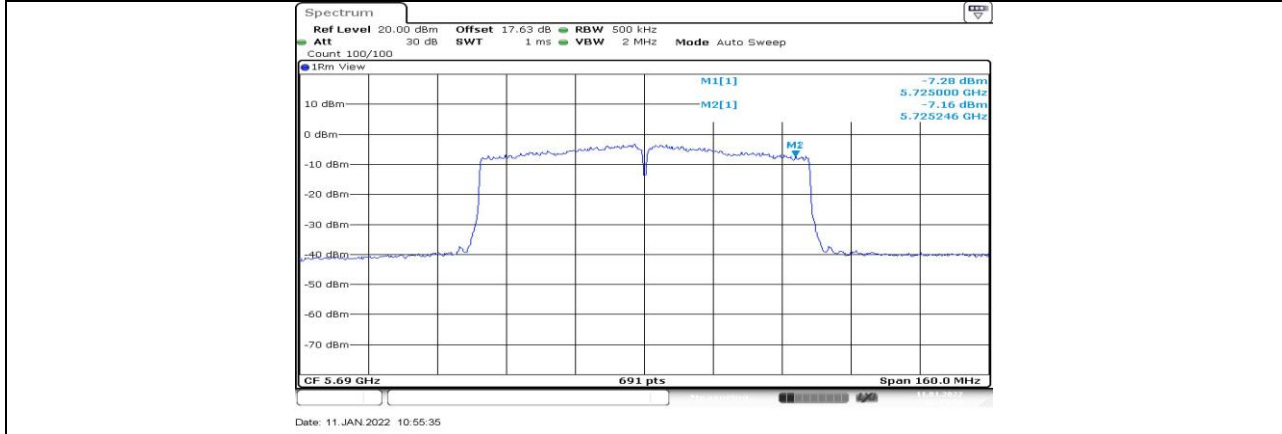
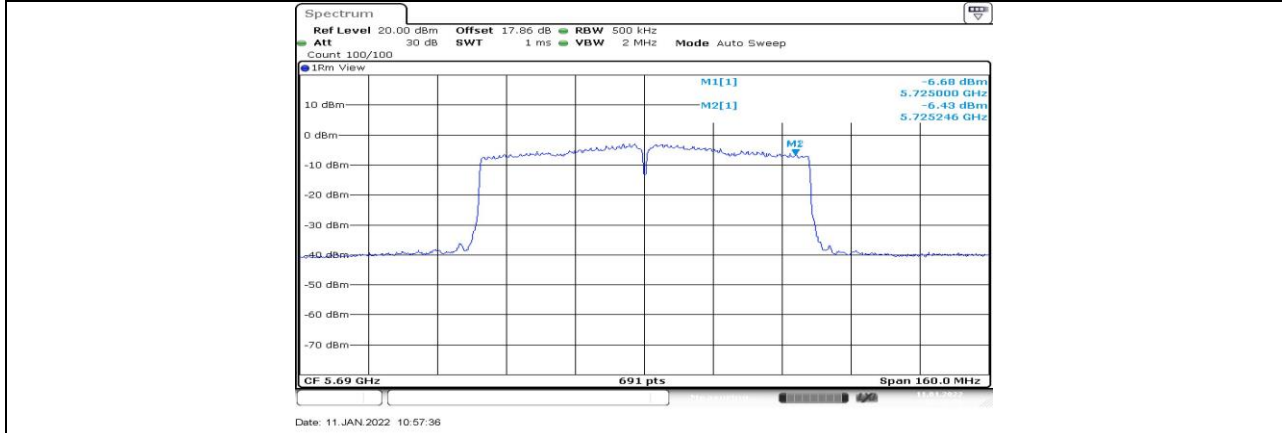


11AC80MIMO_Ant2_5690_UNII-2C



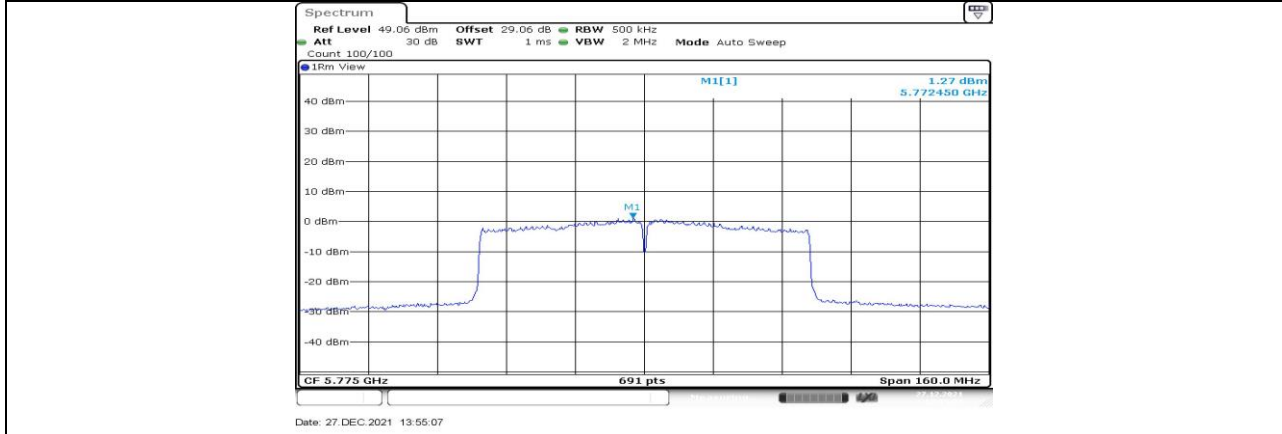
11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



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	1.38	1.42	0.9718	97.18	0.12	0.72	1
11N20MIMO	1.29	1.33	0.9699	96.99	0.13	0.78	1
11N40MIMO	1.29	1.33	0.9699	96.99	0.13	0.78	1
11AC80MIMO	0.18	0.23	0.7826	78.26	1.06	5.56	6

Note:

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

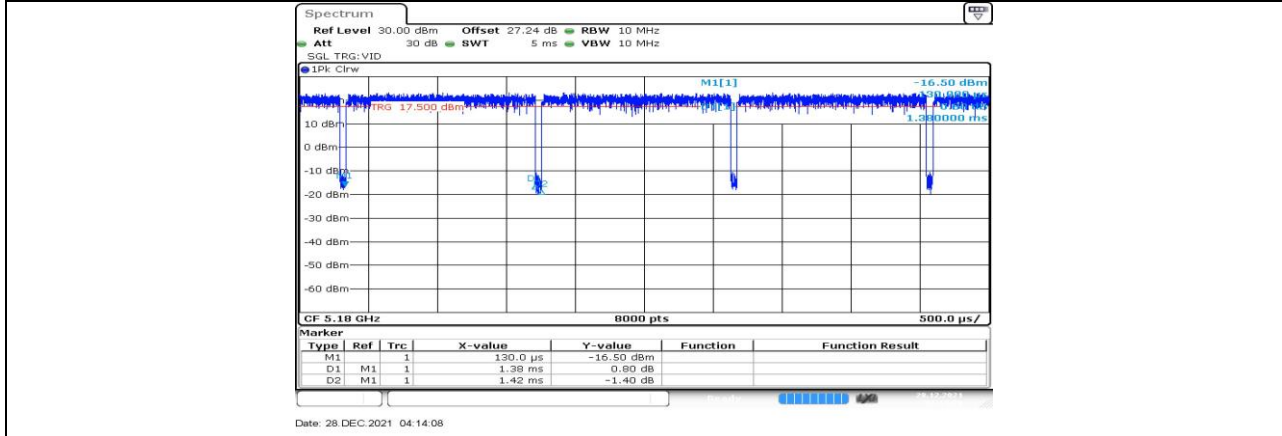
Where: x is Duty Cycle (Linear)

Where: T is On Time

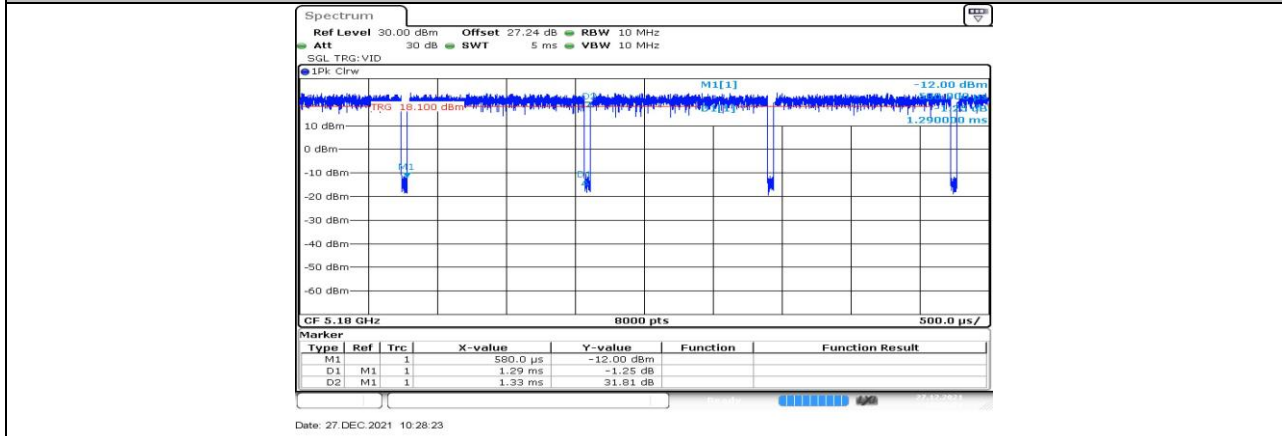
If that calculated VBW is not available on the analyzer then the next higher value should be used.



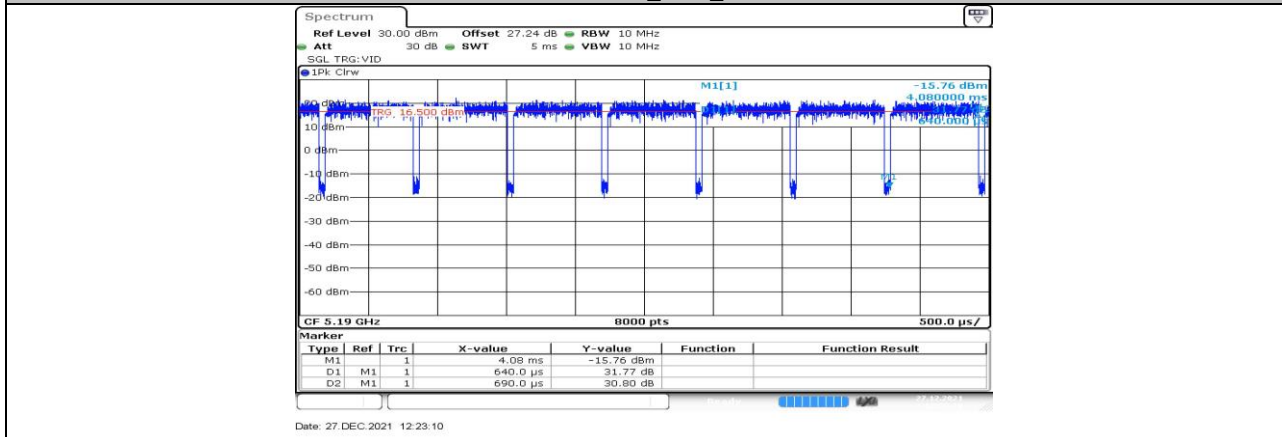
12.6.2. Test Graphs



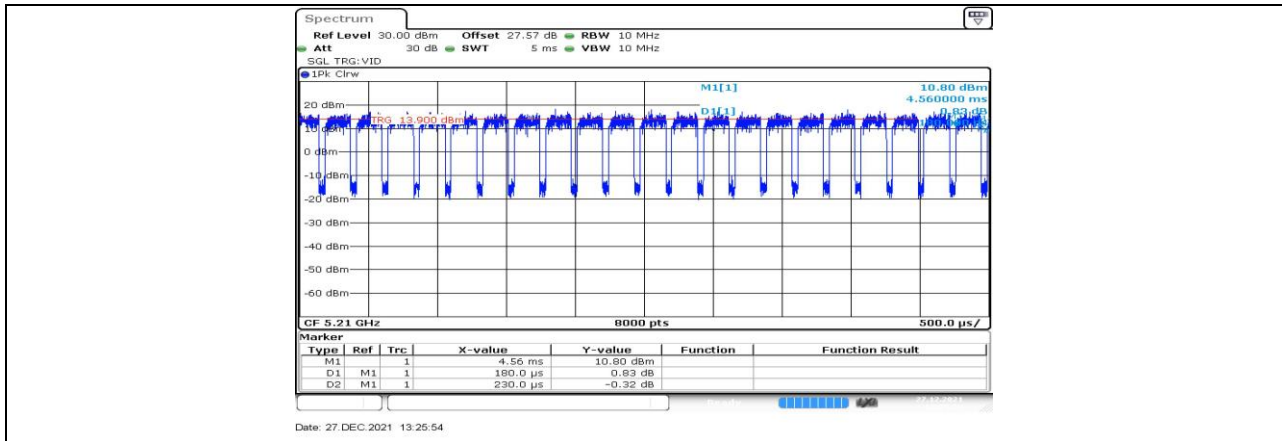
11A_Ant1_5180



11N20MIMO_Ant1_5180



11N40MIMO_Ant1_5190



11AC80MIMO_Ant1_5210

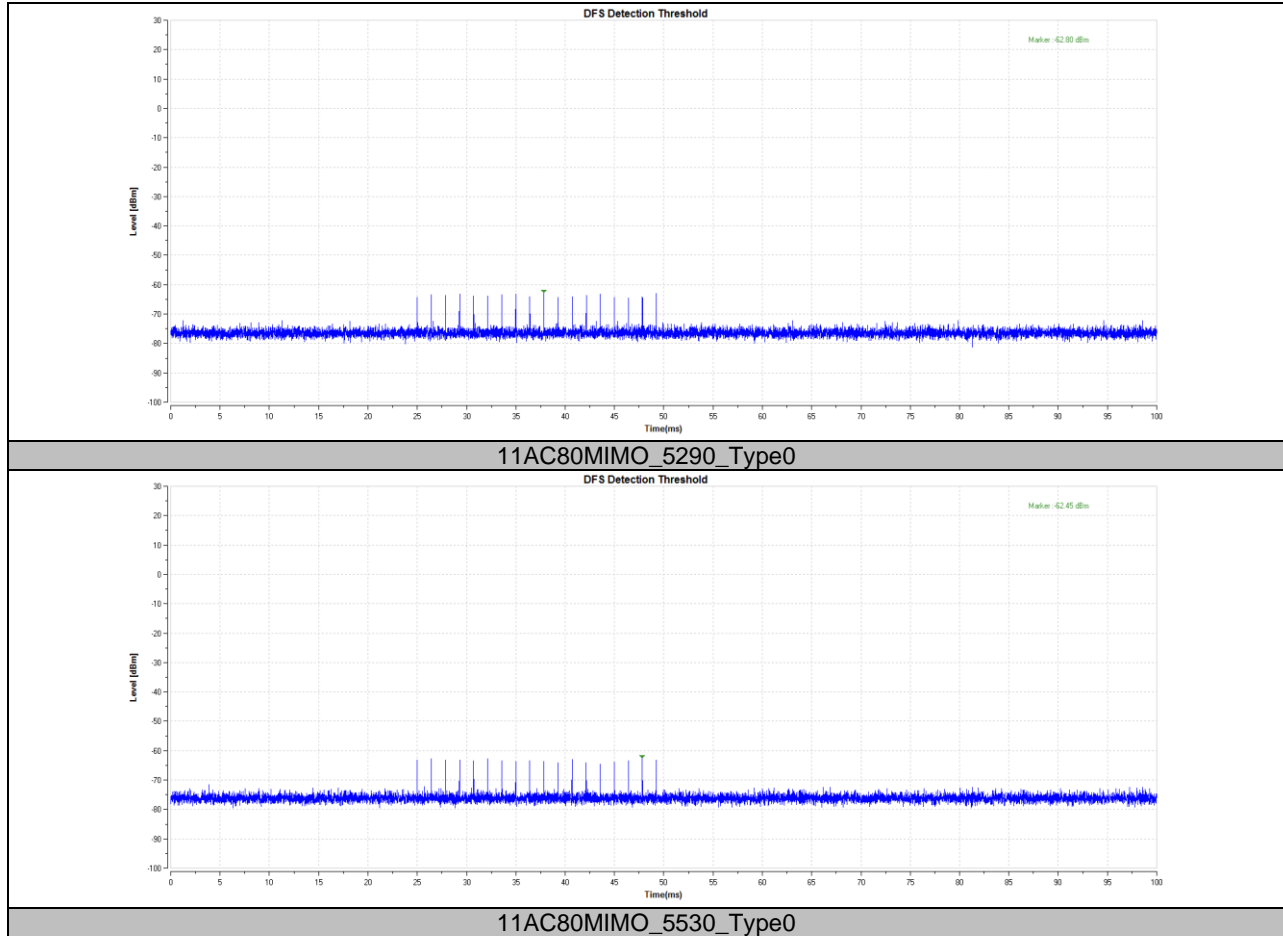


12.7. Appendix E: DFS Detection Thresholds

12.7.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5290	Type0	-62.80	-62.00	PASS
	5530	Type0	-62.45	-62.00	PASS

12.7.2. Test Graphs





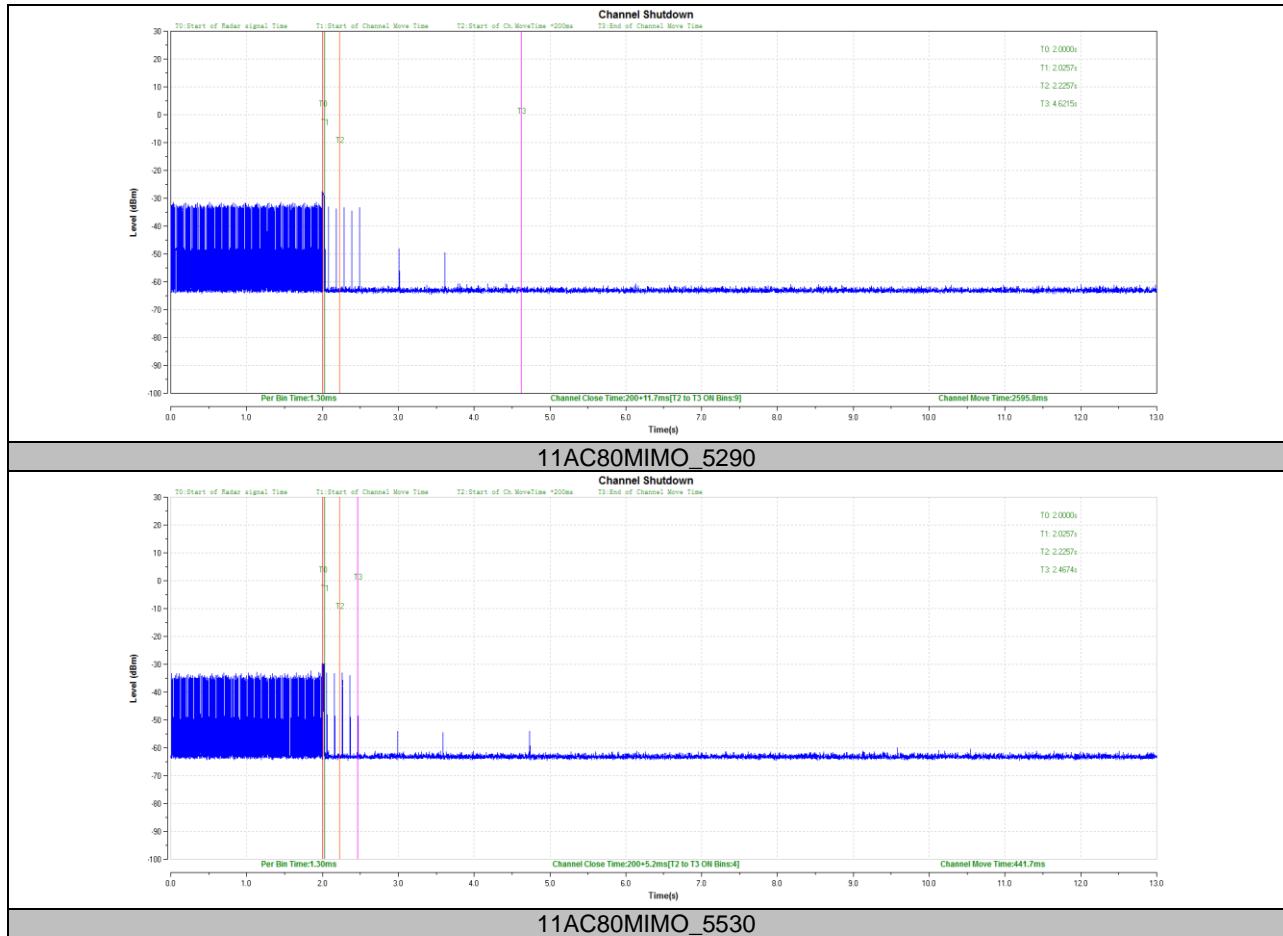
12.8. Appendix F: Channel Move Time and Channel Closing Transmission Time

12.8.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5290	200+11.7	200+60	2595.8	10000	PASS
	5530	200+5.2	200+60	441.7	10000	PASS



12.8.2. Test Graphs





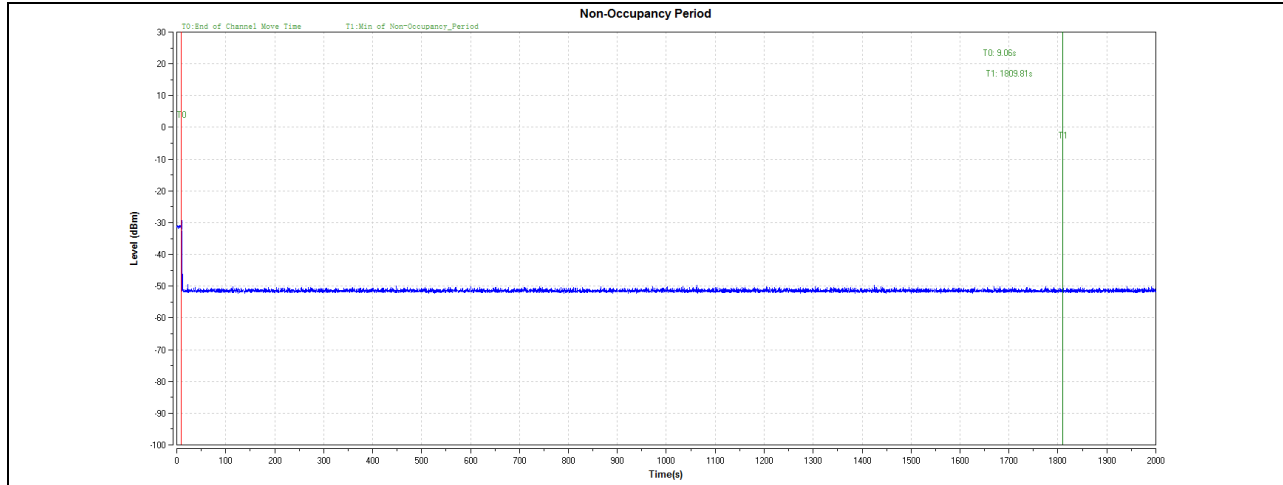
12.9. Appendix G: Non-Occupancy Period

Test Result

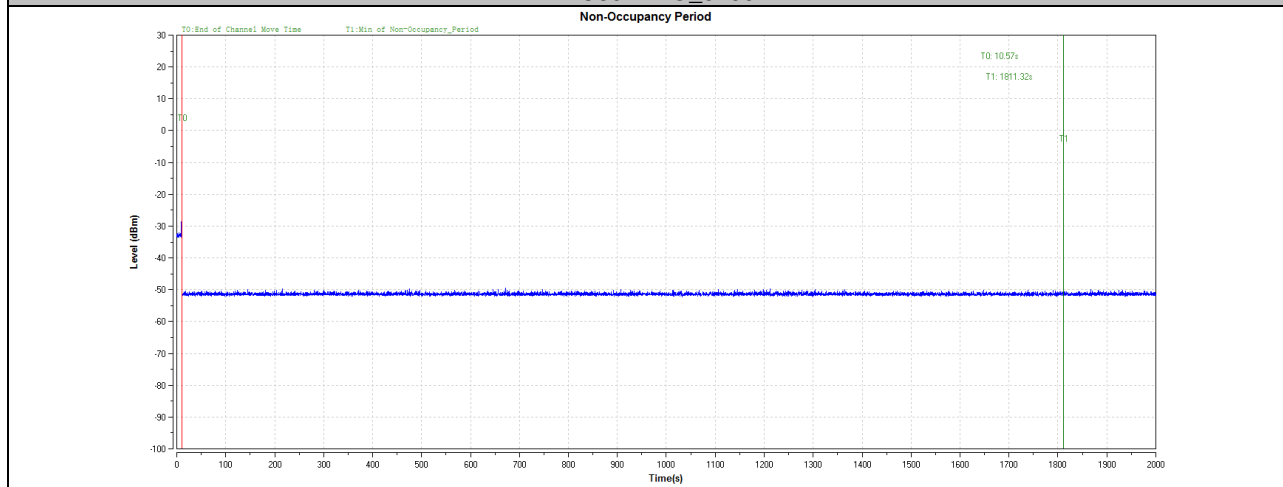
Test Mode	Channel	Result	Limit[s]	Verdict
11AC80MIMO	5290	see test graph	≥1800	PASS
	5530	see test graph	≥1800	PASS



12.9.1. Test Graphs



11AC80MIMO_5290



11AC80MIMO_5530



12.10. Appendix H: Frequency Stability

12.10.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5199.9874	-2.42	5199.9777	-4.30	5199.9816	-3.53	5200.0011	0.22
TN	VN	5200.0021	0.41	5200.0084	1.62	5199.9921	-1.52	5199.9753	-4.74
TN	VH	5199.9926	-1.42	5199.9836	-3.16	5200.0147	2.83	5199.9755	-4.72
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	5200.0066	1.27	5199.9790	-4.05	5199.9976	-0.47	5199.9805	-3.76
60	VN	5199.9751	-4.79	5199.9984	-0.31	5200.0214	4.11	5199.9945	-1.07
50	VN	5200.0012	0.24	5200.0227	4.37	5200.0240	4.62	5199.9898	-1.97
40	VN	5200.0172	3.32	5200.0081	1.56	5200.0054	1.04	5200.0200	3.84
30	VN	5199.9896	-2.00	5199.9795	-3.94	5199.9885	-2.21	5199.9861	-2.67
20	VN	5200.0062	1.18	5200.0018	0.35	5199.9838	-3.11	5200.0119	2.28
10	VN	5199.9845	-2.98	5199.9874	-2.42	5200.0075	1.45	5199.9788	-4.07
0	VN	5199.9895	-2.03	5200.0006	0.12	5200.0143	2.76	5200.0157	3.01
-10	VN	5200.0066	1.27	5199.9790	-4.05	5199.9976	-0.47	5199.9805	-3.76

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 10 TEST ENVIRONMENT.



Frequency Error vs. Voltage									
802.11a: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	5825.0134	2.29	5824.9783	-3.73	5824.9803	-3.37	5824.9972	-0.48
TN	VN	5824.9769	-3.96	5825.0016	0.28	5824.9928	-1.24	5824.9894	-1.83
TN	VH	5824.9810	-3.26	5824.9963	-0.64	5825.0084	1.45	5824.9923	-1.31

Frequency Error vs. Temperature									
802.11a: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)
70	VN	5825.0155	2.66	5824.9850	-2.58	5825.0216	3.71	5824.9877	-2.11
60	VN	5825.0232	3.97	5825.0171	2.94	5825.0152	2.62	5825.0224	3.84
50	VN	5825.0109	1.87	5824.9964	-0.62	5825.0058	0.99	5825.0046	0.79
40	VN	5824.9768	-3.97	5825.0219	3.75	5824.9871	-2.22	5824.9776	-3.84
30	VN	5825.0043	0.73	5825.0059	1.02	5824.9871	-2.21	5825.0123	2.11
20	VN	5825.0044	0.75	5824.9762	-4.09	5825.0239	4.10	5824.9858	-2.44
10	VN	5824.9898	-1.74	5825.0017	0.28	5825.0098	1.68	5824.9780	-3.78
0	VN	5825.0058	1.00	5825.0068	1.17	5824.9851	-2.55	5825.0094	1.62
-10	VN	5825.0155	2.66	5824.9850	-2.58	5825.0216	3.71	5824.9877	-2.11

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 10 TEST ENVIRONMENT.

END OF REPORT