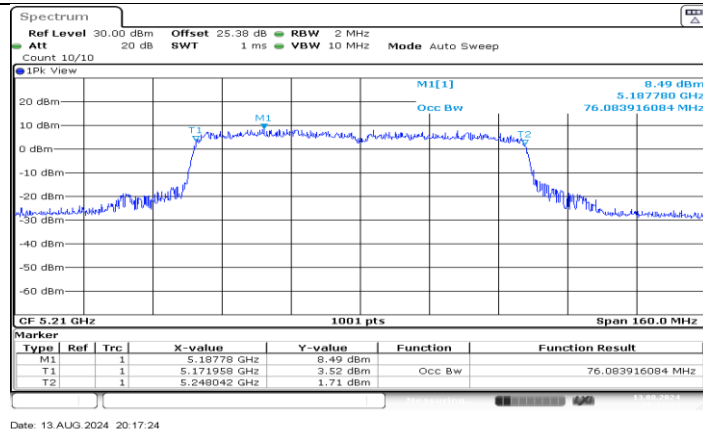
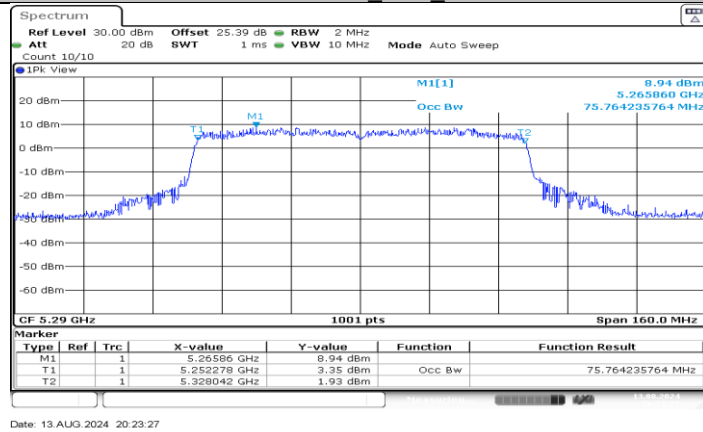
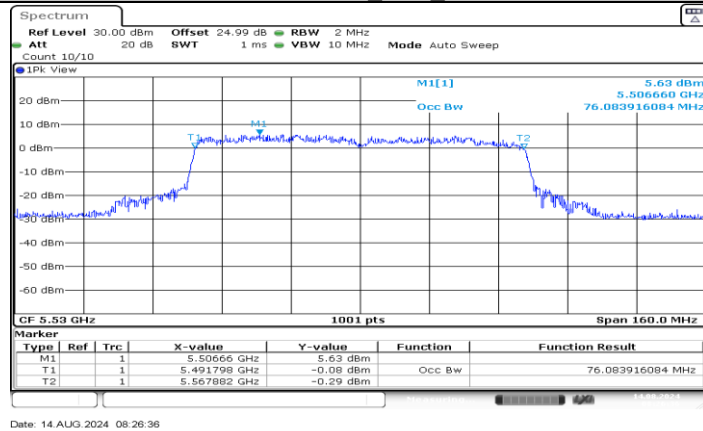




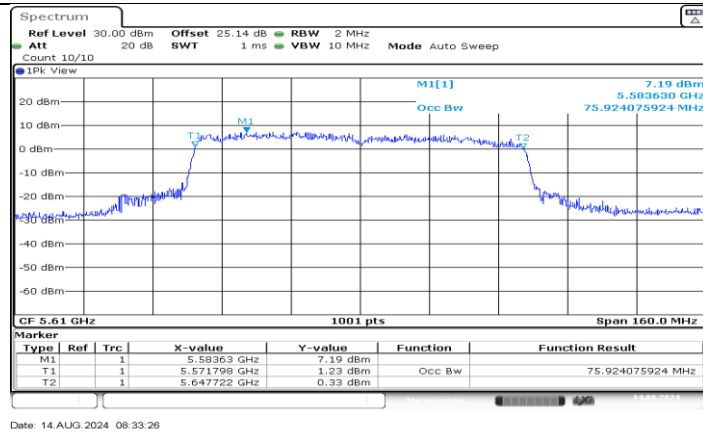
11AC80SISO_Ant1_5210



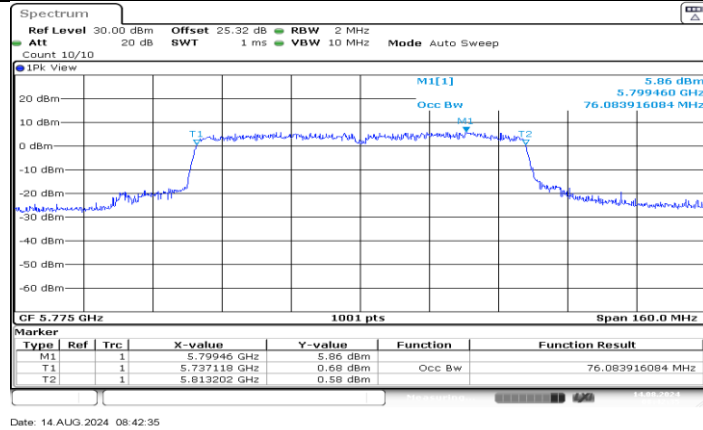
11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

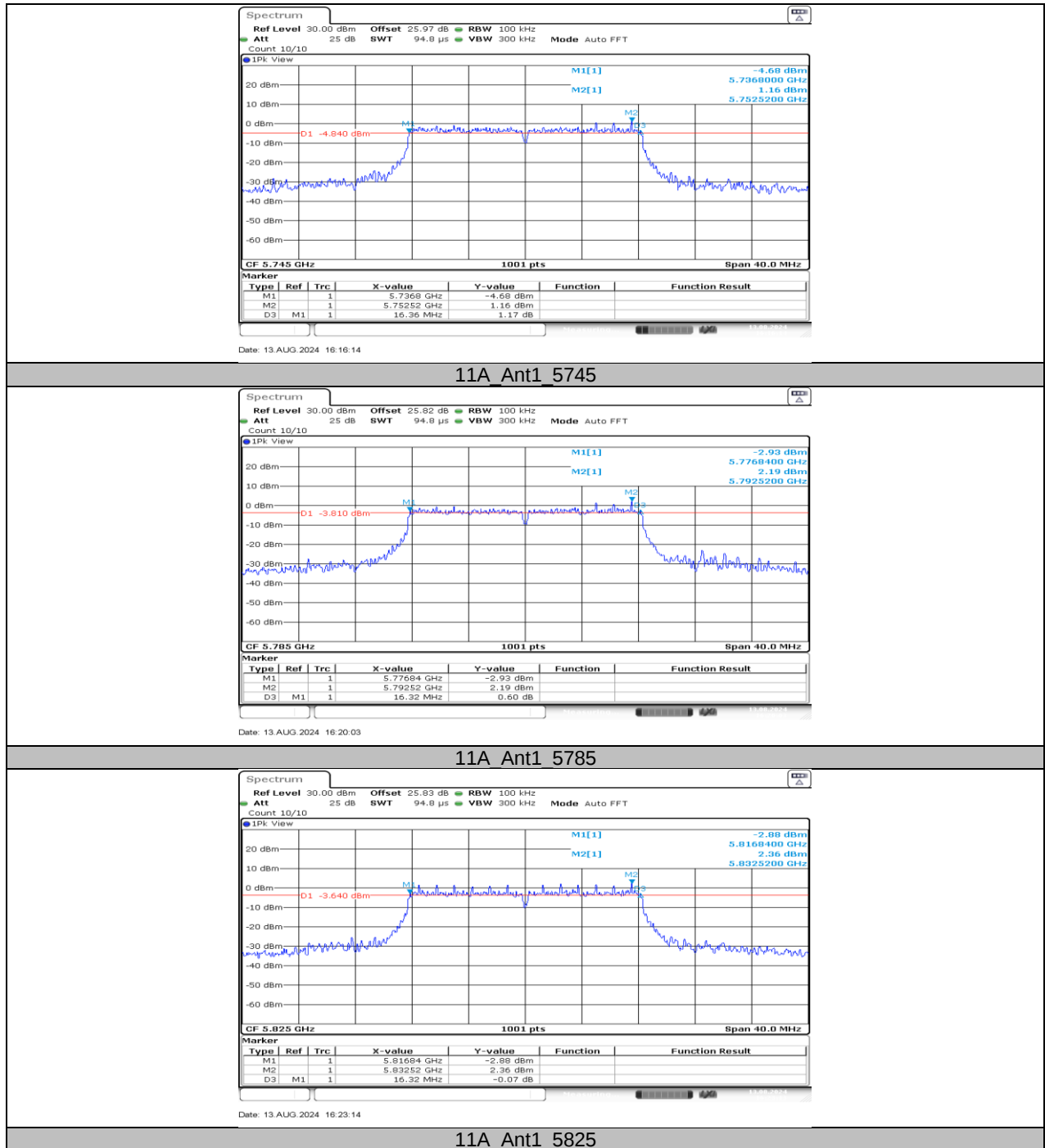


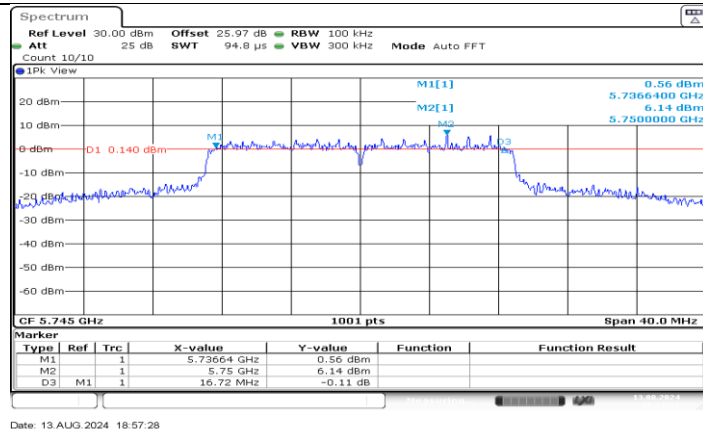
11AC80SISO_Ant1_5775

11.3. APPENDIX C: MIN EMISSION BANDWIDTH**11.3.1. Test Result**

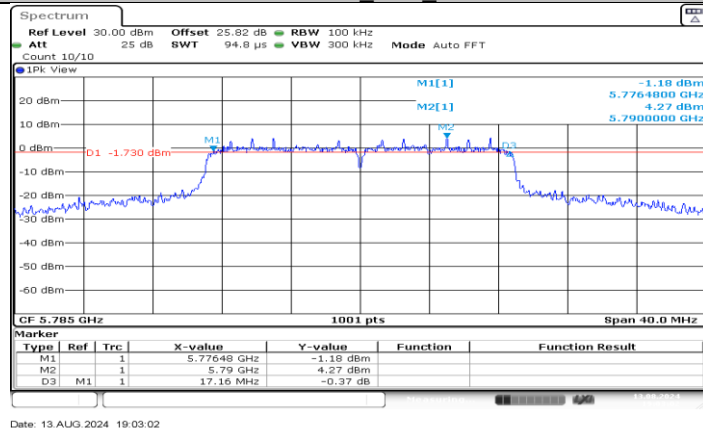
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	≥0.5	PASS
		5785	16.32	5776.84	5793.16	≥0.5	PASS
		5825	16.32	5816.84	5833.16	≥0.5	PASS
11N20SISO	Ant1	5745	16.72	5736.64	5753.36	≥0.5	PASS
		5785	17.16	5776.48	5793.64	≥0.5	PASS
		5825	17.28	5816.36	5833.64	≥0.5	PASS
11N40SISO	Ant1	5755	36.08	5737.00	5773.08	≥0.5	PASS
		5795	36.16	5777.08	5813.24	≥0.5	PASS
11AC80SISO	Ant1	5775	75.36	5737.40	5812.76	≥0.5	PASS

11.3.2. Test Graphs

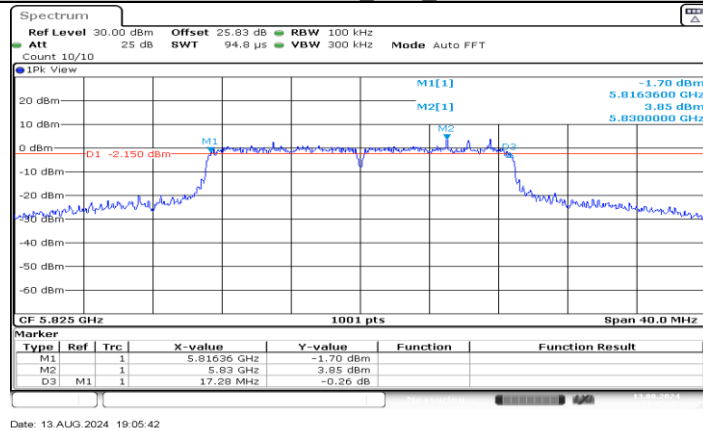




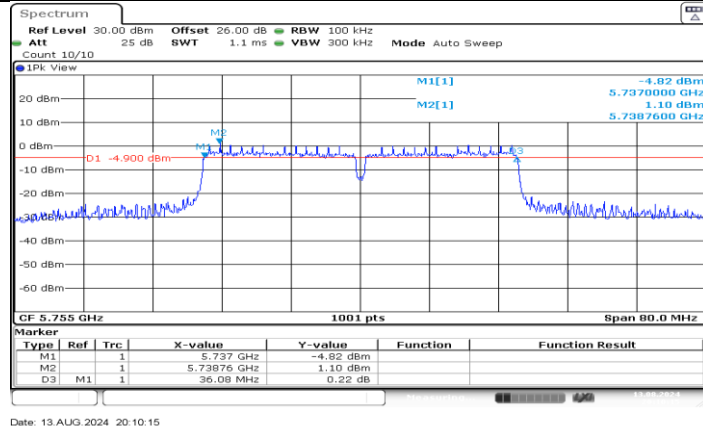
11N20SISO Ant1 5745



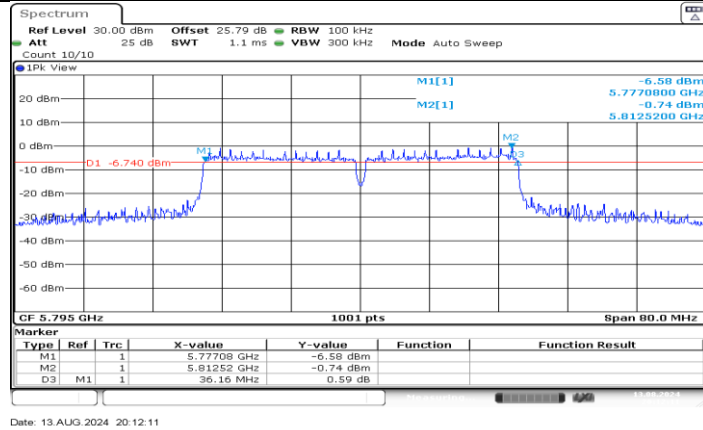
11N20SISO Ant1 5785



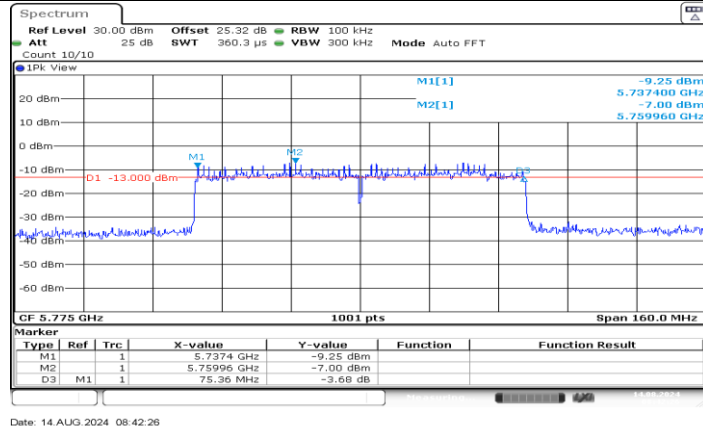
11N20SISO Ant1 5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC80SISO_Ant1_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	Ant1	5180	16.59	≤23.98	PASS
		5200	16.56	≤23.98	PASS
		5240	16.72	≤23.98	PASS
		5260	17.73	≤23.98	PASS
		5280	17.95	≤23.92	PASS
		5320	17.94	≤23.98	PASS
		5500	14.18	≤23.98	PASS
		5580	13.94	≤23.96	PASS
		5700	14.3	≤23.98	PASS
		5745	17.00	≤30.00	PASS
		5785	16.94	≤30.00	PASS
11N20SISO	Ant1	5825	17.33	≤30.00	PASS
		5180	16.95	≤23.98	PASS
		5200	16.87	≤23.98	PASS
		5240	16.67	≤23.98	PASS
		5260	18.15	≤23.98	PASS
		5280	18.53	≤23.98	PASS
		5320	18.69	≤23.98	PASS
		5500	14.28	≤23.98	PASS
		5580	14.09	≤23.98	PASS
		5700	13.77	≤23.98	PASS
		5745	17.40	≤30.00	PASS
11N40SISO	Ant1	5785	17.27	≤30.00	PASS
		5825	17.40	≤30.00	PASS
		5190	13.64	≤23.98	PASS
		5230	13.62	≤23.98	PASS
		5270	13.22	≤23.98	PASS
		5310	13.68	≤23.98	PASS
		5510	12.17	≤23.98	PASS
		5550	12.64	≤23.98	PASS
11AC80SISO	Ant1	5670	12.65	≤23.98	PASS
		5755	17.12	≤30.00	PASS
		5795	17.16	≤30.00	PASS
		5210	14.18	≤23.98	PASS
		5290	13.71	≤23.98	PASS
		5530	13.54	≤23.98	PASS
	Ant1	5610	13.92	≤23.98	PASS
		5775	16.01	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

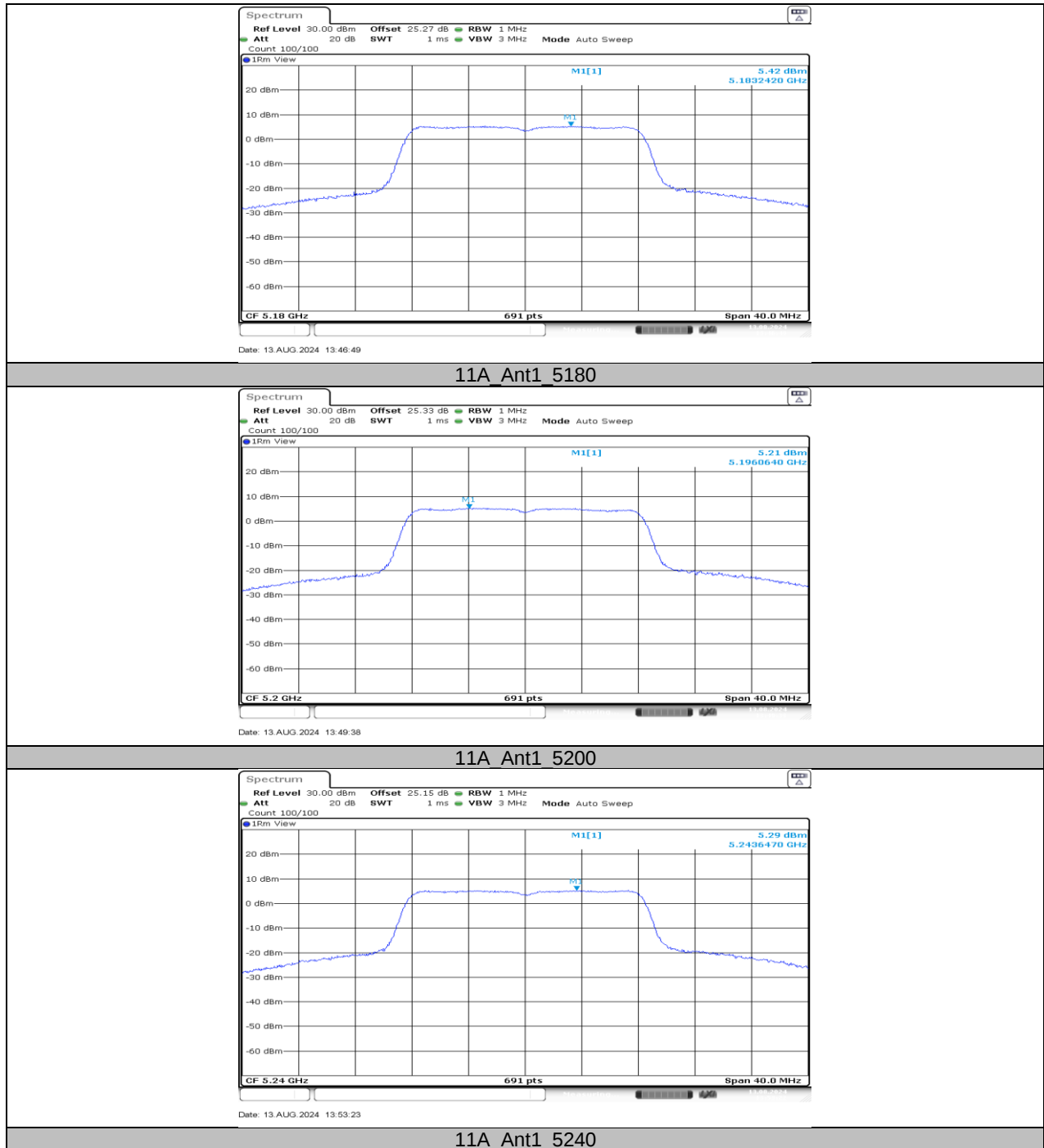
11.5.1. Test Result

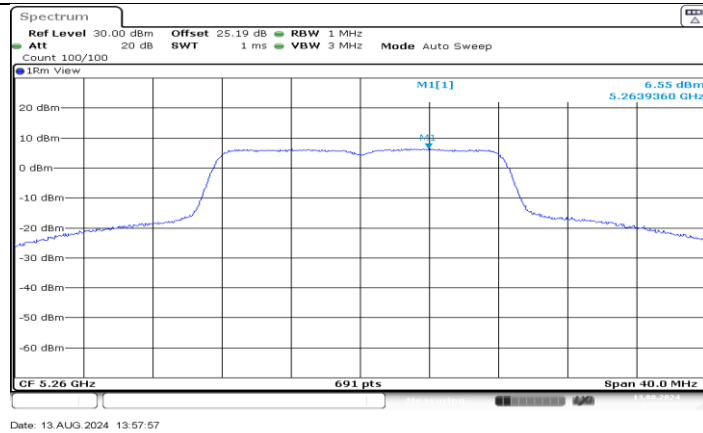
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.42	≤11.00	PASS
		5200	5.21	≤11.00	PASS
		5240	5.29	≤11.00	PASS
		5260	6.55	≤11.00	PASS
		5280	6.61	≤11.00	PASS
		5320	7.02	≤11.00	PASS
		5500	4.97	≤11.00	PASS
		5580	4.65	≤11.00	PASS
		5700	4.63	≤11.00	PASS
		5745	2.73	≤30.00	PASS
		5785	2.59	≤30.00	PASS
11N20SISO	Ant1	5825	3.14	≤30.00	PASS
		5180	5.49	≤11.00	PASS
		5200	5.44	≤11.00	PASS
		5240	5.53	≤11.00	PASS
		5260	6.62	≤11.00	PASS
		5280	7.12	≤11.00	PASS
		5320	7.12	≤11.00	PASS
		5500	5.33	≤11.00	PASS
		5580	4.98	≤11.00	PASS
		5700	5.14	≤11.00	PASS
		5745	2.80	≤30.00	PASS
11N40SISO	Ant1	5785	2.91	≤30.00	PASS
		5825	2.87	≤30.00	PASS
		5190	2.09	≤11.00	PASS
		5230	2.34	≤11.00	PASS
		5270	3.48	≤11.00	PASS
		5310	3.82	≤11.00	PASS
		5510	2.22	≤11.00	PASS
		5550	2.22	≤11.00	PASS
11AC80SISO	Ant1	5670	1.86	≤11.00	PASS
		5755	-0.31	≤30.00	PASS
		5795	-0.24	≤30.00	PASS
		5210	-0.34	≤11.00	PASS
		5290	1.04	≤11.00	PASS
	Ant1	5530	-1.21	≤11.00	PASS
		5610	-1.44	≤11.00	PASS
		5775	-4.22	≤30.00	PASS

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

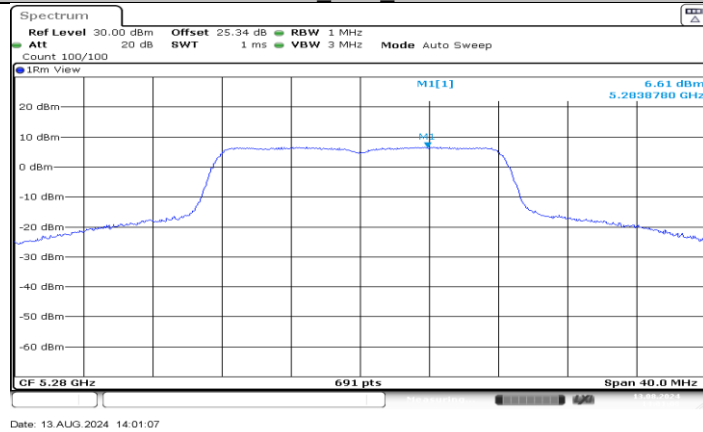
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5.2. Test Graphs

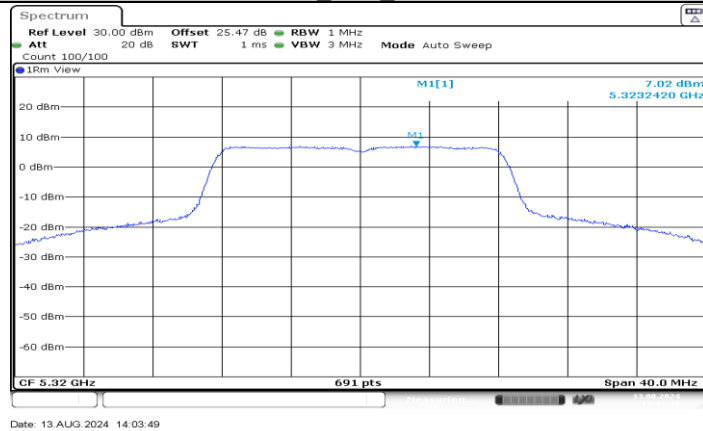




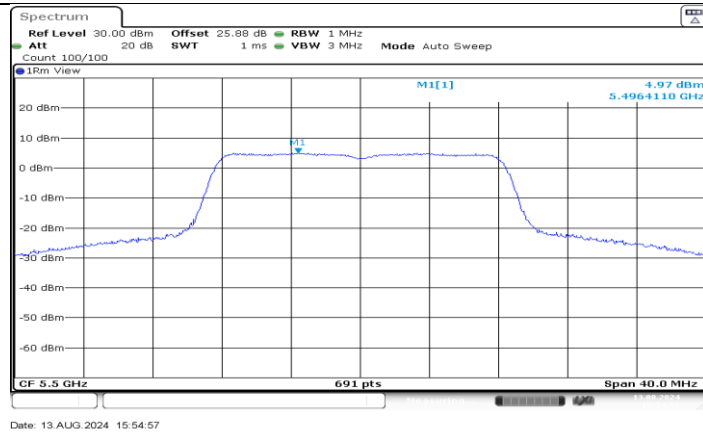
11A_Ant1_5260



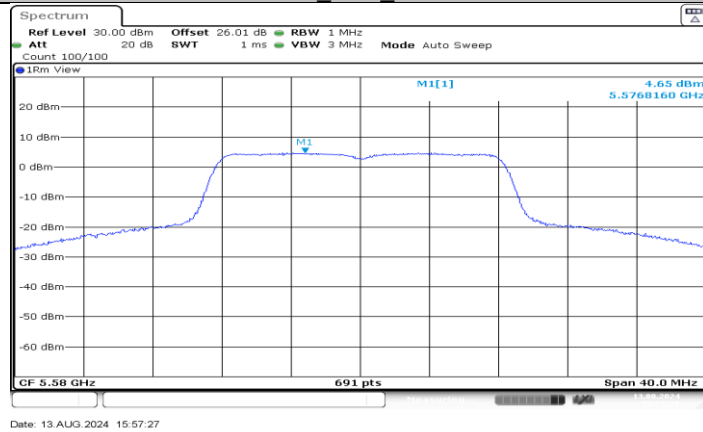
11A_Ant1_5280



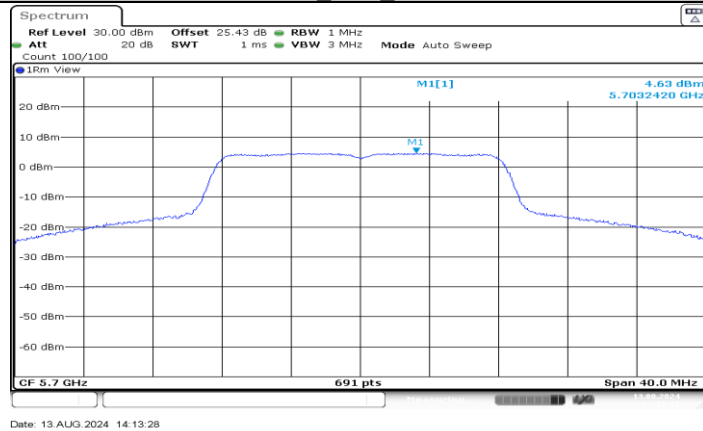
11A_Ant1_5320



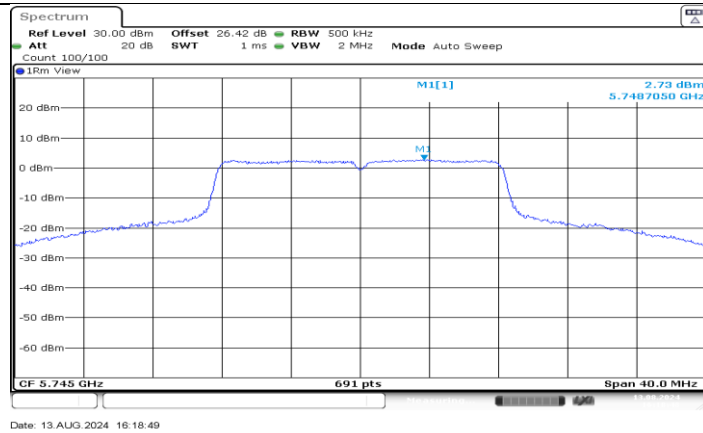
11A_Ant1_5500



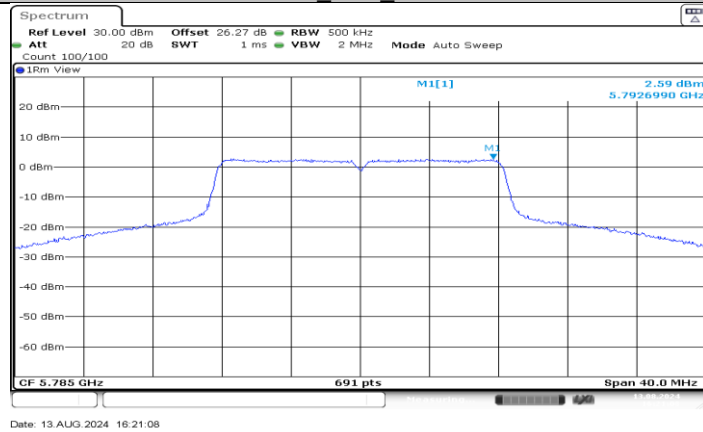
11A_Ant1_5580



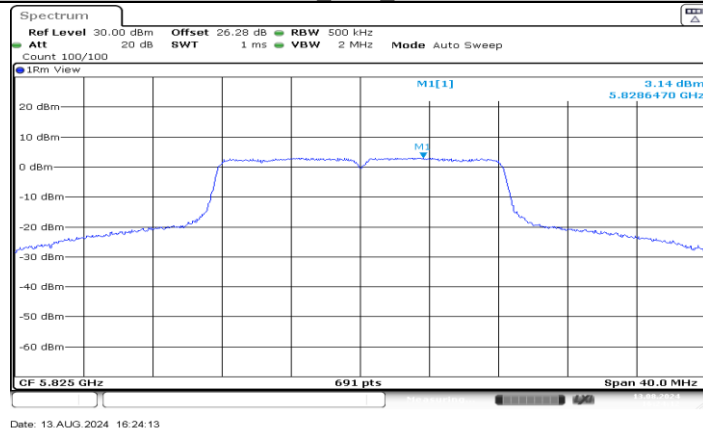
11A_Ant1_5700



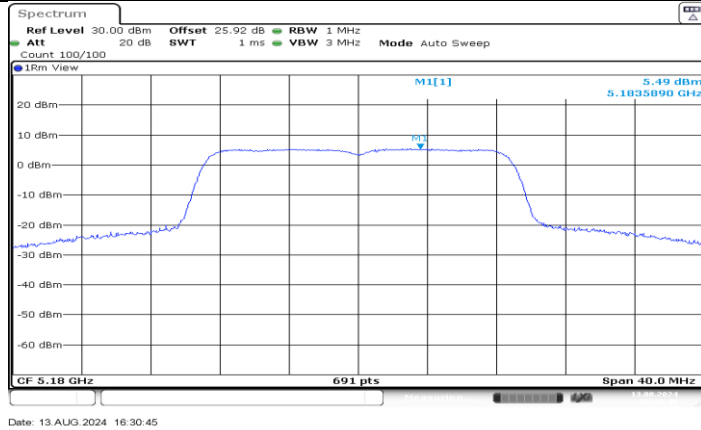
11A_Ant1_5745



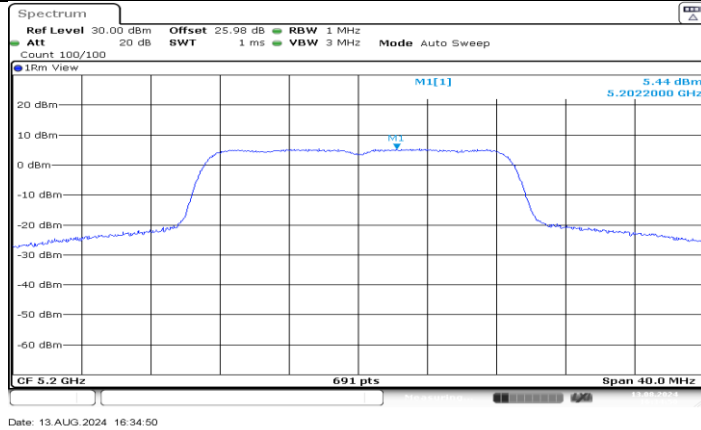
11A_Ant1_5785



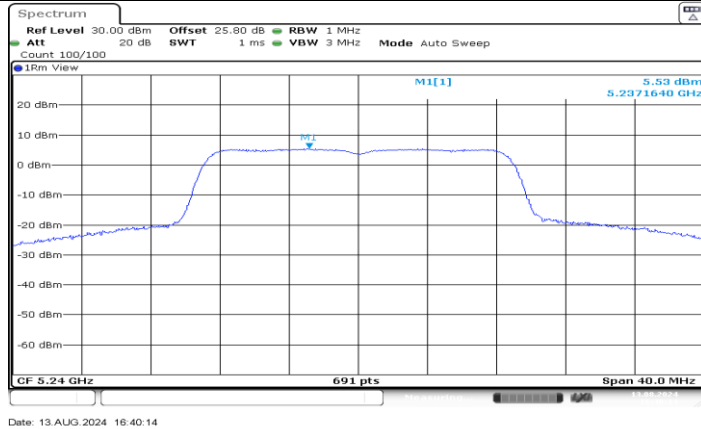
11A_Ant1_5825



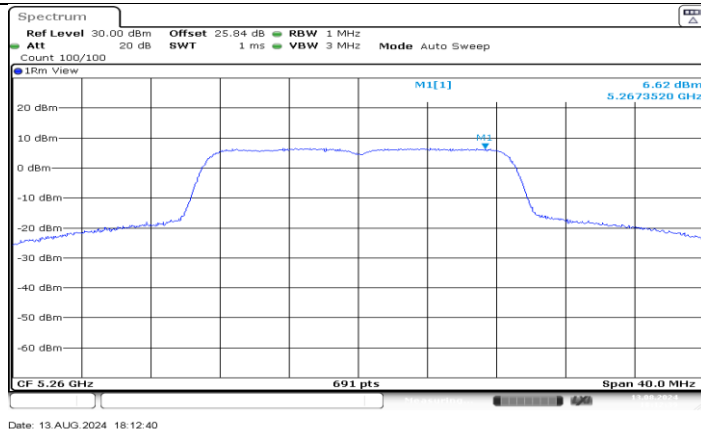
11N20SISO Ant1 5180



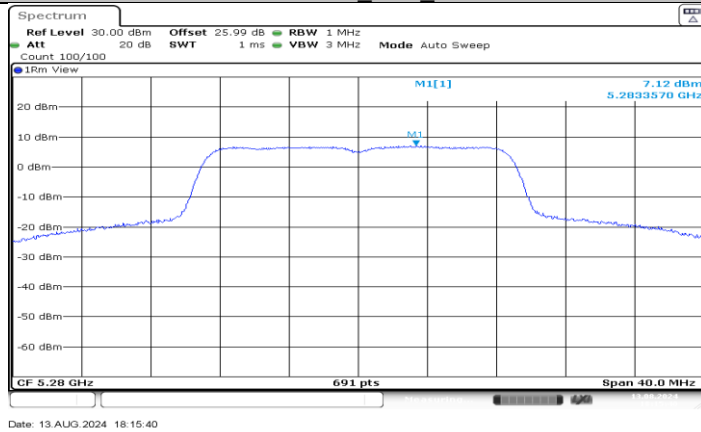
11N20SISO Ant1 5200



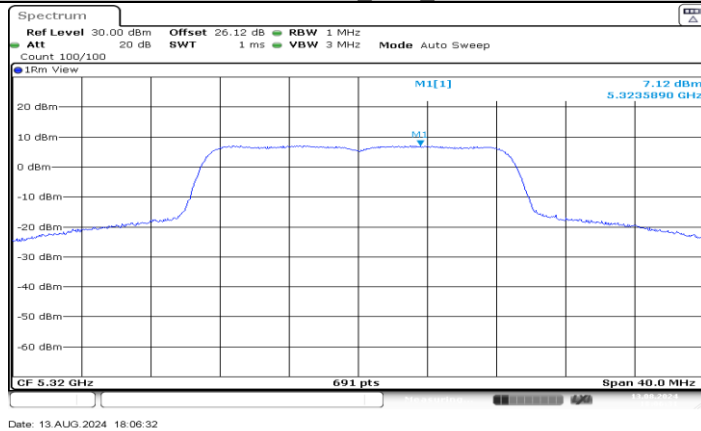
11N20SISO Ant1 5240



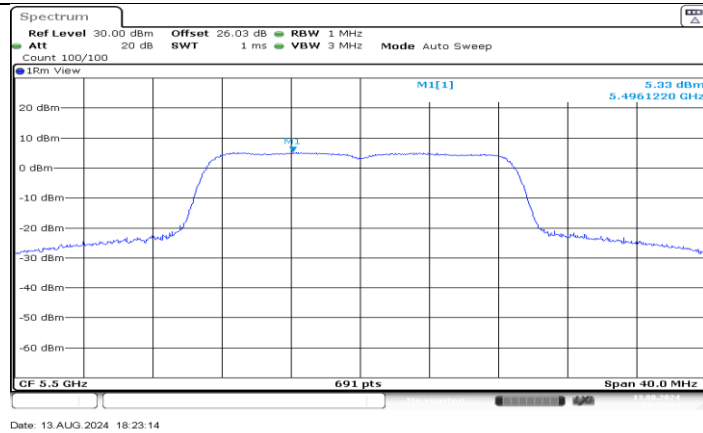
11N20SISO_Ant1_5260



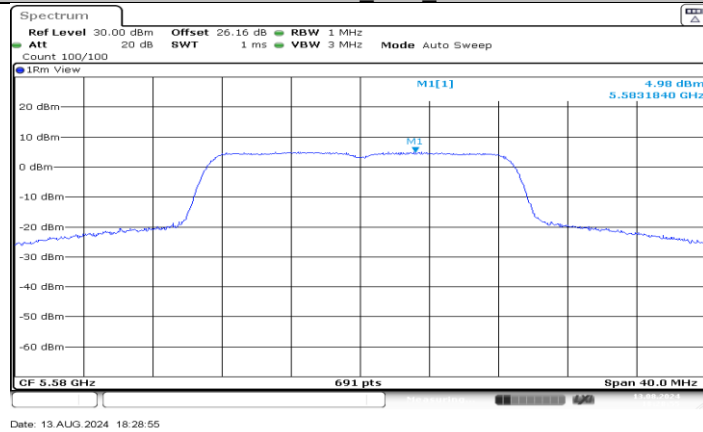
11N20SISO_Ant1_5280



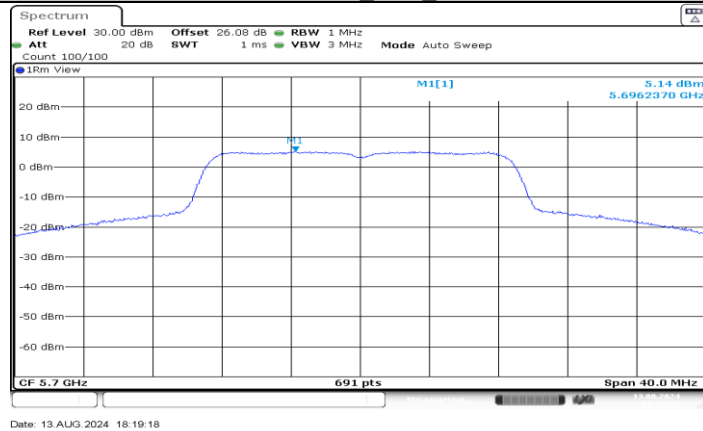
11N20SISO_Ant1_5320



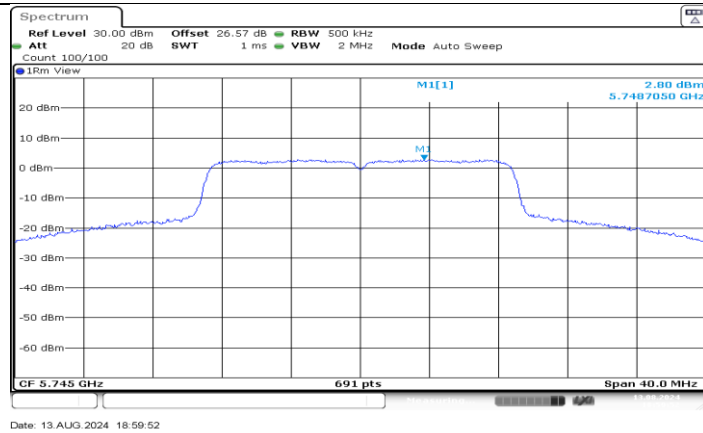
11N20SISO Ant1 5500



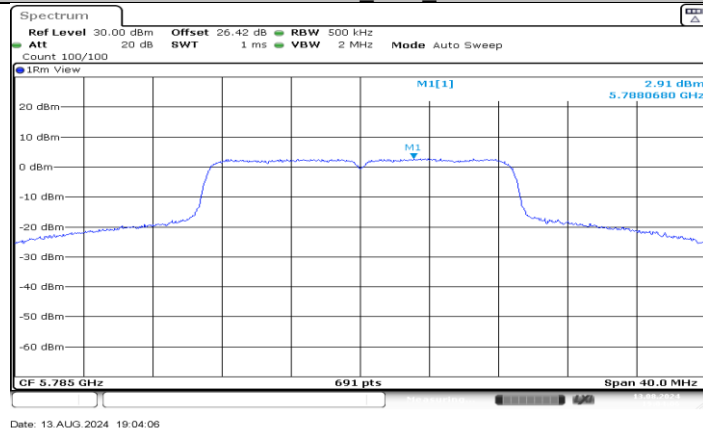
11N20SISO Ant1 5580



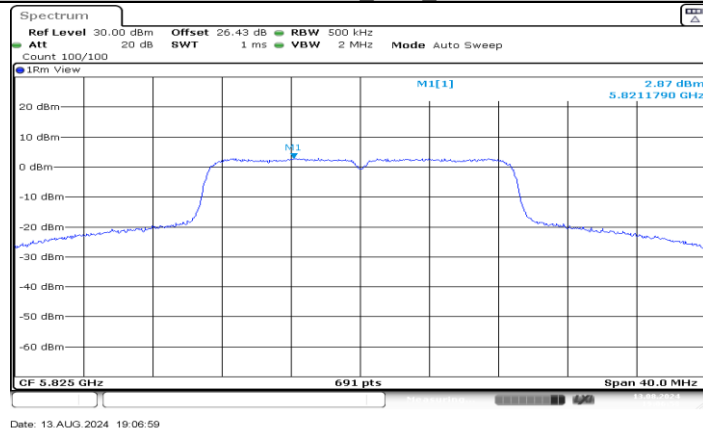
11N20SISO Ant1 5700



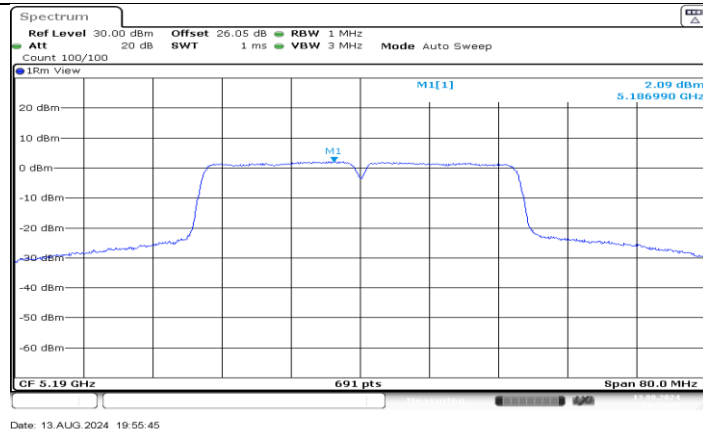
11N20SISO Ant1 5745



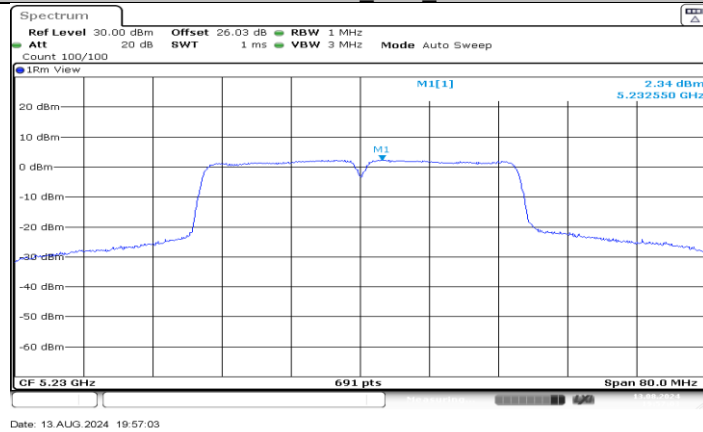
11N20SISO Ant1 5785



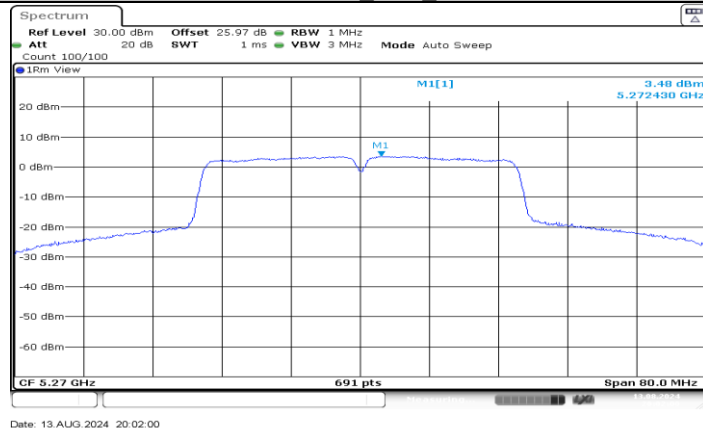
11N20SISO Ant1 5825



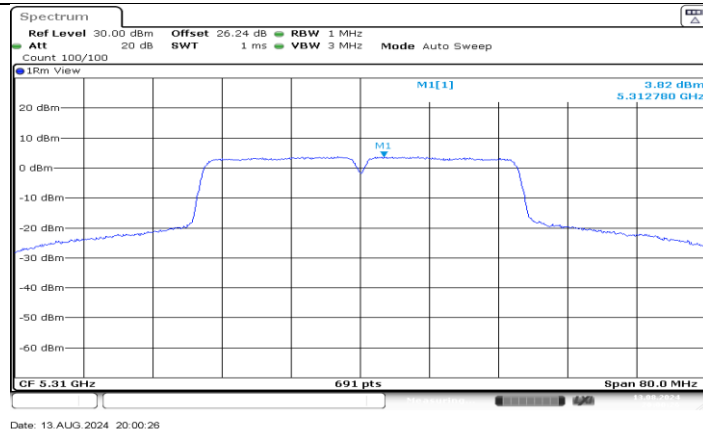
11N40SISO Ant1 5190



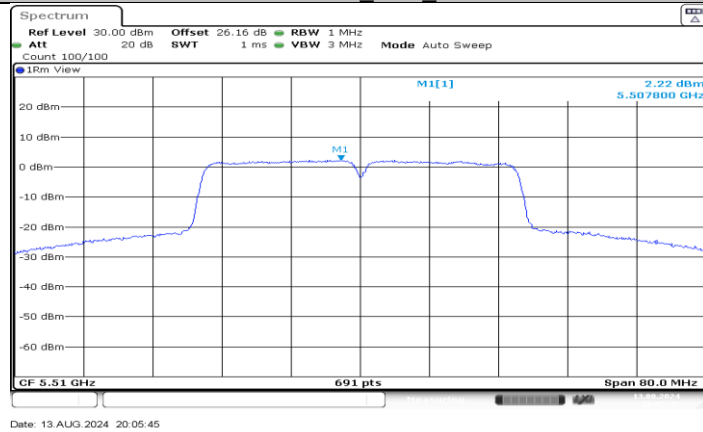
11N40SISO Ant1 5230



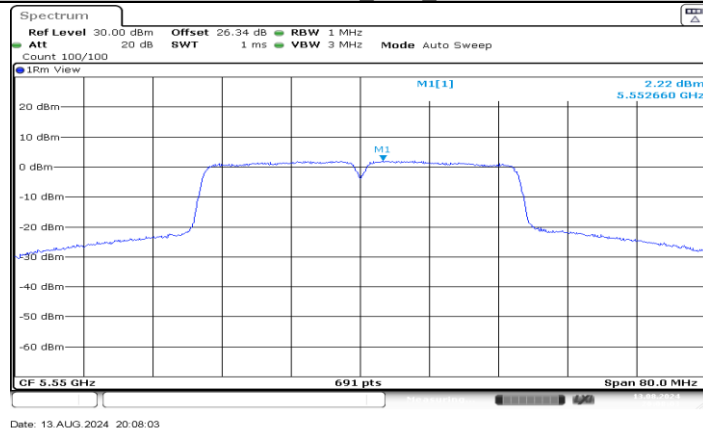
11N40SISO Ant1 5270



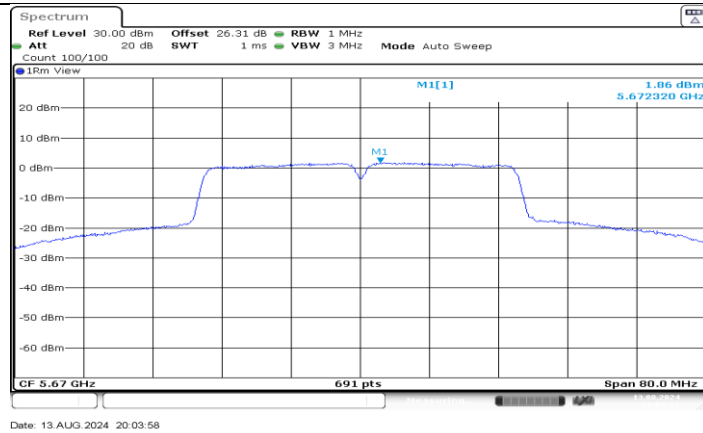
11N40SISO Ant1 5310



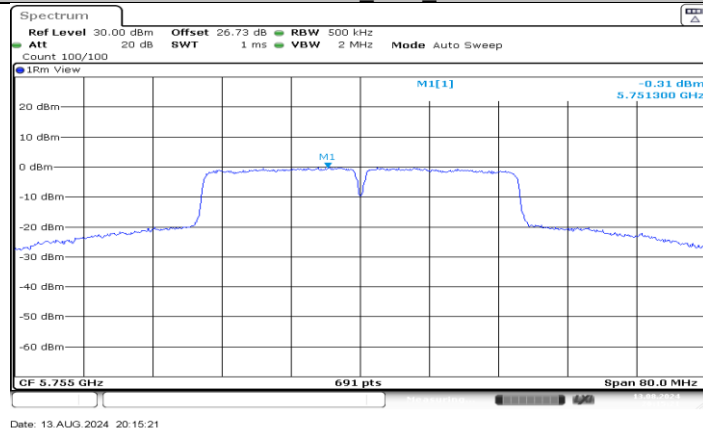
11N40SISO Ant1 5510



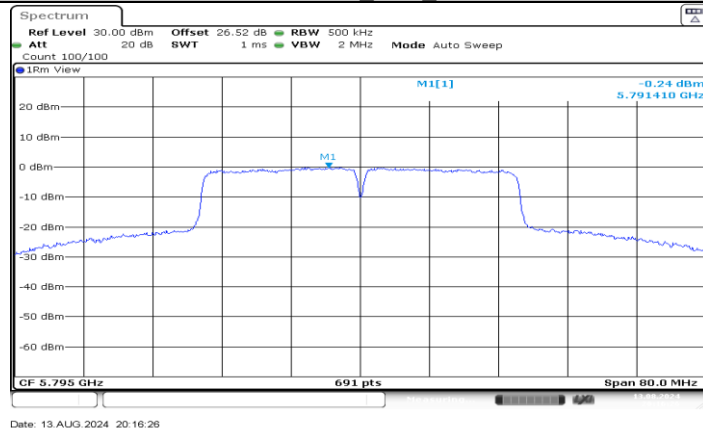
11N40SISO Ant1 5550



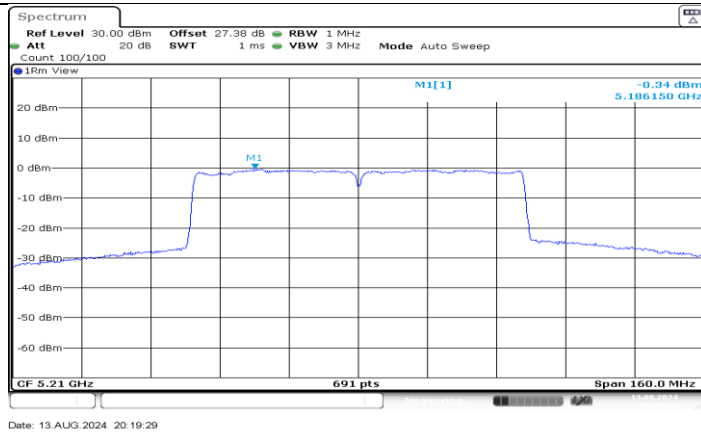
11N40SISO Ant1 5670



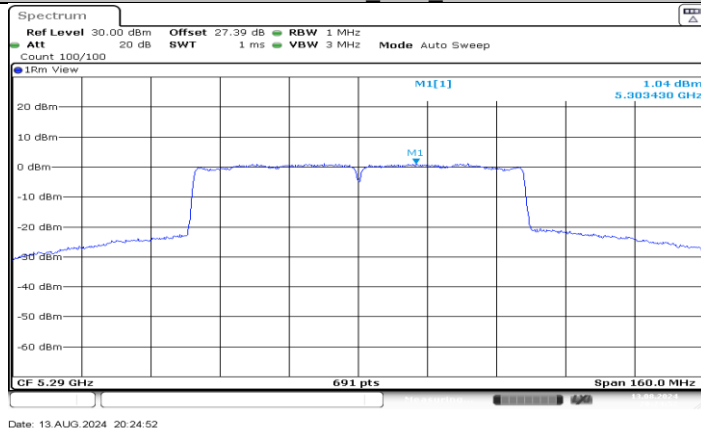
11N40SISO Ant1 5755



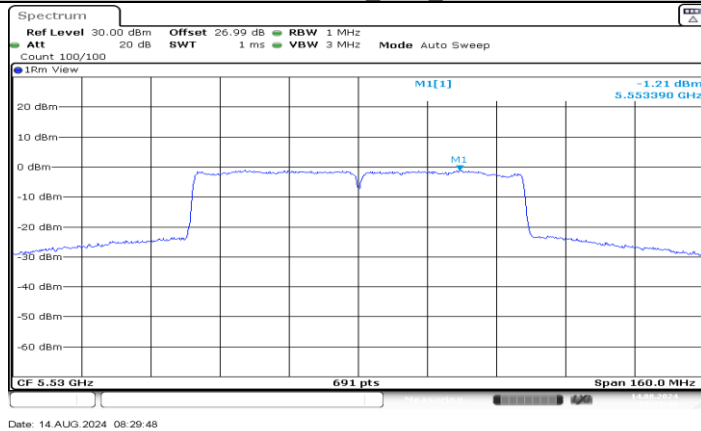
11N40SISO Ant1 5795



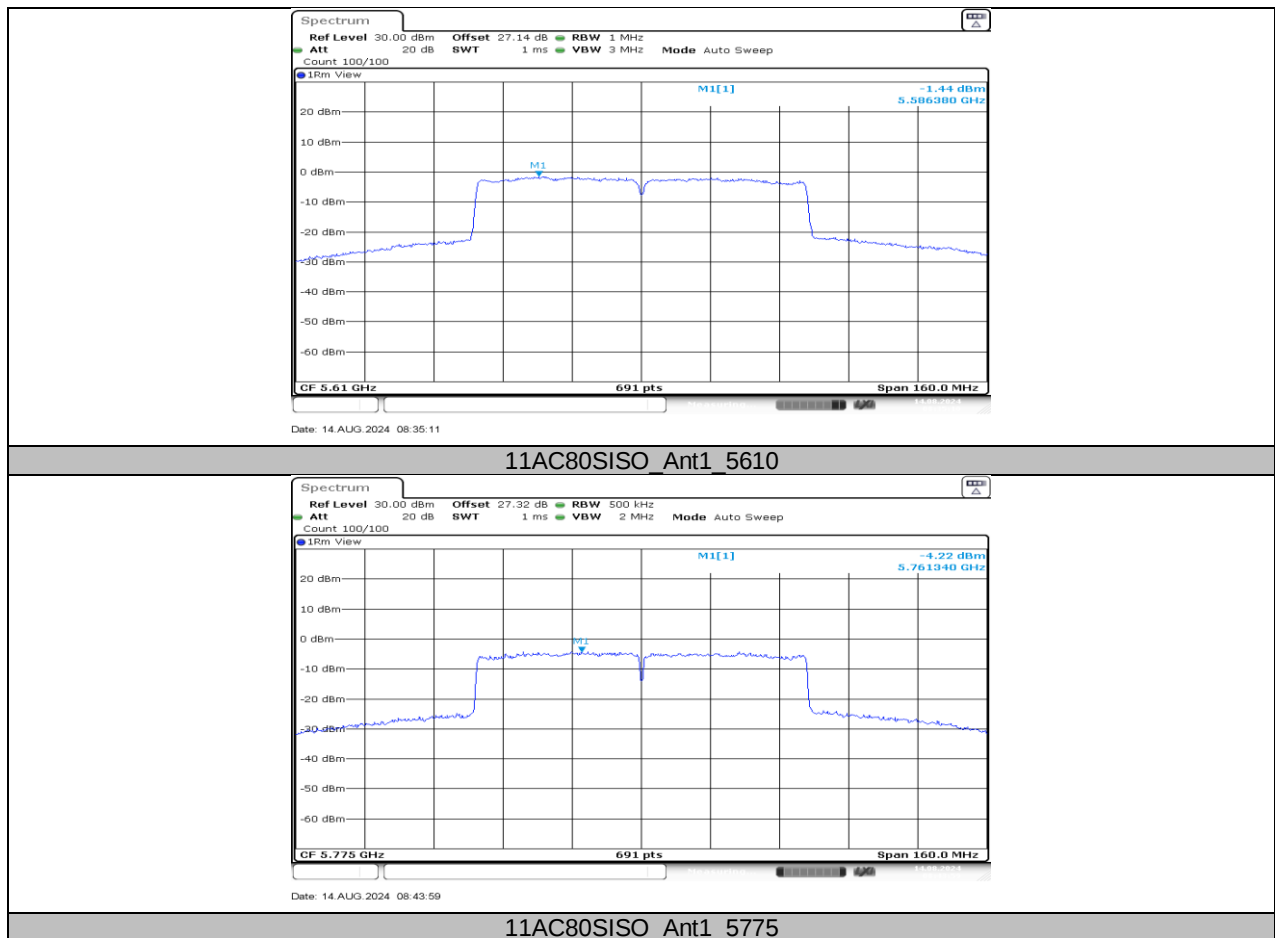
11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9753	-4.75	5200.0177	3.41	5199.9981	-0.36	5199.9778	-4.27
TN	VN	5199.9908	-1.77	5199.9937	-1.21	5199.9807	-3.71	5199.9920	-1.55
TN	VH	5199.9917	-1.59	5200.0123	2.36	5200.0118	2.28	5200.0182	3.50
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
35	VN	5199.9862	-2.65	5199.9904	-1.84	5200.0116	2.23	5200.0213	4.09
30	VN	5199.9898	-1.96	5199.9880	-2.31	5200.0147	2.83	5200.0125	2.40
20	VN	5199.9945	-1.05	5199.9979	-0.41	5200.0202	3.89	5200.0092	1.77
10	VN	5200.0041	0.80	5199.9884	-2.23	5200.0168	3.24	5199.9800	-3.85
0	VN	5200.0161	3.09	5200.0185	3.55	5199.9933	-1.29	5200.0092	1.77

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	1.15	1.32	0.8712	87.12	0.60	0.87	1
11N40MIMO	2.45	2.88	0.8507	85.07	0.70	0.41	1
11AC80MIMO	0.29	0.46	0.6304	63.04	2.00	3.45	4

Note:

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

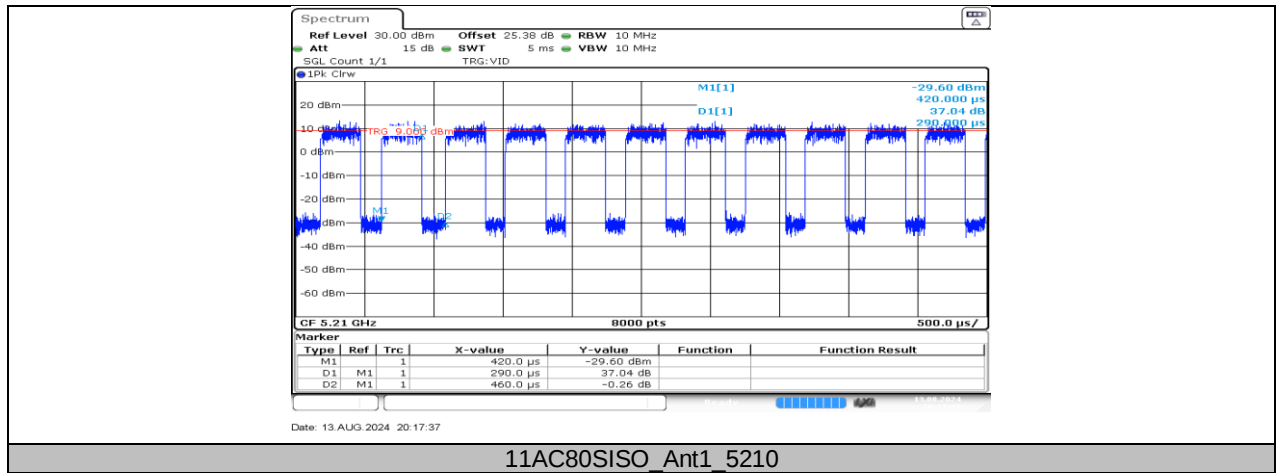
Where: x is Duty Cycle (Linear)

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

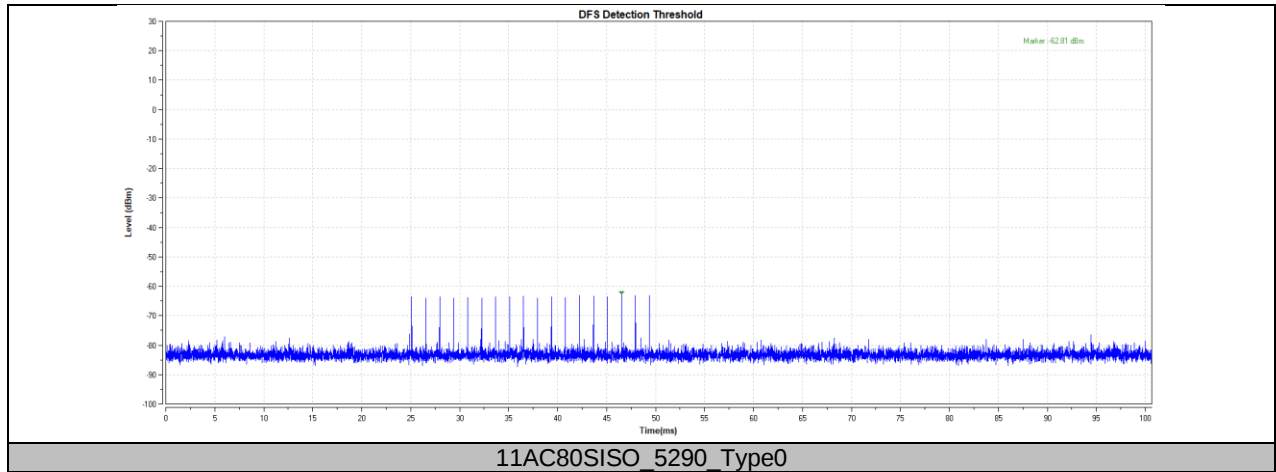




11.8. APPENDIX H: DFS DETECTION THRESHOLDS**11.8.1. Test Result**

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
11AC80SISO	5290	Type0	-62.81	-61.00	PASS

11.8.2. Test Graphs

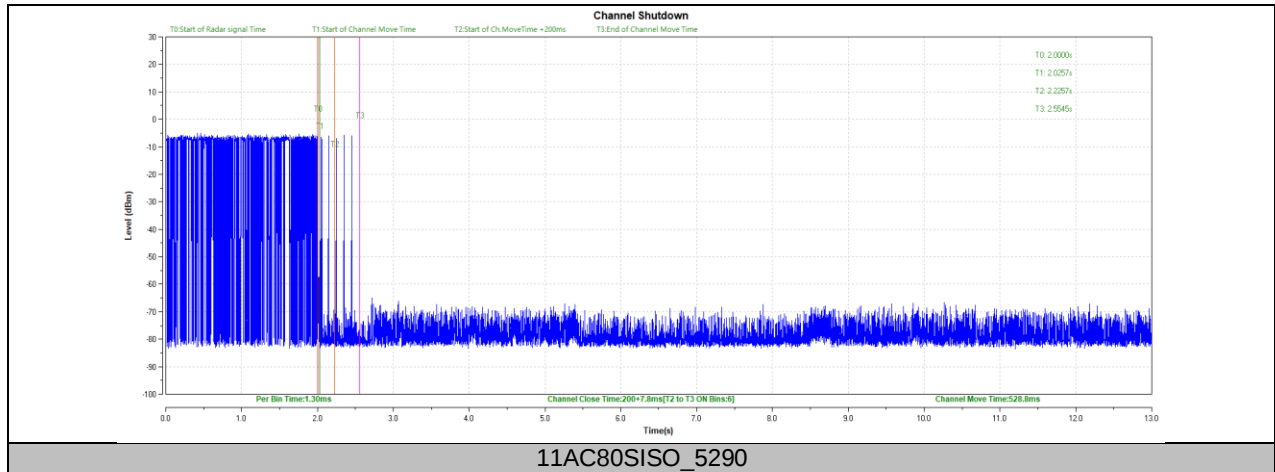


11.9. APPENDIX I: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.9.1. Test Result

Test Mode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5290	200+7.8	200+60	528.8	10000	PASS

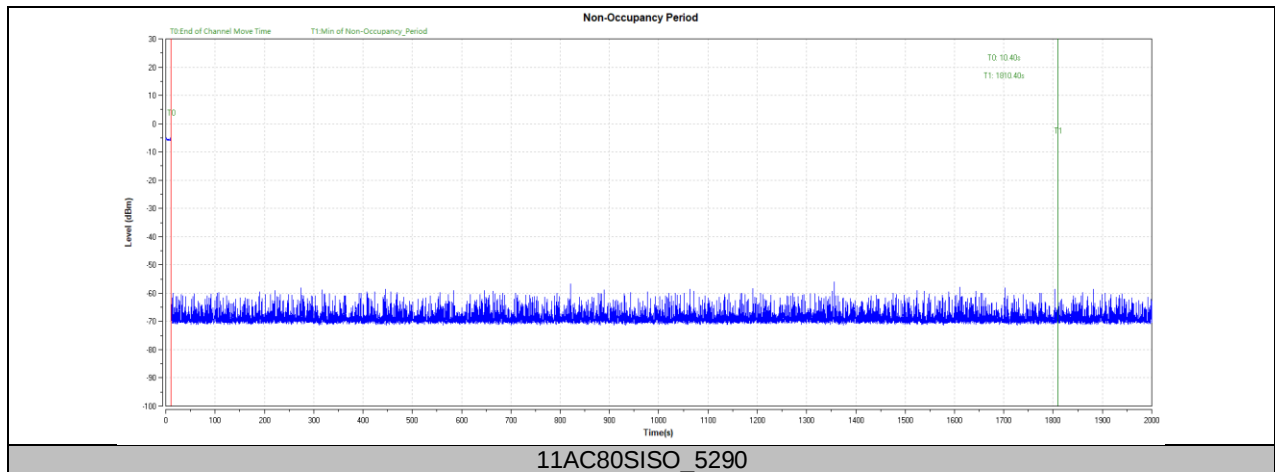
11.9.2. Test Graphs



11.10. APPENDIX J: NON-OCCUPANCY PERIOD**11.10.1. Test Result**

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80SISO	5290	see test graph	≥1800	PASS

11.10.2. Test Graphs



APPENDIX: PHOTOGRAPHS OF TEST CONFIGURATION

Referred to 4791434720-1_Appendix_SetupPhoto

APPENDIX: PHOTOGRAPHS OF THE EUT

Referred to 4791434720-1_Appendix_EUTPhoto_External

Referred to 4791434720-1_Appendix_EUTPhoto_Internal

END OF REPORT