



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	1.39	1.45	0.9586	95.86	0.18	0.72	1
11AX20MIMO	0.35	0.40	0.8750	87.50	0.58	2.86	3
11AX40MIMO	0.22	0.28	0.7857	78.57	1.05	4.55	5
11AX80MIMO	0.34	0.39	0.8718	87.18	0.60	2.94	3
11AX160MIMO	0.33	0.39	0.8462	84.62	0.73	3.03	4

Note:

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

Where: x is Duty Cycle (Linear)

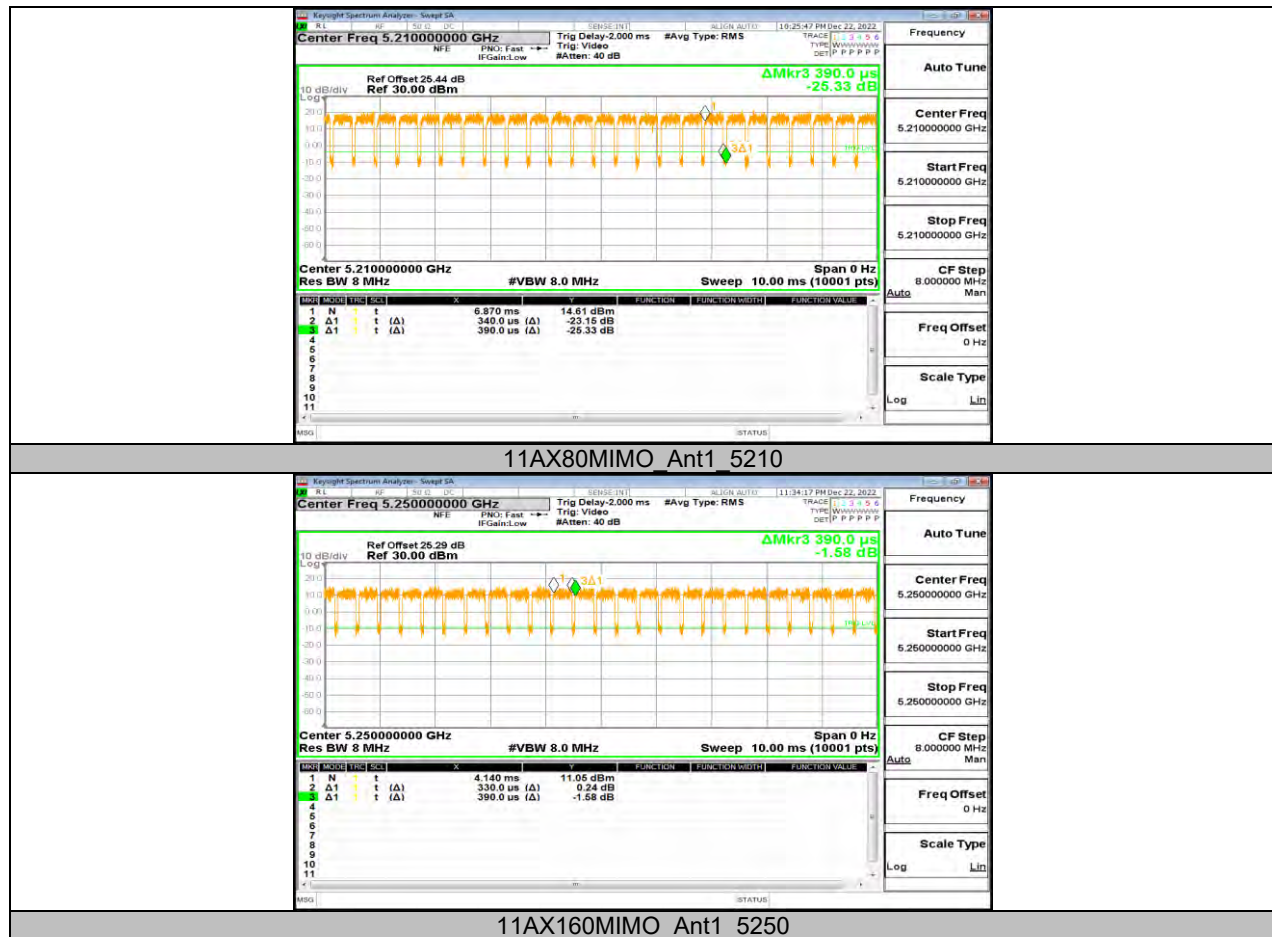
Where: T is On Time

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: 5200MHz									
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)
T _N	V _L	5199.9775	-4.33	5200.0193	3.72	5199.9832	-3.23	5200.0029	0.55
T _N	V _N	5200.0131	2.53	5199.9796	-3.92	5200.0225	4.32	5200.0216	4.15
T _N	V _H	5199.9979	-0.41	5199.9955	-0.86	5200.0013	0.25	5200.0223	4.29
Frequency Error vs. Temperature									
802.11a 20: 5200MHz									
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	V _N	5199.9884	-2.23	5199.9860	-2.69	5199.9778	-4.26	5199.9823	-3.41
30	V _N	5200.0009	0.17	5200.0132	2.54	5199.9894	-2.03	5200.0035	0.68
20	V _N	5200.0110	2.11	5200.0219	4.20	5200.0225	4.34	5200.0141	2.71
10	V _N	5200.0246	4.74	5199.9990	-0.20	5200.0070	1.35	5199.9857	-2.75
0	V _N	5200.0114	2.19	5199.9898	-1.97	5200.0040	0.77	5200.0174	3.35



Frequency Error vs. Voltage									
802.11a 20: 5825 MHz									
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)
T _N	V _L	5825.0055	0.94	5825.0243	4.17	5825.0226	3.89	5825.0093	1.60
T _N	V _N	5824.9817	-3.14	5825.0126	2.17	5825.0107	1.84	5824.9794	-3.54
T _N	V _H	5825.0186	3.19	5825.0217	3.72	5825.0058	0.99	5825.0187	3.20
Frequency Error vs. Temperature									
802.11a 20: 5825 MHz									
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	V _N	5824.9963	-0.64	5825.0107	1.83	5824.9971	-0.50	5824.9928	-1.24
30	V _N	5825.0017	0.29	5825.0222	3.82	5824.9851	-2.56	5824.9940	-1.03
20	V _N	5825.0166	2.85	5824.9760	-4.12	5825.0091	1.57	5824.9954	-0.79
10	V _N	5824.9773	-3.89	5825.0140	2.41	5824.9862	-2.36	5825.0127	2.18
0	V _N	5824.9854	-2.50	5825.0217	3.72	5824.9839	-2.76	5825.0055	0.95

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.

END OF REPORT