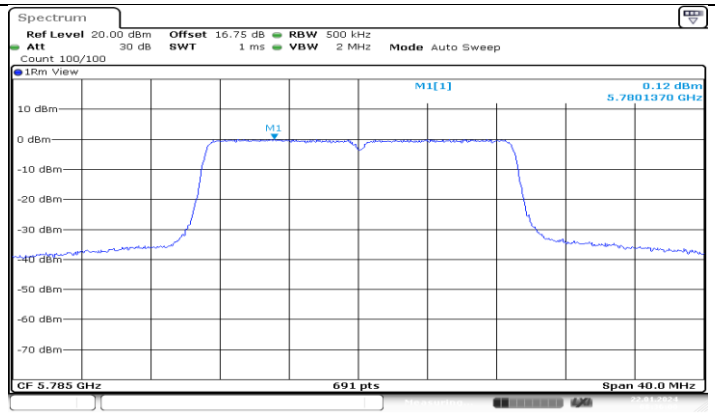

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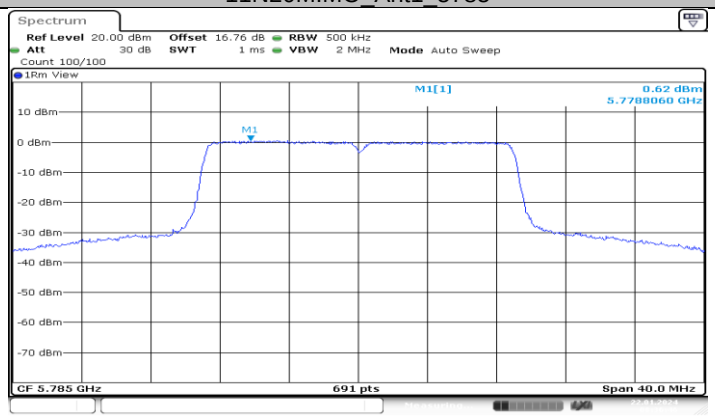

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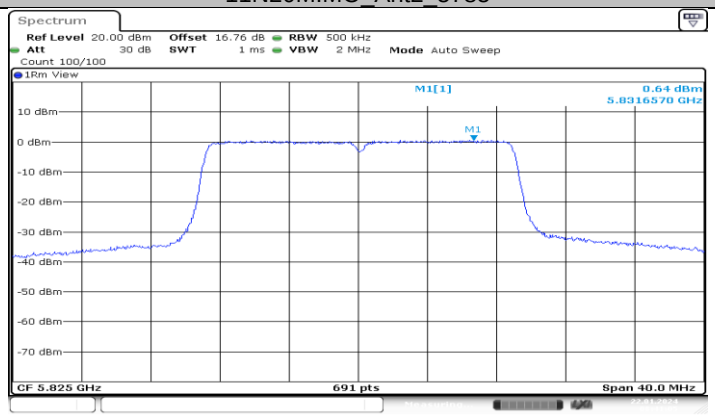

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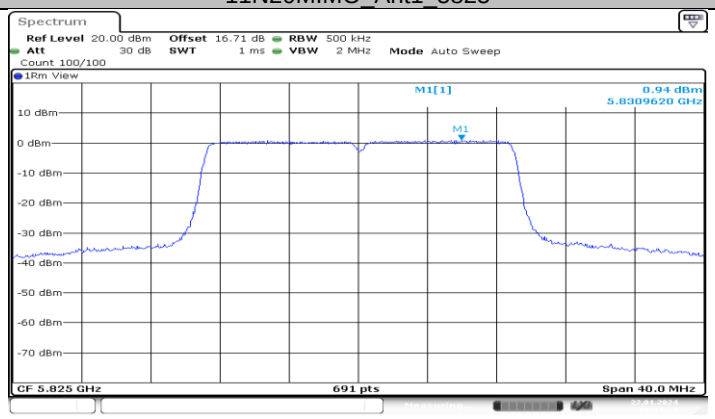

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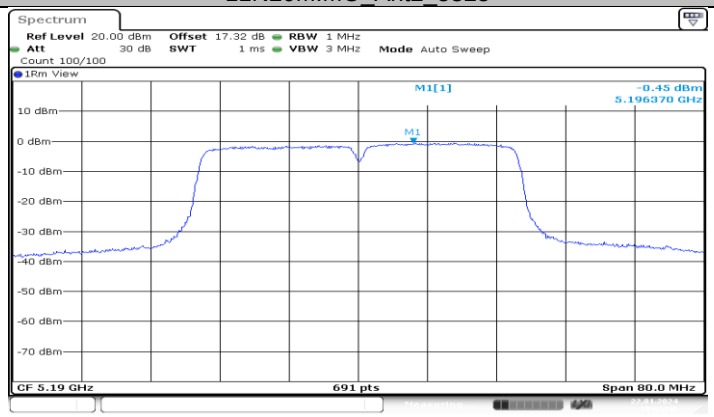

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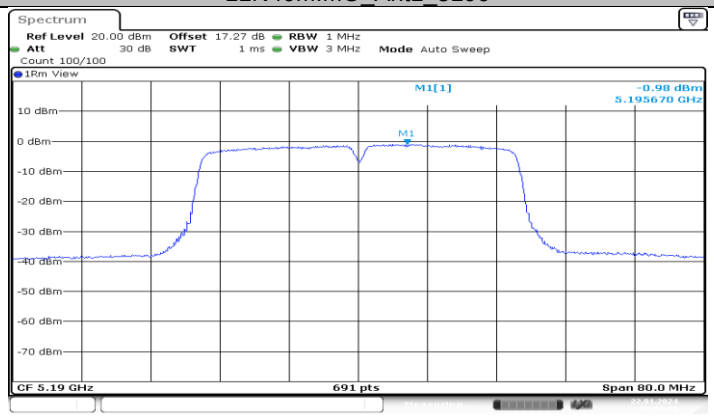

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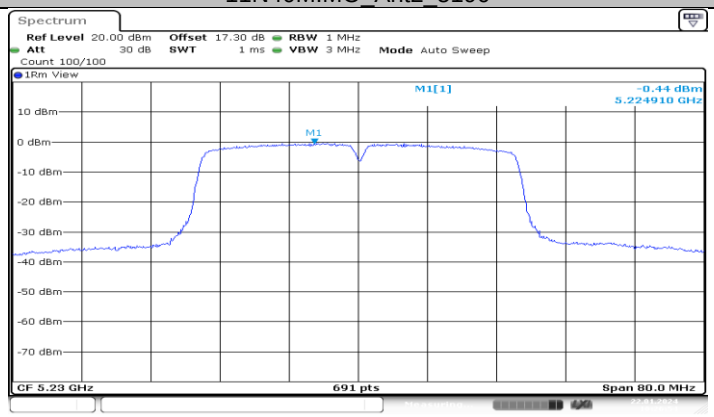

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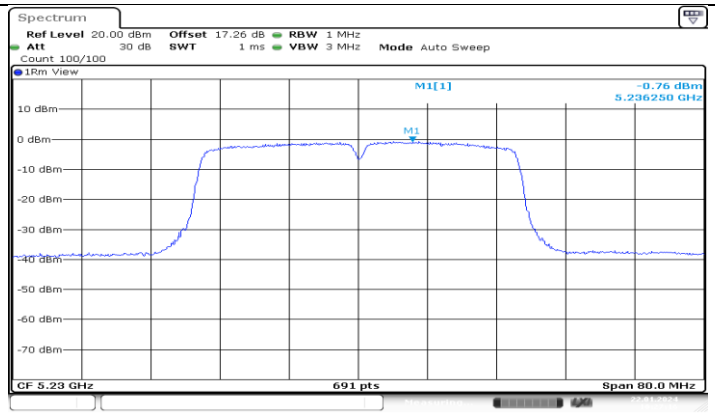

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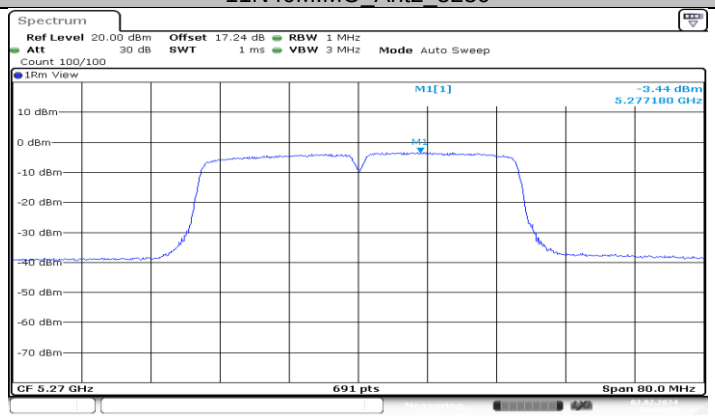

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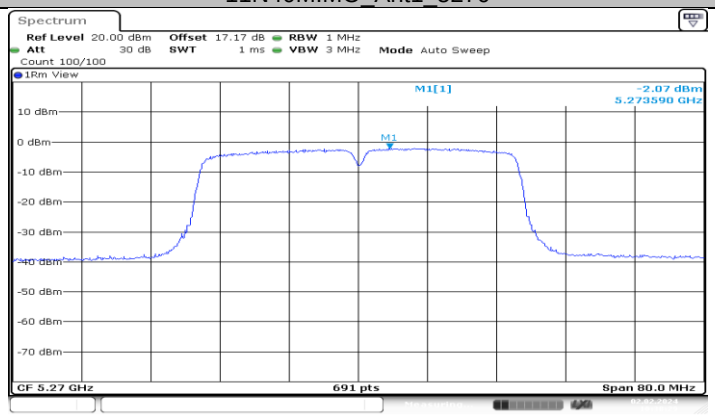

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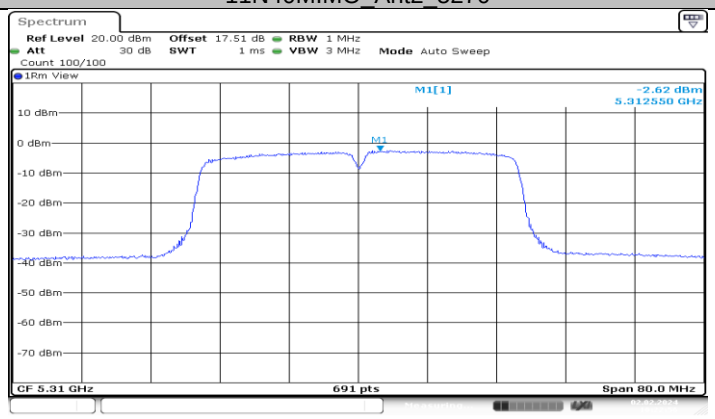

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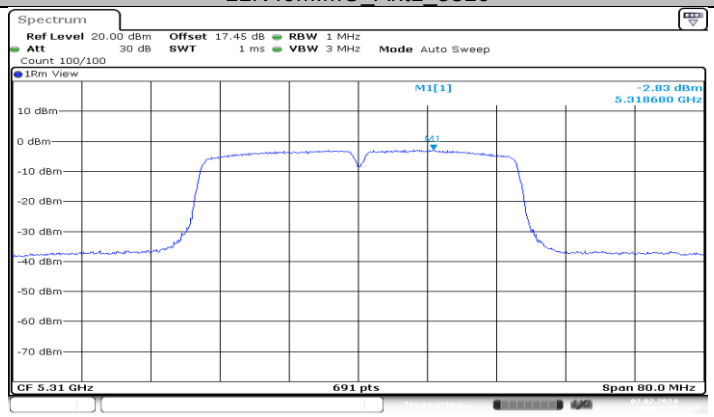

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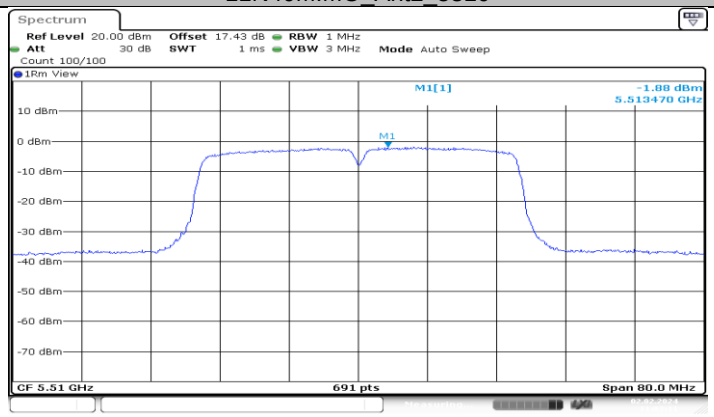

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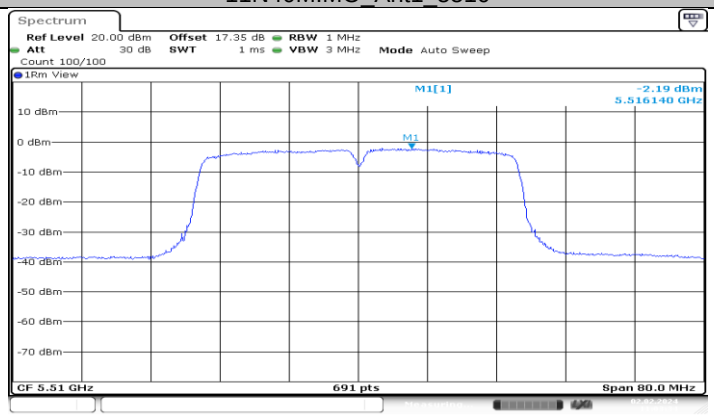

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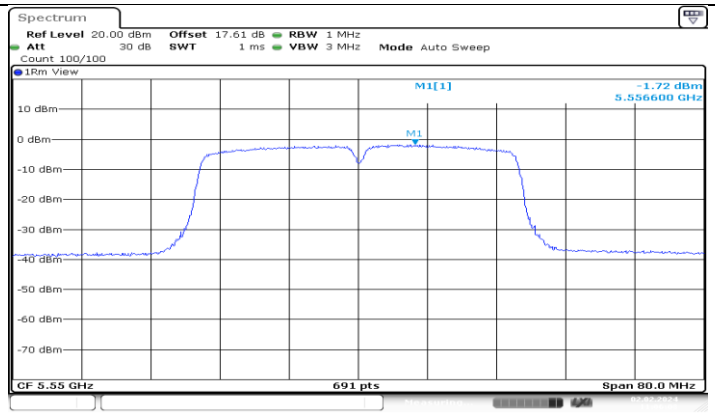

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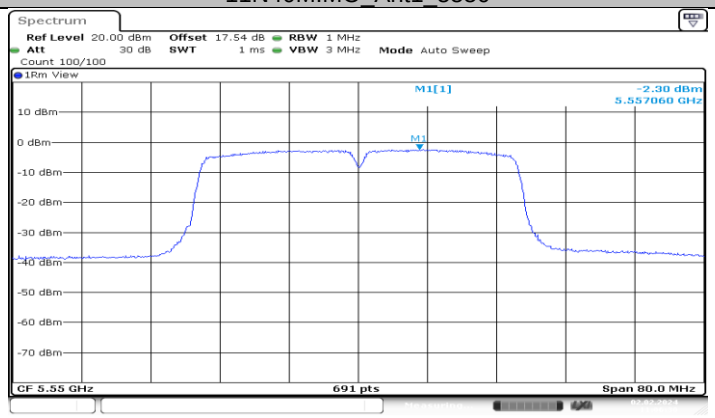

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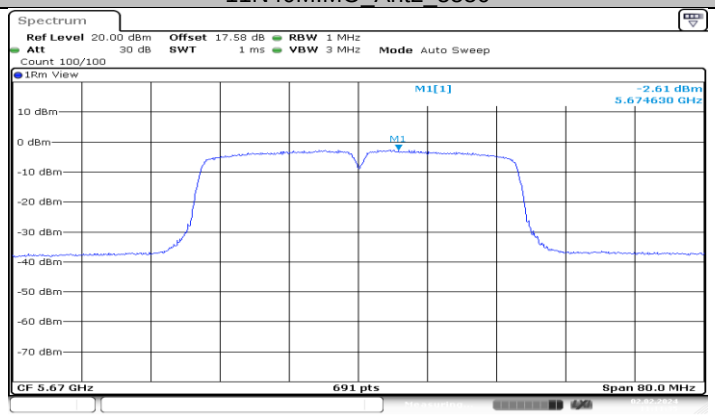

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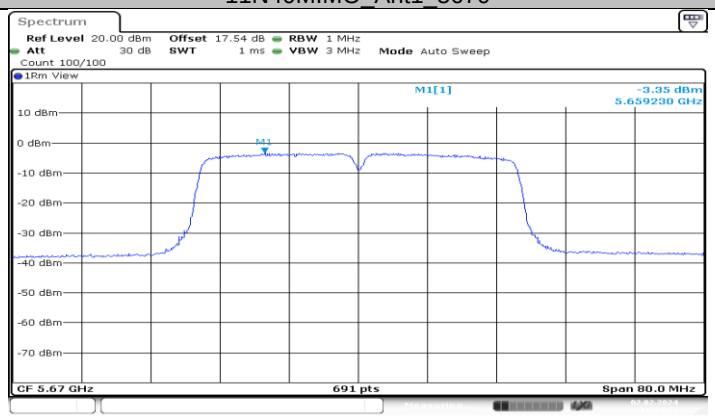

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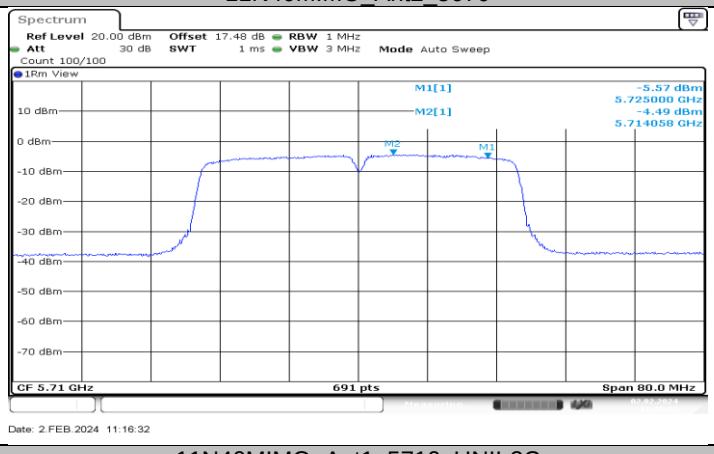
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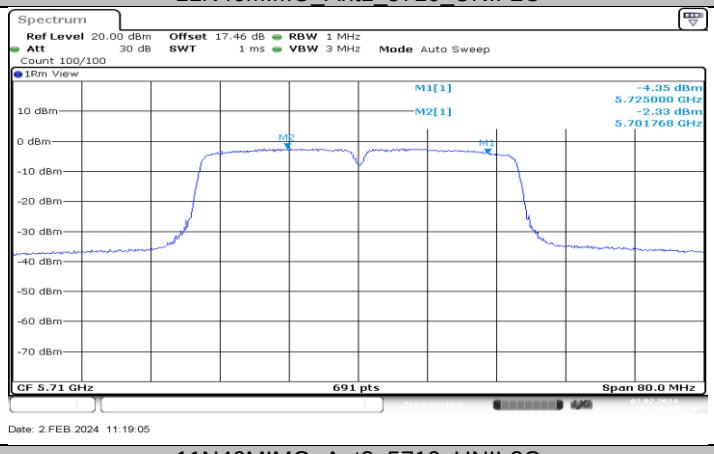
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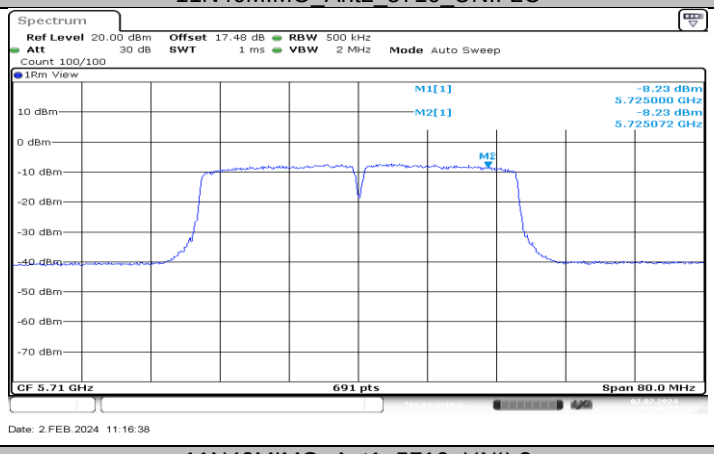
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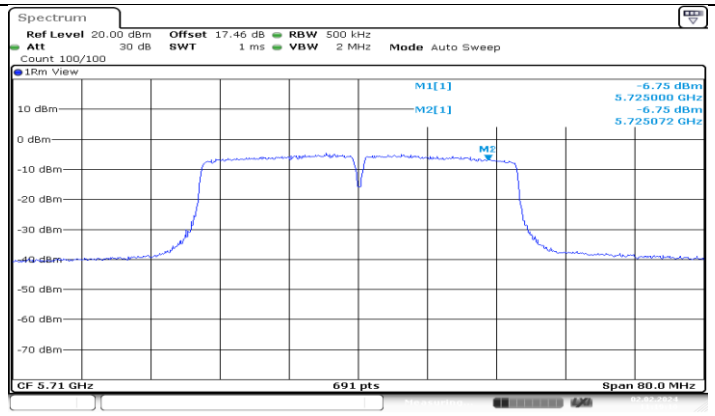

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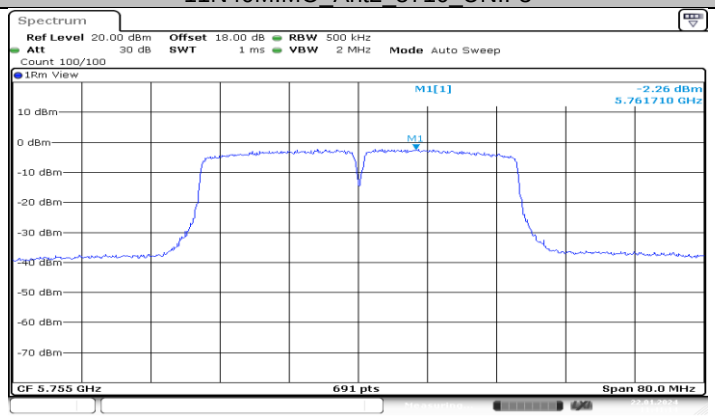

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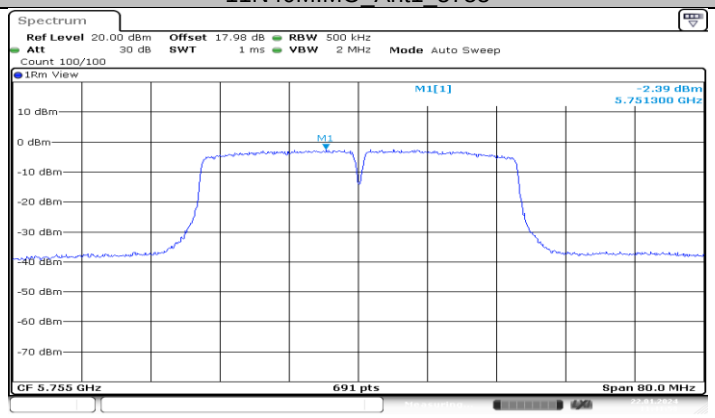

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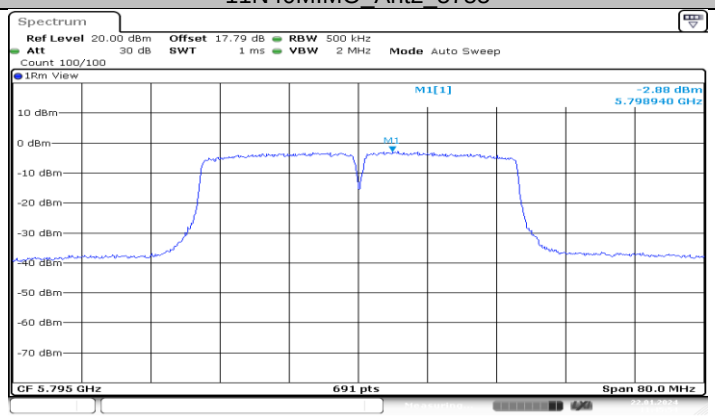

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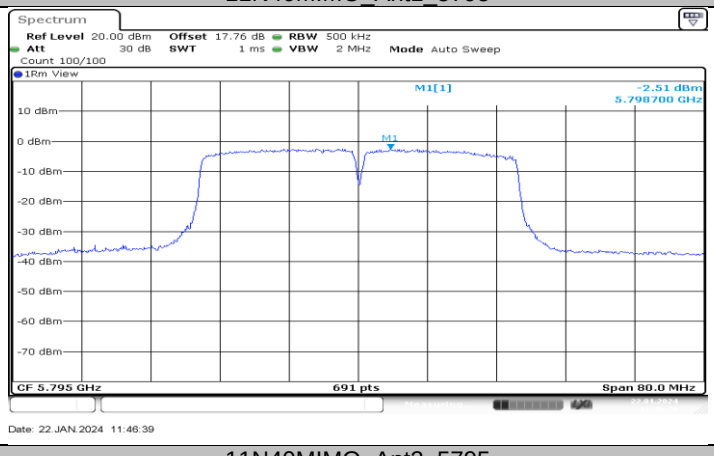

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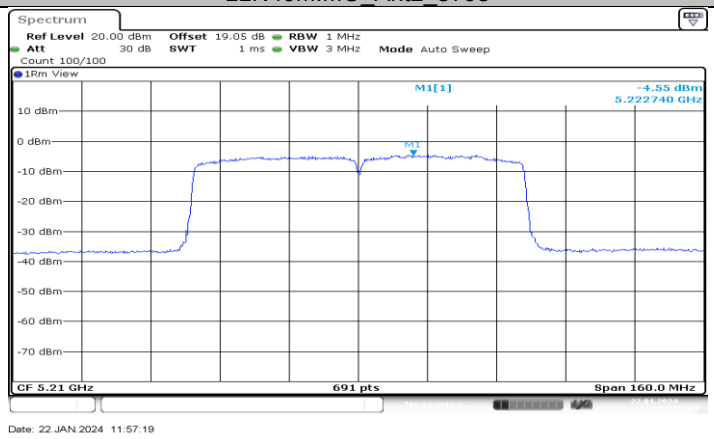

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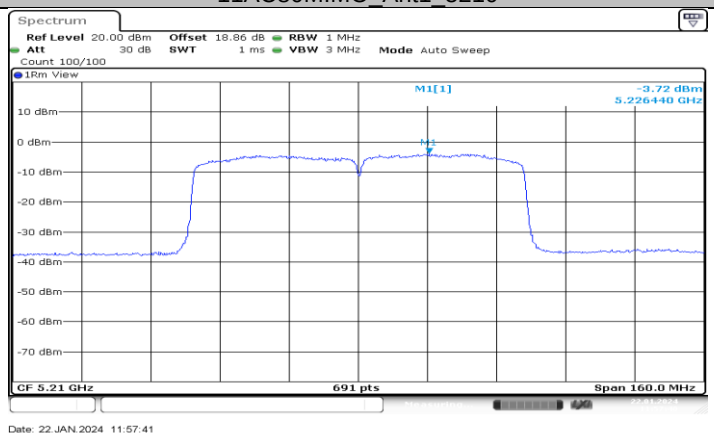

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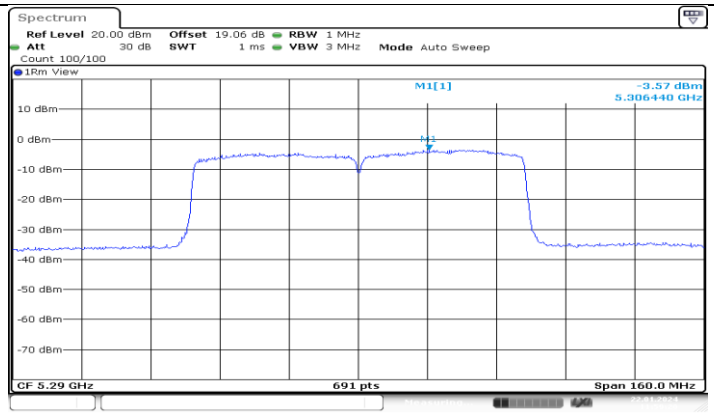

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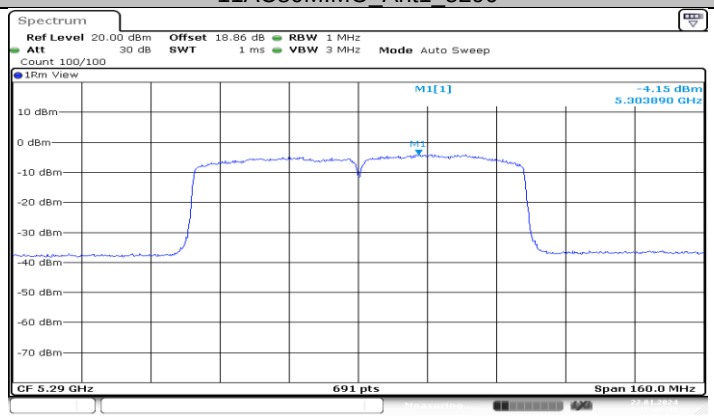

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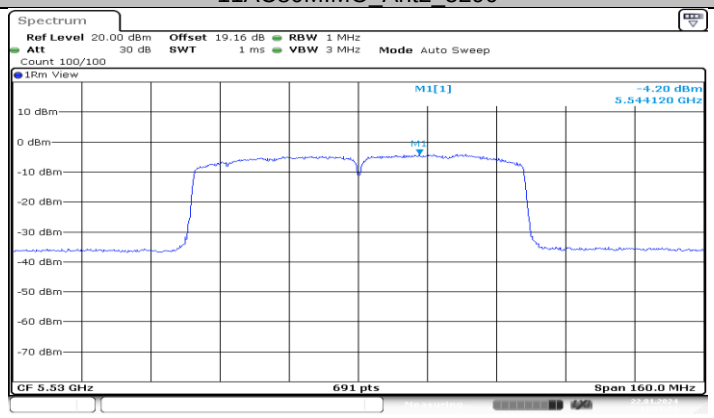

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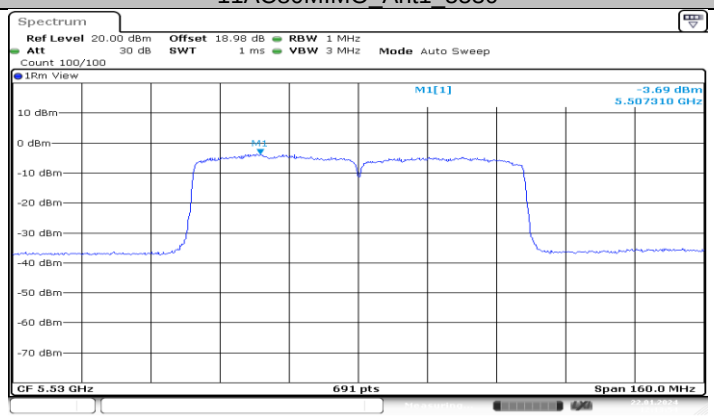

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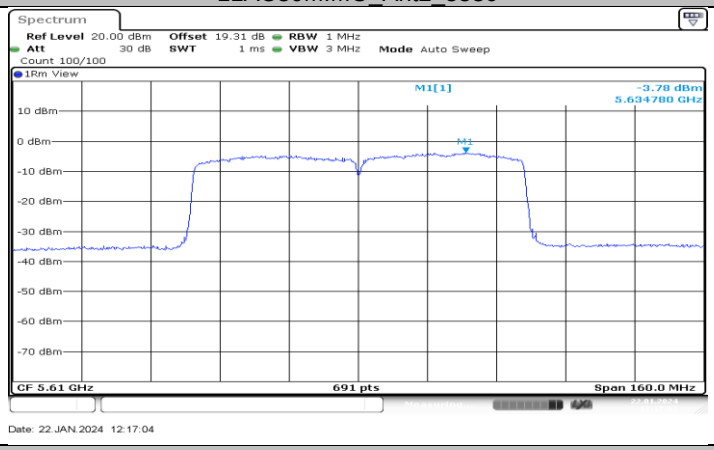
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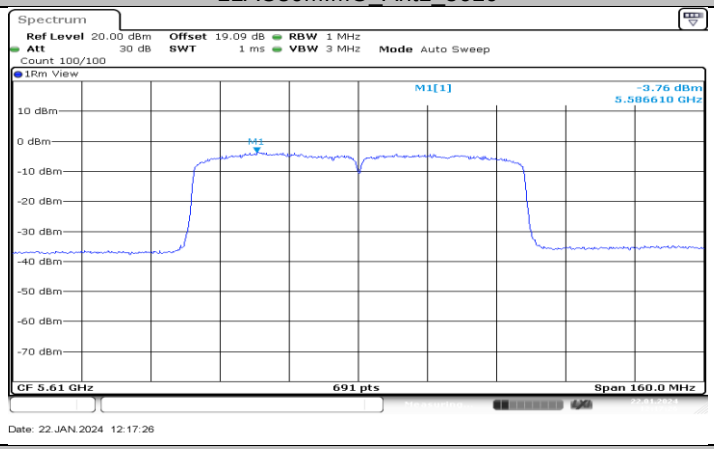
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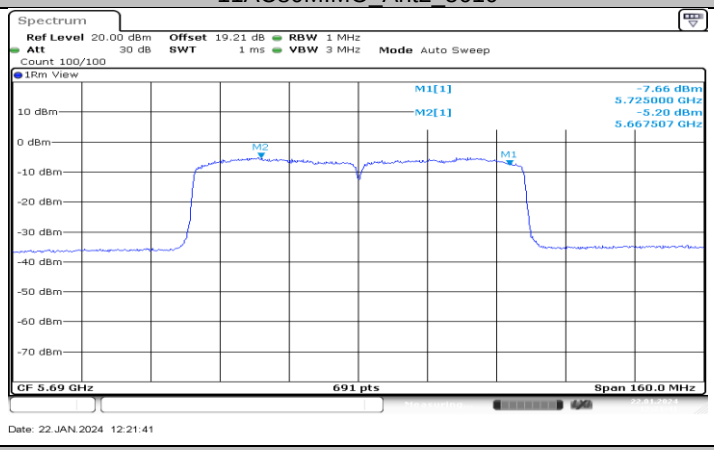
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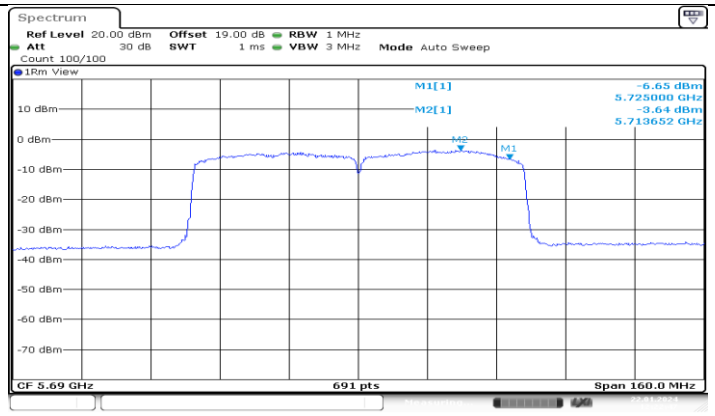

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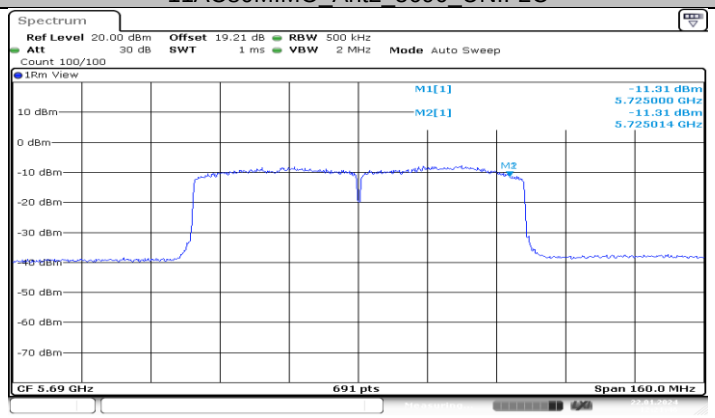

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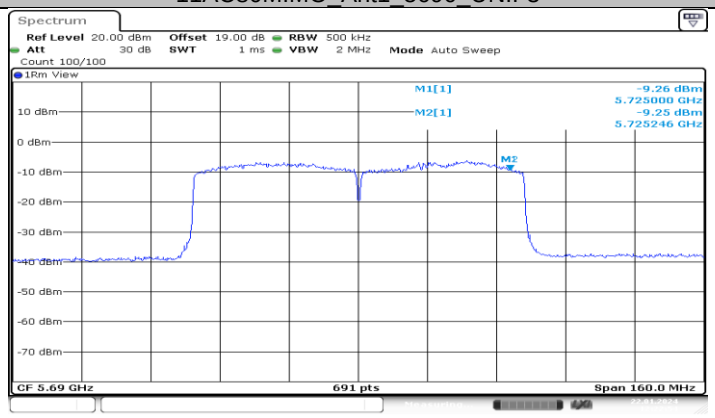

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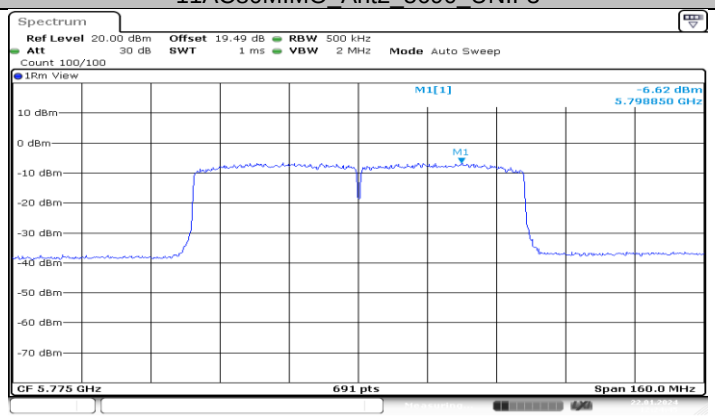

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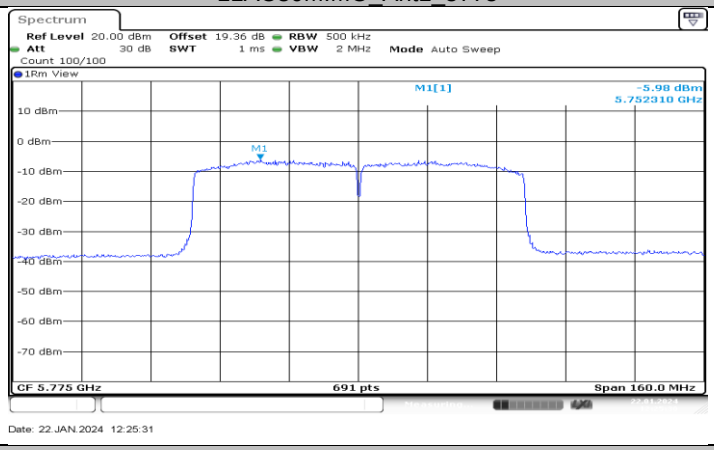
11AC80MIMO_Ant2_5775

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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	5199.9872	-2.46	5200.0097	1.87	5199.9881	-2.28	5200.0124	2.39
TN	VN	5199.9801	-3.82	5200.0238	4.57	5200.0153	2.94	5200.0094	1.81
TN	VH	5199.9947	-1.02	5200.0031	0.60	5200.0088	1.69	5200.0189	3.63
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	5200.0115	2.20	5199.9751	-4.79	5199.9784	-4.15	5199.9764	-4.53
60	VN	5200.0136	2.61	5200.0206	3.95	5199.9828	-3.30	5200.0202	3.88
50	VN	5199.9812	-3.61	5199.9840	-3.07	5199.9909	-1.75	5200.0201	3.87
40	VN	5200.0019	0.36	5199.9805	-3.76	5199.9898	-1.96	5199.9802	-3.81
30	VN	5200.0189	3.63	5200.0218	4.20	5199.9787	-4.09	5199.9946	-1.04
20	VN	5199.9944	-1.07	5200.0181	3.48	5200.0083	1.59	5200.0037	0.72
10	VN	5200.0096	1.85	5200.0114	2.19	5200.0216	4.16	5199.9930	-1.34
0	VN	5199.9847	-2.94	5200.0069	1.33	5199.9823	-3.41	5200.0094	1.81

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.

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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	1.35	1.85	0.7297	72.97	1.37	0.74	1
11N20MIMO	1.26	1.75	0.7200	72.00	1.43	0.79	1
11N40MIMO	0.63	1.12	0.5625	56.25	2.50	1.59	2
11AC80MIMO	0.31	0.81	0.3827	38.27	4.17	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.

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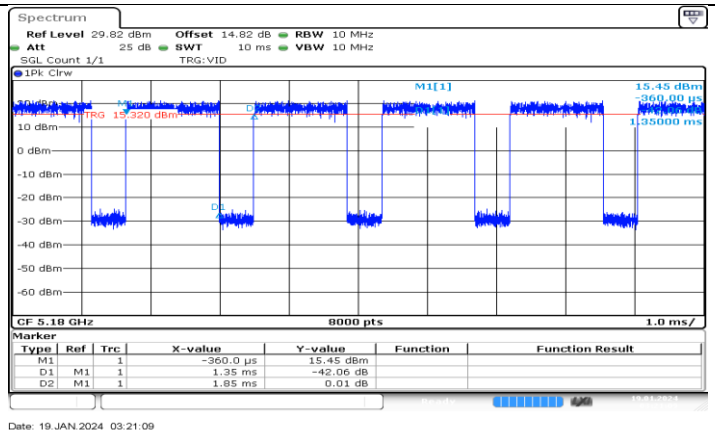
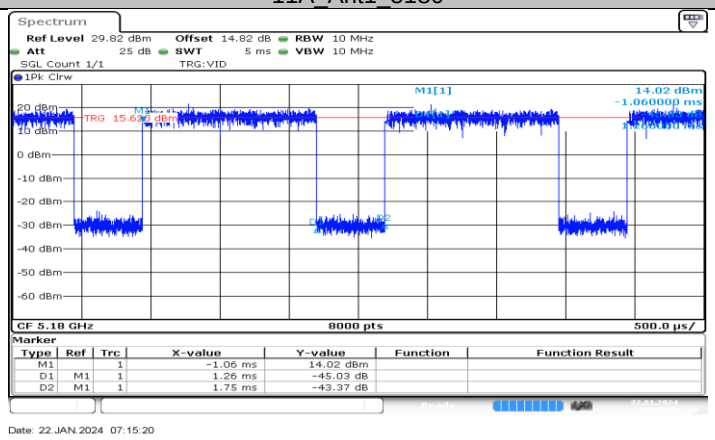
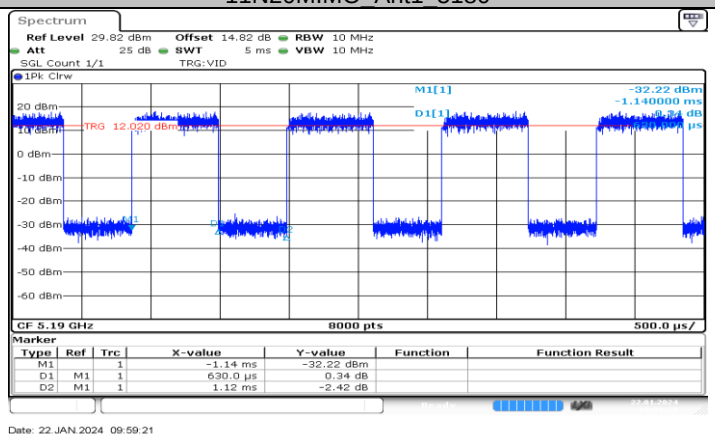
11.7.2. Test Graphs



11A_Ant1_5180



11N20MIMO_Ant1_5180



11N40MIMO_Ant1_5190

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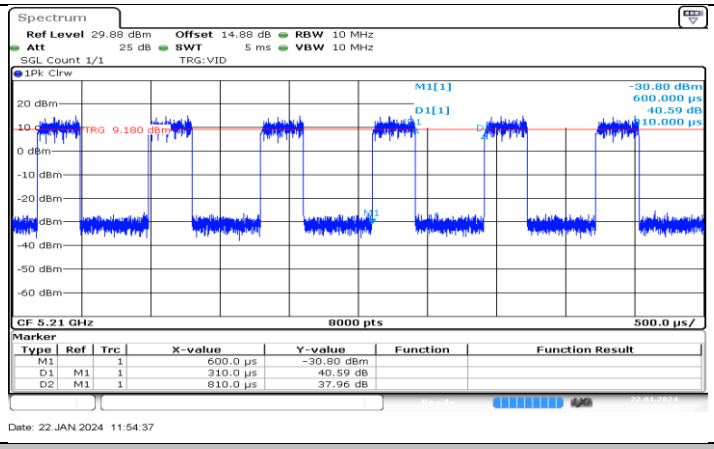

11AC80MIMO_Ant1_5210

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11.8. APPENDIX H: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80MIMO	5530	Type0	-63.04	-62.00	PASS

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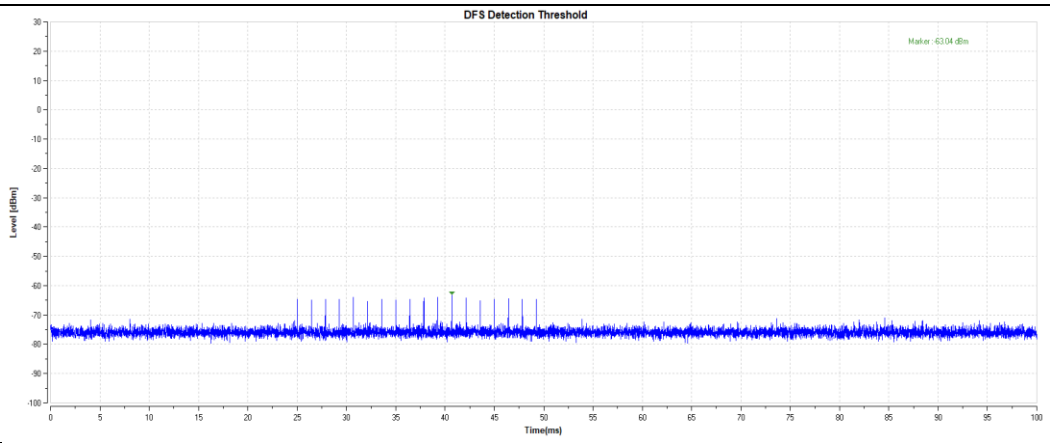
11.8.2. Test Graphs



11AC80MIMO_5530_Type0

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11.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80MIMO	5530	200+3.9	200+60	466.6	10000	PASS

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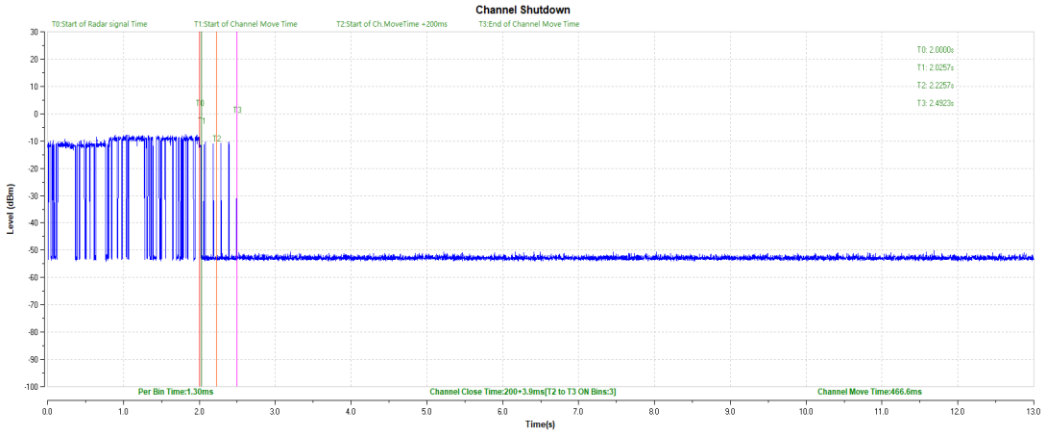
11.9.2. Test Graphs



11AC80MIMO_5530

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11.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

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

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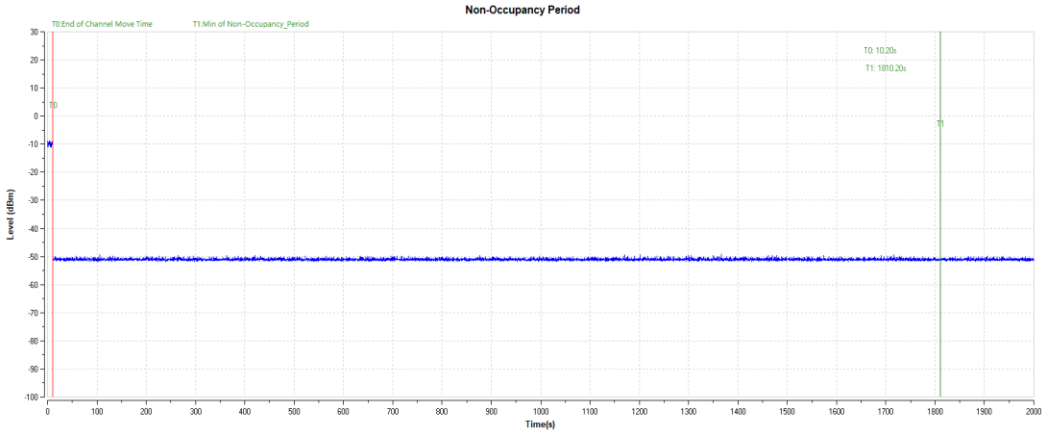
11.10.1. Test Graphs



11AC80MIMO_5530

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