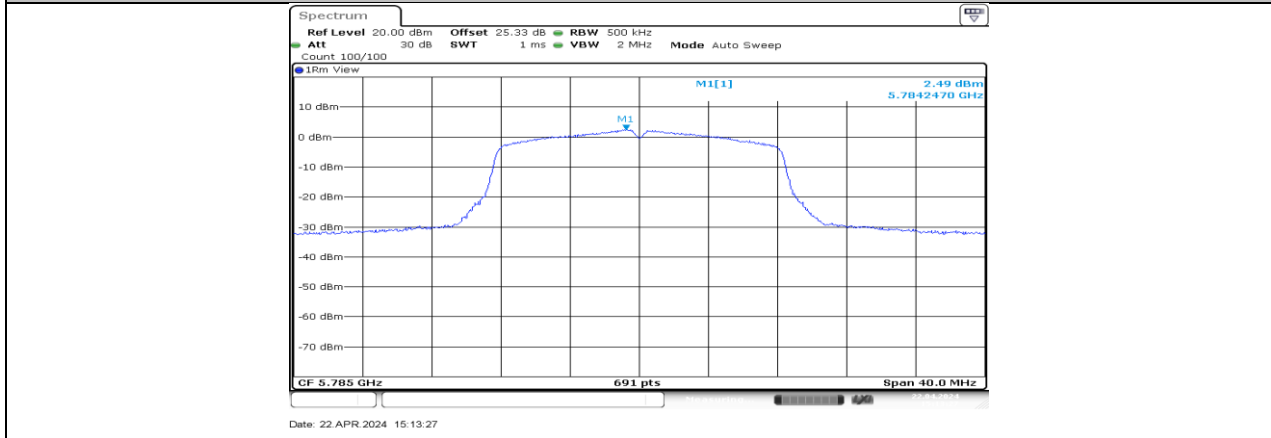
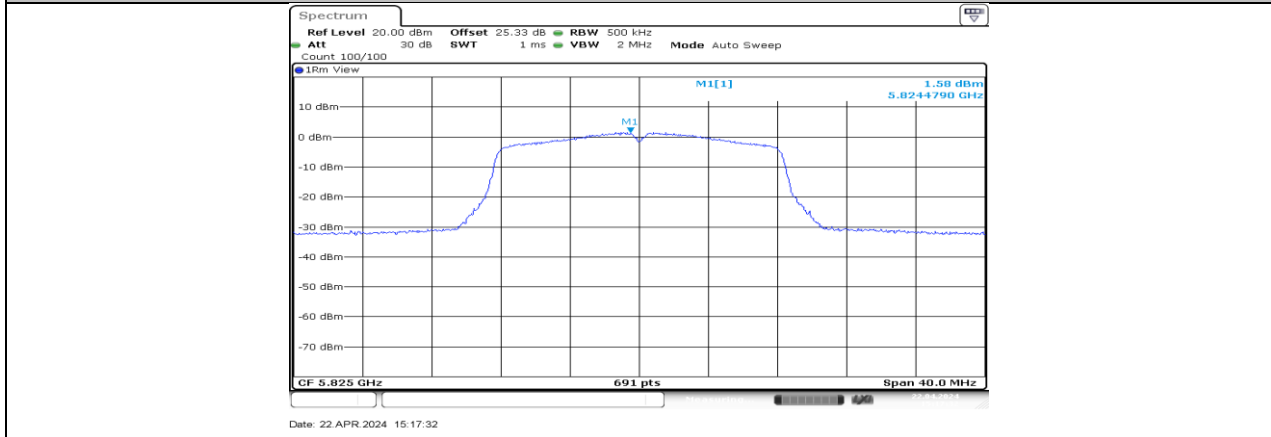


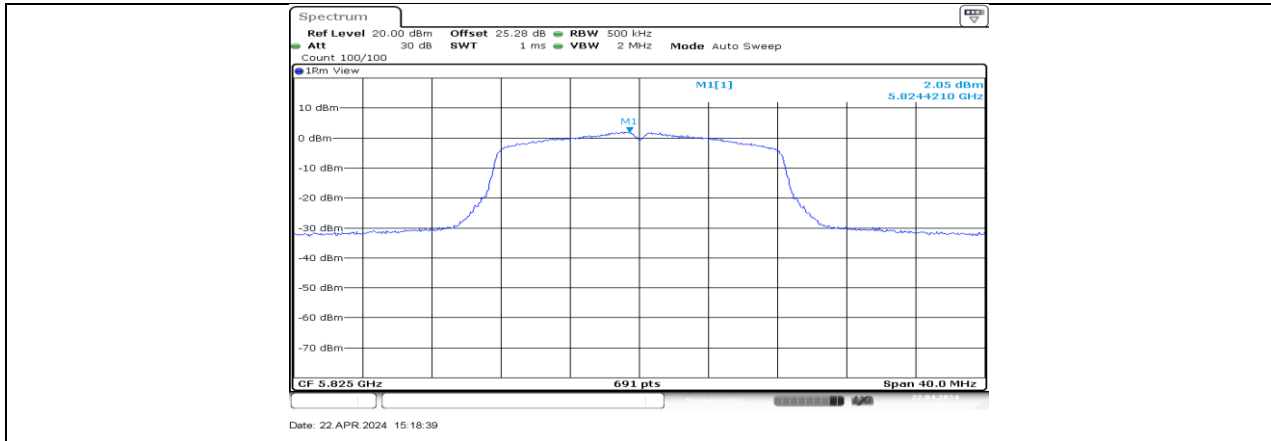
11A-CDD_Ant1_5785



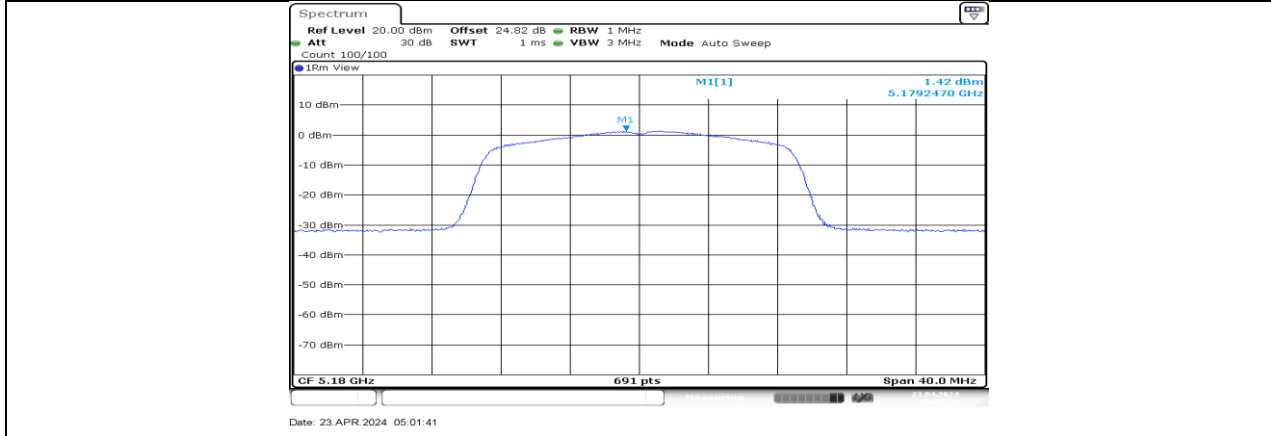
11A-CDD_Ant2_5785



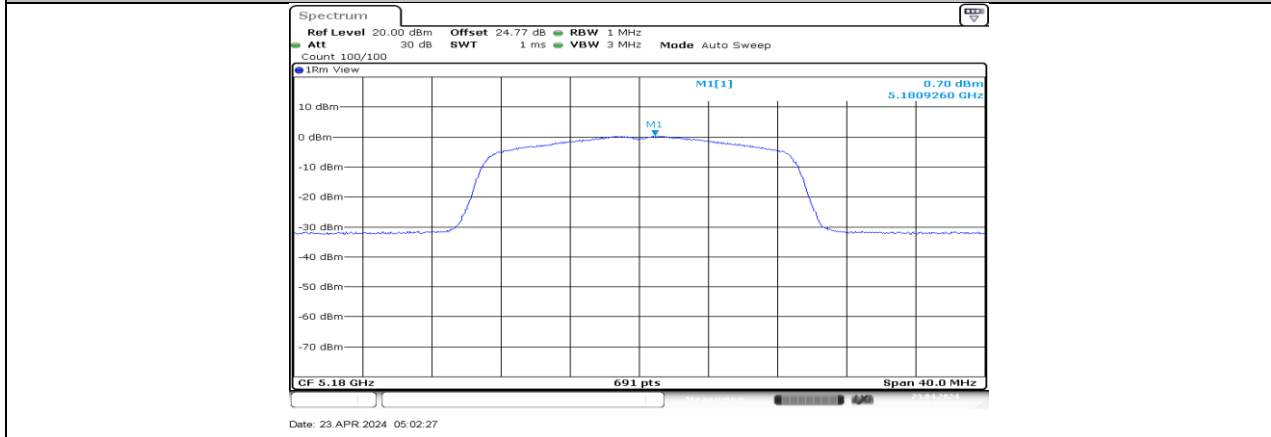
11A-CDD_Ant1_5825



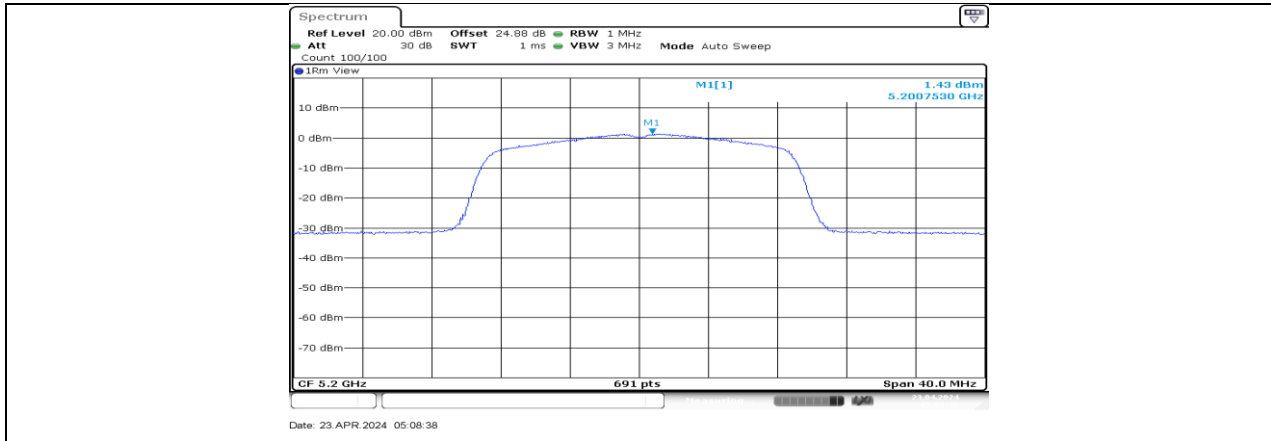
11A-CDD_Ant2_5825



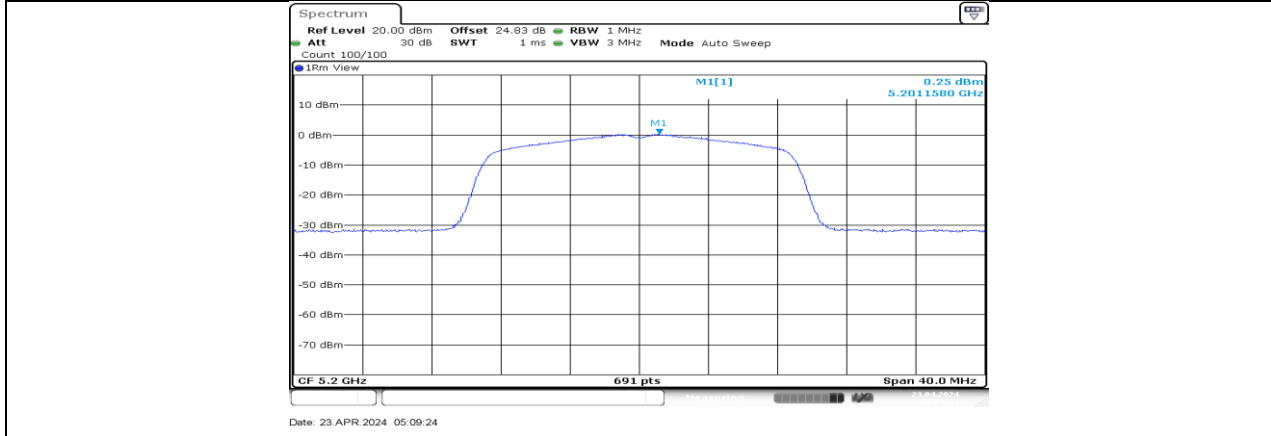
11N20MIMO_Ant1_5180



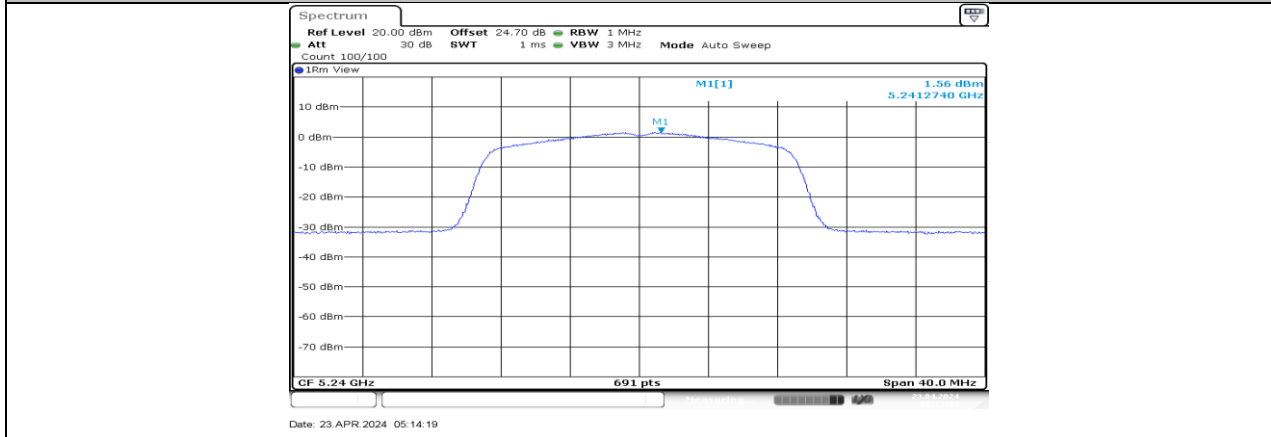
11N20MIMO_Ant2_5180



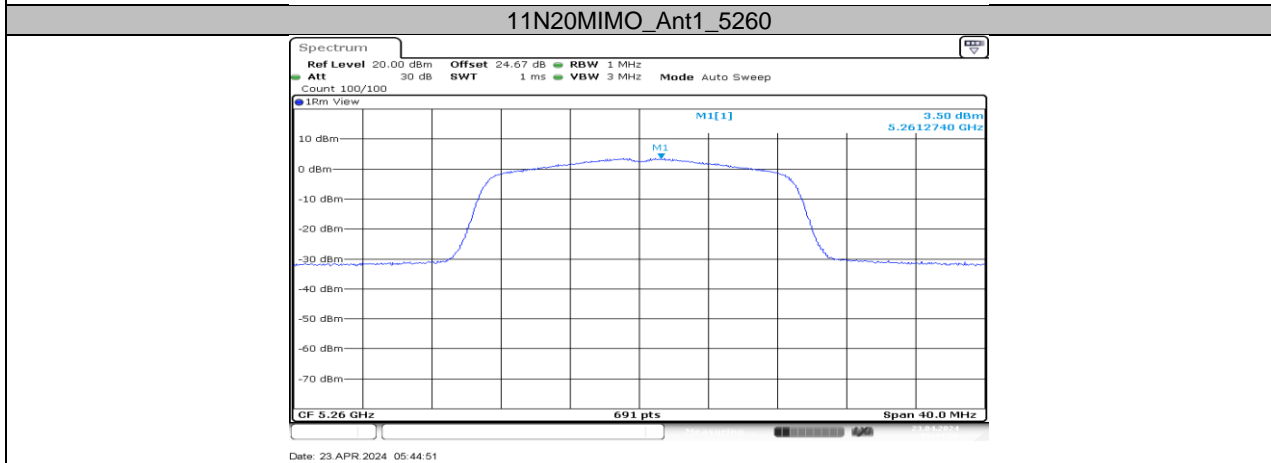
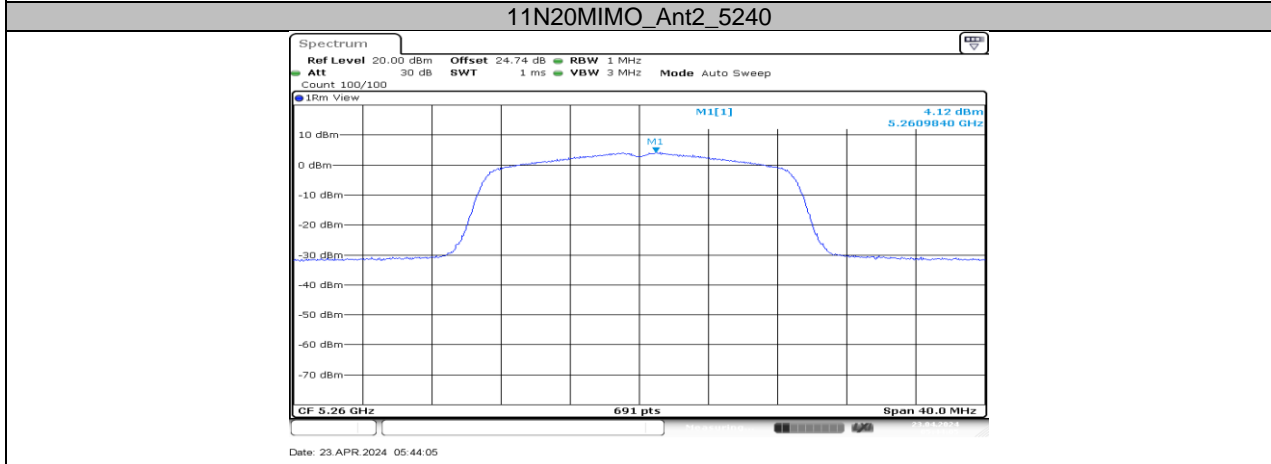
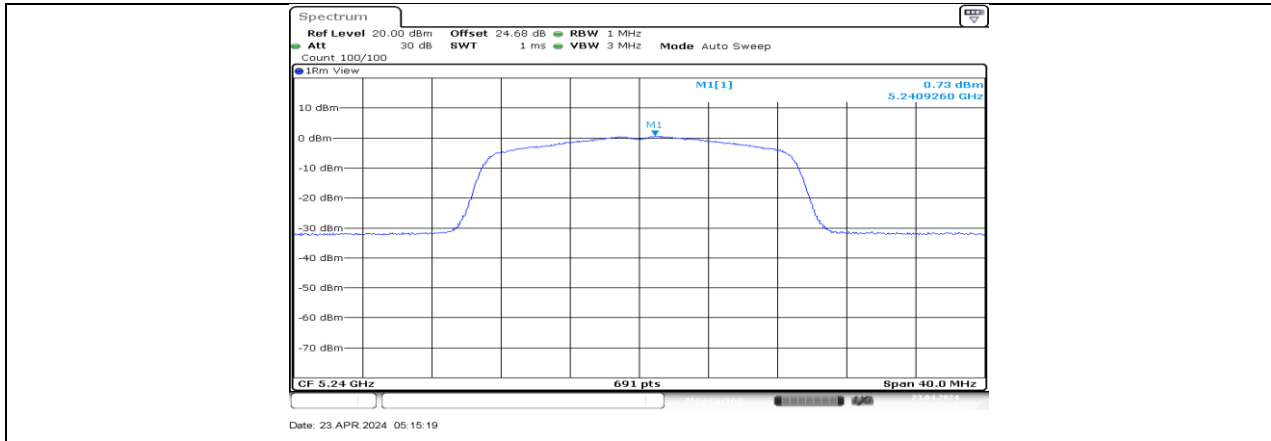
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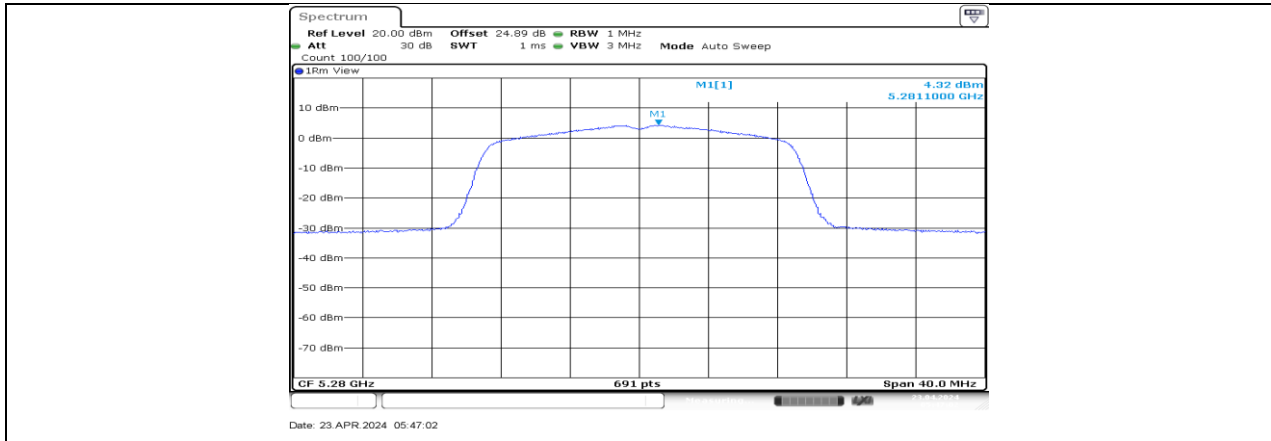


11N20MIMO_Ant2_5200

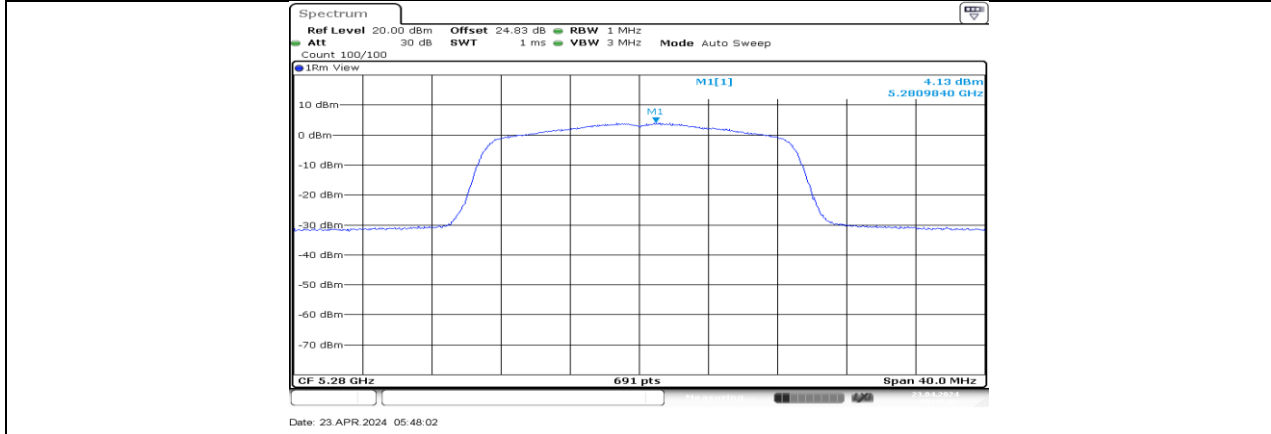


11N20MIMO_Ant1_5240

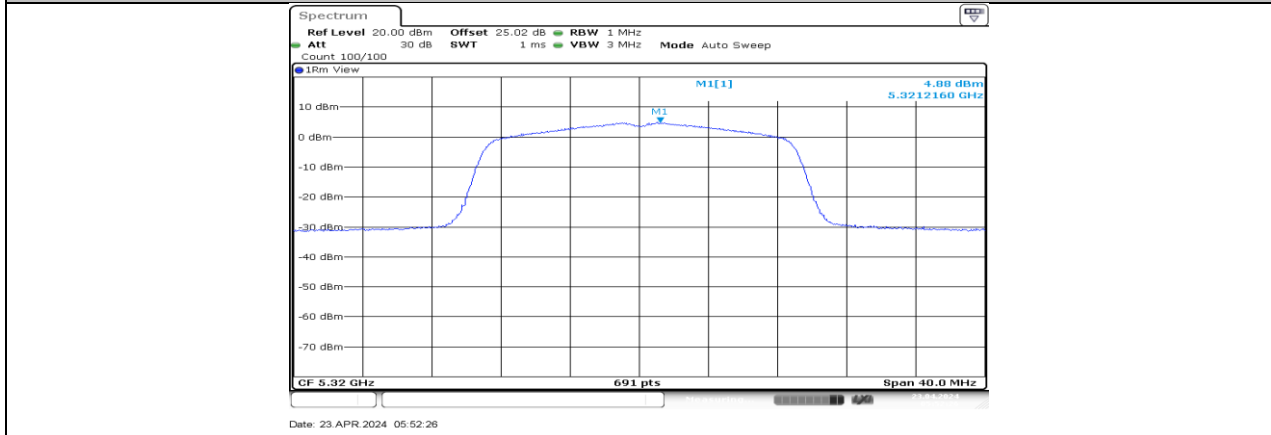




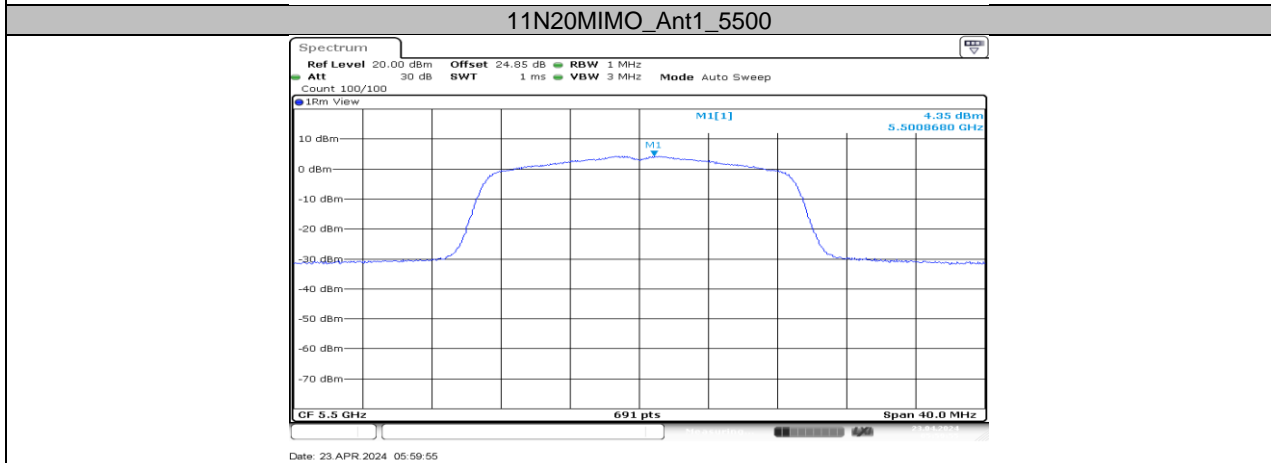
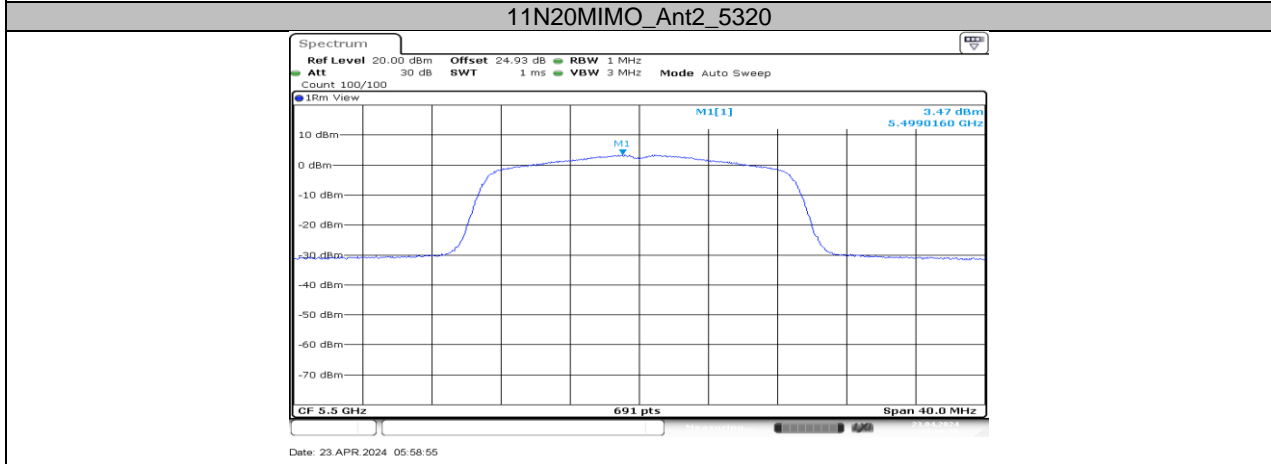
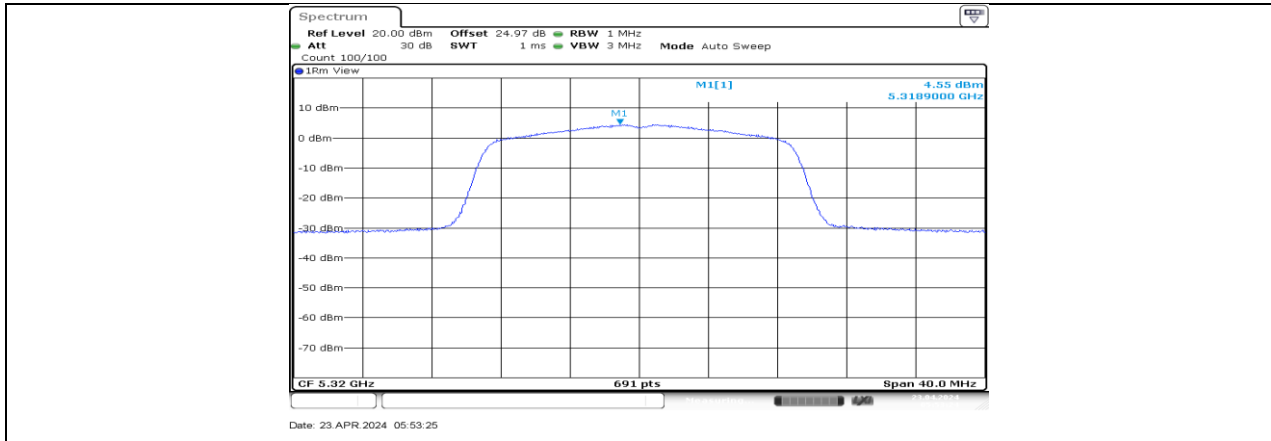
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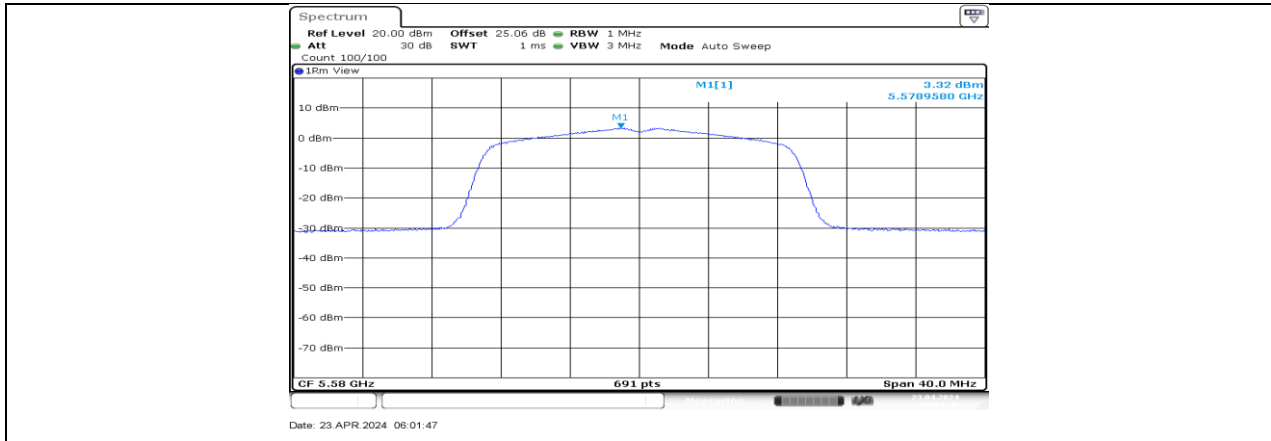


11N20MIMO_Ant2_5280

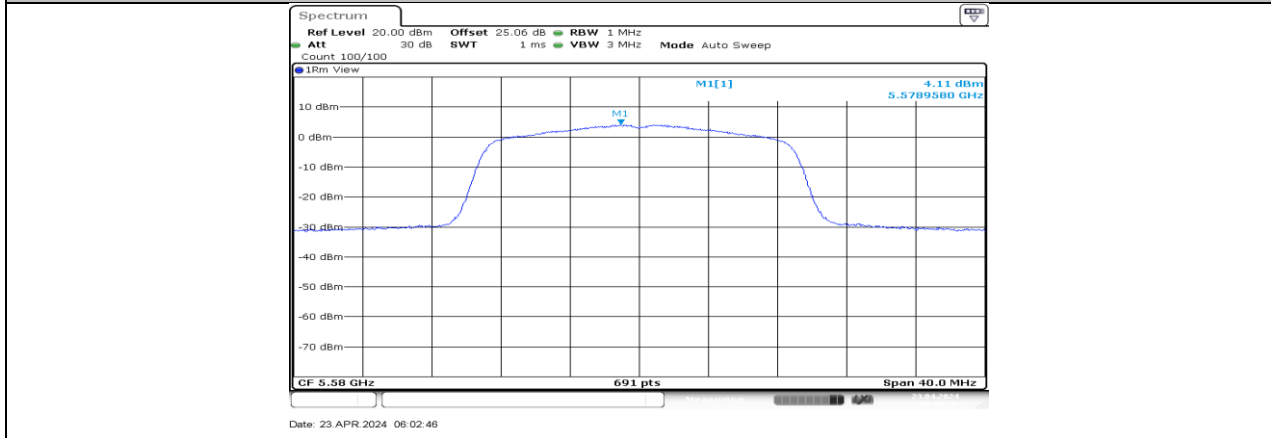


11N20MIMO_Ant1_5320

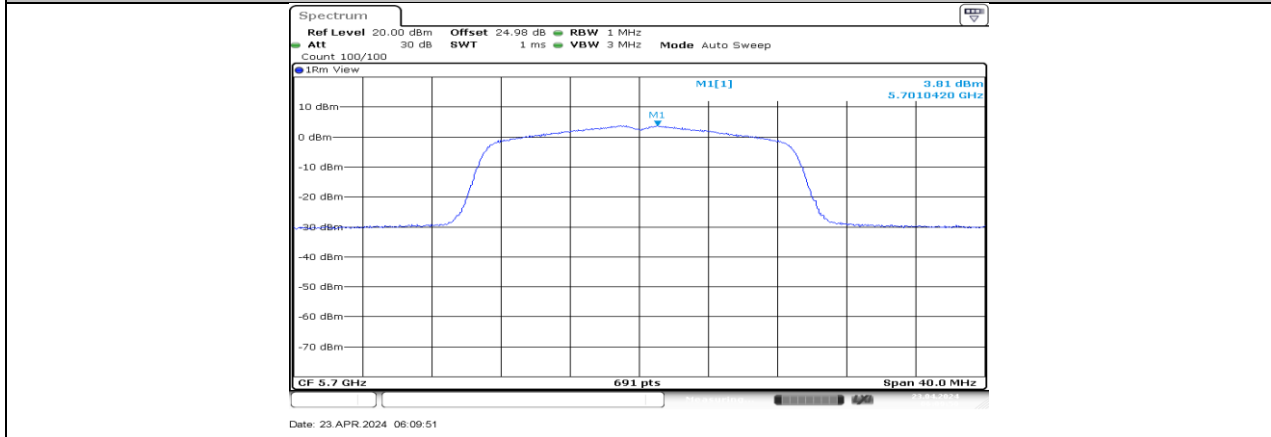




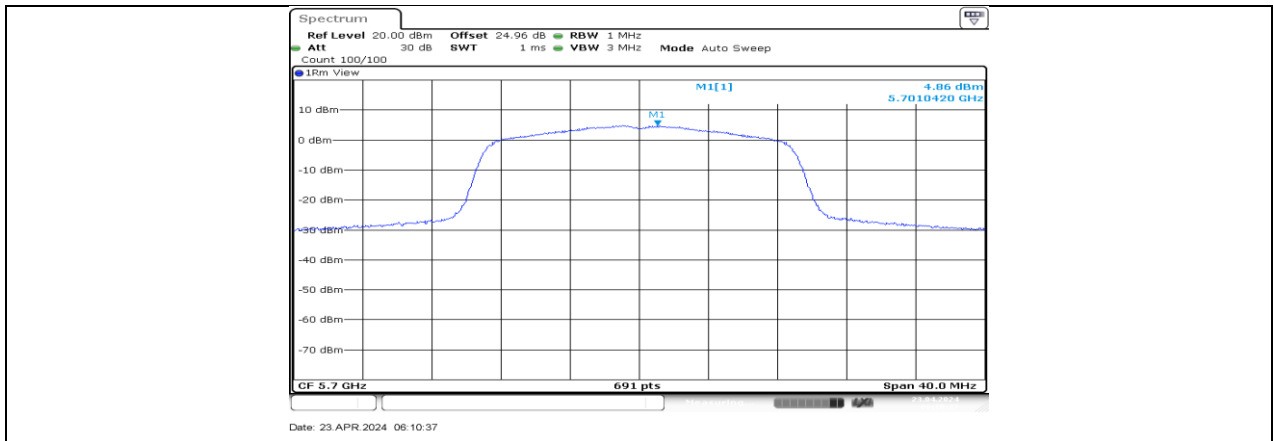
11N20MIMO_Ant1_5580



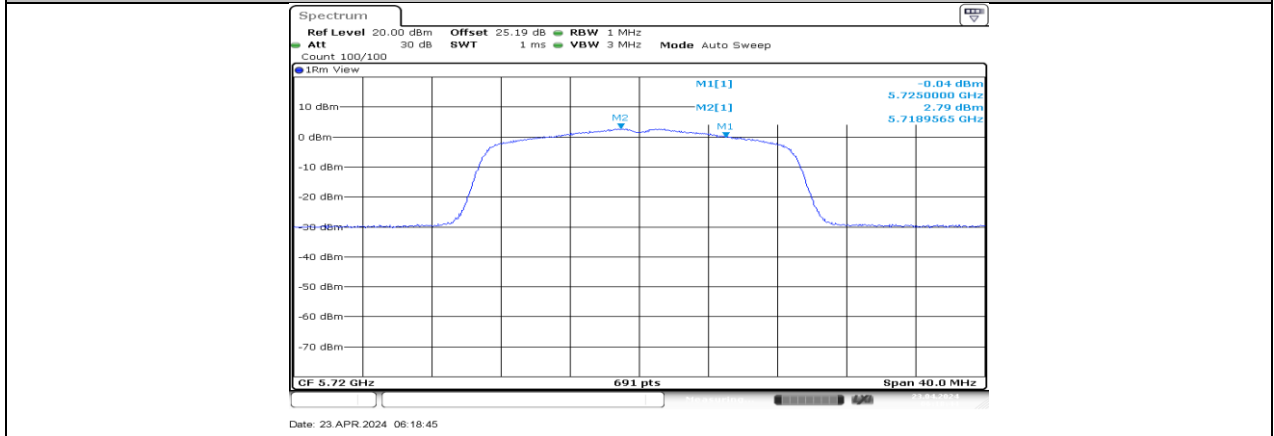
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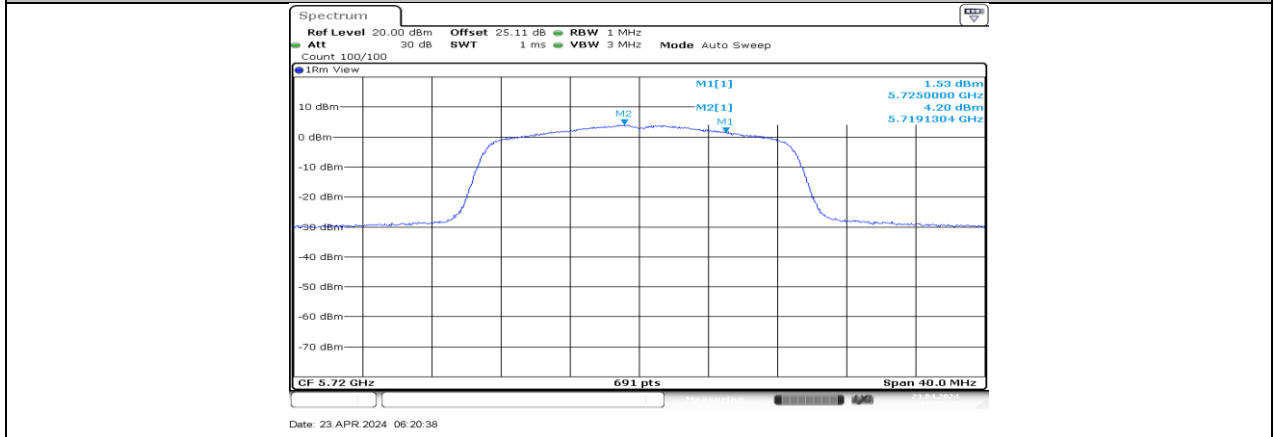
11N20MIMO_Ant1_5700



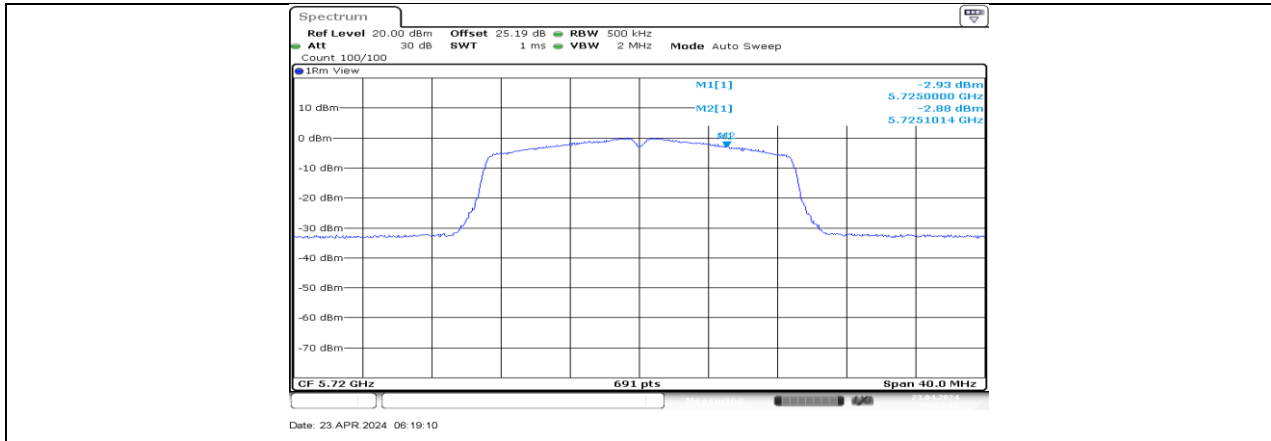
11N20MIMO_Ant2_5700



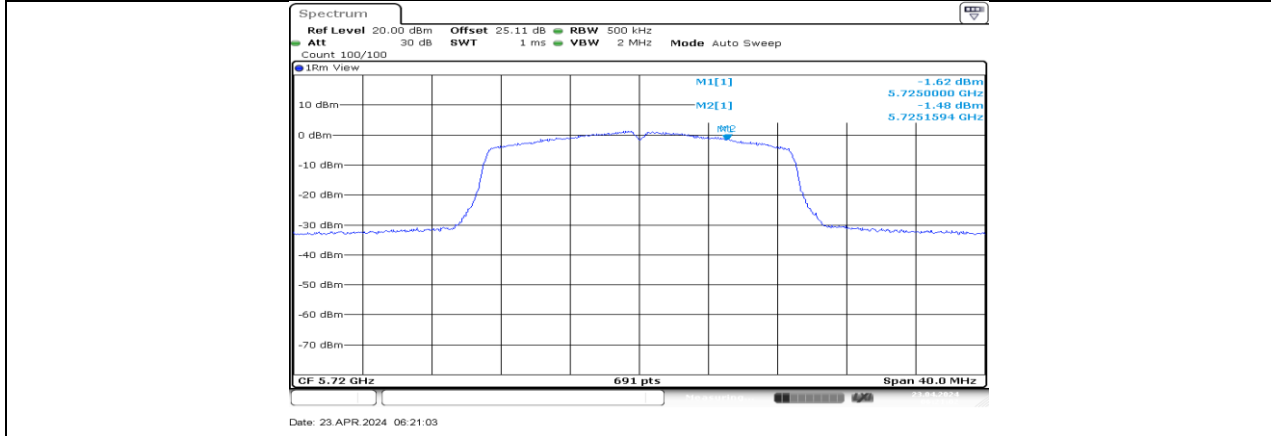
11N20MIMO_Ant1_5720_UNII-2C



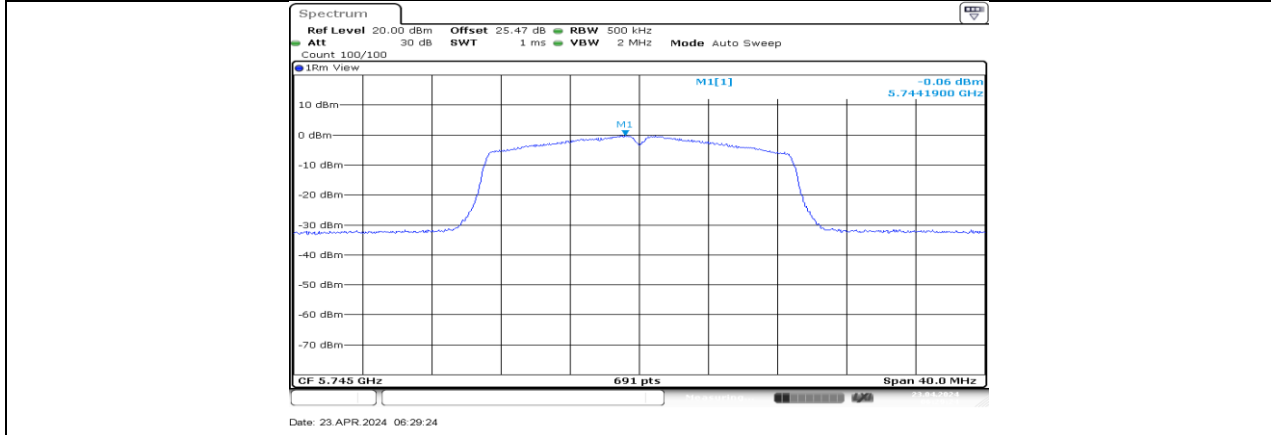
11N20MIMO_Ant2_5720_UNII-2C



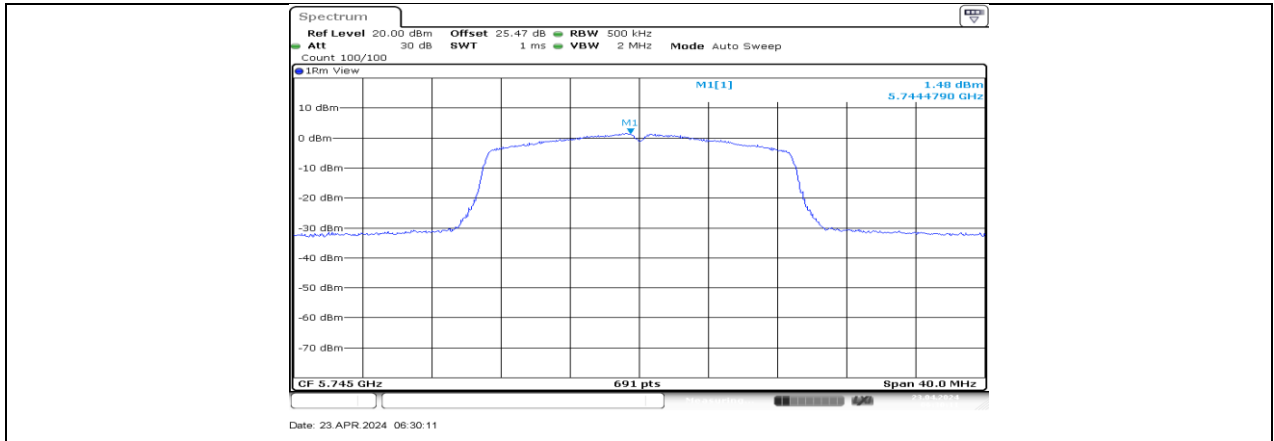
11N20MIMO_Ant1_5720_UNII-3



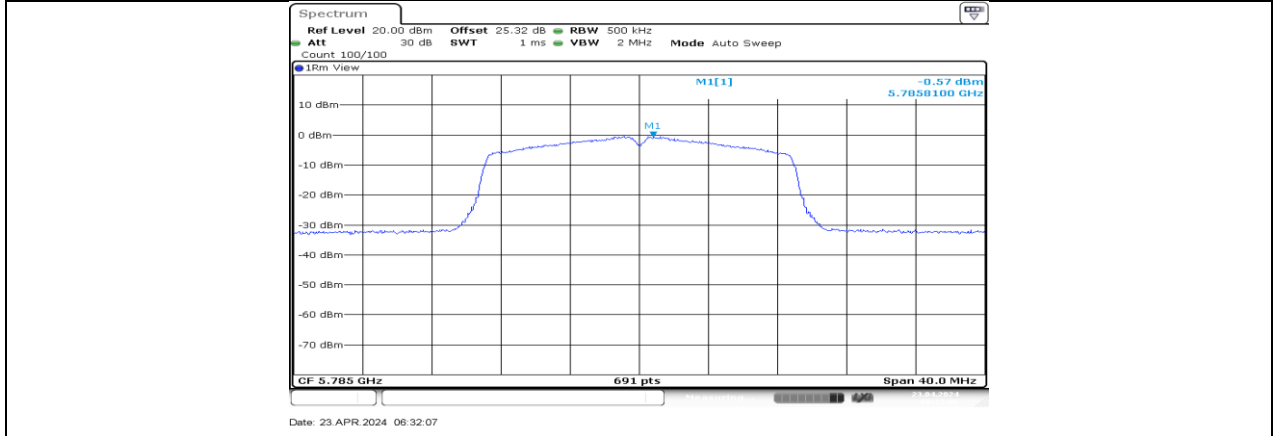
11N20MIMO_Ant2_5720_UNII-3



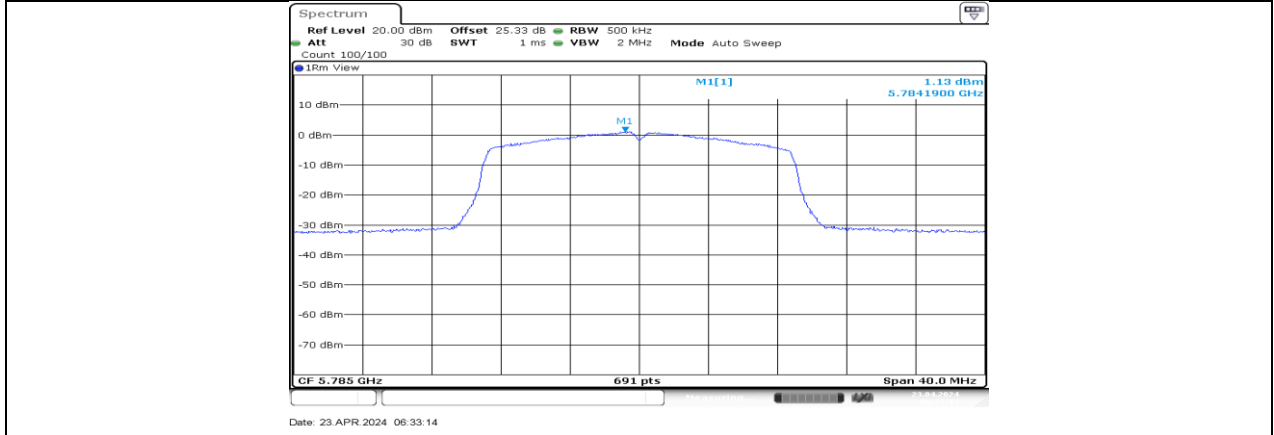
11N20MIMO_Ant1_5745



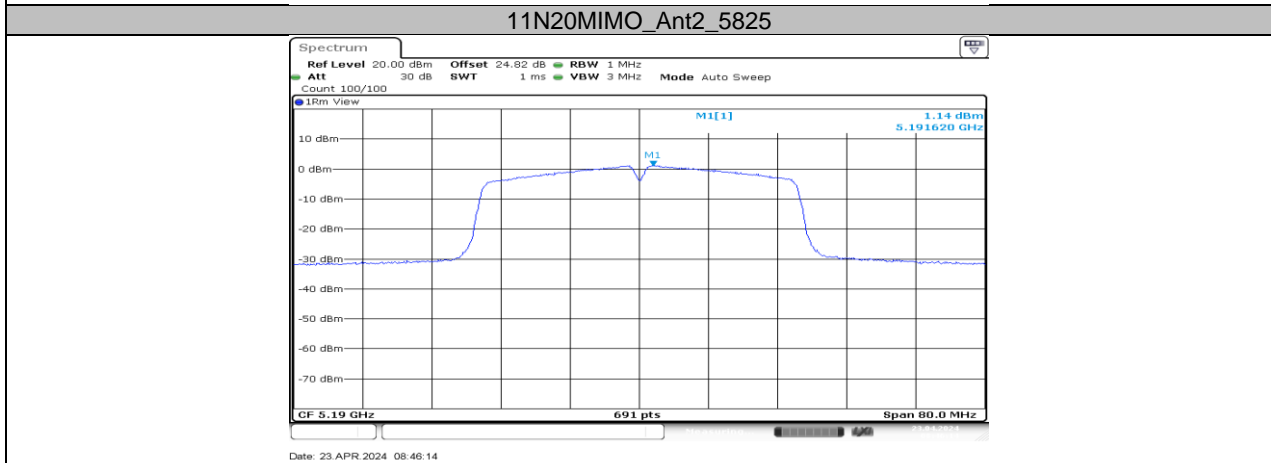
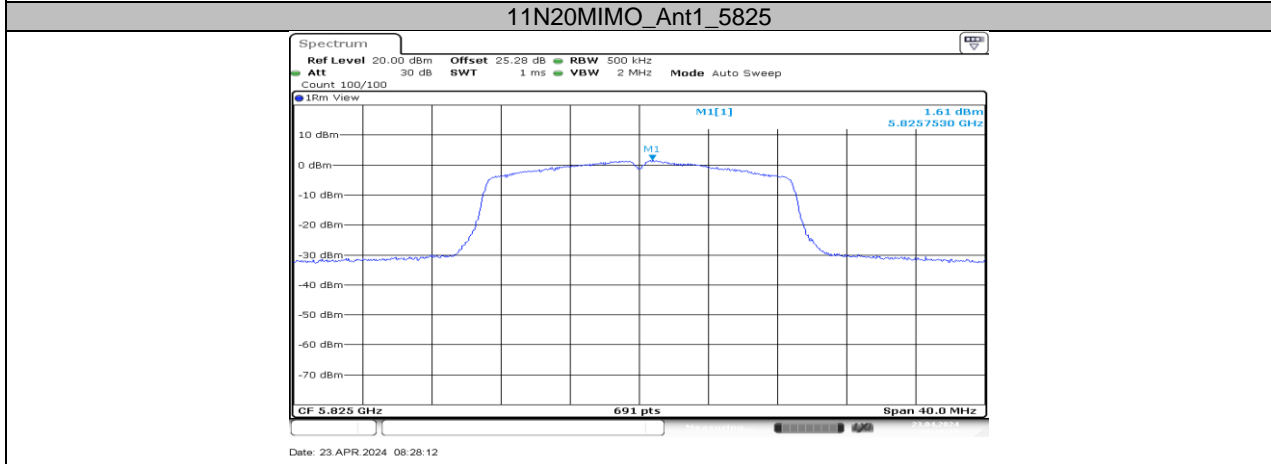
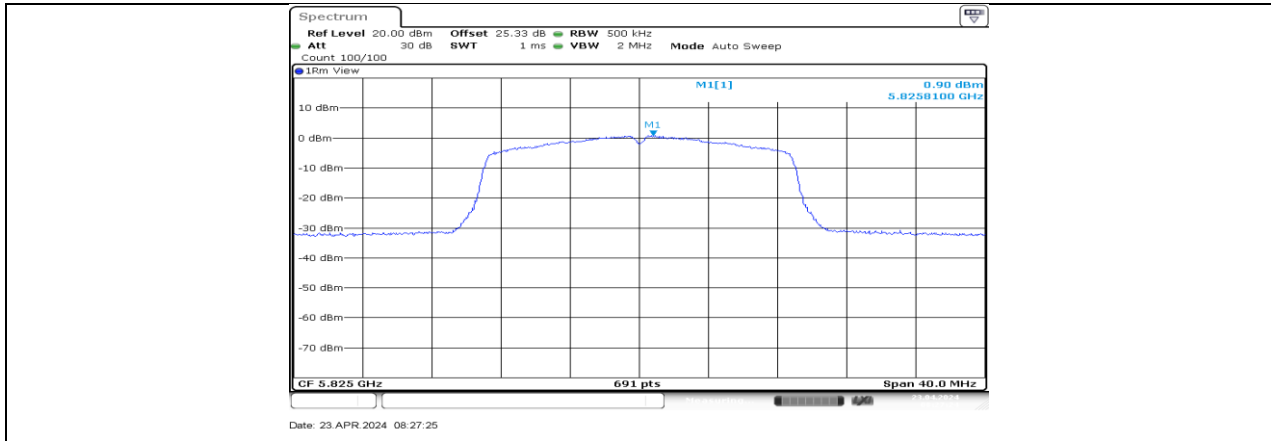
11N20MIMO_Ant2_5745

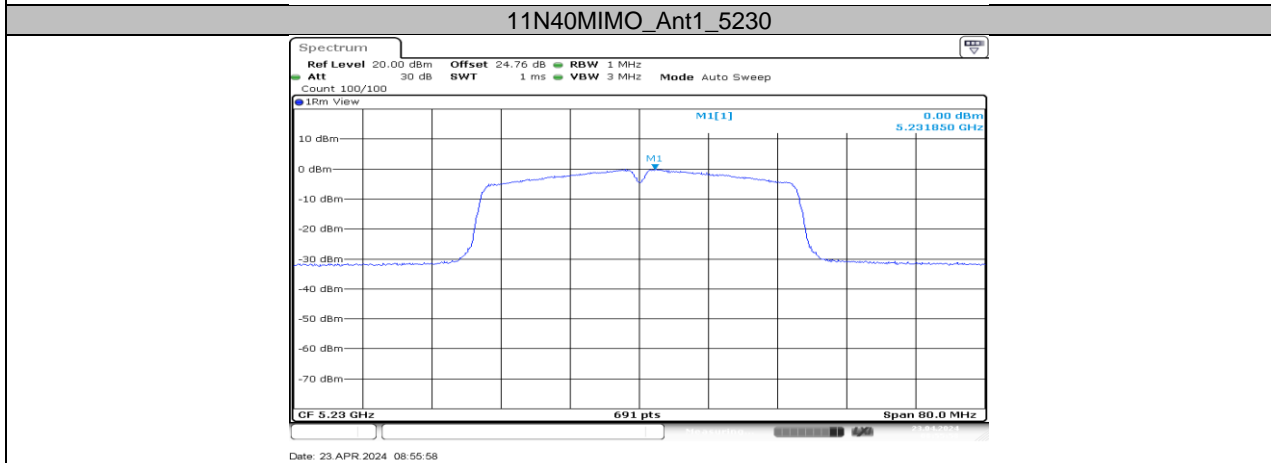
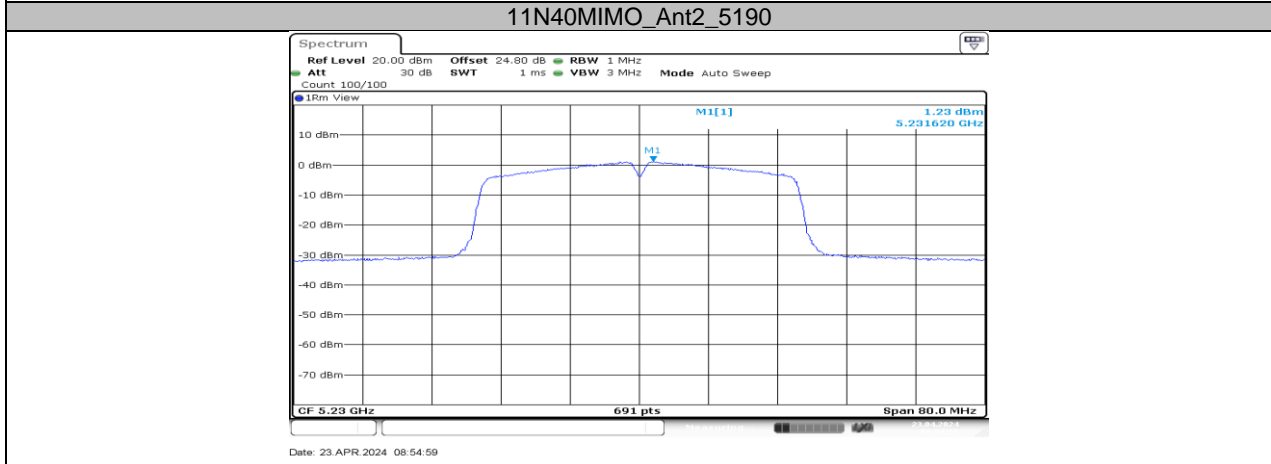
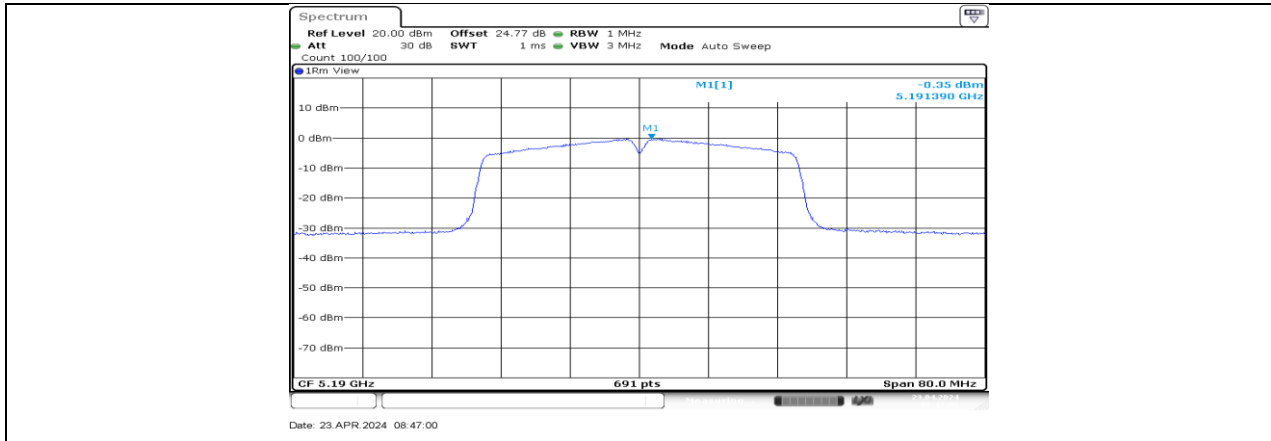


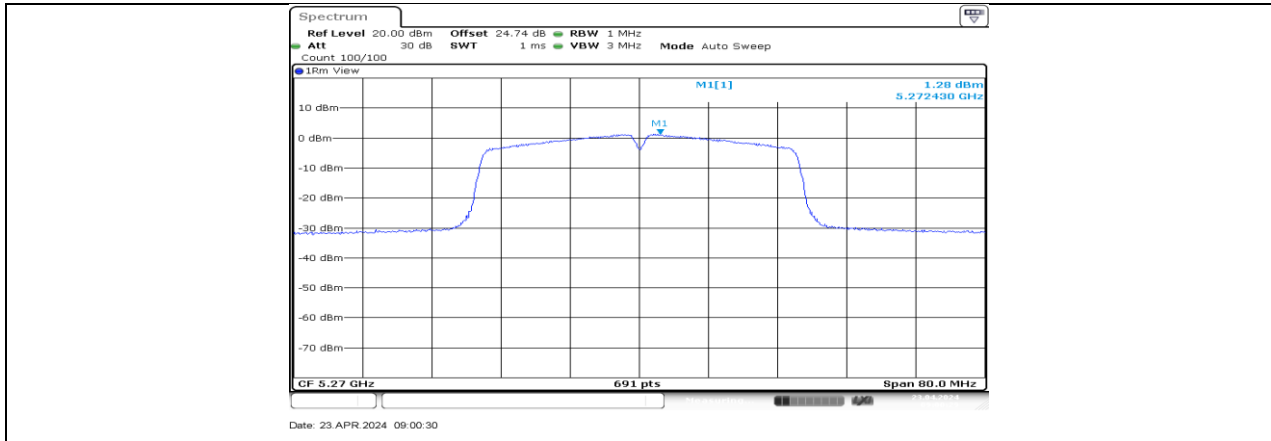
11N20MIMO_Ant1_5785



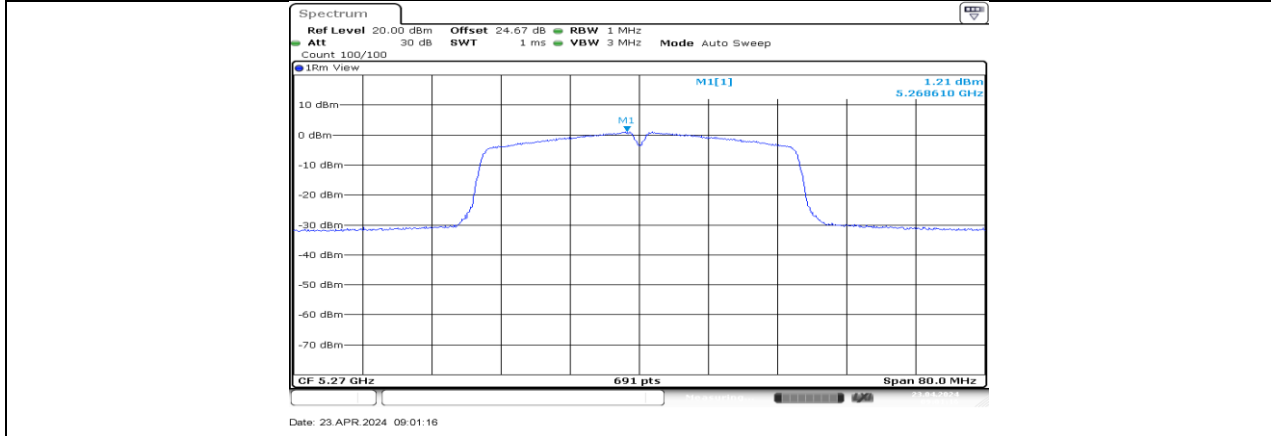
11N20MIMO_Ant2_5785



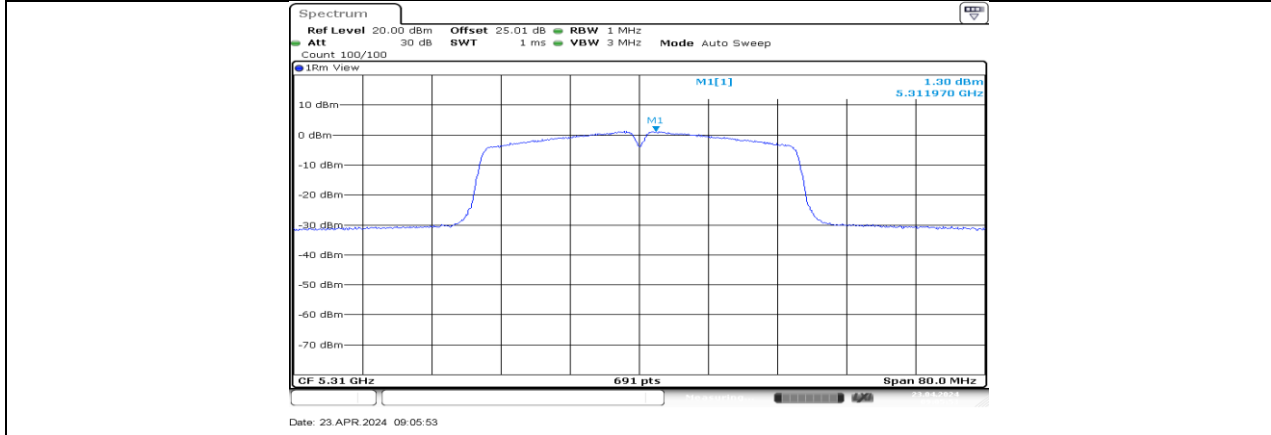




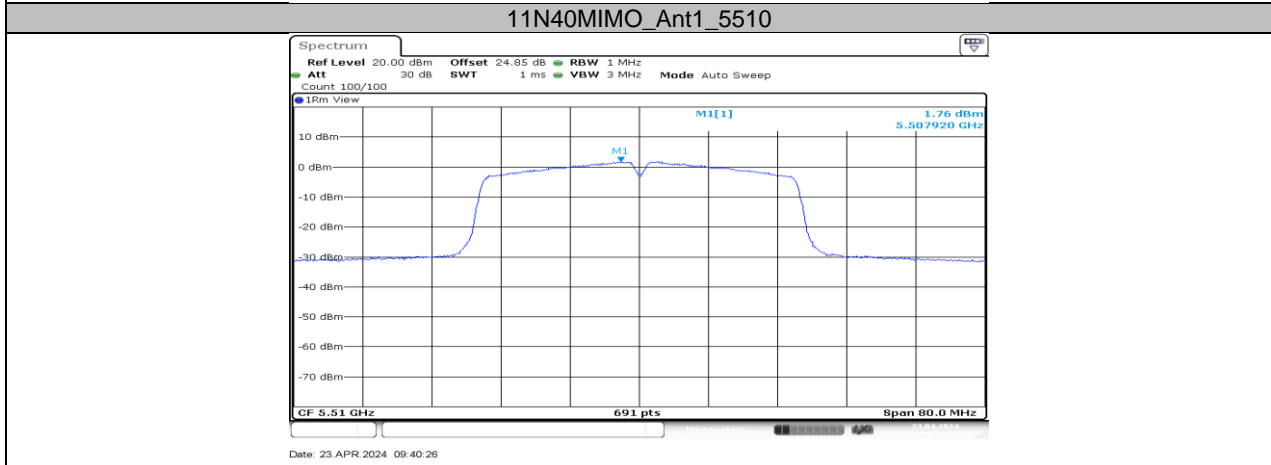
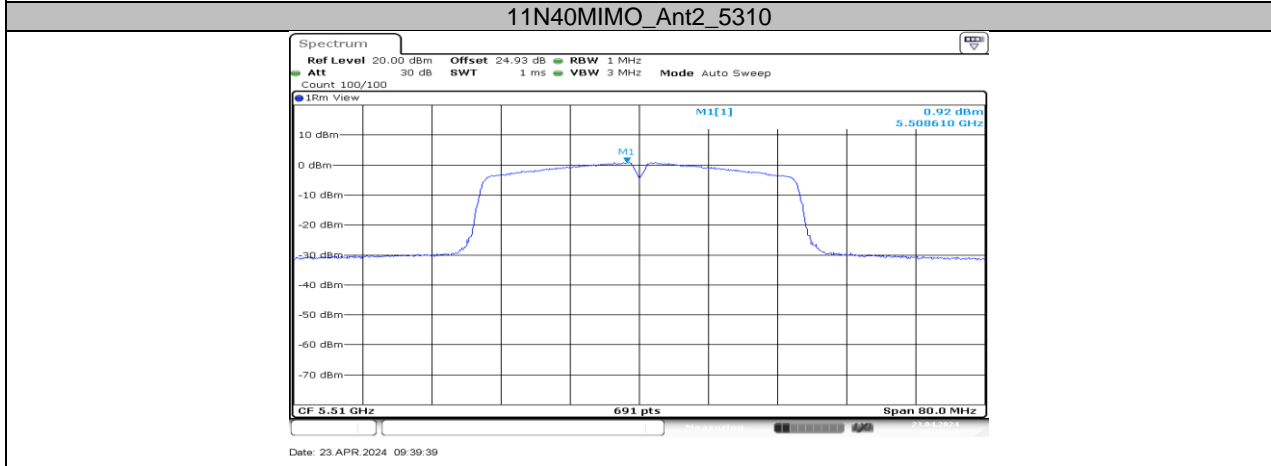
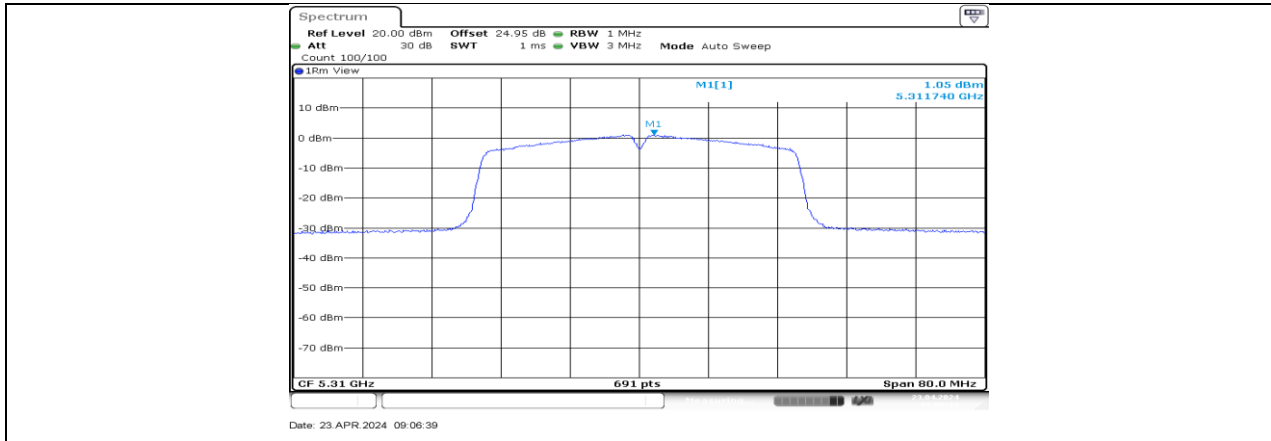
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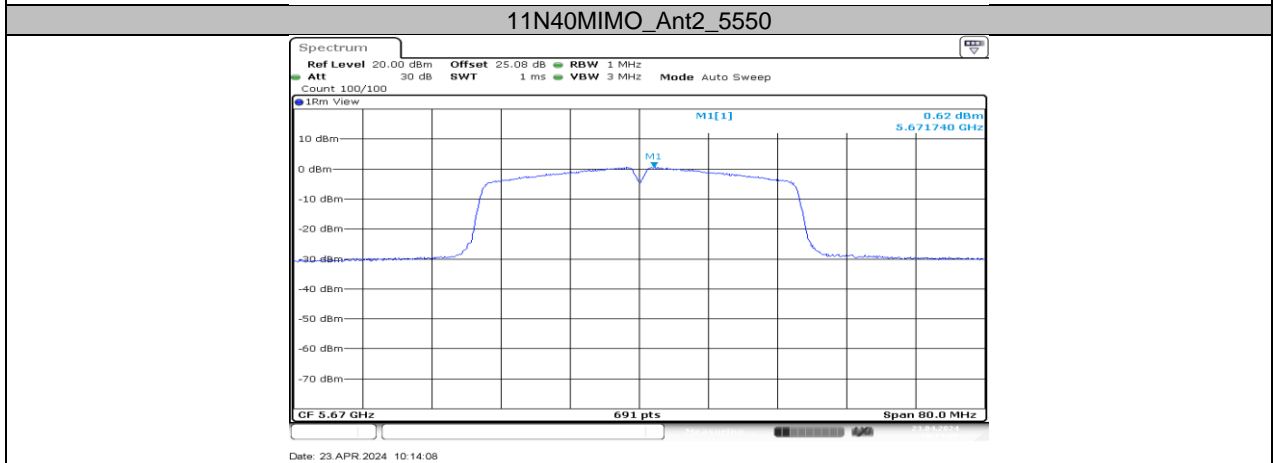
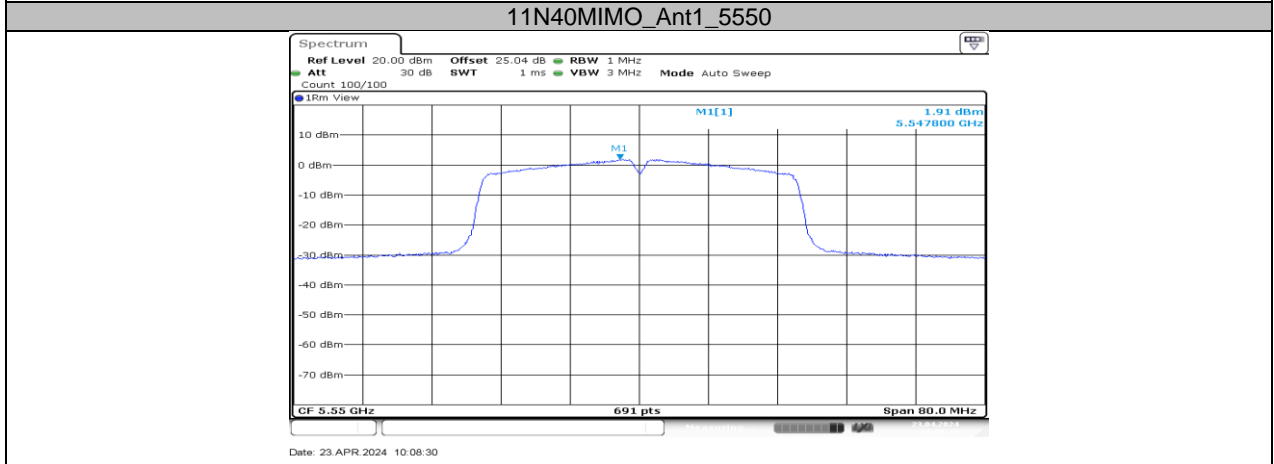
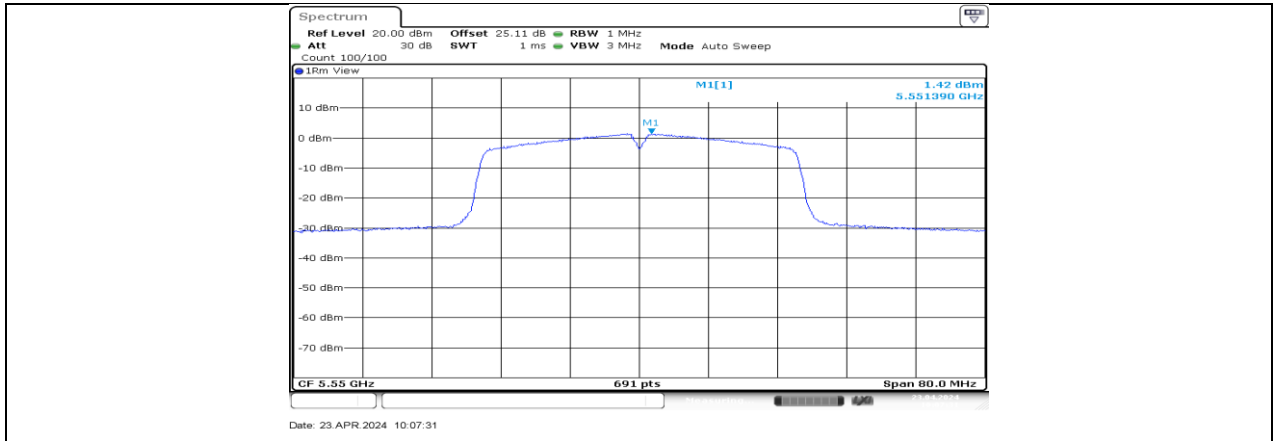


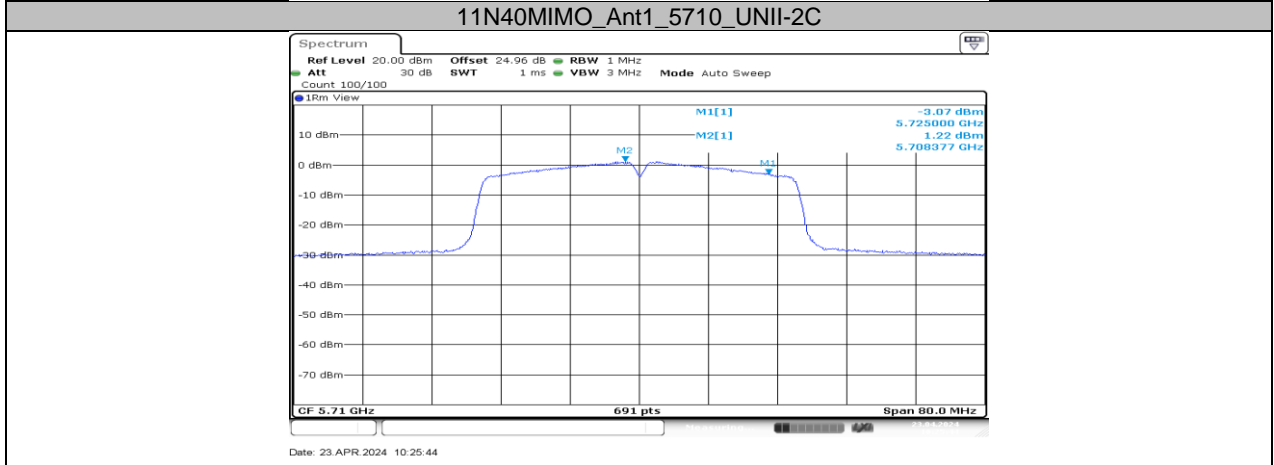
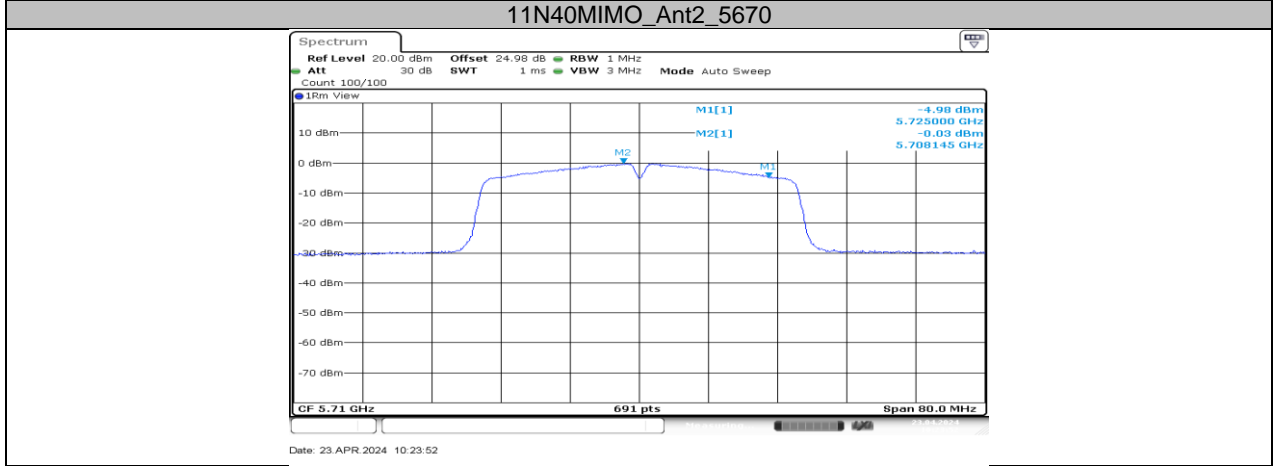
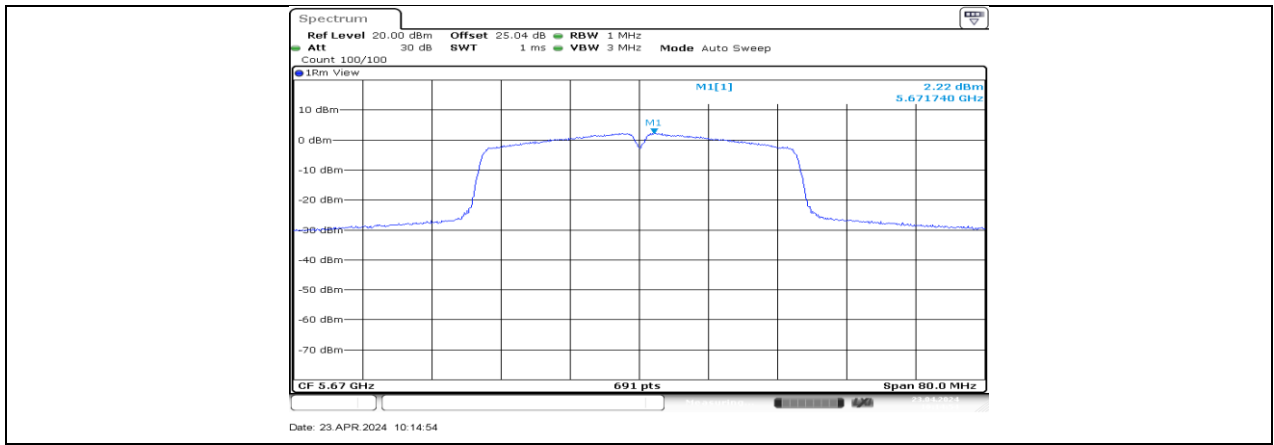
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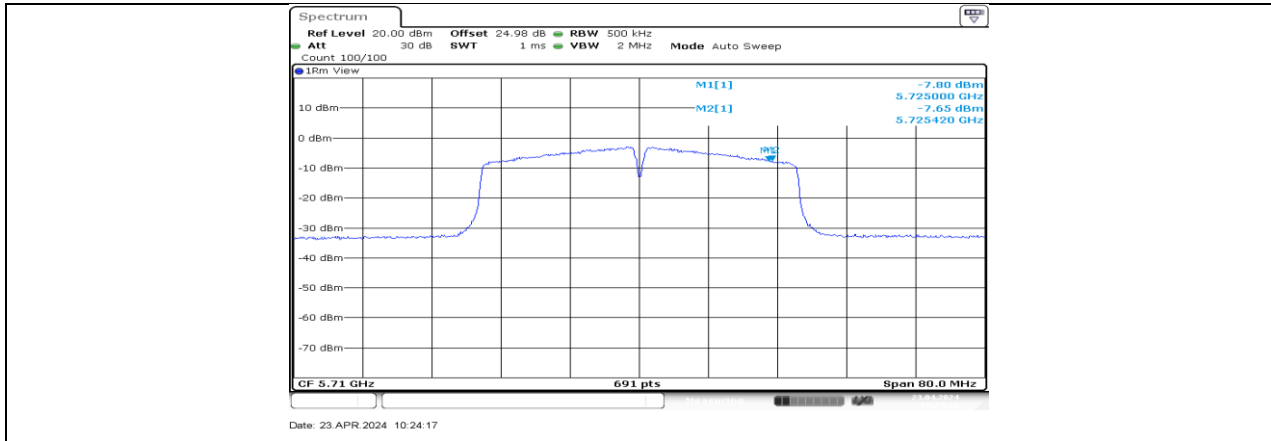


11N40MIMO_Ant1_5310

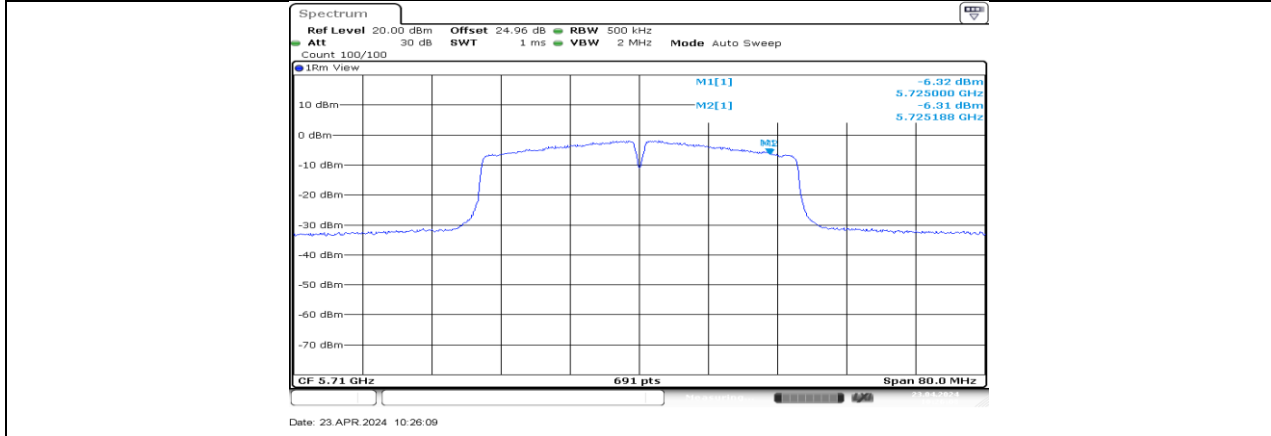




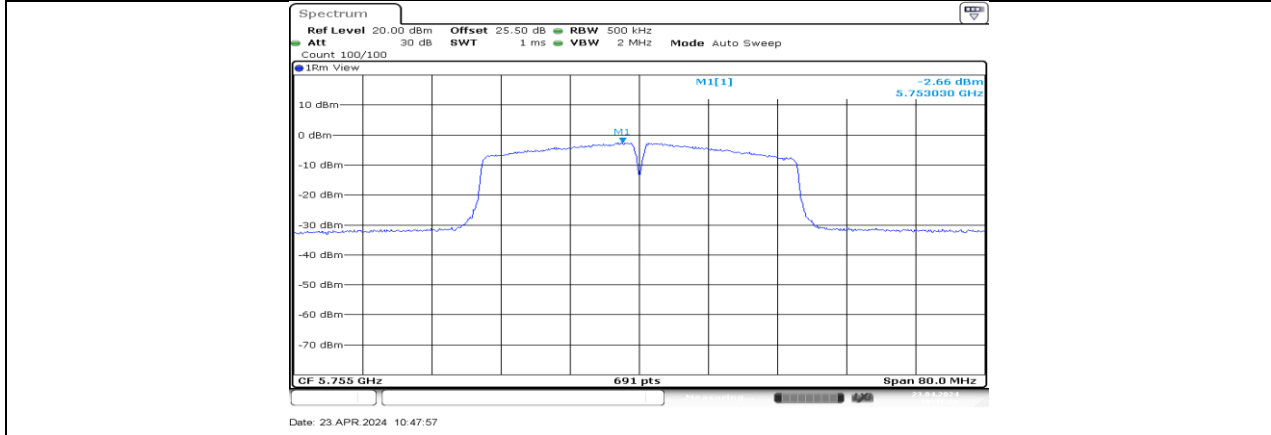




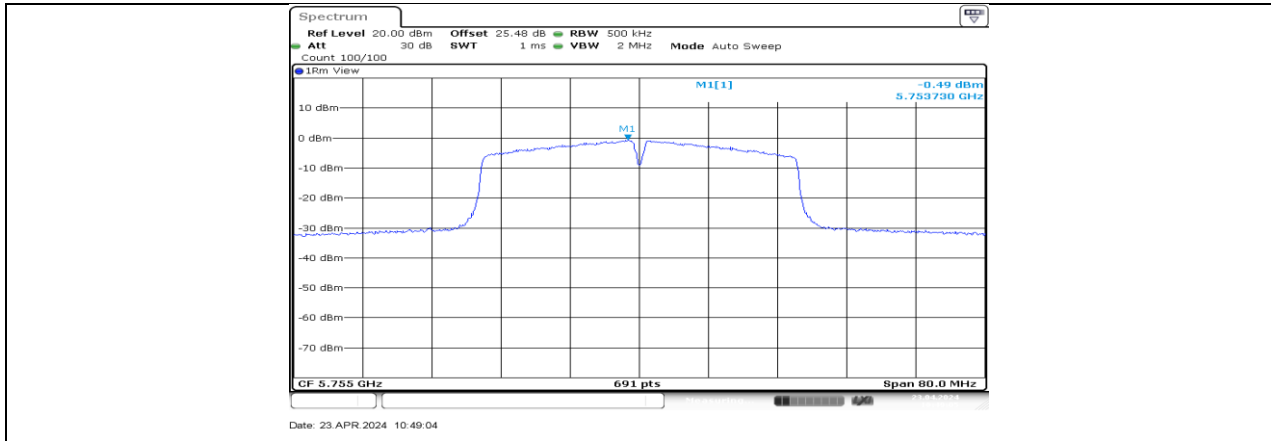
11N40MIMO_Ant1_5710_UNII-3



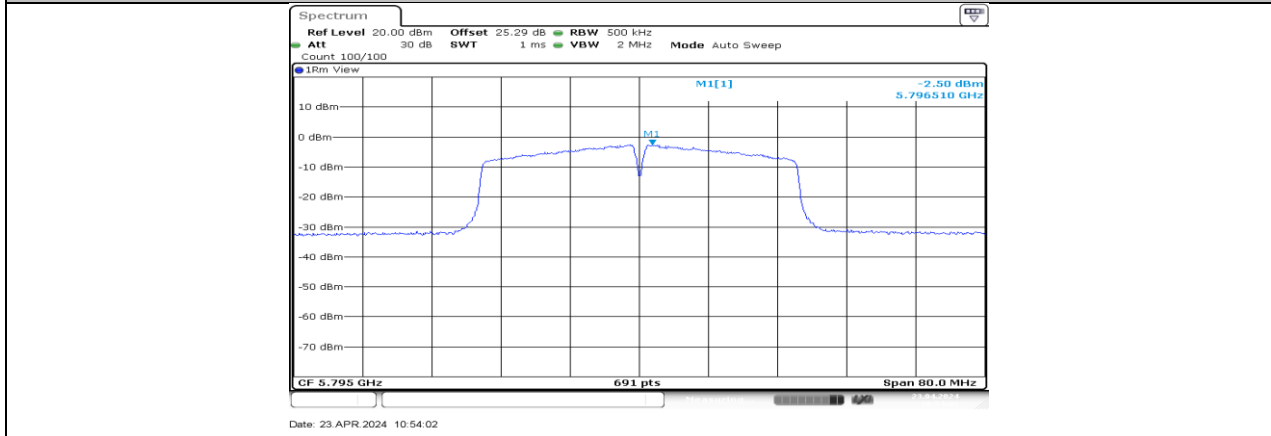
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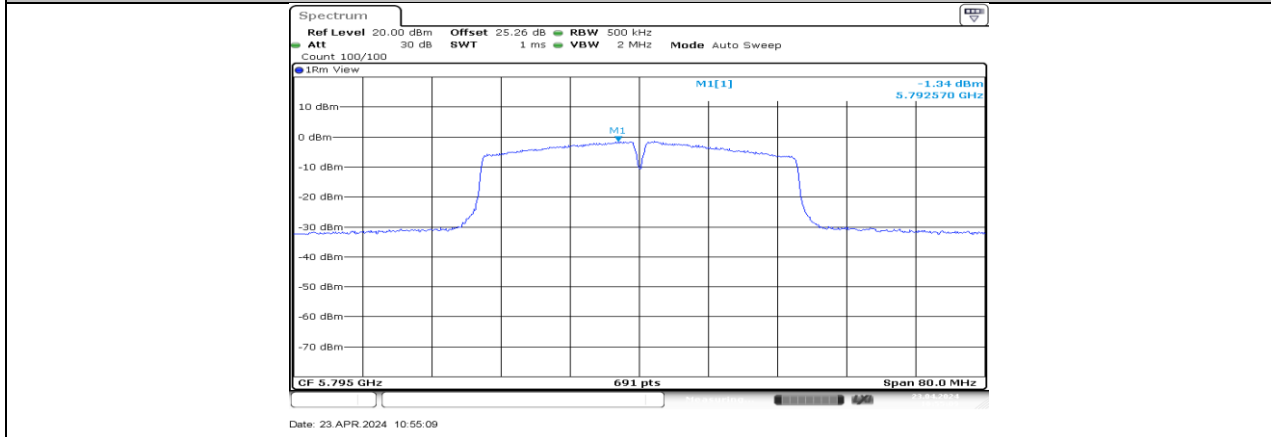
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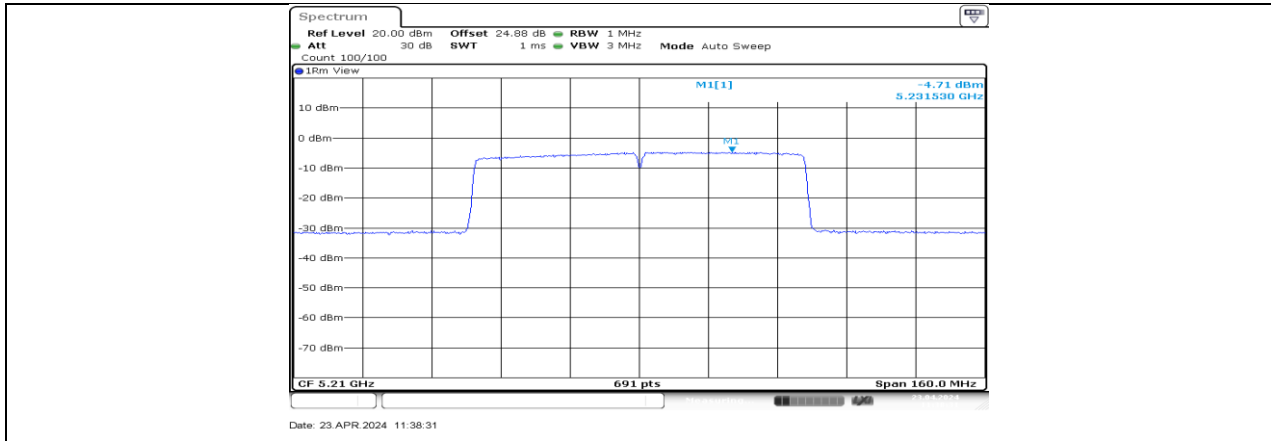
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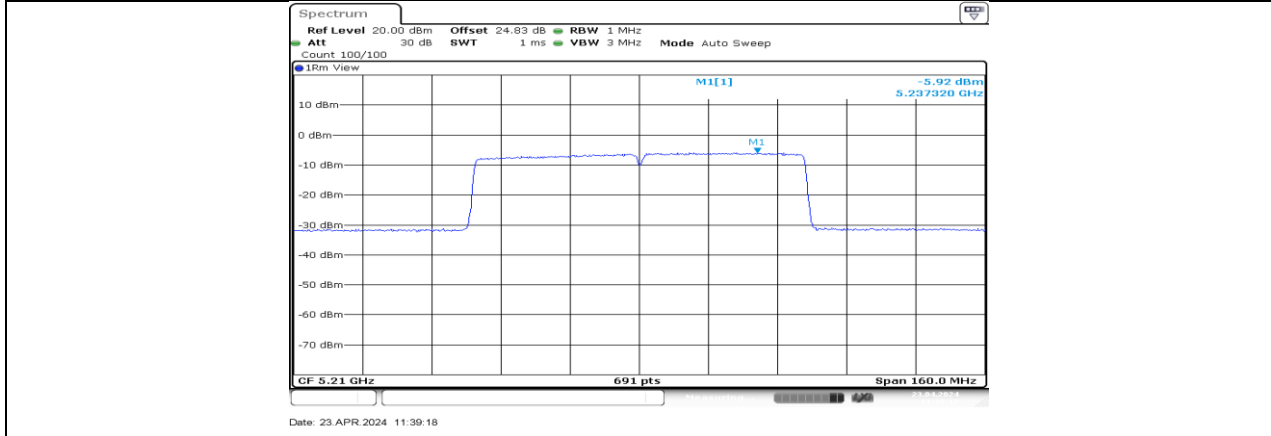
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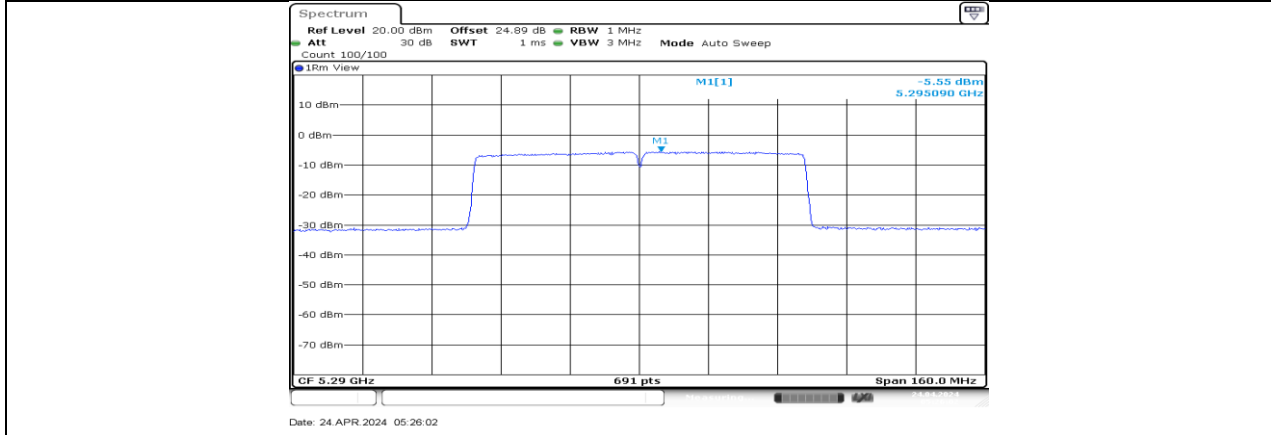
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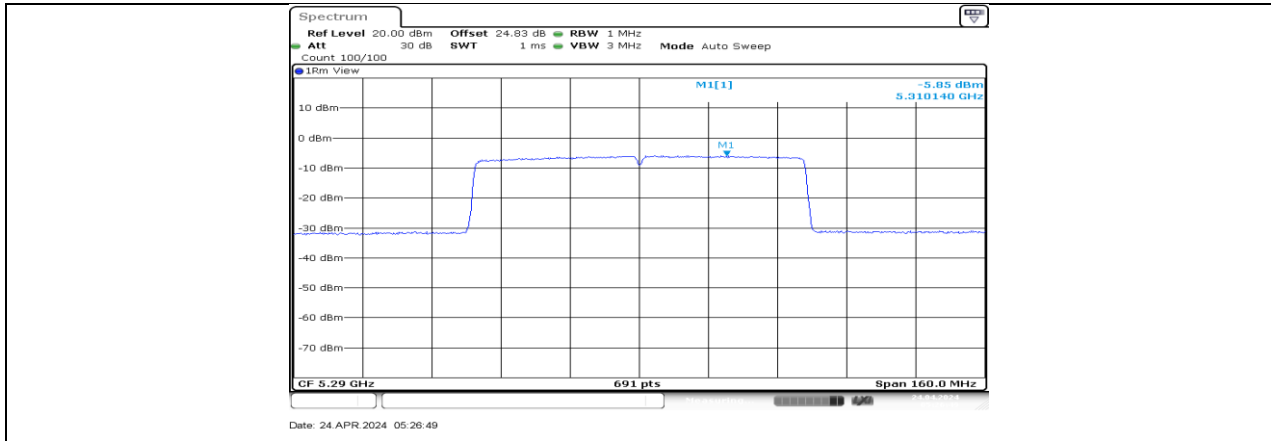
11AC80MIMO_Ant1_5210



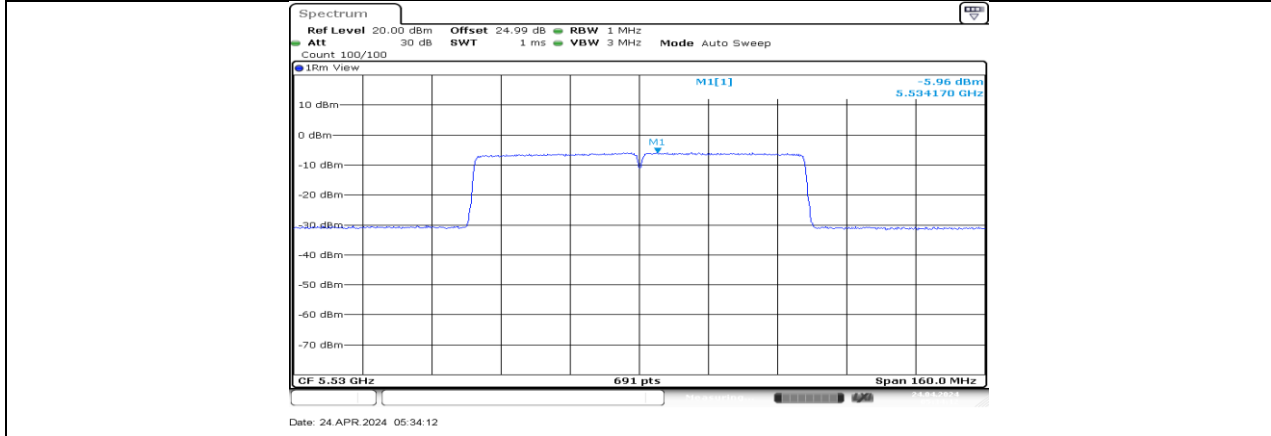
11AC80MIMO_Ant2_5210



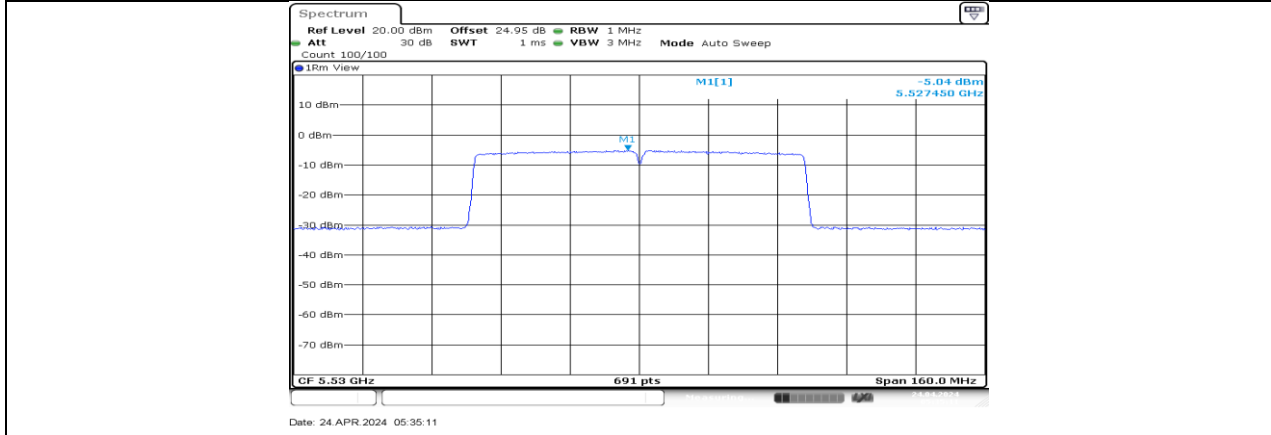
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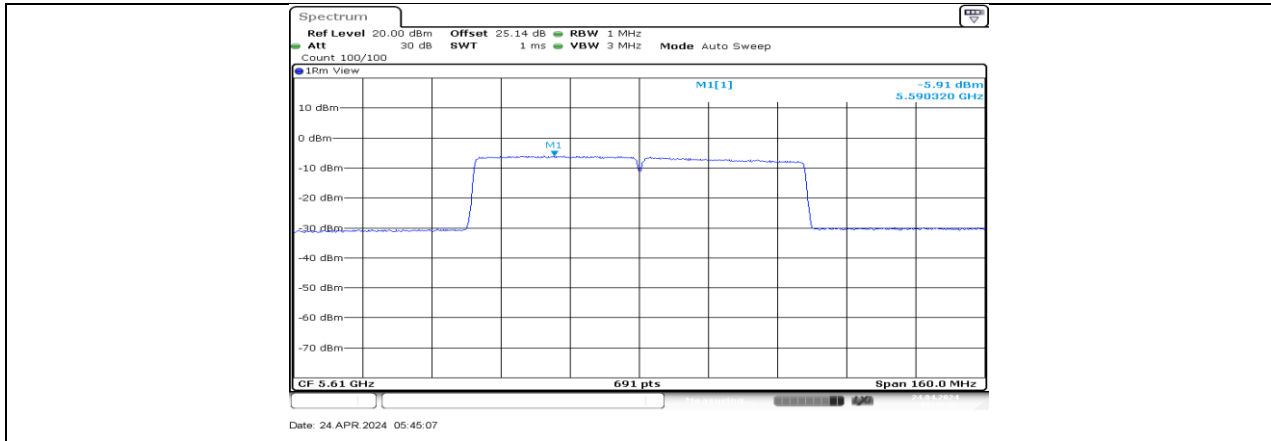
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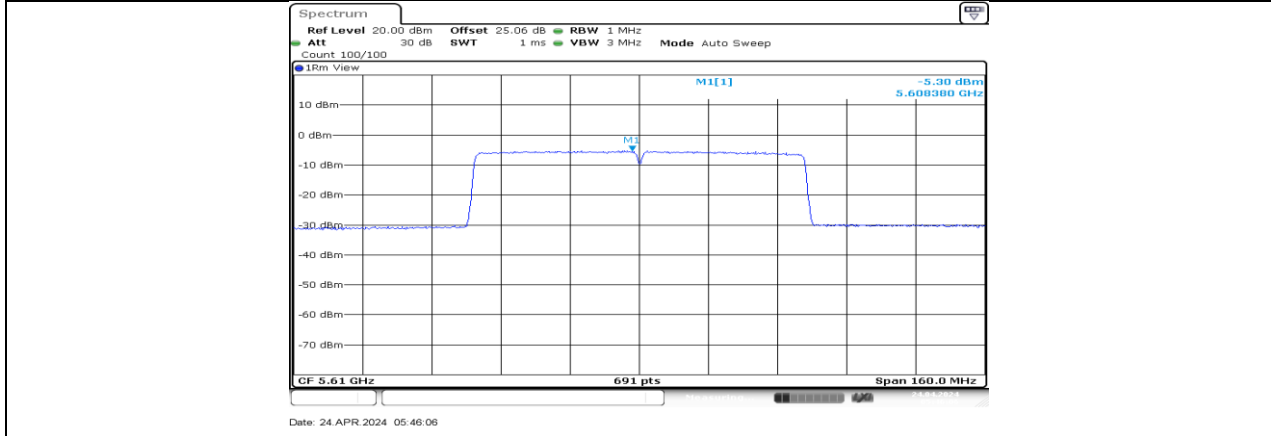
11AC80MIMO_Ant1_5530



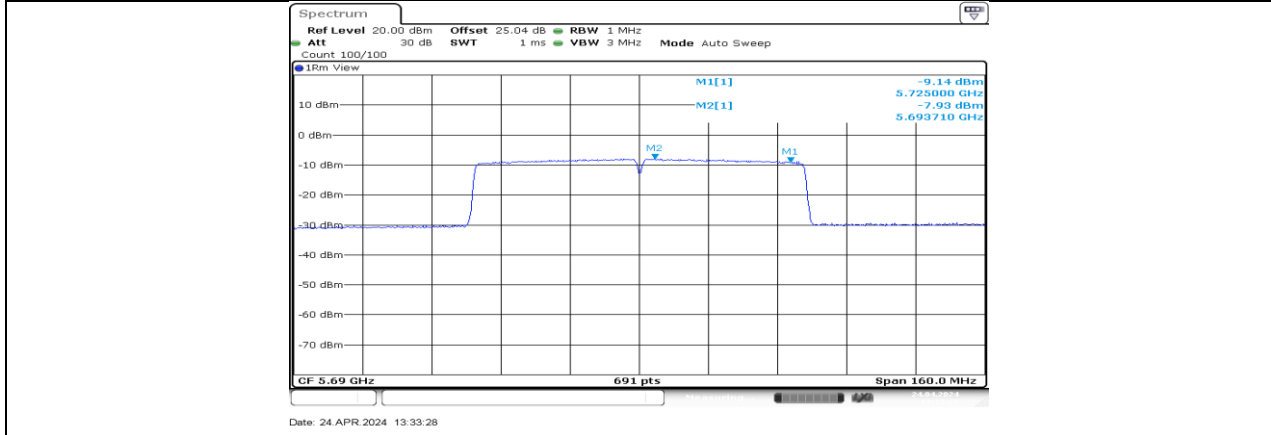
11AC80MIMO_Ant2_5530



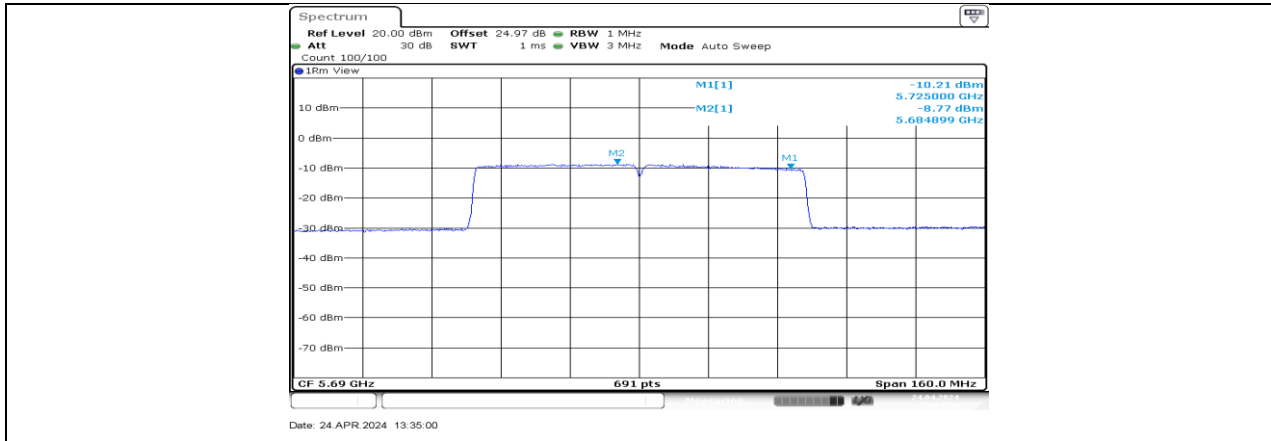
11AC80MIMO_Ant1_5610



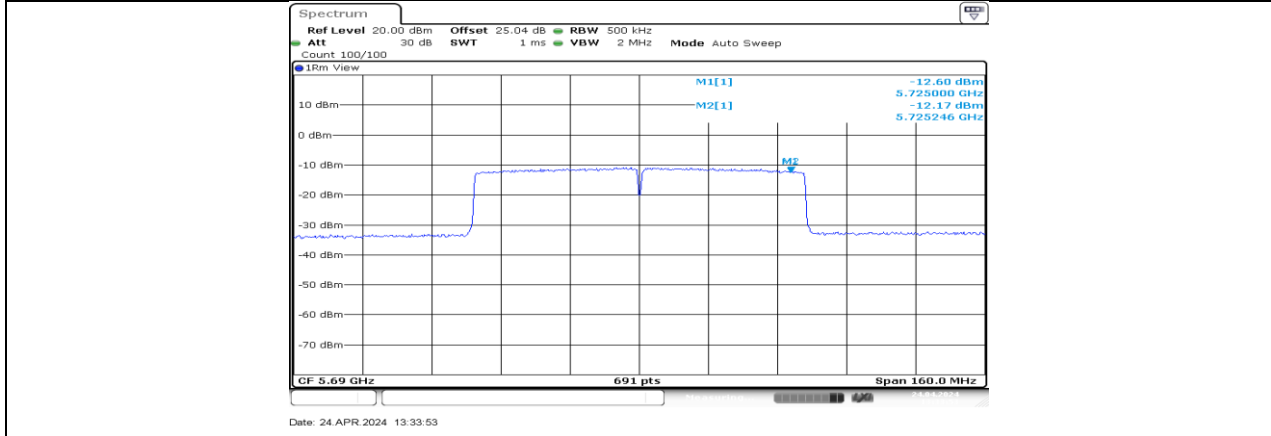
11AC80MIMO_Ant2_5610



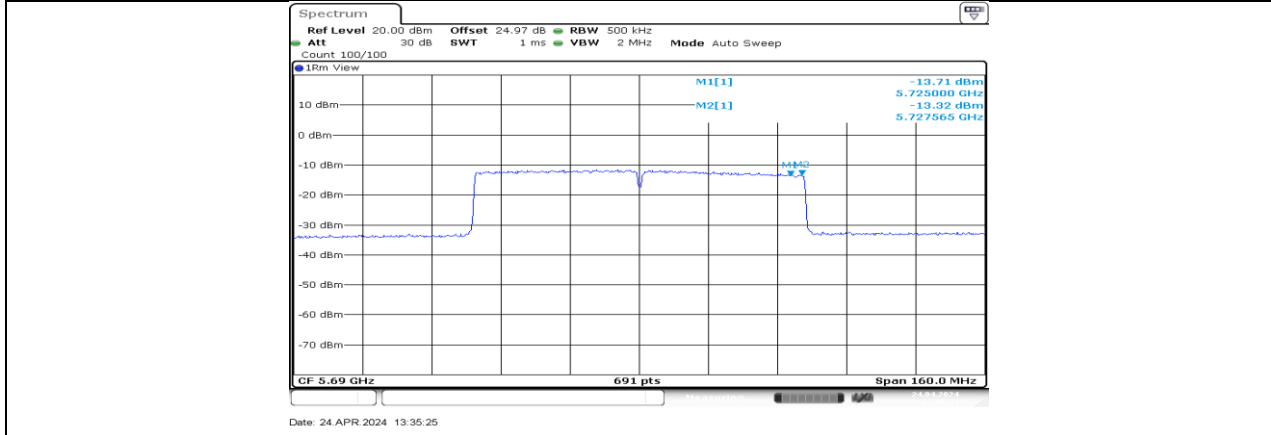
11AC80MIMO_Ant1_5690_UNII-2C



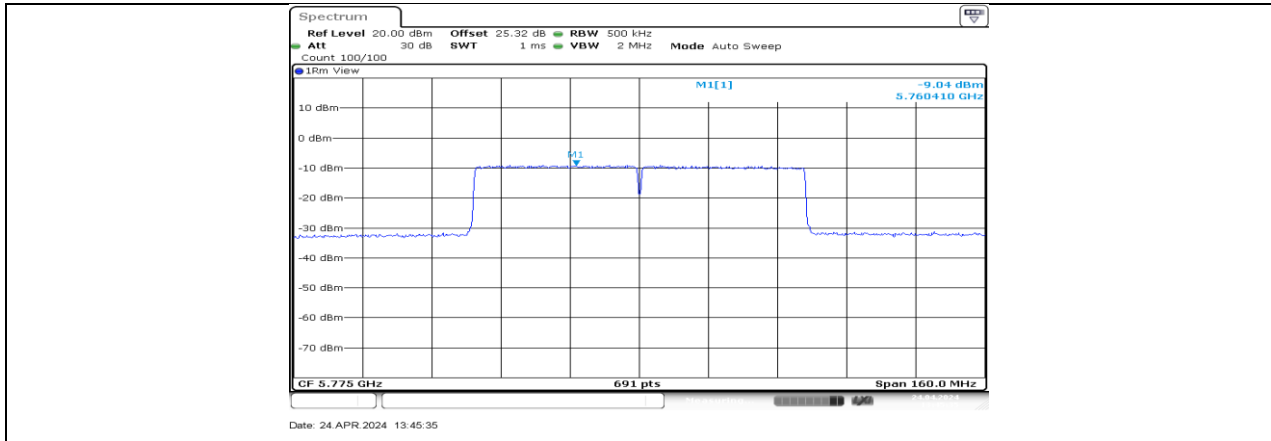
11AC80MIMO_Ant2_5690_UNII-2C



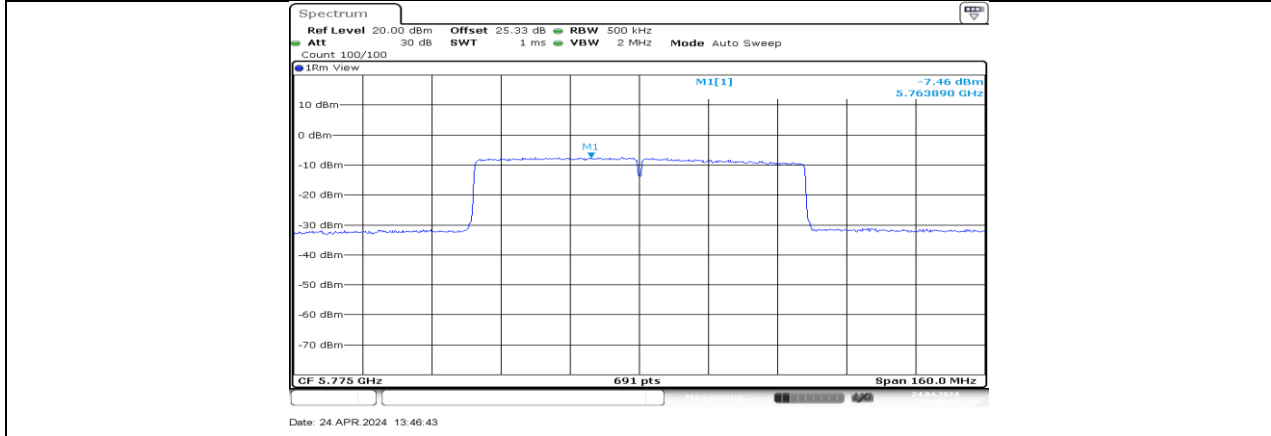
11AC80MIMO_Ant1_5690_UNII-3



11AC80MIMO_Ant2_5690_UNII-3



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

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	5179.9809	-3.69	5179.9904	-1.86	5179.9861	-2.68	5179.9844	-3.01
TN	VN	5179.9989	-0.21	5180.0159	3.06	5179.9789	-4.08	5180.0065	1.26
TN	VH	5180.0038	0.74	5180.0233	4.50	5180.0075	1.45	5180.0187	3.60

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)
40	VN	5179.9958	-0.82	5180.0017	0.33	5179.9878	-2.35	5179.9776	-4.32
30	VN	5179.9761	-4.62	5179.9947	-1.03	5180.0040	0.77	5179.9824	-3.39
20	VN	5180.0076	1.47	5179.9901	-1.91	5179.9763	-4.57	5180.0211	4.08
10	VN	5180.0083	1.60	5179.9770	-4.44	5180.0195	3.77	5180.0213	4.11
0	VN	5179.9832	-3.25	5179.9757	-4.69	5179.9822	-3.43	5180.0250	4.82
-10	VN	5180.0064	1.24	5179.9924	-1.46	5180.0102	1.97	5179.9843	-3.03

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 10 TEST ENVIRONMENT.

Frequency Error vs. Voltage									
802.11a:5825MHz									
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	5825.0148	2.54	5824.9914	-1.47	5825.0199	3.41	5824.9762	-4.09
TN	VN	5825.0126	2.15	5825.0099	1.71	5824.9988	-0.21	5824.9755	-4.20
TN	VH	5824.9954	-0.79	5825.0038	0.66	5824.9906	-1.61	5824.9966	-0.58

Frequency Error vs. Temperature									
802.11a:5825MHz									
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	5825.0196	3.36	5825.0141	2.41	5825.0032	0.55	5825.0058	1.00
30	VN	5825.0038	0.65	5825.0001	0.01	5825.0123	2.11	5824.9765	-4.04
20	VN	5824.9950	-0.85	5825.0152	2.60	5825.0046	0.79	5825.0187	3.21
10	VN	5824.9955	-0.77	5824.9813	-3.21	5825.0161	2.76	5825.0209	3.59
0	VN	5825.0143	2.46	5825.0224	3.85	5825.0134	2.31	5825.0244	4.18
-10	VN	5824.9823	-3.04	5824.9861	-2.38	5825.0093	1.59	5825.0152	2.61

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 10 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-CDD	100	100	1.0000	100.00	0.00	0.01	0.01
11N20MIMO	100	100	1.0000	100.00	0.00	0.01	0.01
11N40MIMO	100	100	1.0000	100.00	0.00	0.01	0.01
11AC80MIMO	100	100	1.0000	100.00	0.00	0.01	0.01

Note:

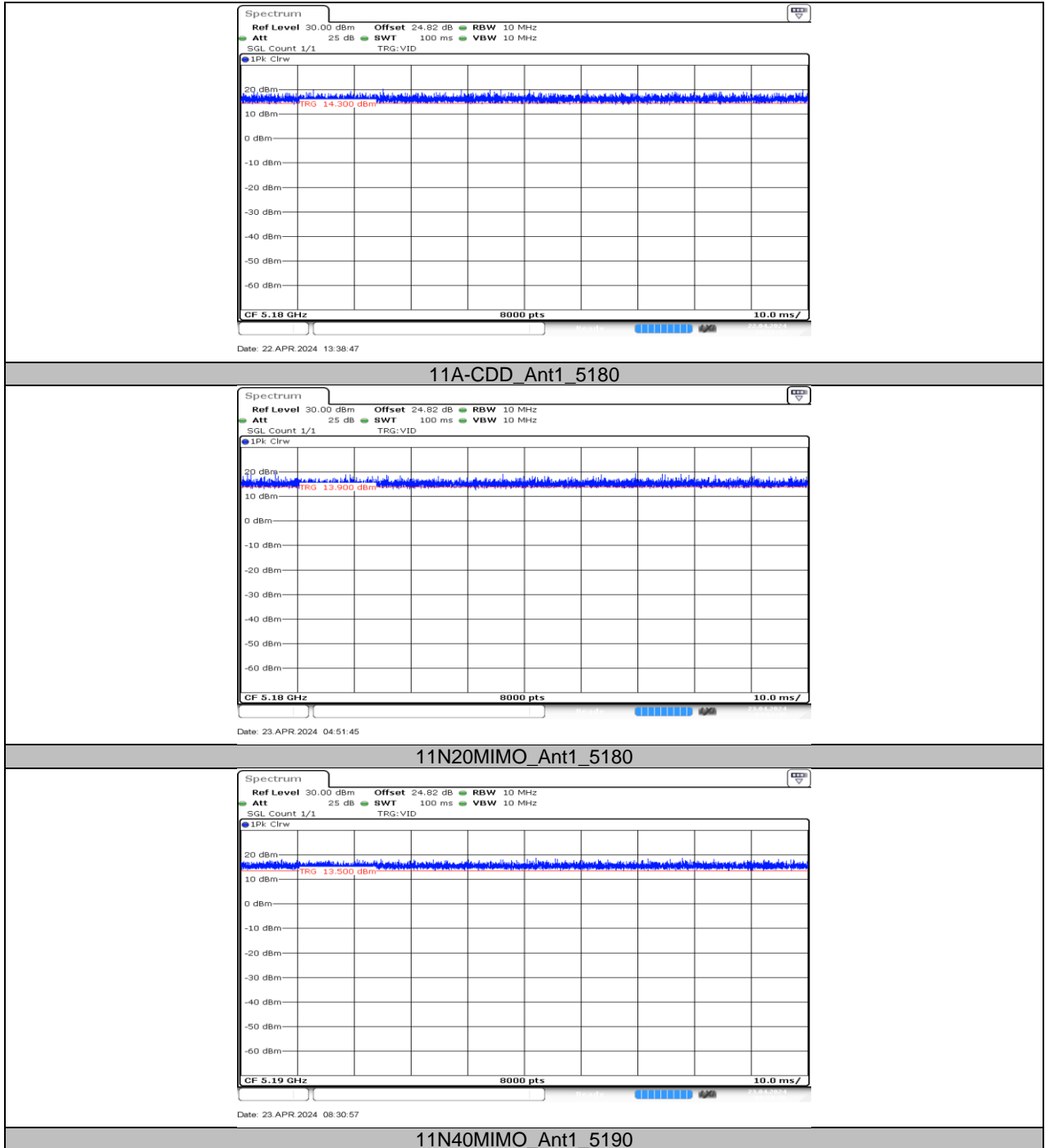
Duty Cycle Correction Factor=10log (1/x).

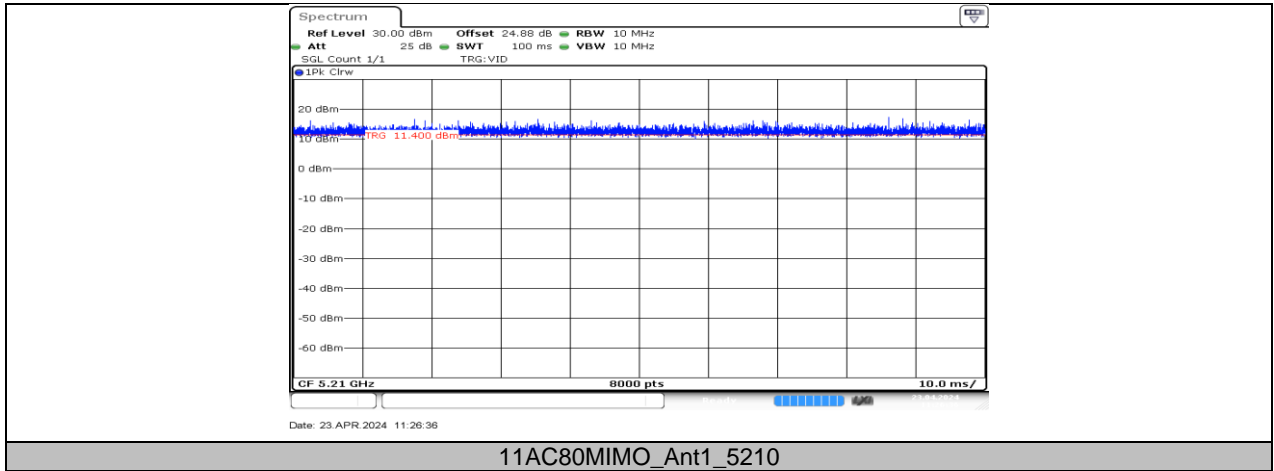
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

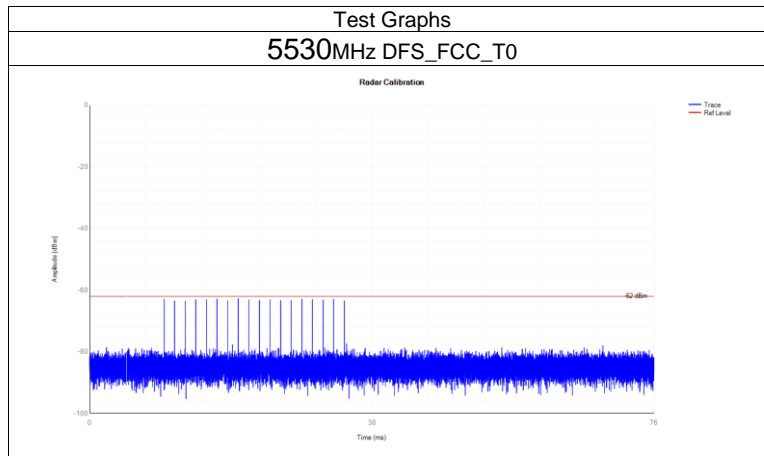
11.7.2. Test Graphs





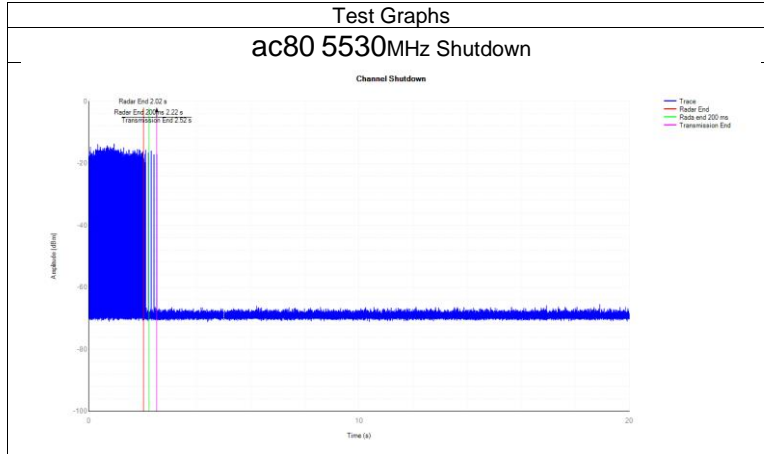
11.8. APPENDIX H: CALIBRATION

Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5530	DFS_FCC_T0	See test Graph	Pass



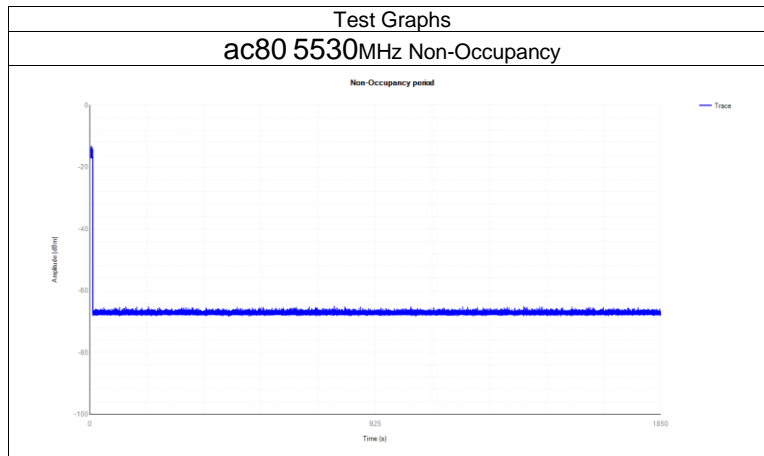
11.9. APPENDIX I: SHUTDOWN TIME

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
ac80	5530	0.492	10	0.019	0.26	0.003	0.06	Pass



11.10. APPENDIX J: NON-OCCUPANCY

Mode	Frequency (MHz)	Result	Verdict
ac80	5530	See test Graph	Pass



END OF REPORT