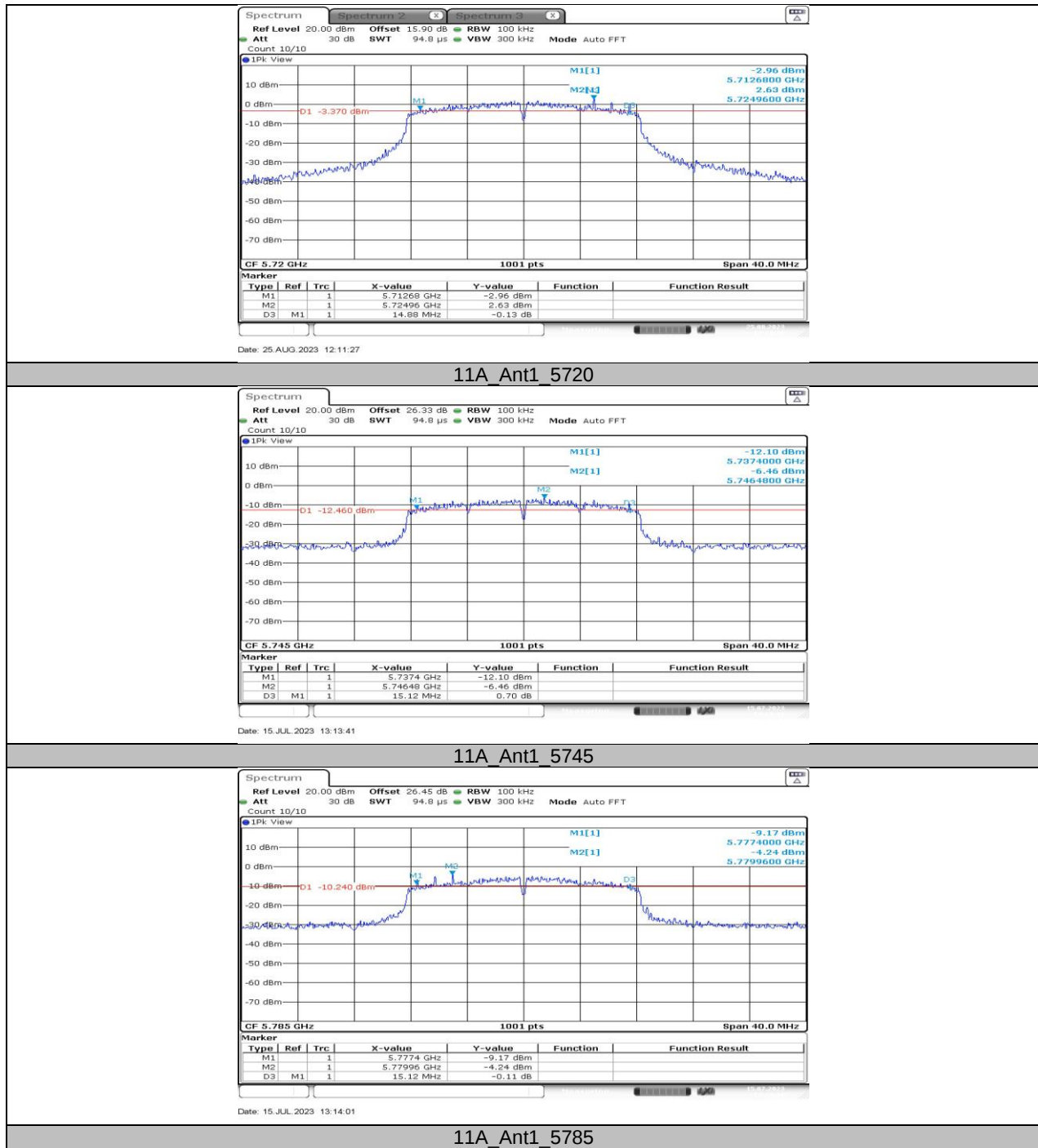
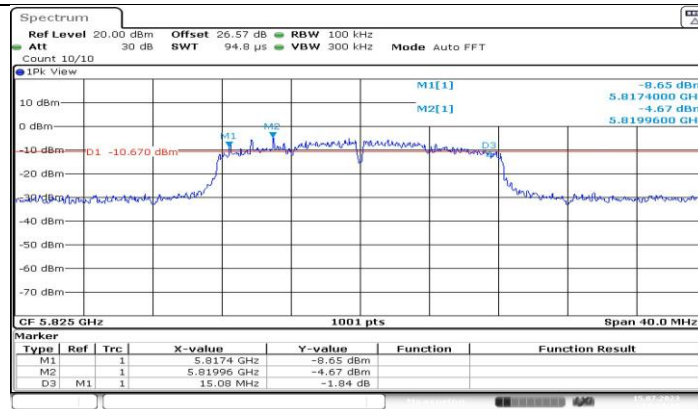


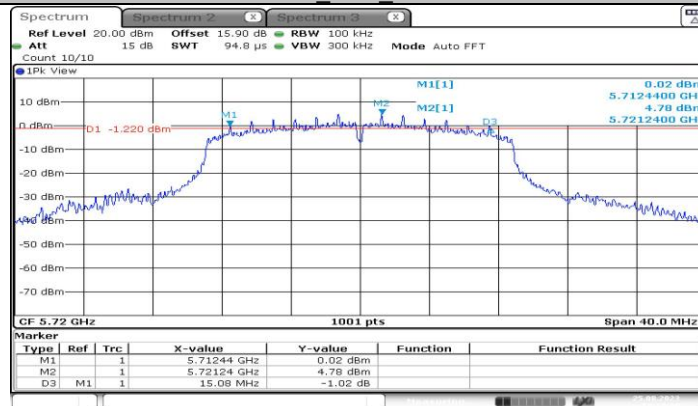
11.3.2. Test Graphs





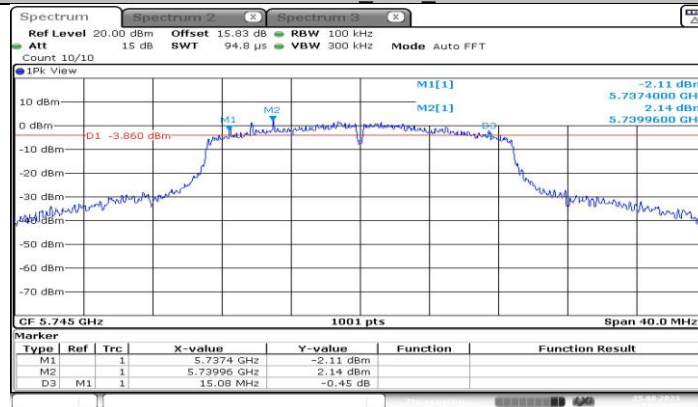
Date: 15 JUL 2023 13:14:20

11A Ant1 5825



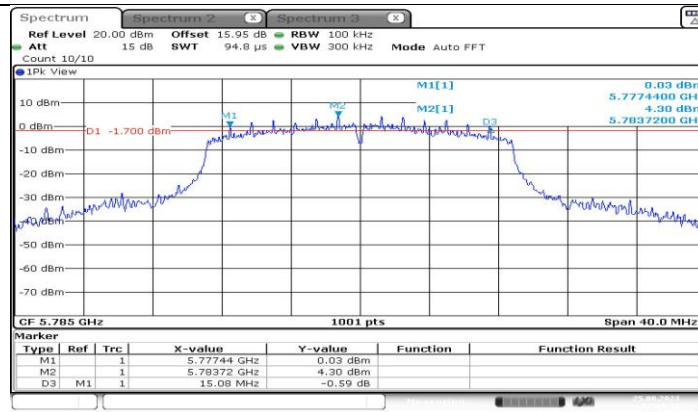
Date: 25 AUG 2023 12:17:00

11N20SISO Ant1 5720

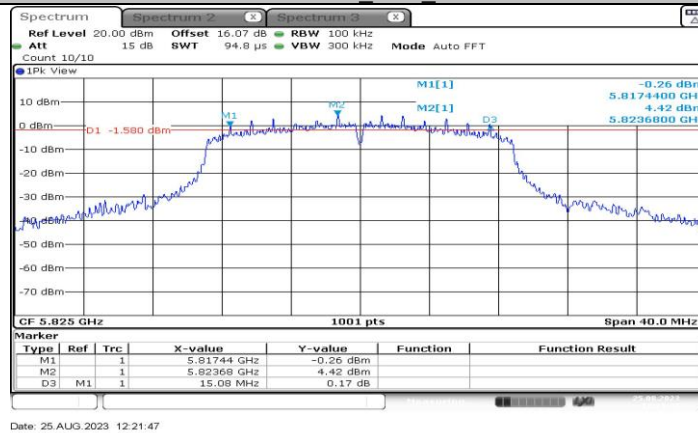


Date: 25 AUG 2023 12:18:45

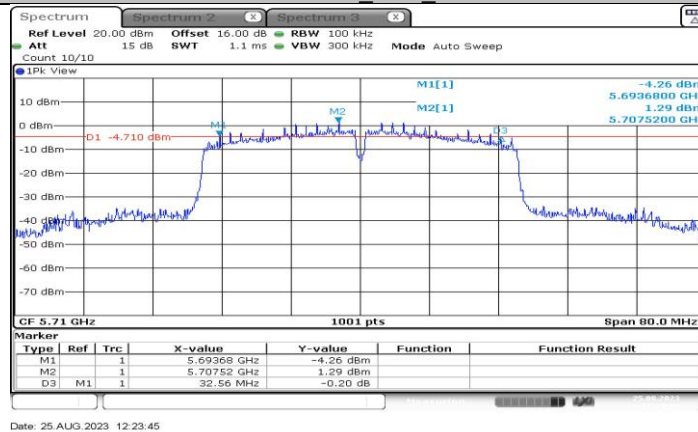
11N20SISO Ant1 5745



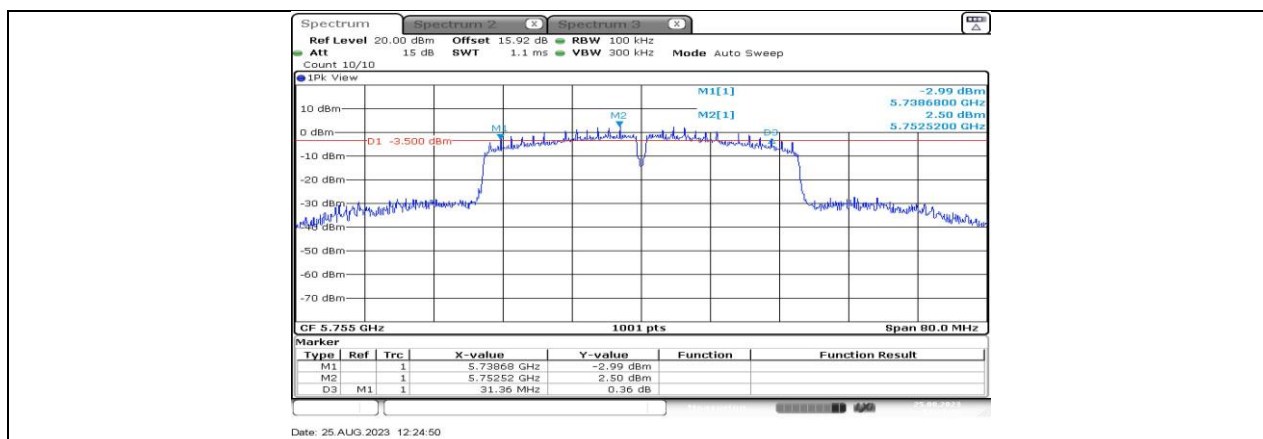
11N20SISO Ant1 5785



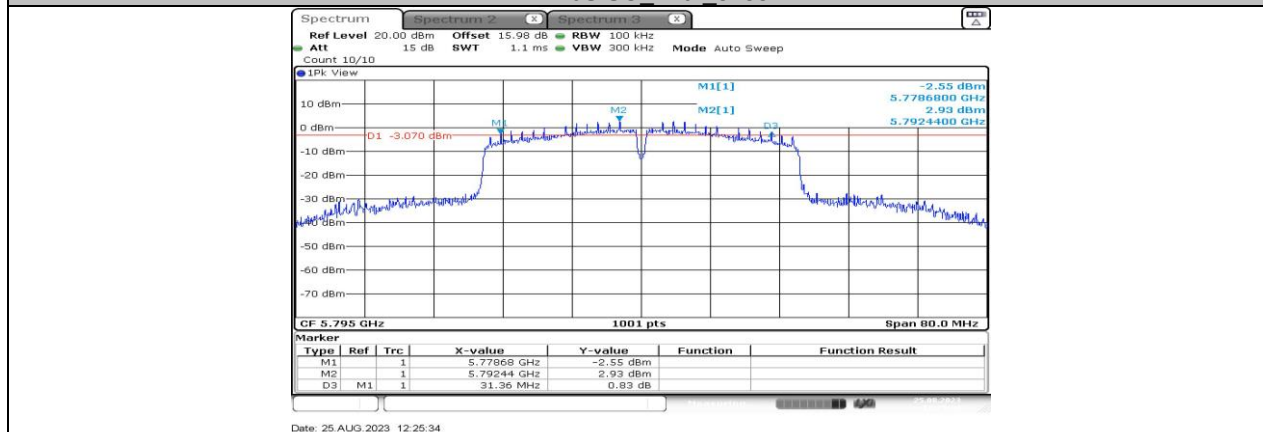
11N20SISO Ant1 5825



11N40SISO Ant1 5710



11N40SISO Ant1 5755



11N40SISO Ant1 5795

11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

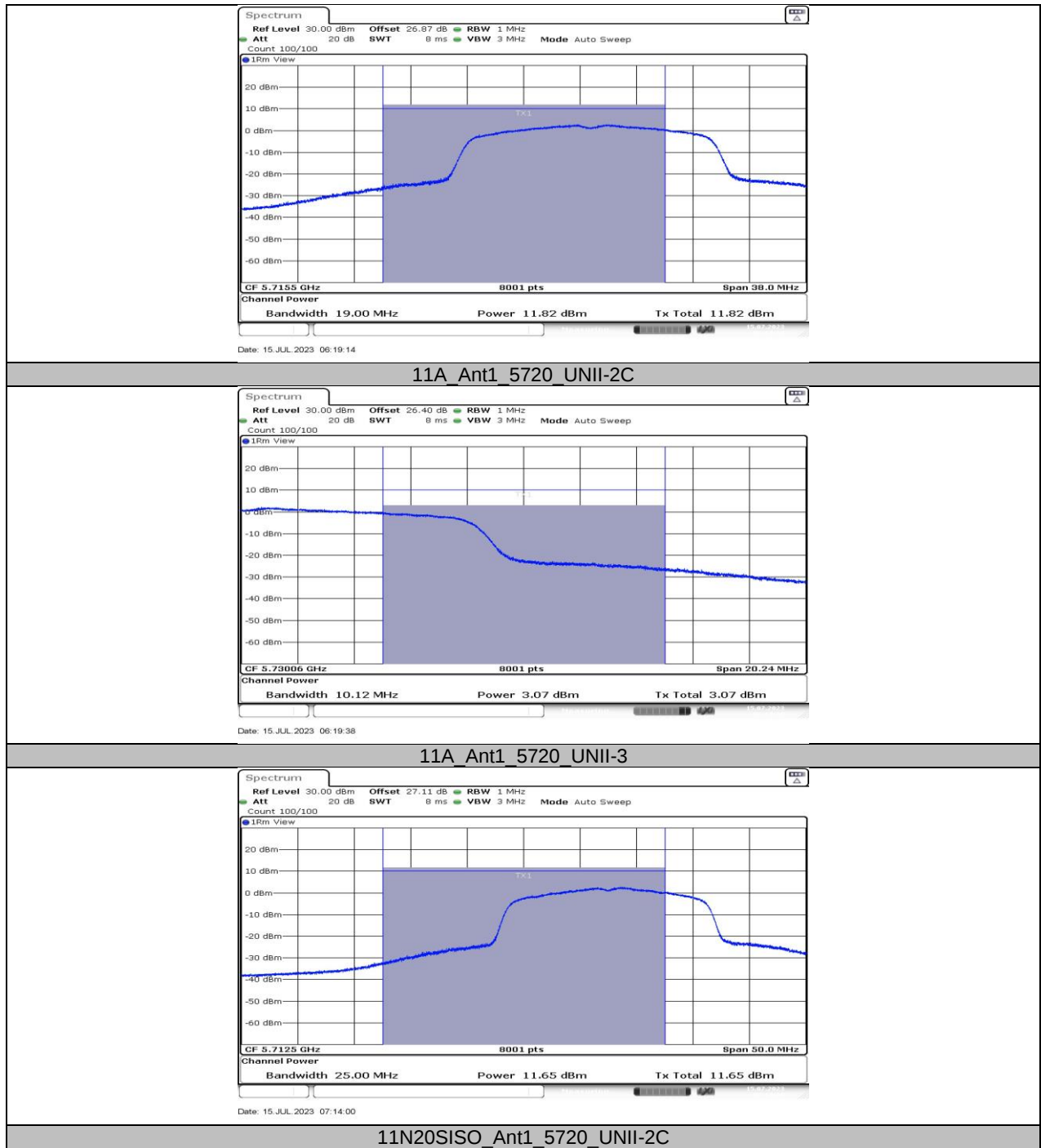
11.4.1. Test Result for ANT1

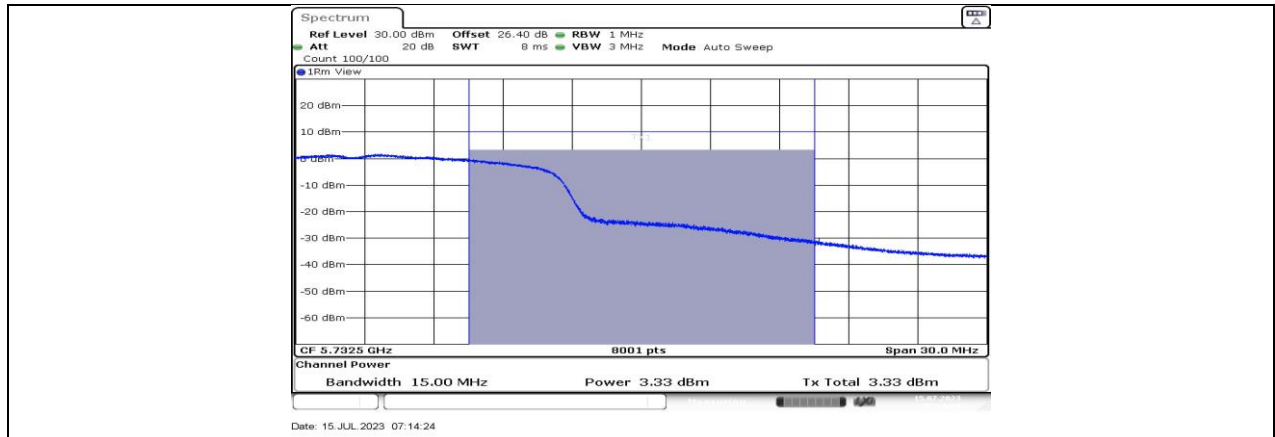
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	15.14	≤23.98	---	17.56	≤22.26	PASS
		5200	15.17	≤23.98	---	17.59	≤22.26	PASS
		5240	14.73	≤23.98	---	17.15	≤22.25	PASS
		5260	14.85	≤23.98	≤23.30	17.27	≤29.30	PASS
		5280	15.02	≤23.98	≤23.29	17.44	≤29.29	PASS
		5320	15.26	≤23.98	≤23.29	17.68	≤29.29	PASS
		5500	15.41	≤23.98	≤23.31	17.83	≤29.31	PASS
		5580	14.22	≤23.98	≤23.39	16.64	≤29.39	PASS
		5700	14.26	≤23.98	≤23.50	16.68	≤29.50	PASS
		5720 UNII-2C	11.82	≤23.79	≤22.53	14.24	≤28.53	PASS
		5720 UNII-3	3.07	≤30.00	≤30.00	5.49	---	PASS
		5745	14.88	≤30.00	≤30.00	17.30	---	PASS
		5785	14.77	≤30.00	≤30.00	17.19	---	PASS
		5825	14.94	≤30.00	≤30.00	17.36	---	PASS
11N20SISO	Ant1	5180	14.92	≤23.98	---	17.34	≤22.52	PASS
		5200	14.40	≤23.98	---	16.82	≤22.56	PASS
		5240	14.76	≤23.98	---	17.18	≤22.52	PASS
		5260	14.75	≤23.98	≤23.53	17.17	≤29.53	PASS
		5280	14.22	≤23.98	≤23.52	16.64	≤29.52	PASS
		5320	14.33	≤23.98	≤23.51	16.75	≤29.51	PASS
		5500	14.36	≤23.98	≤23.53	16.78	≤29.53	PASS
		5580	14.47	≤23.98	≤23.61	16.89	≤29.61	PASS
		5700	14.45	≤23.98	≤23.65	16.87	≤29.65	PASS
		5720 UNII-2C	11.65	≤23.98	≤22.71	14.07	≤28.71	PASS
		5720 UNII-3	3.33	≤30.00	≤30.00	5.75	---	PASS
		5745	14.46	≤30.00	≤30.00	16.88	---	PASS
		5785	14.14	≤30.00	≤30.00	16.56	---	PASS
		5825	14.53	≤30.00	≤30.00	16.95	---	PASS
11N40SISO	Ant1	5190	14.86	≤23.98	---	17.28	≤23.00	PASS
		5230	14.78	≤23.98	---	17.20	≤23.00	PASS
		5270	14.62	≤23.98	≤23.98	17.04	≤30.00	PASS
		5310	14.88	≤23.98	≤23.98	17.30	≤30.00	PASS
		5510	14.56	≤23.98	≤23.98	16.98	≤30.00	PASS
		5550	14.53	≤23.98	≤23.98	16.95	≤30.00	PASS
		5670	14.47	≤23.98	≤23.98	16.89	≤30.00	PASS
		5710 UNII-2C	8.34	≤23.98	≤23.98	10.76	≤30.00	PASS
		5710 UNII-3	-5.90	≤30.00	≤30.00	-3.48	---	PASS
		5755	14.29	≤30.00	≤30.00	16.71	---	PASS
		5795	14.80	≤30.00	≤30.00	17.22	---	PASS

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

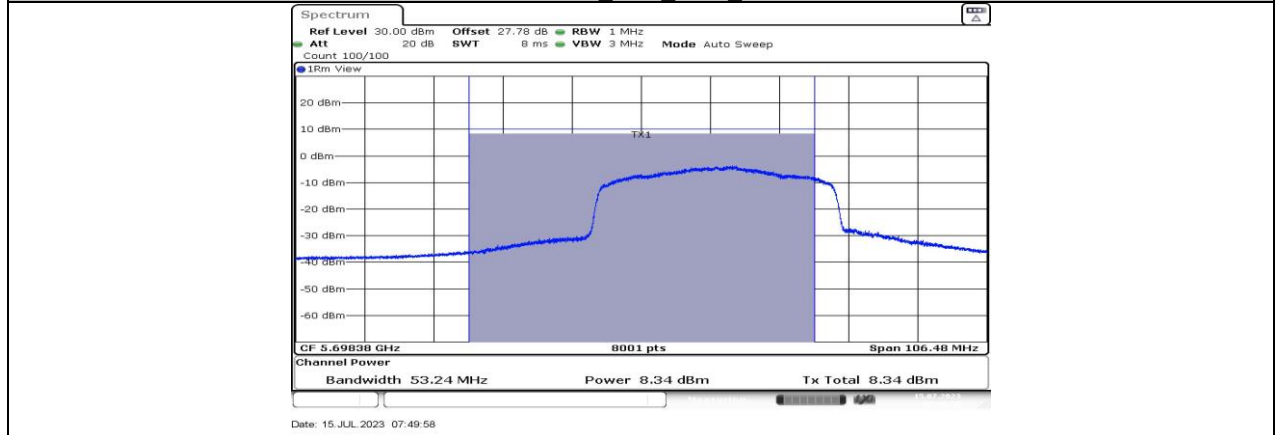
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.4.2. Test Graphs for ANT1

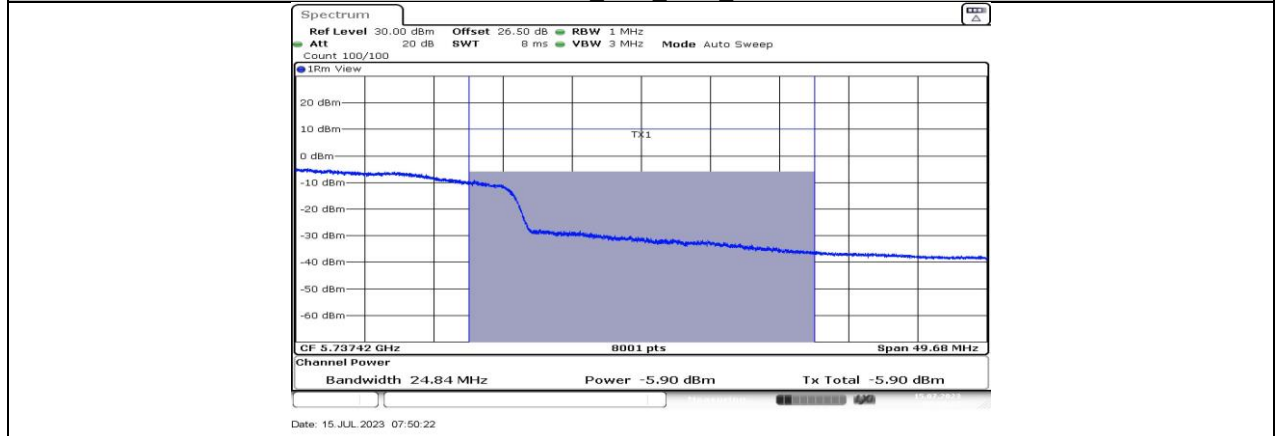




11N20SISO Ant1 5720 UNII-3



11N40SISO Ant1 5710 UNII-2C



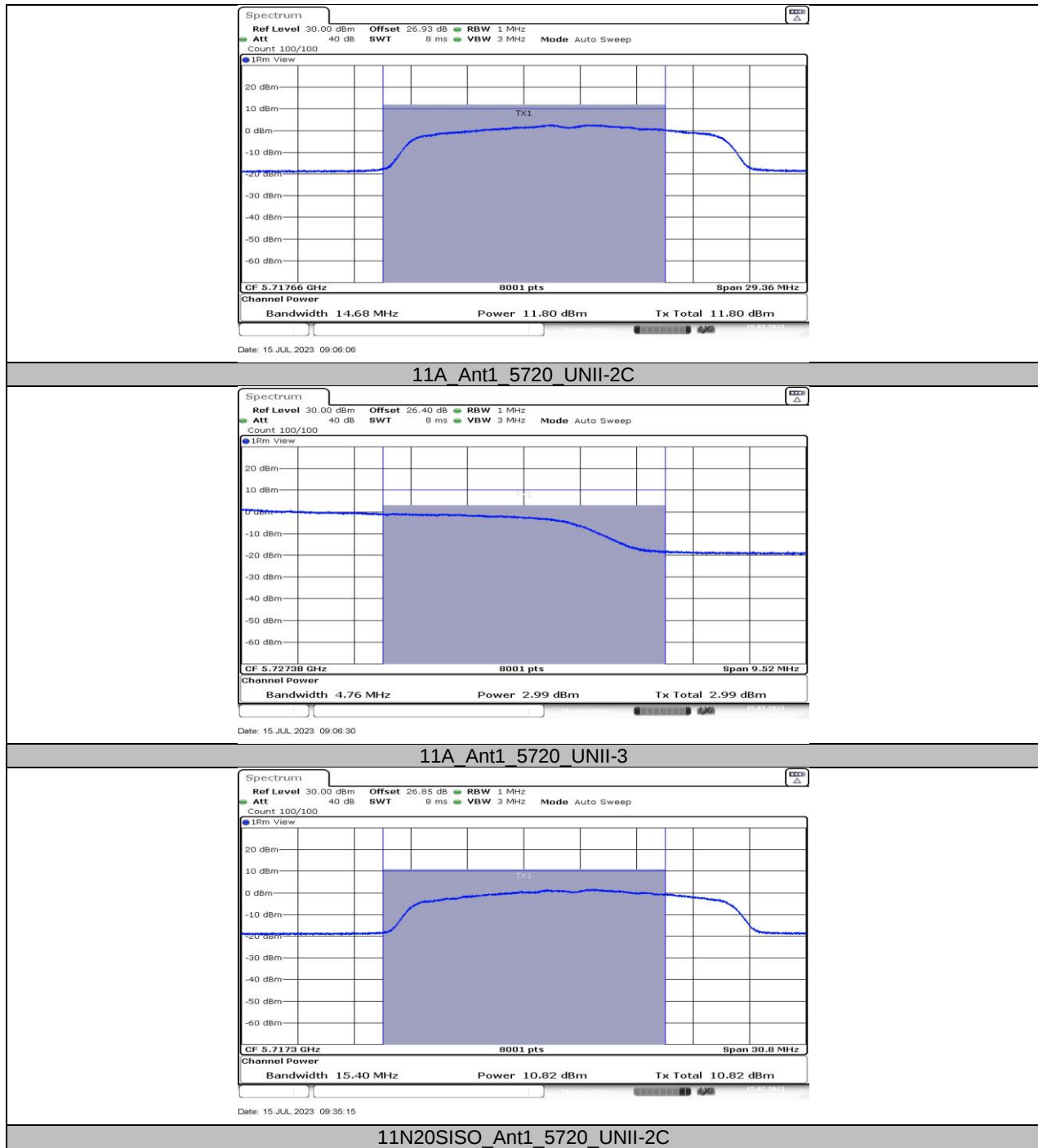
11N40SISO Ant1 5710 UNII-3

11.4.3. Test Result for ANT2

Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	14.69	≤23.98	---	17.98	≤22.26	PASS
		5200	14.66	≤23.98	---	17.95	≤22.26	PASS
		5240	14.71	≤23.98	---	18.00	≤22.25	PASS
		5260	14.79	≤23.98	≤23.70	18.08	≤29.30	PASS
		5280	14.64	≤23.98	≤23.70	17.93	≤29.29	PASS
		5320	14.82	≤23.98	≤23.70	18.11	≤29.29	PASS
		5500	14.50	≤23.98	≤23.70	17.79	≤29.31	PASS
		5580	14.42	≤23.98	≤23.70	17.71	≤29.39	PASS
		5700	14.62	≤23.98	≤23.70	17.91	≤29.50	PASS
		5720 UNII-2C	11.80	≤22.67	≤22.31	15.09	≤28.53	PASS
		5720 UNII-3	2.99	≤30.00	≤30.00	6.28	---	PASS
		5745	14.81	≤30.00	≤30.00	18.10	---	PASS
		5785	14.38	≤30.00	≤30.00	17.67	---	PASS
		5825	14.75	≤30.00	≤30.00	18.04	---	PASS
11N20SISO	Ant2	5180	14.43	≤23.98	---	17.72	≤22.52	PASS
		5200	14.75	≤23.98	---	18.04	≤22.56	PASS
		5240	14.67	≤23.98	---	17.96	≤22.52	PASS
		5260	14.59	≤23.98	≤23.70	17.88	≤29.53	PASS
		5280	14.35	≤23.98	≤23.70	17.64	≤29.52	PASS
		5320	14.82	≤23.98	≤23.70	18.11	≤29.51	PASS
		5500	14.60	≤23.98	≤23.70	17.89	≤29.53	PASS
		5580	14.72	≤23.98	≤23.70	18.01	≤29.61	PASS
		5700	14.92	≤23.98	≤23.70	18.21	≤29.65	PASS
		5720 UNII-2C	10.82	≤22.88	≤22.46	14.11	≤28.71	PASS
		5720 UNII-3	2.54	≤30.00	≤30.00	5.83	---	PASS
		5745	14.75	≤30.00	≤30.00	18.04	---	PASS
		5785	14.68	≤30.00	≤30.00	17.97	---	PASS
		5825	14.40	≤30.00	≤30.00	17.69	---	PASS
11N40SISO	Ant2	5190	14.89	≤23.98	---	18.18	≤23.00	PASS
		5230	14.36	≤23.98	---	17.65	≤23.00	PASS
		5270	14.51	≤23.98	≤23.70	17.80	≤30.00	PASS
		5310	14.23	≤23.98	≤23.70	17.52	≤30.00	PASS
		5510	14.32	≤23.98	≤23.70	17.61	≤30.00	PASS
		5550	14.38	≤23.98	≤23.70	17.67	≤30.00	PASS
		5670	14.24	≤23.98	≤23.70	17.53	≤30.00	PASS
		5710 UNII-2C	12.24	≤23.98	≤23.70	15.53	≤30.00	PASS
		5710 UNII-3	-1.37	≤30.00	≤30.00	1.92	---	PASS
		5755	14.22	≤30.00	≤30.00	17.51	---	PASS
		5795	14.99	≤30.00	≤30.00	18.28	---	PASS

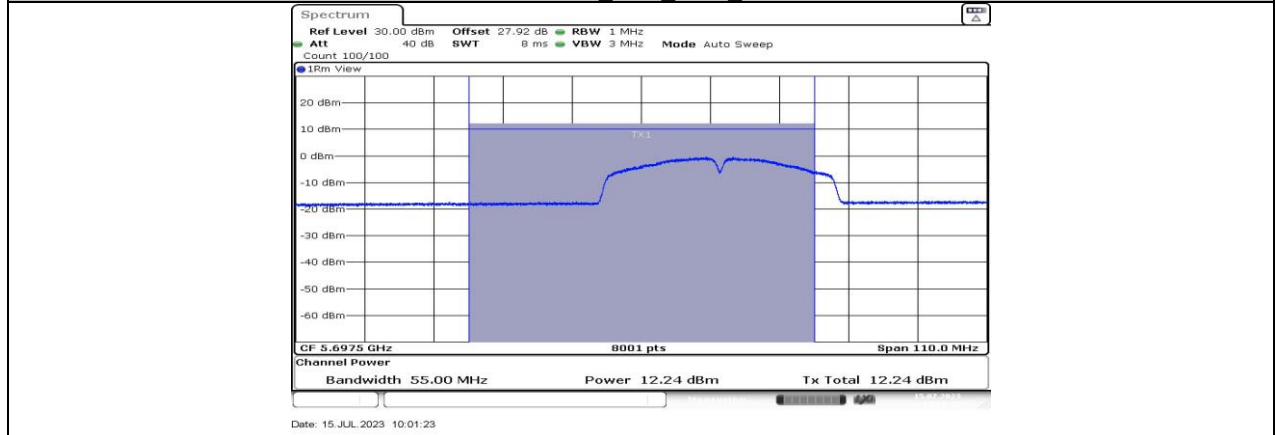
Note: The Duty Cycle Factor is compensated in the graph.

11.4.4. Test Graphs for ANT2

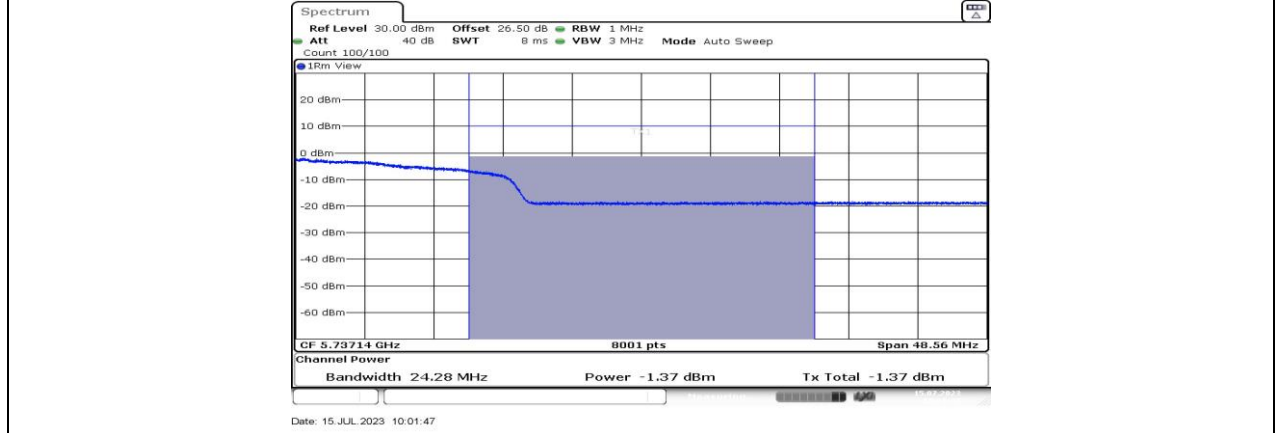




11N20SISO Ant1 5720 UNII-3



11N40SISO Ant1 5710 UNII-2C



11N40SISO Ant1 5710 UNII-3

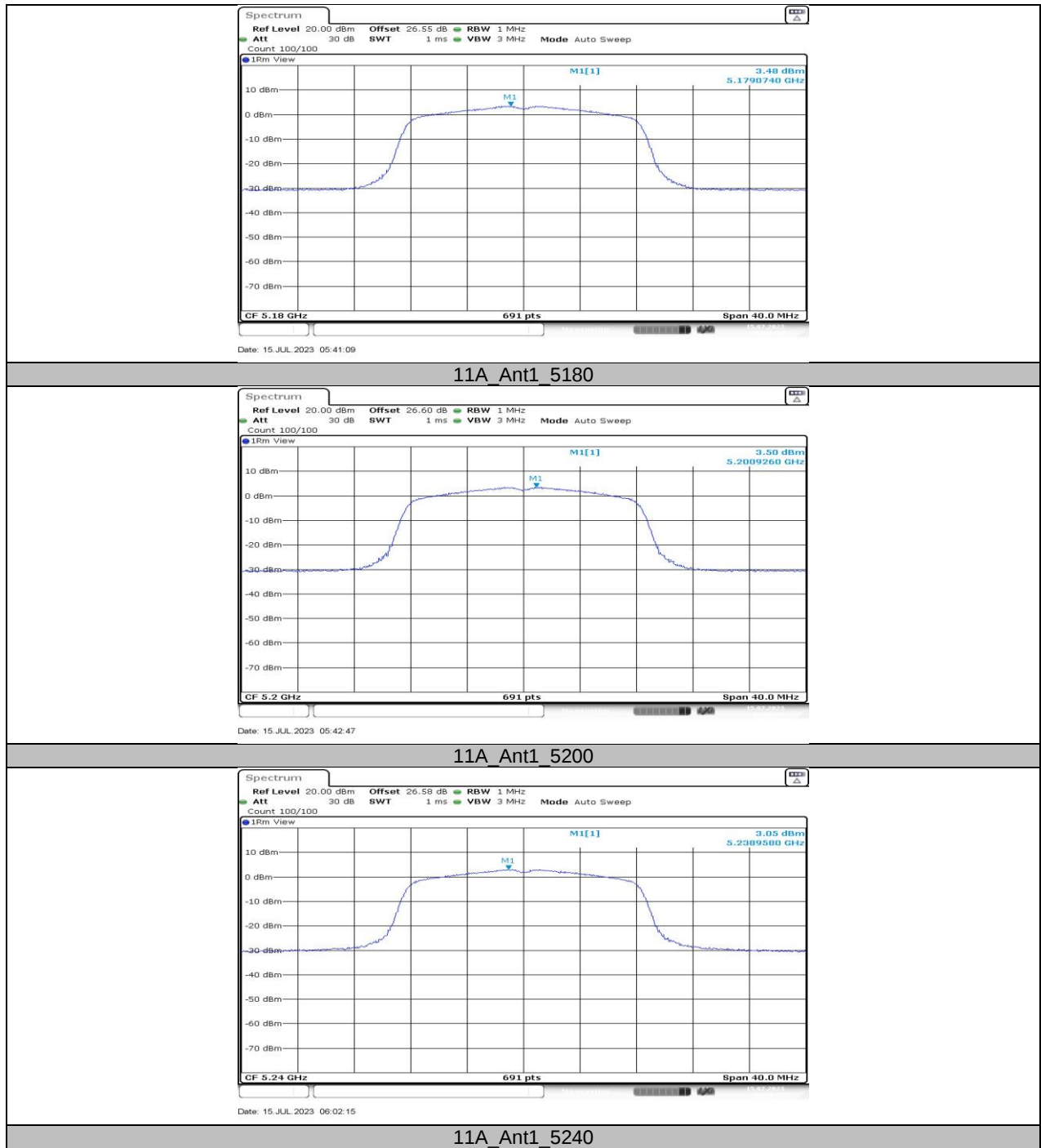
11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

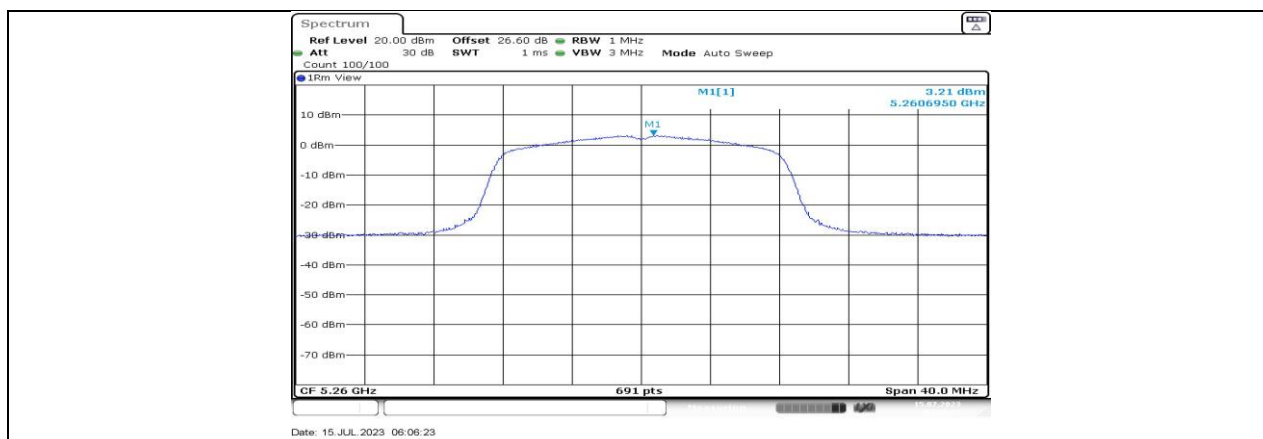
11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	3.48	≤11.00	5.90	≤10.00	PASS
		5200	3.5	≤11.00	5.92	≤10.00	PASS
		5240	3.05	≤11.00	5.47	≤10.00	PASS
		5260	3.21	≤11.00	5.63	---	PASS
		5280	3.63	≤11.00	6.05	---	PASS
		5320	3.3	≤11.00	5.72	---	PASS
		5500	3.57	≤11.00	5.99	---	PASS
		5580	2.79	≤11.00	5.21	---	PASS
		5700	2.8	≤11.00	5.22	---	PASS
		5720 UNII-2C	2.8	≤11.00	5.22	---	PASS
		5720 UNII-3	-2.54	≤30.00	-0.12	---	PASS
		5745	0.09	≤30.00	2.51	---	PASS
		5785	0.09	≤30.00	2.51	---	PASS
		5825	0.38	≤30.00	2.80	---	PASS
11N20SISO	Ant1	5180	3.38	≤11.00	5.80	≤10.00	PASS
		5200	2.51	≤11.00	4.93	≤10.00	PASS
		5240	3.03	≤11.00	5.45	≤10.00	PASS
		5260	2.98	≤11.00	5.40	---	PASS
		5280	2.23	≤11.00	4.65	---	PASS
		5320	2.53	≤11.00	4.95	---	PASS
		5500	2.19	≤11.00	4.61	---	PASS
		5580	2.5	≤11.00	4.92	---	PASS
		5700	2.51	≤11.00	4.93	---	PASS
		5720 UNII-2C	2.33	≤11.00	4.75	---	PASS
		5720 UNII-3	-2.89	≤30.00	-0.47	---	PASS
		5745	0.04	≤30.00	2.46	---	PASS
		5785	-1.86	≤30.00	0.56	---	PASS
		5825	-0.65	≤30.00	1.77	---	PASS
11N40SISO	Ant1	5190	-0.51	≤11.00	1.91	≤10.00	PASS
		5230	-0.02	≤11.00	2.40	≤10.00	PASS
		5270	-1.51	≤11.00	0.91	---	PASS
		5310	-0.62	≤11.00	1.80	---	PASS
		5510	-0.91	≤11.00	1.51	---	PASS
		5550	-1.79	≤11.00	0.63	---	PASS
		5670	-1.8	≤11.00	0.62	---	PASS
		5710 UNII-2C	-37.37	≤11.00	-34.95	---	PASS
		5710 UNII-3	-9.27	≤30.00	-6.85	---	PASS
		5755	-3.17	≤30.00	-0.75	---	PASS
		5795	-13.64	≤30.00	-11.22	---	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



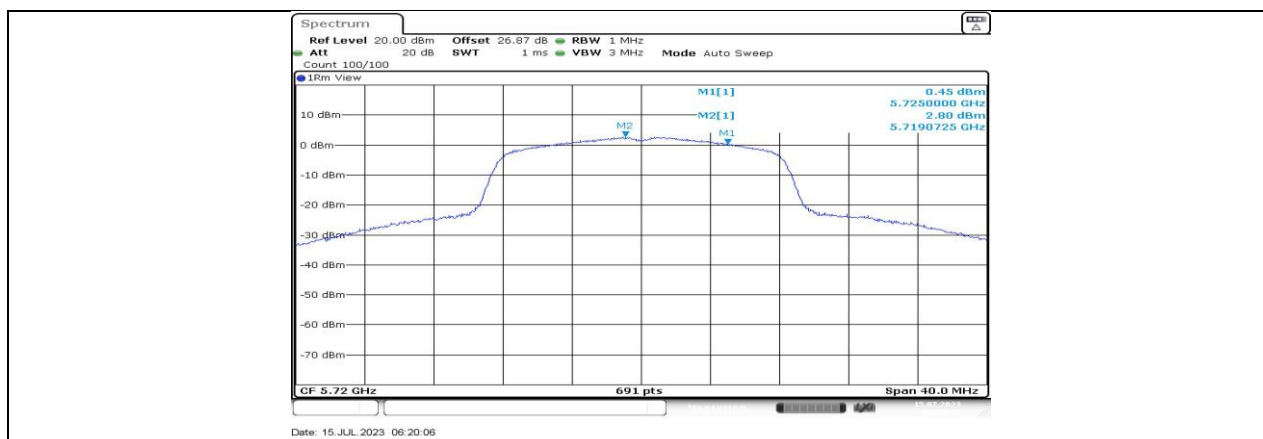
11A	Ant1	5500
-----	------	------



11A Ant1 5580



11A Ant1 5700



11A Ant1 5720 UNII-2C



11A Ant1 5720 UNII-3



11A Ant1 5745



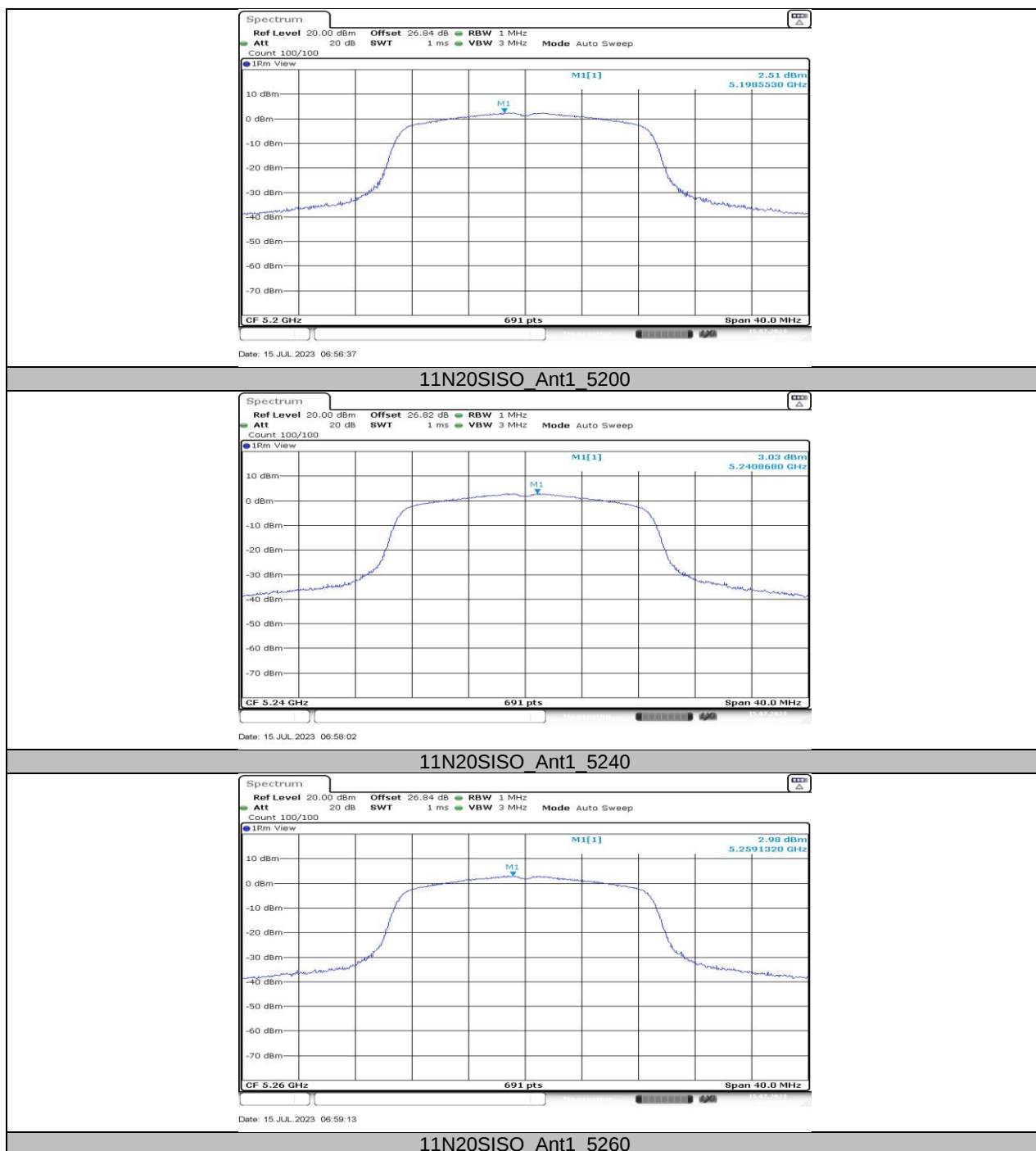
11A Ant1 5785



11A Ant1 5825



11N20SISO Ant1 5180







11N20SISO Ant1 5580



11N20SISO Ant1 5700



11N20SISO Ant1 5720 UNII-2C



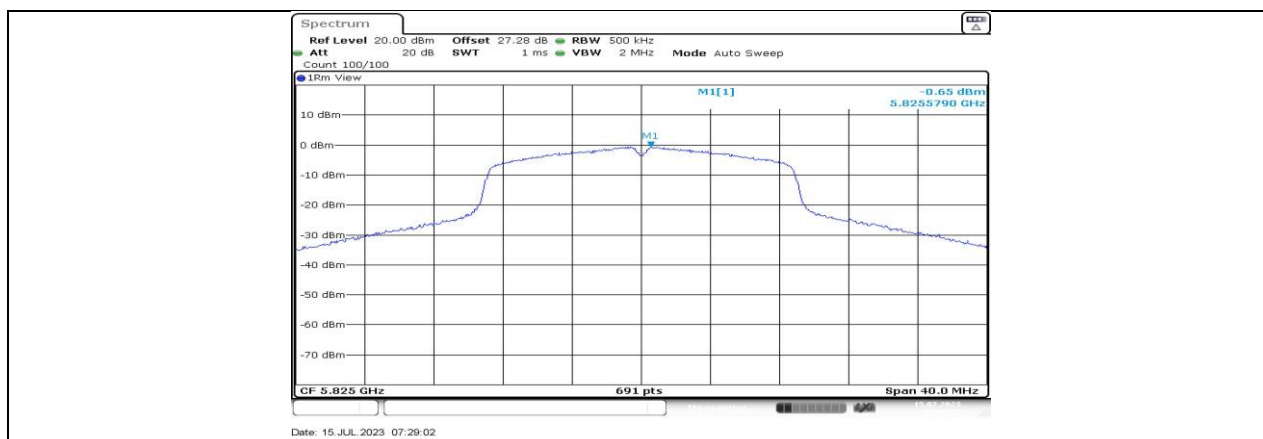
11N20SISO Ant1 5720 UNII-3



11N20SISO Ant1 5745



11N20SISO Ant1 5785



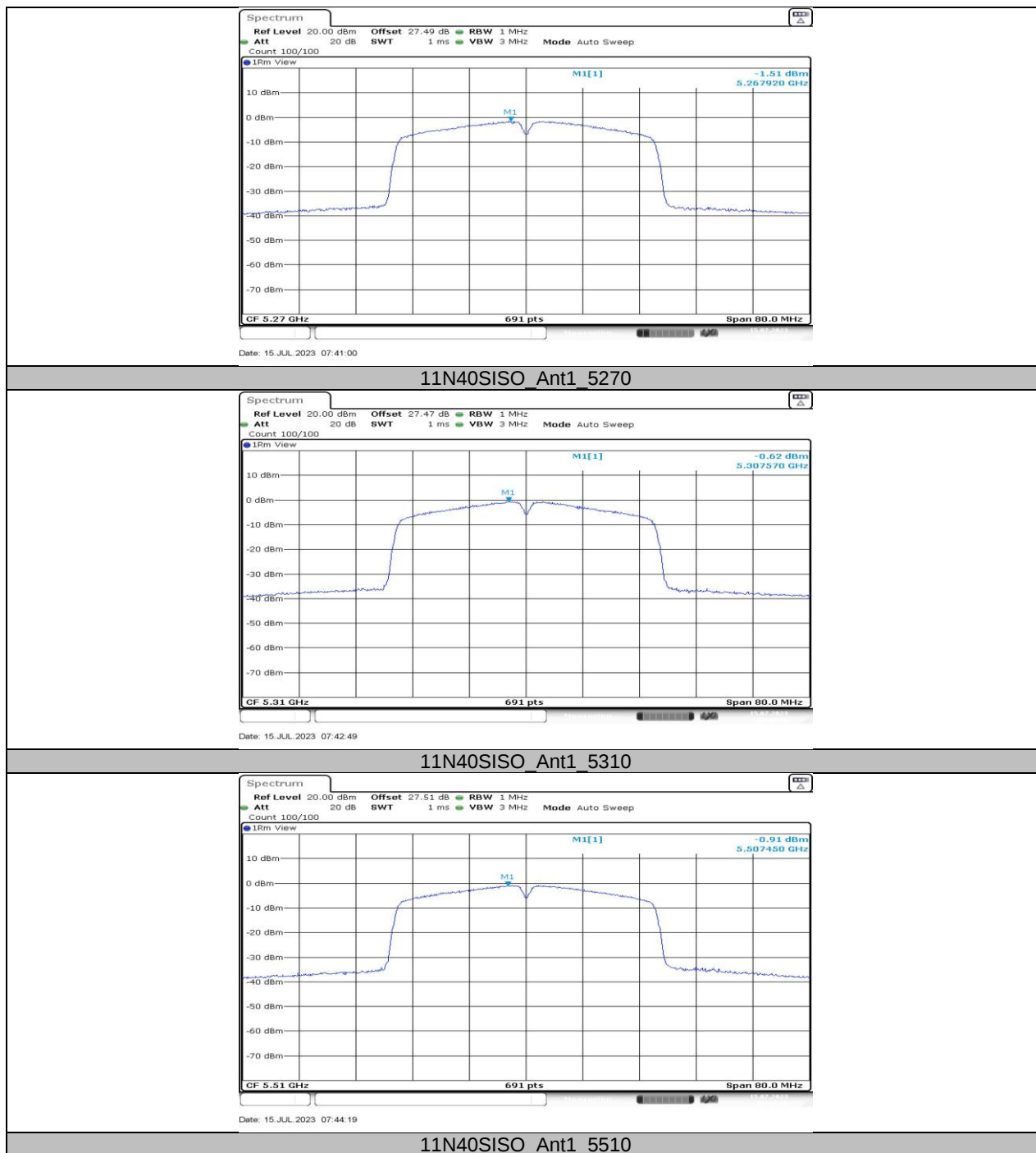
11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO Ant1 5230

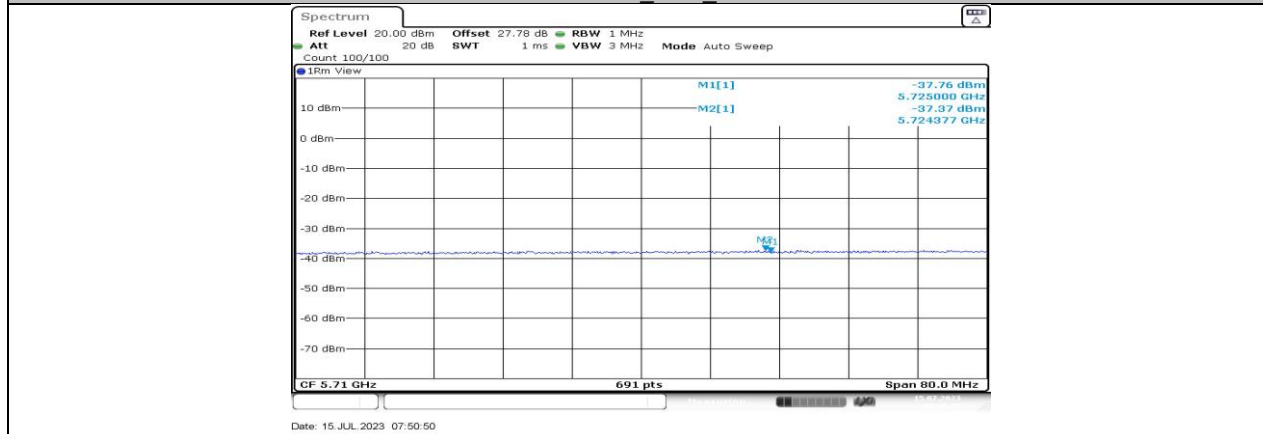




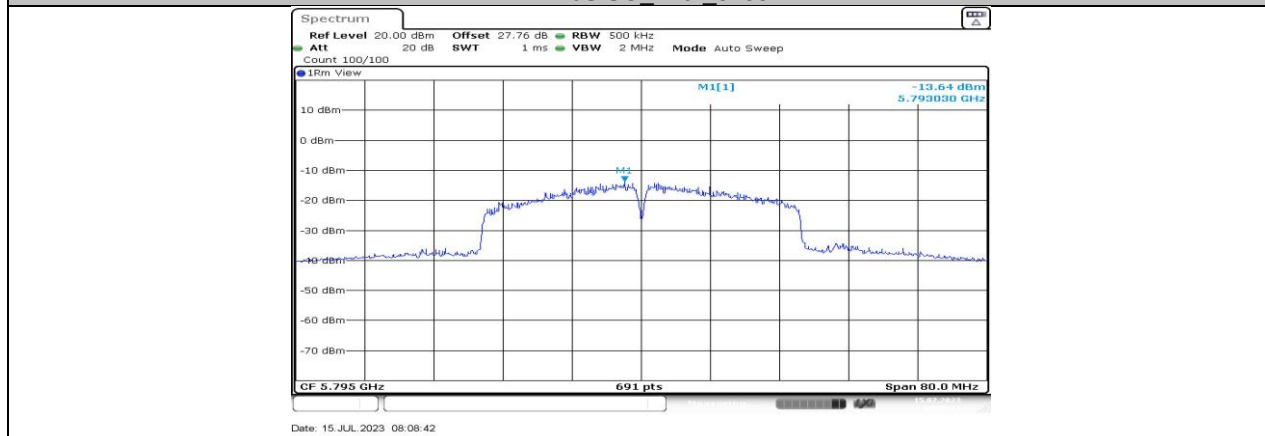
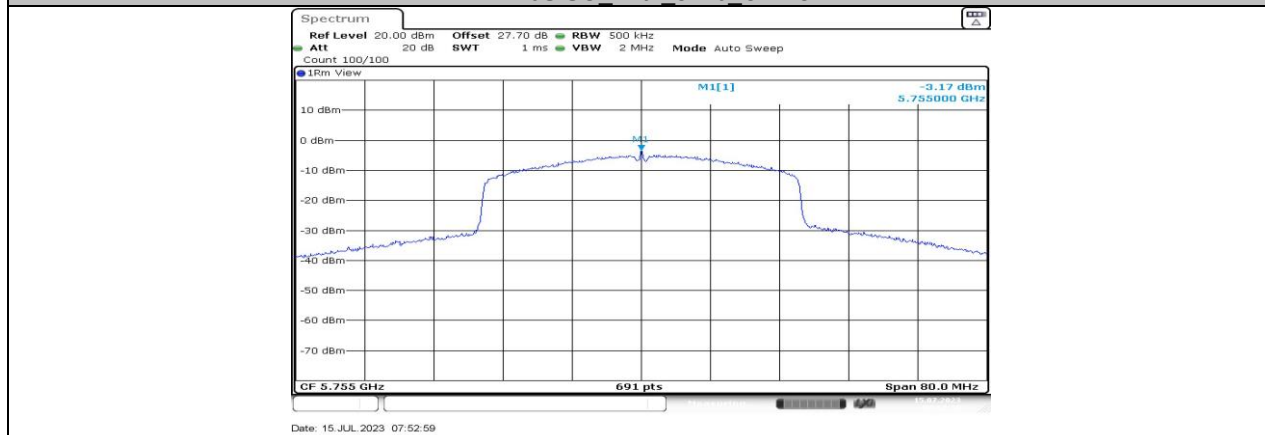
11N40SISO Ant1 5550



11N40SISO Ant1 5670



11N40SISO Ant1 5710 UNII-2C



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	5199.9917	-1.60	5200.0173	3.34	5199.9809	-3.66	5200.0230	4.43
TN	VN	5199.9954	-0.89	5199.9856	-2.76	5200.0216	4.16	5199.9983	-0.33
TN	VH	5199.9860	-2.69	5199.9822	-3.42	5200.0132	2.53	5199.9754	-4.73
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)
70	VN	5200.0055	1.06	5199.9804	-3.76	5199.9809	-3.67	5199.9904	-1.85
60	VN	5199.9826	-3.35	5199.9762	-4.58	5199.9909	-1.74	5199.9993	-0.13
50	VN	5199.9966	-0.65	5199.9881	-2.29	5199.9770	-4.43	5199.9854	-2.81
40	VN	5199.9753	-4.75	5200.0011	0.22	5199.9897	-1.98	5200.0208	4.00
30	VN	5200.0089	1.71	5200.0067	1.29	5200.0188	3.61	5200.0047	0.91
20	VN	5200.0150	2.89	5200.0003	0.05	5200.0117	2.25	5199.9811	-3.64
10	VN	5199.9758	-4.65	5199.9761	-4.59	5199.9908	-1.77	5200.0146	2.81
0	VN	5200.0059	1.14	5199.9819	-3.48	5200.0131	2.53	5199.9940	-1.15

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	1.39	1.55	0.8968	89.68	0.47	0.72	1
11N20SISO	1.30	1.53	0.8497	84.97	0.71	0.77	1
11N40SISO	0.64	0.86	0.7442	74.42	1.28	1.56	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

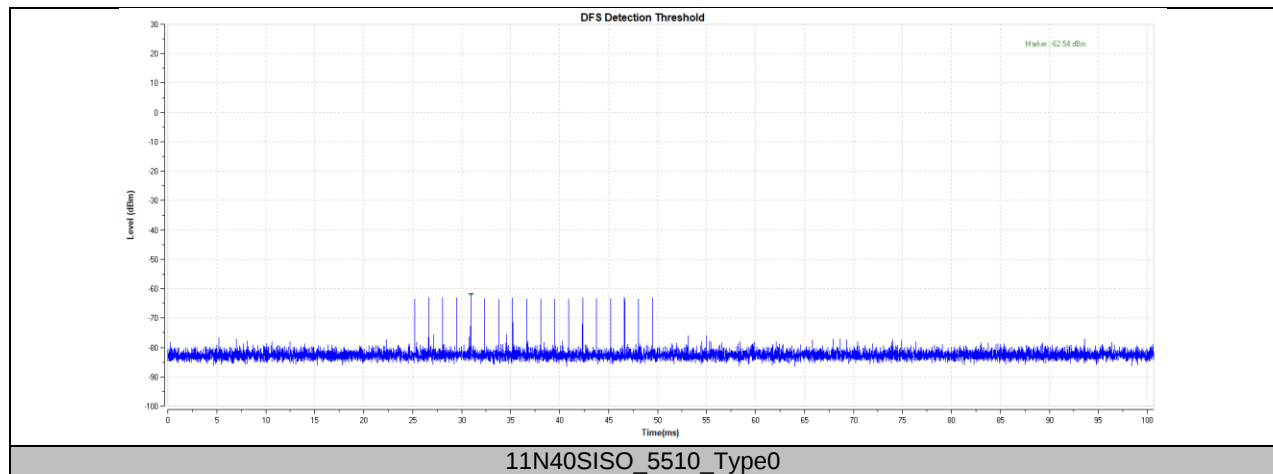


11.8. APPENDIX H: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Verdict
11N40SISO	5510	Type0	-62.54	PASS

11.8.2. Test Graphs



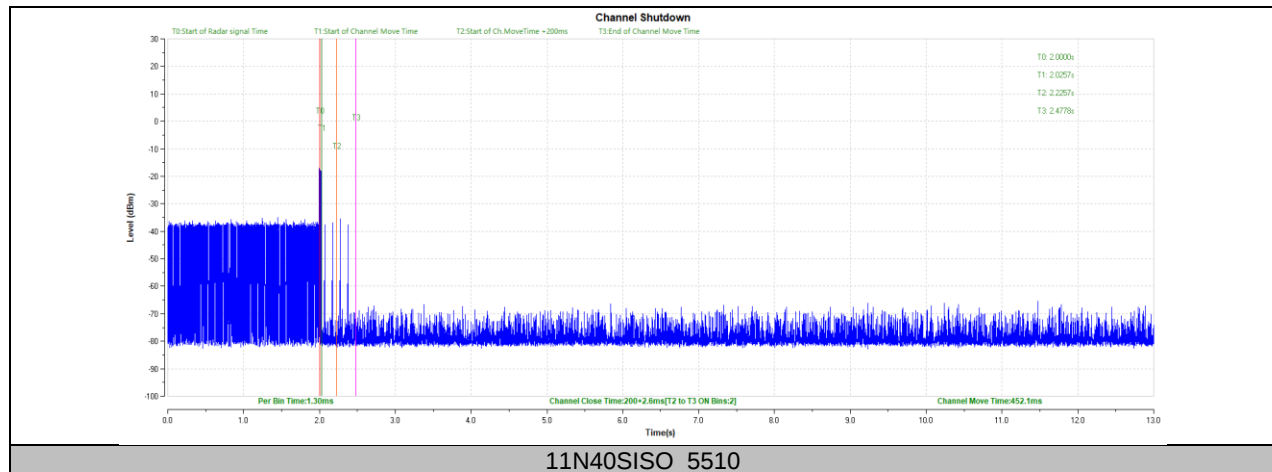
Note: All modes have been tested, only the worst data recorded in the report.

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

11.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11N40SISO	5510	200+2.6	200+60	452.1	10000	PASS

11.9.2. Test Graphs



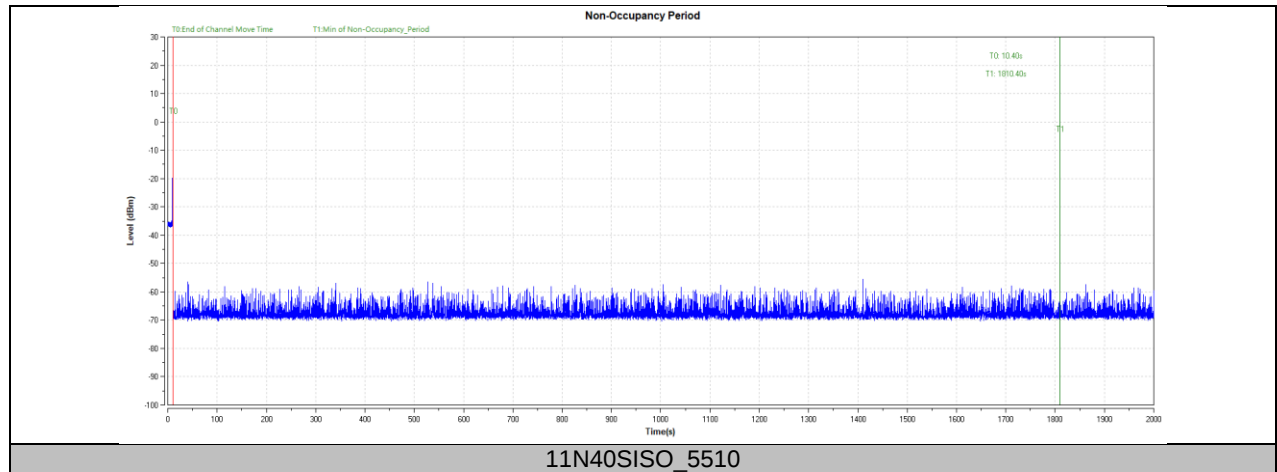
Note: All modes have been tested, only the worst data recorded in the report.

11.10. APPENDIX J: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11N40SISO	5510	see test graph	≥1800	PASS

11.10.1. Test Graphs



Note: All modes have been tested, only the worst data recorded in the report.

END OF REPORT