

Appendix Test Data

Report No.:	1812C50645612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-4	Finish Test Date:	2025-12-4
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.7°C	Relative Humidity:	49%
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	0.957	2401.448	2402.405	---	---
DH5	Ant1	2441	0.960	2440.442	2441.402	---	---
DH5	Ant1	2480	0.954	2479.445	2480.399	---	---
2DH5	Ant1	2402	1.284	2401.280	2402.564	---	---
2DH5	Ant1	2441	1.356	2440.235	2441.591	---	---
2DH5	Ant1	2480	1.281	2479.283	2480.564	---	---
3DH5	Ant1	2402	1.341	2401.244	2402.585	---	---
3DH5	Ant1	2441	1.284	2440.283	2441.567	---	---
3DH5	Ant1	2480	1.299	2479.262	2480.561	---	---

Test Graphs



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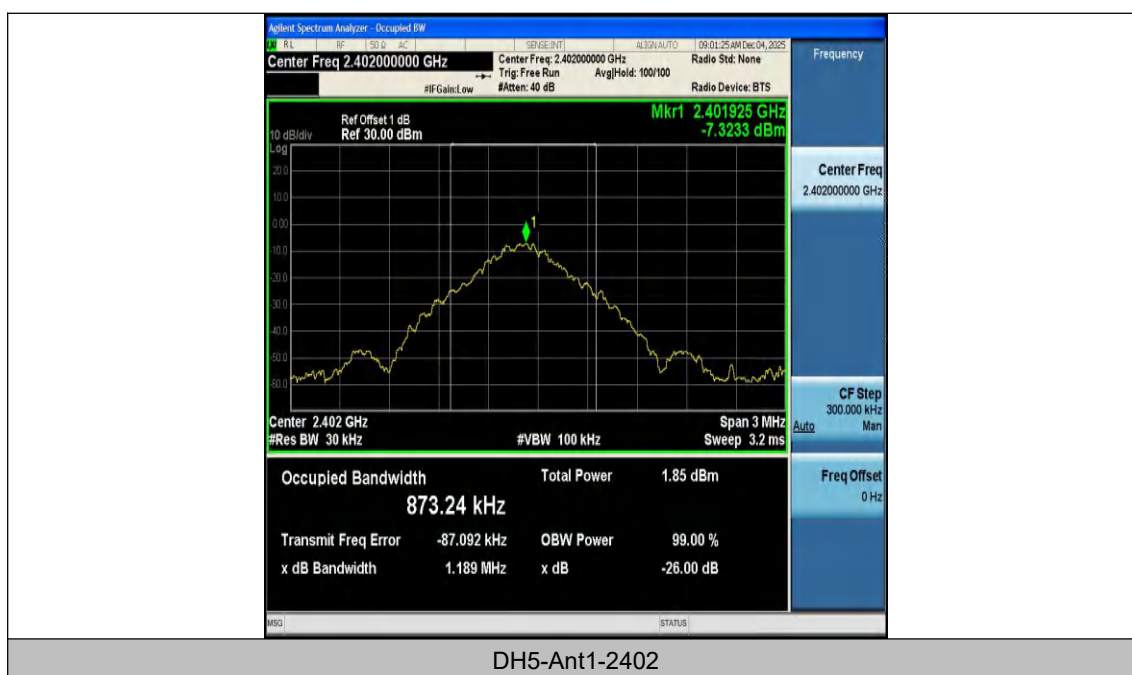
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87324	2401.4763	2402.3495	---	---
DH5	Ant1	2441	0.85381	2440.4827	2441.3365	---	---
DH5	Ant1	2480	0.85832	2479.4786	2480.3369	---	---
2DH5	Ant1	2402	1.1756	2401.3240	2402.4996	---	---
2DH5	Ant1	2441	1.1829	2440.3191	2441.5020	---	---
2DH5	Ant1	2480	1.1803	2479.3212	2480.5015	---	---
3DH5	Ant1	2402	1.1809	2401.3191	2402.5000	---	---
3DH5	Ant1	2441	1.1768	2440.3268	2441.5036	---	---
3DH5	Ant1	2480	1.1945	2479.3147	2480.5092	---	---

Test Graphs

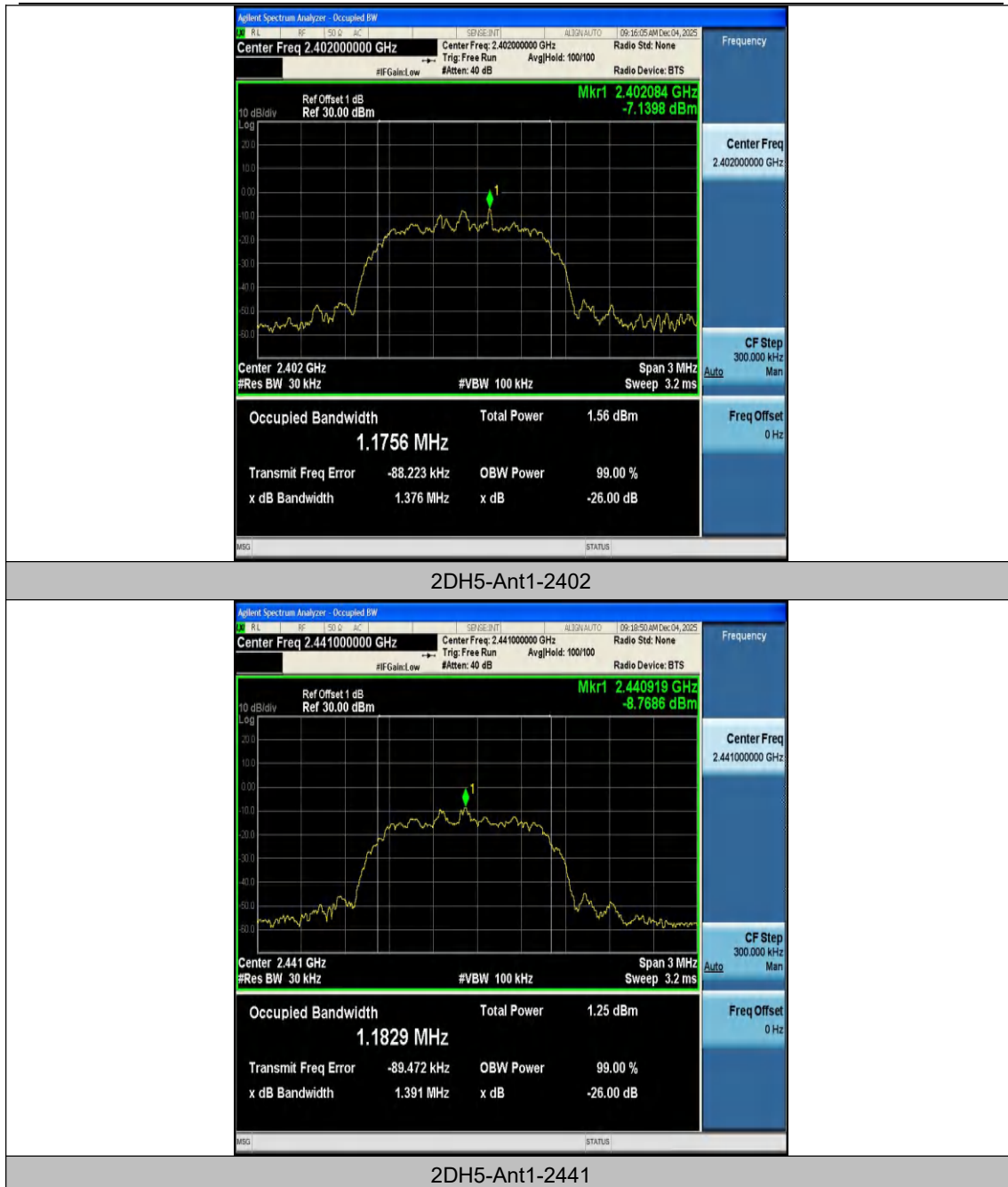




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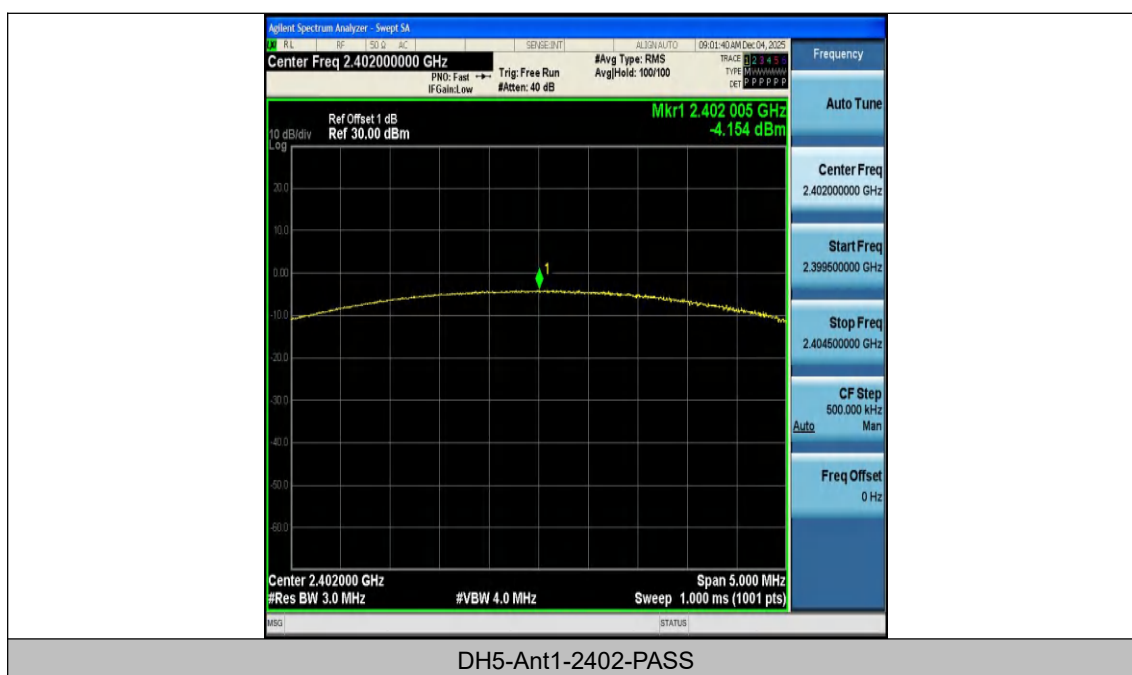
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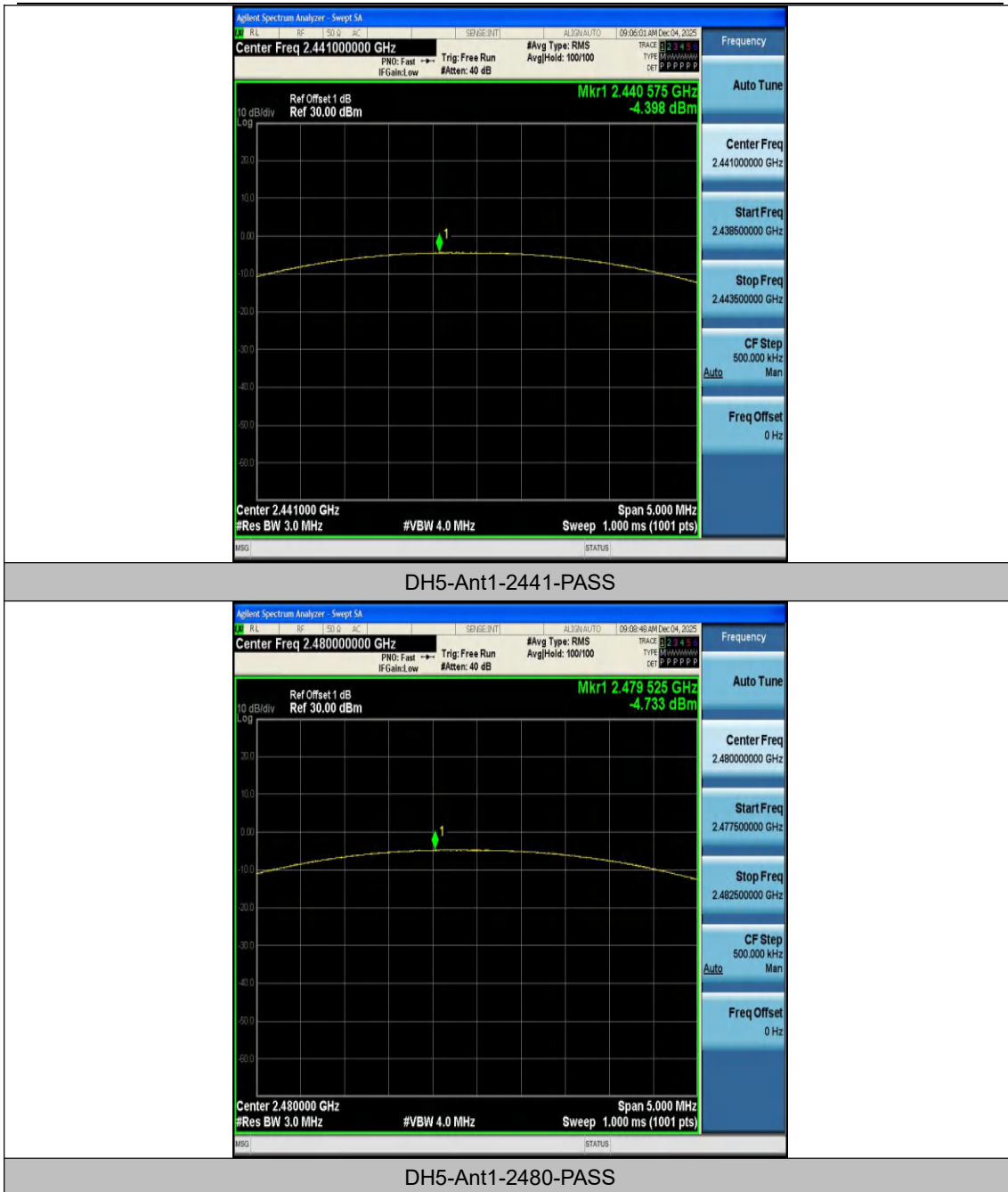
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-4.15	≤30	PASS
DH5	Ant1	2441	-4.40	≤30	PASS
DH5	Ant1	2480	-4.73	≤30	PASS
2DH5	Ant1	2402	-3.60	≤20.97	PASS
2DH5	Ant1	2441	-3.52	≤20.97	PASS
2DH5	Ant1	2480	-3.95	≤20.97	PASS
3DH5	Ant1	2402	-3.21	≤20.97	PASS
3DH5	Ant1	2441	-3.06	≤20.97	PASS
3DH5	Ant1	2480	-3.43	≤20.97	PASS

Test Graphs

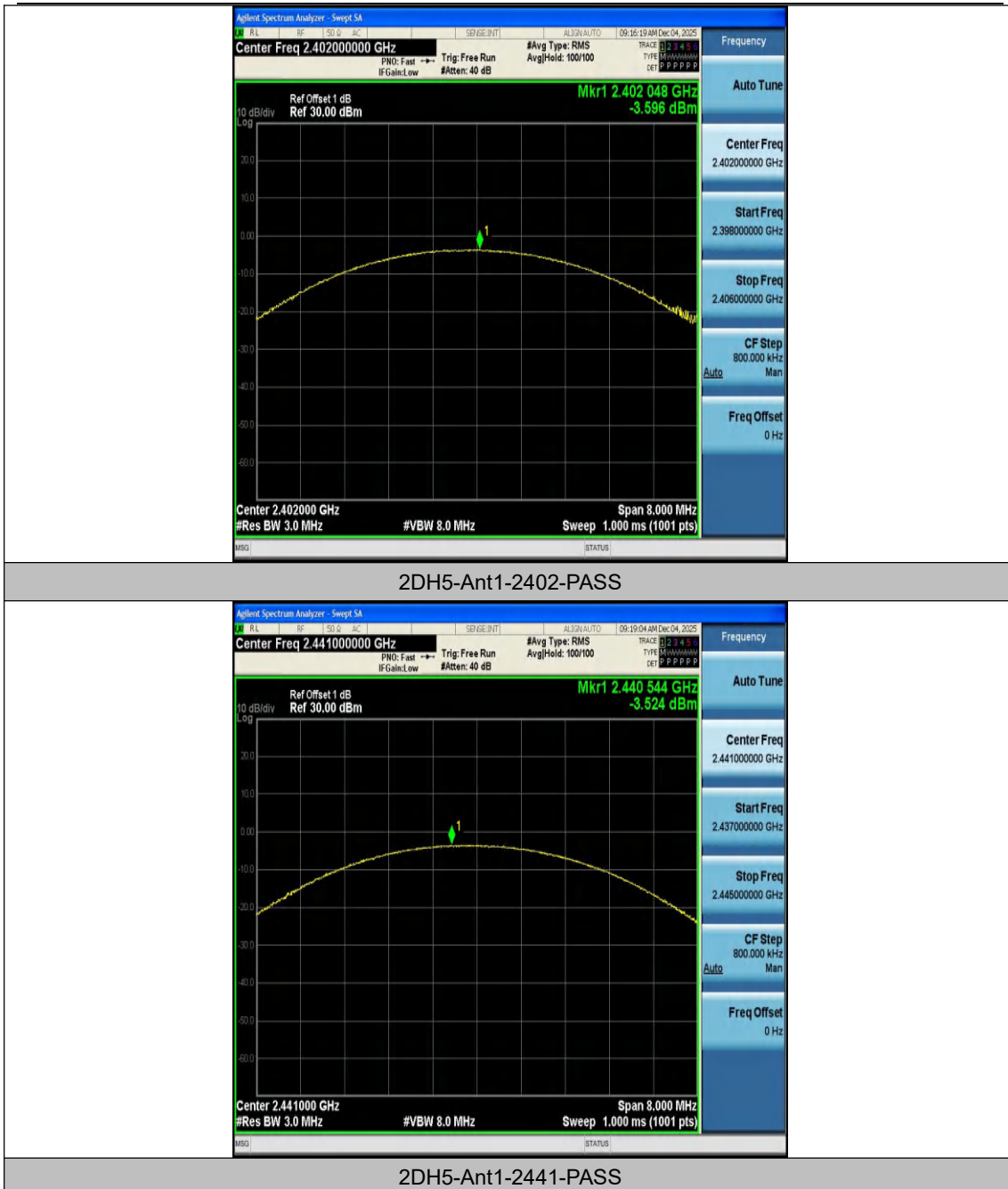




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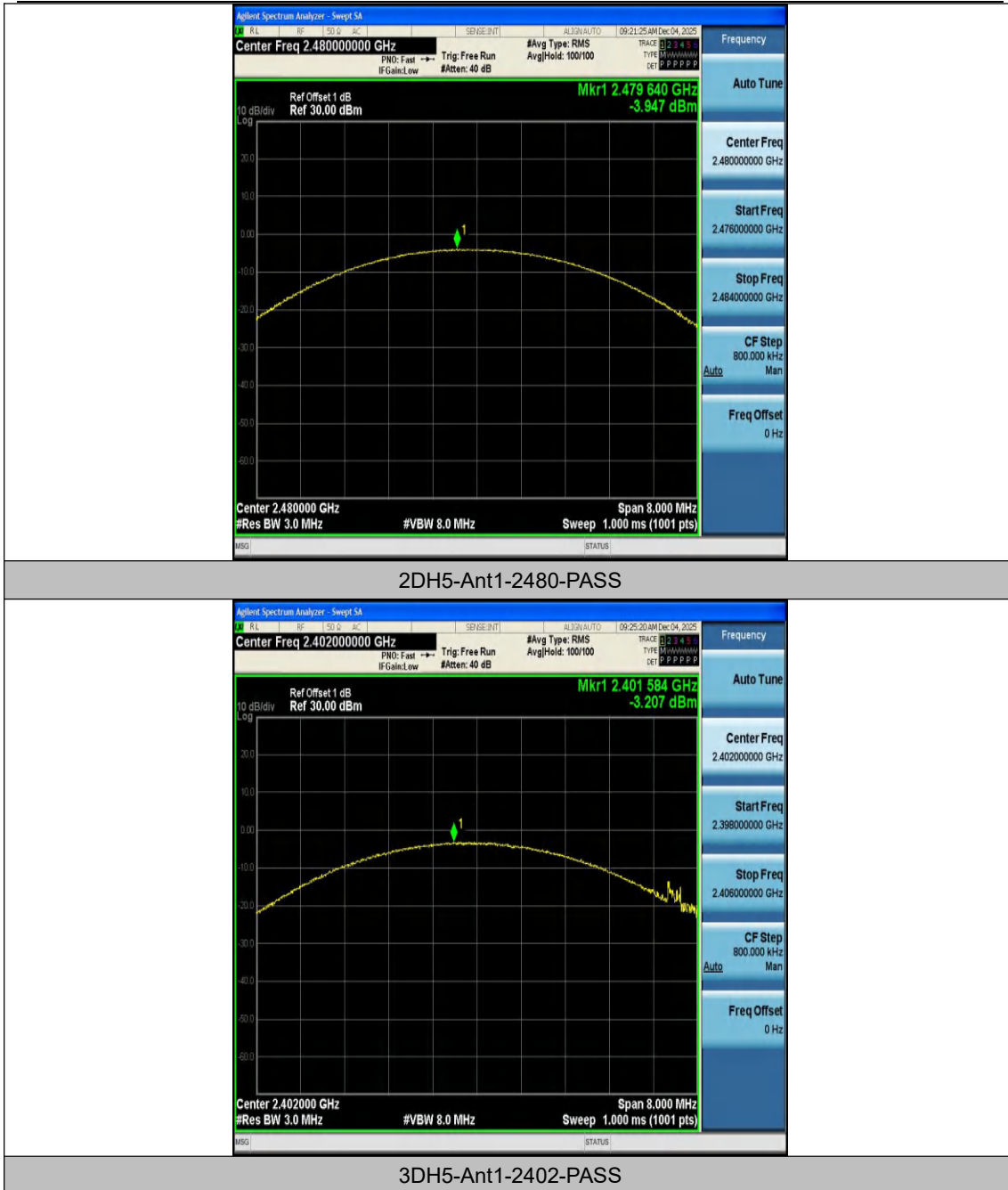
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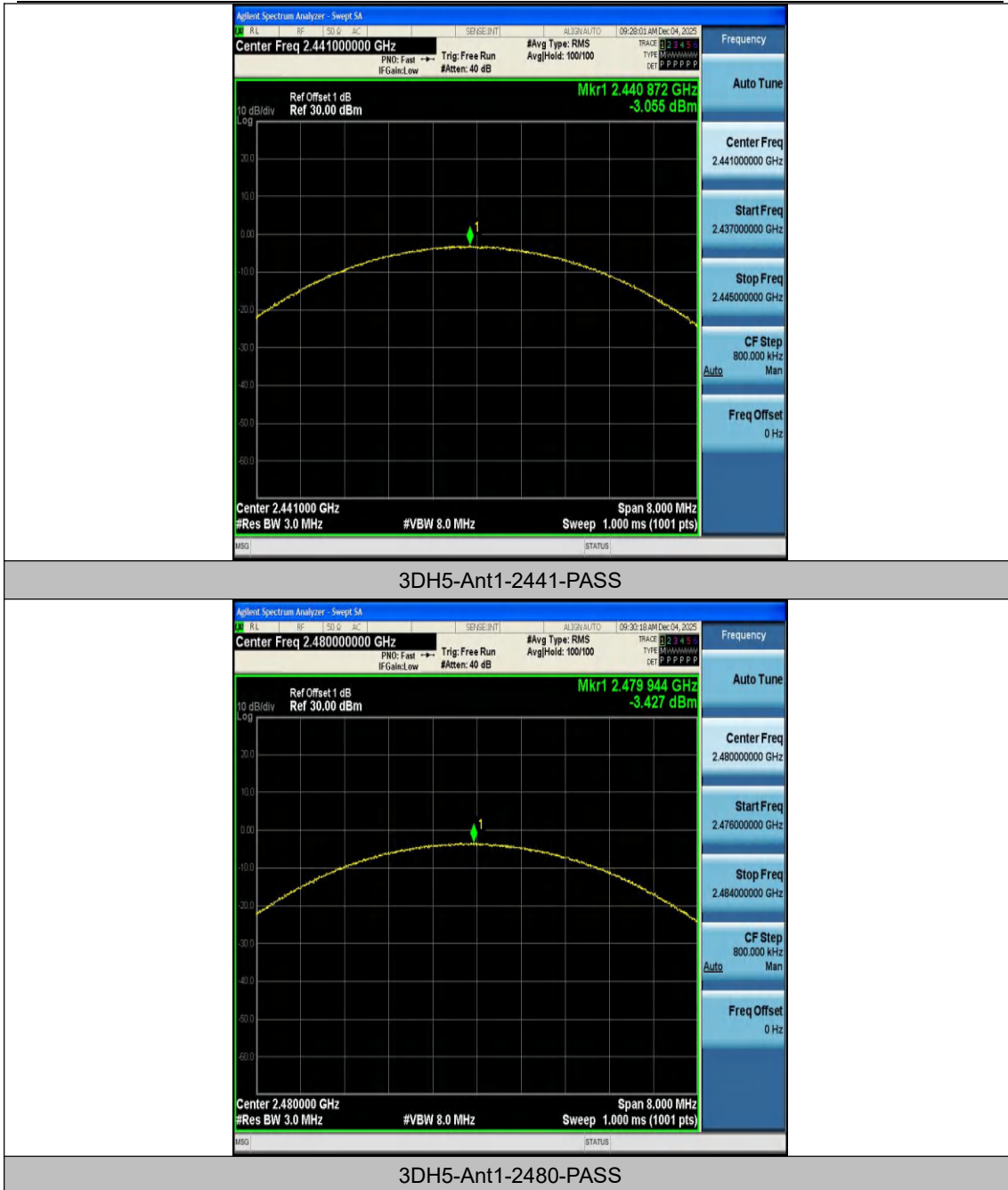
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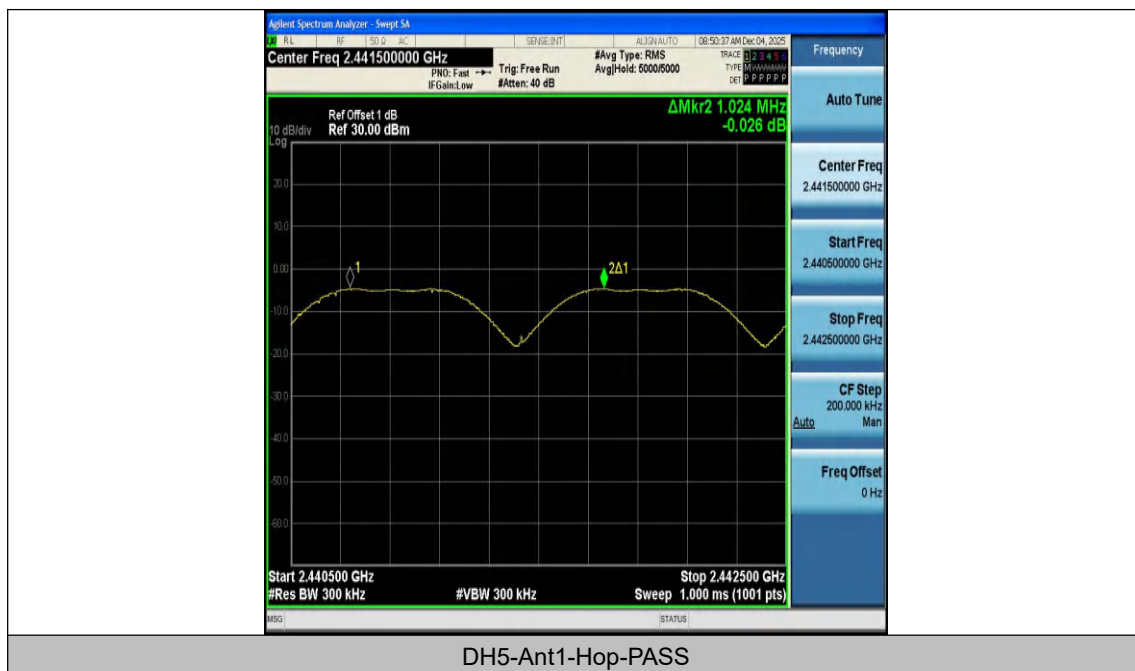
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.024	≥0.960	PASS
2DH5	Ant1	Hop	1.016	≥0.904	PASS
3DH5	Ant1	Hop	1.02	≥0.894	PASS

Test Graphs





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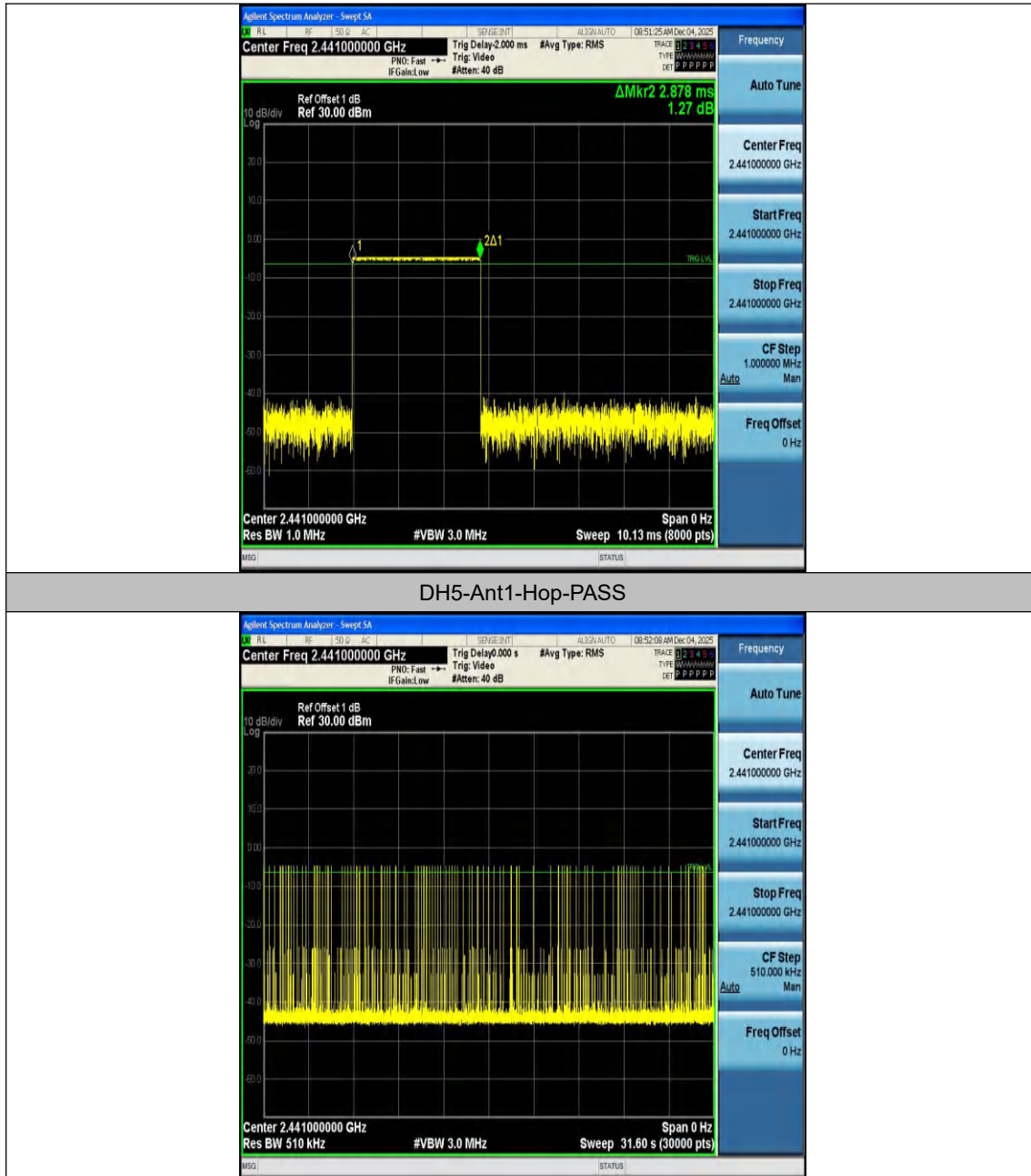
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	115	0.331	≤0.4	PASS
2DH5	Ant1	Hop	2.880	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.887	115	0.332	≤0.4	PASS

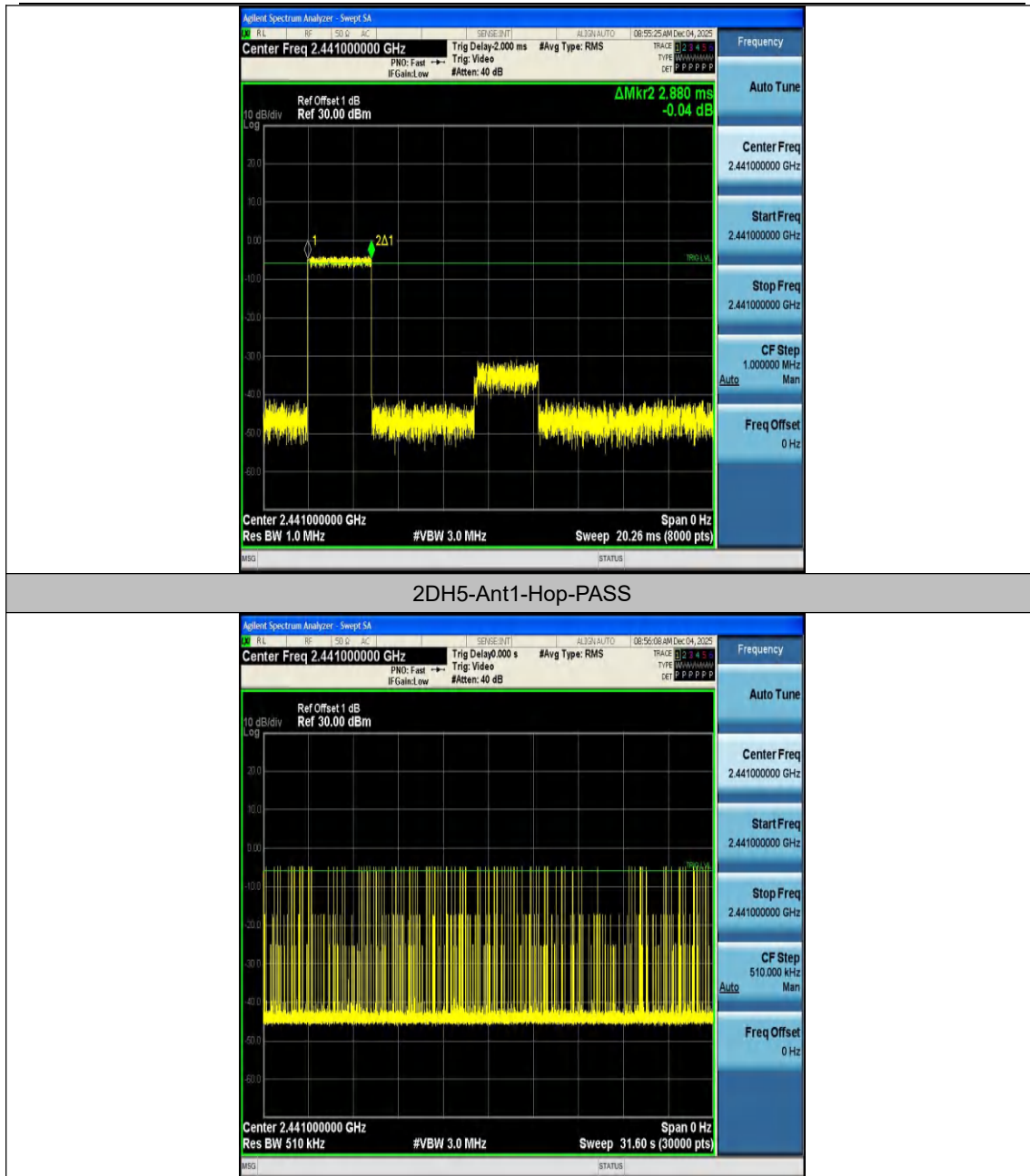
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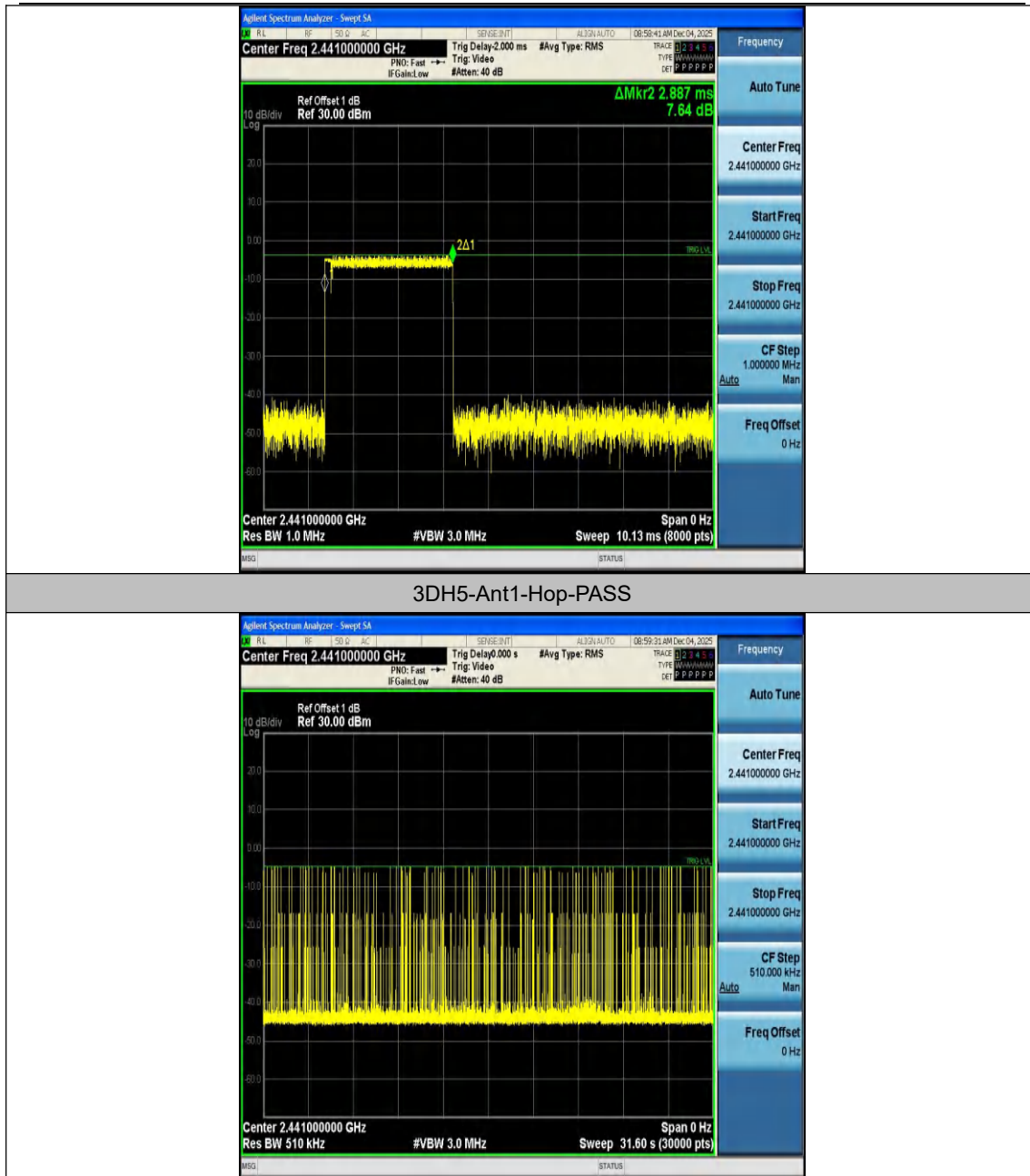
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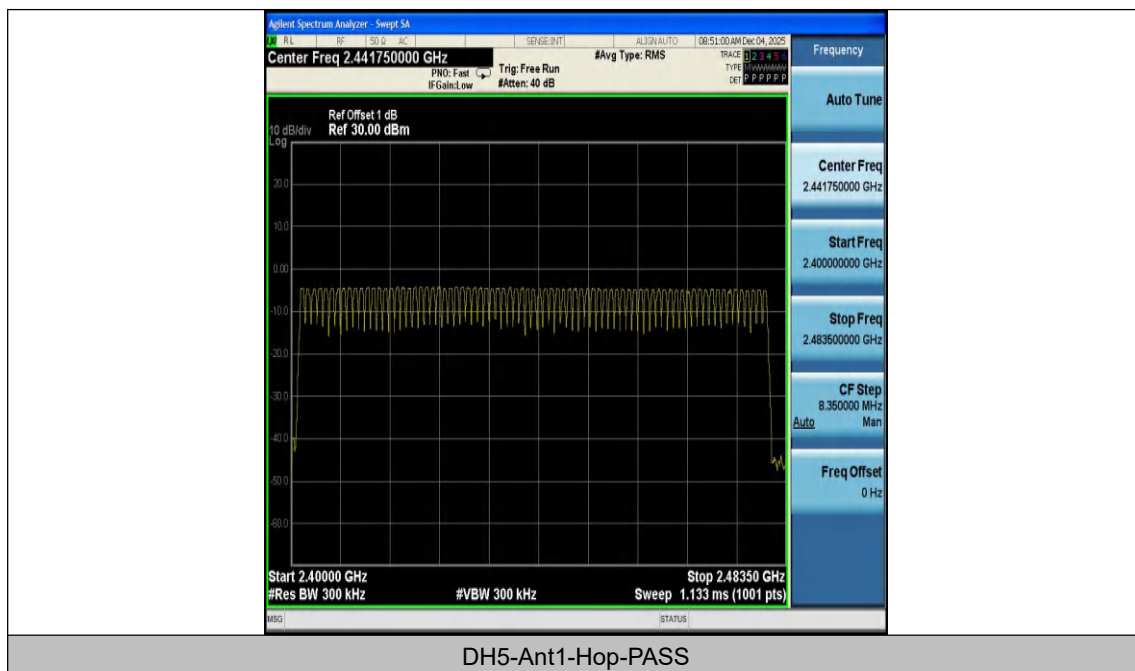
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Appendix F: Number of Hopping Channel

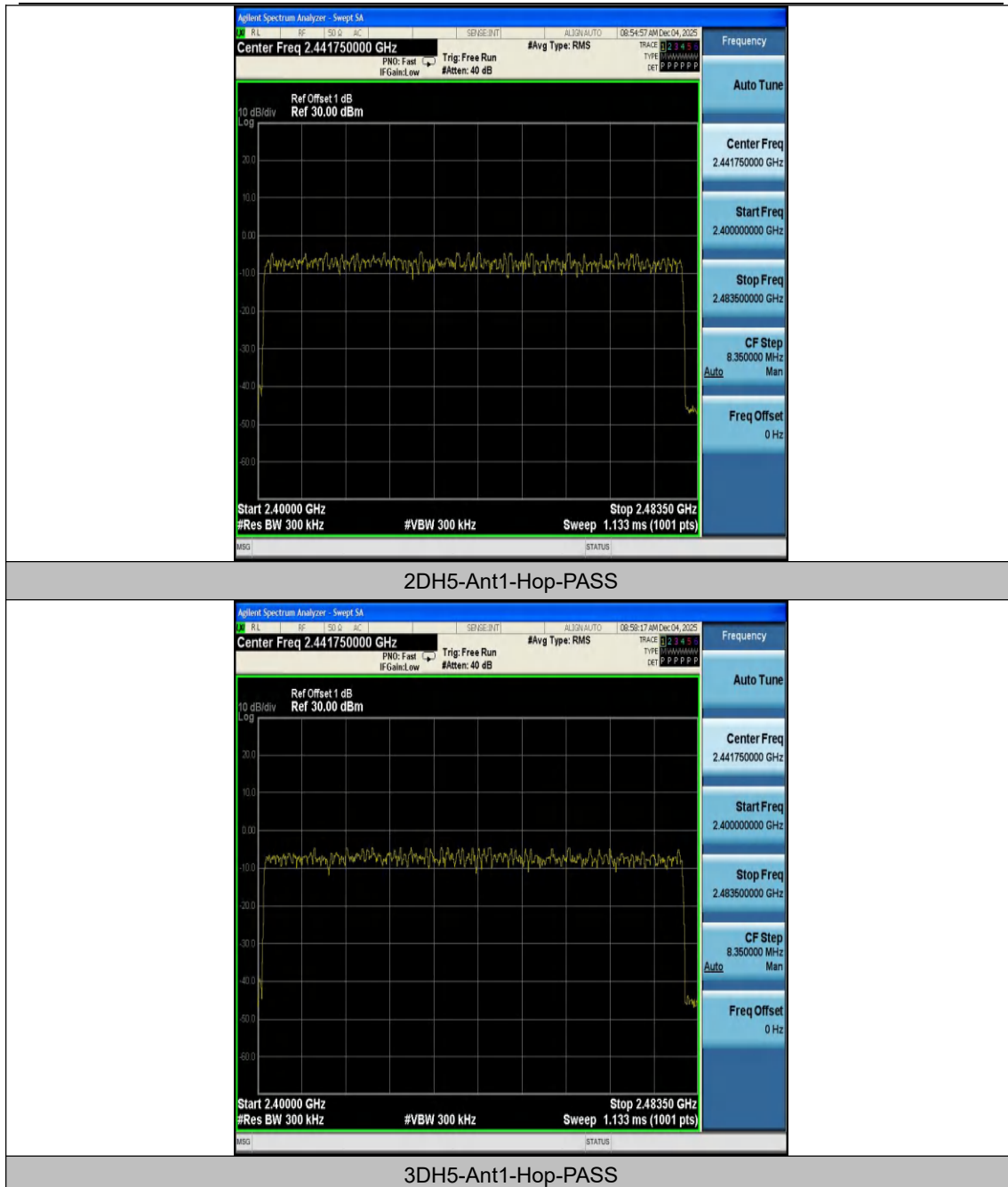
Test Result

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



DH5-Ant1-Hop-PASS



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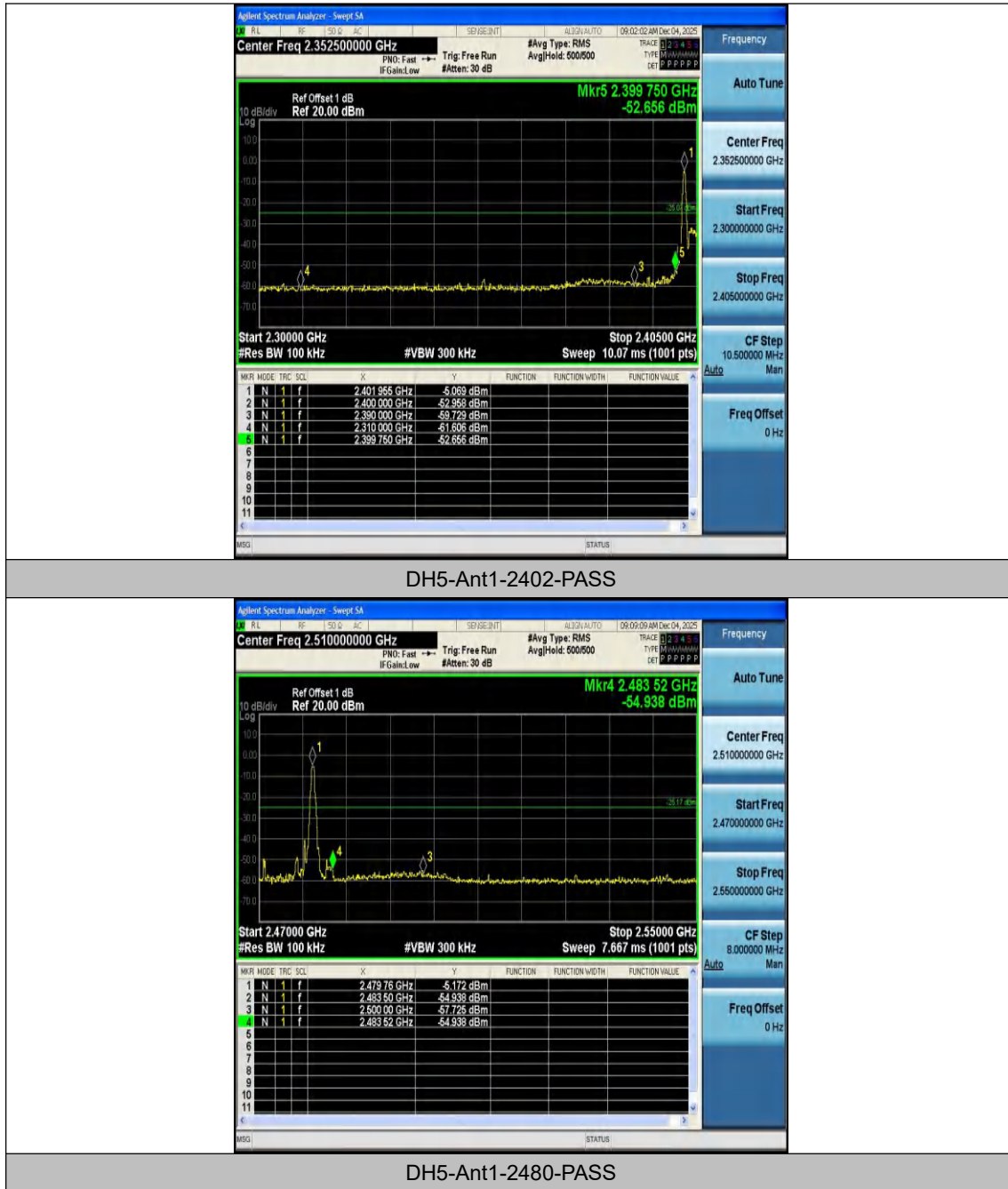
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.07	-52.66	≤-25.07	PASS
DH5	Ant1	High	2480	-5.17	-54.94	≤-25.17	PASS
DH5	Ant1	Low	Hop_2402	-4.99	-53.42	≤-24.99	PASS
DH5	Ant1	High	Hop_2480	-5.31	-55.08	≤-25.31	PASS
2DH5	Ant1	Low	2402	-4.85	-54.97	≤-24.85	PASS
2DH5	Ant1	High	2480	-5.03	-54.74	≤-25.03	PASS
2DH5	Ant1	Low	Hop_2402	-8.60	-50.64	≤-28.6	PASS
2DH5	Ant1	High	Hop_2480	-5.57	-56.05	≤-25.57	PASS
3DH5	Ant1	Low	2402	-4.98	-51.84	≤-24.98	PASS
3DH5	Ant1	High	2480	-5.03	-55.11	≤-25.03	PASS
3DH5	Ant1	Low	Hop_2402	-5.76	-56.51	≤-25.76	PASS
3DH5	Ant1	High	Hop_2480	-5.04	-55.67	≤-25.04	PASS

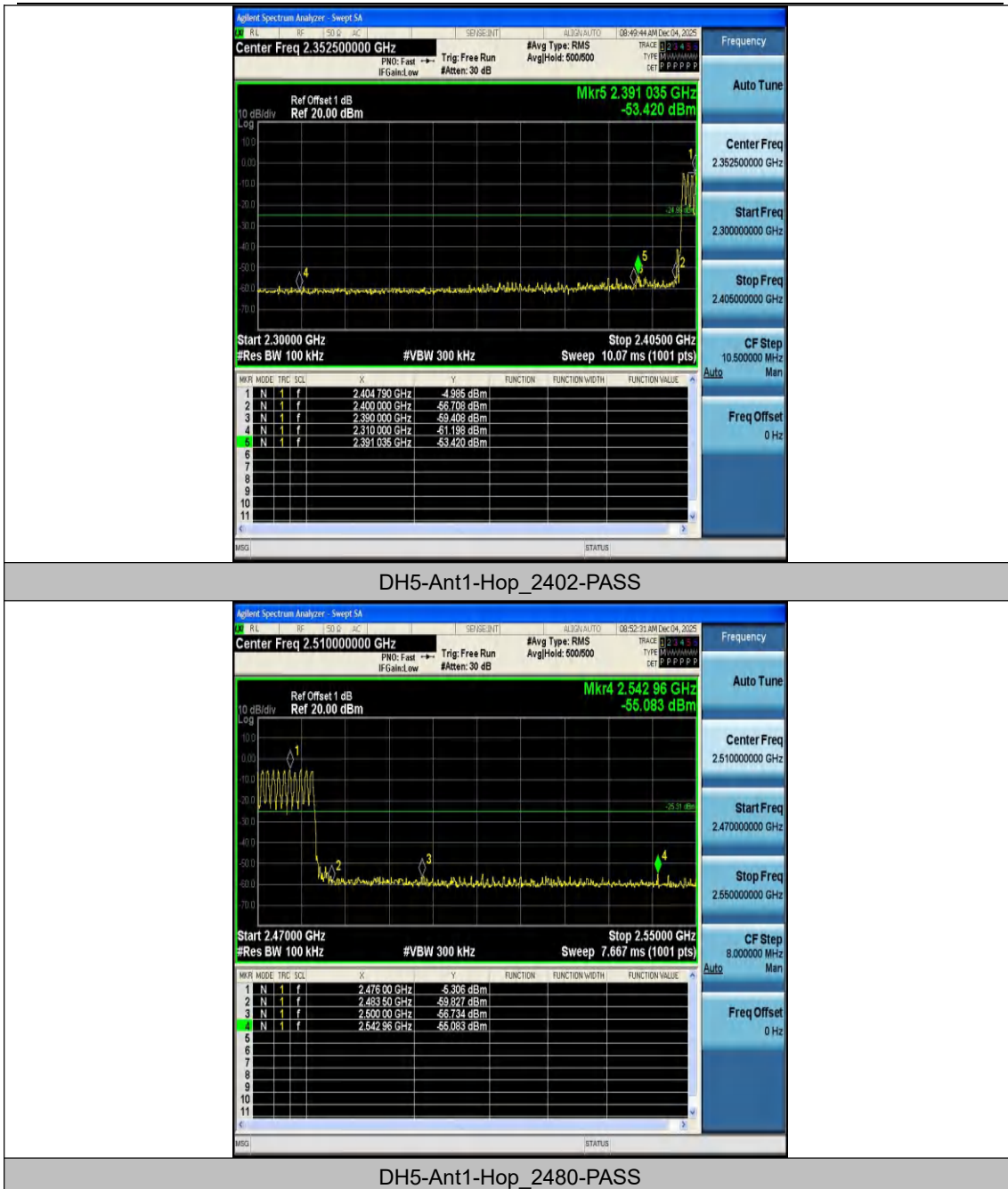
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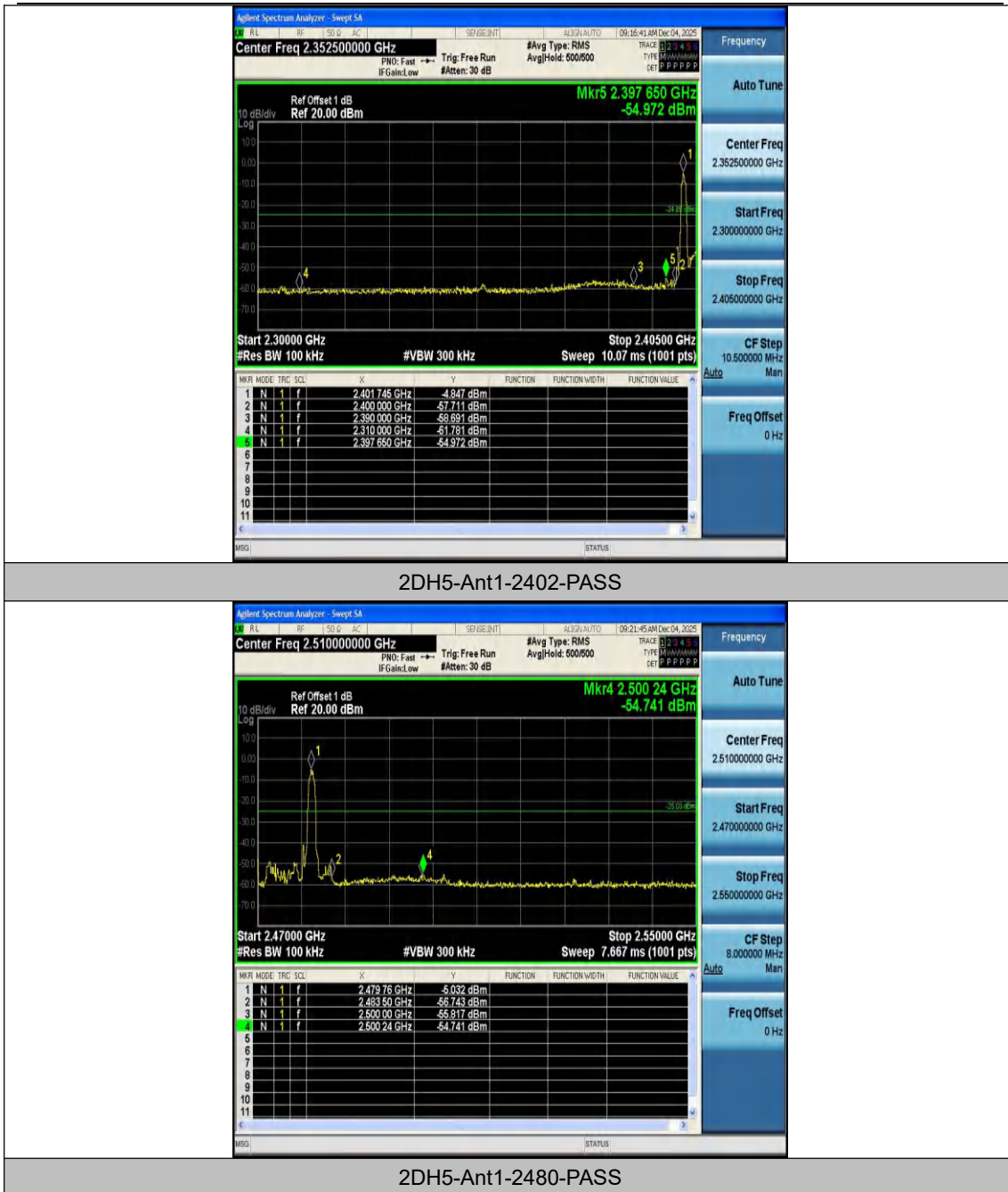


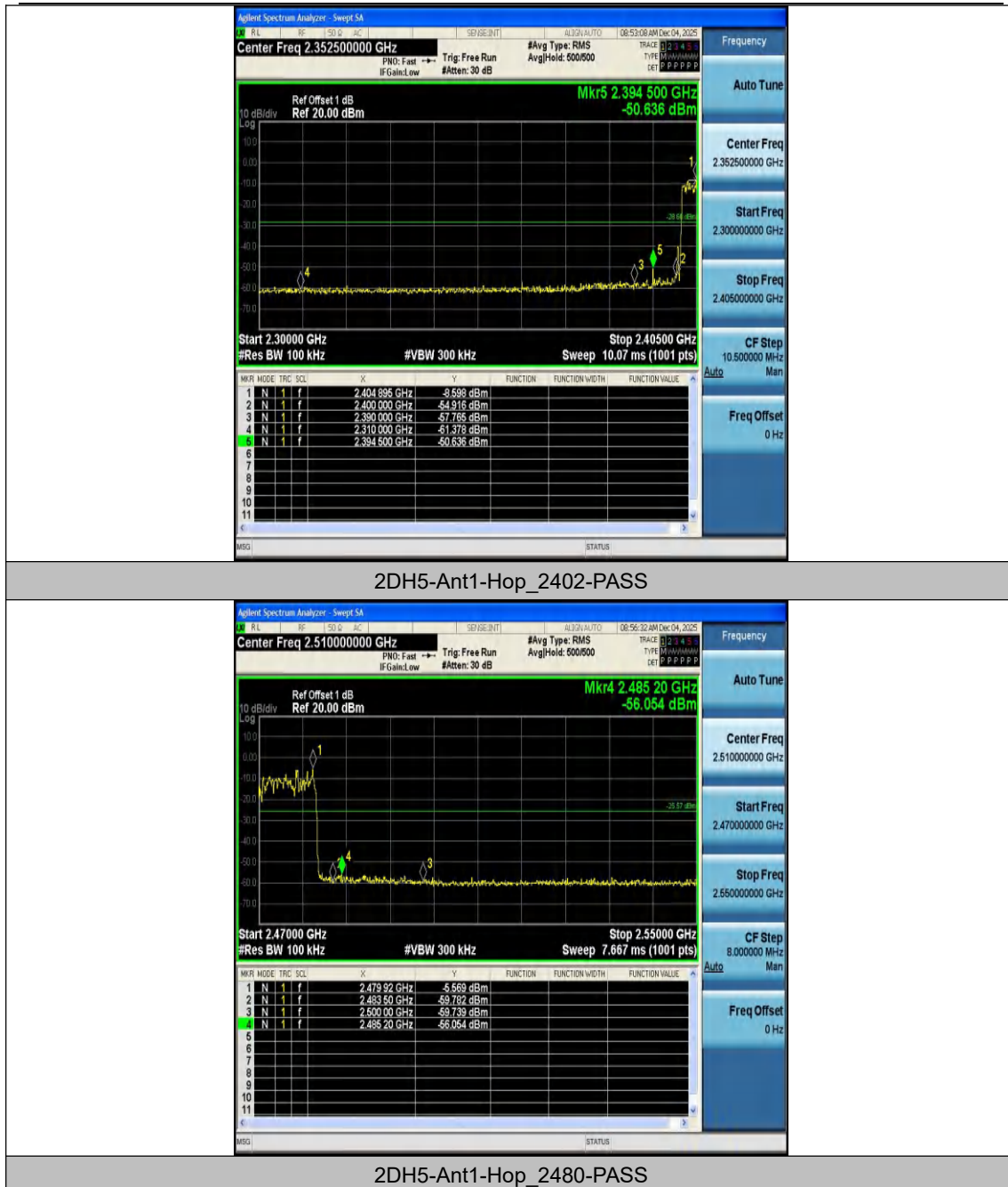
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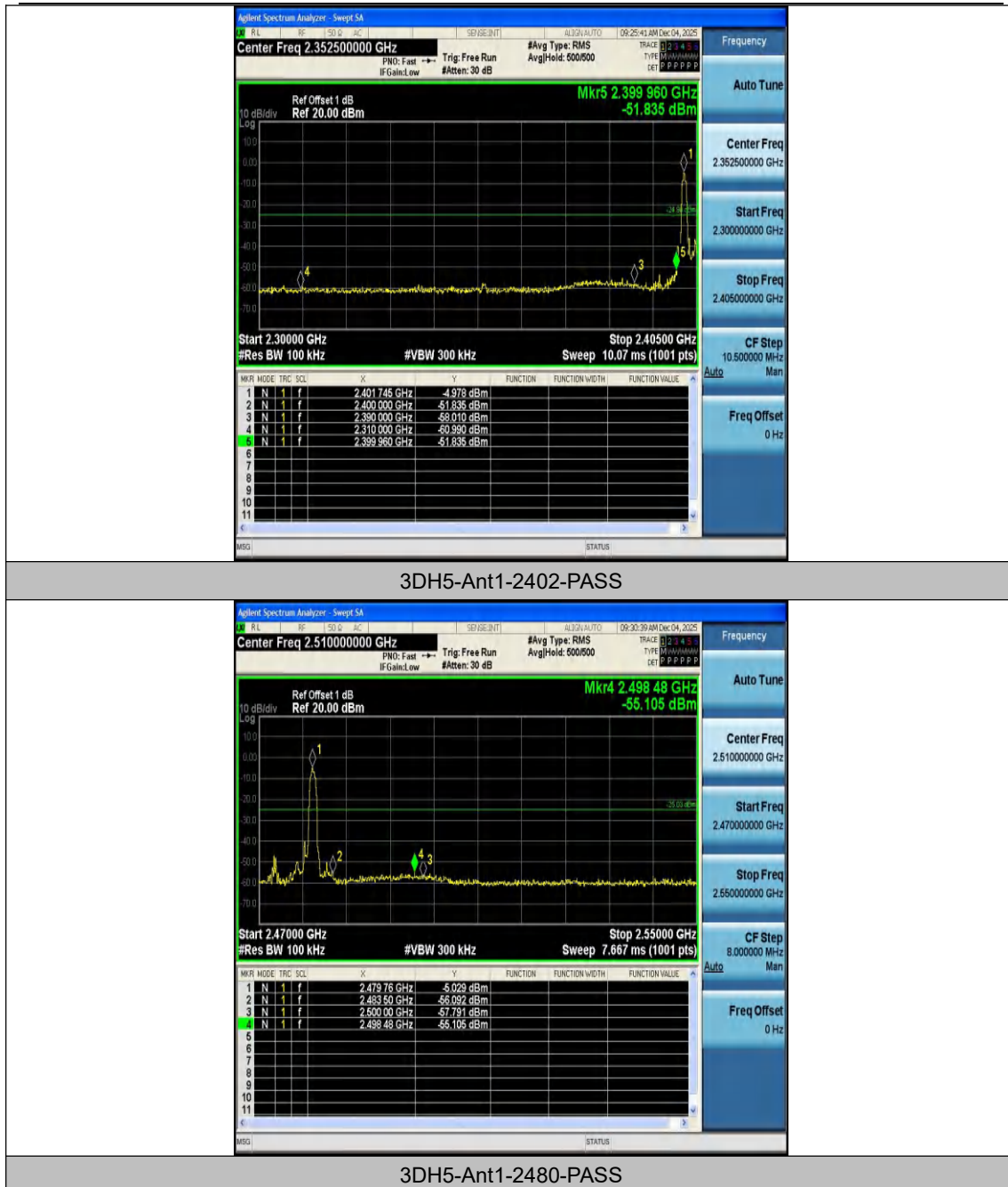
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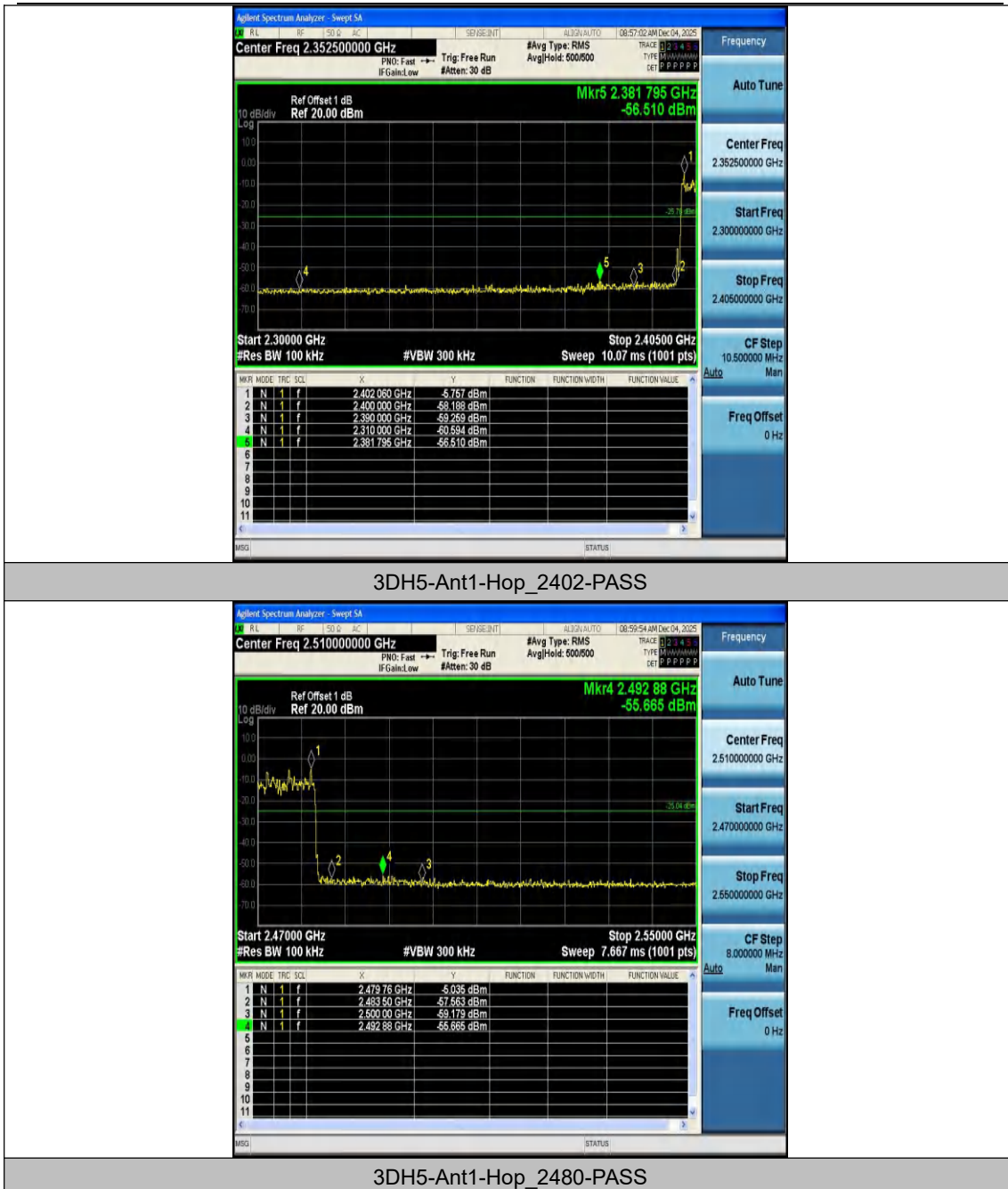
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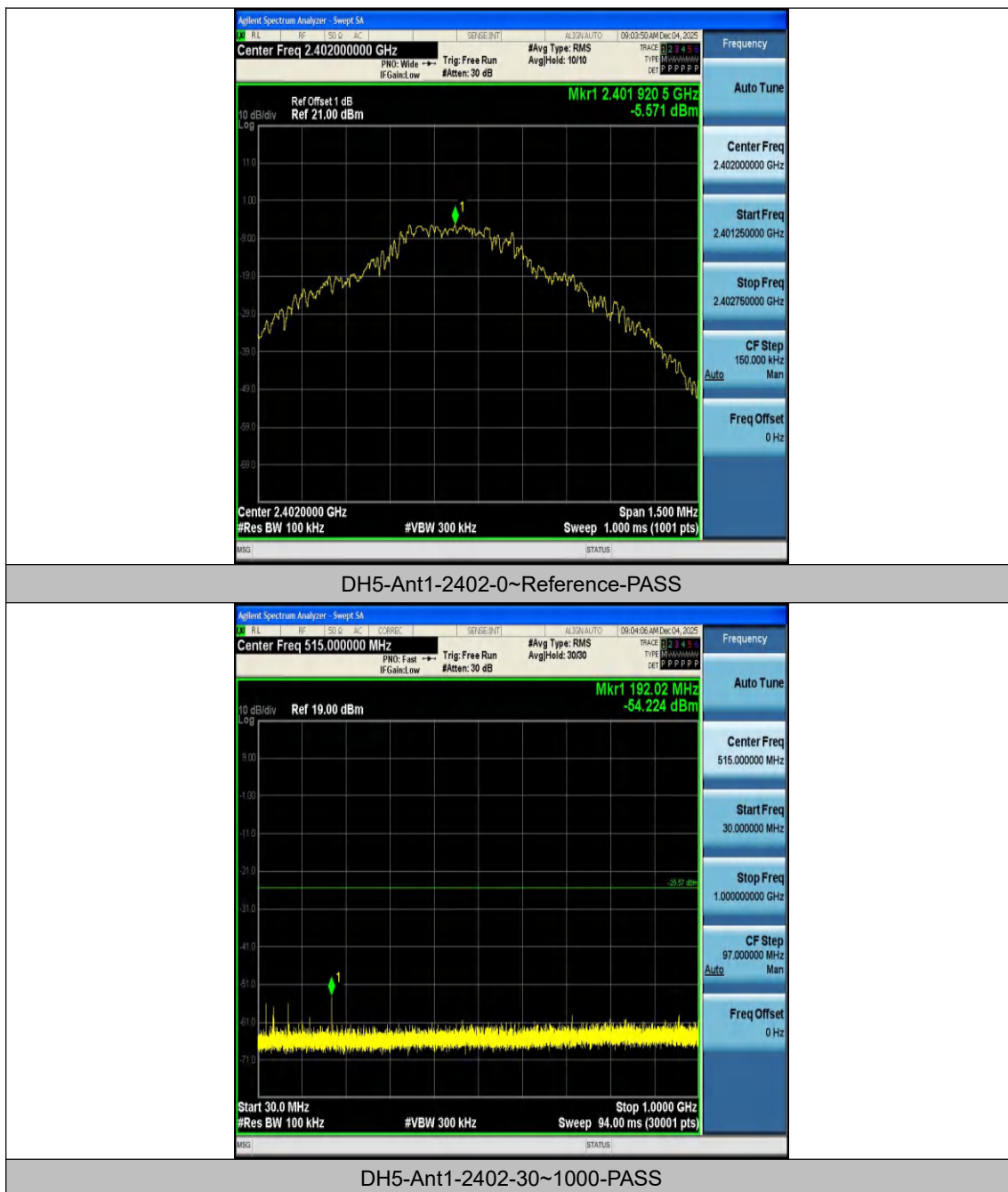
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-5.57	-5.57	---	PASS
DH5	Ant1	2402	30~1000	-5.57	-54.22	≤-25.57	PASS
DH5	Ant1	2402	1000~26500	-5.57	-46.28	≤-25.57	PASS
DH5	Ant1	2441	0~Reference	-5.42	-5.42	---	PASS
DH5	Ant1	2441	30~1000	-5.42	-52.29	≤-25.42	PASS
DH5	Ant1	2441	1000~26500	-5.42	-46.26	≤-25.42	PASS
DH5	Ant1	2480	0~Reference	-5.77	-5.77	---	PASS
DH5	Ant1	2480	30~1000	-5.77	-32.74	≤-25.77	PASS
DH5	Ant1	2480	1000~26500	-5.77	-45.97	≤-25.77	PASS
2DH5	Ant1	2402	0~Reference	-8.80	-8.80	---	PASS
2DH5	Ant1	2402	30~1000	-8.80	-51.85	≤-28.8	PASS
2DH5	Ant1	2402	1000~26500	-8.80	-45.77	≤-28.8	PASS
2DH5	Ant1	2441	0~Reference	-4.88	-4.88	---	PASS
2DH5	Ant1	2441	30~1000	-4.88	-51.88	≤-24.88	PASS
2DH5	Ant1	2441	1000~26500	-4.88	-46.79	≤-24.88	PASS
2DH5	Ant1	2480	0~Reference	-7.78	-7.78	---	PASS
2DH5	Ant1	2480	30~1000	-7.78	-49.47	≤-27.78	PASS
2DH5	Ant1	2480	1000~26500	-7.78	-46.29	≤-27.78	PASS
3DH5	Ant1	2402	0~Reference	-5.41	-5.41	---	PASS
3DH5	Ant1	2402	30~1000	-5.41	-45.17	≤-25.41	PASS
3DH5	Ant1	2402	1000~26500	-5.41	-45.72	≤-25.41	PASS
3DH5	Ant1	2441	0~Reference	-5.20	-5.20	---	PASS
3DH5	Ant1	2441	30~1000	-5.20	-55.32	≤-25.2	PASS
3DH5	Ant1	2441	1000~26500	-5.20	-46.14	≤-25.2	PASS
3DH5	Ant1	2480	0~Reference	-6.33	-6.33	---	PASS
3DH5	Ant1	2480	30~1000	-6.33	-52.65	≤-26.33	PASS
3DH5	Ant1	2480	1000~26500	-6.33	-45.37	≤-26.33	PASS

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

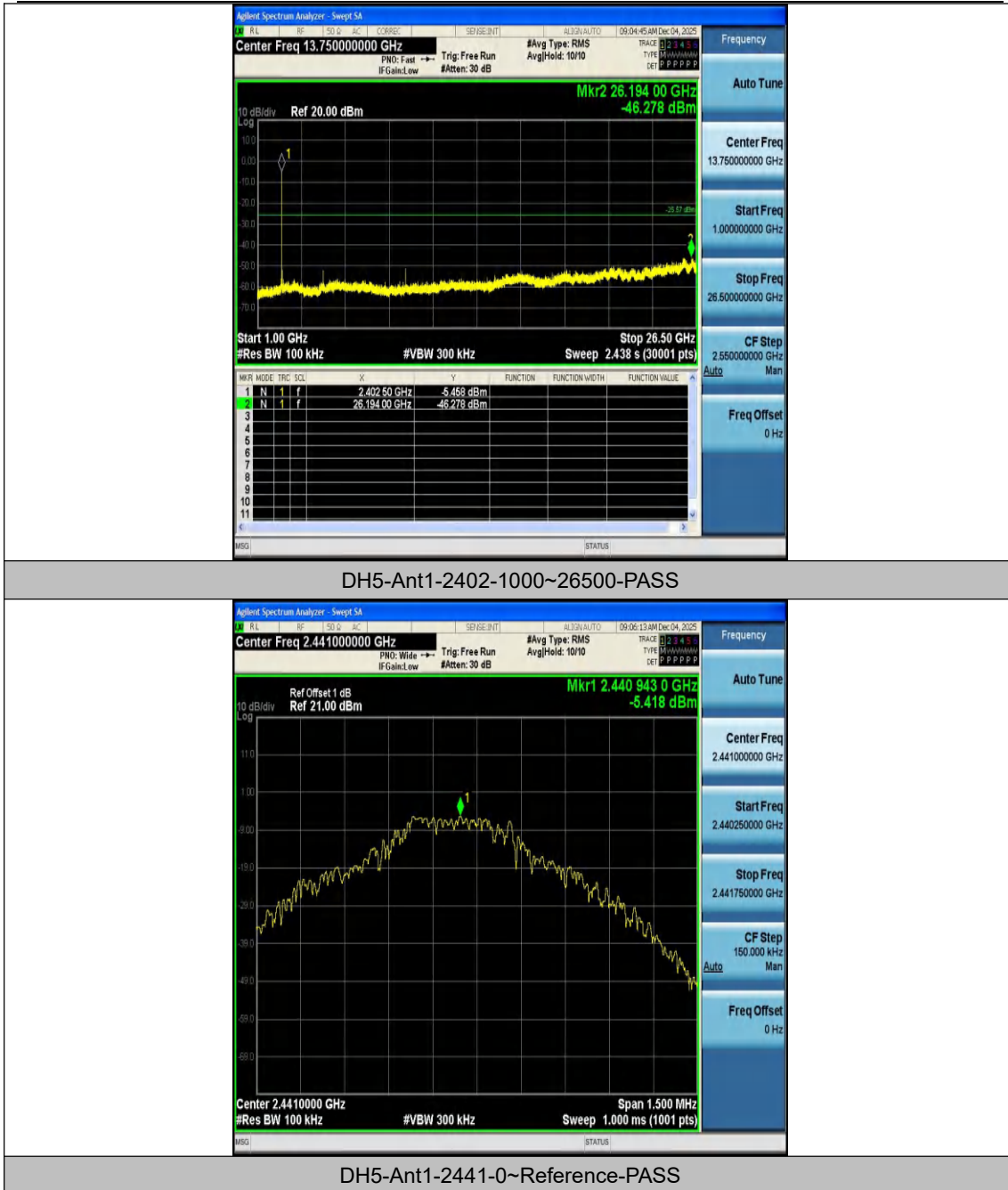
Test Graphs



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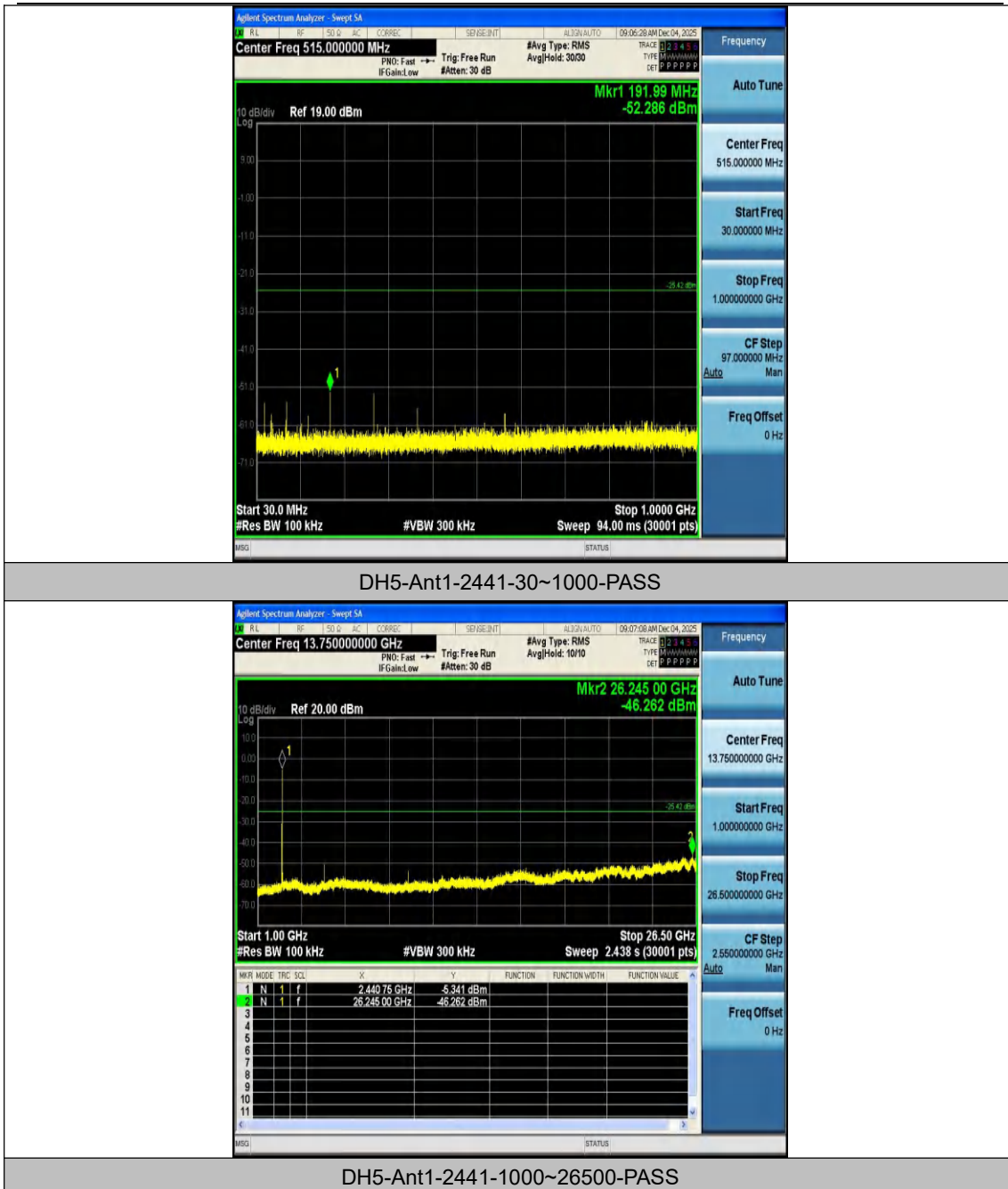
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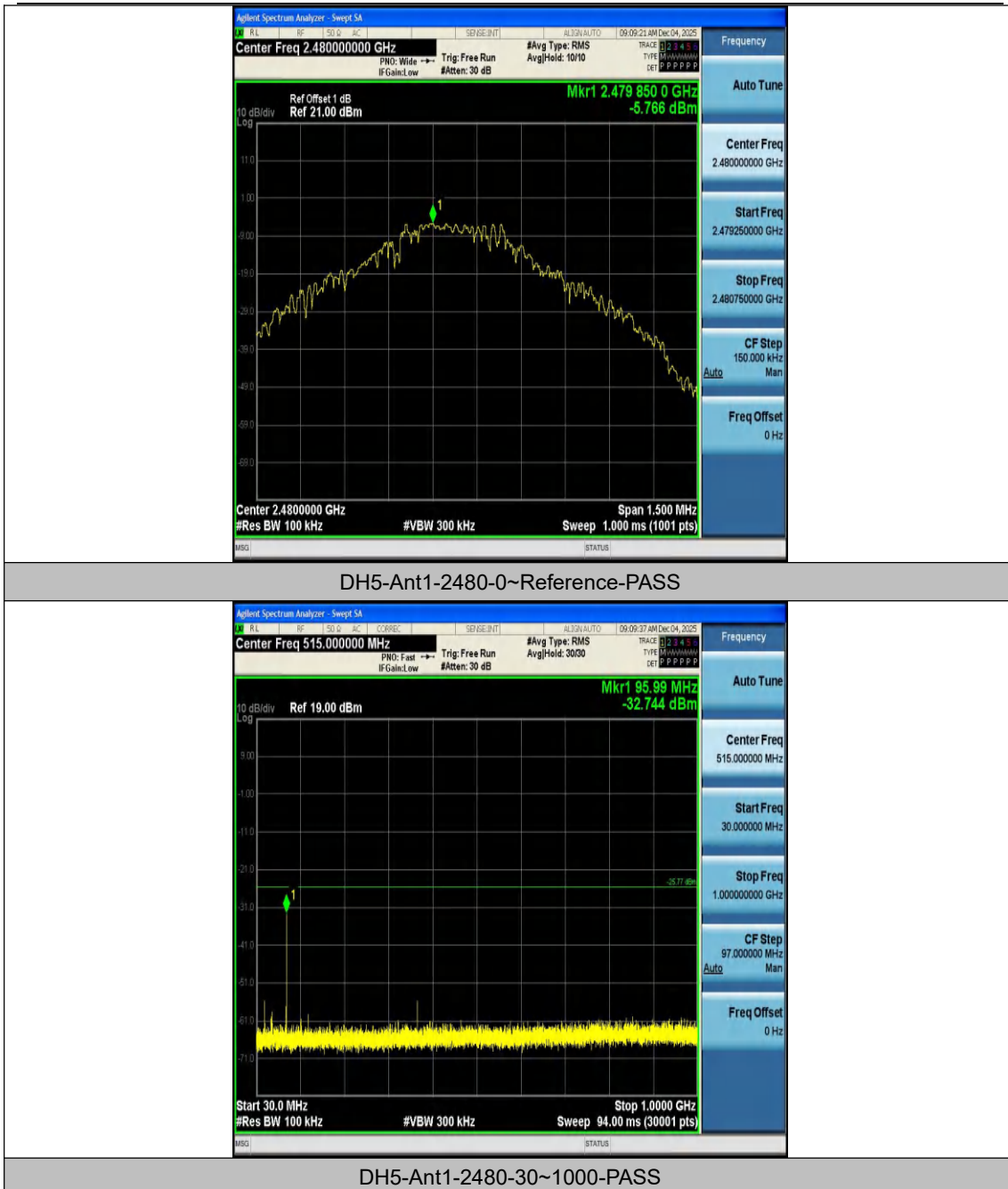


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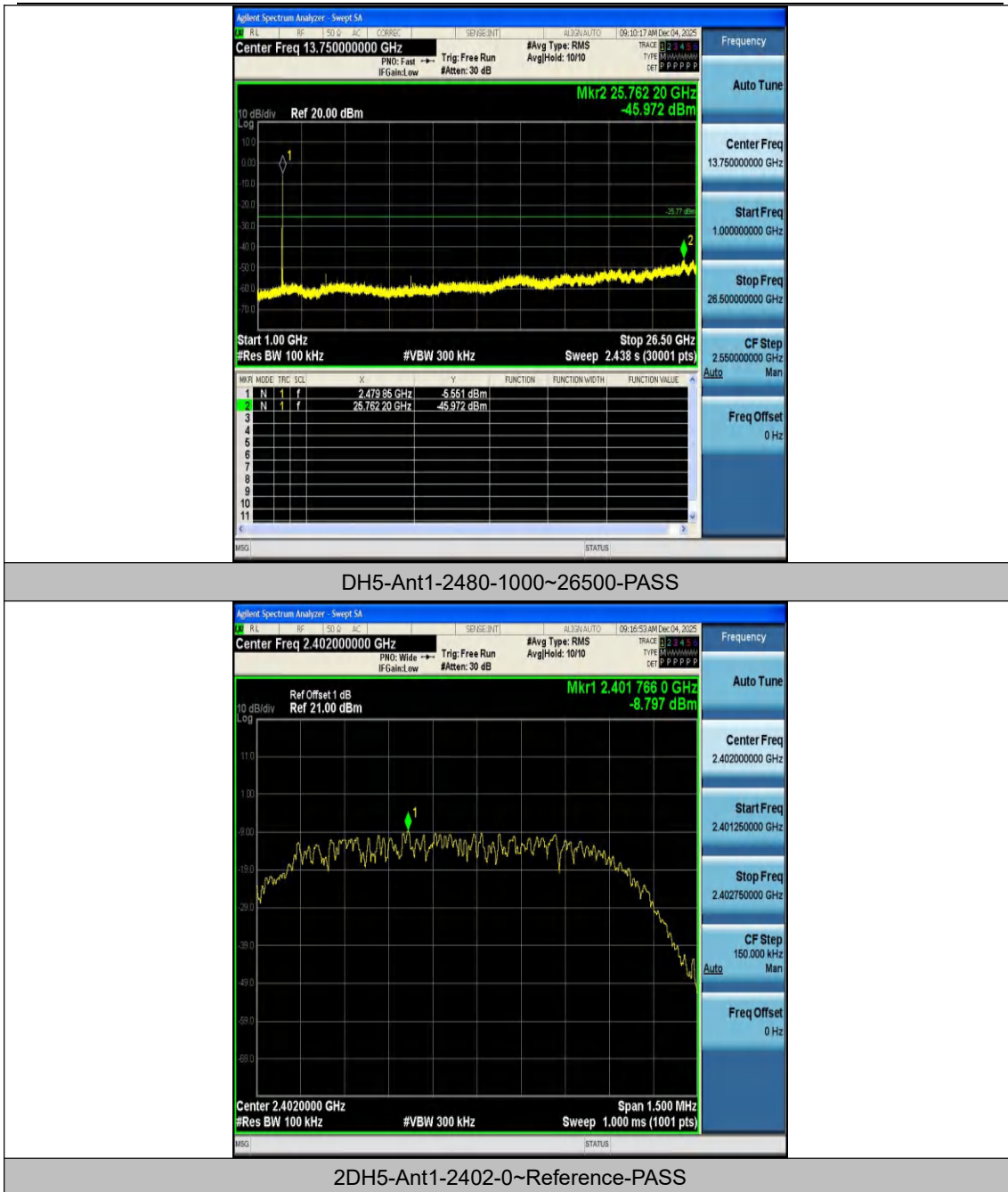




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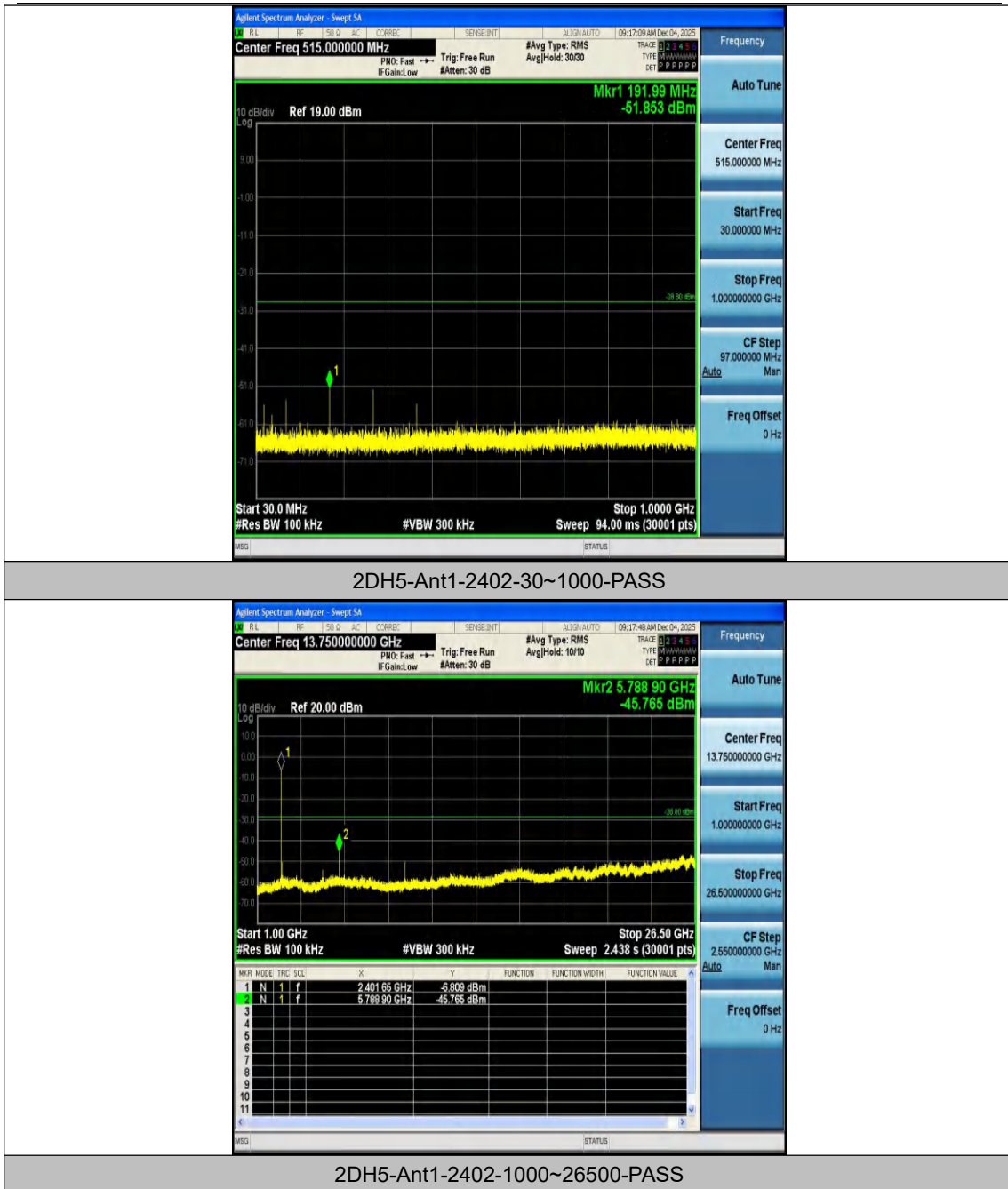
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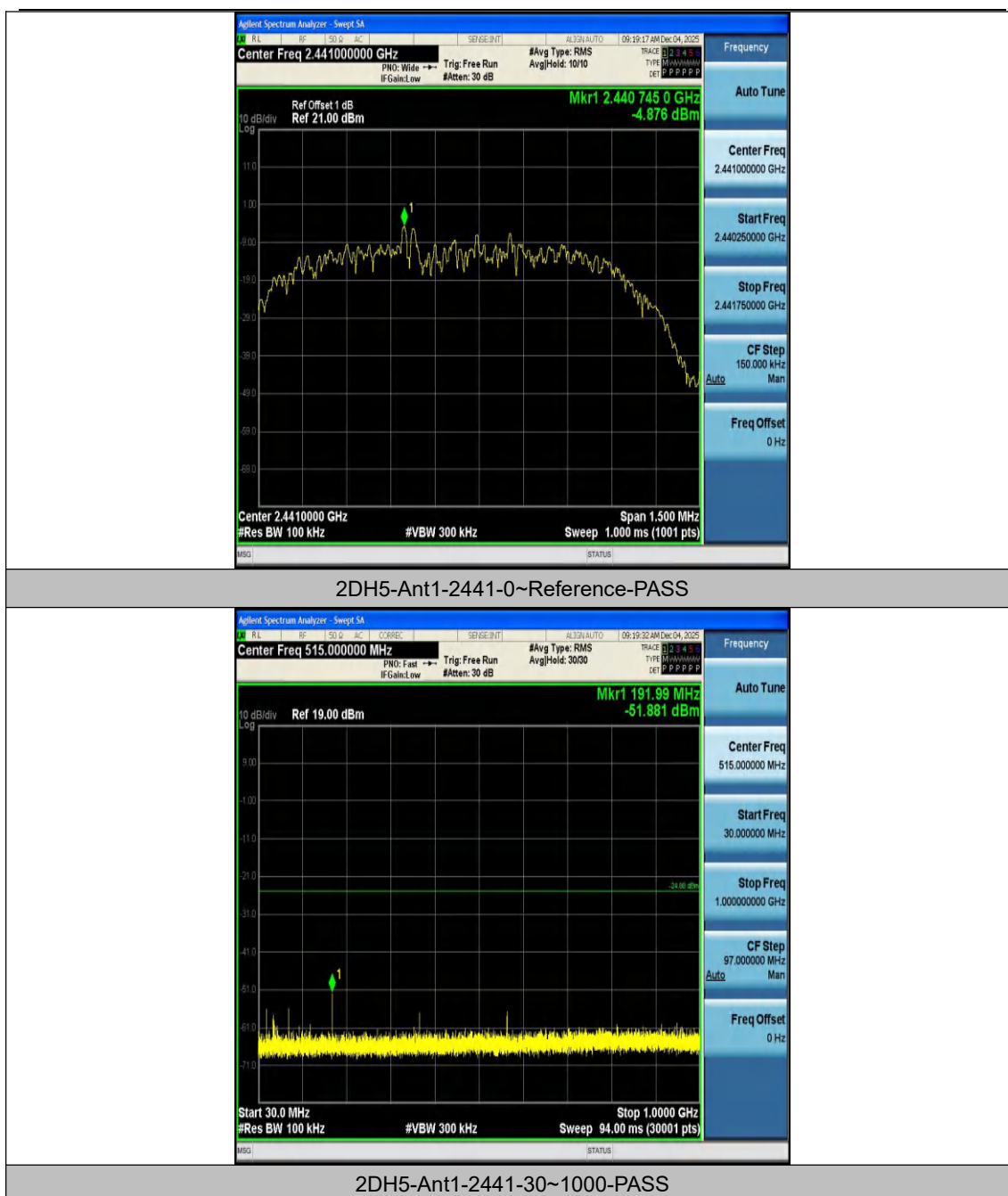
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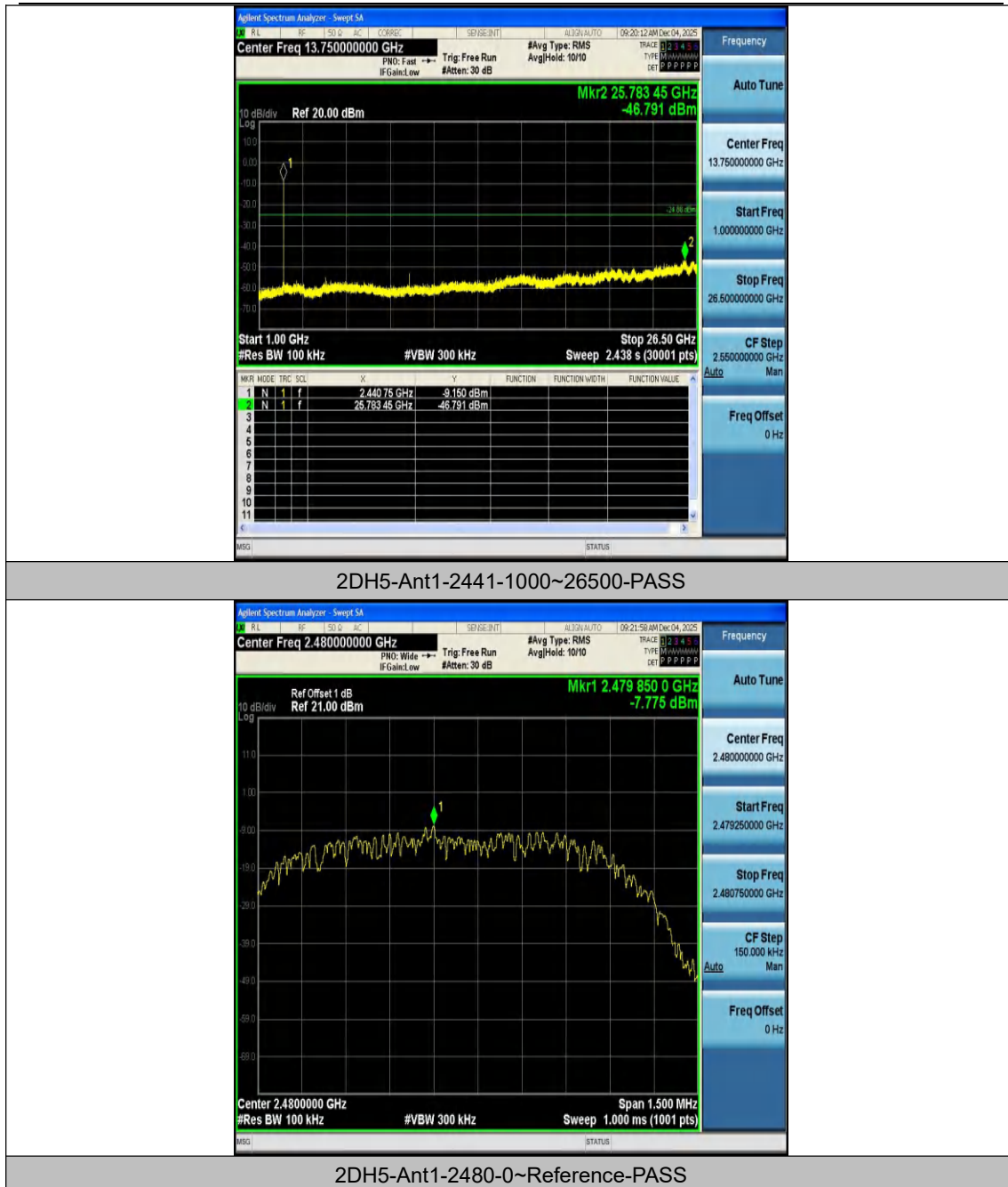
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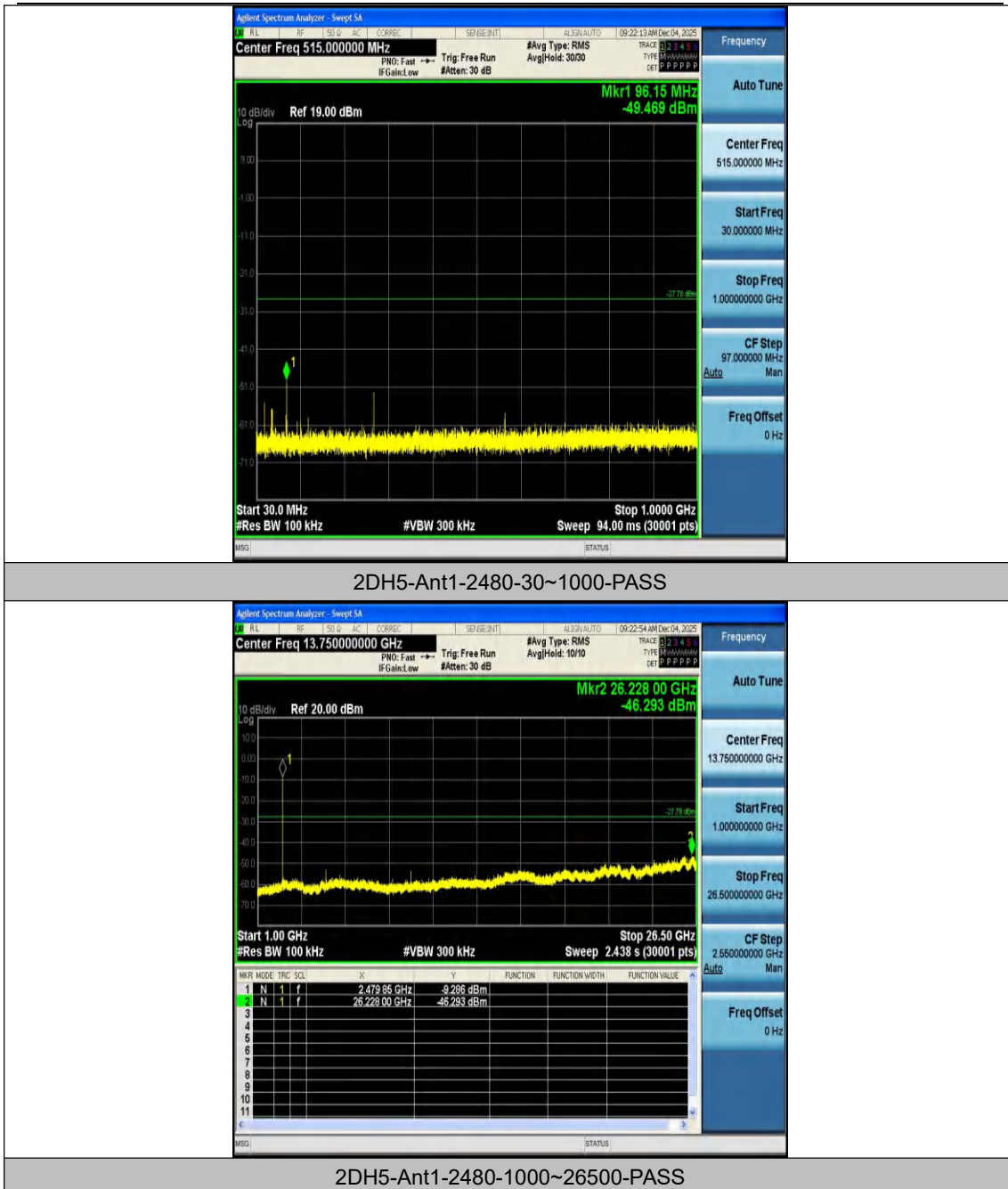
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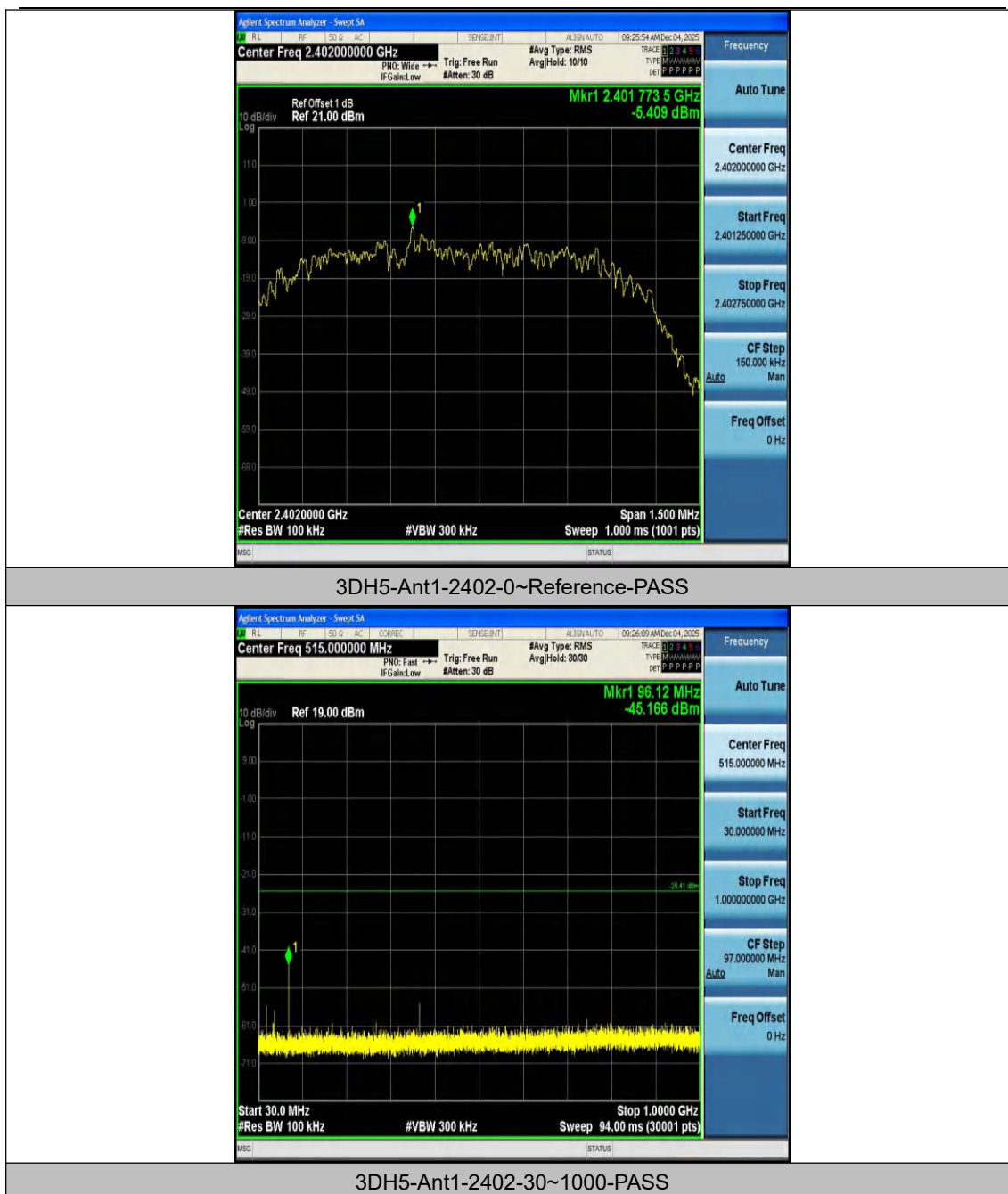


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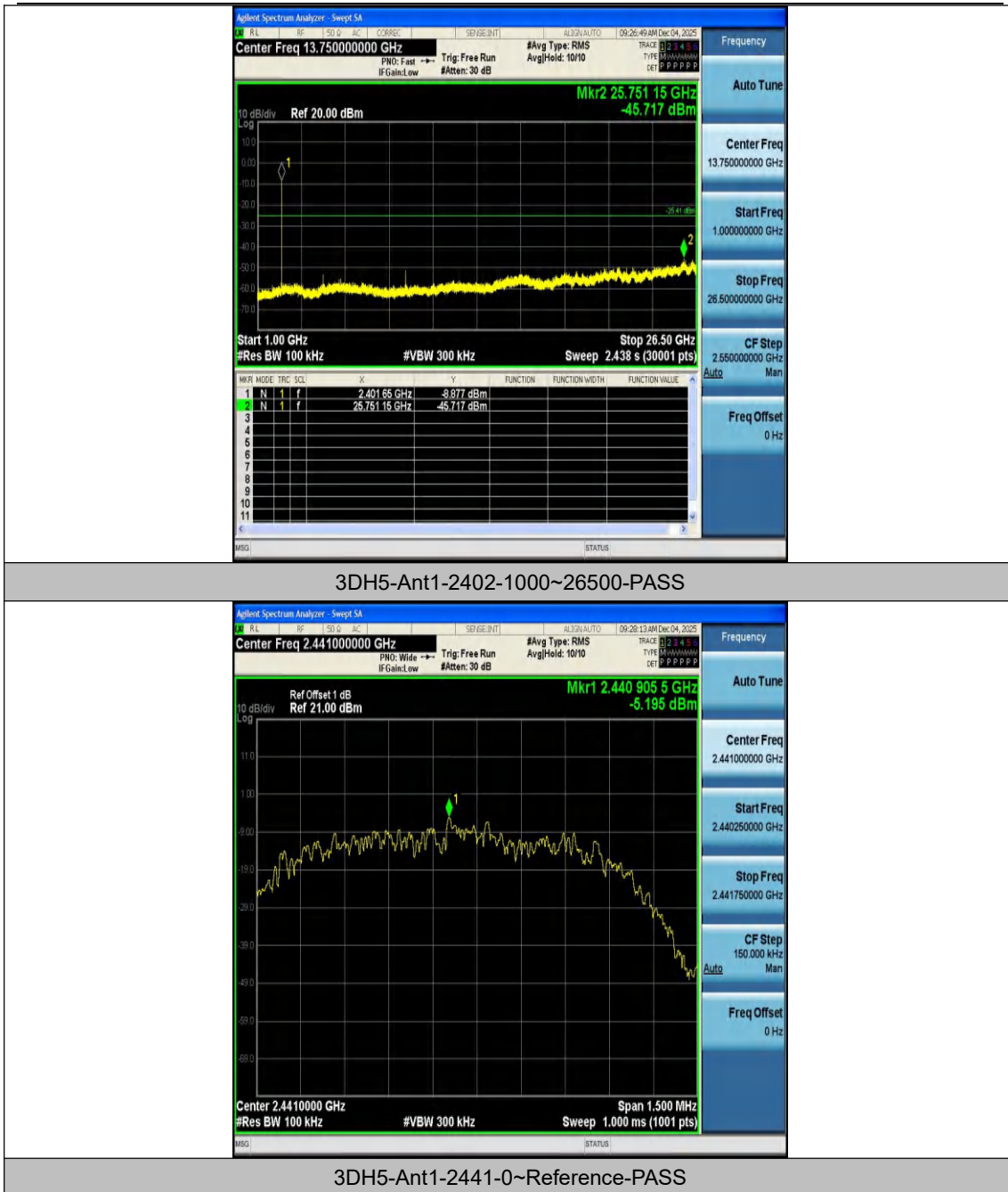




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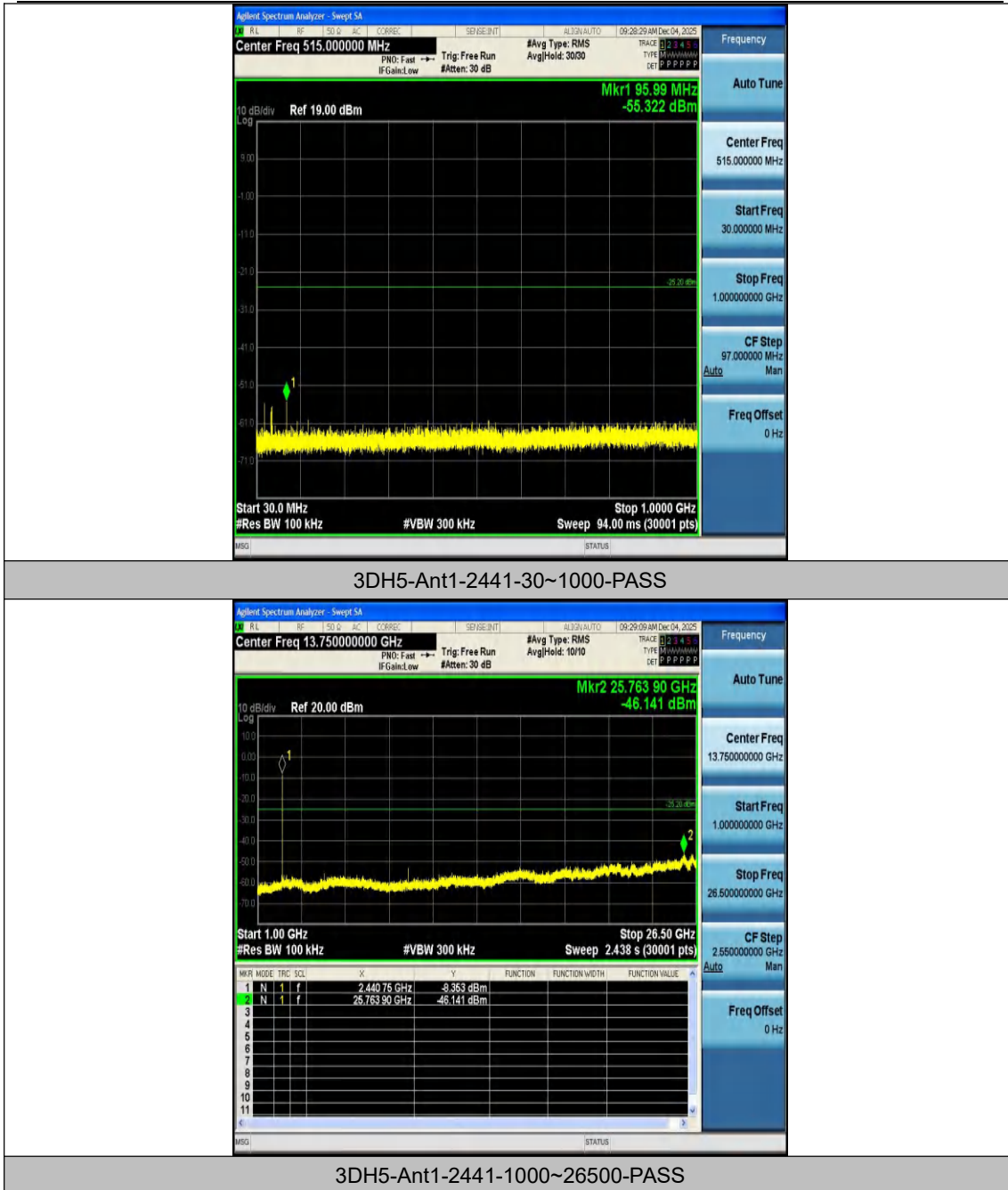
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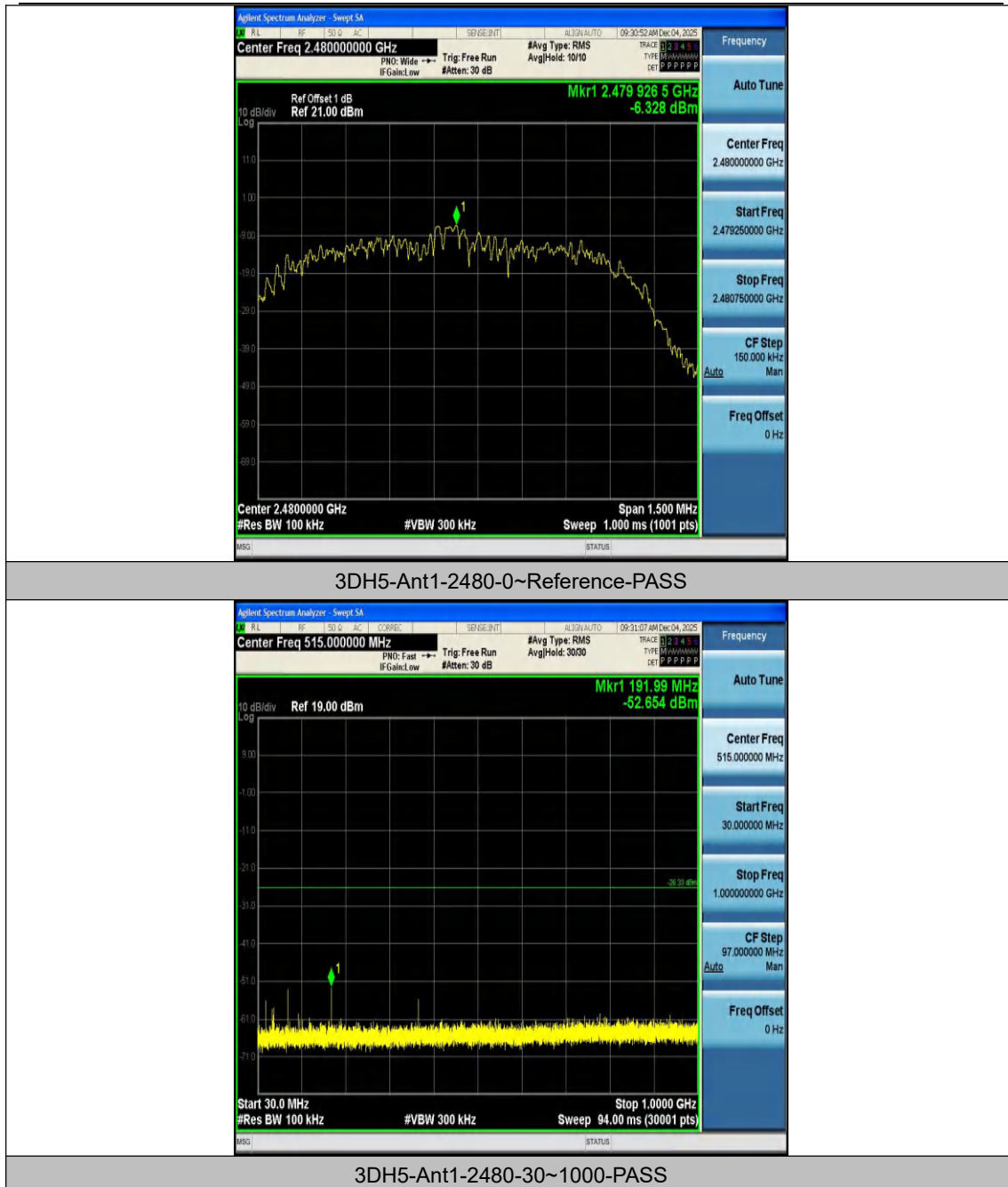


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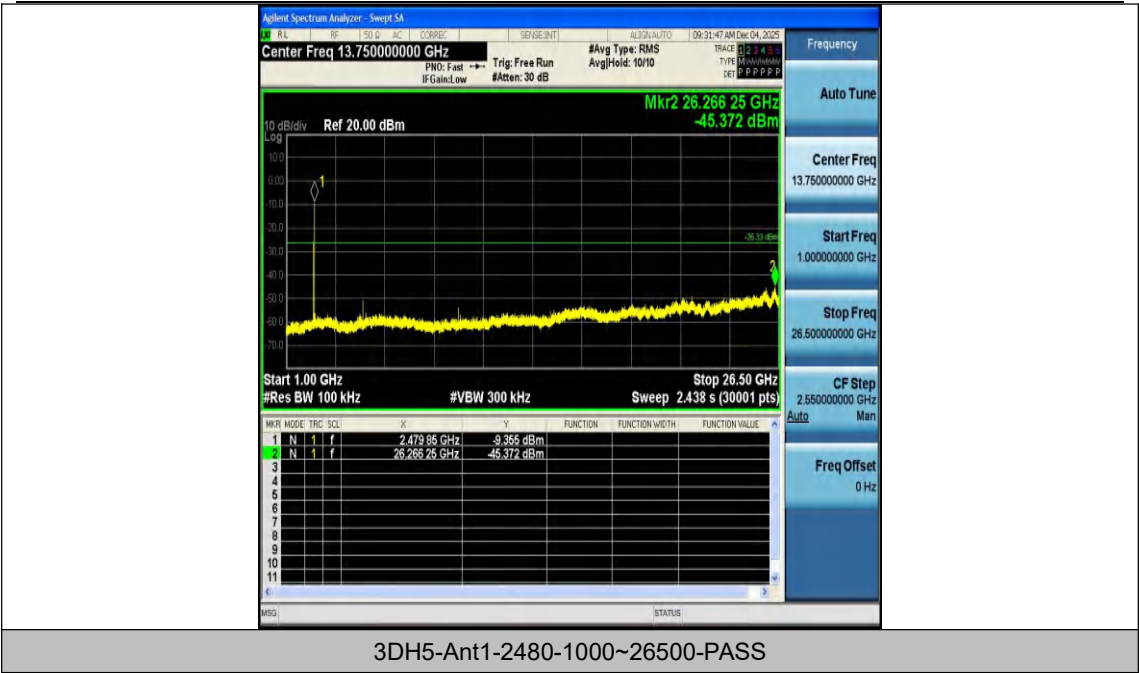




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3DH5-Ant1-2480-1000~26500-PASS

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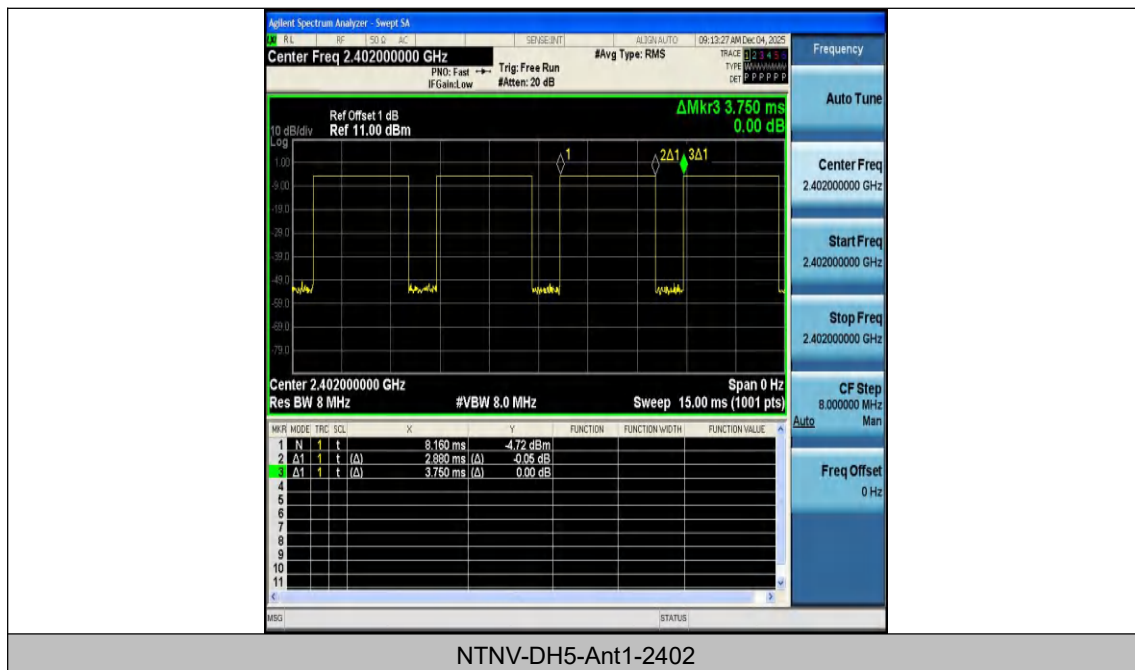
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

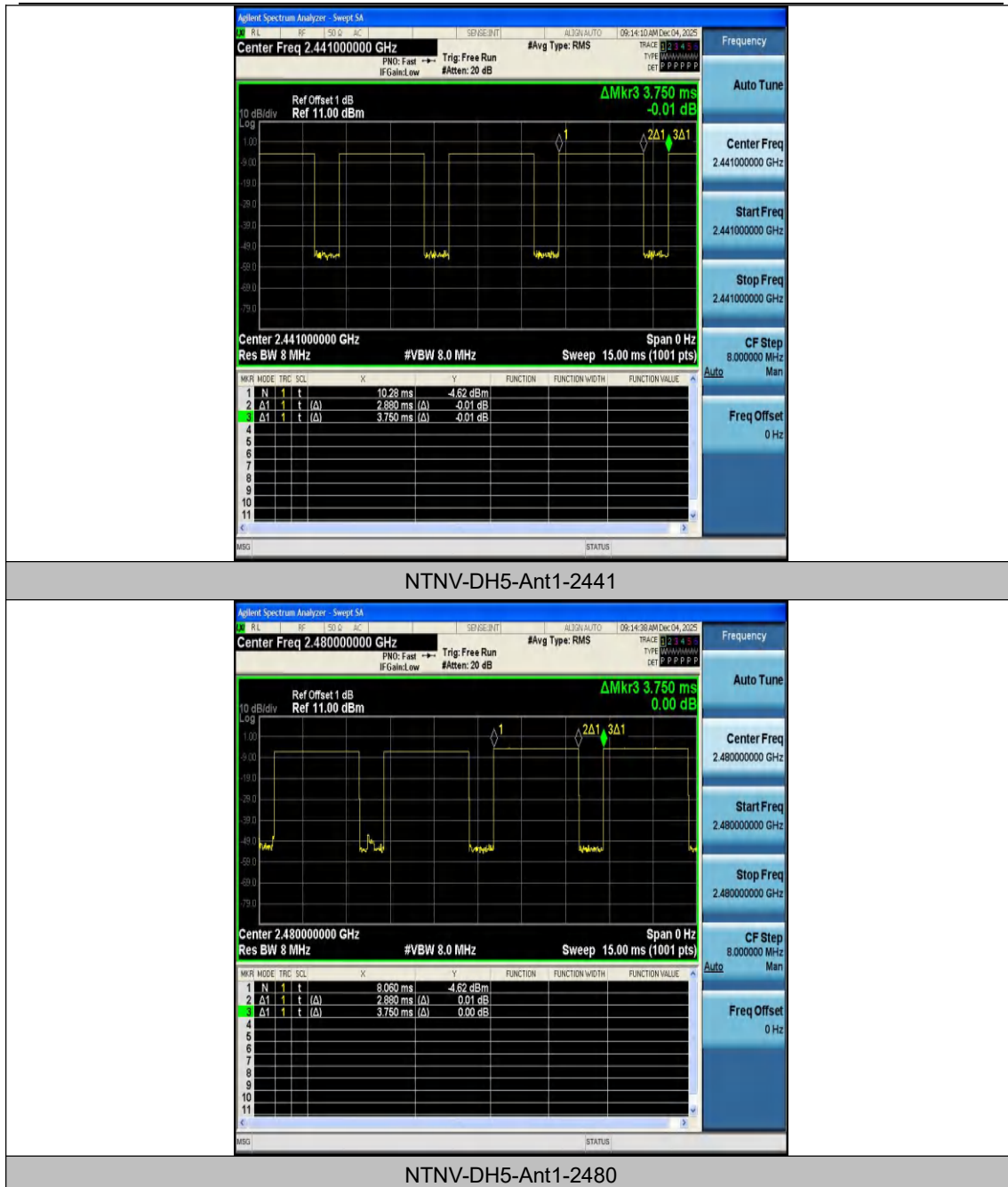
Appendix I: Duty Cycle

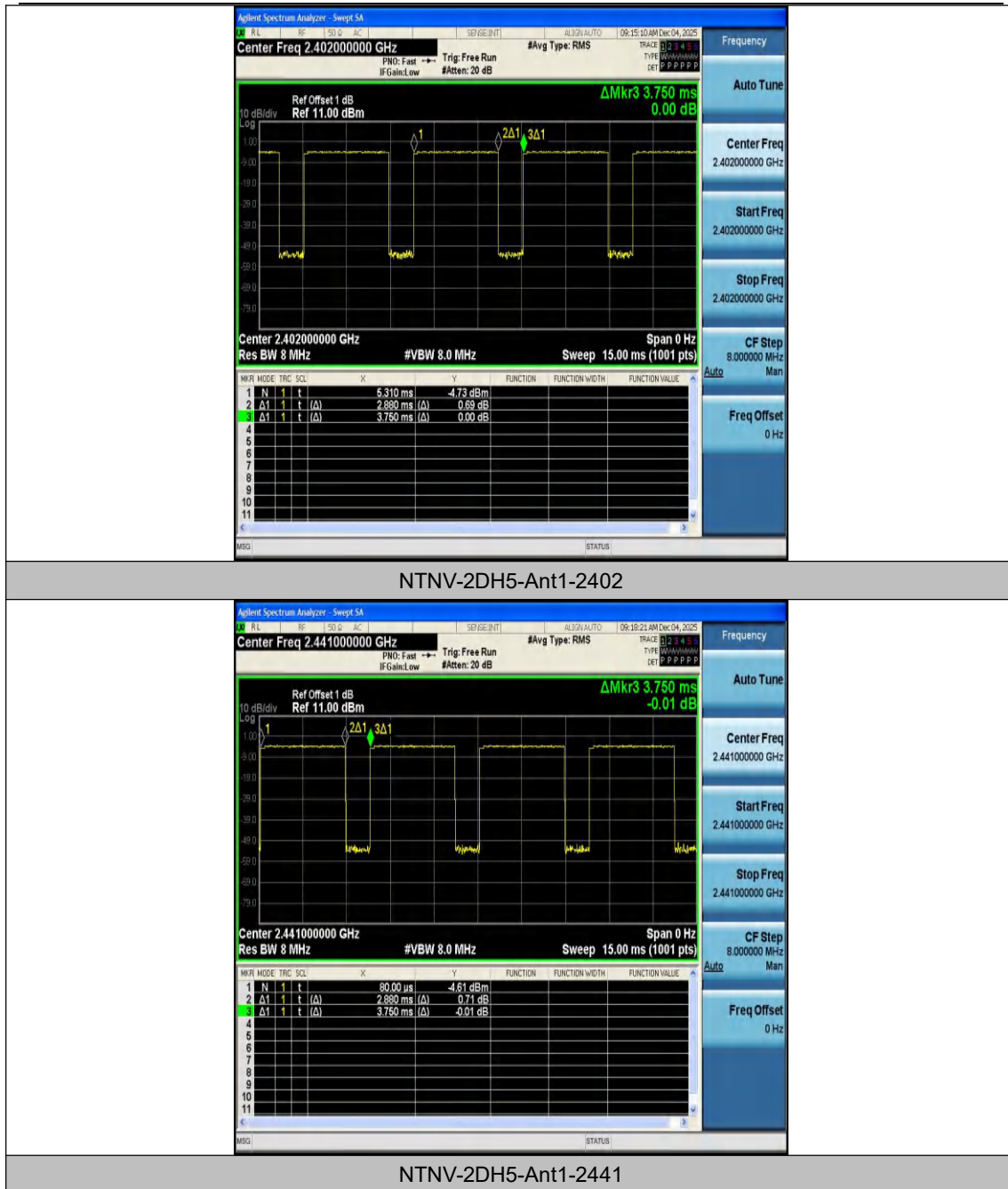
Test Result

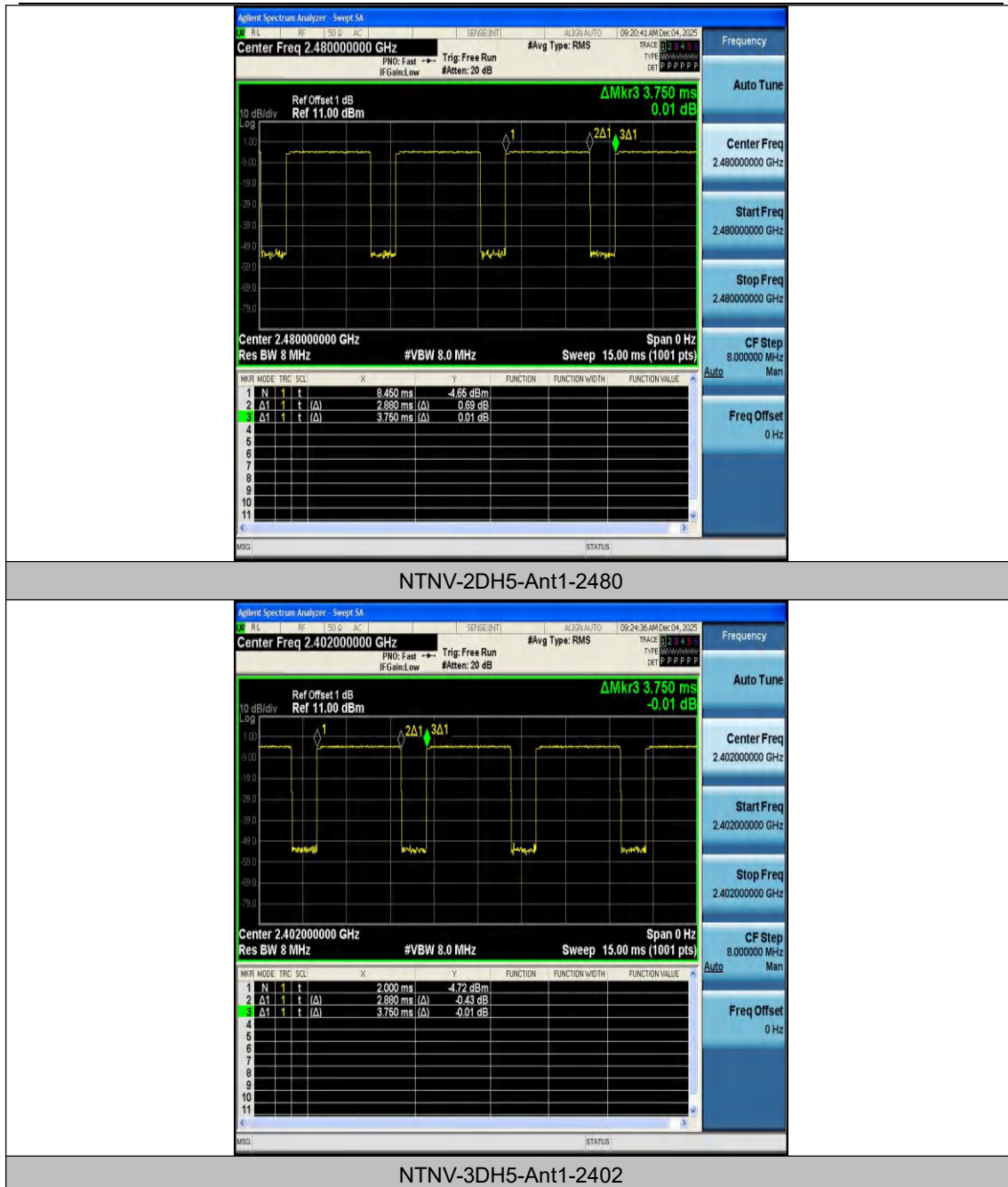
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

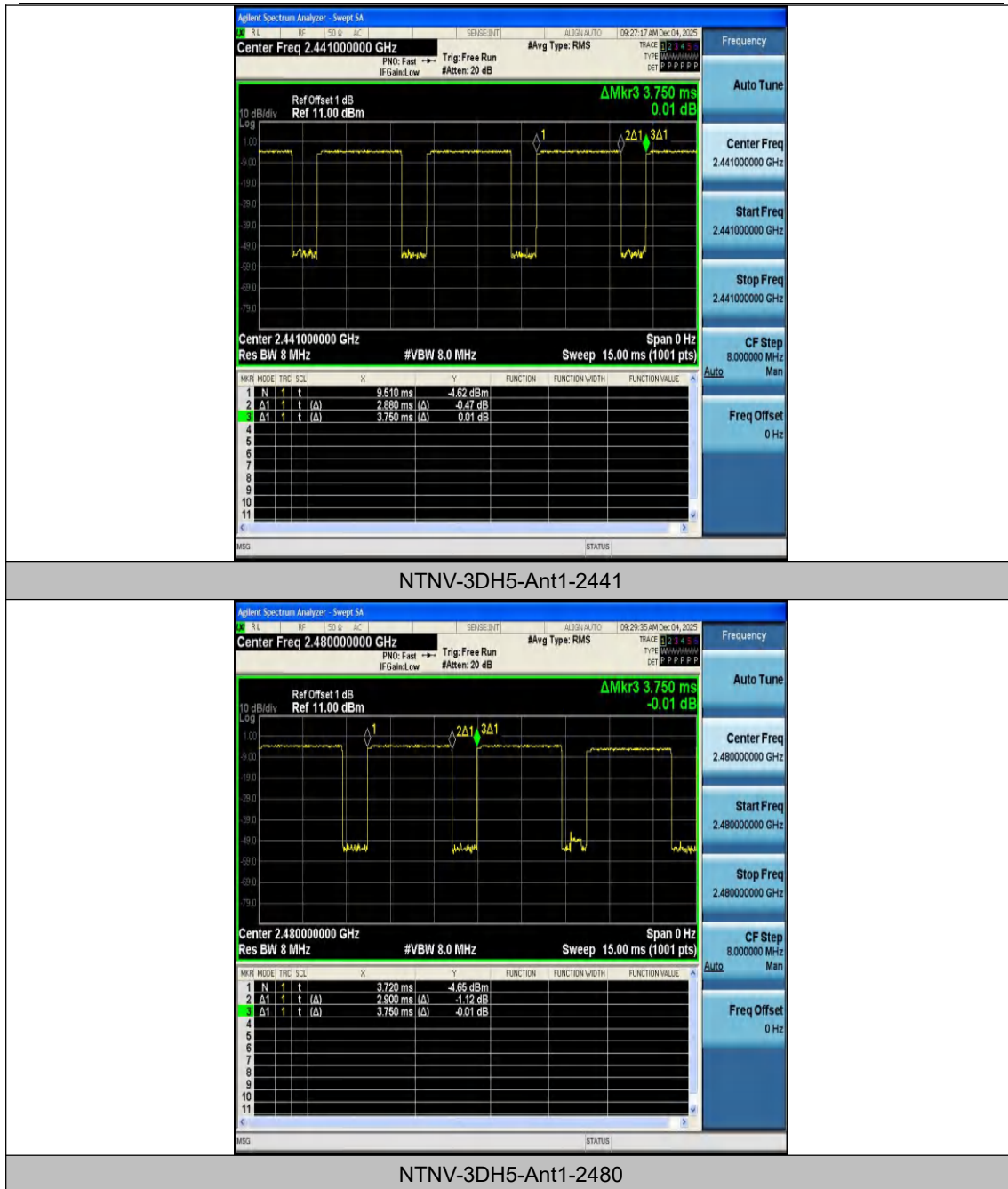
Test Graphs











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