

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	5200.0219	4.21	5200.0203	3.91	5199.9760	-4.62	5199.9952	-0.92
TN	VN	5200.0140	2.69	5200.0038	0.72	5199.9769	-4.45	5199.9782	-4.19
TN	VH	5200.0005	0.11	5200.0008	0.16	5200.0064	1.24	5200.0122	2.34
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	5200.0219	4.20	5200.0207	3.98	5199.9860	-2.69	5200.0068	1.30
60	VN	5200.0011	0.22	5199.9993	-0.13	5200.0043	0.83	5199.9972	-0.53
50	VN	5199.9873	-2.44	5200.0188	3.61	5199.9984	-0.31	5199.9814	-3.58
40	VN	5199.9941	-1.13	5199.9972	-0.53	5199.9980	-0.39	5200.0035	0.67
30	VN	5200.0103	1.97	5200.0099	1.91	5200.0089	1.71	5200.0240	4.61
20	VN	5199.9956	-0.84	5200.0164	3.15	5199.9808	-3.69	5200.0126	2.42
10	VN	5200.0216	4.15	5199.9896	-2.00	5199.9811	-3.63	5199.9898	-1.96
0	VN	5200.0217	4.17	5200.0009	0.17	5200.0139	2.67	5200.0215	4.13

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 10 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	1.27	1.77	0.7175	71.75	1.44	0.79	1
11N20MIMO	1.27	1.77	0.7175	71.75	1.44	0.79	1
11N40MIMO	0.63	1.13	0.5575	55.75	2.54	1.59	2
11AC80MIMO	0.32	0.82	0.3902	39.02	4.09	3.13	4

Note:

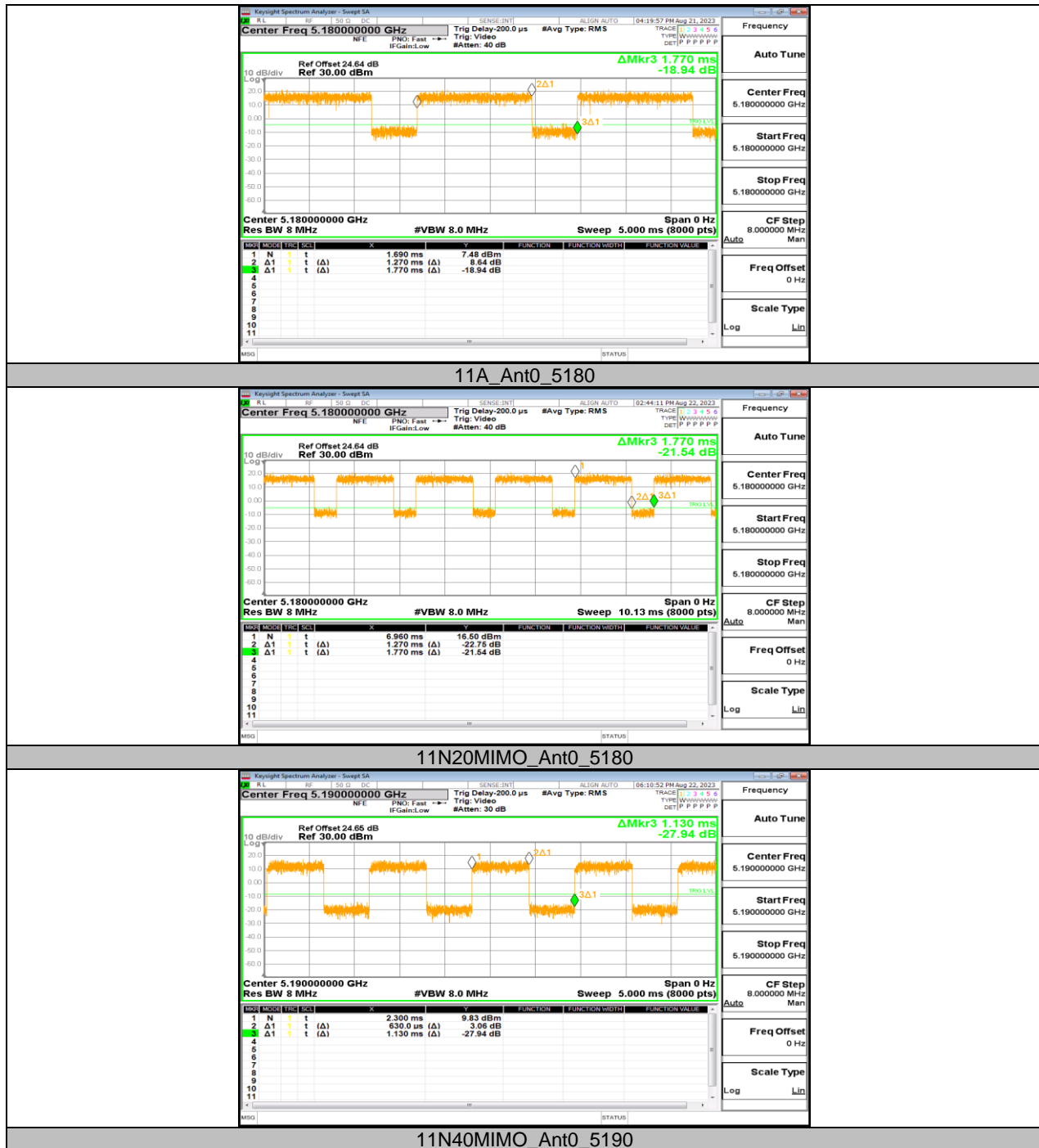
Duty Cycle Correction Factor= $10\log(1/x)$.

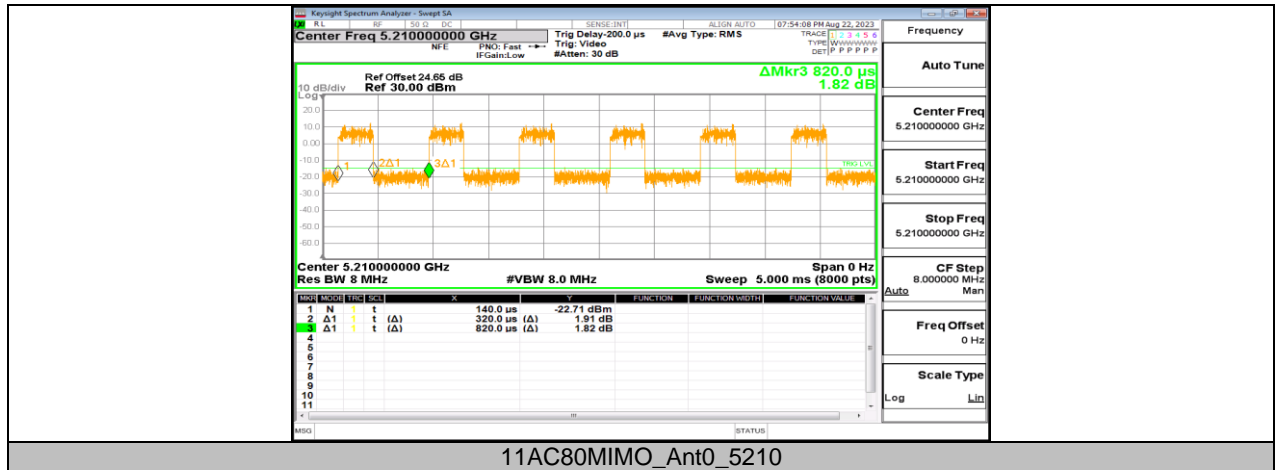
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

11.7.2. Test Graphs



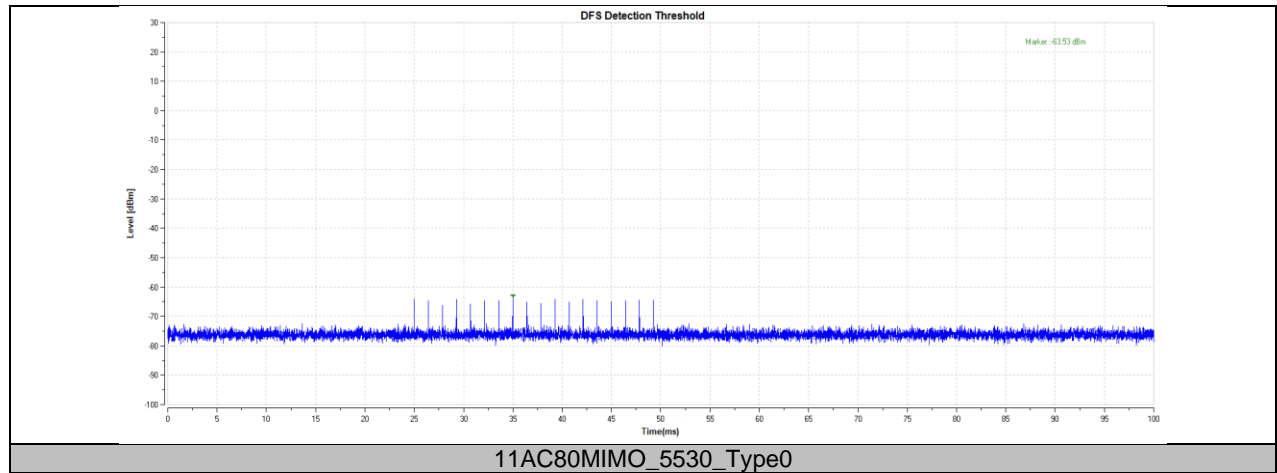


11.8. APPENDIX H: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Verdict
11AC80MIMO	5530	Type0	-63.53	PASS

11.8.2. Test Graphs



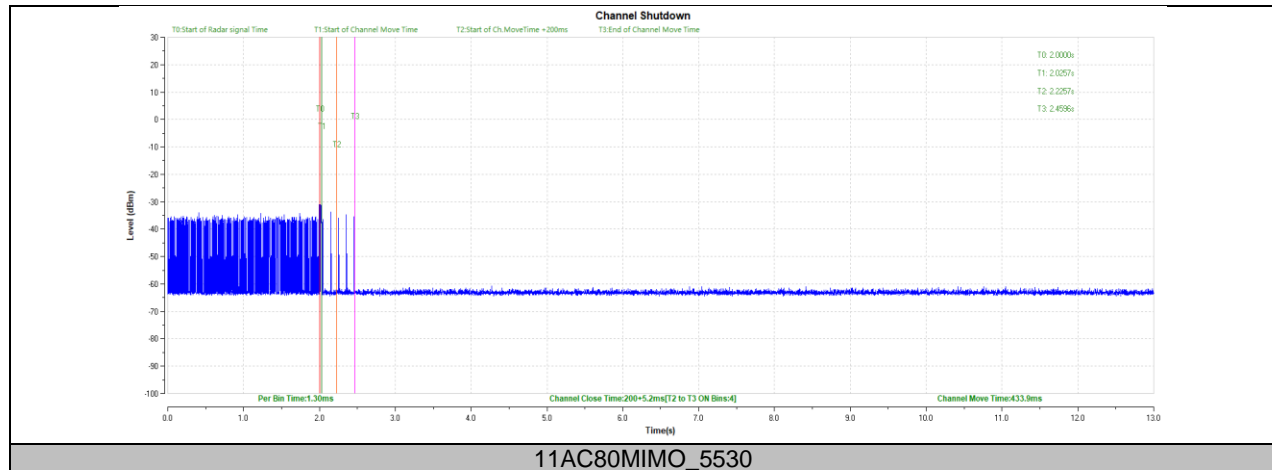
Note: All modes have been tested, only the worst data recorded in the report.

11.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+5.2	200+60	433.9	10000	PASS

11.9.2. Test Graphs



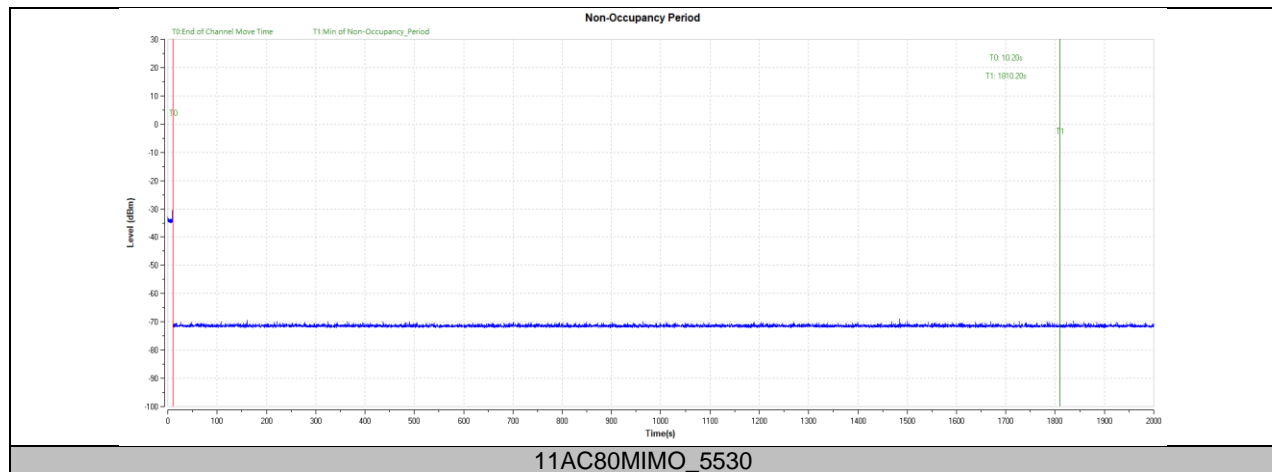
Note: All modes have been tested, only the worst data recorded in the report.

11.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80MIMO	5530	see test graph	≥1800	PASS

11.10.1. Test Graphs



Note: All modes have been tested, only the worst data recorded in the report.

END OF REPORT