

10 APPENDIX

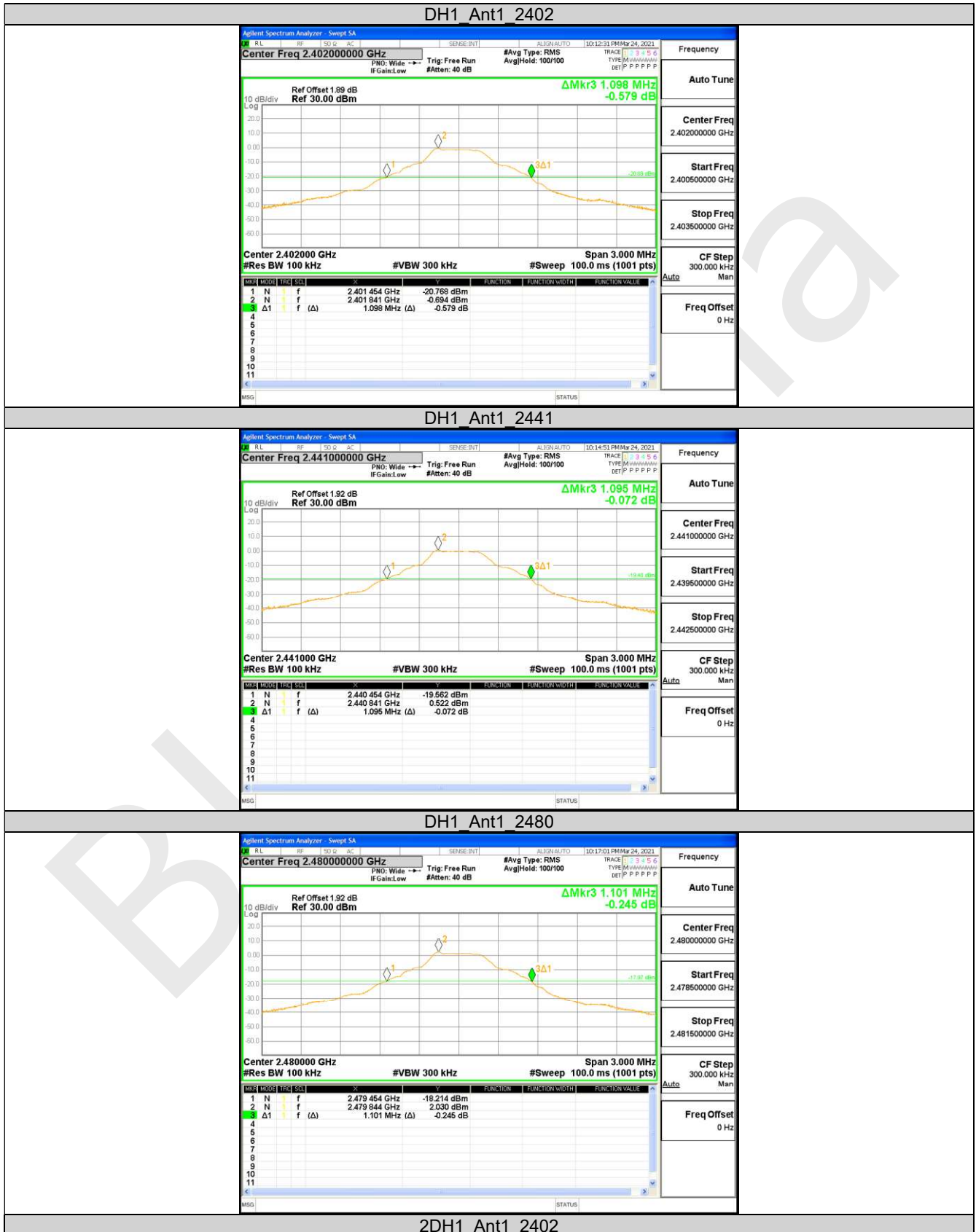
Appendix1

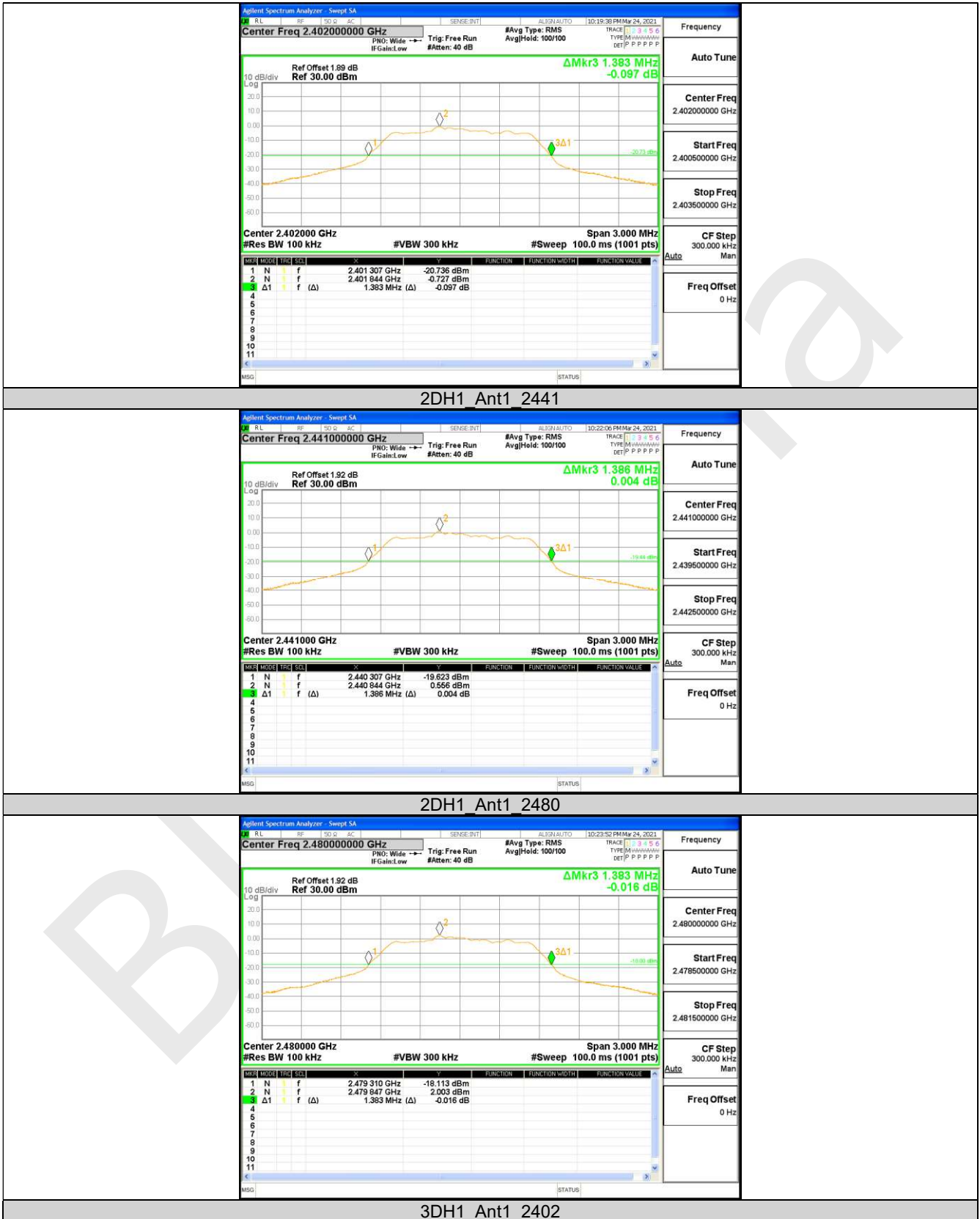
10.1 APPENDIX A: 20DB EMISSION BANDWIDTH

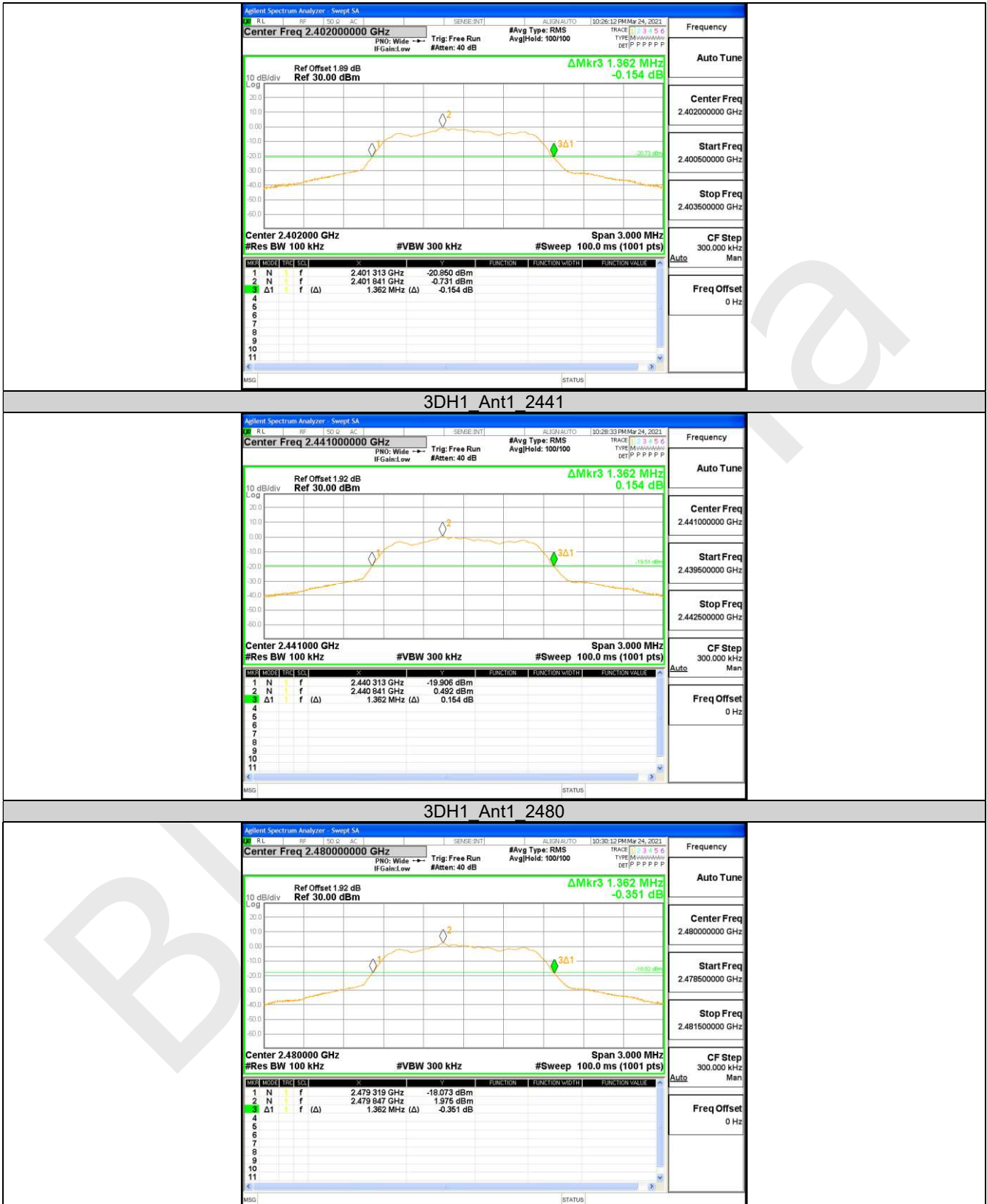
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.098	2401.454	2402.552	---	PASS
		2441	1.095	2440.454	2441.549	---	PASS
		2480	1.101	2479.454	2480.555	---	PASS
2DH1	Ant1	2402	1.383	2401.307	2402.690	---	PASS
		2441	1.386	2440.307	2441.693	---	PASS
		2480	1.383	2479.310	2480.693	---	PASS
3DH1	Ant1	2402	1.362	2401.313	2402.675	---	PASS
		2441	1.362	2440.313	2441.675	---	PASS
		2480	1.362	2479.319	2480.681	---	PASS

Test Graphs





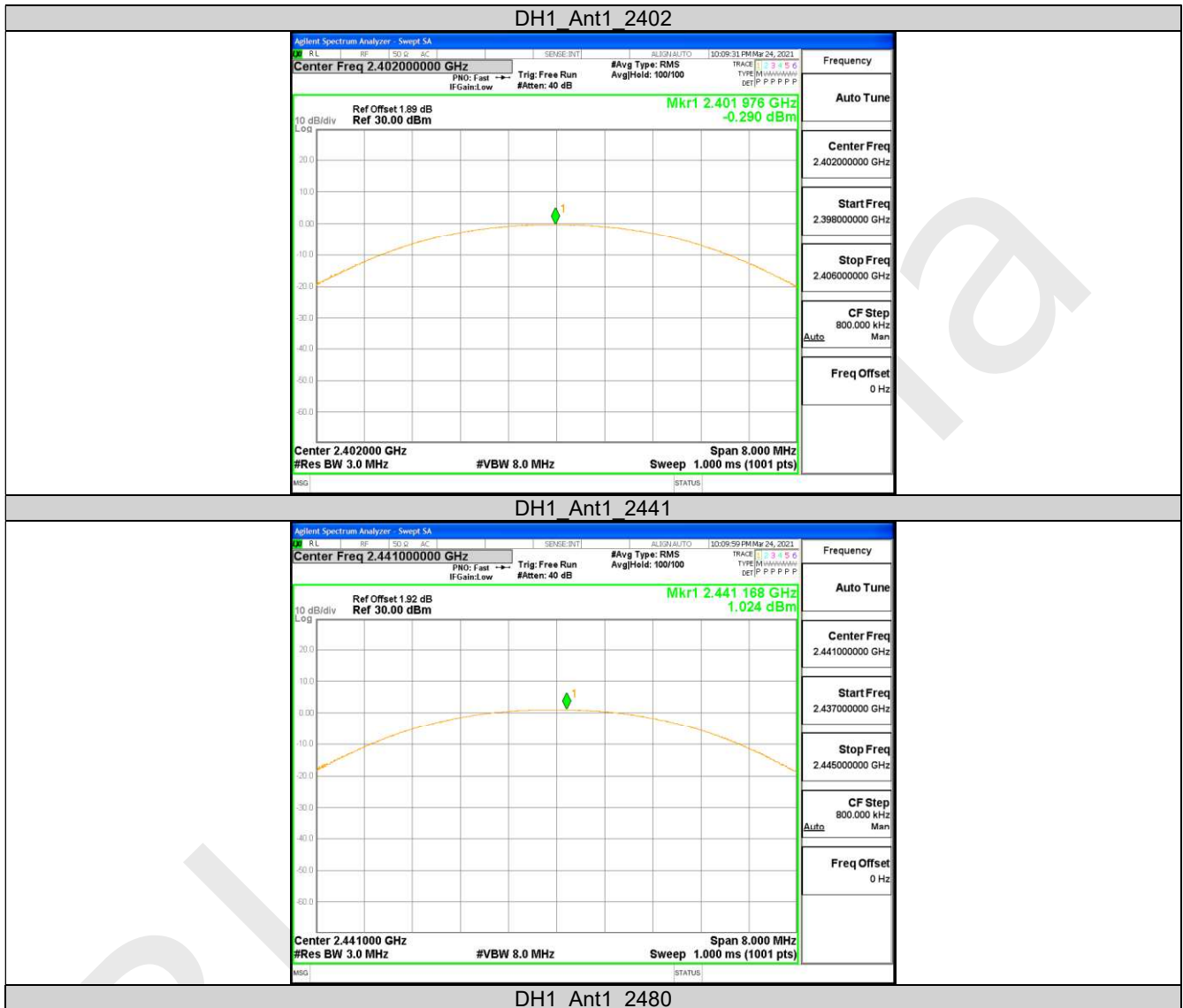


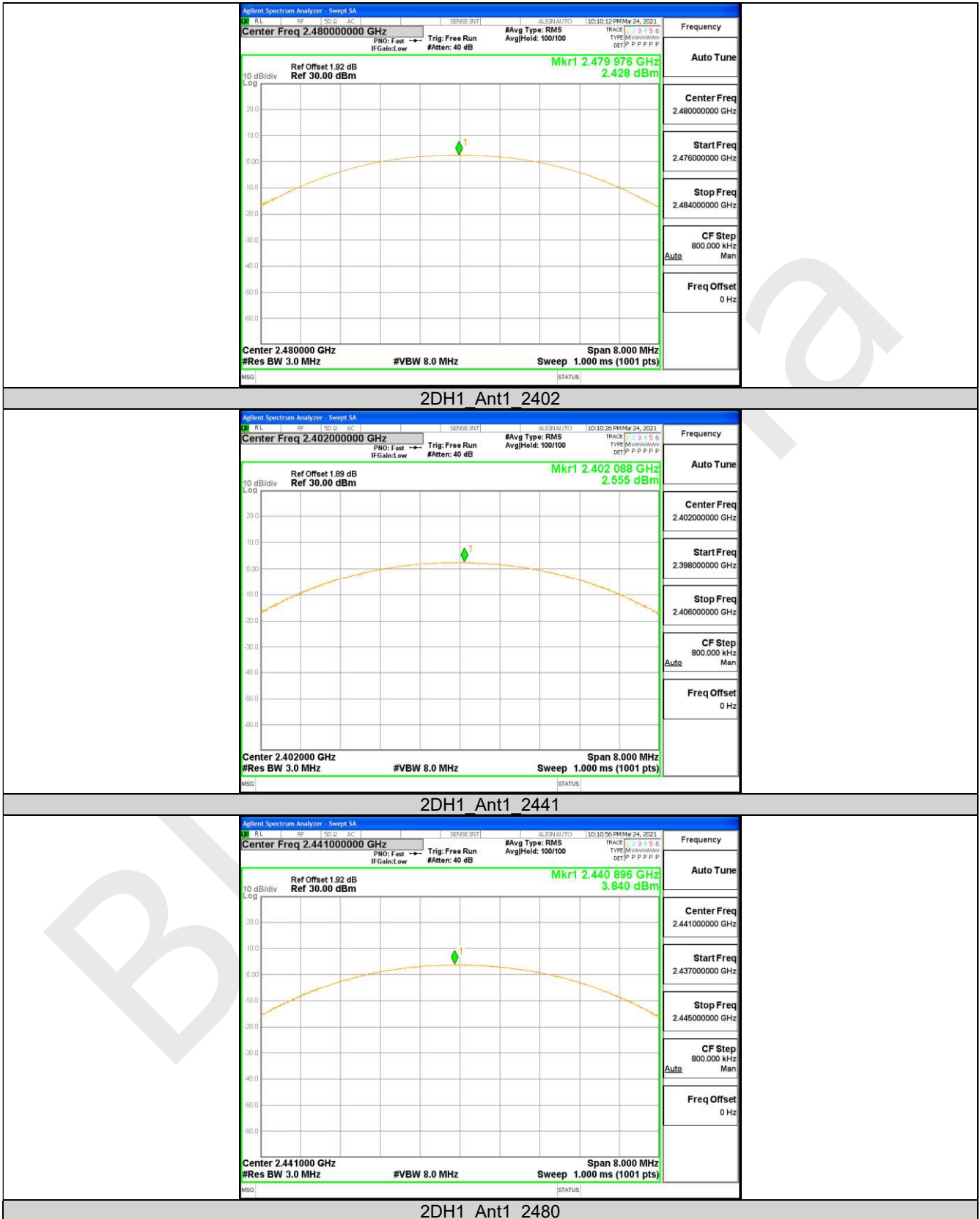
10.2 APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

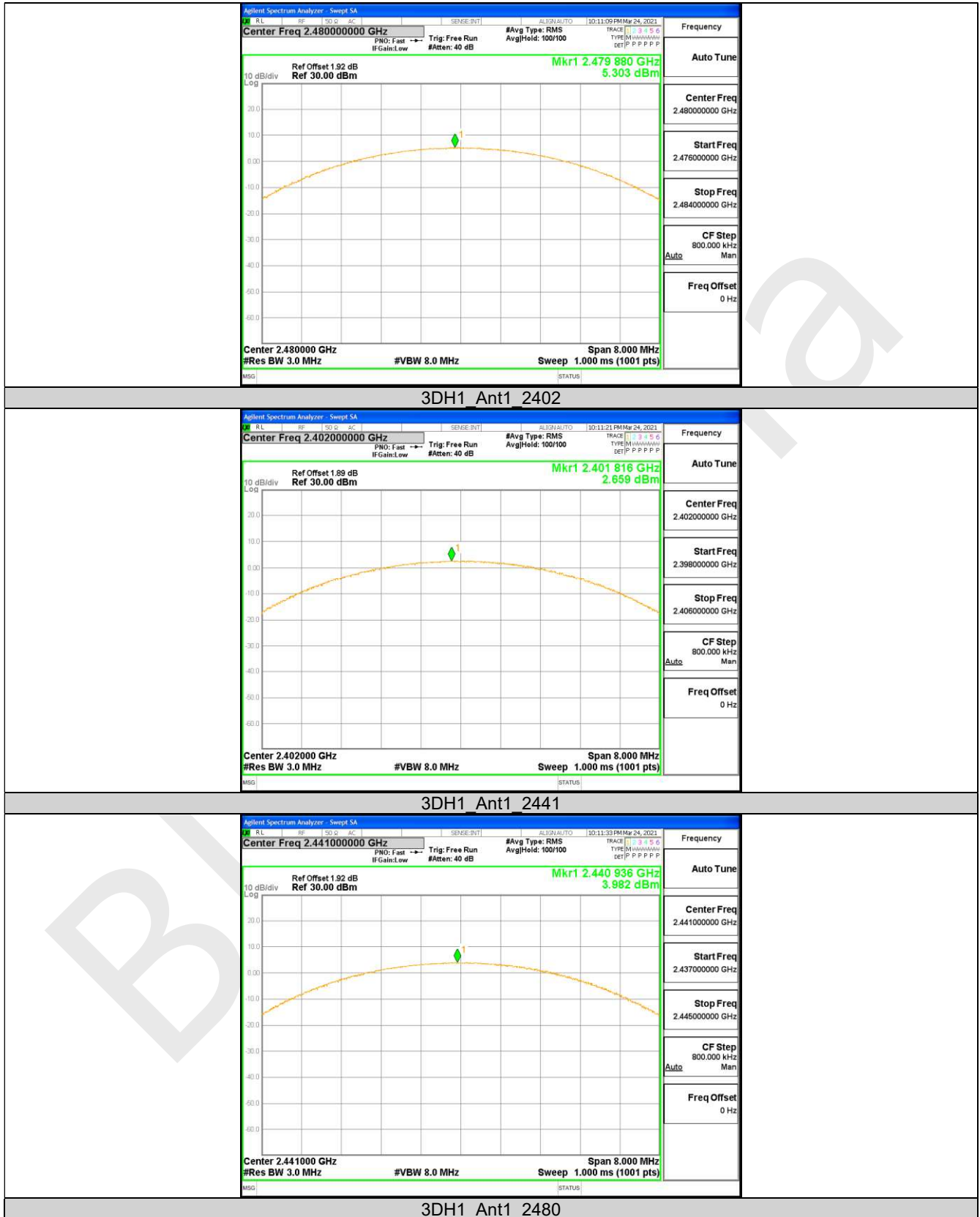
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	-0.29	<=20.97	PASS
		2441	1.02	<=20.97	PASS
		2480	2.43	<=20.97	PASS
2DH1	Ant1	2402	2.56	<=20.97	PASS
		2441	3.84	<=20.97	PASS
		2480	5.3	<=20.97	PASS
3DH1	Ant1	2402	2.66	<=20.97	PASS
		2441	3.98	<=20.97	PASS
		2480	5.37	<=20.97	PASS

Test Graphs









10.3 APPENDIX D: CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.002	≥ 0.734	PASS
2DH1	Ant1	Hop	1	≥ 0.924	PASS
3DH1	Ant1	Hop	0.998	≥ 0.908	PASS

Test Graphs

DH1 Ant1 Hop



2DH1 Ant1 Hop



3DH1 Ant1 Hop



10.4 APPENDIX E: TIME OF OCCUPANCY

Test Result

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	DH1/2-DH1/3-DH1	115.200	400	Pass
2441MHz	DH3/2-DH3/3-DH3	259.200	400	Pass
2441MHz	DH5/2-DH5/3-DH5	306.133	400	Pass

The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

Test channel: 2441MHz as blow

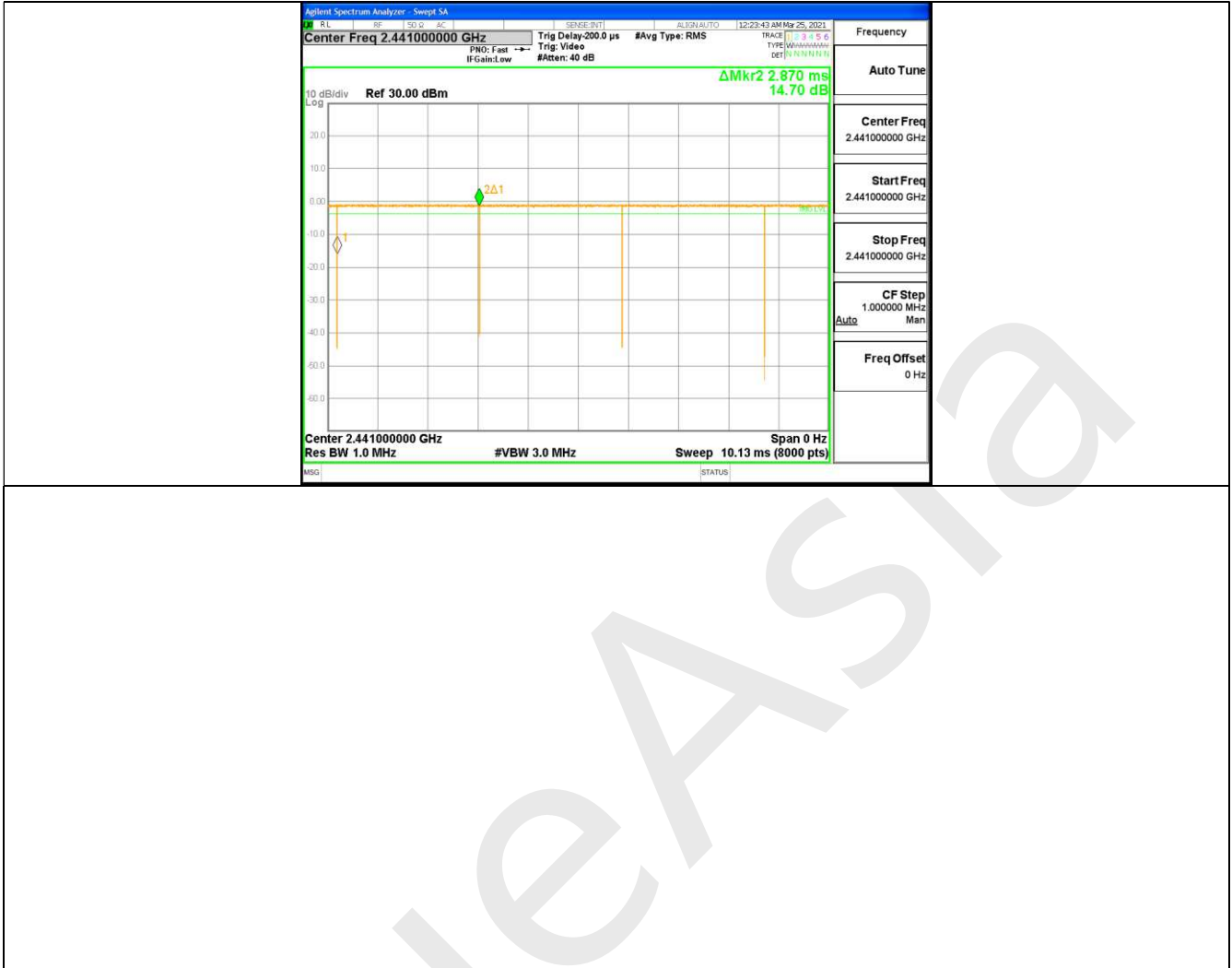
DH1/2-DH1/3-DH1 time slot = $0.36 \text{ (ms)} \times (1600 / (2 \times 79)) \times 31.6 = 115.200 \text{ ms}$

DH3/2-DH3/3-DH3 time slot = $1.62 \text{ (ms)} \times (1600 / (4 \times 79)) \times 31.6 = 259.200 \text{ ms}$

DH5/2-DH5/3-DH5 time slot = $2.87 \text{ (ms)} \times (1600 / (6 \times 79)) \times 31.6 = 306.133 \text{ ms}$

Test Graphs



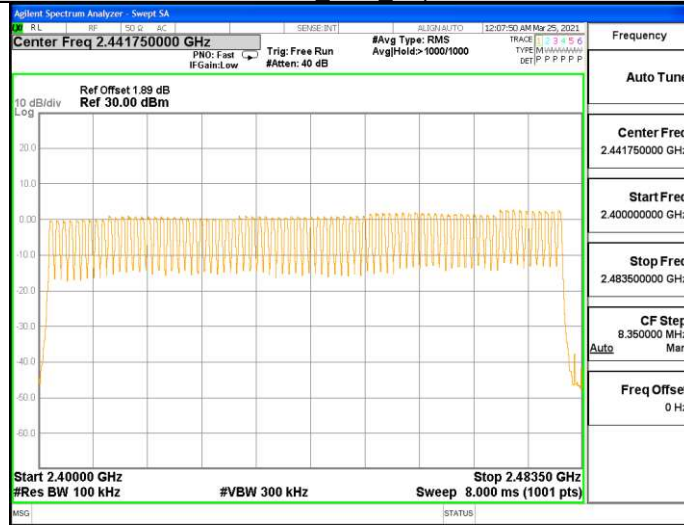


10.5 APPENDIX F: NUMBER OF HOPPING CHANNELS**Test Result**

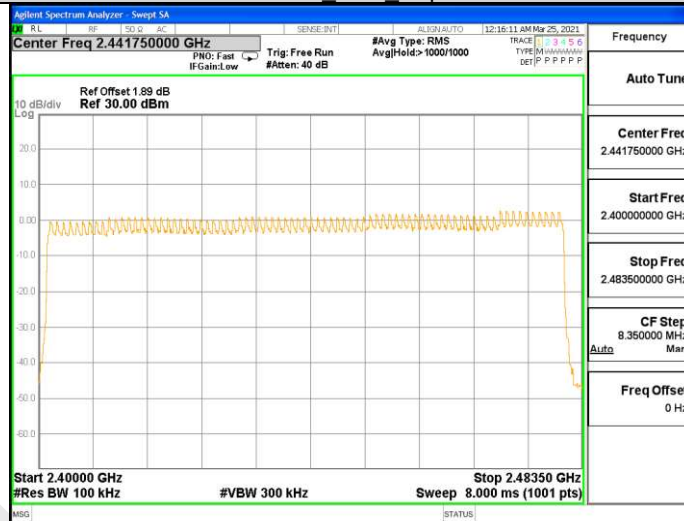
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥ 15	PASS
2DH1	Ant1	Hop	79	≥ 15	PASS
3DH1	Ant1	Hop	79	≥ 15	PASS

Test Graphs

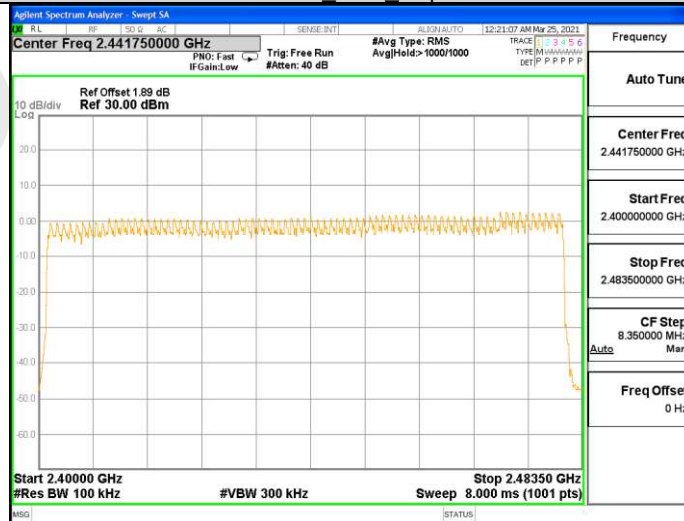
DH1 Ant1 Hop



2DH1 Ant1 Hop



3DH1 Ant1 Hop



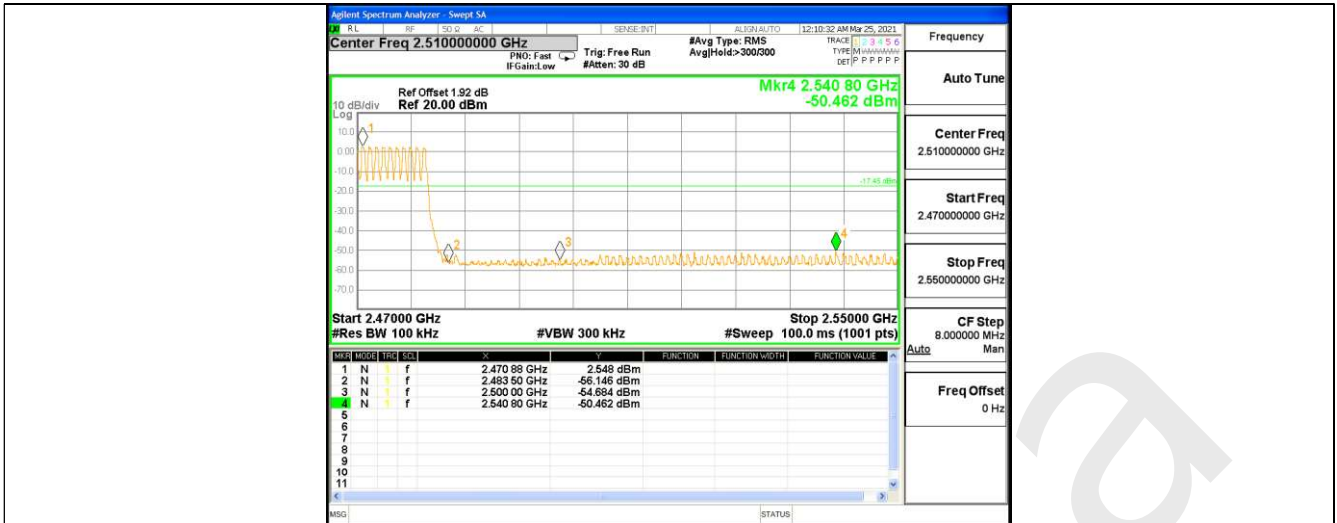
10.6 APPENDIX G: BAND EDGE MEASUREMENTS

Test Result

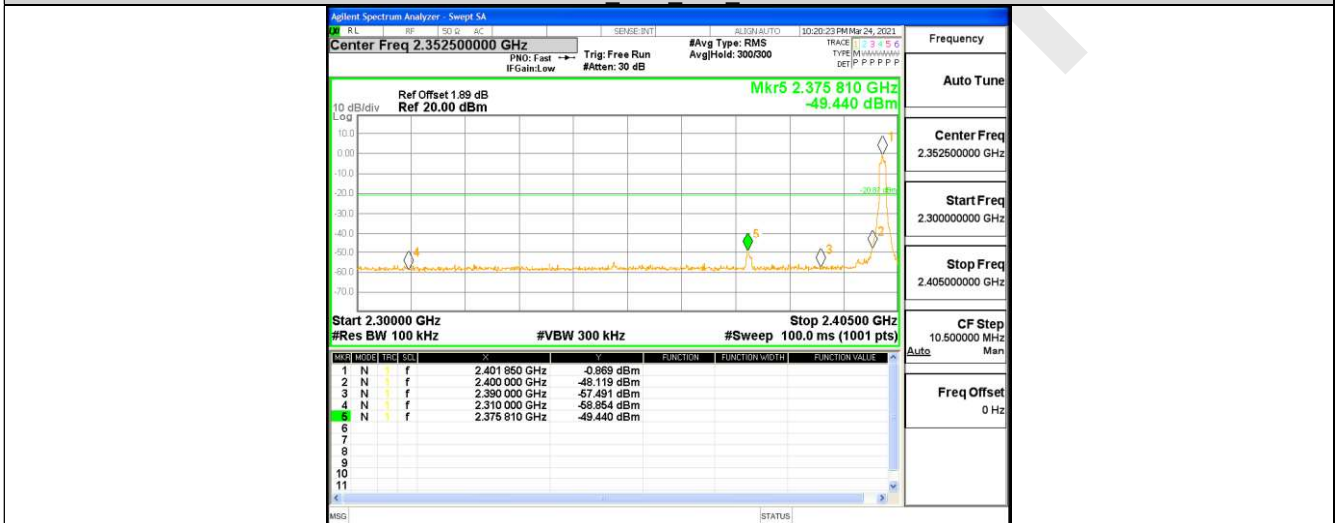
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-0.81	-49.62	<=-20.81	PASS
		High	2480	1.97	-52.65	<=-18.03	PASS
		Low	Hop_2402	-0.36	-49.66	-20.36	PASS
		High	Hop_2480	2.55	-50.46	-17.45	PASS
2DH1	Ant1	Low	2402	-0.87	-49.44	<=-20.87	PASS
		High	2480	1.93	-53.78	<=-18.08	PASS
		Low	Hop_2402	-0.72	-49.84	-20.72	PASS
		High	Hop_2480	2.31	-51.68	-17.69	PASS
3DH1	Ant1	Low	2402	-0.87	-49.44	<=-20.87	PASS
		High	2480	1.92	-53.31	<=-18.08	PASS
		Low	Hop_2402	-0.68	-49.87	-20.68	PASS
		High	Hop_2480	2.42	-51.36	-17.58	PASS

Test Graphs

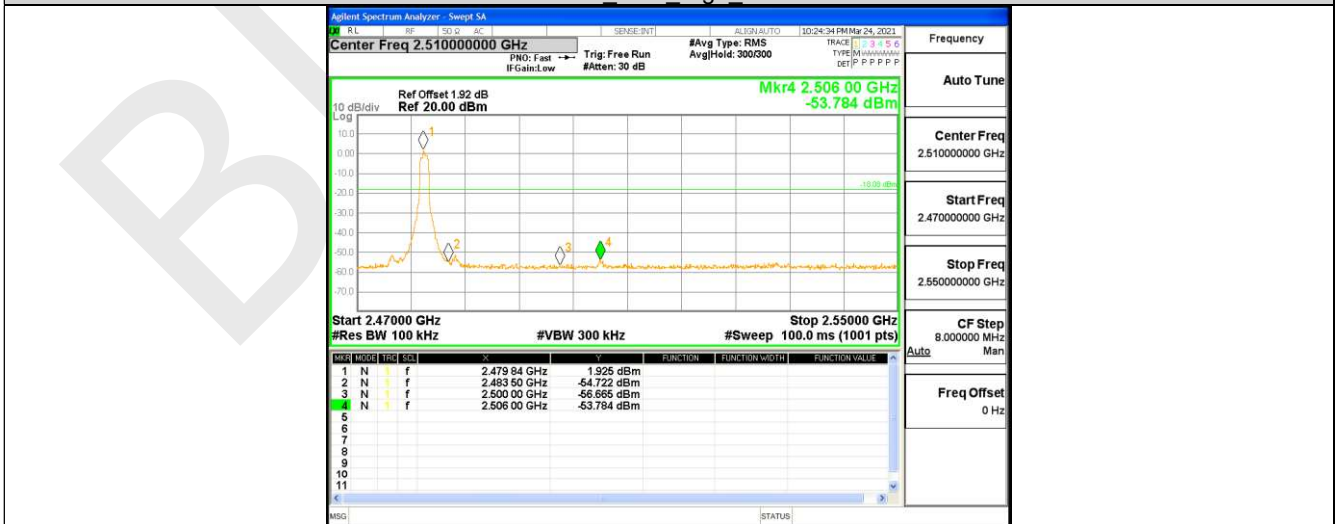




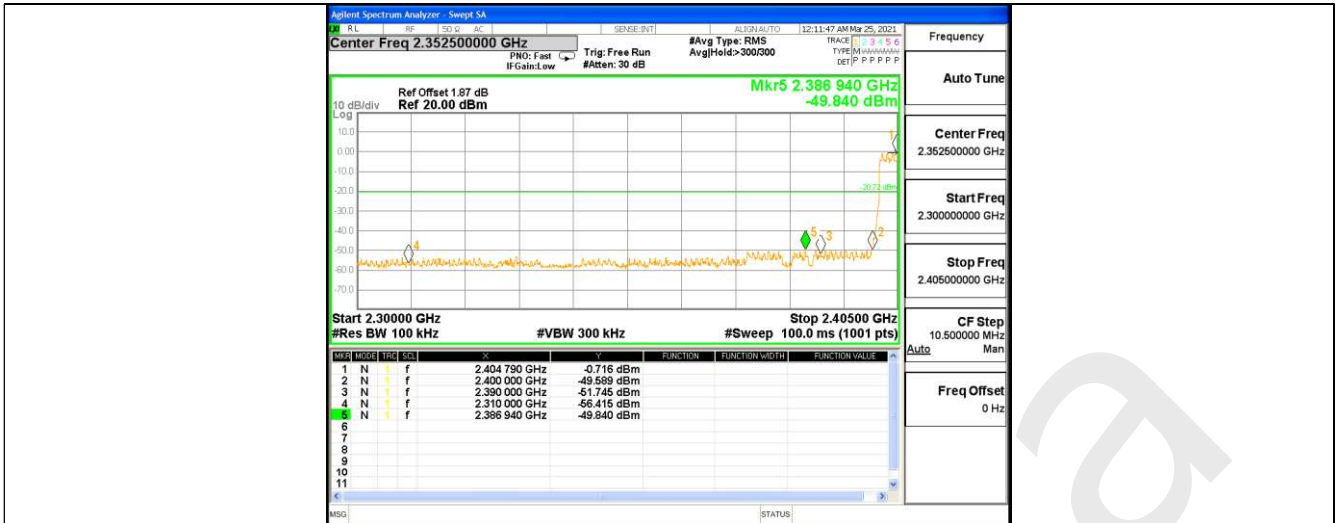
2D11_Ant1_Low_2402



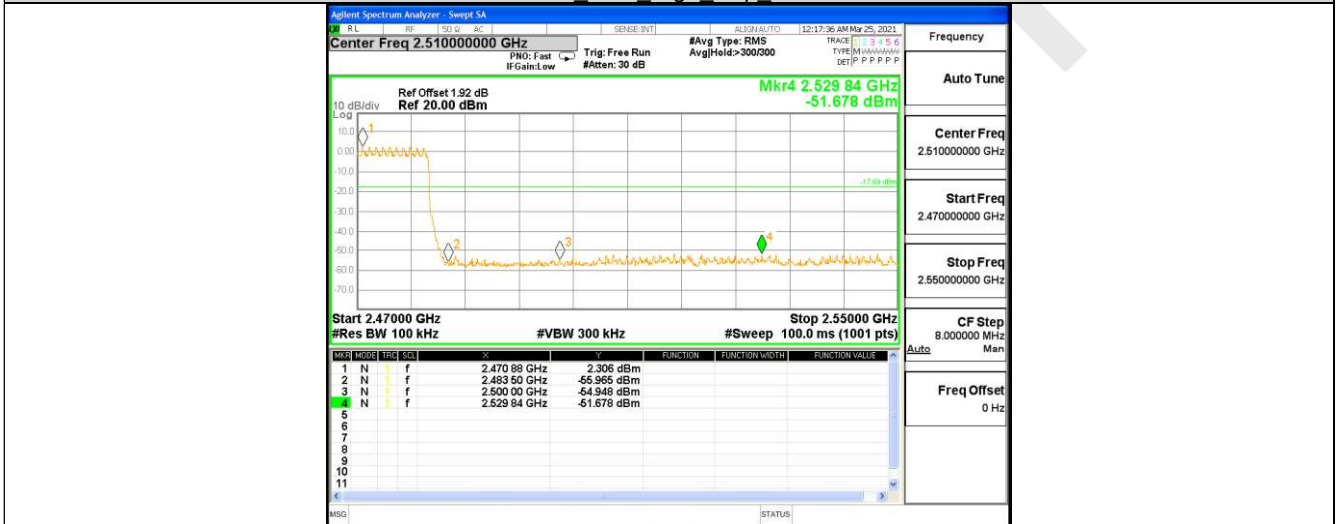
2D11_Ant1_High_2480



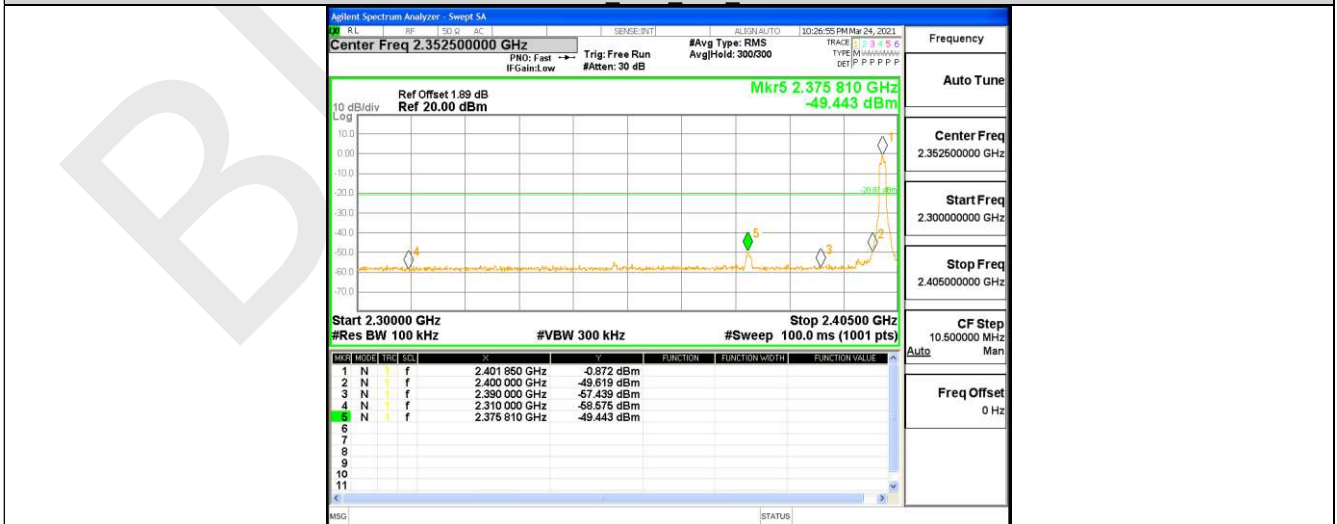
2D11_Ant1_Low_Hop_2402



2DH1 Ant1 High Hop 2480



3DH1 Ant1 Low 2402



3DH1 Ant1 High 2480

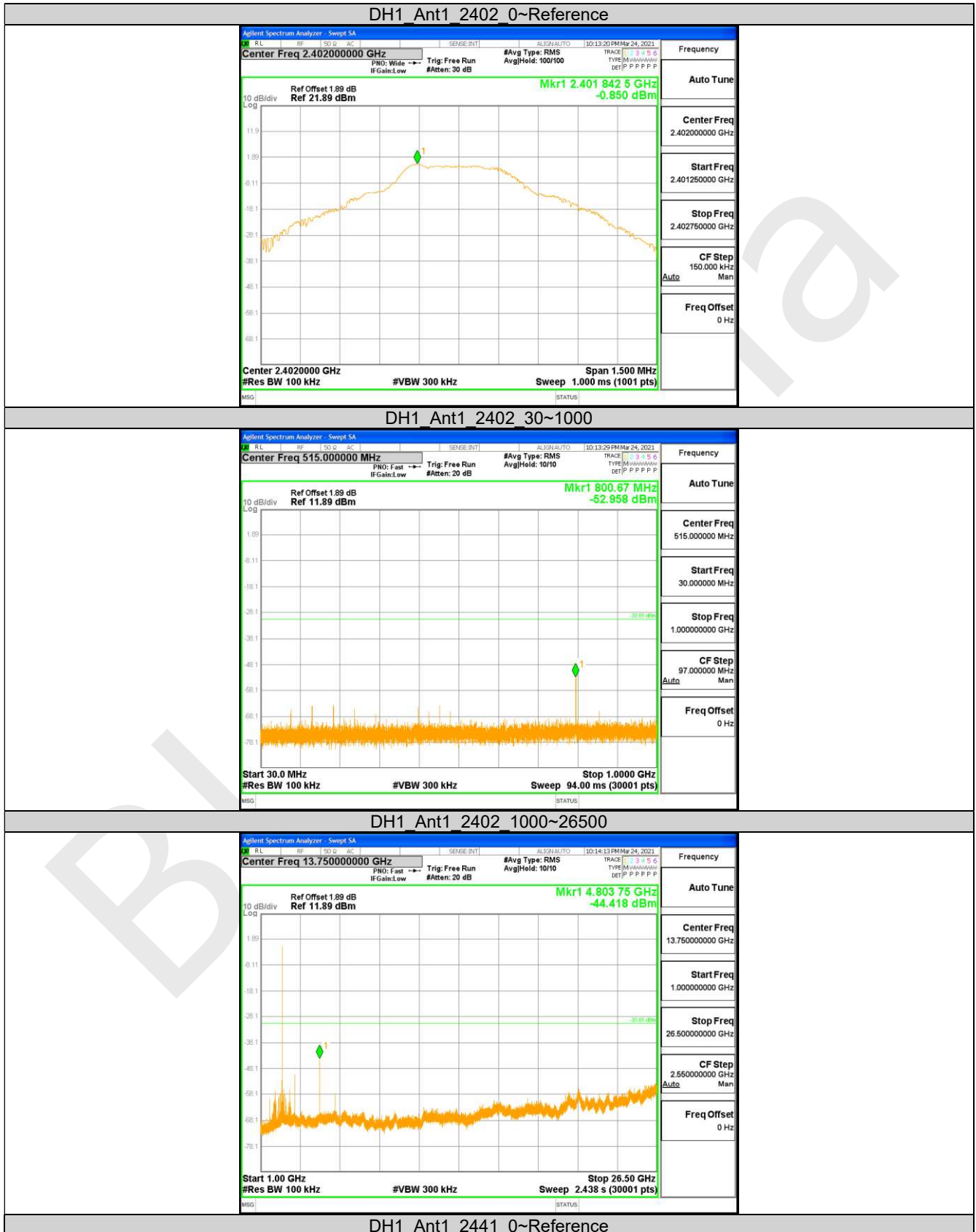


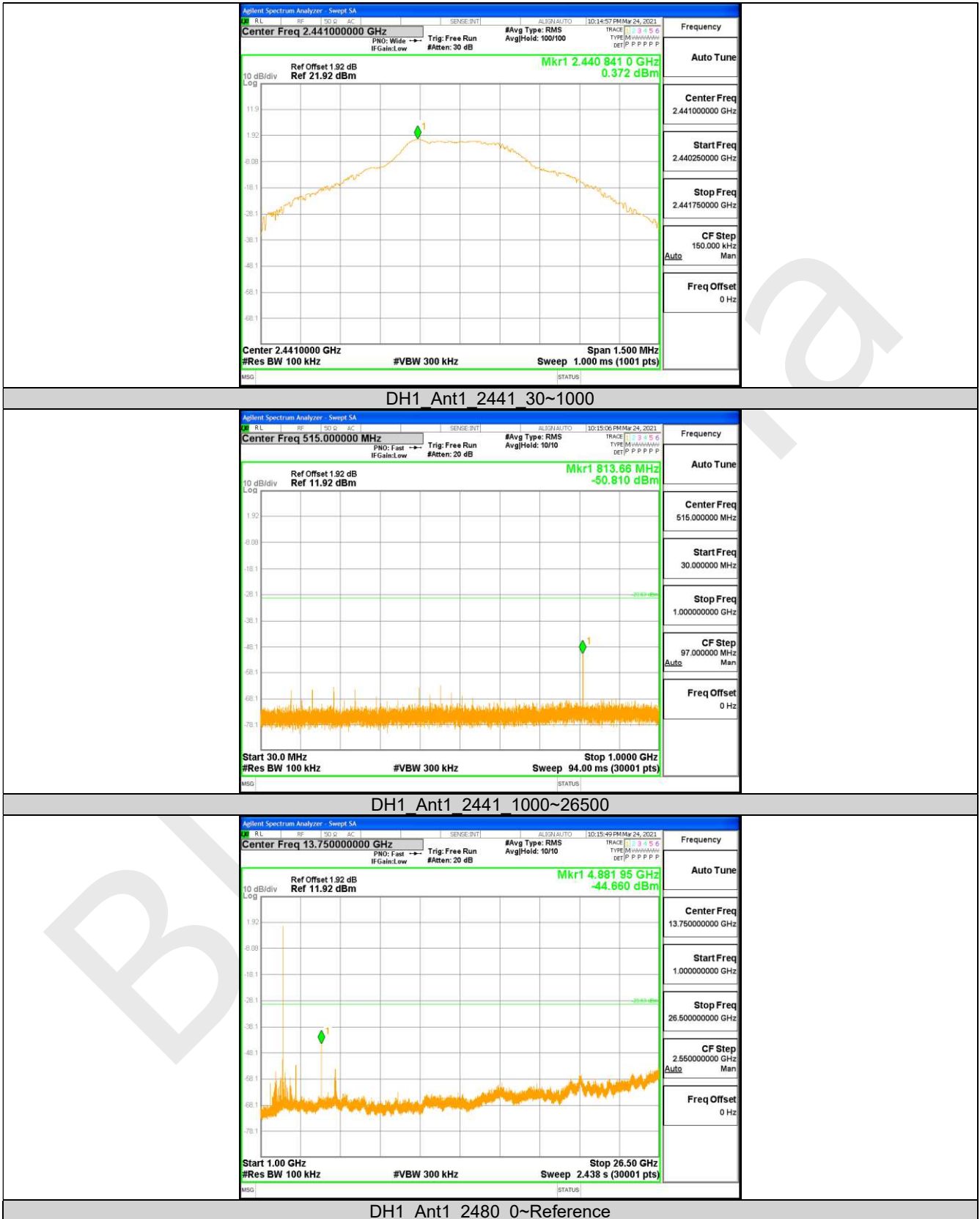
10.7 APPENDIX H: CONDUCTED SPURIOUS EMISSION

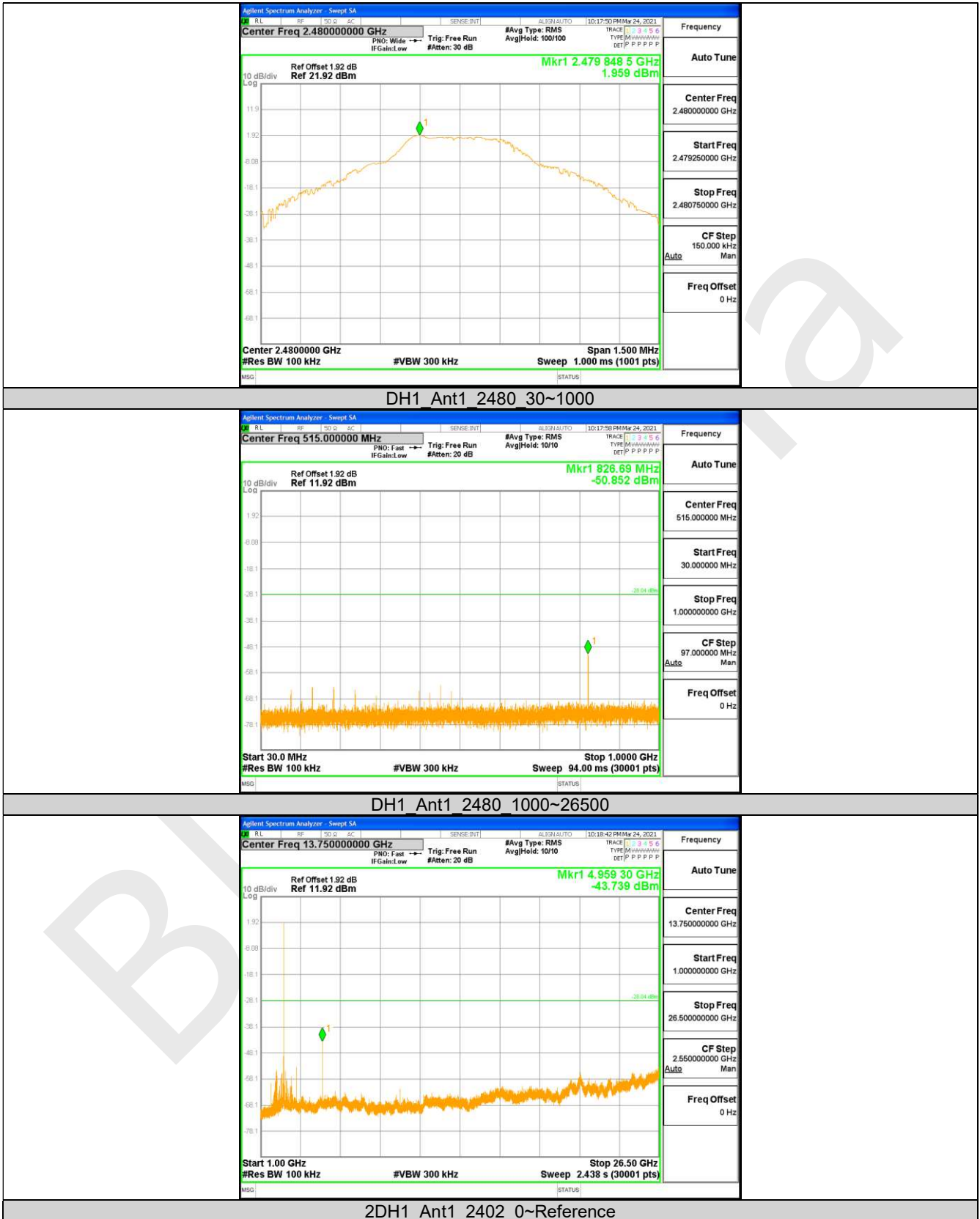
Test Result

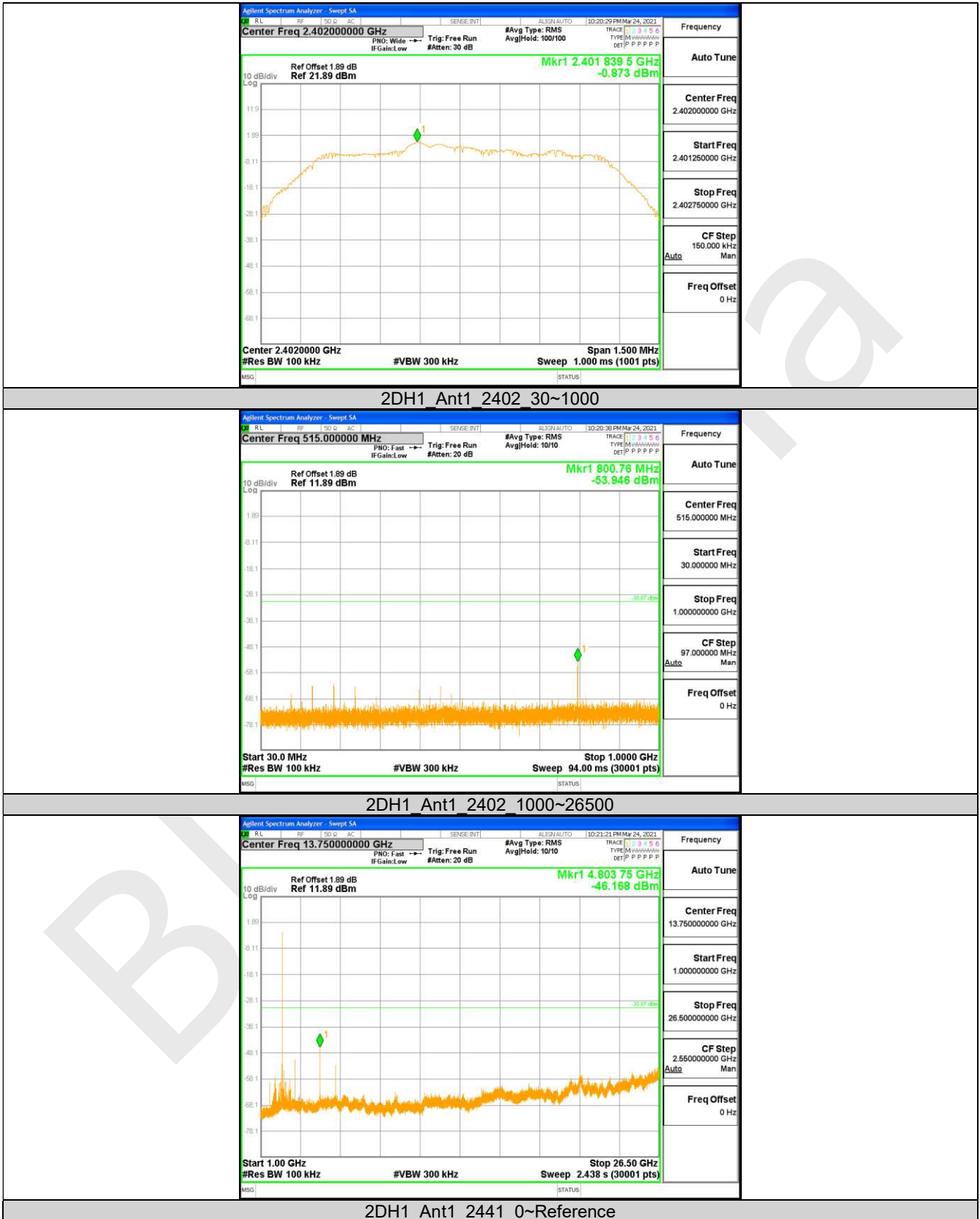
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-0.85	-0.85	---	PASS
			30~1000	30~1000	-52.958	<=-30.85	PASS
			1000~26500	1000~26500	-44.418	<=-30.85	PASS
		2441	Reference	0.37	0.37	---	PASS
			30~1000	30~1000	-50.81	<=-29.628	PASS
			1000~26500	1000~26500	-44.66	<=-29.628	PASS
		2480	Reference	1.96	1.96	---	PASS
			30~1000	30~1000	-50.852	<=-28.041	PASS
			1000~26500	1000~26500	-43.739	<=-28.041	PASS
2DH1	Ant1	2402	Reference	-0.87	-0.87	---	PASS
			30~1000	30~1000	-53.946	<=-30.873	PASS
			1000~26500	1000~26500	-46.168	<=-30.873	PASS
		2441	Reference	0.38	0.38	---	PASS
			30~1000	30~1000	-51.945	<=-29.625	PASS
			1000~26500	1000~26500	-45.274	<=-29.625	PASS
		2480	Reference	1.91	1.91	---	PASS
			30~1000	30~1000	-50.933	<=-28.09	PASS
			1000~26500	1000~26500	-45.697	<=-28.09	PASS
3DH1	Ant1	2402	Reference	-0.91	-0.91	---	PASS
			30~1000	30~1000	-54.282	<=-30.913	PASS
			1000~26500	1000~26500	-45.893	<=-30.913	PASS
		2441	Reference	0.27	0.27	---	PASS
			30~1000	30~1000	-52.975	<=-29.734	PASS
			1000~26500	1000~26500	-47.519	<=-29.734	PASS
		2480	Reference	1.90	1.90	---	PASS
			30~1000	30~1000	-50.594	<=-28.097	PASS
			1000~26500	1000~26500	-46.303	<=-28.097	PASS

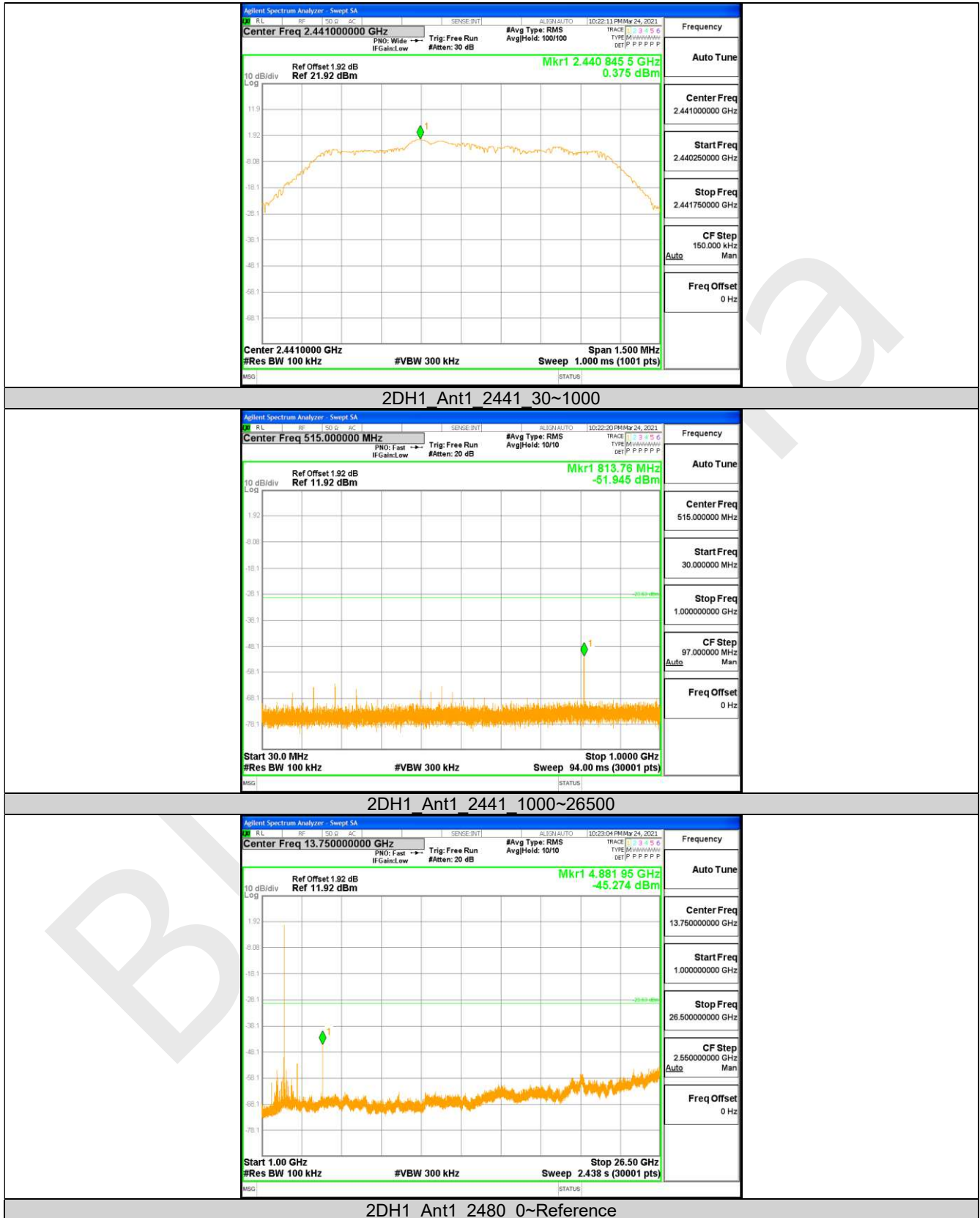
Test Graphs

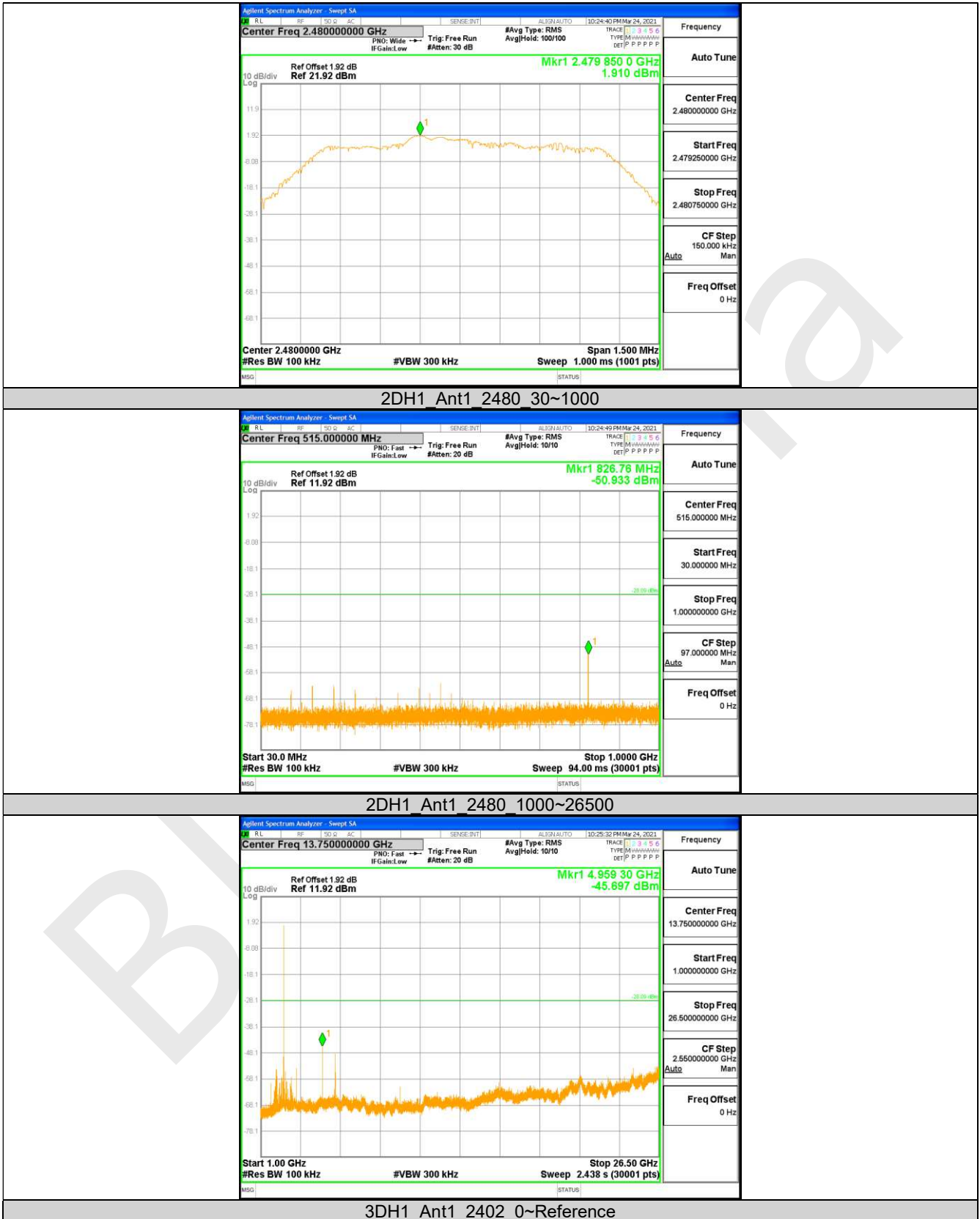


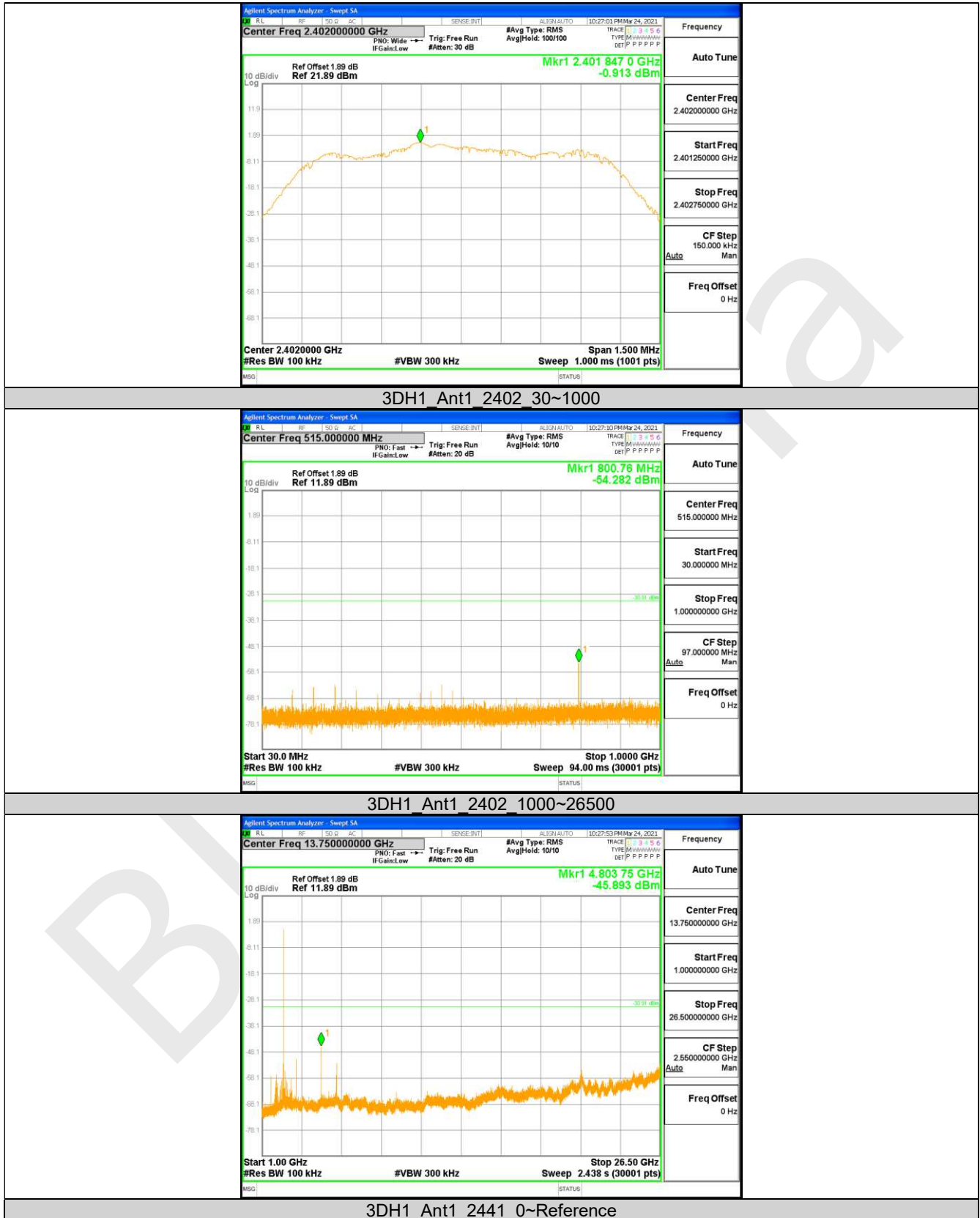


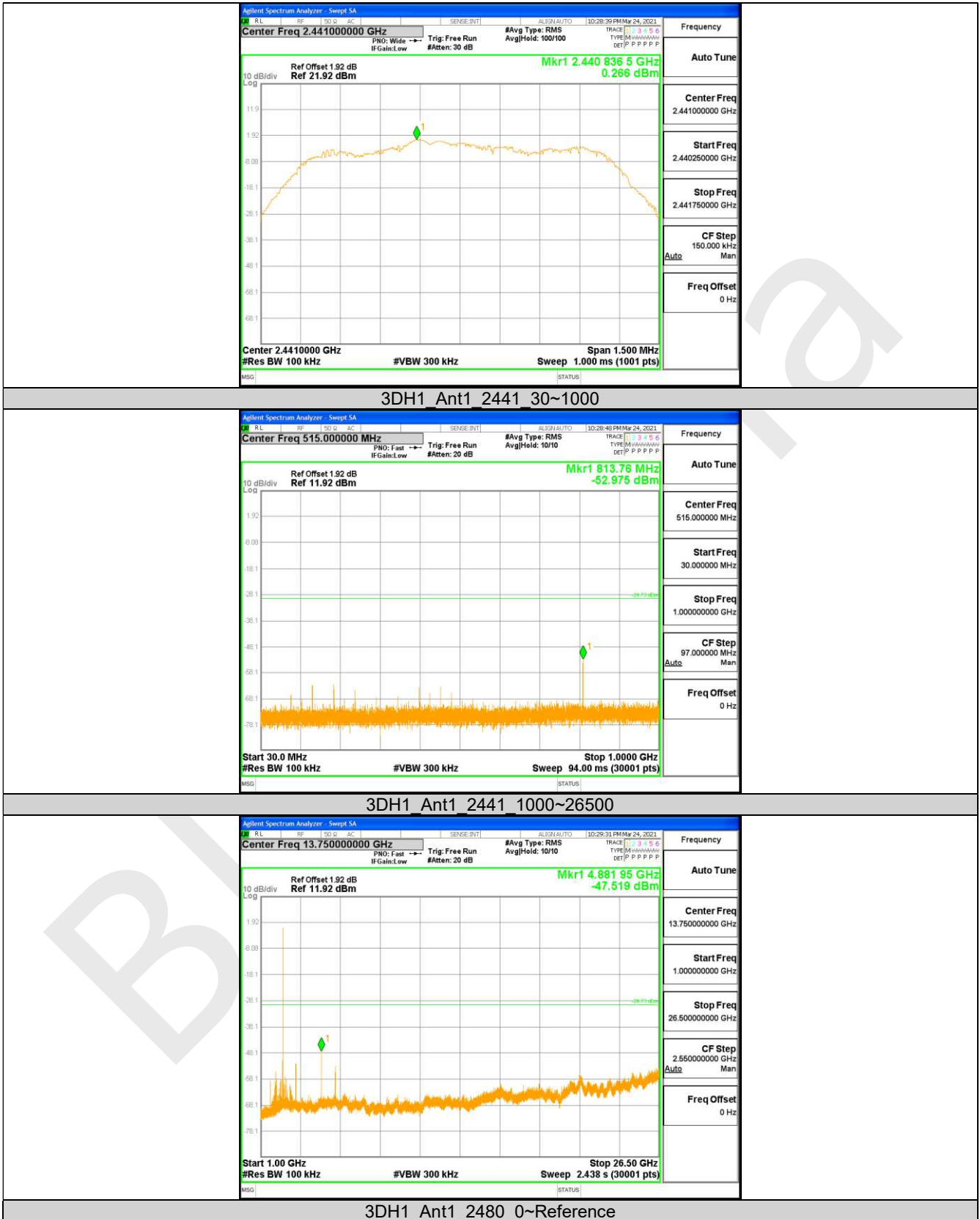


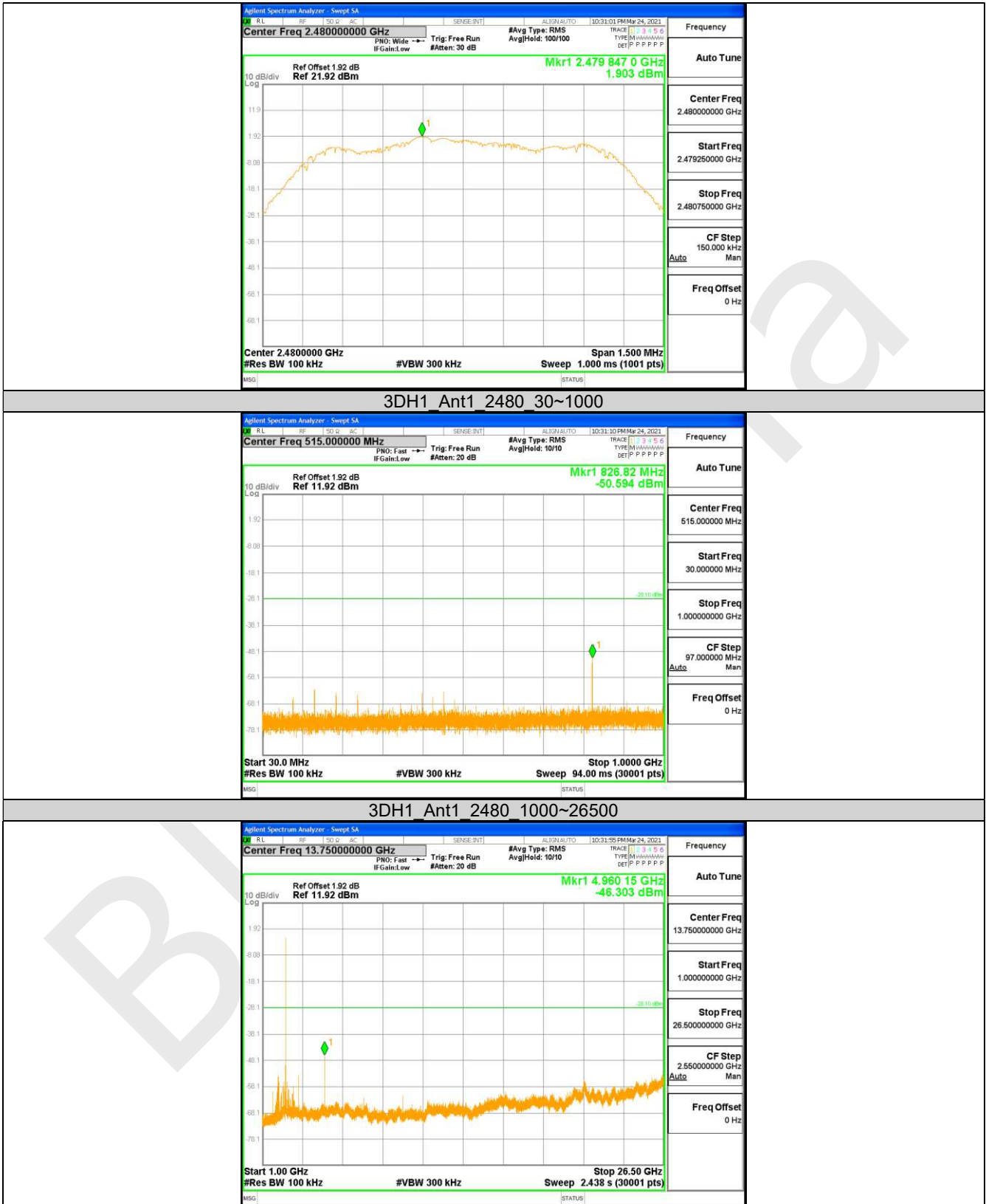






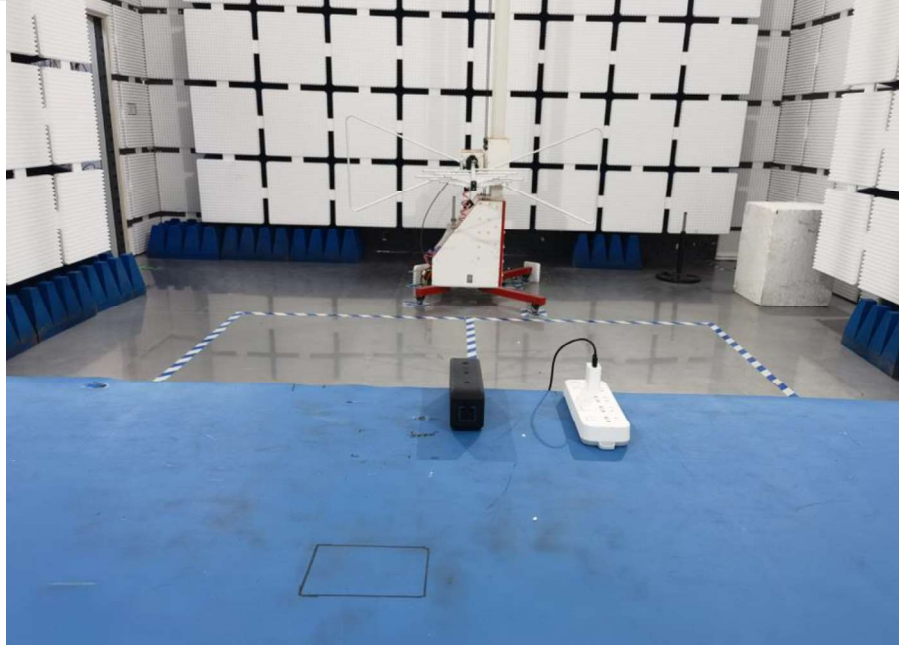




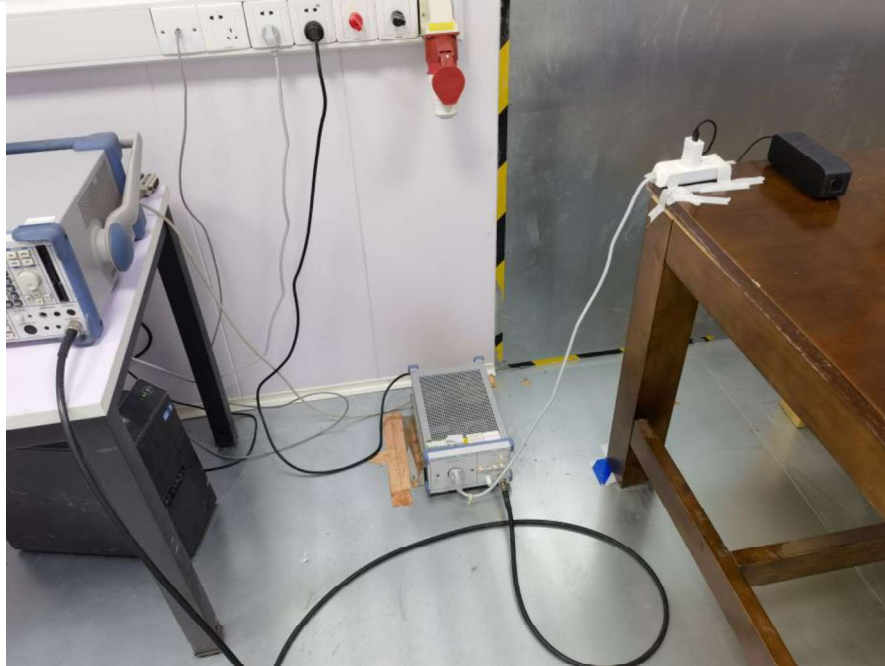


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Radiated Spurious Emissions



Conducted Emissions at AC Power Line (150kHz-30MHz)



APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202103-A8601

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.