

Appendix: Bluetooth Classic

Contents

Appendix A: 20dB Emission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	9
Test Result.....	9
Test Graphs.....	10
Appendix C: Maximum conducted output power.....	15
Test Result.....	15
Test Graphs.....	16
Appendix D: Carrier frequency separation.....	21
Test Result.....	21
Test Graphs.....	22
Appendix E: Time of occupancy.....	24
Test Result.....	24
Test Graphs.....	25
Appendix F: Number of hopping channels.....	34
Test Result.....	34
Test Graphs.....	35
Appendix G: Band edge measurements.....	37
Test Result.....	37
Test Graphs.....	38
Appendix H: Conducted Spurious Emission.....	44
Test Result.....	44
Test Graphs.....	46
Appendix I: Duty Cycle.....	60
Test Result.....	60
Test Graphs.....	61

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.876	2401.556	2402.432	---	PASS
		2441	0.924	2440.550	2441.474	---	PASS
		2480	0.942	2479.535	2480.477	---	PASS
2DH5	Ant1	2402	1.344	2401.328	2402.672	---	PASS
		2441	1.338	2440.331	2441.669	---	PASS
		2480	1.281	2479.376	2480.657	---	PASS
3DH5	Ant1	2402	1.263	2401.355	2402.618	---	PASS
		2441	1.341	2440.319	2441.660	---	PASS
		2480	1.266	2479.355	2480.621	---	PASS

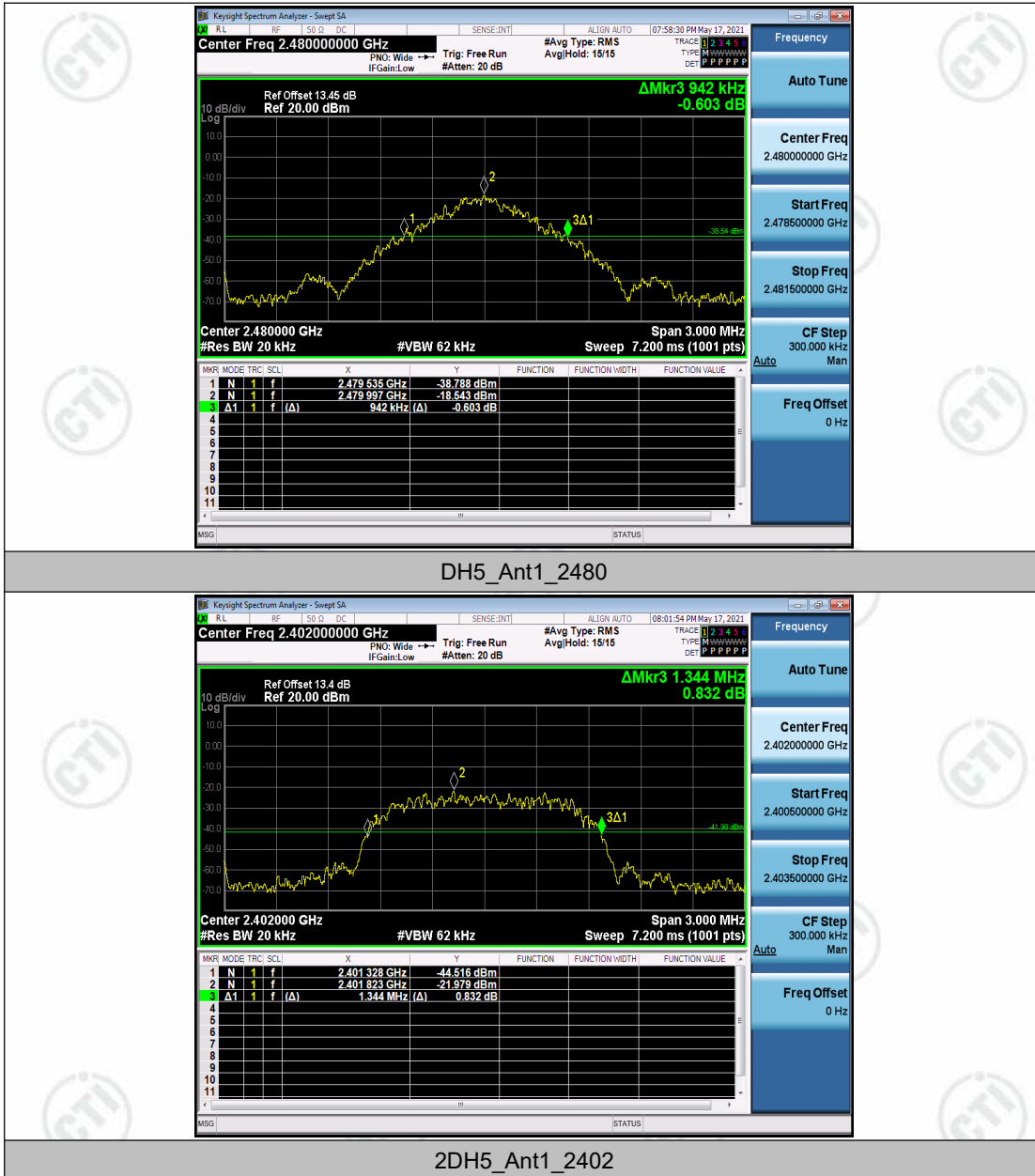
Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441





2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85295	2401.56 9	2402.422	---	PASS
		2441	0.87680	2440.55 8	2441.435	---	PASS
		2480	0.84950	2479.57 0	2480.419	---	PASS
2DH5	Ant1	2402	1.2007	2401.39 8	2402.599	---	PASS
		2441	1.1928	2440.40 9	2441.602	---	PASS
		2480	1.1914	2479.41 1	2480.602	---	PASS
3DH5	Ant1	2402	1.1729	2401.41 0	2402.583	---	PASS
		2441	1.2104	2440.38 9	2441.600	---	PASS
		2480	1.1821	2479.40 7	2480.589	---	PASS

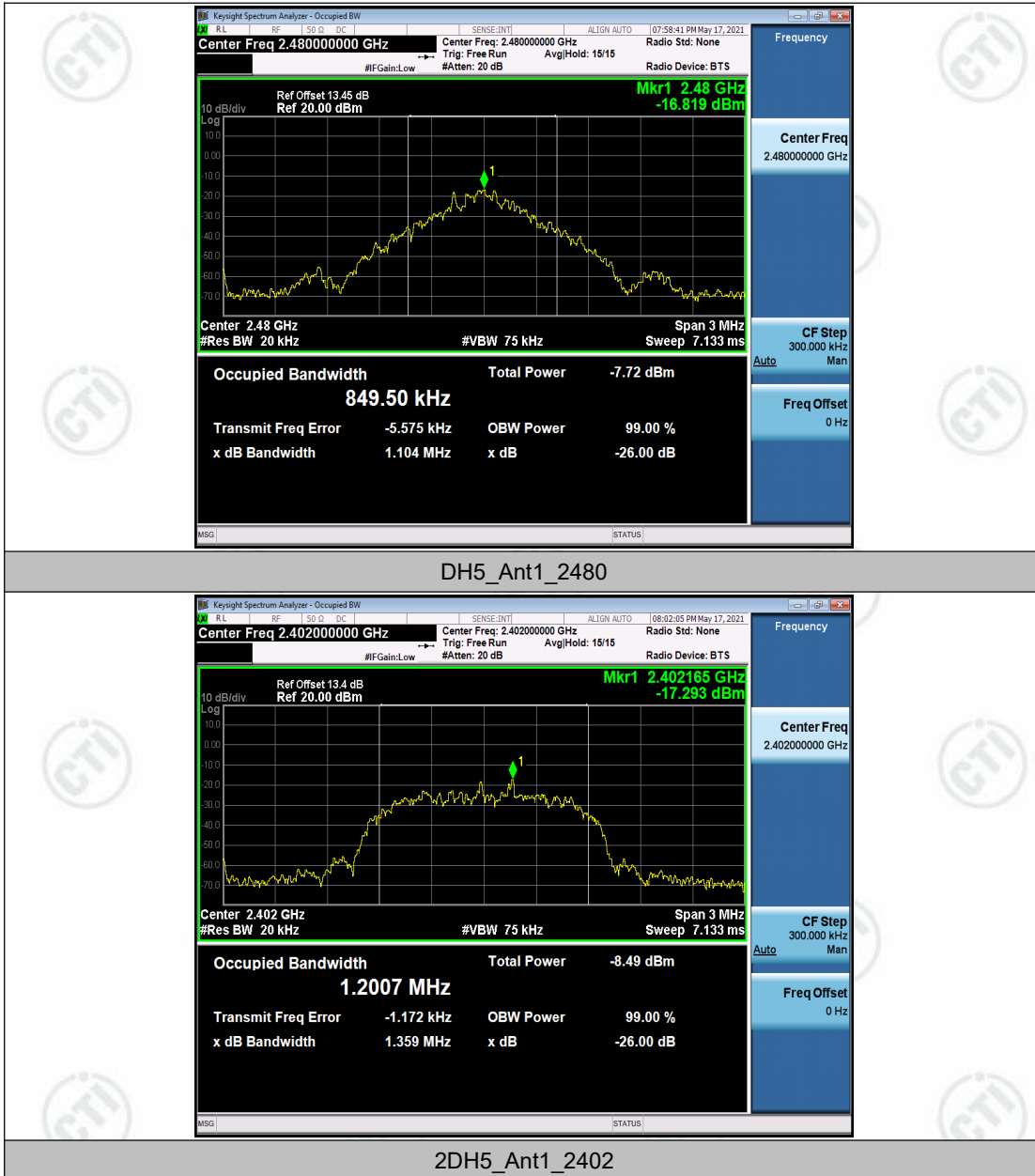
Test Graphs

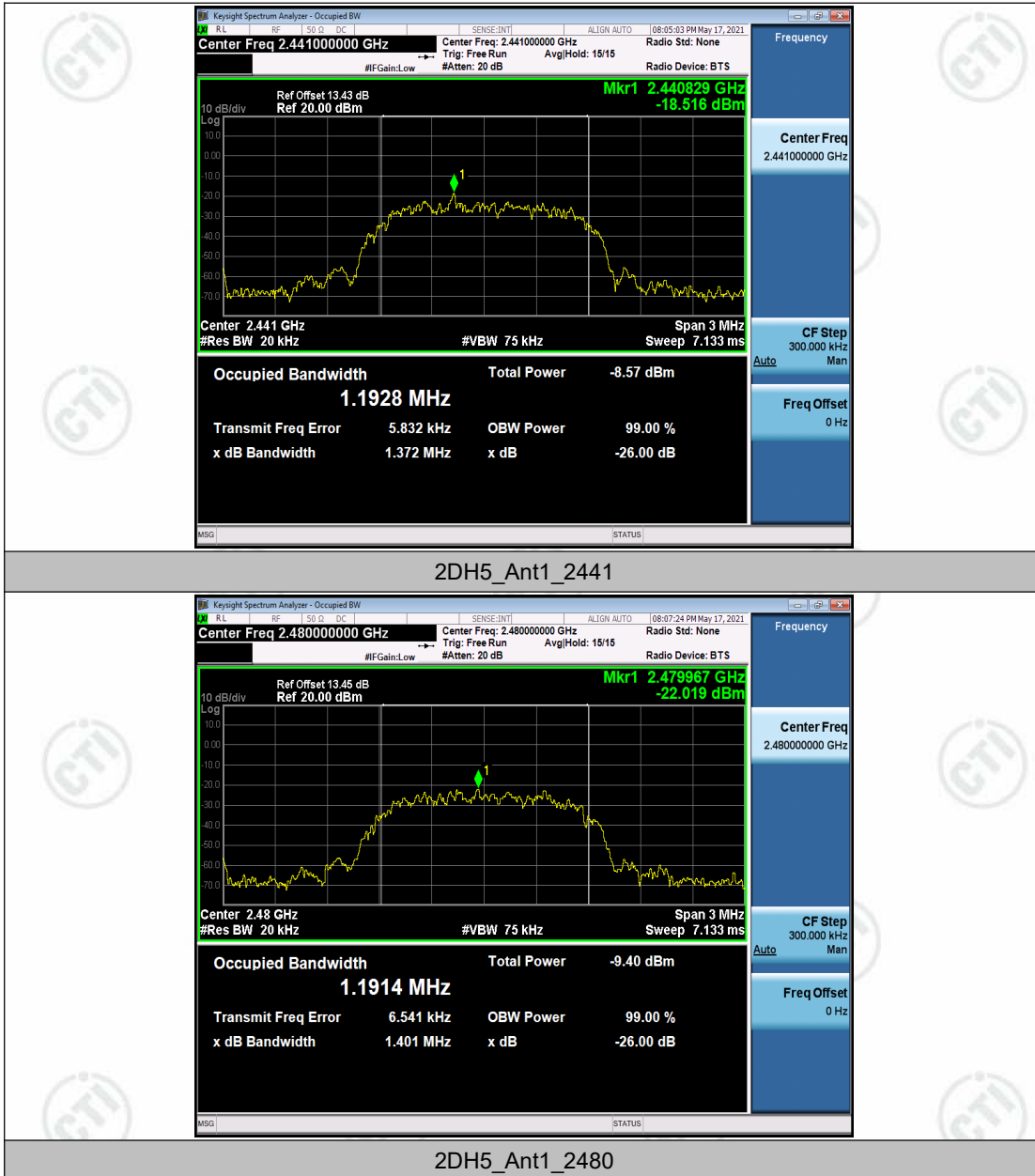


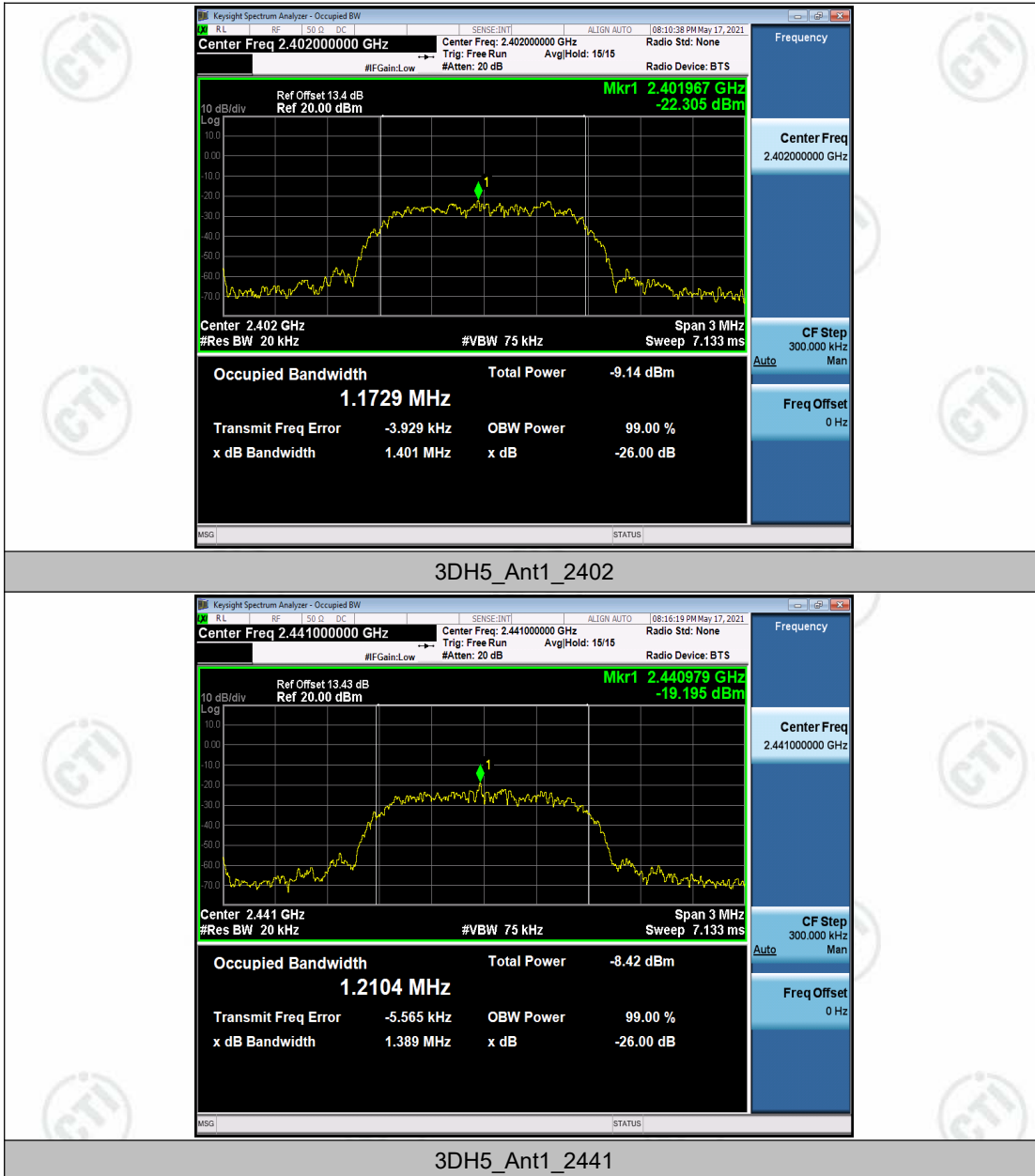
DH5_Ant1_2402

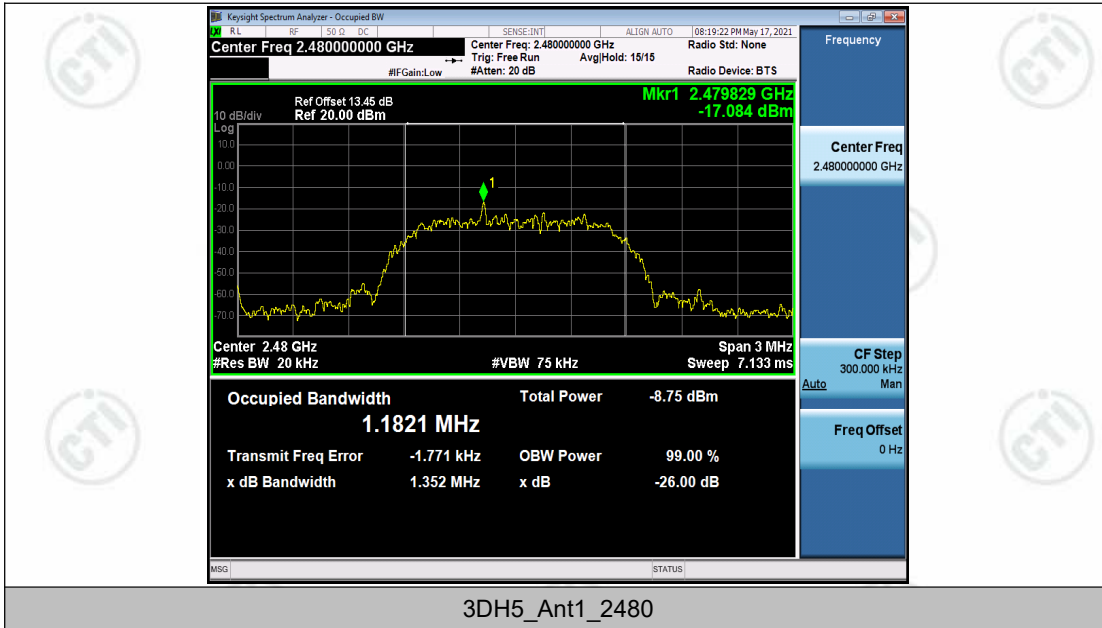


DH5_Ant1_2441









Appendix C: Maximum conducted output power

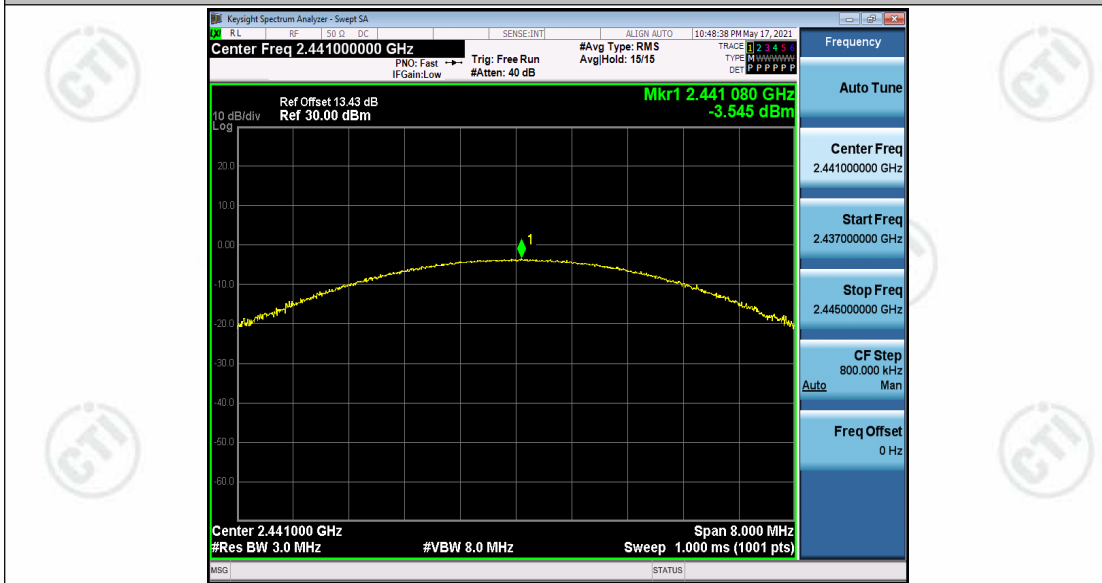
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-5.08	<=30	PASS
		2441	-3.55	<=30	PASS
		2480	-3.05	<=30	PASS
2DH5	Ant1	2402	-5.92	<=20.97	PASS
		2441	-4.23	<=20.97	PASS
		2480	-3.98	<=20.97	PASS
3DH5	Ant1	2402	-5.93	<=20.97	PASS
		2441	-4.43	<=20.97	PASS
		2480	-3.63	<=20.97	PASS

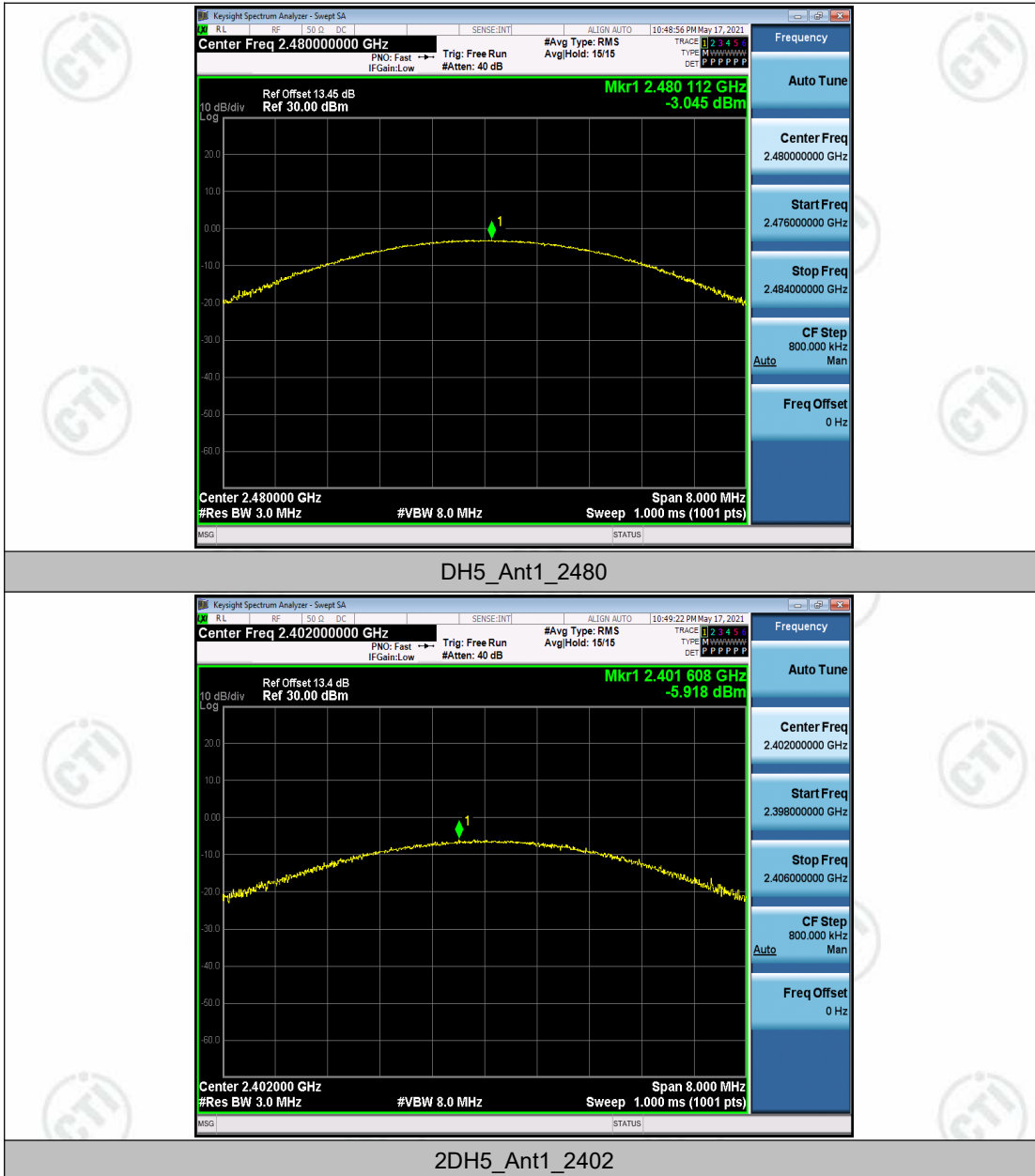
Test Graphs

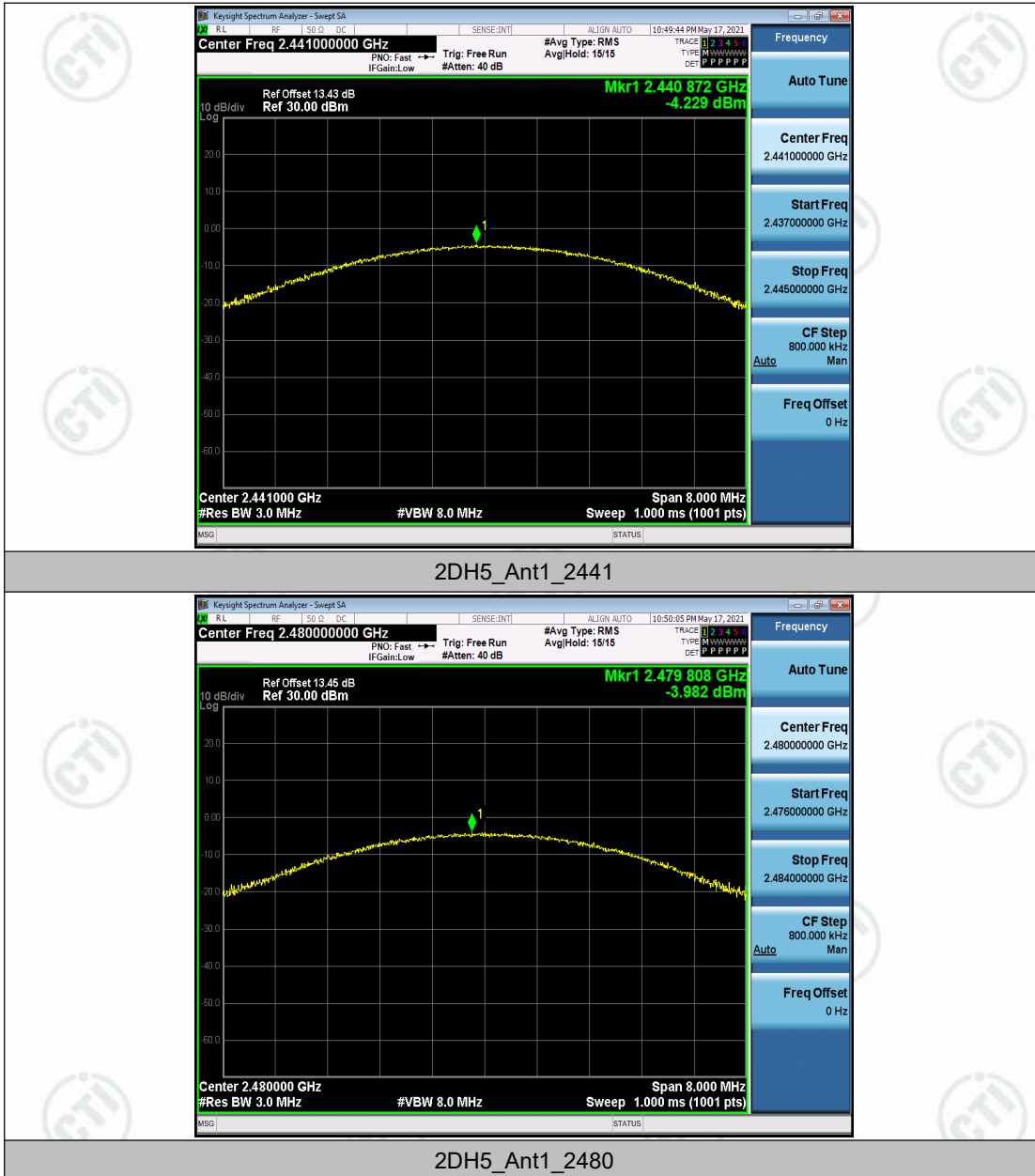


DH5_Ant1_2402



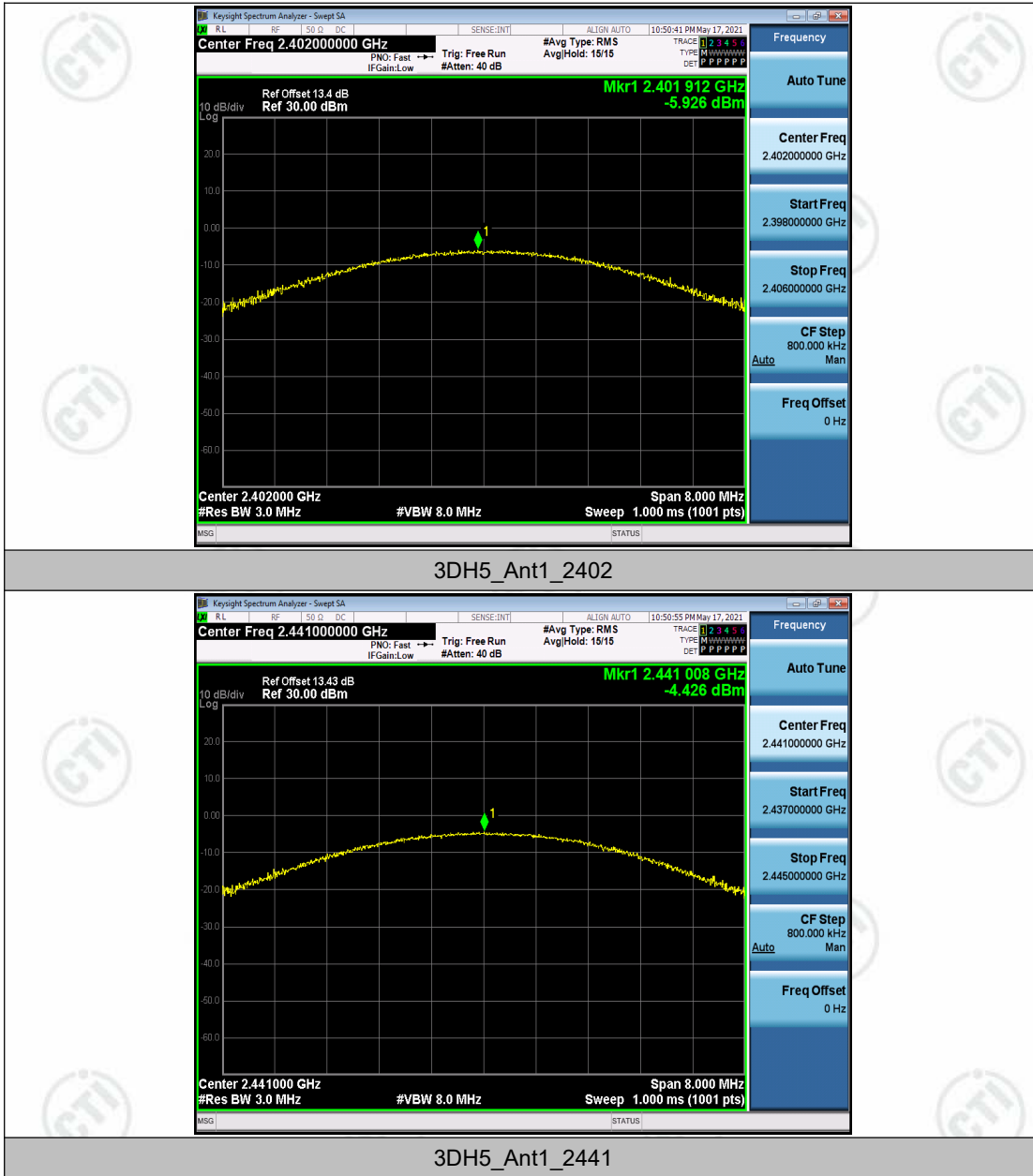
DH5_Ant1_2441

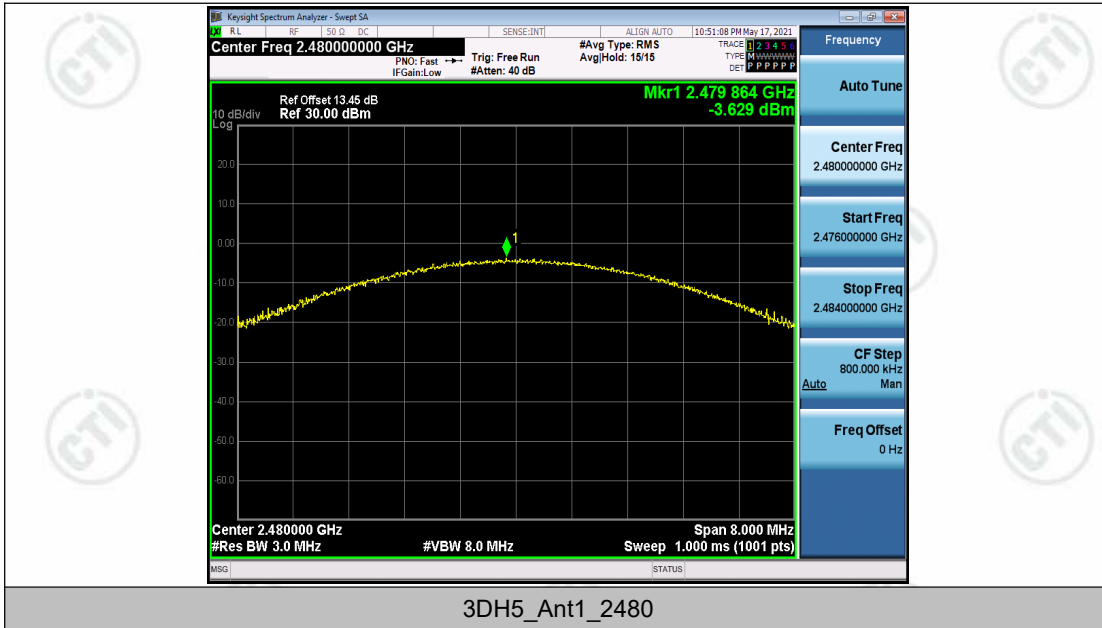




2DH5_Ant1_2441

2DH5_Ant1_2480





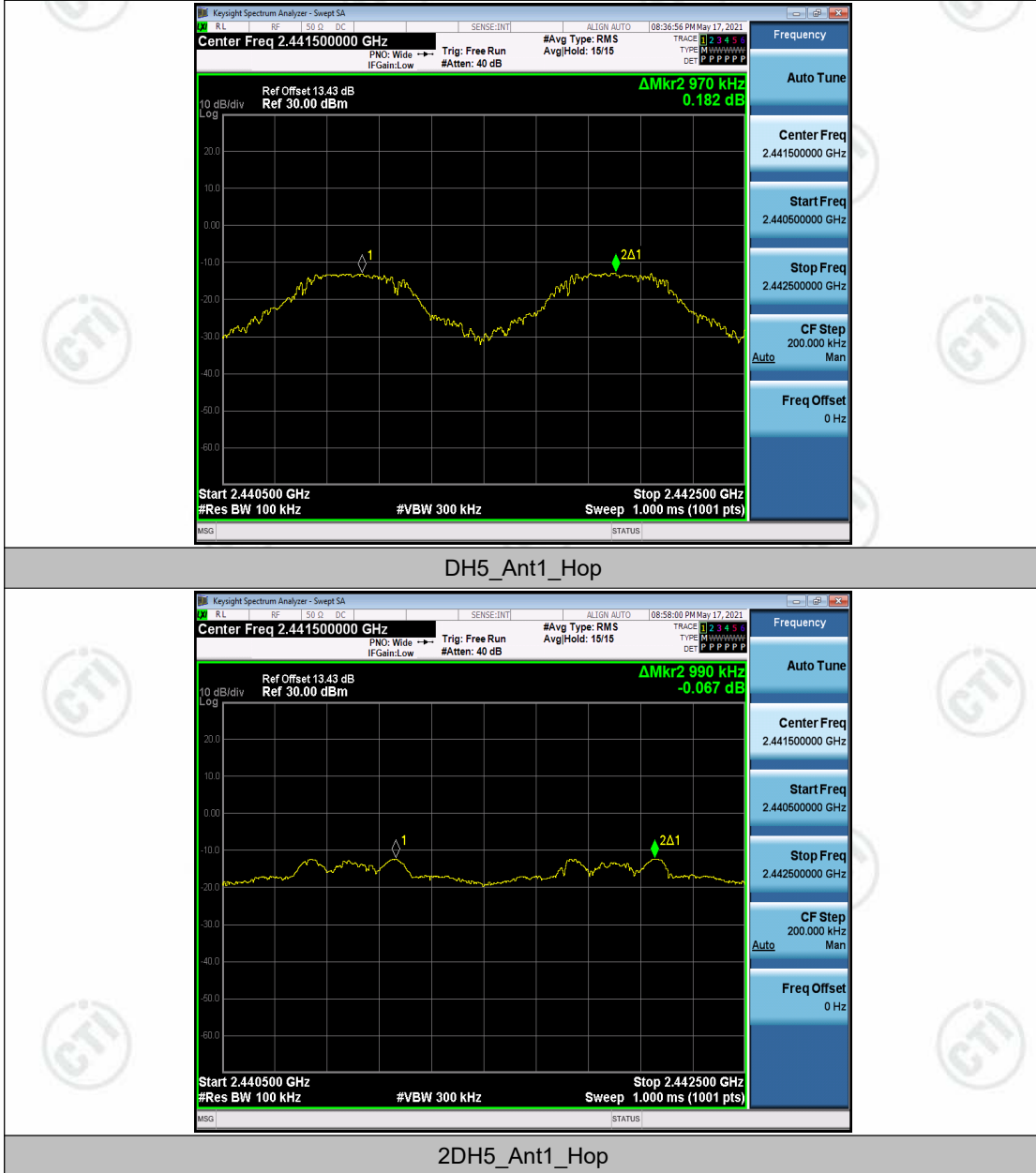
3DH5_Ant1_2480

Appendix D: Carrier frequency separation

Test Result

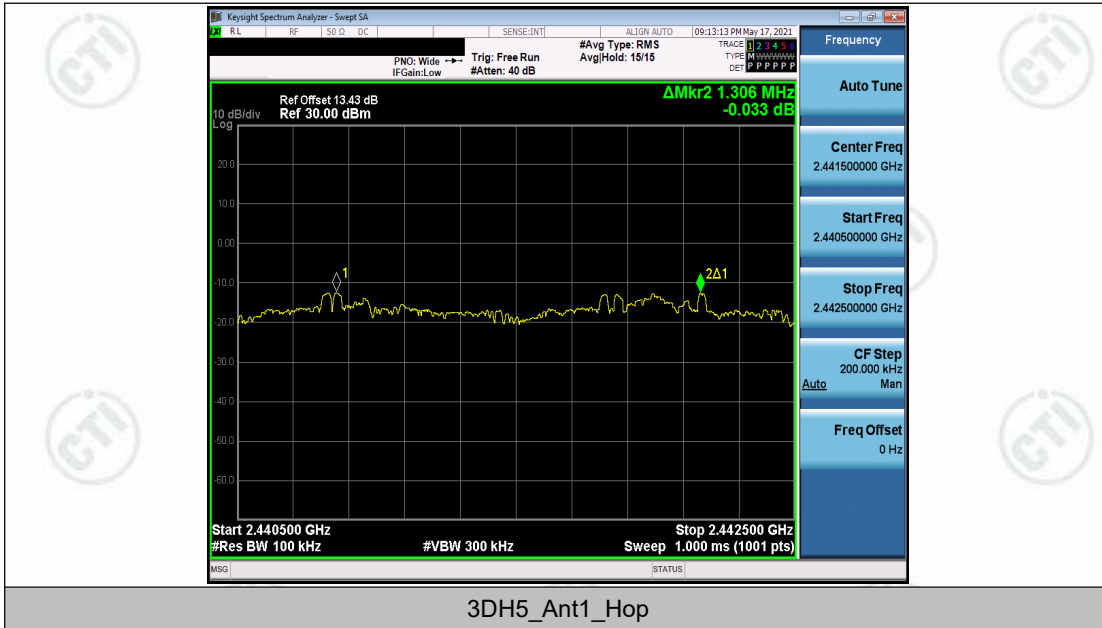
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.97	≥ 0.942	PASS
2DH5	Ant1	Hop	0.99	≥ 0.896	PASS
3DH5	Ant1	Hop	1.306	≥ 0.894	PASS

Test Graphs



DH5_Ant1_Hop

2DH5_Ant1_Hop

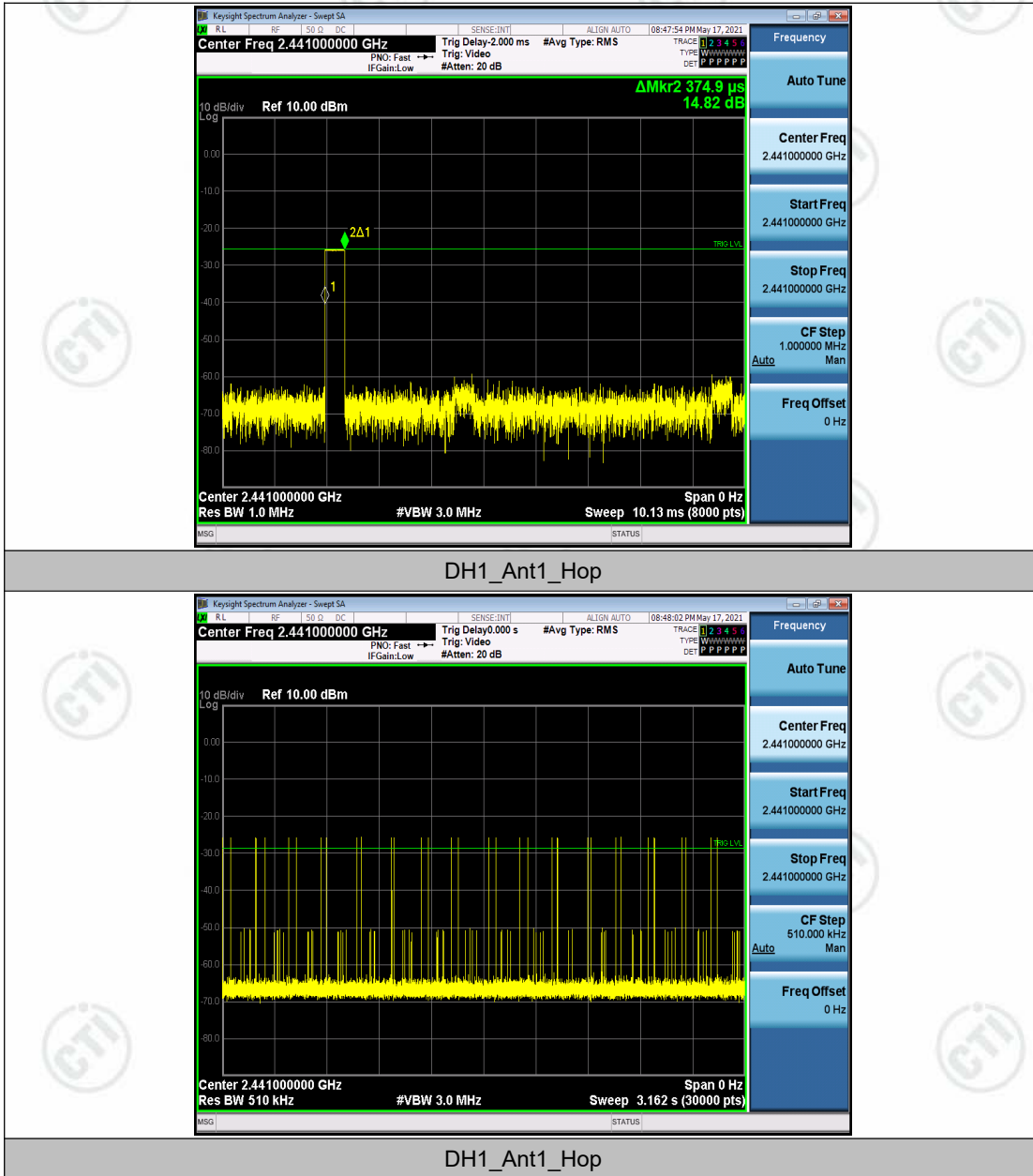


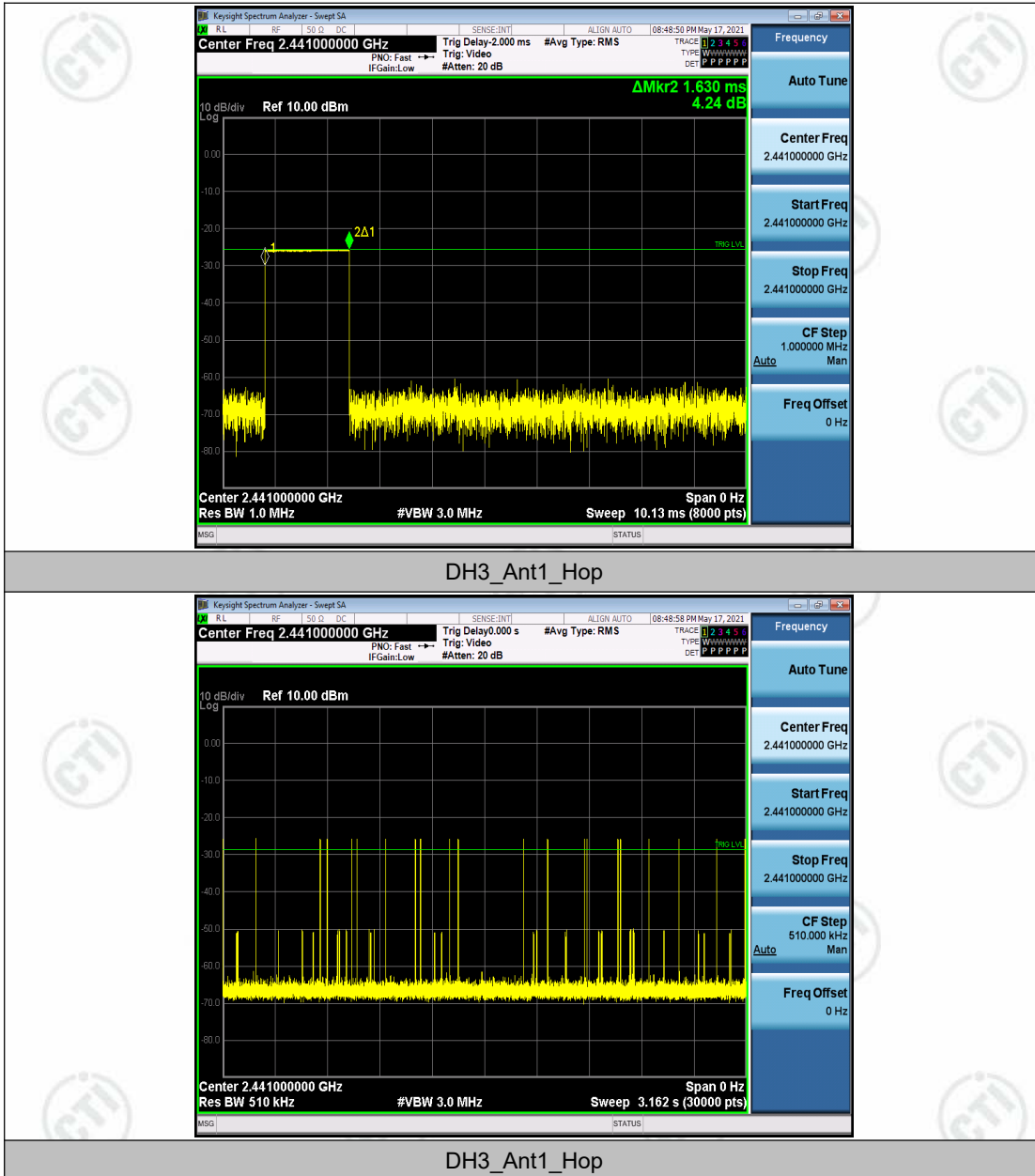
Appendix E: Time of occupancy

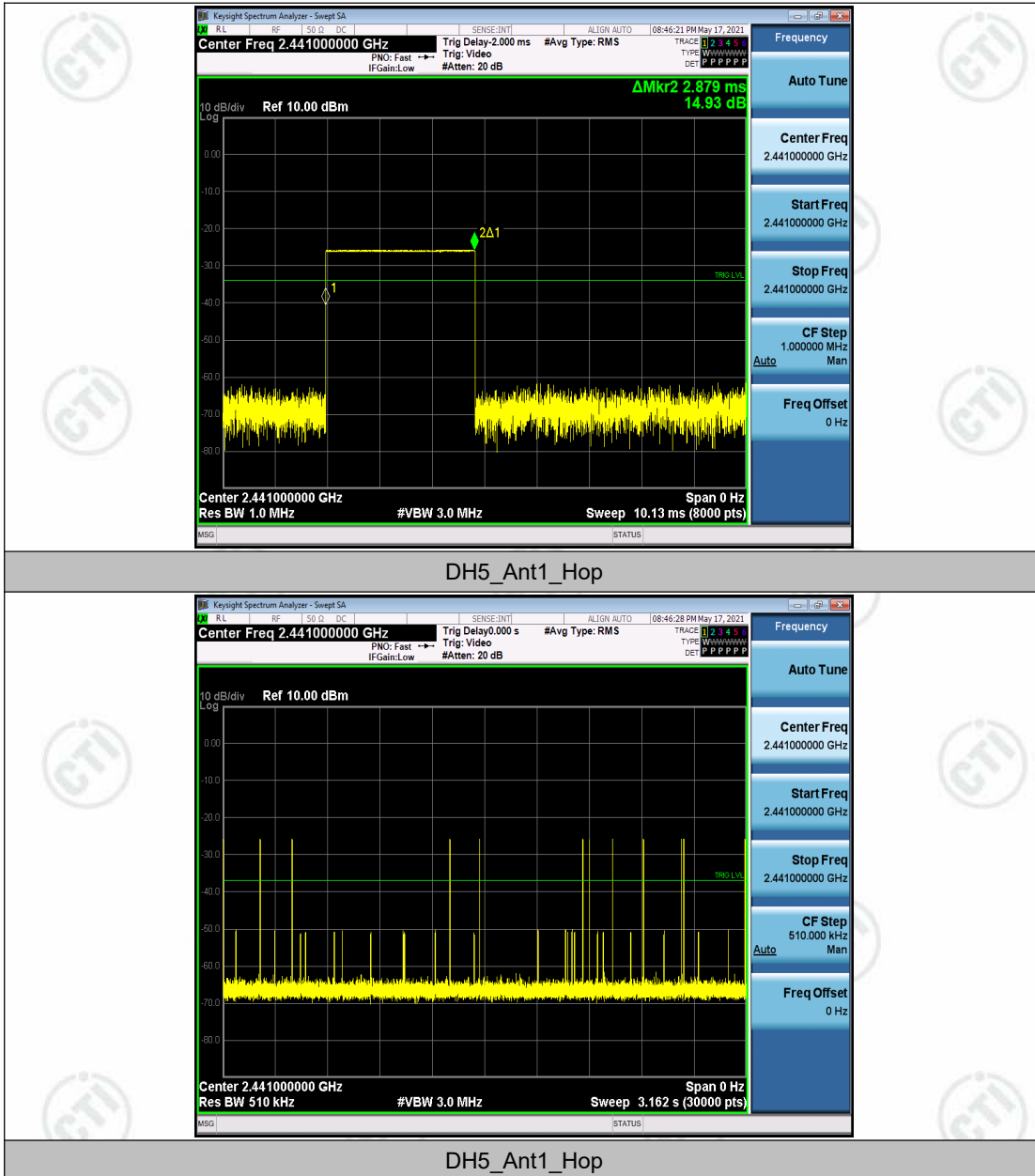
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.12	<=0.4	PASS
DH3	Ant1	Hop	1.63	210	0.342	<=0.4	PASS
DH5	Ant1	Hop	2.88	120	0.345	<=0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.127	<=0.4	PASS
2DH3	Ant1	Hop	1.64	170	0.278	<=0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	<=0.4	PASS
3DH1	Ant1	Hop	0.39	330	0.127	<=0.4	PASS
3DH3	Ant1	Hop	1.64	200	0.327	<=0.4	PASS
3DH5	Ant1	Hop	2.89	80	0.231	<=0.4	PASS

Test Graphs

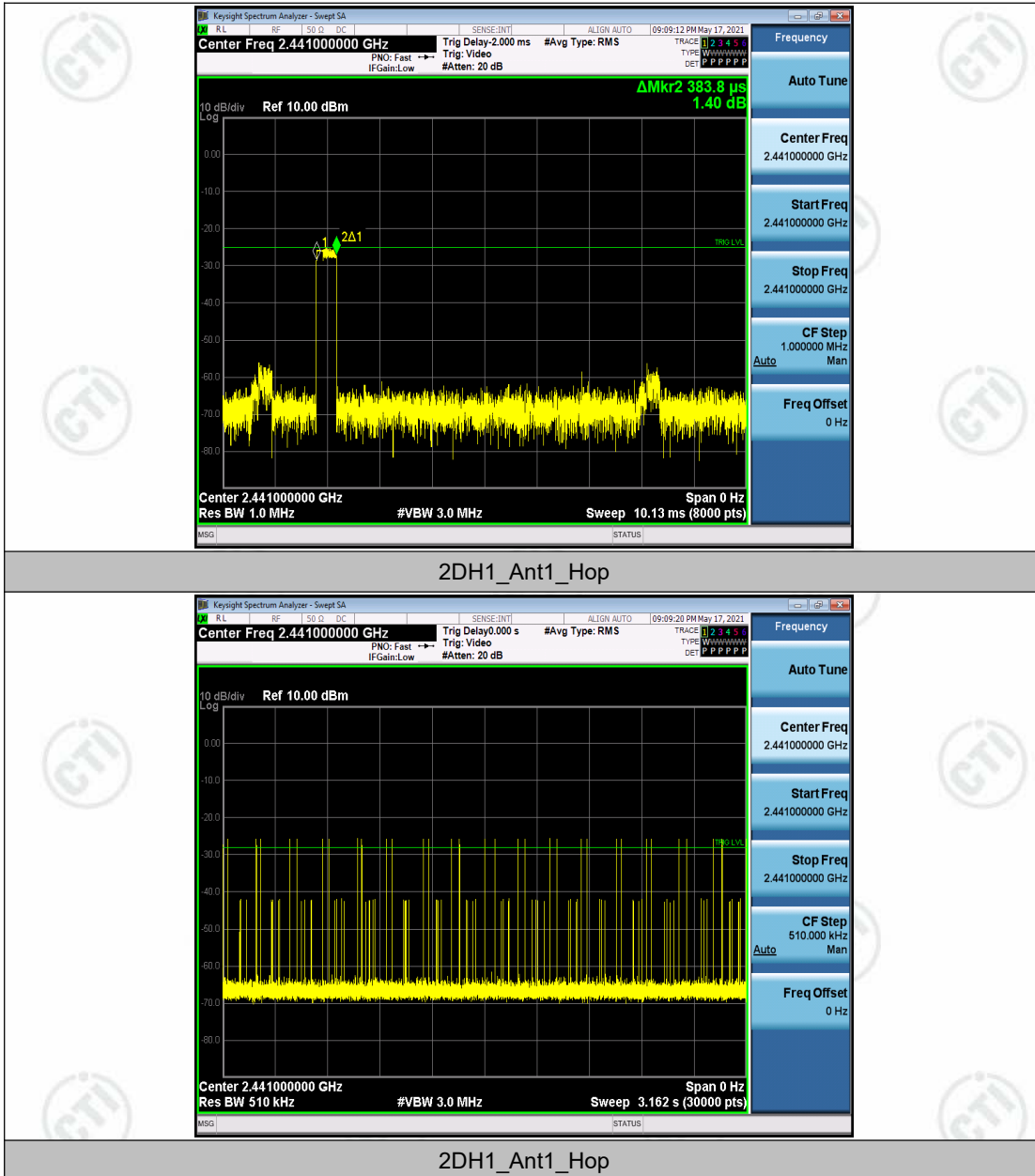


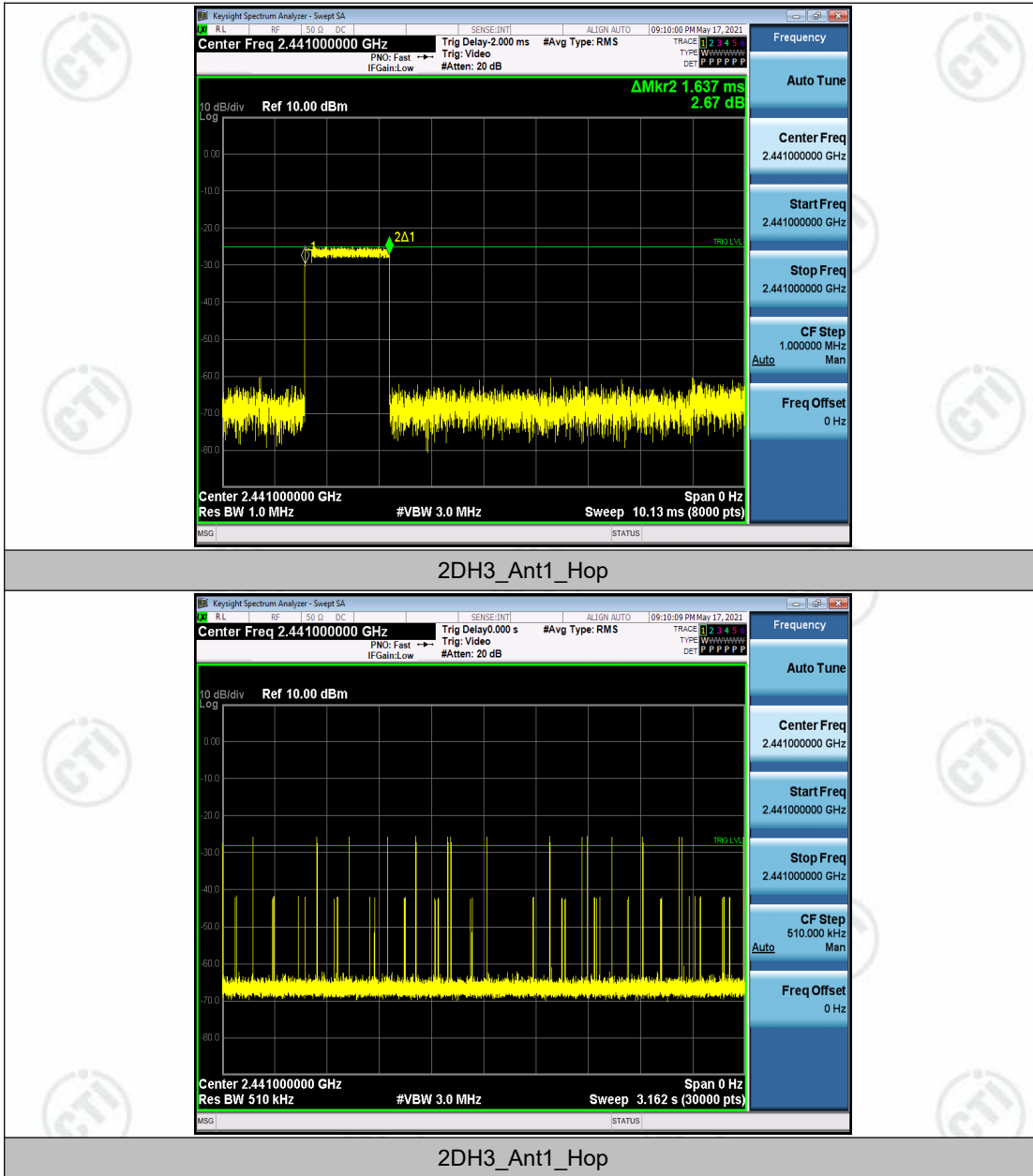


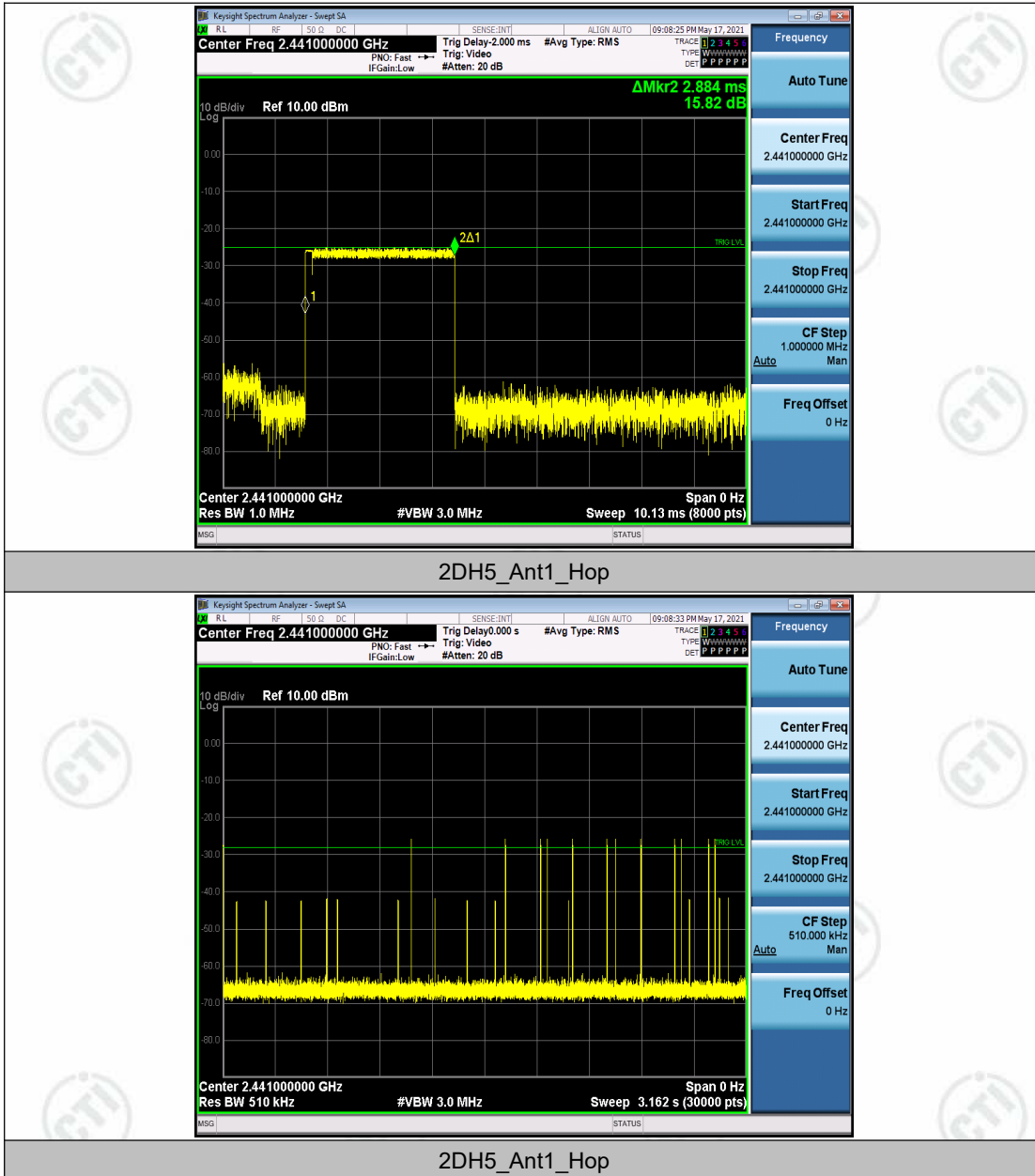


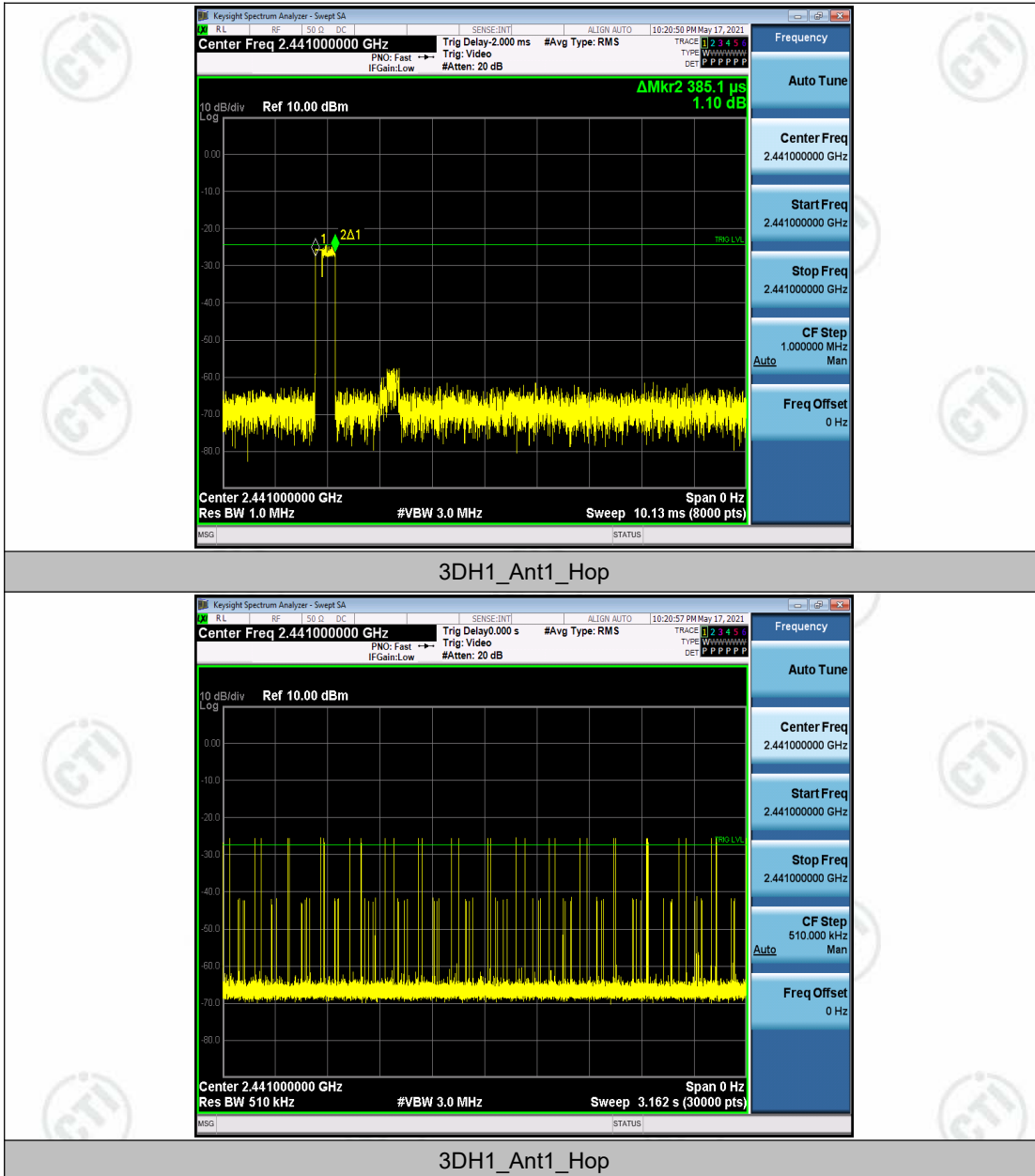
DH5_Ant1_Hop

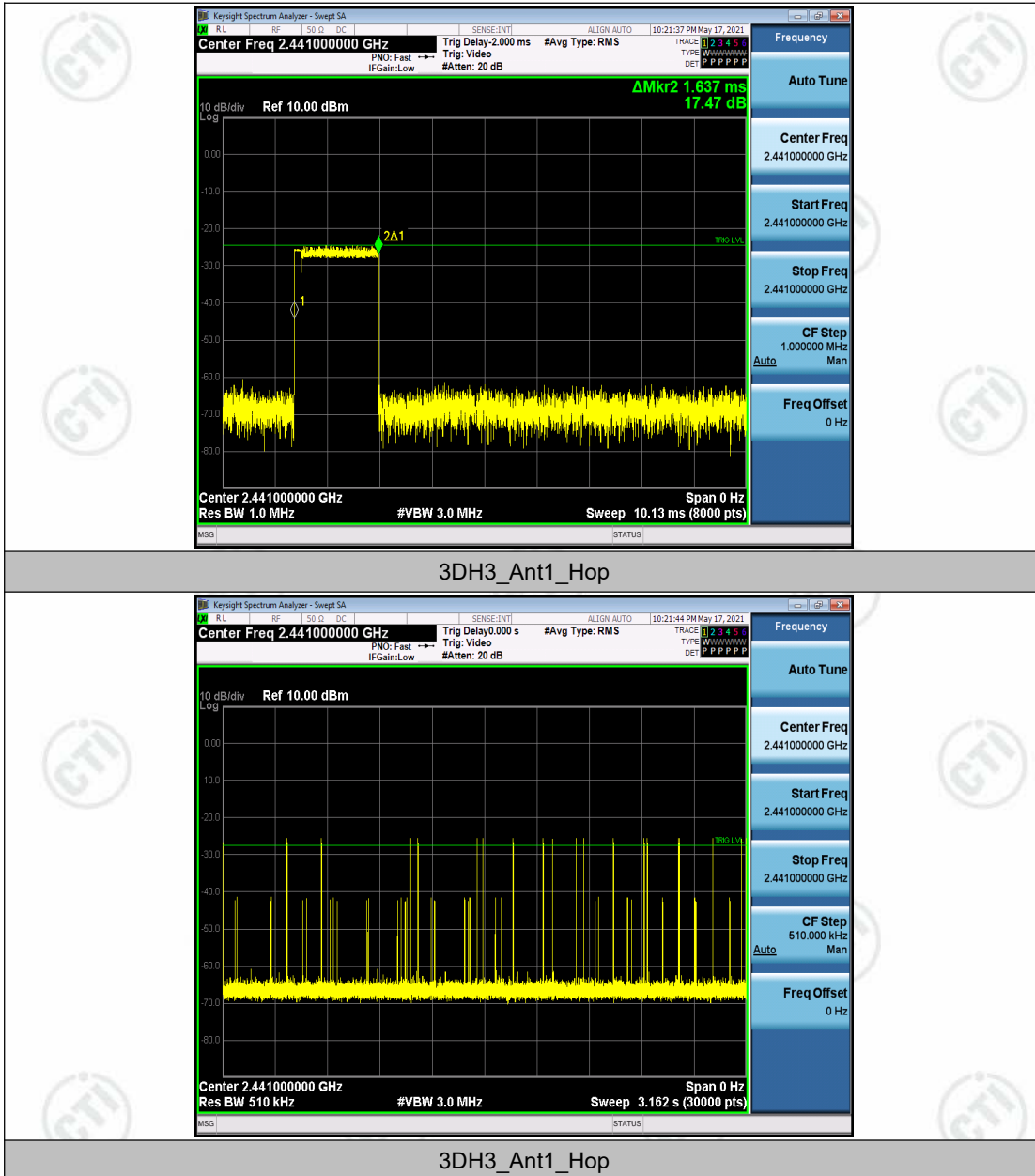
DH5_Ant1_Hop

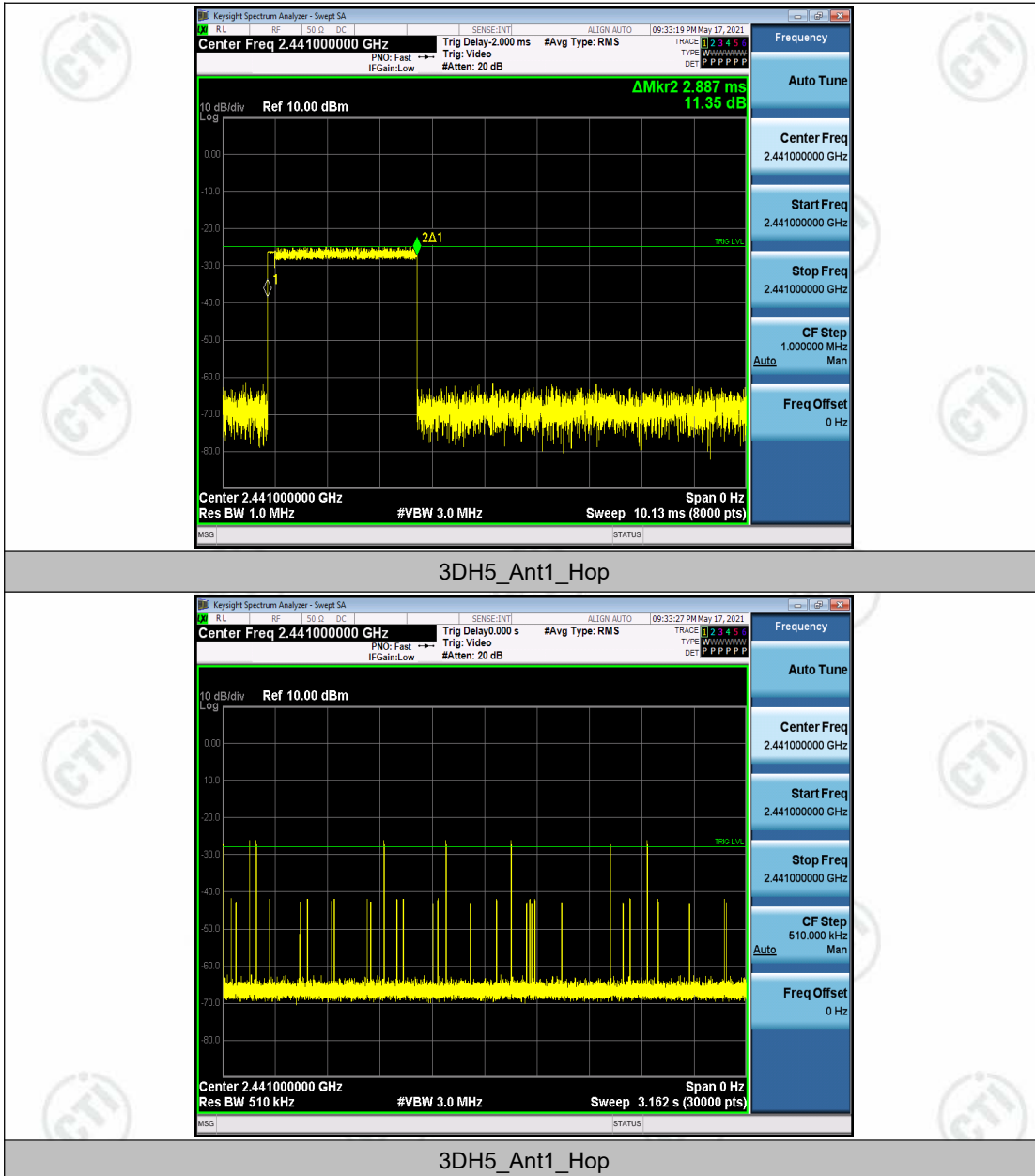










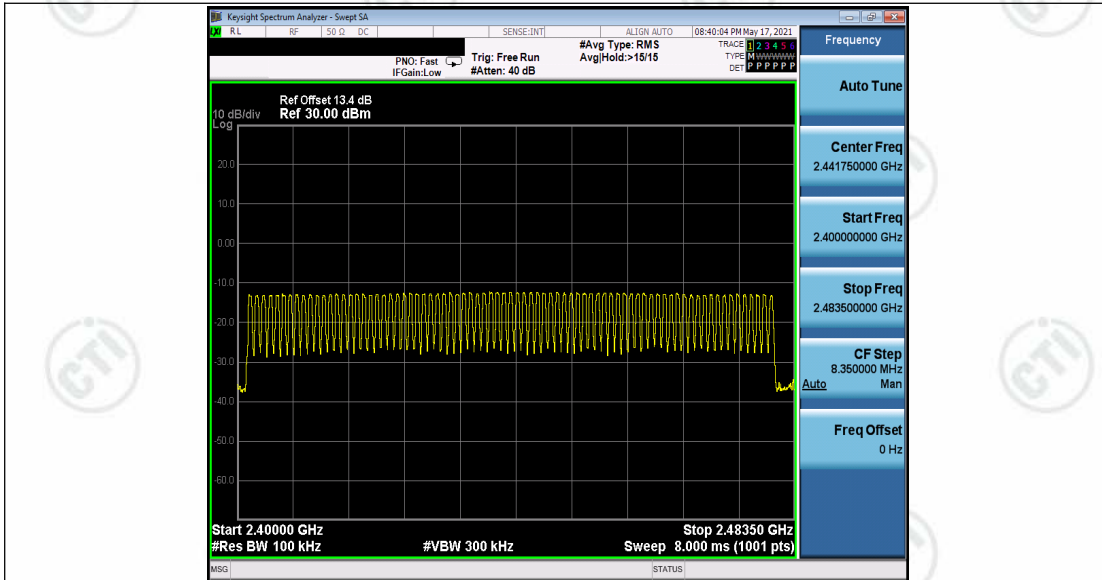


Appendix F: Number of hopping channels

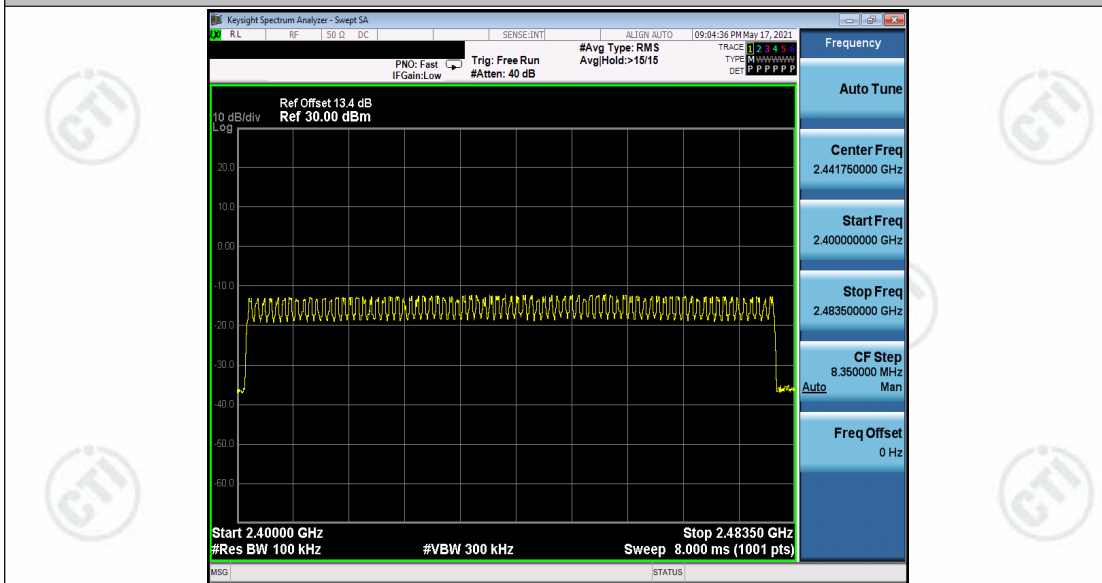
Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

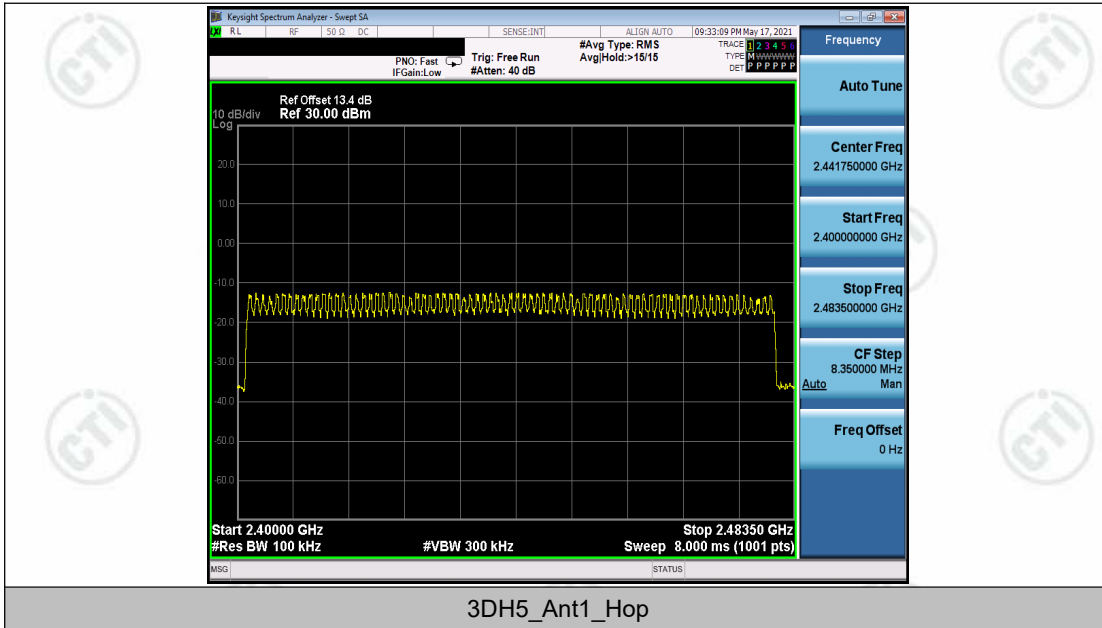
Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-13.13	-46.09	<=-33.13	PASS
		High	2480	-13.38	-46.09	<=-33.38	PASS
		Low	Hop_2402	-1.66	-45.86	<=-21.66	PASS
		High	Hop_2480	0.82	-45.61	<=-19.18	PASS
2DH5	Ant1	Low	2402	-16.88	-46.19	<=-36.88	PASS
		High	2480	-14.09	-47.03	<=-34.09	PASS
		Low	Hop_2402	-2.44	-45.3	<=-22.44	PASS
		High	Hop_2480	-0.24	-44.77	<=-20.24	PASS
3DH5	Ant1	Low	2402	-16.49	-46.41	<=-36.49	PASS
		High	2480	-15.19	-46.78	<=-35.19	PASS
		Low	Hop_2402	-2.54	-45.37	<=-22.54	PASS
		High	Hop_2480	-0.37	-44.59	<=-20.37	PASS

Test Graphs

