

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..... 45

Appendix I: Duty Cycle..... 59

 Test Result..... 59

 Test Graphs..... 60

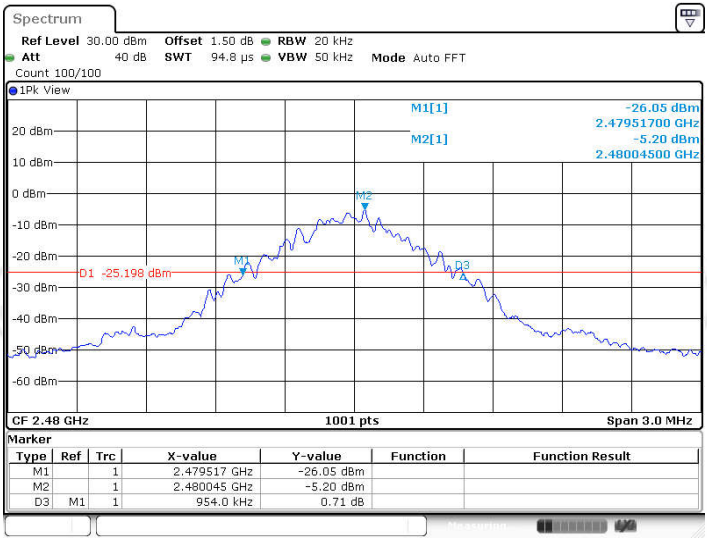
Appendix A: 20dB Emission Bandwidth

Test Result

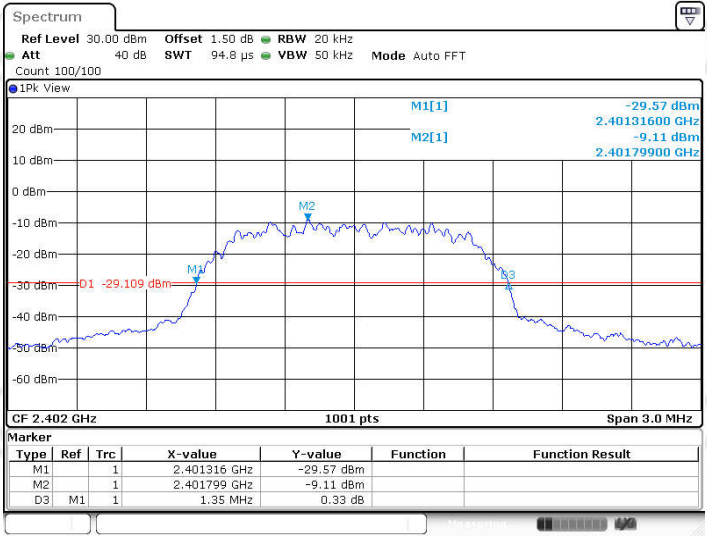
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.520	2402.474	---	PASS
		2441	0.954	2440.520	2441.474	---	PASS
		2480	0.954	2479.517	2480.471	---	PASS
2DH5	Ant1	2402	1.350	2401.316	2402.666	---	PASS
		2441	1.350	2440.316	2441.666	---	PASS
		2480	1.350	2479.316	2480.666	---	PASS
3DH5	Ant1	2402	1.347	2401.310	2402.657	---	PASS
		2441	1.350	2440.307	2441.657	---	PASS
		2480	1.347	2479.307	2480.654	---	PASS

Test Graphs

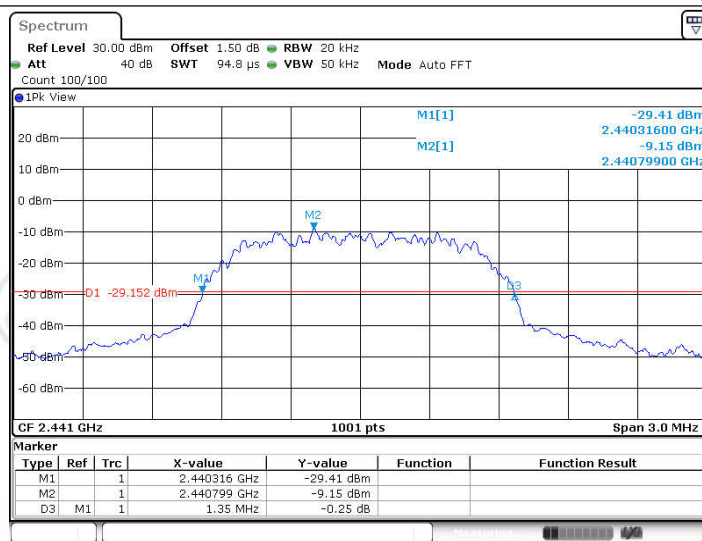




DH5_Ant1_2480

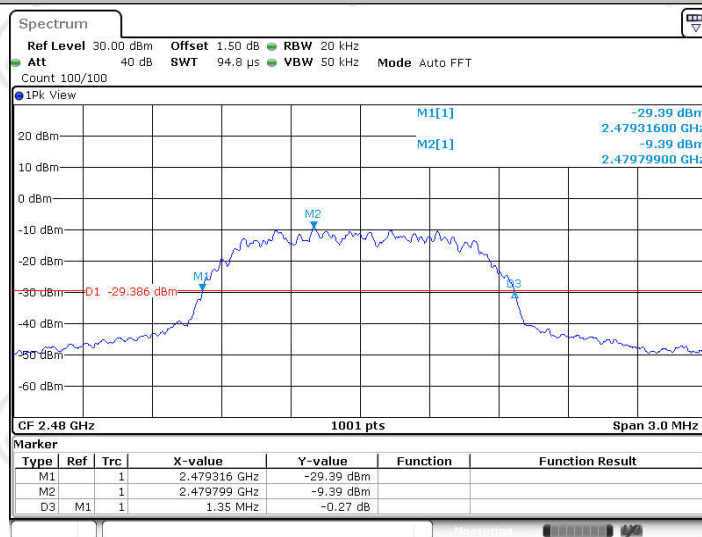


2DH5_Ant1_2402



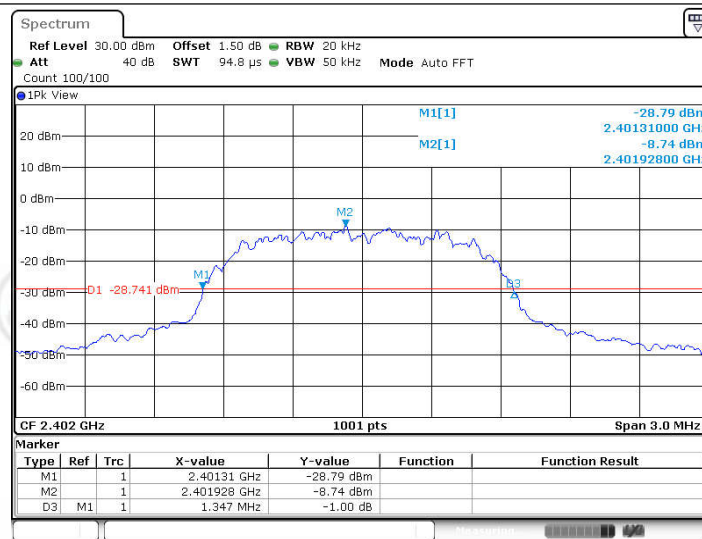
Date: 3 NOV 2021 18:40:07

2DH5_Ant1_2441



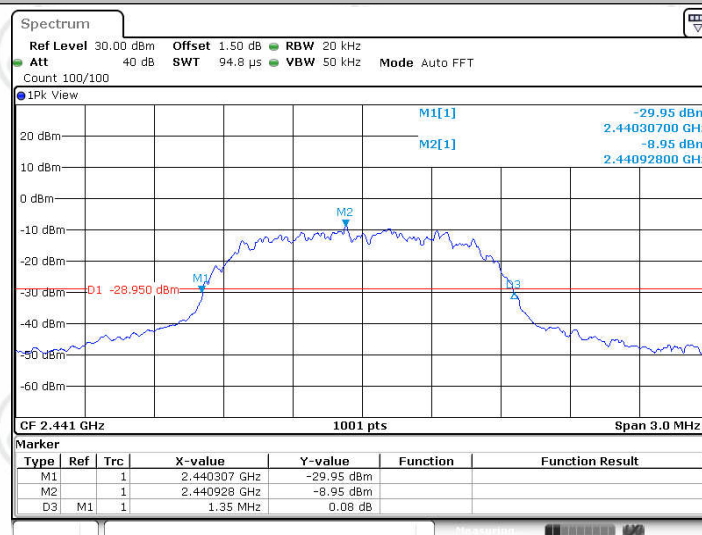
Date: 3 NOV 2021 18:41:56

2DH5_Ant1_2480



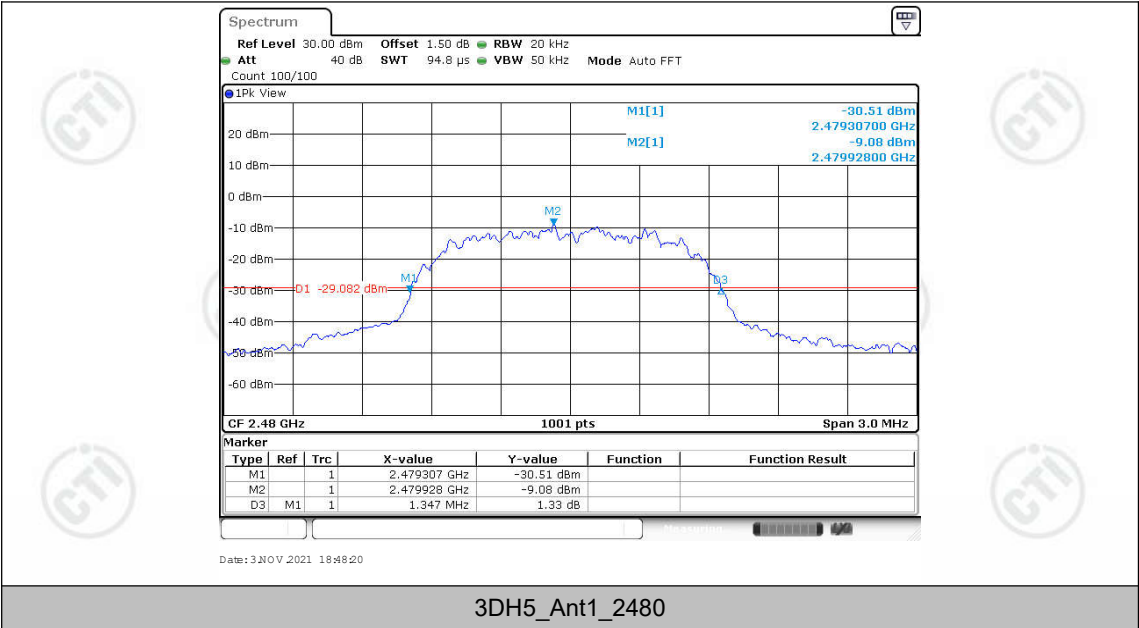
Date: 3 NOV 2021 18:44:01

3DH5_Ant1_2402



Date: 3 NOV 2021 18:46:05

3DH5_Ant1_2441

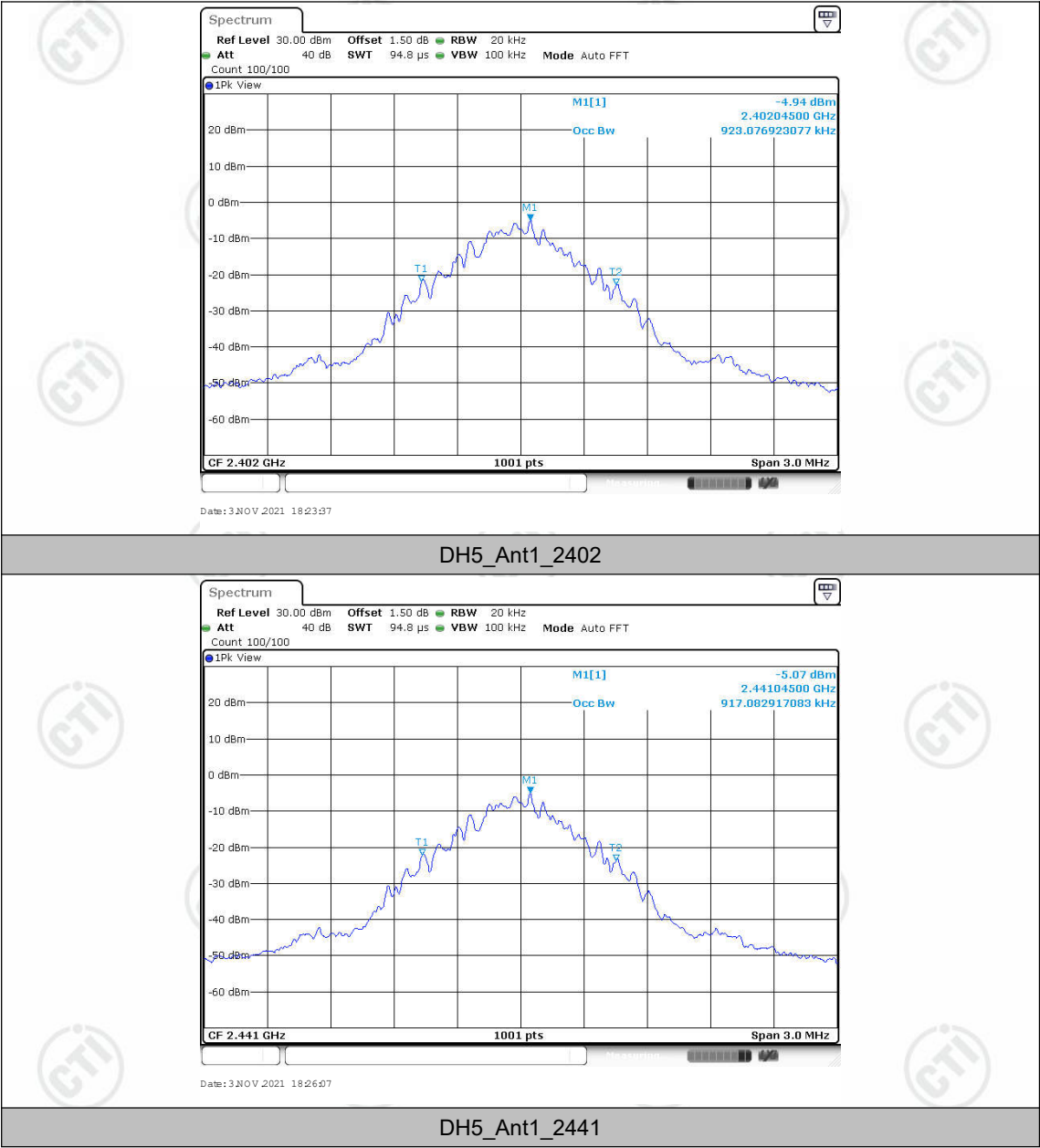


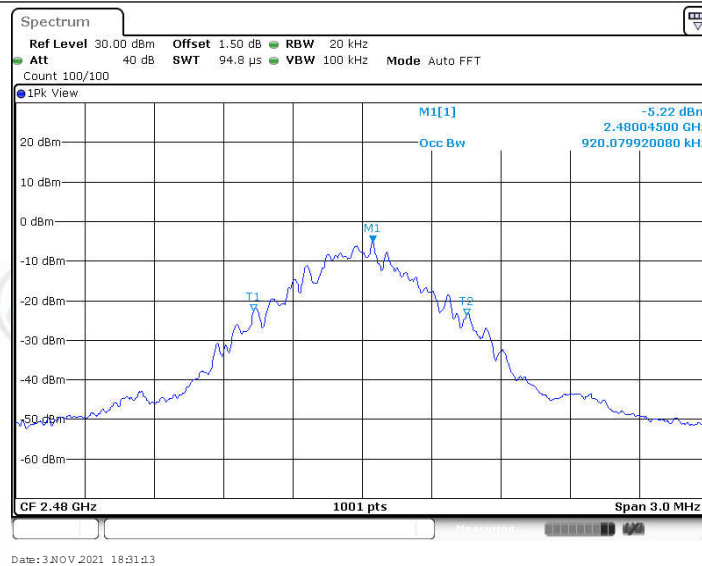
Appendix B: Occupied Channel Bandwidth

Test Result

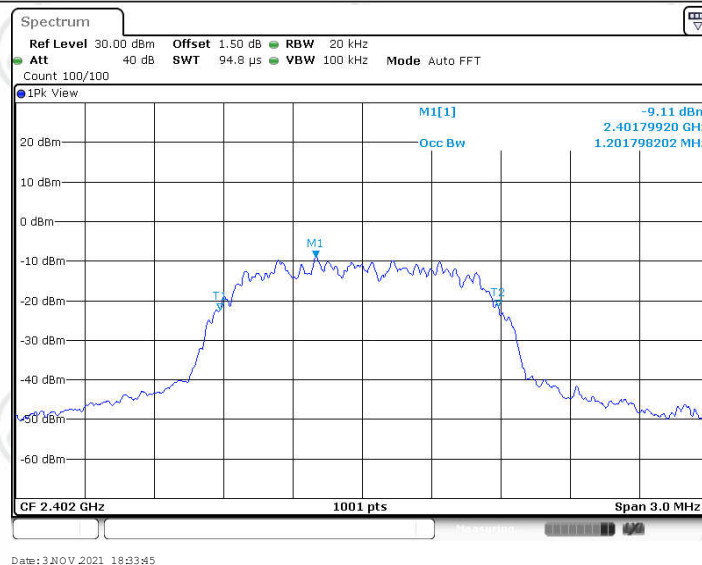
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.923	2401.529	2402.453	---	PASS
		2441	0.917	2440.532	2441.450	---	PASS
		2480	0.92	2479.529	2480.450	---	PASS
2DH5	Ant1	2402	1.202	2401.386	2402.587	---	PASS
		2441	1.202	2440.386	2441.587	---	PASS
		2480	1.202	2479.386	2480.587	---	PASS
3DH5	Ant1	2402	1.208	2401.377	2402.584	---	PASS
		2441	1.208	2440.377	2441.584	---	PASS
		2480	1.208	2479.377	2480.584	---	PASS

Test Graphs

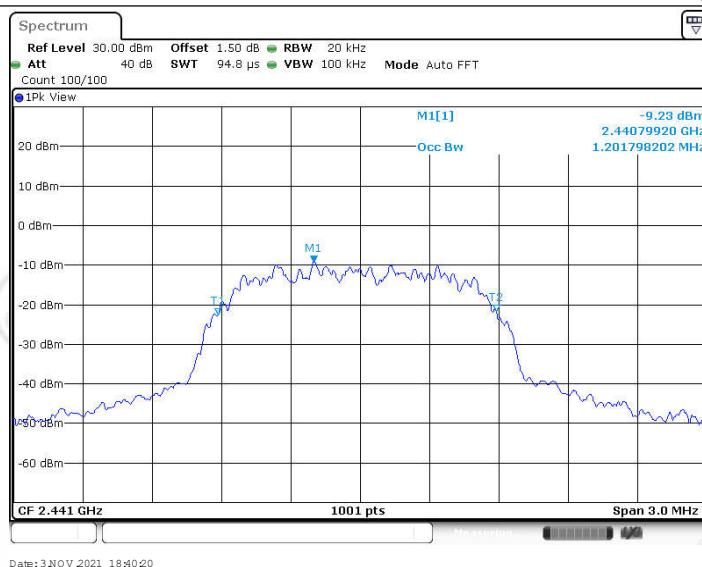




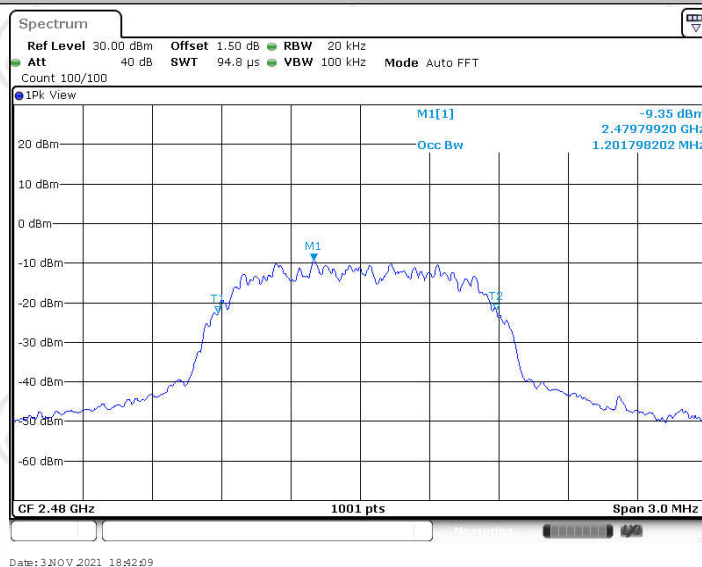
DH5_Ant1_2480



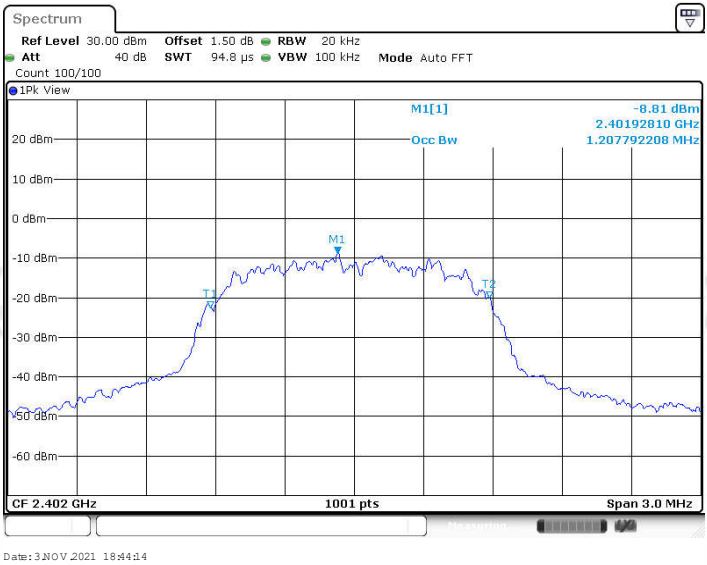
2DH5_Ant1_2402



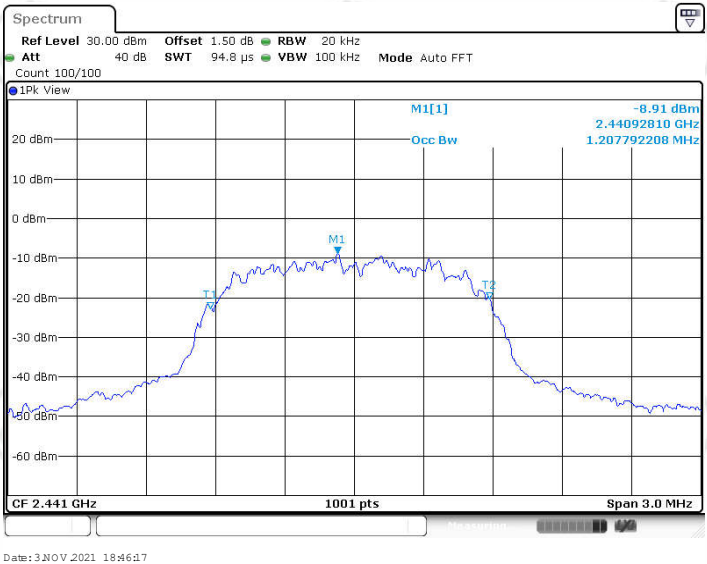
2DH5_Ant1_2441



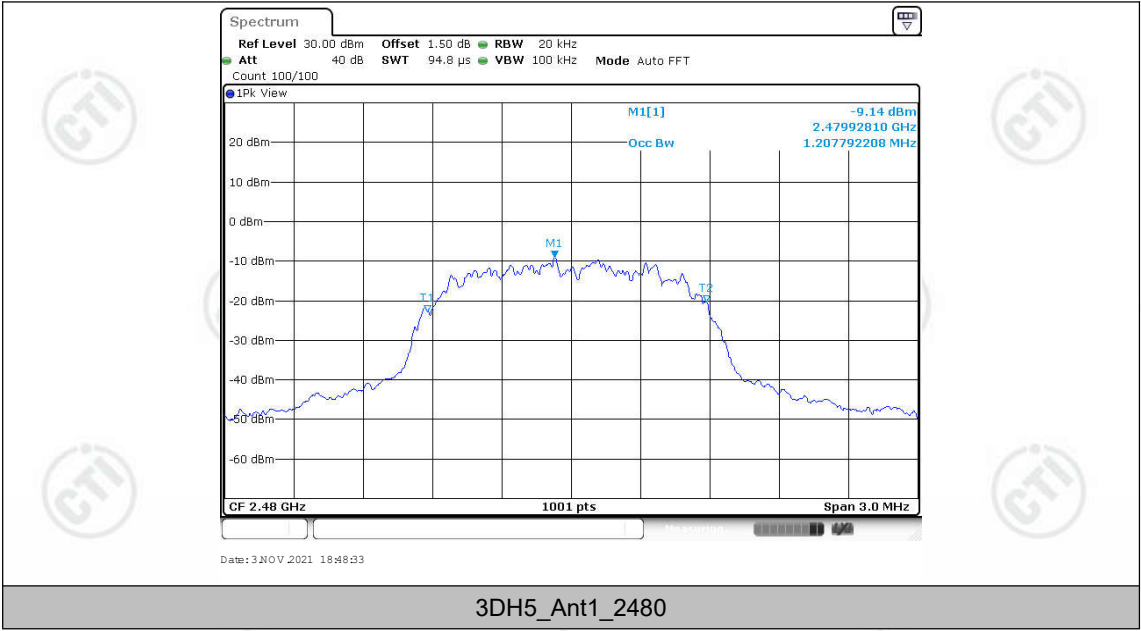
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

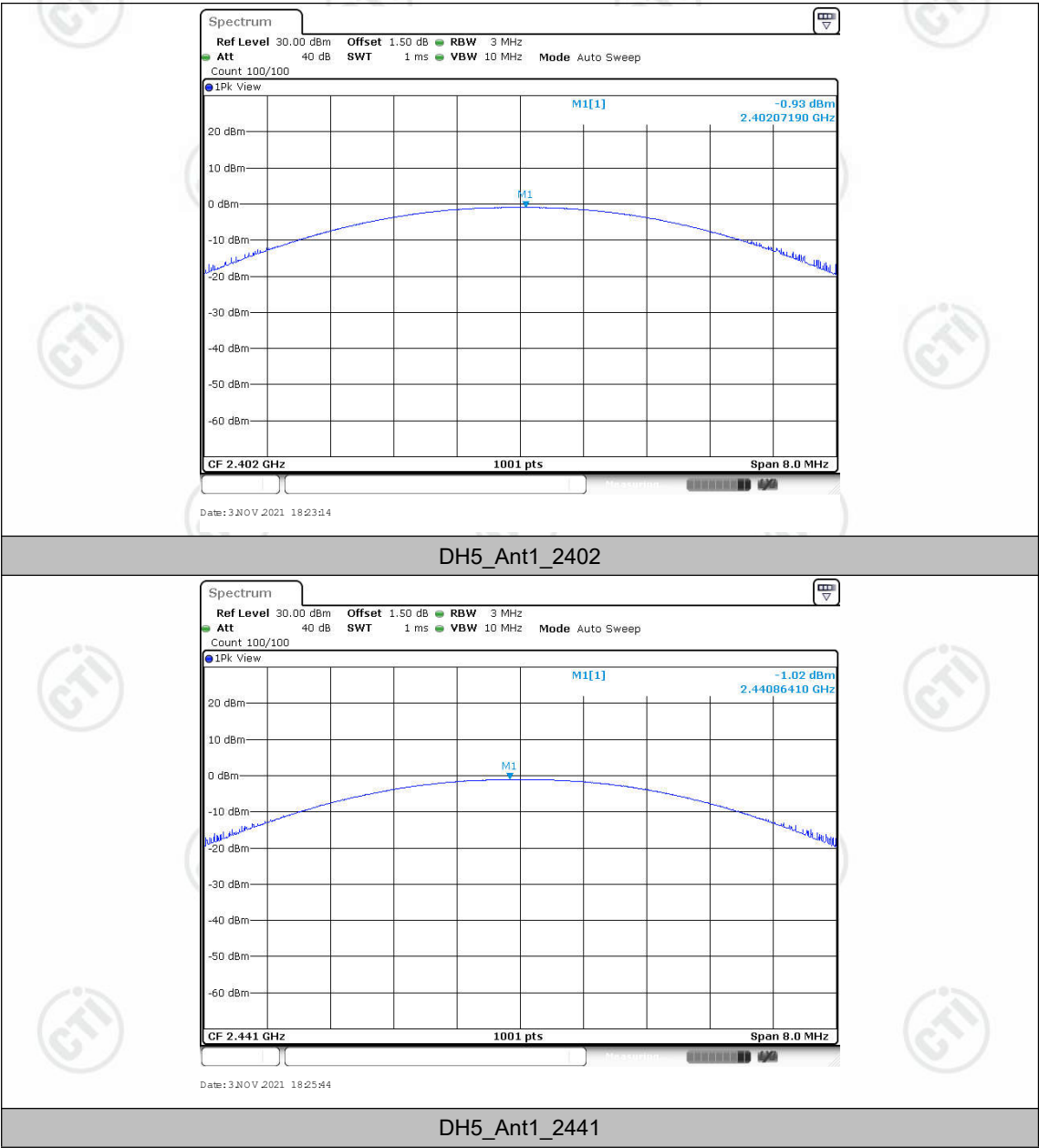


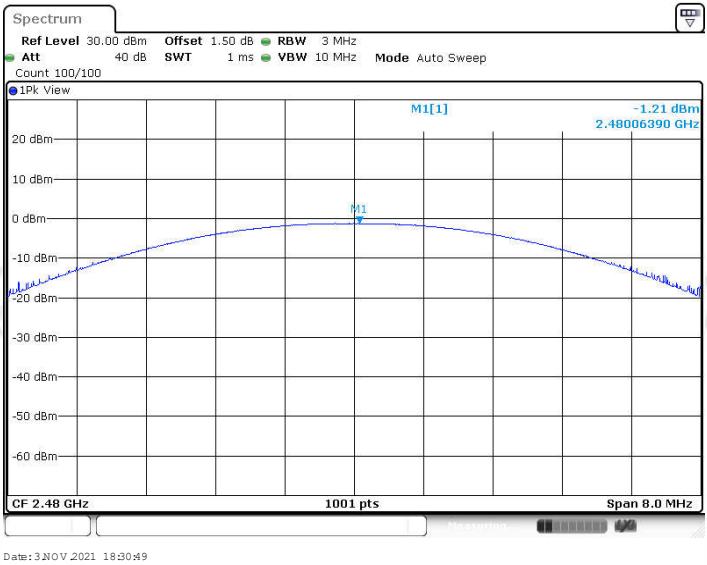
Appendix C: Maximum conducted output power

Test Result

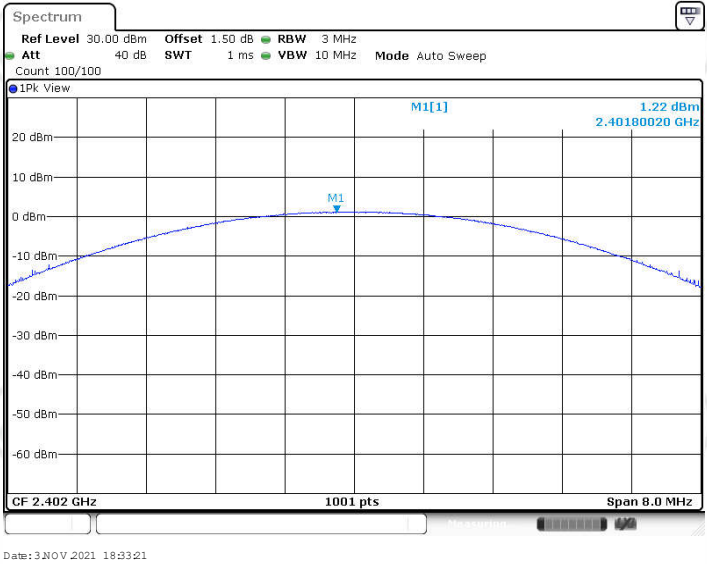
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.93	<=30	PASS
		2441	-1.02	<=20.97	PASS
		2480	-1.21	<=20.97	PASS
2DH5	Ant1	2402	1.22	<=30	PASS
		2441	1.06	<=20.97	PASS
		2480	0.9	<=20.97	PASS
3DH5	Ant1	2402	1.59	<=30	PASS
		2441	1.38	<=20.97	PASS
		2480	1.3	<=20.97	PASS

Test Graphs

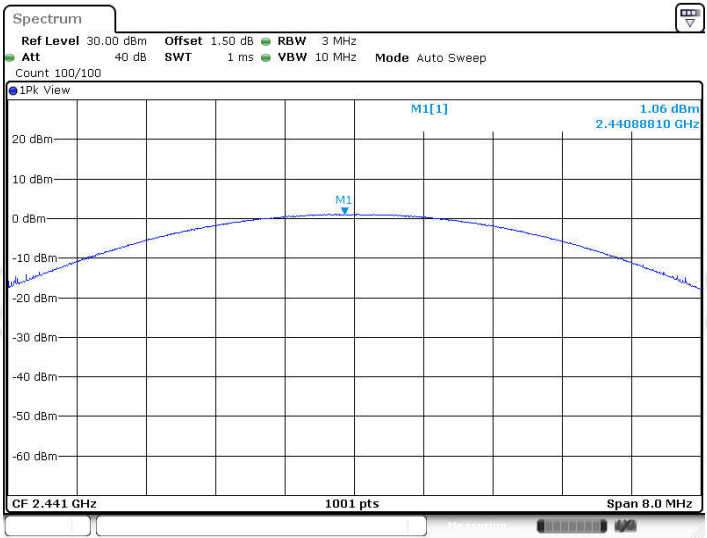




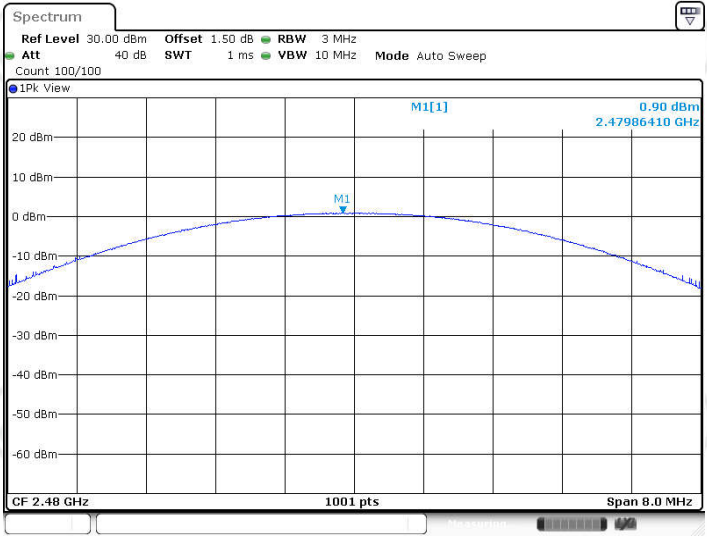
DH5_Ant1_2480



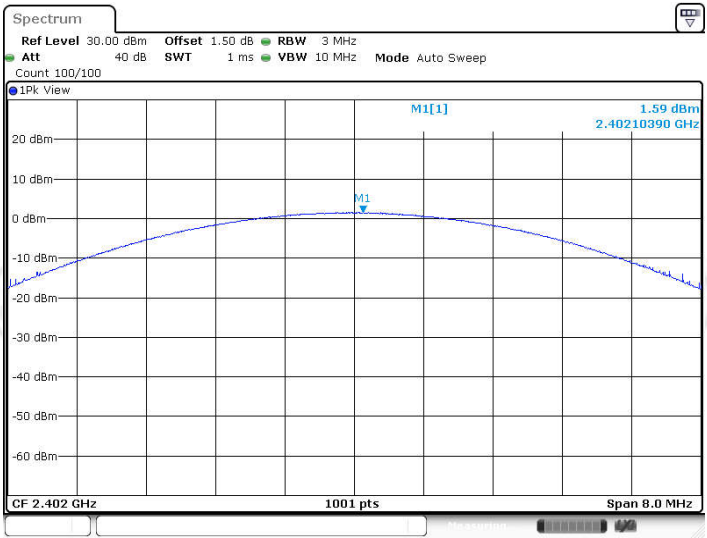
2DH5_Ant1_2402



2DH5_Ant1_2441

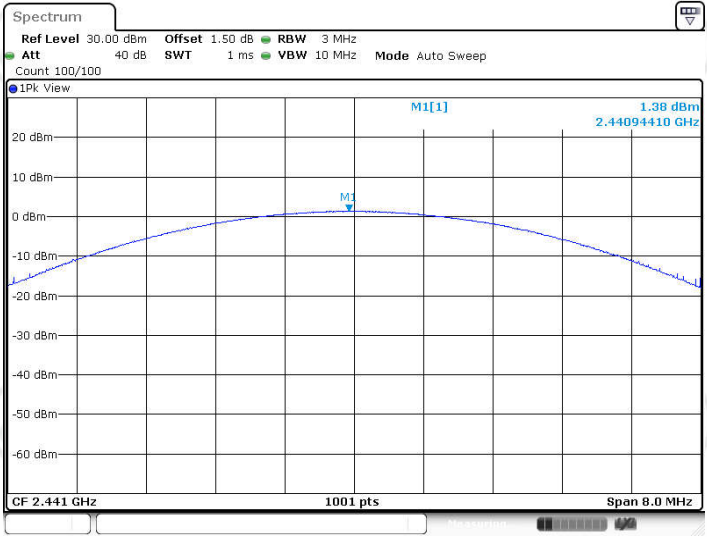


2DH5_Ant1_2480



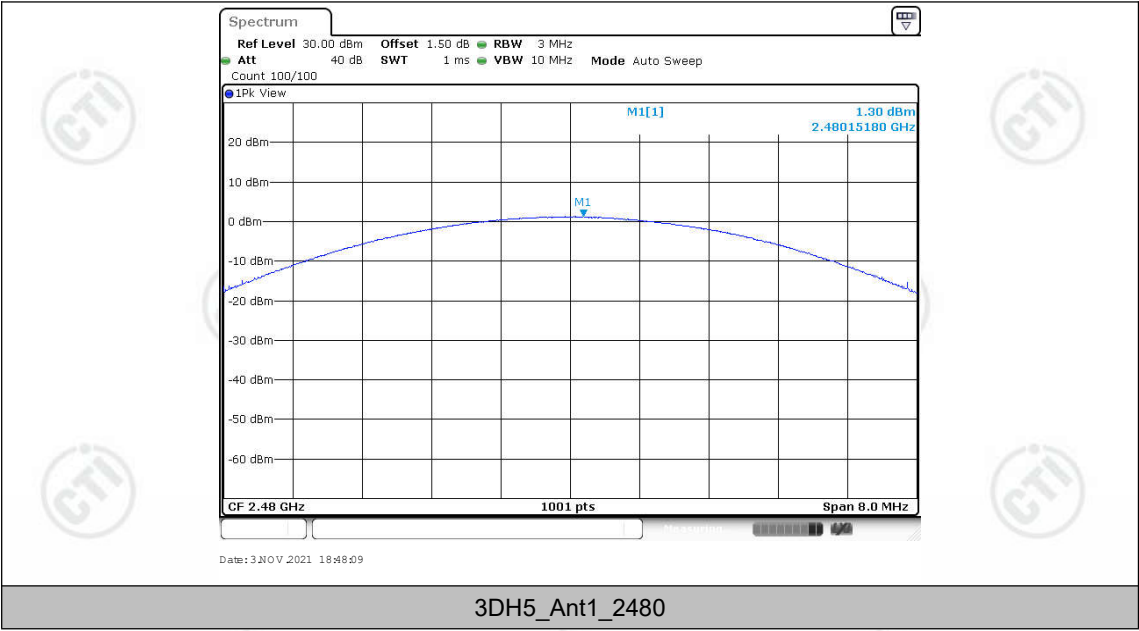
Date: 3 NOV 2021 18:43:51

3DH5_Ant1_2402



Date: 3 NOV 2021 18:45:54

3DH5_Ant1_2441

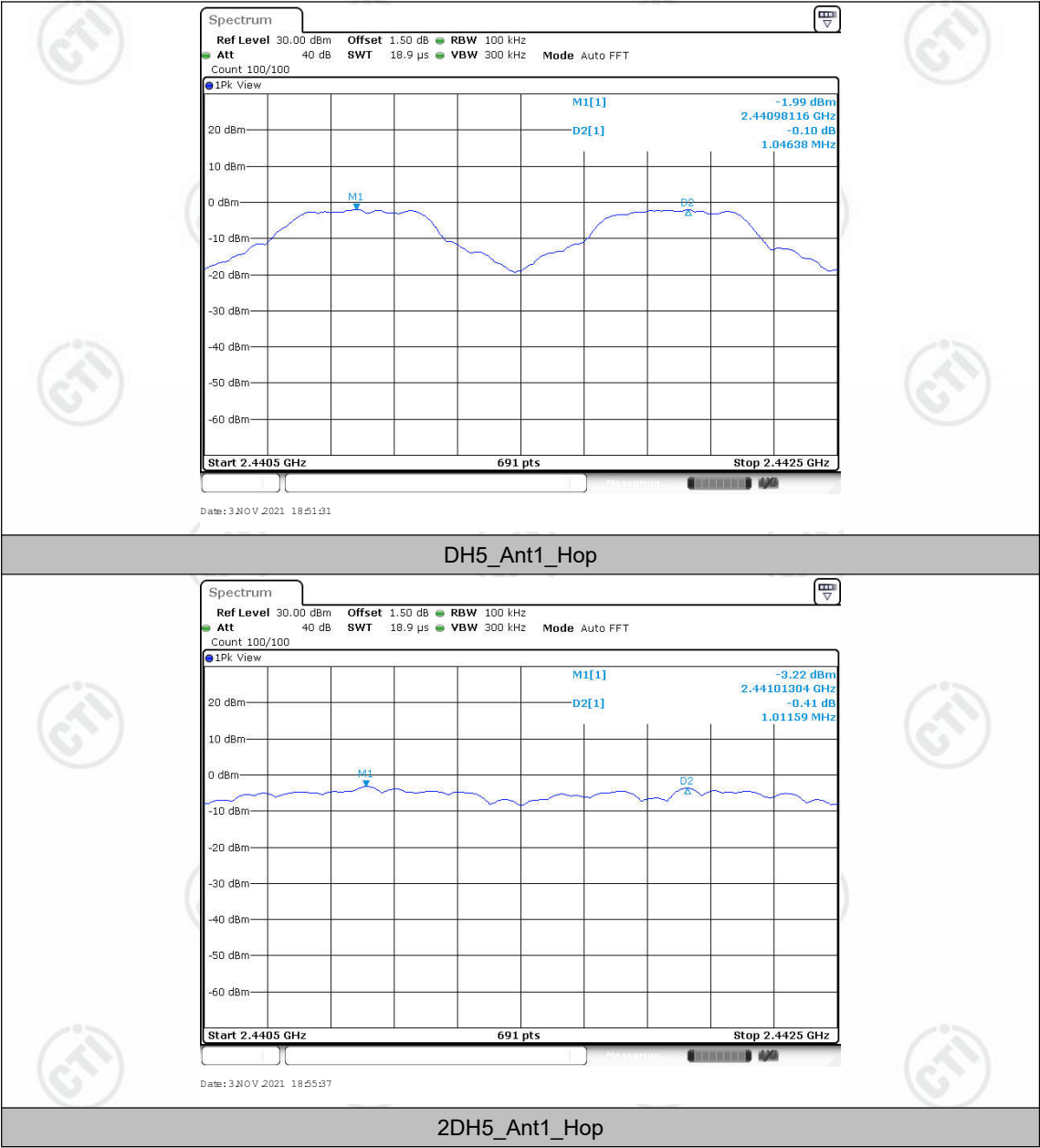


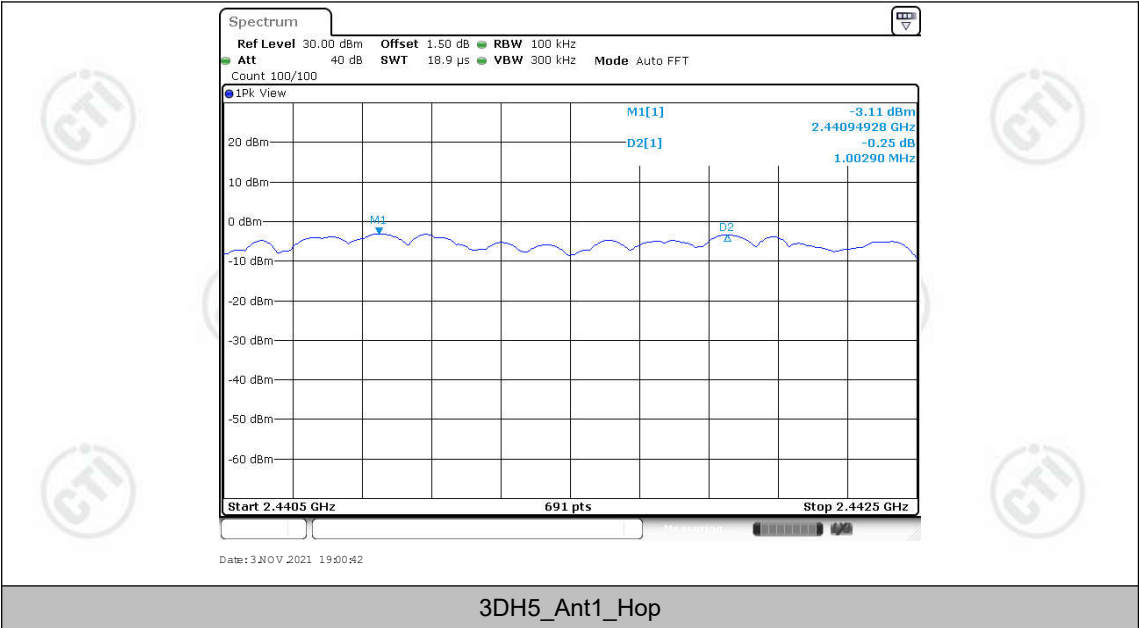
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.046	≥ 0.954	PASS
2DH5	Ant1	Hop	1.012	≥ 0.900	PASS
3DH5	Ant1	Hop	1.003	≥ 0.900	PASS

Test Graphs



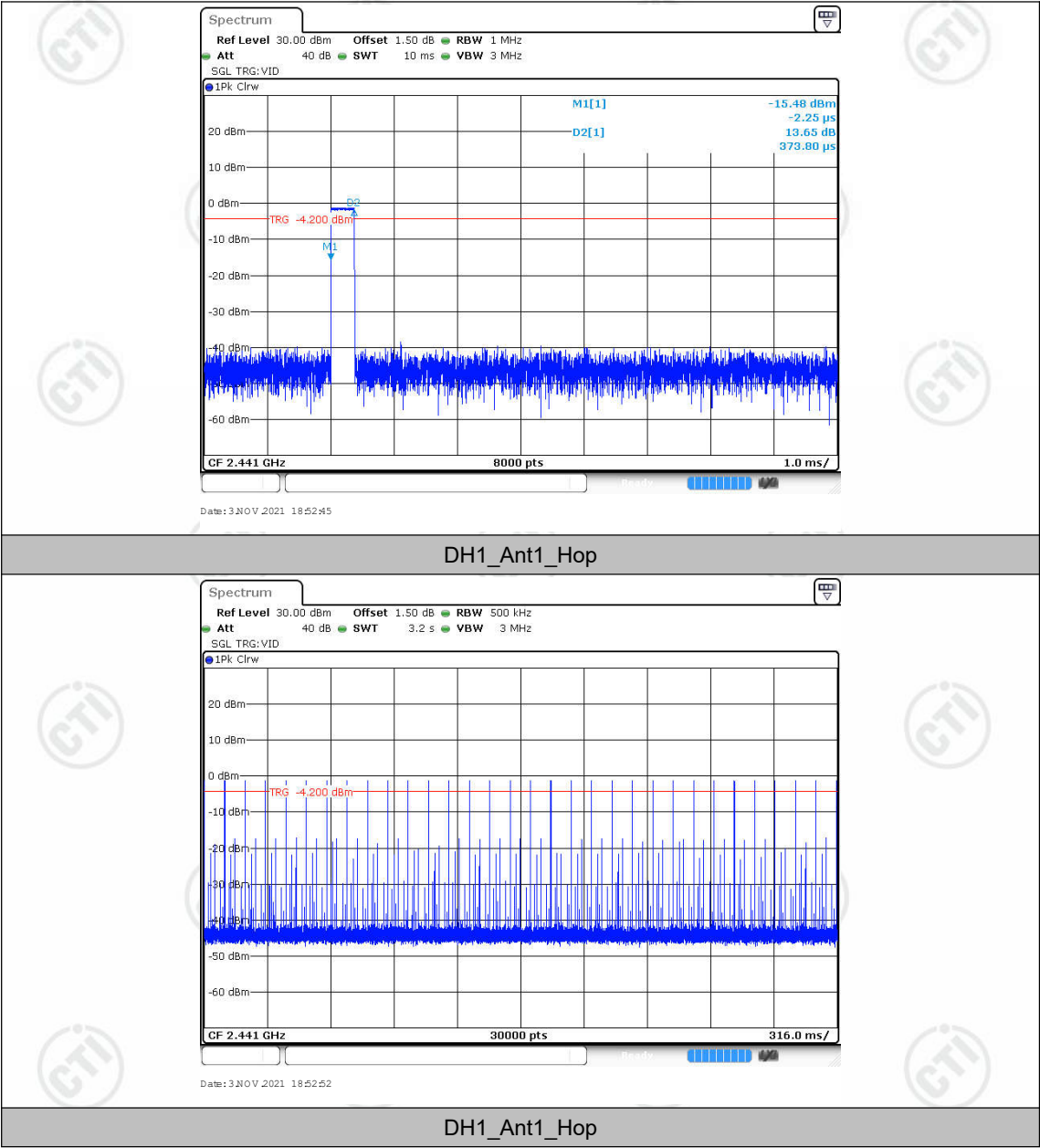


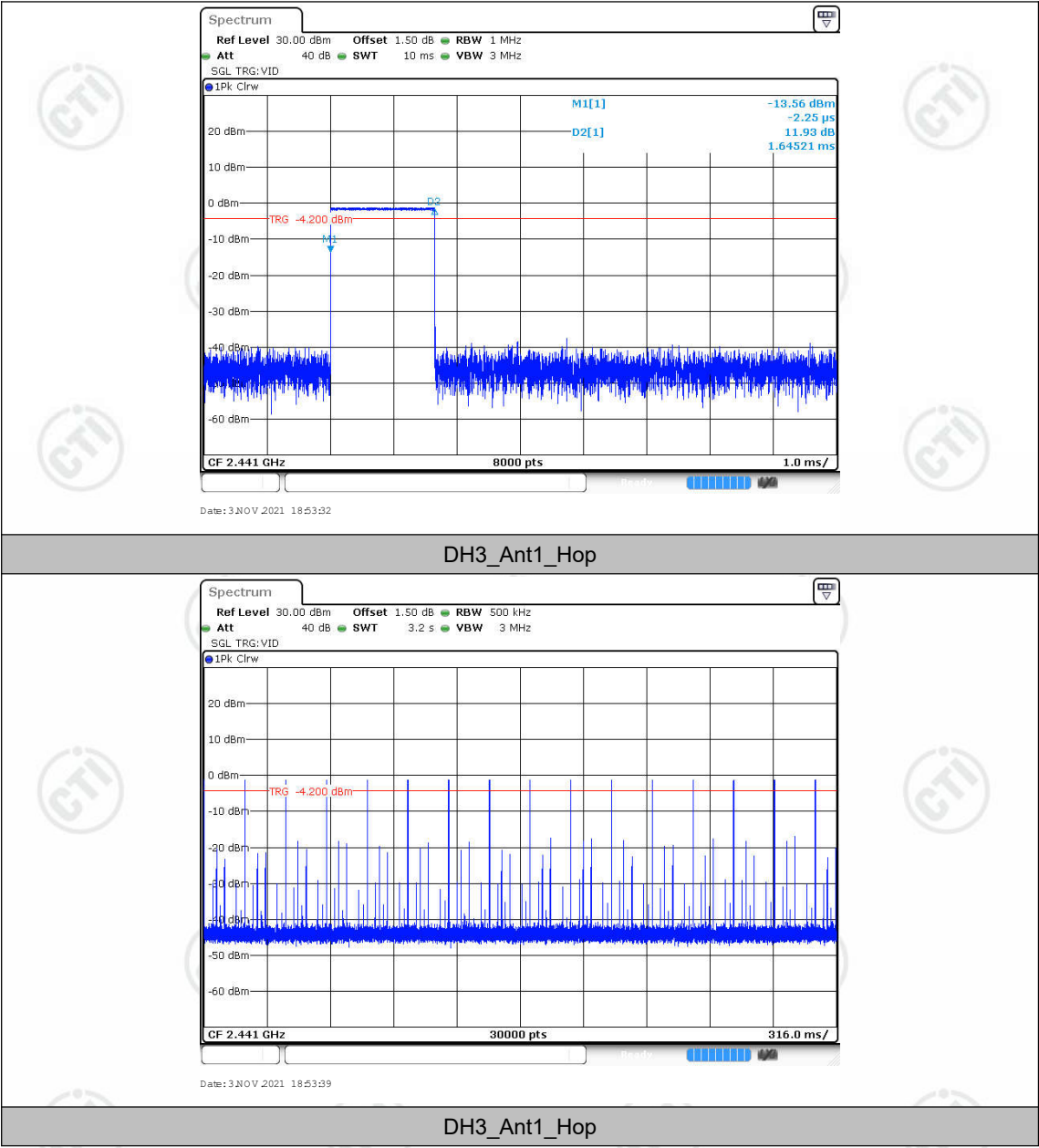
Appendix E: Time of occupancy

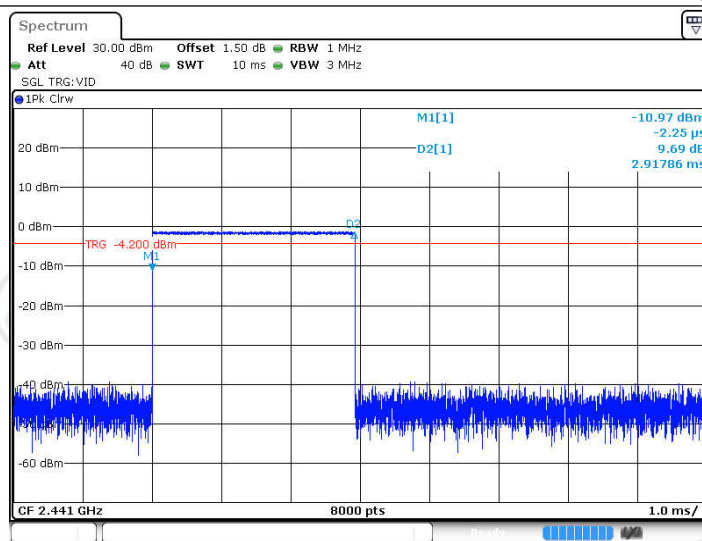
Test Result

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	1.65	160	0.263	<=0.4	PASS
DH5	Ant1	Hop	2.92	110	0.321	<=0.4	PASS
2DH1	Ant1	Hop	0.37	320	0.119	<=0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.26	<=0.4	PASS
2DH5	Ant1	Hop	2.92	110	0.321	<=0.4	PASS
3DH1	Ant1	Hop	0.37	320	0.12	<=0.4	PASS
3DH3	Ant1	Hop	1.65	160	0.263	<=0.4	PASS
3DH5	Ant1	Hop	2.90	110	0.319	<=0.4	PASS

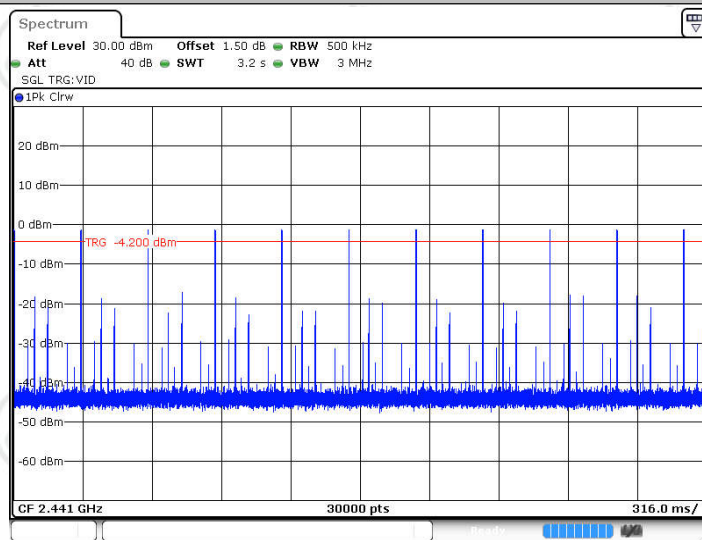
Test Graphs



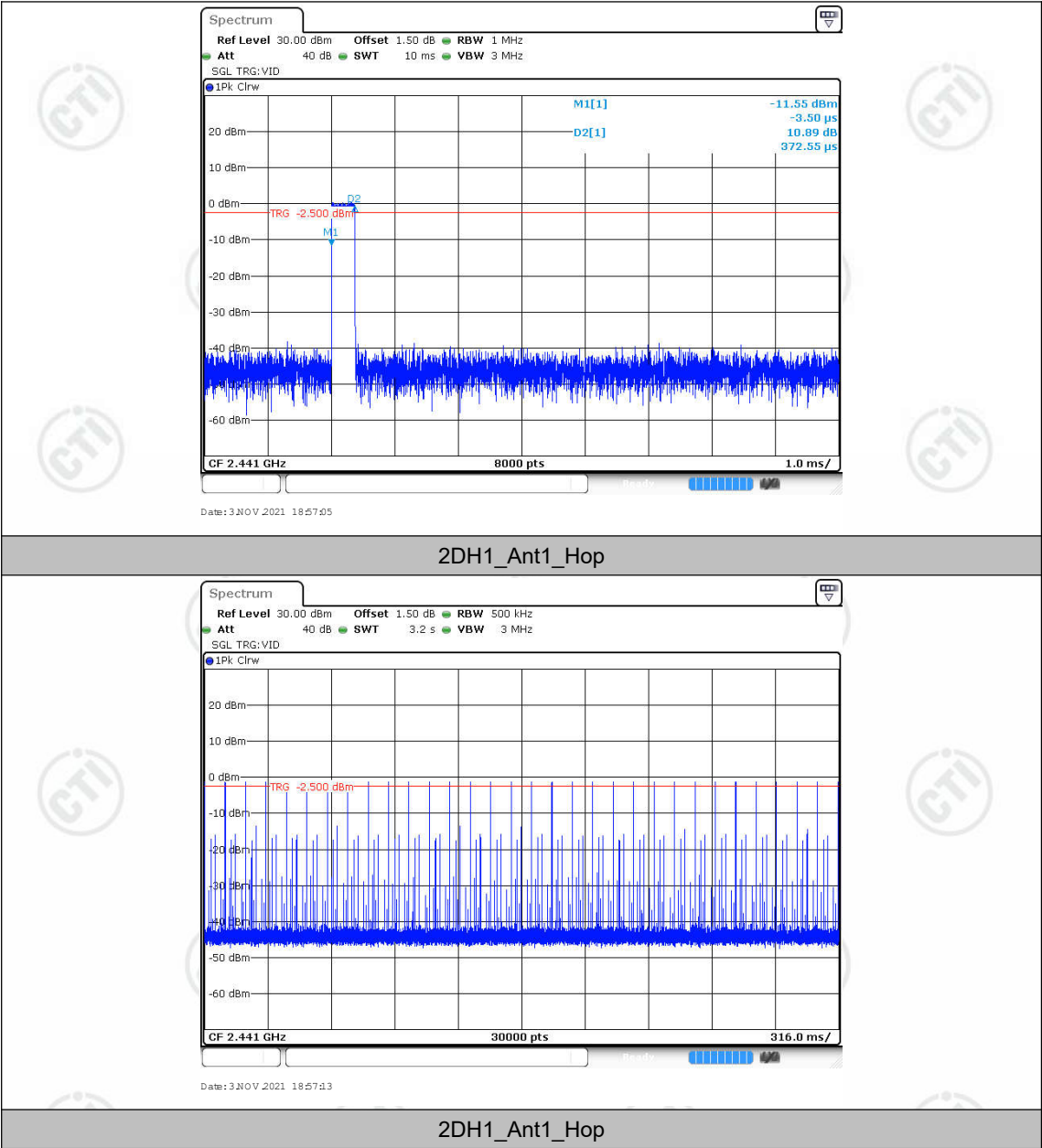


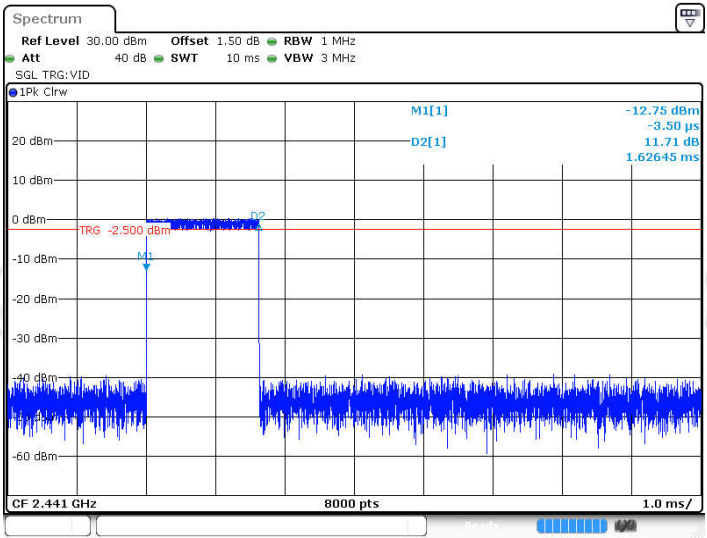


DH5_Ant1_Hop



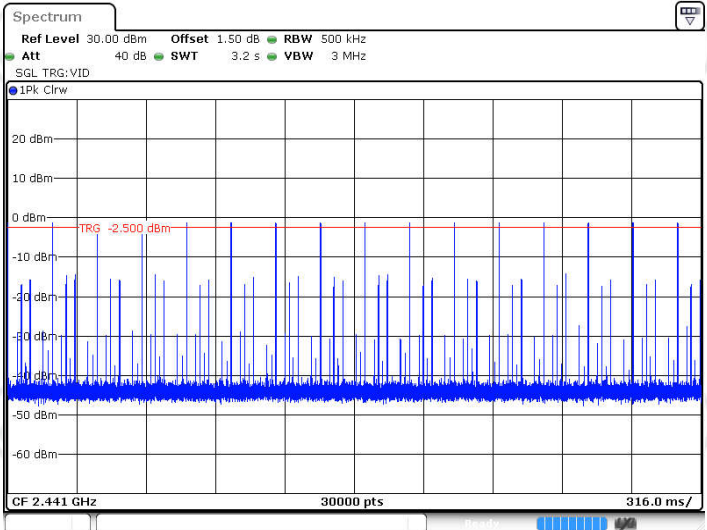
DH5_Ant1_Hop





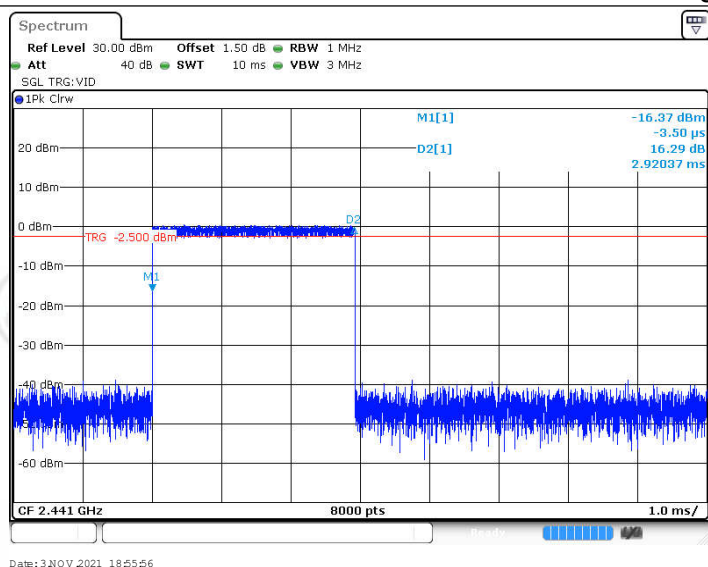
Date: 3 NOV 2021 18:57:39

2DH3_Ant1_Hop

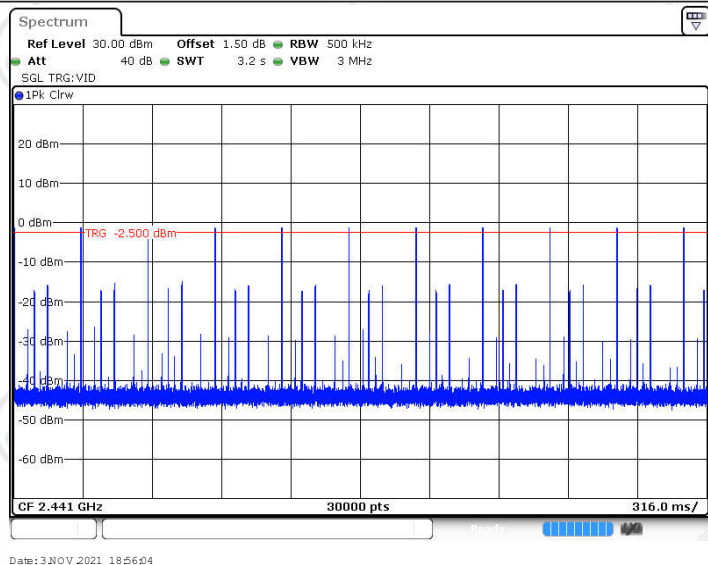


Date: 3 NOV 2021 18:57:46

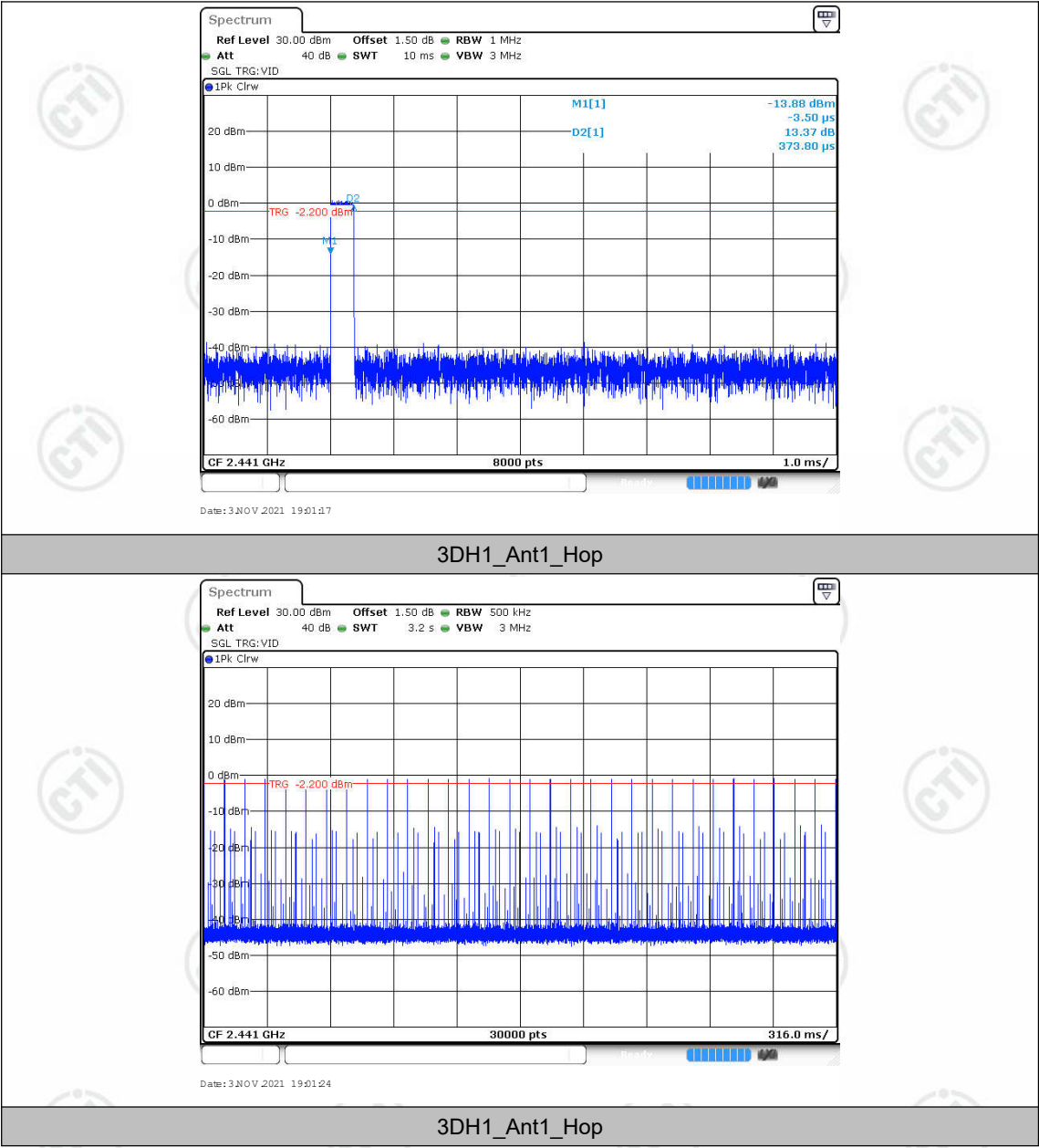
2DH3_Ant1_Hop

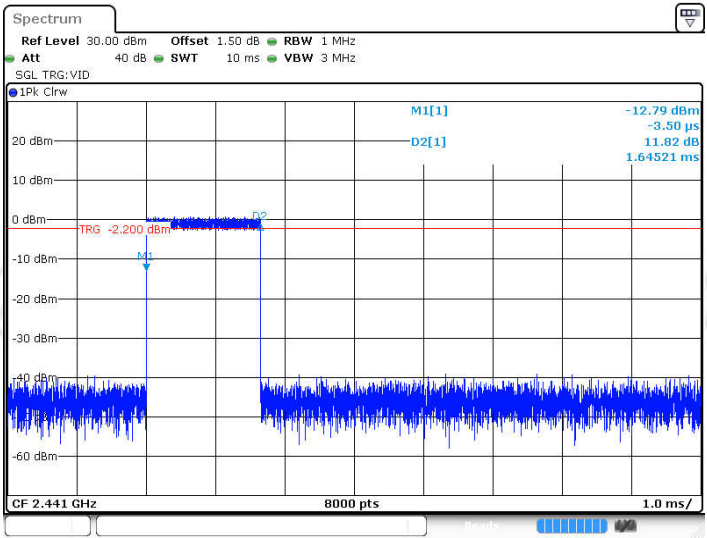


2DH5_Ant1_Hop



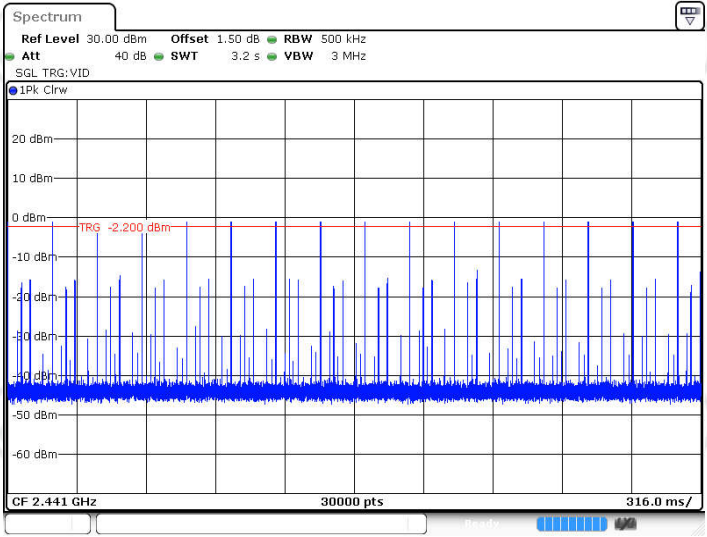
2DH5_Ant1_Hop





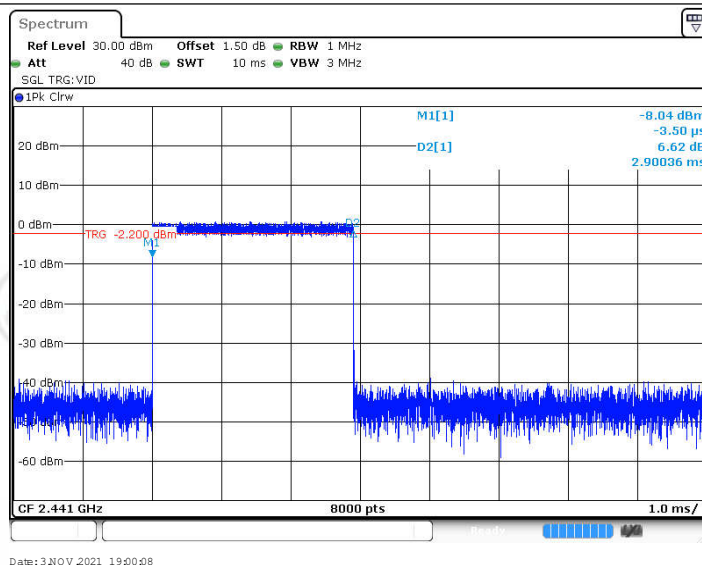
Date: 3 NOV 2021 19:01:59

3DH3_Ant1_Hop

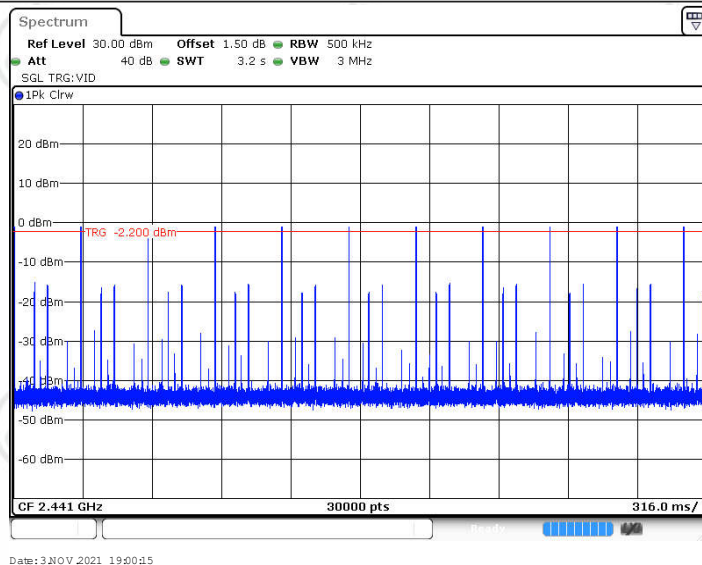


Date: 3 NOV 2021 19:02:07

3DH3_Ant1_Hop



3DH5_Ant1_Hop



3DH5_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

