

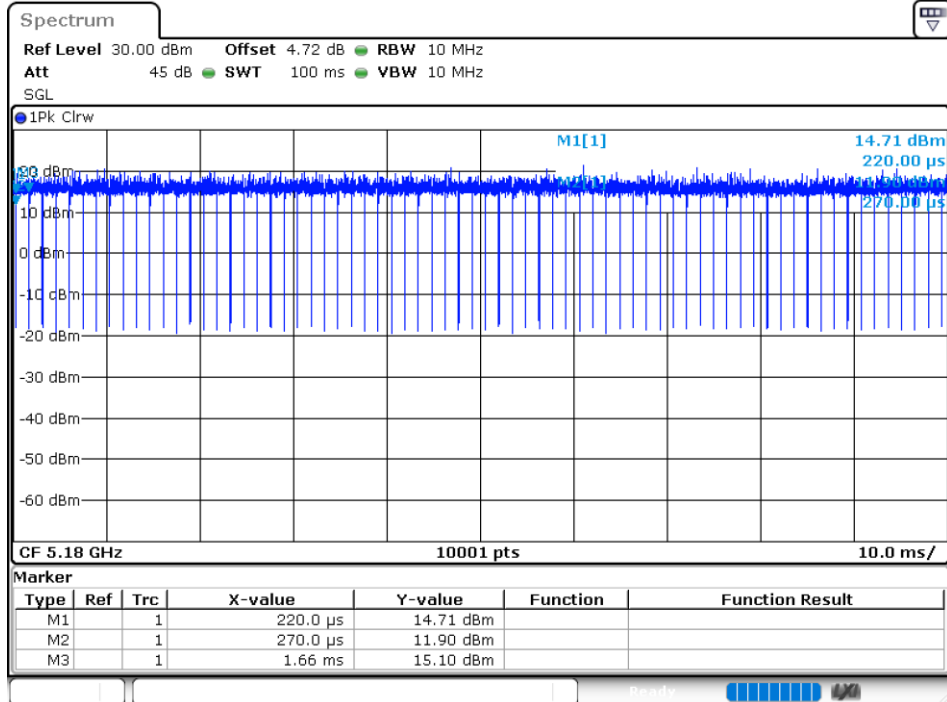
5.2G WIFI

Duty Cycle

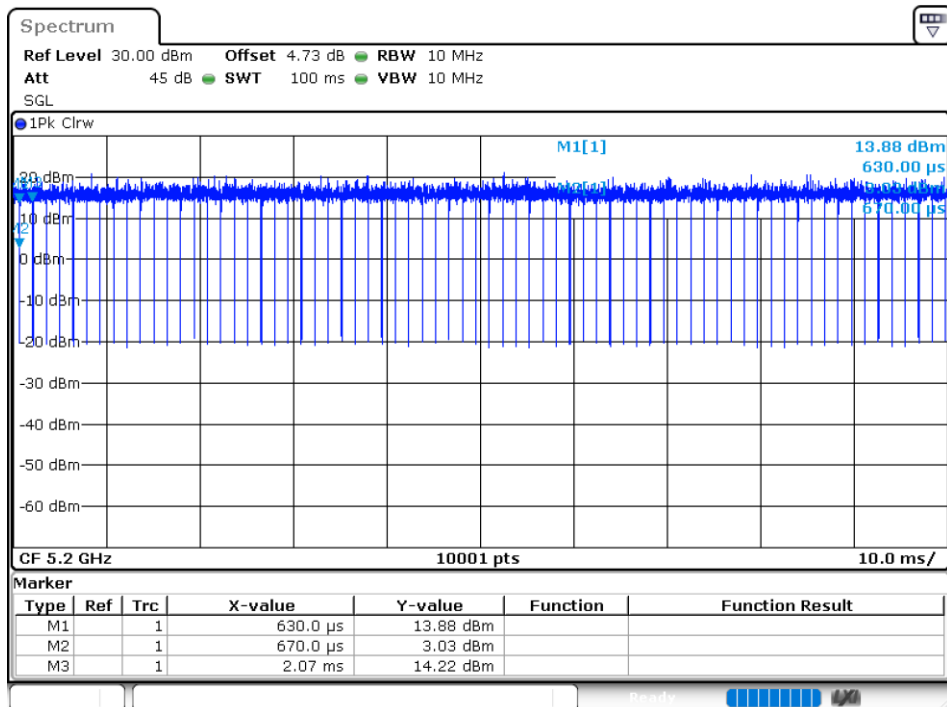
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	97.56	0.11	0.72
NVNT	a	5200	Ant1	97.6	0.11	0.71
NVNT	a	5240	Ant1	97.59	0.11	0.72
NVNT	n20	5180	Ant1	97.45	0.11	0.77
NVNT	n20	5200	Ant1	97.42	0.11	0.77
NVNT	n20	5240	Ant1	97.45	0.11	0.77
NVNT	n40	5190	Ant1	95.05	0.22	1.54
NVNT	n40	5230	Ant1	95.04	0.22	1.56
NVNT	ac20	5180	Ant1	97.43	0.11	0.76
NVNT	ac20	5200	Ant1	97.46	0.11	0.76
NVNT	ac20	5240	Ant1	97.45	0.11	0.76
NVNT	ac40	5190	Ant1	95.09	0.22	1.52
NVNT	ac40	5230	Ant1	95.11	0.22	1.54
NVNT	ac80	5210	Ant1	90.77	0.42	3.03

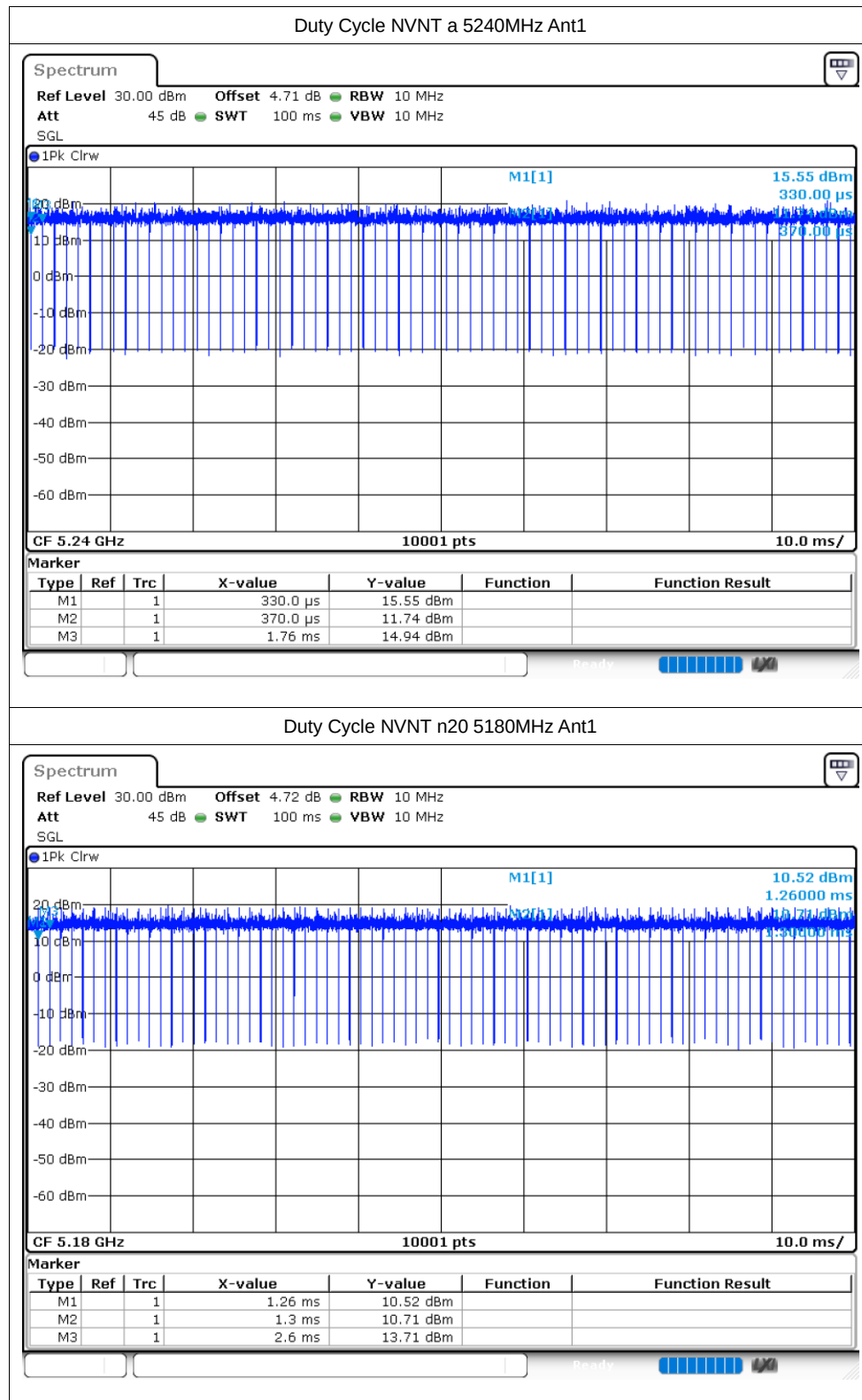
Test Graphs

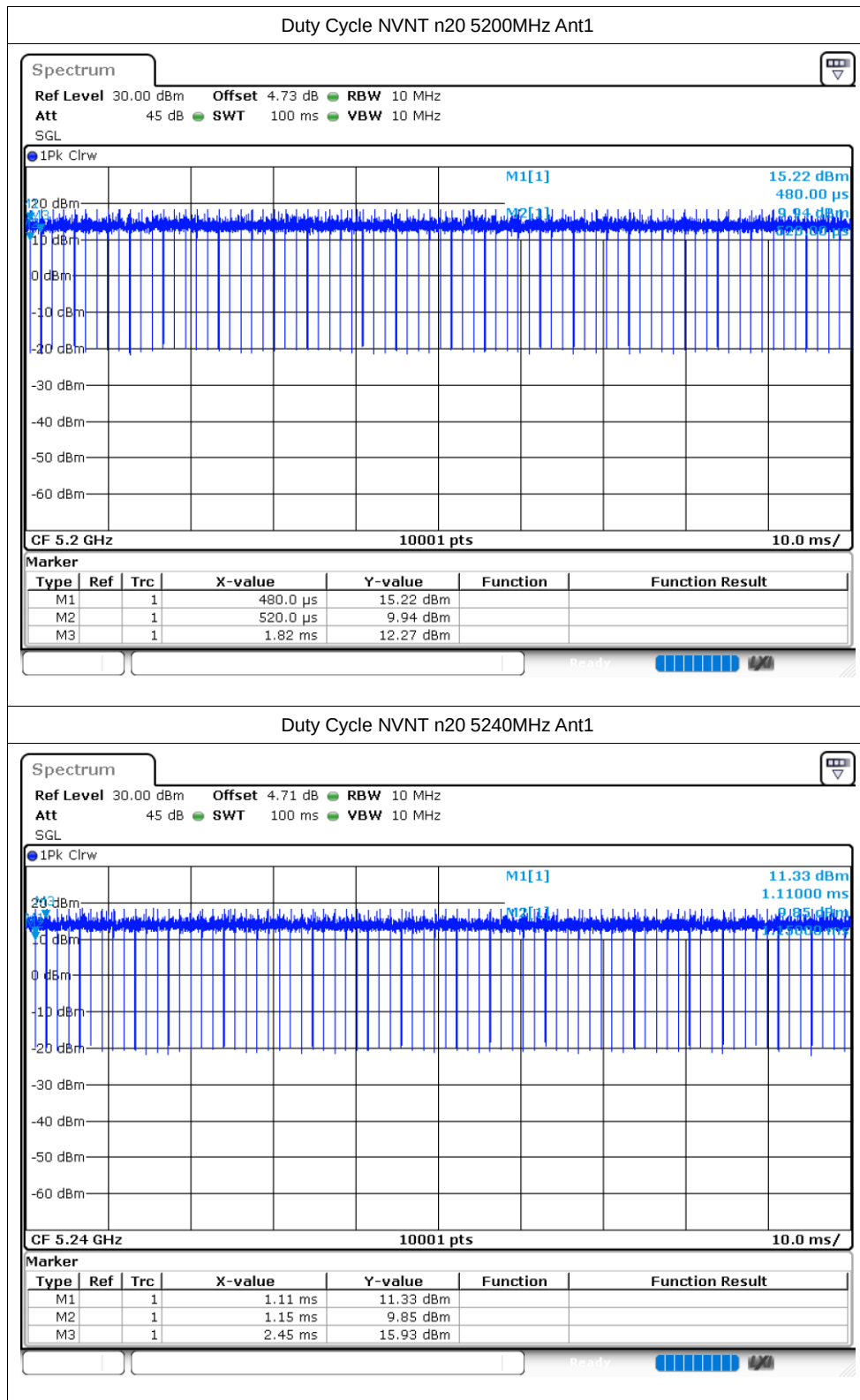
Duty Cycle NVNT a 5180MHz Ant1

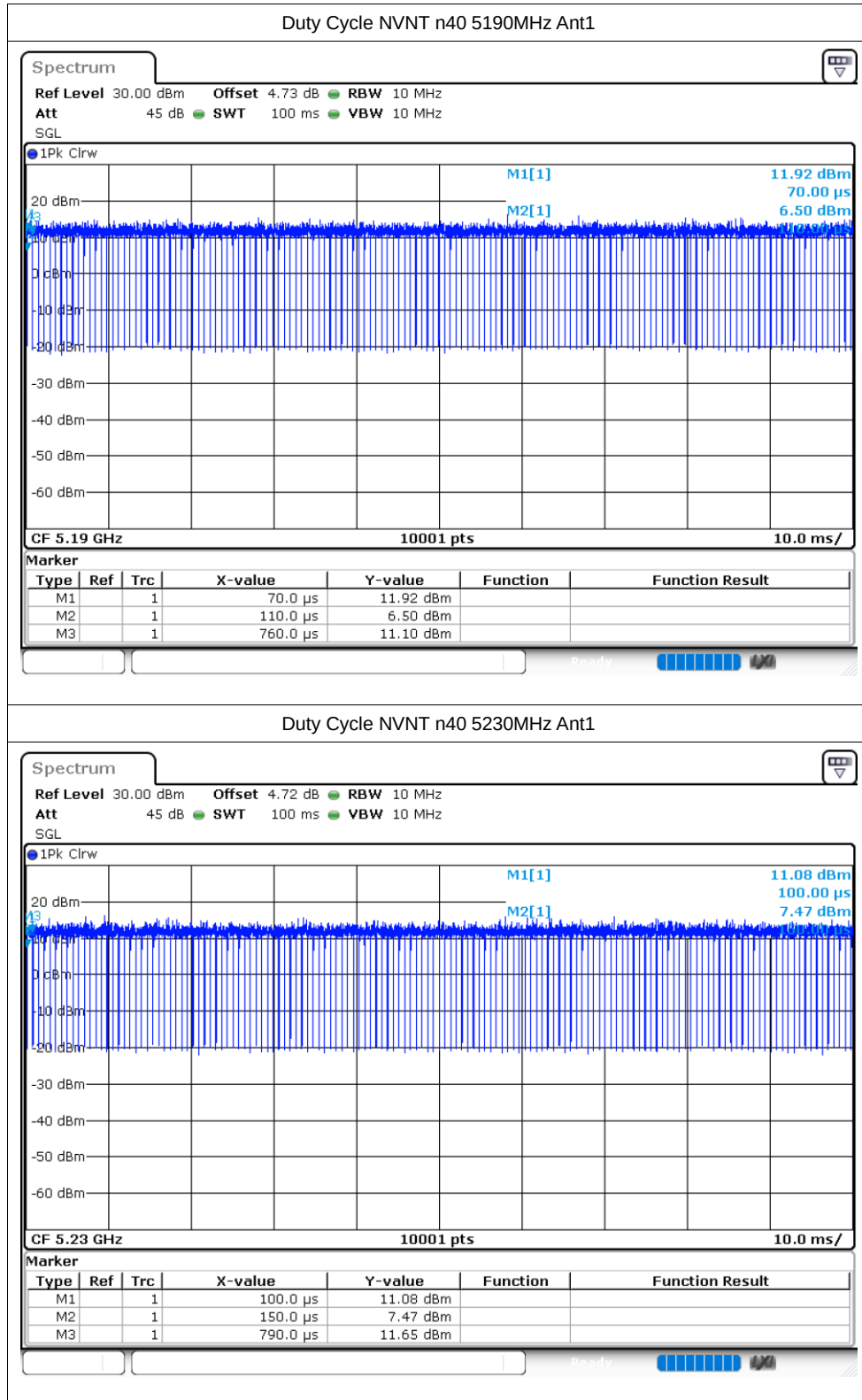


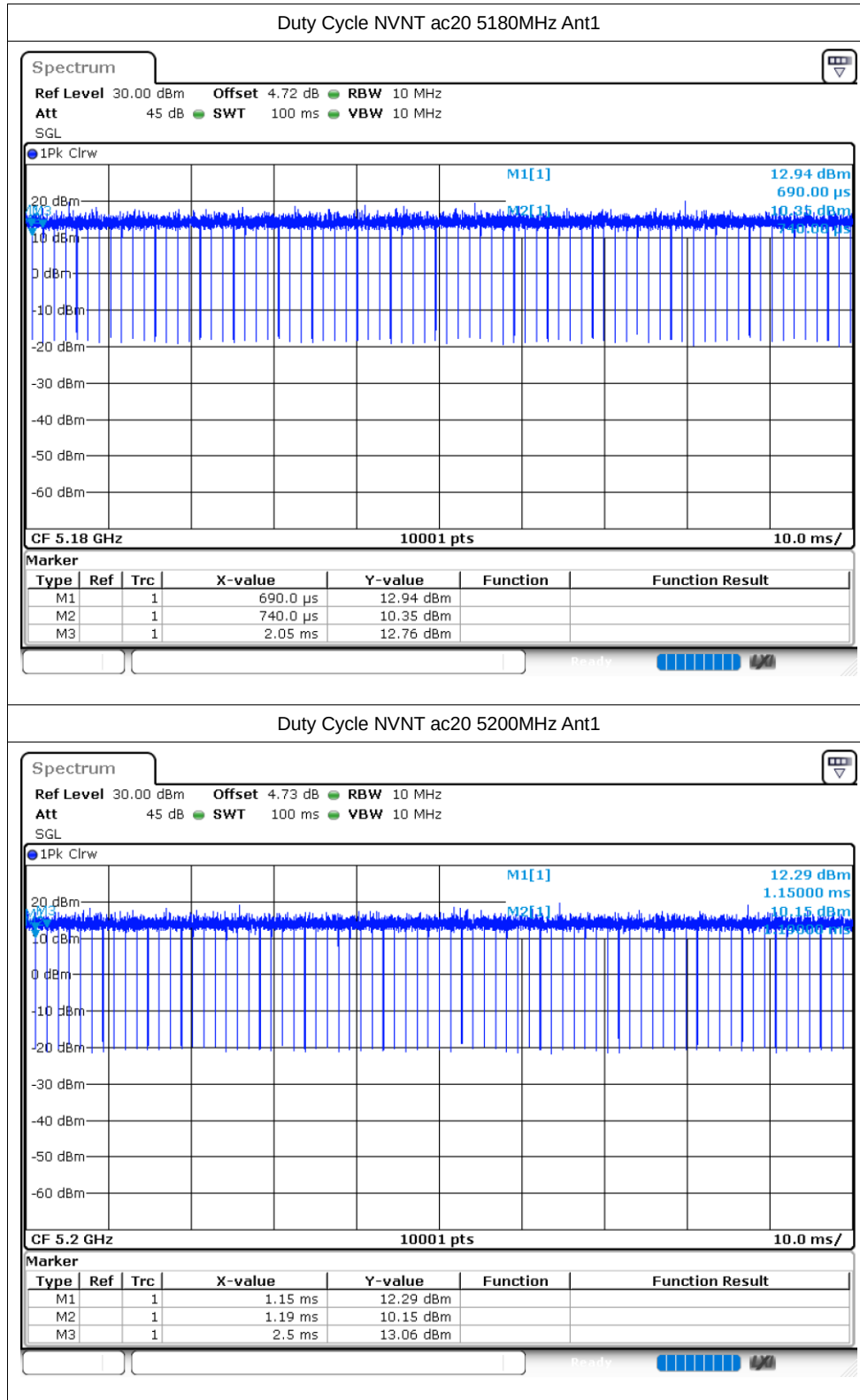
Duty Cycle NVNT a 5200MHz Ant1

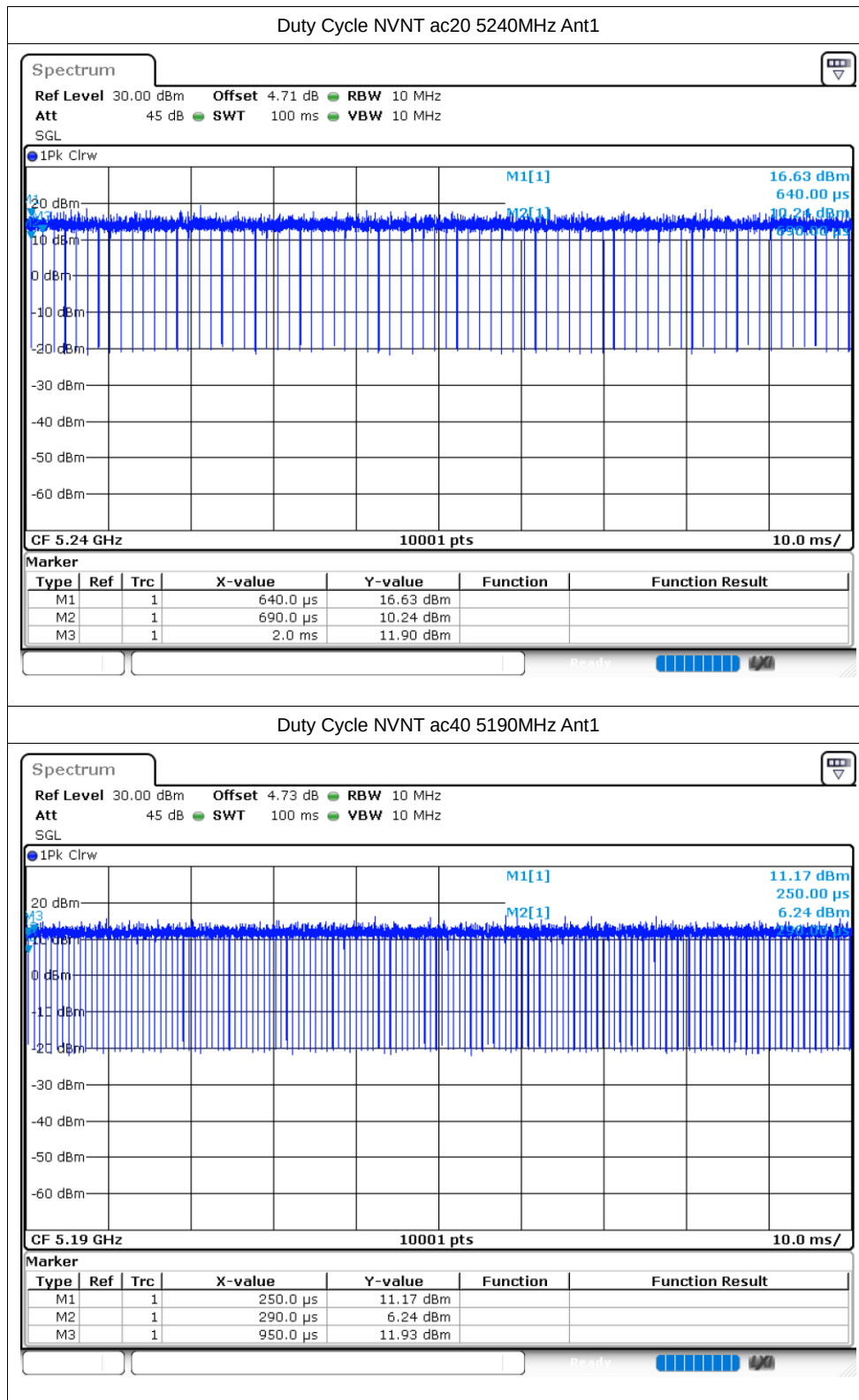


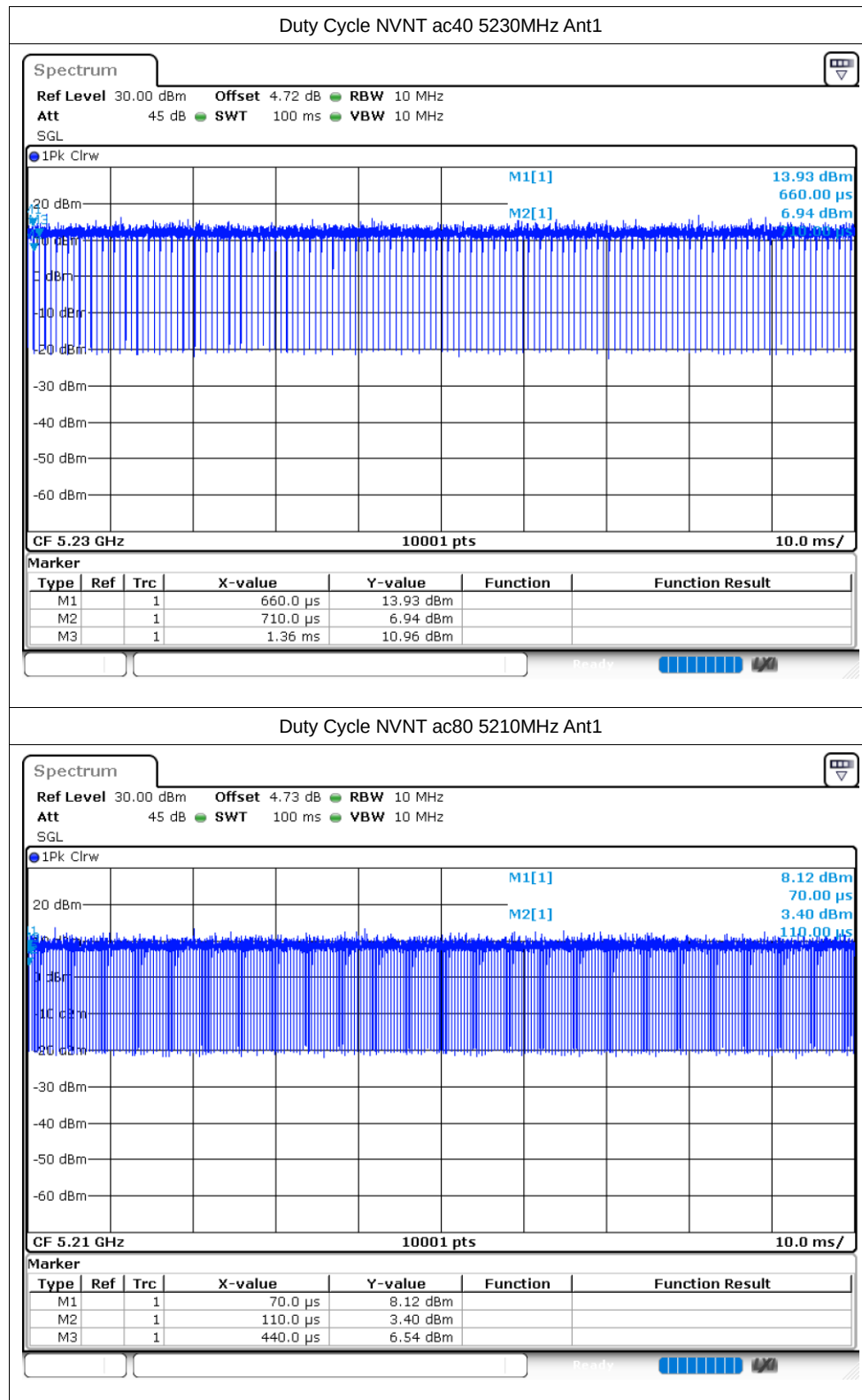












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	10.67	24	Pass
NVNT	a	5200	Ant1	10.44	24	Pass
NVNT	a	5240	Ant1	10.91	24	Pass
NVNT	n20	5180	Ant1	9.56	24	Pass
NVNT	n20	5200	Ant1	8.74	24	Pass
NVNT	n20	5240	Ant1	9.09	24	Pass
NVNT	n40	5190	Ant1	8.79	24	Pass
NVNT	n40	5230	Ant1	8.96	24	Pass
NVNT	ac20	5180	Ant1	8.74	24	Pass
NVNT	ac20	5200	Ant1	8.62	24	Pass
NVNT	ac20	5240	Ant1	8.96	24	Pass
NVNT	ac40	5190	Ant1	8.88	24	Pass
NVNT	ac40	5230	Ant1	8.8	24	Pass
NVNT	ac80	5210	Ant1	8.86	24	Pass

Note: The Duty Cycle factor has already been included.

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	20.142	0.5	Pass
NVNT	a	5200	Ant1	19.56	0.5	Pass
NVNT	a	5240	Ant1	20.31	0.5	Pass
NVNT	n20	5180	Ant1	20.223	0.5	Pass
NVNT	n20	5200	Ant1	19.998	0.5	Pass
NVNT	n20	5240	Ant1	20.259	0.5	Pass
NVNT	n40	5190	Ant1	41.112	0.5	Pass
NVNT	n40	5230	Ant1	40.818	0.5	Pass
NVNT	ac20	5180	Ant1	19.866	0.5	Pass
NVNT	ac20	5200	Ant1	20.031	0.5	Pass
NVNT	ac20	5240	Ant1	20.253	0.5	Pass
NVNT	ac40	5190	Ant1	40.746	0.5	Pass
NVNT	ac40	5230	Ant1	40.458	0.5	Pass
NVNT	ac80	5210	Ant1	81.012	0.5	Pass

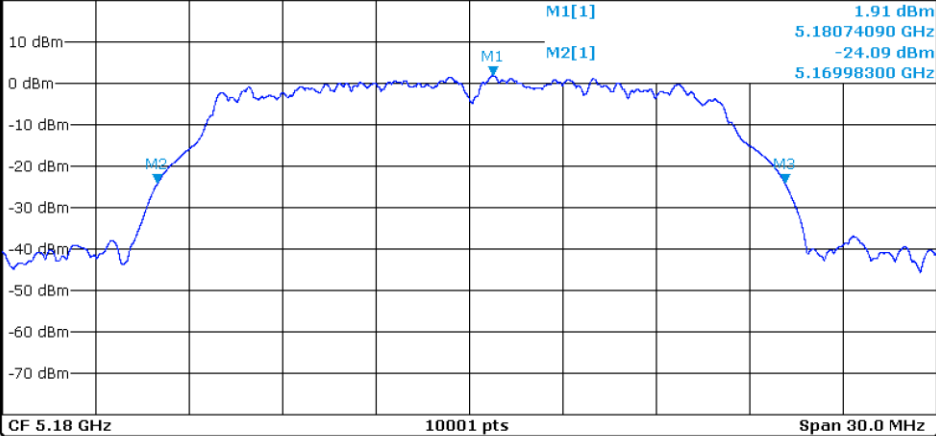
Test Graphs

-26dB Bandwidth NVNT a 5180MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.72 dB RBW 300 kHz
Att 30 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



Marker

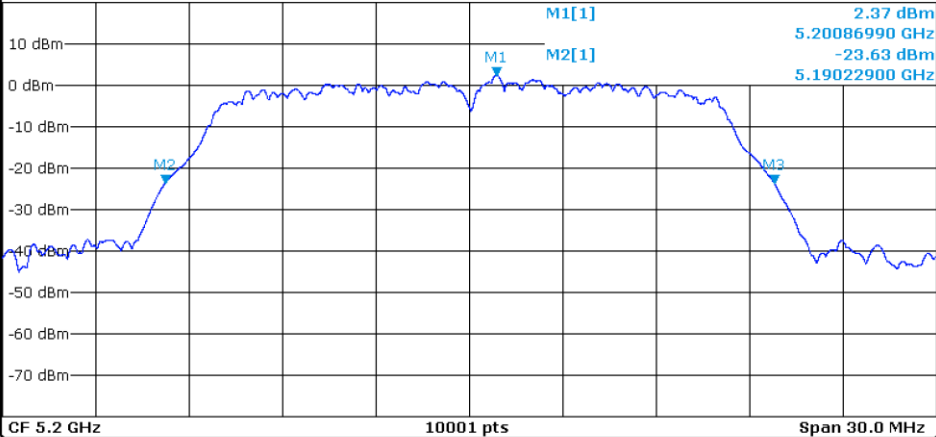
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.1807409 GHz	1.91 dBm		
M2	1		5.169983 GHz	-24.09 dBm		
M3	1		5.190125 GHz	-24.10 dBm		

-26dB Bandwidth NVNT a 5200MHz Ant1

Spectrum

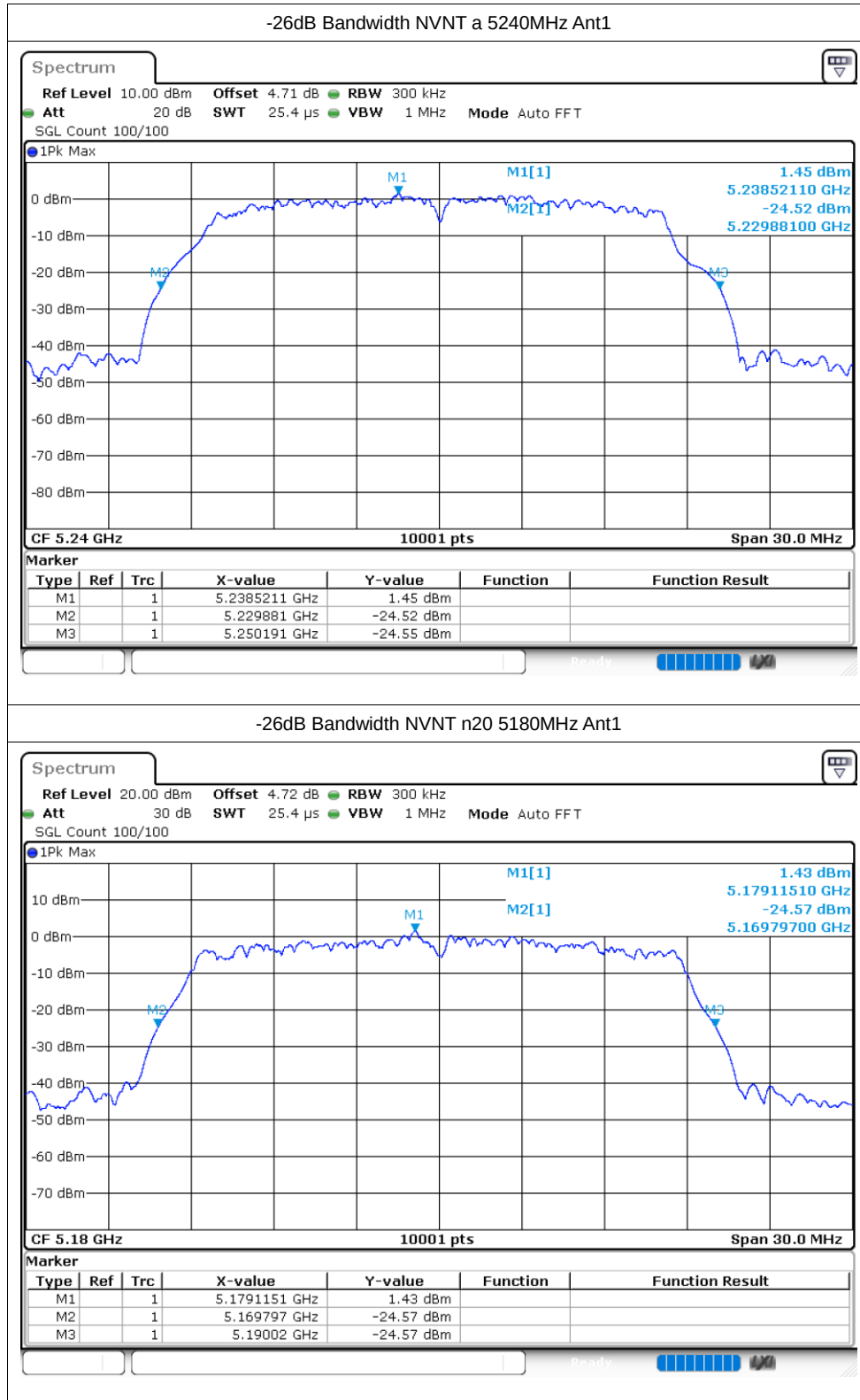
Ref Level 20.00 dBm Offset 4.73 dB RBW 300 kHz
Att 30 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

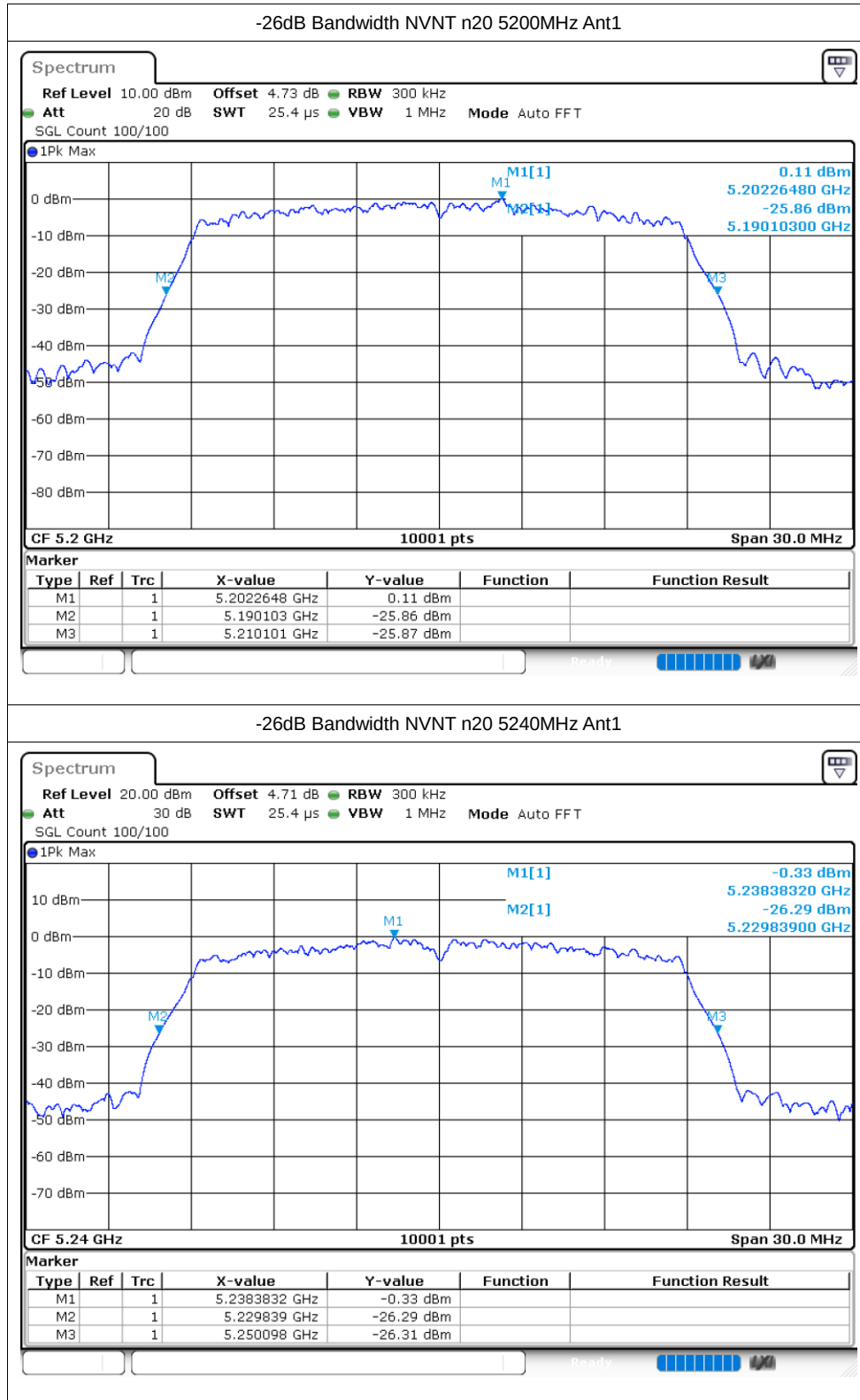
1Pk Max

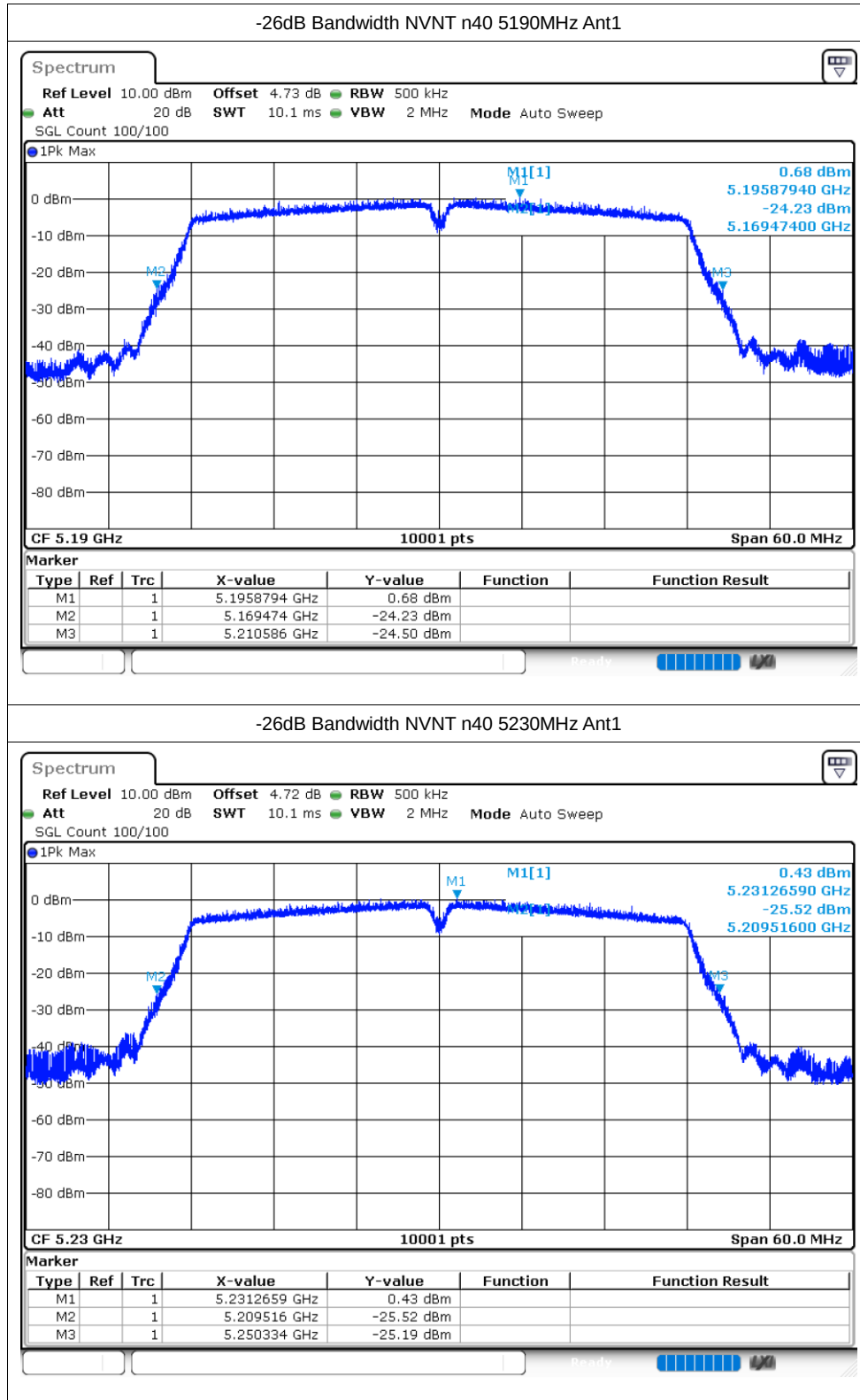


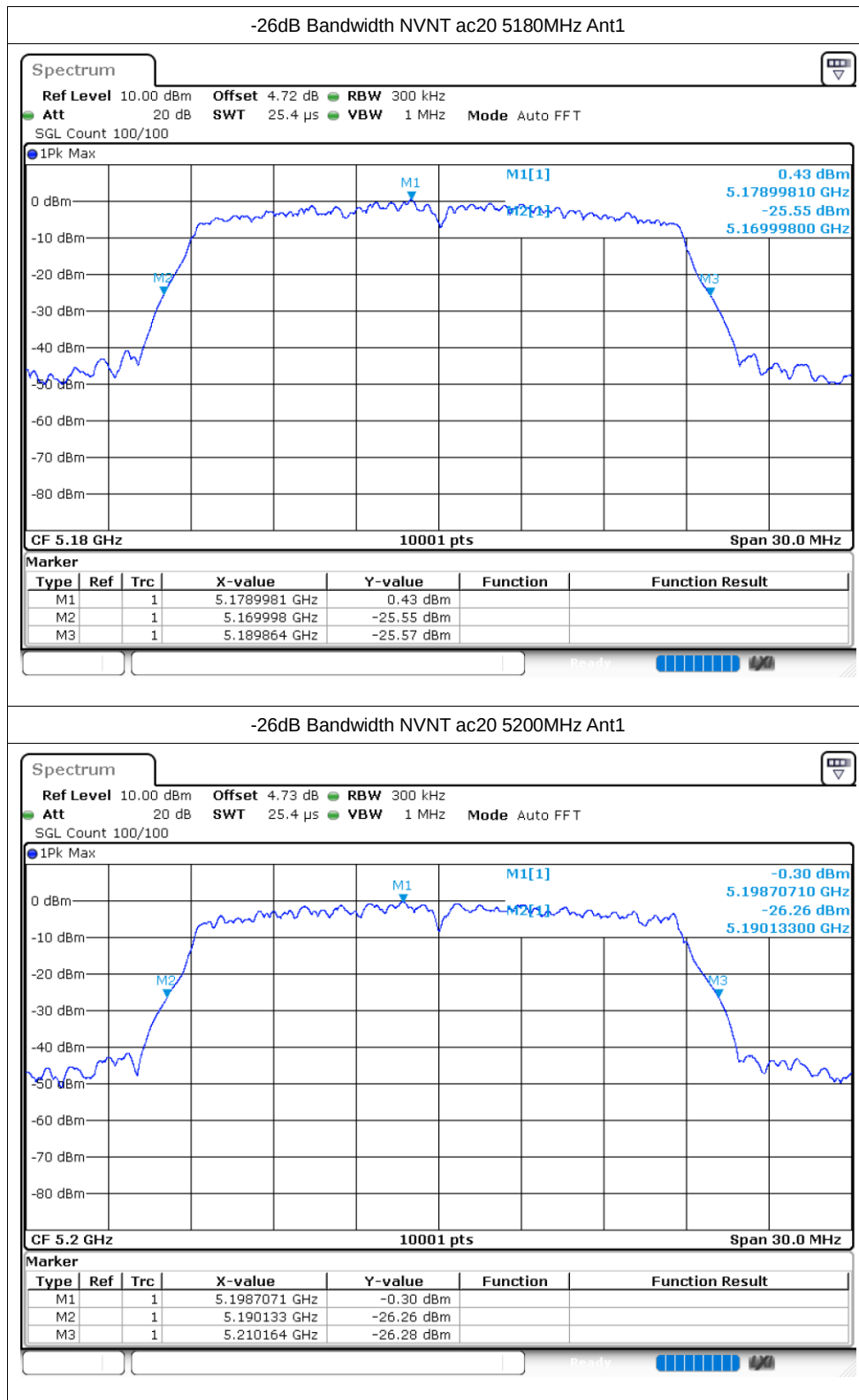
Marker

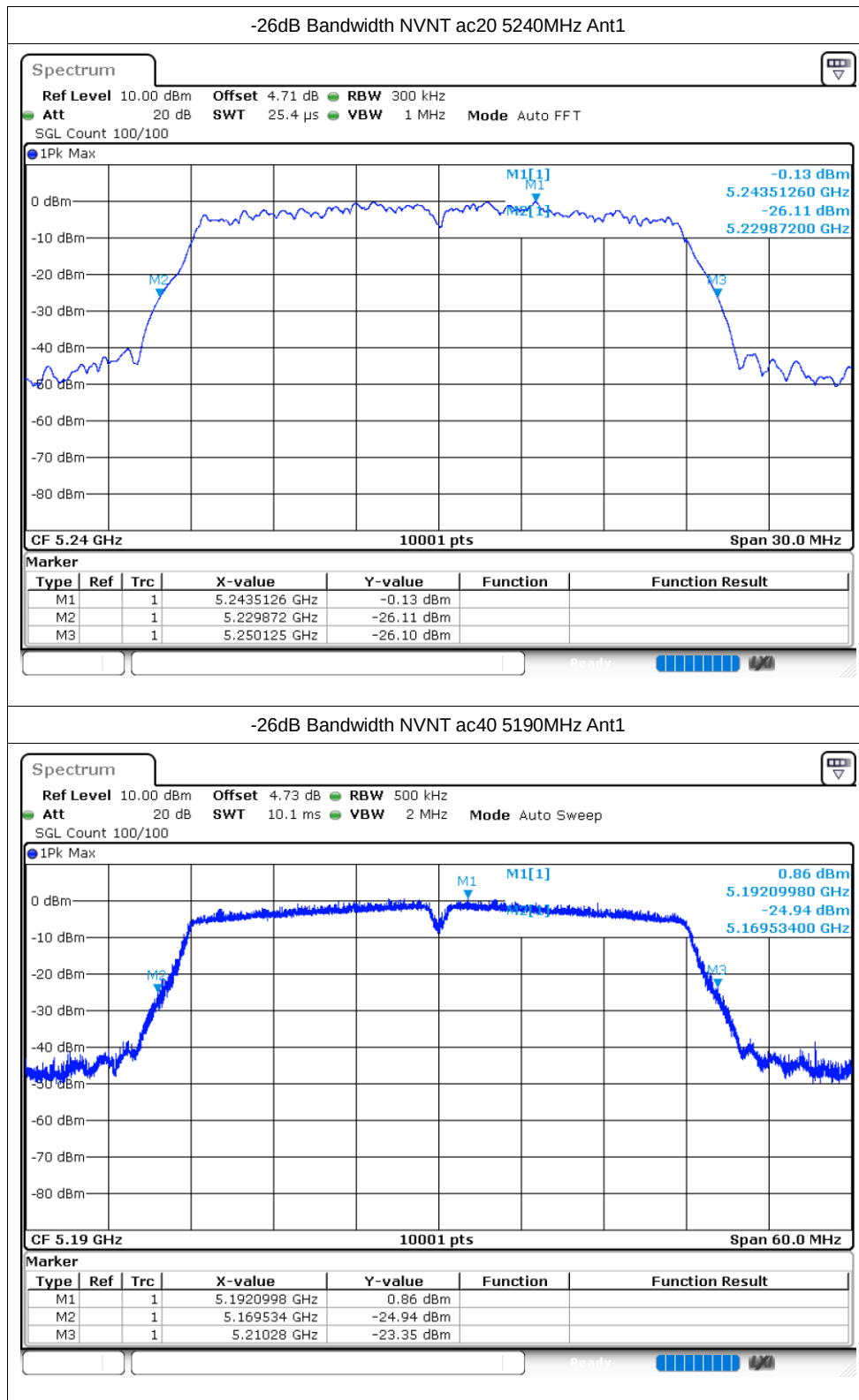
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2008699 GHz	2.37 dBm		
M2	1		5.190229 GHz	-23.63 dBm		
M3	1		5.209789 GHz	-23.64 dBm		

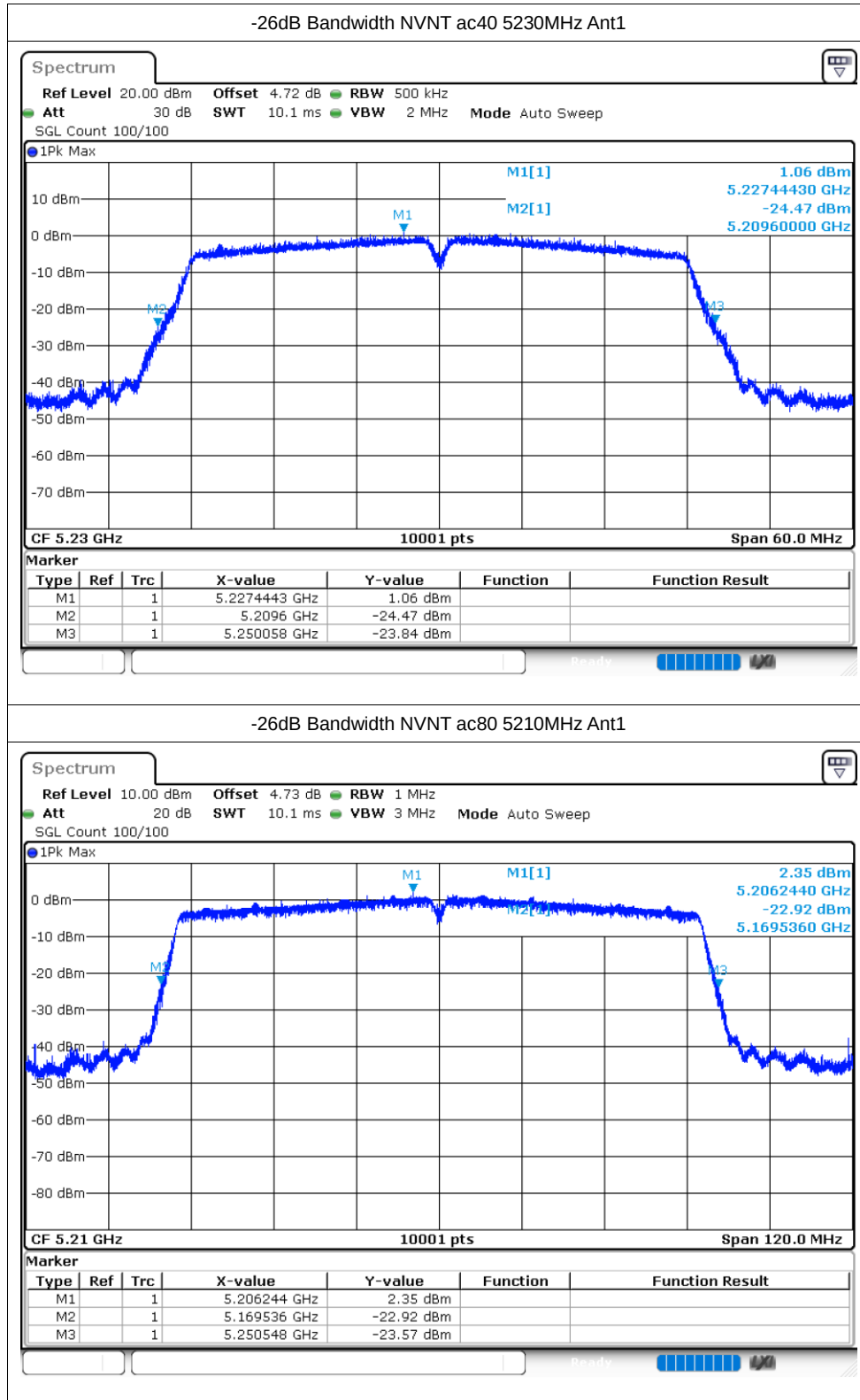










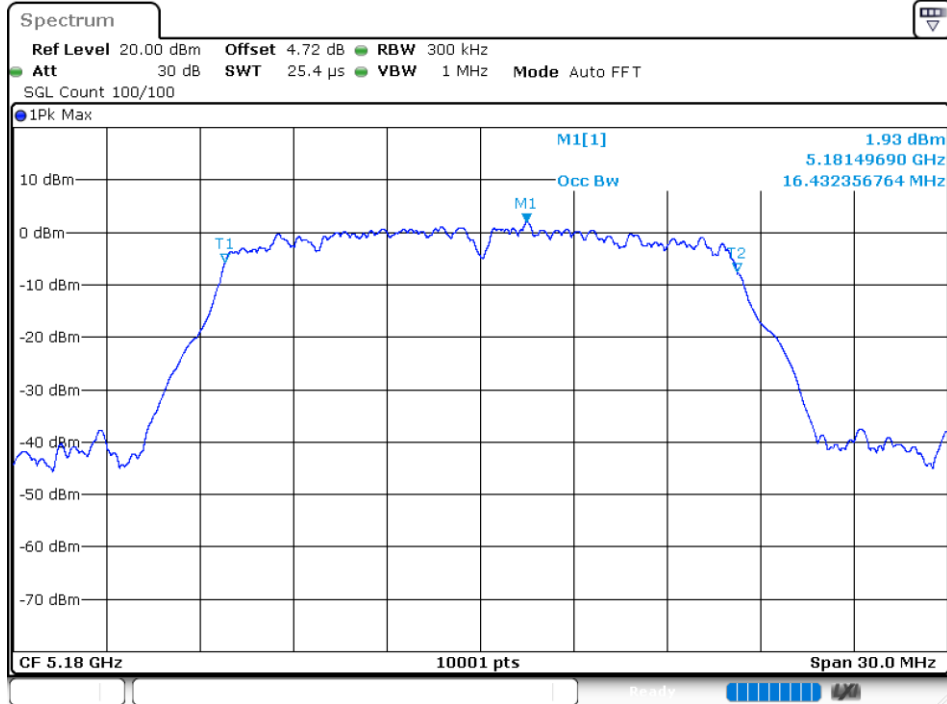


Occupied Channel Bandwidth

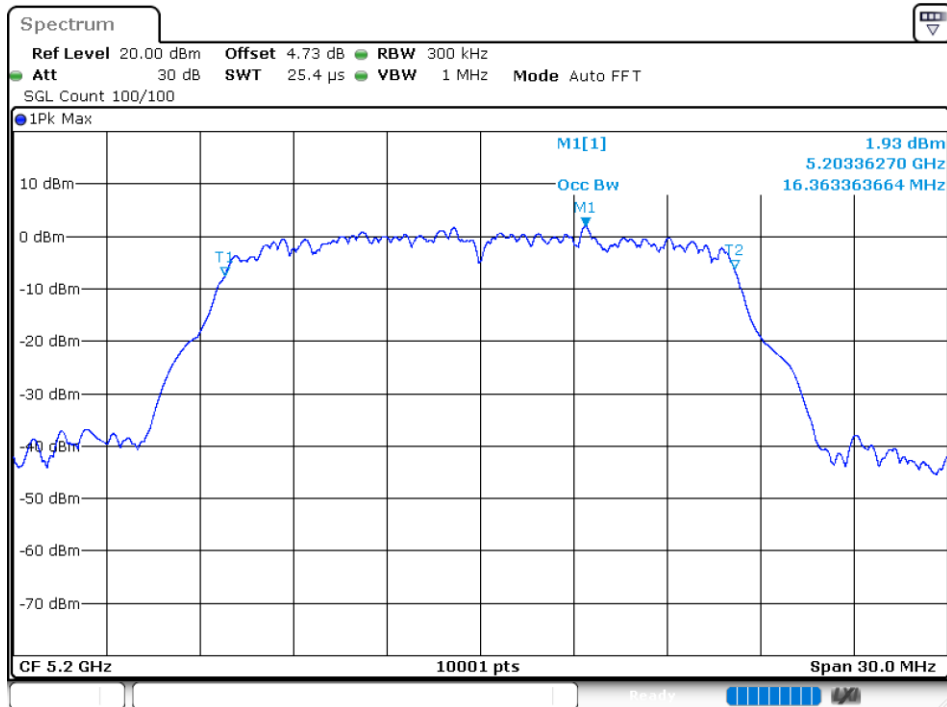
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.432
NVNT	a	5200	Ant1	16.363
NVNT	a	5240	Ant1	16.564
NVNT	n20	5180	Ant1	17.59
NVNT	n20	5200	Ant1	17.563
NVNT	n20	5240	Ant1	17.485
NVNT	n40	5190	Ant1	36.092
NVNT	n40	5230	Ant1	36.032
NVNT	ac20	5180	Ant1	17.587
NVNT	ac20	5200	Ant1	17.593
NVNT	ac20	5240	Ant1	17.584
NVNT	ac40	5190	Ant1	36.062
NVNT	ac40	5230	Ant1	36.008
NVNT	ac80	5210	Ant1	75.172

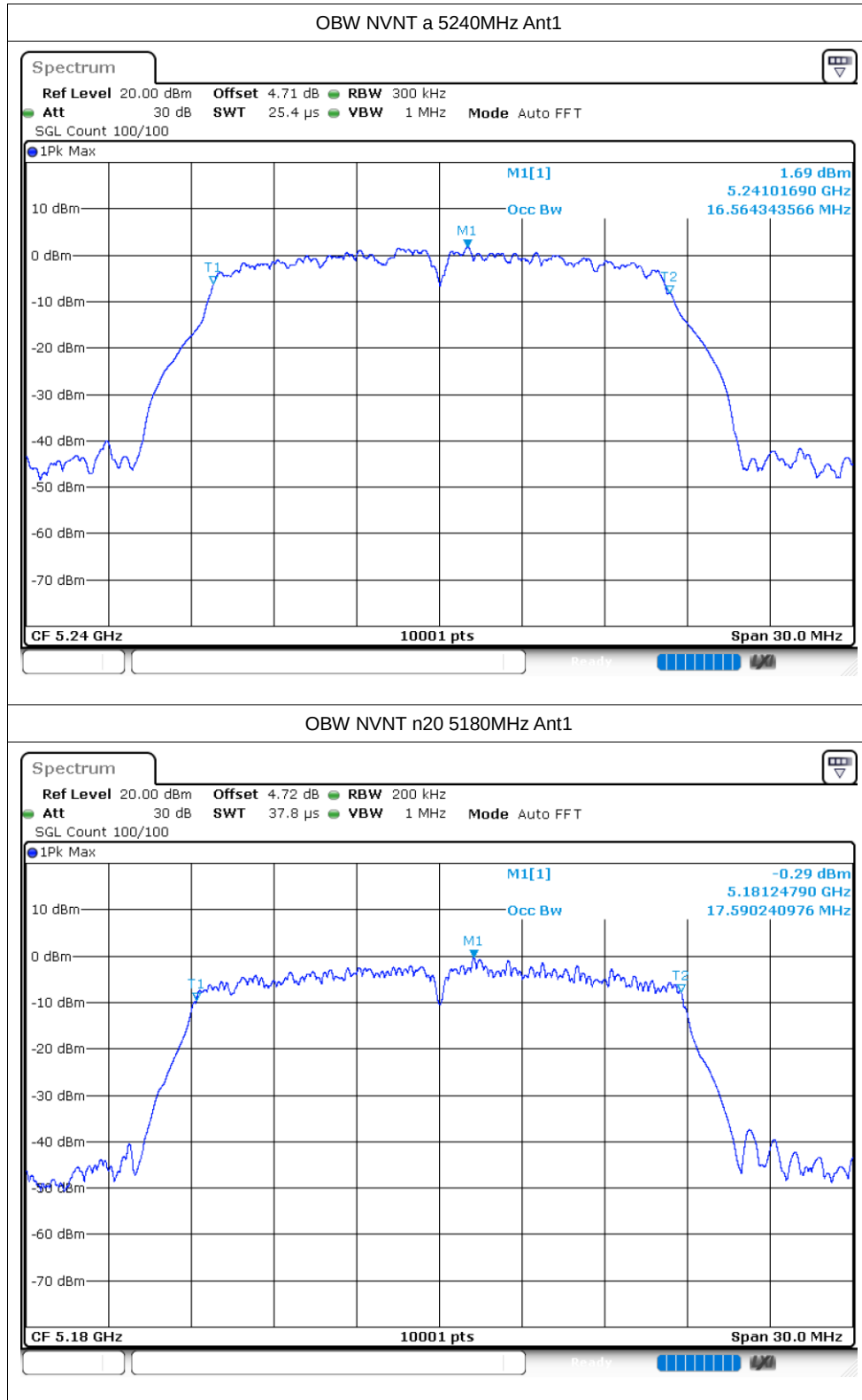
Test Graphs

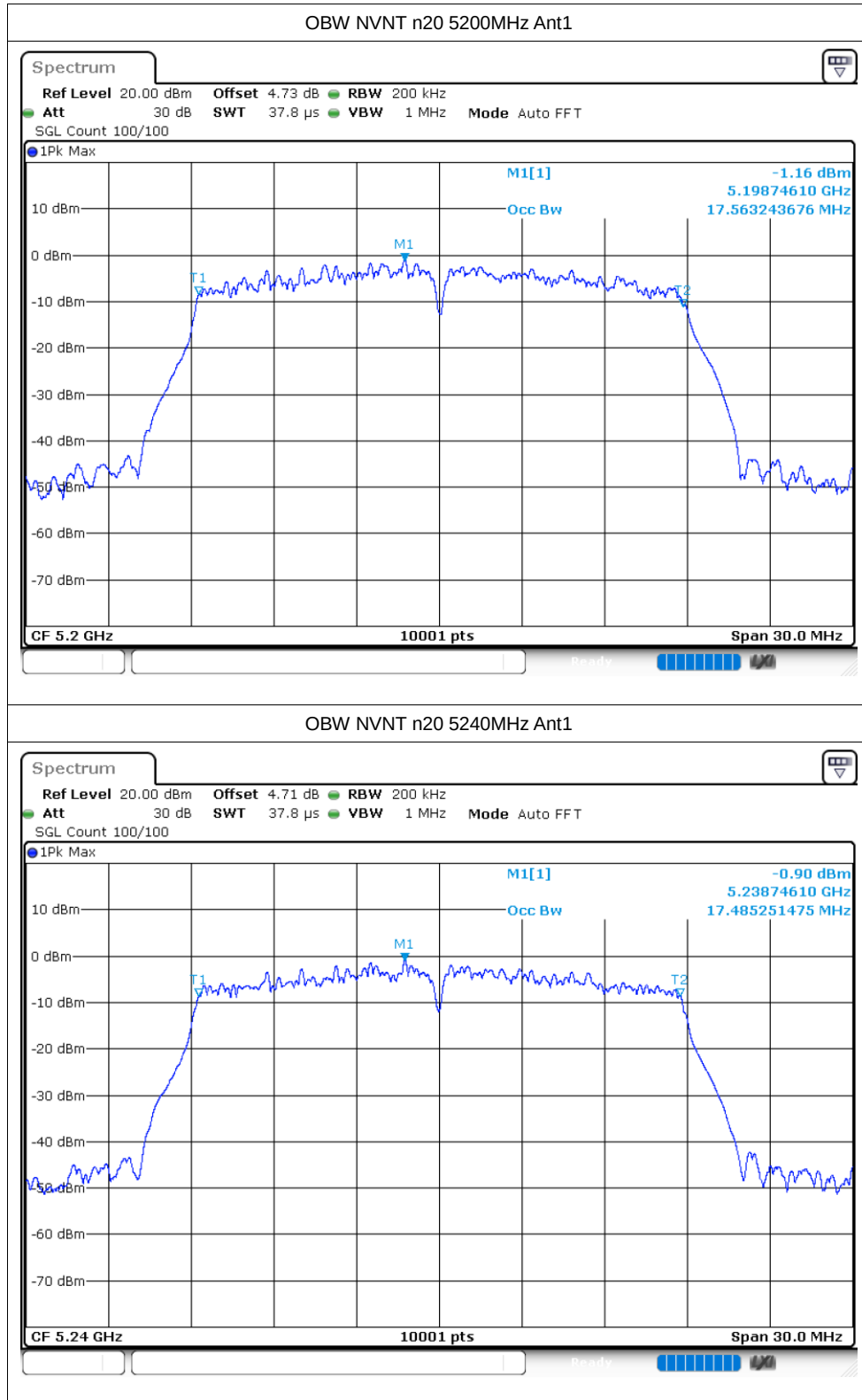
OBW NVNT a 5180MHz Ant1

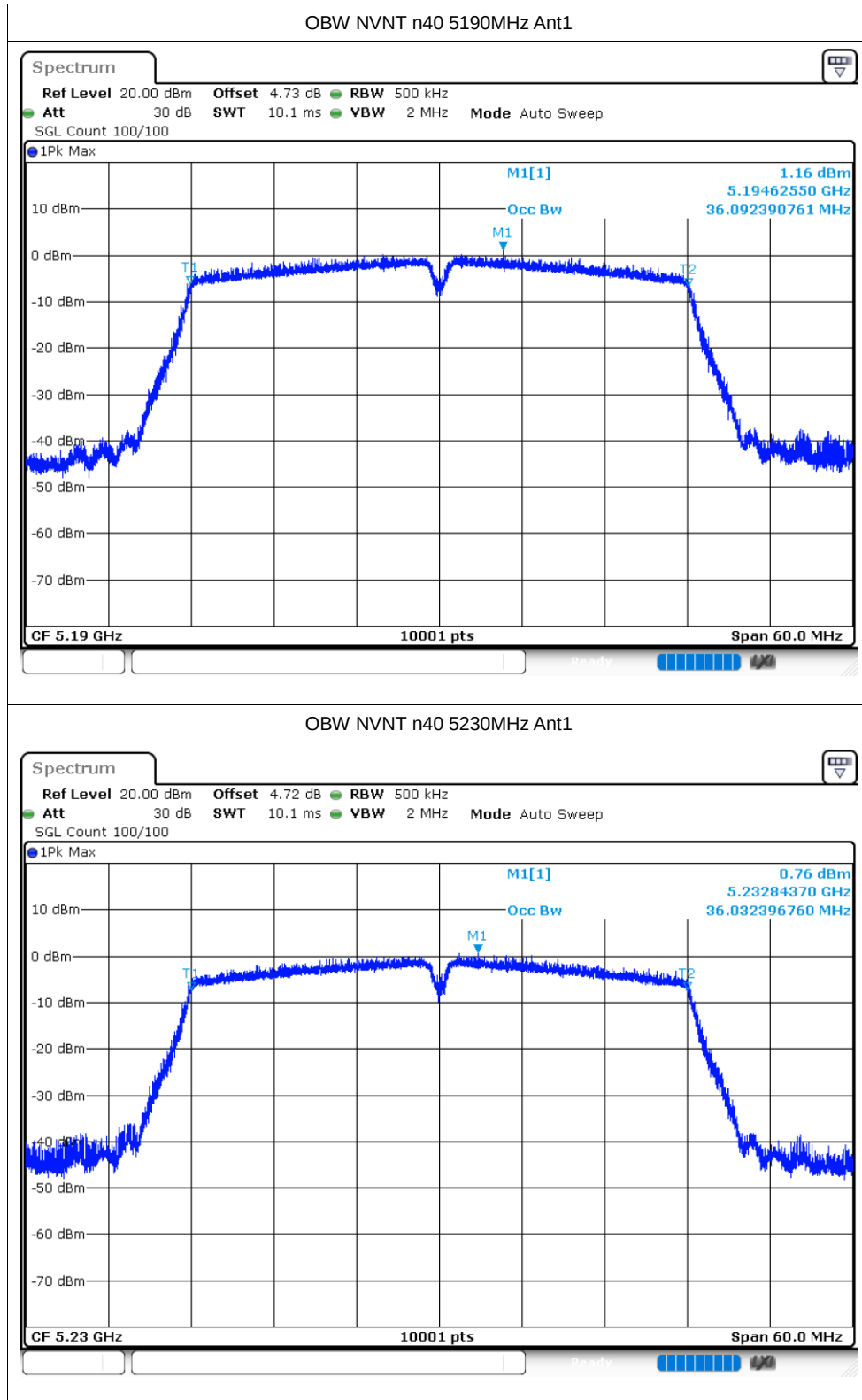


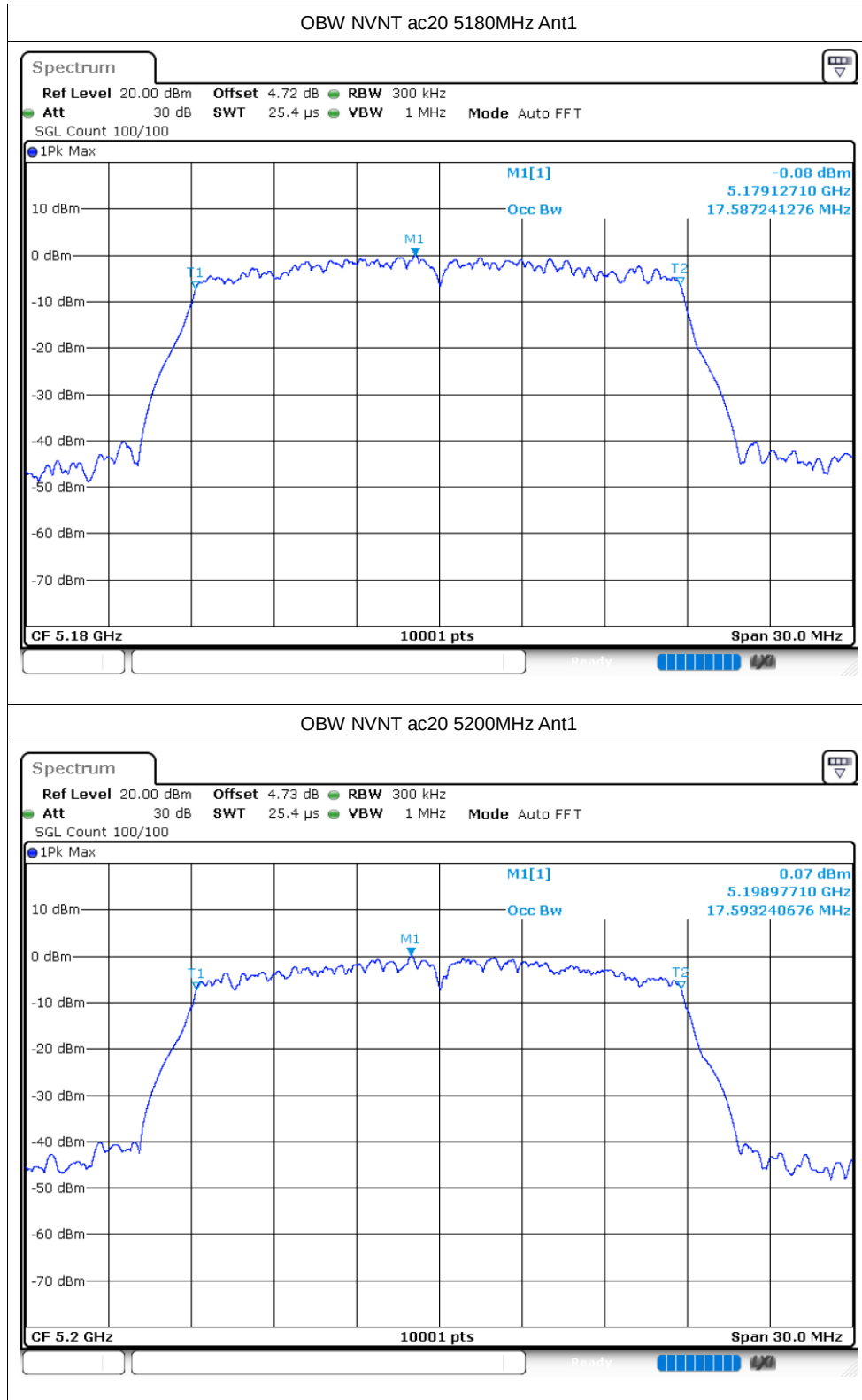
OBW NVNT a 5200MHz Ant1

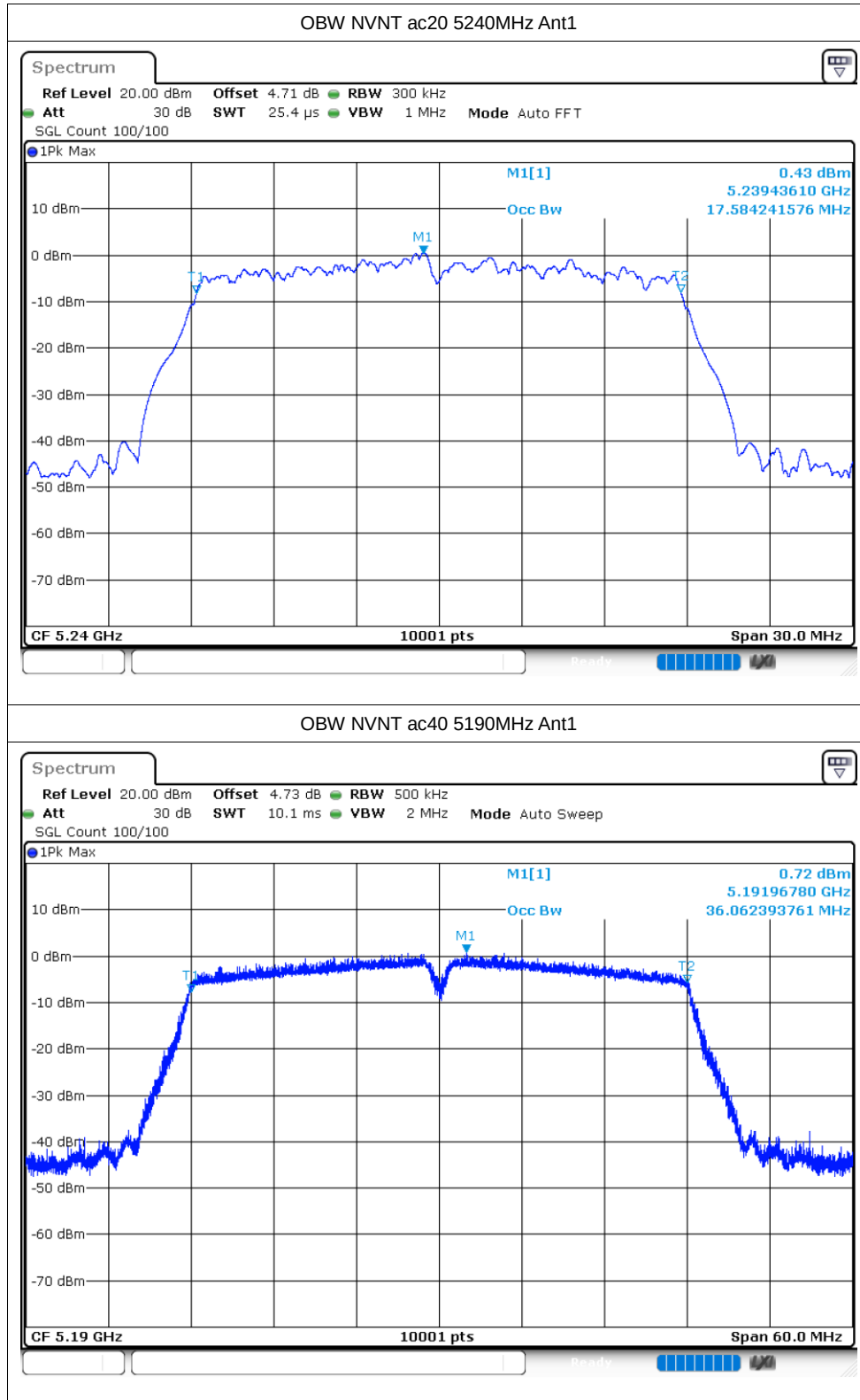


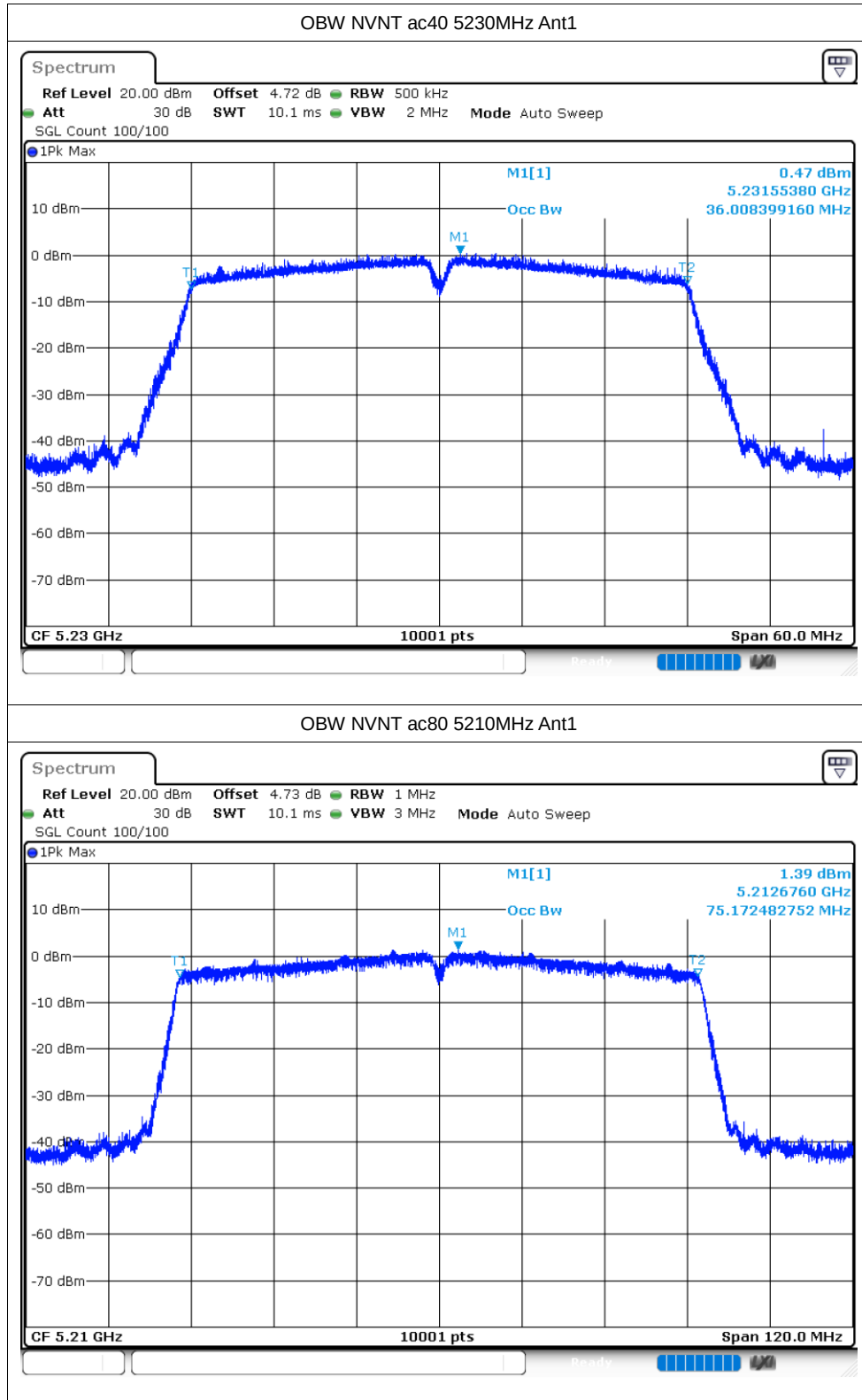










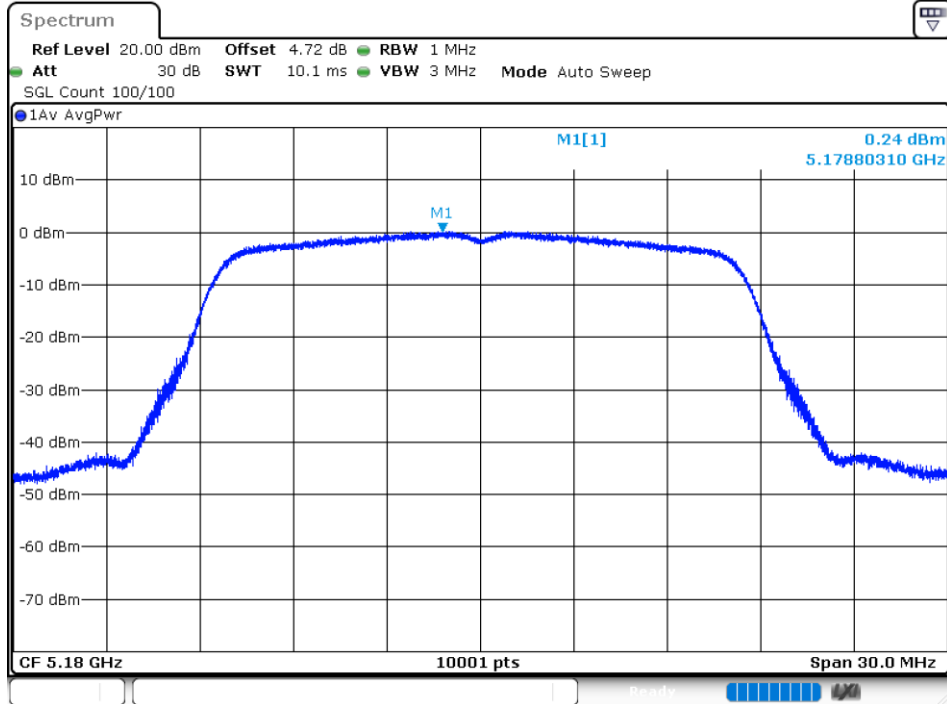


Maximum Power Spectral Density Level

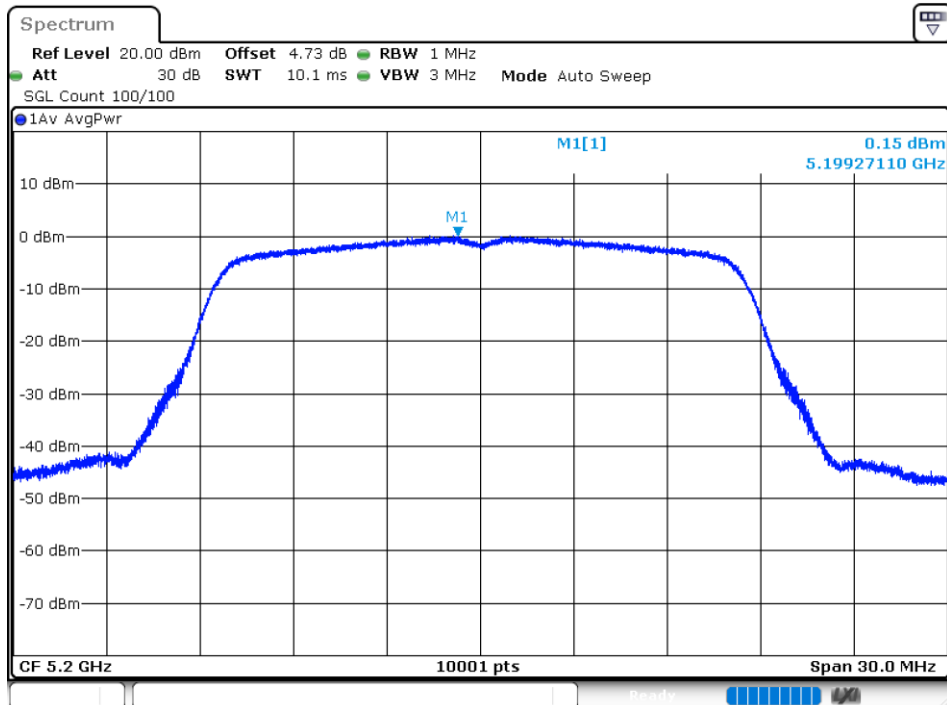
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	0.24	0.11	0.35	11	Pass
NVNT	a	5200	Ant1	0.15	0.11	0.26	11	Pass
NVNT	a	5240	Ant1	-0.19	0.11	-0.08	11	Pass
NVNT	n20	5180	Ant1	-1.54	0.11	-1.43	11	Pass
NVNT	n20	5200	Ant1	-2.35	0.11	-2.24	11	Pass
NVNT	n20	5240	Ant1	-2.23	0.11	-2.12	11	Pass
NVNT	n40	5190	Ant1	-5.18	0.22	-4.96	11	Pass
NVNT	n40	5230	Ant1	-5.15	0.22	-4.93	11	Pass
NVNT	ac20	5180	Ant1	-1.57	0.11	-1.46	11	Pass
NVNT	ac20	5200	Ant1	-1.59	0.11	-1.48	11	Pass
NVNT	ac20	5240	Ant1	-1.59	0.11	-1.48	11	Pass
NVNT	ac40	5190	Ant1	-4.62	0.22	-4.4	11	Pass
NVNT	ac40	5230	Ant1	-4.71	0.22	-4.49	11	Pass
NVNT	ac80	5210	Ant1	-7.67	0.42	-7.25	11	Pass

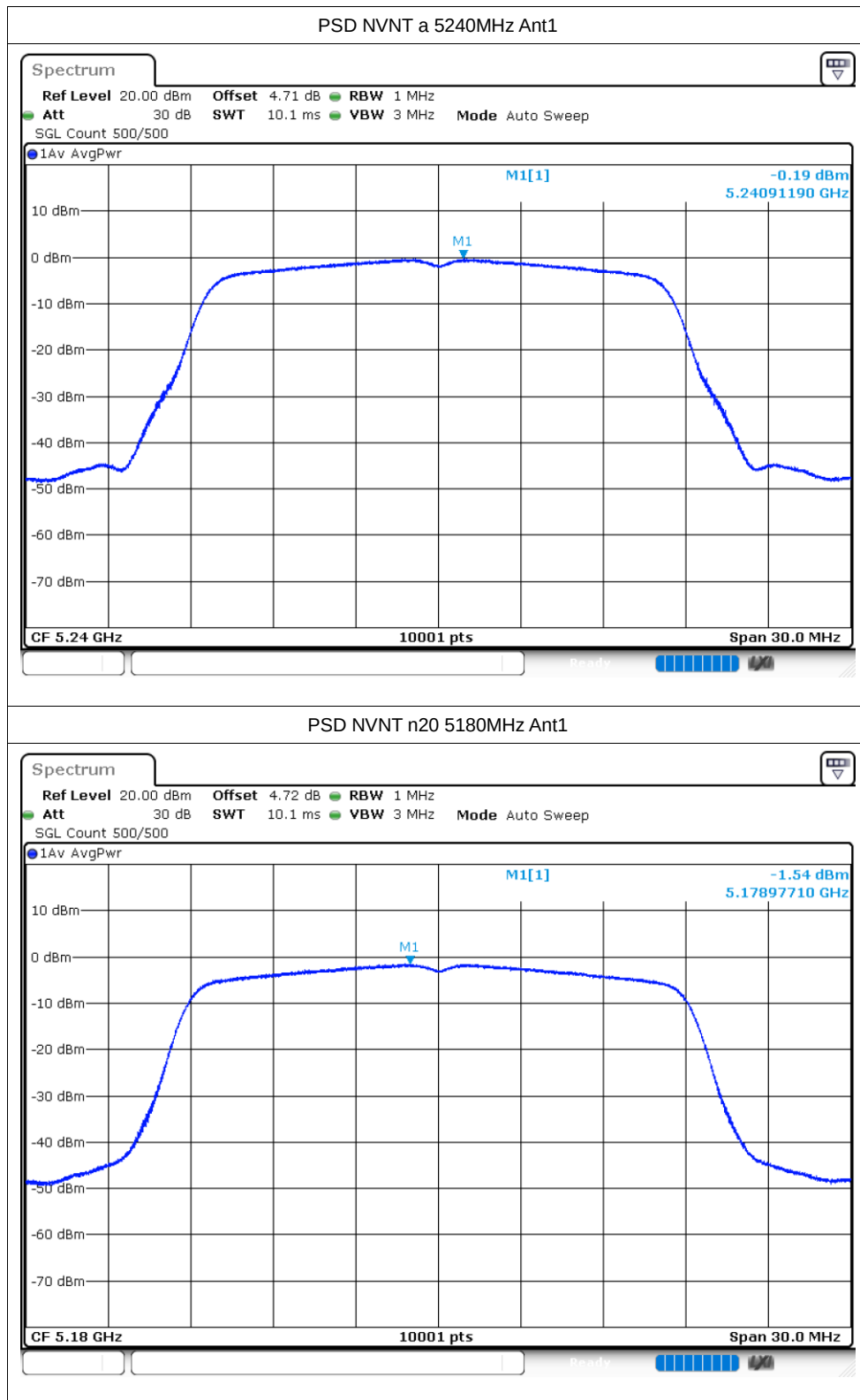
Test Graphs

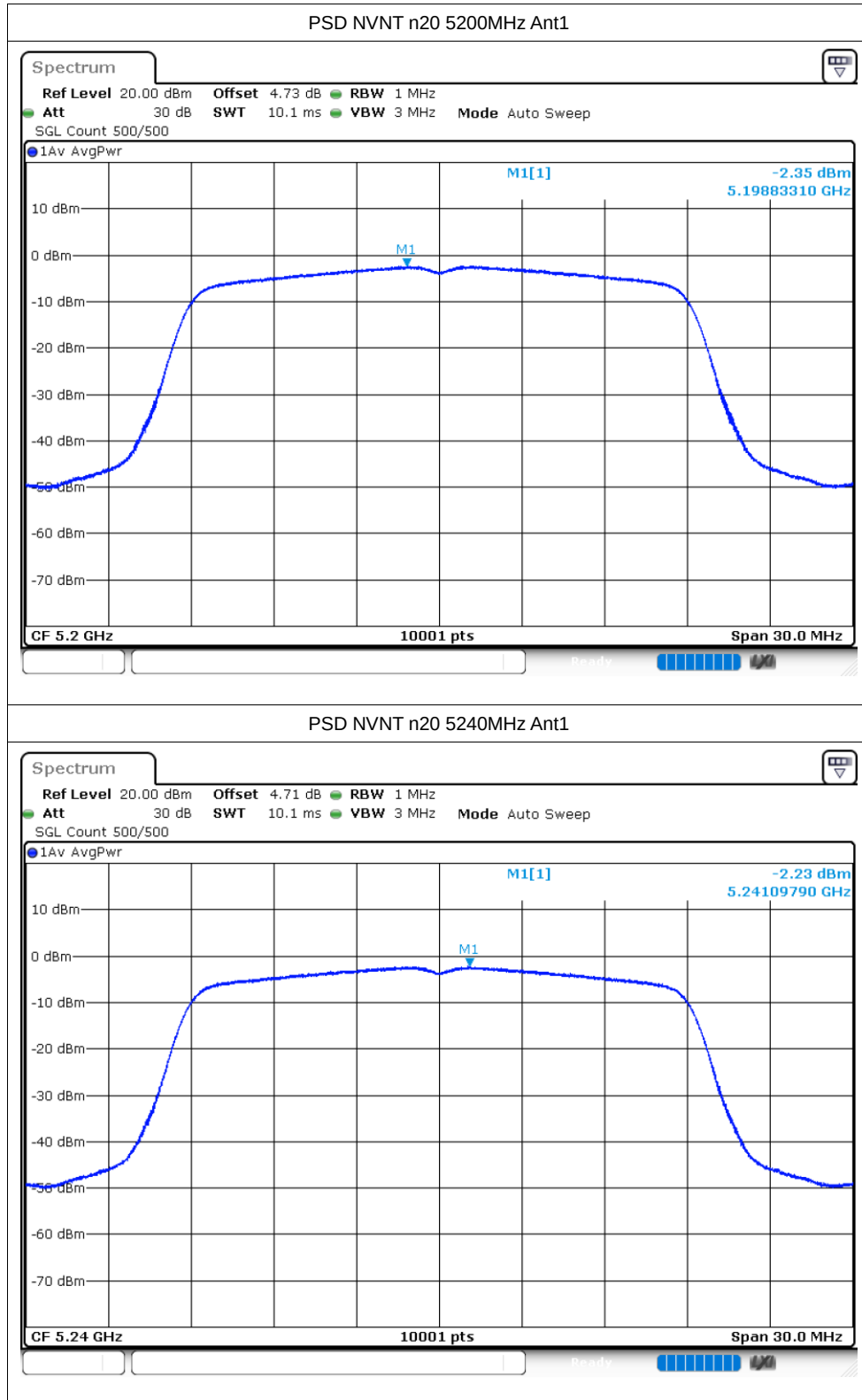
PSD NVNT a 5180MHz Ant1

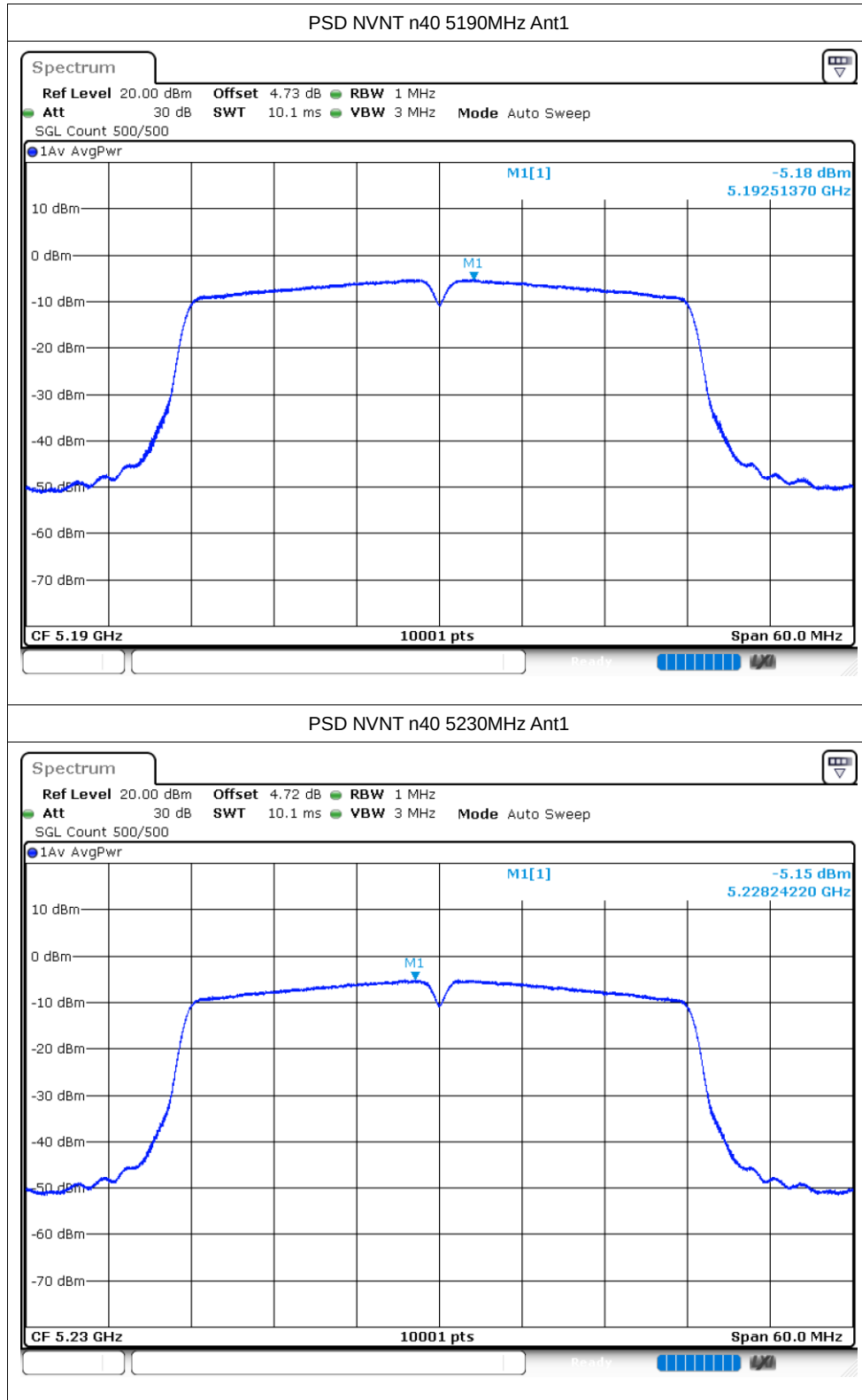


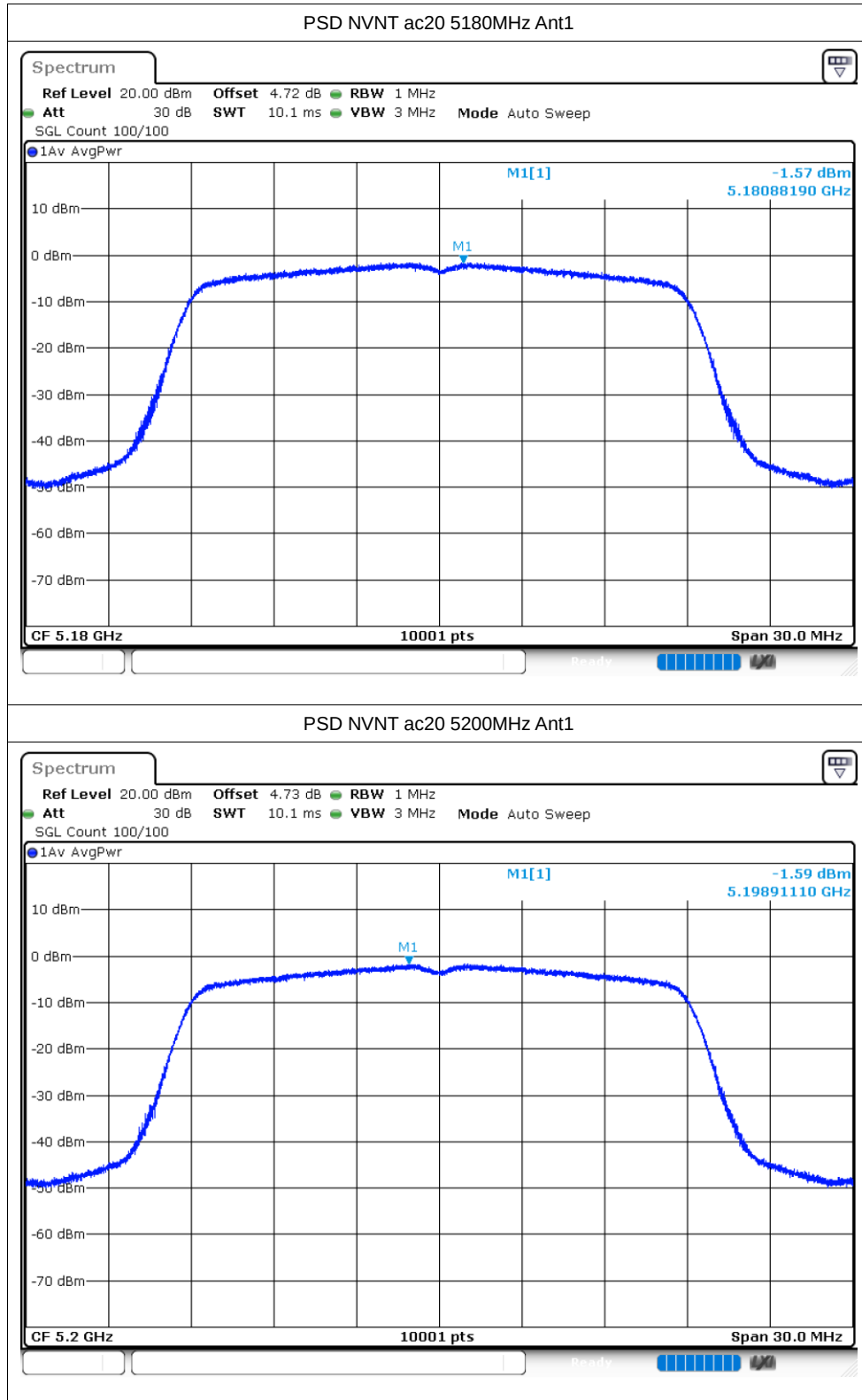
PSD NVNT a 5200MHz Ant1

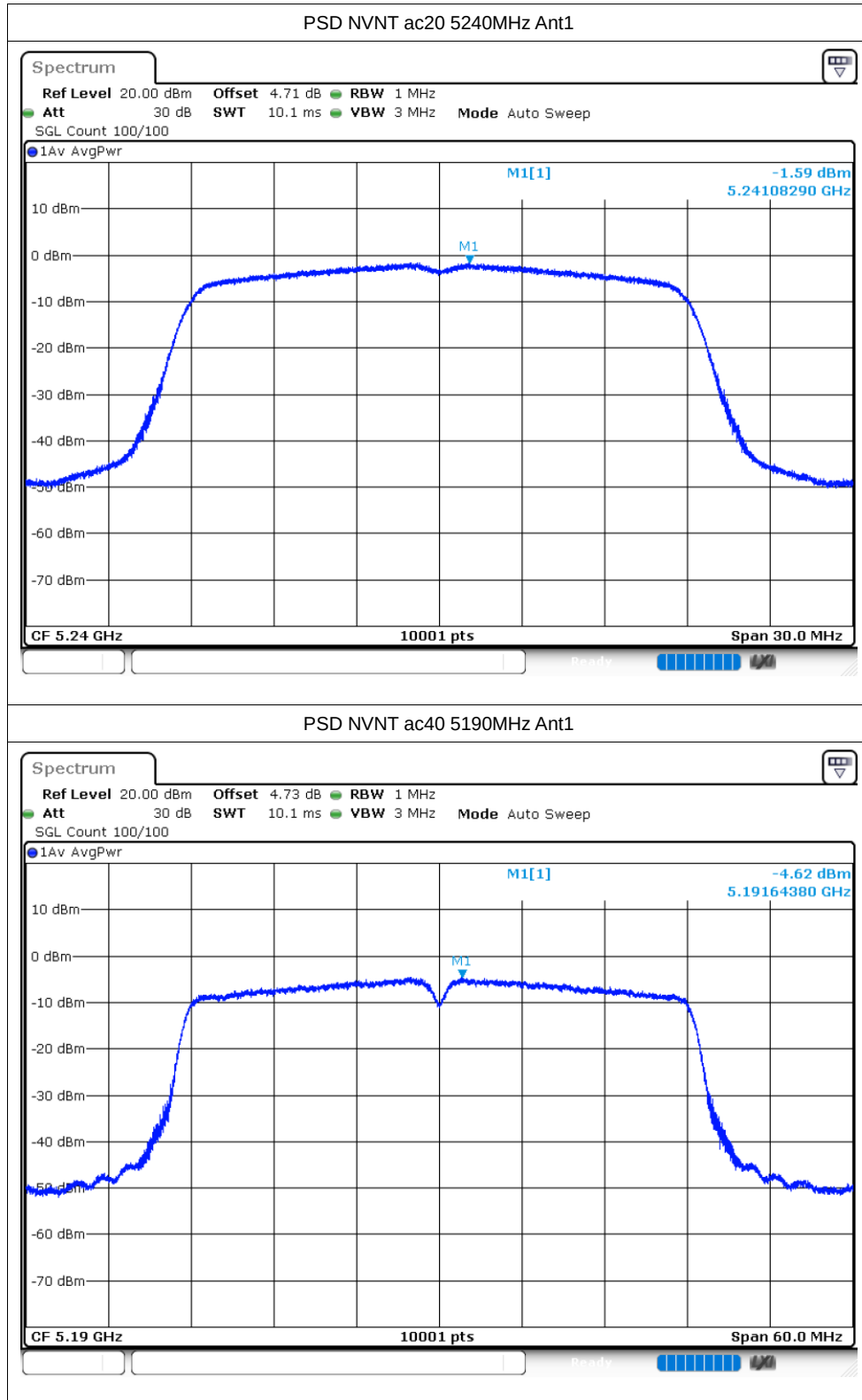


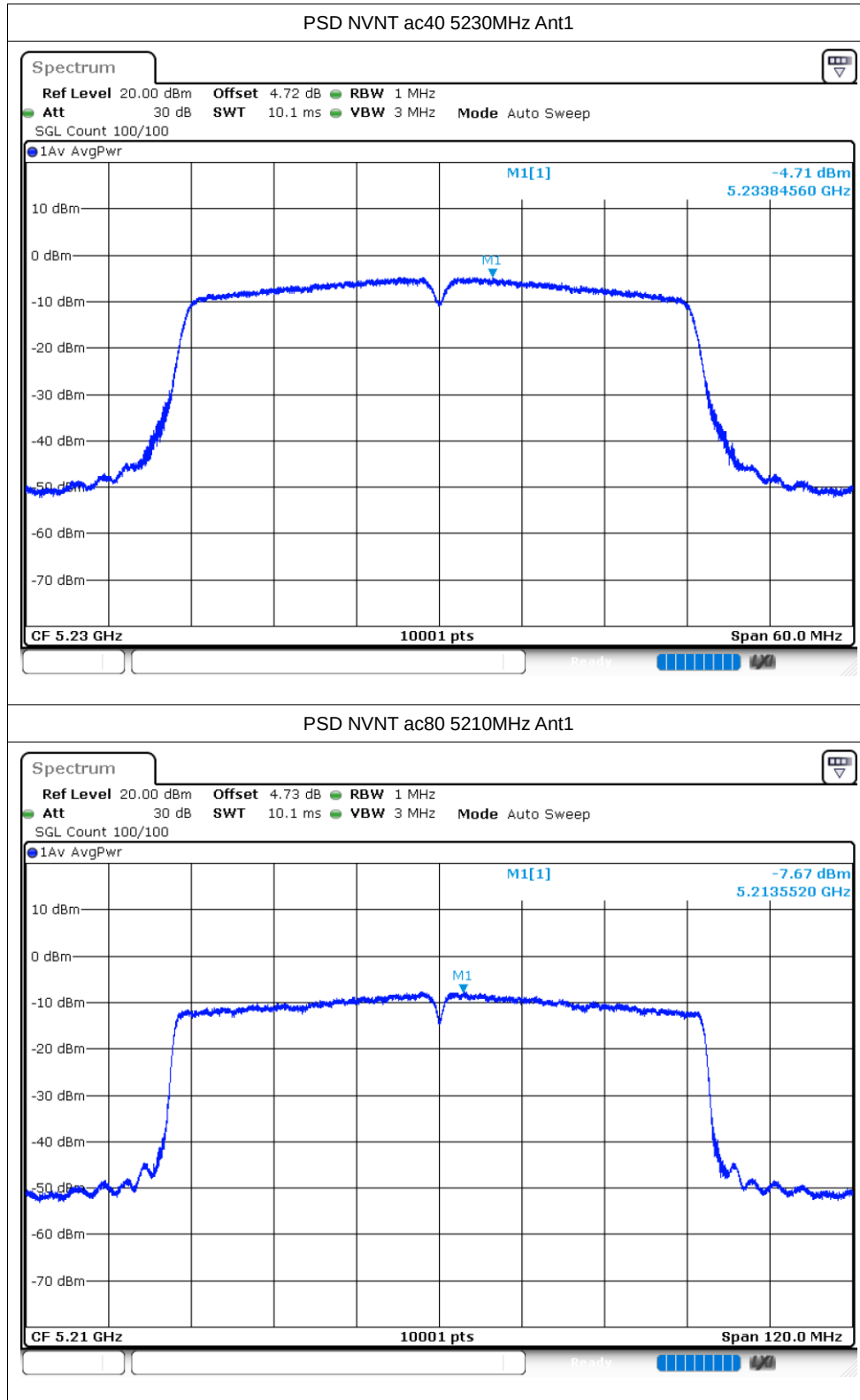












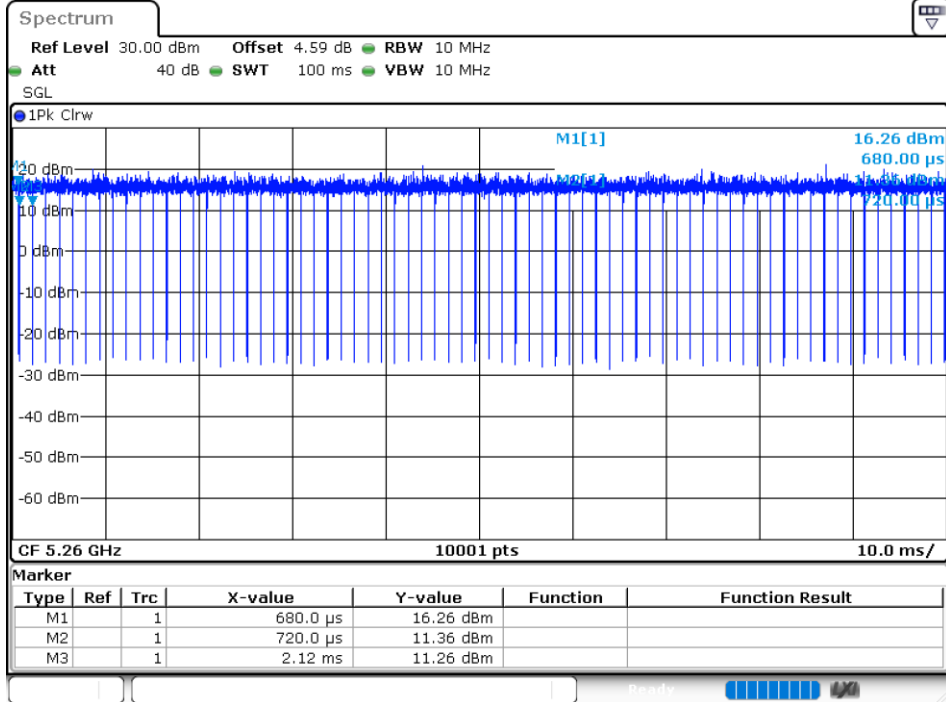
5.3G WIFI

Duty Cycle

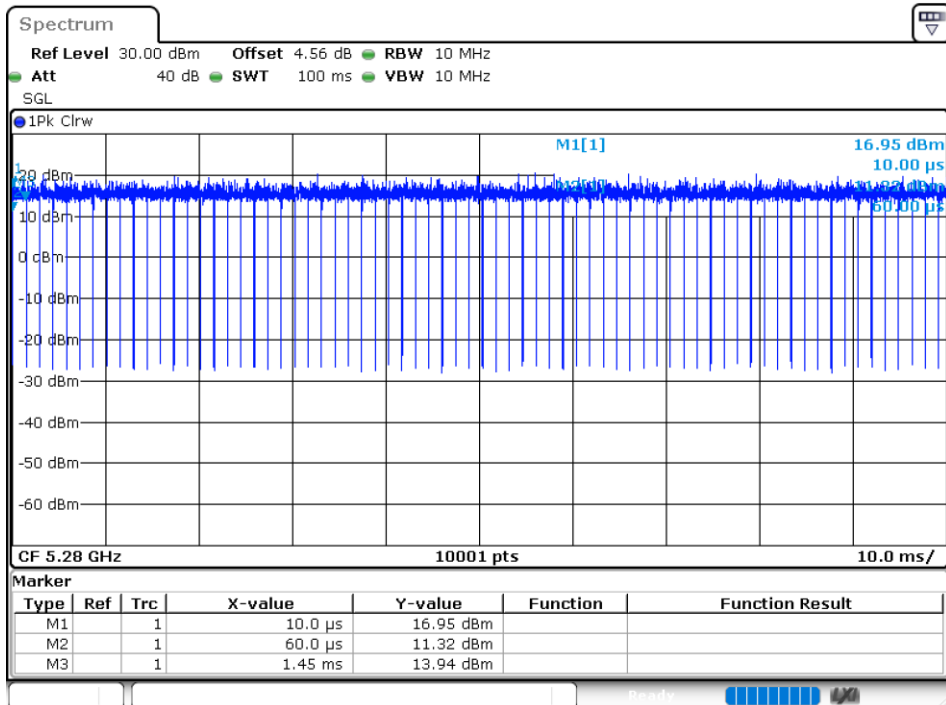
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant1	97.56	0.11	0.71
NVNT	a	5280	Ant1	97.56	0.11	0.72
NVNT	a	5320	Ant1	97.55	0.11	0.72
NVNT	n20	5260	Ant1	97.44	0.11	0.77
NVNT	n20	5280	Ant1	97.41	0.11	0.77
NVNT	n20	5320	Ant1	97.4	0.11	0.77
NVNT	n40	5270	Ant1	95.04	0.22	1.54
NVNT	n40	5310	Ant1	95.09	0.22	1.54
NVNT	ac20	5260	Ant1	97.47	0.11	0.76
NVNT	ac20	5280	Ant1	97.42	0.11	0.76
NVNT	ac20	5320	Ant1	97.43	0.11	0.76
NVNT	ac40	5270	Ant1	95.09	0.22	1.54
NVNT	ac40	5310	Ant1	95.09	0.22	1.54
NVNT	ac80	5290	Ant1	90.6	0.43	3.12

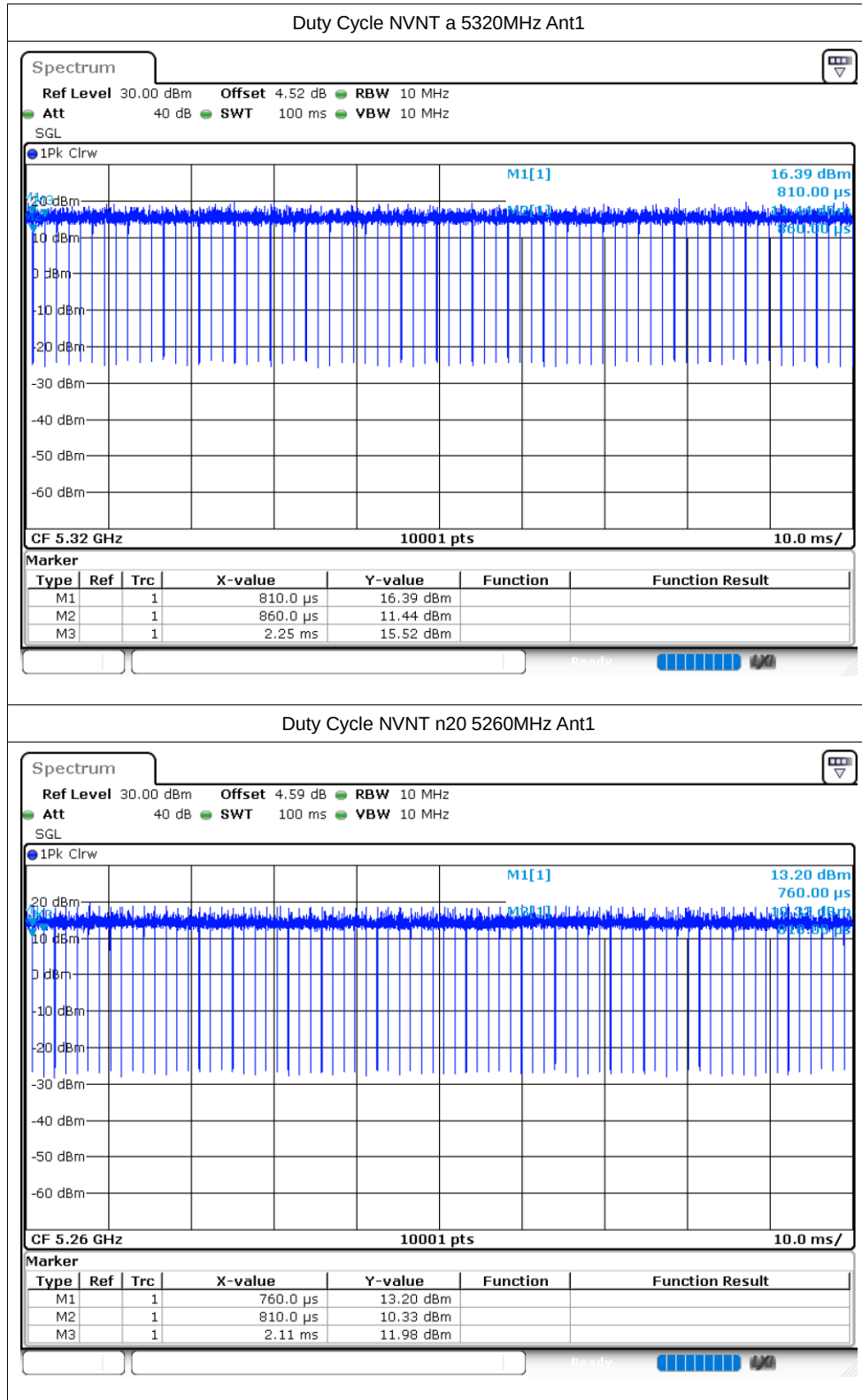
Test Graphs

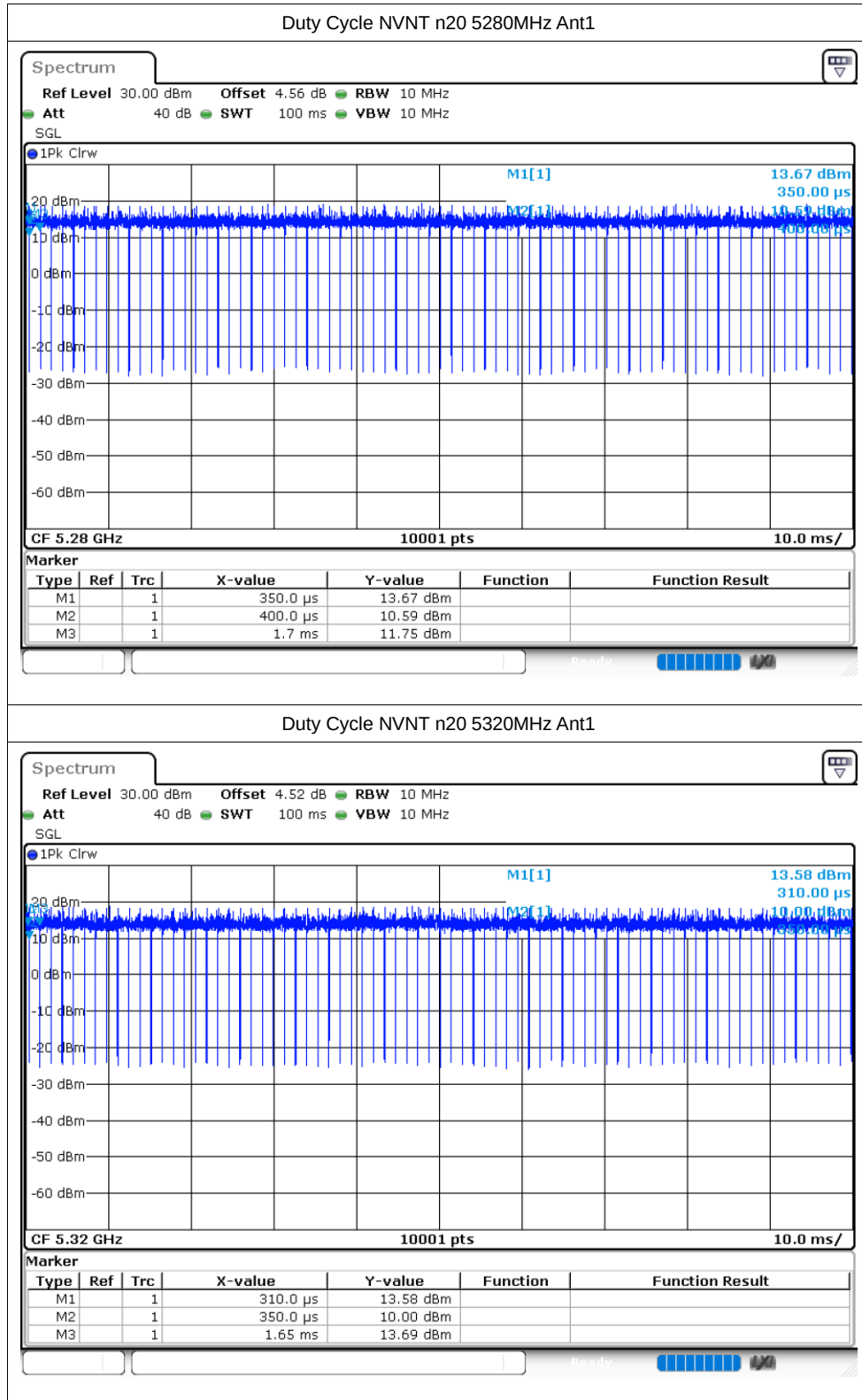
Duty Cycle NVNT a 5260MHz Ant1

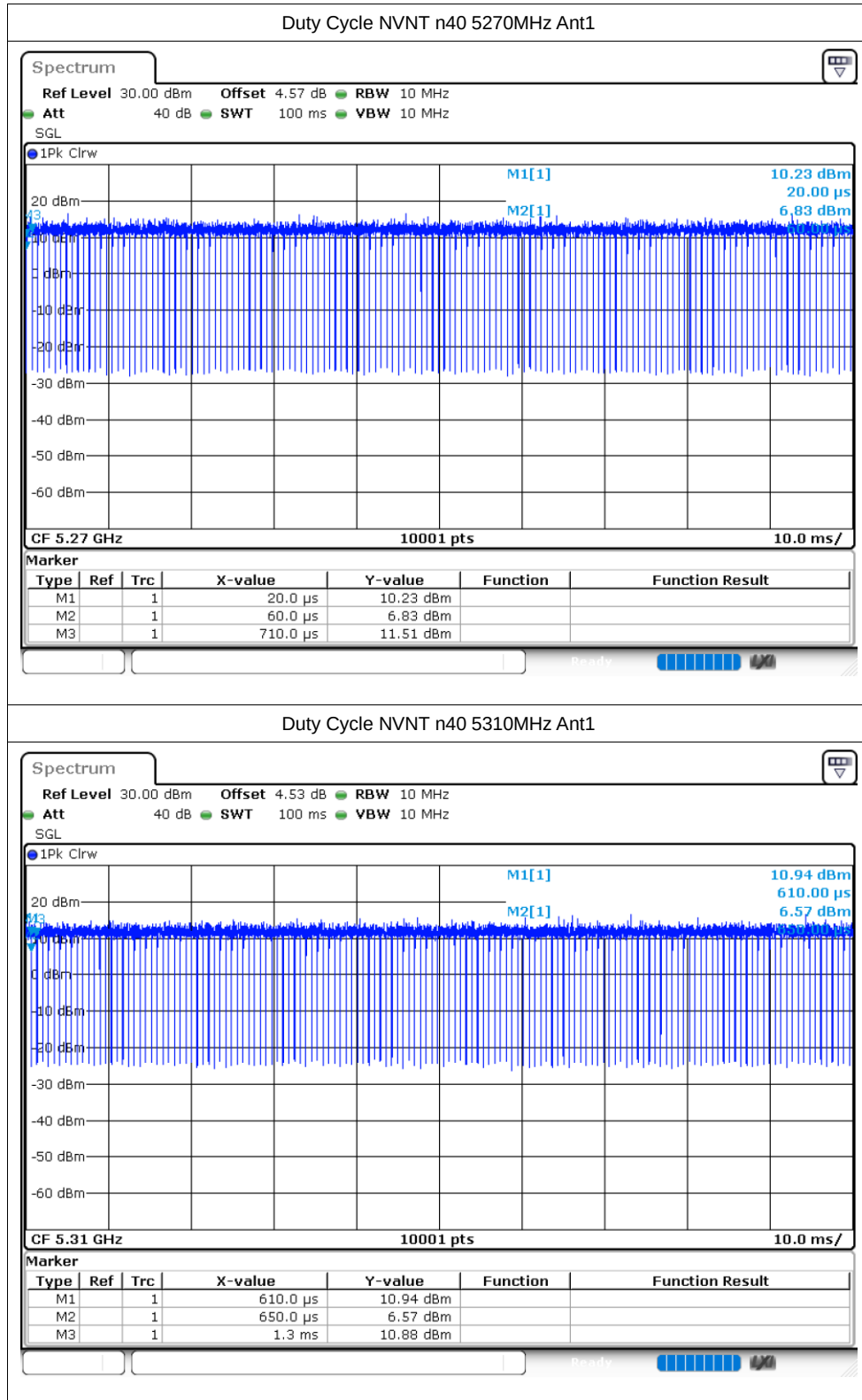


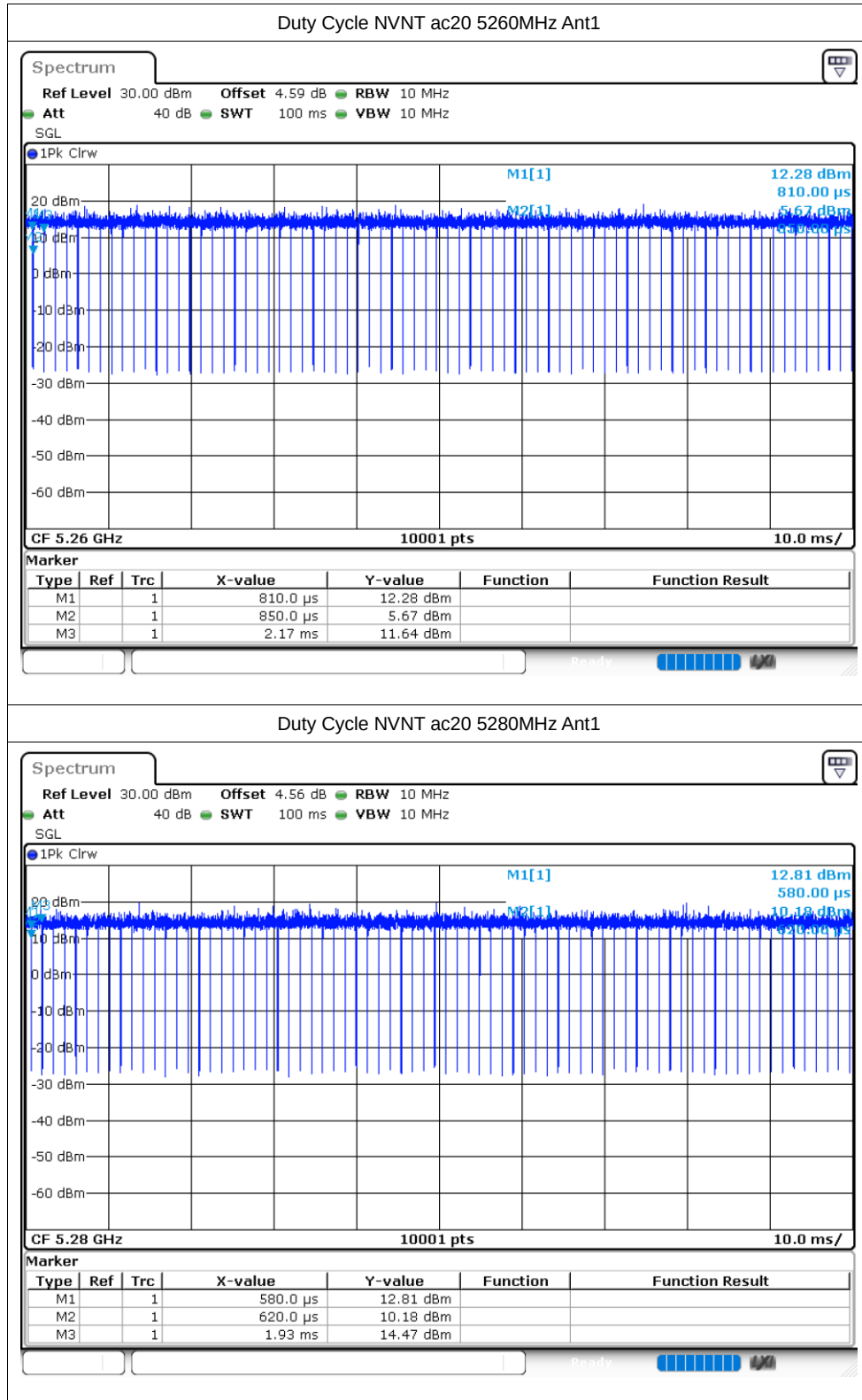
Duty Cycle NVNT a 5280MHz Ant1

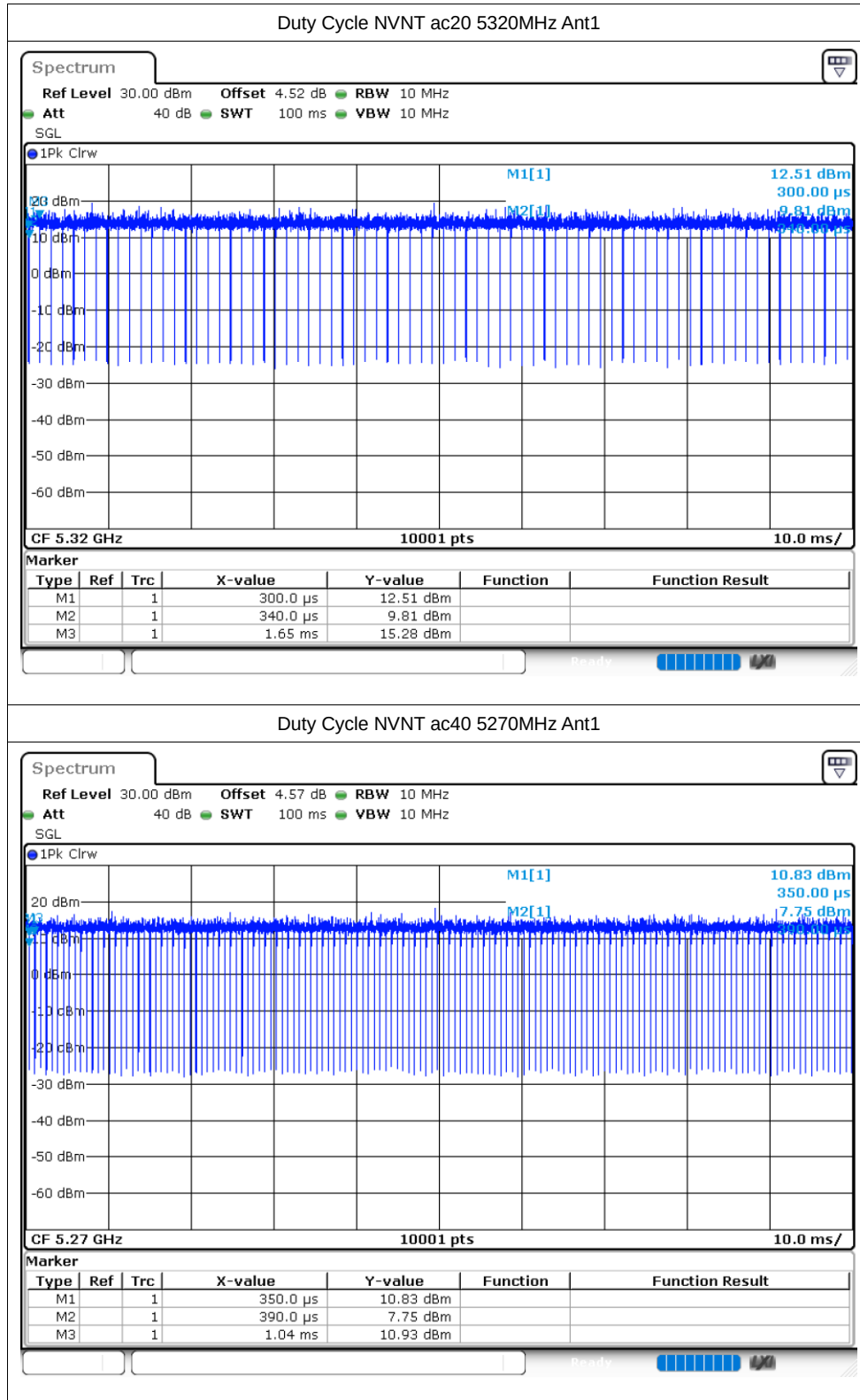


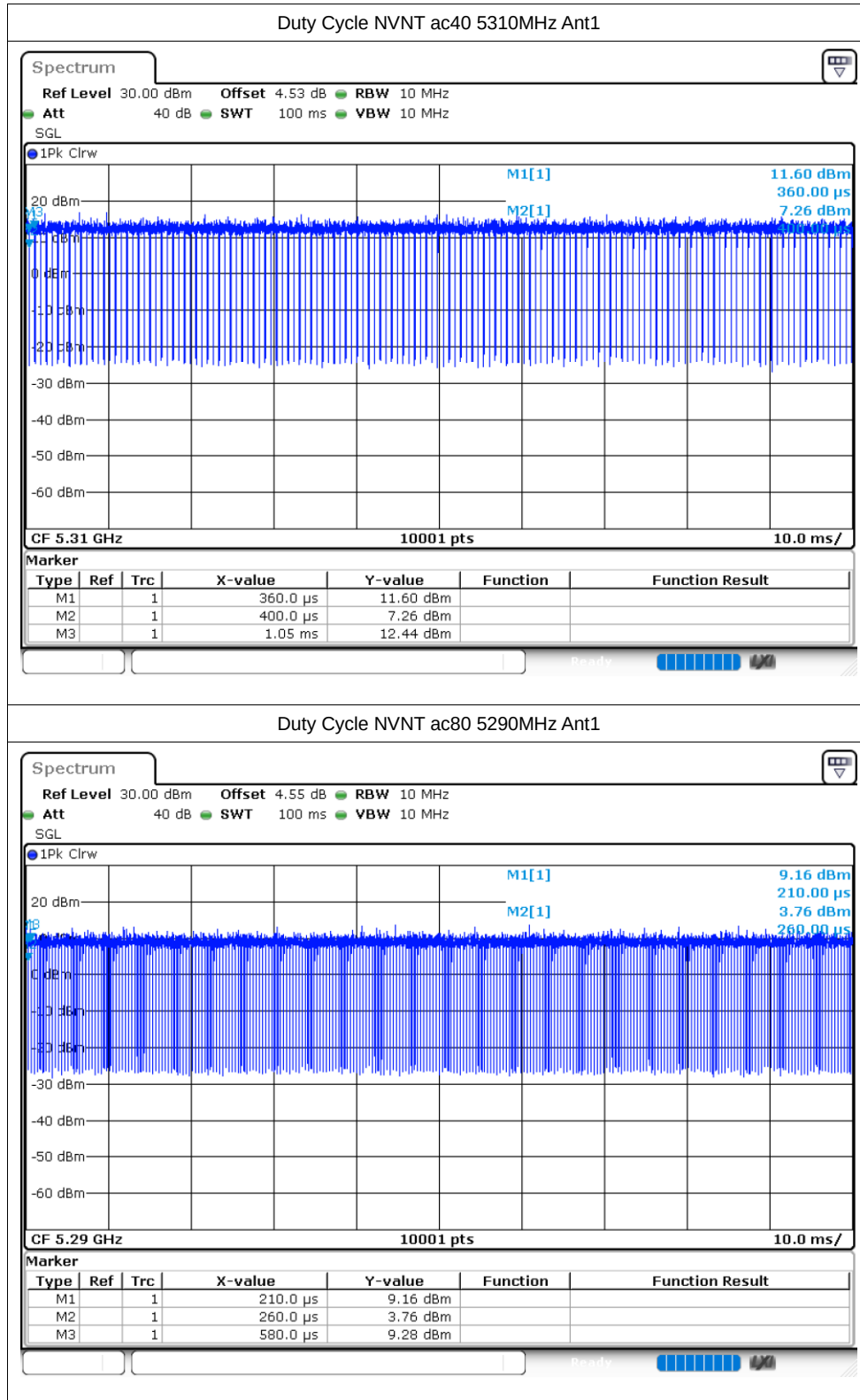












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant1	10.24	24	Pass
NVNT	a	5280	Ant1	10.14	24	Pass
NVNT	a	5320	Ant1	10.31	24	Pass
NVNT	n20	5260	Ant1	9.27	24	Pass
NVNT	n20	5280	Ant1	9.09	24	Pass
NVNT	n20	5320	Ant1	9.01	24	Pass
NVNT	n40	5270	Ant1	9.34	24	Pass
NVNT	n40	5310	Ant1	9.21	24	Pass
NVNT	ac20	5260	Ant1	9.08	24	Pass
NVNT	ac20	5280	Ant1	9.08	24	Pass
NVNT	ac20	5320	Ant1	9.17	24	Pass
NVNT	ac40	5270	Ant1	9.49	24	Pass
NVNT	ac40	5310	Ant1	9.32	24	Pass
NVNT	ac80	5290	Ant1	9.37	24	Pass

Note: The Duty Cycle factor has already been included.

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.812	0.5	Pass
NVNT	a	5280	Ant1	20.199	0.5	Pass
NVNT	a	5320	Ant1	19.44	0.5	Pass
NVNT	n20	5260	Ant1	19.974	0.5	Pass
NVNT	n20	5280	Ant1	20.004	0.5	Pass
NVNT	n20	5320	Ant1	20.373	0.5	Pass
NVNT	n40	5270	Ant1	40.83	0.5	Pass
NVNT	n40	5310	Ant1	40.656	0.5	Pass
NVNT	ac20	5260	Ant1	20.166	0.5	Pass
NVNT	ac20	5280	Ant1	20.349	0.5	Pass
NVNT	ac20	5320	Ant1	19.986	0.5	Pass
NVNT	ac40	5270	Ant1	40.614	0.5	Pass
NVNT	ac40	5310	Ant1	40.59	0.5	Pass
NVNT	ac80	5290	Ant1	81.12	0.5	Pass

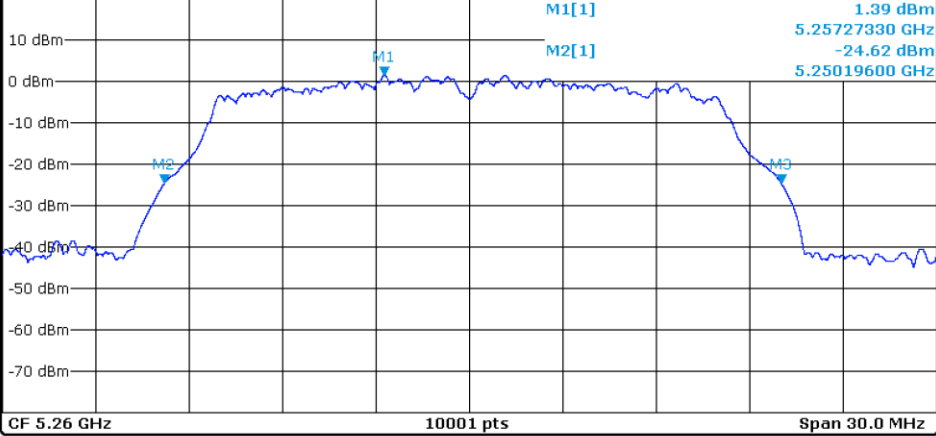
Test Graphs

-26dB Bandwidth NVNT a 5260MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.59 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

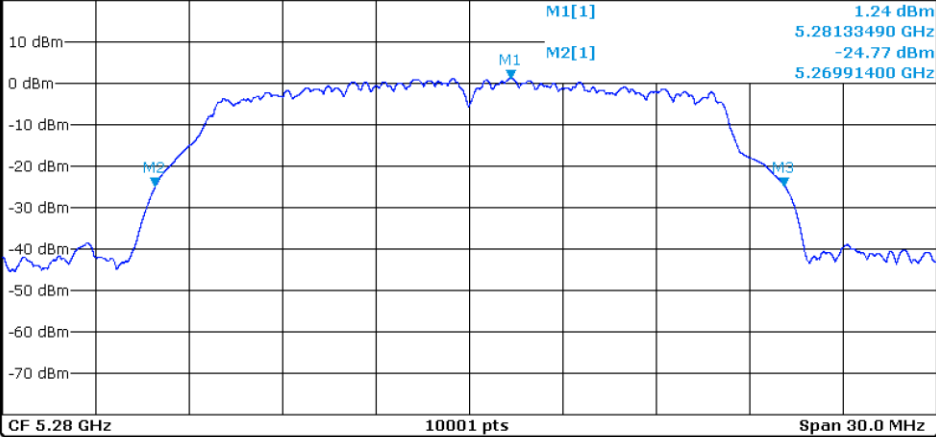
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2572733 GHz	1.39 dBm		
M2	1		5.250196 GHz	-24.62 dBm		
M3	1		5.270008 GHz	-24.61 dBm		

-26dB Bandwidth NVNT a 5280MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.56 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		5.2813349 GHz	1.24 dBm		
M2	1		5.269914 GHz	-24.77 dBm		
M3	1		5.290113 GHz	-24.77 dBm		