

Appendix Test Data

Report No.:	1812C50559612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-25	Finish Test Date:	2025-10-30
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.6°C	Relative Humidity:	42%
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	0.951	2401.544	2402.495	---	---
DH5	Ant1	2441	0.966	2440.538	2441.504	---	---
DH5	Ant1	2480	0.984	2479.520	2480.504	---	---
2DH5	Ant1	2402	1.191	2401.409	2402.600	---	---
2DH5	Ant1	2441	1.182	2440.415	2441.597	---	---
2DH5	Ant1	2480	1.182	2479.409	2480.591	---	---
3DH5	Ant1	2402	1.020	2401.490	2402.510	---	---
3DH5	Ant1	2441	1.095	2440.460	2441.555	---	---
3DH5	Ant1	2480	1.017	2479.463	2480.480	---	---

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	0.89304	2401.5649	2402.4579	---	---
DH5	Ant1	2441	0.88841	2440.5647	2441.4531	---	---
DH5	Ant1	2480	0.89454	2479.5640	2480.4586	---	---
2DH5	Ant1	2402	1.1509	2401.4316	2402.5825	---	---
2DH5	Ant1	2441	1.1502	2440.4322	2441.5824	---	---
2DH5	Ant1	2480	1.1621	2479.4253	2480.5874	---	---
3DH5	Ant1	2402	0.97686	2401.5282	2402.5050	---	---
3DH5	Ant1	2441	1.0043	2440.5305	2441.5348	---	---
3DH5	Ant1	2480	1.0124	2479.5120	2480.5244	---	---

Test Graphs



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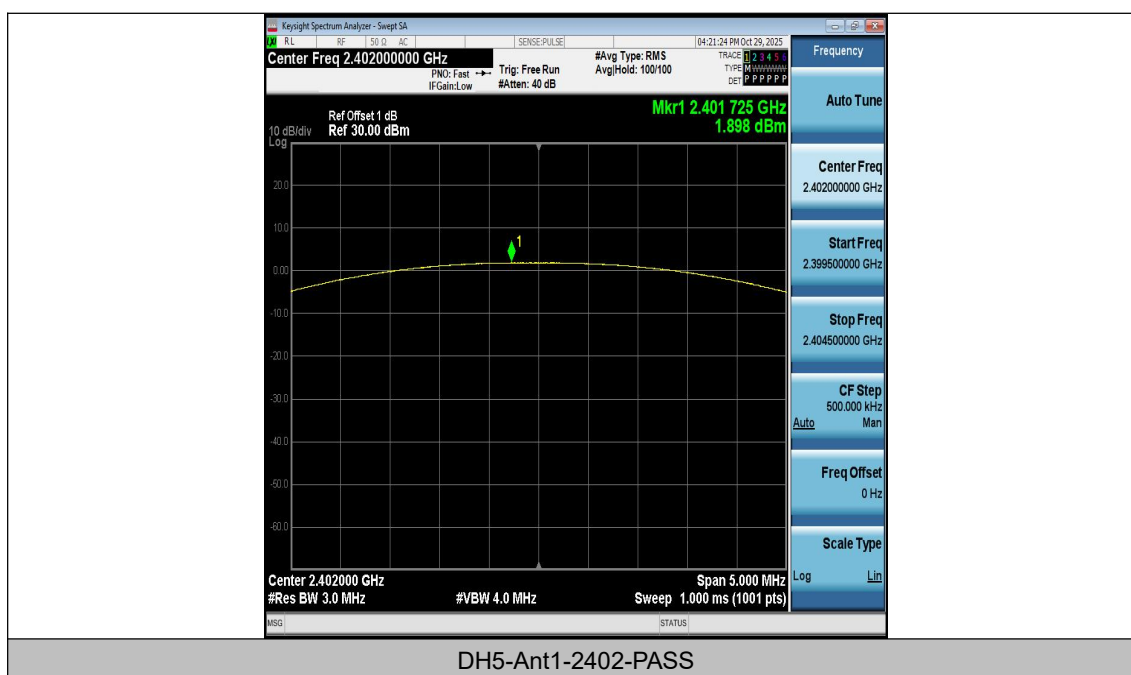
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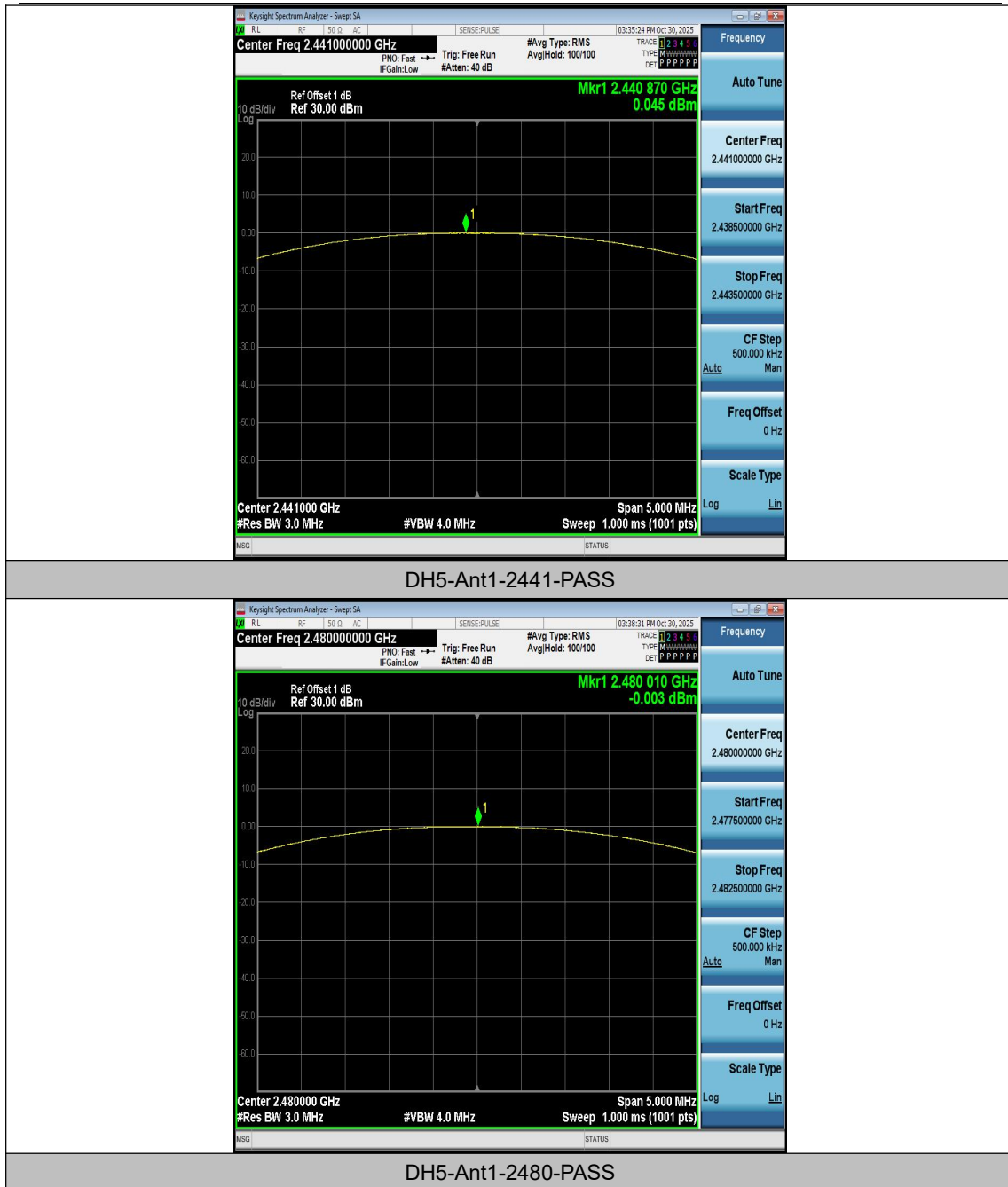
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.90	≤20.97	PASS
DH5	Ant1	2441	0.05	≤20.97	PASS
DH5	Ant1	2480	0.00	≤20.97	PASS
2DH5	Ant1	2402	-0.81	≤20.97	PASS
2DH5	Ant1	2441	-0.04	≤20.97	PASS
2DH5	Ant1	2480	-0.03	≤20.97	PASS
3DH5	Ant1	2402	-0.79	≤20.97	PASS
3DH5	Ant1	2441	0.07	≤20.97	PASS
3DH5	Ant1	2480	0.12	≤20.97	PASS

Test Graphs

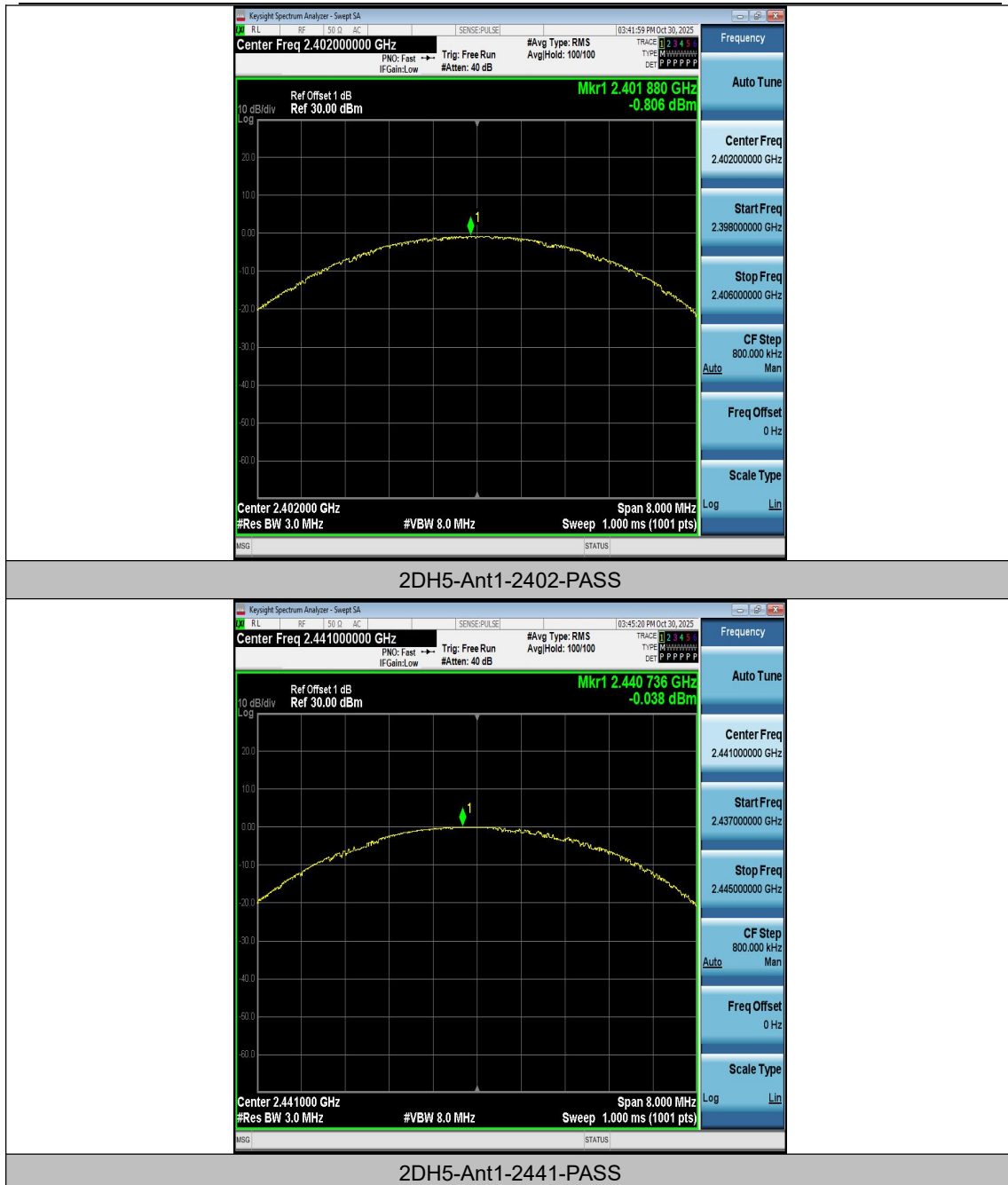




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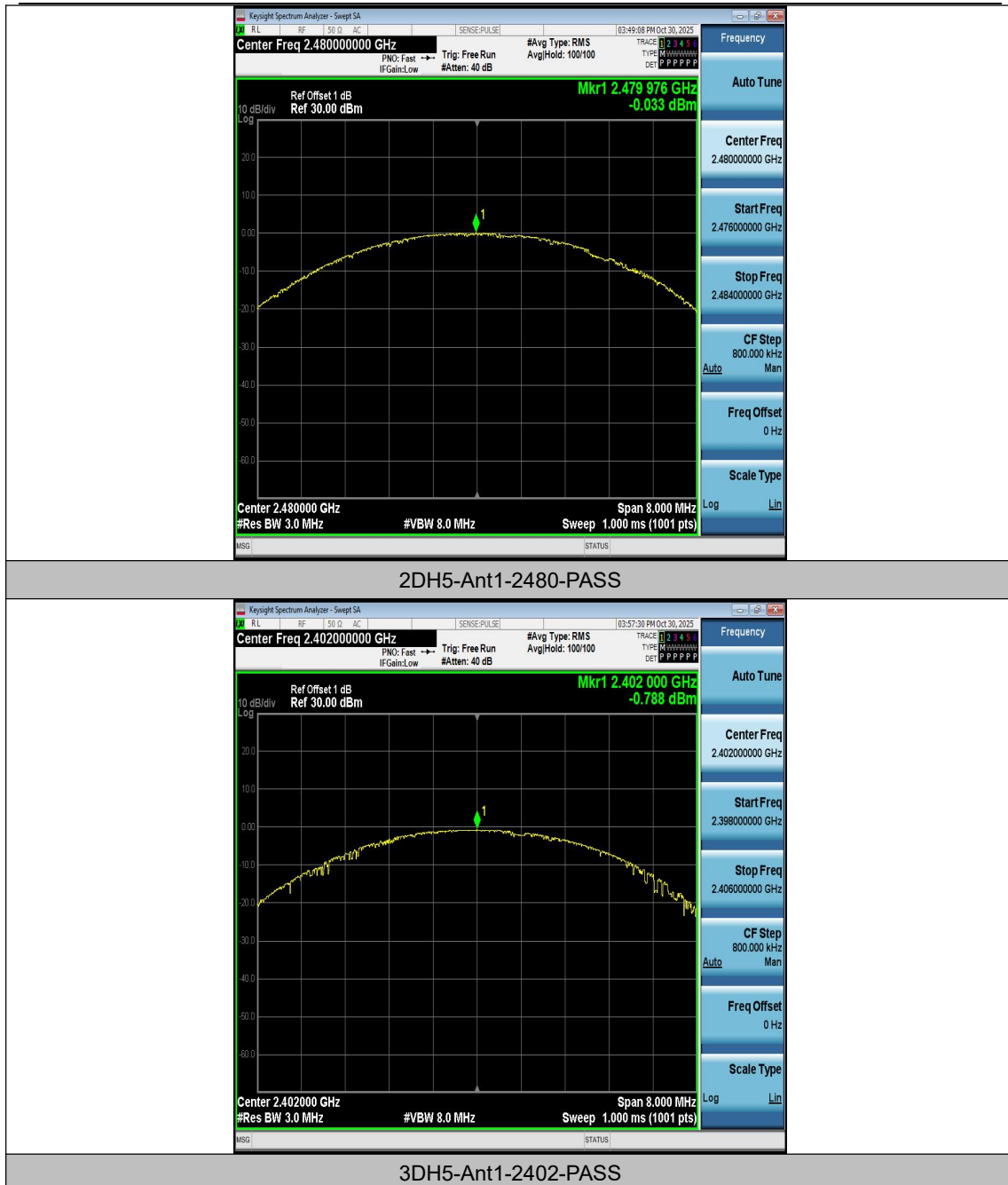
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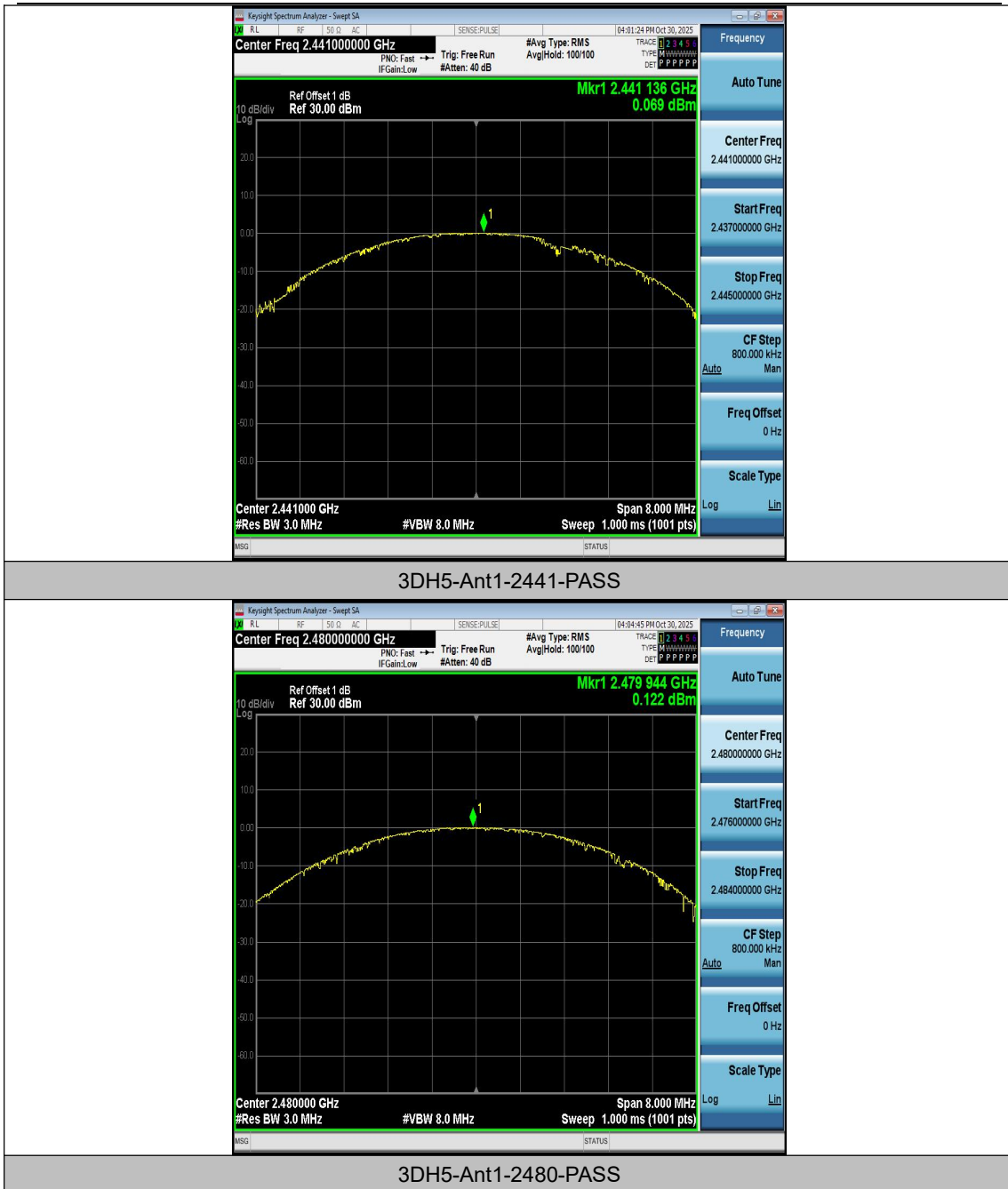
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.990	≥ 0.656	PASS
2DH5	Ant1	Hop	1.006	≥ 0.794	PASS
3DH5	Ant1	Hop	1.004	≥ 0.730	PASS

Test Graphs



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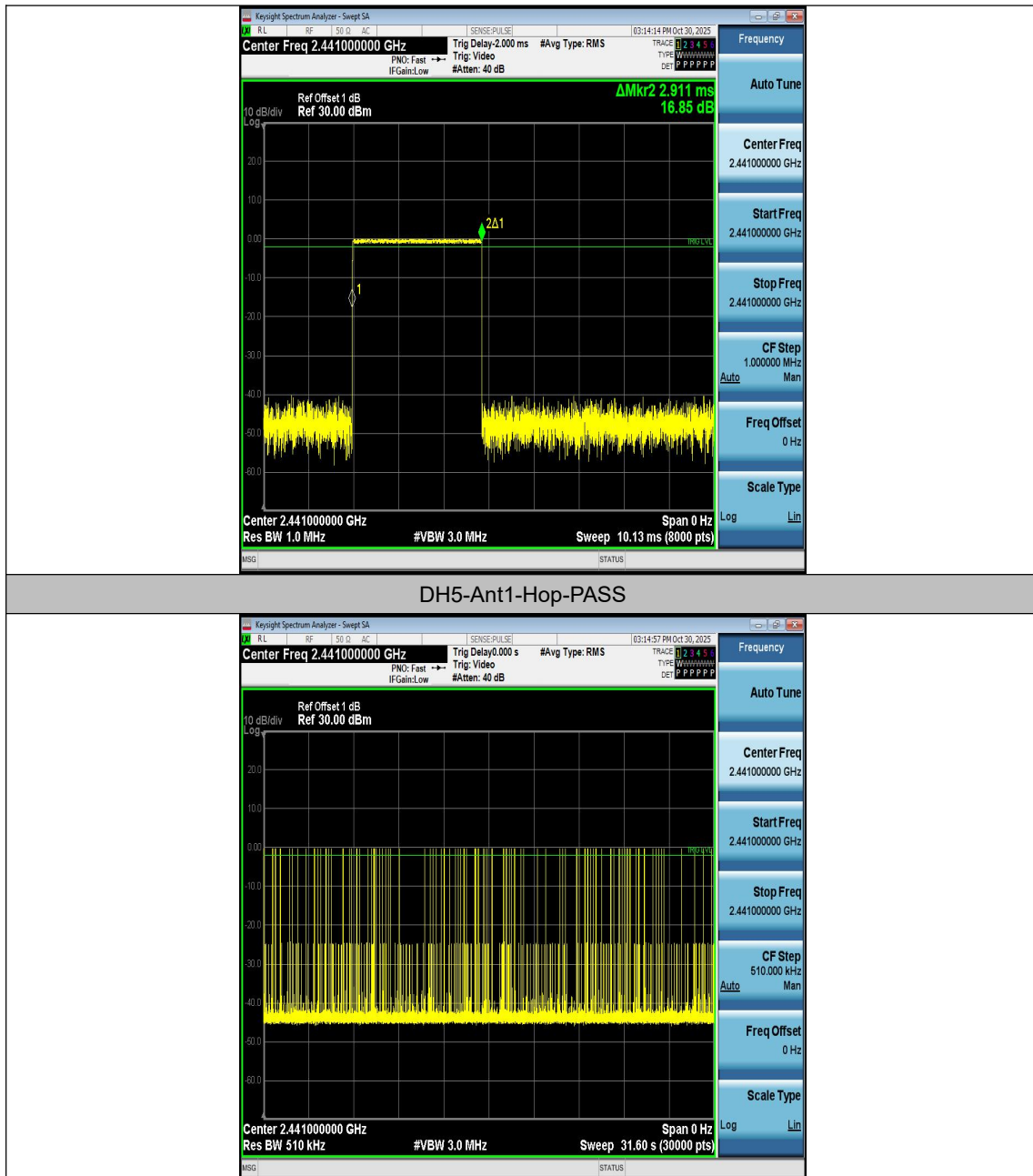
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.911	106	0.309	≤0.4	PASS
2DH5	Ant1	Hop	2.916	110	0.321	≤0.4	PASS
3DH5	Ant1	Hop	2.917	111	0.324	≤0.4	PASS

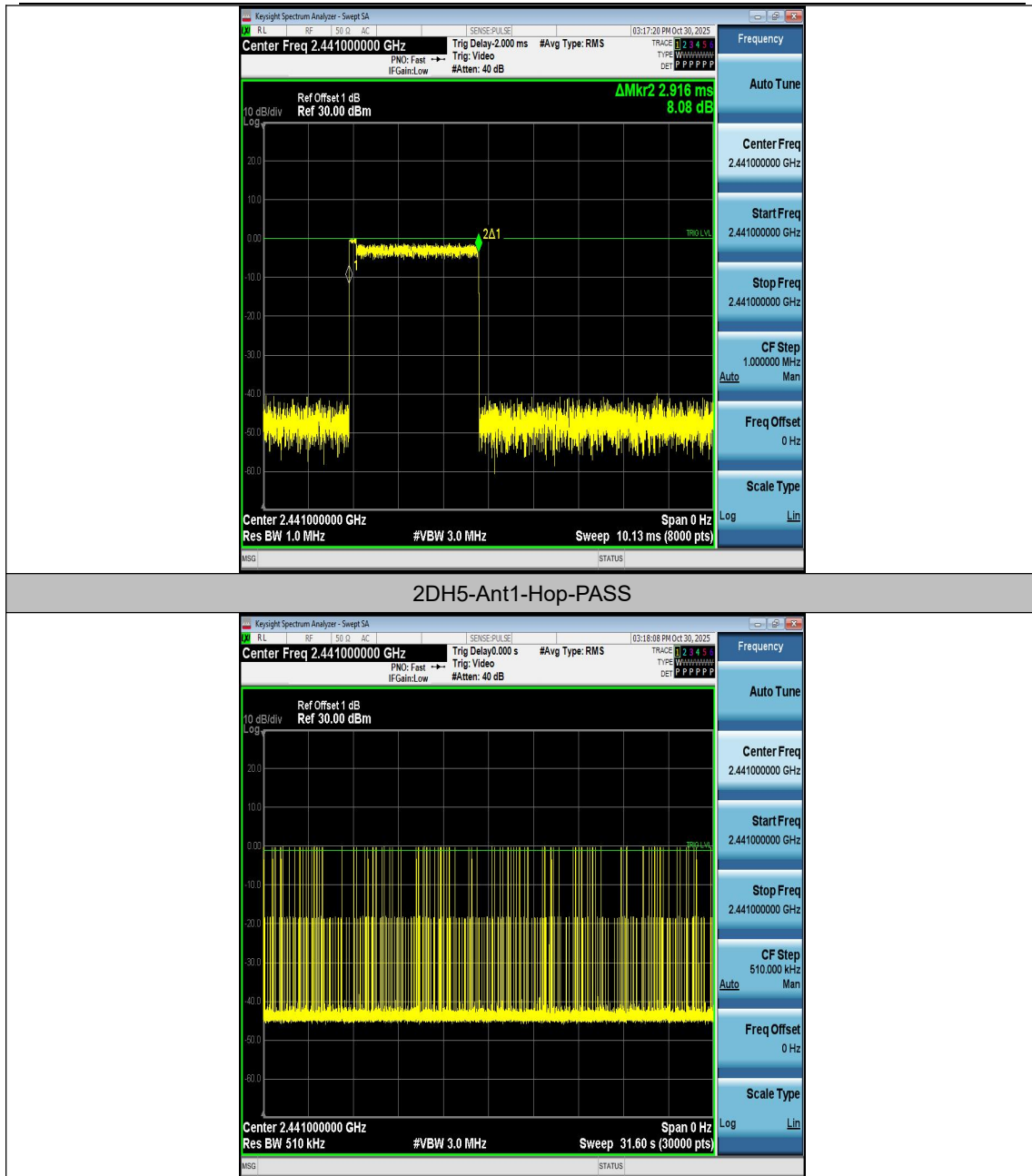
Test Graphs



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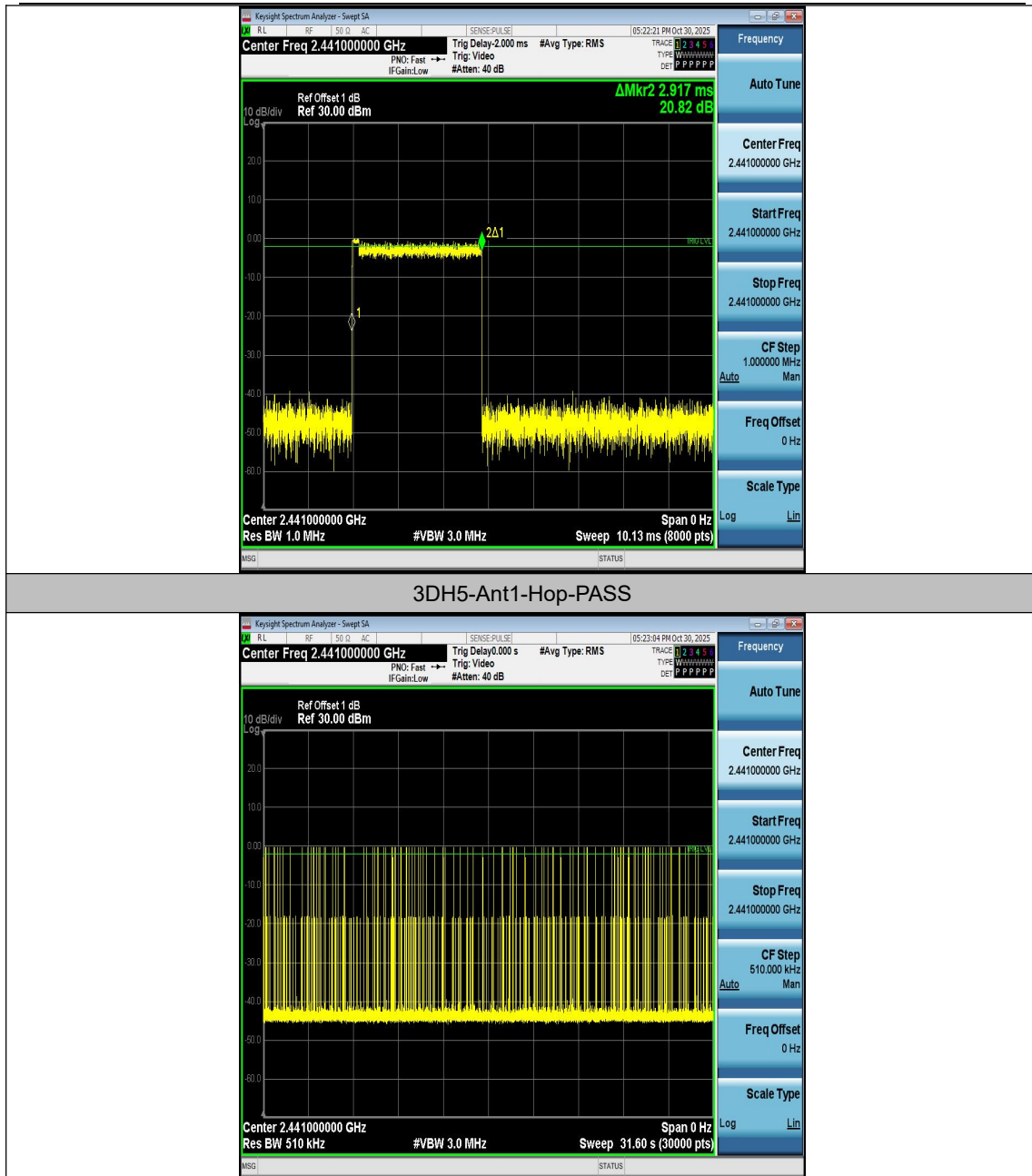
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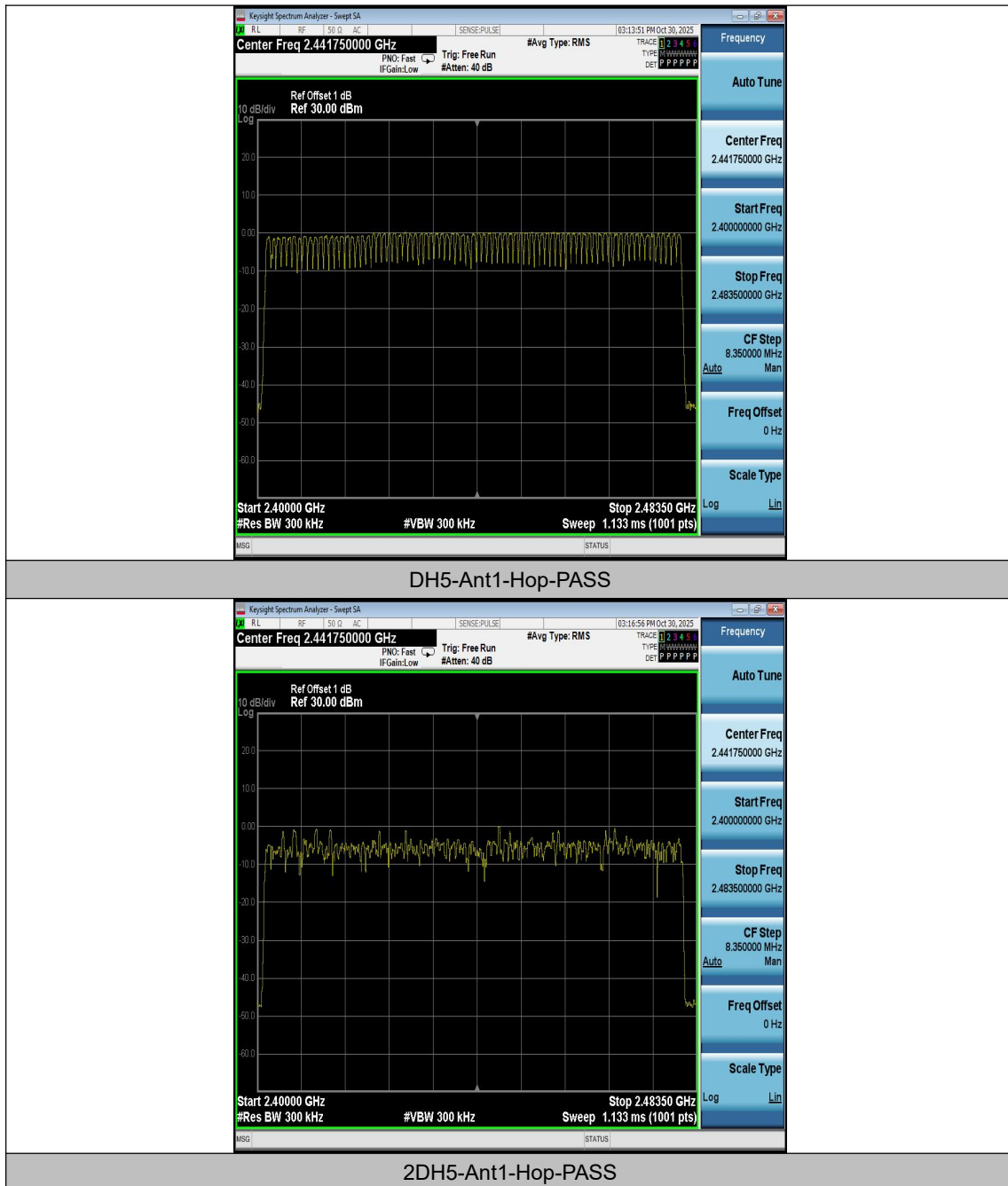
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Appendix F: Number of Hopping Channel

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

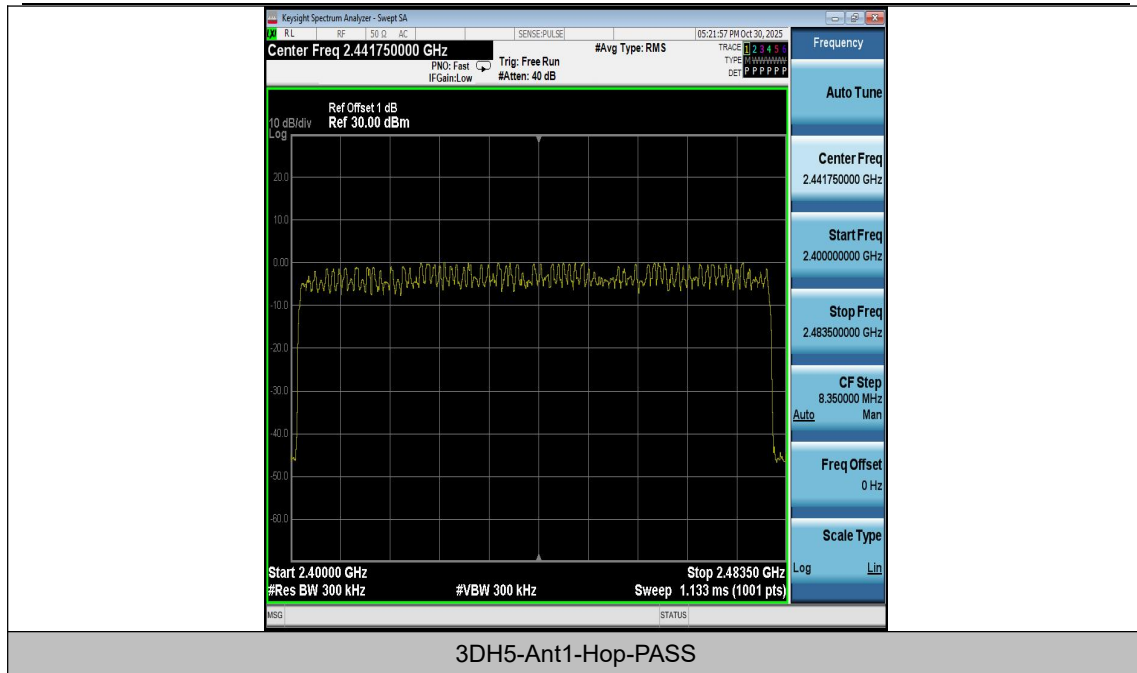
Test Graphs



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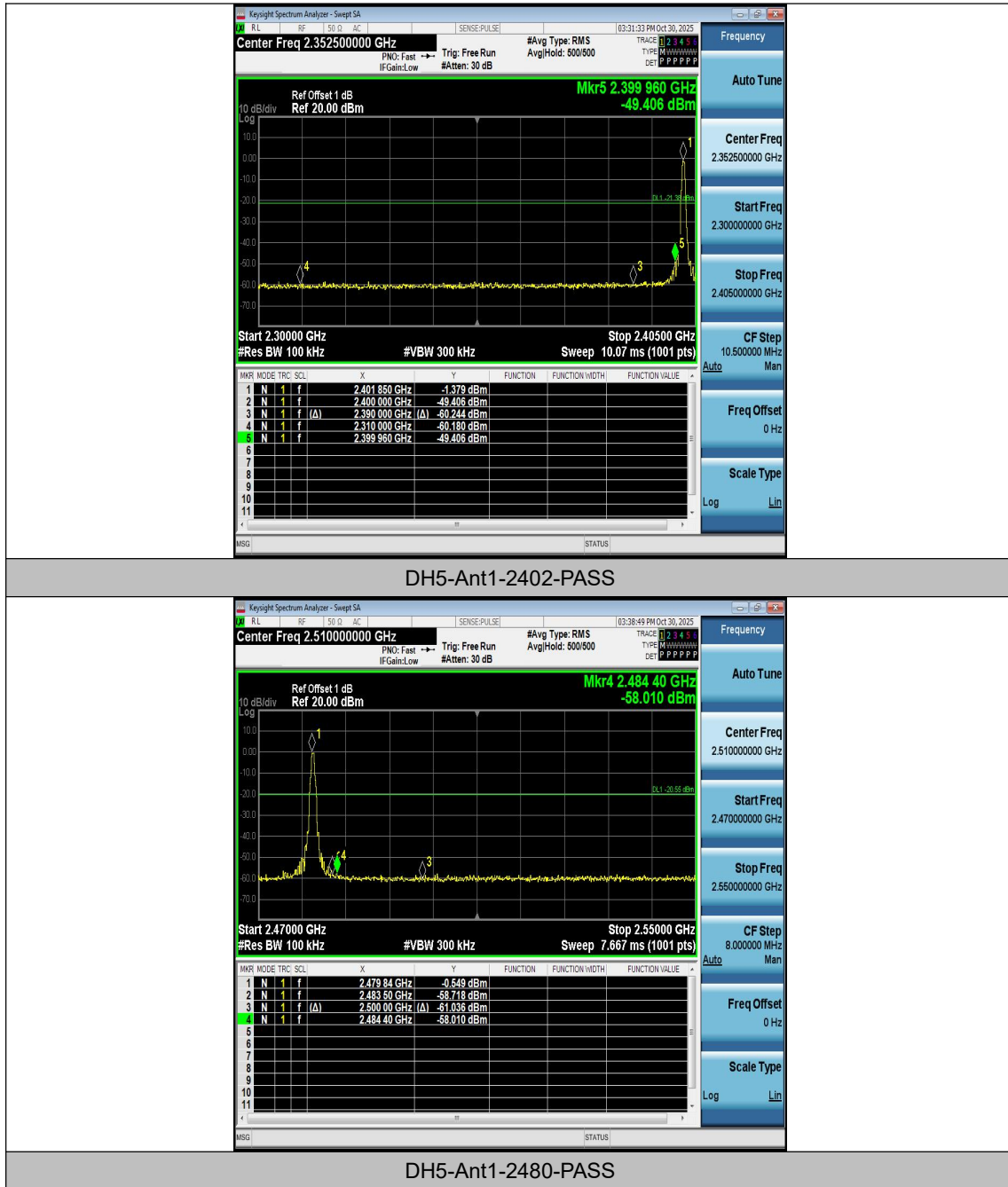
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.38	-49.41	≤-21.38	PASS
DH5	Ant1	High	2480	-0.55	-58.01	≤-20.55	PASS
DH5	Ant1	Low	Hop_2402	-2.15	-57.22	≤-22.15	PASS
DH5	Ant1	High	Hop_2480	-1.11	-57.69	≤-21.11	PASS
2DH5	Ant1	Low	2402	-1.40	-55.89	≤-21.4	PASS
2DH5	Ant1	High	2480	-0.70	-57.51	≤-20.7	PASS
2DH5	Ant1	Low	Hop_2402	-6.70	-58.31	≤-26.7	PASS
2DH5	Ant1	High	Hop_2480	-1.09	-57.44	≤-21.09	PASS
3DH5	Ant1	Low	2402	-1.38	-54.67	≤-21.38	PASS
3DH5	Ant1	High	2480	-0.39	-57.33	≤-20.39	PASS
3DH5	Ant1	Low	Hop_2402	-7.00	-57.83	≤-27	PASS
3DH5	Ant1	High	Hop_2480	-0.53	-58.1	≤-20.53	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs



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