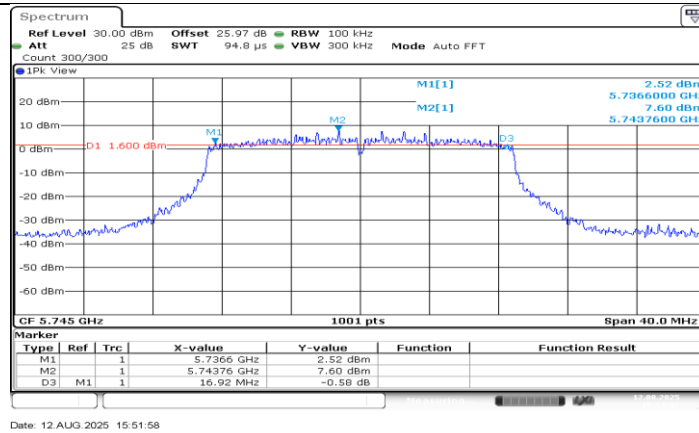
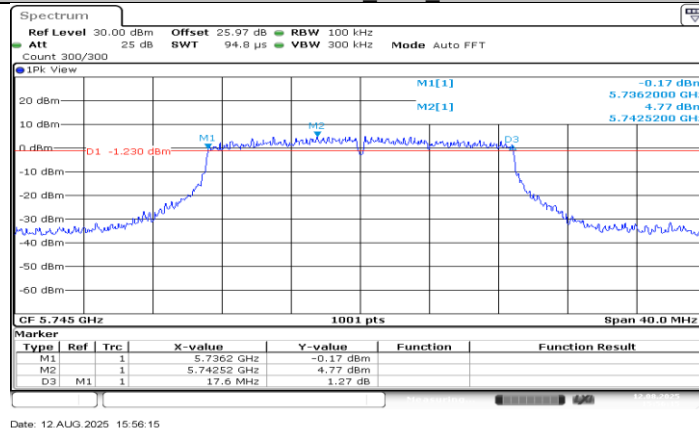
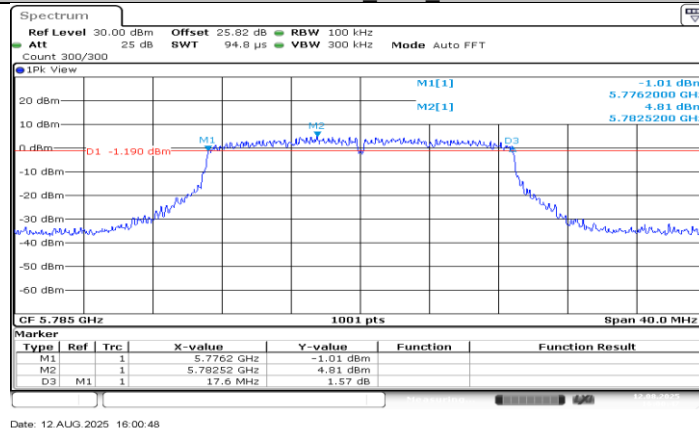




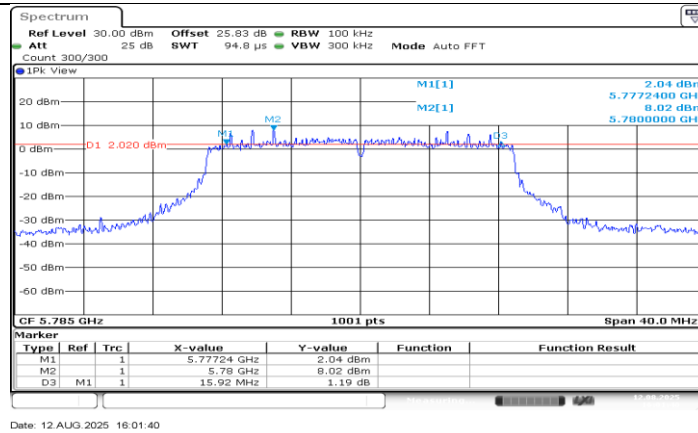
11N20MIMO_Ant1_5745



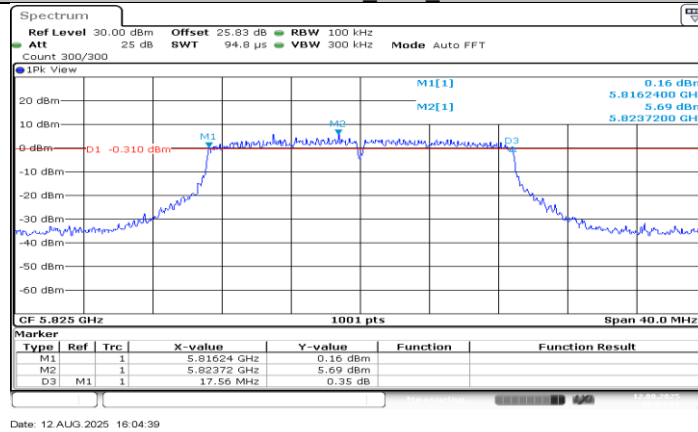
11N20MIMO_Ant2_5745



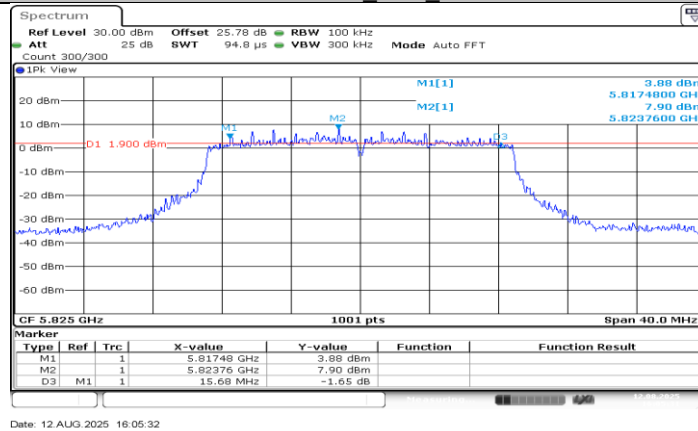
11N20MIMO_Ant1_5785



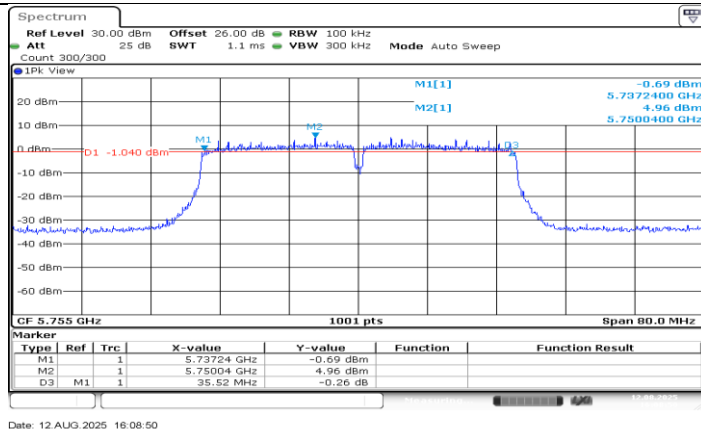
11N20MIMO_Ant2_5785



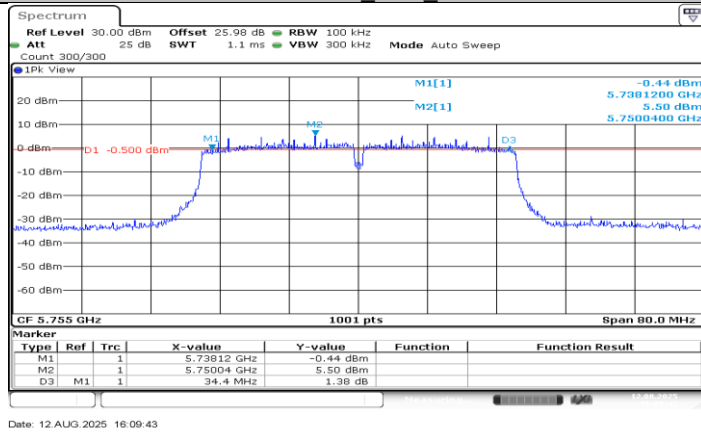
11N20MIMO_Ant1_5825



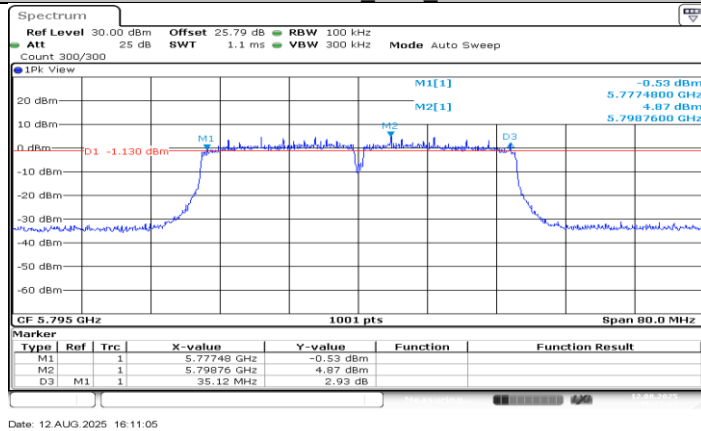
11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



Spectrum

Ref Level 30.00 dBm Offset 25.82 dB RBW 100 kHz
 Att 25 dB SWT 360.3 μ s VBW 300 kHz Mode Auto FFT
 Count 113/300

1Pk View

20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm

CF 5.775 GHz 1001 pts Span 160.0 MHz

Markers

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.73804 GHz	-5.16 dBm		
M2		1	5.79004 GHz	0.51 dBm		
D3	M1	1	74.56 MHz	-0.29 dB		

Date: 12 AUG 2025 16:21:23

Spectrum

Ref Level 30.00 dBm Offset 25.93 dB RBW 100 kHz
 Att 25 dB SWT 360.3 μ s VBW 300 kHz Mode Auto FFT
 Count 114/300

1PK View

20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm

CF 5.775 GHz 1001 pts Span 160.0 MHz

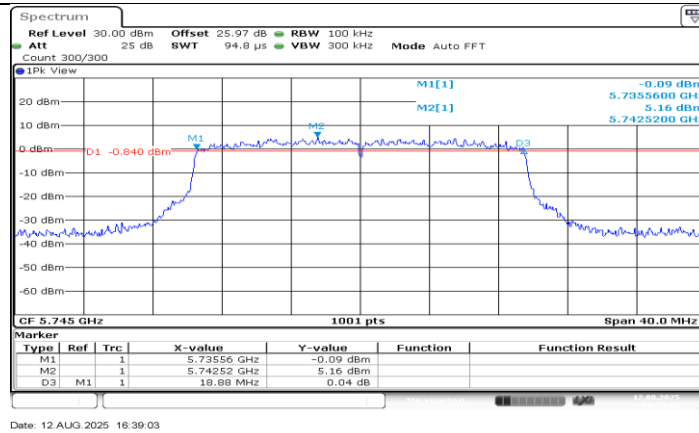
Markers:

Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1	5.73852 GHz	-5.52 dBm		
M2	1		1	5.77996 GHz	0.23 dBm		
D3	M1	1		73.76 MHz	-0.00 dB		

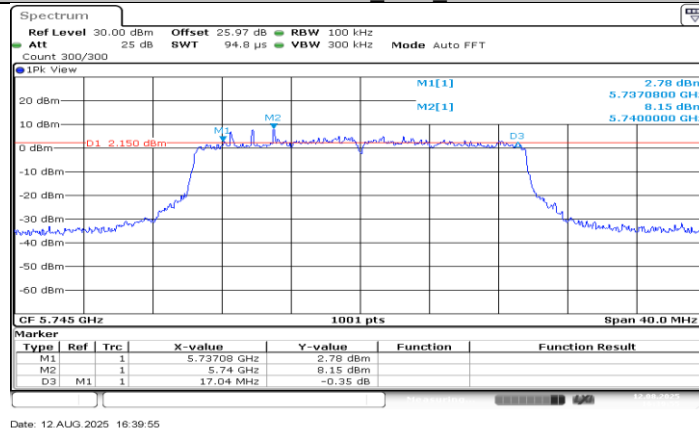
Measurement Data:

Marker	Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		1	5.73852 GHz	-5.52 dBm		
M2	1		1	5.77996 GHz	0.23 dBm		
D3	M1	1		73.76 MHz	-0.00 dB		

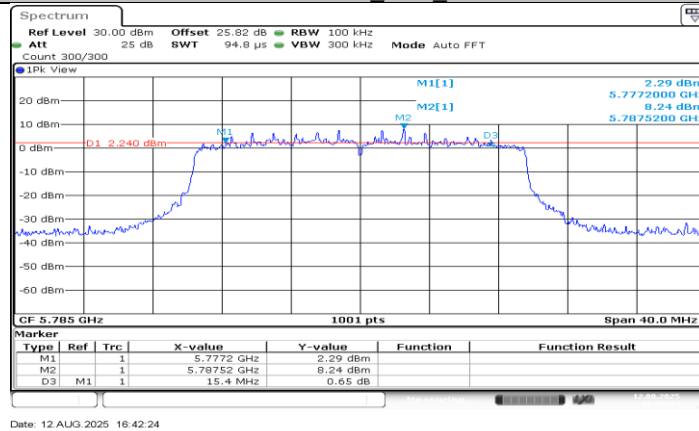
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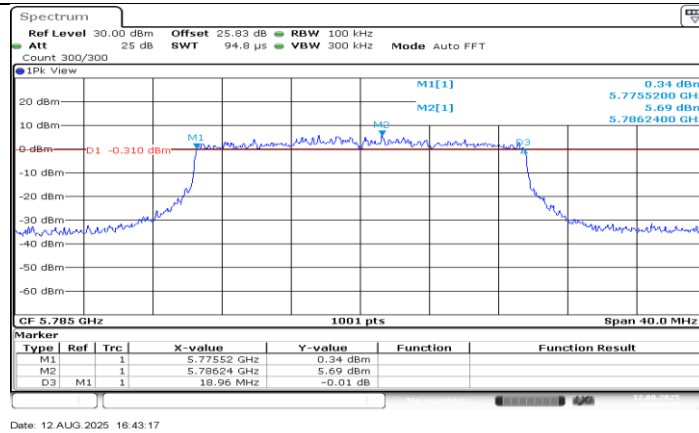
11AX20MIMO_Ant1_5745



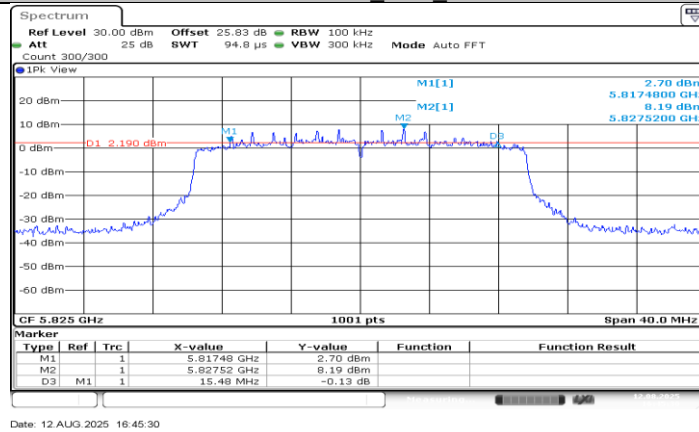
11AX20MIMO_Ant2_5745



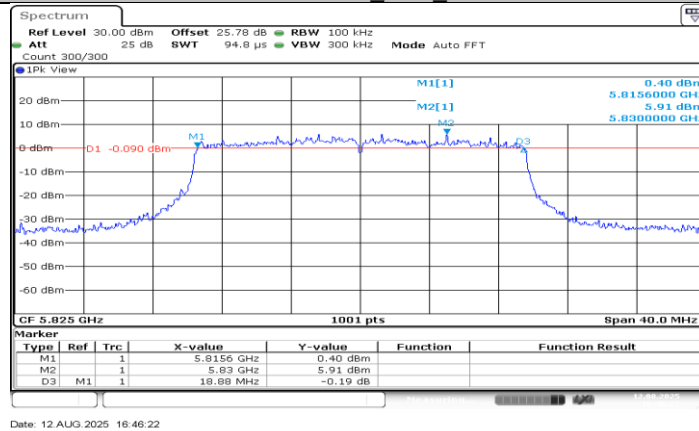
11AX20MIMO_Ant1_5785



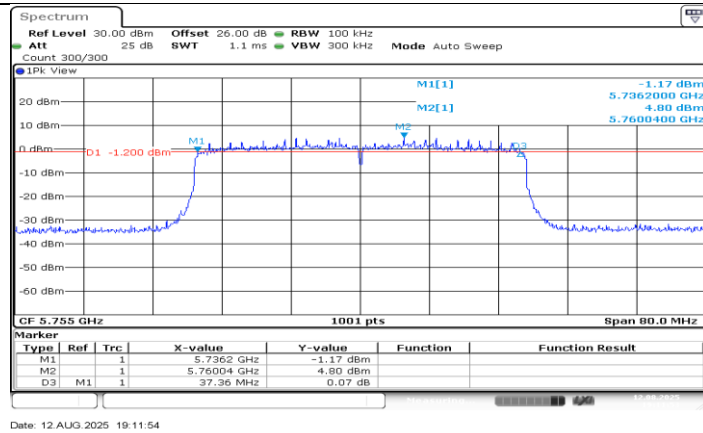
11AX20MIMO_Ant2_5785



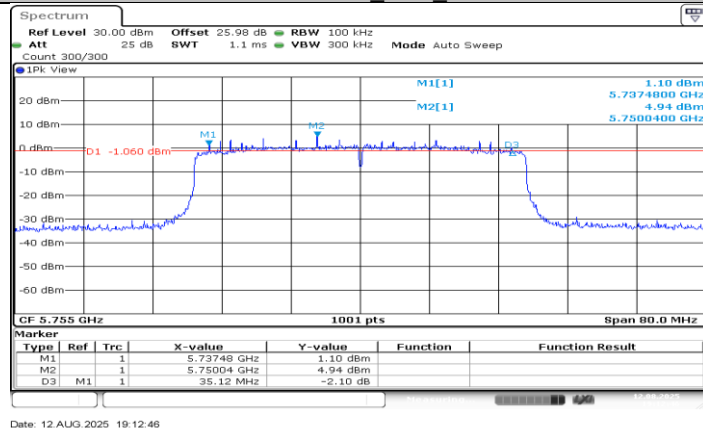
11AX20MIMO_Ant1_5825



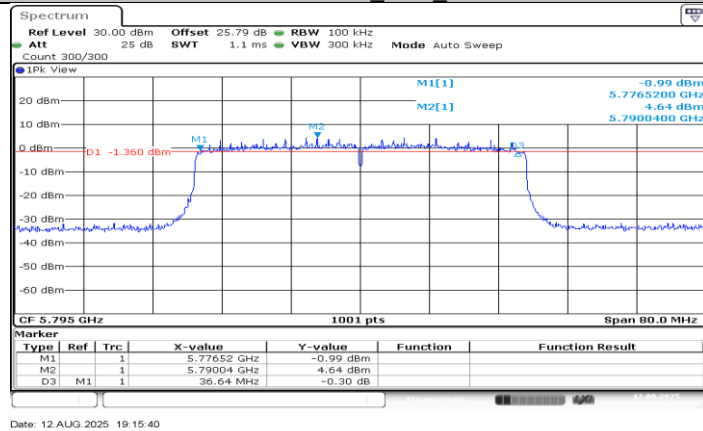
11AX20MIMO_Ant2_5825



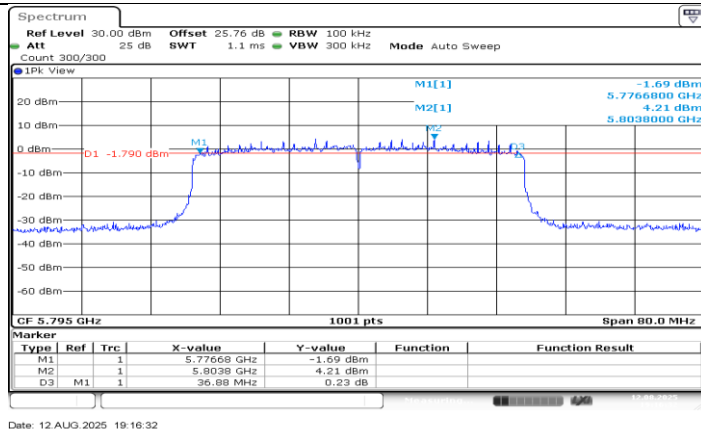
11AX40MIMO_Ant1_5755



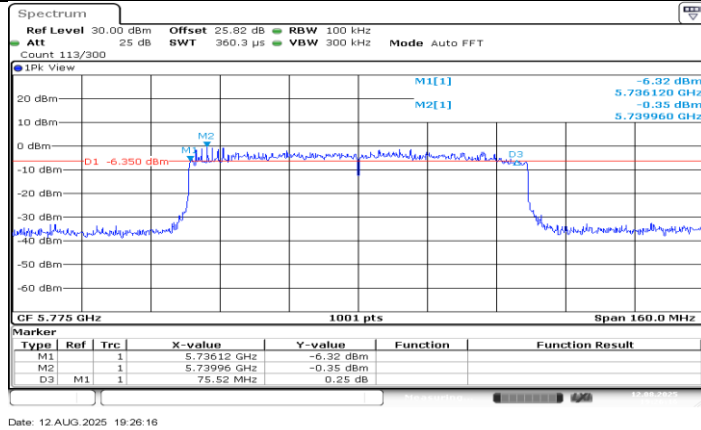
11AX40MIMO_Ant2_5755



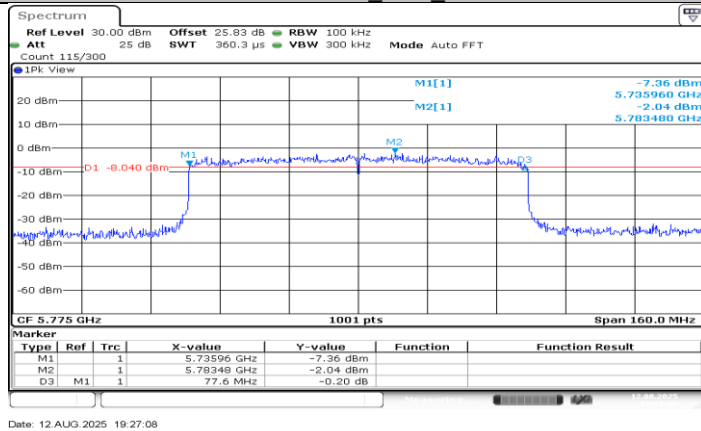
11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	Verdict
11A-MIMO	Ant1	5180	18.56	≤23.98	PASS
	Ant2	5180	18.33	≤23.98	PASS
	total	5180	21.46	≤23.98	PASS
	Ant1	5200	16.07	≤23.98	PASS
	Ant2	5200	16.01	≤23.98	PASS
	total	5200	19.05	≤23.98	PASS
	Ant1	5240	17.75	≤23.98	PASS
	Ant2	5240	18.05	≤23.98	PASS
	total	5240	20.91	≤23.98	PASS
	Ant1	5745	18.78	≤30.00	PASS
	Ant2	5745	18.66	≤30.00	PASS
	total	5745	21.73	≤30.00	PASS
	Ant1	5785	18.37	≤30.00	PASS
	Ant2	5785	18.75	≤30.00	PASS
	total	5785	21.57	≤30.00	PASS
	Ant1	5825	18.75	≤30.00	PASS
	Ant2	5825	18.89	≤30.00	PASS
	total	5825	21.83	≤30.00	PASS
11N20MIMO	Ant1	5180	18.24	≤23.98	PASS
	Ant2	5180	17.97	≤23.98	PASS
	total	5180	21.12	≤23.98	PASS
	Ant1	5200	18.00	≤23.98	PASS
	Ant2	5200	17.80	≤23.98	PASS
	total	5200	20.91	≤23.98	PASS
	Ant1	5240	18.02	≤23.98	PASS
	Ant2	5240	18.19	≤23.98	PASS
	total	5240	21.12	≤23.98	PASS
	Ant1	5745	18.45	≤30.00	PASS
	Ant2	5745	18.29	≤30.00	PASS
	total	5745	21.38	≤30.00	PASS
	Ant1	5785	18.28	≤30.00	PASS
	Ant2	5785	18.45	≤30.00	PASS
	total	5785	21.38	≤30.00	PASS
	Ant1	5825	18.08	≤30.00	PASS
	Ant2	5825	18.48	≤30.00	PASS
	total	5825	21.29	≤30.00	PASS
11N40MIMO	Ant1	5190	18.63	≤23.98	PASS
	Ant2	5190	18.08	≤23.98	PASS
	total	5190	21.37	≤23.98	PASS
	Ant1	5230	18.25	≤23.98	PASS
	Ant2	5230	17.79	≤23.98	PASS
	total	5230	21.04	≤23.98	PASS
	Ant1	5755	18.26	≤30.00	PASS
	Ant2	5755	18.04	≤30.00	PASS
	total	5755	21.16	≤30.00	PASS
	Ant1	5795	17.98	≤30.00	PASS
	Ant2	5795	18.11	≤30.00	PASS
	total	5795	21.06	≤30.00	PASS
11AC80MIMO	Ant1	5210	18.05	≤23.98	PASS
	Ant2	5210	17.57	≤23.98	PASS
	total	5210	20.83	≤23.98	PASS
	Ant1	5775	18.36	≤30.00	PASS
	Ant2	5775	18.34	≤30.00	PASS
	total	5775	21.36	≤30.00	PASS
11AX20MIMO	Ant1	5180	18.36	≤23.98	PASS

	Ant2	5180	18.17	≤23.98	PASS
	total	5180	21.28	≤23.98	PASS
	Ant1	5200	18.16	≤23.98	PASS
	Ant2	5200	18.06	≤23.98	PASS
	total	5200	21.12	≤23.98	PASS
	Ant1	5240	18.19	≤23.98	PASS
	Ant2	5240	18.41	≤23.98	PASS
	total	5240	21.31	≤23.98	PASS
	Ant1	5745	18.56	≤30.00	PASS
	Ant2	5745	18.45	≤30.00	PASS
	total	5745	21.52	≤30.00	PASS
	Ant1	5785	18.36	≤30.00	PASS
	Ant2	5785	18.59	≤30.00	PASS
	total	5785	21.49	≤30.00	PASS
	Ant1	5825	18.20	≤30.00	PASS
	Ant2	5825	18.67	≤30.00	PASS
	total	5825	21.45	≤30.00	PASS
11AX40MIMO	Ant1	5190	18.92	≤23.98	PASS
	Ant2	5190	17.78	≤23.98	PASS
	total	5190	21.40	≤23.98	PASS
	Ant1	5230	18.51	≤23.98	PASS
	Ant2	5230	17.55	≤23.98	PASS
	total	5230	21.07	≤23.98	PASS
	Ant1	5755	18.64	≤30.00	PASS
	Ant2	5755	17.85	≤30.00	PASS
	total	5755	21.27	≤30.00	PASS
	Ant1	5795	18.32	≤30.00	PASS
11AX80MIMO	Ant2	5795	17.94	≤30.00	PASS
	total	5795	21.14	≤30.00	PASS
	Ant1	5210	18.45	≤23.98	PASS
	Ant2	5210	17.44	≤23.98	PASS
	total	5210	20.98	≤23.98	PASS
	Ant1	5775	18.21	≤30.00	PASS
	Ant2	5775	17.68	≤30.00	PASS
	total	5775	20.96	≤30.00	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

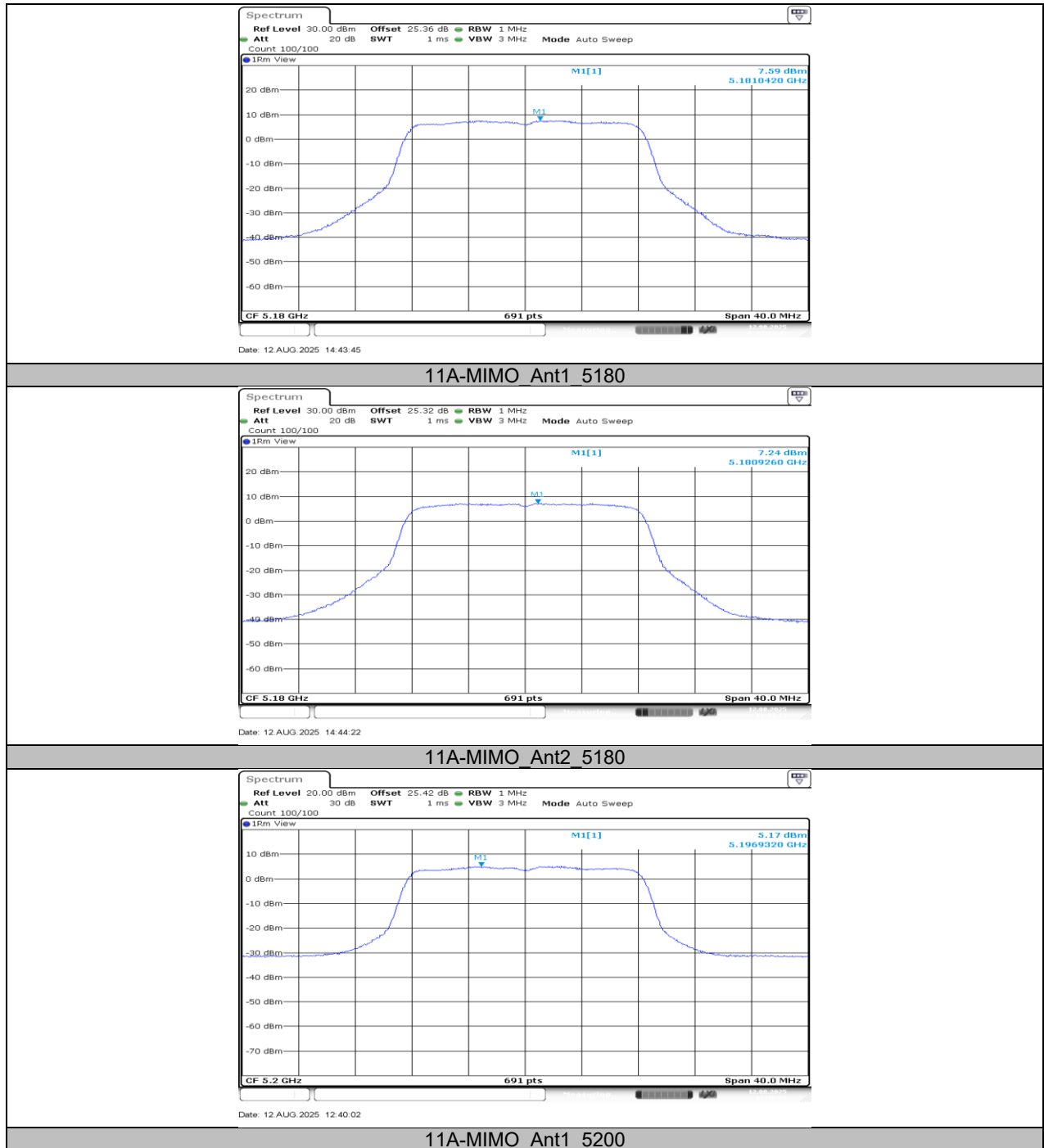
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-MIMO	Ant1	5180	7.59	≤11.00	PASS
	Ant2	5180	7.24	≤11.00	PASS
	total	5180	10.43	≤11.00	PASS
	Ant1	5200	5.17	≤11.00	PASS
	Ant2	5200	4.88	≤11.00	PASS
	total	5200	8.04	≤11.00	PASS
	Ant1	5240	6.92	≤11.00	PASS
	Ant2	5240	6.87	≤11.00	PASS
	total	5240	9.91	≤11.00	PASS
	Ant1	5745	5.57	≤30.00	PASS
	Ant2	5745	5.38	≤30.00	PASS
	total	5745	8.49	≤30.00	PASS
	Ant1	5785	5.24	≤30.00	PASS
	Ant2	5785	5.44	≤30.00	PASS
	total	5785	8.35	≤30.00	PASS
	Ant1	5825	5.93	≤30.00	PASS
	Ant2	5825	6.26	≤30.00	PASS
	total	5825	9.11	≤30.00	PASS
11N20MIMO	Ant1	5180	7.01	≤11.00	PASS
	Ant2	5180	6.94	≤11.00	PASS
	total	5180	9.99	≤11.00	PASS
	Ant1	5200	6.90	≤11.00	PASS
	Ant2	5200	6.77	≤11.00	PASS
	total	5200	9.85	≤11.00	PASS
	Ant1	5240	6.88	≤11.00	PASS
	Ant2	5240	7.08	≤11.00	PASS
	total	5240	9.99	≤11.00	PASS
	Ant1	5745	4.25	≤30.00	PASS
	Ant2	5745	4.46	≤30.00	PASS
	total	5745	7.37	≤30.00	PASS
	Ant1	5785	4.13	≤30.00	PASS
	Ant2	5785	4.56	≤30.00	PASS
	total	5785	7.36	≤30.00	PASS
	Ant1	5825	3.82	≤30.00	PASS
	Ant2	5825	4.45	≤30.00	PASS
	total	5825	7.16	≤30.00	PASS
11N40MIMO	Ant1	5190	4.61	≤11.00	PASS
	Ant2	5190	3.85	≤11.00	PASS
	total	5190	7.26	≤11.00	PASS
	Ant1	5230	4.15	≤11.00	PASS
	Ant2	5230	3.58	≤11.00	PASS
	total	5230	6.88	≤11.00	PASS
	Ant1	5755	1.79	≤30.00	PASS
	Ant2	5755	1.61	≤30.00	PASS
	total	5755	4.71	≤30.00	PASS
	Ant1	5795	1.55	≤30.00	PASS
	Ant2	5795	1.71	≤30.00	PASS
	total	5795	4.64	≤30.00	PASS
11AC80MIMO	Ant1	5210	0.78	≤11.00	PASS
	Ant2	5210	0.12	≤11.00	PASS
	total	5210	3.47	≤11.00	PASS
	Ant1	5775	-1.96	≤30.00	PASS
	Ant2	5775	-1.89	≤30.00	PASS
	total	5775	1.09	≤30.00	PASS
11AX20MIMO	Ant1	5180	7.19	≤11.00	PASS

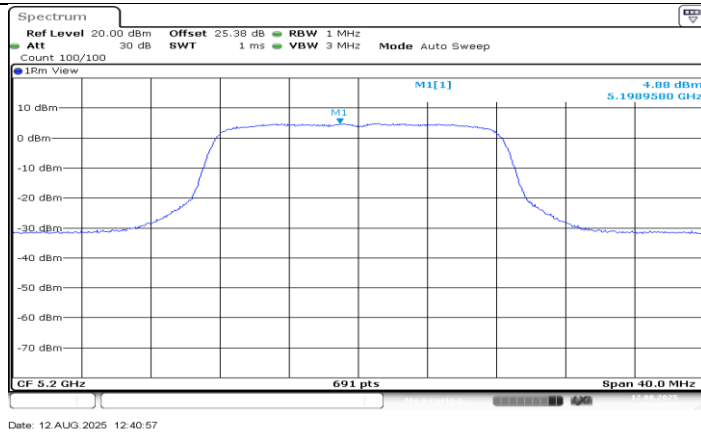
	Ant2	5180	6.86	≤ 11.00	PASS
	total	5180	10.04	≤ 11.00	PASS
	Ant1	5200	6.89	≤ 11.00	PASS
	Ant2	5200	6.69	≤ 11.00	PASS
	total	5200	9.80	≤ 11.00	PASS
	Ant1	5240	6.92	≤ 11.00	PASS
	Ant2	5240	7.05	≤ 11.00	PASS
	total	5240	10.00	≤ 11.00	PASS
	Ant1	5745	4.25	≤ 30.00	PASS
	Ant2	5745	4.39	≤ 30.00	PASS
	total	5745	7.33	≤ 30.00	PASS
	Ant1	5785	4.03	≤ 30.00	PASS
	Ant2	5785	4.65	≤ 30.00	PASS
	total	5785	7.36	≤ 30.00	PASS
	Ant1	5825	4.22	≤ 30.00	PASS
	Ant2	5825	4.69	≤ 30.00	PASS
	total	5825	7.47	≤ 30.00	PASS
11AX40MIMO	Ant1	5190	4.89	≤ 11.00	PASS
	Ant2	5190	3.51	≤ 11.00	PASS
	total	5190	7.26	≤ 11.00	PASS
	Ant1	5230	4.39	≤ 11.00	PASS
	Ant2	5230	3.21	≤ 11.00	PASS
	total	5230	6.85	≤ 11.00	PASS
	Ant1	5755	1.29	≤ 30.00	PASS
	Ant2	5755	0.96	≤ 30.00	PASS
	total	5755	4.14	≤ 30.00	PASS
	Ant1	5795	1.22	≤ 30.00	PASS
	Ant2	5795	0.99	≤ 30.00	PASS
	total	5795	4.12	≤ 30.00	PASS
11AX80MIMO	Ant1	5210	1.14	≤ 11.00	PASS
	Ant2	5210	0.08	≤ 11.00	PASS
	total	5210	3.65	≤ 11.00	PASS
	Ant1	5775	-2.11	≤ 30.00	PASS
	Ant2	5775	-2.65	≤ 30.00	PASS
	total	5775	0.64	≤ 30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

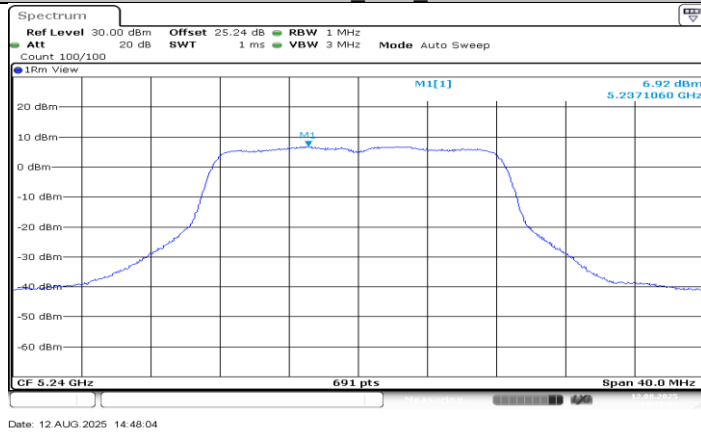
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5.2. Test Graphs

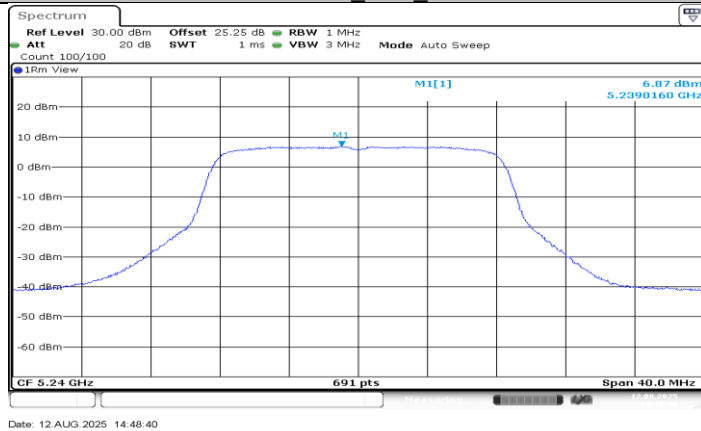




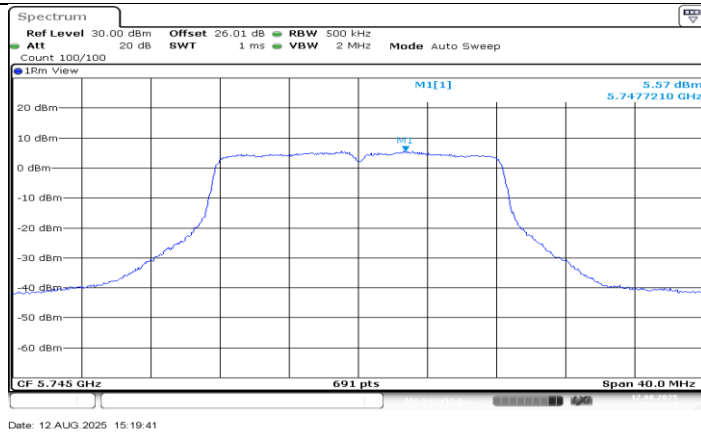
11A-MIMO_Ant2_5200



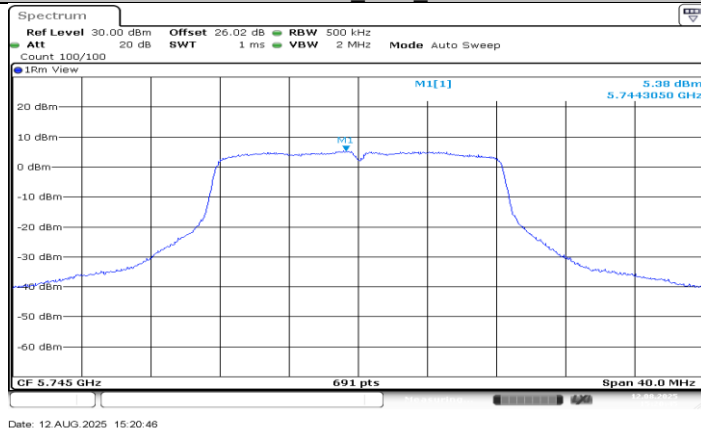
11A-MIMO_Ant1_5240



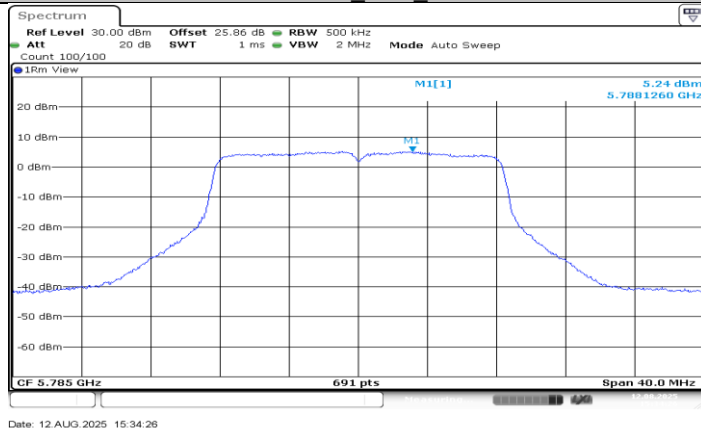
11A-MIMO_Ant2_5240



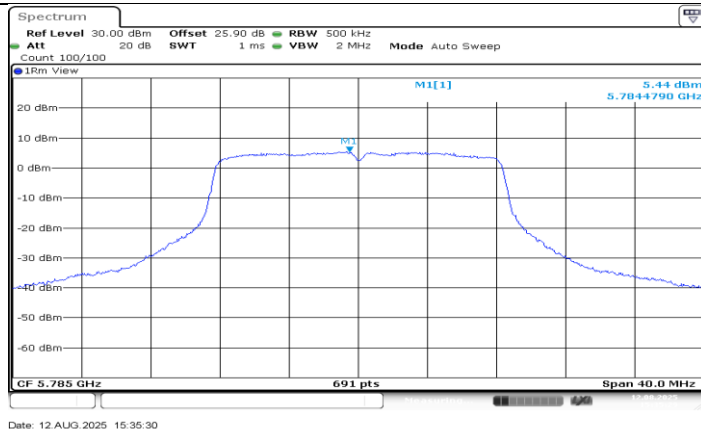
11A-MIMO_Ant1_5745



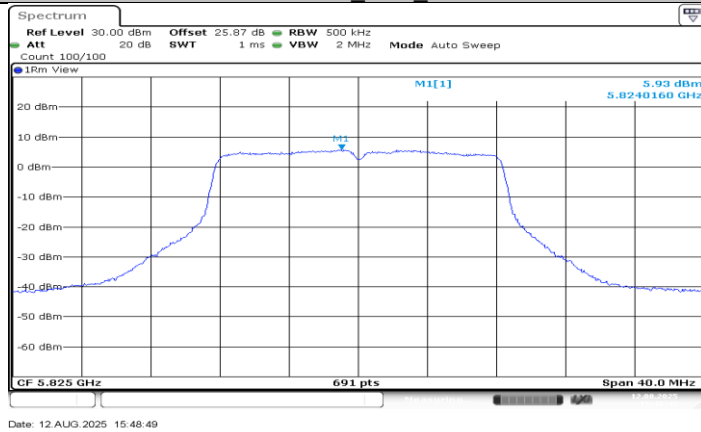
11A-MIMO_Ant2_5745



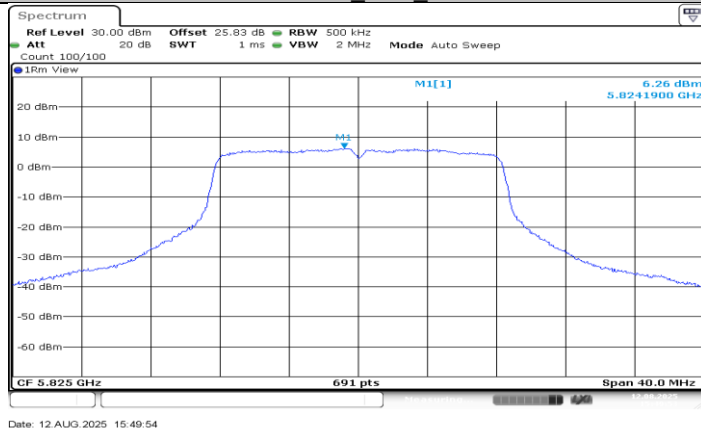
11A-MIMO_Ant1_5785



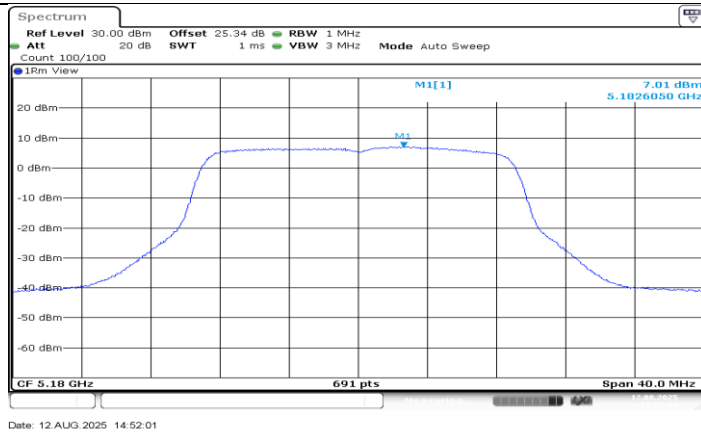
11A-MIMO_Ant2_5785



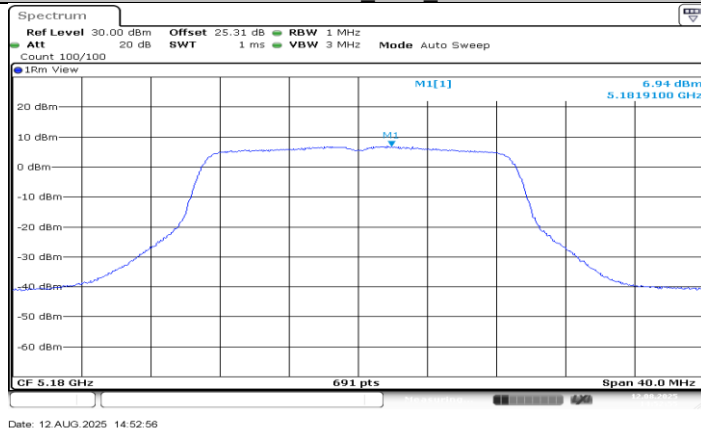
11A-MIMO_Ant1_5825



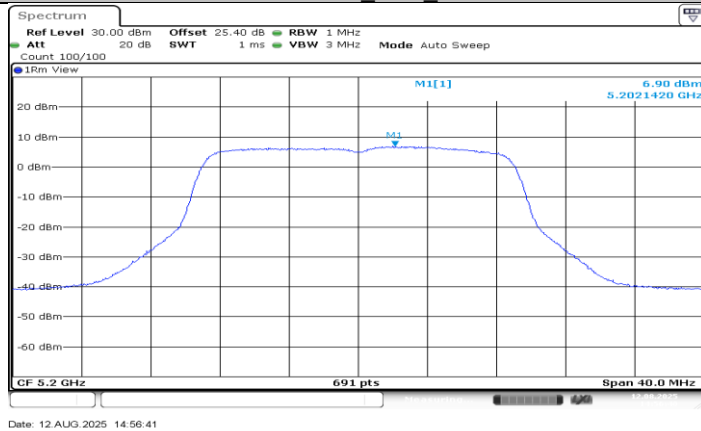
11A-MIMO_Ant2_5825



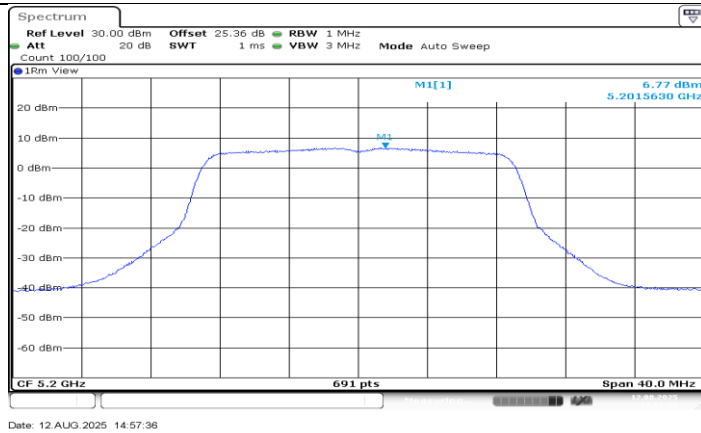
11N20MIMO_Ant1_5180



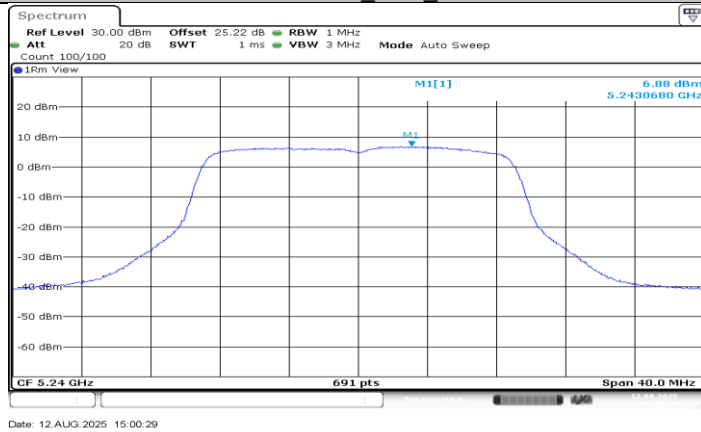
11N20MIMO_Ant2_5180



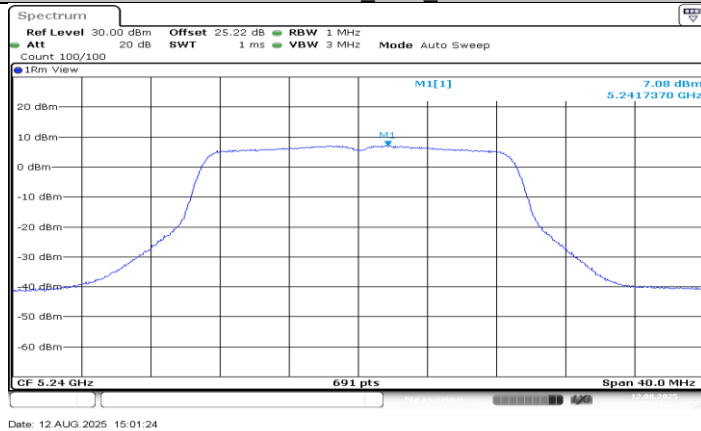
11N20MIMO_Ant1_5200



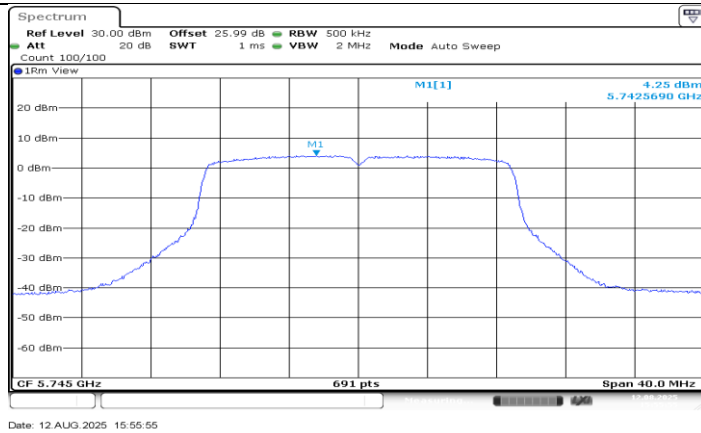
11N20MIMO_Ant2_5200



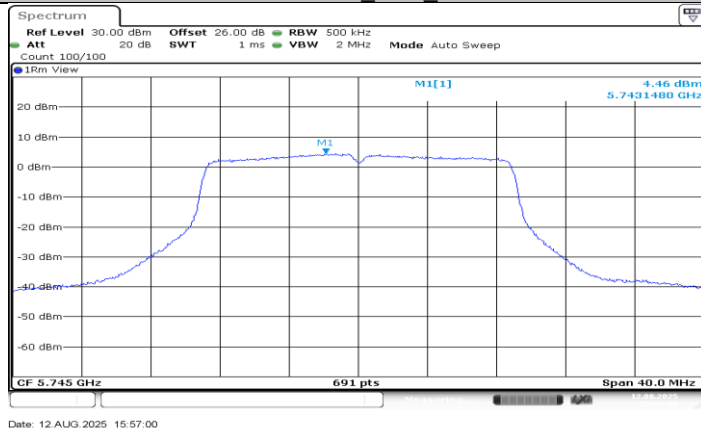
11N20MIMO_Ant1_5240



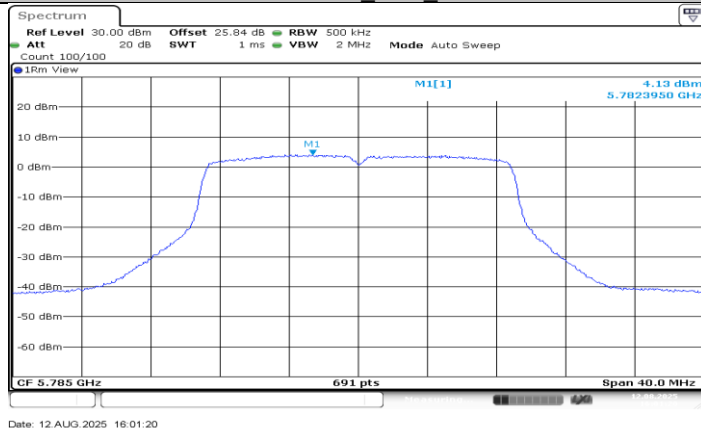
11N20MIMO_Ant2_5240



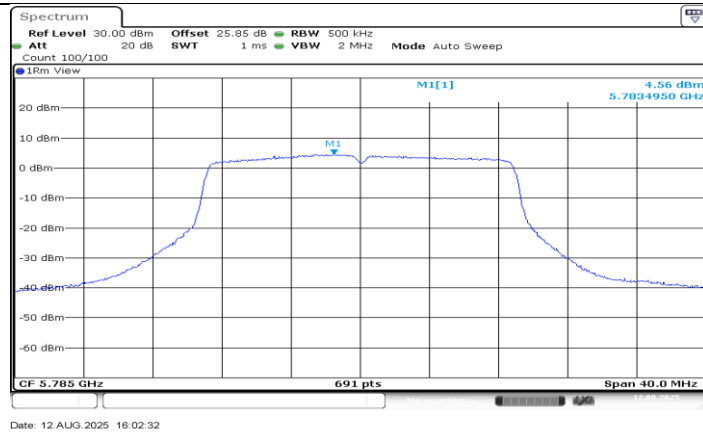
11N20MIMO_Ant1_5745



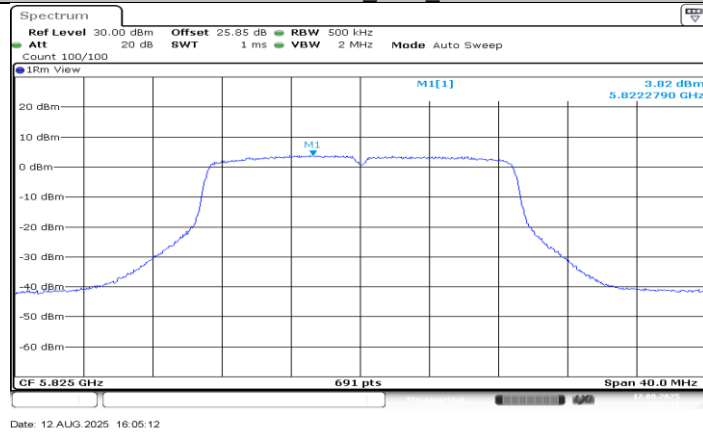
11N20MIMO_Ant2_5745



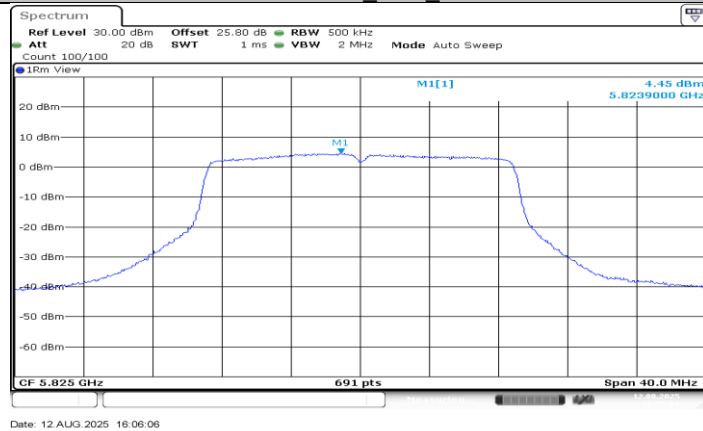
11N20MIMO_Ant1_5785



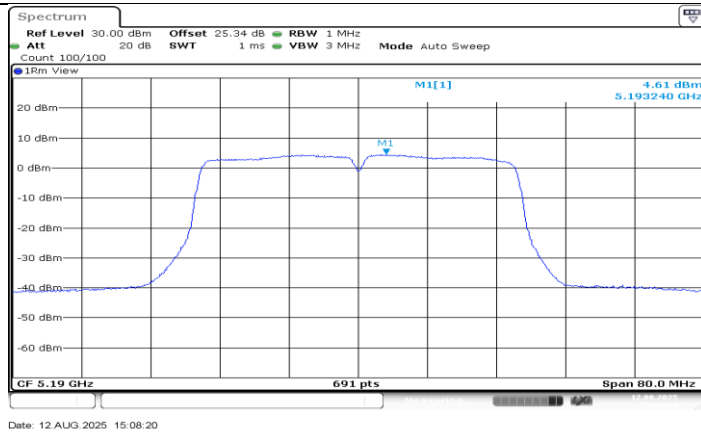
11N20MIMO_Ant2_5785



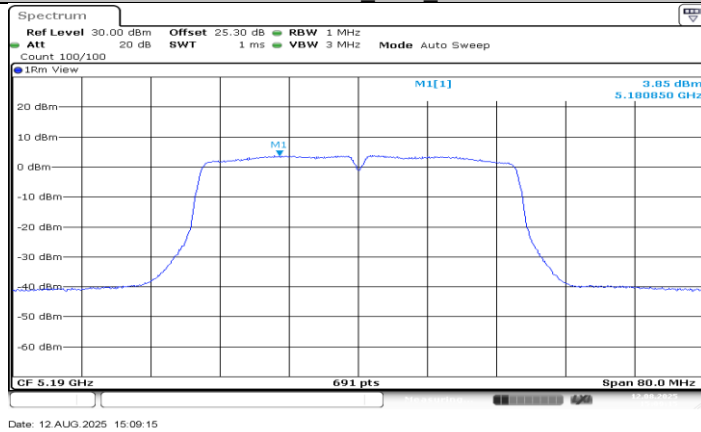
11N20MIMO_Ant1_5825



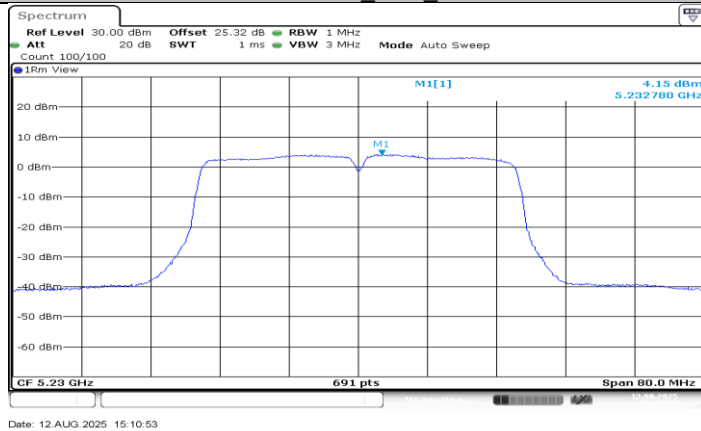
11N20MIMO_Ant2_5825



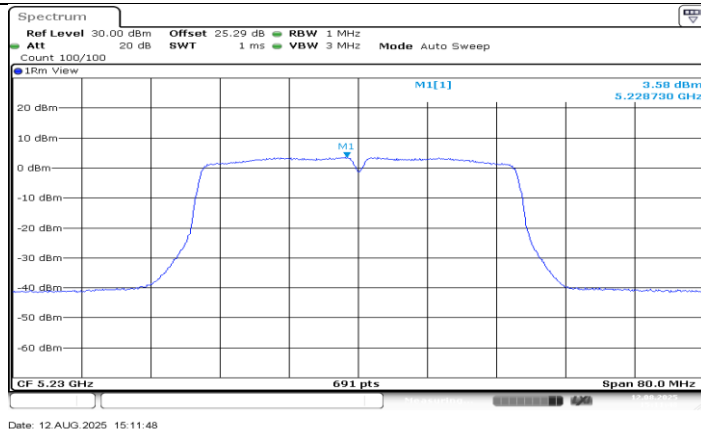
11N40MIMO_Ant1_5190



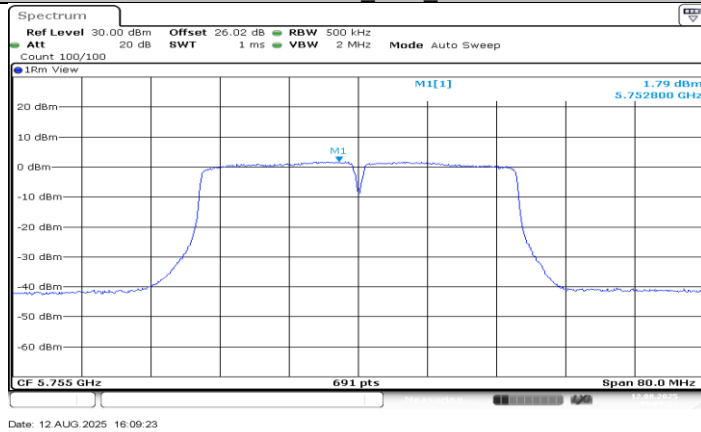
11N40MIMO_Ant2_5190



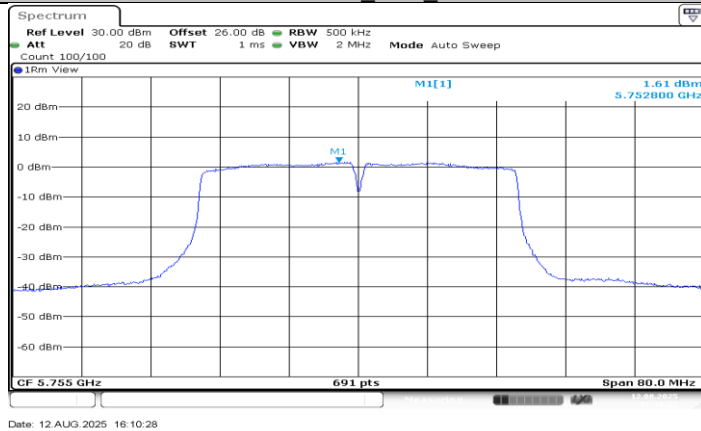
11N40MIMO_Ant1_5230



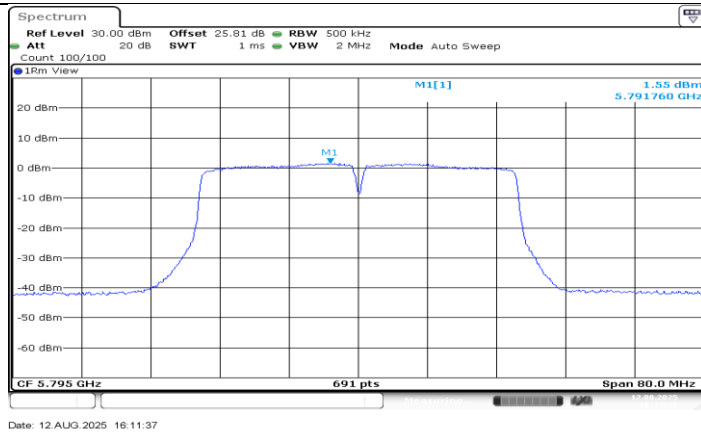
11N40MIMO_Ant2_5230



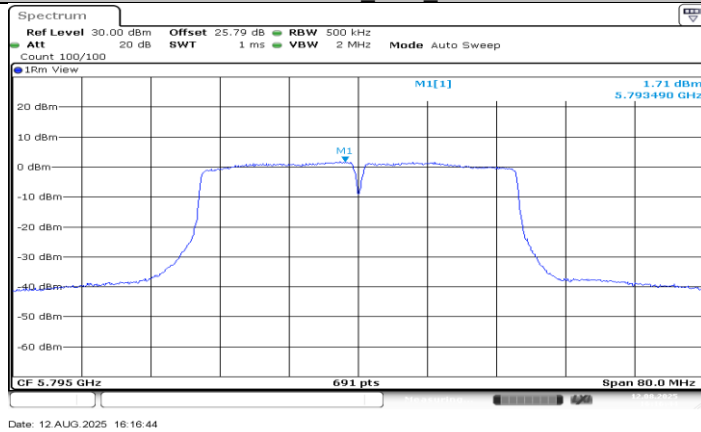
11N40MIMO_Ant1_5755



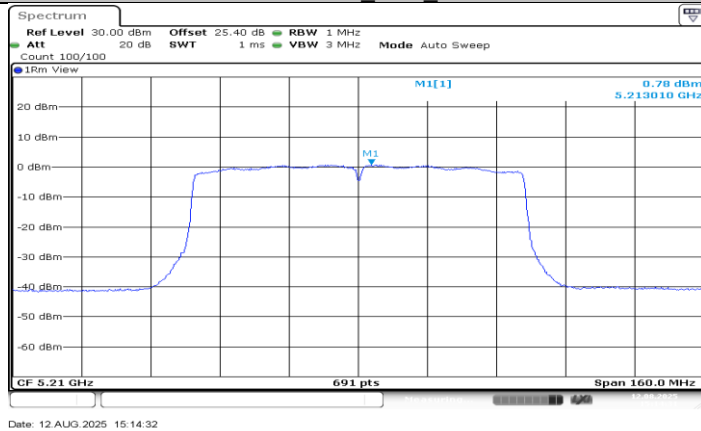
11N40MIMO_Ant2_5755



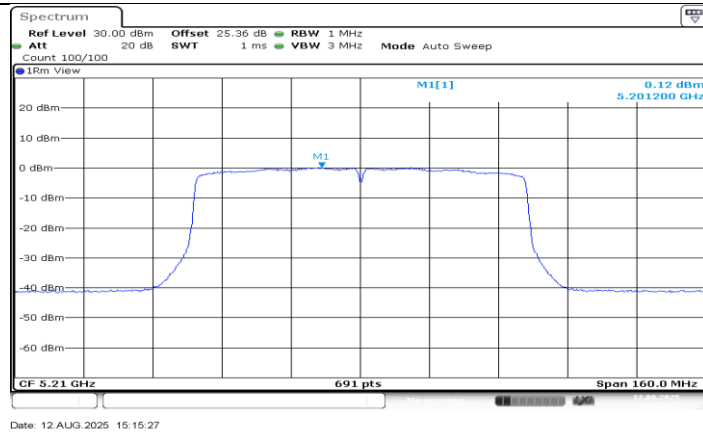
11N40MIMO_Ant1_5795



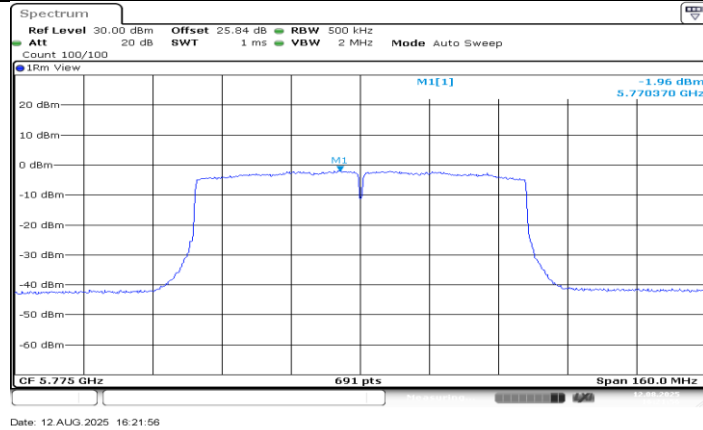
11N40MIMO_Ant2_5795



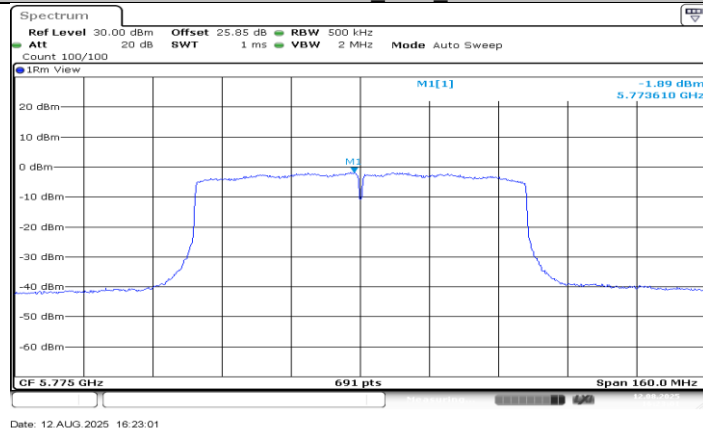
11AC80MIMO_Ant1_5210



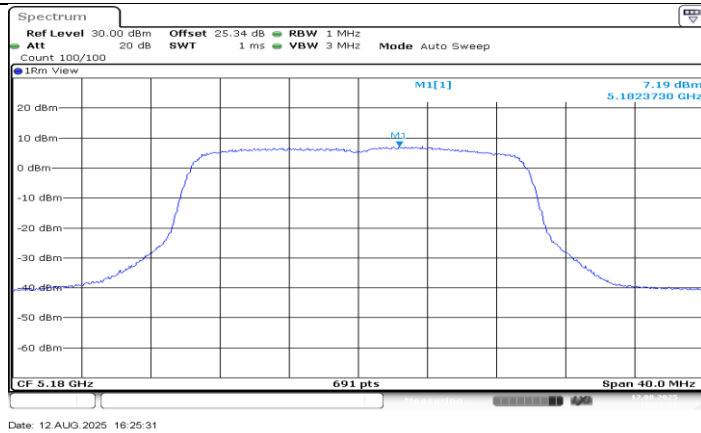
11AC80MIMO_Ant2_5210



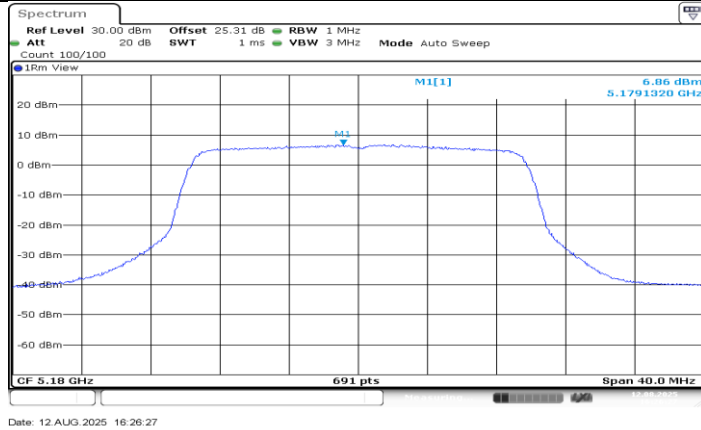
11AC80MIMO_Ant1_5775



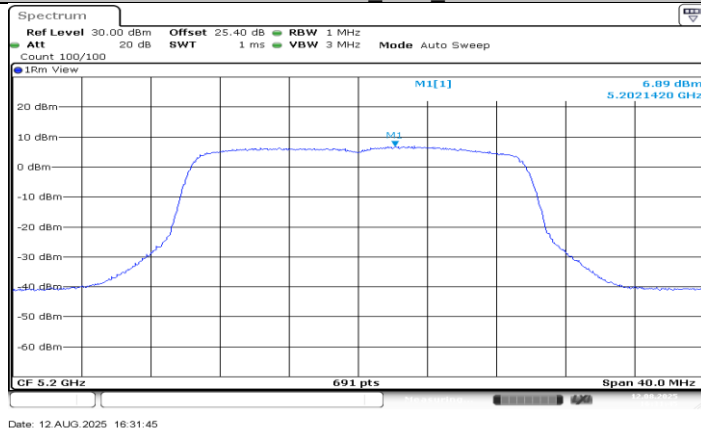
11AC80MIMO_Ant2_5775



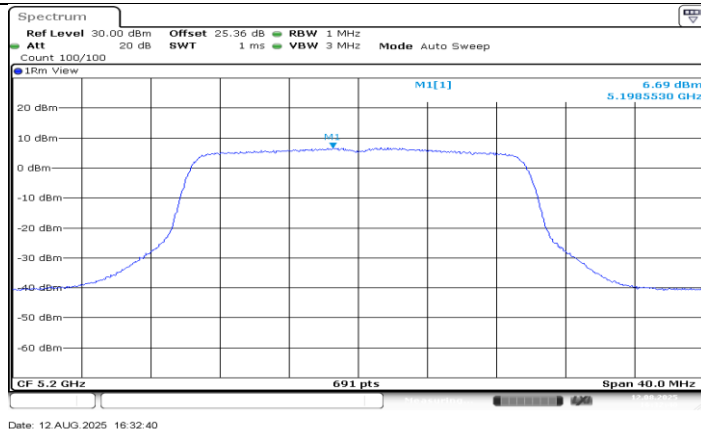
11AX20MIMO_Ant1_5180



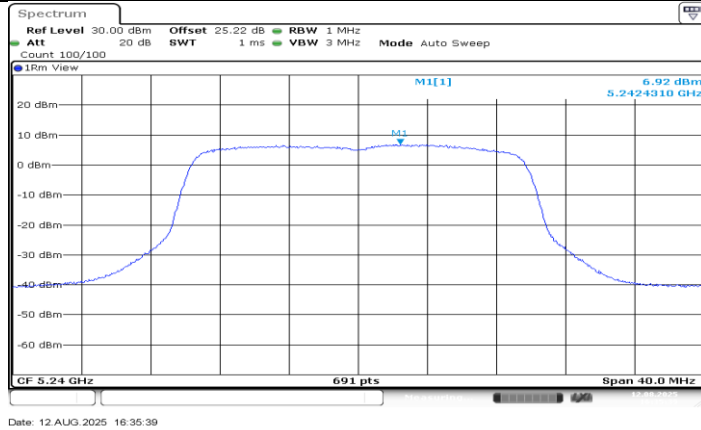
11AX20MIMO_Ant2_5180



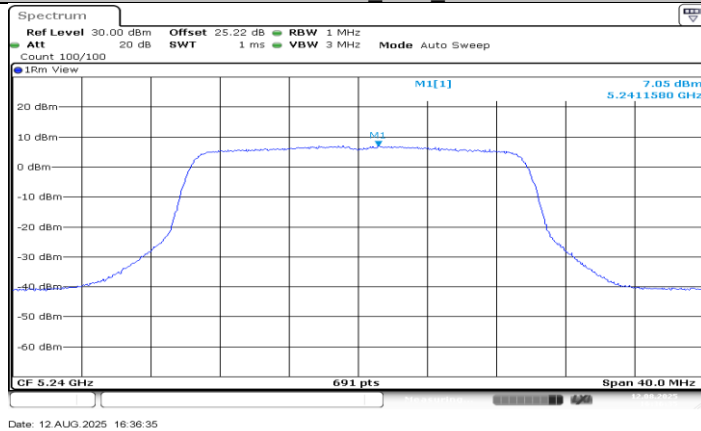
11AX20MIMO_Ant1_5200



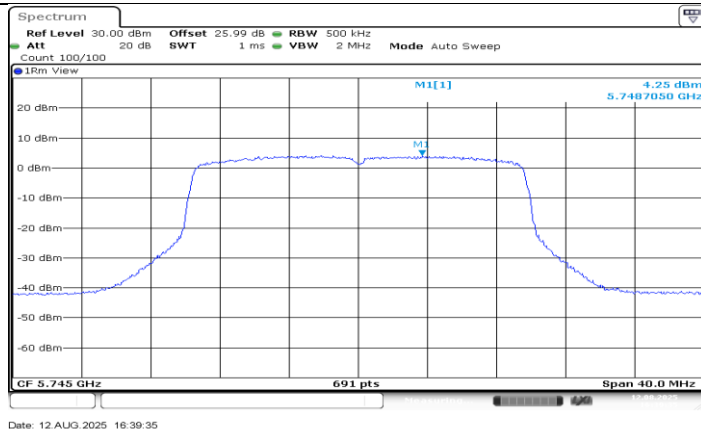
11AX20MIMO_Ant2_5200



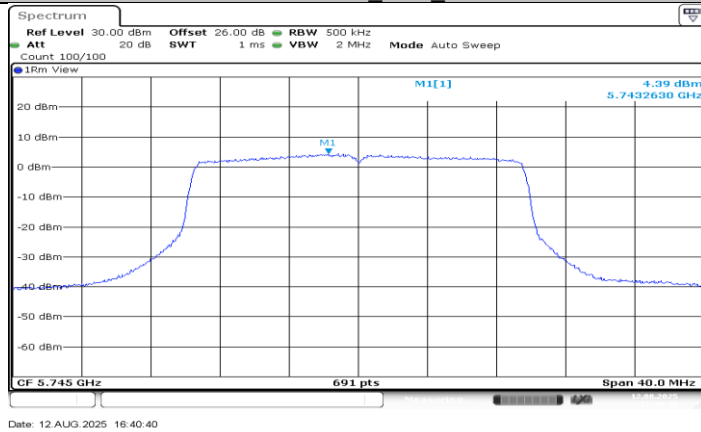
11AX20MIMO_Ant1_5240



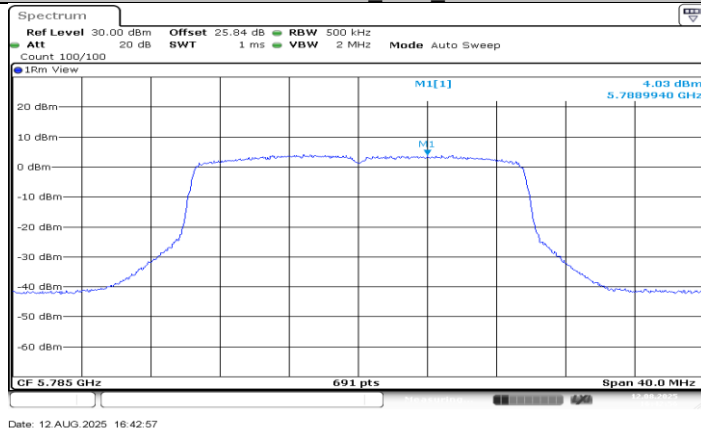
11AX20MIMO_Ant2_5240



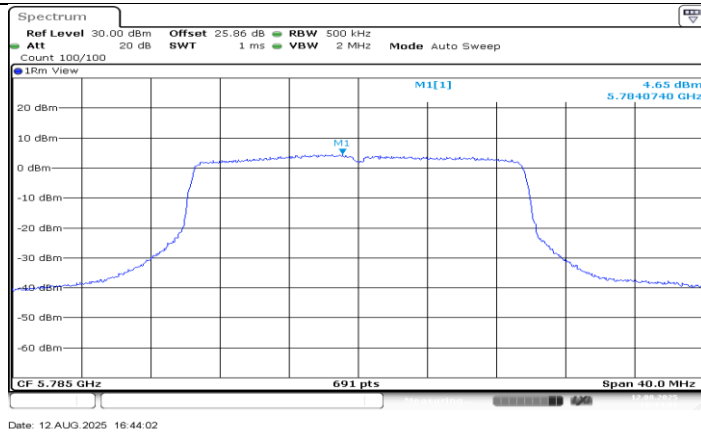
11AX20MIMO_Ant1_5745



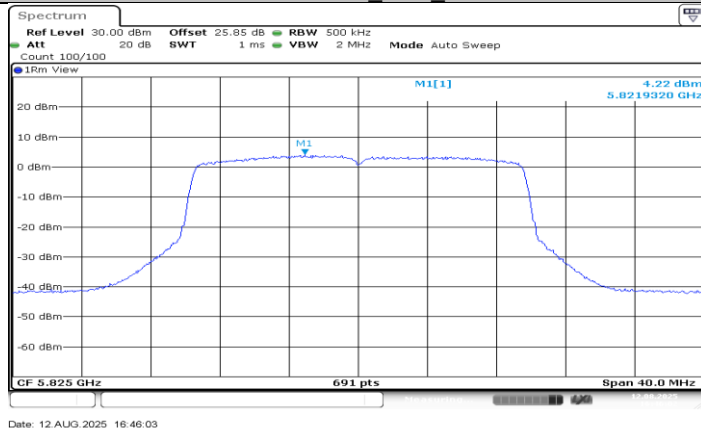
11AX20MIMO_Ant2_5745



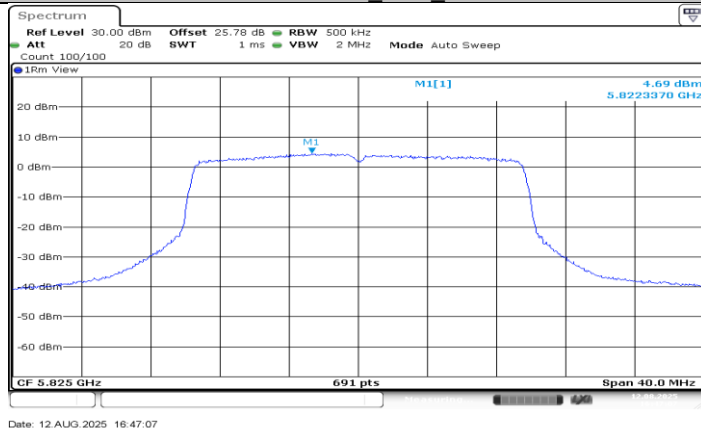
11AX20MIMO_Ant1_5785



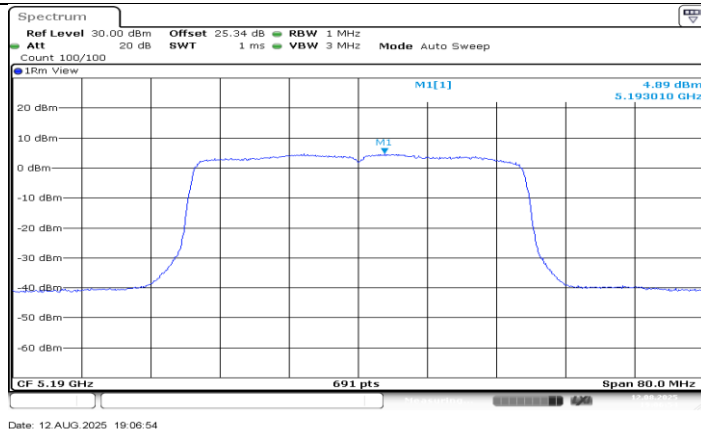
11AX20MIMO_Ant2_5785



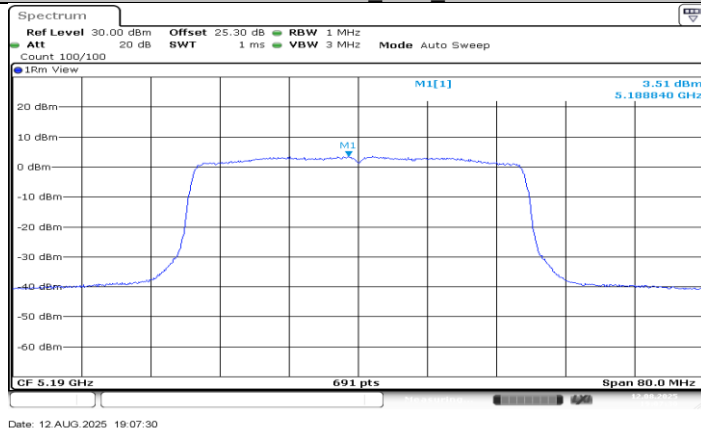
11AX20MIMO_Ant1_5825



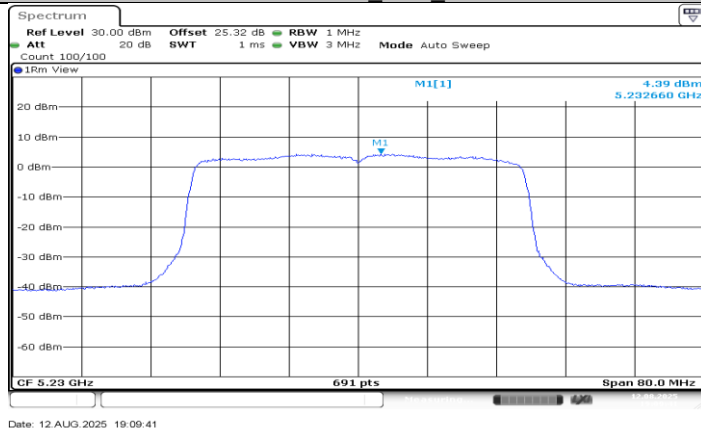
11AX20MIMO_Ant2_5825



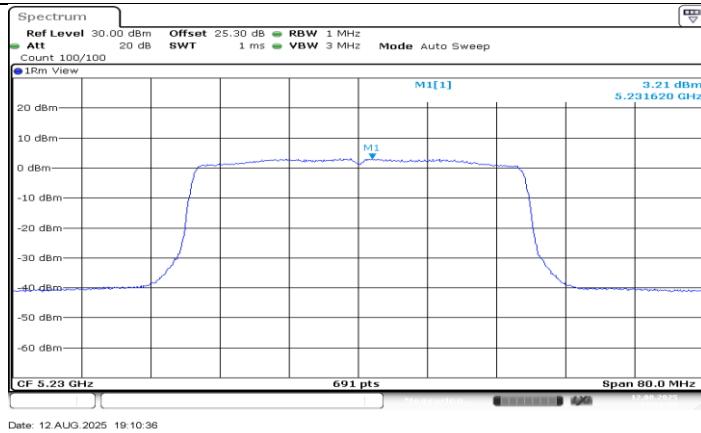
11AX40MIMO_Ant1_5190



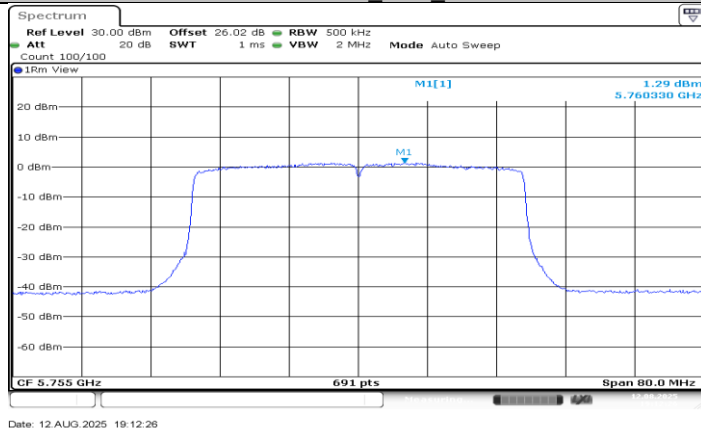
11AX40MIMO_Ant2_5190



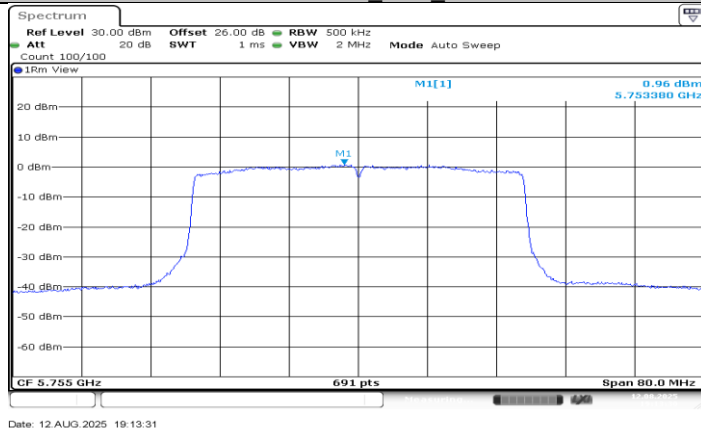
11AX40MIMO_Ant1_5230



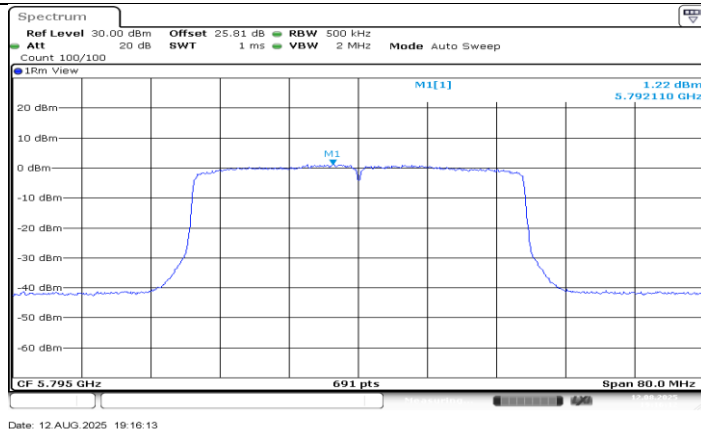
11AX40MIMO_Ant2_5230



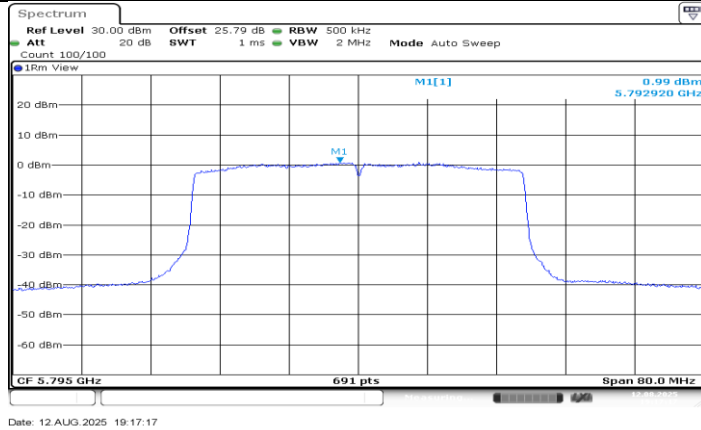
11AX40MIMO_Ant1_5755



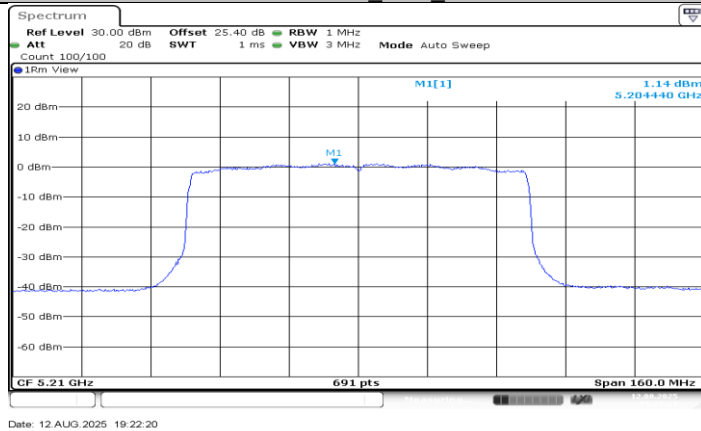
11AX40MIMO_Ant2_5755



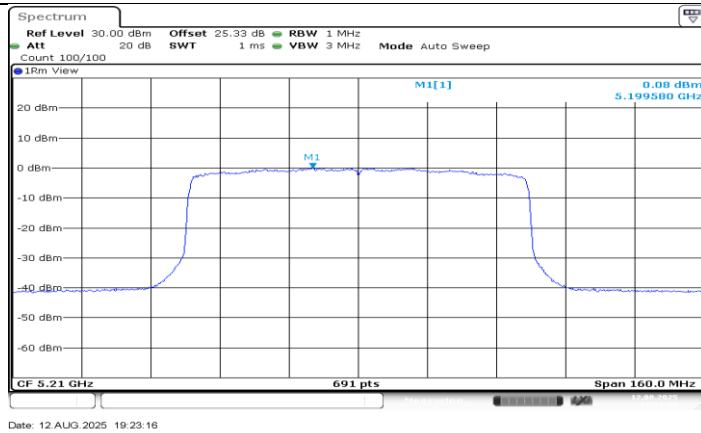
11AX40MIMO_Ant1_5795



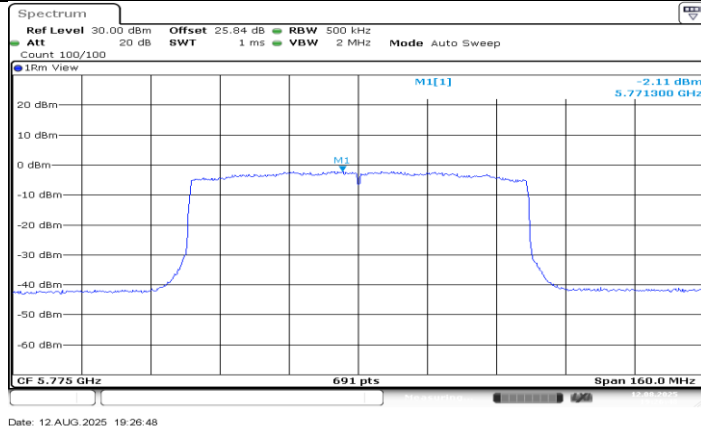
11AX40MIMO_Ant2_5795



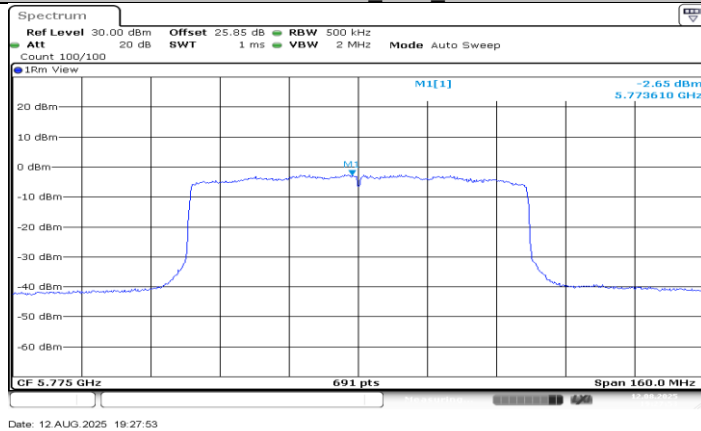
11AX80MIMO_Ant1_5210



11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

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	5824.9835	-2.83	5825.0054	0.92	5825.0131	2.25	5825.0155	2.66
TN	VN	5824.9855	-2.48	5824.9864	-2.34	5825.0135	2.32	5825.0175	3.01
TN	VH	5824.9954	-0.80	5824.9892	-1.86	5825.0139	2.39	5824.9776	-3.85
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	5824.9999	-0.02	5824.9762	-4.09	5825.0058	1.00	5824.9769	-3.97
30	VN	5824.9765	-4.04	5824.9905	-1.62	5824.9890	-1.89	5825.0055	0.94
20	VN	5825.0210	3.61	5824.9901	-1.70	5825.0045	0.77	5825.0049	0.85
10	VN	5824.9929	-1.22	5825.0206	3.53	5824.9911	-1.52	5824.9971	-0.49
0	VN	5825.0074	1.27	5824.9910	-1.54	5824.9951	-0.85	5825.0214	3.67
-10	VN	5824.9923	-1.33	5824.9992	-0.14	5824.9853	-2.53	5824.9817	-3.14
-20	VN	5825.0247	4.24	5825.0183	3.14	5825.0041	0.71	5825.0070	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.

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-MIMO	1.96	1.98	0.9899	98.99	0.04	0.51	0.01
11N20MIMO	5.41	5.43	0.9963	99.63	0.02	0.18	0.01
11N40MIMO	5.42	5.44	0.9963	99.63	0.02	0.18	0.01
11AC80MIMO	5.41	5.43	0.9963	99.63	0.02	0.18	0.01
11AX20MIMO	5.43	5.45	0.9963	99.63	0.02	0.18	0.01
11AX40MIMO	5.43	5.45	0.9963	99.63	0.02	0.18	0.01
11AX80MIMO	5.43	5.45	0.9963	99.63	0.02	0.18	0.01

Note:

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

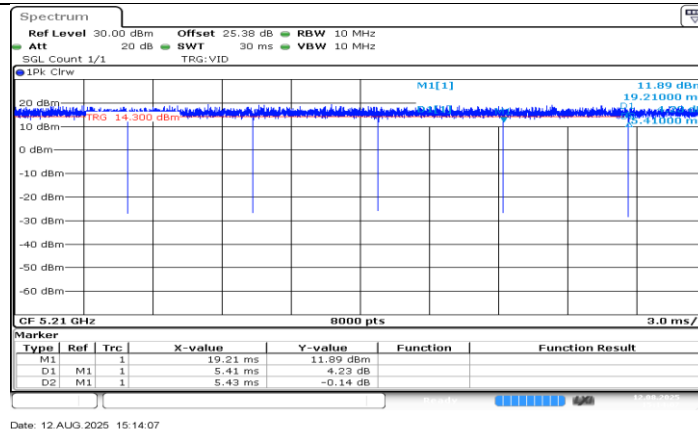
Where: x is Duty Cycle (Linear)

Where: T is On Time

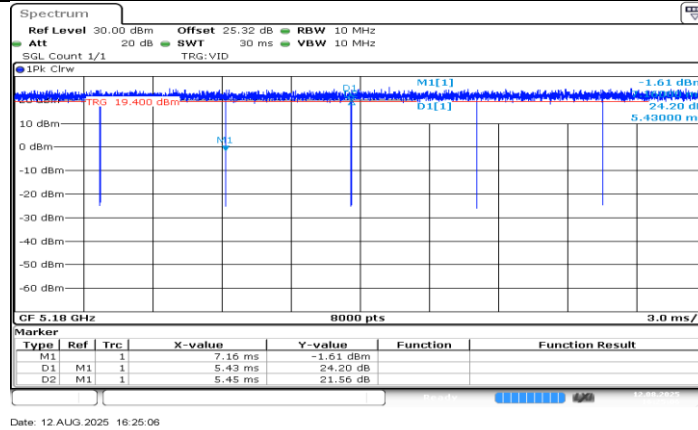
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

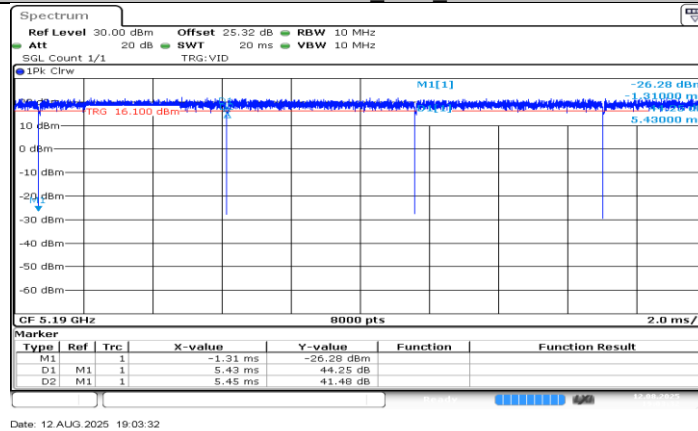




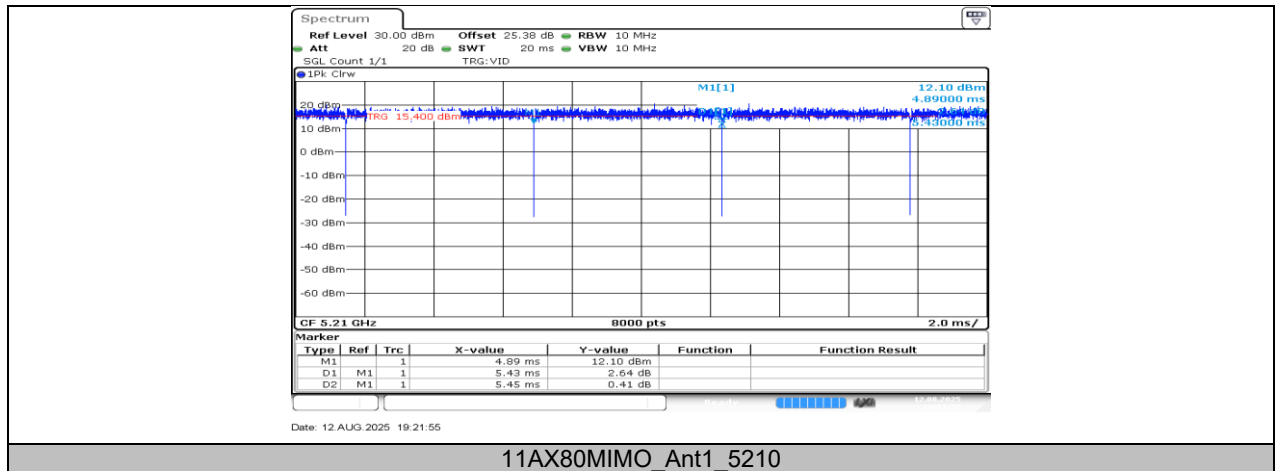
11AC80MIMO_Ant1_5210



11AX20MIMO_Ant1_5180



11AX40MIMO_Ant1_5190



END OF REPORT