

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

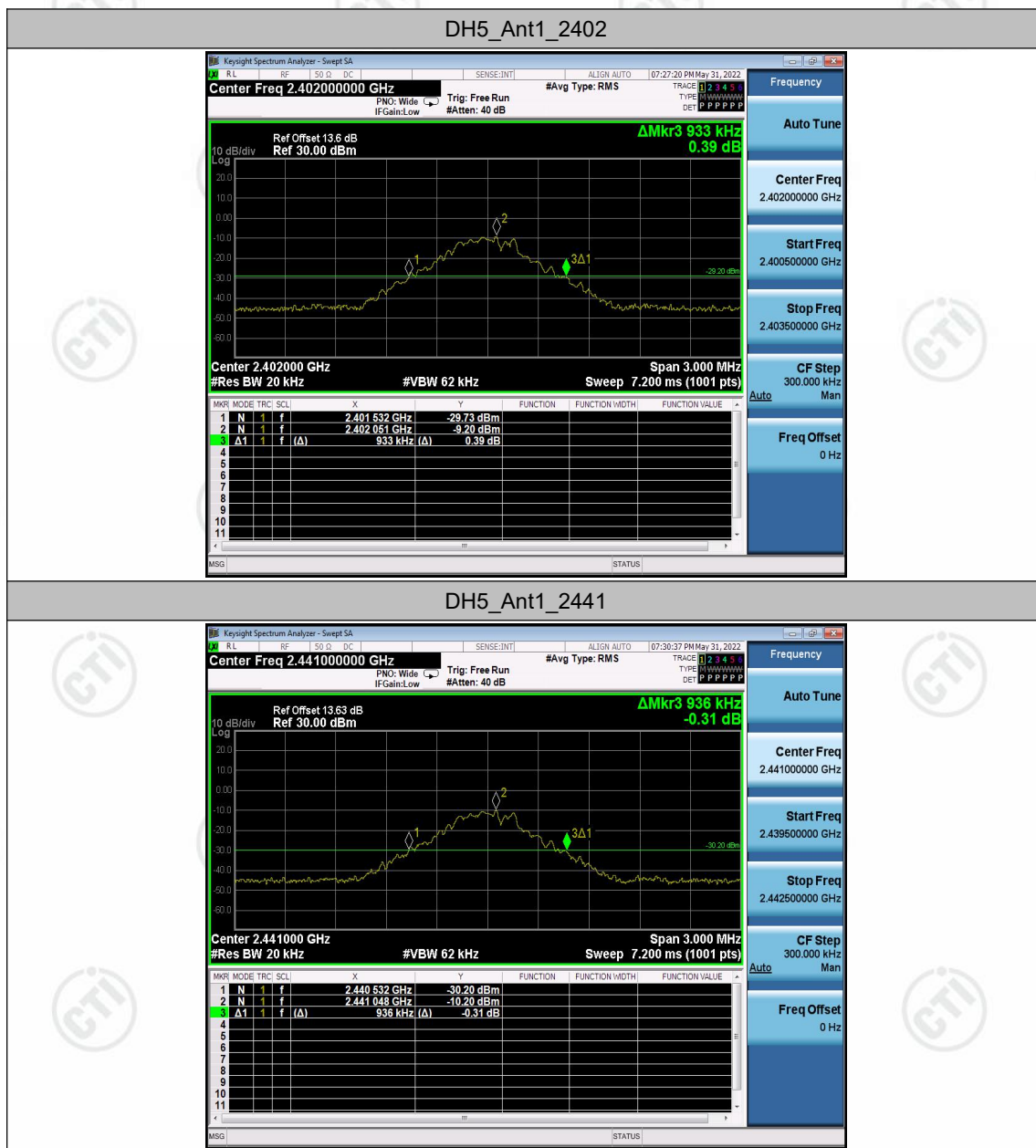
 Test Graphs.....63

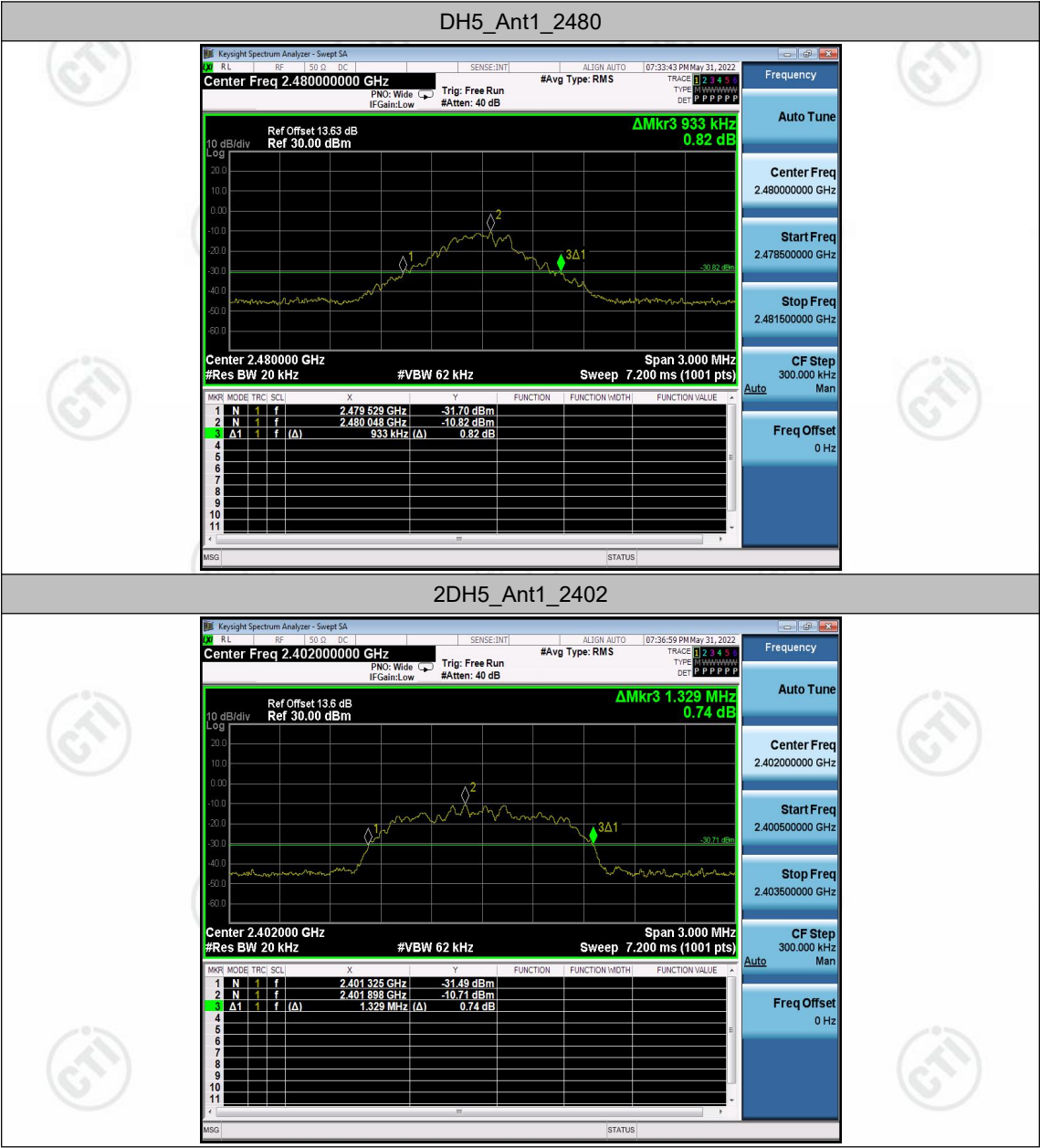
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.933	2401.532	2402.465	---	---
		2441	0.936	2440.532	2441.468	---	---
		2480	0.933	2479.529	2480.462	---	---
2DH5	Ant1	2402	1.329	2401.325	2402.654	---	---
		2441	1.332	2440.325	2441.657	---	---
		2480	1.329	2479.325	2480.654	---	---
3DH5	Ant1	2402	1.305	2401.337	2402.642	---	---
		2441	1.311	2440.337	2441.648	---	---
		2480	1.323	2479.322	2480.645	---	---

Test Graphs



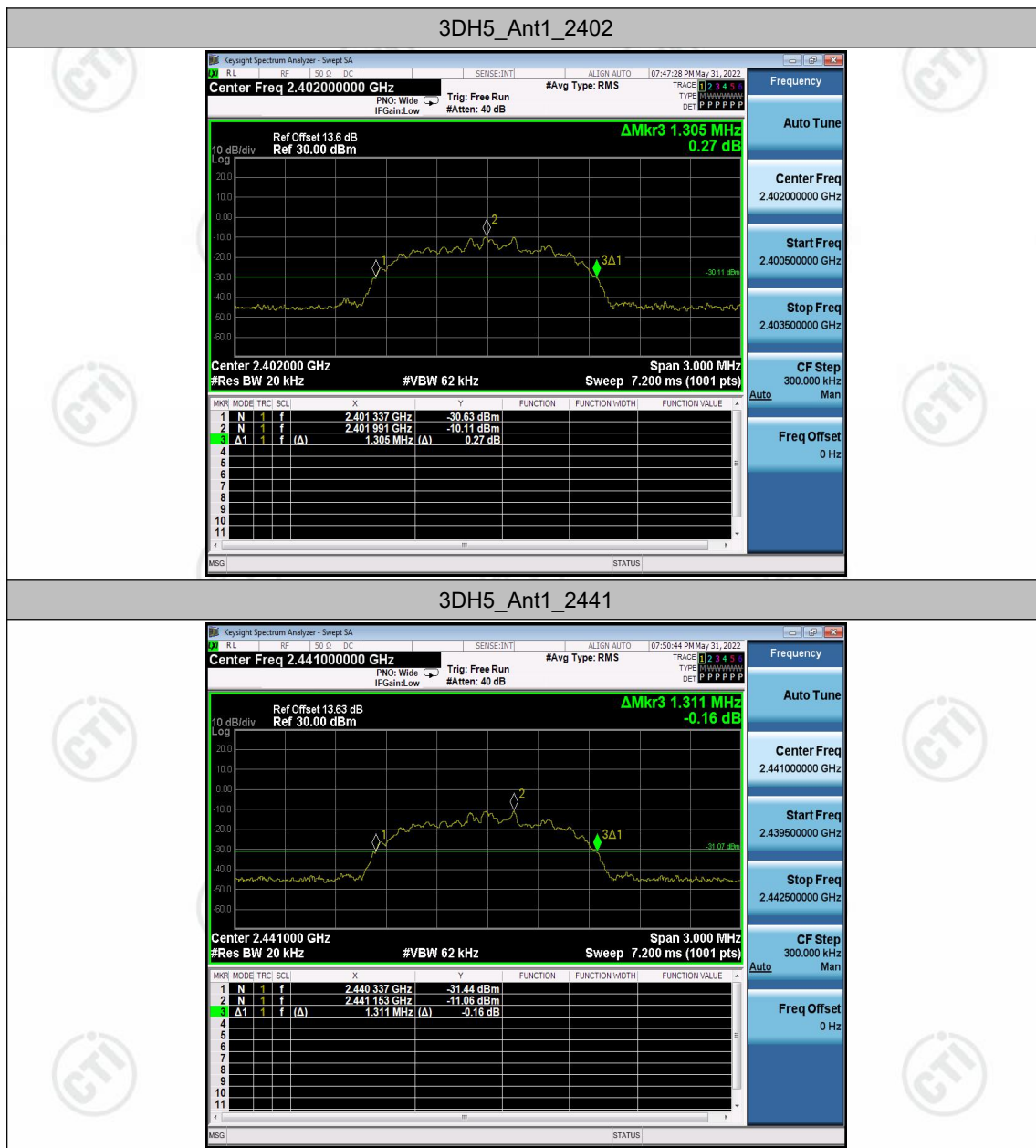


2DH5_Ant1_2441



2DH5_Ant1_2480





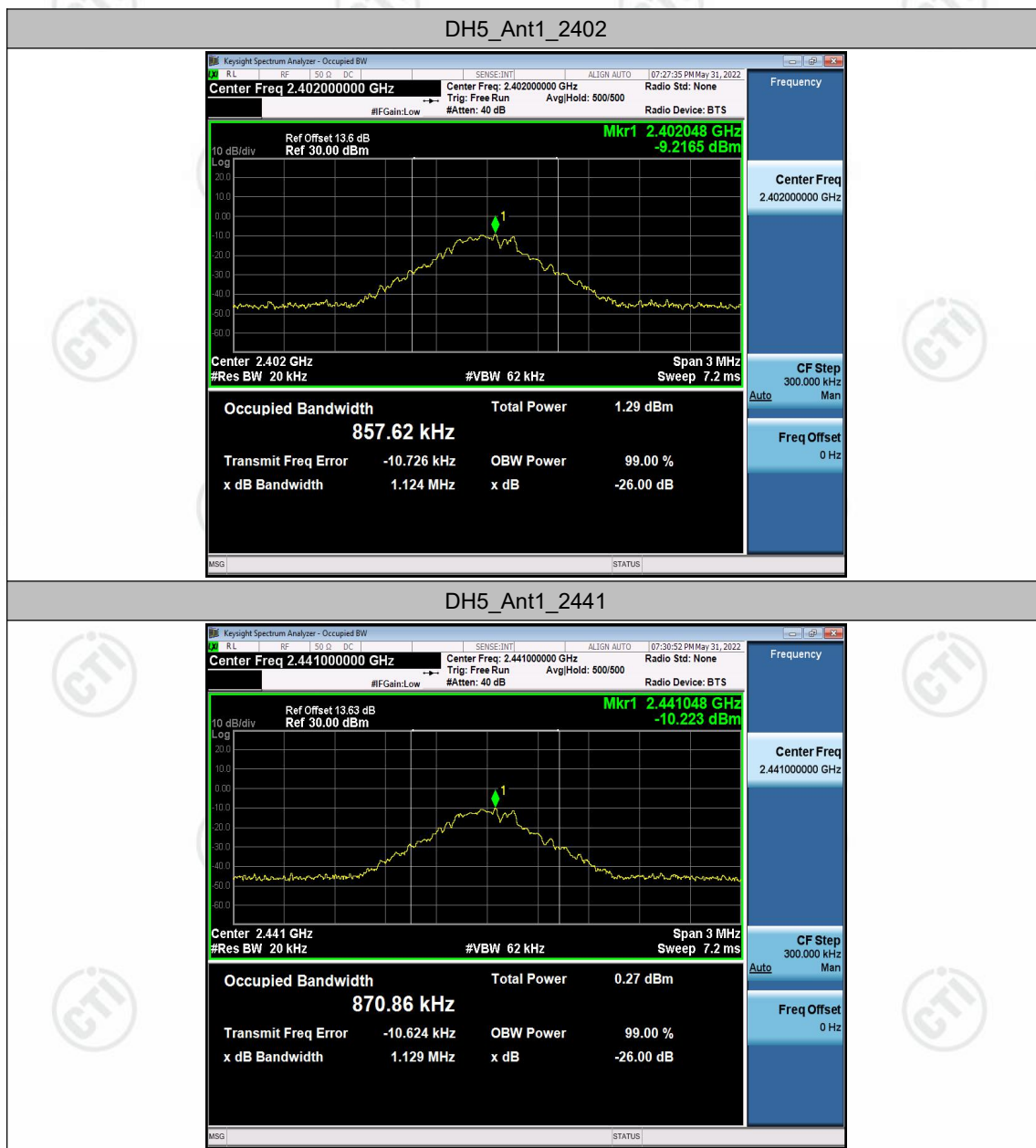


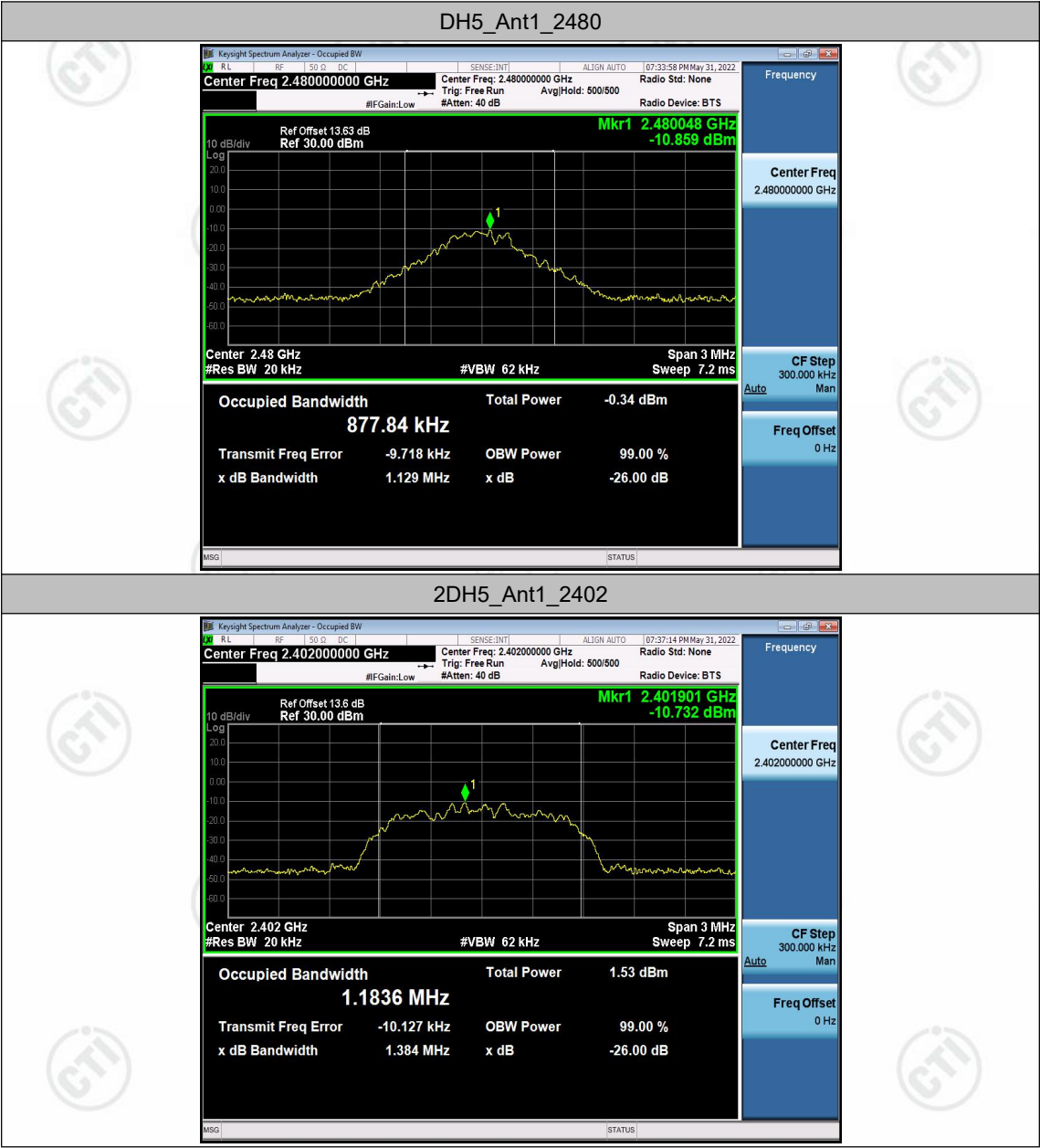
Appendix B: Occupied Channel Bandwidth

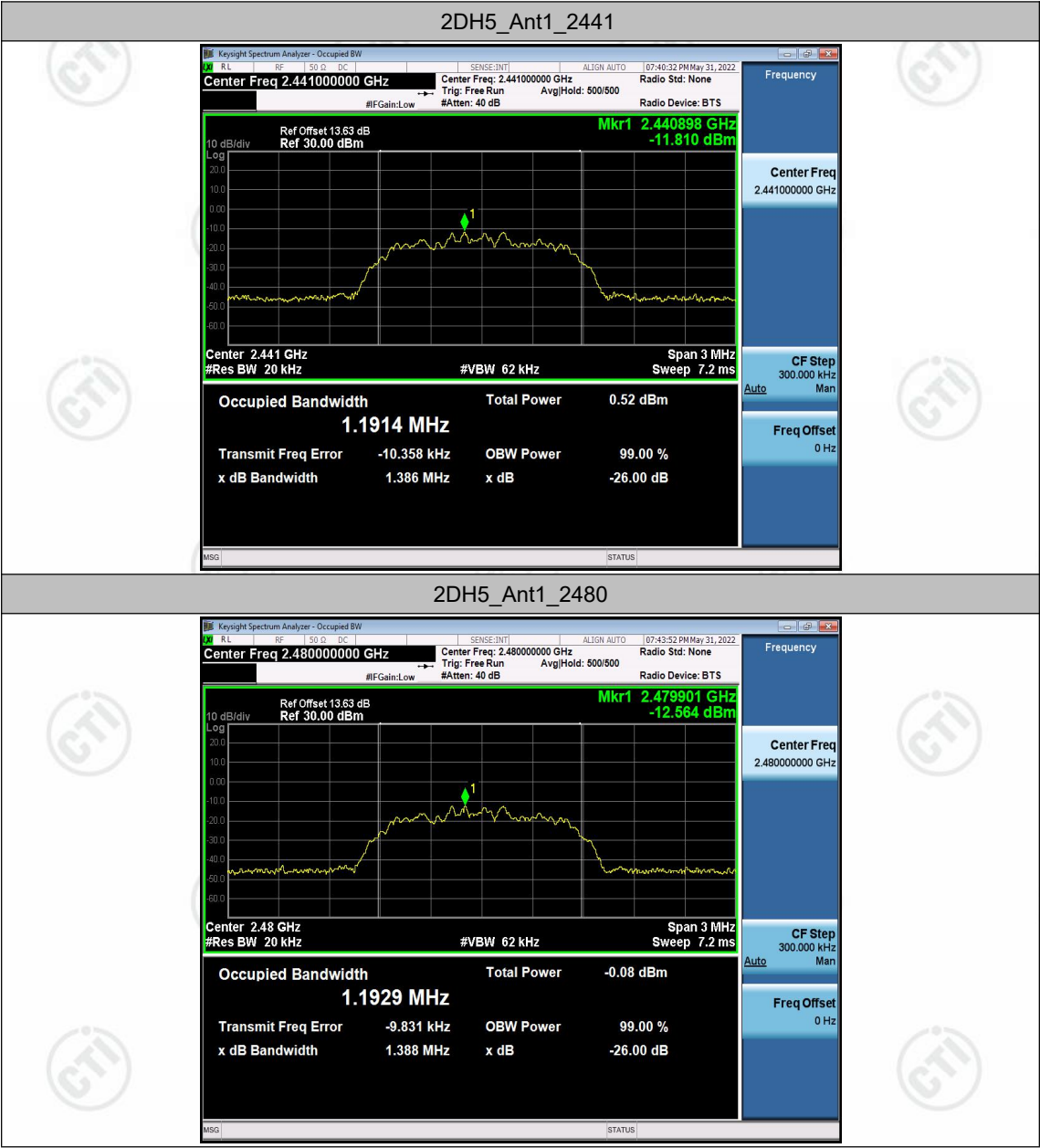
Test Result

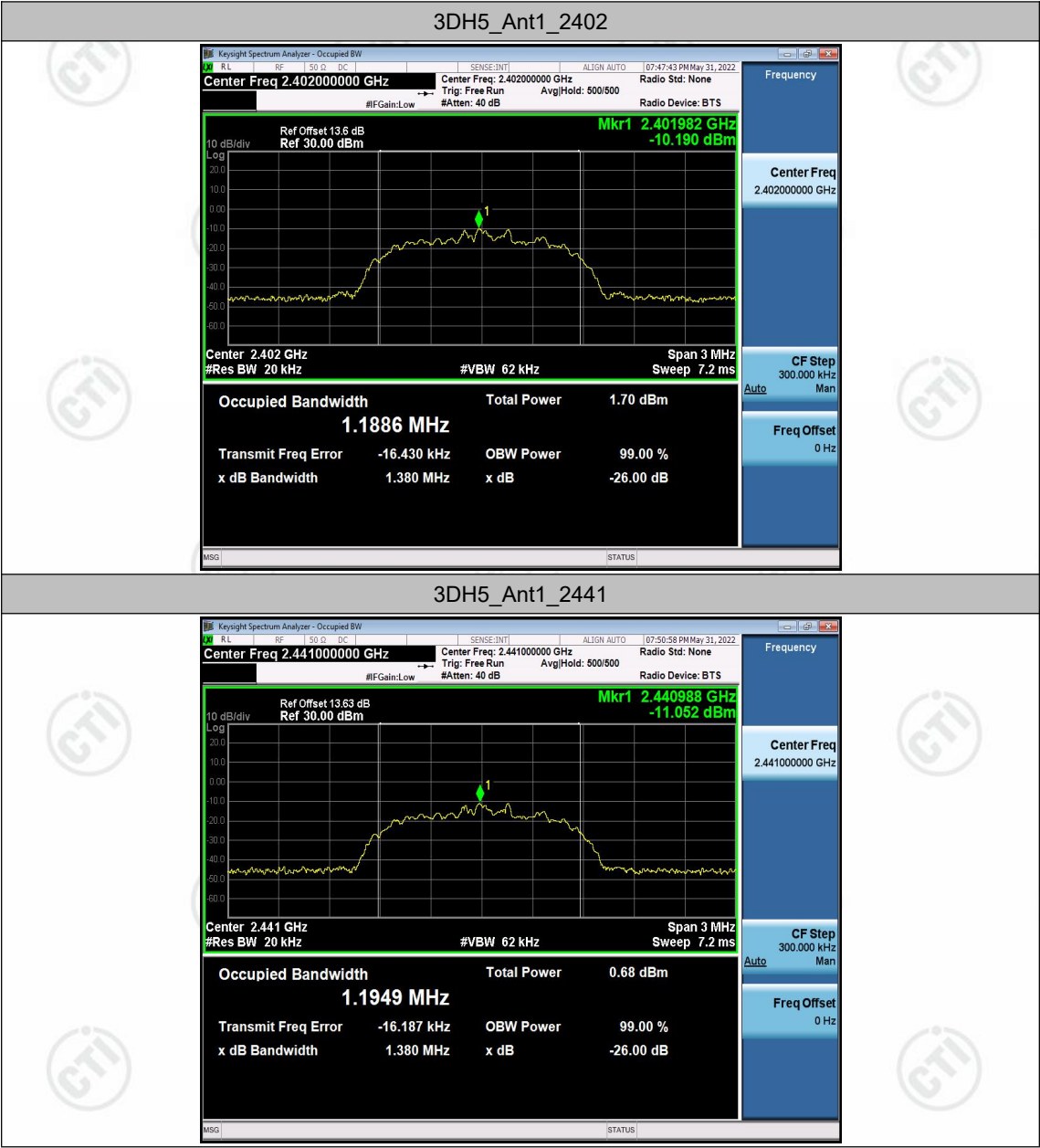
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.85762	2401.560	2402.418	---	---
		2441	0.87086	2440.554	2441.425	---	---
		2480	0.87784	2479.551	2480.429	---	---
2DH5	Ant1	2402	1.1836	2401.398	2402.582	---	---
		2441	1.1914	2440.394	2441.585	---	---
		2480	1.1929	2479.394	2480.587	---	---
3DH5	Ant1	2402	1.1886	2401.389	2402.578	---	---
		2441	1.1949	2440.386	2441.581	---	---
		2480	1.1979	2479.383	2480.581	---	---

Test Graphs











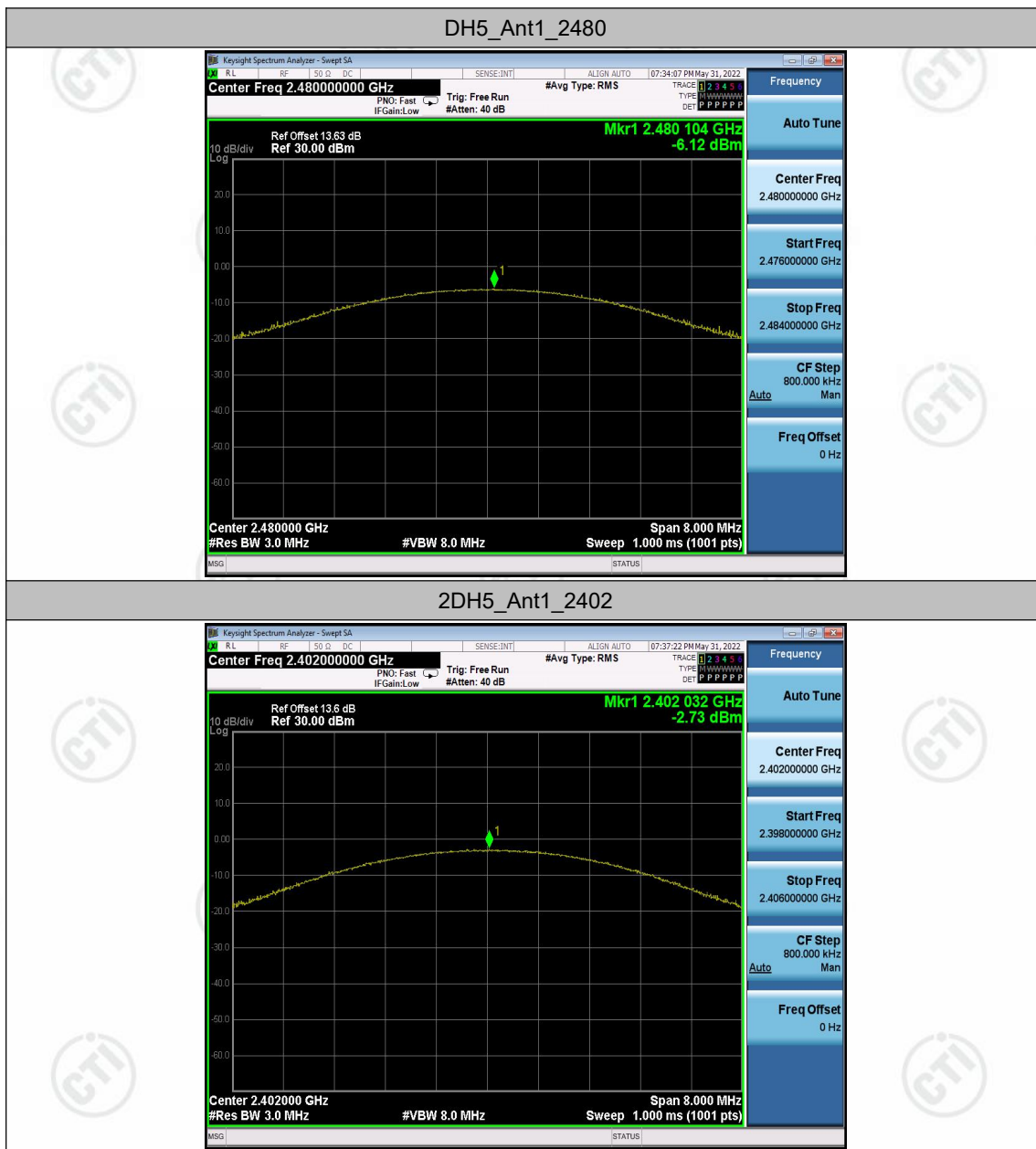
Appendix C: Maximum conducted output power

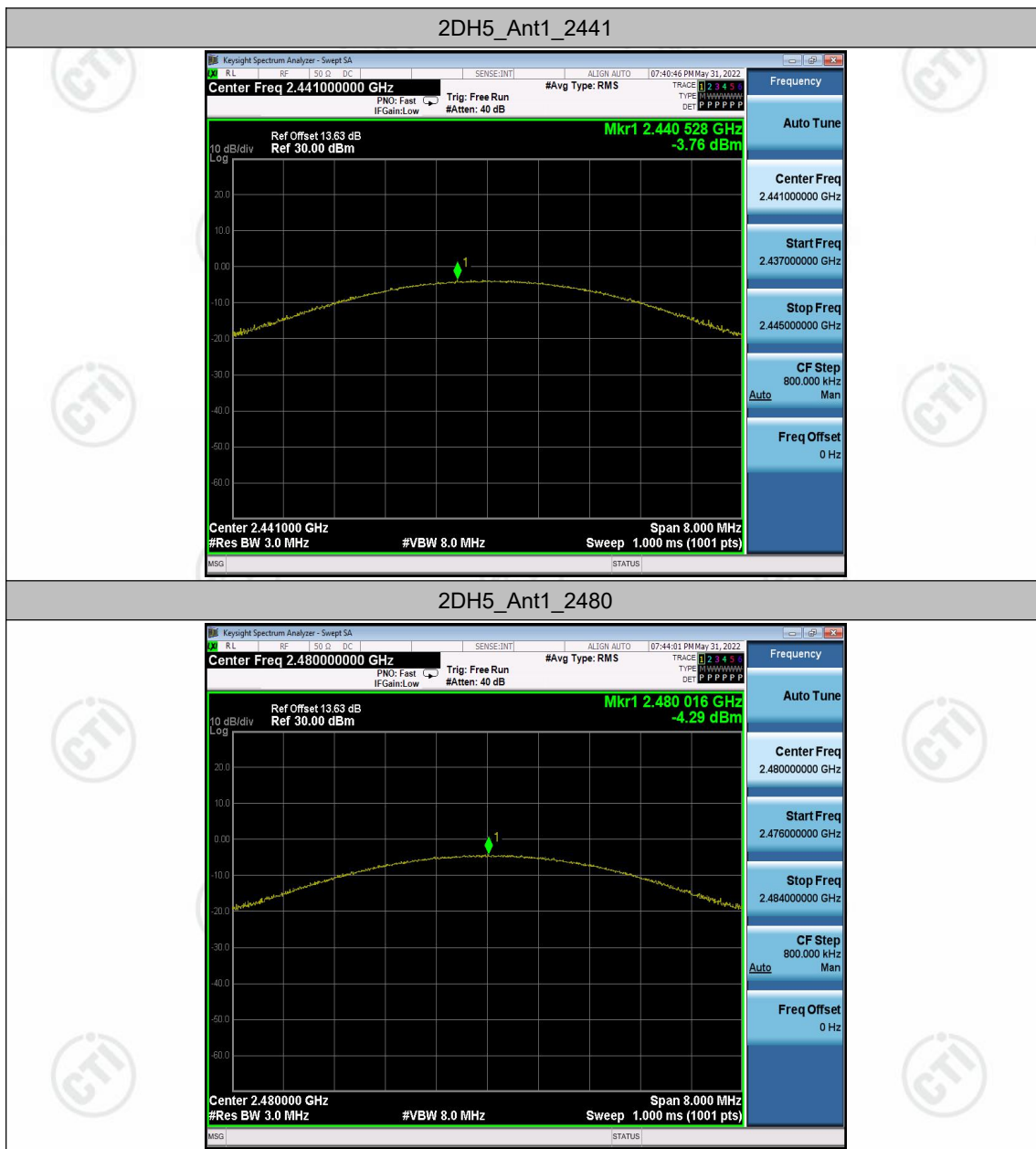
Test Result Peak

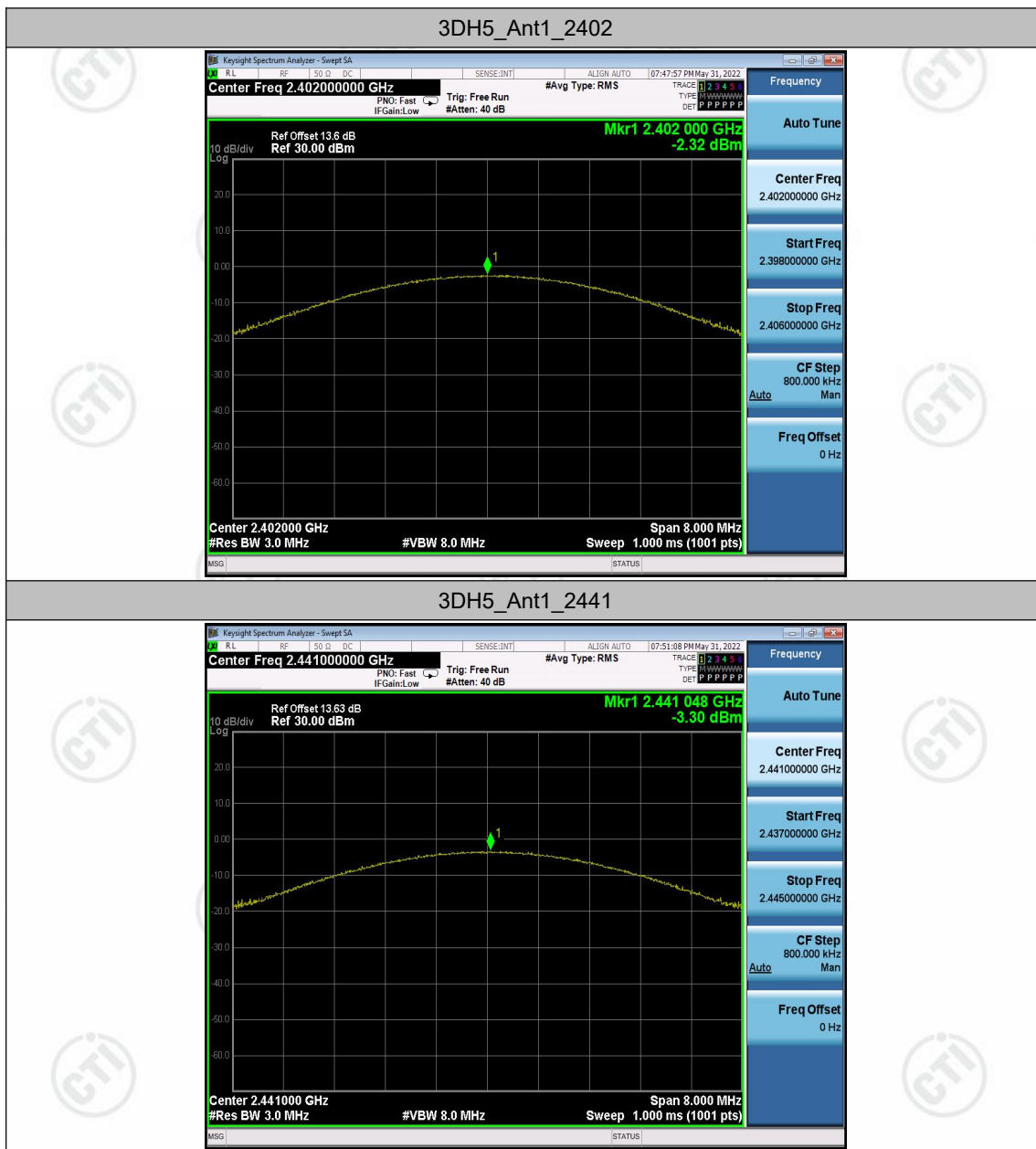
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-4.8	≤20.97	PASS
		2441	-5.67	≤20.97	PASS
		2480	-6.12	≤20.97	PASS
2DH5	Ant1	2402	-2.73	≤20.97	PASS
		2441	-3.76	≤20.97	PASS
		2480	-4.29	≤20.97	PASS
3DH5	Ant1	2402	-2.32	≤20.97	PASS
		2441	-3.3	≤20.97	PASS
		2480	-3.65	≤20.97	PASS

Test Graphs











Appendix D: Carrier frequency separation

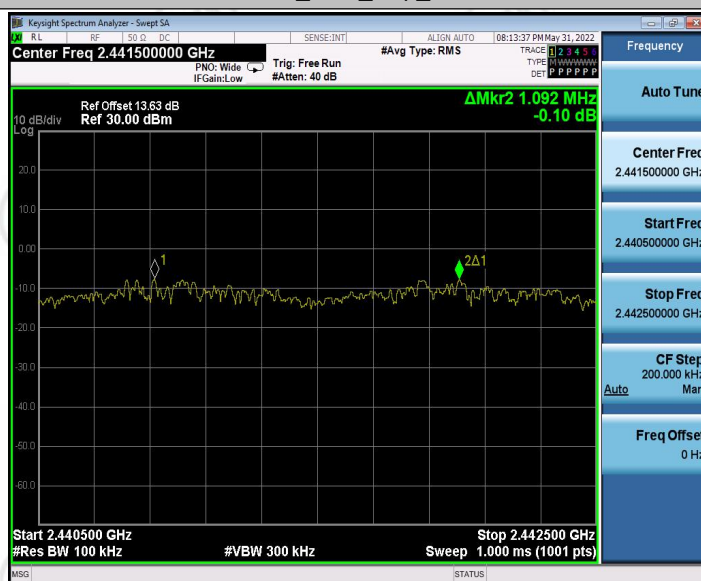
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	1.08	≥ 0.936	PASS
		Hop_2441	0.978	≥ 0.936	PASS
		Hop_2480	1.01	≥ 0.936	PASS
2DH5	Ant1	Hop_2402	1.032	≥ 0.888	PASS
		Hop_2441	1.092	≥ 0.888	PASS
		Hop_2480	0.922	≥ 0.888	PASS
3DH5	Ant1	Hop_2402	1.158	≥ 0.882	PASS
		Hop_2441	1.15	≥ 0.882	PASS
		Hop_2480	1.136	≥ 0.882	PASS

Test Graphs

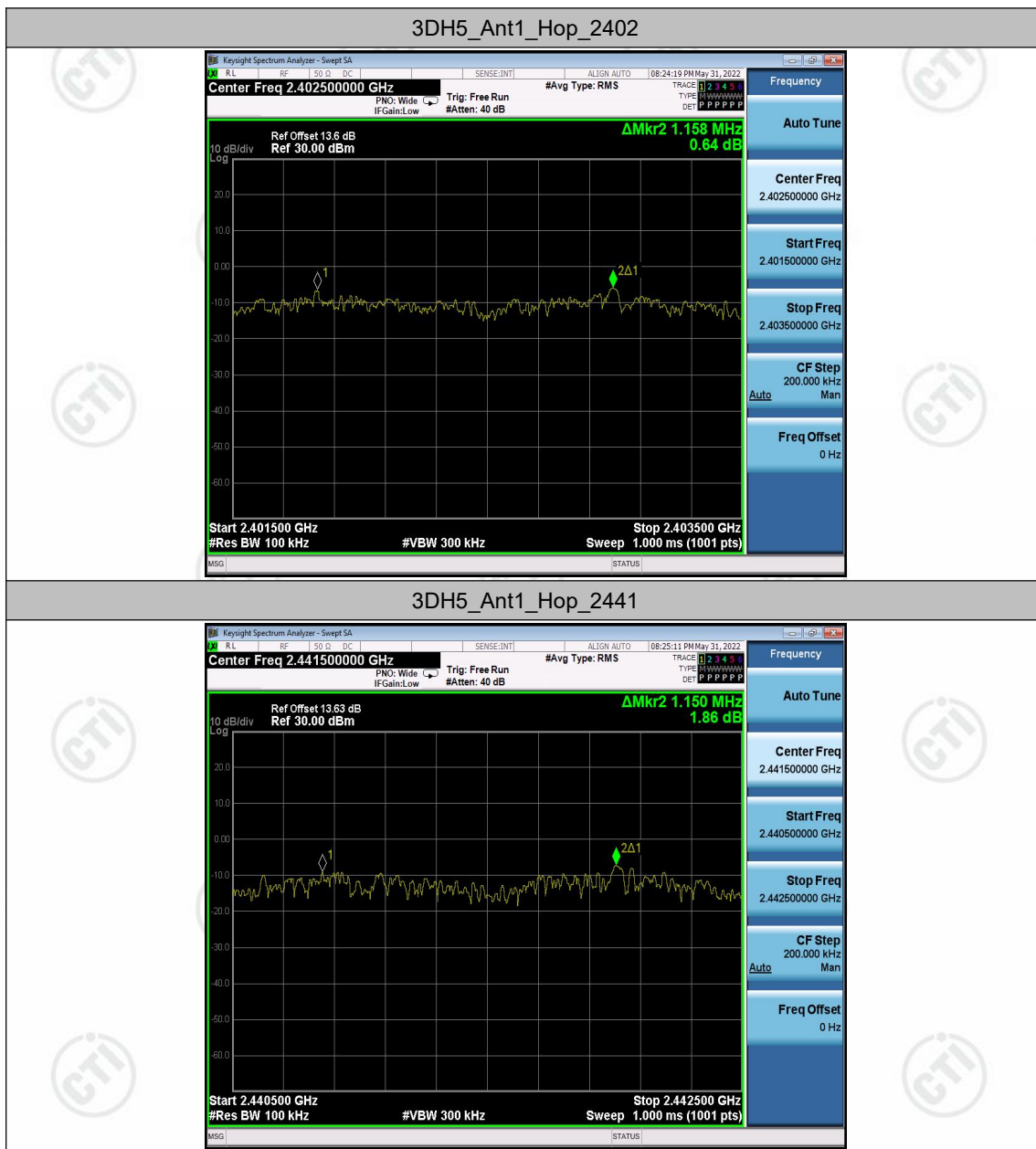


2DH5_Ant1_Hop_2441



2DH5_Ant1_Hop_2480







Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.40	330	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.65	200	0.33	≤0.4	PASS
DH5	Ant1	Hop	2.90	120	0.348	≤0.4	PASS
2DH1	Ant1	Hop	0.41	330	0.134	≤0.4	PASS
2DH3	Ant1	Hop	1.66	180	0.298	≤0.4	PASS
2DH5	Ant1	Hop	2.91	80	0.232	≤0.4	PASS
3DH1	Ant1	Hop	0.41	310	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.66	150	0.249	≤0.4	PASS
3DH5	Ant1	Hop	2.91	100	0.291	≤0.4	PASS