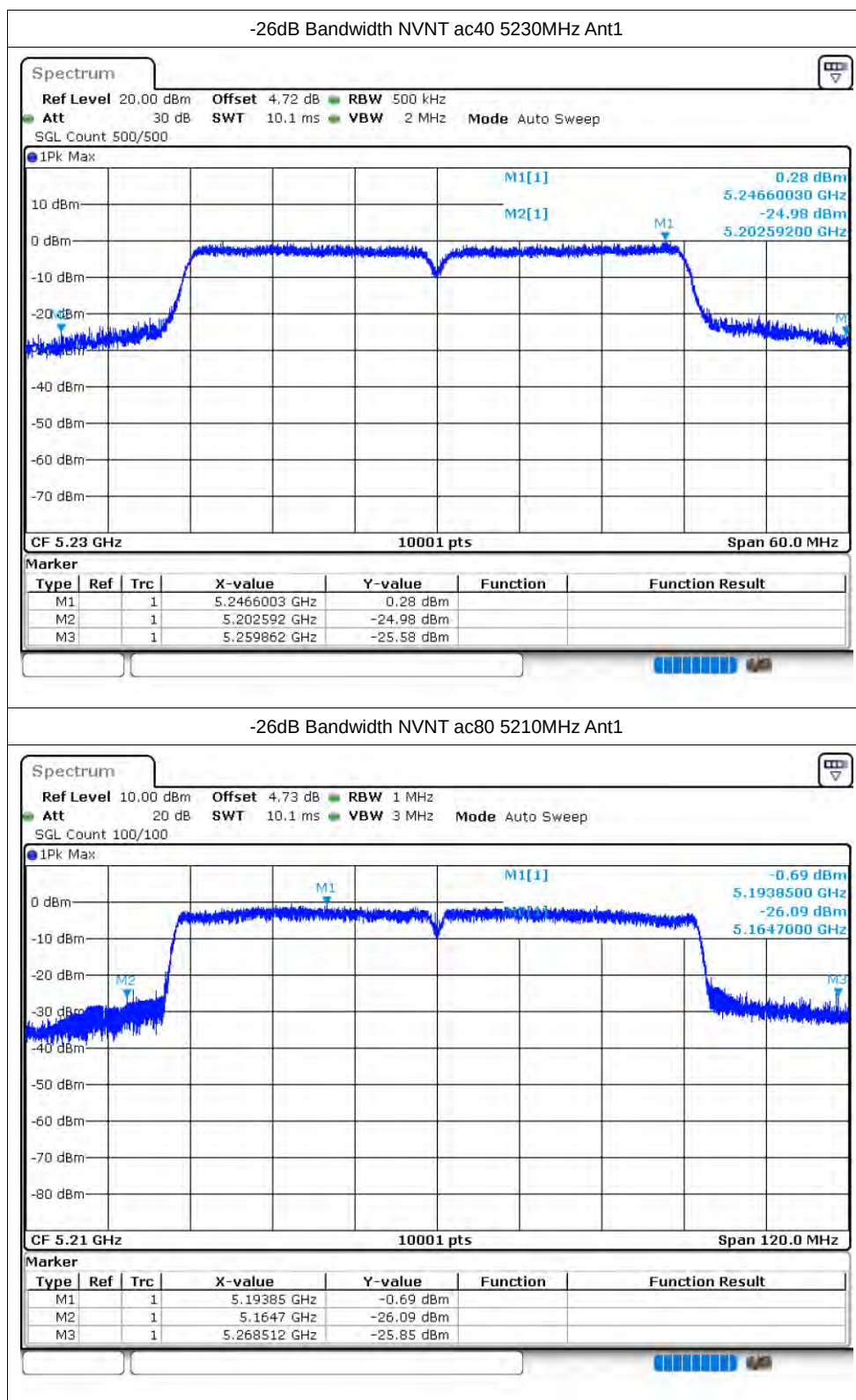












Occupied Channel Bandwidth

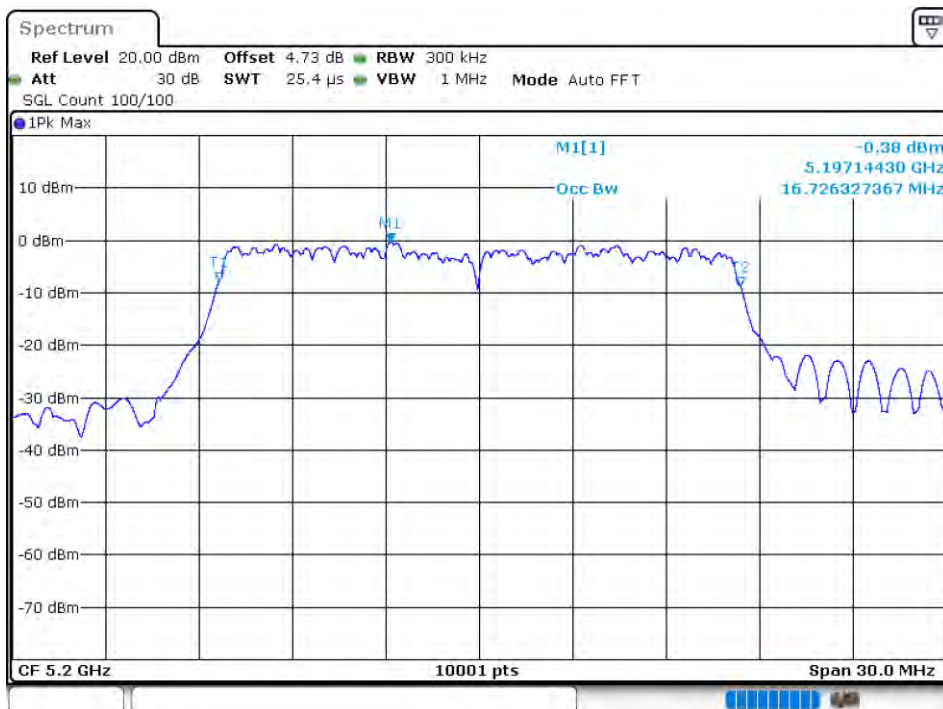
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.747
NVNT	a	5200	Ant1	16.726
NVNT	a	5240	Ant1	16.714
NVNT	n20	5180	Ant1	17.701
NVNT	n20	5200	Ant1	17.731
NVNT	n20	5240	Ant1	17.674
NVNT	n40	5190	Ant1	36.5
NVNT	n40	5230	Ant1	36.554
NVNT	ac20	5180	Ant1	17.683
NVNT	ac20	5200	Ant1	17.974
NVNT	ac20	5240	Ant1	17.734
NVNT	ac40	5190	Ant1	36.524
NVNT	ac40	5230	Ant1	36.548
NVNT	ac80	5210	Ant1	75.556

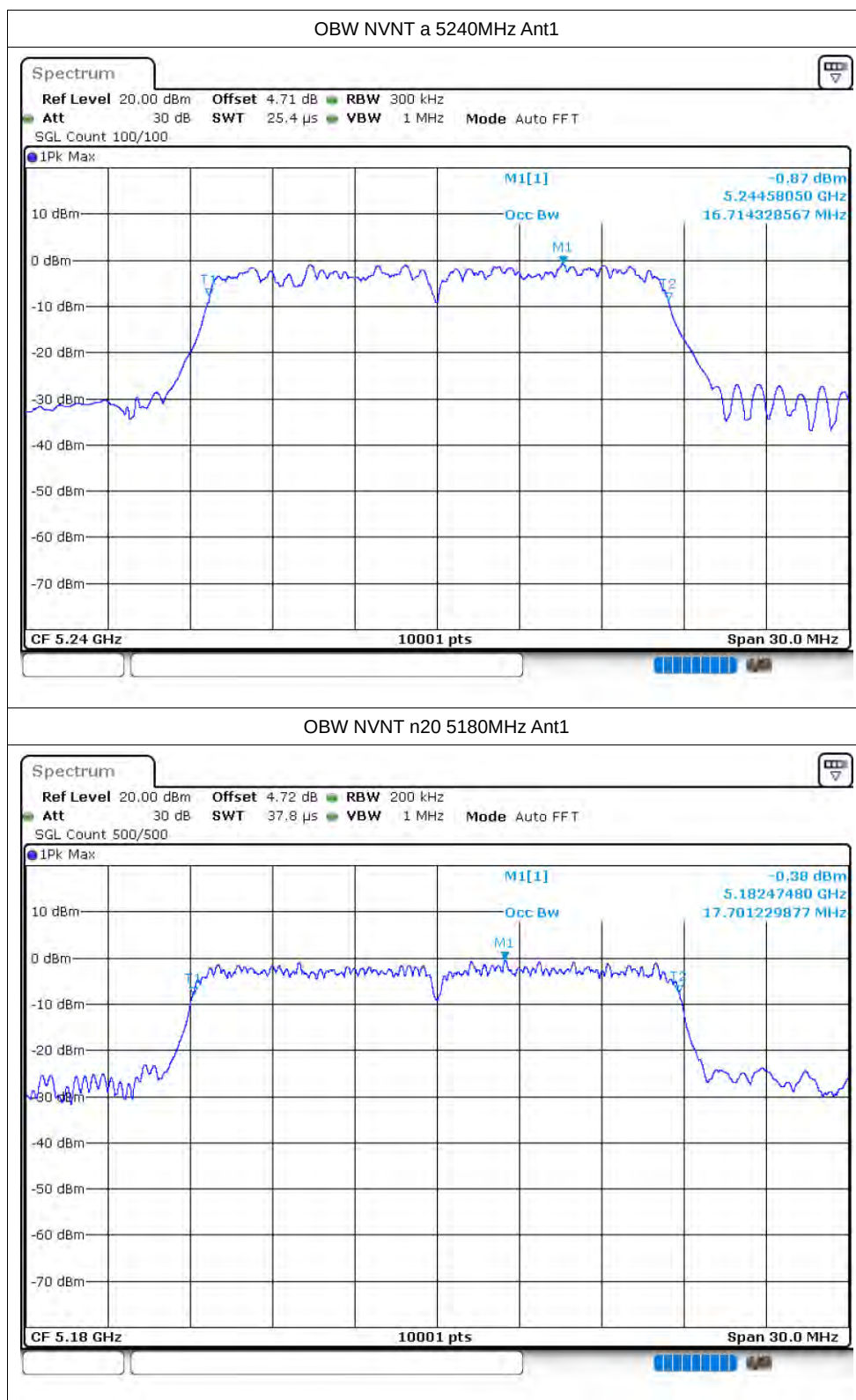
Test Graphs

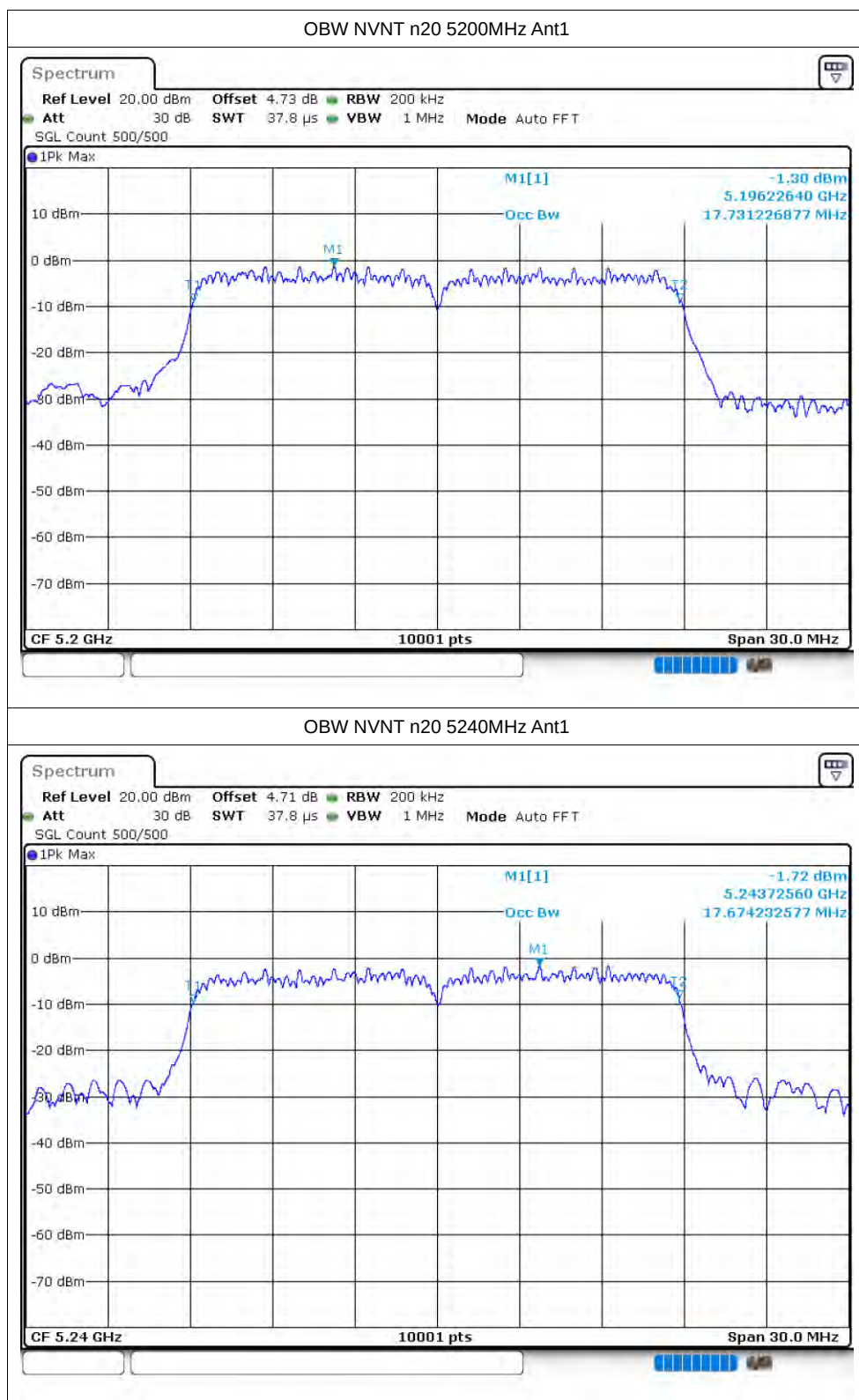
OBW NVNT a 5180MHz Ant1

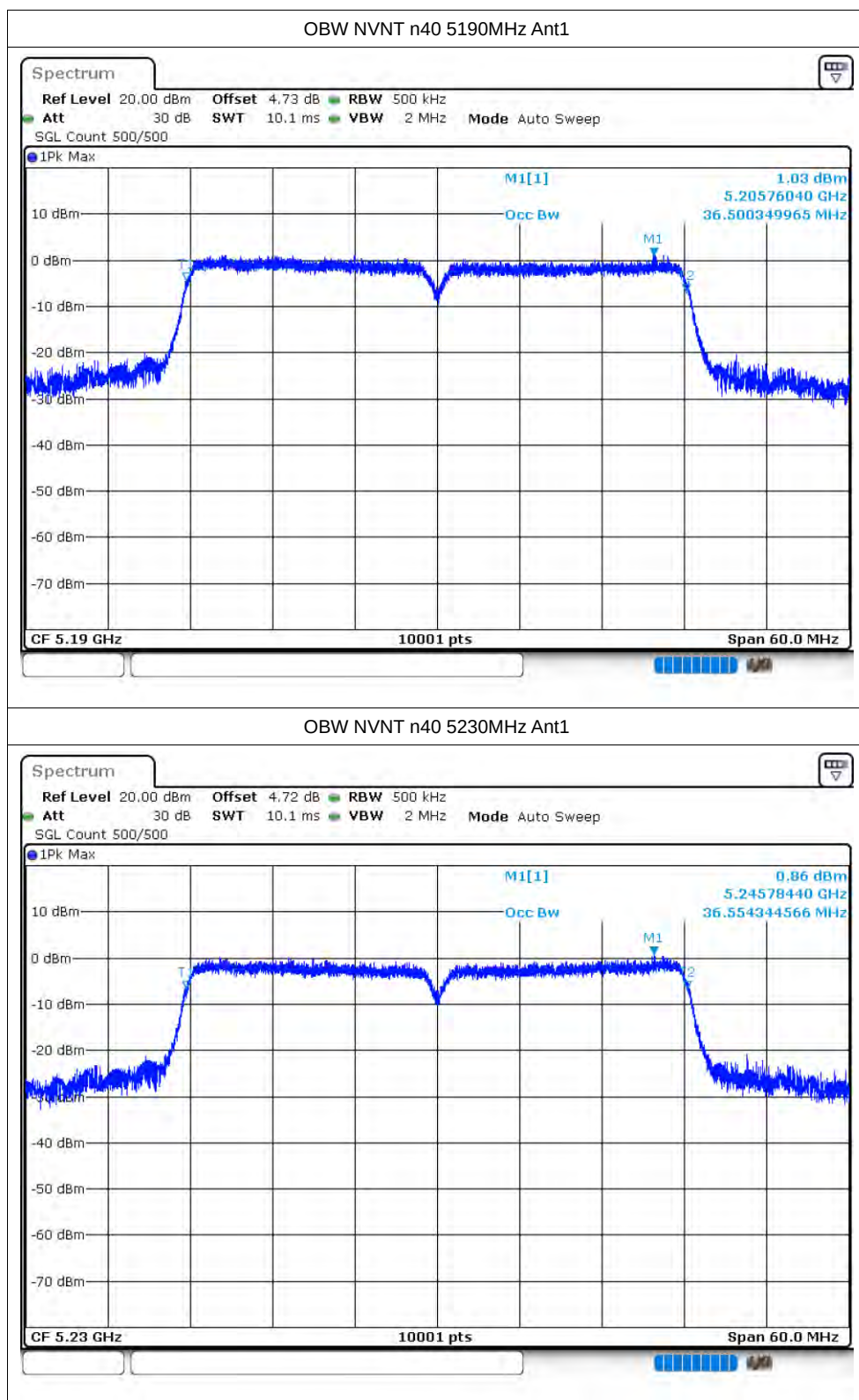


OBW NVNT a 5200MHz Ant1

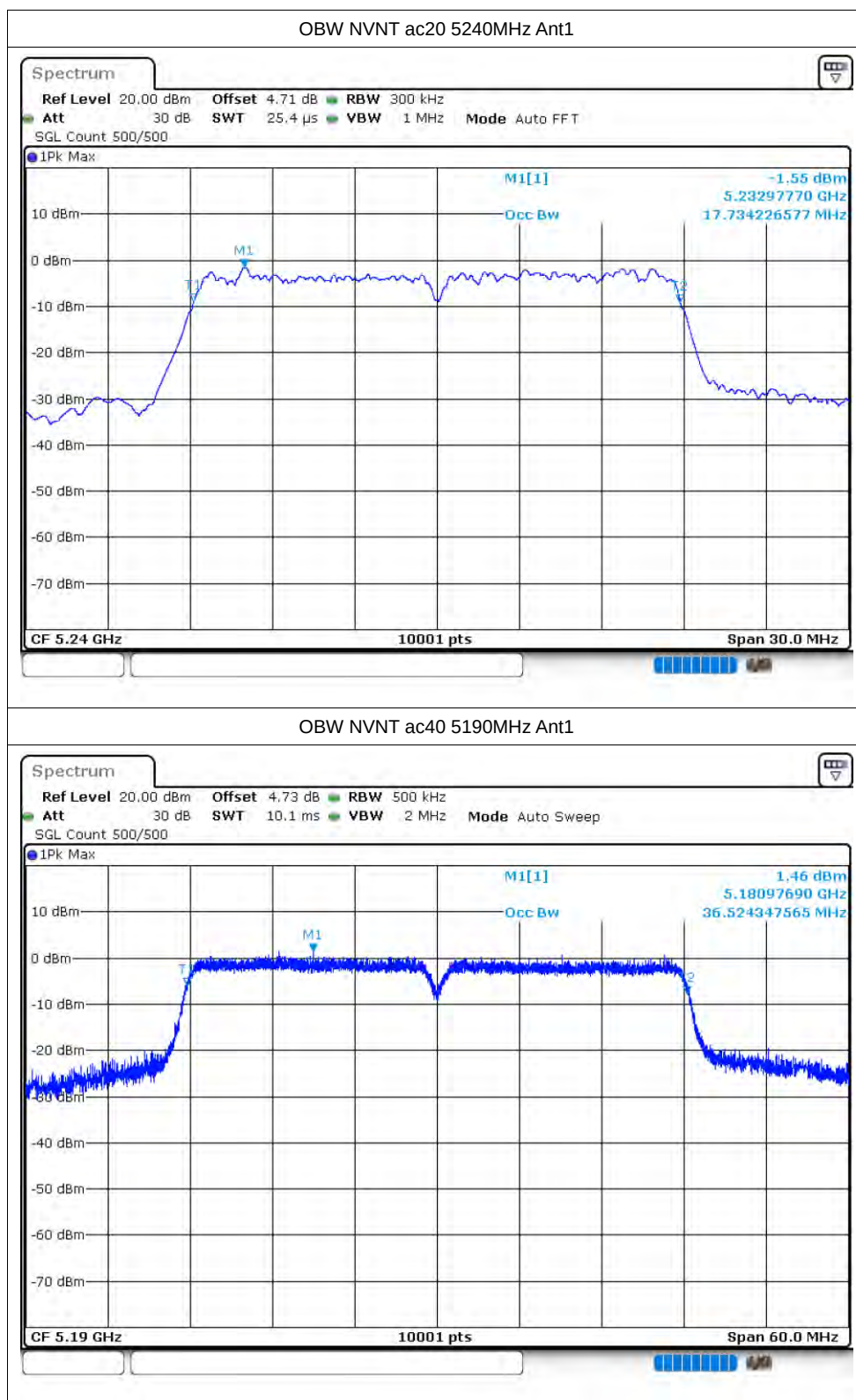


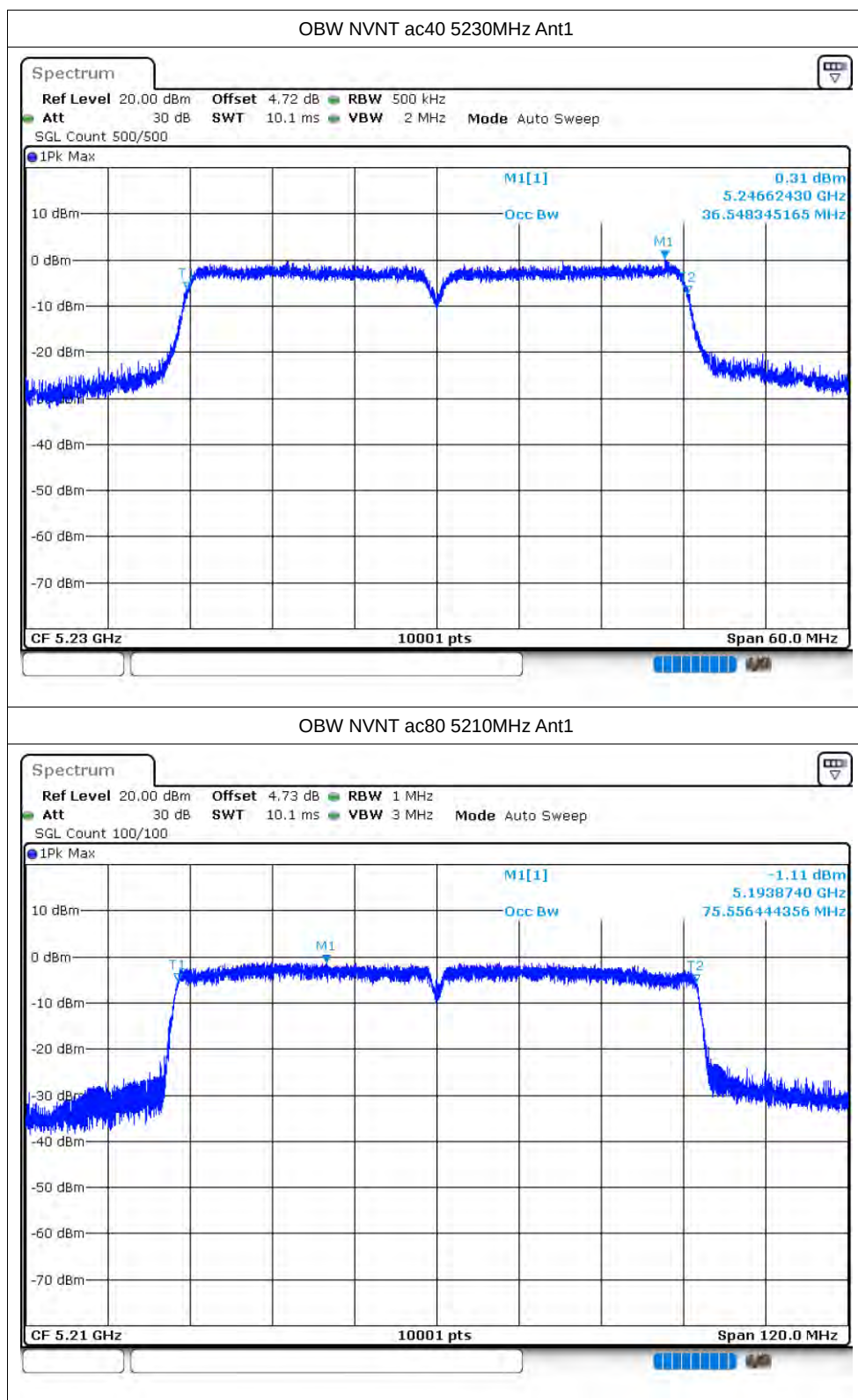










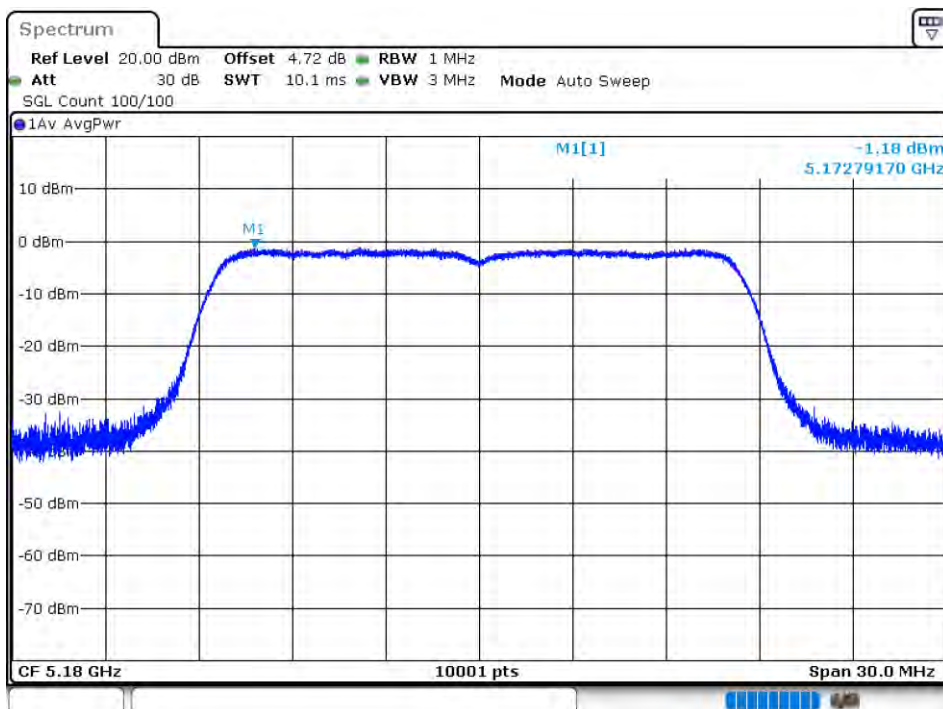


Maximum Power Spectral Density Level

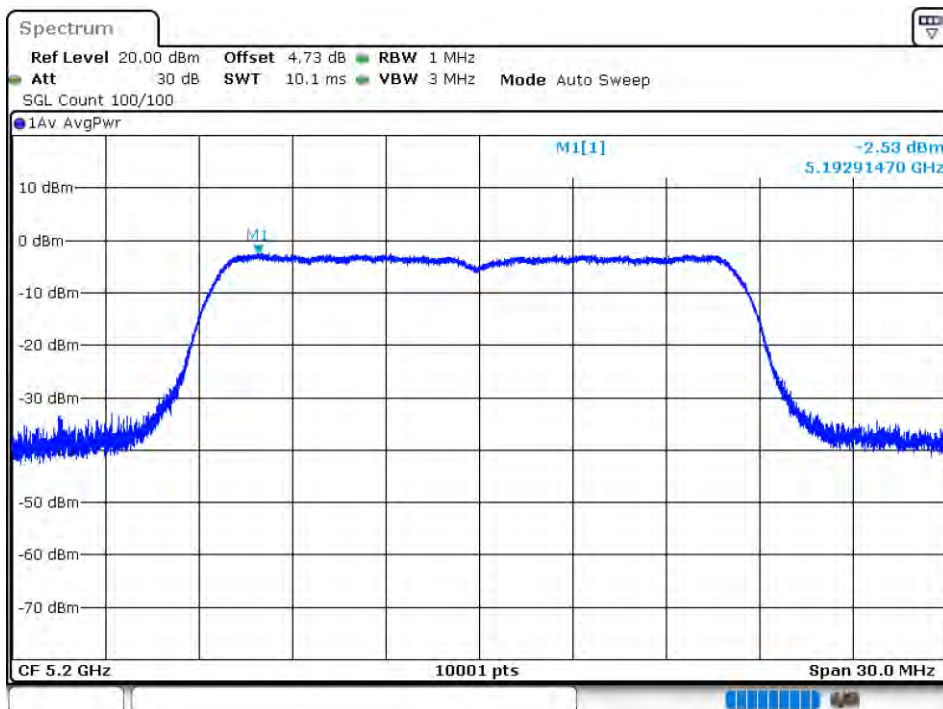
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-1.18	0.46	-0.72	11	Pass
NVNT	a	5200	Ant1	-2.53	0.44	-2.09	11	Pass
NVNT	a	5240	Ant1	-2.93	0.44	-2.49	11	Pass
NVNT	n20	5180	Ant1	-2.18	0.53	-1.65	11	Pass
NVNT	n20	5200	Ant1	-3.21	0.5	-2.71	11	Pass
NVNT	n20	5240	Ant1	-3.51	0.51	-3	11	Pass
NVNT	n40	5190	Ant1	-6.11	0.96	-5.15	11	Pass
NVNT	n40	5230	Ant1	-7.1	0.94	-6.16	11	Pass
NVNT	ac20	5180	Ant1	-3.06	0.52	-2.54	11	Pass
NVNT	ac20	5200	Ant1	-4.44	0.49	-3.95	11	Pass
NVNT	ac20	5240	Ant1	-4.36	0.5	-3.86	11	Pass
NVNT	ac40	5190	Ant1	-6.67	0.92	-5.75	11	Pass
NVNT	ac40	5230	Ant1	-7.83	0.92	-6.91	11	Pass
NVNT	ac80	5210	Ant1	-11.2	1.66	-9.54	11	Pass

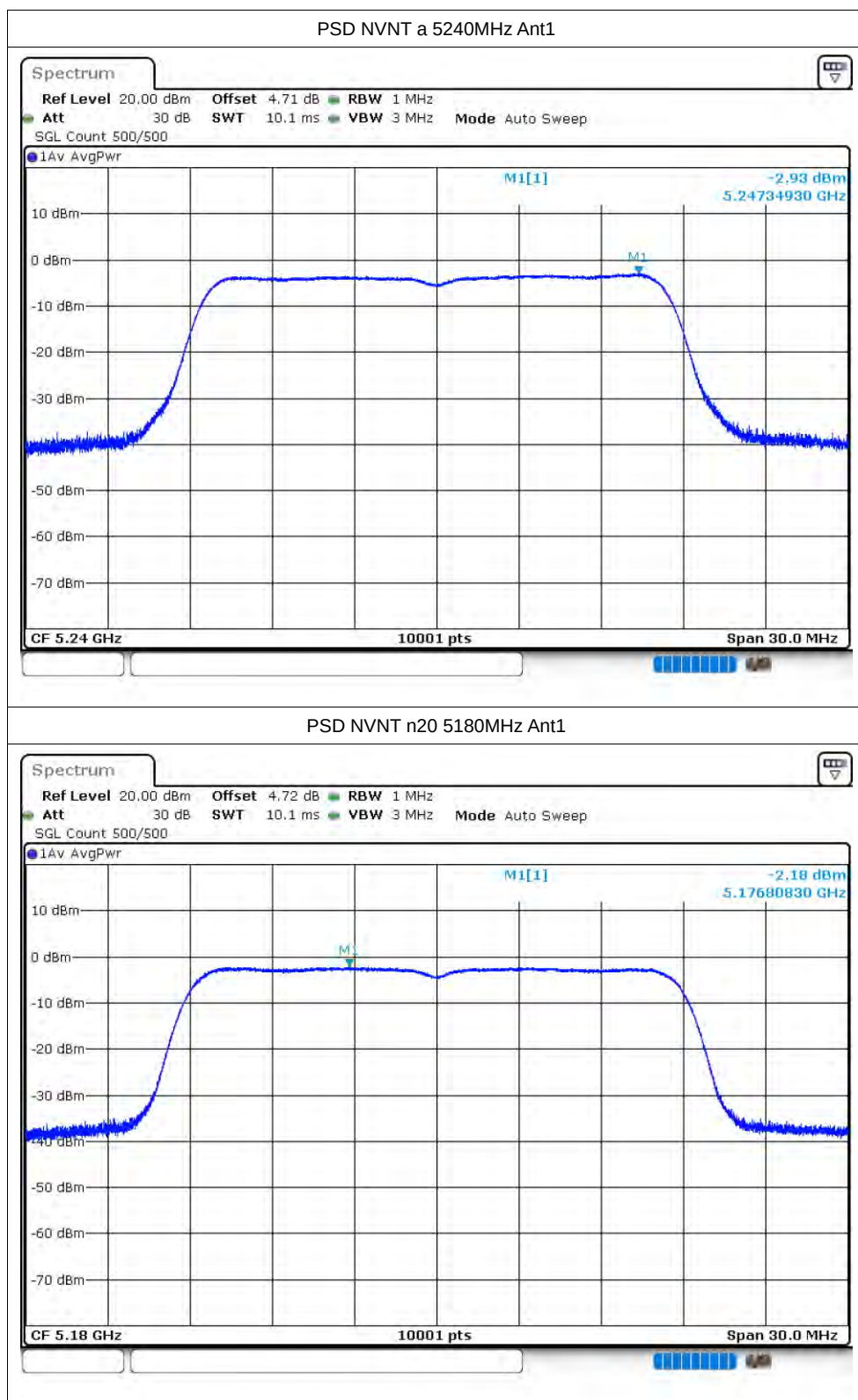
Test Graphs

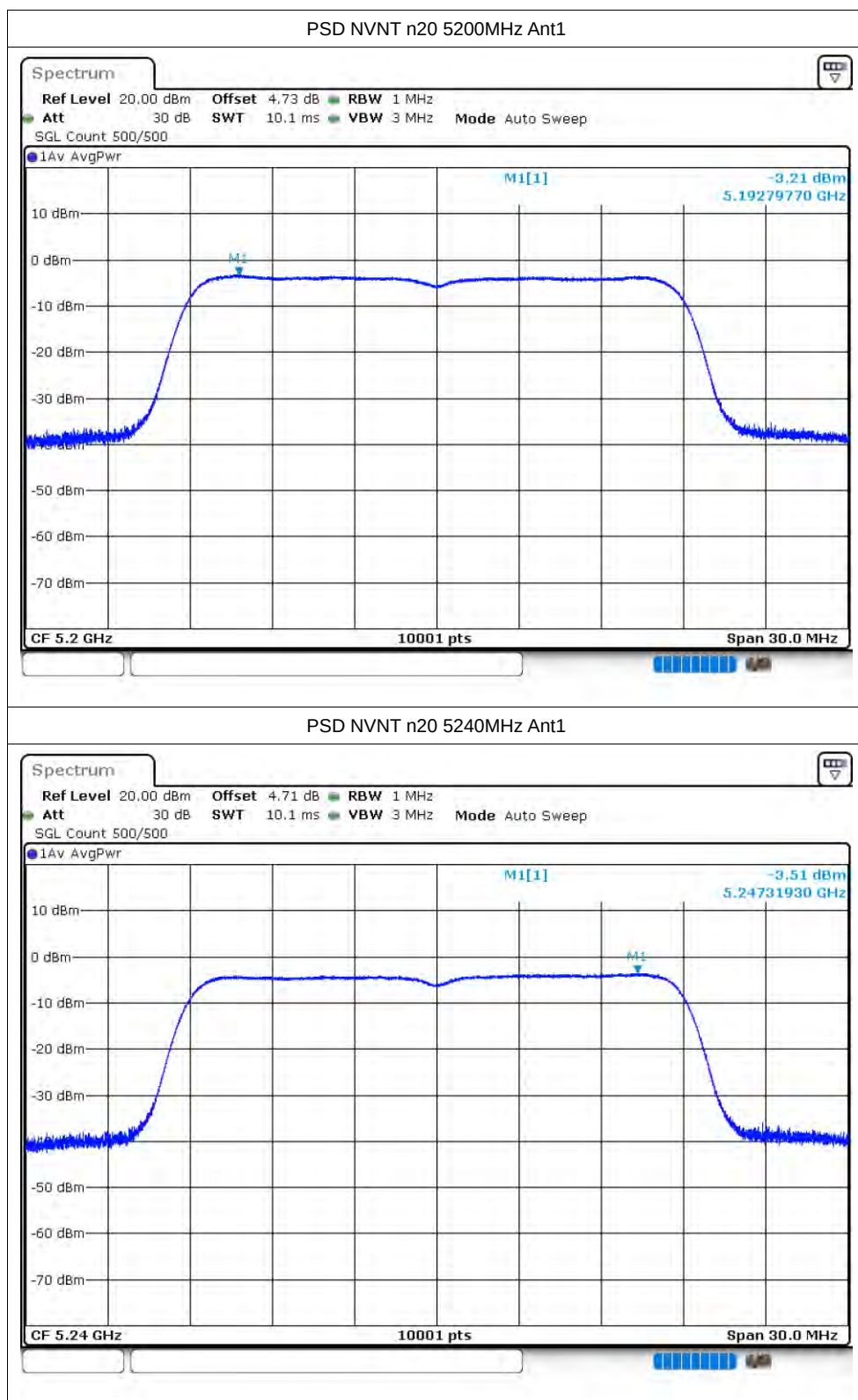
PSD NVNT a 5180MHz Ant1

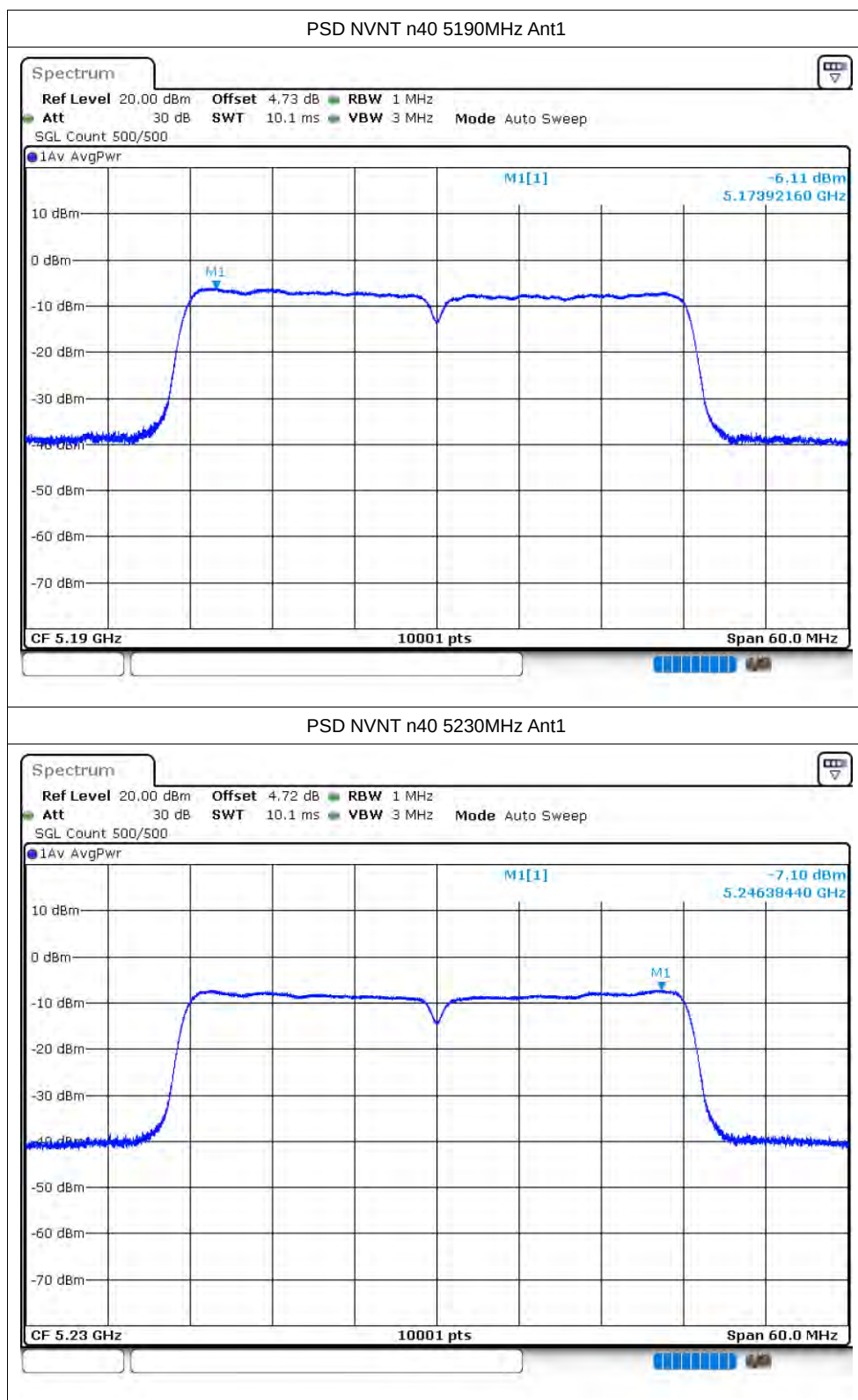


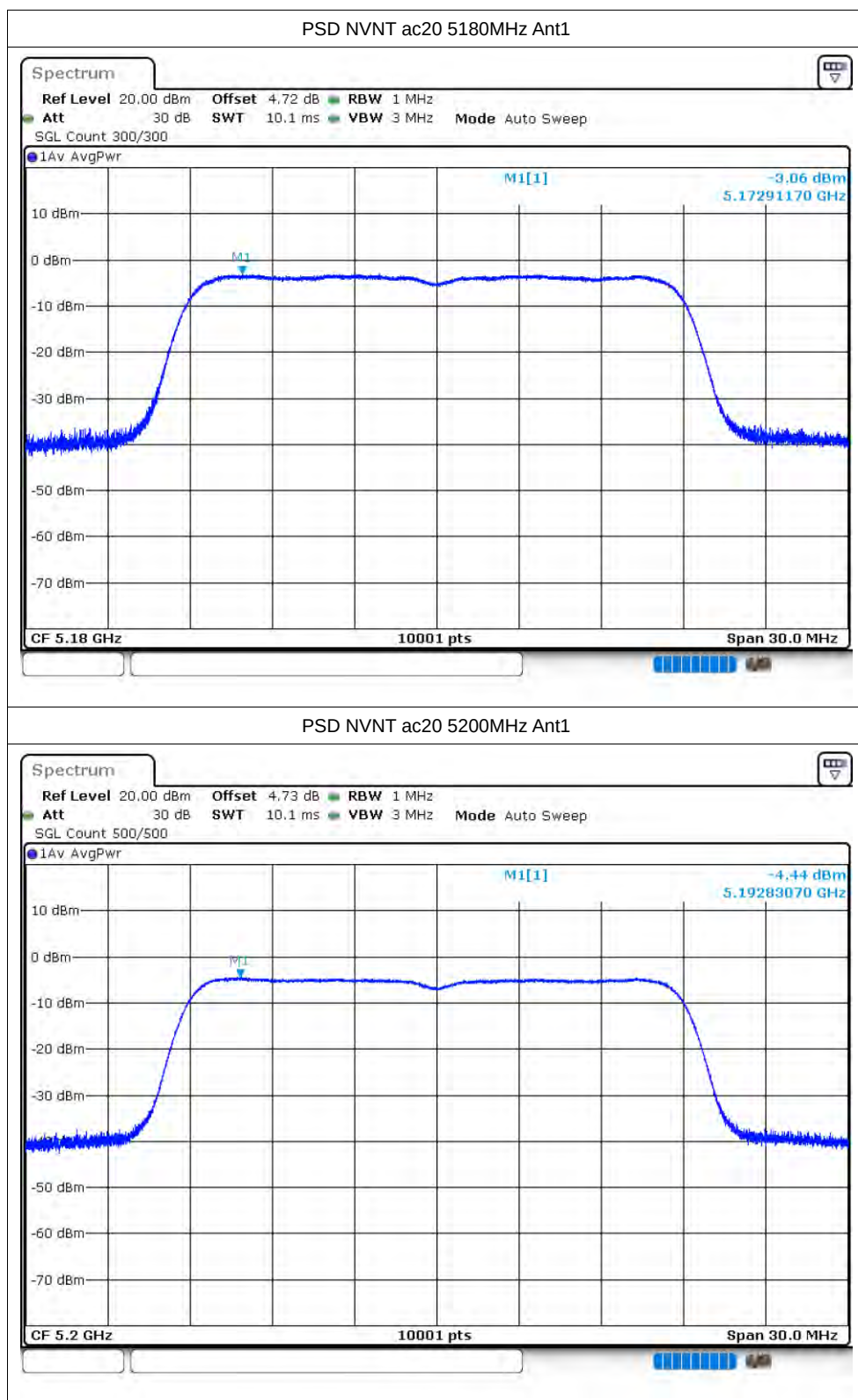
PSD NVNT a 5200MHz Ant1

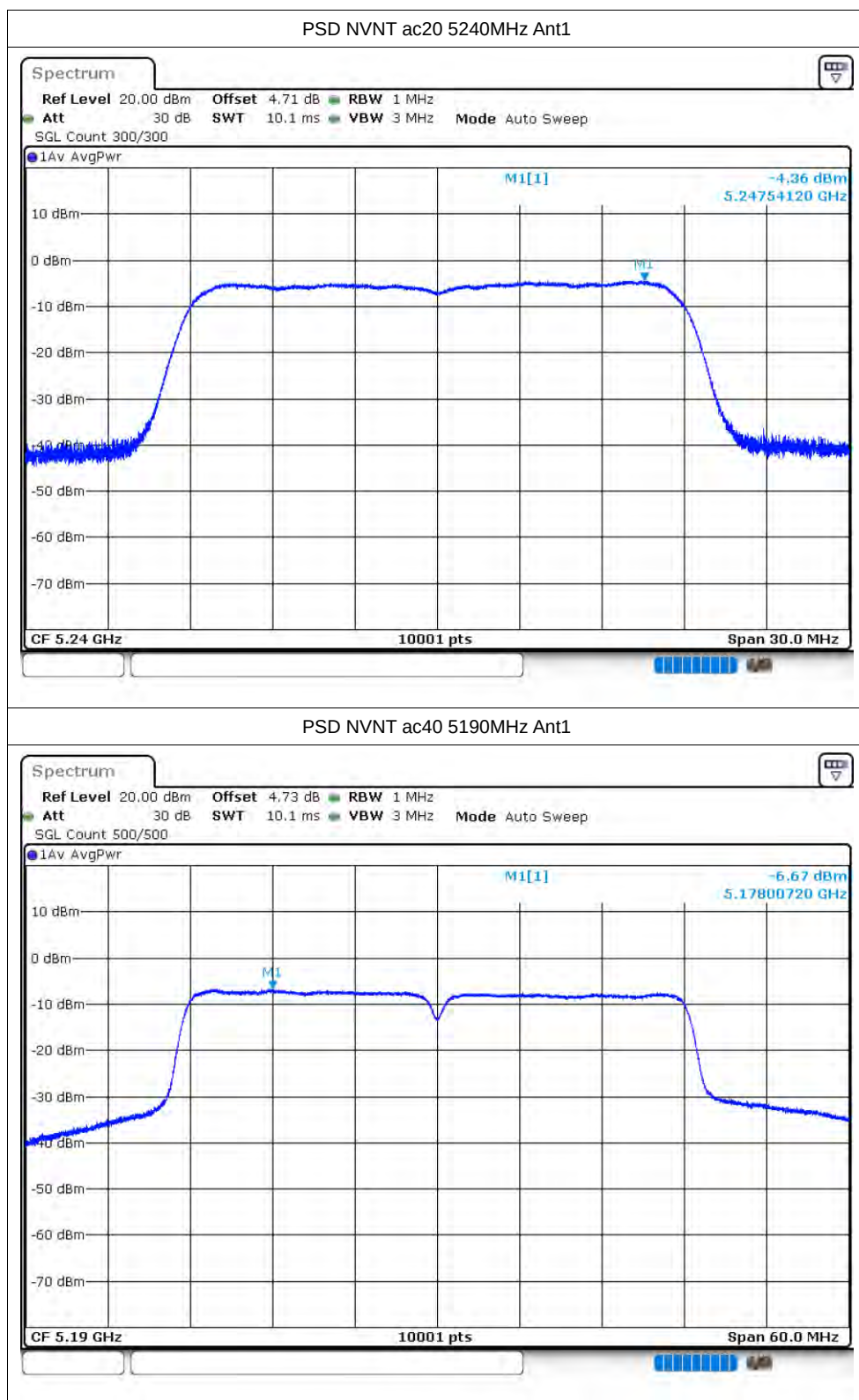


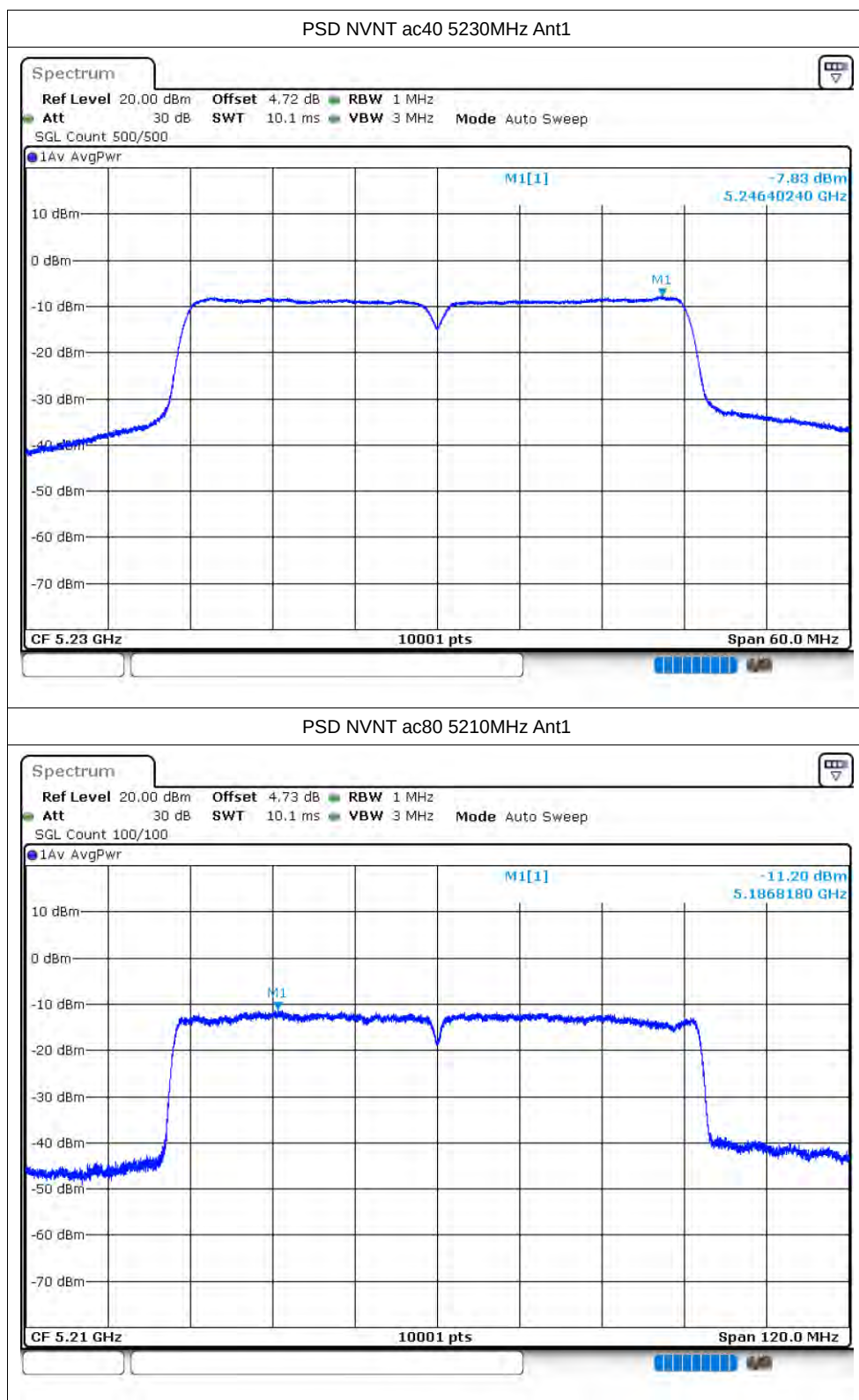










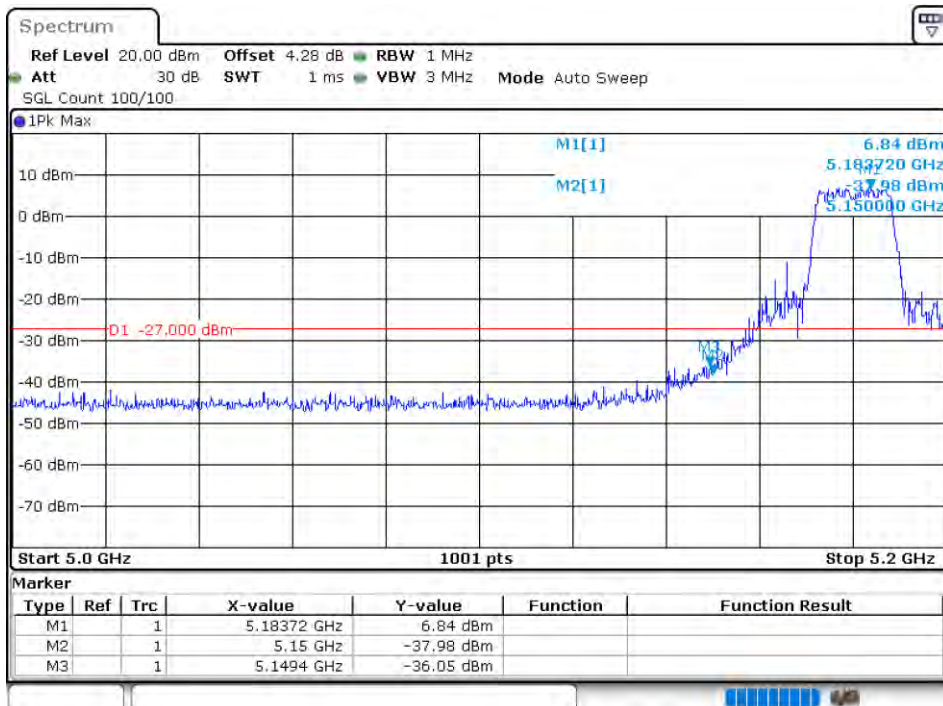


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-36.04	-27	Pass
NVNT	a	5240	Ant1	-42.2	-27	Pass
NVNT	n20	5180	Ant1	-33.36	-27	Pass
NVNT	n20	5240	Ant1	-43.12	-27	Pass
NVNT	n40	5190	Ant1	-27.02	-27	Pass
NVNT	n40	5230	Ant1	-42.36	-27	Pass
NVNT	ac20	5180	Ant1	-33.55	-27	Pass
NVNT	ac20	5240	Ant1	-42.02	-27	Pass
NVNT	ac40	5190	Ant1	-27.74	-27	Pass
NVNT	ac40	5230	Ant1	-42.11	-27	Pass
NVNT	ac80	5210	Ant1	-42.65	-27	Pass
NVNT	ac80	5210	Ant1	-31.11	-27	Pass

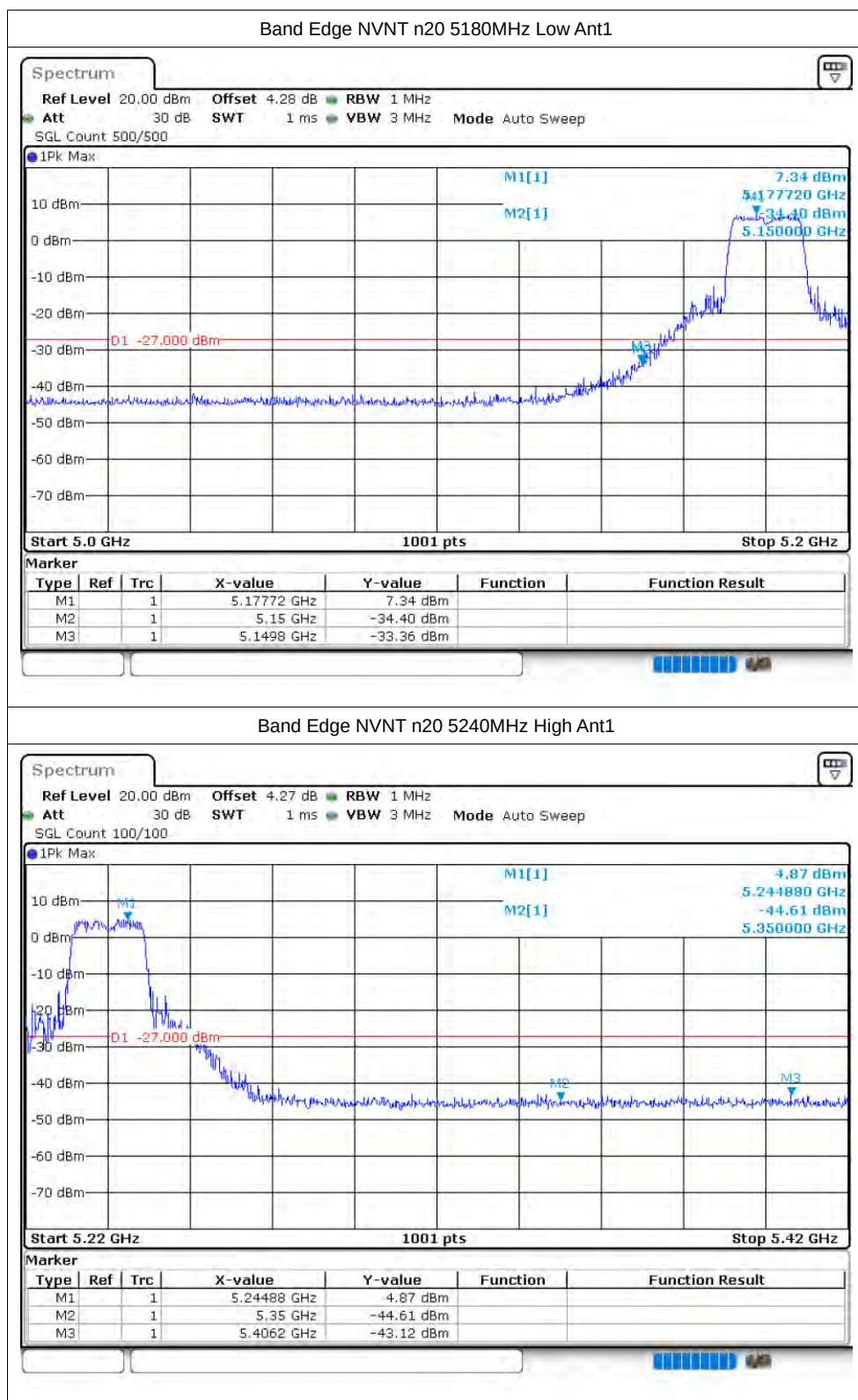
Test Graphs

Band Edge NVNT a 5180MHz Low Ant1

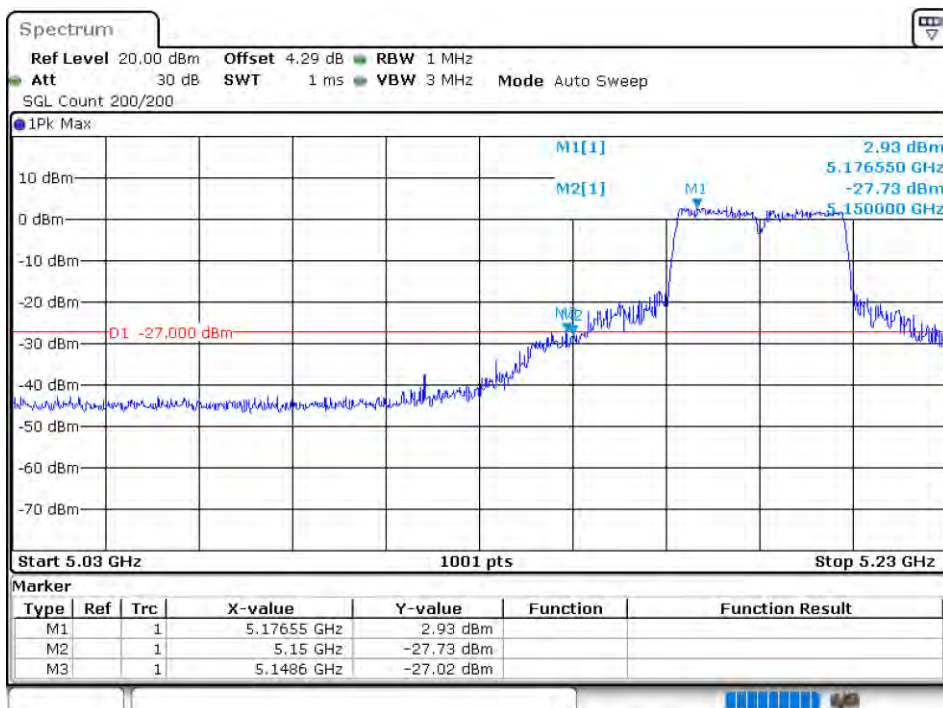


Band Edge NVNT a 5240MHz High Ant1

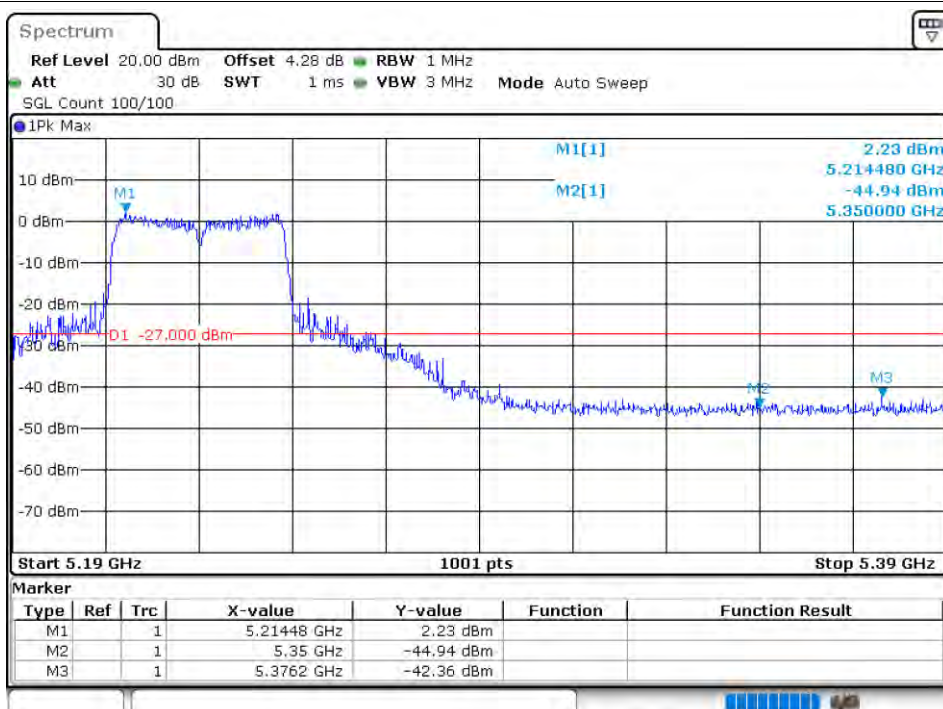




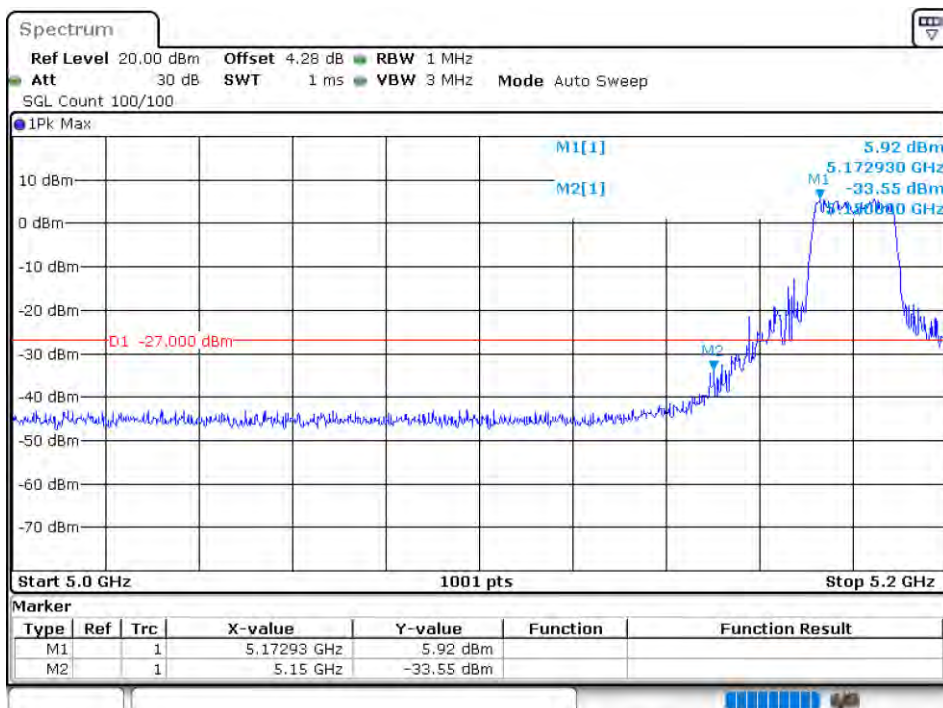
Band Edge NVNT n40 5190MHz Low Ant1



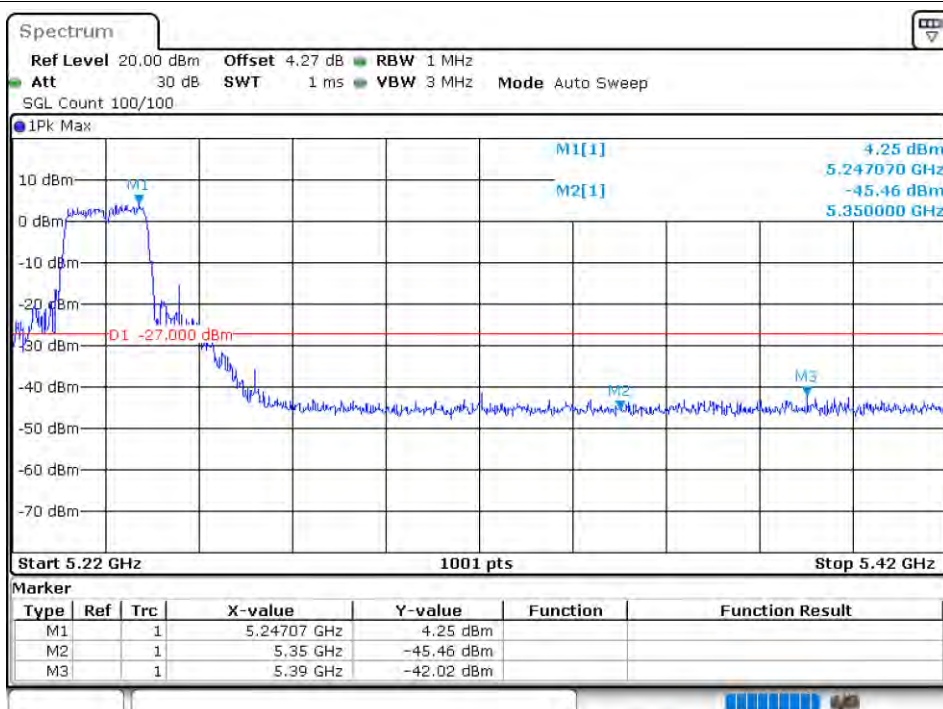
Band Edge NVNT n40 5230MHz High Ant1

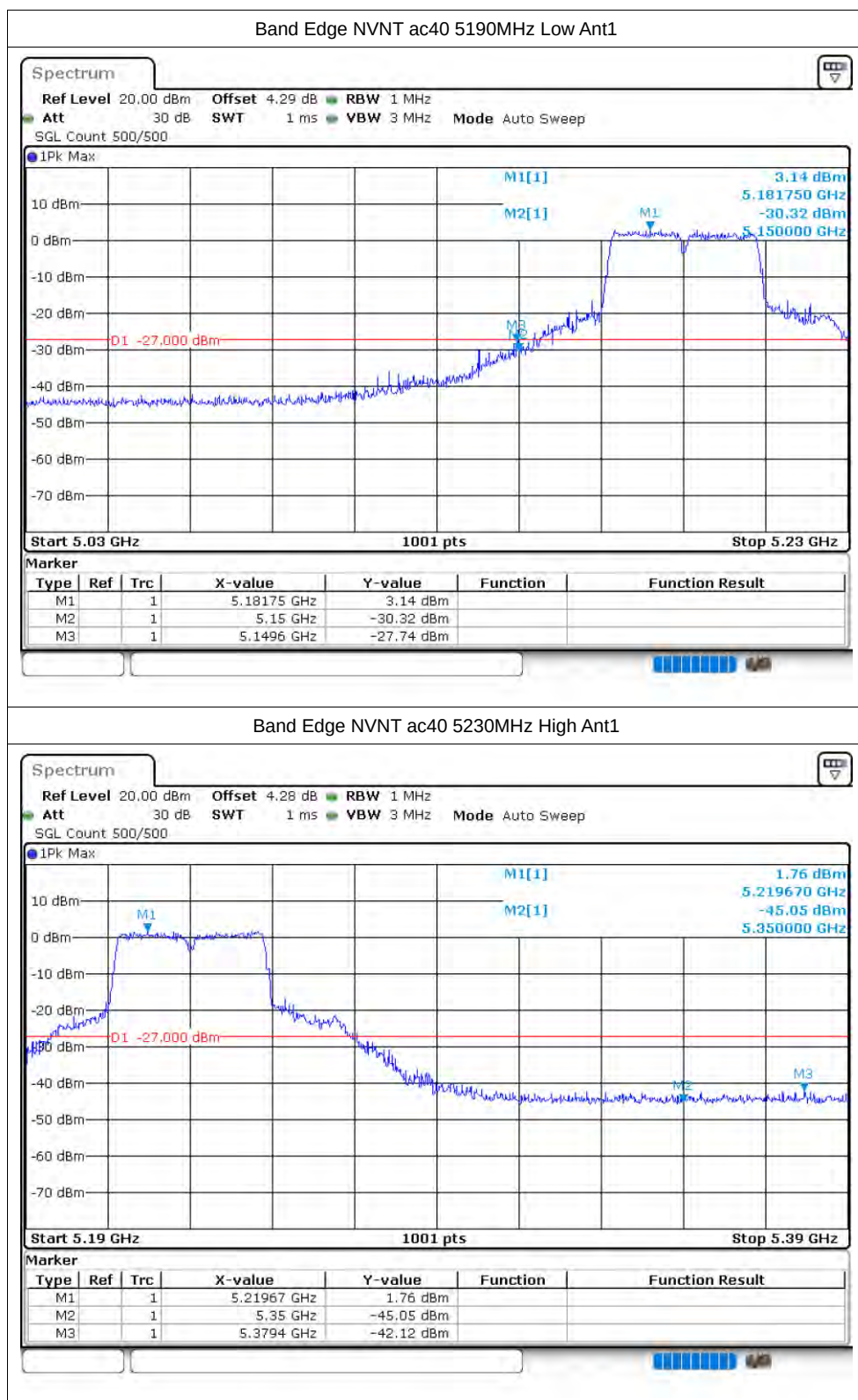


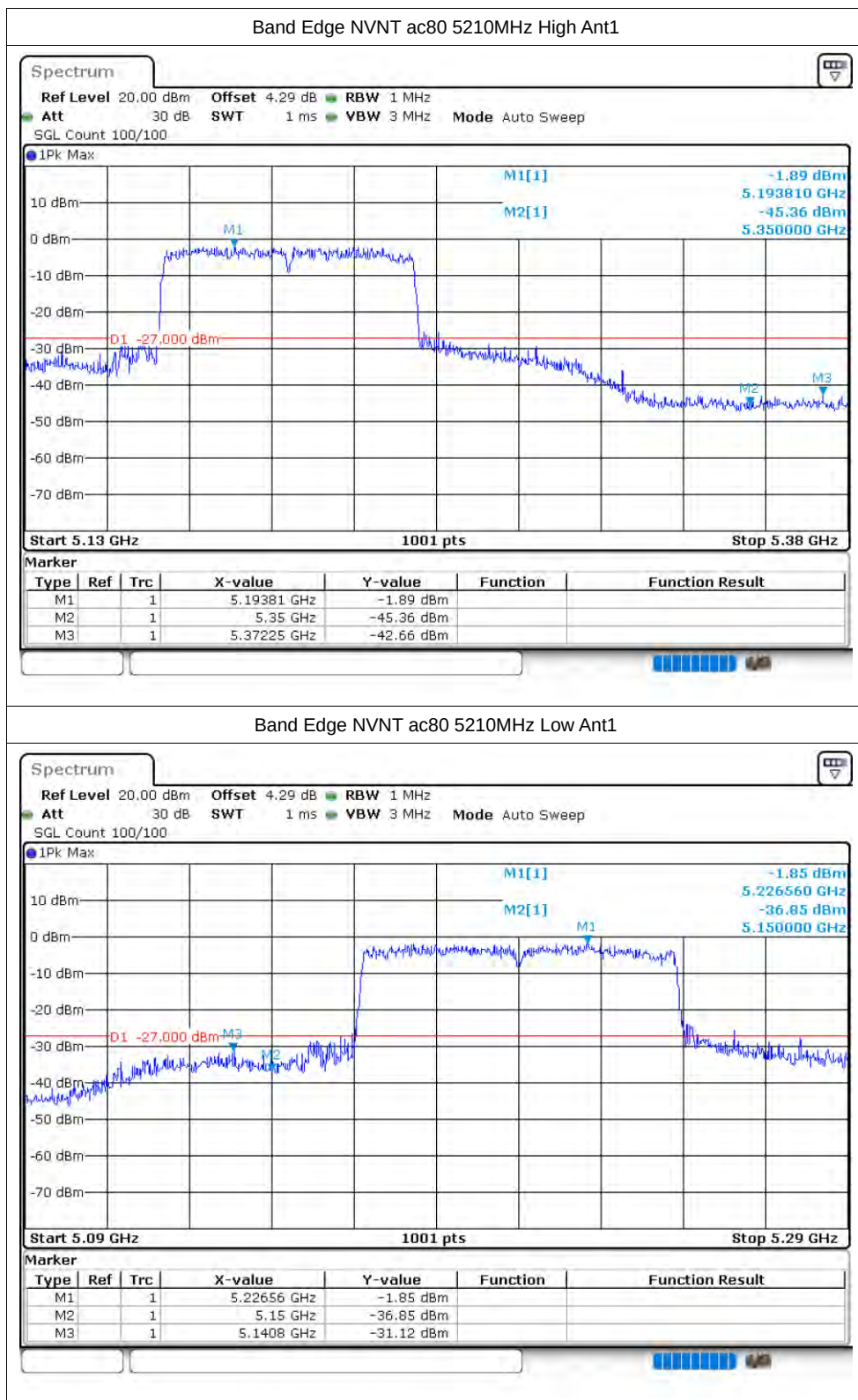
Band Edge NVNT ac20 5180MHz Low Ant1



Band Edge NVNT ac20 5240MHz High Ant1





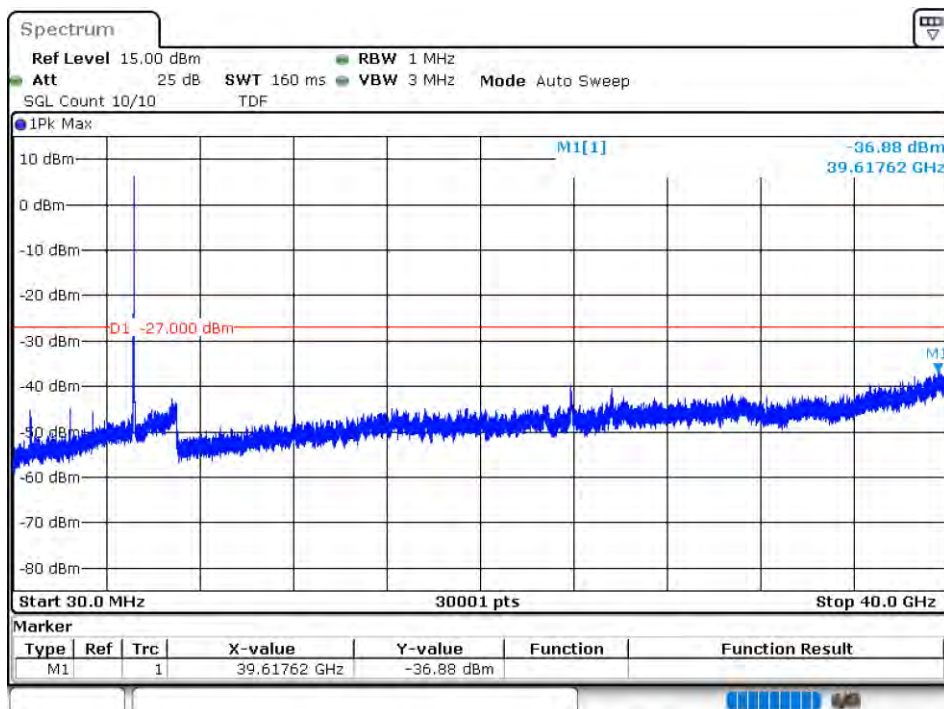


Conducted RF Spurious Emission

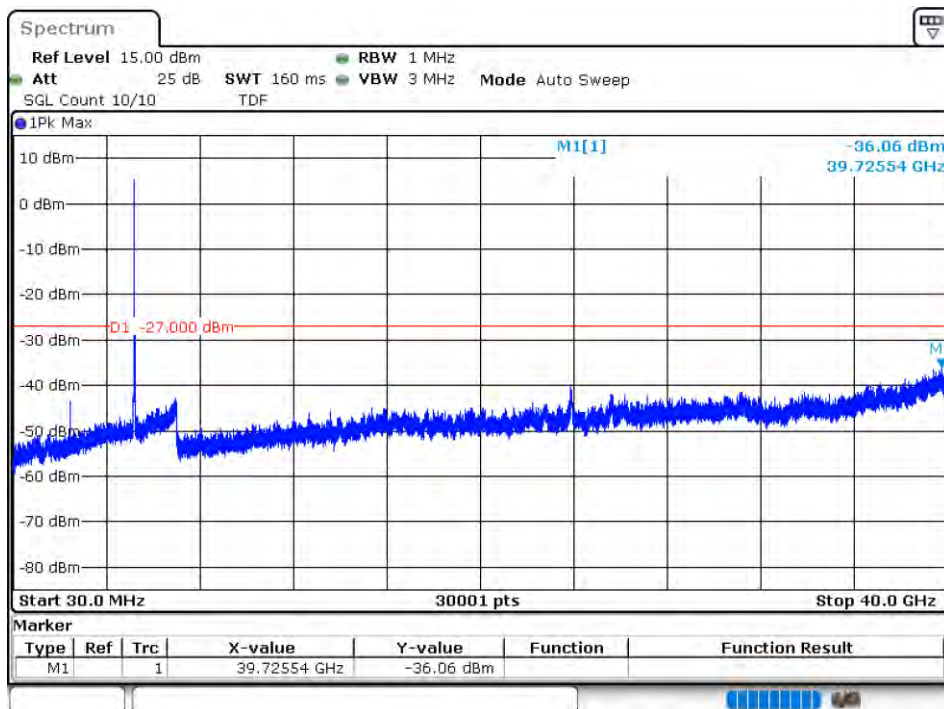
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-36.87	-27	Pass
NVNT	a	5200	Ant1	-36.05	-27	Pass
NVNT	a	5240	Ant1	-36.4	-27	Pass
NVNT	n20	5180	Ant1	-36.11	-27	Pass
NVNT	n20	5200	Ant1	-36.57	-27	Pass
NVNT	n20	5240	Ant1	-36.78	-27	Pass
NVNT	n40	5190	Ant1	-36.12	-27	Pass
NVNT	n40	5230	Ant1	-34.9	-27	Pass
NVNT	ac20	5180	Ant1	-36.14	-27	Pass
NVNT	ac20	5200	Ant1	-35.92	-27	Pass
NVNT	ac20	5240	Ant1	-37.27	-27	Pass
NVNT	ac40	5190	Ant1	-36.83	-27	Pass
NVNT	ac40	5230	Ant1	-36.48	-27	Pass
NVNT	ac80	5210	Ant1	-36.4	-27	Pass

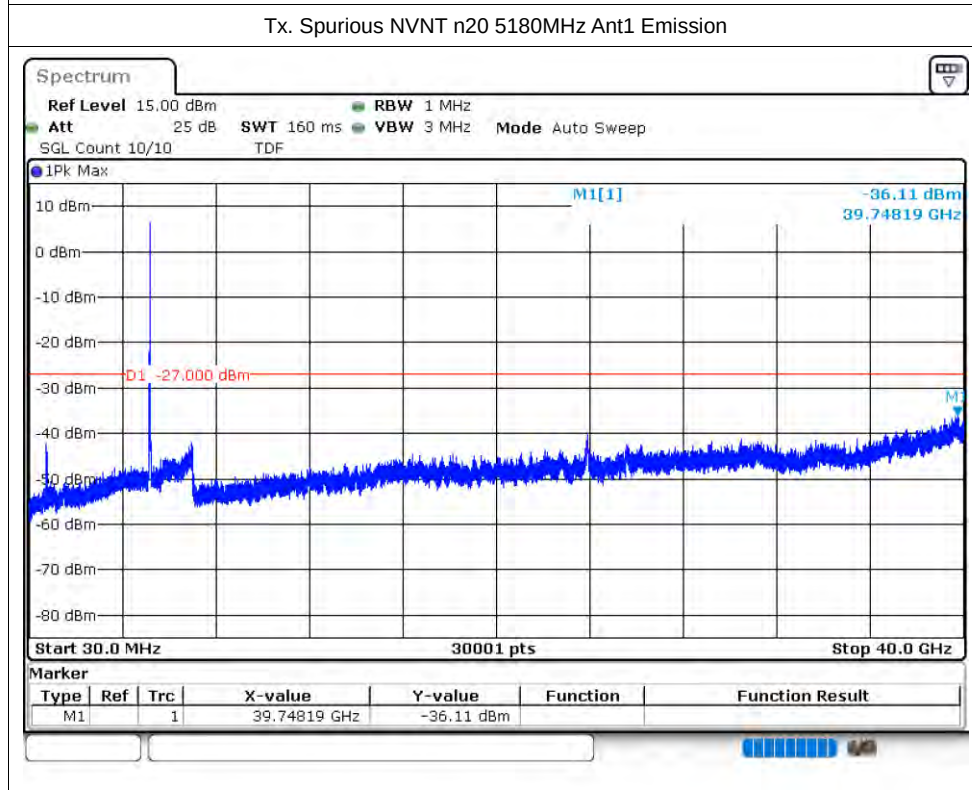
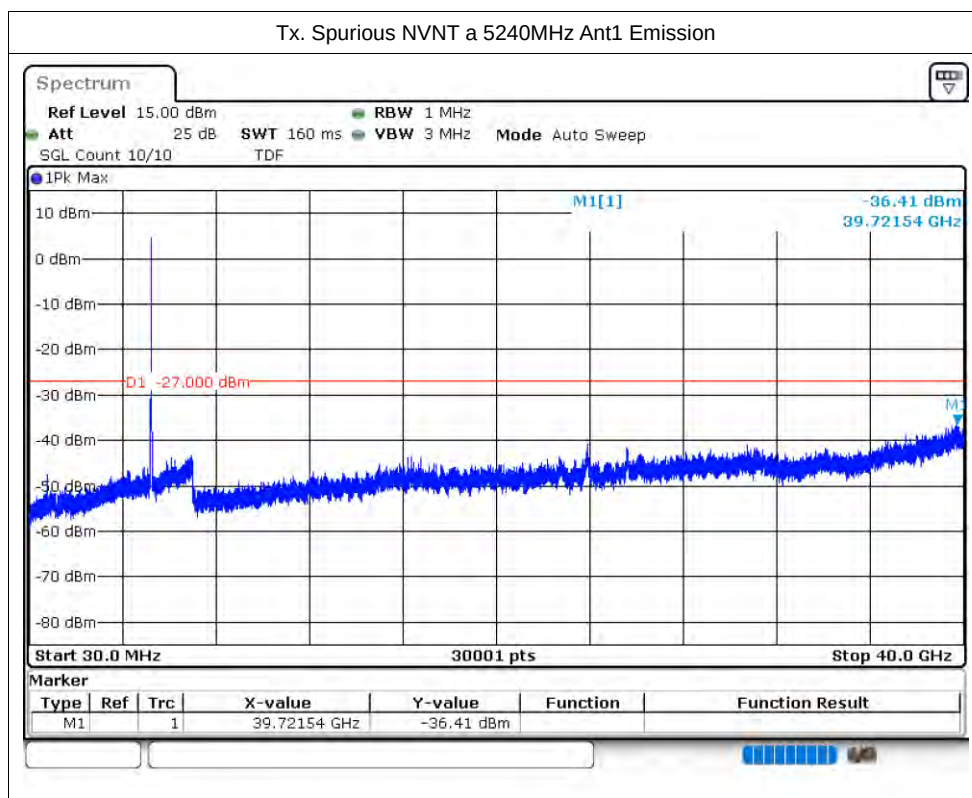
Test Graphs

Tx. Spurious NVNT a 5180MHz Ant1 Emission

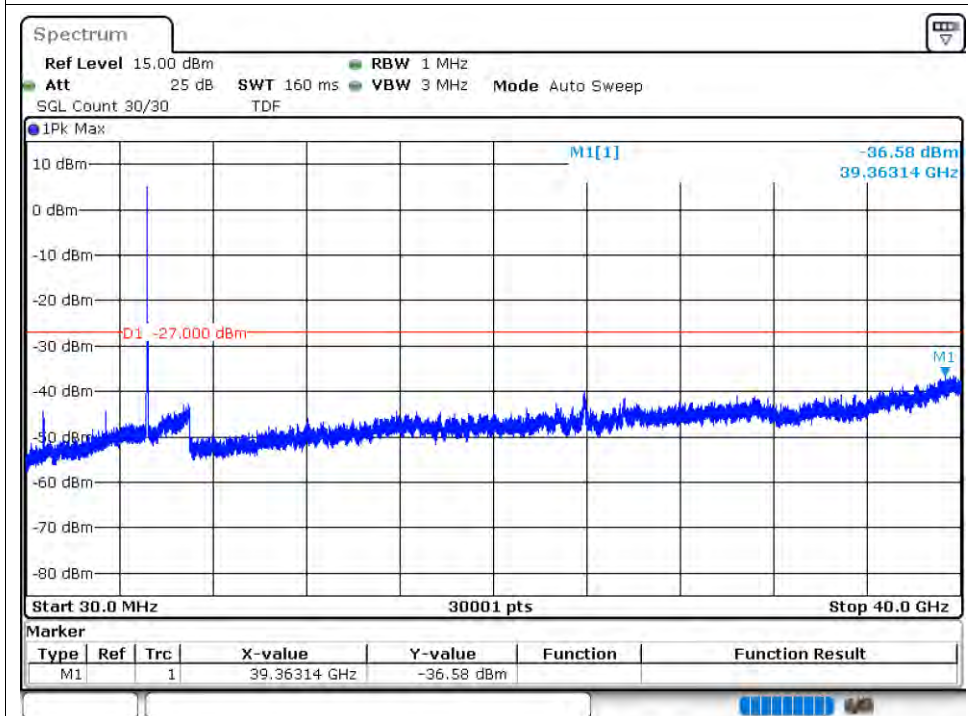


Tx. Spurious NVNT a 5200MHz Ant1 Emission

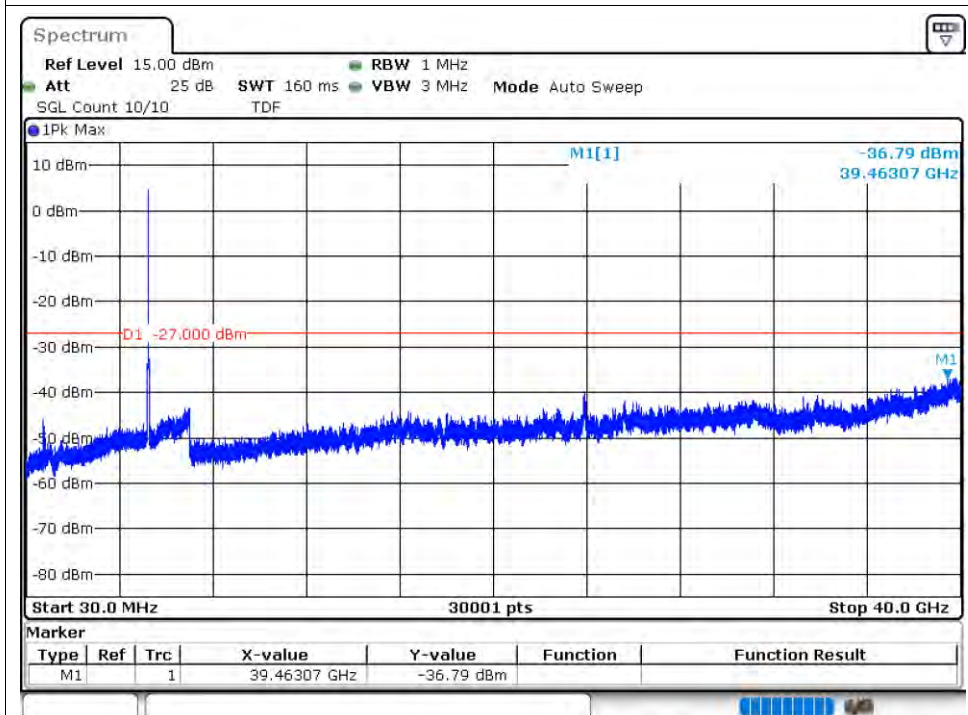


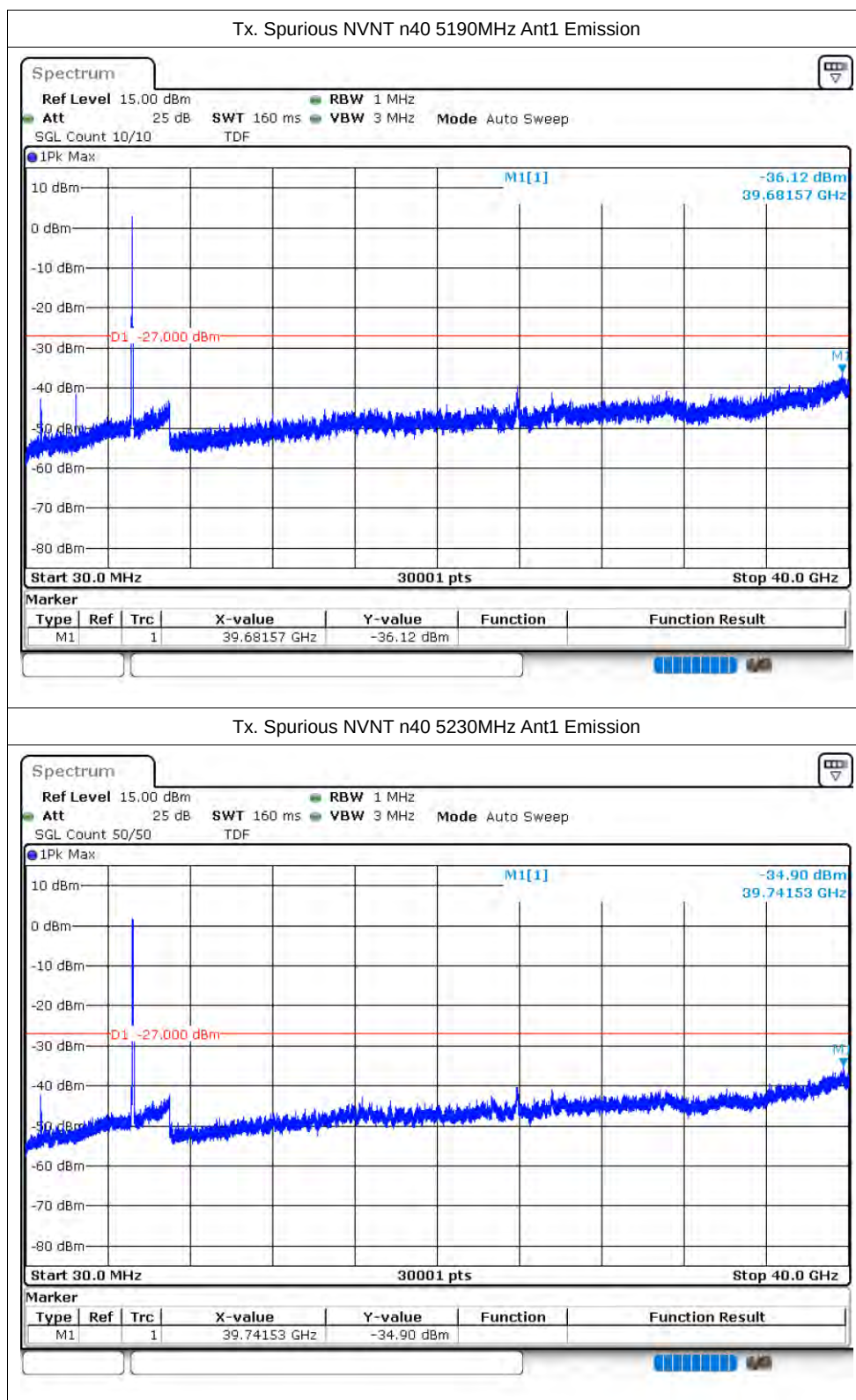


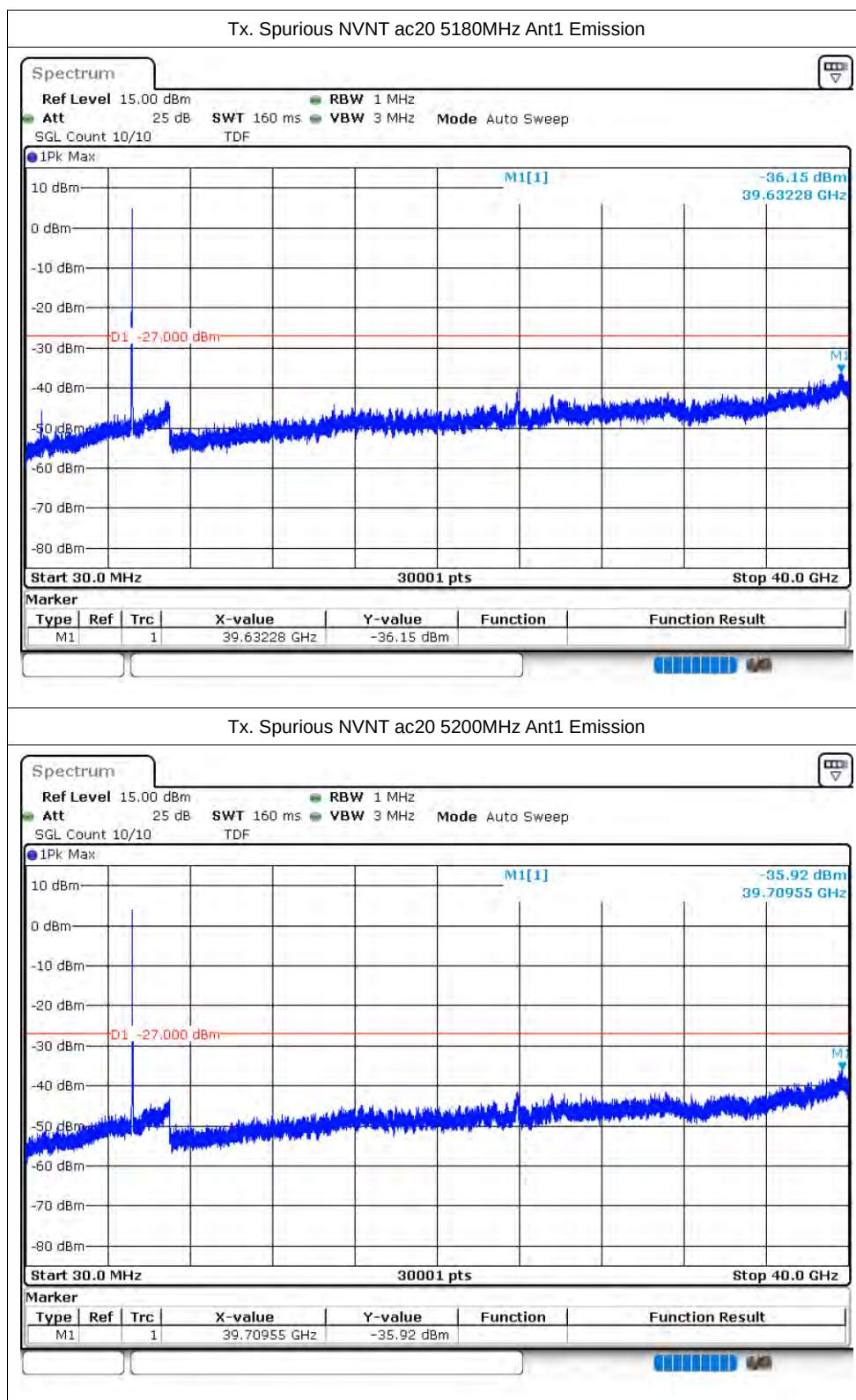
Tx. Spurious NVNT n20 5200MHz Ant1 Emission

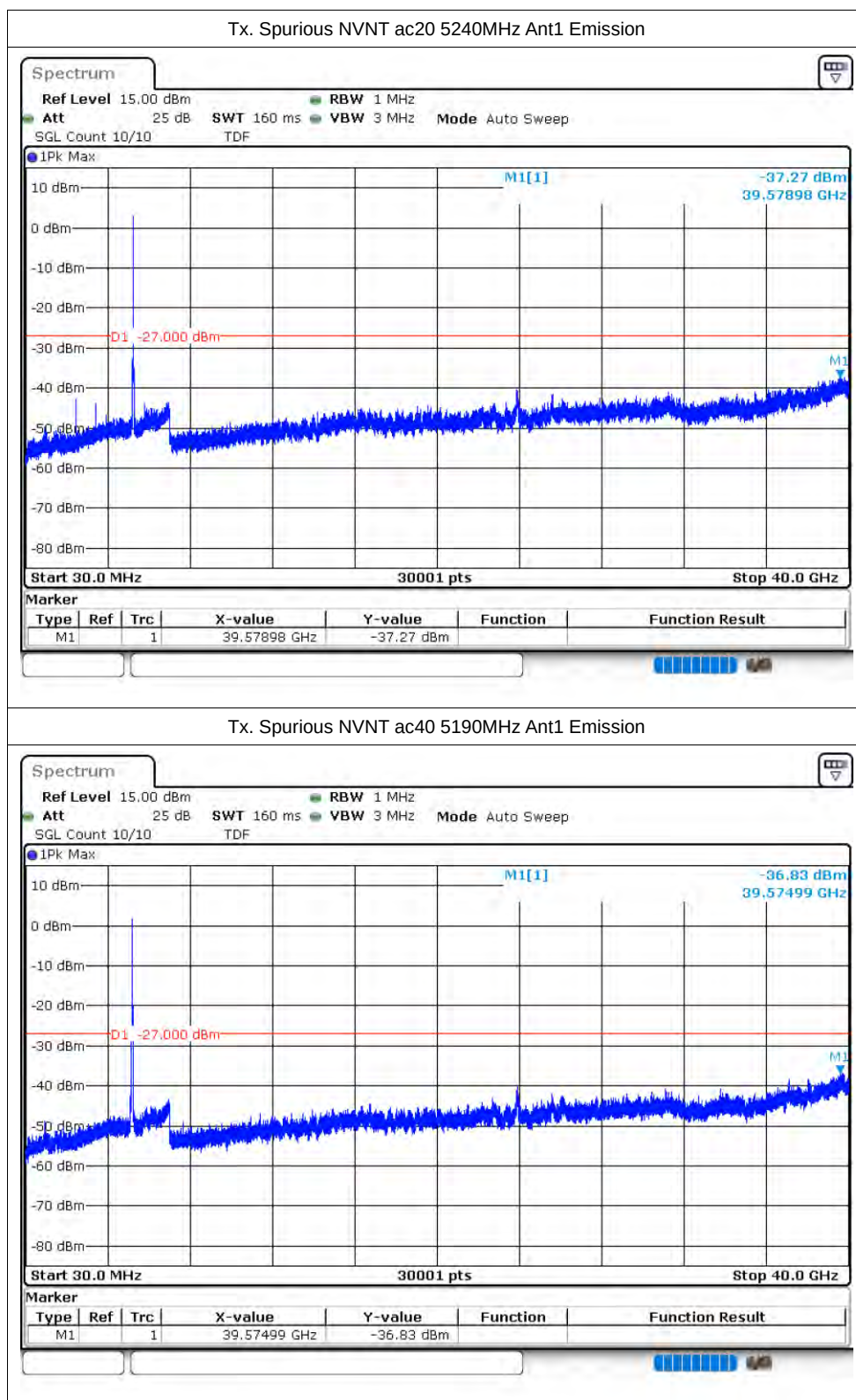


Tx. Spurious NVNT n20 5240MHz Ant1 Emission

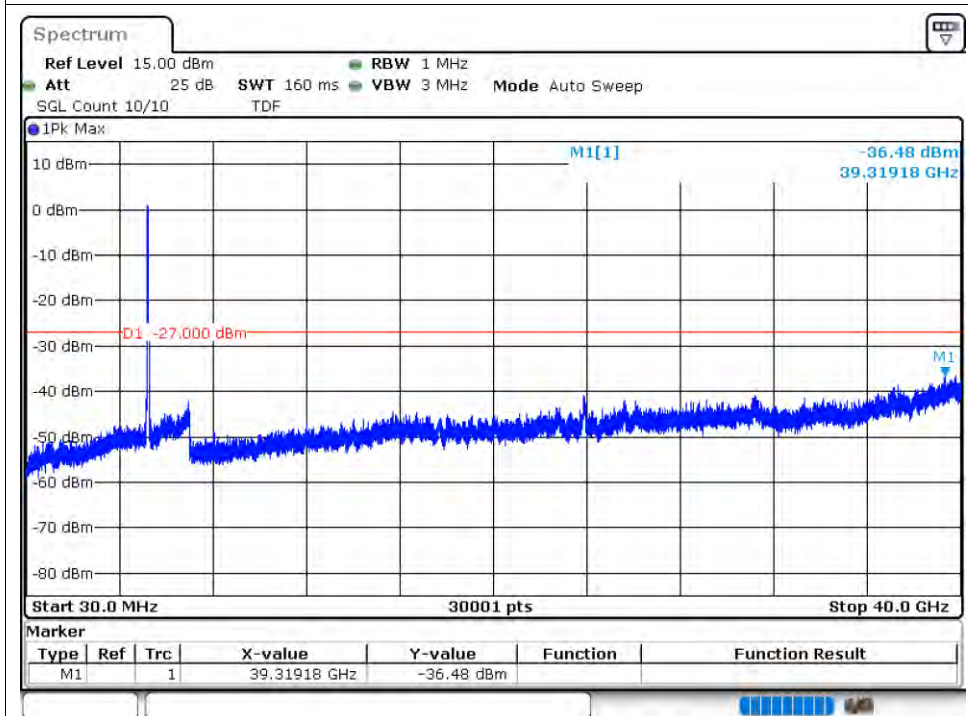








Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ac80 5210MHz Ant1 Emission

