

Appendix Test Data

Report No.:	1812C50172412501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.25	Finish Test Date:	2025.05.16
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	45%
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	0.999	2401.439	2402.438	---	---
DH5	Ant1	2441	0.969	2440.481	2441.450	---	---
DH5	Ant1	2480	1.032	2479.430	2480.462	---	---
2DH5	Ant1	2402	1.347	2401.289	2402.636	---	---
2DH5	Ant1	2441	1.350	2440.280	2441.630	---	---
2DH5	Ant1	2480	1.305	2479.307	2480.612	---	---
3DH5	Ant1	2402	1.308	2401.298	2402.606	---	---
3DH5	Ant1	2441	1.341	2440.283	2441.624	---	---
3DH5	Ant1	2480	1.299	2479.307	2480.606	---	---



Test Graphs

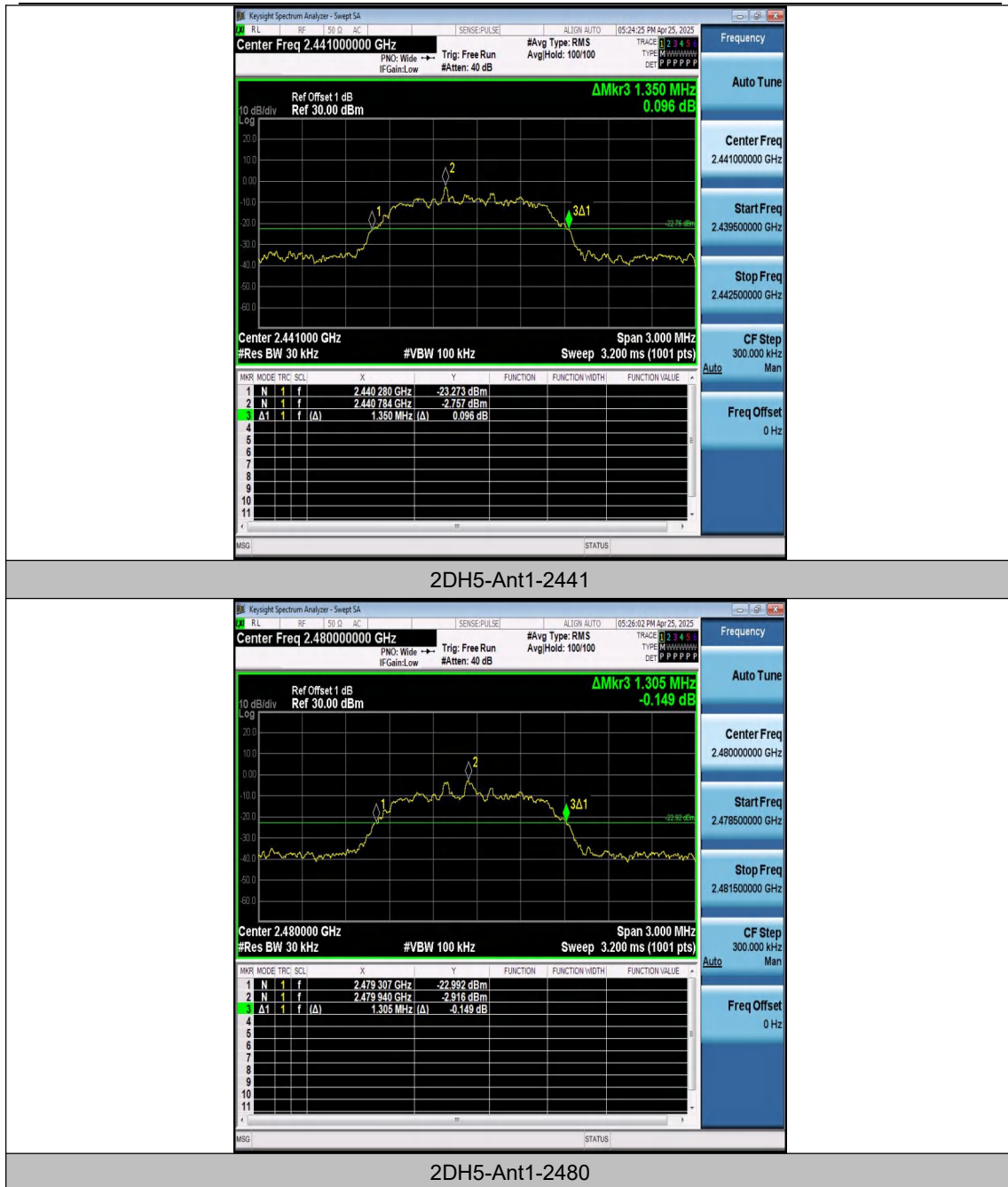




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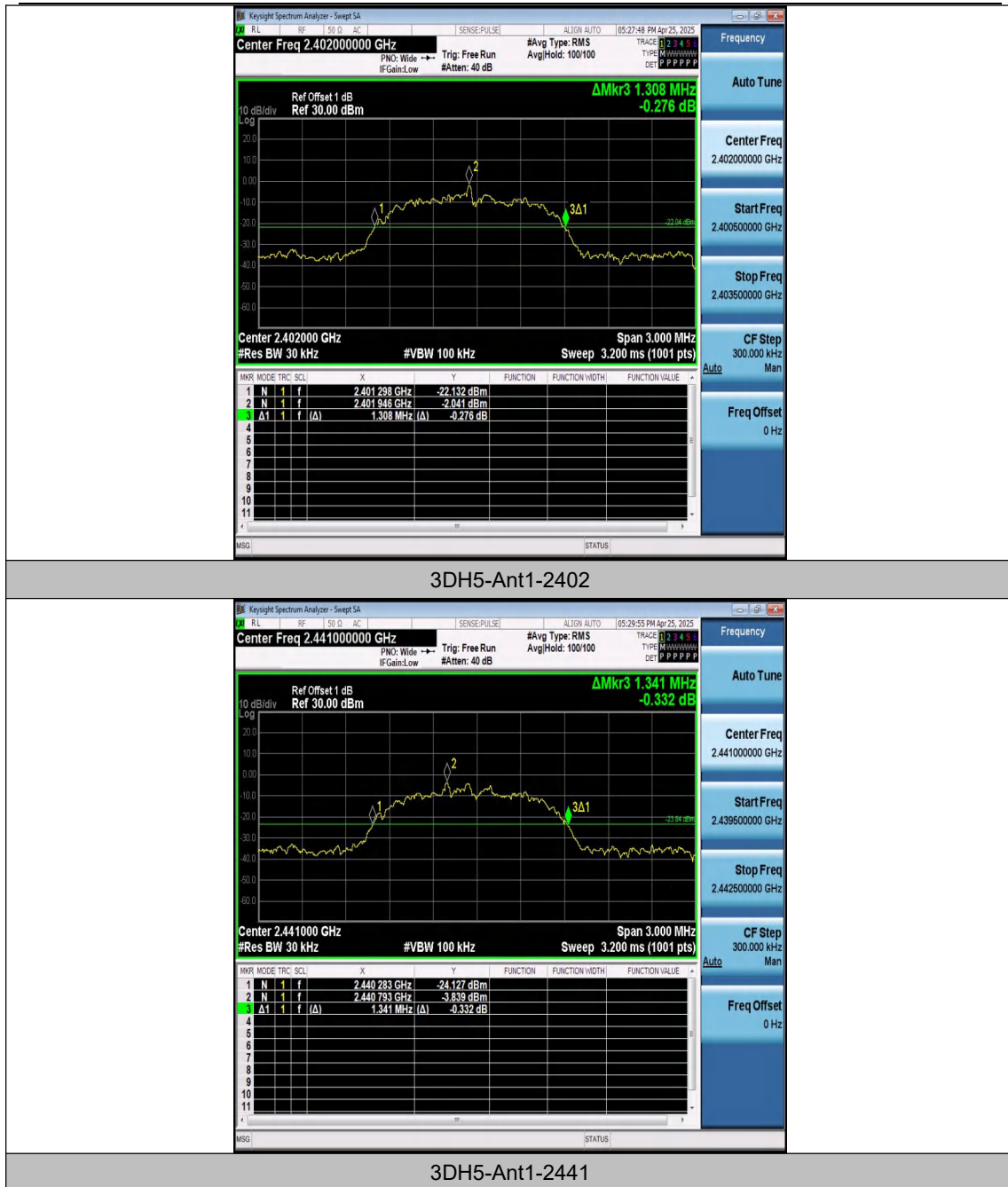


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89637	2401.5062	2402.4026	---	---
DH5	Ant1	2441	0.88088	2440.5097	2441.3906	---	---
DH5	Ant1	2480	0.87752	2479.5096	2480.3871	---	---
2DH5	Ant1	2402	1.2504	2401.3352	2402.5856	---	---
2DH5	Ant1	2441	1.2391	2440.3392	2441.5783	---	---
2DH5	Ant1	2480	1.2461	2479.3355	2480.5816	---	---
3DH5	Ant1	2402	1.2289	2401.3327	2402.5616	---	---
3DH5	Ant1	2441	1.2445	2440.3289	2441.5734	---	---
3DH5	Ant1	2480	1.2395	2479.3268	2480.5663	---	---

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Test Graphs

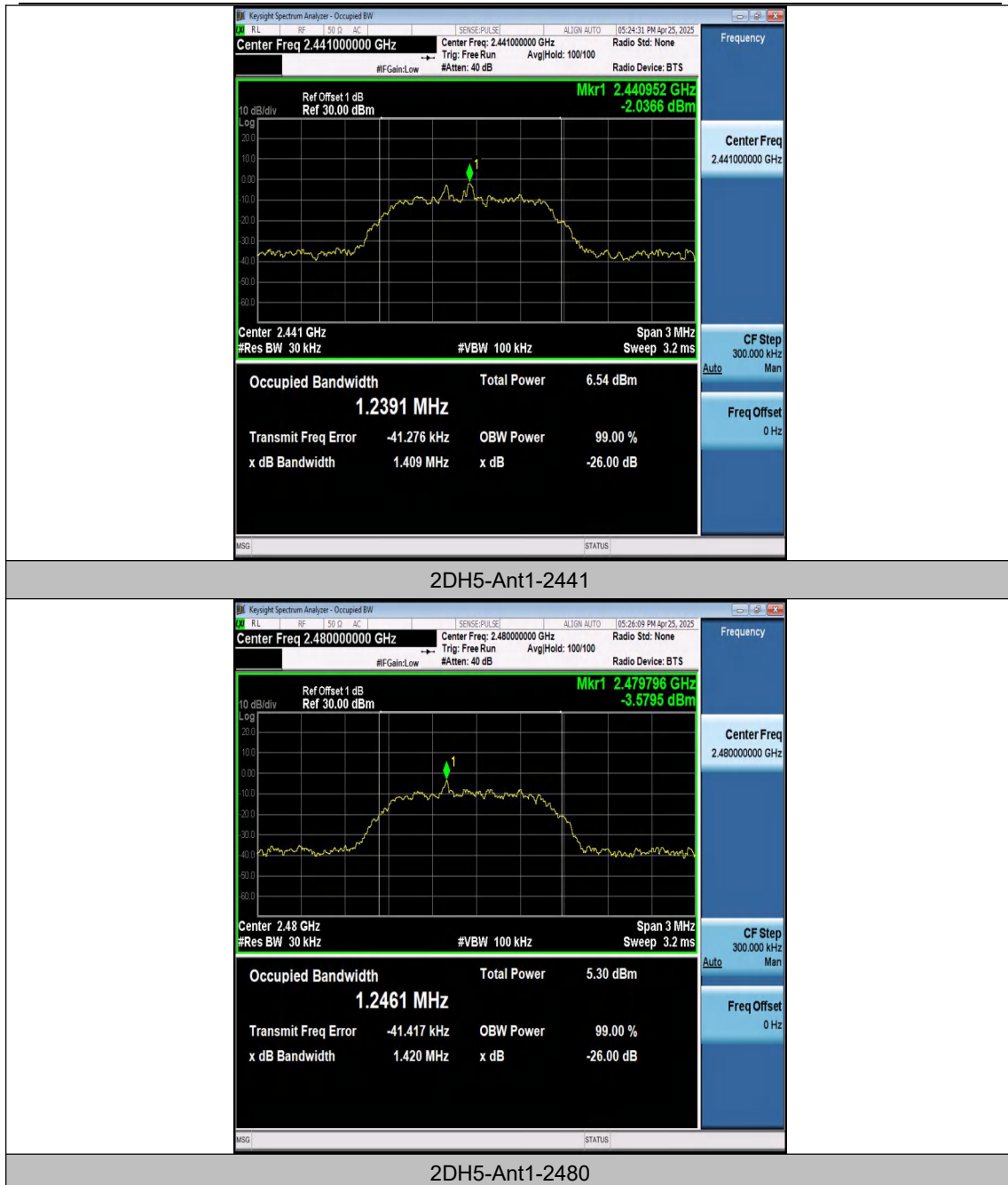


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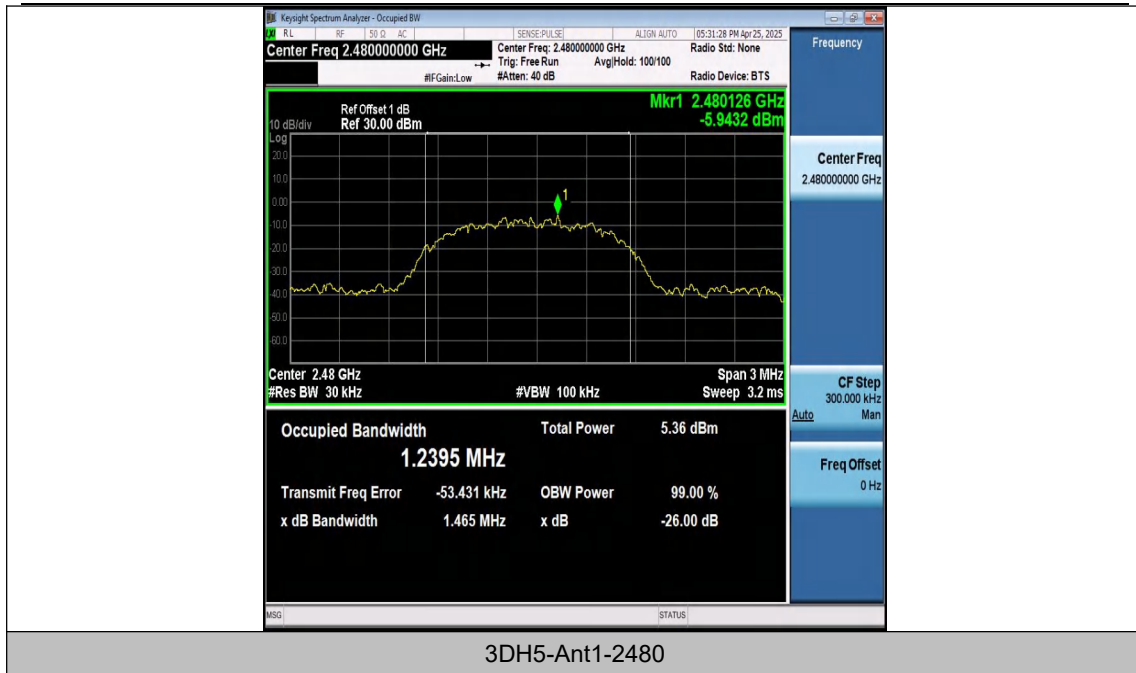
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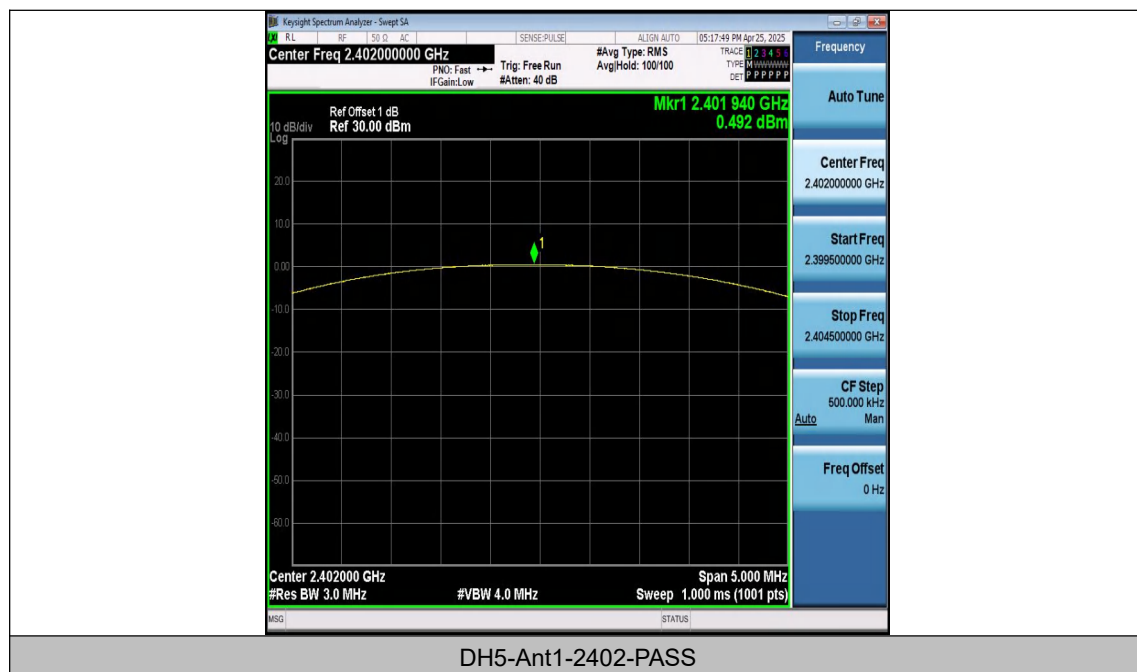
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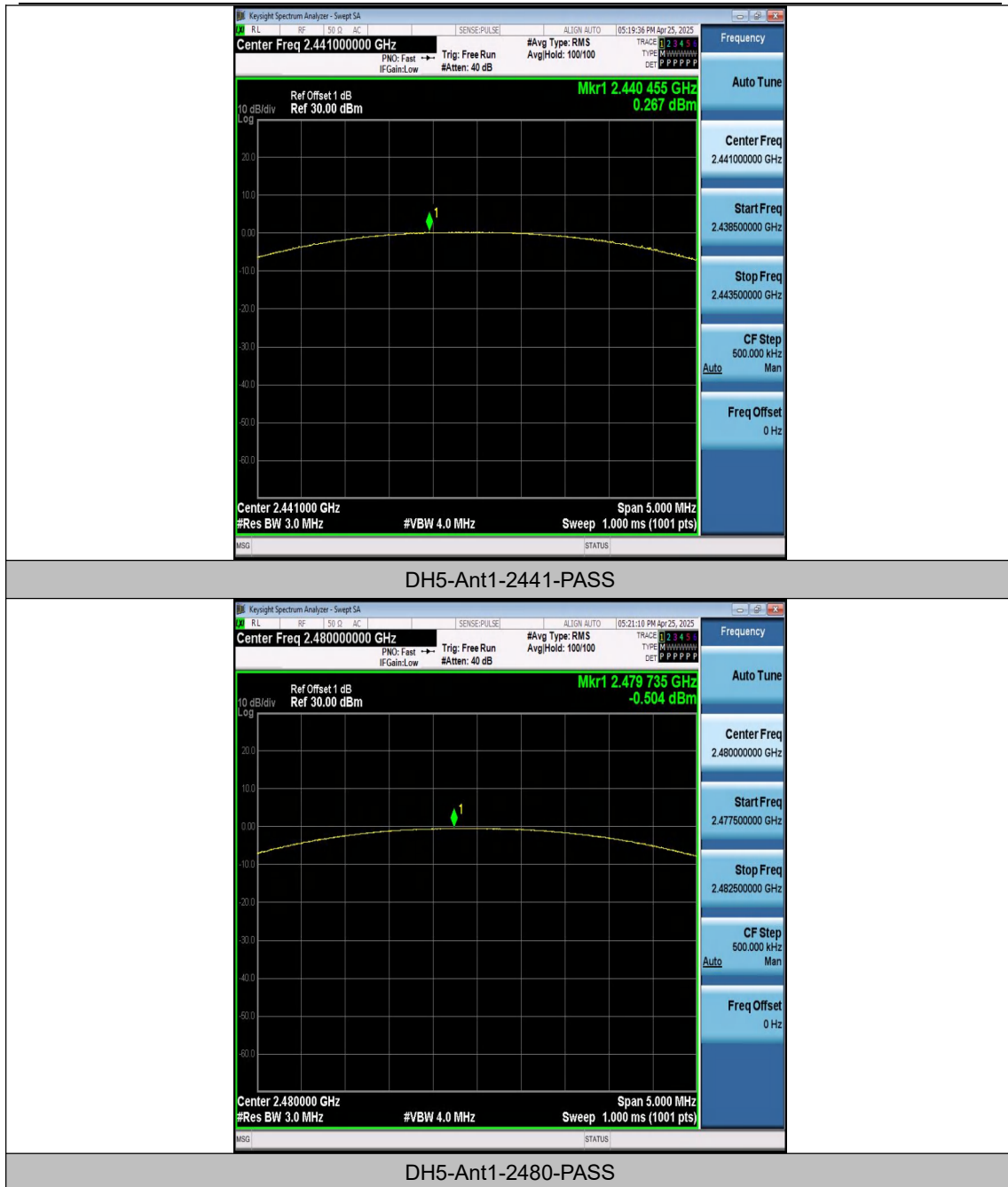
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.49	≤20.97	PASS
DH5	Ant1	2441	0.27	≤20.97	PASS
DH5	Ant1	2480	-0.50	≤20.97	PASS
2DH5	Ant1	2402	0.93	≤20.97	PASS
2DH5	Ant1	2441	0.81	≤20.97	PASS
2DH5	Ant1	2480	-0.03	≤20.97	PASS
3DH5	Ant1	2402	1.16	≤20.97	PASS
3DH5	Ant1	2441	0.84	≤20.97	PASS
3DH5	Ant1	2480	0.12	≤20.97	PASS

Test Graphs



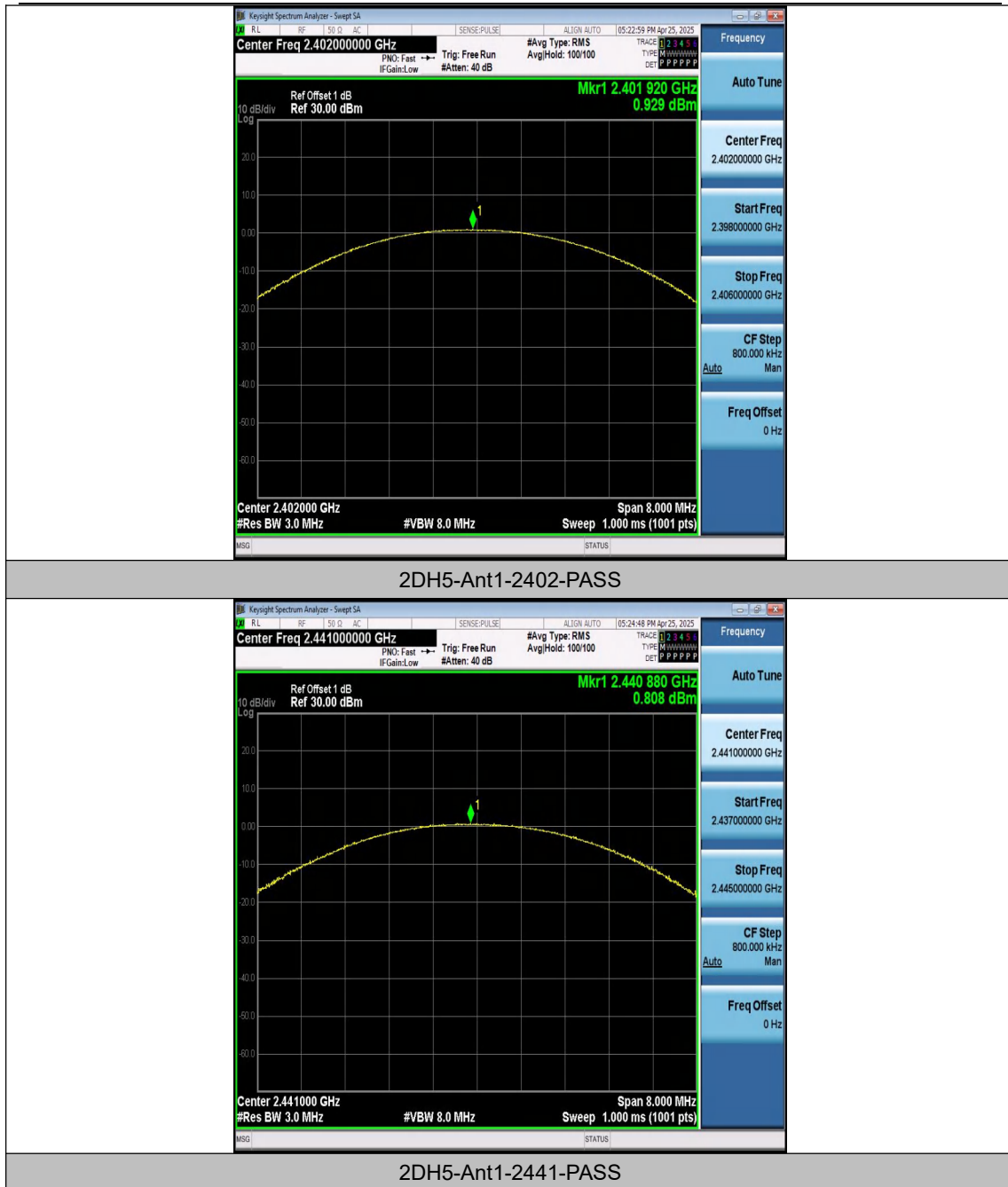


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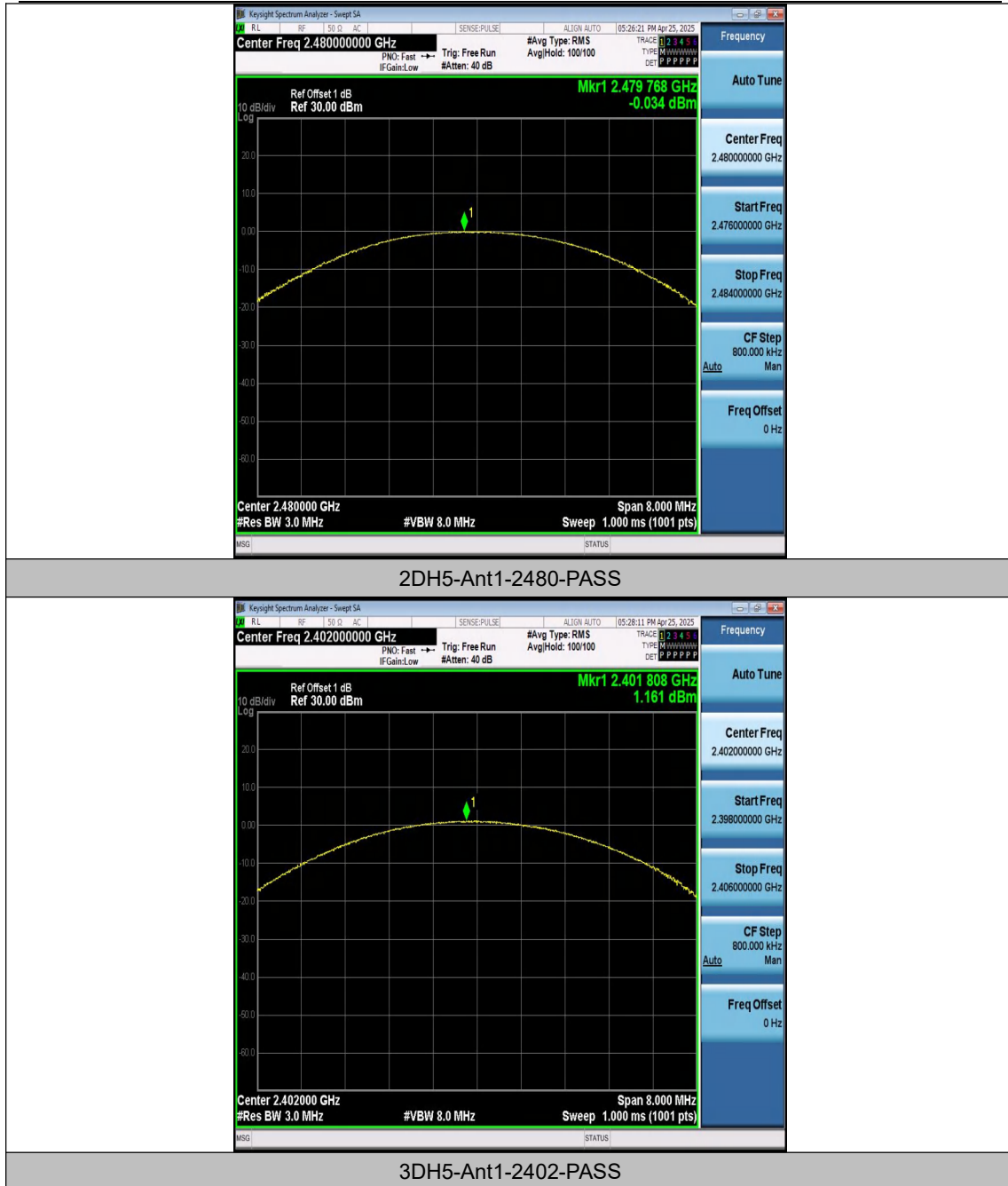


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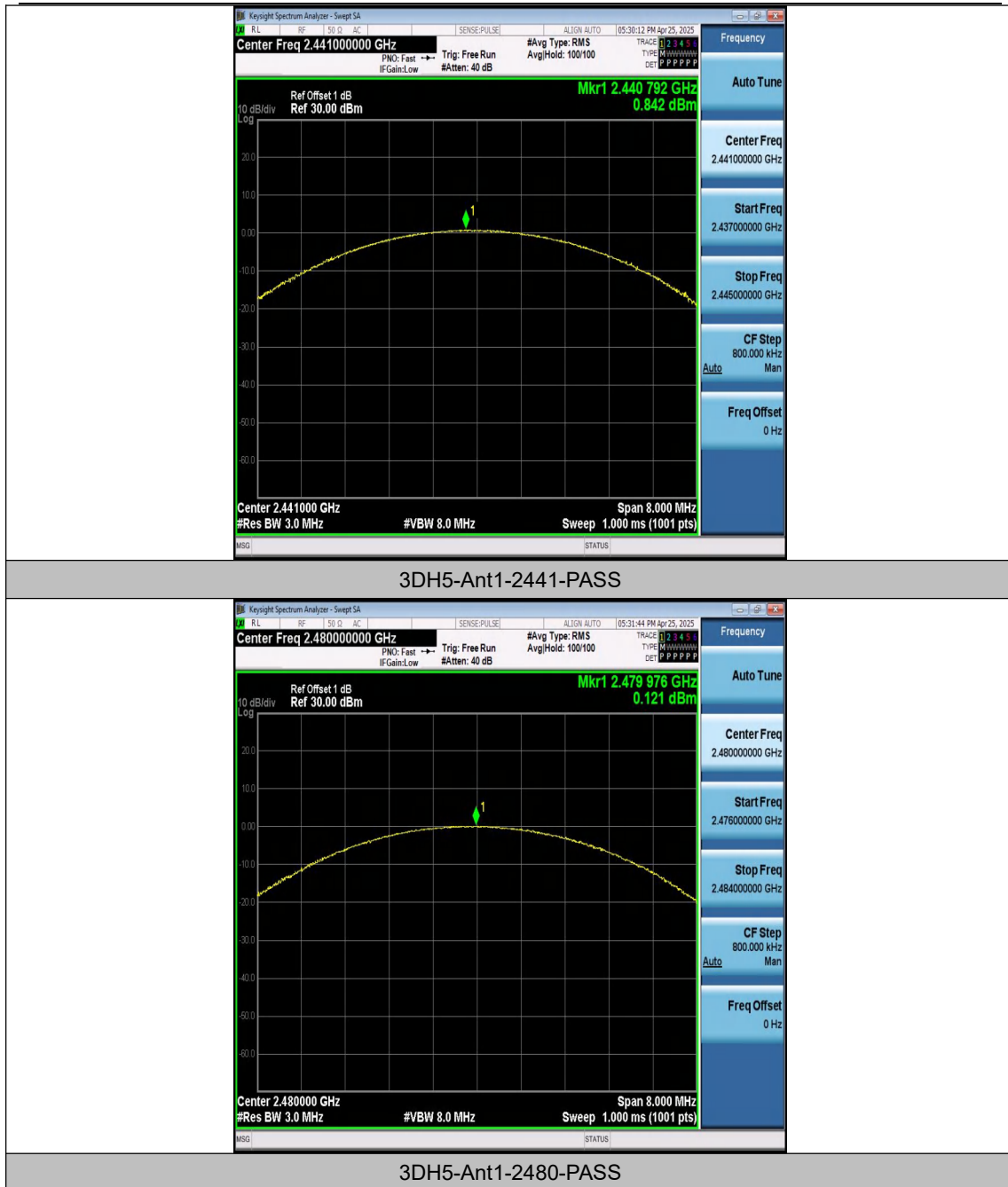


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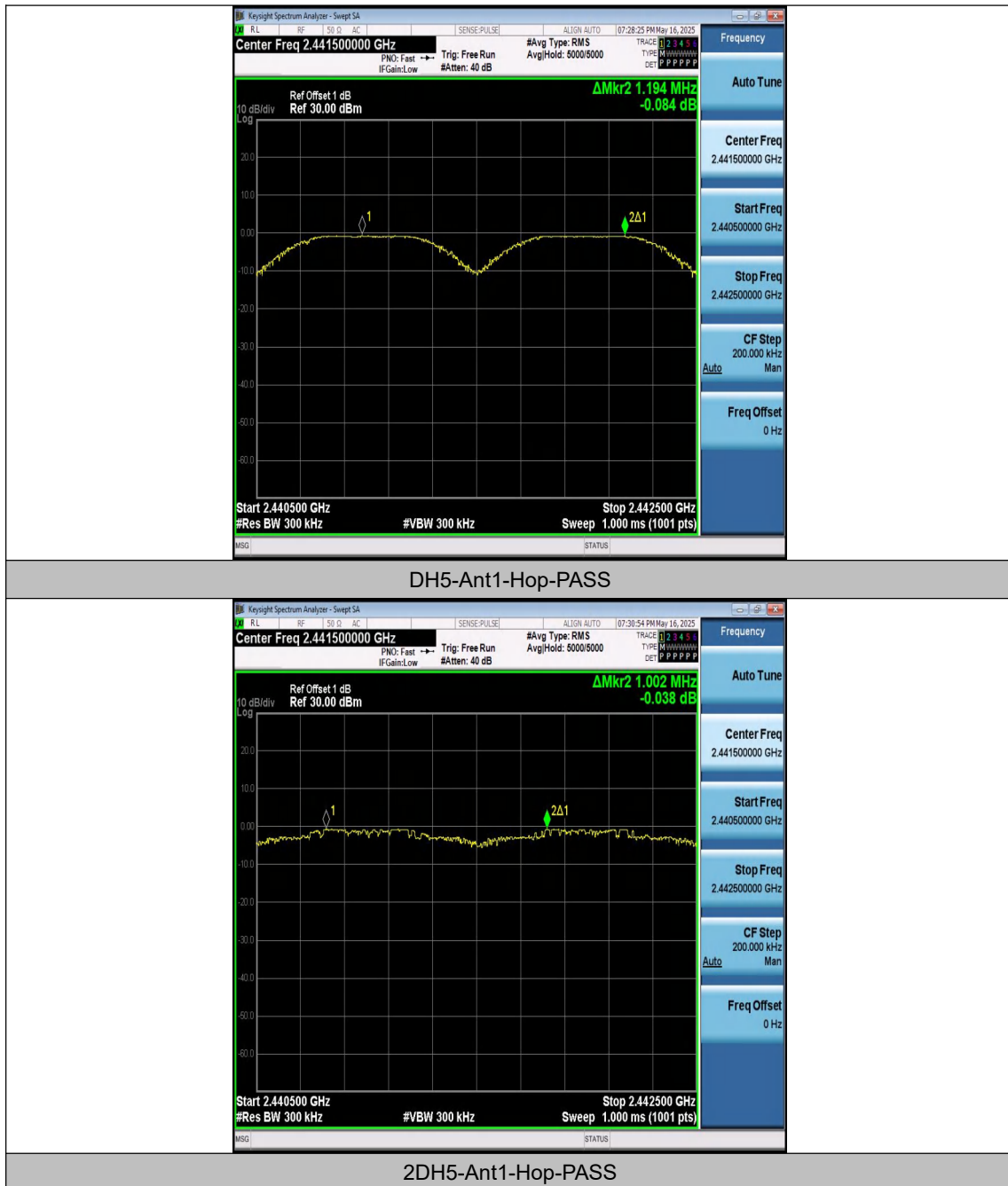
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.194	≥0.688	PASS
2DH5	Ant1	Hop	1.002	≥0.900	PASS
3DH5	Ant1	Hop	0.946	≥0.894	PASS

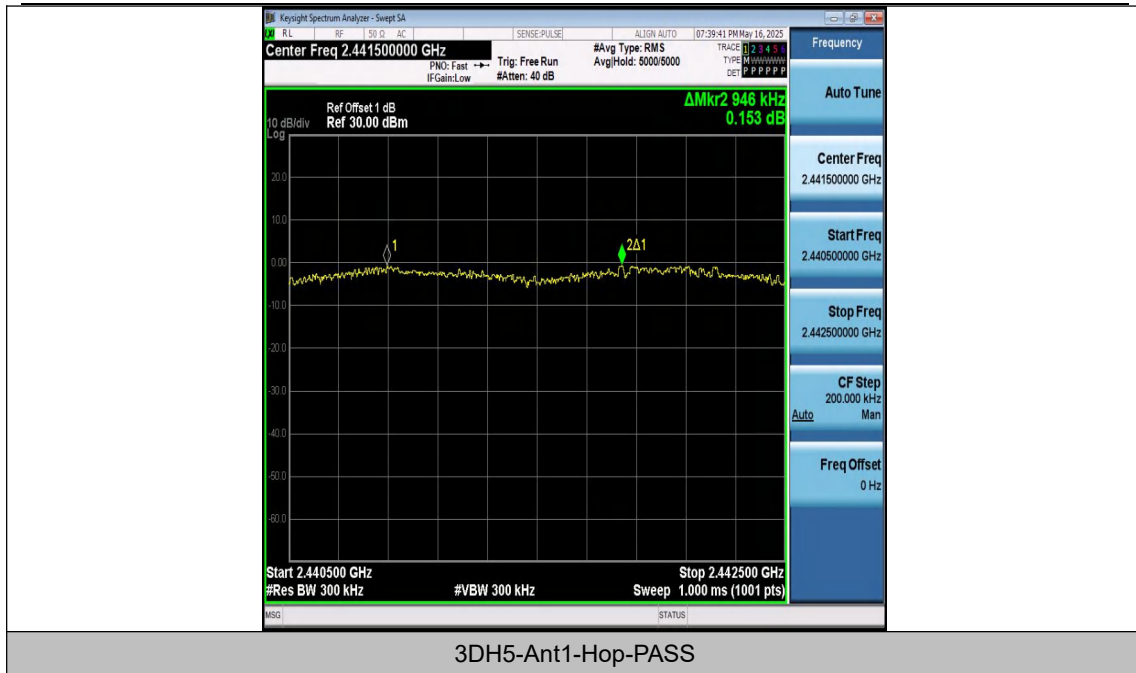
Test Graphs



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Appendix E: Dwell Time

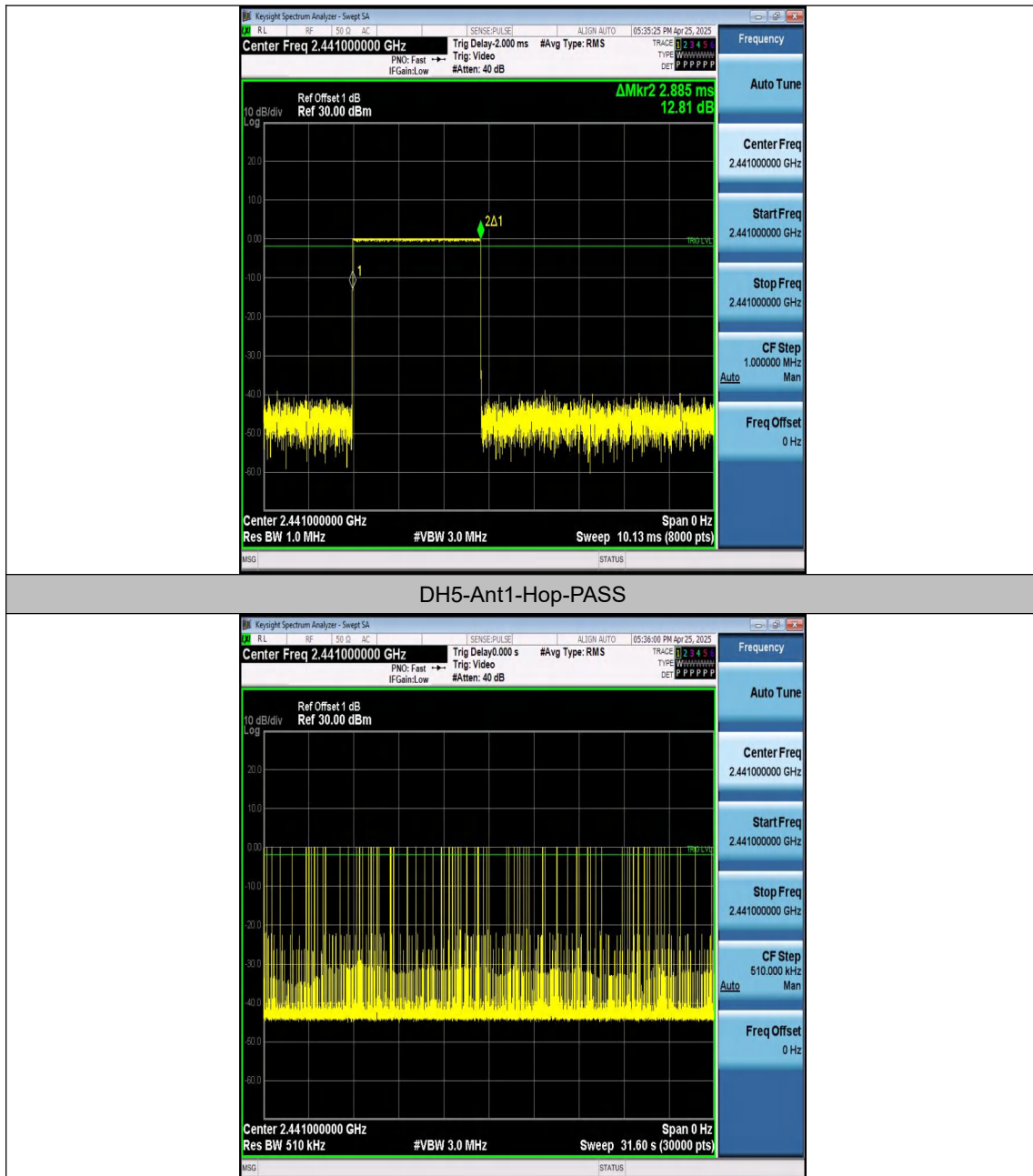
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	93	0.268	≤0.4	PASS
2DH5	Ant1	Hop	2.889	121	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.892	99	0.286	≤0.4	PASS

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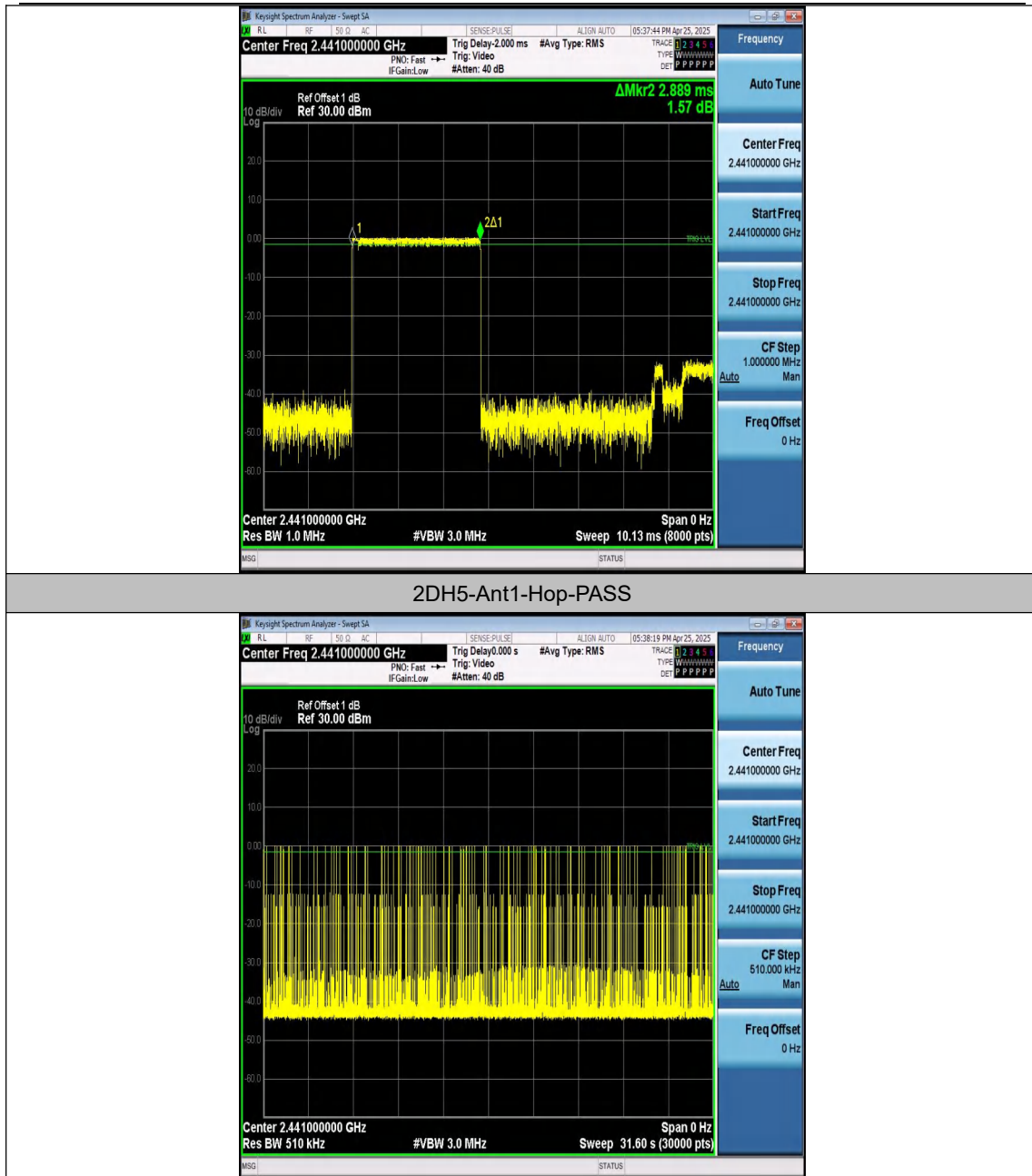
Test Graphs



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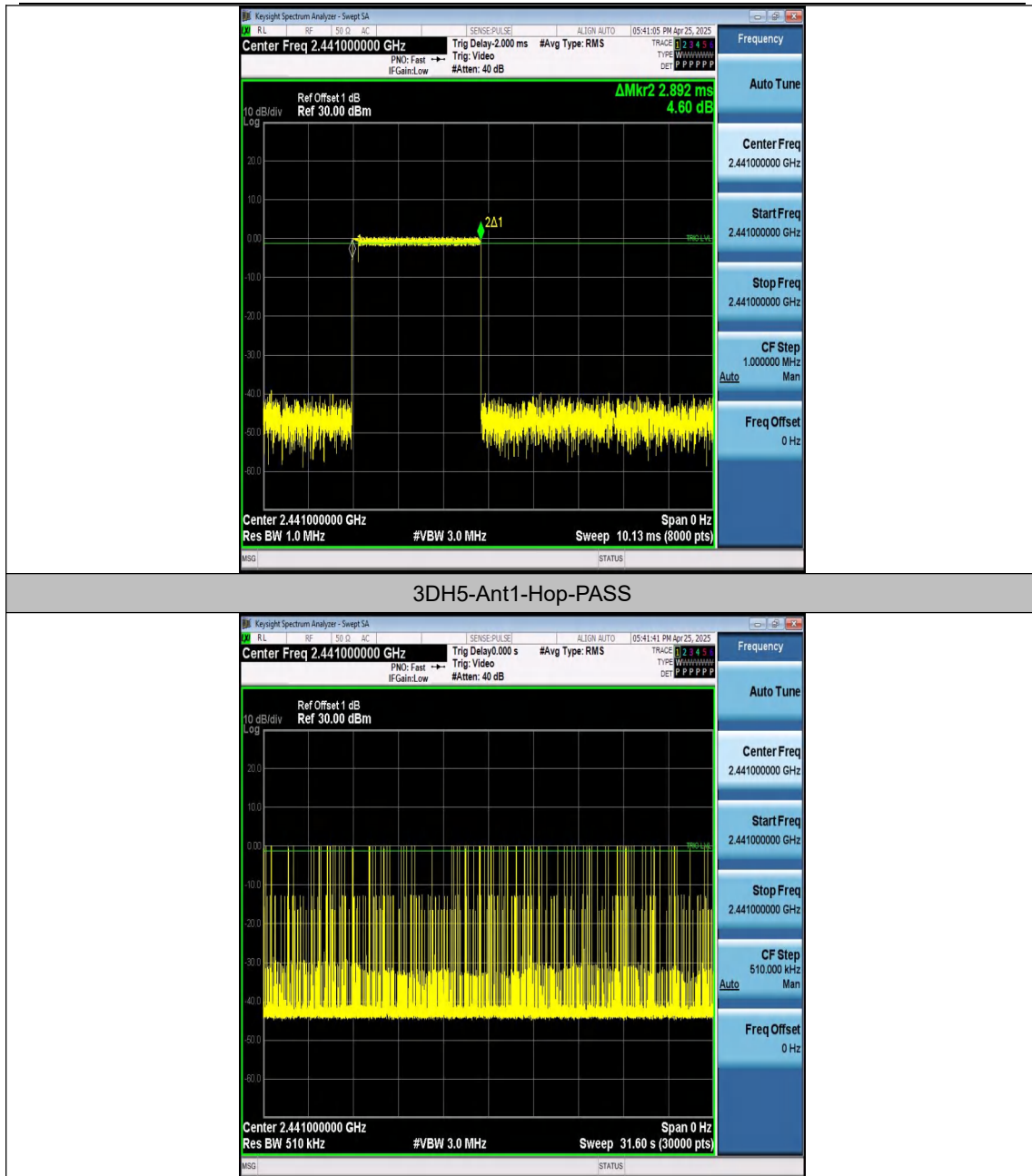


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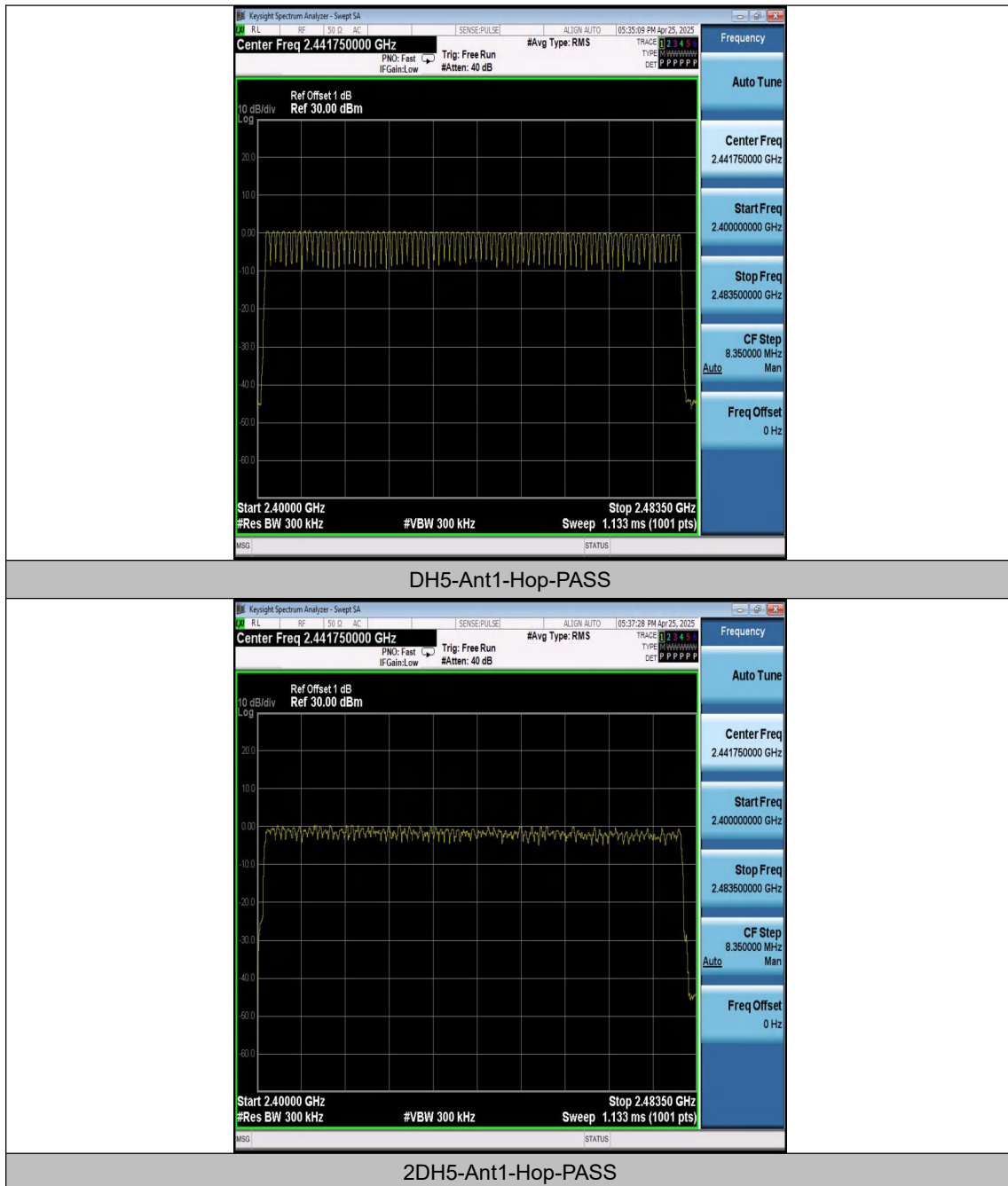
Appendix F: Number of Hopping Channel

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



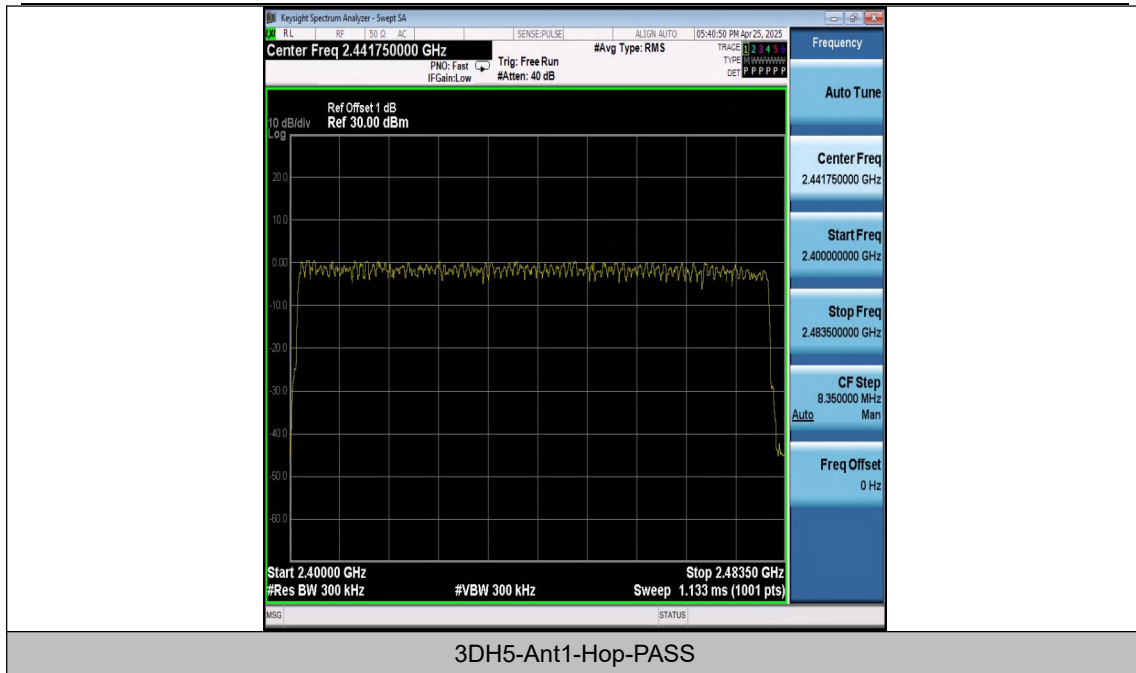
Test Graphs



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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	0.17	-50.18	≤-19.84	PASS
DH5	Ant1	High	2480	-0.87	-48.46	≤-20.87	PASS
DH5	Ant1	Low	Hop_2402	-0.12	-52.93	≤-20.12	PASS
DH5	Ant1	High	Hop_2480	-0.77	-52.02	≤-20.77	PASS
2DH5	Ant1	Low	2402	0.29	-46.89	≤-19.71	PASS
2DH5	Ant1	High	2480	-0.73	-46.13	≤-20.73	PASS
2DH5	Ant1	Low	Hop_2402	-3.24	-53.75	≤-23.24	PASS
2DH5	Ant1	High	Hop_2480	-1.96	-51.92	≤-21.96	PASS
3DH5	Ant1	Low	2402	0.14	-44.36	≤-19.86	PASS
3DH5	Ant1	High	2480	-0.70	-52.22	≤-20.7	PASS
3DH5	Ant1	Low	Hop_2402	0.12	-49.32	≤-19.88	PASS
3DH5	Ant1	High	Hop_2480	-3.32	-48.79	≤-23.32	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs

