

5.2G WIFI

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	73.28	1.35	4
NVNT	a	5200	Ant1	72.71	1.38	4.17
NVNT	a	5240	Ant1	73.94	1.31	4
NVNT	n20	5180	Ant1	71.48	1.46	4.35
NVNT	n20	5200	Ant1	71.11	1.48	4.35
NVNT	n20	5240	Ant1	71.71	1.44	4.55
NVNT	n40	5190	Ant1	58.5	2.33	7.69
NVNT	n40	5230	Ant1	58.55	2.32	7.69
NVNT	ac20	5180	Ant1	67.9	1.68	5
NVNT	ac20	5200	Ant1	67.87	1.68	5
NVNT	ac20	5240	Ant1	62.8	2.02	5
NVNT	ac40	5190	Ant1	55.48	2.56	9.09
NVNT	ac40	5230	Ant1	49.27	3.07	9.09
NVNT	ac80	5210	Ant1	45.7	3.4	14.29

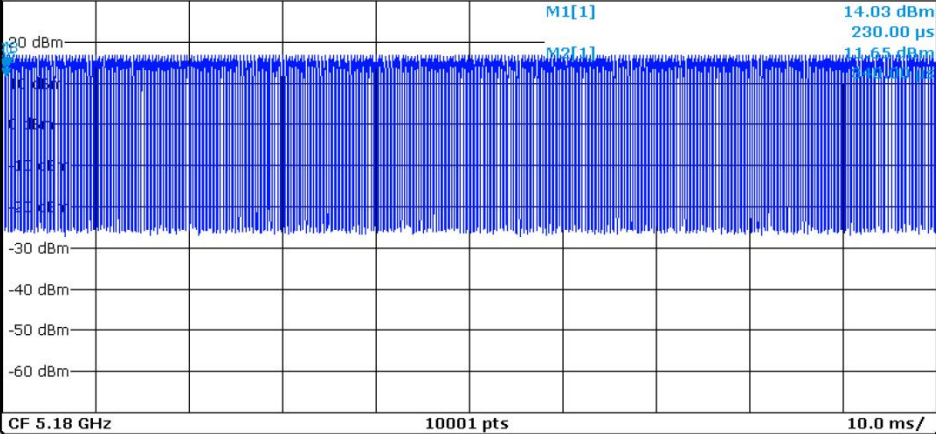
Test Graphs

Duty Cycle NVNT a 5180MHz Ant1

Spectrum

Ref Level 30.00 dBm Offset 3.96 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

1Pk Clrw



Marker

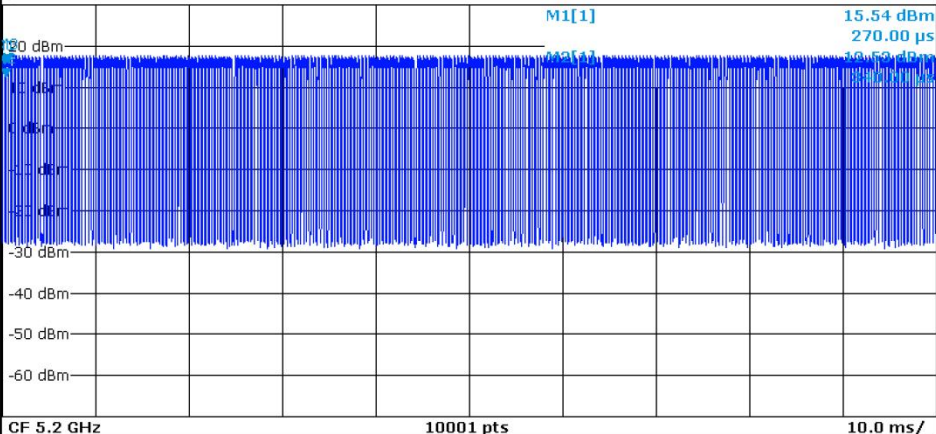
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		230.0 μ s	14.03 dBm		
M2	1		340.0 μ s	11.65 dBm		
M3	1		590.0 μ s	14.06 dBm		

Duty Cycle NVNT a 5200MHz Ant1

Spectrum

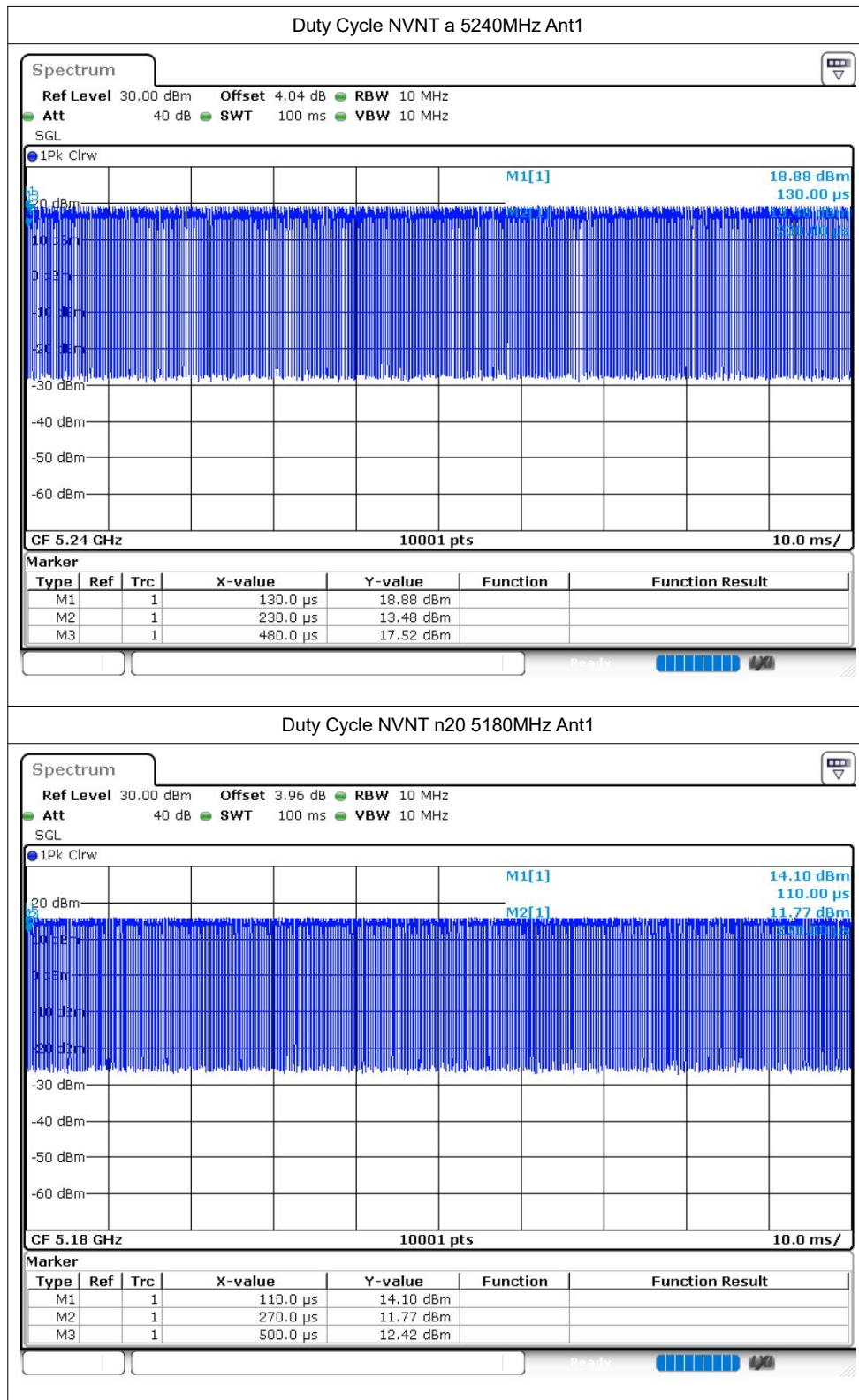
Ref Level 30.00 dBm Offset 4.02 dB RBW 10 MHz
 Att 40 dB SWT 100 ms VBW 10 MHz
 SGL

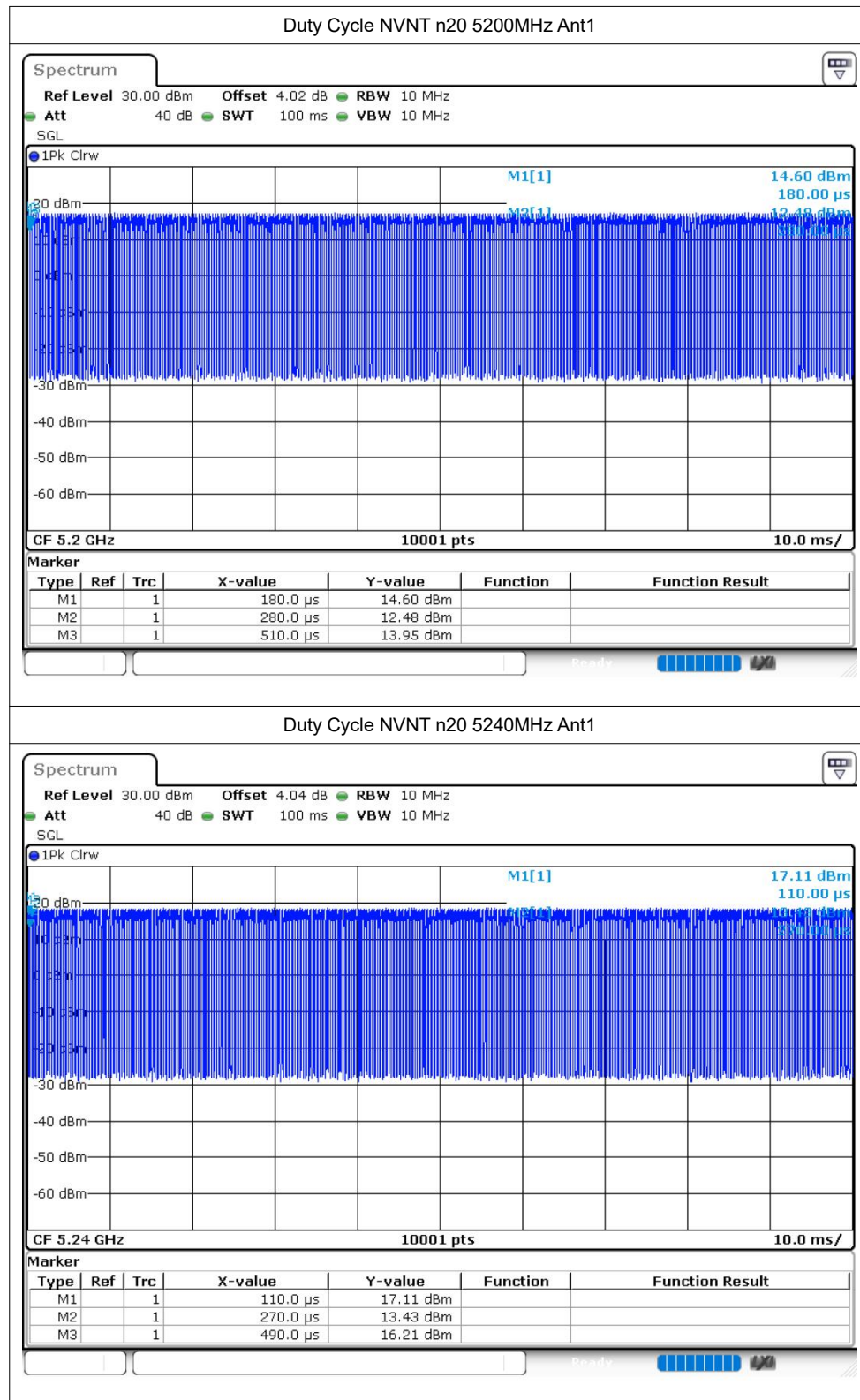
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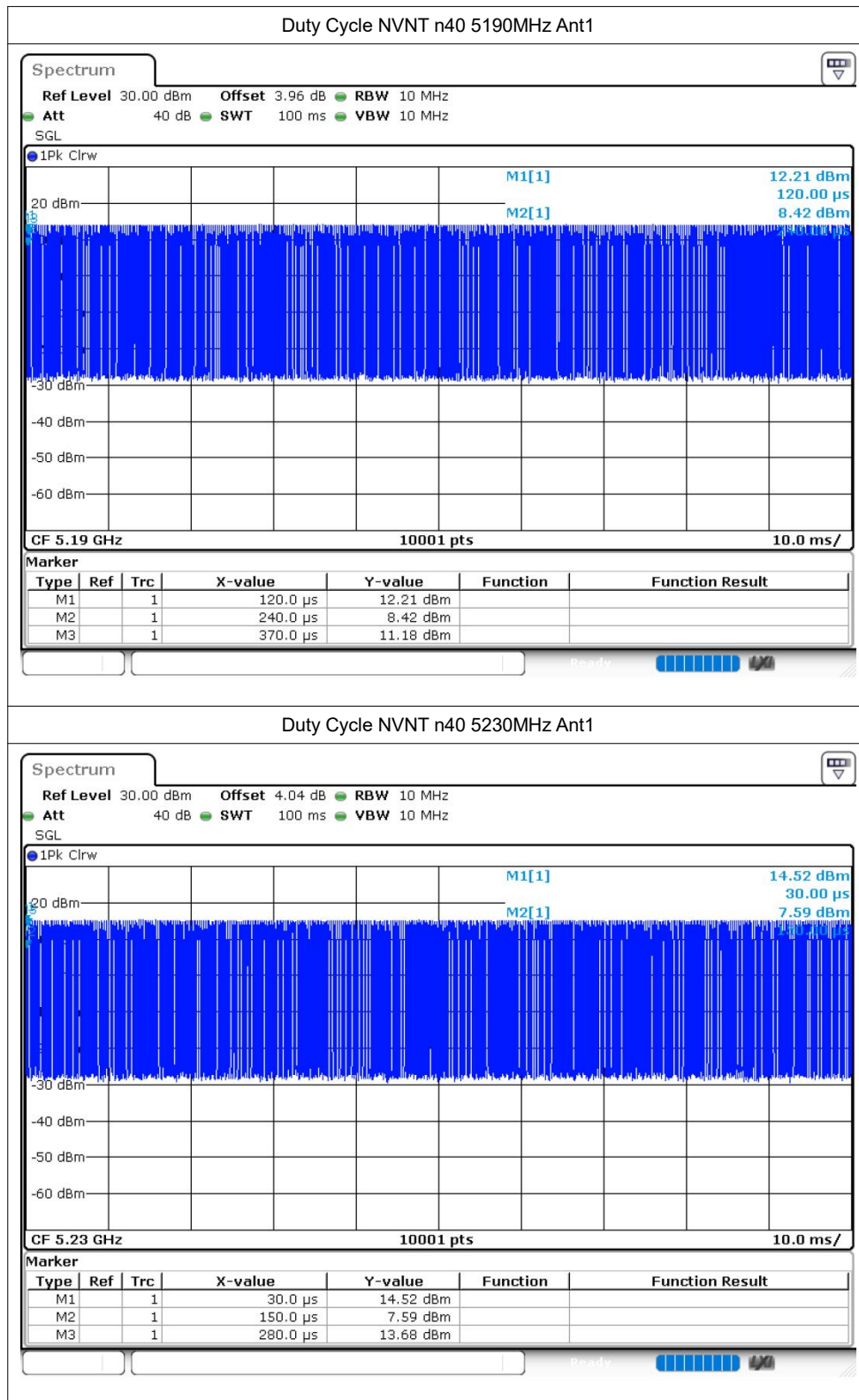


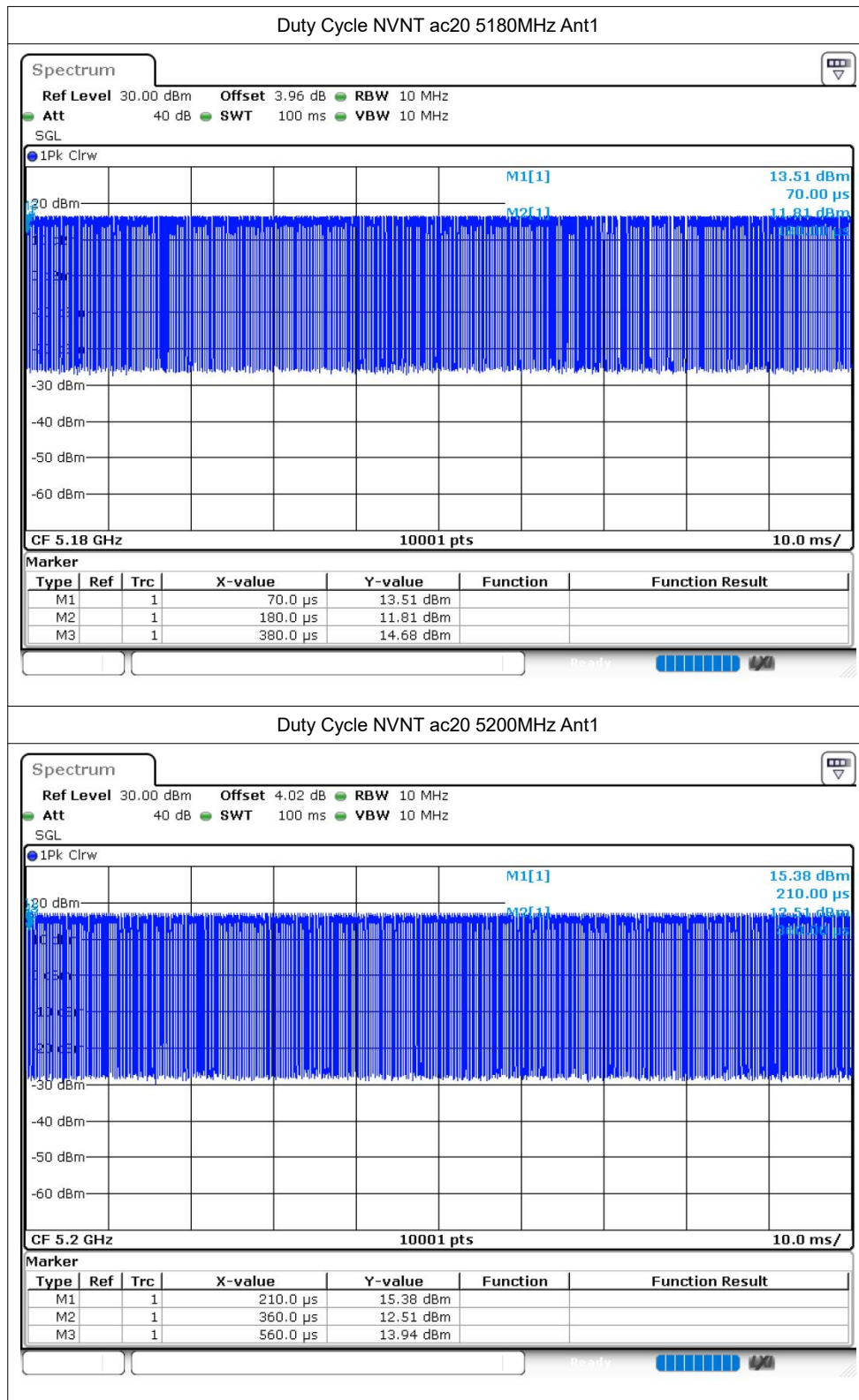
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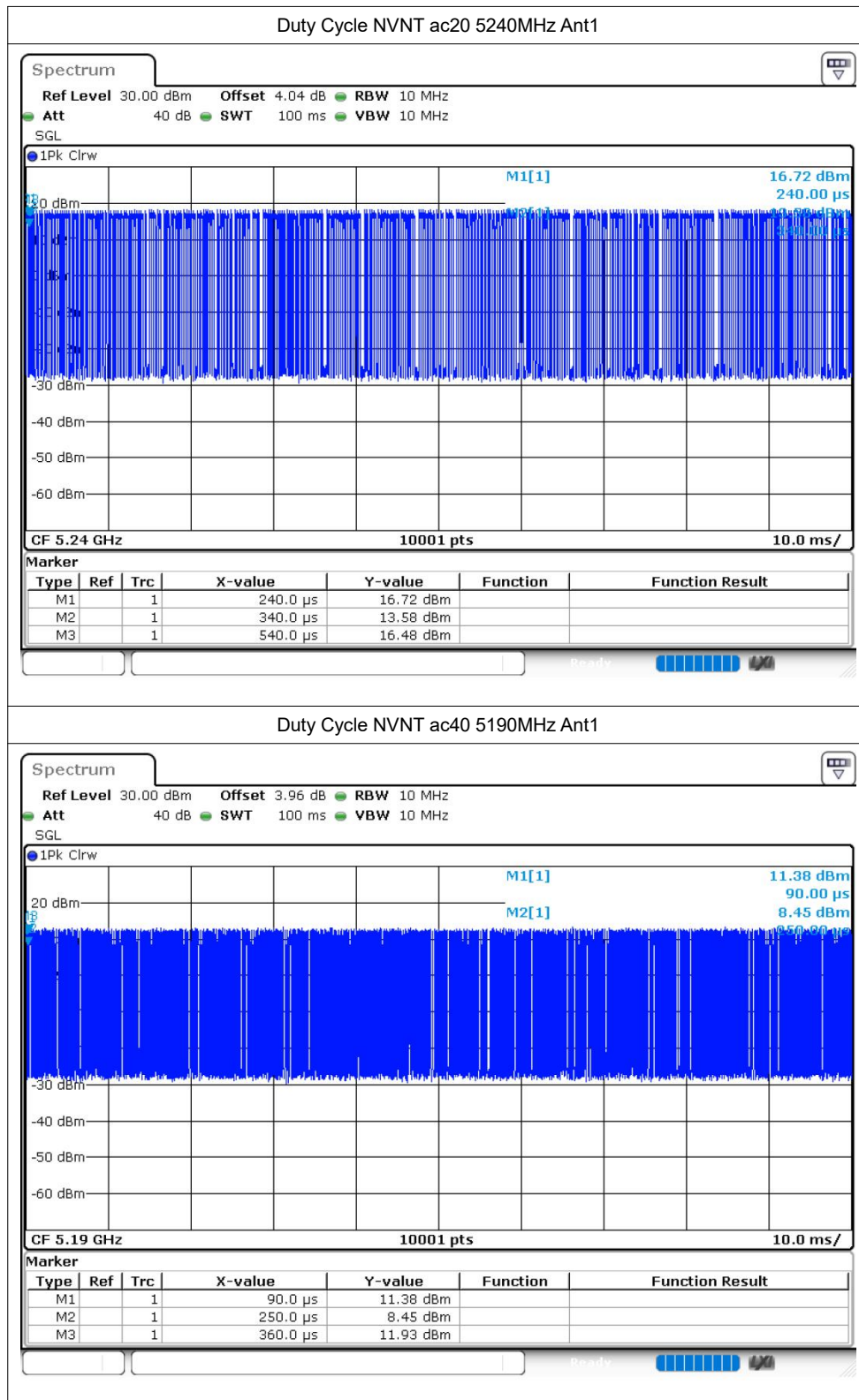
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		270.0 μ s	15.54 dBm		
M2	1		340.0 μ s	12.53 dBm		
M3	1		580.0 μ s	15.90 dBm		

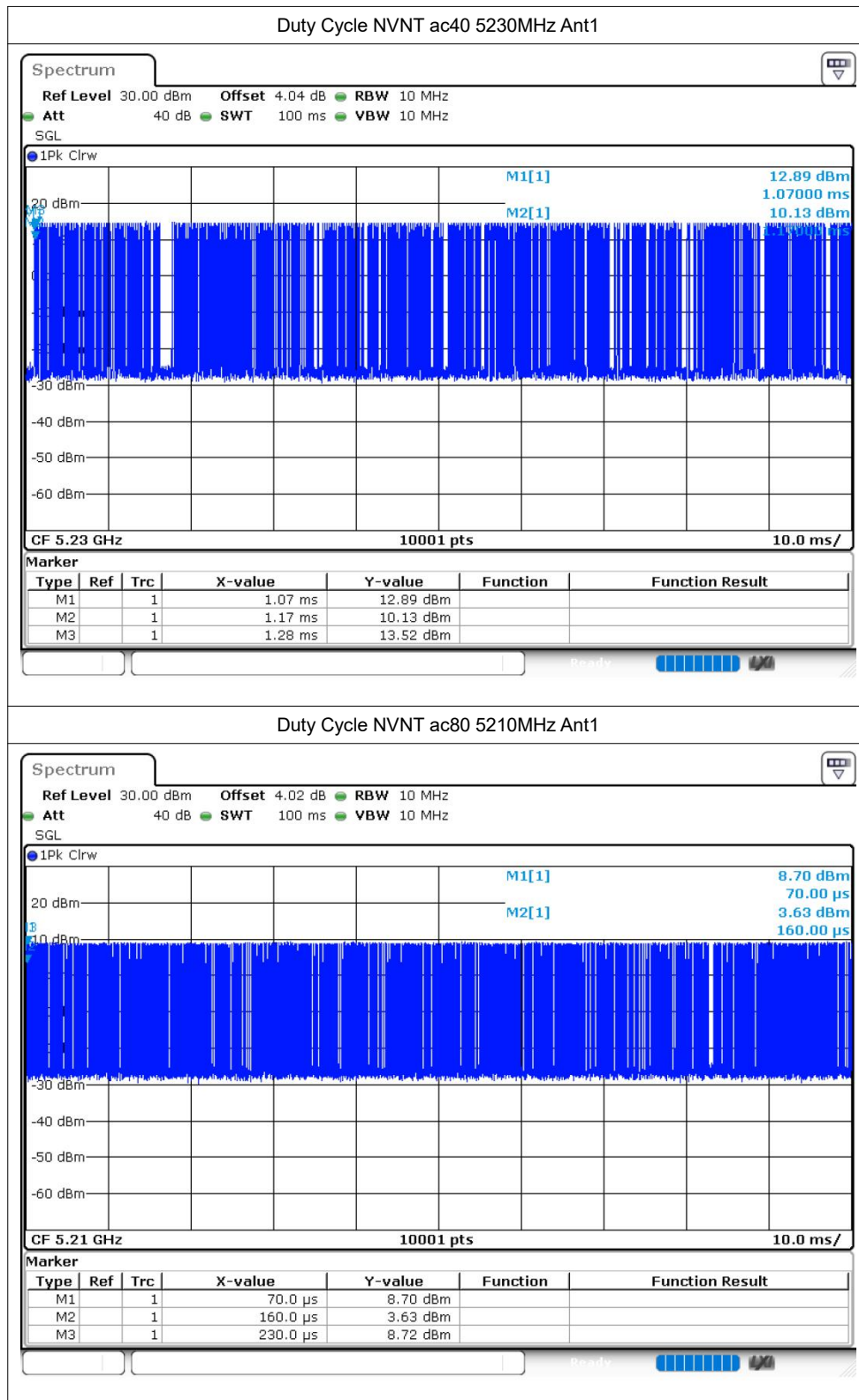












Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	11.9	24	Pass
NVNT	a	5200	Ant1	12.14	24	Pass
NVNT	a	5240	Ant1	11.93	24	Pass
NVNT	n20	5180	Ant1	11.76	24	Pass
NVNT	n20	5200	Ant1	11.85	24	Pass
NVNT	n20	5240	Ant1	11.94	24	Pass
NVNT	n40	5190	Ant1	12.3	24	Pass
NVNT	n40	5230	Ant1	12.38	24	Pass
NVNT	ac20	5180	Ant1	11.95	24	Pass
NVNT	ac20	5200	Ant1	12.05	24	Pass
NVNT	ac20	5240	Ant1	11.89	24	Pass
NVNT	ac40	5190	Ant1	11.96	24	Pass
NVNT	ac40	5230	Ant1	12.37	24	Pass
NVNT	ac80	5210	Ant1	11.01	24	Pass

-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.53	0.5	Pass
NVNT	a	5200	Ant1	19.608	0.5	Pass
NVNT	a	5240	Ant1	20.586	0.5	Pass
NVNT	n20	5180	Ant1	21.771	0.5	Pass
NVNT	n20	5200	Ant1	21.087	0.5	Pass
NVNT	n20	5240	Ant1	20.718	0.5	Pass
NVNT	n40	5190	Ant1	41.67	0.5	Pass
NVNT	n40	5230	Ant1	41.28	0.5	Pass
NVNT	ac20	5180	Ant1	20.589	0.5	Pass
NVNT	ac20	5200	Ant1	20.31	0.5	Pass
NVNT	ac20	5240	Ant1	20.967	0.5	Pass
NVNT	ac40	5190	Ant1	41.166	0.5	Pass
NVNT	ac40	5230	Ant1	42.558	0.5	Pass
NVNT	ac80	5210	Ant1	82.26	0.5	Pass

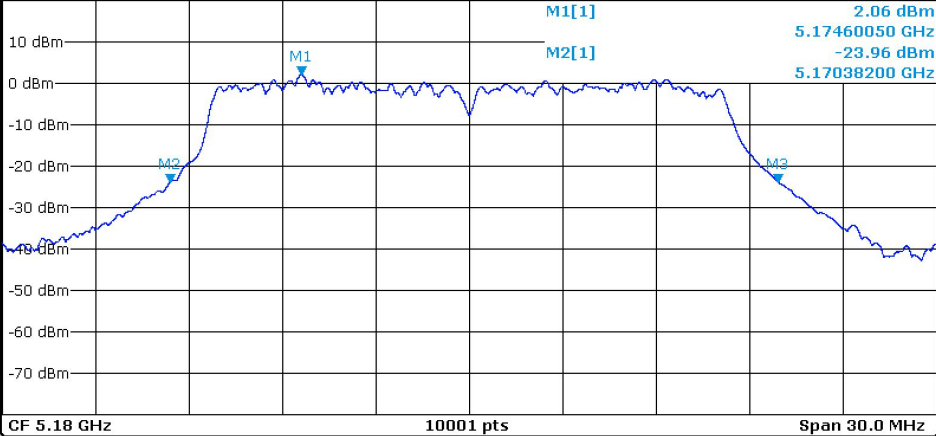
Test Graphs

-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

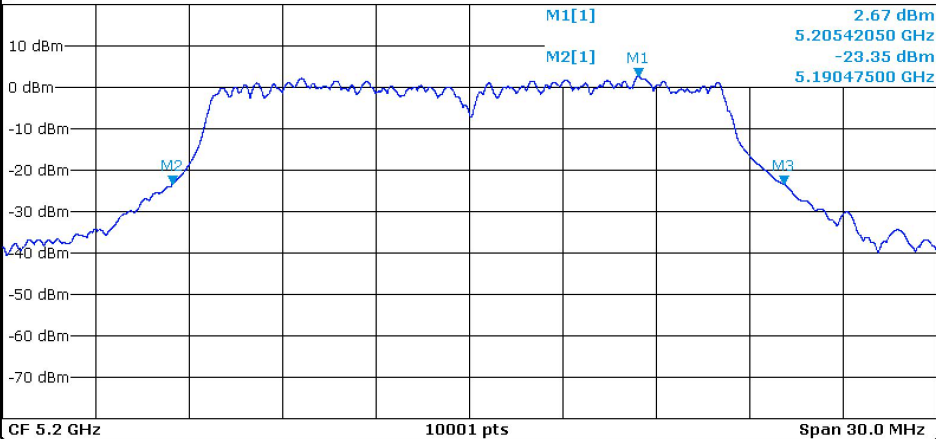


-26dB Bandwidth NVNT a 5200MHz Ant1

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

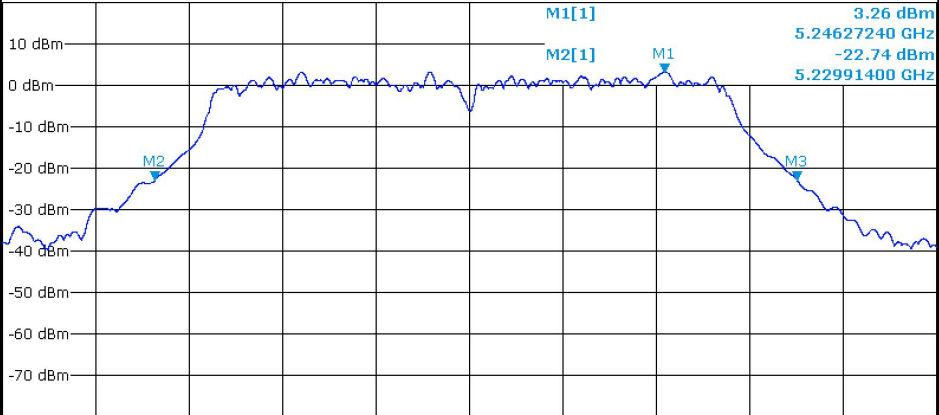


-26dB Bandwidth NVNT a 5240MHz Ant1

Spectrum

Ref Level 20.00 dBm Offset 4.04 dB RBW 300 kHz
Att 35 dB SWT 25.4 μ s VBW 1 MHz Mode Auto FFT
SGL Count 100/100

1Pk Max



CF 5.24 GHz 10001 pts Span 30.0 MHz

Marker

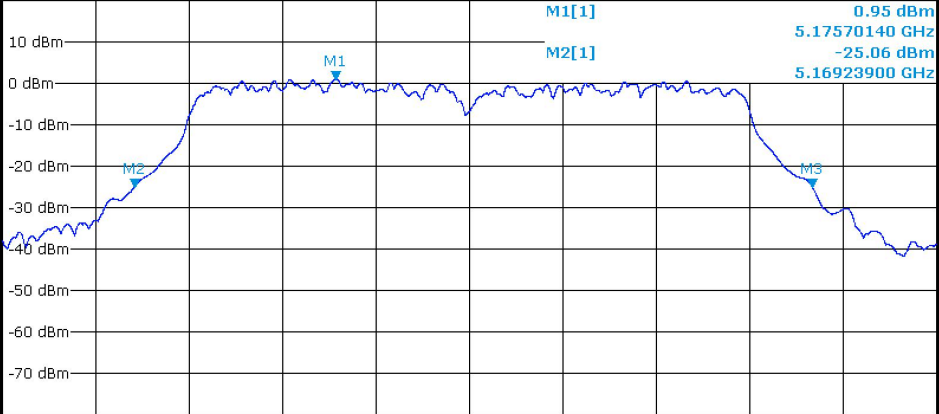
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.2462724 GHz	3.26 dBm		
M2		1	5.229914 GHz	-22.74 dBm		
M3		1	5.2505 GHz	-22.73 dBm		

-26dB Bandwidth NVNT n20 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



CF 5.18 GHz 10001 pts Span 30.0 MHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.1757014 GHz	0.95 dBm		
M2		1	5.169239 GHz	-25.06 dBm		
M3		1	5.19101 GHz	-25.04 dBm		

