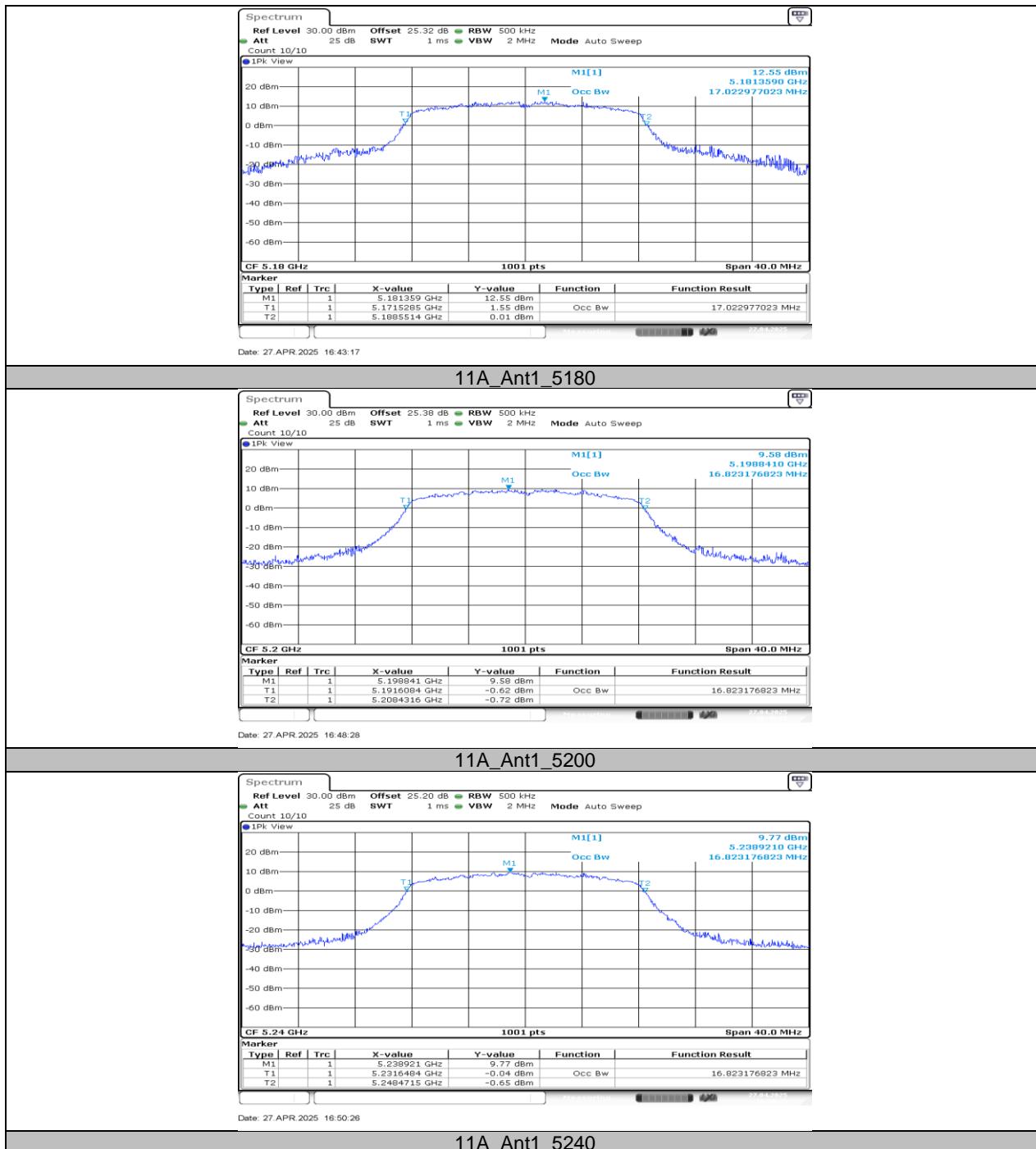


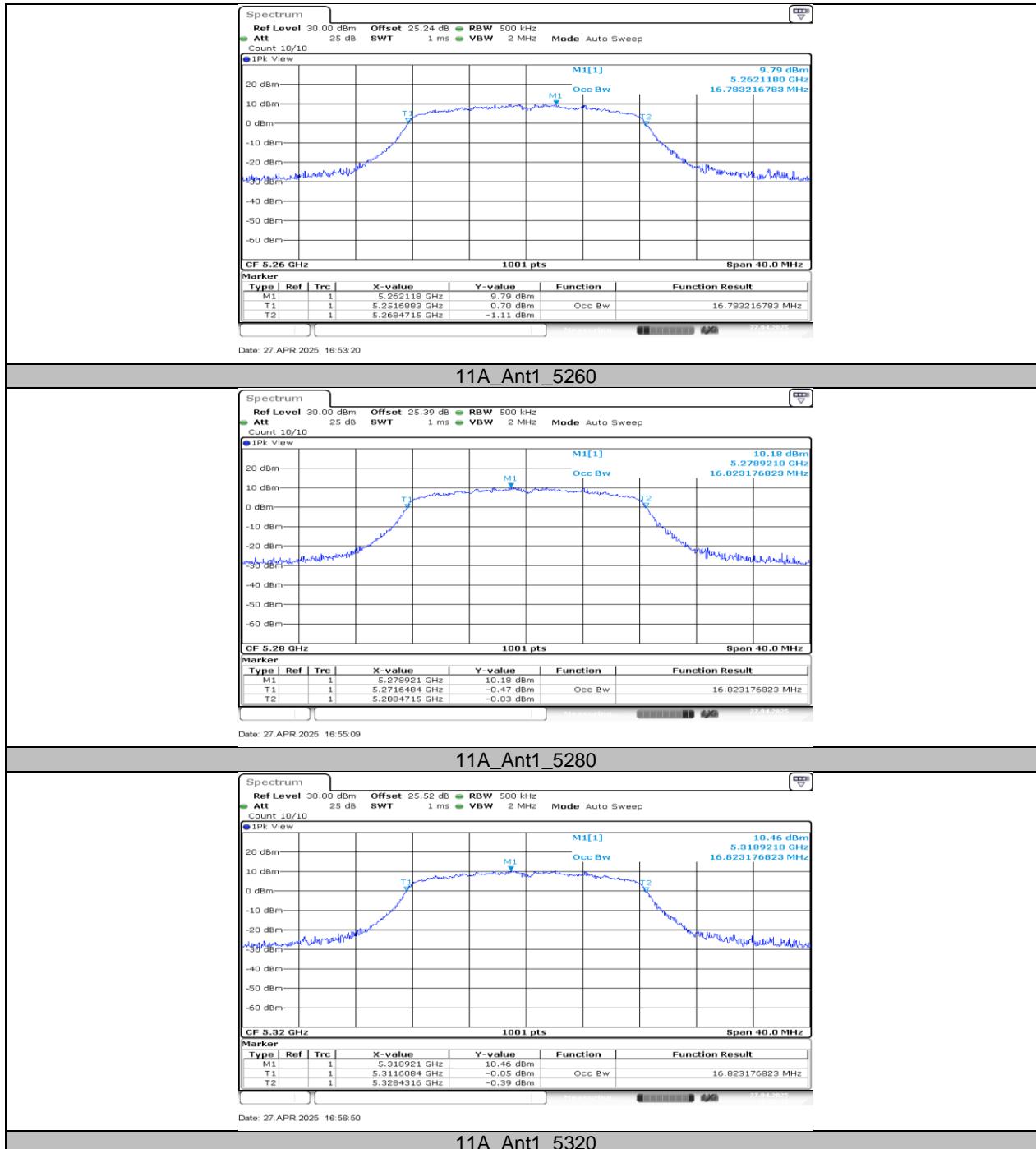
11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

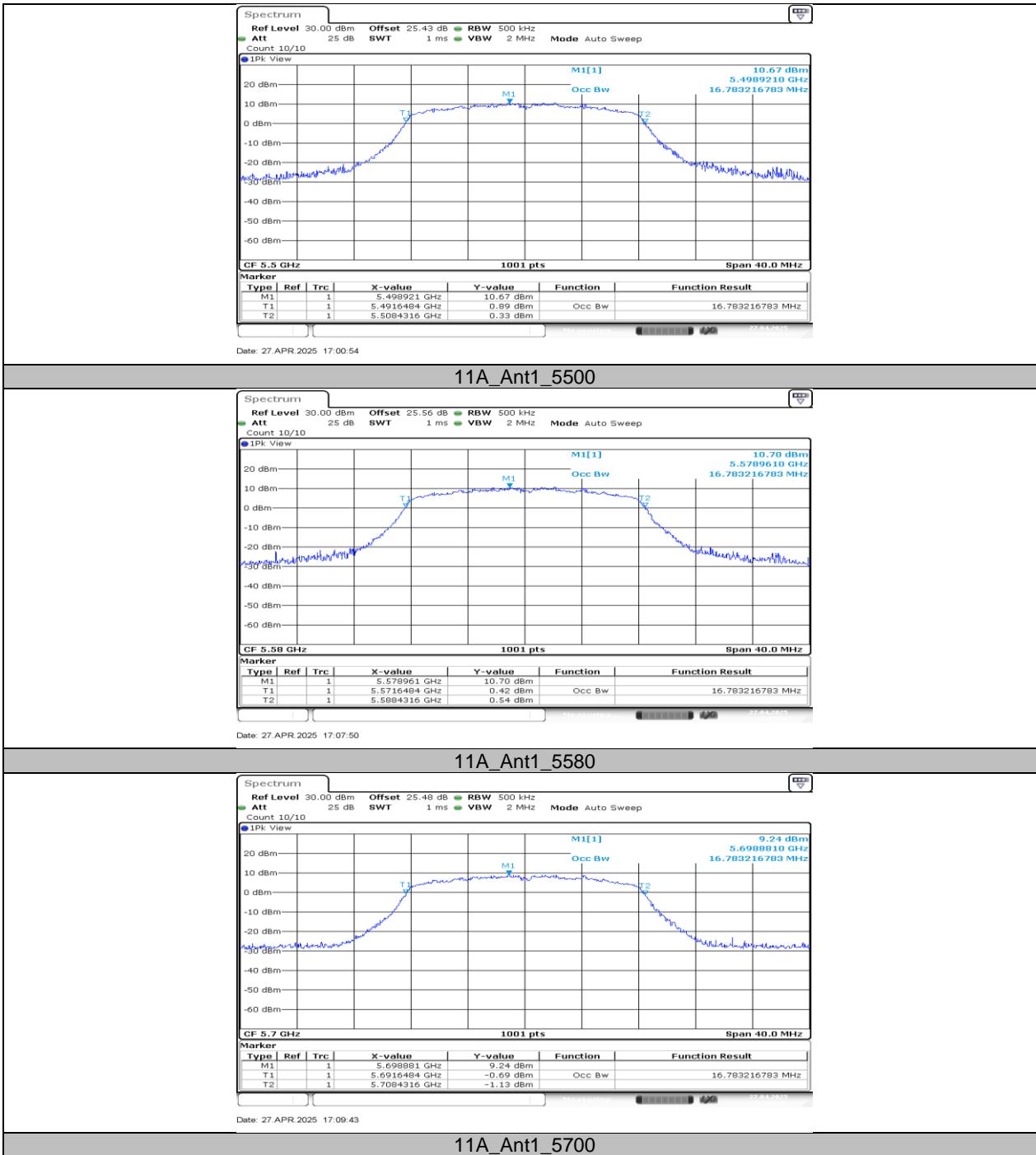
11.2.1. Test Result

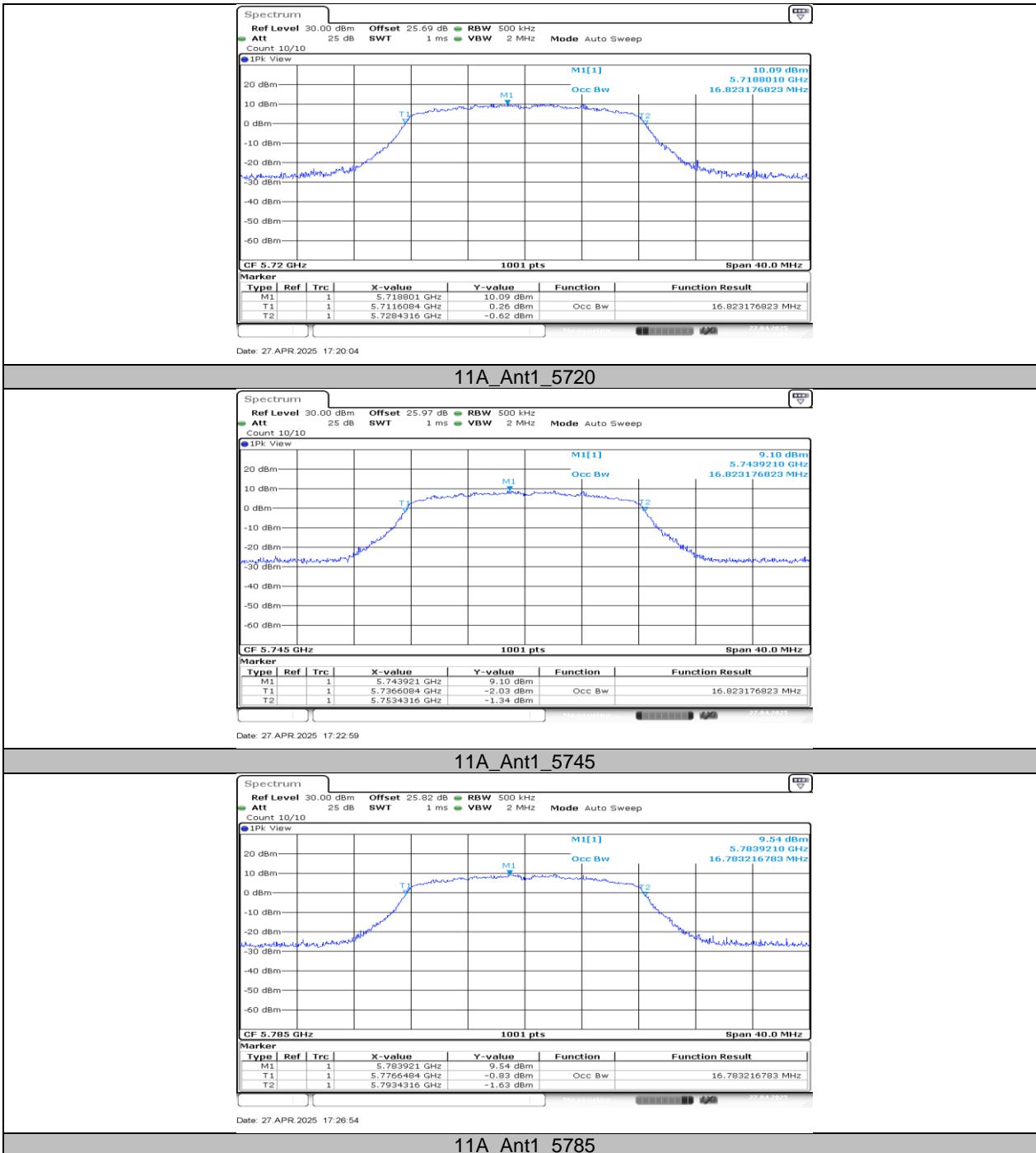
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	17.023	5171.5285	5188.5514	PASS
		5200	16.823	5191.6084	5208.4316	PASS
		5240	16.823	5231.6484	5248.4715	PASS
		5260	16.783	5251.6883	5268.4715	PASS
		5280	16.823	5271.6484	5288.4715	PASS
		5320	16.823	5311.6084	5328.4316	PASS
		5500	16.783	5491.6484	5508.4316	PASS
		5580	16.783	5571.6484	5588.4316	PASS
		5700	16.783	5691.6484	5708.4316	PASS
		5720	16.823	5711.6084	5728.4316	PASS
		5720_UNII-2C	13.392	5711.6084	5725	PASS
		5720_UNII-3	3.432	5725	5728.4316	PASS
		5745	16.823	5736.6084	5753.4316	PASS
		5785	16.783	5776.6484	5793.4316	PASS
		5825	16.823	5816.6484	5833.4715	PASS
		5180	17.822	5171.0490	5188.8711	PASS
		5200	17.822	5191.0490	5208.8711	PASS
		5240	17.822	5231.0490	5248.8711	PASS
11N20SISO	Ant1	5260	17.822	5251.0889	5268.9111	PASS
		5280	17.822	5271.0889	5288.9111	PASS
		5320	17.862	5311.0490	5328.9111	PASS
		5500	17.822	5491.0889	5508.9111	PASS
		5580	17.862	5571.0490	5588.9111	PASS
		5700	17.862	5691.0490	5708.9111	PASS
		5720	17.862	5711.0090	5728.8711	PASS
		5720_UNII-2C	13.991	5711.0090	5725	PASS
		5720_UNII-3	3.871	5725	5728.8711	PASS
		5745	17.902	5736.0090	5753.9111	PASS
		5785	17.862	5776.0490	5793.9111	PASS
		5825	17.902	5816.0490	5833.9510	PASS
		5190	35.485	5172.1778	5207.6623	PASS
		5230	35.485	5212.2577	5247.7423	PASS
		5270	35.485	5252.2577	5287.7423	PASS
11N40SISO	Ant1	5310	35.485	5292.2577	5327.7423	PASS
		5510	35.485	5492.2577	5527.7423	PASS
		5550	35.485	5532.2577	5567.7423	PASS
		5670	35.485	5652.2577	5687.7423	PASS
		5710	35.485	5692.2577	5727.7423	PASS
		5710_UNII-2C	32.742	5692.2577	5725	PASS
		5710_UNII-3	2.742	5725	5727.7423	PASS
		5755	35.564	5737.1778	5772.7423	PASS
		5795	35.644	5777.1778	5812.8222	PASS

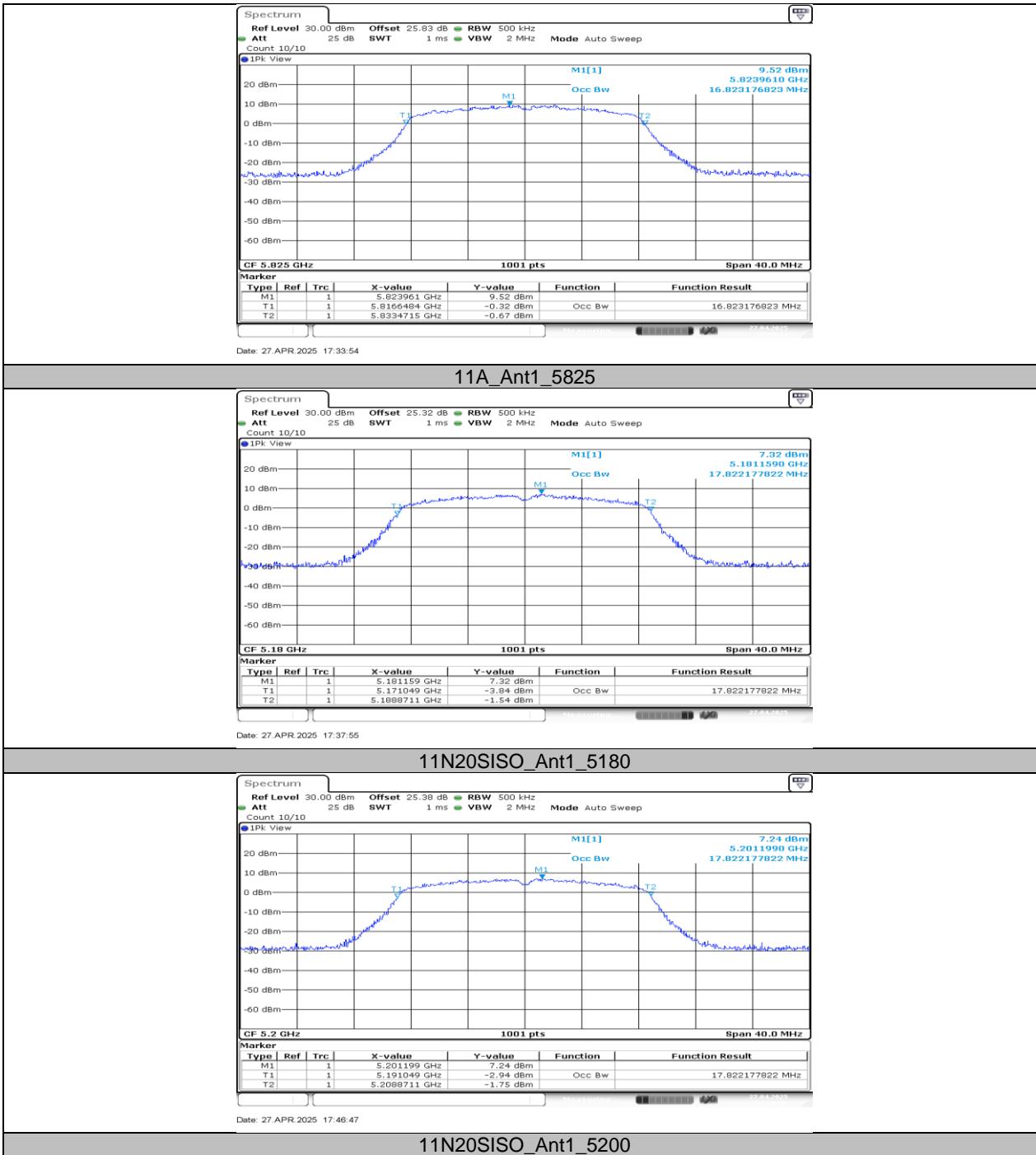
11.2.2. Test Graphs

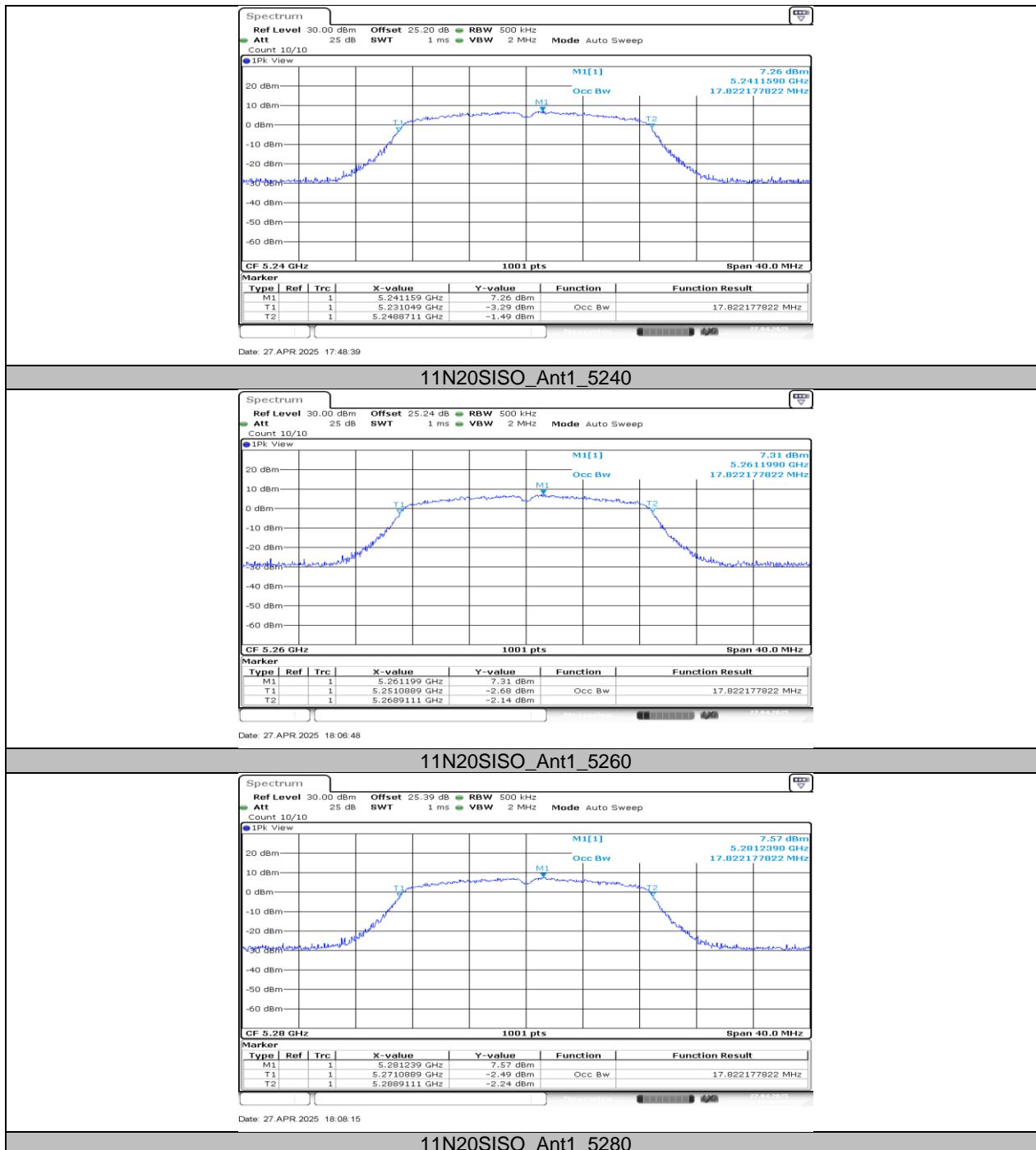


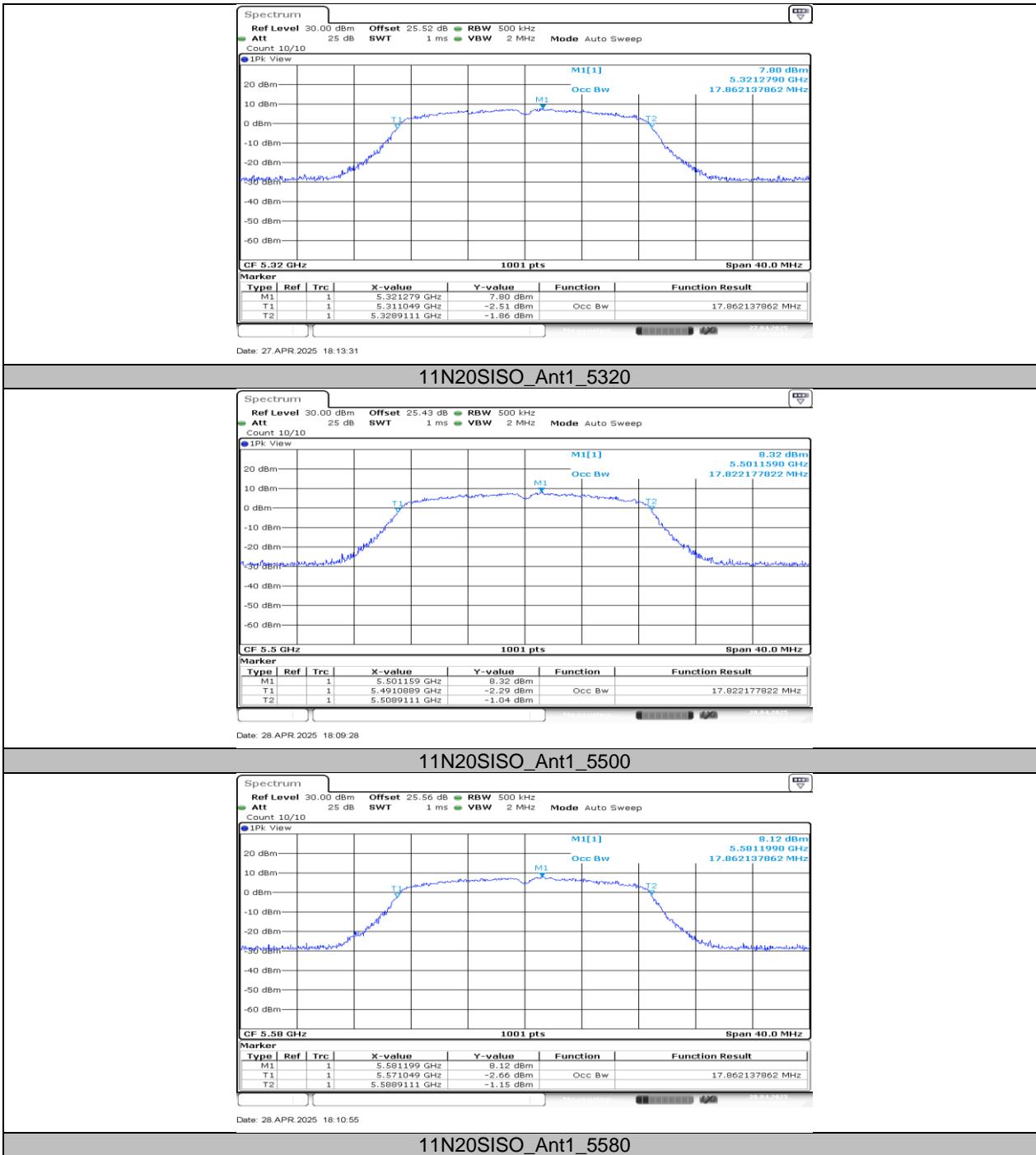


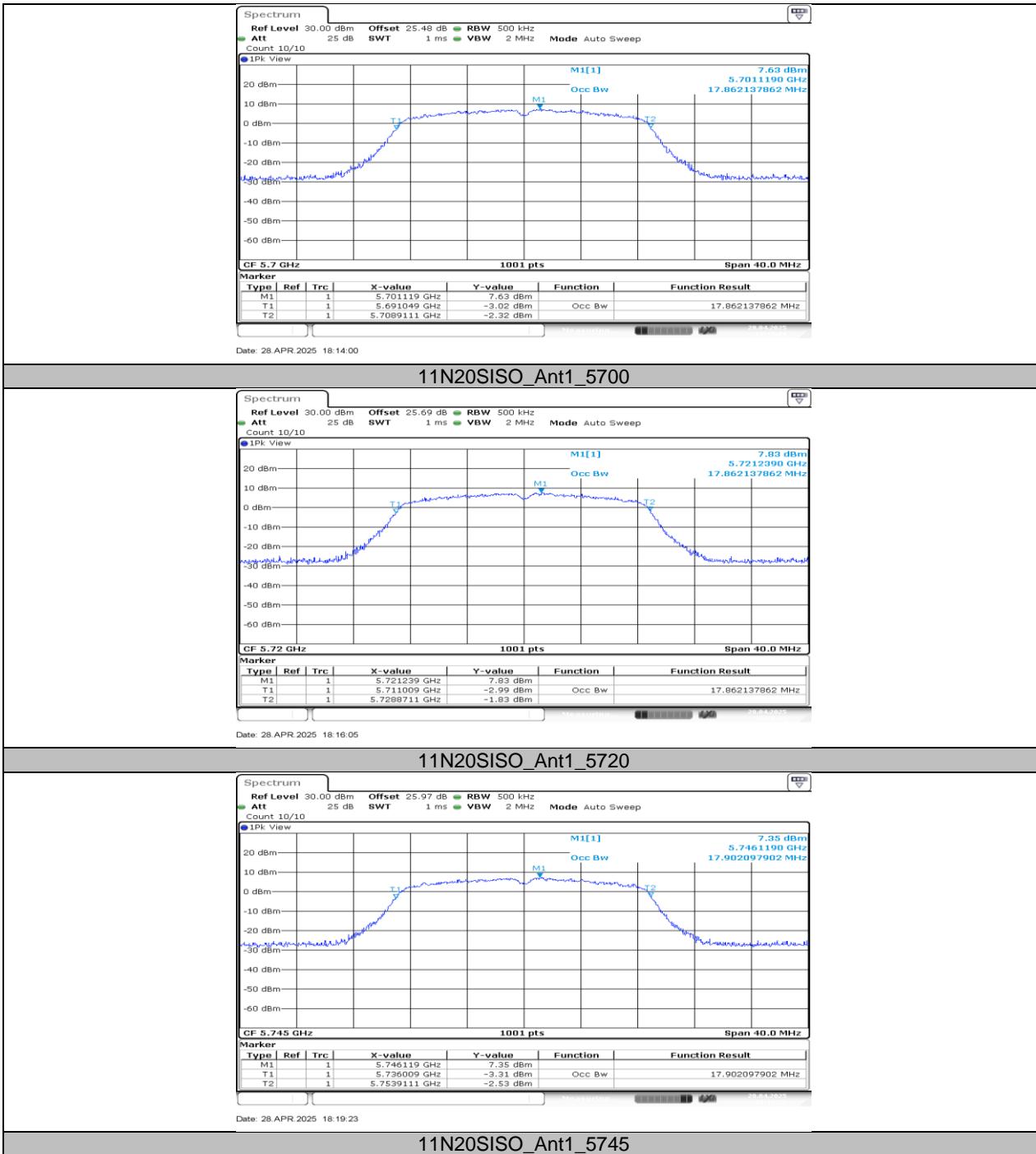


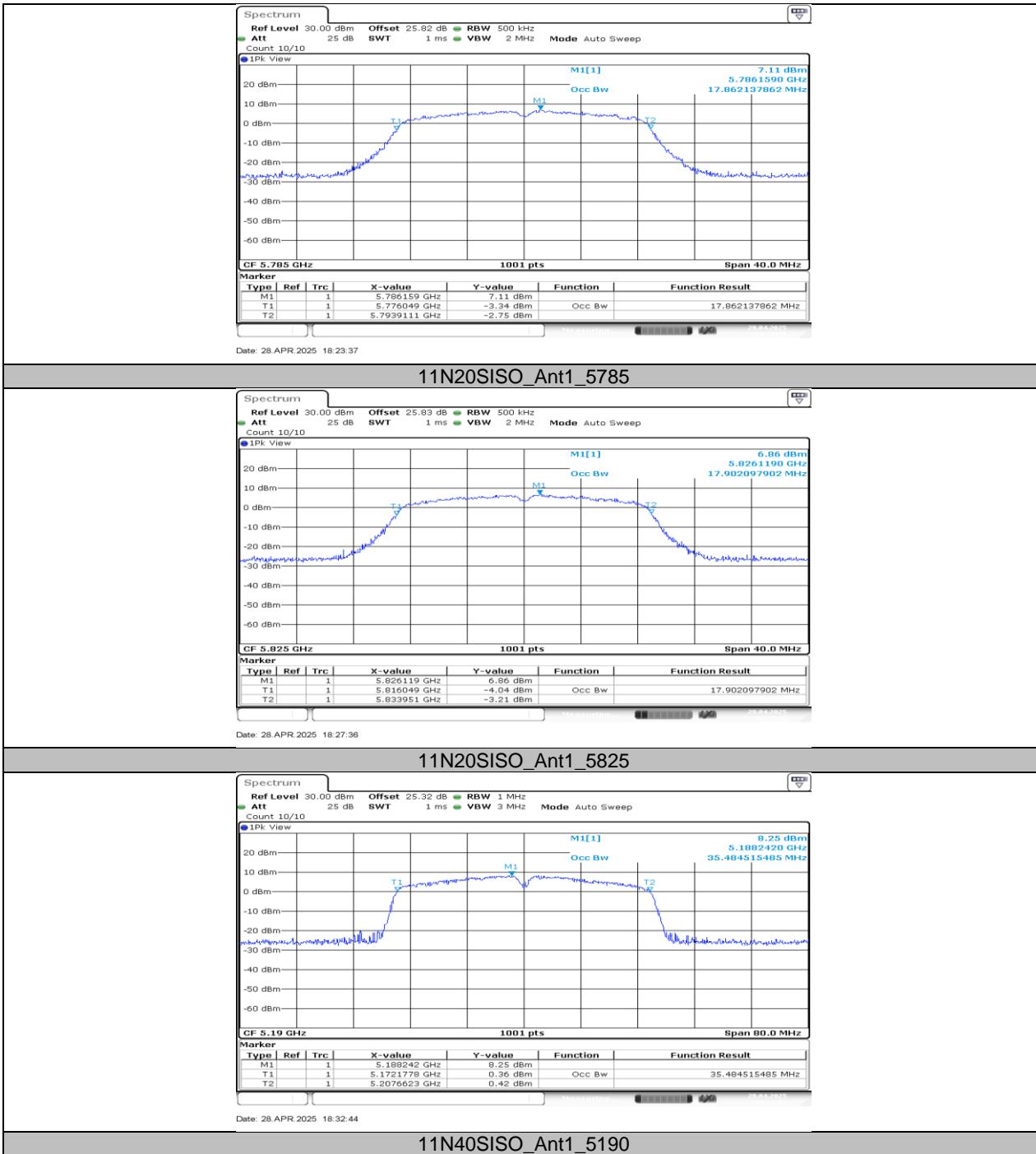


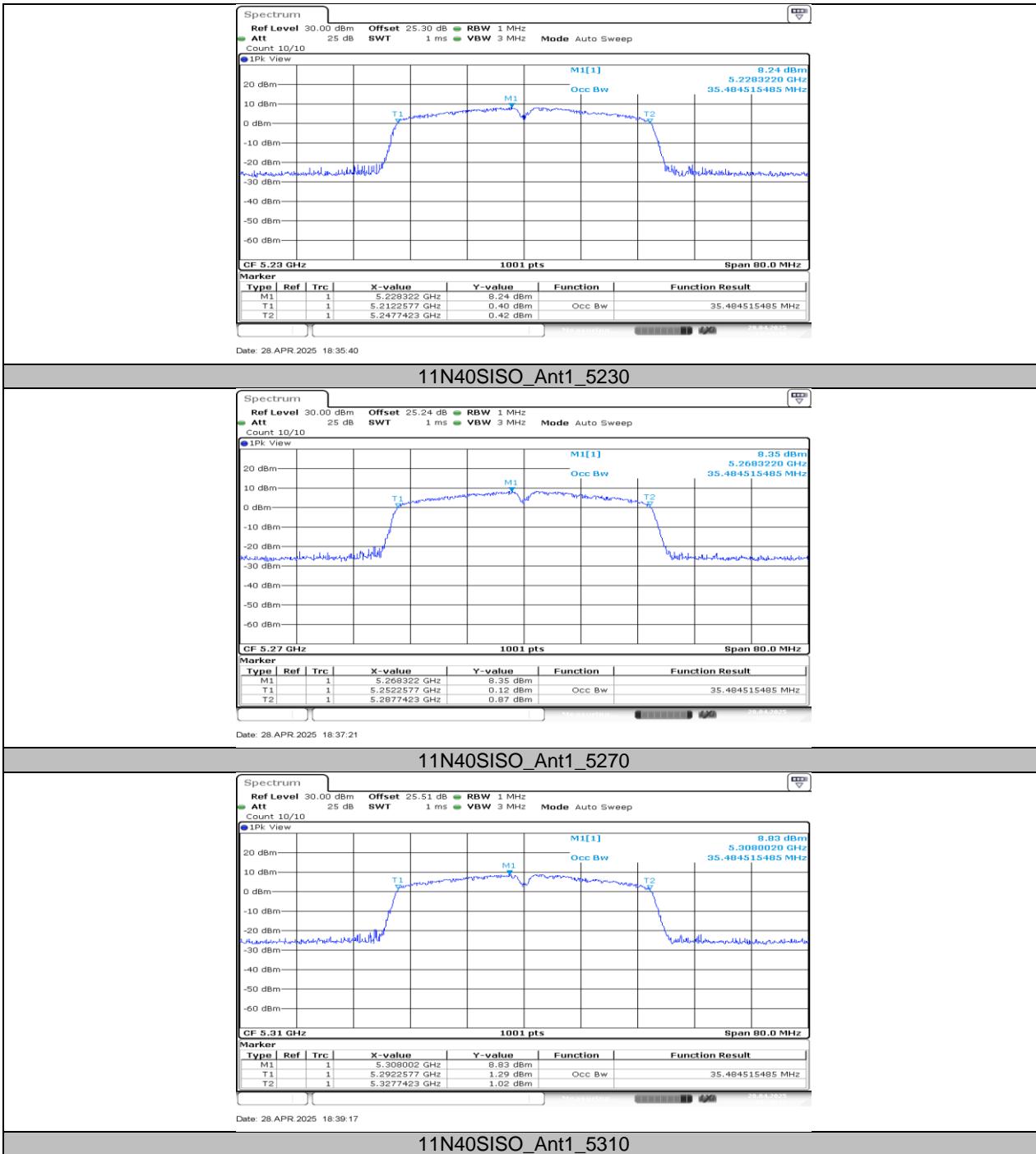


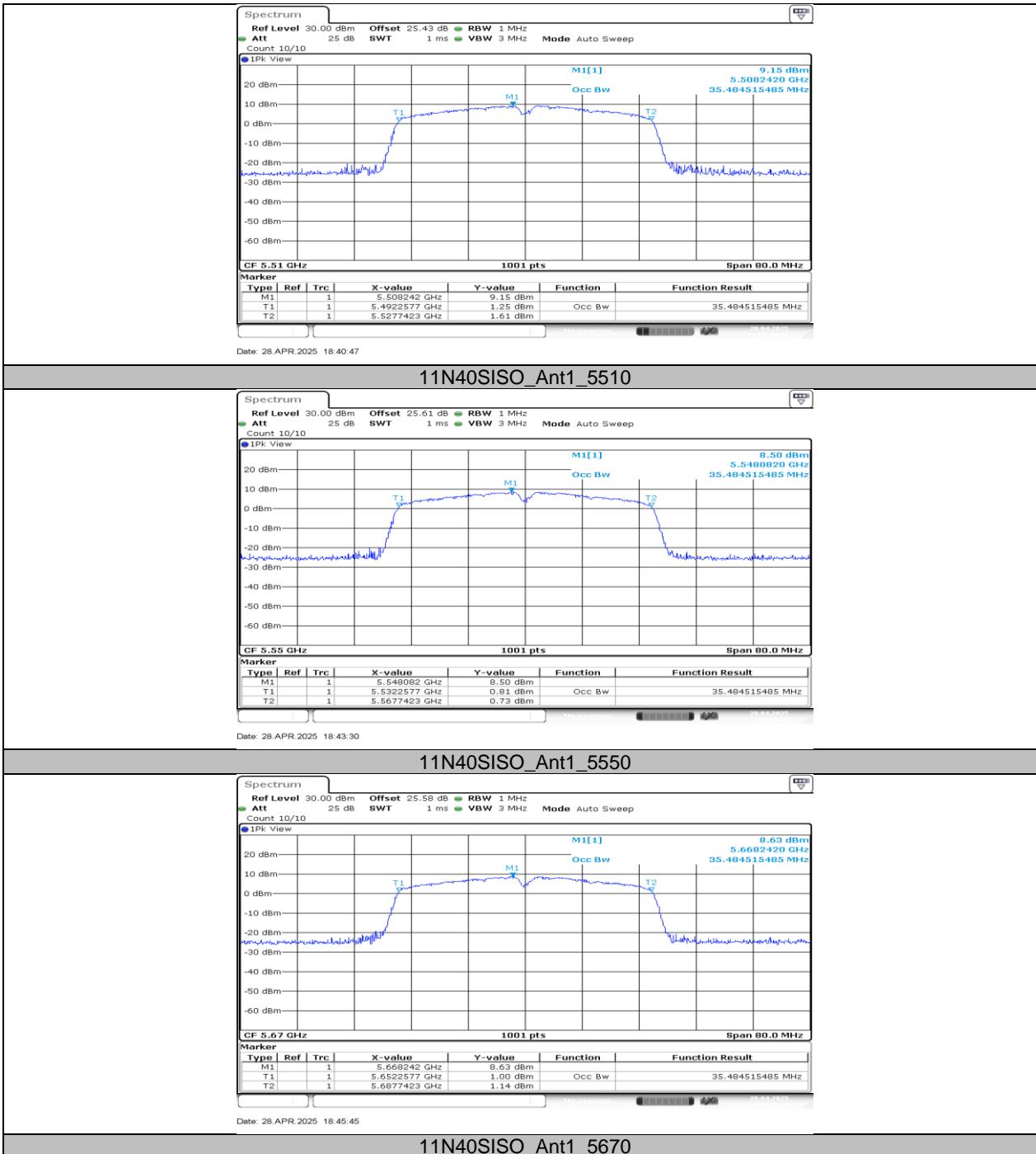


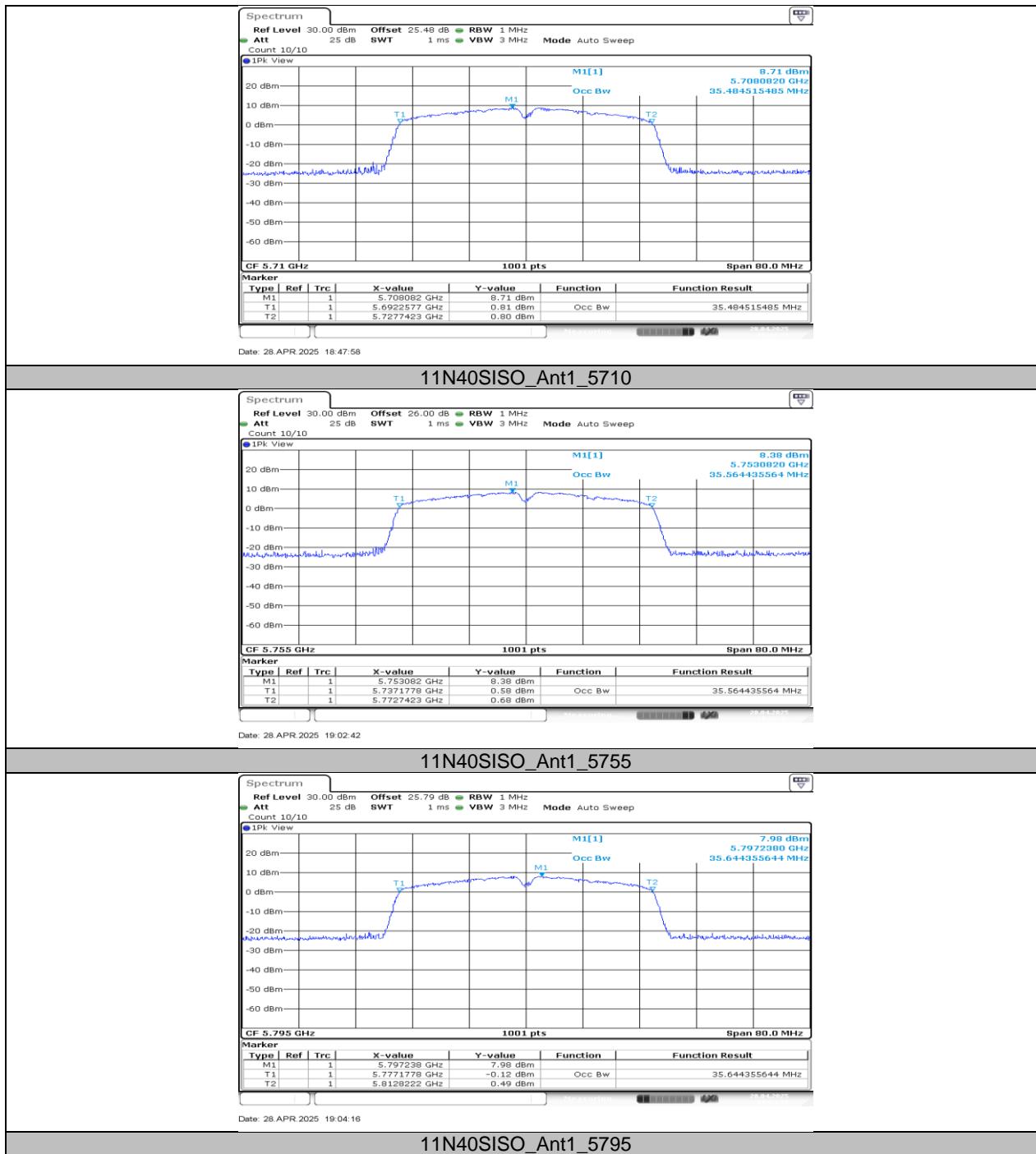










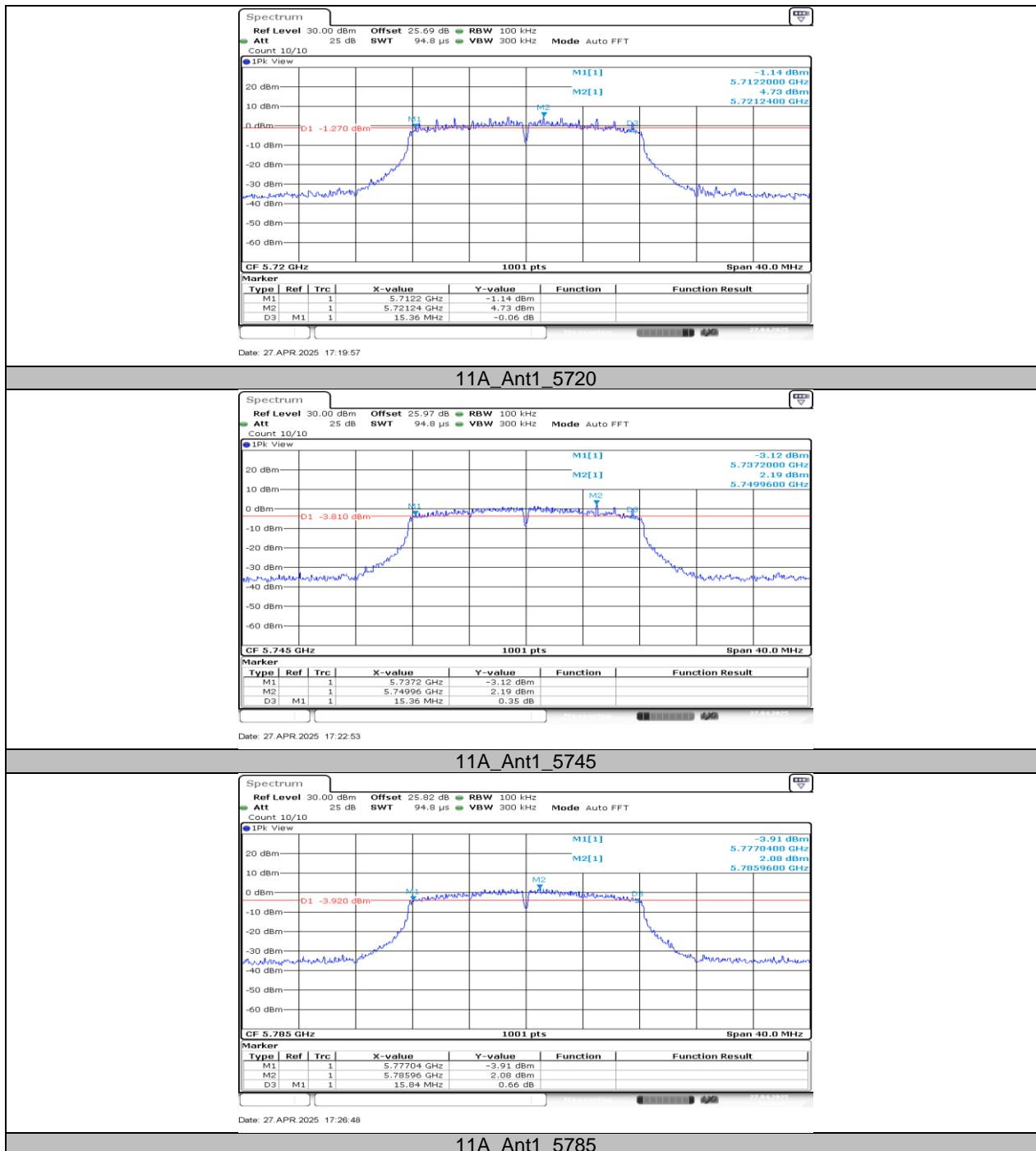


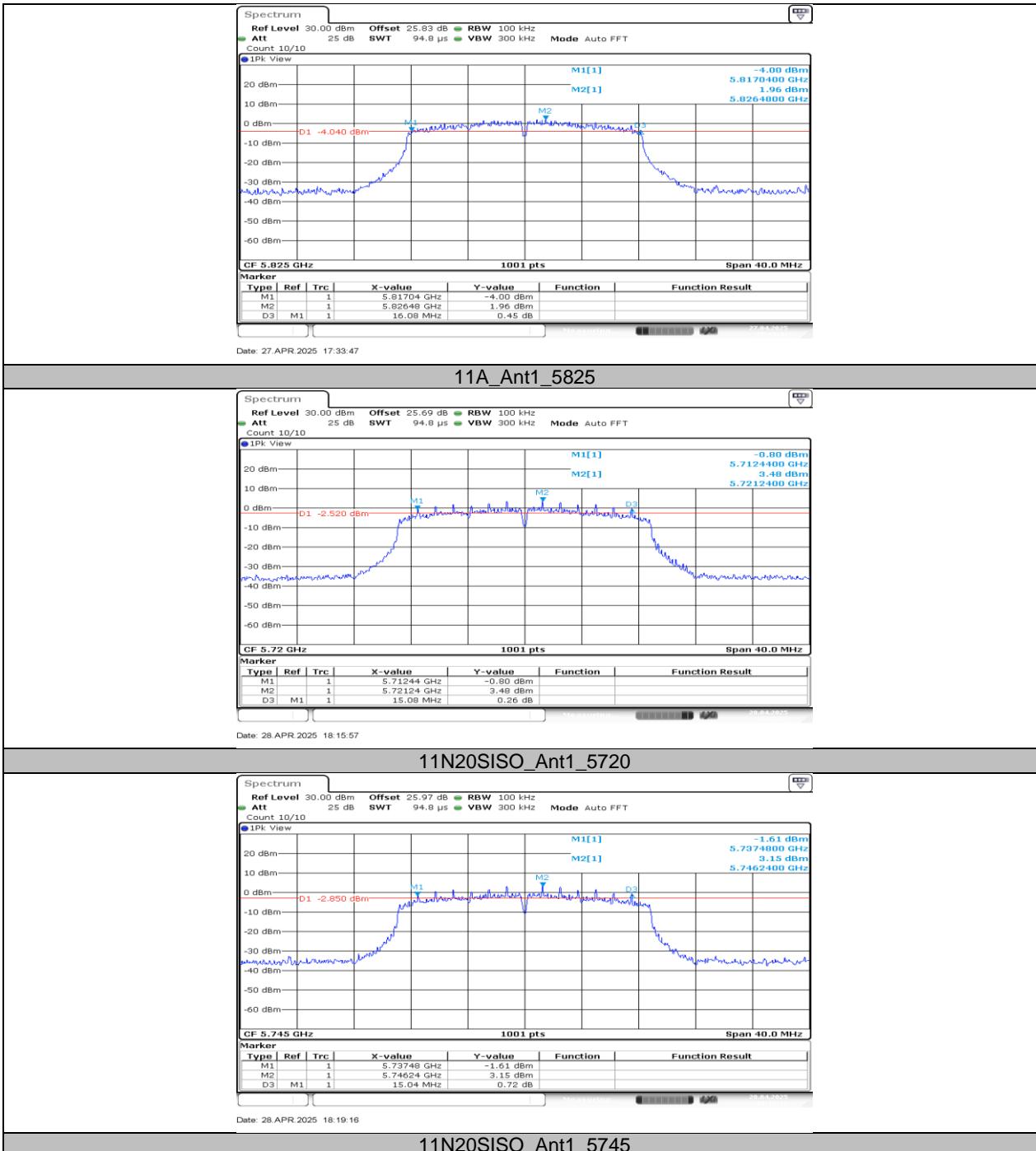
11.3. APPENDIX C: MIN EMISSION BANDWIDTH

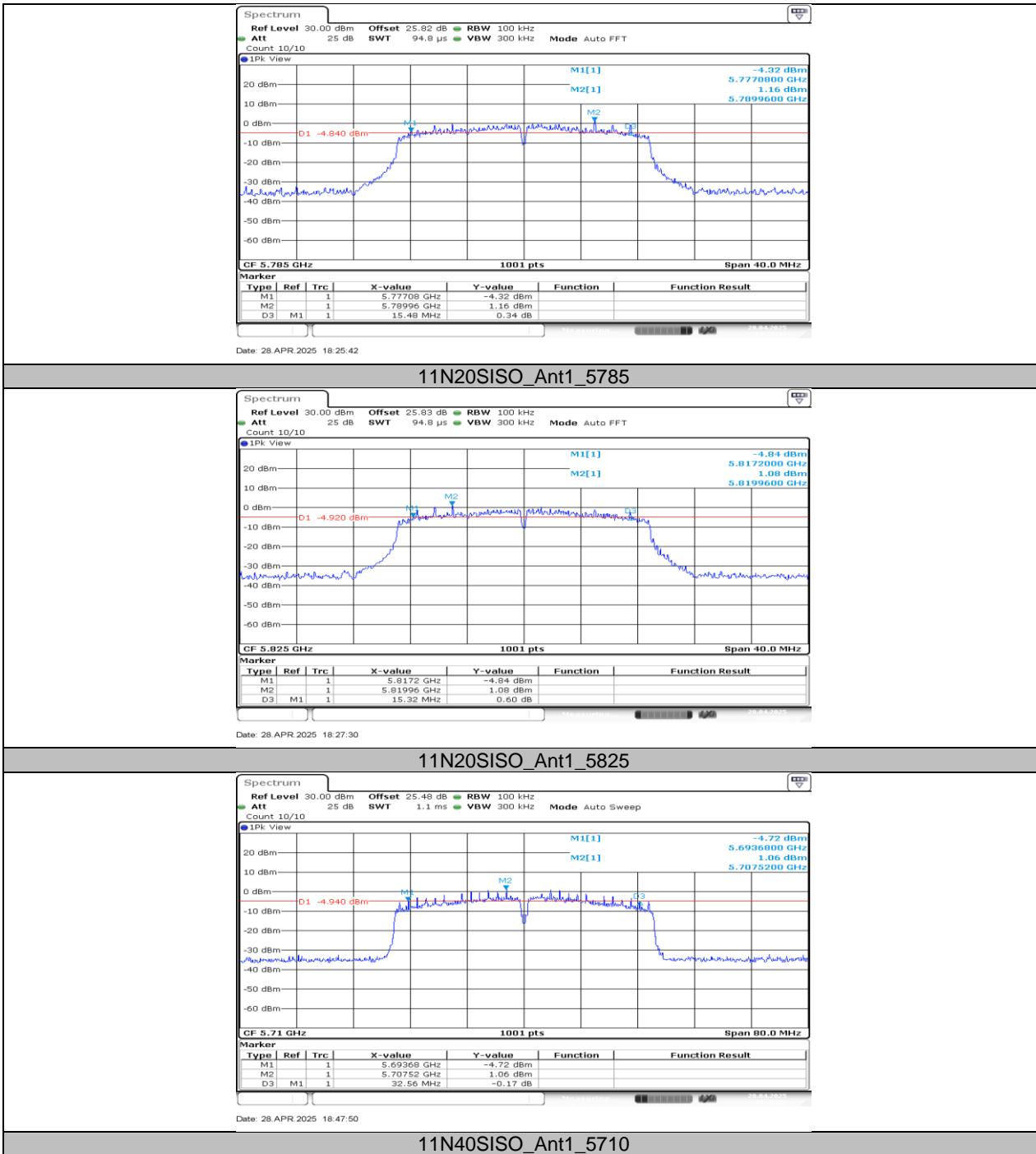
11.3.1. Test Result

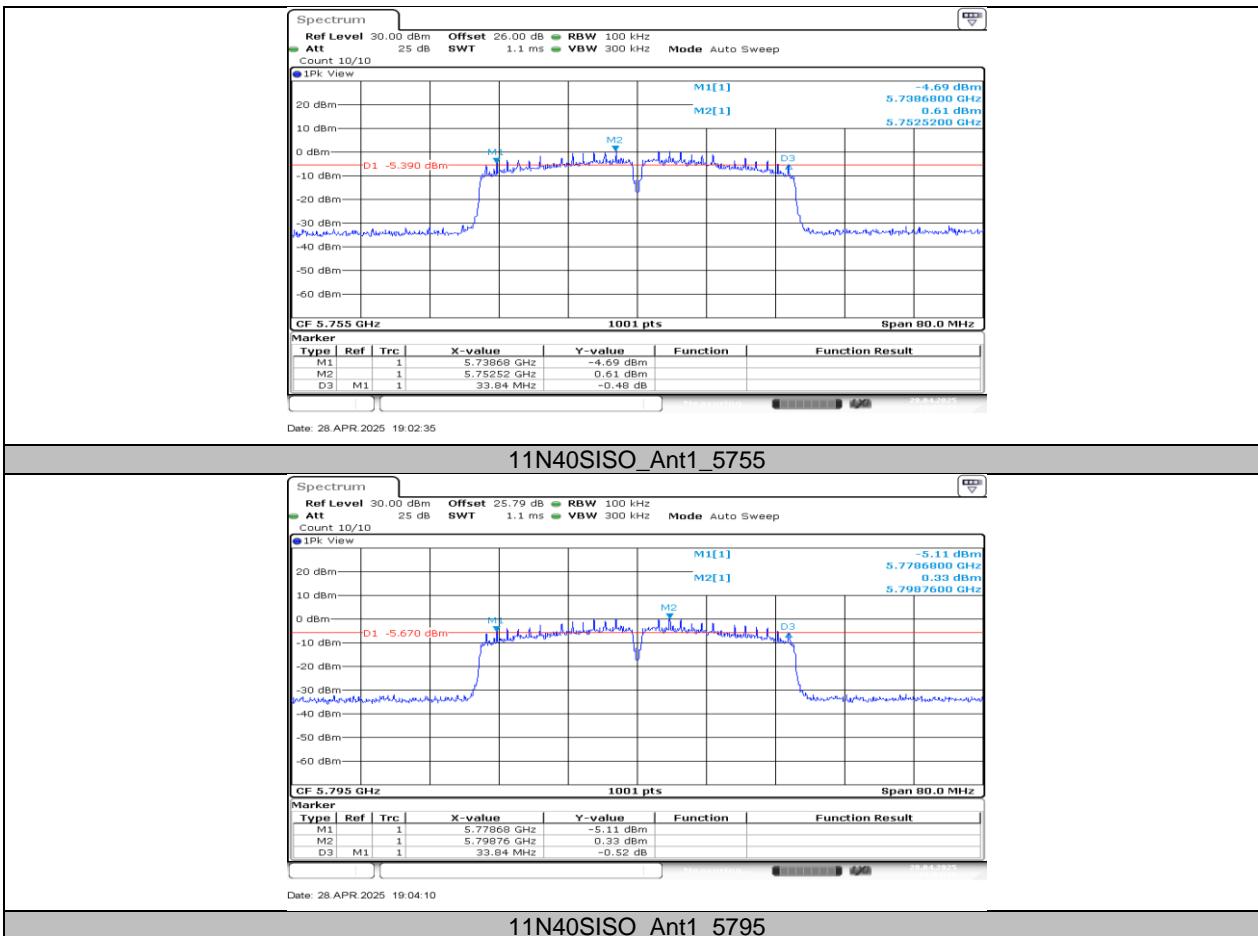
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	15.36	5712.20	5727.56	---	---
		5720_UNII-2C	12.8	5712.20	5725	---	---
		5720_UNII-3	2.56	5725	5727.56	0.5	PASS
		5745	15.36	5737.20	5752.56	0.5	PASS
		5785	15.84	5777.04	5792.88	0.5	PASS
		5825	16.08	5817.04	5833.12	0.5	PASS
11N20SISO	Ant1	5720	15.08	5712.44	5727.52	---	---
		5720_UNII-2C	12.56	5712.44	5725	---	---
		5720_UNII-3	2.52	5725	5727.52	0.5	PASS
		5745	15.04	5737.48	5752.52	0.5	PASS
		5785	15.48	5777.08	5792.56	0.5	PASS
		5825	15.32	5817.20	5832.52	0.5	PASS
11N40SISO	Ant1	5710	32.56	5693.68	5726.24	---	---
		5710_UNII-2C	31.32	5693.68	5725	---	---
		5710_UNII-3	1.24	5725	5726.24	0.5	PASS
		5755	33.84	5738.68	5772.52	0.5	PASS
		5795	33.84	5778.68	5812.52	0.5	PASS

11.3.2. Test Graphs









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	15.32	≤23.98	---	17.89	≤22.31	PASS
		5200	15.23	≤23.98	---	17.80	≤22.26	PASS
		5240	15.17	≤23.98	---	17.74	≤22.26	PASS
		5260	15.25	≤23.82	≤23.25	17.82	≤29.25	PASS
		5280	15.54	≤23.90	≤23.26	18.11	≤29.26	PASS
		5320	15.82	≤23.88	≤23.26	18.39	≤29.26	PASS
		5500	15.44	≤23.77	≤23.25	18.01	≤29.25	PASS
		5580	15.36	≤23.81	≤23.25	17.93	≤29.25	PASS
		5700	15.81	≤23.75	≤23.25	18.38	≤29.25	PASS
		5720_UNII-2C	15.34	≤22.64	≤22.27	17.91	≤28.27	PASS
		5720_UNII-3	5.91	≤30.00	≤30.00	8.48	---	PASS
		5745	15.73	≤30.00	≤30.00	18.30	---	PASS
		5785	15.15	≤30.00	≤30.00	17.72	---	PASS
		5825	15.25	≤30.00	≤30.00	17.82	---	PASS
11N20SISO	Ant1	5180	13.31	≤23.98	---	15.88	≤22.51	PASS
		5200	13.22	≤23.98	---	15.79	≤22.51	PASS
		5240	13.14	≤23.98	---	15.71	≤22.51	PASS
		5260	13.20	≤23.98	≤23.51	15.77	≤29.51	PASS
		5280	13.47	≤23.98	≤23.51	16.04	≤29.51	PASS
		5320	13.80	≤23.98	≤23.52	16.37	≤29.52	PASS
		5500	14.17	≤23.98	≤23.51	16.74	≤29.51	PASS
		5580	14.19	≤23.98	≤23.52	16.76	≤29.52	PASS
		5700	13.64	≤23.98	≤23.52	16.21	≤29.52	PASS
		5720_UNII-2C	13.12	≤22.74	≤22.46	15.69	≤28.46	PASS
		5720_UNII-3	4.06	≤30.00	≤30.00	6.63	---	PASS
		5745	13.48	≤30.00	≤30.00	16.05	---	PASS
		5785	13.05	≤30.00	≤30.00	15.62	---	PASS
		5825	12.94	≤30.00	≤30.00	15.51	---	PASS
11N40SISO	Ant1	5190	13.16	≤23.98	---	15.73	≤23.00	PASS
		5230	13.11	≤23.98	---	15.68	≤23.00	PASS
		5270	13.20	≤23.98	≤23.98	15.77	≤30.00	PASS
		5310	13.66	≤23.98	≤23.98	16.23	≤30.00	PASS
		5510	13.27	≤23.98	≤23.98	15.84	≤30.00	PASS
		5550	13.61	≤23.98	≤23.98	16.18	≤30.00	PASS
		5670	13.63	≤23.98	≤23.98	16.20	≤30.00	PASS
		5710_UNII-2C	13.50	≤23.98	≤23.98	16.07	≤30.00	PASS
		5710_UNII-3	-2.81	≤30.00	≤30.00	-0.24	---	PASS
		5755	13.42	≤30.00	≤30.00	15.99	---	PASS
		5795	13.01	≤30.00	≤30.00	15.58	---	PASS

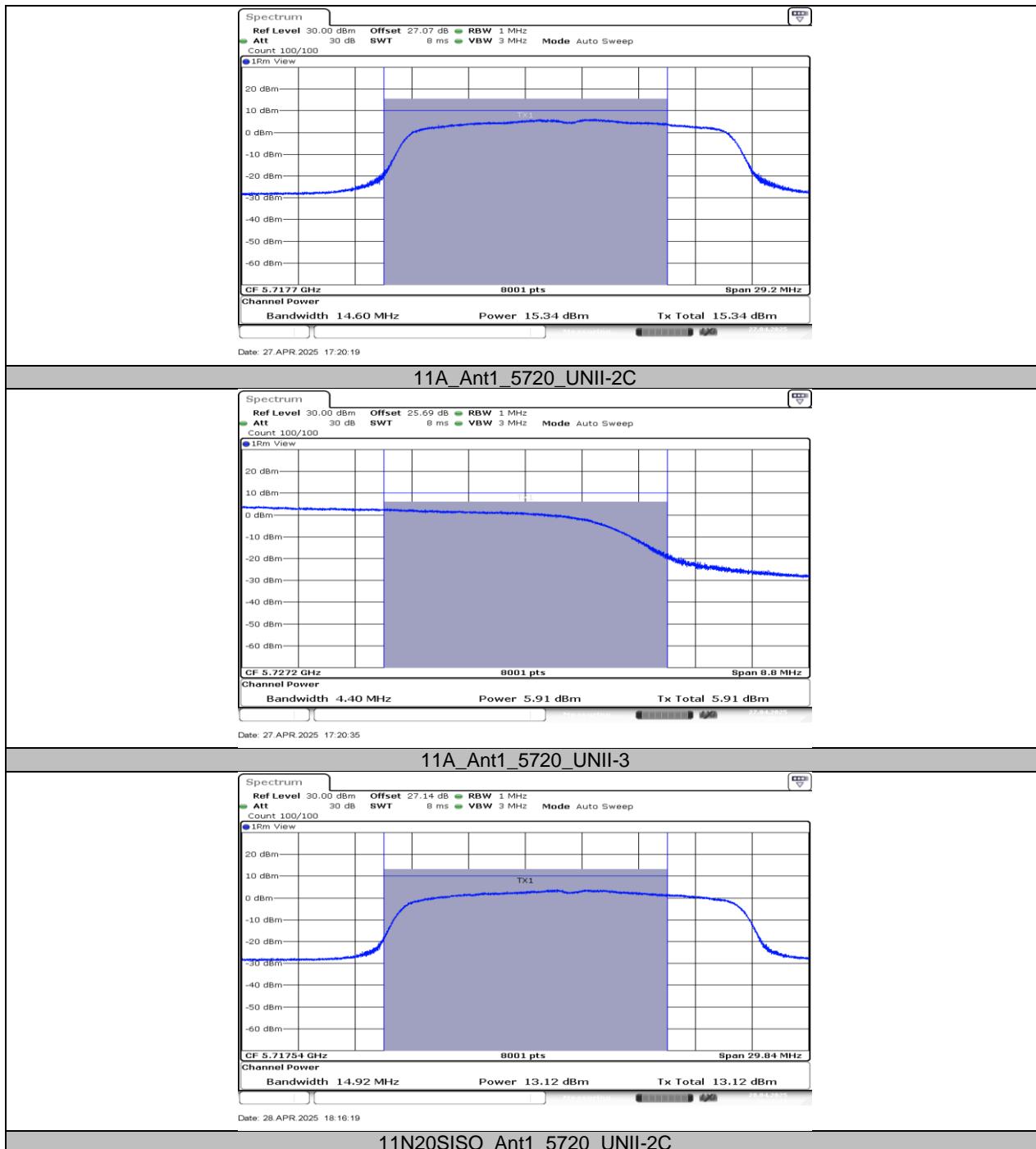
Test Mode	Antenna	Frequency[MHz]	Power [dBm]	FCC Limit [dBm]	ISED Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	15.21	≤23.98	---	17.78	≤22.25	PASS
		5200	15.10	≤23.98	---	17.67	≤22.25	PASS
		5240	14.88	≤23.98	---	17.45	≤22.25	PASS
		5260	14.80	≤23.85	≤23.25	17.37	≤29.25	PASS
		5280	14.98	≤23.88	≤23.25	17.55	≤29.25	PASS
		5320	15.32	≤23.83	≤23.26	17.89	≤29.26	PASS
		5500	14.89	≤23.83	≤23.25	17.46	≤29.25	PASS
		5580	14.80	≤23.87	≤23.25	17.37	≤29.25	PASS
		5700	15.49	≤23.83	≤23.25	18.06	≤29.25	PASS
		5720_UNII-2C	15.09	≤22.58	≤22.27	17.66	≤28.27	PASS
		5720_UNII-3	5.73	≤30.00	≤30.00	8.30	---	PASS

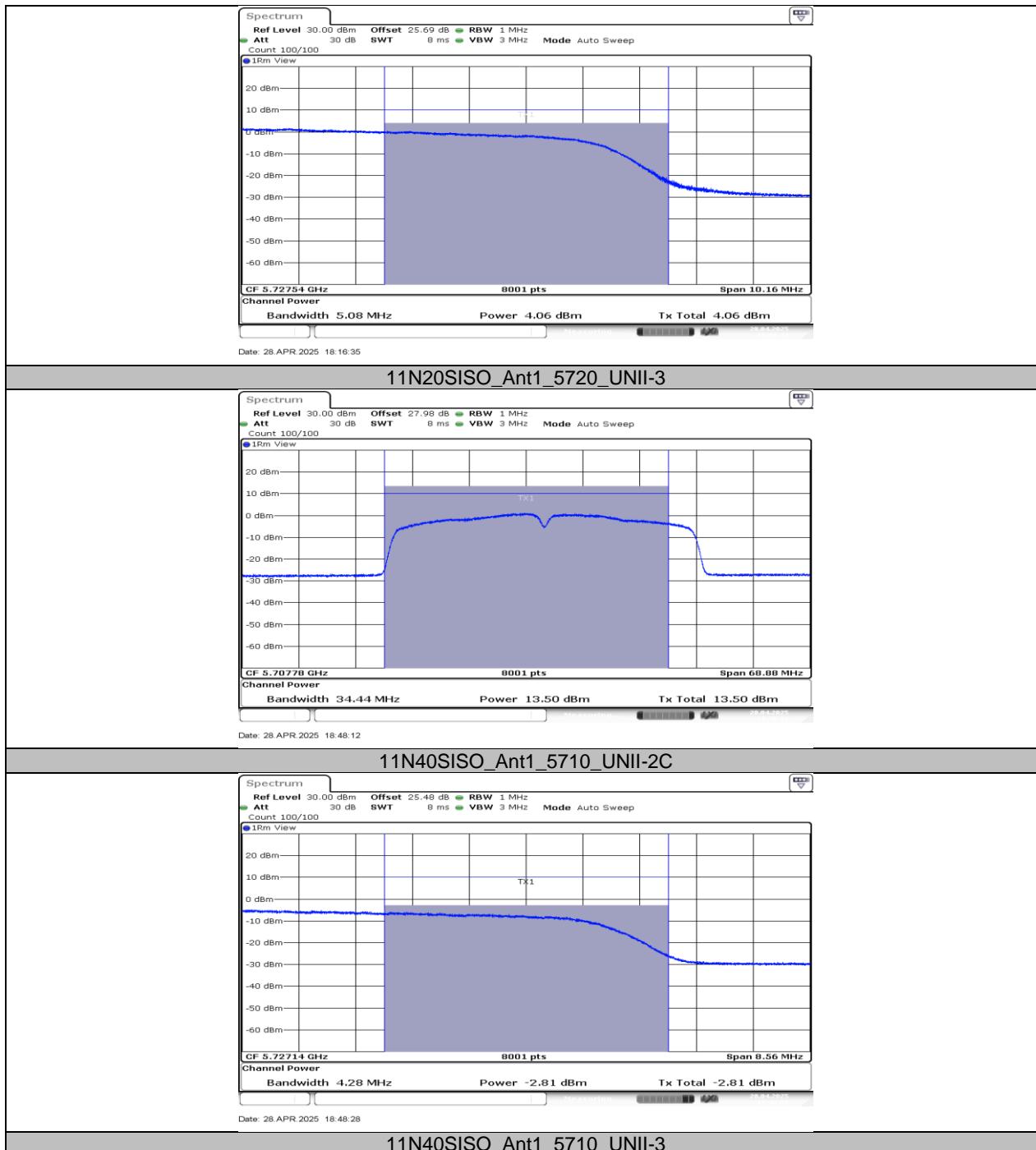
		5745	15.48	≤30.00	≤30.00	18.05	---	PASS
		5785	14.82	≤30.00	≤30.00	17.39	---	PASS
		5825	14.62	≤30.00	≤30.00	17.19	---	PASS
11N20SISO	Ant2	5180	13.29	≤23.98	---	15.86	≤22.51	PASS
		5200	13.19	≤23.98	---	15.76	≤22.51	PASS
		5240	12.89	≤23.98	---	15.46	≤22.53	PASS
		5260	12.82	≤23.98	≤23.52	15.39	≤29.52	PASS
		5280	13.05	≤23.98	≤23.51	15.62	≤29.51	PASS
		5320	13.30	≤23.98	≤23.51	15.87	≤29.51	PASS
		5500	13.78	≤23.89	≤23.51	16.35	≤29.51	PASS
		5580	13.76	≤23.98	≤23.52	16.33	≤29.52	PASS
		5700	13.42	≤23.98	≤23.51	15.99	≤29.51	PASS
		5720_UNII-2C	12.93	≤22.89	≤22.45	15.50	≤28.45	PASS
		5720_UNII-3	3.91	≤30.00	≤30.00	6.48	---	PASS
		5745	13.34	≤30.00	≤30.00	15.91	---	PASS
		5785	12.80	≤30.00	≤30.00	15.37	---	PASS
		5825	12.52	≤30.00	≤30.00	15.09	---	PASS
11N40SISO	Ant2	5190	13.07	≤23.98	---	15.64	≤23.00	PASS
		5230	12.96	≤23.98	---	15.53	≤23.00	PASS
		5270	12.80	≤23.98	≤23.98	15.37	≤30.00	PASS
		5310	13.15	≤23.98	≤23.98	15.72	≤30.00	PASS
		5510	12.83	≤23.98	≤23.98	15.40	≤30.00	PASS
		5550	12.99	≤23.98	≤23.98	15.56	≤30.00	PASS
		5670	13.27	≤23.98	≤23.98	15.84	≤30.00	PASS
		5710_UNII-2C	13.14	≤23.98	≤23.98	15.71	≤30.00	PASS
		5710_UNII-3	-2.96	≤30.00	≤30.00	-0.39	---	PASS
		5755	13.30	≤30.00	≤30.00	15.87	---	PASS
		5795	12.60	≤30.00	≤30.00	15.17	---	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





11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

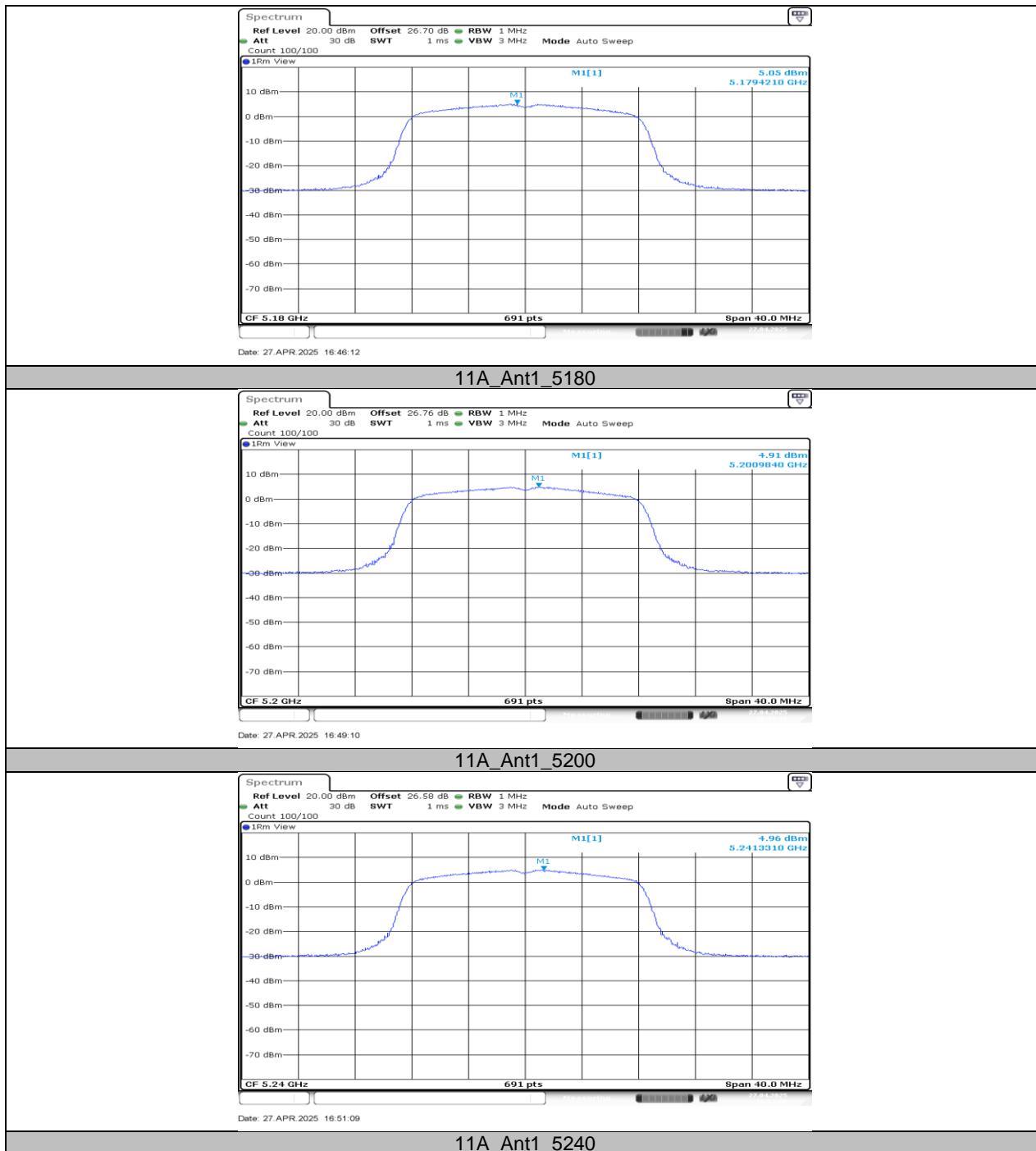
11.5.1. Test Result

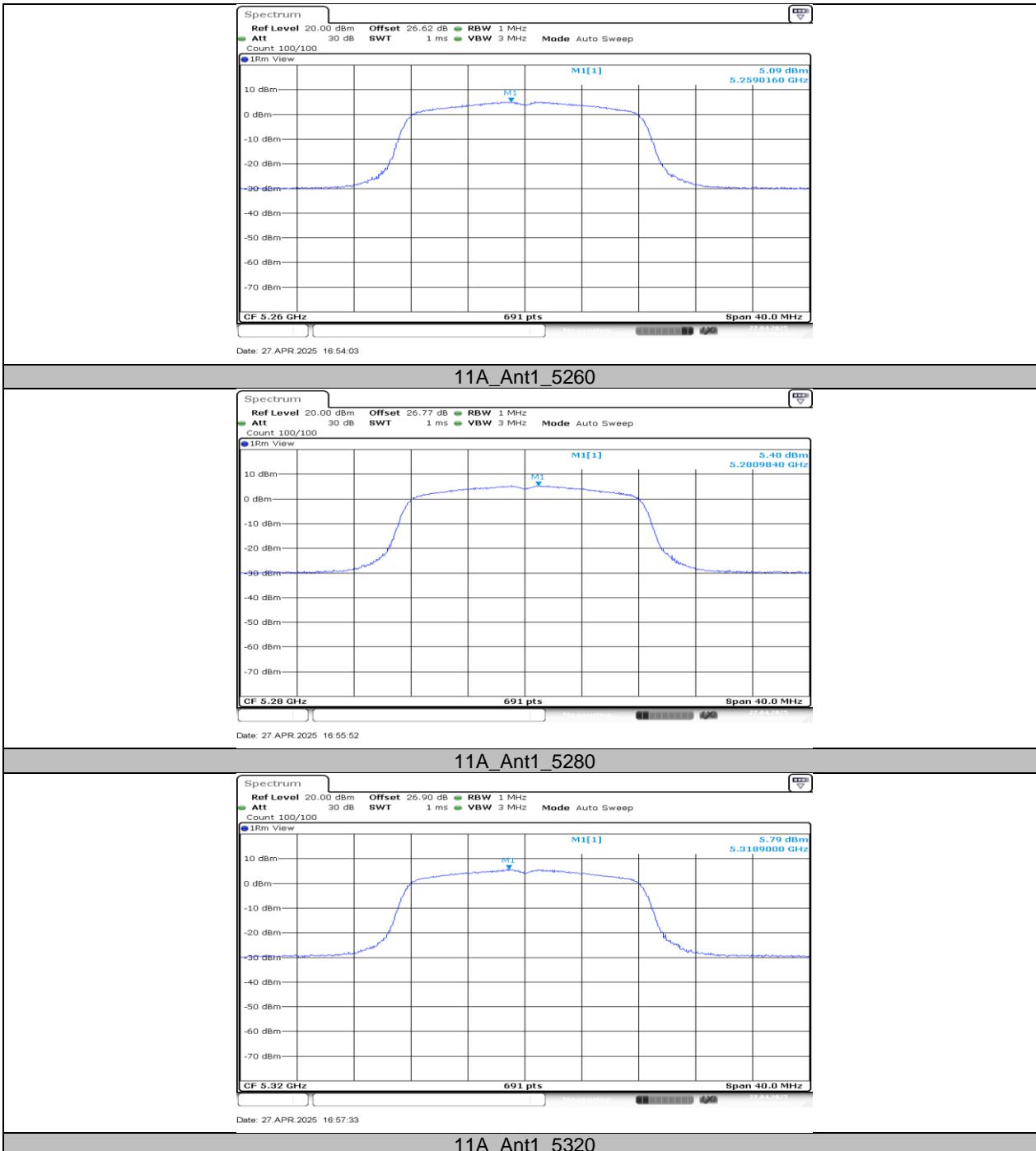
Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.05	≤11.00	7.62	≤10.00	PASS
		5200	4.91	≤11.00	7.48	≤10.00	PASS
		5240	4.96	≤11.00	7.53	≤10.00	PASS
		5260	5.09	≤11.00	7.66	---	PASS
		5280	5.40	≤11.00	7.97	---	PASS
		5320	5.79	≤11.00	8.36	---	PASS
		5500	5.33	≤11.00	7.90	---	PASS
		5580	5.16	≤11.00	7.73	---	PASS
		5700	5.88	≤11.00	8.45	---	PASS
		5720_UNII-2C	6.12	≤11.00	8.69	---	PASS
		5720_UNII-3	0.65	≤30.00	3.22	---	PASS
		5745	2.81	≤30.00	5.38	---	PASS
		5785	2.05	≤30.00	4.62	---	PASS
		5825	2.32	≤30.00	4.89	---	PASS
11N20SISO	Ant1	5180	3.17	≤11.00	5.74	≤10.00	PASS
		5200	3.22	≤11.00	5.79	≤10.00	PASS
		5240	2.76	≤11.00	5.33	≤10.00	PASS
		5260	2.92	≤11.00	5.49	---	PASS
		5280	3.24	≤11.00	5.81	---	PASS
		5320	3.58	≤11.00	6.15	---	PASS
		5500	3.99	≤11.00	6.56	---	PASS
		5580	3.81	≤11.00	6.38	---	PASS
		5700	3.23	≤11.00	5.80	---	PASS
		5720_UNII-2C	3.45	≤11.00	6.02	---	PASS
		5720_UNII-3	-1.47	≤30.00	1.10	---	PASS
		5745	0.47	≤30.00	3.04	---	PASS
		5785	0.00	≤30.00	2.57	---	PASS
		5825	-0.10	≤30.00	2.47	---	PASS
11N40SISO	Ant1	5190	0.15	≤11.00	2.72	≤10.00	PASS
		5230	0.08	≤11.00	2.65	≤10.00	PASS
		5270	0.32	≤11.00	2.89	---	PASS
		5310	1.06	≤11.00	3.63	---	PASS
		5510	0.05	≤11.00	2.62	---	PASS
		5550	0.54	≤11.00	3.11	---	PASS
		5670	0.61	≤11.00	3.18	---	PASS
		5710_UNII-2C	0.65	≤11.00	3.22	---	PASS
		5710_UNII-3	-6.85	≤30.00	-4.28	---	PASS
		5755	-2.60	≤30.00	-0.03	---	PASS
		5795	-3.05	≤30.00	-0.48	---	PASS

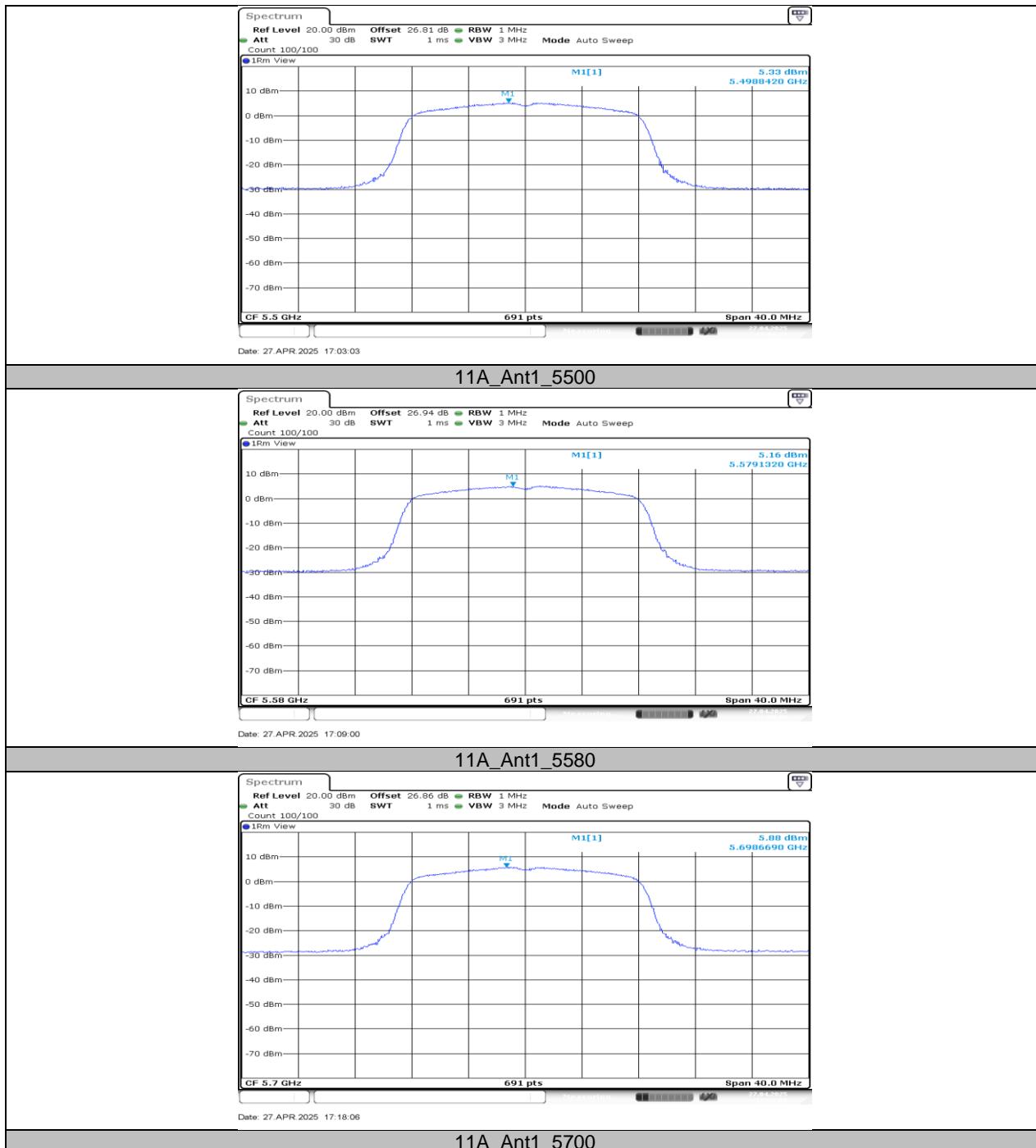
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

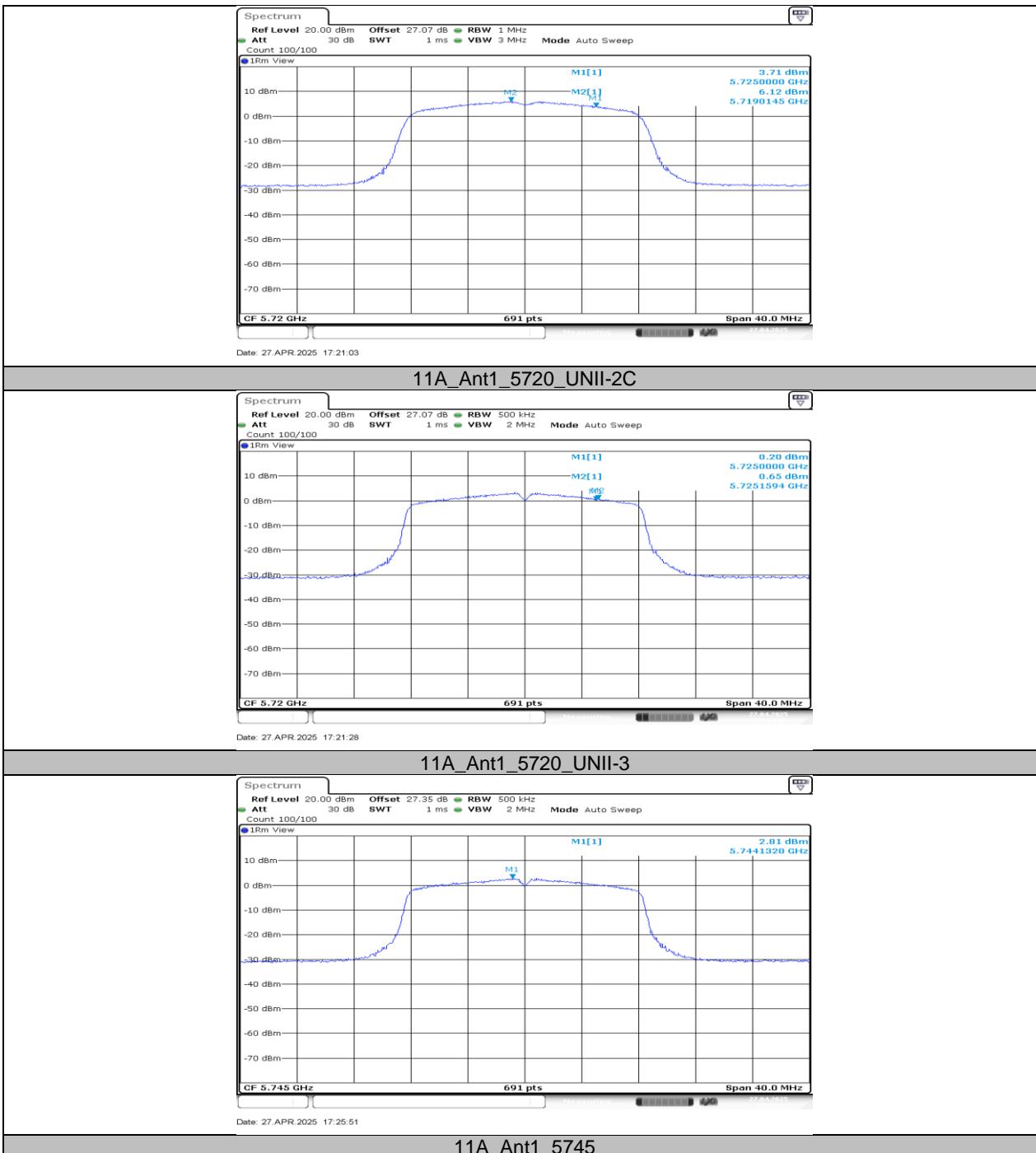
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

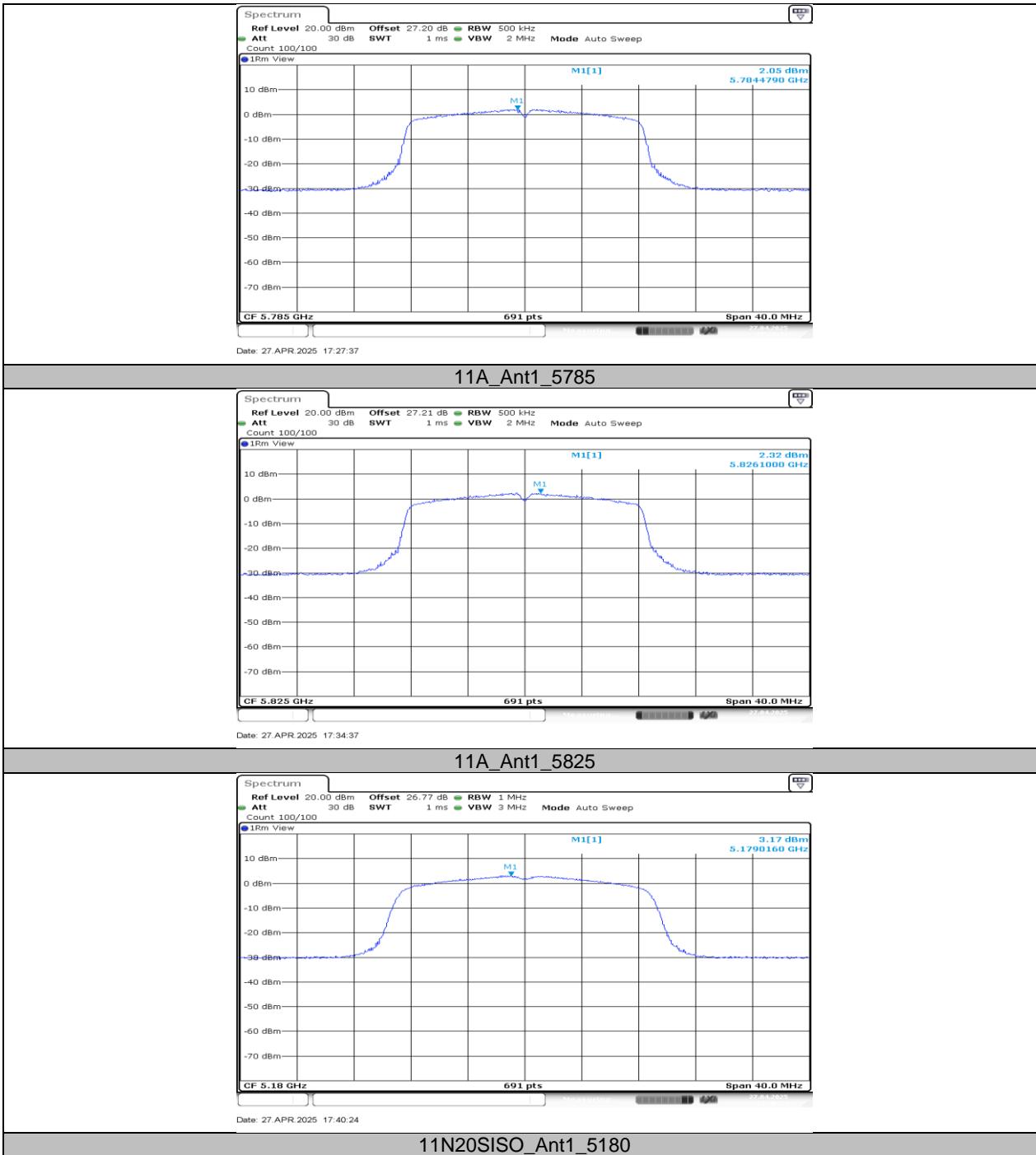
11.5.2. Test Graphs

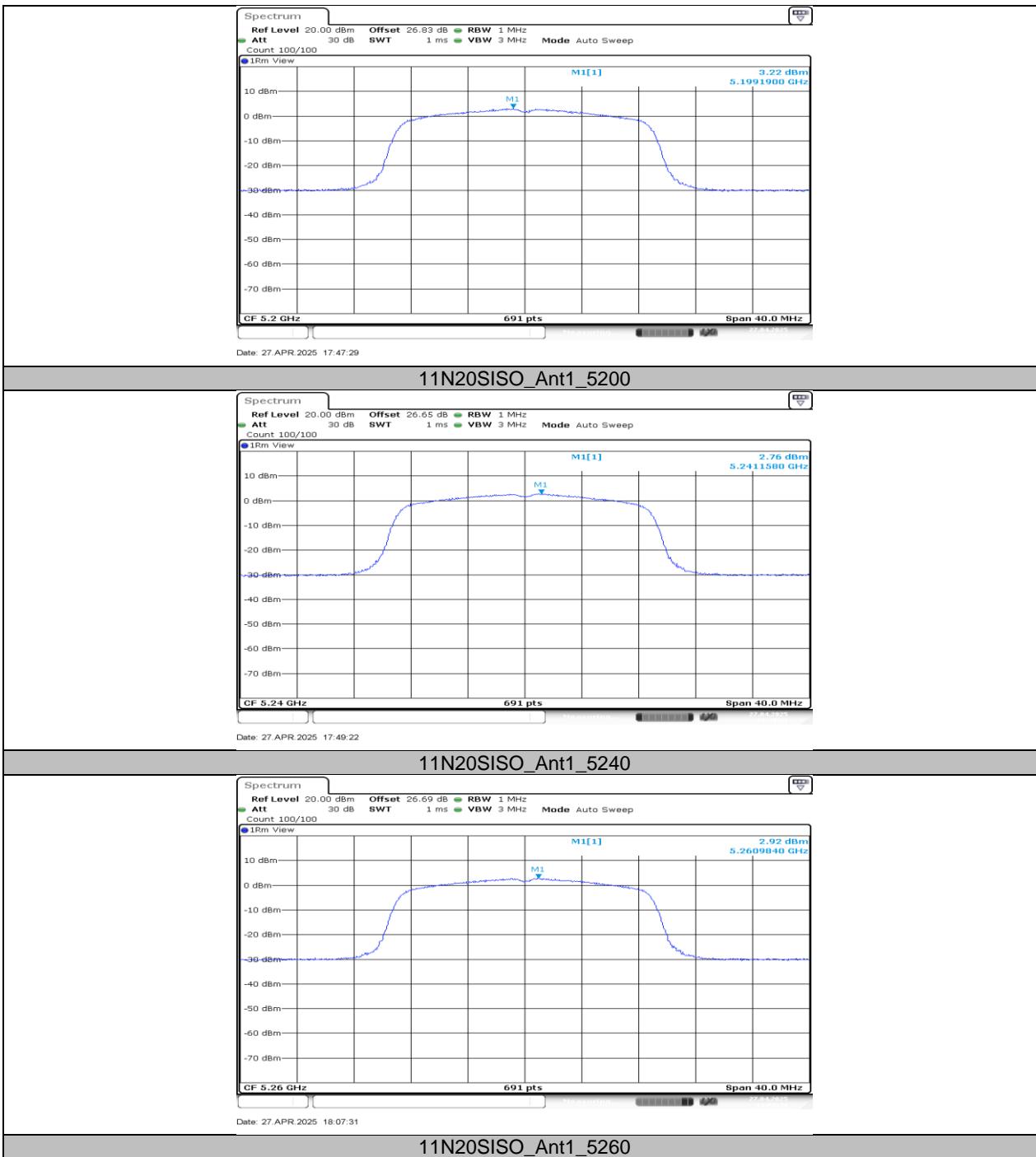


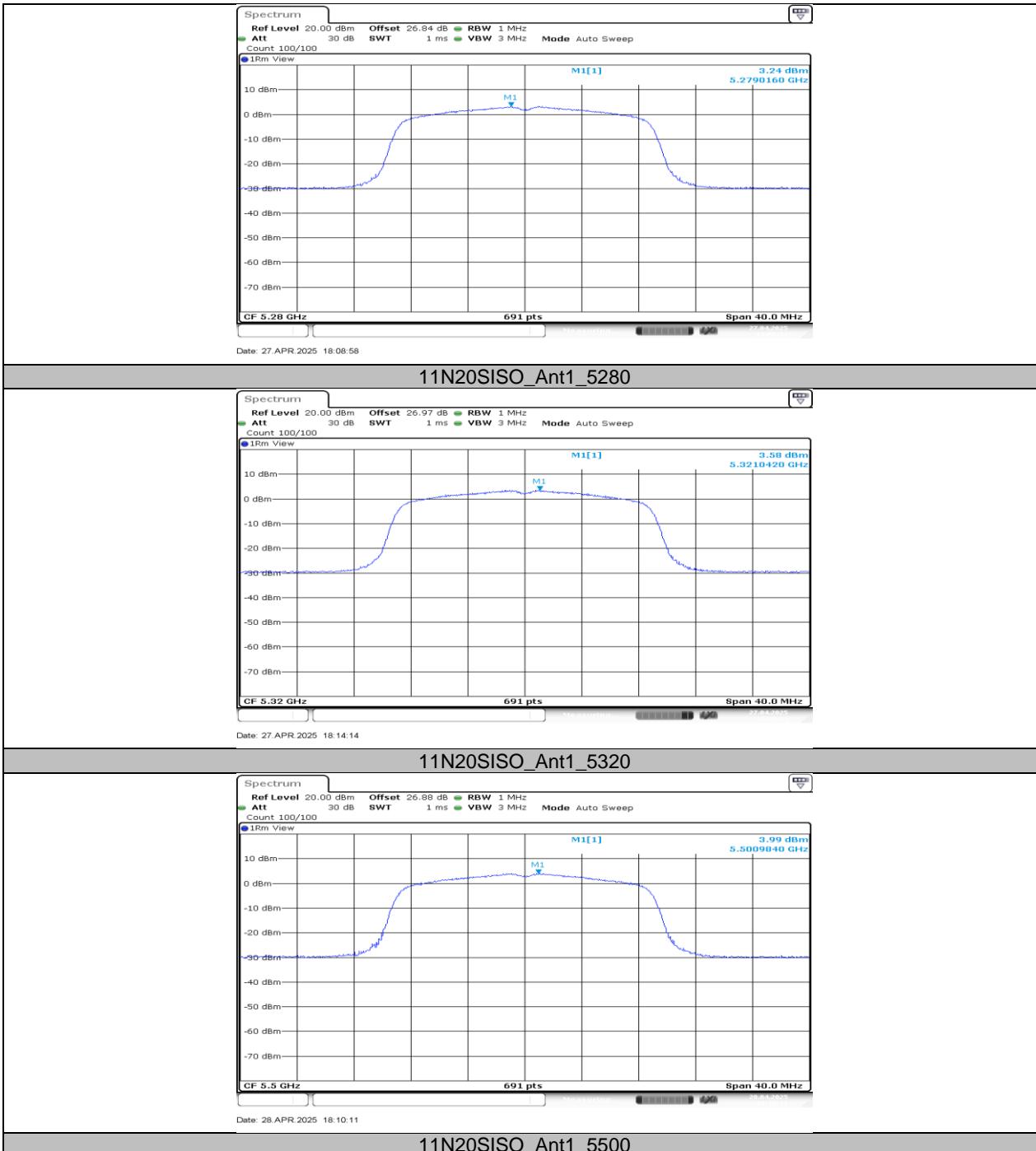


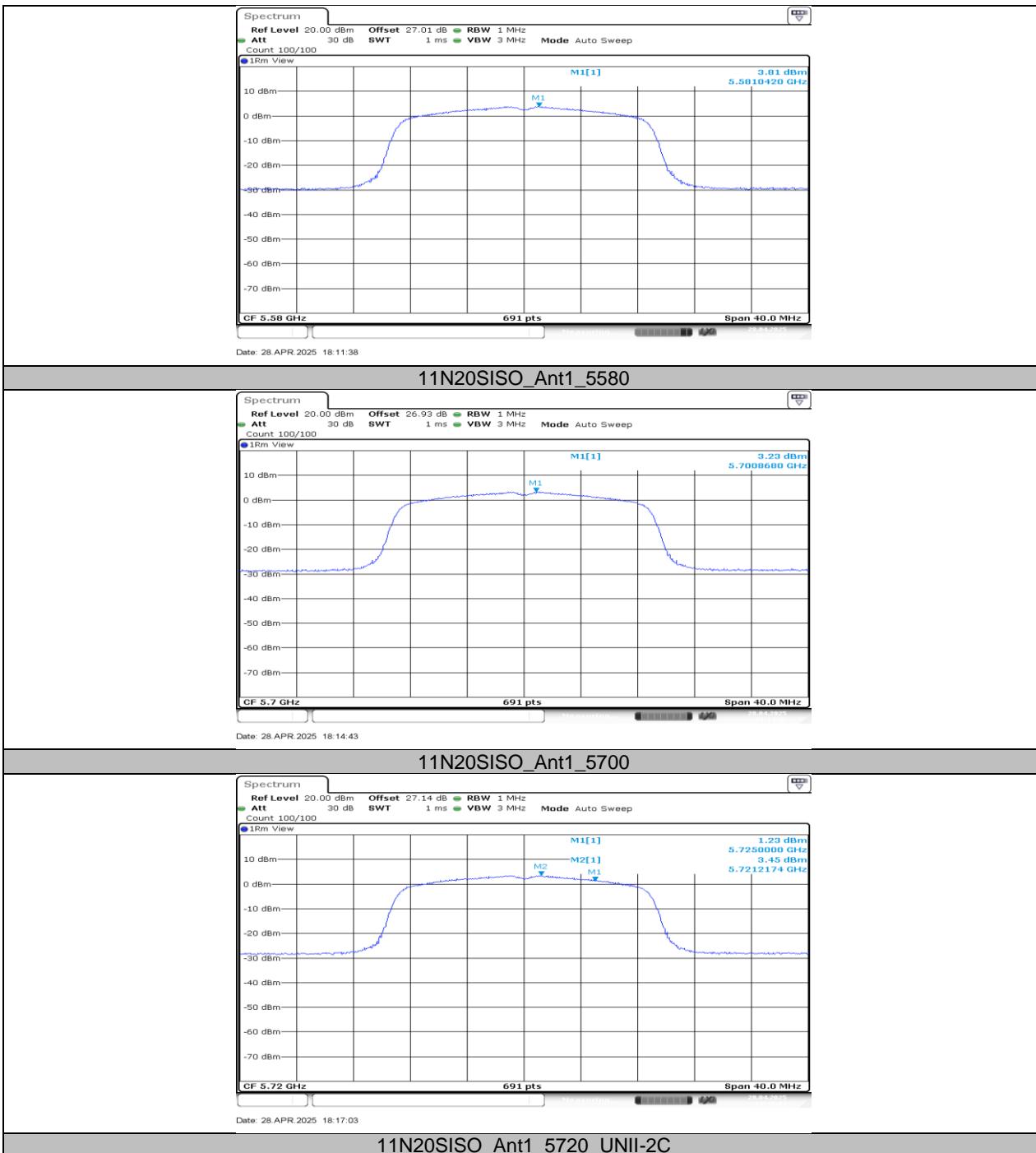


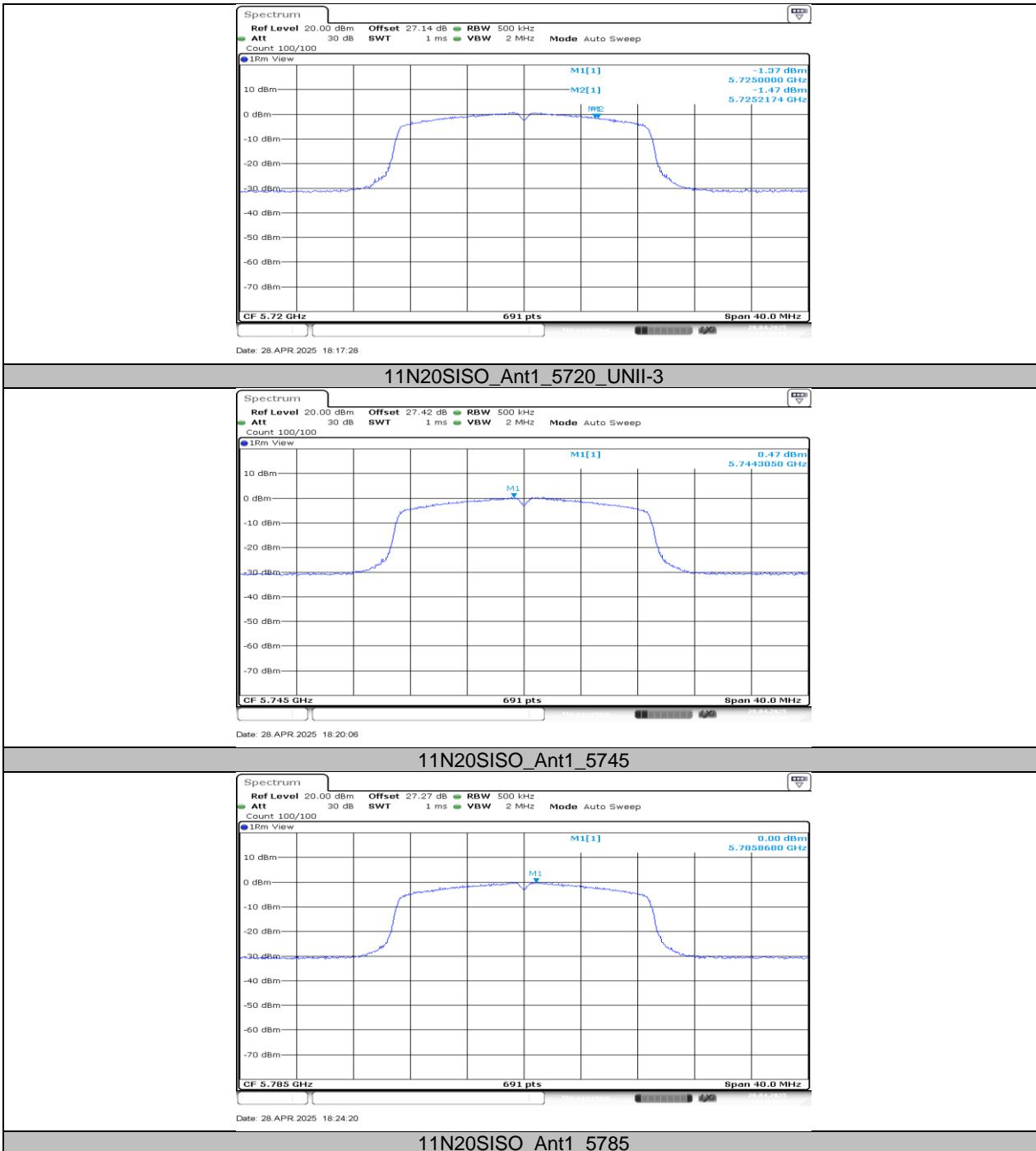


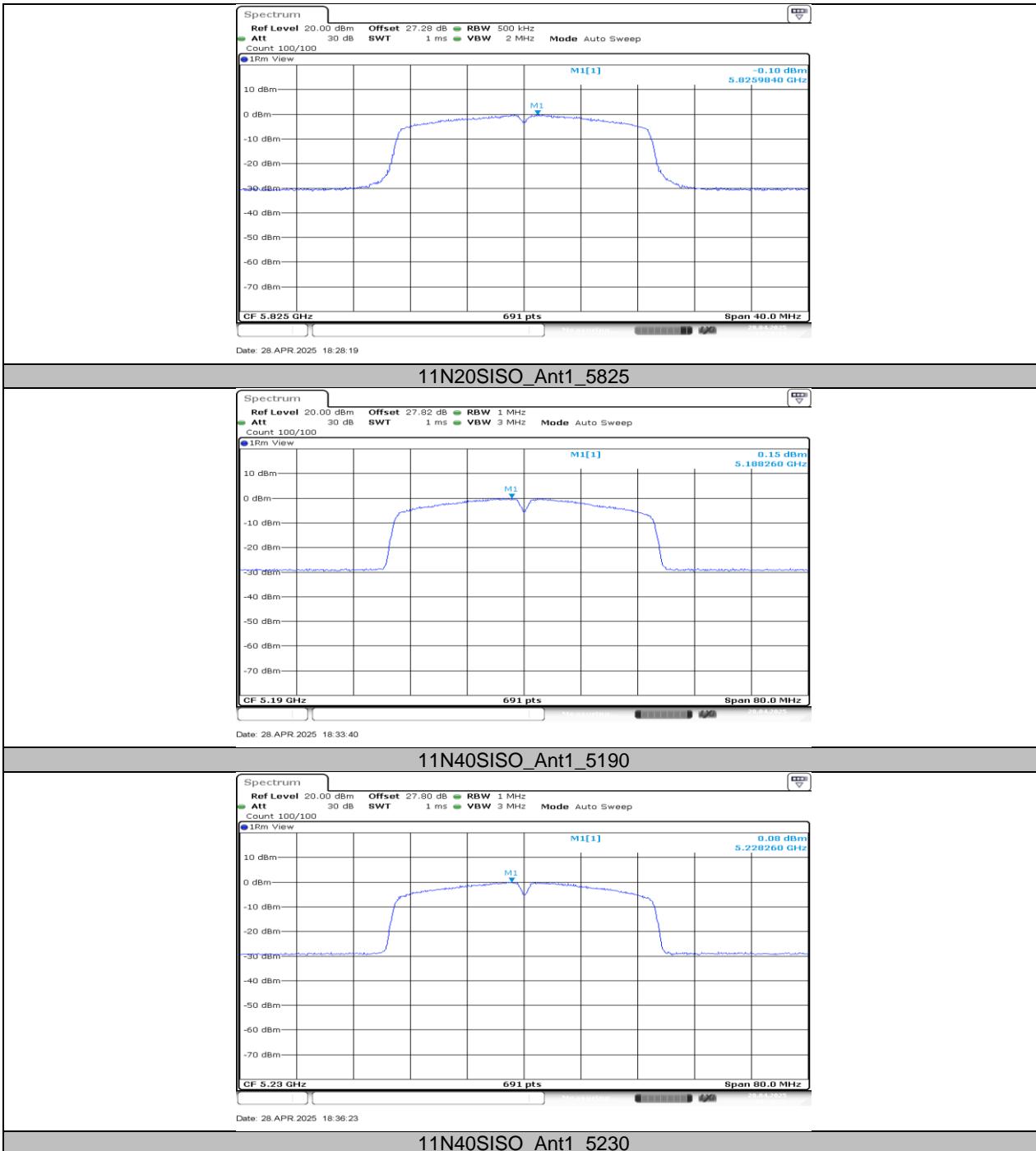


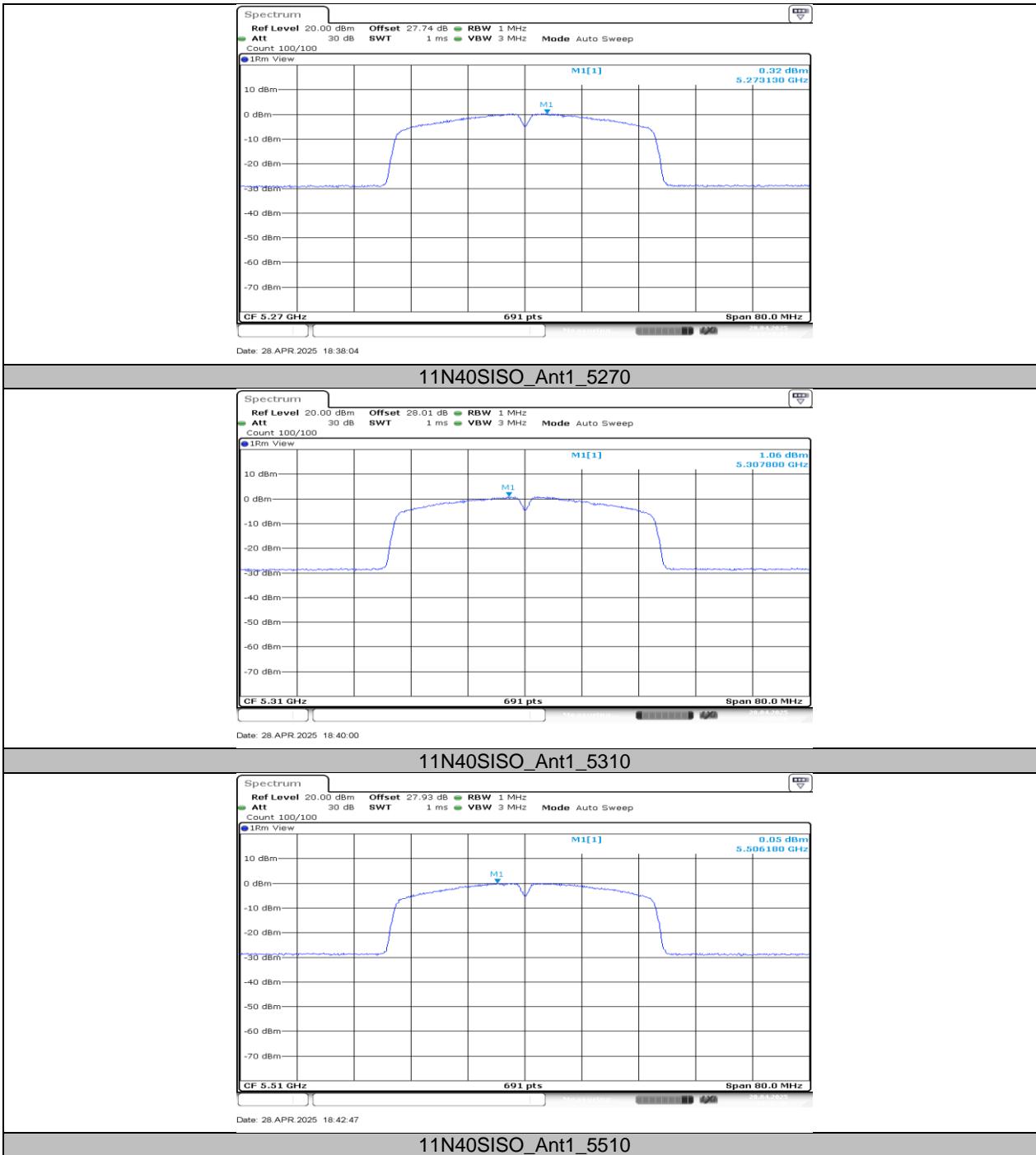


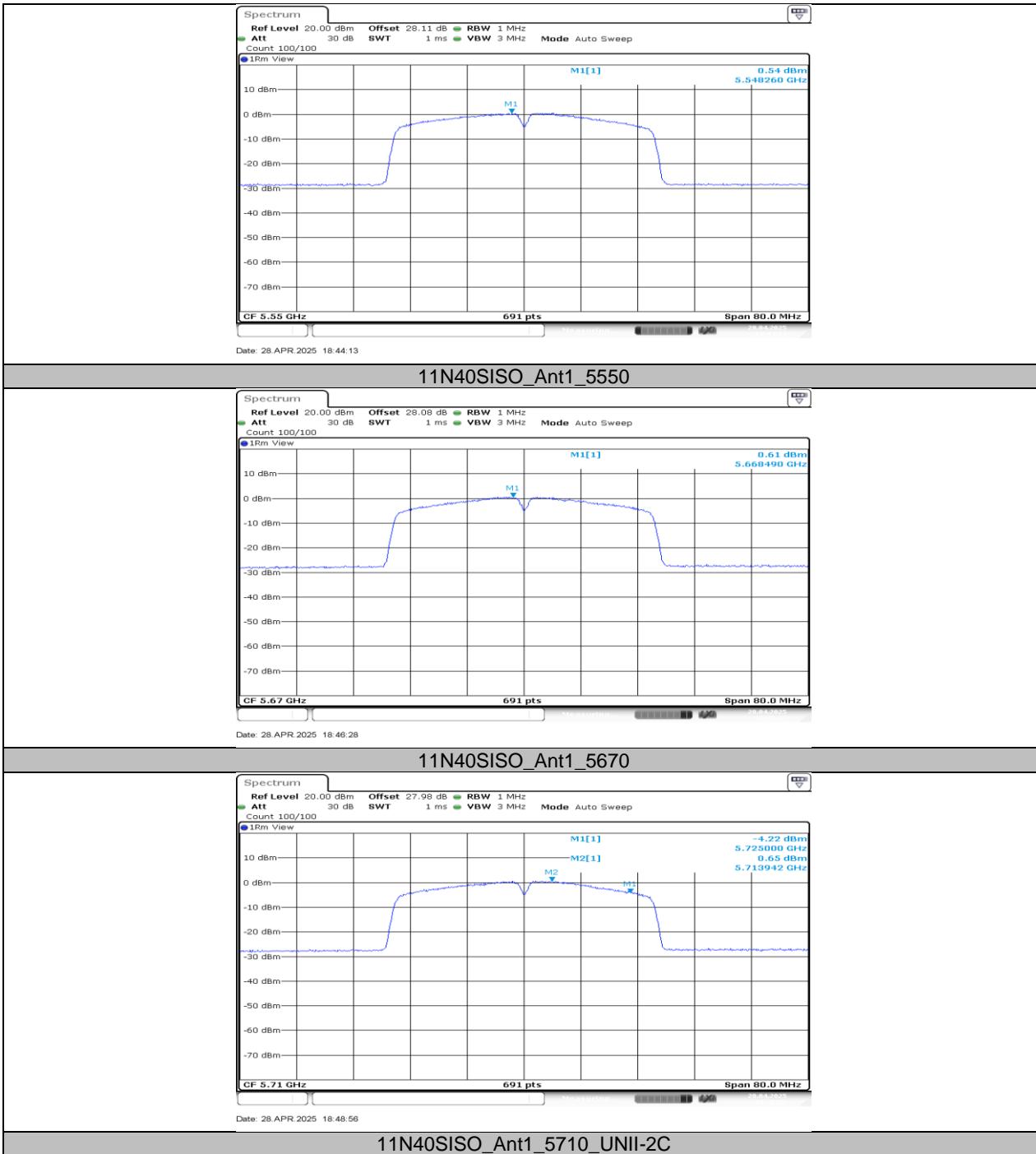


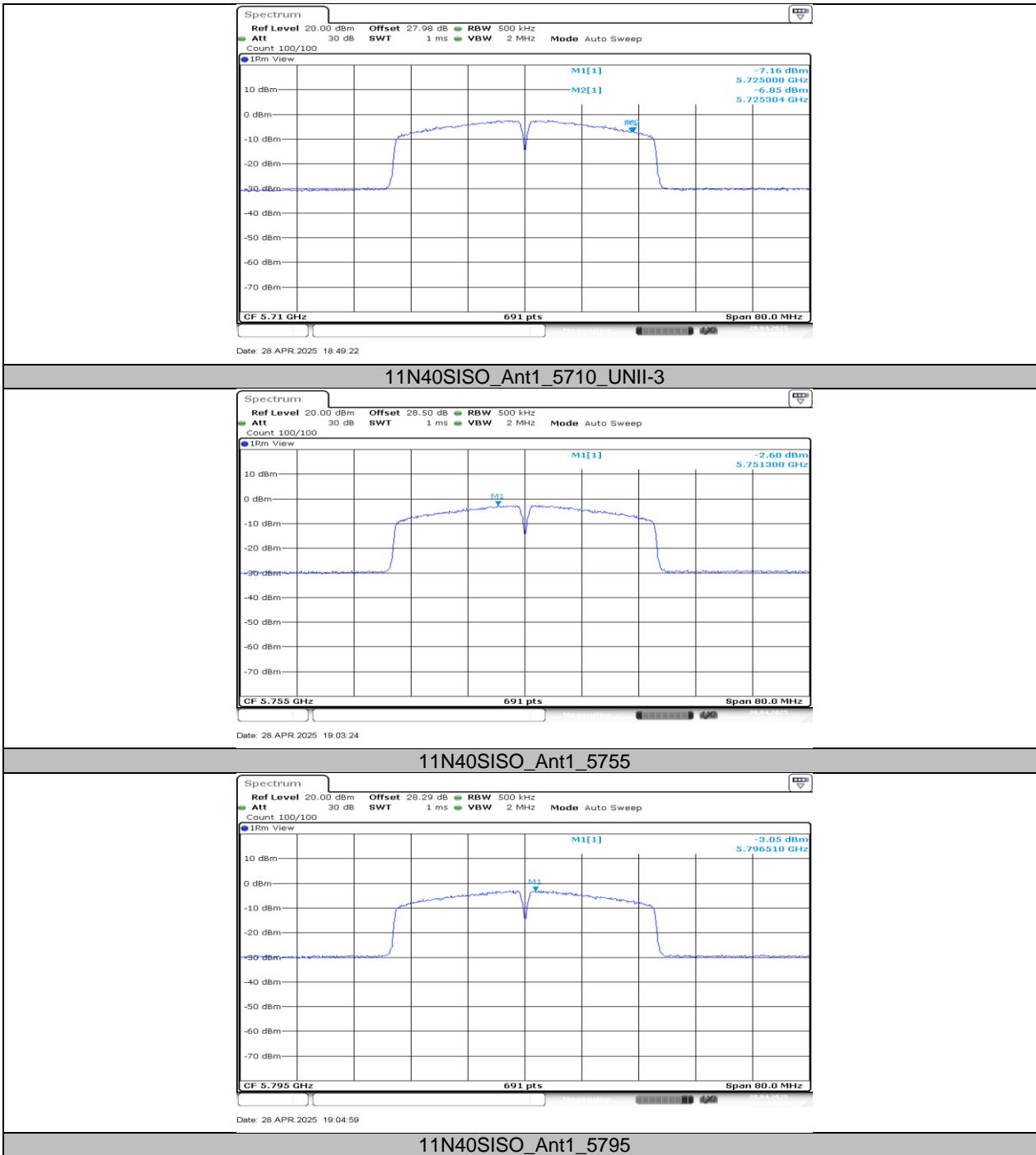












11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5180.0043	0.83	5180.0133	2.58	5179.9758	-4.67	5179.9991	-0.16
TN	VN	5180.0130	2.51	5179.9972	-0.55	5180.0034	0.65	5180.0168	3.25
TN	VH	5180.0137	2.64	5179.9897	-1.98	5180.0033	0.63	5179.9765	-4.53

Frequency Error vs. Temperature									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
70	VN	5179.9917	-1.61	5179.9910	-1.73	5180.0054	1.04	5179.9819	-3.49
60	VN	5180.0038	0.73	5179.9885	-2.23	5179.9883	-2.27	5180.0230	4.43
50	VN	5180.0141	2.73	5180.0197	3.81	5180.0052	1.01	5179.9889	-2.14
40	VN	5180.0161	3.11	5179.9877	-2.37	5179.9980	-0.40	5179.9889	-2.14
30	VN	5179.9905	-1.84	5180.0220	4.24	5179.9973	-0.51	5180.0201	3.87
20	VN	5179.9788	-4.09	5179.9879	-2.33	5180.0212	4.09	5180.0105	2.03
10	VN	5180.0209	4.03	5179.9889	-2.14	5179.9761	-4.62	5179.9797	-3.93
0	VN	5180.0005	0.10	5180.0220	4.25	5180.0042	0.81	5179.9992	-0.15

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.

Frequency Error vs. Voltage									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5824.9871	-2.21	5824.9925	-1.28	5825.0157	2.70	5825.0244	4.19
TN	VN	5824.9811	-3.25	5825.0112	1.93	5824.9756	-4.19	5825.0016	0.28
TN	VH	5824.9801	-3.41	5824.9939	-1.04	5824.9985	-0.25	5825.0217	3.72

Frequency Error vs. Temperature									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
70	VN	5825.0002	0.03	5825.0099	1.70	5824.9959	-0.70	5824.9754	-4.22
60	VN	5824.9815	-3.17	5825.0165	2.83	5825.0166	2.84	5824.9862	-2.36
50	VN	5824.9952	-0.82	5825.0068	1.16	5825.0032	0.54	5825.0072	1.23
40	VN	5824.9811	-3.24	5824.9846	-2.64	5825.0025	0.43	5825.0022	0.39
30	VN	5825.0134	2.30	5824.9998	-0.03	5824.9813	-3.21	5825.0199	3.42
20	VN	5825.0056	0.96	5825.0187	3.21	5824.9826	-2.98	5824.9987	-0.22
10	VN	5825.0117	2.00	5825.0141	2.41	5824.9897	-1.77	5824.9804	-3.37
0	VN	5824.9776	-3.85	5825.0082	1.41	5825.0160	2.75	5825.0200	3.44

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	1.34	1.84	0.7283	72.83	1.38	0.75	1
11N20SISO	1.26	1.76	0.7159	71.59	1.45	0.79	1
11N40SISO	0.63	1.12	0.5625	56.25	2.50	1.59	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

