

Appendix for Bluetooth BR/EDR

Test Report No.:CTL2207053064-WF03

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.514	2402.471	---	PASS
	Ant2	2402	0.957	2401.520	2402.477	---	PASS
	Ant1	2441	0.957	2440.514	2441.471	---	PASS
	Ant2	2441	0.960	2440.517	2441.477	---	PASS
	Ant1	2480	0.957	2479.514	2480.471	---	PASS
	Ant2	2480	0.960	2479.514	2480.474	---	PASS
2DH5	Ant1	2402	1.332	2401.310	2402.642	---	PASS
	Ant2	2402	1.332	2401.316	2402.648	---	PASS
	Ant1	2441	1.332	2440.310	2441.642	---	PASS
	Ant2	2441	1.329	2440.316	2441.645	---	PASS
	Ant1	2480	1.332	2479.310	2480.642	---	PASS
	Ant2	2480	1.332	2479.313	2480.645	---	PASS
3DH5	Ant1	2402	1.299	2401.331	2402.630	---	PASS
	Ant2	2402	1.302	2401.334	2402.636	---	PASS
	Ant1	2441	1.302	2440.331	2441.633	---	PASS
	Ant2	2441	1.299	2440.334	2441.633	---	PASS
	Ant1	2480	1.302	2479.331	2480.633	---	PASS
	Ant2	2480	1.299	2479.334	2480.633	---	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant2_2402



DH5_Ant1_2441



DH5_Ant2_2441



DH5_Ant1_2480



DH5_Ant2_2480



2DH5_Ant1_2402



2DH5_Ant2_2402



2DH5_Ant1_2441



2DH5_Ant2_2441



2DH5_Ant1_2480



2DH5_Ant2_2480



3DH5_Ant1_2402



3DH5_Ant2_2402



3DH5_Ant1_2441



3DH5_Ant2_2441



3DH5_Ant1_2480



3DH5_Ant2_2480

Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.49	≤30	PASS
	Ant2	2402	4.4	≤30	PASS
	Ant1	2441	4.24	≤30	PASS
	Ant2	2441	4.15	≤30	PASS
	Ant1	2480	3.84	≤30	PASS
	Ant2	2480	3.7	≤30	PASS
2DH5	Ant1	2402	4.89	≤20.97	PASS
	Ant2	2402	4.81	≤20.97	PASS
	Ant1	2441	4.79	≤20.97	PASS
	Ant2	2441	4.8	≤20.97	PASS
	Ant1	2480	4.57	≤20.97	PASS
	Ant2	2480	4.64	≤20.97	PASS
3DH5	Ant1	2402	5.2	≤20.97	PASS
	Ant2	2402	5.14	≤20.97	PASS
	Ant1	2441	5.13	≤20.97	PASS
	Ant2	2441	5.11	≤20.97	PASS
	Ant1	2480	4.91	≤20.97	PASS
	Ant2	2480	4.97	≤20.97	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant2_2402



DH5_Ant1_2441



DH5_Ant2_2441



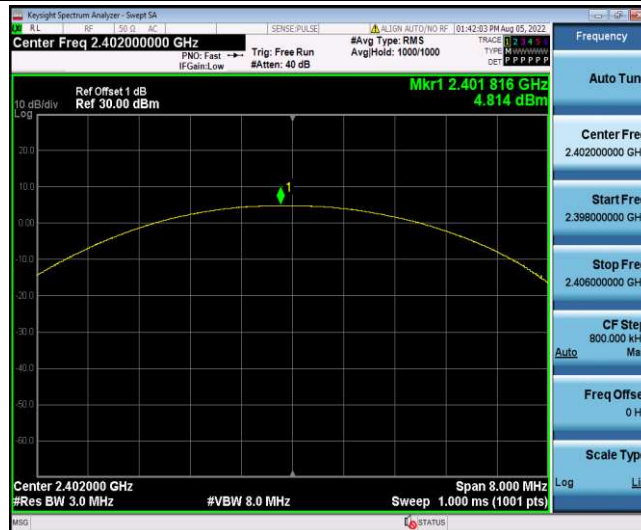
DH5_Ant1_2480



DH5_Ant2_2480



2DH5_Ant1_2402



2DH5_Ant2_2402



2DH5_Ant1_2441



2DH5_Ant2_2441



2DH5_Ant1_2480



2DH5_Ant2_2480



3DH5_Ant1_2402



3DH5_Ant2_2402



3DH5_Ant1_2441



3DH5_Ant2_2441



3DH5_Ant1_2480



3DH5_Ant2_2480

Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.957	PASS
	Ant2	Hop	1	≥ 0.957	PASS
2DH5	Ant1	Hop	1	≥ 0.888	PASS
	Ant2	Hop	1	≥ 0.888	PASS
3DH5	Ant1	Hop	1	≥ 0.868	PASS
	Ant2	Hop	1	≥ 0.868	PASS

Test Graphs



DH5_Ant1_Hop



DH5_Ant2_Hop



2DH5_Ant1_Hop



2DH5_Ant2_Hop



3DH5_Ant1_Hop



3DH5_Ant2_Hop

Appendix D: Time of occupancy

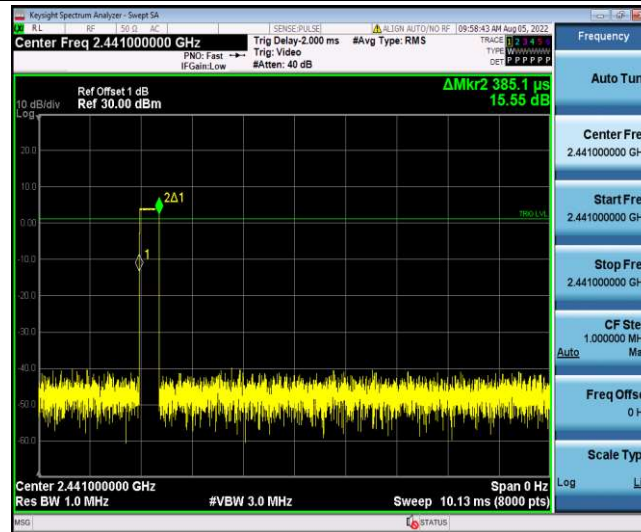
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	320	0.123	≤0.4	PASS
	Ant2	Hop	0.39	300	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.64	140	0.23	≤0.4	PASS
	Ant2	Hop	1.64	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.89	120	0.347	≤0.4	PASS
	Ant2	Hop	2.89	110	0.318	≤0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.124	≤0.4	PASS
	Ant2	Hop	0.39	320	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.64	170	0.278	≤0.4	PASS
	Ant2	Hop	1.64	180	0.295	≤0.4	PASS
2DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
	Ant2	Hop	2.89	100	0.289	≤0.4	PASS
3DH1	Ant1	Hop	0.39	330	0.127	≤0.4	PASS
	Ant2	Hop	0.39	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.64	160	0.262	≤0.4	PASS
	Ant2	Hop	1.64	180	0.295	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.347	≤0.4	PASS
	Ant2	Hop	2.89	110	0.318	≤0.4	PASS

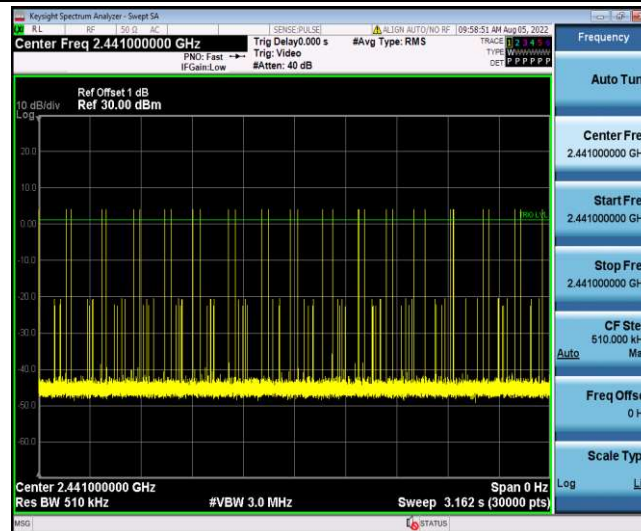
Note: (1) Dwell time=Pulse time (ms) × Total Pulse number s

(2) Total Pulse number= Pulse number in 3.16 s × 10

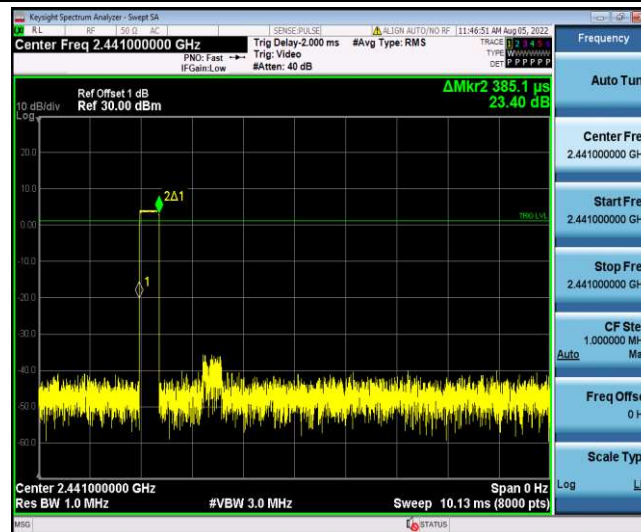
Test Graphs



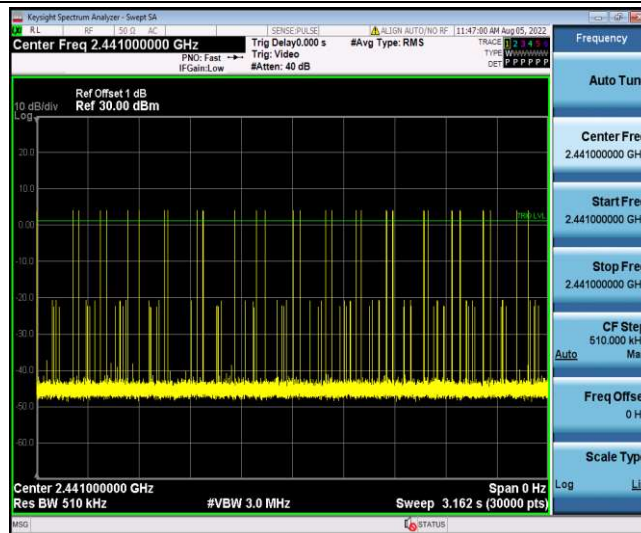
DH1_Ant1_Hop



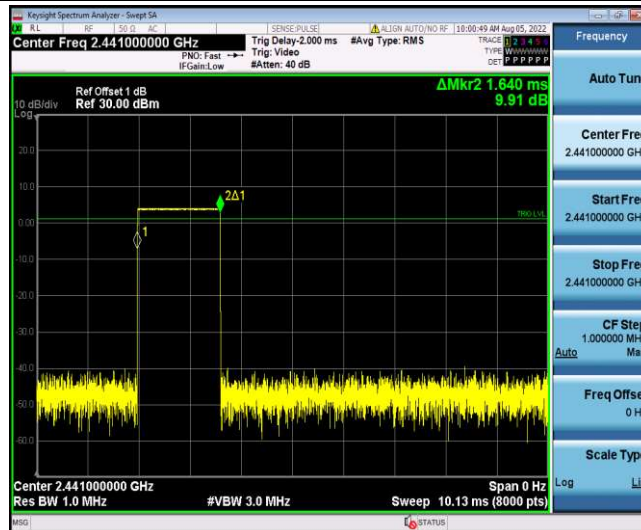
DH1_Ant1_Hop



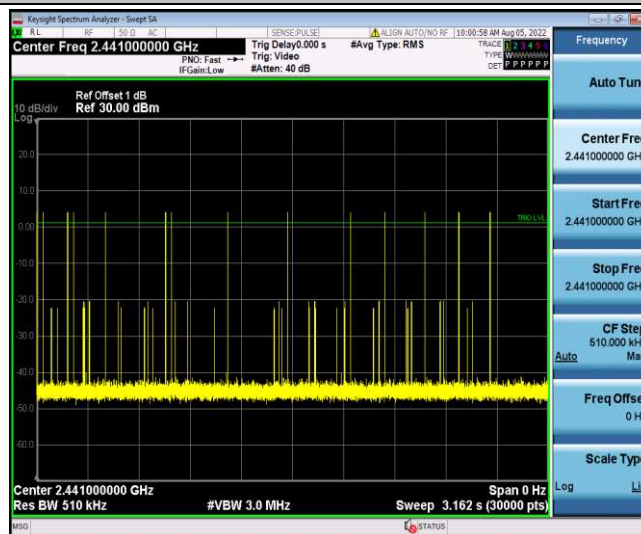
DH1_Ant2_Hop



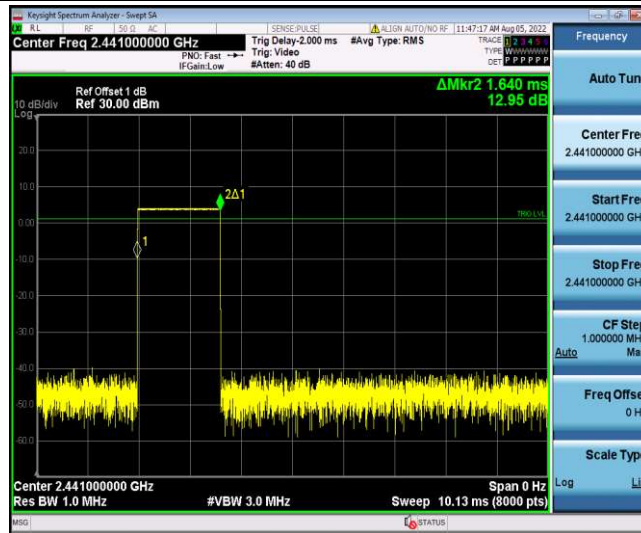
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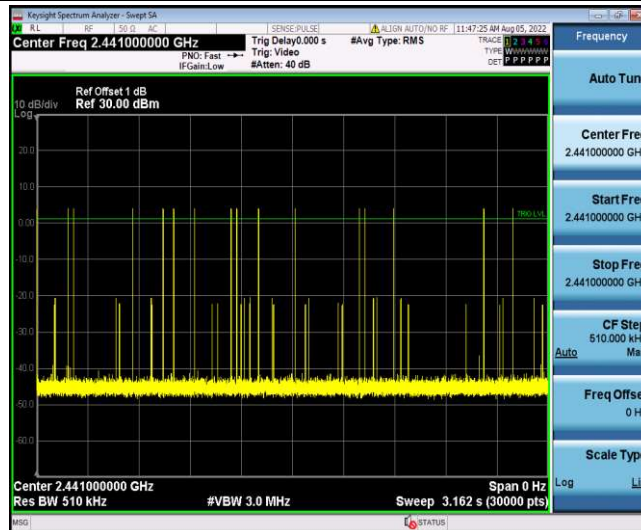
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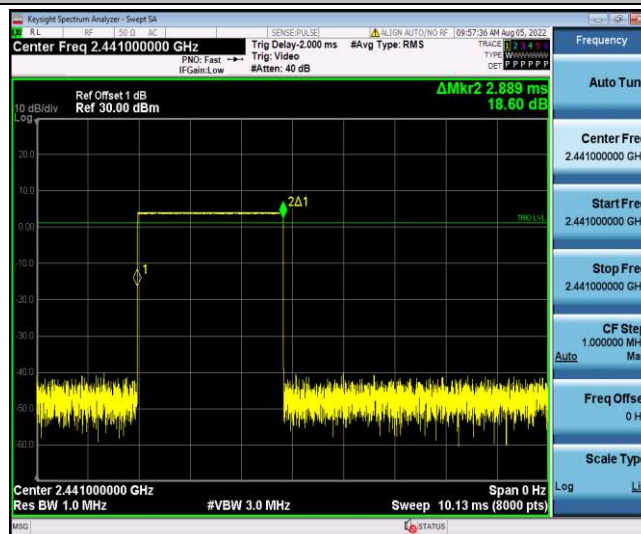
DH3_Ant1_Hop



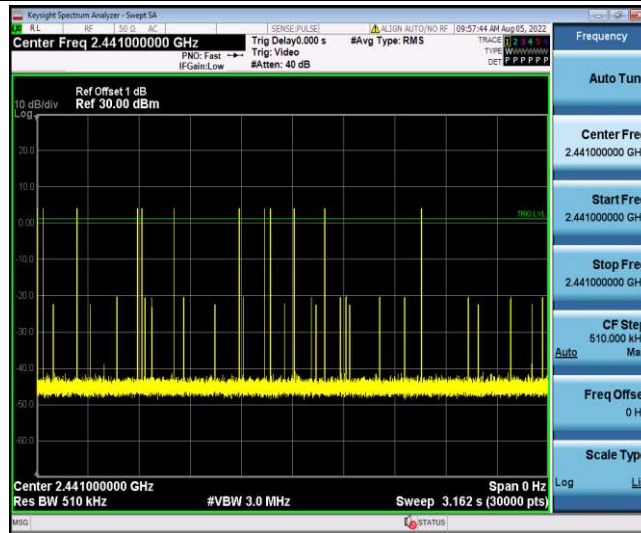
DH3_Ant2_Hop



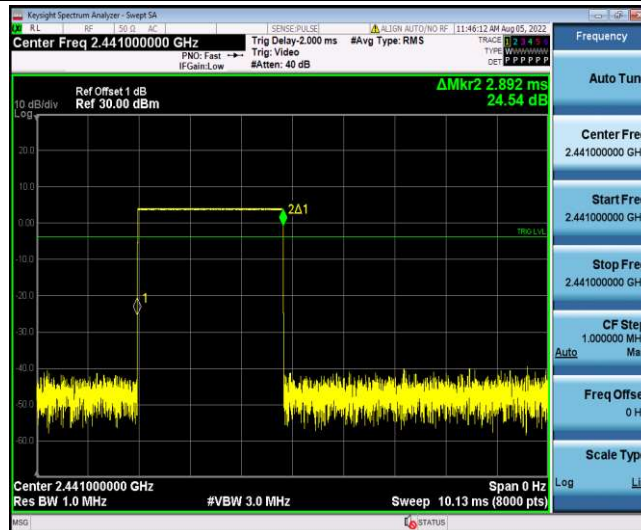
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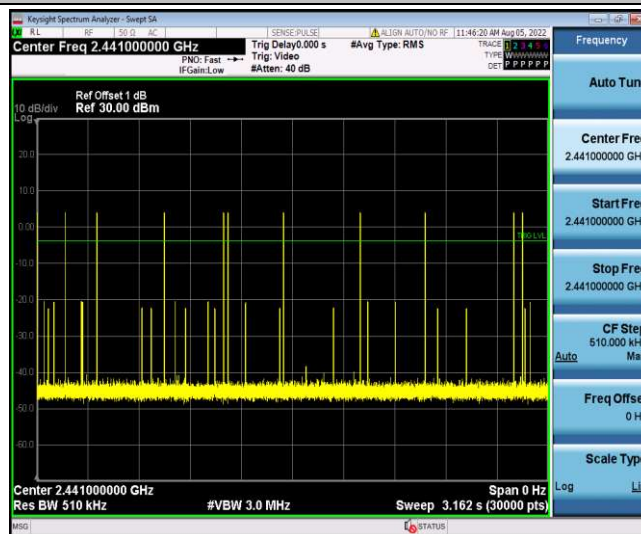
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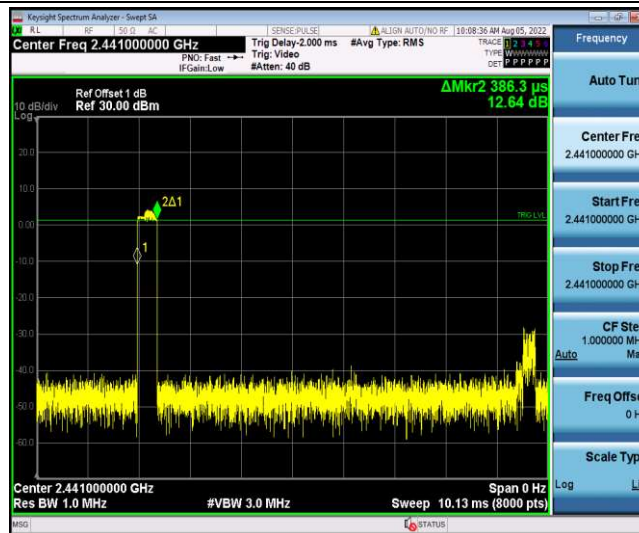
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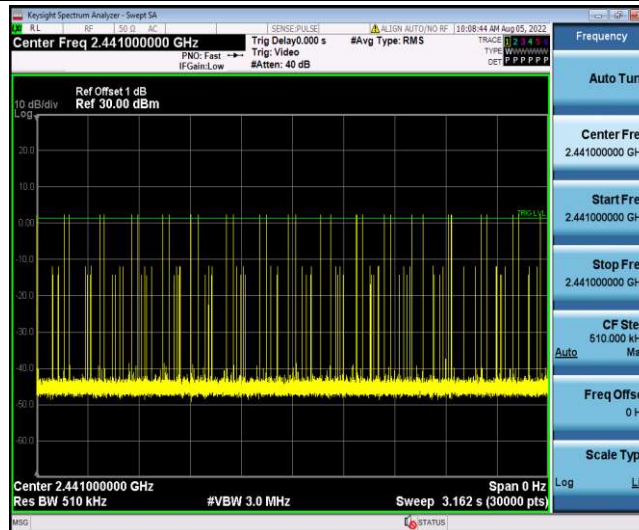
DH5_Ant2_Hop



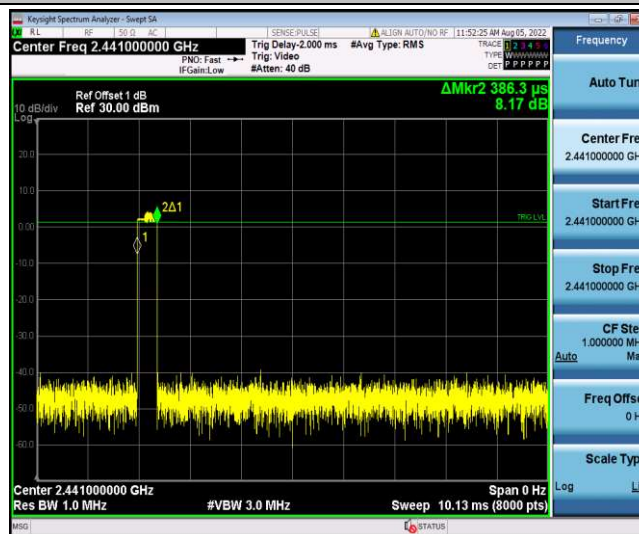
DH5_Ant2_Hop



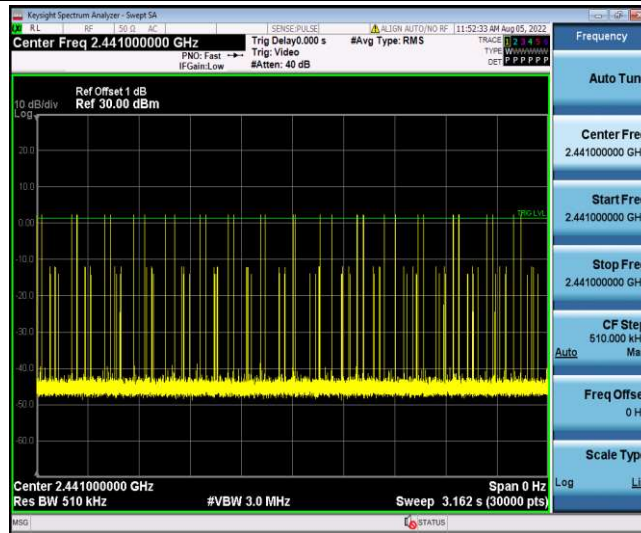
2DH1_Ant1_Hop



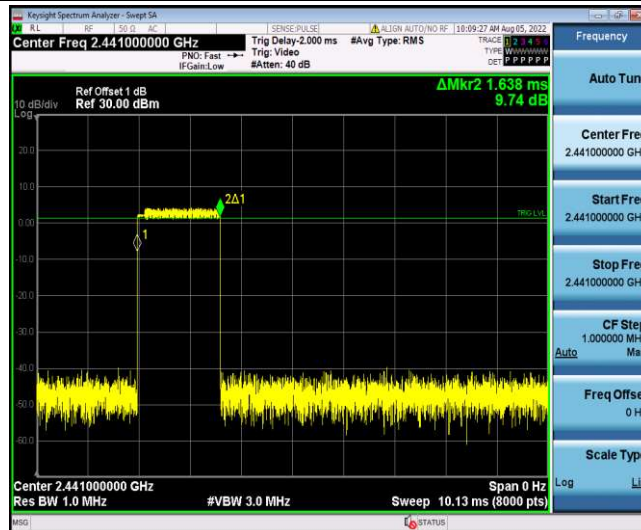
2DH1_Ant1_Hop



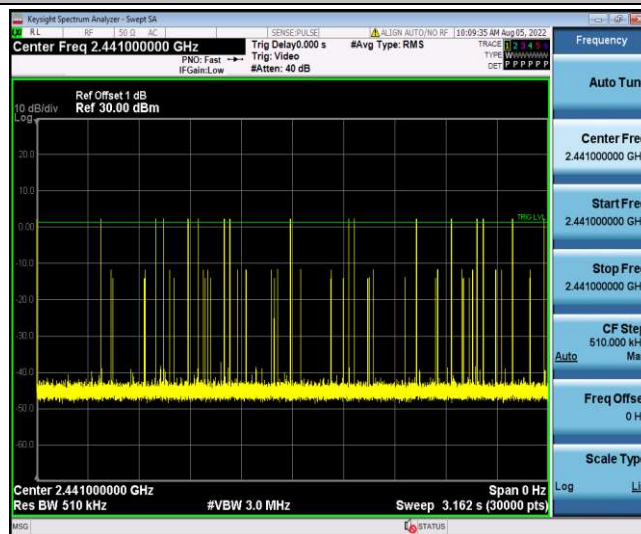
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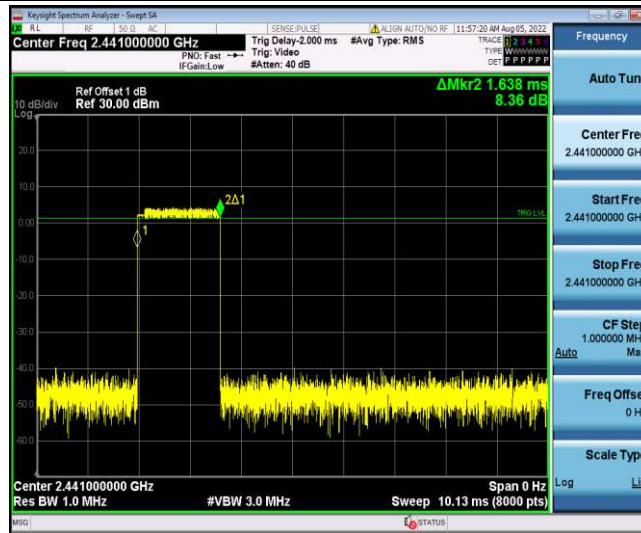
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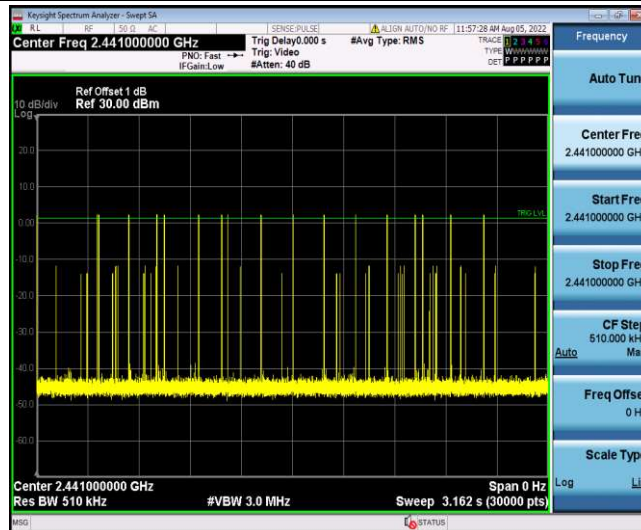
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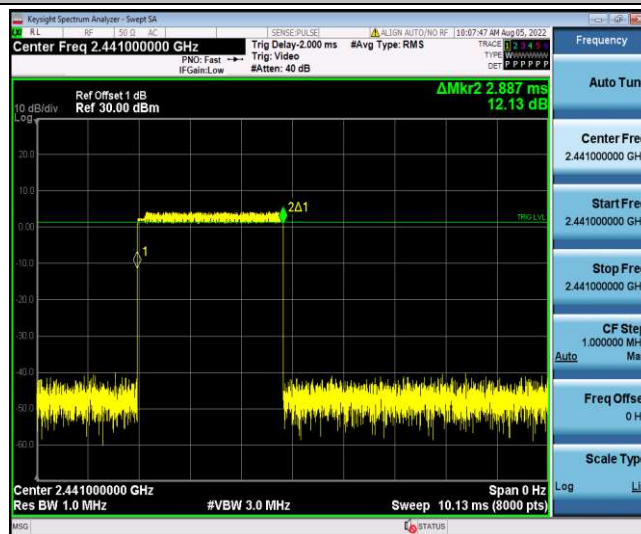
2DH3_Ant1_Hop



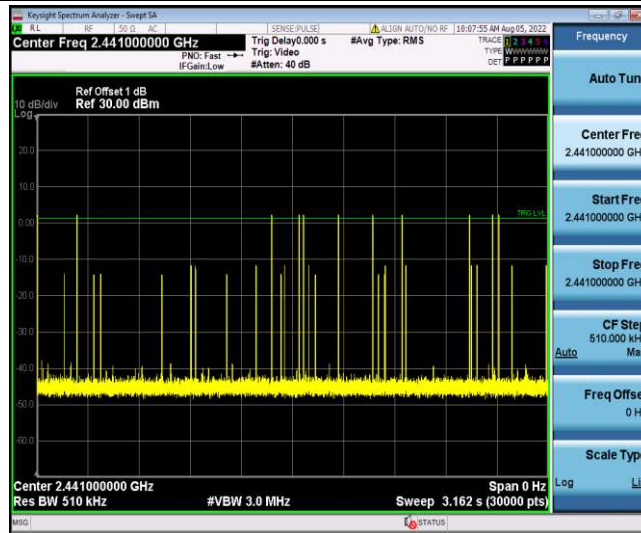
2DH3_Ant2_Hop



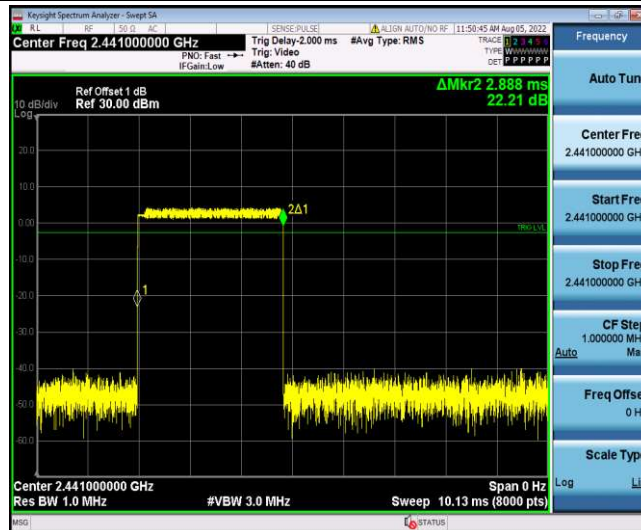
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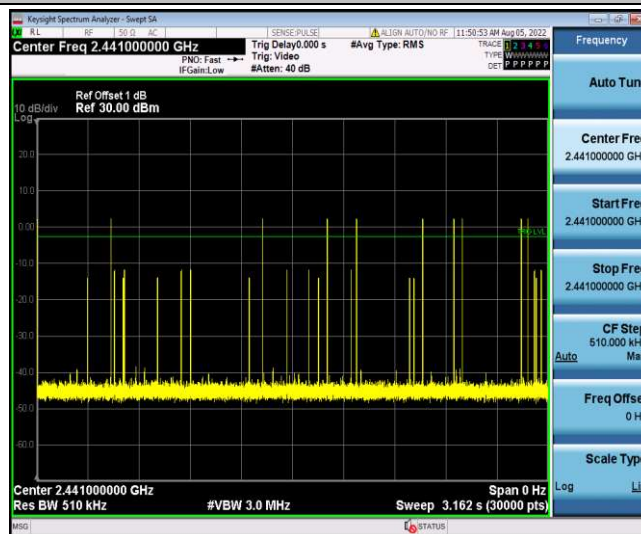
2DH5_Ant1_Hop



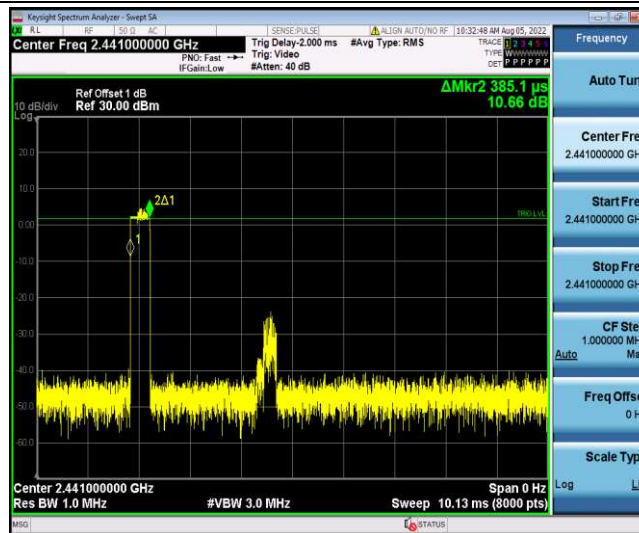
2DH5_Ant1_Hop



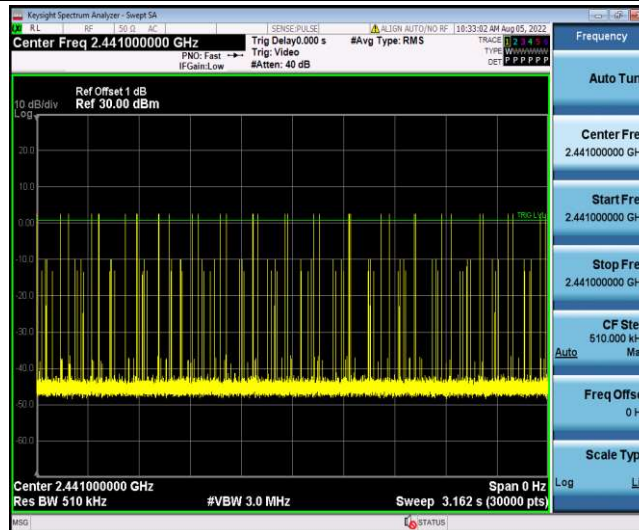
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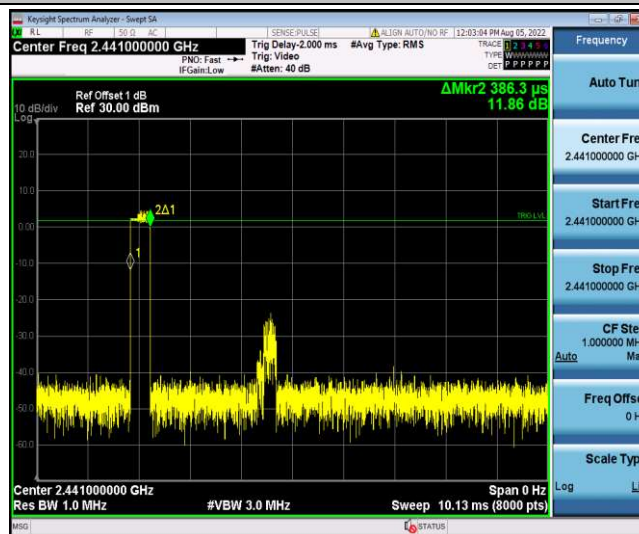
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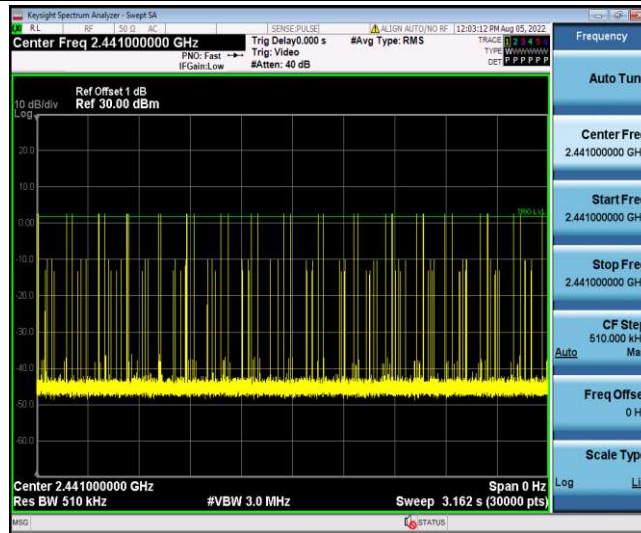
3DH1_Ant1_Hop



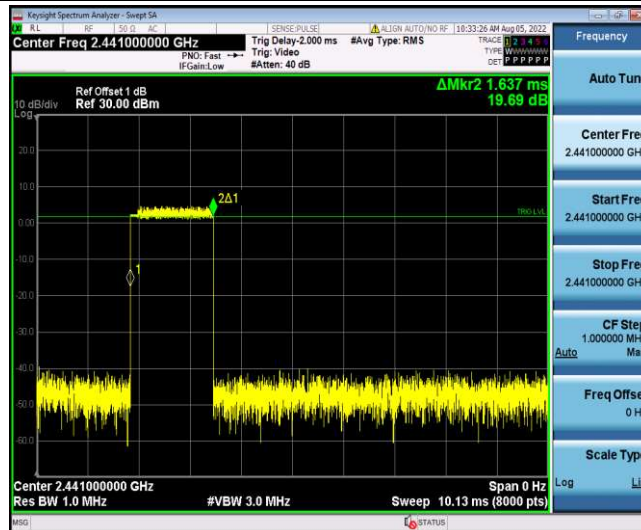
3DH1_Ant1_Hop



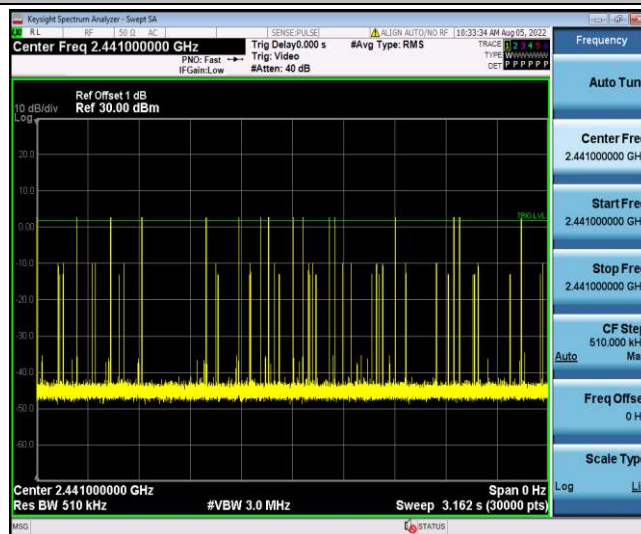
3DH1_Ant2_Hop



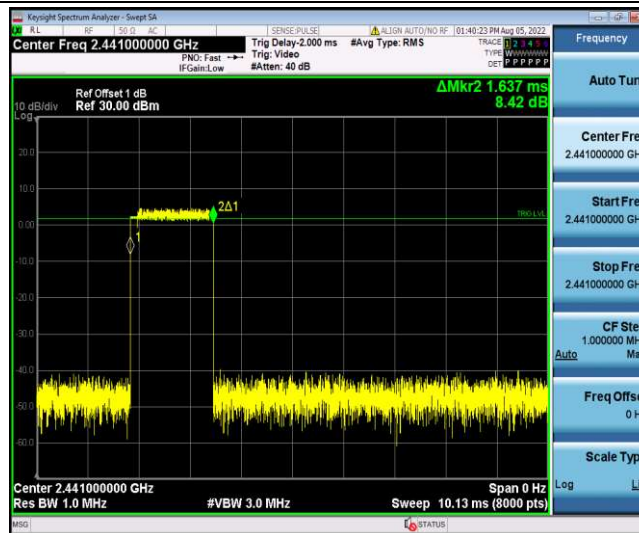
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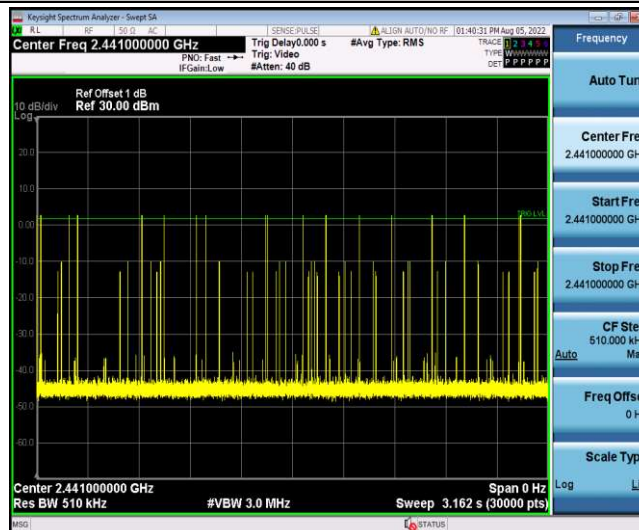
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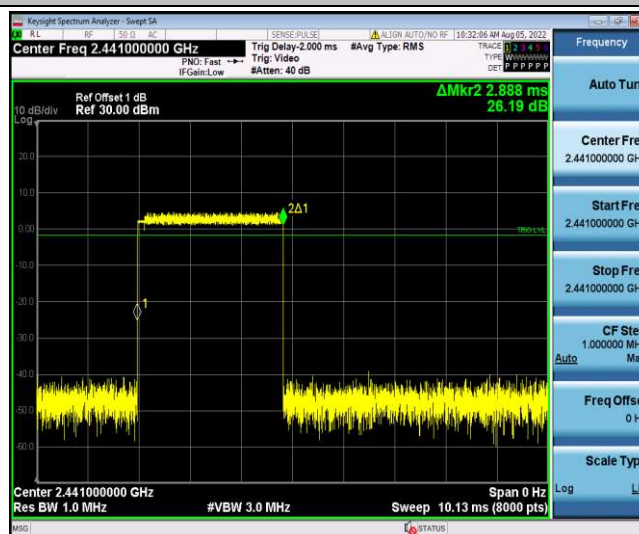
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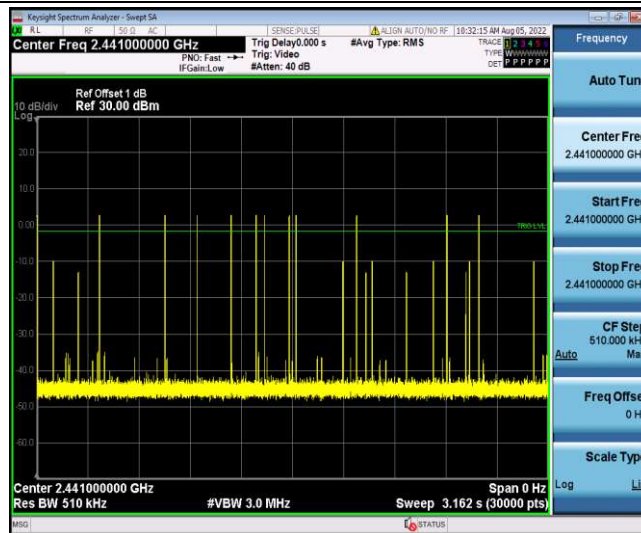
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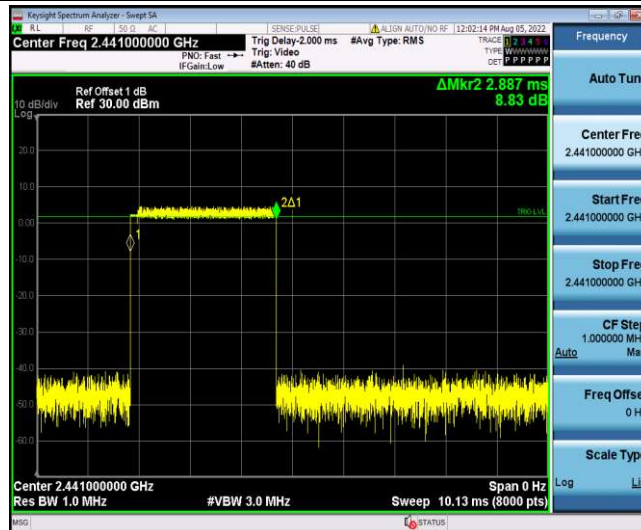
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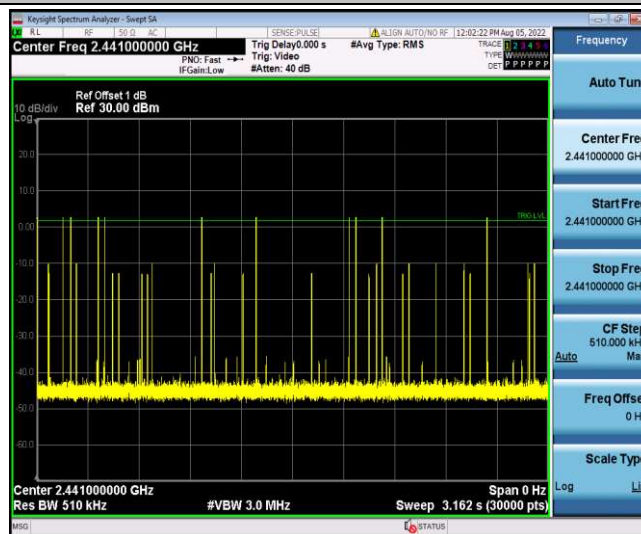
3DH5_Ant1_Hop



3DH5_Ant1_Hop



3DH5_Ant2_Hop



3DH5_Ant2_Hop

Appendix E: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
	Ant2	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
	Ant2	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS
	Ant2	Hop	79	≥ 15	PASS

Test Graphs



DH5_Ant1_Hop



DH5_Ant2_Hop



2DH5_Ant1_Hop