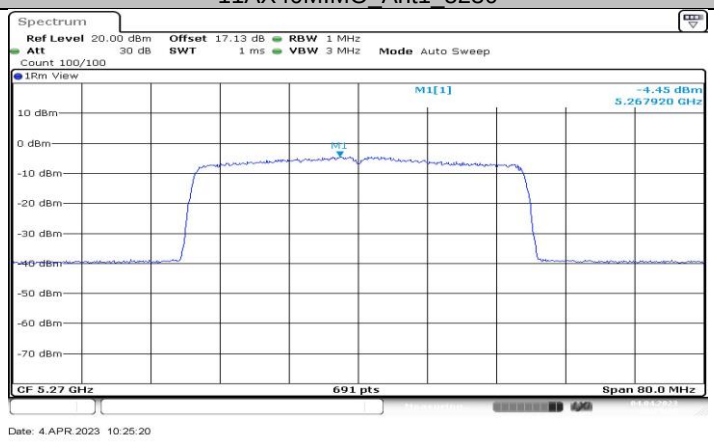
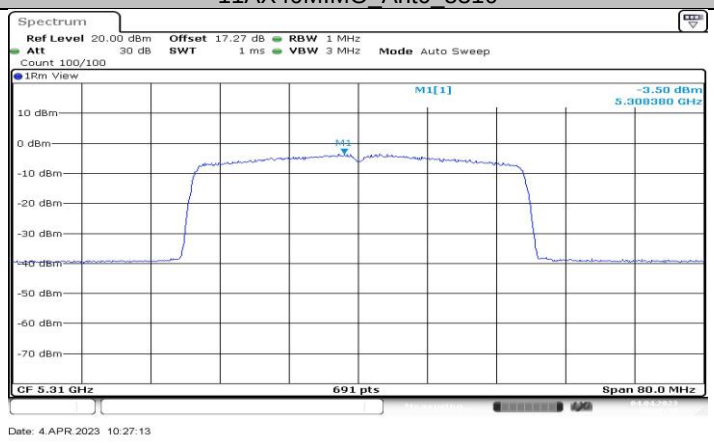
11AX40MIMO_Ant1_5230



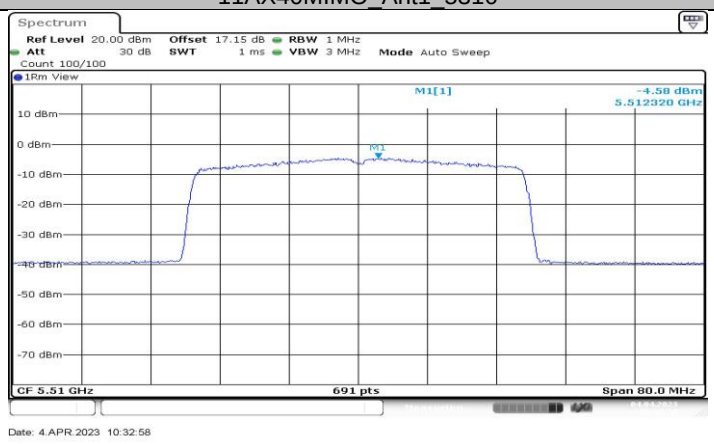
11AX40MIMO_Ant0_5270

11AX40MIMO_Ant1_5270

11AX40MIMO_Ant0_5310

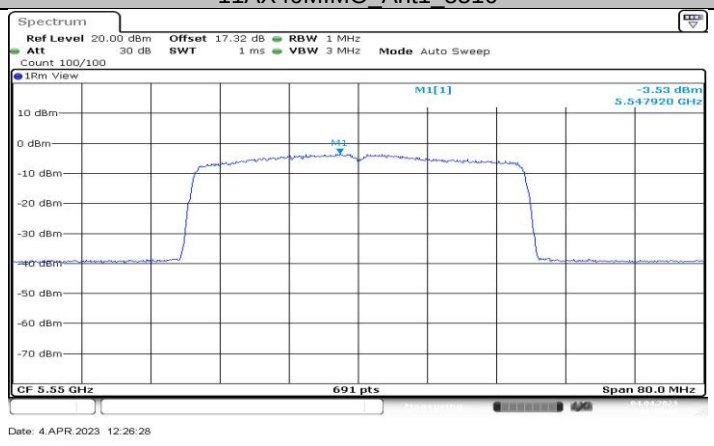


11AX40MIMO_Ant1_5310



11AX40MIMO_Ant0_5510

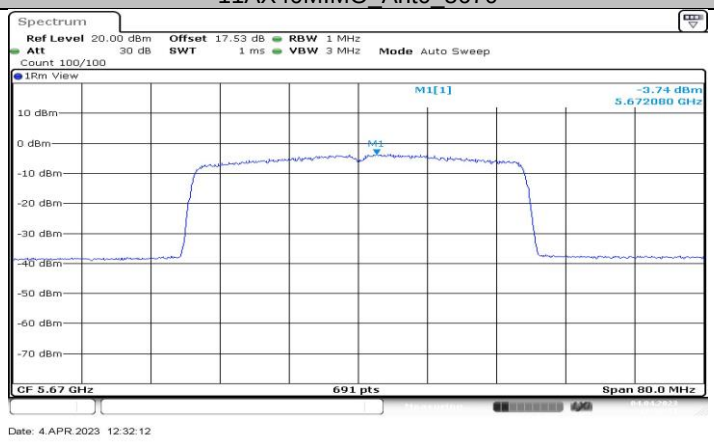
11AX40MIMO_Ant1_5510



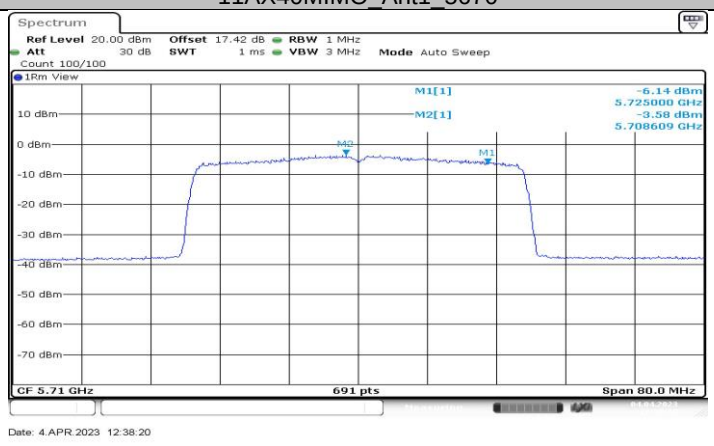
11AX40MIMO_Ant0_5550

11AX40MIMO_Ant1_5550

11AX40MIMO_Ant0_5670



11AX40MIMO_Ant1_5670



11AX40MIMO_Ant0_5710_UNII-2C

11AX40MIMO_Ant1_5710_UNII-2C

11AX40MIMO_Ant0_5710_UNII-3

11AX40MIMO_Ant1_5710_UNII-3

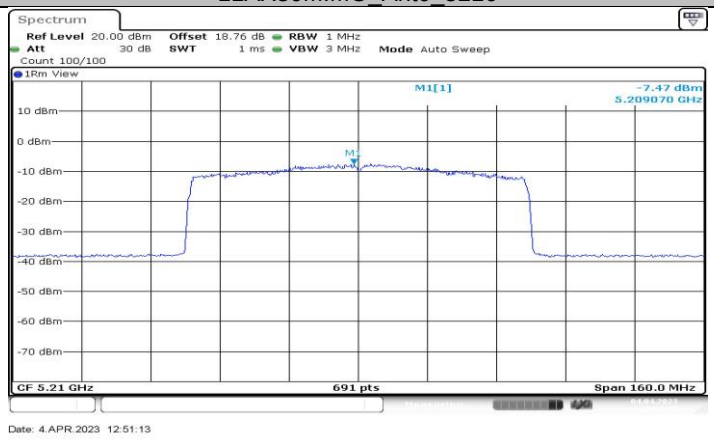
11AX40MIMO_Ant0_5755

11AX40MIMO_Ant1_5755

11AX40MIMO_Ant0_5795

11AX40MIMO_Ant1_5795

11AX80MIMO_Ant0_5210

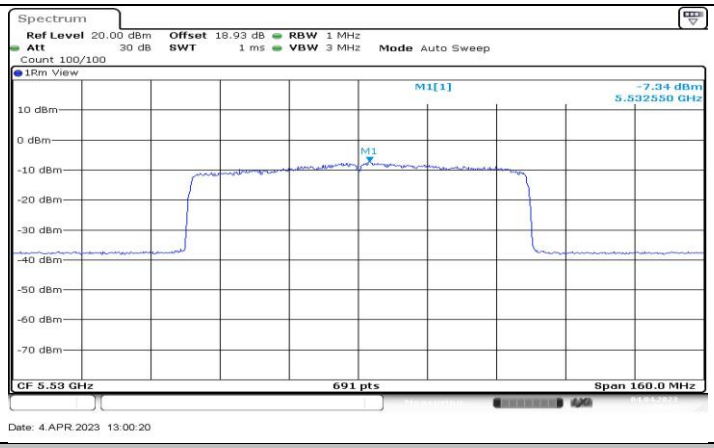


11AX80MIMO_Ant1_5210

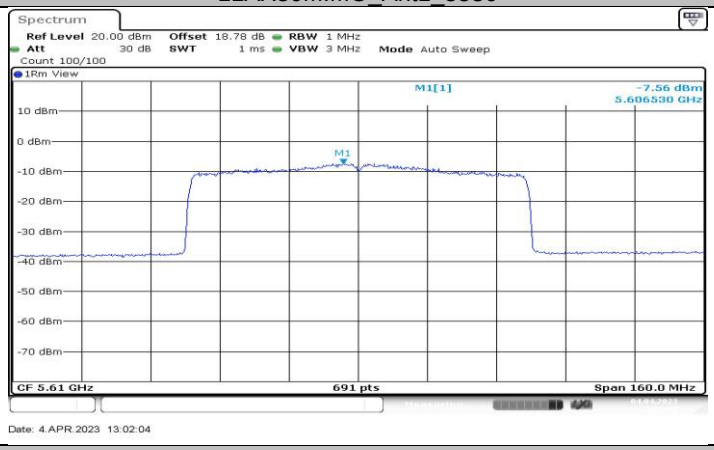
11AX80MIMO_Ant0_5290

11AX80MIMO_Ant1_5290

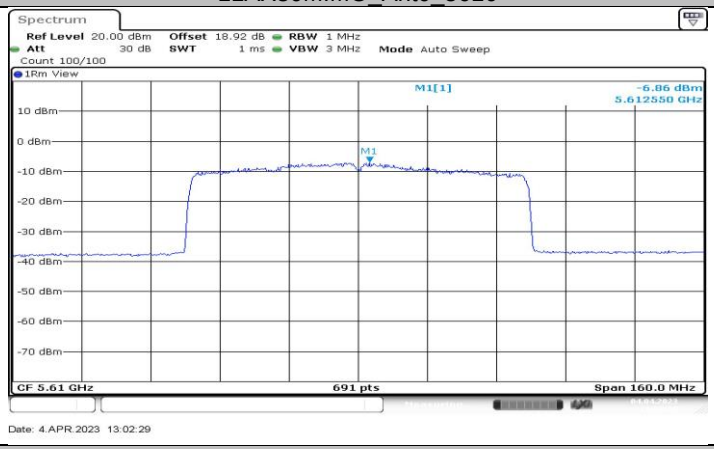
11AX80MIMO_Ant0_5530



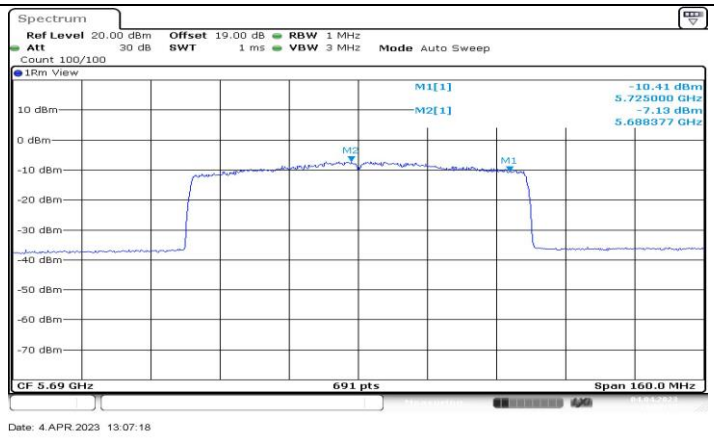
11AX80MIMO_Ant1_5530



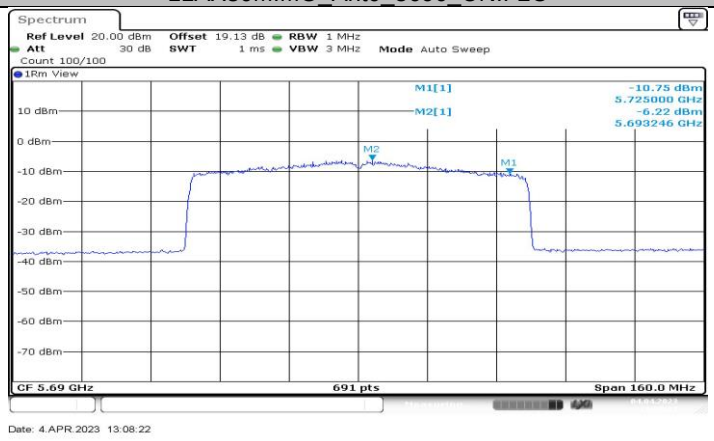
11AX80MIMO_Ant0_5610



11AX80MIMO_Ant1_5610



11AX80MIMO_Ant0_5690_UNII-2C



11AX80MIMO_Ant1_5690_UNII-2C

11AX80MIMO_Ant0_5690_UNII-3

11AX80MIMO_Ant1_5690_UNII-3

11AX80MIMO_Ant0_5775

11AX80MIMO_Ant1_5775

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	5200.0090	1.72	5199.9785	-4.14	5199.9842	-3.04	5199.9870	-2.51
TN	VN	5199.9795	-3.95	5199.9836	-3.15	5199.9880	-2.31	5199.9817	-3.52
TN	VH	5200.0222	4.28	5200.0165	3.17	5200.0208	4.00	5199.9851	-2.86
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	5200.0154	2.95	5200.0184	3.54	5200.0162	3.11	5200.0053	1.01
60	VN	5199.9956	-0.85	5200.0026	0.49	5199.9855	-2.79	5200.0055	1.06
50	VN	5200.0027	0.53	5199.9923	-1.47	5199.9837	-3.14	5200.0080	1.55
40	VN	5200.0095	1.84	5199.9848	-2.92	5199.9824	-3.39	5200.0108	2.09
30	VN	5199.9787	-4.10	5200.0055	1.06	5200.0113	2.16	5200.0205	3.95
20	VN	5199.9921	-1.52	5199.9837	-3.14	5200.0194	3.73	5199.9850	-2.89
10	VN	5199.9905	-1.83	5199.9795	-3.94	5199.9926	-1.42	5199.9771	-4.40
0	VN	5200.0228	4.38	5200.0224	4.30	5200.0084	1.61	5200.0084	1.62
-10	VN	5199.9967	-0.63	5200.0089	1.71	5200.0111	2.14	5199.9915	-1.63

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.

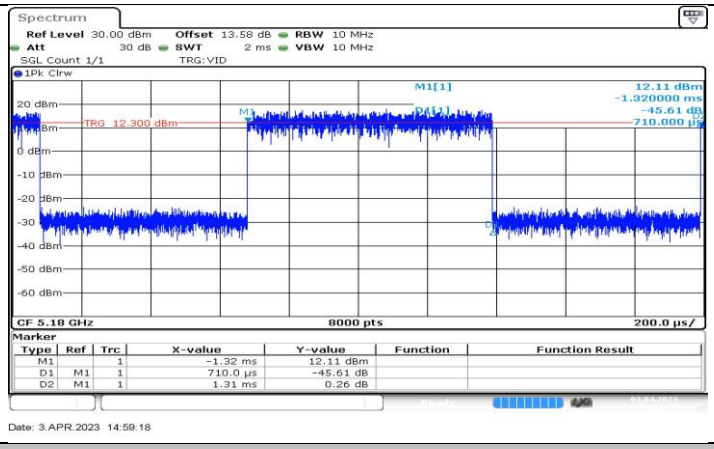
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

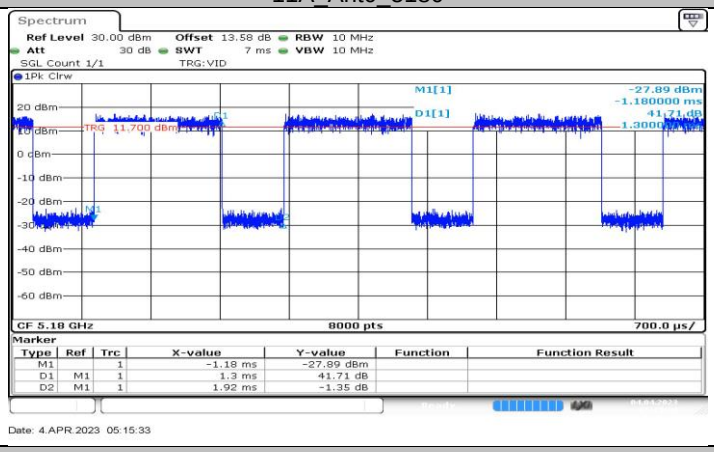
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	0.71	1.31	0.5420	54.20	2.66	1.41	2
11N20MIMO	1.30	1.92	0.6771	67.71	1.69	0.77	1
11N40MIMO	0.65	1.27	0.5118	51.18	2.91	1.54	2
11AC80MIMO	0.19	0.79	0.2405	24.05	6.19	5.26	6
11AX20MIMO	1.03	1.67	0.6168	61.68	2.10	0.97	1
11AX40MIMO	0.55	1.21	0.4545	45.45	3.42	1.82	2
11AX80MIMO	0.31	0.97	0.3196	31.96	4.95	3.23	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.

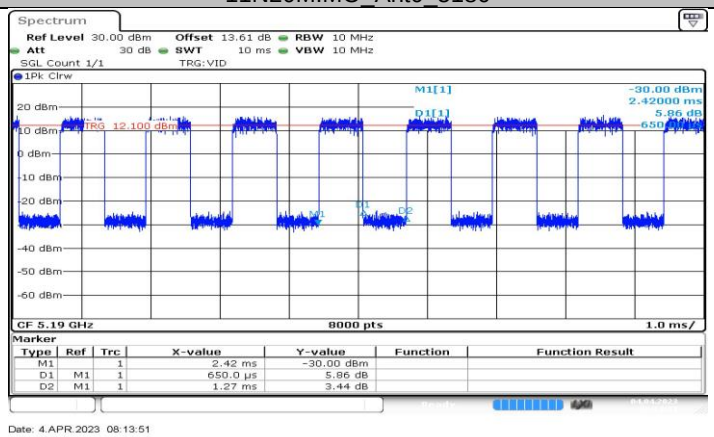
11.7.2. Test Graphs



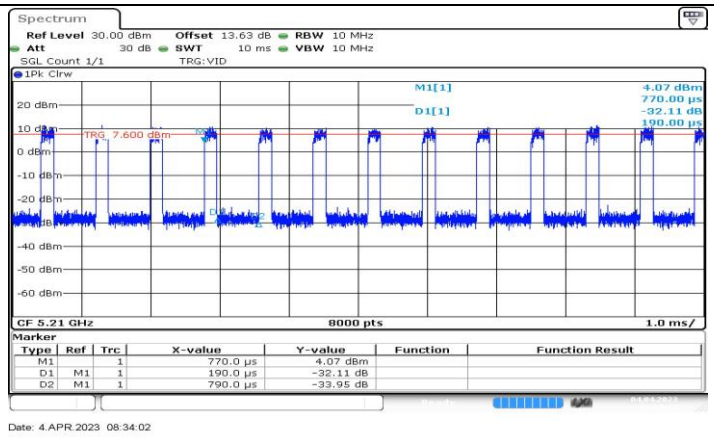
11A_Ant0_5180



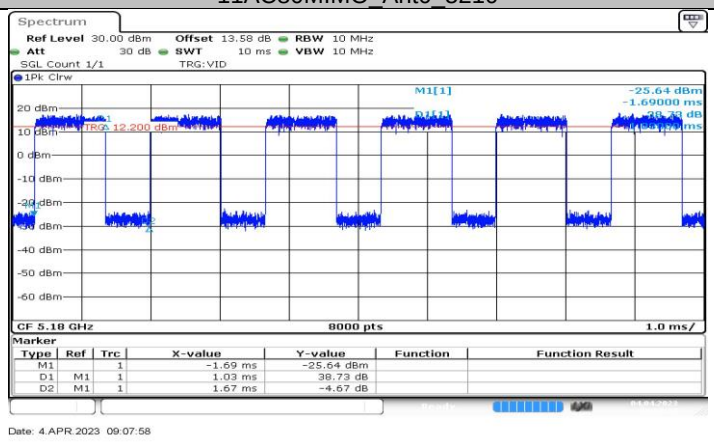
11N20MIMO_Ant0_5180



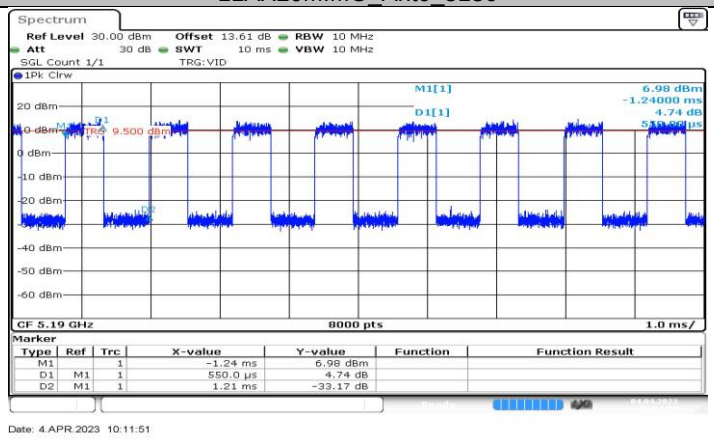
11N40MIMO_Ant0_5190



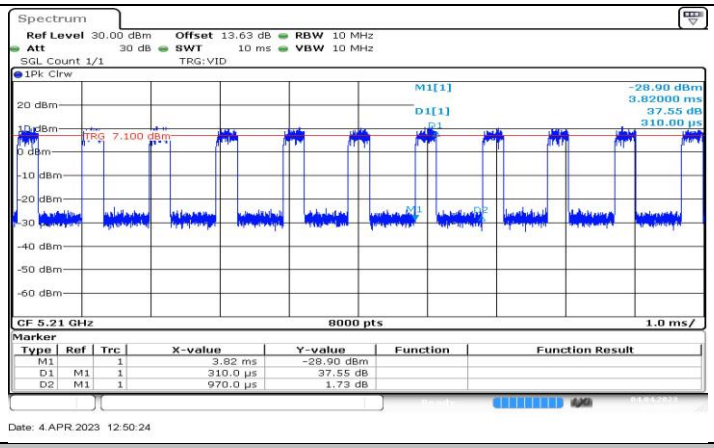
11AC80MIMO_Ant0_5210



11AX20MIMO_Ant0_5180



11AX40MIMO_Ant0_5190



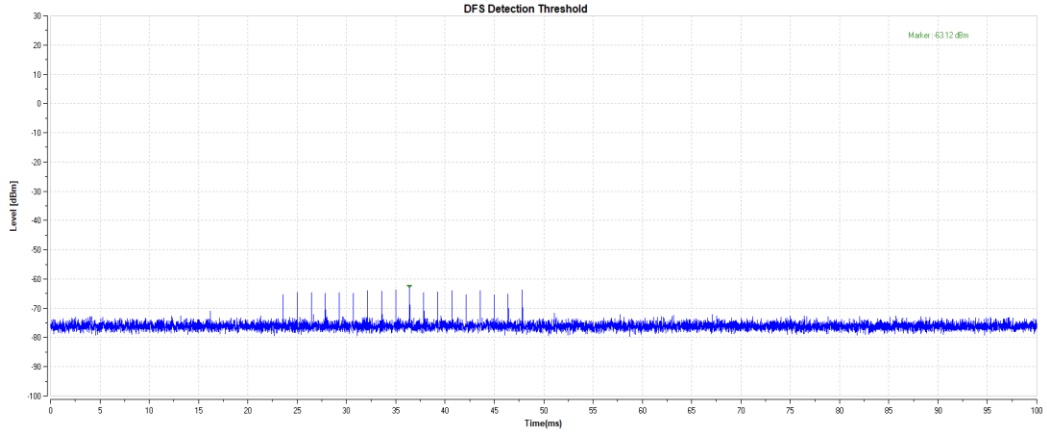
11AX80MIMO_Ant0_5210

11.8. APPENDIX H: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AX80MIMO	5530	Type0	-63.12	-57.54	PASS

11.8.2. Test Graphs



11AX80MIMO_5530_Type0

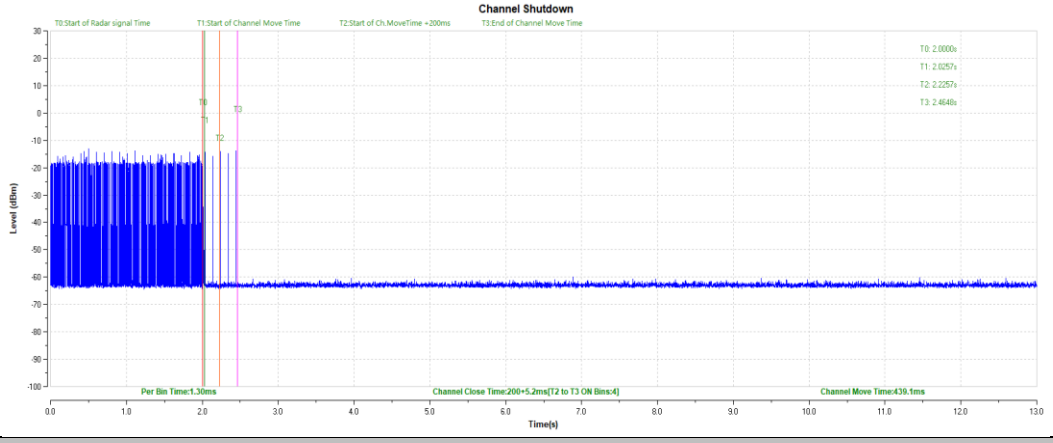
Note: All the test modes, channels and antennas have been tested, only the worst data record in the report.

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
11AX80MIMO	5530	200+5.2	200+60	439.1	10000	PASS

11.9.2. Test Graphs



11AX80MIMO_5530

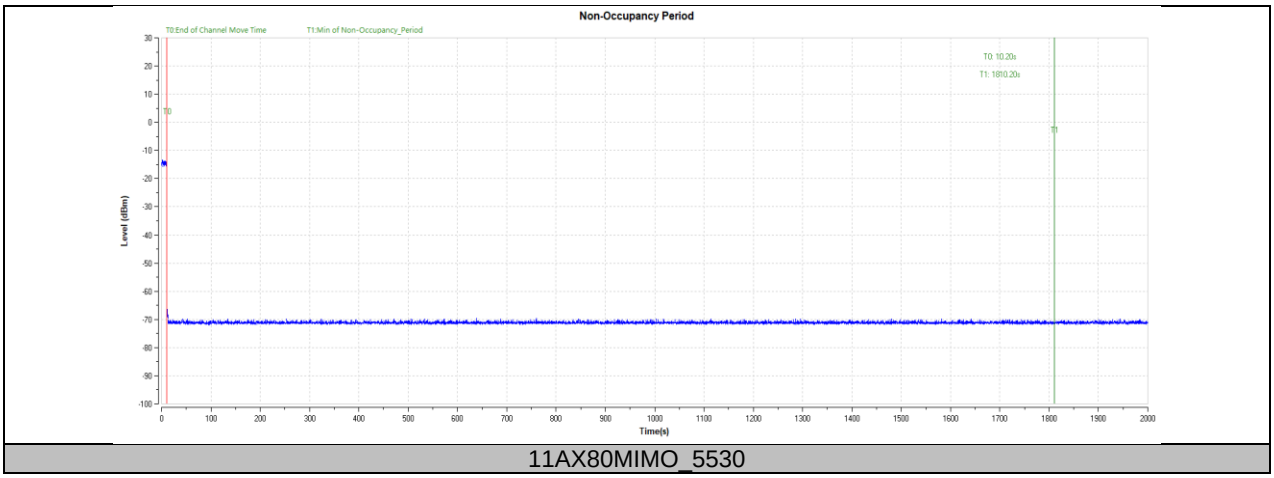
Note: All the test modes, channels and antennas have been tested, only the worst data record in the report.

11.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AX80MIMO	5530	see test graph	≥1800	PASS

11.10.1. Test Graphs



11AX80MIMO_5530

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

END OF REPORT