



## 12.6. Appendix D: Duty Cycle

### 12.6.1. 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	1.61	0.8634	86.34	0.64	0.72	1
11N20MIMO	1.30	1.52	0.8553	85.53	0.68	0.77	1
11N40MIMO	0.65	0.88	0.7386	73.86	1.32	1.54	2
11AC80MIMO	0.19	0.42	0.4524	45.24	3.44	5.26	6
11AX20MIMO	0.55	0.78	0.7051	70.51	1.52	1.82	2
11AX40MIMO	0.21	0.41	0.5122	51.22	2.91	4.76	5
11AX80MIMO	0.20	0.42	0.4762	47.62	3.22	5.00	6

Note:

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

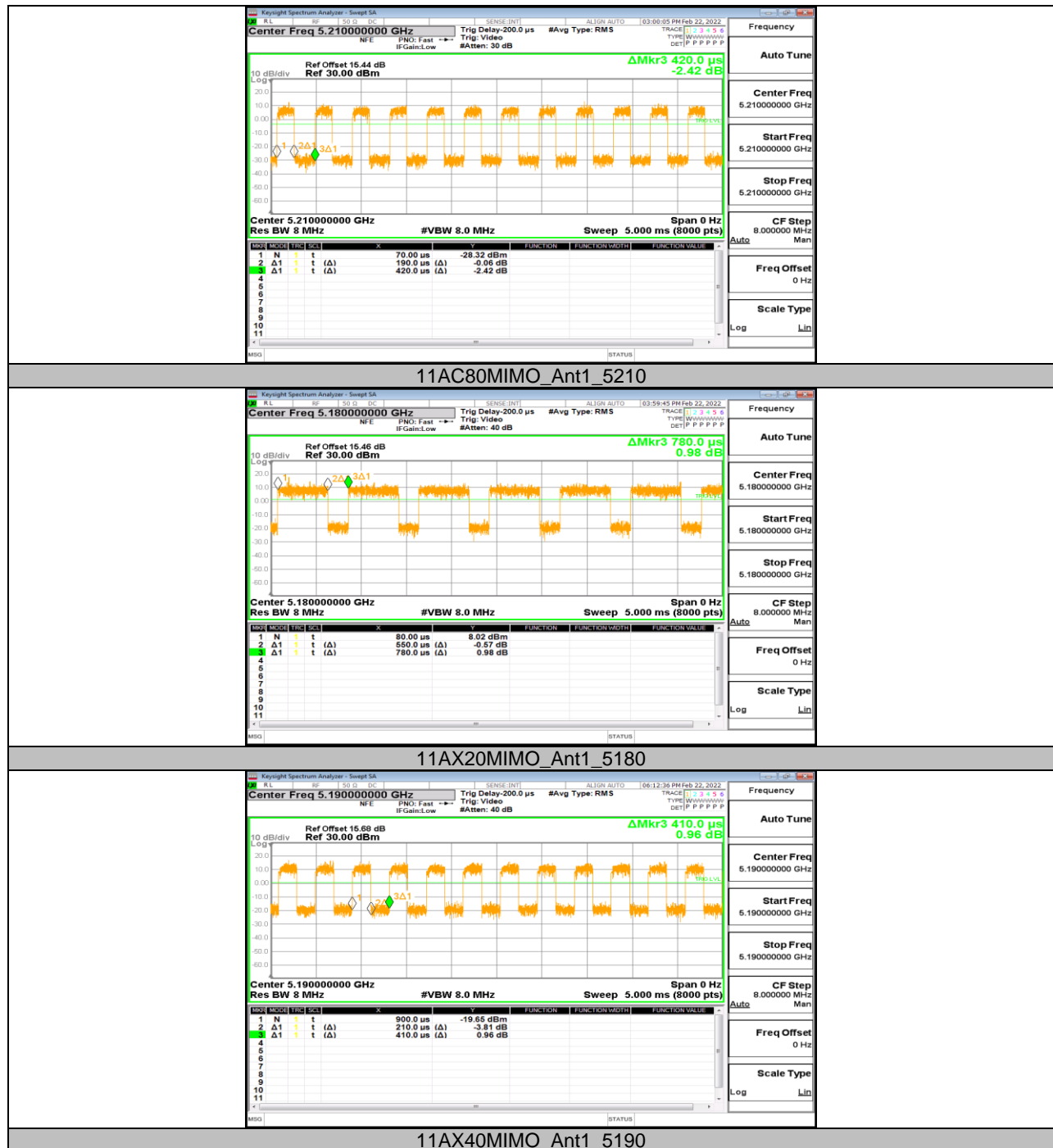
Where: x is Duty Cycle (Linear)

Where: T is On Time

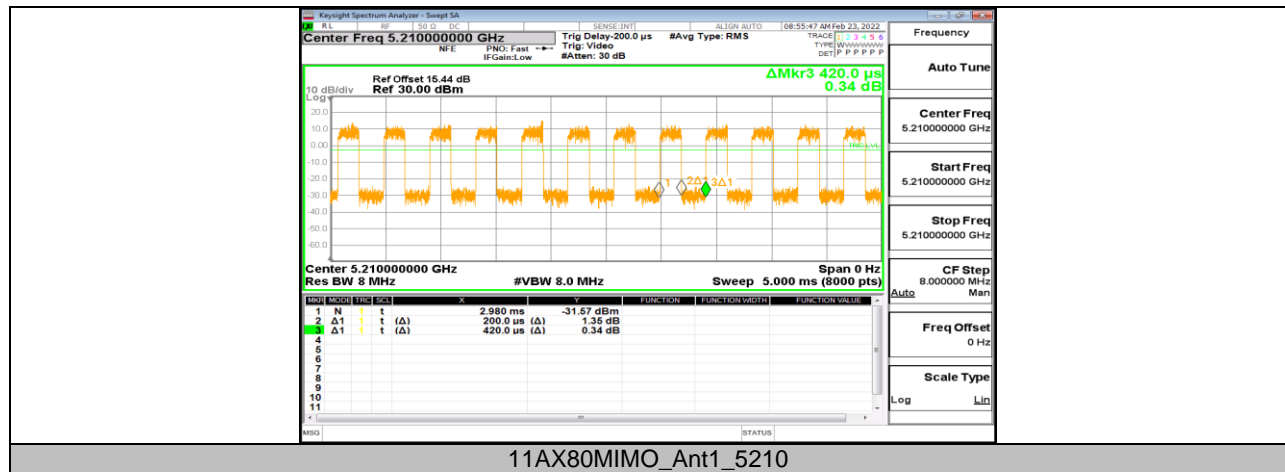
If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 12.6.2. Test Graphs











## 12.7. Appendix E: Frequency Stability 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)
TN	VL	5199.9777	-4.28	5200.0220	4.24	5200.0076	1.46	5200.0096	1.84
TN	VN	5200.0061	1.18	5200.0108	2.08	5200.0021	0.40	5199.9966	-0.66
TN	VH	5199.9910	-1.74	5199.9813	-3.60	5200.0065	1.25	5200.0191	3.68
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)
60	VN	5199.9882	-2.28	5200.0001	0.02	5200.0157	3.02	5200.0166	3.20
40	VN	5199.9981	-0.36	5199.9886	-2.20	5199.9830	-3.28	5200.0144	2.76
30	VN	5199.9754	-4.73	5200.0076	1.47	5200.0069	1.32	5199.9896	-2.00
20	VN	5200.0121	2.33	5200.0130	2.50	5199.9882	-2.27	5200.0031	0.60
10	VN	5199.9764	-4.55	5199.9986	-0.28	5200.0143	2.75	5200.0024	0.46
0	VN	5199.9938	-1.19	5200.0054	1.04	5199.9878	-2.34	5200.0012	0.23



Frequency Error vs. Voltage									
802.11a 20: 5825MHz									
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	5824.9988	-0.21	5825.0067	1.15	5825.0245	4.21	5824.9931	-1.19
TN	VN	5824.9977	-0.40	5824.9824	-3.03	5824.9893	-1.84	5824.9829	-2.94
TN	VH	5824.9915	-1.47	5824.9989	-0.18	5825.0166	2.84	5824.9958	-0.72
Frequency Error vs. Temperature									
802.11a 20: 5825MHz									
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)
60	VN	5825.0059	1.01	5825.0150	2.58	5825.0228	3.92	5824.9845	-2.65
40	VN	5824.9975	-0.43	5825.0036	0.61	5825.0074	1.28	5825.0156	2.69
30	VN	5825.0016	0.28	5825.0168	2.88	5825.0019	0.32	5825.0007	0.13
20	VN	5824.9858	-2.45	5824.9835	-2.82	5824.9865	-2.32	5825.0025	0.43
10	VN	5824.9761	-4.10	5825.0065	1.11	5824.9930	-1.21	5824.9973	-0.46
0	VN	5824.9822	-3.06	5824.9956	-0.75	5825.0133	2.29	5825.0014	0.24

Note: All antennas and test modes have been tested, only the worst data record in the report.



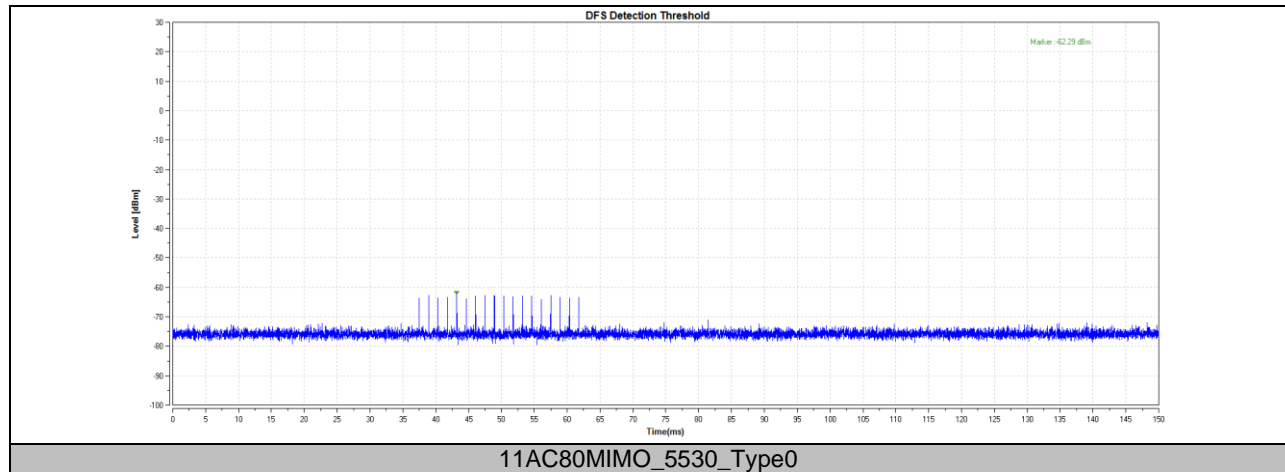
## 12.8. Appendix F: DFS Detection Thresholds

### 12.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5530	Type0	-62.29	-62.00	PASS



## 12.8.2. Test Graphs





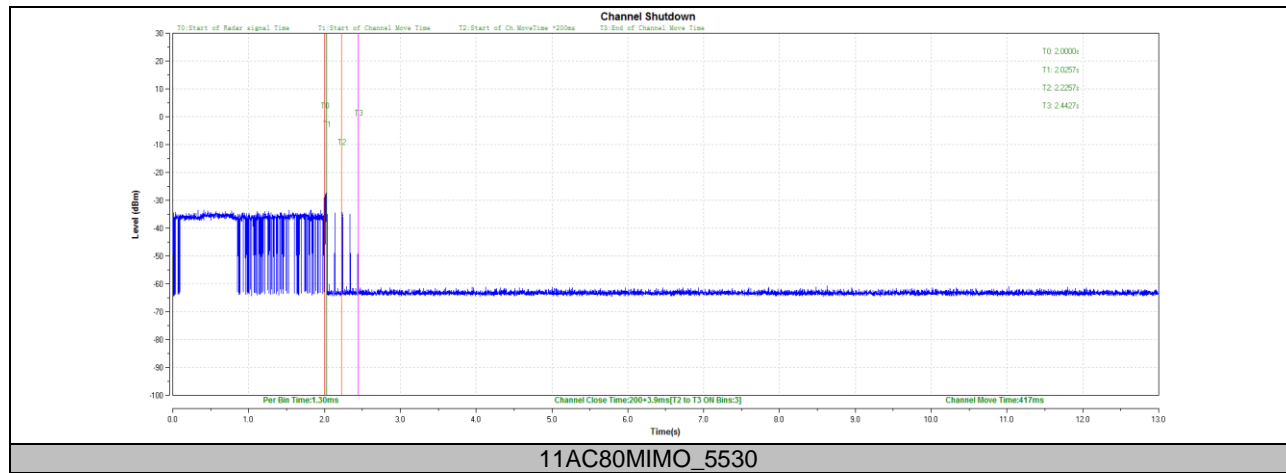
## 12.9. Appendix G: Channel Move Time and Channel Closing Transmission Time

### 12.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+3.9	200+60	417	10000	PASS



## 12.9.2. Test Graphs





## 12.10. Appendix H: Non-Occupancy Period

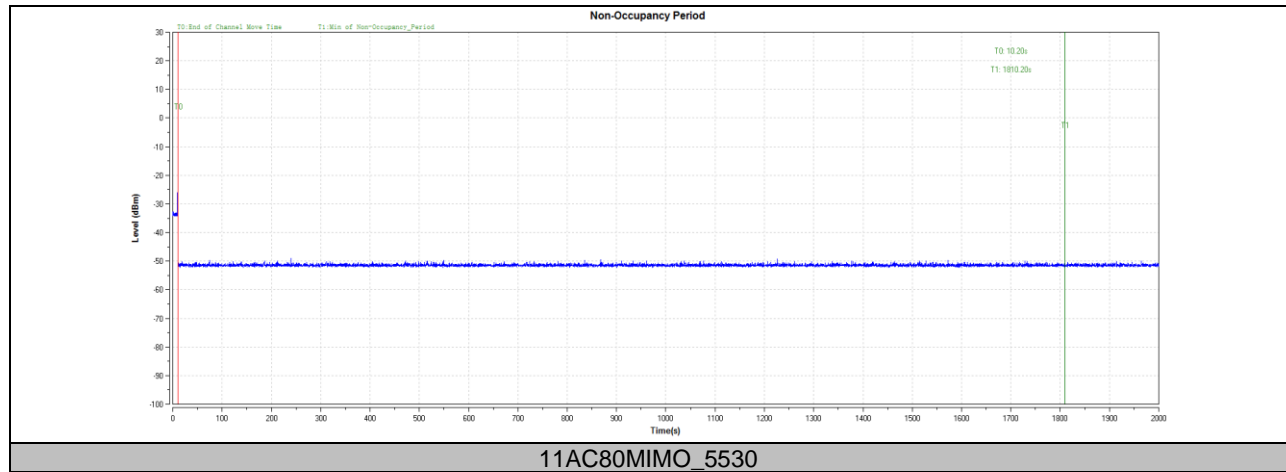
### Test Result

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





### 12.10.1. Test Graphs



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**END OF REPORT**