

Appendix: Bluetooth Classic

Contents

Appendix A: 20dB Emission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	7
Test Result.....	7
Test Graphs.....	8
Appendix C: Maximum conducted output power.....	11
Test Result Peak.....	11
Test Graphs.....	11
Appendix D: Carrier frequency separation.....	15
Test Result.....	15
Test Graphs.....	16
Appendix E: Time of occupancy.....	19
Test Result.....	19
Test Graphs.....	20
Appendix F: Number of hopping channels.....	26
Test Result.....	26
Test Graphs.....	27
Appendix G: Band edge measurements.....	28
Test Result.....	28
Test Graphs.....	29
Appendix H: Conducted Spurious Emission.....	33
Test Result.....	33
Test Graphs.....	34
Appendix I: Duty Cycle.....	43
Test Result.....	43
Test Graphs.....	44

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	0.891	2401.541	2402.432	---	---
		2441	0.891	2440.541	2441.432	---	---
		2480	0.936	2479.541	2480.477	---	---
2DH5	Ant1	2402	1.263	2401.367	2402.630	---	---
		2441	1.260	2440.370	2441.630	---	---
		2480	1.263	2479.367	2480.630	---	---

Test Graphs

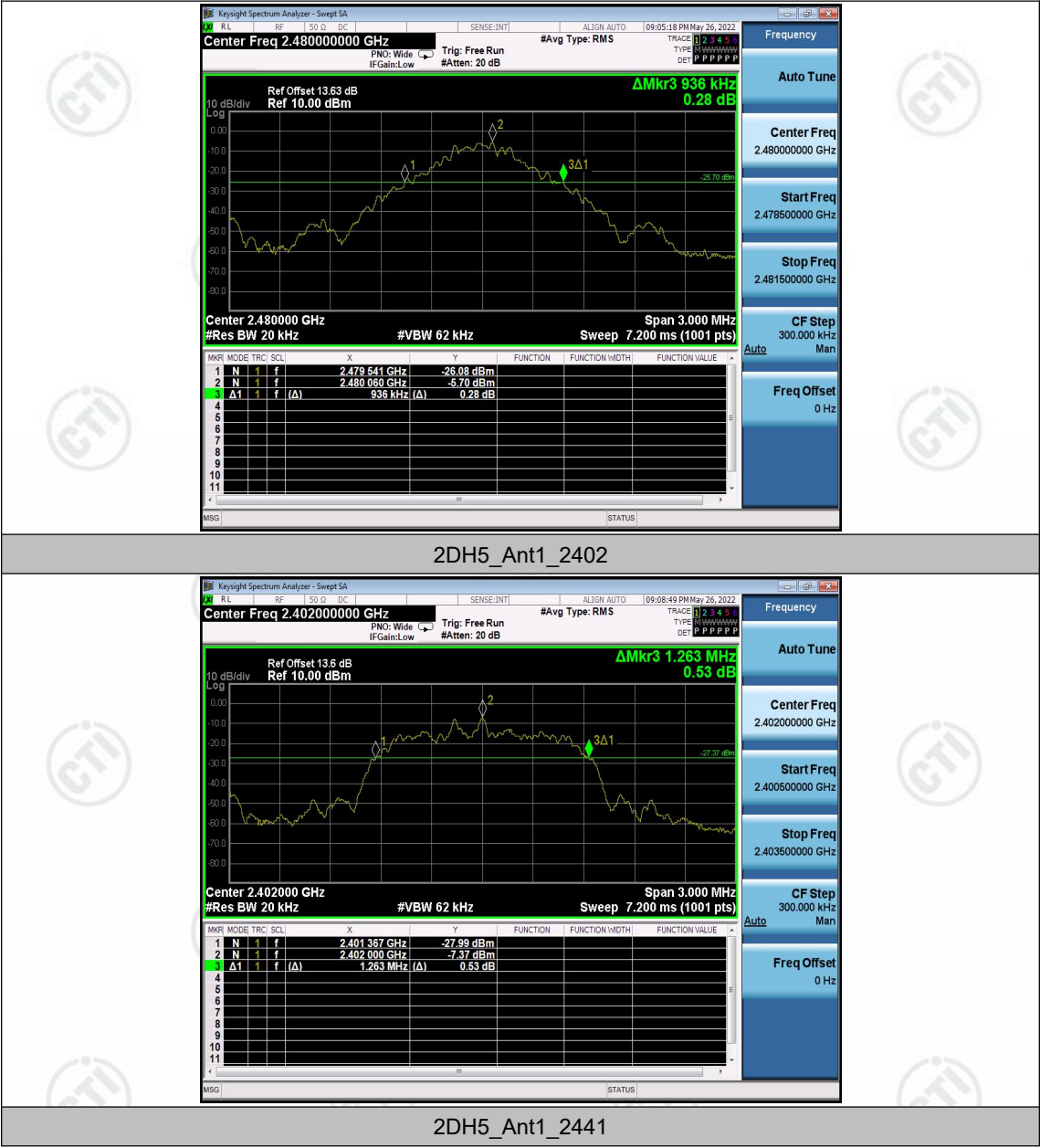
DH5_Ant1_2402

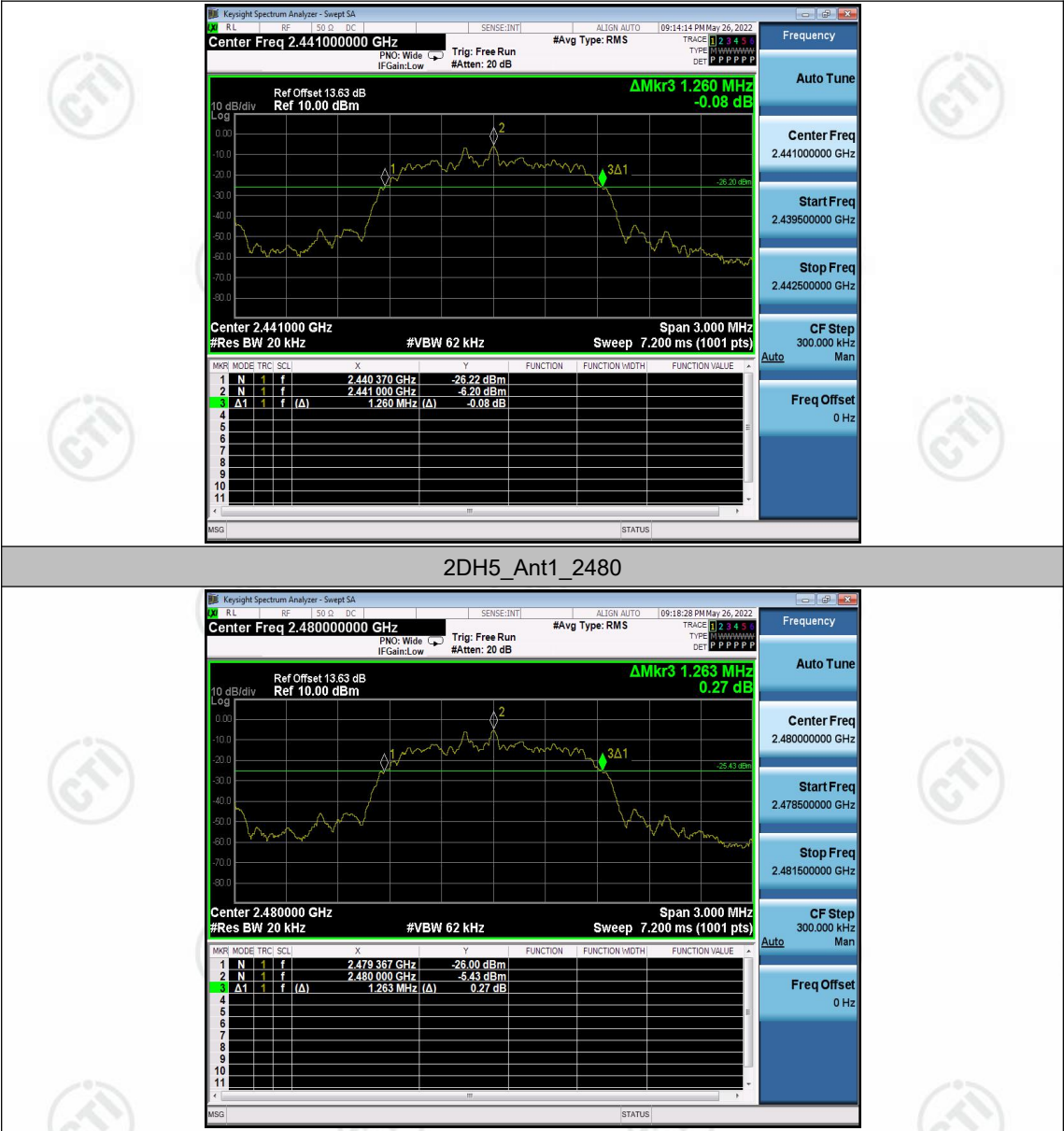


DH5_Ant1_2441



DH5_Ant1_2480



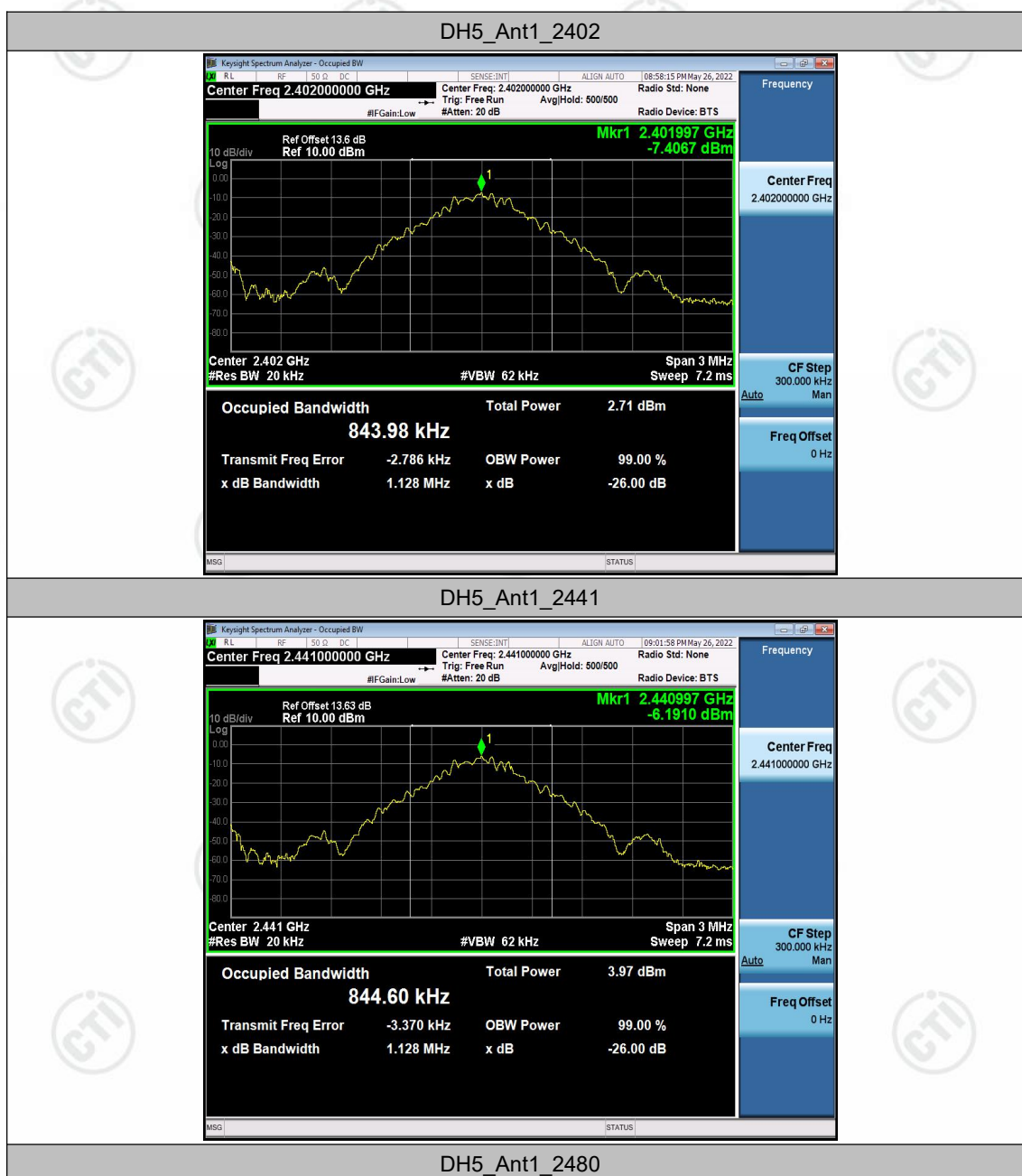


Appendix B: Occupied Channel Bandwidth

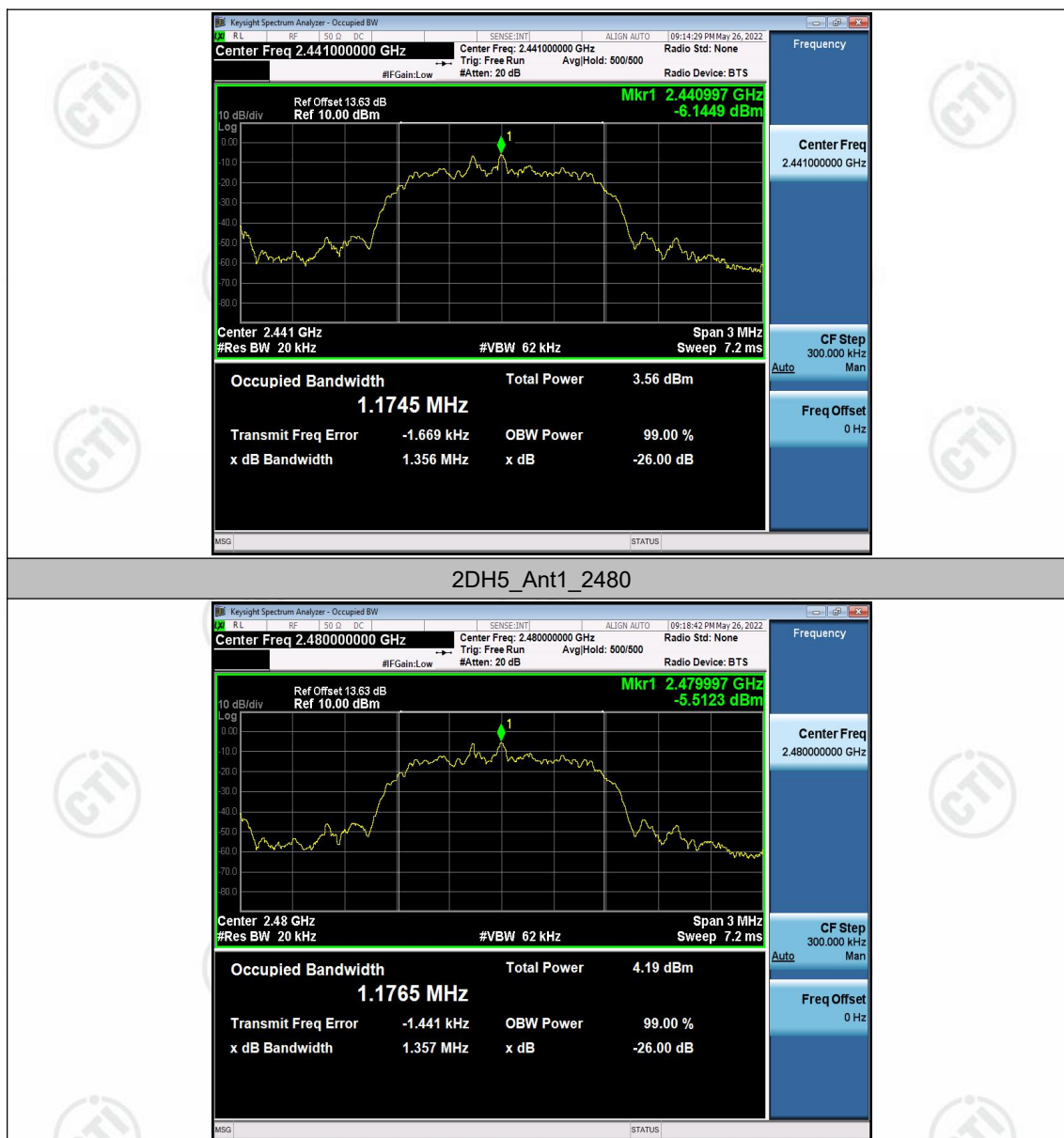
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84398	2401.575	2402.419	---	---
		2441	0.84460	2440.574	2441.419	---	---
		2480	0.84668	2479.573	2480.420	---	---
2DH5	Ant1	2402	1.1762	2401.410	2402.587	---	---
		2441	1.1745	2440.411	2441.586	---	---
		2480	1.1765	2479.410	2480.587	---	---

Test Graphs





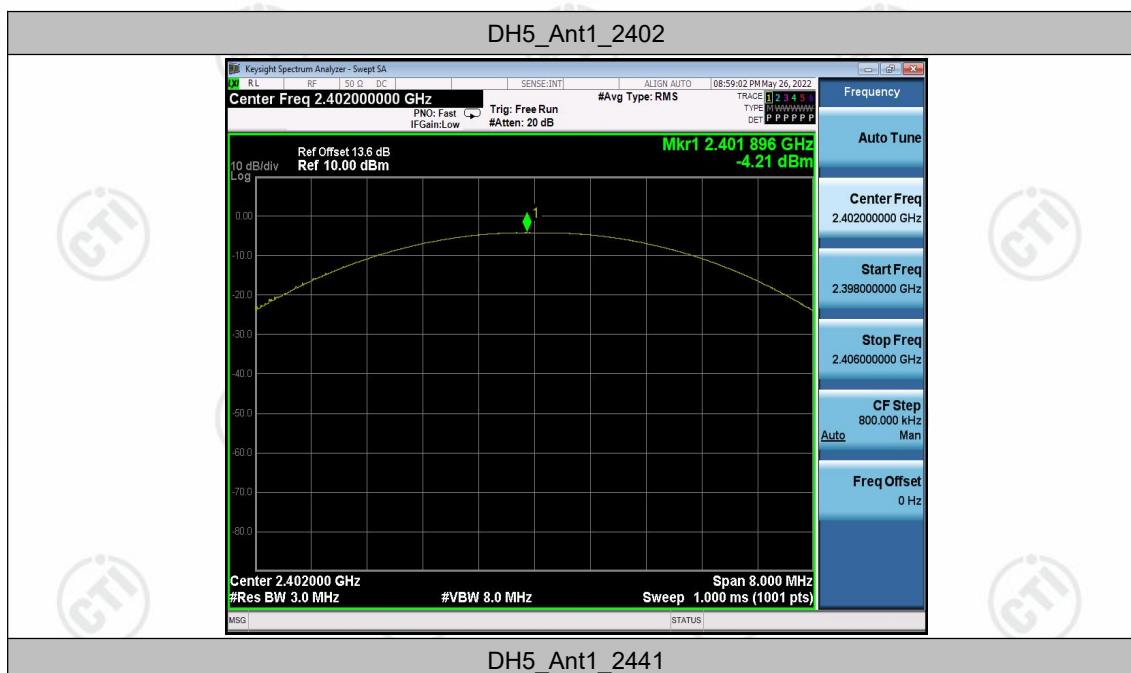


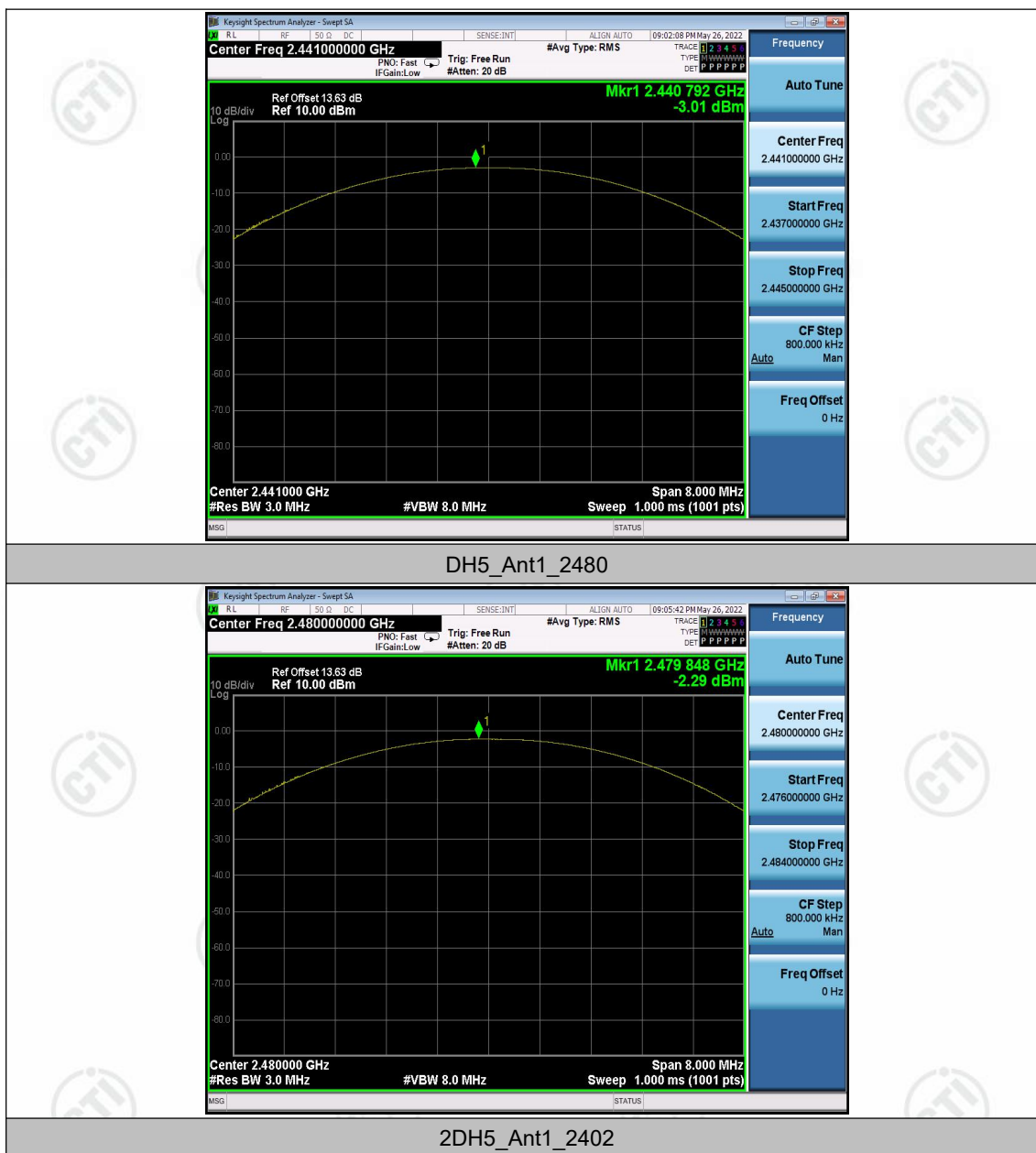
Appendix C: Maximum conducted output power

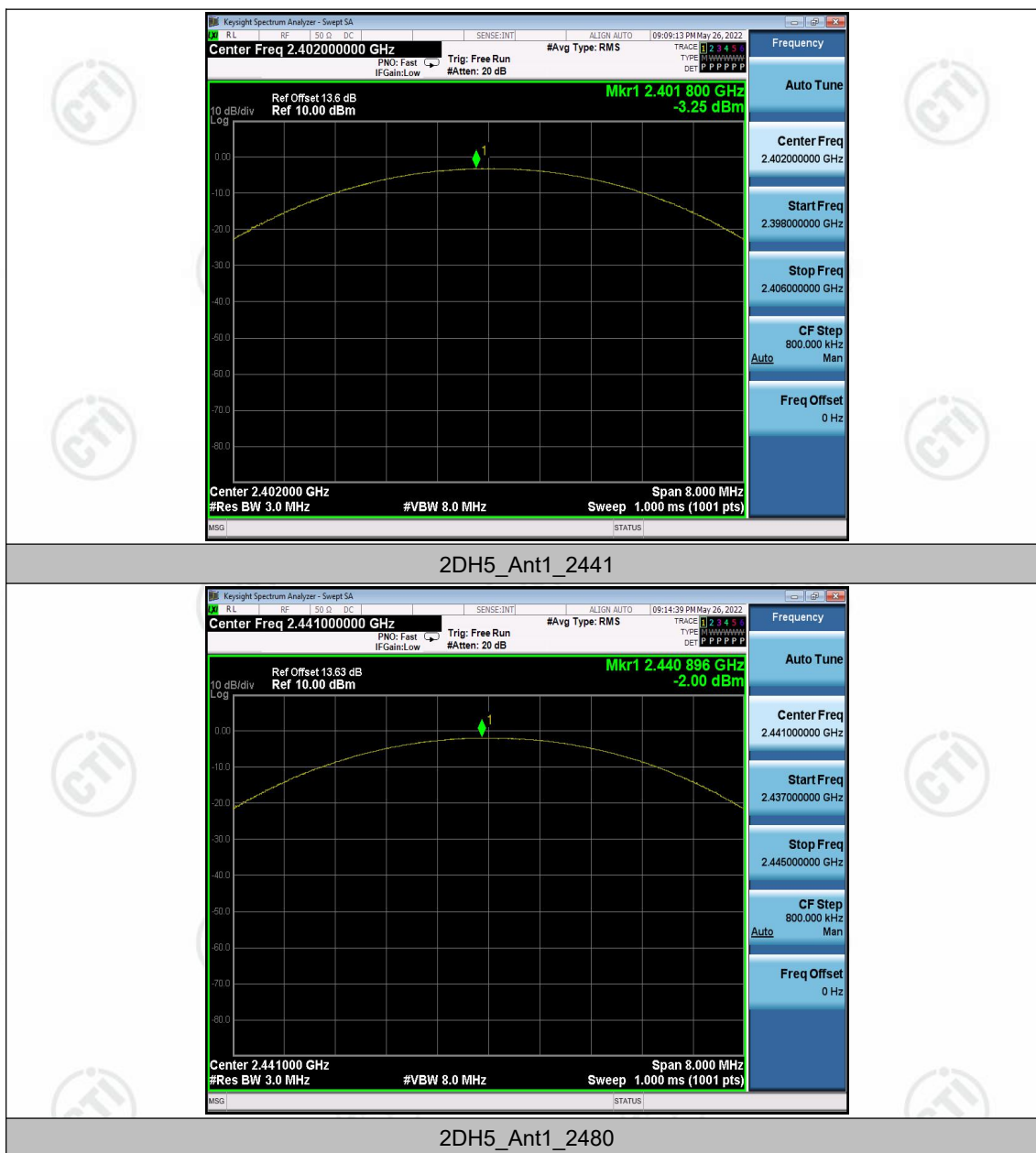
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-4.21	≤20.97	PASS
		2441	-3.01	≤20.97	PASS
		2480	-2.29	≤20.97	PASS
2DH5	Ant1	2402	-3.25	≤20.97	PASS
		2441	-2.00	≤20.97	PASS
		2480	-1.31	≤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	1.118	≥ 0.936	PASS
		Hop_2441	0.918	≥ 0.624	PASS
		Hop_2480	1.03	≥ 0.936	PASS
2DH5	Ant1	Hop_2402	0.996	≥ 0.842	PASS
		Hop_2441	0.996	≥ 0.842	PASS
		Hop_2480	0.972	≥ 0.842	PASS