

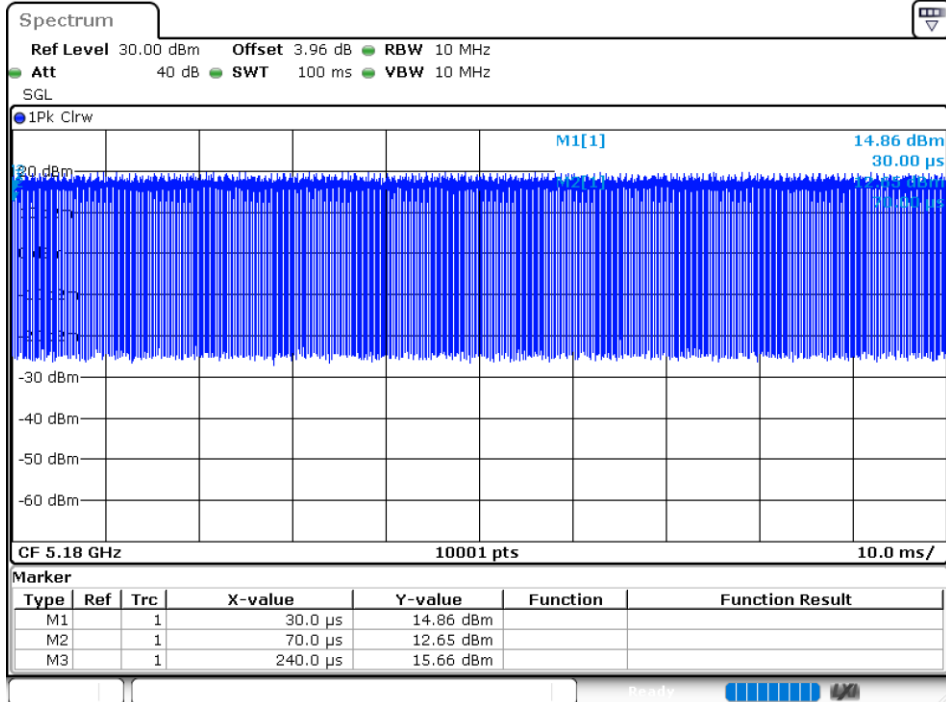
WIFI 5.2G:

Duty Cycle

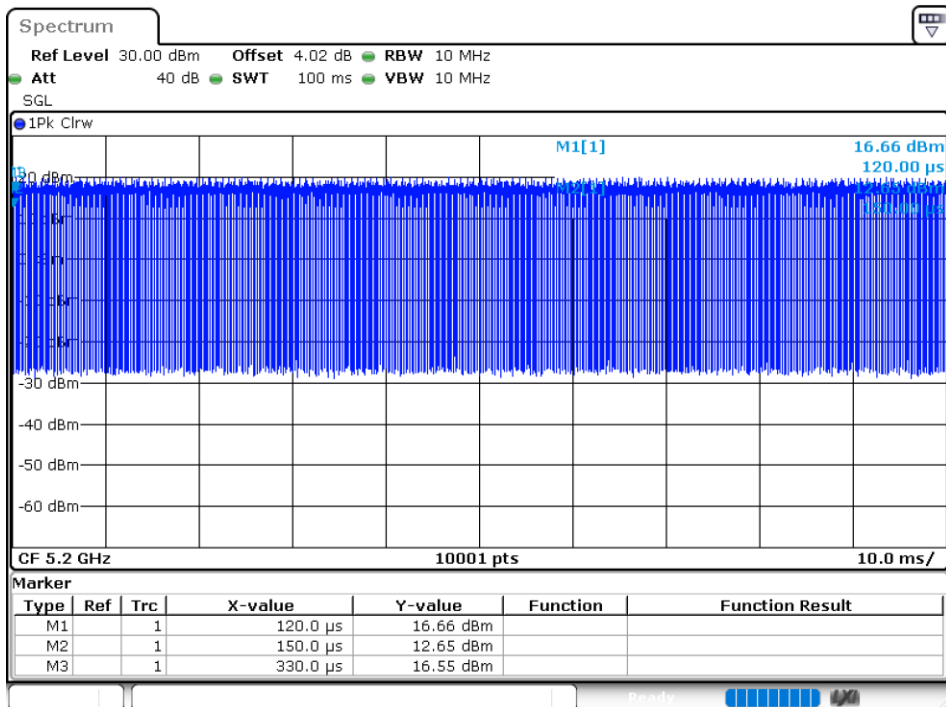
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	95.68	0.19	0.72
NVNT	a	5200	Ant1	95.69	0.19	0.72
NVNT	a	5240	Ant1	96.54	0.15	0.70
NVNT	n20	5180	Ant1	98.08	0.08	0.77
NVNT	n20	5200	Ant1	98.05	0.09	0.77
NVNT	n20	5240	Ant1	98.05	0.09	0.77
NVNT	ac20	5180	Ant1	97.65	0.10	0.76
NVNT	ac20	5200	Ant1	98.07	0.08	0.76
NVNT	ac20	5240	Ant1	98.07	0.08	0.76
NVNT	ax20	5180	Ant1	97.54	0.11	0.98
NVNT	ax20	5200	Ant1	97.54	0.11	0.98
NVNT	ax20	5240	Ant1	97.54	0.11	0.98

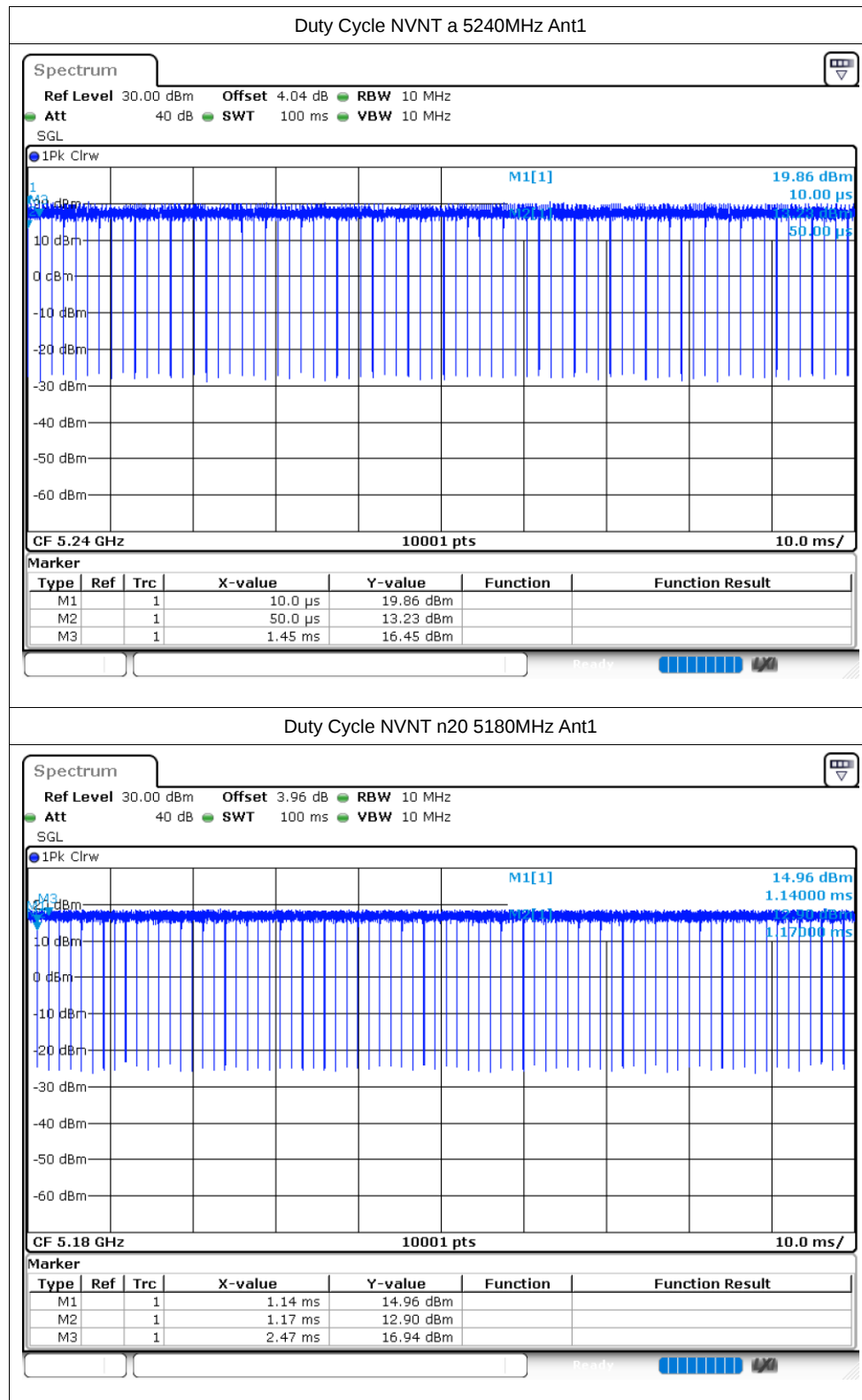
Test Graphs

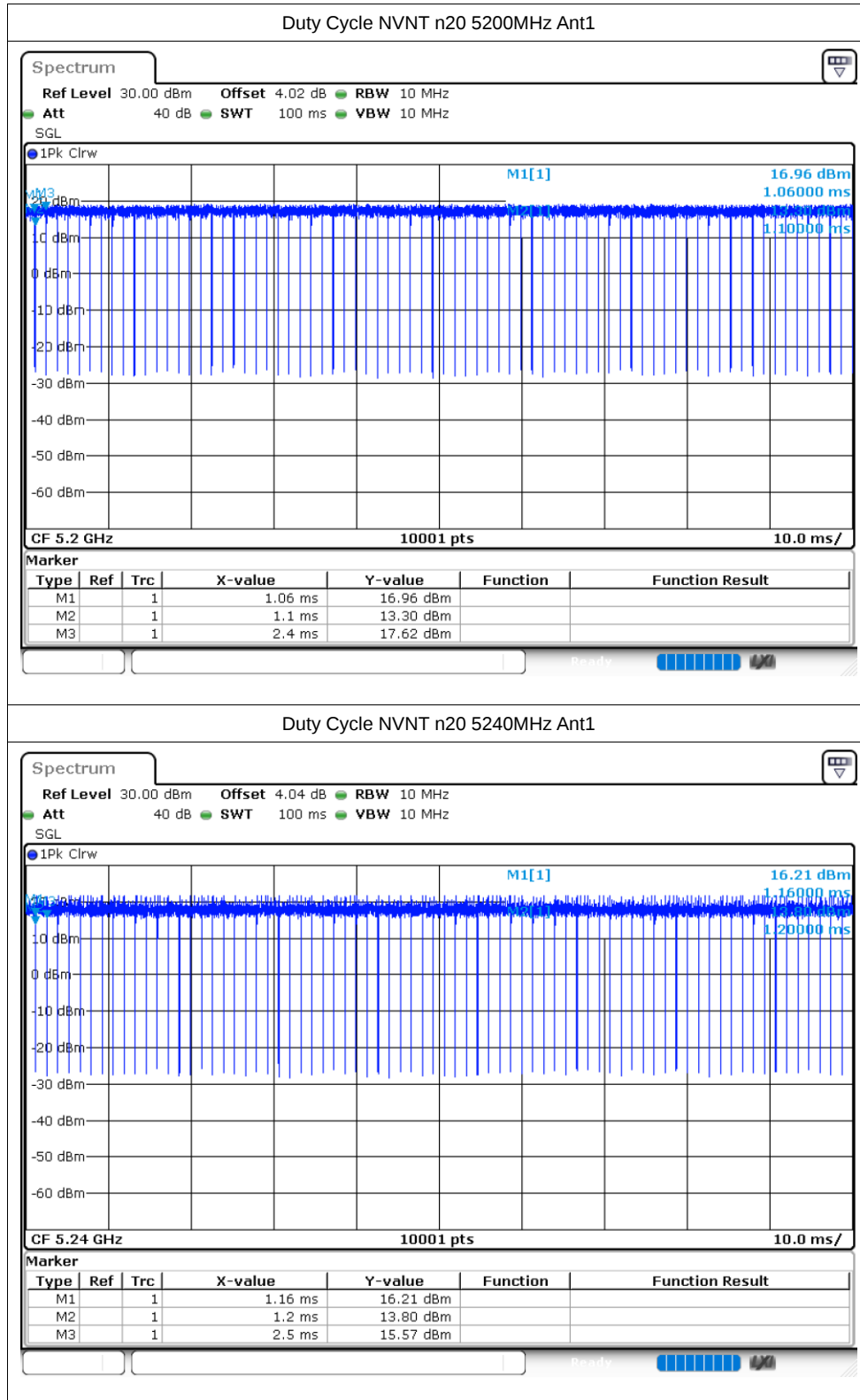
Duty Cycle NVNT a 5180MHz Ant1

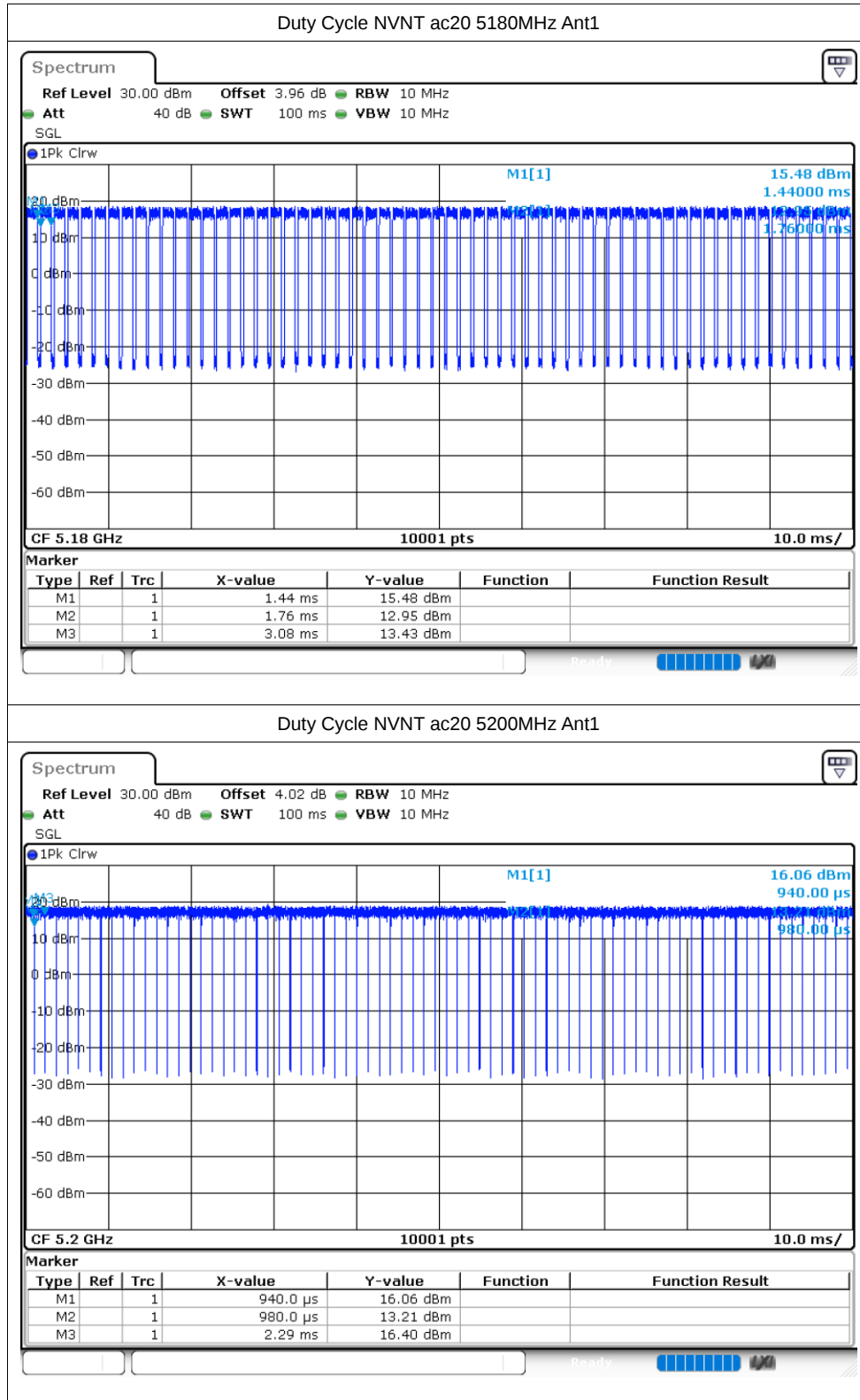


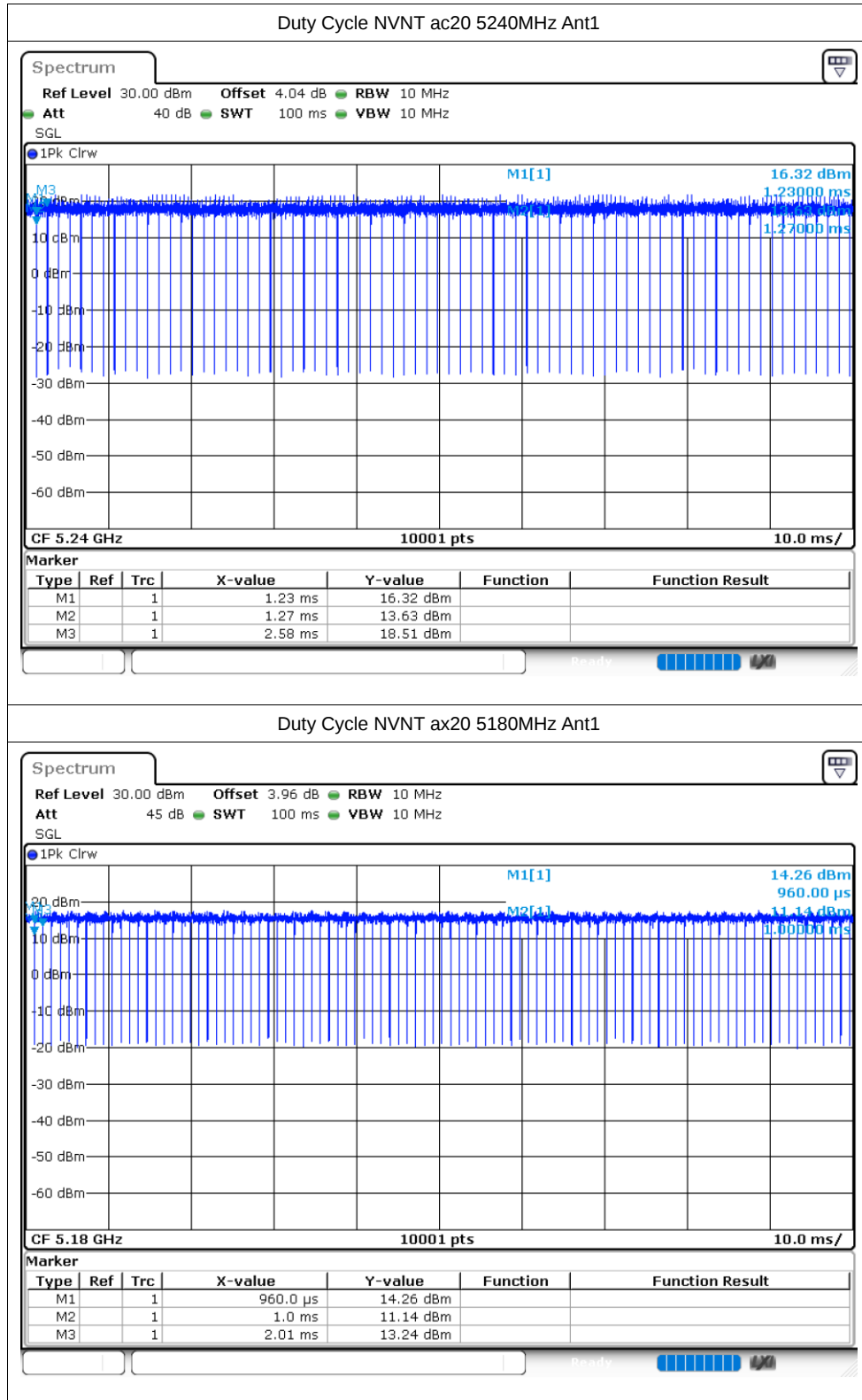
Duty Cycle NVNT a 5200MHz Ant1

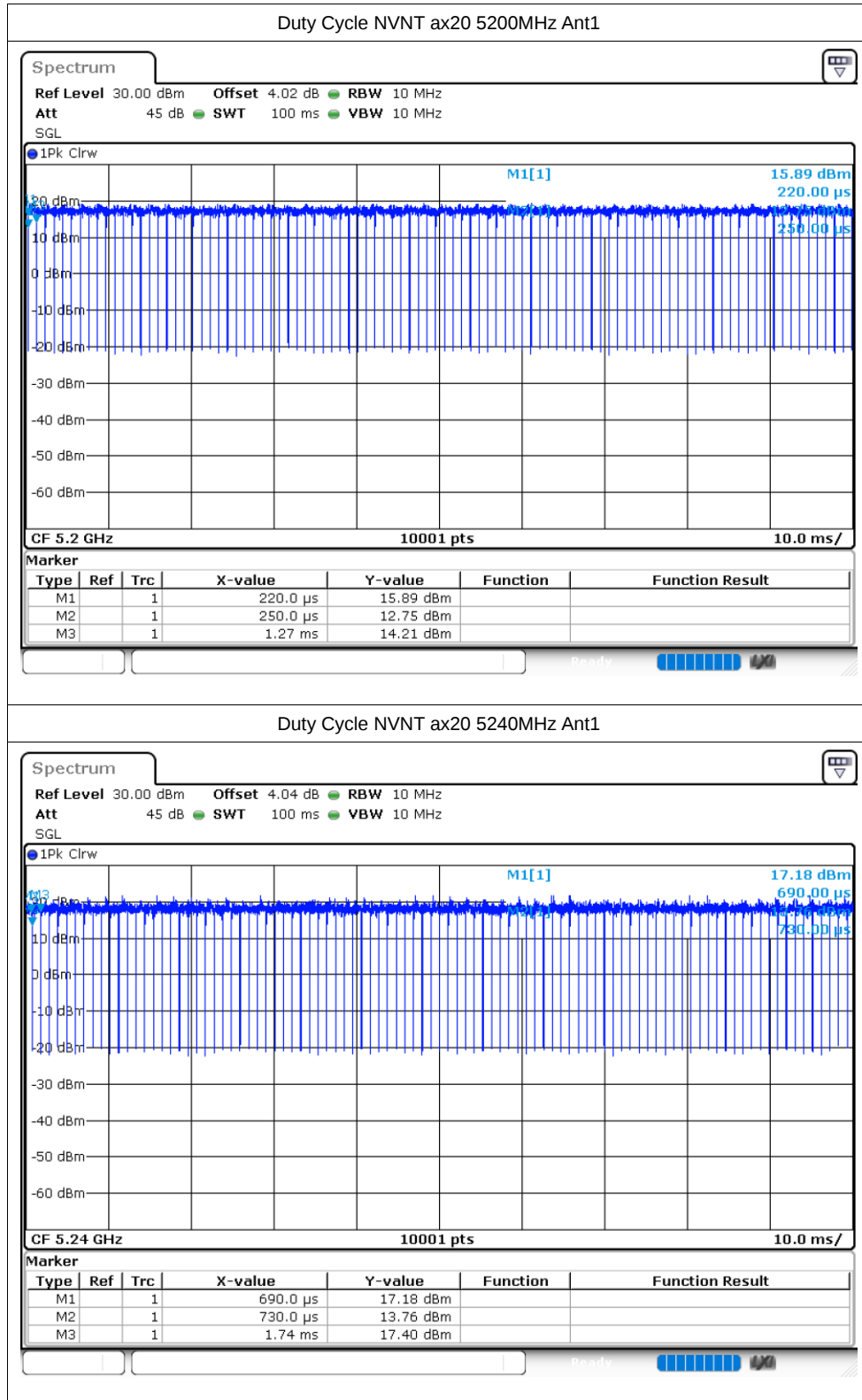












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.43	24	Pass
NVNT	a	5200	Ant1	11.38	24	Pass
NVNT	a	5240	Ant1	11.27	24	Pass
NVNT	n20	5180	Ant1	12.16	24	Pass
NVNT	n20	5200	Ant1	11.77	24	Pass
NVNT	n20	5240	Ant1	11.76	24	Pass
NVNT	ac20	5180	Ant1	12.05	24	Pass
NVNT	ac20	5200	Ant1	11.99	24	Pass
NVNT	ac20	5240	Ant1	12.08	24	Pass
NVNT	ax20	5180	Ant1	11.98	24	Pass
NVNT	ax20	5200	Ant1	12.3	24	Pass
NVNT	ax20	5240	Ant1	12.25	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.512	Pass
NVNT	a	5200	Ant1	19.776	Pass
NVNT	a	5240	Ant1	19.041	Pass
NVNT	n20	5180	Ant1	20.148	Pass
NVNT	n20	5200	Ant1	20.109	Pass
NVNT	n20	5240	Ant1	20.301	Pass
NVNT	ac20	5180	Ant1	20.331	Pass
NVNT	ac20	5200	Ant1	20.142	Pass
NVNT	ac20	5240	Ant1	20.196	Pass
NVNT	ax20	5180	Ant1	20.472	Pass
NVNT	ax20	5200	Ant1	20.232	Pass
NVNT	ax20	5240	Ant1	20.322	Pass

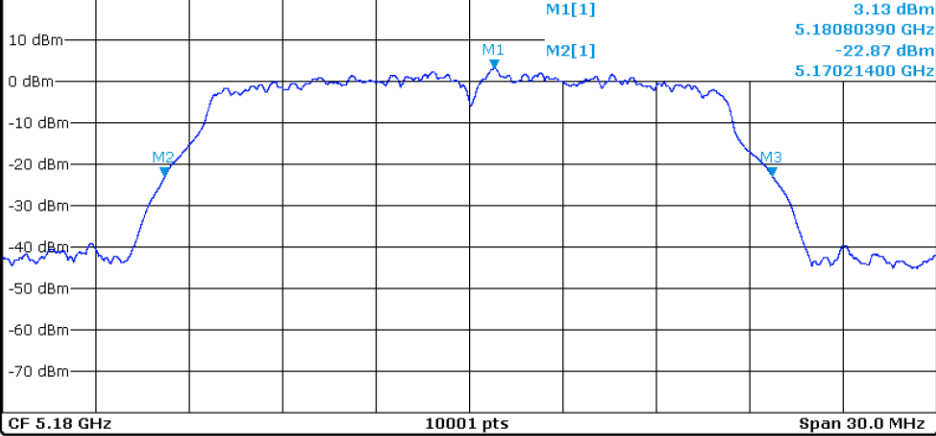
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 3.96 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

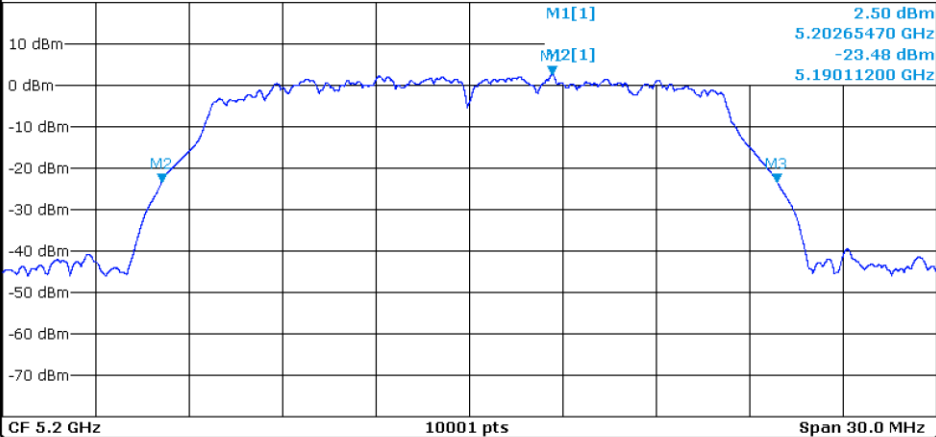
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1808039 GHz	3.13 dBm		
M2	1		5.170214 GHz	-22.87 dBm		
M3	1		5.189726 GHz	-22.87 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

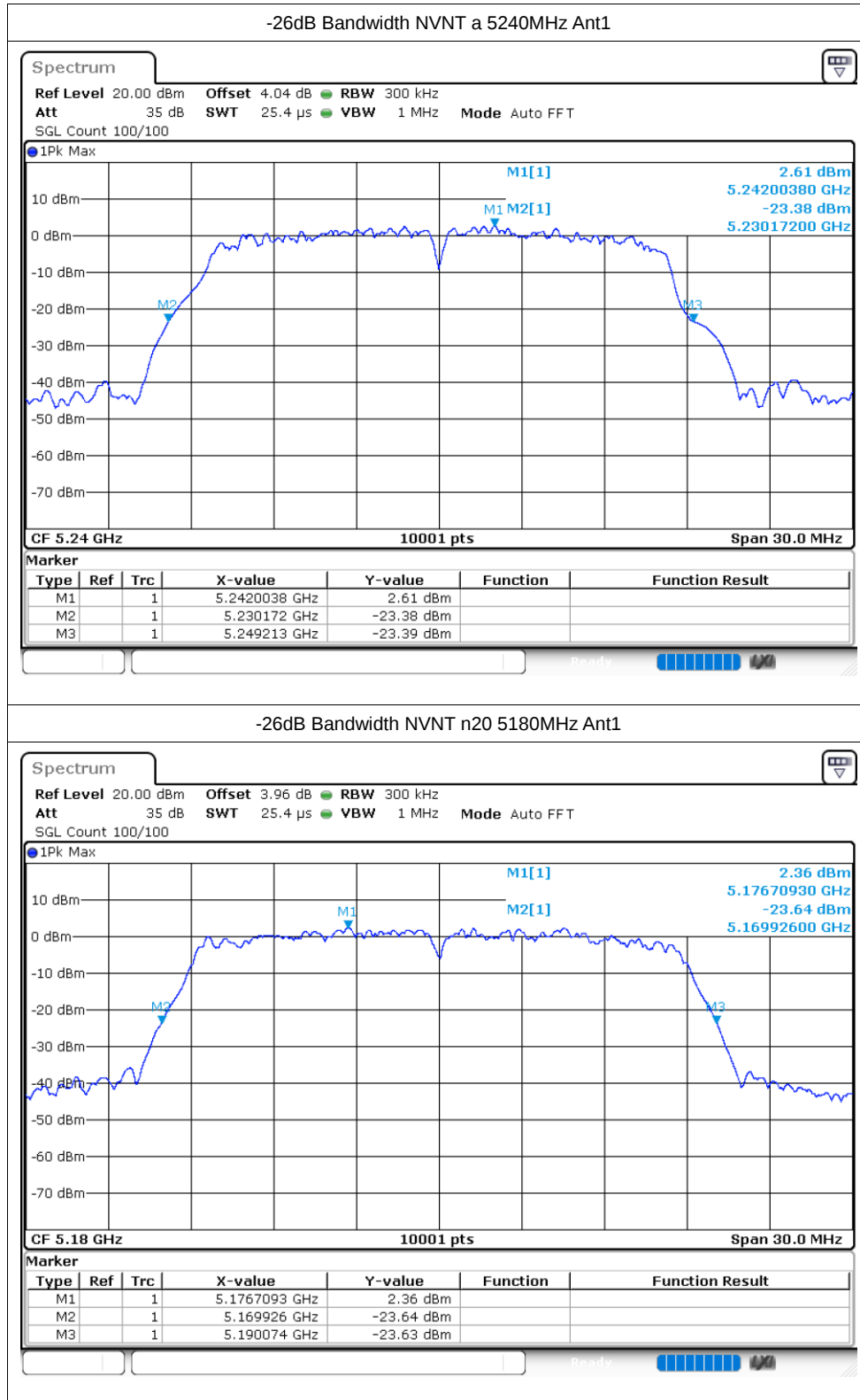
Ref Level 20.00 dBm Offset 4.02 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

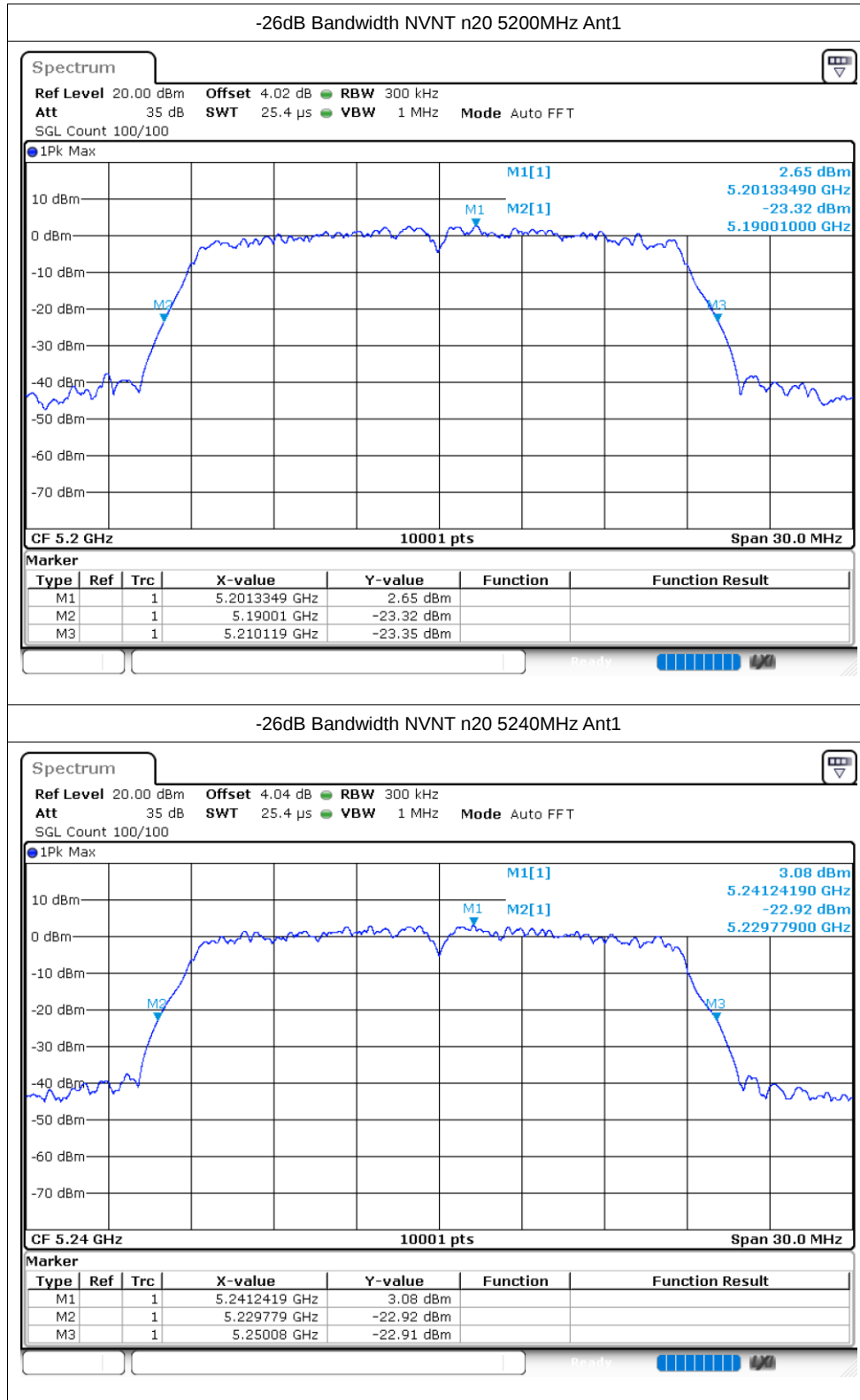
1Pk Max

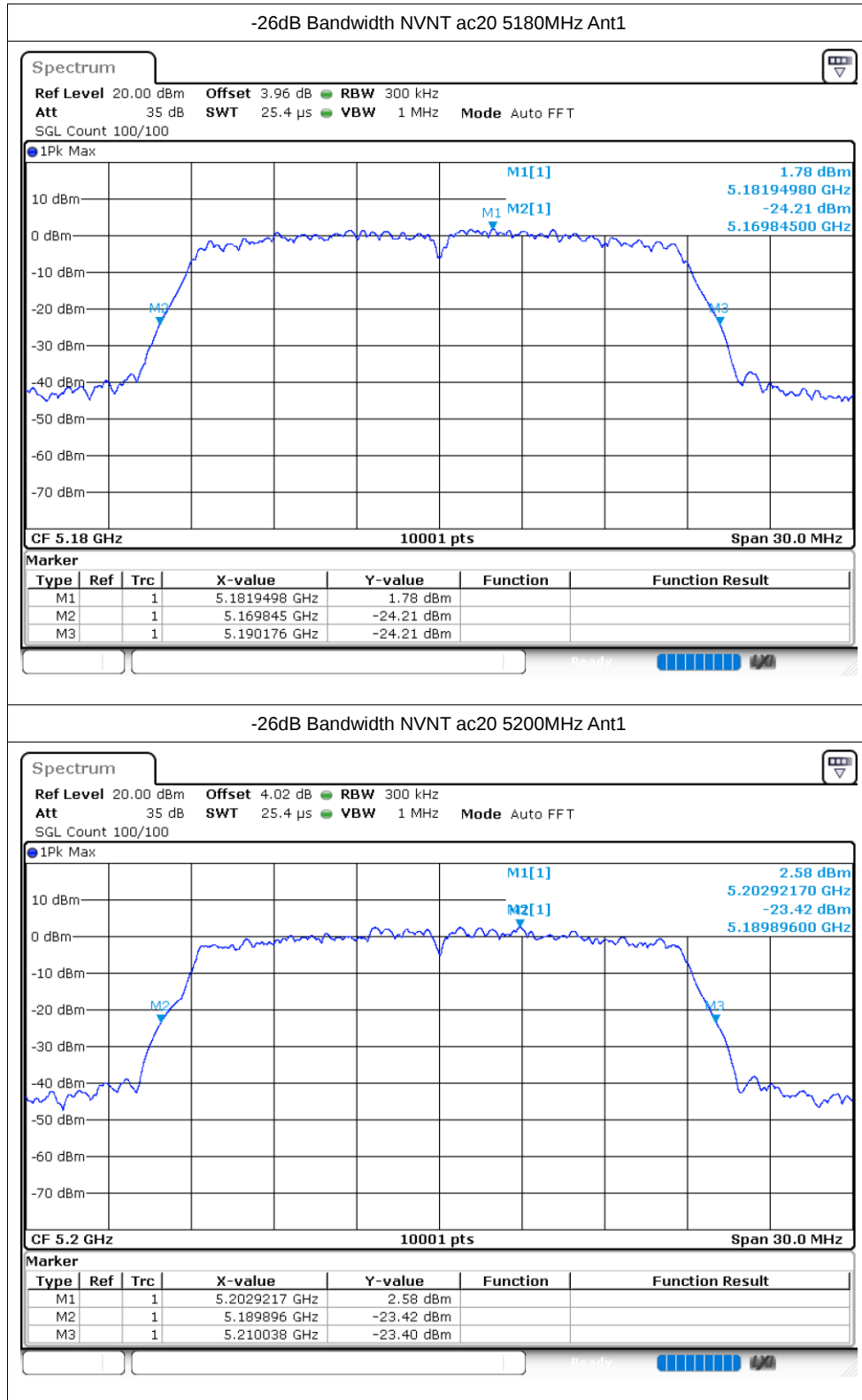


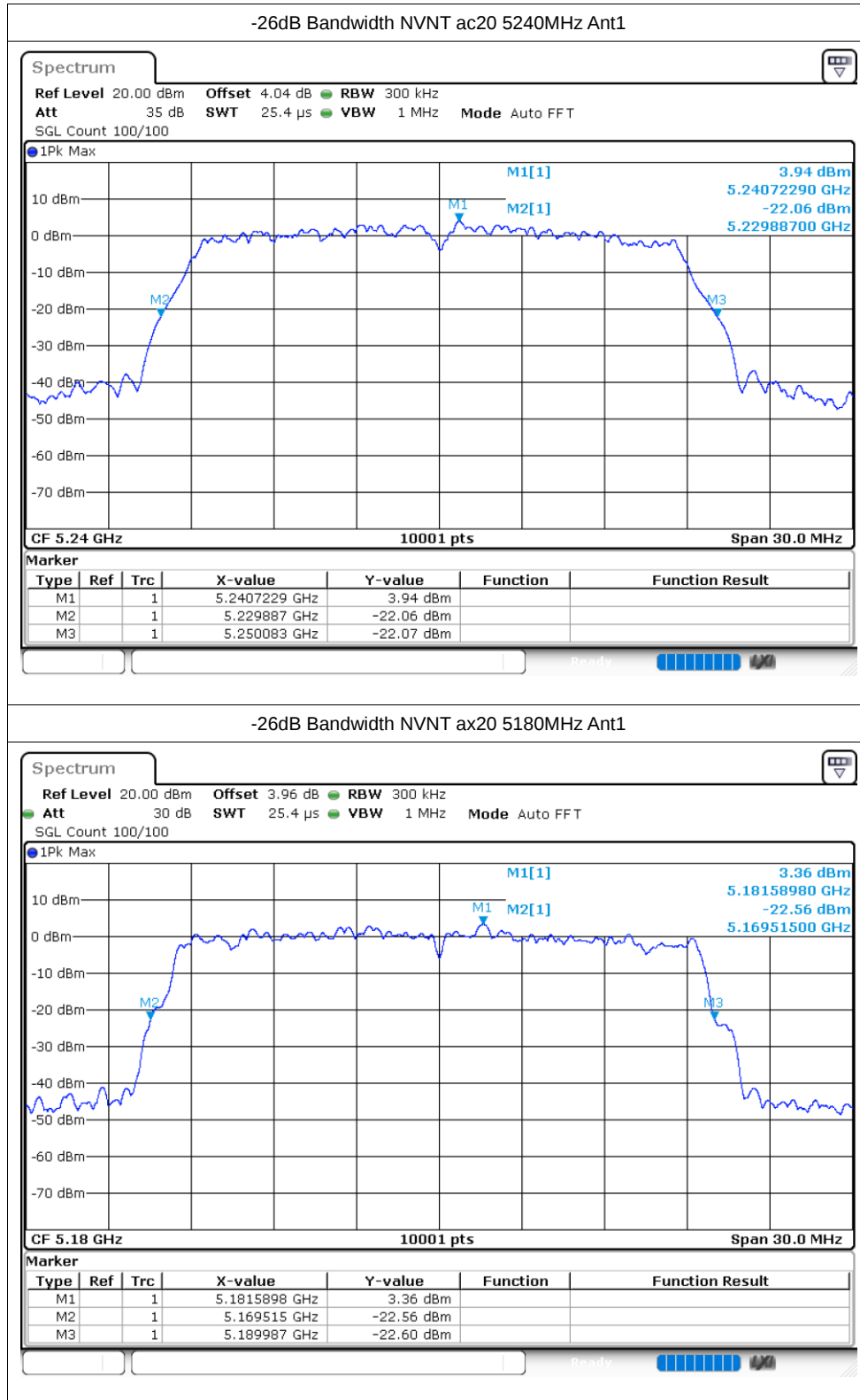
Marker

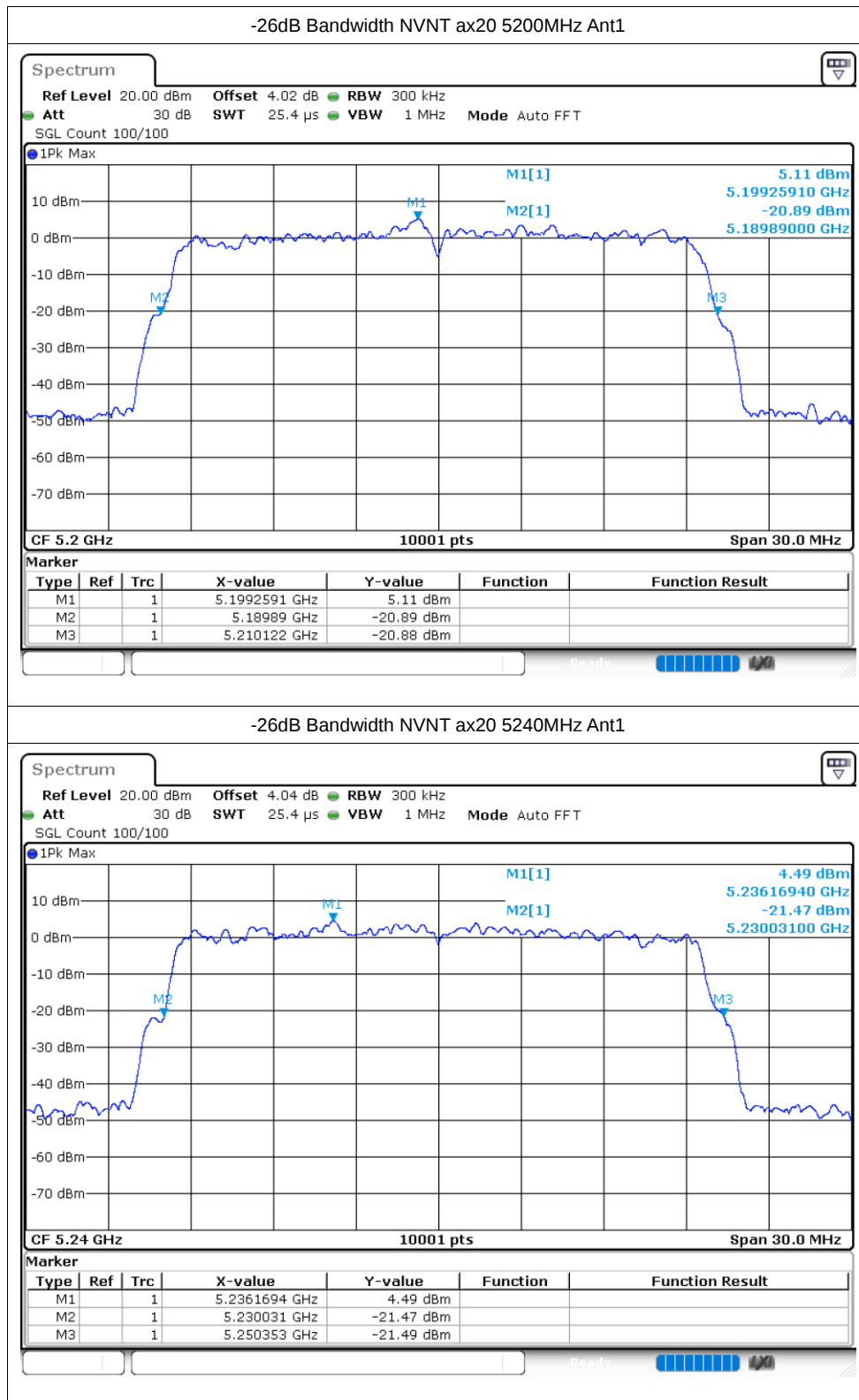
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2026547 GHz	2.50 dBm		
M2	1		5.190112 GHz	-23.48 dBm		
M3	1		5.209888 GHz	-23.50 dBm		









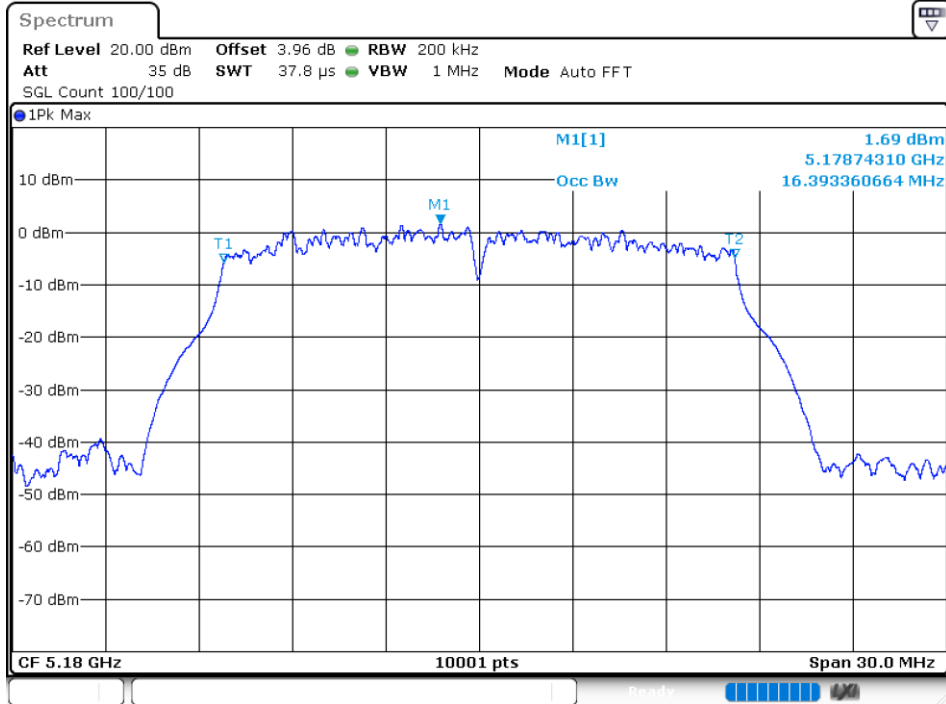


Occupied Channel Bandwidth

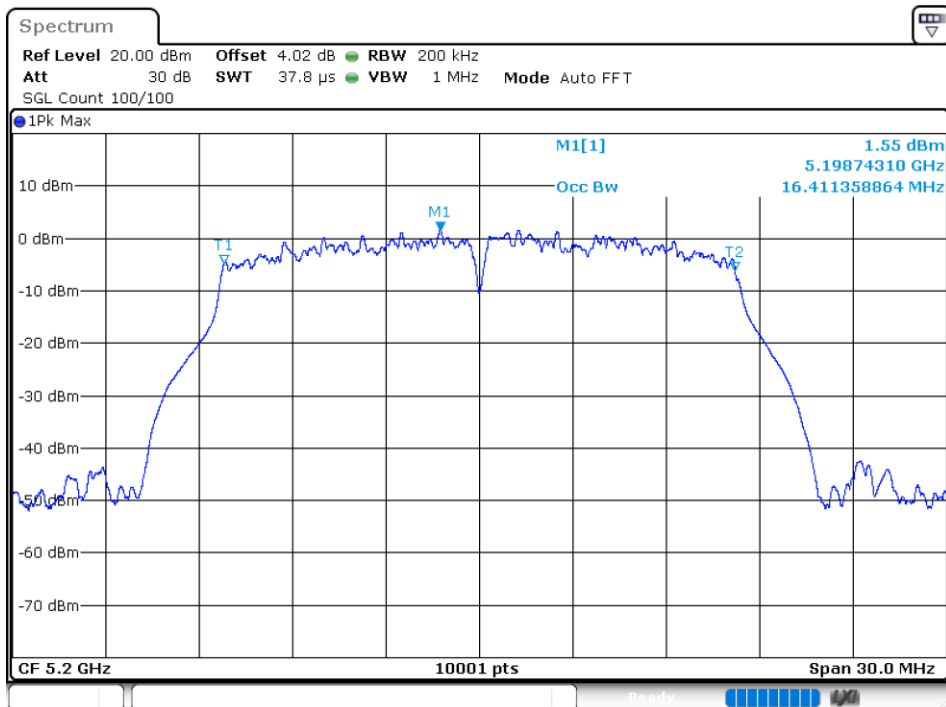
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.393
NVNT	a	5200	Ant1	16.411
NVNT	a	5240	Ant1	16.399
NVNT	n20	5180	Ant1	17.593
NVNT	n20	5200	Ant1	17.509
NVNT	n20	5240	Ant1	17.524
NVNT	ac20	5180	Ant1	17.524
NVNT	ac20	5200	Ant1	17.527
NVNT	ac20	5240	Ant1	17.491
NVNT	ax20	5180	Ant1	18.805
NVNT	ax20	5200	Ant1	18.766
NVNT	ax20	5240	Ant1	18.793

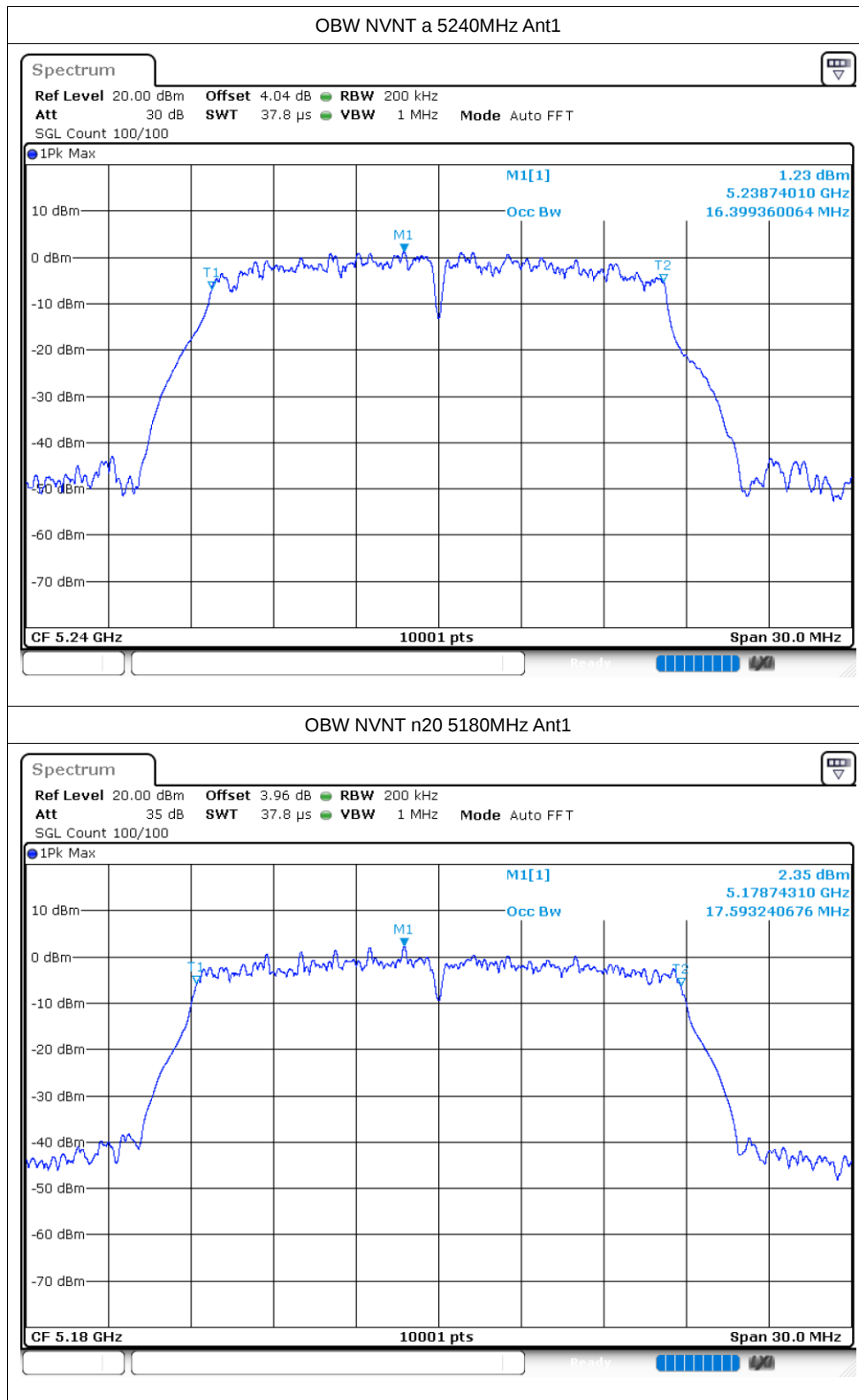
Test Graphs

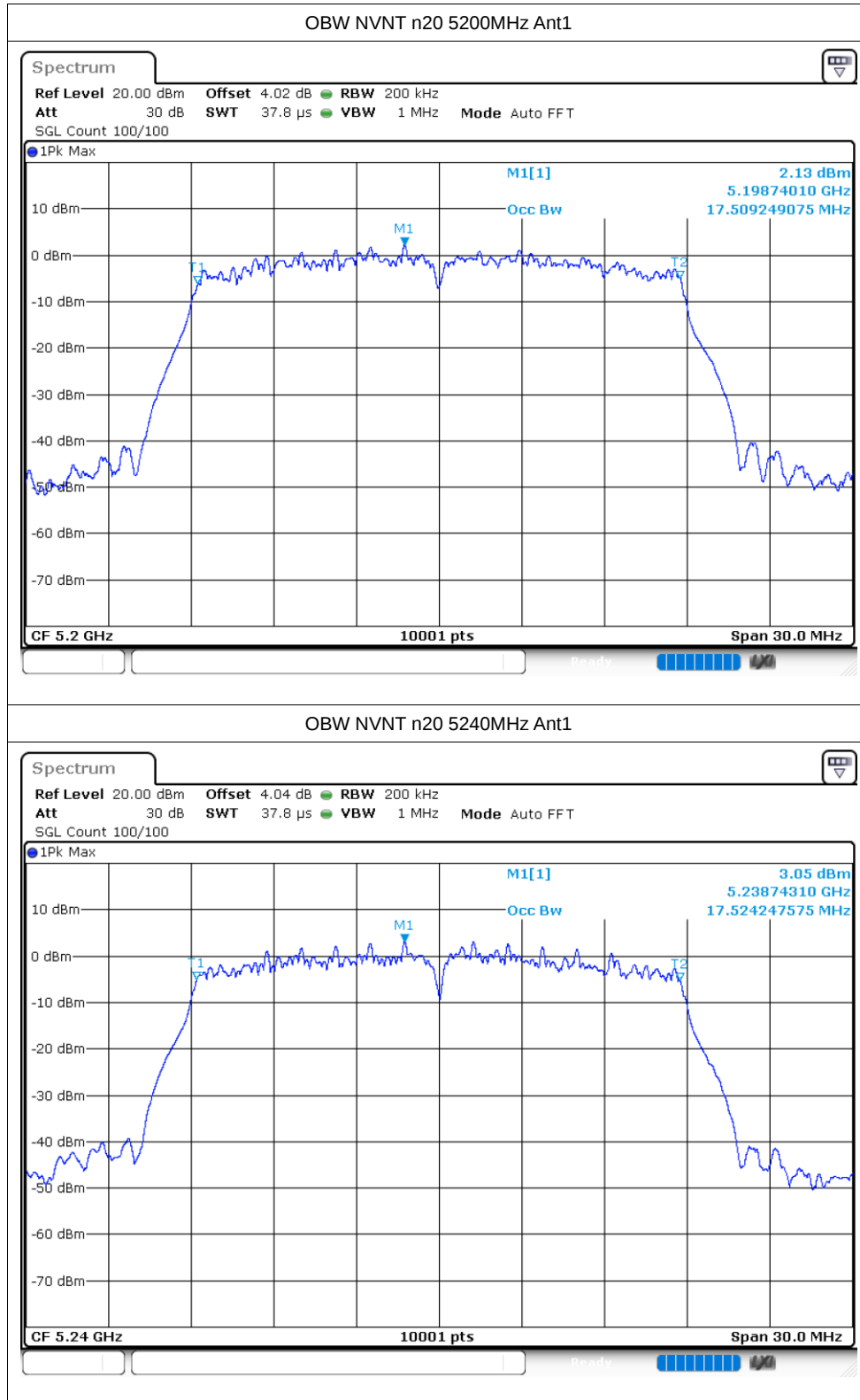
OBW NVNT a 5180MHz Ant1

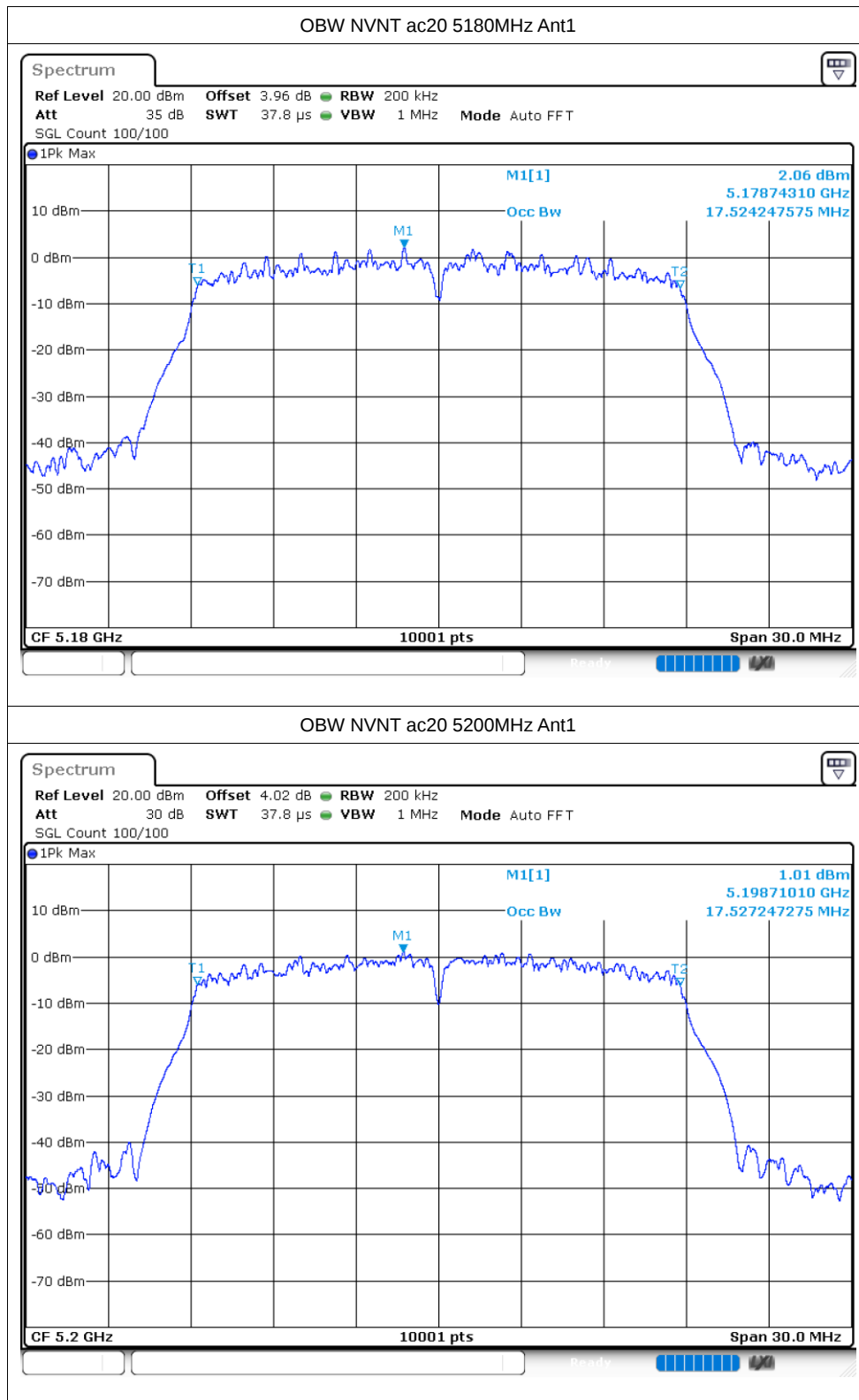


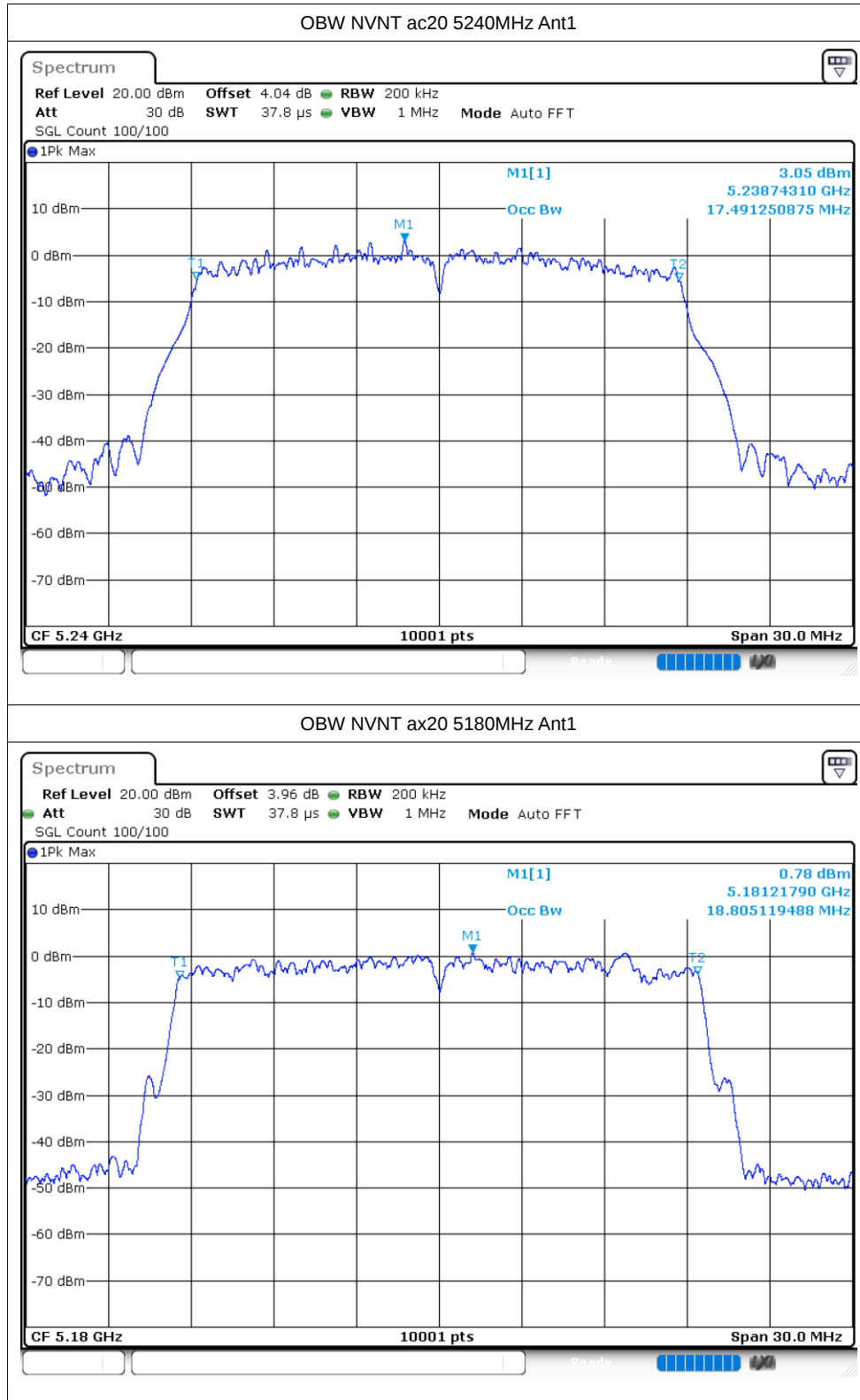
OBW NVNT a 5200MHz Ant1

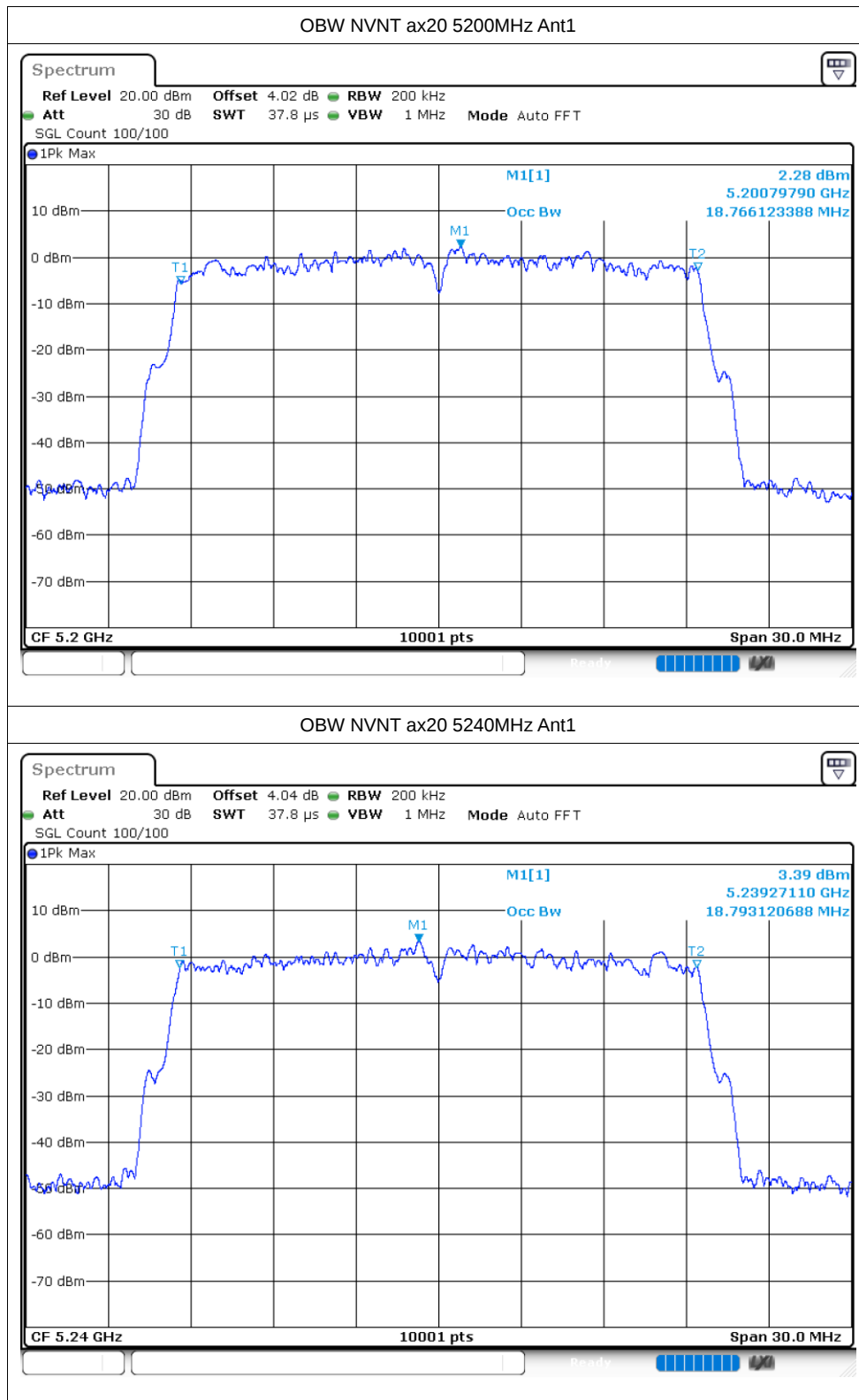










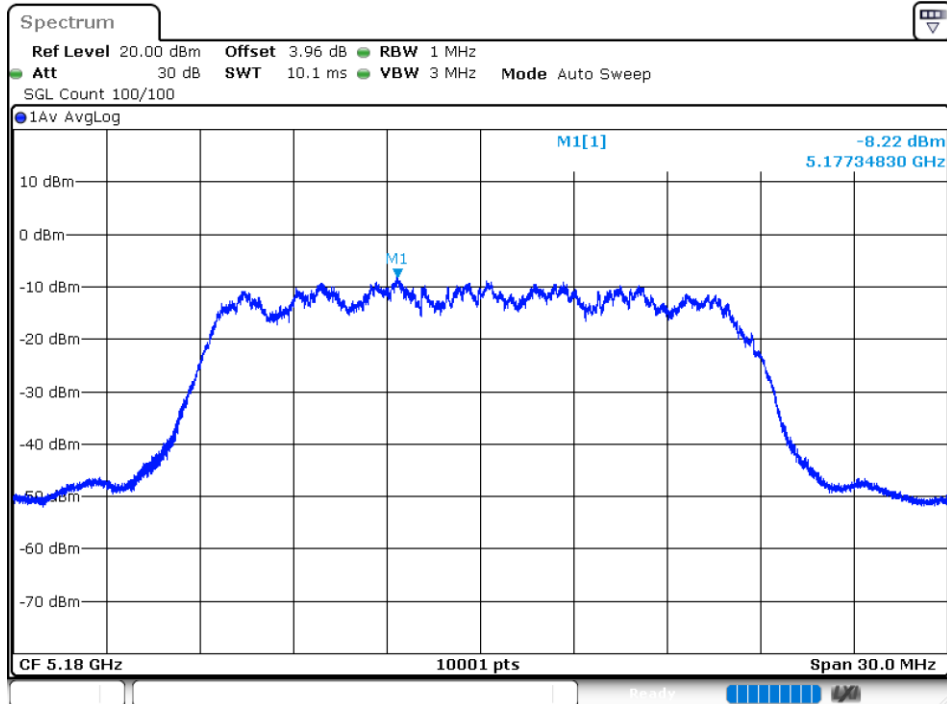


Maximum Power Spectral Density Level

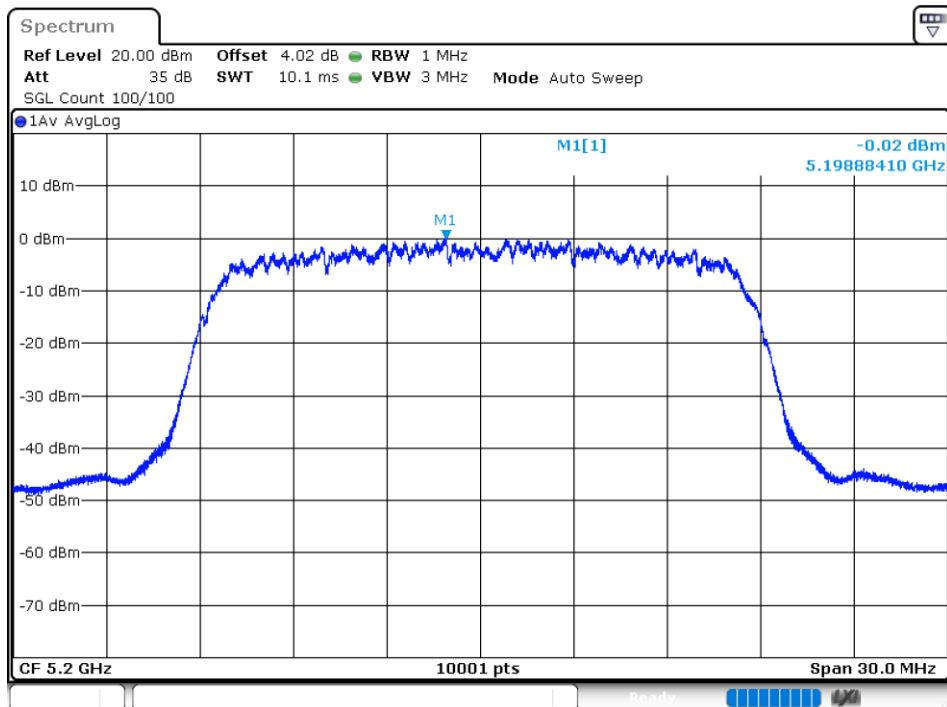
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-8.22	0.19	-8.03	11	Pass
NVNT	a	5200	Ant1	-0.02	0.19	0.17	11	Pass
NVNT	a	5240	Ant1	0.18	0.15	0.33	11	Pass
NVNT	n20	5180	Ant1	-9.92	0.08	-9.84	11	Pass
NVNT	n20	5200	Ant1	-1.15	0.09	-1.06	11	Pass
NVNT	n20	5240	Ant1	-1.02	0.09	-0.93	11	Pass
NVNT	ac20	5180	Ant1	-2	0.10	-1.9	11	Pass
NVNT	ac20	5200	Ant1	-1.42	0.08	-1.34	11	Pass
NVNT	ac20	5240	Ant1	-0.64	0.08	-0.56	11	Pass
NVNT	ax20	5180	Ant1	-2.39	0.11	-2.28	11	Pass
NVNT	ax20	5200	Ant1	-1.66	0.11	-1.55	11	Pass
NVNT	ax20	5240	Ant1	-1.48	0.11	-1.37	11	Pass

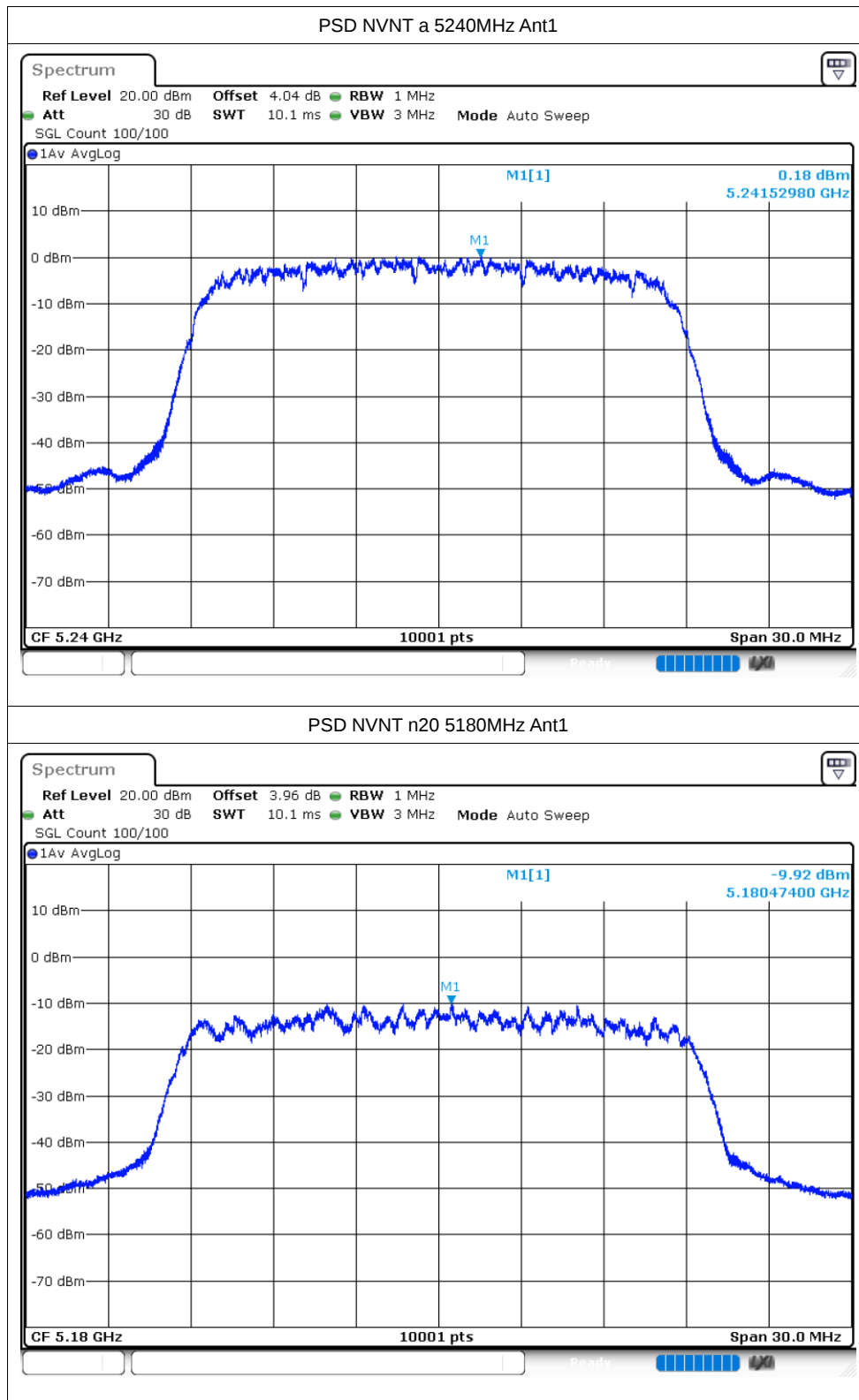
Test Graphs

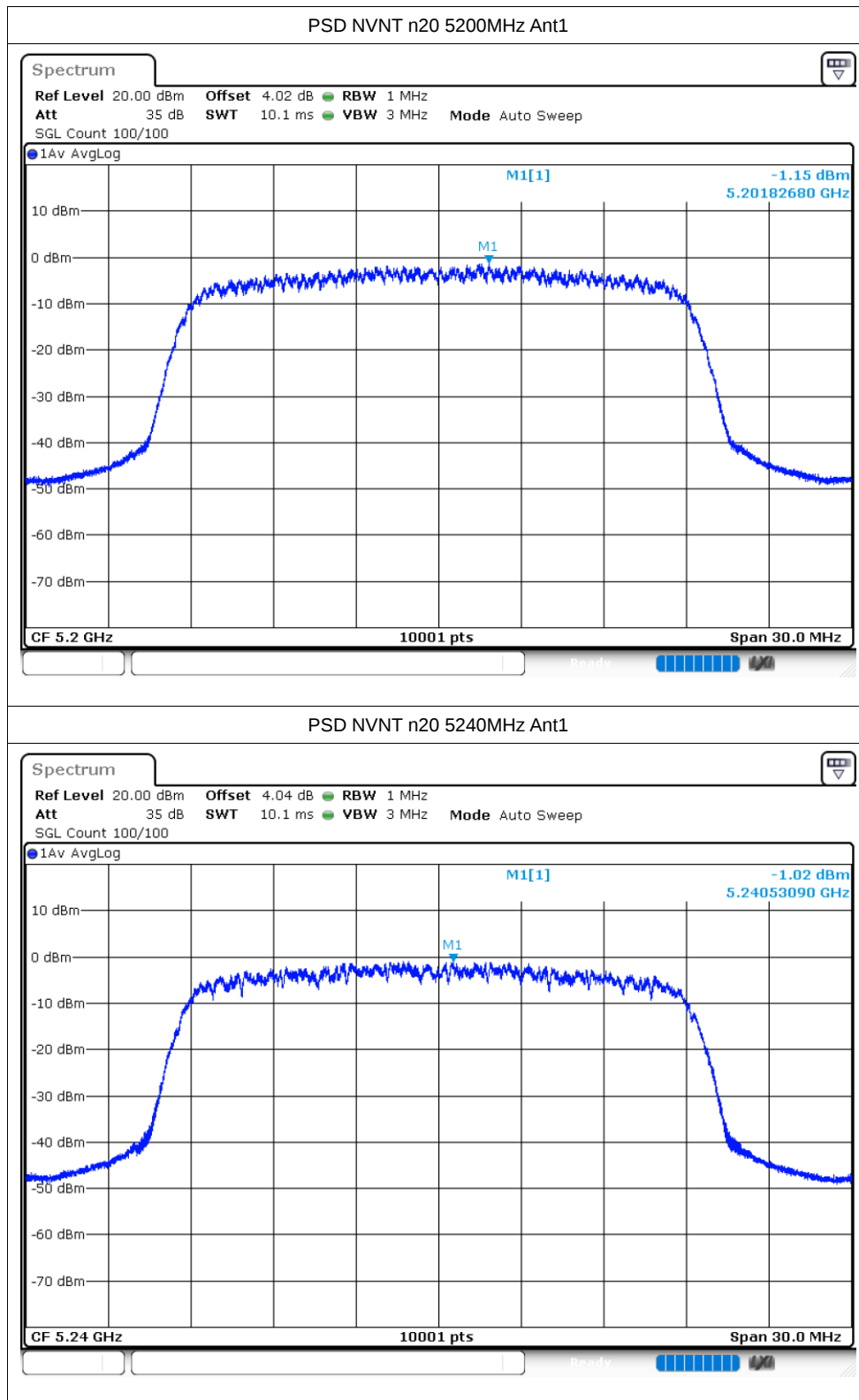
PSD NVNT a 5180MHz Ant1

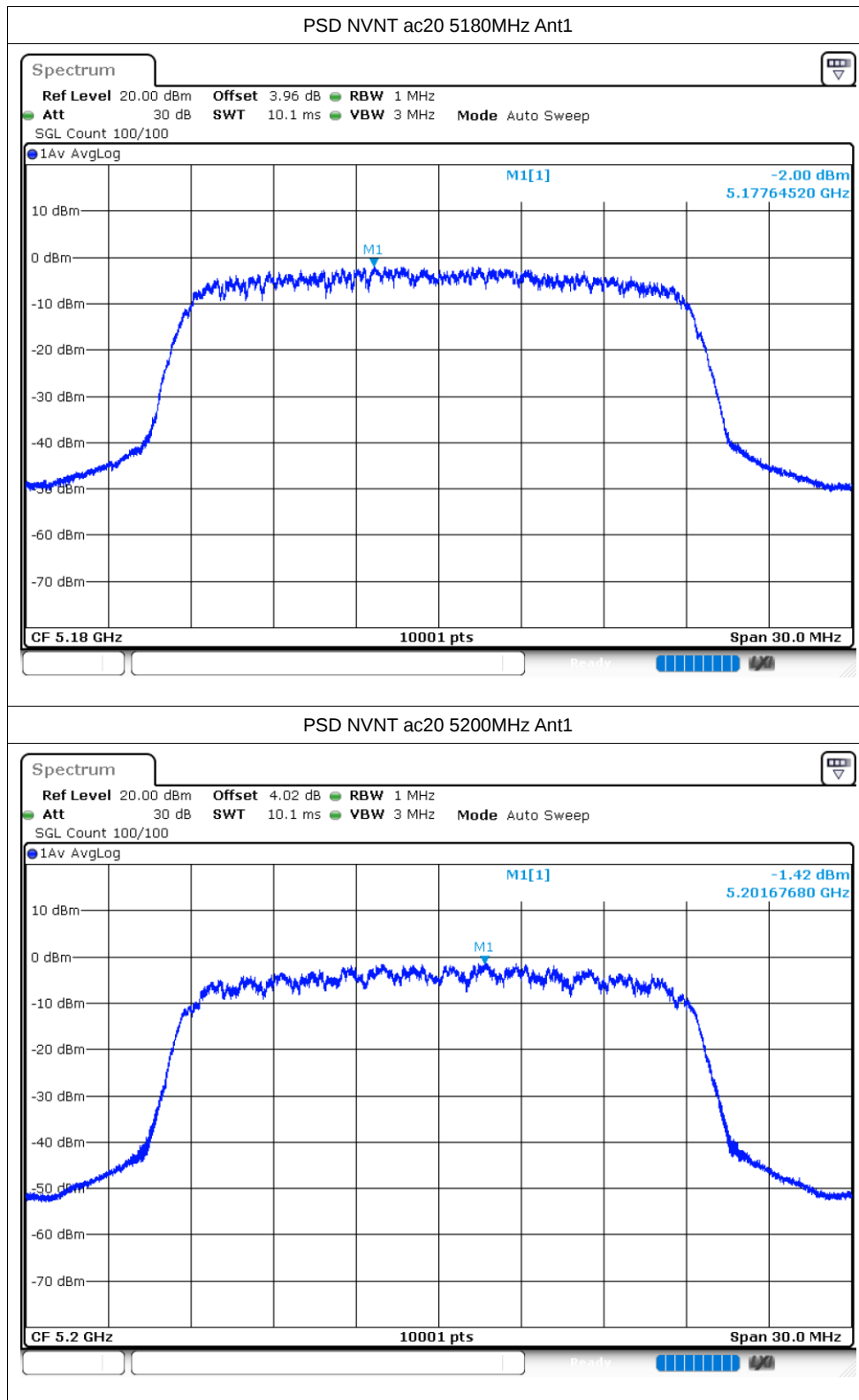


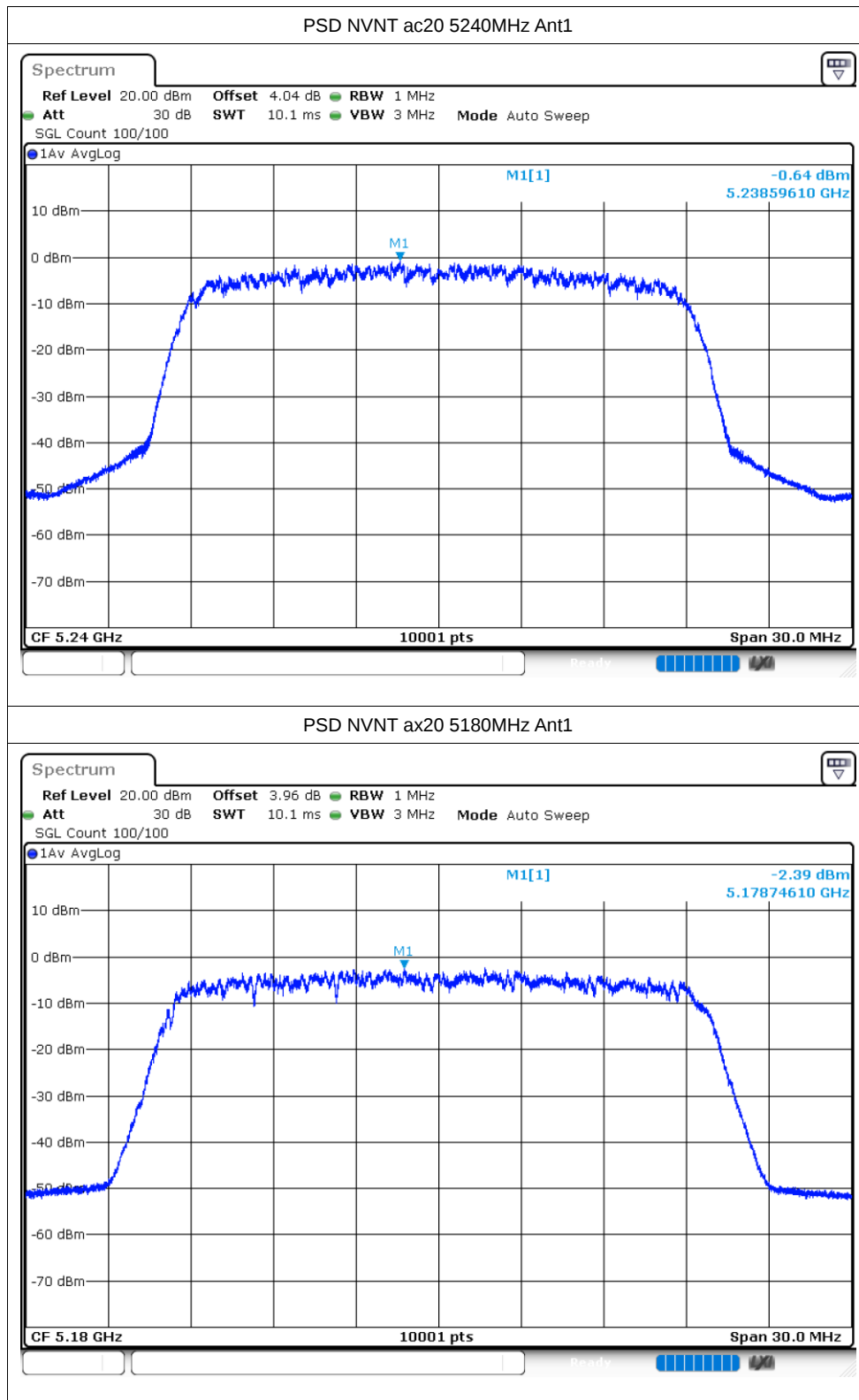
PSD NVNT a 5200MHz Ant1

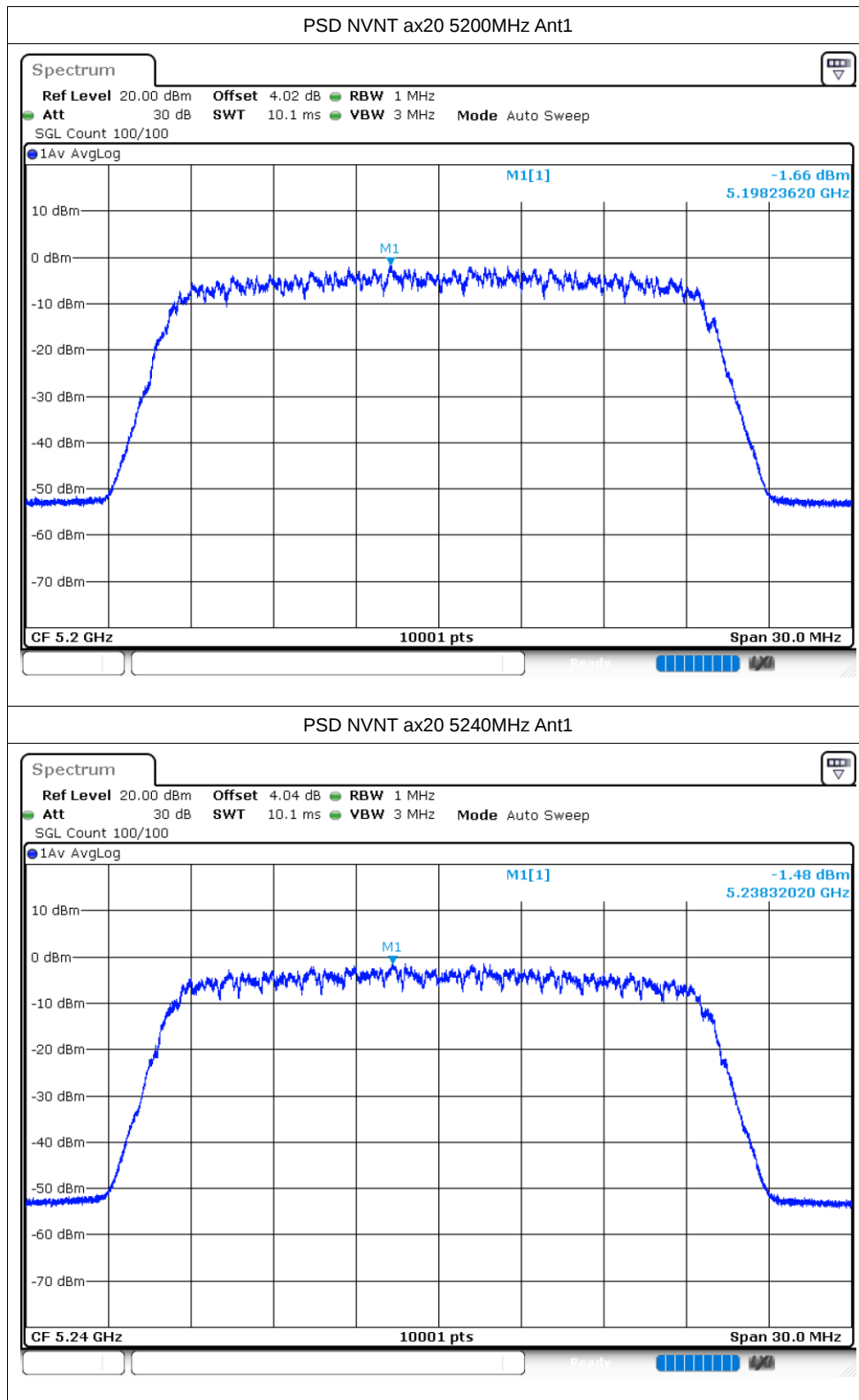












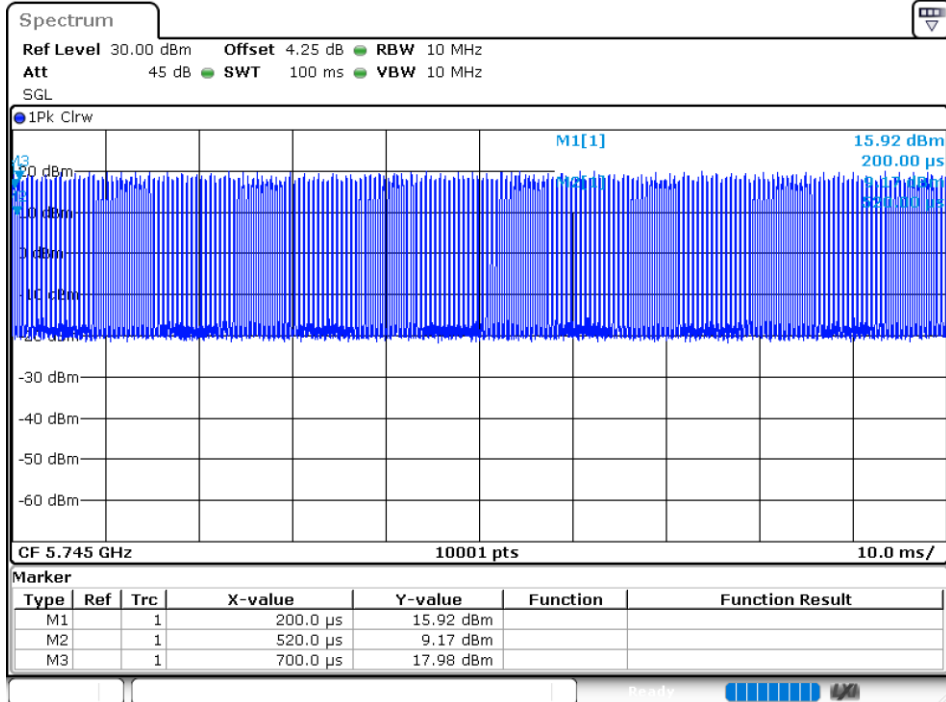
WIFI 5.8G

Duty Cycle

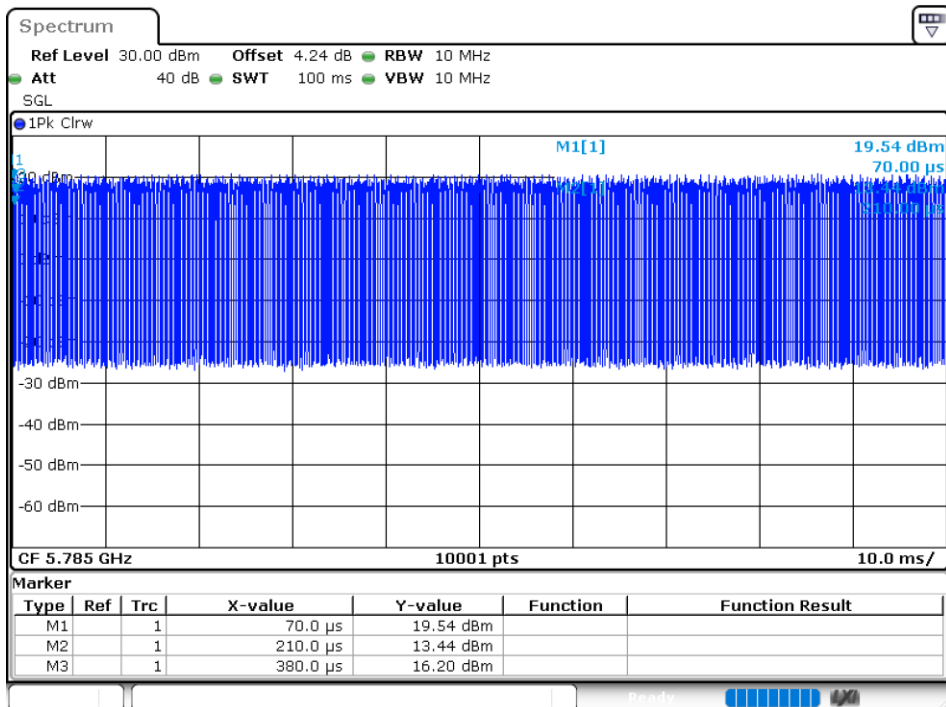
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	96.47	0.13	0.92
NVNT	a	5785	Ant1	96.68	0.13	0.92
NVNT	a	5825	Ant1	96.97	0.13	0.92
NVNT	n20	5745	Ant1	98.05	0.09	0.77
NVNT	n20	5785	Ant1	98.05	0.09	0.77
NVNT	n20	5825	Ant1	99.67	0.01	0.76
NVNT	ac20	5745	Ant1	98.44	0.08	0.76
NVNT	ac20	5785	Ant1	98.08	0.08	0.76
NVNT	ac20	5825	Ant1	98.07	0.08	0.76
NVNT	ax20	5745	Ant1	96.69	0.11	0.99
NVNT	ax20	5785	Ant1	97.59	0.11	0.98
NVNT	ax20	5825	Ant1	97.53	0.11	0.99

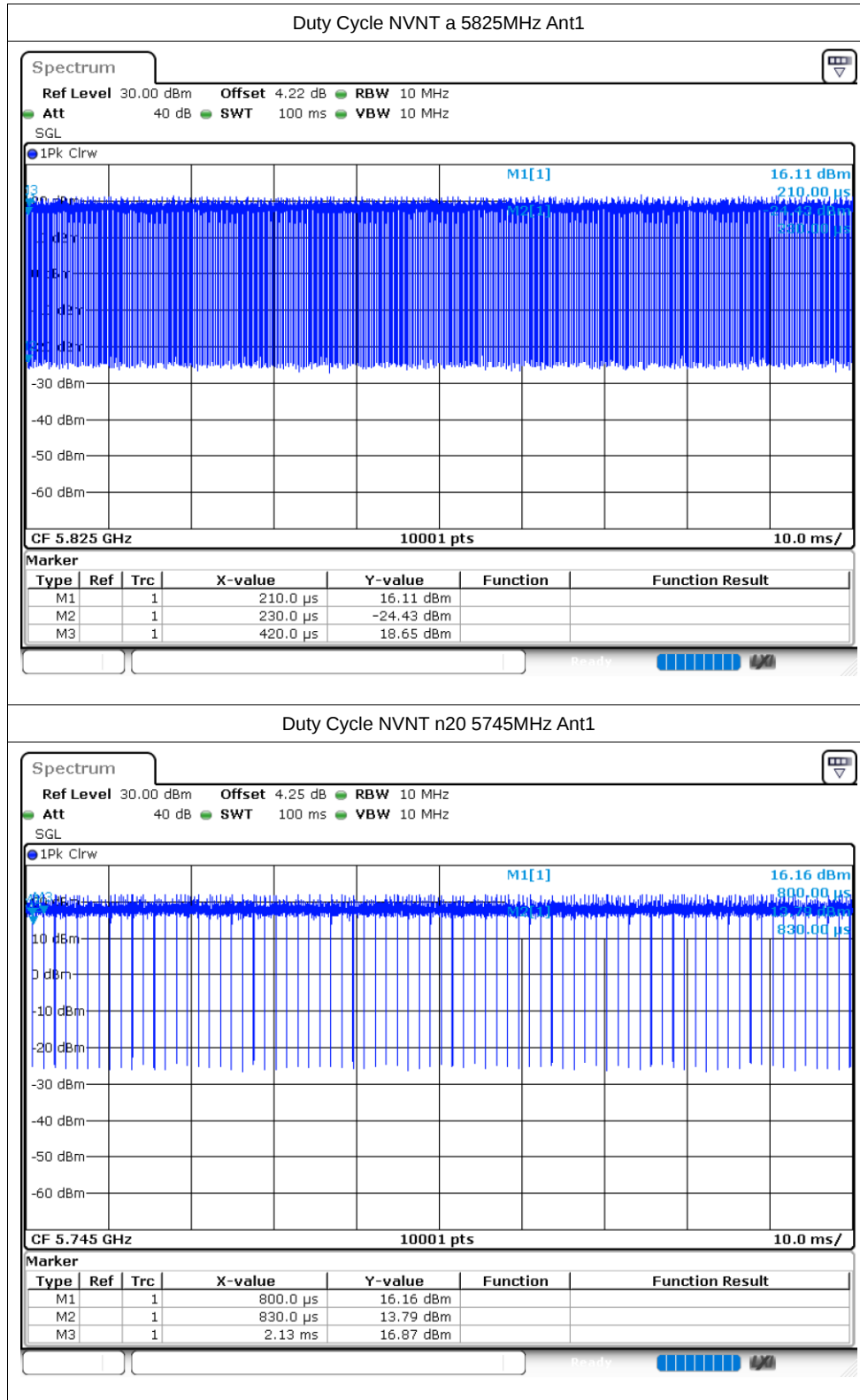
Test Graphs

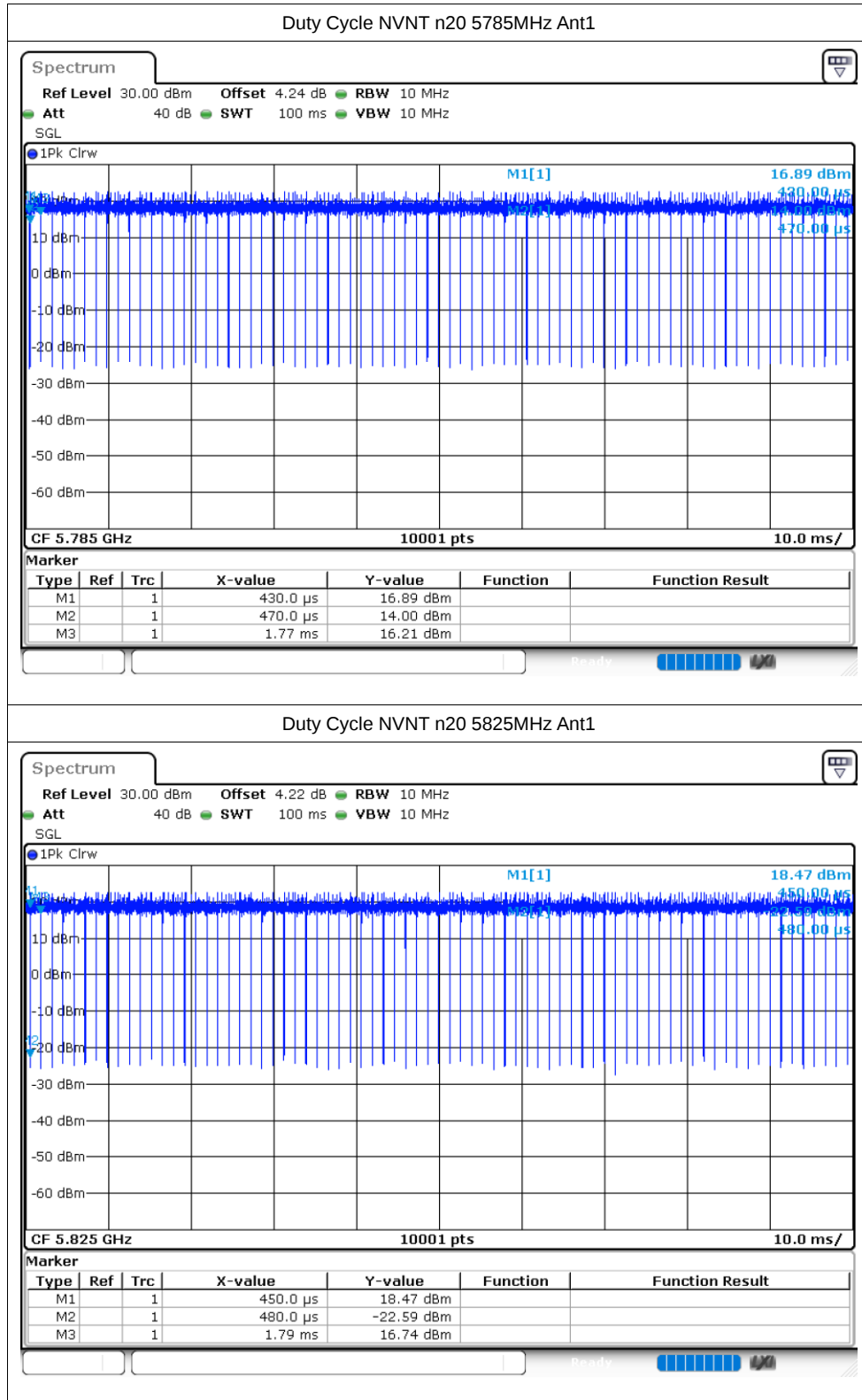
Duty Cycle NVNT a 5745MHz Ant1

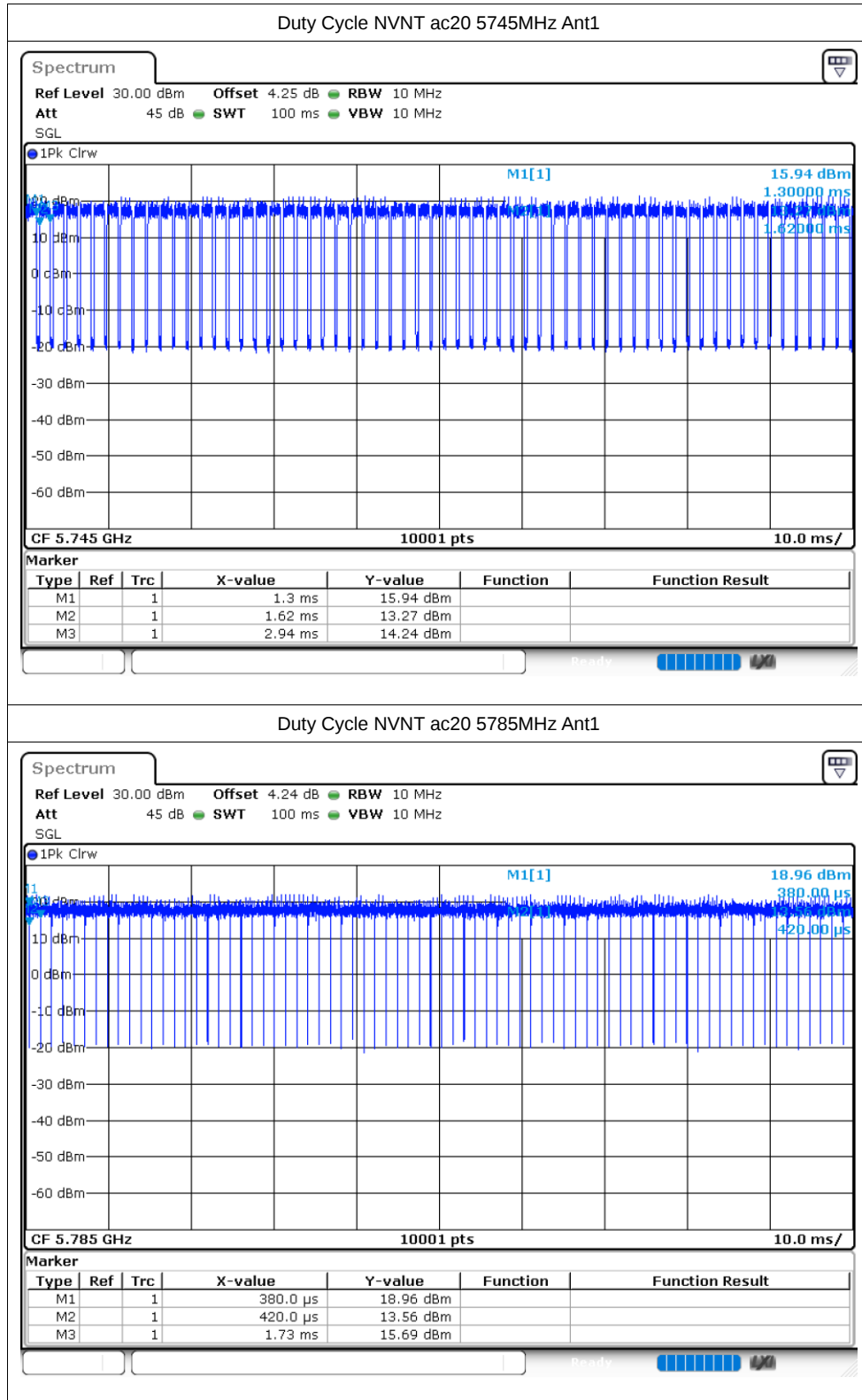


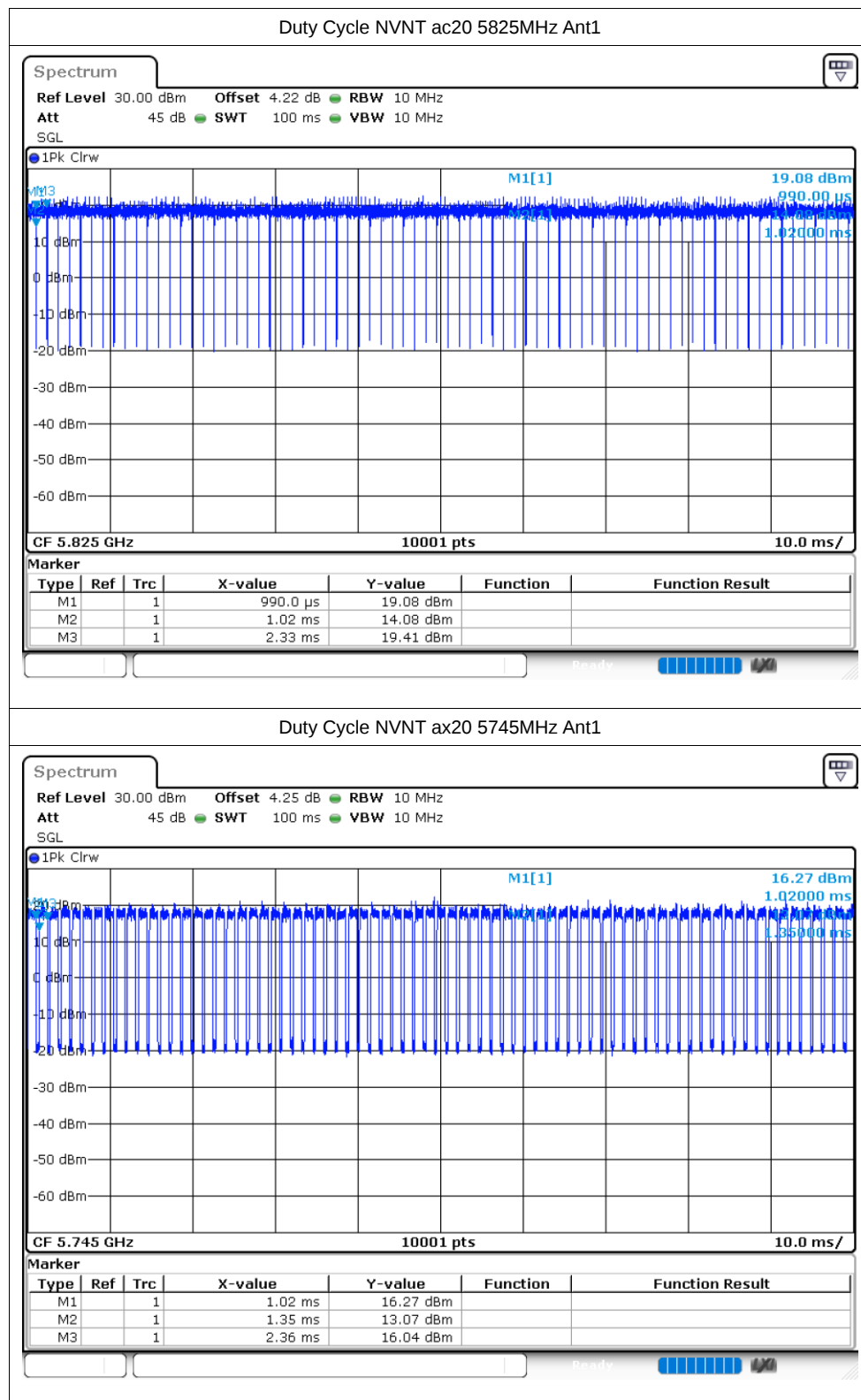
Duty Cycle NVNT a 5785MHz Ant1

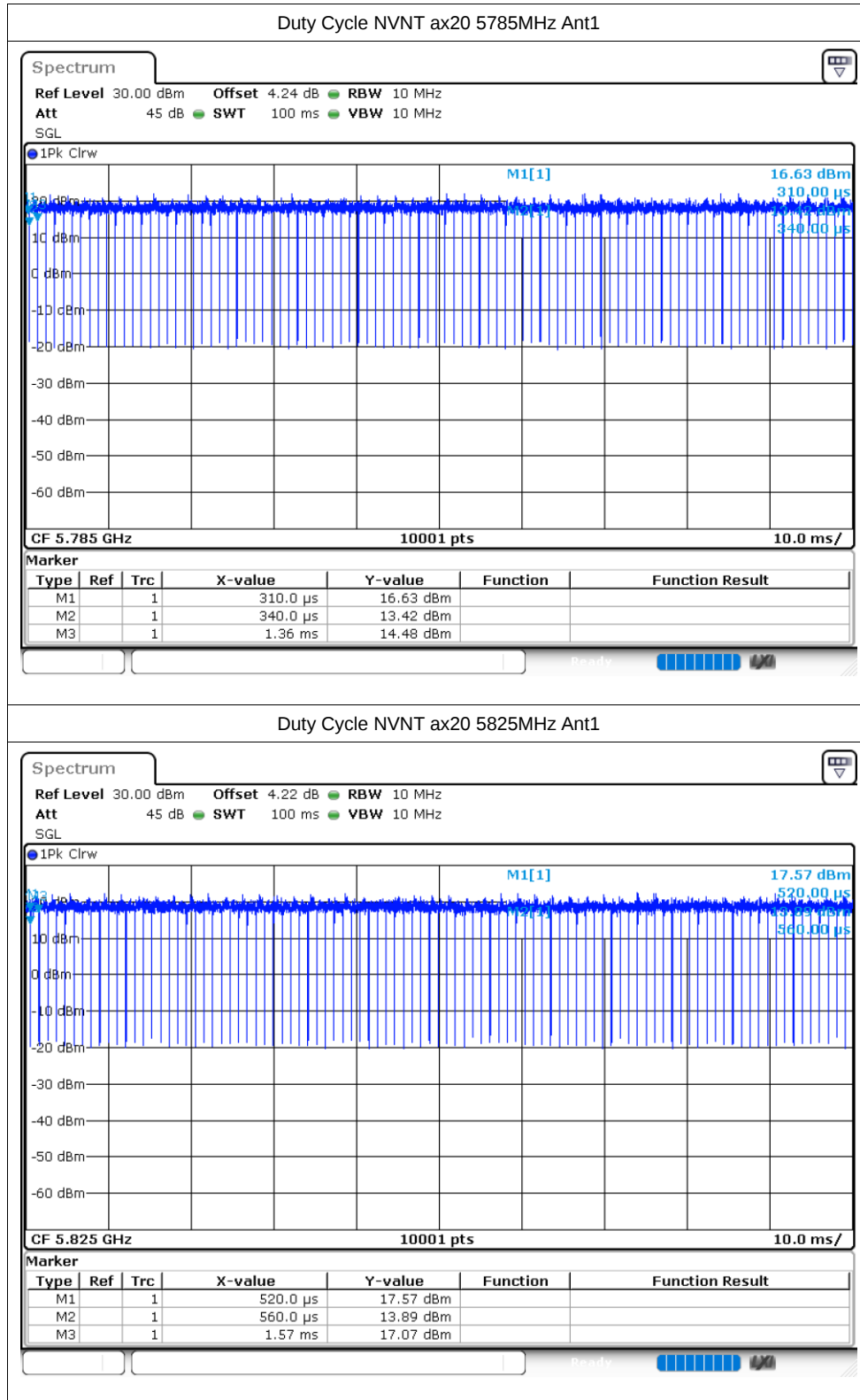












Maximum Conducted Output Power

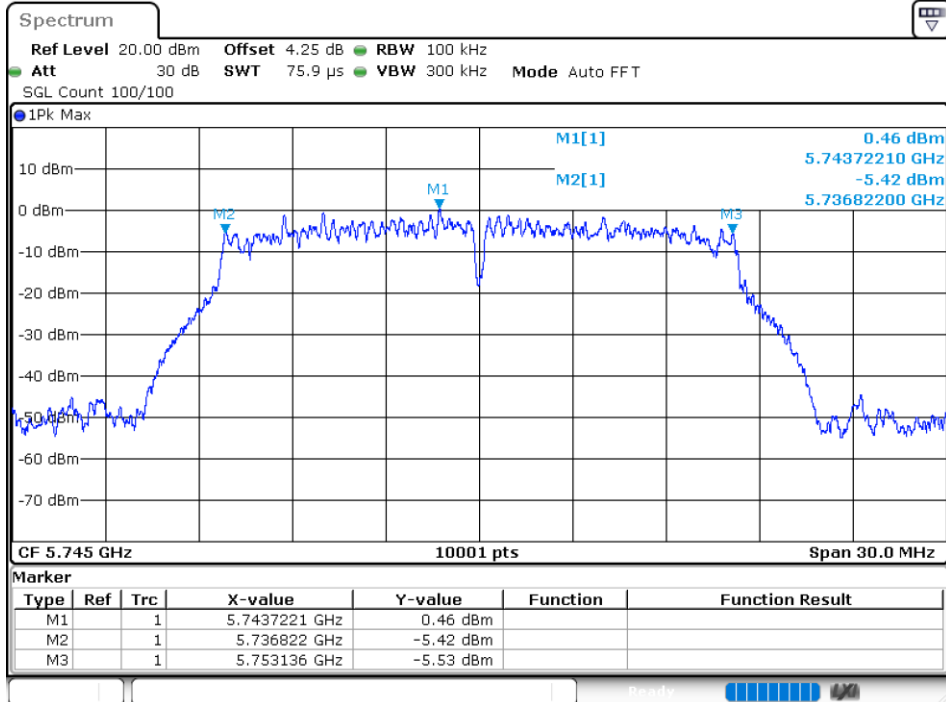
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.67	30	Pass
NVNT	a	5785	Ant1	11.95	30	Pass
NVNT	a	5825	Ant1	12.69	30	Pass
NVNT	n20	5745	Ant1	12.35	30	Pass
NVNT	n20	5785	Ant1	12.44	30	Pass
NVNT	n20	5825	Ant1	13.13	30	Pass
NVNT	ac20	5745	Ant1	12.08	30	Pass
NVNT	ac20	5785	Ant1	12.37	30	Pass
NVNT	ac20	5825	Ant1	13.19	30	Pass
NVNT	ax20	5745	Ant1	12.18	30	Pass
NVNT	ax20	5785	Ant1	12.68	30	Pass
NVNT	ax20	5825	Ant1	13.23	30	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.314	0.5	Pass
NVNT	a	5785	Ant1	13.725	0.5	Pass
NVNT	a	5825	Ant1	15.669	0.5	Pass
NVNT	n20	5745	Ant1	14.667	0.5	Pass
NVNT	n20	5785	Ant1	17.553	0.5	Pass
NVNT	n20	5825	Ant1	17.283	0.5	Pass
NVNT	ac20	5745	Ant1	17.301	0.5	Pass
NVNT	ac20	5785	Ant1	17.283	0.5	Pass
NVNT	ac20	5825	Ant1	16.923	0.5	Pass
NVNT	ax20	5745	Ant1	18.822	0.5	Pass
NVNT	ax20	5785	Ant1	17.691	0.5	Pass
NVNT	ax20	5825	Ant1	17.607	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT a 5745MHz Ant1



-6dB Bandwidth NVNT a 5785MHz Ant1

