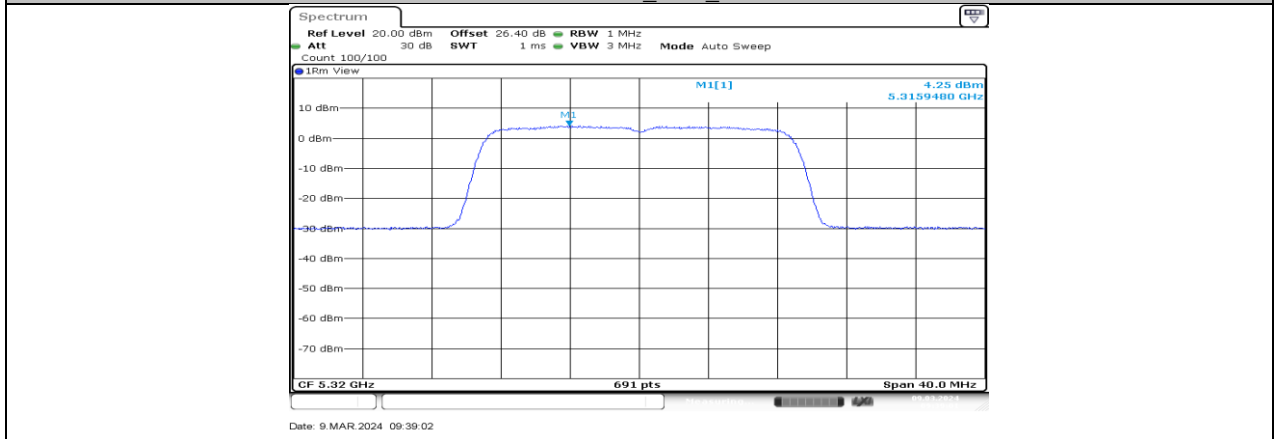
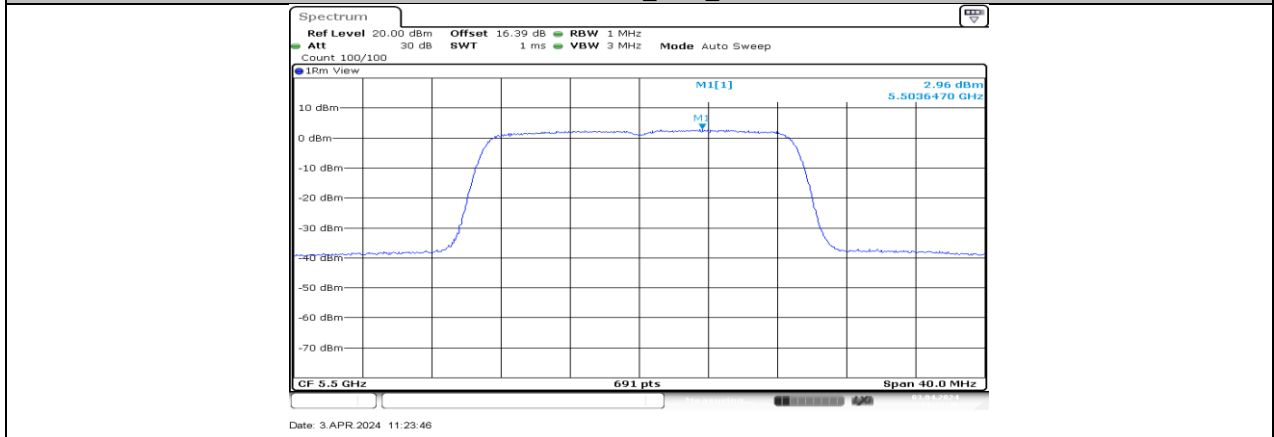


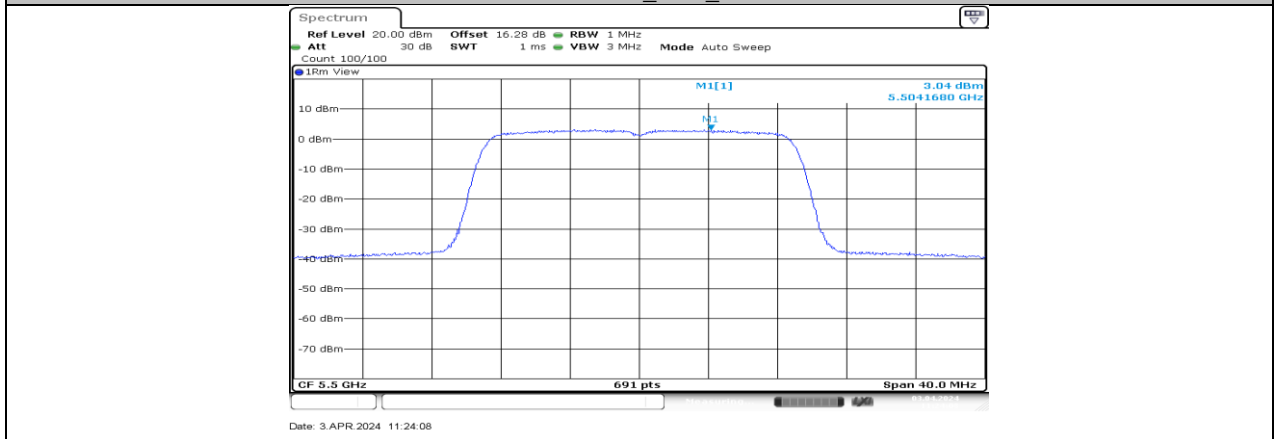
11N20MIMO\_Ant1\_5320

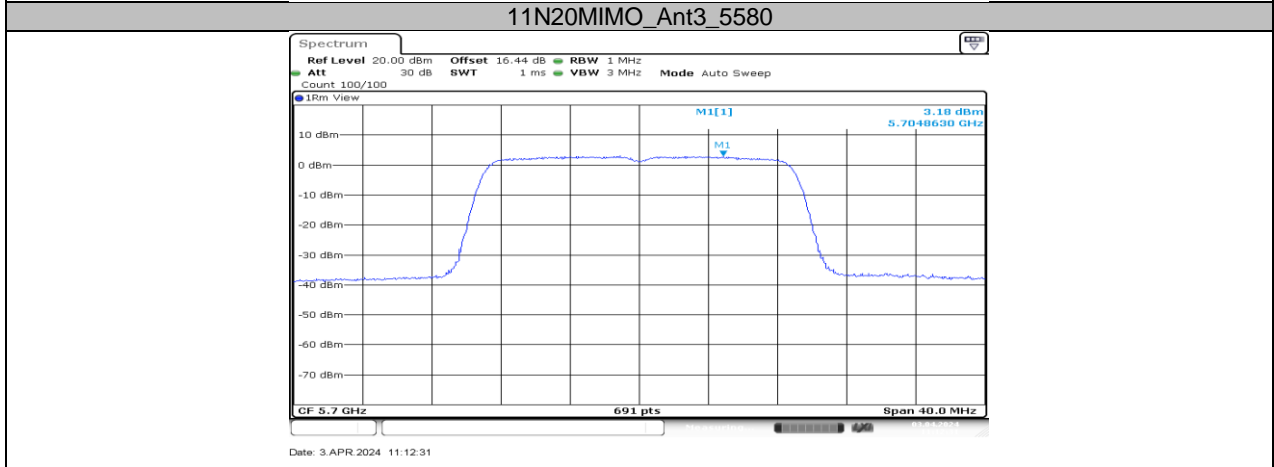
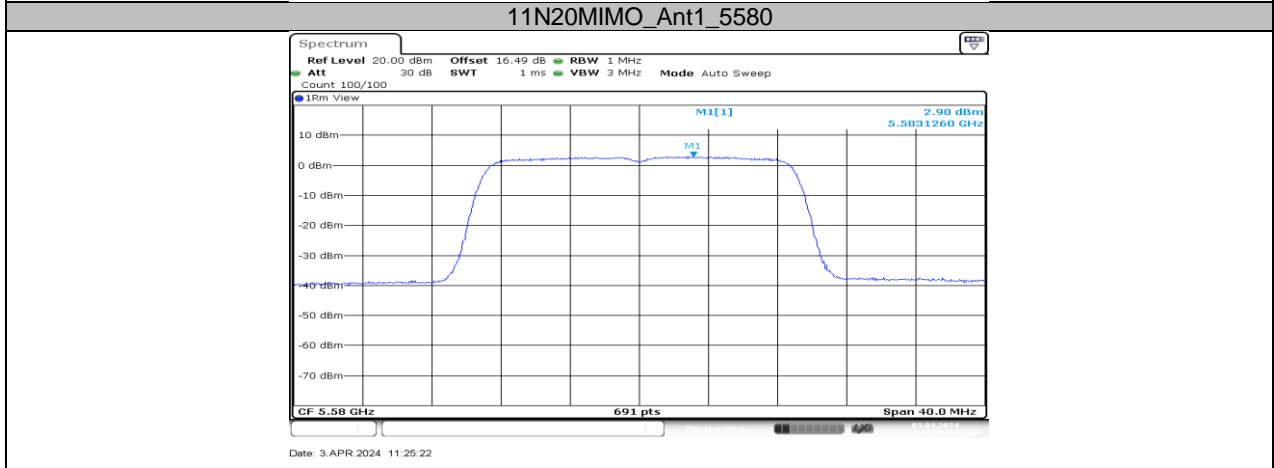
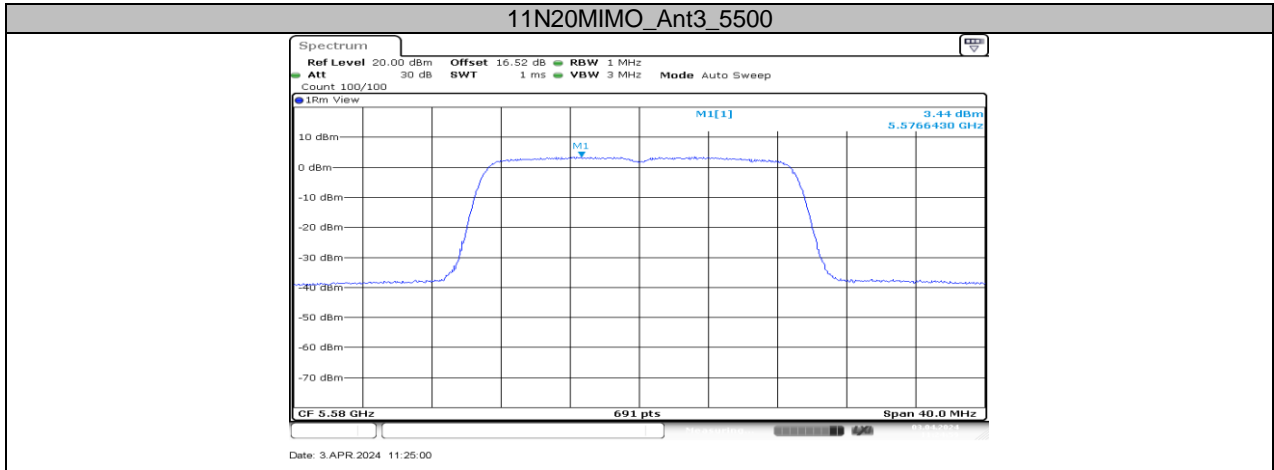


11N20MIMO\_Ant3\_5320

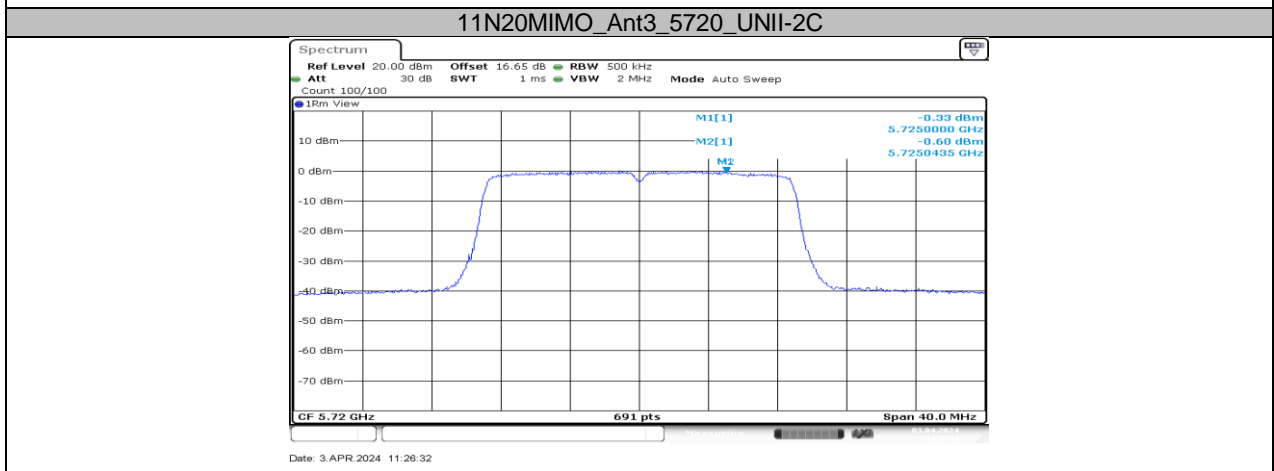
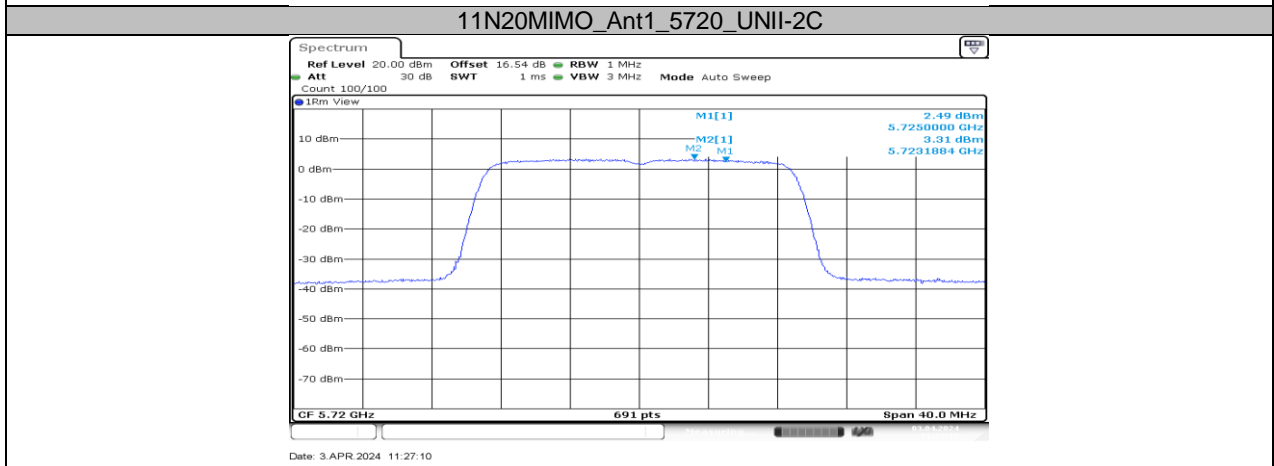
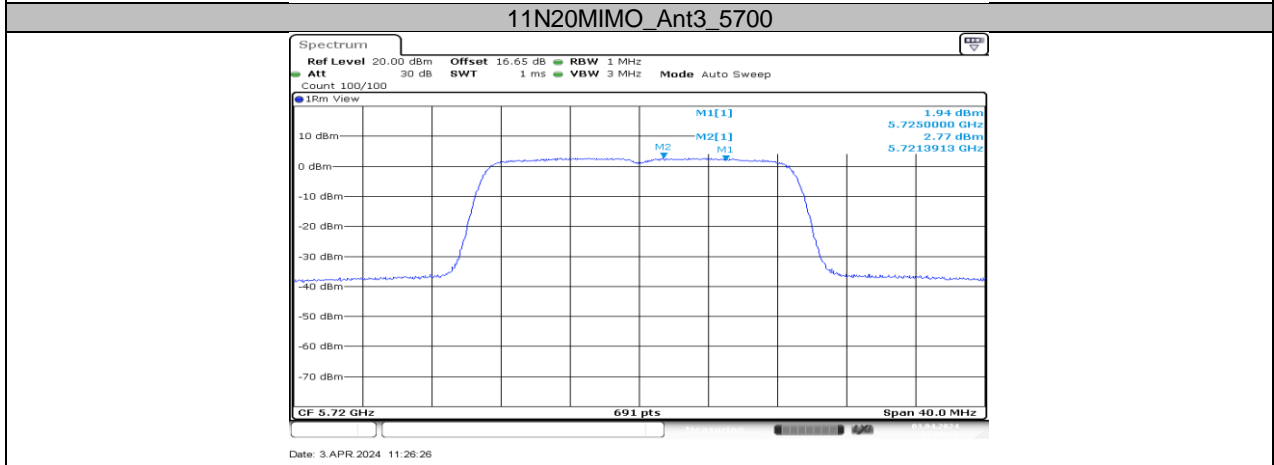
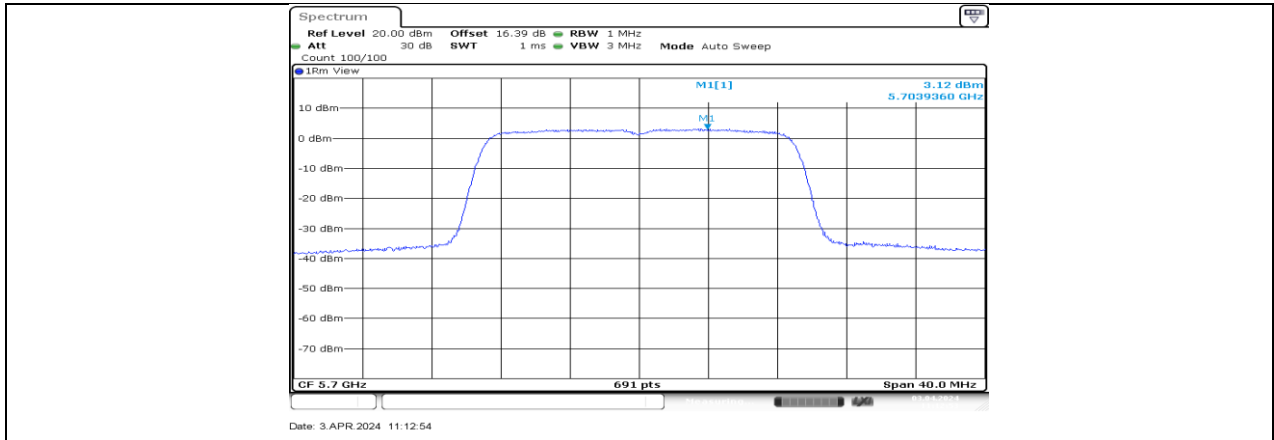


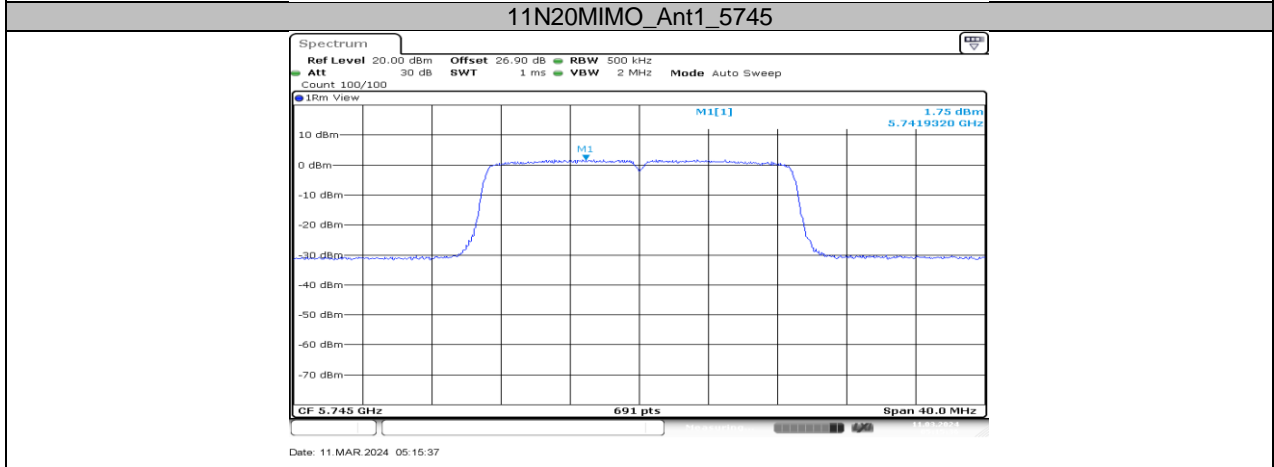
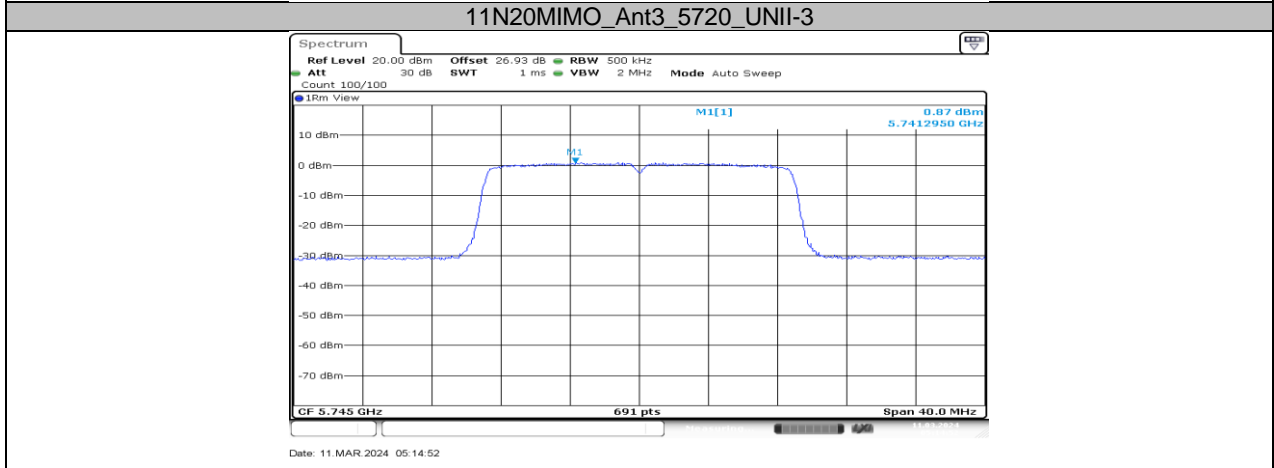
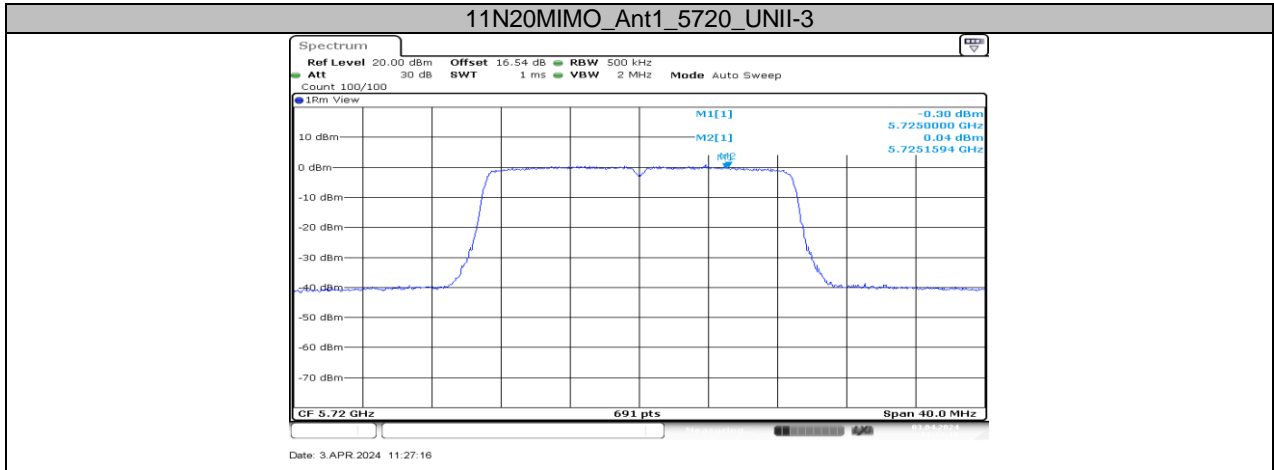
11N20MIMO\_Ant1\_5500



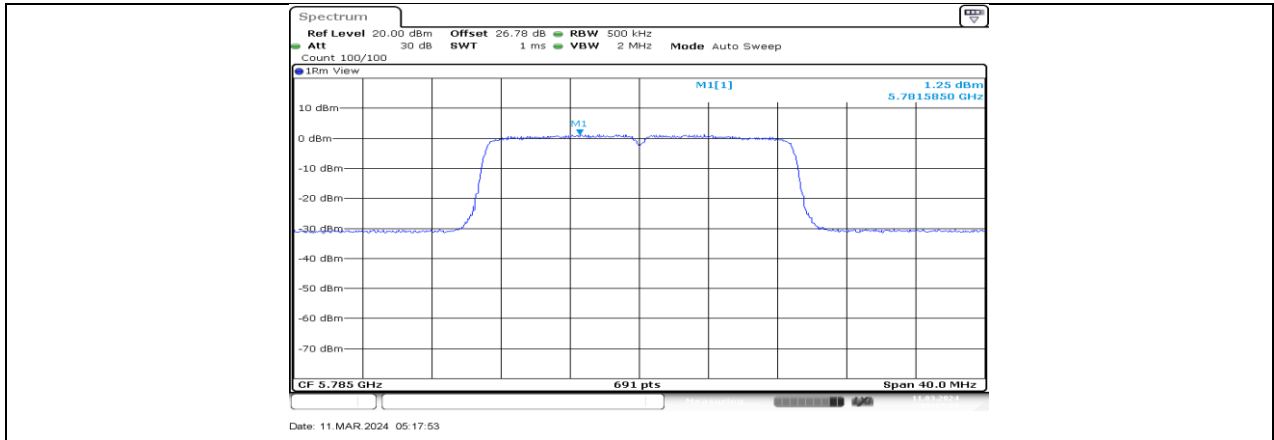


### 11N20MIMO\_Ant1\_5700

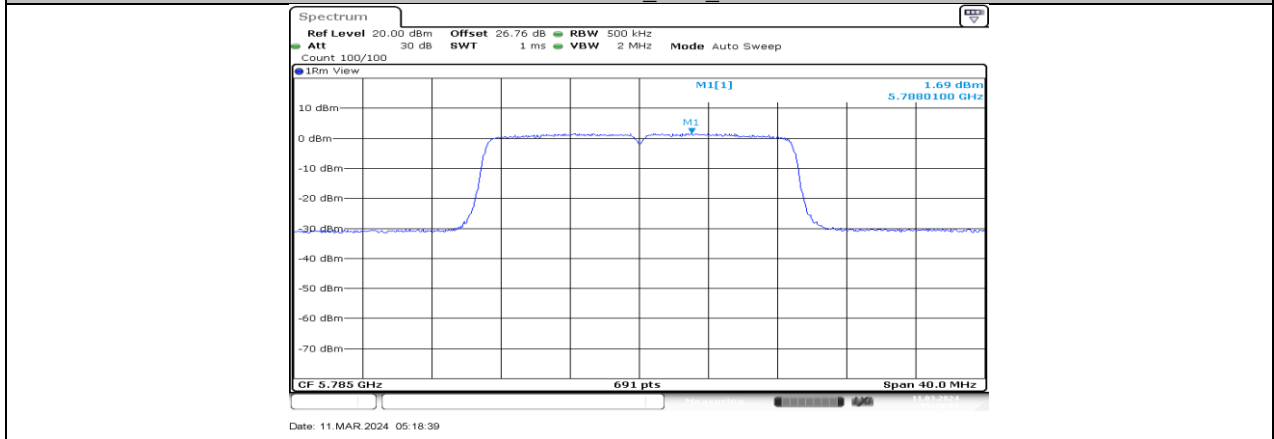




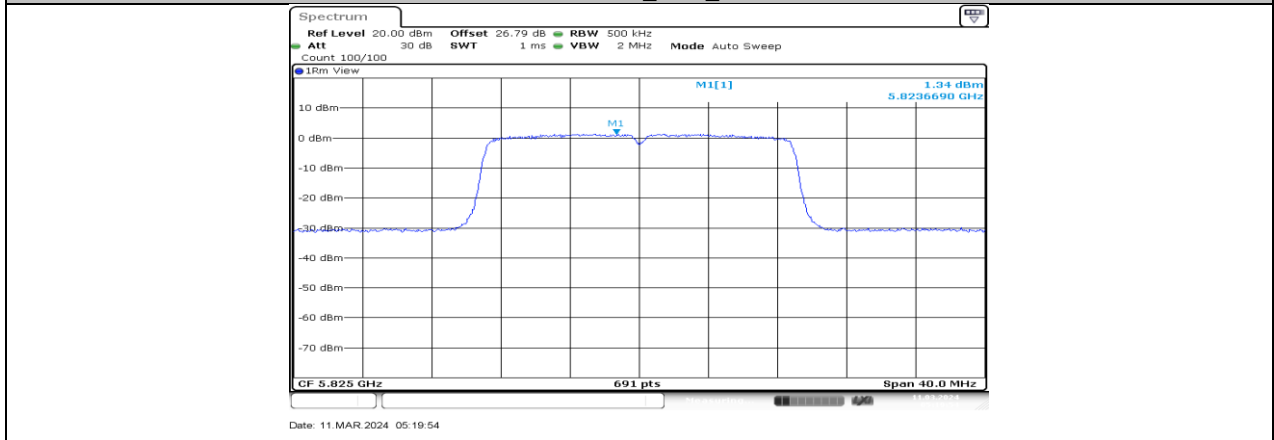
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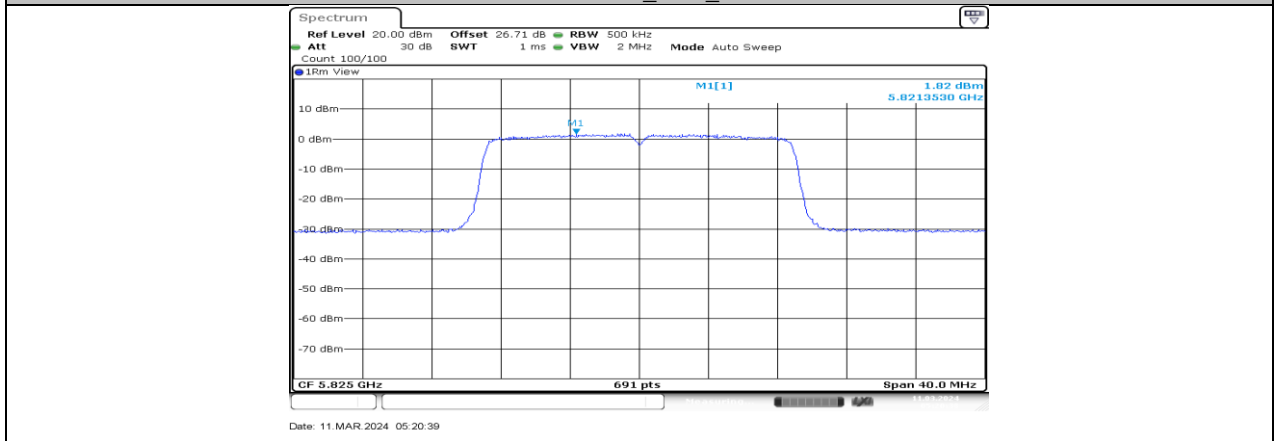
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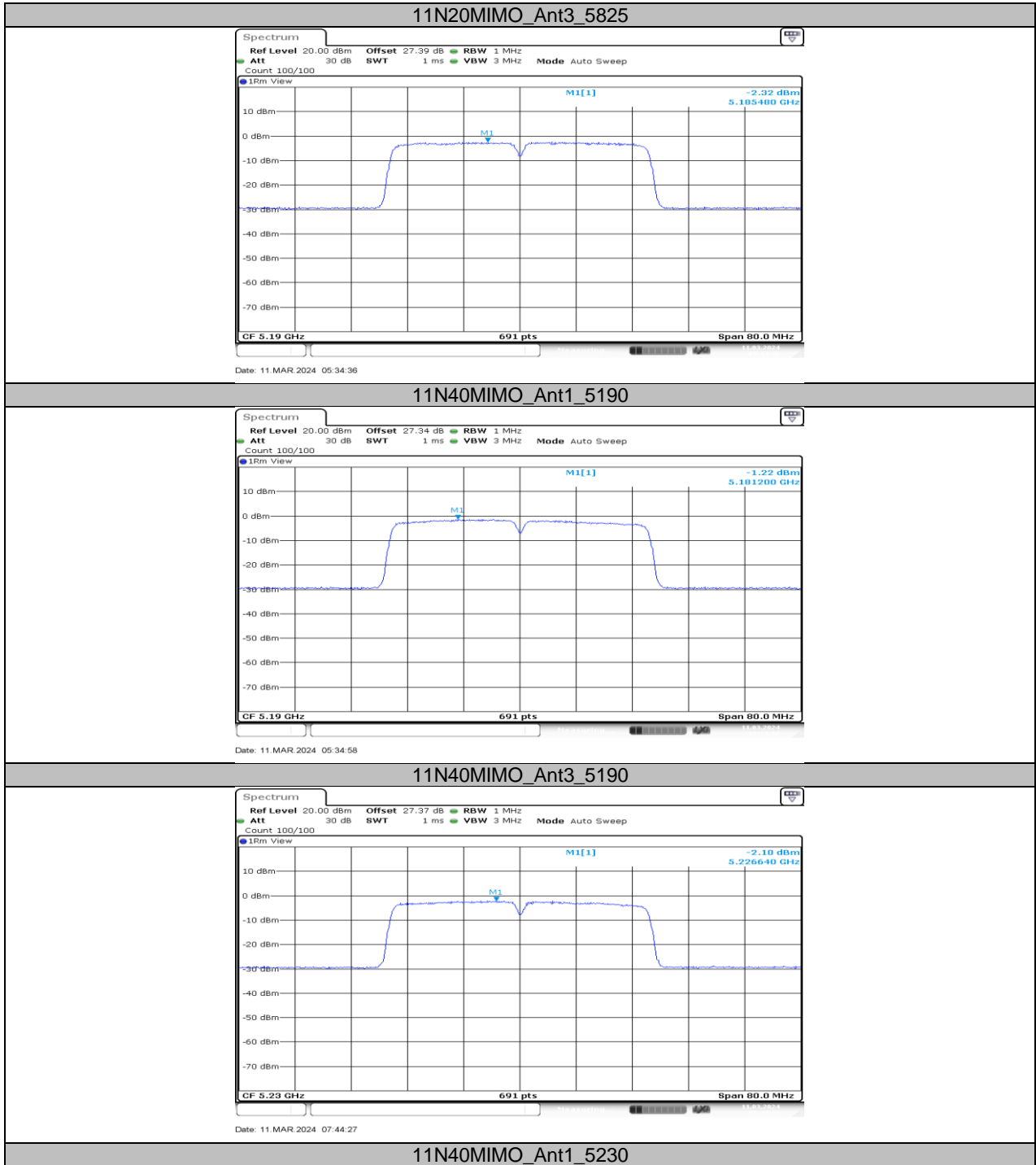


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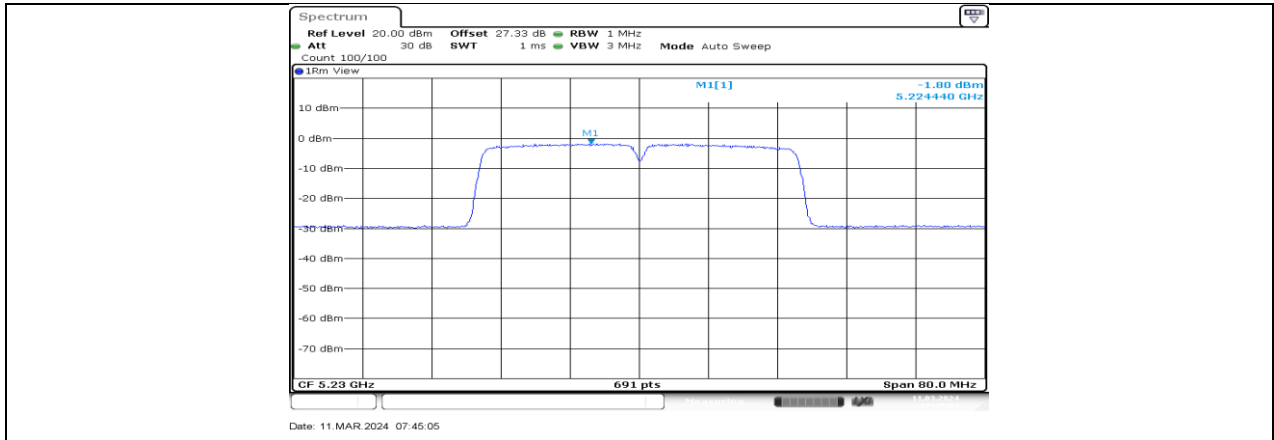


11N20MIMO\_Ant1\_5825

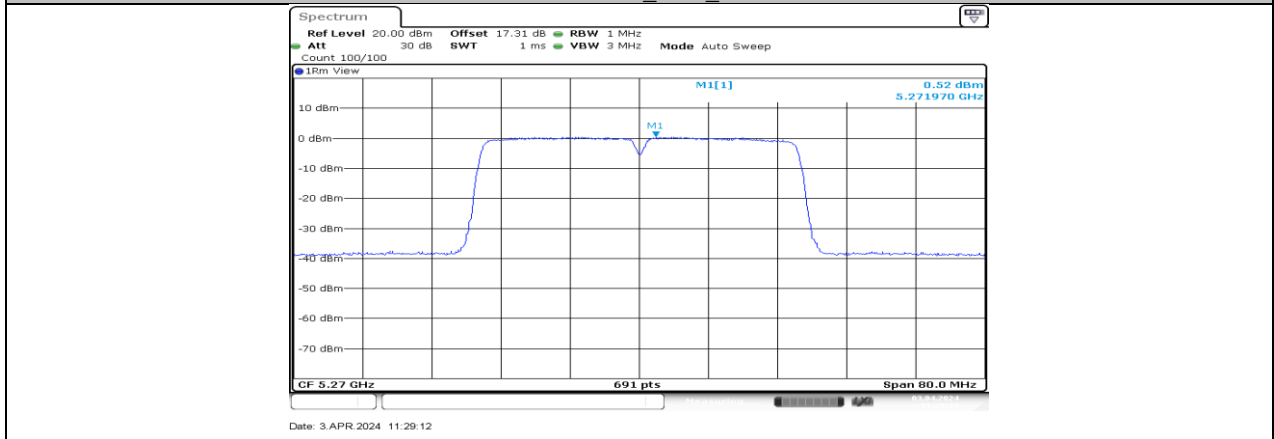




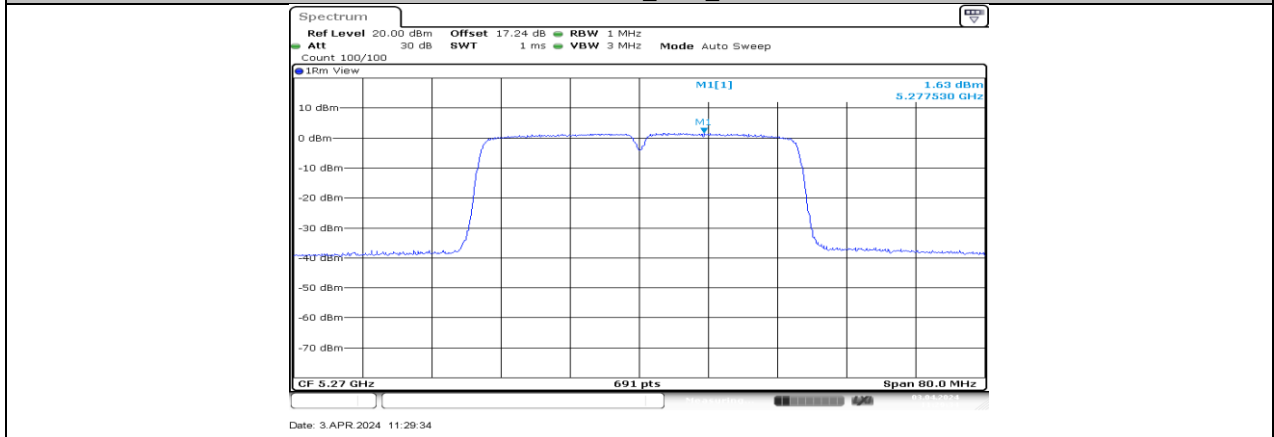




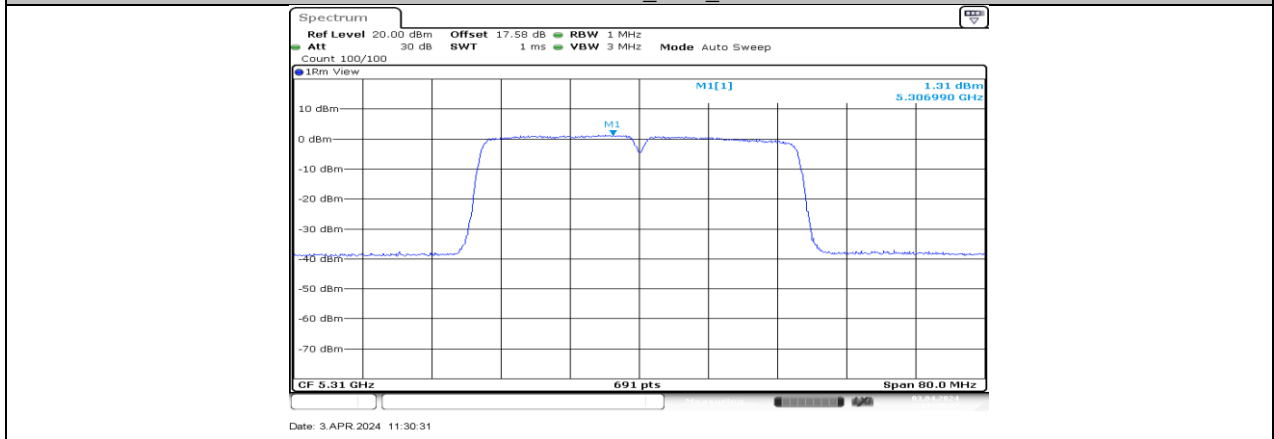
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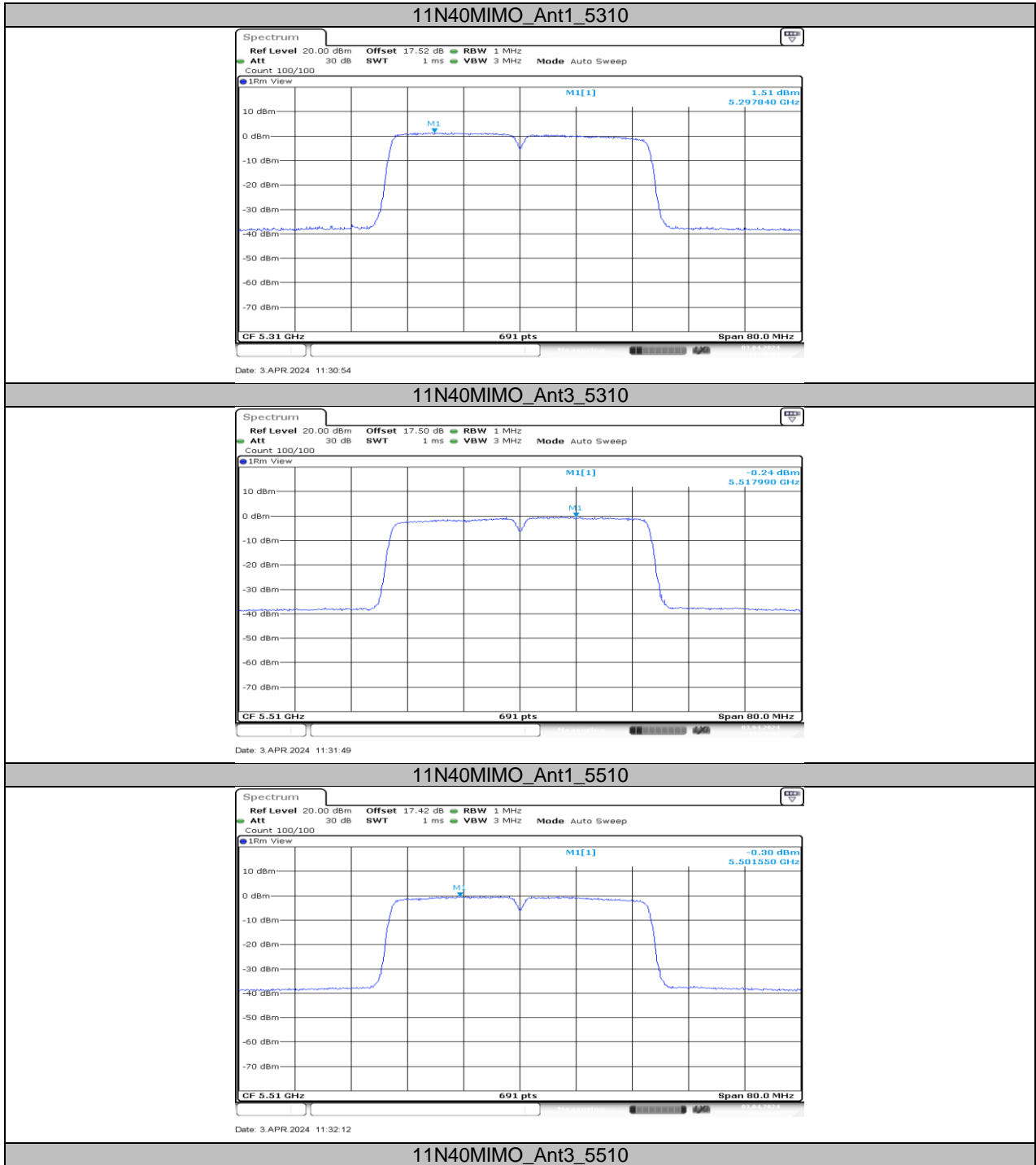


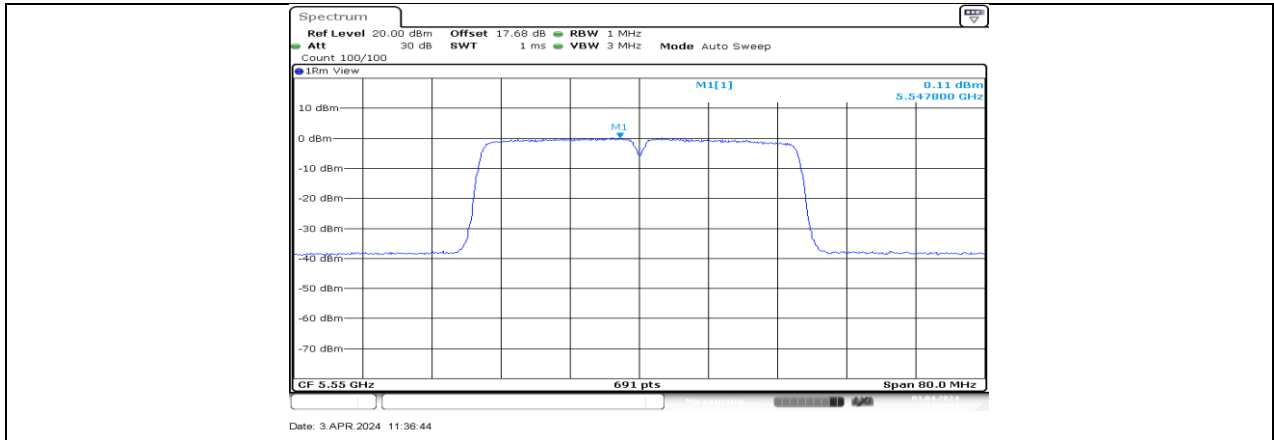
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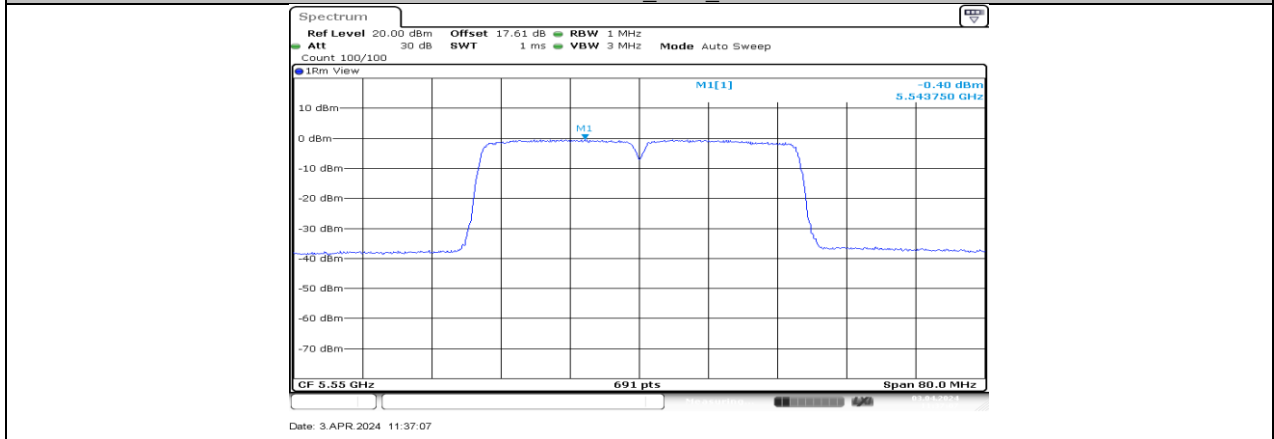
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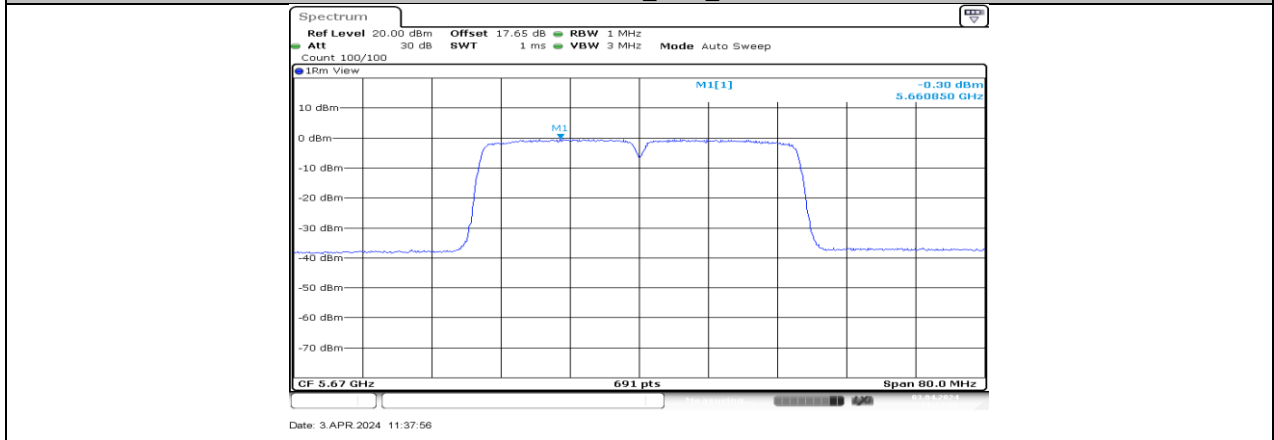




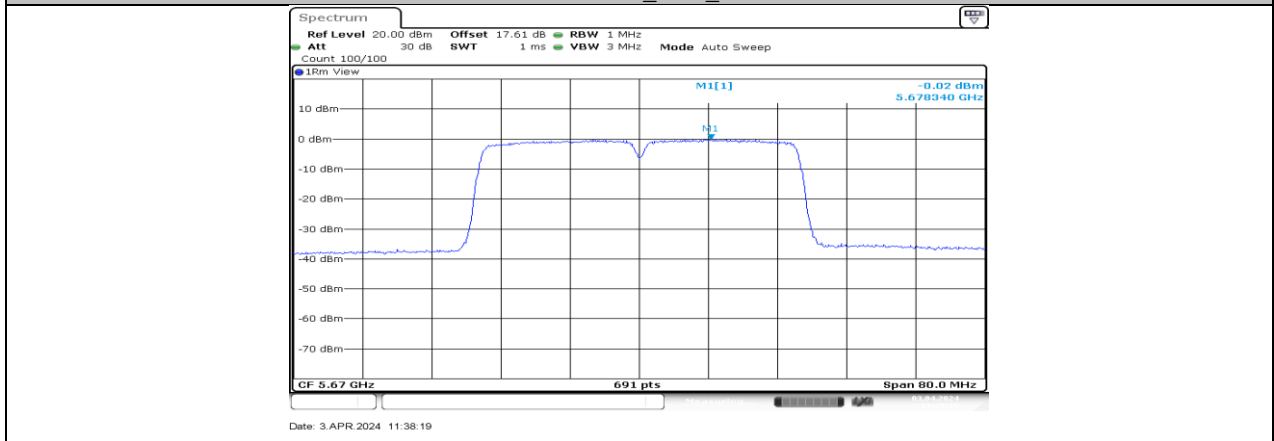
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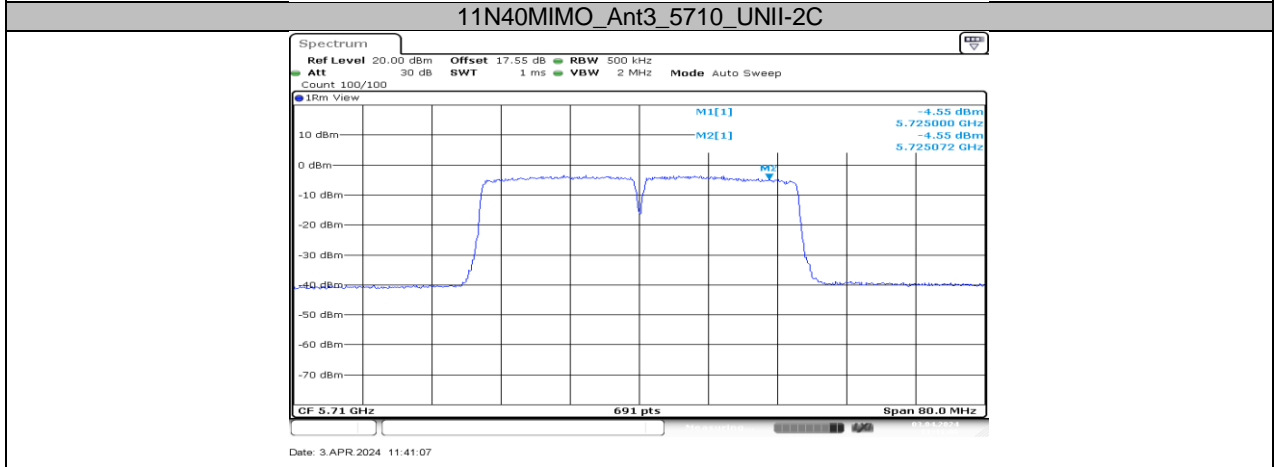
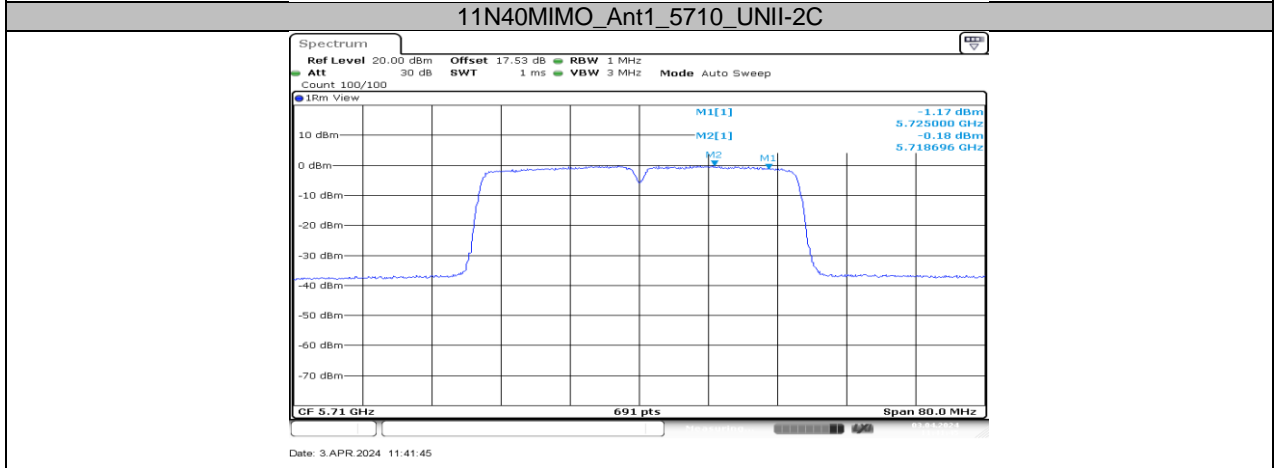
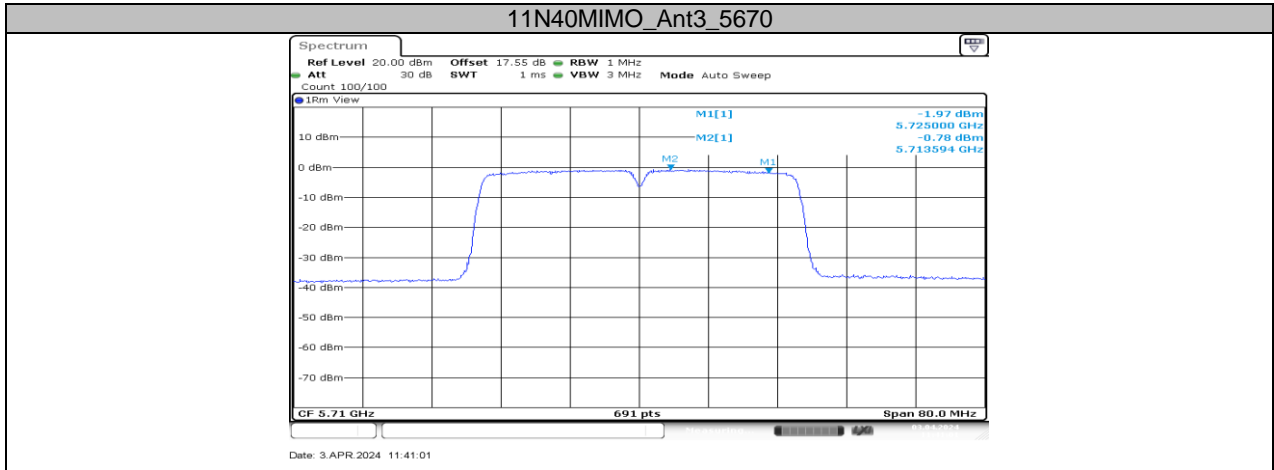


11N40MIMO\_Ant3\_5550

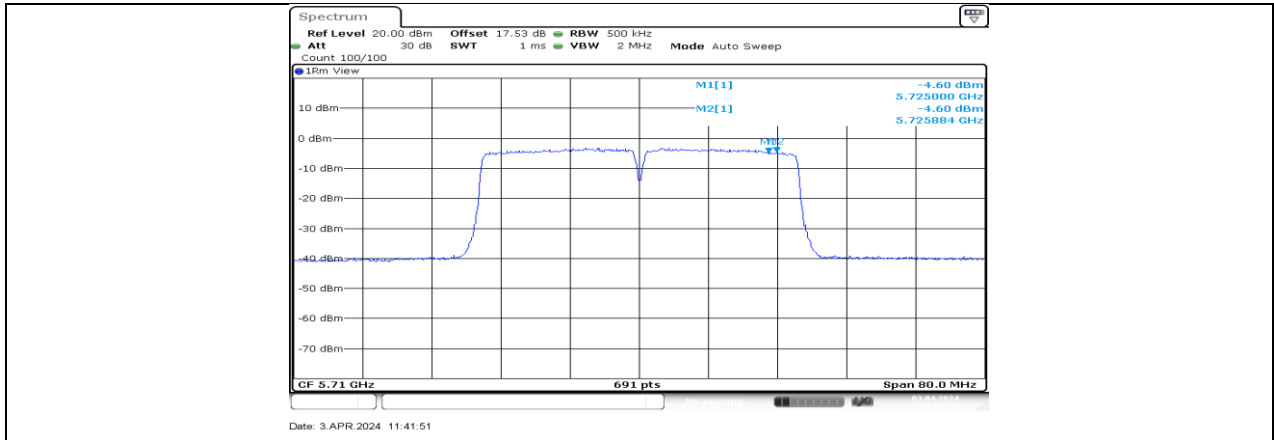


11N40MIMO\_Ant1\_5670

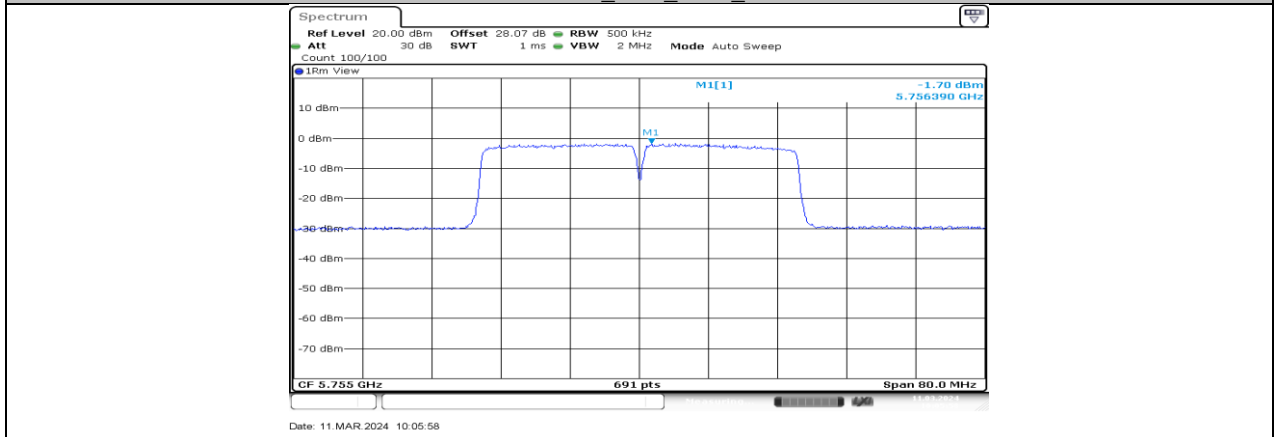




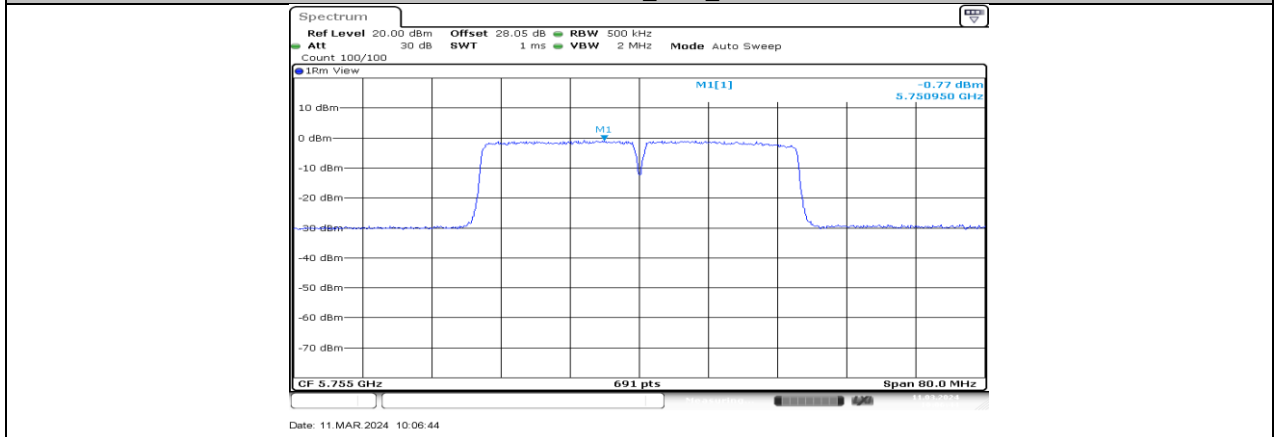
11N40MIMO\_Ant1\_5710\_UNII-3



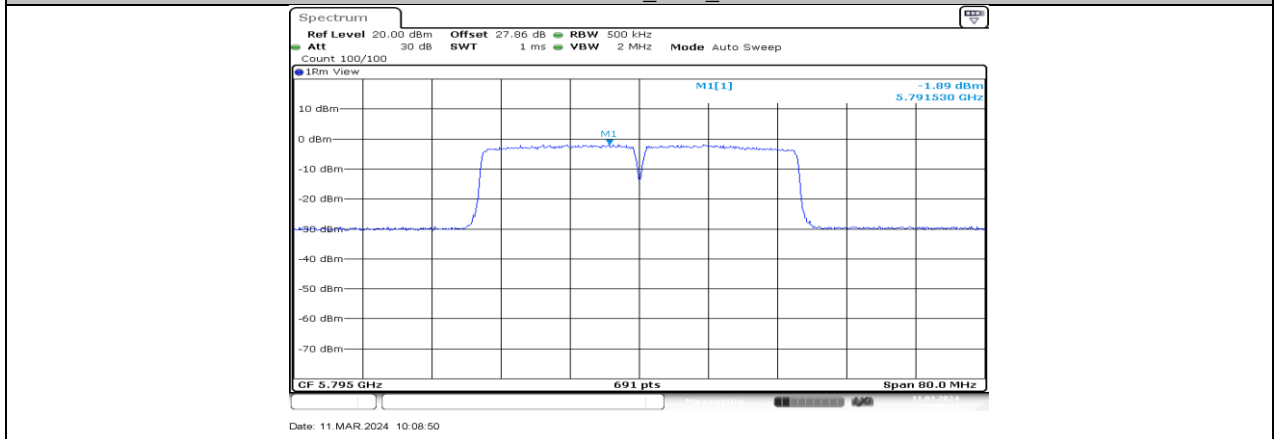
11N40MIMO\_Ant3\_5710\_UNII-3

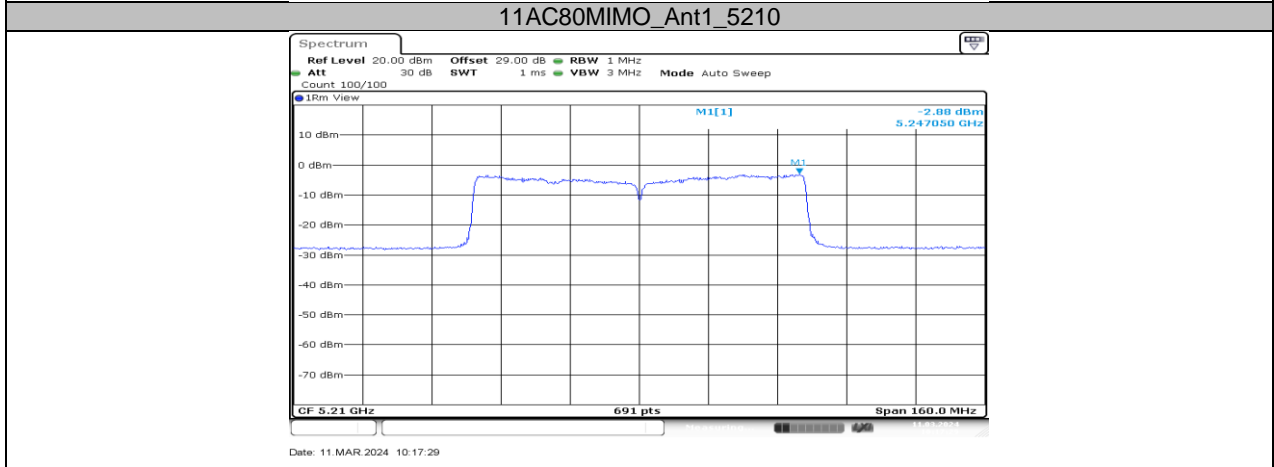
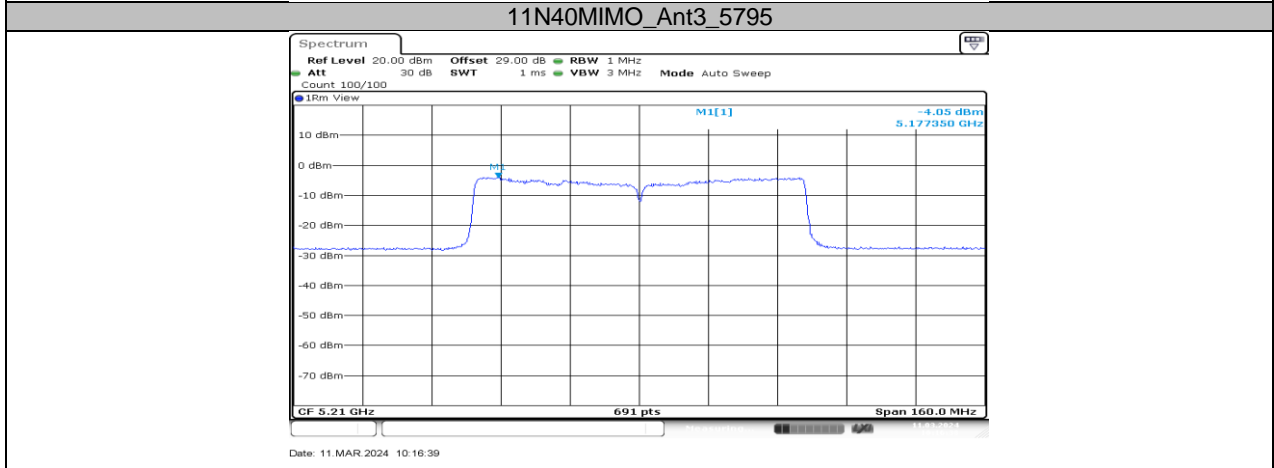
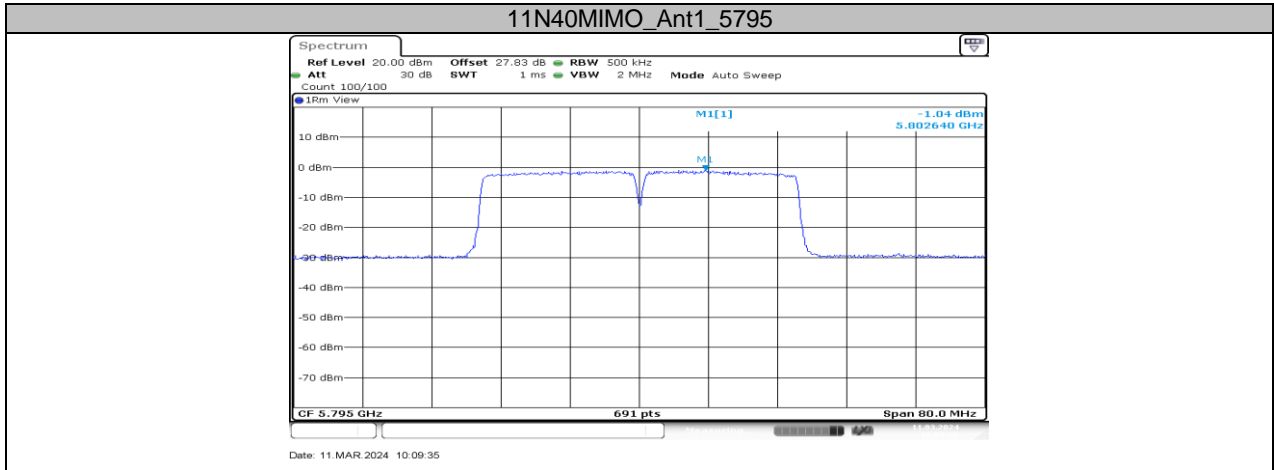


11N40MIMO\_Ant1\_5755

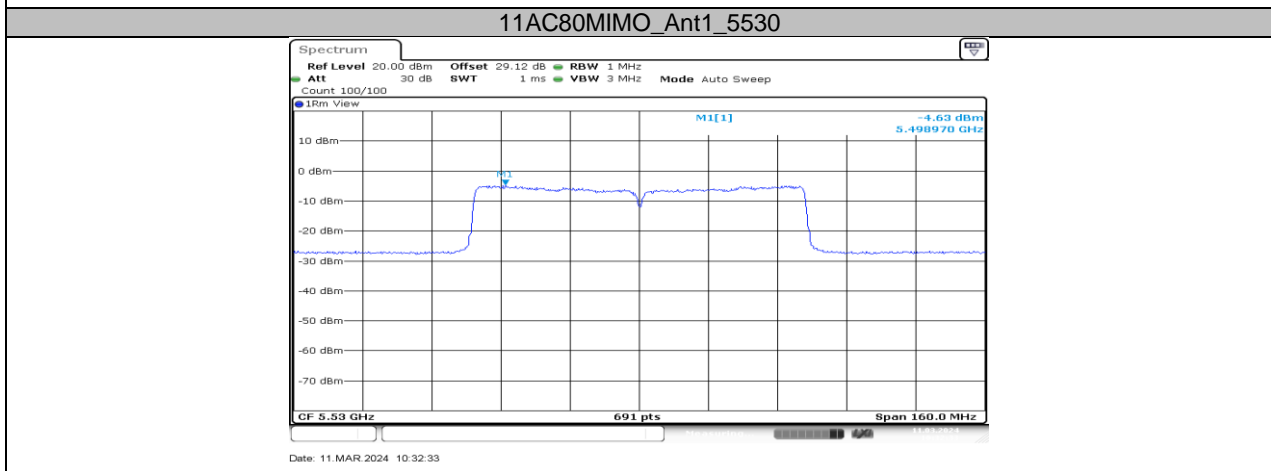
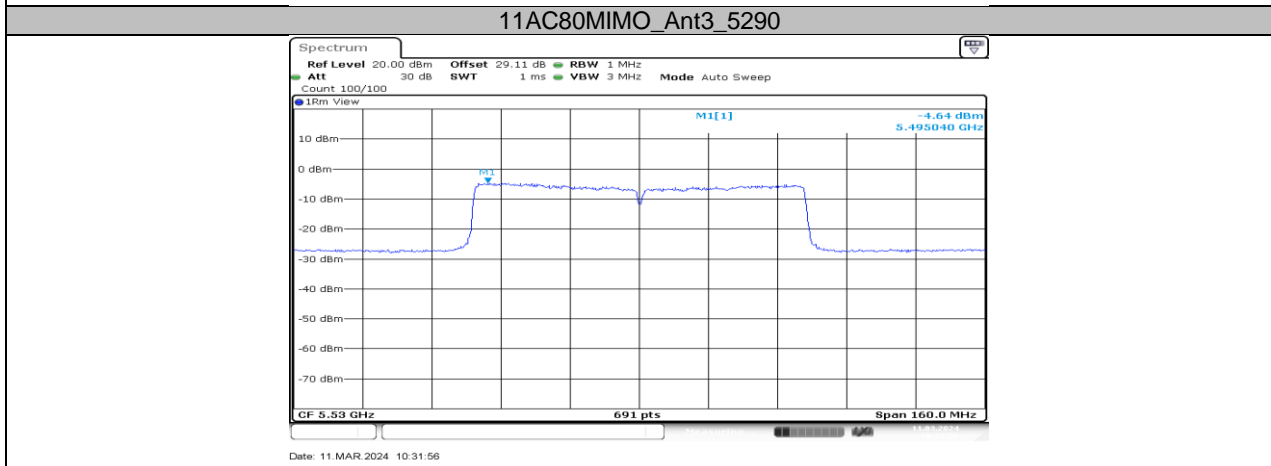
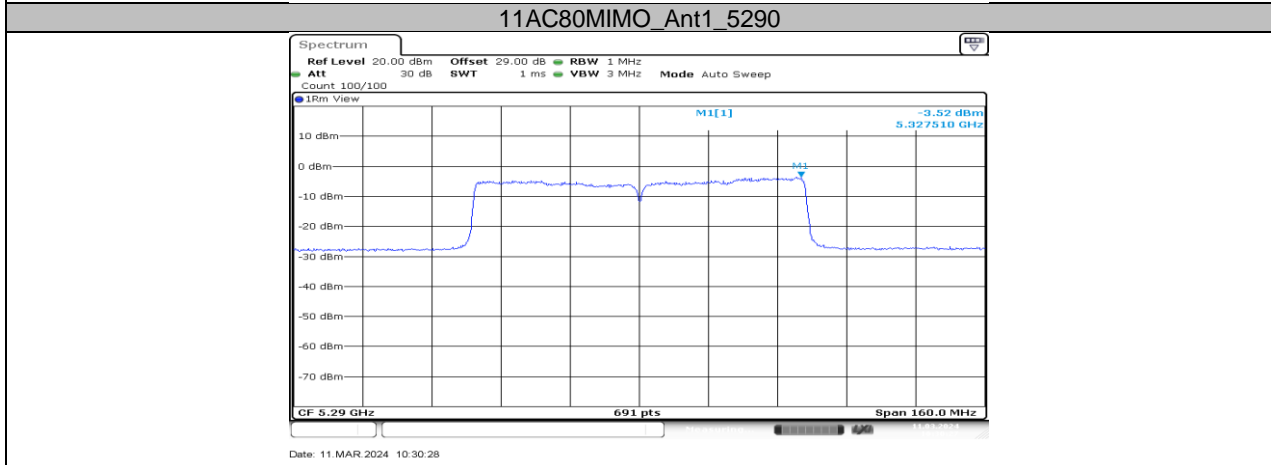
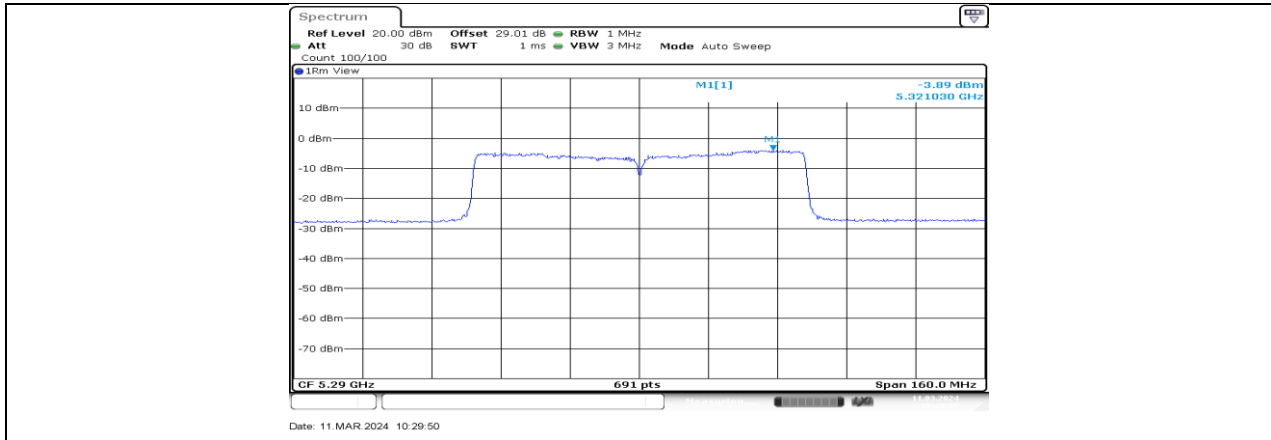


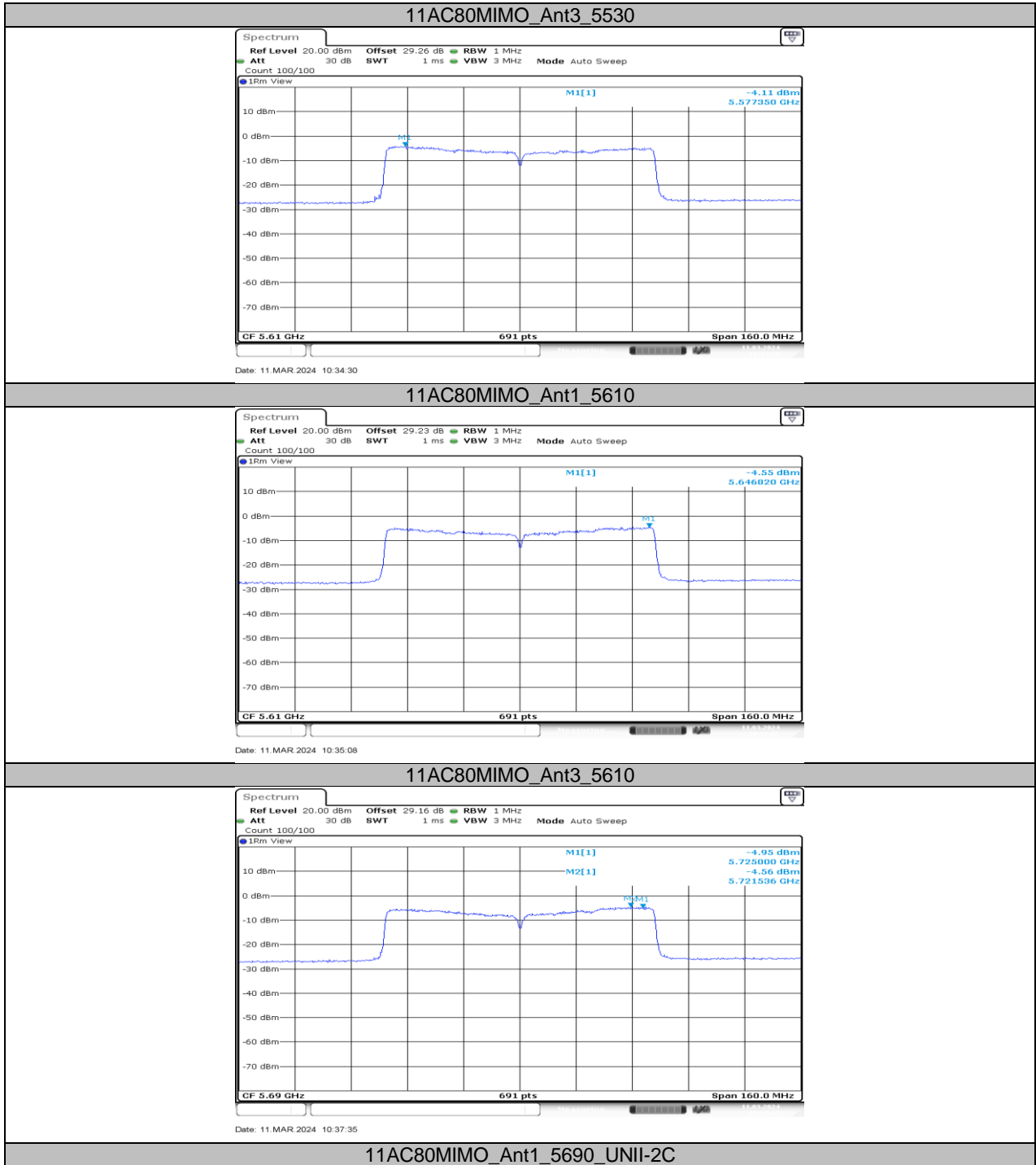
11N40MIMO\_Ant3\_5755



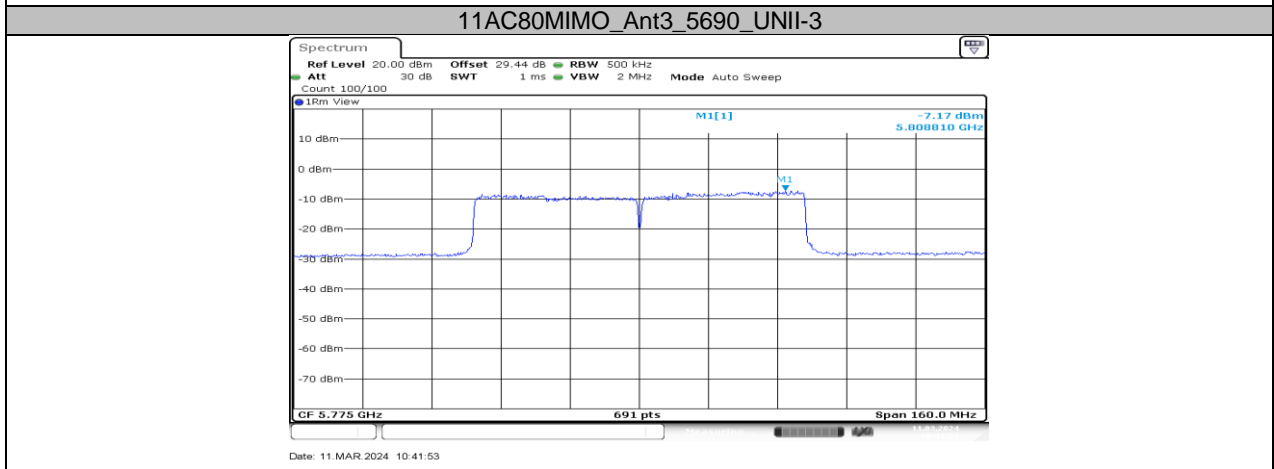
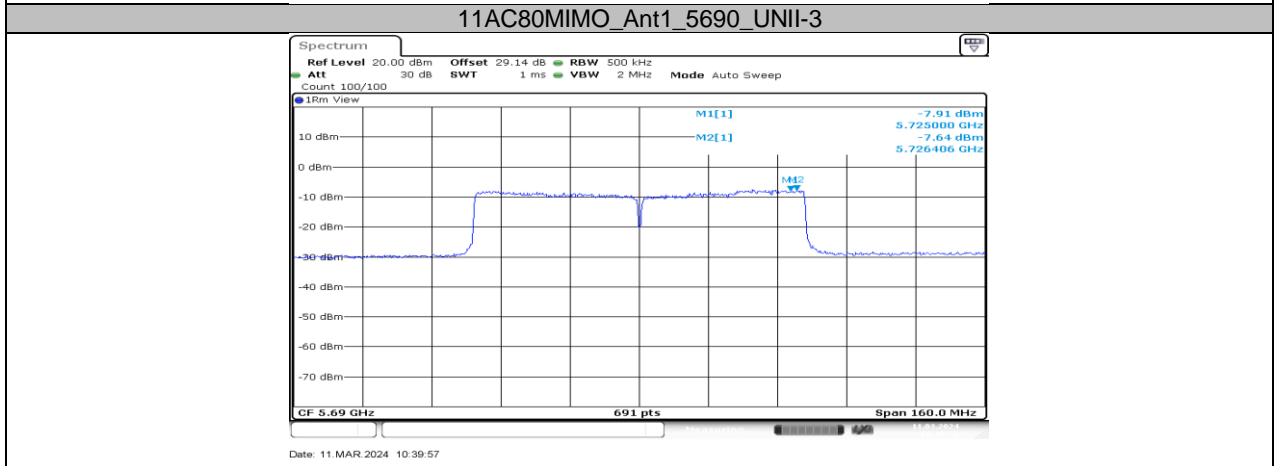
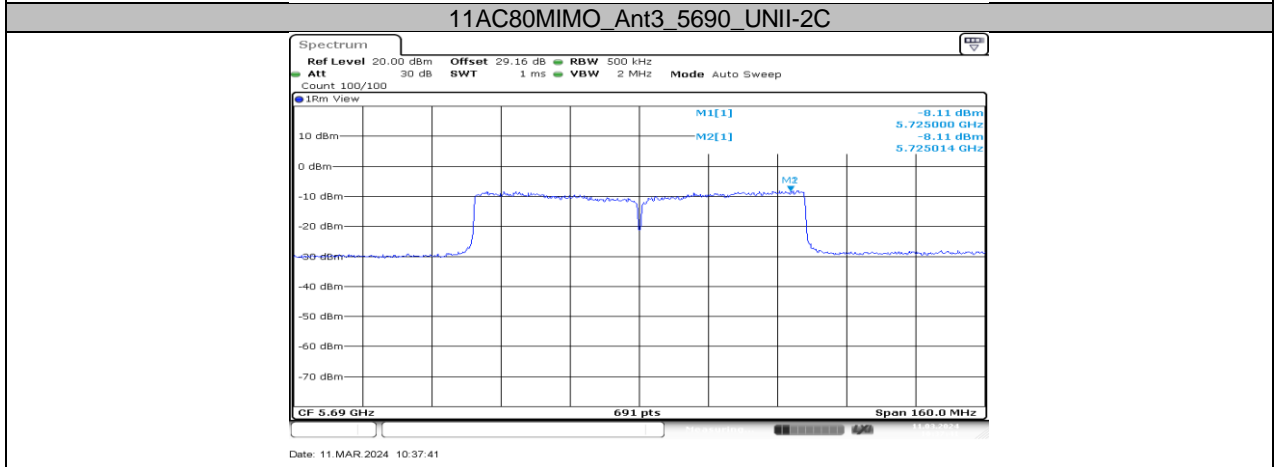
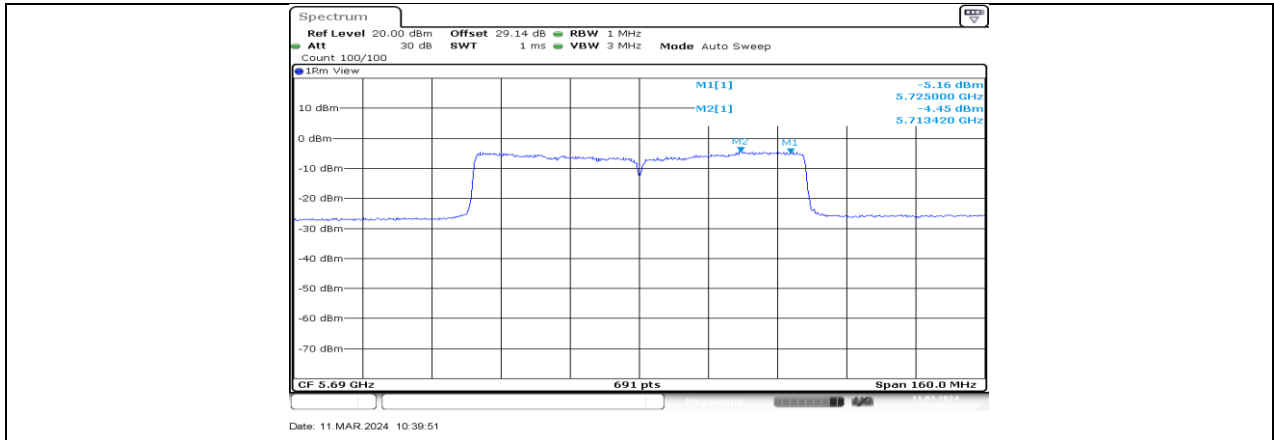


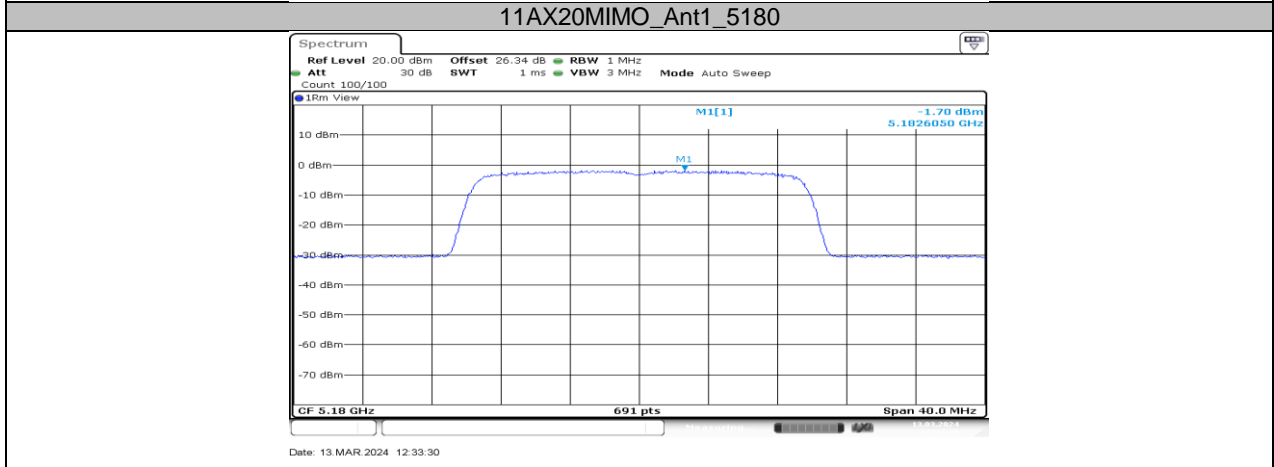
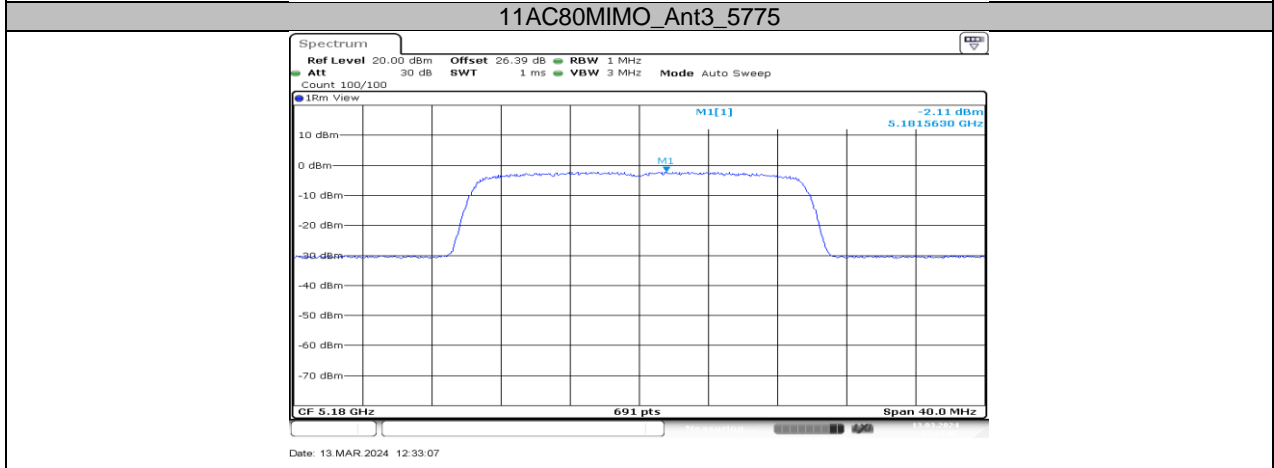
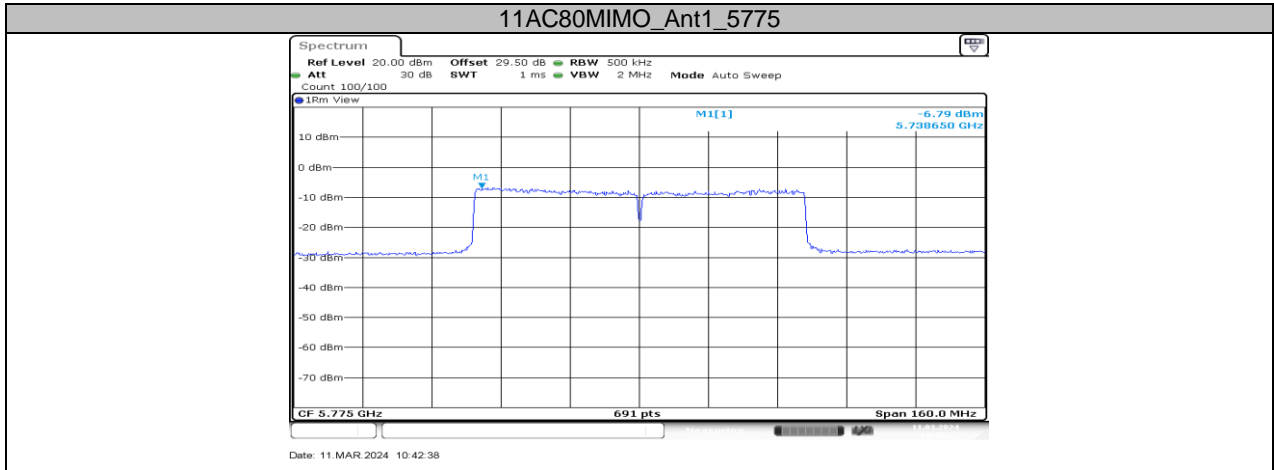
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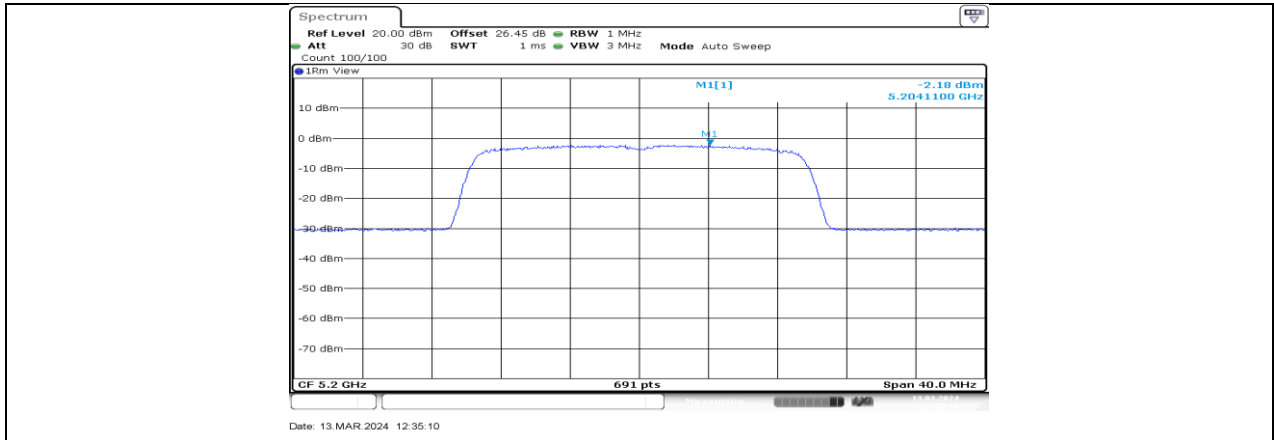




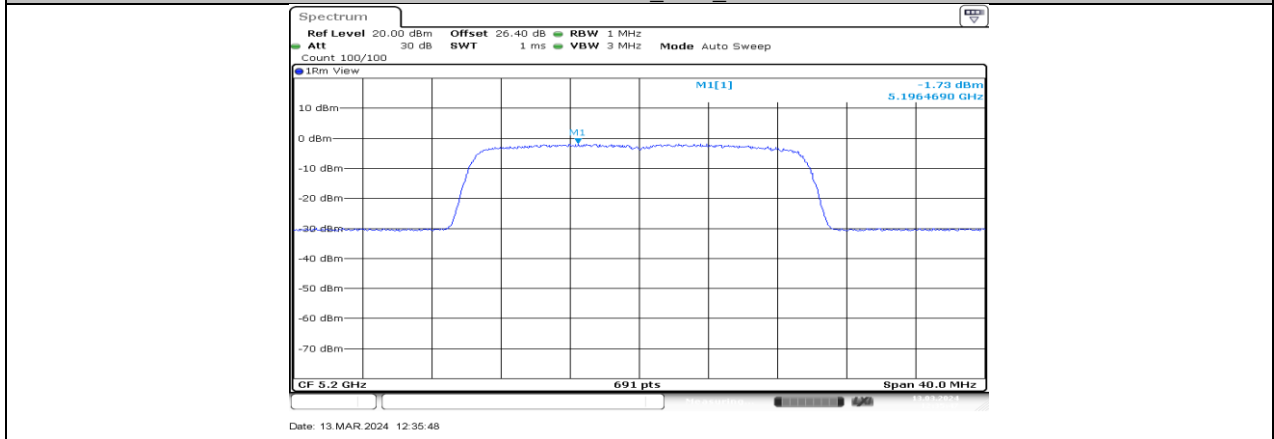




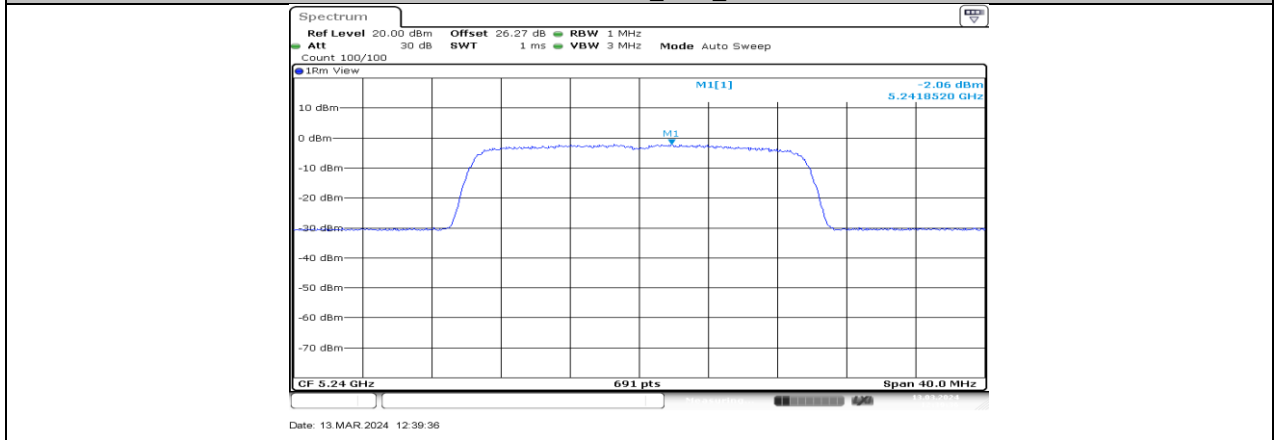
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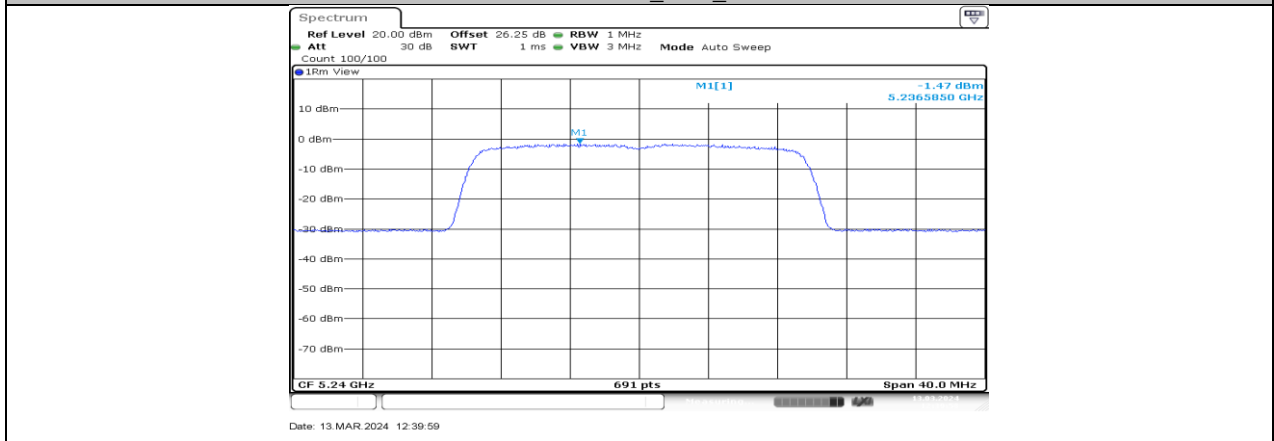
11AX20MIMO\_Ant1\_5200

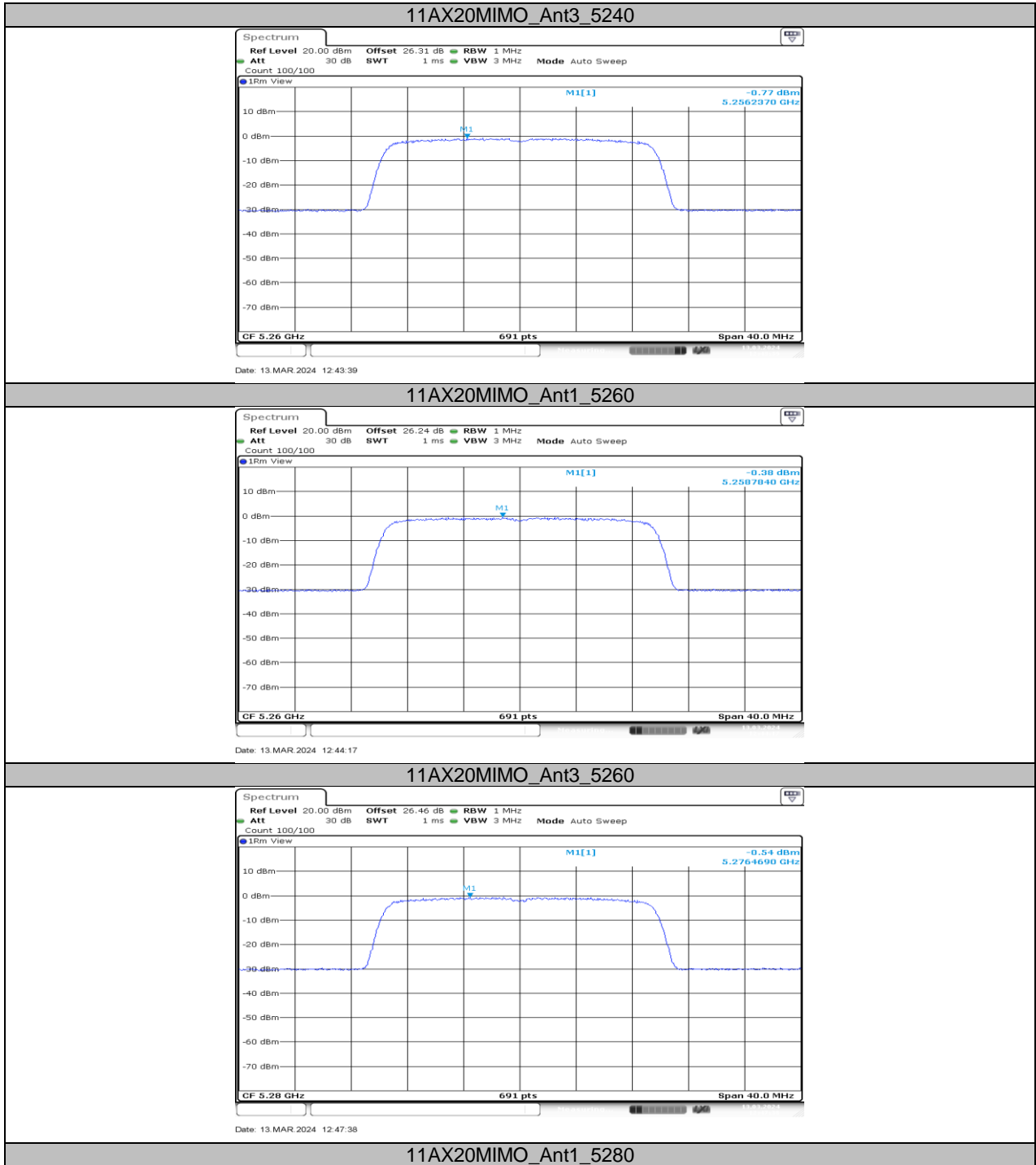


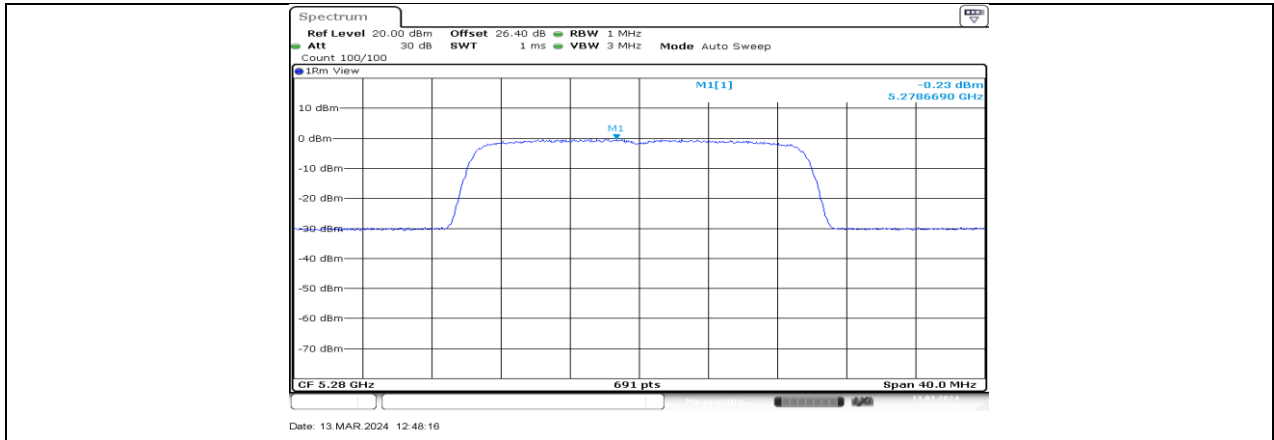
11AX20MIMO\_Ant3\_5200



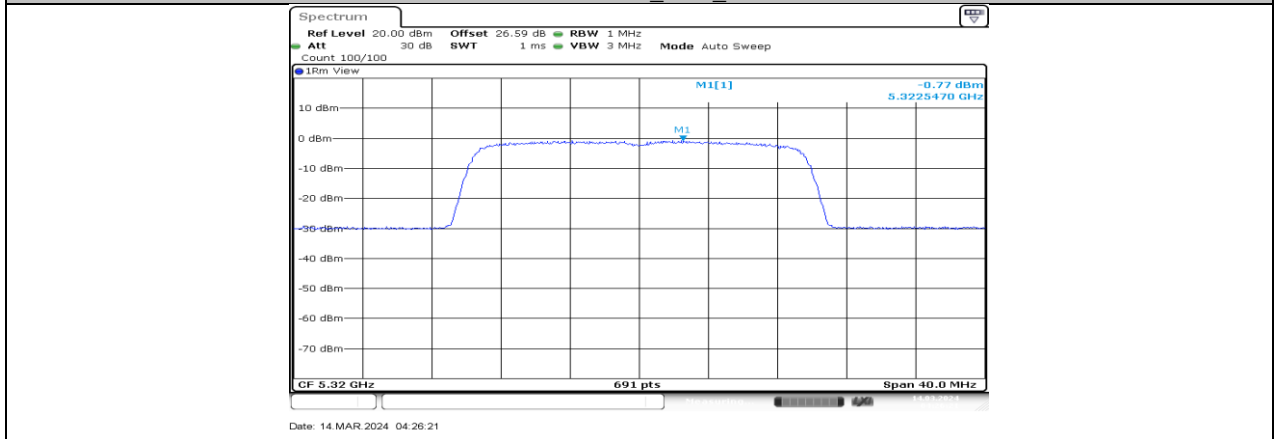
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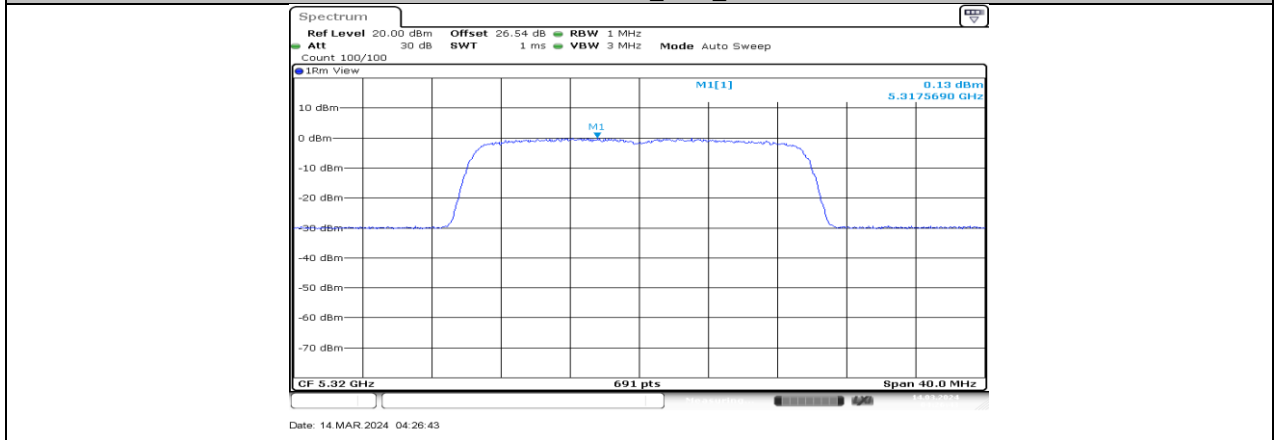




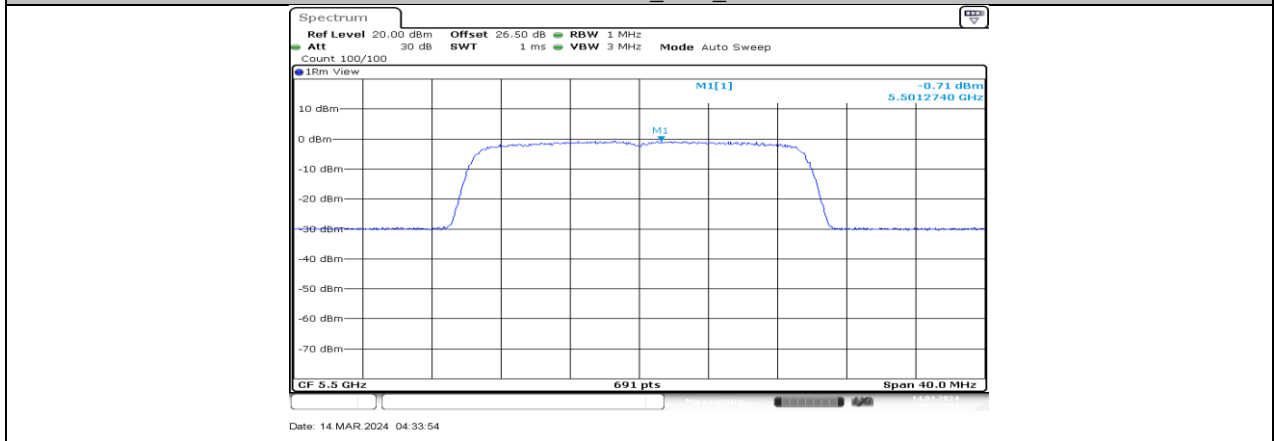
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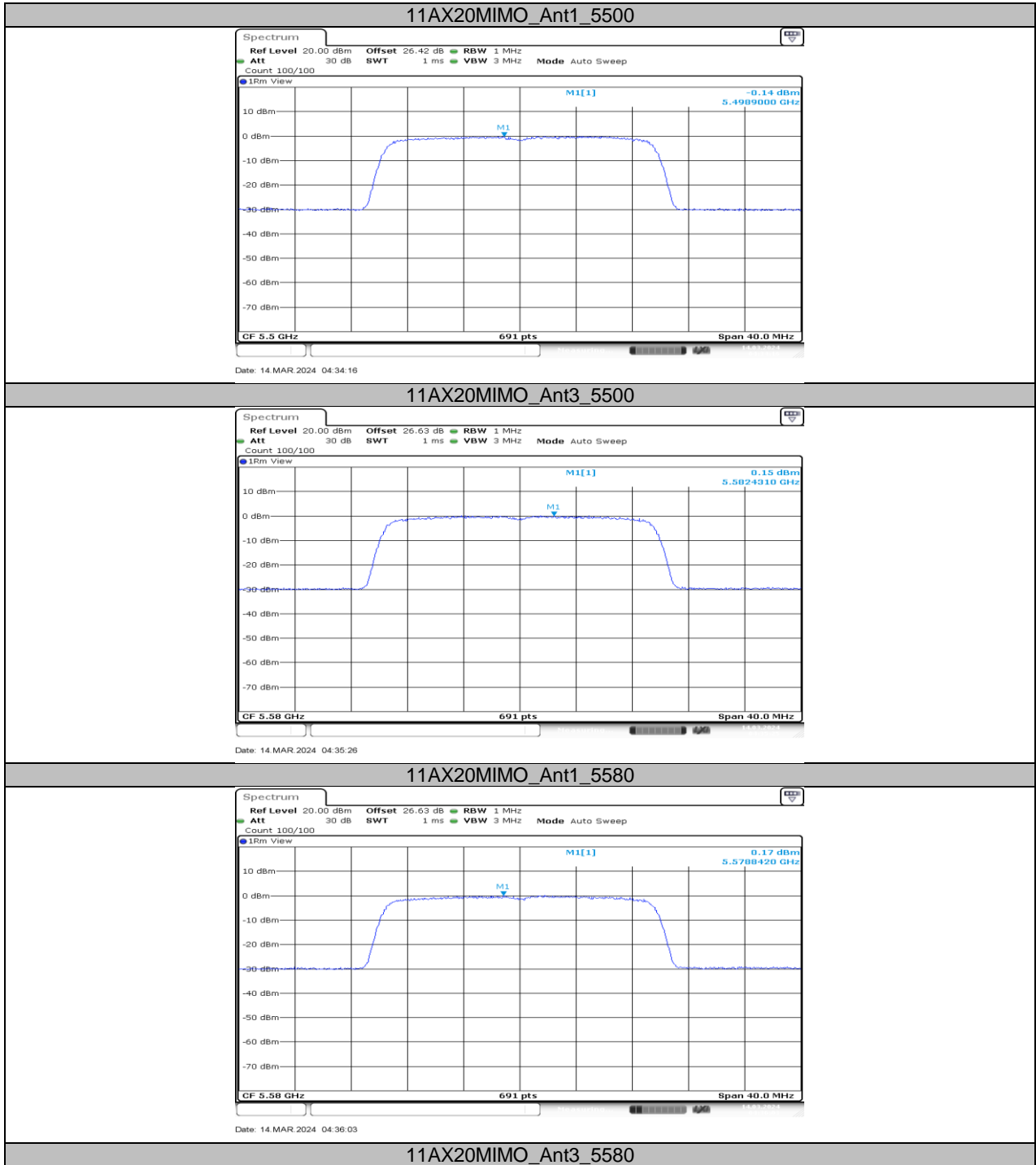


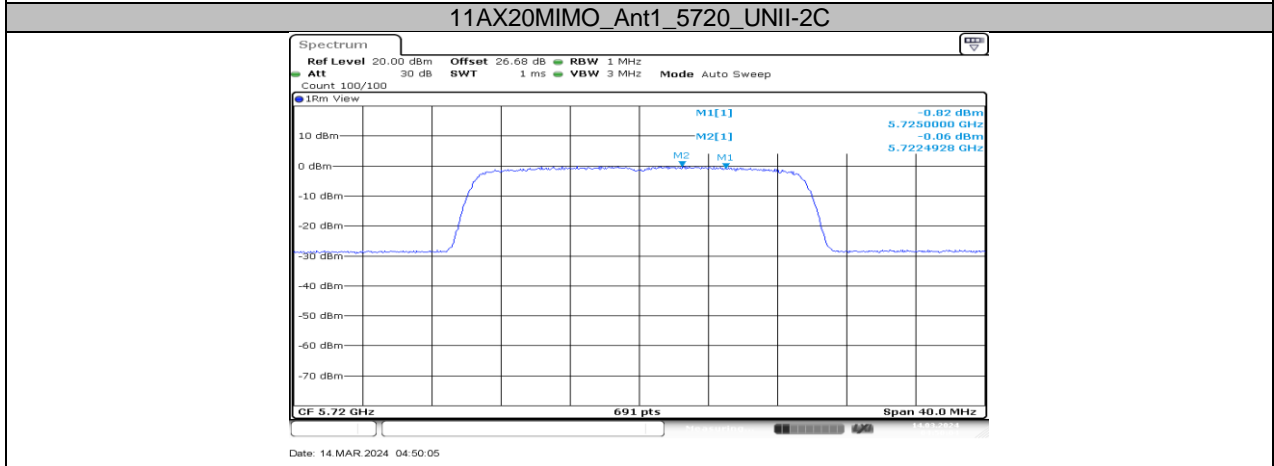
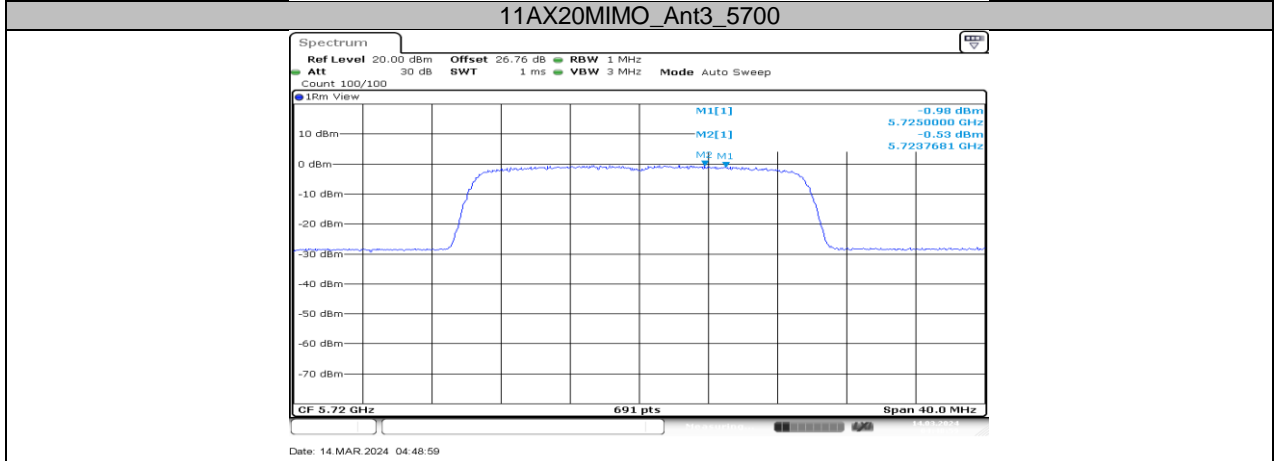
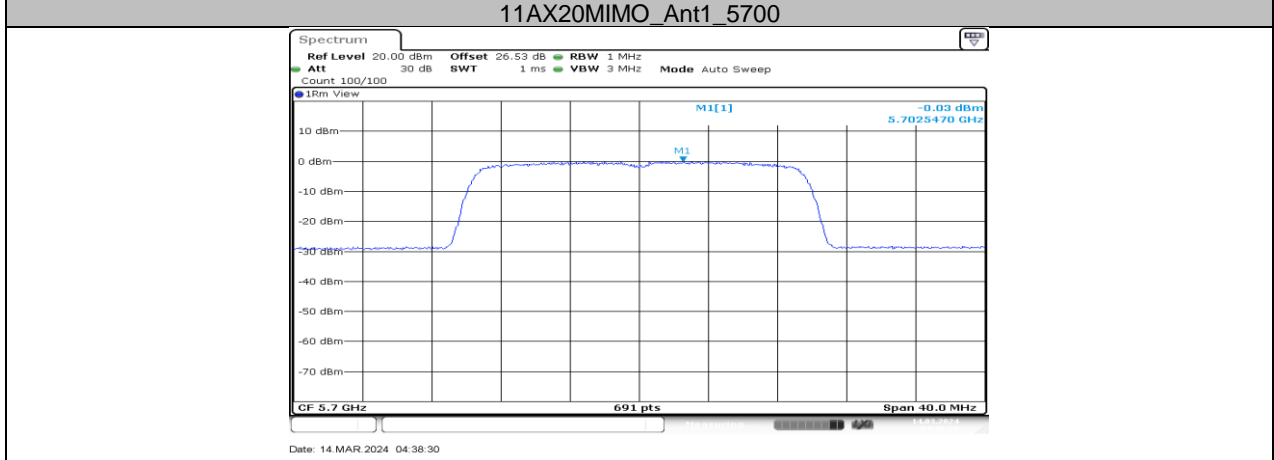
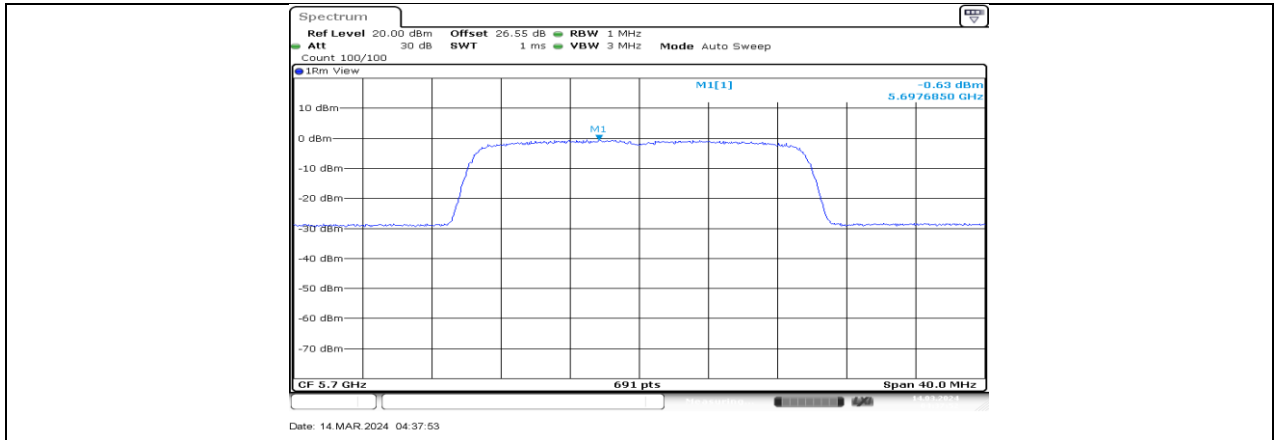
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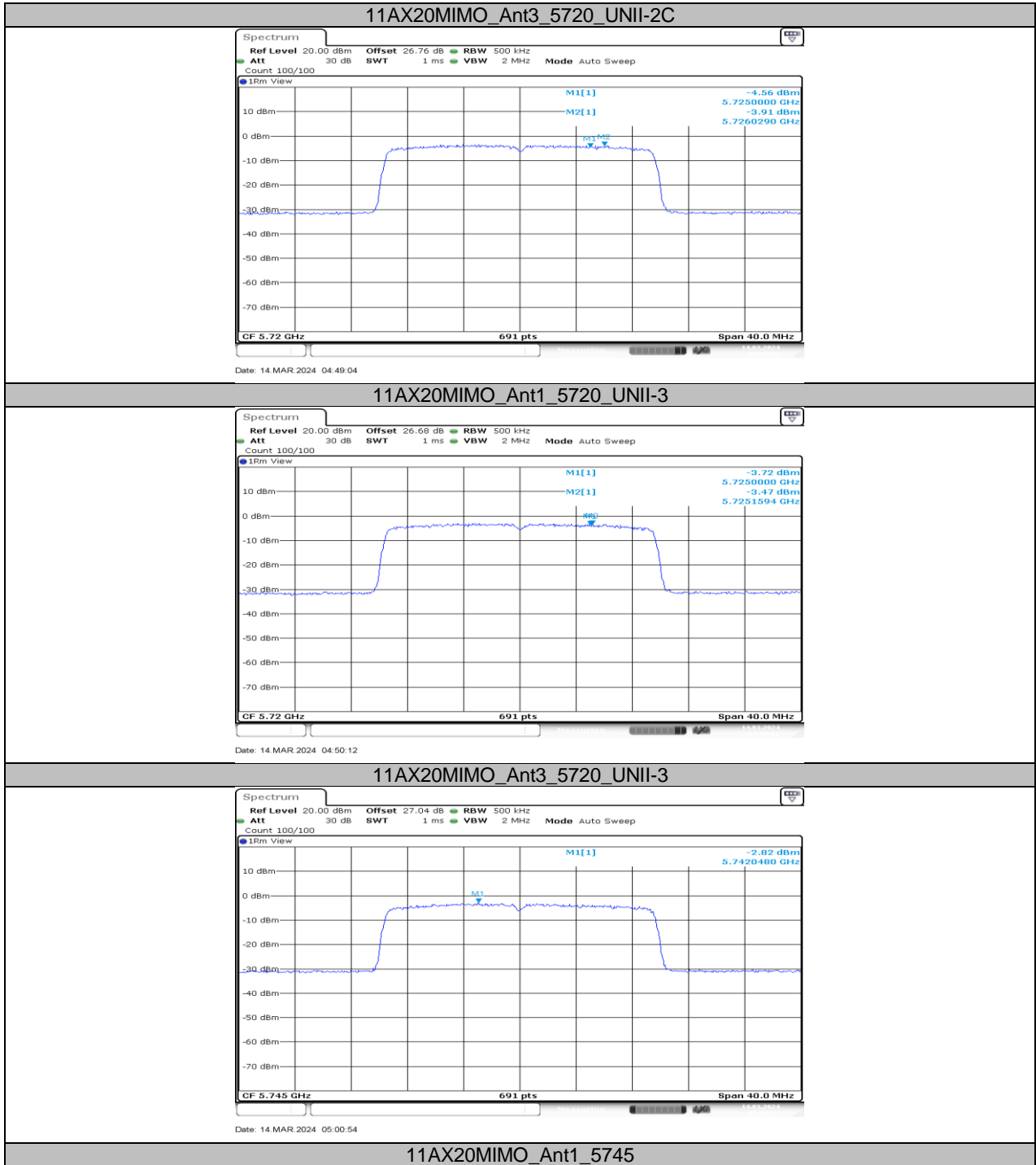


11AX20MIMO\_Ant3\_5320



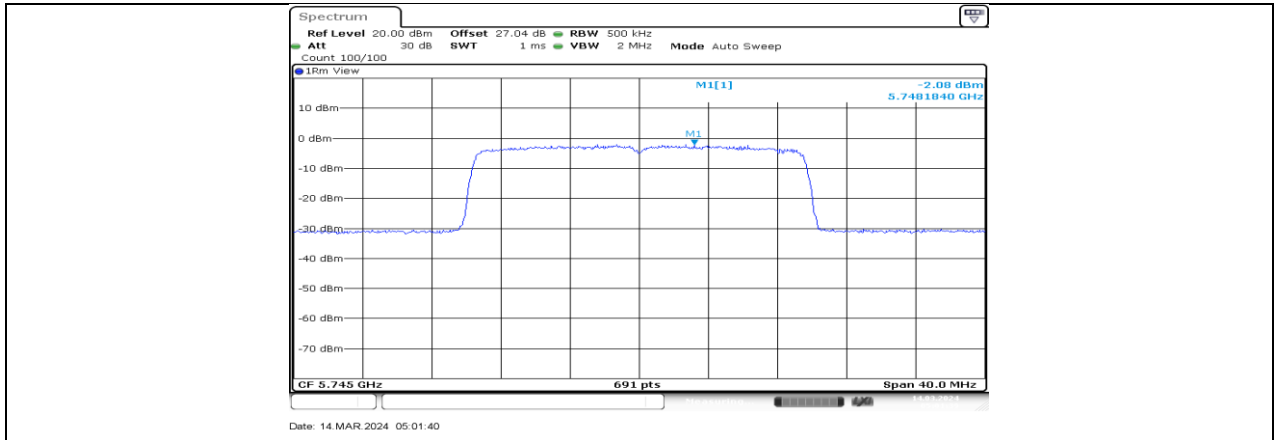




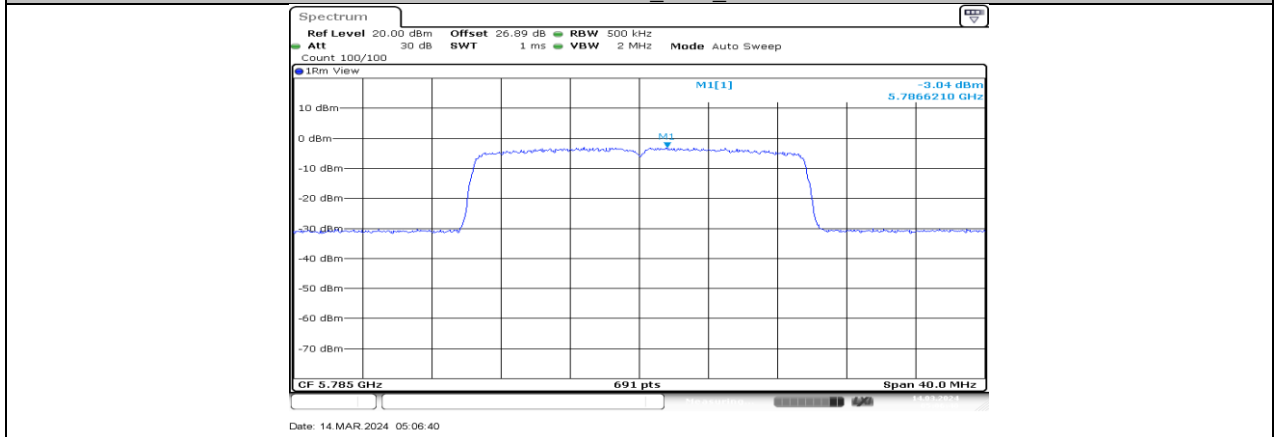


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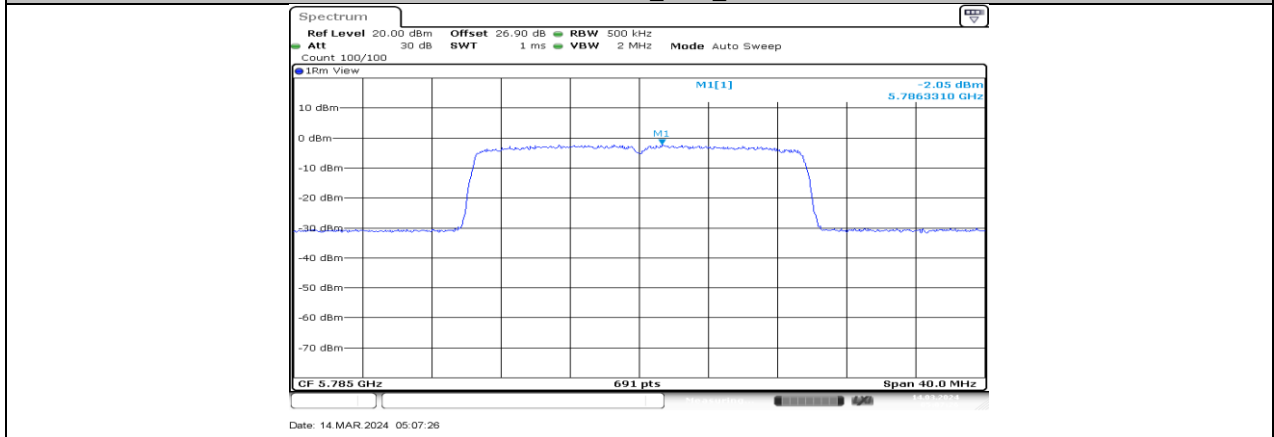




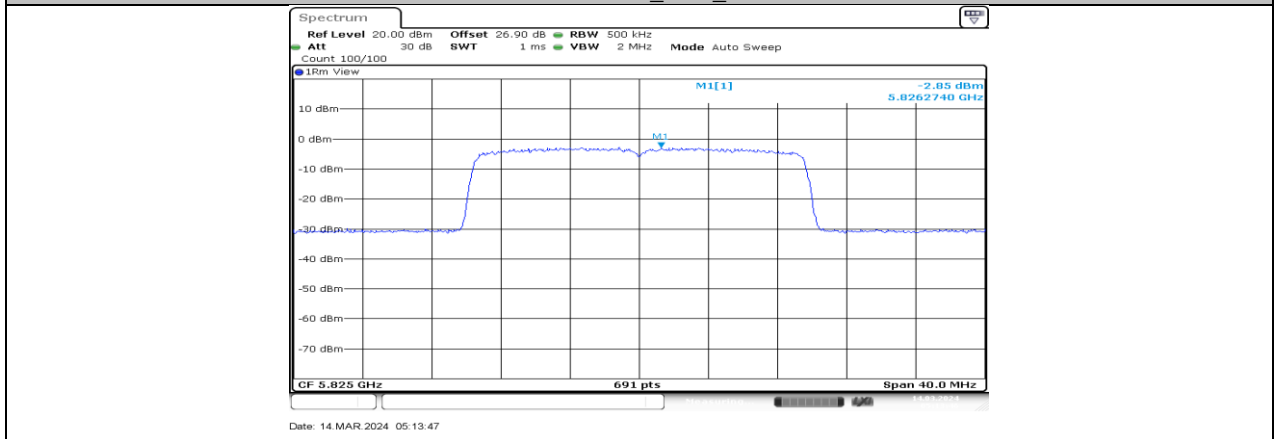
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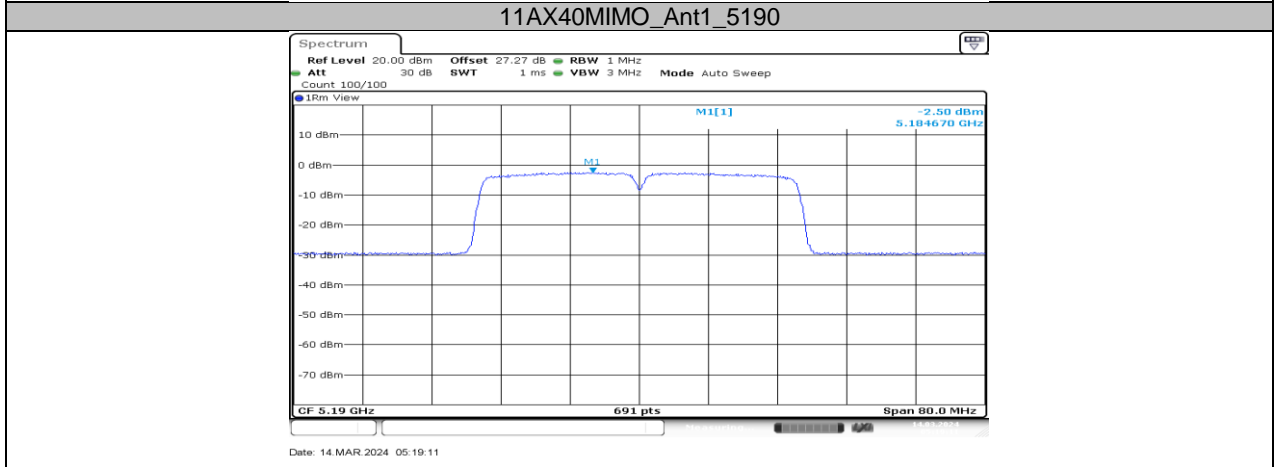
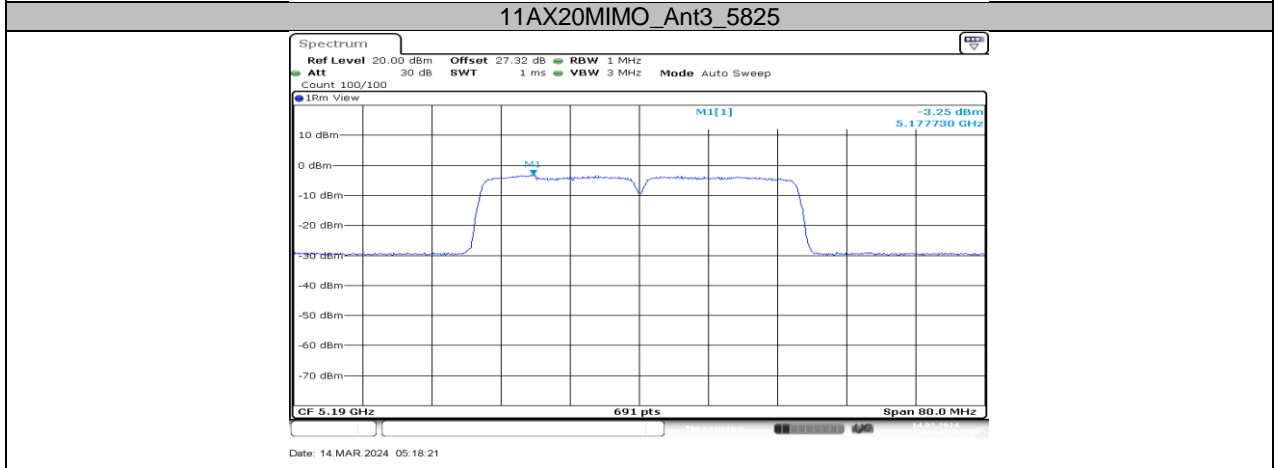
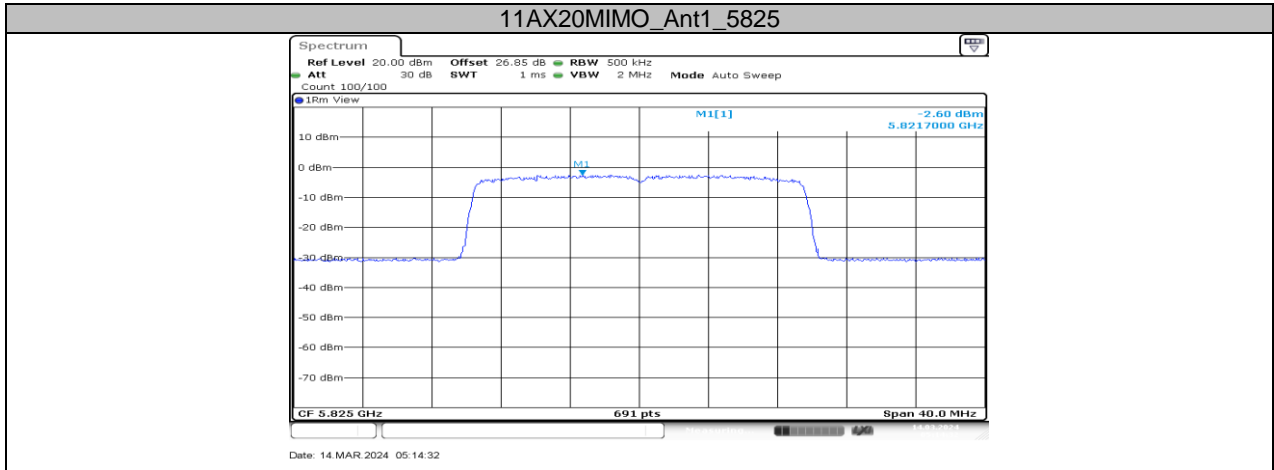


11AX20MIMO\_Ant1\_5785

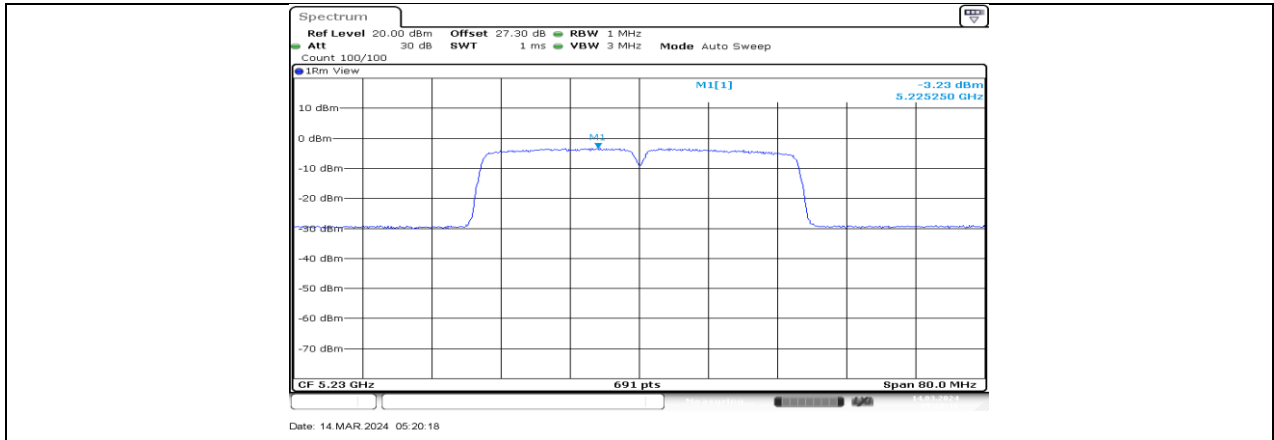


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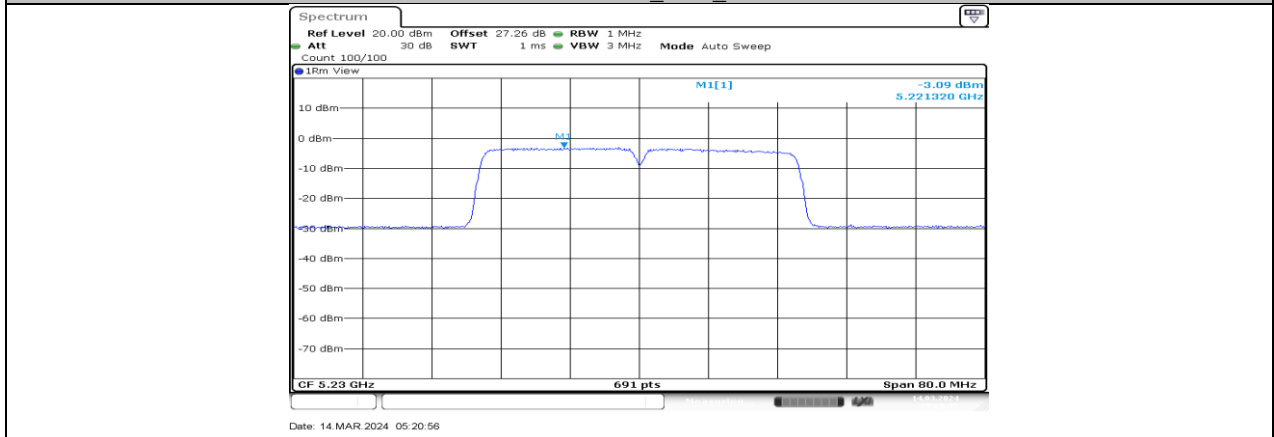




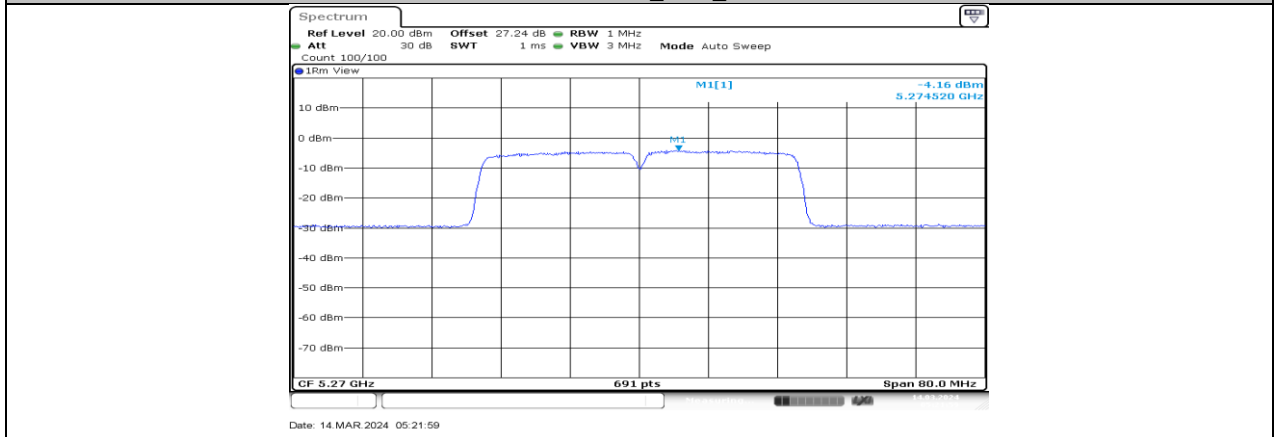
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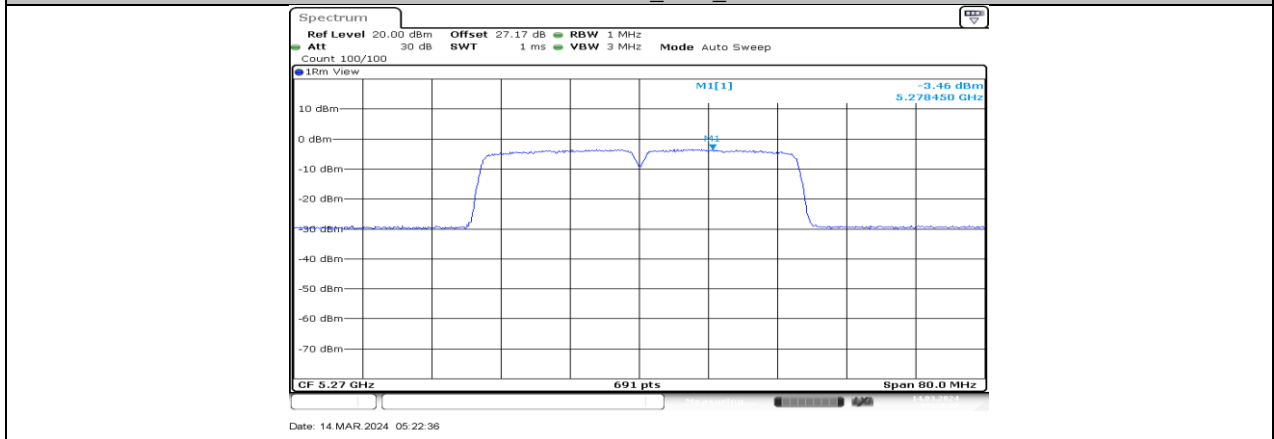
11AX40MIMO\_Ant1\_5230

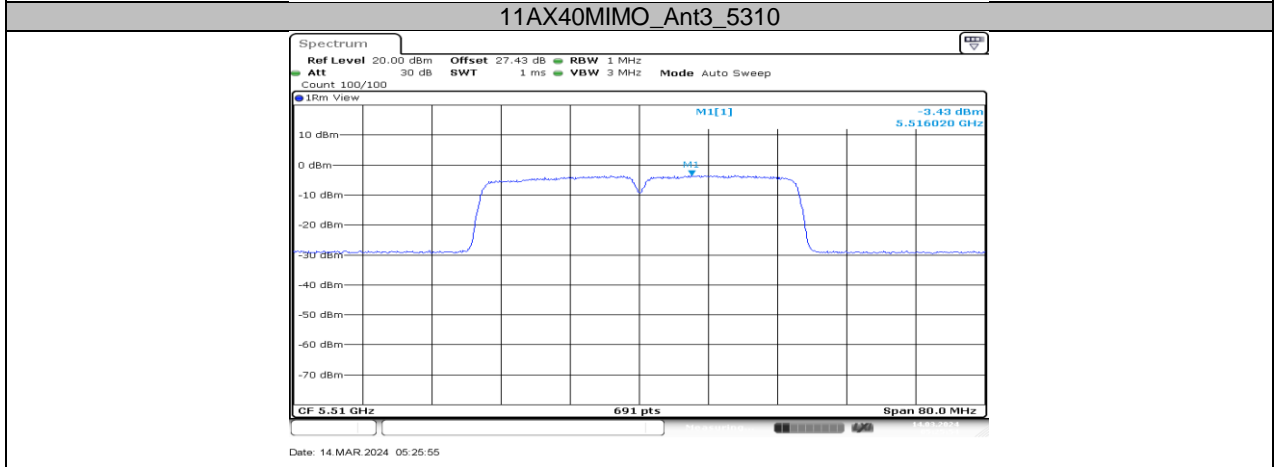
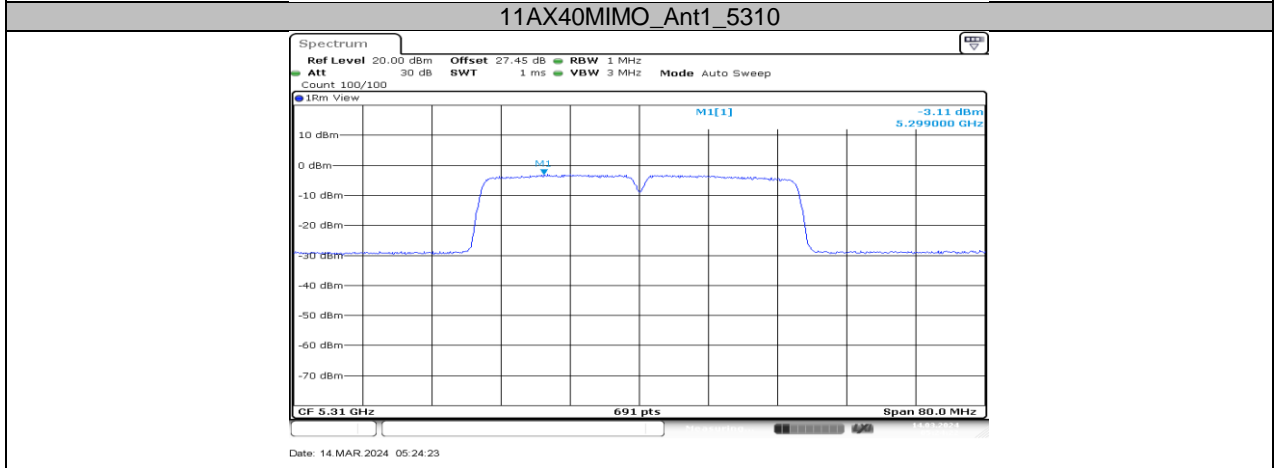
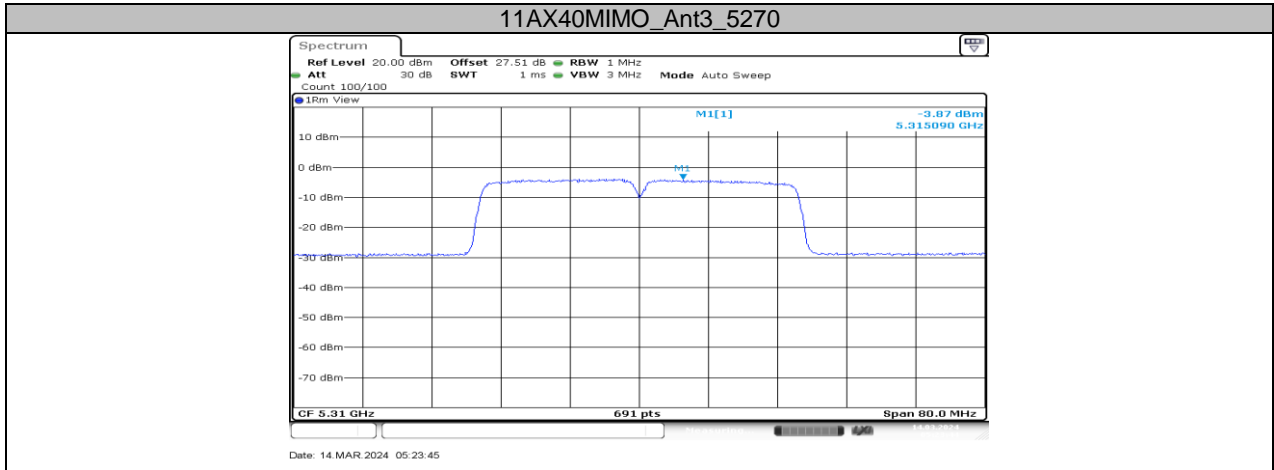


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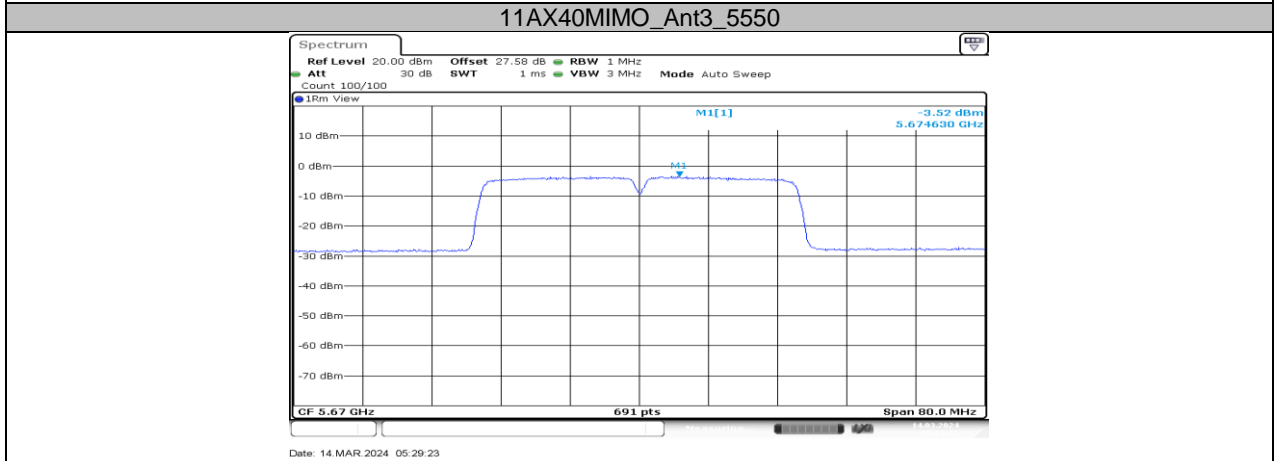
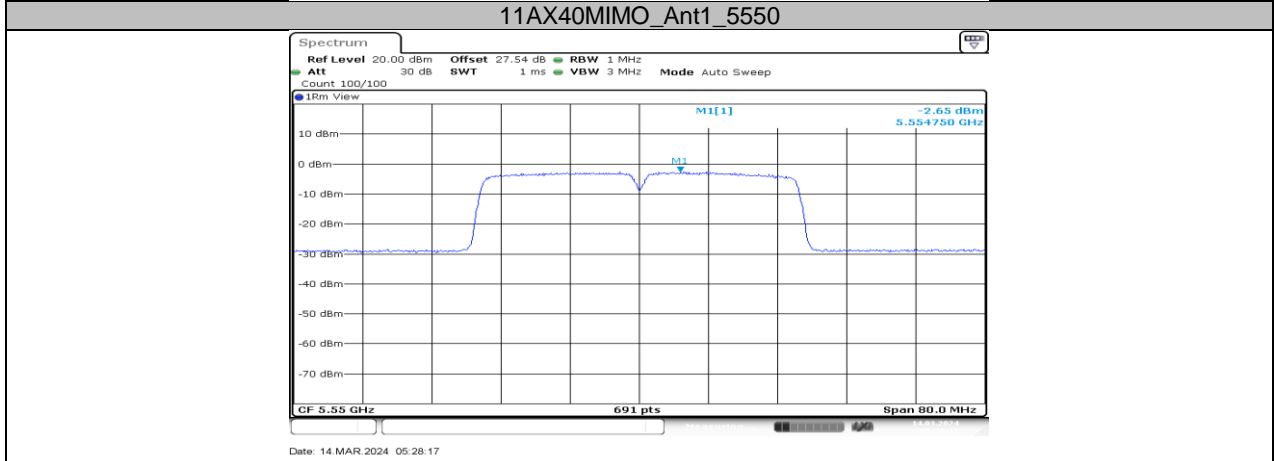
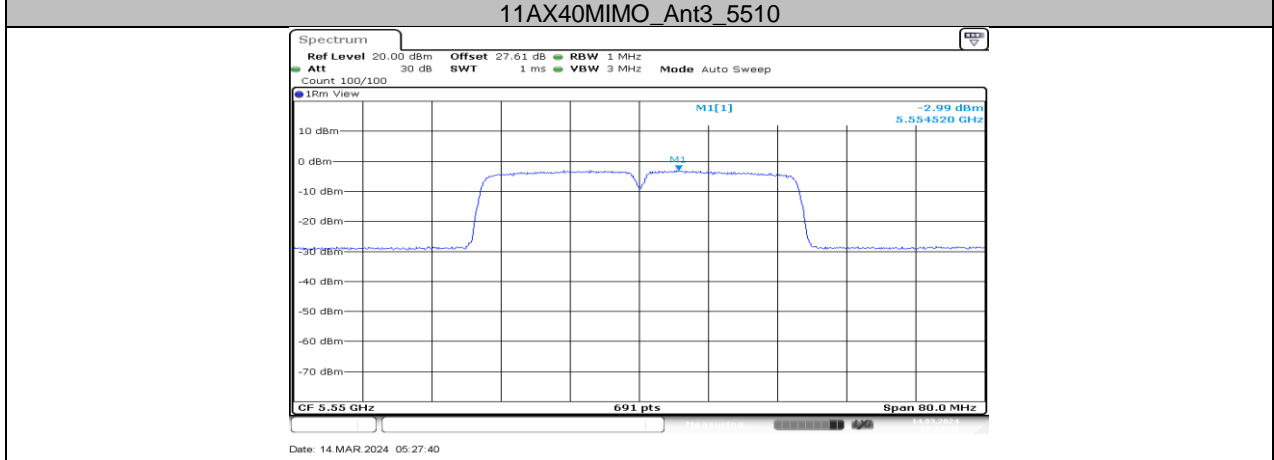
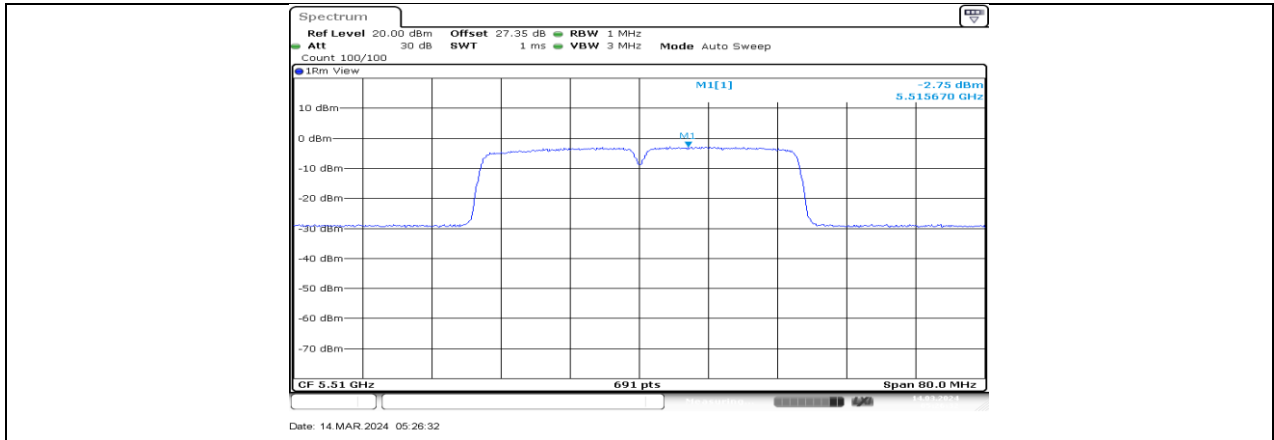


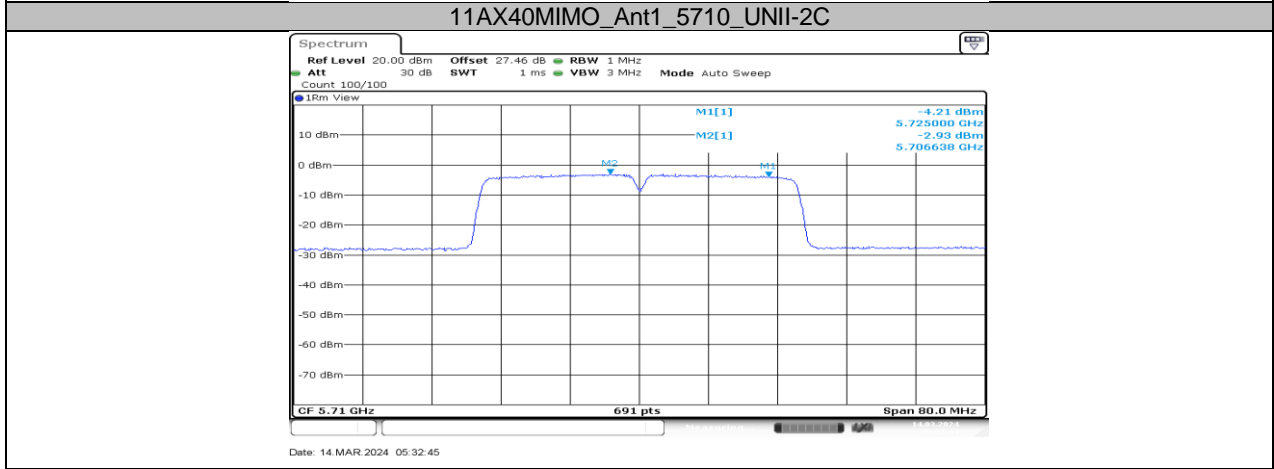
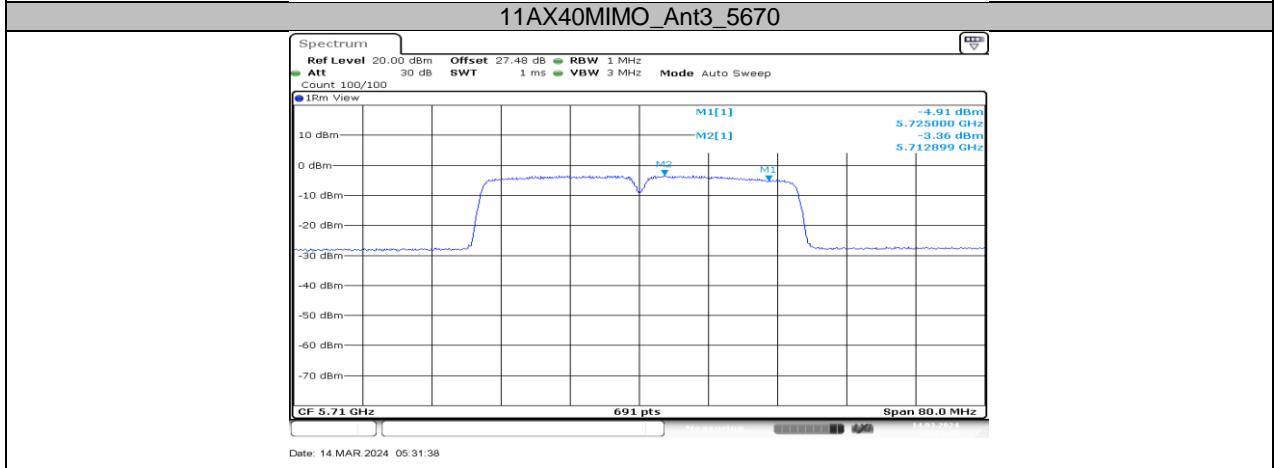
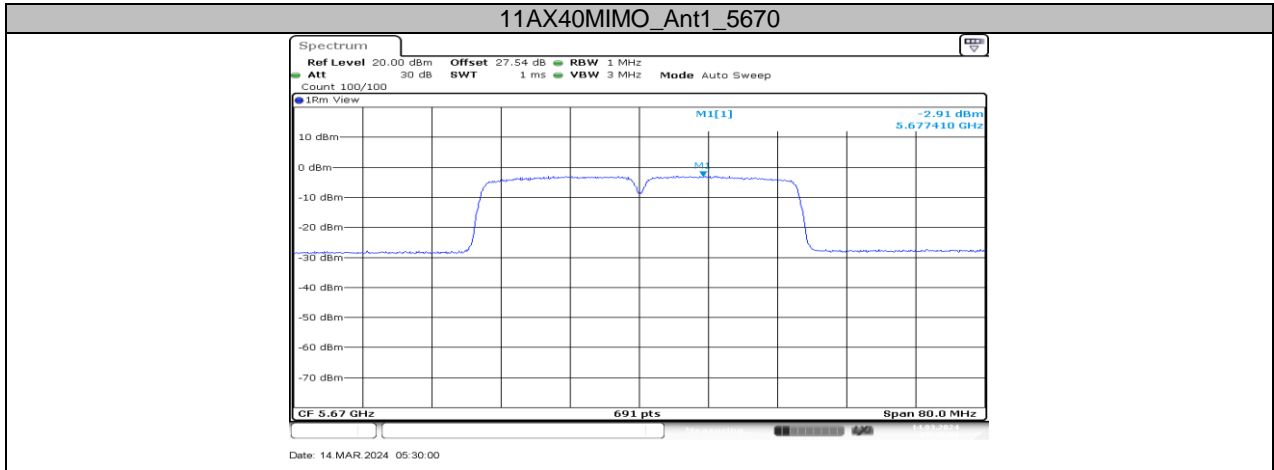
11AX40MIMO\_Ant1\_5270



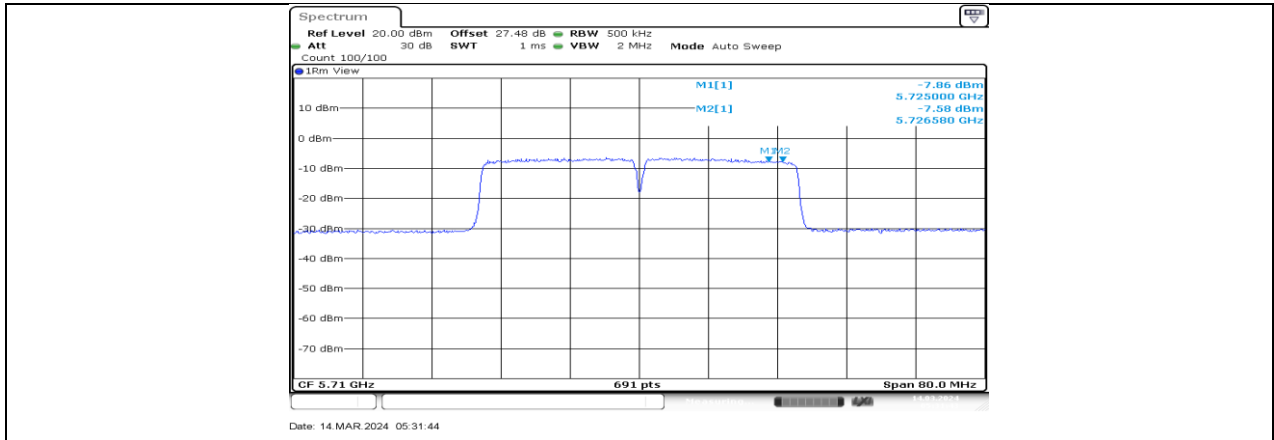


**11AX40MIMO\_Ant1\_5510**

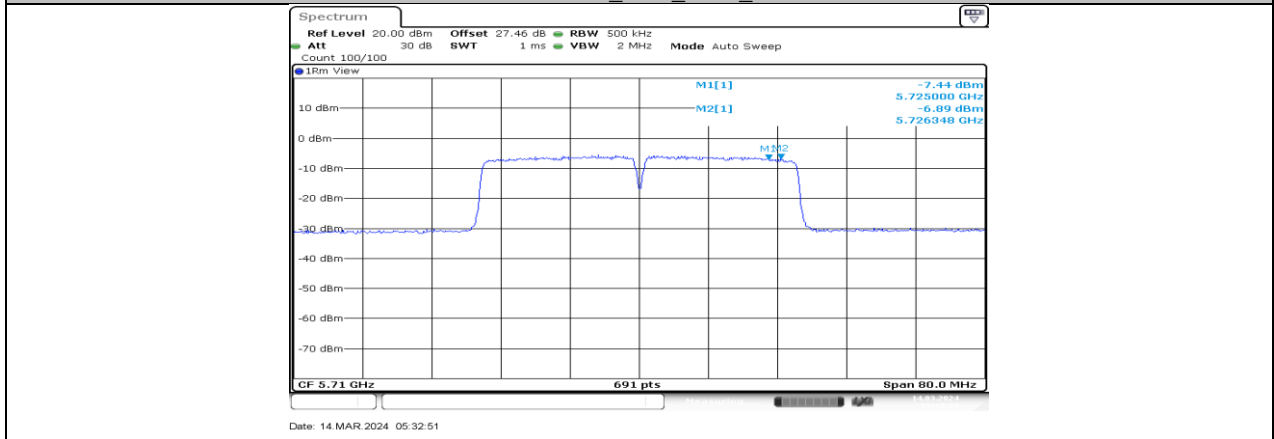




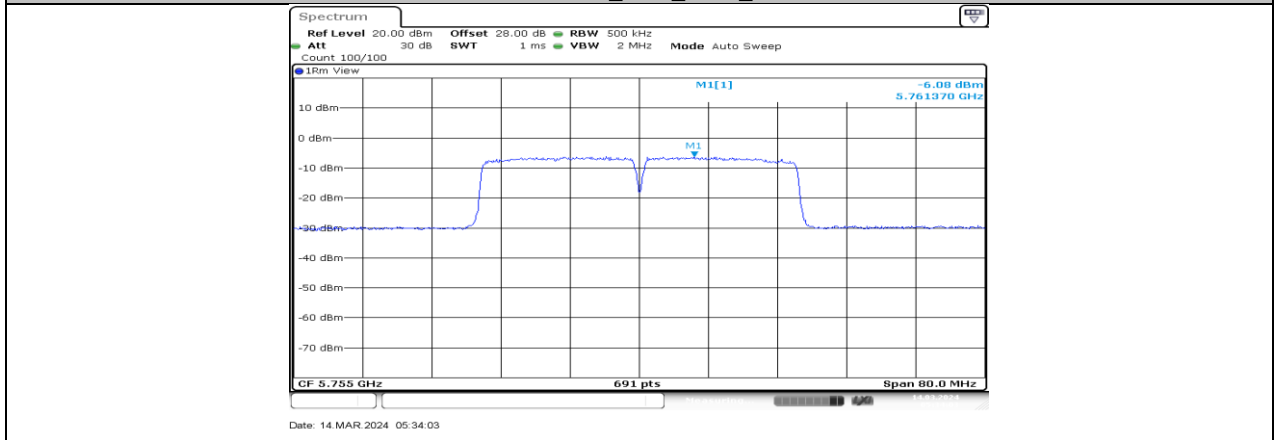
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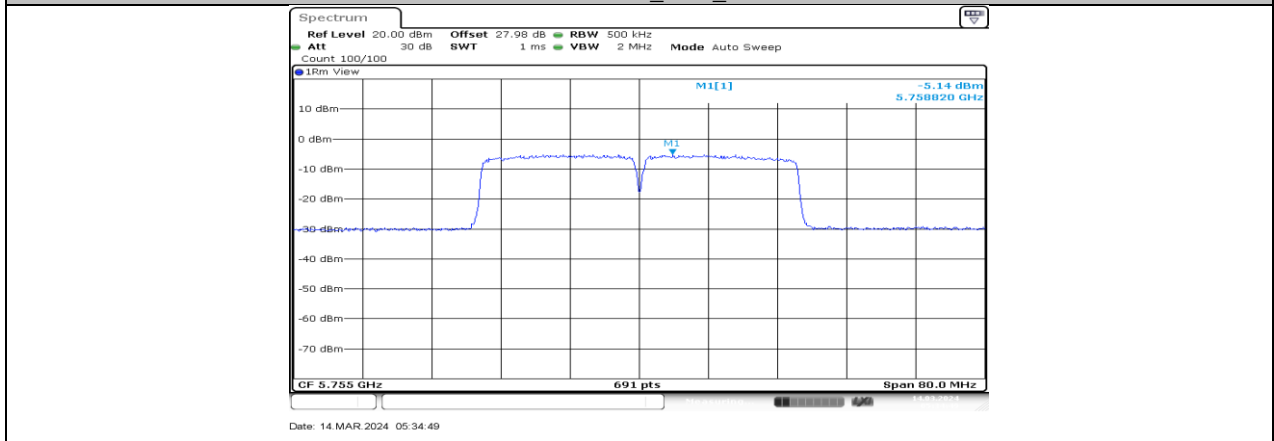
11AX40MIMO\_Ant1\_5710\_UNII-3

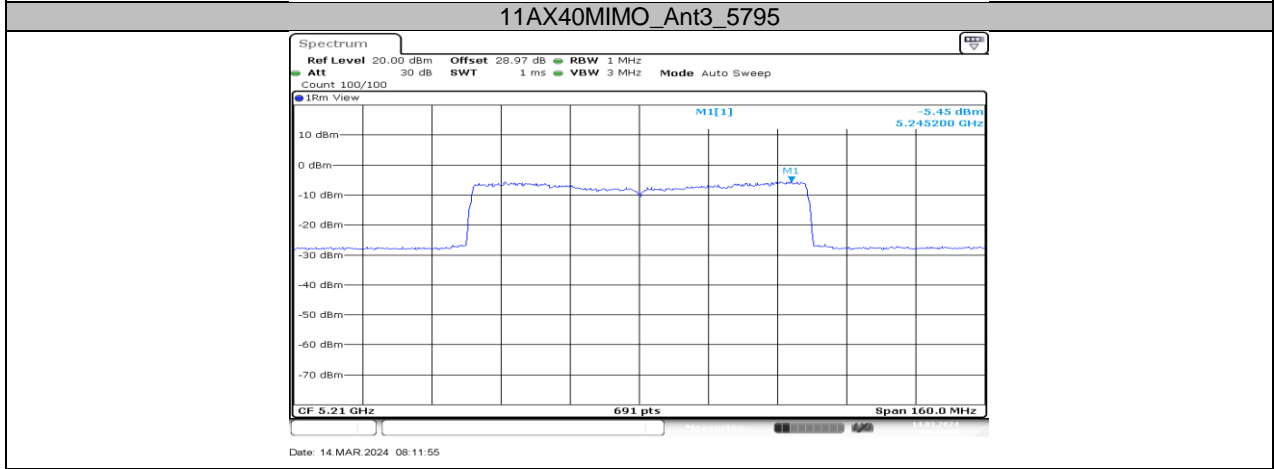
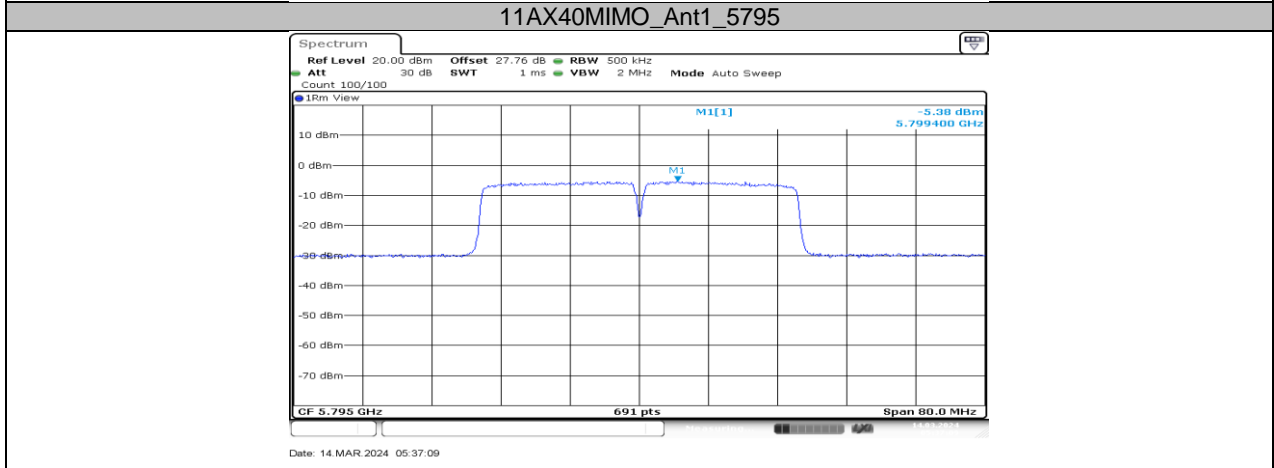
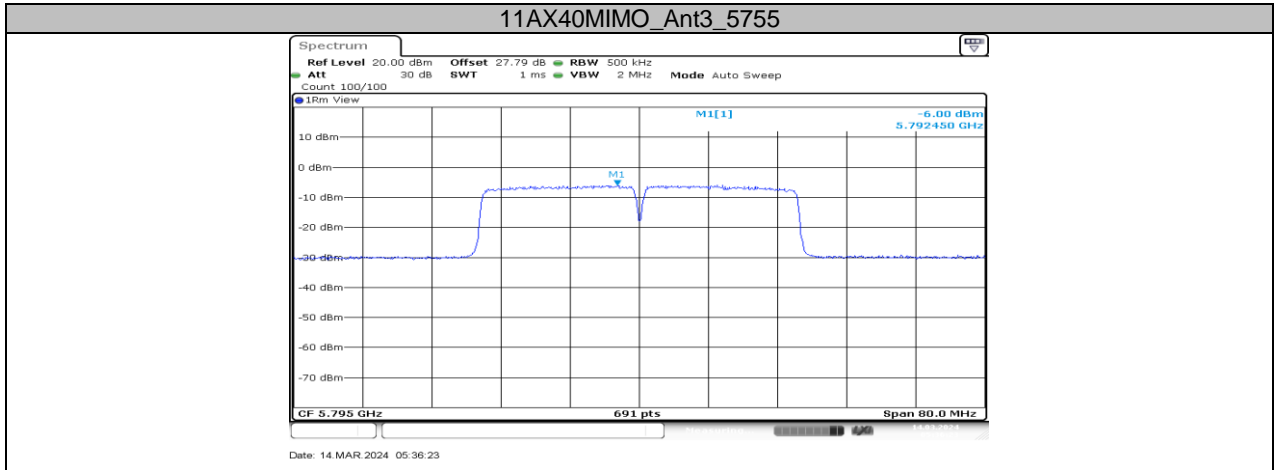


11AX40MIMO\_Ant3\_5710\_UNII-3



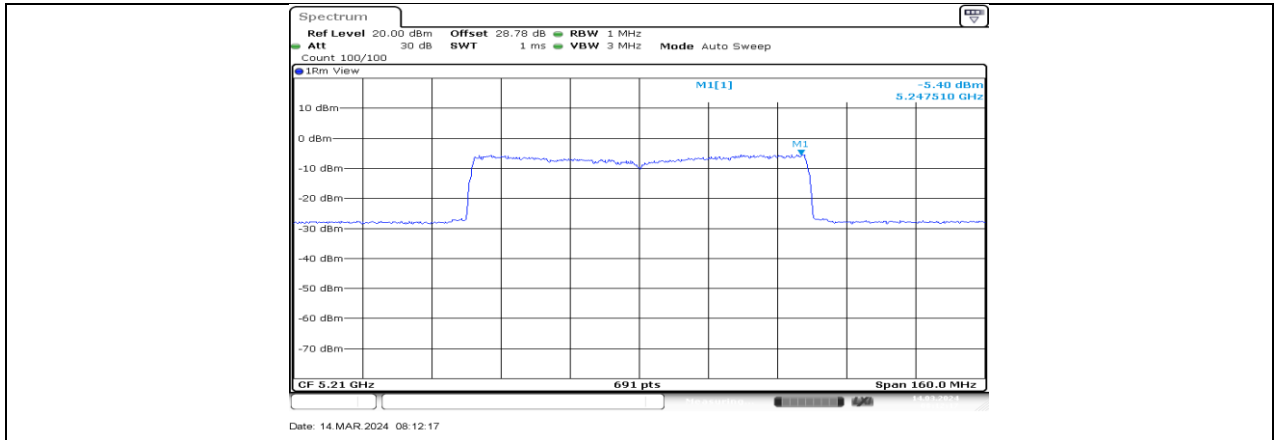
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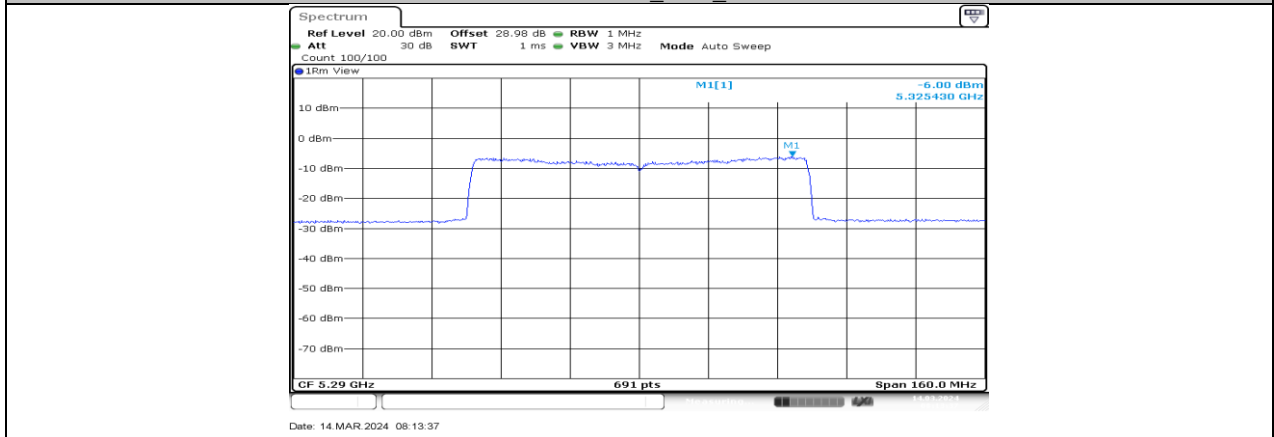


### 11AX80MIMO\_Ant1\_5210

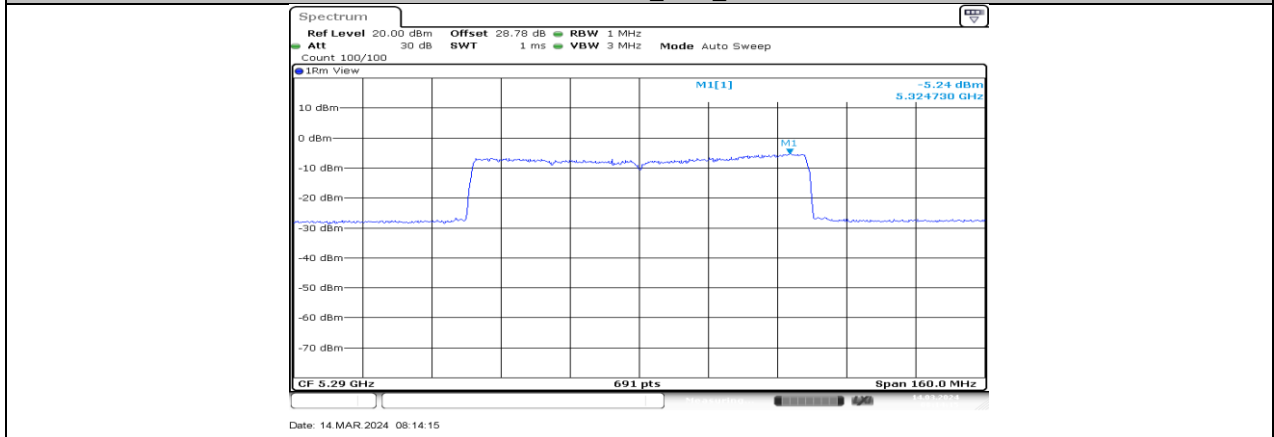




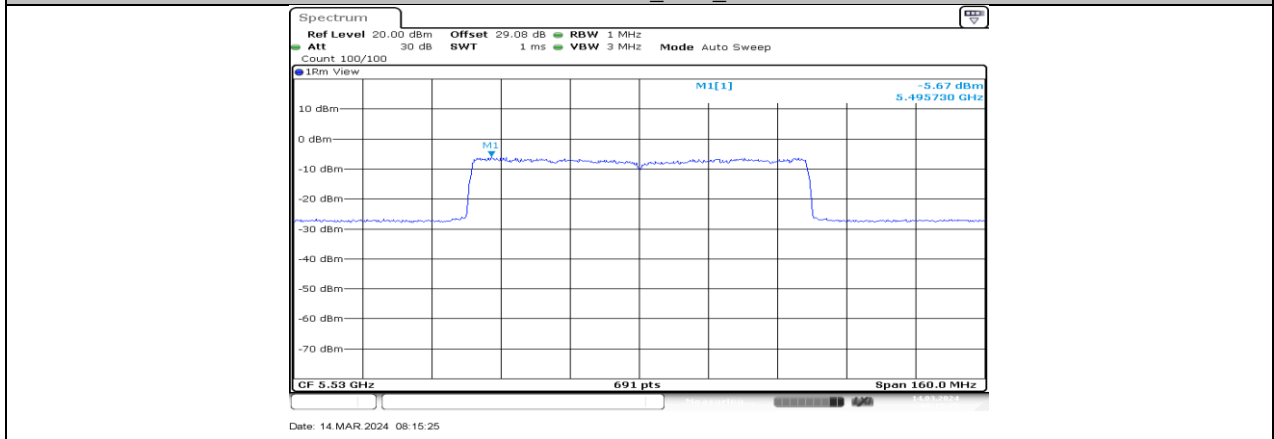
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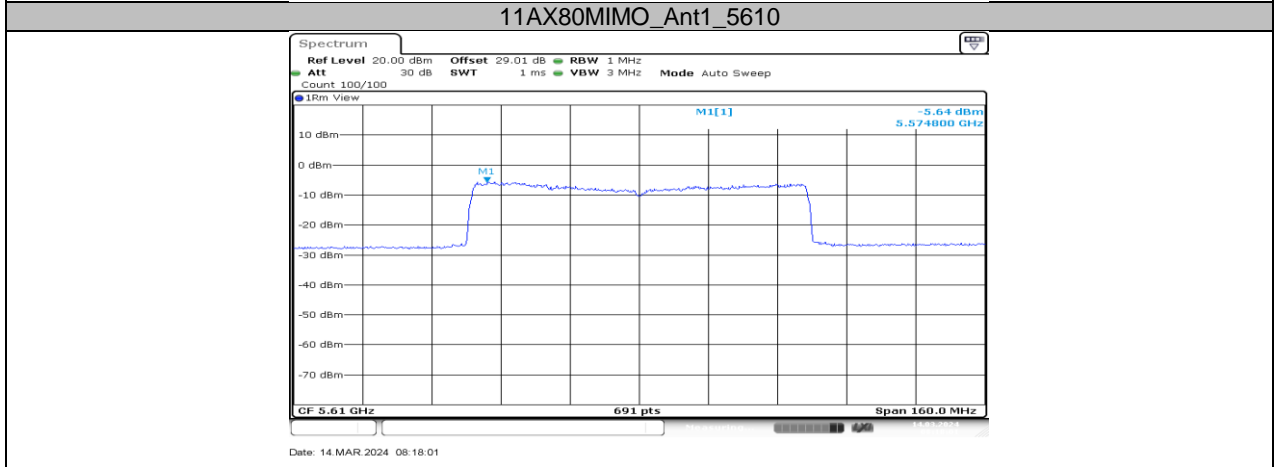
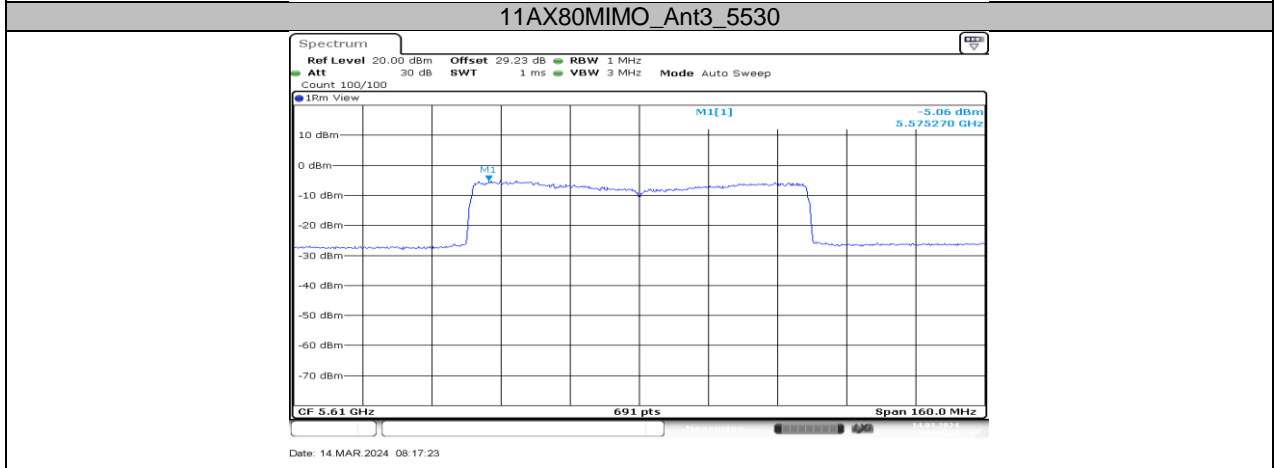
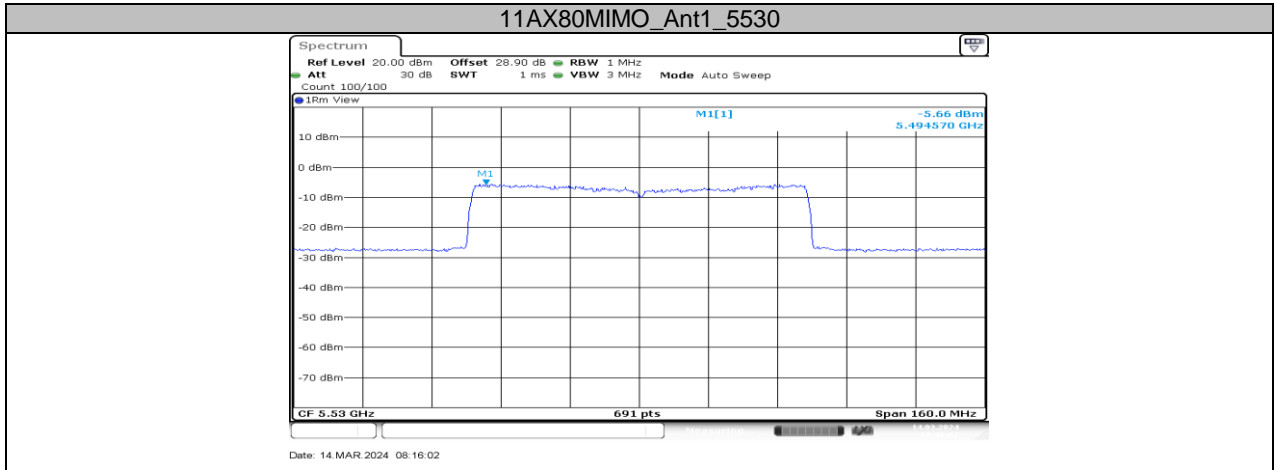


11AX80MIMO\_Ant1\_5290

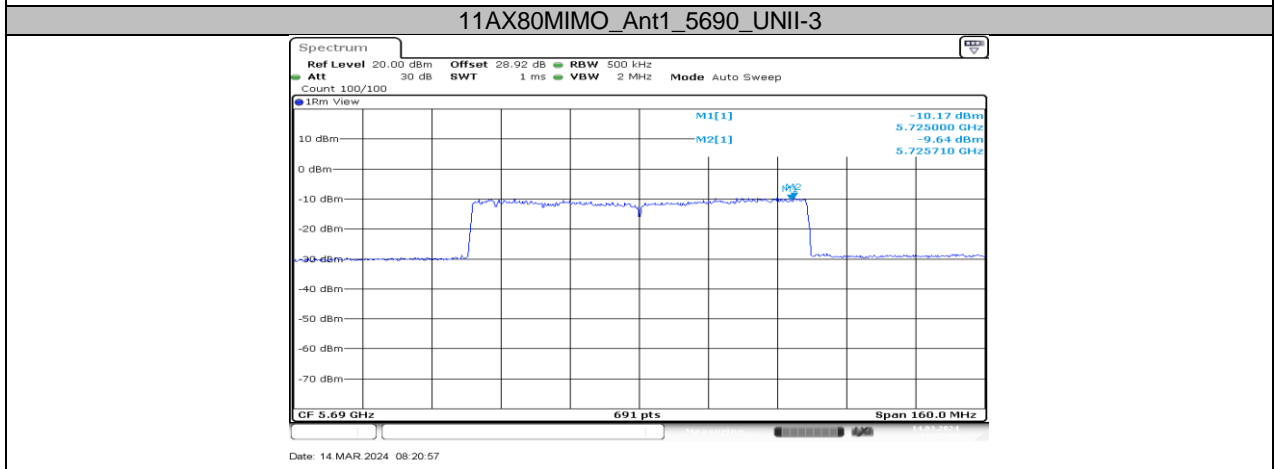
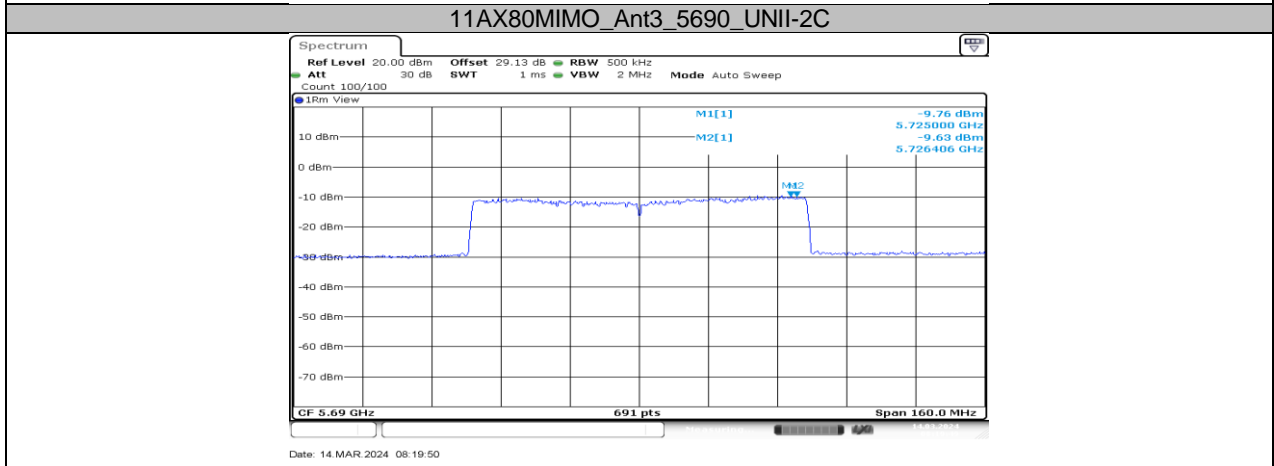
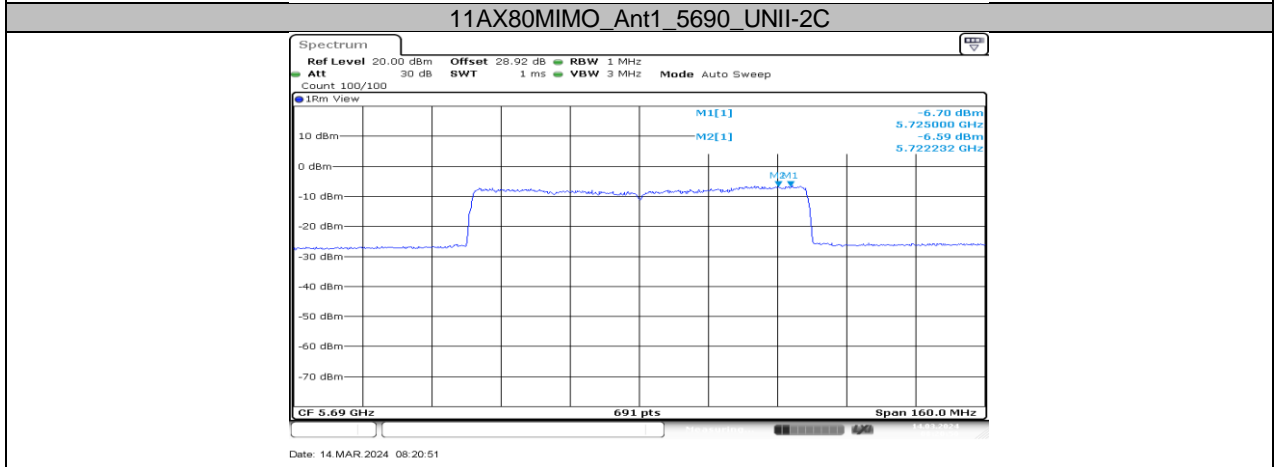
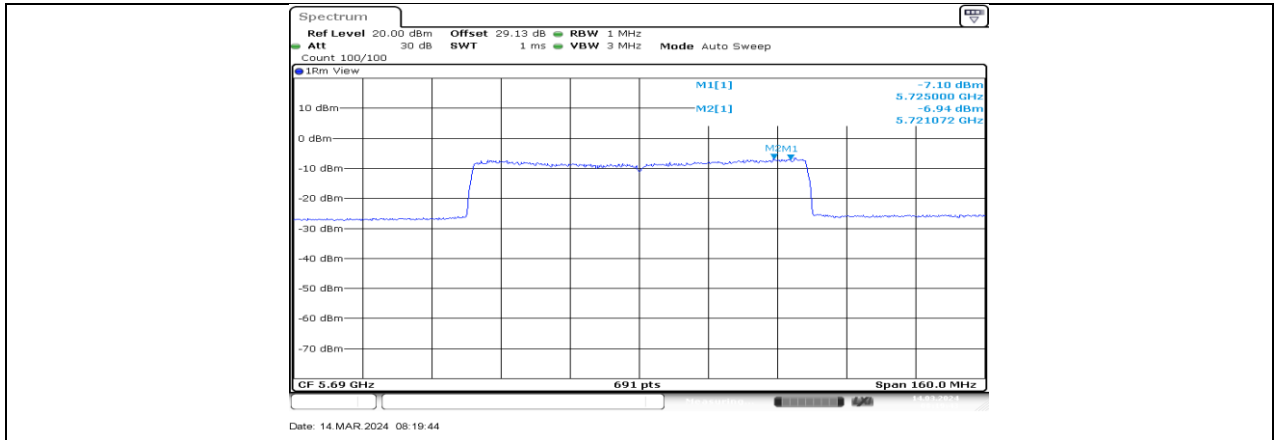


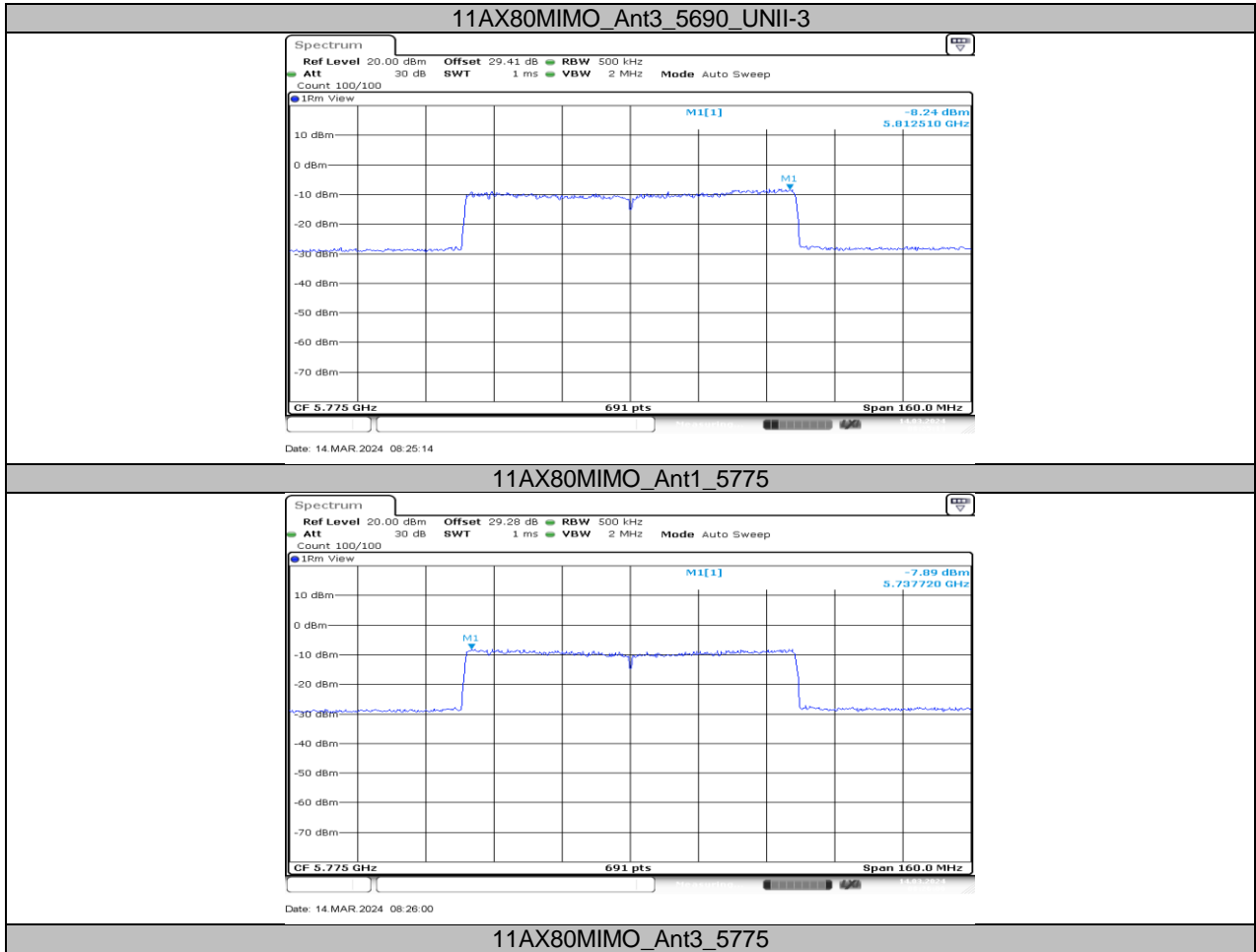
11AX80MIMO\_Ant3\_5290





### 11AX80MIMO\_Ant3\_5610





## 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	5180.0217	4.19	5179.9940	-1.16	5180.0231	4.46	5180.0050	0.97
TN	VN	5179.9818	-3.51	5180.0150	2.89	5179.9758	-4.67	5180.0116	2.24
TN	VH	5179.9769	-4.45	5179.9774	-4.37	5179.9957	-0.83	5180.0032	0.61

Frequency Error vs. Temperature									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
70	VN	5179.9772	-4.39	5179.9905	-1.83	5179.9867	-2.56	5179.9968	-0.62
60	VN	5179.9942	-1.12	5179.9888	-2.16	5179.9959	-0.79	5179.9847	-2.96
50	VN	5179.9815	-3.57	5180.0200	3.86	5180.0100	1.93	5179.9793	-3.99
40	VN	5179.9762	-4.60	5179.9774	-4.36	5180.0174	3.36	5180.0152	2.94
30	VN	5179.9924	-1.47	5180.0249	4.80	5180.0170	3.28	5179.9786	-4.14
20	VN	5180.0065	1.26	5179.9864	-2.63	5179.9852	-2.86	5180.0175	3.38
10	VN	5180.0208	4.02	5179.9854	-2.83	5180.0236	4.55	5179.9850	-2.89
0	VN	5180.0072	1.39	5179.9786	-4.14	5179.9834	-3.21	5180.0062	1.20

**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.

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	5824.9900	-1.72	5825.0060	1.03	5824.9901	-1.71	5824.9926	-1.27
TN	VN	5825.0099	1.70	5824.9782	-3.74	5825.0054	0.93	5824.9912	-1.50
TN	VH	5825.0174	2.98	5825.0216	3.71	5825.0141	2.42	5825.0203	3.48

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)
70	VN	5825.0153	2.64	5824.9807	-3.31	5825.0111	1.91	5825.0248	4.26
60	VN	5825.0107	1.84	5824.9981	-0.33	5824.9996	-0.07	5825.0155	2.66
50	VN	5825.0037	0.64	5825.0218	3.74	5824.9824	-3.02	5825.0170	2.92
40	VN	5825.0097	1.67	5825.0092	1.58	5824.9930	-1.21	5825.0168	2.88
30	VN	5825.0222	3.82	5824.9959	-0.70	5824.9875	-2.14	5824.9931	-1.19
20	VN	5825.0128	2.20	5825.0180	3.10	5824.9916	-1.44	5825.0010	0.17
10	VN	5824.9780	-3.78	5825.0117	2.01	5825.0169	2.90	5825.0206	3.54
0	VN	5825.0003	0.04	5824.9838	-2.77	5825.0154	2.65	5825.0224	3.85

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	1.34	1.84	0.7283	72.83	1.38	0.75	1
11N20MIMO	1.25	1.75	0.7143	71.43	1.46	0.80	1
11N40MIMO	0.62	1.12	0.5536	55.36	2.57	1.61	2
11AC80MIMO	0.31	0.8	0.3875	38.75	4.12	3.23	4
11AX20MIMO	1.15	1.65	0.6970	69.70	1.57	0.87	1
11AX40MIMO	0.63	1.12	0.5625	56.25	2.50	1.59	2
11AX80MIMO	0.32	0.82	0.3902	39.02	4.09	3.13	4

Note:

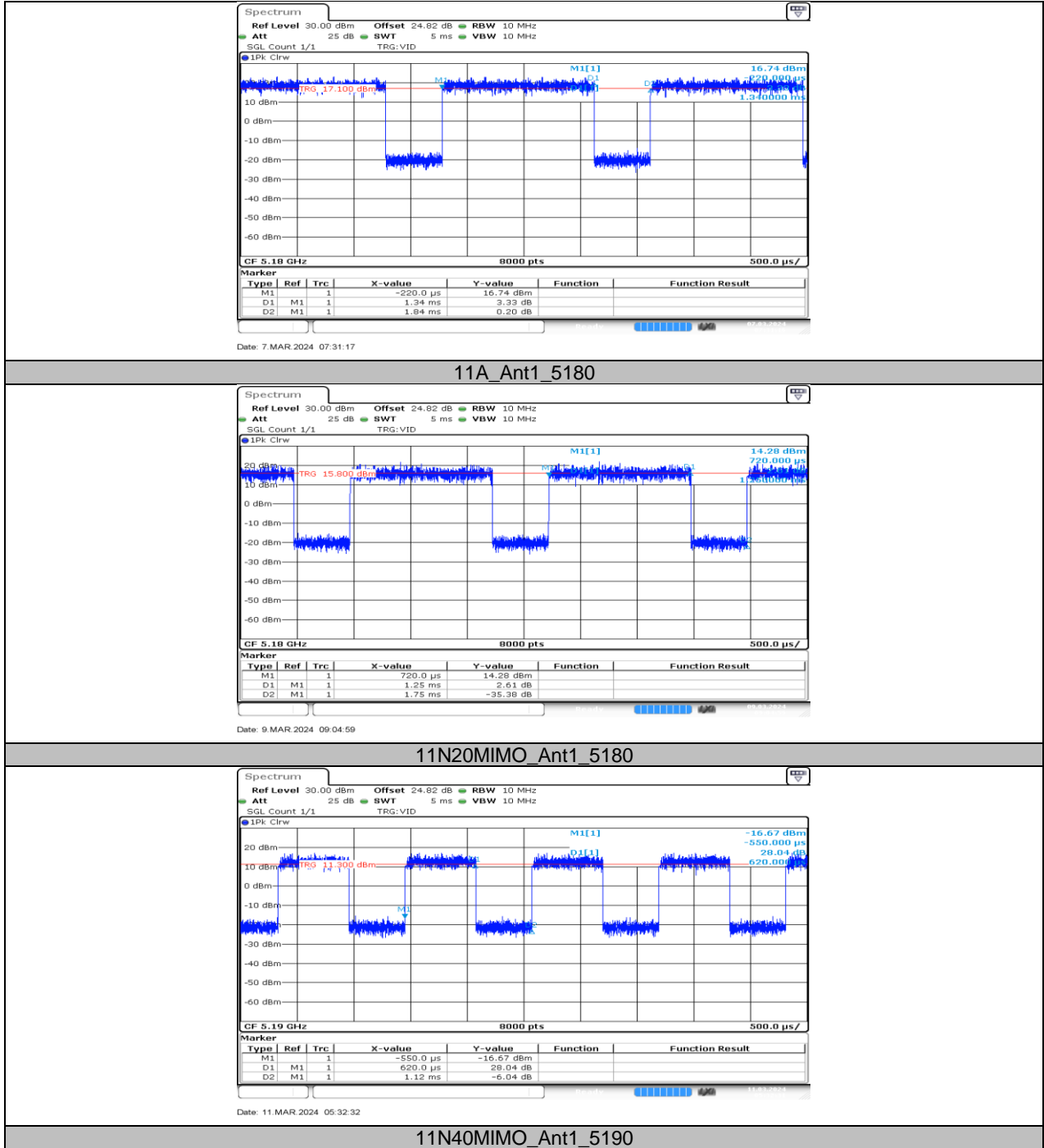
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

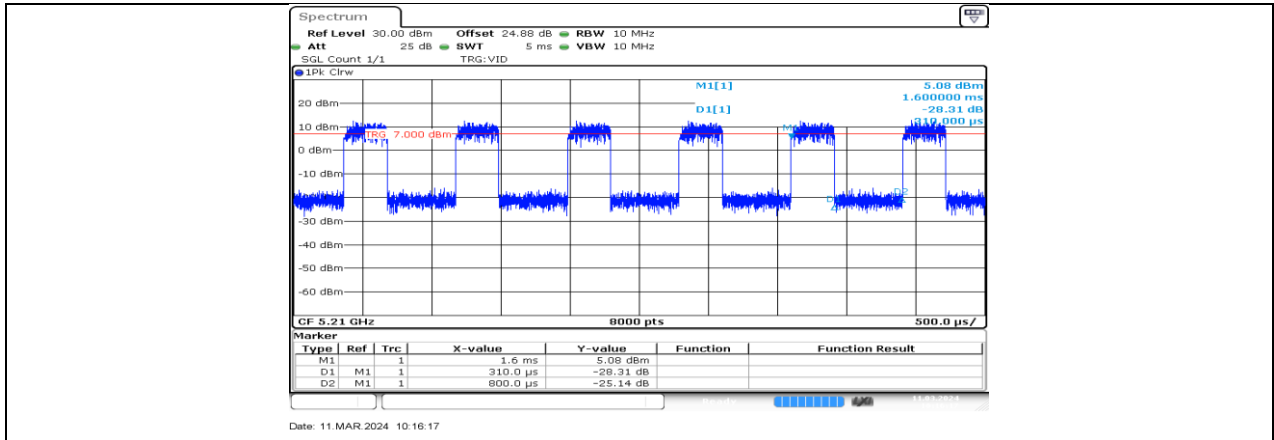
Where: T is On Time

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

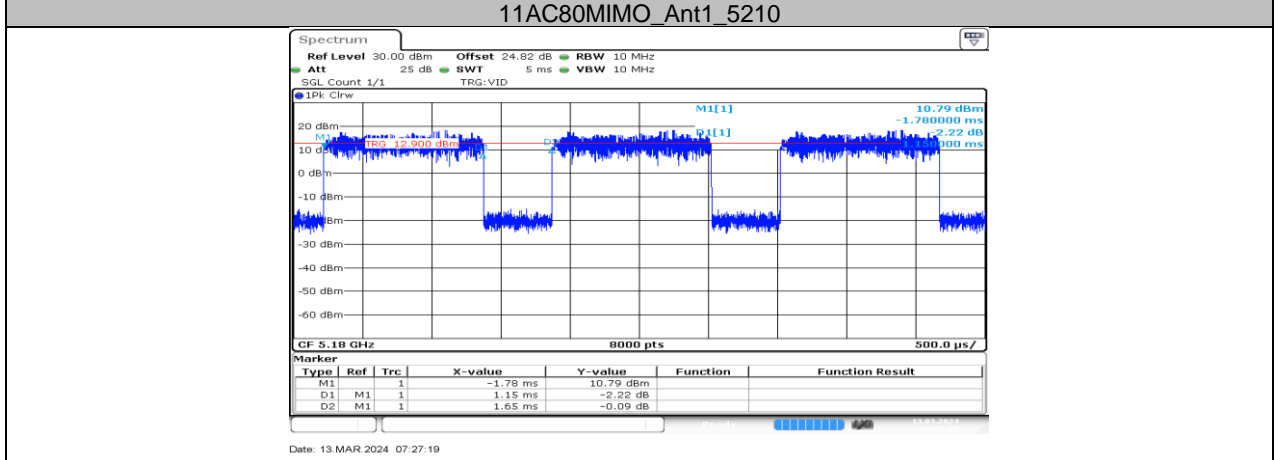
### 11.7.2. Test Graphs



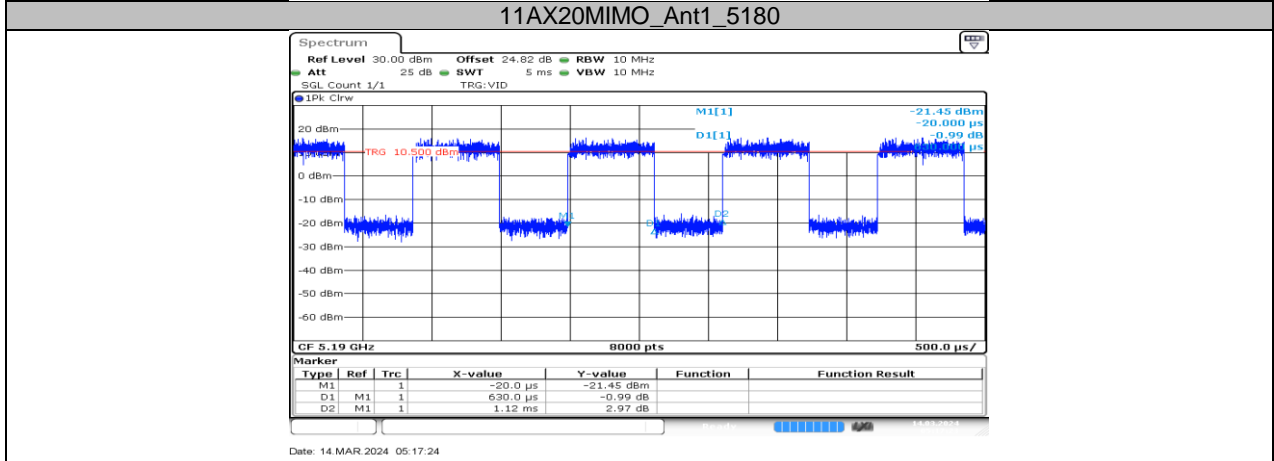




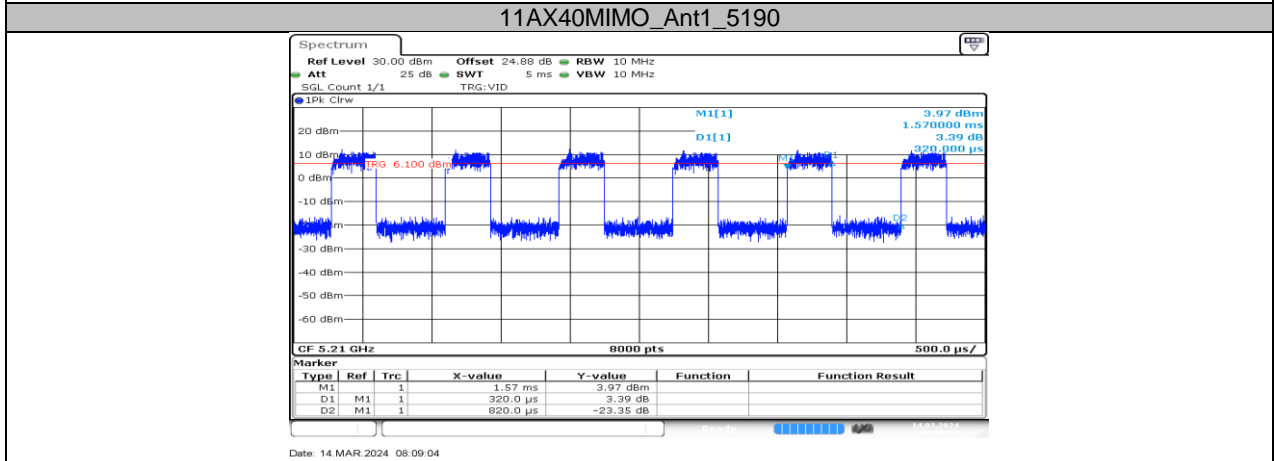
Date: 11.MAR 2024 10:16:17



Date: 13.MAR 2024 07:27:19



Date: 14.MAR 2024 05:17:24



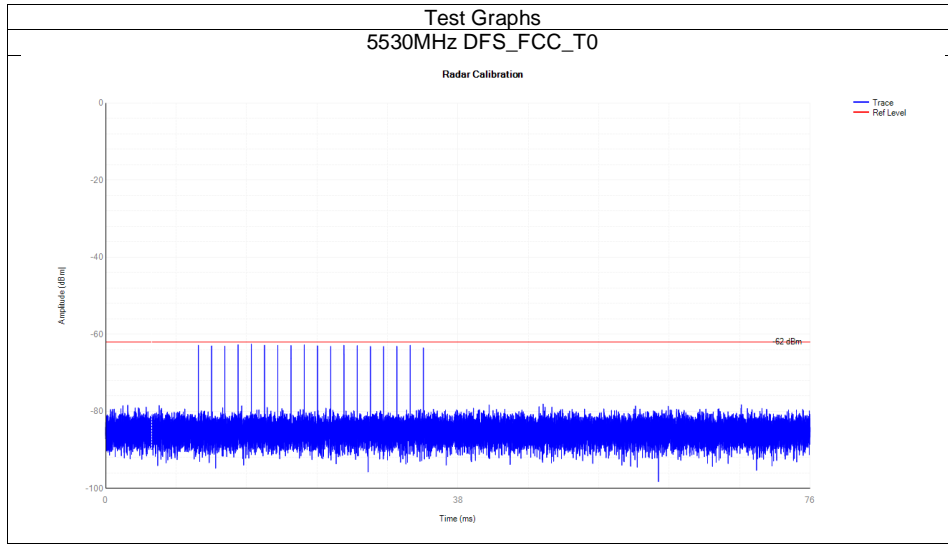
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### 11.8. APPENDIX H: CALIBRATION

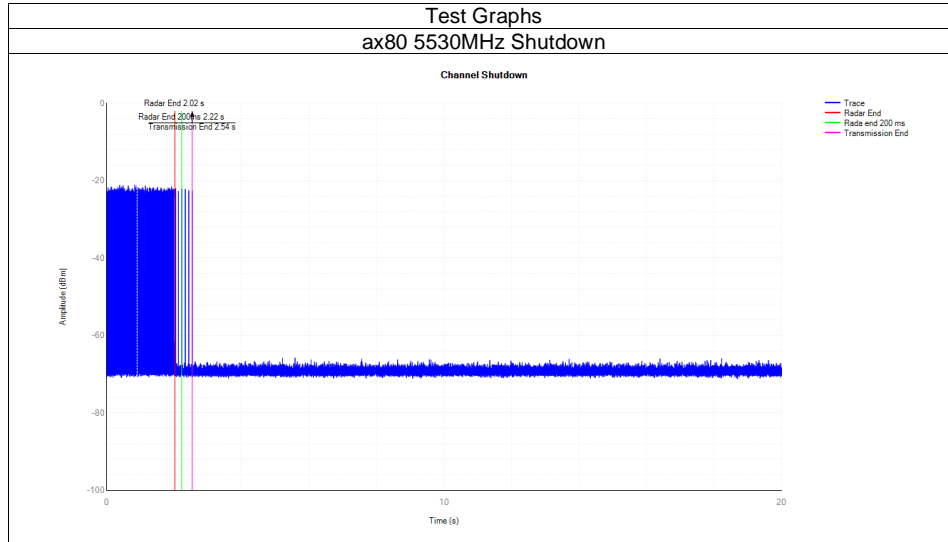
Mode	Frequency (MHz)	Type	Result	Verdict
ax80	5530	DFS_FCC_T0	See test Graph	Pass



### 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	0.513	10	0.008	0.26	0.005	0.06	Pass

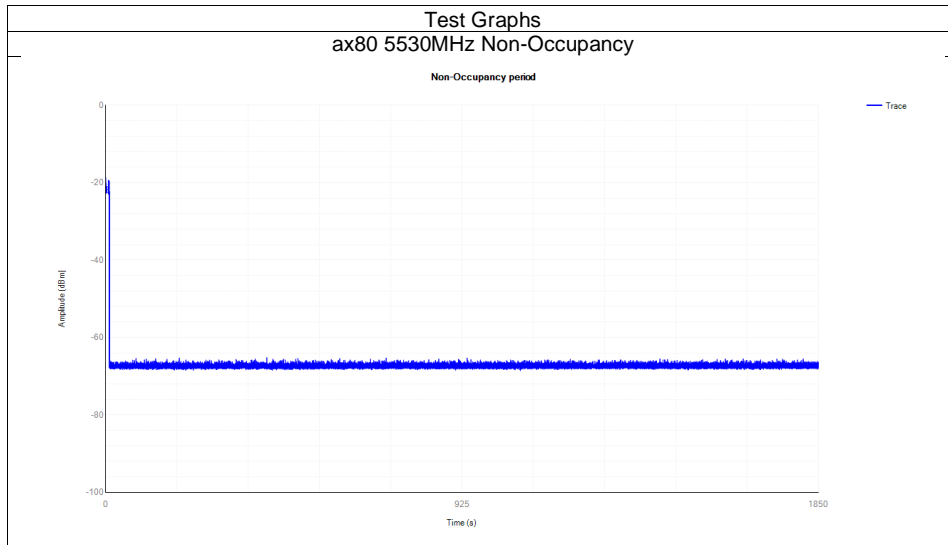
Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



### 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.




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**END OF REPORT**