

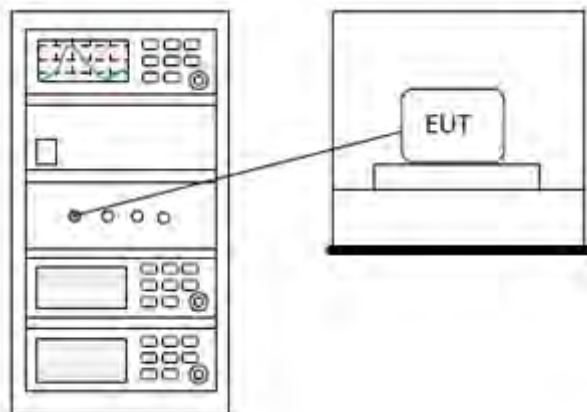
11 DWELL TIME

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.4
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Jozu
Temperature	25°C
Humidity	60%

11.1 LIMITS

Frequency(MHz)	Limit
902-928	0.4S within a 20S period(20dB bandwidth<250kHz)
	0.4S within a 10S period(20dB bandwidth≥250kHz)
2400-2483.5	0.4S within a period of 0.4S multiplied by the number of hopping channels
5725-5850	0.4S within a 30S period

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 TEST DATA

Pass: Please Refer To Appendix: Appendix1 For Details

BlueAsia

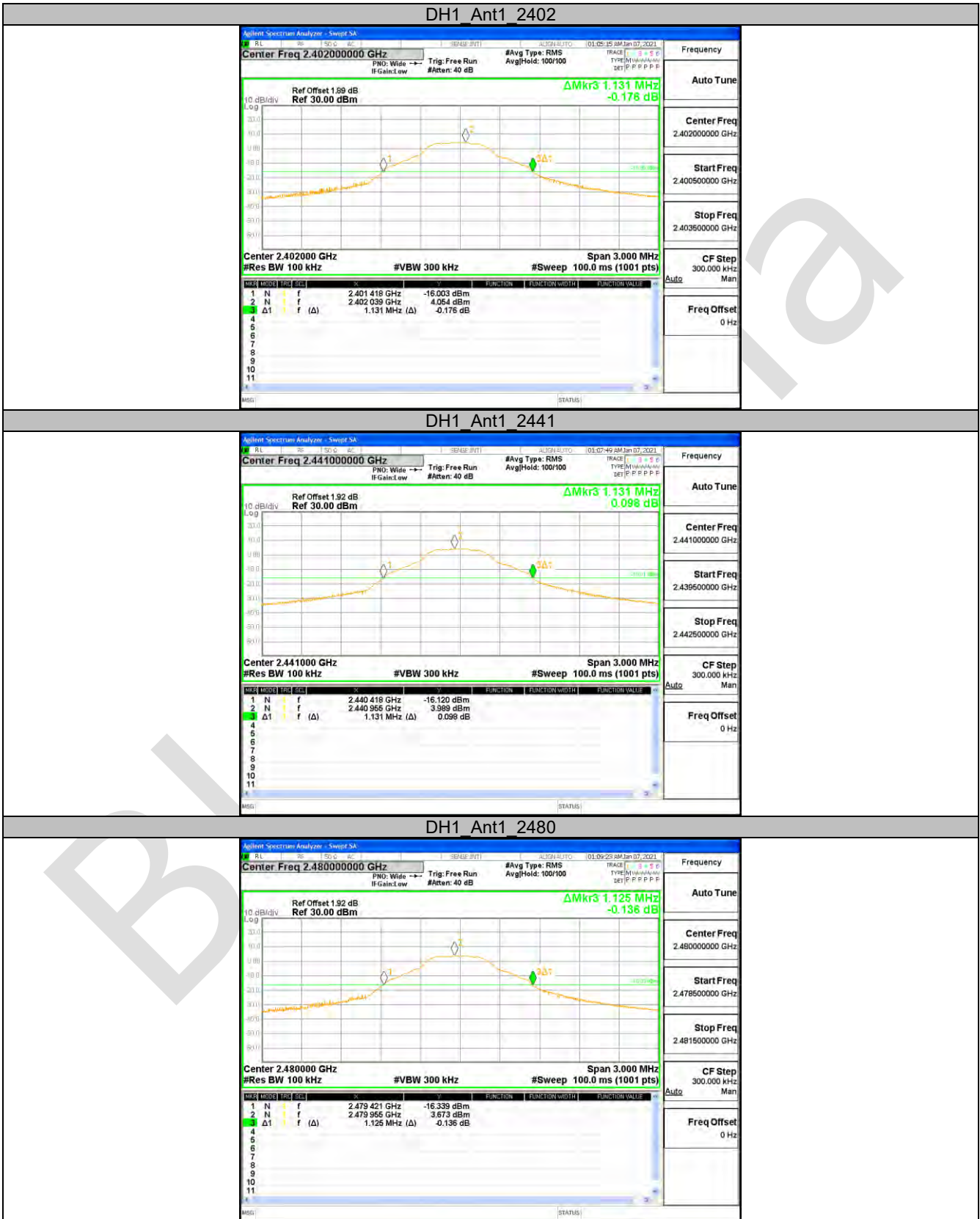
10 APPENDIX

10.1 APPENDIX : 20DB EMISSION BANDWIDTH

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.131	2401.418	2402.549	---	PASS
		2441	1.131	2440.418	2441.549	---	PASS
		2480	1.125	2479.421	2480.546	---	PASS
2DH1	Ant1	2402	1.404	2401.280	2402.684	---	PASS
		2441	1.401	2440.280	2441.681	---	PASS
		2480	1.398	2479.283	2480.681	---	PASS
3DH1	Ant1	2402	1.458	2401.253	2402.711	---	PASS
		2441	1.488	2440.235	2441.723	---	PASS
		2480	1.470	2479.241	2480.711	---	PASS

Test Graphs



2DH1 Ant1 2402



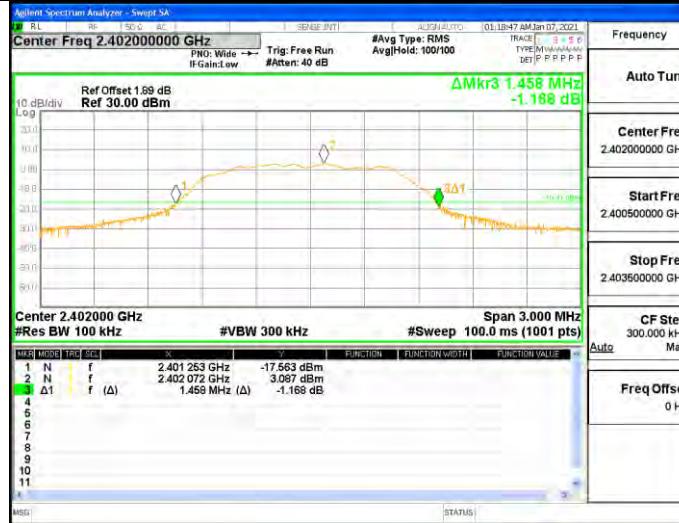
2DH1 Ant1 2441



2DH1 Ant1 2480



3DH1 Ant1 2402



3DH1 Ant1 2441



3DH1 Ant1 2480

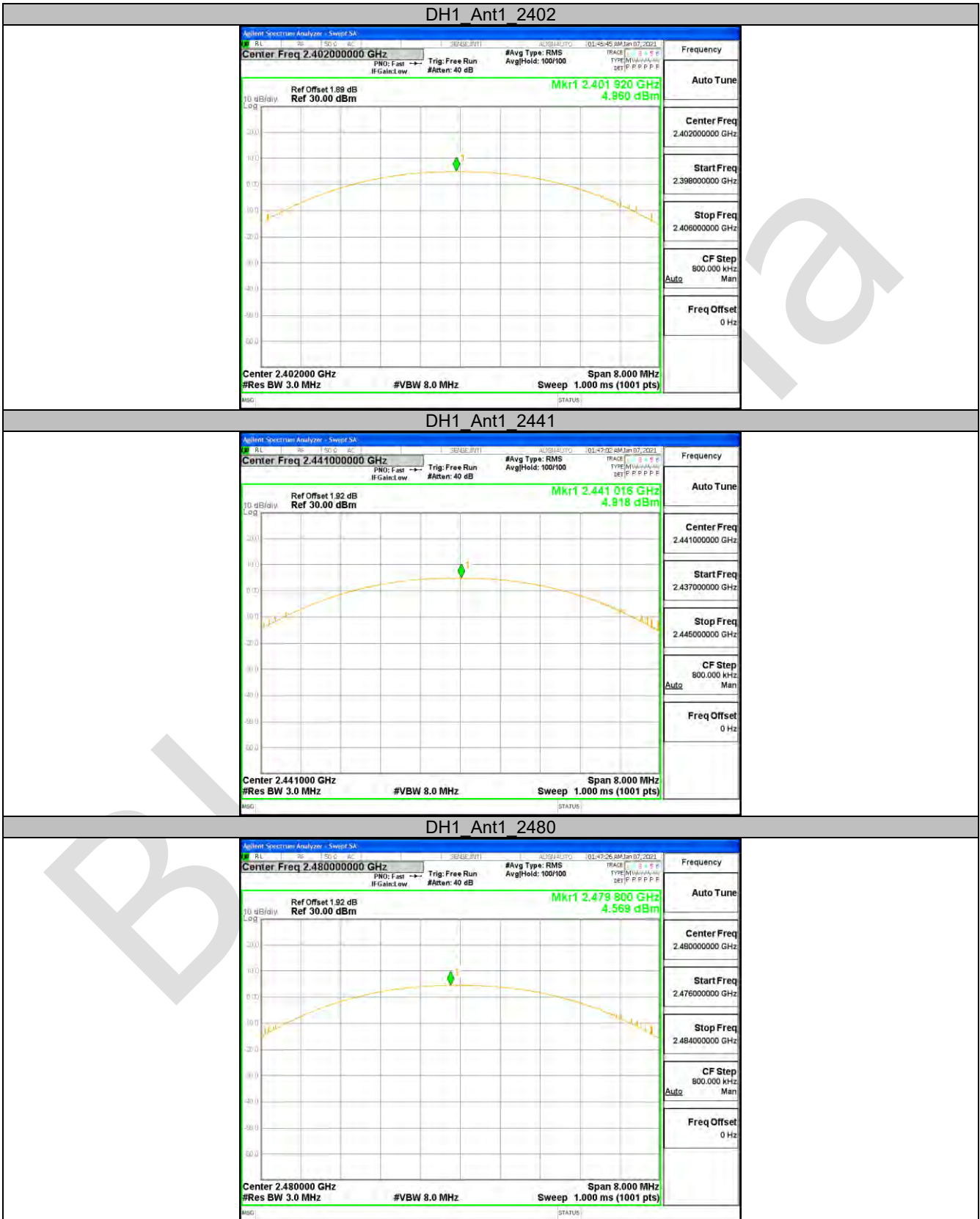


10.2 APPENDIX : MAXIMUM CONDUCTED OUTPUT POWER

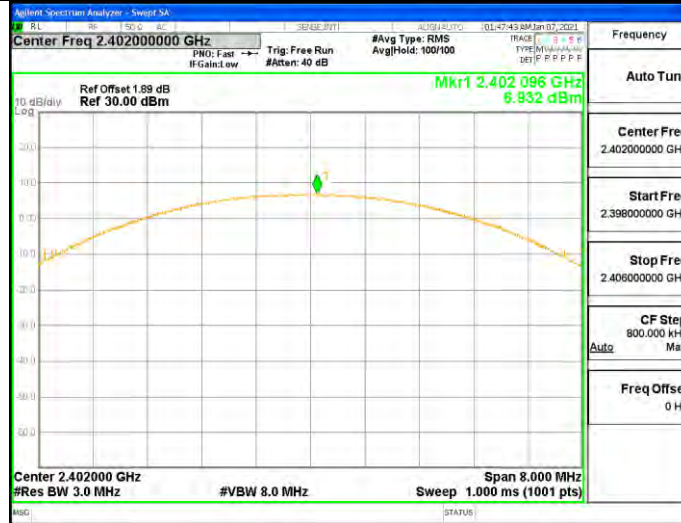
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	4.96	<=20.97	PASS
		2441	4.92	<=20.97	PASS
		2480	4.57	<=20.97	PASS
2DH1	Ant1	2402	6.93	<=20.97	PASS
		2441	6.81	<=20.97	PASS
		2480	6.54	<=20.97	PASS
3DH1	Ant1	2402	7.12	<=20.97	PASS
		2441	7.00	<=20.97	PASS
		2480	6.74	<=20.97	PASS

Test Graphs



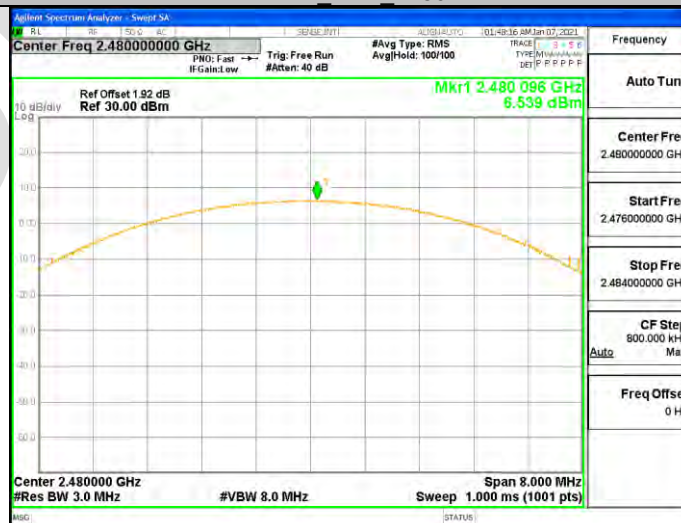
2DH1 Ant1 2402



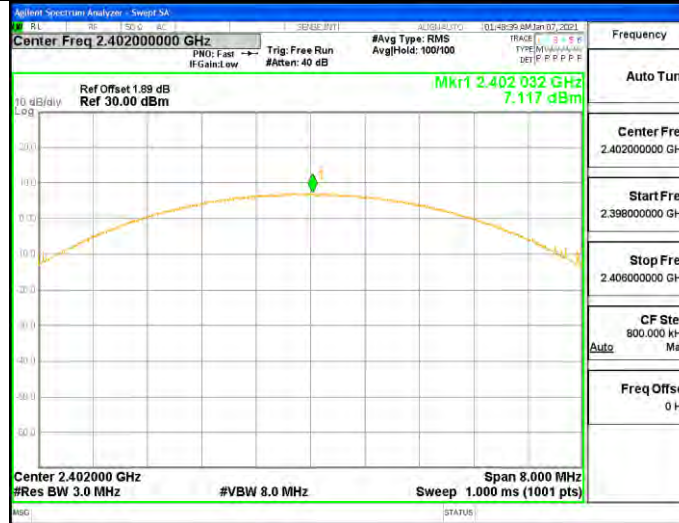
2DH1 Ant1 2441



2DH1 Ant1 2480



3DH1 Ant1 2402



3DH1 Ant1 2441



3DH1 Ant1 2480



10.3 APPENDIX : CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	0.998	≥ 0.754	PASS
2DH1	Ant1	Hop	0.990	≥ 0.936	PASS
3DH1	Ant1	Hop	1.004	≥ 0.992	PASS

Test Graphs



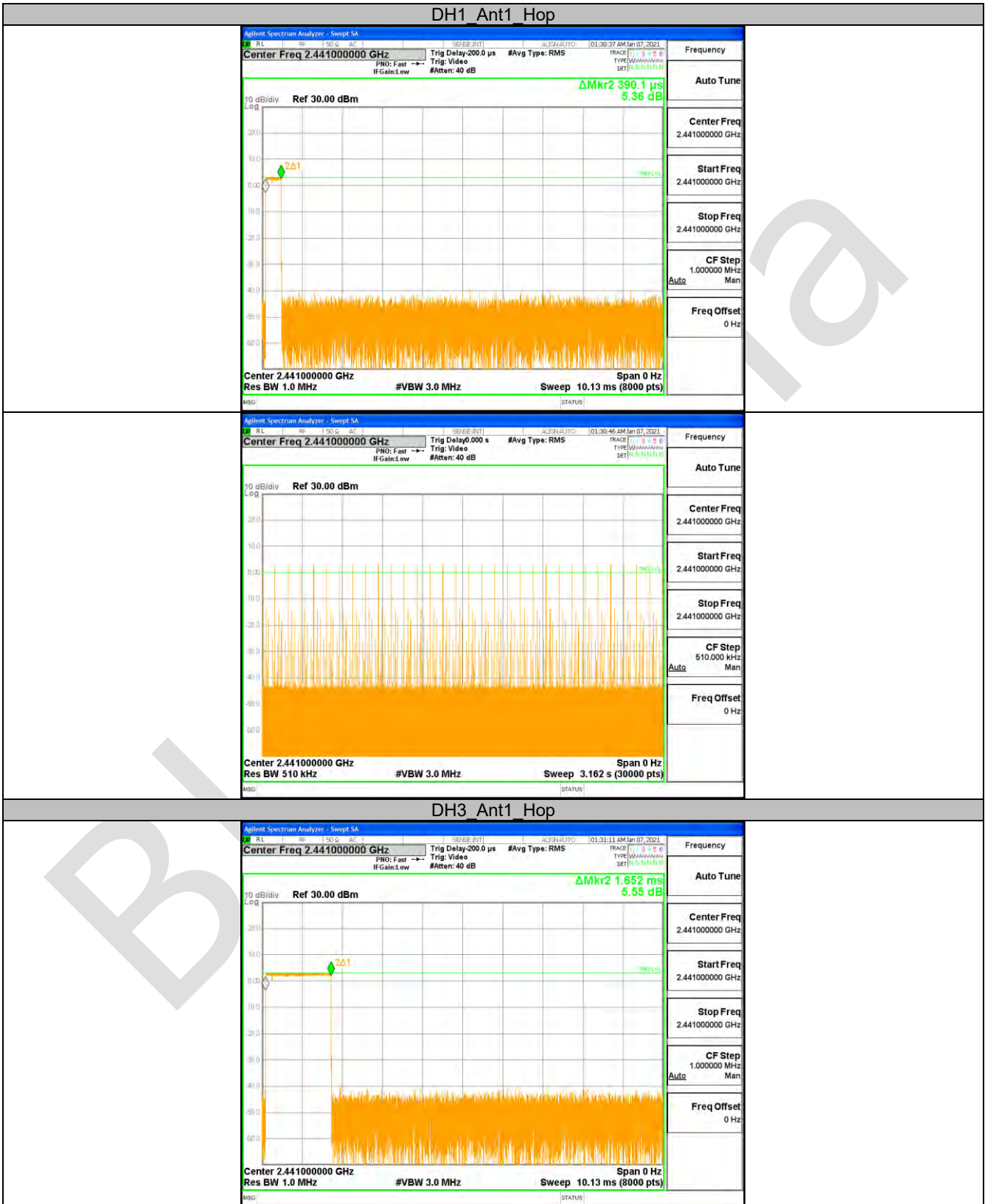
10.4 APPENDIX : TIME OF OCCUPANCY

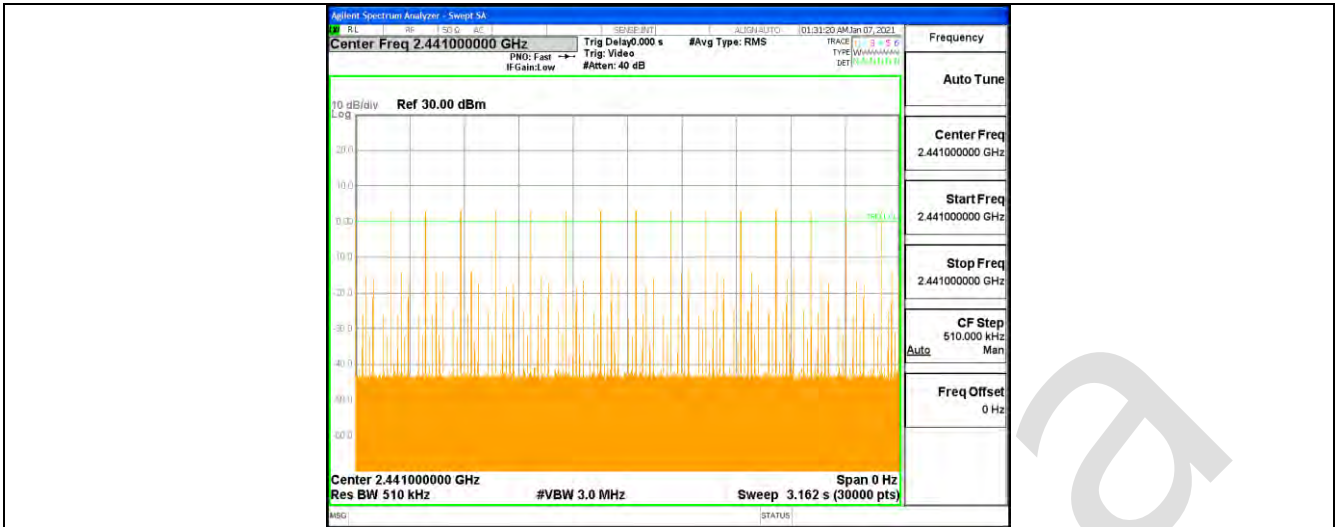
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	320	0.125	<=0.4	PASS
DH3	Ant1	Hop	1.65	160	0.264	<=0.4	PASS
DH5	Ant1	Hop	2.91	110	0.32	<=0.4	PASS

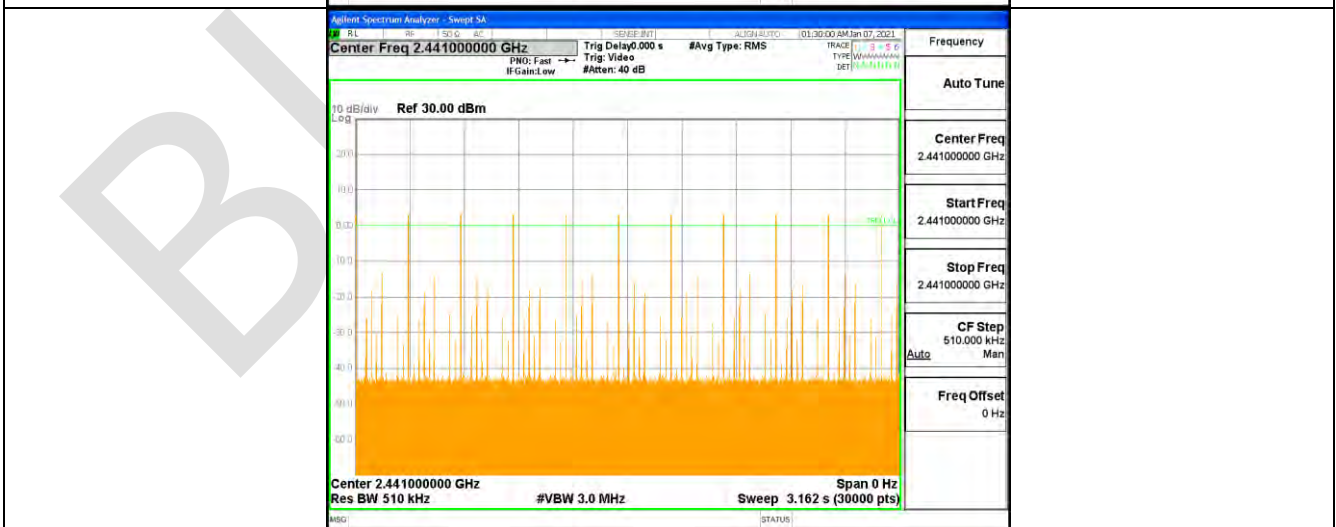
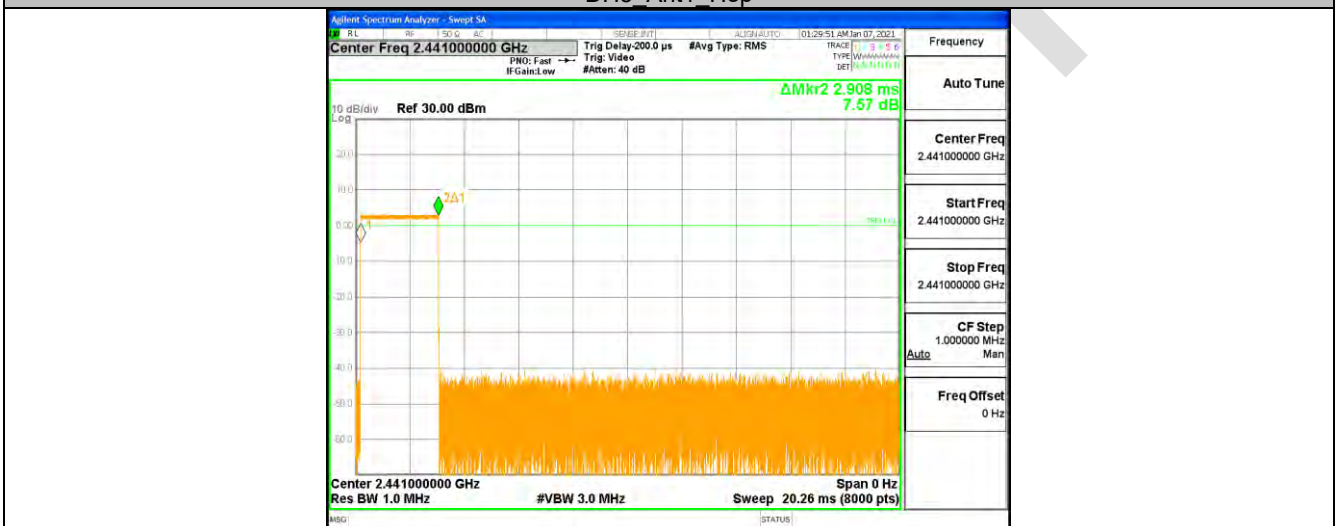
BlueAsia

Test Graphs





DH5_Ant1_Hop



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

BlueAsia

Test Graphs

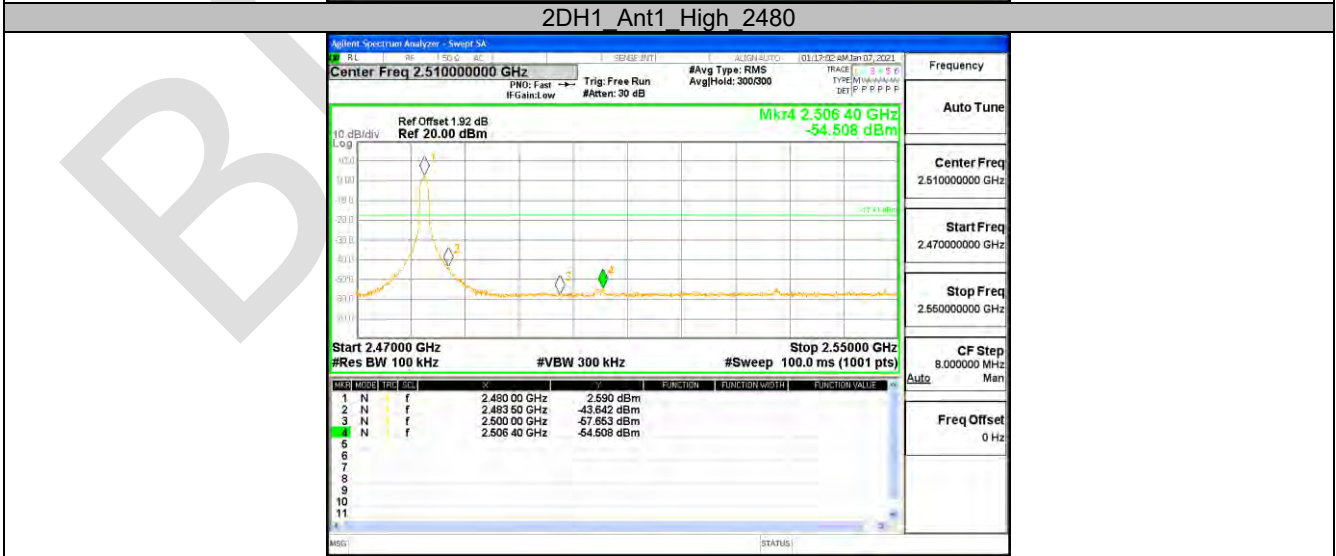
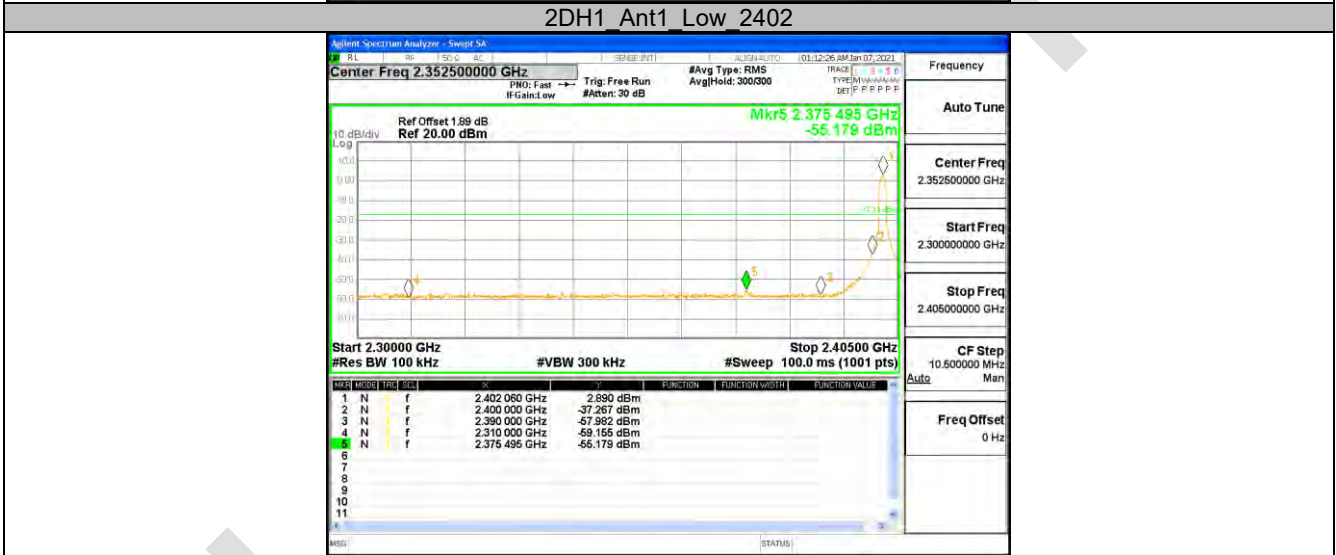
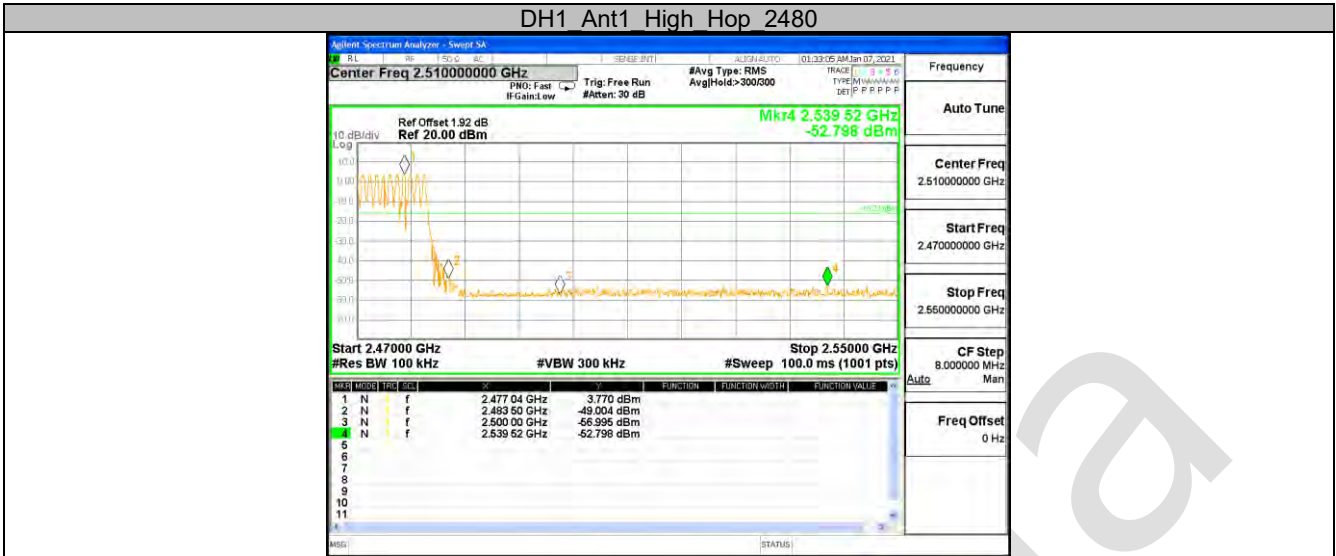


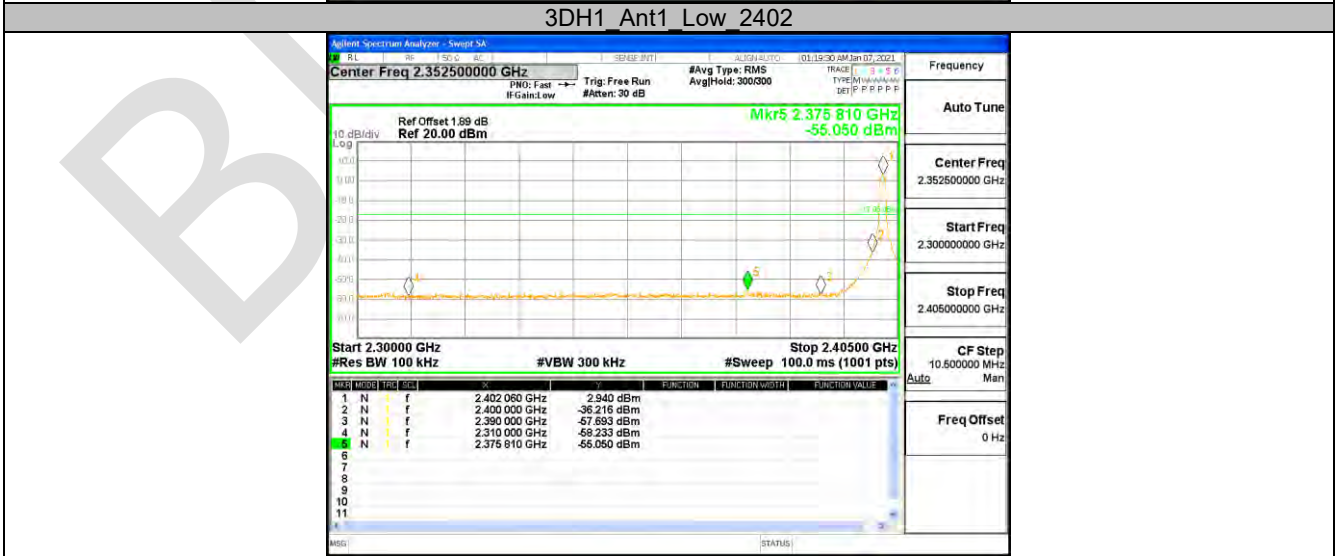
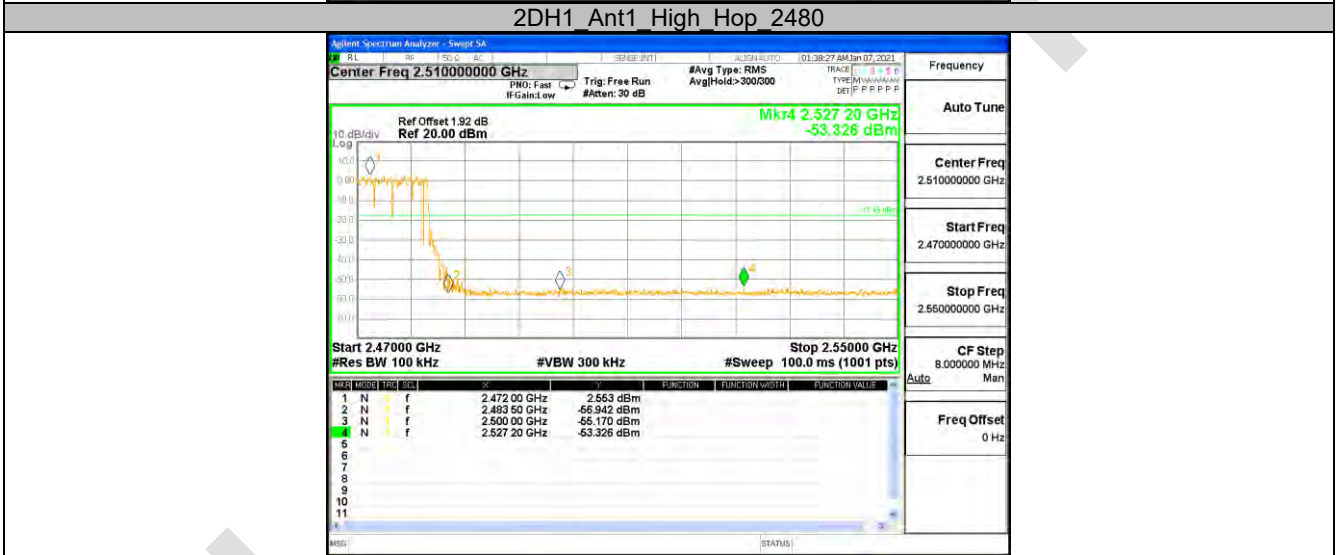
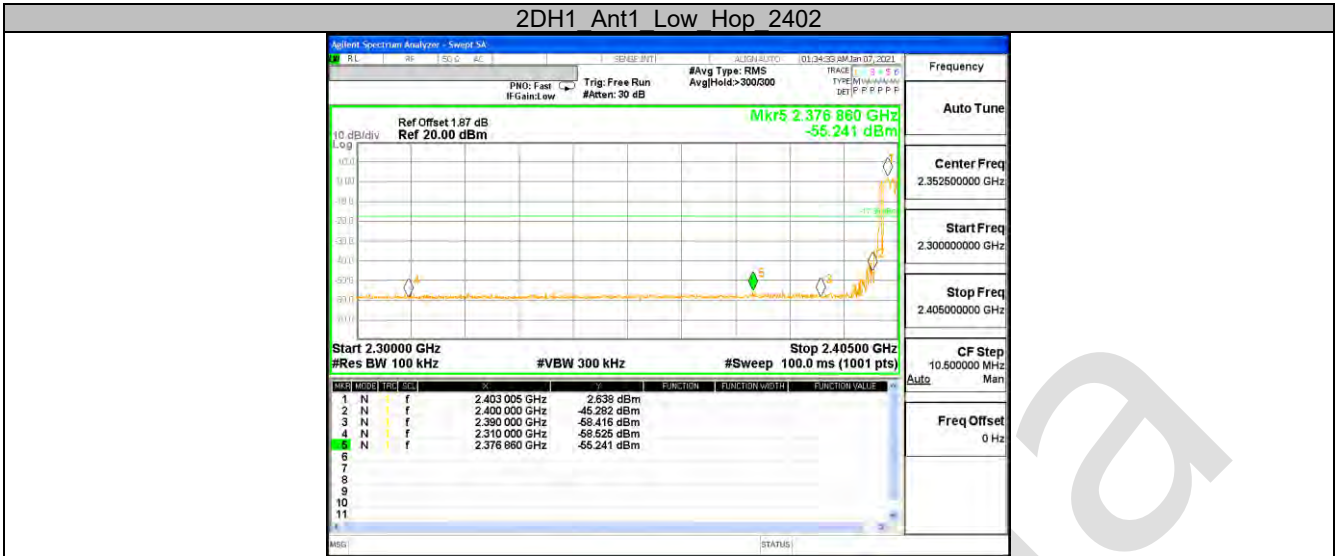
10.6 APPENDIX : BAND EDGE MEASUREMENTS
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.00	-54.67	<=-16	PASS
		High	2480	3.66	-54.44	<=-16.34	PASS
		Low	Hop_2402	4.04	-54.02	-15.96	PASS
		High	Hop_2480	3.77	-52.8	-16.23	PASS
2DH1	Ant1	Low	2402	2.89	-55.18	<=-17.11	PASS
		High	2480	2.59	-54.51	<=-17.41	PASS
		Low	Hop_2402	2.64	-55.24	-17.36	PASS
		High	Hop_2480	2.55	-53.33	-17.45	PASS
3DH1	Ant1	Low	2402	2.94	-55.05	<=-17.06	PASS
		High	2480	2.71	-53.57	<=-17.29	PASS
		Low	Hop_2402	2.78	-54.9	-17.22	PASS
		High	Hop_2480	2.60	-51.97	-17.4	PASS

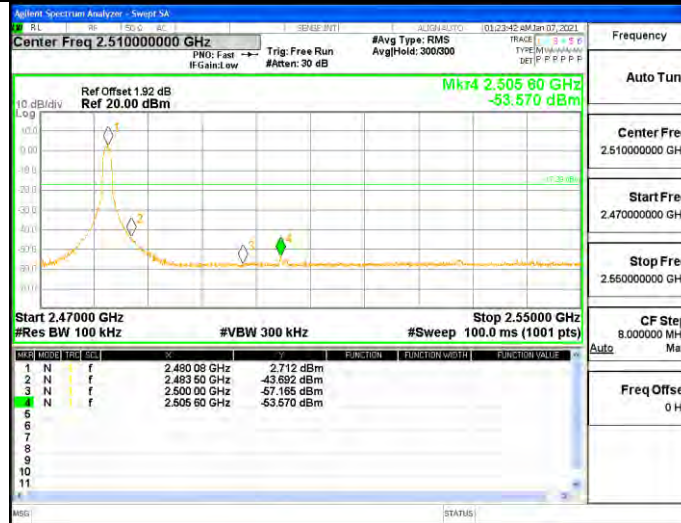
Test Graphs



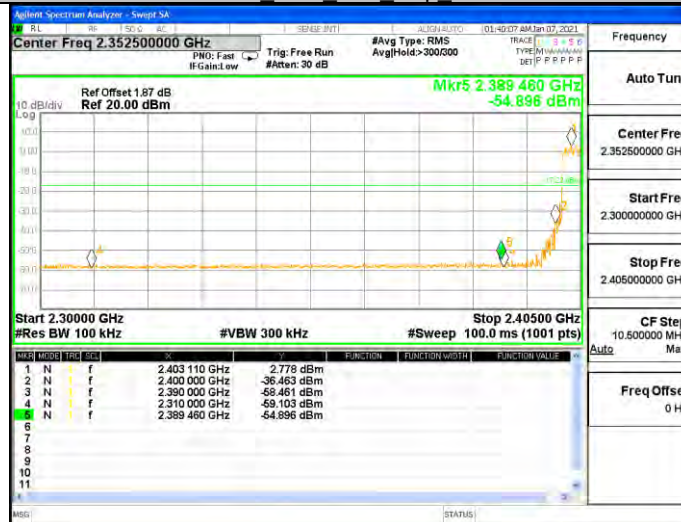




3DH1 Ant1 High 2480



3DH1 Ant1 Low Hop 2402



3DH1 Ant1 High Hop 2480

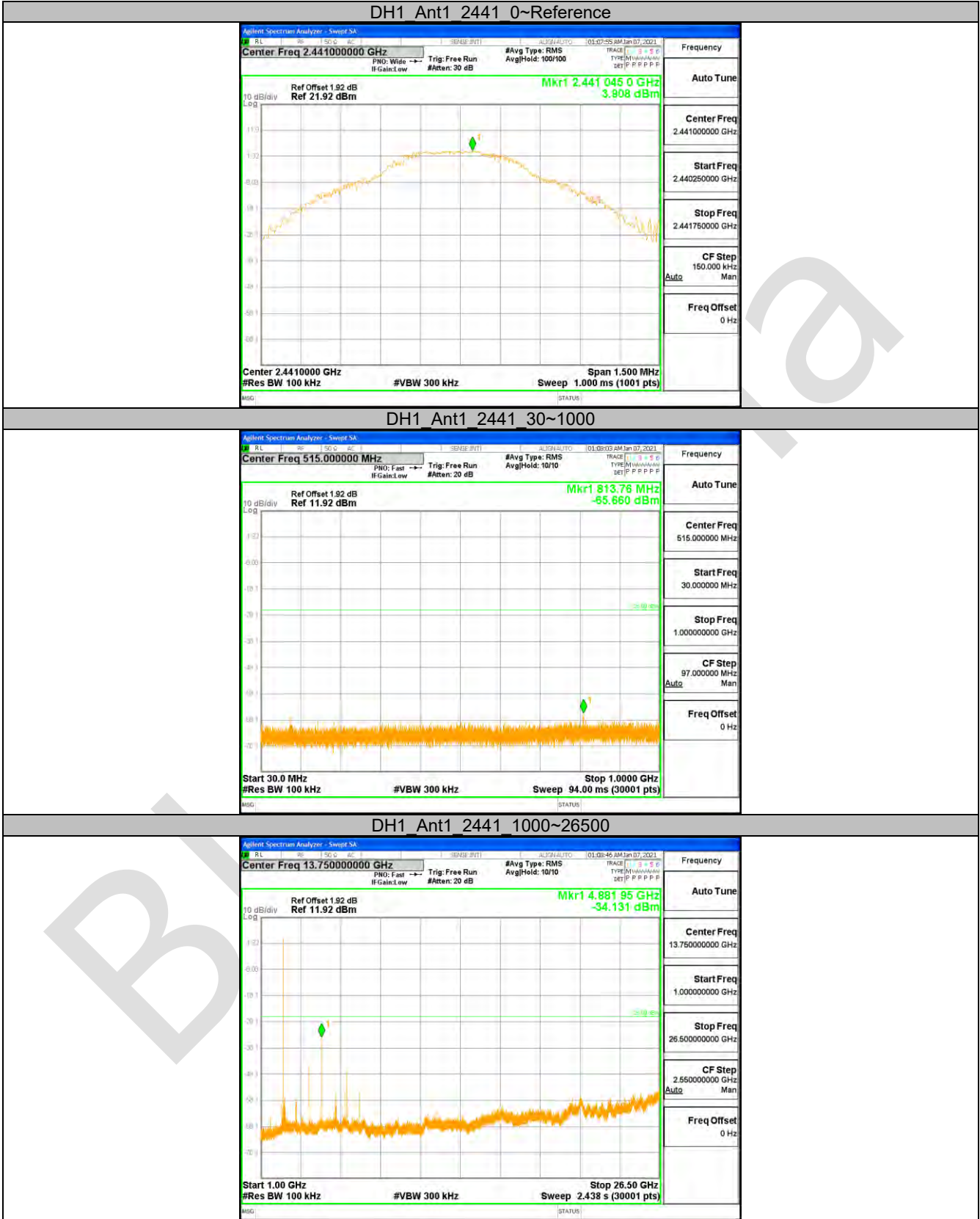


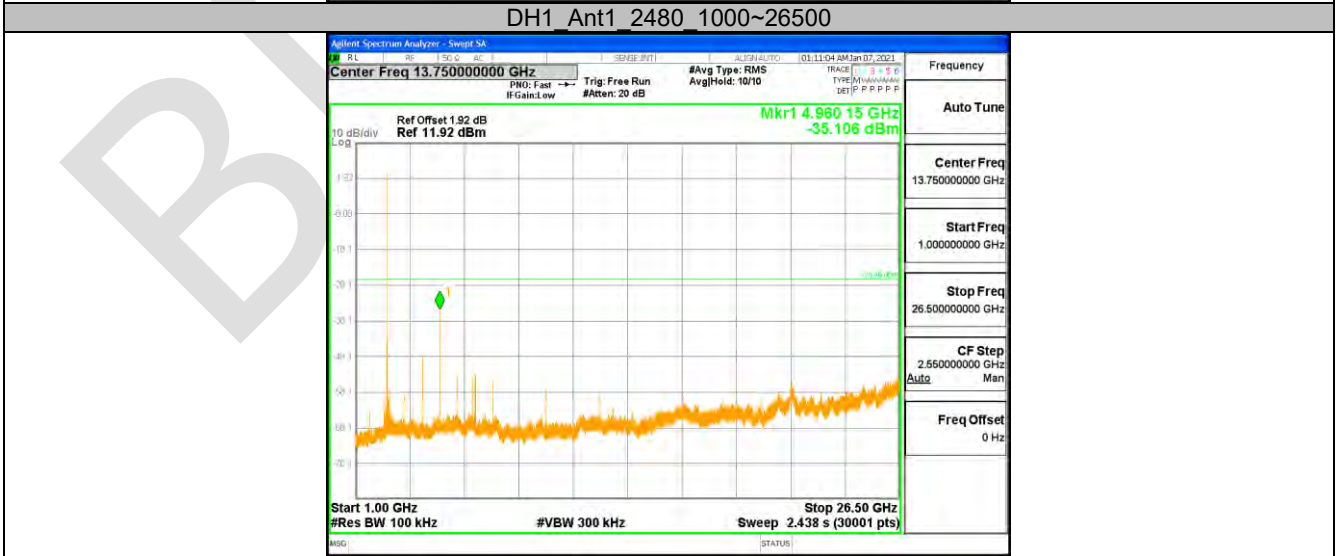
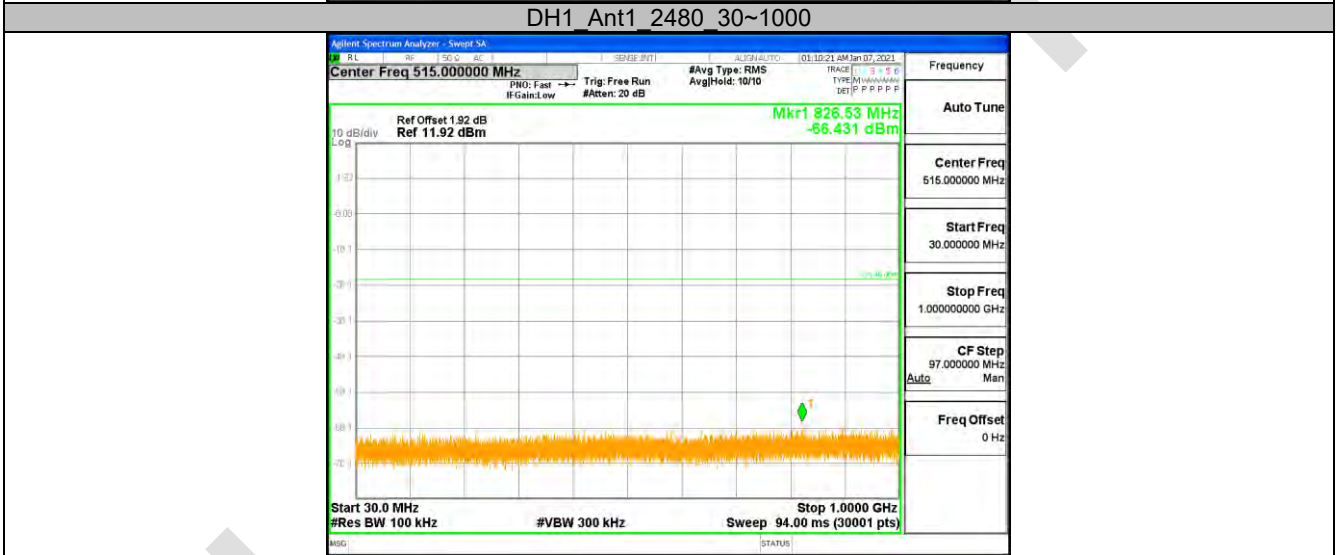
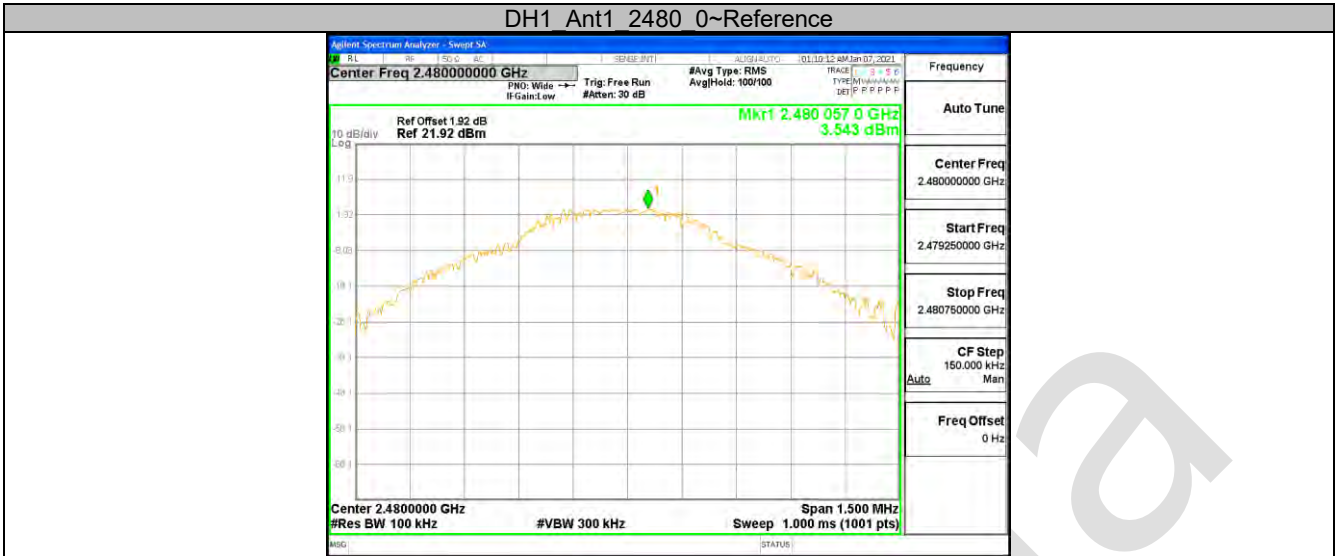
10.7 APPENDIX : CONDUCTED SPURIOUS EMISSION
Test Result

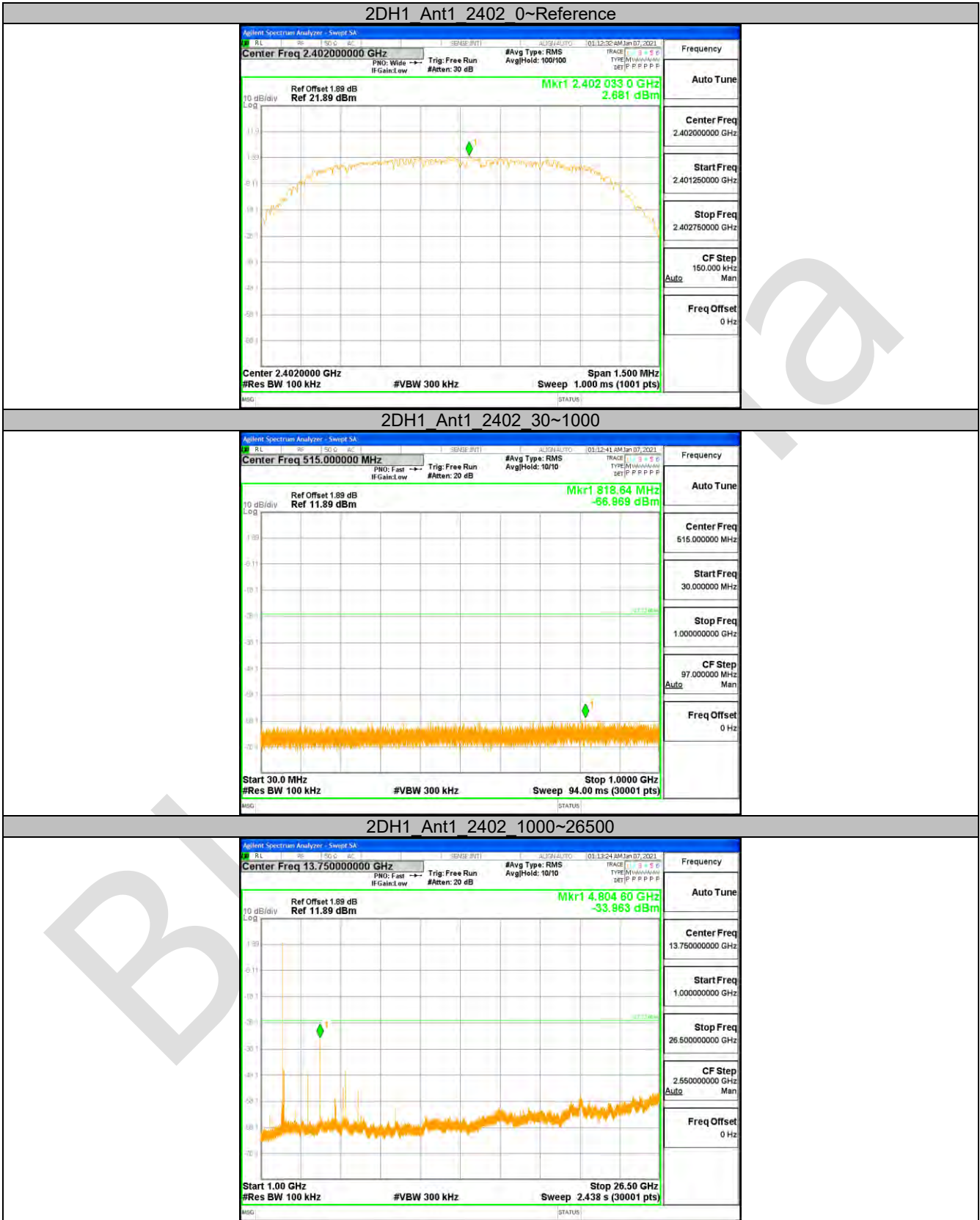
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	3.91	3.91	---	PASS
			30~1000	30~1000	-68.341	<=-26.087	PASS
			1000~26500	1000~26500	-33.113	<=-26.087	PASS
		2441	Reference	3.91	3.91	---	PASS
			30~1000	30~1000	-65.66	<=-26.092	PASS
			1000~26500	1000~26500	-34.131	<=-26.092	PASS
		2480	Reference	3.54	3.54	---	PASS
			30~1000	30~1000	-66.431	<=-26.457	PASS
			1000~26500	1000~26500	-35.106	<=-26.457	PASS
2DH1	Ant1	2402	Reference	2.68	2.68	---	PASS
			30~1000	30~1000	-66.969	<=-27.319	PASS
			1000~26500	1000~26500	-33.963	<=-27.319	PASS
		2441	Reference	2.77	2.77	---	PASS
			30~1000	30~1000	-67.588	<=-27.235	PASS
			1000~26500	1000~26500	-33.663	<=-27.235	PASS
		2480	Reference	2.35	2.35	---	PASS
			30~1000	30~1000	-66.657	<=-27.647	PASS
			1000~26500	1000~26500	-35.464	<=-27.647	PASS
3DH1	Ant1	2402	Reference	2.58	2.58	---	PASS
			30~1000	30~1000	-67.445	<=-27.424	PASS
			1000~26500	1000~26500	-35.893	<=-27.424	PASS
		2441	Reference	2.78	2.78	---	PASS
			30~1000	30~1000	-67.448	<=-27.221	PASS
			1000~26500	1000~26500	-34.77	<=-27.221	PASS
		2480	Reference	2.54	2.54	---	PASS
			30~1000	30~1000	-65.301	<=-27.46	PASS
			1000~26500	1000~26500	-36.919	<=-27.46	PASS

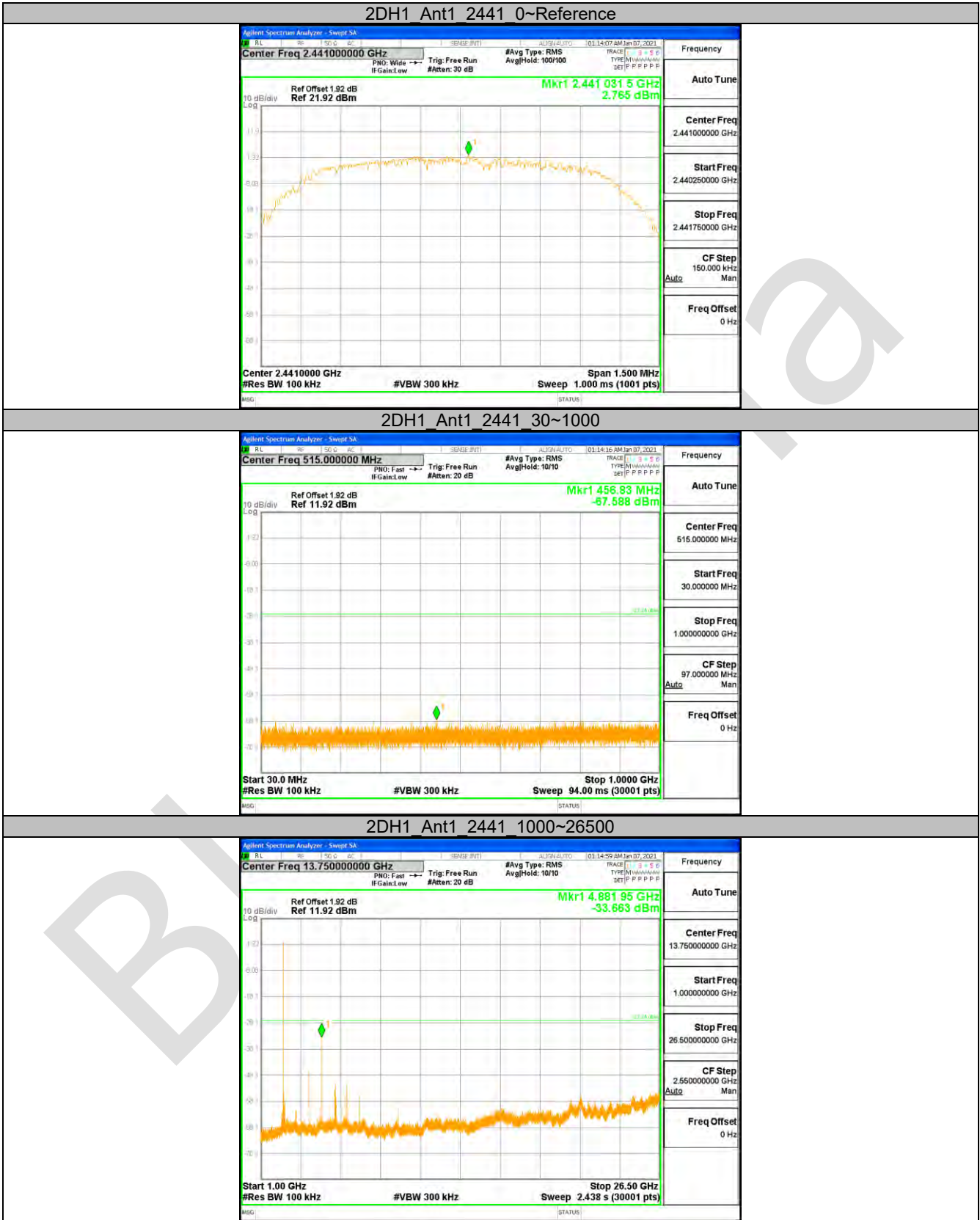
Test Graphs

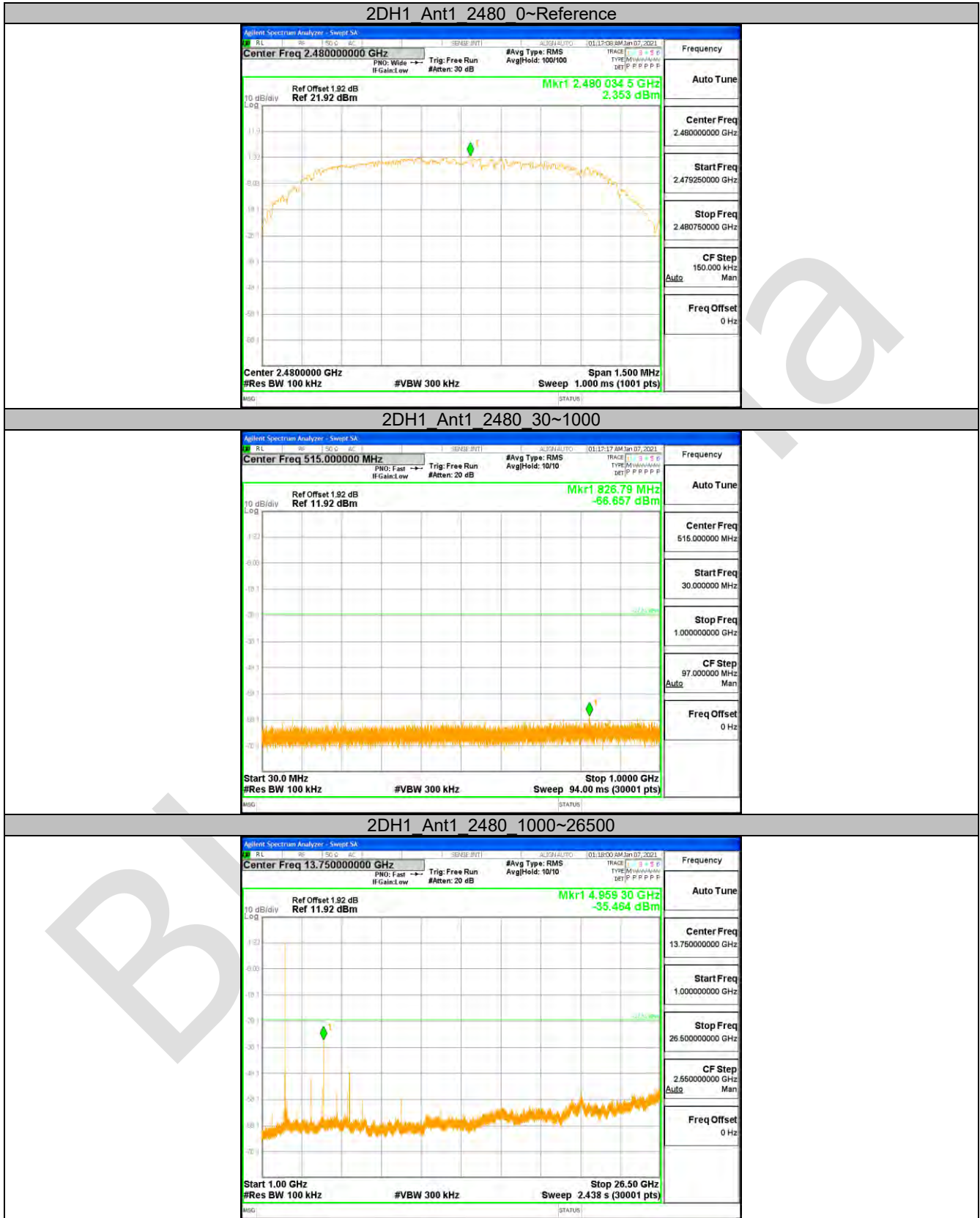


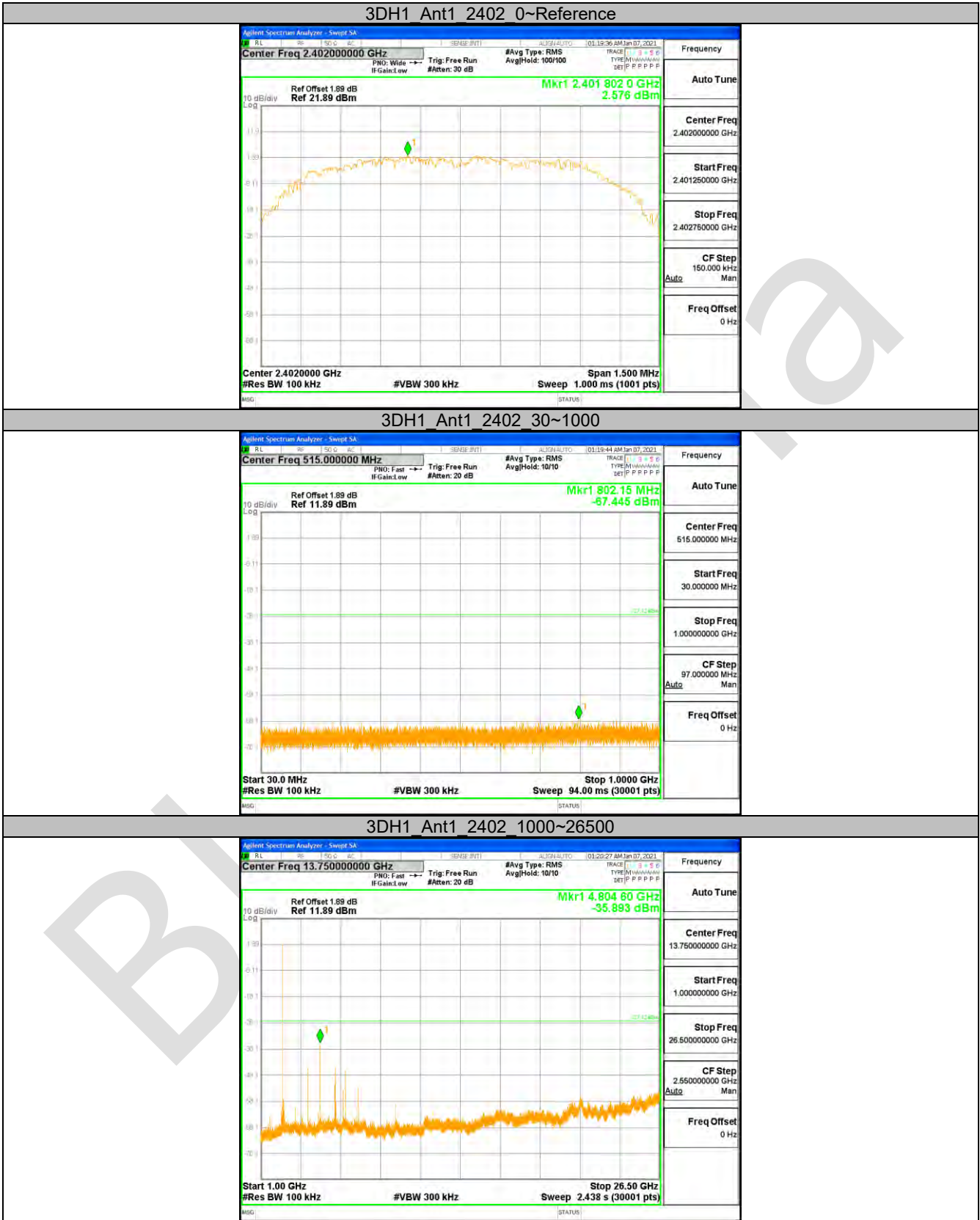


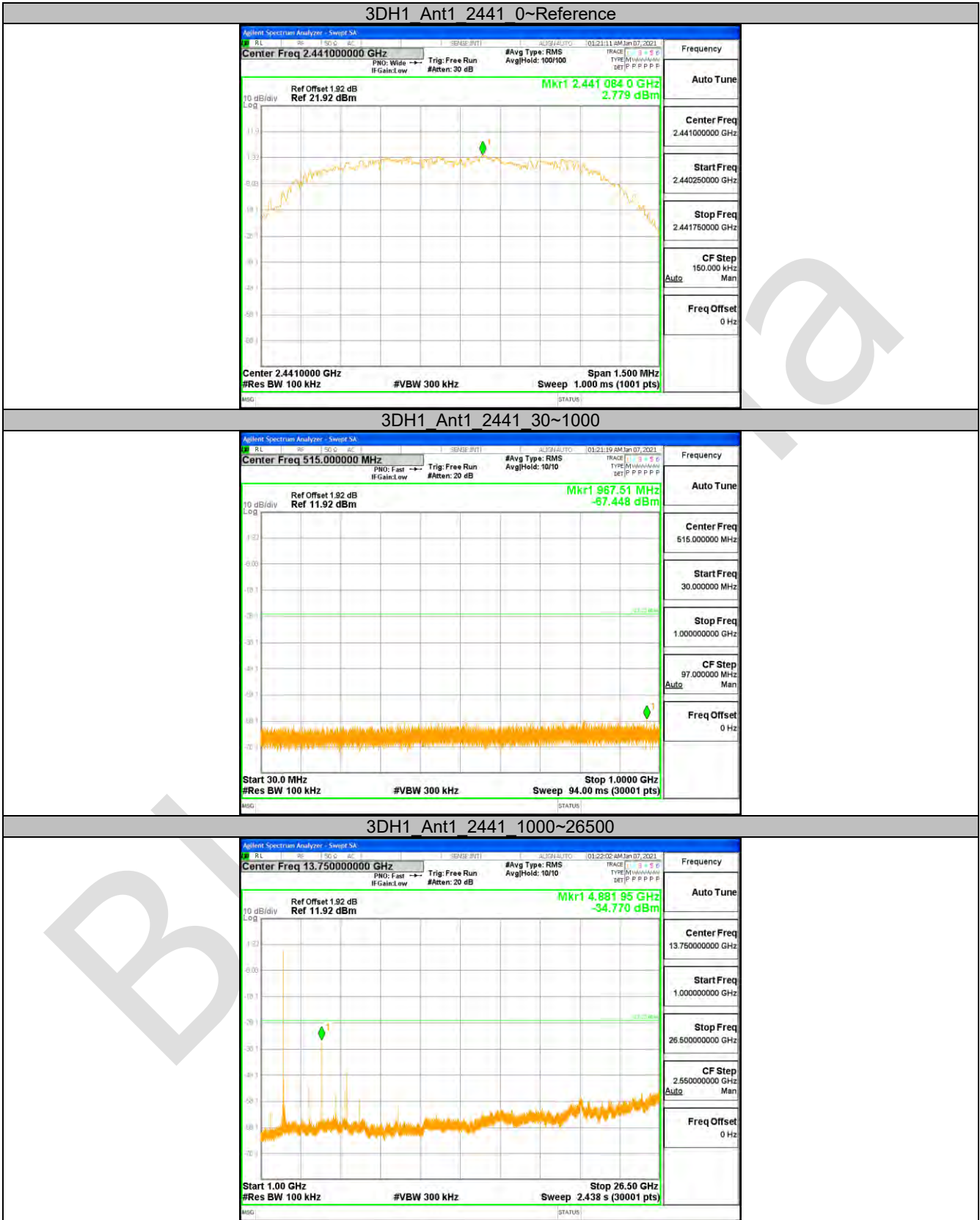


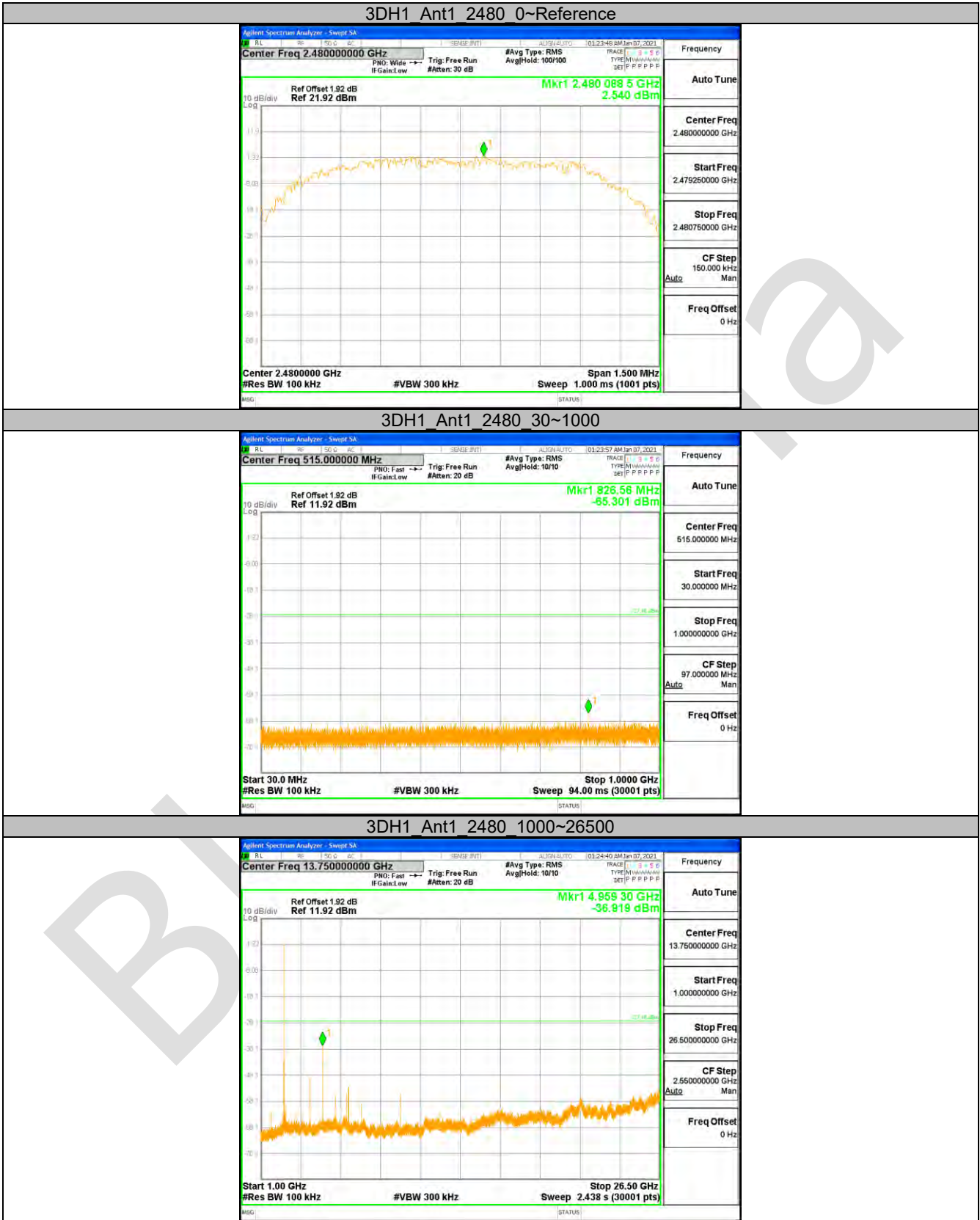






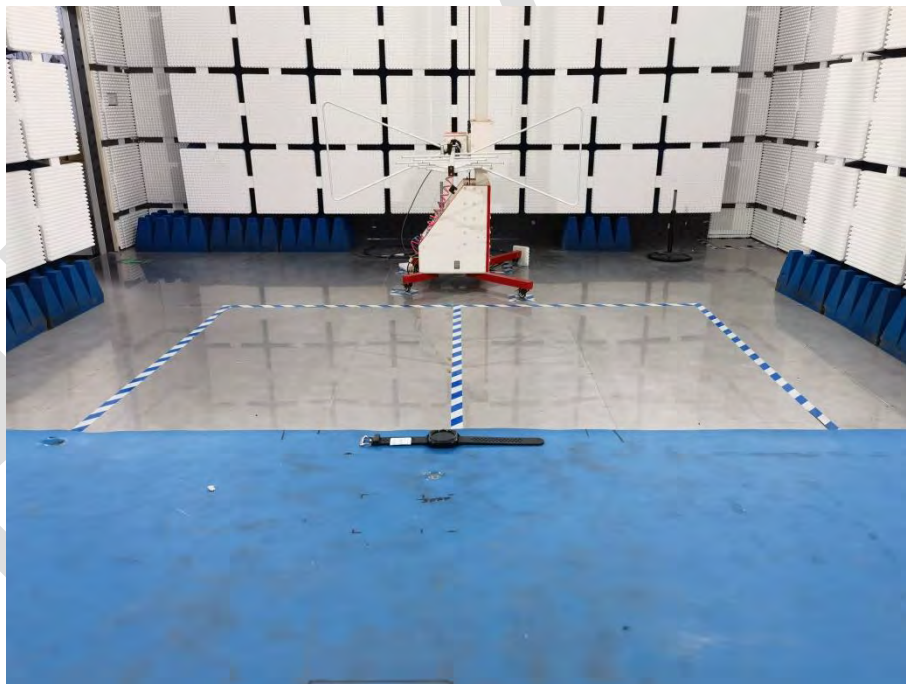






APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Radiated Spurious Emissions



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

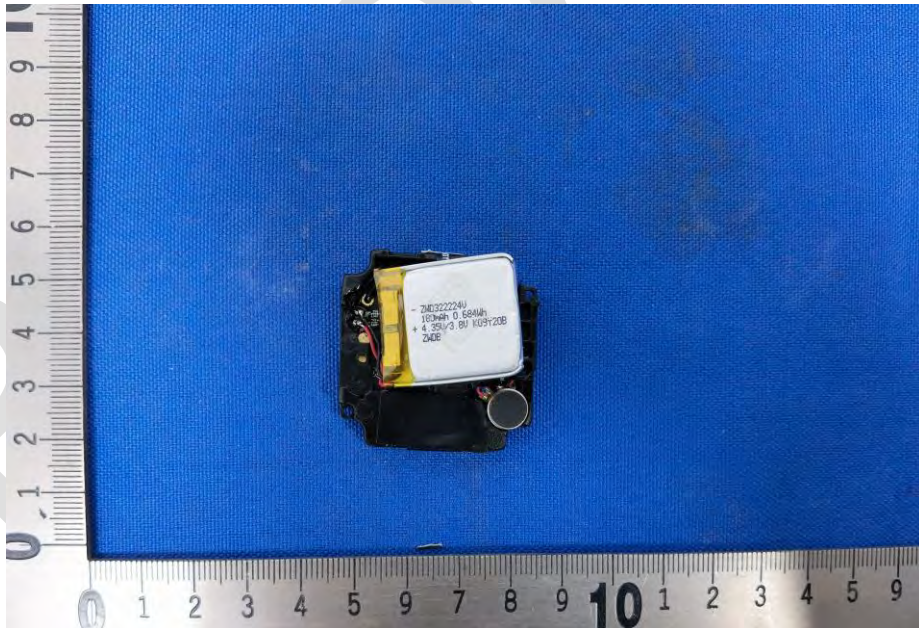
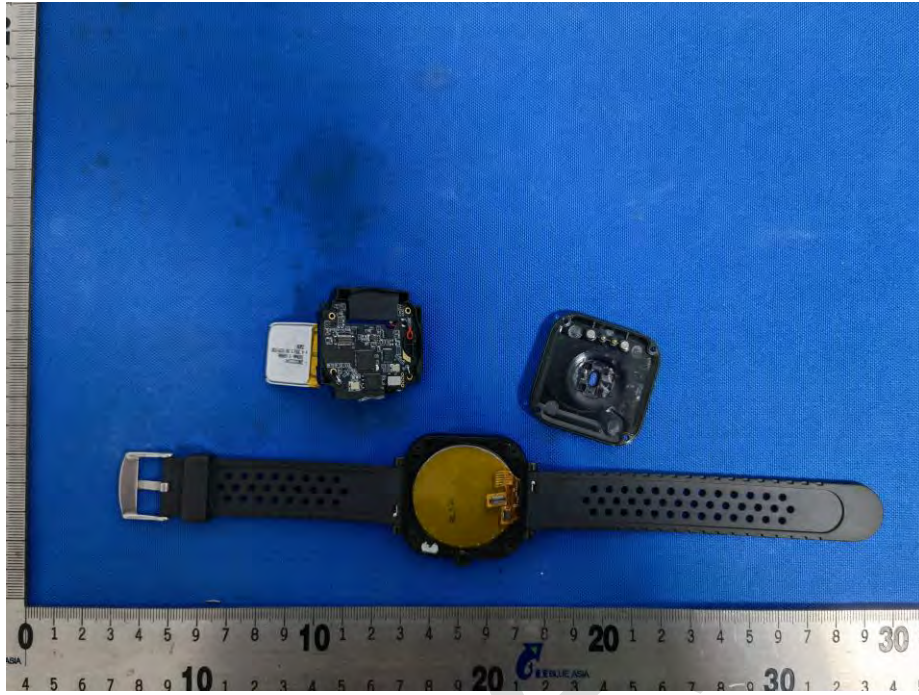


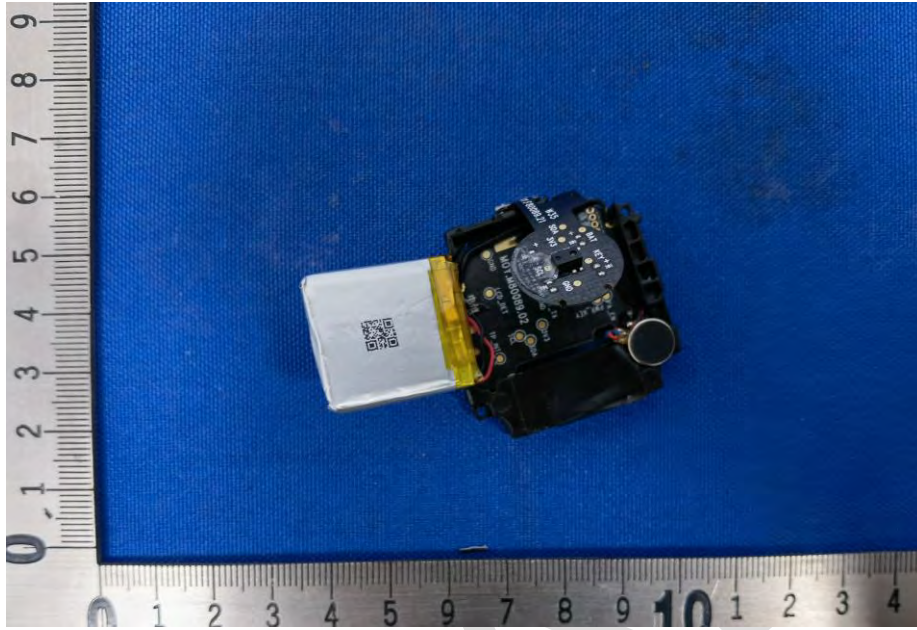
APPENDIX B: PHOTOGRAPHS OF EUT

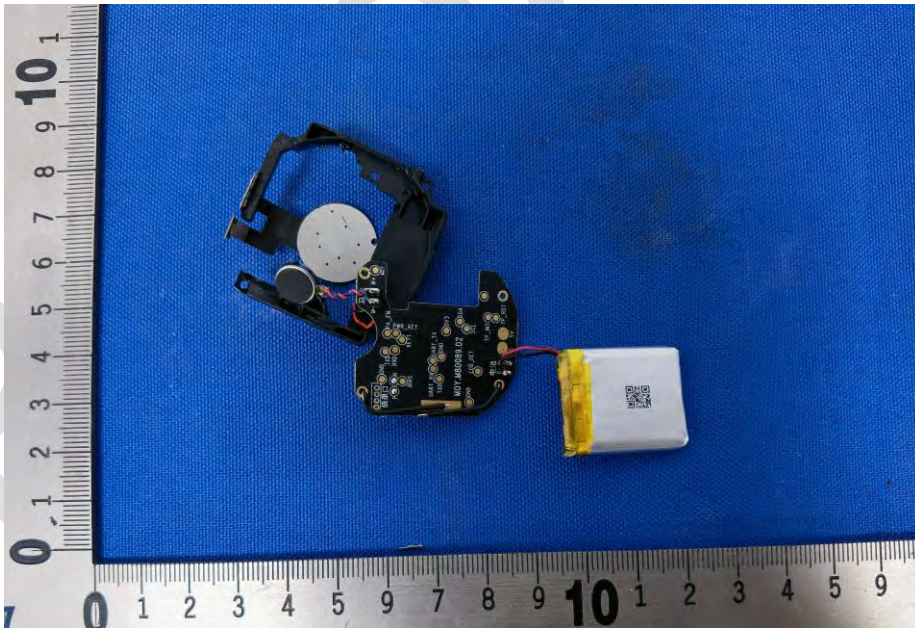
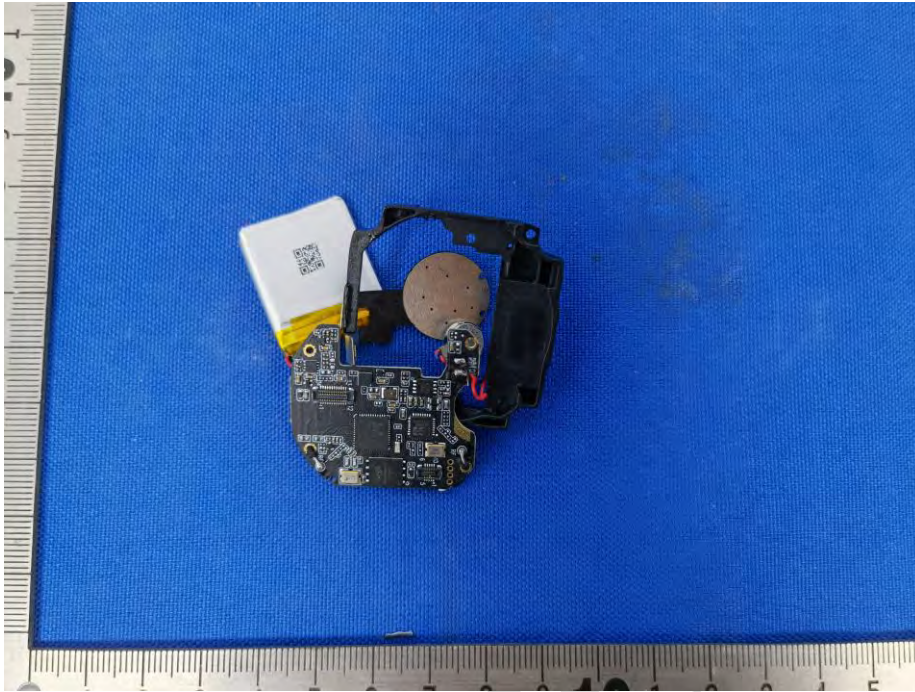












----END OF REPORT----

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.

BlueAsia