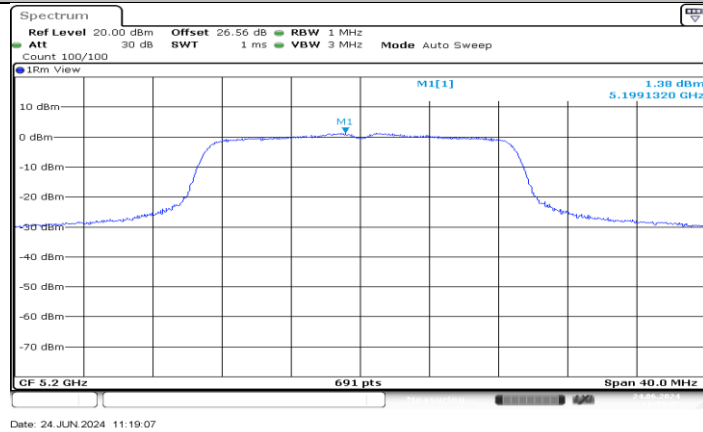
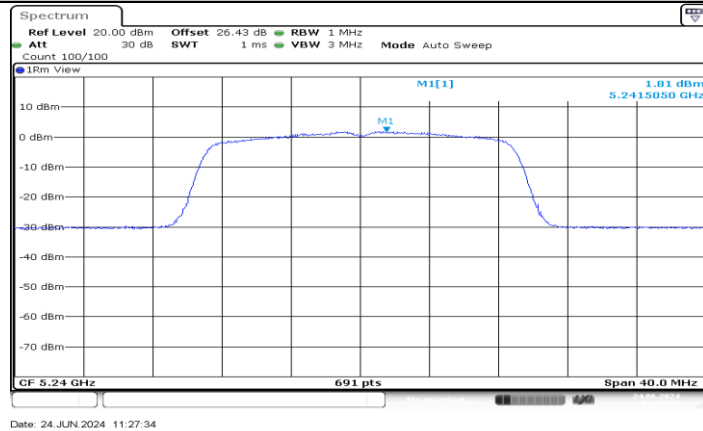


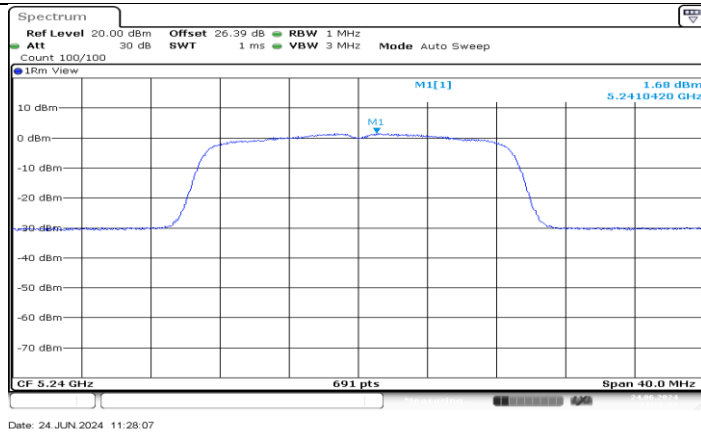
11N20MIMO_Ant1_5200



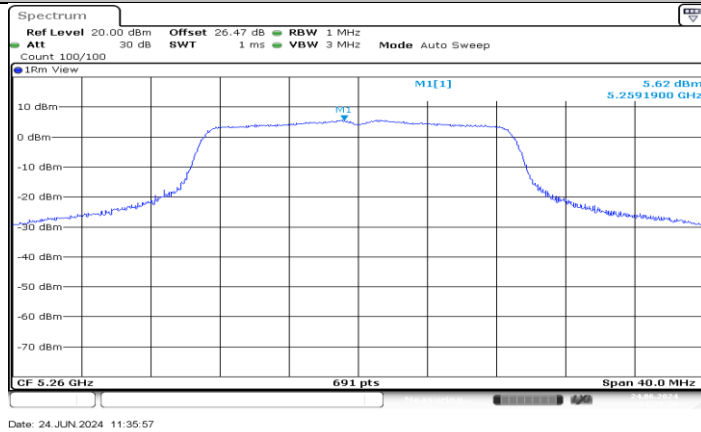
11N20MIMO_Ant2_5200



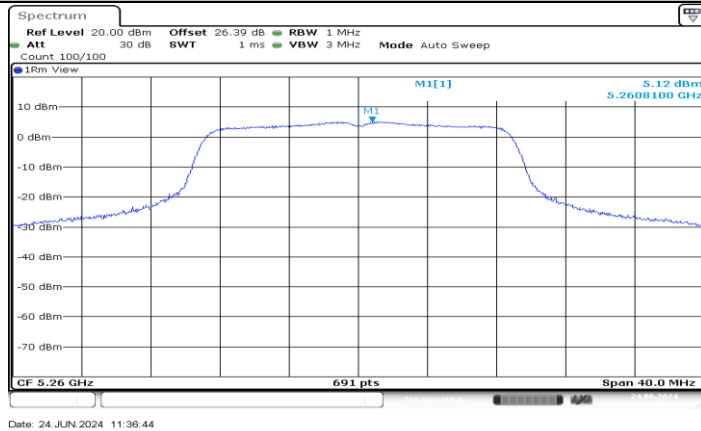
11N20MIMO_Ant1_5240



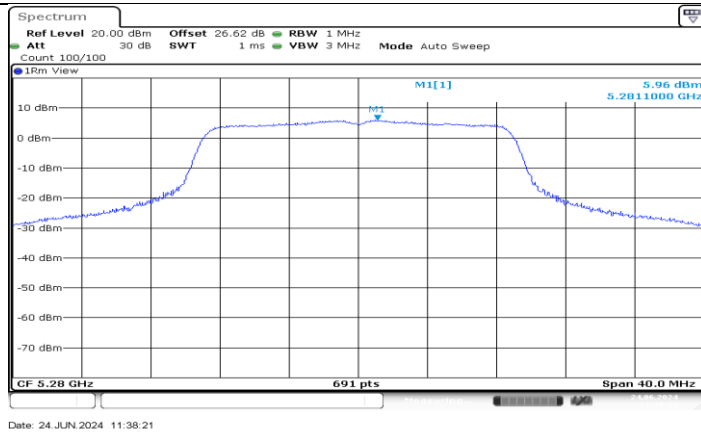
11N20MIMO_Ant2_5240



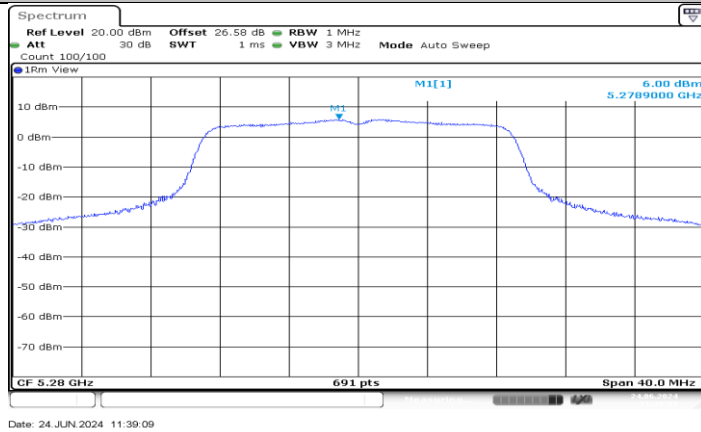
11N20MIMO_Ant1_5260



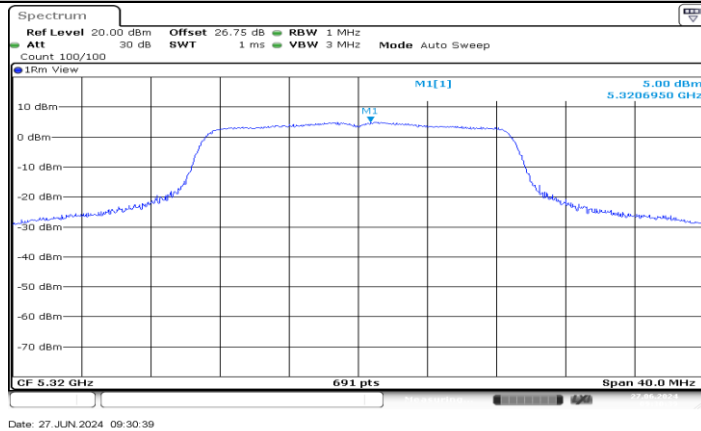
11N20MIMO_Ant2_5260



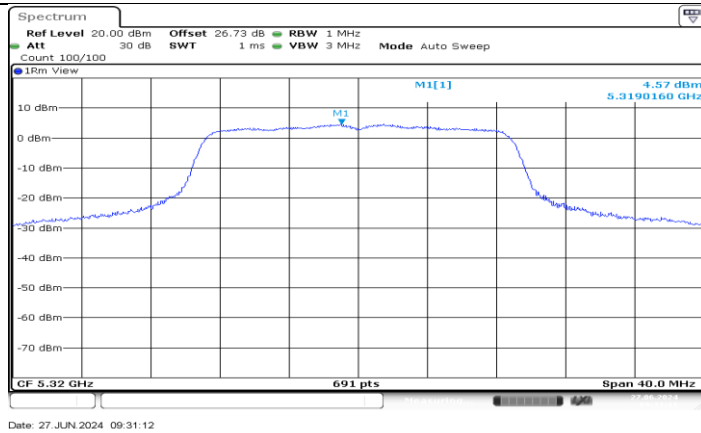
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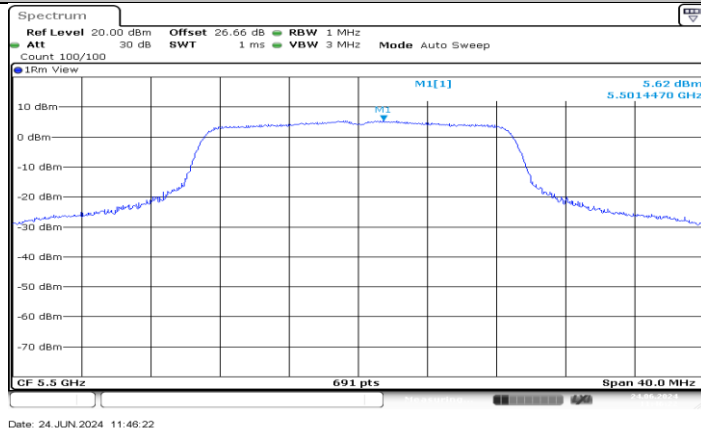
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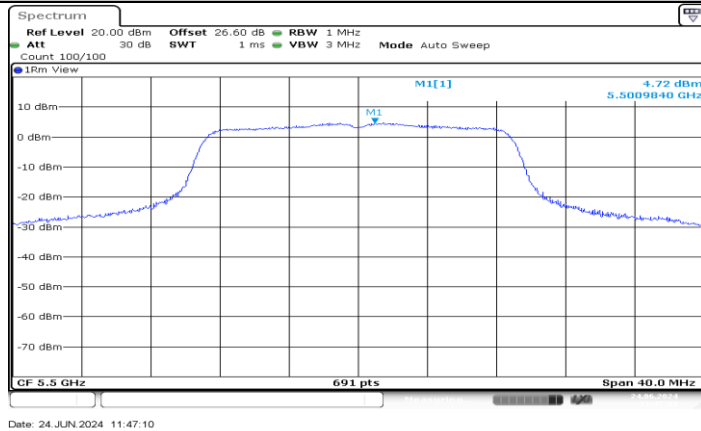
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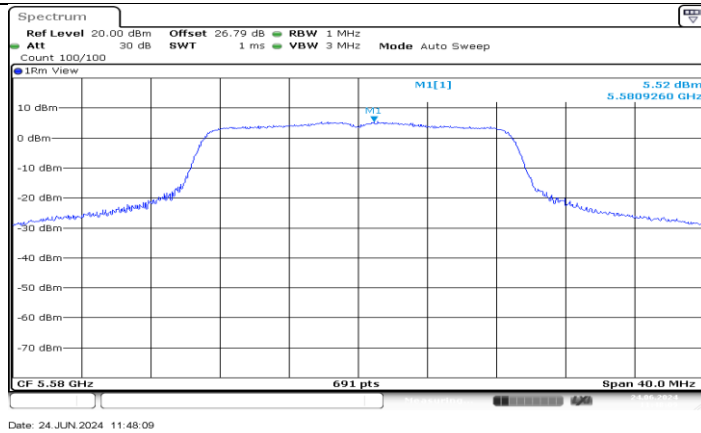
11N20MIMO_Ant2_5320



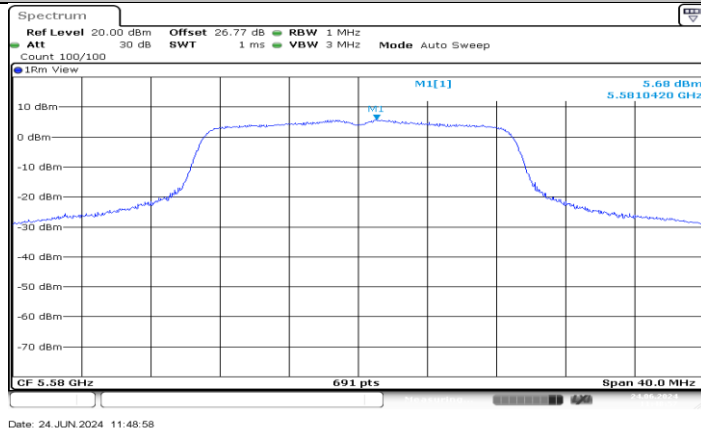
11N20MIMO_Ant1_5500



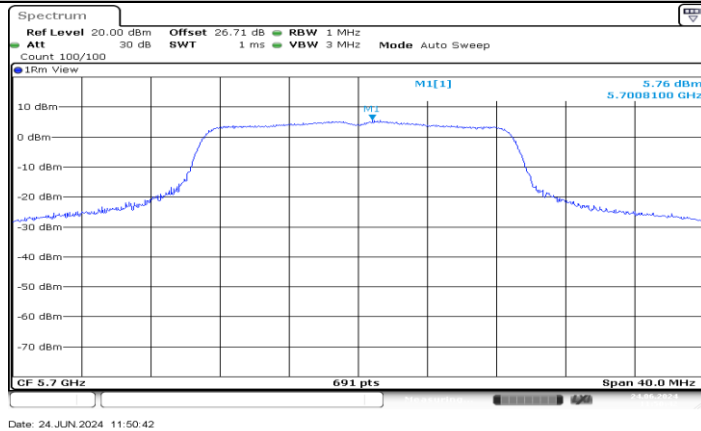
11N20MIMO_Ant2_5500



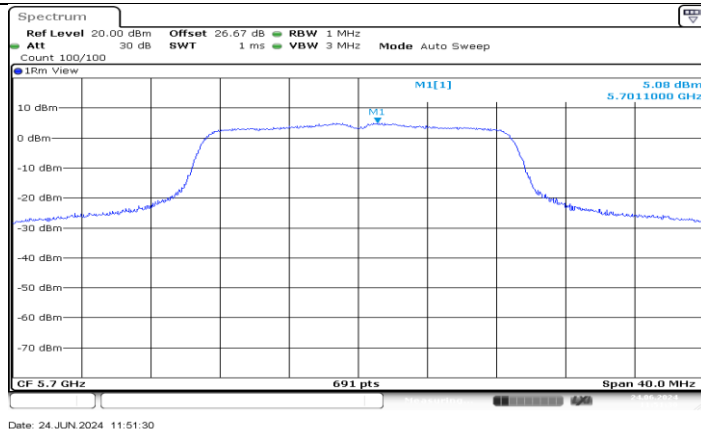
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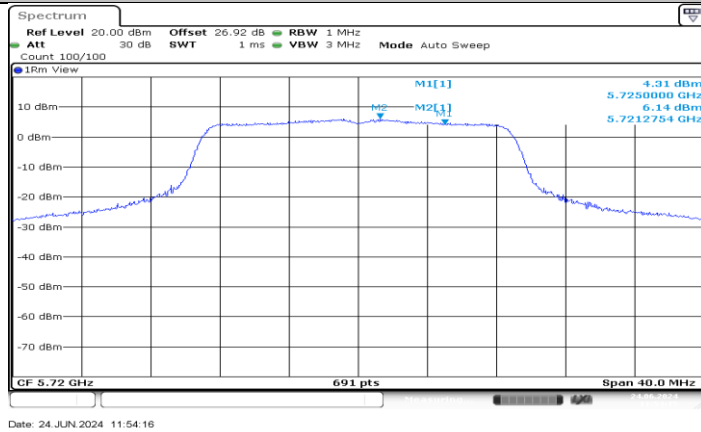
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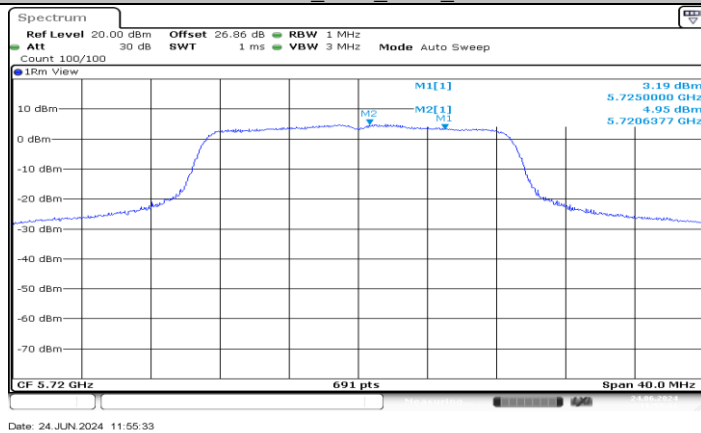
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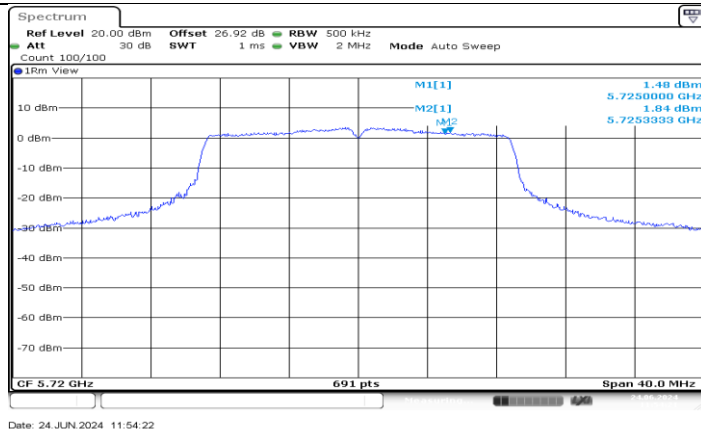
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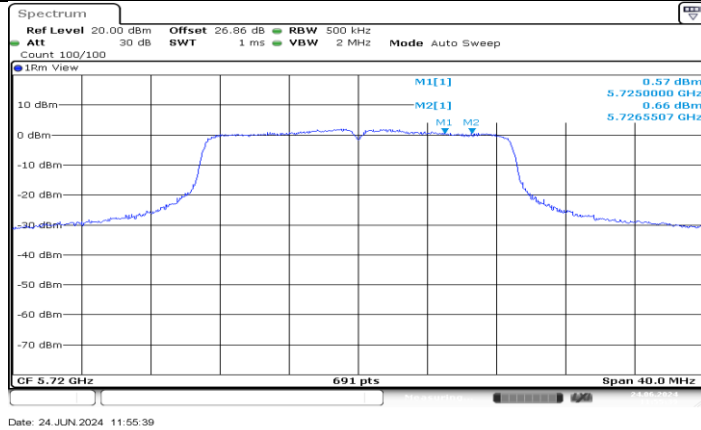
11N20MIMO_Ant1_5720_UNII-2C



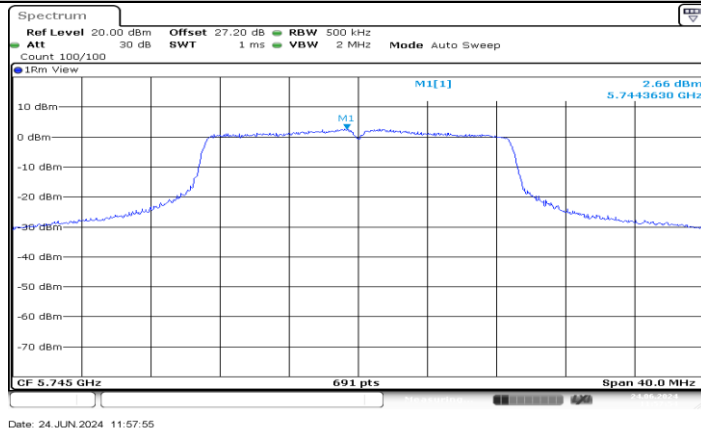
11N20MIMO_Ant2_5720_UNII-2C



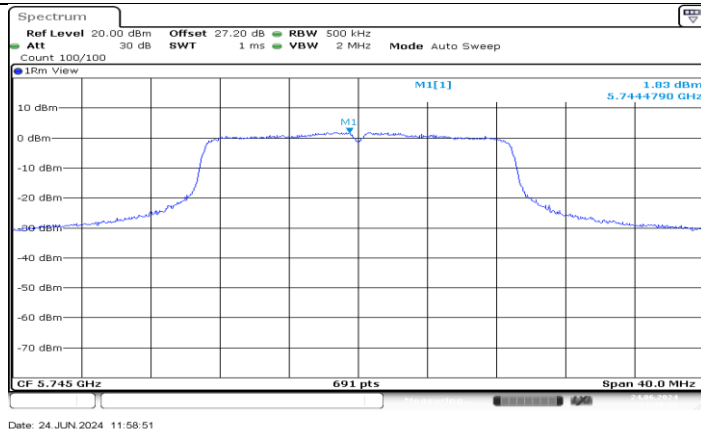
11N20MIMO_Ant1_5720_UNII-3



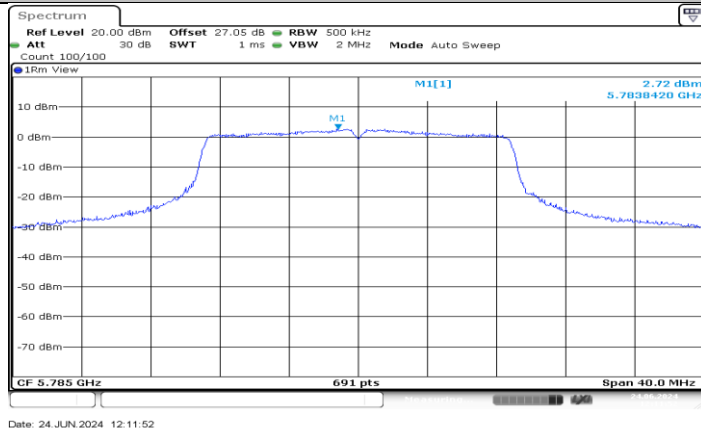
11N20MIMO_Ant2_5720_UNII-3



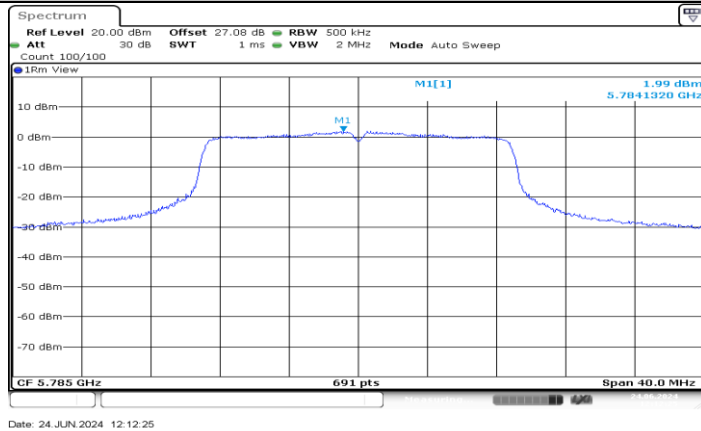
11N20MIMO_Ant1_5745



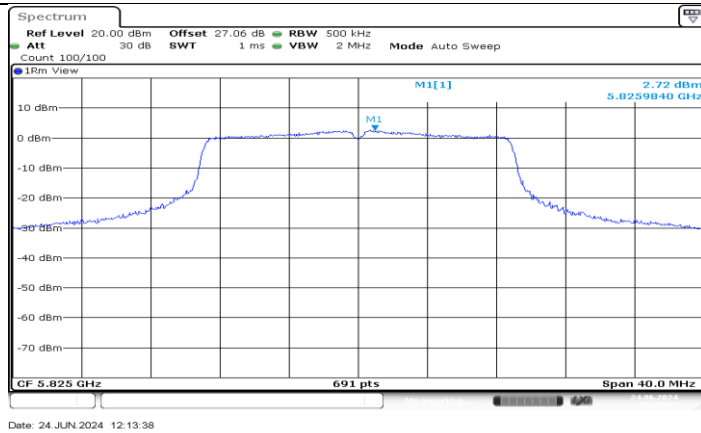
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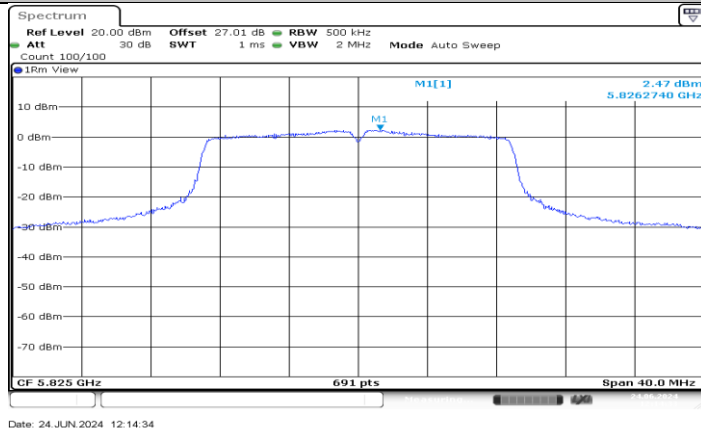
11N20MIMO_Ant1_5785



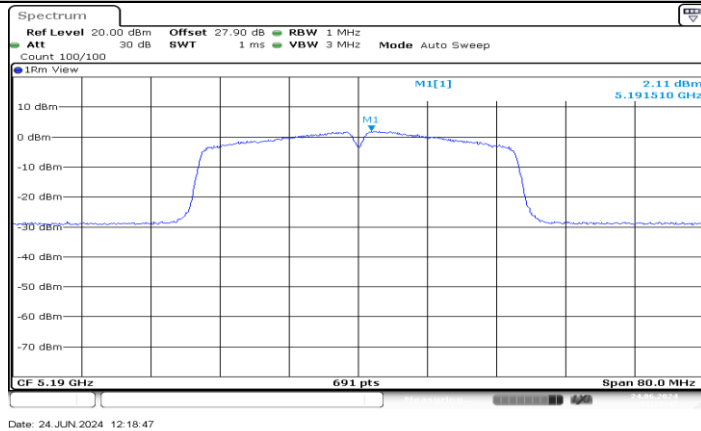
11N20MIMO_Ant2_5785



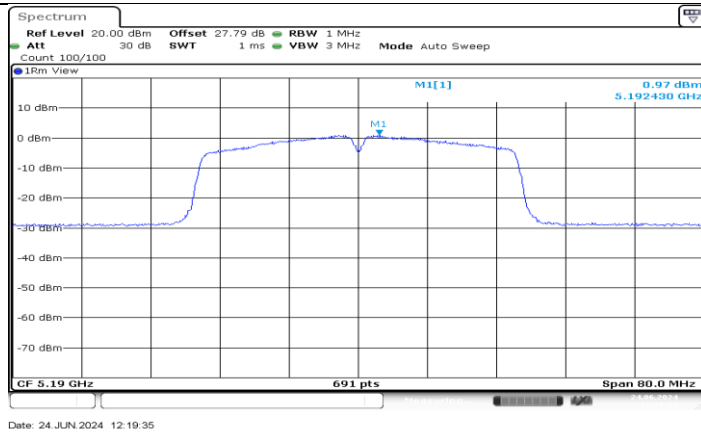
11N20MIMO_Ant1_5825



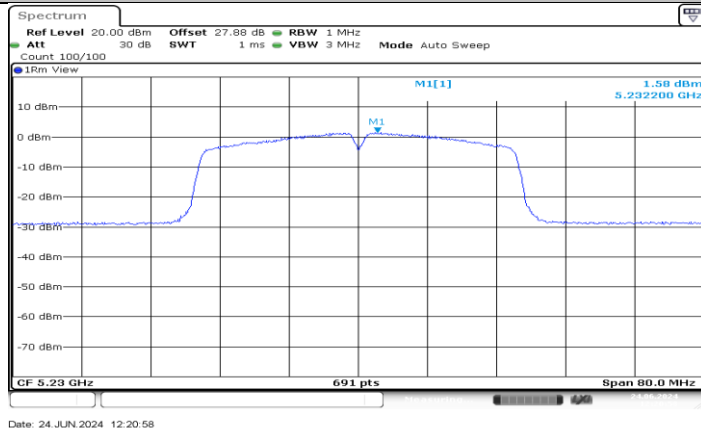
11N20MIMO_Ant2_5825



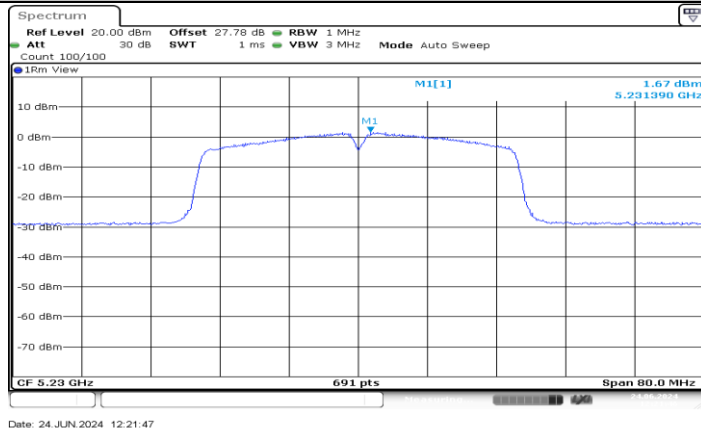
11N40MIMO_Ant1_5190



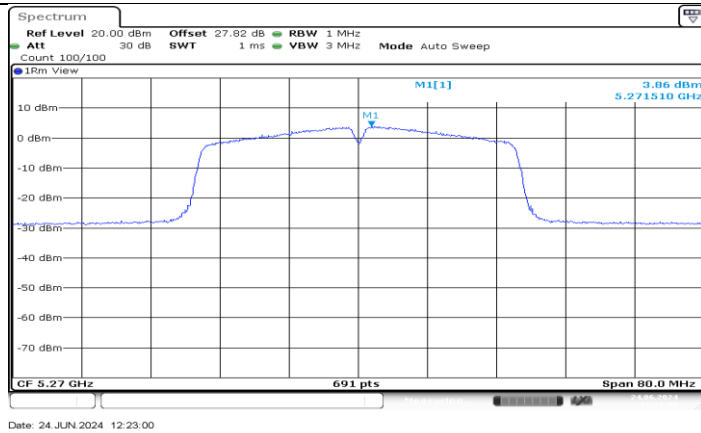
11N40MIMO_Ant2_5190



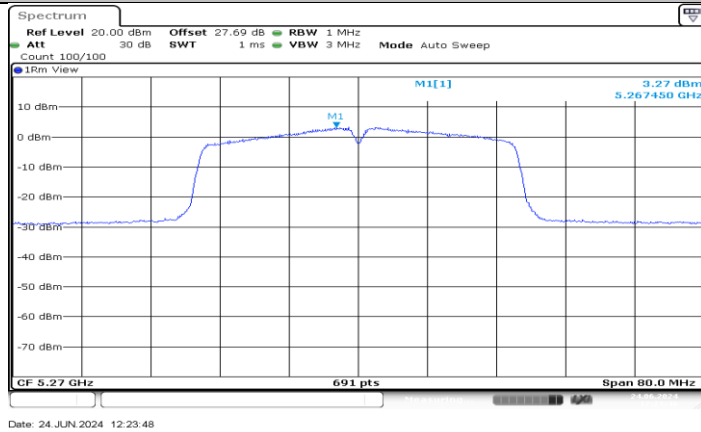
11N40MIMO_Ant1_5230



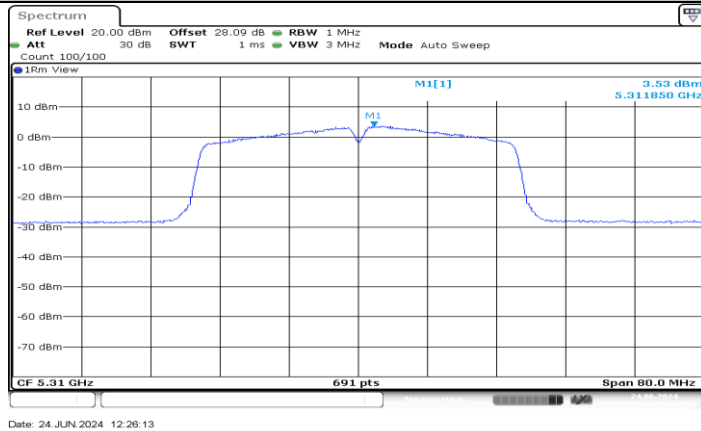
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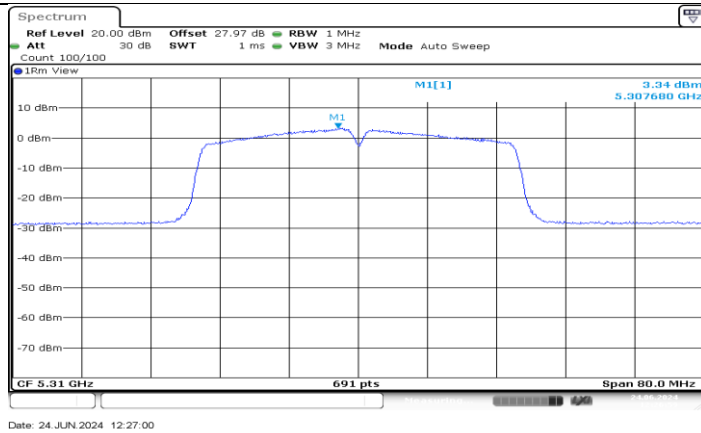
11N40MIMO_Ant1_5270



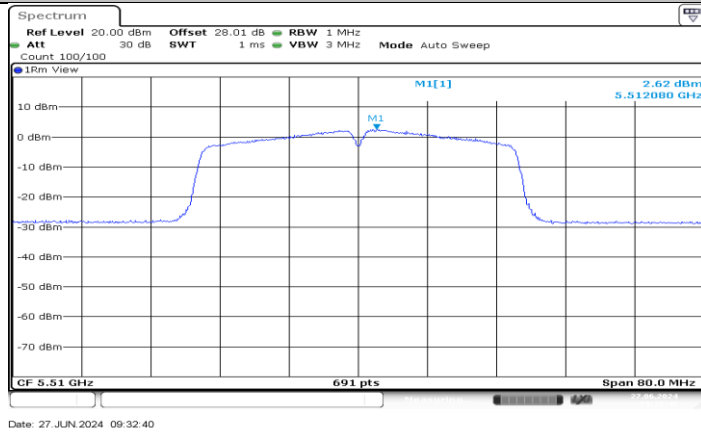
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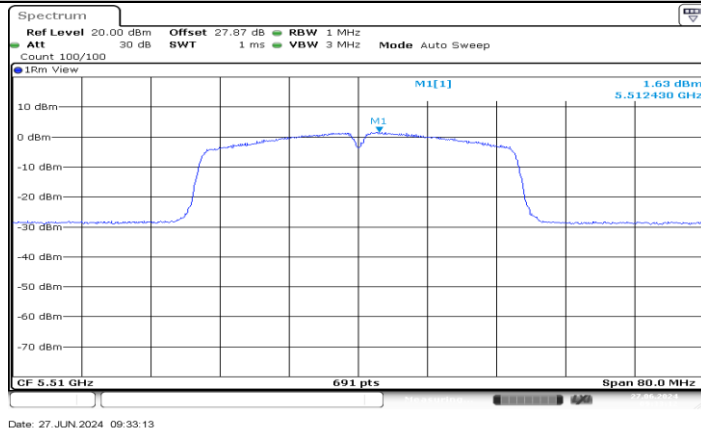
11N40MIMO_Ant1_5310



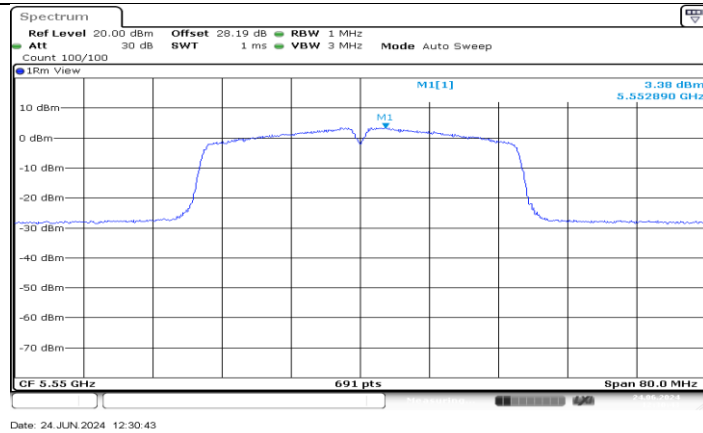
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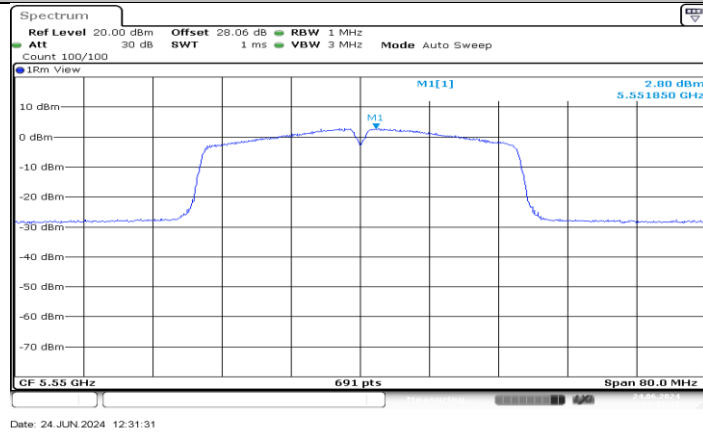
11N40MIMO_Ant1_5510



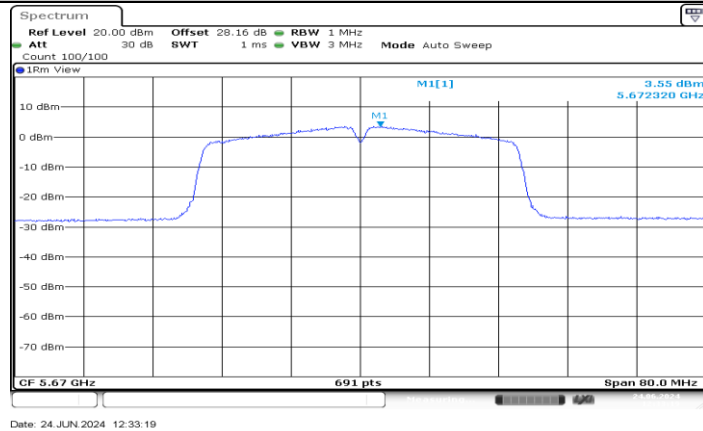
11N40MIMO_Ant2_5510



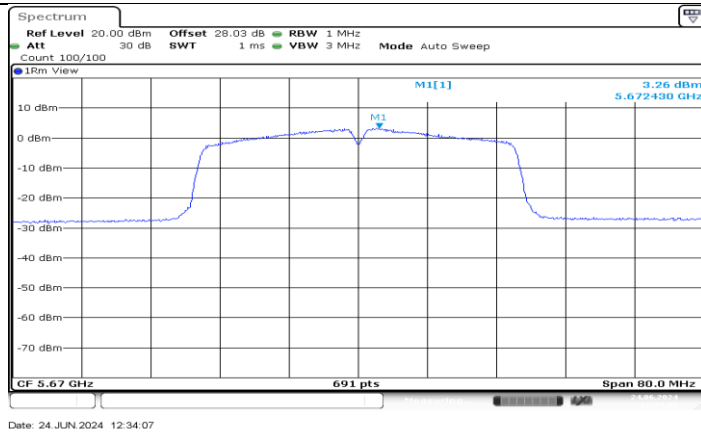
11N40MIMO_Ant1_5550



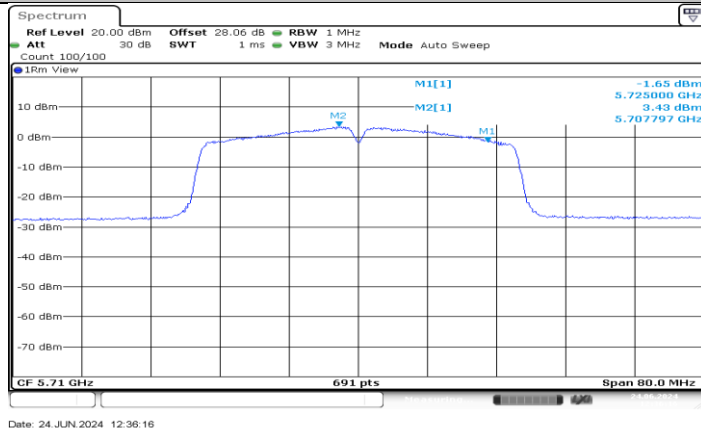
11N40MIMO_Ant2_5550



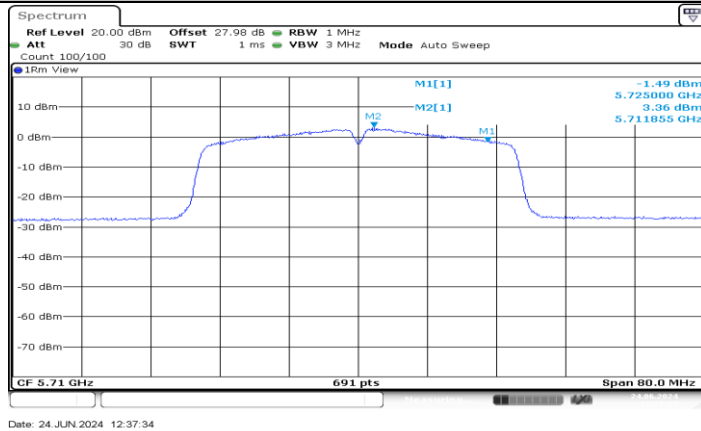
11N40MIMO_Ant1_5670



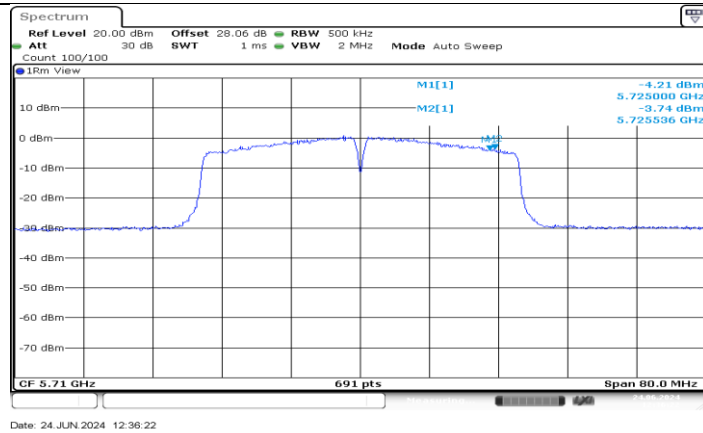
11N40MIMO_Ant2_5670



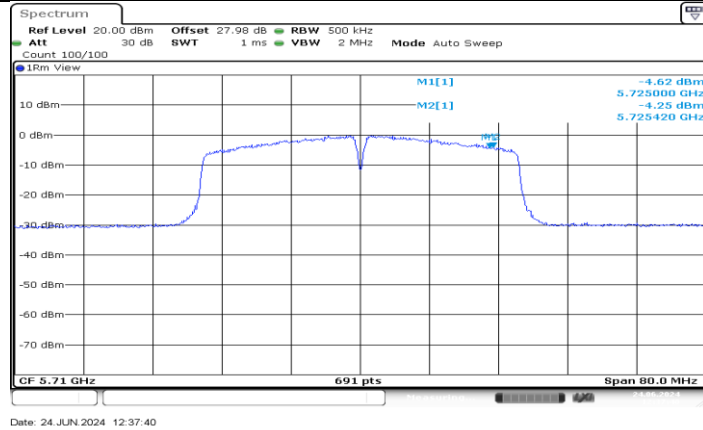
11N40MIMO_Ant1_5710_UNII-2C



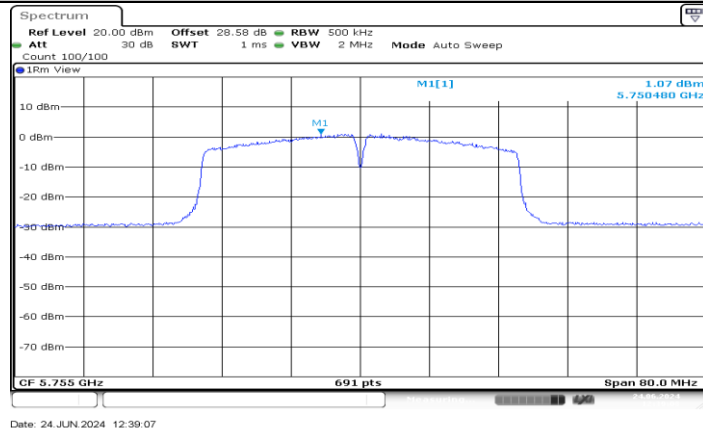
11N40MIMO_Ant2_5710_UNII-2C



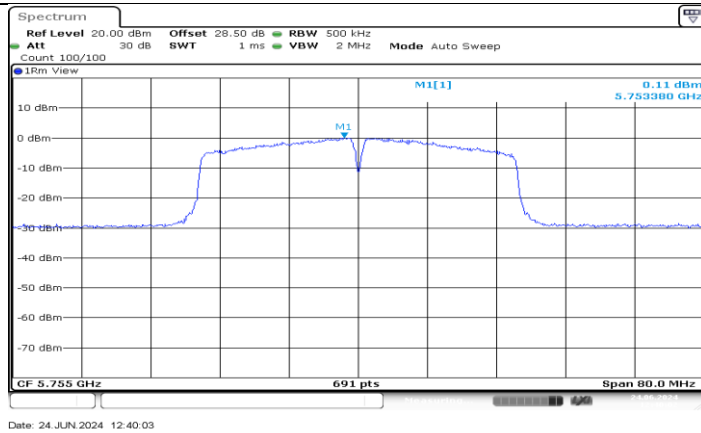
11N40MIMO_Ant1_5710_UNII-3



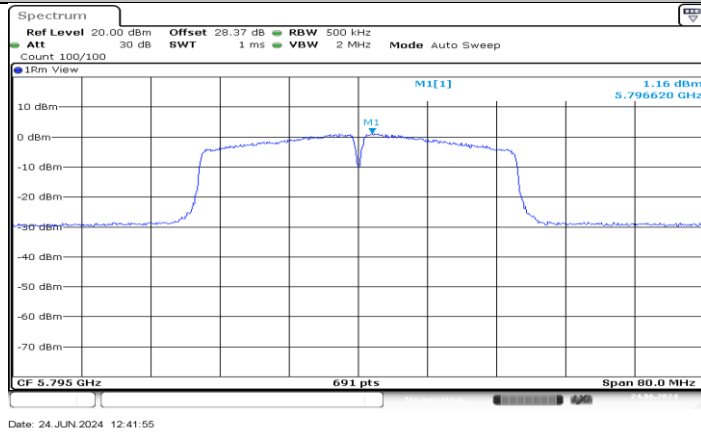
11N40MIMO_Ant2_5710_UNII-3



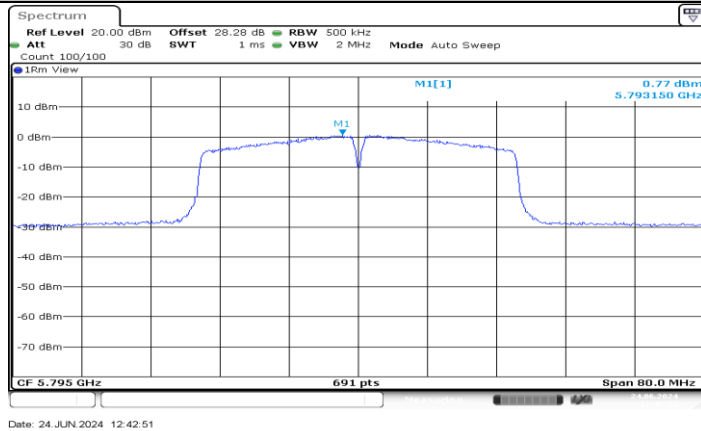
11N40MIMO_Ant1_5755



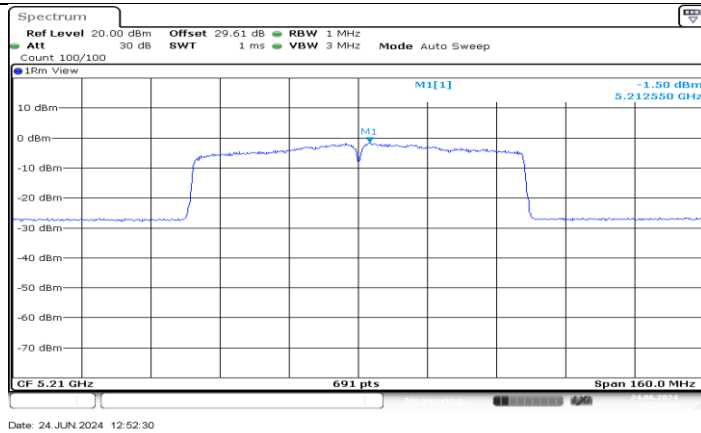
11N40MIMO_Ant2_5755



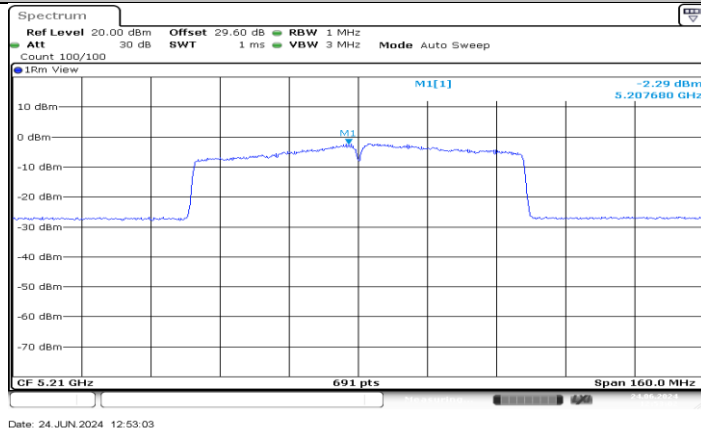
11N40MIMO_Ant1_5795



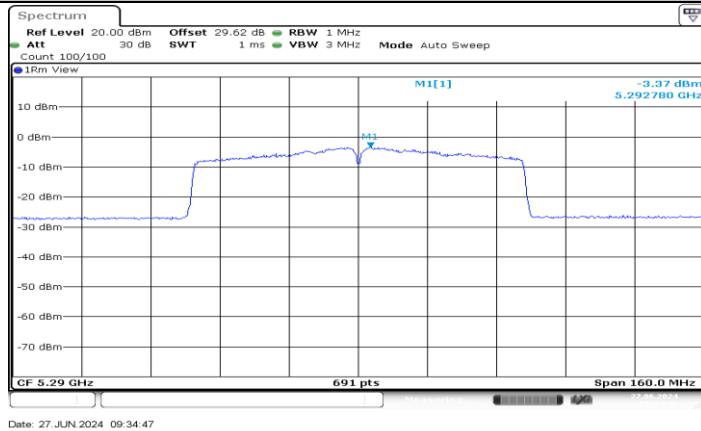
11N40MIMO_Ant2_5795



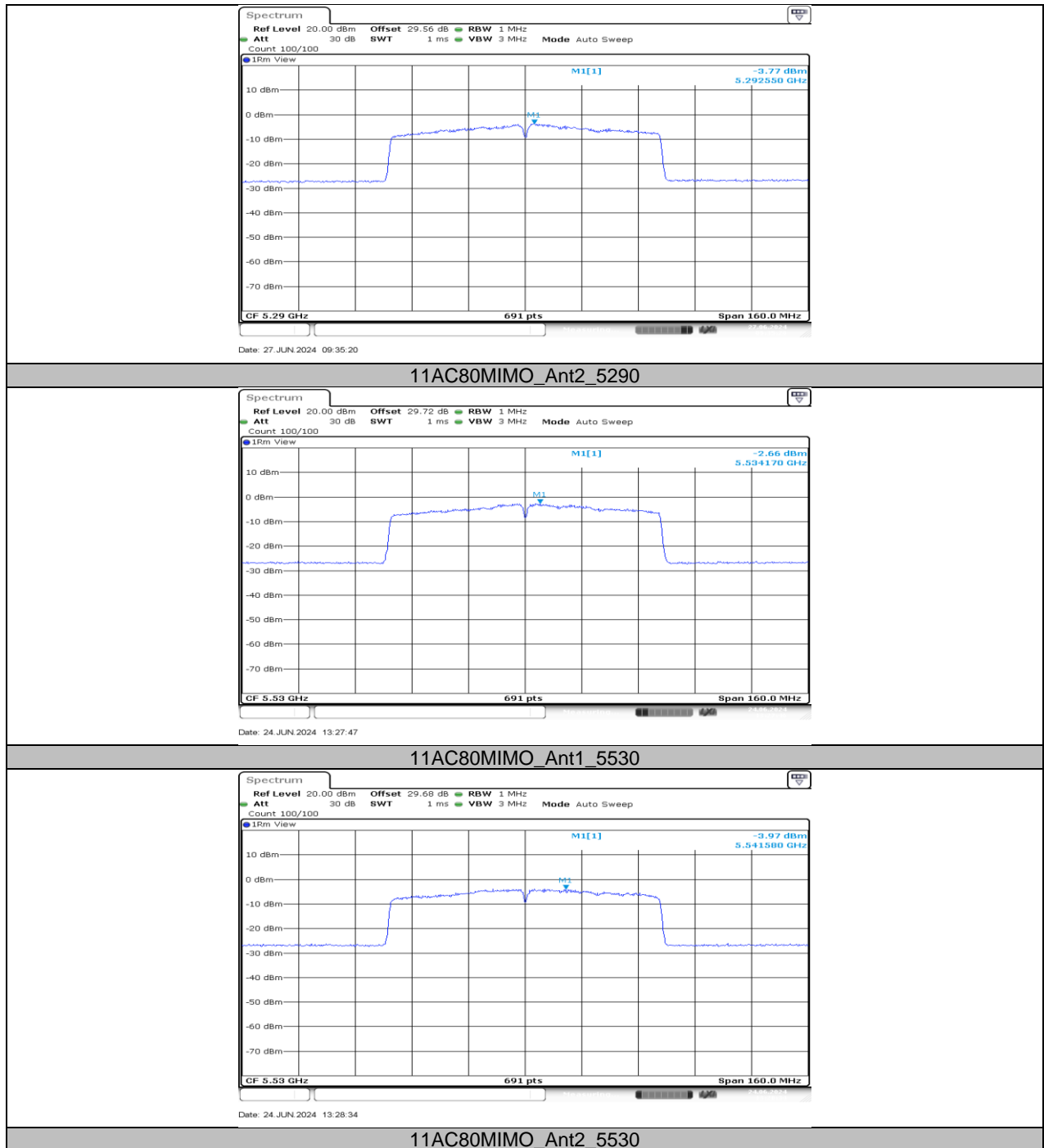
11AC80MIMO_Ant1_5210

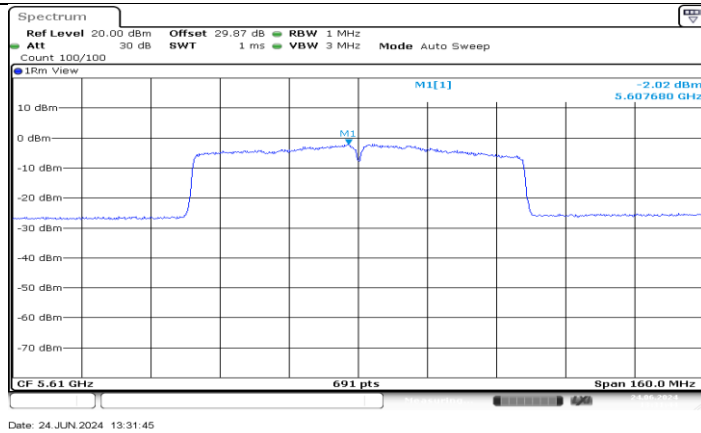


11AC80MIMO_Ant2_5210

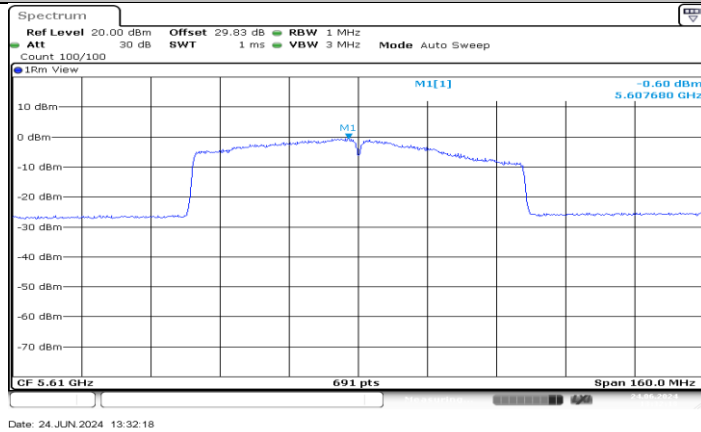


11AC80MIMO_Ant1_5290

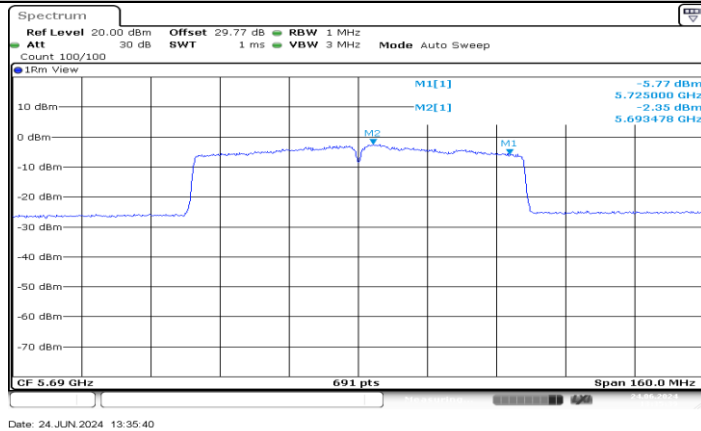




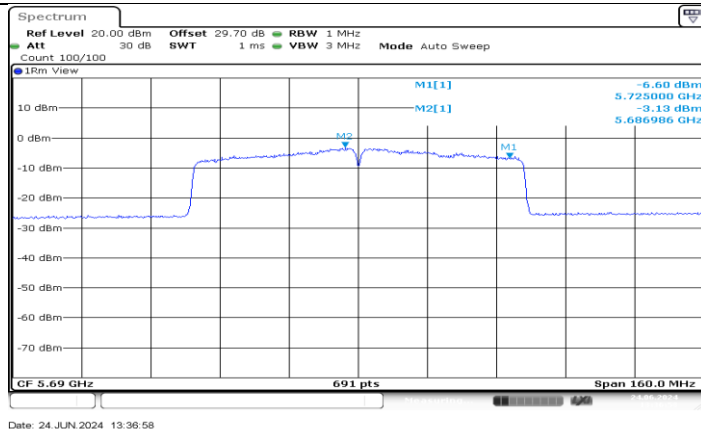
11AC80MIMO_Ant1_5610



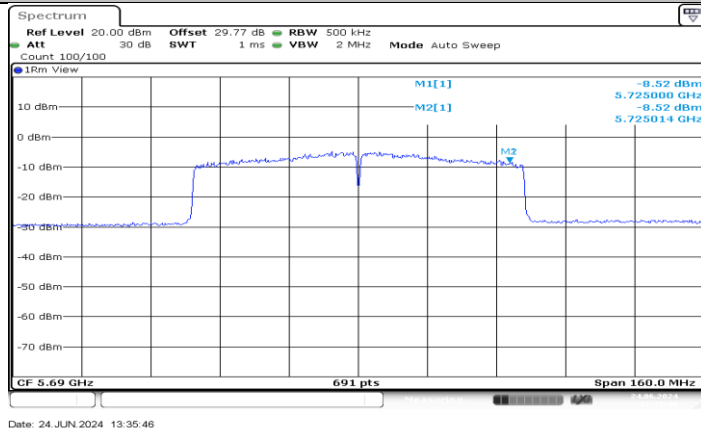
11AC80MIMO_Ant2_5610



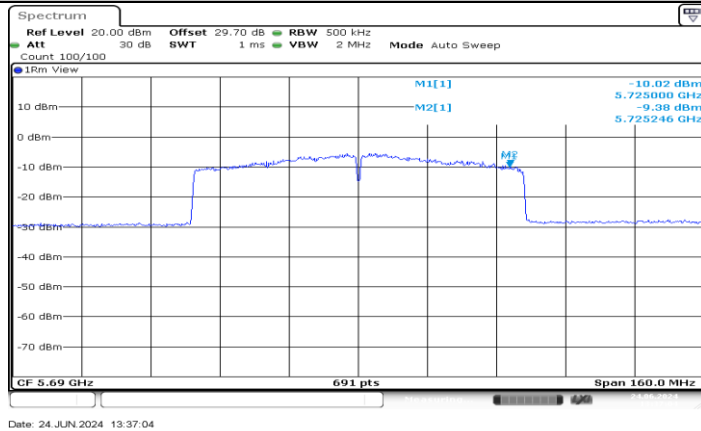
11AC80MIMO_Ant1_5690_UNII-2C



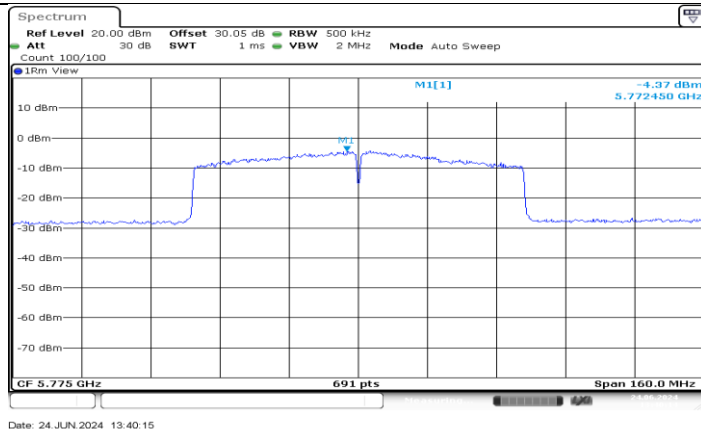
11AC80MIMO_Ant2_5690_UNII-2C



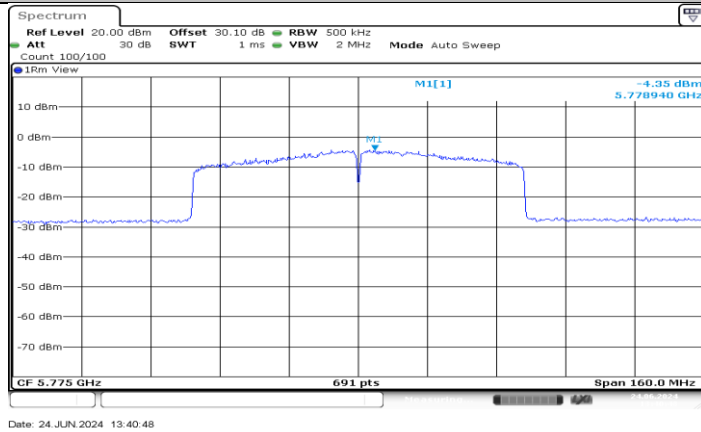
11AC80MIMO_Ant1_5690_UNII-3



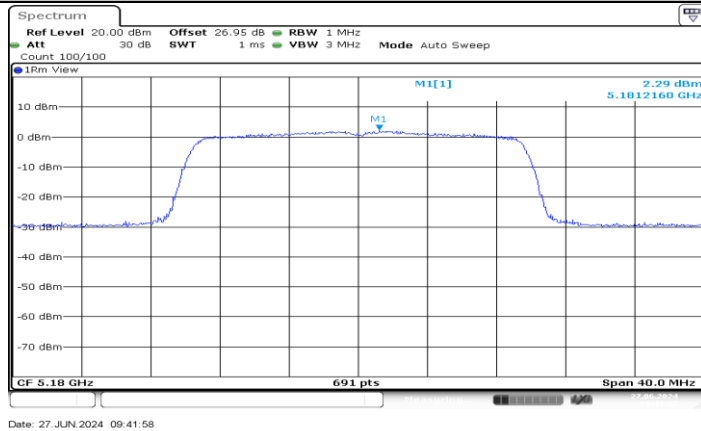
11AC80MIMO_Ant2_5690_UNII-3



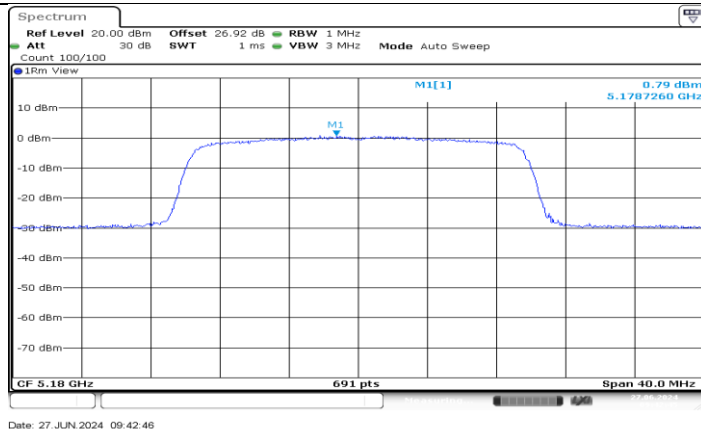
11AC80MIMO_Ant1_5775



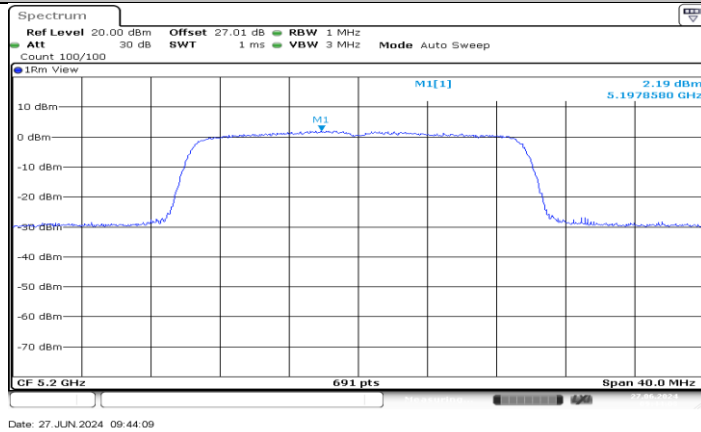
11AC80MIMO_Ant2_5775



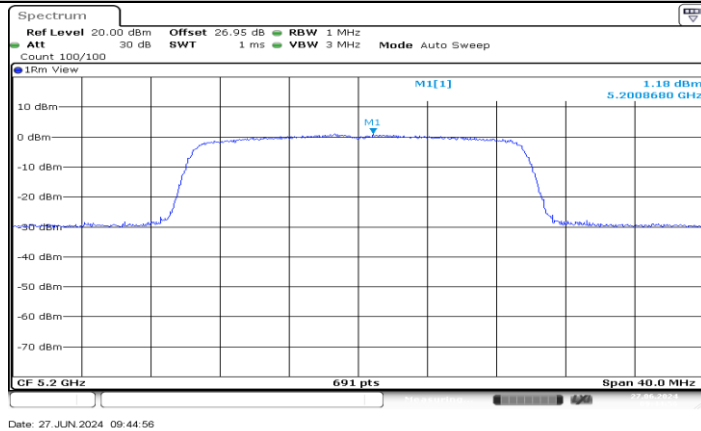
11AX20MIMO_Ant1_5180



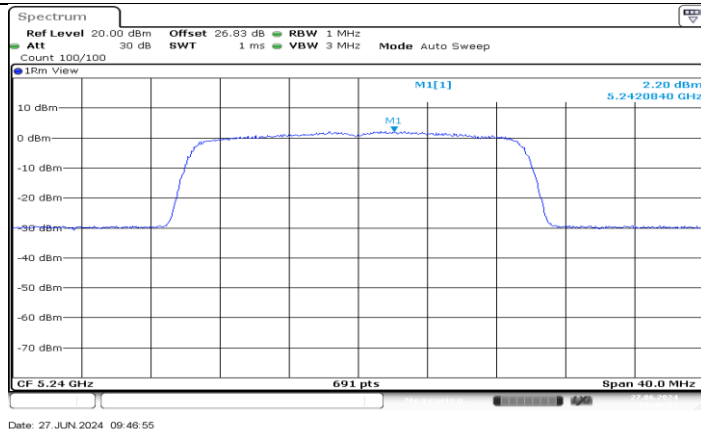
11AX20MIMO_Ant2_5180



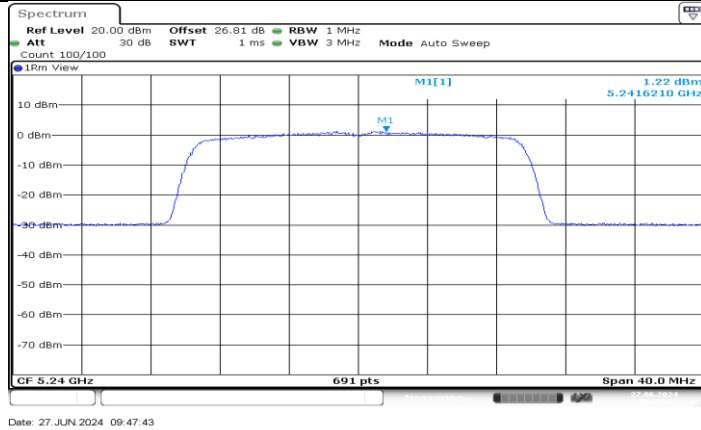
11AX20MIMO_Ant1_5200



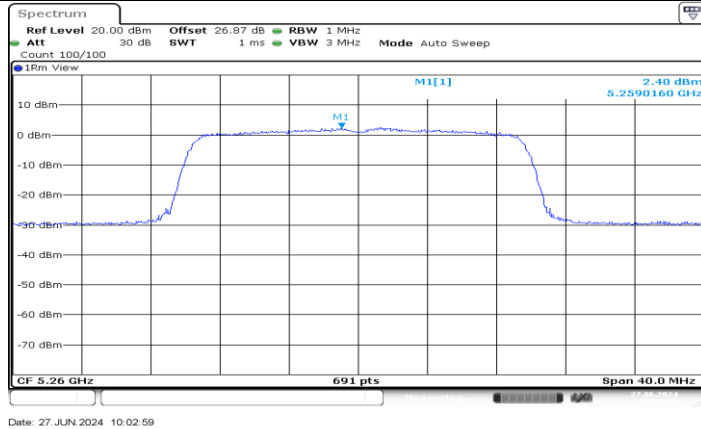
11AX20MIMO_Ant2_5200



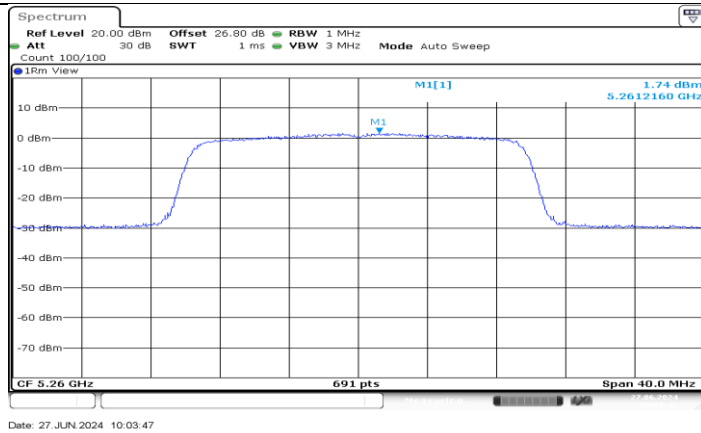
11AX20MIMO_Ant1_5240



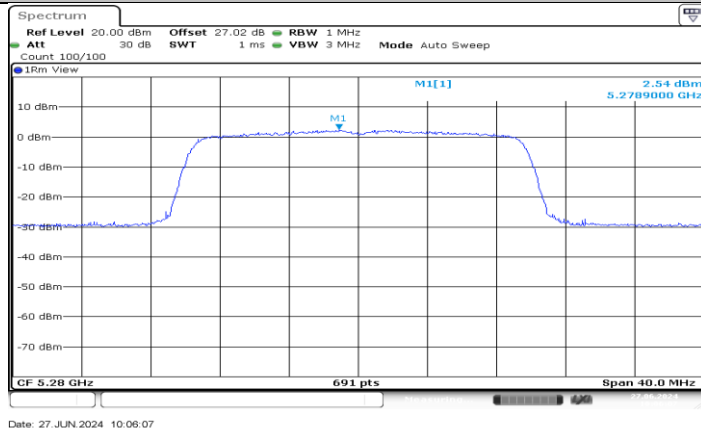
11AX20MIMO_Ant2_5240



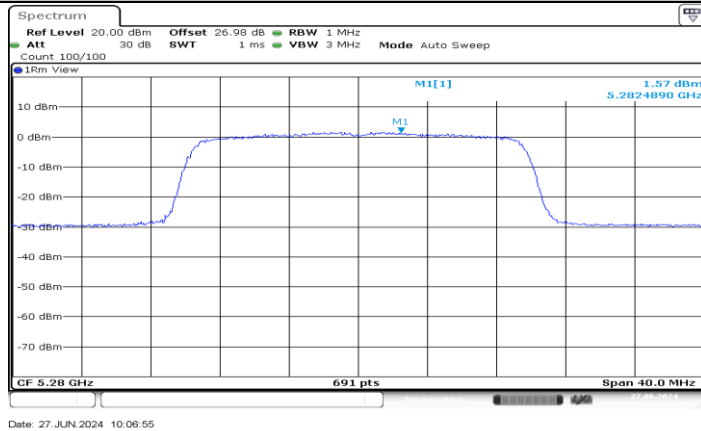
11AX20MIMO_Ant1_5260



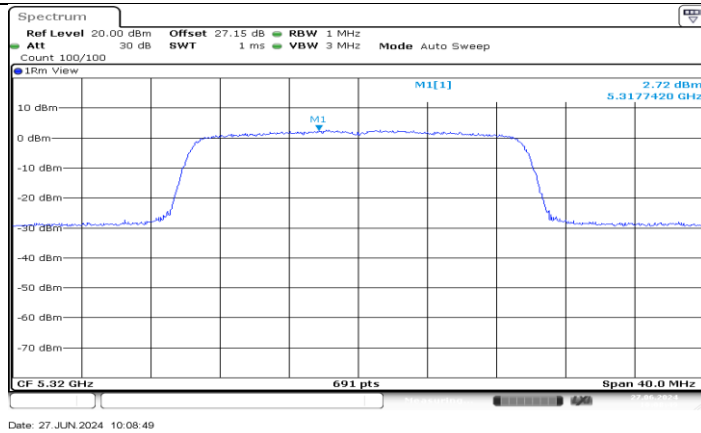
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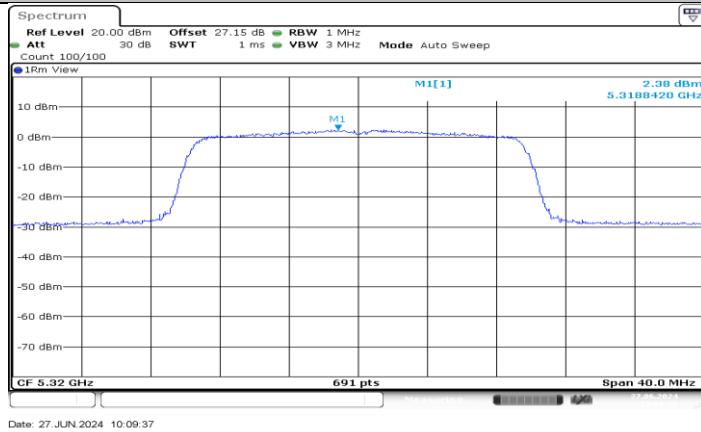
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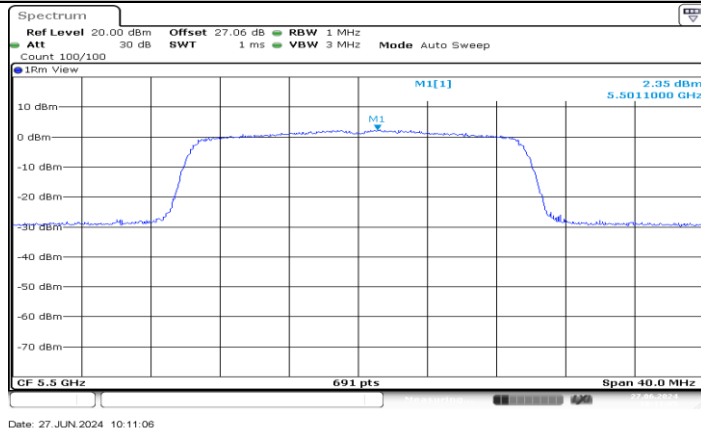
11AX20MIMO_Ant2_5280



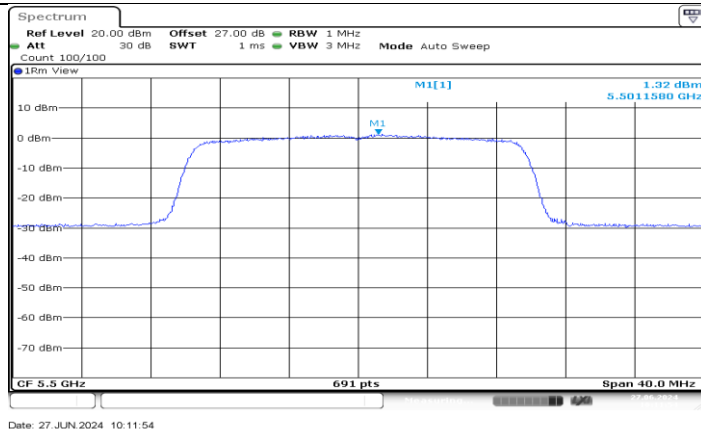
11AX20MIMO_Ant1_5320



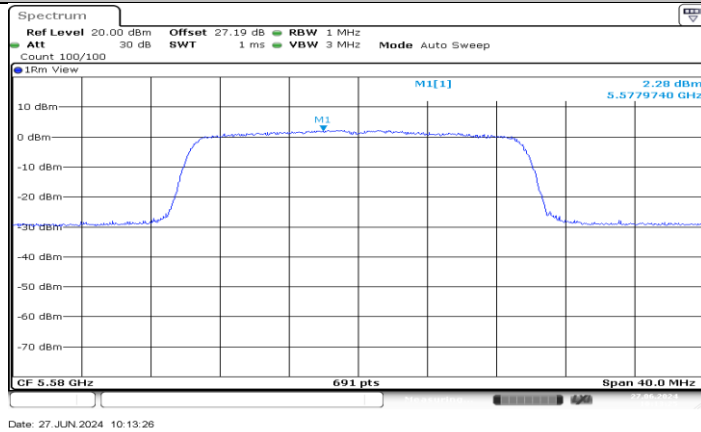
11AX20MIMO_Ant2_5320



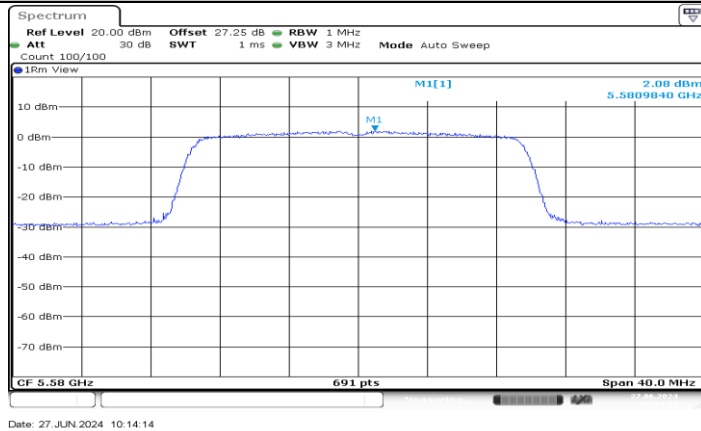
11AX20MIMO_Ant1_5500



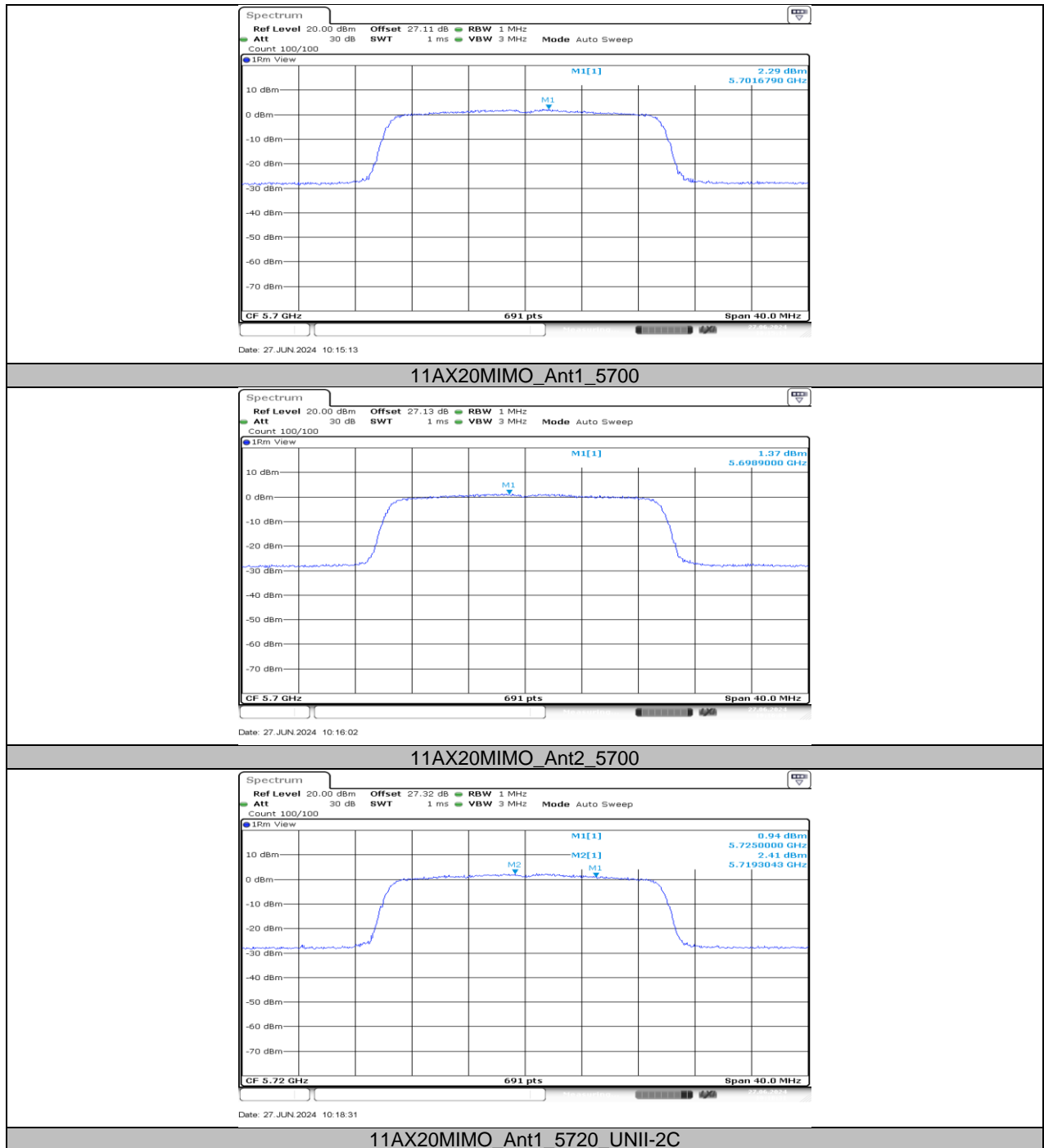
11AX20MIMO_Ant2_5500

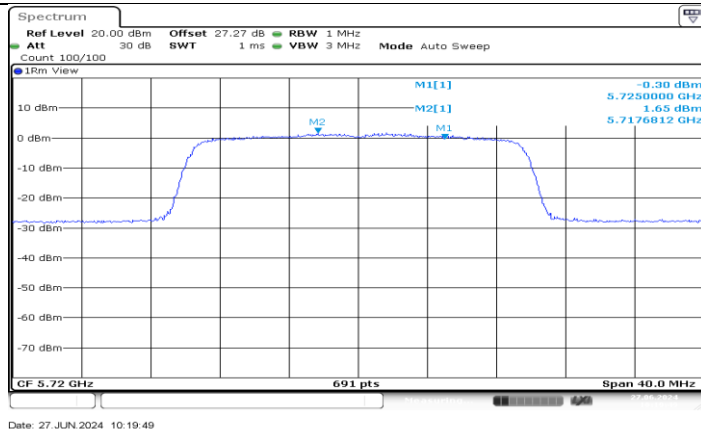


11AX20MIMO_Ant1_5580

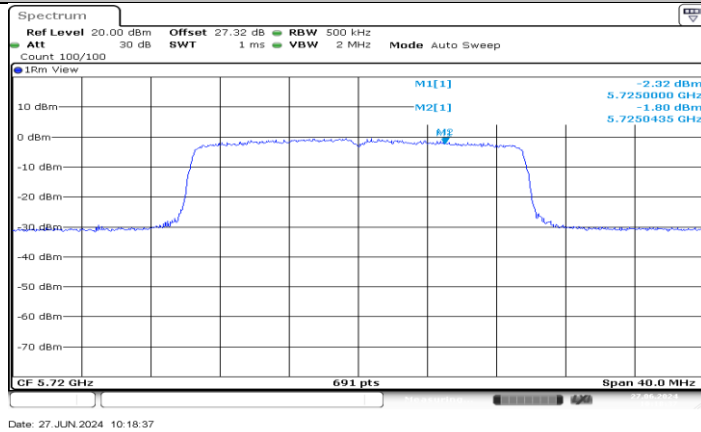


11AX20MIMO_Ant2_5580

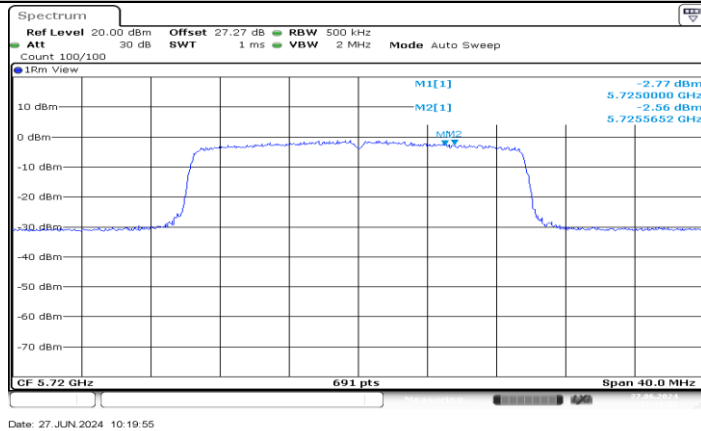




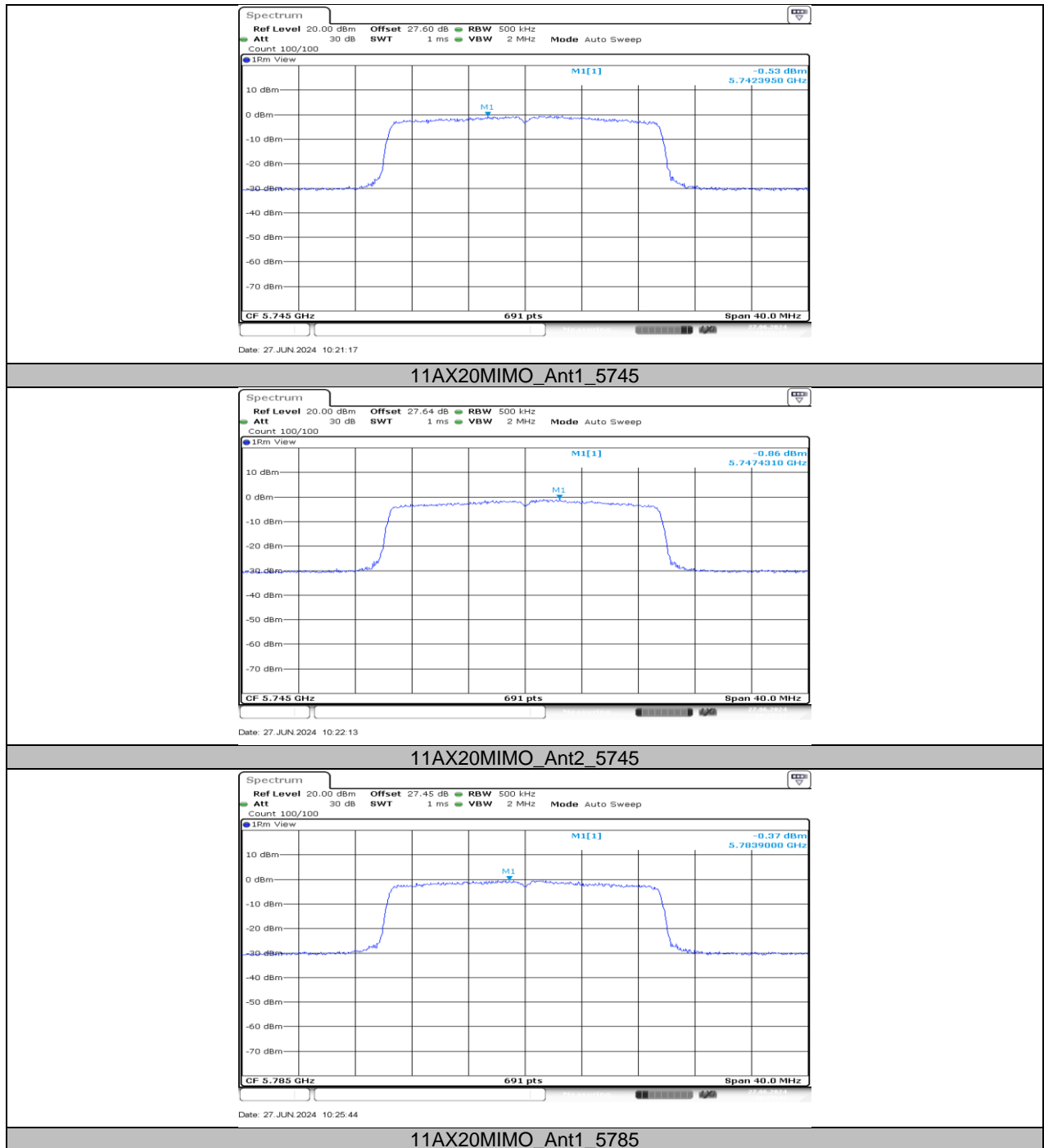
11AX20MIMO_Ant2_5720_UNII-2C

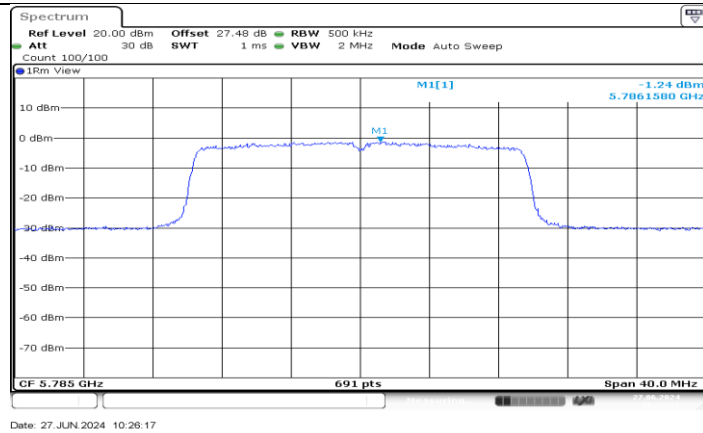


11AX20MIMO_Ant1_5720_UNII-3

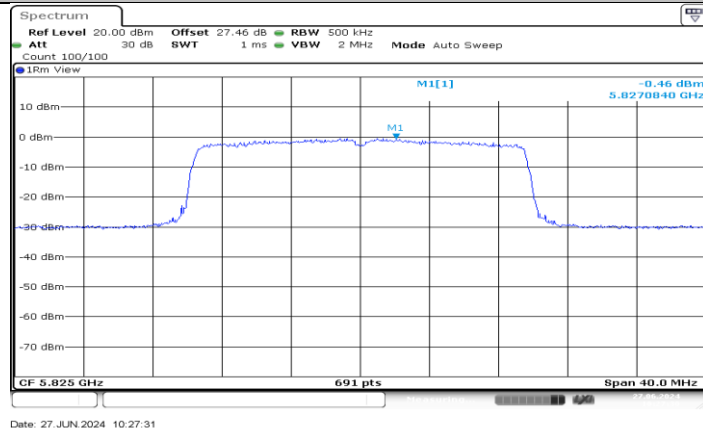


11AX20MIMO_Ant2_5720_UNII-3

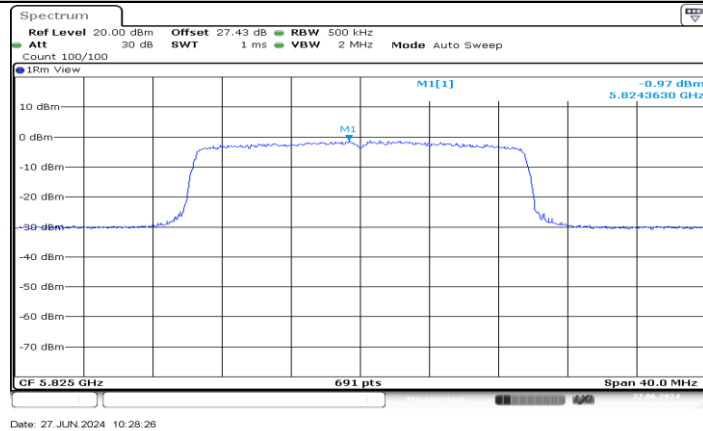




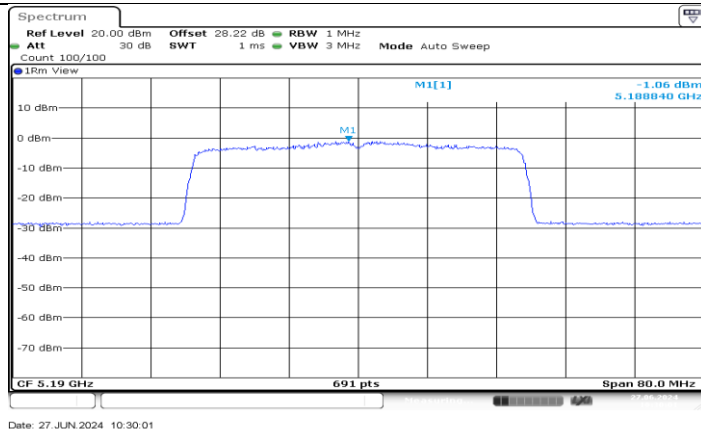
11AX20MIMO_Ant2_5785



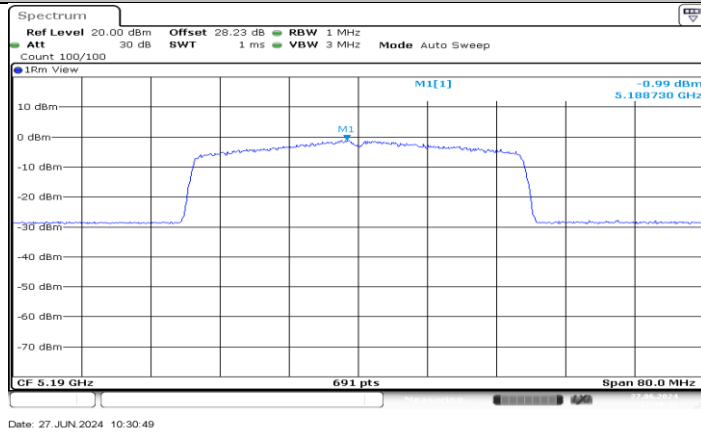
11AX20MIMO_Ant1_5825



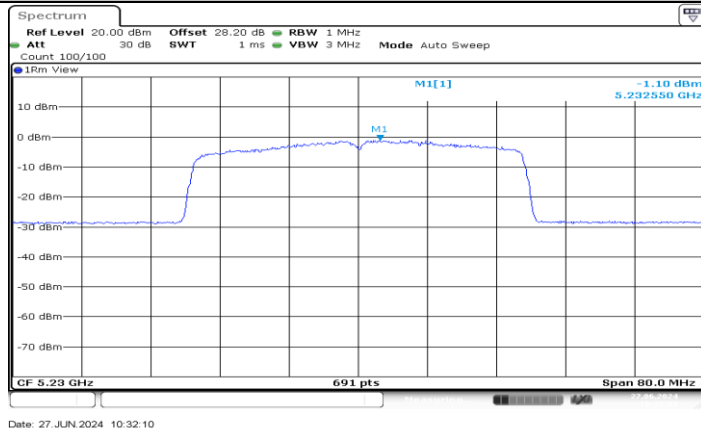
11AX20MIMO_Ant2_5825



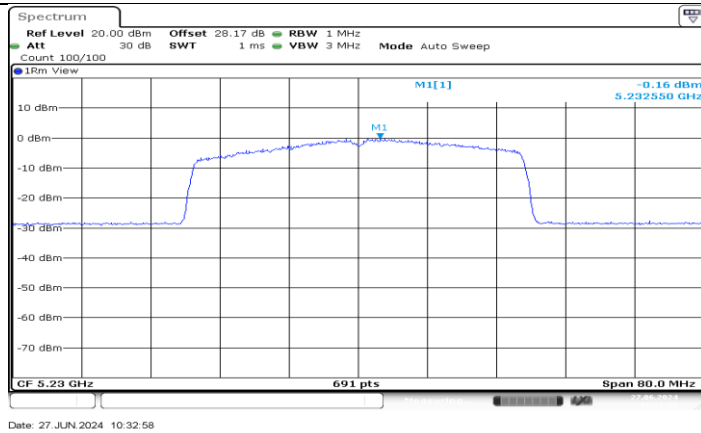
11AX40MIMO_Ant1_5190



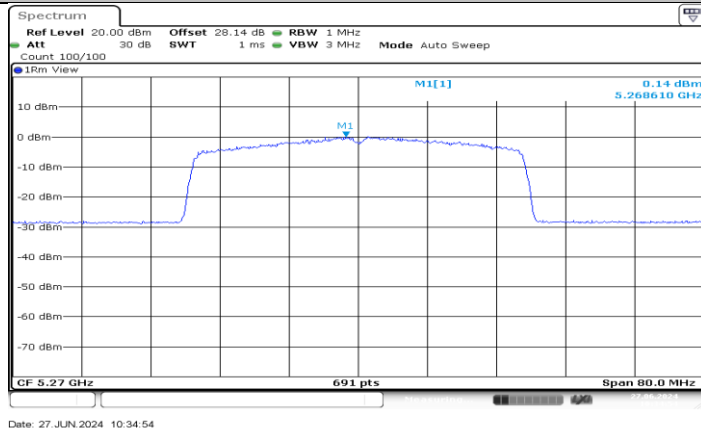
11AX40MIMO_Ant2_5190



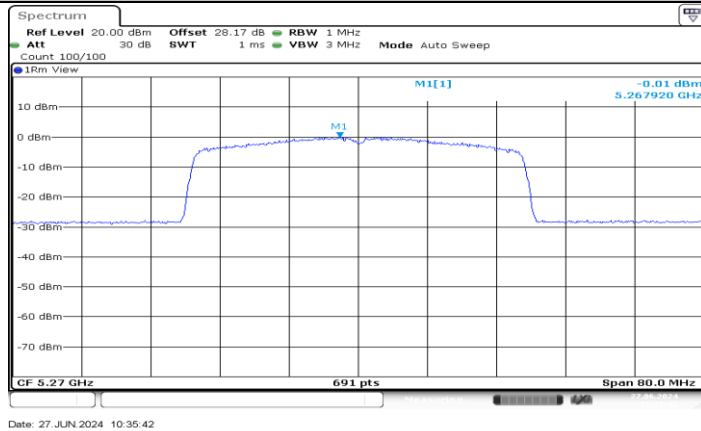
11AX40MIMO_Ant1_5230



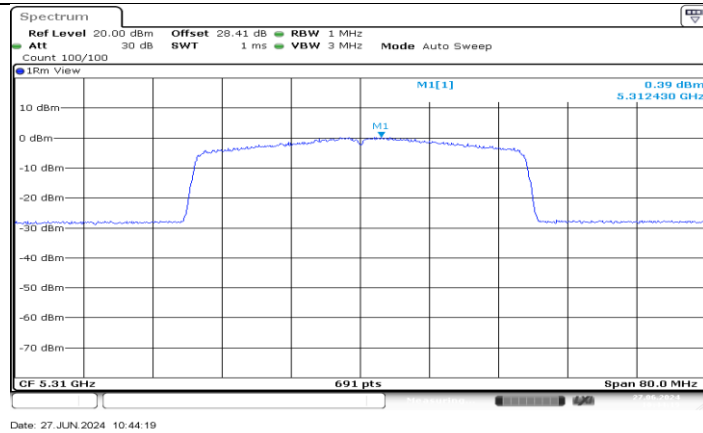
11AX40MIMO_Ant2_5230



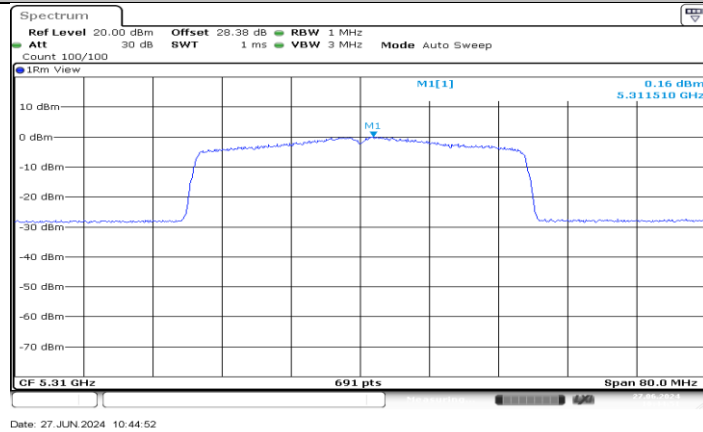
11AX40MIMO_Ant1_5270



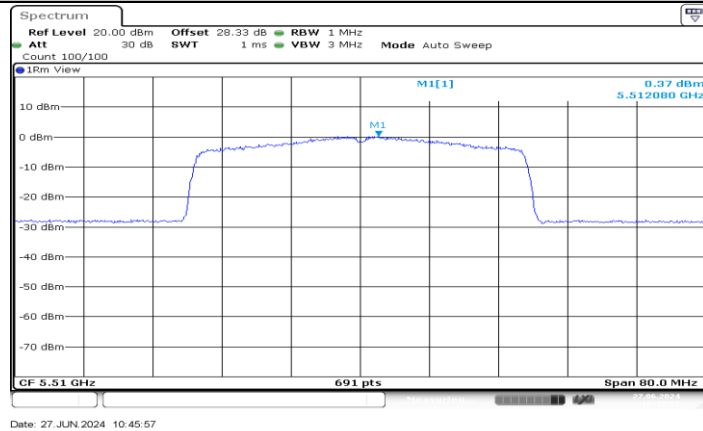
11AX40MIMO_Ant2_5270



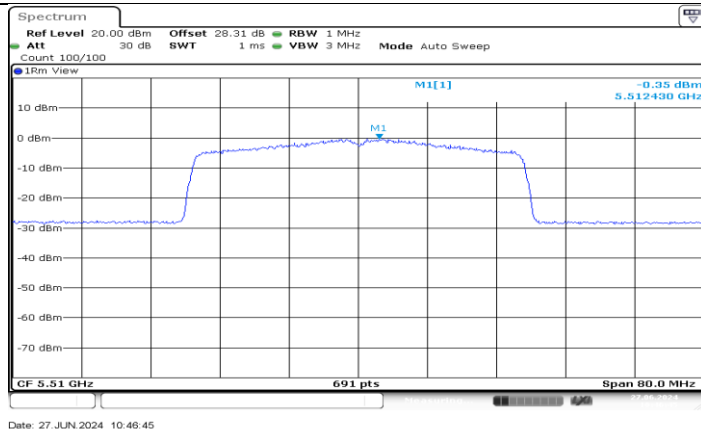
11AX40MIMO_Ant1_5310



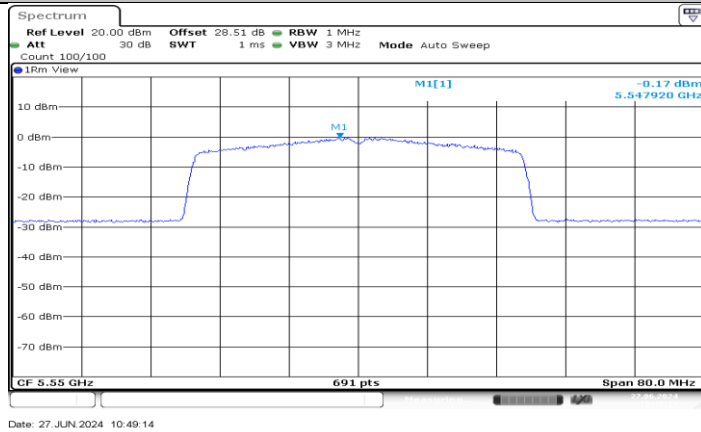
11AX40MIMO_Ant2_5310



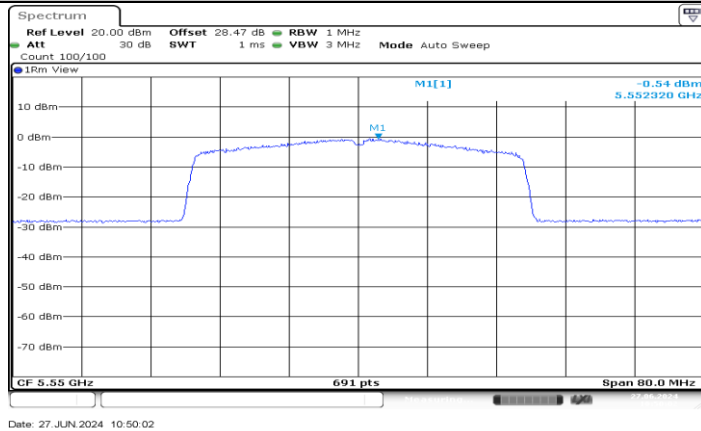
11AX40MIMO_Ant1_5510



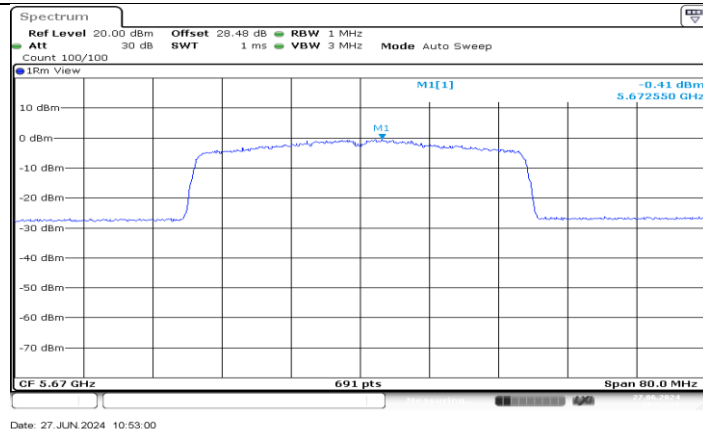
11AX40MIMO_Ant2_5510



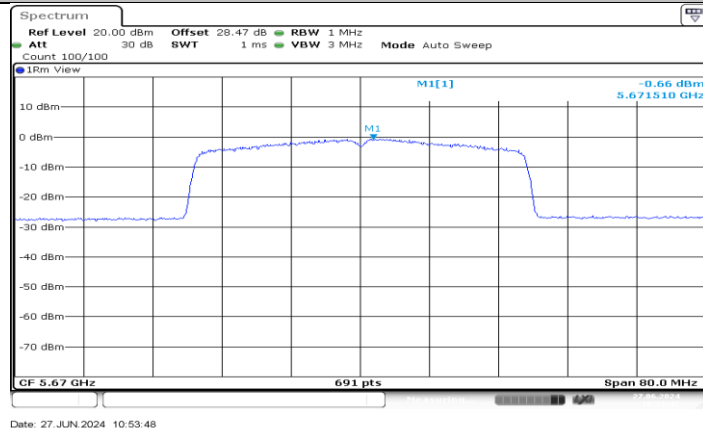
11AX40MIMO_Ant1_5550



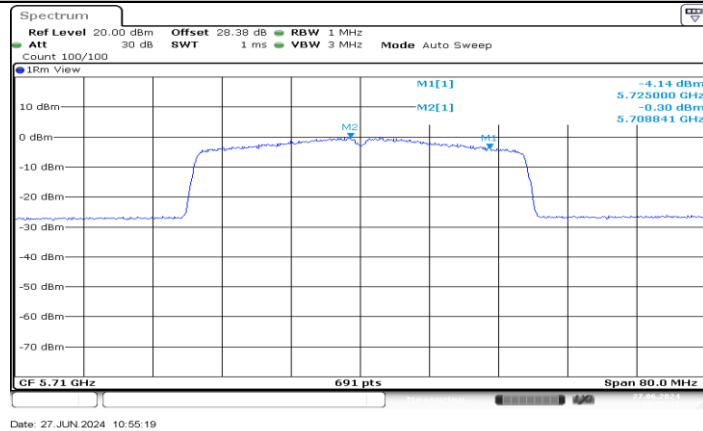
11AX40MIMO_Ant2_5550



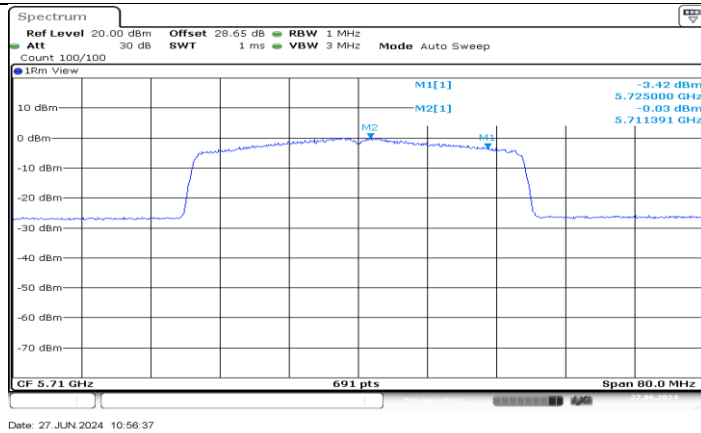
11AX40MIMO_Ant1_5670



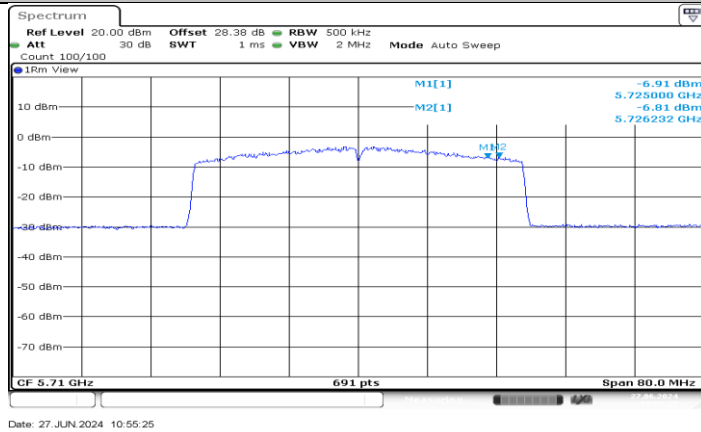
11AX40MIMO_Ant2_5670



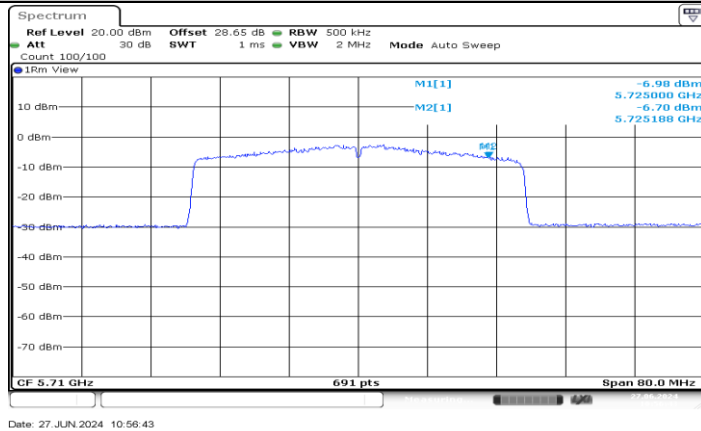
11AX40MIMO_Ant1_5710_UNII-2C



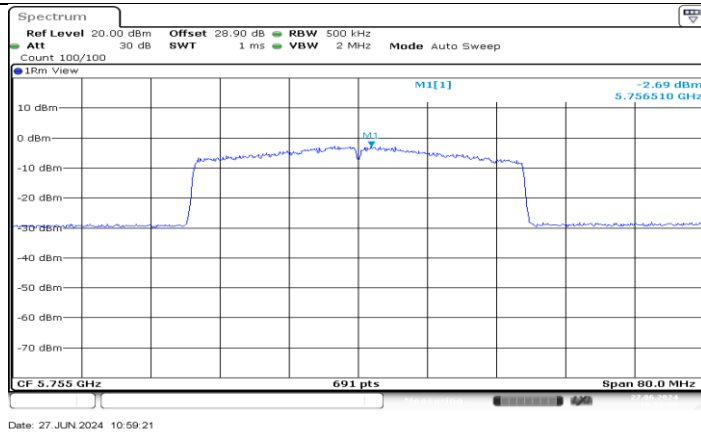
11AX40MIMO_Ant2_5710_UNII-2C



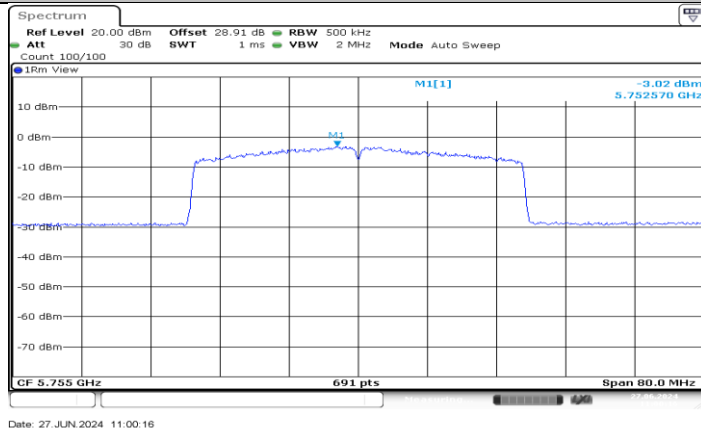
11AX40MIMO_Ant1_5710_UNII-3



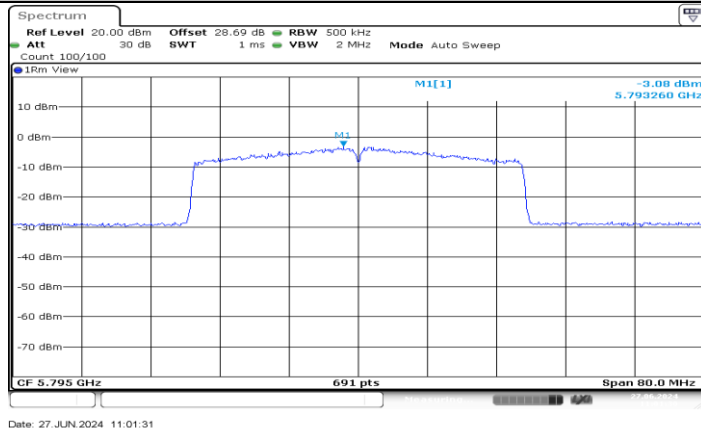
11AX40MIMO_Ant2_5710_UNII-3



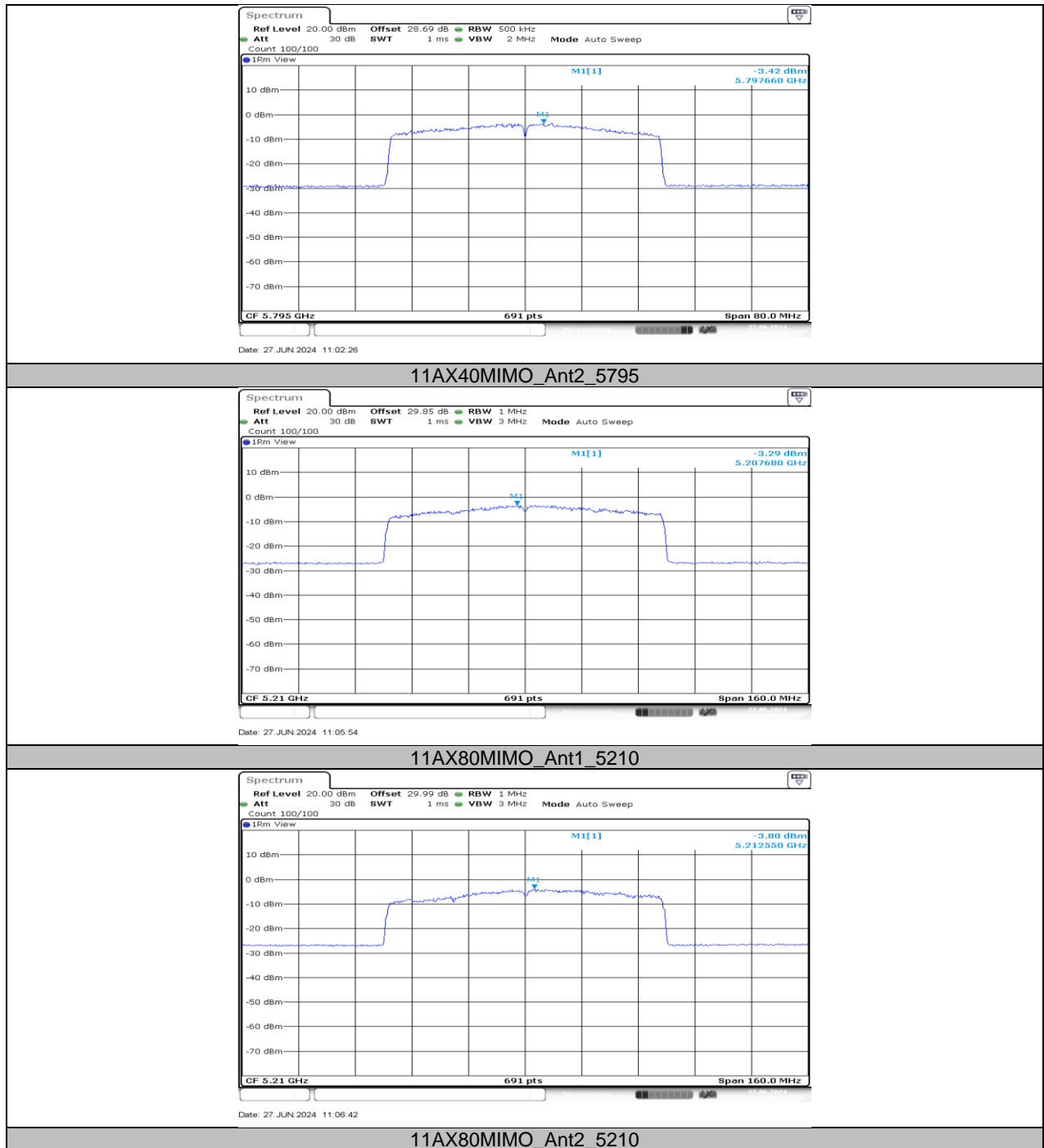
11AX40MIMO_Ant1_5755

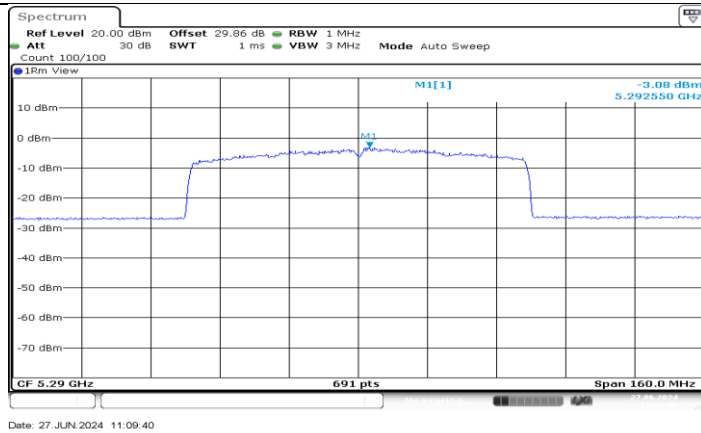


11AX40MIMO_Ant2_5755

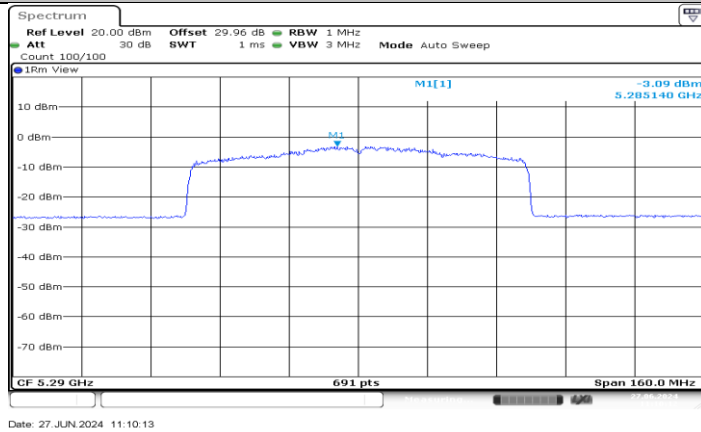


11AX40MIMO_Ant1_5795

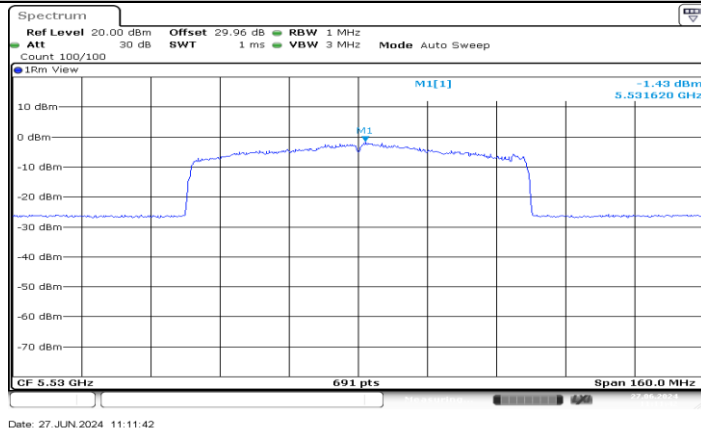




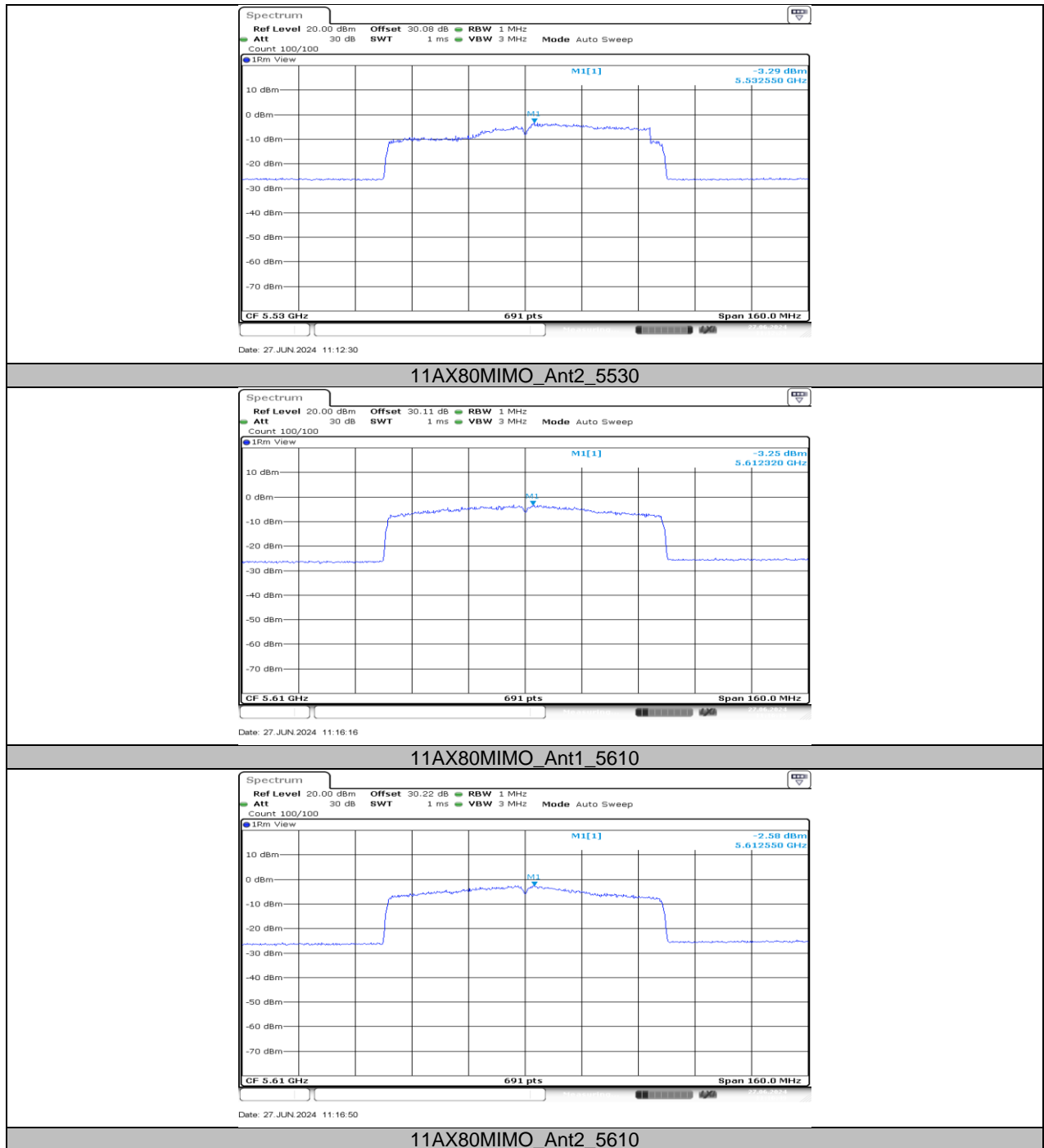
11AX80MIMO_Ant1_5290

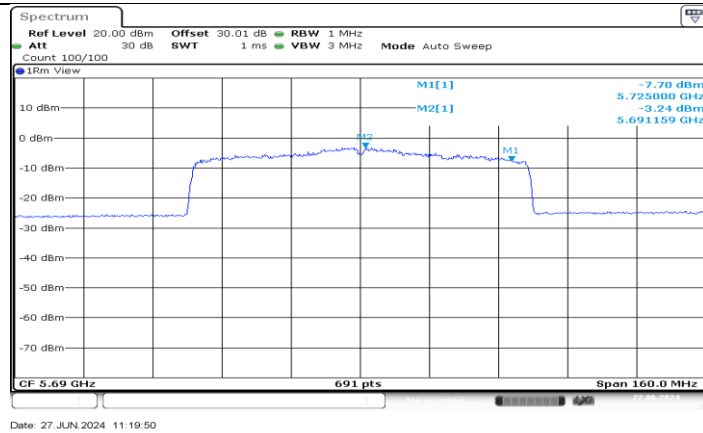


11AX80MIMO_Ant2_5290

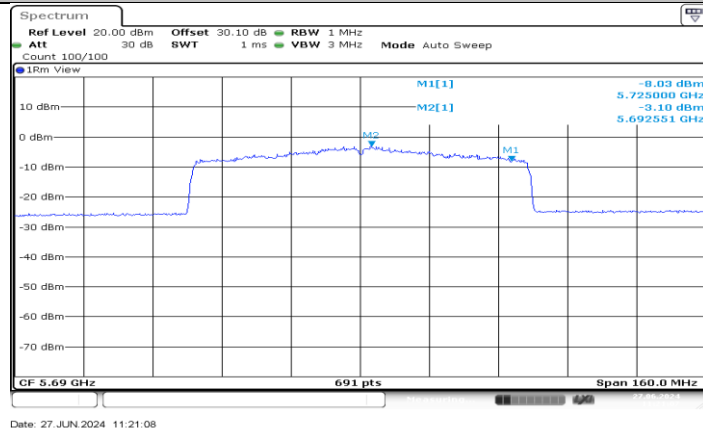


11AX80MIMO_Ant1_5530

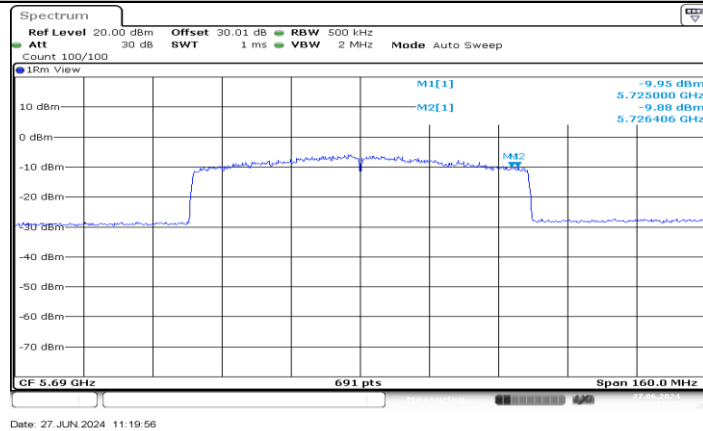




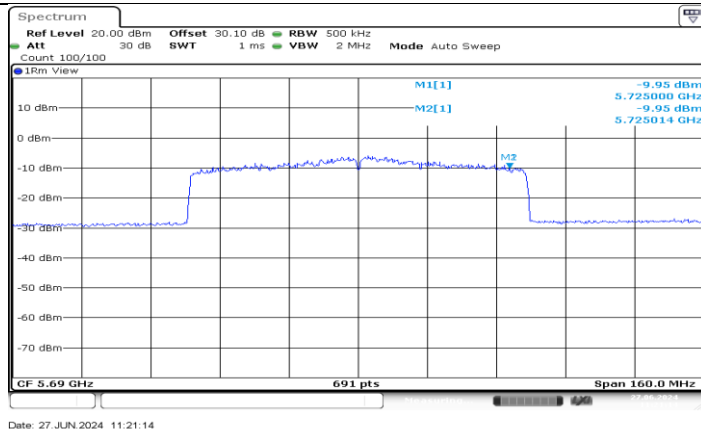
11AX80MIMO_Ant1_5690_UNII-2C



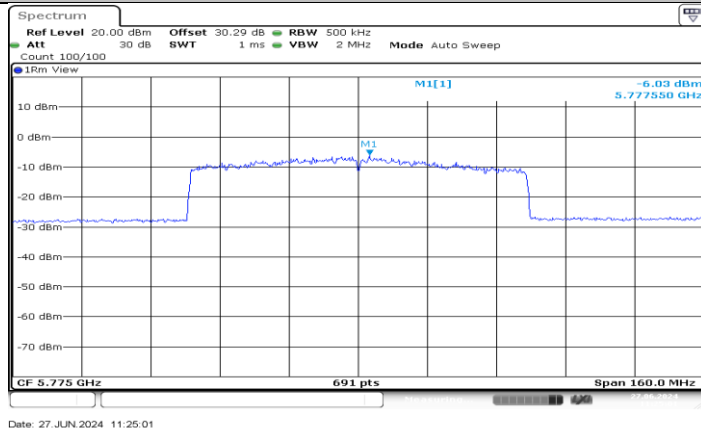
11AX80MIMO_Ant2_5690_UNII-2C



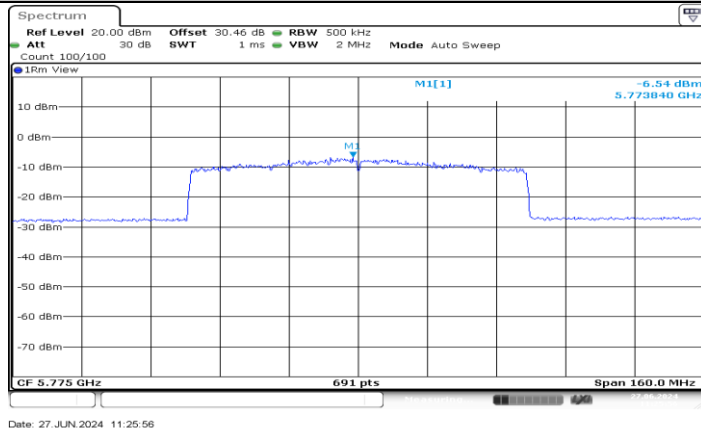
11AX80MIMO_Ant1_5690_UNII-3



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	5200.0165	3.17	5200.0001	0.01	5199.9881	-2.29	5200.0153	2.95
TN	VN	5200.0231	4.45	5199.9934	-1.26	5200.0150	2.89	5200.0212	4.08
TN	VH	5200.0238	4.57	5200.0006	0.11	5199.9853	-2.82	5200.0173	3.32
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)
40	VN	5200.0040	0.78	5199.9951	-0.93	5199.9781	-4.20	5200.0208	4.00
30	VN	5200.0157	3.01	5199.9838	-3.12	5200.0011	0.22	5199.9883	-2.25
20	VN	5199.9944	-1.08	5200.0027	0.53	5200.0034	0.65	5199.9860	-2.69
10	VN	5200.0130	2.50	5199.9829	-3.29	5199.9892	-2.09	5200.0013	0.24
0	VN	5200.0170	3.28	5199.9791	-4.01	5200.0176	3.38	5200.0003	0.06

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	1.41	0.9787	97.87	0.09	0.72	1
11N20MIMO	1.29	1.92	0.6719	67.19	1.73	0.78	1
11N40MIMO	0.64	1.30	0.4923	49.23	3.08	1.56	2
11AC80MIMO	0.32	0.95	0.3368	33.68	4.73	3.13	4
11AX20MIMO	1.01	1.65	0.6121	61.21	2.13	0.99	1
11AX40MIMO	0.53	1.16	0.4569	45.69	3.40	1.89	2
11AX80MIMO	0.29	0.91	0.3187	31.87	4.97	3.45	4

Note:

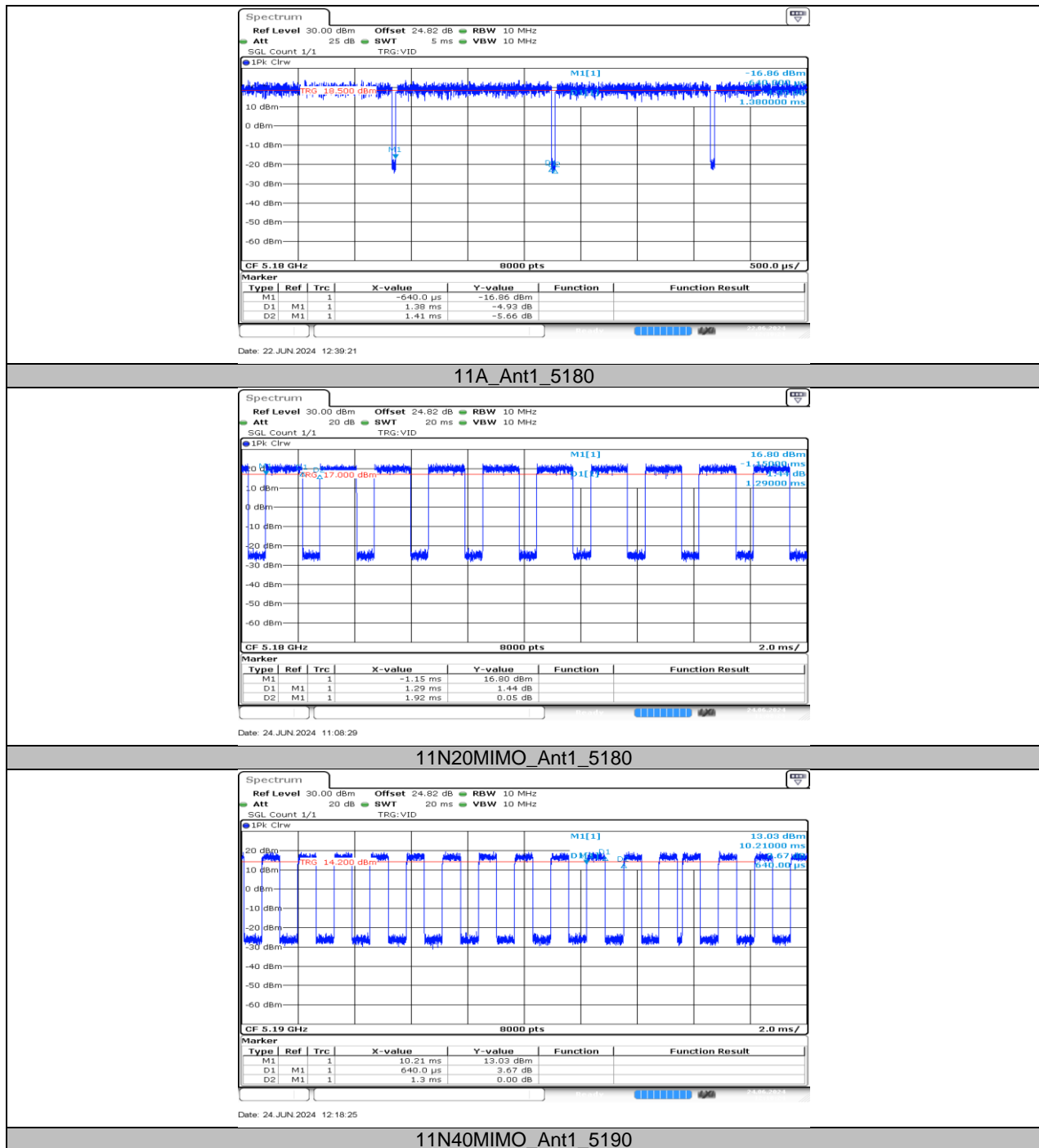
Duty Cycle Correction Factor= $10\log(1/x)$.

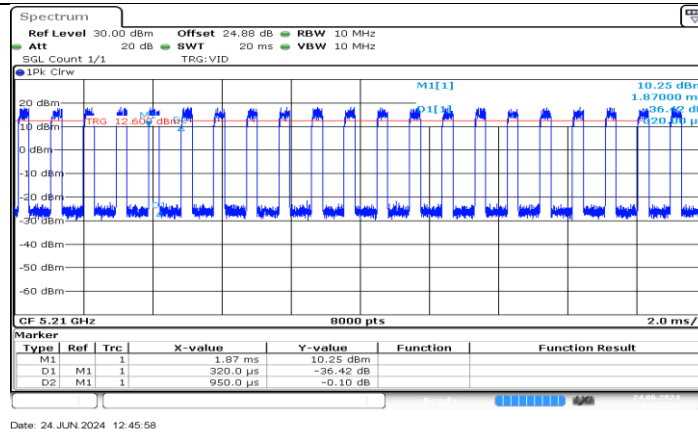
Where: x is Duty Cycle (Linear)

Where: T is On Time

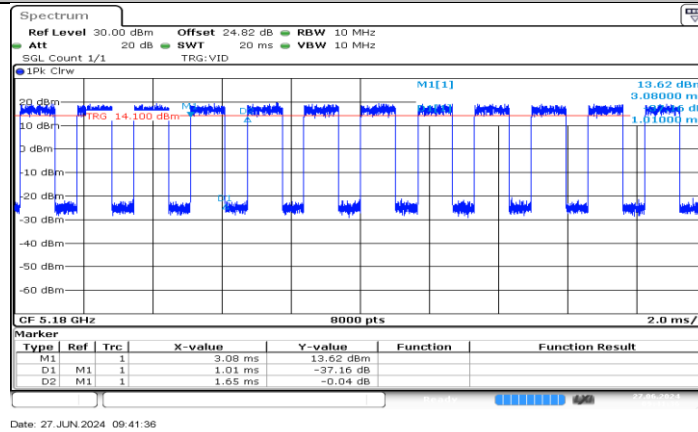
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

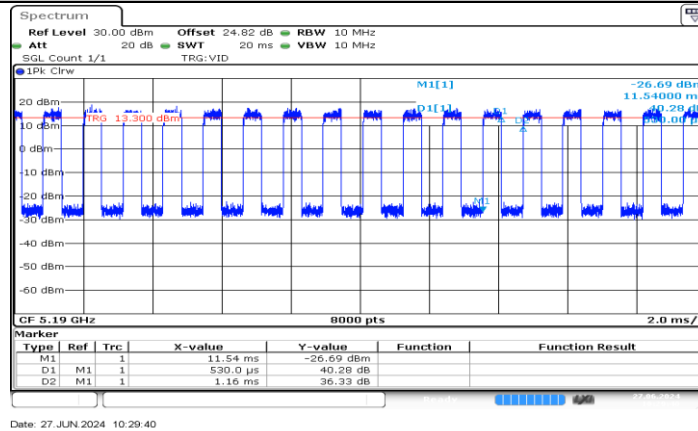




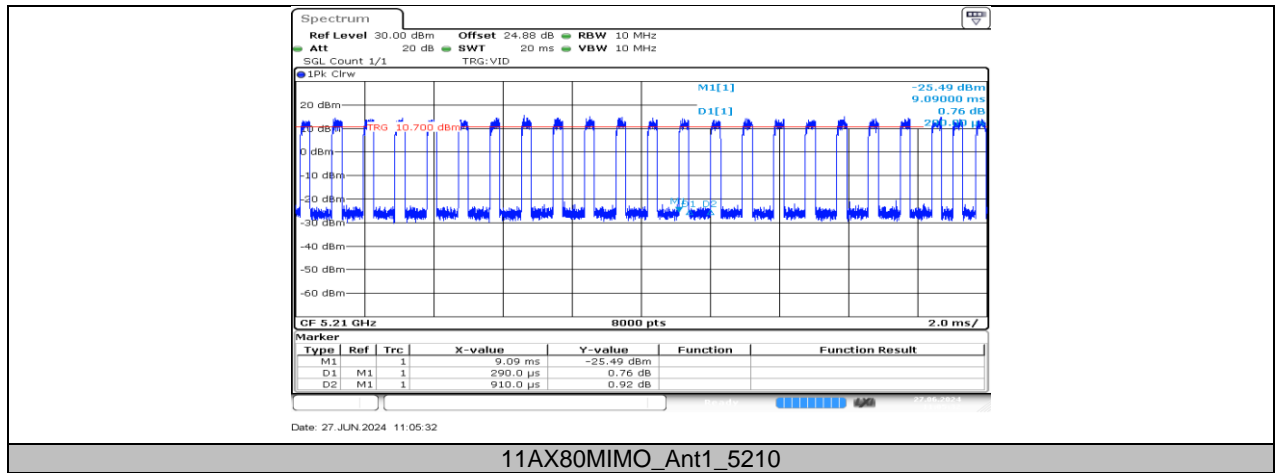
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180



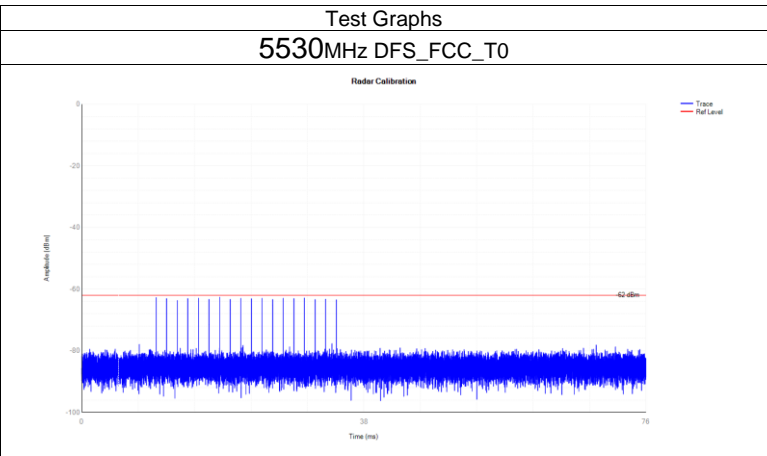
11AX40MIMO_Ant1_5190



11AX80MIMO_Ant1_5210

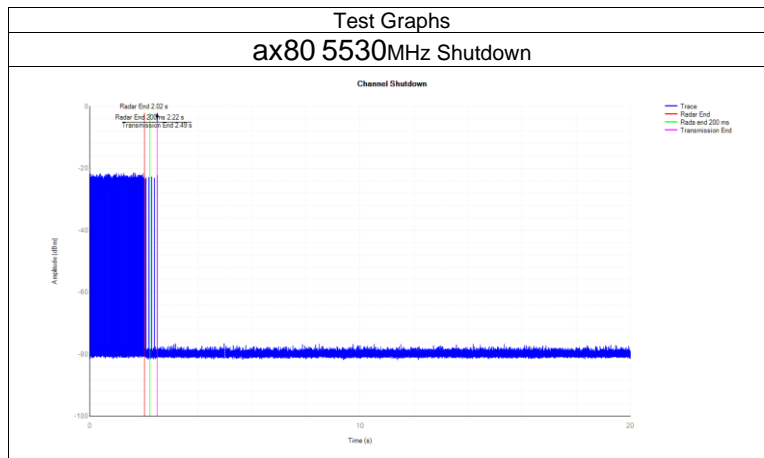
11.8. APPENDIX H: CALIBRATION

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



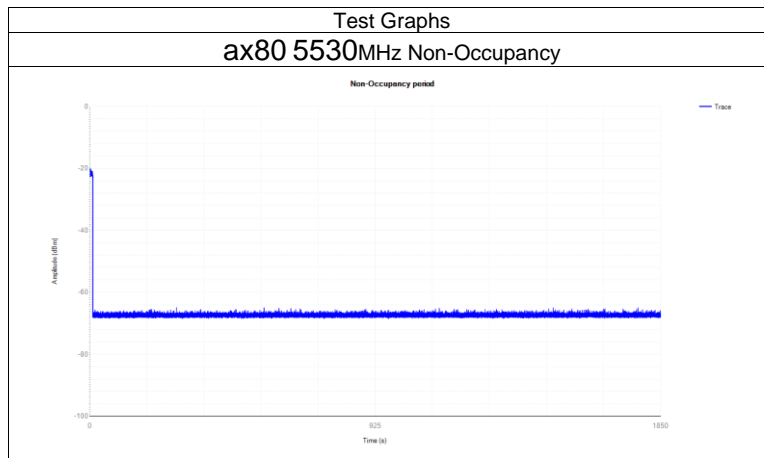
11.9. APPENDIX I: SHUTDOWN TIME

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	0.47	10	0.007	0.26	0.003	0.06	Pass



11.10. APPENDIX J: NON-OCCUPANCY

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



END OF REPORT