





## 11.6. APPENDIX F: DUTY CYCLE

### 11.6.1. Test Result

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)
11A	1.4	1.46	0.959	95.89	0.18	0.71	1
11AX20MIMO	0.35	0.41	0.854	85.37	0.69	2.86	3
11AX40MIMO	0.23	0.28	0.821	82.14	0.85	4.35	5
11AX80MIMO	0.33	0.39	0.846	84.62	0.73	3.03	4
11AX160MIMO	0.33	0.39	0.846	84.62	0.73	3.03	4

Note:

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

Where: x is Duty Cycle (Linear)

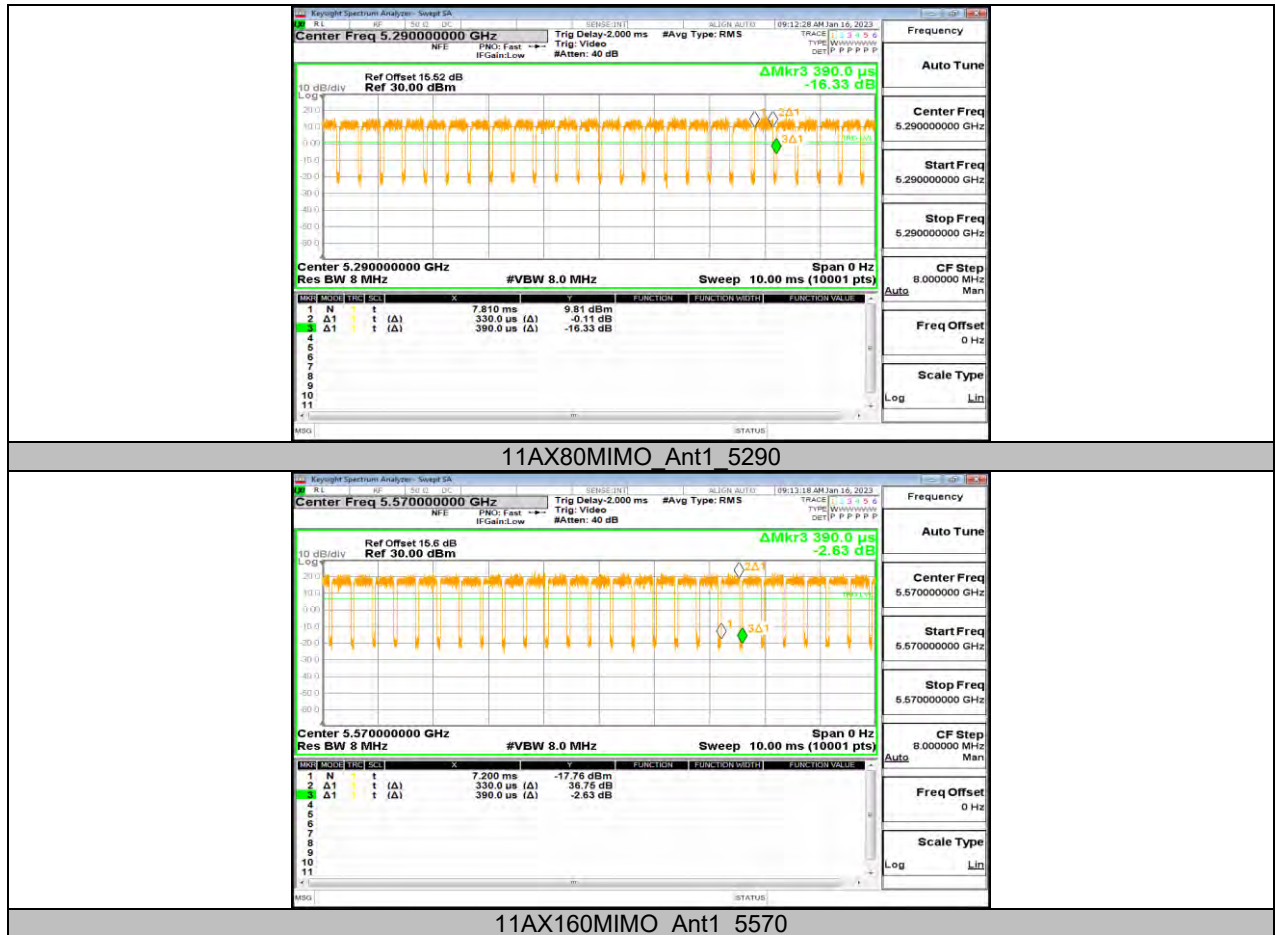
Where: T is On Time

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



## 11.6.2. Test Graphs







**11.7. APPENDIX G: FREQUENCY STABILITY****11.7.1. Test Result**

Frequency Error vs. Voltage									
802.11a 20: 5280MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5279.9958	-0.80	5280.0209	3.96	5279.9983	-0.32	5279.9917	-1.58
TN	VN	5280.0022	0.42	5279.9947	-1.00	5279.9757	-4.61	5279.9968	-0.61
TN	VH	5279.9893	-2.03	5279.9915	-1.60	5280.0012	0.22	5279.9806	-3.68
Frequency Error vs. Temperature									
802.11a 20: 5280MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5280.0191	3.62	5279.9756	-4.63	5280.0143	2.72	5279.9979	-0.39
30	VN	5280.0026	0.49	5280.0168	3.17	5279.9996	-0.07	5279.9919	-1.54
20	VN	5280.0114	2.16	5279.9770	-4.35	5279.9953	-0.89	5279.9946	-1.02
10	VN	5279.9819	-3.42	5280.0018	0.35	5280.0009	0.17	5280.0089	1.68
0	VN	5279.9798	-3.82	5279.9819	-3.42	5280.0145	2.76	5279.9989	-0.21

**Note:**

1. All antennas and test modes have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5.

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**END OF REPORT**