

## 11.7. APPENDIX G: DUTY CYCLE

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
b	8.39	8.42	0.9964	99.64	0.02	N/A	0.01
g	1.39	1.44	0.9653	96.53	0.15	0.72	1
n20	1.3	1.34	0.9701	97.01	0.13	0.77	1
n40	0.65	0.69	0.9420	94.20	0.26	1.54	2

**Note:**

Duty Cycle Correction Factor =  $10 \log (1/x)$ .

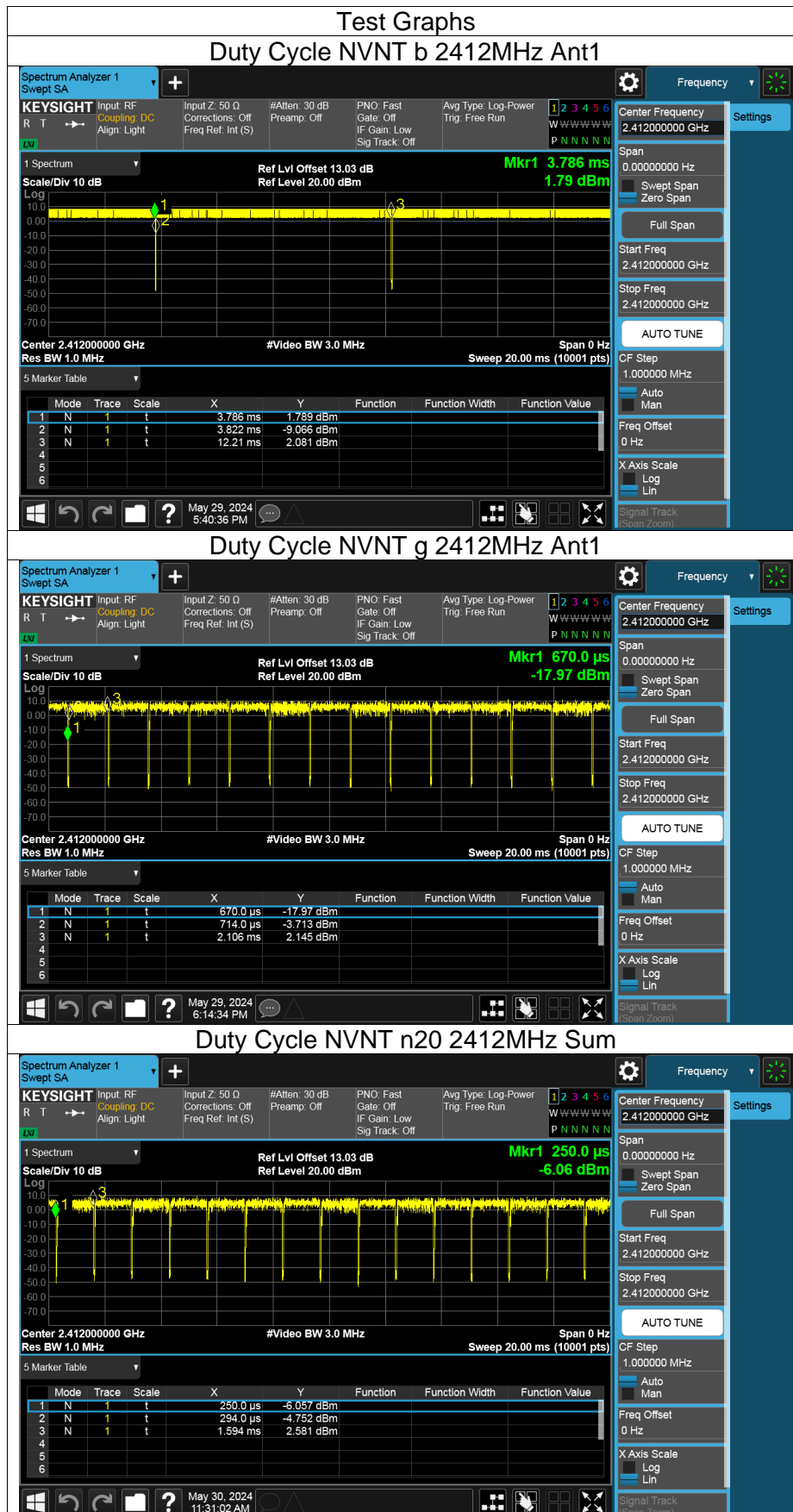
Where: x is Duty Cycle (Linear)

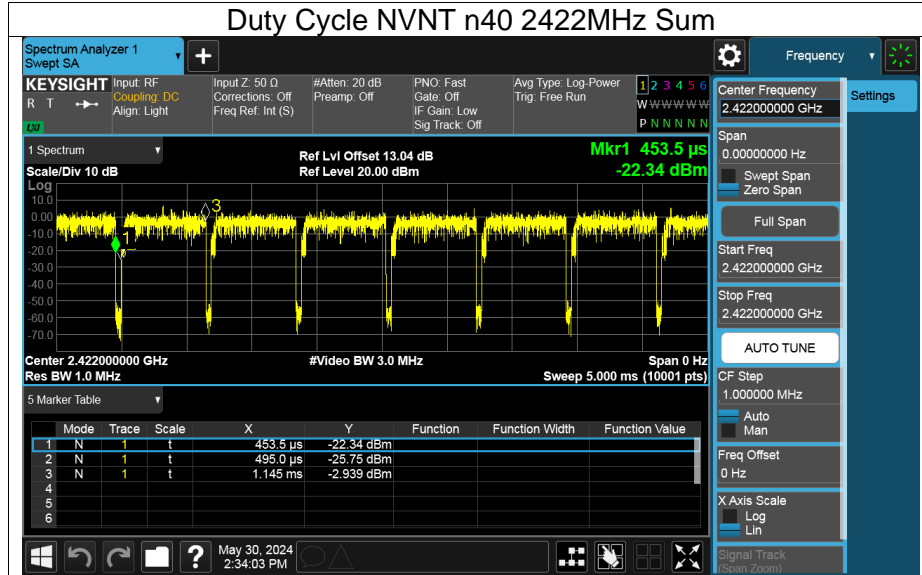
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

If the EUT is configured to transmit with duty cycle  $\geq 98\%$ , set VBW  $\leq$  RBW/100 (i.e., 10 kHz) but not less than 10 Hz.







**END OF REPORT**