

Appendix: Bluetooth Classic

Contents

Appendix A: 20dB Emission Bandwidth 3

 Test Result 3

 Test Graphs 4

Appendix B: Occupied Channel Bandwidth 13

 Test Result 13

 Test Graphs 14

Appendix C: Maximum conducted output power 23

 Test Result 23

 Test Graphs 24

Appendix D: Carrier frequency separation 33

 Test Result 33

 Test Graphs 34

Appendix E: Time of occupancy 37

 Test Result 37

 Test Graphs 38

Appendix F: Number of hopping channels 47

 Test Result 47

 Test Graphs 48

Appendix G: Band edge measurements 51

 Test Result 51

 Test Graphs 52

Appendix H: Conducted Spurious Emission 64

 Test Result 64

 Test Graphs 65

Appendix I: Duty Cycle 92

 Test Result 92

 Test Graphs 93

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.969	2401.532	2402.501	---	---
DH5	Ant1	2441	0.942	2440.535	2441.477	---	---
DH5	Ant1	2480	0.945	2479.535	2480.480	---	---
2DH5	Ant1	2402	1.236	2401.370	2402.606	---	---
2DH5	Ant1	2441	1.236	2440.367	2441.603	---	---
2DH5	Ant1	2480	1.284	2479.361	2480.645	---	---
3DH5	Ant1	2402	1.287	2401.349	2402.636	---	---
3DH5	Ant1	2441	1.266	2440.352	2441.618	---	---
3DH5	Ant1	2480	1.257	2479.355	2480.612	---	---

Test Graphs

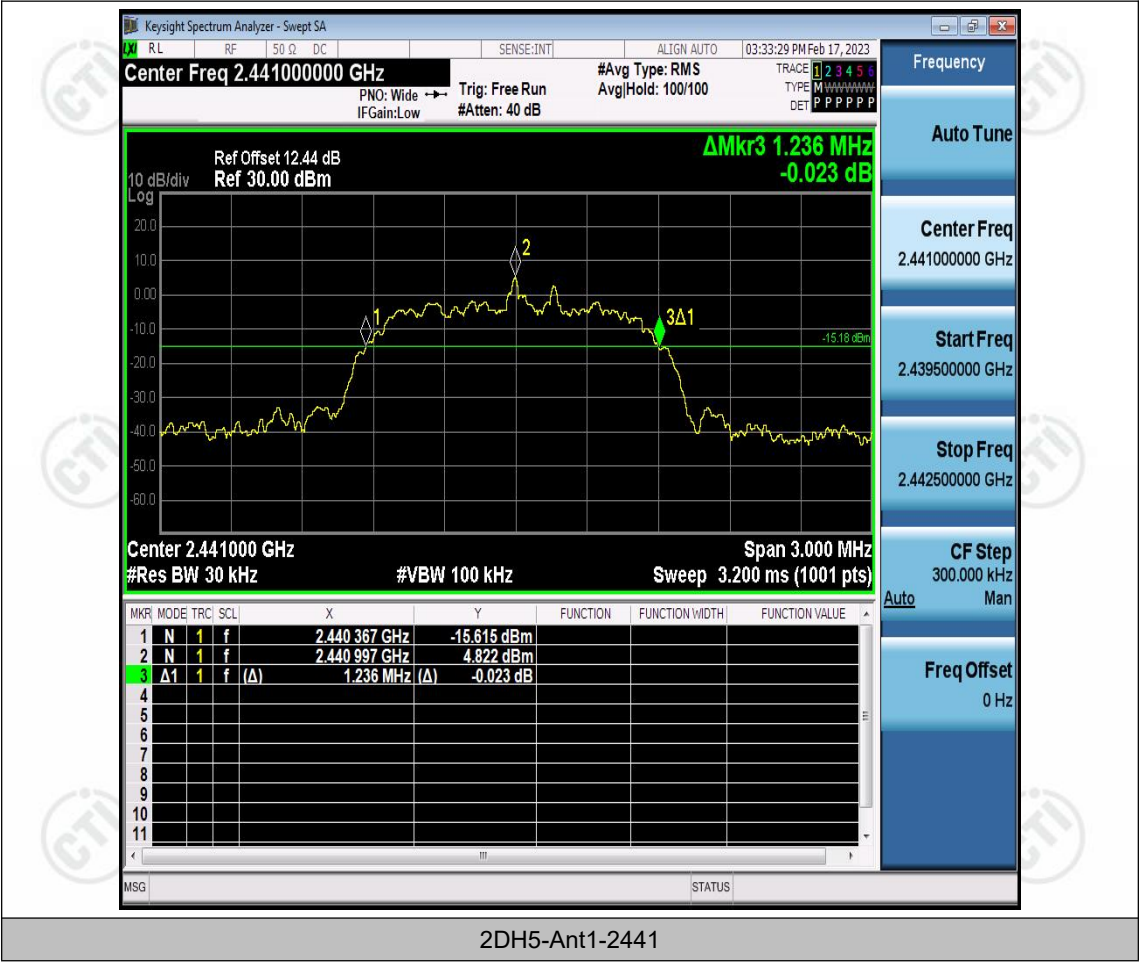


DH5-Ant1-2402















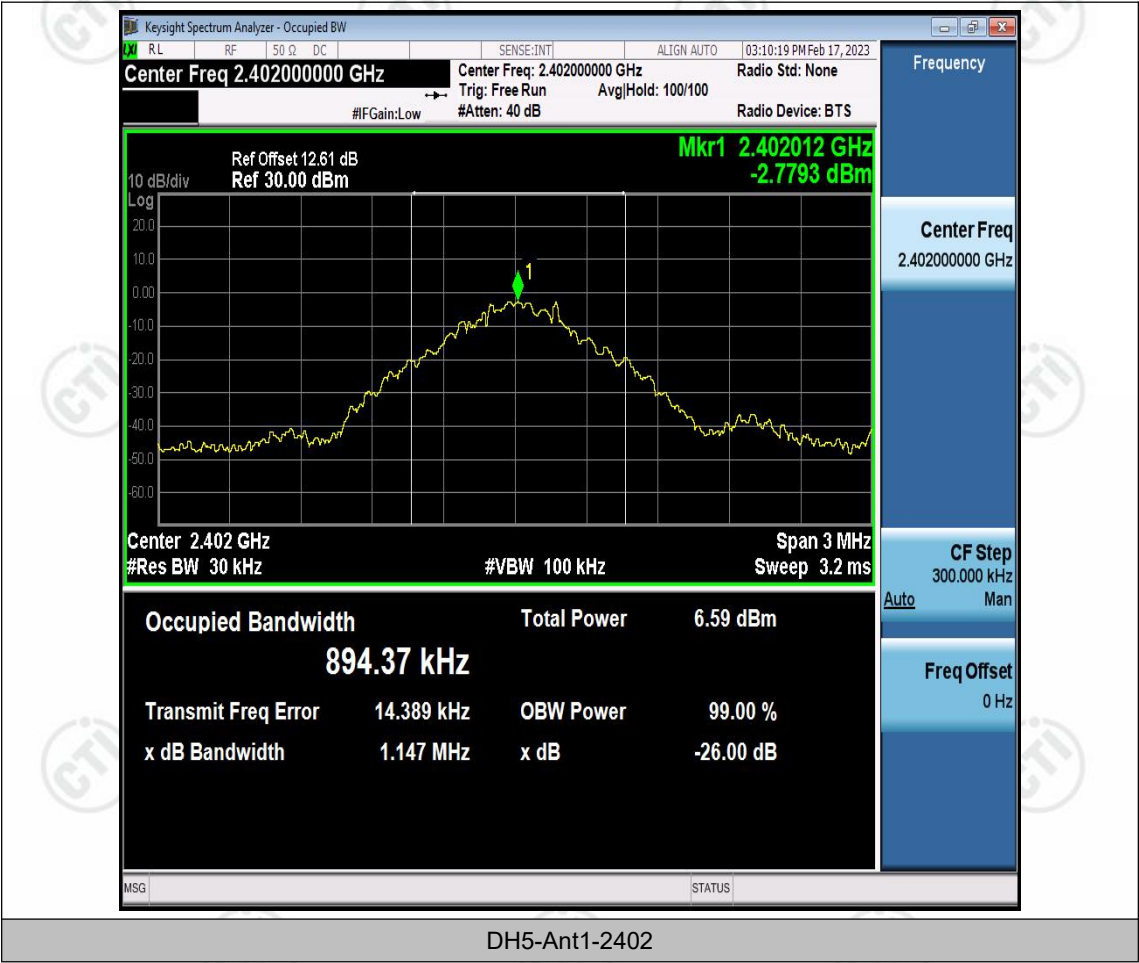


Appendix B: Occupied Channel Bandwidth

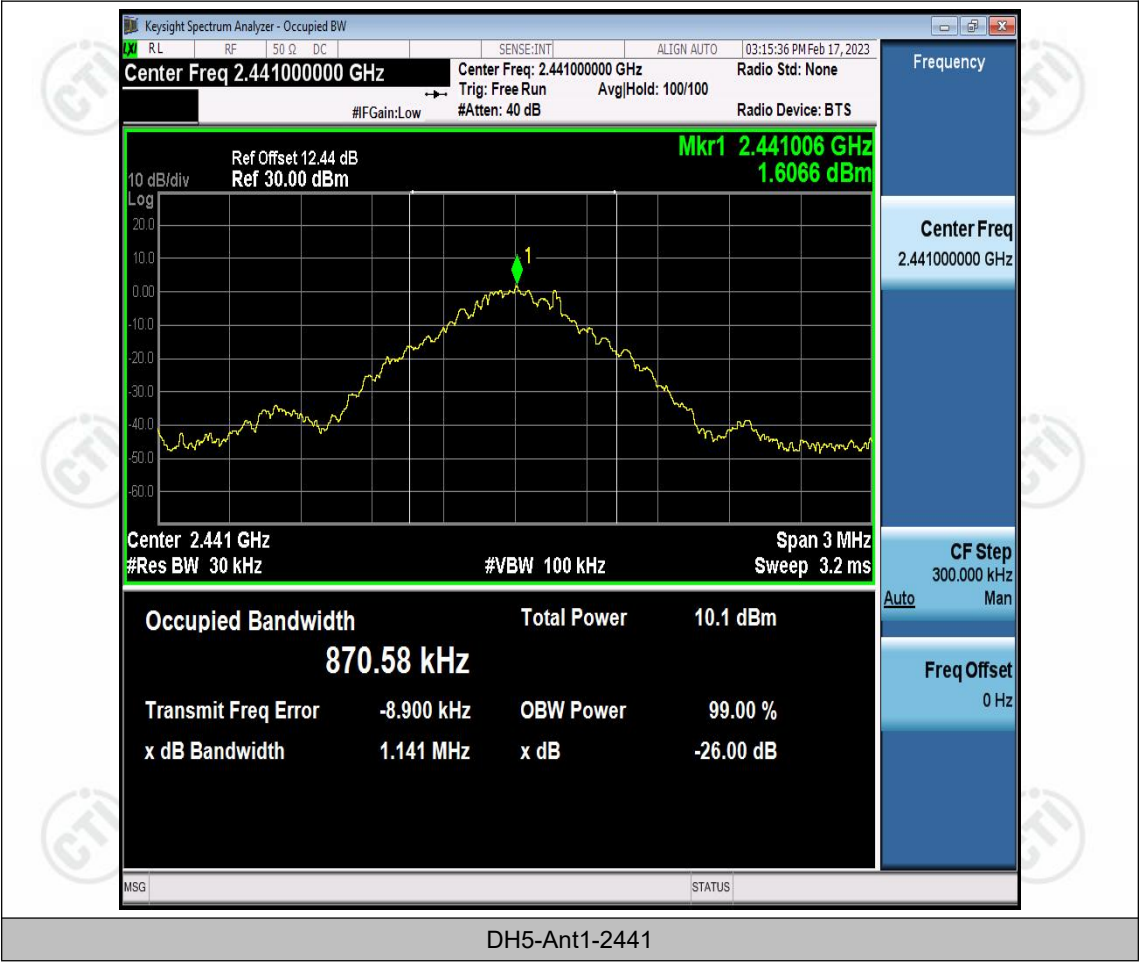
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89437	2401.5672	2402.4616	---	---
DH5	Ant1	2441	0.87058	2440.5558	2441.4264	---	---
DH5	Ant1	2480	0.87331	2479.5504	2480.4237	---	---
2DH5	Ant1	2402	1.1836	2401.4016	2402.5852	---	---
2DH5	Ant1	2441	1.1790	2440.4018	2441.5808	---	---
2DH5	Ant1	2480	1.1772	2479.4010	2480.5782	---	---
3DH5	Ant1	2402	1.1747	2401.4074	2402.5821	---	---
3DH5	Ant1	2441	1.1791	2440.4036	2441.5827	---	---
3DH5	Ant1	2480	1.1828	2479.4032	2480.5860	---	---

Test Graphs



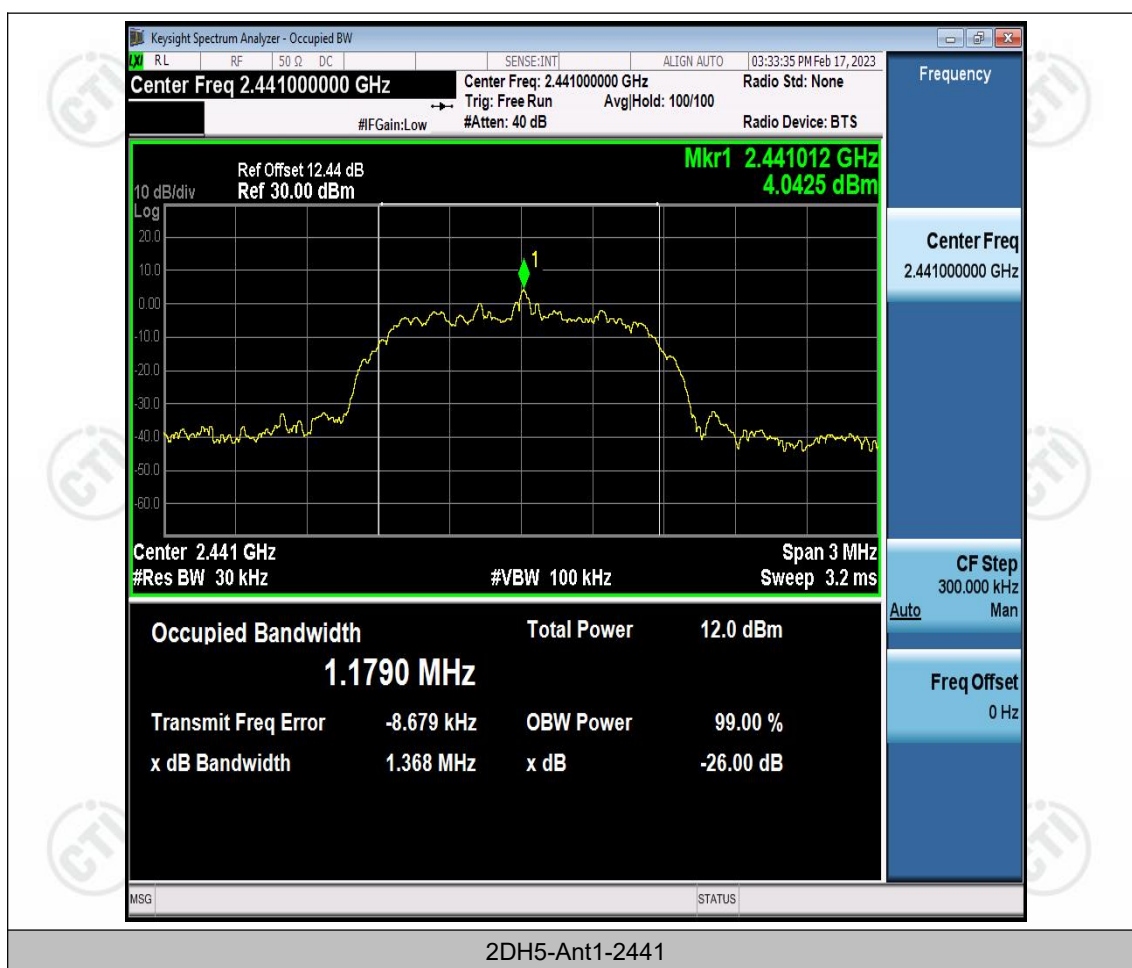
DH5-Ant1-2402

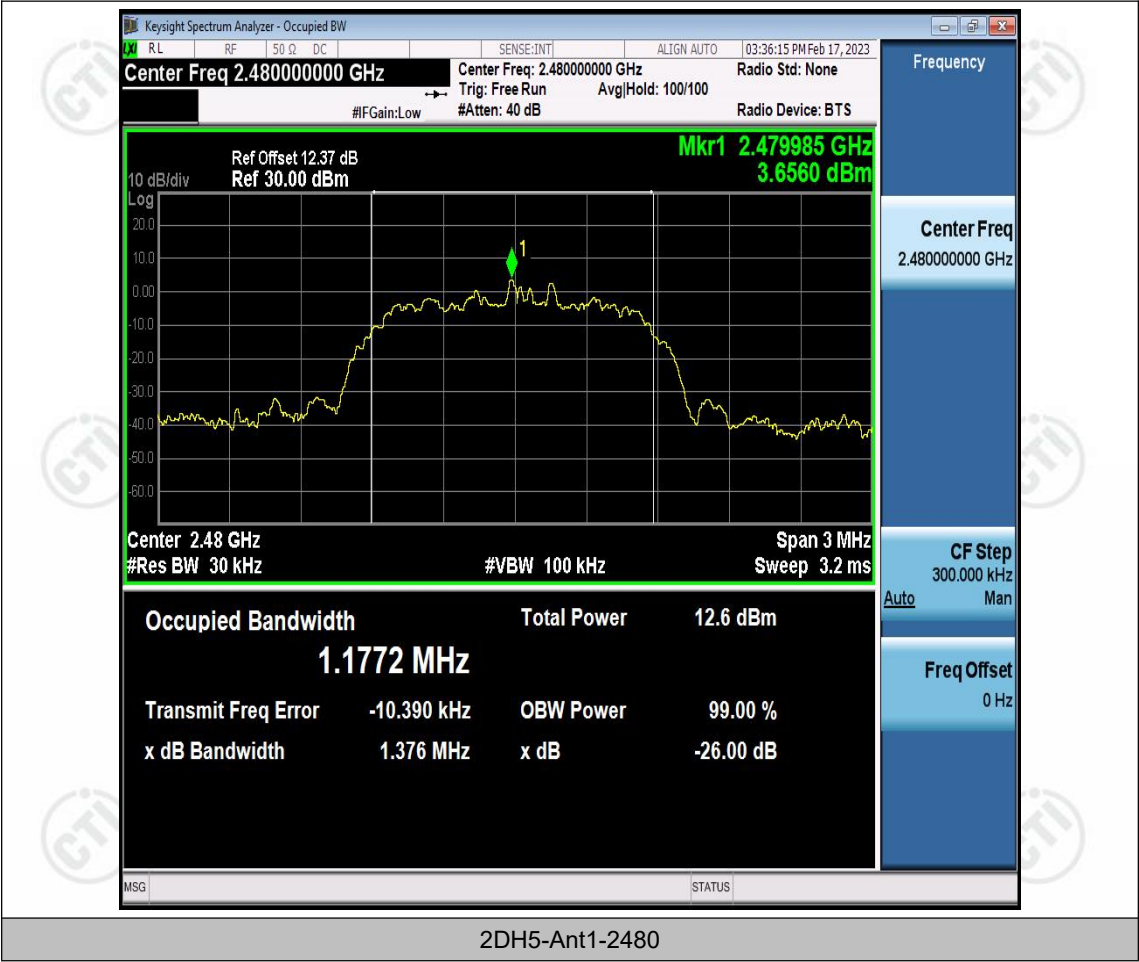


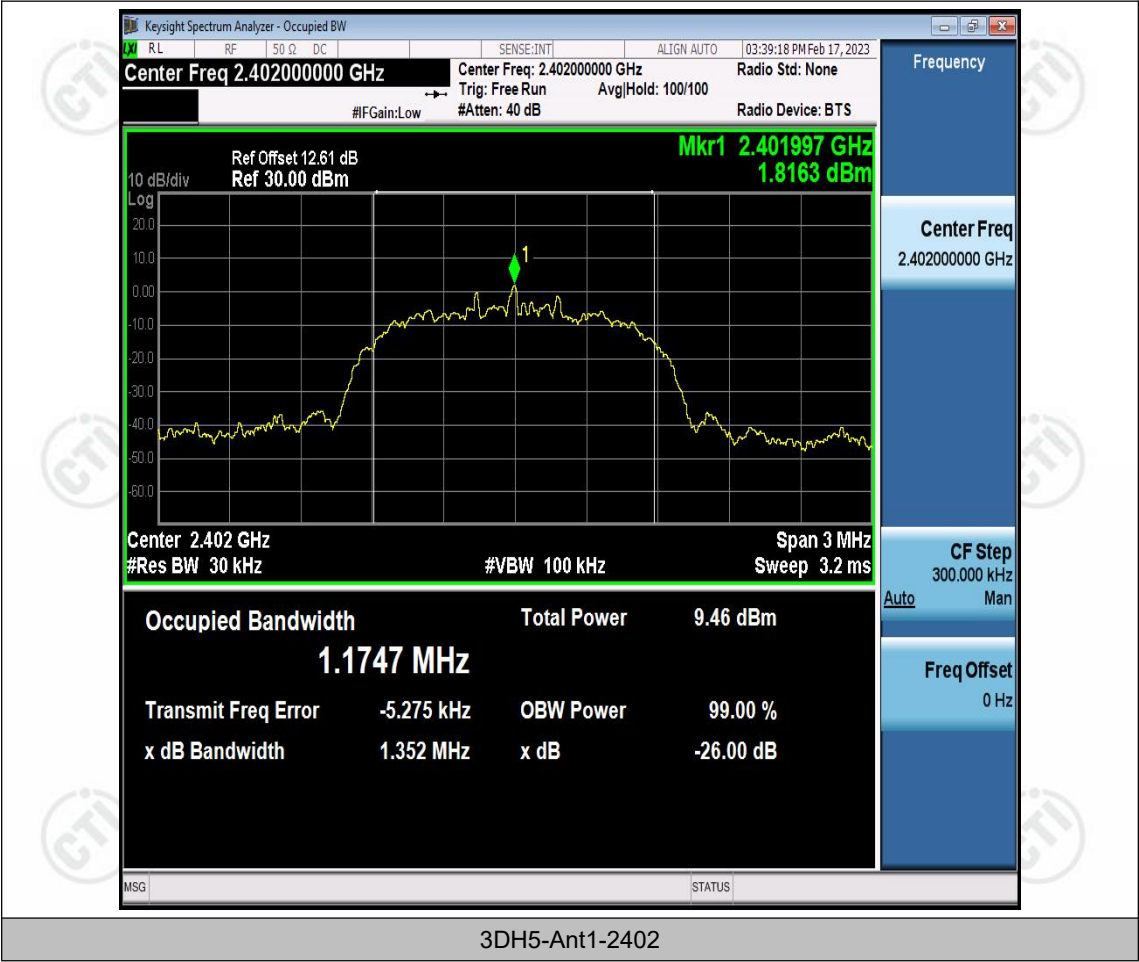
DH5-Ant1-2441

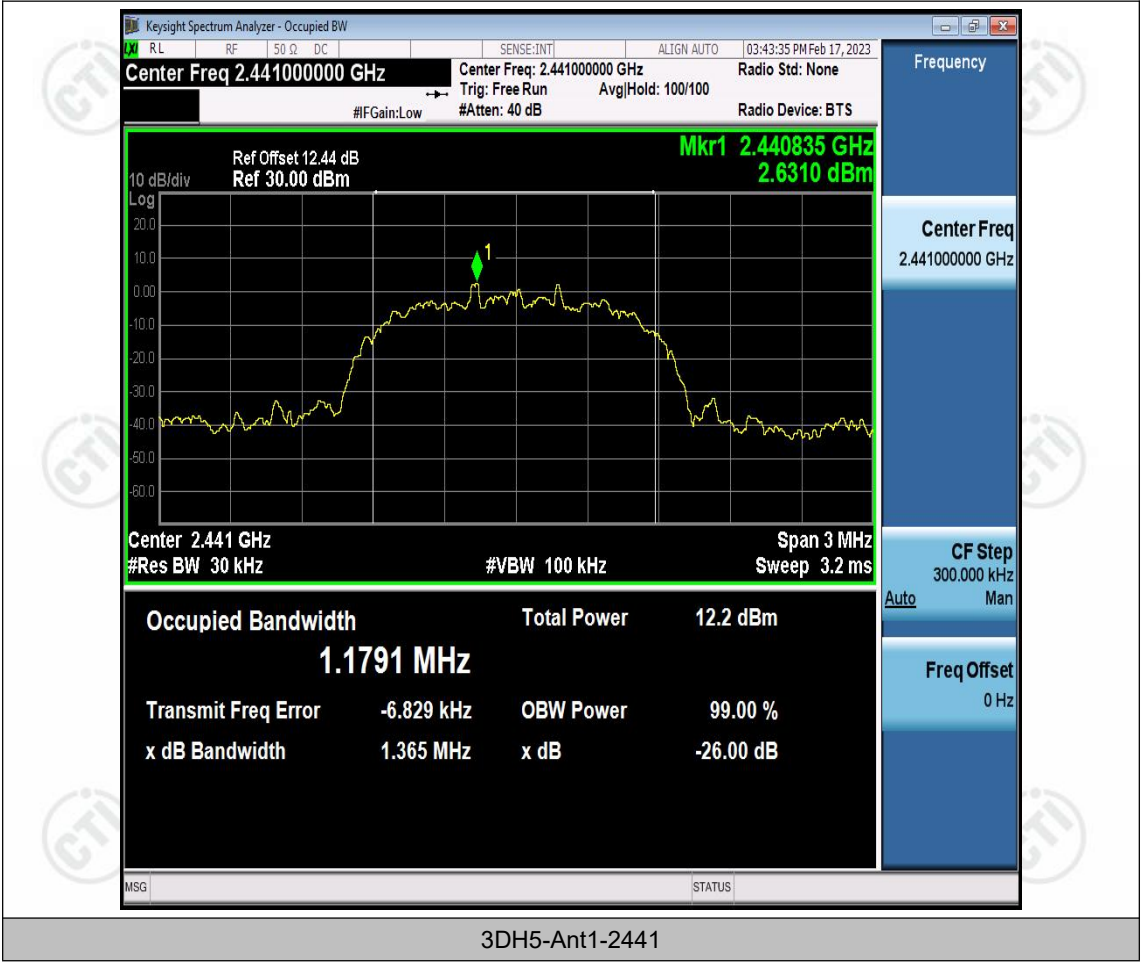












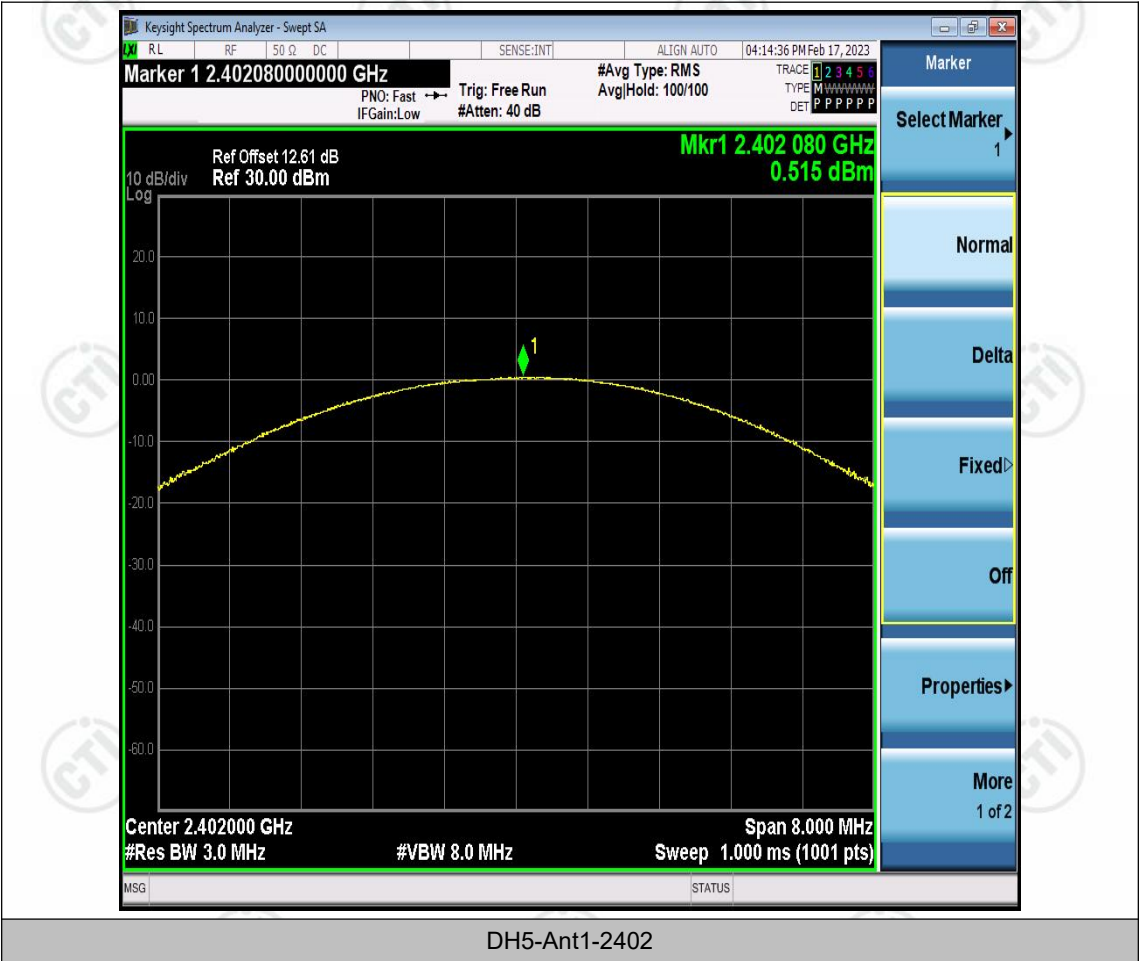


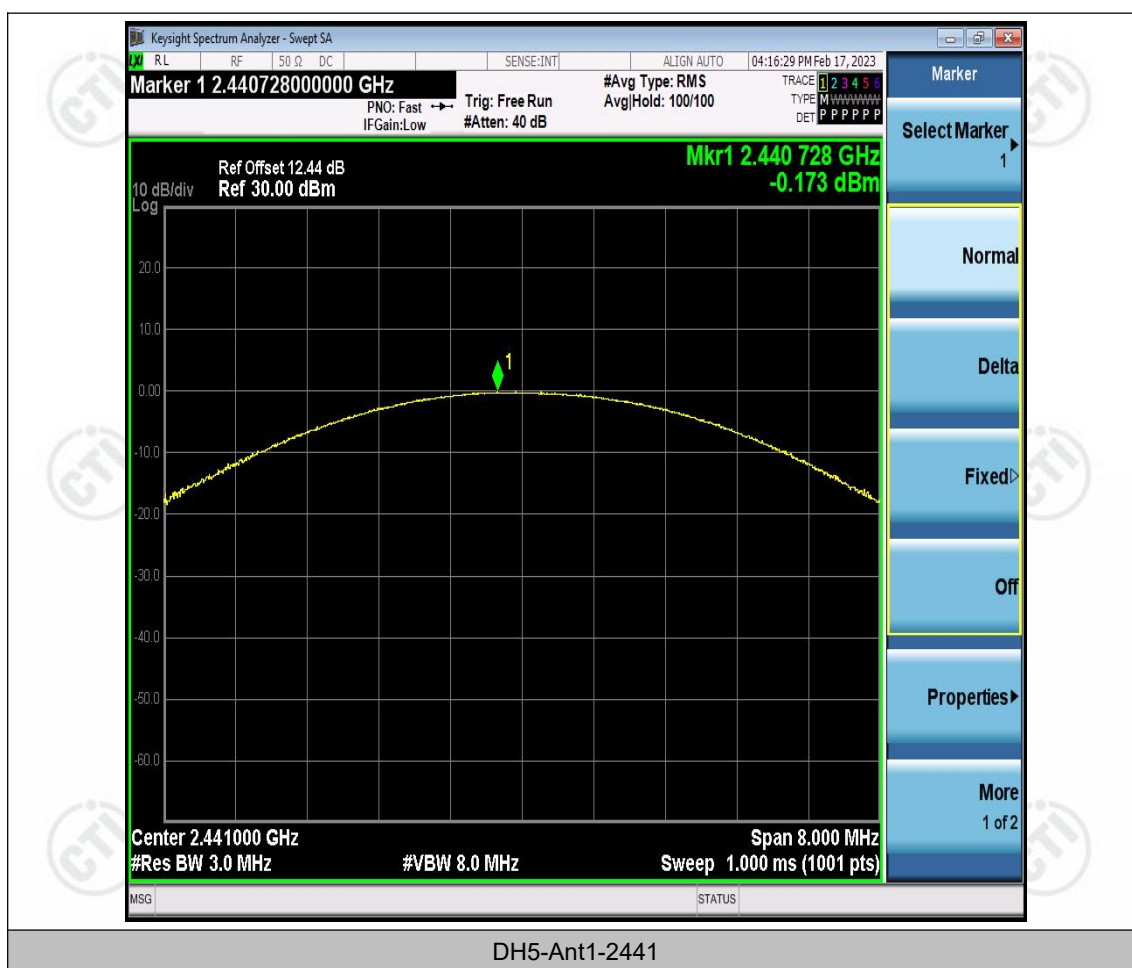
Appendix C: Maximum conducted output power

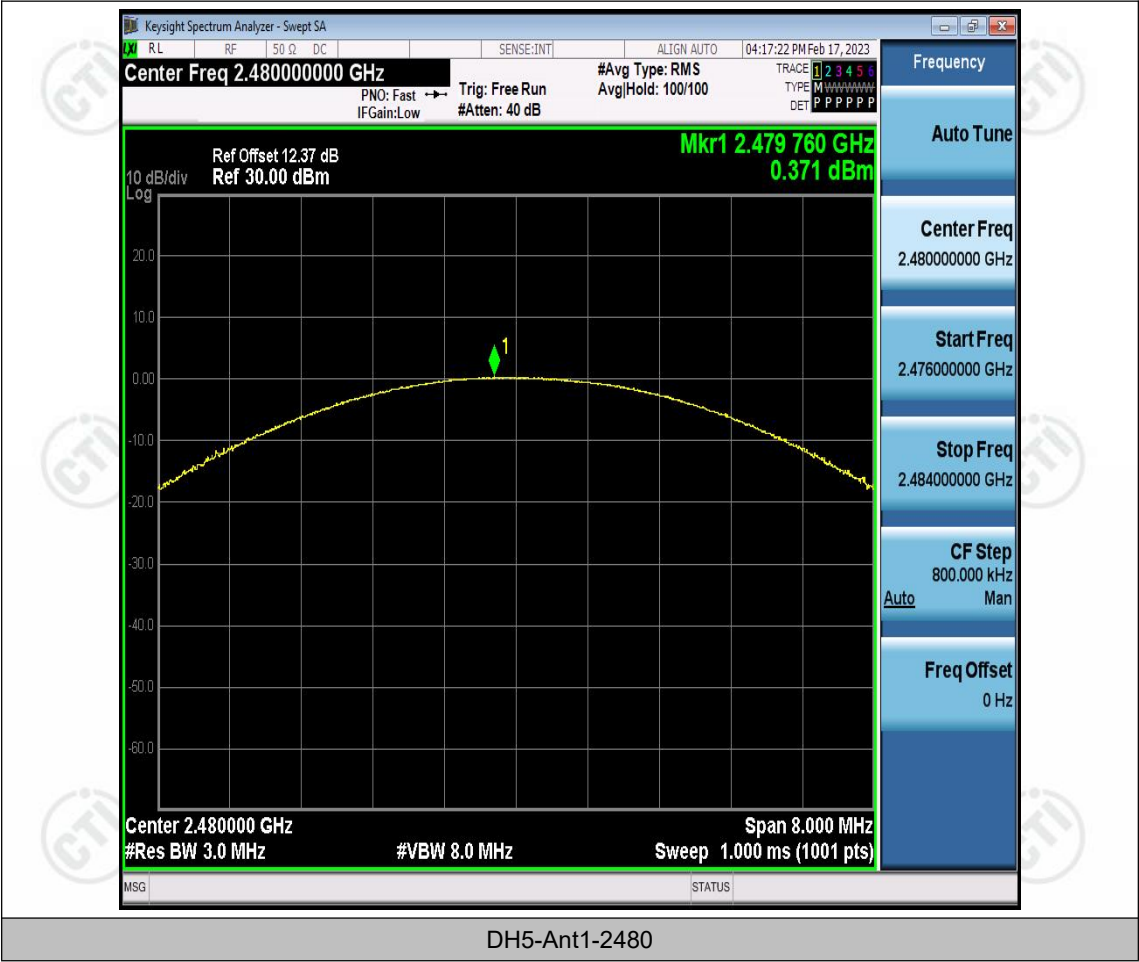
Test Result

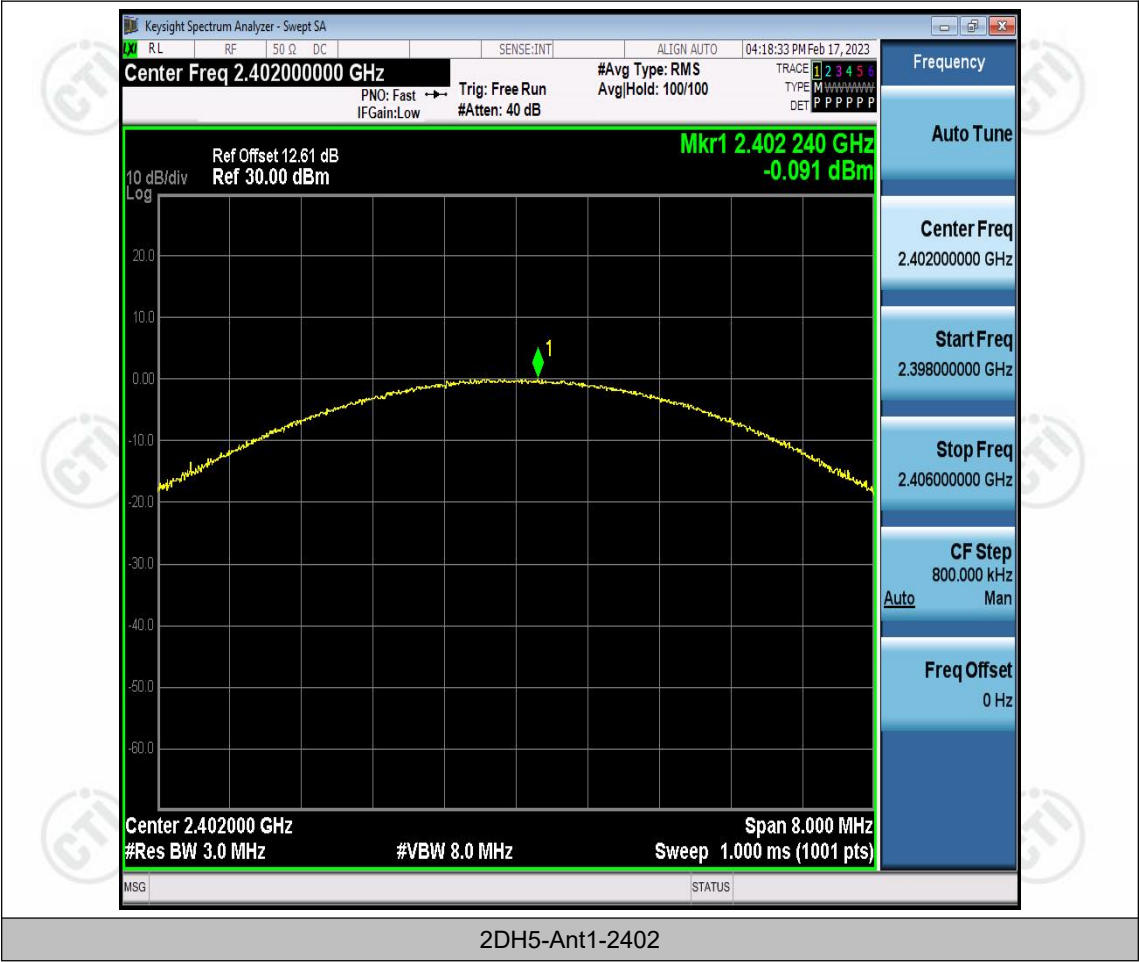
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.52	≤20.97	PASS
DH5	Ant1	2441	-0.17	≤20.97	PASS
DH5	Ant1	2480	0.37	≤20.97	PASS
2DH5	Ant1	2402	-0.09	≤20.97	PASS
2DH5	Ant1	2441	-0.81	≤20.97	PASS
2DH5	Ant1	2480	-0.46	≤20.97	PASS
3DH5	Ant1	2402	0.65	≤20.97	PASS
3DH5	Ant1	2441	-0.16	≤20.97	PASS
3DH5	Ant1	2480	0.27	≤20.97	PASS

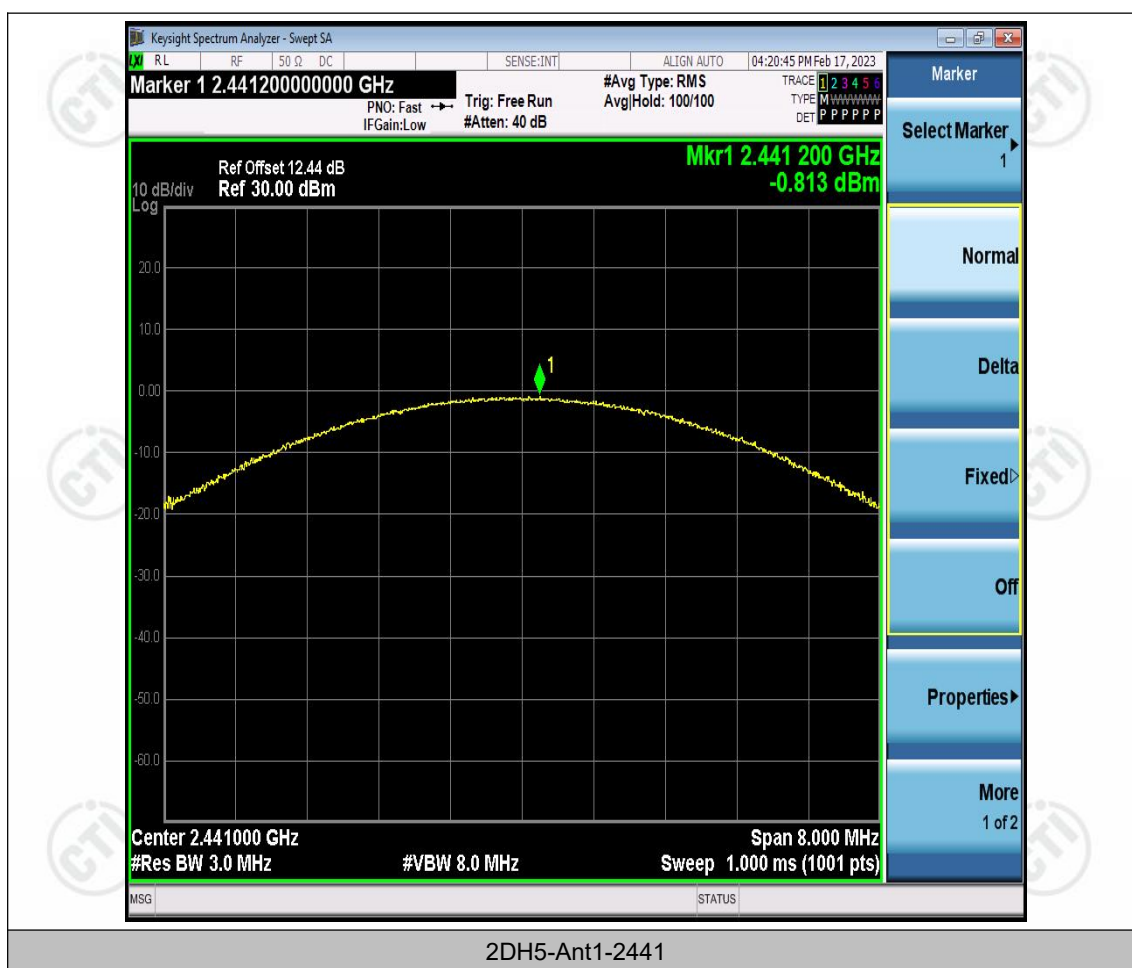
Test Graphs

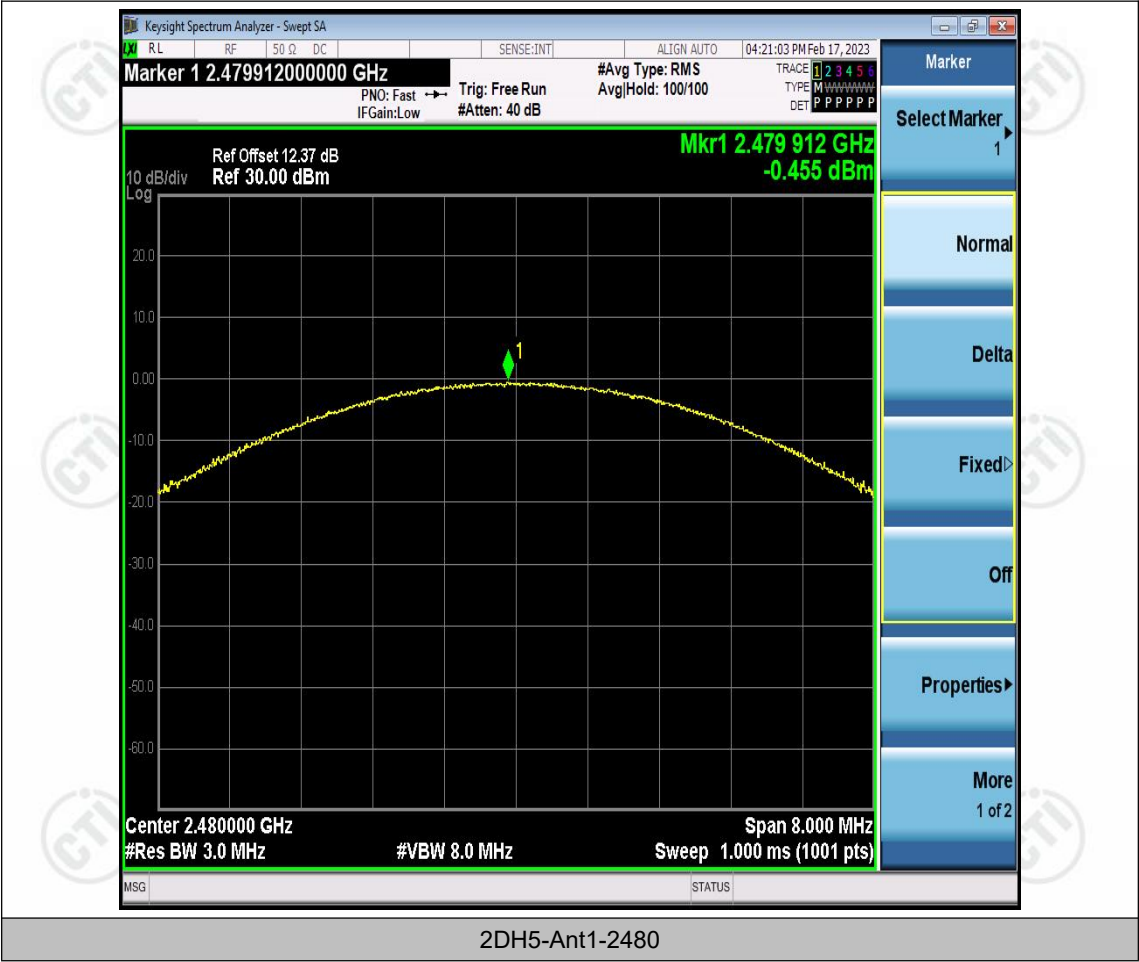


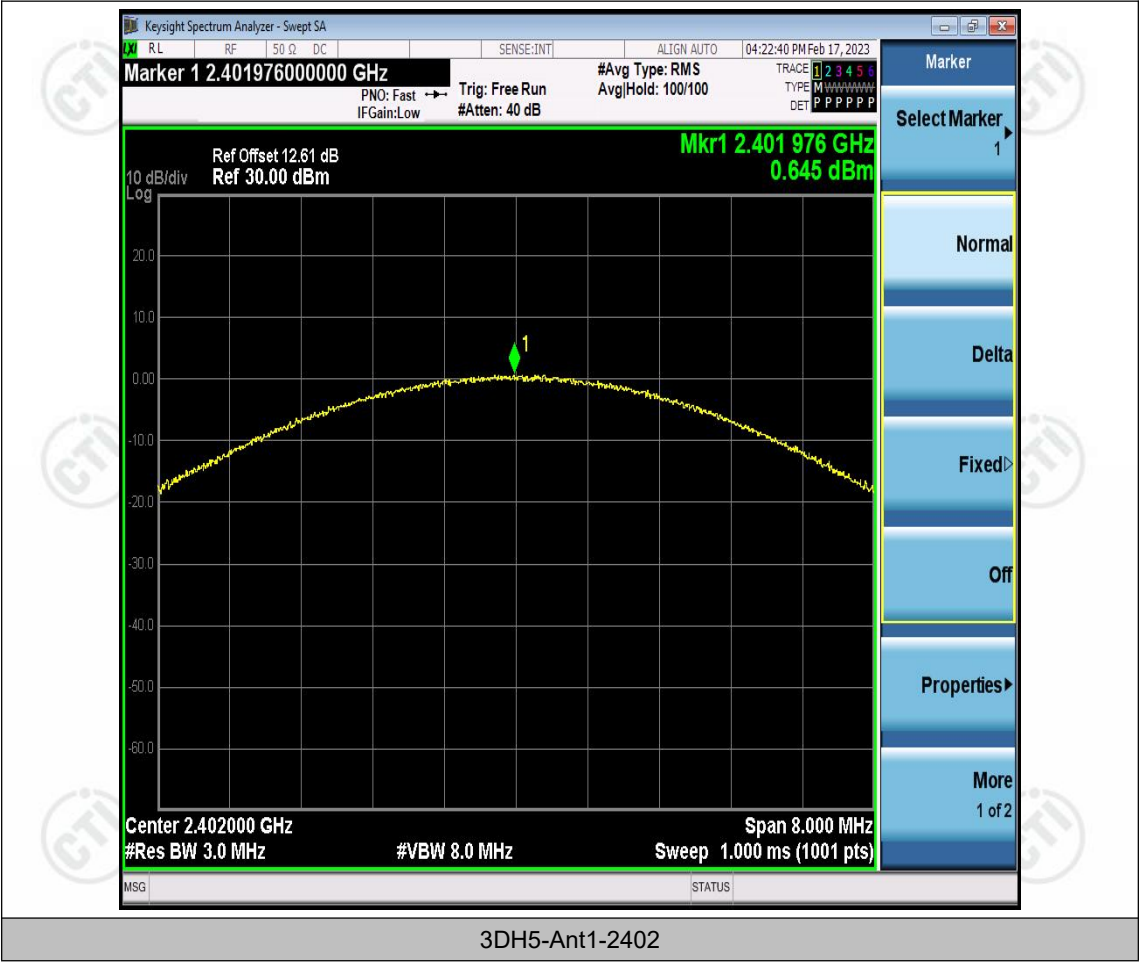


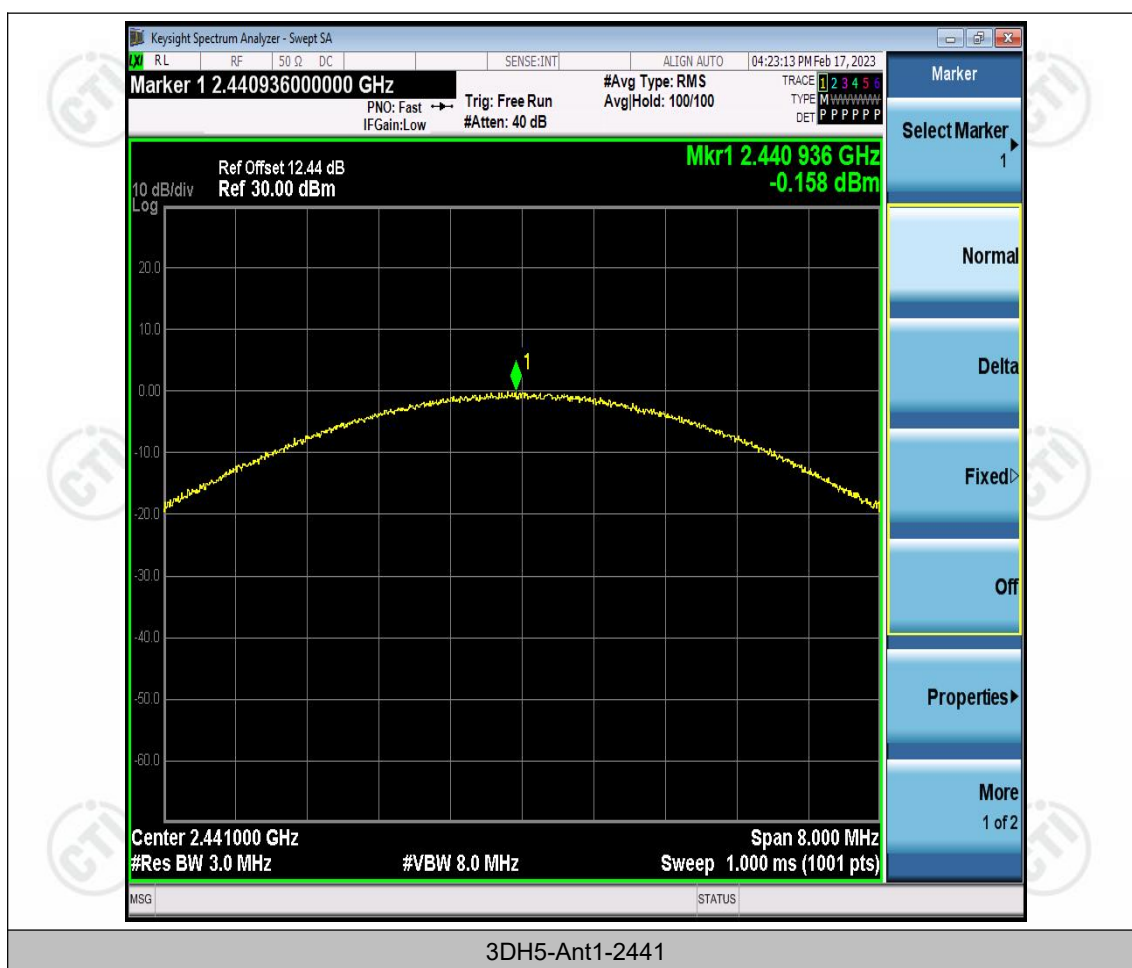


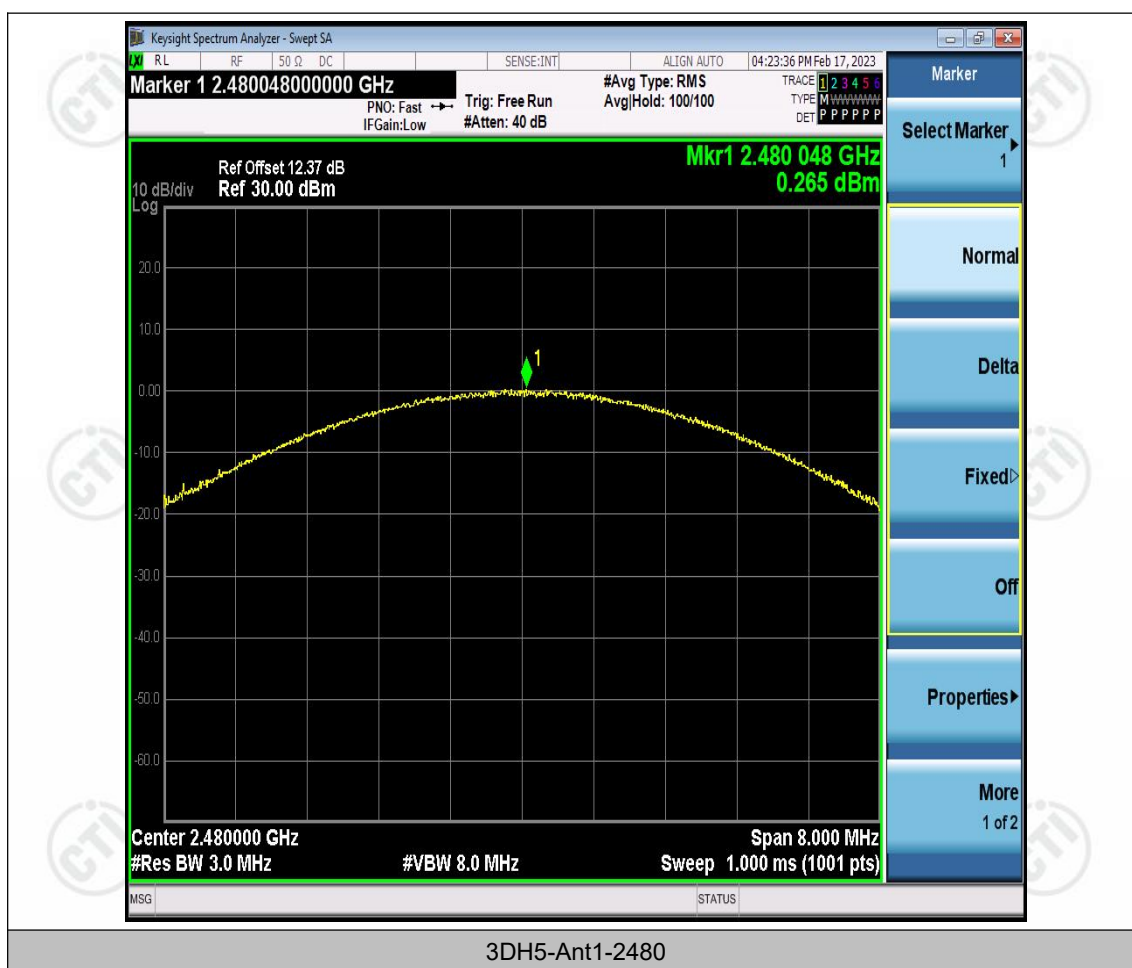










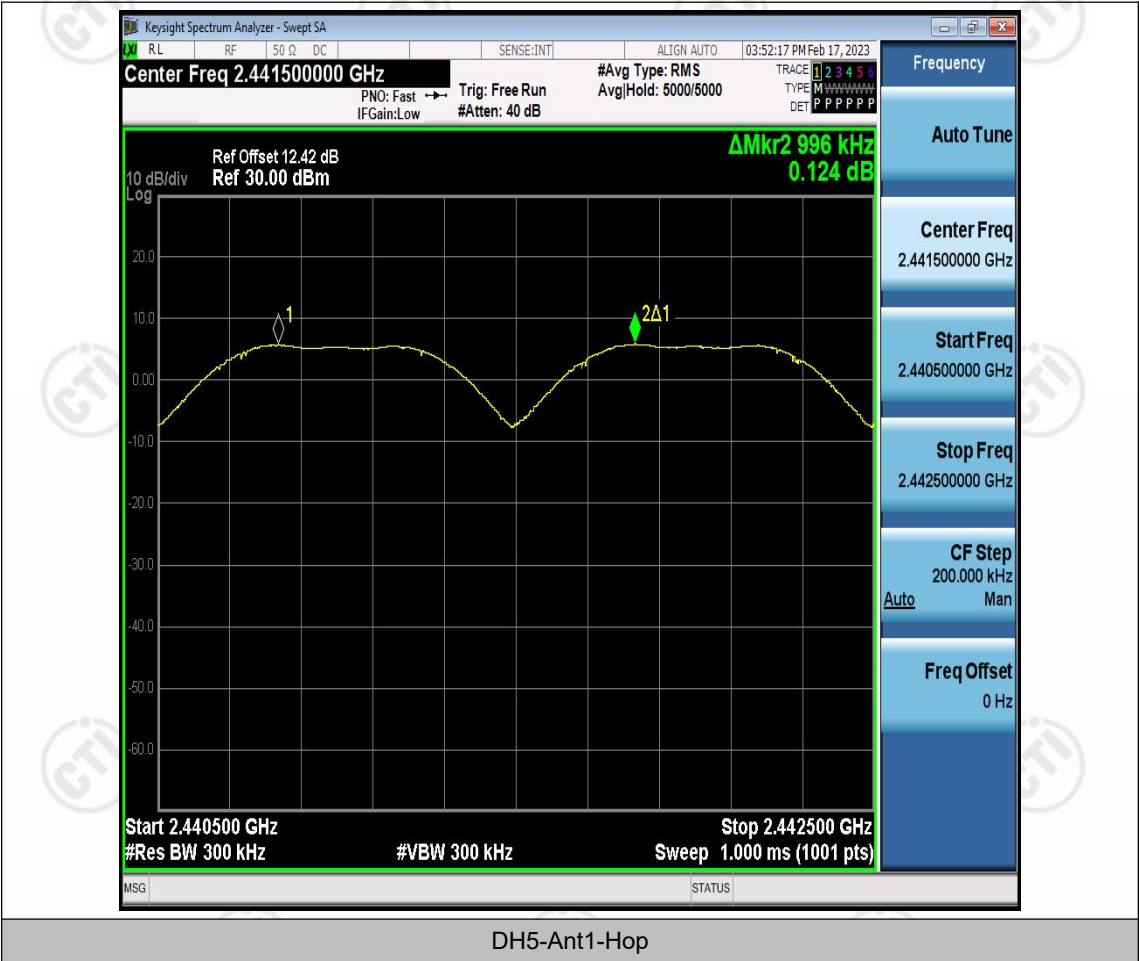


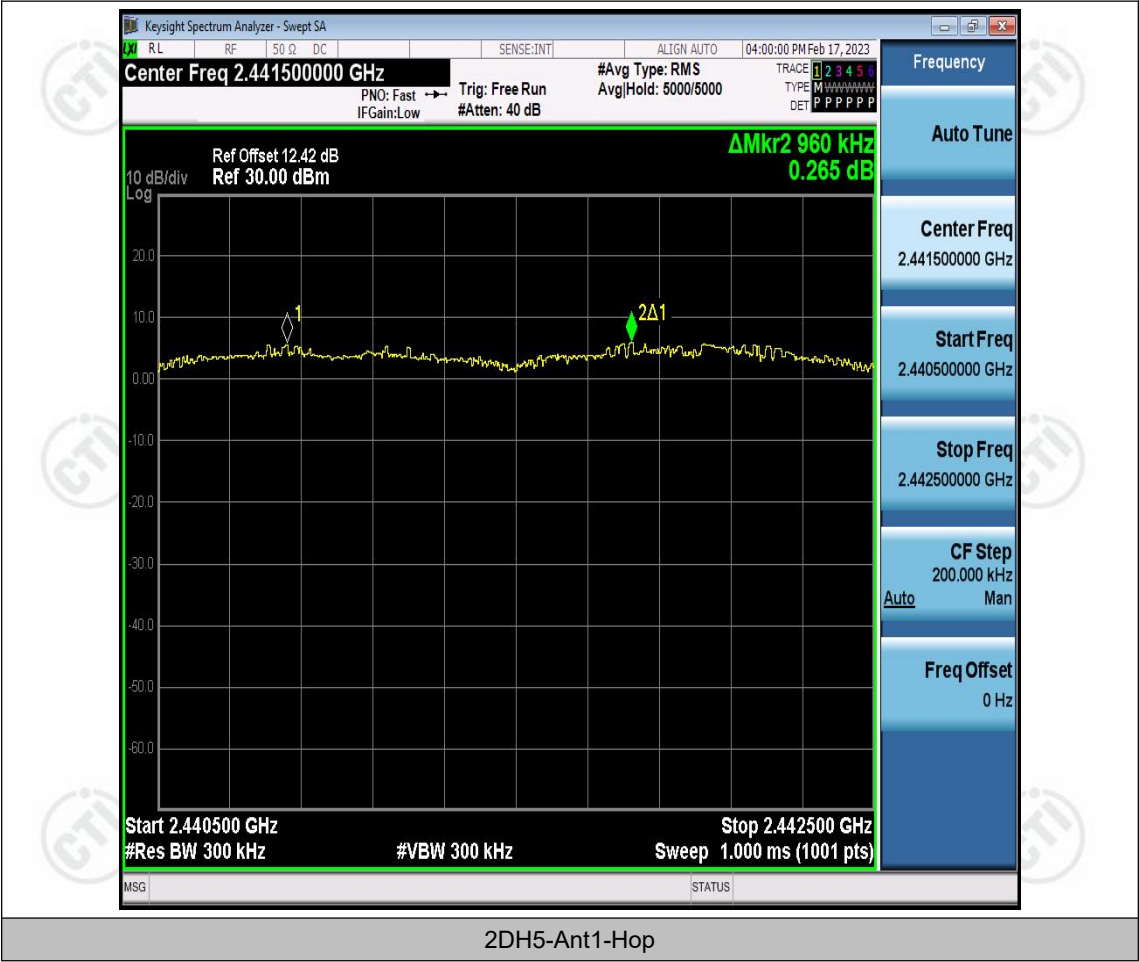
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.969	PASS
2DH5	Ant1	Hop	0.96	≥0.856	PASS
3DH5	Ant1	Hop	1.038	≥0.858	PASS

Test Graphs





2DH5-Ant1-Hop



Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.910	106.67	0.31	≤0.4	PASS
DH1	Ant1	Hop	0.405	320	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.662	160	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.920	106.67	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.421	320	0.135	≤0.4	PASS
2DH3	Ant1	Hop	1.673	160	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.922	106.67	0.312	≤0.4	PASS
3DH1	Ant1	Hop	0.421	320	0.135	≤0.4	PASS
3DH3	Ant1	Hop	1.671	160	0.267	≤0.4	PASS

Test Graphs

