

10 APPENDIX

Appendix1

10.1 APPENDIX: 20DBEMISSION BANDWIDTH

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.095	2401.469	2402.564	---	PASS
		2441	1.098	2440.466	2441.564	---	PASS
		2480	1.098	2479.466	2480.564	---	PASS
2DH1	Ant1	2402	1.359	2401.328	2402.687	---	PASS
		2441	1.359	2440.328	2441.687	---	PASS
		2480	1.356	2479.328	2480.684	---	PASS
3DH1	Ant1	2402	1.329	2401.355	2402.684	---	PASS
		2441	1.332	2440.352	2441.684	---	PASS
		2480	1.332	2479.352	2480.684	---	PASS

Test Graphs







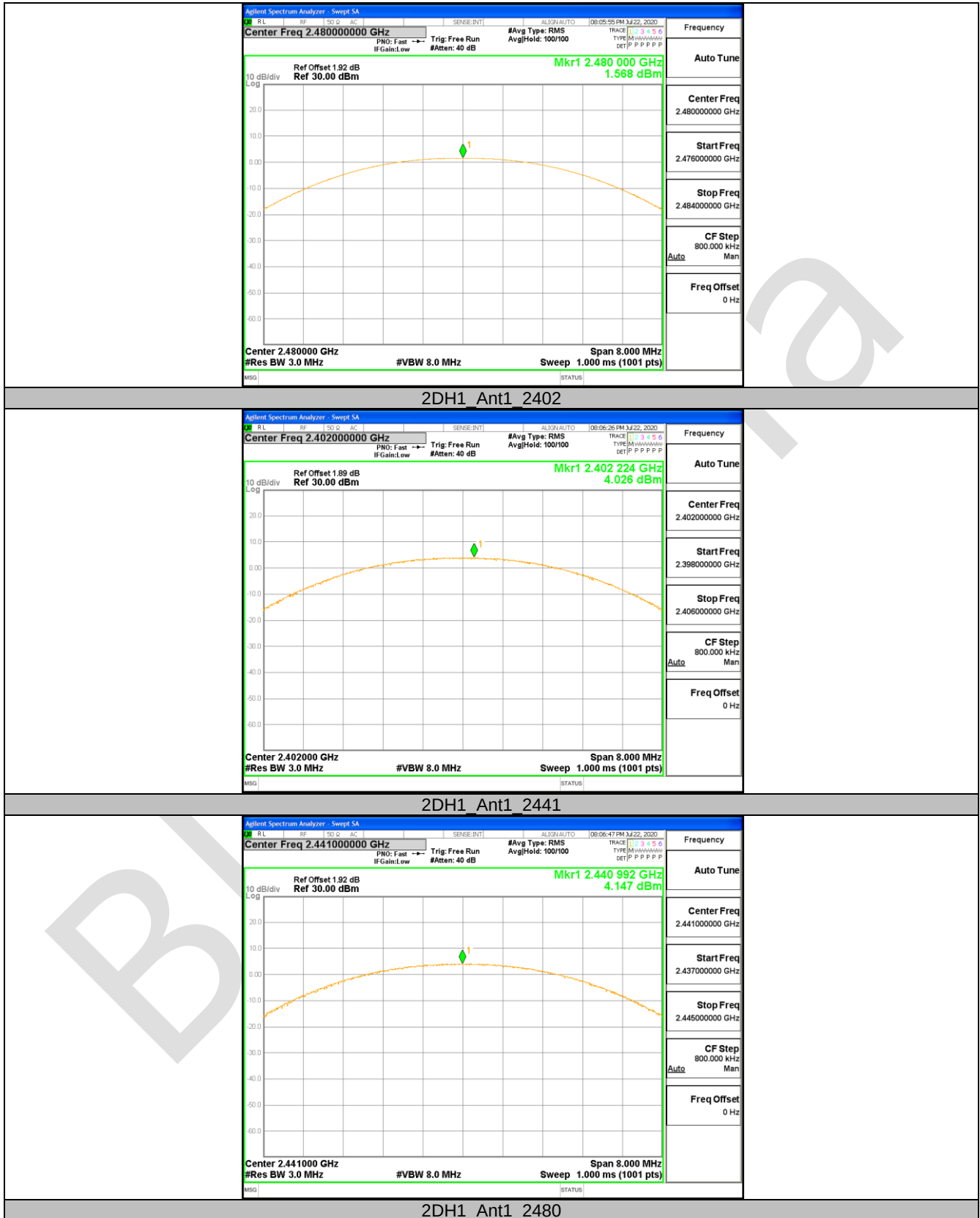
10.2 APPENDIX: MAXIMUM CONDUCTED OUTPUT POWER

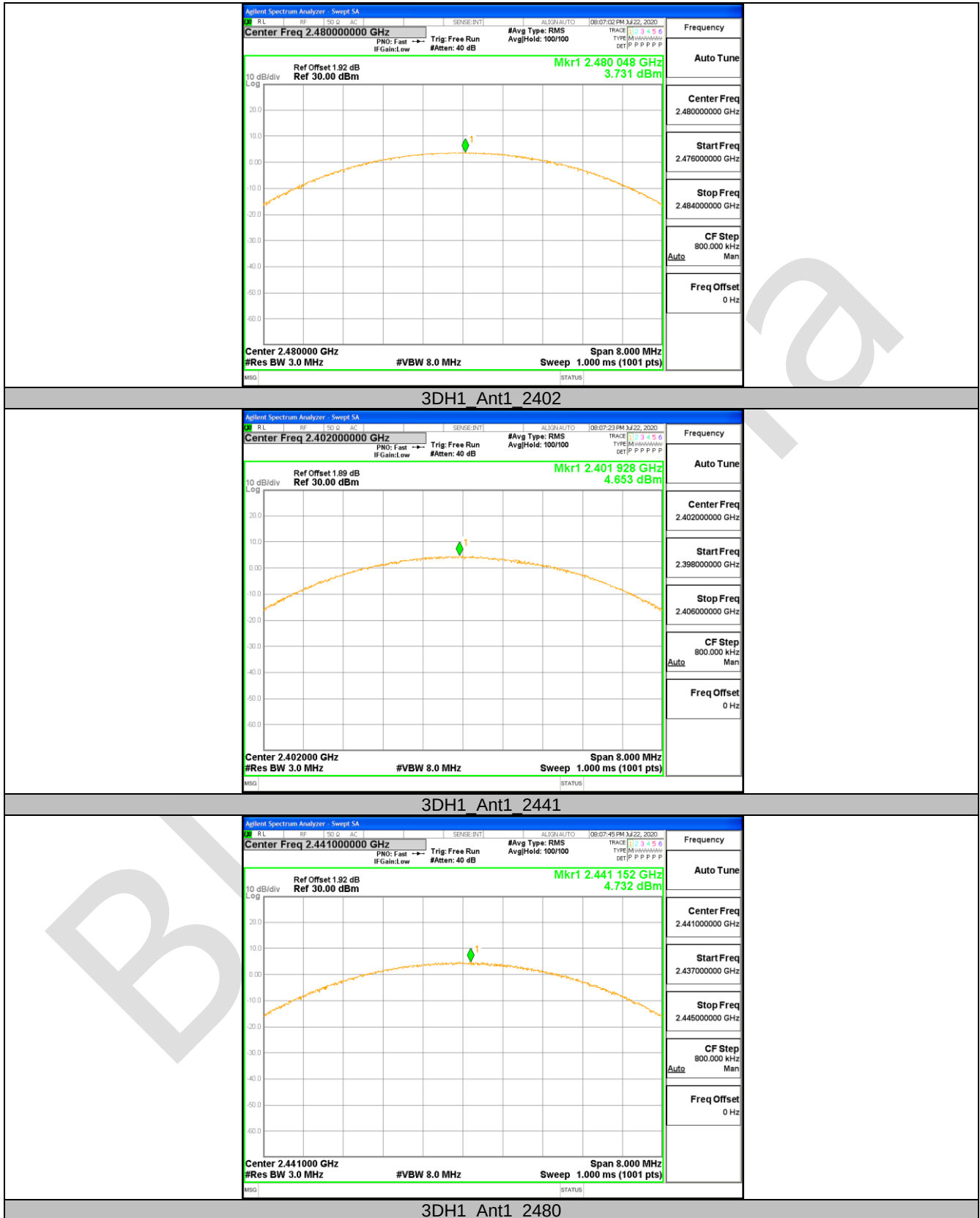
Test Result

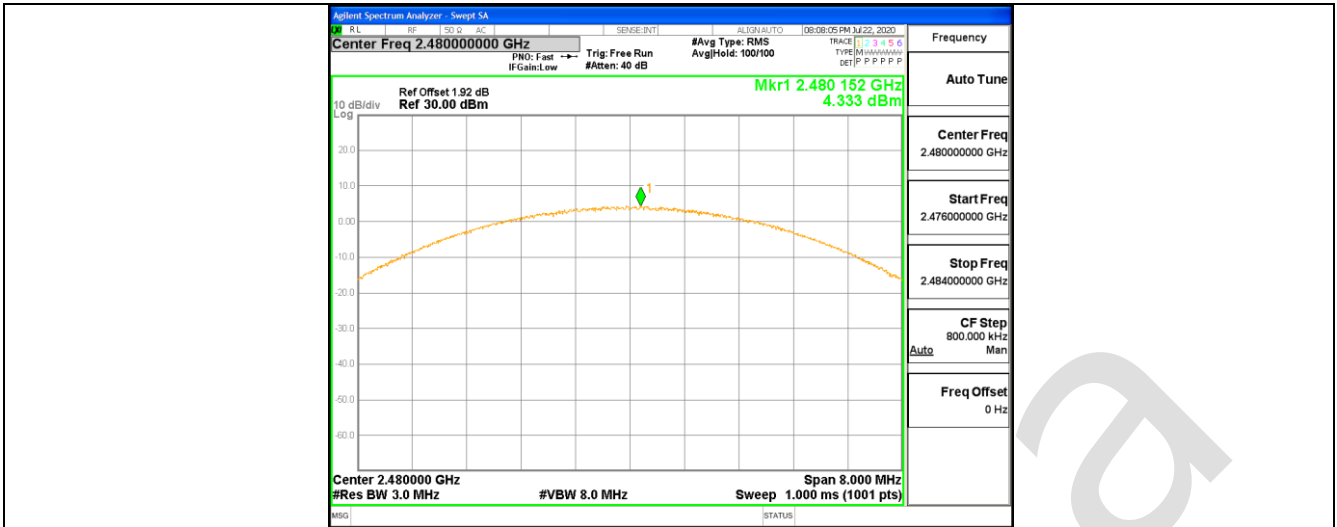
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	1.77	<=20.97	PASS
		2441	1.89	<=20.97	PASS
		2480	1.57	<=20.97	PASS
2DH1	Ant1	2402	4.03	<=20.97	PASS
		2441	4.15	<=20.97	PASS
		2480	3.73	<=20.97	PASS
3DH1	Ant1	2402	4.65	<=20.97	PASS
		2441	4.73	<=20.97	PASS
		2480	4.33	<=20.97	PASS

Test Graphs









10.3 APPENDIX: CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.008	≥ 0.732	PASS
2DH1	Ant1	Hop	1	≥ 0.906	PASS
3DH1	Ant1	Hop	1.33	≥ 0.888	PASS

Test Graphs



10.4 APPENDIX: TIME OF OCCUPANCY

Test Result

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	DH1/2-DH1/3-DH1	124.80	400	Pass
2441MHz	DH3/2-DH3/3-DH3	265.92	400	Pass
2441MHz	DH5/2-DH5/3-DH5	310.61	400	Pass

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

Test channel: 2441MHz as blow

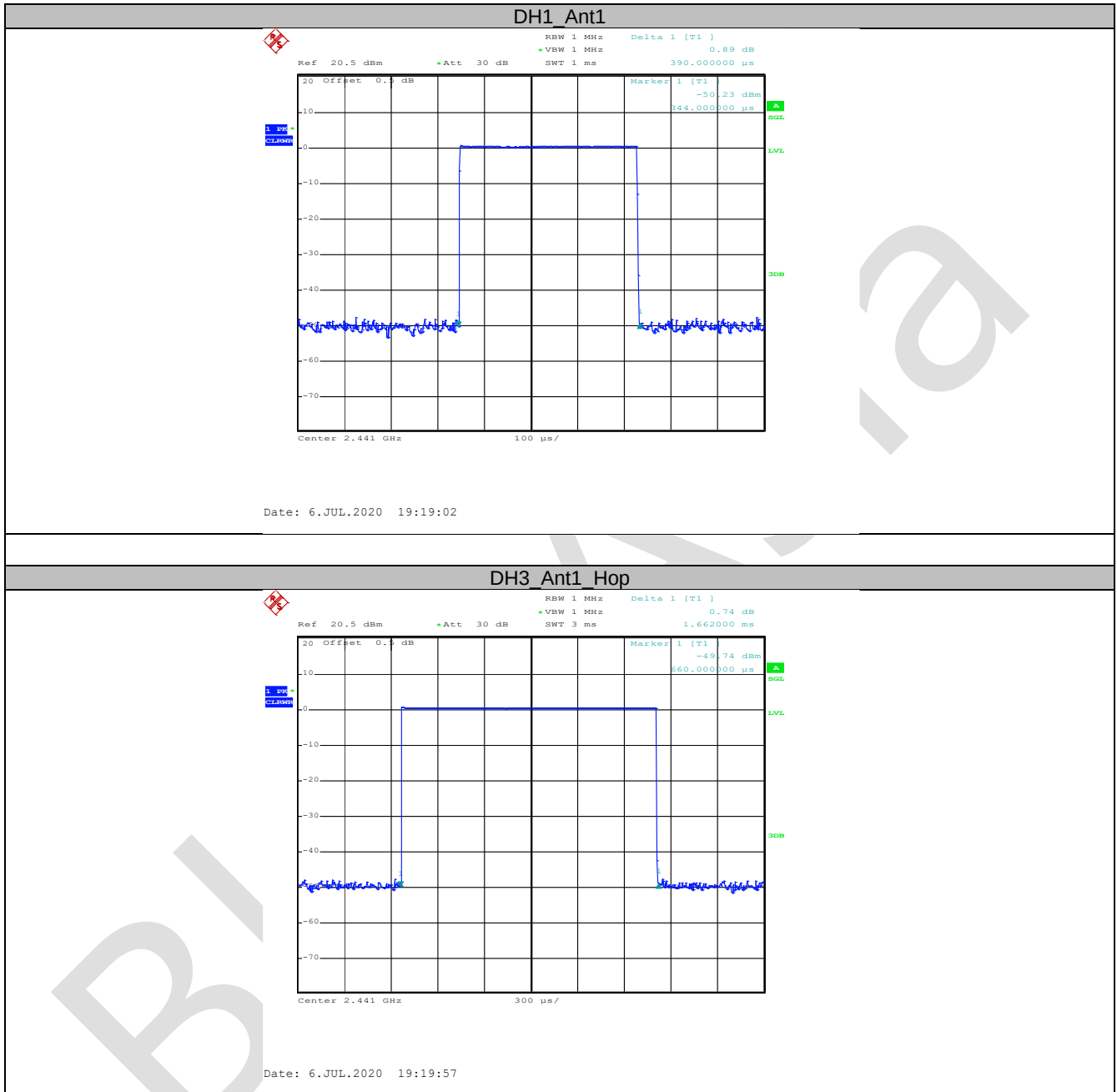
DH1/2-DH1/3-DH1 time slot = $0.390(\text{ms}) \times (1600 / (2 \times 79)) \times 31.6 = 124.80\text{ms}$

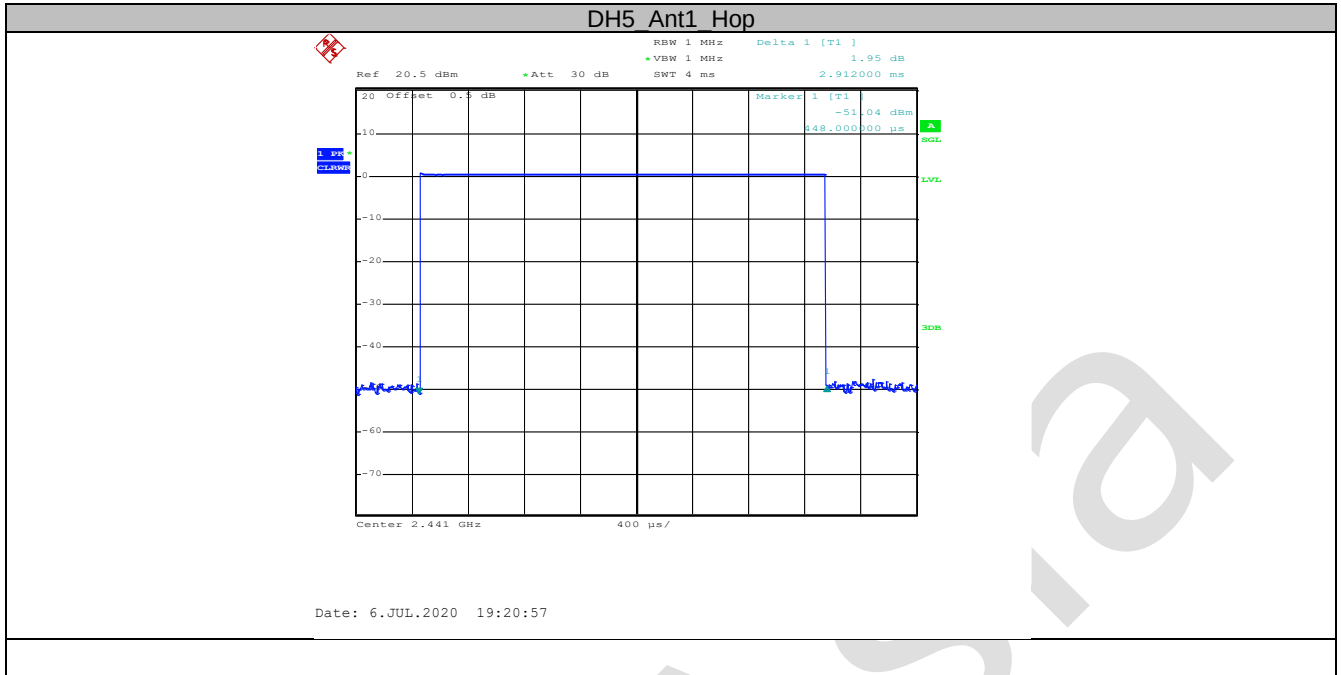
DH3/2-DH3/3-DH3 time slot = $1.662(\text{ms}) \times (1600 / (4 \times 79)) \times 31.6 = 265.92\text{ms}$

DH5/2-DH5/3-DH5 time slot = $2.912(\text{ms}) \times (1600 / (6 \times 79)) \times 31.6 = 310.61\text{ms}$

Test plot as follows:

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



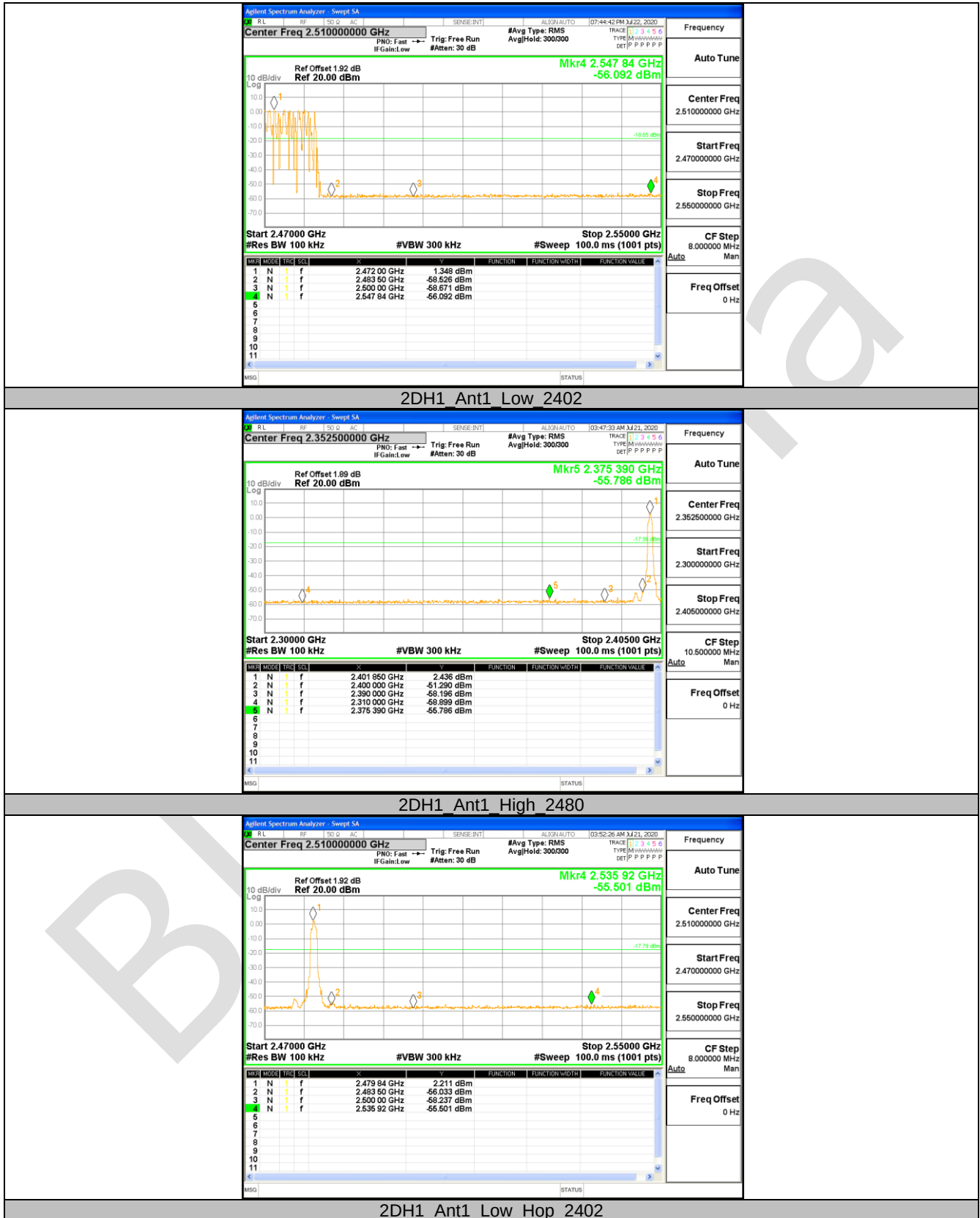
10.6 APPENDIX: BAND EDGE MEASUREMENTS

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	1.28	-56.19	<=-18.72	PASS
		High	2480	1.18	-55.41	<=-18.82	PASS
		Low	Hop_2402	1.29	-56.25	-18.71	PASS
		High	Hop_2480	1.35	-56.09	-18.65	PASS
2DH1	Ant1	Low	2402	2.44	-55.79	<=-17.56	PASS
		High	2480	2.21	-55.5	<=-17.79	PASS
		Low	Hop_2402	2.53	-56.09	-17.47	PASS
		High	Hop_2480	2.44	-54.94	-17.56	PASS
3DH1	Ant1	Low	2402	2.44	-56.26	<=-17.56	PASS
		High	2480	2.23	-55.11	<=-17.77	PASS
		Low	Hop_2402	2.68	-56.46	-17.32	PASS
		High	Hop_2480	2.00	-55.85	-18	PASS

Test Graphs









10.7 APPENDIX: CONDUCTED SPURIOUS EMISSION

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	1.27	1.27	---	PASS
			30~1000	30~1000	-68.239	<=-18.726	PASS
			1000~26500	1000~26500	-51.858	<=-18.726	PASS
		2441	Reference	1.31	1.31	---	PASS
			30~1000	30~1000	-66.97	<=-18.688	PASS
			1000~26500	1000~26500	-53.745	<=-18.688	PASS
		2480	Reference	1.10	1.10	---	PASS
			30~1000	30~1000	-67.646	<=-18.901	PASS
			1000~26500	1000~26500	-53.587	<=-18.901	PASS
2DH1	Ant1	2402	Reference	2.43	2.43	---	PASS
			30~1000	30~1000	-66.855	<=-17.566	PASS
			1000~26500	1000~26500	-53.491	<=-17.566	PASS
		2441	Reference	2.27	2.27	---	PASS
			30~1000	30~1000	-67.175	<=-17.727	PASS
			1000~26500	1000~26500	-53.161	<=-17.727	PASS
		2480	Reference	2.16	2.16	---	PASS
			30~1000	30~1000	-67.021	<=-17.839	PASS
			1000~26500	1000~26500	-53.27	<=-17.839	PASS
3DH1	Ant1	2402	Reference	2.05	2.05	---	PASS
			30~1000	30~1000	-67.498	<=-17.954	PASS
			1000~26500	1000~26500	-53.227	<=-17.954	PASS
		2441	Reference	2.24	2.24	---	PASS
			30~1000	30~1000	-67.575	<=-17.761	PASS
			1000~26500	1000~26500	-53.429	<=-17.761	PASS
		2480	Reference	2.11	2.11	---	PASS
			30~1000	30~1000	-67.599	<=-17.891	PASS
			1000~26500	1000~26500	-52.974	<=-17.891	PASS

Test Graphs



