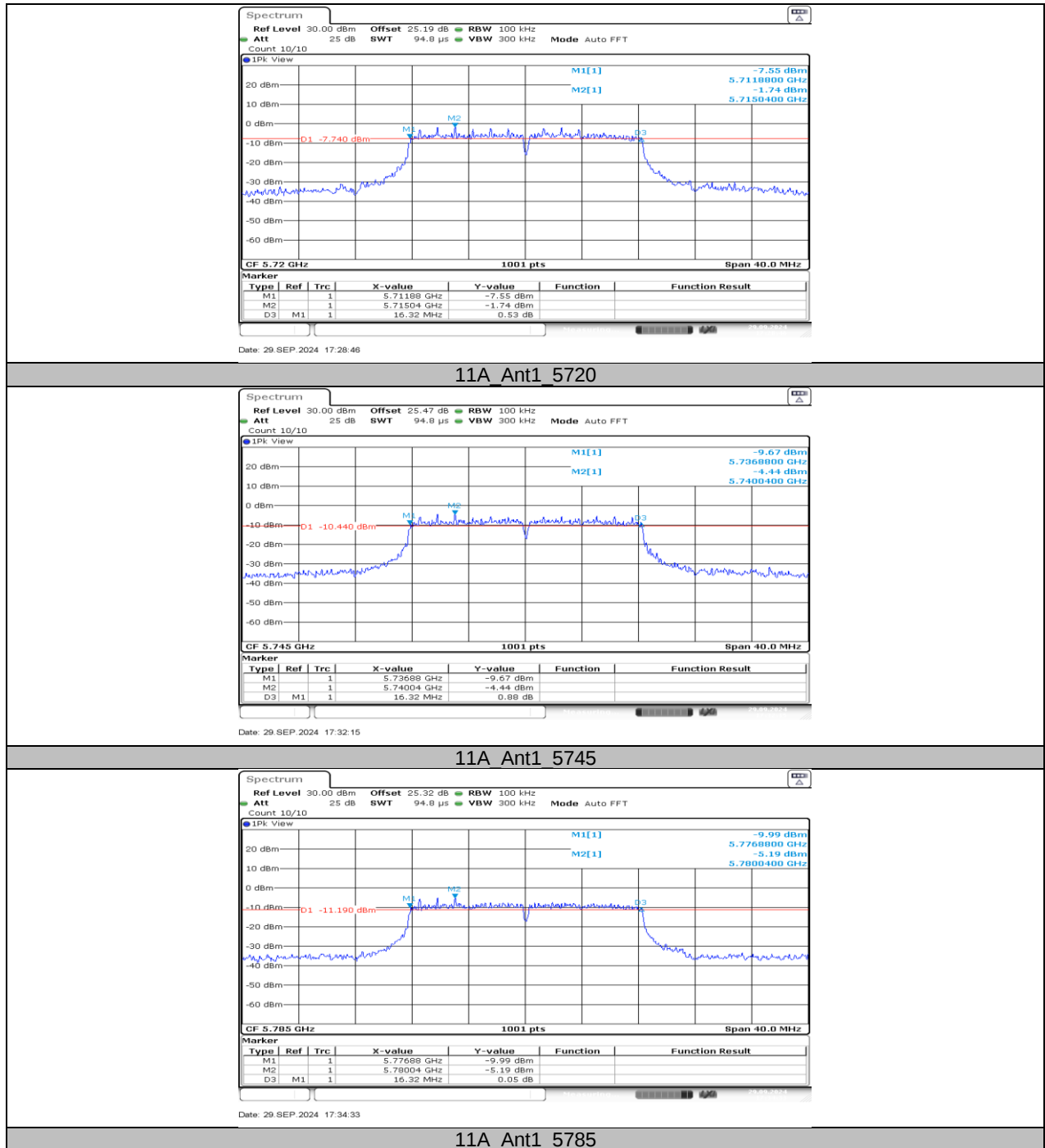


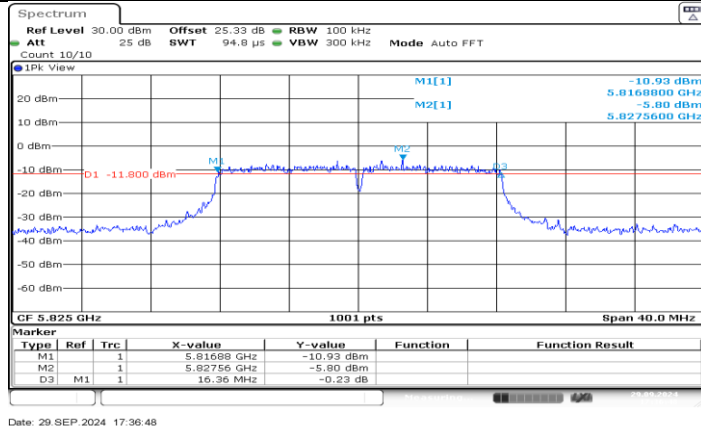
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

11.3.1. Test Result

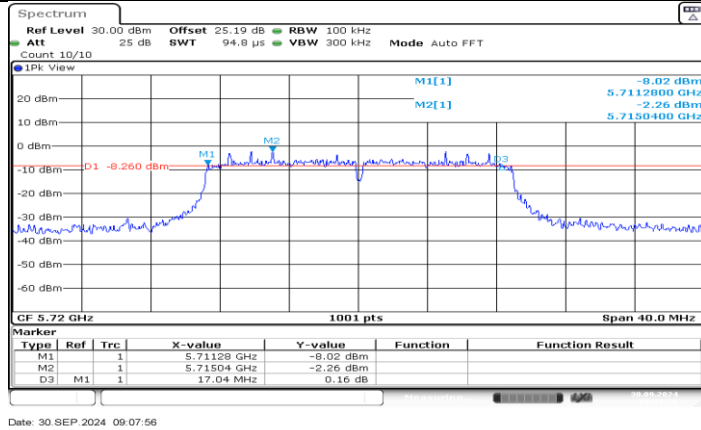
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	16.32	5711.88	5728.20	≥0.5	PASS
		5720 UNII-3	3.2	5725	5728.20	≥0.5	PASS
		5745	16.32	5736.88	5753.20	≥0.5	PASS
		5785	16.32	5776.88	5793.20	≥0.5	PASS
		5825	16.36	5816.88	5833.24	≥0.5	PASS
11N20SISO	Ant1	5720	17.04	5711.28	5728.32	≥0.5	PASS
		5720 UNII-3	3.32	5725	5728.32	≥0.5	PASS
		5745	17.60	5736.24	5753.84	≥0.5	PASS
		5785	17.32	5776.52	5793.84	≥0.5	PASS
		5825	16.80	5816.64	5833.44	≥0.5	PASS
11N40SISO	Ant1	5710	35.20	5692.48	5727.68	≥0.5	PASS
		5710 UNII-3	2.68	5725	5727.68	≥0.5	PASS
		5755	35.12	5737.48	5772.60	≥0.5	PASS
		5795	35.12	5777.56	5812.68	≥0.5	PASS

11.3.2. Test Graphs

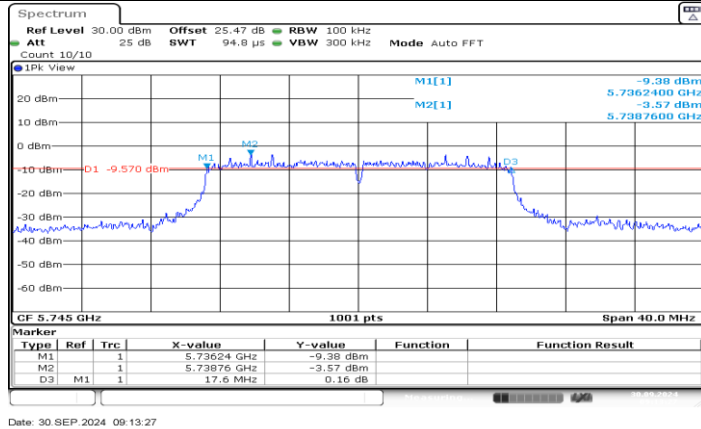




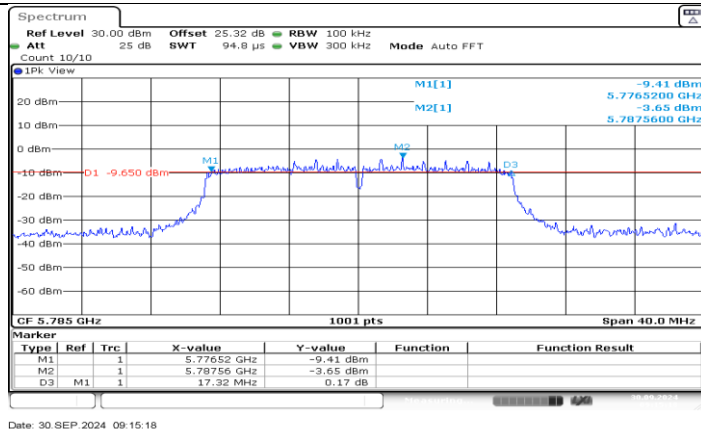
11A Ant1_5825



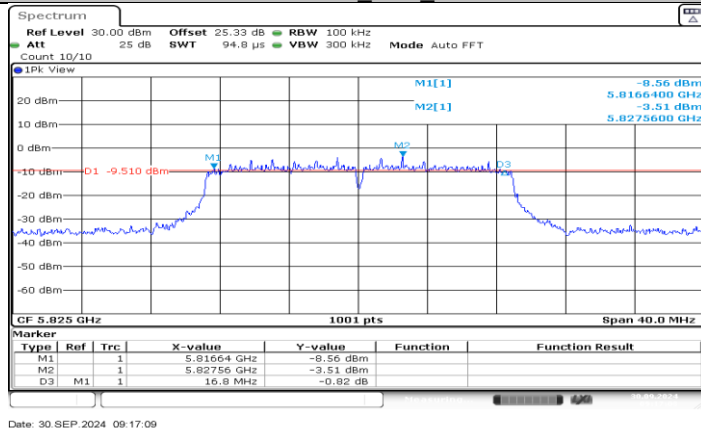
11N20SISO Ant1_5720



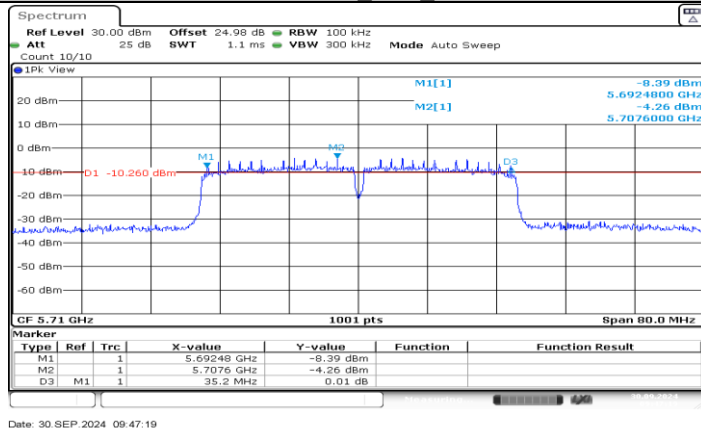
11N20SISO Ant1_5745



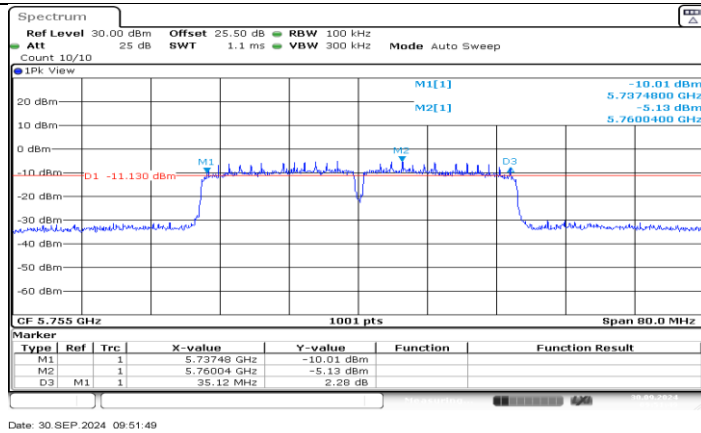
11N20SISO Ant1 5785



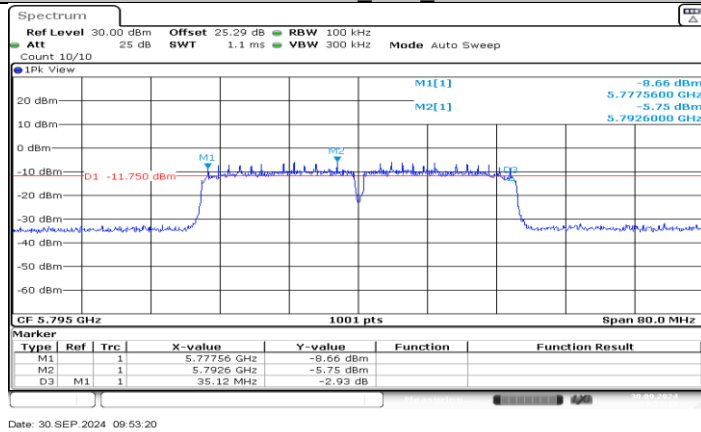
11N20SISO Ant1 5825



11N40SISO Ant1 5710



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

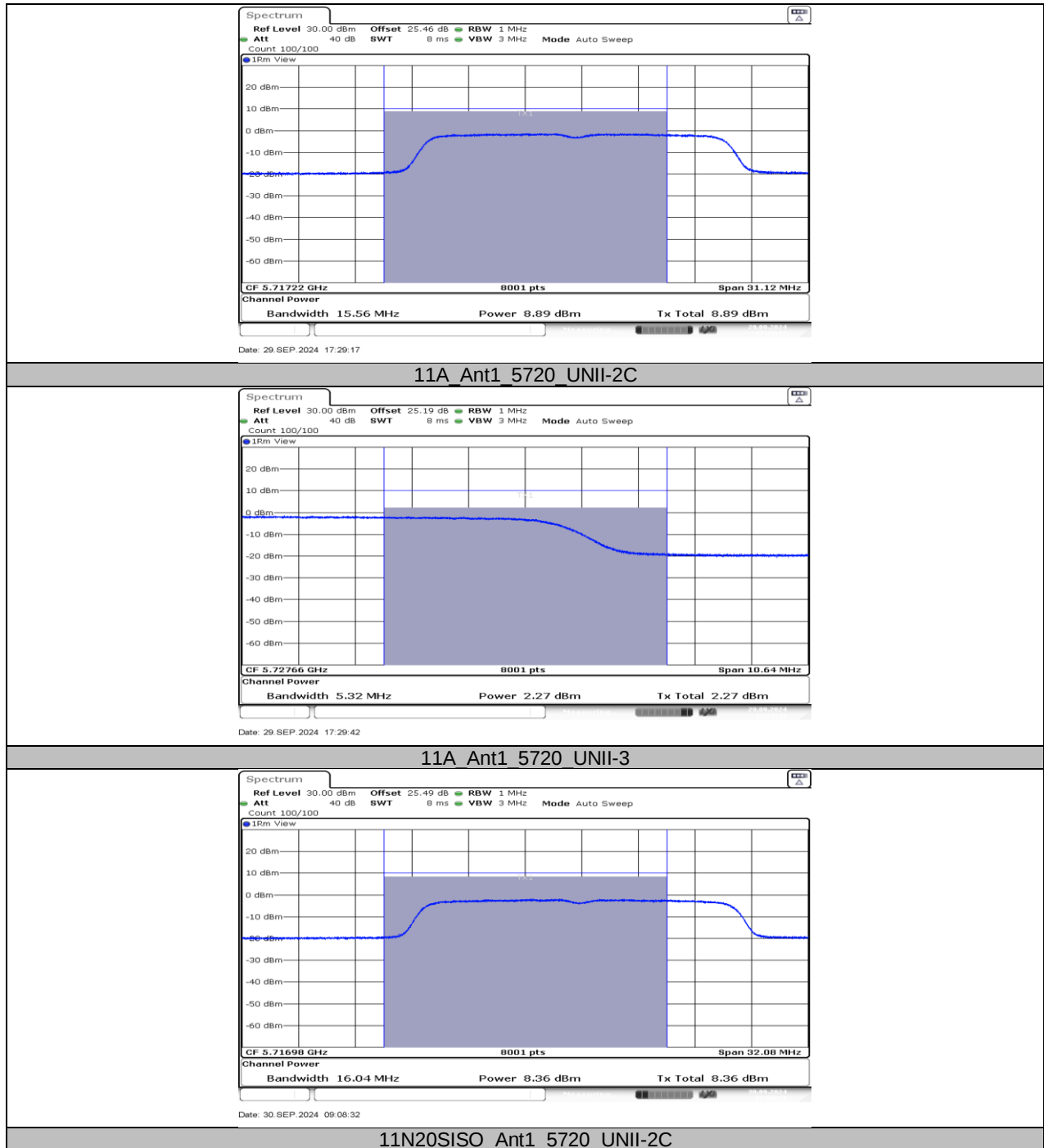
11.4.1. Test Result

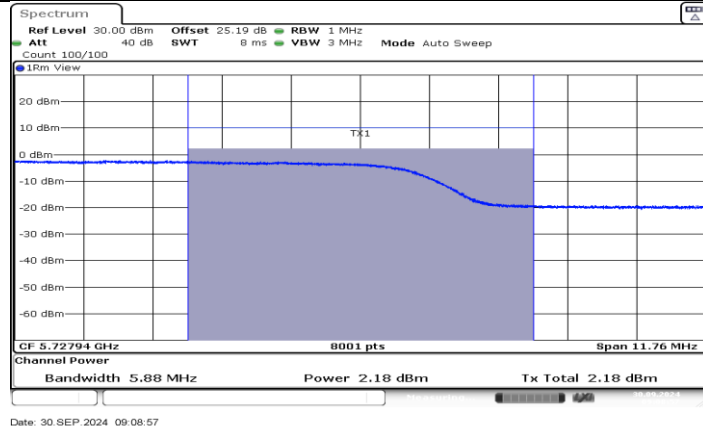
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.91	≤23.98	---	12.41	≤22.40	PASS
		5200	9.74	≤23.98	---	13.24	≤22.39	PASS
		5240	10.20	≤23.98	---	13.70	≤22.38	PASS
		5260	9.89	≤23.98	≤23.44	13.39	≤29.44	PASS
		5280	9.92	≤23.98	≤23.42	13.42	≤29.42	PASS
		5320	10.34	≤23.98	≤23.39	13.84	≤29.39	PASS
		5500	9.91	≤23.98	≤23.40	13.41	≤29.40	PASS
		5580	10.22	≤23.98	≤23.46	13.72	≤29.46	PASS
		5700	10.88	≤23.98	≤23.62	14.38	≤29.62	PASS
		5720 UNII-2C	8.89	≤22.92	≤22.36	12.39	≤28.36	PASS
		5720 UNII-3	2.27	≤30.00	≤30.00	5.77	---	PASS
		5745	7.79	≤30.00	≤30.00	11.29	---	PASS
		5785	7.08	≤30.00	≤30.00	10.58	---	PASS
		5825	6.69	≤30.00	≤30.00	10.19	---	PASS
11N20SISO	Ant1	5180	11.30	≤23.98	---	14.80	≤22.64	PASS
		5200	11.76	≤23.98	---	15.26	≤22.62	PASS
		5240	12.24	≤23.98	---	15.74	≤22.62	PASS
		5260	10.67	≤23.98	≤23.62	14.17	≤29.62	PASS
		5280	10.63	≤23.98	≤23.63	14.13	≤29.63	PASS
		5320	10.29	≤23.98	≤23.63	13.79	≤29.63	PASS
		5500	8.85	≤23.98	≤23.63	12.35	≤29.63	PASS
		5580	9.67	≤23.98	≤23.65	13.17	≤29.65	PASS
		5700	10.42	≤23.98	≤23.79	13.92	≤29.79	PASS
		5720 UNII-2C	8.36	≤23.05	≤22.47	11.86	≤28.47	PASS
		5720 UNII-3	2.18	≤30.00	≤30.00	5.68	---	PASS
		5745	8.86	≤30.00	≤30.00	12.36	---	PASS
		5785	8.11	≤30.00	≤30.00	11.61	---	PASS
		5825	7.97	≤30.00	≤30.00	11.47	---	PASS
11N40SISO	Ant1	5190	10.15	≤23.98	---	13.65	≤23.00	PASS
		5230	11.22	≤23.98	---	14.72	≤23.00	PASS
		5270	10.98	≤23.98	≤23.98	14.48	≤30.00	PASS
		5310	11.17	≤23.98	≤23.98	14.67	≤30.00	PASS
		5510	9.33	≤23.98	≤23.98	12.83	≤30.00	PASS
		5550	9.09	≤23.98	≤23.98	12.59	≤30.00	PASS
		5670	10.24	≤23.98	≤23.98	13.74	≤30.00	PASS
		5710 UNII-2C	9.44	≤23.98	≤23.98	12.94	≤30.00	PASS
		5710 UNII-3	-2.54	≤30.00	≤30.00	0.96	---	PASS
		5755	9.10	≤30.00	≤30.00	12.60	---	PASS
		5795	8.35	≤30.00	≤30.00	11.85	---	PASS

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

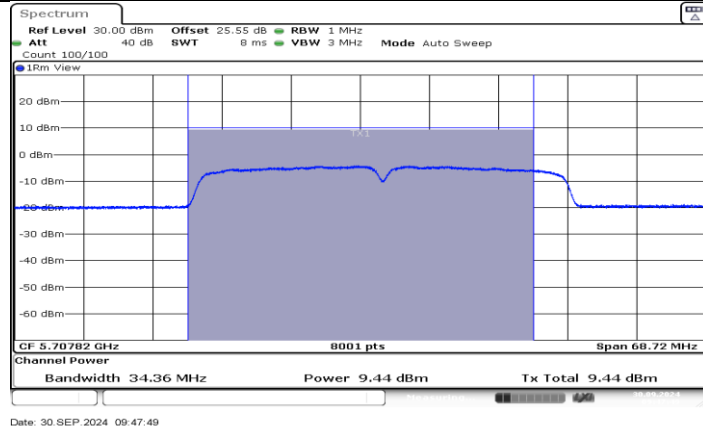
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.4.2. Test Graphs

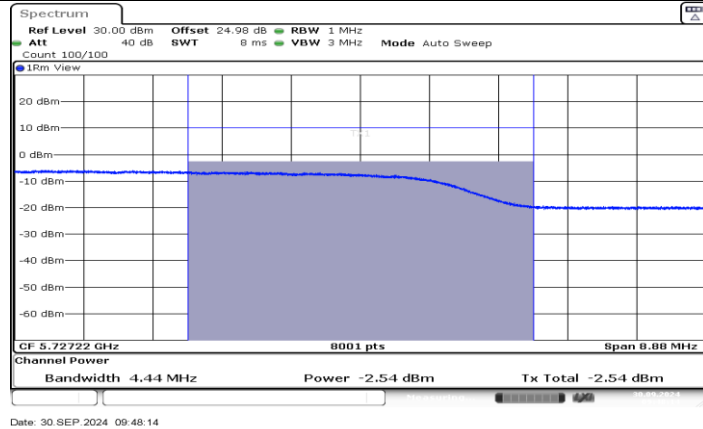




11N20SISO_Ant1_5720_UNII-3



11N40SISO_Ant1_5710_UNII-2C



11N40SISO_Ant1_5710_UNII-3

11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

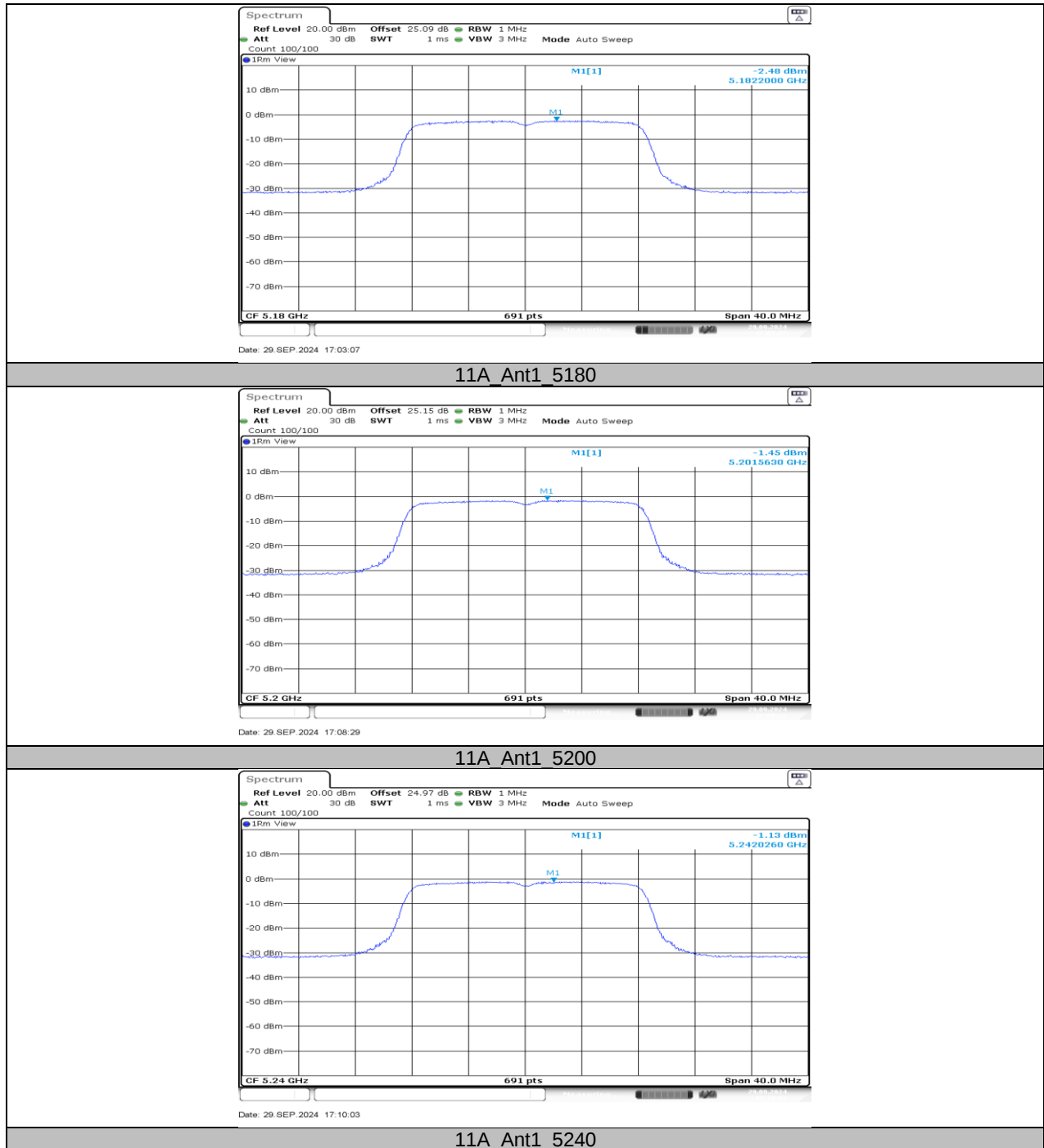
11.5.1. Test Result

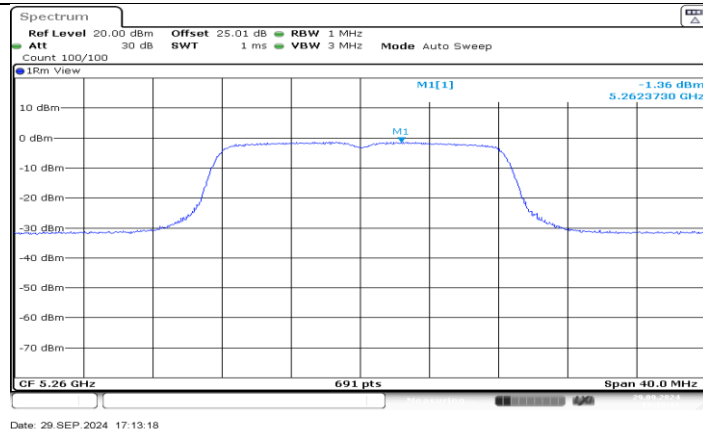
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	-2.48	≤11.00	1.02	≤10.00	PASS
		5200	-1.45	≤11.00	2.05	≤10.00	PASS
		5240	-1.13	≤11.00	2.37	≤10.00	PASS
		5260	-1.36	≤11.00	2.14	---	PASS
		5280	-1.44	≤11.00	2.06	---	PASS
		5320	-0.79	≤11.00	2.71	---	PASS
		5500	-1.20	≤11.00	2.30	---	PASS
		5580	-0.99	≤11.00	2.51	---	PASS
		5700	-0.35	≤11.00	3.15	---	PASS
		5720 UNII-2C	-1.45	≤11.00	2.05	---	PASS
		5720 UNII-3	-4.63	≤30.00	-1.13	---	PASS
		5745	-6.52	≤30.00	-3.02	---	PASS
		5785	-7.03	≤30.00	-3.53	---	PASS
		5825	-7.65	≤30.00	-4.15	---	PASS
11N20SISO	Ant1	5180	0.01	≤11.00	3.51	≤10.00	PASS
		5200	0.15	≤11.00	3.65	≤10.00	PASS
		5240	0.84	≤11.00	4.34	≤10.00	PASS
		5260	-0.68	≤11.00	2.82	---	PASS
		5280	-0.67	≤11.00	2.83	---	PASS
		5320	-1.16	≤11.00	2.34	---	PASS
		5500	-2.51	≤11.00	0.99	---	PASS
		5580	-1.79	≤11.00	1.71	---	PASS
		5700	-0.99	≤11.00	2.51	---	PASS
		5720 UNII-2C	-2.23	≤11.00	1.27	---	PASS
		5720 UNII-3	-5.33	≤30.00	-1.83	---	PASS
		5745	-5.45	≤30.00	-1.95	---	PASS
		5785	-6.30	≤30.00	-2.80	---	PASS
		5825	-6.49	≤30.00	-2.99	---	PASS
11N40SISO	Ant1	5190	-4.20	≤11.00	-0.70	≤10.00	PASS
		5230	-3.03	≤11.00	0.47	≤10.00	PASS
		5270	-3.37	≤11.00	0.13	---	PASS
		5310	-3.25	≤11.00	0.25	---	PASS
		5510	-5.00	≤11.00	-1.50	---	PASS
		5550	-5.29	≤11.00	-1.79	---	PASS
		5670	-4.13	≤11.00	-0.63	---	PASS
		5710 UNII-2C	-4.63	≤11.00	-1.13	---	PASS
		5710 UNII-3	-9.31	≤30.00	-5.81	---	PASS
		5755	-8.58	≤30.00	-5.08	---	PASS
		5795	-9.06	≤30.00	-5.56	---	PASS

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

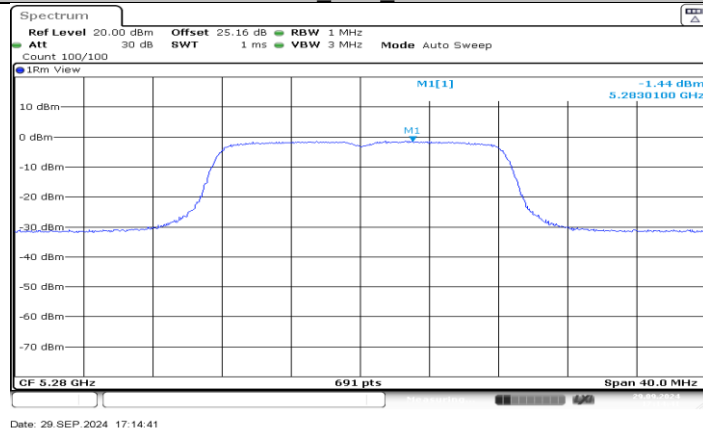
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

11.5.2. Test Graphs

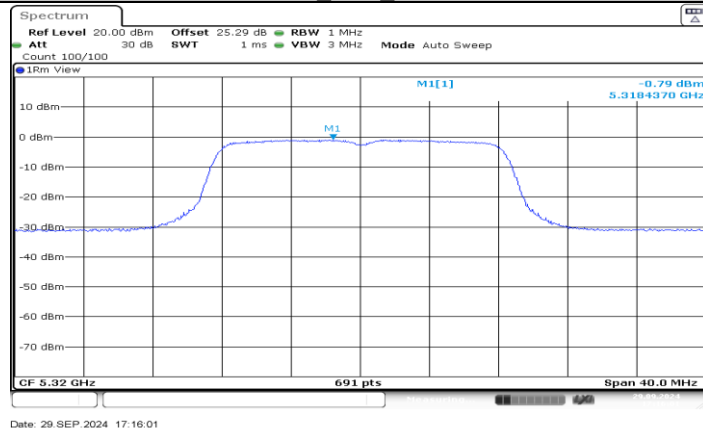




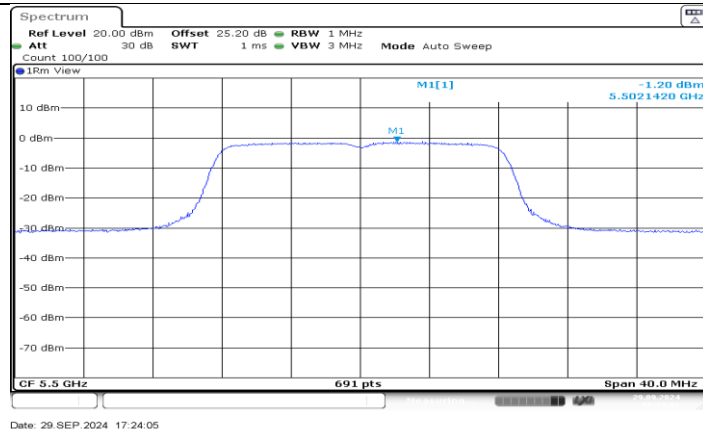
11A_Ant1_5260



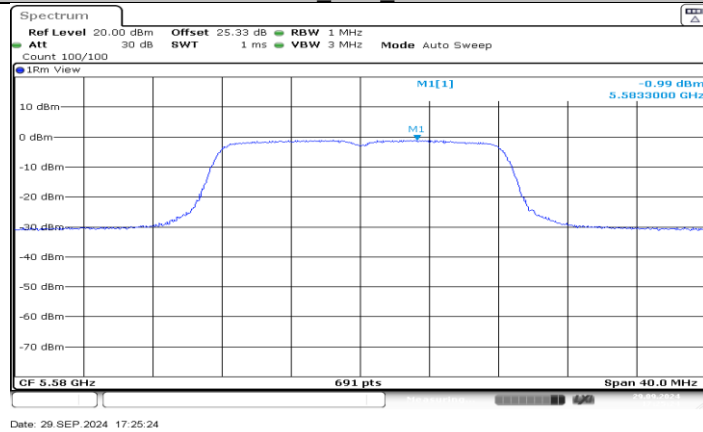
11A_Ant1_5280



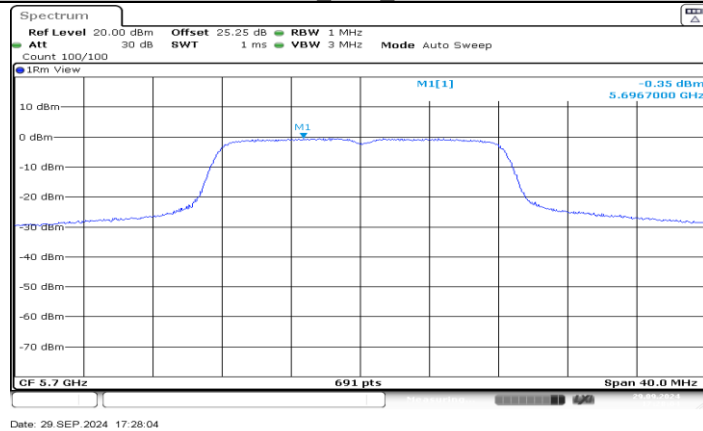
11A_Ant1_5320



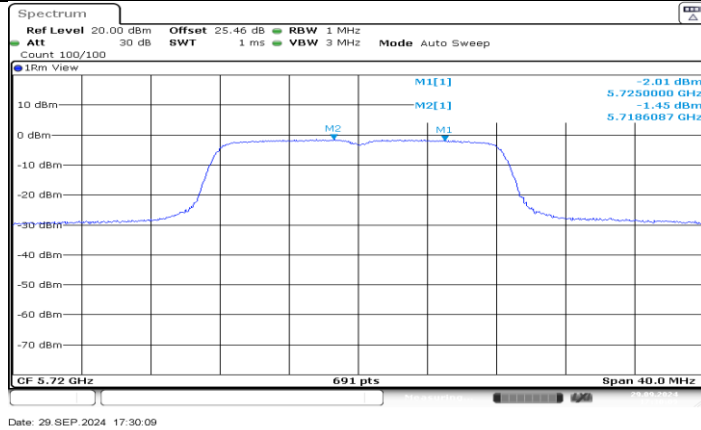
11A_Ant1_5500



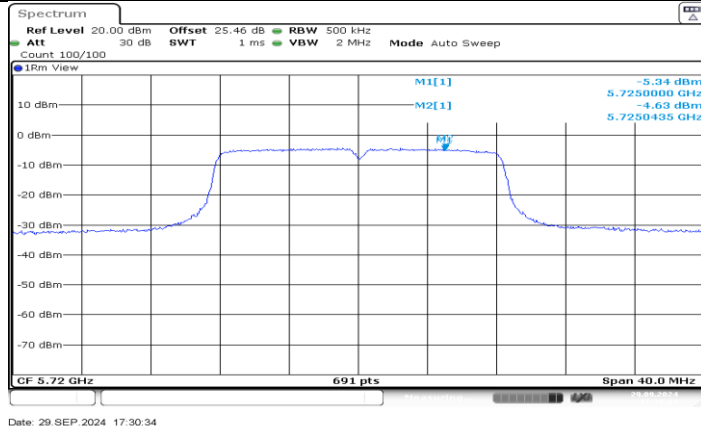
11A_Ant1_5580



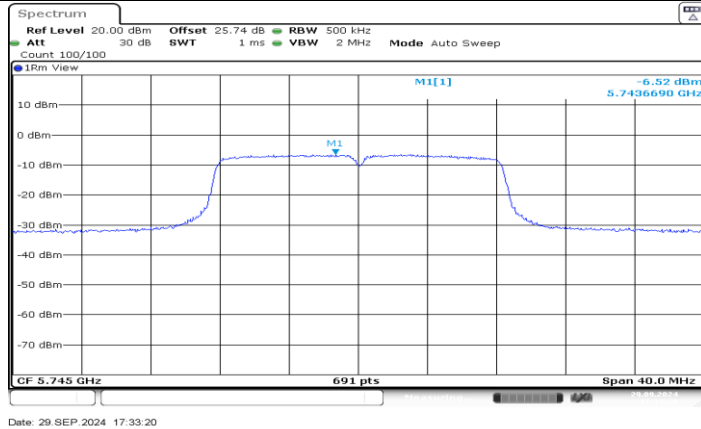
11A_Ant1_5700



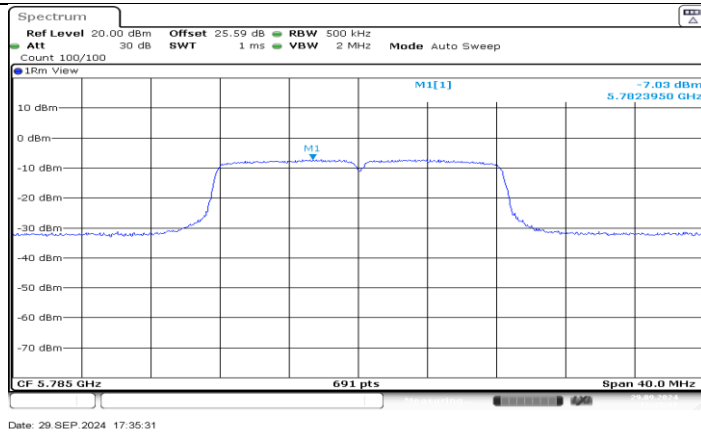
11A Ant1 5720 UNII-2C



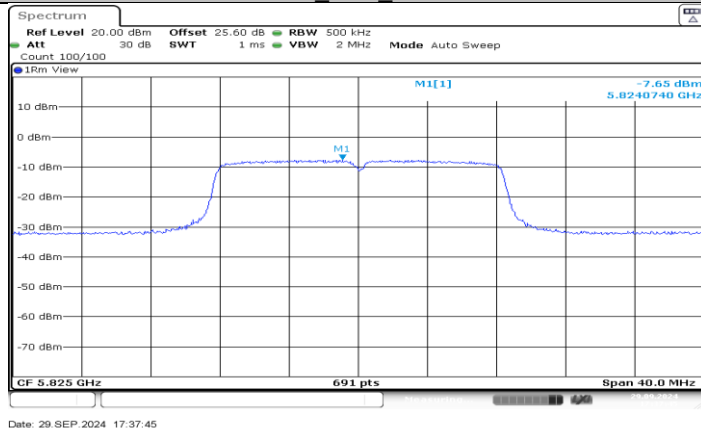
11A Ant1 5720 UNII-3



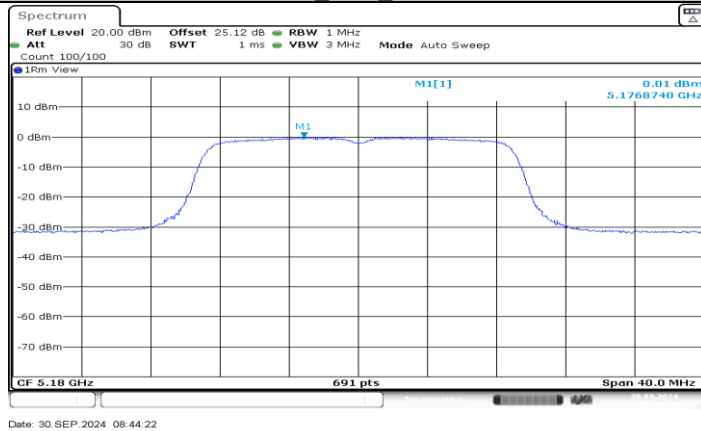
11A Ant1 5745



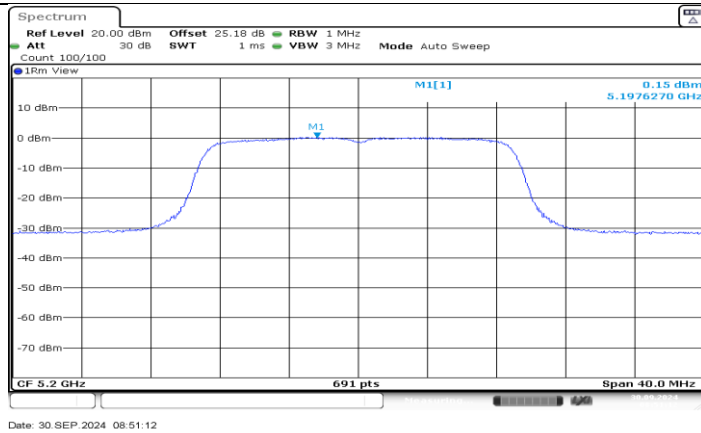
11A Ant1_5785



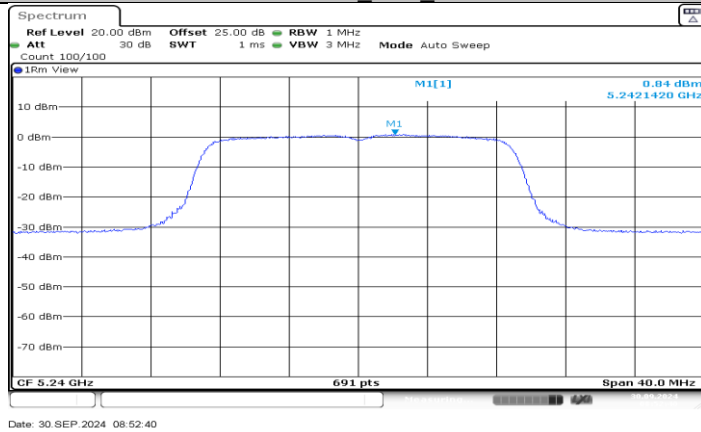
11A Ant1_5825



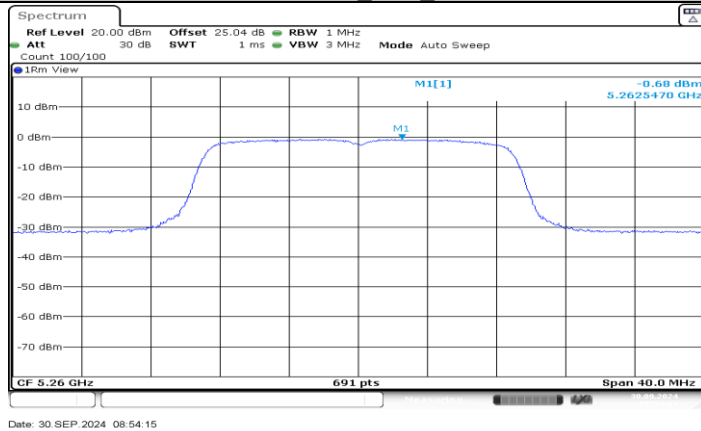
11N20SISO Ant1_5180



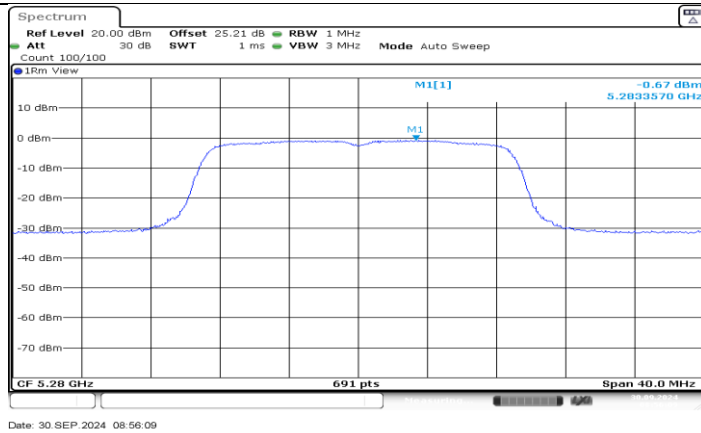
11N20SISO Ant1 5200



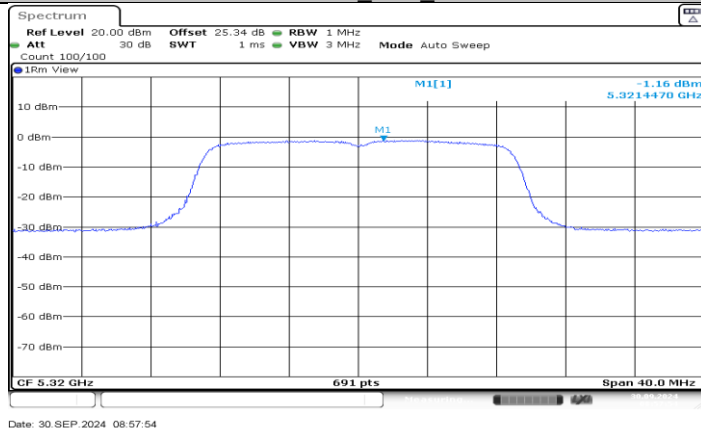
11N20SISO Ant1 5240



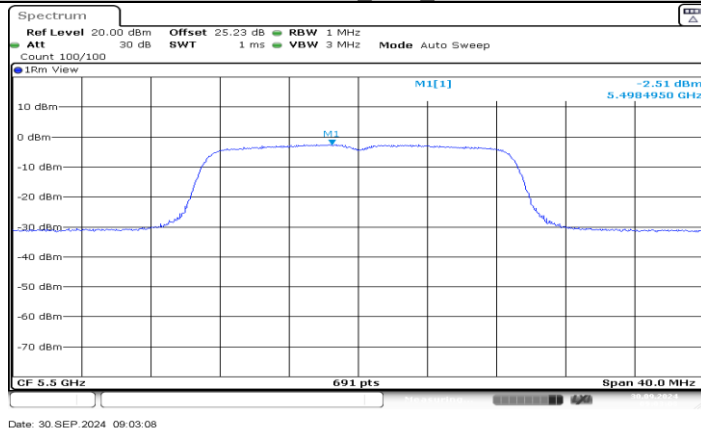
11N20SISO Ant1 5260



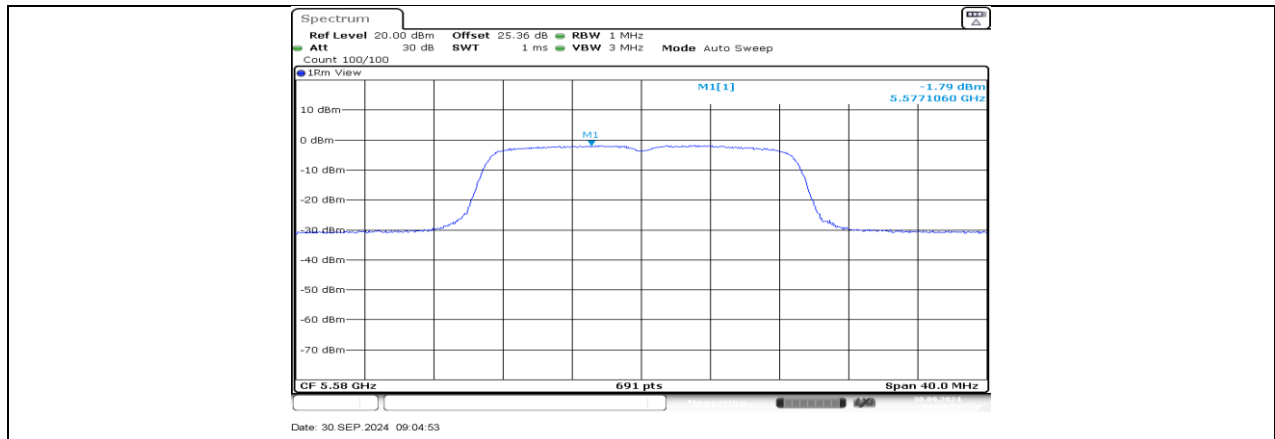
11N20SISO Ant1 5280



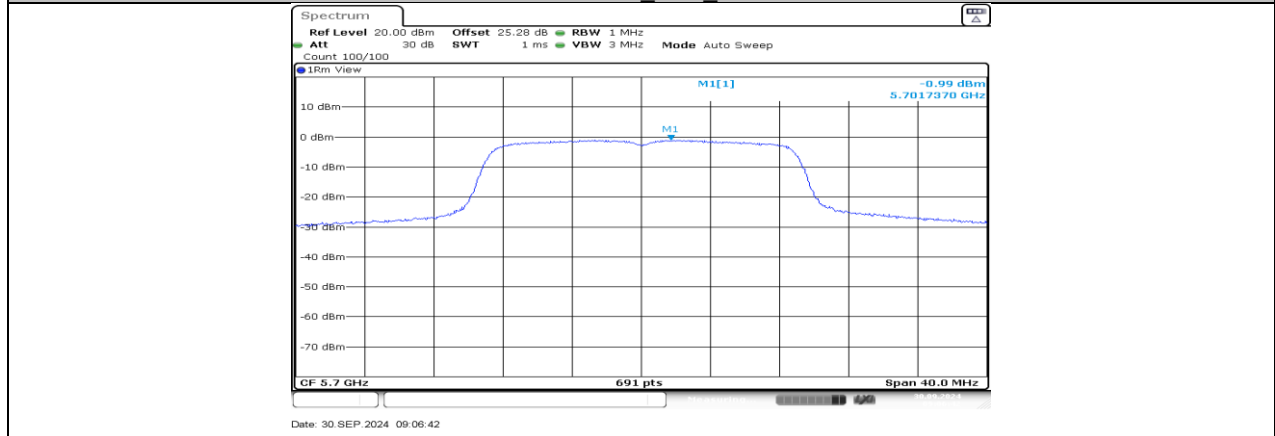
11N20SISO Ant1 5320



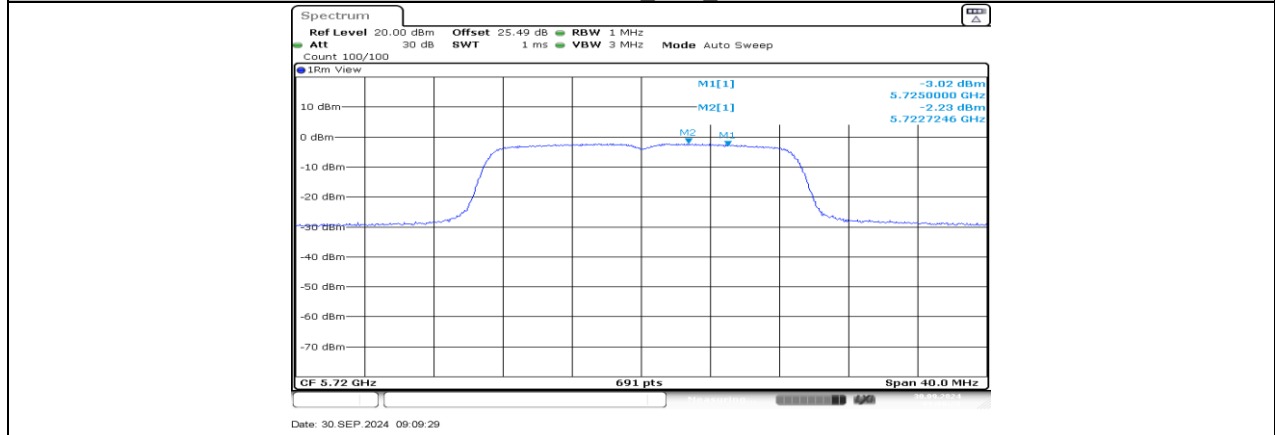
11N20SISO Ant1 5500



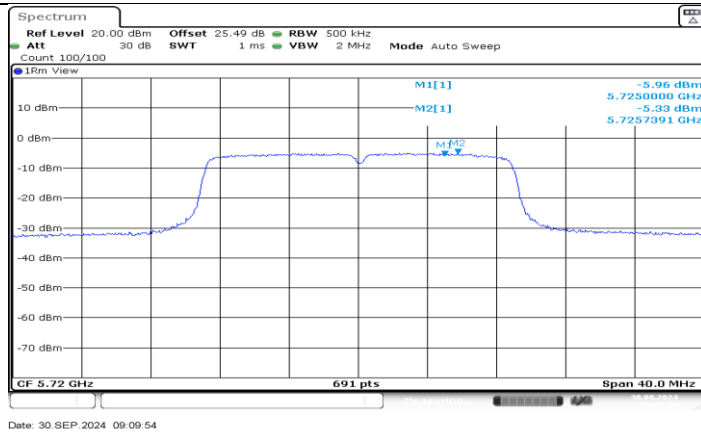
11N20SISO_Ant1_5580



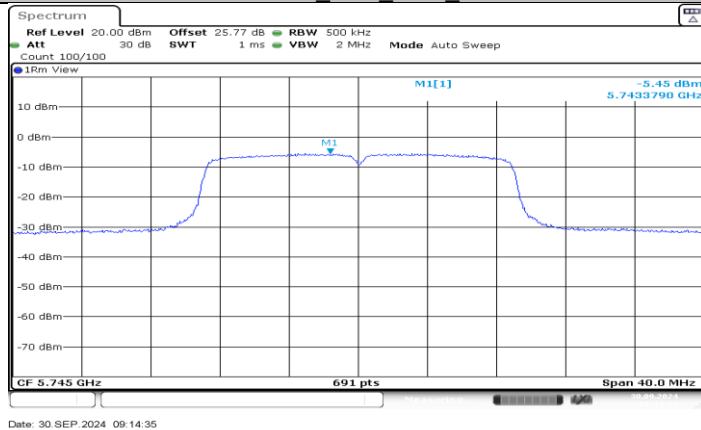
11N20SISO_Ant1_5700



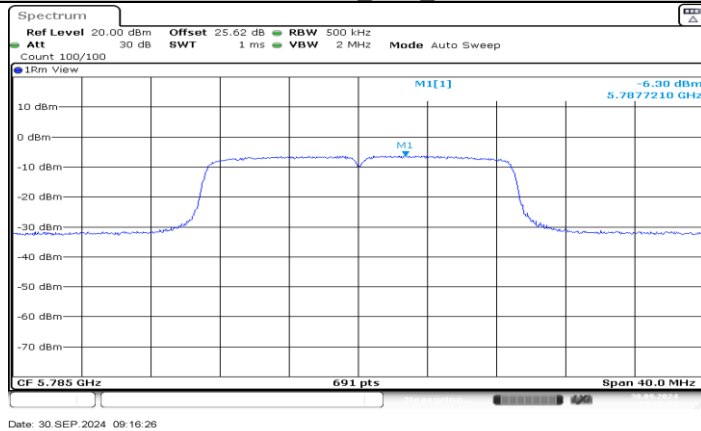
11N20SISO_Ant1_5720_UNII-2C



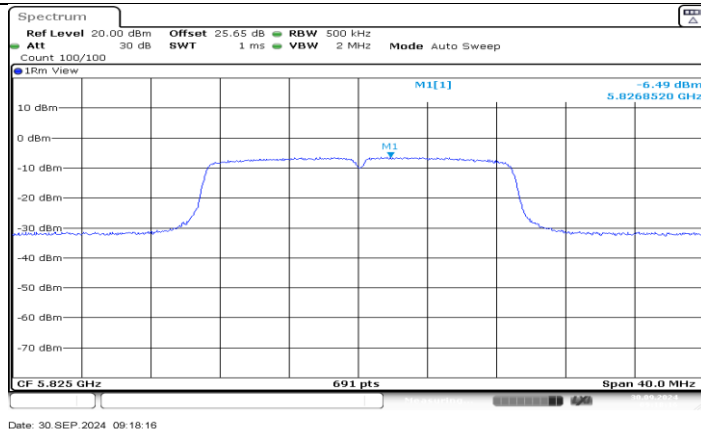
11N20SISO Ant1_5720_UNII-3



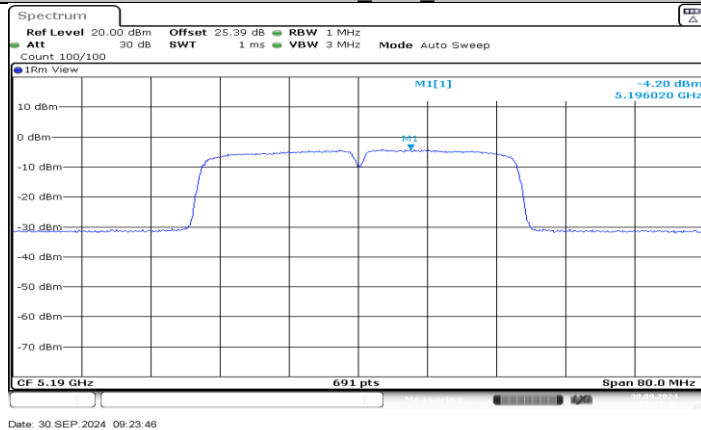
11N20SISO Ant1_5745



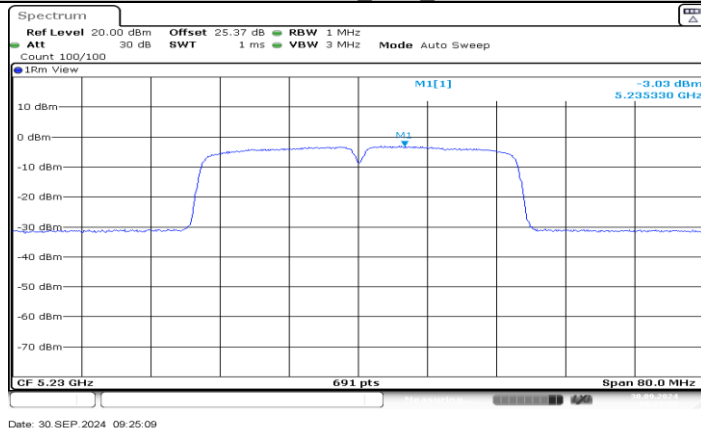
11N20SISO Ant1_5785



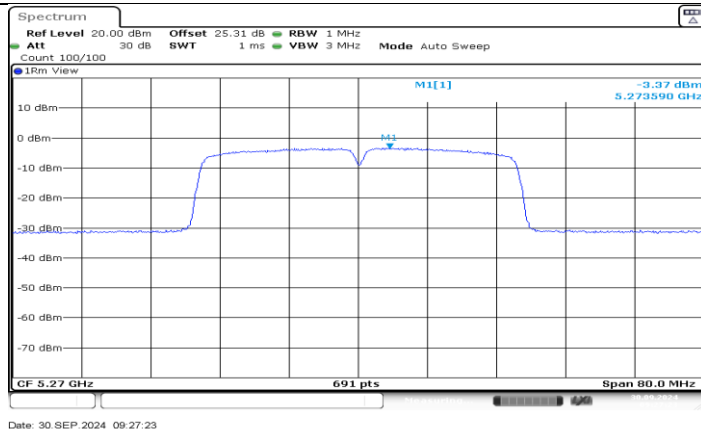
11N20SISO Ant1 5825



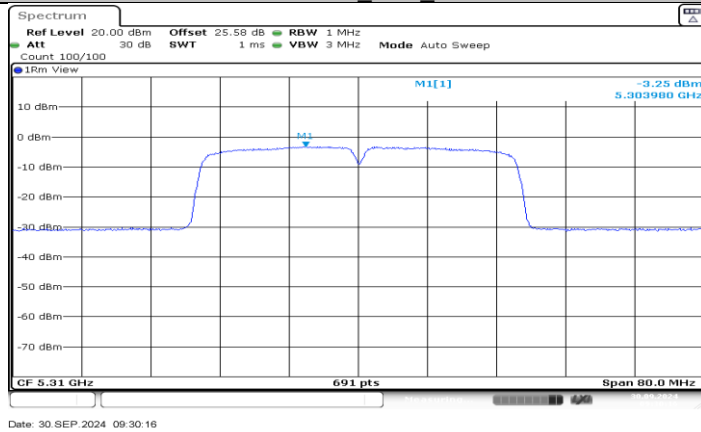
11N40SISO Ant1 5190



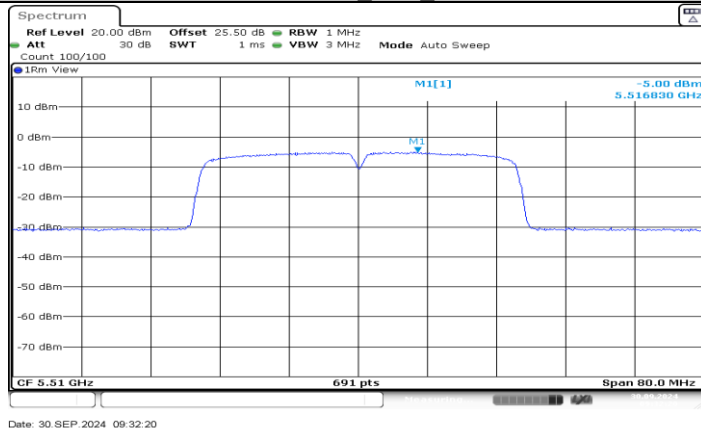
11N40SISO Ant1 5230



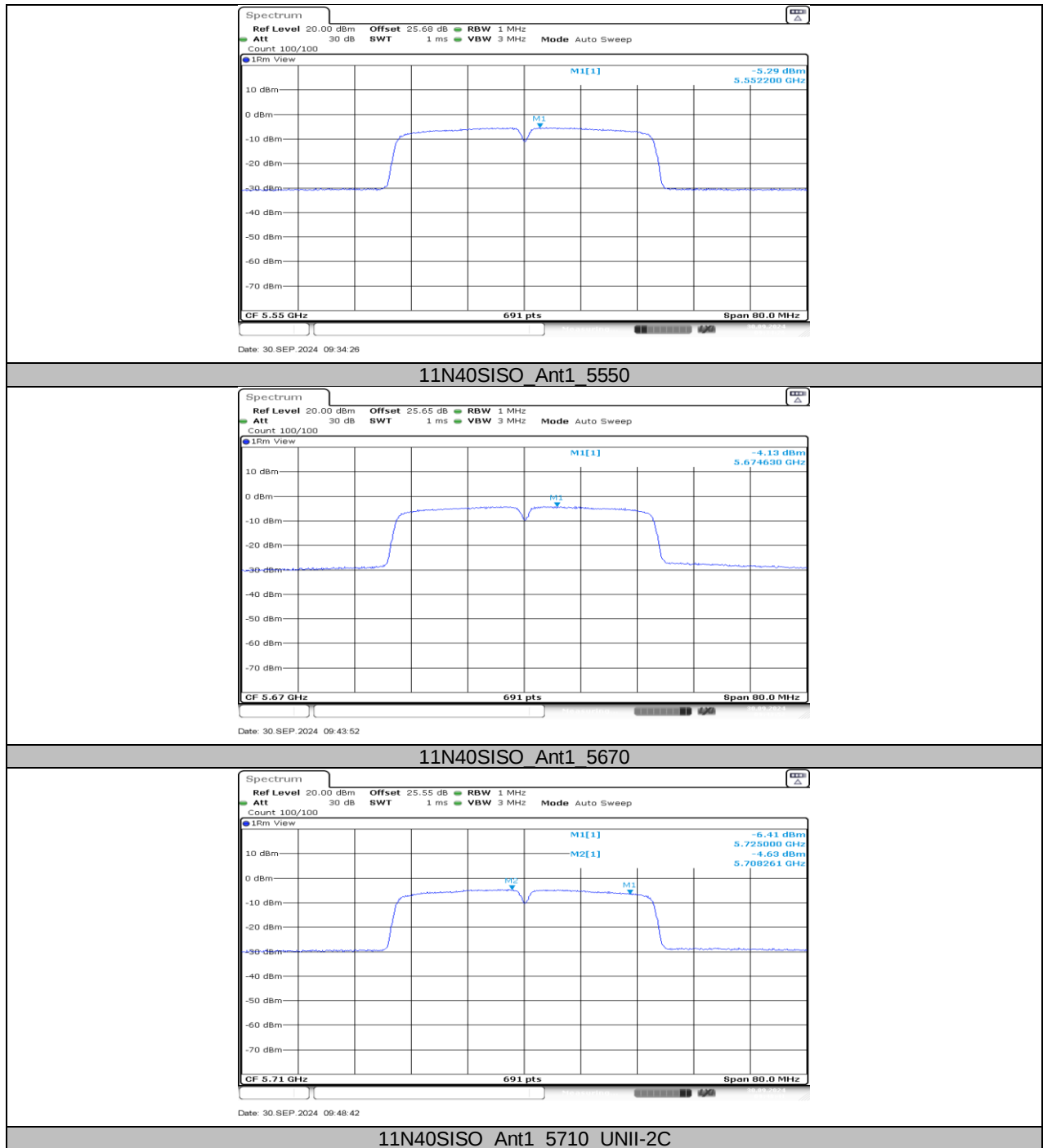
11N40SISO Ant1 5270

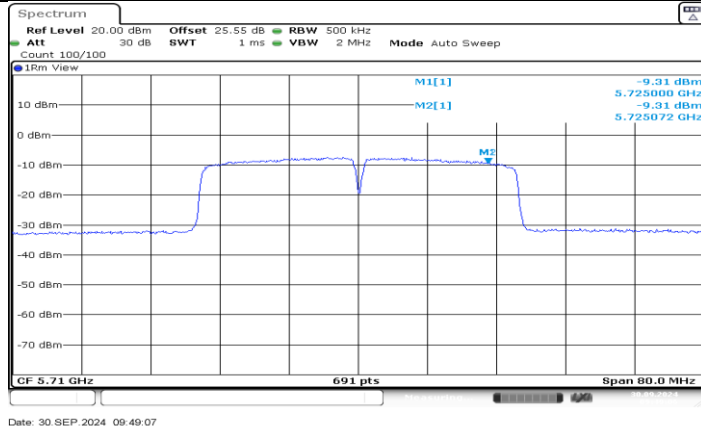


11N40SISO Ant1 5310

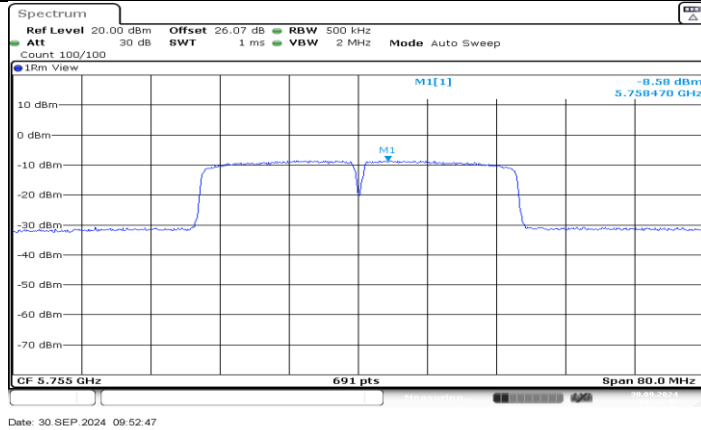


11N40SISO Ant1 5510

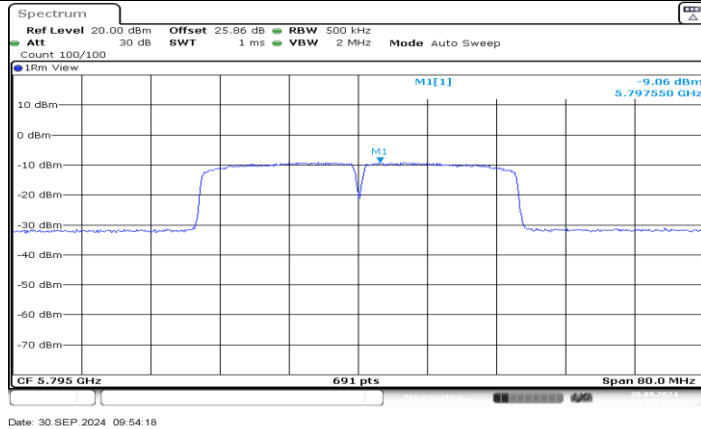




11N40SISO Ant1_5710_UNII-3



11N40SISO Ant1_5755



11N40SISO Ant1_5795

11.6. APPENDIX I: 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	5825.0019	0.32	5825.0163	2.80	5824.9928	-1.24	5825.0011	0.19
TN	VN	5824.9800	-3.43	5825.0215	3.68	5824.9851	-2.57	5825.0096	1.64
TN	VH	5825.0071	1.22	5825.0013	0.23	5825.0222	3.81	5825.0032	0.54
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)
60	VN	5824.9875	-2.14	5825.0187	3.20	5824.9758	-4.16	5824.9751	-4.28
50	VN	5825.0144	2.47	5824.9864	-2.33	5825.0101	1.73	5824.9942	-1.00
40	VN	5825.0199	3.42	5825.0024	0.41	5824.9894	-1.82	5824.9825	-3.00
30	VN	5825.0189	3.24	5825.0223	3.83	5825.0204	3.50	5824.9856	-2.48
20	VN	5824.9919	-1.39	5825.0203	3.49	5825.0002	0.03	5824.9946	-0.93
10	VN	5824.9870	-2.24	5825.0174	2.98	5825.0172	2.96	5825.0118	2.03
0	VN	5824.9965	-0.60	5824.9819	-3.10	5825.0041	0.71	5825.0192	3.30
-10	VN	5824.9899	-1.73	5824.9777	-3.83	5824.9925	-1.29	5825.0171	2.93
-20	VN	5824.9894	-1.81	5824.9783	-3.73	5825.0038	0.65	5824.9868	-2.27
-25	VN	5824.9987	-0.22	5825.0172	2.96	5825.0214	3.67	5824.9905	-1.63

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 J: 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	2.06	2.19	0.9406	94.06	0.27	0.49	1
11N20SISO	1.91	2.04	0.9363	93.63	0.29	0.52	1
11N40SISO	0.94	1.07	0.8785	87.85	0.56	1.06	2

Note:

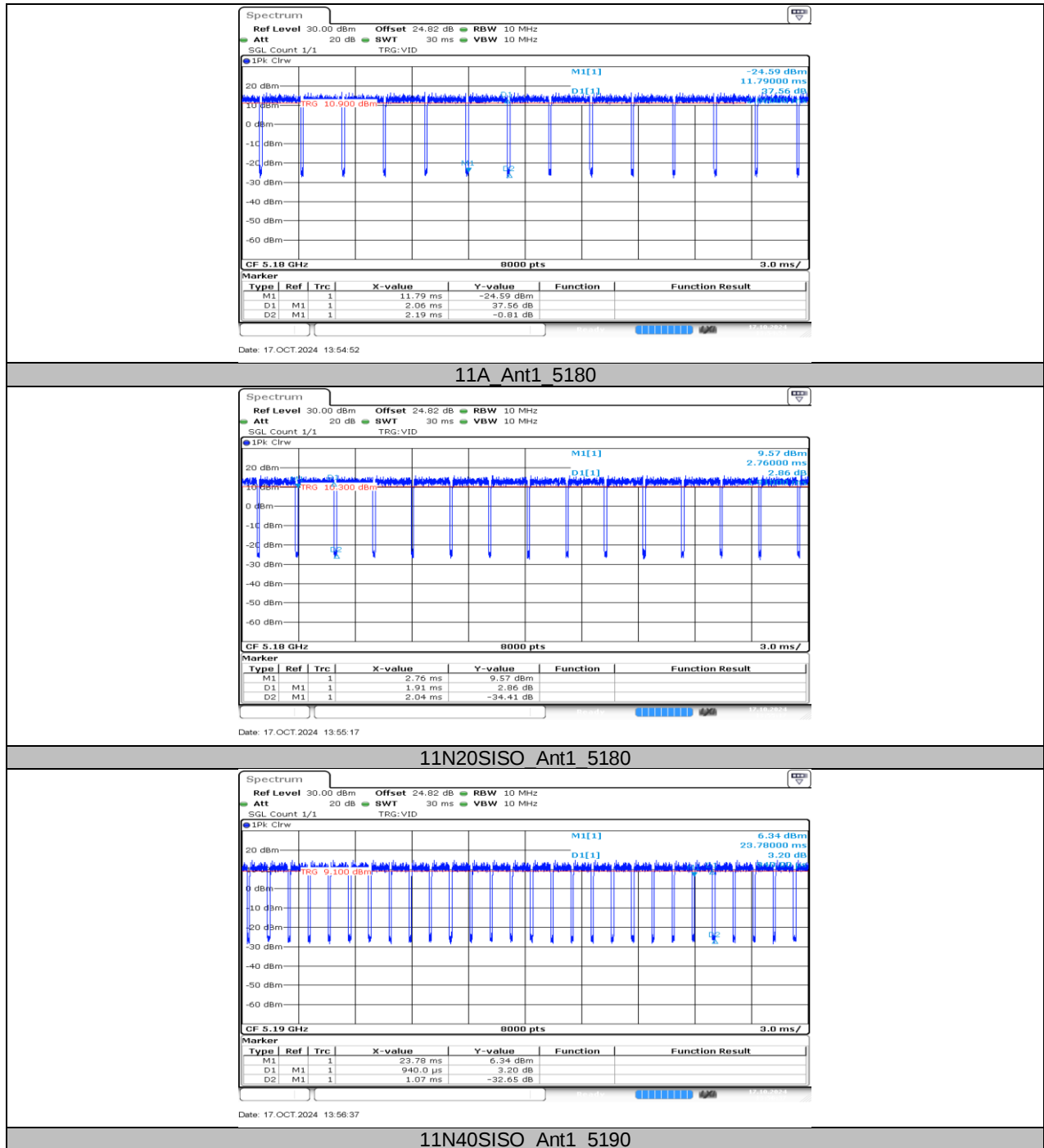
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

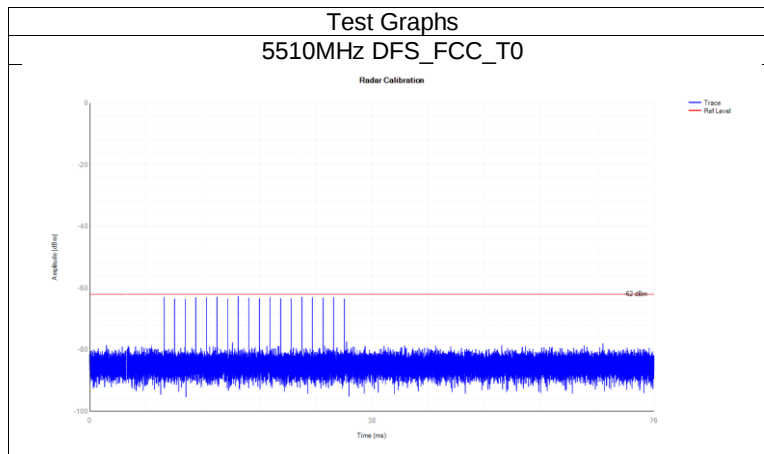
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs



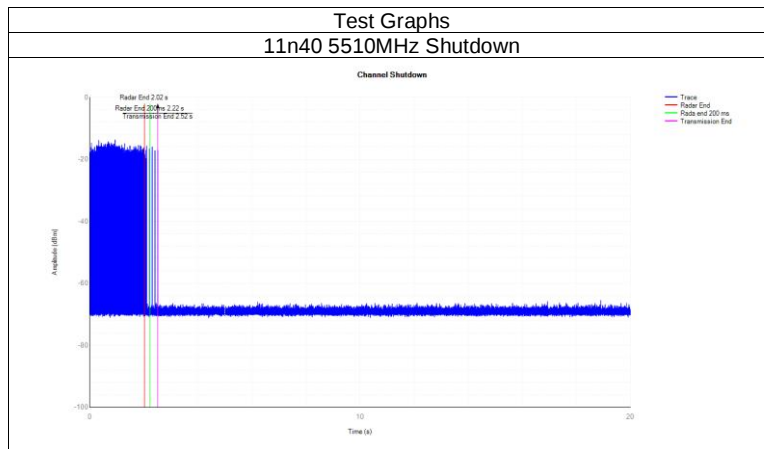
11.8. CALIBRATION

Mode	Frequency (MHz)	Type	Result	Verdict
11n40	5510	DFS_FCC_T0	See test Graph	Pass



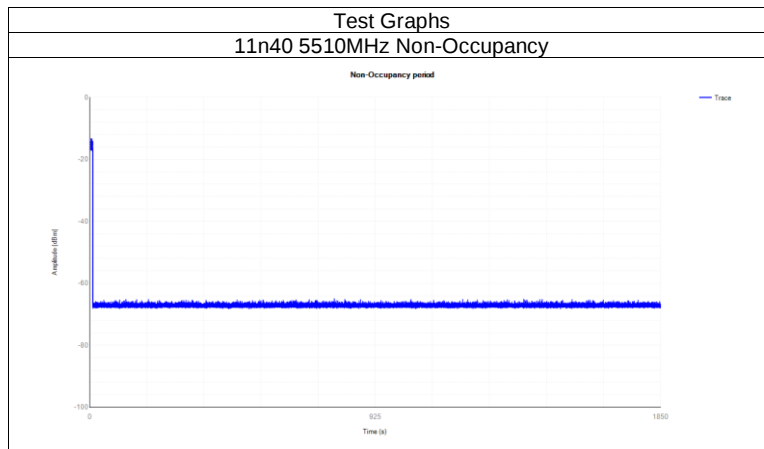
11.9. SHUTDOWN TIME

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
11n40	5510	0.492	10	0.019	0.26	0.003	0.06	Pass



11.10. NON-OCCUPANCY

Mode	Frequency (MHz)	Result	Verdict
11n40	5510	See test Graph	Pass



END OF REPORT