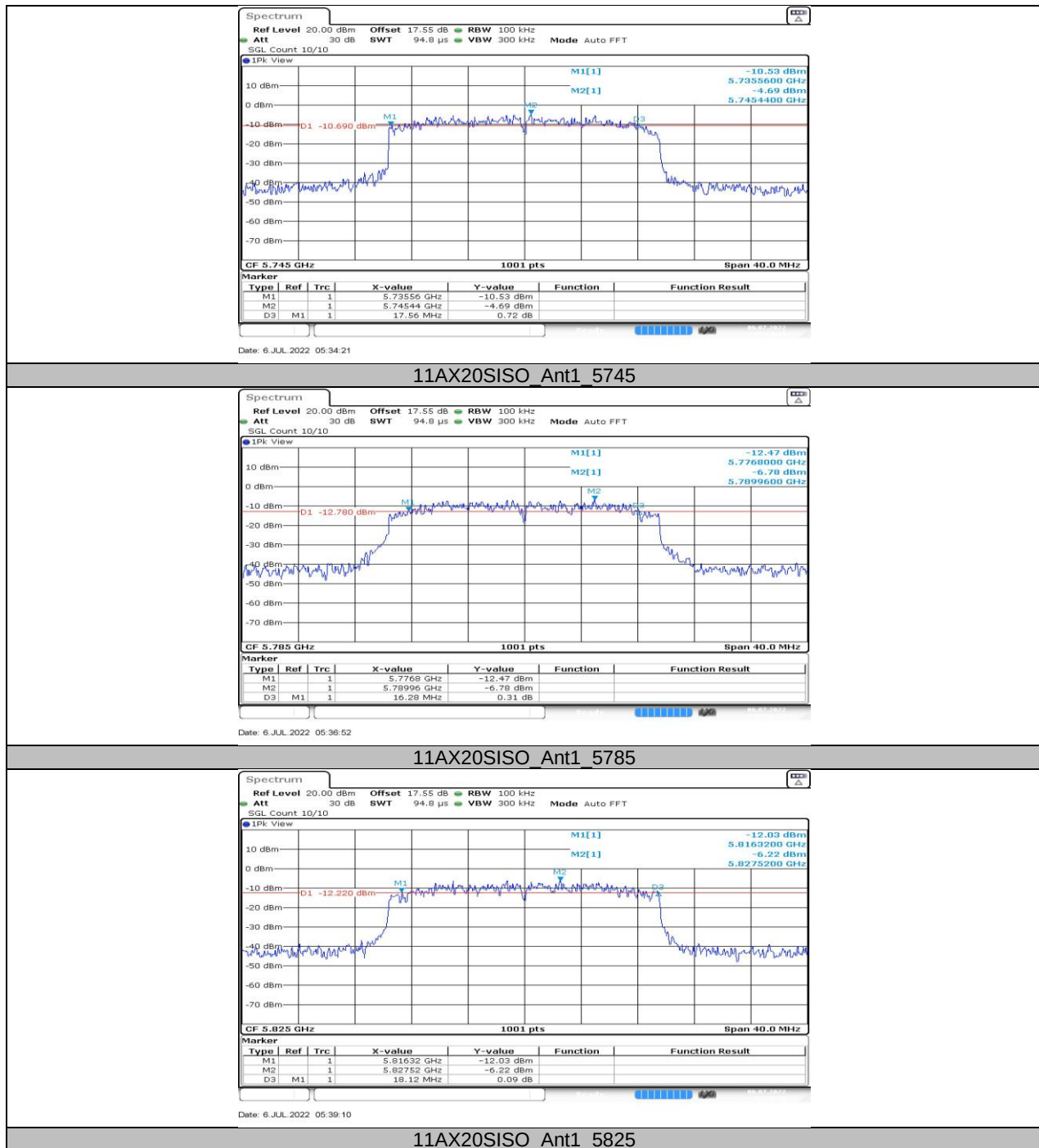
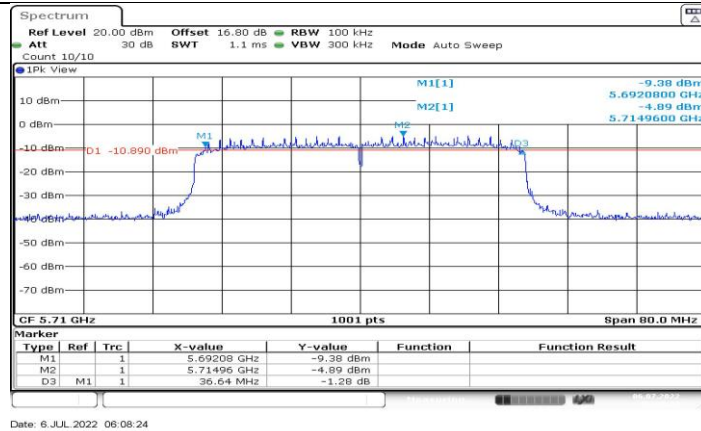
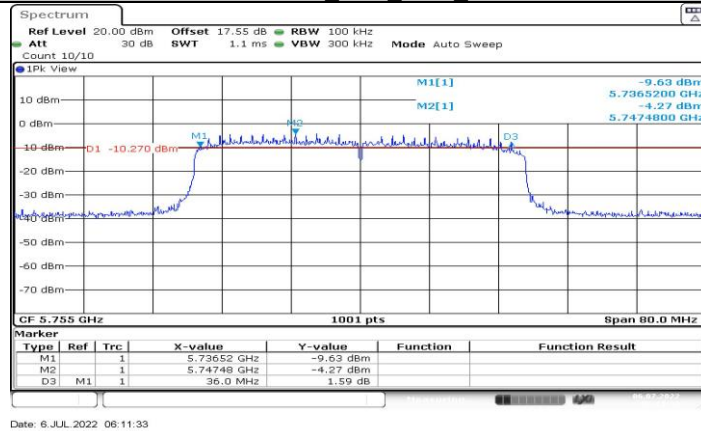


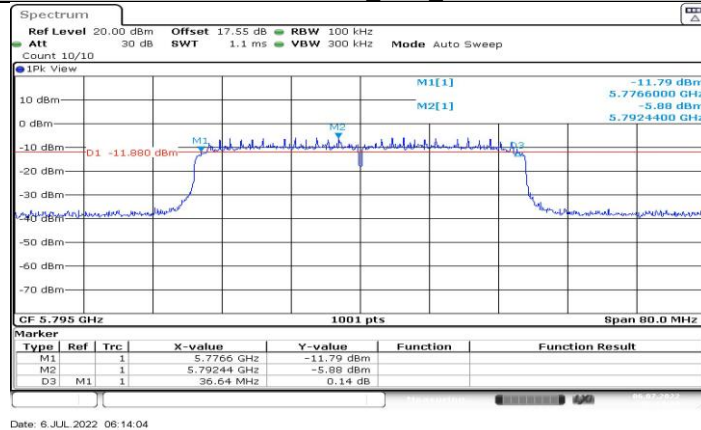




11AX40SISO_Ant1_5710_UNII-3



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

**11.4. APPENDIX B: MAXIMUM CONDUCTED AVG OUTPUT POWER****11.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	11.68	≤23.98	---	13.38	≤22.28	PASS
		5200	11.88	≤23.98	---	13.58	≤22.28	PASS
		5240	12.01	≤23.98	---	13.71	≤22.28	PASS
		5260	12.24	≤23.94	≤23.28	13.94	≤29.28	PASS
		5280	12.22	≤23.81	≤23.28	13.92	≤29.28	PASS
		5320	12.09	≤23.98	≤23.81	13.79	≤29.81	PASS
		5500	10.44	≤23.98	≤23.80	12.14	≤29.80	PASS
		5580	10.82	≤23.98	≤23.78	12.52	≤29.78	PASS
		5700	11.32	≤23.89	≤23.28	13.02	≤29.28	PASS
		5720_UNII-2C	11.96	≤23.29	≤22.73	13.66	≤28.73	PASS
		5720_UNII-3	5.19	≤30.00	≤30.00	6.89	---	PASS
		5745	11.01	≤30.00	≤30.00	12.71	---	PASS
		5785	10.32	≤30.00	≤30.00	12.02	---	PASS
		5825	10.88	≤30.00	≤30.00	12.58	---	PASS
11N20SISO	Ant1	5180	11.17	≤23.98	---	12.87	≤22.51	PASS
		5200	11.12	≤23.98	---	12.82	≤22.53	PASS
		5240	12.40	≤23.98	---	14.1	≤22.53	PASS
		5260	12.31	≤23.98	≤23.52	14.01	≤29.52	PASS
		5280	12.05	≤23.98	≤23.53	13.75	≤29.53	PASS
		5320	12.16	≤23.98	≤23.53	13.86	≤29.53	PASS
		5500	11.47	≤23.98	≤23.53	13.17	≤29.53	PASS
		5580	11.88	≤23.98	≤23.52	13.58	≤29.52	PASS
		5700	10.69	≤23.98	≤23.53	12.39	≤29.53	PASS
		5720_UNII-2C	9.88	≤22.95	≤22.48	11.58	≤28.48	PASS
		5720_UNII-3	2.70	≤30.00	≤30.00	4.4	---	PASS
		5745	11.85	≤30.00	≤30.00	13.55	---	PASS
		5785	12.18	≤30.00	≤30.00	13.88	---	PASS
		5825	12.27	≤30.00	≤30.00	13.97	---	PASS
11N40SISO	Ant1	5190	10.63	≤23.98	---	12.33	≤23.01	PASS
		5230	10.88	≤23.98	---	12.58	≤23.01	PASS
		5270	10.68	≤23.98	≤23.98	12.38	≤30.00	PASS
		5310	10.55	≤23.98	≤23.98	12.25	≤30.00	PASS
		5510	10.08	≤23.98	≤23.98	11.78	≤30.00	PASS
		5590	10.36	≤23.98	≤23.98	12.06	≤30.00	PASS
		5670	11.03	≤23.98	≤23.98	12.73	≤30.00	PASS
		5710_UNII-2C	11.22	≤23.98	≤23.98	12.92	≤30.00	PASS
		5710_UNII-3	-1.64	≤30.00	≤30.00	0.06	---	PASS
		5755	11.69	≤30.00	≤30.00	13.39	---	PASS
11AX20SISO	Ant1	5795	12.52	≤30.00	≤30.00	14.22	---	PASS
		5180	12.58	≤23.98	---	14.28	≤22.98	PASS
		5200	12.38	≤23.98	---	14.08	≤23.01	PASS
		5240	12.42	≤23.98	---	14.12	≤23.01	PASS
		5260	12.33	≤23.98	≤23.98	14.03	≤30.00	PASS
		5280	12.25	≤23.98	≤23.98	13.95	≤30.00	PASS
		5320	11.67	≤23.98	≤23.98	13.37	≤30.00	PASS
		5500	9.39	≤23.98	≤23.76	11.09	≤29.76	PASS
		5580	8.55	≤23.98	≤23.76	10.25	≤29.76	PASS
		5700	9.75	≤23.98	≤23.76	11.45	≤29.76	PASS
11AX20SISO	Ant1	5720_UNII-2C	7.83	≤22.81	≤22.59	9.53	≤28.59	PASS

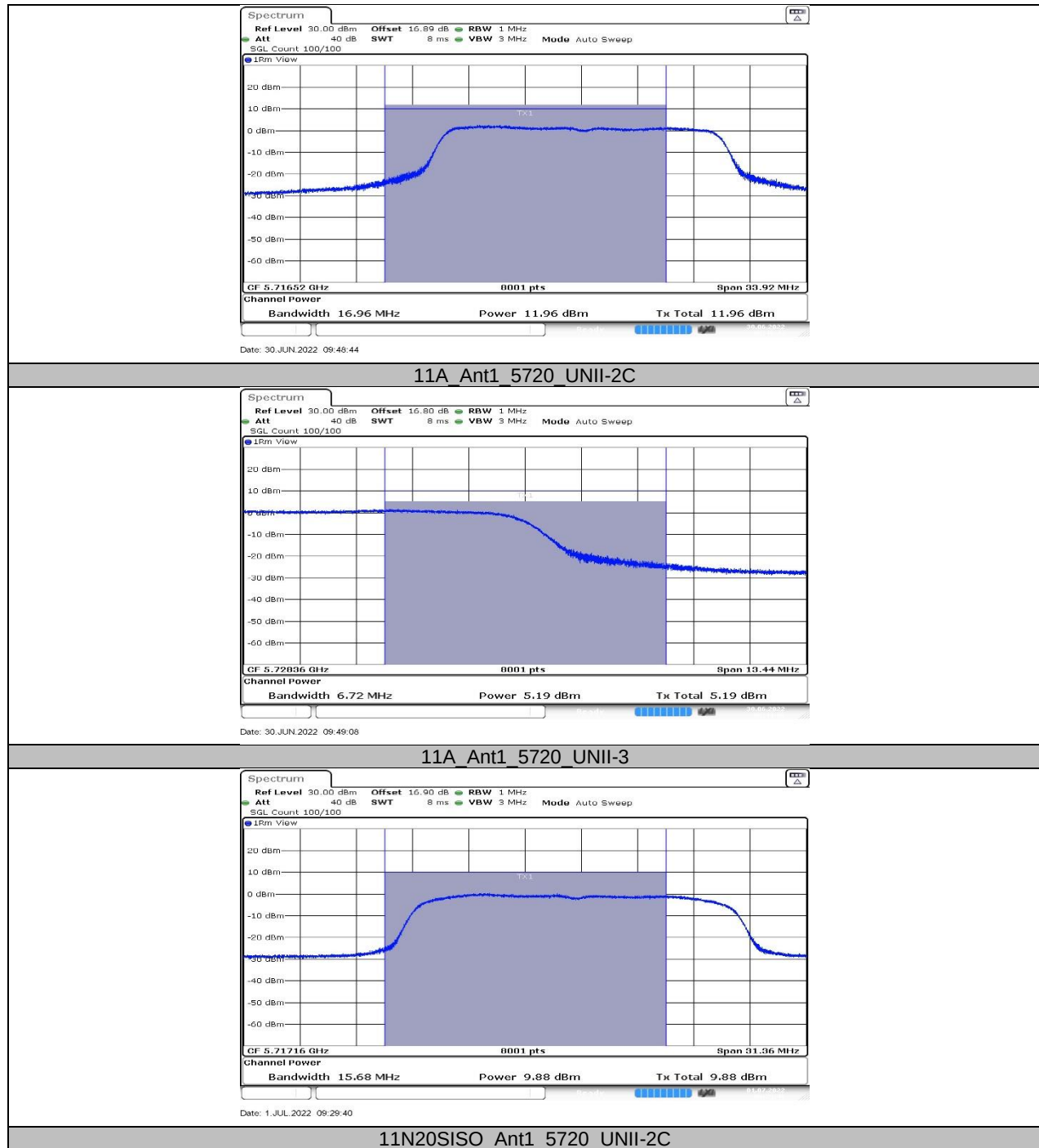


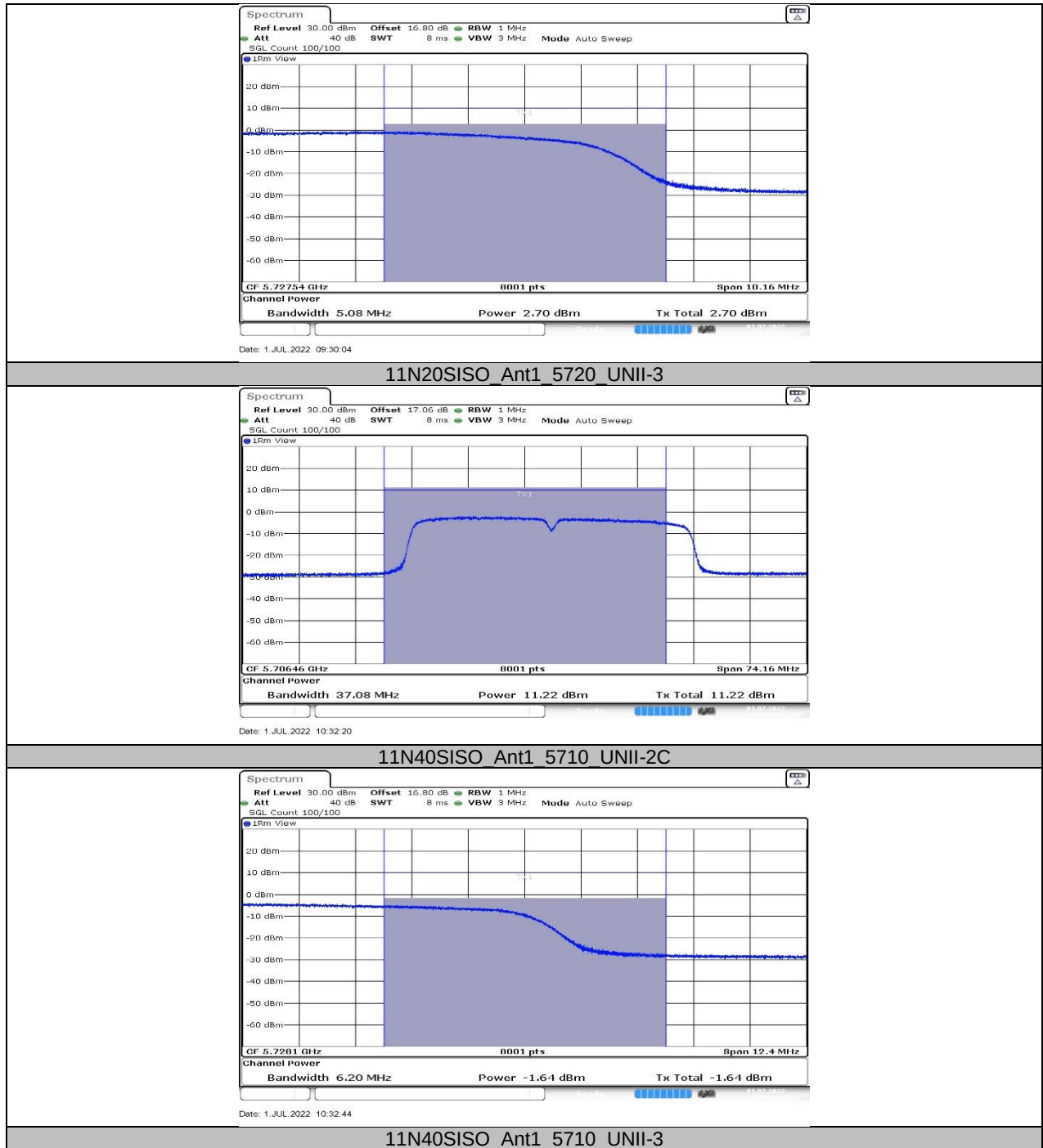
		5720_UNII-3	0.88	≤30.00	≤30.00	2.58	---	PASS
		5745	9.25	≤30.00	≤30.00	10.95	---	PASS
		5785	7.55	≤30.00	≤30.00	9.25	---	PASS
		5825	8.07	≤30.00	≤30.00	9.77	---	PASS
11AX40SISO	Ant1	5190	11.70	≤23.98	---	13.4	≤23.01	PASS
		5230	11.73	≤23.98	---	13.43	≤23.01	PASS
		5270	11.72	≤23.98	≤23.98	13.42	≤30.00	PASS
		5310	10.68	≤23.98	≤23.98	12.38	≤30.00	PASS
		5510	11.43	≤23.98	≤23.98	13.13	≤30.00	PASS
		5590	10.65	≤23.98	≤23.98	12.35	≤30.00	PASS
		5670	11.00	≤23.98	≤23.98	12.7	≤30.00	PASS
		5710_UNII-2C	8.43	≤23.98	≤23.98	10.13	≤30.00	PASS
		5710_UNII-3	-3.16	≤30.00	≤30.00	-1.46	---	PASS
		5755	9.37	≤30.00	≤30.00	11.07	---	PASS
		5795	8.19	≤30.00	≤30.00	9.89	---	PASS

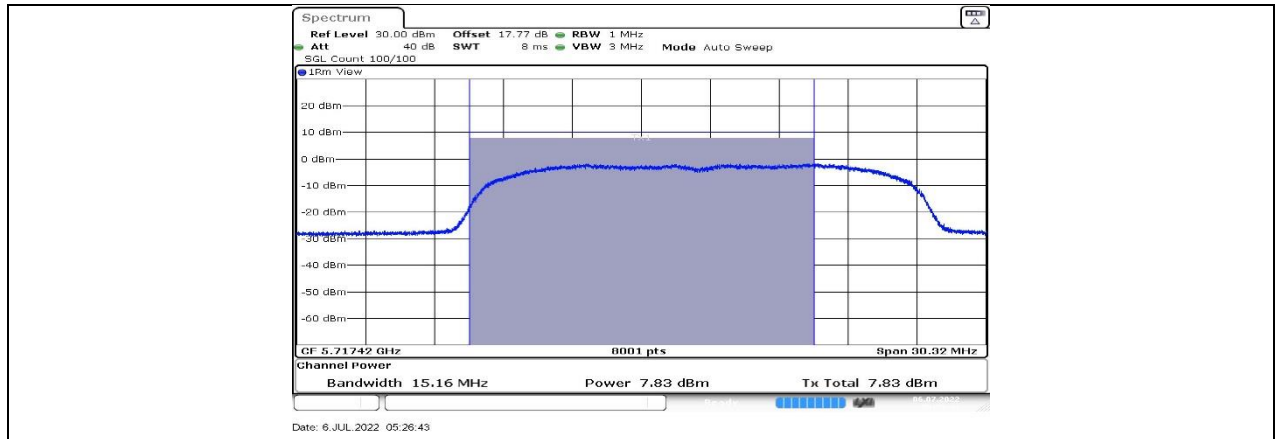
Note: 1. Conducted Power=Meas. Level+ Correction Factor

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

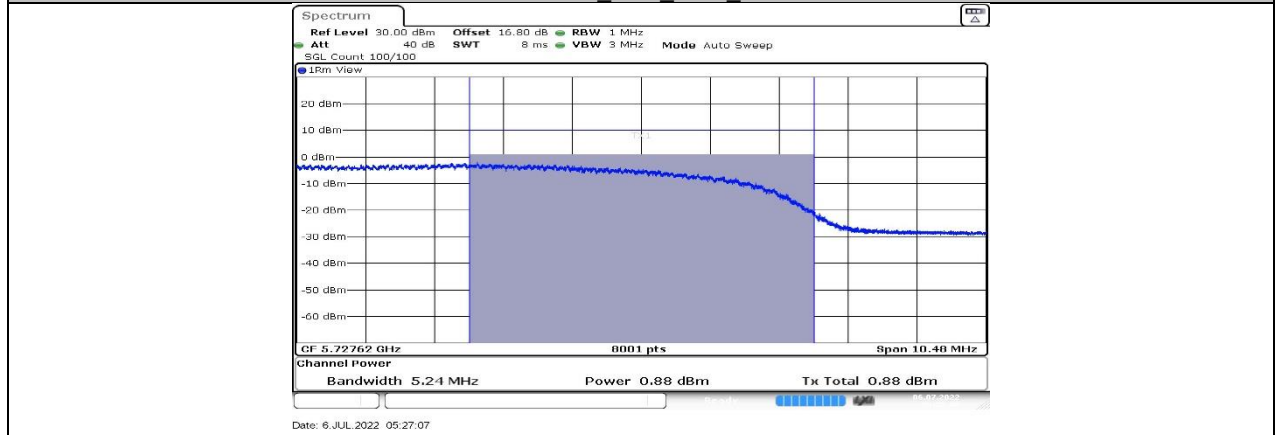
11.4.2. Test Graphs



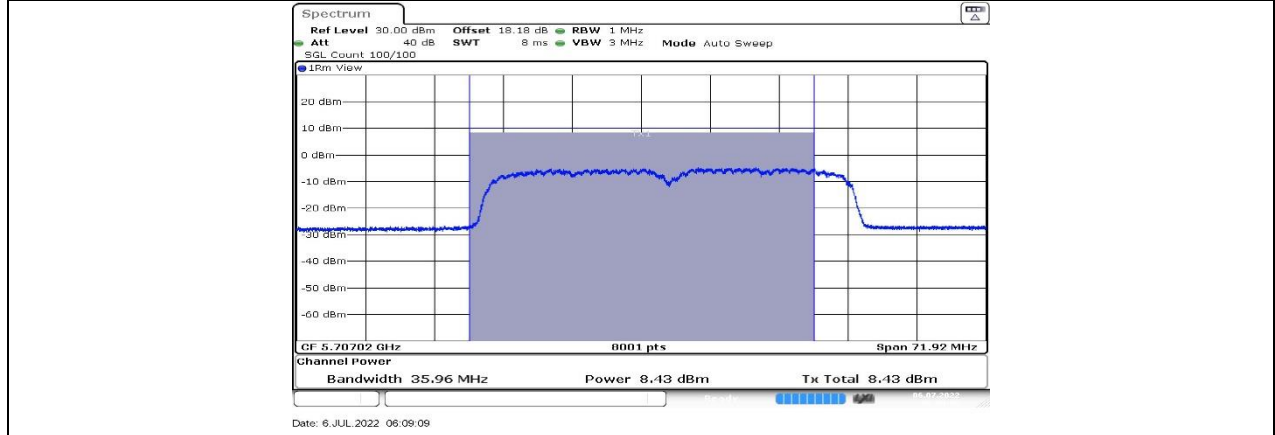




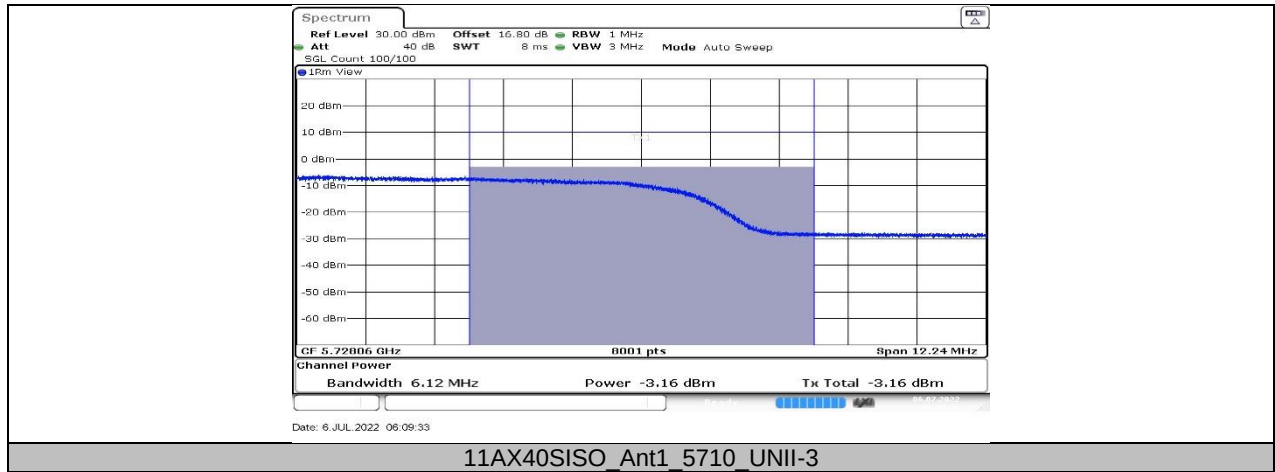
11AX20SISO_Ant1_5720_UNII-2C



11AX20SISO_Ant1_5720_UNII-3



11AX40SISO_Ant1_5710_UNII-2C



11.5. APPENDIX C: MAXIMUM POWER SPECTRAL DENSITY

11.5.1. Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	0.77	≤11.00	2.47	≤10.00	PASS
		5200	0.96	≤11.00	2.66	≤10.00	PASS
		5240	0.96	≤11.00	2.66	≤10.00	PASS
		5260	1.34	≤11.00	1.34	---	PASS
		5280	1.2	≤11.00	1.20	---	PASS
		5320	0.34	≤11.00	0.34	---	PASS
		5500	-0.83	≤11.00	-0.83	---	PASS
		5580	-0.64	≤11.00	-0.64	---	PASS
		5700	0.05	≤11.00	0.05	---	PASS
		5720_UNII-2C	2.06	≤11.00	2.06	---	PASS
		5720_UNII-3	-1.82	≤11.00	-1.82	---	PASS
		5745	-3.54	≤30.00	-3.54	---	PASS
		5785	-3.53	≤30.00	-3.53	---	PASS
11N20SISO	Ant1	5825	-2.94	≤30.00	-2.94	---	PASS
		5180	0.04	≤11.00	1.74	≤10.00	PASS
		5200	-0.08	≤11.00	1.62	≤10.00	PASS
		5240	1.35	≤11.00	3.05	≤10.00	PASS
		5260	1.34	≤11.00	1.34	---	PASS
		5280	1.01	≤11.00	1.01	---	PASS
		5320	1.01	≤11.00	1.01	---	PASS
		5500	0.31	≤11.00	0.31	---	PASS
		5580	0.84	≤11.00	0.84	---	PASS
		5700	-0.27	≤11.00	-0.27	---	PASS
		5720_UNII-2C	-0.2	≤11.00	-0.20	---	PASS
		5720_UNII-3	-4.05	≤11.00	-4.05	---	PASS
		5745	-2.02	≤30.00	-2.02	---	PASS
11N40SISO	Ant1	5785	-1.83	≤30.00	-1.83	---	PASS
		5825	-1.56	≤30.00	-1.56	---	PASS
		5190	-4.6	≤11.00	-2.9	≤10.00	PASS
		5230	-3.69	≤11.00	-1.99	≤10.00	PASS
		5270	-3.93	≤11.00	-3.93	---	PASS
		5310	-4.18	≤11.00	-4.18	---	PASS
		5510	-4.2	≤11.00	-4.20	---	PASS
		5590	-4.35	≤11.00	-4.35	---	PASS
		5670	-3.95	≤11.00	-3.95	---	PASS
		5710_UNII-2C	-2.53	≤11.00	-2.53	---	PASS
11AX20SISO	Ant1	5710_UNII-3	-8.21	≤11.00	-8.21	---	PASS
		5755	-5.63	≤30.00	-5.63	---	PASS
		5795	-4.81	≤30.00	-4.81	---	PASS
		5180	1.2	≤11.00	2.9	≤10.00	PASS
		5200	0.66	≤11.00	2.36	≤10.00	PASS
		5240	0.89	≤11.00	2.59	≤10.00	PASS
		5260	1.08	≤11.00	1.08	---	PASS
		5280	1.05	≤11.00	1.05	---	PASS
		5320	-0.1	≤11.00	-0.10	---	PASS
		5500	-2.96	≤11.00	-2.96	---	PASS
		5580	-3.67	≤11.00	-3.67	---	PASS
		5700	-1.45	≤11.00	-1.45	---	PASS
	Ant1	5720_UNII-2C	-2.08	≤11.00	-2.08	---	PASS
		5720_UNII-3	-5.01	≤11.00	-5.01	---	PASS
		5745	-3.48	≤30.00	-3.48	---	PASS

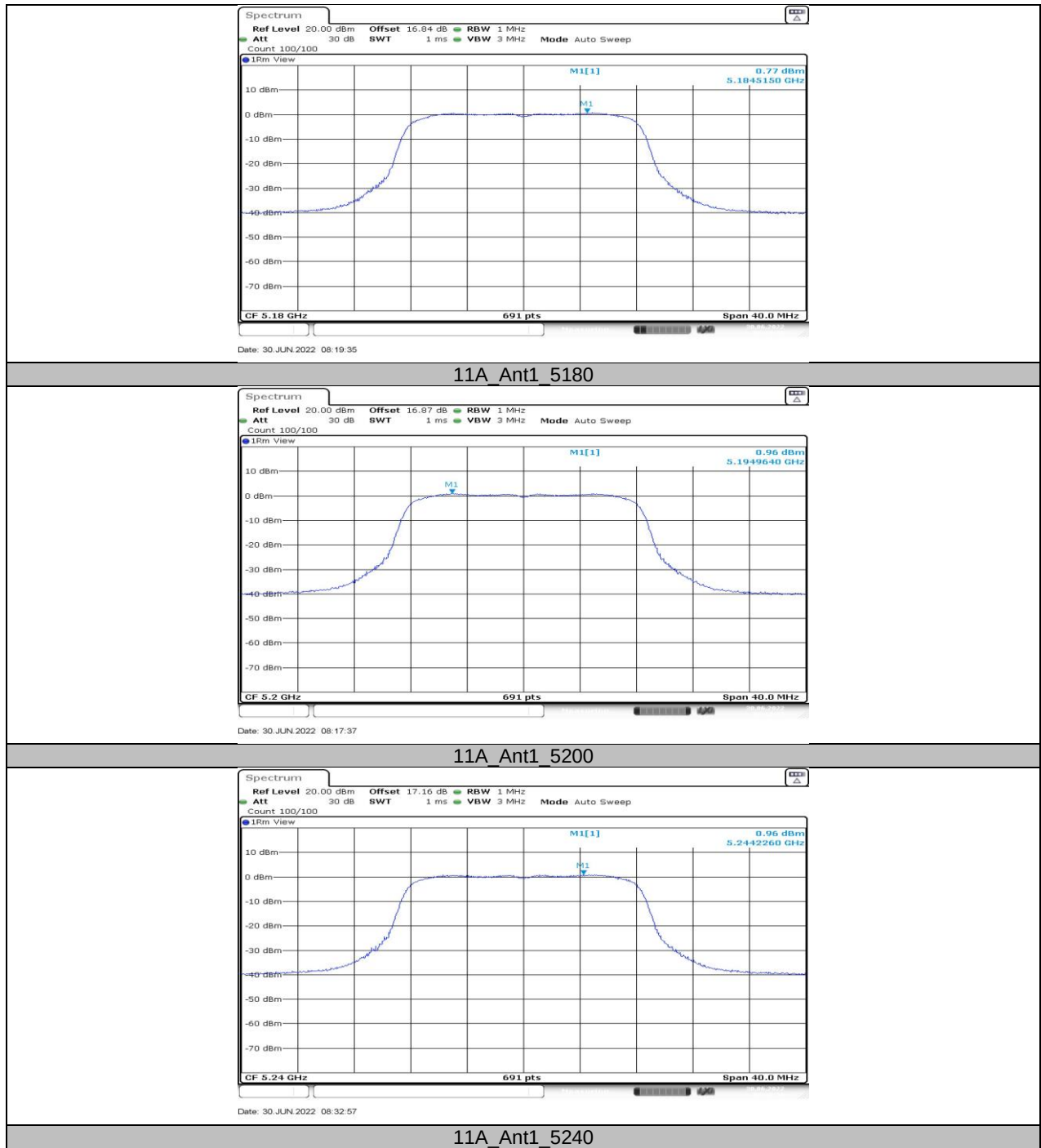


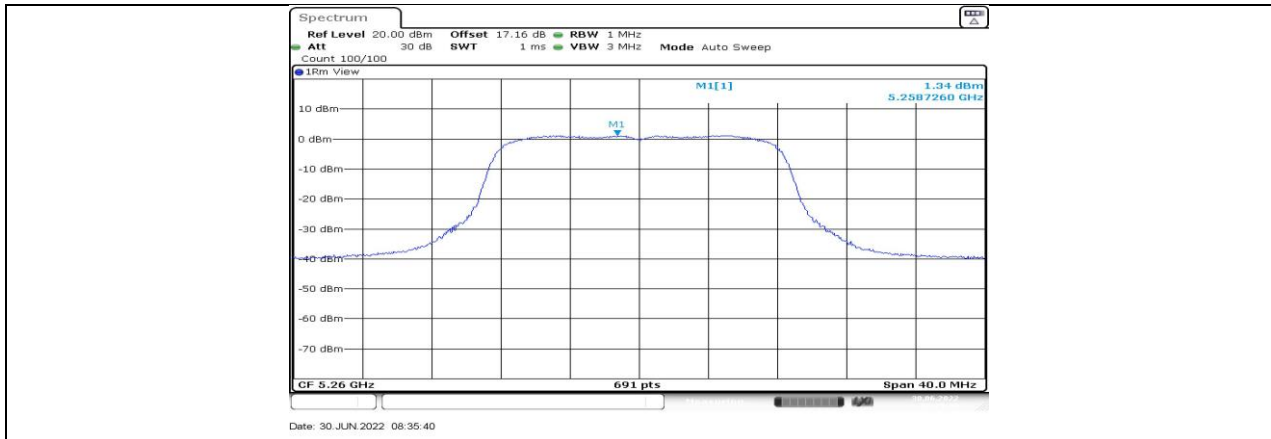
11AX40SISO	Ant1	5785	-6.12	≤30.00	-6.12	---	PASS
		5825	-5.11	≤30.00	-5.11	---	PASS
		5190	-3.06	≤11.00	-1.36	≤10.00	PASS
		5230	-4.25	≤11.00	-2.55	≤10.00	PASS
		5270	-2.53	≤11.00	-2.53	---	PASS
		5310	-3.15	≤11.00	-3.15	---	PASS
		5510	-1.22	≤11.00	-1.22	---	PASS
		5590	-3.34	≤11.00	-3.34	---	PASS
		5670	-2.61	≤11.00	-2.61	---	PASS
		5710_UNII-2C	-5.55	≤11.00	-5.55	---	PASS
		5710_UNII-3	-8.47	≤11.00	-8.47	---	PASS
		5755	-6.92	≤30.00	-6.92	---	PASS
		5795	-8.73	≤30.00	-8.73	---	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





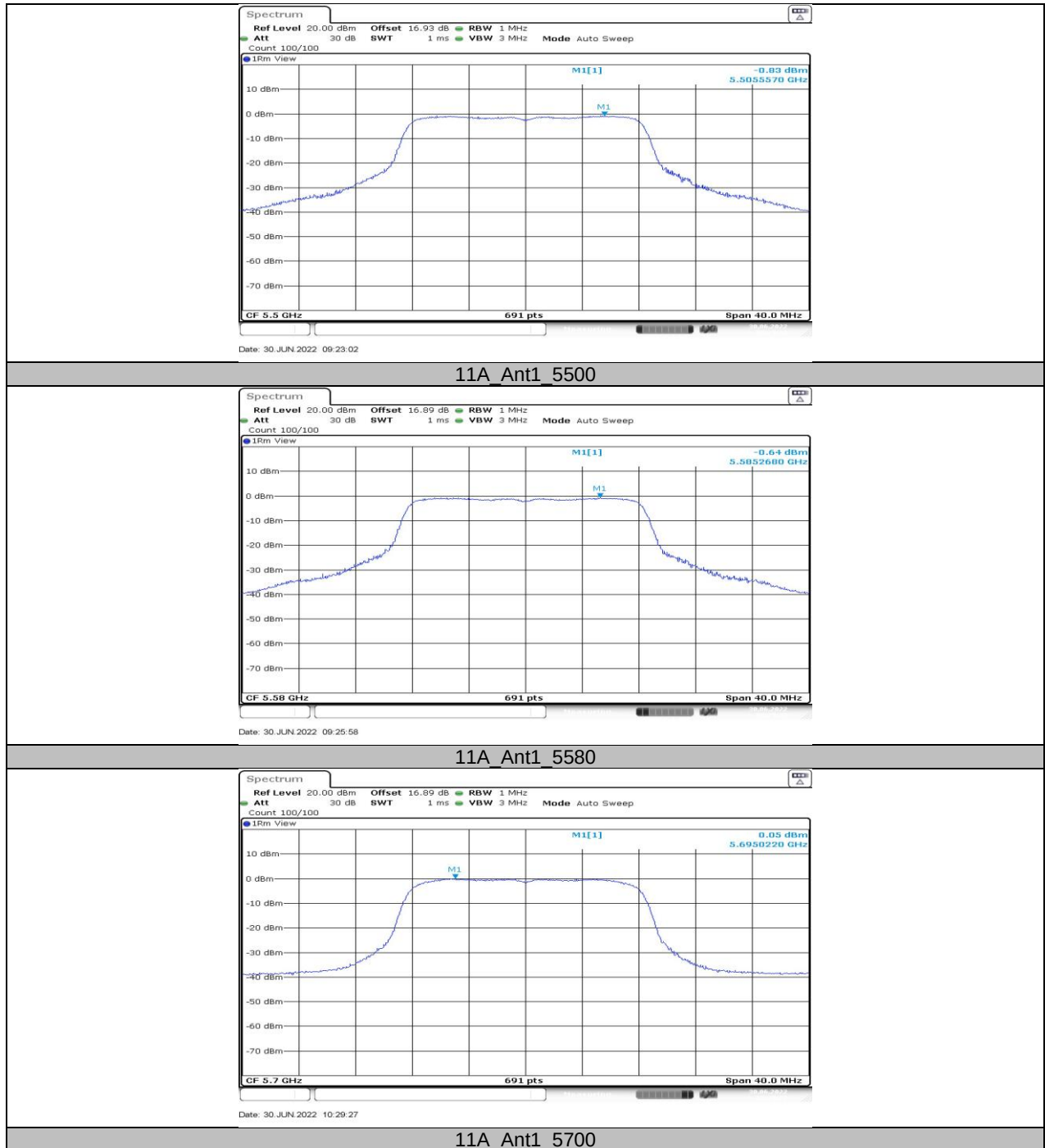
11A_Ant1_5260

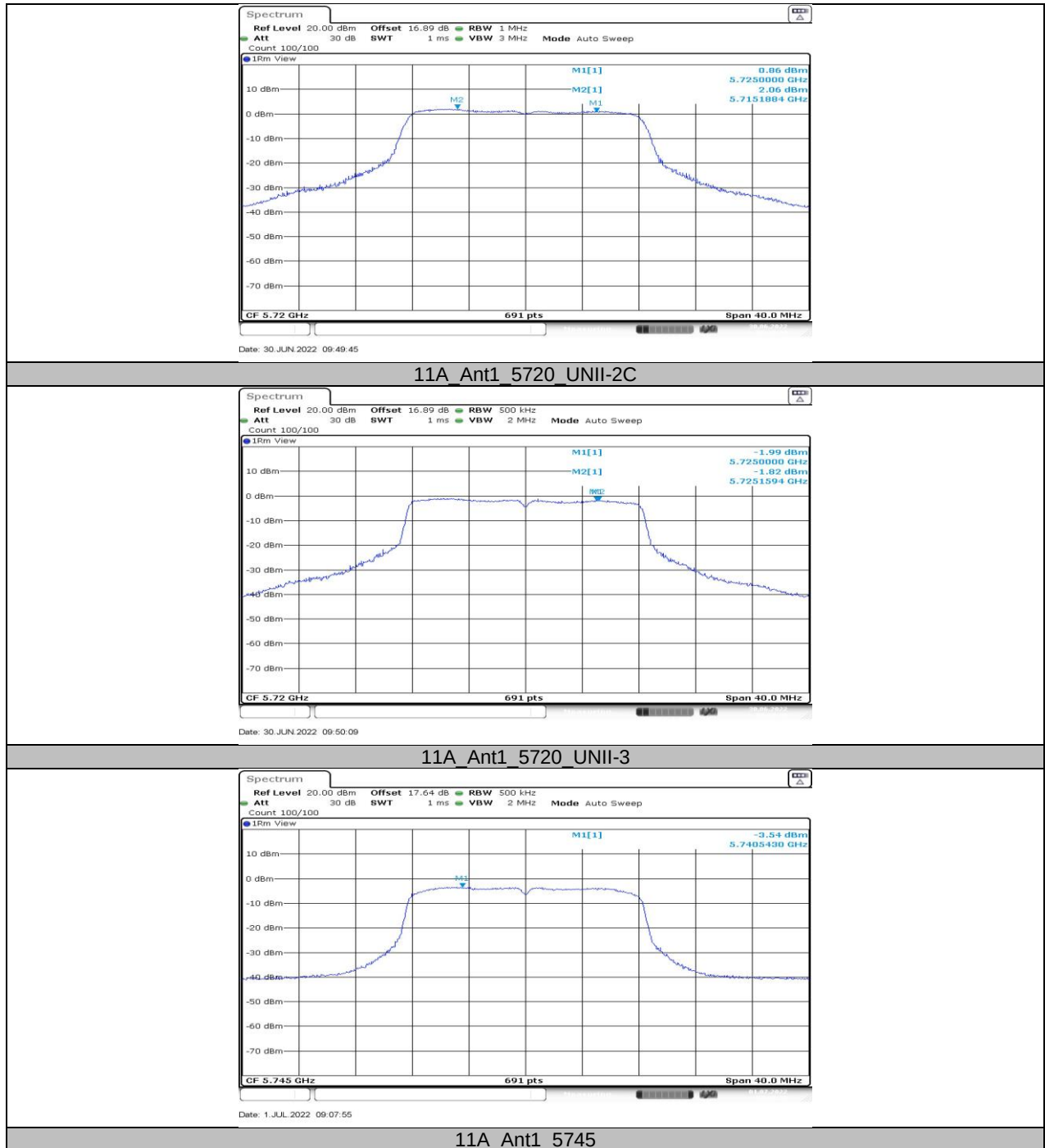


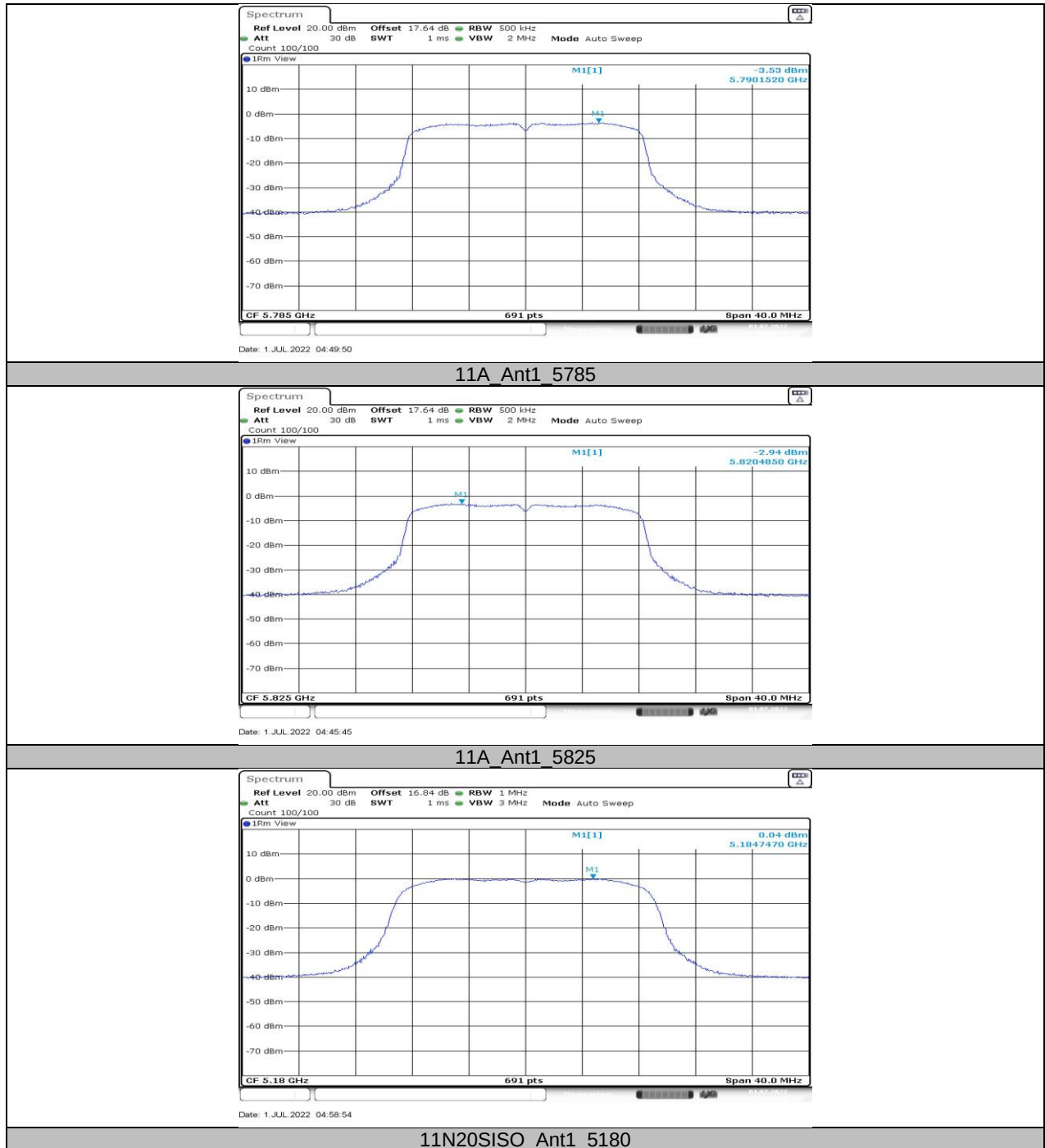
11A_Ant1_5280

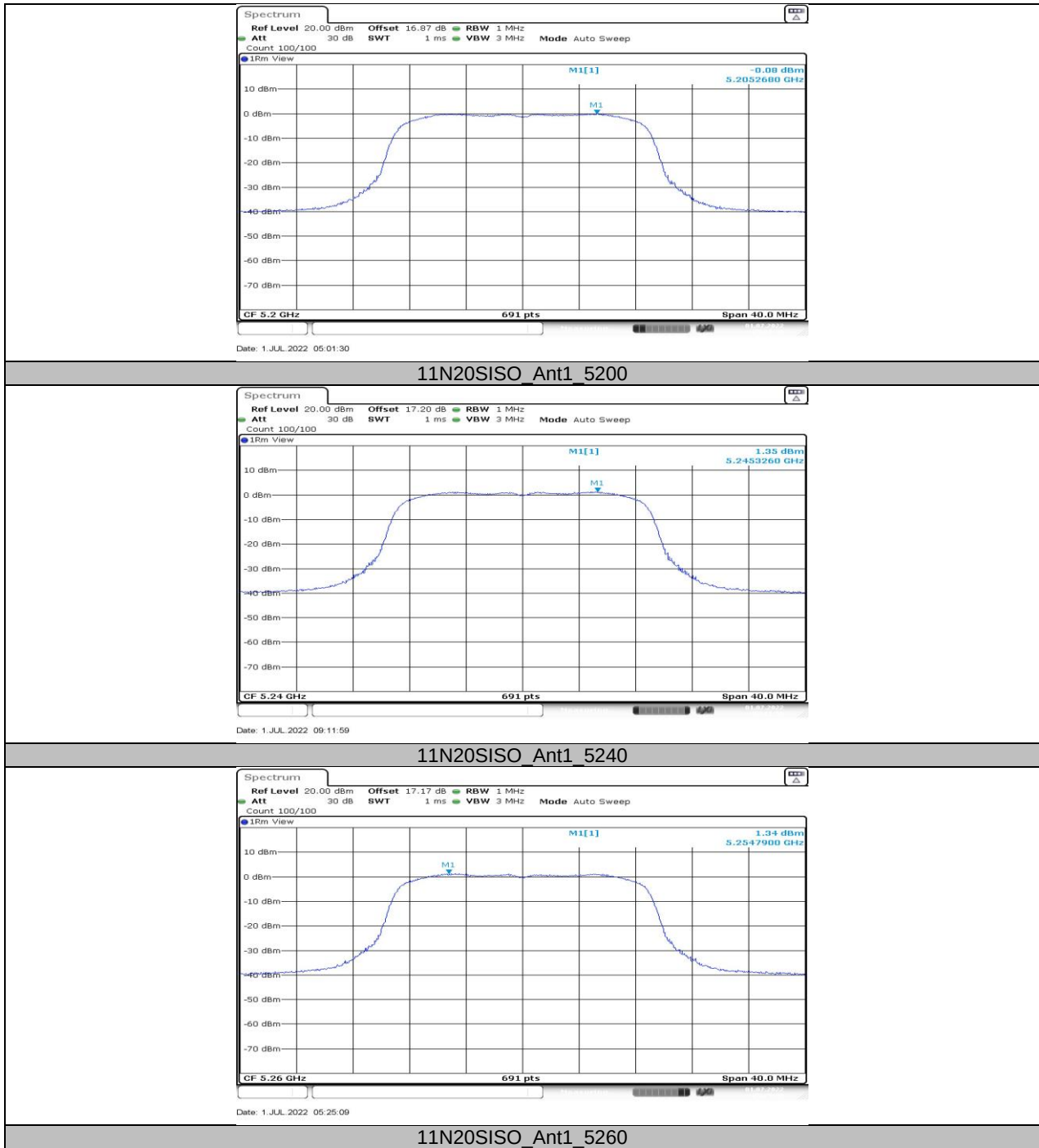


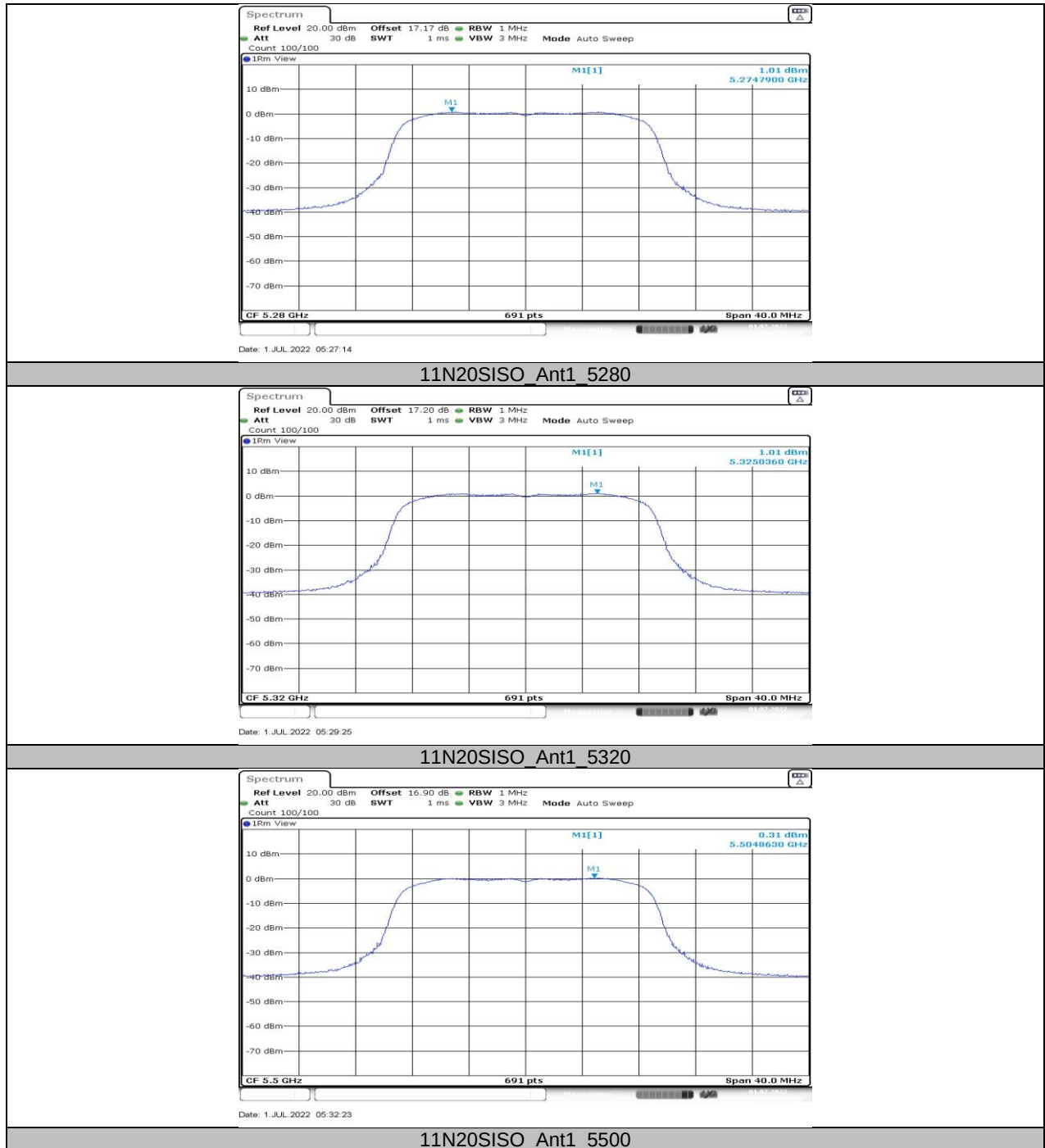
11A_Ant1_5320

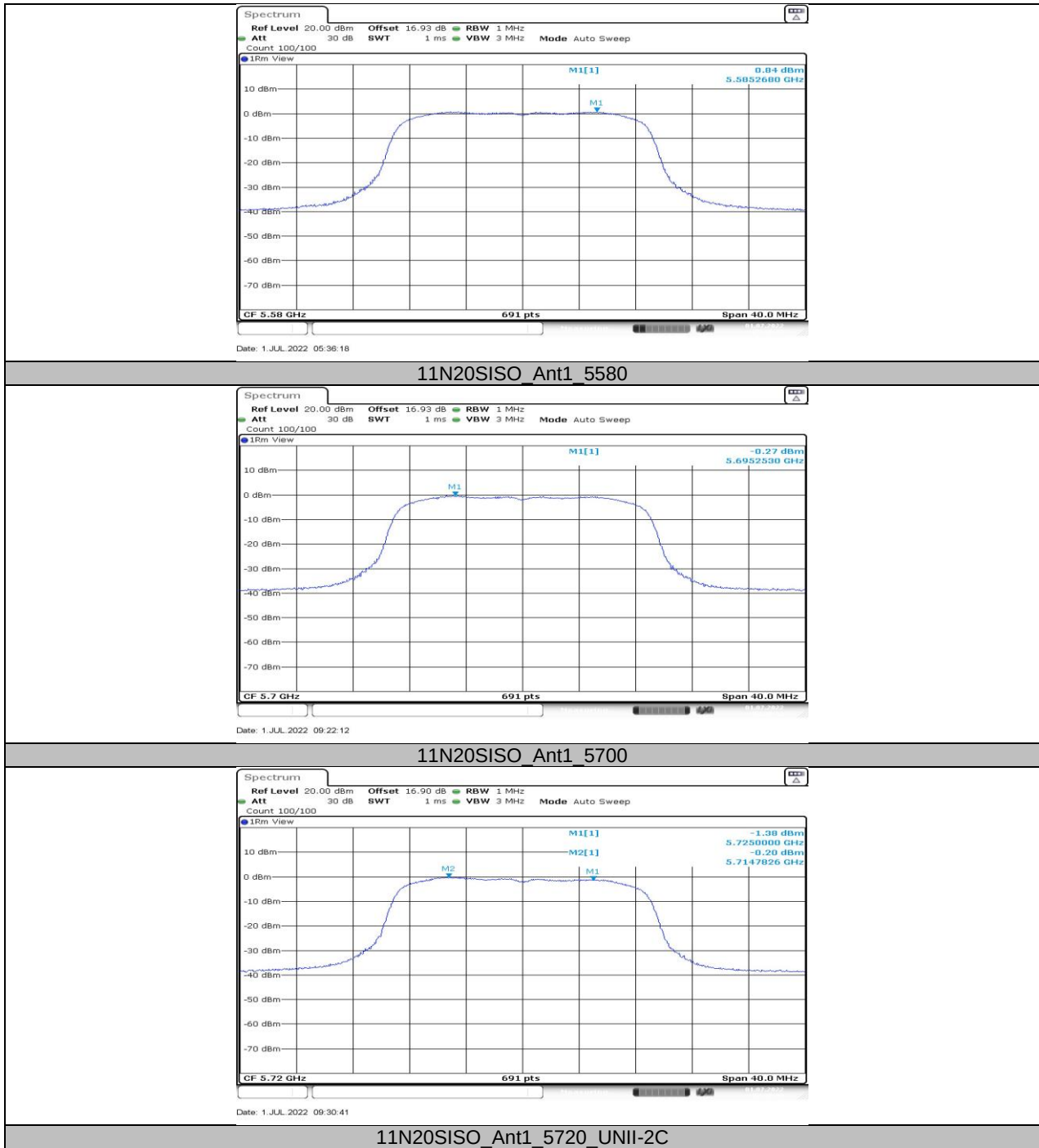














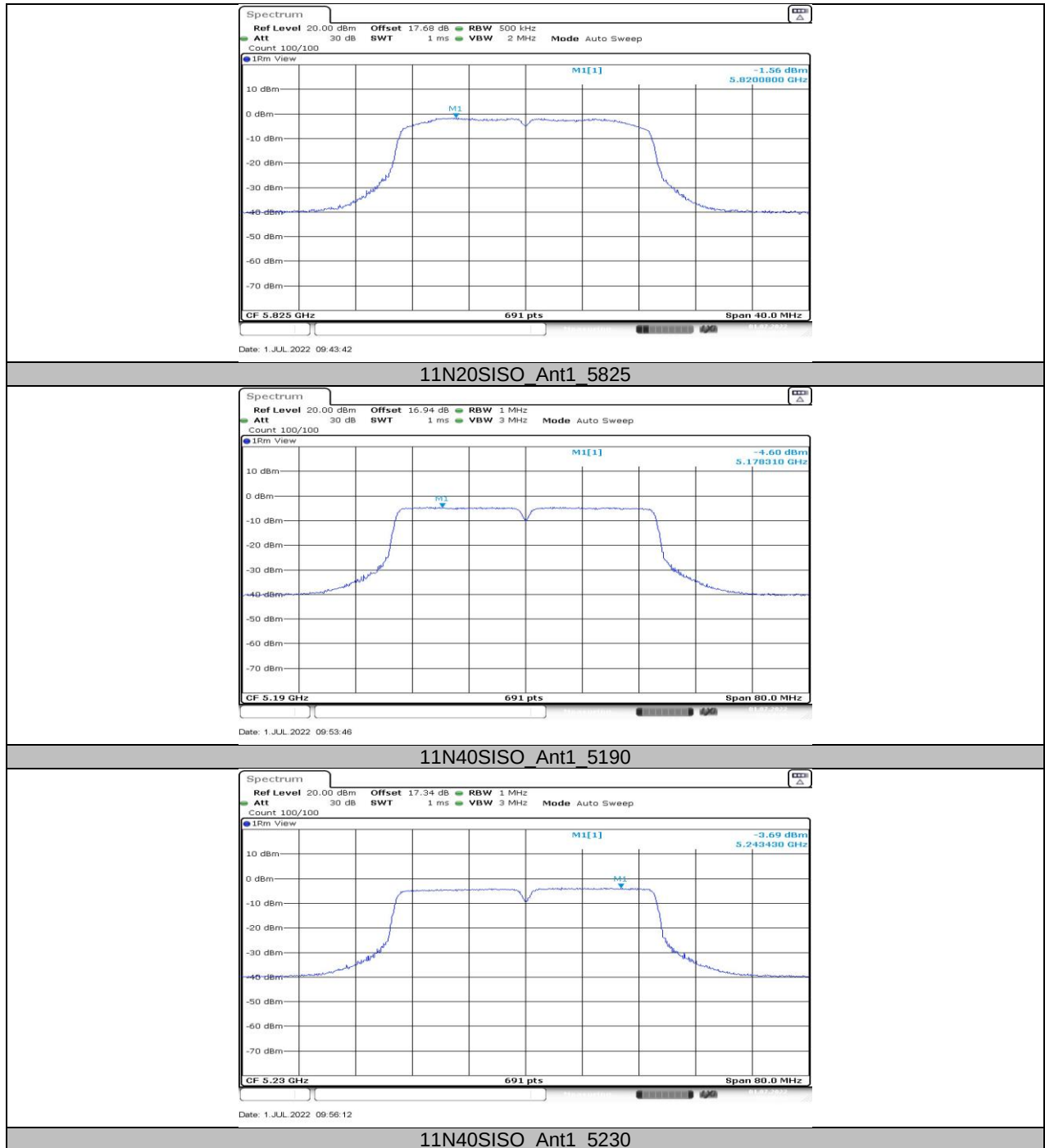
11N20SISO Ant1 5720 UNII-3

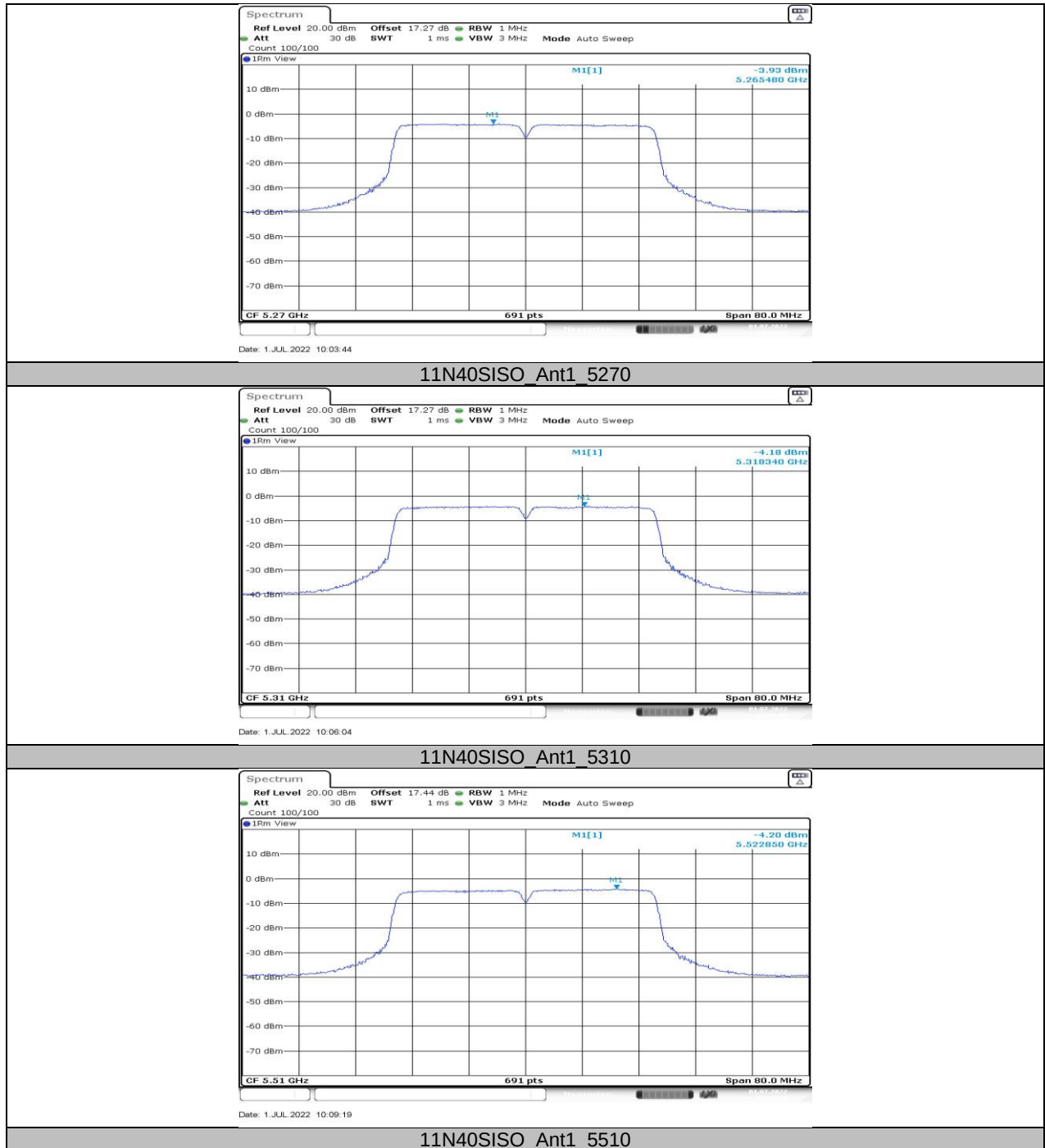


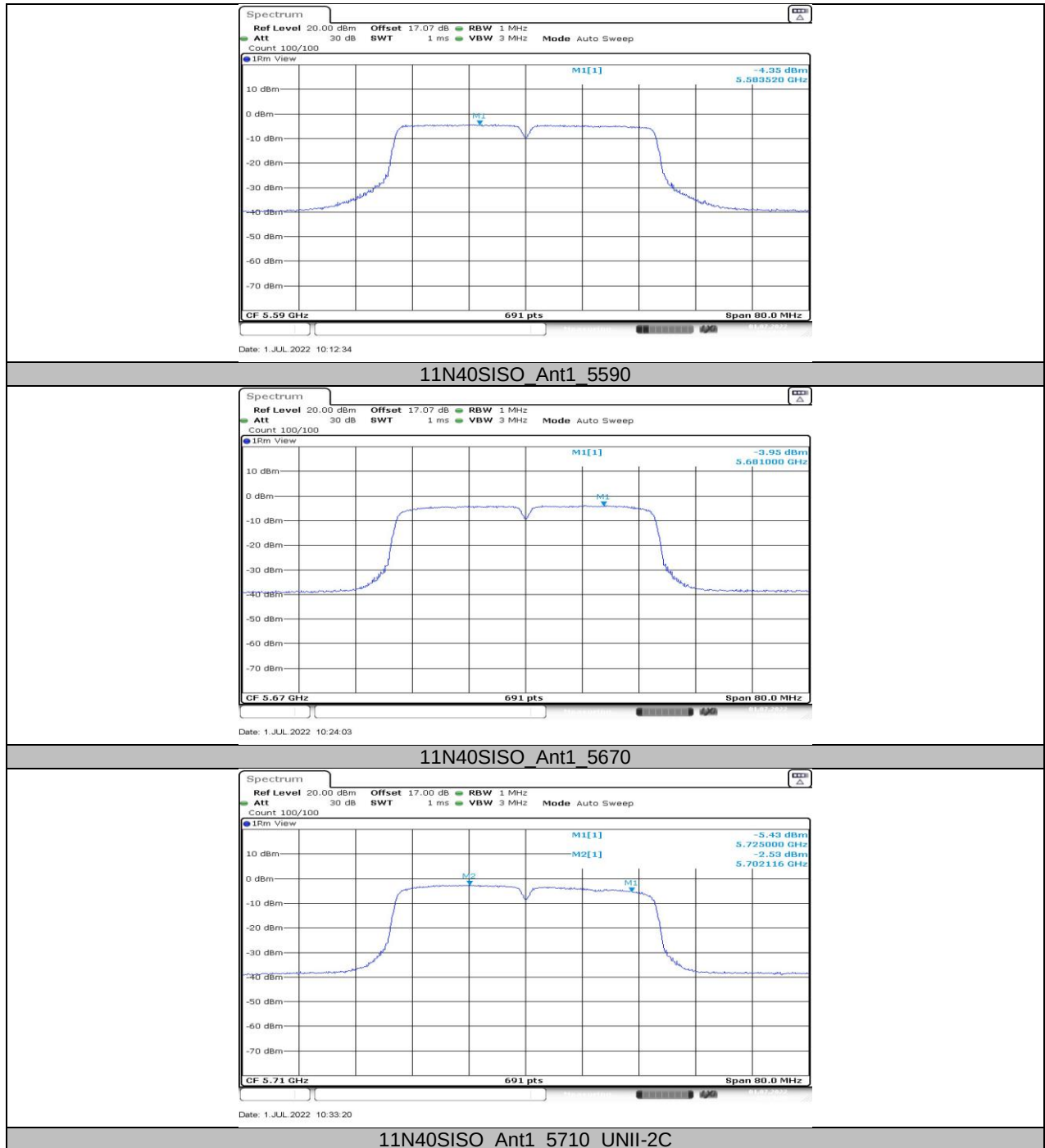
11N20SISO Ant1 5745

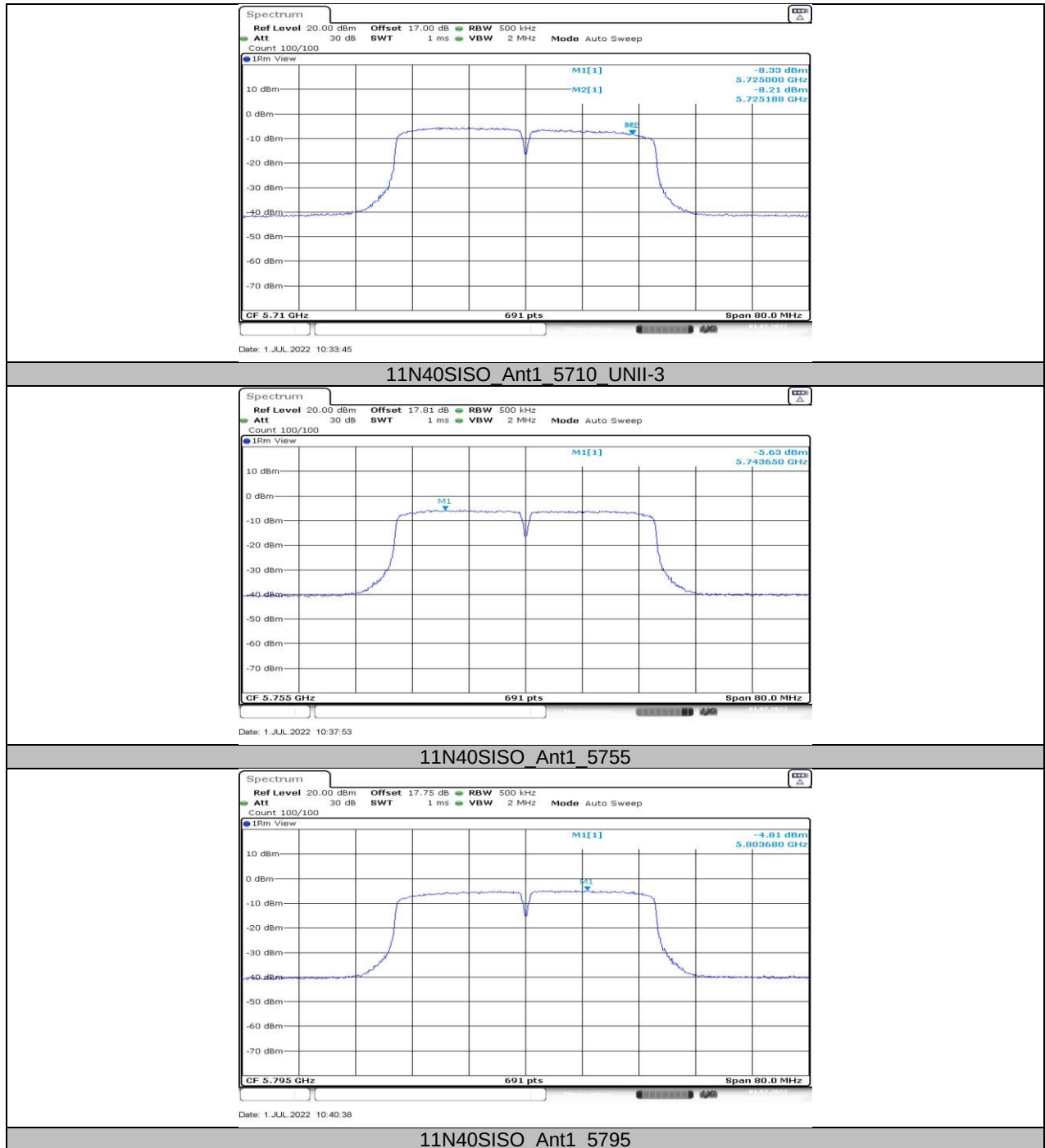


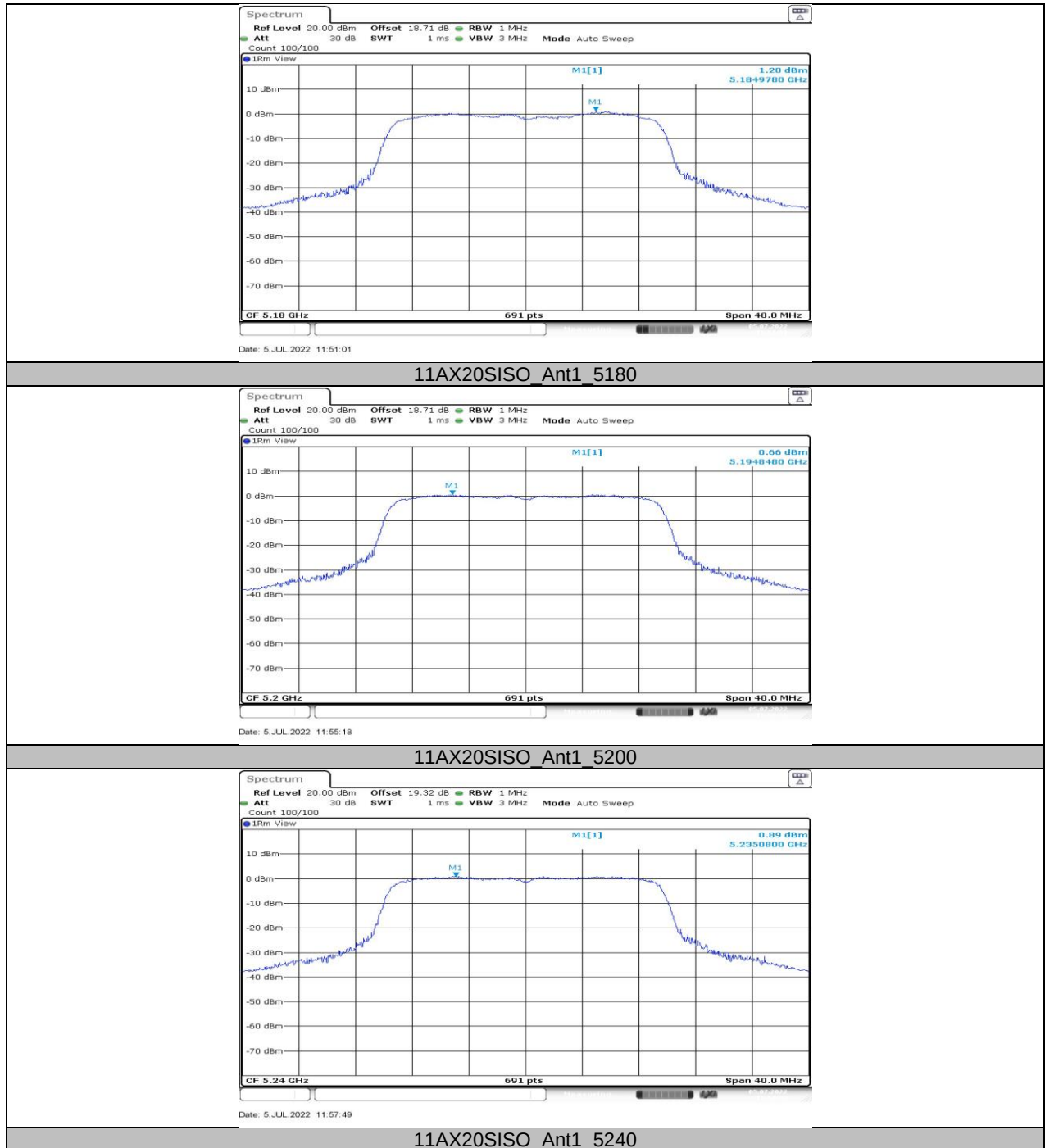
11N20SISO Ant1 5785

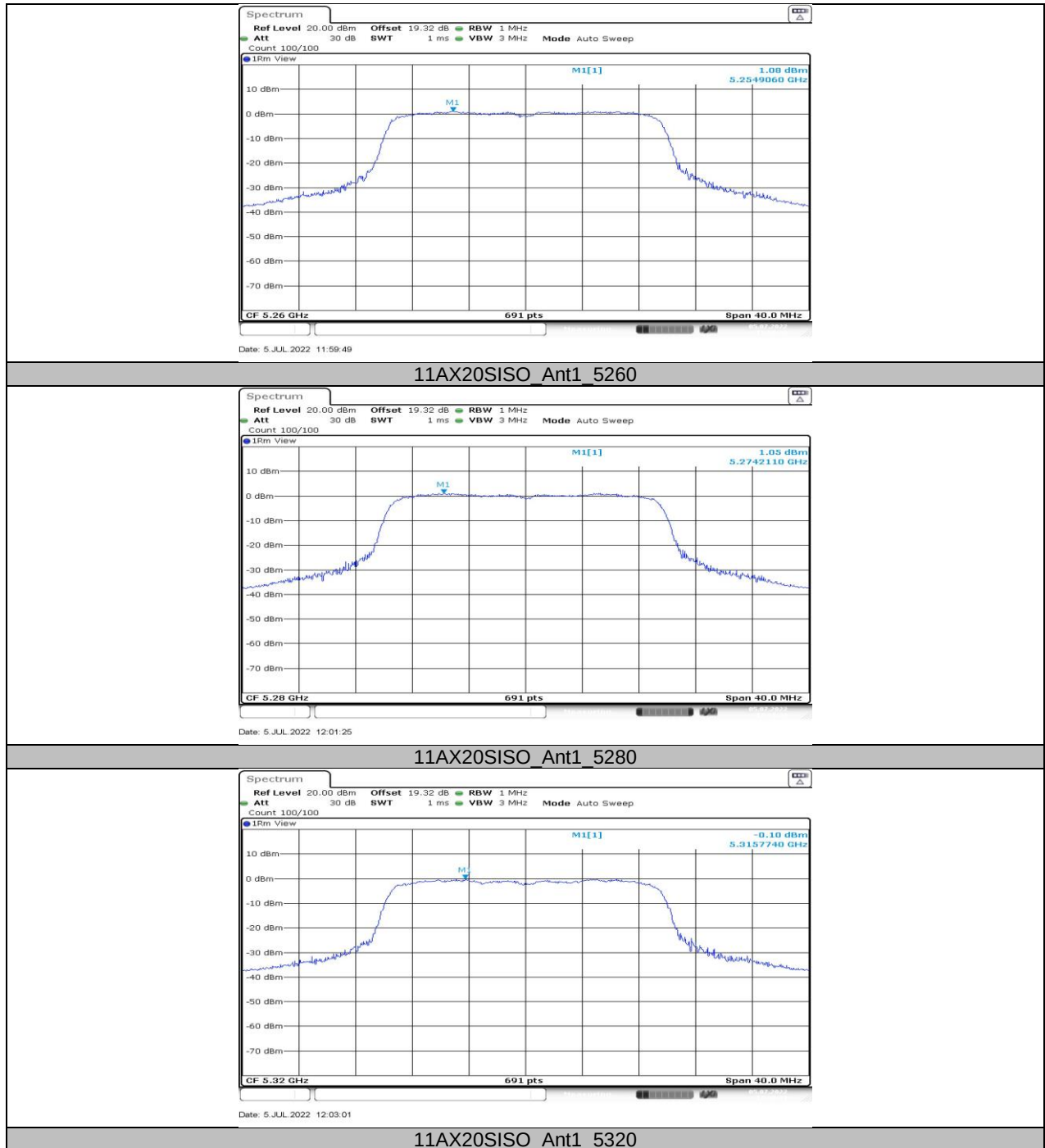
















11AX20SISO Ant1 5720 UNII-2C

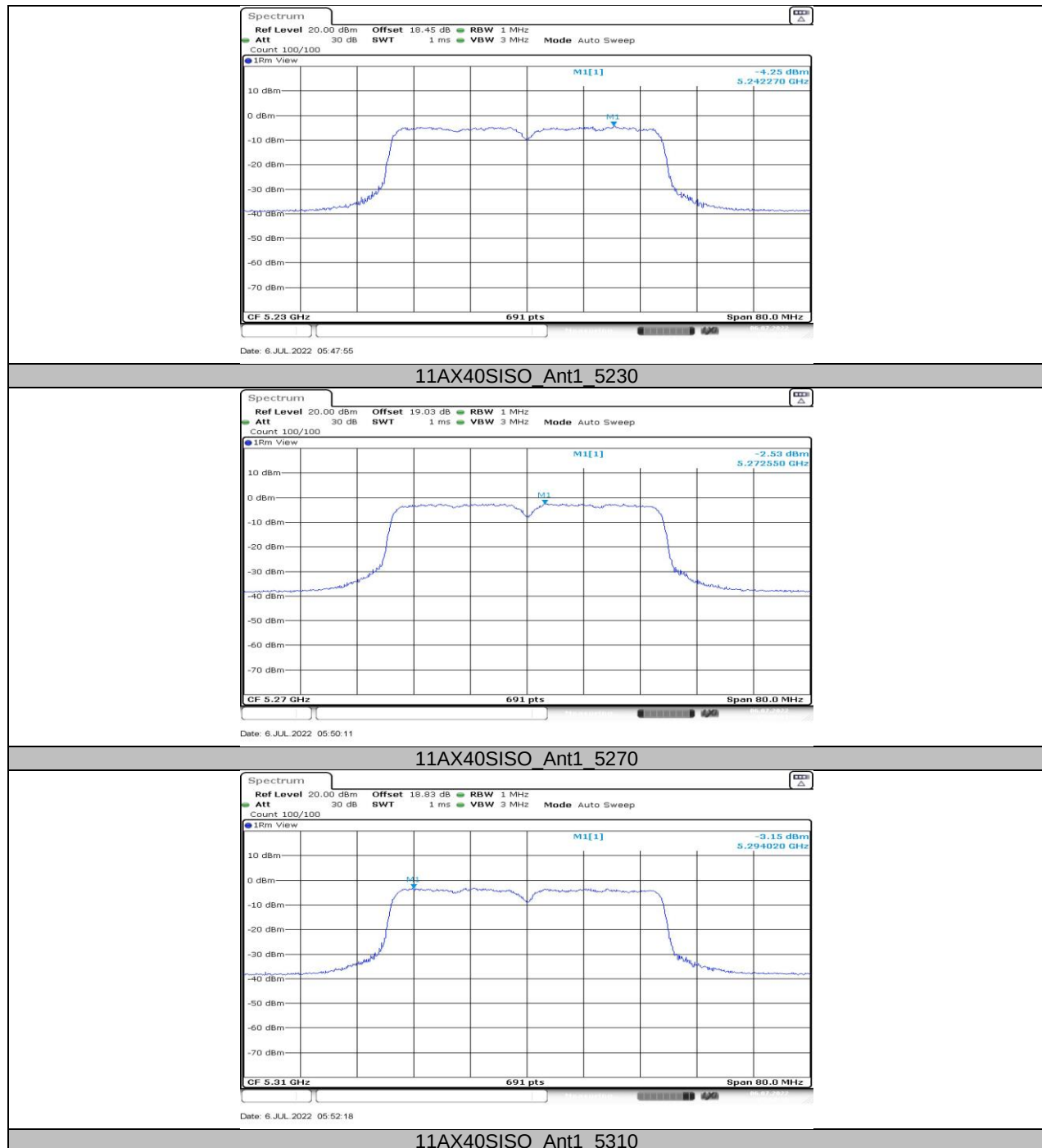


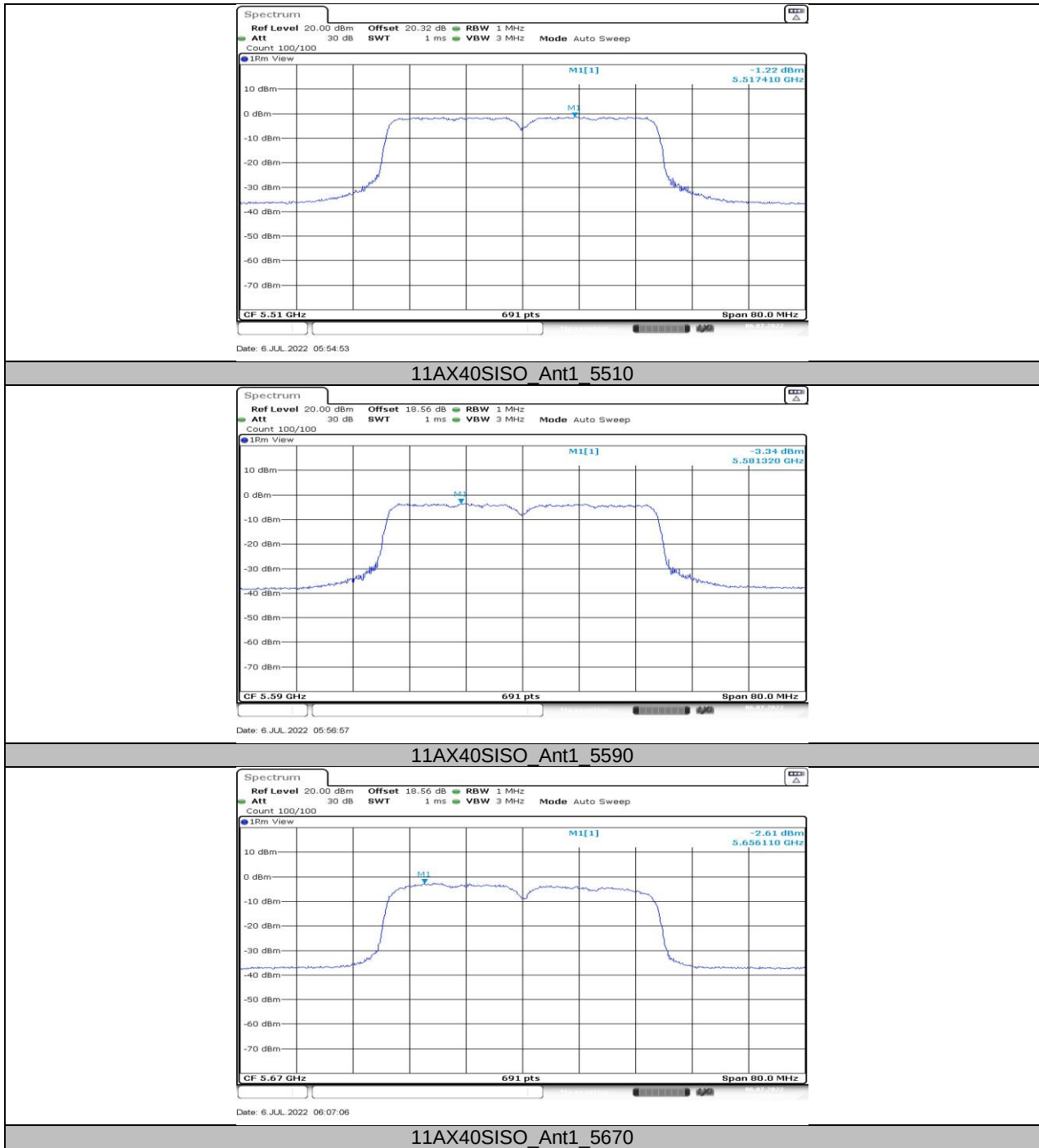
11AX20SISO Ant1 5720 UNII-3

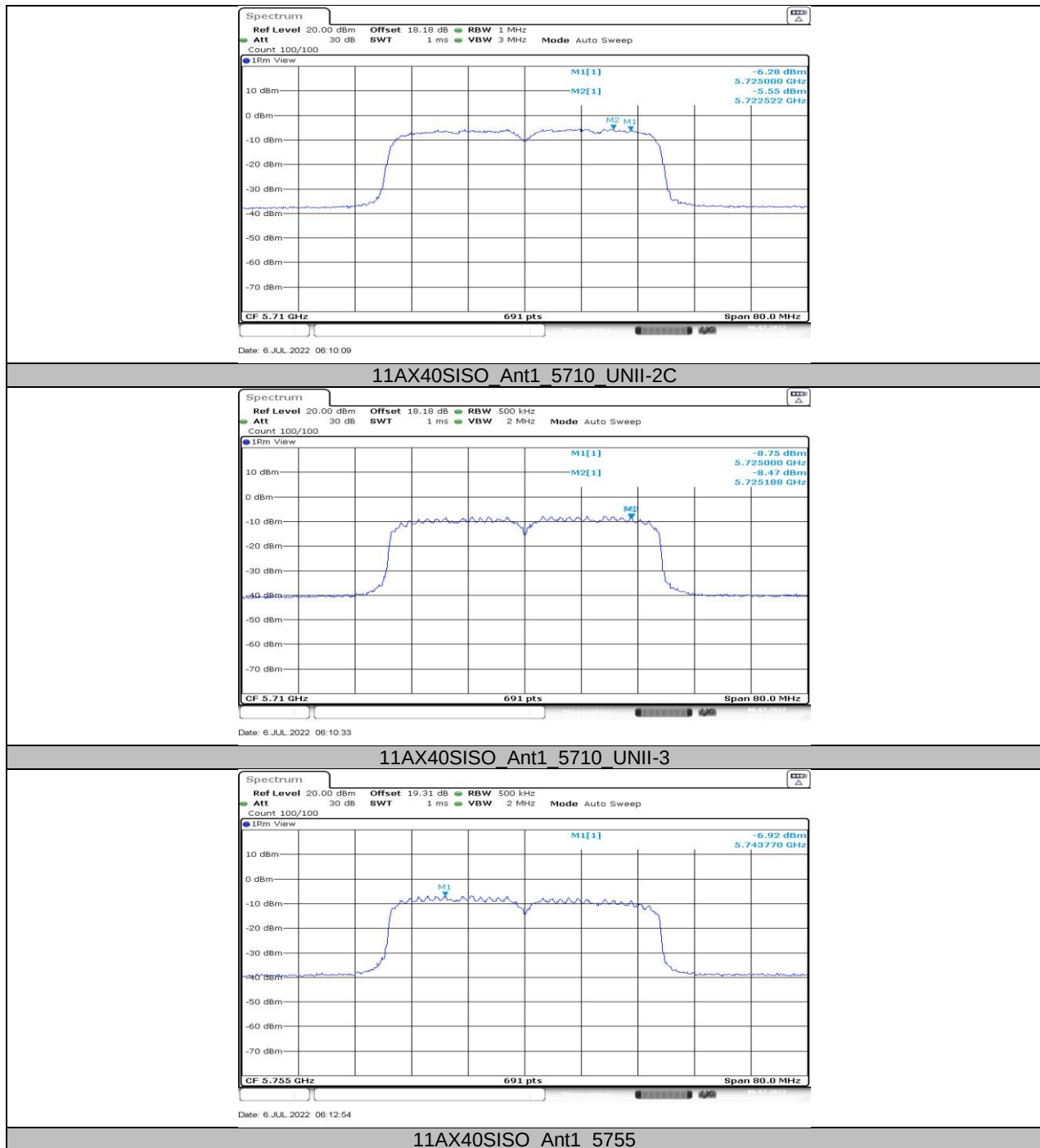


11AX20SISO Ant1 5745













11.6. APPENDIX D: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5200.0109	2.09	5199.9867	-2.56	5200.0015	0.28	5200.0005	0.10
TN	VN	5199.9937	-1.22	5200.0079	1.52	5200.0201	3.87	5200.0207	3.98
TN	VH	5199.9809	-3.67	5200.0177	3.41	5200.0001	0.02	5200.0056	1.08
Frequency Error vs. Temperature									
802.11a20:5200MHz									
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)
40	VN	5199.9992	-0.15	5200.0228	4.39	5200.0240	4.62	5199.9916	-1.62
30	VN	5200.0100	1.92	5199.9975	-0.47	5199.9942	-1.12	5199.9856	-2.77
20	VN	5199.9972	-0.54	5199.9992	-0.16	5200.0134	2.57	5199.9996	-0.07
10	VN	5199.9856	-2.78	5199.9976	-0.46	5200.0221	4.26	5200.0179	3.45
0	VN	5199.9990	-0.20	5200.0106	2.04	5200.0117	2.26	5200.0013	0.25



Frequency Error vs. Voltage									
802.11a20:5825MHz									
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	5825.0154	2.64	5824.9948	-0.89	5824.9809	-3.27	5824.9895	-1.80
TN	VN	5824.9817	-3.14	5824.9792	-3.58	5824.9949	-0.87	5825.0128	2.20
TN	VH	5824.9872	-2.20	5824.9858	-2.44	5824.9946	-0.93	5824.9918	-1.41
Frequency Error vs. Temperature									
802.11a20:5825MHz									
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	5825.0028	0.47	5824.9981	-0.33	5824.9897	-1.77	5825.0216	3.71
30	VN	5825.0232	3.99	5824.9803	-3.37	5825.0194	3.34	5824.9775	-3.86
20	VN	5824.9751	-4.27	5825.0078	1.35	5825.0187	3.21	5824.9933	-1.15
10	VN	5824.9890	-1.89	5824.9876	-2.13	5825.0114	1.95	5825.0040	0.68
0	VN	5824.9970	-0.52	5825.0107	1.83	5825.0138	2.36	5825.0176	3.02

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 E: 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	1.35	1.38	0.9783	97.83	0.10	0.74	1
11N20SISO	1.26	1.29	0.9767	97.67	0.10	0.79	1
11N40SISO	0.63	0.66	0.9545	95.45	0.20	1.59	2
11AX20SISO	0.12	0.15	0.8000	80.00	0.97	8.33	10
11AX40SISO	0.08	0.11	0.7273	72.73	1.38	12.50	15

Note:

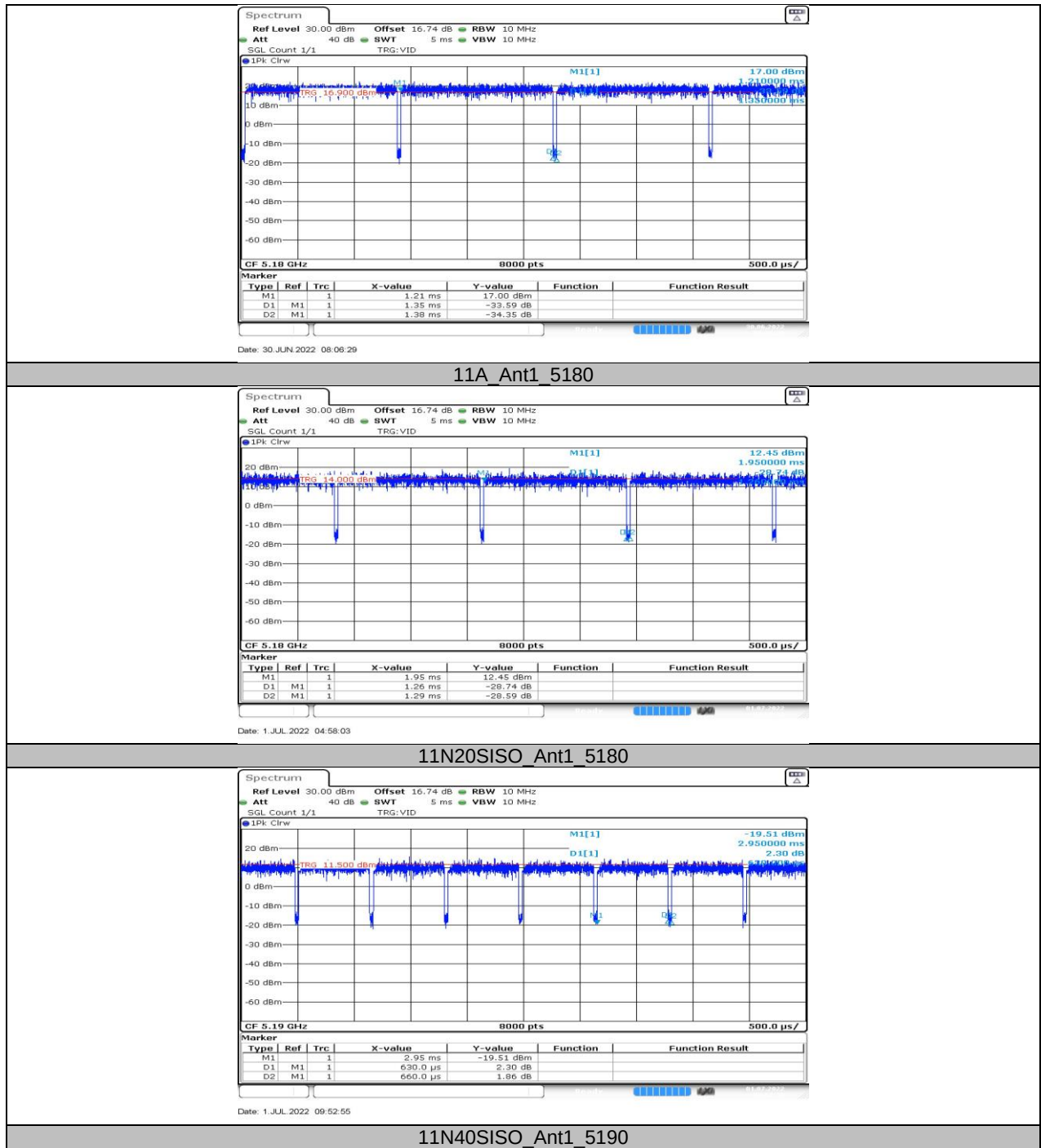
Duty Cycle Correction Factor=10log (1/x).

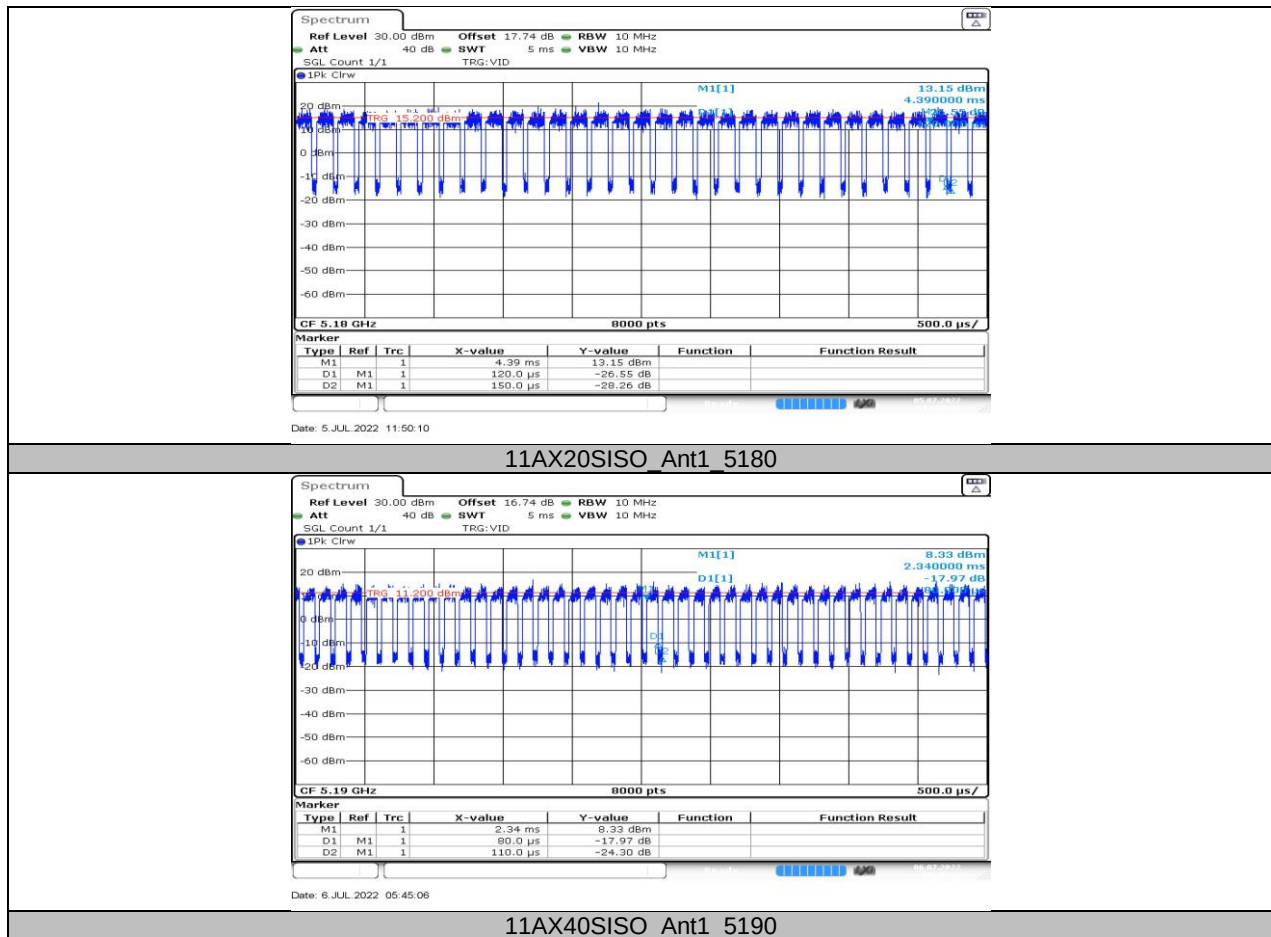
Where: x is Duty Cycle (Linear)

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





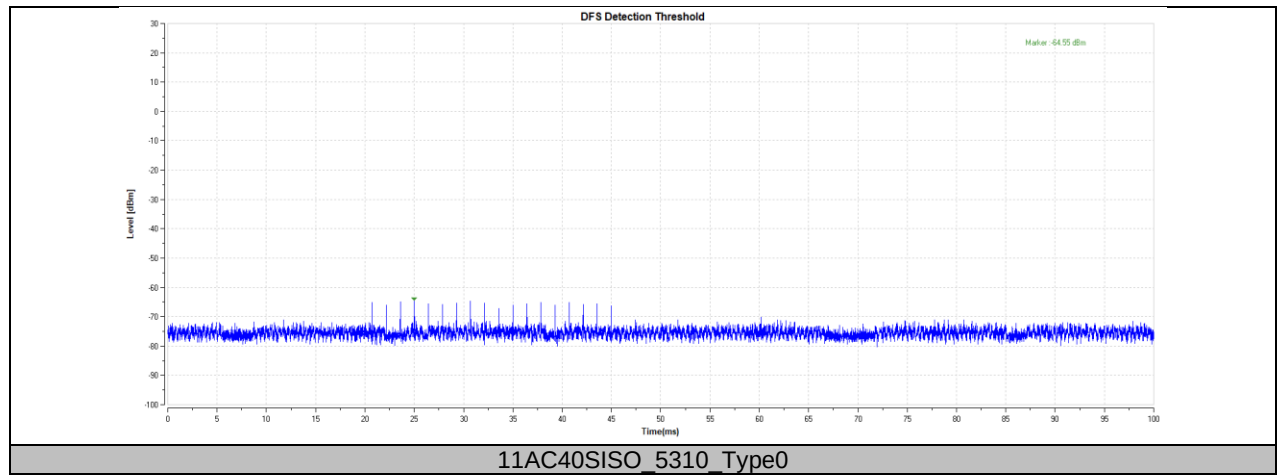


11.8. APPENDIX F: DFS DETECTION THRESHOLDS

11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11AX40SISO	5310	Type0	-64.55	-62.00	PASS

11.8.2. Test Graphs





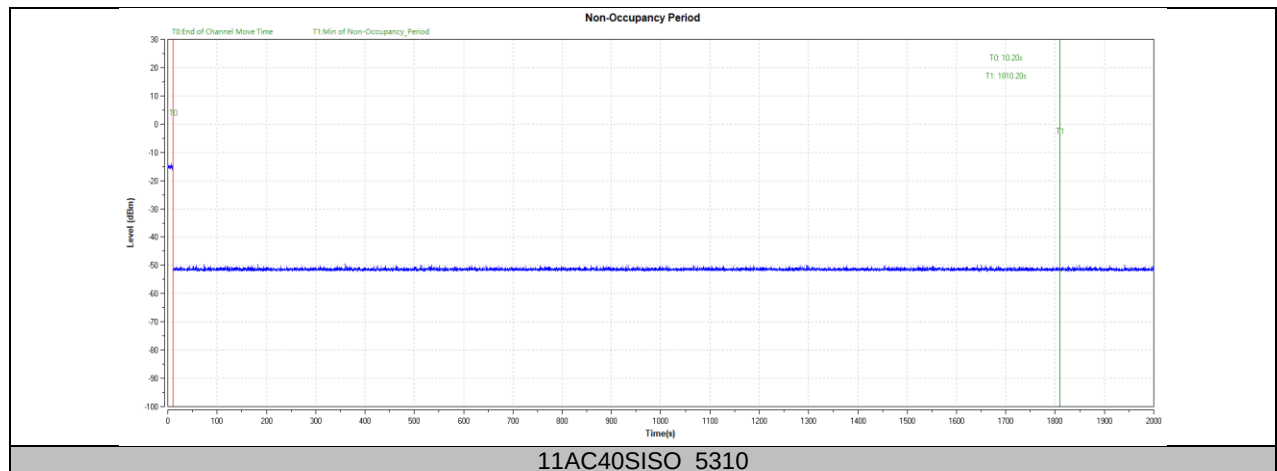
11.9. APPENDIX G: NON-OCCUPANCY PERIOD

Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AX40SISO	5310	see test graph	≥ 1800	PASS



11.9.1. Test Graphs





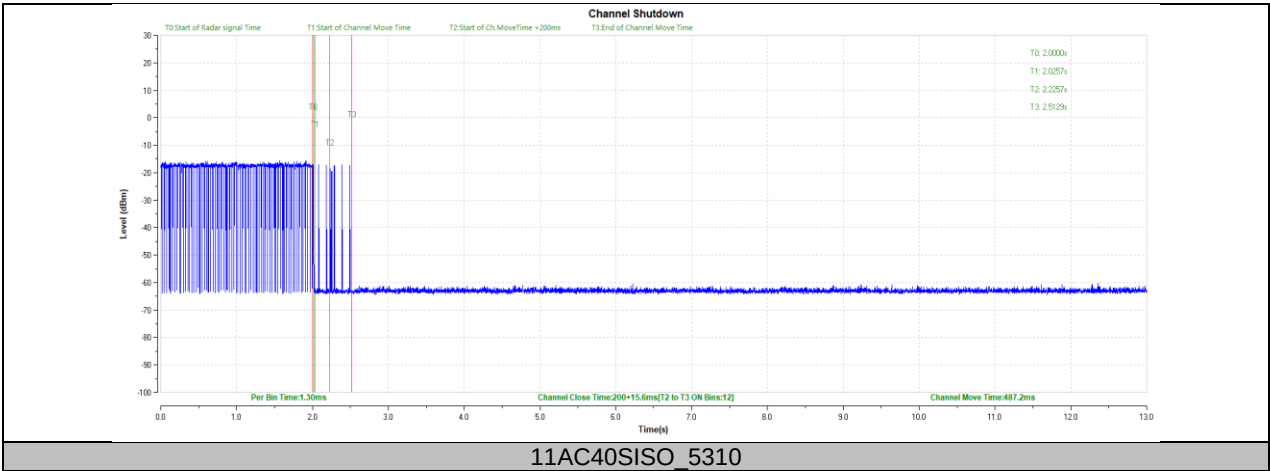
11.10. APPENDIX H: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

11.10.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX40SISO	5310	200+15.6	200+60	487.2	10000	PASS



11.10.2. Test Graphs



END OF REPORT