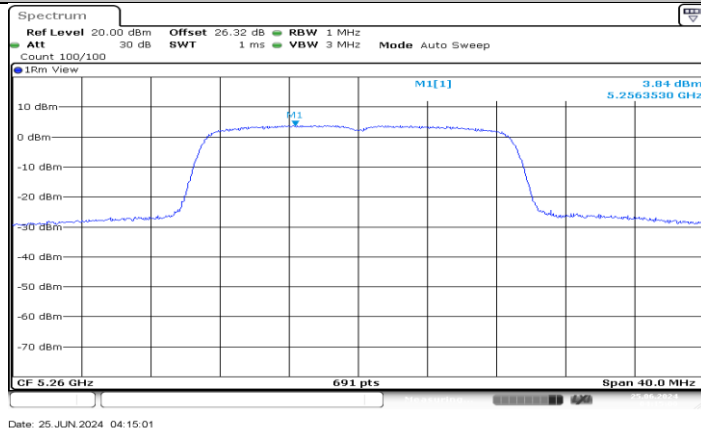
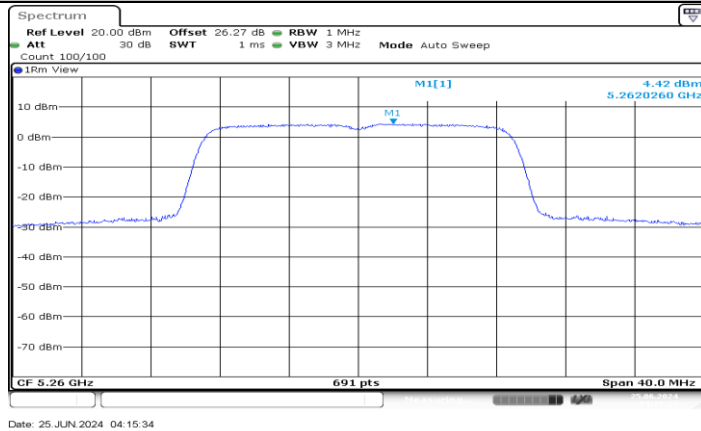


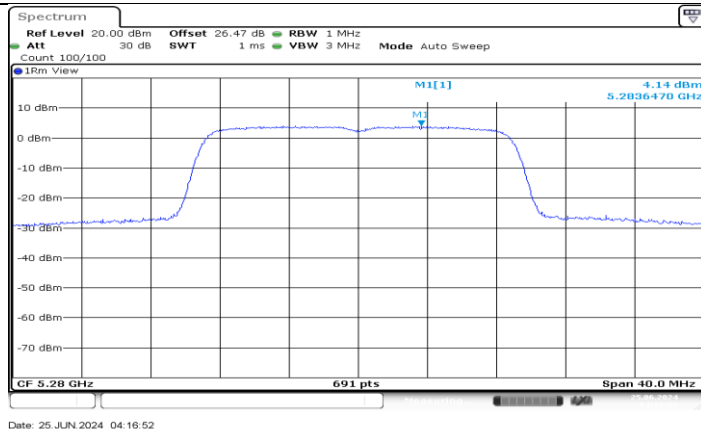
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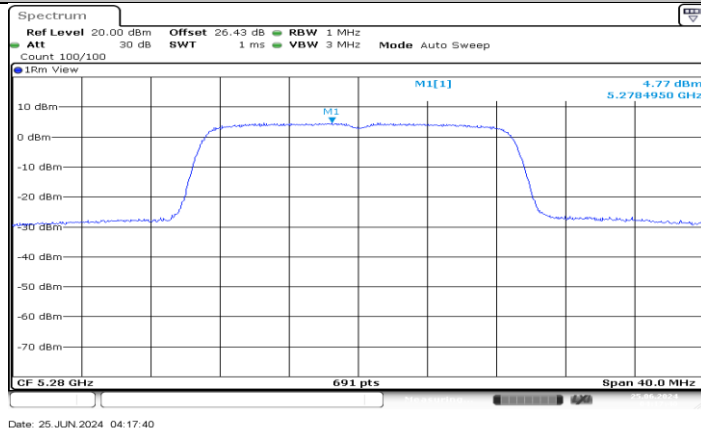
11N20MIMO_Ant1_5260



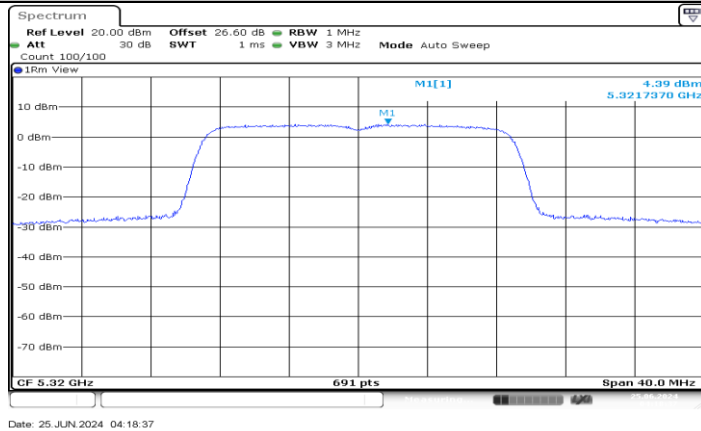
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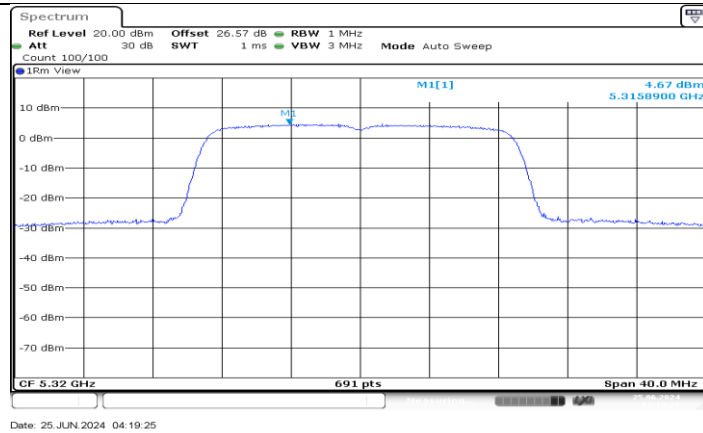
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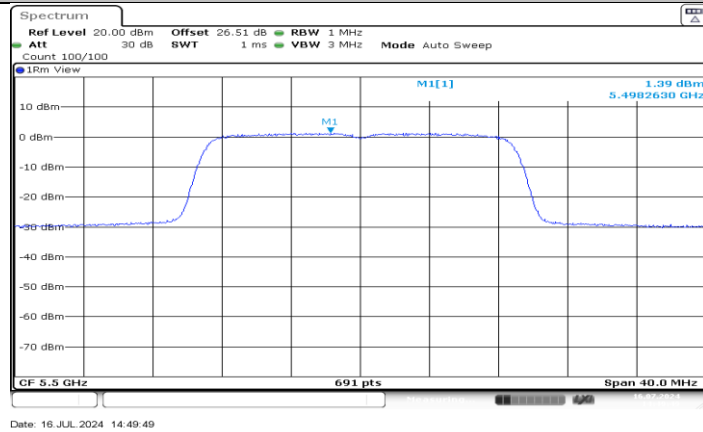
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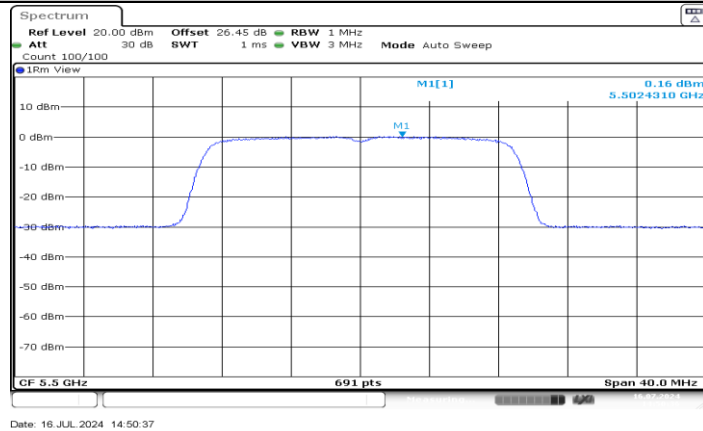
11N20MIMO_Ant1_5320



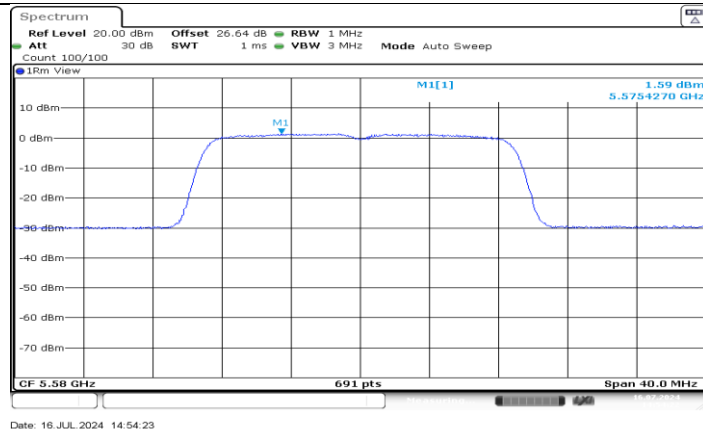
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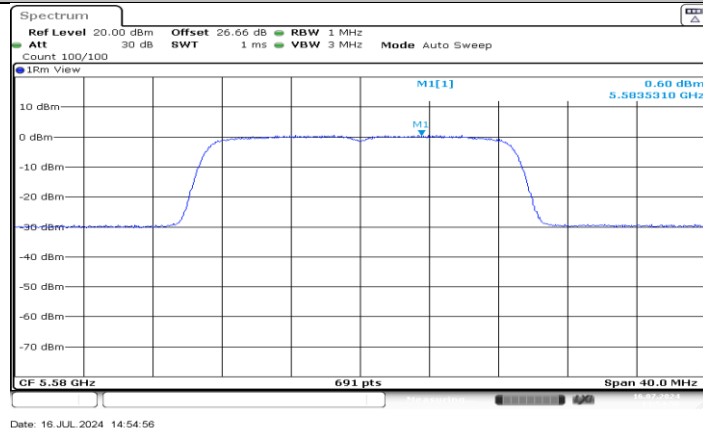
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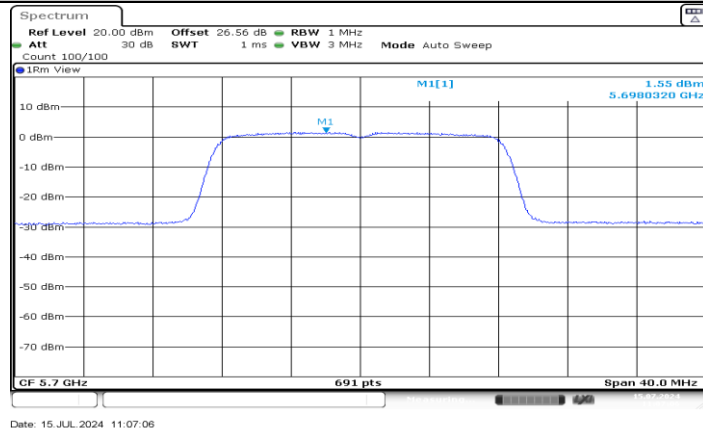
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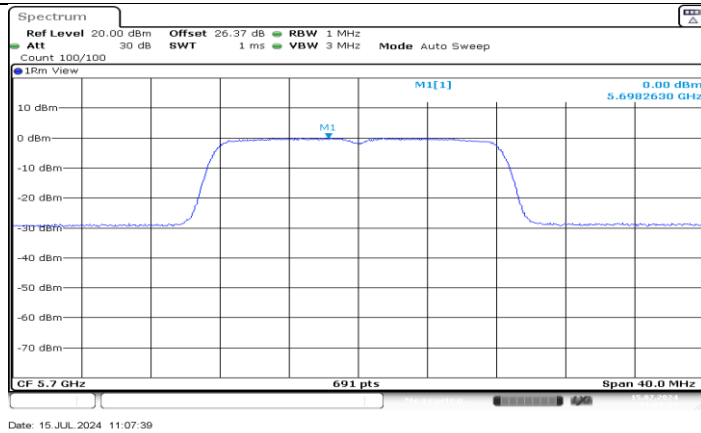
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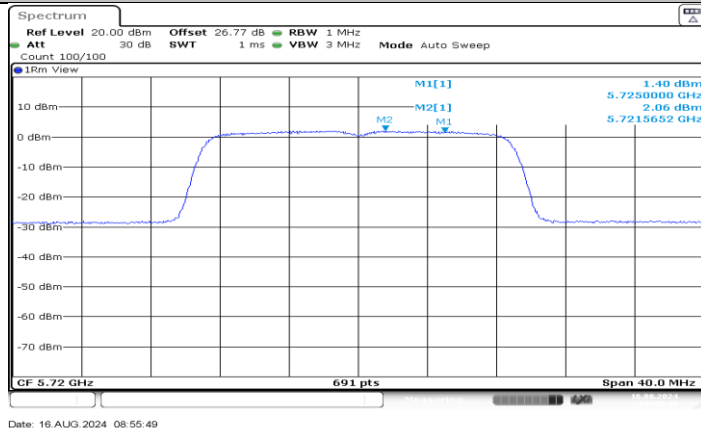
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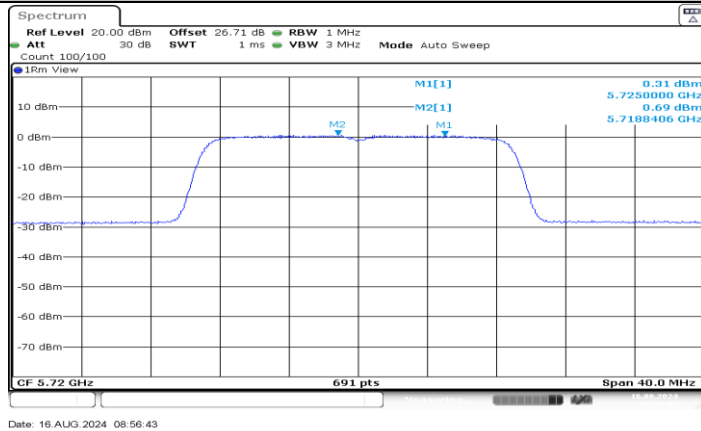
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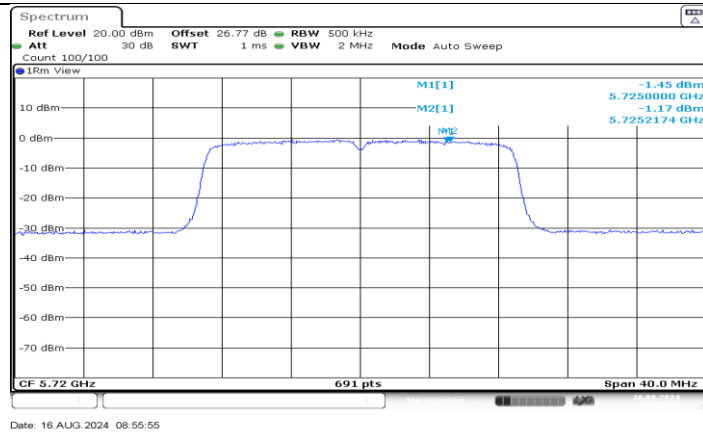
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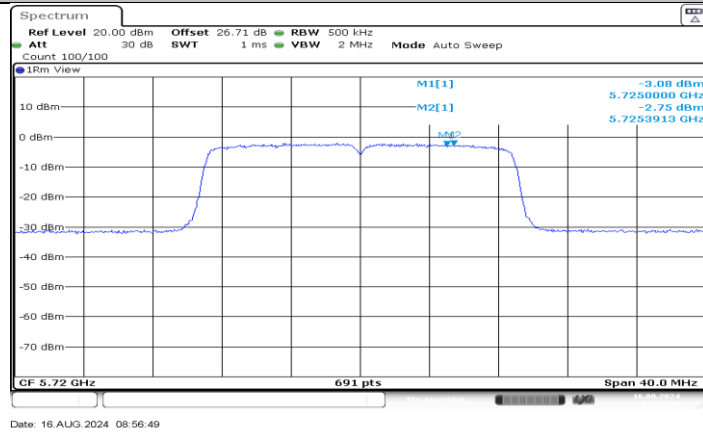
11N20MIMO_Ant1_5720_UNII-2C



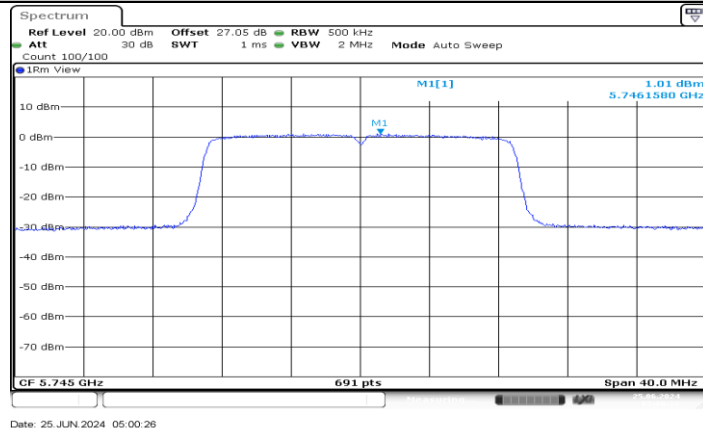
11N20MIMO_Ant2_5720_UNII-2C



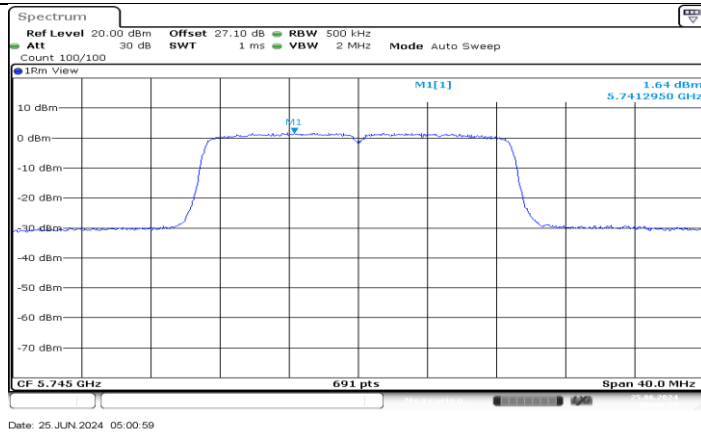
11N20MIMO_Ant1_5720_UNII-3



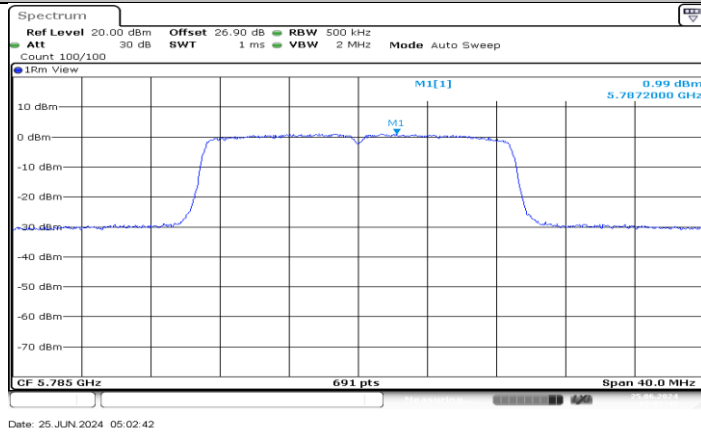
11N20MIMO_Ant2_5720_UNII-3



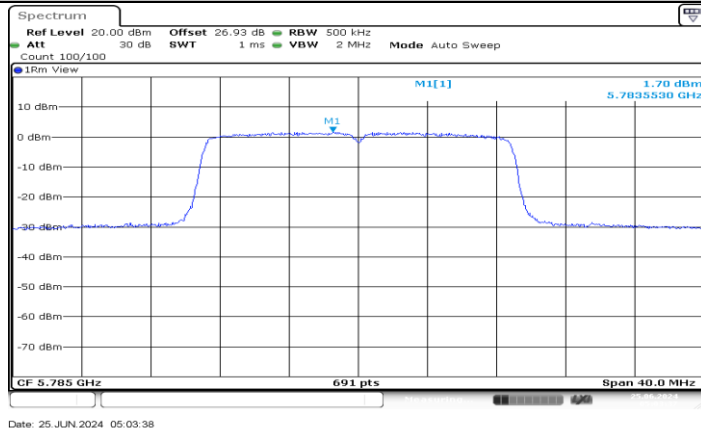
11N20MIMO_Ant1_5745



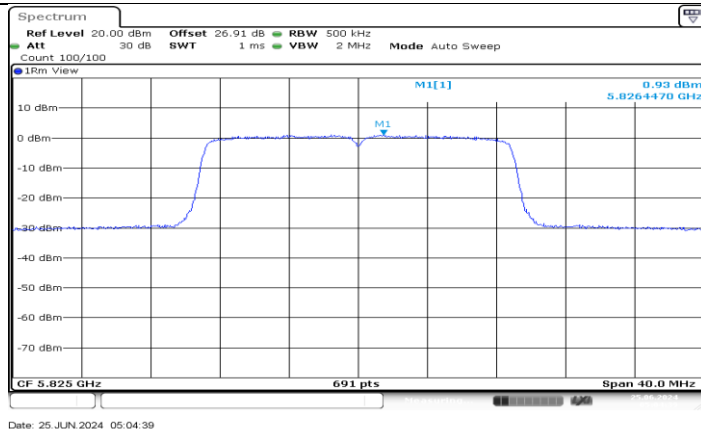
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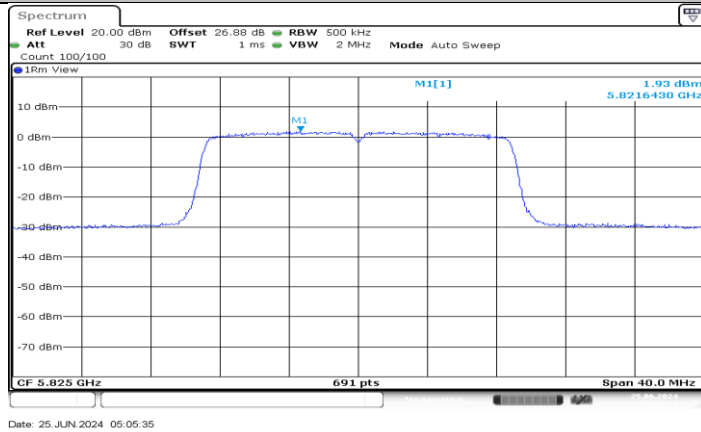
11N20MIMO_Ant1_5785



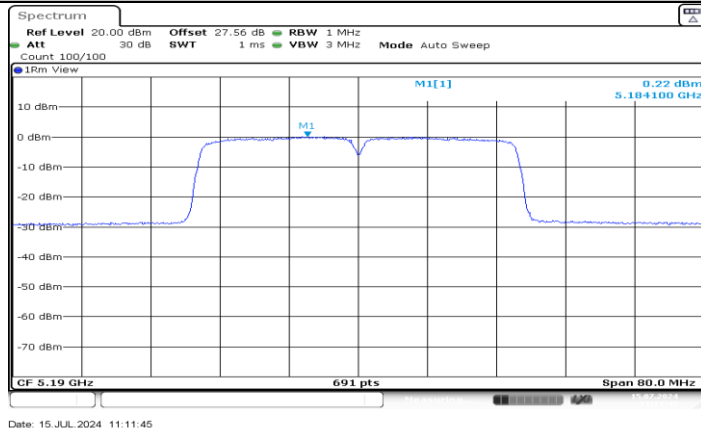
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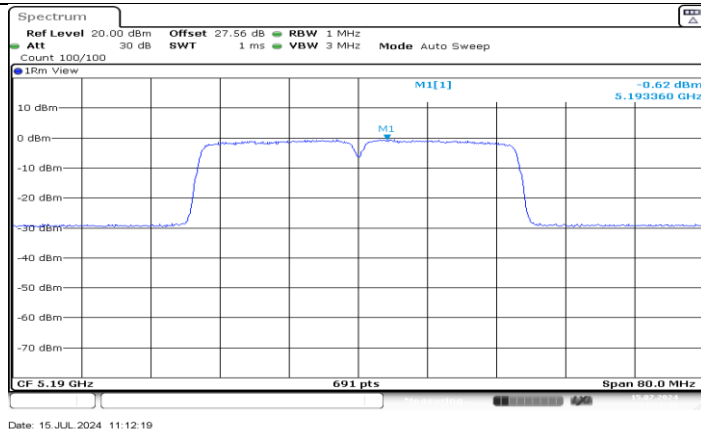
11N20MIMO_Ant1_5825



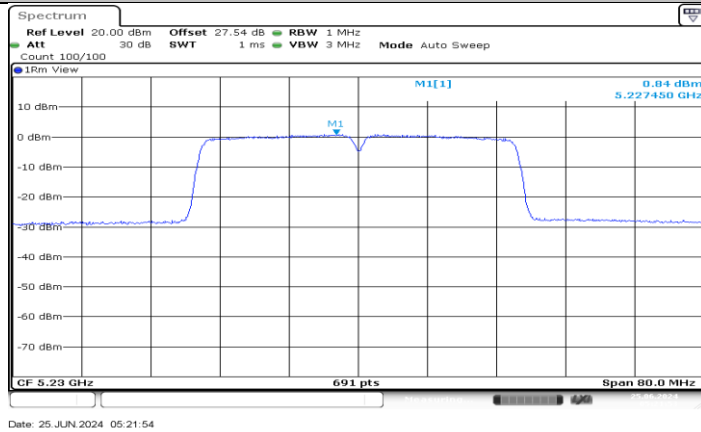
11N20MIMO_Ant2_5825



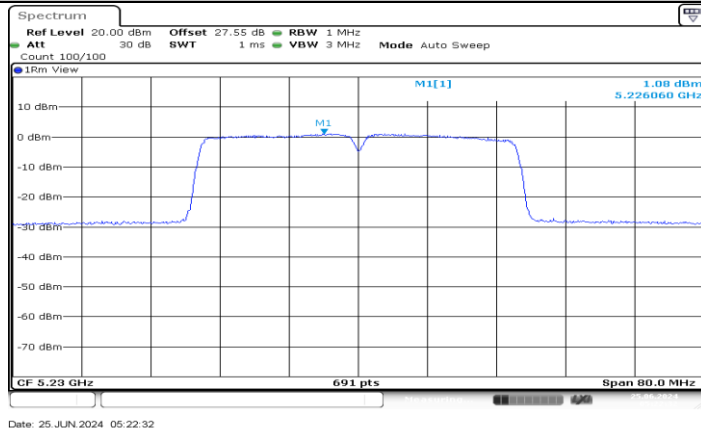
11N40MIMO_Ant1_5190



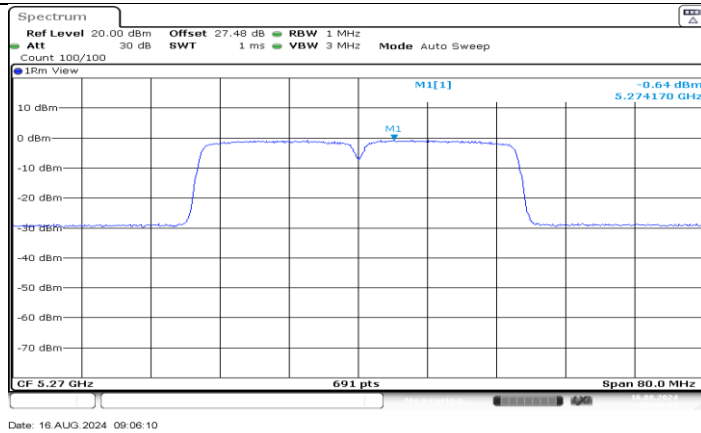
11N40MIMO_Ant2_5190



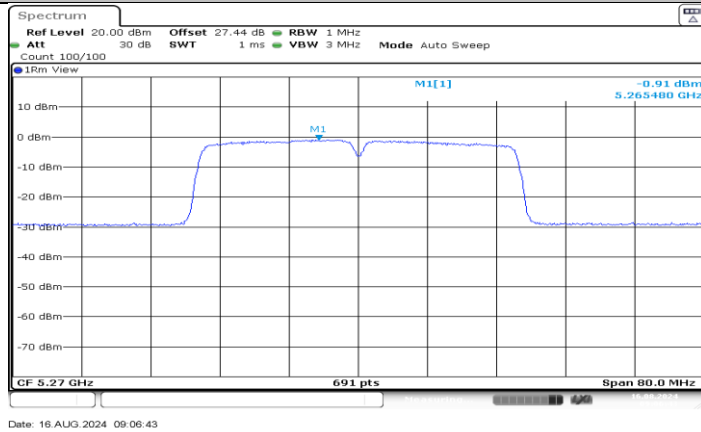
11N40MIMO_Ant1_5230



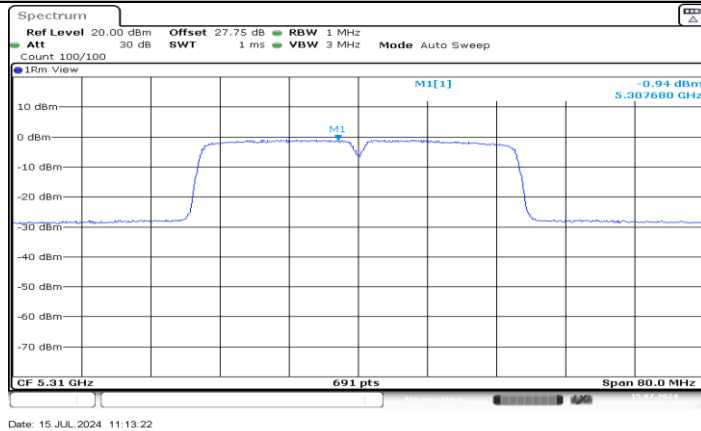
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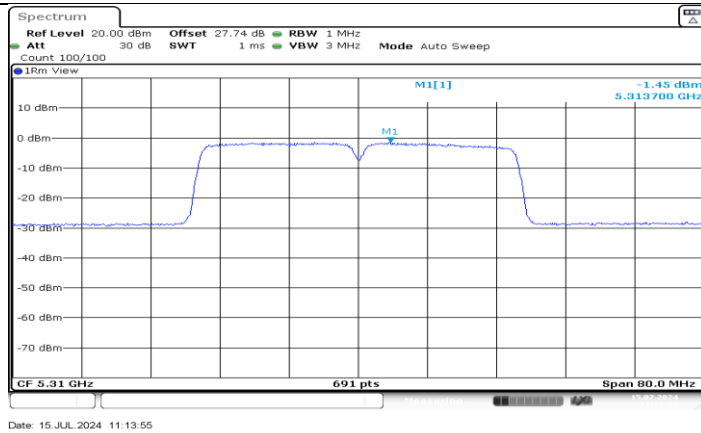
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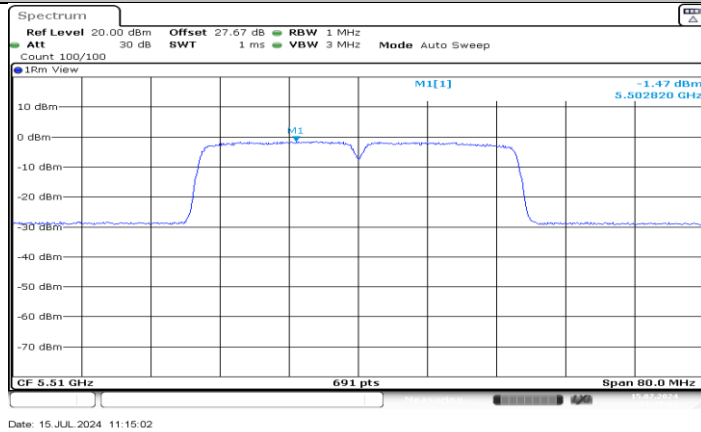
11N40MIMO_Ant2_5270



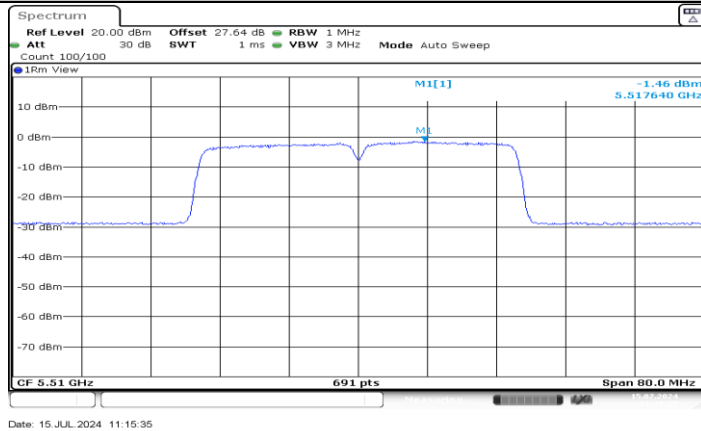
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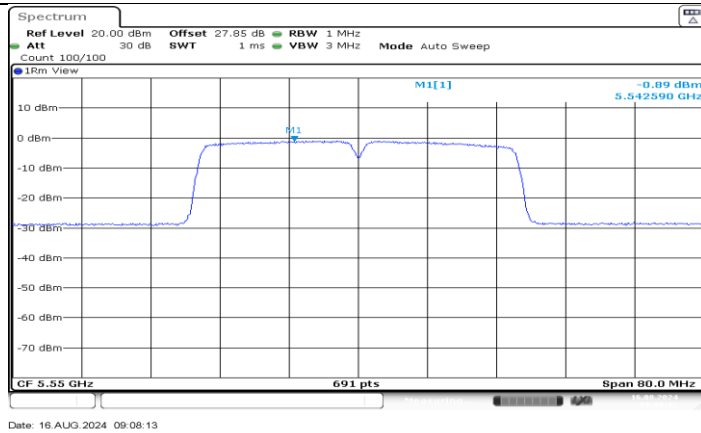
11N40MIMO_Ant2_5310



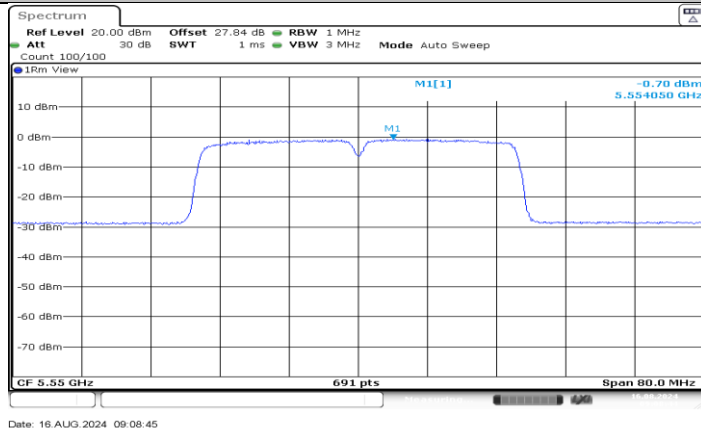
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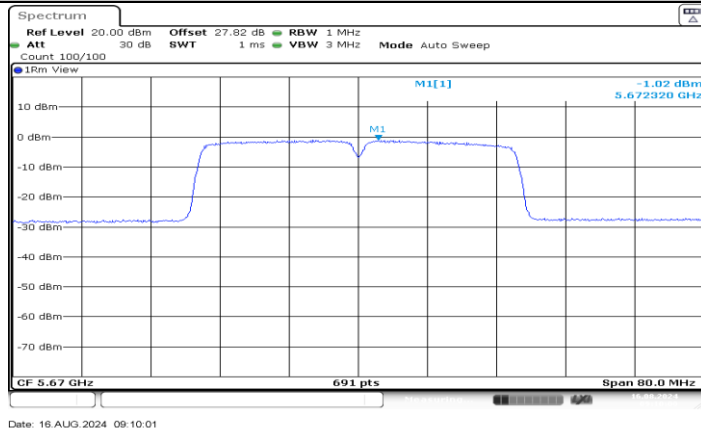
11N40MIMO_Ant2_5510



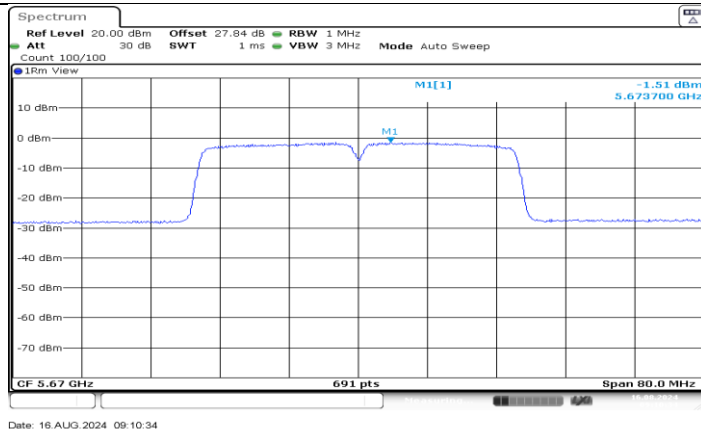
11N40MIMO_Ant1_5550



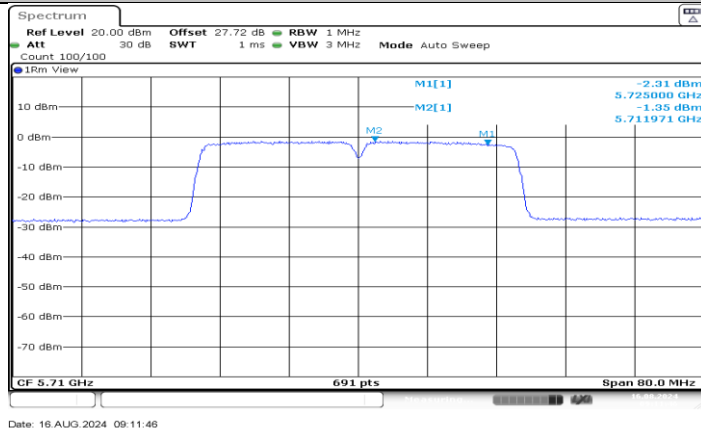
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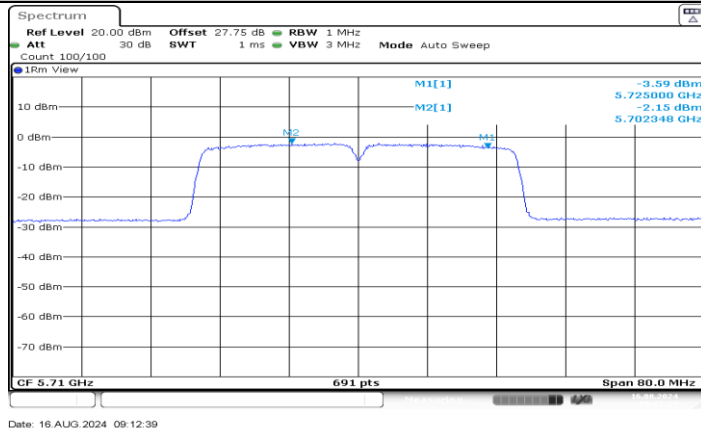
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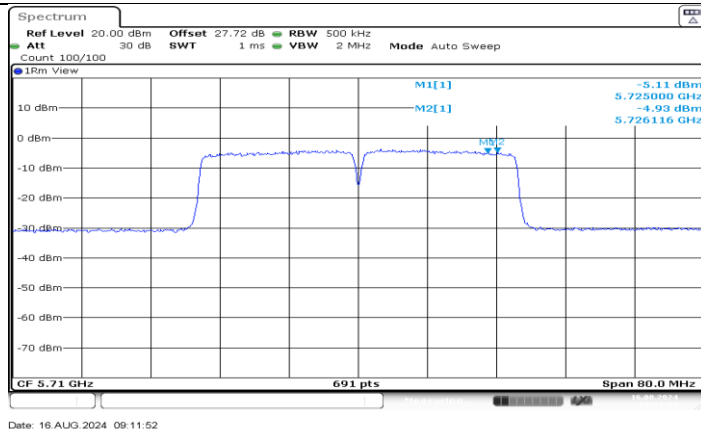
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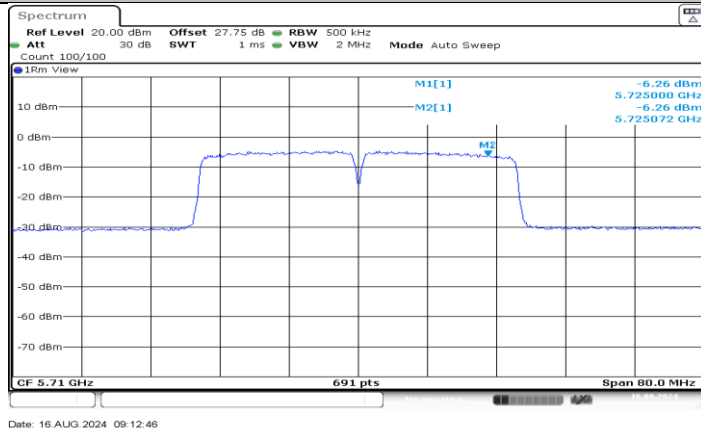
11N40MIMO_Ant1_5710_UNII-2C



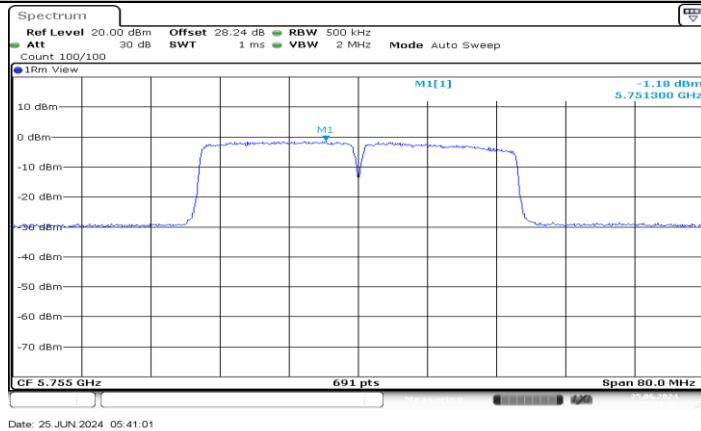
11N40MIMO_Ant2_5710_UNII-2C



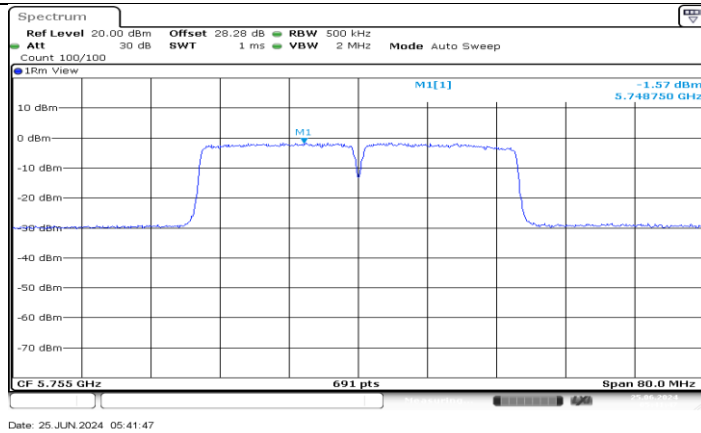
11N40MIMO_Ant1_5710_UNII-3



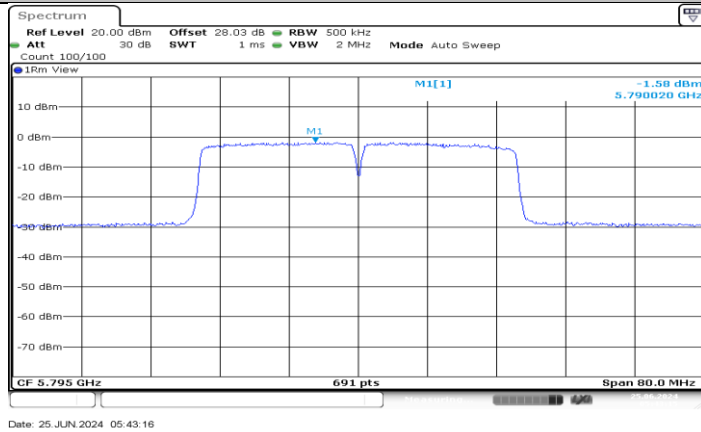
11N40MIMO_Ant2_5710_UNII-3



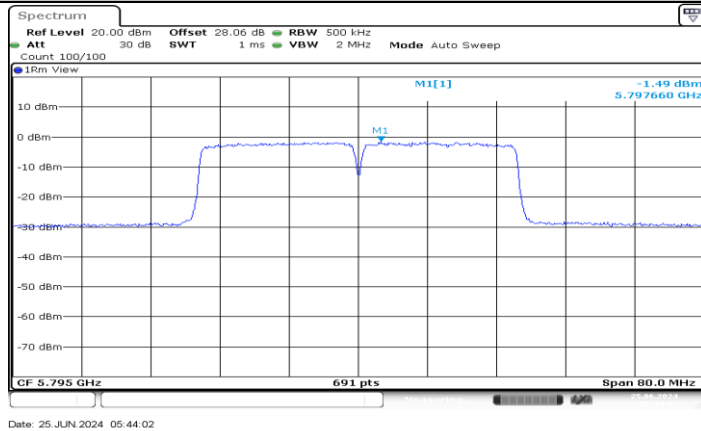
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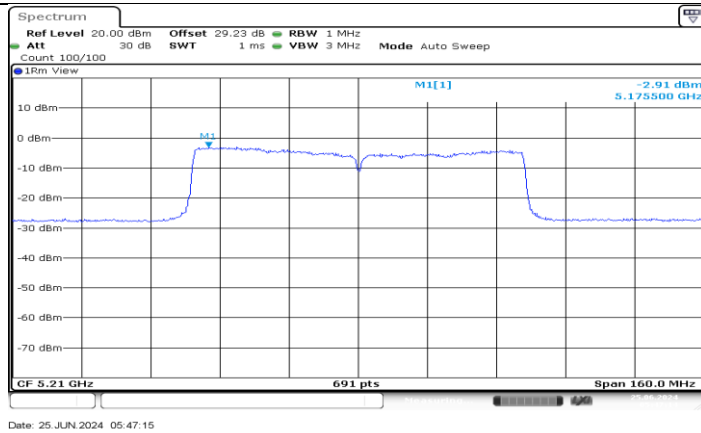
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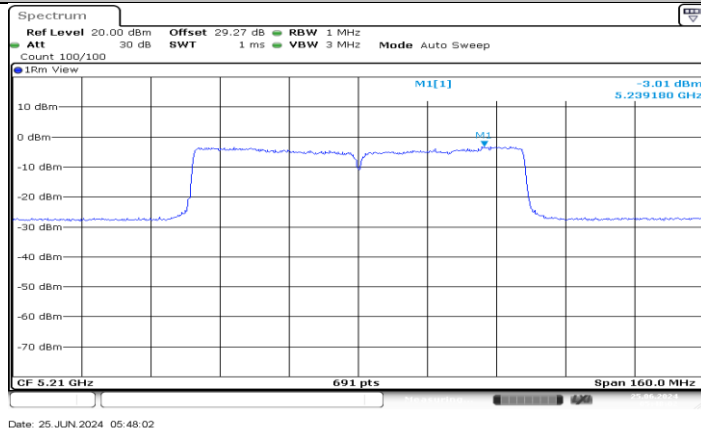
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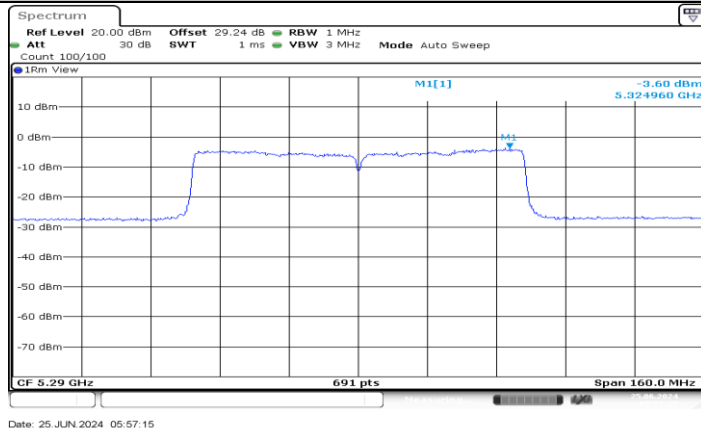
11N40MIMO_Ant2_5795



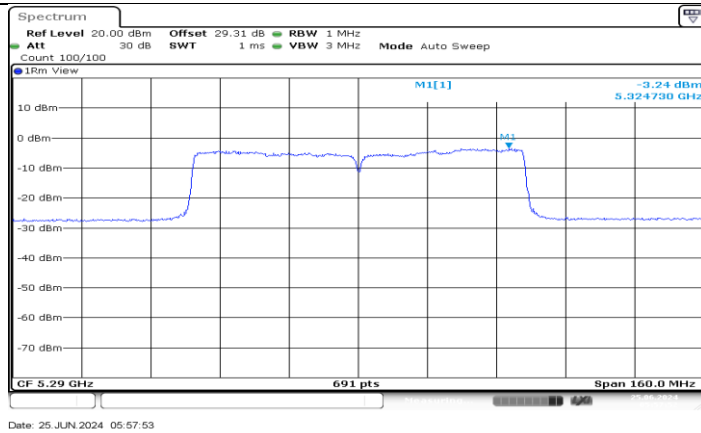
11AC80MIMO_Ant1_5210



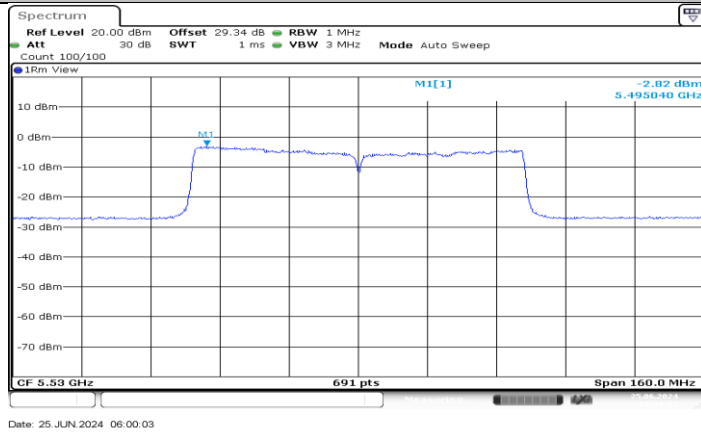
11AC80MIMO_Ant2_5210



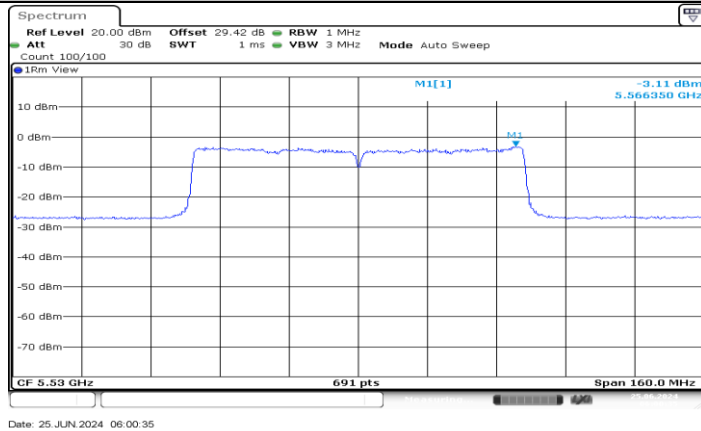
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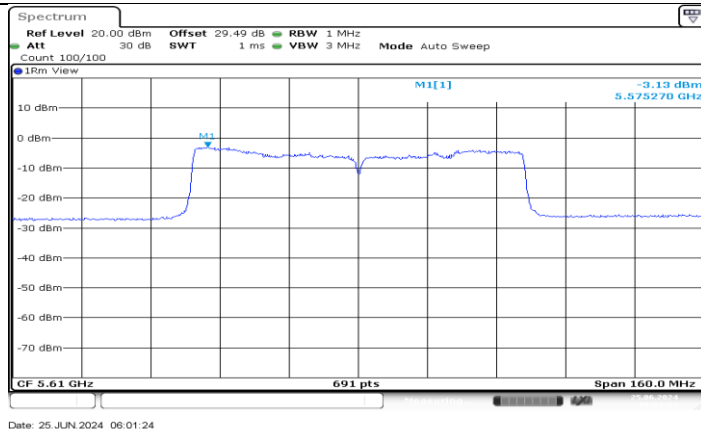
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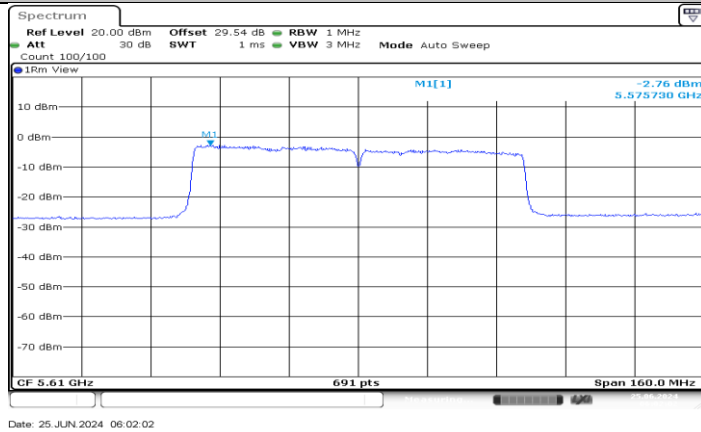
11AC80MIMO_Ant1_5530



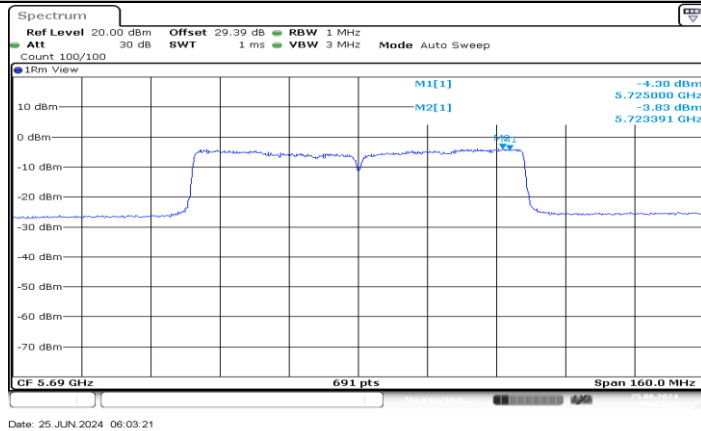
11AC80MIMO_Ant2_5530



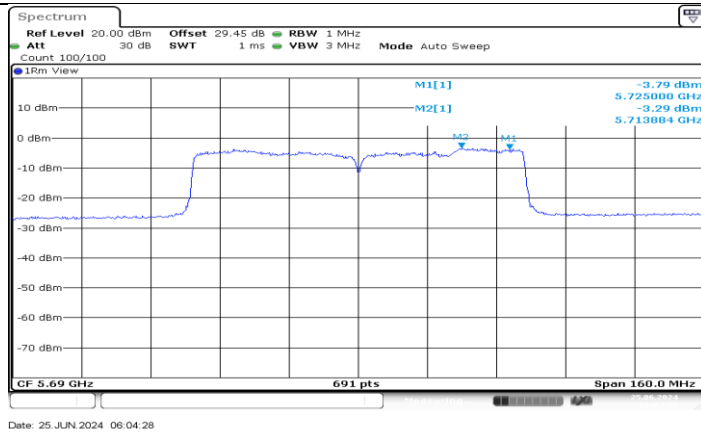
11AC80MIMO_Ant1_5610



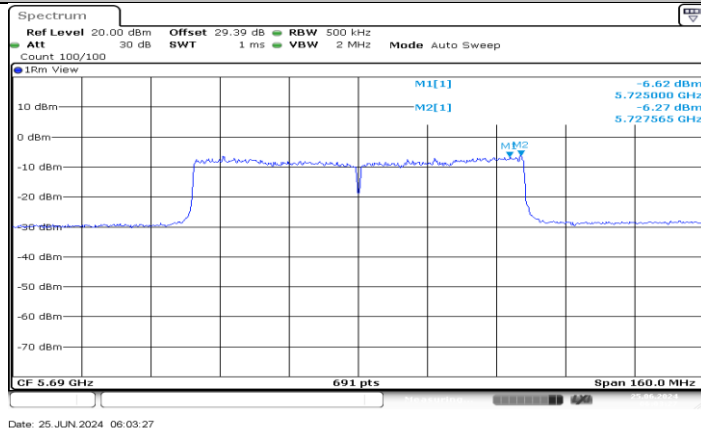
11AC80MIMO_Ant2_5610



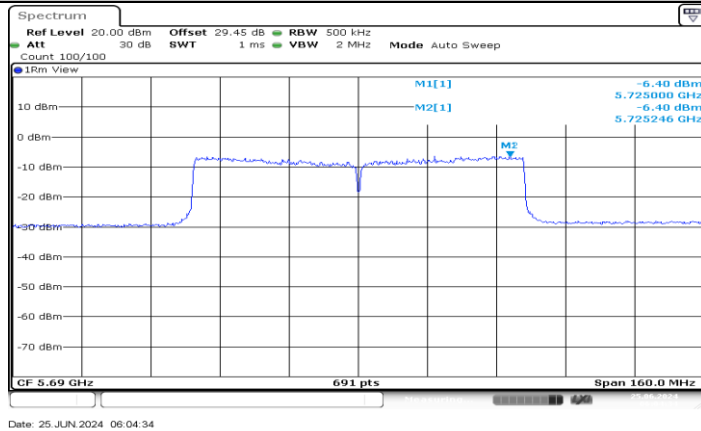
11AC80MIMO_Ant1_5690_UNII-2C



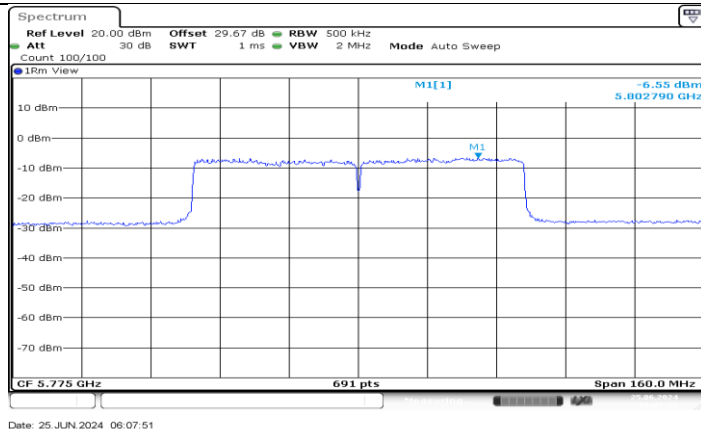
11AC80MIMO_Ant2_5690_UNII-2C



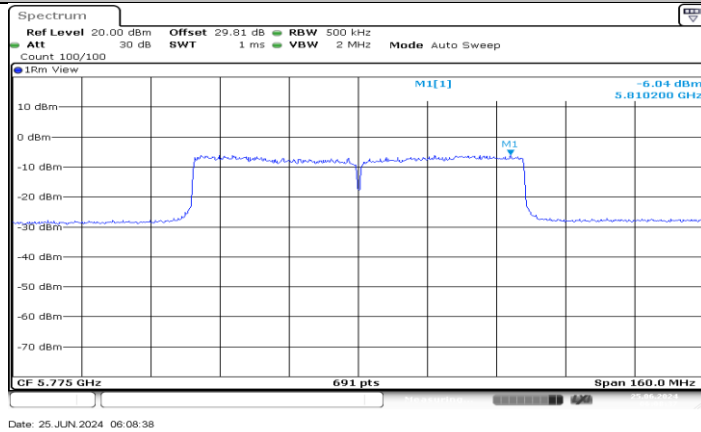
11AC80MIMO_Ant1_5690_UNII-3



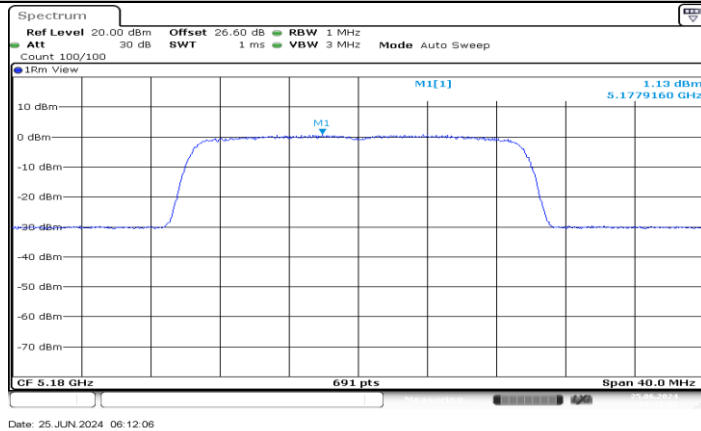
11AC80MIMO_Ant2_5690_UNII-3



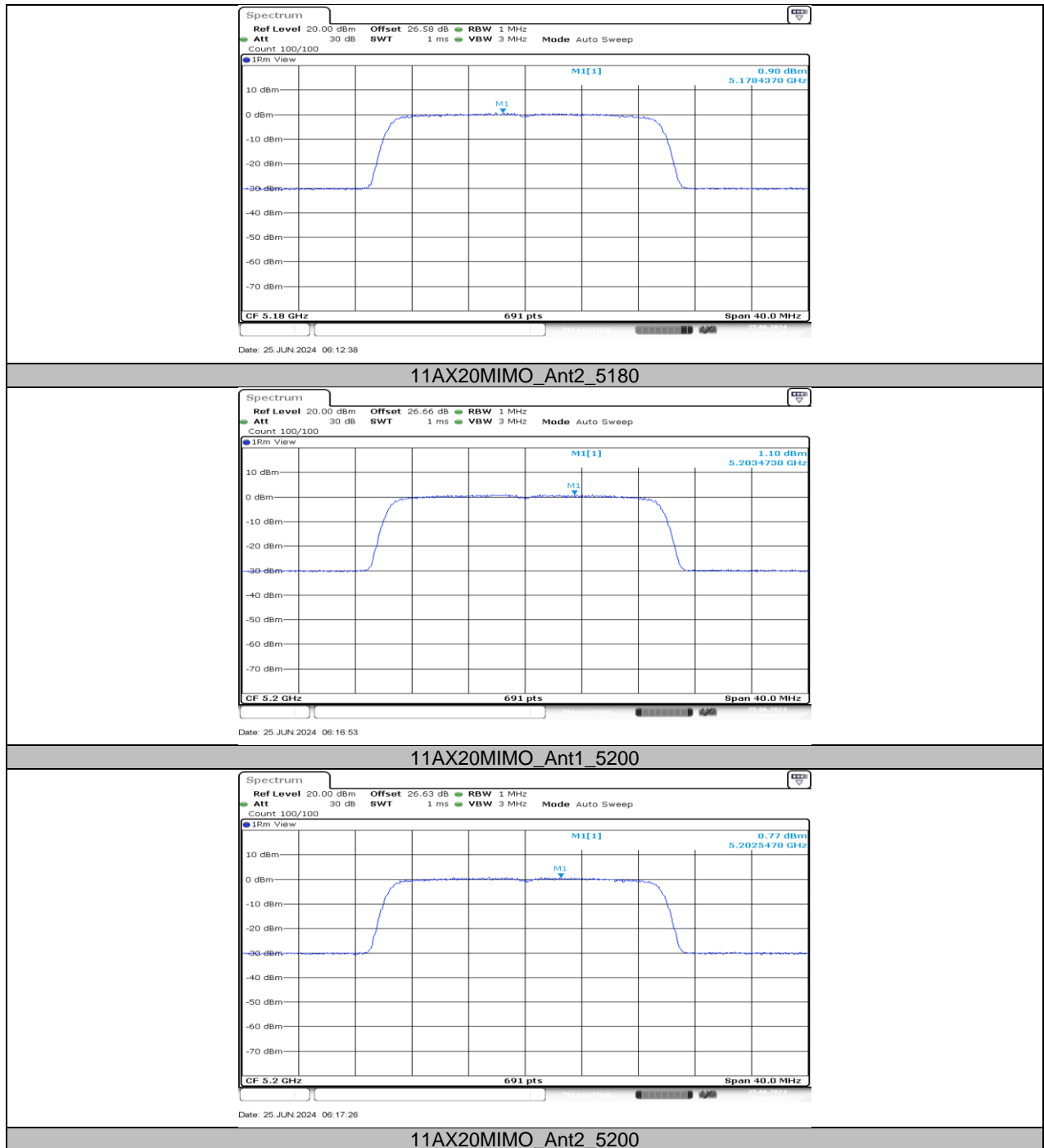
11AC80MIMO_Ant1_5775



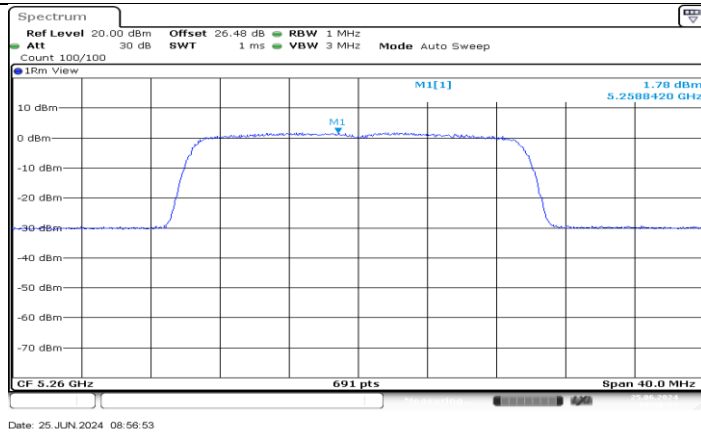
11AC80MIMO_Ant2_5775



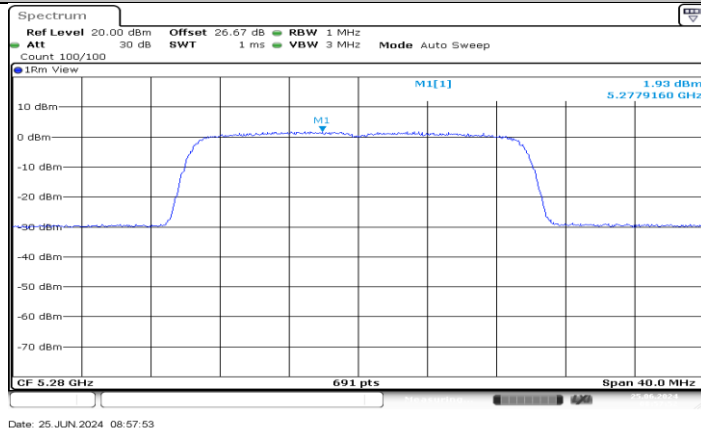
11AX20MIMO_Ant1_5180



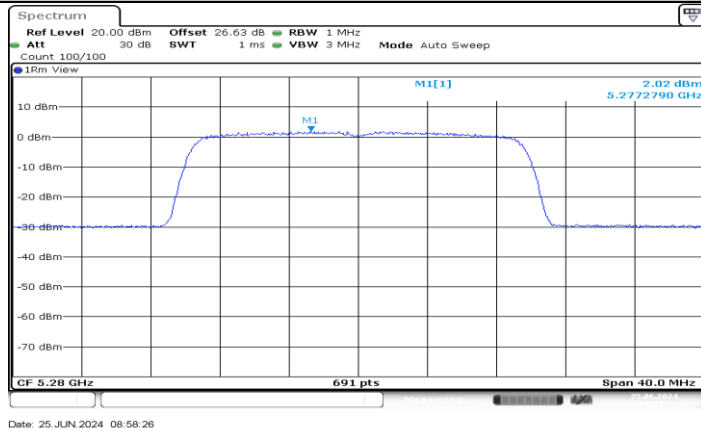




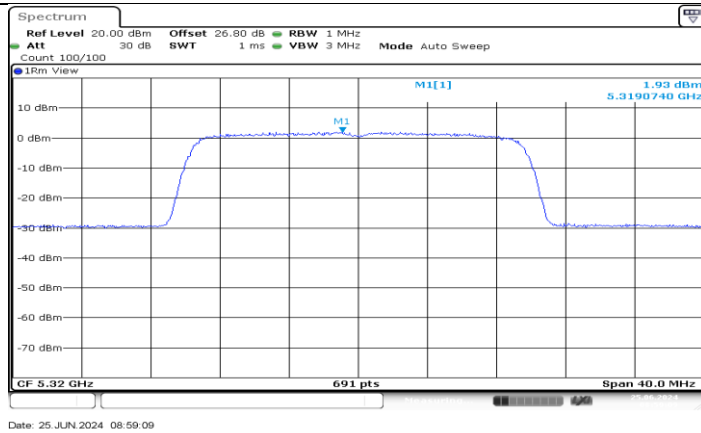
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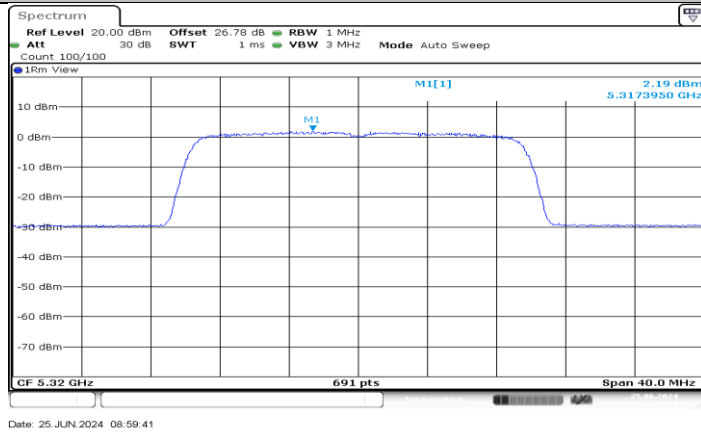
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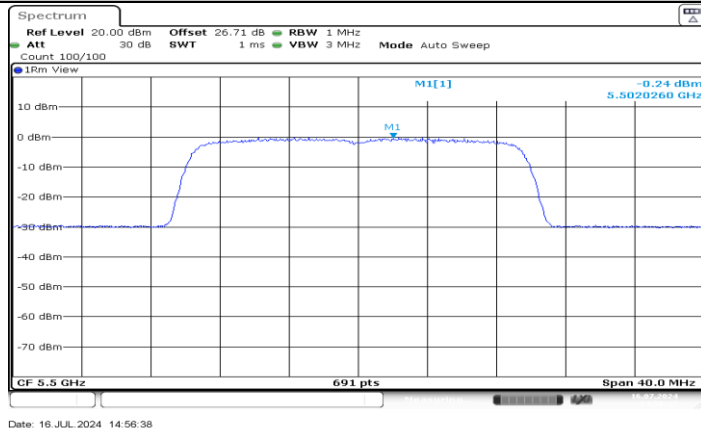
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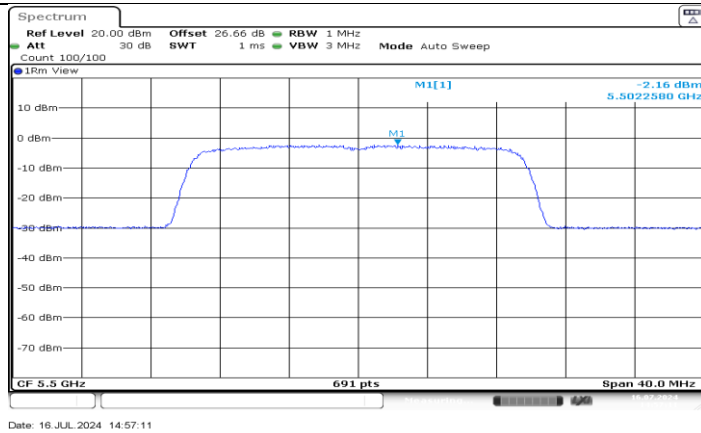
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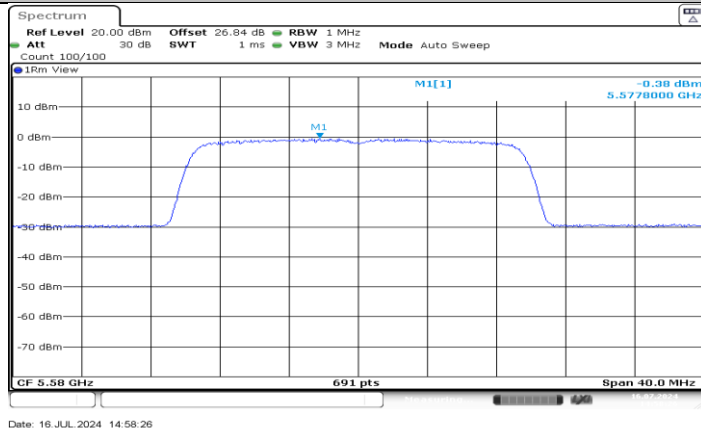
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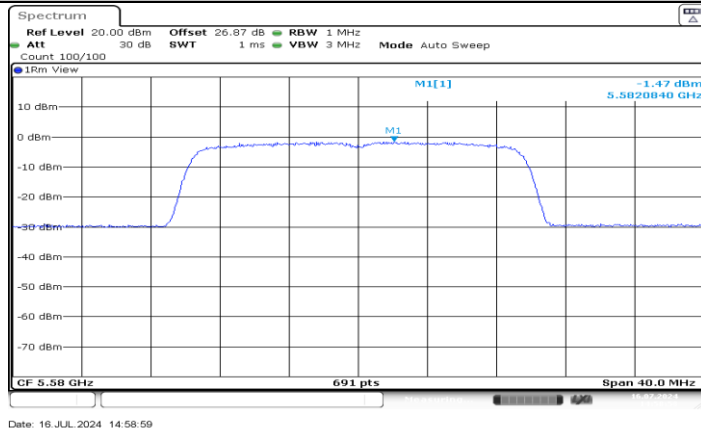
11AX20MIMO_Ant1_5500



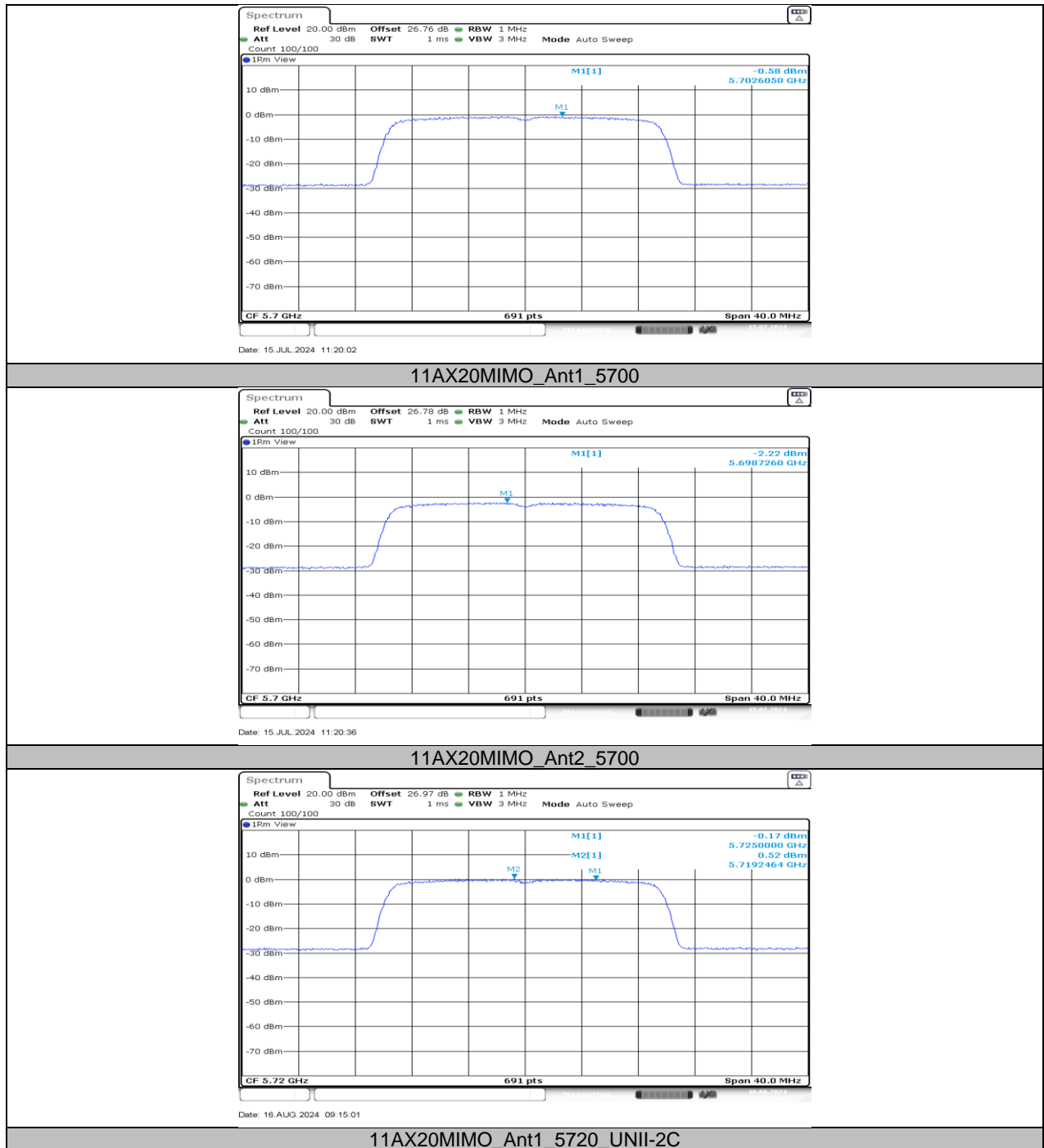
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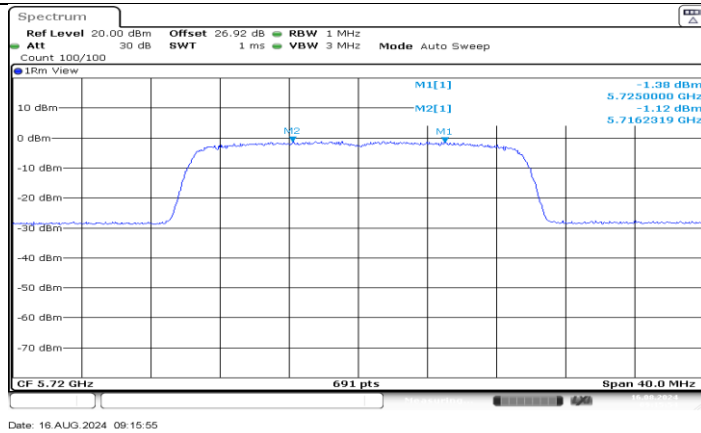


11AX20MIMO_Ant1_5580

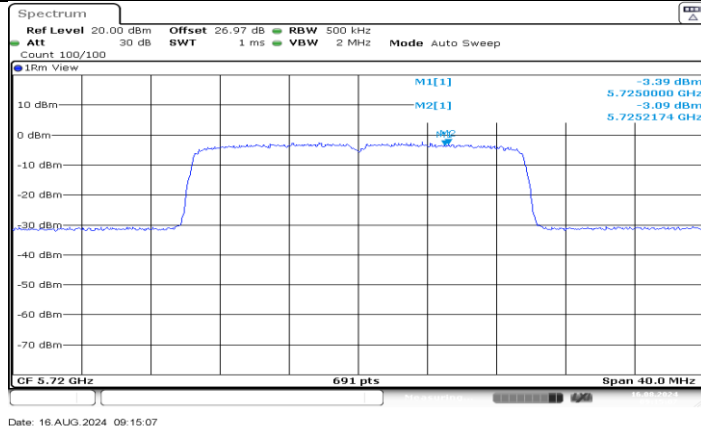


11AX20MIMO_Ant2_5580

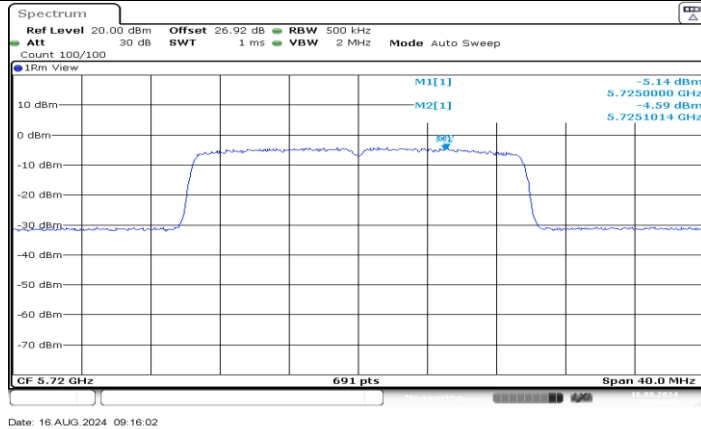




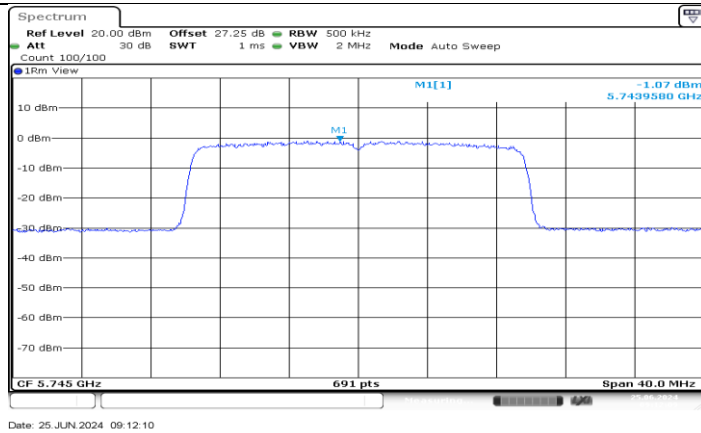
11AX20MIMO_Ant2_5720_UNII-2C



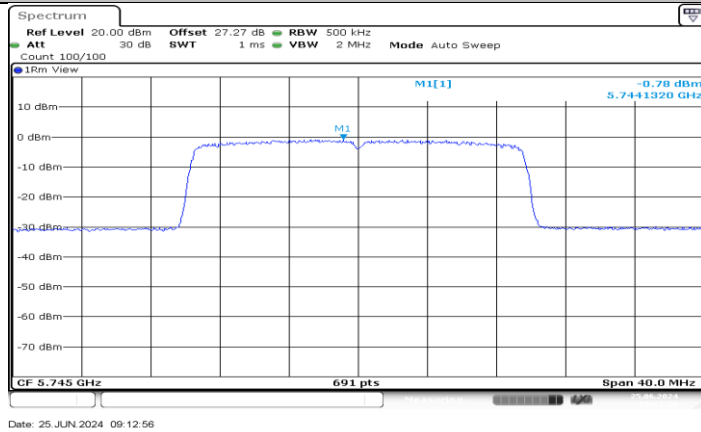
11AX20MIMO_Ant1_5720_UNII-3



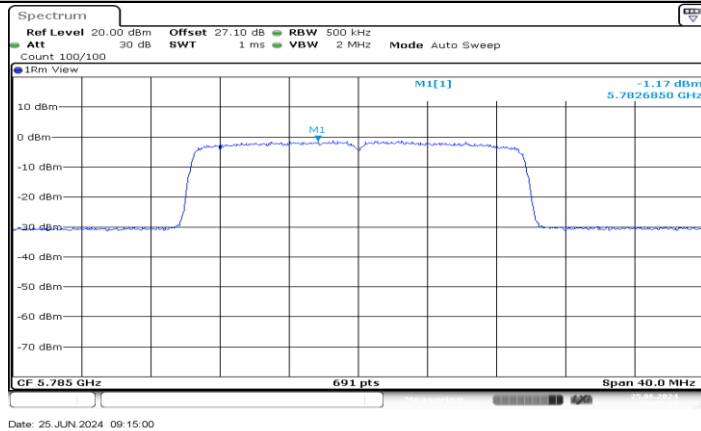
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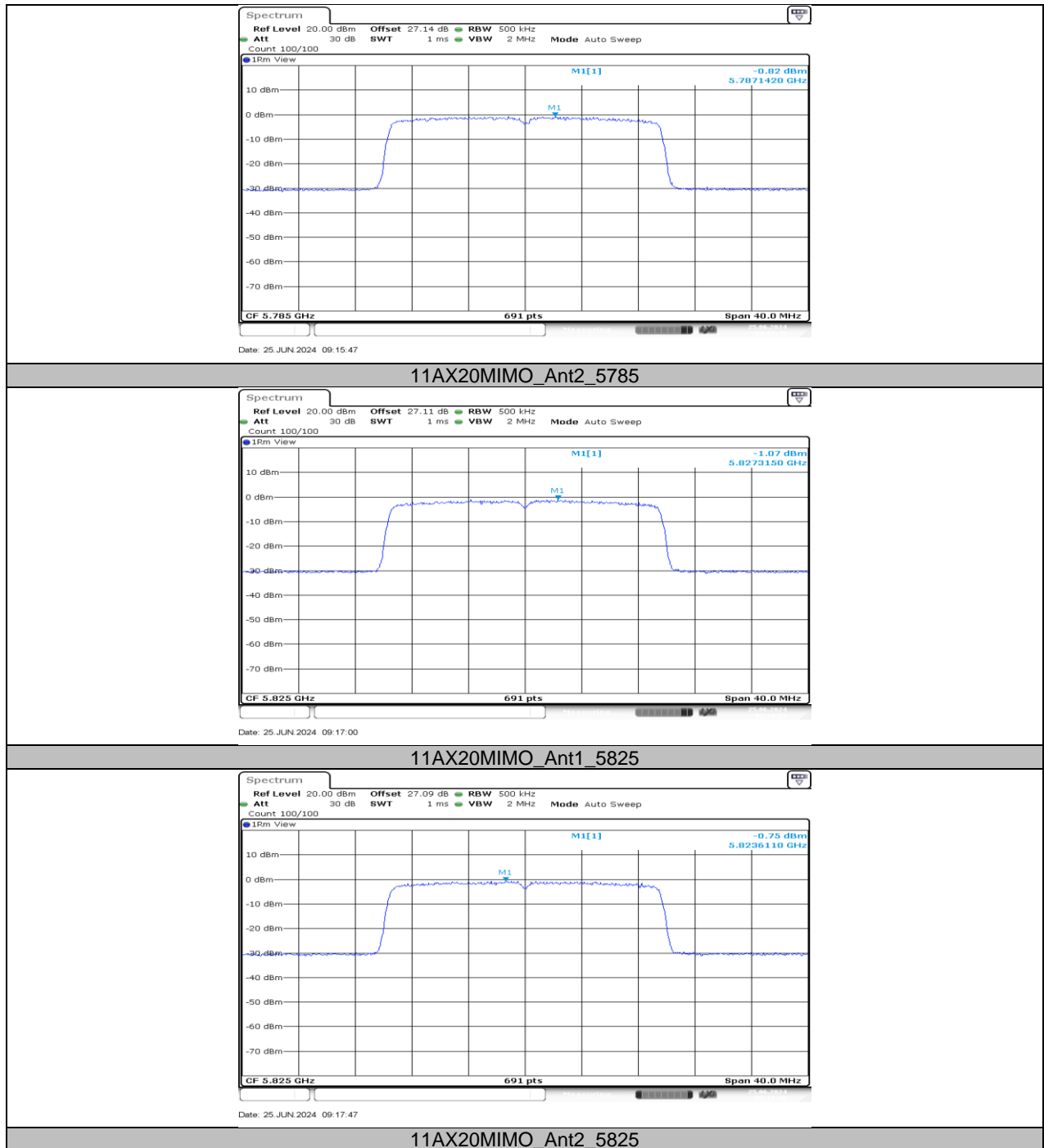
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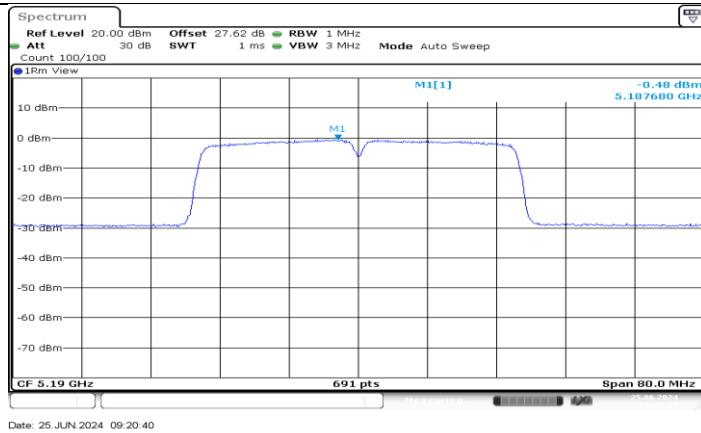


11AX20MIMO_Ant2_5745

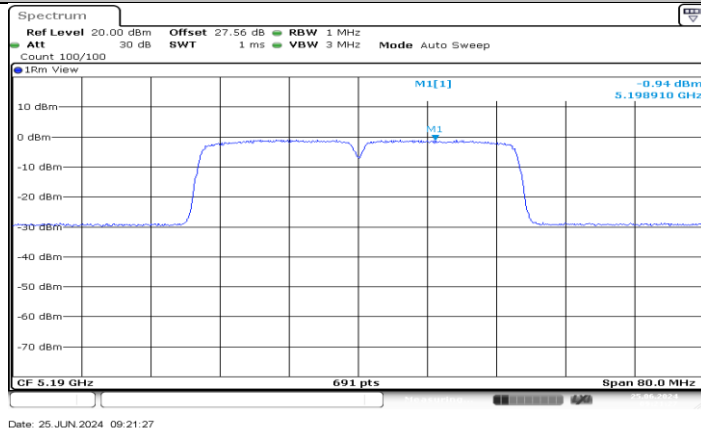


11AX20MIMO_Ant1_5785

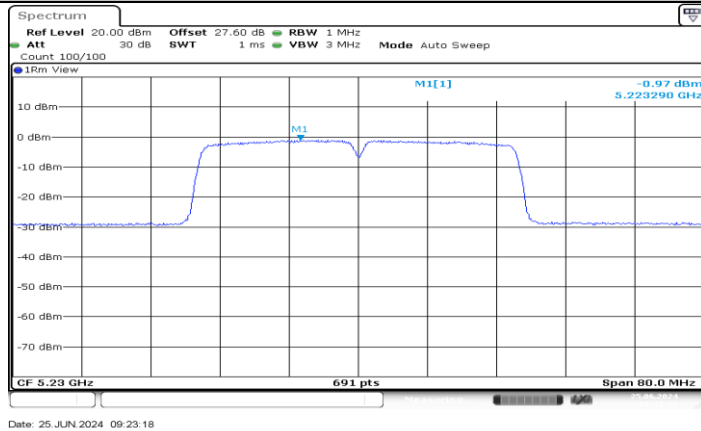




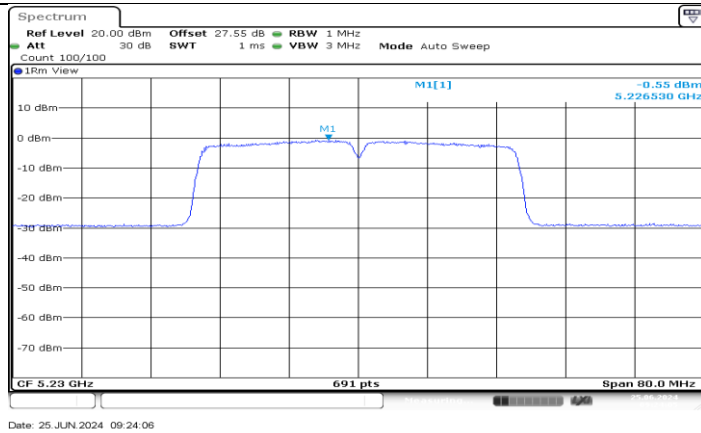
11AX40MIMO_Ant1_5190



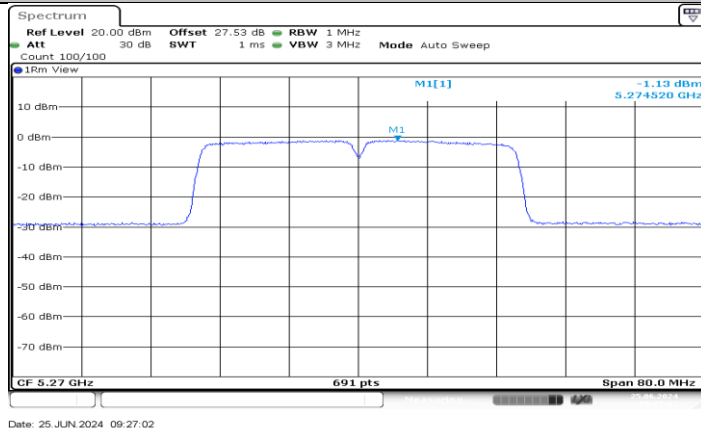
11AX40MIMO_Ant2_5190



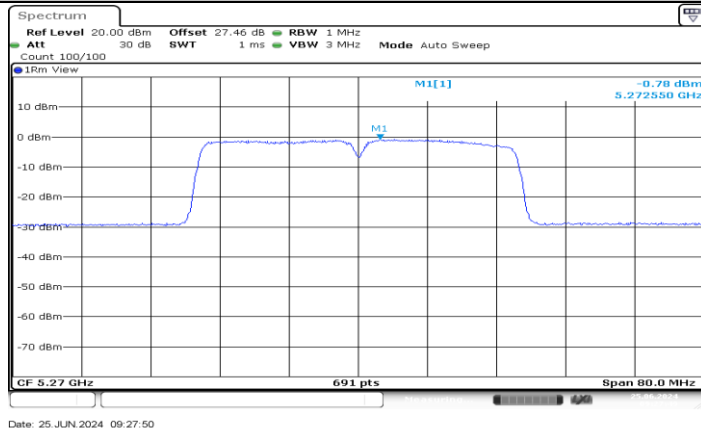
11AX40MIMO_Ant1_5230



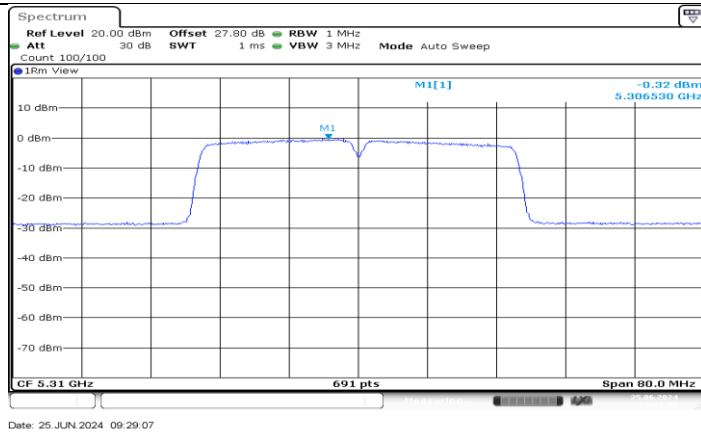
11AX40MIMO_Ant2_5230



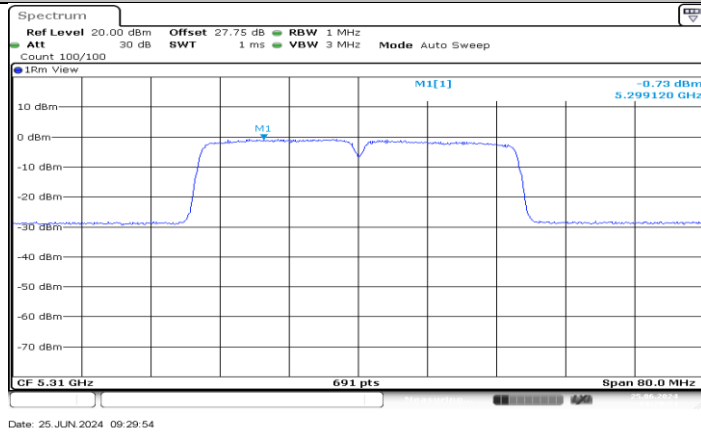
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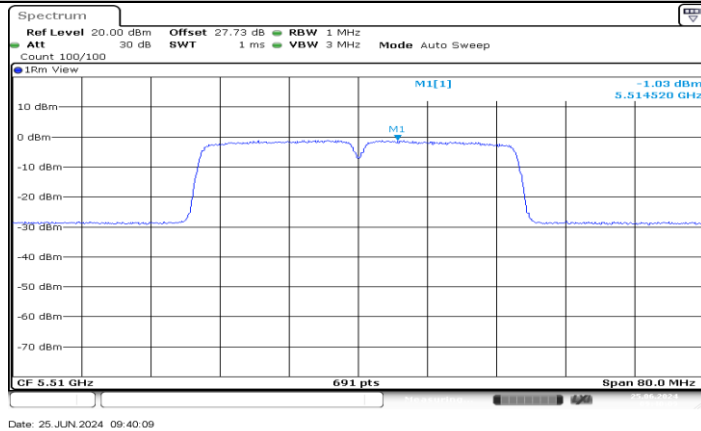
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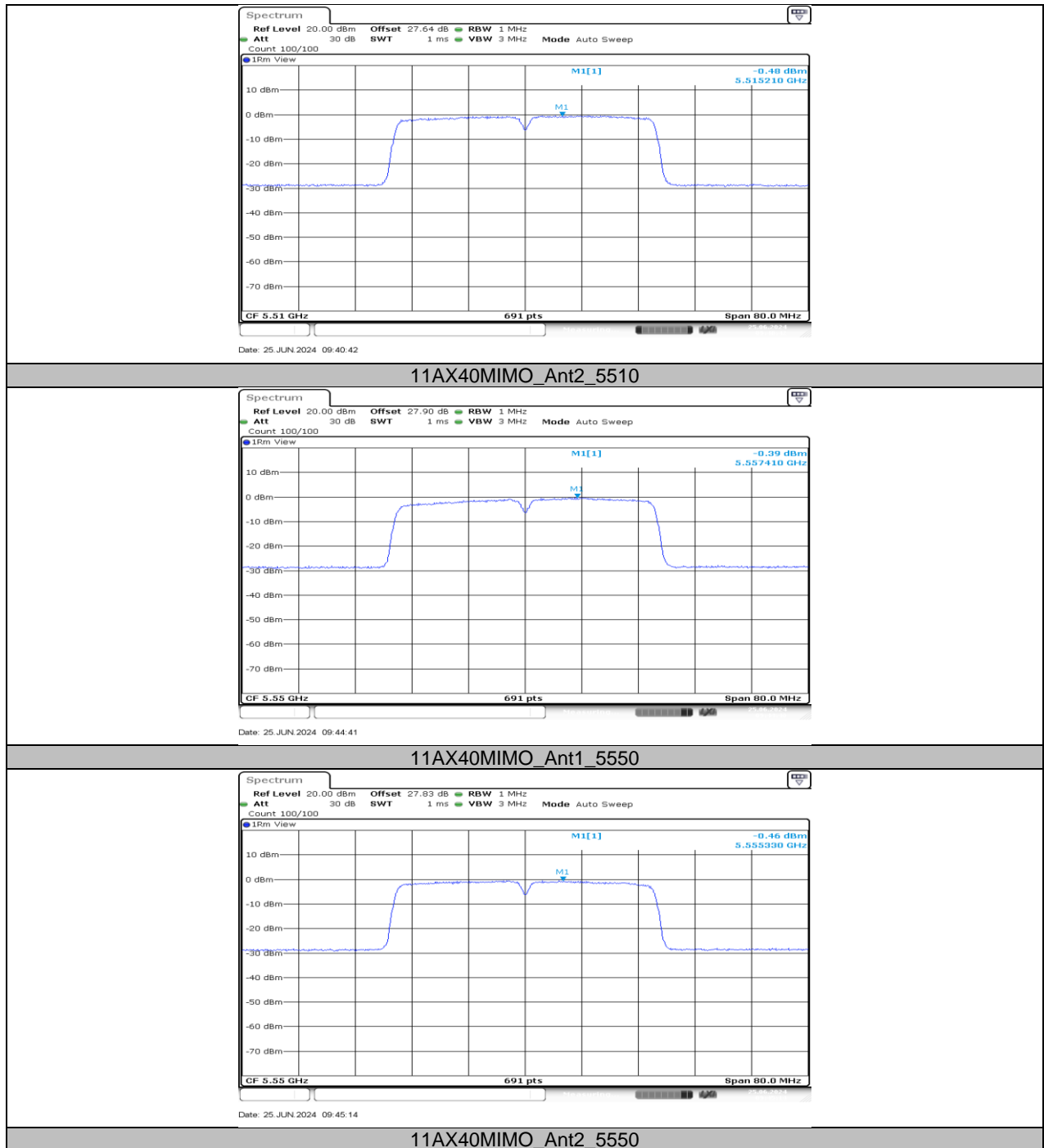
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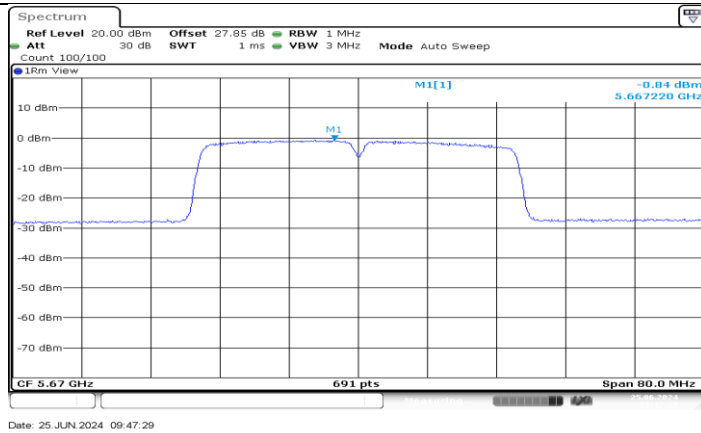


11AX40MIMO_Ant2_5310

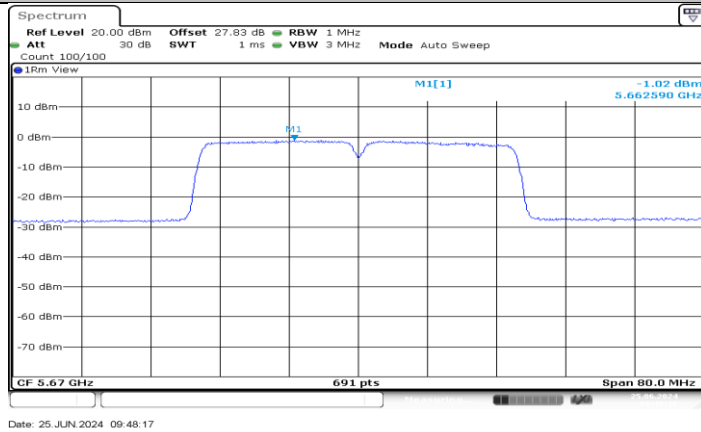


11AX40MIMO_Ant1_5510

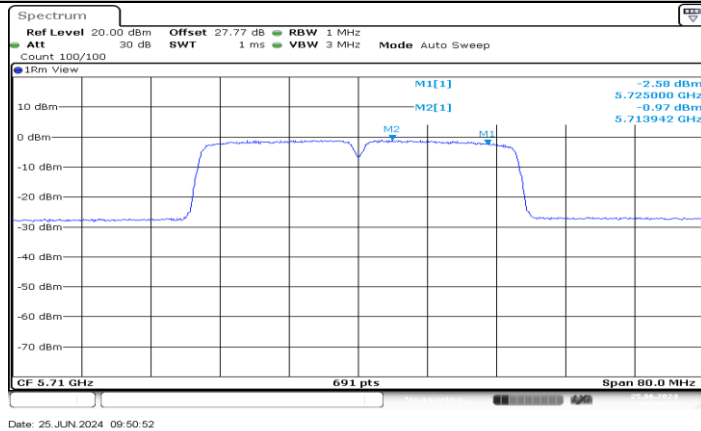




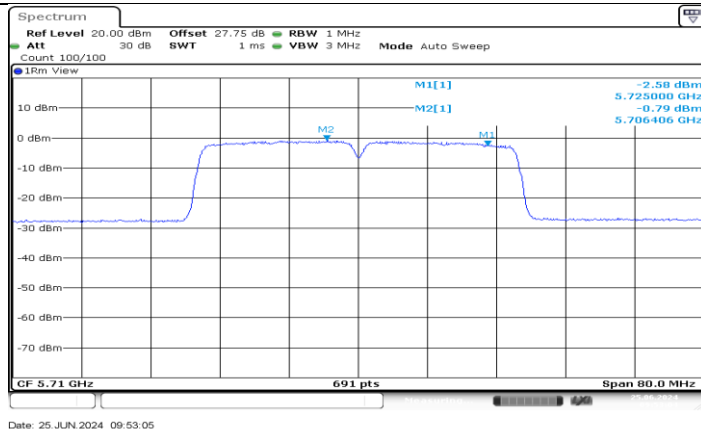
11AX40MIMO_Ant1_5670



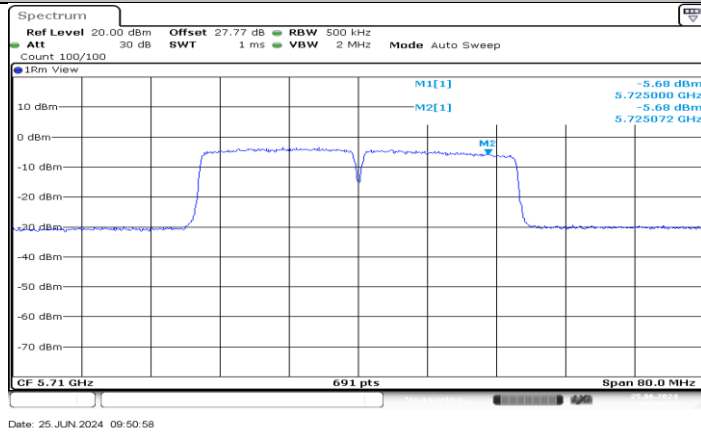
11AX40MIMO_Ant2_5670



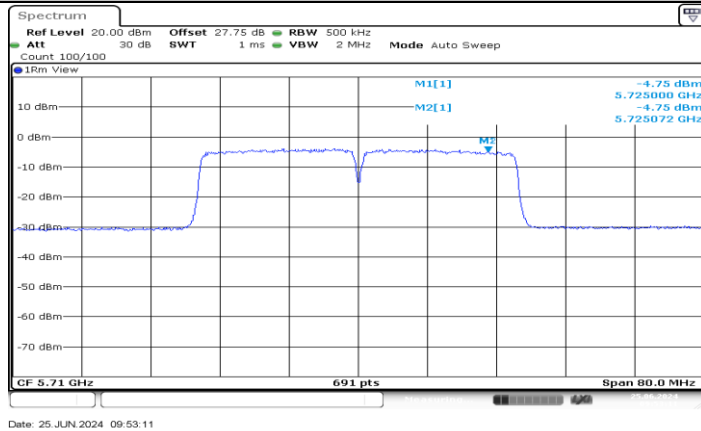
11AX40MIMO_Ant1_5710_UNII-2C



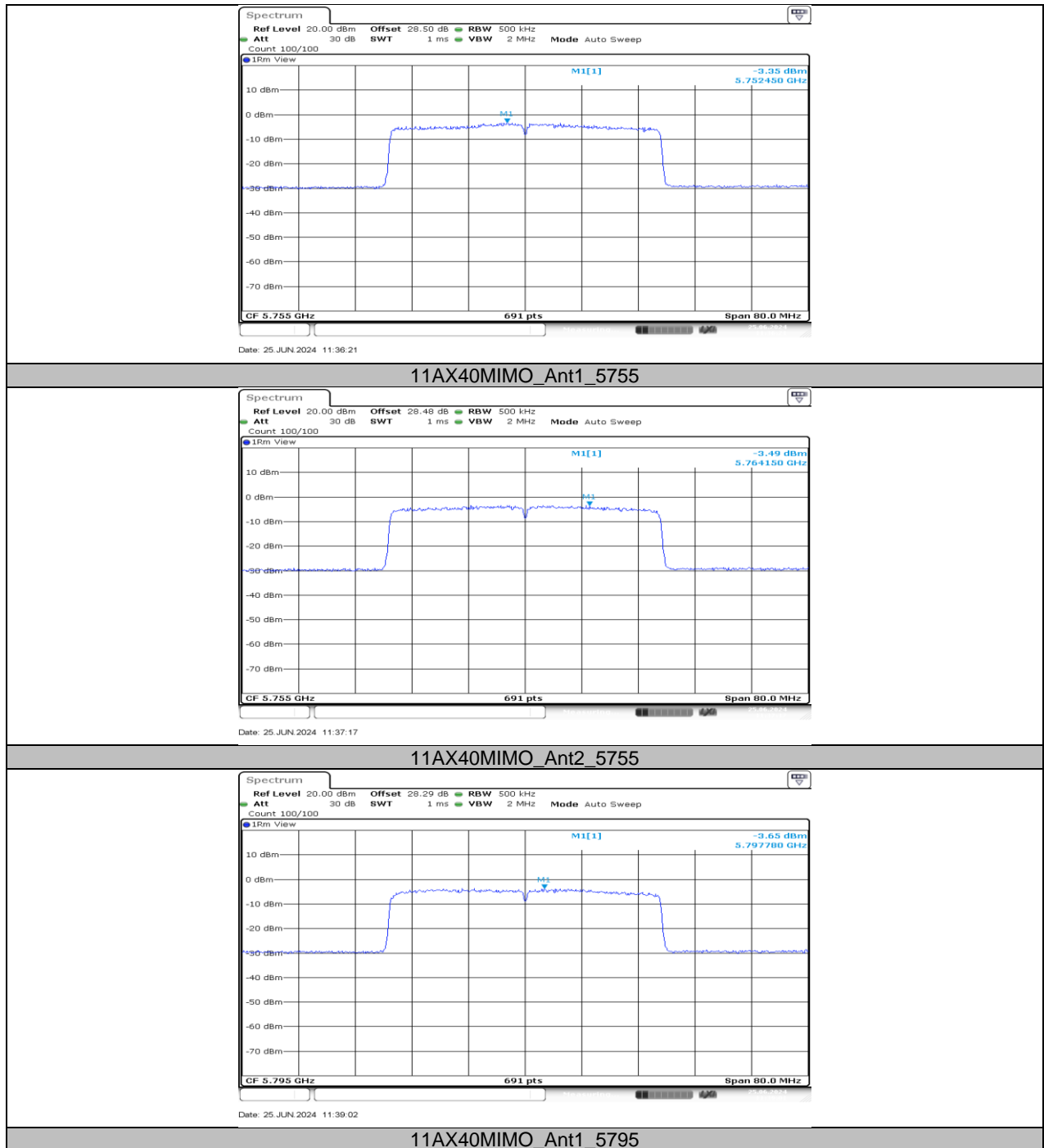
11AX40MIMO_Ant2_5710_UNII-2C

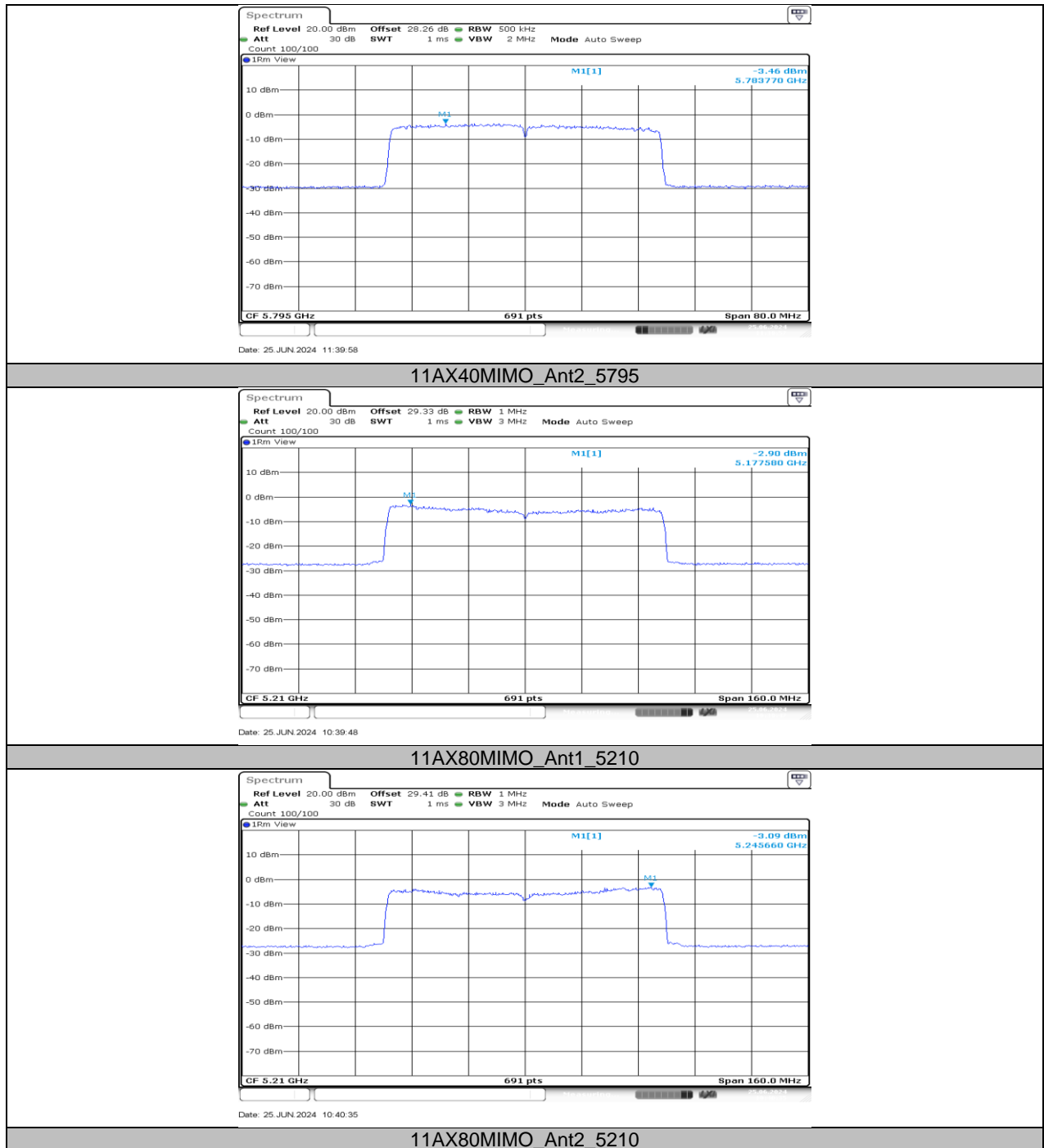


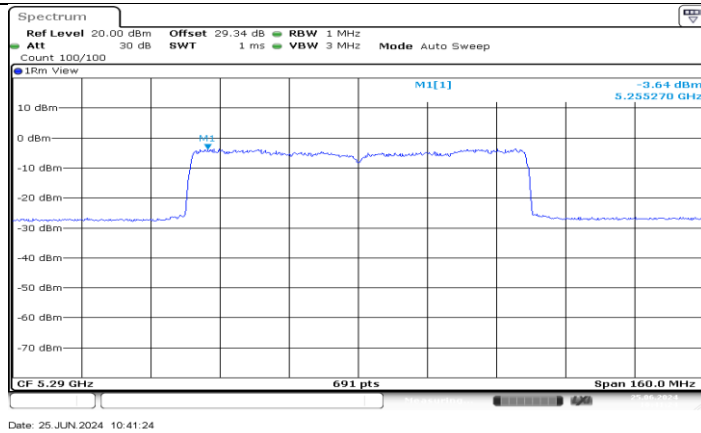
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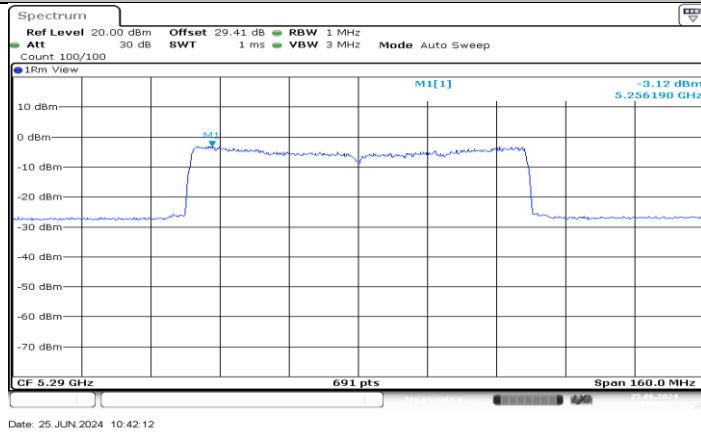
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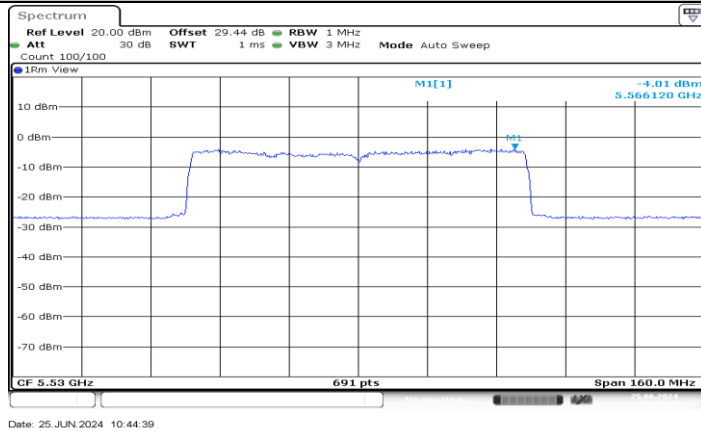




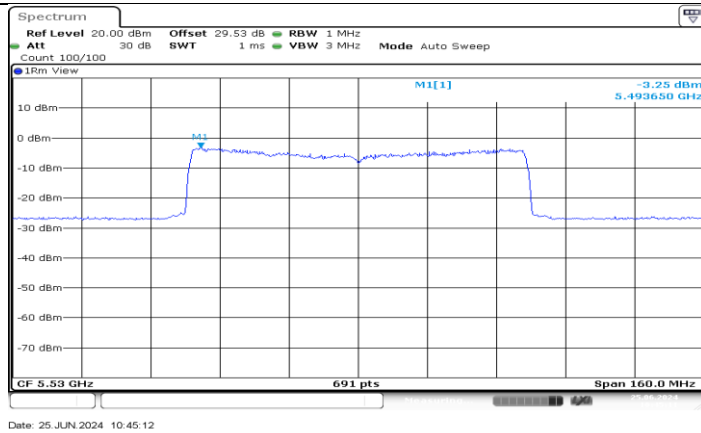
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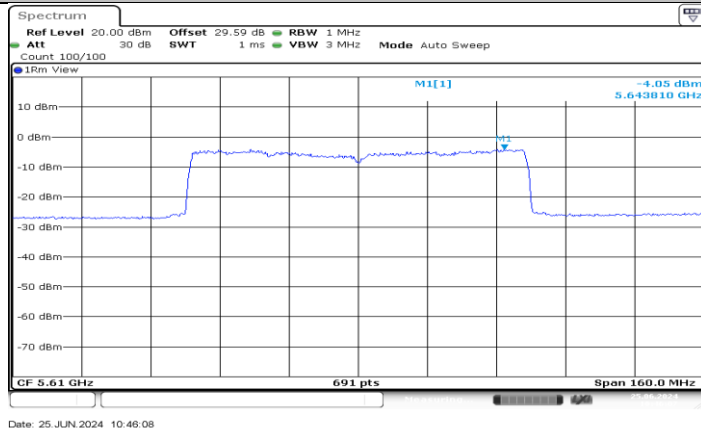
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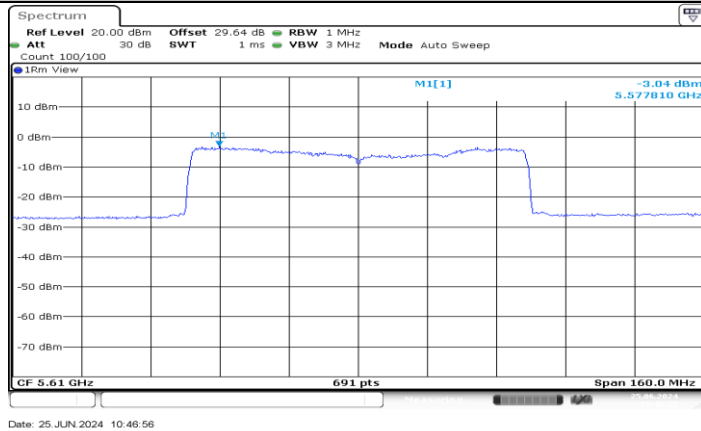
11AX80MIMO_Ant1_5530



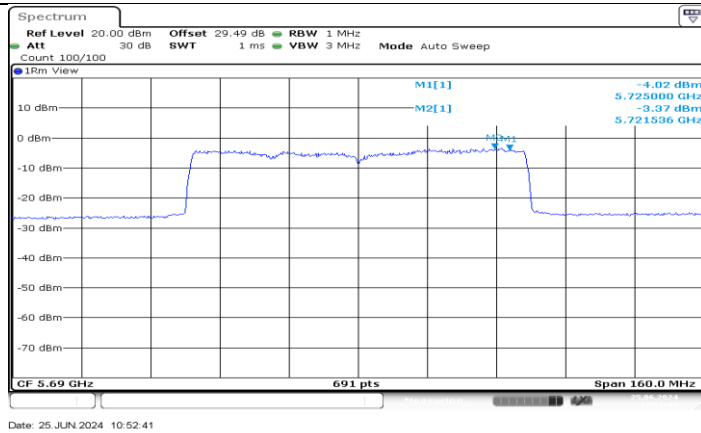
11AX80MIMO_Ant2_5530



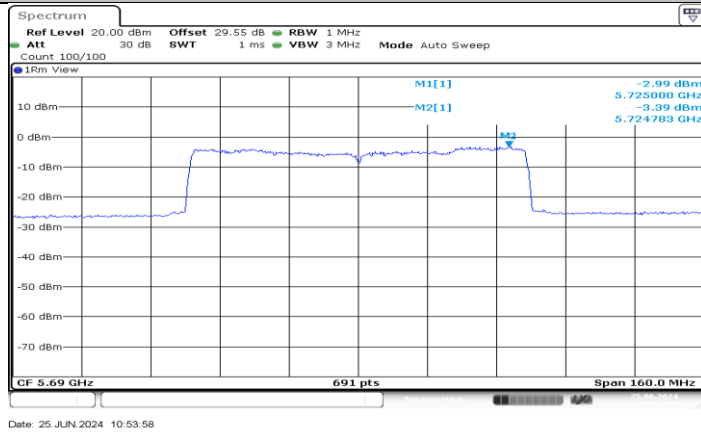
11AX80MIMO_Ant1_5610



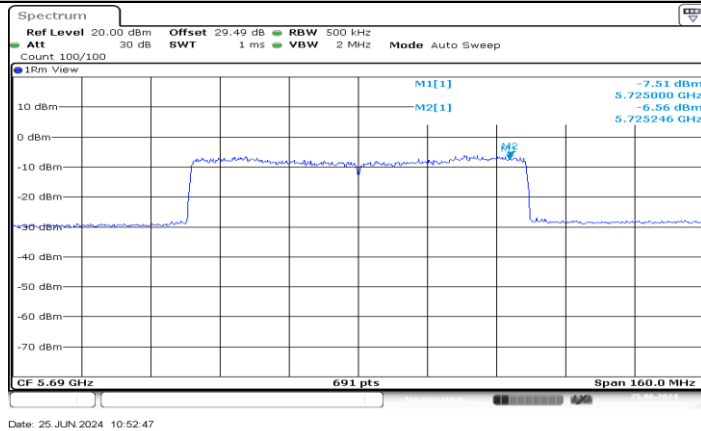
11AX80MIMO_Ant2_5610



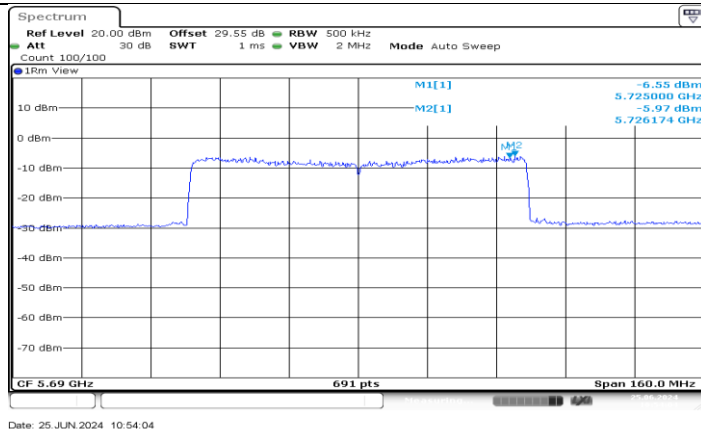
11AX80MIMO_Ant1_5690_UNII-2C



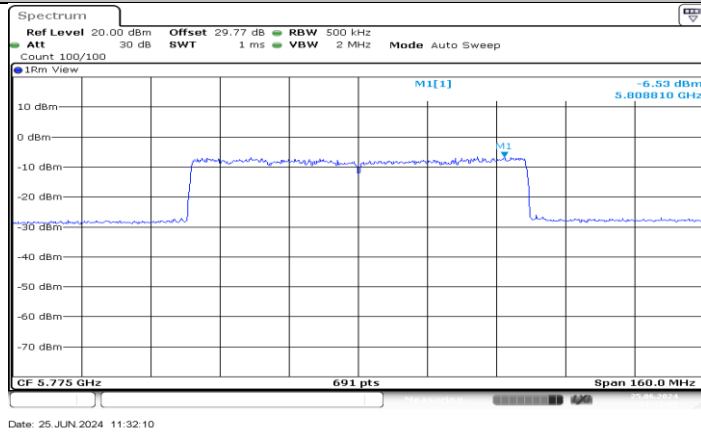
11AX80MIMO_Ant2_5690_UNII-2C



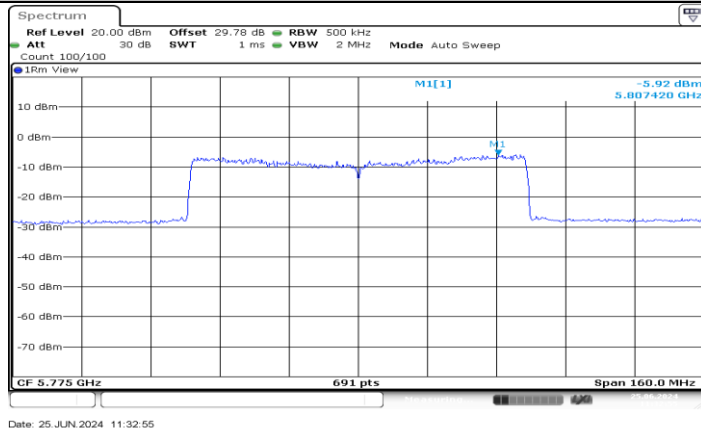
11AX80MIMO_Ant1_5690_UNII-3



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: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	5199.9893	-2.07	5199.9902	-1.89	5199.9847	-2.94	5199.9894	-2.04
TN	VN	5200.0012	0.23	5199.9946	-1.04	5200.0016	0.30	5200.0079	1.52
TN	VH	5199.9763	-4.56	5199.9834	-3.20	5199.9970	-0.58	5199.9763	-4.55
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	5199.9792	-3.99	5200.0051	0.99	5200.0103	1.98	5199.9817	-3.52
60	VN	5199.9898	-1.96	5199.9827	-3.33	5200.0224	4.31	5200.0149	2.86
50	VN	5199.9927	-1.41	5199.9771	-4.39	5199.9958	-0.81	5200.0191	3.68
40	VN	5200.0041	0.79	5200.0057	1.09	5199.9957	-0.83	5199.9988	-0.23
30	VN	5199.9881	-2.29	5199.9845	-2.98	5199.9777	-4.28	5200.0035	0.67
20	VN	5200.0190	3.66	5199.9796	-3.93	5199.9763	-4.57	5200.0231	4.44
10	VN	5200.0218	4.18	5200.0103	1.97	5199.9999	-0.01	5200.0135	2.59
0	VN	5199.9928	-1.39	5200.0086	1.65	5200.0085	1.64	5200.0032	0.61

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	1.36	1.86	0.7312	73.12	1.36	0.74	1
11N20MIMO	1.14	1.64	0.6951	69.51	1.58	0.88	1
11N40MIMO	0.57	1.07	0.5327	53.27	2.74	1.75	2
11AC80MIMO	0.29	0.79	0.3671	36.71	4.35	3.45	4
11AX20MIMO	0.99	1.49	0.6644	66.44	1.78	1.01	2
11AX80MIMO	0.28	0.78	0.3590	35.90	4.45	3.57	4

Note:

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

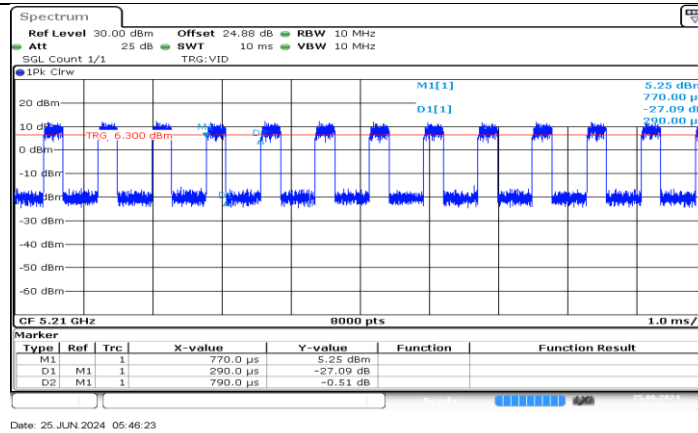
Where: x is Duty Cycle (Linear)

Where: T is On Time

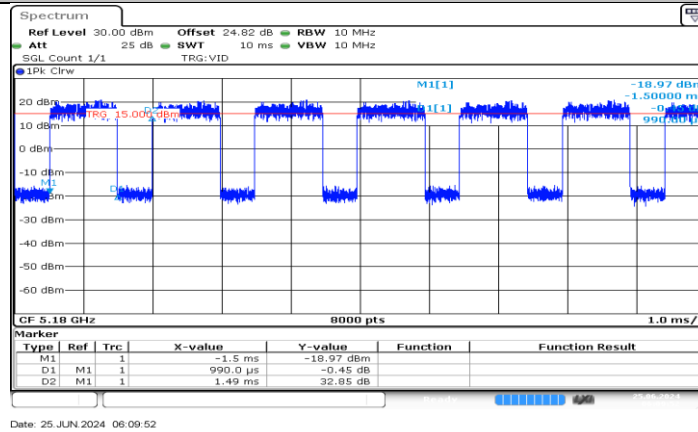
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

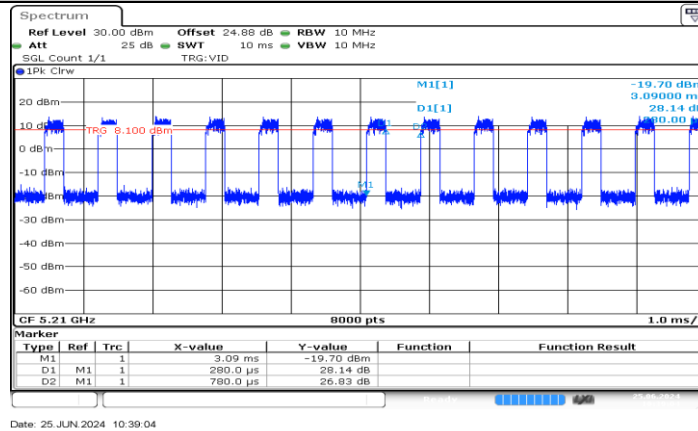




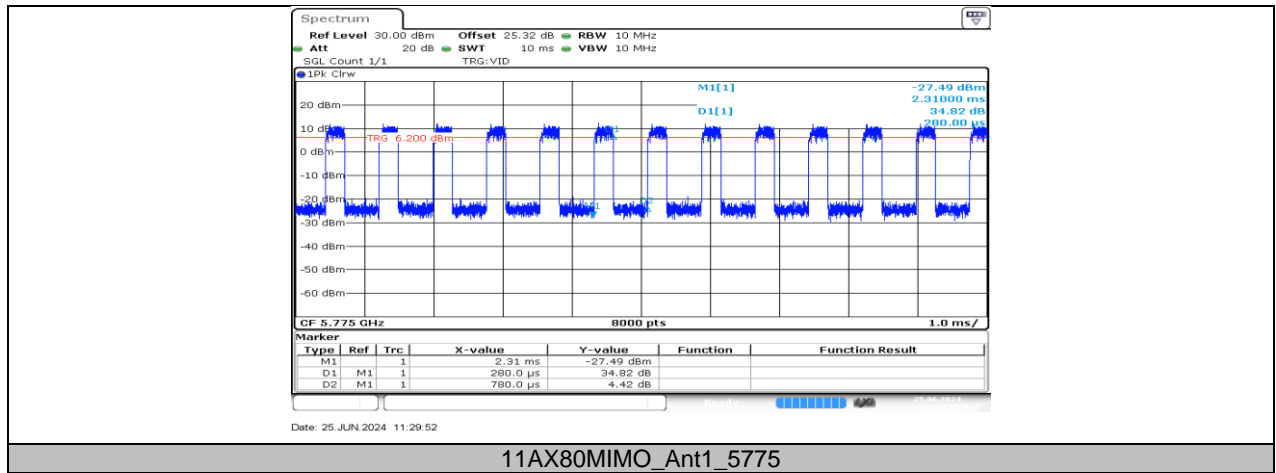
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180

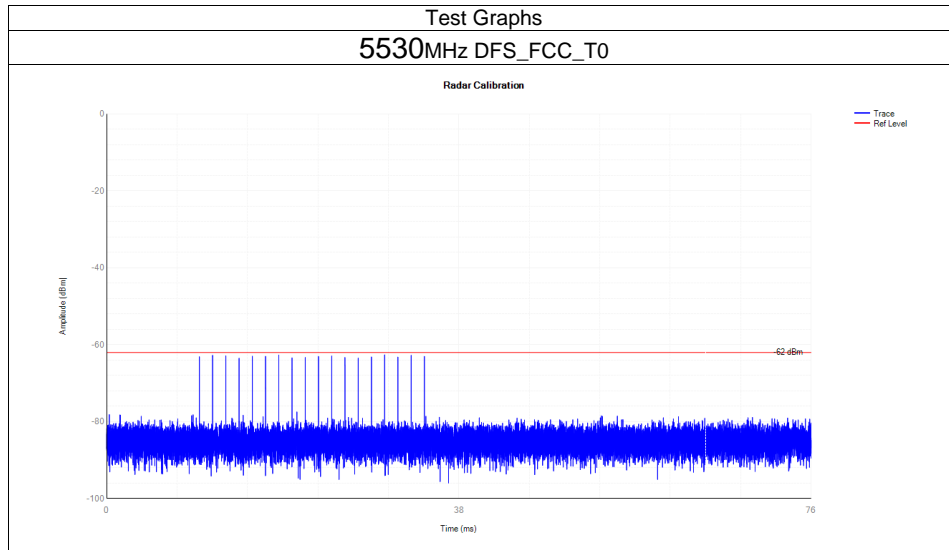


11AX80MIMO_Ant1_5210



11.8. APPENDIX H: CALIBRATION

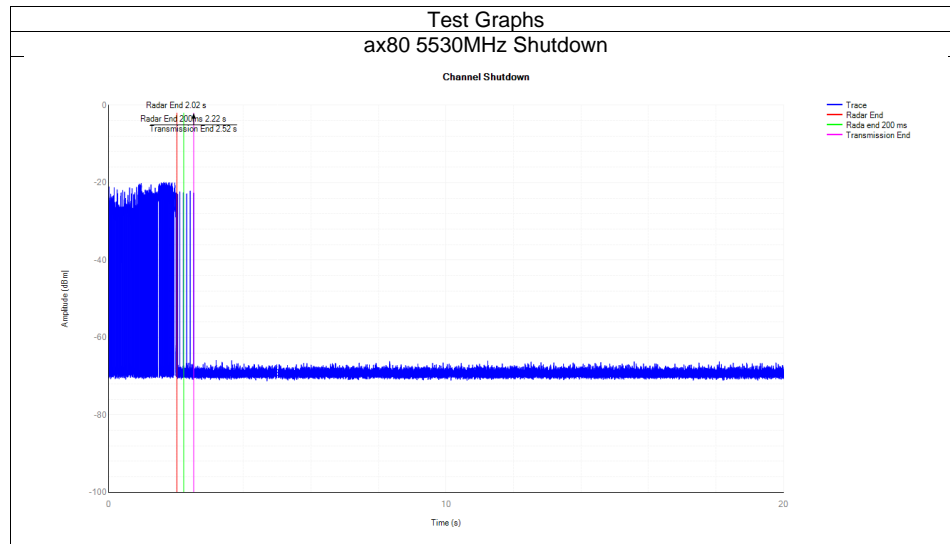
Mode	Frequency (MHz)	Type	Result	Verdict
ax80	5530	DFS_FCC_T0	See test Graph	Pass



11.9. APPENDIX I: SHUTDOWN TIME

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5530	0.496	10	0.007	0.26	0.004	0.06	Pass

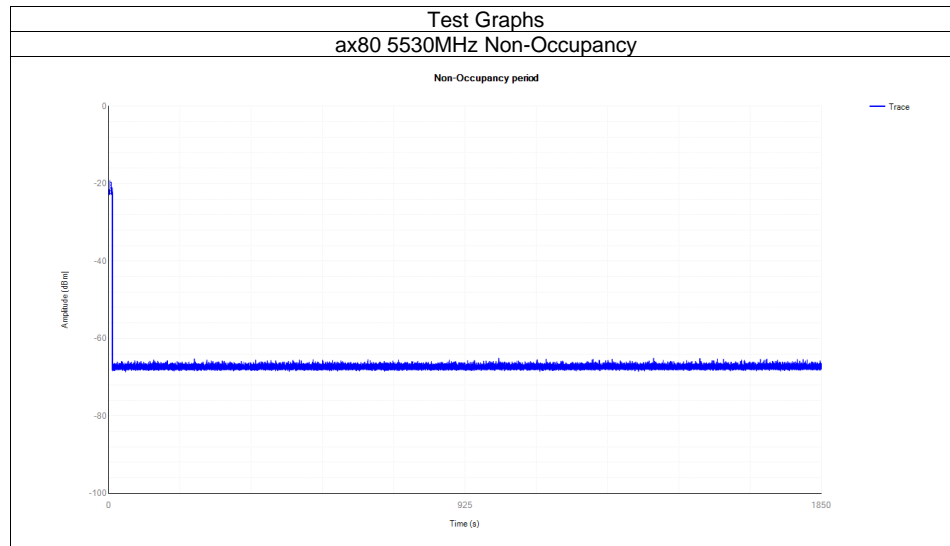
Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



11.10. APPENDIX J: NON-OCCUPANCY

Mode	Frequency (MHz)	Result	Verdict
ax80	5530	See test Graph	Pass

Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



END OF REPORT