

Appendix Test Data

Report No.:	1812C50139812501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.10	Finish Test Date:	2025.04.16
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.5°C	Relative Humidity:	40%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.708	2401.613	2402.321	---	---
DH5	Ant1	2441	0.708	2440.610	2441.318	---	---
DH5	Ant1	2480	0.735	2479.613	2480.348	---	---
2DH5	Ant1	2402	1.155	2401.424	2402.579	---	---
2DH5	Ant1	2441	1.155	2440.421	2441.576	---	---
2DH5	Ant1	2480	1.152	2479.421	2480.573	---	---
3DH5	Ant1	2402	1.128	2401.430	2402.558	---	---
3DH5	Ant1	2441	1.122	2440.430	2441.552	---	---
3DH5	Ant1	2480	1.143	2479.430	2480.573	---	---

Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.76978	2401.5962	2402.3659	---	---
DH5	Ant1	2441	0.78193	2440.5949	2441.3768	---	---
DH5	Ant1	2480	0.77537	2479.5927	2480.3681	---	---
2DH5	Ant1	2402	1.0793	2401.4502	2402.5295	---	---
2DH5	Ant1	2441	1.0845	2440.4500	2441.5345	---	---
2DH5	Ant1	2480	1.0875	2479.4497	2480.5372	---	---
3DH5	Ant1	2402	1.0856	2401.4538	2402.5394	---	---
3DH5	Ant1	2441	1.0849	2440.4542	2441.5391	---	---
3DH5	Ant1	2480	1.0831	2479.4529	2480.5360	---	---



Test Graphs



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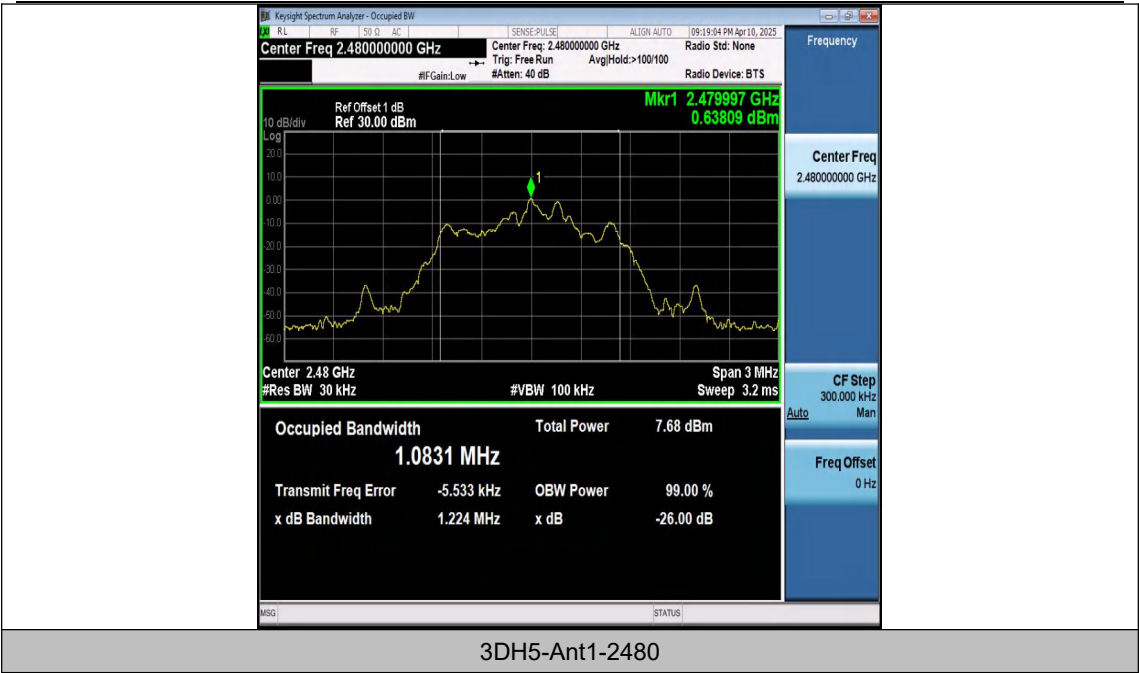
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
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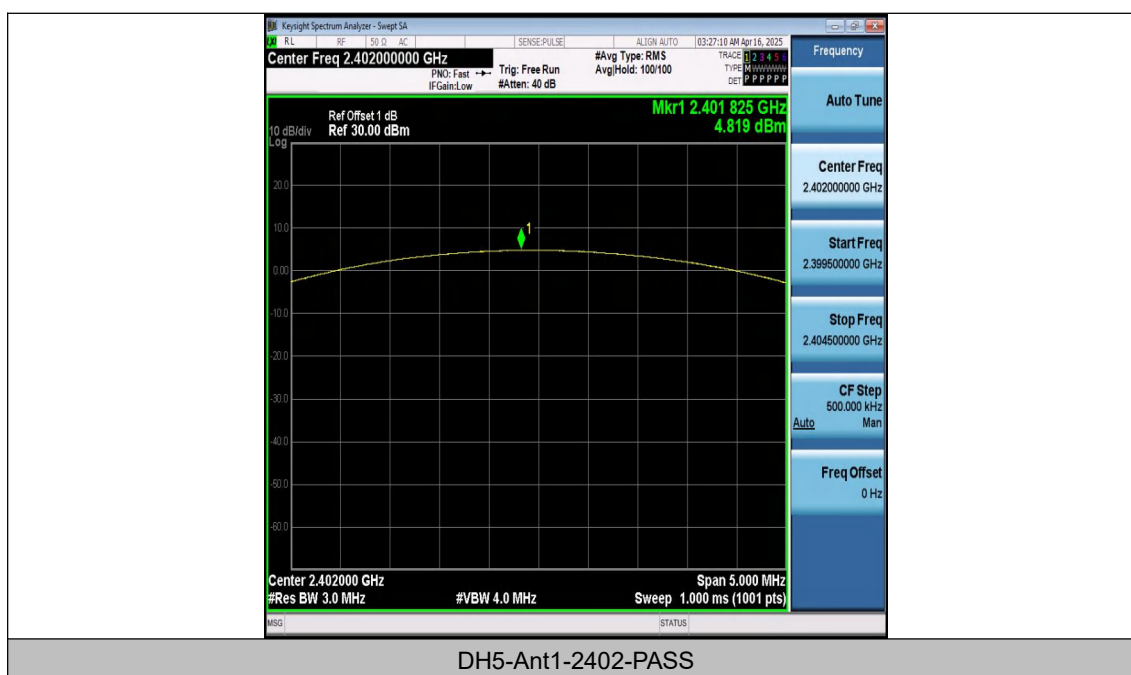
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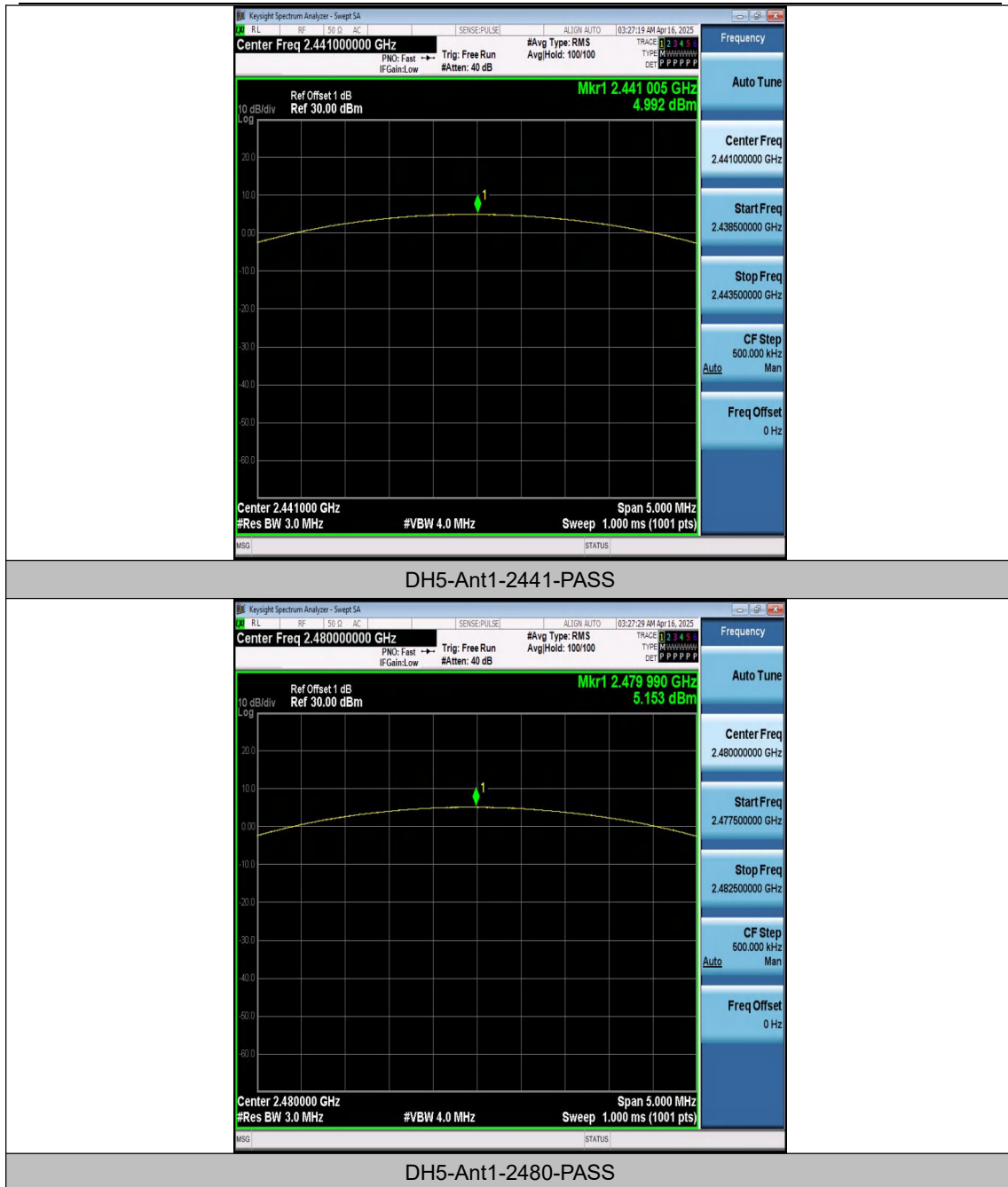
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.82	≤20.97	PASS
DH5	Ant1	2441	4.99	≤20.97	PASS
DH5	Ant1	2480	5.15	≤20.97	PASS
2DH5	Ant1	2402	3.96	≤20.97	PASS
2DH5	Ant1	2441	4.05	≤20.97	PASS
2DH5	Ant1	2480	4.18	≤20.97	PASS
3DH5	Ant1	2402	3.82	≤20.97	PASS
3DH5	Ant1	2441	3.92	≤20.97	PASS
3DH5	Ant1	2480	4.04	≤20.97	PASS

Test Graphs



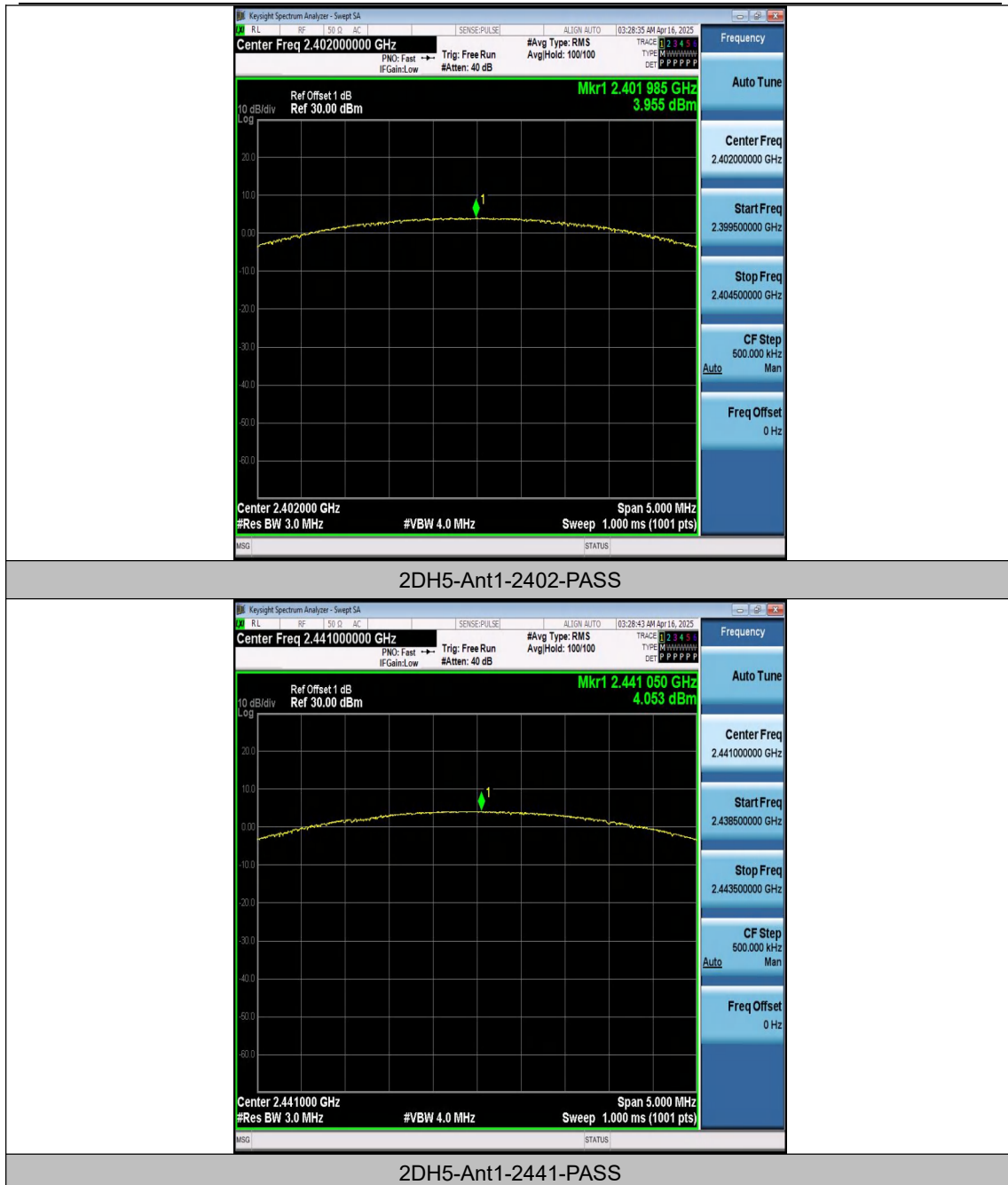


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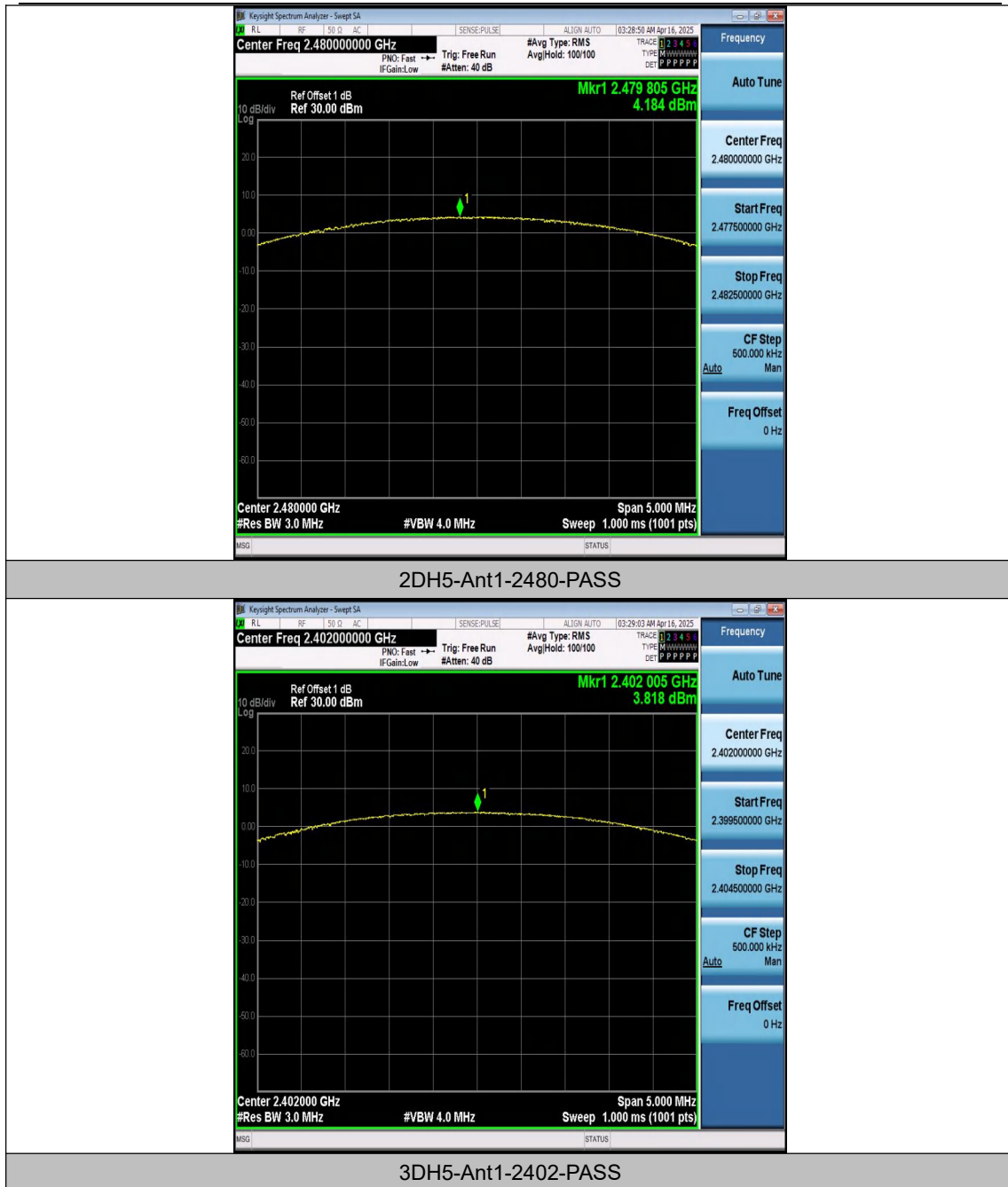
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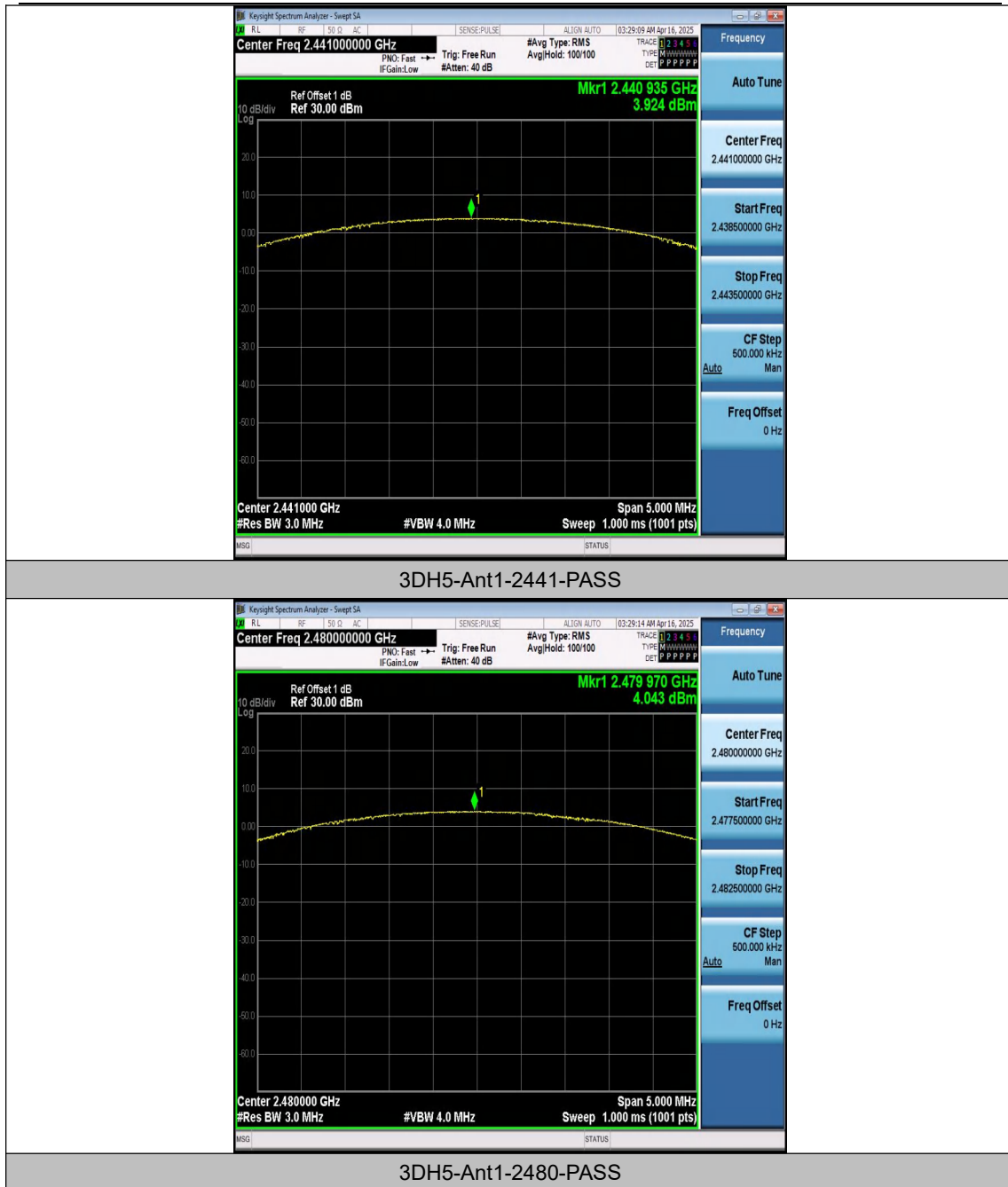
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.846	≥ 0.735	PASS
2DH5	Ant1	Hop	1.008	≥ 0.770	PASS
3DH5	Ant1	Hop	1.318	≥ 1.143	PASS

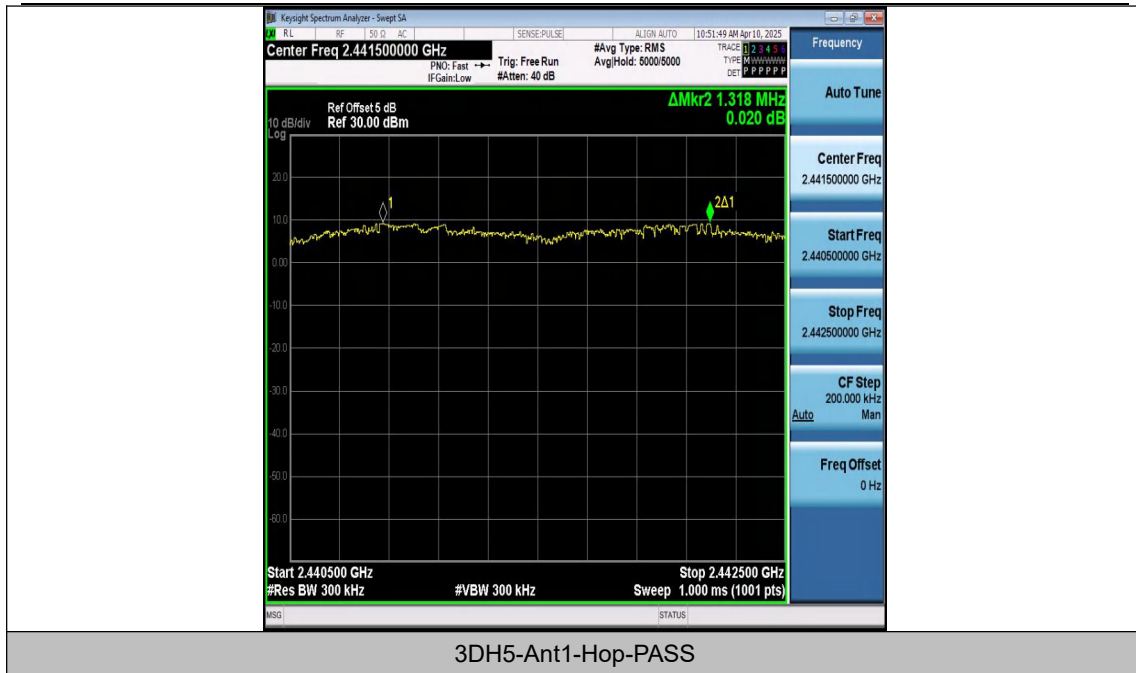
Test Graphs



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Appendix E: Dwell Time

Test Result

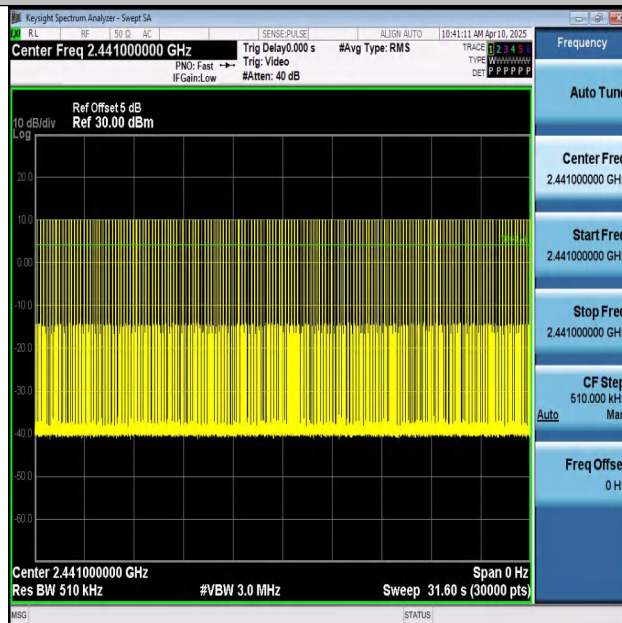
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.376	316	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.633	114	0.186	≤0.4	PASS
DH5	Ant1	Hop	2.880	79	0.228	≤0.4	PASS
2DH1	Ant1	Hop	0.386	318	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.639	102	0.167	≤0.4	PASS
2DH5	Ant1	Hop	2.887	66	0.191	≤0.4	PASS
3DH1	Ant1	Hop	0.388	316	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.637	116	0.19	≤0.4	PASS
3DH5	Ant1	Hop	2.888	59	0.17	≤0.4	PASS



Test Graphs

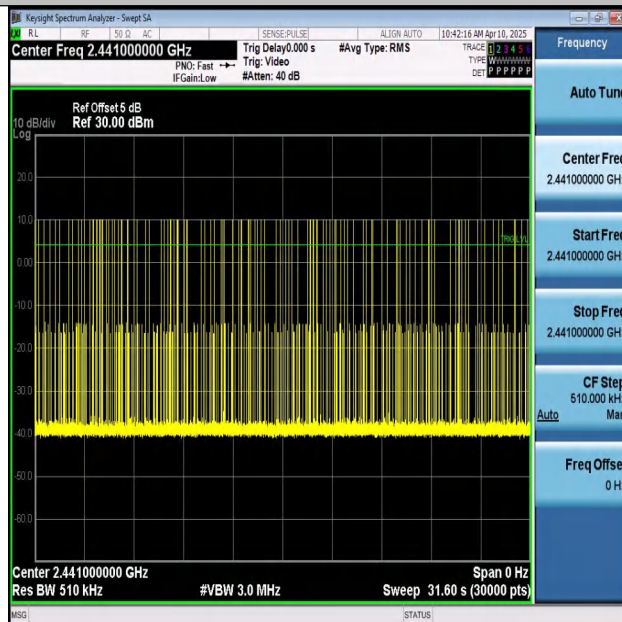
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DH1-Ant1-Hop-PASS



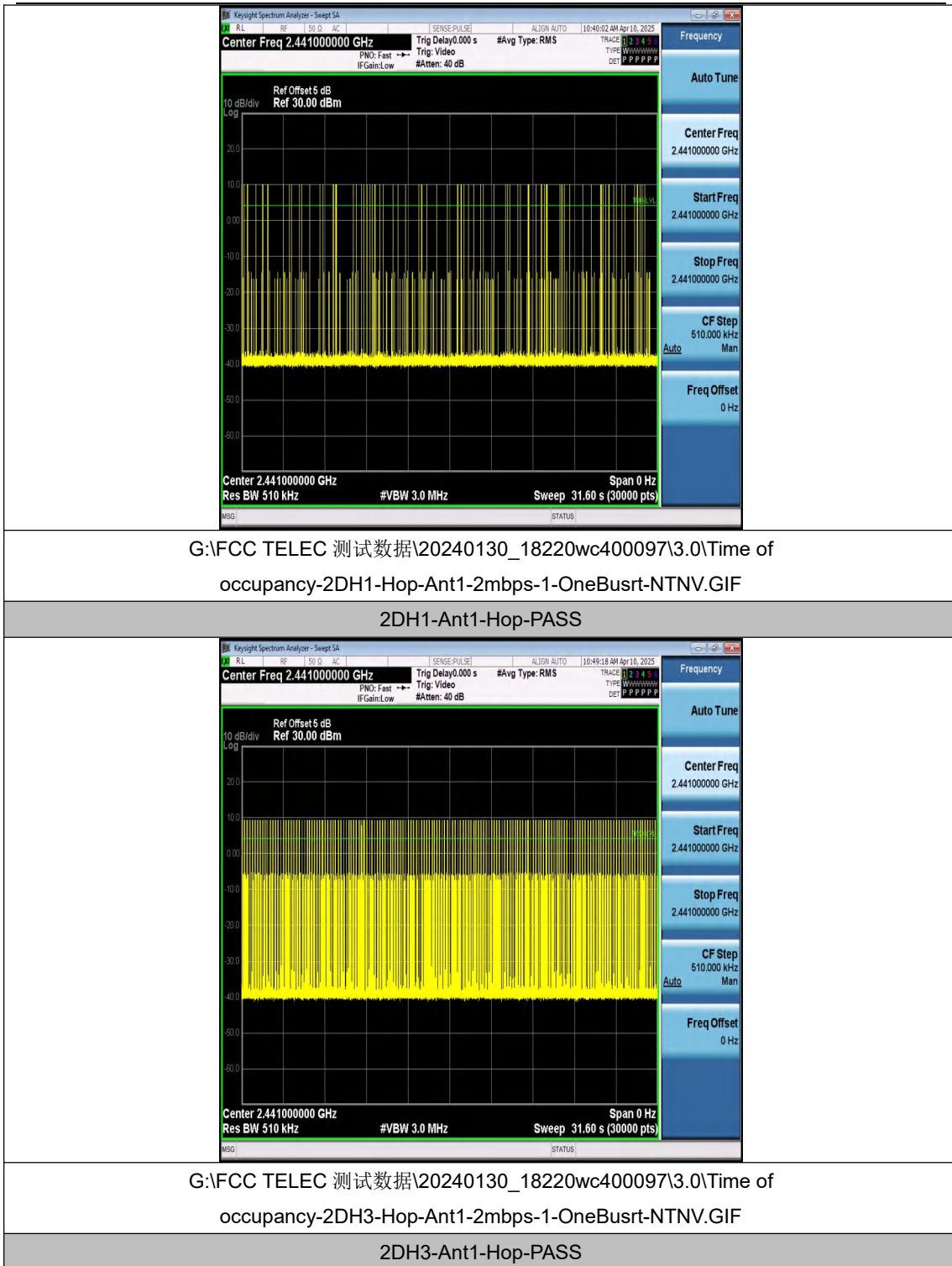
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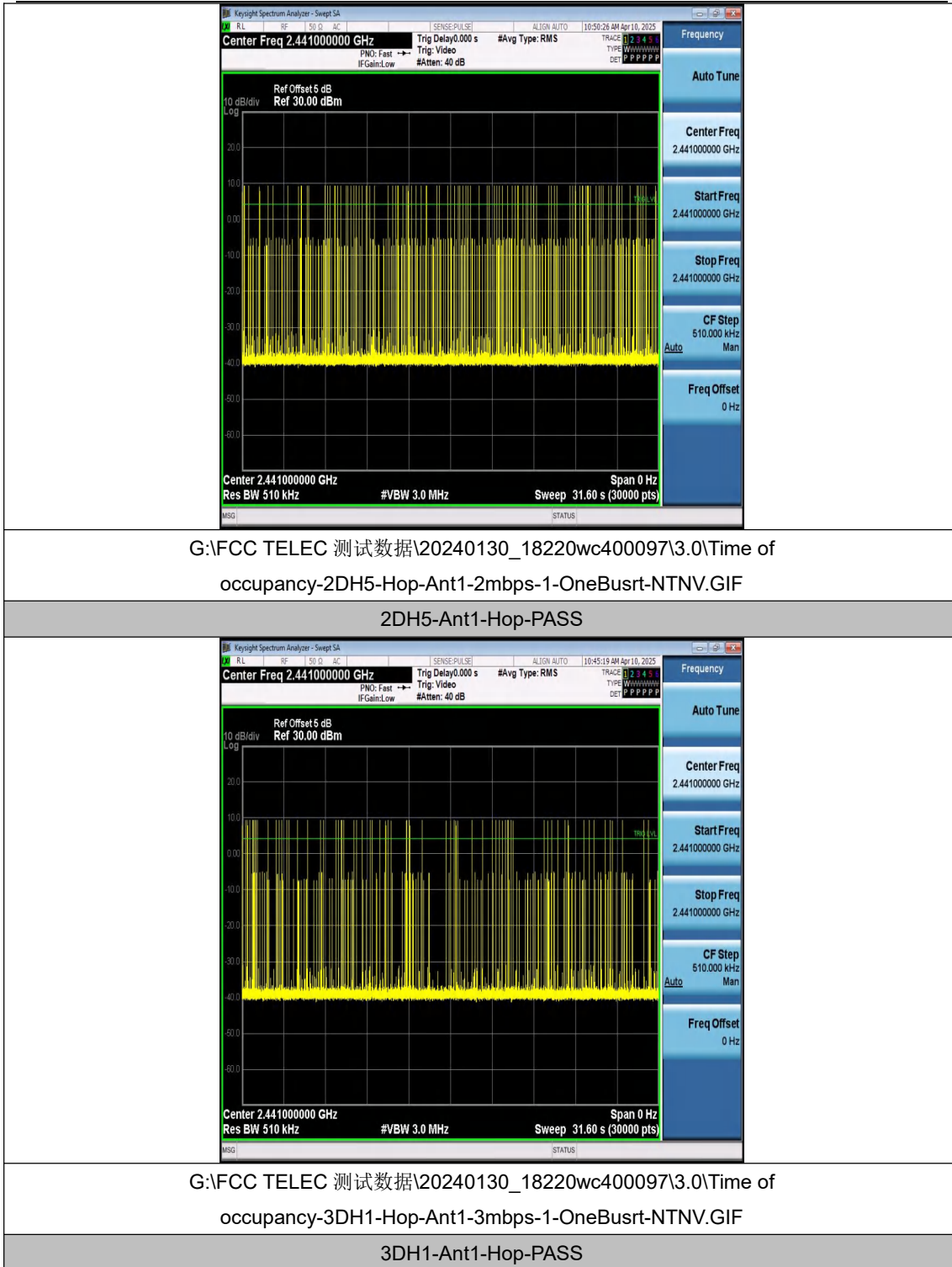
DH3-Ant1-Hop-PASS

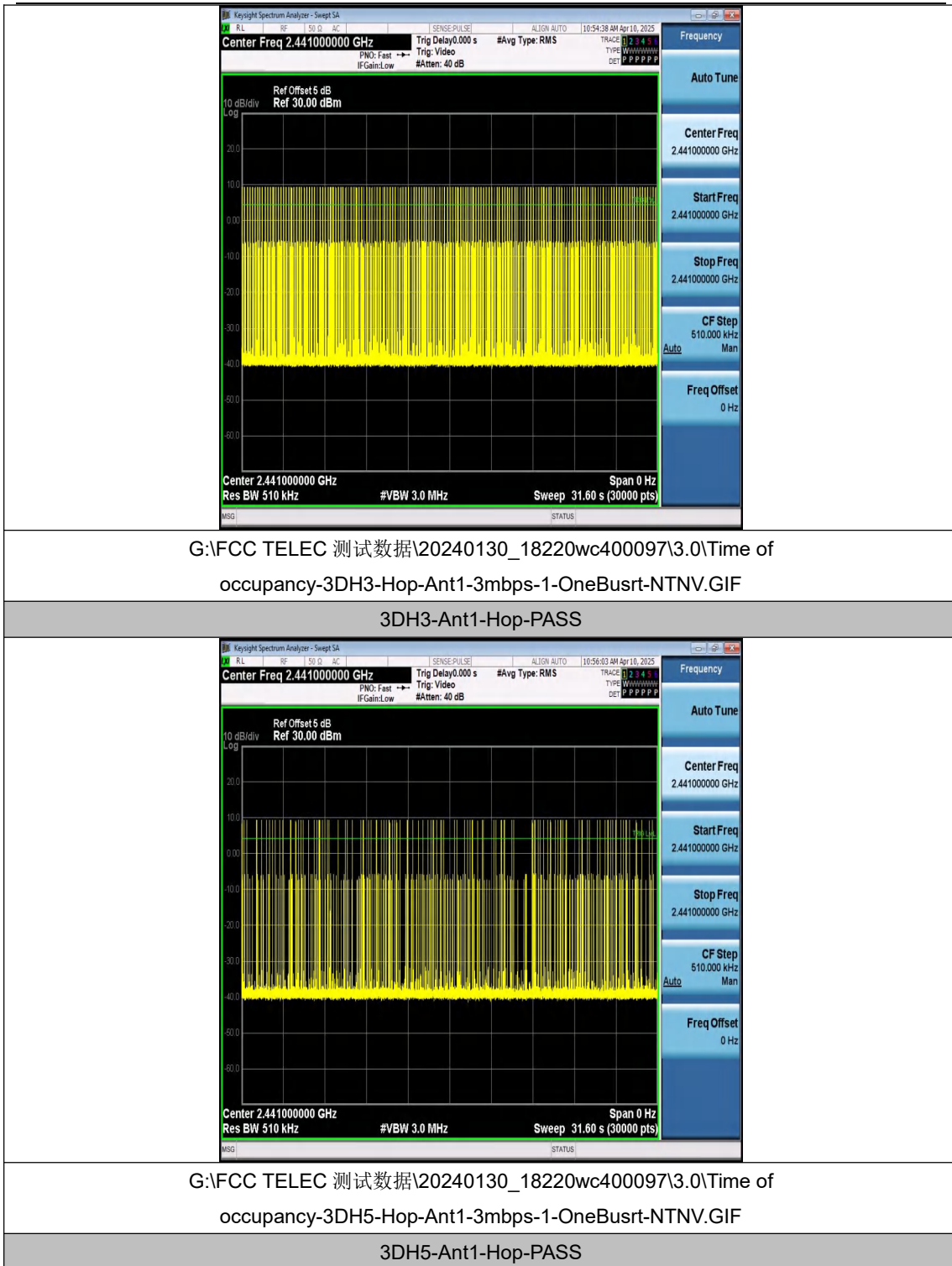


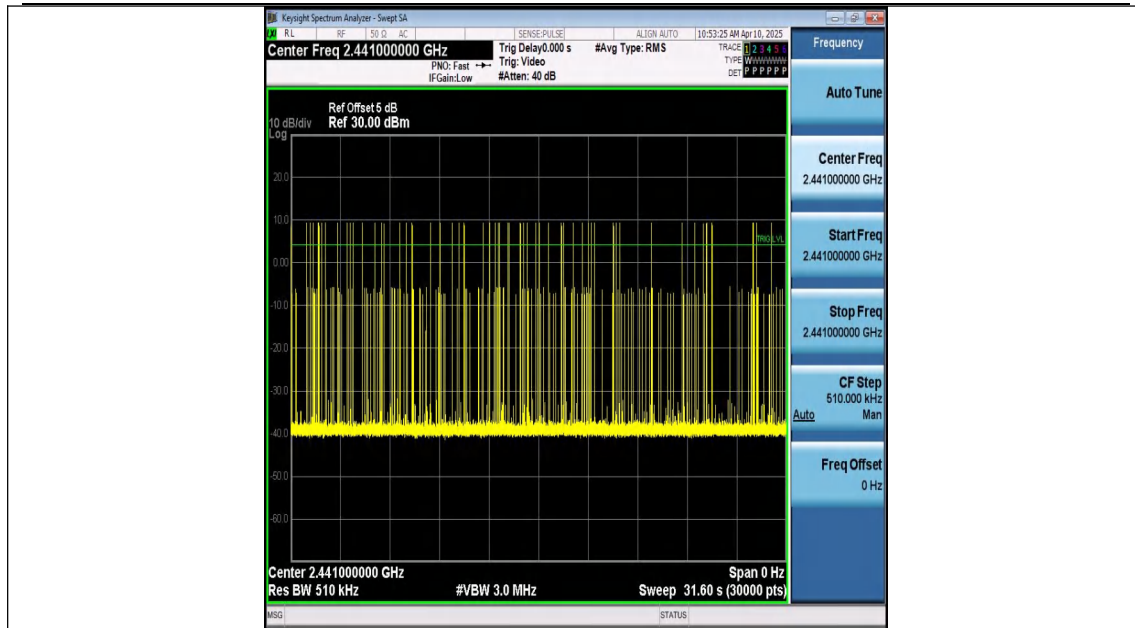
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DH5-Ant1-Hop-PASS









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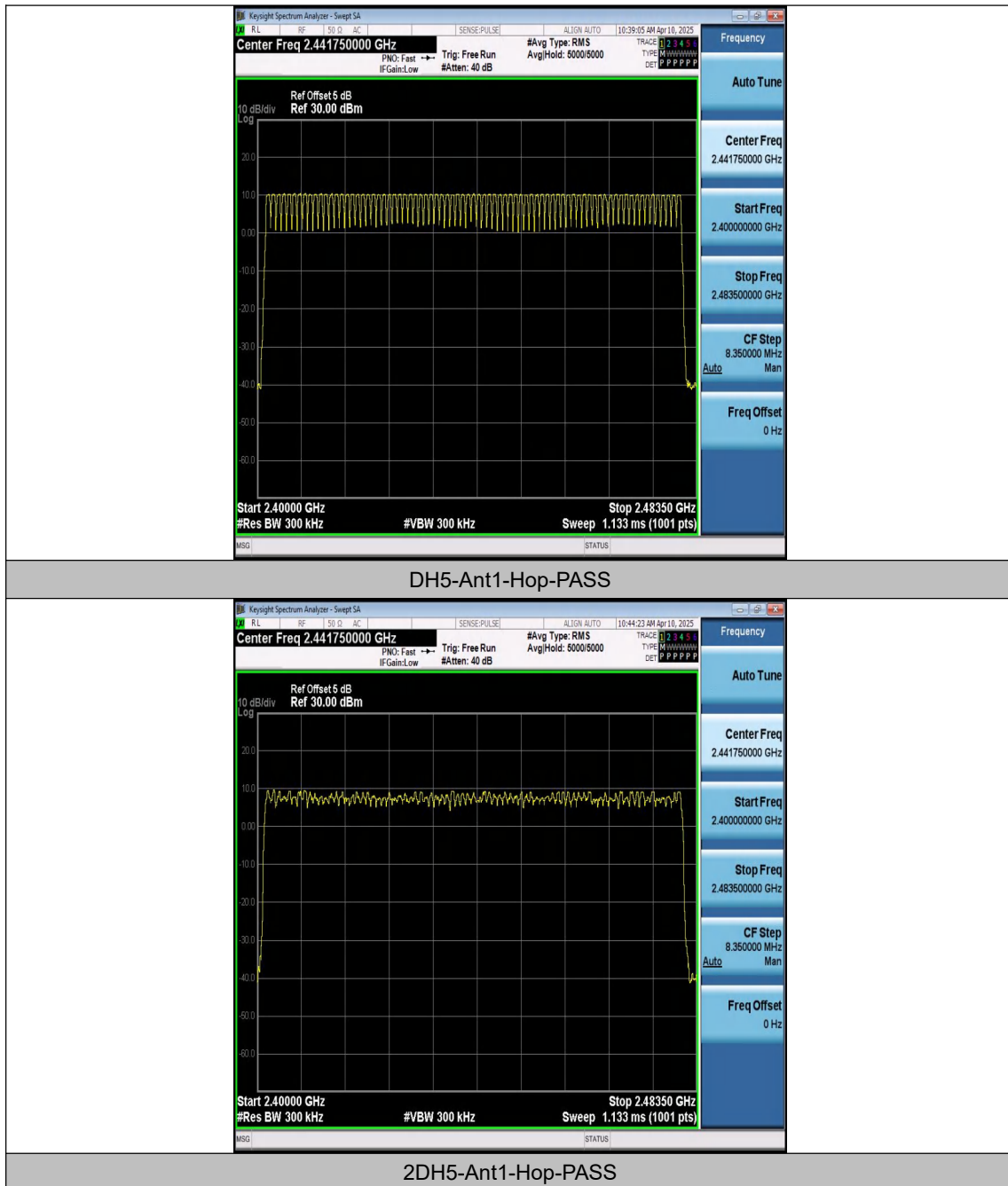
Appendix F: Number of Hopping Channel

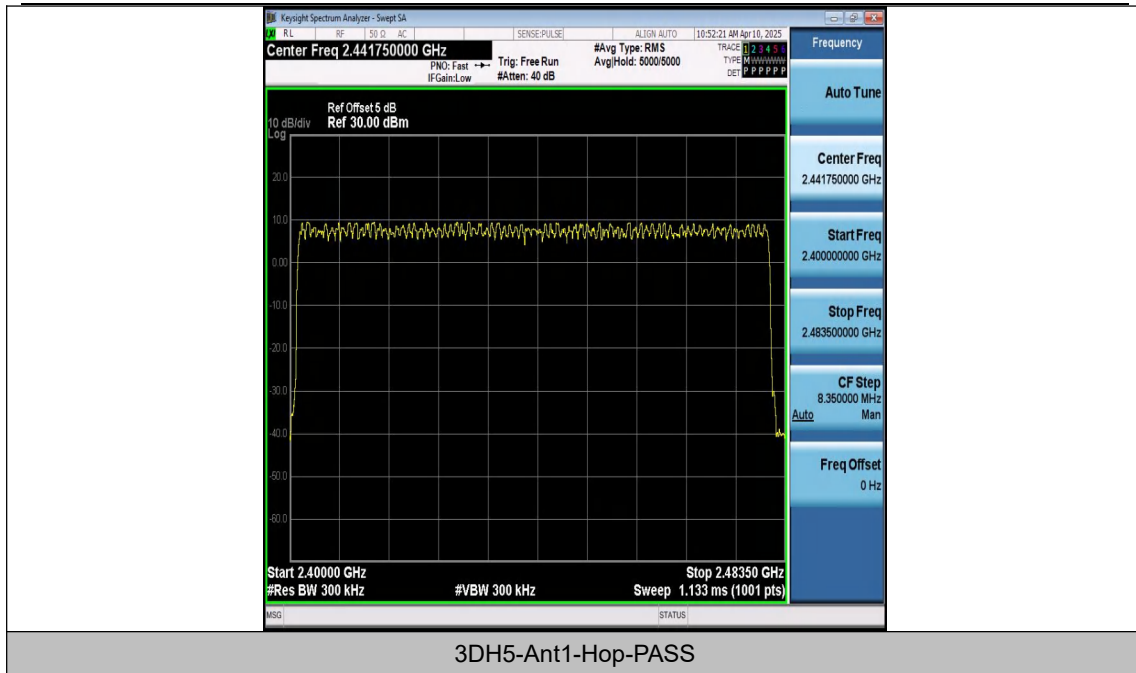
Test Result

Test Mode	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





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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.78	-55.09	≤-17.22	PASS
DH5	Ant1	High	2480	2.55	-57.37	≤-17.45	PASS
DH5	Ant1	Low	Hop_2402	0.58	-56.72	≤-19.42	PASS
DH5	Ant1	High	Hop_2480	0.69	-55.87	≤-19.31	PASS
2DH5	Ant1	Low	2402	1.12	-54.84	≤-18.88	PASS
2DH5	Ant1	High	2480	1.75	-57.57	≤-18.25	PASS
2DH5	Ant1	Low	Hop_2402	-1.20	-56.87	≤-21.2	PASS
2DH5	Ant1	High	Hop_2480	-0.16	-56.22	≤-20.16	PASS
3DH5	Ant1	Low	2402	1.02	-55.5	≤-18.98	PASS
3DH5	Ant1	High	2480	0.70	-57.92	≤-19.3	PASS
3DH5	Ant1	Low	Hop_2402	-3.29	-56.66	≤-23.29	PASS
3DH5	Ant1	High	Hop_2480	-1.41	-56.35	≤-21.41	PASS

