

10 APPENDIX

Appendix1

10.1 APPENDIX A: 20DB EMISSION BANDWIDTH

Test Result

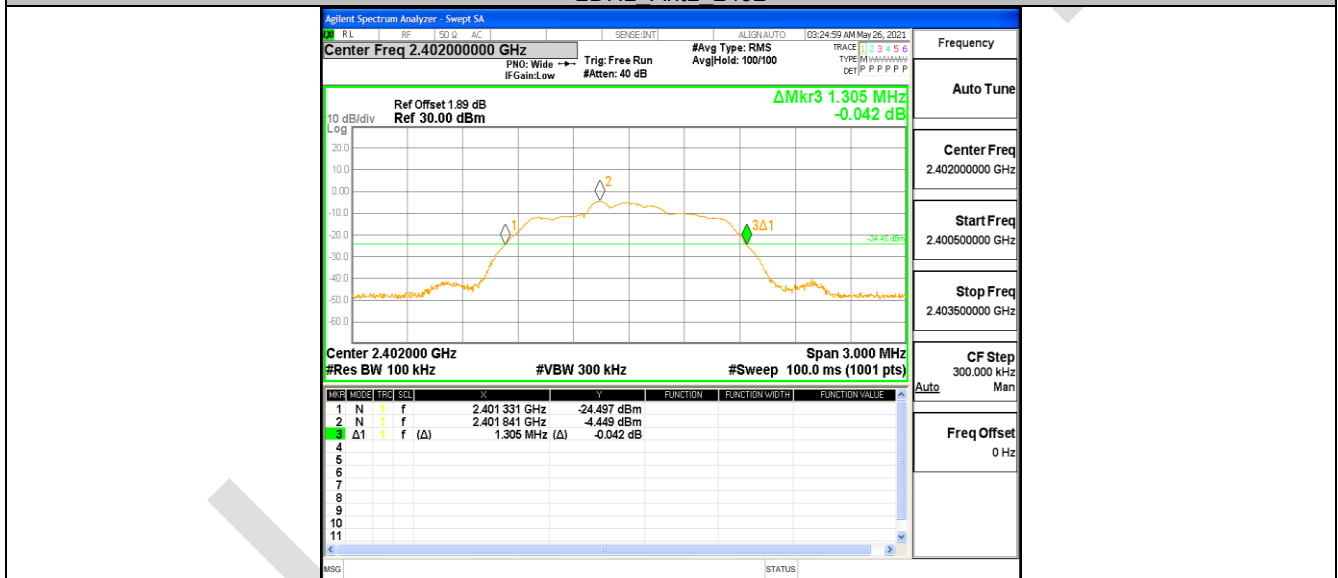
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.092	2401.445	2402.537	---	PASS
		2441	1.089	2440.448	2441.537	---	PASS
		2480	1.092	2479.448	2480.540	---	PASS
2DH1	Ant1	2402	1.305	2401.331	2402.636	---	PASS
		2441	1.308	2440.331	2441.639	---	PASS
		2480	1.311	2479.325	2480.636	---	PASS
3DH1	Ant1	2402	1.299	2401.343	2402.642	---	PASS
		2441	1.296	2440.346	2441.642	---	PASS
		2480	1.299	2479.343	2480.642	---	PASS

Test Graphs





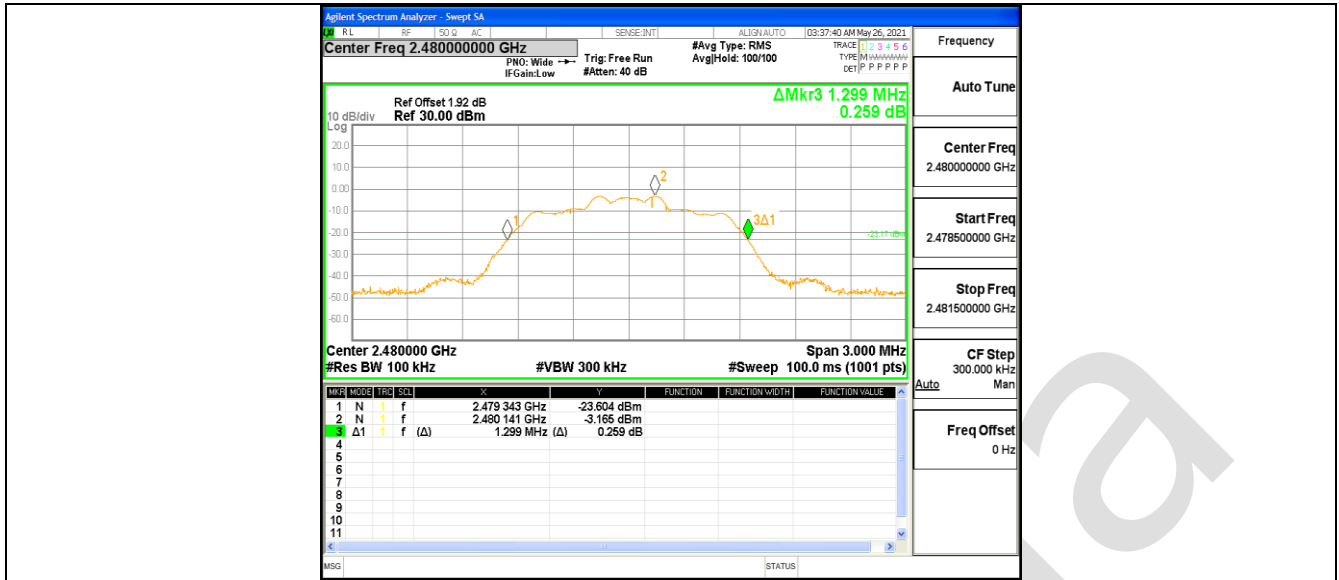
2DH1_Ant1_2402



2DH1_Ant1_2441





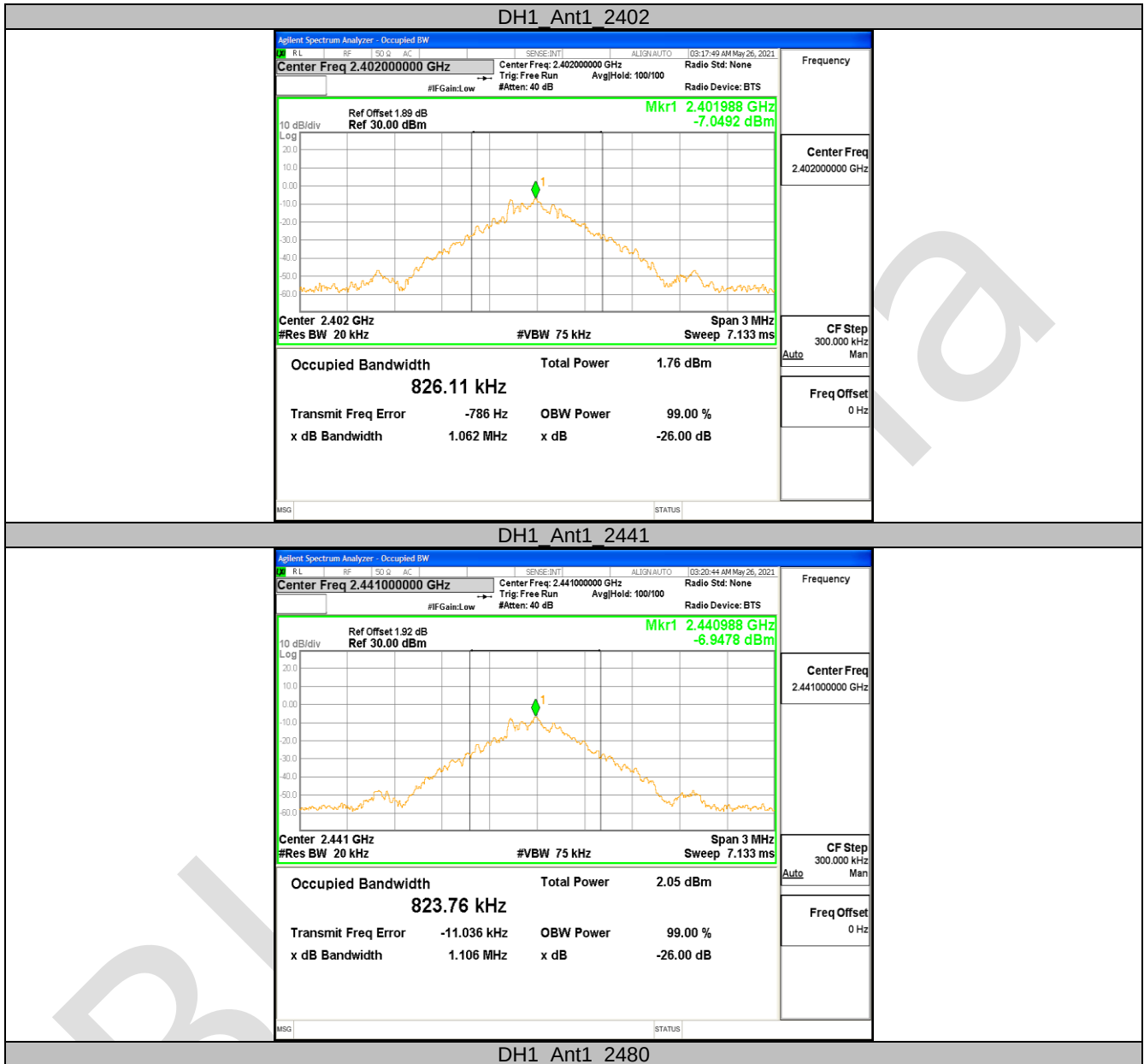


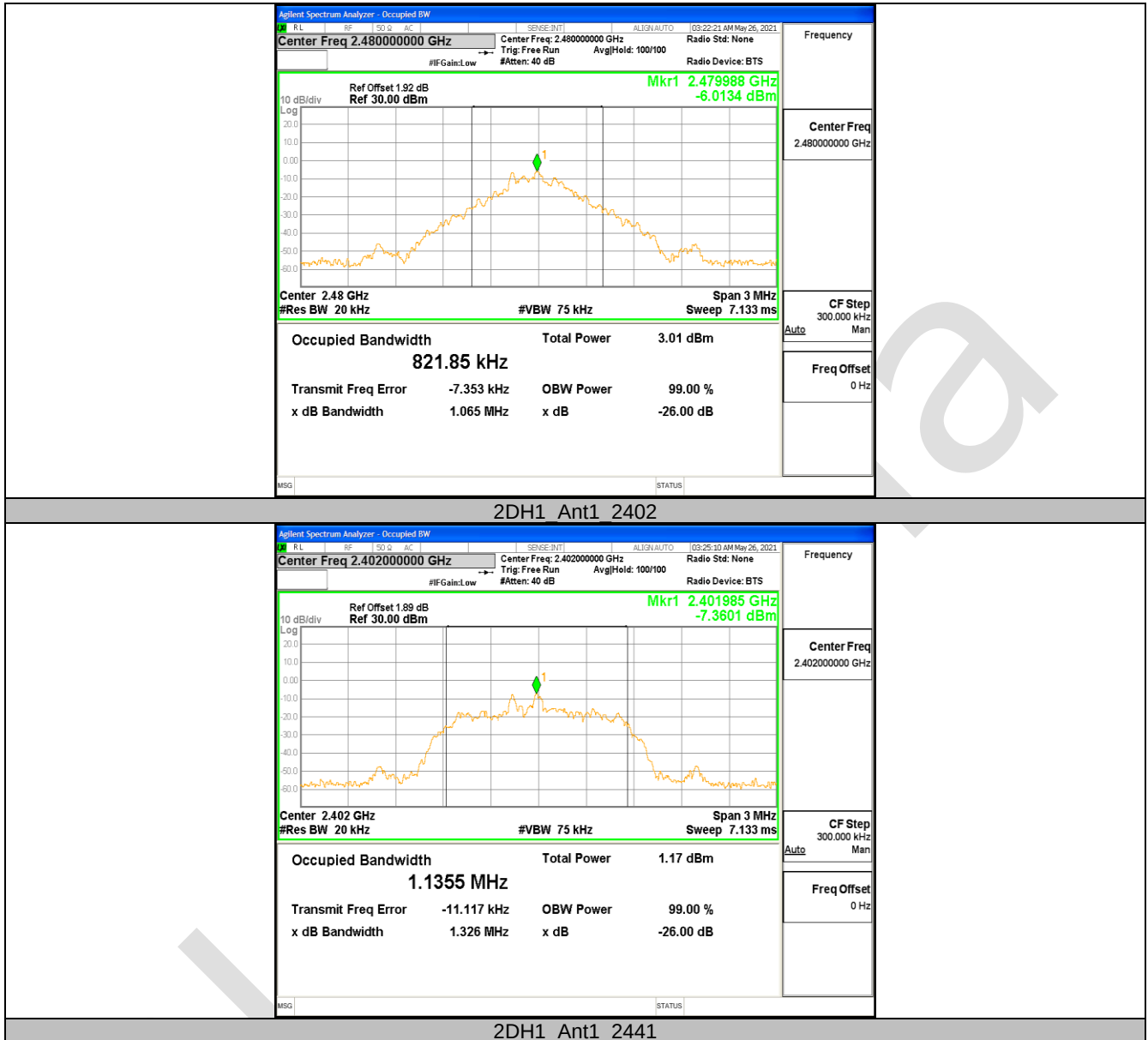
10.2 APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.82611	2401.586	2402.412	---	PASS
		2441	0.82376	2440.577	2441.401	---	PASS
		2480	0.82185	2479.582	2480.404	---	PASS
2DH1	Ant1	2402	1.1355	2401.421	2402.557	---	PASS
		2441	1.1353	2440.420	2441.556	---	PASS
		2480	1.1361	2479.418	2480.554	---	PASS
3DH1	Ant1	2402	1.1178	2401.440	2402.558	---	PASS
		2441	1.1157	2440.439	2441.555	---	PASS
		2480	1.1228	2479.436	2480.559	---	PASS

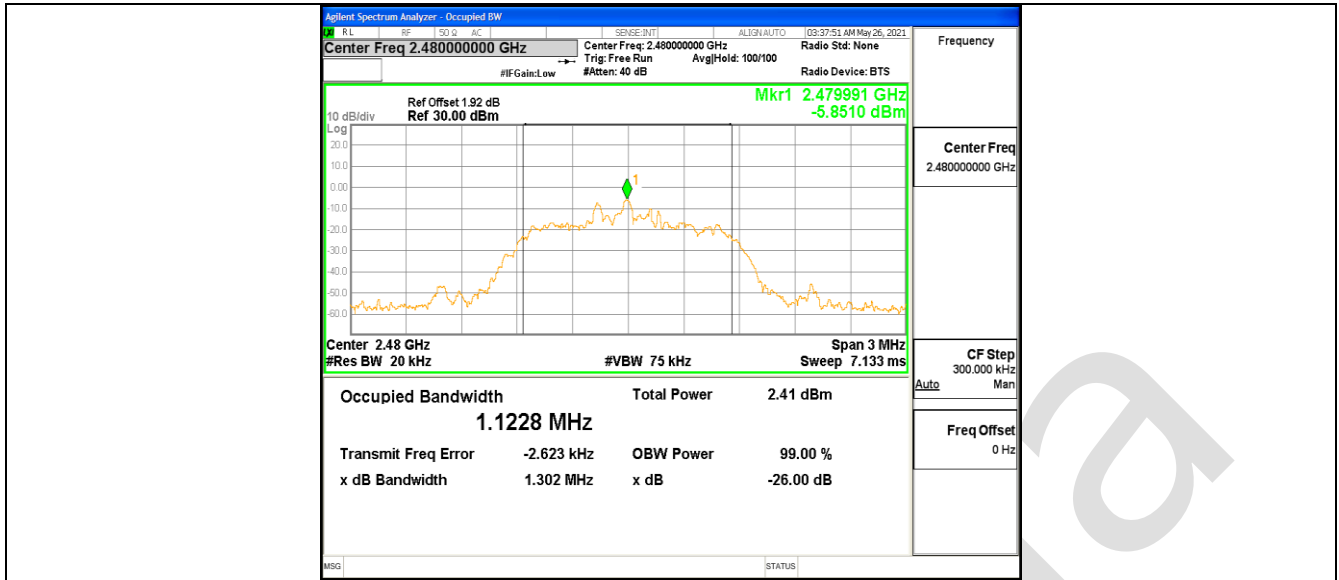
Test Graphs











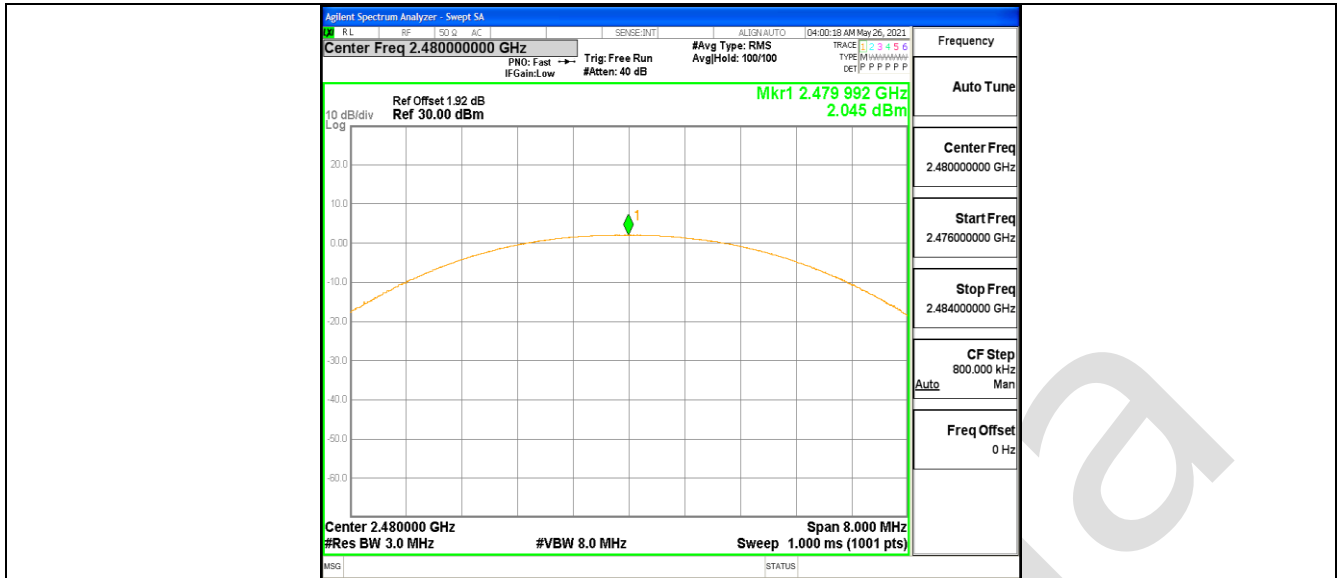
10.3 APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

Test Result

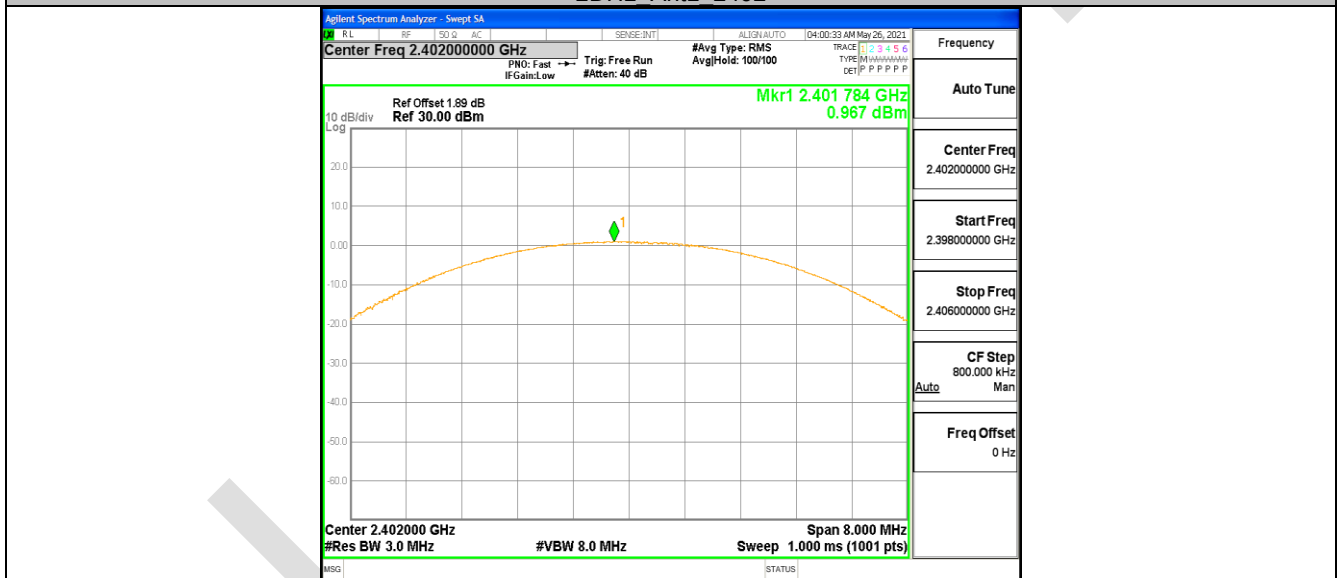
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	1.07	<=20.97	PASS
		2441	1.07	<=20.97	PASS
		2480	2.05	<=20.97	PASS
2DH1	Ant1	2402	0.97	<=20.97	PASS
		2441	1.04	<=20.97	PASS
		2480	2.09	<=20.97	PASS
3DH1	Ant1	2402	1.32	<=20.97	PASS
		2441	1.29	<=20.97	PASS
		2480	2.27	<=20.97	PASS

Test Graphs

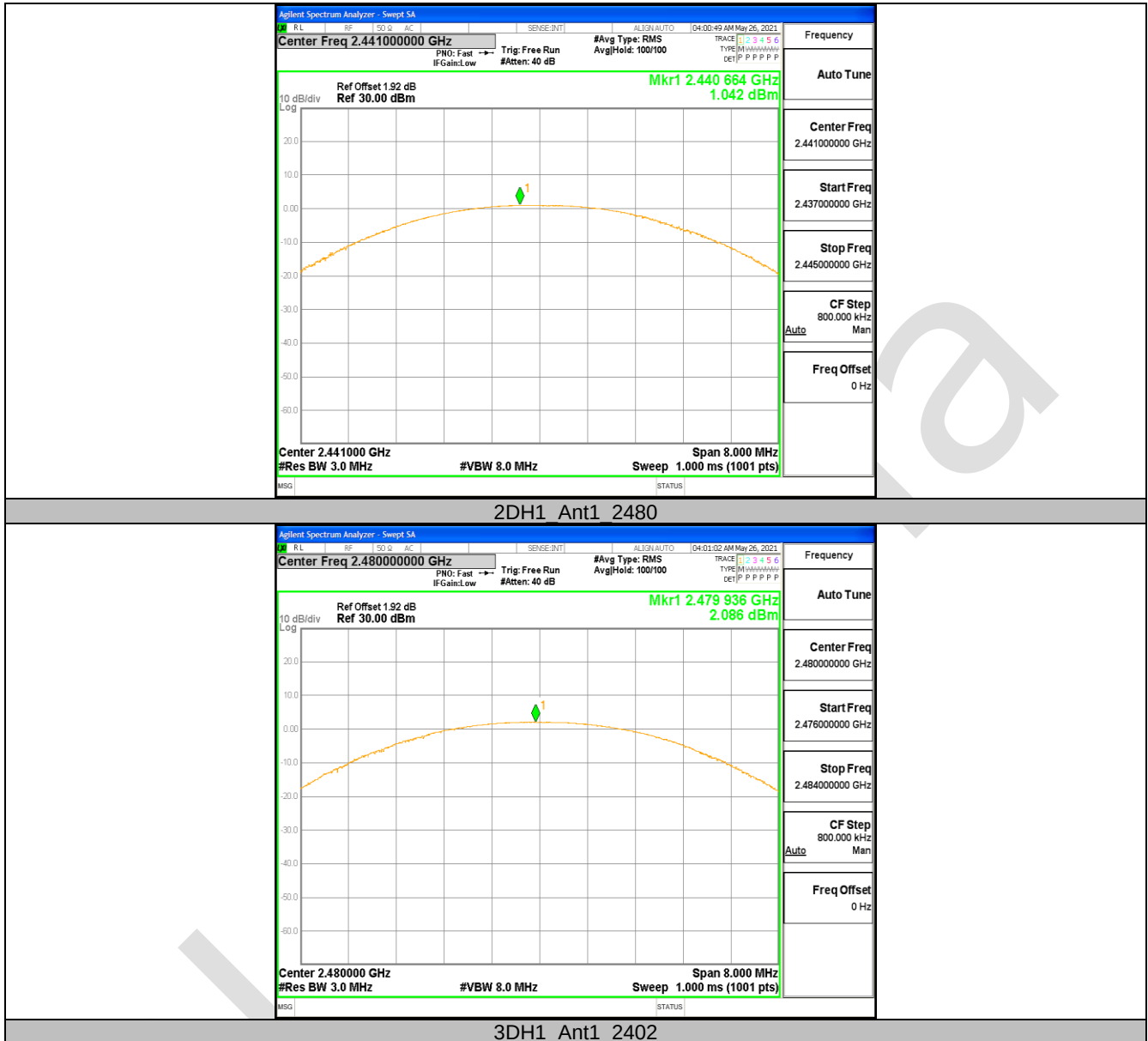


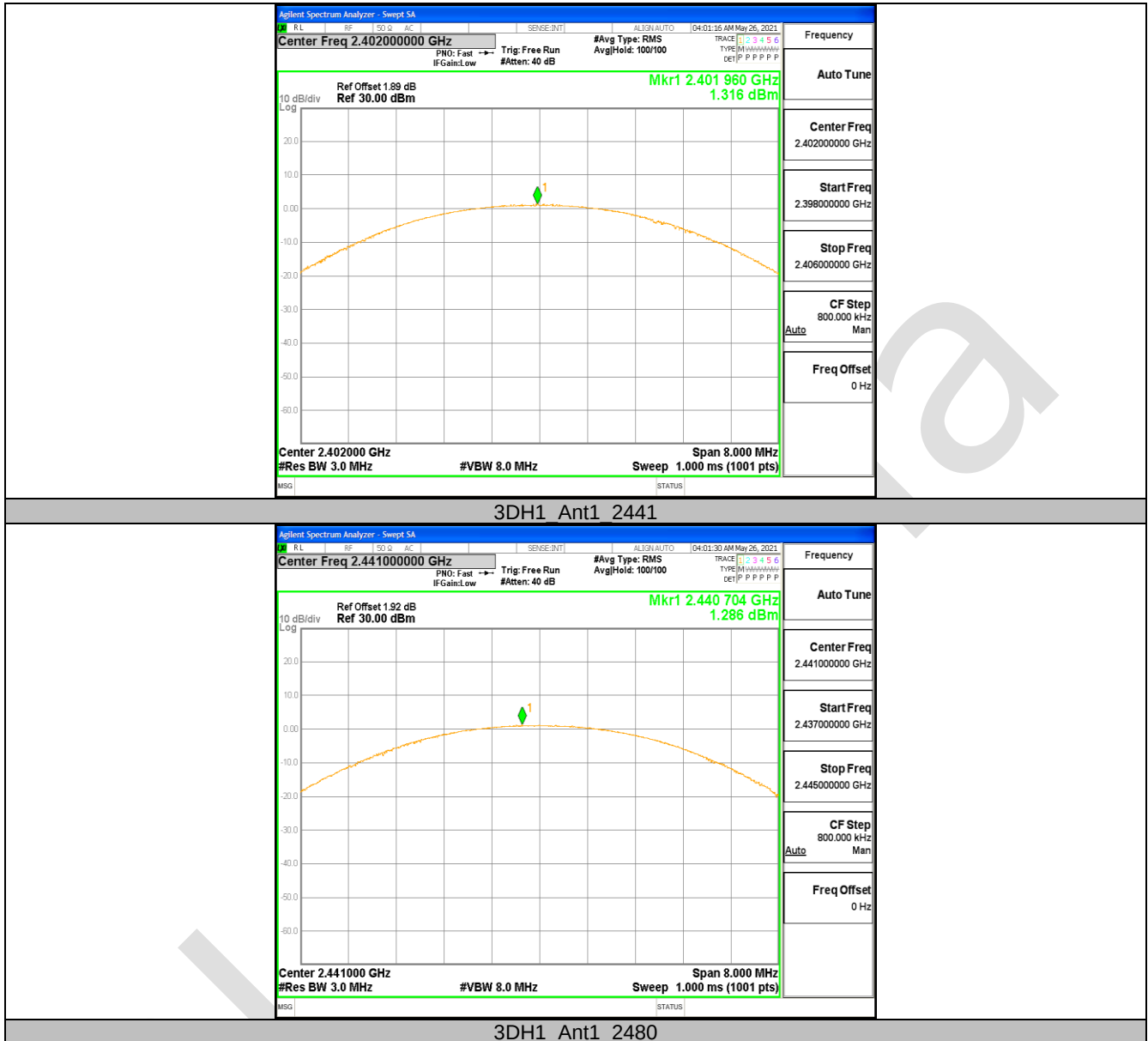


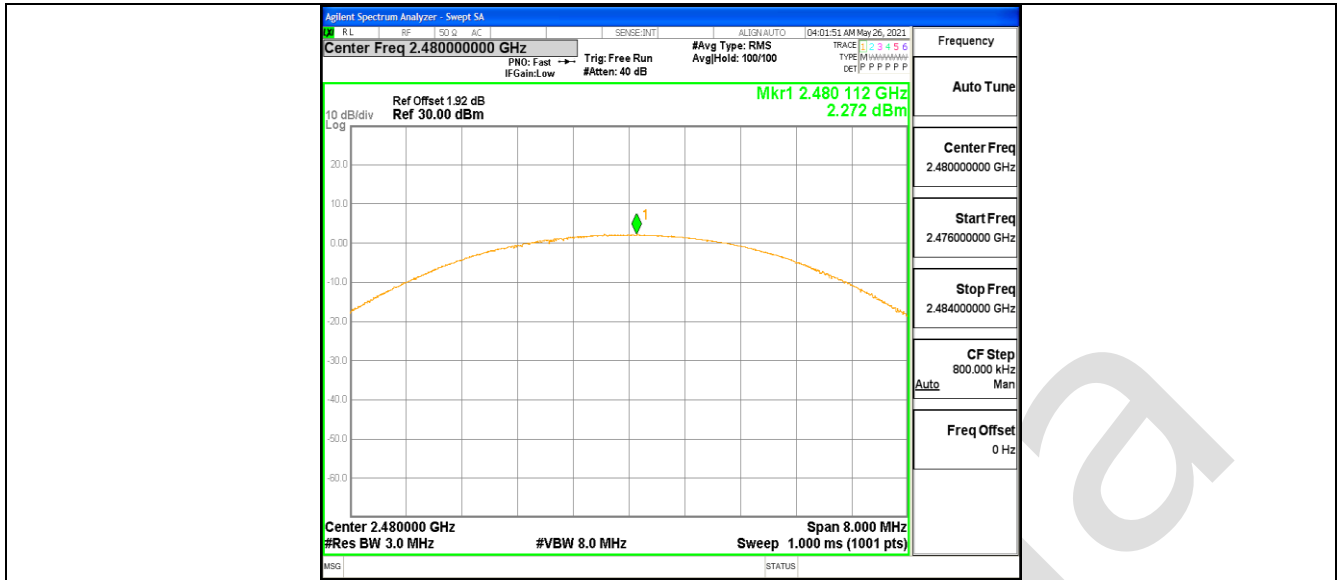
2DH1_Ant1_2402



2DH1_Ant1_2441





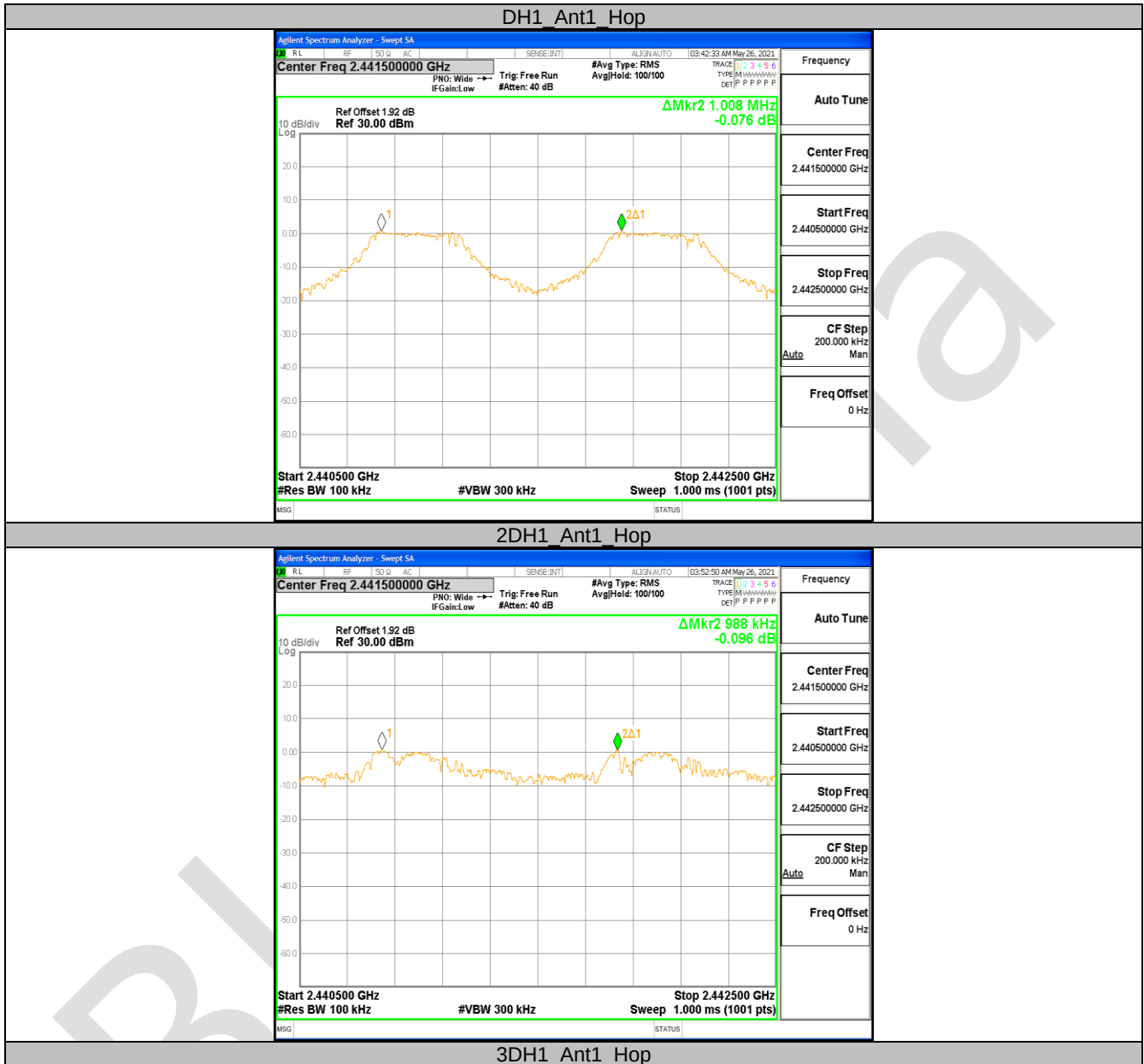


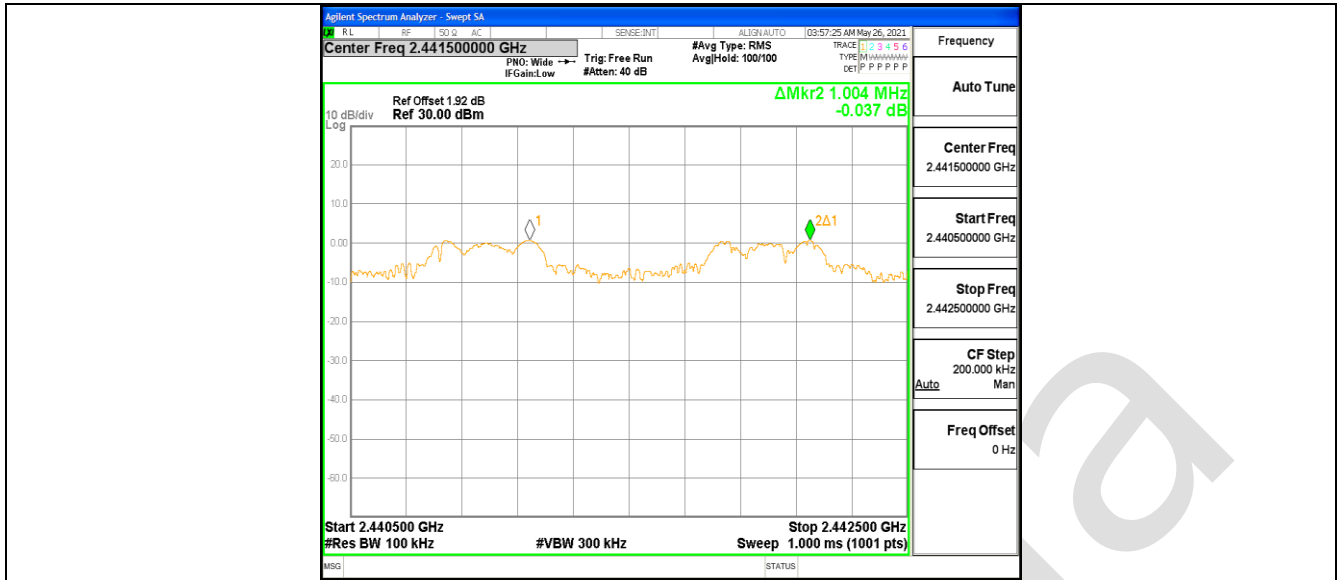
10.4 APPENDIX D: CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.008	≥ 0.728	PASS
2DH1	Ant1	Hop	0.988	≥ 0.874	PASS
3DH1	Ant1	Hop	1.004	≥ 0.866	PASS

Test Graphs

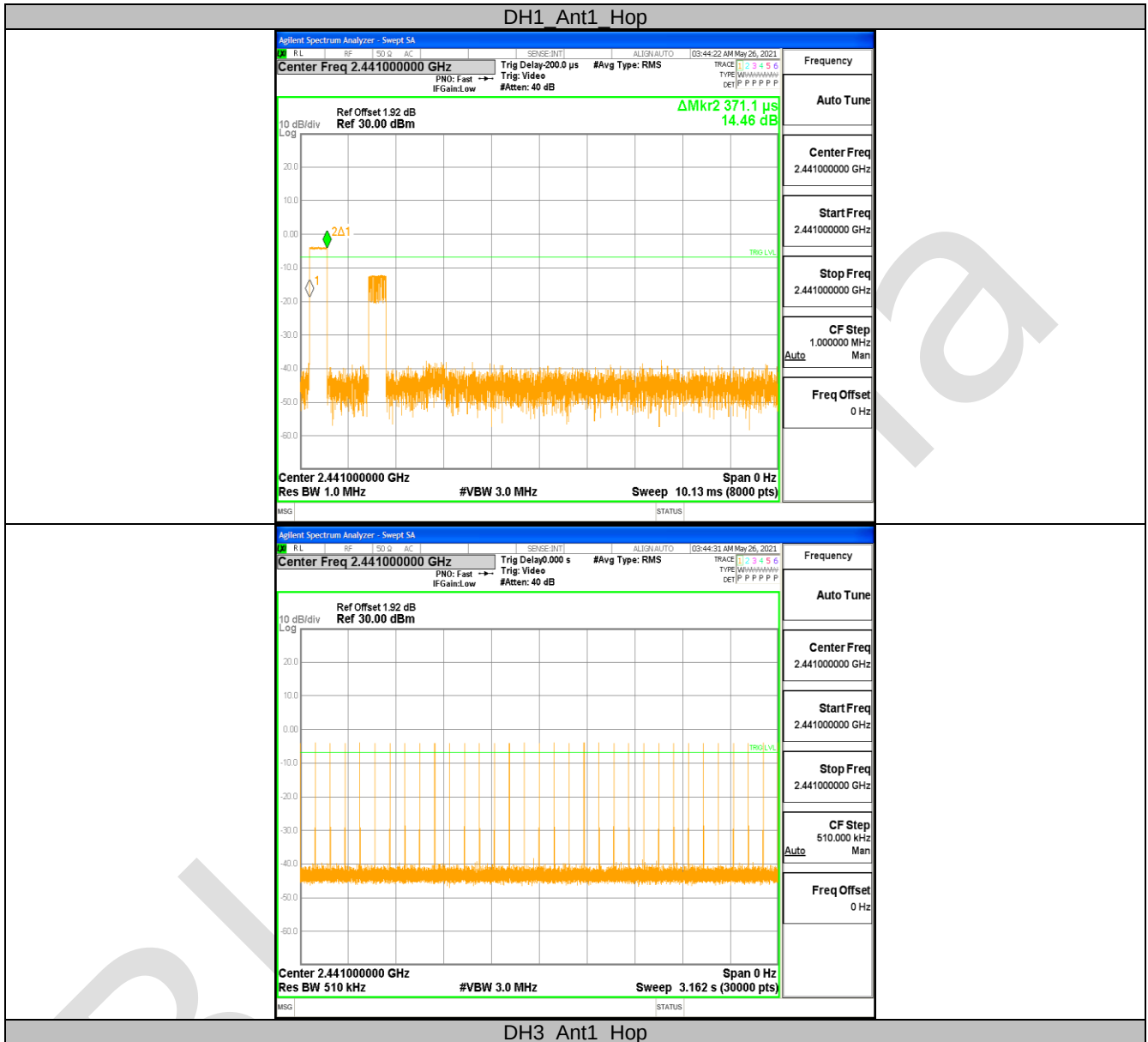




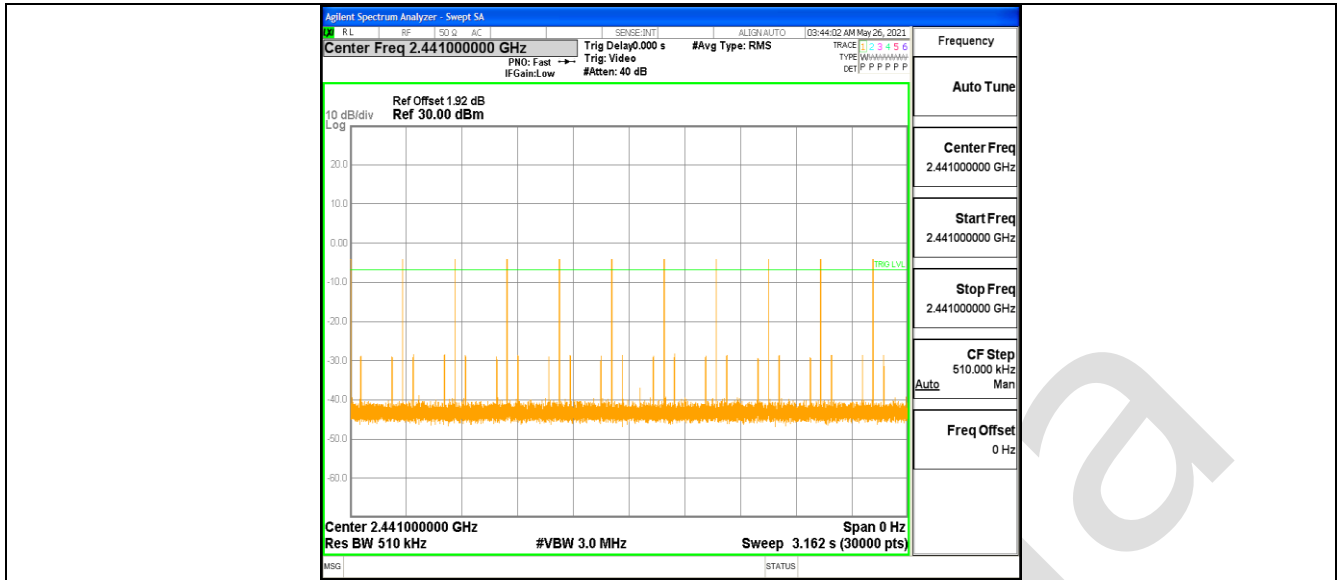
10.5 APPENDIX E: TIME OF OCCUPANCY**Test Result**

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	<=0.4	PASS
DH3	Ant1	Hop	1.62	170	0.275	<=0.4	PASS
DH5	Ant1	Hop	2.87	110	0.315	<=0.4	PASS

Test Graphs





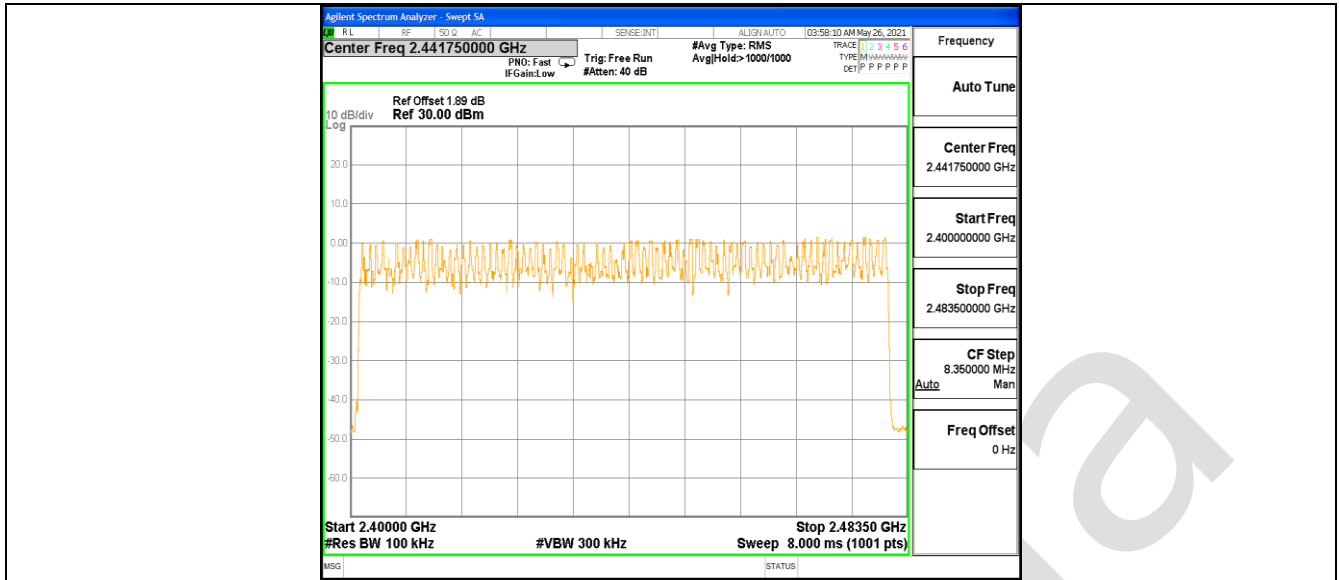


10.6 APPENDIX F: NUMBER OF HOPPING CHANNELS**Test Result**

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





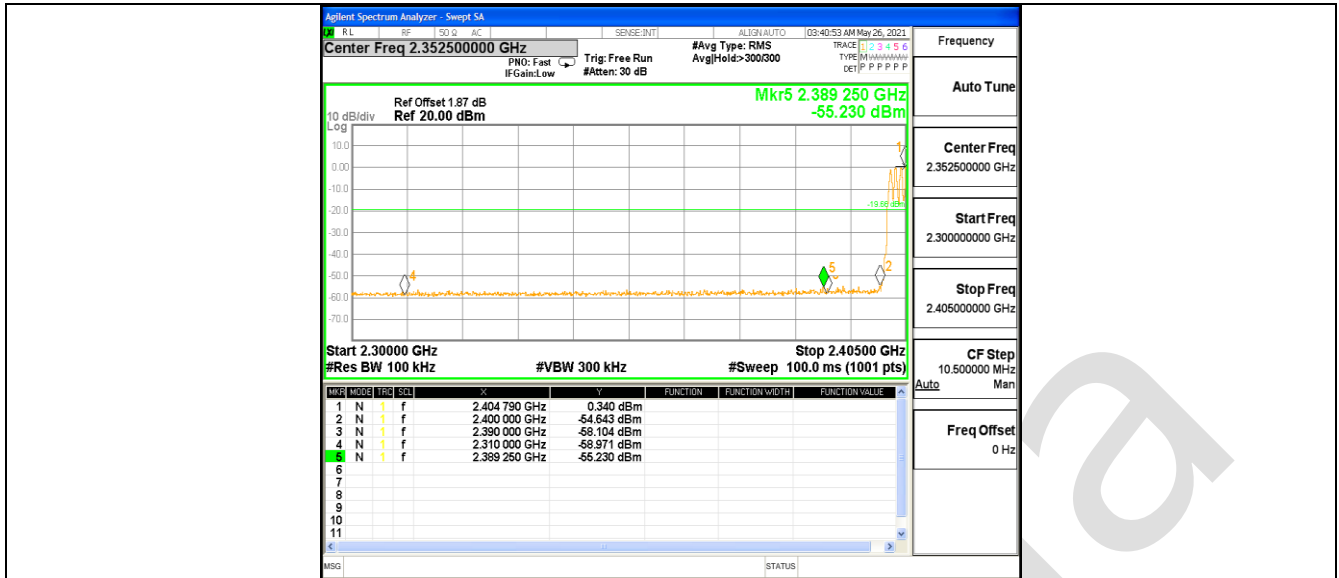
10.7 APPENDIX G: BAND EDGE MEASUREMENTS

Test Result

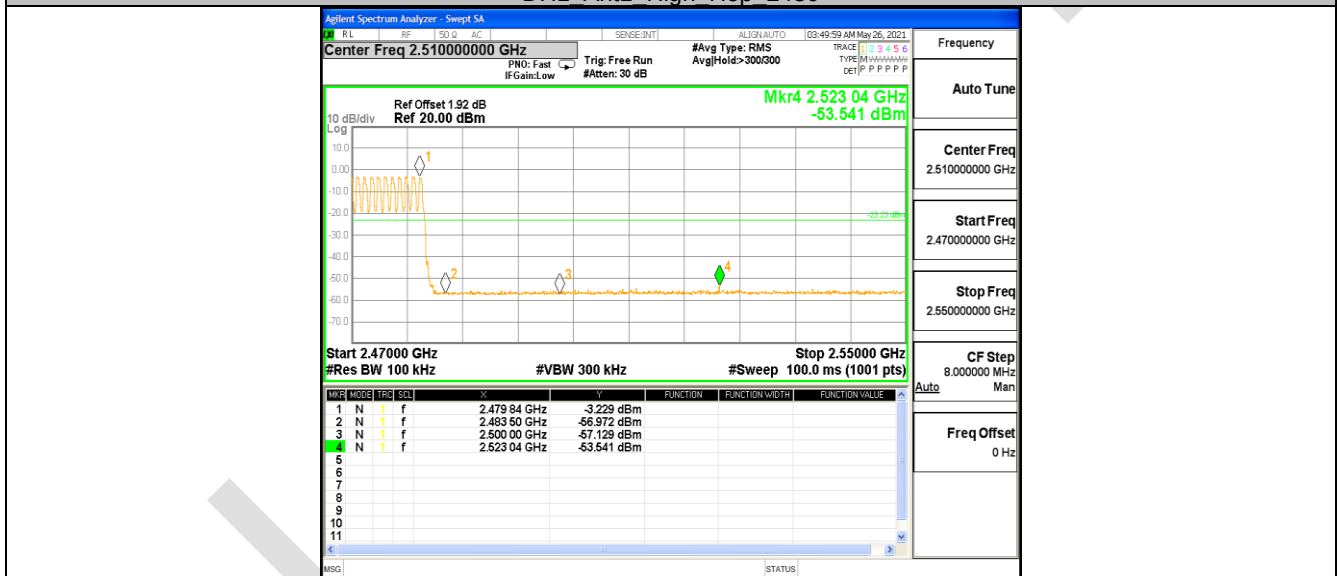
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-4.49	-55.61	<=-24.49	PASS
		High	2480	-3.29	-54.96	<=-23.29	PASS
		Low	Hop_2402	0.34	-55.23	<=-19.66	PASS
		High	Hop_2480	-3.23	-53.54	<=-23.23	PASS
2DH1	Ant1	Low	2402	-4.55	-55.22	<=-24.55	PASS
		High	2480	-3.34	-54.86	<=-23.34	PASS
		Low	Hop_2402	-1.97	-56.11	<=-21.97	PASS
		High	Hop_2480	0.03	-55.4	<=-19.97	PASS
3DH1	Ant1	Low	2402	-4.46	-55.29	<=-24.46	PASS
		High	2480	-3.18	-54.92	<=-23.18	PASS
		Low	Hop_2402	0.51	-55.82	<=-19.49	PASS
		High	Hop_2480	1.60	-55.16	<=-18.4	PASS

Test Graphs

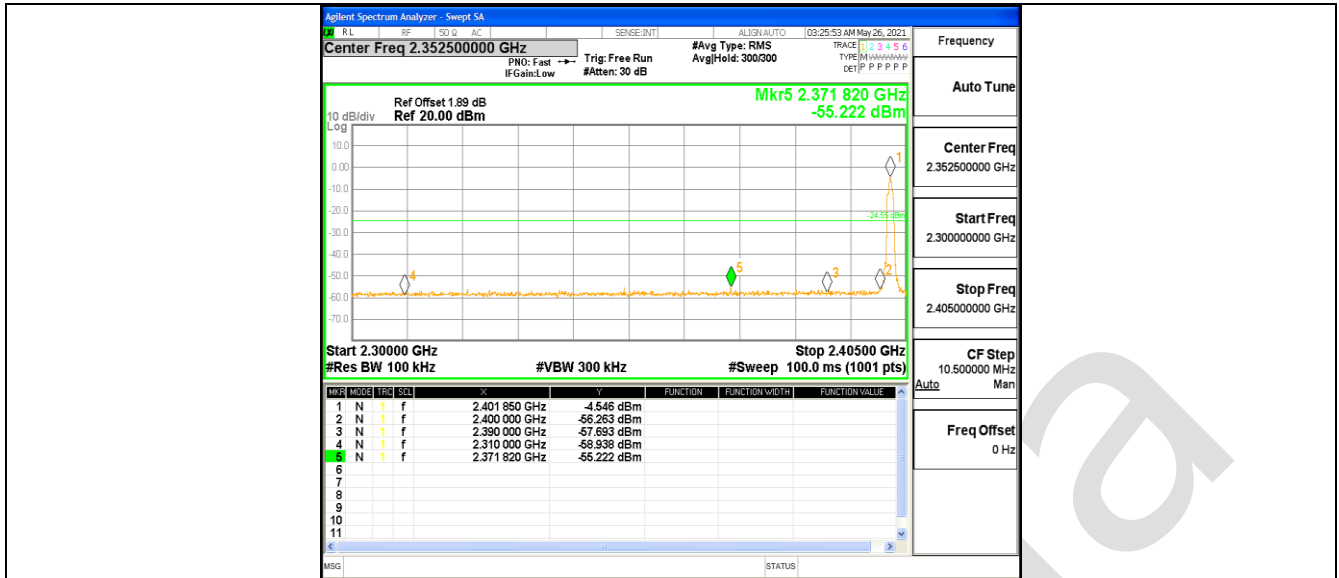




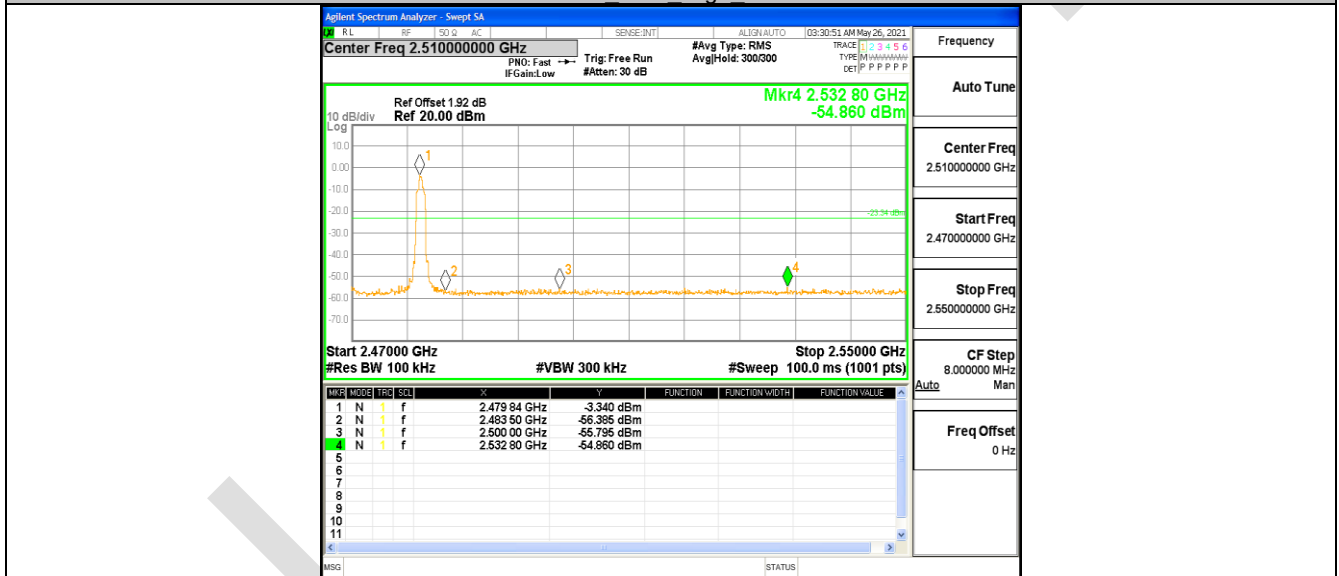
DH1 Ant1 High Hop 2480



2DH1 Ant1 Low 2402

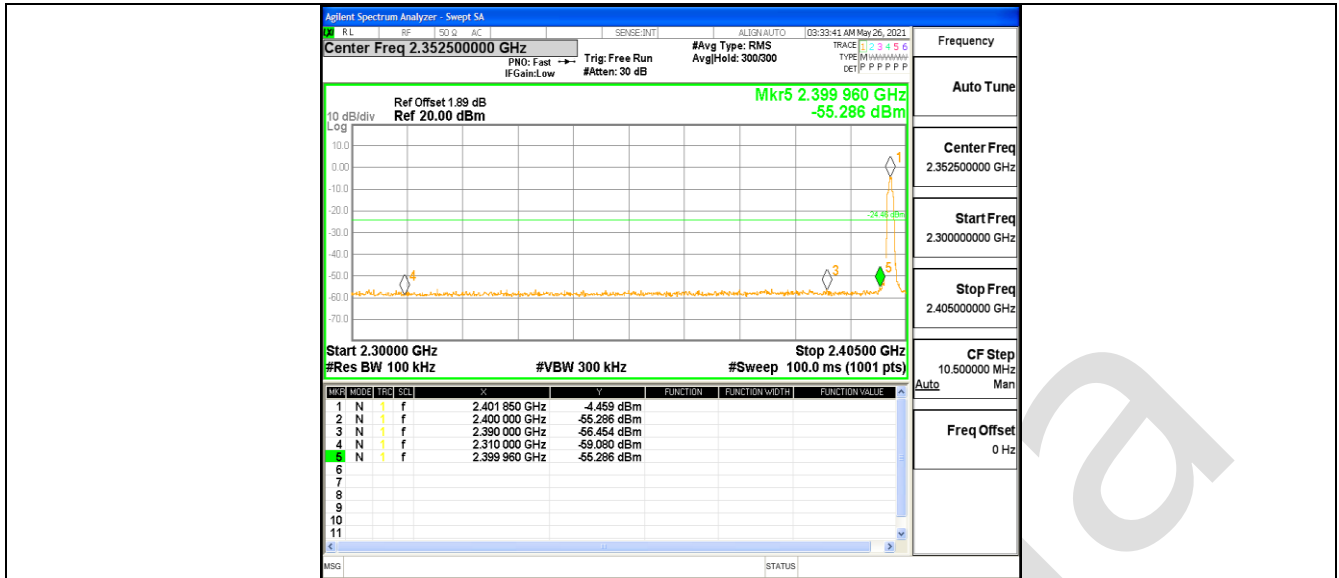


2DH1 Ant1 High 2480

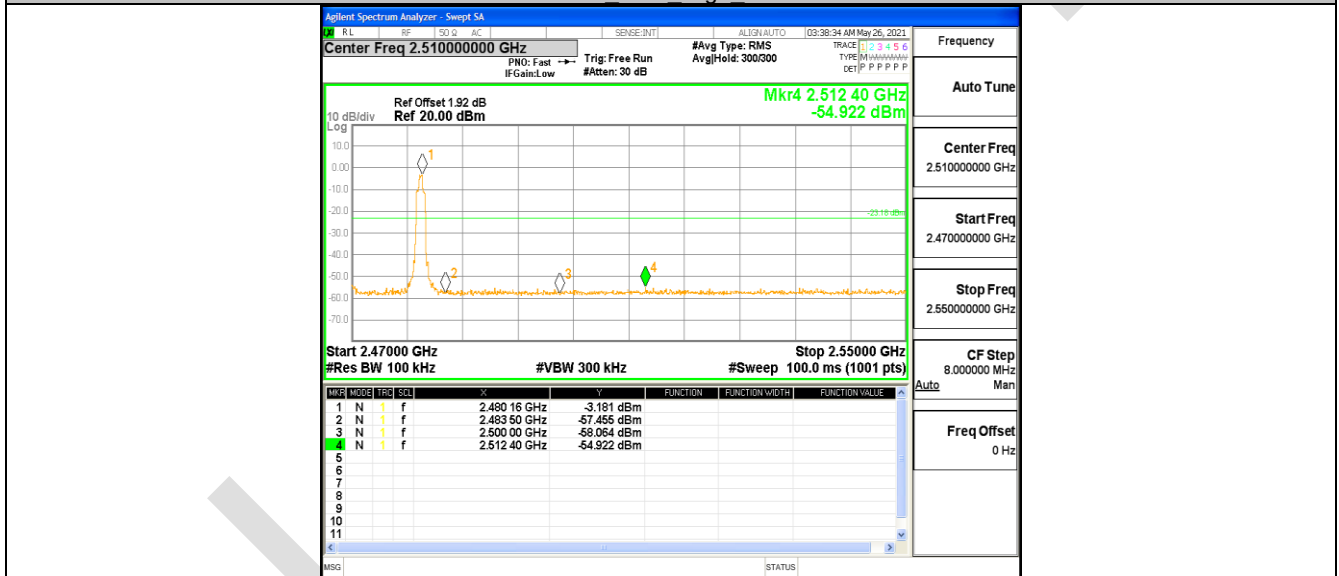


2DH1 Ant1 Low Hop 2402





3DH1 Ant1 High 2480



3DH1 Ant1 Low Hop 2402



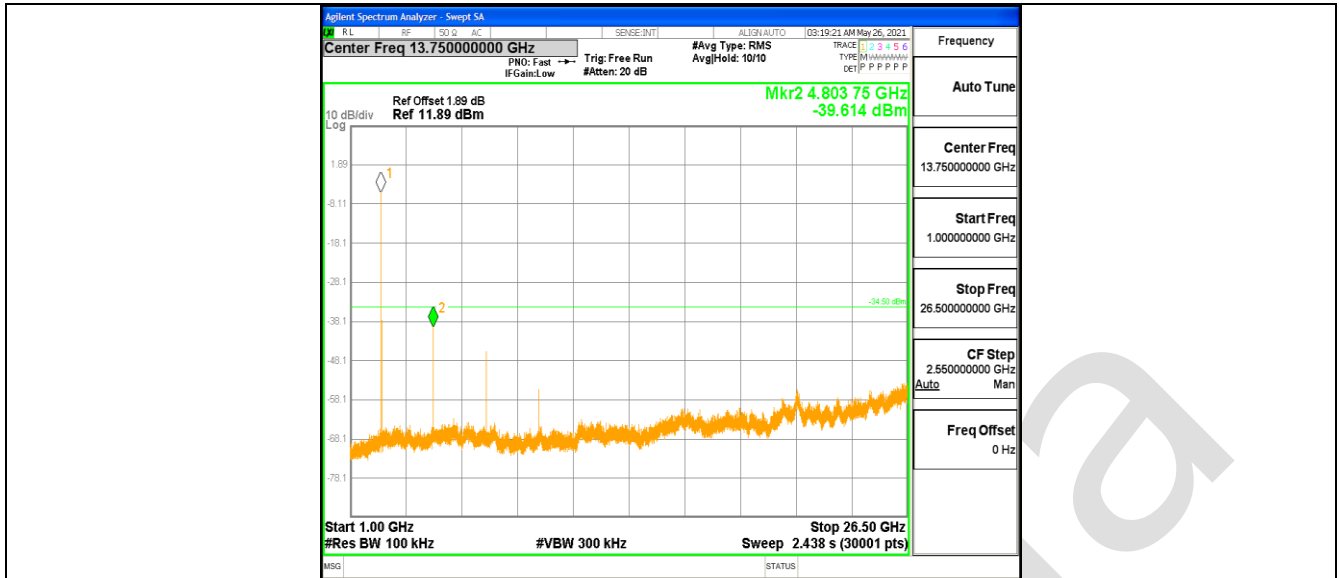
10.8 APPENDIX H: CONDUCTED SPURIOUS EMISSION

Test Result

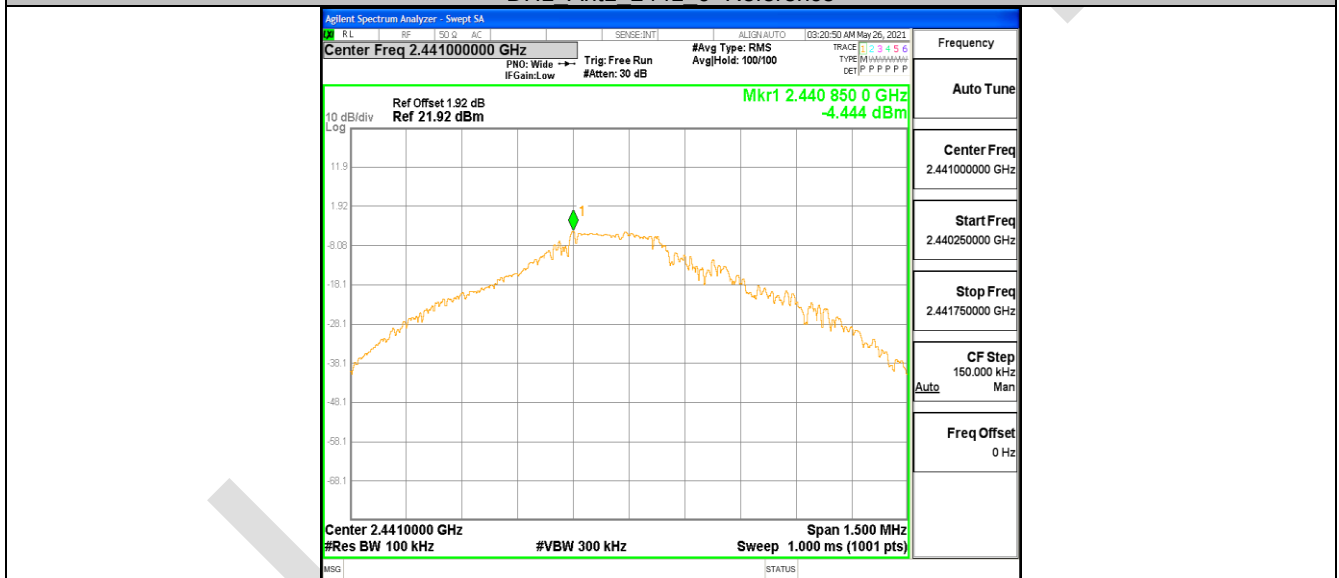
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-67.37	<=-34.5	PASS
			1000~26500	-4.50	-39.61	<=-34.5	PASS
		2441	Reference	-4.44	-4.44	---	PASS
			30~1000	-4.44	-67.86	<=-34.44	PASS
			1000~26500	-4.44	-41.4	<=-34.44	PASS
		2480	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-68.07	<=-33.29	PASS
			1000~26500	-3.29	-42.37	<=-33.29	PASS
2DH1	Ant1	2402	Reference	-4.59	-4.59	---	PASS
			30~1000	-4.59	-67.47	<=-34.59	PASS
			1000~26500	-4.59	-51.21	<=-34.59	PASS
		2441	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-67.78	<=-34.35	PASS
			1000~26500	-4.35	-38.97	<=-34.35	PASS
		2480	Reference	-3.32	-3.32	---	PASS
			30~1000	-3.32	-67.6	<=-33.32	PASS
			1000~26500	-3.32	-40.44	<=-33.32	PASS
3DH1	Ant1	2402	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-67.13	<=-29.5	PASS
			1000~26500	0.50	-30.61	<=-29.5	PASS
		2441	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-68.46	<=-34.17	PASS
			1000~26500	-4.17	-40.89	<=-34.17	PASS
		2480	Reference	-3.23	-3.23	---	PASS
			30~1000	-3.23	-68.11	<=-33.23	PASS
			1000~26500	-3.23	-45.9	<=-33.23	PASS

Test Graphs

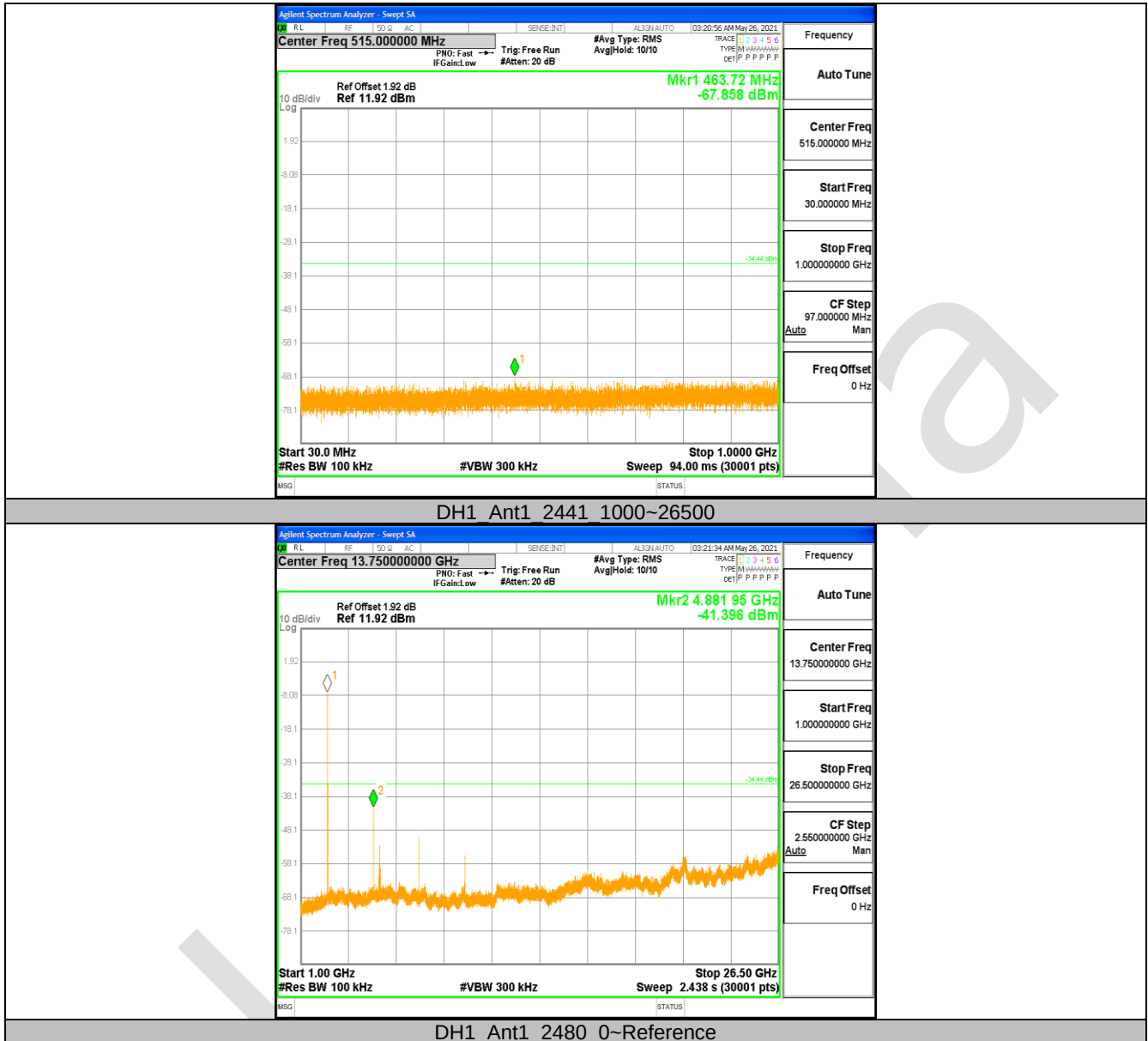


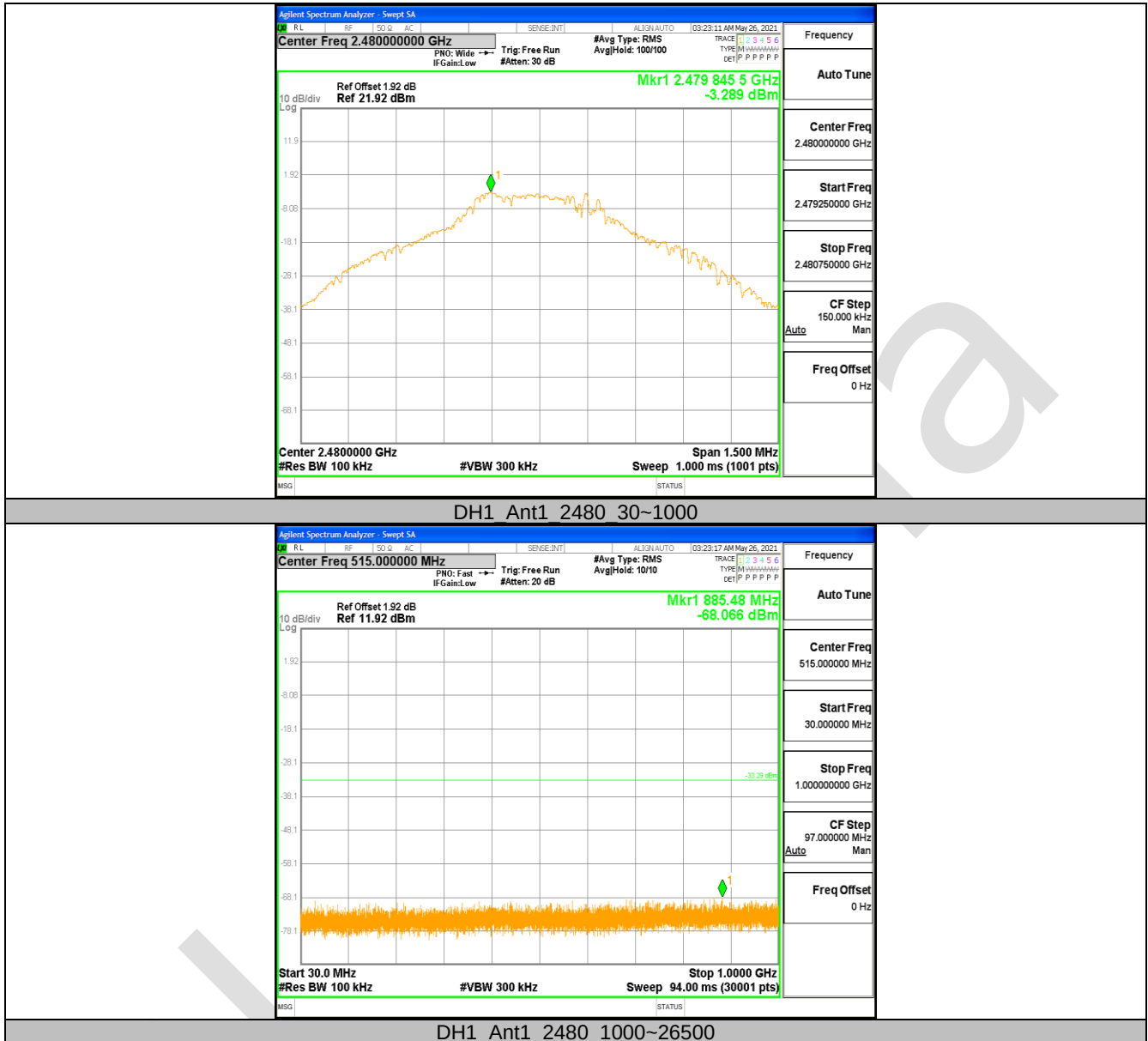


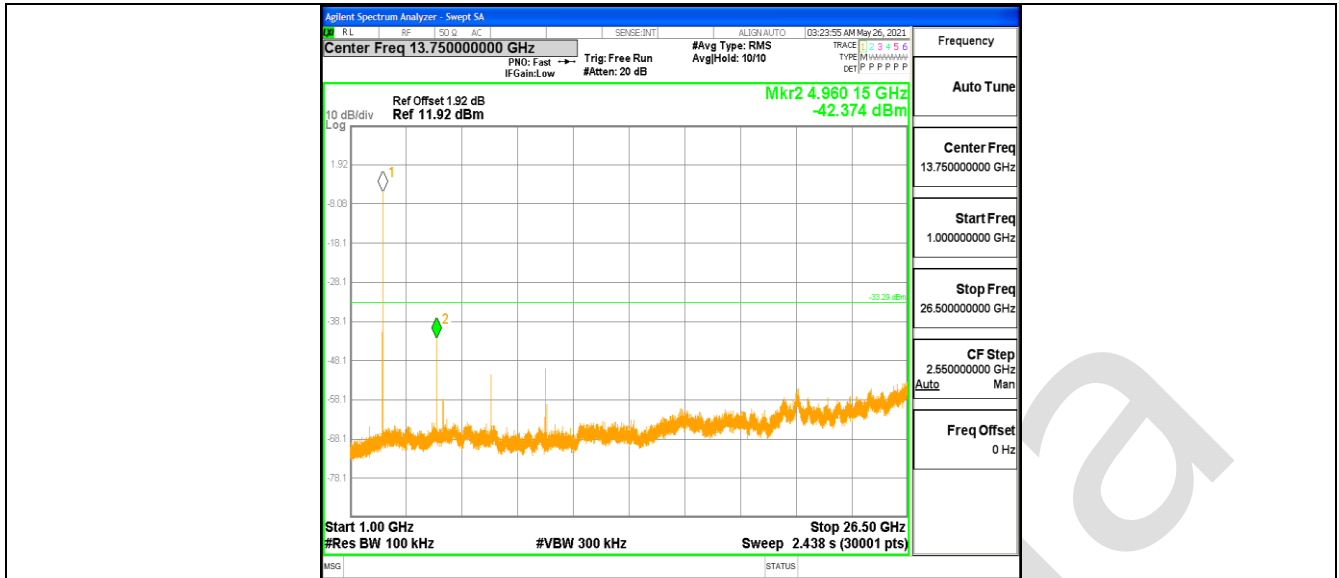
DH1_Ant1_2441_0-Reference



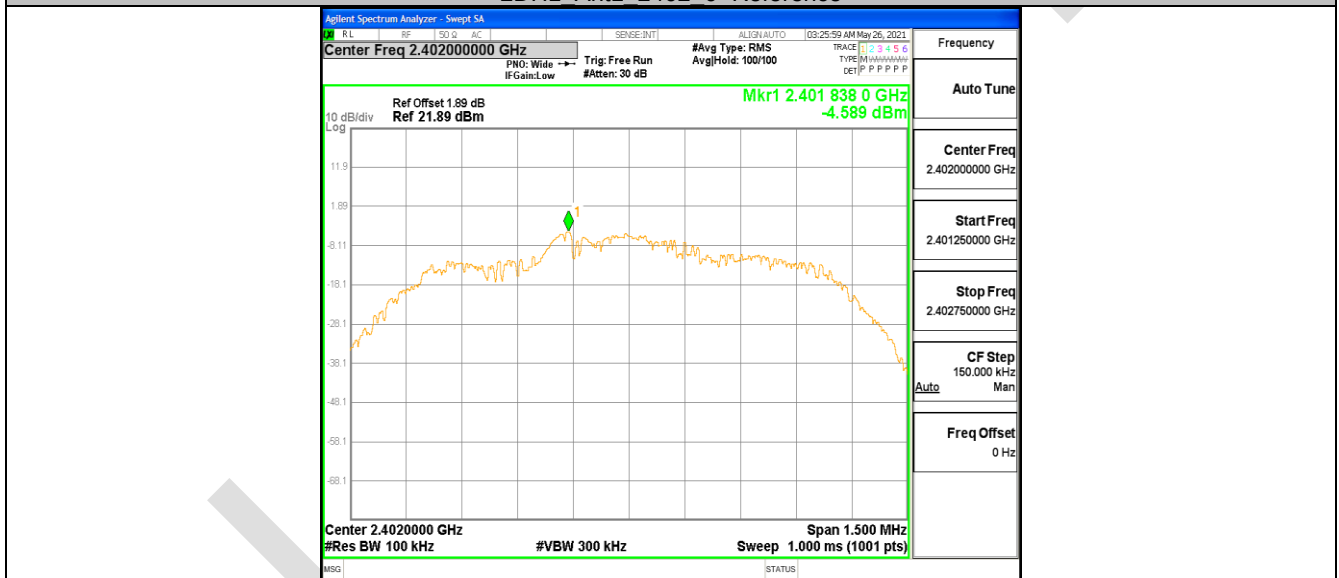
DH1_Ant1_2441_30~1000



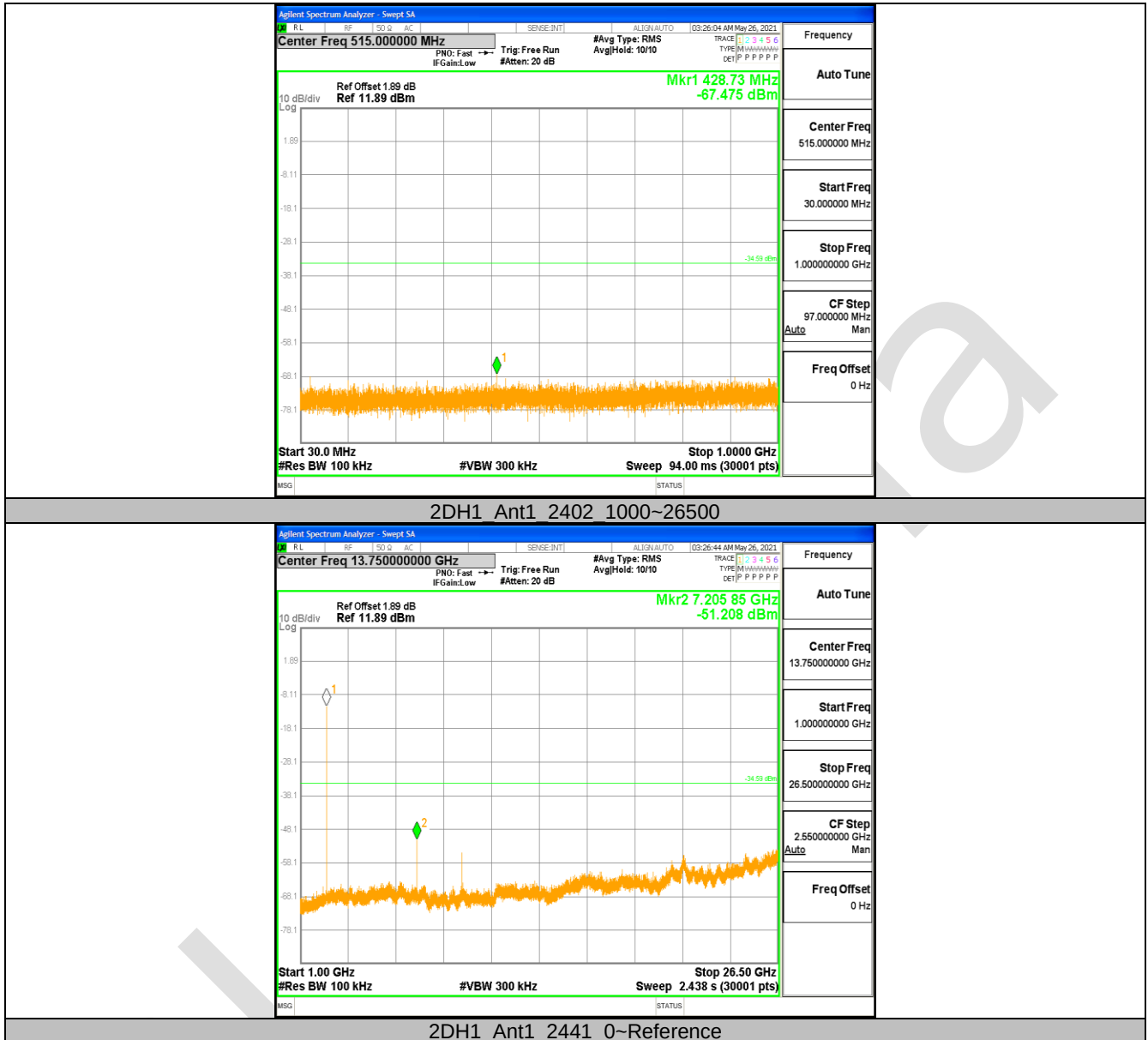


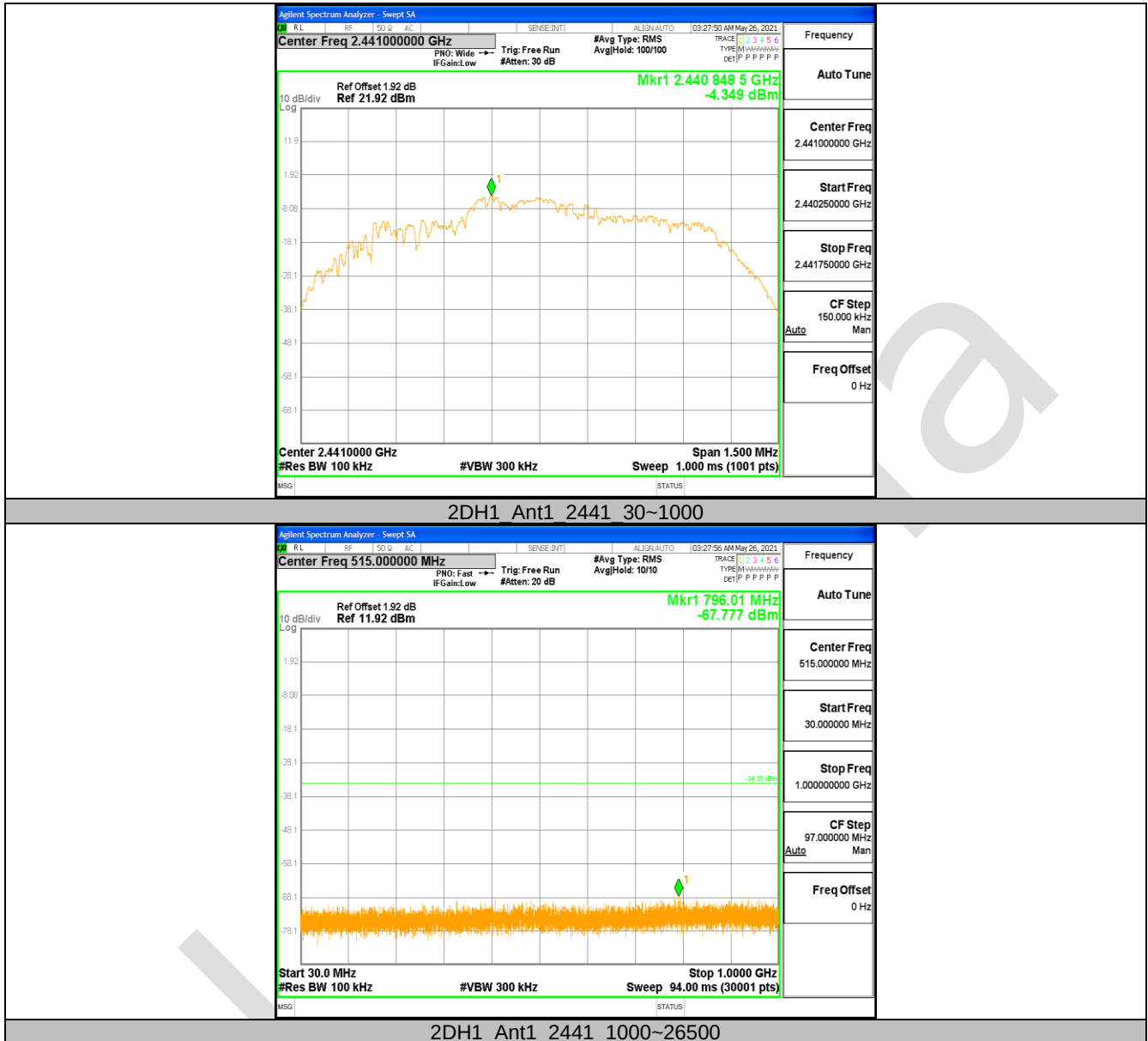


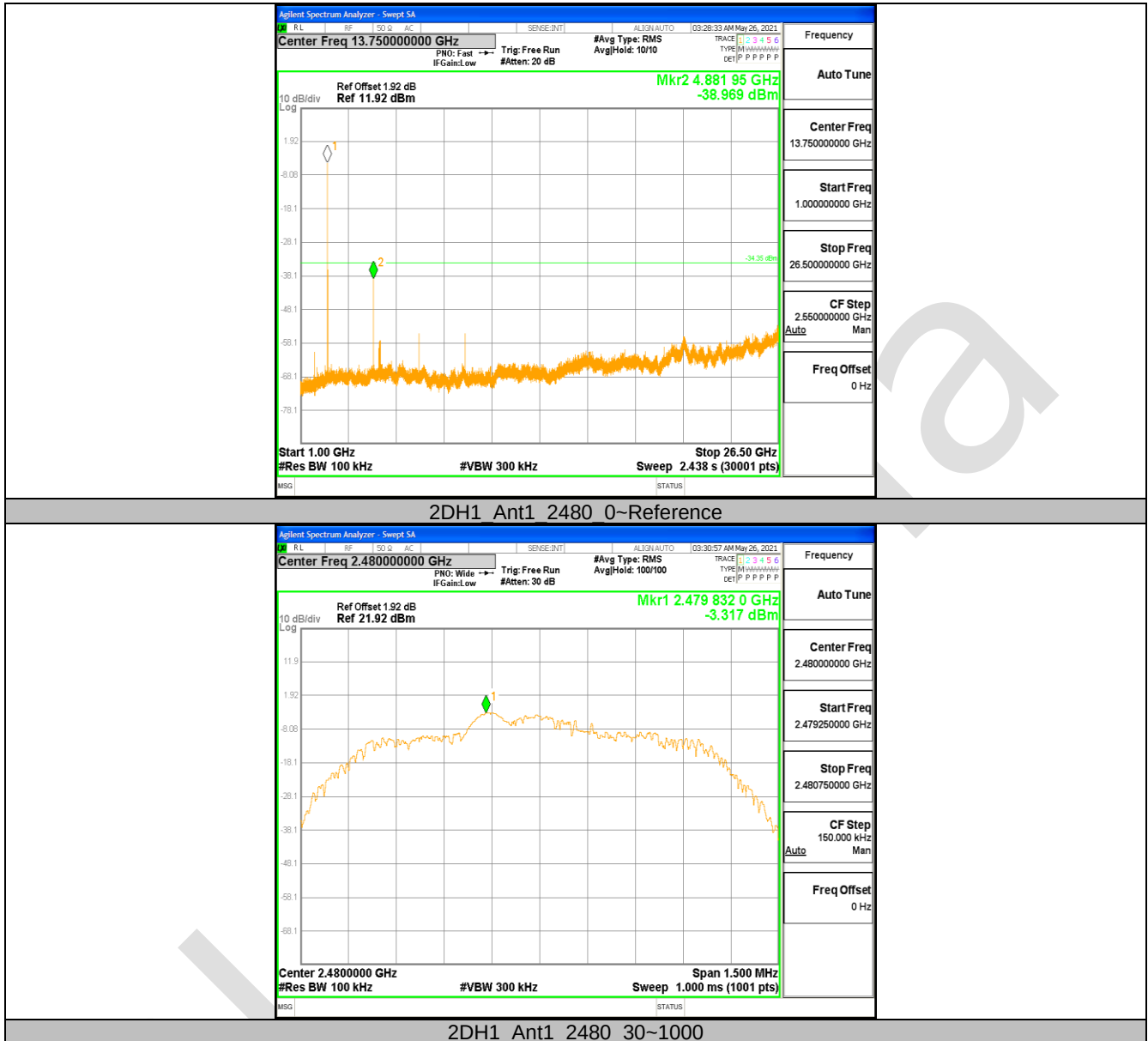
2DH1_Ant1_2402_0~Reference

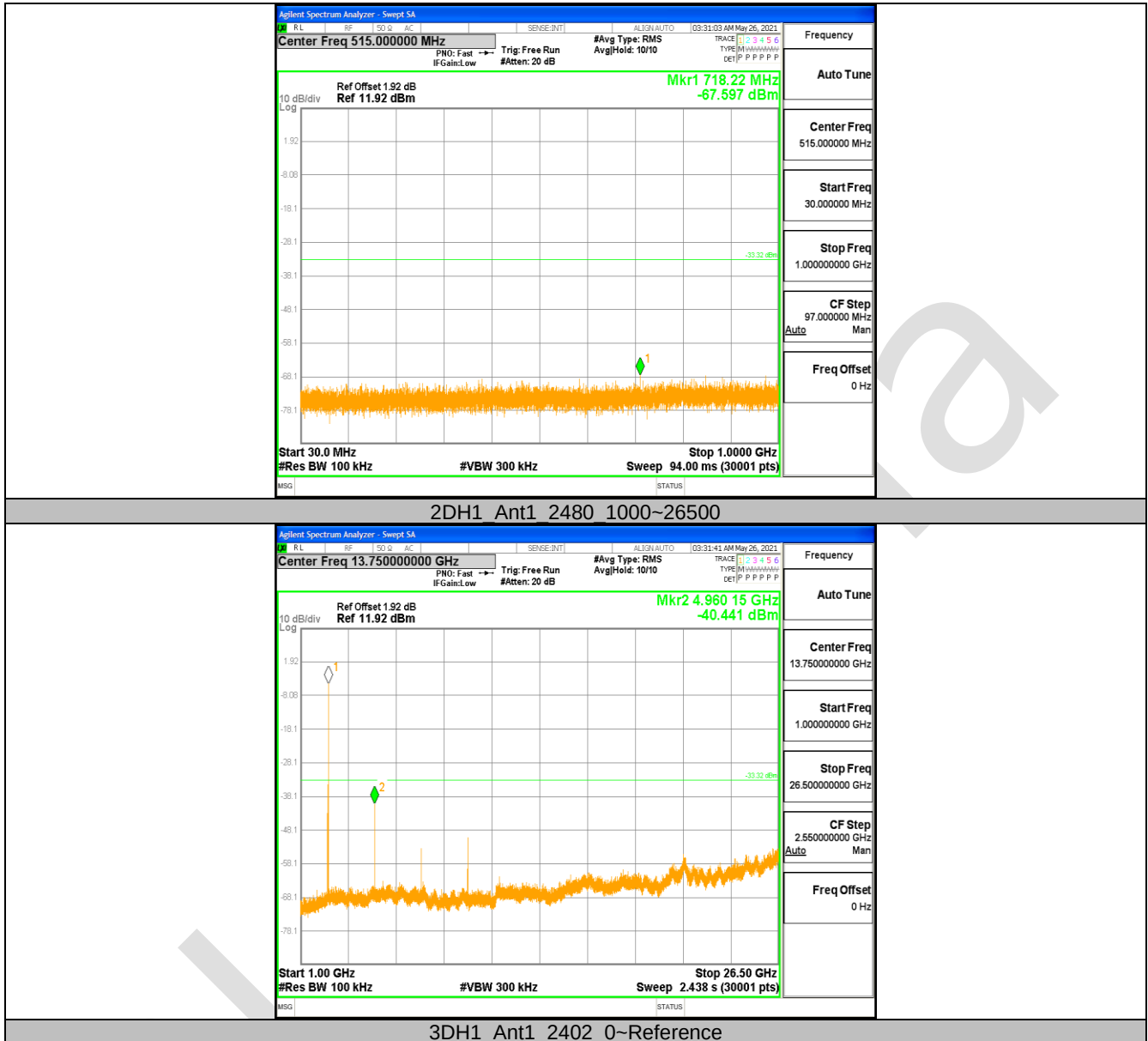


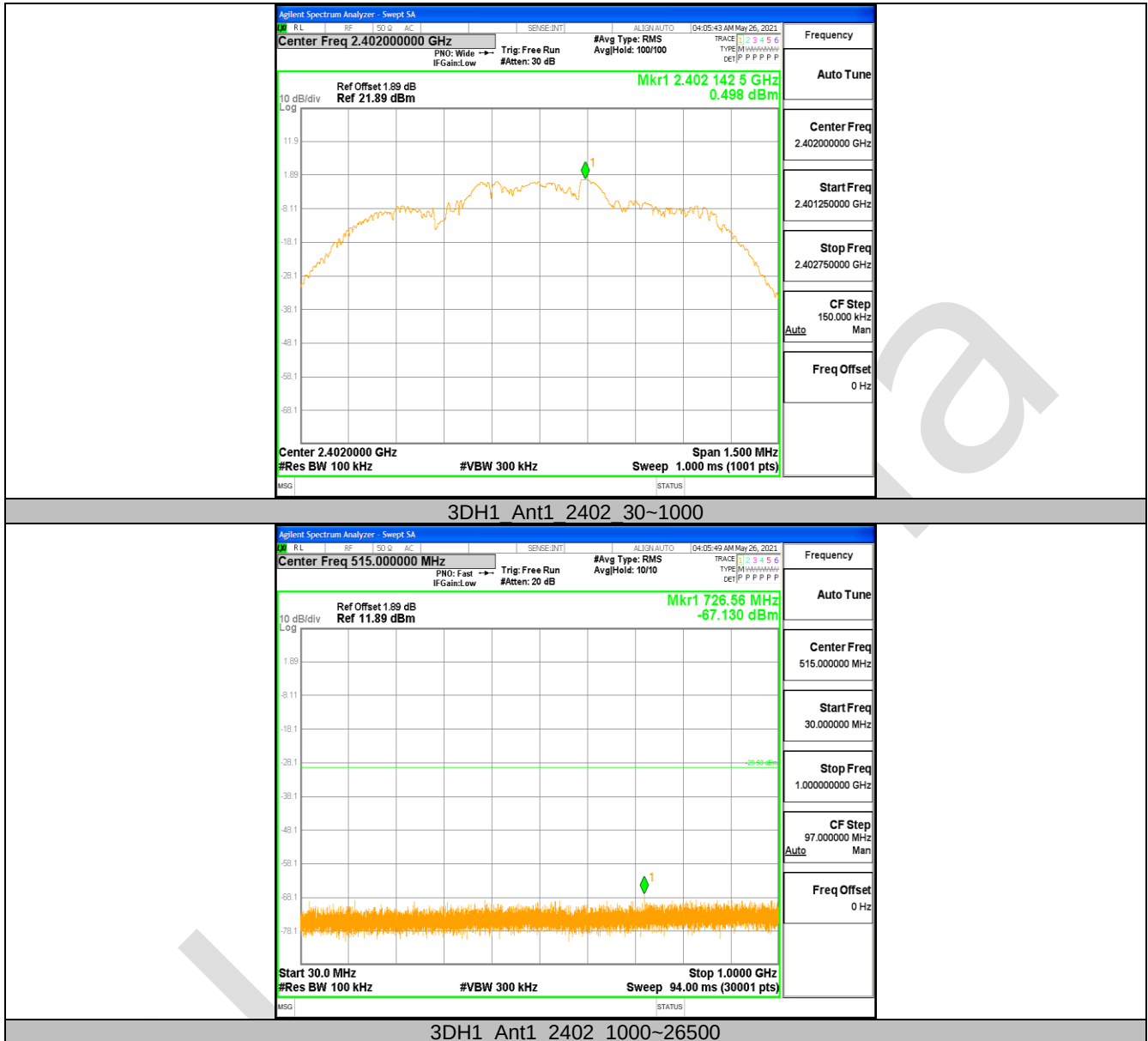
2DH1_Ant1_2402_30~1000

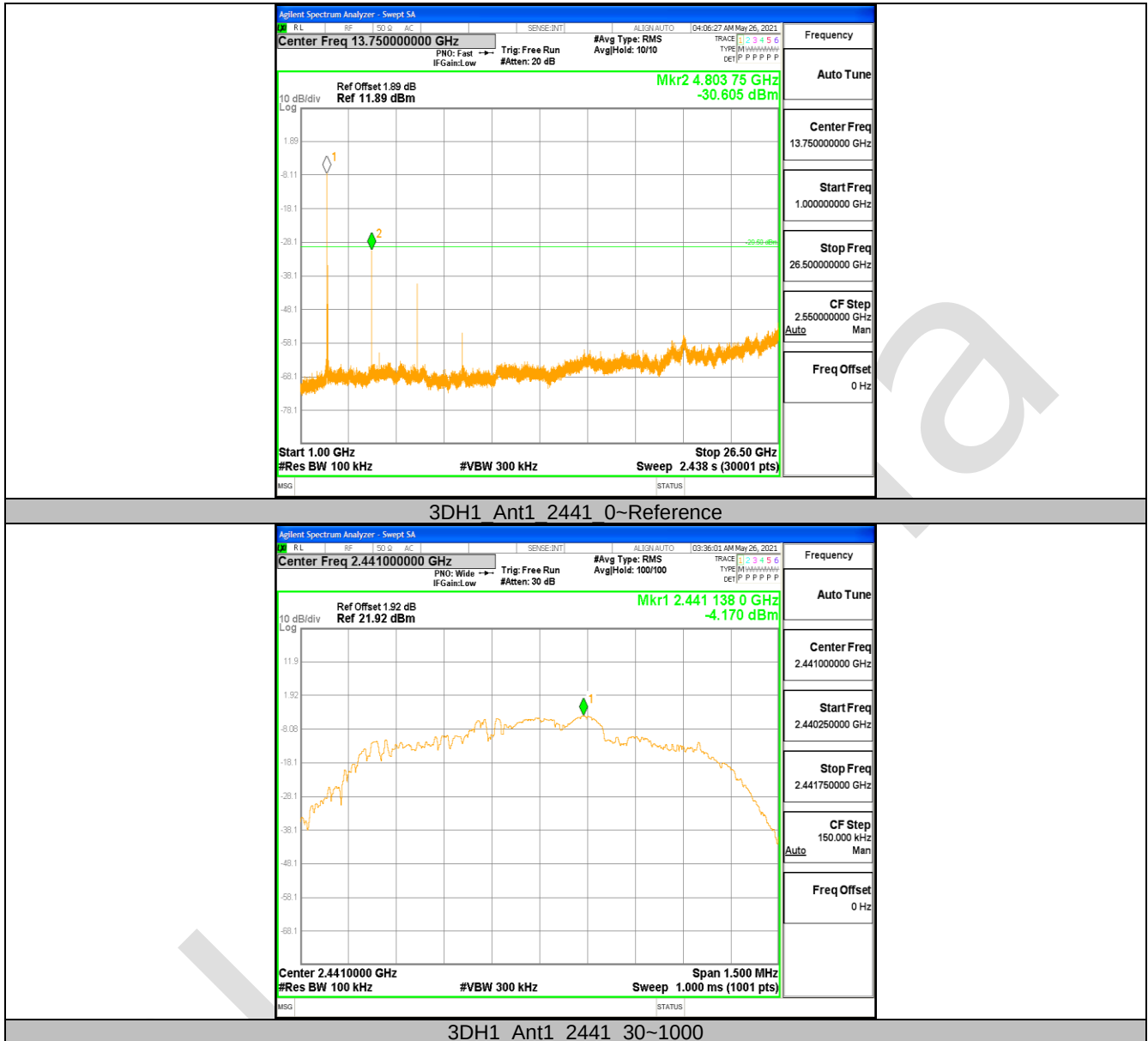


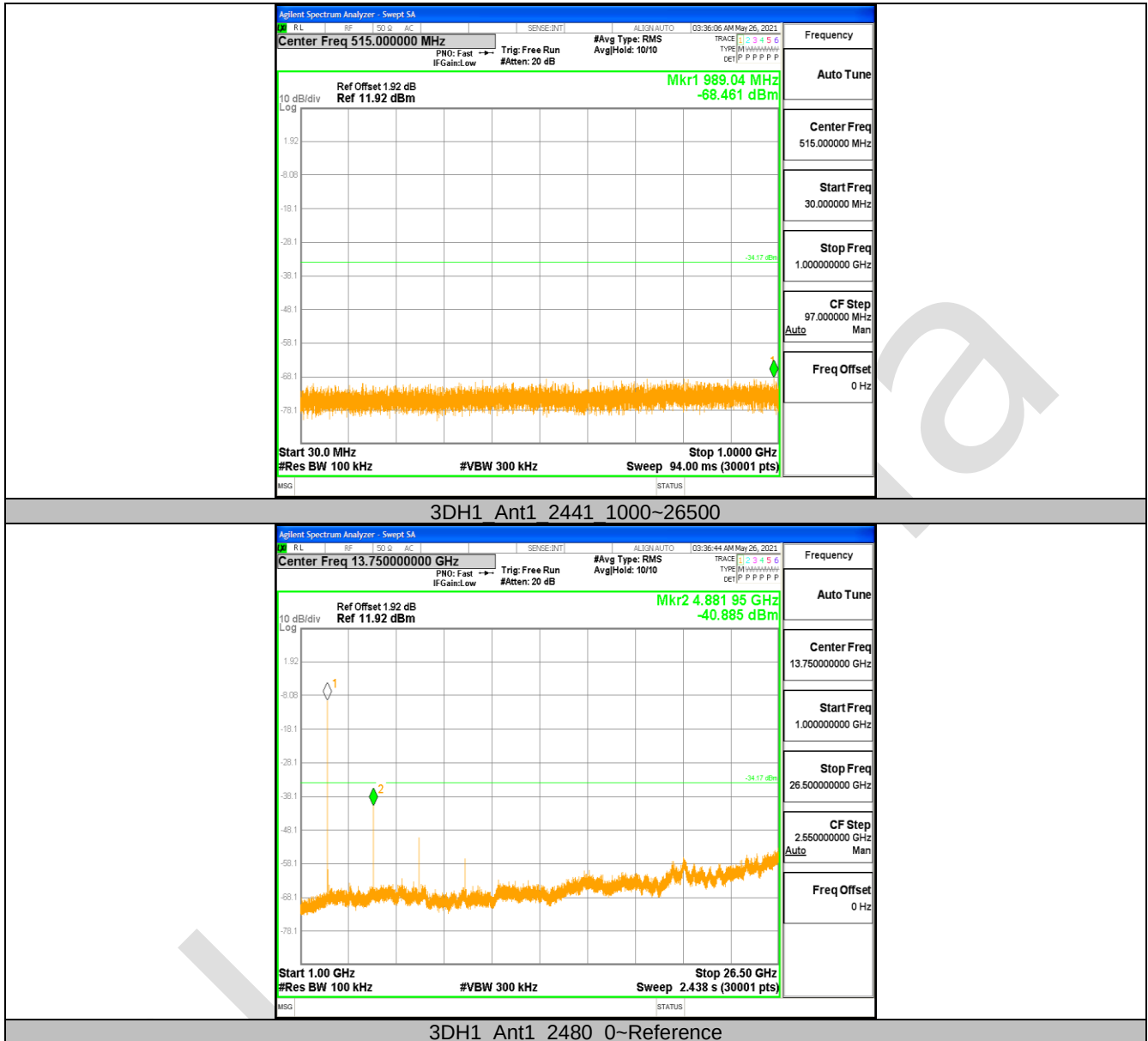


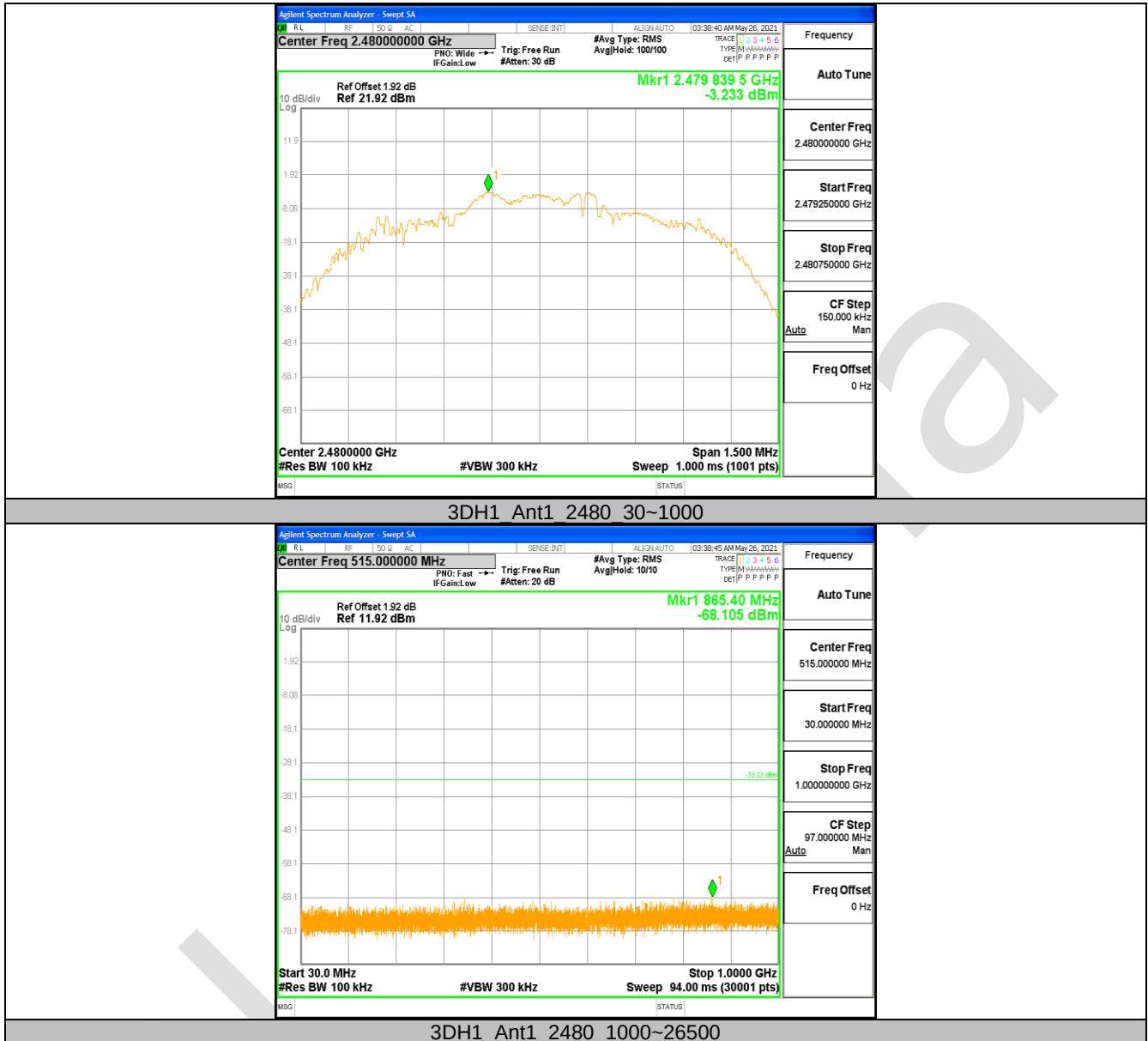


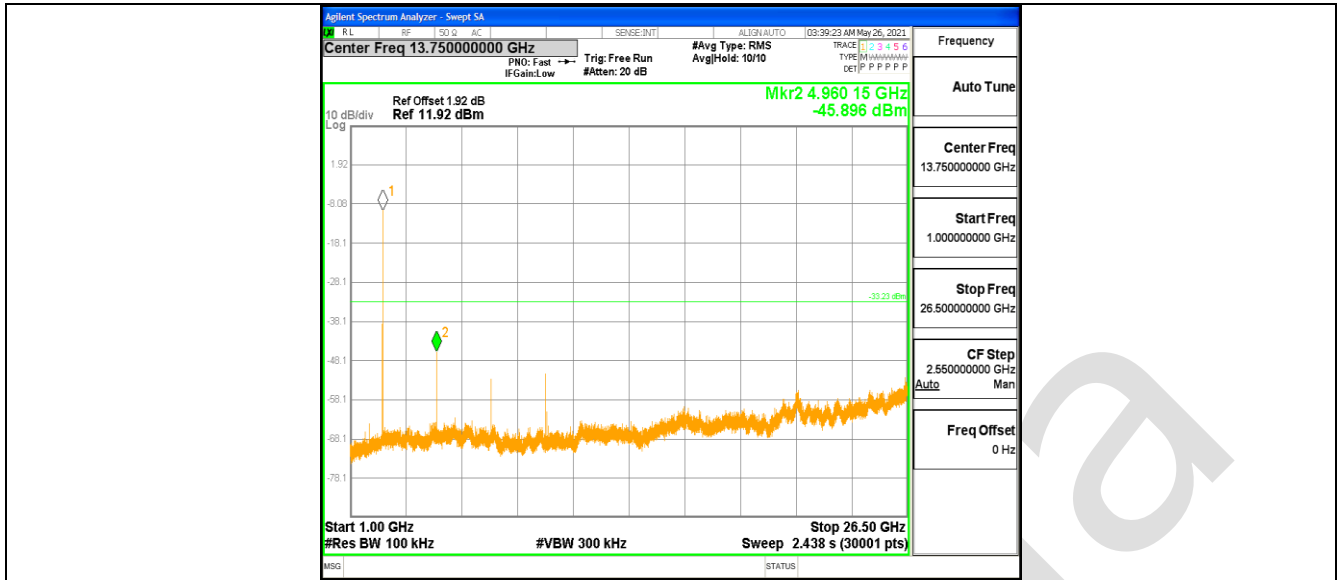






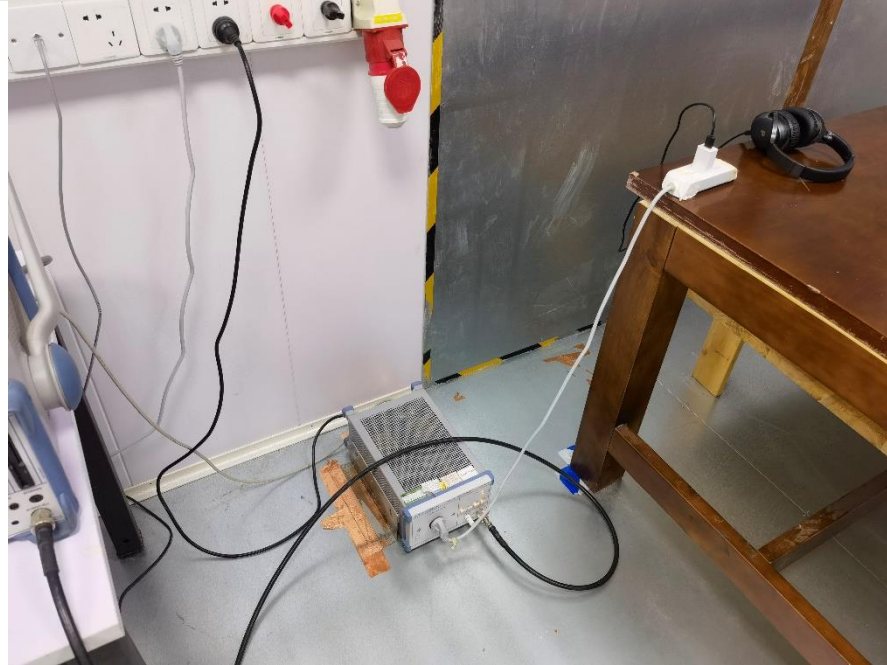




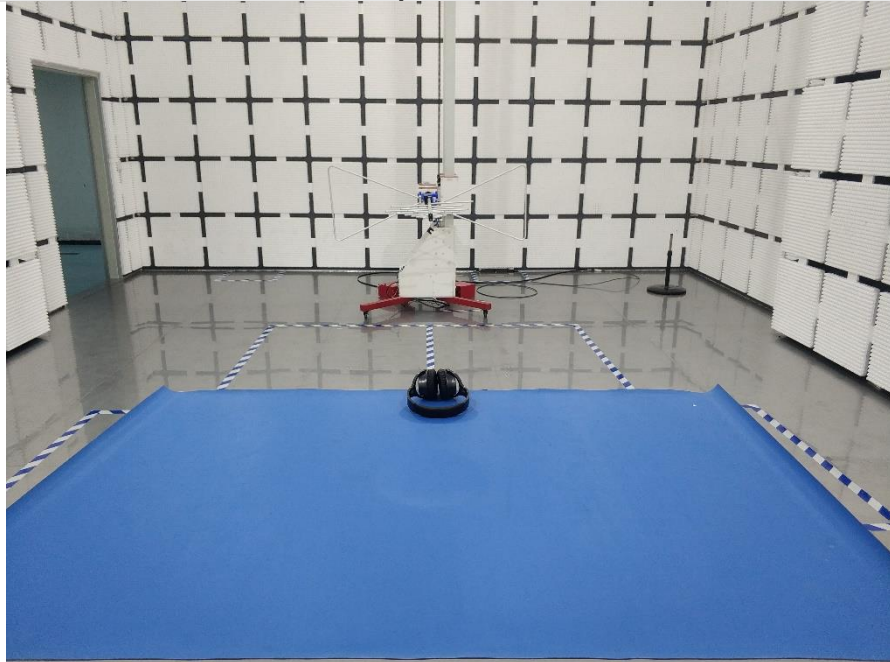


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

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



Radiated Spurious Emissions



APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202105-A4501

----END OF REPORT----

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