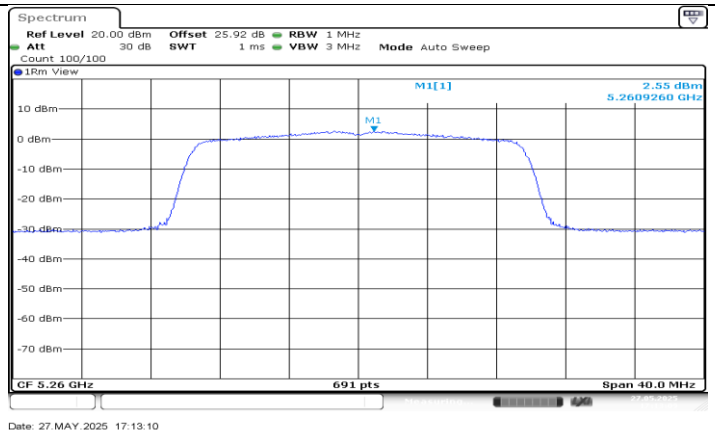
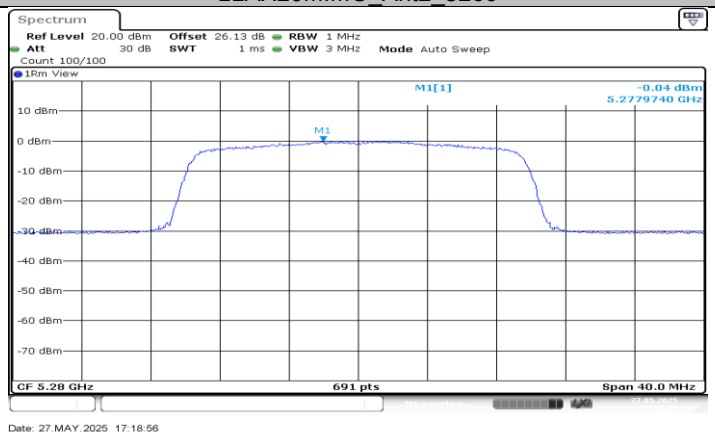
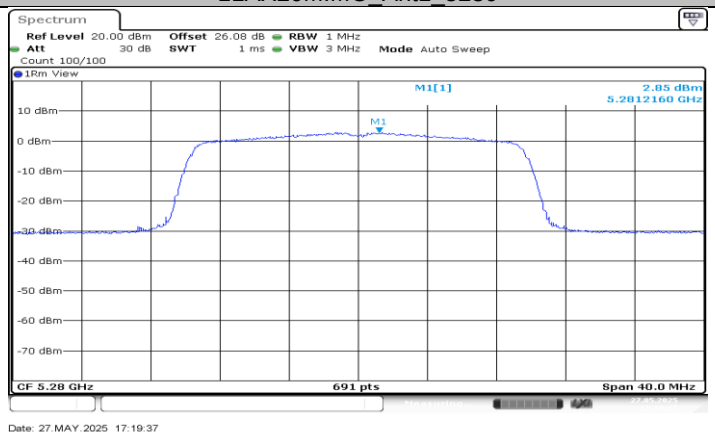


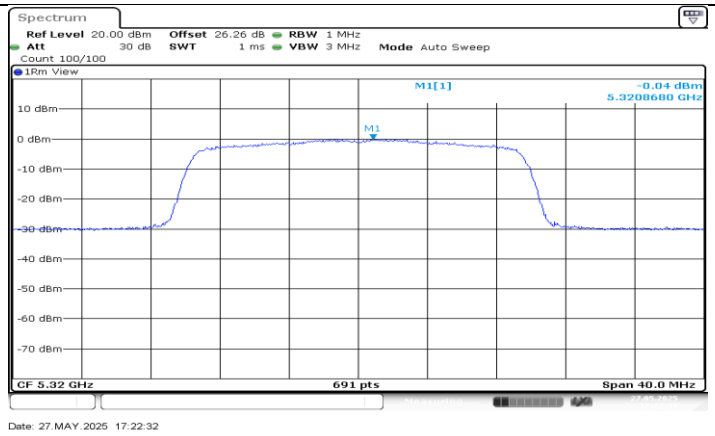
11AX20MIMO_Ant2_5260



11AX20MIMO_Ant1_5280



11AX20MIMO_Ant2_5280



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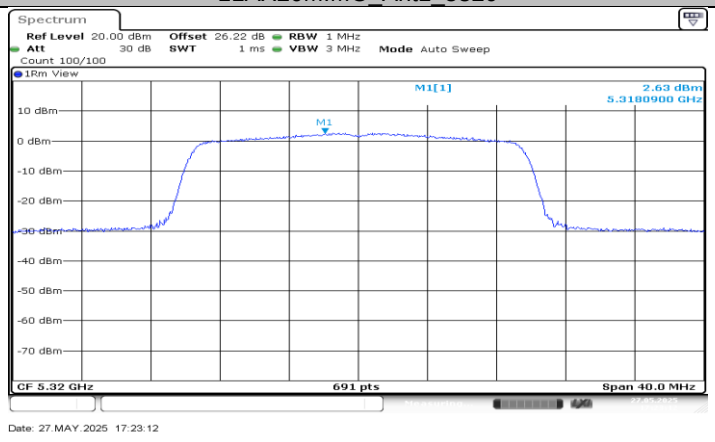
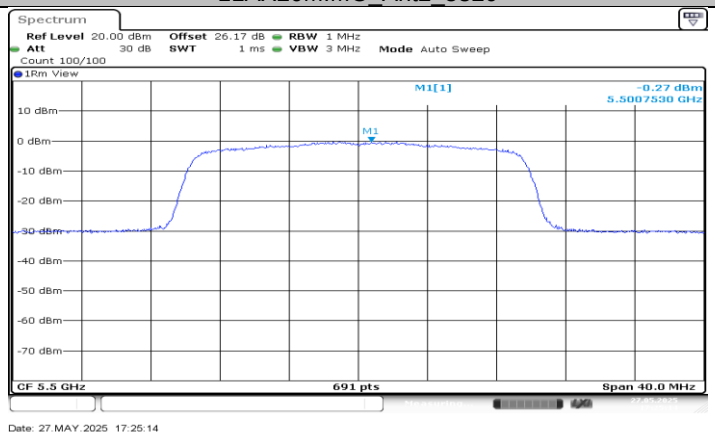
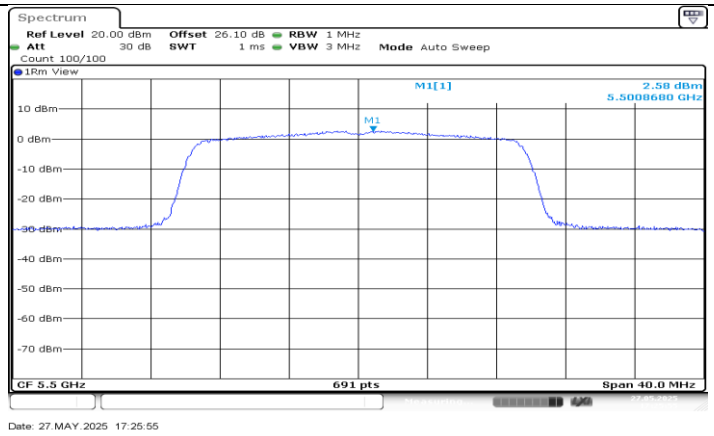


11AX20MIMO_Ant2_5320



11AX20MIMO_Ant1_5500



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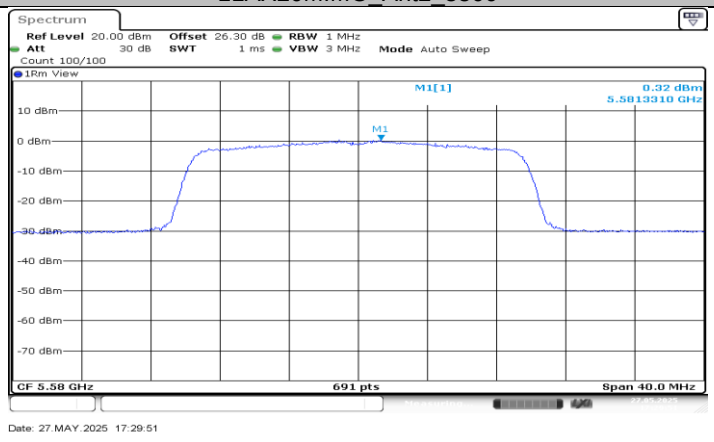

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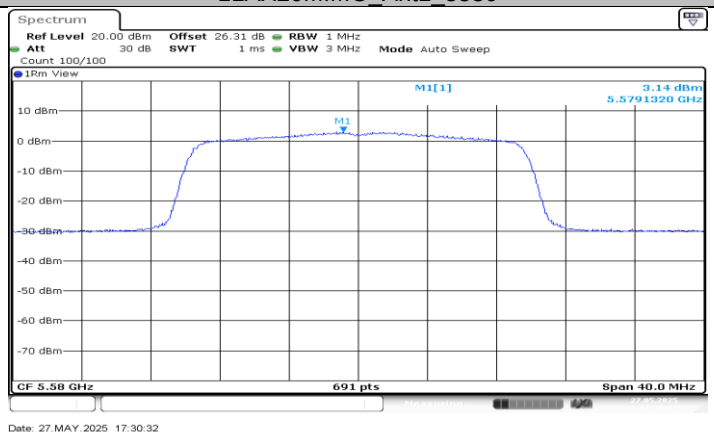

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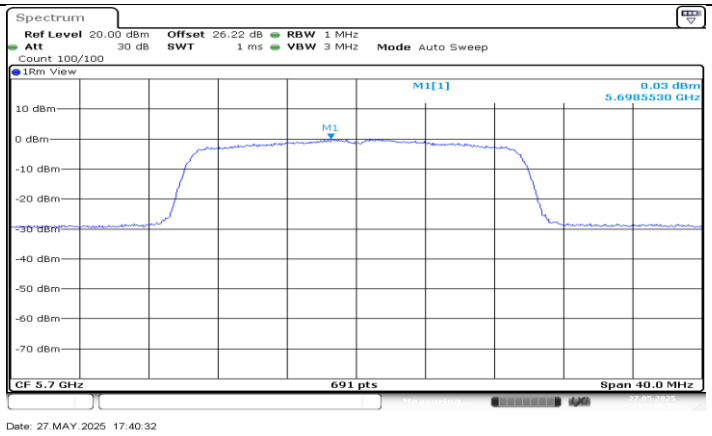

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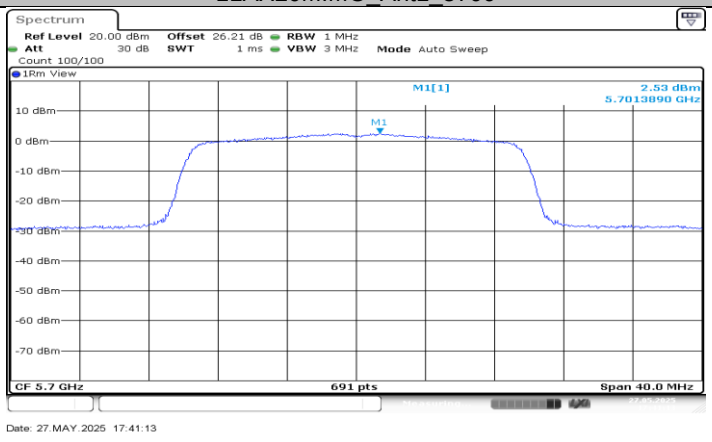

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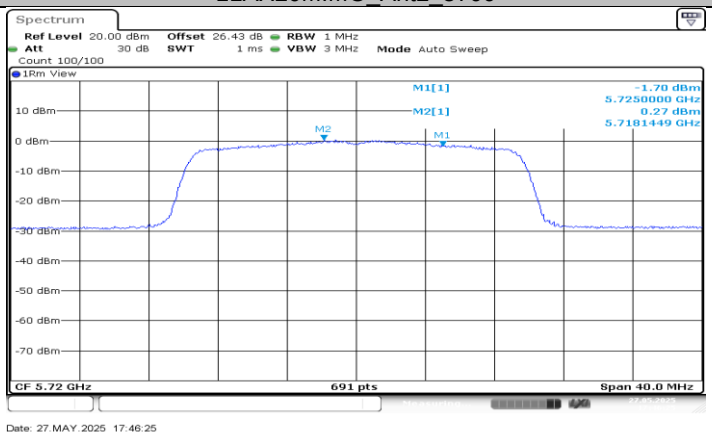
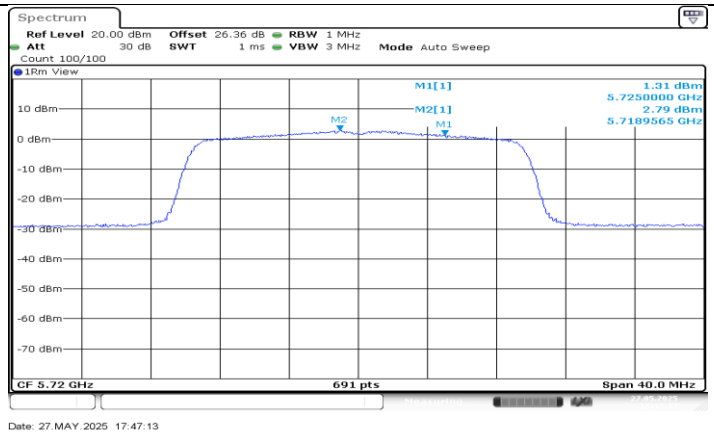
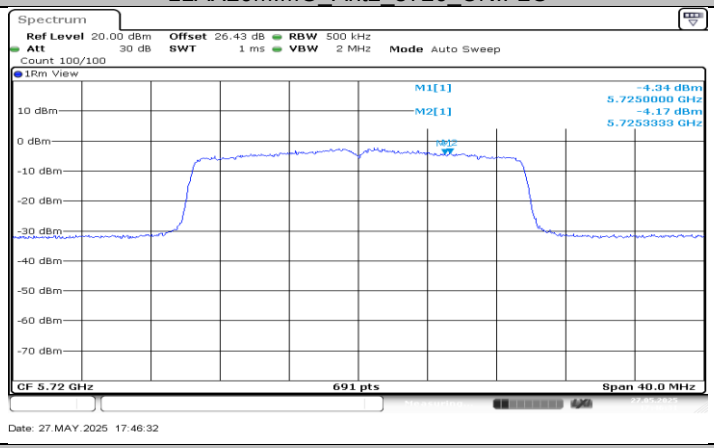


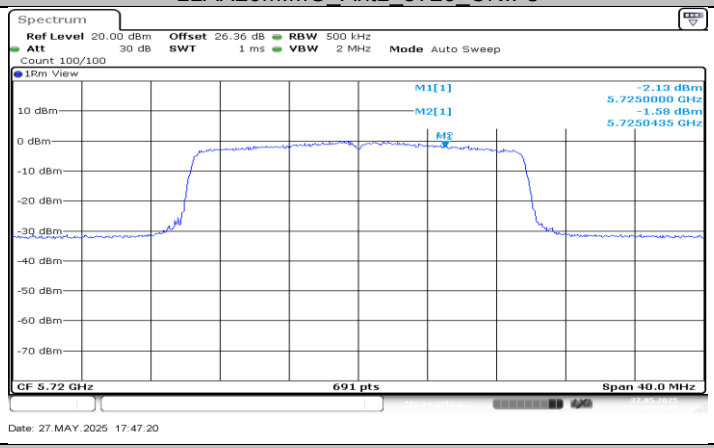
11AX20MIMO_Ant1_5720_UNII-2C



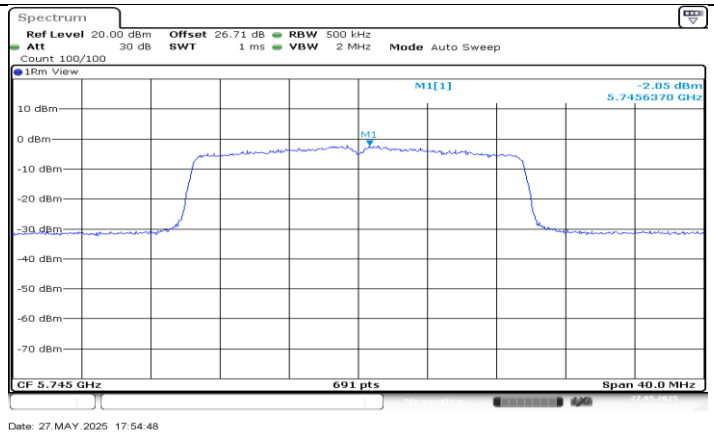
11AX20MIMO_Ant2_5720_UNII-2C



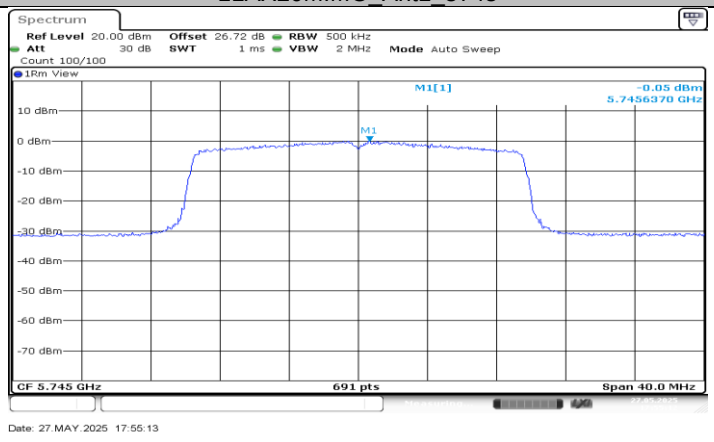
11AX20MIMO_Ant1_5720_UNII-3



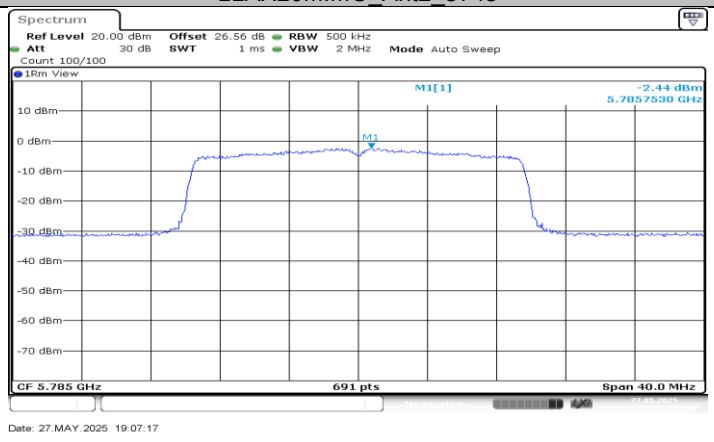
11AX20MIMO_Ant2_5720_UNII-3



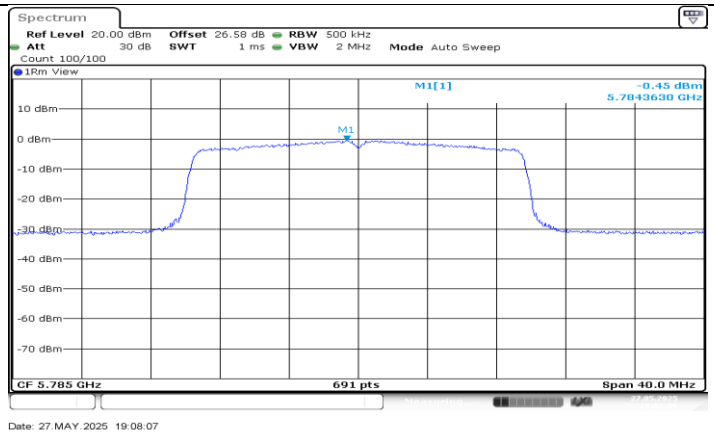
11AX20MIMO_Ant1_5745



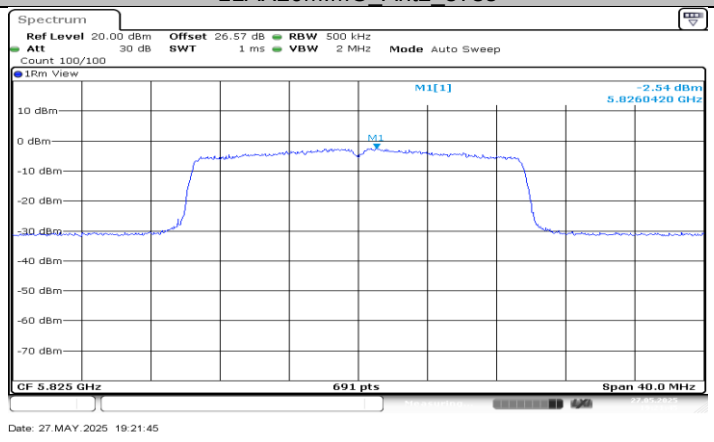
11AX20MIMO_Ant2_5745



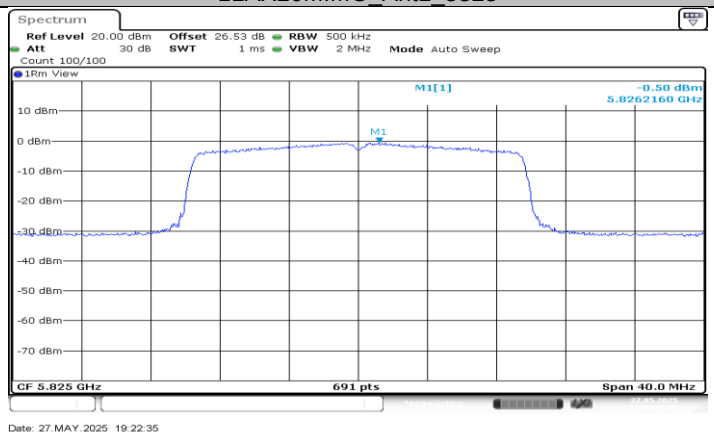
11AX20MIMO_Ant1_5785



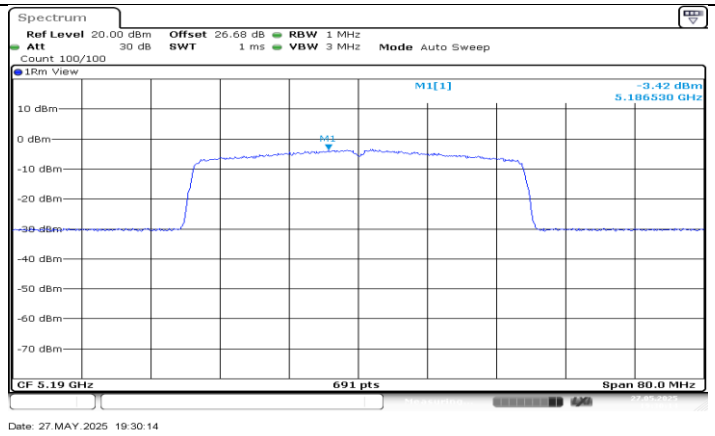
11AX20MIMO_Ant2_5785



11AX20MIMO_Ant1_5825



11AX20MIMO_Ant2_5825



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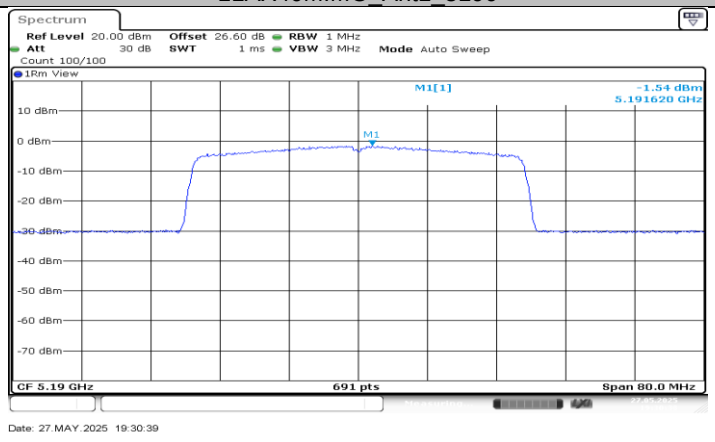
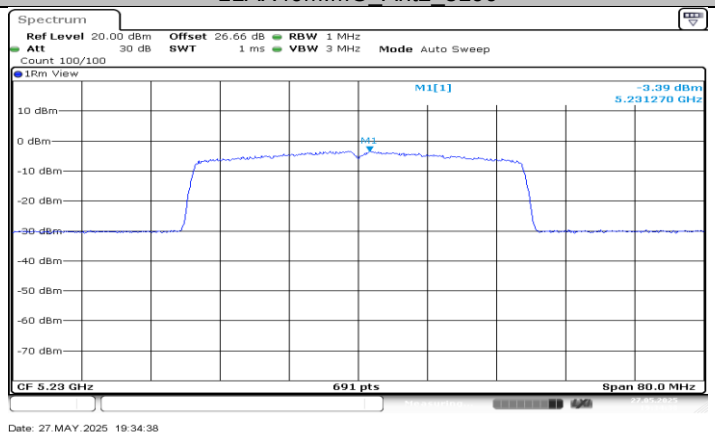
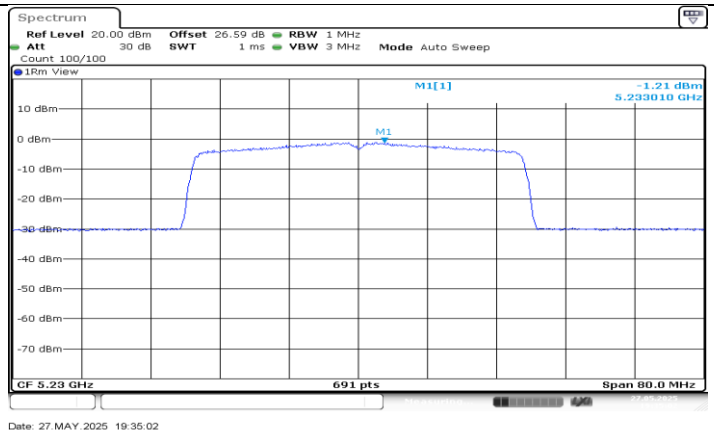


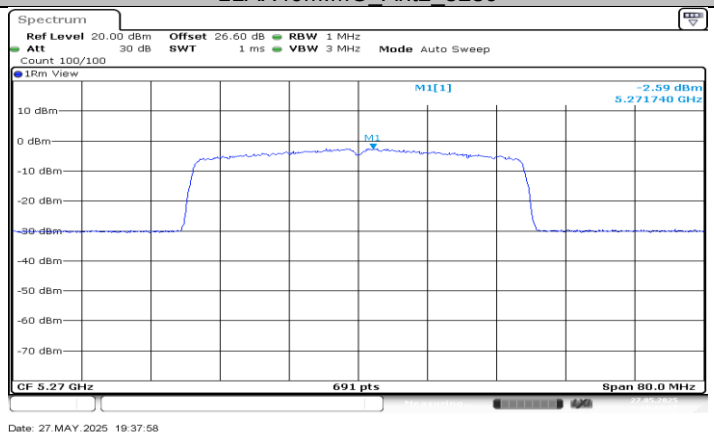
11AX40MIMO_Ant2_5190



11AX40MIMO_Ant1_5230



11AX40MIMO_Ant2_5230



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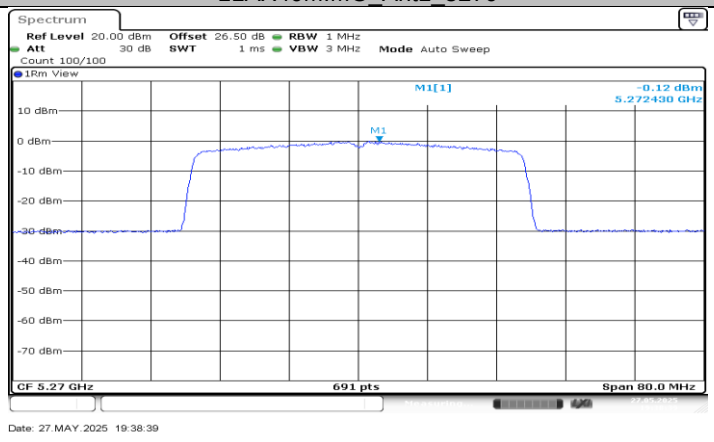
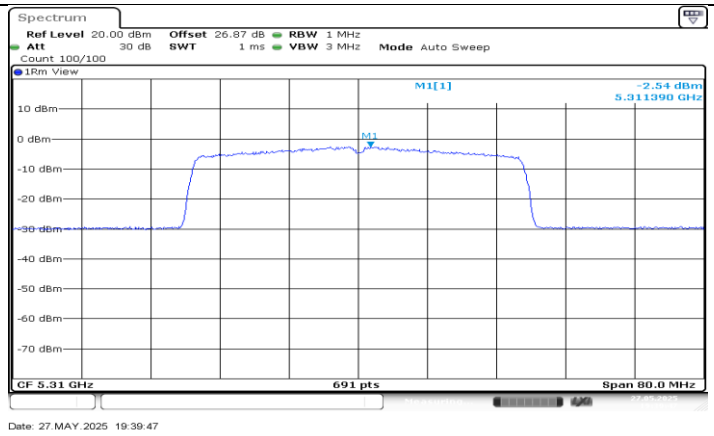
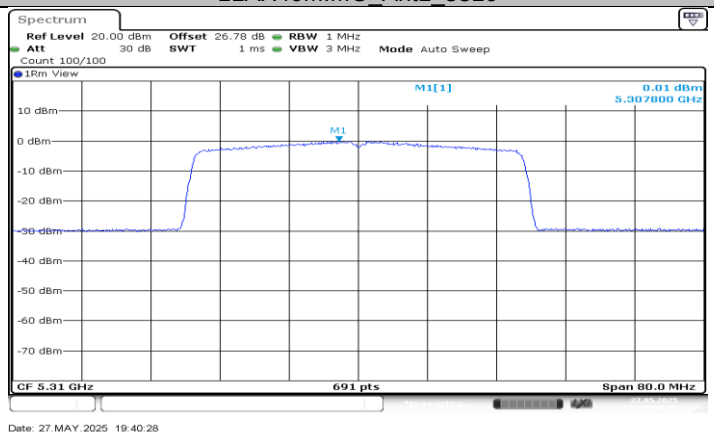


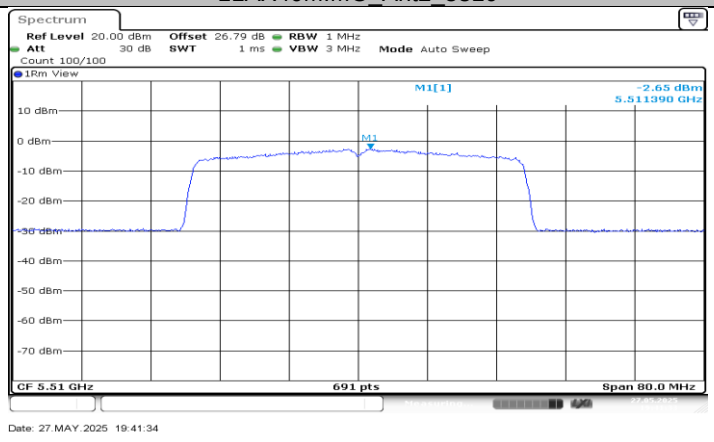
11AX40MIMO_Ant2_5270



11AX40MIMO_Ant1_5310



11AX40MIMO_Ant2_5310



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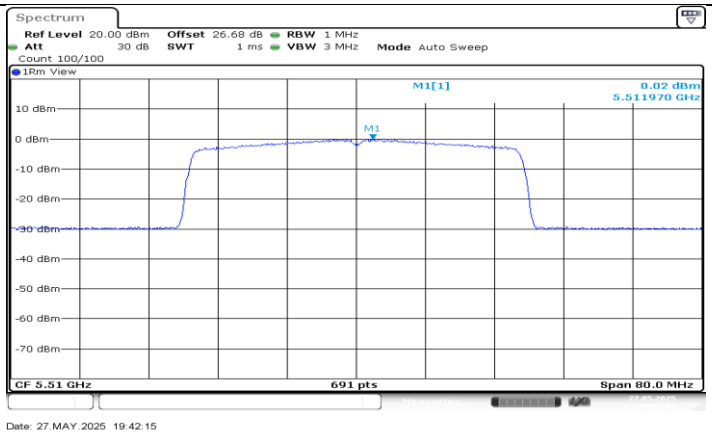

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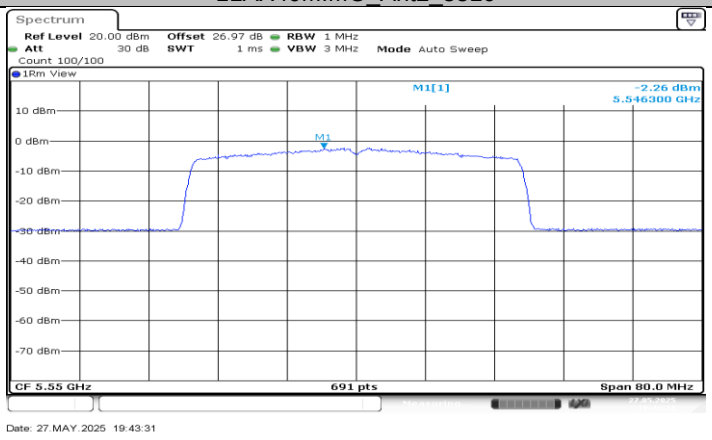
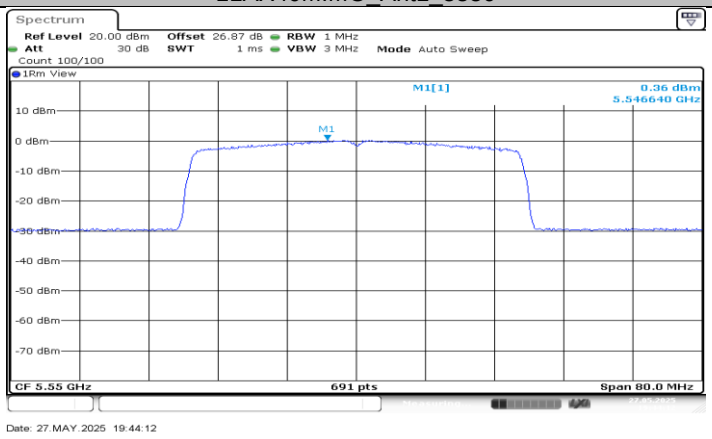
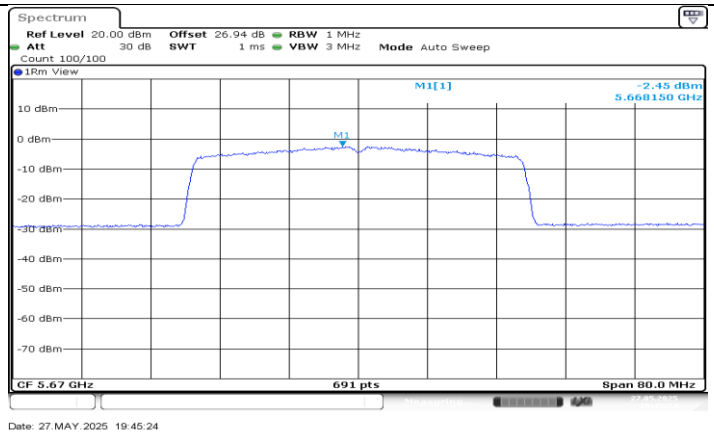


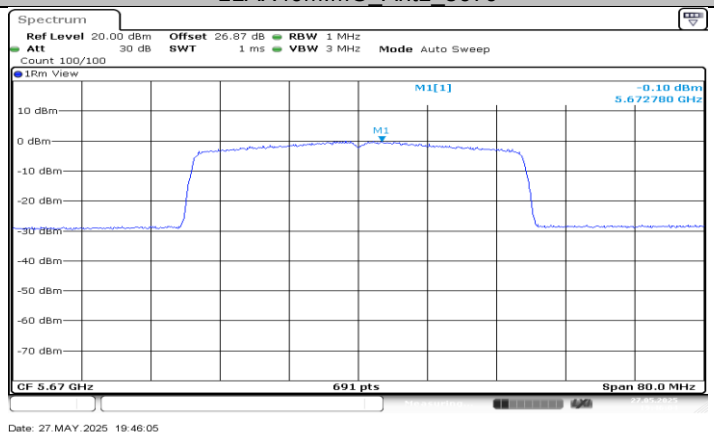
11AX40MIMO_Ant1_5550



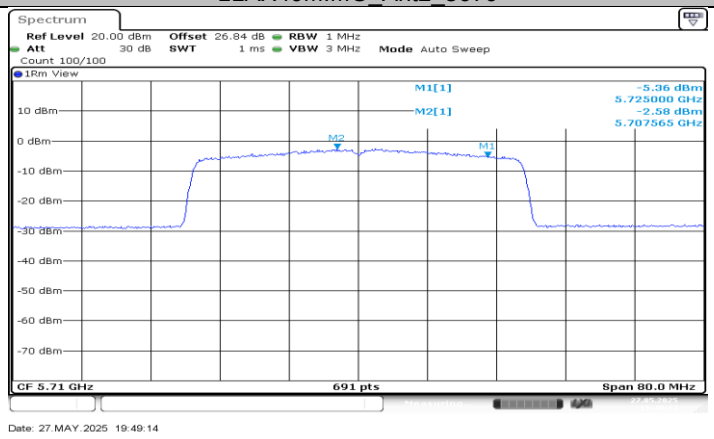
11AX40MIMO_Ant2_5550



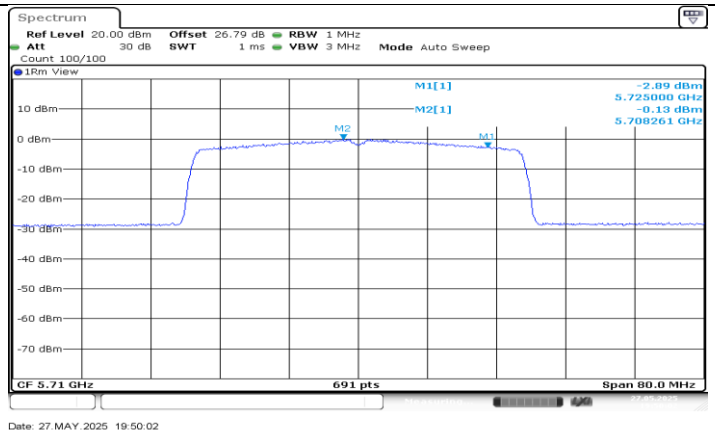
11AX40MIMO_Ant1_5670



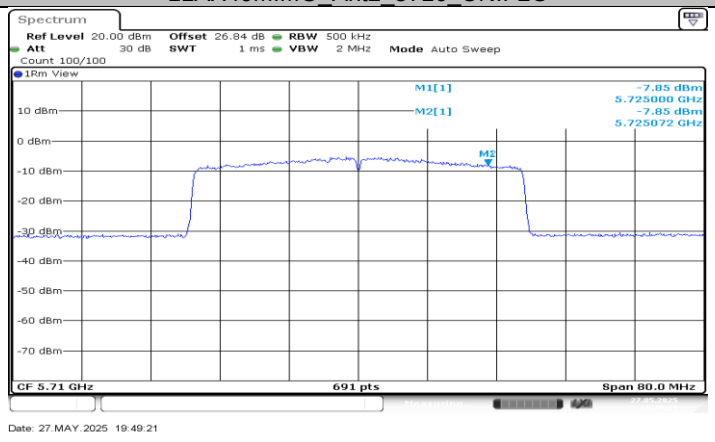
11AX40MIMO_Ant2_5670



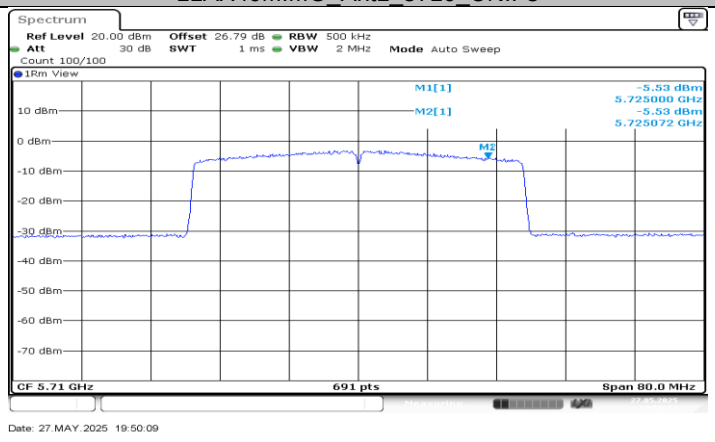
11AX40MIMO_Ant1_5710_UNII-2C



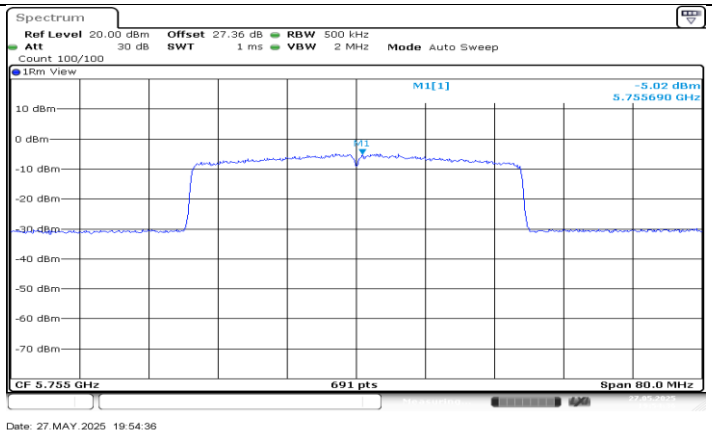
11AX40MIMO_Ant2_5710_UNII-2C



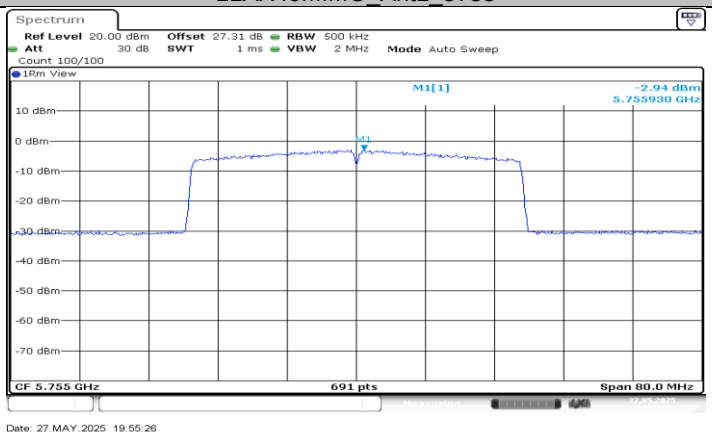
11AX40MIMO_Ant1_5710_UNII-3



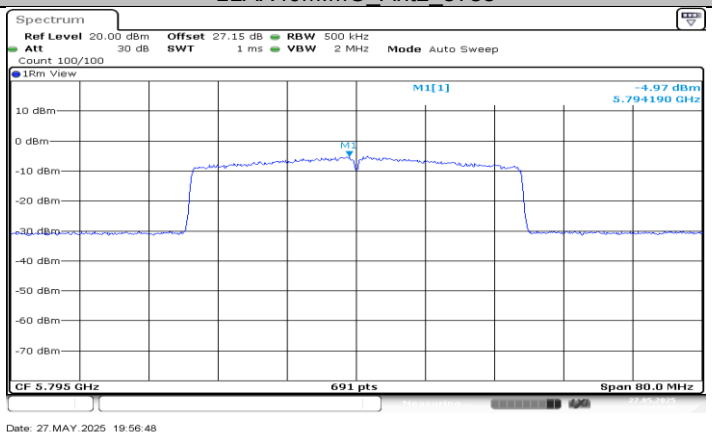
11AX40MIMO_Ant2_5710_UNII-3



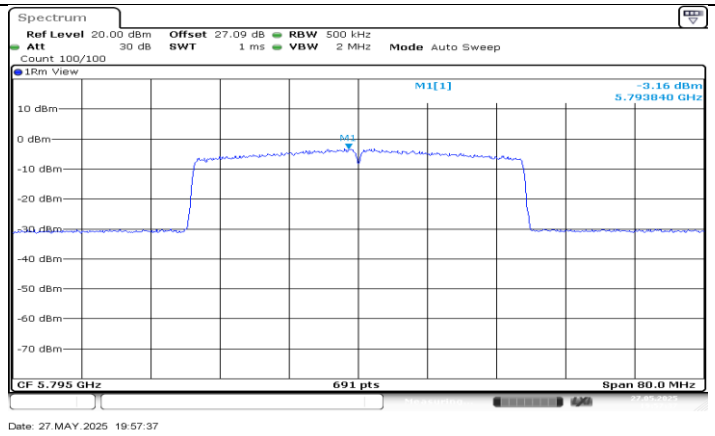
11AX40MIMO_Ant1_5755



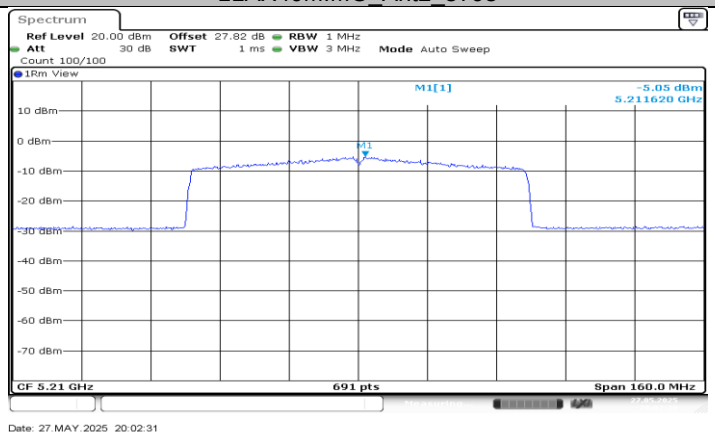
11AX40MIMO_Ant2_5755



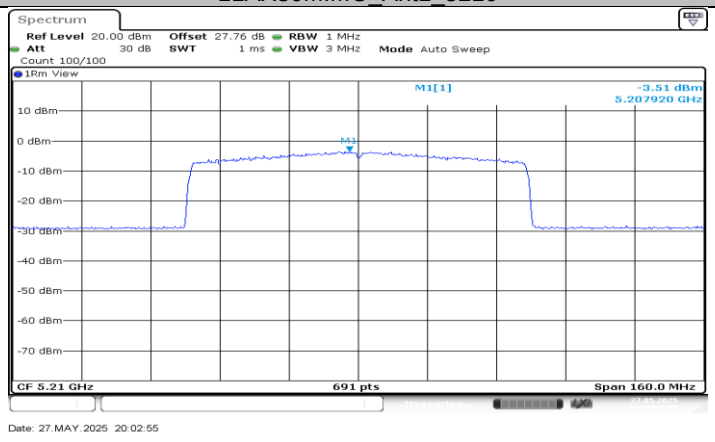
11AX40MIMO_Ant1_5795



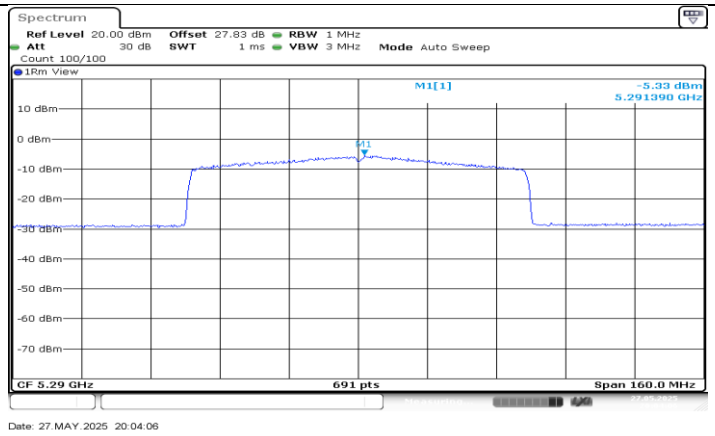
11AX40MIMO_Ant2_5795



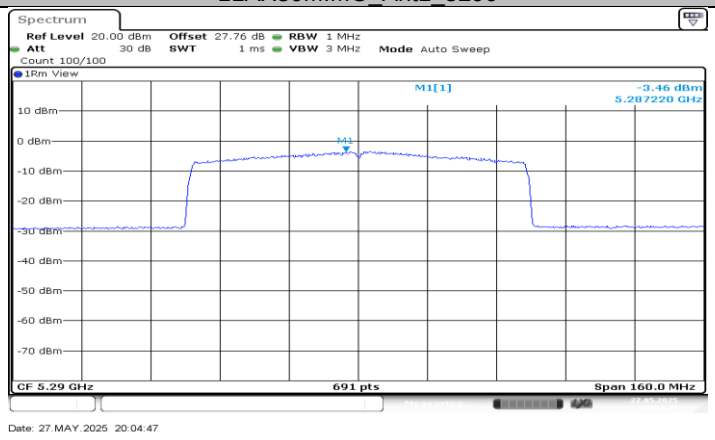
11AX80MIMO_Ant1_5210



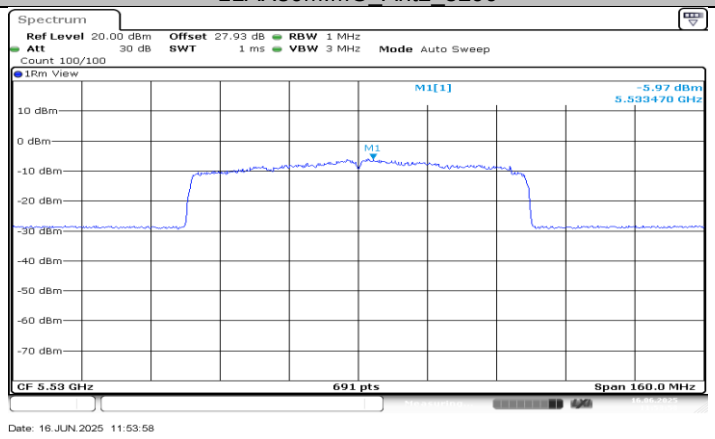
11AX80MIMO_Ant2_5210



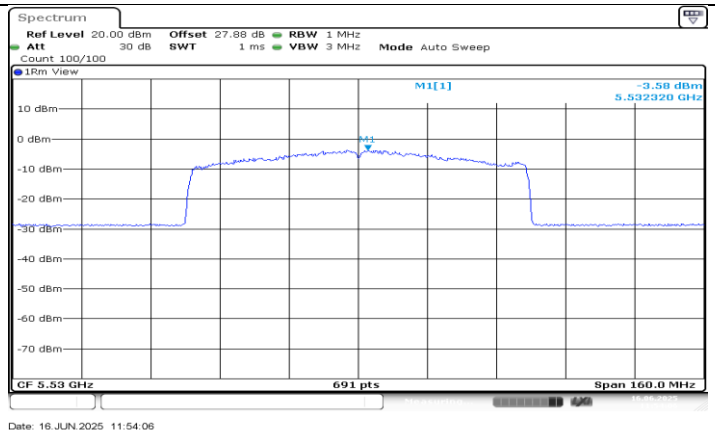
11AX80MIMO_Ant1_5290



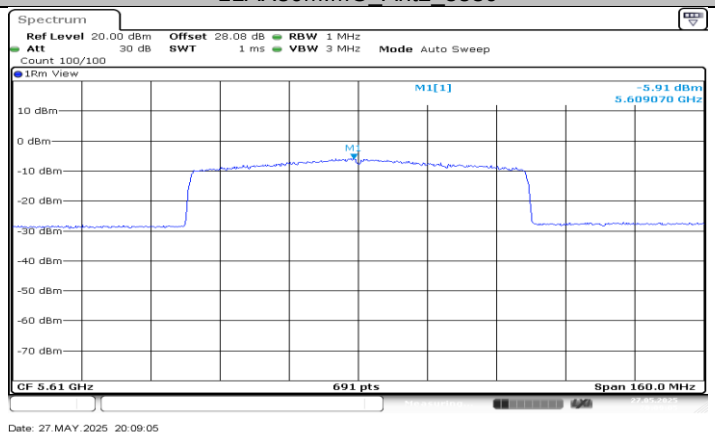
11AX80MIMO_Ant2_5290



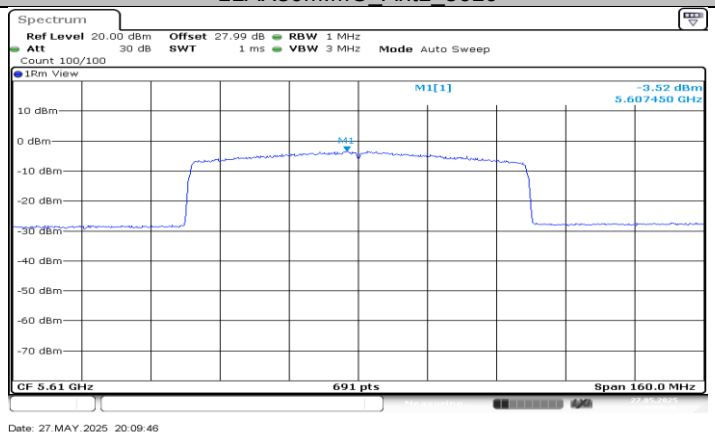
11AX80MIMO_Ant1_5530



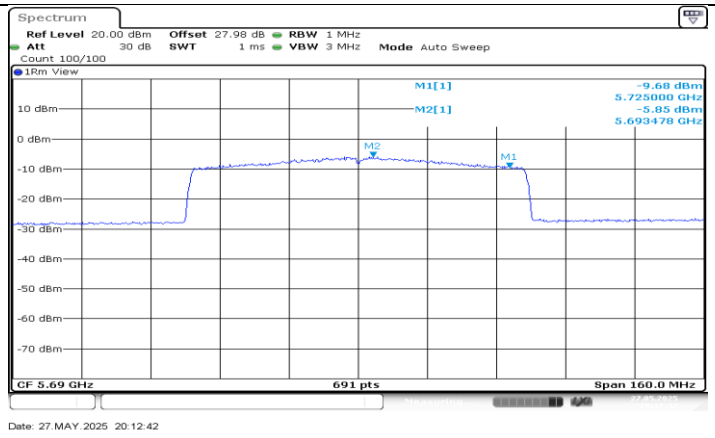
11AX80MIMO_Ant2_5530



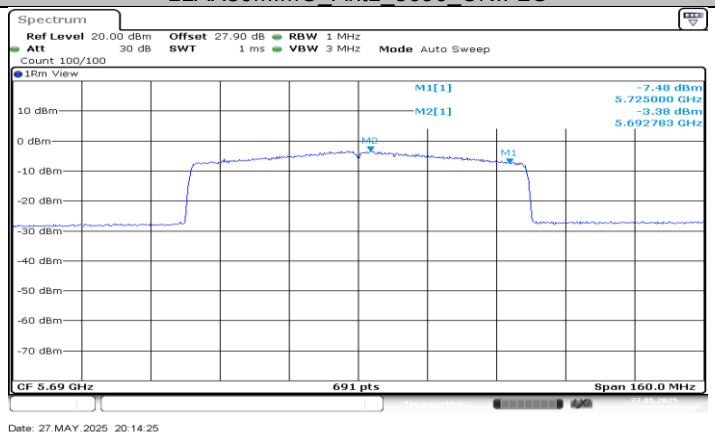
11AX80MIMO_Ant1_5610



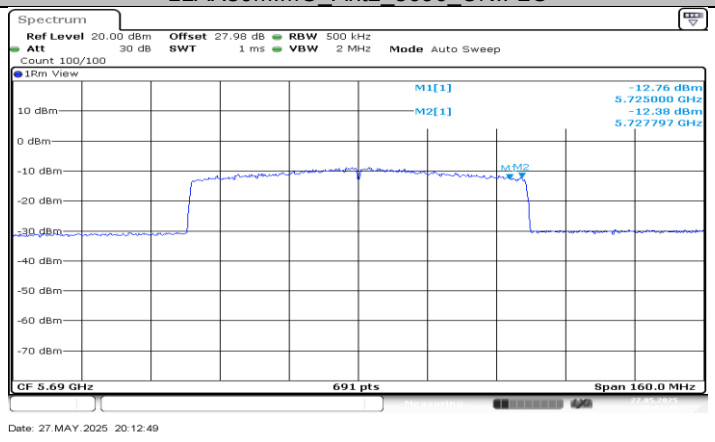
11AX80MIMO_Ant2_5610



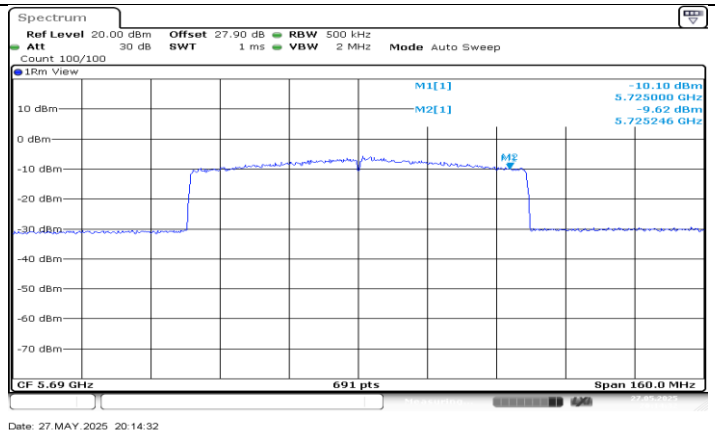
11AX80MIMO_Ant1_5690_UNII-2C



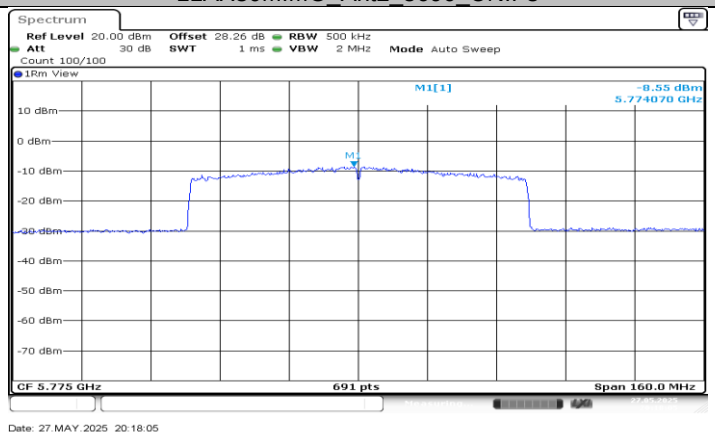
11AX80MIMO_Ant2_5690_UNII-2C



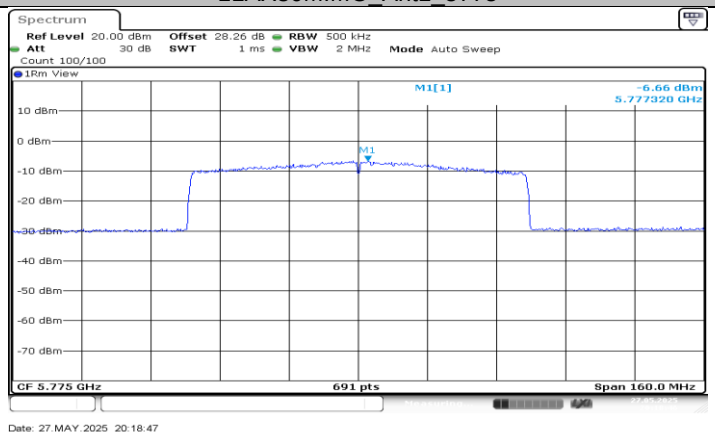
11AX80MIMO_Ant1_5690_UNII-3



11AX80MIMO_Ant2_5690_UNII-3



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5180MHz									
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	5179.9889	-2.14	5179.9843	-3.03	5180.0143	2.76	5180.0045	0.87
TN	VN	5180.0167	3.22	5180.0001	0.02	5180.0047	0.91	5180.0119	2.30
TN	VH	5180.0129	2.49	5179.9874	-2.43	5179.9850	-2.90	5180.0119	2.30
Frequency Error vs. Temperature									
802.11a:5180MHz									
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	5179.9909	-1.76	5179.9840	-3.09	5180.0209	4.03	5180.0159	3.07
60	VN	5179.9813	-3.61	5179.9771	-4.42	5179.9791	-4.03	5180.0143	2.76
50	VN	5179.9860	-2.70	5179.9800	-3.86	5180.0212	4.09	5180.0142	2.74
40	VN	5179.9973	-0.52	5180.0051	0.98	5180.0240	4.63	5180.0213	4.11
30	VN	5179.9988	-0.23	5180.0004	0.08	5179.9789	-4.07	5180.0250	4.83
20	VN	5179.9978	-0.42	5180.0191	3.69	5179.9979	-0.41	5180.0095	1.83
10	VN	5179.9971	-0.56	5179.9797	-3.92	5180.0212	4.09	5179.9953	-0.91
0	VN	5179.9823	-3.42	5180.0128	2.47	5179.9780	-4.25	5179.9800	-3.86

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.

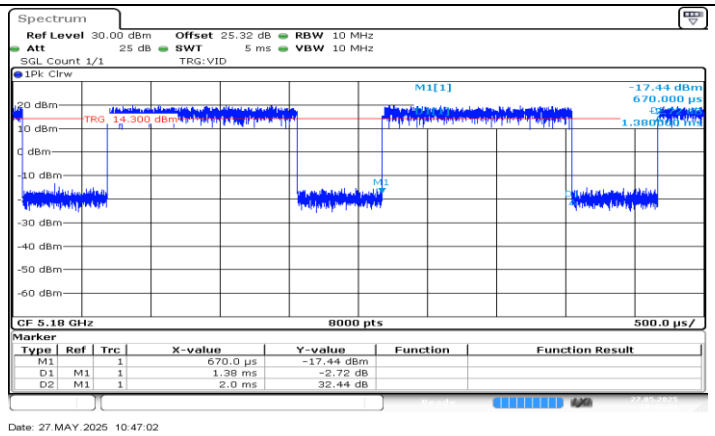
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

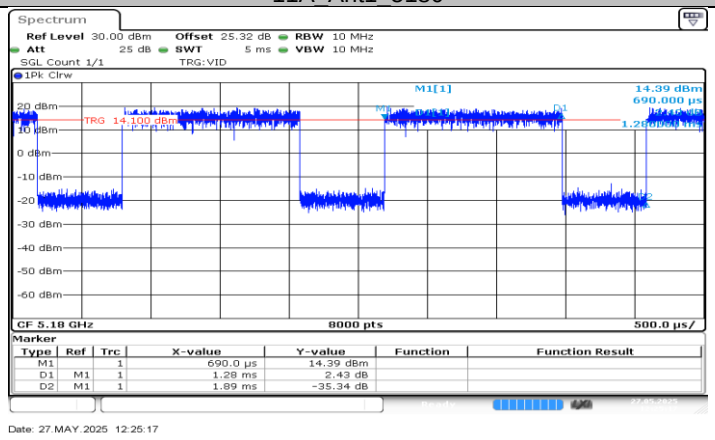
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A	1.38	2.00	0.6900	69.00	1.61	0.72	1
11N20MIMO	1.28	1.89	0.6772	67.72	1.69	0.78	1
11N40MIMO	0.64	1.26	0.5079	50.79	2.94	1.56	2
11AC80MIMO	1.15	1.87	0.6150	61.50	2.11	0.87	1
11AX20MIMO	3.87	4.59	0.8431	84.31	0.74	0.26	1
11AX40MIMO	1.96	2.68	0.7313	73.13	1.36	0.51	1
11AX80MIMO	0.97	1.7	0.5706	57.06	2.44	1.03	2

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.

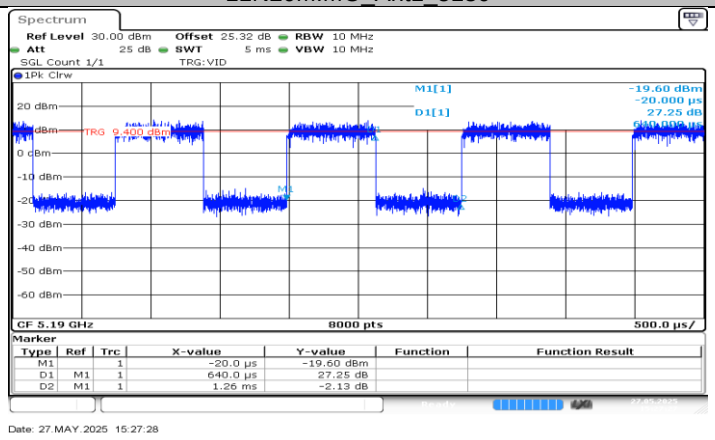
11.7.2. Test Graphs



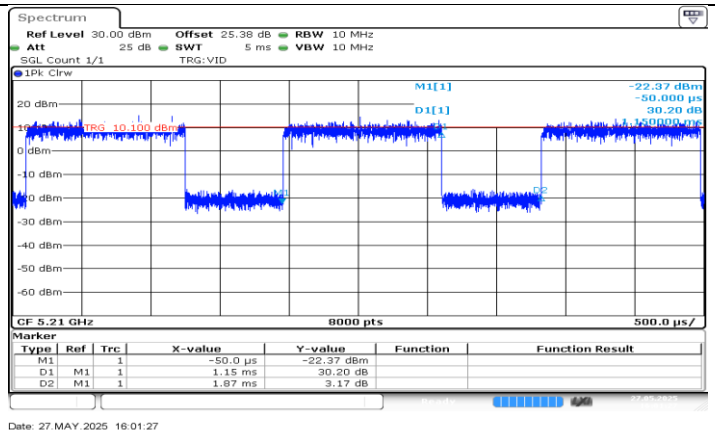
11A_Ant1_5180



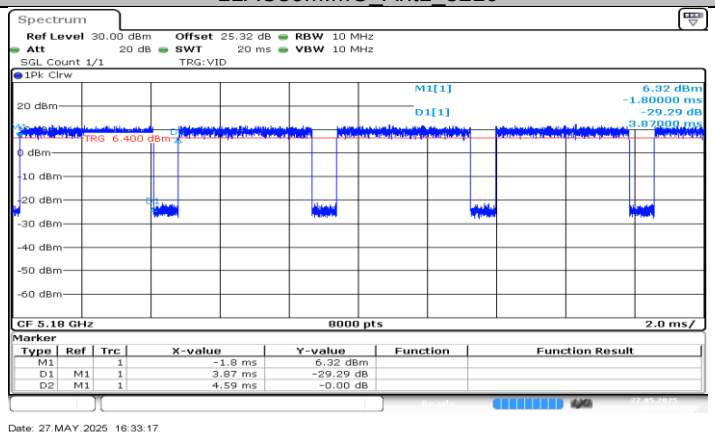
11N20MIMO_Ant1_5180



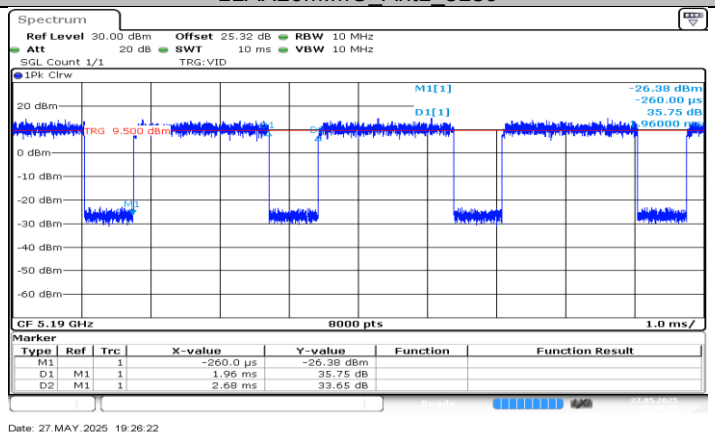
11N40MIMO_Ant1_5190



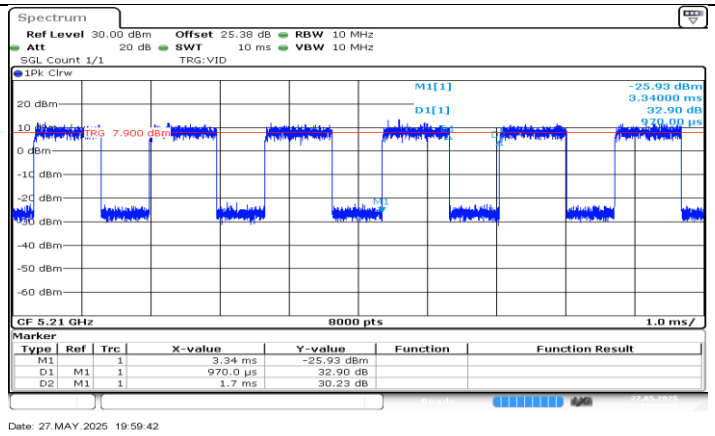
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180



11AX40MIMO_Ant1_5190



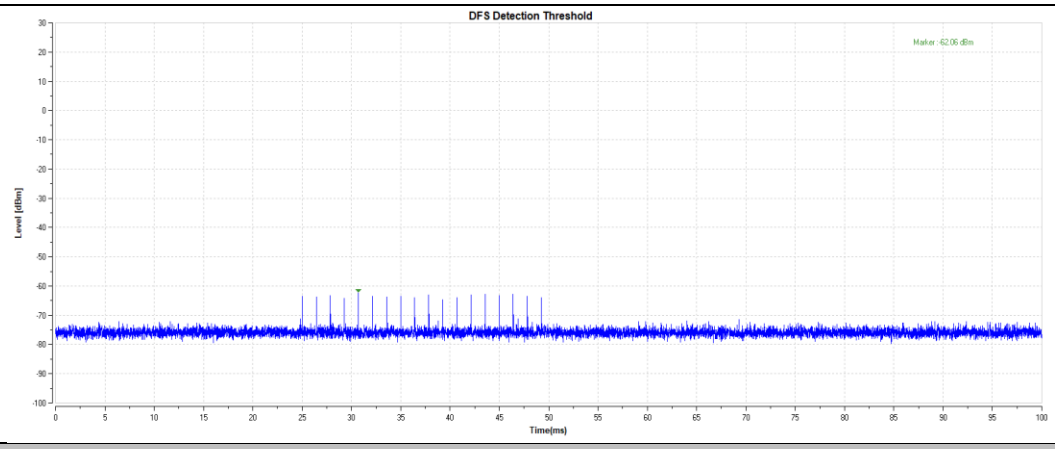
11AX80MIMO_Ant1_5210

11.8. APPENDIX H: DFS

11.8.1. DFS Detection Thresholds

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AX80MIMO	5530	Type0	-62.06	-62.00	PASS

Note: All the modes were tested, the report only shows the worst case.

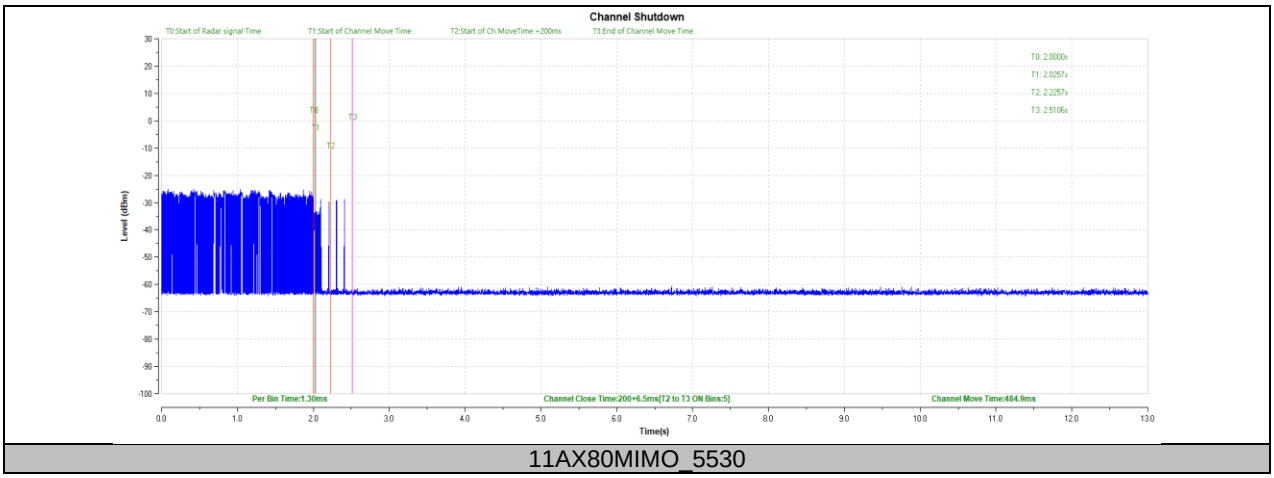


11AX80MIMO_5530_Type0

11.8.2. Channel Move Time and Channel Closing Transmission Time

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX80MIMO	5530	200+6.5	200+60	484.9	10000	PASS

Note: All the modes were tested, the report only shows the worst case.

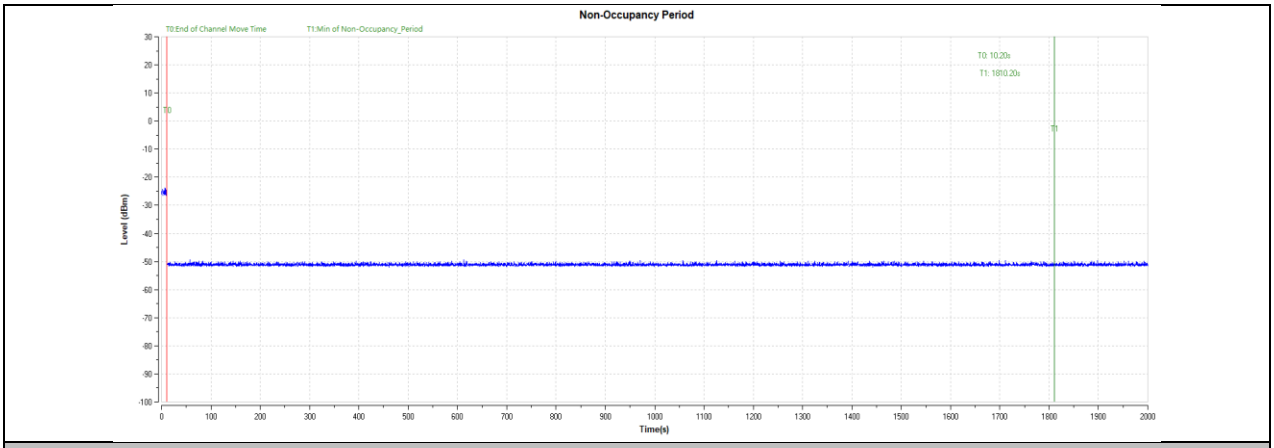


11AX80MIMO_5530

11.8.3. Appendix E: Non-Occupancy Period

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

Note: All the modes were tested, the report only shows the worst case.



11AX80MIMO_5530

END OF REPORT