

Appendix: Bluetooth Classic

Contents

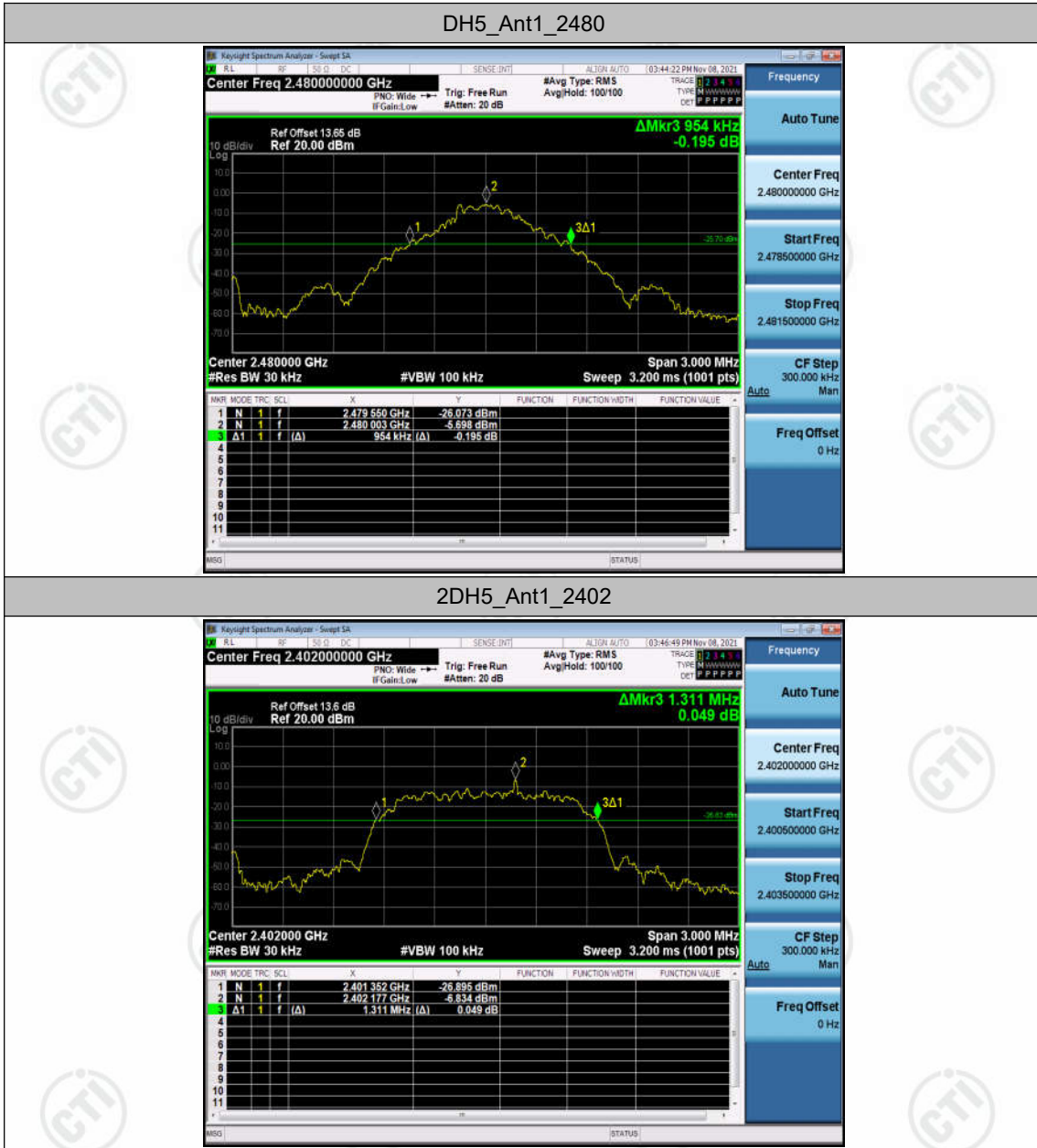
Appendix A: 20dB Emission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	7
Test Result.....	7
Test Graphs.....	8
Appendix C: Maximum conducted output power.....	11
Test Result.....	11
Test Graphs.....	12
Appendix D: Carrier frequency separation.....	15
Test Result.....	15
Test Graphs.....	16
Appendix E: Time of occupancy.....	17
Test Result.....	17
Test Graphs.....	18
Appendix F: Number of hopping channels.....	24
Test Result.....	24
Test Graphs.....	25
Appendix G: Band edge measurements.....	26
Test Result.....	26
Test Graphs.....	27
Appendix H: Conducted Spurious Emission.....	31
Test Result.....	31
Test Graphs.....	32
Appendix I: Duty Cycle.....	41
Test Result.....	41
Test Graphs.....	42

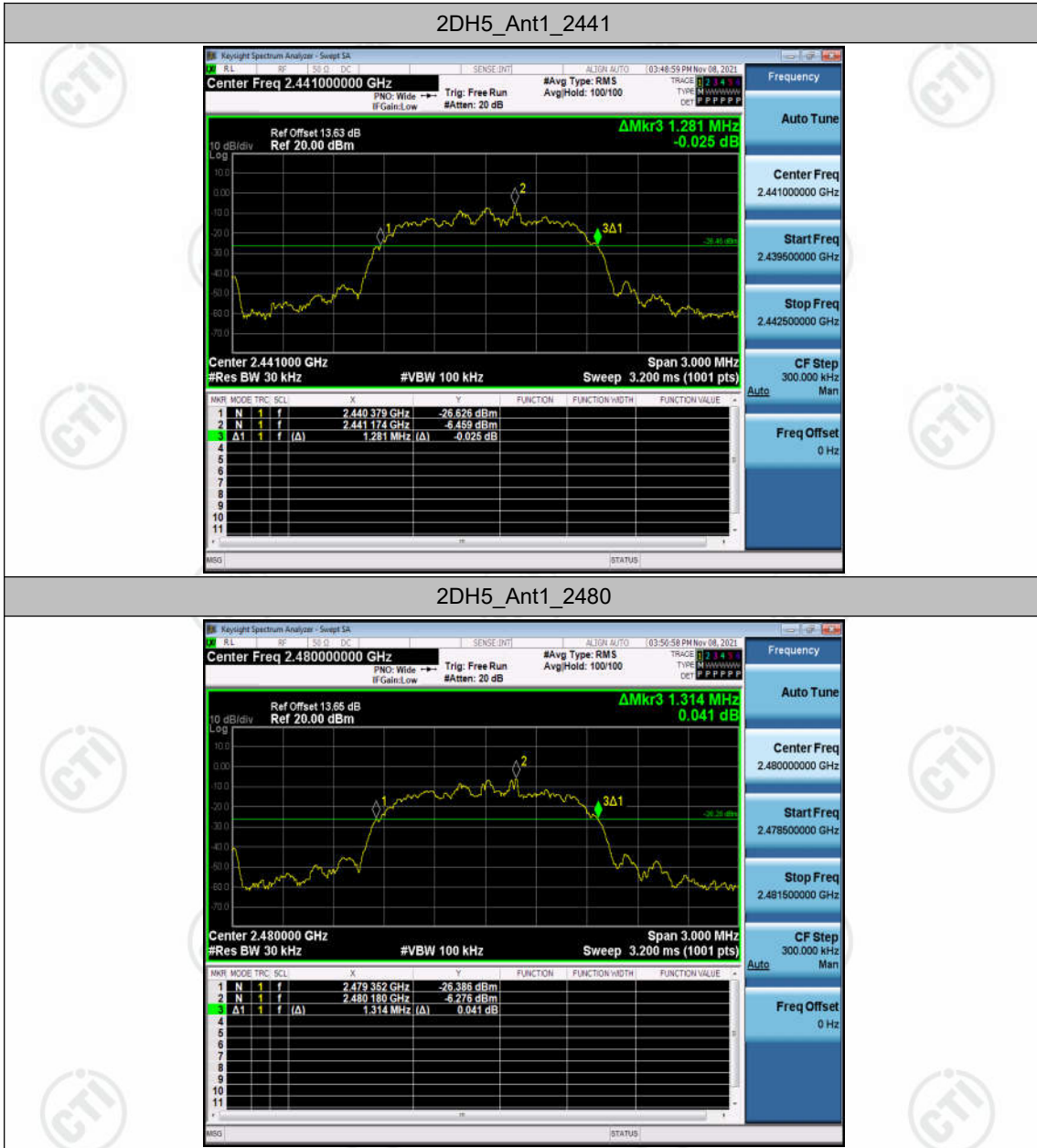
Appendix A: 20dB Emission Bandwidth**Test Result**

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.550	2402.504	---	PASS
		2441	0.960	2440.544	2441.504	---	PASS
		2480	0.954	2479.550	2480.504	---	PASS
2DH5	Ant1	2402	1.311	2401.352	2402.663	---	PASS
		2441	1.281	2440.379	2441.660	---	PASS
		2480	1.314	2479.352	2480.666	---	PASS

Test Graphs



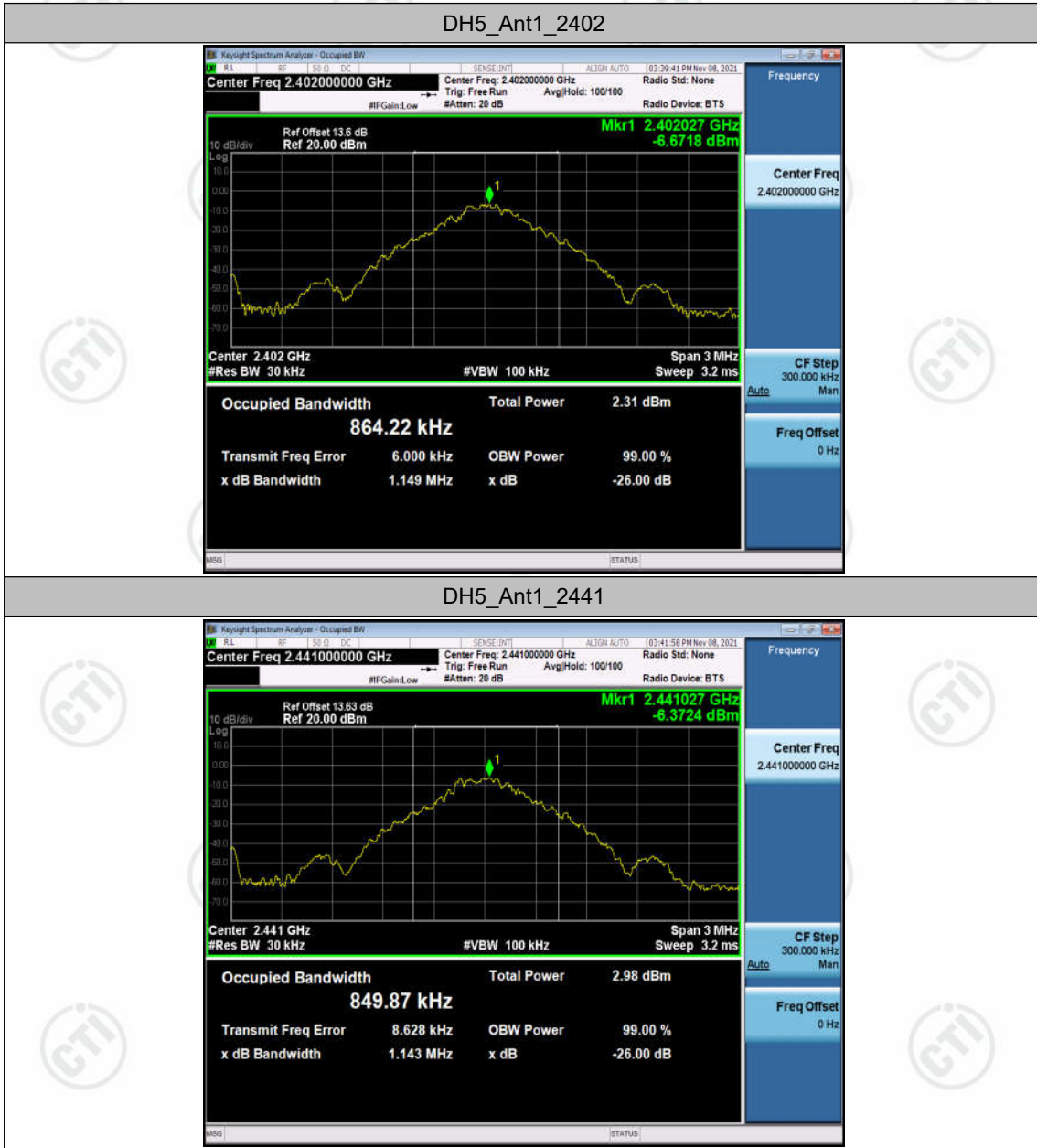




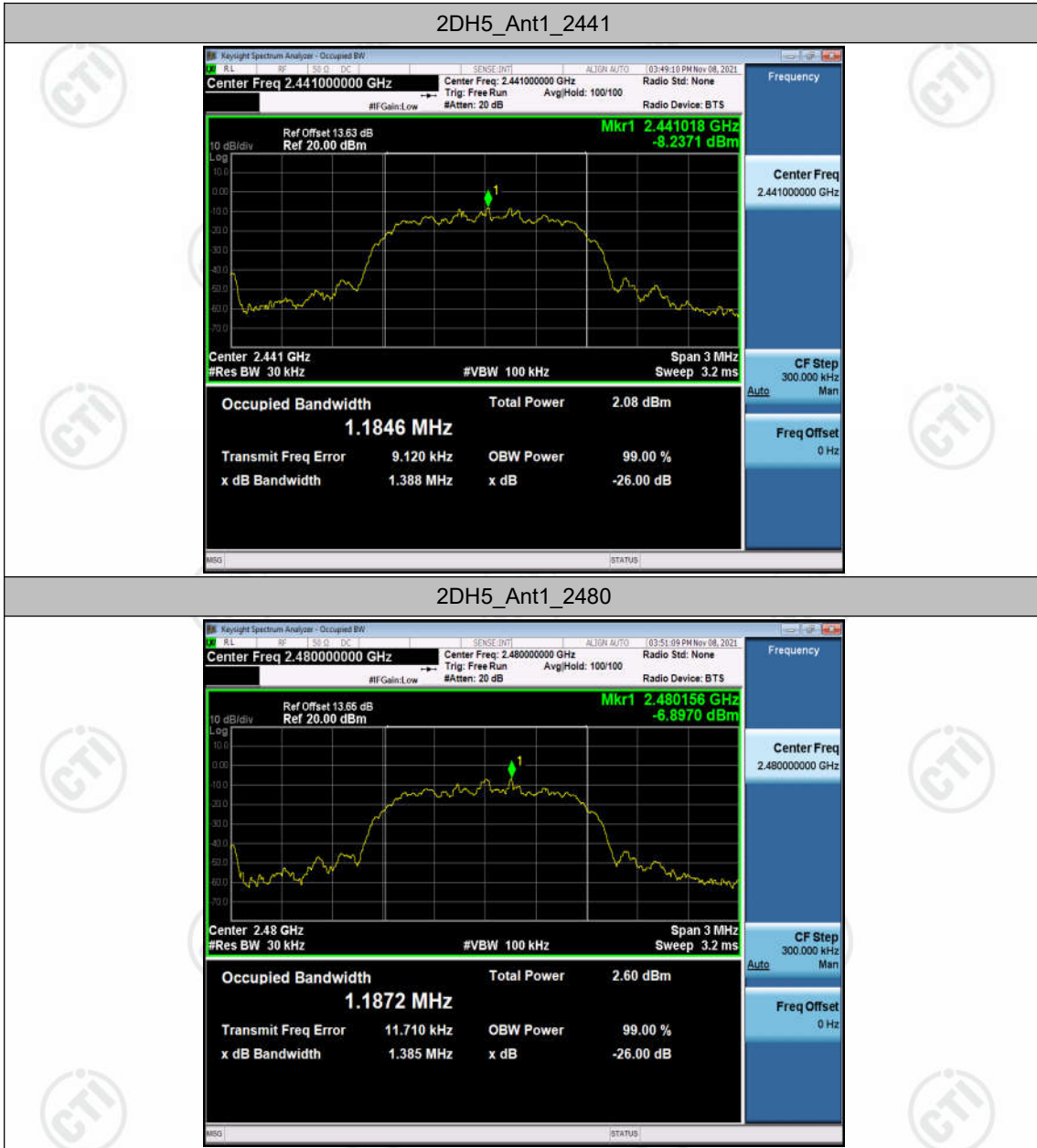
Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86422	2401.574	2402.438	---	PASS
		2441	0.84987	2440.584	2441.434	---	PASS
		2480	0.85775	2479.580	2480.438	---	PASS
2DH5	Ant1	2402	1.1797	2401.421	2402.600	---	PASS
		2441	1.1846	2440.417	2441.601	---	PASS
		2480	1.1872	2479.418	2480.605	---	PASS

Test Graphs



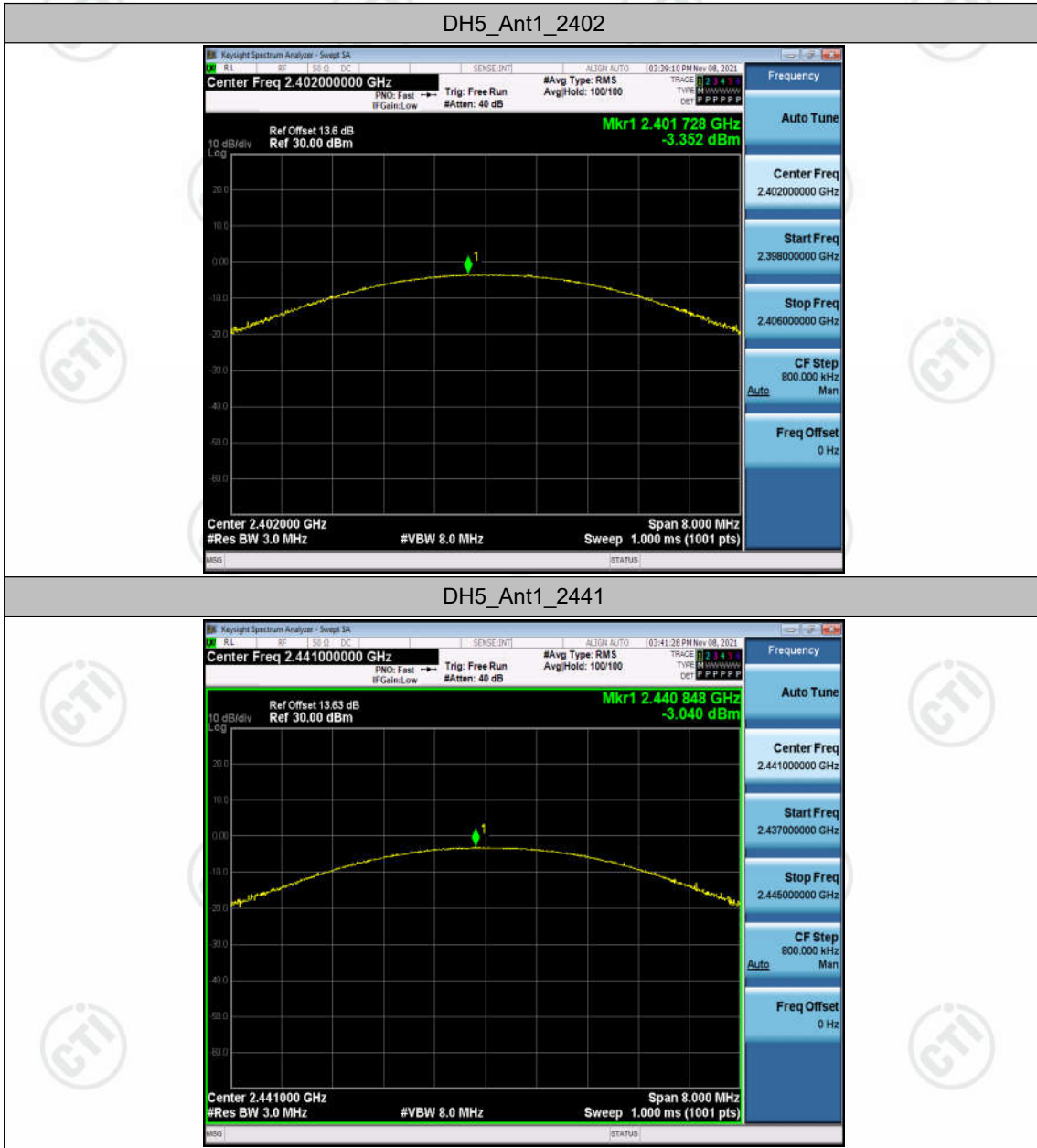


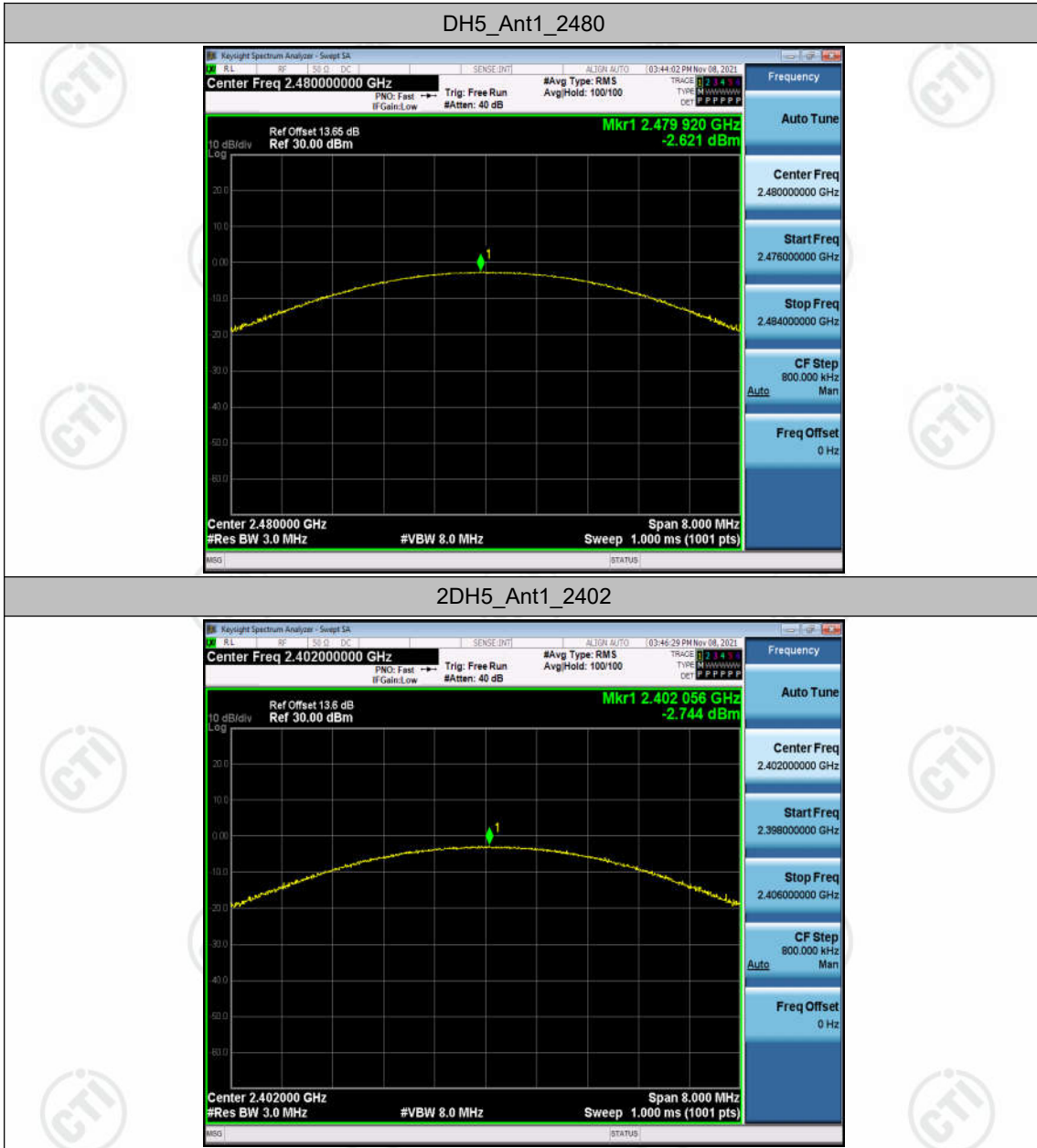


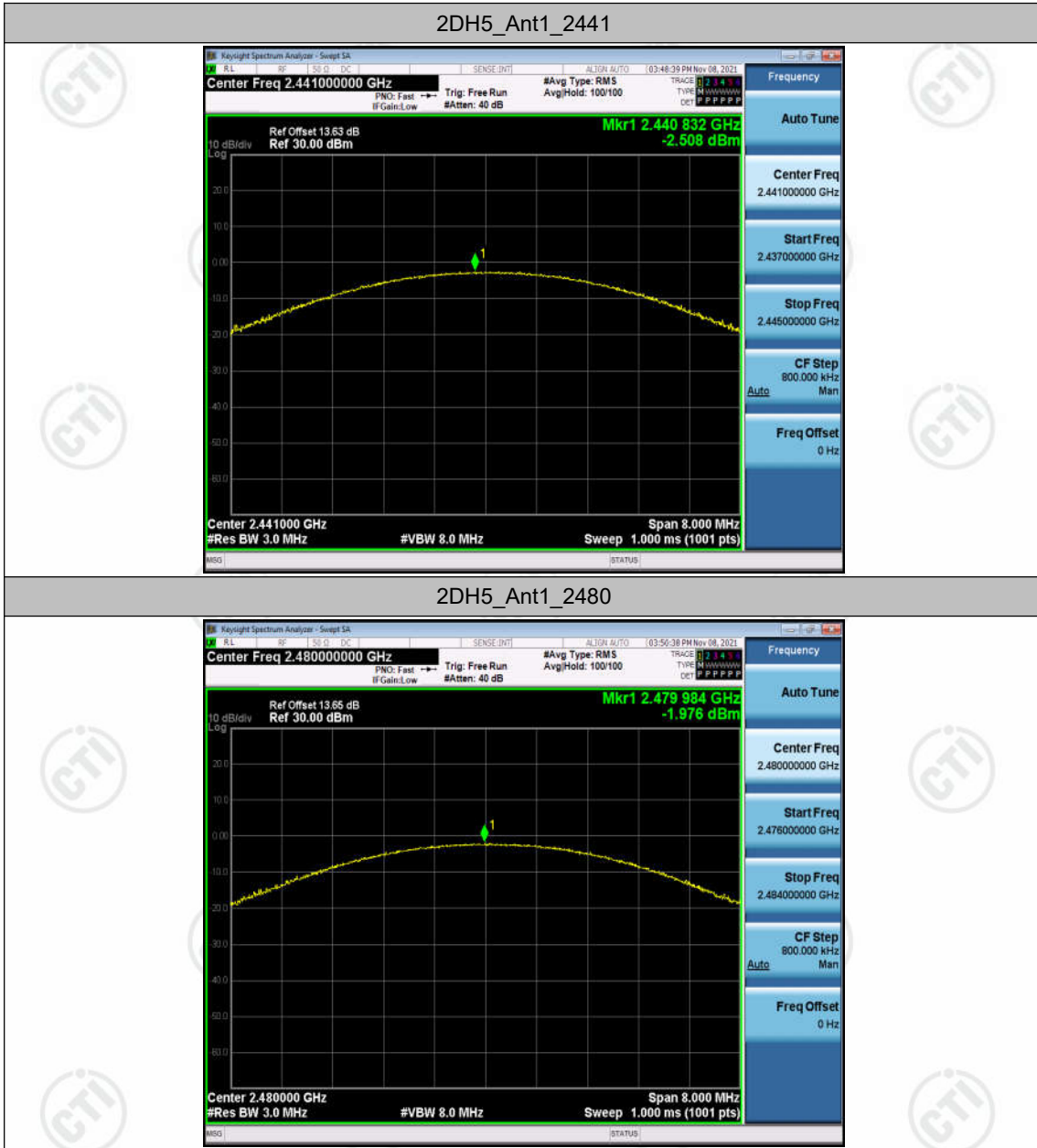
Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.35	<=30	PASS
		2441	-3.04	<=20.97	PASS
		2480	-2.62	<=20.97	PASS
2DH5	Ant1	2402	-2.74	<=30	PASS
		2441	-2.51	<=20.97	PASS
		2480	-1.98	<=20.97	PASS

Test Graphs



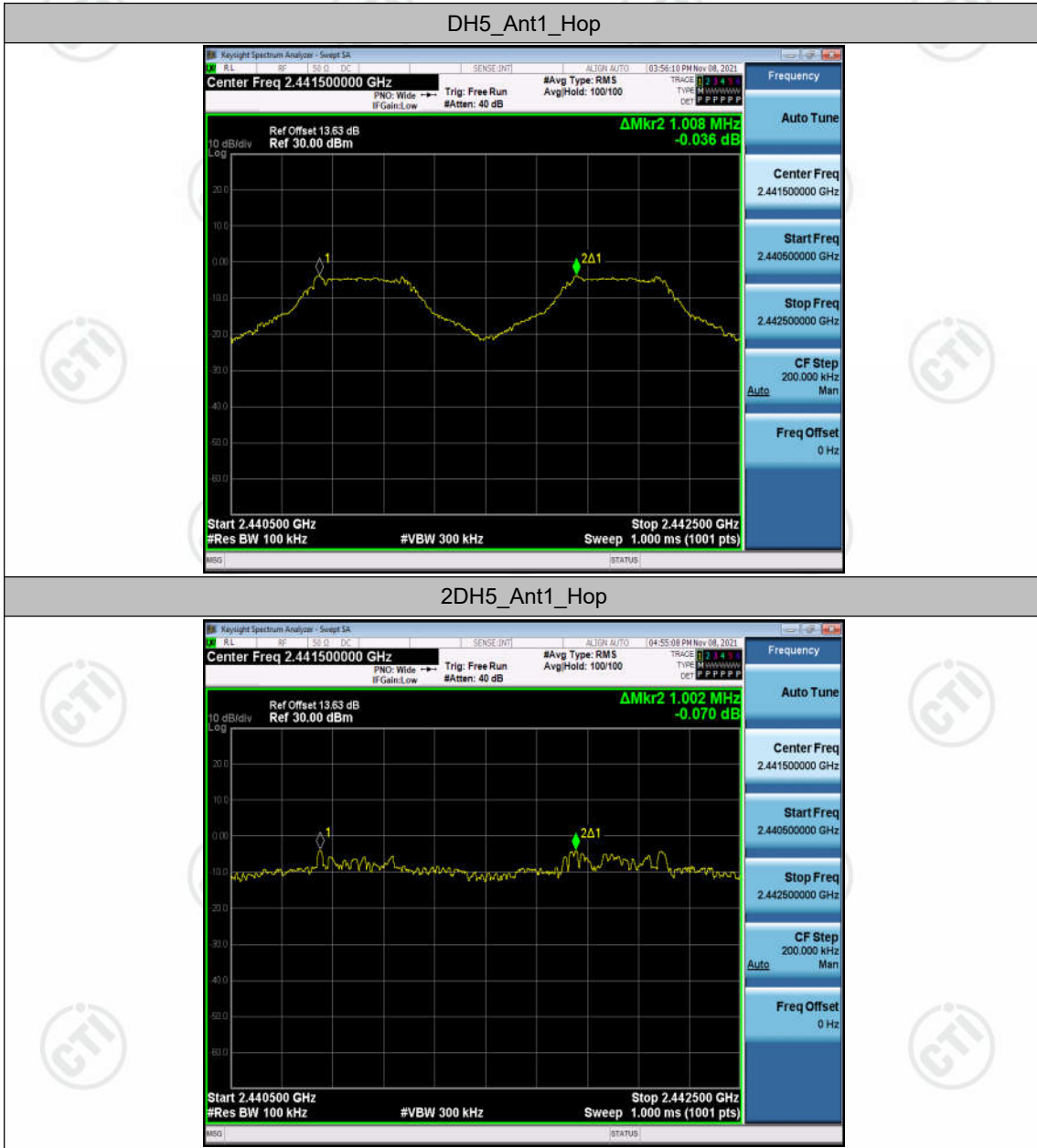




Appendix D: Carrier frequency separation**Test Result**

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.960	PASS
2DH5	Ant1	Hop	1.002	≥ 0.876	PASS

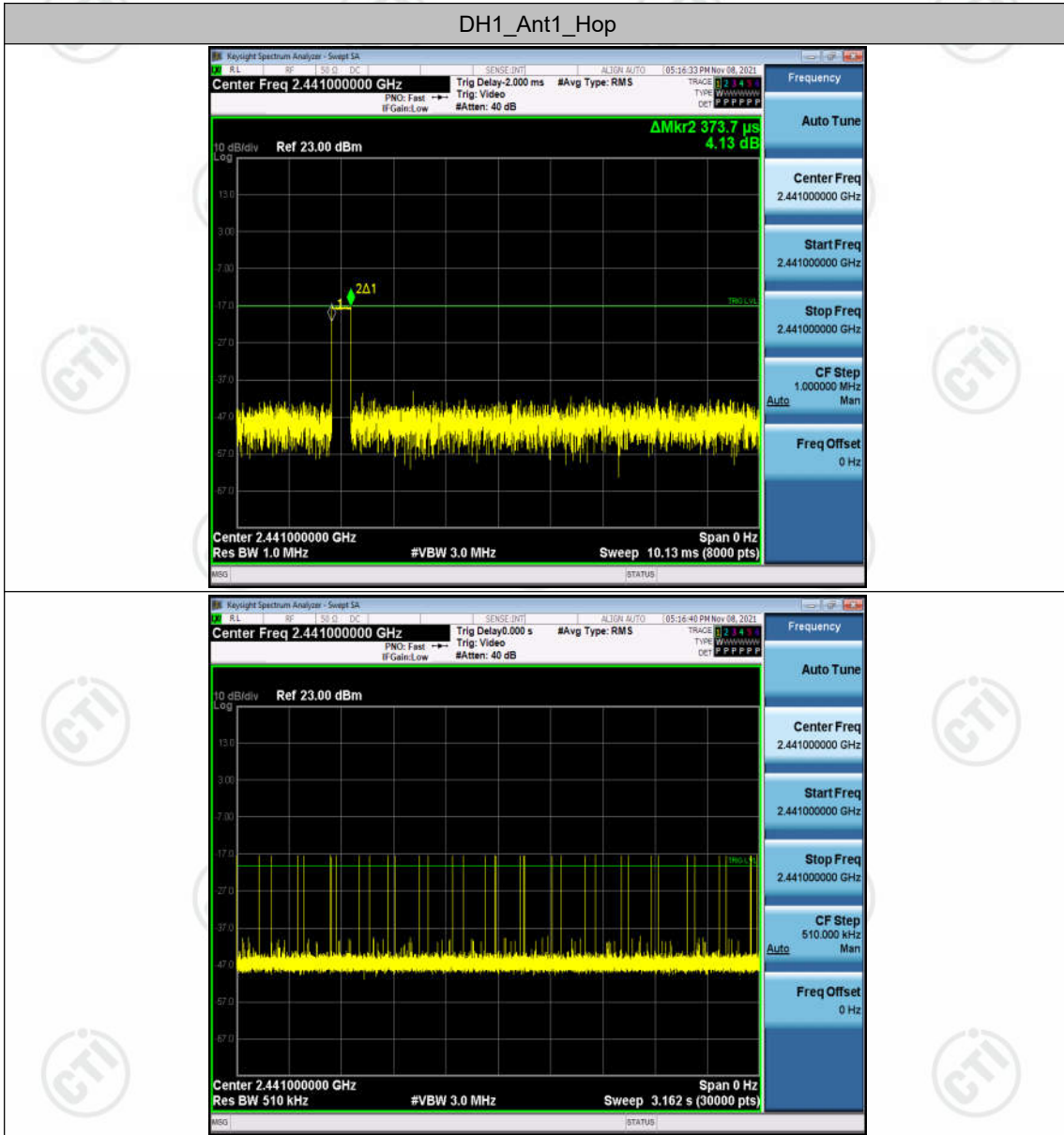
Test Graphs

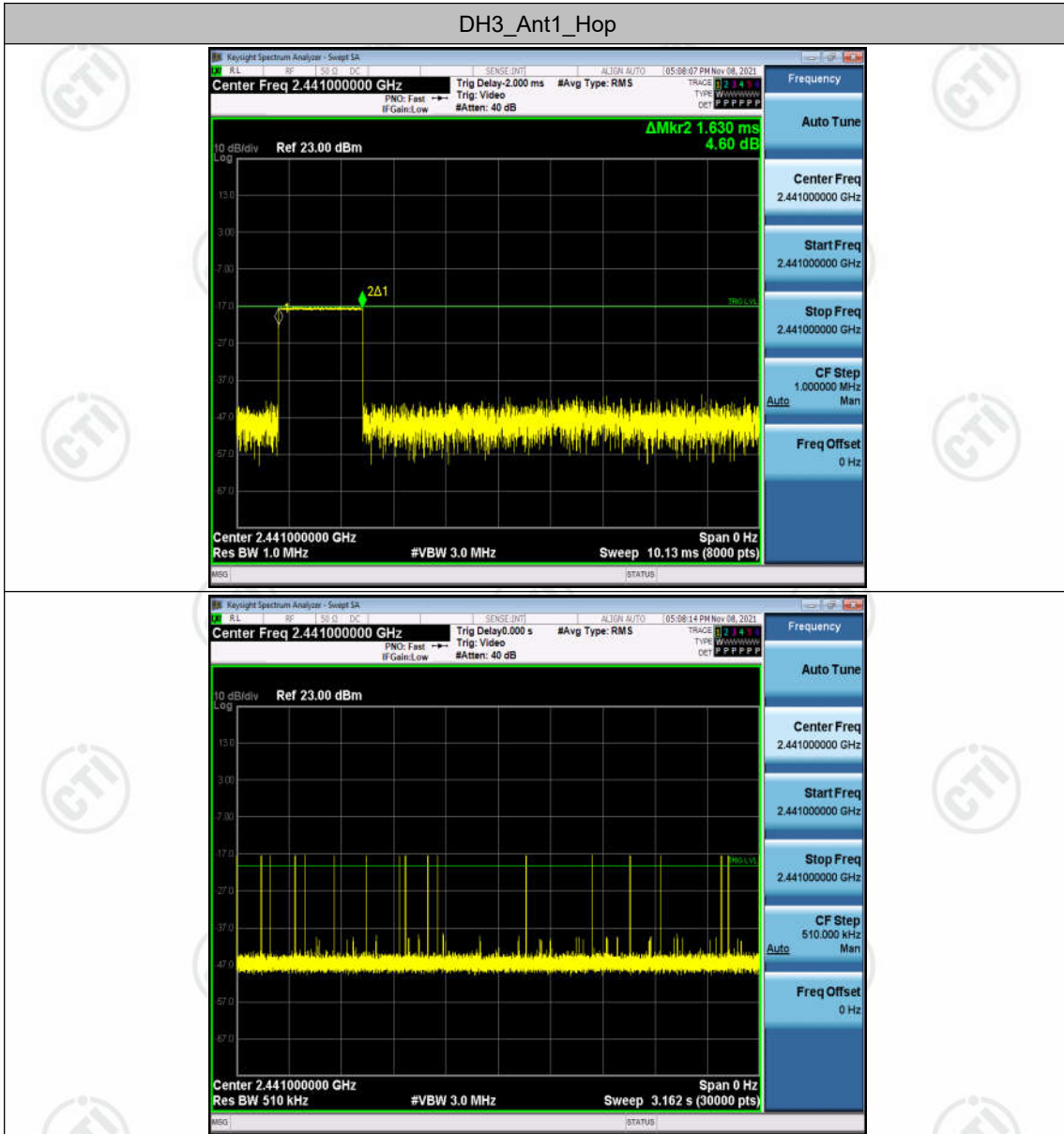


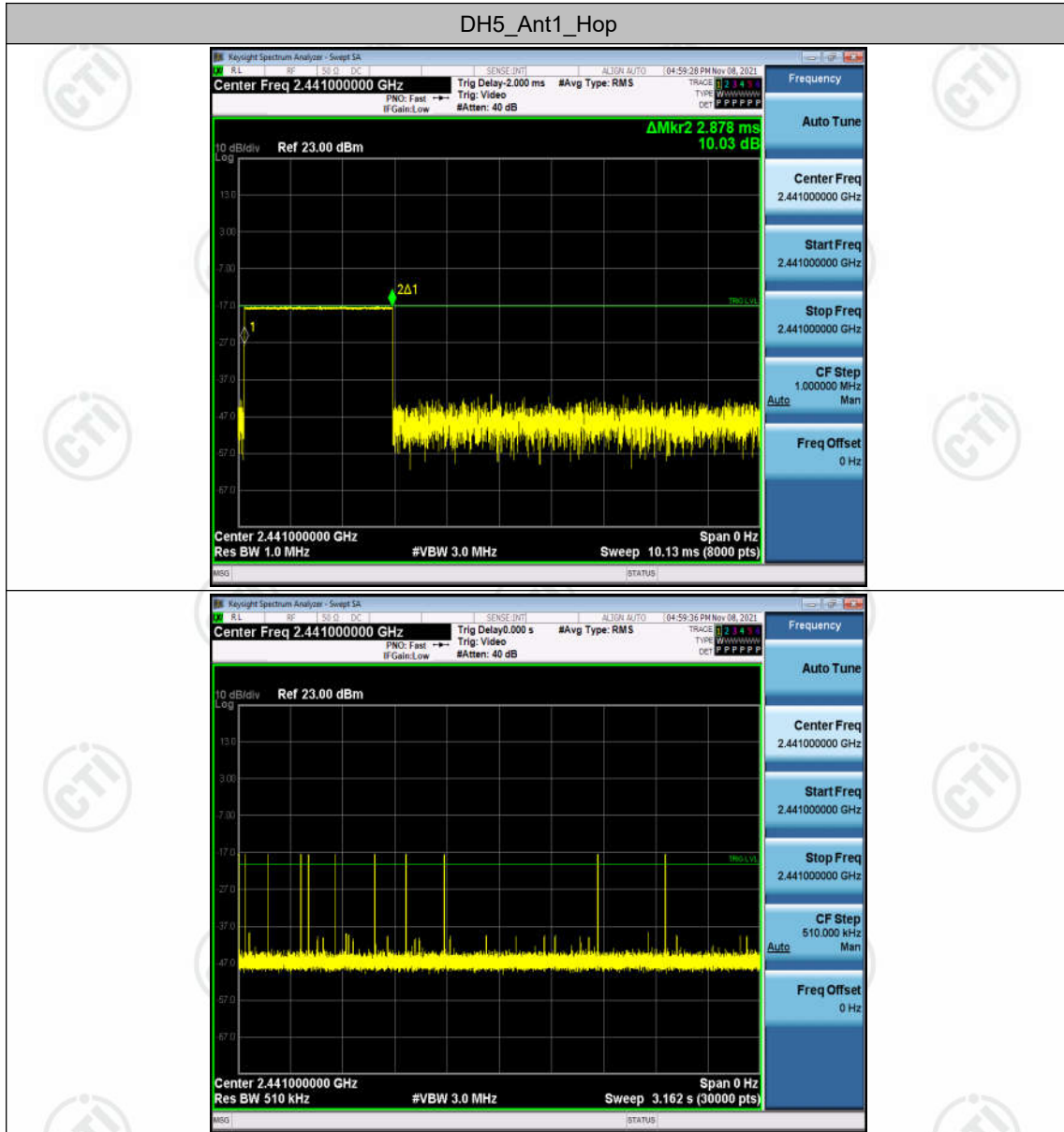
Appendix E: Time of occupancy**Test Result**

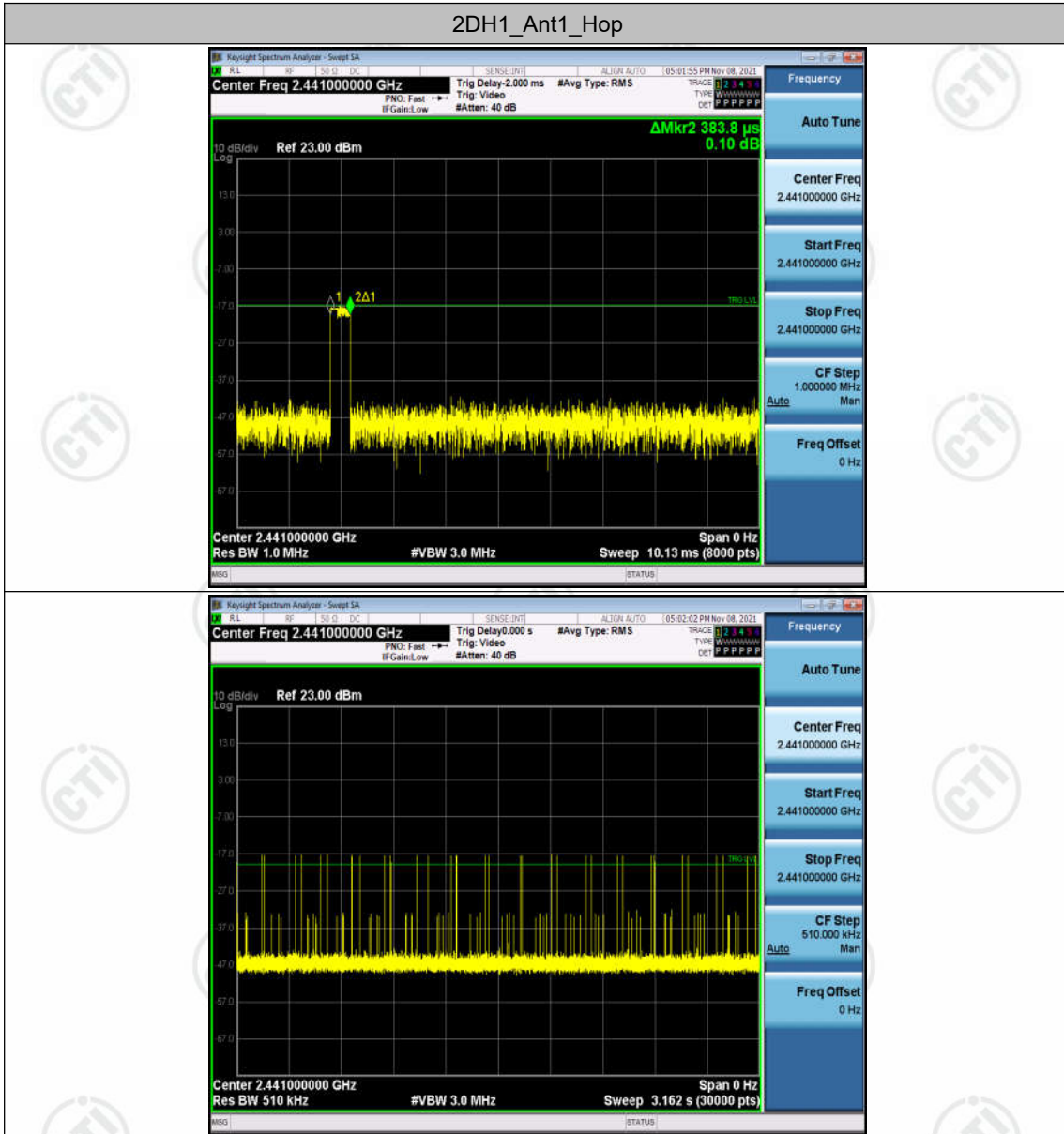
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.123	<=0.4	PASS
DH3	Ant1	Hop	1.63	180	0.293	<=0.4	PASS
DH5	Ant1	Hop	2.88	110	0.317	<=0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.127	<=0.4	PASS
2DH3	Ant1	Hop	1.64	180	0.295	<=0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	<=0.4	PASS

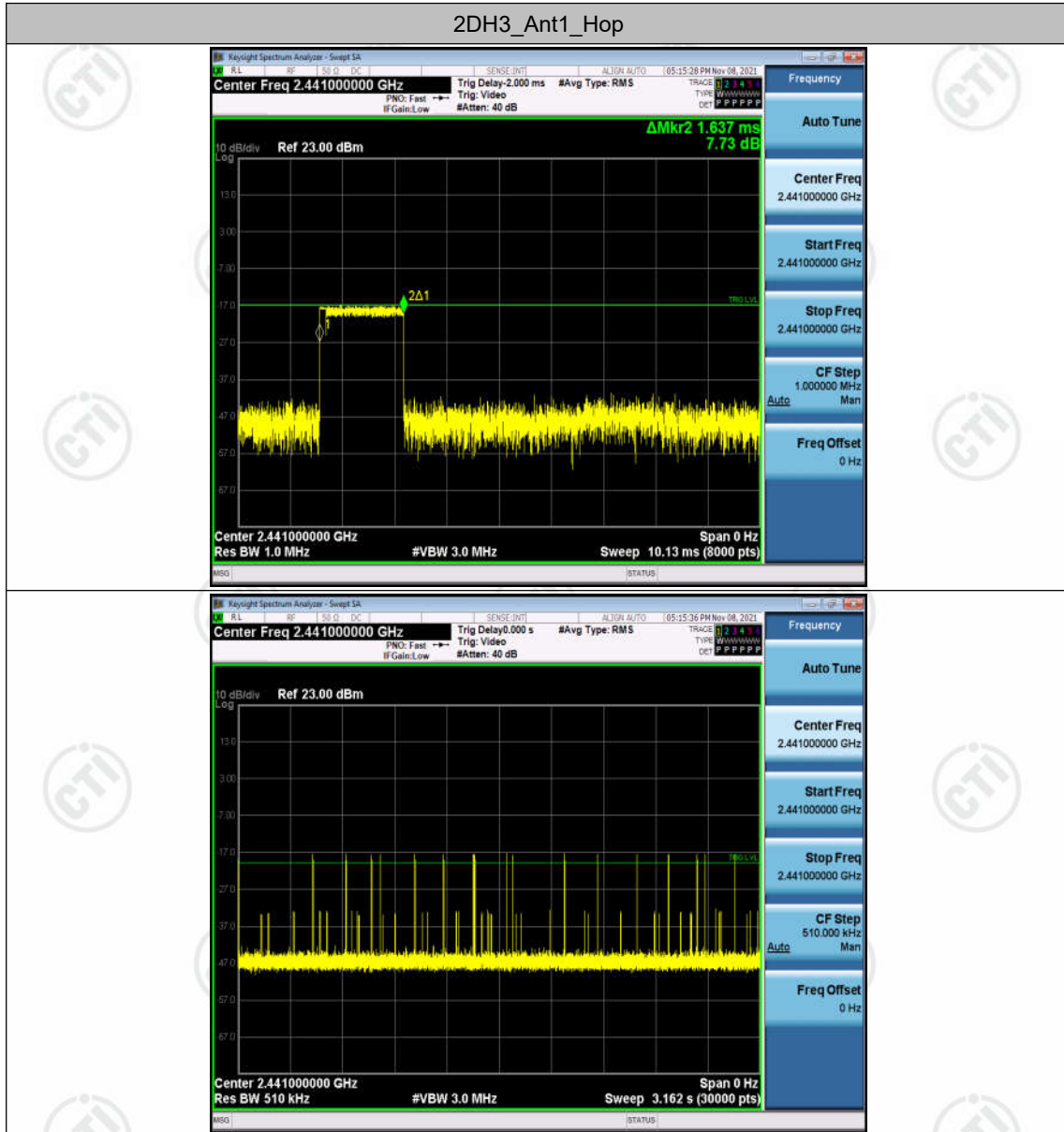
Test Graphs

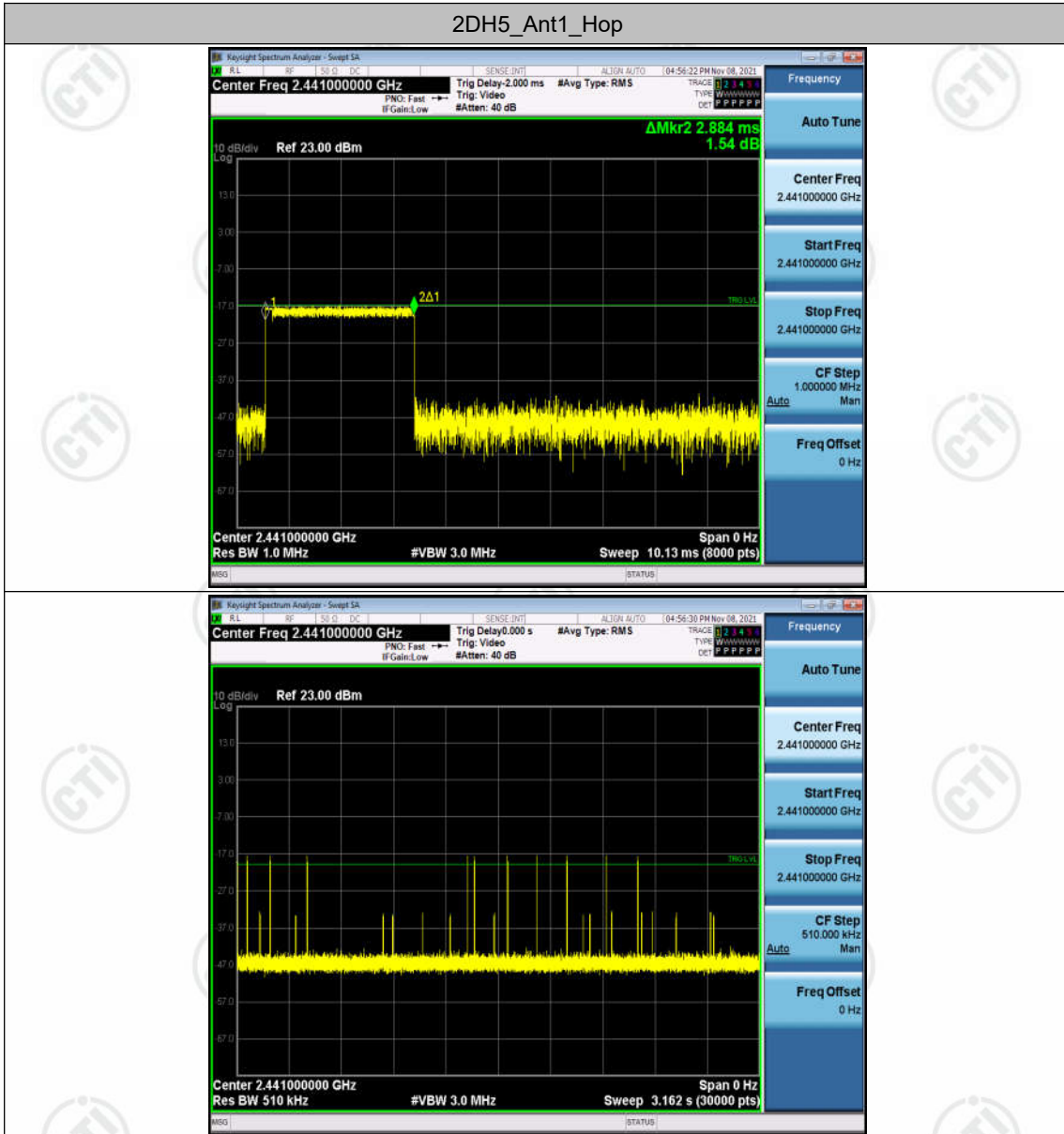








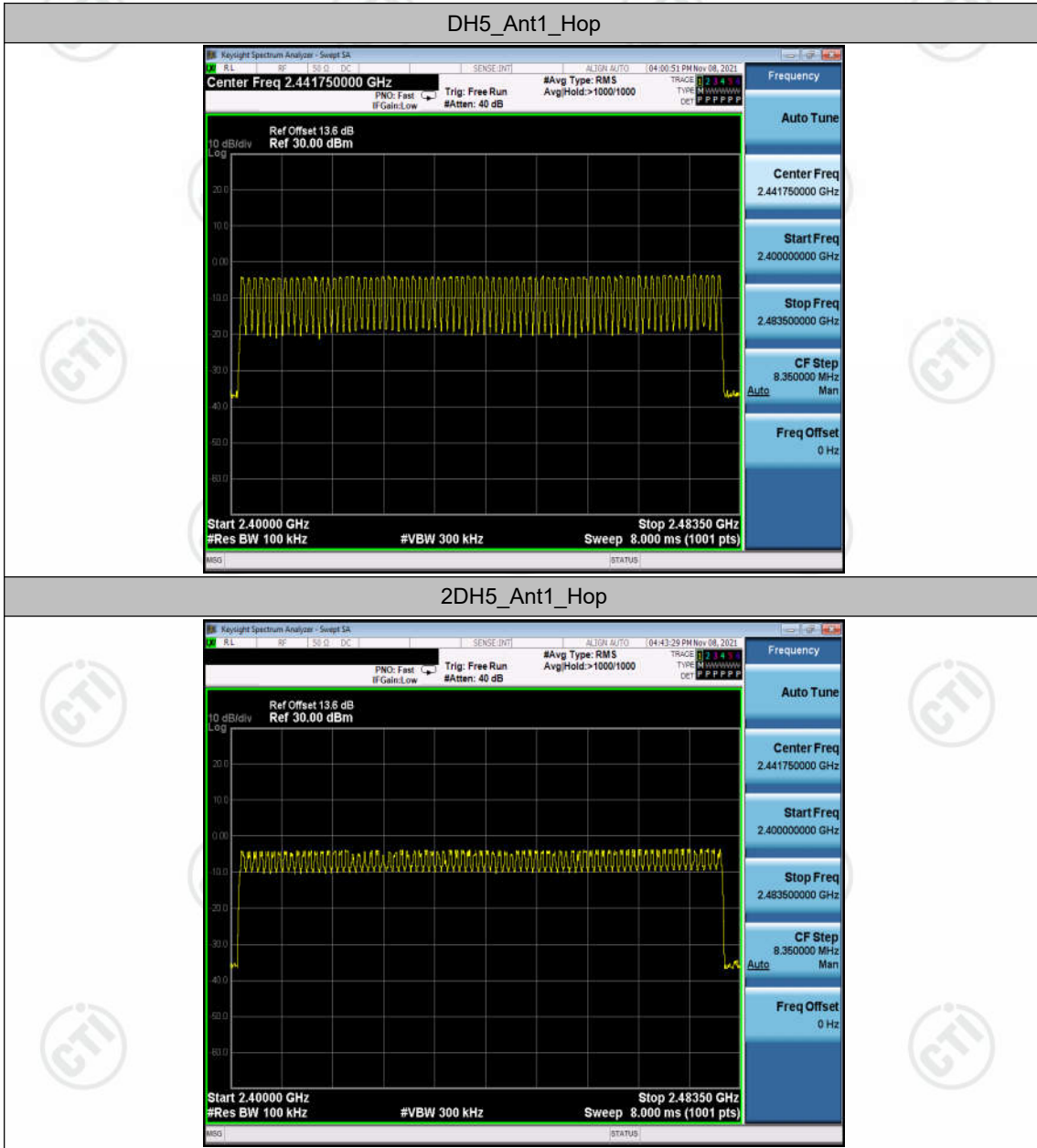




Appendix F: Number of hopping channels**Test Result**

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS

Test Graphs

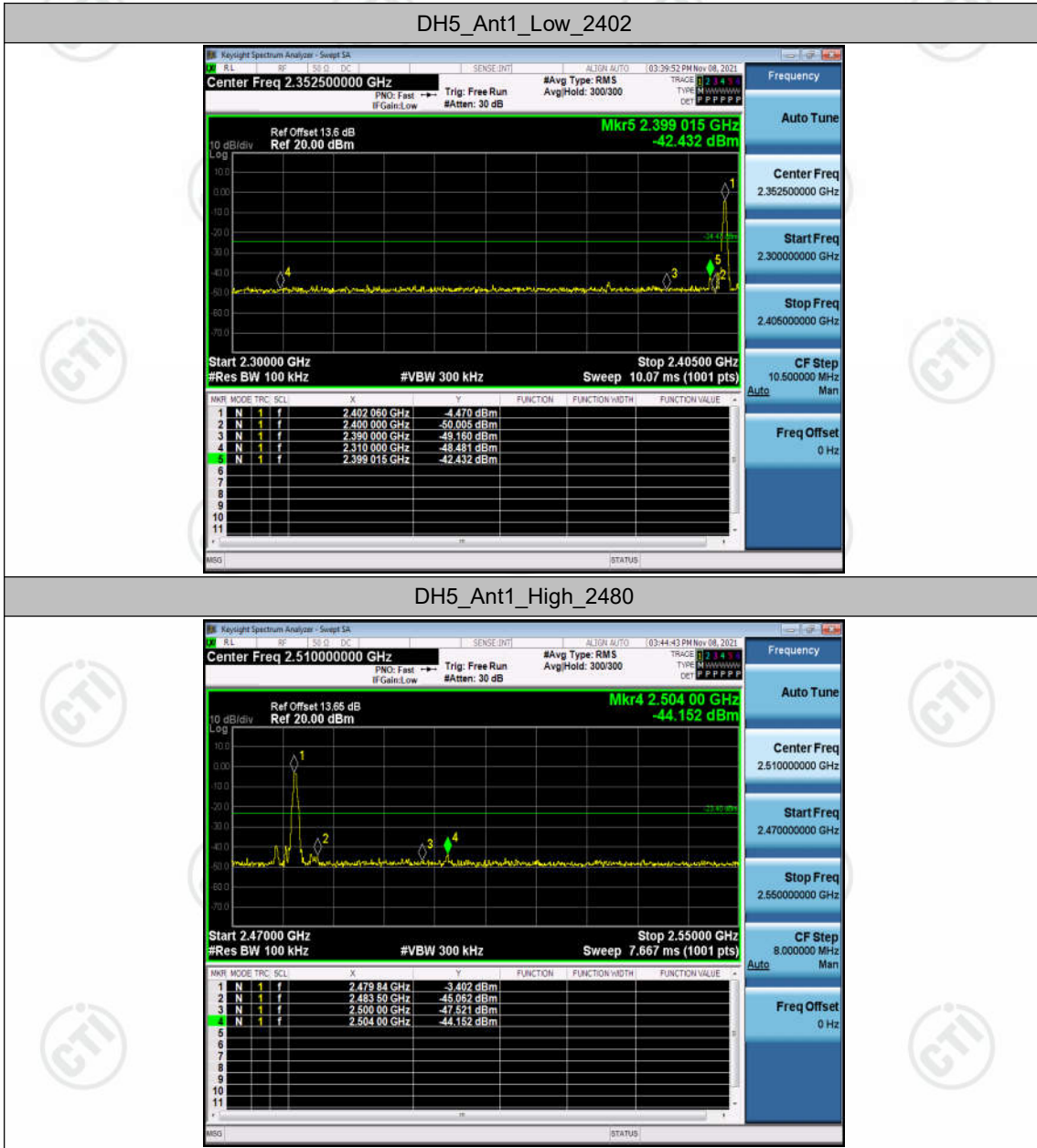


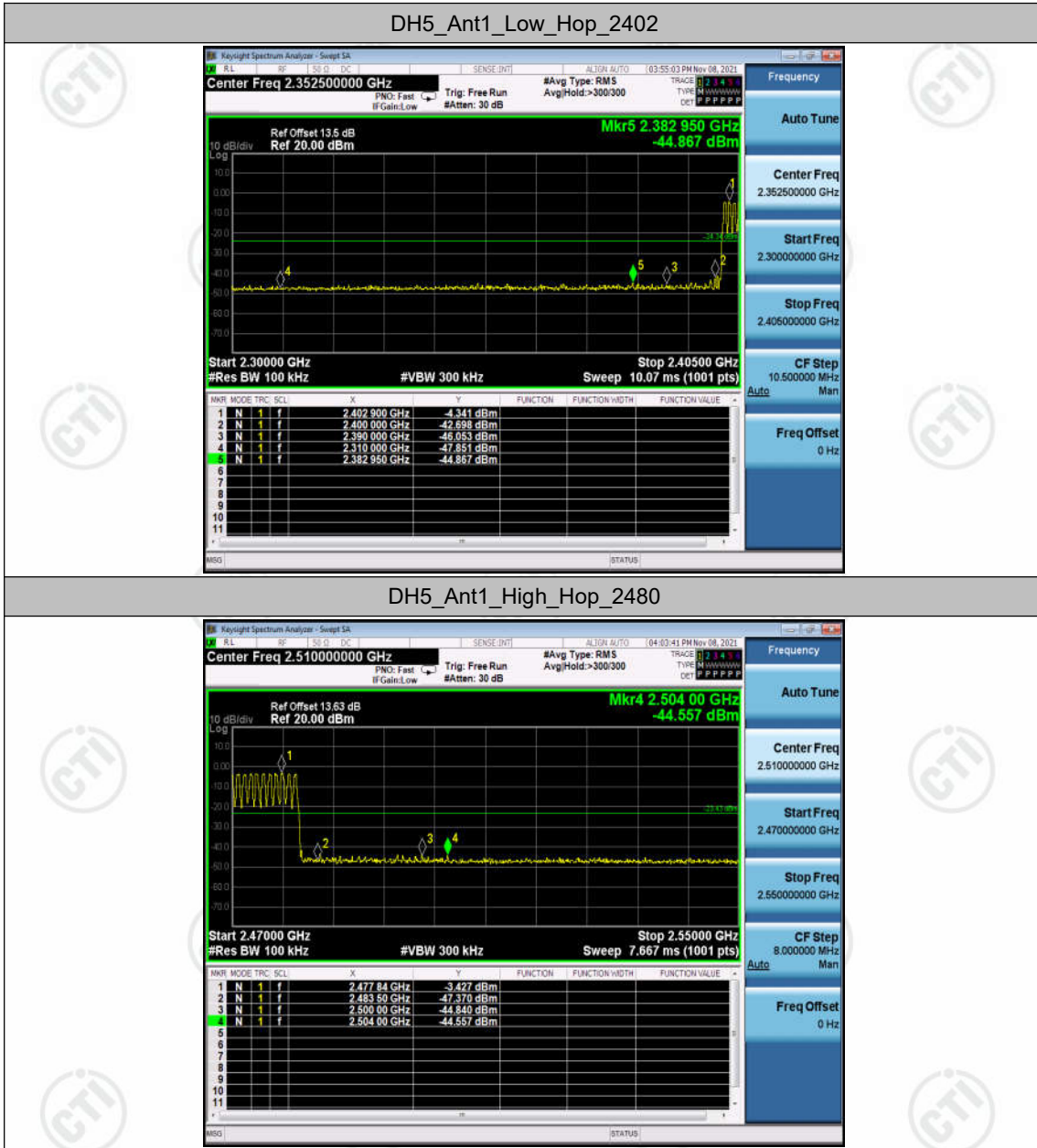
Appendix G: Band edge measurements

Test Result

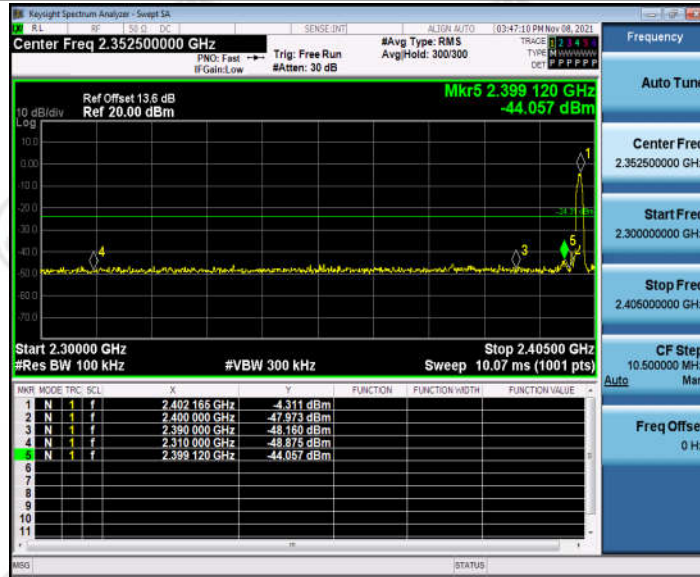
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.47	-42.43	<=-24.47	PASS
		High	2480	-3.40	-44.15	<=-23.4	PASS
		Low	Hop_2402	-4.34	-44.87	<=-24.34	PASS
		High	Hop_2480	-3.43	-44.56	<=-23.43	PASS
2DH5	Ant1	Low	2402	-4.31	-44.06	<=-24.31	PASS
		High	2480	-3.53	-44.04	<=-23.53	PASS
		Low	Hop_2402	-4.44	-44.45	<=-24.44	PASS
		High	Hop_2480	-3.52	-45.14	<=-23.52	PASS

Test Graphs

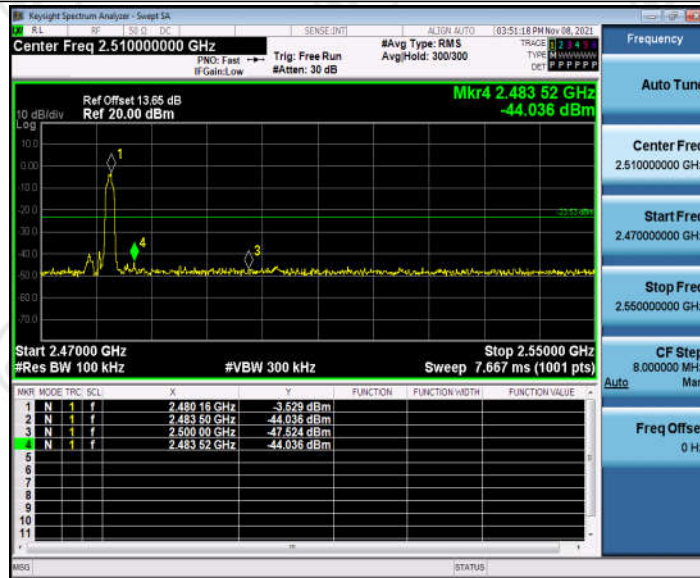


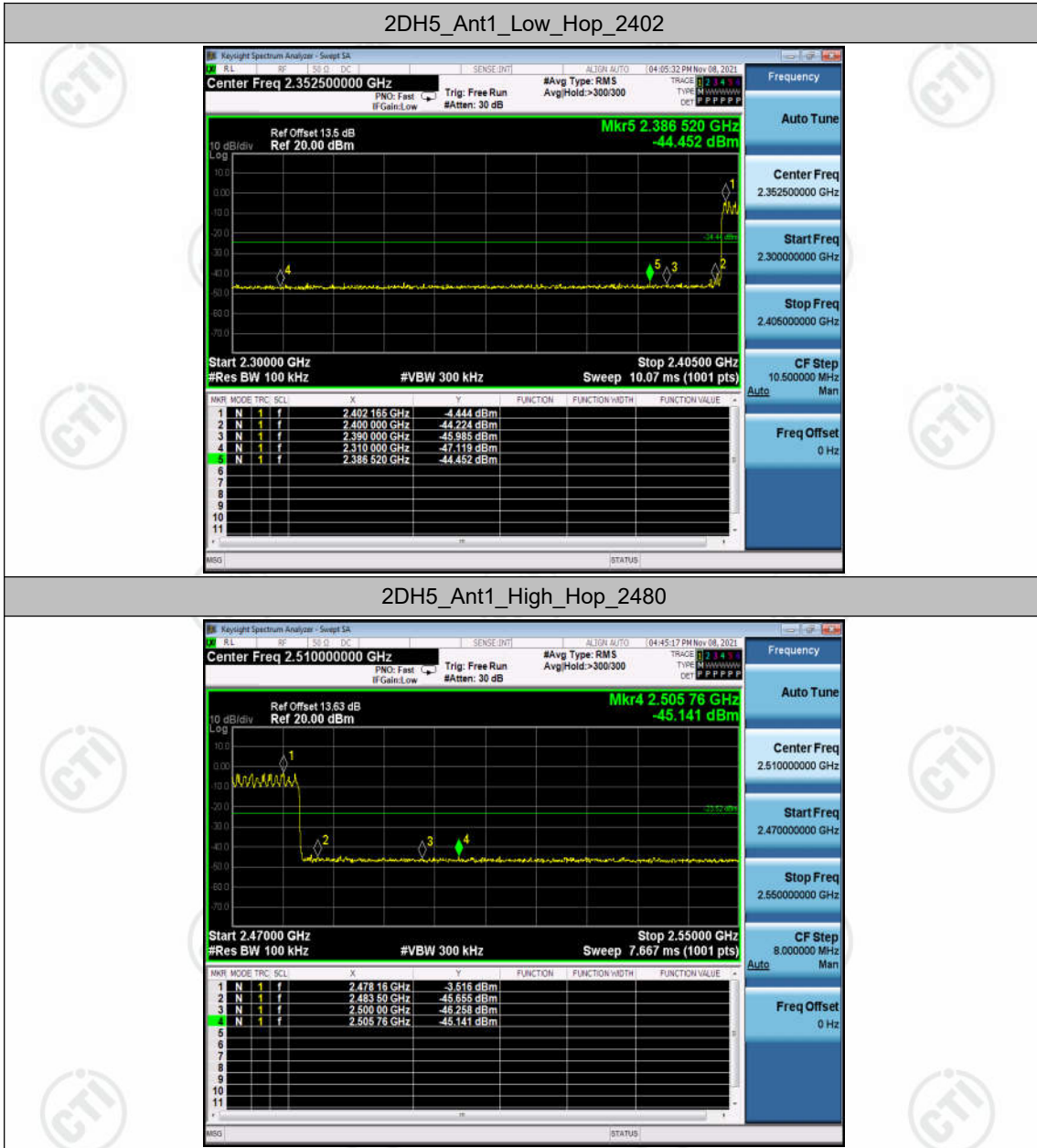


2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



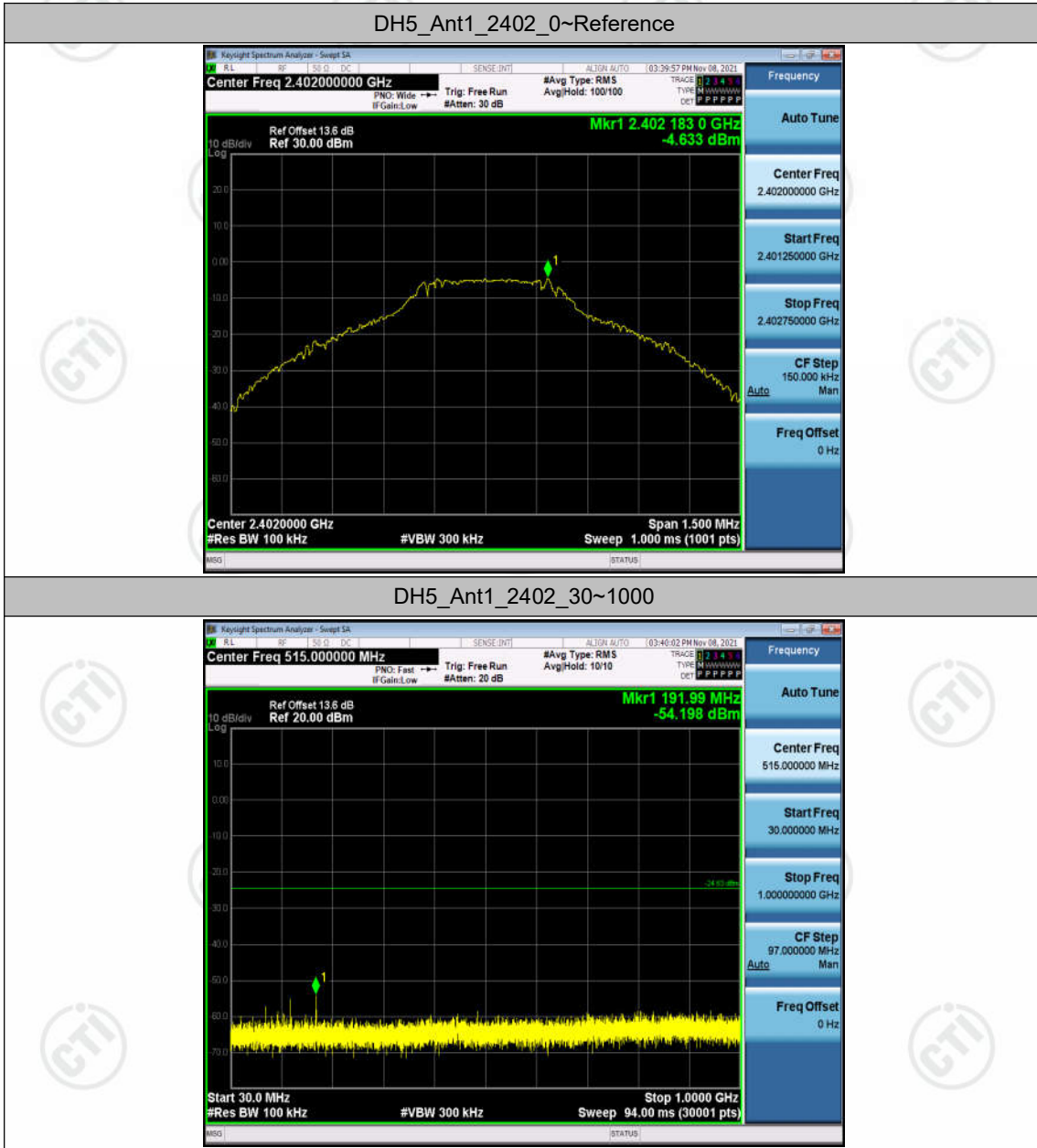


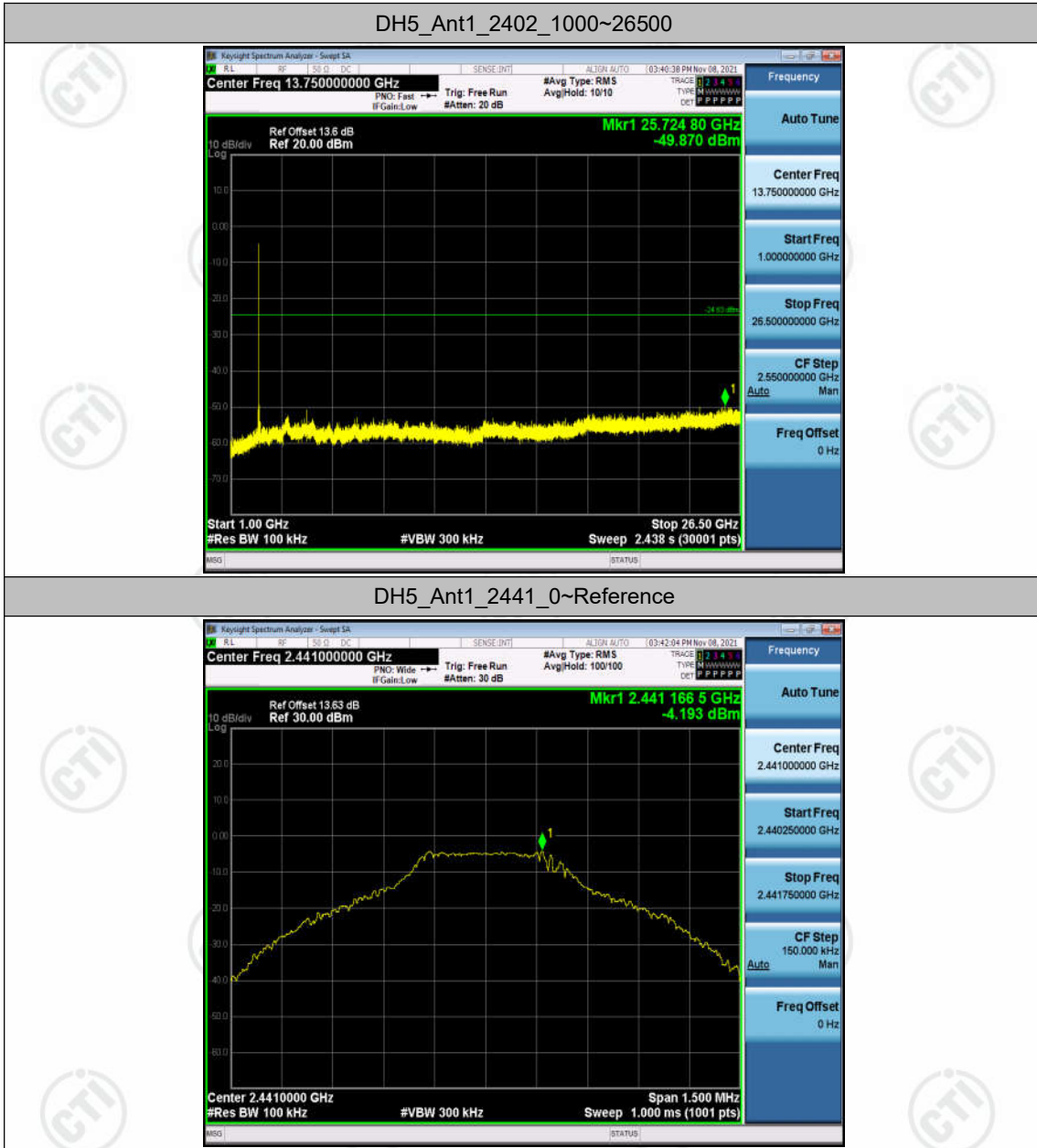
Appendix H: Conducted Spurious Emission

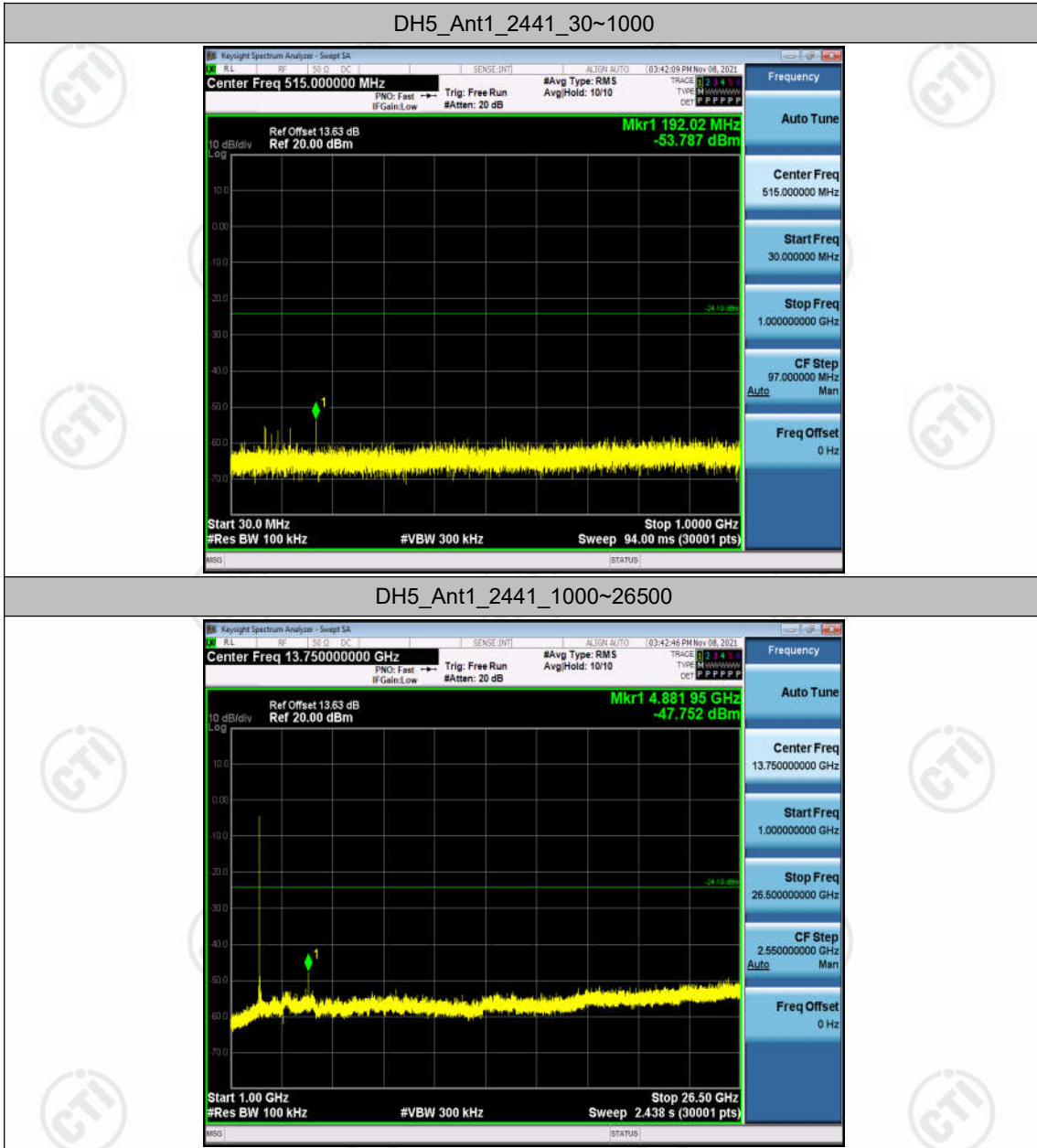
Test Result

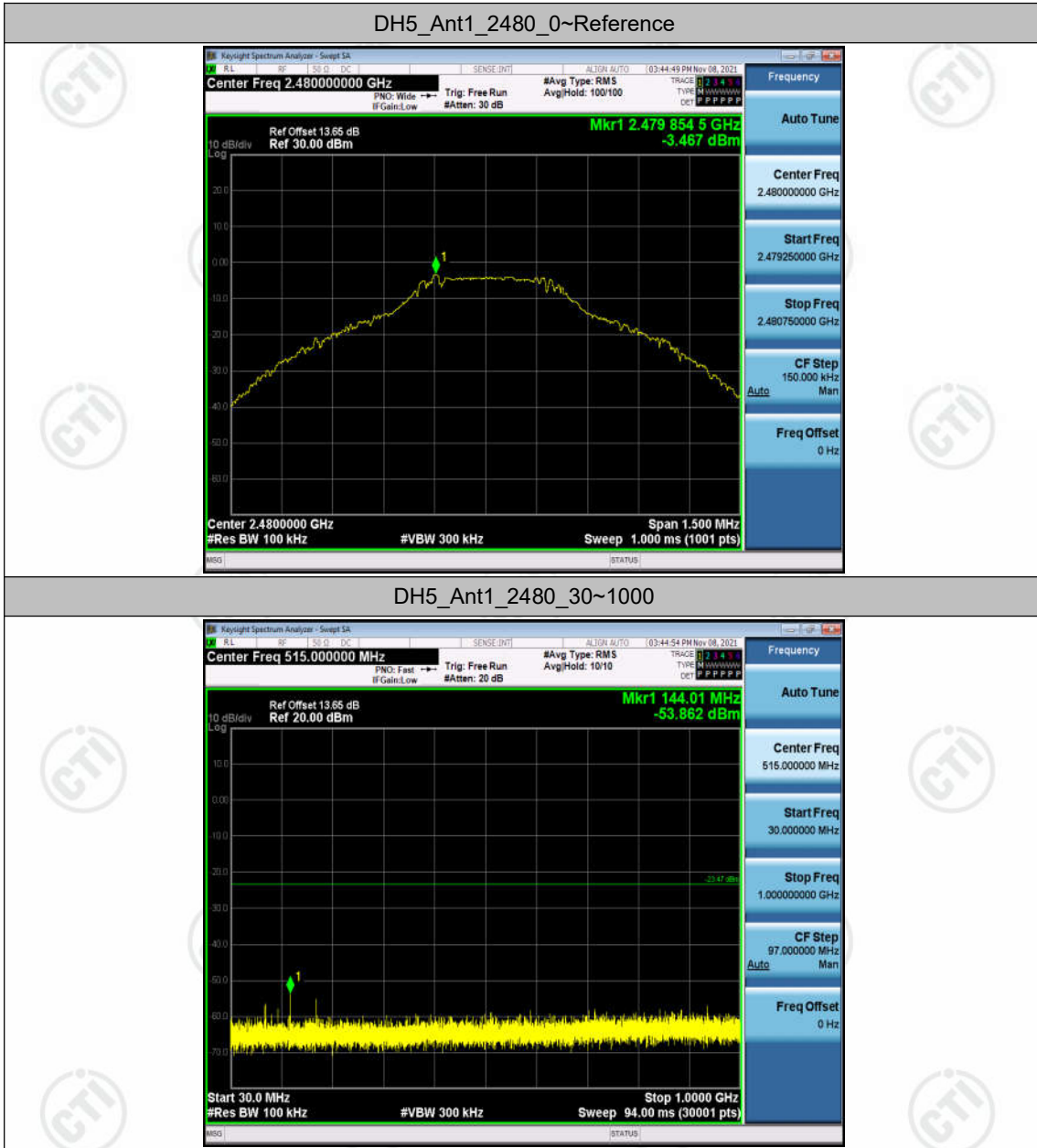
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.63	-4.63	---	PASS
			30~1000	---	-54.198	<=-24.633	PASS
			1000~26500	---	-49.87	<=-24.633	PASS
		2441	Reference	-4.19	-4.19	---	PASS
			30~1000	---	-53.787	<=-24.193	PASS
			1000~26500	---	-47.752	<=-24.193	PASS
		2480	Reference	-3.47	-3.47	---	PASS
			30~1000	---	-53.862	<=-23.467	PASS
			1000~26500	---	-48.562	<=-23.467	PASS
2DH5	Ant1	2402	Reference	-4.35	-4.35	---	PASS
			30~1000	---	-53.233	<=-24.354	PASS
			1000~26500	---	-48.761	<=-24.354	PASS
		2441	Reference	-4.83	-4.83	---	PASS
			30~1000	---	-52.838	<=-24.828	PASS
			1000~26500	---	-48.82	<=-24.828	PASS
		2480	Reference	-3.56	-3.56	---	PASS
			30~1000	---	-51.424	<=-23.563	PASS
			1000~26500	---	-48.993	<=-23.563	PASS

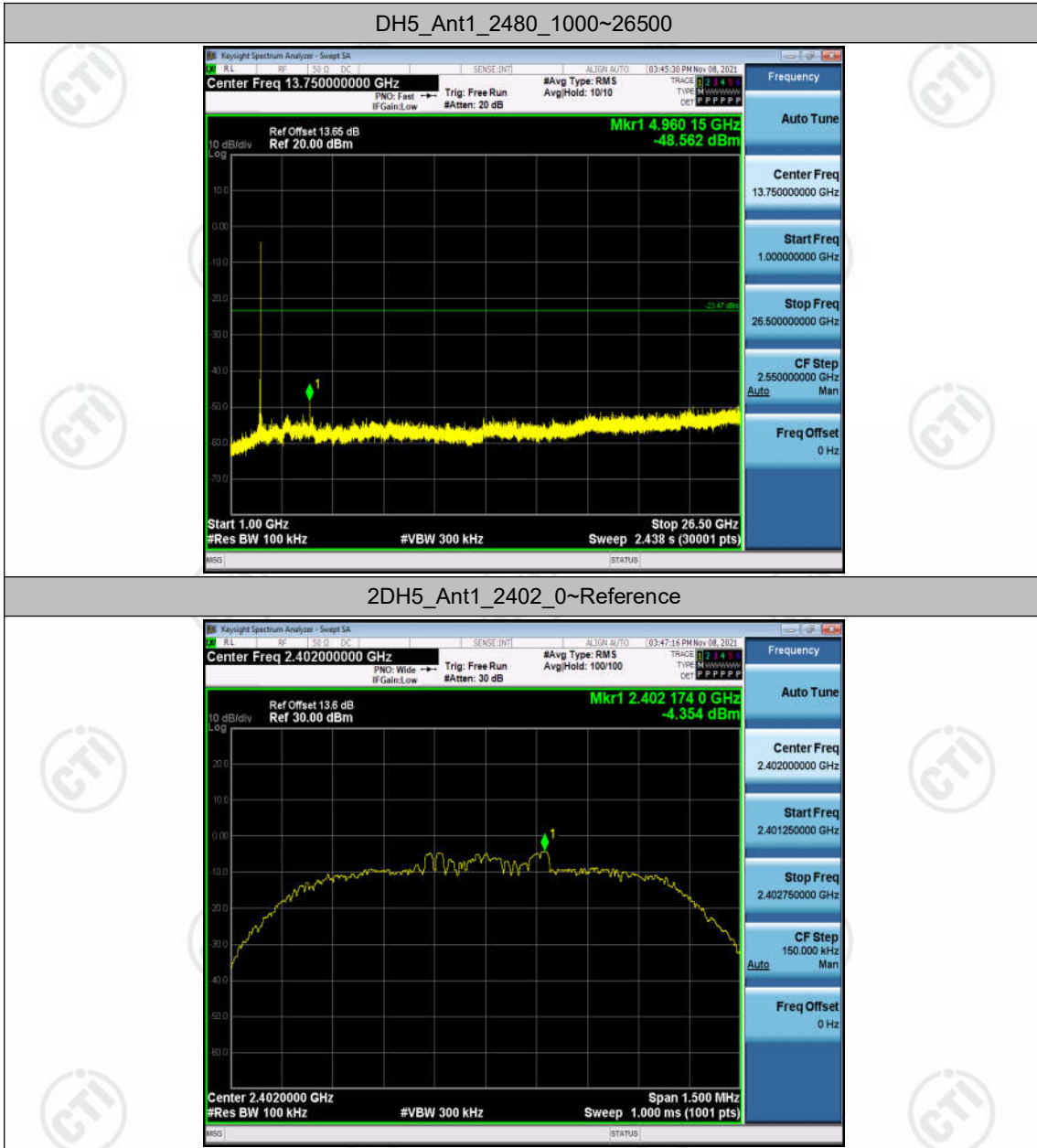
Test Graphs

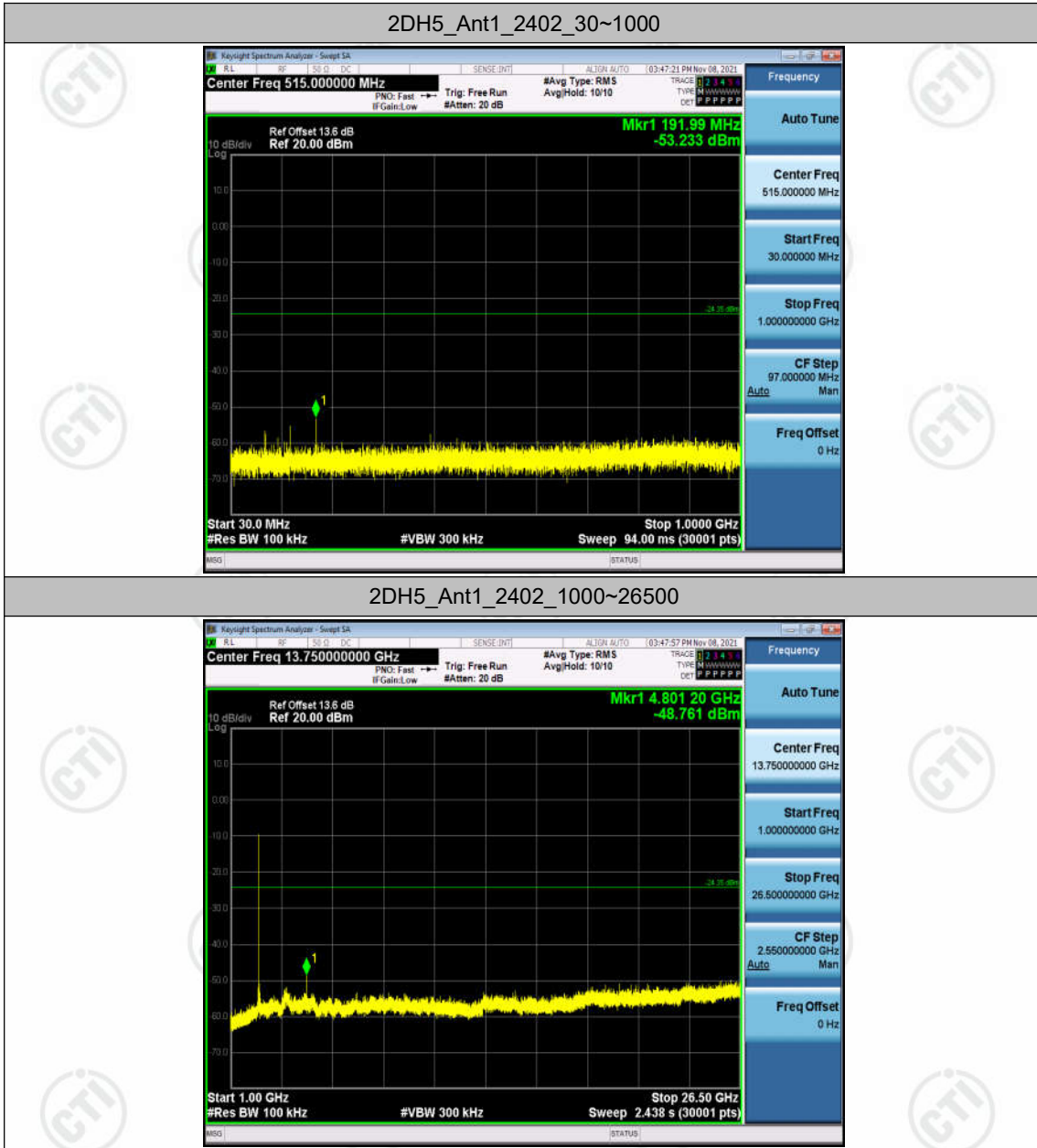


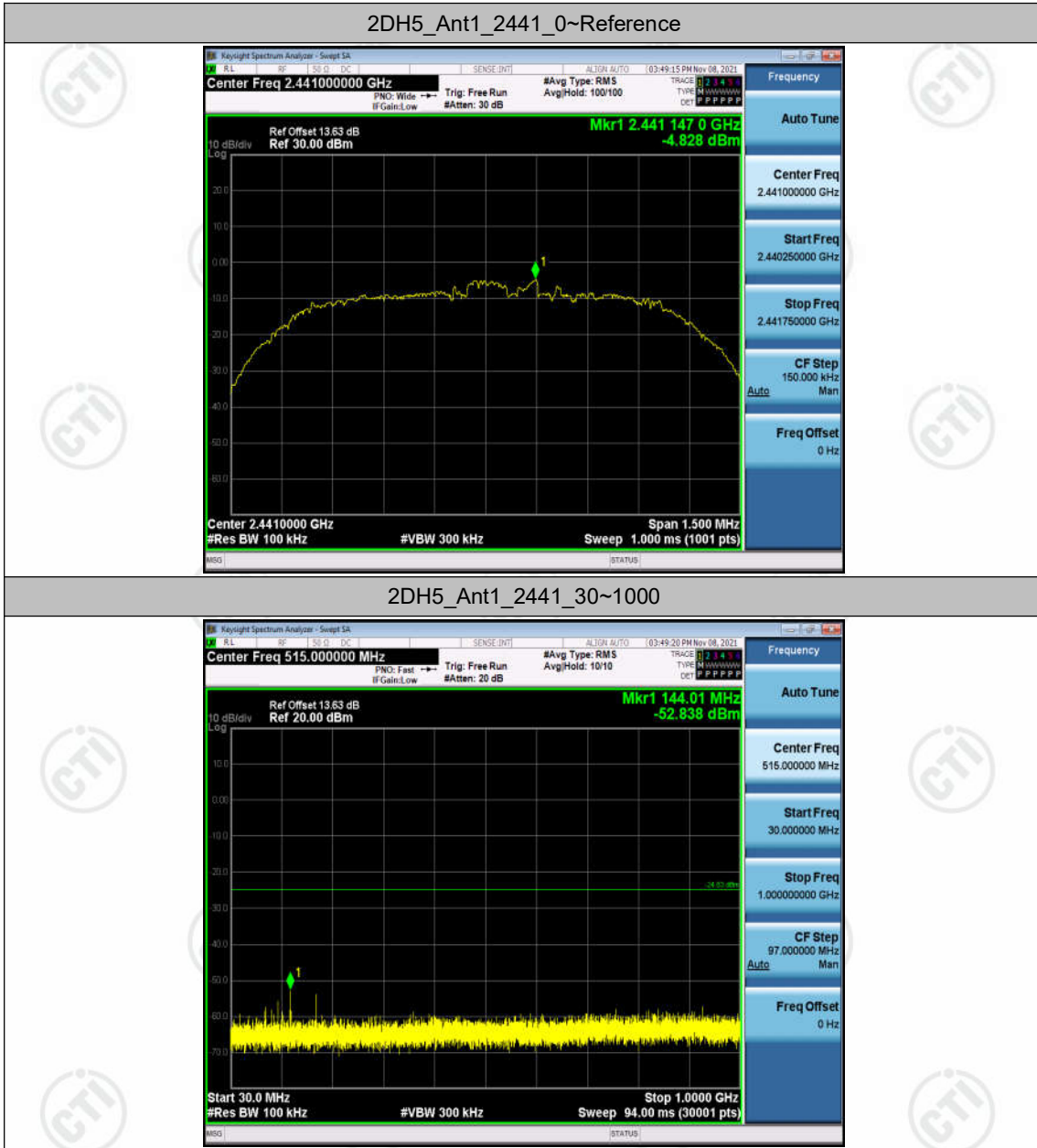


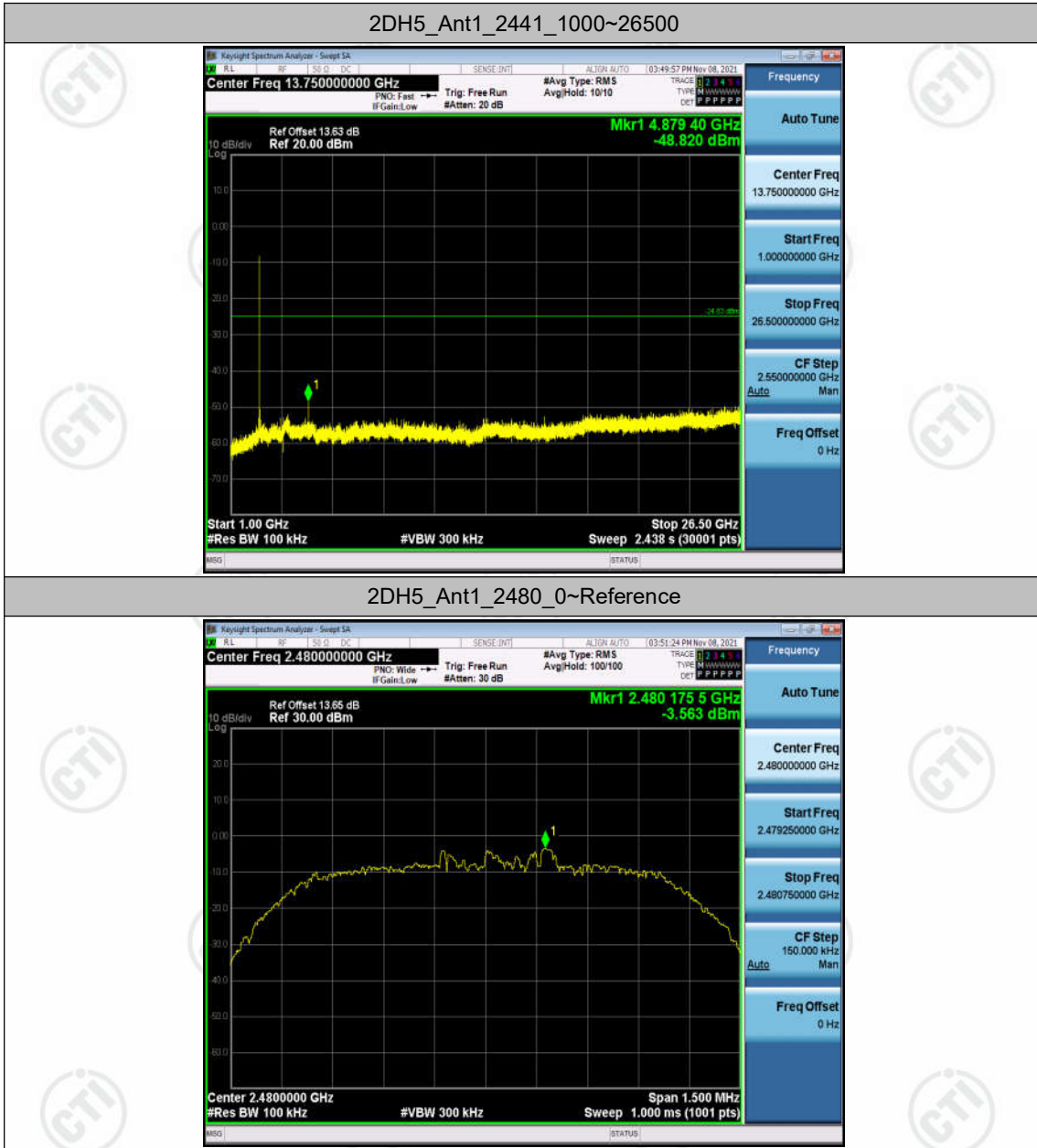


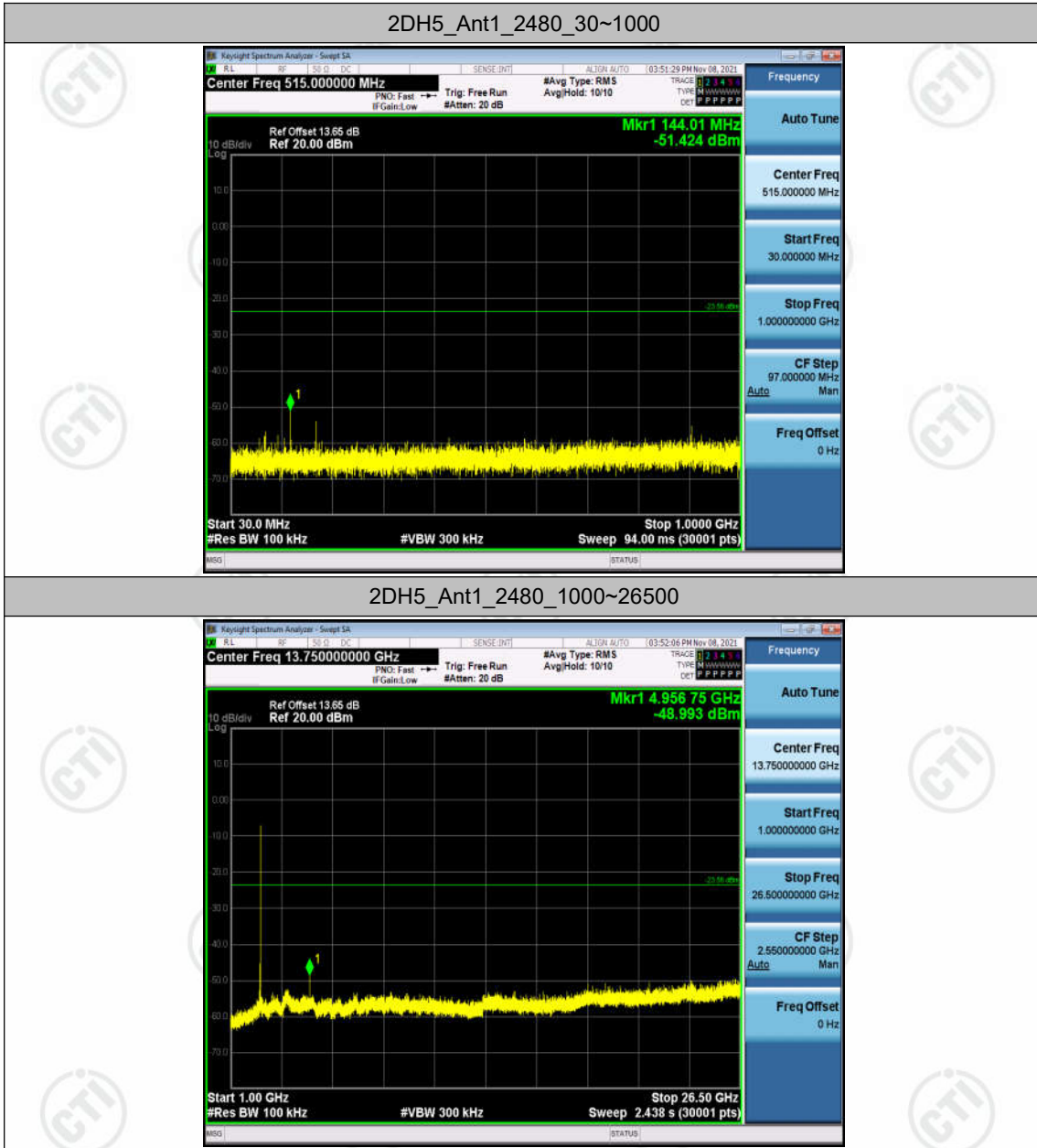








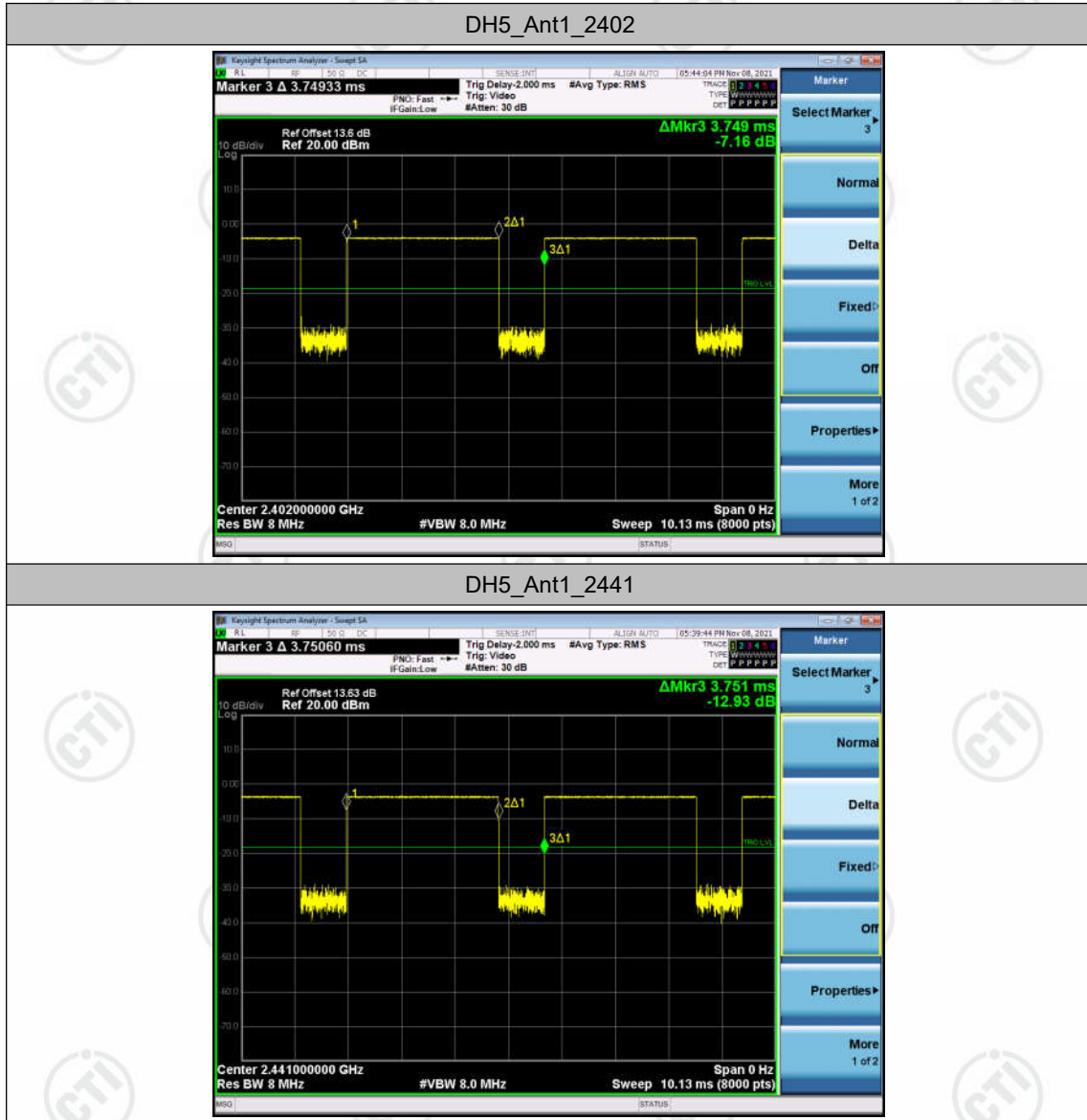


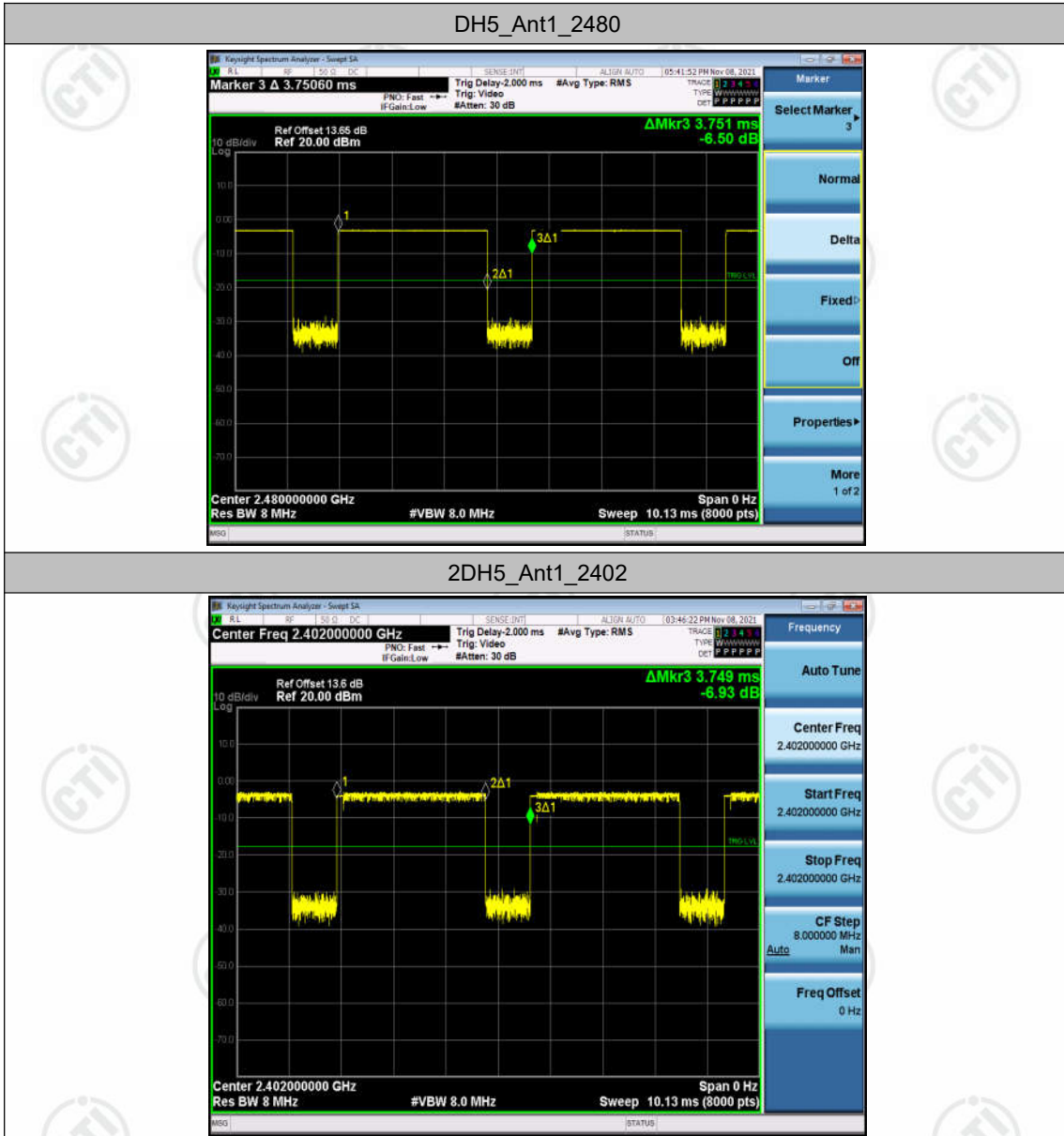


Appendix I: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	76.89	---	PASS
		2441	2.88	3.75	76.89	---	PASS
		2480	2.88	3.75	76.89	---	PASS
2DH5	Ant1	2402	2.88	3.75	76.89	---	PASS
		2441	2.88	3.75	76.89	---	PASS
		2480	2.88	3.75	76.89	---	PASS

Test Graphs







*** End of Report ***