

## 11.6. APPENDIX F: FREQUENCY STABILITY

### 11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a: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)
TN	VL	5199.9804	-3.78	5199.9789	-4.05	5199.9977	-0.44	5199.9772	-4.38
TN	VN	5200.0215	4.14	5200.0109	2.10	5199.9983	-0.32	5199.9777	-4.29
TN	VH	5200.0031	0.60	5199.9909	-1.75	5199.9945	-1.06	5200.0140	2.70
Frequency Error vs. Temperature									
802.11a: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)
70	VN	5199.9768	-4.46	5200.0224	4.30	5199.9755	-4.71	5199.9948	-1.00
60	VN	5199.9841	-3.06	5199.9842	-3.04	5200.0139	2.67	5200.0173	3.33
50	VN	5200.0104	2.01	5199.9952	-0.93	5199.9995	-0.09	5199.9816	-3.53
40	VN	5199.9968	-0.62	5200.0182	3.49	5199.9910	-1.74	5200.0227	4.37
30	VN	5199.9933	-1.30	5199.9892	-2.07	5199.9833	-3.21	5200.0113	2.18
20	VN	5200.0237	4.55	5200.0150	2.89	5199.9837	-3.13	5199.9952	-0.93
10	VN	5200.0099	1.90	5200.0075	1.45	5200.0230	4.43	5200.0052	1.00
0	VN	5200.0165	3.17	5200.0149	2.87	5199.9757	-4.67	5199.9994	-0.12

Note:

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

**11.7. APPENDIX G: DUTY CYCLE****11.7.1. 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	1.44	0.9653	96.53	0.15	0.72	1
11N20MIMO	1.3	1.35	0.9701	97.01	0.13	0.77	1
11N40MIMO	0.64	0.69	0.9420	94.20	0.26	1.54	2
11AC80MIMO	0.33	0.37	0.7826	78.26	1.06	5.56	6

Note:

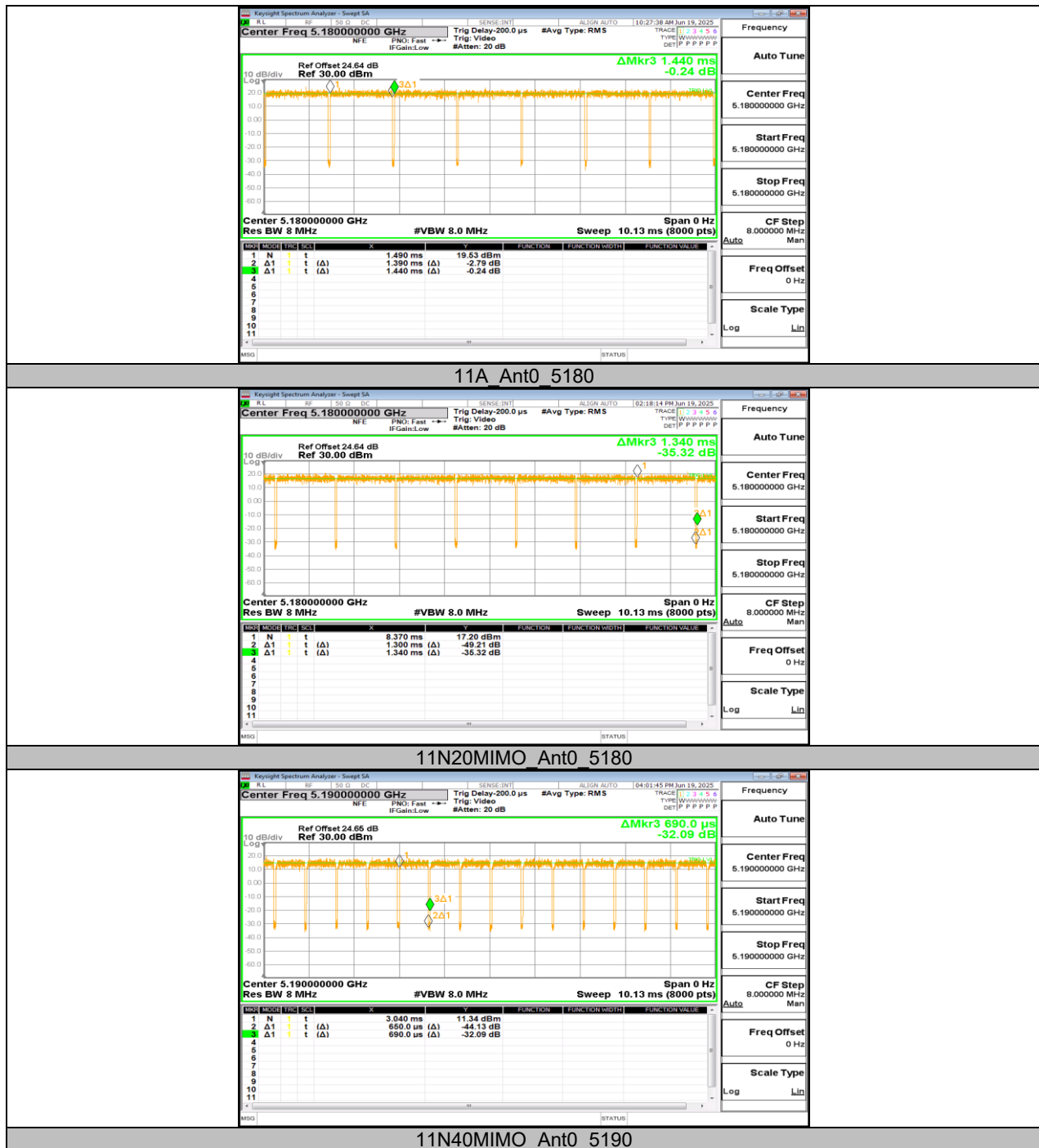
Duty Cycle Correction Factor= $10\log(1/x)$ .

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.

## 11.7.2. Test Graphs

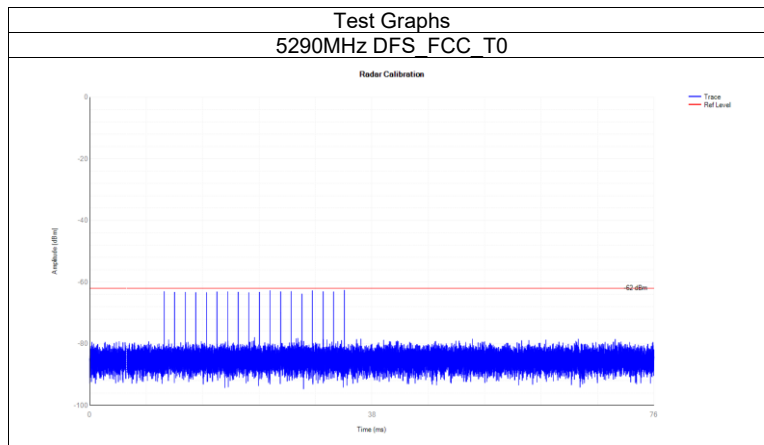




## 11.8. APPENDIX H: DFS

### 11.8.1. Calibration

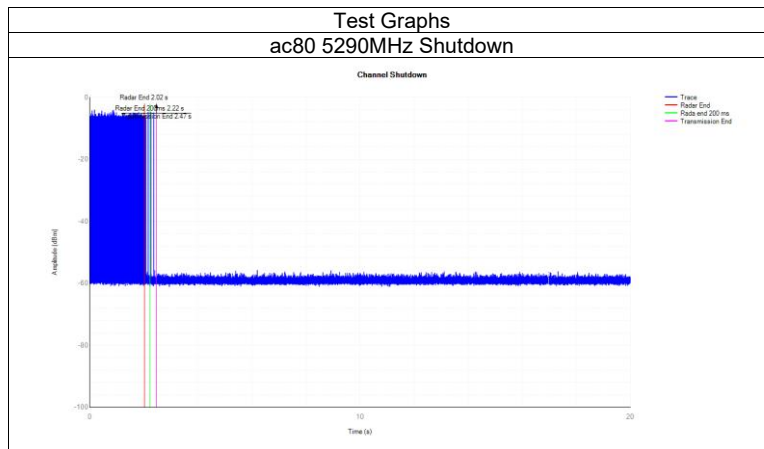
Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5290	DFS_FCC_T0	See test Graph	Pass





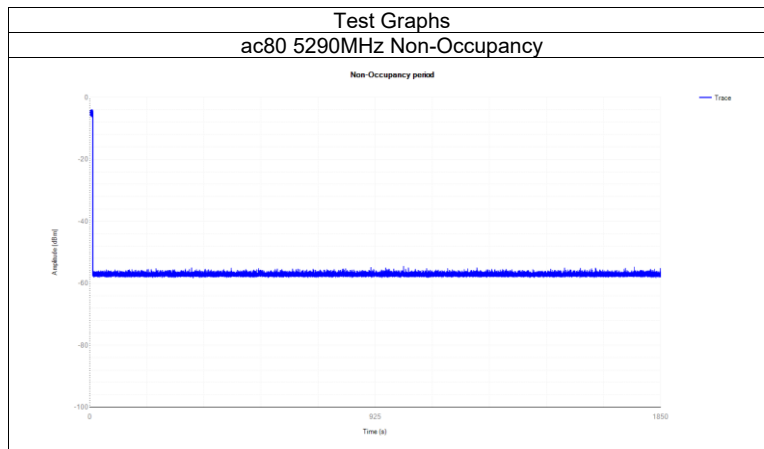
**11.8.2. Shutdown Time**

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ac80	5290	0.444	10	0.018	0.26	0.004	0.06	Pass



### 11.8.3. Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
ac80	5290	See test Graph	Pass



**END OF REPORT**