11AC80MIMO_Ant0_5775

11AC80MIMO_Ant1_5775

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM NO: 10-SL-F0035

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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:
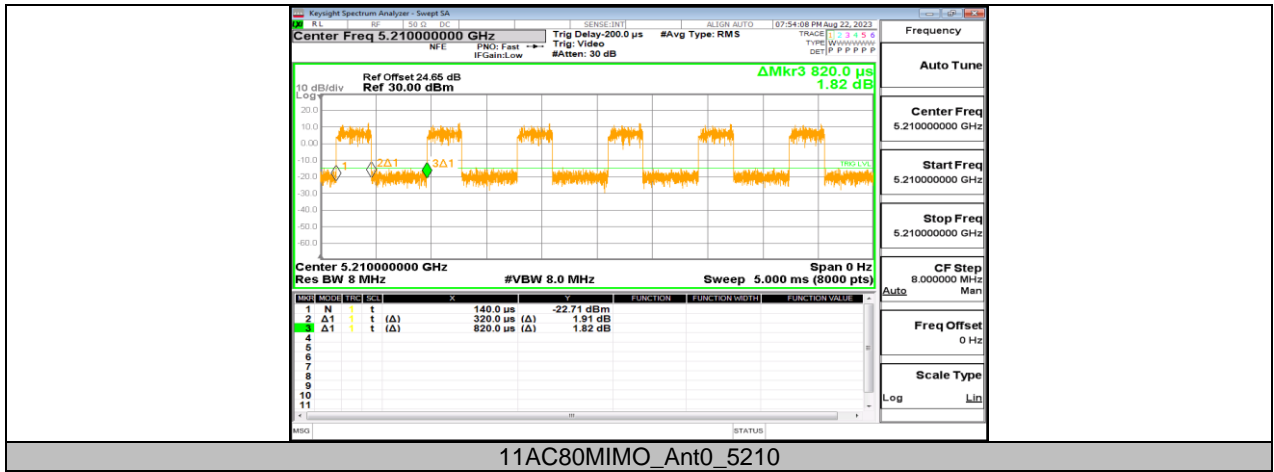Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

11A_Ant0_5180

11N20MIMO_Ant0_5180

11N40MIMO_Ant0_5190

11AC80MIMO_Ant0_5210

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11.8. APPENDIX H: DFS DETECTION THRESHOLDS
11.8.1. Test Result

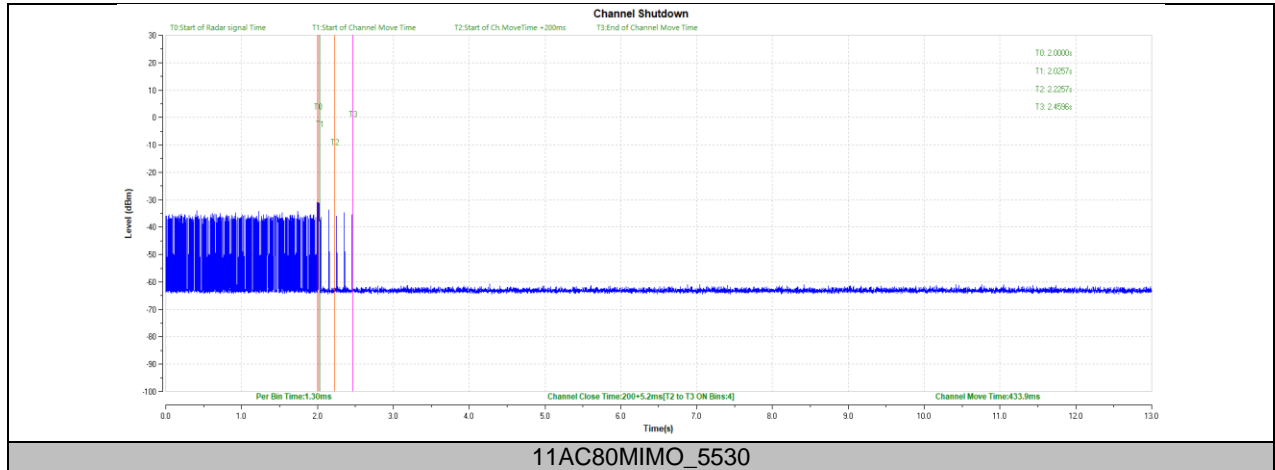| Test Mode	Channel	Radar Type	Result	Verdict
11AC80MIMO	5530	Type0	-63.53	PASS

11.8.2. Test Graphs

11AC80MIMO_5530_Type0
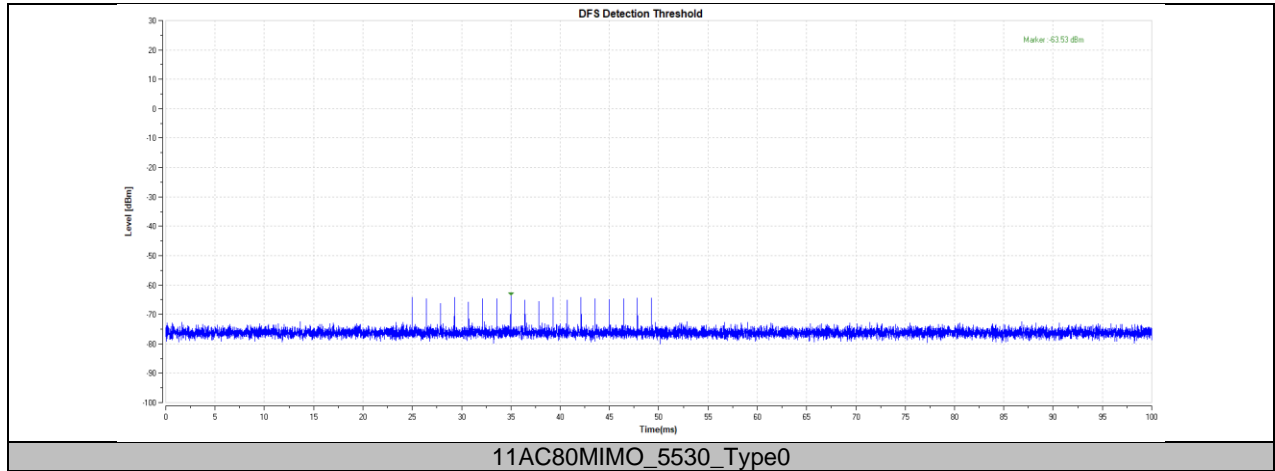
Note: All modes have been tested, only the worst data recorded in the report.

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
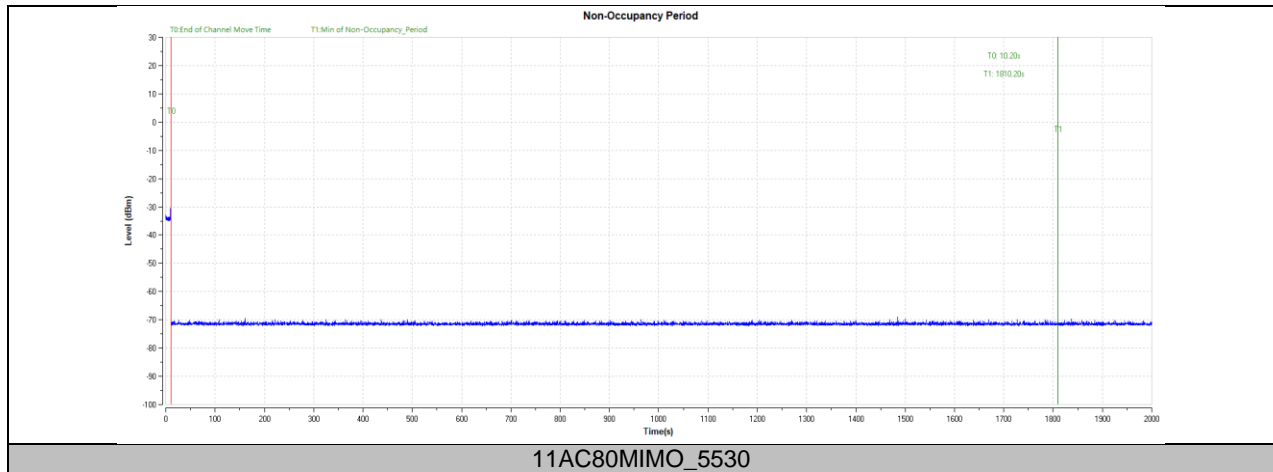

11AC80MIMO_5530

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

11AC80MIMO_5530

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

END OF REPORT