

Appendix: Bluetooth Classic

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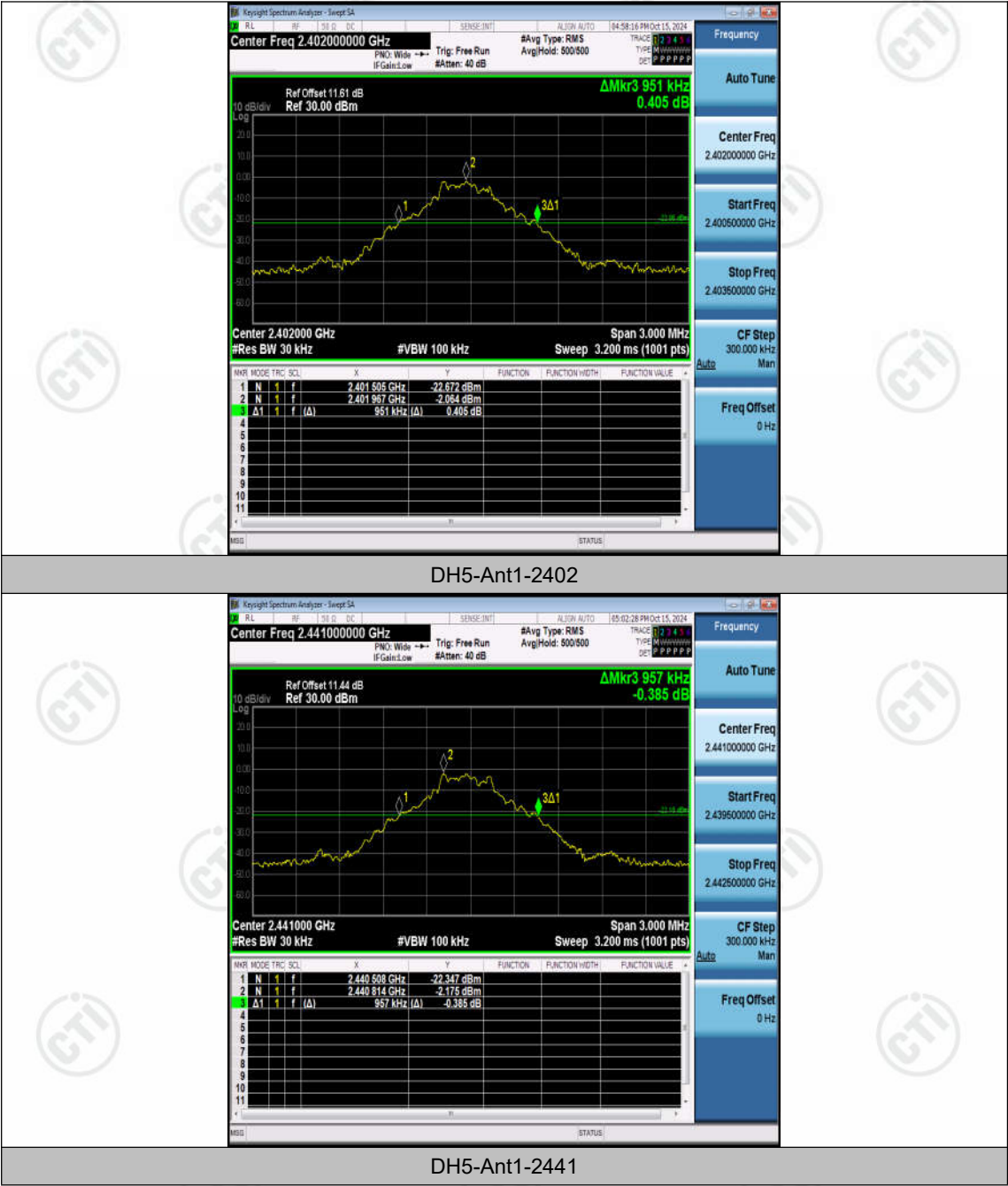
 Test Result 55

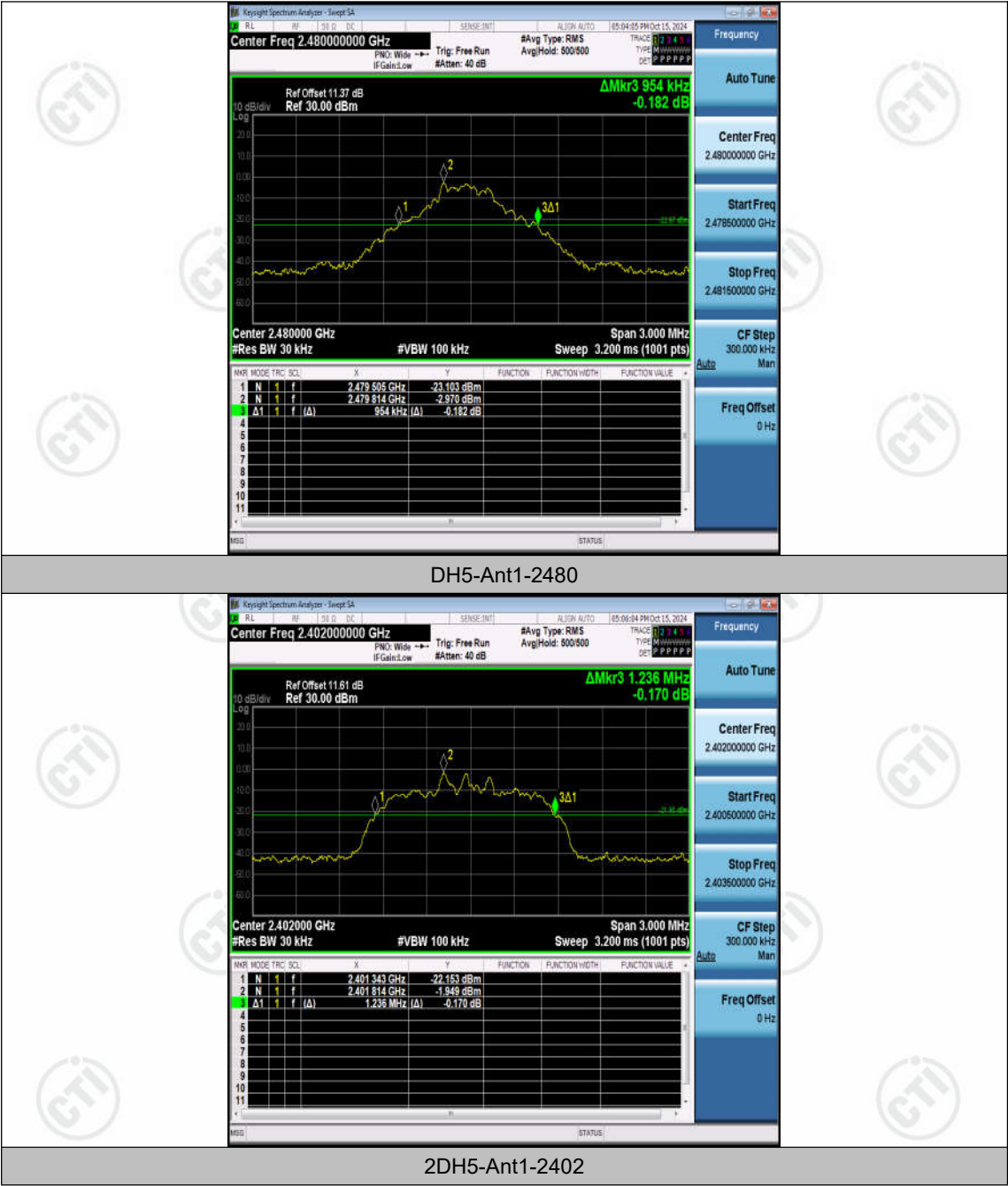
 Test Graphs 56

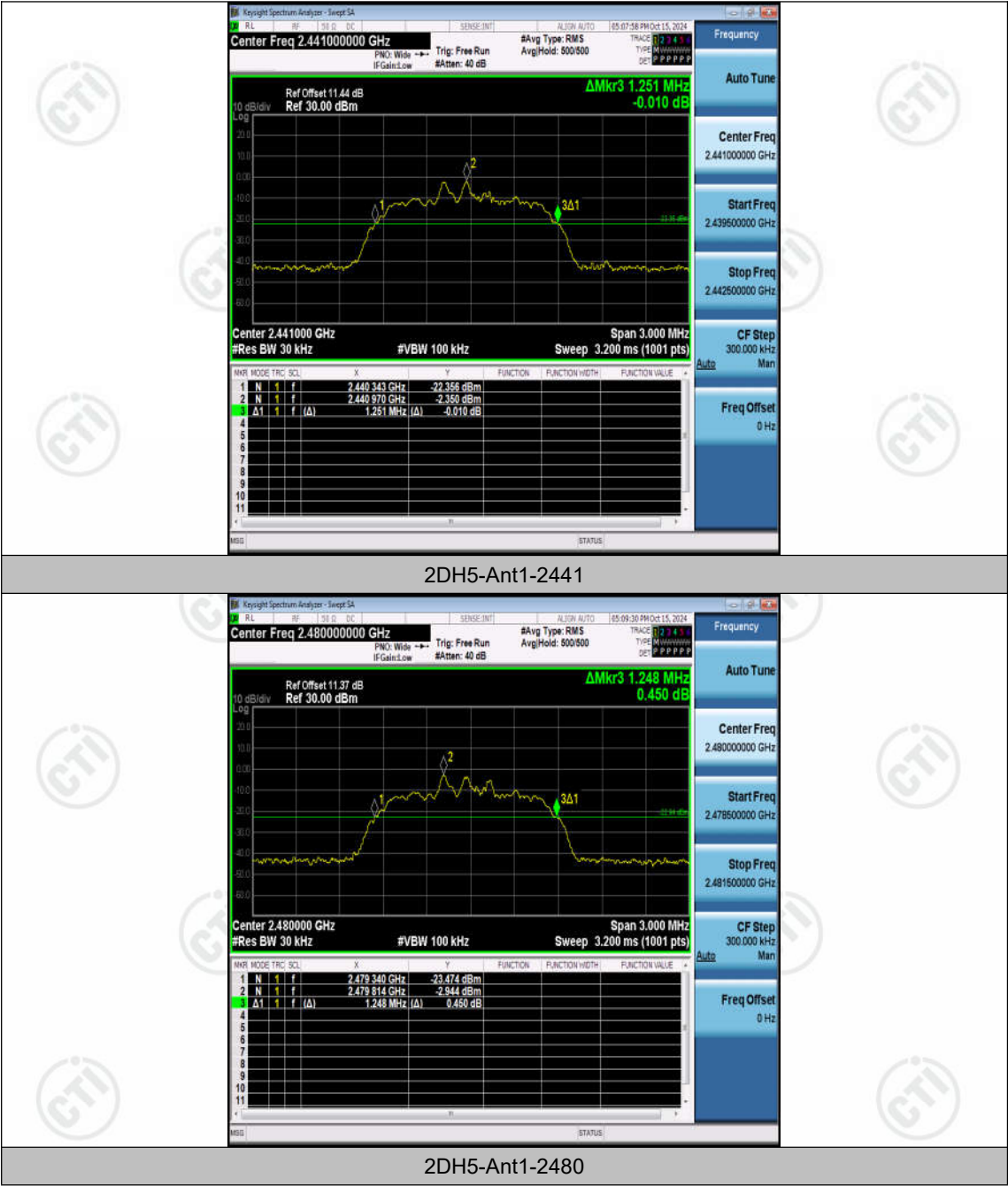
Appendix A: 20dB Emission Bandwidth**Test Result**

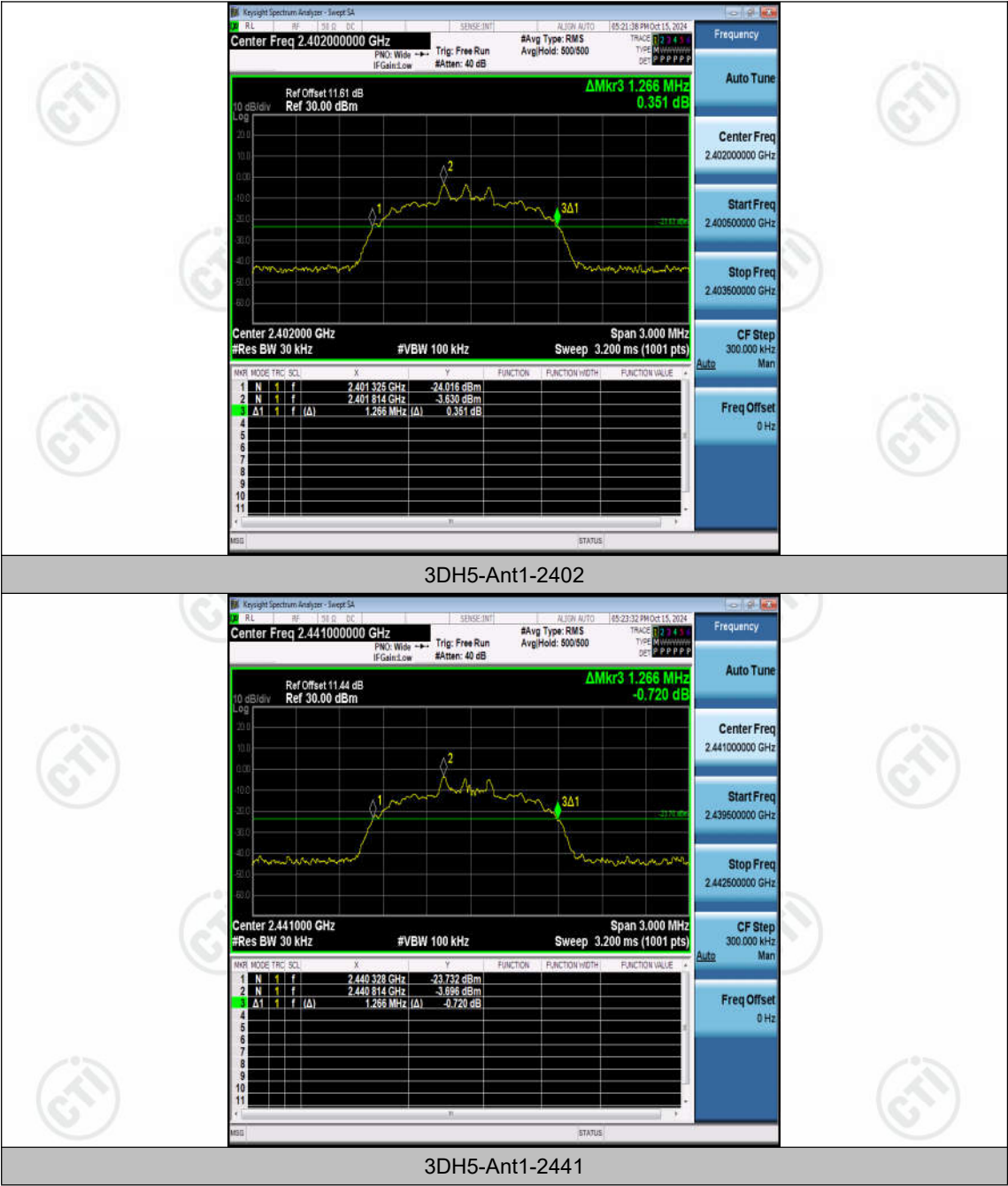
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.505	2402.456	---	---
DH5	Ant1	2441	0.957	2440.508	2441.465	---	---
DH5	Ant1	2480	0.954	2479.505	2480.459	---	---
2DH5	Ant1	2402	1.236	2401.343	2402.579	---	---
2DH5	Ant1	2441	1.251	2440.343	2441.594	---	---
2DH5	Ant1	2480	1.248	2479.340	2480.588	---	---
3DH5	Ant1	2402	1.266	2401.325	2402.591	---	---
3DH5	Ant1	2441	1.266	2440.328	2441.594	---	---
3DH5	Ant1	2480	1.269	2479.325	2480.594	---	---

Test Graphs











3DH5-Ant1-2480

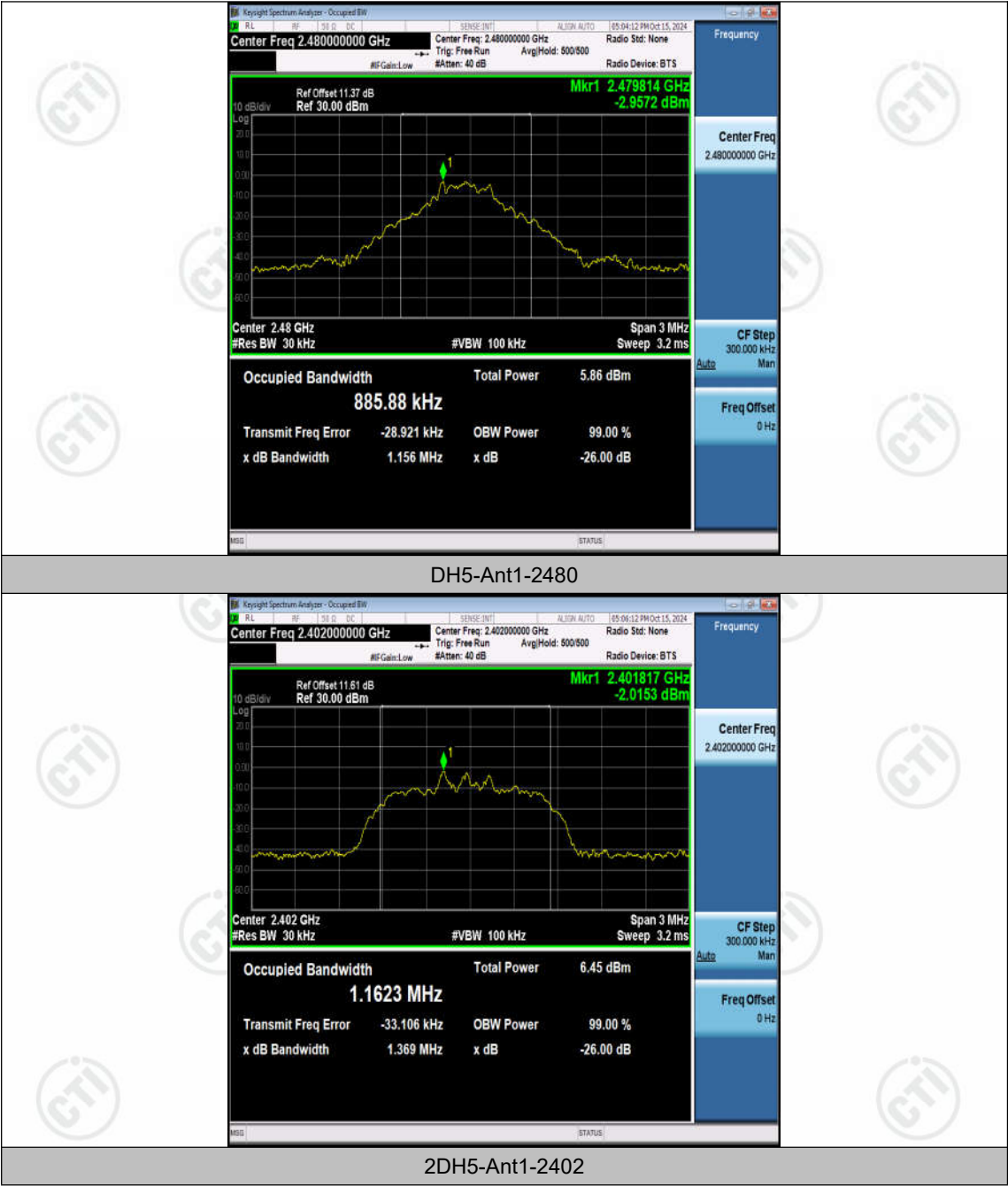
Appendix B: Occupied Channel Bandwidth

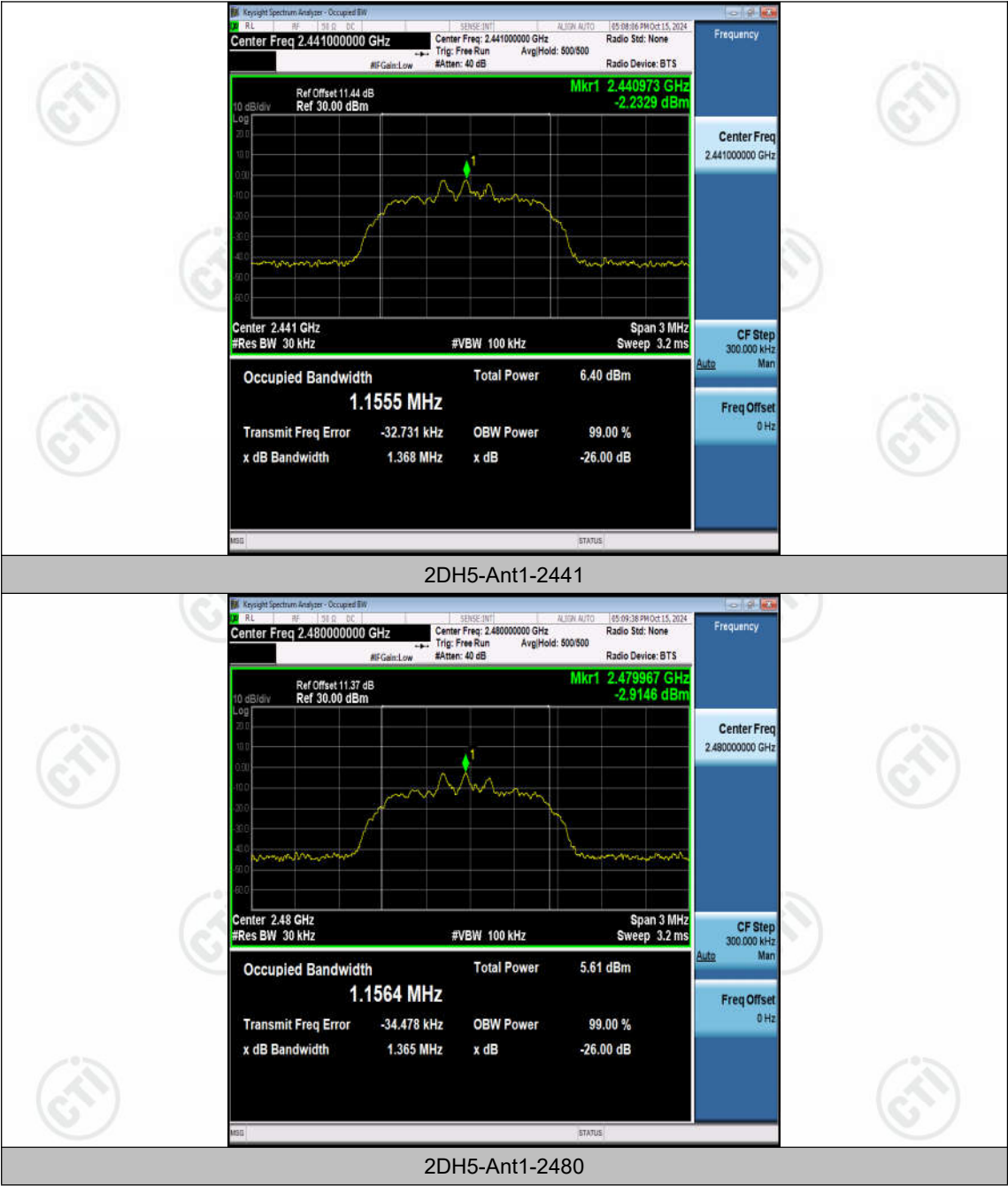
Test Result

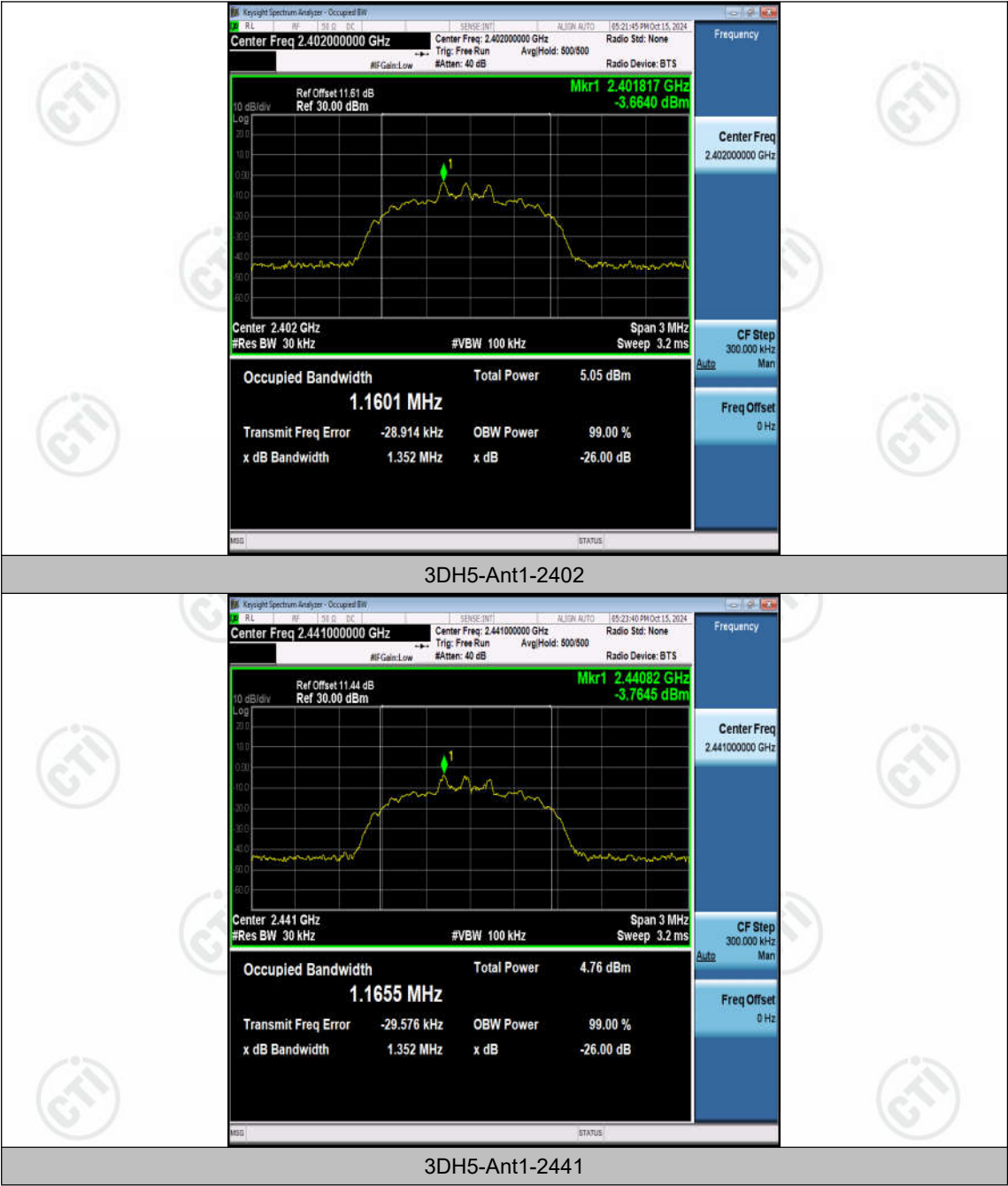
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87929	2401.5309	2402.4102	---	---
DH5	Ant1	2441	0.88013	2440.5318	2441.4119	---	---
DH5	Ant1	2480	0.88588	2479.5281	2480.4140	---	---
2DH5	Ant1	2402	1.1623	2401.3857	2402.5480	---	---
2DH5	Ant1	2441	1.1555	2440.3895	2441.5450	---	---
2DH5	Ant1	2480	1.1564	2479.3873	2480.5437	---	---
3DH5	Ant1	2402	1.1601	2401.3910	2402.5511	---	---
3DH5	Ant1	2441	1.1655	2440.3877	2441.5532	---	---
3DH5	Ant1	2480	1.1616	2479.3893	2480.5509	---	---

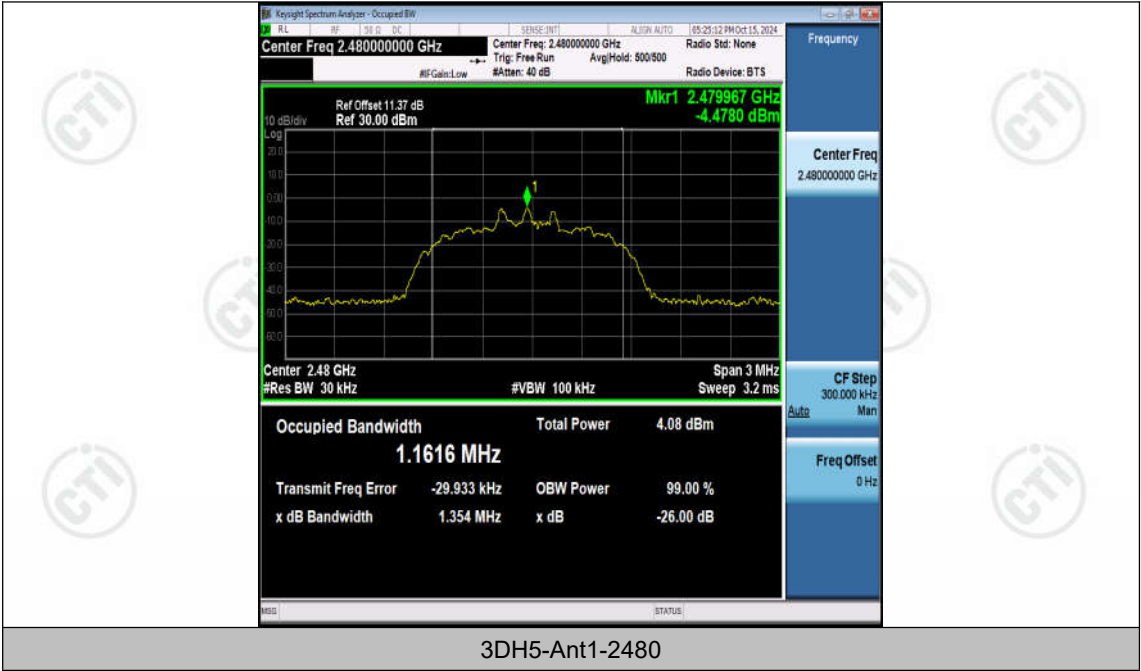
Test Graphs











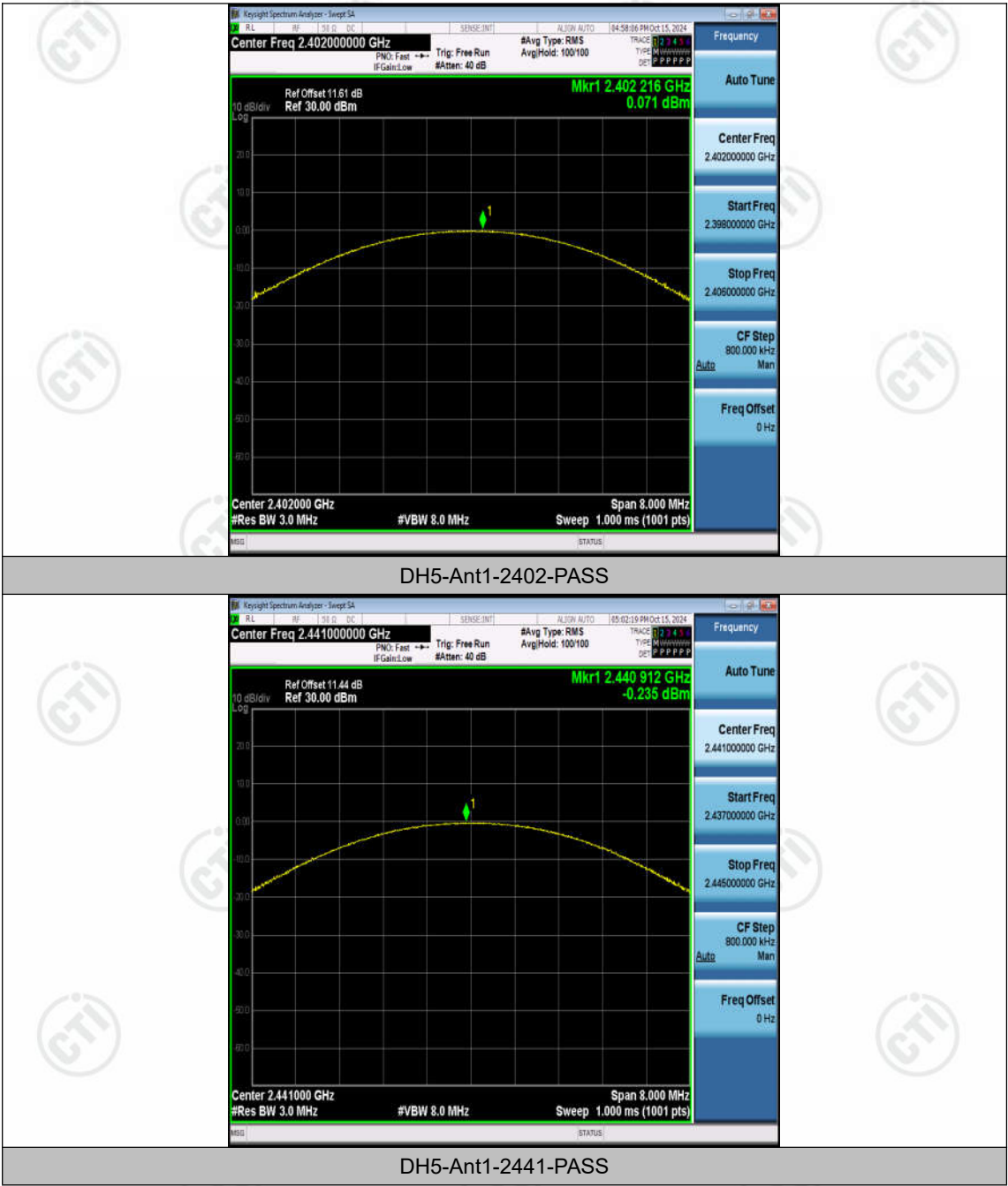
3DH5-Ant1-2480

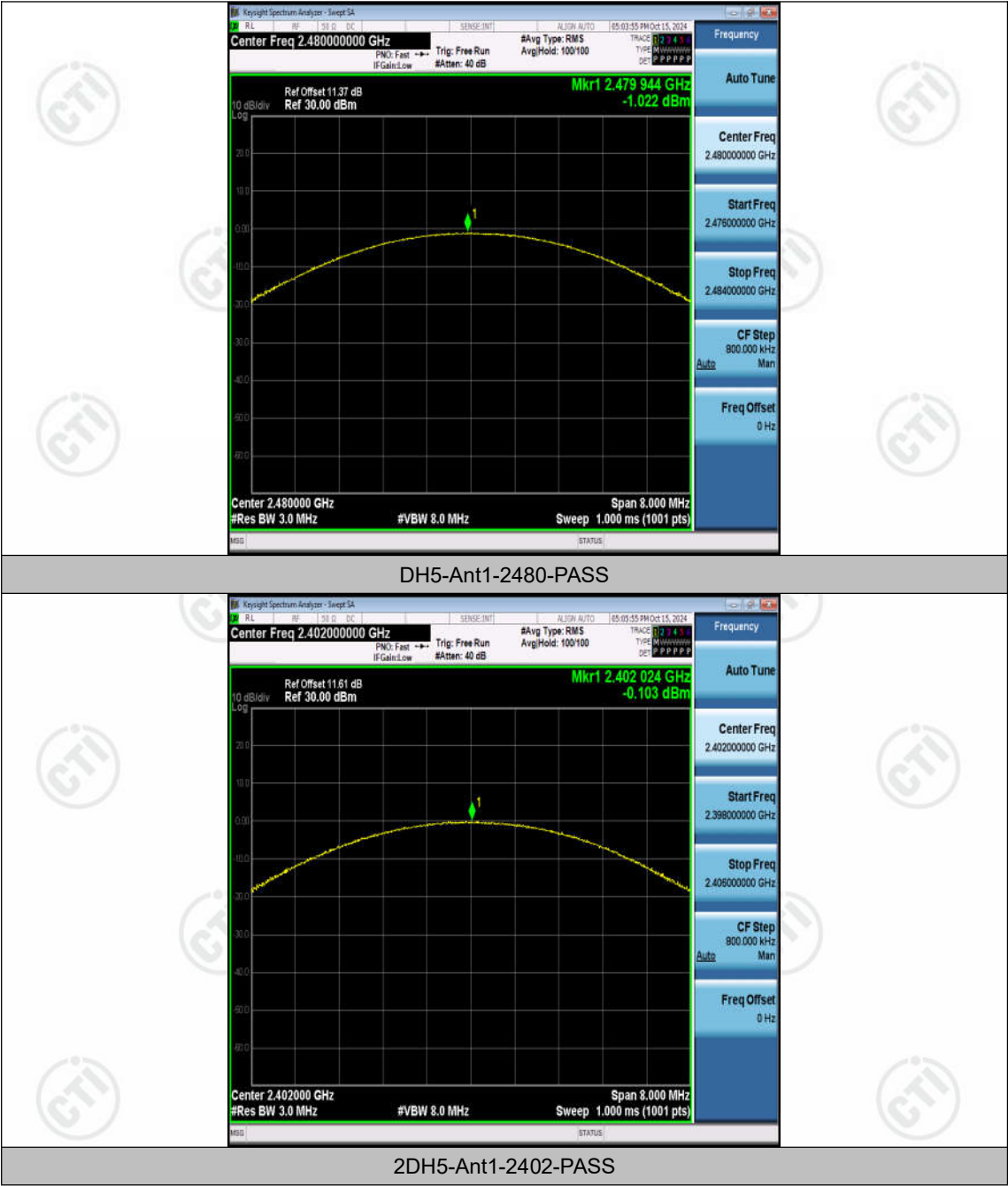
Appendix C: Maximum conducted output power

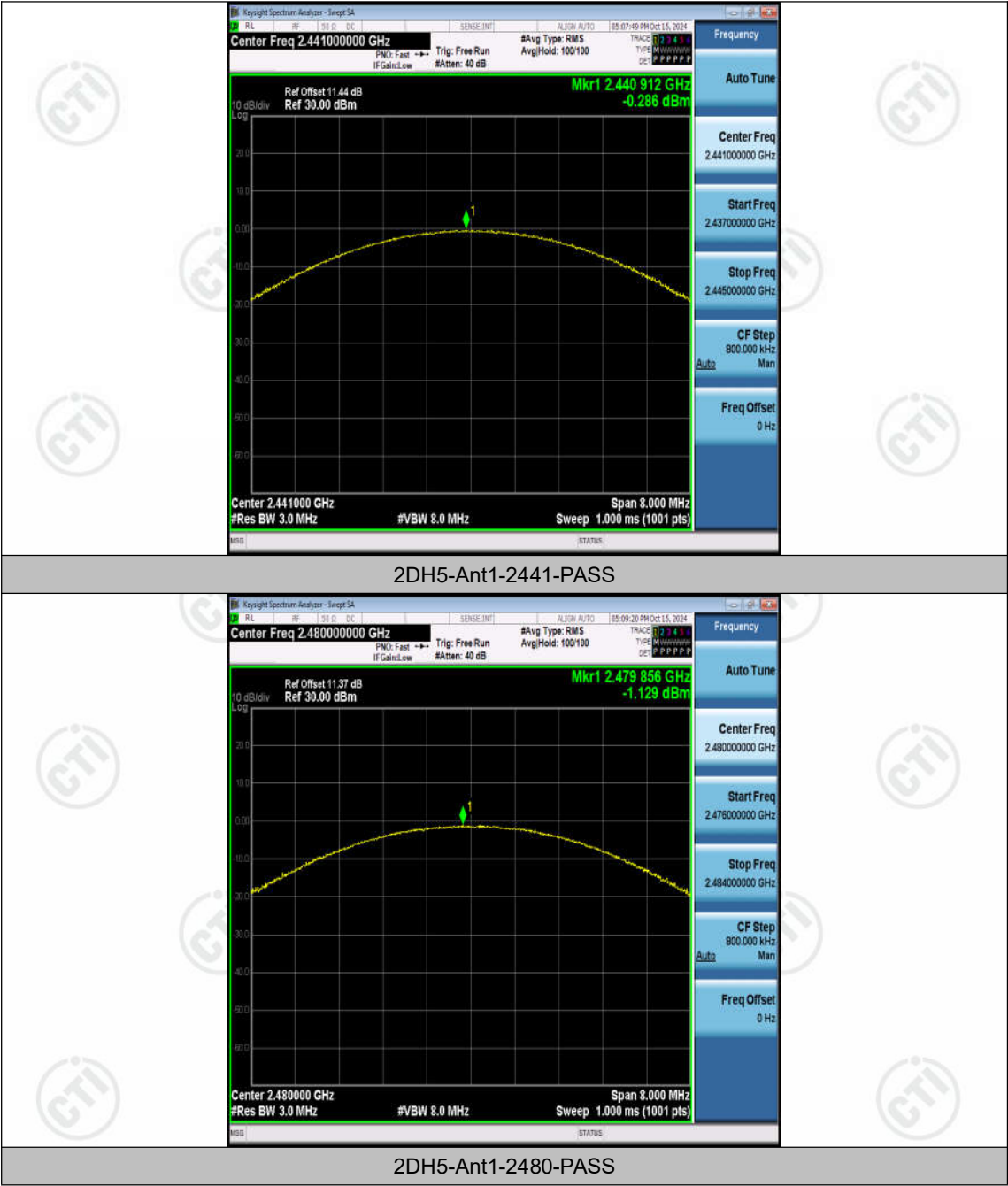
Test Result Peak

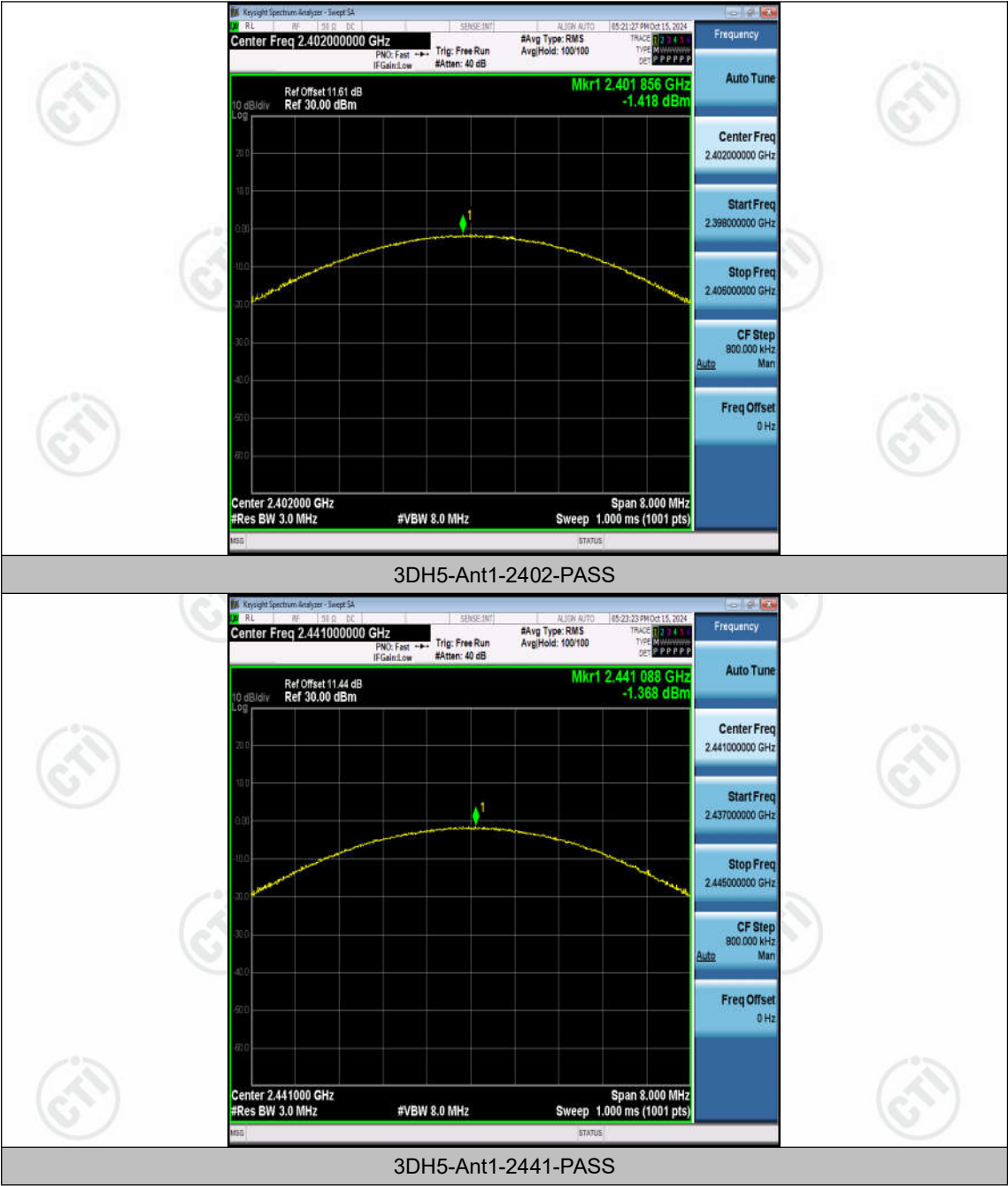
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.07	≤20.97	PASS
DH5	Ant1	2441	-0.24	≤20.97	PASS
DH5	Ant1	2480	-1.02	≤20.97	PASS
2DH5	Ant1	2402	-0.10	≤20.97	PASS
2DH5	Ant1	2441	-0.29	≤20.97	PASS
2DH5	Ant1	2480	-1.13	≤20.97	PASS
3DH5	Ant1	2402	-1.42	≤20.97	PASS
3DH5	Ant1	2441	-1.37	≤20.97	PASS
3DH5	Ant1	2480	-2.35	≤20.97	PASS

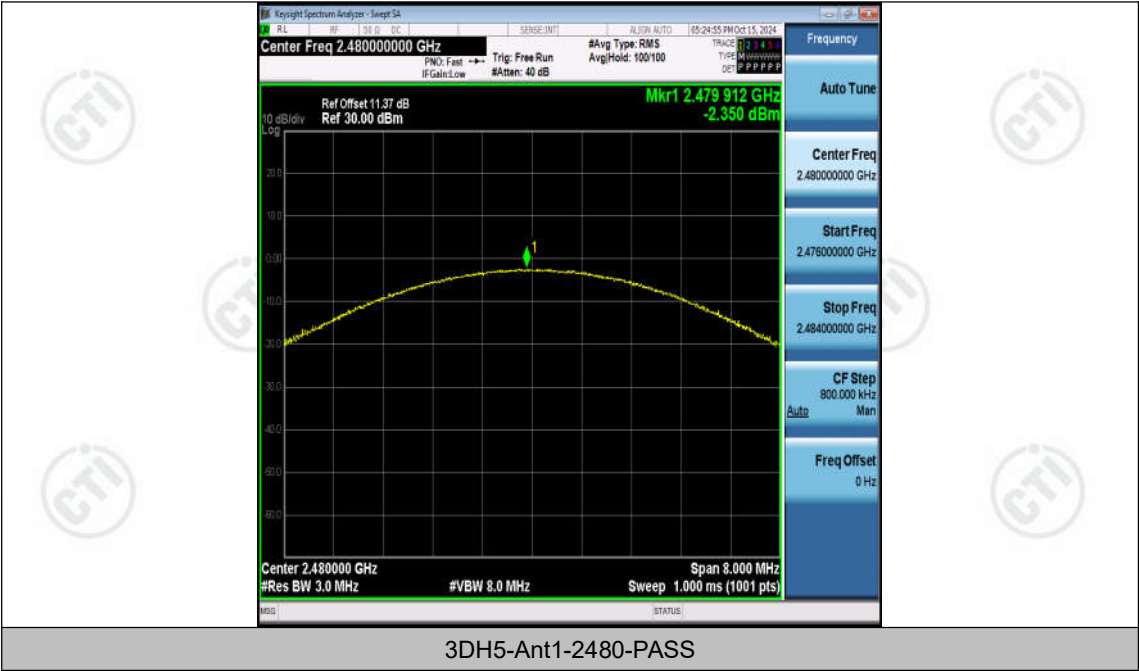
Test Graphs











Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥0.957	PASS
2DH5	Ant1	Hop	1.024	≥0.834	PASS
3DH5	Ant1	Hop	0.996	≥0.846	PASS

Test Graphs



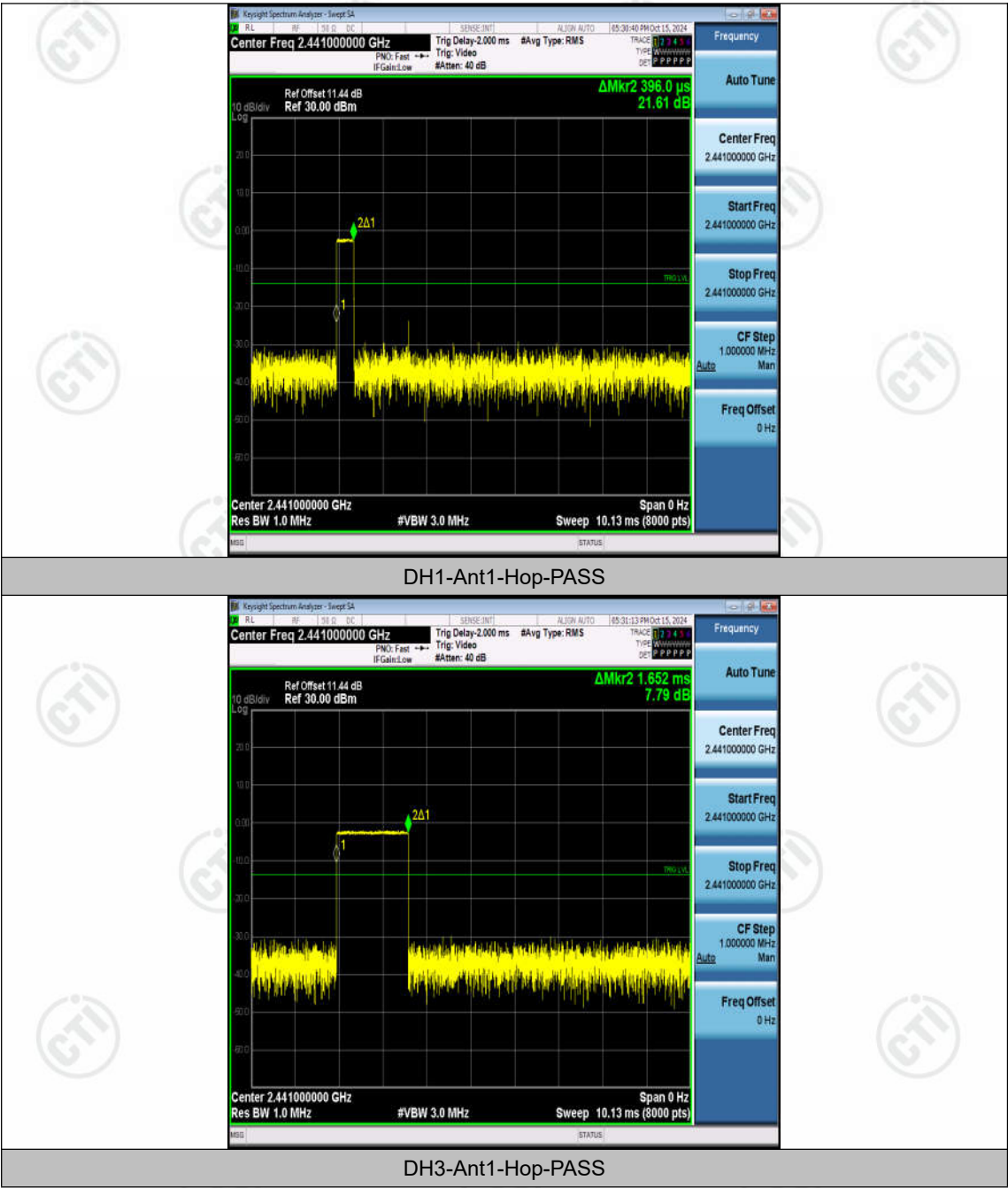


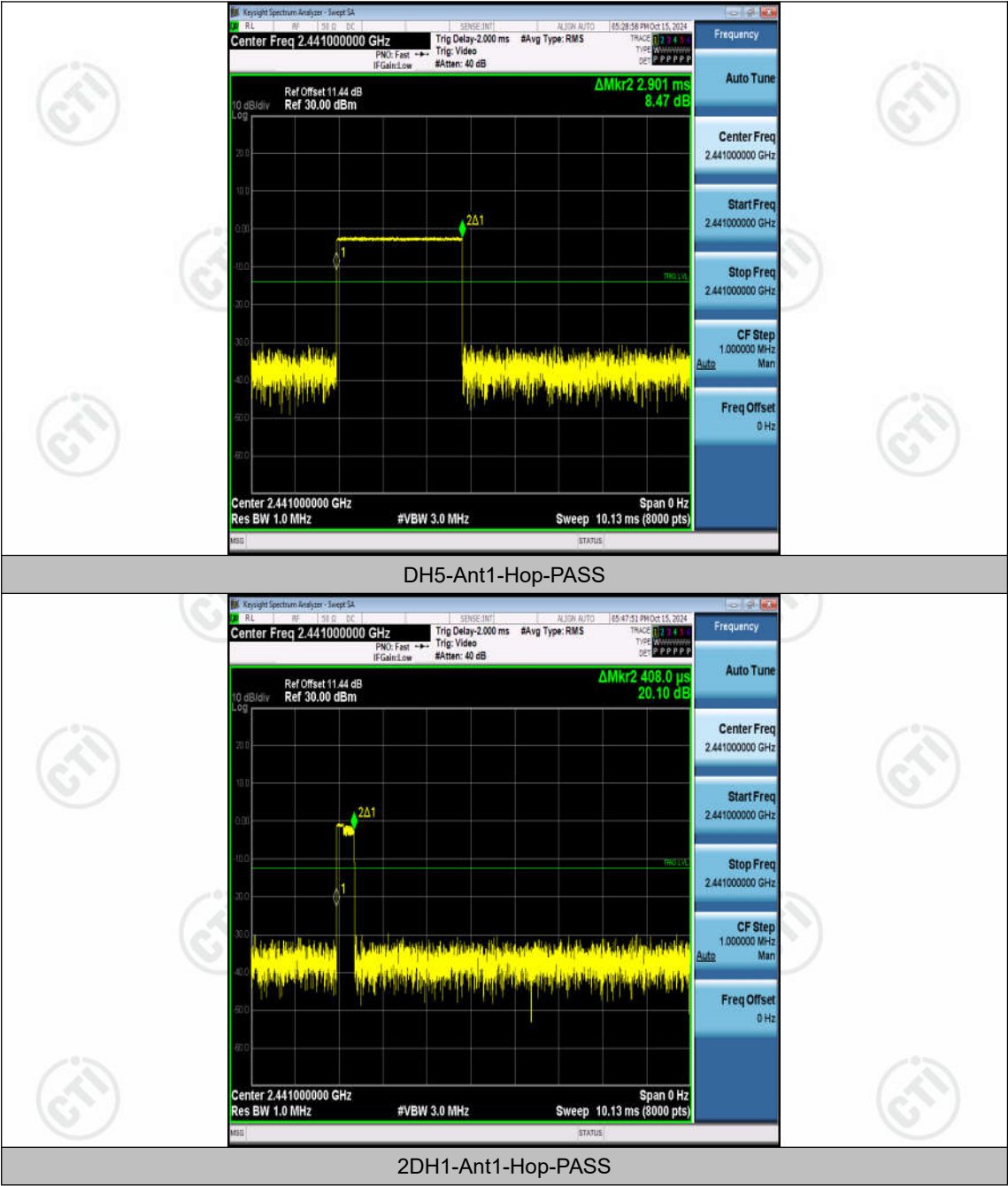
Appendix E: Time of occupancy

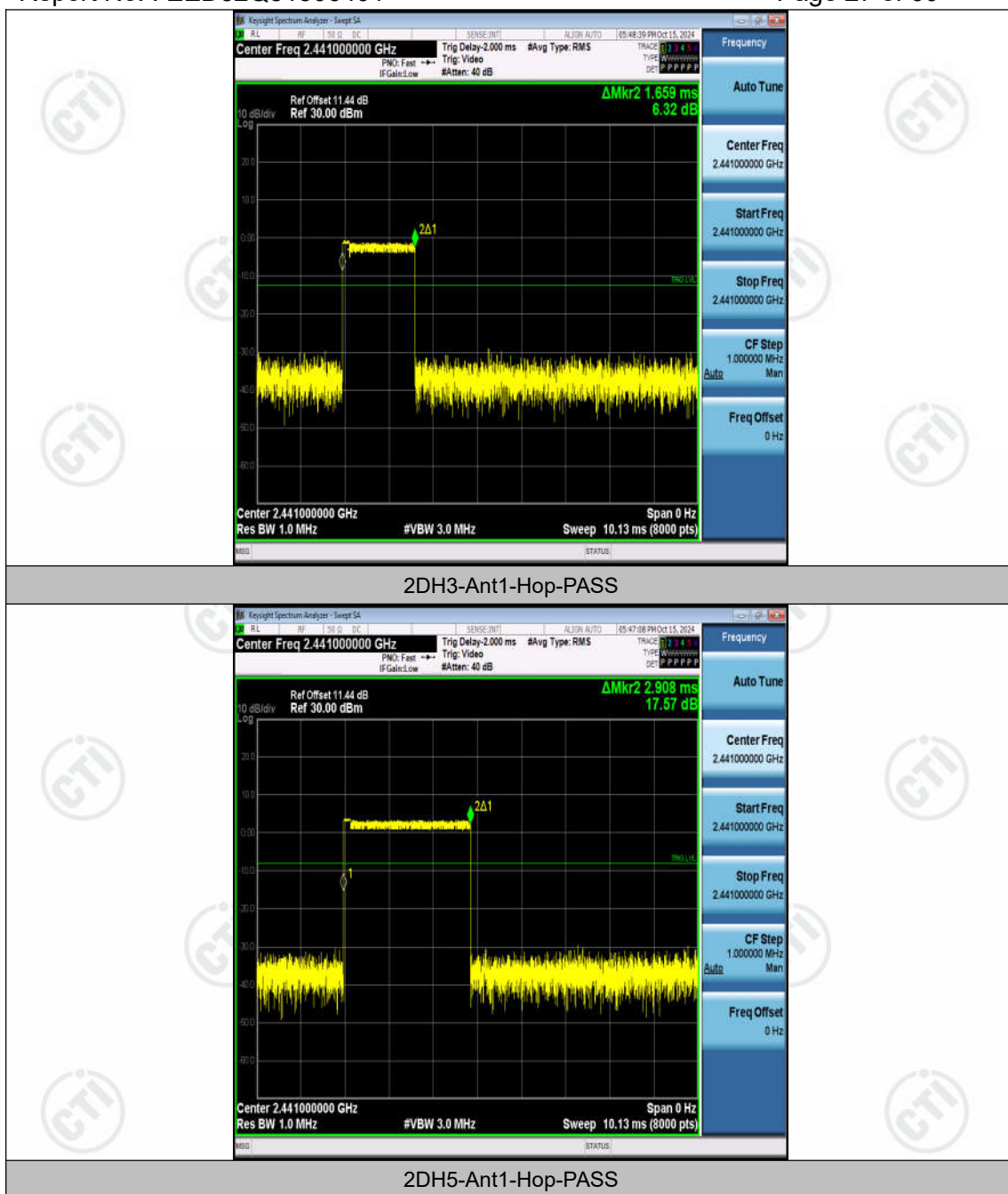
Test Result

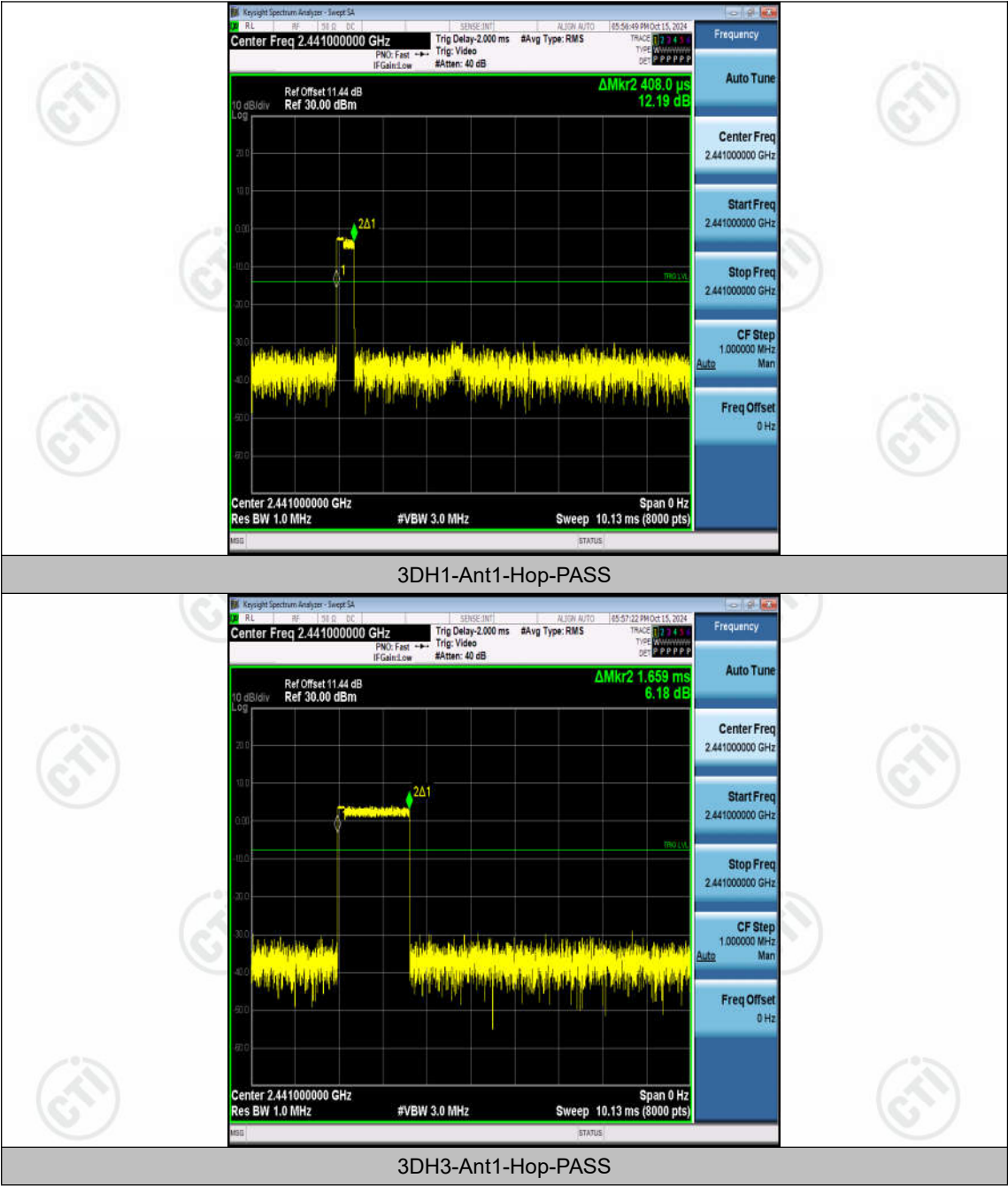
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.396	320	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.652	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.901	106.67	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.408	320	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.659	160	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.908	106.67	0.31	≤0.4	PASS
3DH1	Ant1	Hop	0.408	320	0.131	≤0.4	PASS
3DH3	Ant1	Hop	1.659	160	0.265	≤0.4	PASS
3DH5	Ant1	Hop	-1.713	106.67	-0.183	≤0.4	PASS

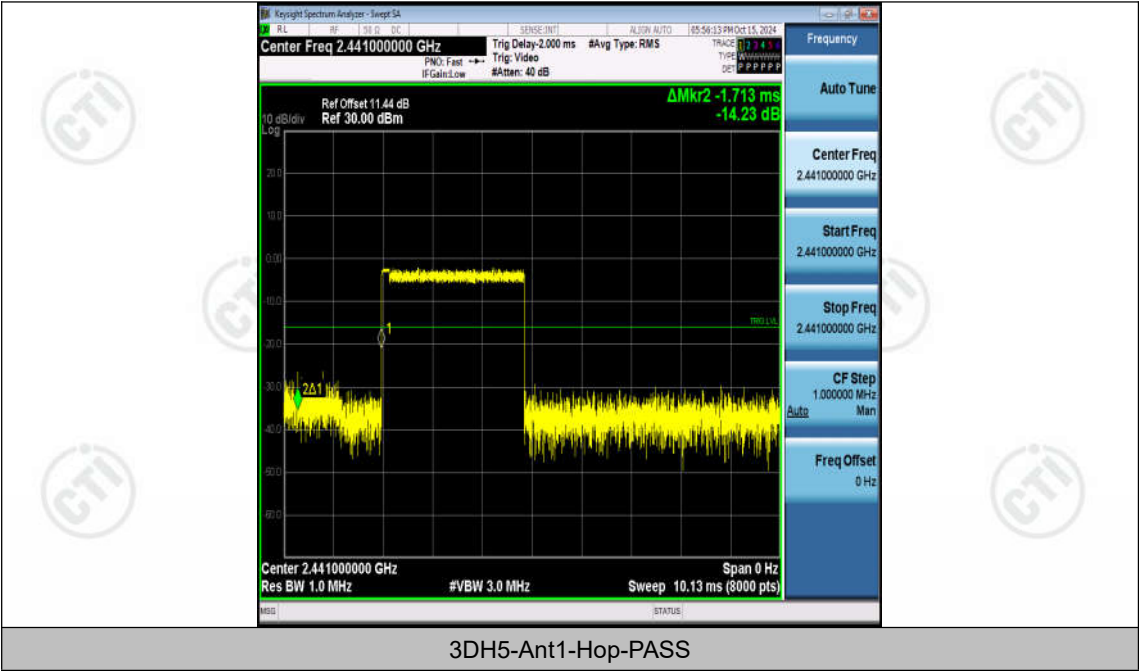
Test Graphs









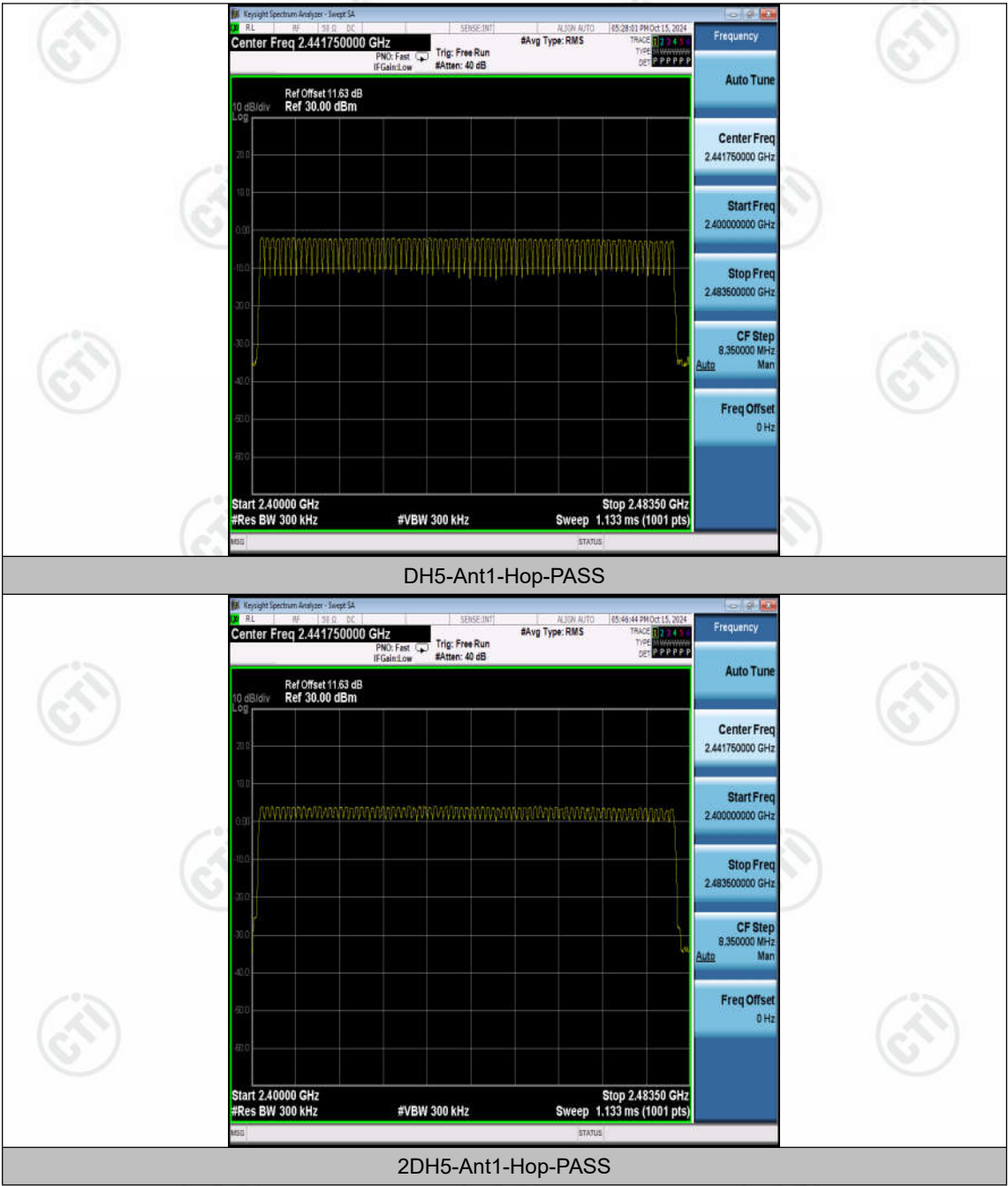


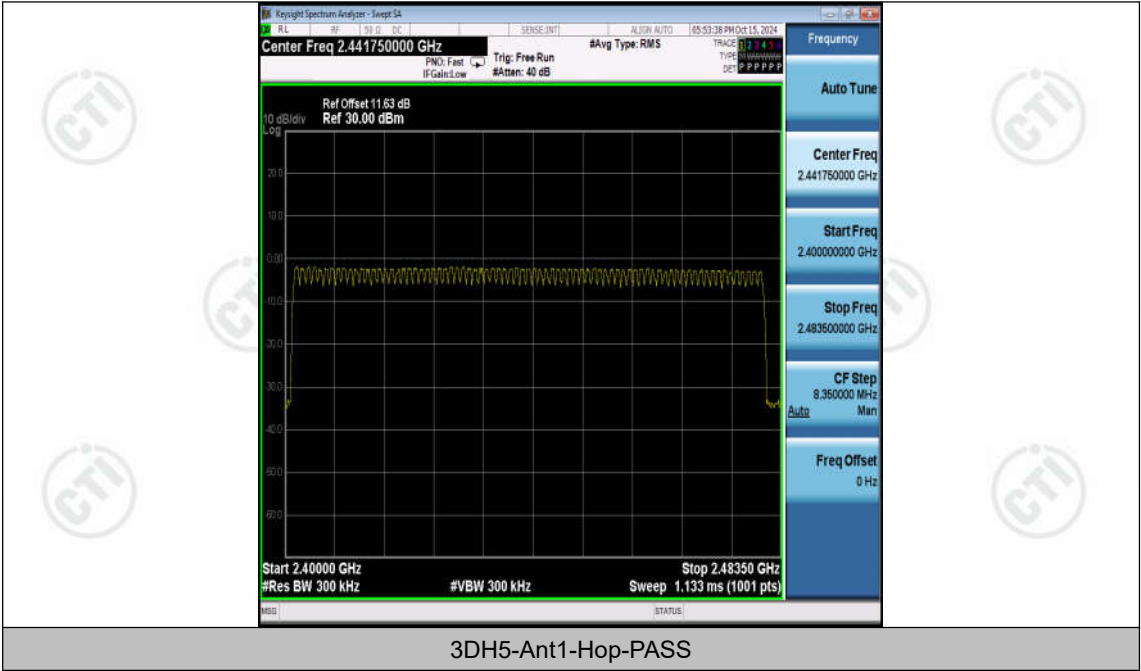
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



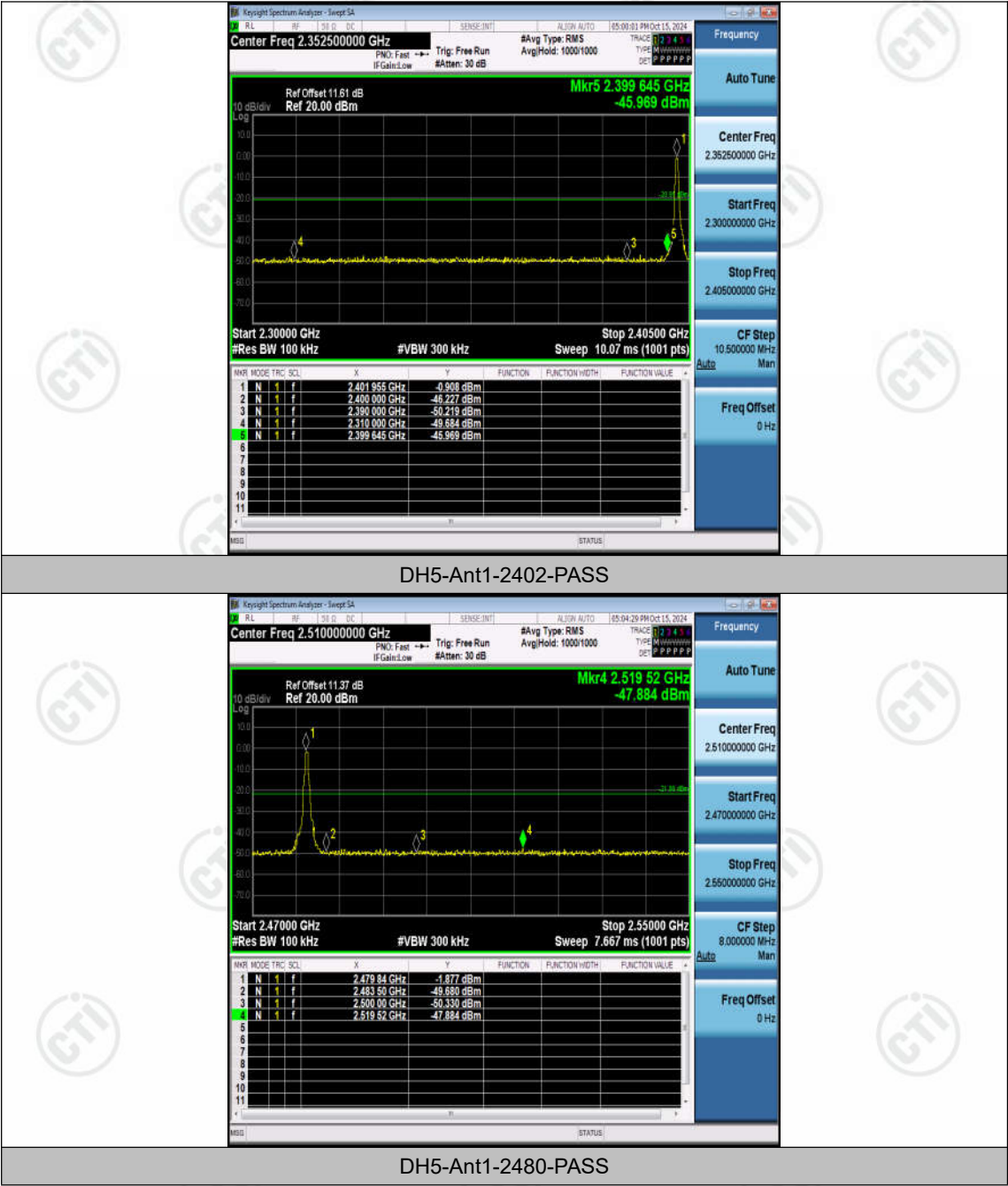


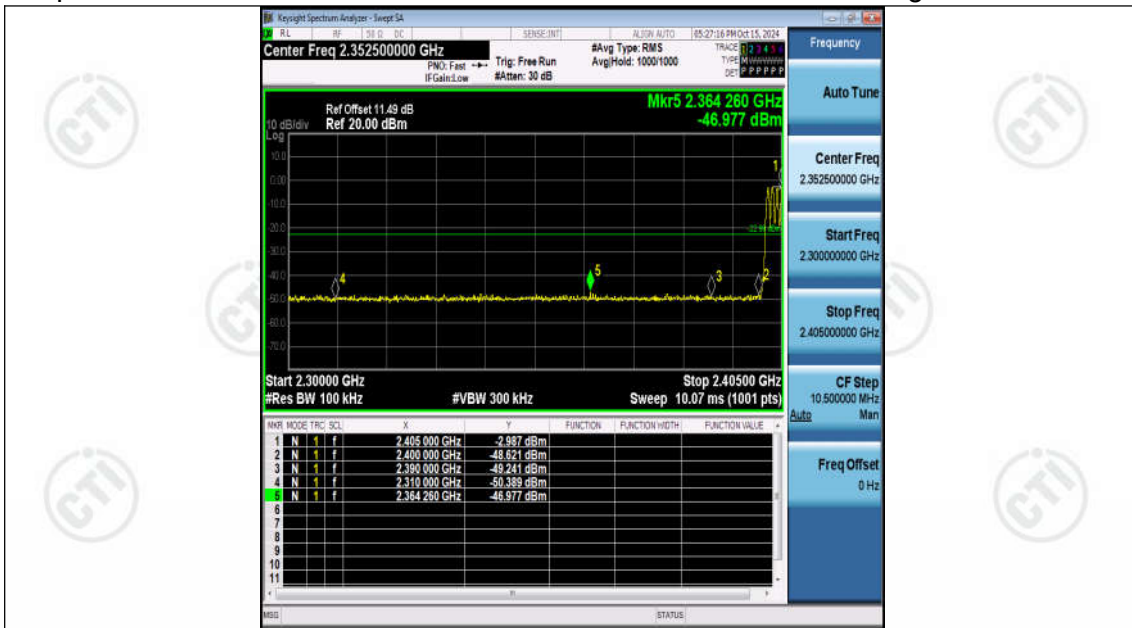
Appendix G: Band edge measurements

Test Result

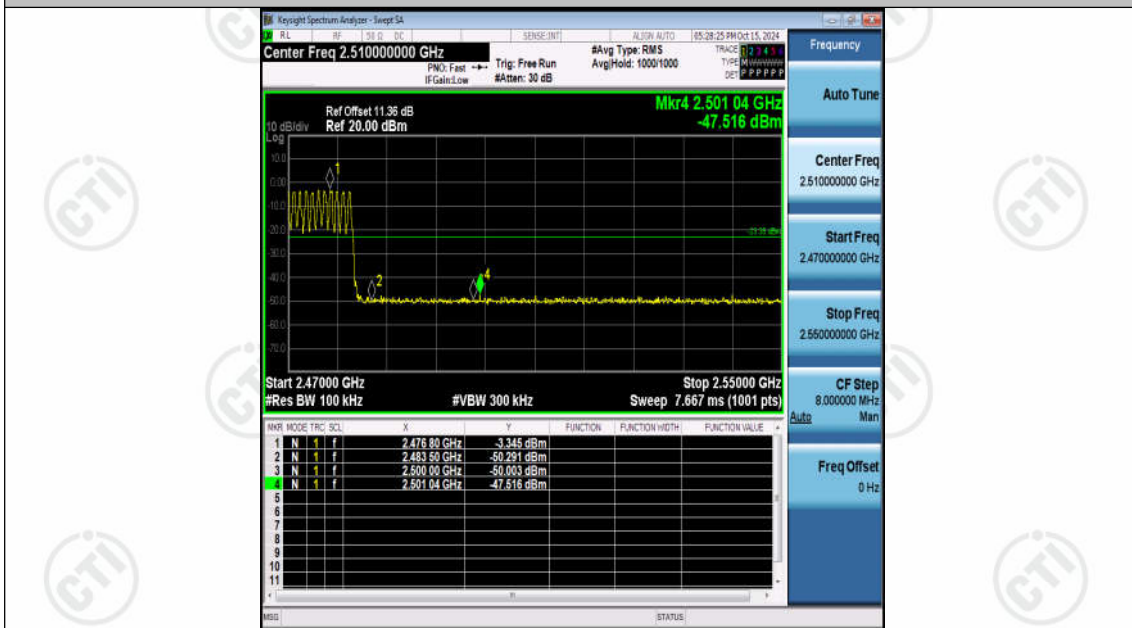
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.91	-45.97	≤-20.91	PASS
DH5	Ant1	High	2480	-1.88	-47.88	≤-21.88	PASS
DH5	Ant1	Low	Hop_2402	-2.99	-46.98	≤-22.99	PASS
DH5	Ant1	High	Hop_2480	-3.35	-47.52	≤-23.35	PASS
2DH5	Ant1	Low	2402	-0.81	-47.66	≤-20.81	PASS
2DH5	Ant1	High	2480	-1.87	-48.07	≤-21.87	PASS
2DH5	Ant1	Low	Hop_2402	3.41	-44.14	≤-16.59	PASS
2DH5	Ant1	High	Hop_2480	-3.16	-47.33	≤-23.16	PASS
3DH5	Ant1	Low	2402	-2.47	-46.55	≤-22.47	PASS
3DH5	Ant1	High	2480	-3.38	-47.83	≤-23.38	PASS
3DH5	Ant1	Low	Hop_2402	-2.45	-46.63	≤-22.45	PASS
3DH5	Ant1	High	Hop_2480	-3.18	-46.88	≤-23.18	PASS

Test Graphs

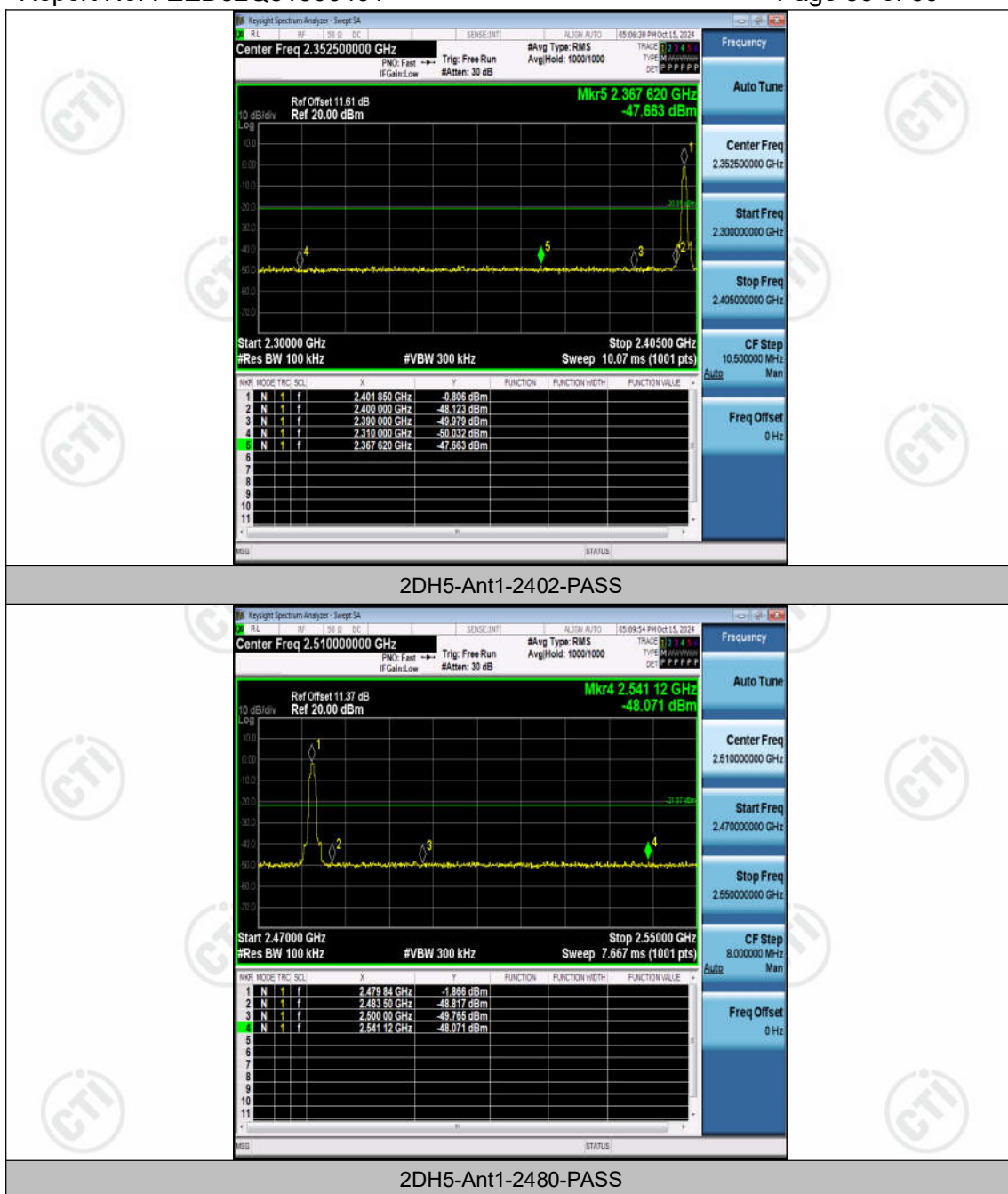


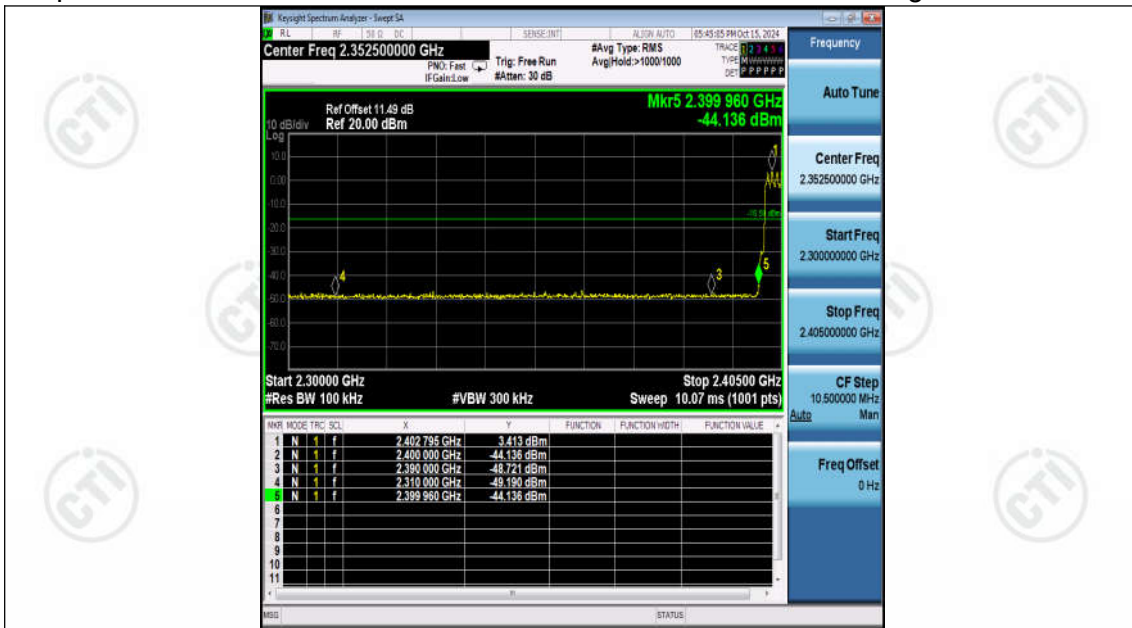


DH5-Ant1-Hop_2402-PASS

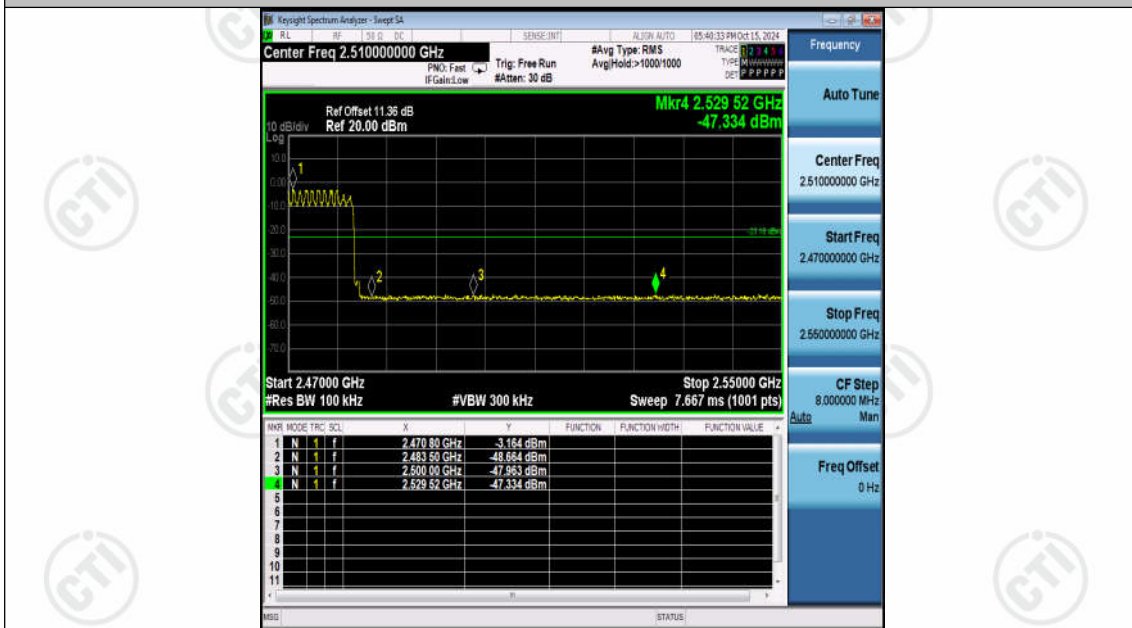


DH5-Ant1-Hop_2480-PASS

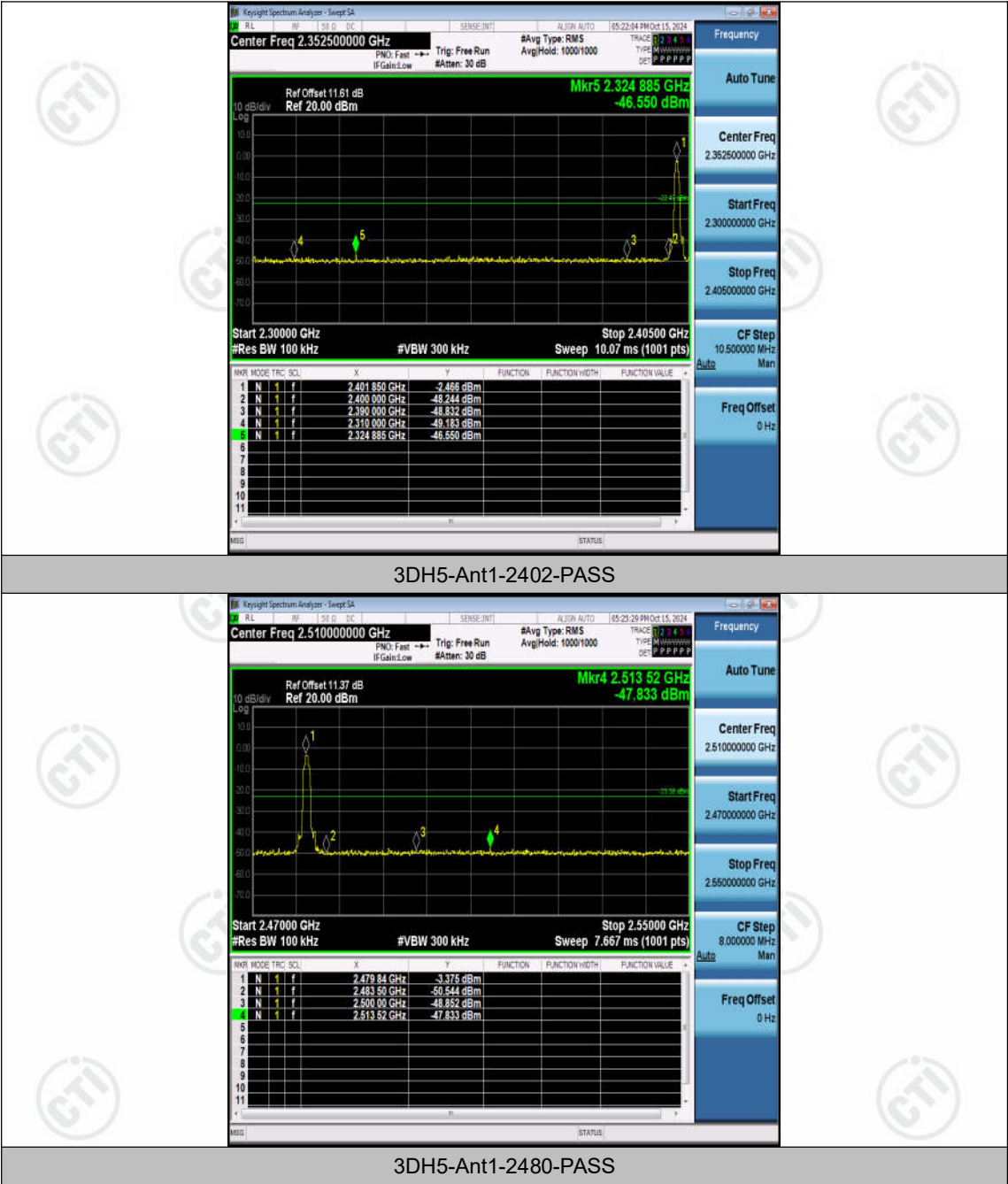


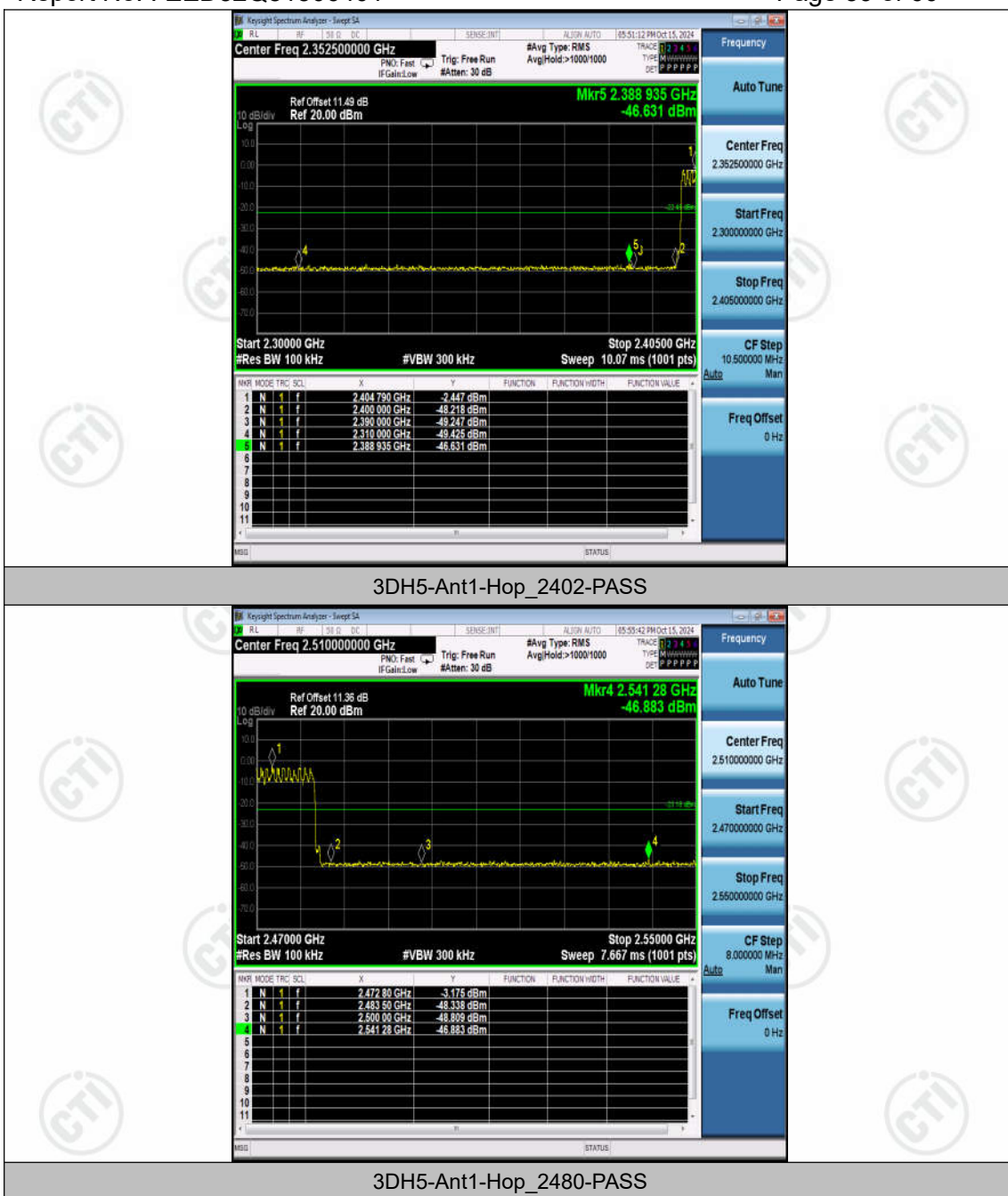


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



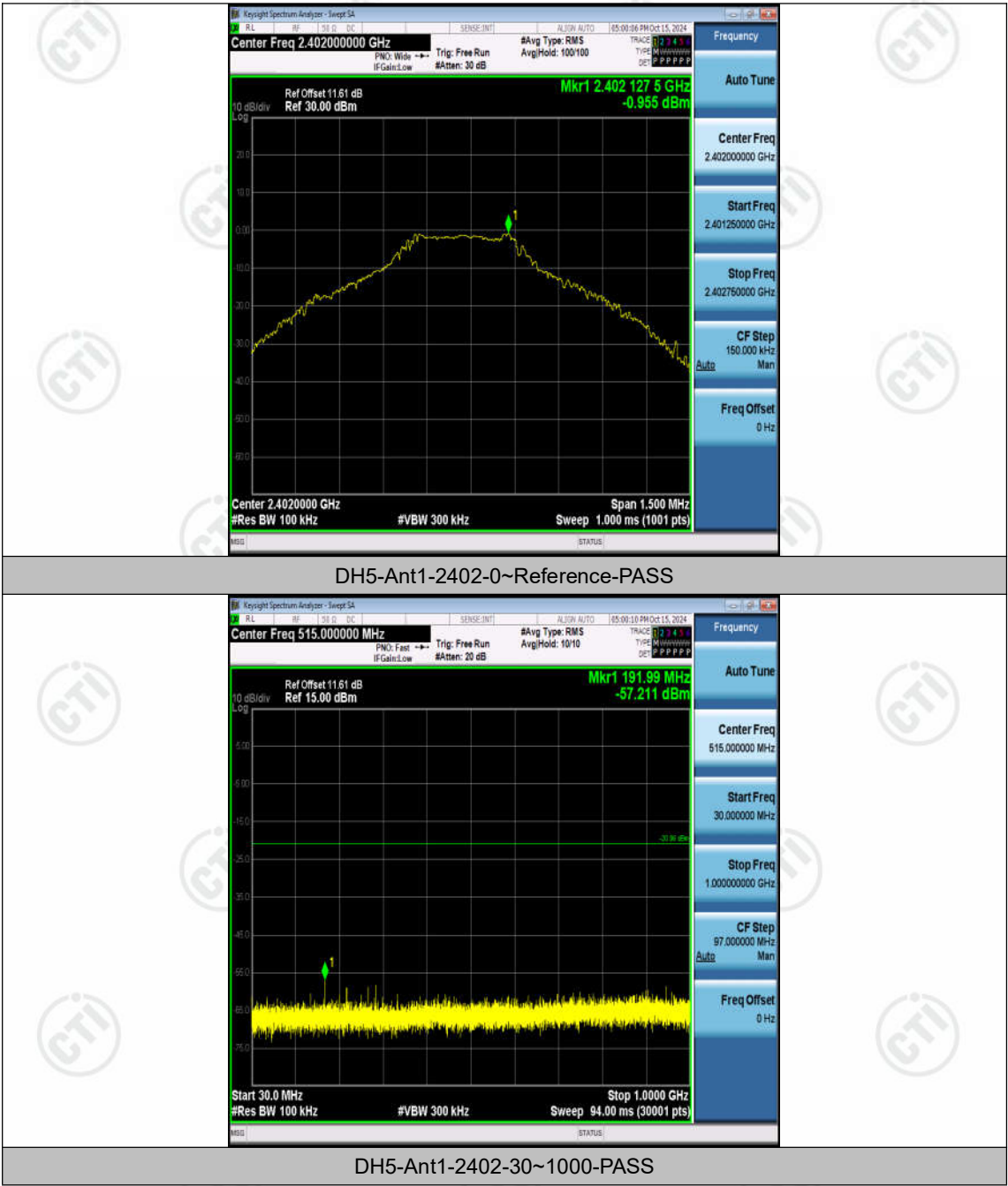


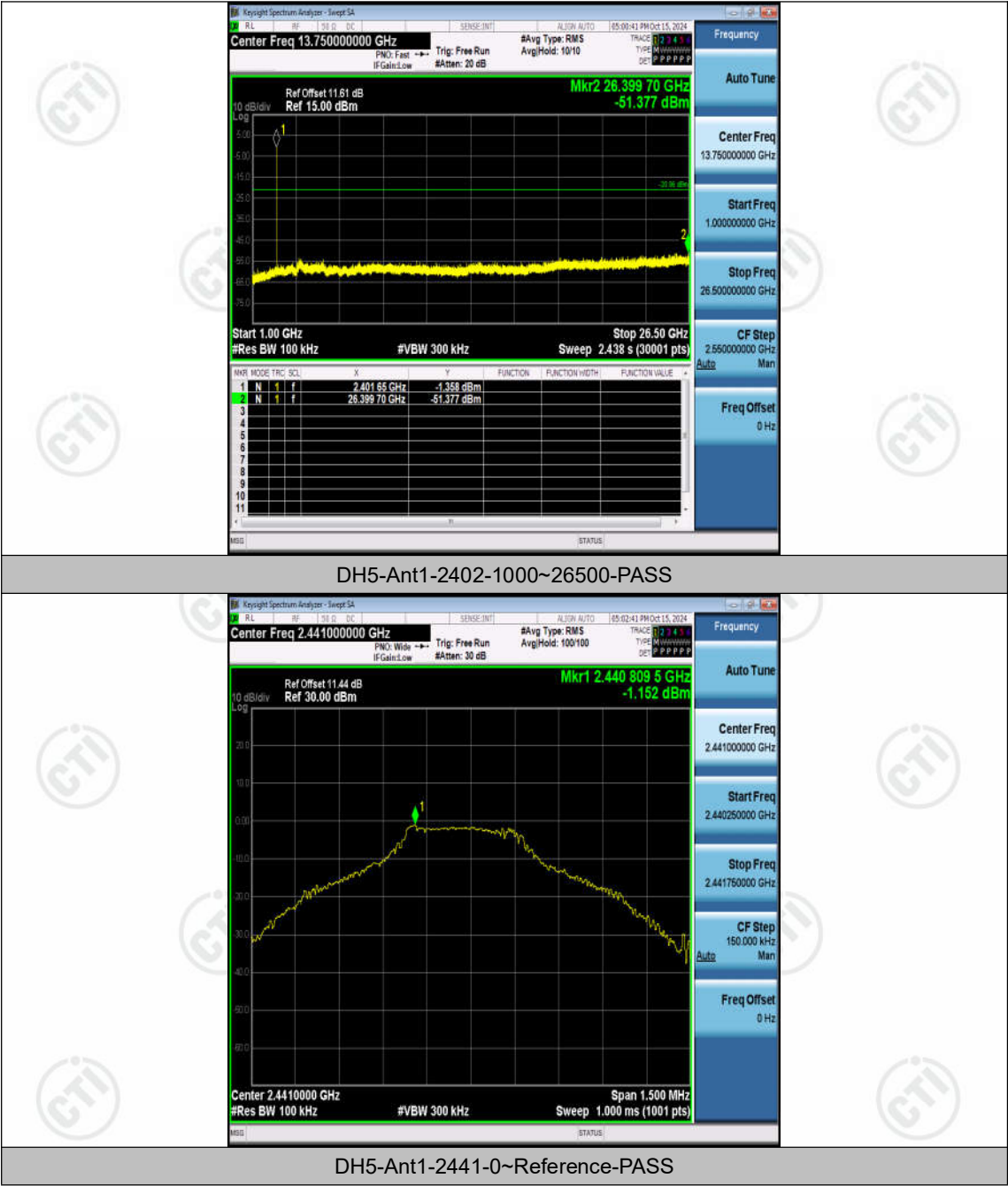
Appendix H: Conducted Spurious Emission

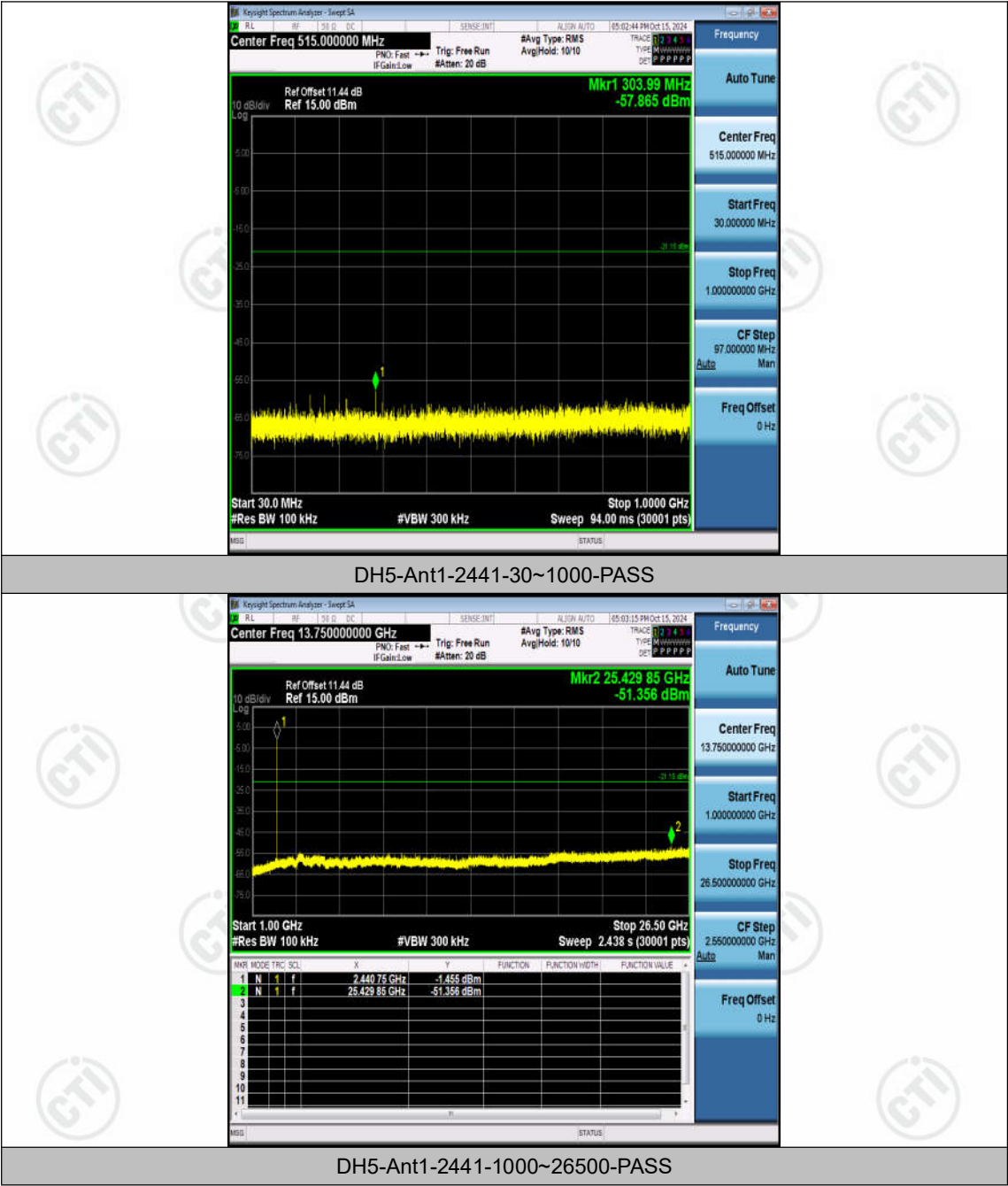
Test Result

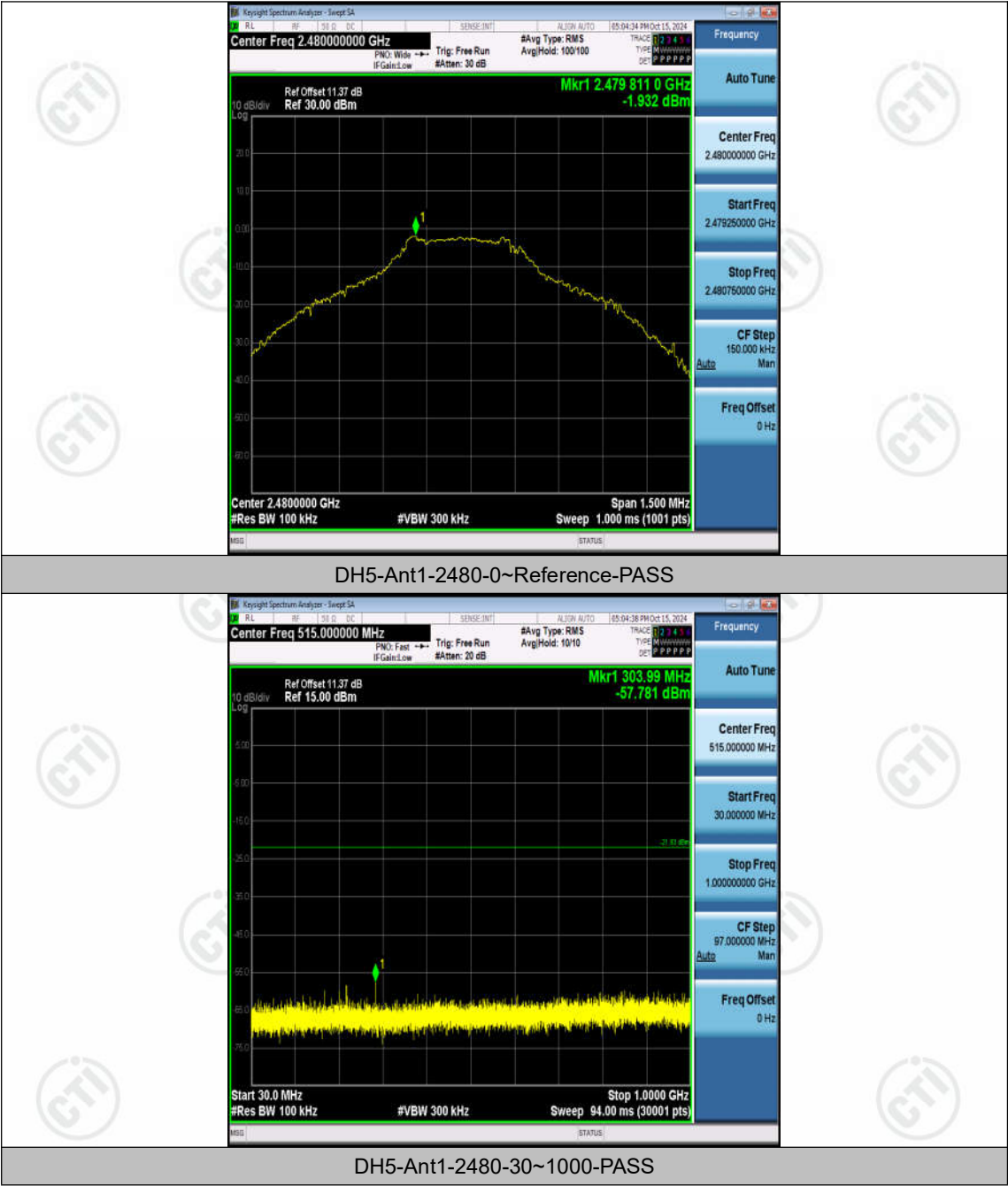
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.96	-0.96	---	PASS
DH5	Ant1	2402	30~1000	-0.96	-57.21	≤-20.96	PASS
DH5	Ant1	2402	1000~26500	-0.96	-51.38	≤-20.96	PASS
DH5	Ant1	2441	0~Reference	-1.15	-1.15	---	PASS
DH5	Ant1	2441	30~1000	-1.15	-57.87	≤-21.15	PASS
DH5	Ant1	2441	1000~26500	-1.15	-51.36	≤-21.15	PASS
DH5	Ant1	2480	0~Reference	-1.93	-1.93	---	PASS
DH5	Ant1	2480	30~1000	-1.93	-57.78	≤-21.93	PASS
DH5	Ant1	2480	1000~26500	-1.93	-51.93	≤-21.93	PASS
2DH5	Ant1	2402	0~Reference	-1.28	-1.28	---	PASS
2DH5	Ant1	2402	30~1000	-1.28	-57.91	≤-21.28	PASS
2DH5	Ant1	2402	1000~26500	-1.28	-51.99	≤-21.28	PASS
2DH5	Ant1	2441	0~Reference	-1.62	-1.62	---	PASS
2DH5	Ant1	2441	30~1000	-1.62	-57.47	≤-21.62	PASS
2DH5	Ant1	2441	1000~26500	-1.62	-51.14	≤-21.62	PASS
2DH5	Ant1	2480	0~Reference	-2.09	-2.09	---	PASS
2DH5	Ant1	2480	30~1000	-2.09	-57.96	≤-22.09	PASS
2DH5	Ant1	2480	1000~26500	-2.09	-51.87	≤-22.09	PASS
3DH5	Ant1	2402	0~Reference	-2.84	-2.84	---	PASS
3DH5	Ant1	2402	30~1000	-2.84	-57.46	≤-22.84	PASS
3DH5	Ant1	2402	1000~26500	-2.84	-51.52	≤-22.84	PASS
3DH5	Ant1	2441	0~Reference	-2.72	-2.72	---	PASS
3DH5	Ant1	2441	30~1000	-2.72	-57.41	≤-22.72	PASS
3DH5	Ant1	2441	1000~26500	-2.72	-51.67	≤-22.72	PASS
3DH5	Ant1	2480	0~Reference	-3.87	-3.87	---	PASS
3DH5	Ant1	2480	30~1000	-3.87	-58.12	≤-23.87	PASS
3DH5	Ant1	2480	1000~26500	-3.87	-50.27	≤-23.87	PASS

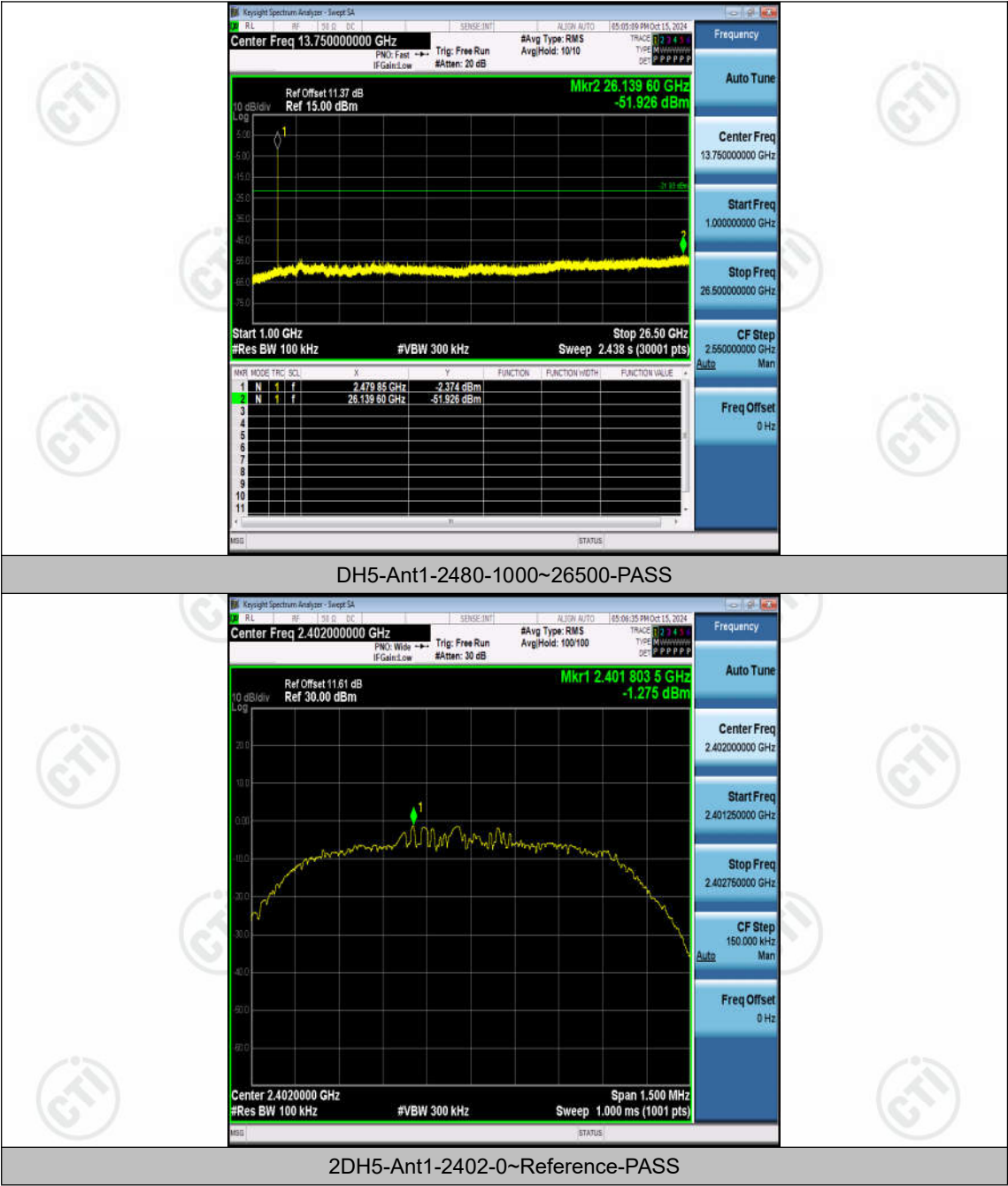
Test Graphs

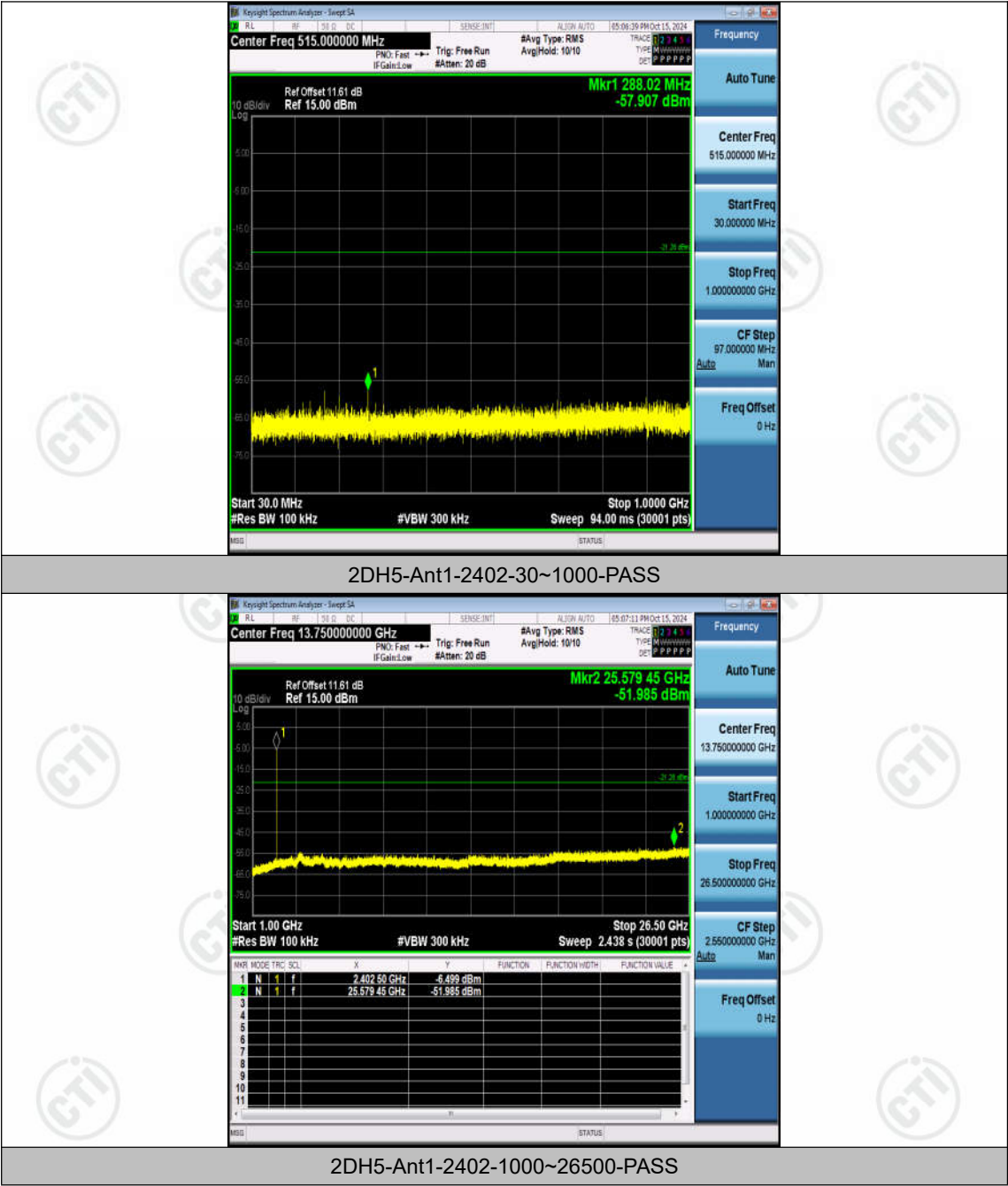


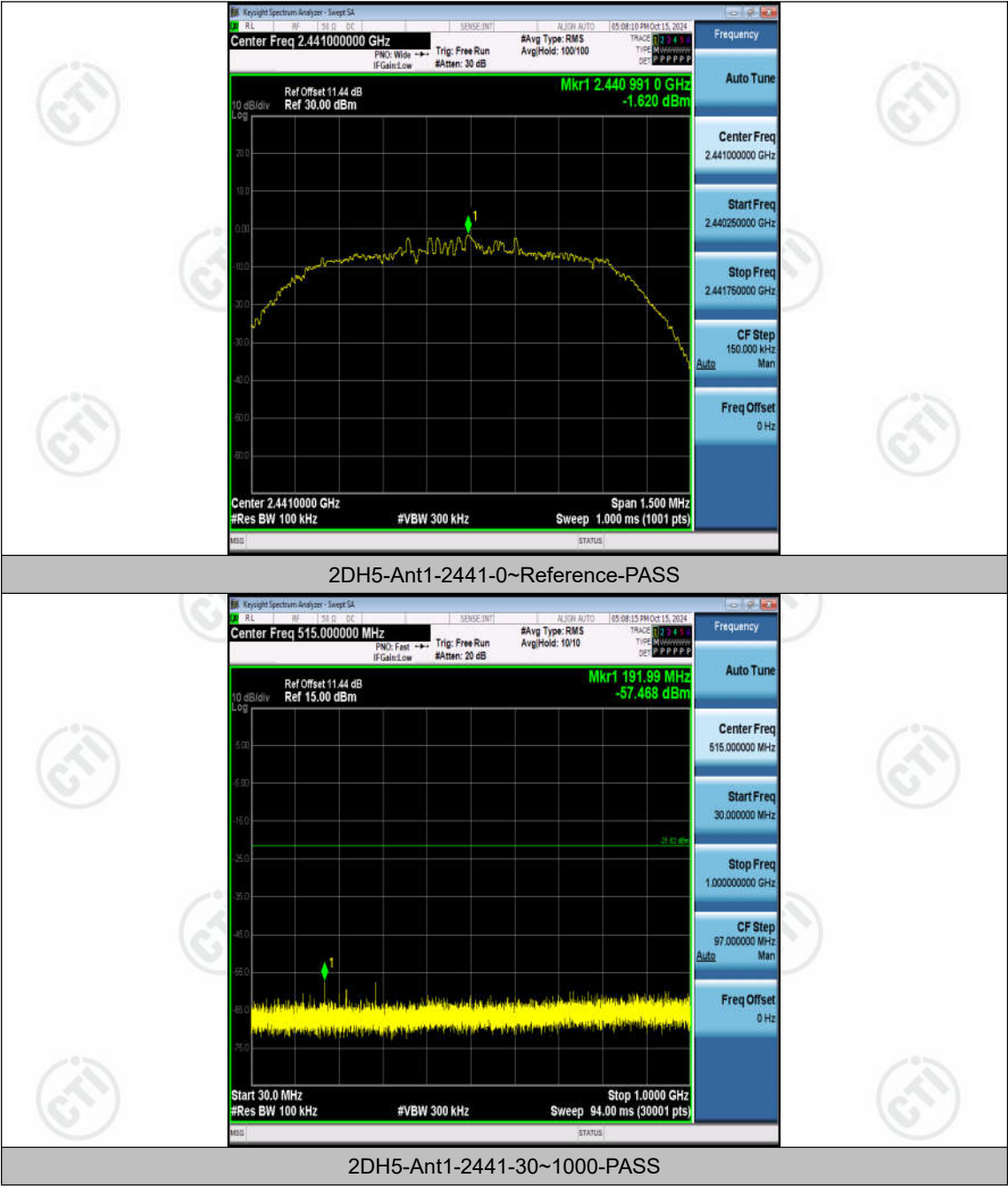


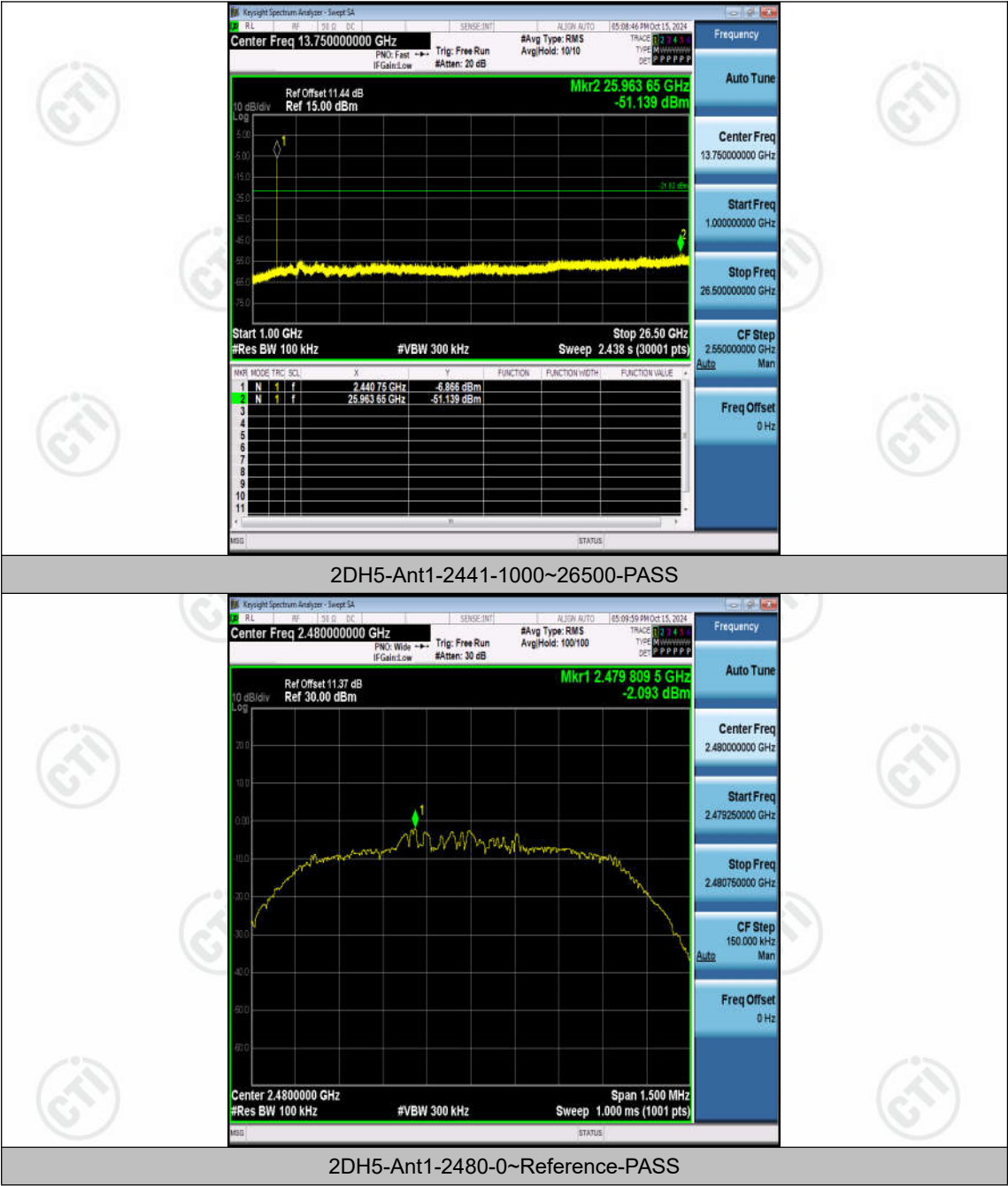


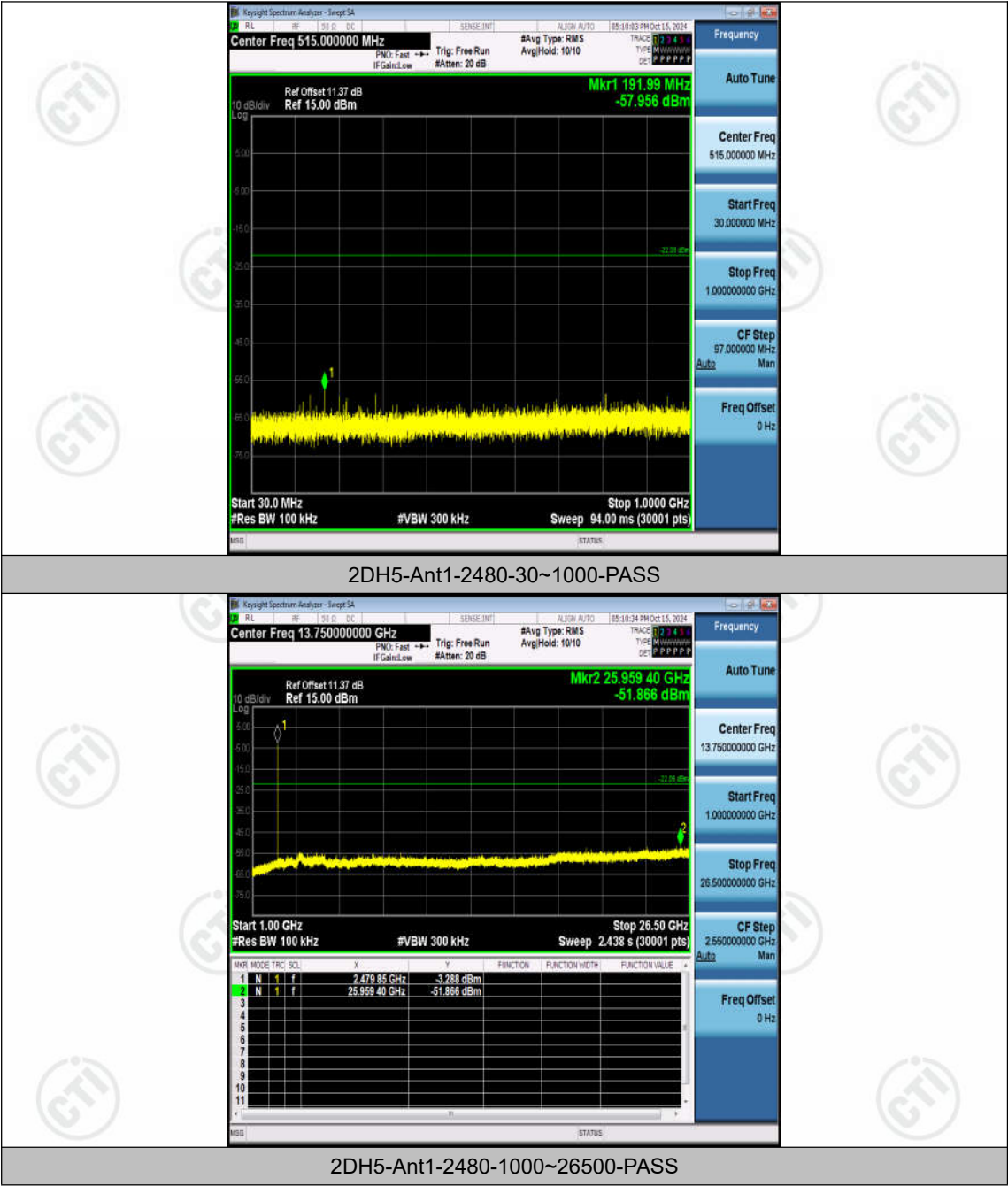


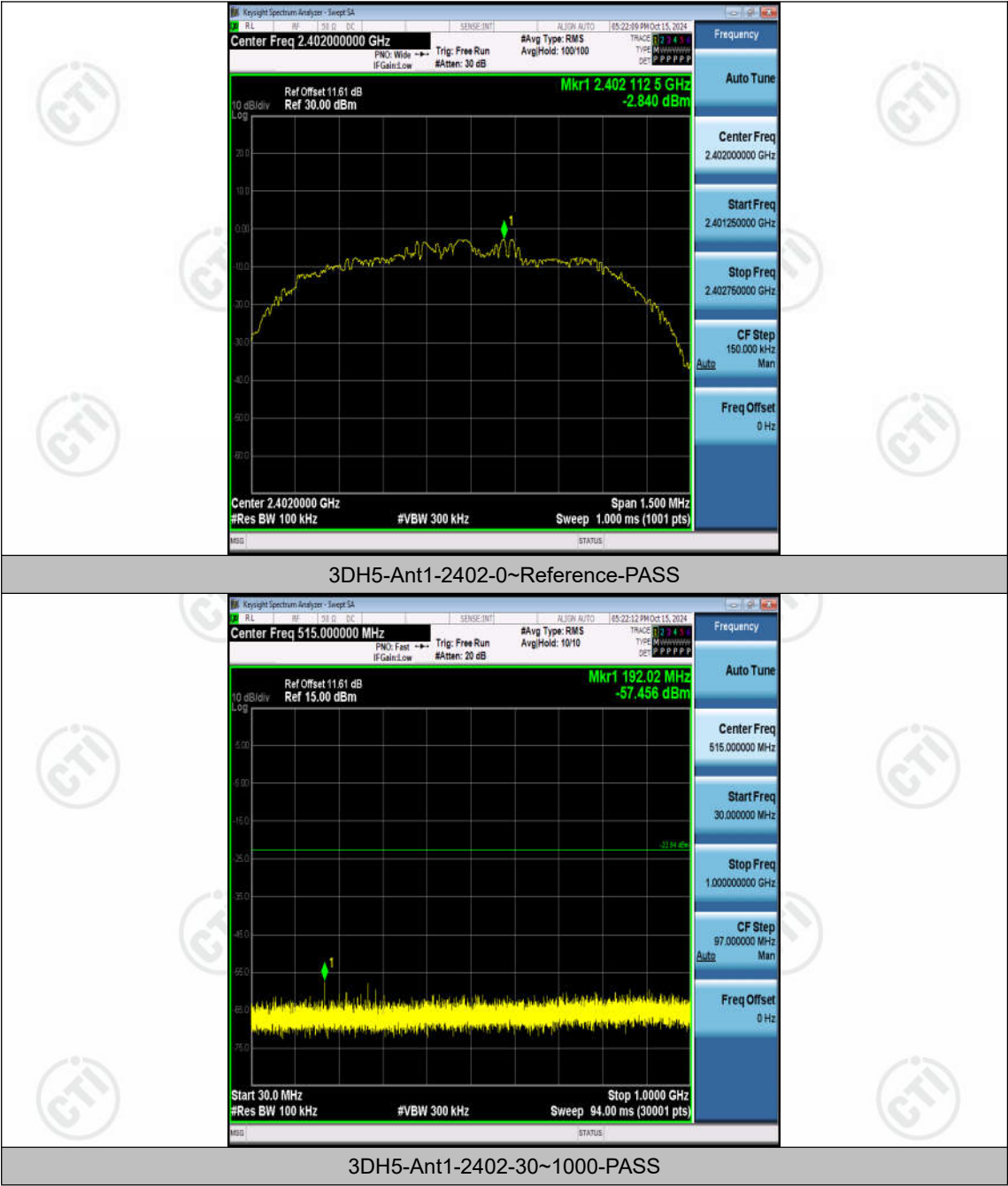


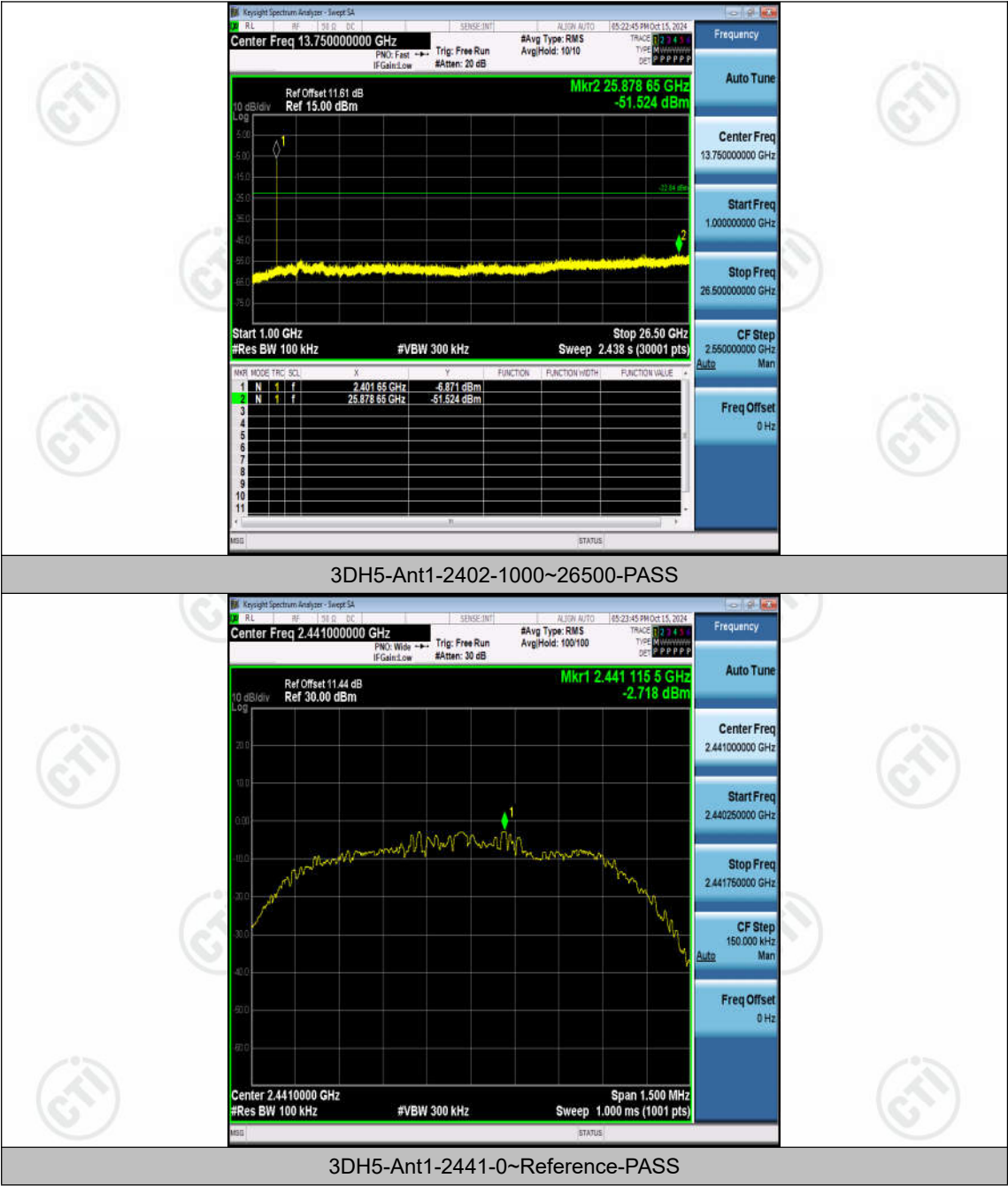


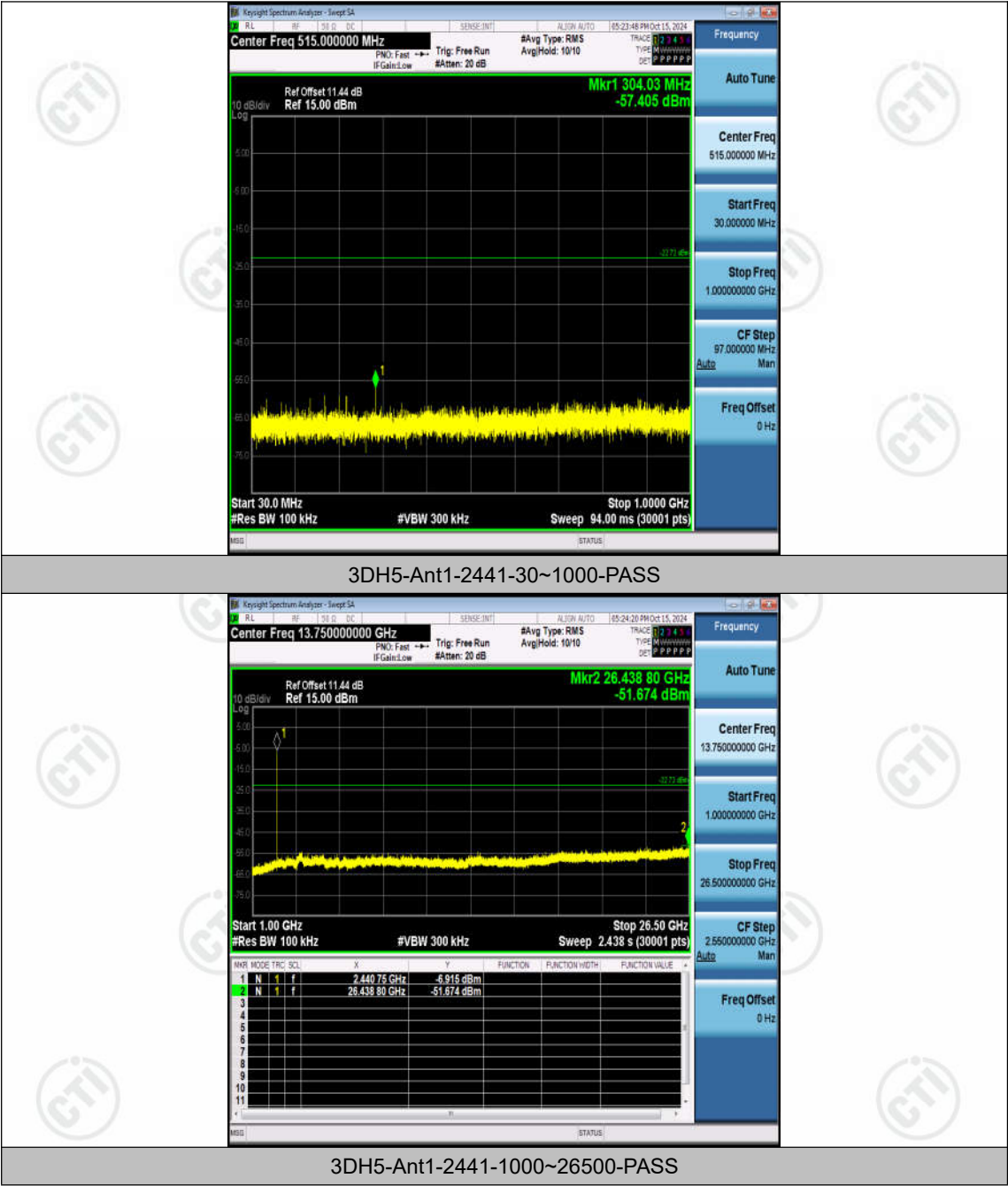


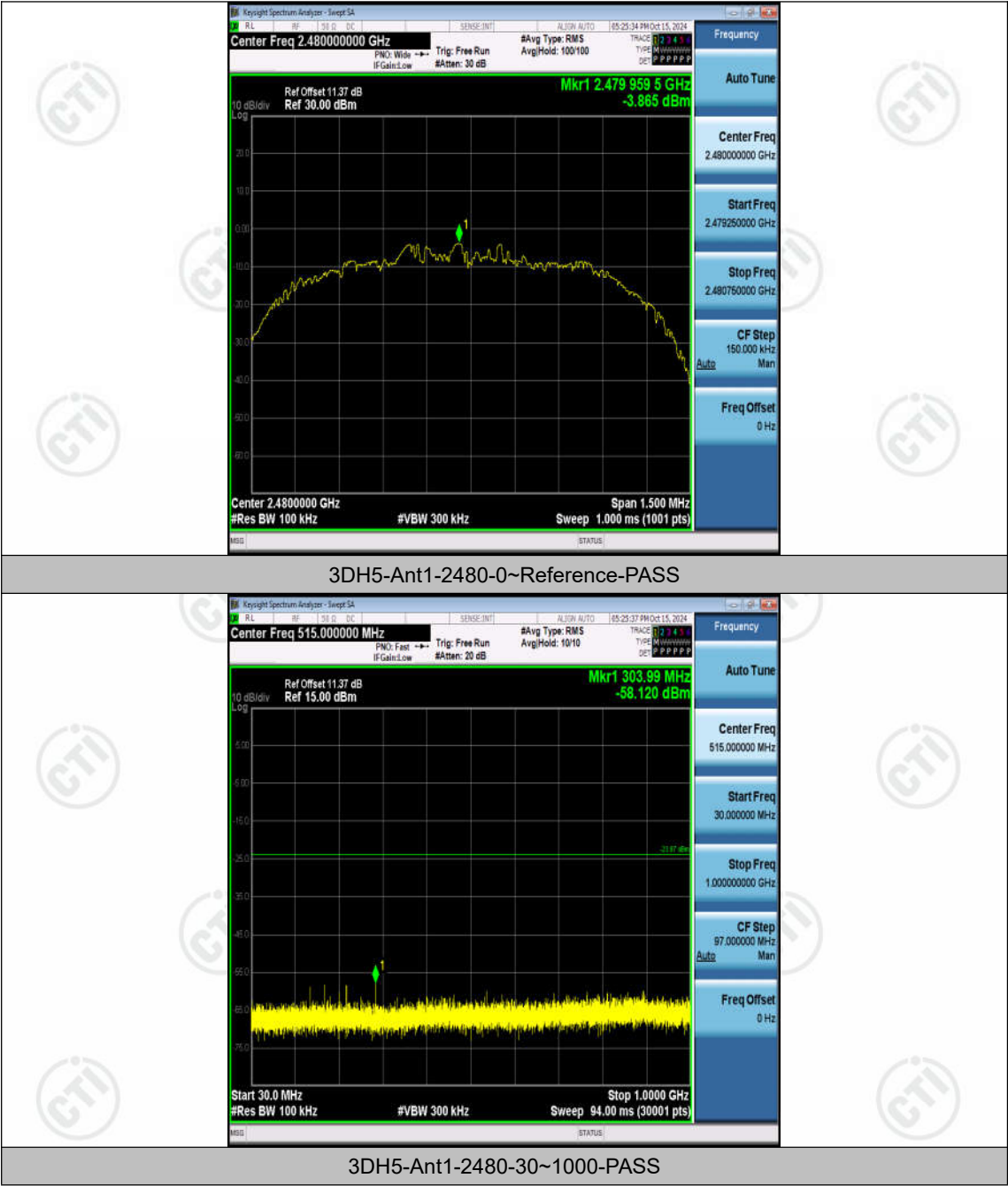


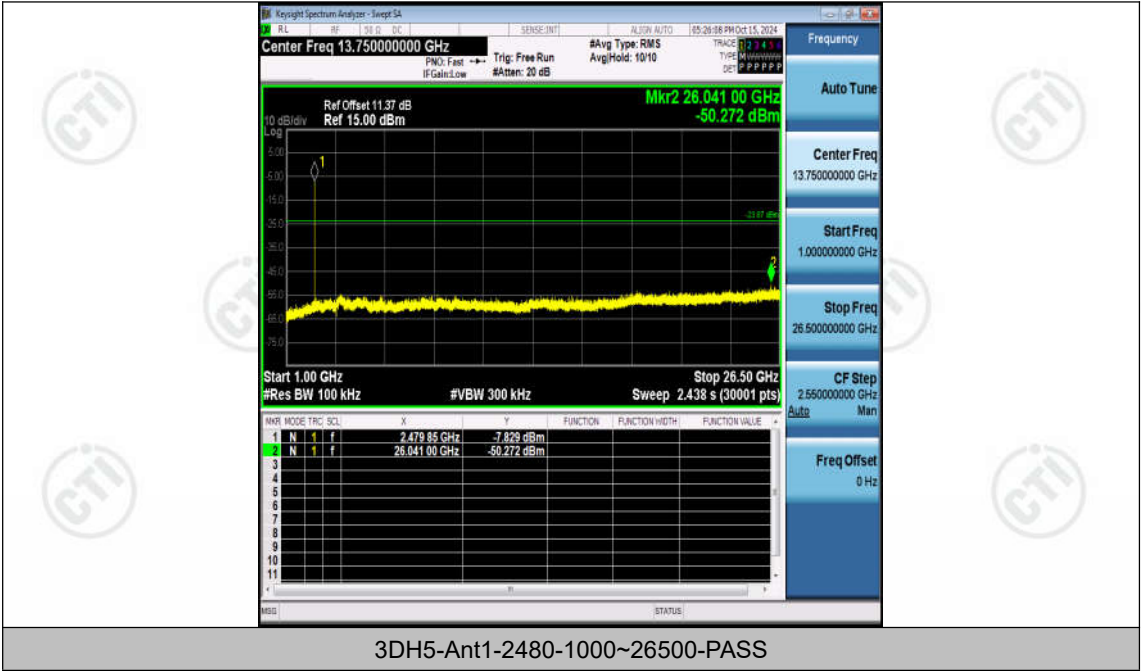












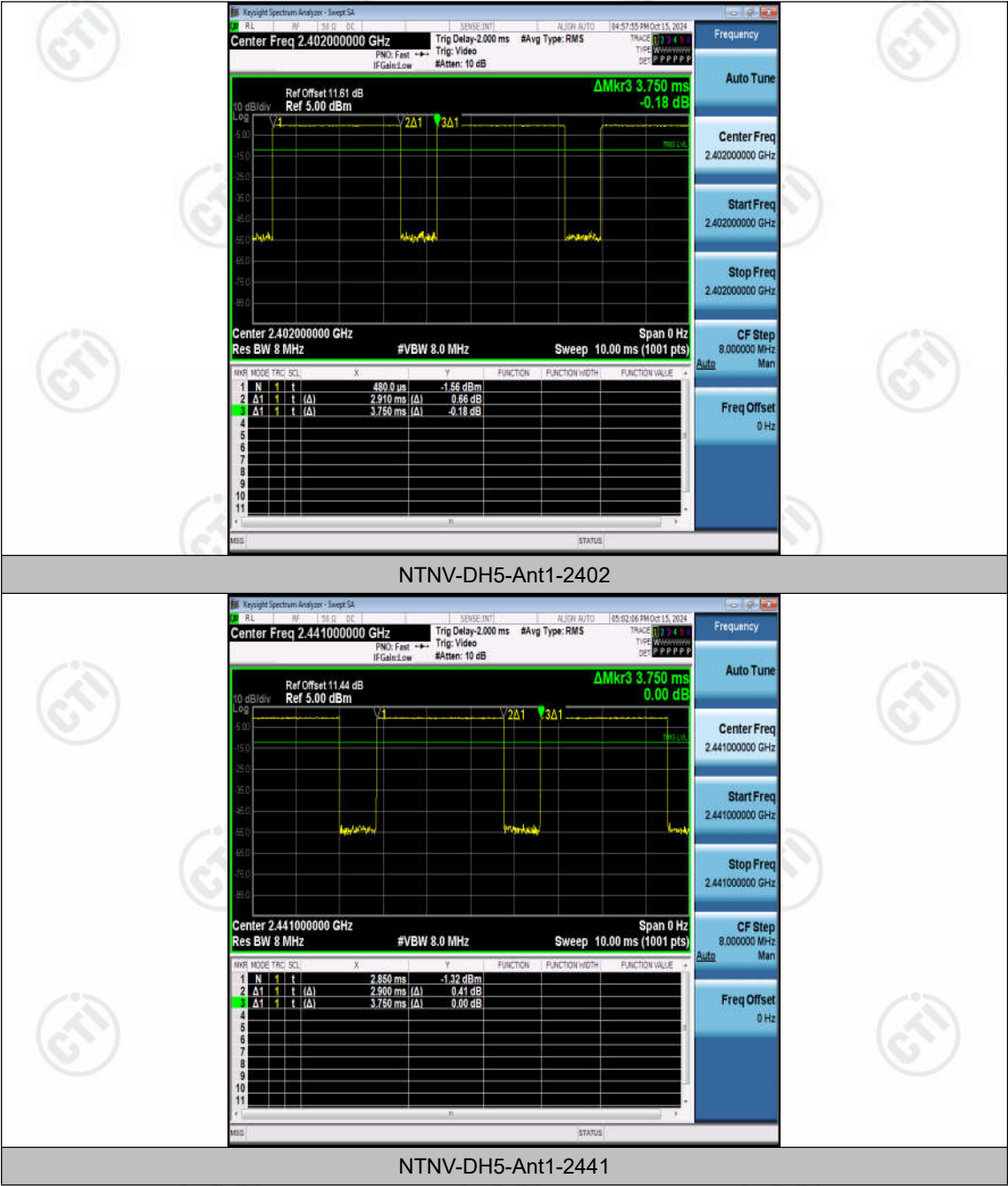
Appendix I: Duty Cycle

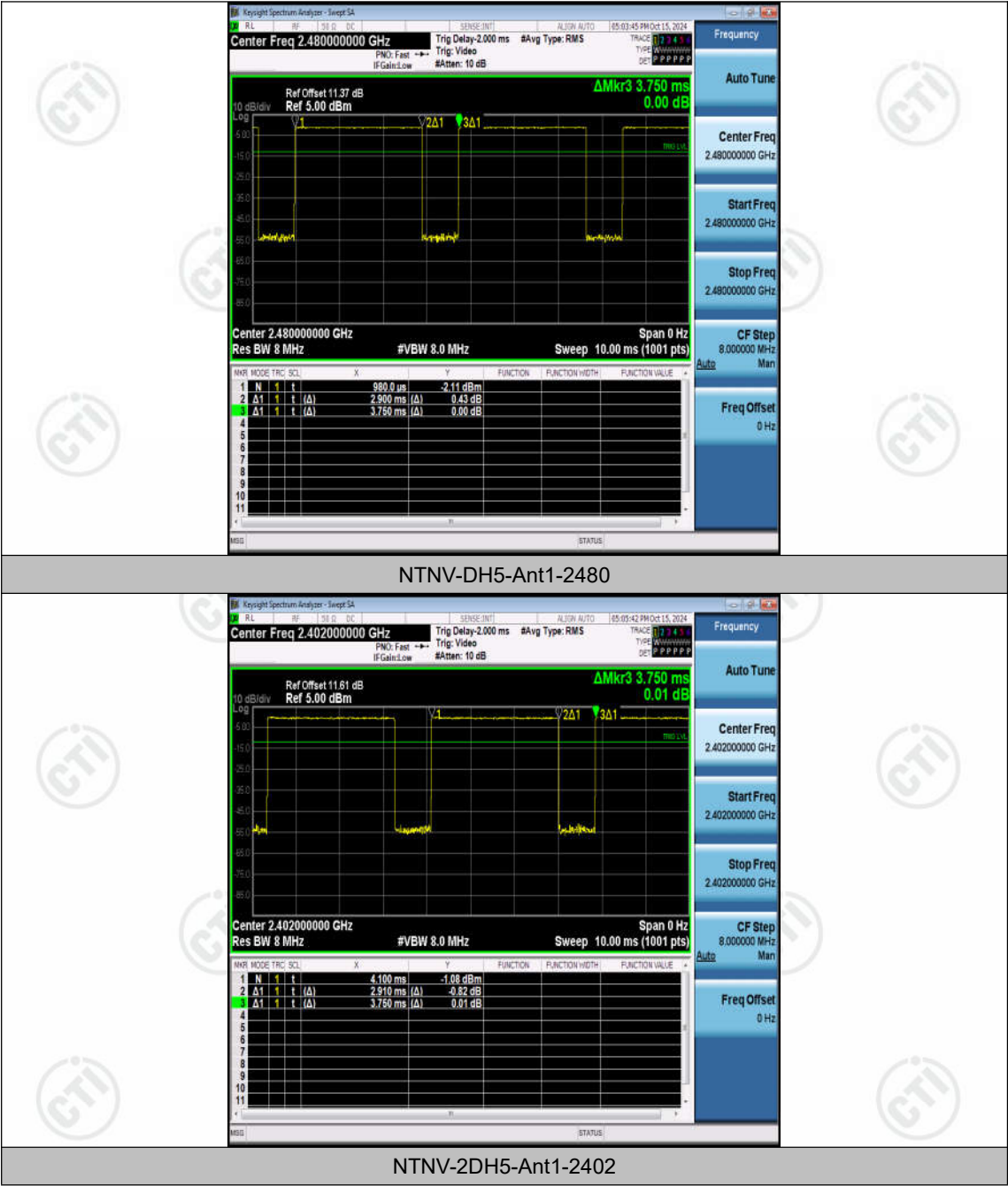
Test Result

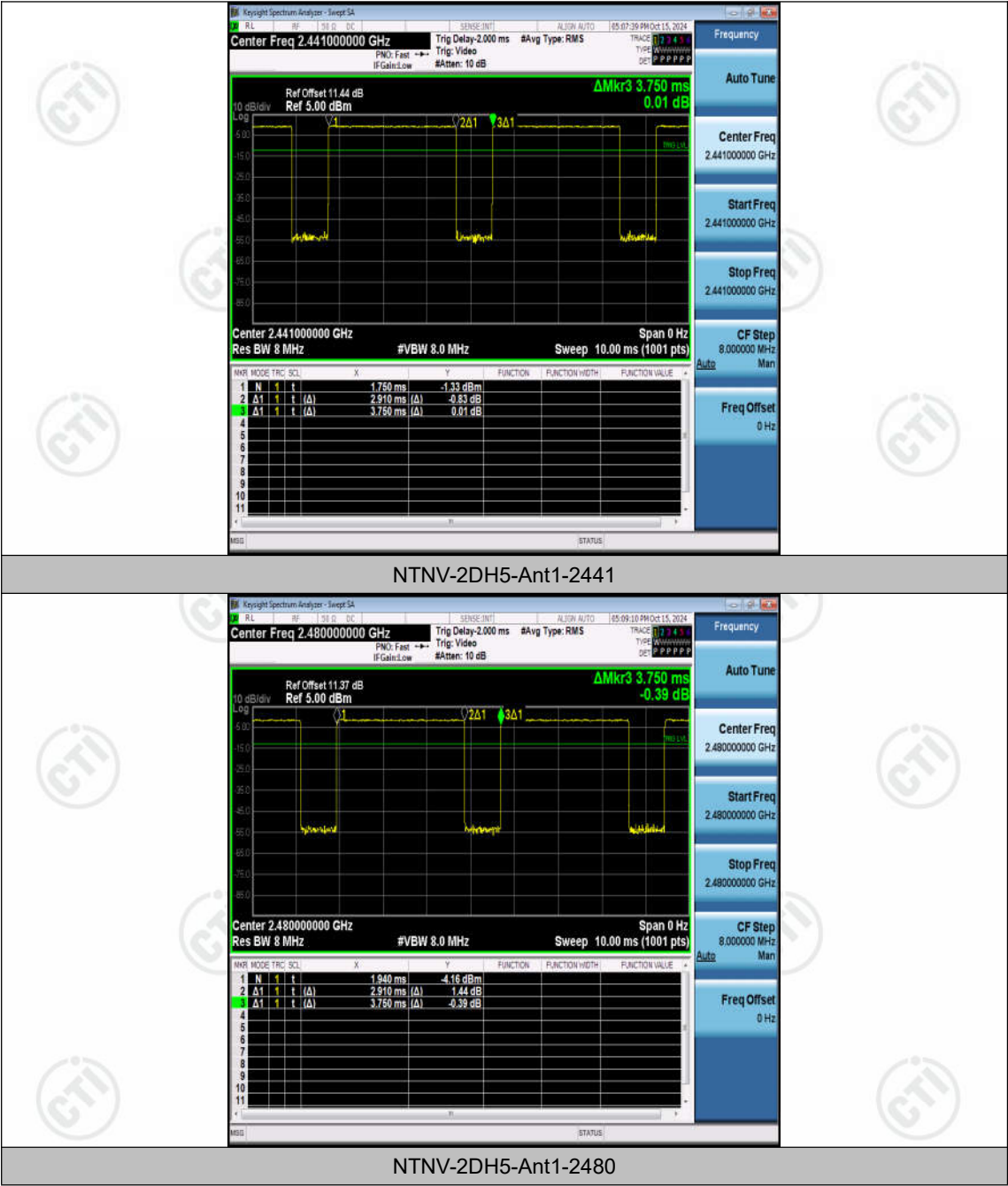
TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

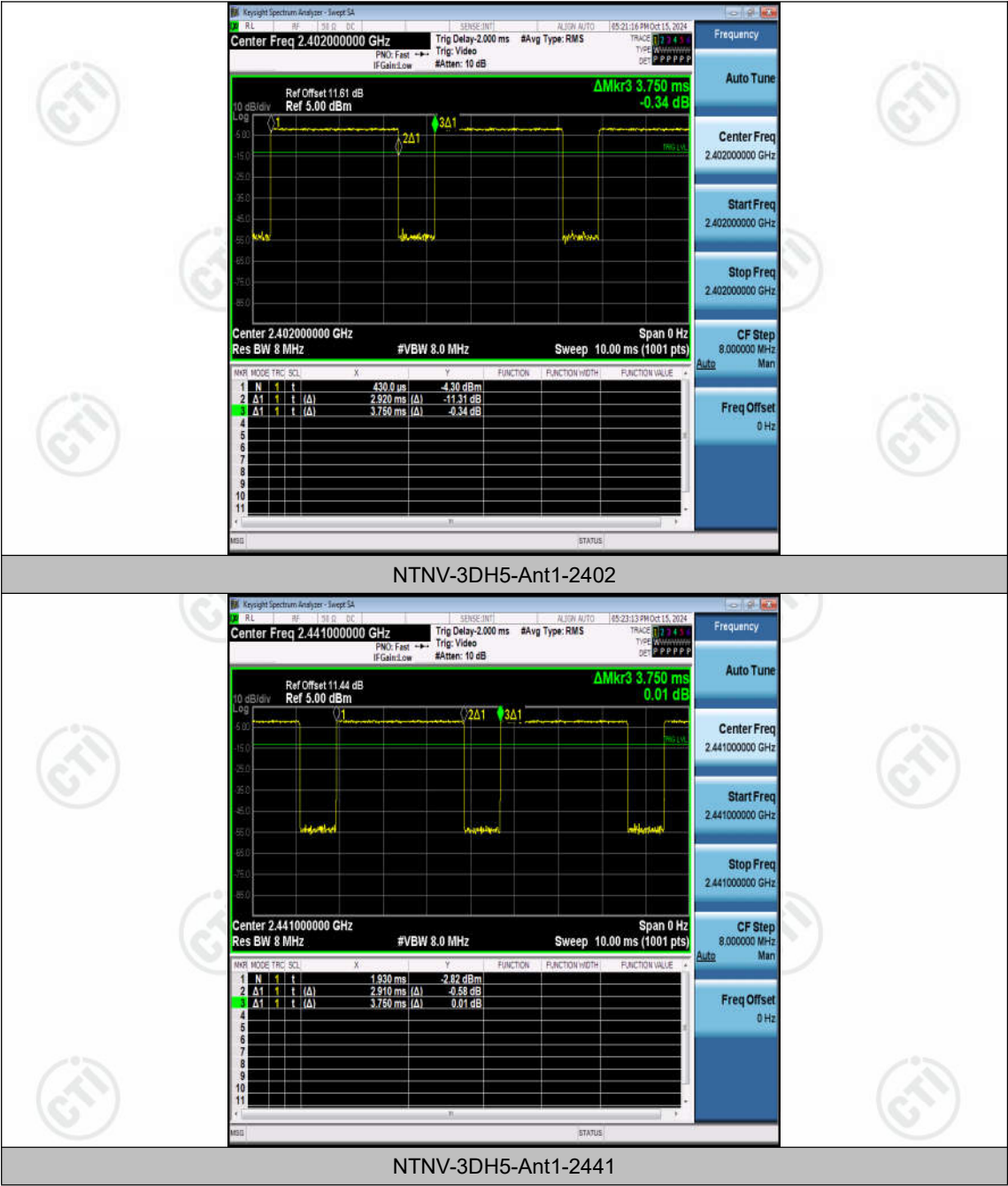
Note:Duty Cycle Factor[dB]=-10*Ig(Duty Cycle);

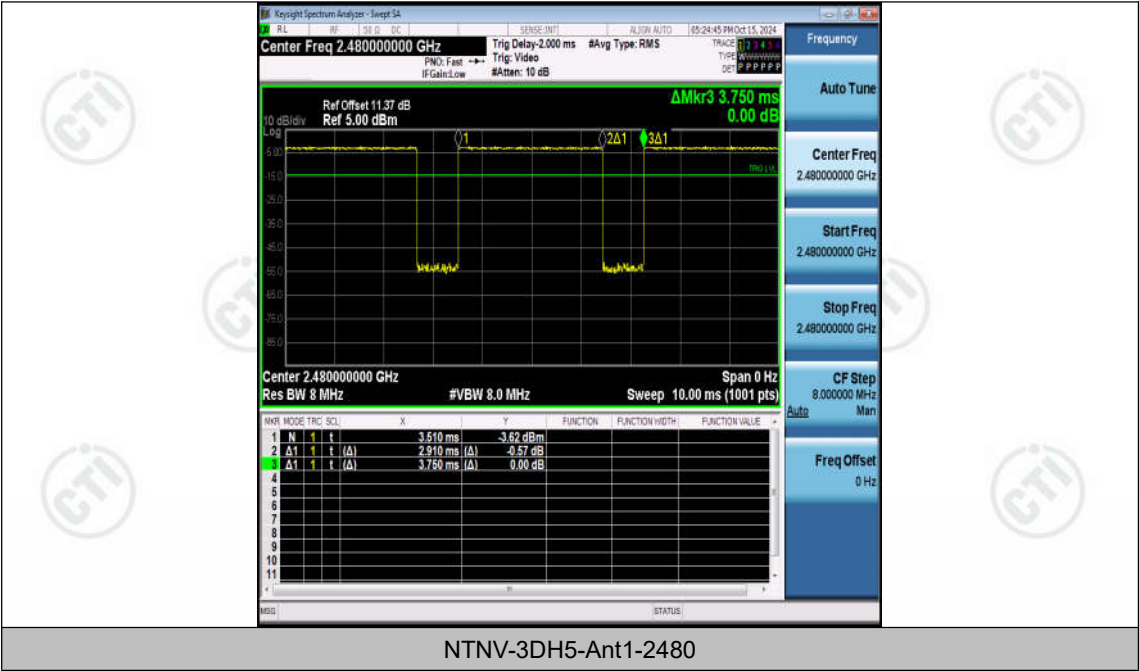
Test Graphs











NTNV-3DH5-Ant1-2480

END OF REPORT