

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 Peak..... 15

 Test Graphs..... 16

Appendix D: Carrier frequency separation..... 21

 Test Result..... 21

 Test Graphs..... 22

Appendix E: Time of occupancy..... 27

 Test Result..... 27

 Test Graphs..... 28

Appendix F: Number of hopping channels..... 37

 Test Result..... 37

 Test Graphs..... 38

Appendix G: Band edge measurements..... 40

 Test Result..... 40

 Test Graphs..... 41

Appendix H: Conducted Spurious Emission..... 47

 Test Result..... 47

 Test Graphs..... 48

Appendix I: Duty Cycle..... 62

 Test Result..... 62

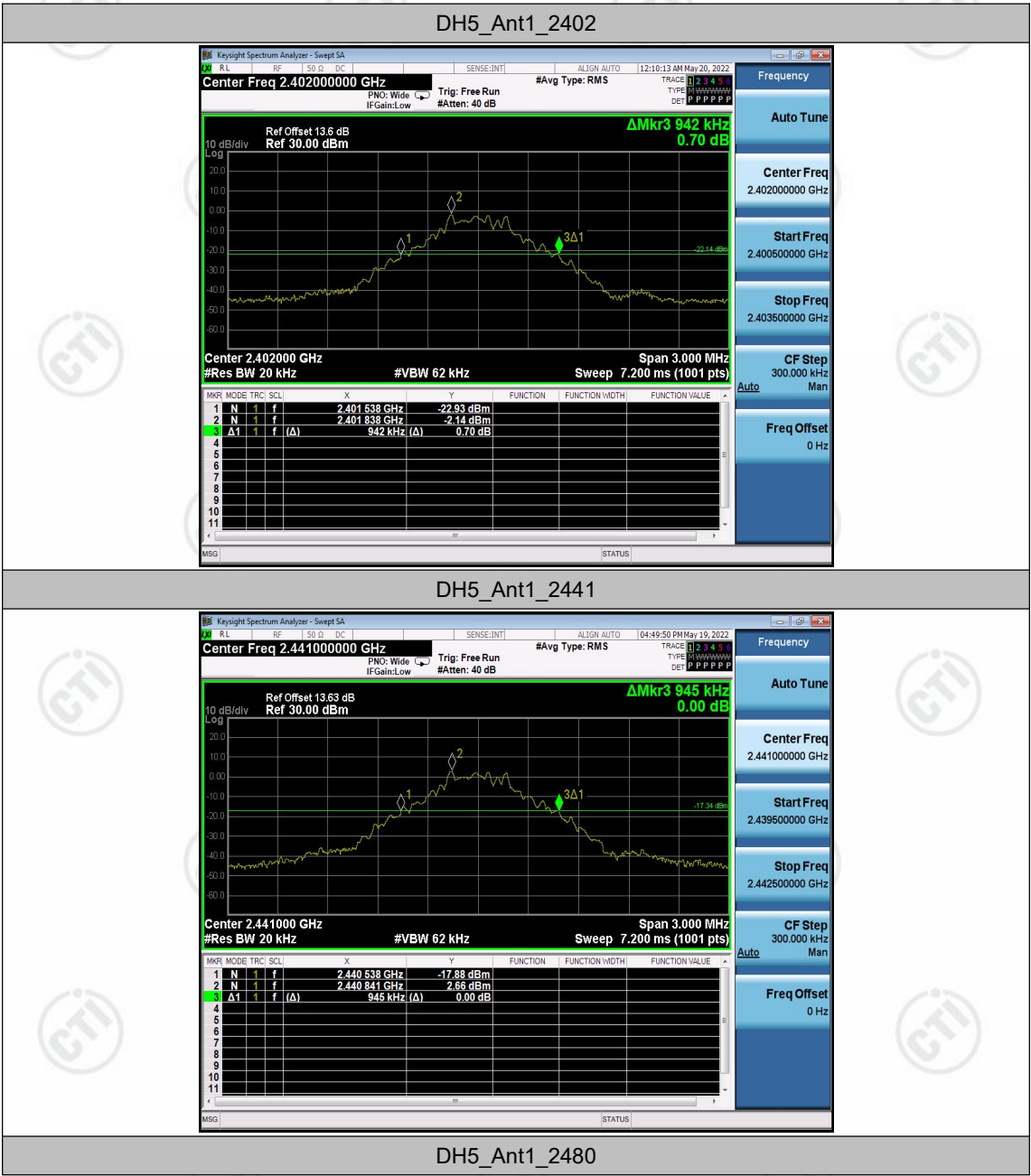
 Test Graphs..... 63

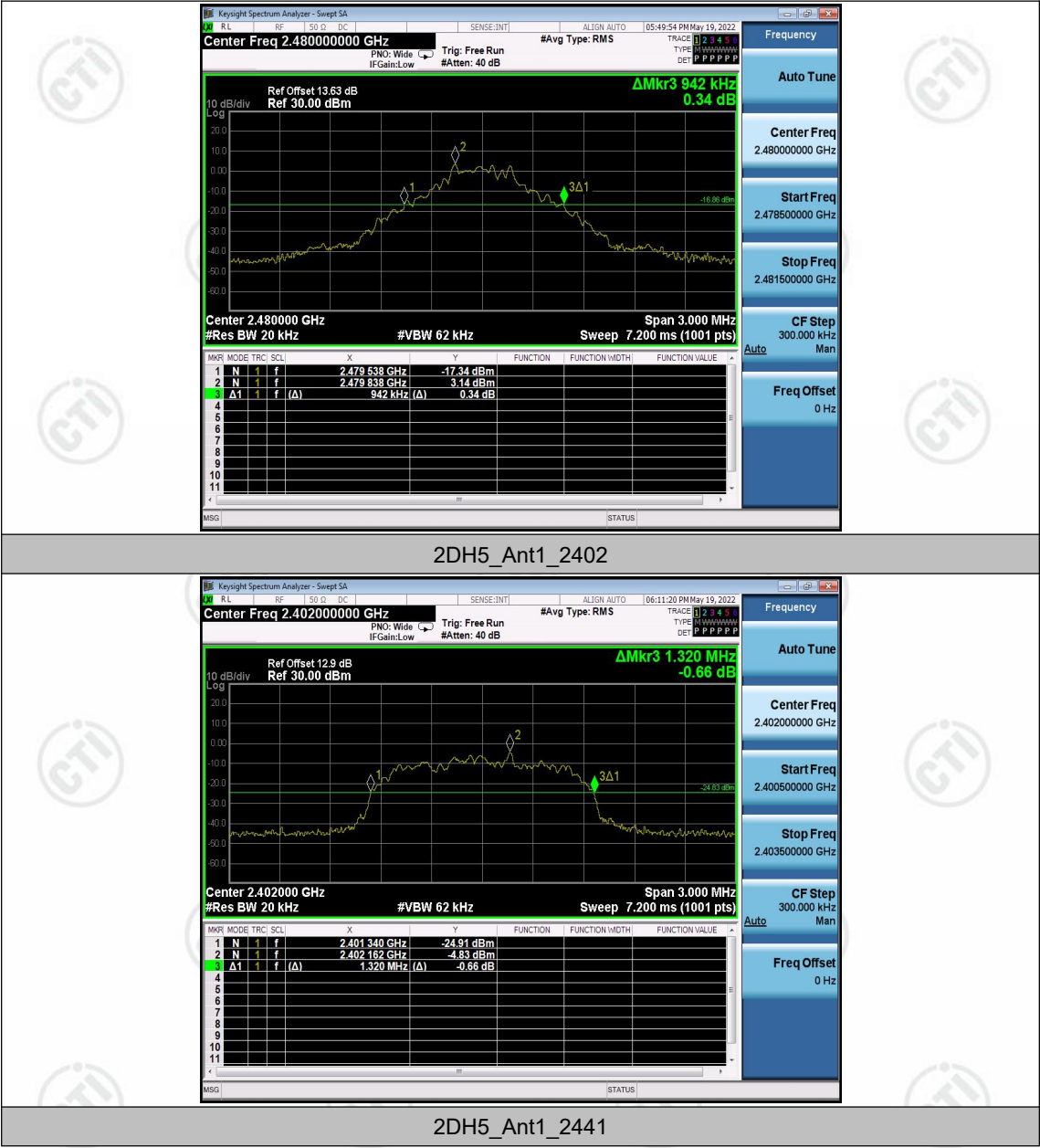
Appendix A: 20dB Emission Bandwidth

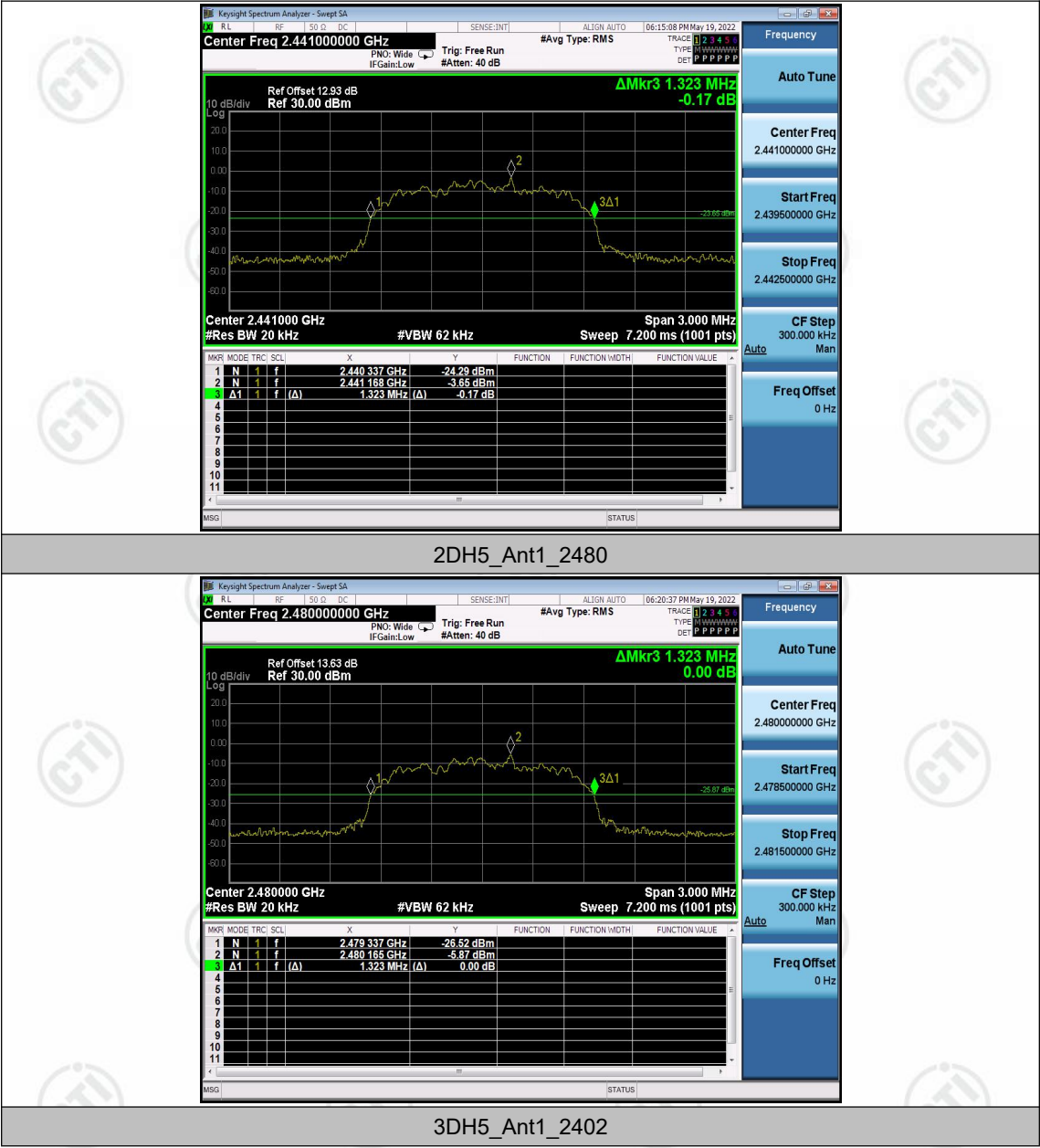
Test Result

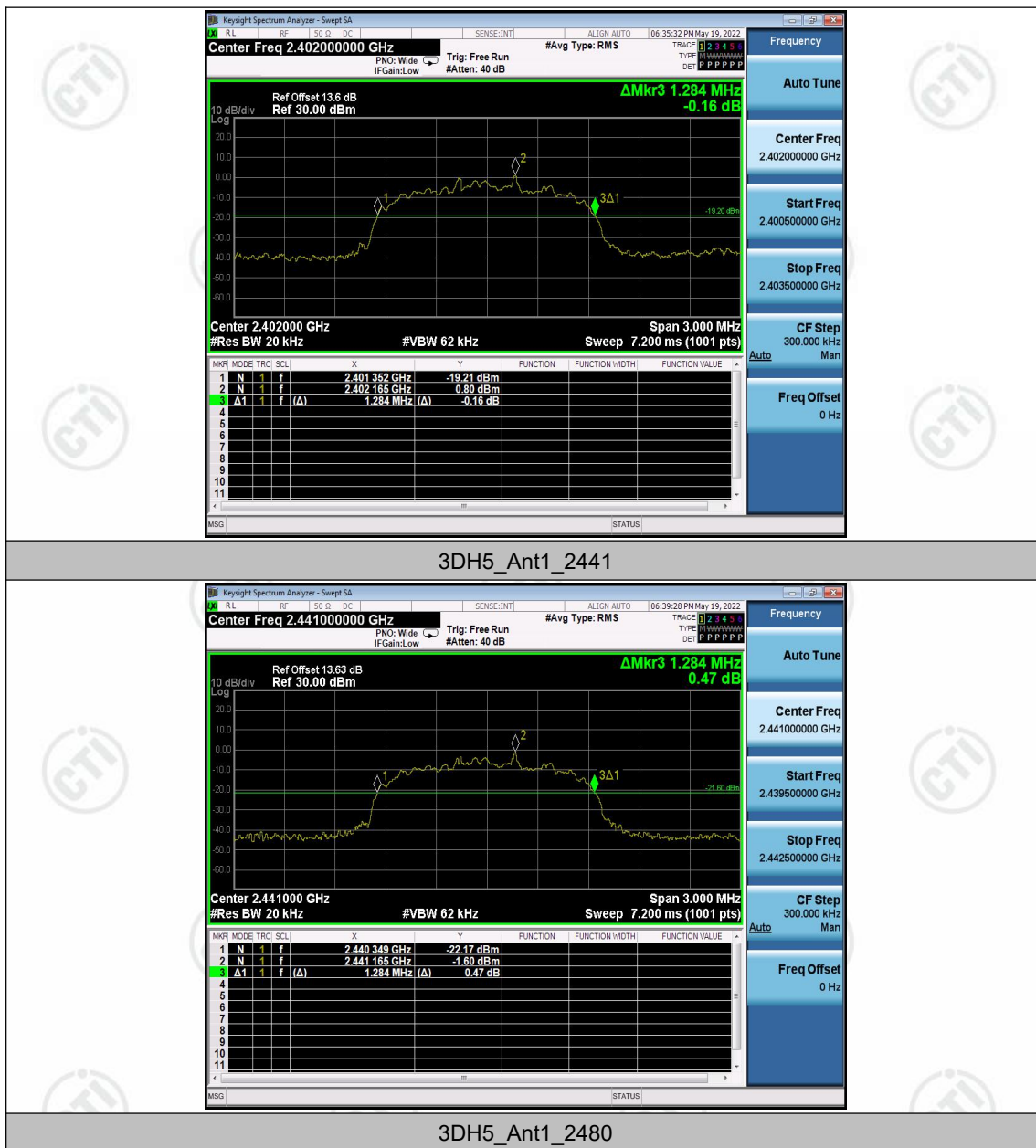
Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.538	2402.480	---	---
		2441	0.945	2440.538	2441.483	---	---
		2480	0.942	2479.538	2480.480	---	---
2DH5	Ant1	2402	1.320	2401.340	2402.660	---	---
		2441	1.323	2440.337	2441.660	---	---
		2480	1.323	2479.337	2480.660	---	---
3DH5	Ant1	2402	1.284	2401.352	2402.636	---	---
		2441	1.284	2440.349	2441.633	---	---
		2480	1.290	2479.349	2480.639	---	---

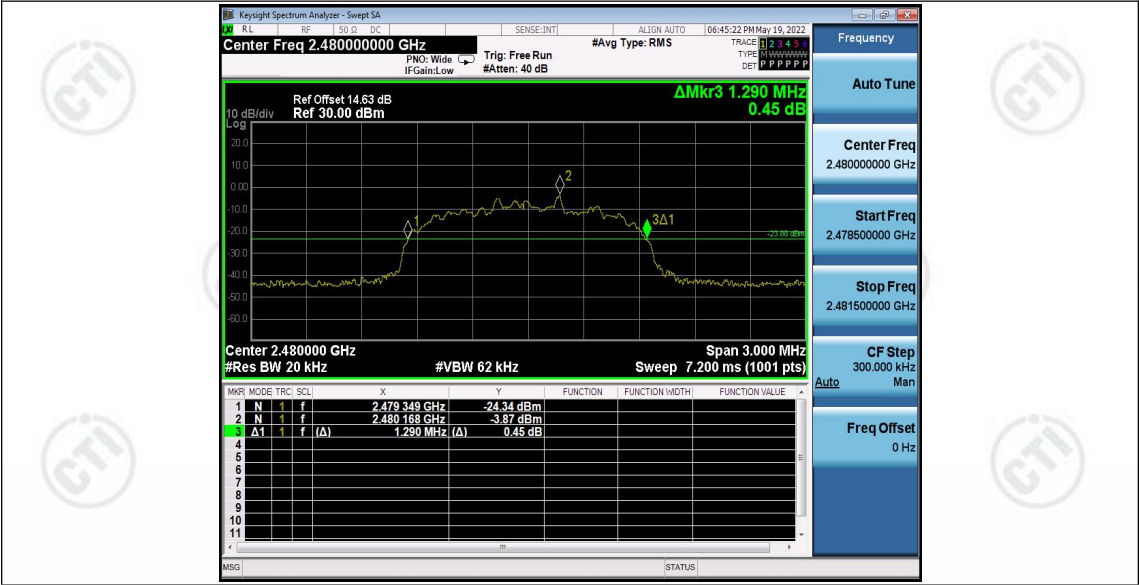
Test Graphs









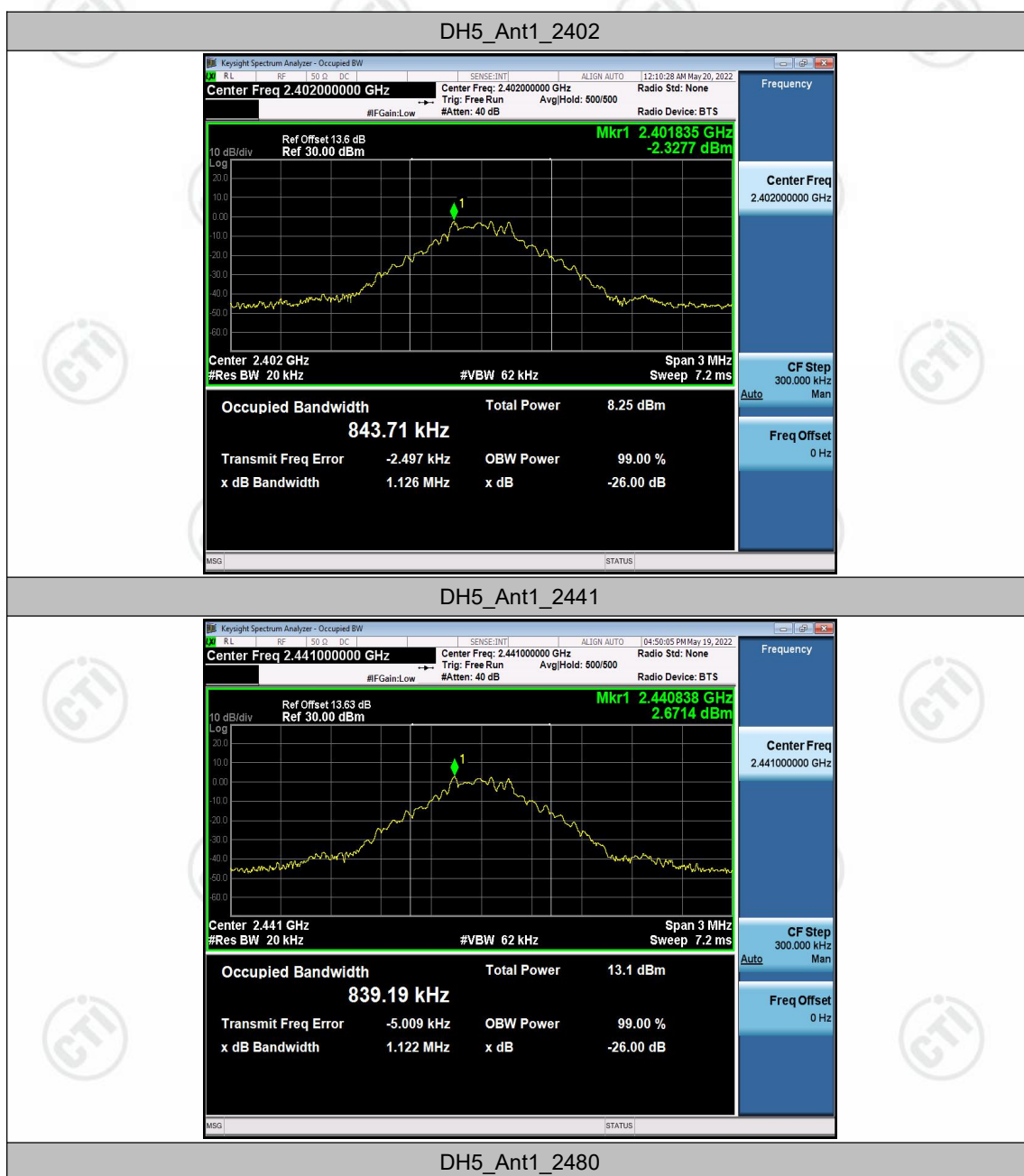


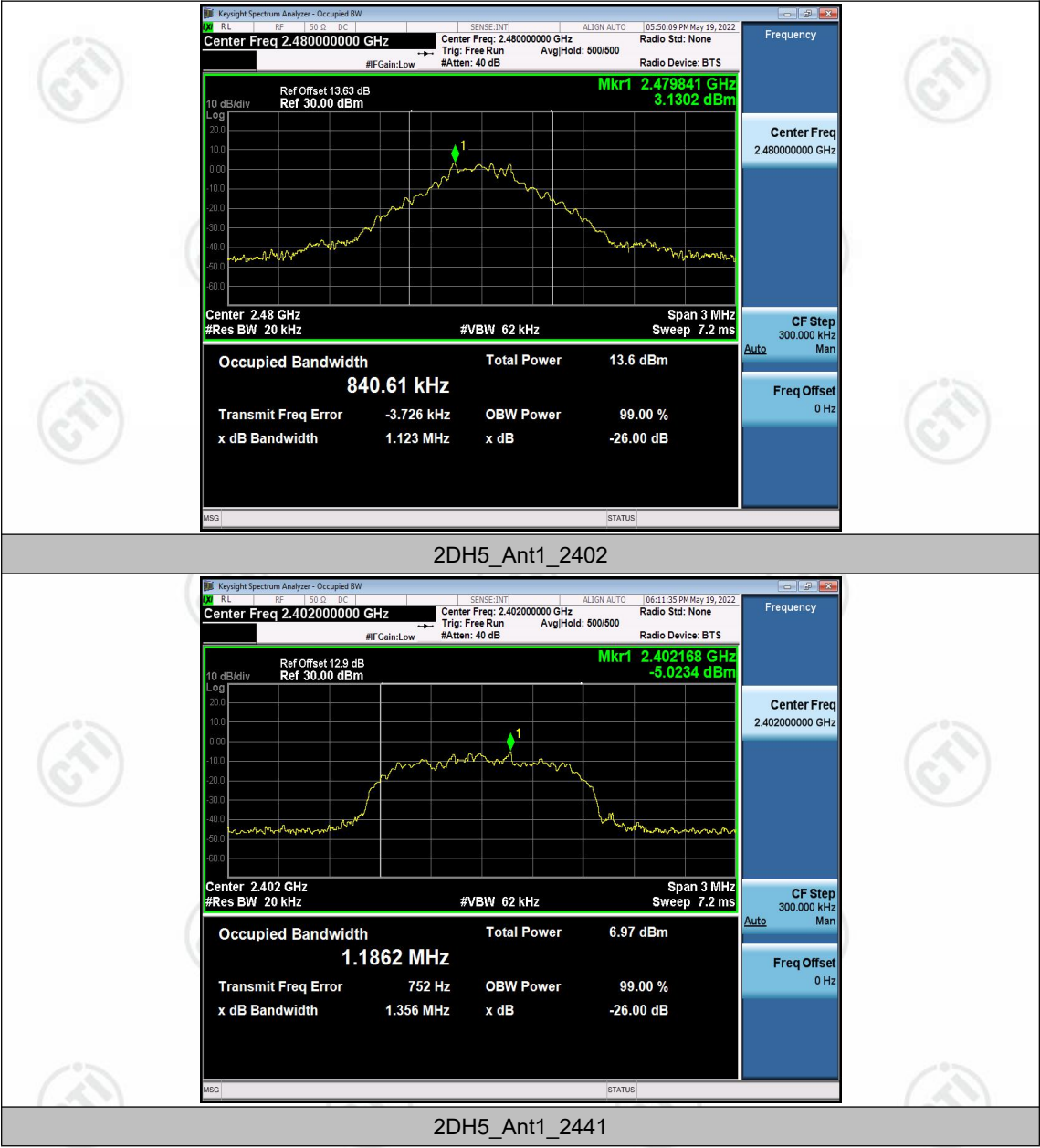
Appendix B: Occupied Channel Bandwidth

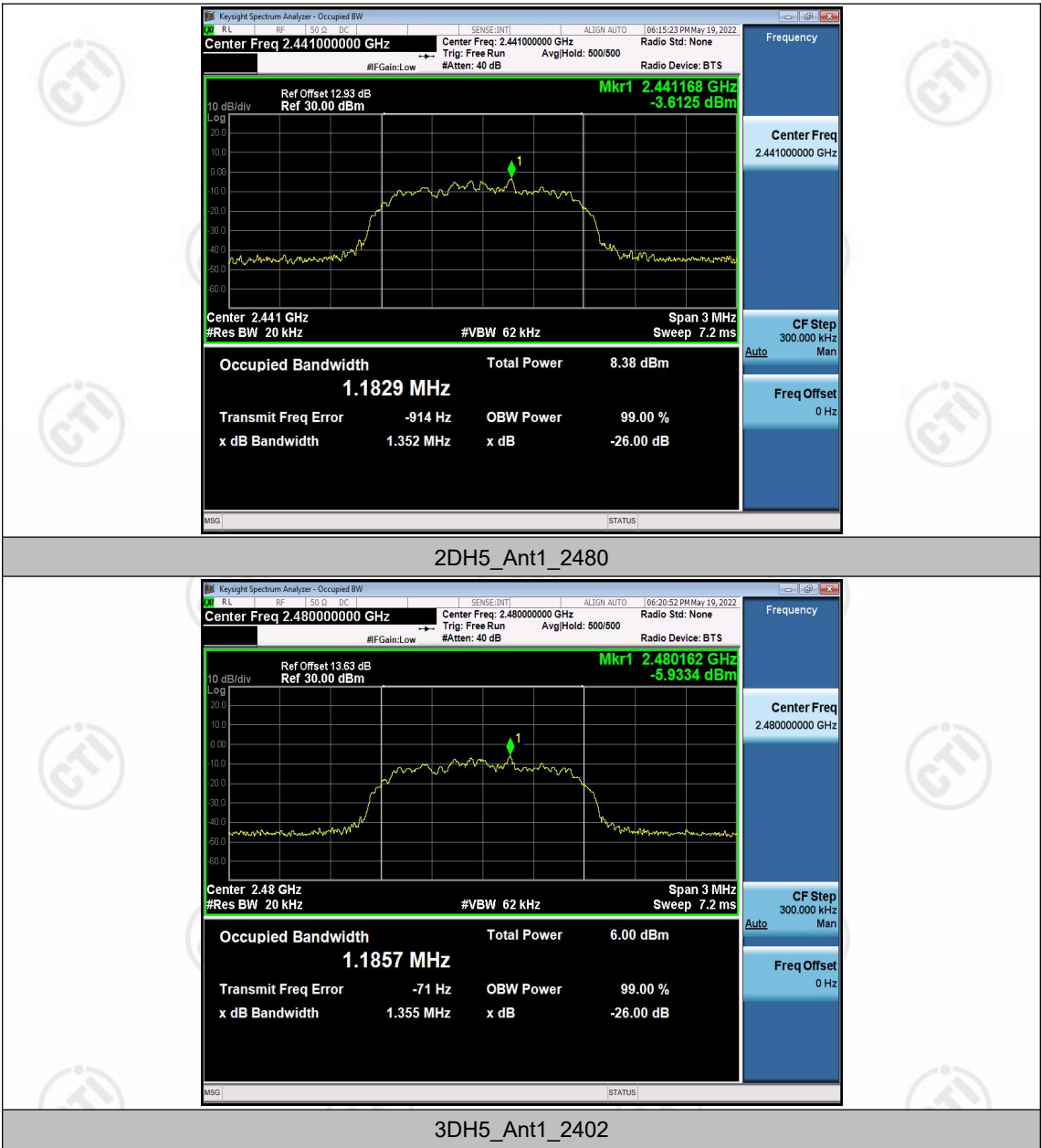
Test Result

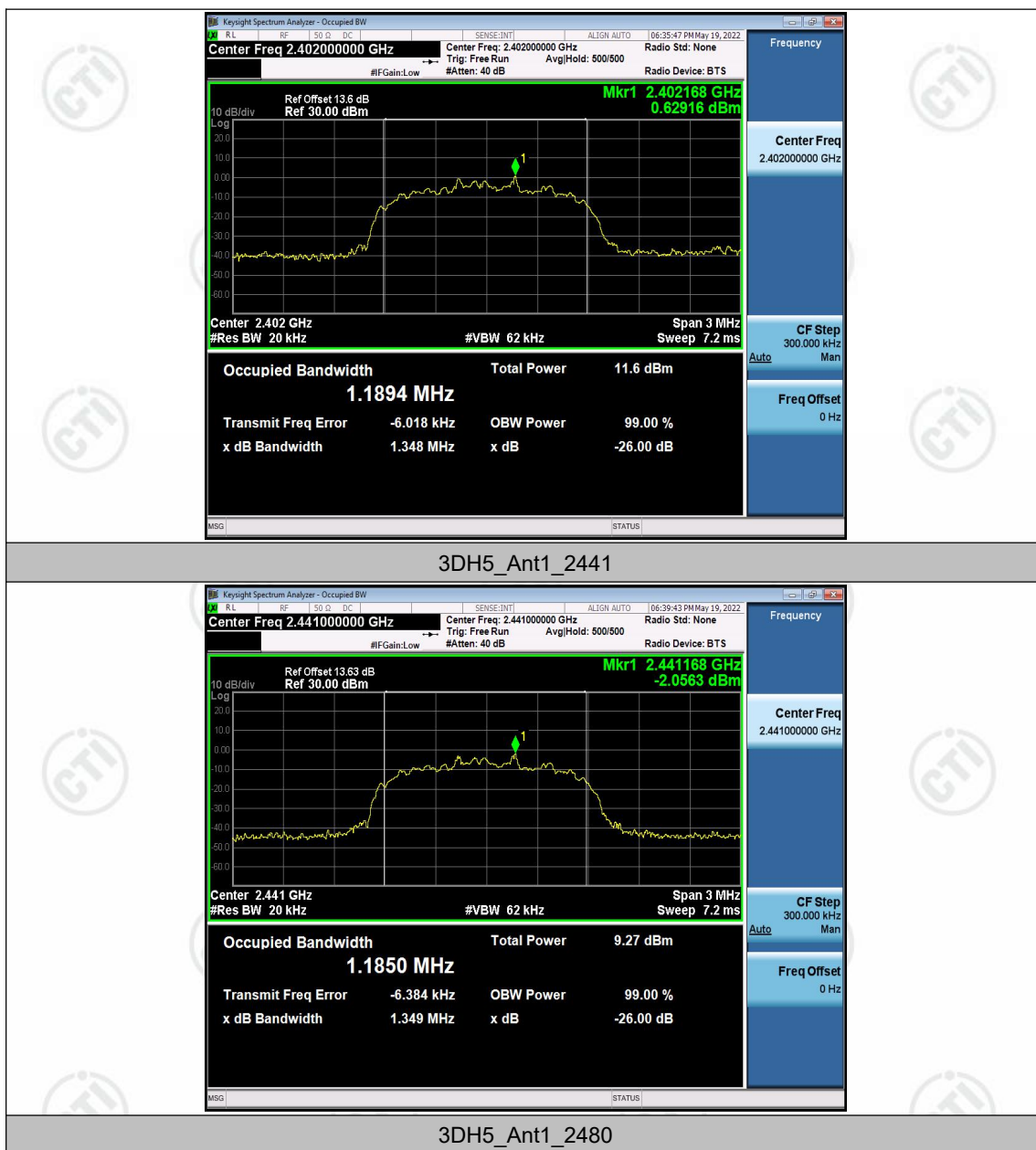
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84371	2401.576	2402.419	---	---
		2441	0.83919	2440.575	2441.415	---	---
		2480	0.84061	2479.576	2480.417	---	---
2DH5	Ant1	2402	1.1862	2401.408	2402.594	---	---
		2441	1.1829	2440.408	2441.591	---	---
		2480	1.1857	2479.407	2480.593	---	---
3DH5	Ant1	2402	1.1894	2401.399	2402.589	---	---
		2441	1.1850	2440.401	2441.586	---	---
		2480	1.1896	2479.399	2480.588	---	---

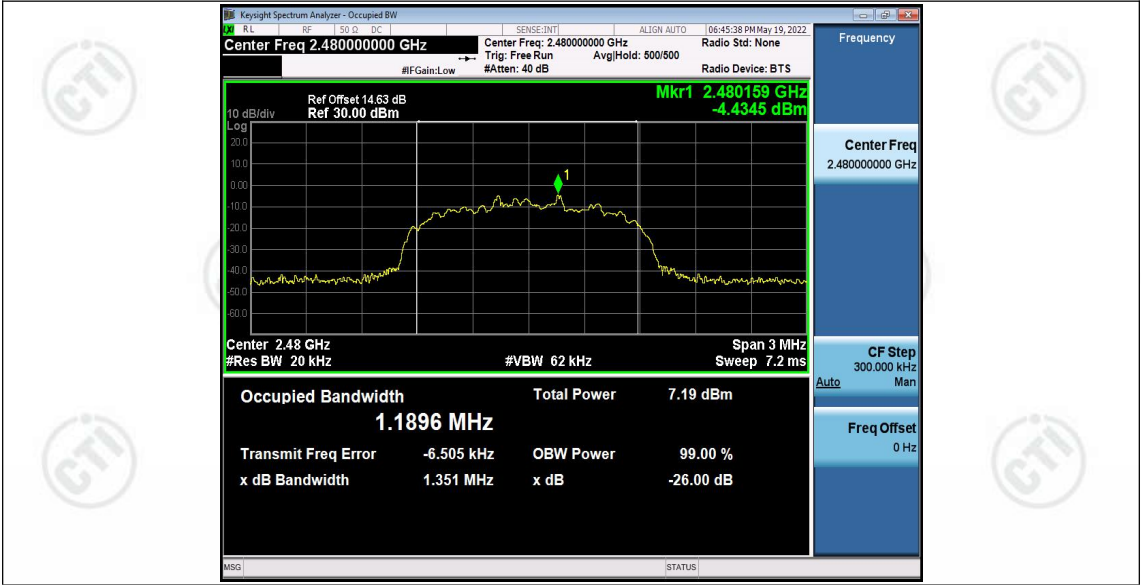
Test Graphs









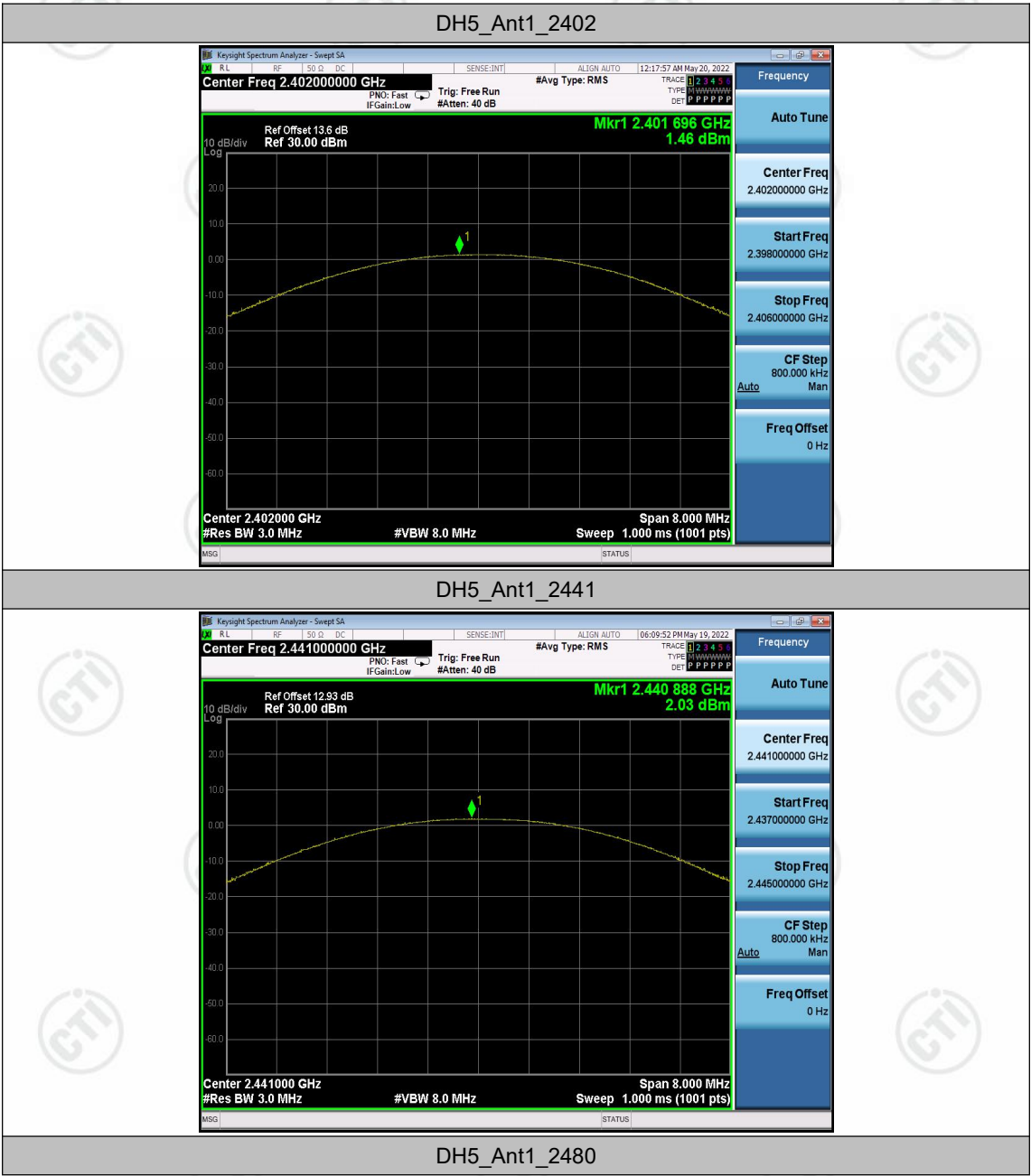


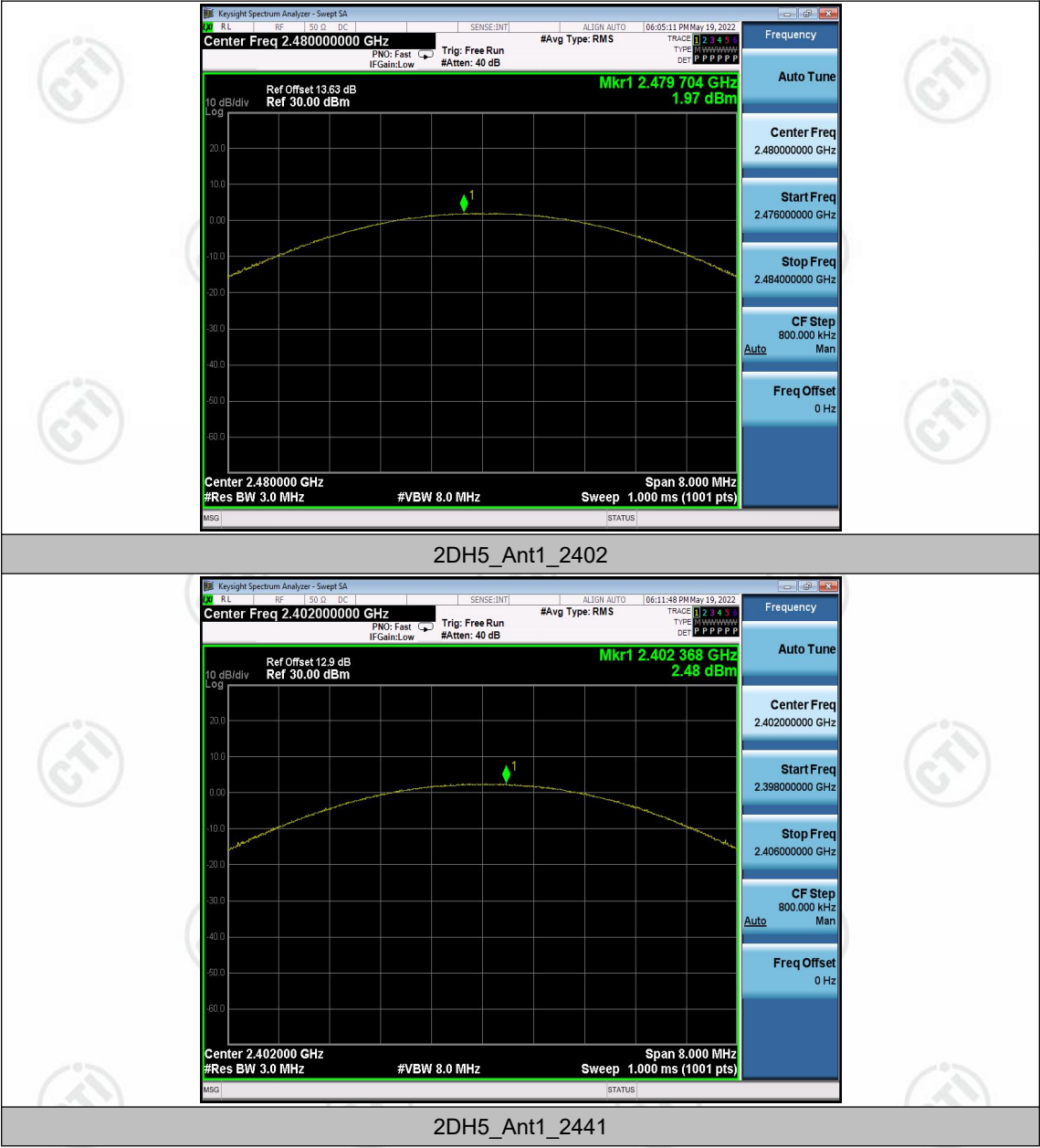
Appendix C: Maximum conducted output power

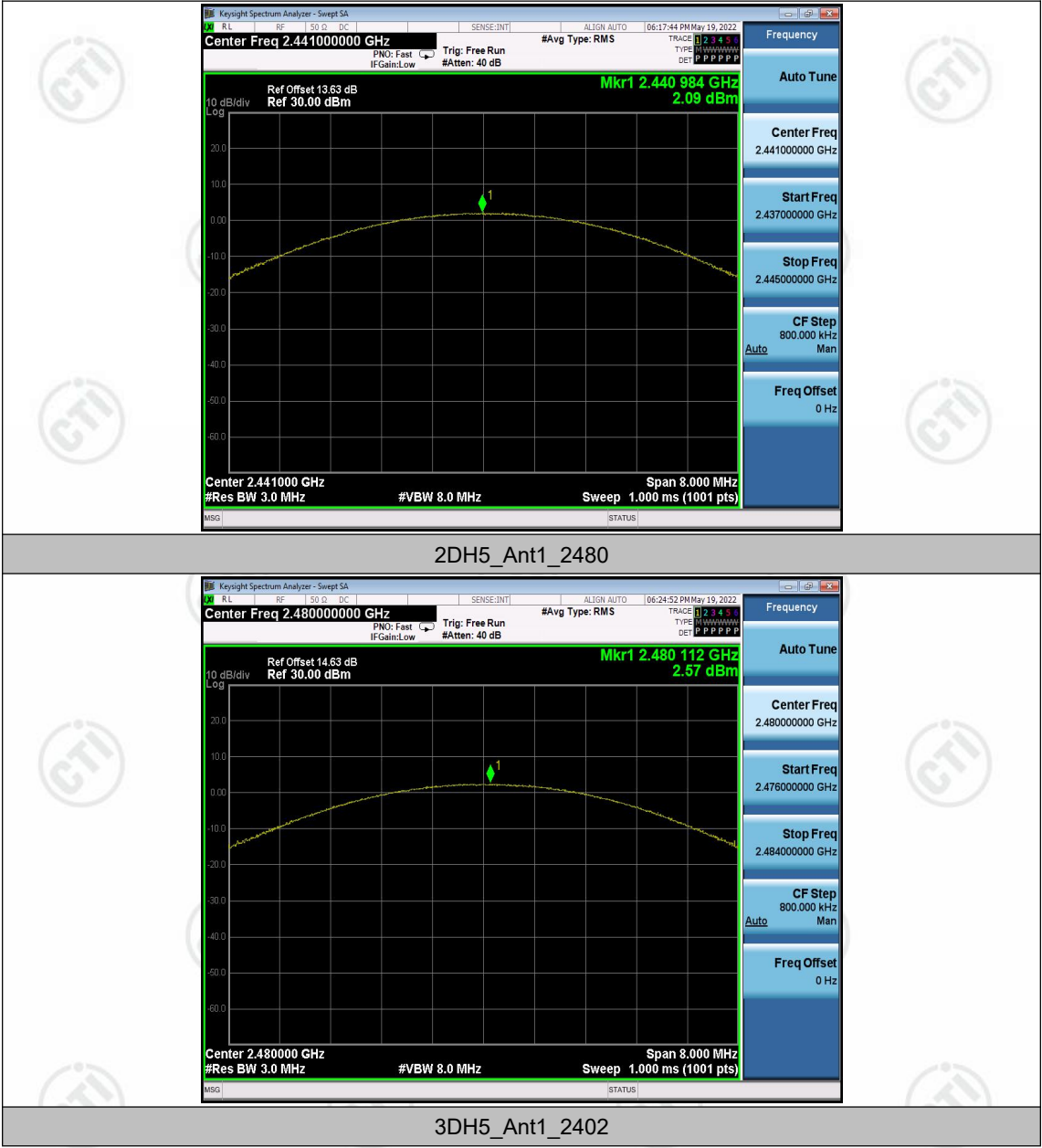
Test Result Peak

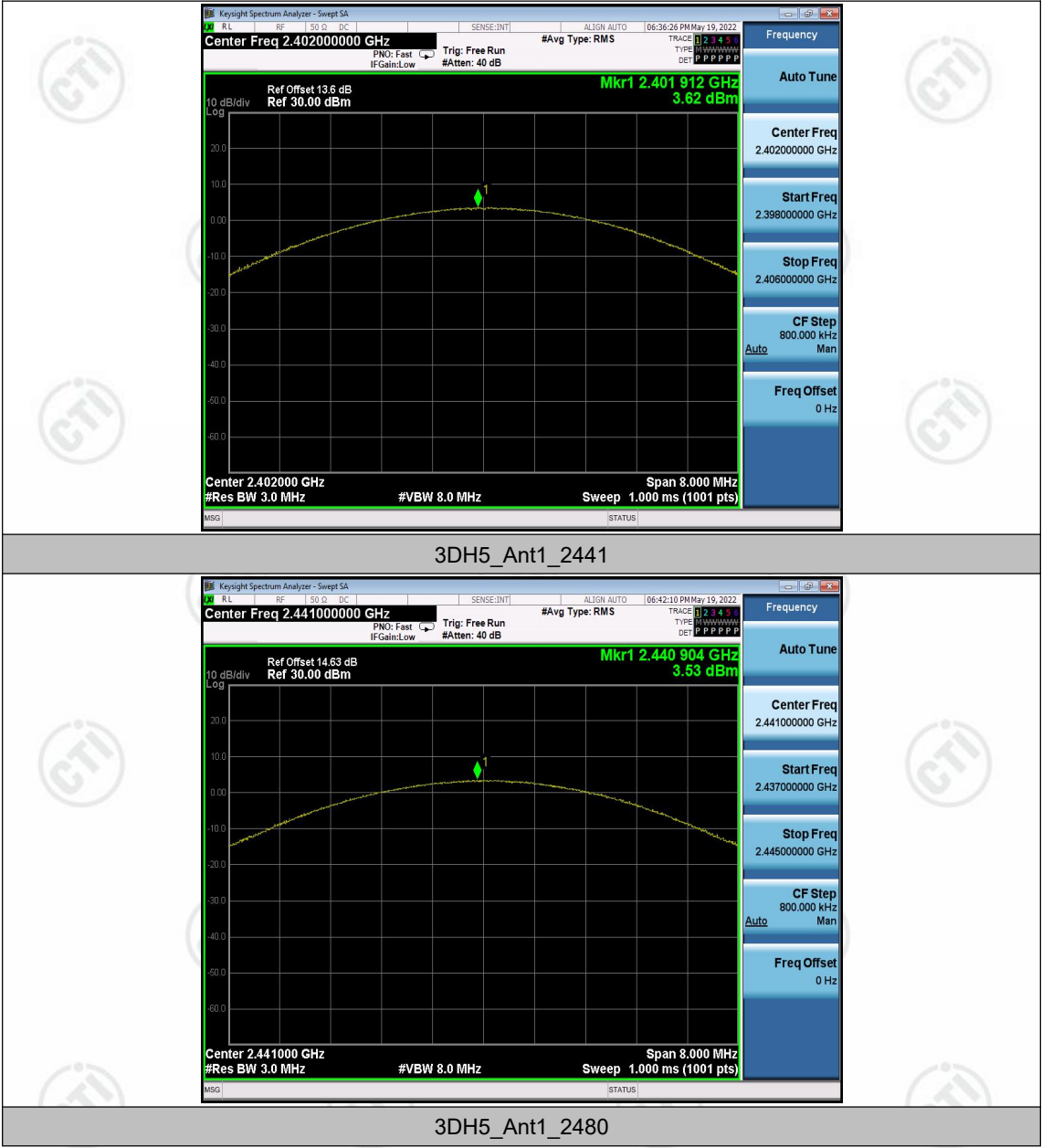
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.46	≤20.97	PASS
		2441	2.03	≤20.97	PASS
		2480	1.97	≤20.97	PASS
2DH5	Ant1	2402	2.48	≤20.97	PASS
		2441	2.09	≤20.97	PASS
		2480	2.57	≤20.97	PASS
3DH5	Ant1	2402	3.62	≤20.97	PASS
		2441	3.53	≤20.97	PASS
		2480	2.92	≤20.97	PASS

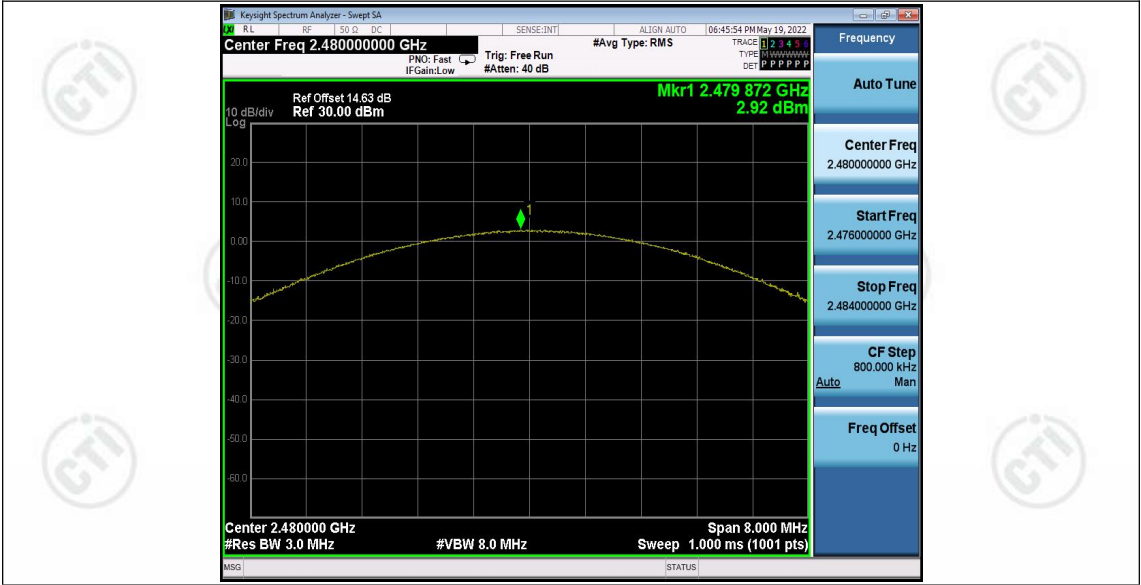
Test Graphs











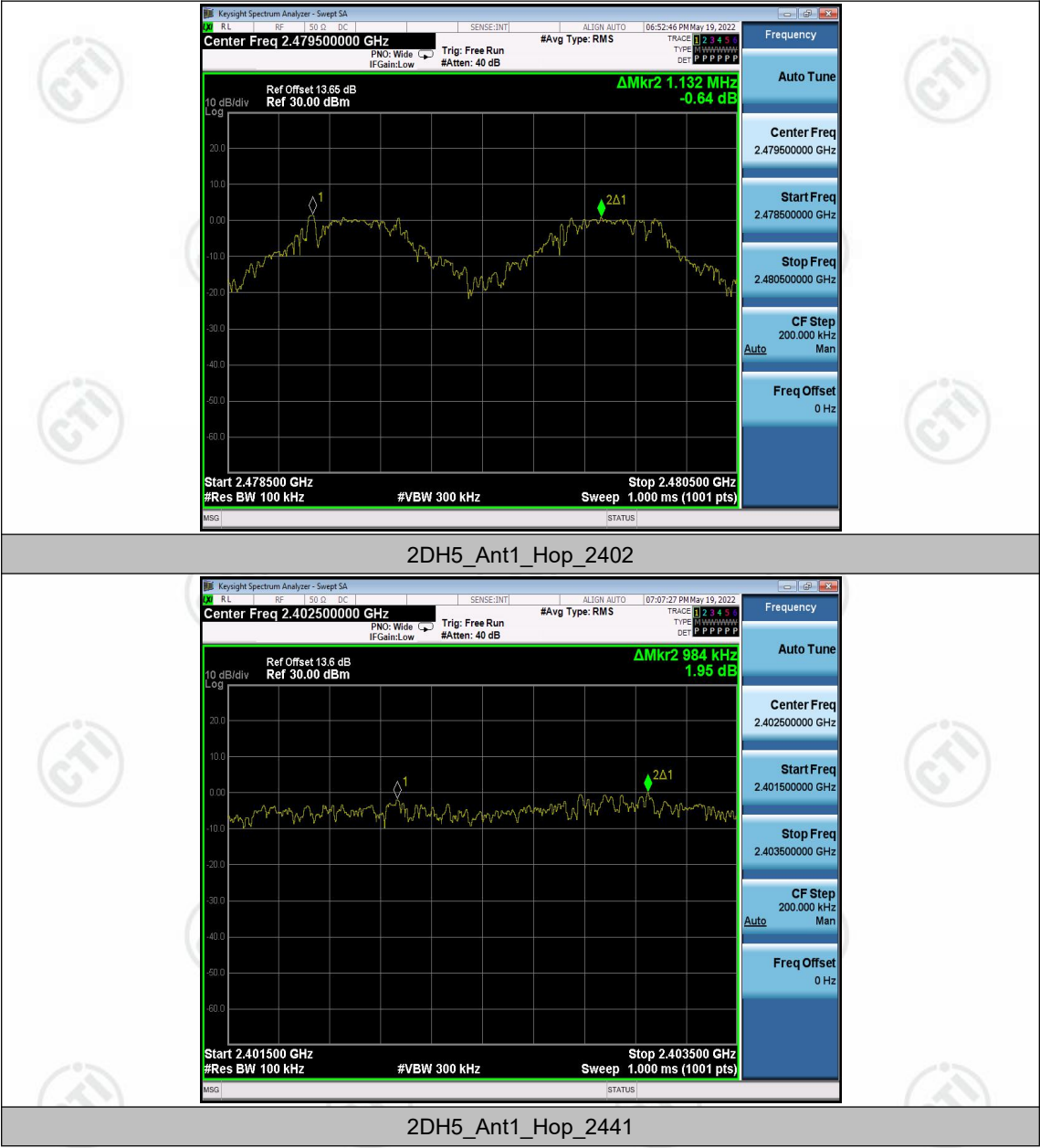
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	0.96	≥0.945	PASS
		Hop_2441	1.022	≥0.945	PASS
		Hop_2480	1.132	≥0.945	PASS
2DH5	Ant1	Hop_2402	0.984	≥0.882	PASS
		Hop_2441	1.126	≥0.882	PASS
		Hop_2480	1.174	≥0.882	PASS
3DH5	Ant1	Hop_2402	1.136	≥0.860	PASS
		Hop_2441	0.97	≥0.860	PASS
		Hop_2480	1.098	≥0.860	PASS

Test Graphs



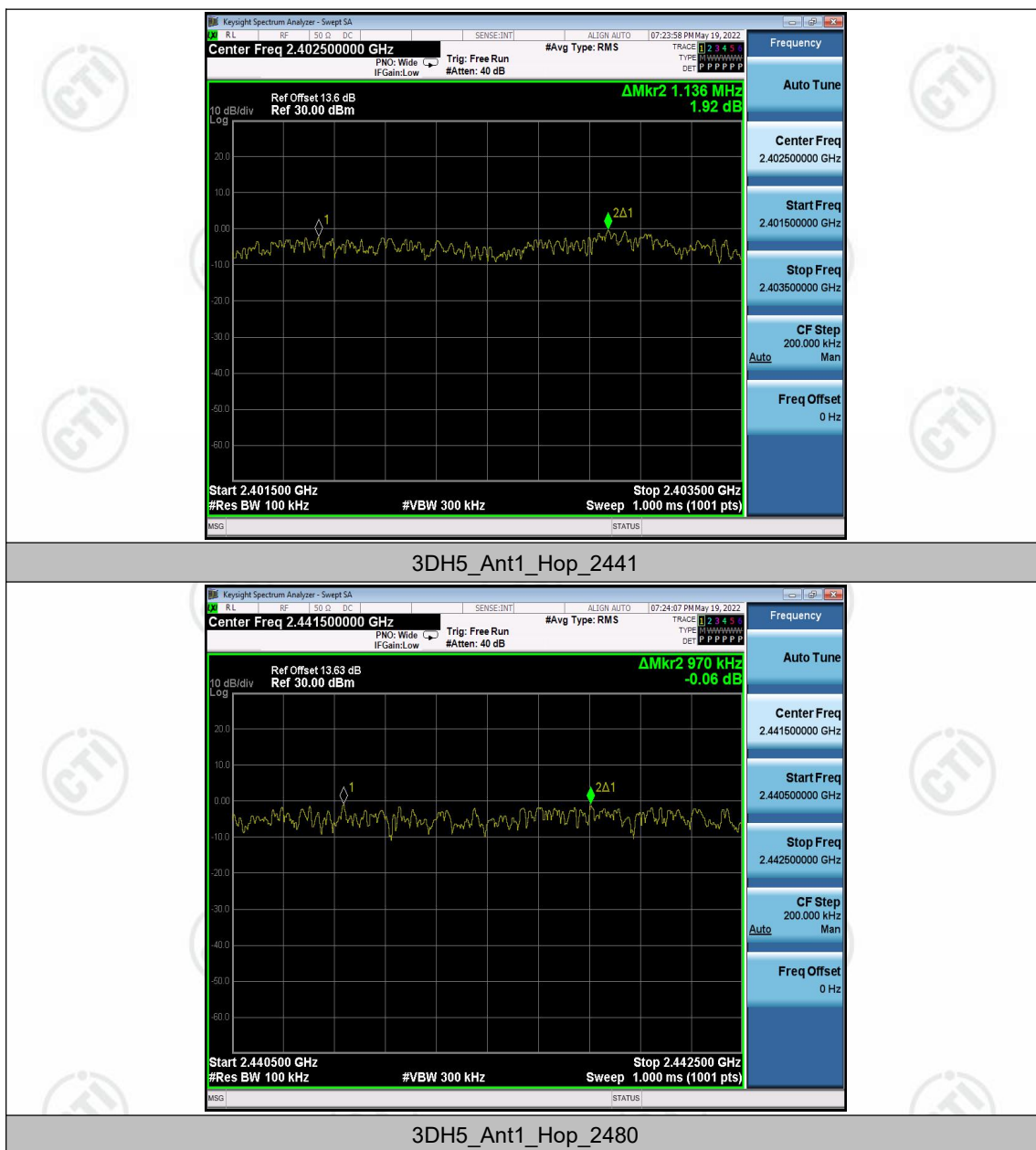


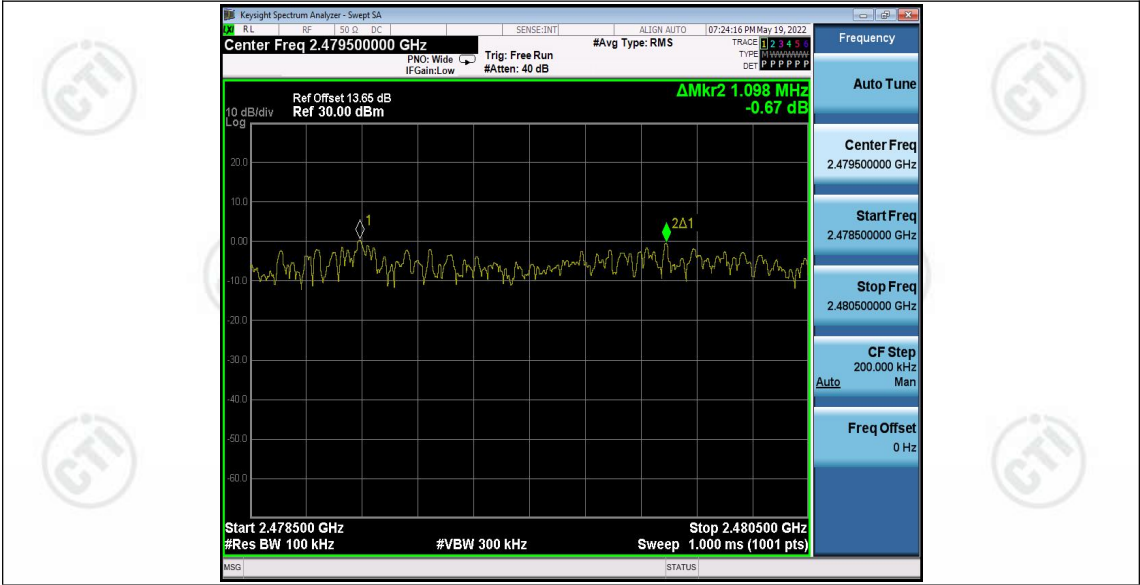


2DH5_Ant1_Hop_2480



3DH5_Ant1_Hop_2402





Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	330	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.65	170	0.28	≤0.4	PASS
DH5	Ant1	Hop	2.90	110	0.319	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS
3DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.63	150	0.245	≤0.4	PASS
3DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS