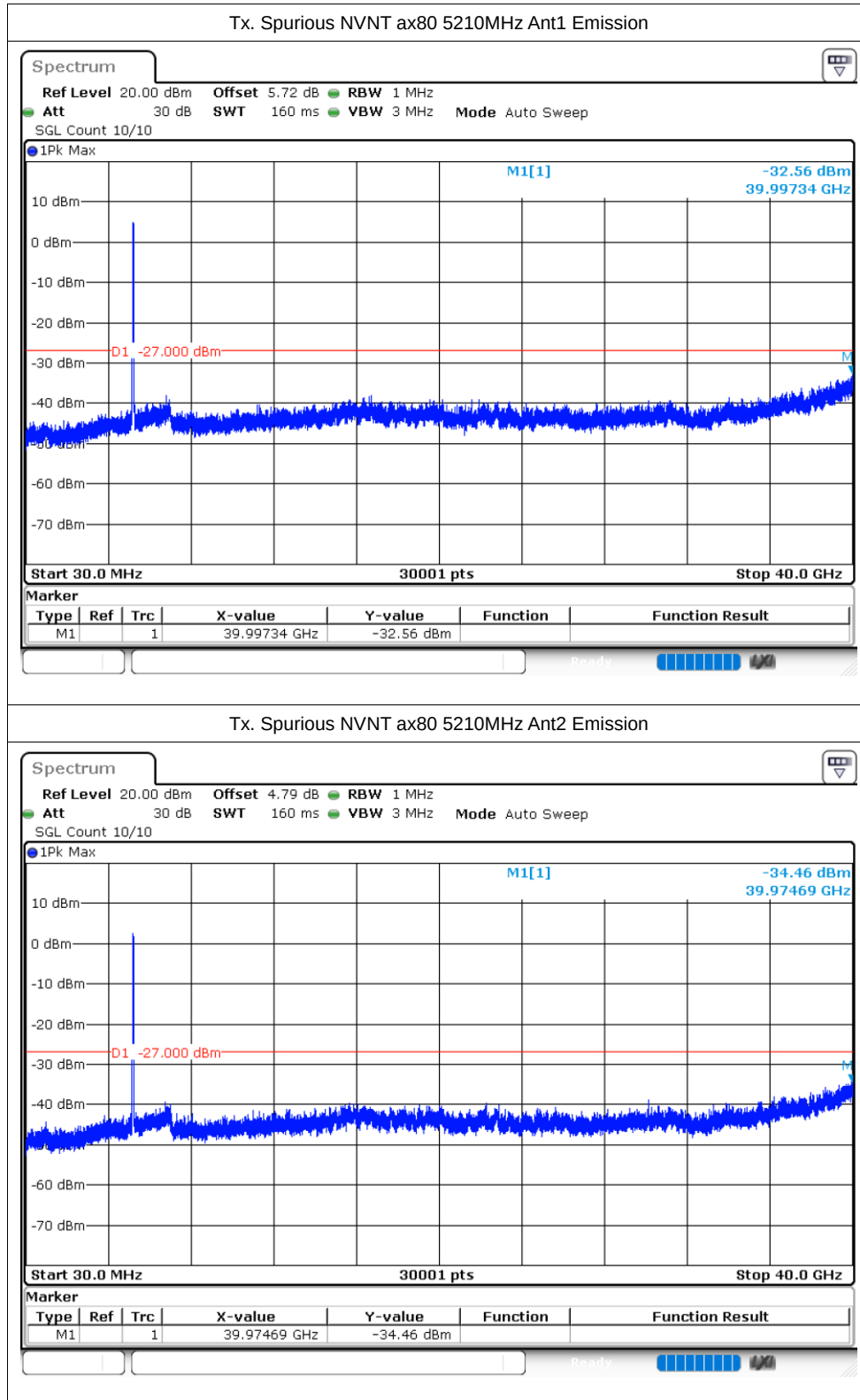




5.2G-MIMO:

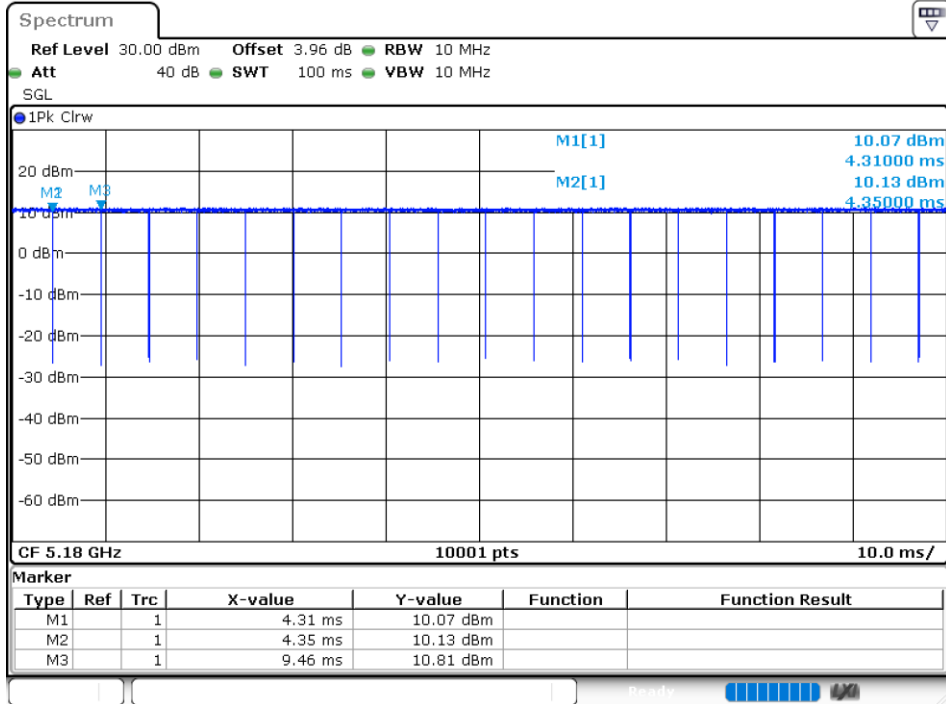
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Ant1	99.4	0.03	0.2
NVNT	ac20	5200	Ant1	99.4	0.03	0.2
NVNT	ac20	5240	Ant1	99.31	0.03	0.2
NVNT	ac40	5190	Ant1	99.29	0.03	0.2
NVNT	ac40	5230	Ant1	99.36	0.03	0.2
NVNT	ac80	5210	Ant1	99.26	0.03	0.2
NVNT	ax20	5180	Ant1	99.53	0.02	0.2
NVNT	ax20	5200	Ant1	99.36	0.03	0.2
NVNT	ax20	5240	Ant1	99.38	0.03	0.2
NVNT	ax40	5190	Ant1	99.3	0.03	0.2
NVNT	ax40	5230	Ant1	99.39	0.03	0.2
NVNT	ax80	5210	Ant1	99.25	0.03	0.2
NVNT	n20	5180	Ant1	99.4	0.03	0.19
NVNT	n20	5200	Ant1	99.41	0.03	0.19
NVNT	n20	5240	Ant1	99.37	0.03	0.19
NVNT	n40	5190	Ant1	99.24	0.03	0.19
NVNT	n40	5230	Ant1	99.41	0.03	0.19

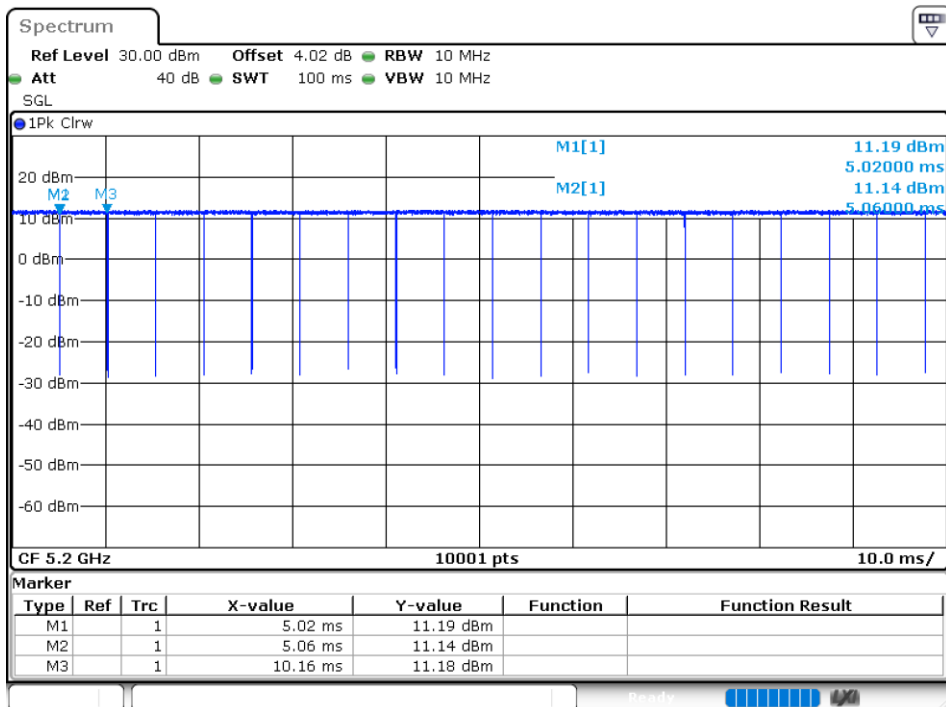
Note: The Correction Factor values measured by ANT1 and ANT2 are the same, and the report only displays ANT1.

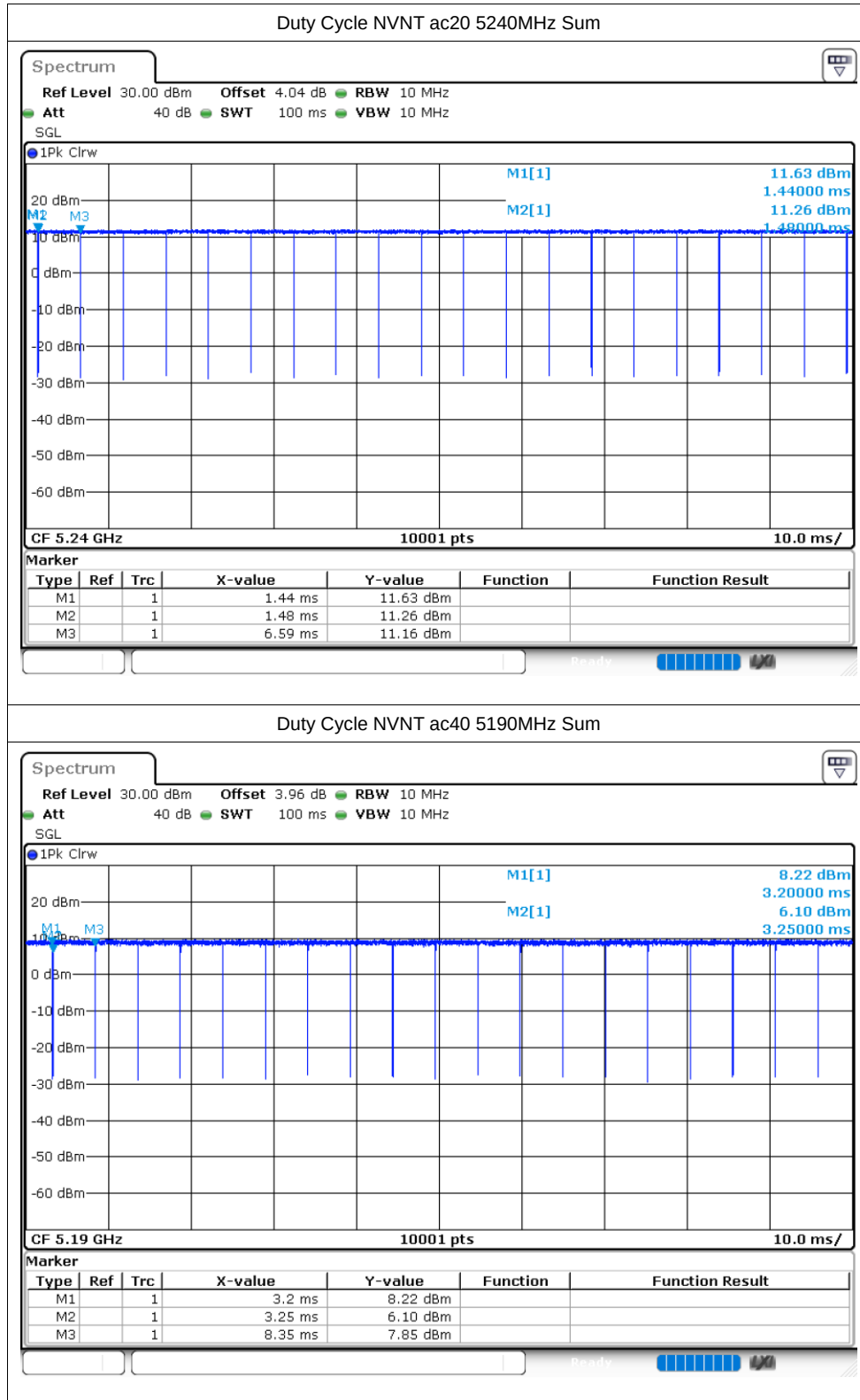
Test Graphs

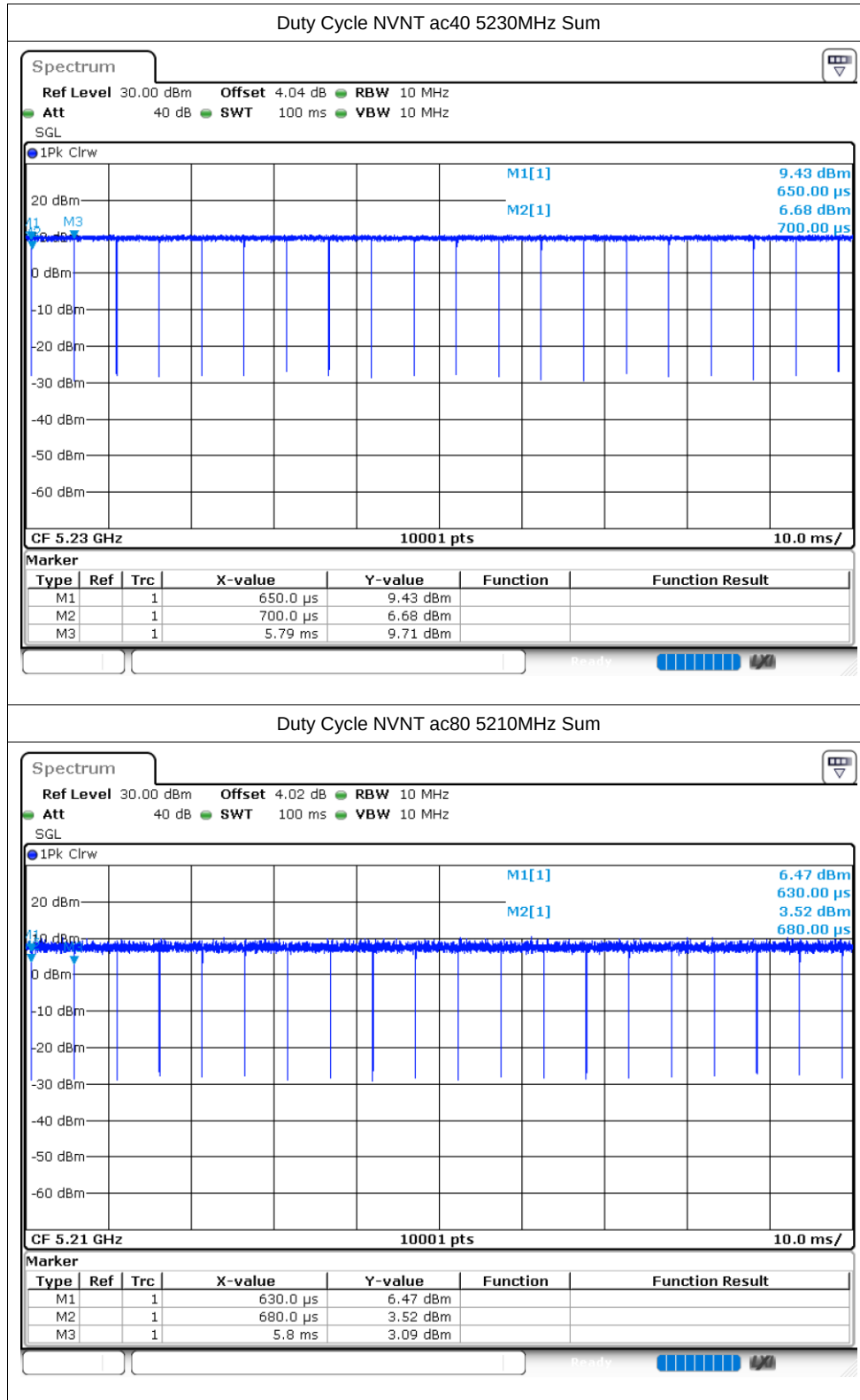
Duty Cycle NVNT ac20 5180MHz Sum

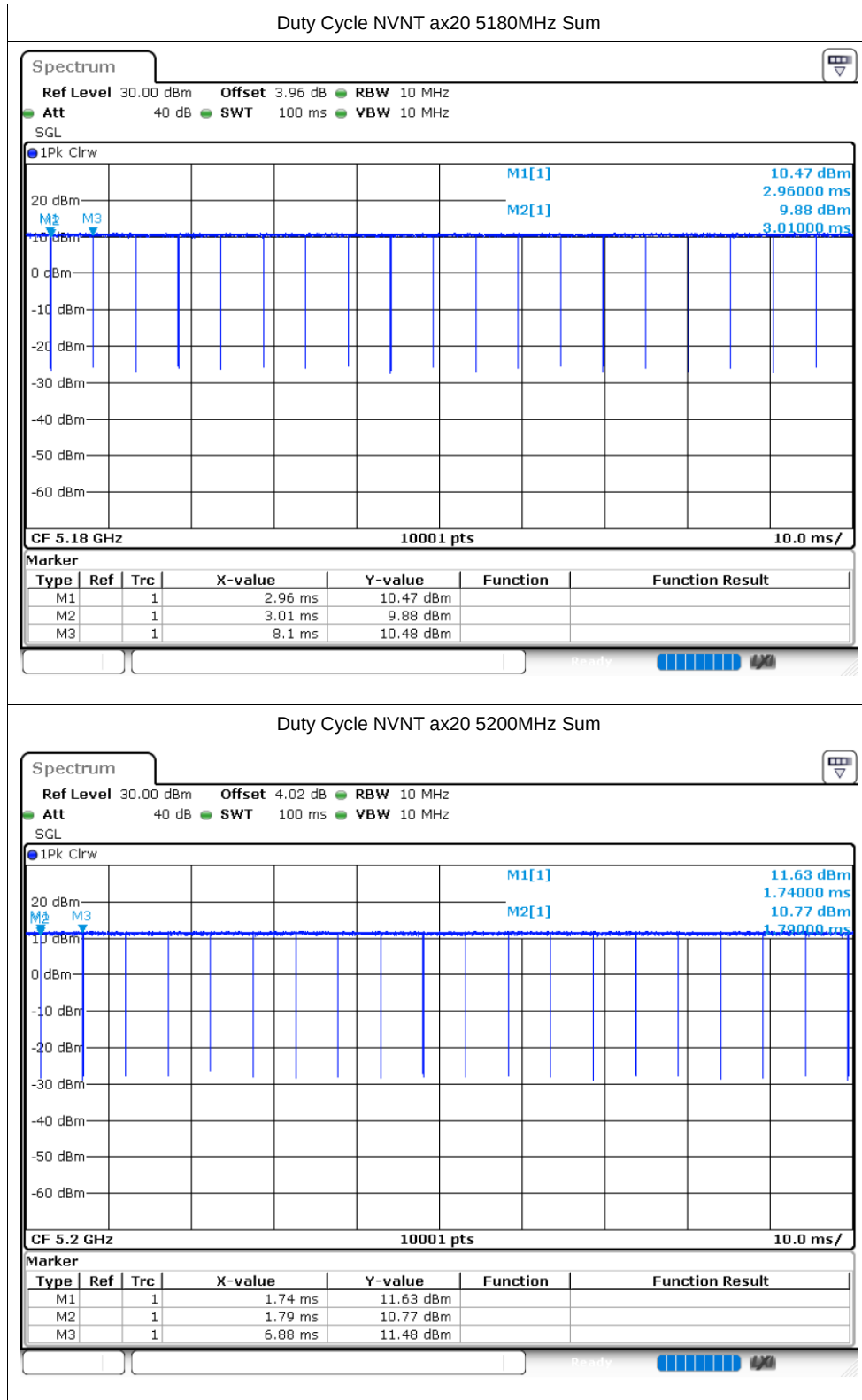


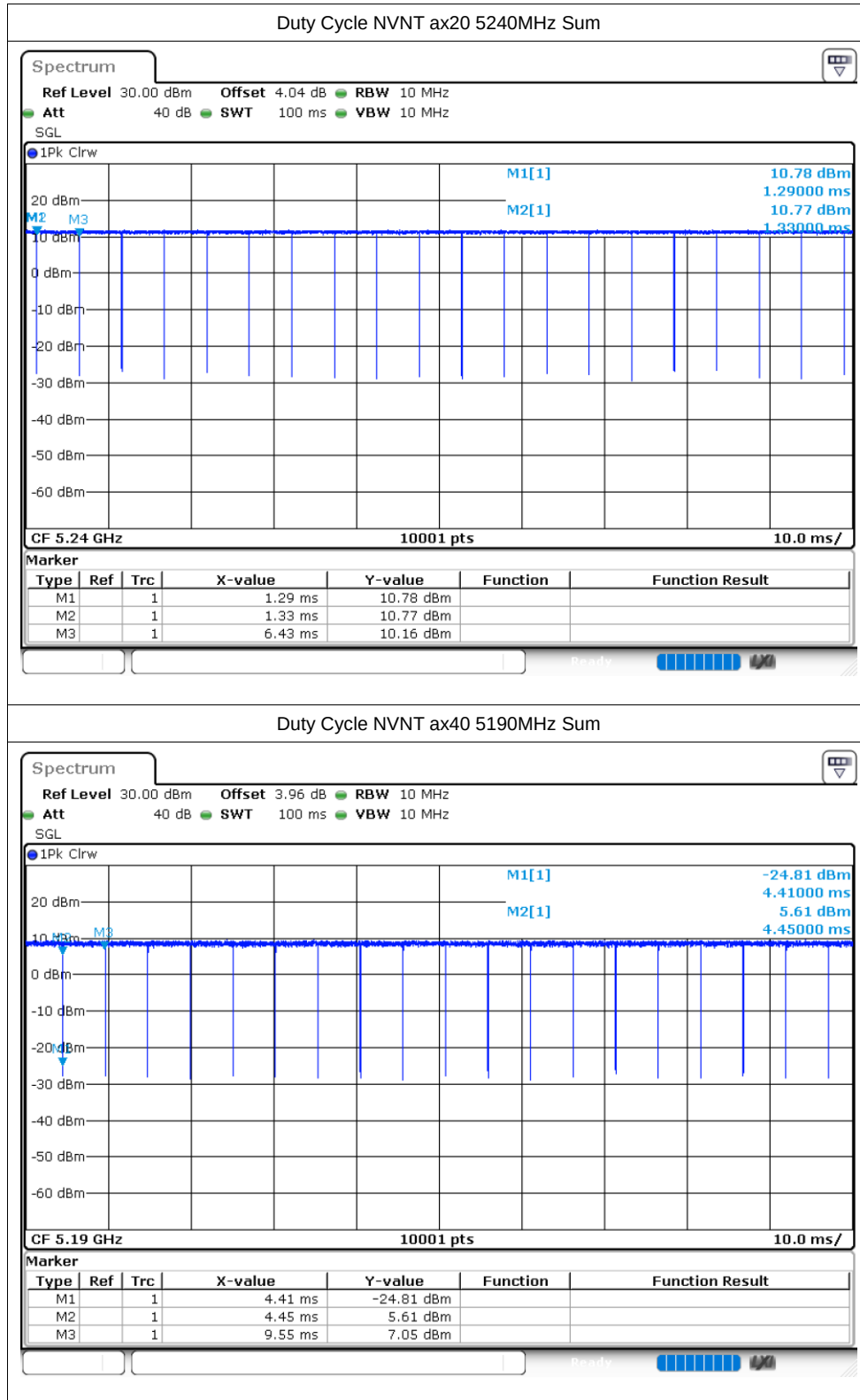
Duty Cycle NVNT ac20 5200MHz Sum

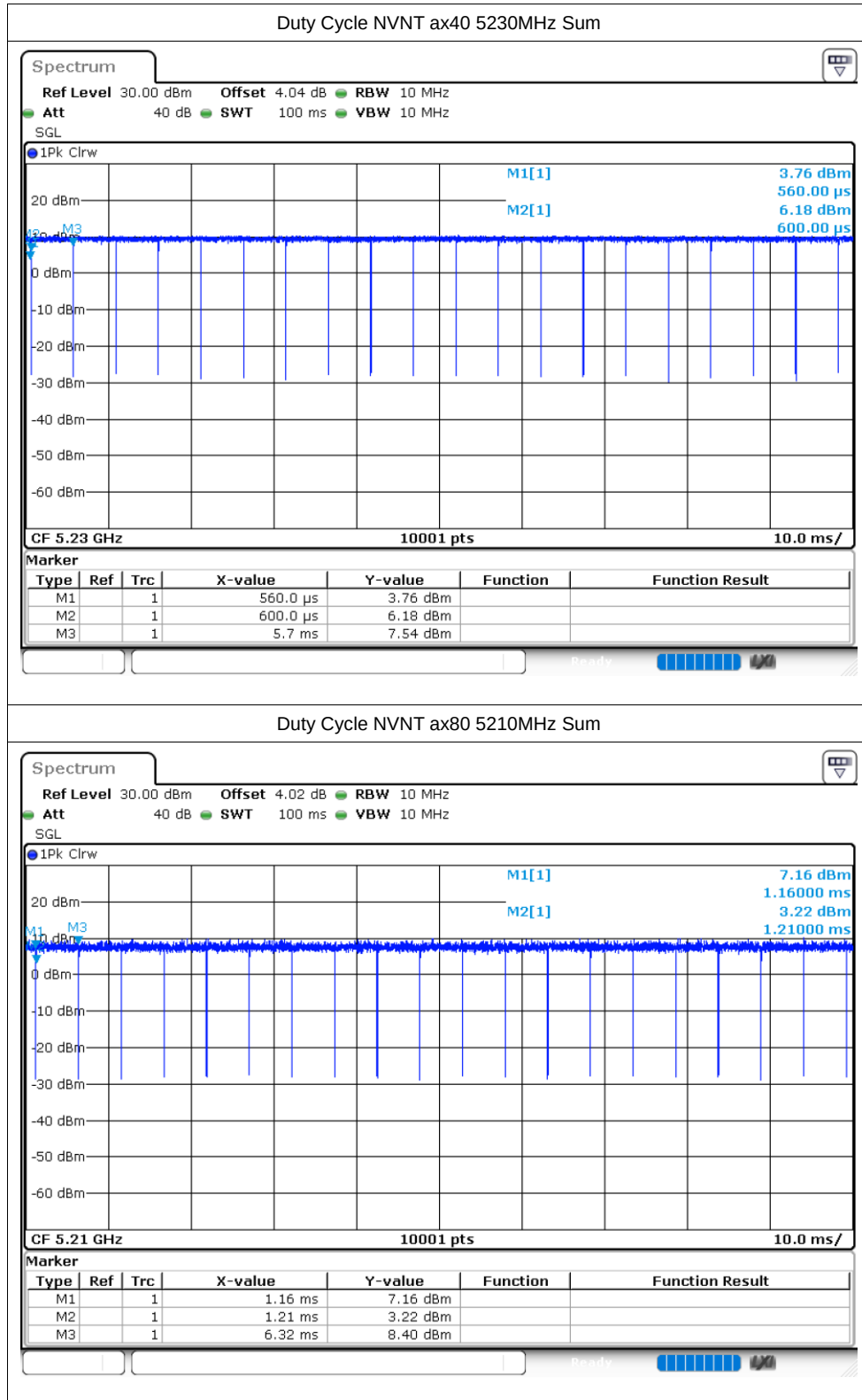


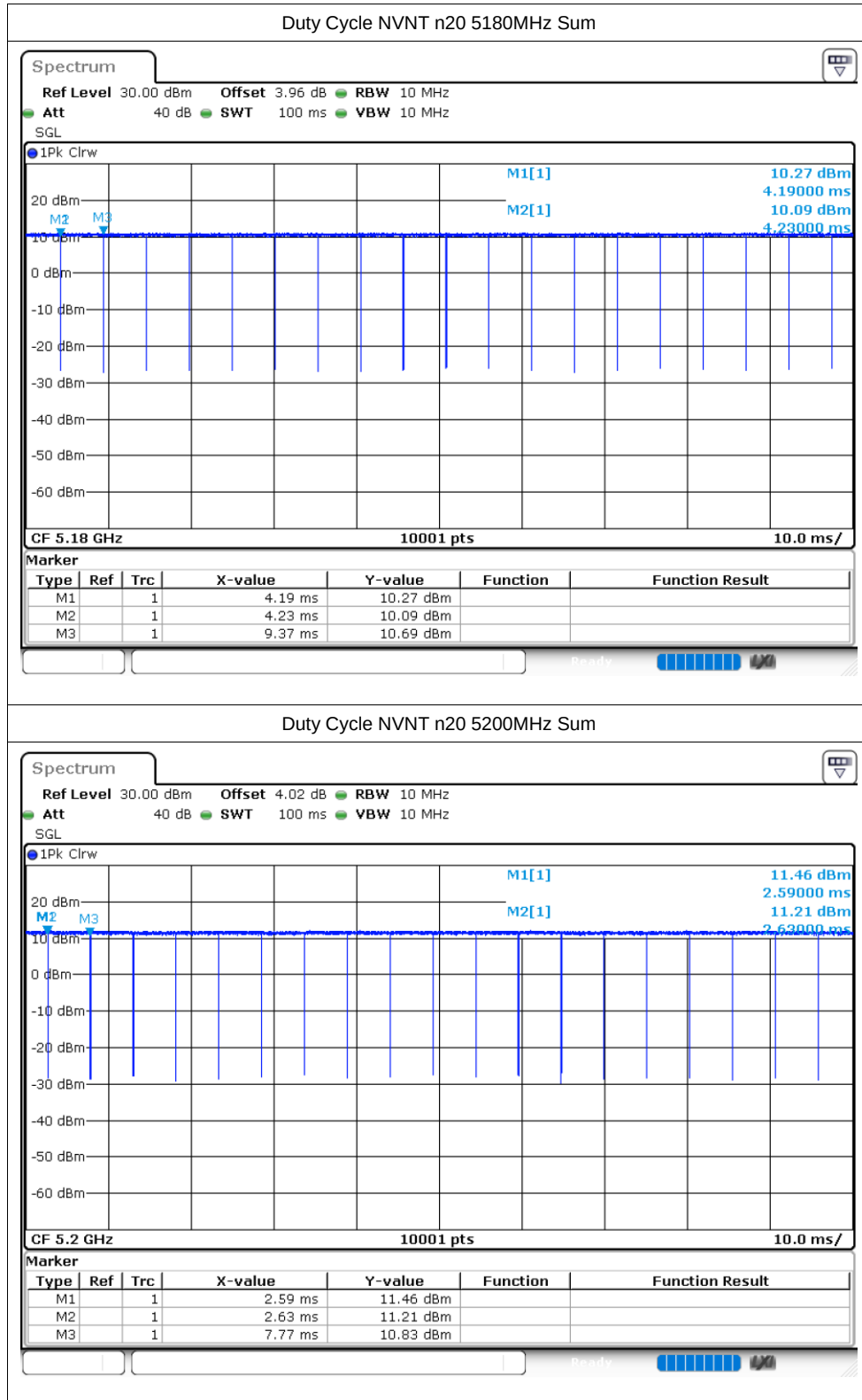


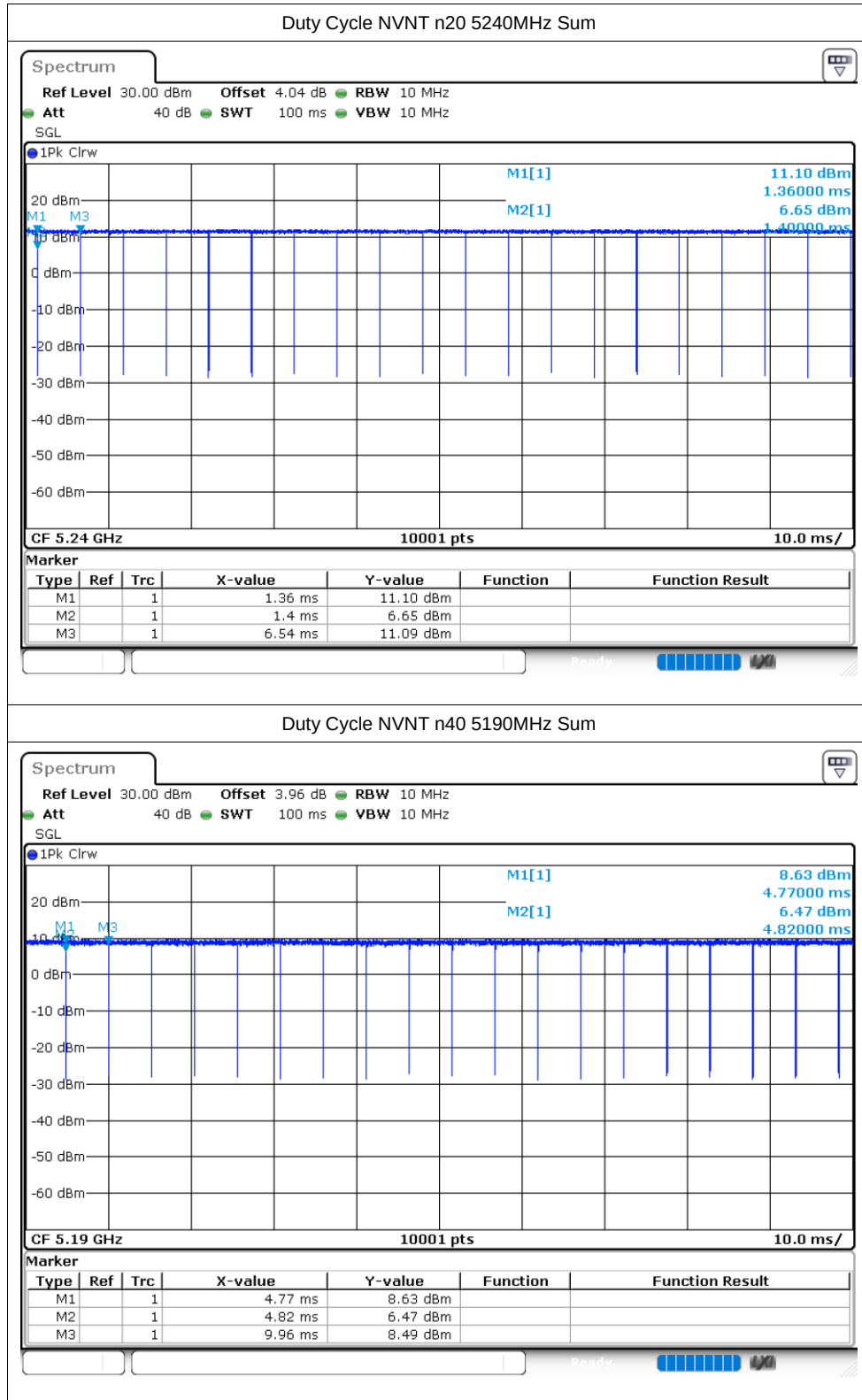


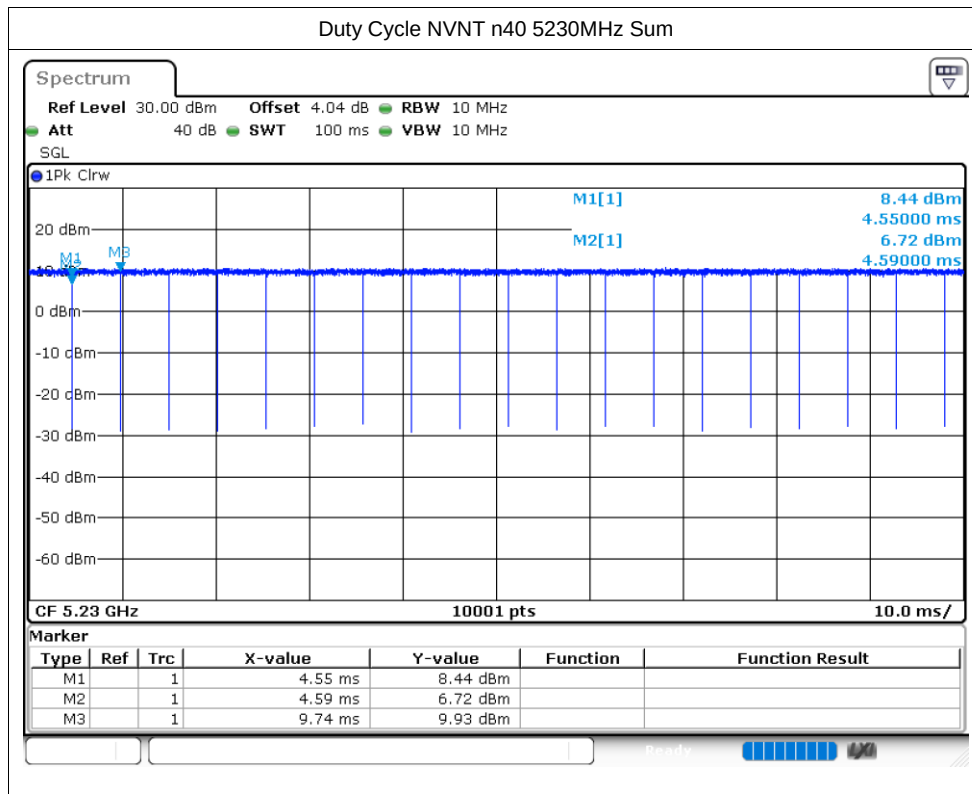












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	9.51	0.03	9.54	24	Pass
NVNT	ac20	5180	Ant2	9.83	0.03	9.86	24	Pass
NVNT	ac20	5180	Sum	12.68	0.03	12.71	24	Pass
NVNT	ac20	5200	Ant1	9.83	0.03	9.86	24	Pass
NVNT	ac20	5200	Ant2	10.13	0.03	10.16	24	Pass
NVNT	ac20	5200	Sum	12.99	0.03	13.02	24	Pass
NVNT	ac20	5240	Ant1	9.78	0.03	9.81	24	Pass
NVNT	ac20	5240	Ant2	10.01	0.03	10.04	24	Pass
NVNT	ac20	5240	Sum	12.91	0.03	12.94	24	Pass
NVNT	ac40	5190	Ant1	9.87	0.03	9.9	24	Pass
NVNT	ac40	5190	Ant2	9.98	0.03	10.01	24	Pass
NVNT	ac40	5190	Sum	12.94	0.03	12.97	24	Pass
NVNT	ac40	5230	Ant1	10.13	0.03	10.16	24	Pass
NVNT	ac40	5230	Ant2	10.01	0.03	10.04	24	Pass
NVNT	ac40	5230	Sum	13.08	0.03	13.11	24	Pass
NVNT	ac80	5210	Ant1	10.23	0.03	10.26	24	Pass
NVNT	ac80	5210	Ant2	10.3	0.03	10.33	24	Pass
NVNT	ac80	5210	Sum	13.28	0.03	13.31	24	Pass
NVNT	ax20	5180	Ant1	9.38	0.02	9.4	24	Pass
NVNT	ax20	5180	Ant2	9.52	0.02	9.54	24	Pass
NVNT	ax20	5180	Sum	12.46	0.02	12.48	24	Pass
NVNT	ax20	5200	Ant1	9.63	0.03	9.66	24	Pass
NVNT	ax20	5200	Ant2	9.77	0.03	9.8	24	Pass
NVNT	ax20	5200	Sum	12.71	0.03	12.74	24	Pass
NVNT	ax20	5240	Ant1	9.69	0.03	9.72	24	Pass
NVNT	ax20	5240	Ant2	9.79	0.03	9.82	24	Pass
NVNT	ax20	5240	Sum	12.75	0.03	12.78	24	Pass
NVNT	ax40	5190	Ant1	9.49	0.03	9.52	24	Pass
NVNT	ax40	5190	Ant2	9.63	0.03	9.66	24	Pass
NVNT	ax40	5190	Sum	12.57	0.03	12.6	24	Pass
NVNT	ax40	5230	Ant1	9.83	0.03	9.86	24	Pass
NVNT	ax40	5230	Ant2	9.8	0.03	9.83	24	Pass
NVNT	ax40	5230	Sum	12.83	0.03	12.86	24	Pass
NVNT	ax80	5210	Ant1	10.05	0.03	10.08	24	Pass
NVNT	ax80	5210	Ant2	10	0.03	10.03	24	Pass
NVNT	ax80	5210	Sum	13.04	0.03	13.07	24	Pass
NVNT	n20	5180	Ant1	9.61	0.03	9.64	24	Pass
NVNT	n20	5180	Ant2	9.89	0.03	9.92	24	Pass
NVNT	n20	5180	Sum	12.76	0.03	12.79	24	Pass

NVNT	n20	5200	Ant1	9.82	0.03	9.85	24	Pass
NVNT	n20	5200	Ant2	10.11	0.03	10.14	24	Pass
NVNT	n20	5200	Sum	12.98	0.03	13.01	24	Pass
NVNT	n20	5240	Ant1	9.79	0.03	9.82	24	Pass
NVNT	n20	5240	Ant2	10.04	0.03	10.07	24	Pass
NVNT	n20	5240	Sum	12.93	0.03	12.96	24	Pass
NVNT	n40	5190	Ant1	9.9	0.03	9.93	24	Pass
NVNT	n40	5190	Ant2	9.96	0.03	9.99	24	Pass
NVNT	n40	5190	Sum	12.94	0.03	12.97	24	Pass
NVNT	n40	5230	Ant1	10.15	0.03	10.18	24	Pass
NVNT	n40	5230	Ant2	10.04	0.03	10.07	24	Pass
NVNT	n40	5230	Sum	13.11	0.03	13.14	24	Pass

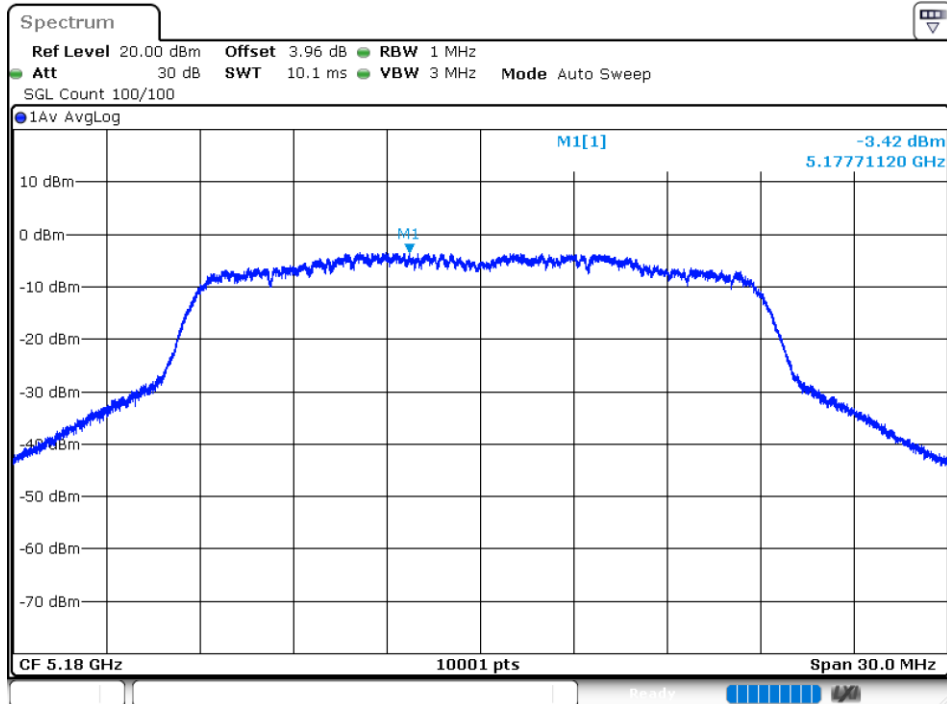
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-3.42	0.03	-3.39	11	Pass
NVNT	ac20	5180	Ant2	-3.32	0.03	-3.29	11	Pass
NVNT	ac20	5180	Sum	-0.36	0.03	-0.33	11	Pass
NVNT	ac20	5200	Ant1	-2.8	0.03	-2.77	11	Pass
NVNT	ac20	5200	Ant2	-2.58	0.03	-2.55	11	Pass
NVNT	ac20	5200	Sum	0.32	0.03	0.35	11	Pass
NVNT	ac20	5240	Ant1	-2.97	0.03	-2.94	11	Pass
NVNT	ac20	5240	Ant2	-2.69	0.03	-2.66	11	Pass
NVNT	ac20	5240	Sum	0.18	0.03	0.21	11	Pass
NVNT	ac40	5190	Ant1	-4.94	0.03	-4.91	11	Pass
NVNT	ac40	5190	Ant2	-6.04	0.03	-6.01	11	Pass
NVNT	ac40	5190	Sum	-2.44	0.03	-2.41	11	Pass
NVNT	ac40	5230	Ant1	-5.46	0.03	-5.43	11	Pass
NVNT	ac40	5230	Ant2	-5.86	0.03	-5.83	11	Pass
NVNT	ac40	5230	Sum	-2.65	0.03	-2.62	11	Pass
NVNT	ac80	5210	Ant1	-7.38	0.03	-7.35	11	Pass
NVNT	ac80	5210	Ant2	-8.64	0.03	-8.61	11	Pass
NVNT	ac80	5210	Sum	-4.95	0.03	-4.92	11	Pass
NVNT	ax20	5180	Ant1	-3.84	0.02	-3.82	11	Pass
NVNT	ax20	5180	Ant2	-3.74	0.02	-3.72	11	Pass
NVNT	ax20	5180	Sum	-0.78	0.02	-0.76	11	Pass
NVNT	ax20	5200	Ant1	-3.22	0.03	-3.19	11	Pass
NVNT	ax20	5200	Ant2	-2.66	0.03	-2.63	11	Pass
NVNT	ax20	5200	Sum	0.08	0.03	0.11	11	Pass
NVNT	ax20	5240	Ant1	-3.39	0.03	-3.36	11	Pass
NVNT	ax20	5240	Ant2	-3.03	0.03	-3	11	Pass
NVNT	ax20	5240	Sum	-0.2	0.03	-0.17	11	Pass
NVNT	ax40	5190	Ant1	-5.58	0.03	-5.55	11	Pass
NVNT	ax40	5190	Ant2	-6.72	0.03	-6.69	11	Pass
NVNT	ax40	5190	Sum	-3.1	0.03	-3.07	11	Pass
NVNT	ax40	5230	Ant1	-6	0.03	-5.97	11	Pass
NVNT	ax40	5230	Ant2	-6.43	0.03	-6.4	11	Pass
NVNT	ax40	5230	Sum	-3.2	0.03	-3.17	11	Pass
NVNT	ax80	5210	Ant1	-8.13	0.03	-8.1	11	Pass
NVNT	ax80	5210	Ant2	-9.12	0.03	-9.09	11	Pass
NVNT	ax80	5210	Sum	-5.59	0.03	-5.56	11	Pass
NVNT	n20	5180	Ant1	-3.32	0.03	-3.29	11	Pass
NVNT	n20	5180	Ant2	-3.11	0.03	-3.08	11	Pass
NVNT	n20	5180	Sum	-0.2	0.03	-0.17	11	Pass
NVNT	n20	5200	Ant1	-2.94	0.03	-2.91	11	Pass

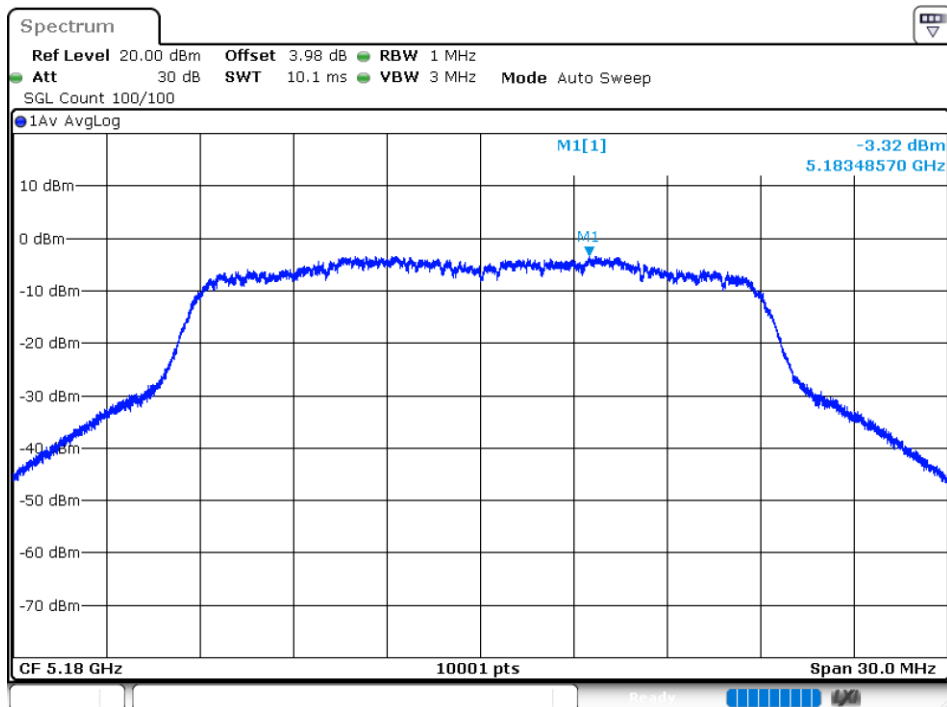
NVNT	n20	5200	Ant2	-2.67	0.03	-2.64	11	Pass
NVNT	n20	5200	Sum	0.21	0.03	0.24	11	Pass
NVNT	n20	5240	Ant1	-2.96	0.03	-2.93	11	Pass
NVNT	n20	5240	Ant2	-2.58	0.03	-2.55	11	Pass
NVNT	n20	5240	Sum	0.24	0.03	0.27	11	Pass
NVNT	n40	5190	Ant1	-5.28	0.03	-5.25	11	Pass
NVNT	n40	5190	Ant2	-5.91	0.03	-5.88	11	Pass
NVNT	n40	5190	Sum	-2.57	0.03	-2.54	11	Pass
NVNT	n40	5230	Ant1	-6.13	0.03	-6.1	11	Pass
NVNT	n40	5230	Ant2	-6.46	0.03	-6.43	11	Pass
NVNT	n40	5230	Sum	-3.28	0.03	-3.25	11	Pass

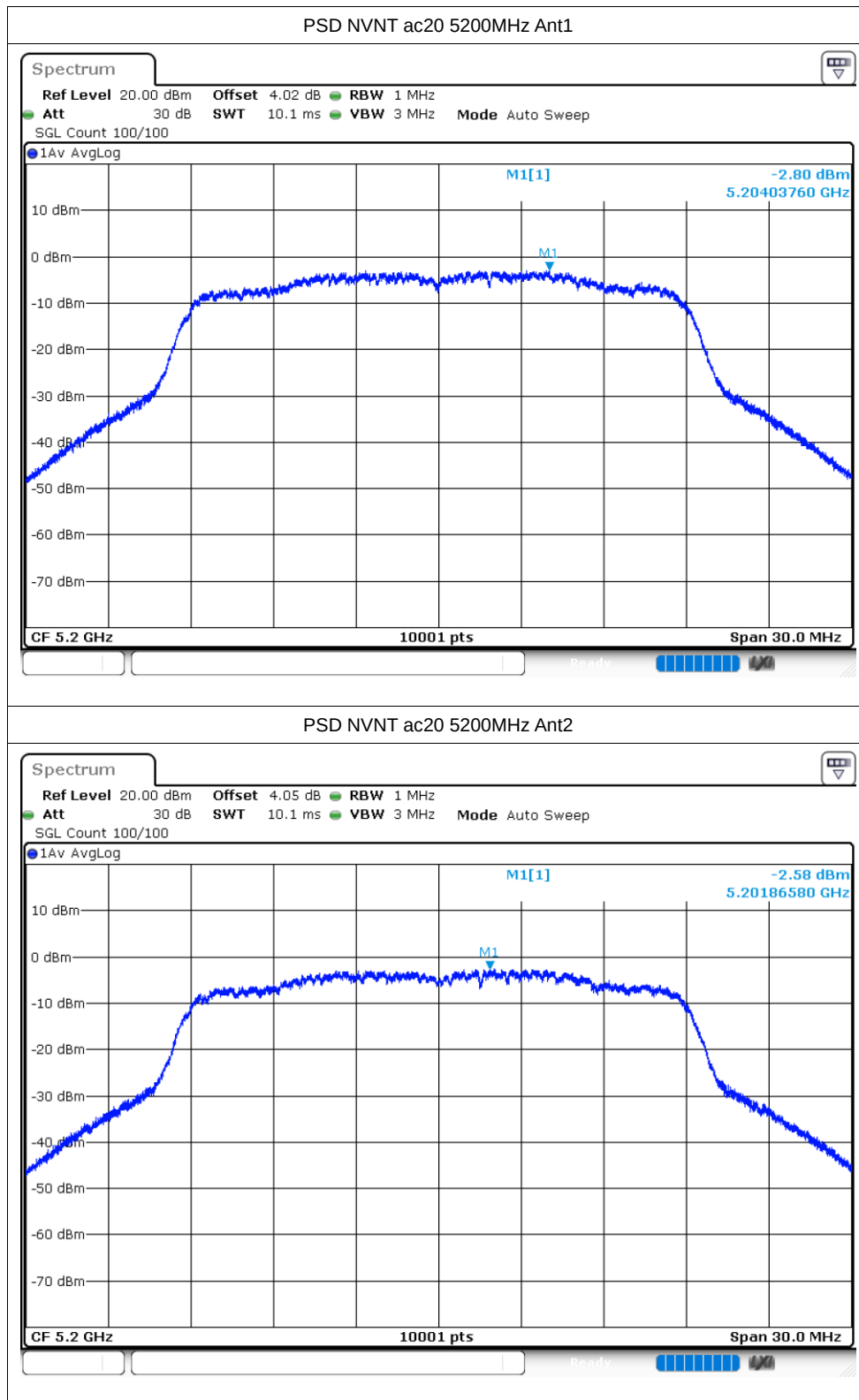
Test Graphs

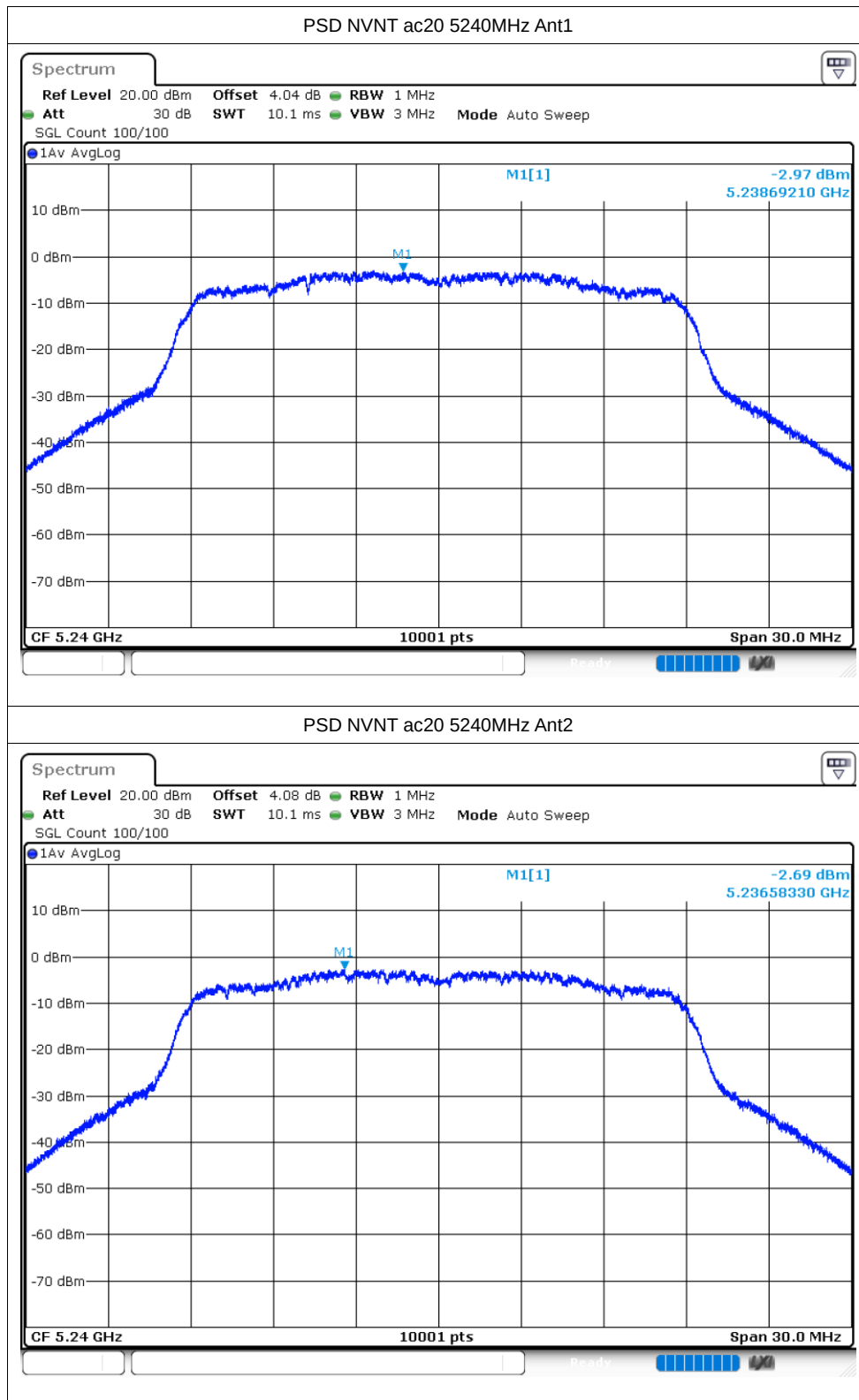
PSD NVNT ac20 5180MHz Ant1

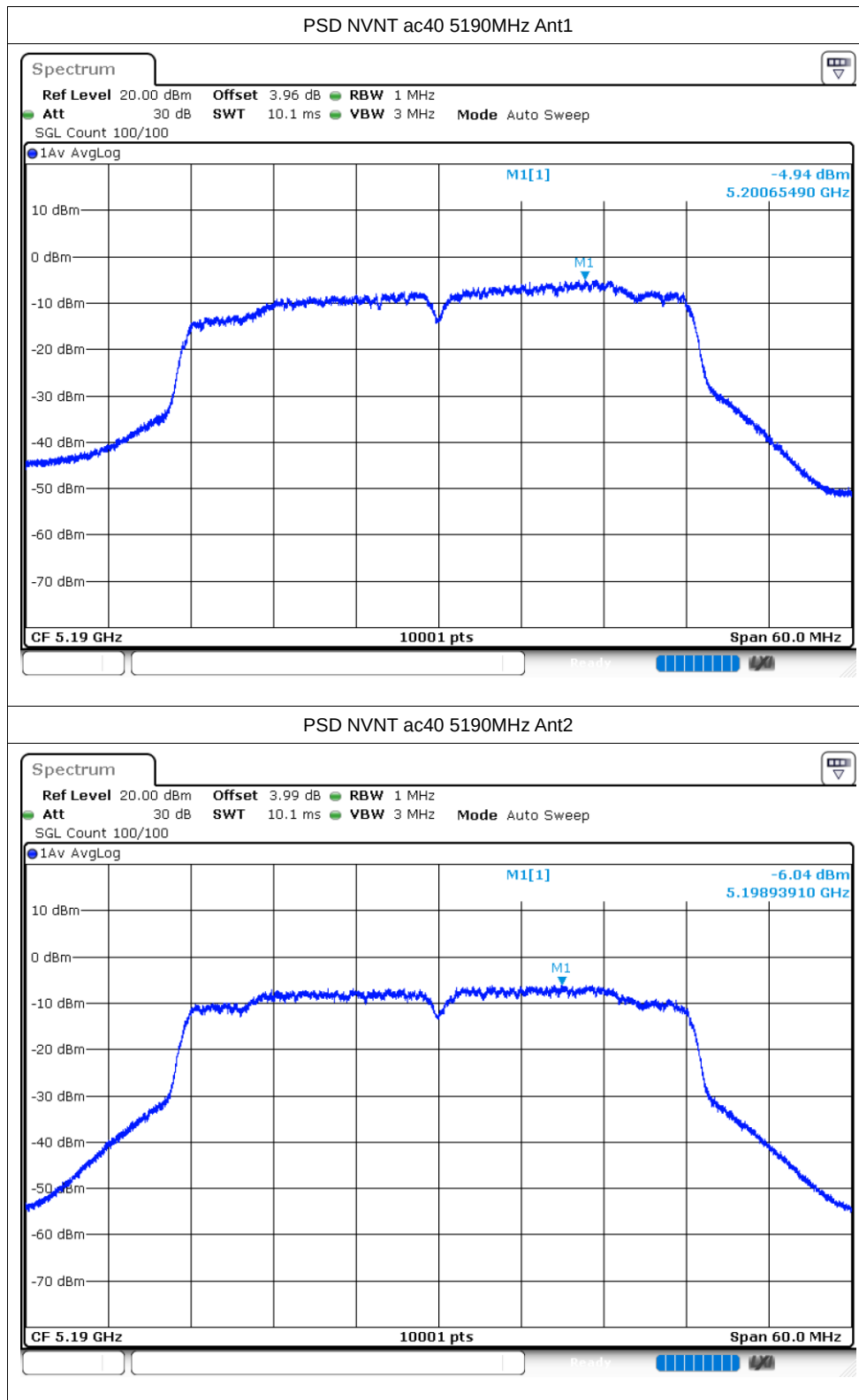


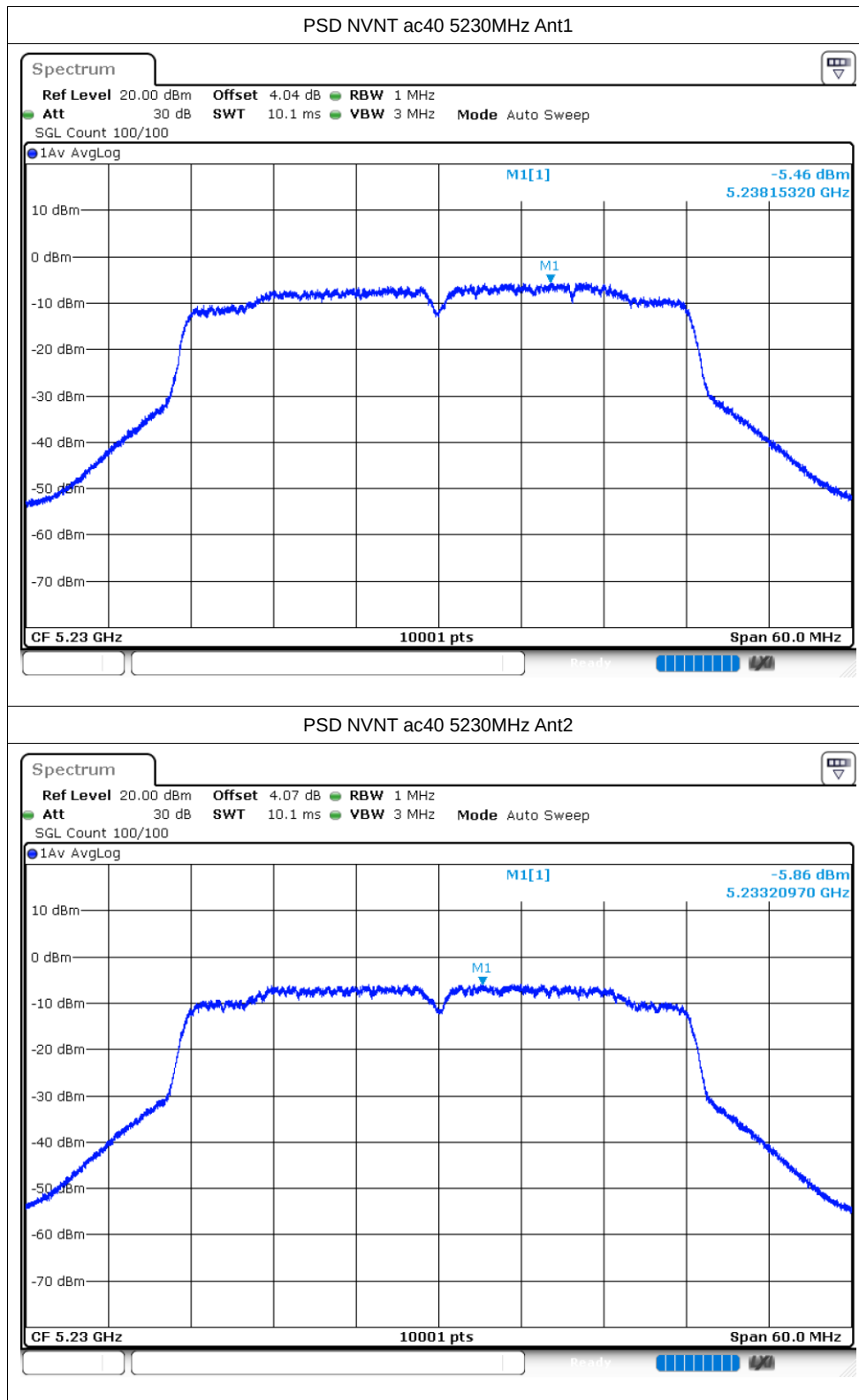
PSD NVNT ac20 5180MHz Ant2

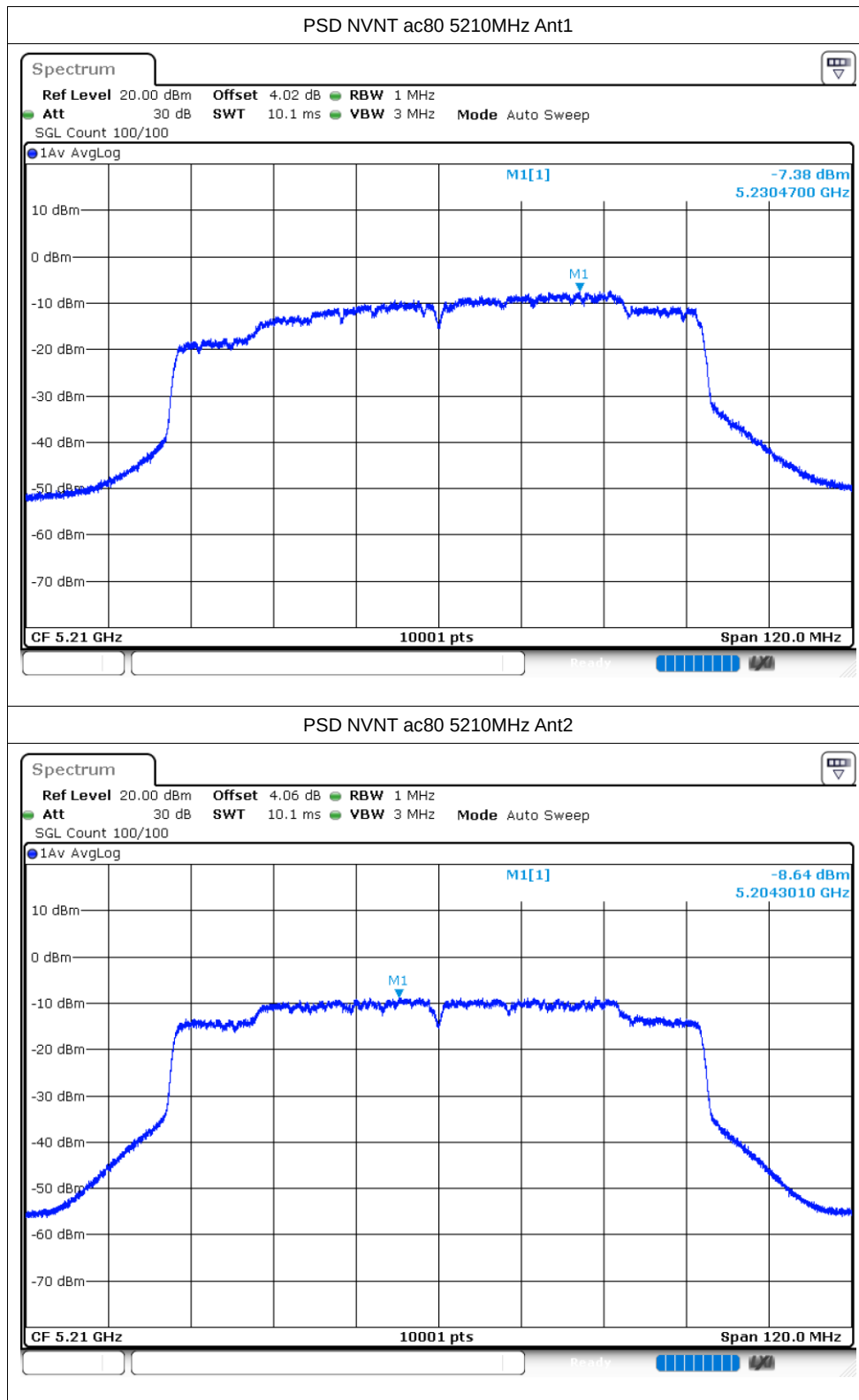


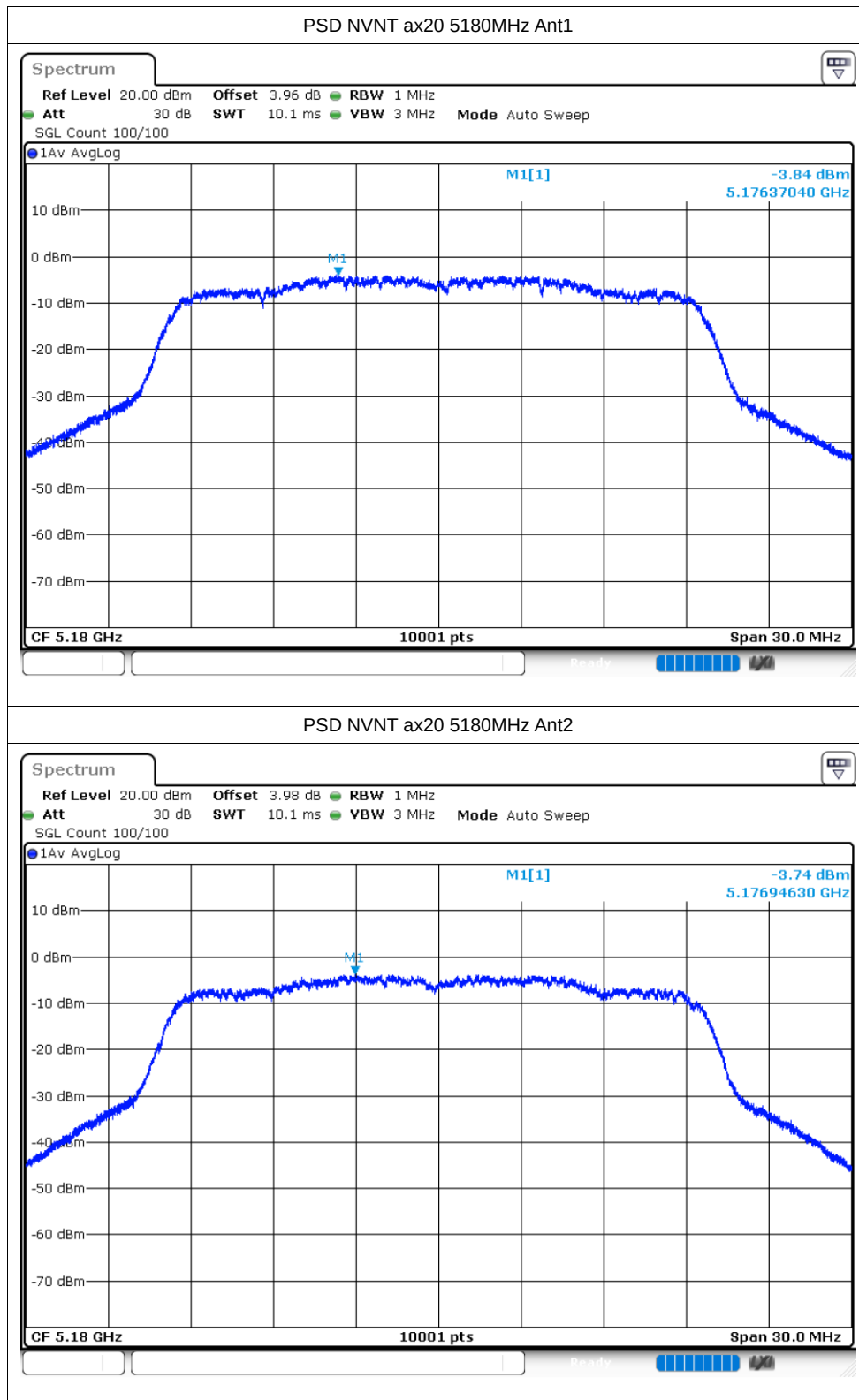


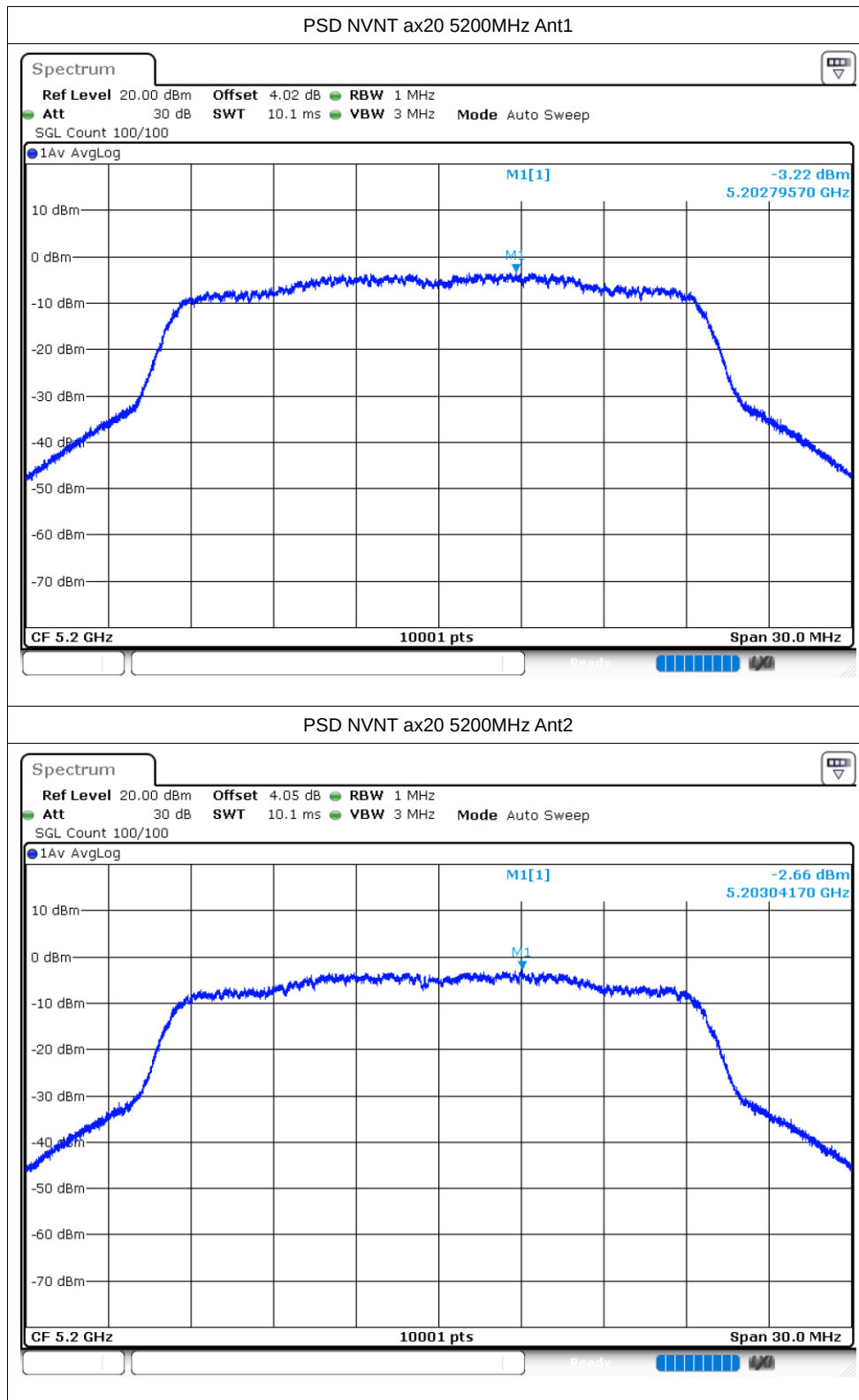


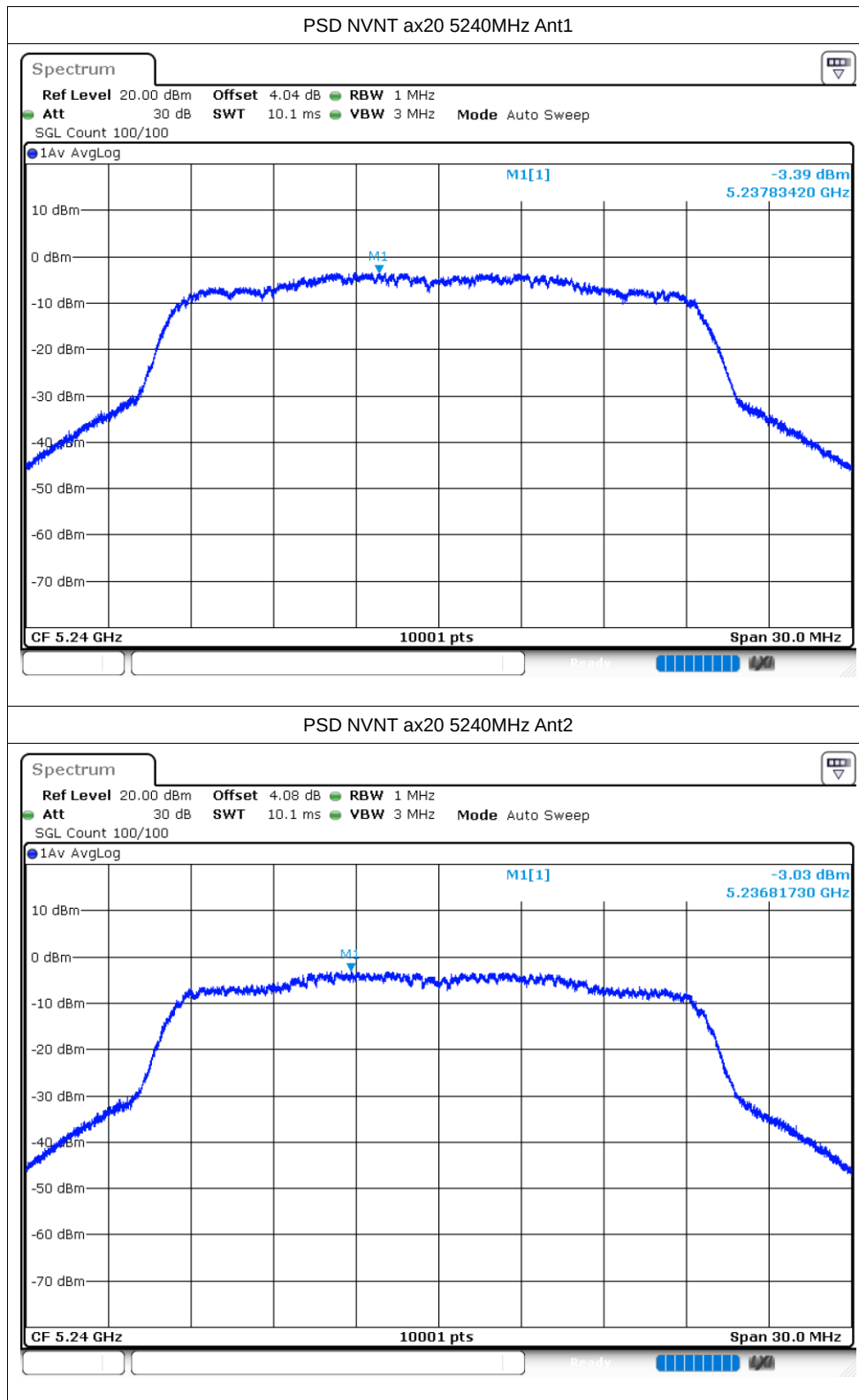


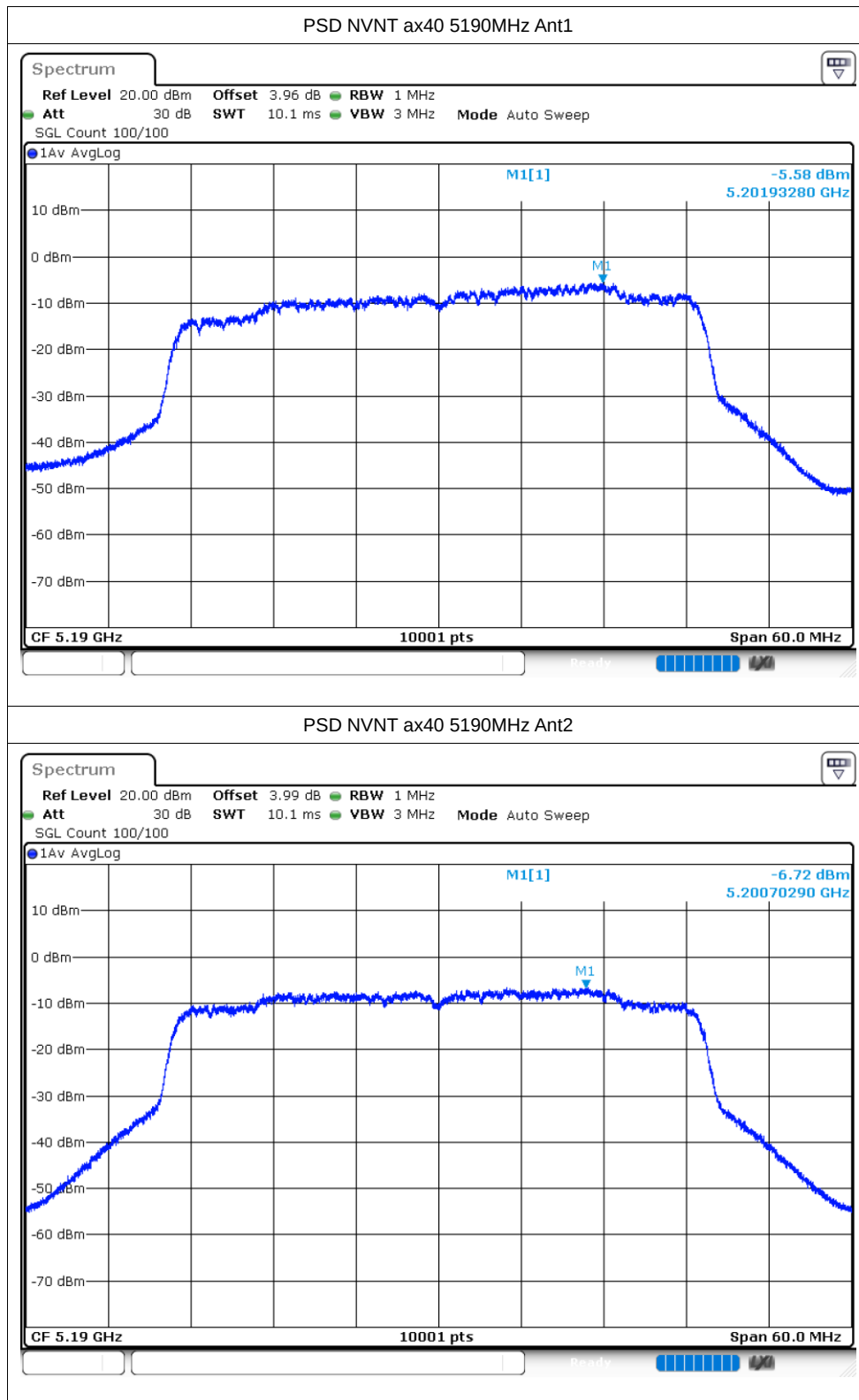


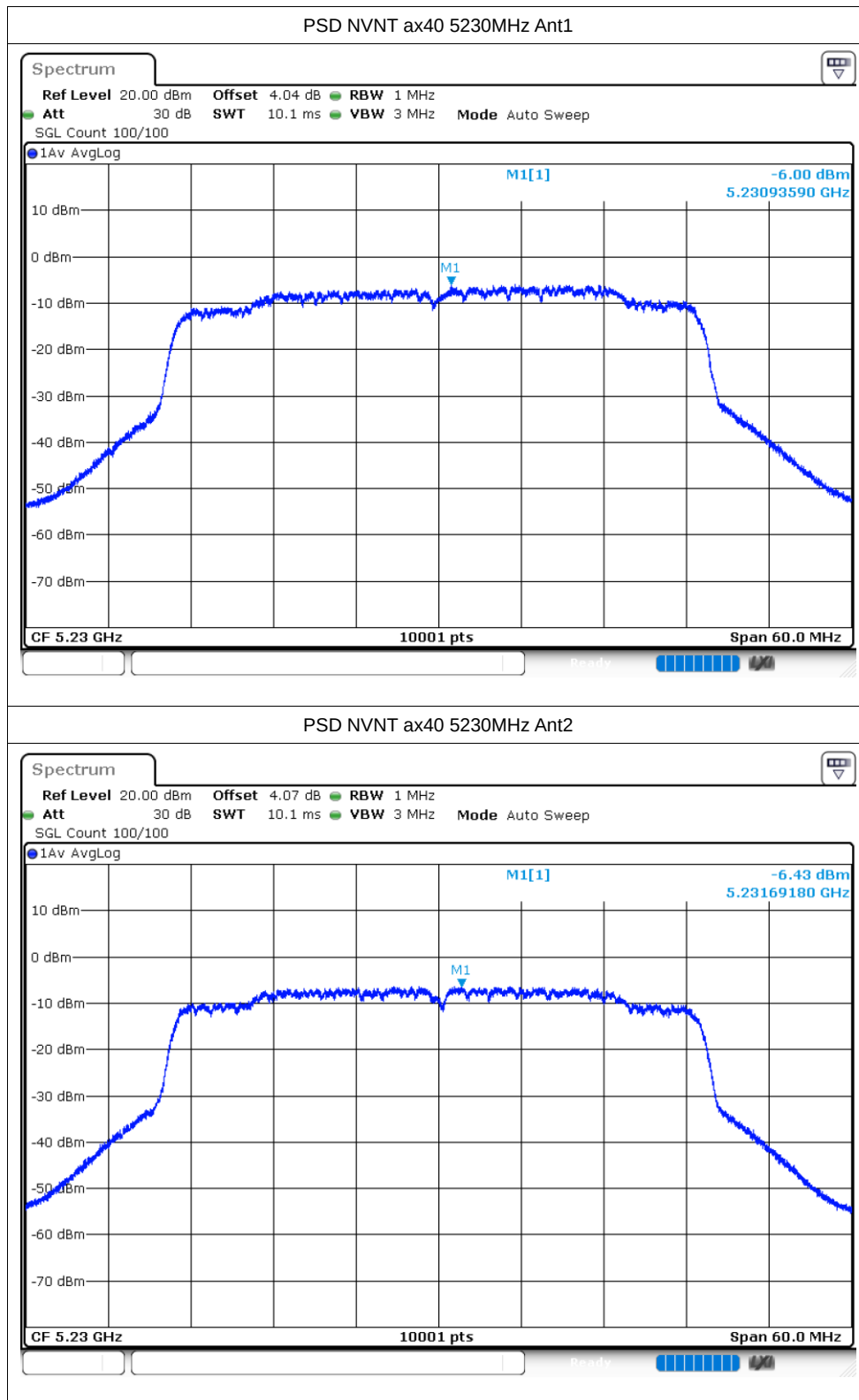


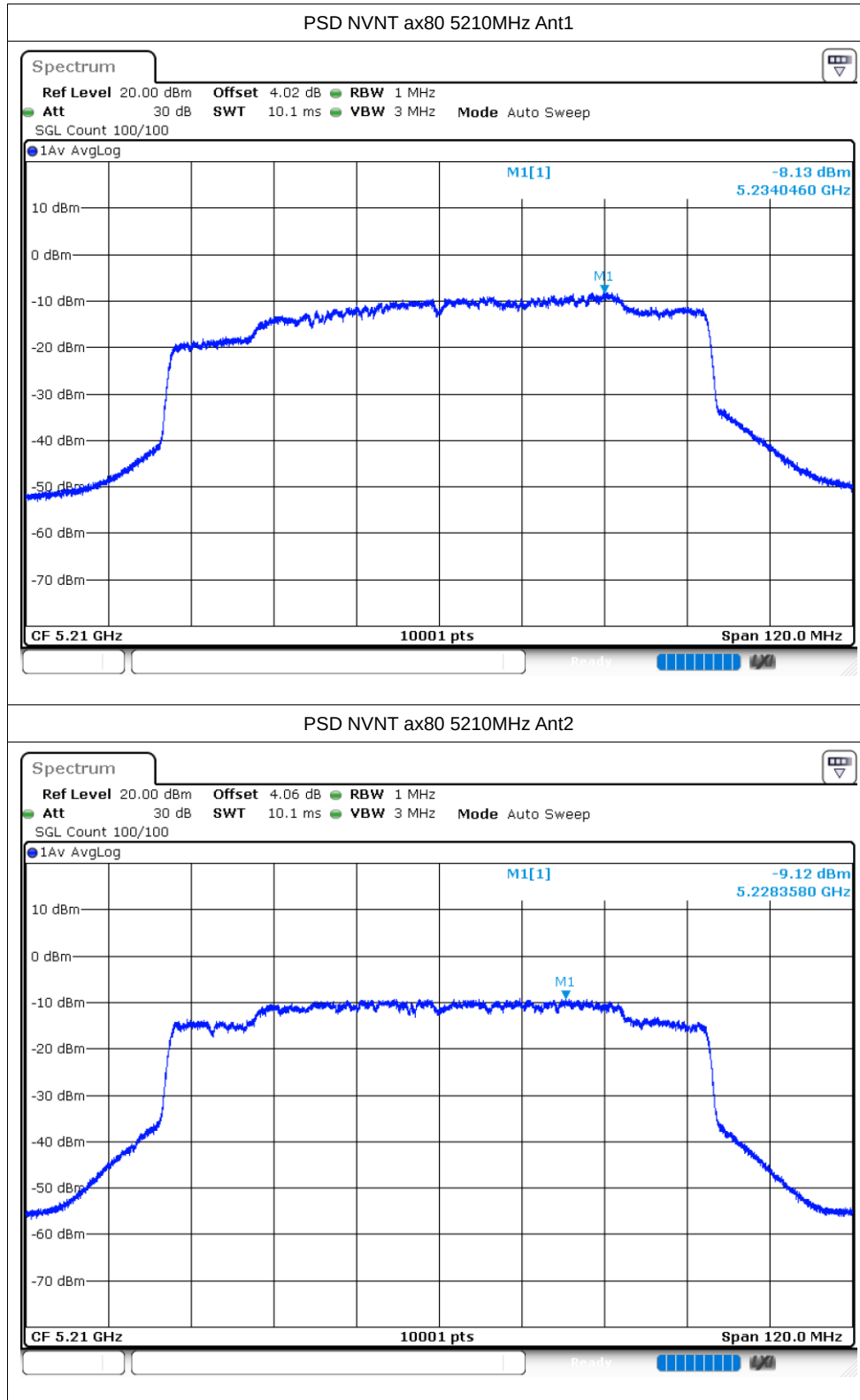


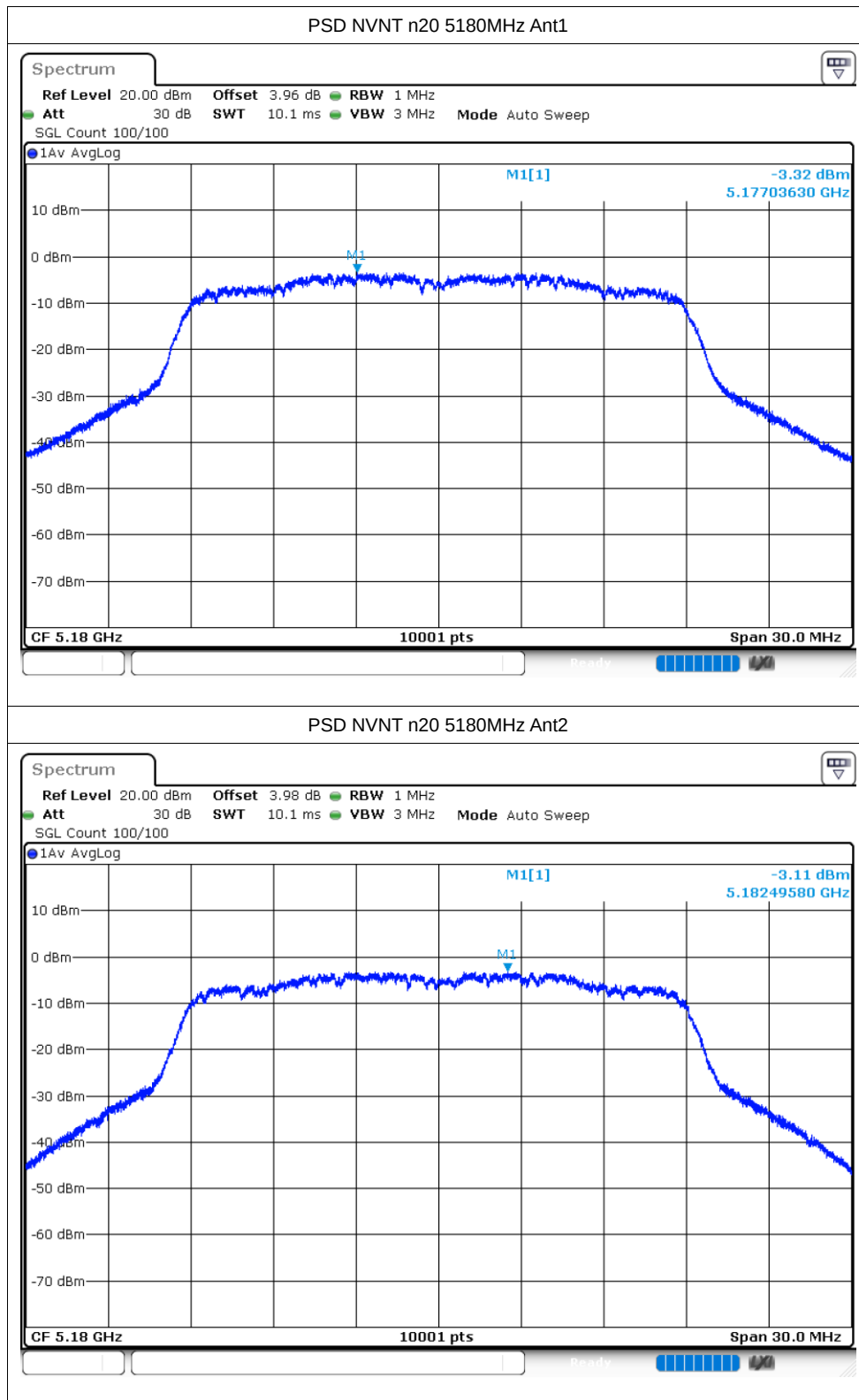


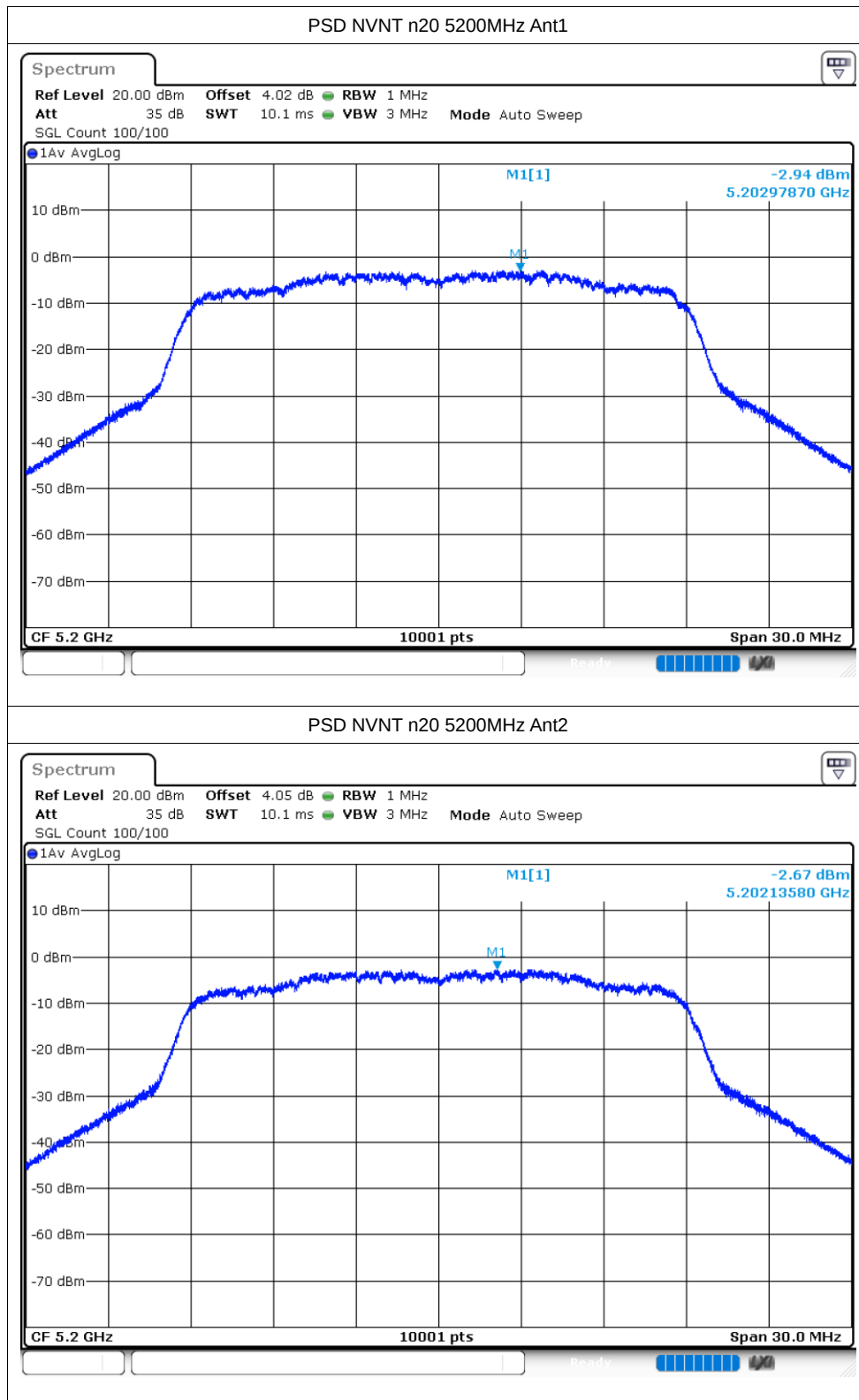


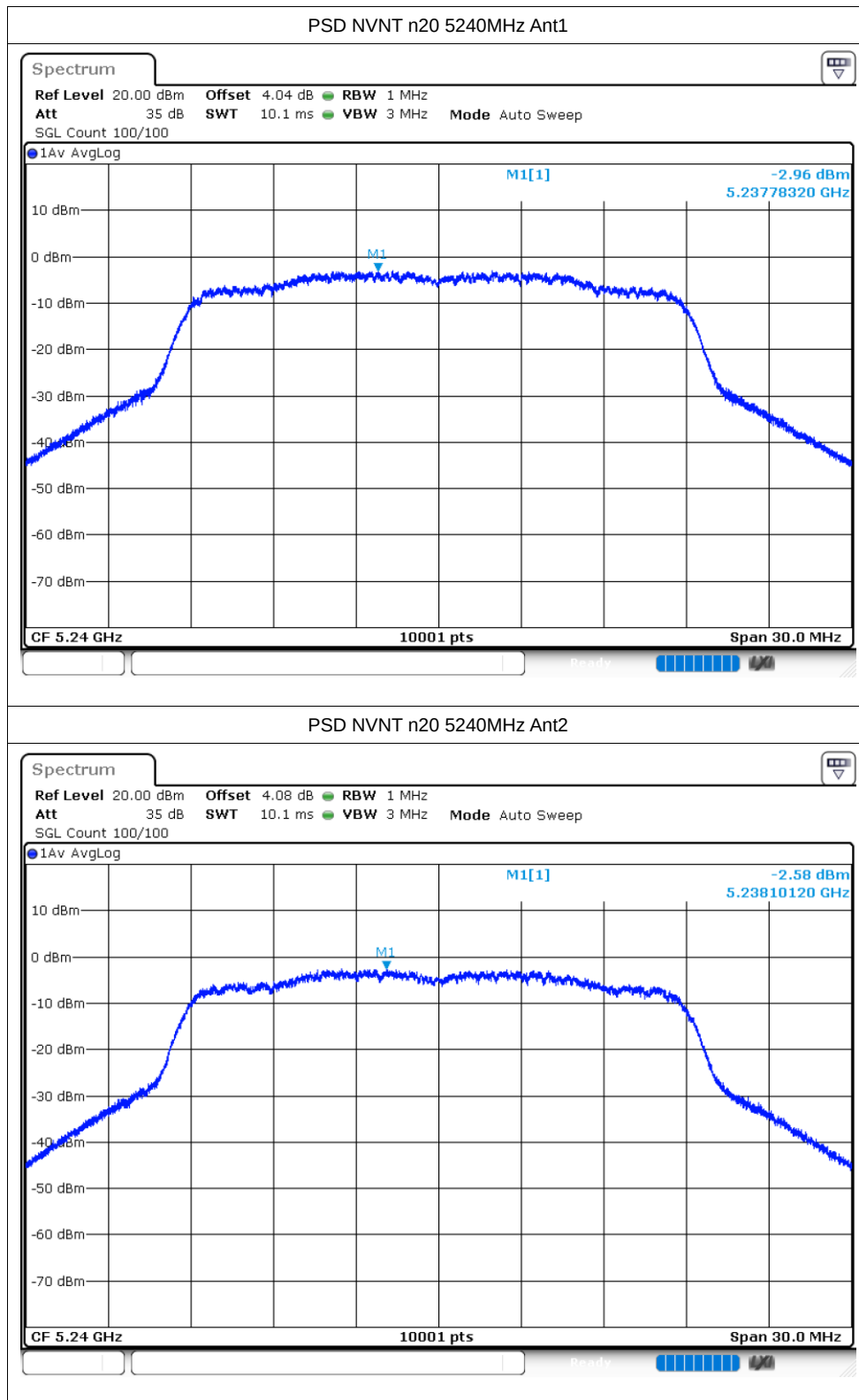


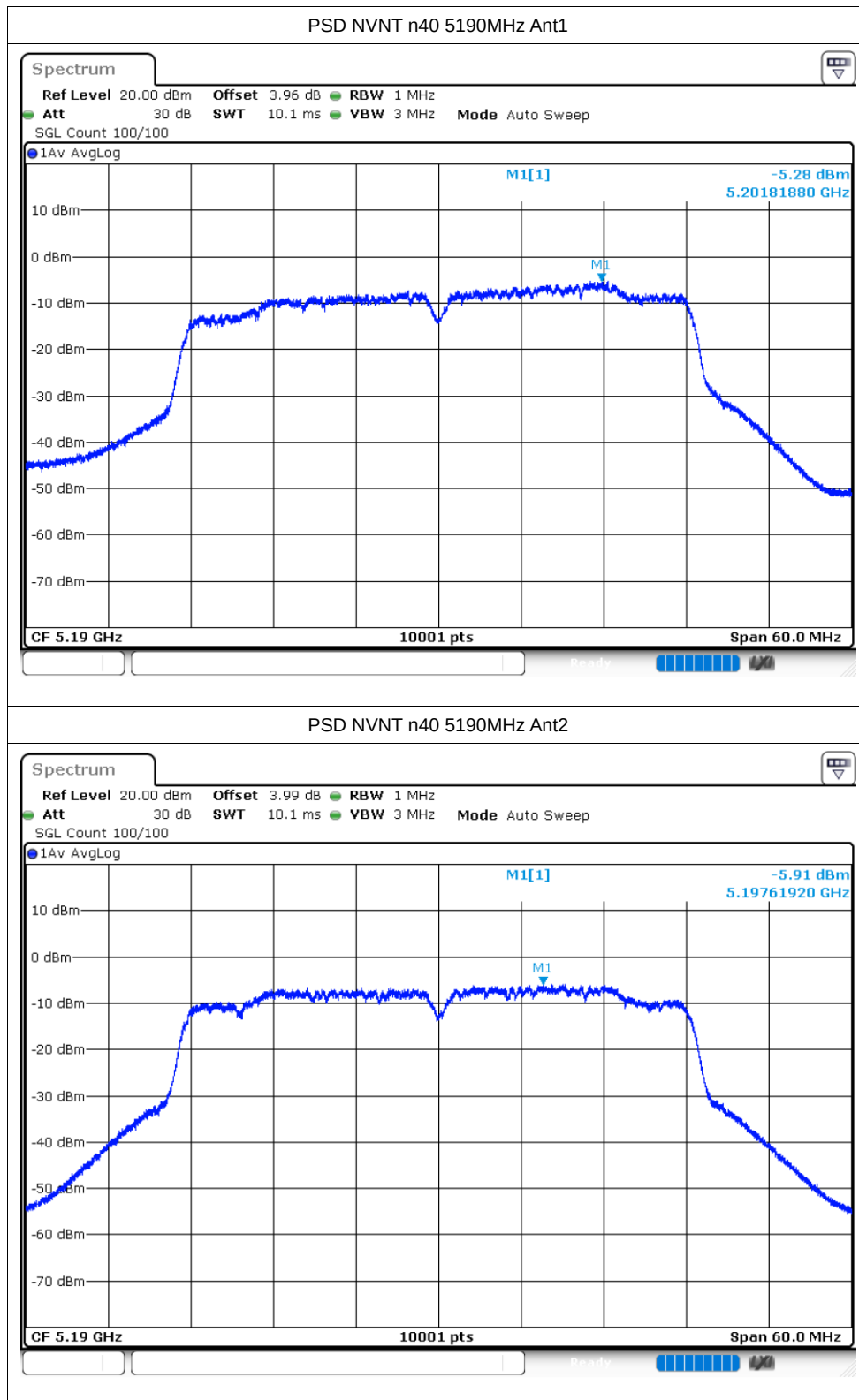


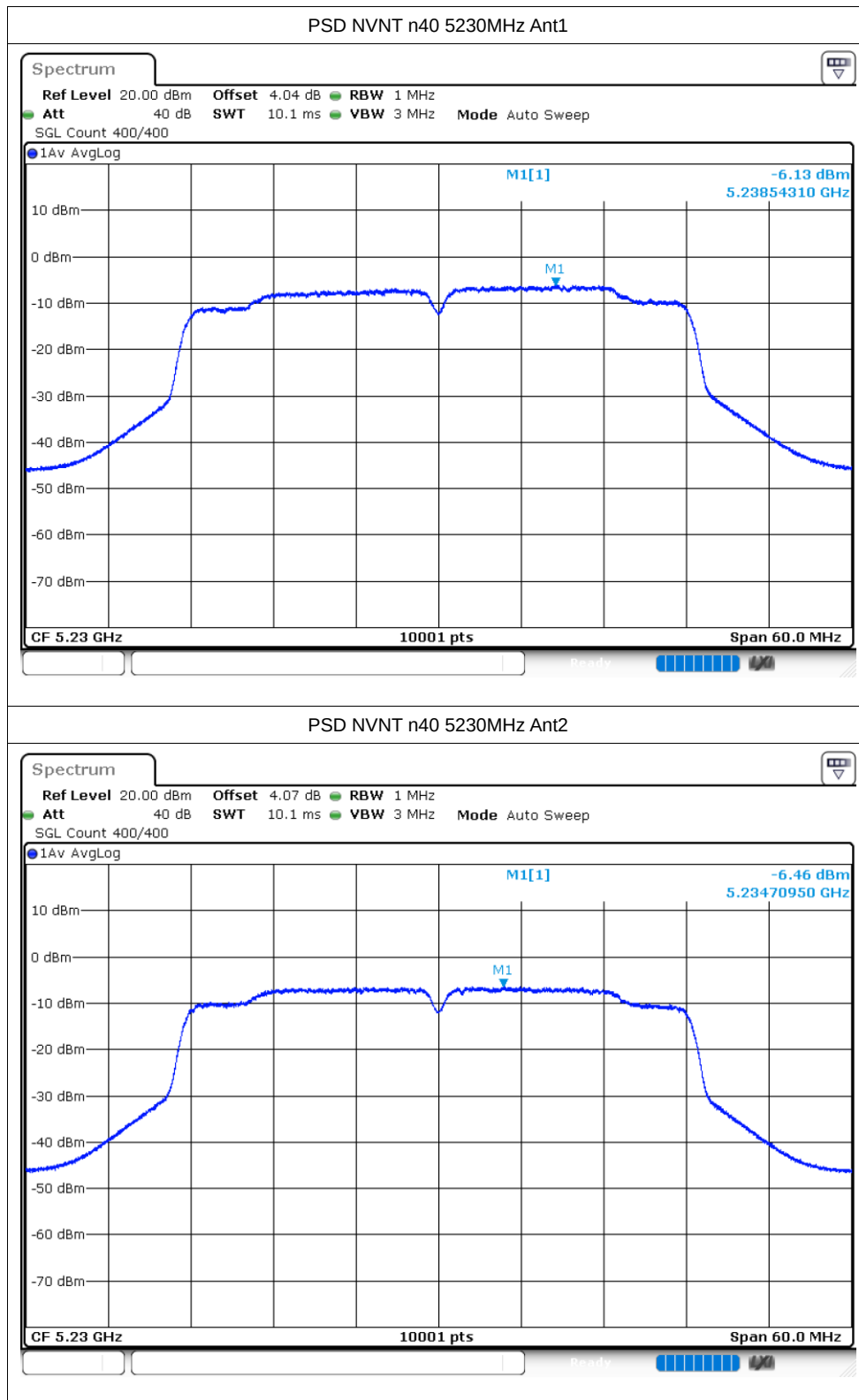












Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	ac20	5180	Ant1	-41.29	-27	Pass
NVNT	ac20	5180	Ant2	-37.18	-27	Pass
NVNT	ac20	5240	Ant1	-41.28	-27	Pass
NVNT	ac20	5240	Ant2	-36.52	-27	Pass
NVNT	ac40	5190	Ant1	-34.52	-27	Pass
NVNT	ac40	5190	Ant2	-36.27	-27	Pass
NVNT	ac40	5230	Ant1	-41.45	-27	Pass
NVNT	ac40	5230	Ant2	-36.61	-27	Pass
NVNT	ac80	5210	Ant1	-40.27	-27	Pass
NVNT	ac80	5210	Ant2	-37.25	-27	Pass
NVNT	ax20	5180	Ant1	-41.12	-27	Pass
NVNT	ax20	5180	Ant2	-36.65	-27	Pass
NVNT	ax20	5240	Ant1	-41.2	-27	Pass
NVNT	ax20	5240	Ant2	-36.58	-27	Pass
NVNT	ax40	5190	Ant1	-35.24	-27	Pass
NVNT	ax40	5190	Ant2	-36.33	-27	Pass
NVNT	ax40	5230	Ant1	-40.65	-27	Pass
NVNT	ax40	5230	Ant2	-36.93	-27	Pass
NVNT	ax80	5210	Ant1	-41.4	-27	Pass
NVNT	ax80	5210	Ant2	-37.19	-27	Pass
NVNT	n20	5180	Ant1	-41.07	-27	Pass
NVNT	n20	5180	Ant2	-41.63	-27	Pass
NVNT	n20	5240	Ant1	-40.98	-27	Pass
NVNT	n20	5240	Ant2	-36.21	-27	Pass
NVNT	n40	5190	Ant1	-35.23	-27	Pass
NVNT	n40	5190	Ant2	-37.01	-27	Pass
NVNT	n40	5230	Ant1	-43.76	-27	Pass
NVNT	n40	5230	Ant2	-41.1	-27	Pass

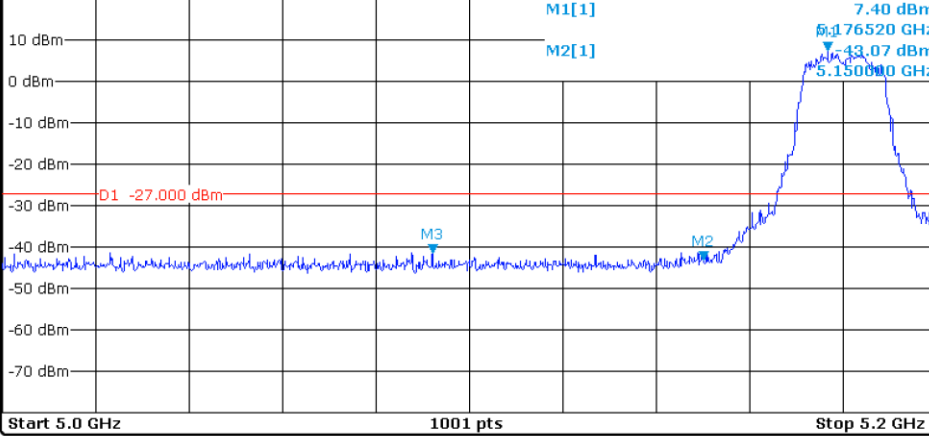
Test Graphs

Band Edge NVNT ac20 5180MHz Low Ant1

Spectrum

Ref Level 20.00 dBm Offset 5.66 dB RBW 1 MHz
 Att 30 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
 SGL Count 100/100

1Pk Max



Marker

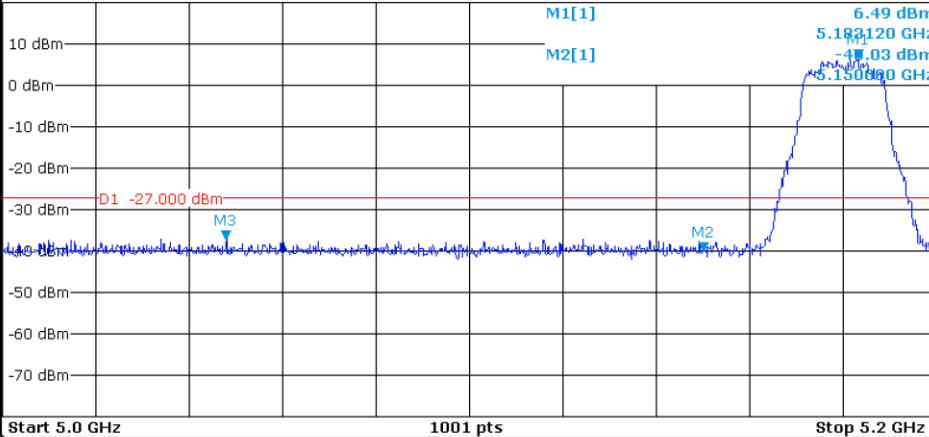
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.17652 GHz	7.40 dBm		
M2	1		5.15 GHz	-43.07 dBm		
M3	1		5.0922 GHz	-41.30 dBm		

Band Edge NVNT ac20 5180MHz Low Ant2

Spectrum

Ref Level 20.00 dBm Offset 4.71 dB RBW 1 MHz
 Att 35 dB SWT 1 ms VBW 3 MHz Mode Auto Sweep
 SGL Count 100/100

1Pk Max



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.18312 GHz	6.49 dBm		
M2	1		5.15 GHz	-40.03 dBm		
M3	1		5.048 GHz	-37.18 dBm		

