

10 APPENDIX

10.1 APPENDIX: 20DB EMISSION BANDWIDTH

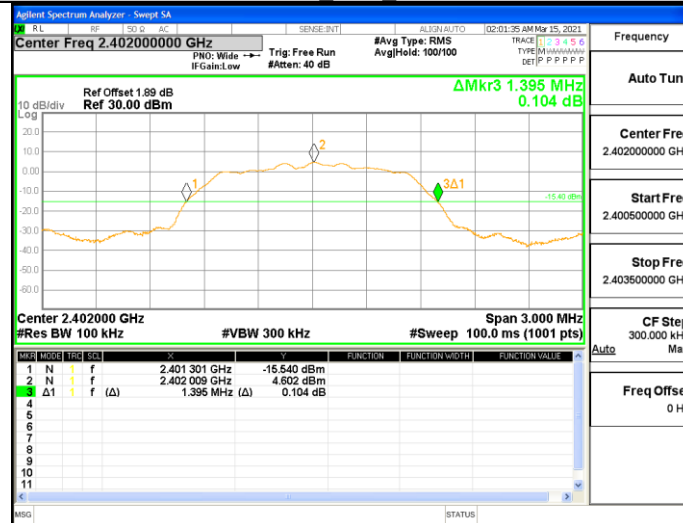
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.101	2401.454	2402.555	---	PASS
		2441	1.104	2440.454	2441.558	---	PASS
		2480	1.101	2479.454	2480.555	---	PASS
2DH1	Ant1	2402	1.395	2401.301	2402.696	---	PASS
		2441	1.398	2440.298	2441.696	---	PASS
		2480	1.401	2479.298	2480.699	---	PASS
3DH1	Ant1	2402	1.365	2401.319	2402.684	---	PASS
		2441	1.365	2440.319	2441.684	---	PASS
		2480	1.368	2479.319	2480.687	---	PASS

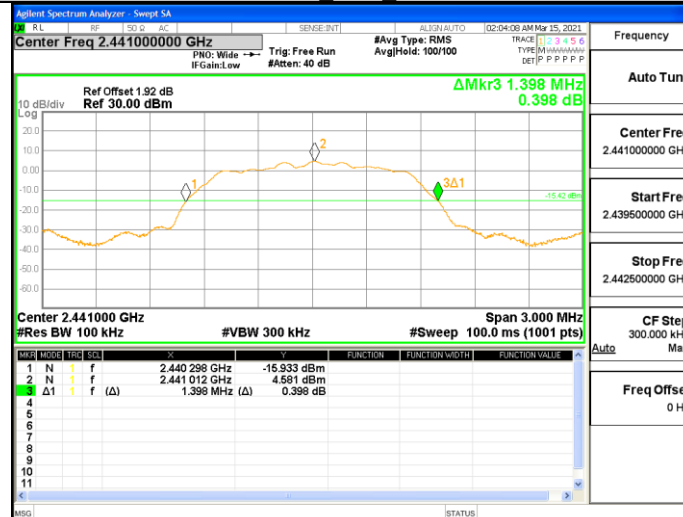
Test Graphs



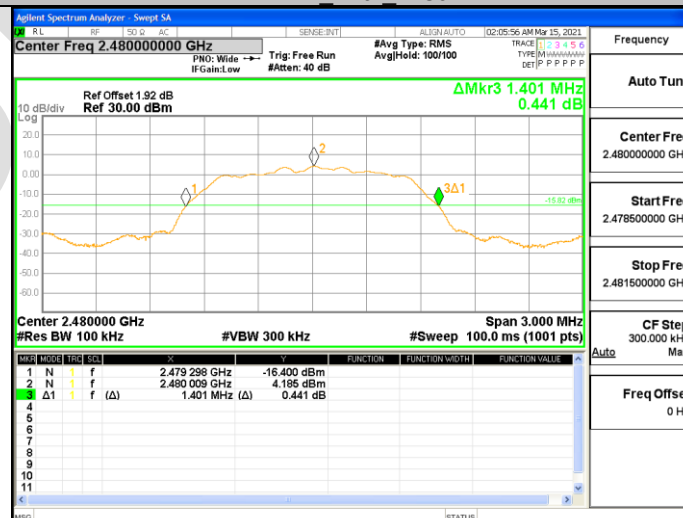
2DH1 Ant1 2402



2DH1 Ant1 2441



2DH1 Ant1 2480



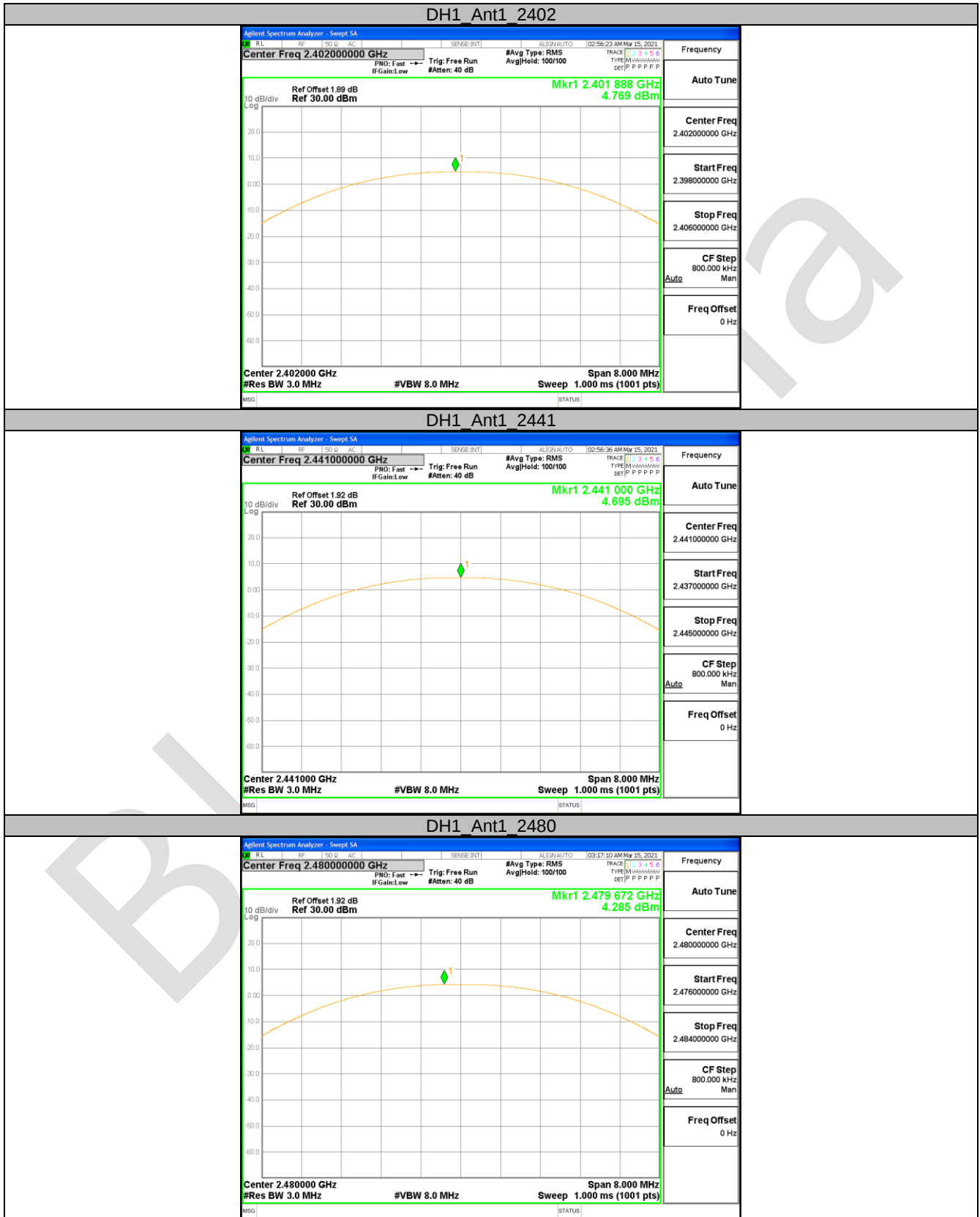


10.2 APPENDIX : MAXIMUM CONDUCTED OUTPUT POWER

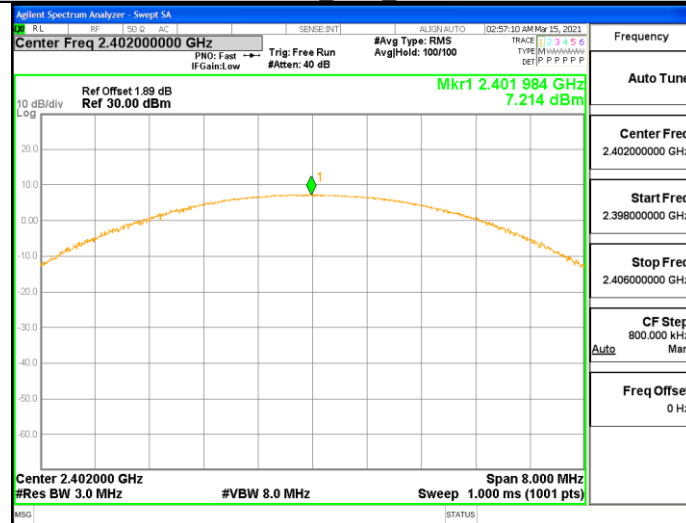
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	4.77	<=20.97	PASS
		2441	4.7	<=20.97	PASS
		2480	4.29	<=20.97	PASS
2DH1	Ant1	2402	7.21	<=20.97	PASS
		2441	7.11	<=20.97	PASS
		2480	6.56	<=20.97	PASS
3DH1	Ant1	2402	7.98	<=20.97	PASS
		2441	7.85	<=20.97	PASS
		2480	7.20	<=20.97	PASS

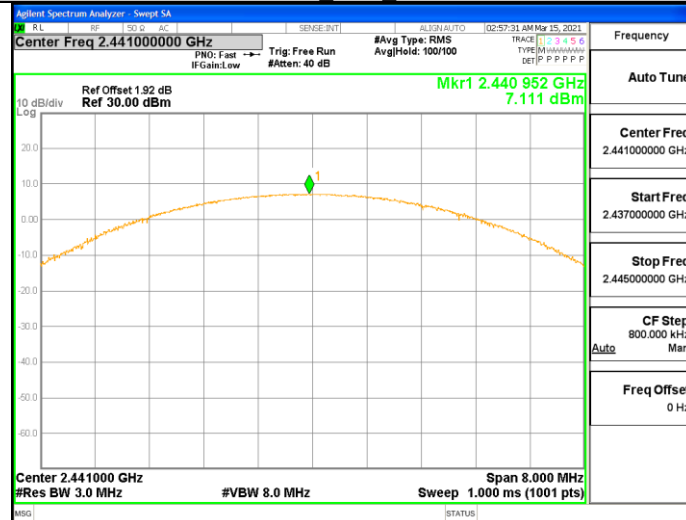
Test Graphs



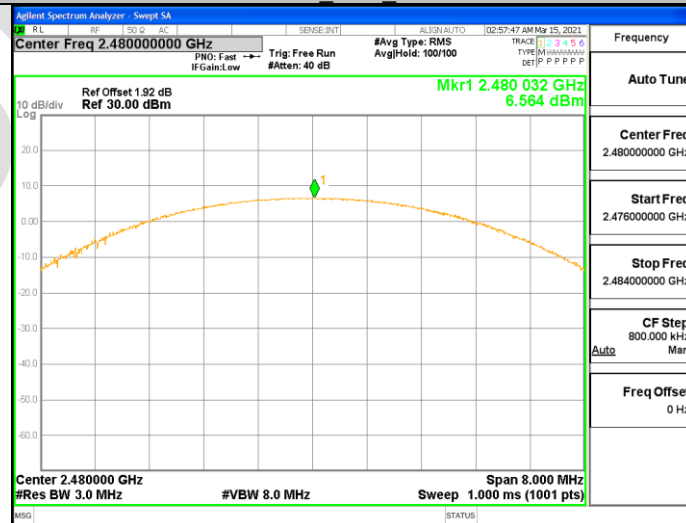
2DH1 Ant1 2402

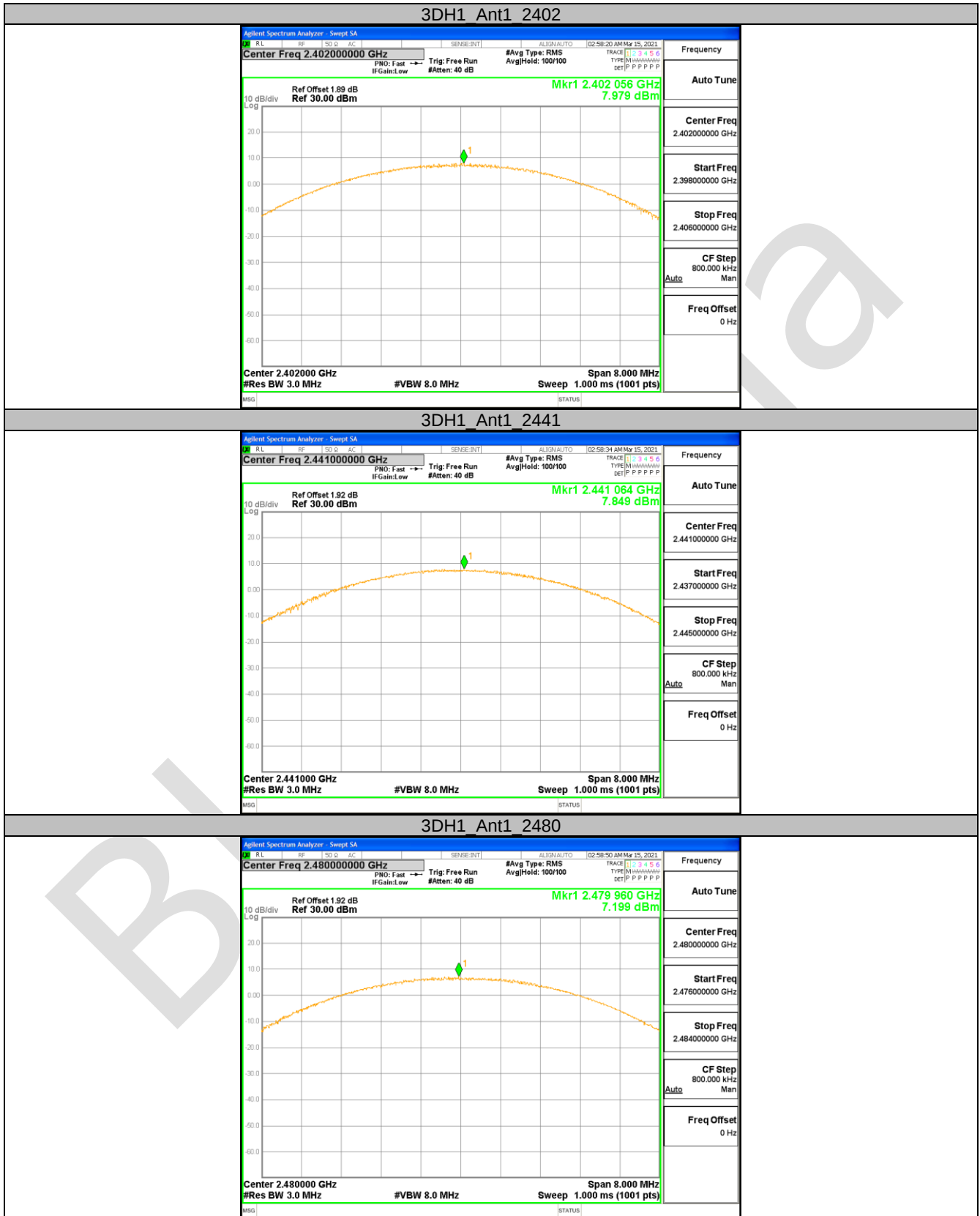


2DH1 Ant1 2441



2DH1 Ant1 2480





10.3 APPENDIX : CARRIER FREQUENCY SEPARATION**Test Result**

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.008	≥ 0.736	PASS
2DH1	Ant1	Hop	1.000	≥ 0.934	PASS
3DH1	Ant1	Hop	1.016	≥ 0.912	PASS

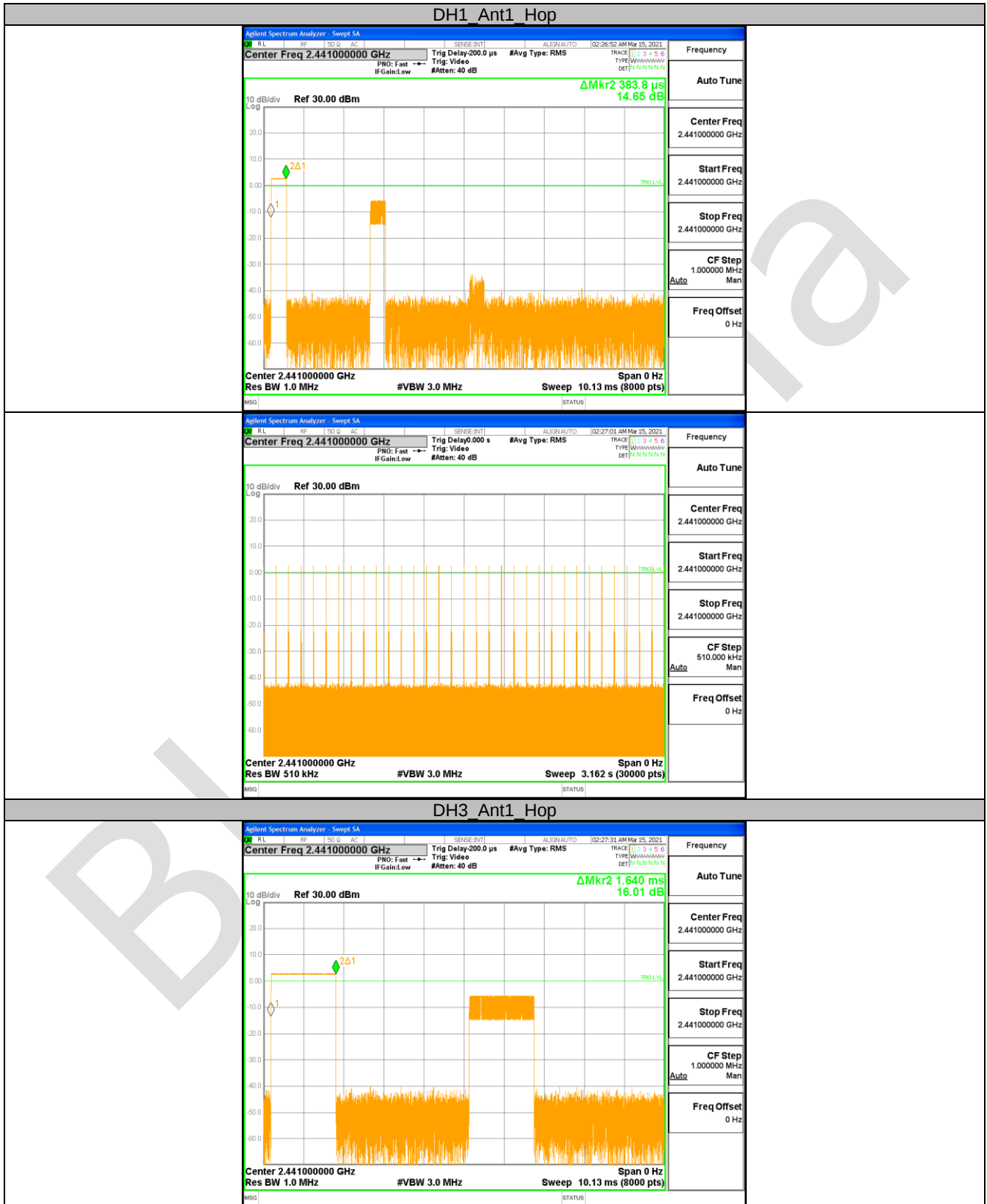
Test Graphs



10.4 APPENDIX : TIME OF OCCUPANCY**Test Result**

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	330	0.127	<=0.4	PASS
DH3	Ant1	Hop	1.64	170	0.279	<=0.4	PASS
DH5	Ant1	Hop	2.89	110	0.318	<=0.4	PASS

Test Graphs





10.5 APPENDIX : 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



10.6 APPENDIX : BAND EDGE MEASUREMENTS

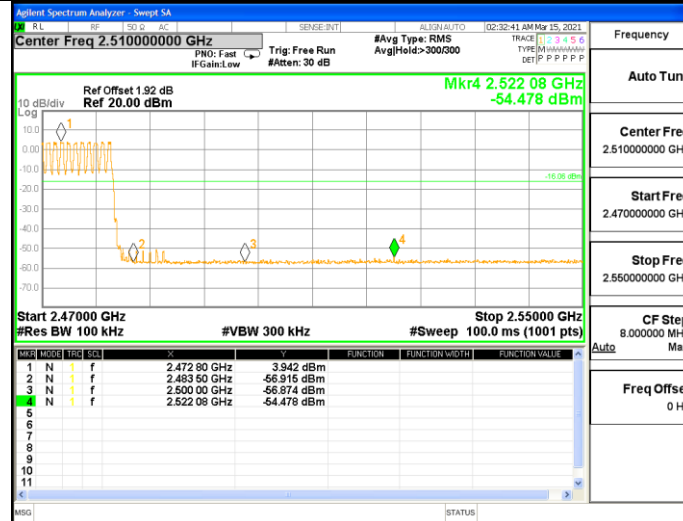
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.64	-55.98	<=-15.37	PASS
		High	2480	4.12	-55.73	<=-15.88	PASS
		Low	Hop_2402	4.38	-55.51	-15.62	PASS
		High	Hop_2480	3.94	-54.48	-16.06	PASS
2DH1	Ant1	Low	2402	4.56	-55.13	<=-15.44	PASS
		High	2480	4.18	-55.03	<=-15.83	PASS
		Low	Hop_2402	4.38	-55.66	-15.62	PASS
		High	Hop_2480	3.88	-54.7	-16.12	PASS
3DH1	Ant1	Low	2402	4.54	-56.29	<=-15.46	PASS
		High	2480	4.05	-55.62	<=-15.95	PASS
		Low	Hop_2402	4.51	-55.8	-15.49	PASS
		High	Hop_2480	3.99	-54.86	-16.01	PASS

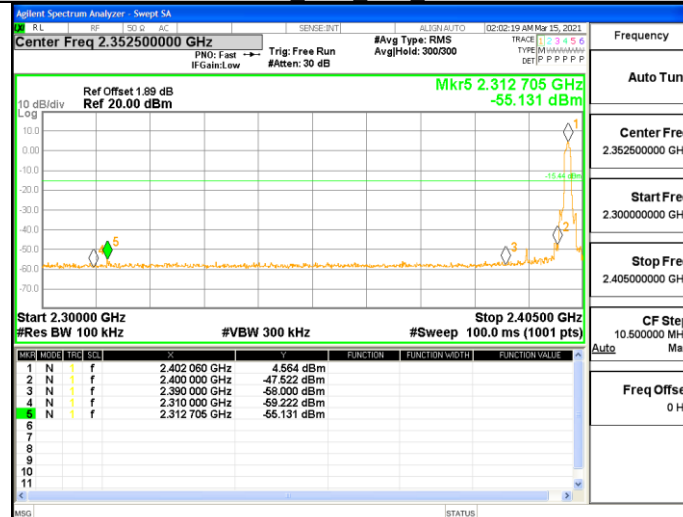
Test Graphs



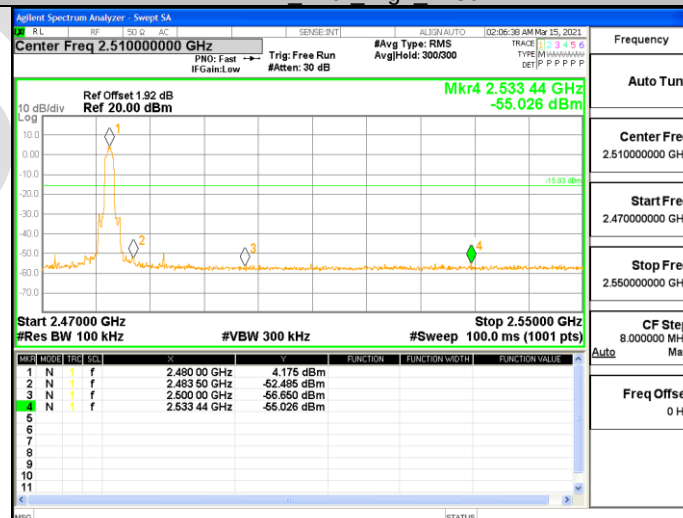
DH1 Ant1 High Hop 2480



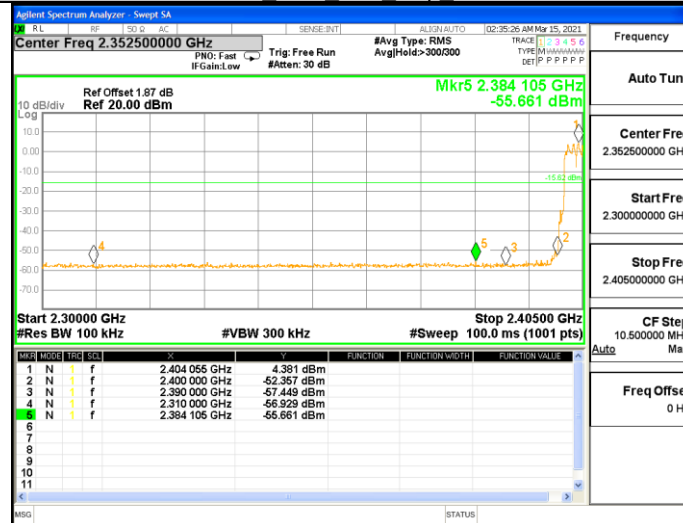
2DH1 Ant1 Low 2402



2DH1 Ant1 High 2480



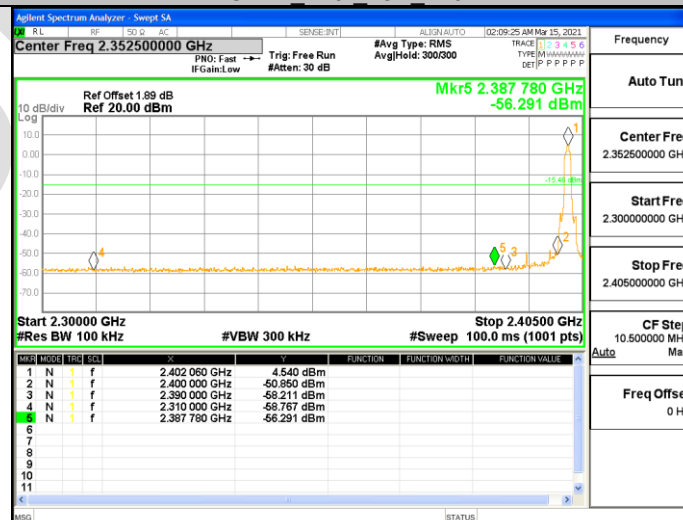
2DH1 Ant1 Low Hop 2402



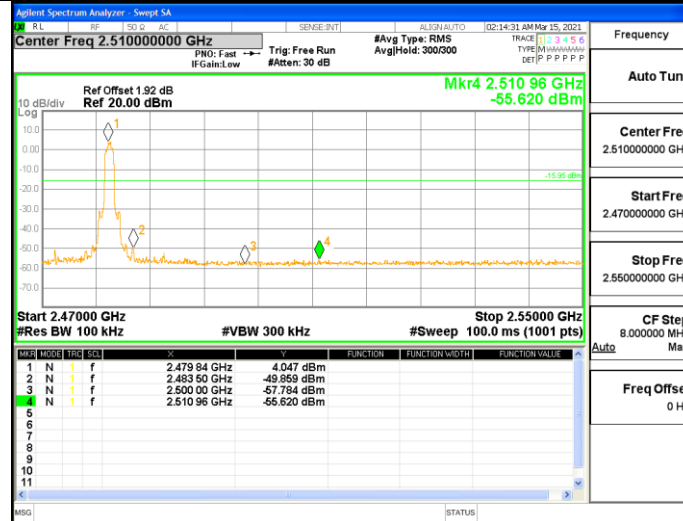
2DH1 Ant1 High Hop 2480



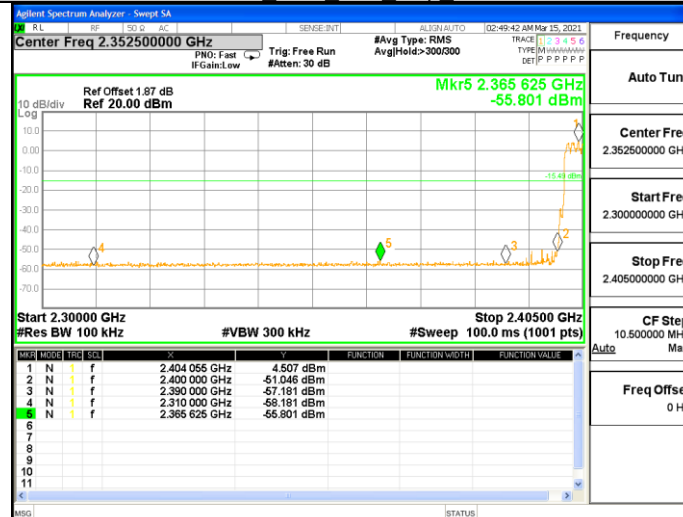
3DH1 Ant1 Low 2402



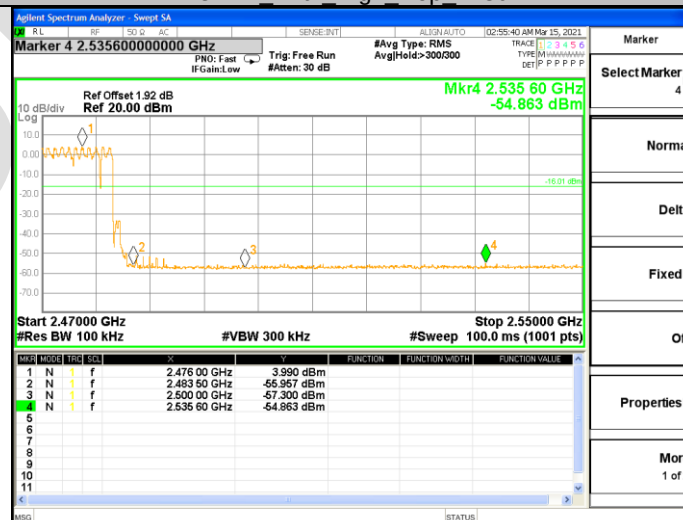
3DH1 Ant1 High 2480



3DH1 Ant1 Low Hop 2402



3DH1 Ant1 High Hop 2480



10.7 APPENDIX : CONDUCTED SPURIOUS EMISSION

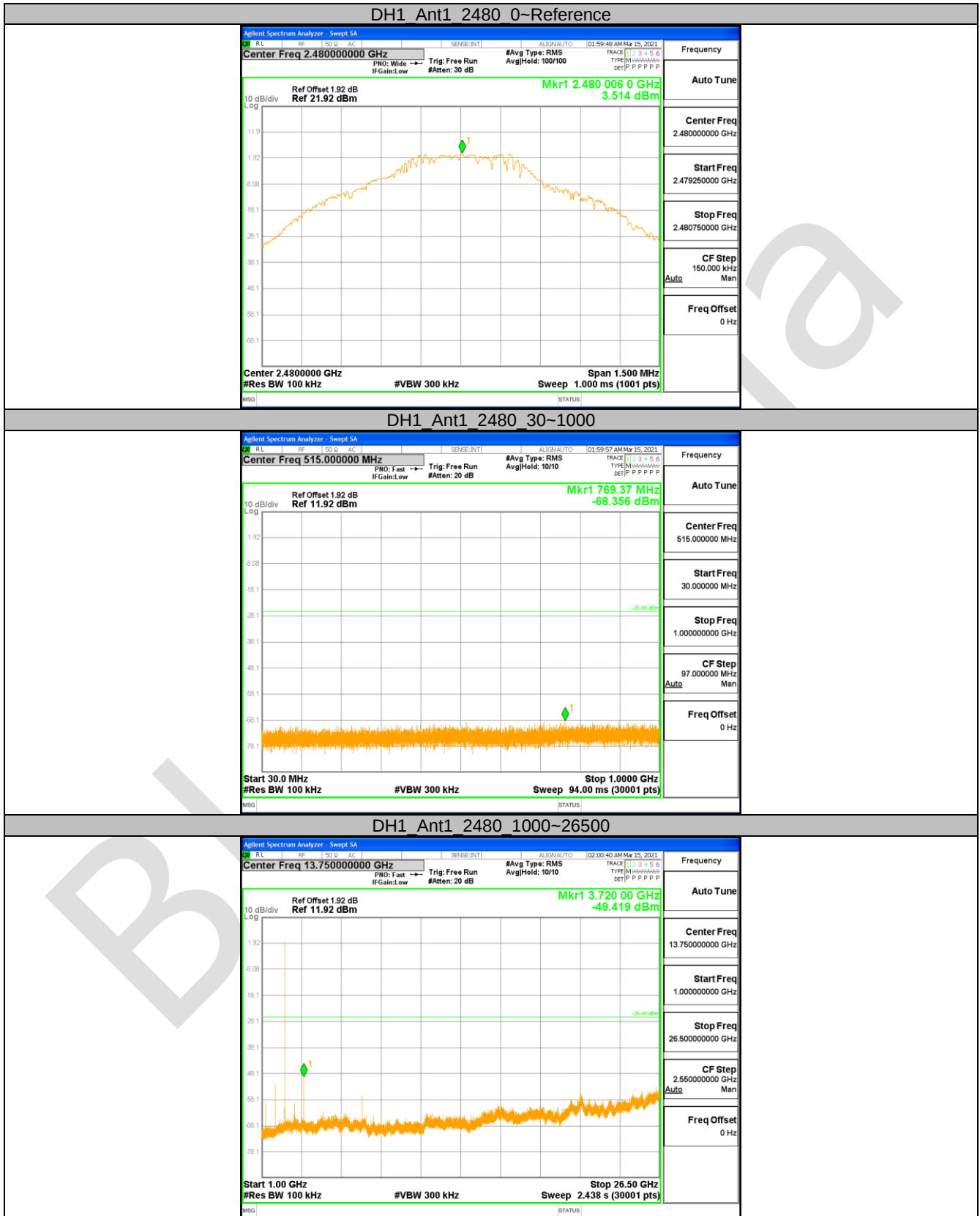
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	4.62	4.62	---	PASS
			30~1000	30~1000	-68.17	<=-25.384	PASS
			1000~26500	1000~26500	-35.021	<=-25.384	PASS
		2441	Reference	4.56	4.56	---	PASS
			30~1000	30~1000	-68.012	<=-25.438	PASS
			1000~26500	1000~26500	-34.752	<=-25.438	PASS
		2480	Reference	3.51	3.51	---	PASS
			30~1000	30~1000	-68.356	<=-26.486	PASS
			1000~26500	1000~26500	-49.419	<=-26.486	PASS
2DH1	Ant1	2402	Reference	4.55	4.55	---	PASS
			30~1000	30~1000	-68.201	<=-25.452	PASS
			1000~26500	1000~26500	-35.712	<=-25.452	PASS
		2441	Reference	4.52	4.52	---	PASS
			30~1000	30~1000	-67.718	<=-25.48	PASS
			1000~26500	1000~26500	-34.864	<=-25.48	PASS
		2480	Reference	4.19	4.19	---	PASS
			30~1000	30~1000	-67.578	<=-25.811	PASS
			1000~26500	1000~26500	-34.897	<=-25.811	PASS
3DH1	Ant1	2402	Reference	4.46	4.46	---	PASS
			30~1000	30~1000	-68.424	<=-25.542	PASS
			1000~26500	1000~26500	-36.834	<=-25.542	PASS
		2441	Reference	4.48	4.48	---	PASS
			30~1000	30~1000	-68.239	<=-25.519	PASS
			1000~26500	1000~26500	-37.043	<=-25.519	PASS
		2480	Reference	4.13	4.13	---	PASS
			30~1000	30~1000	-68.511	<=-25.874	PASS
			1000~26500	1000~26500	-35.351	<=-25.874	PASS

Test Graphs













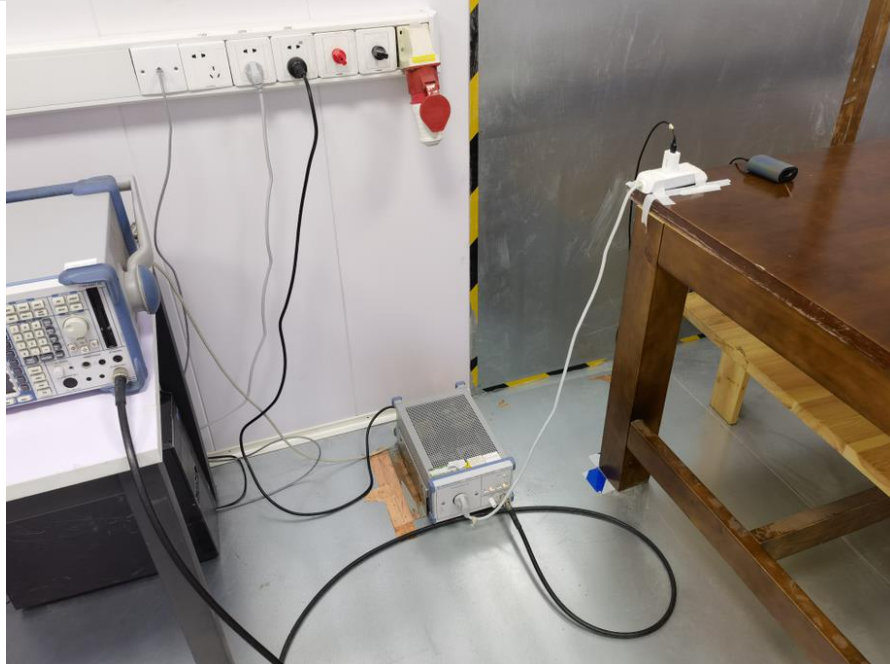




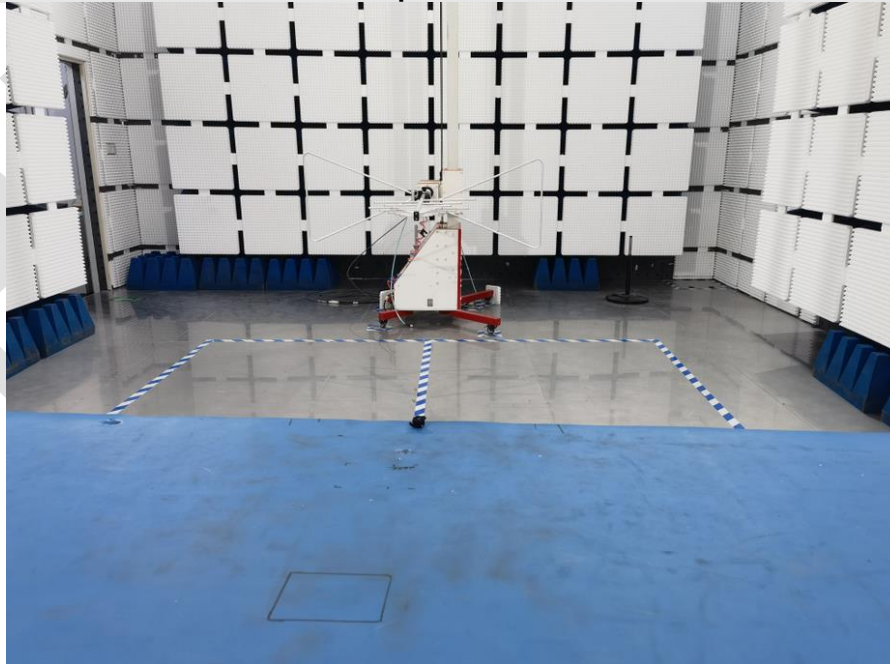


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

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



Radiated Spurious Emissions





APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202103-A3601

----END OF REPORT----

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