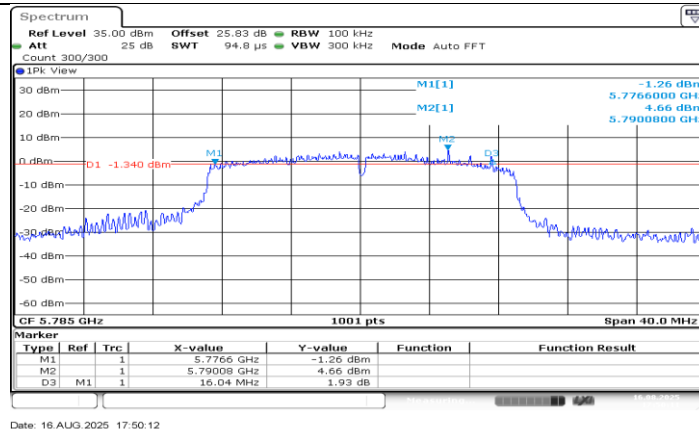
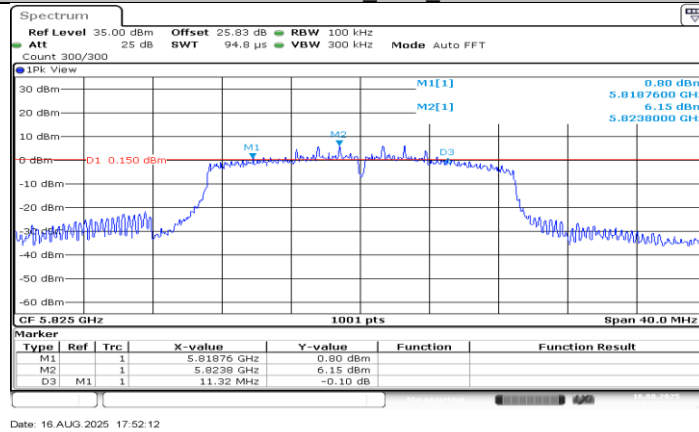
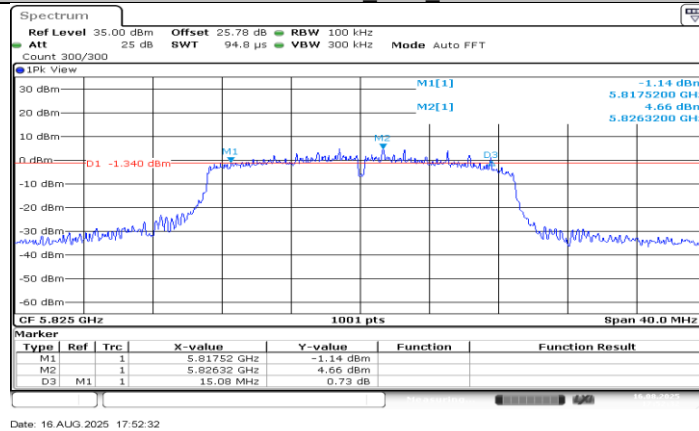




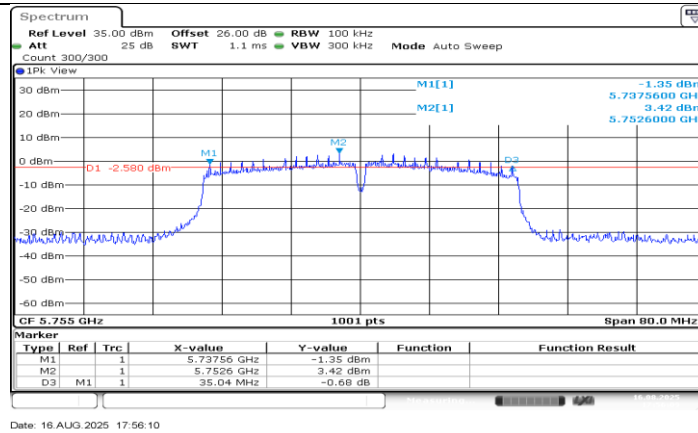
11N20MIMO_Ant3_5785



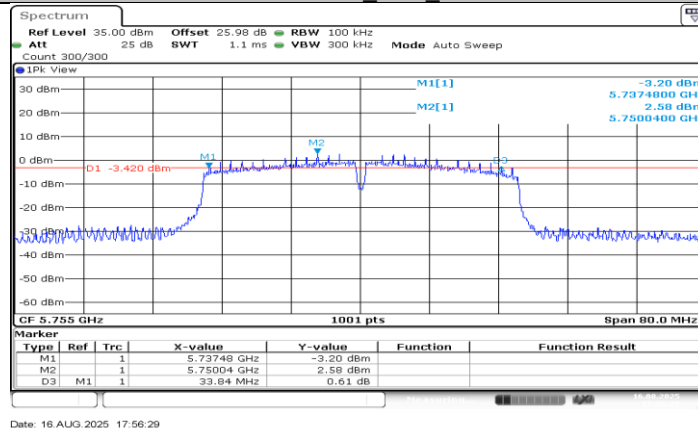
11N20MIMO_Ant1_5825



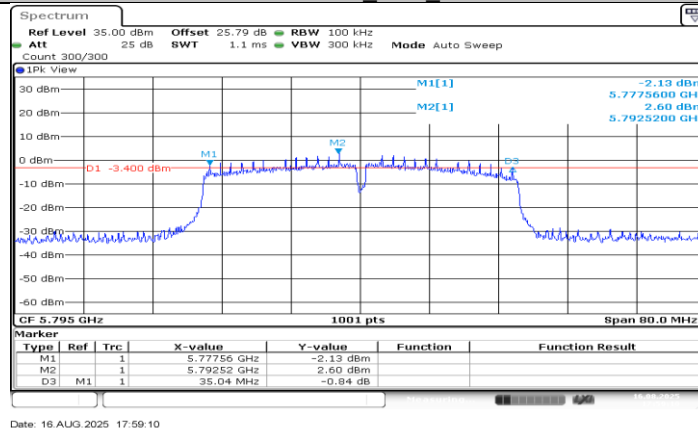
11N20MIMO_Ant3_5825



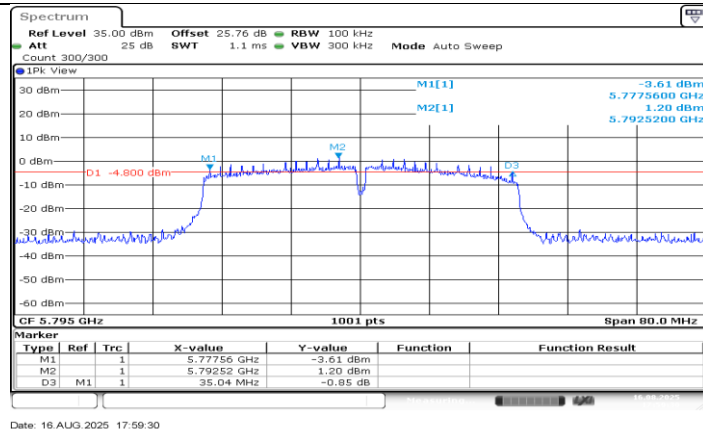
11N40MIMO_Ant1_5755



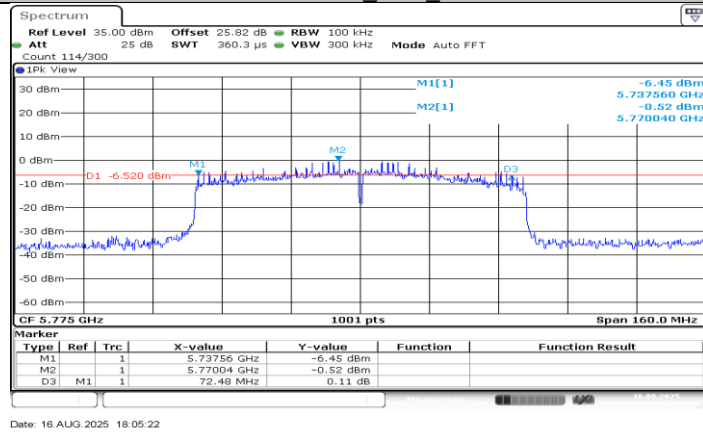
11N40MIMO_Ant3_5755



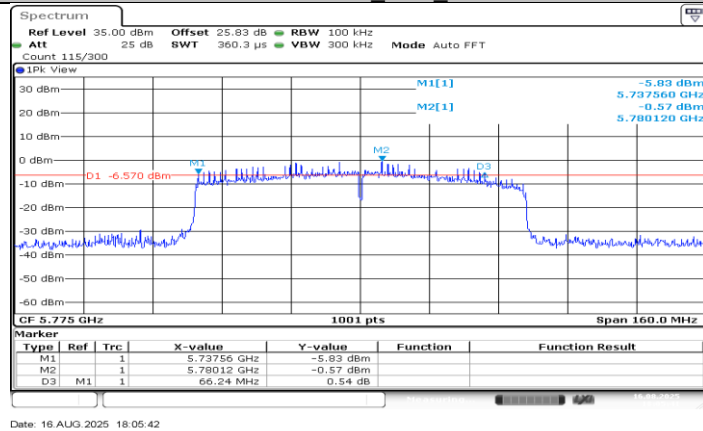
11N40MIMO_Ant1_5795



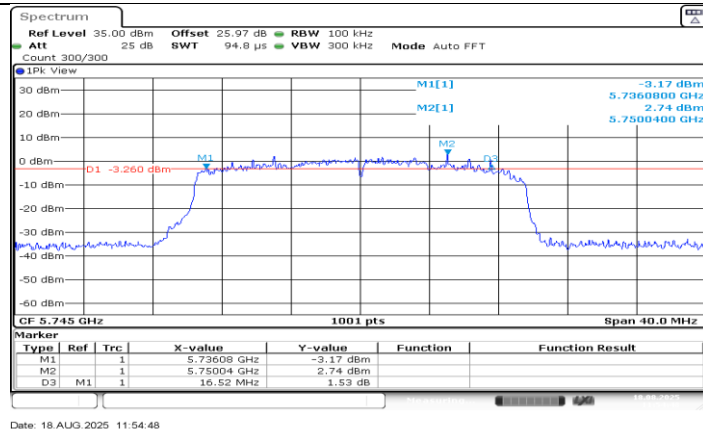
11N40MIMO_Ant3_5795



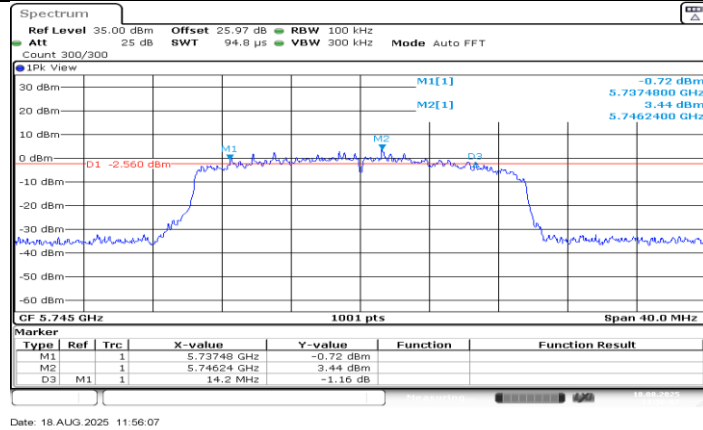
11AC80MIMO_Ant1_5775



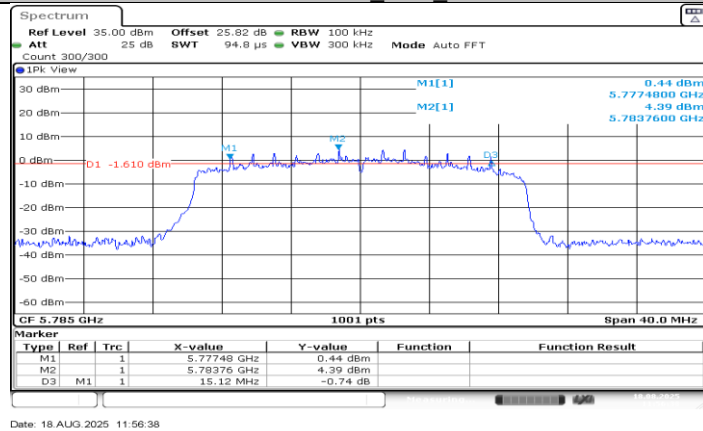
11AC80MIMO_Ant3_5775



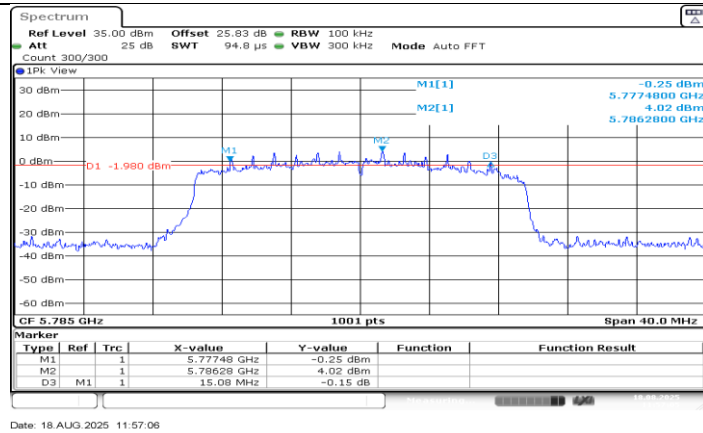
11AX20MIMO_Ant1_5745



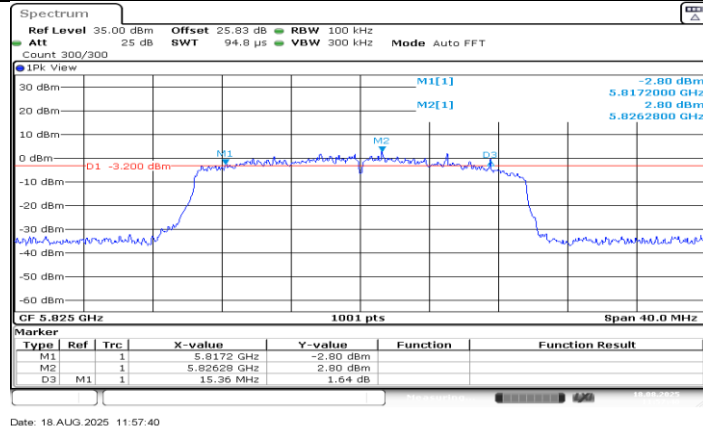
11AX20MIMO_Ant3_5745



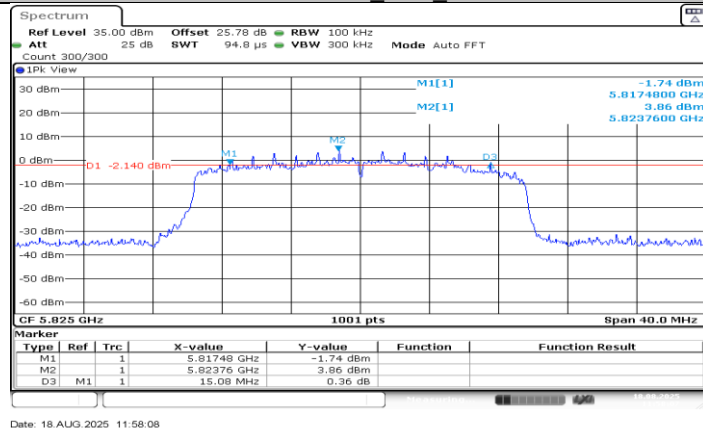
11AX20MIMO_Ant1_5785



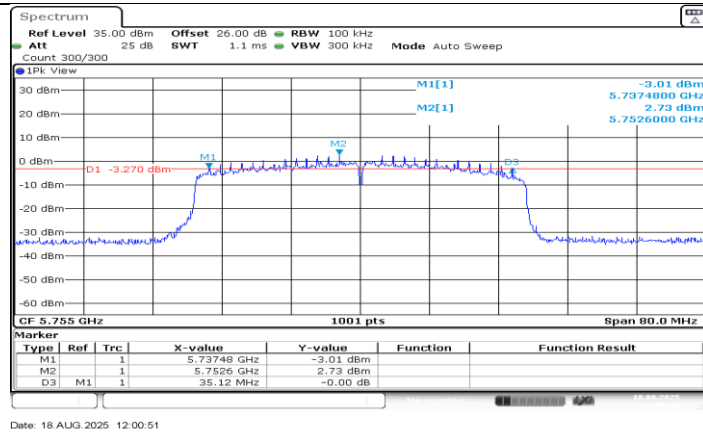
11AX20MIMO_Ant3_5785



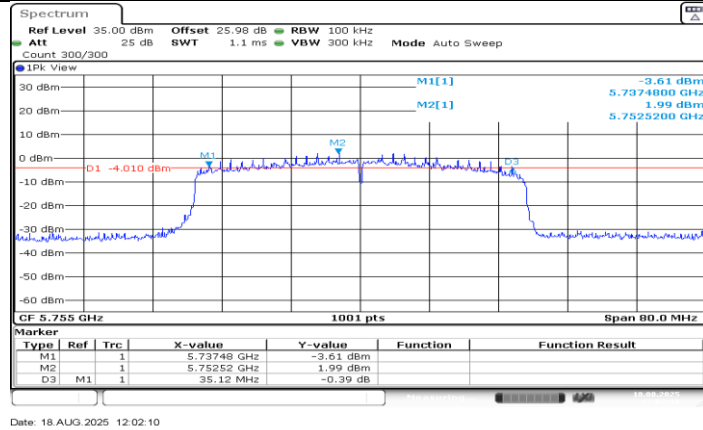
11AX20MIMO_Ant1_5825



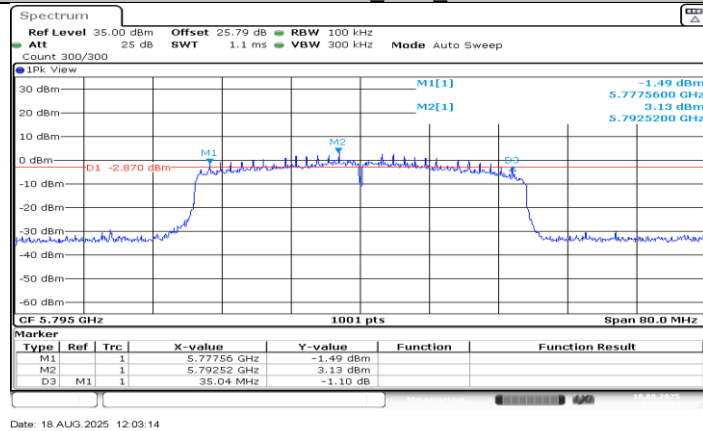
11AX20MIMO_Ant3_5825



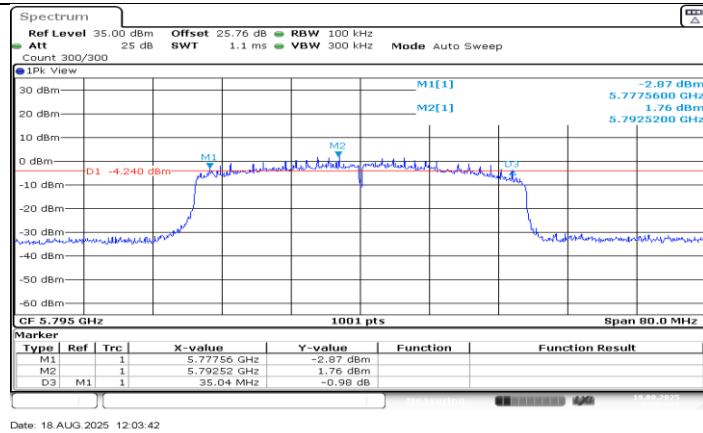
11AX40MIMO_Ant1_5755



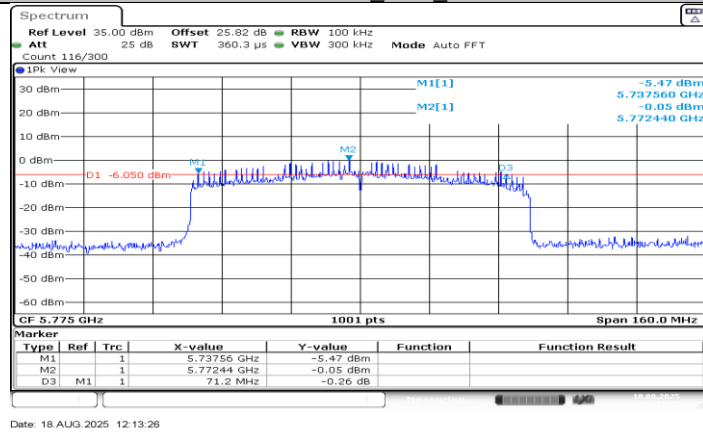
11AX40MIMO_Ant3_5755



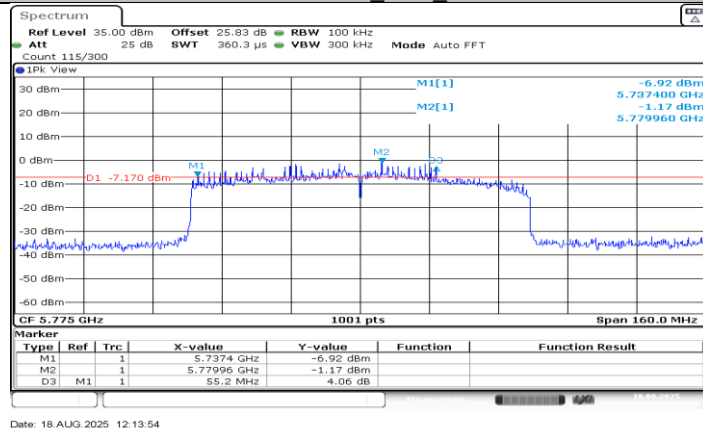
11AX40MIMO_Ant1_5795



11AX40MIMO_Ant3_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant3_5775

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	20.83	≤30.00	≤30.00	22.83	---	PASS
	Ant3	5745	19.23	≤30.00	≤30.00	21.23	---	PASS
	Ant1	5785	20.31	≤30.00	≤30.00	22.31	---	PASS
	Ant3	5785	19.42	≤30.00	≤30.00	21.42	---	PASS
	Ant1	5825	20.28	≤30.00	≤30.00	22.28	---	PASS
	Ant3	5825	19.00	≤30.00	≤30.00	21.00	---	PASS
11N20MIMO	Ant1	5745	19.79	≤30.00	≤30.00	21.79	---	PASS
	Ant3	5745	19.26	≤30.00	≤30.00	21.26	---	PASS
	total	5745	22.54	≤30.00	≤30.00	24.54	---	PASS
	Ant1	5785	20.40	≤30.00	≤30.00	22.40	---	PASS
	Ant3	5785	19.84	≤30.00	≤30.00	21.84	---	PASS
	total	5785	23.14	≤30.00	≤30.00	25.14	---	PASS
	Ant1	5825	19.86	≤30.00	≤30.00	21.86	---	PASS
	Ant3	5825	19.22	≤30.00	≤30.00	21.22	---	PASS
11N40MIMO	total	5825	22.56	≤30.00	≤30.00	24.56	---	PASS
	Ant1	5755	20.32	≤30.00	≤30.00	22.32	---	PASS
	Ant3	5755	20.32	≤30.00	≤30.00	22.32	---	PASS
	total	5755	23.33	≤30.00	≤30.00	25.33	---	PASS
	Ant1	5795	20.77	≤30.00	≤30.00	22.77	---	PASS
	Ant3	5795	20.18	≤30.00	≤30.00	22.18	---	PASS
11AC80MIMO	total	5795	23.50	≤30.00	≤30.00	25.50	---	PASS
	Ant1	5775	17.49	≤30.00	≤30.00	19.49	---	PASS
	Ant3	5775	18.28	≤30.00	≤30.00	20.28	---	PASS
11AX20MIMO	total	5775	20.91	≤30.00	≤30.00	22.91	---	PASS
	Ant1	5745	20.68	≤30.00	≤30.00	22.68	---	PASS
	Ant3	5745	22.87	≤30.00	≤30.00	24.87	---	PASS
	total	5745	24.92	≤30.00	≤30.00	26.92	---	PASS
	Ant1	5785	20.60	≤30.00	≤30.00	22.60	---	PASS
	Ant3	5785	20.32	≤30.00	≤30.00	22.32	---	PASS
	total	5785	23.47	≤30.00	≤30.00	25.47	---	PASS
	Ant1	5825	20.41	≤30.00	≤30.00	22.41	---	PASS
11AX40MIMO	Ant3	5825	20.11	≤30.00	≤30.00	22.11	---	PASS
	total	5825	23.27	≤30.00	≤30.00	25.27	---	PASS
	Ant1	5755	20.00	≤30.00	≤30.00	22.00	---	PASS
	Ant3	5755	20.87	≤30.00	≤30.00	22.87	---	PASS
	total	5755	23.47	≤30.00	≤30.00	25.47	---	PASS
	Ant1	5795	21.08	≤30.00	≤30.00	23.08	---	PASS
11AX80MIMO	Ant3	5795	20.25	≤30.00	≤30.00	22.25	---	PASS
	total	5795	23.70	≤30.00	≤30.00	25.70	---	PASS
	Ant1	5775	20.49	≤30.00	≤30.00	22.49	---	PASS
11AX80MIMO	Ant3	5775	21.25	≤30.00	≤30.00	23.25	---	PASS
	total	5775	23.90	≤30.00	≤30.00	25.90	---	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

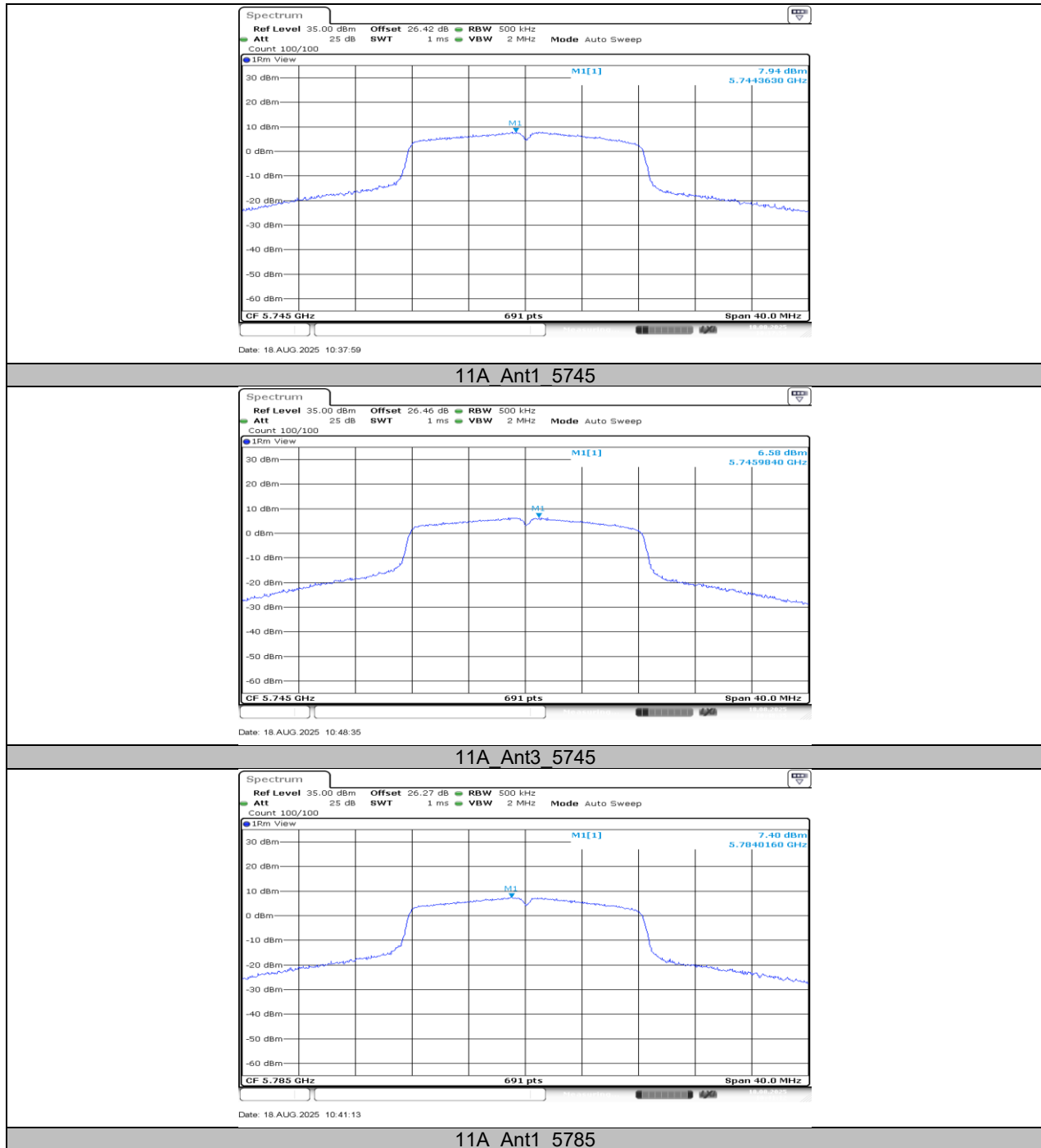
11.5.1. Test Result

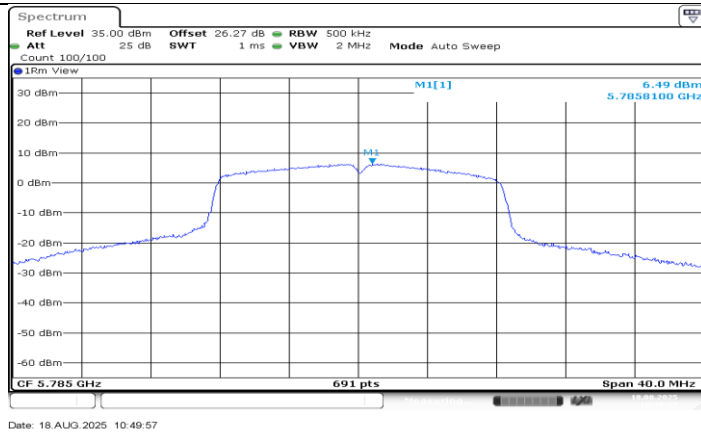
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5745	7.94	≤30.00	9.94	---	PASS
	Ant3	5745	6.58	≤30.00	8.58	---	PASS
	Ant1	5785	7.40	≤30.00	9.40	---	PASS
	Ant3	5785	6.49	≤30.00	8.49	---	PASS
	Ant1	5825	7.60	≤30.00	9.60	---	PASS
	Ant3	5825	5.91	≤30.00	7.91	---	PASS
11N20MIMO	Ant1	5745	6.78	≤30.00	8.78	---	PASS
	Ant3	5745	6.57	≤30.00	8.57	---	PASS
	total	5745	9.69	≤30.00	11.69	---	PASS
	Ant1	5785	7.23	≤30.00	9.23	---	PASS
	Ant3	5785	6.76	≤30.00	8.76	---	PASS
	total	5785	10.01	≤30.00	12.01	---	PASS
	Ant1	5825	6.90	≤30.00	8.90	---	PASS
	Ant3	5825	6.22	≤30.00	8.22	---	PASS
	total	5825	9.58	≤30.00	11.58	---	PASS
11N40MIMO	Ant1	5755	4.51	≤30.00	6.51	---	PASS
	Ant3	5755	4.01	≤30.00	6.01	---	PASS
	total	5755	7.28	≤30.00	9.28	---	PASS
	Ant1	5795	4.77	≤30.00	6.77	---	PASS
	Ant3	5795	4.12	≤30.00	6.12	---	PASS
	total	5795	7.47	≤30.00	9.47	---	PASS
11AC80MIMO	Ant1	5775	-1.45	≤30.00	0.55	---	PASS
	Ant3	5775	-0.67	≤30.00	1.33	---	PASS
	total	5775	1.97	≤30.00	3.97	---	PASS
11AX20MIMO	Ant1	5745	7.32	≤30.00	9.32	---	PASS
	Ant3	5745	7.24	≤30.00	9.24	---	PASS
	total	5745	10.29	≤30.00	12.29	---	PASS
	Ant1	5785	7.27	≤30.00	9.27	---	PASS
	Ant3	5785	7.18	≤30.00	9.18	---	PASS
	total	5785	10.24	≤30.00	12.24	---	PASS
	Ant1	5825	7.22	≤30.00	9.22	---	PASS
	Ant3	5825	7.02	≤30.00	9.02	---	PASS
11AX40MIMO	total	5825	10.13	≤30.00	12.13	---	PASS
	Ant1	5755	3.45	≤30.00	5.45	---	PASS
	Ant3	5755	4.40	≤30.00	6.40	---	PASS
	total	5755	6.96	≤30.00	8.96	---	PASS
	Ant1	5795	4.55	≤30.00	6.55	---	PASS
	Ant3	5795	3.94	≤30.00	5.94	---	PASS
11AX80MIMO	total	5795	7.27	≤30.00	9.27	---	PASS
	Ant1	5775	1.71	≤30.00	3.71	---	PASS
	Ant3	5775	1.97	≤30.00	3.97	---	PASS
	total	5775	4.85	≤30.00	6.85	---	PASS

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

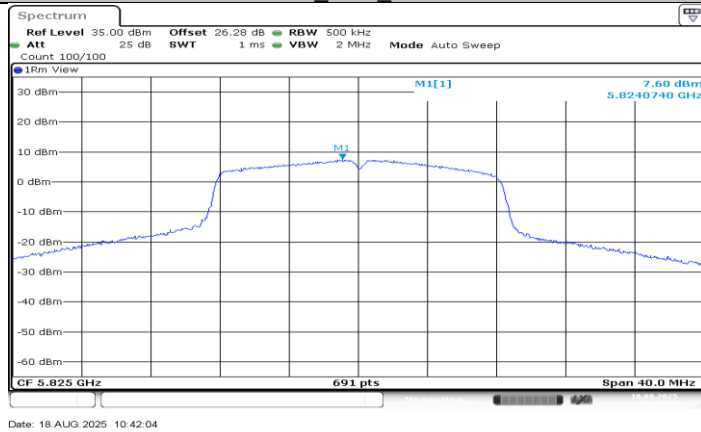
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5.2. Test Graphs

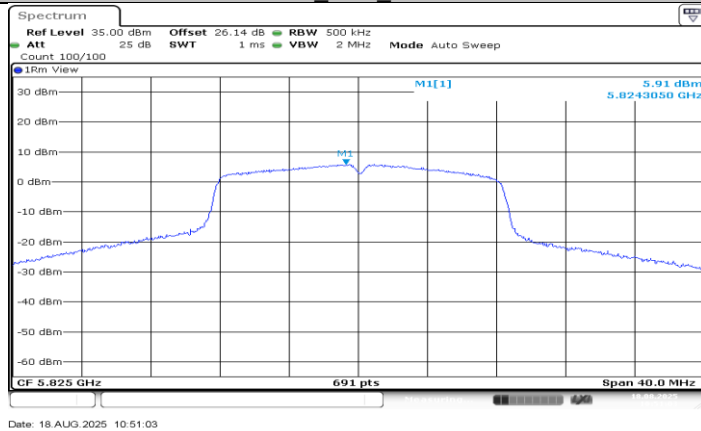




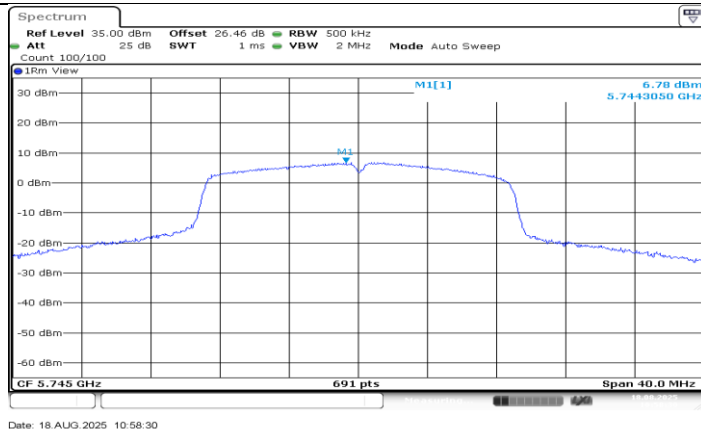
11A_Ant3_5785



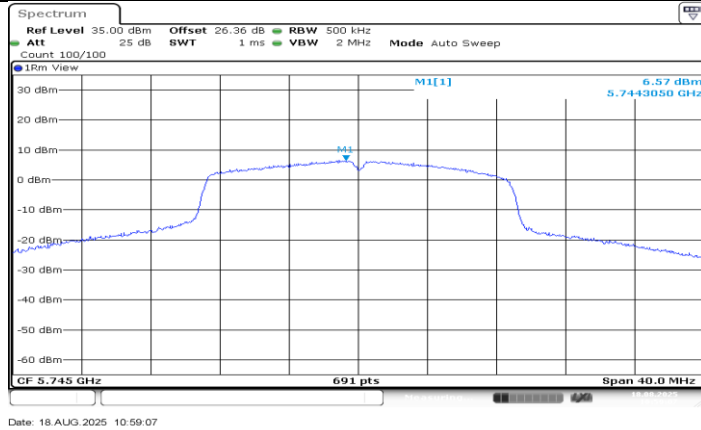
11A_Ant1_5825



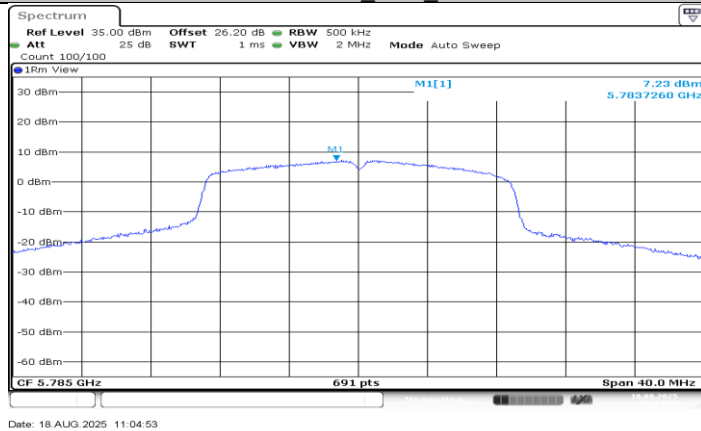
11A_Ant3_5825



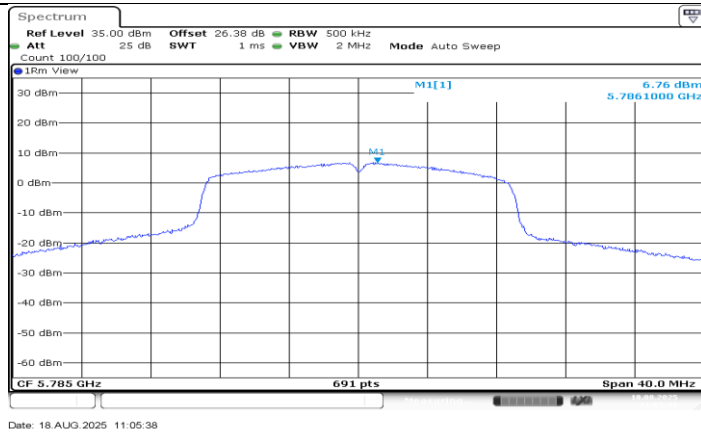
11N20MIMO_Ant1_5745



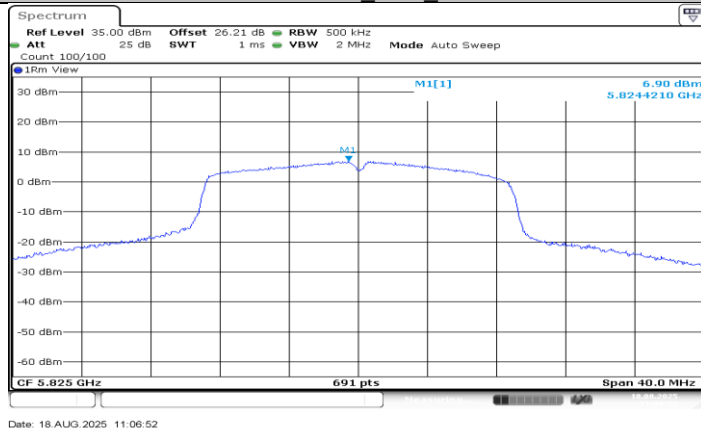
11N20MIMO_Ant3_5745



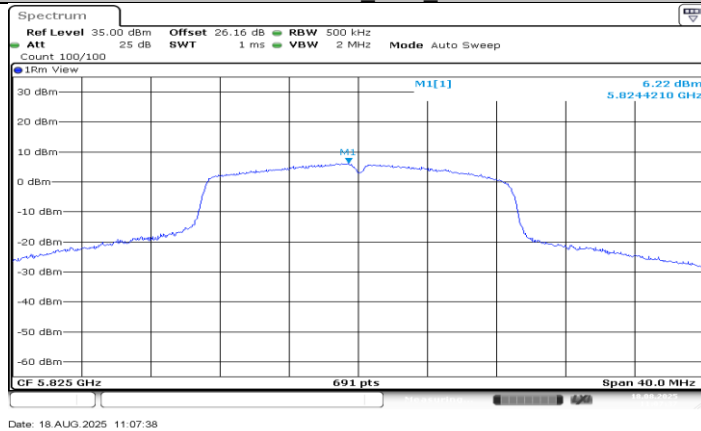
11N20MIMO_Ant1_5785



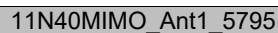
11N20MIMO_Ant3_5785

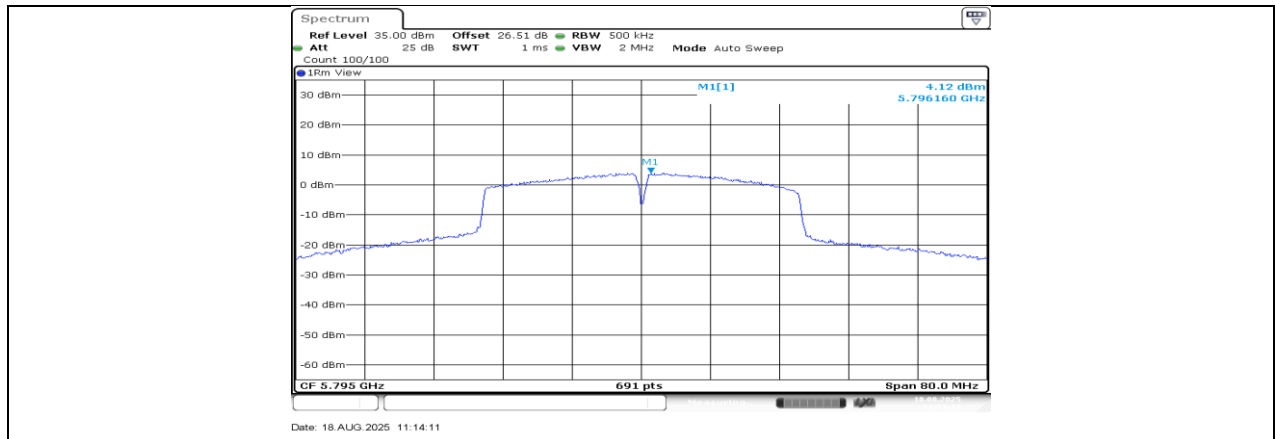


11N20MIMO_Ant1_5825

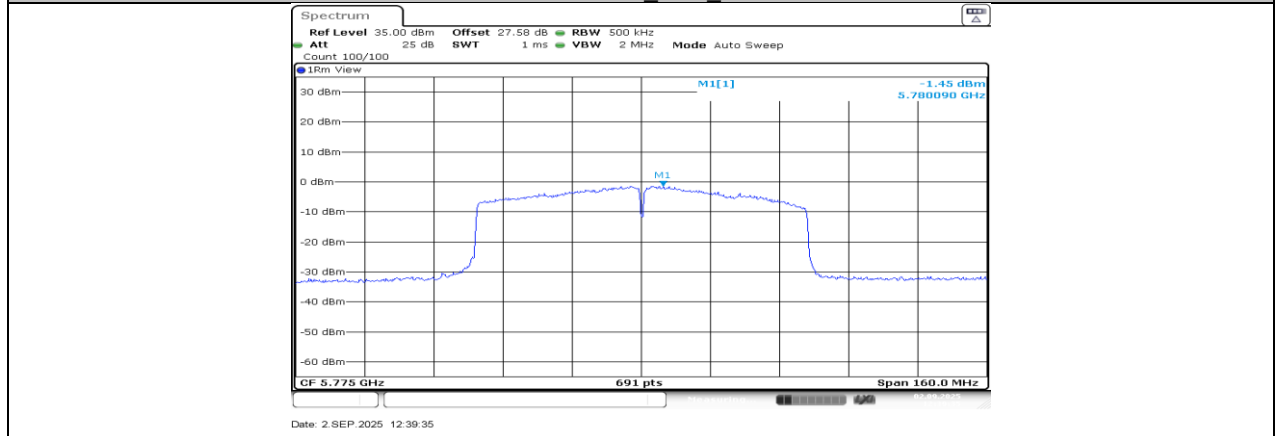


11N20MIMO_Ant3_5825

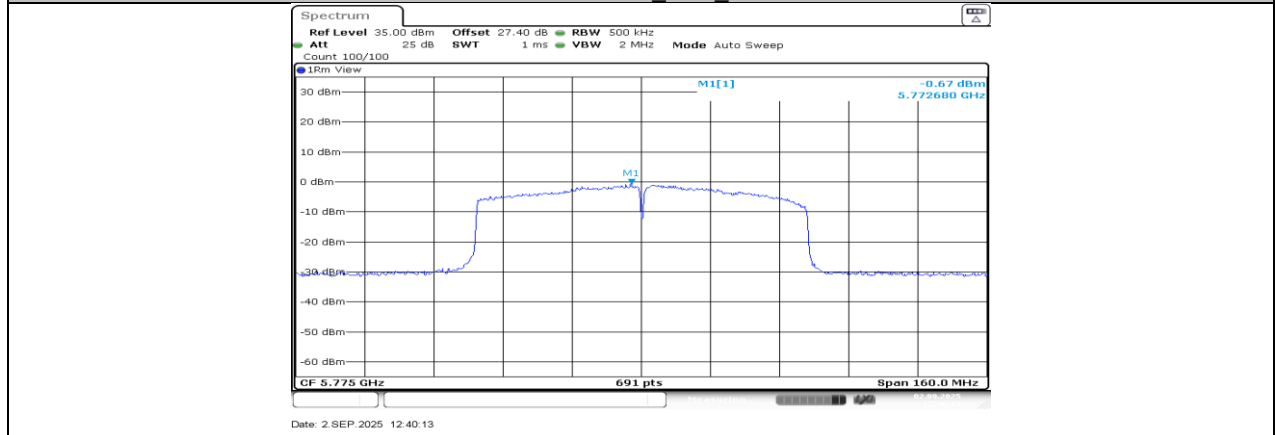




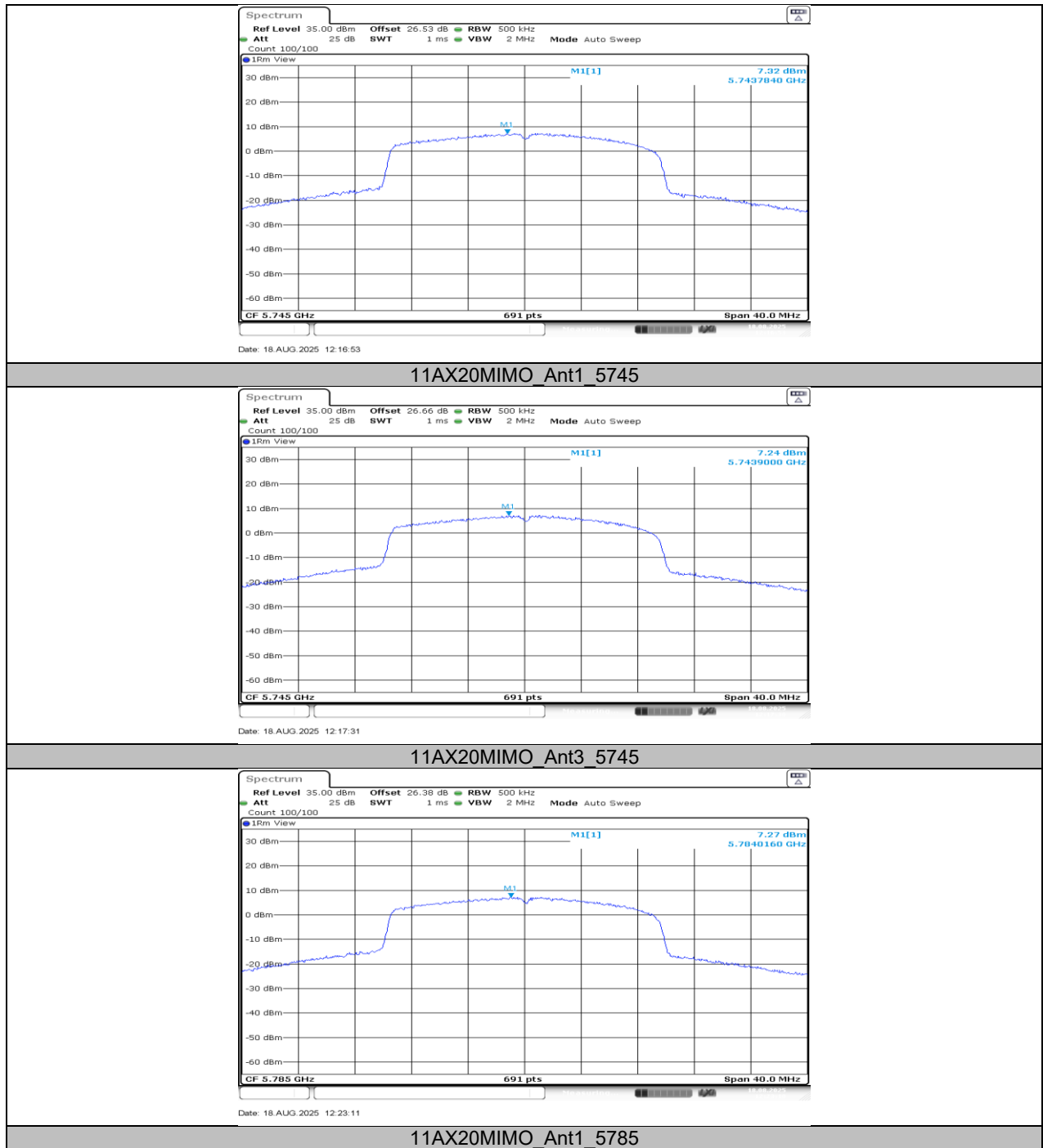
11N40MIMO_Ant3_5795

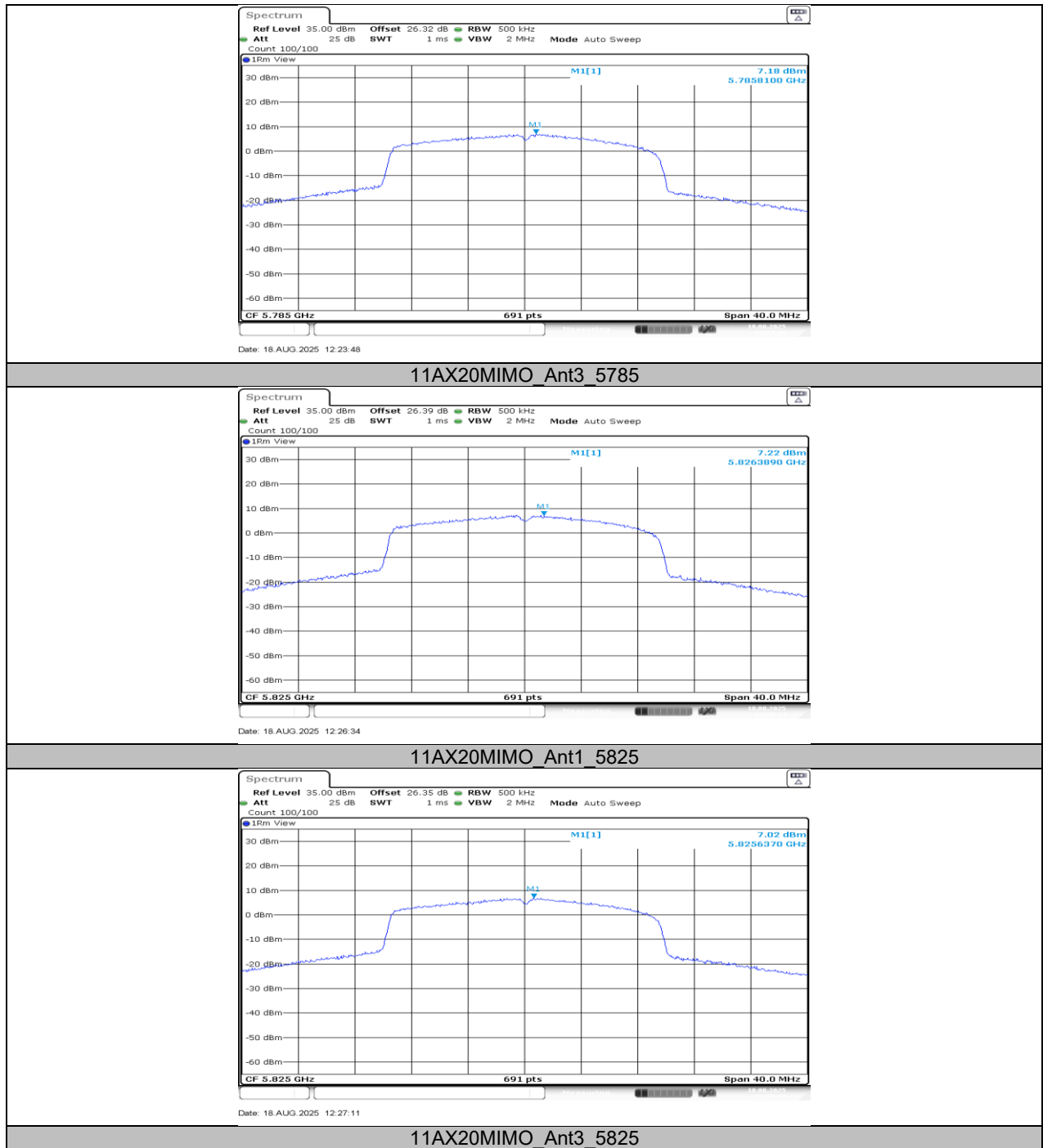


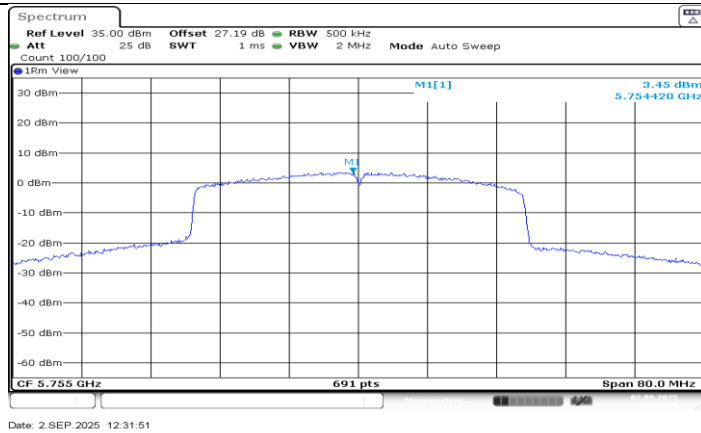
11AC80MIMO_Ant1_5775



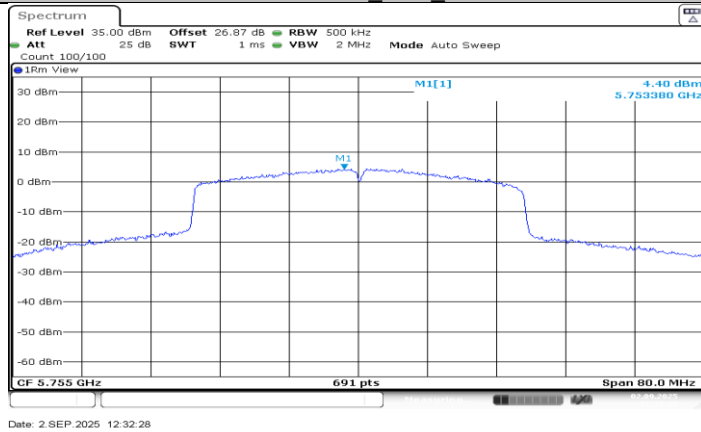
11AC80MIMO_Ant3_5775



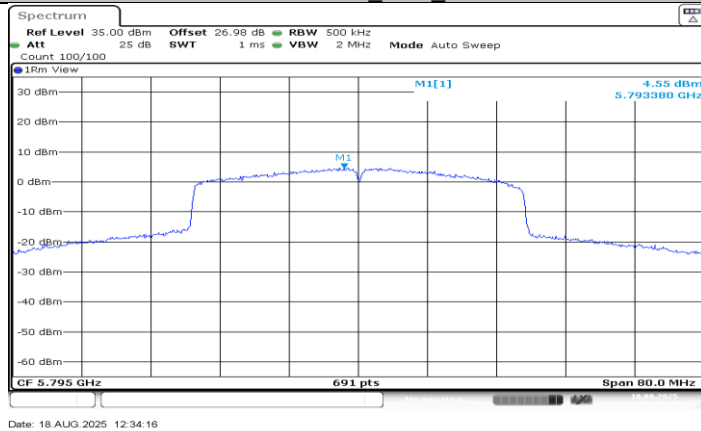




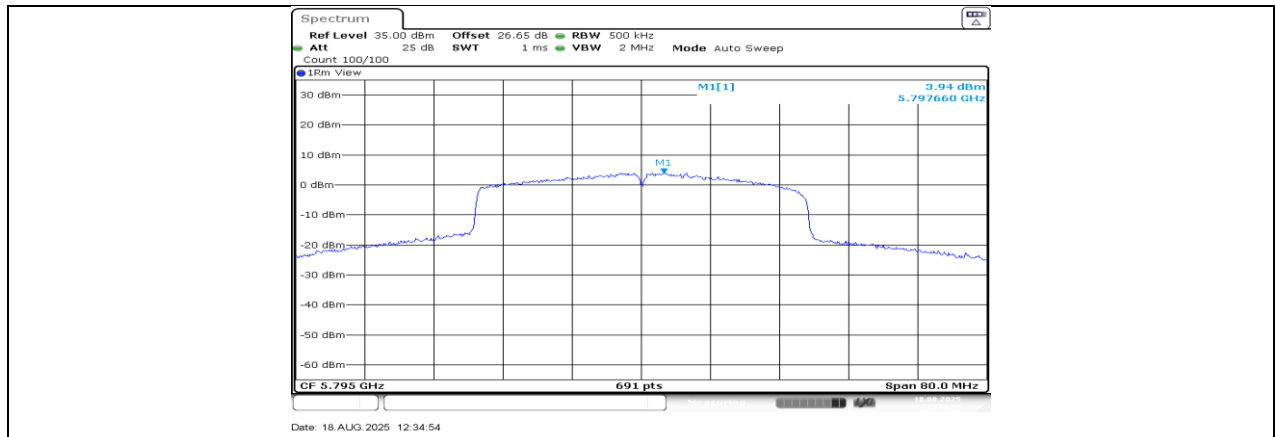
11AX40MIMO_Ant1_5755



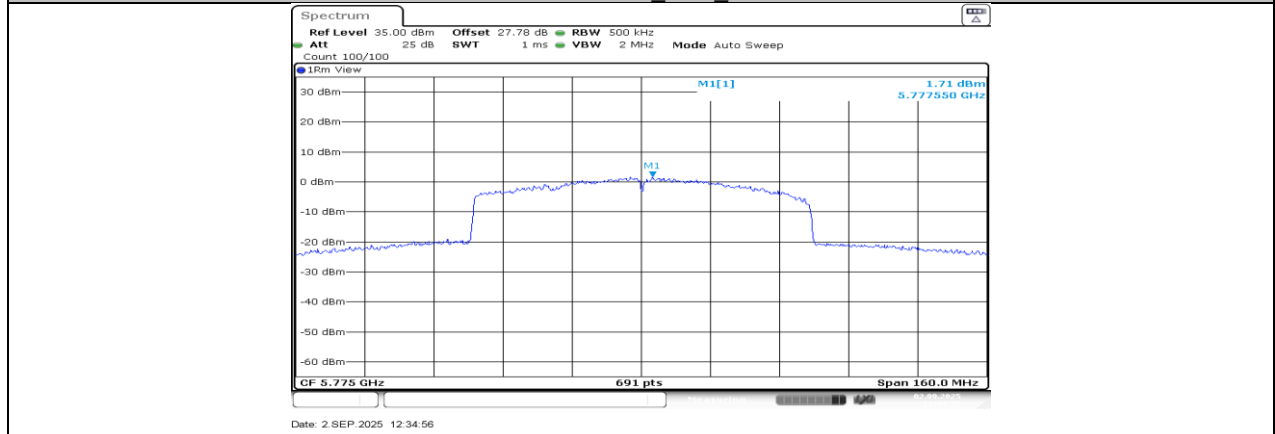
11AX40MIMO_Ant3_5755



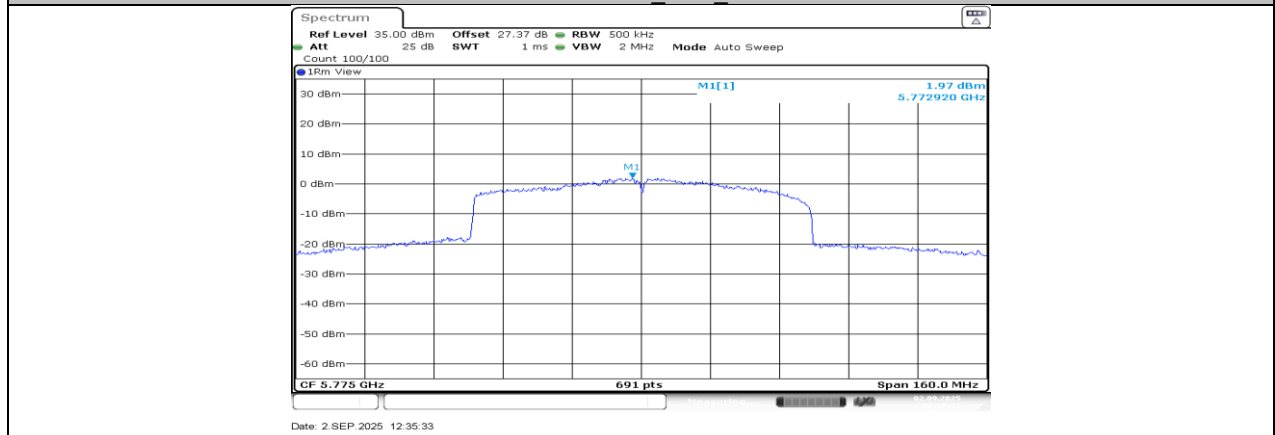
11AX40MIMO_Ant1_5795



11AX40MIMO_Ant3_5795



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant3_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	5824.9784	-3.71	5824.9983	-0.29	5825.0220	3.78	5824.9897	-1.76
TN	VN	5825.0214	3.67	5824.9916	-1.44	5824.9790	-3.60	5825.0110	1.90
TN	VH	5825.0120	2.06	5824.9953	-0.81	5824.9898	-1.75	5825.0061	1.04
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	5825.0115	1.97	5824.9759	-4.14	5824.9807	-3.32	5825.0076	1.30
30	VN	5825.0040	0.69	5824.9798	-3.47	5824.9877	-2.11	5825.0069	1.18
20	VN	5824.9841	-2.72	5824.9789	-3.62	5824.9918	-1.41	5824.9789	-3.63
10	VN	5825.0159	2.72	5825.0067	1.16	5825.0228	3.92	5825.0162	2.78
0	VN	5825.0248	4.25	5824.9774	-3.89	5825.0017	0.29	5824.9911	-1.52
-10	VN	5825.0063	1.08	5824.9988	-0.20	5824.9963	-0.63	5825.0242	4.16

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	1.53	0.9020	90.20	0.45	0.72	1
11N20MIMO	1.30	1.42	0.9155	91.55	0.38	0.77	1
11N40MIMO	0.64	0.77	0.8312	83.12	0.80	1.56	2
11AC80MIMO	0.32	0.48	0.6667	66.67	1.76	3.13	4
11AX20MIMO	1.01	1.15	0.8783	87.83	0.56	0.99	1
11AX40MIMO	0.54	0.71	0.7606	76.06	1.19	1.85	2
11AX80MIMO	0.28	0.44	0.6364	63.64	1.96	3.57	4

Note:

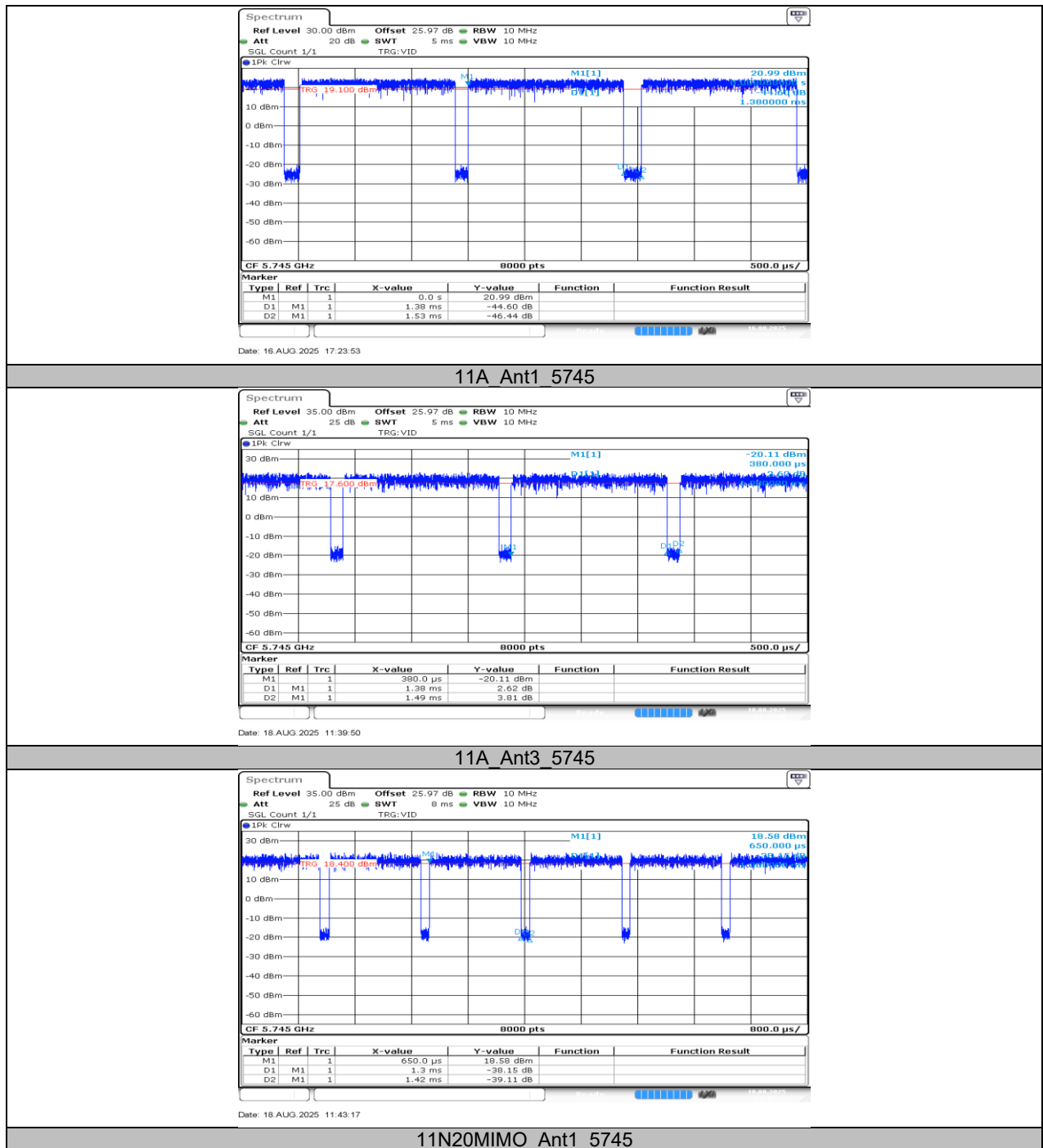
Duty Cycle Correction Factor= $10\log(1/x)$.

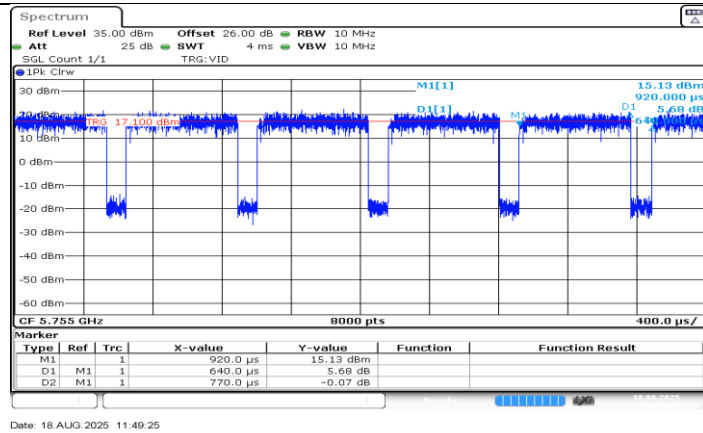
Where: x is Duty Cycle (Linear)

Where: T is On Time

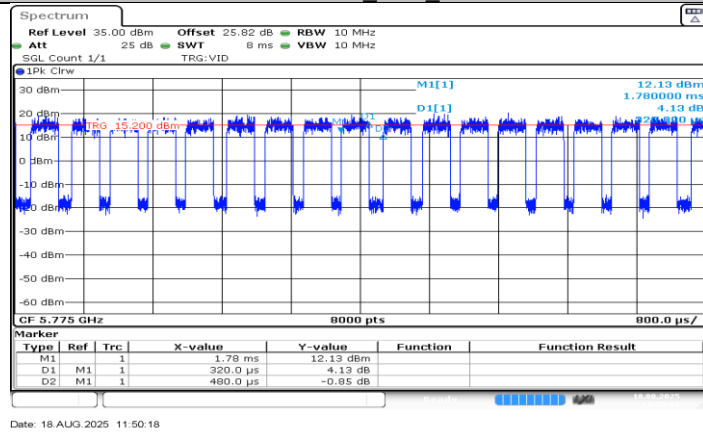
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs

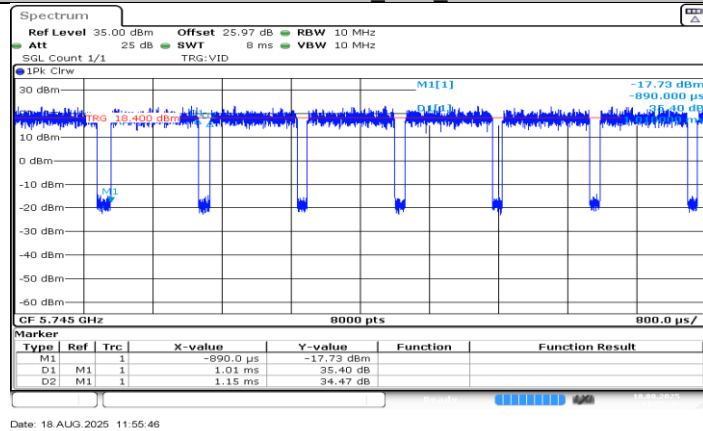




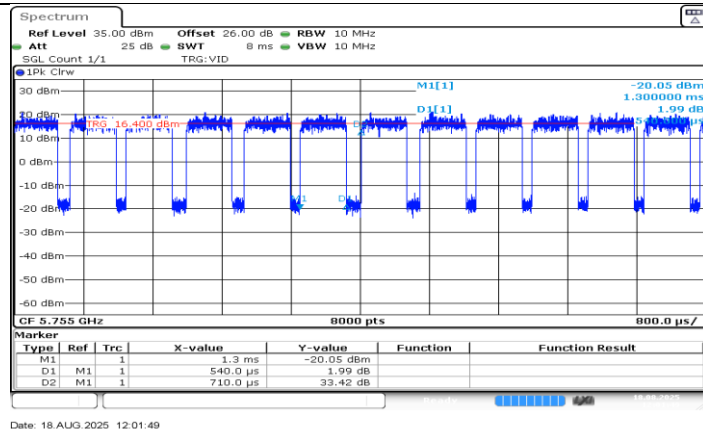
11N40MIMO_Ant1_5755



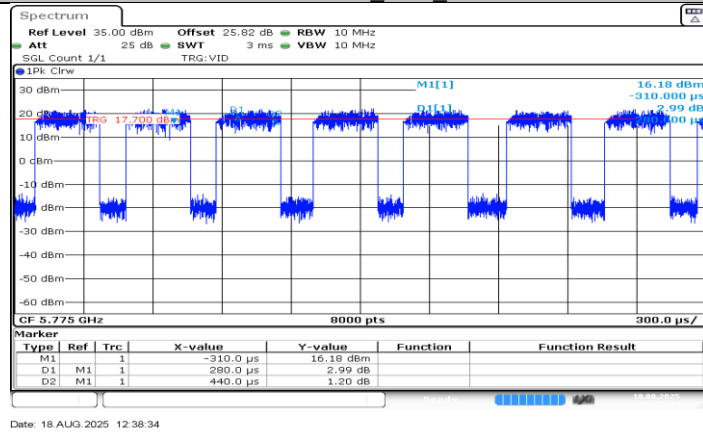
11AC80MIMO_Ant1_5775



11AX20MIMO_Ant1_5745



11AX40MIMO_Ant1_5755



11AX80MIMO_Ant1_5775

END OF REPORT