

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	1.080	2401.466	2402.546	---	PASS
		2441	1.077	2440.466	2441.543	---	PASS
		2480	1.083	2479.460	2480.543	---	PASS
2DH1	Ant1	2402	1.380	2401.310	2402.690	---	PASS
		2441	1.371	2440.316	2441.687	---	PASS
		2480	1.377	2479.310	2480.687	---	PASS

Test Graphs



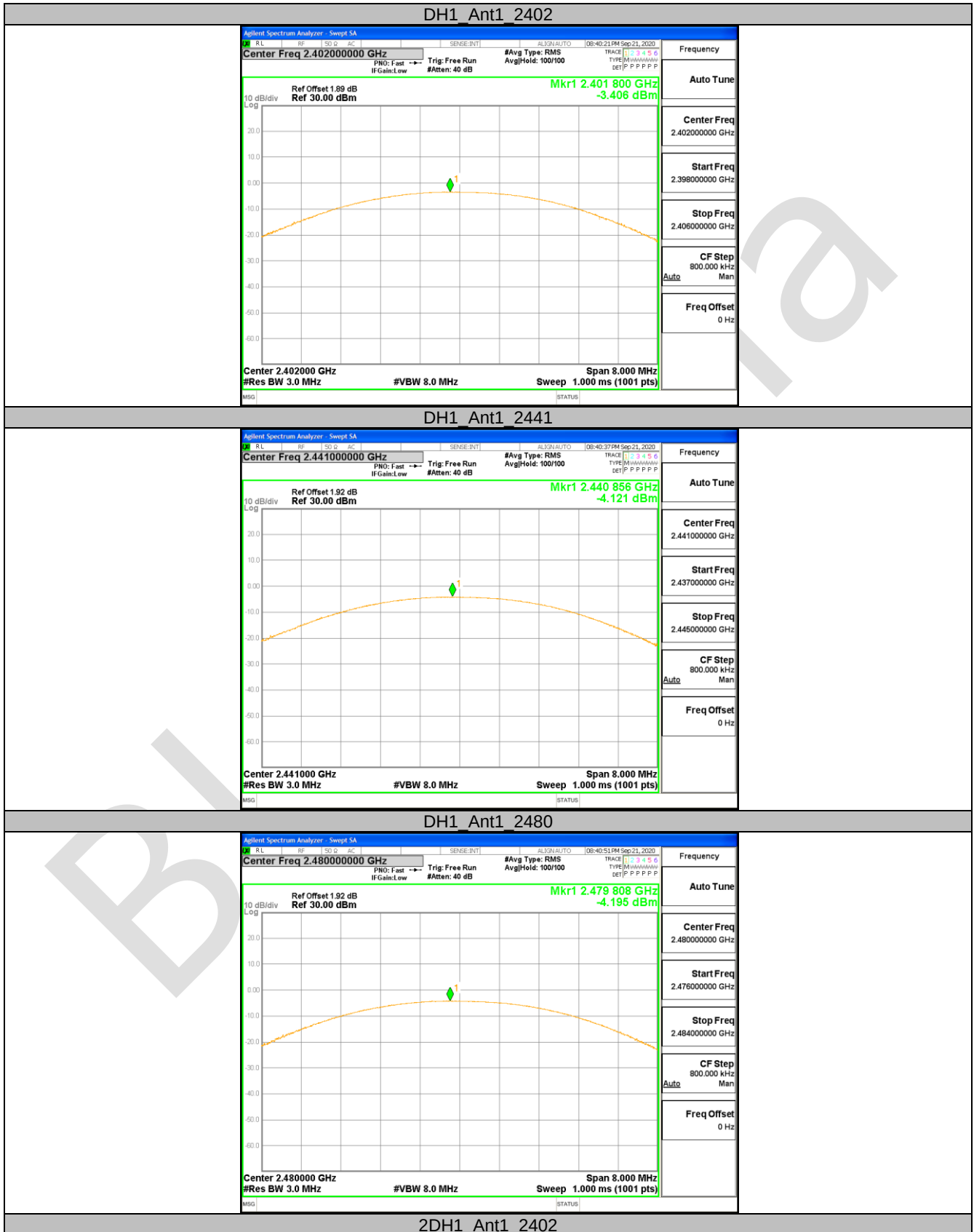


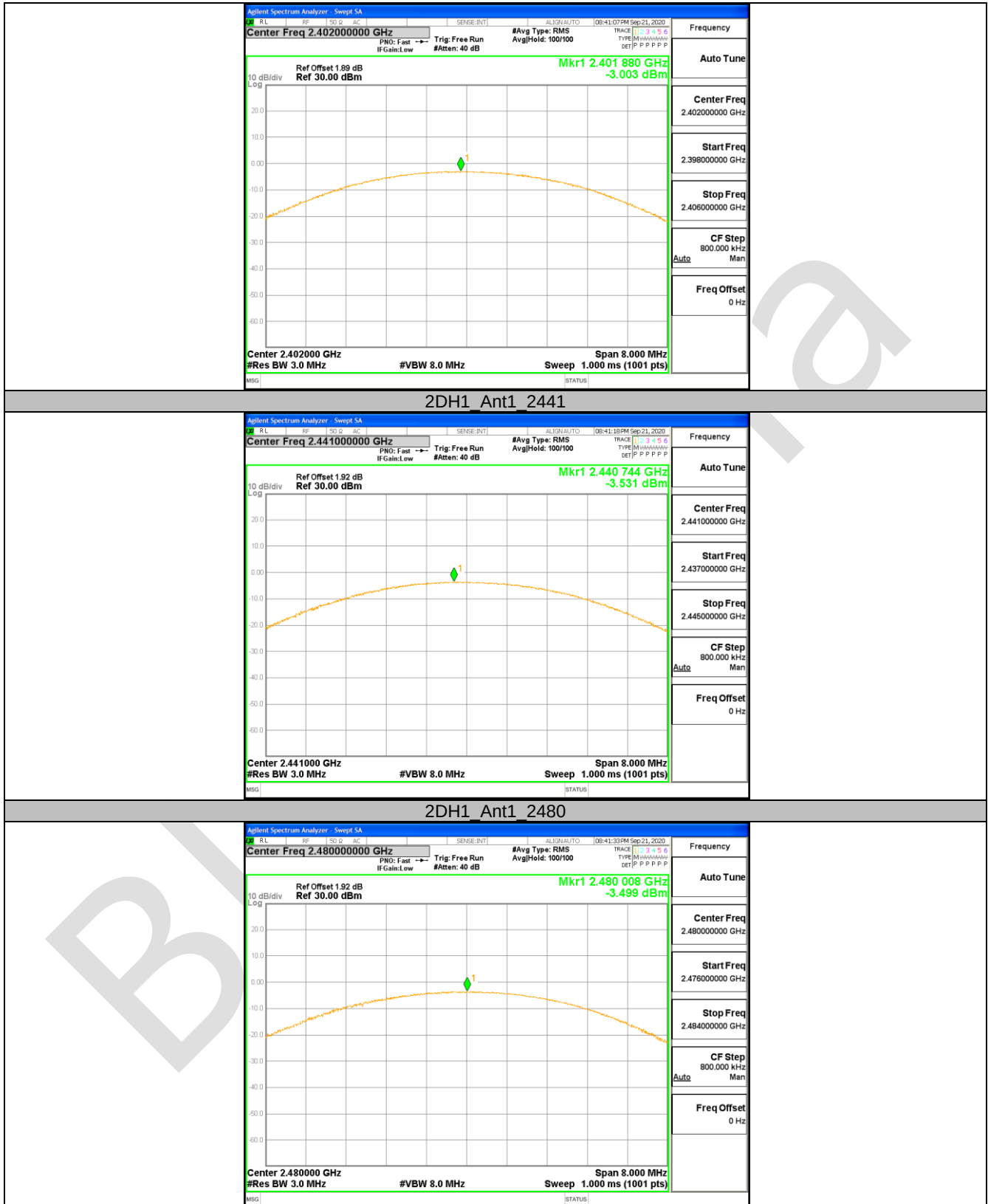
10.2 APPENDIX: MAXIMUM CONDUCTED OUTPUT POWER

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	-3.41	<=20.97	PASS
		2441	-4.12	<=20.97	PASS
		2480	-4.20	<=20.97	PASS
2DH1	Ant1	2402	-3.00	<=20.97	PASS
		2441	-3.53	<=20.97	PASS
		2480	-3.50	<=20.97	PASS

Test Graphs





10.3 APPENDIX: CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.00	≥ 0.722	PASS
2DH1	Ant1	Hop	1.01	≥ 0.920	PASS

Test Graphs



10.4 APPENDIX: TIME OF OCCUPANCY

Test Result

Frequency	Packet	Dwell time(ms)	Limit(ms)	Result
2441MHz	DH1/2-DH1	118.400	400	Pass
2441MHz	DH3/2-DH3	260.800	400	Pass
2441MHz	DH5/2-DH5	307.200	400	Pass

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

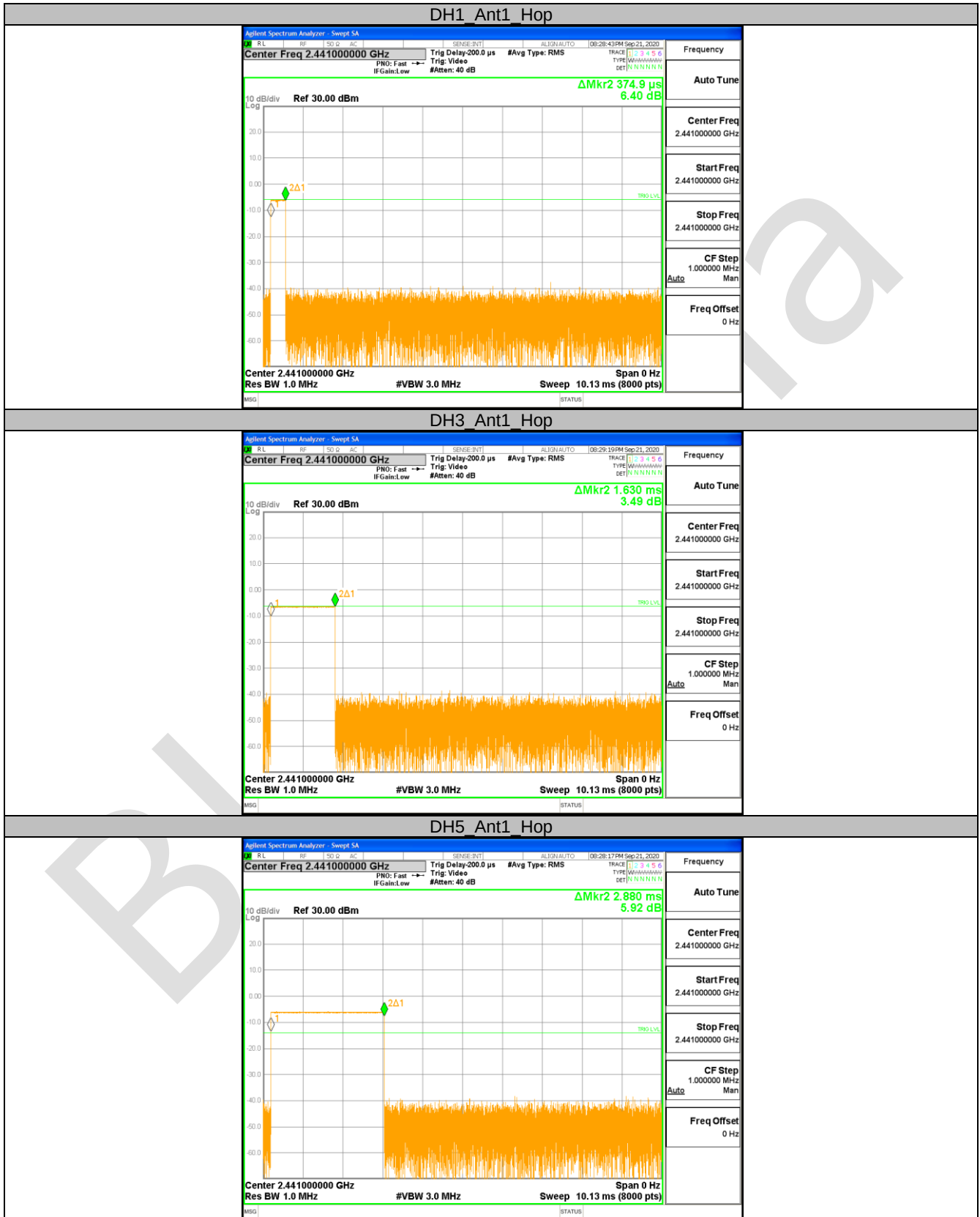
Test channel: 2441MHz as blow

DH1/2-DH1/3-DH1 time slot = $0.37(\text{ms}) \times (1600 / (2 \times 79)) \times 31.6 = 118.400 \text{ ms}$

DH3/2-DH3/3-DH3 time slot = $1.63(\text{ms}) \times (1600 / (4 \times 79)) \times 31.6 = 260.800 \text{ ms}$

DH5/2-DH5/3-DH5 time slot = $2.88(\text{ms}) \times (1600 / (6 \times 79)) \times 31.6 = 307.200 \text{ ms}$

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

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	-3.83	-54.41	<=-23.83	PASS
		High	2480	-4.58	-52.29	<=-24.58	PASS
		Low	Hop 2402	-3.55	-53.68	-23.55	PASS
		High	Hop 2480	-4.18	-51.98	-24.18	PASS
2DH1	Ant1	Low	2402	-3.72	-53.56	<=-23.72	PASS
		High	2480	-4.52	-52.27	<=-24.52	PASS
		Low	Hop 2402	-3.96	-54.14	-23.96	PASS
		High	Hop 2480	-4.22	-52.4	-24.22	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	-3.83	-3.83	---	PASS
			30~1000	30~1000	-66.884	<=-23.827	PASS
			1000~26500	1000~26500	-41.245	<=-23.827	PASS
		2441	Reference	-4.08	-4.08	---	PASS
			30~1000	30~1000	-66.784	<=-24.075	PASS
			1000~26500	1000~26500	-42.735	<=-24.075	PASS
		2480	Reference	-4.62	-4.62	---	PASS
			30~1000	30~1000	-66.648	<=-24.616	PASS
			1000~26500	1000~26500	-44.045	<=-24.616	PASS
2DH1	Ant1	2402	Reference	-3.83	-3.83	---	PASS
			30~1000	30~1000	-67.427	<=-23.826	PASS
			1000~26500	1000~26500	-48.103	<=-23.826	PASS
		2441	Reference	-3.83	-3.83	---	PASS
			30~1000	30~1000	-66.725	<=-23.831	PASS
			1000~26500	1000~26500	-47.871	<=-23.831	PASS
		2480	Reference	-4.96	-4.96	---	PASS
			30~1000	30~1000	-67.336	<=-24.963	PASS
			1000~26500	1000~26500	-53.743	<=-24.963	PASS

Test Graphs

