

Appendix Test Data

Report No.:	1812C50618312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-8	Finish Test Date:	2025-12-8
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	44%
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	0.825	2401.565	2402.390	---	---
DH5	Ant1	2441	0.825	2440.568	2441.393	---	---
DH5	Ant1	2480	0.828	2479.556	2480.384	---	---
2DH5	Ant1	2402	1.107	2401.424	2402.531	---	---
2DH5	Ant1	2441	1.113	2440.424	2441.537	---	---
2DH5	Ant1	2480	1.113	2479.424	2480.537	---	---
3DH5	Ant1	2402	1.110	2401.430	2402.540	---	---
3DH5	Ant1	2441	1.119	2440.430	2441.549	---	---
3DH5	Ant1	2480	1.113	2479.430	2480.543	---	---

Test Graphs



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3DH5-Ant1-2480

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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	0.85017	2401.5646	2402.4148	---	---
DH5	Ant1	2441	0.88761	2440.5520	2441.4396	---	---
DH5	Ant1	2480	0.79063	2479.6026	2480.3933	---	---
2DH5	Ant1	2402	1.0249	2401.4597	2402.4846	---	---
2DH5	Ant1	2441	1.0553	2440.4555	2441.5108	---	---
2DH5	Ant1	2480	1.0619	2479.4515	2480.5134	---	---
3DH5	Ant1	2402	1.0551	2401.4630	2402.5181	---	---
3DH5	Ant1	2441	1.0665	2440.4591	2441.5256	---	---
3DH5	Ant1	2480	1.0489	2479.4631	2480.5120	---	---

Test Graphs



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3DH5-Ant1-2480

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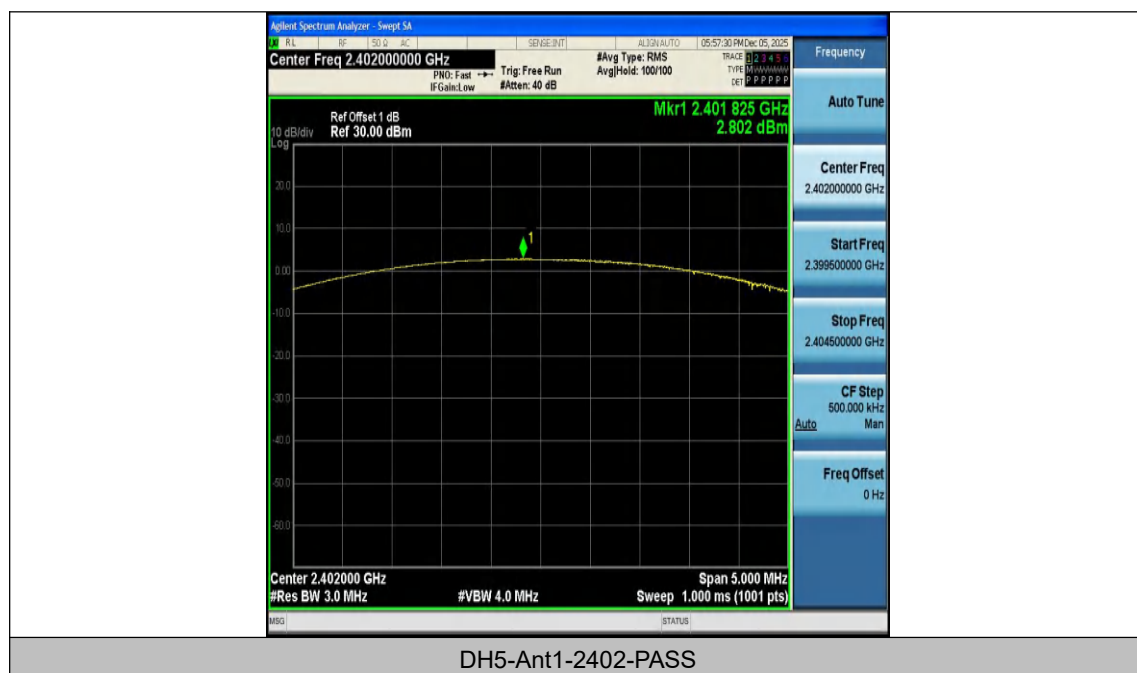
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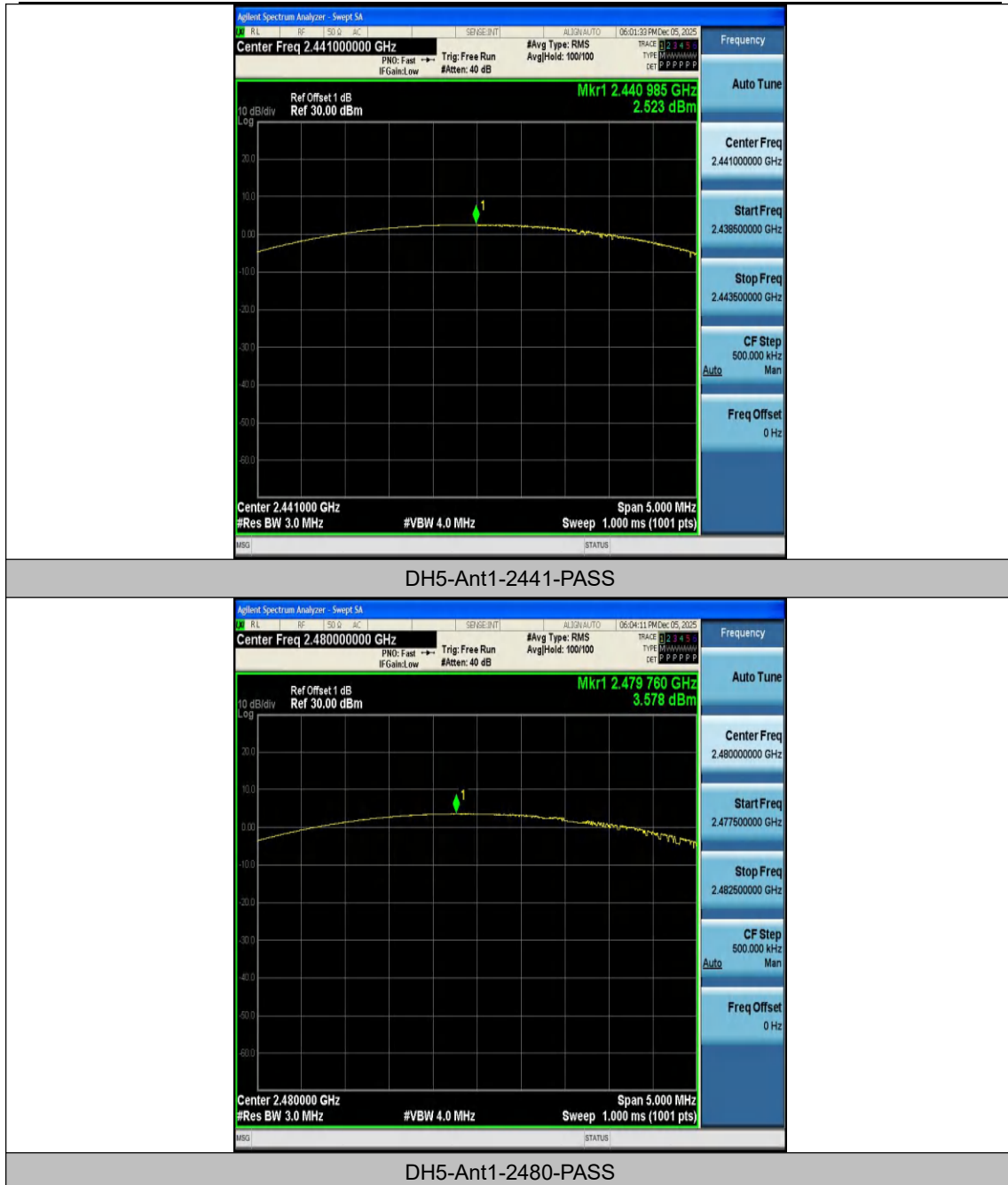
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.80	≤20.97	PASS
DH5	Ant1	2441	2.52	≤20.97	PASS
DH5	Ant1	2480	3.58	≤20.97	PASS
2DH5	Ant1	2402	1.78	≤20.97	PASS
2DH5	Ant1	2441	1.69	≤20.97	PASS
2DH5	Ant1	2480	2.75	≤20.97	PASS
3DH5	Ant1	2402	1.84	≤20.97	PASS
3DH5	Ant1	2441	1.67	≤20.97	PASS
3DH5	Ant1	2480	2.74	≤20.97	PASS

Test Graphs

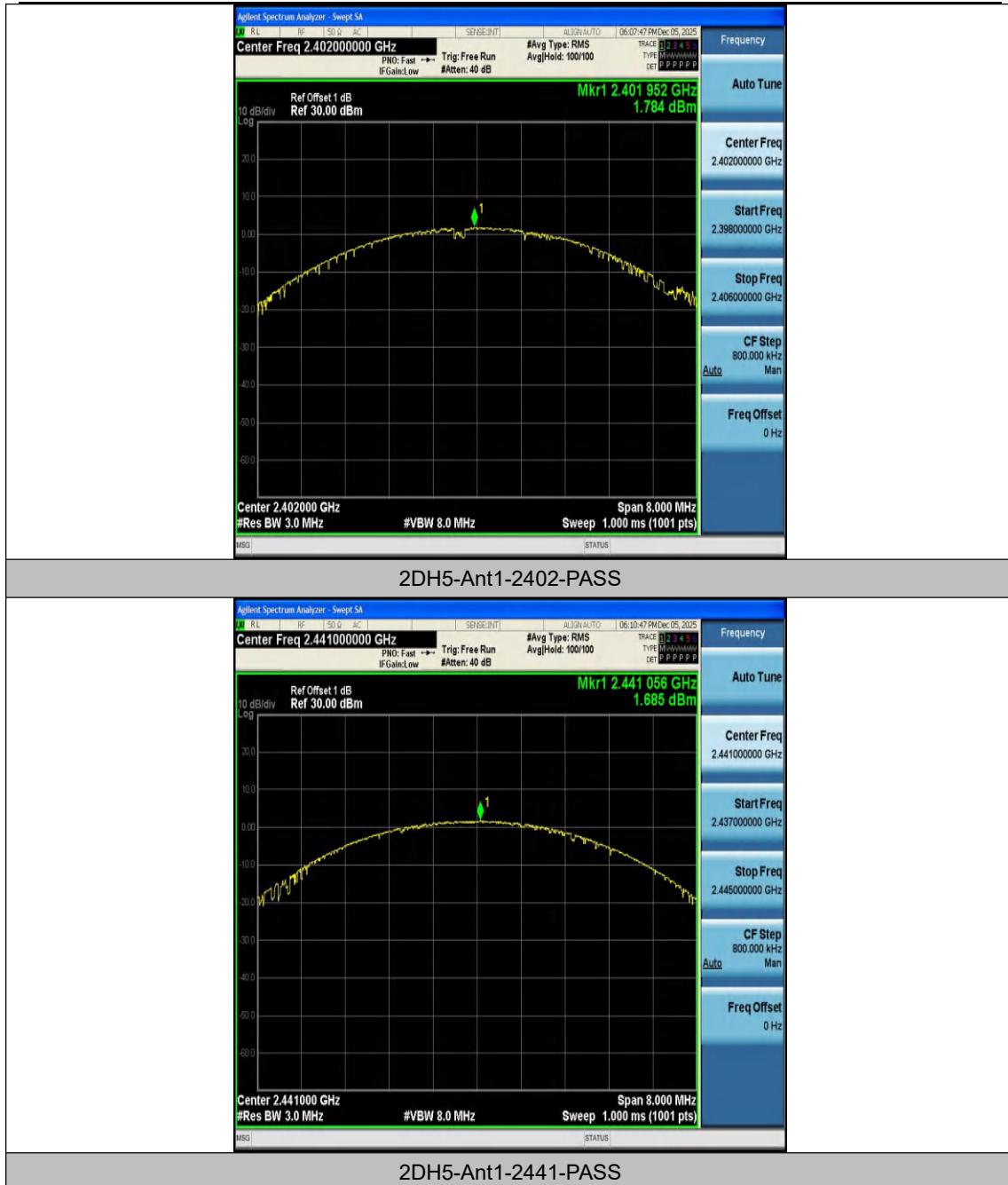




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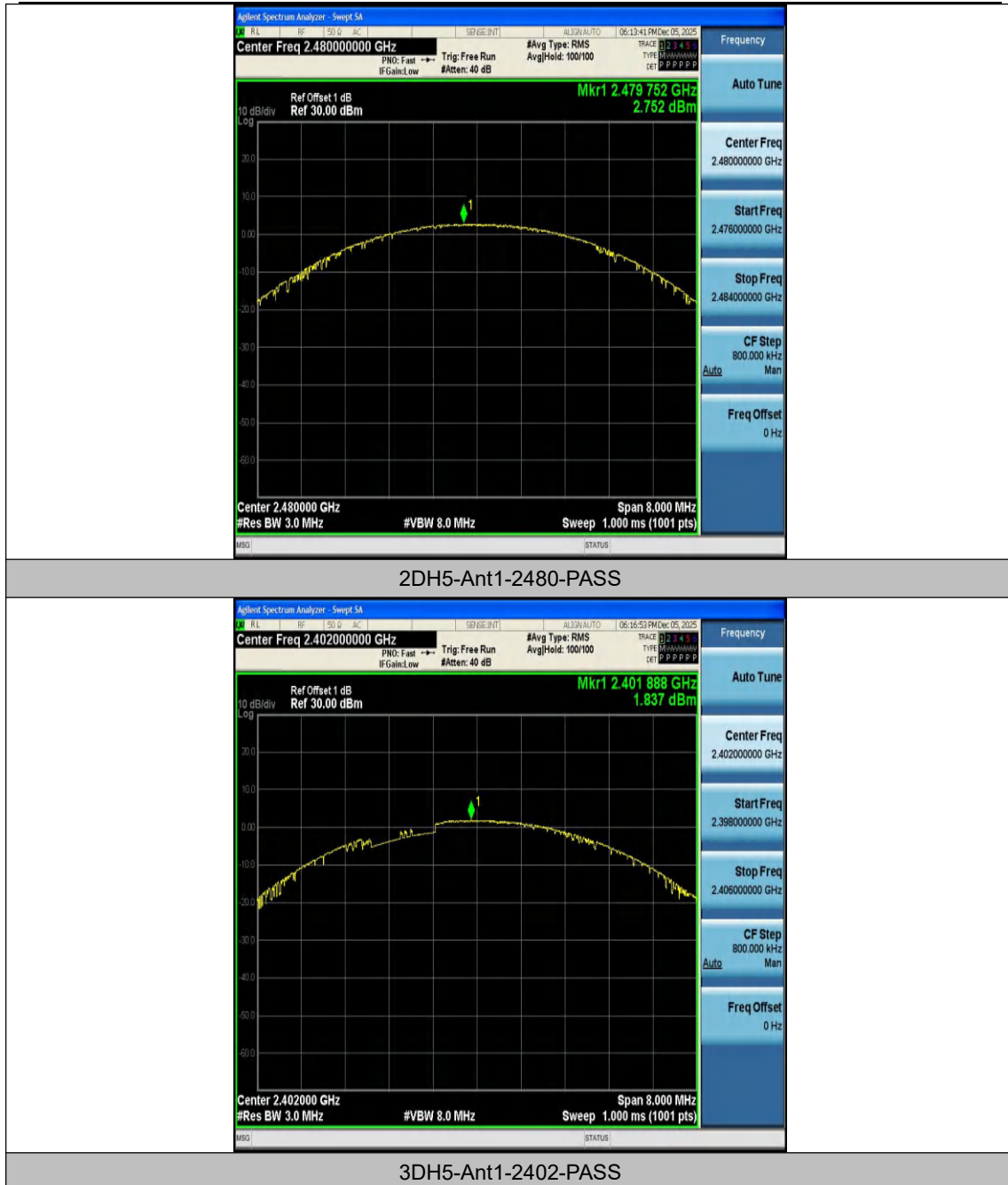
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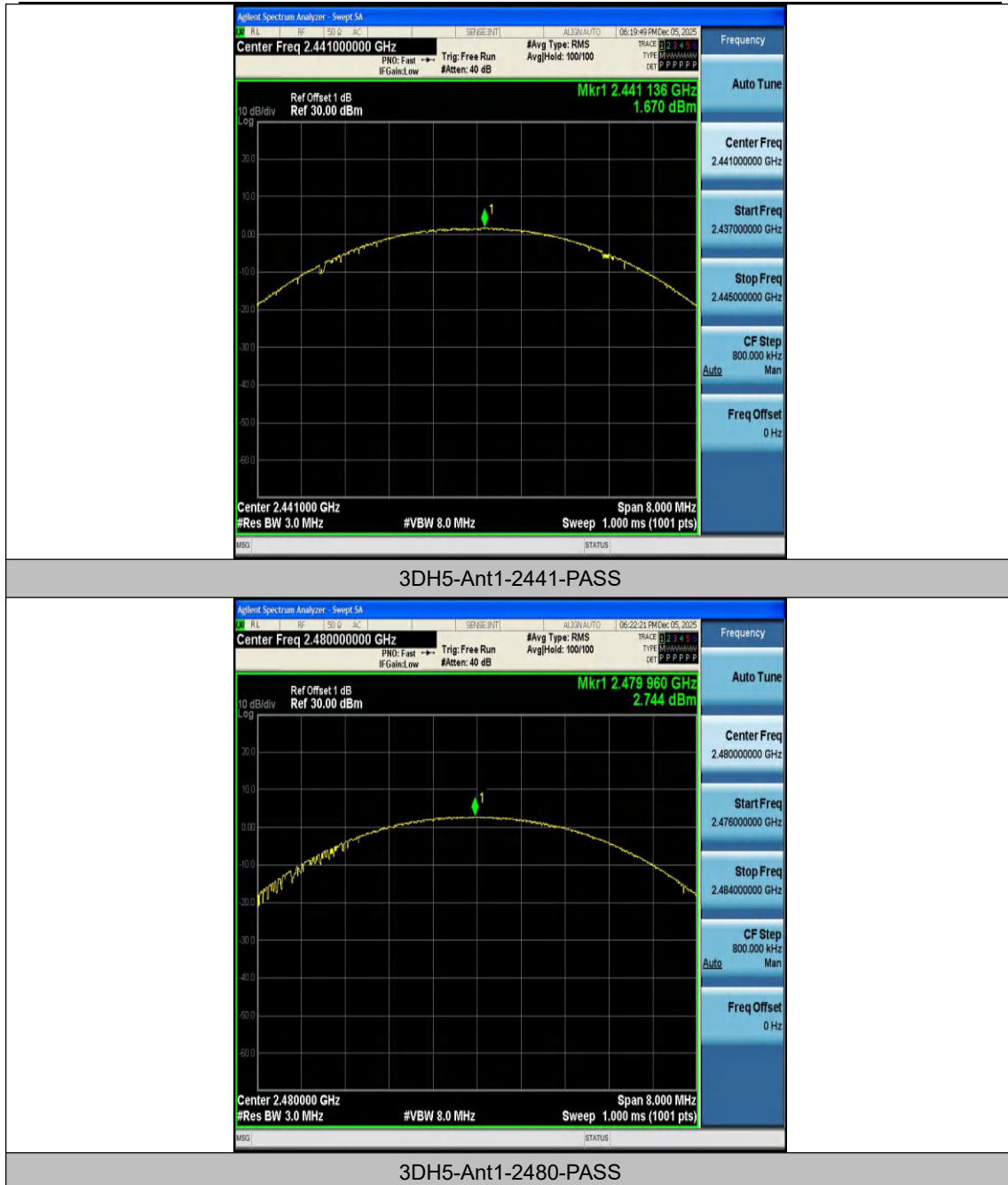
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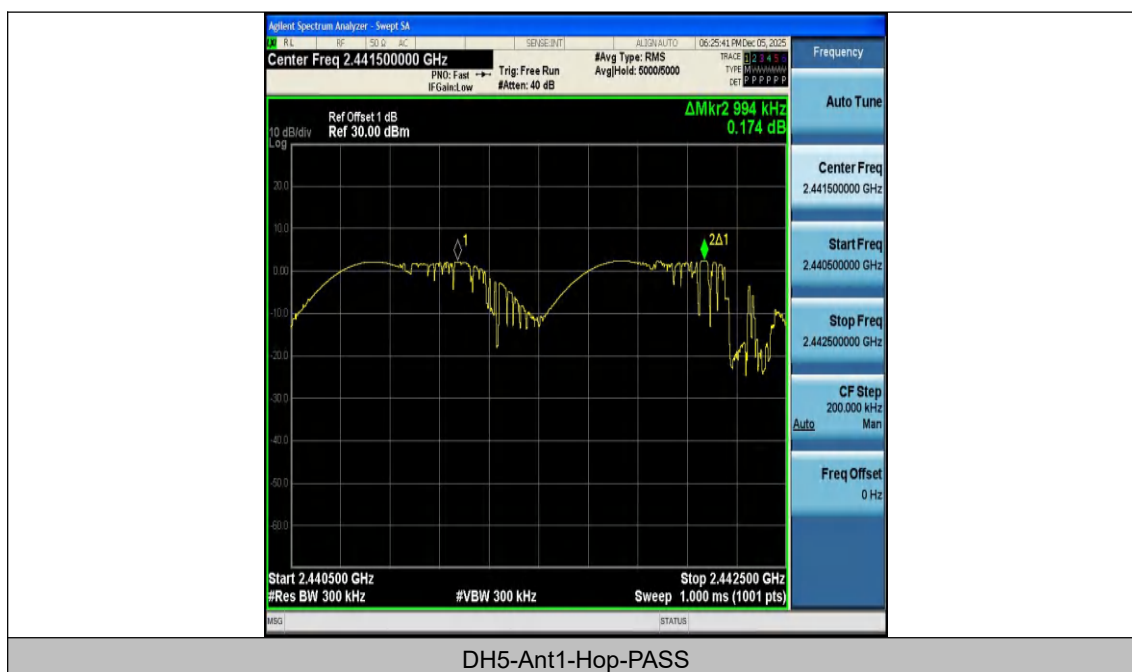
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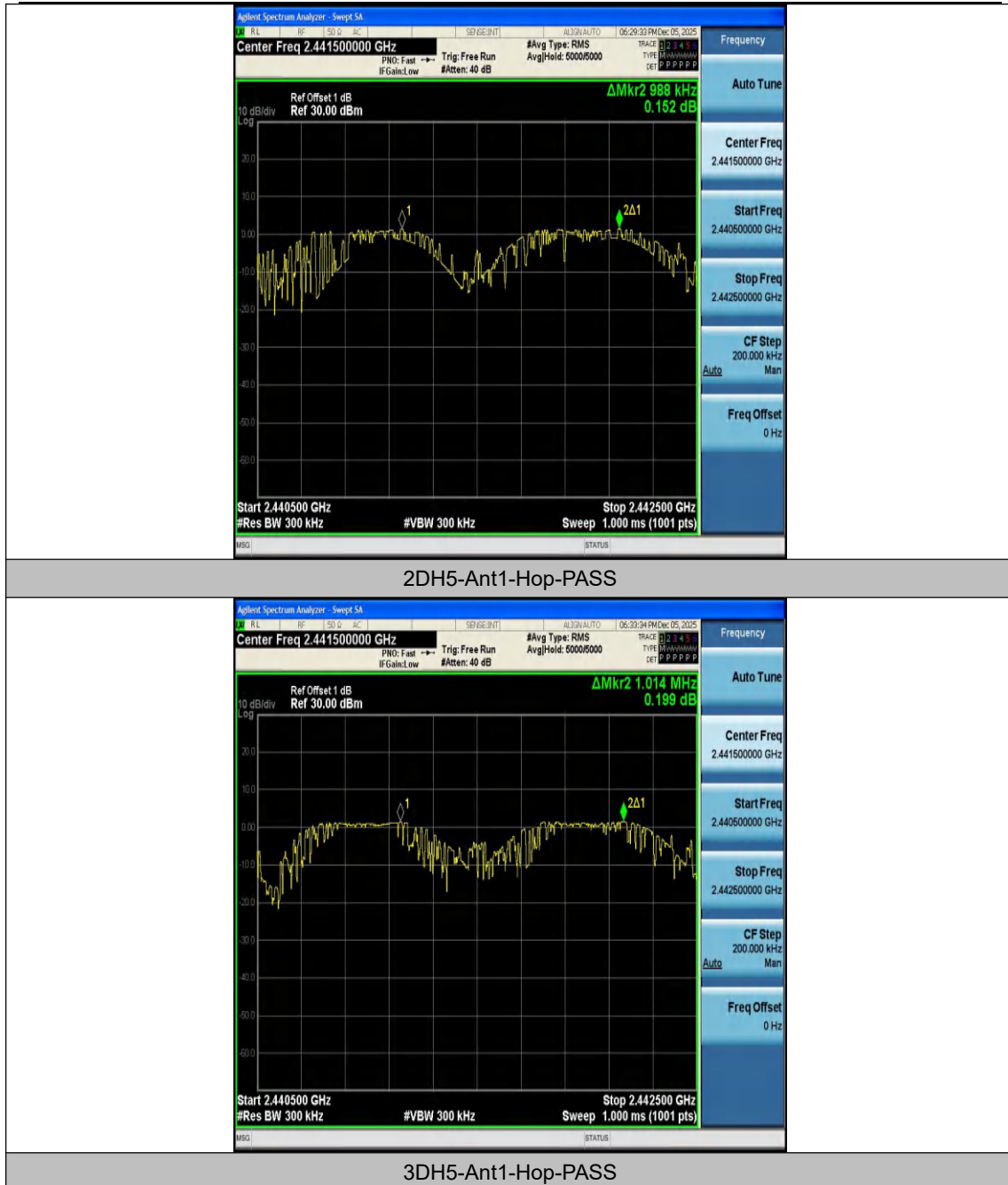
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.552	PASS
2DH5	Ant1	Hop	0.988	≥ 0.742	PASS
3DH5	Ant1	Hop	1.014	≥ 0.746	PASS

Test Graphs





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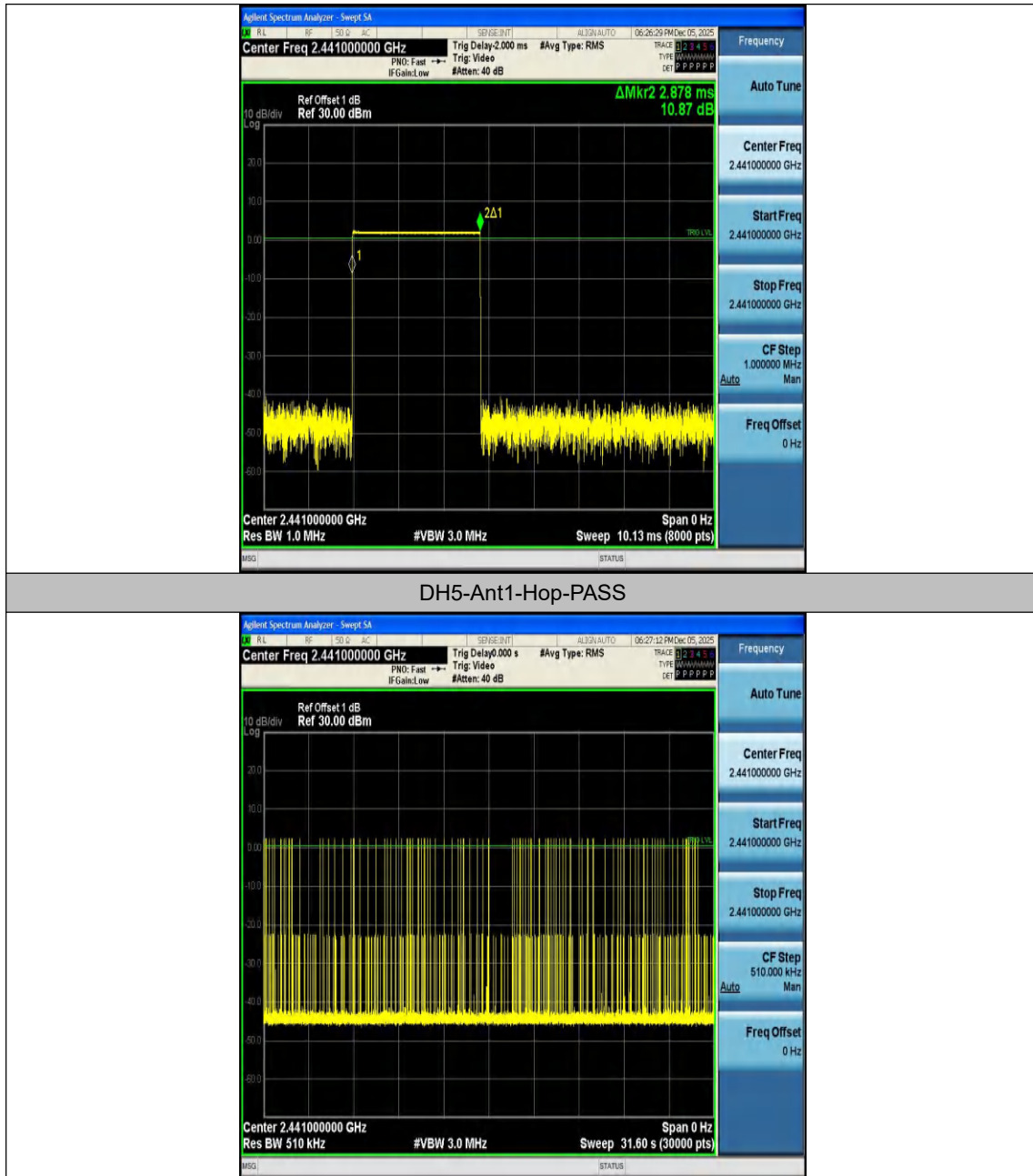
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	111	0.319	≤0.4	PASS
2DH5	Ant1	Hop	2.882	112	0.323	≤0.4	PASS
3DH5	Ant1	Hop	2.883	91	0.262	≤0.4	PASS

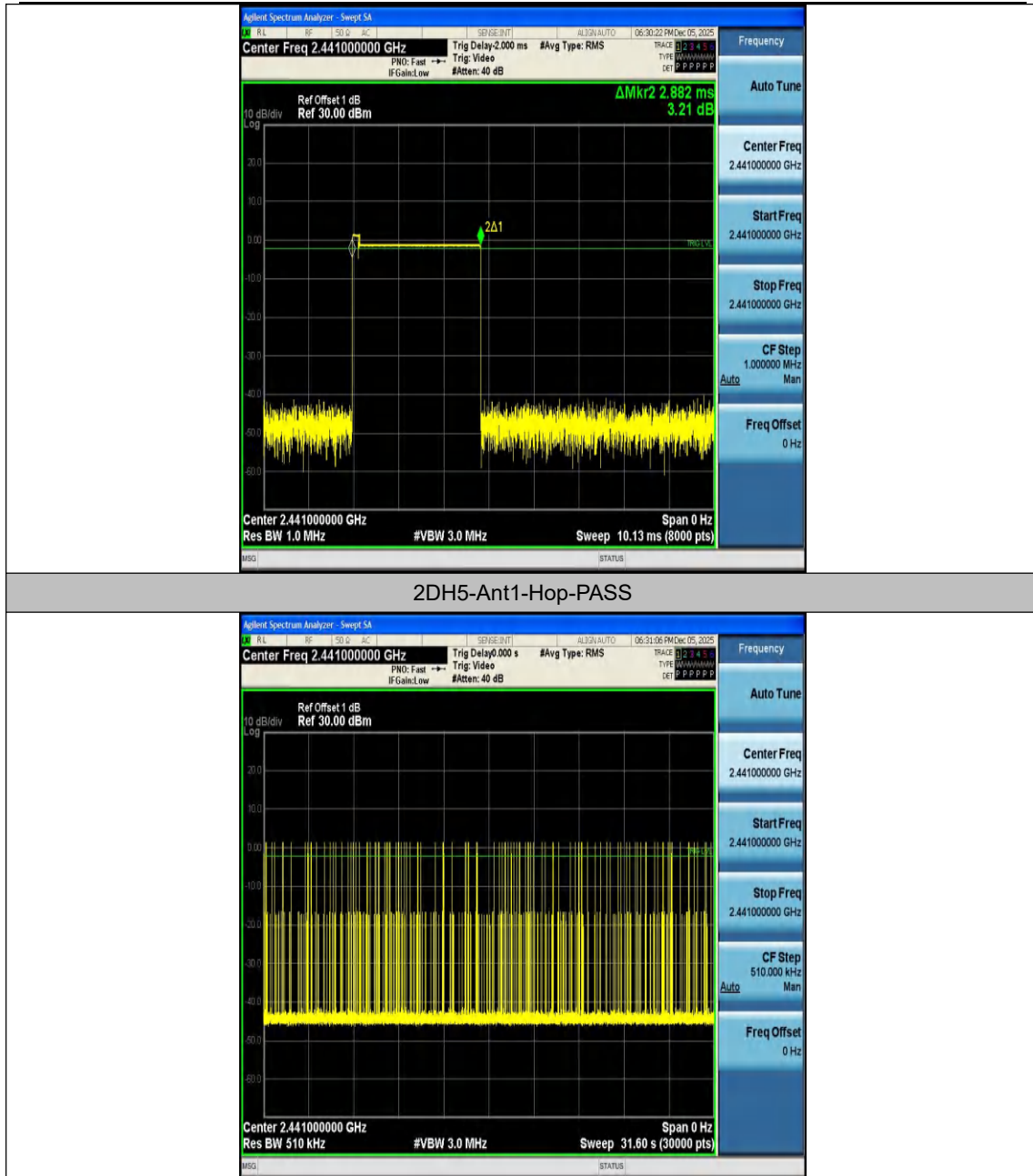
Test Graphs



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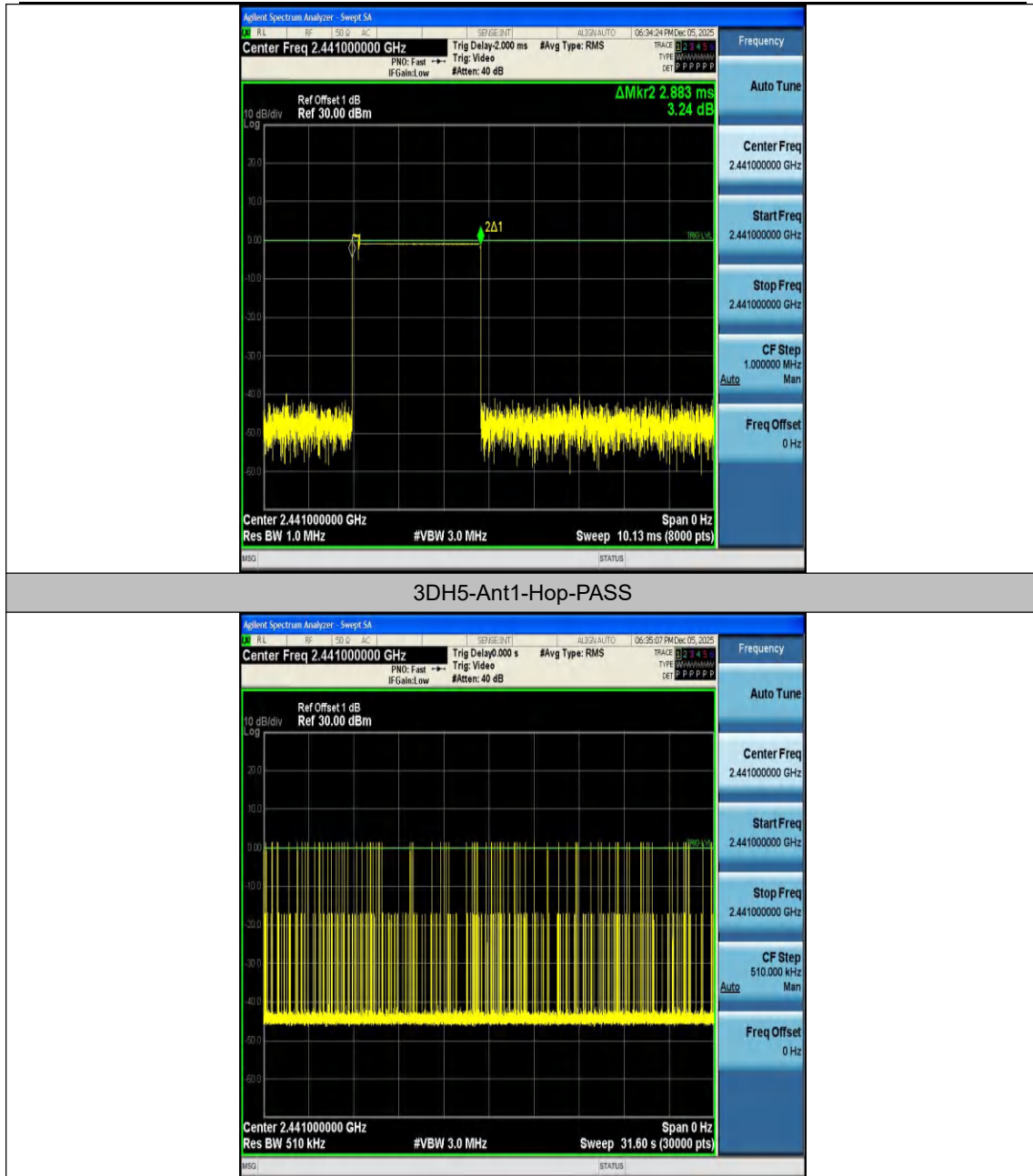
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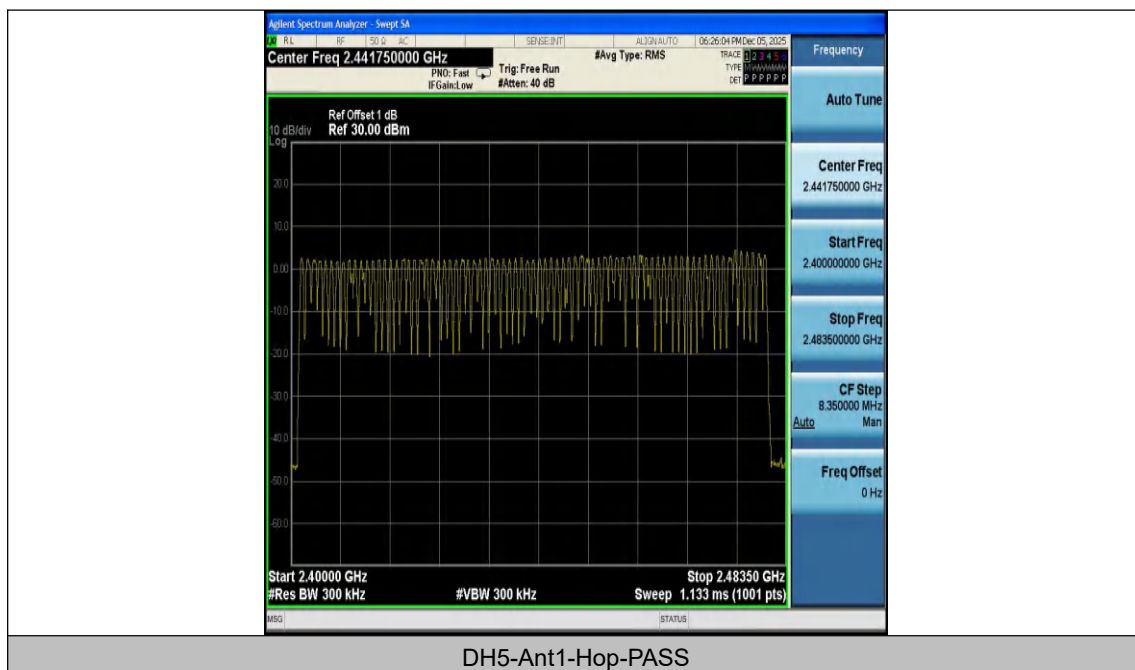
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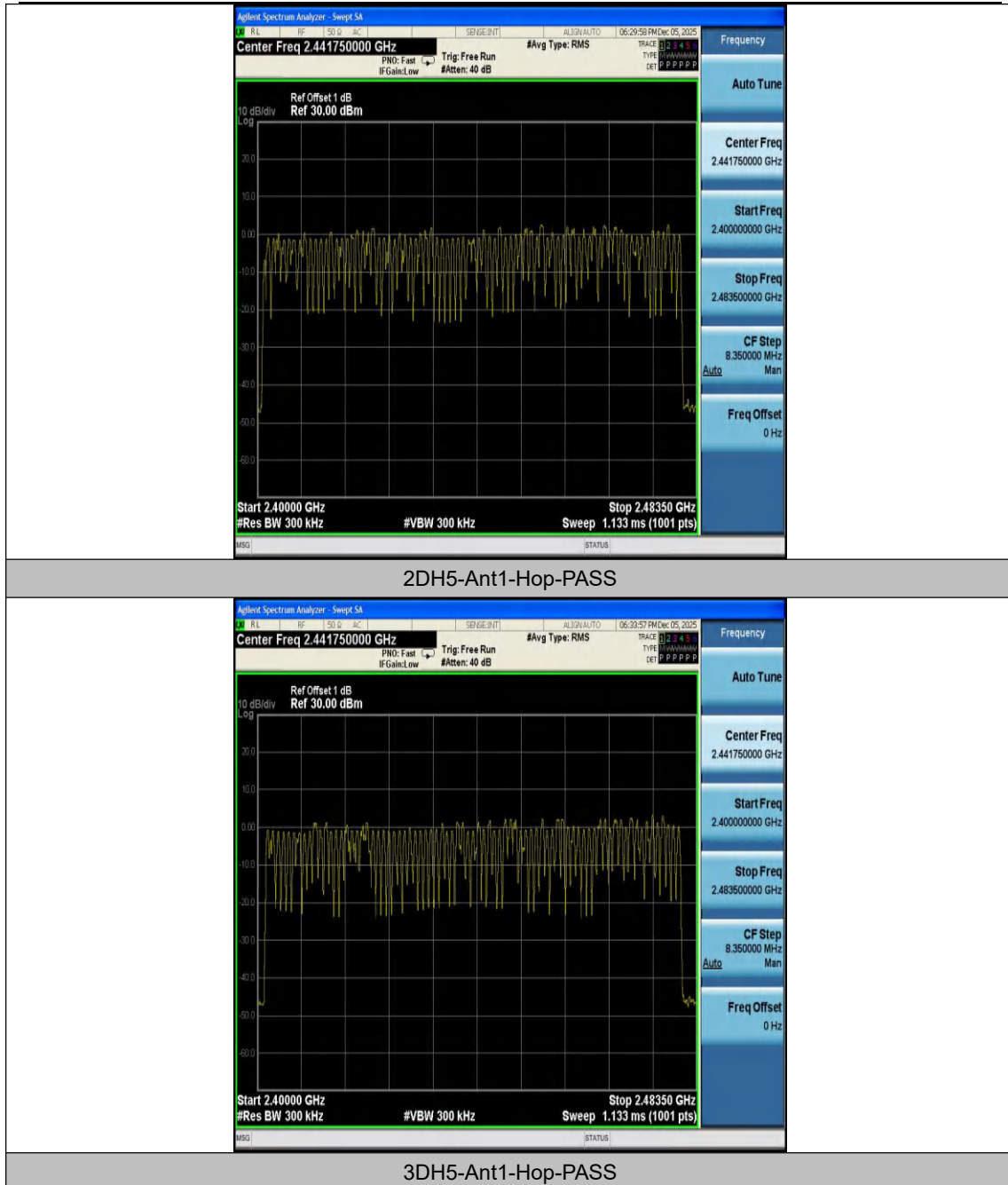
Appendix F: Number of Hopping Channel

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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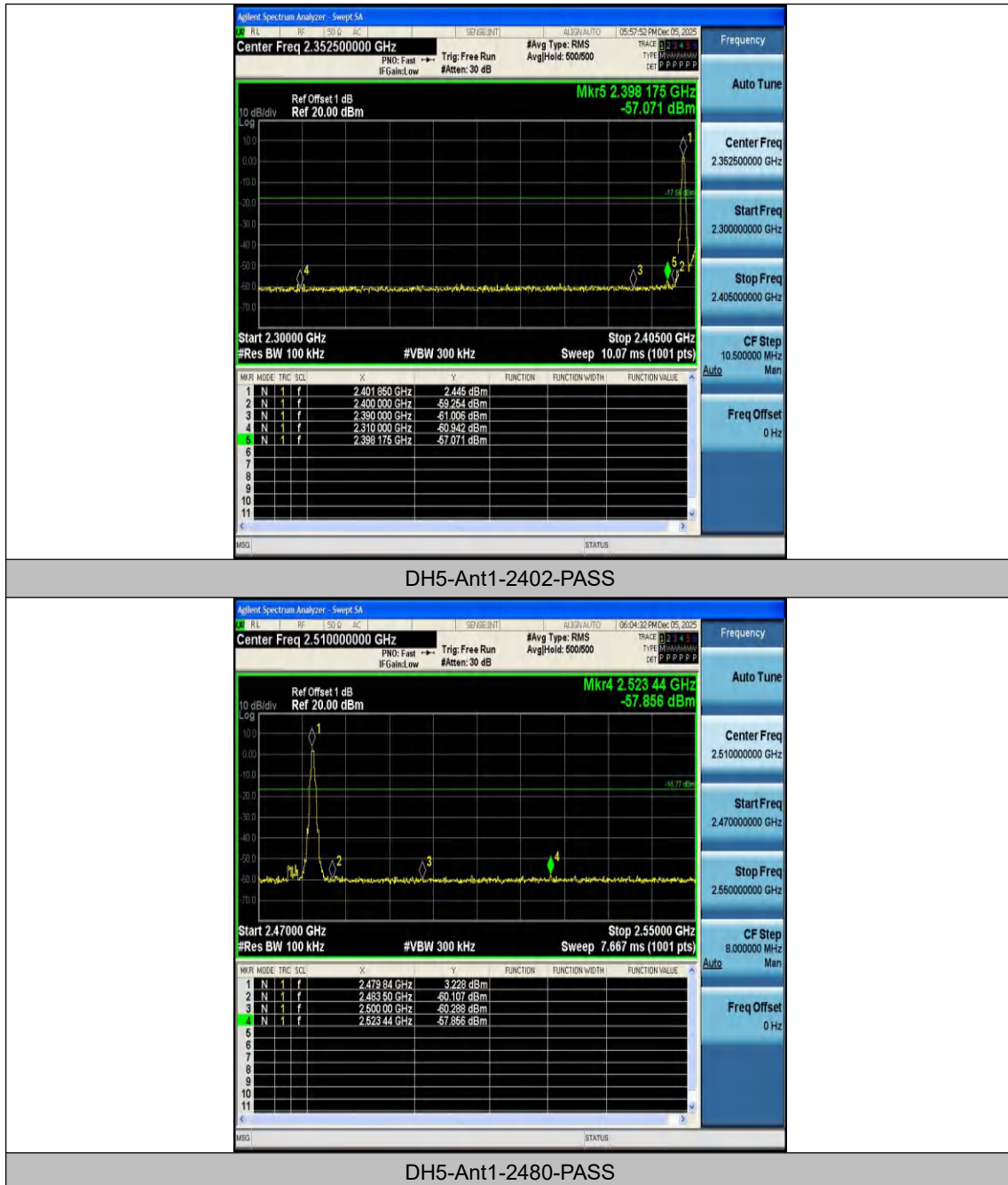
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.45	-57.07	≤-17.56	PASS
DH5	Ant1	High	2480	3.23	-57.86	≤-16.77	PASS
DH5	Ant1	Low	Hop_2402	2.43	-58.63	≤-17.57	PASS
DH5	Ant1	High	Hop_2480	4.34	-57.02	≤-15.66	PASS
2DH5	Ant1	Low	2402	1.39	-58.7	≤-18.61	PASS
2DH5	Ant1	High	2480	2.10	-57.08	≤-17.9	PASS
2DH5	Ant1	Low	Hop_2402	-1.06	-57.79	≤-21.06	PASS
2DH5	Ant1	High	Hop_2480	1.68	-54.59	≤-18.32	PASS
3DH5	Ant1	Low	2402	1.29	-58.02	≤-18.71	PASS
3DH5	Ant1	High	2480	2.33	-57.64	≤-17.67	PASS
3DH5	Ant1	Low	Hop_2402	-0.34	-58.39	≤-20.34	PASS
3DH5	Ant1	High	Hop_2480	3.47	-52.49	≤-16.53	PASS

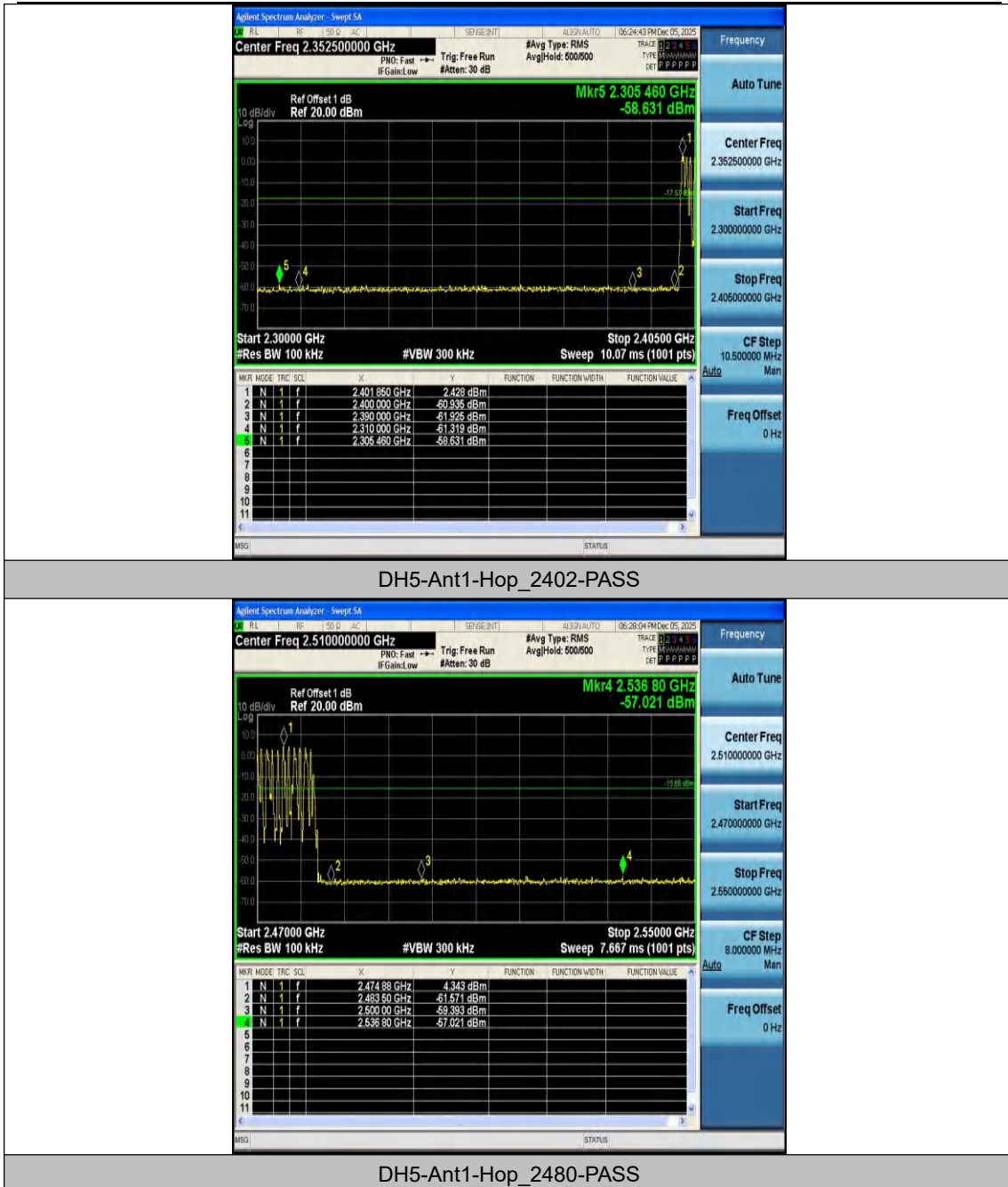
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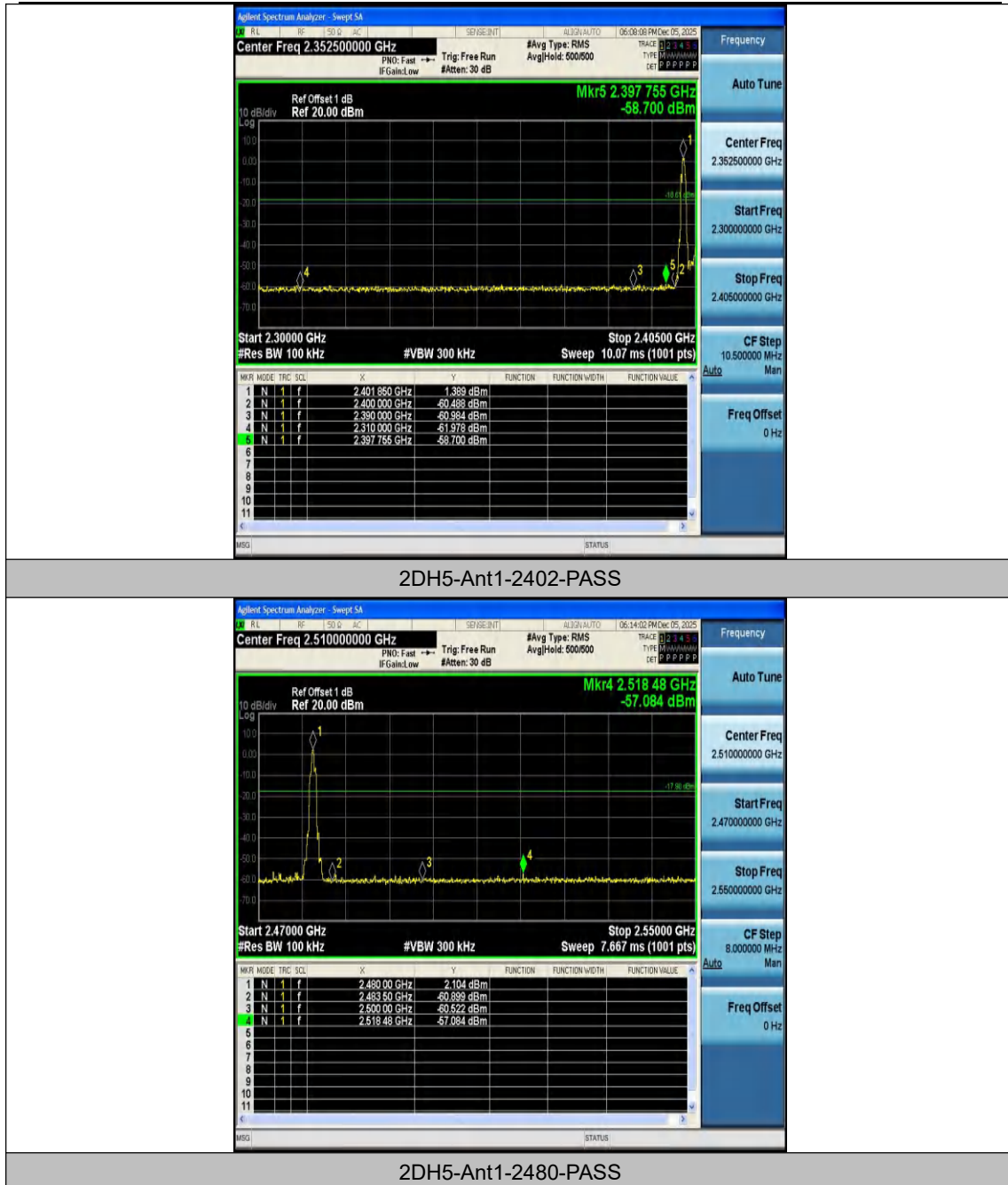


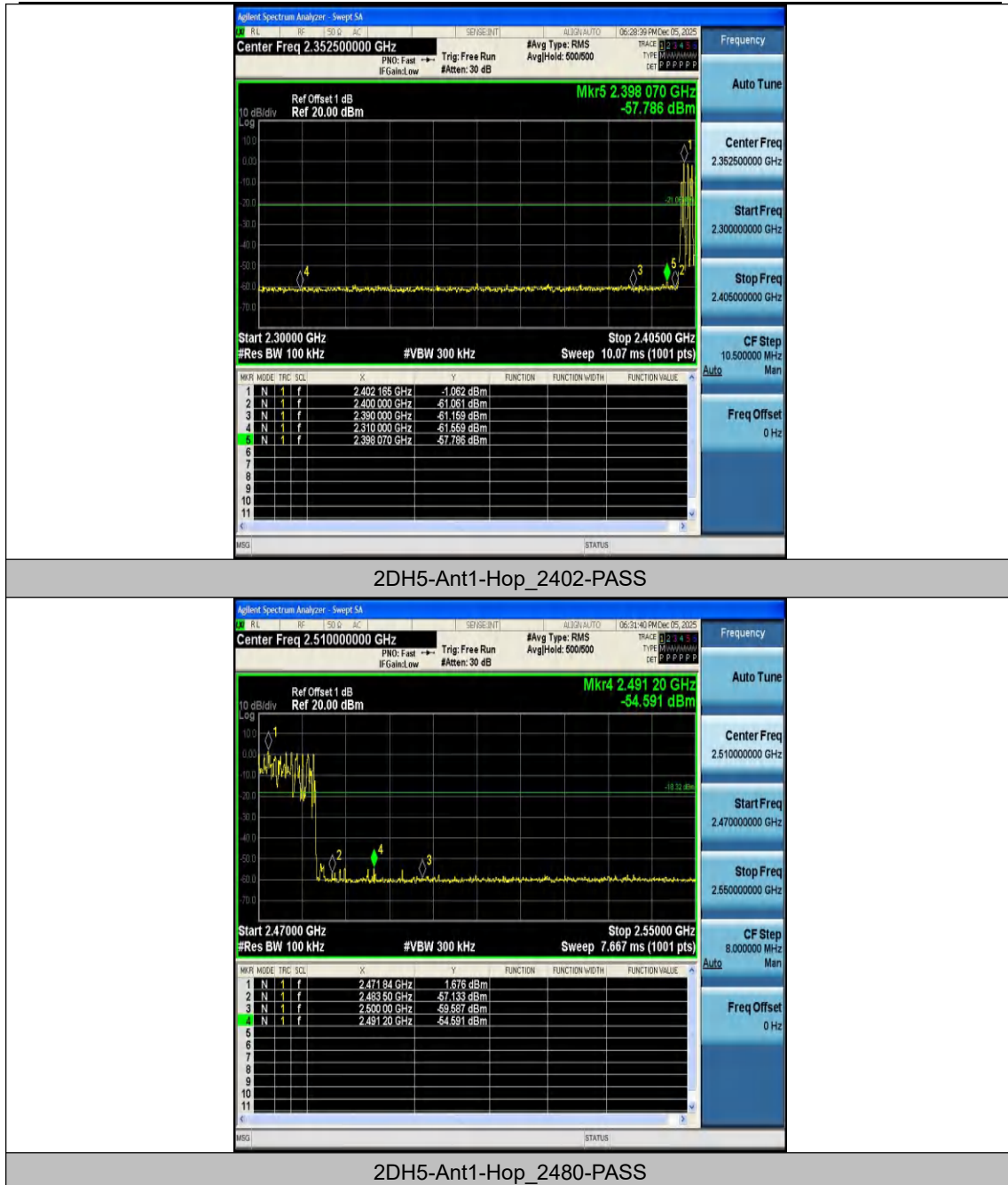
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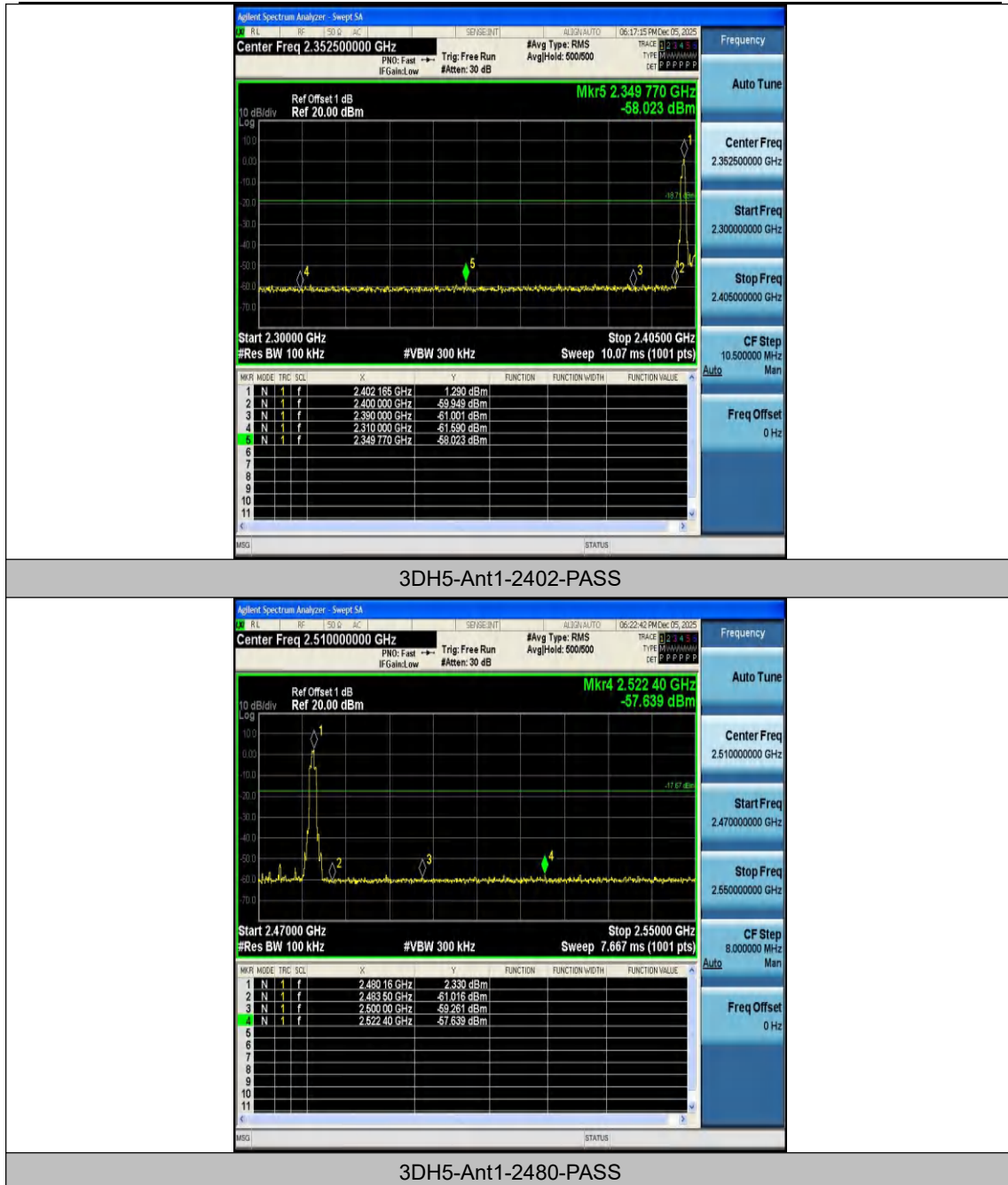
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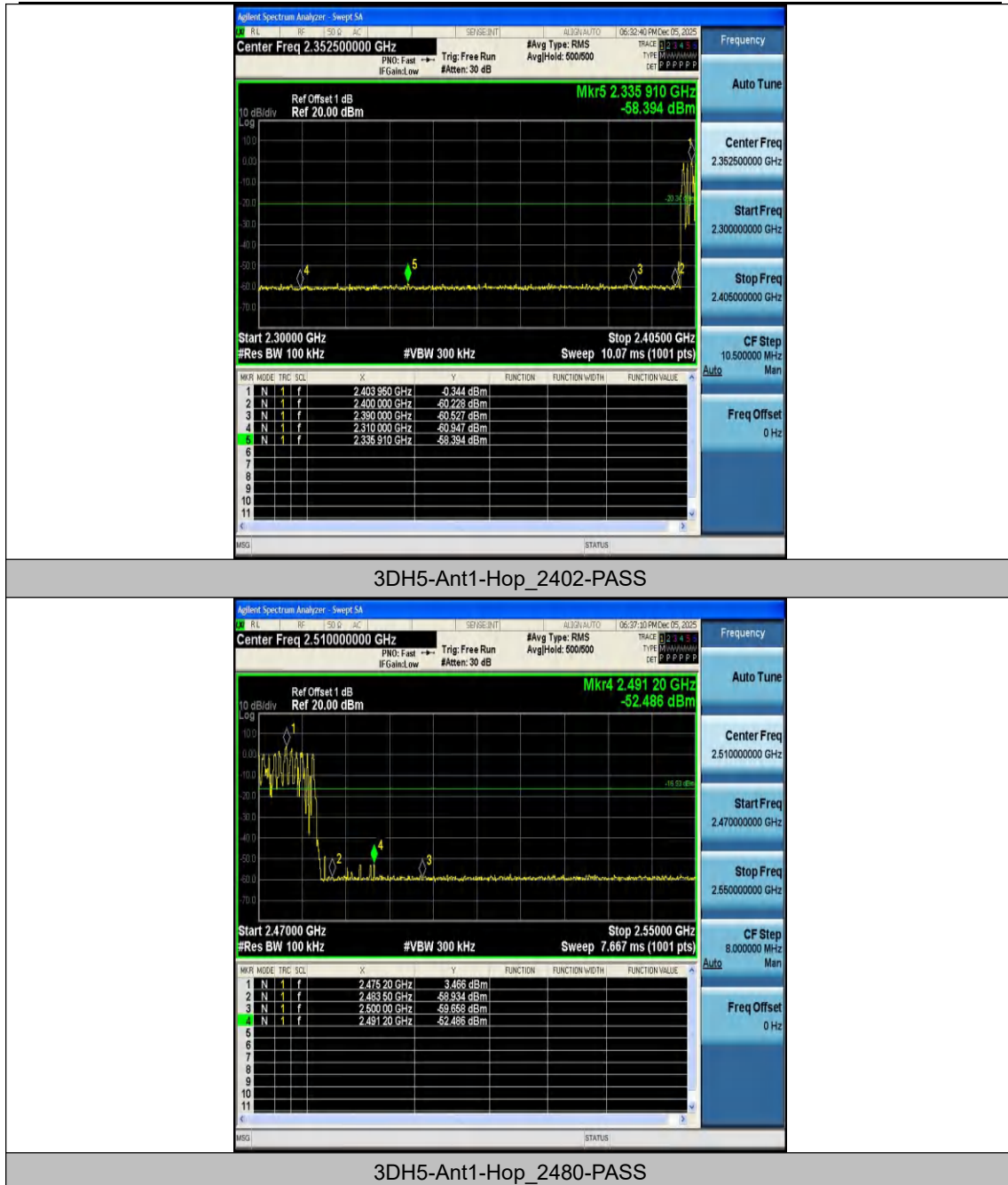
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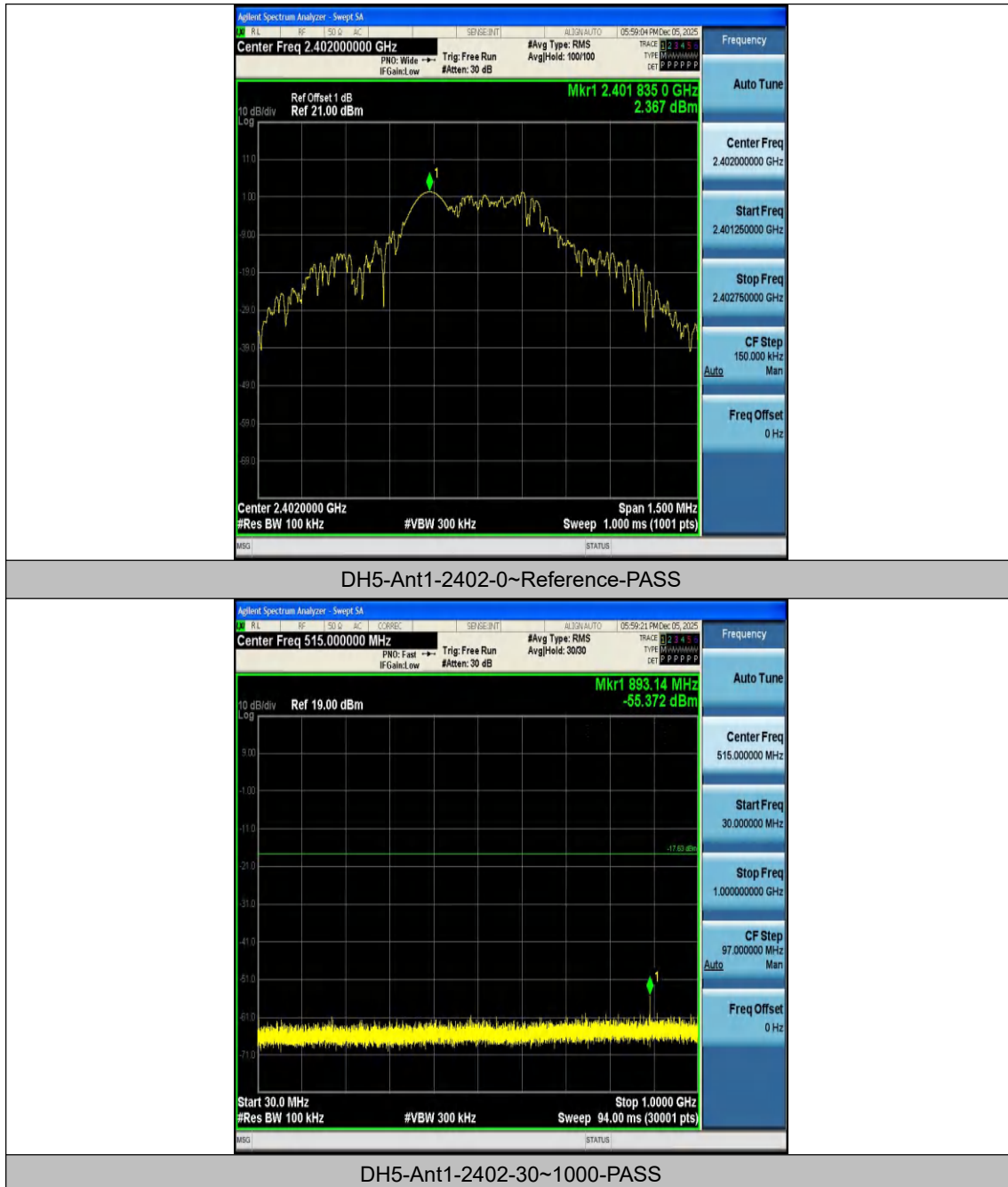
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.37	2.37	---	PASS
DH5	Ant1	2402	30~1000	2.37	-55.37	≤-17.63	PASS
DH5	Ant1	2402	1000~26500	2.37	-45.9	≤-17.63	PASS
DH5	Ant1	2441	0~Reference	2.09	2.09	---	PASS
DH5	Ant1	2441	30~1000	2.09	-59.5	≤-17.91	PASS
DH5	Ant1	2441	1000~26500	2.09	-46.09	≤-17.91	PASS
DH5	Ant1	2480	0~Reference	3.21	3.21	---	PASS
DH5	Ant1	2480	30~1000	3.21	-54.15	≤-16.79	PASS
DH5	Ant1	2480	1000~26500	3.21	-41.5	≤-16.79	PASS
2DH5	Ant1	2402	0~Reference	0.68	0.68	---	PASS
2DH5	Ant1	2402	30~1000	0.68	-52.78	≤-19.32	PASS
2DH5	Ant1	2402	1000~26500	0.68	-46.44	≤-19.32	PASS
2DH5	Ant1	2441	0~Reference	1.21	1.21	---	PASS
2DH5	Ant1	2441	30~1000	1.21	-60	≤-18.79	PASS
2DH5	Ant1	2441	1000~26500	1.21	-45.83	≤-18.79	PASS
2DH5	Ant1	2480	0~Reference	2.15	2.15	---	PASS
2DH5	Ant1	2480	30~1000	2.15	-59.07	≤-17.85	PASS
2DH5	Ant1	2480	1000~26500	2.15	-46.04	≤-17.85	PASS
3DH5	Ant1	2402	0~Reference	0.64	0.64	---	PASS
3DH5	Ant1	2402	30~1000	0.64	-59.65	≤-19.36	PASS
3DH5	Ant1	2402	1000~26500	0.64	-45.83	≤-19.36	PASS
3DH5	Ant1	2441	0~Reference	1.07	1.07	---	PASS
3DH5	Ant1	2441	30~1000	1.07	-59.78	≤-18.93	PASS
3DH5	Ant1	2441	1000~26500	1.07	-46	≤-18.93	PASS
3DH5	Ant1	2480	0~Reference	2.25	2.25	---	PASS
3DH5	Ant1	2480	30~1000	2.25	-59.53	≤-17.75	PASS
3DH5	Ant1	2480	1000~26500	2.25	-41.23	≤-17.75	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.

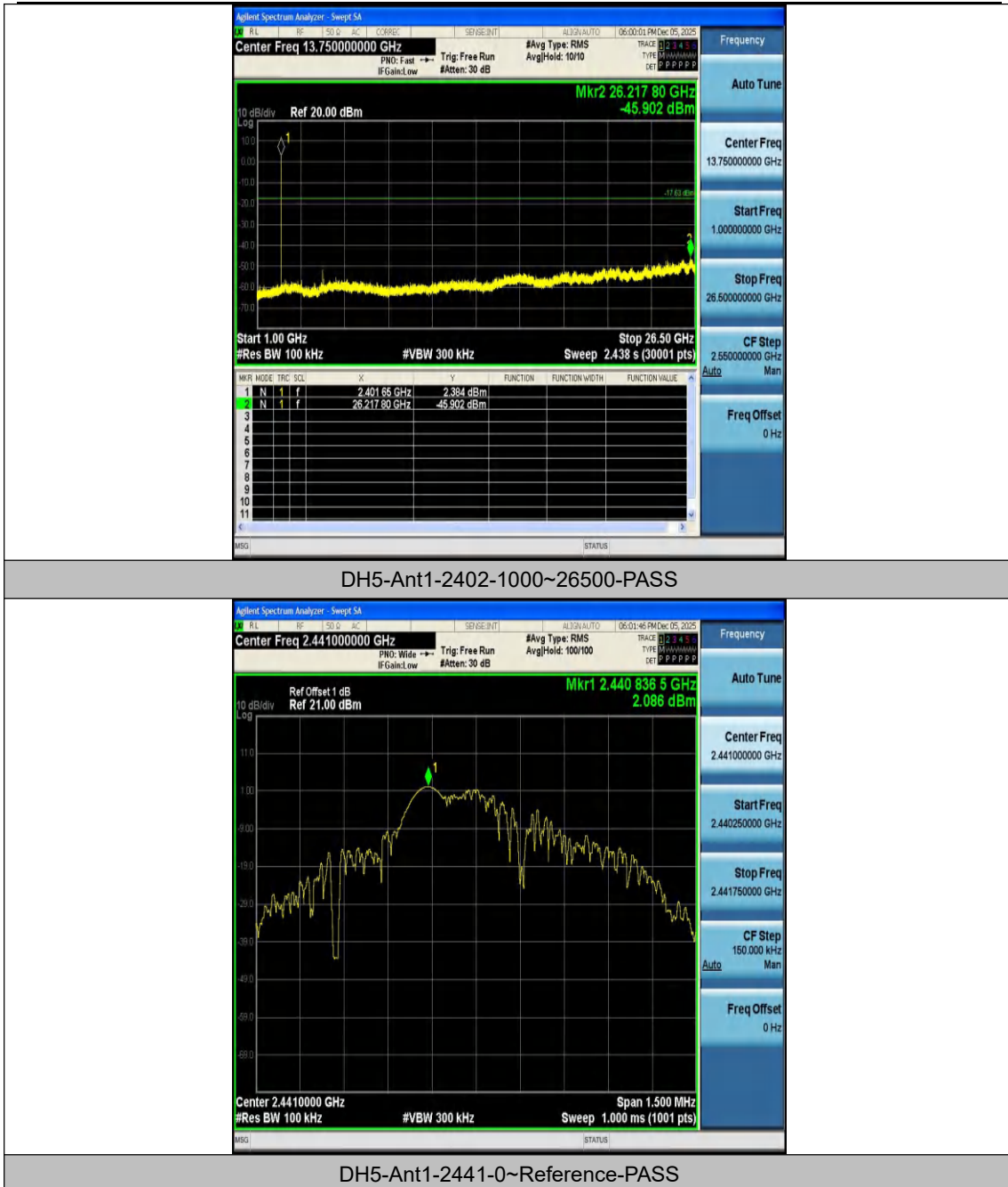
Test Graphs



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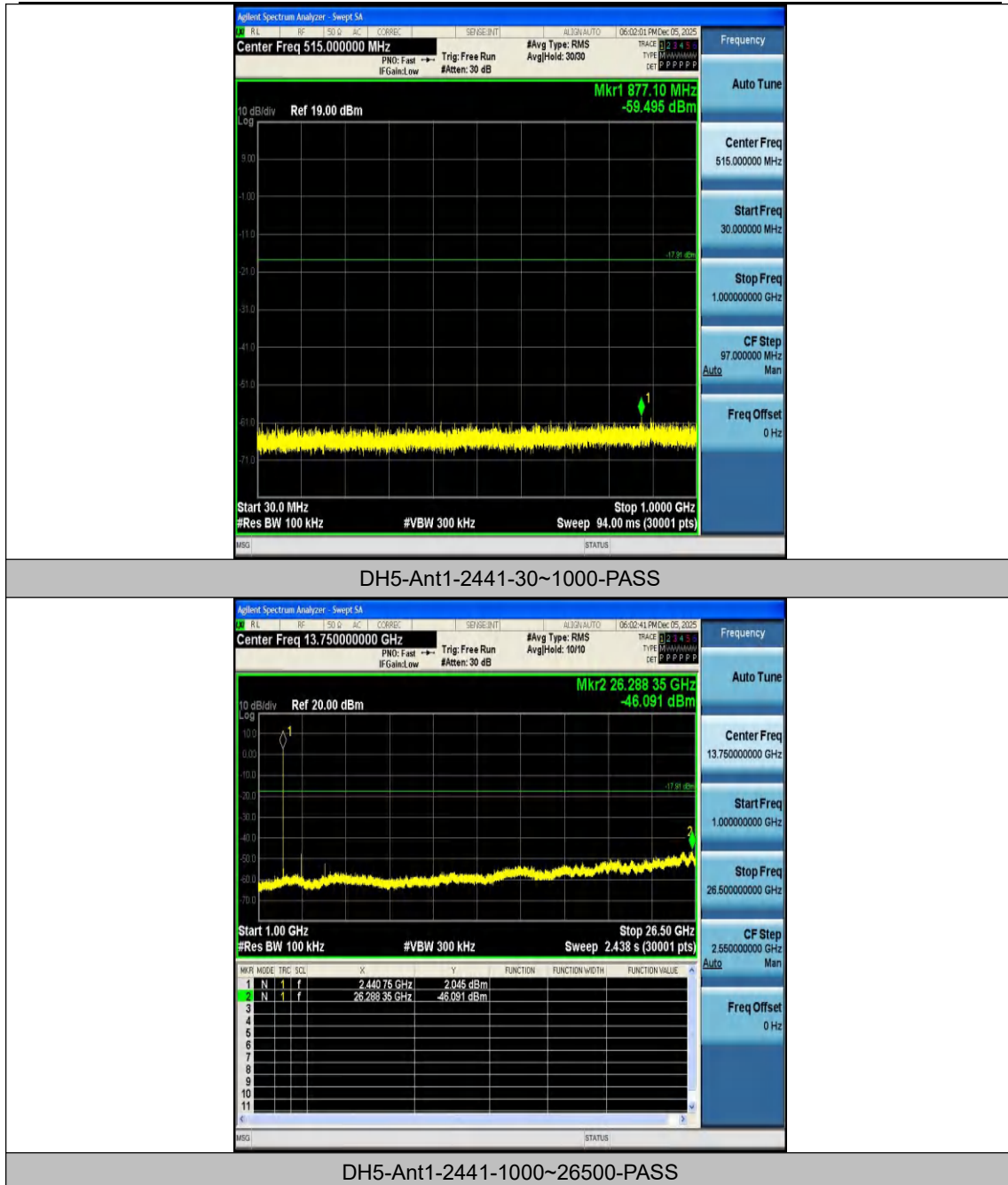
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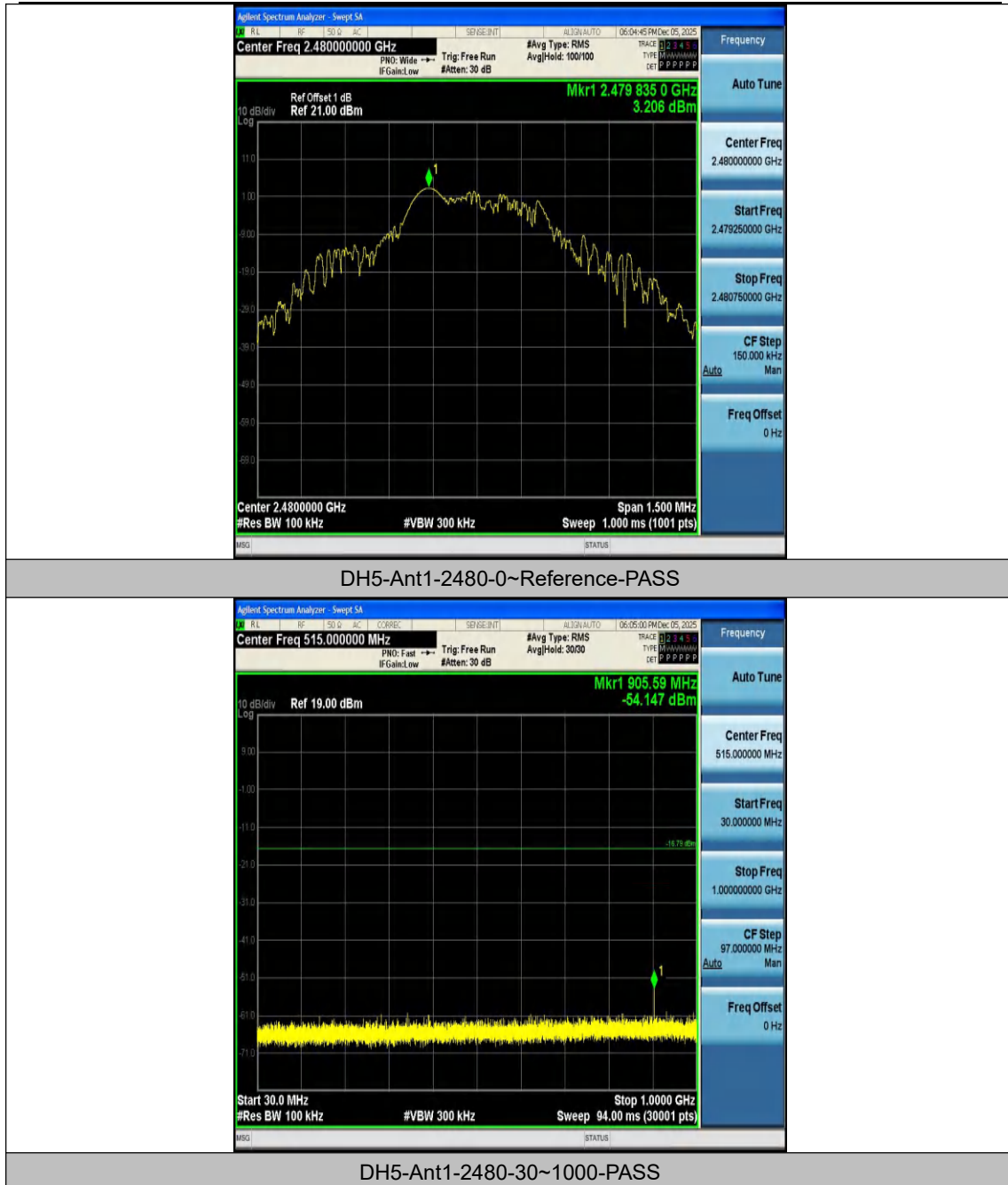
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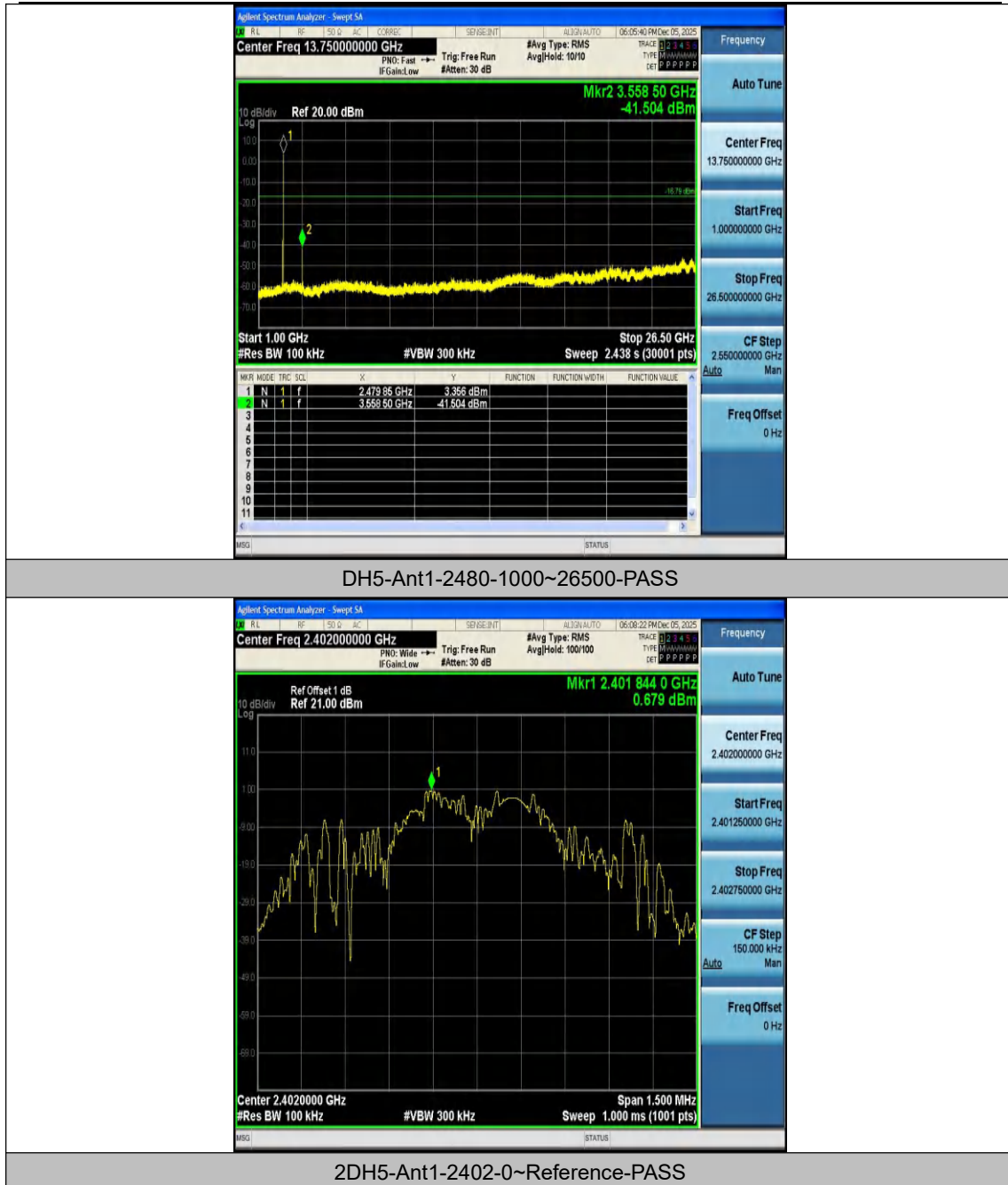
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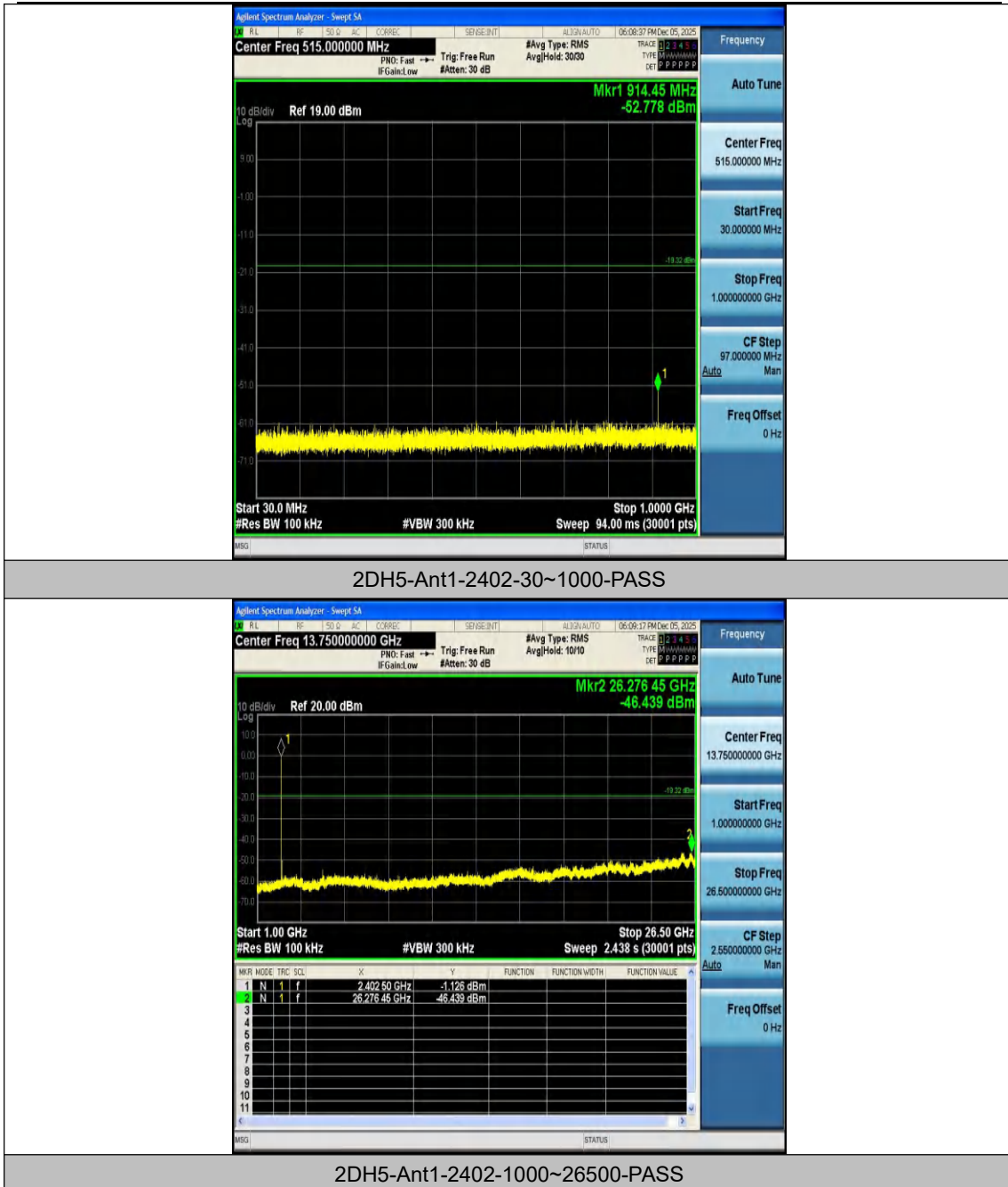


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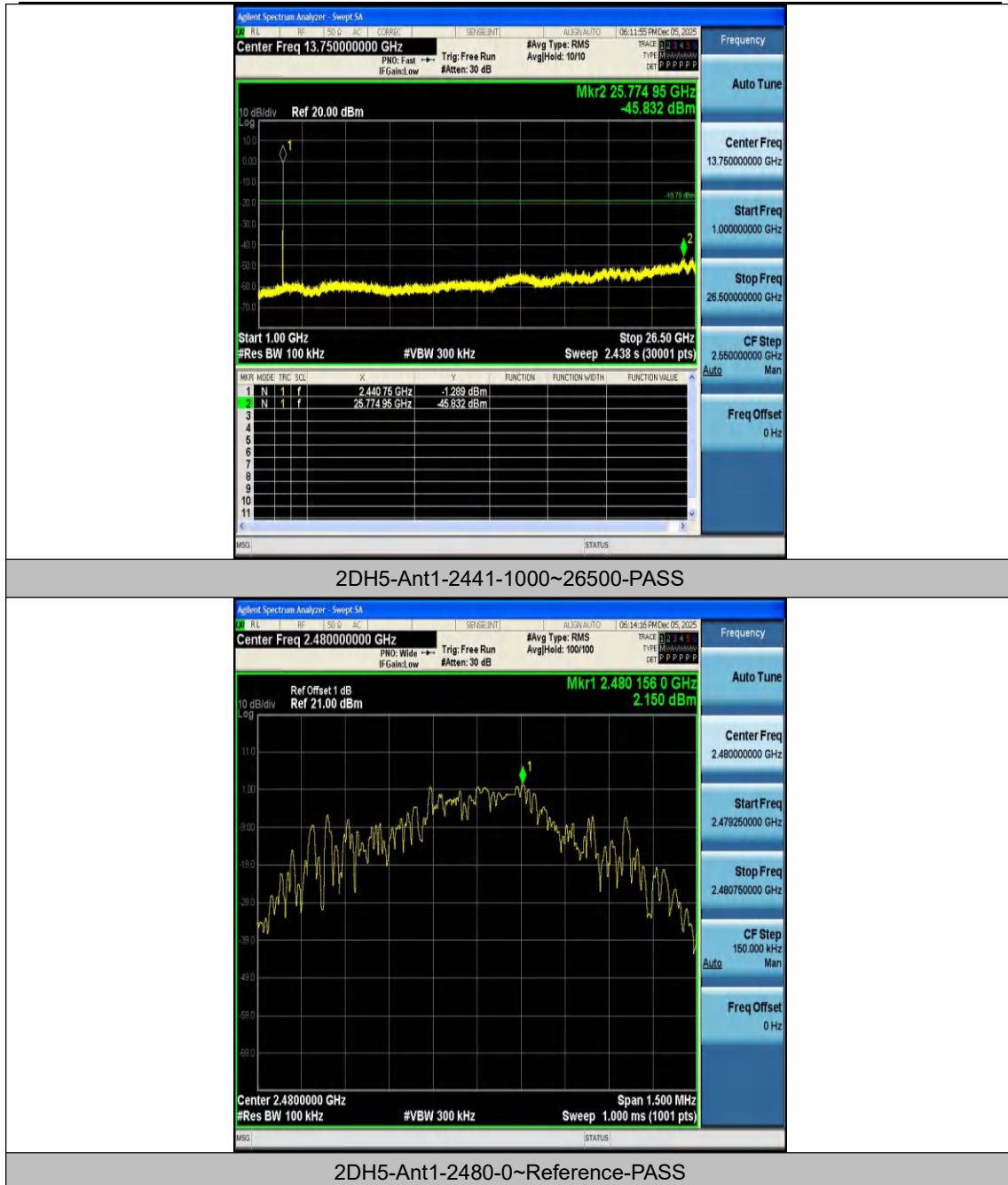
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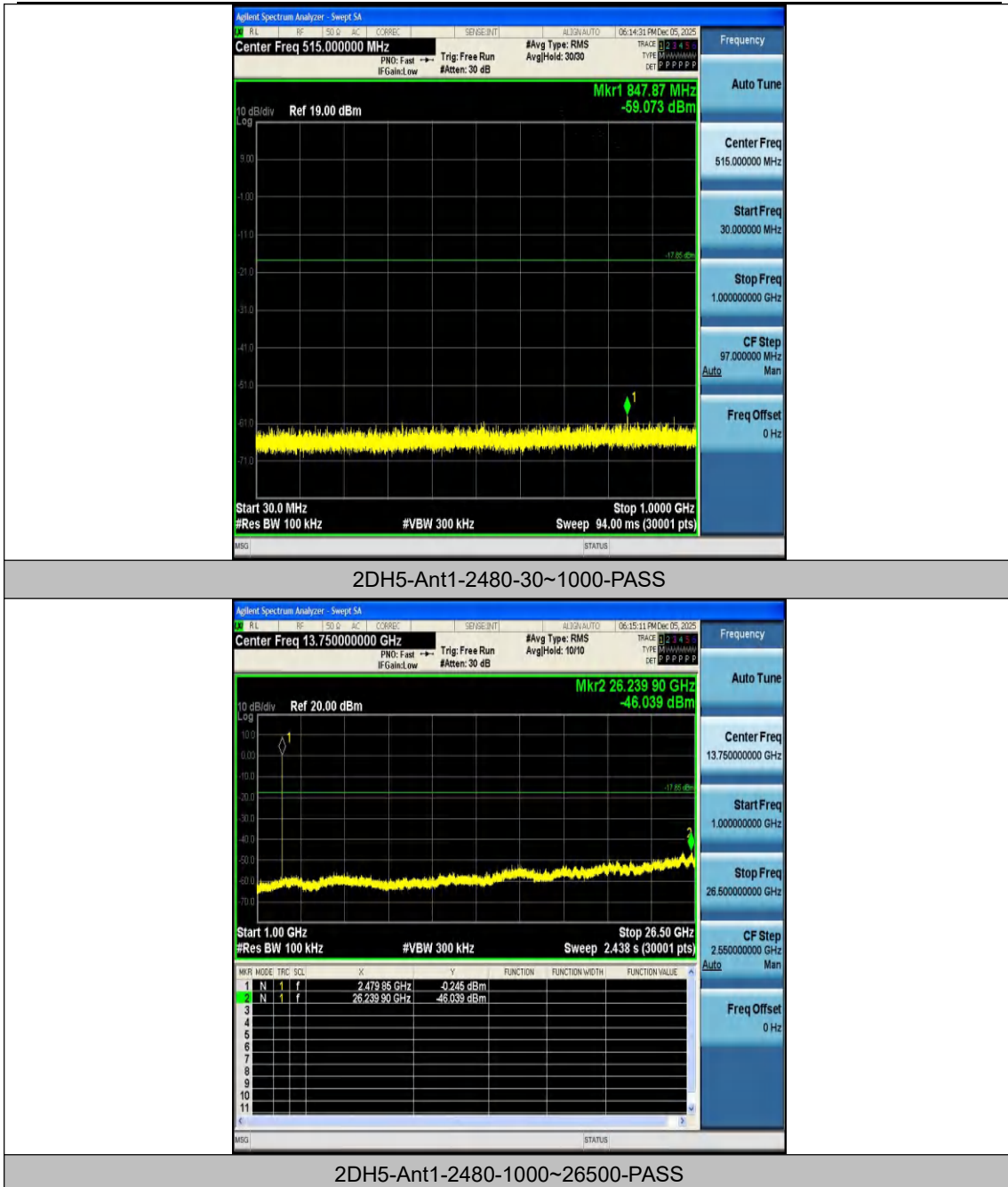
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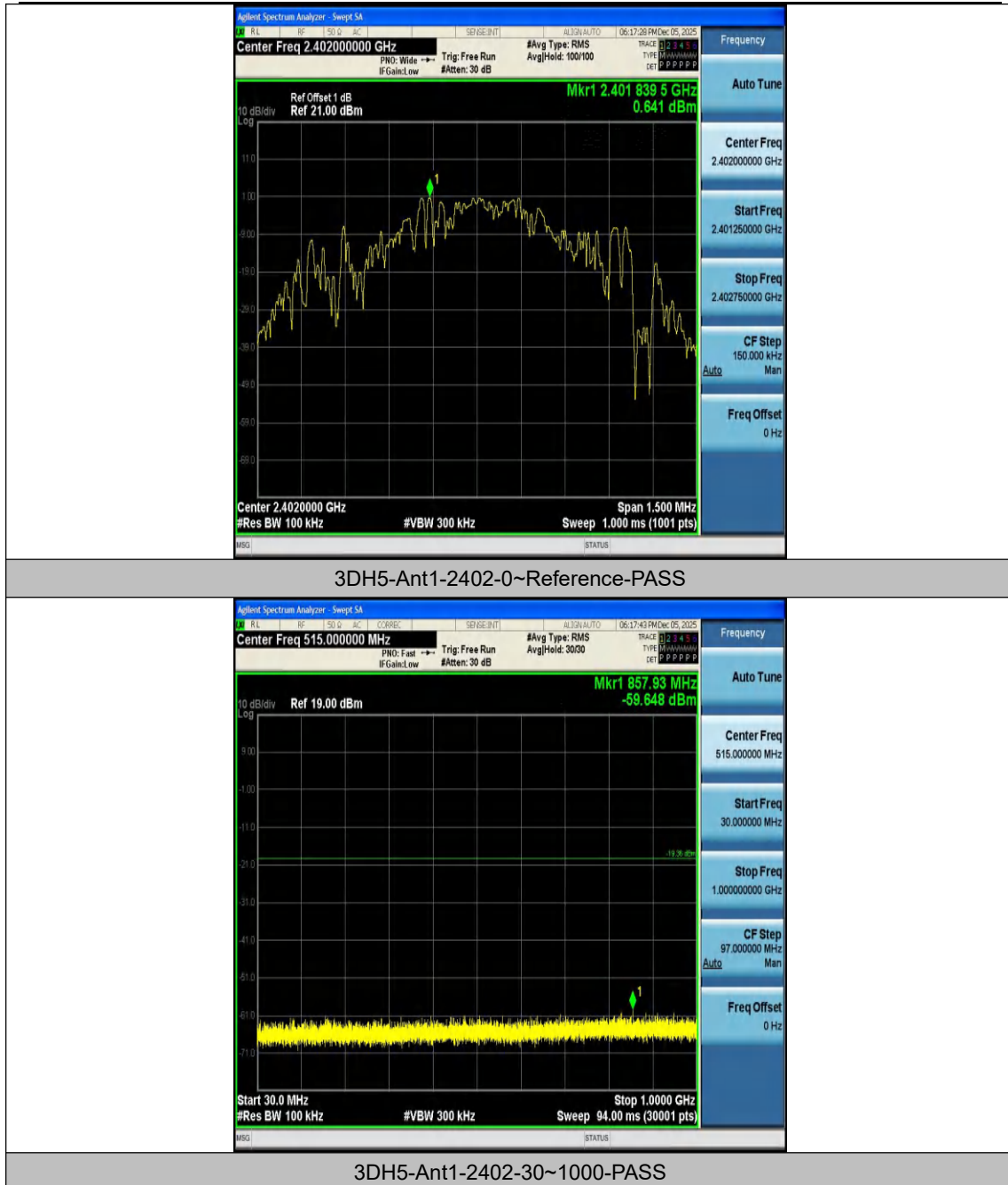


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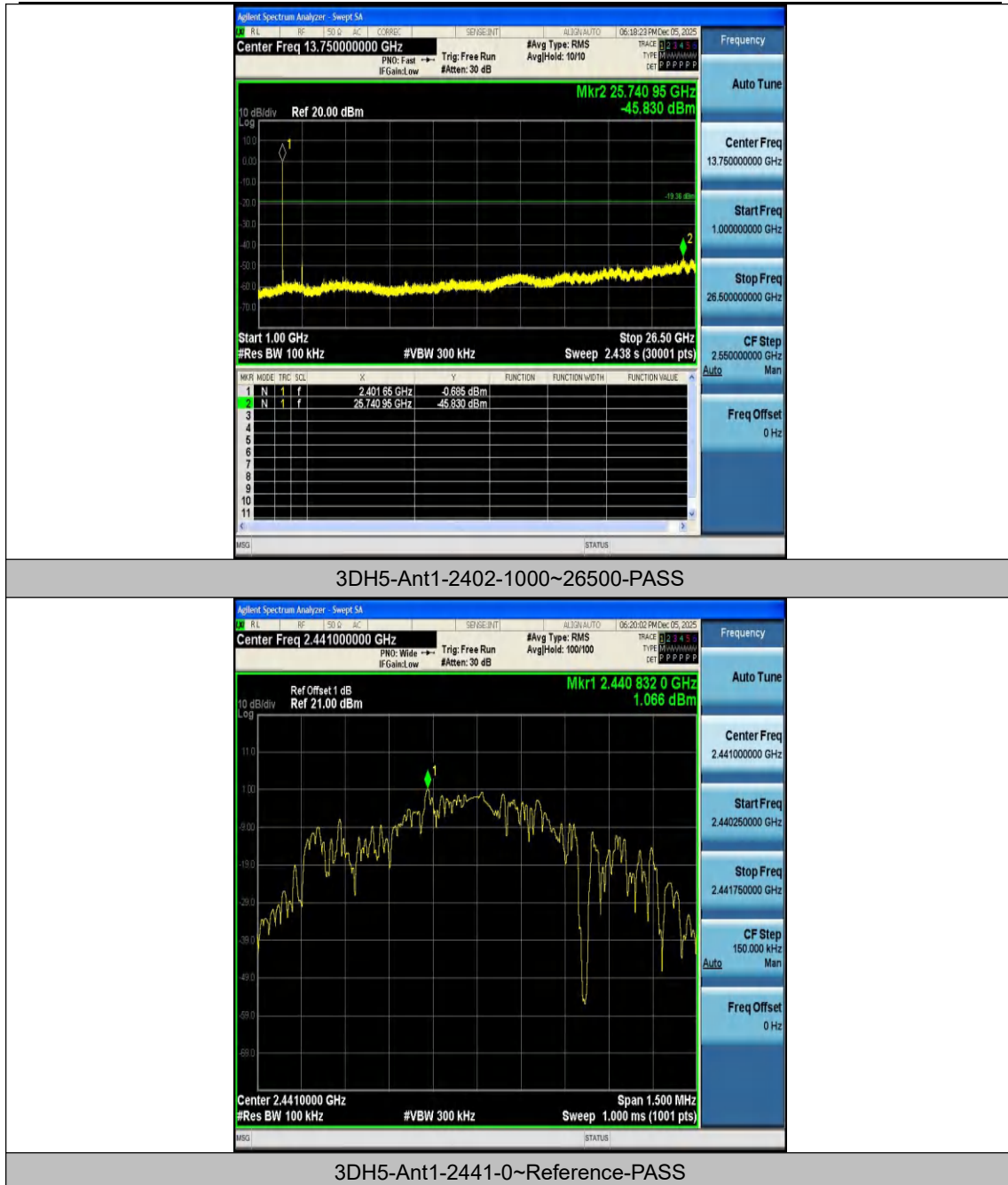


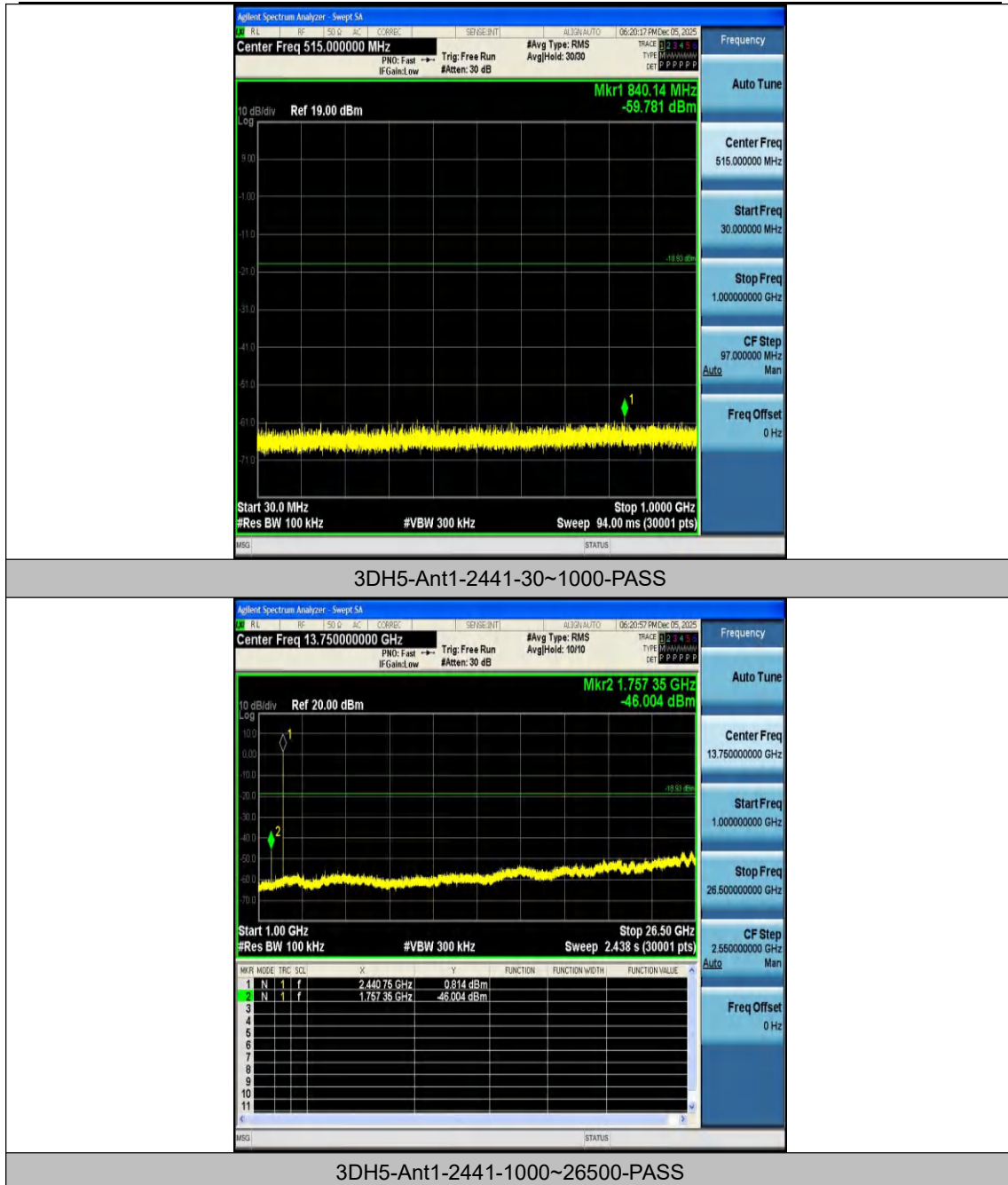


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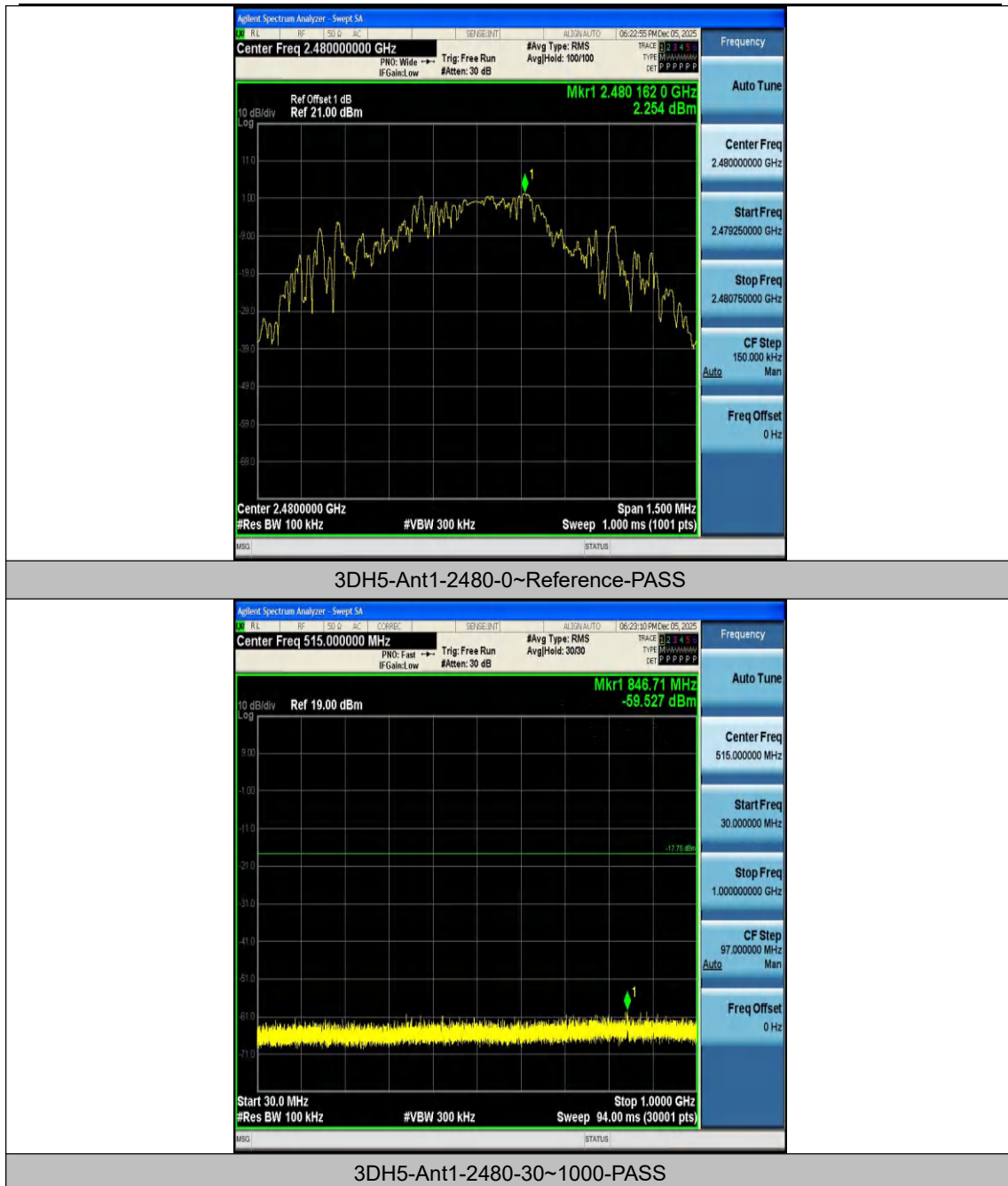




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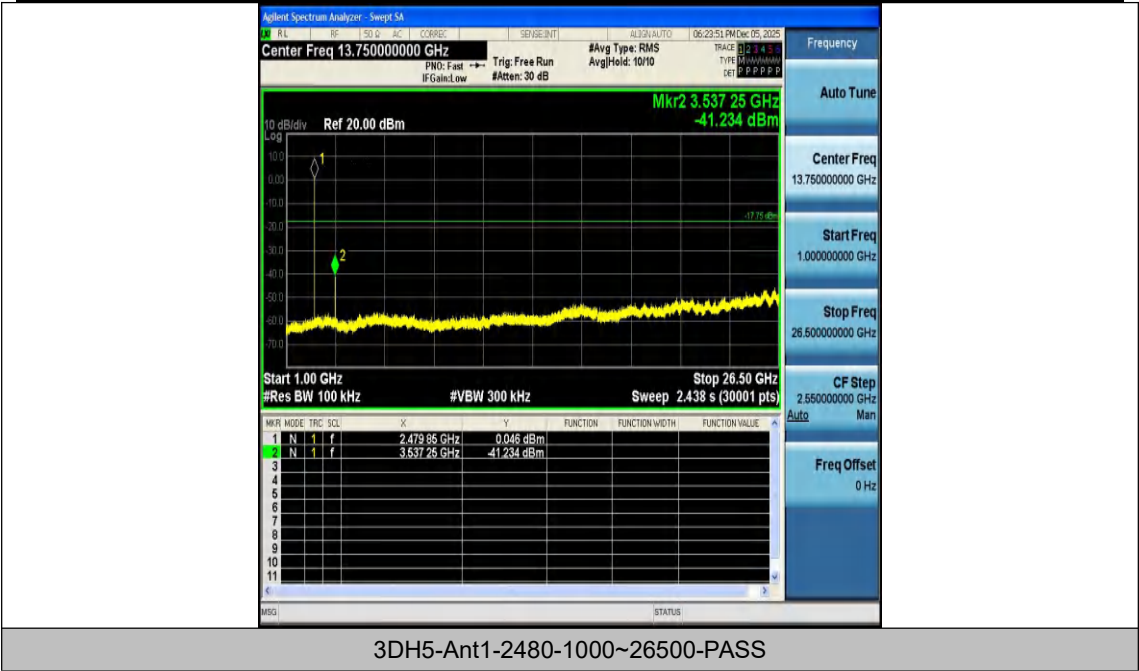
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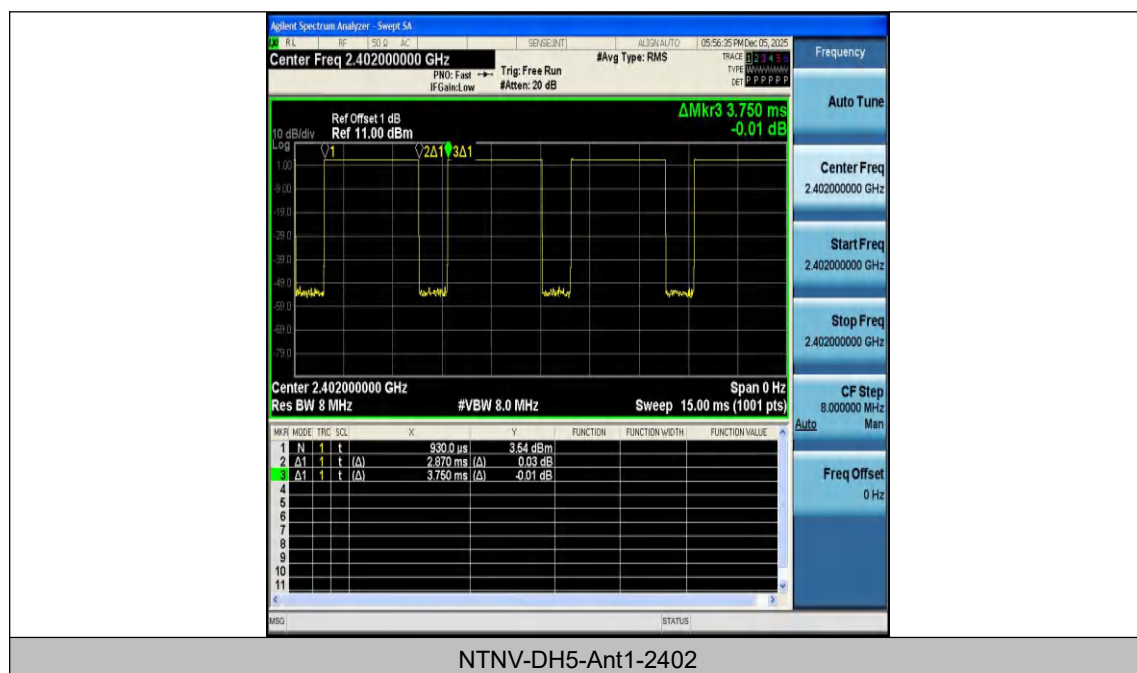
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Appendix I: Duty Cycle

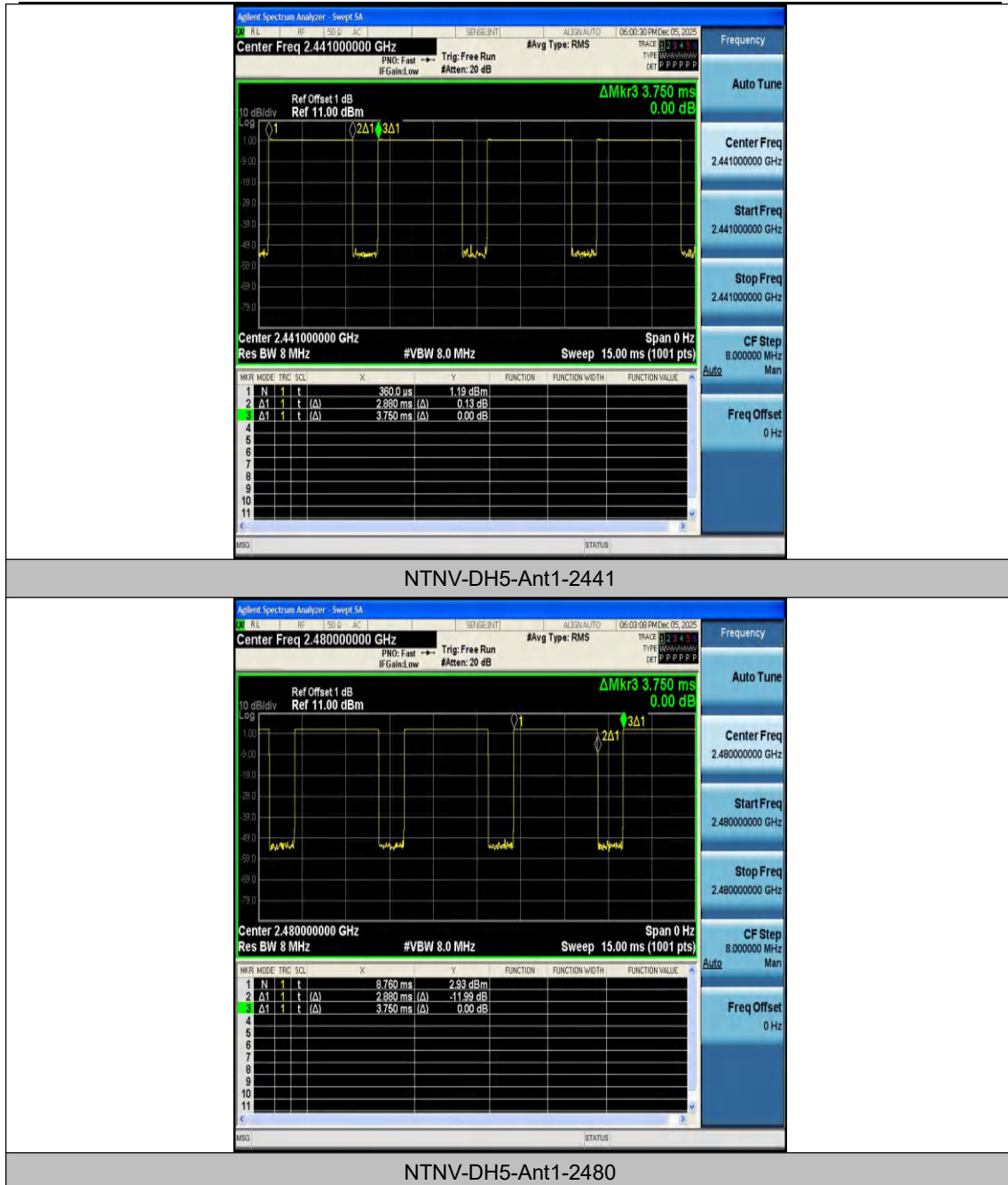
Test Result

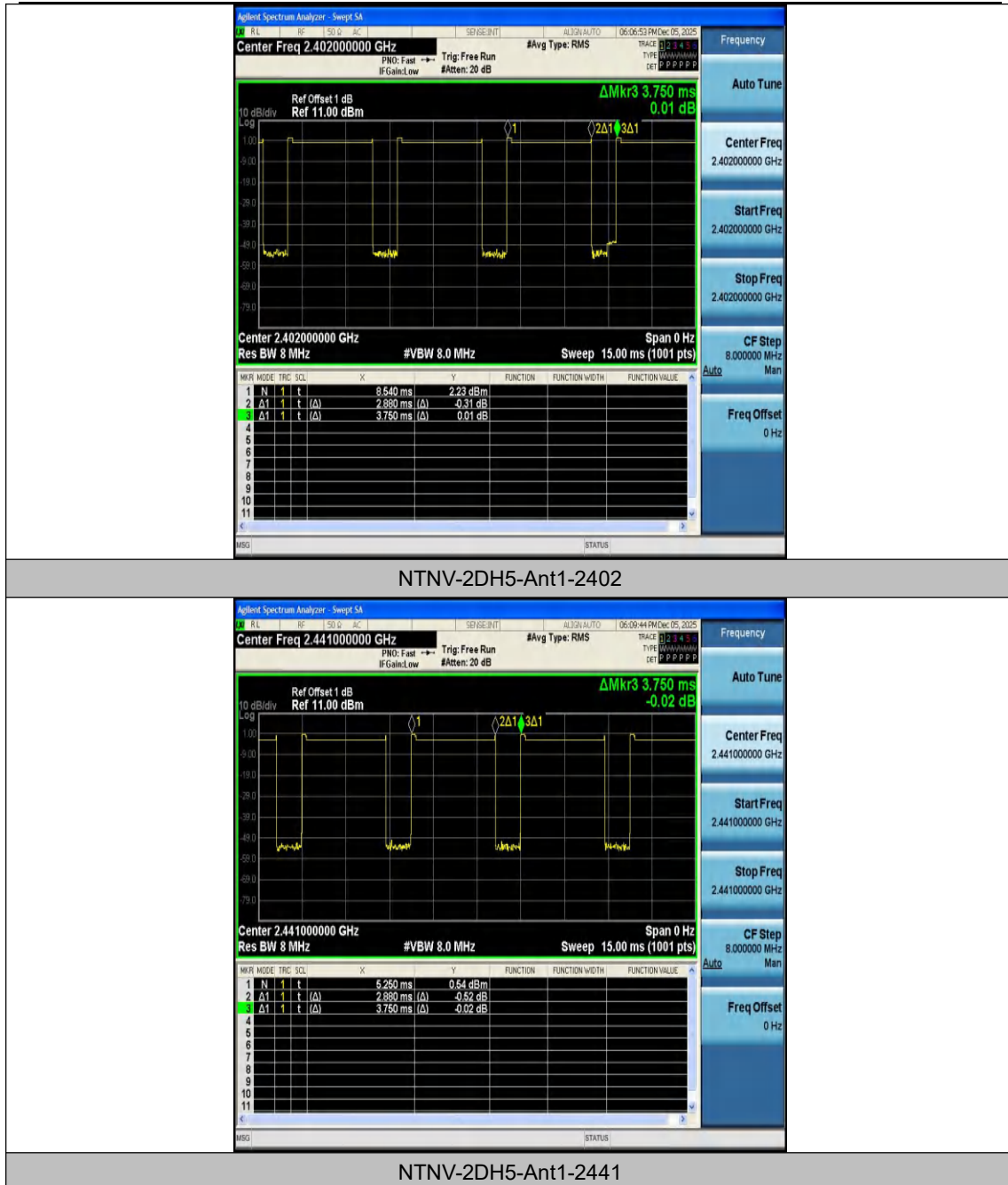
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	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	2.88	3.75	76.80	1.15

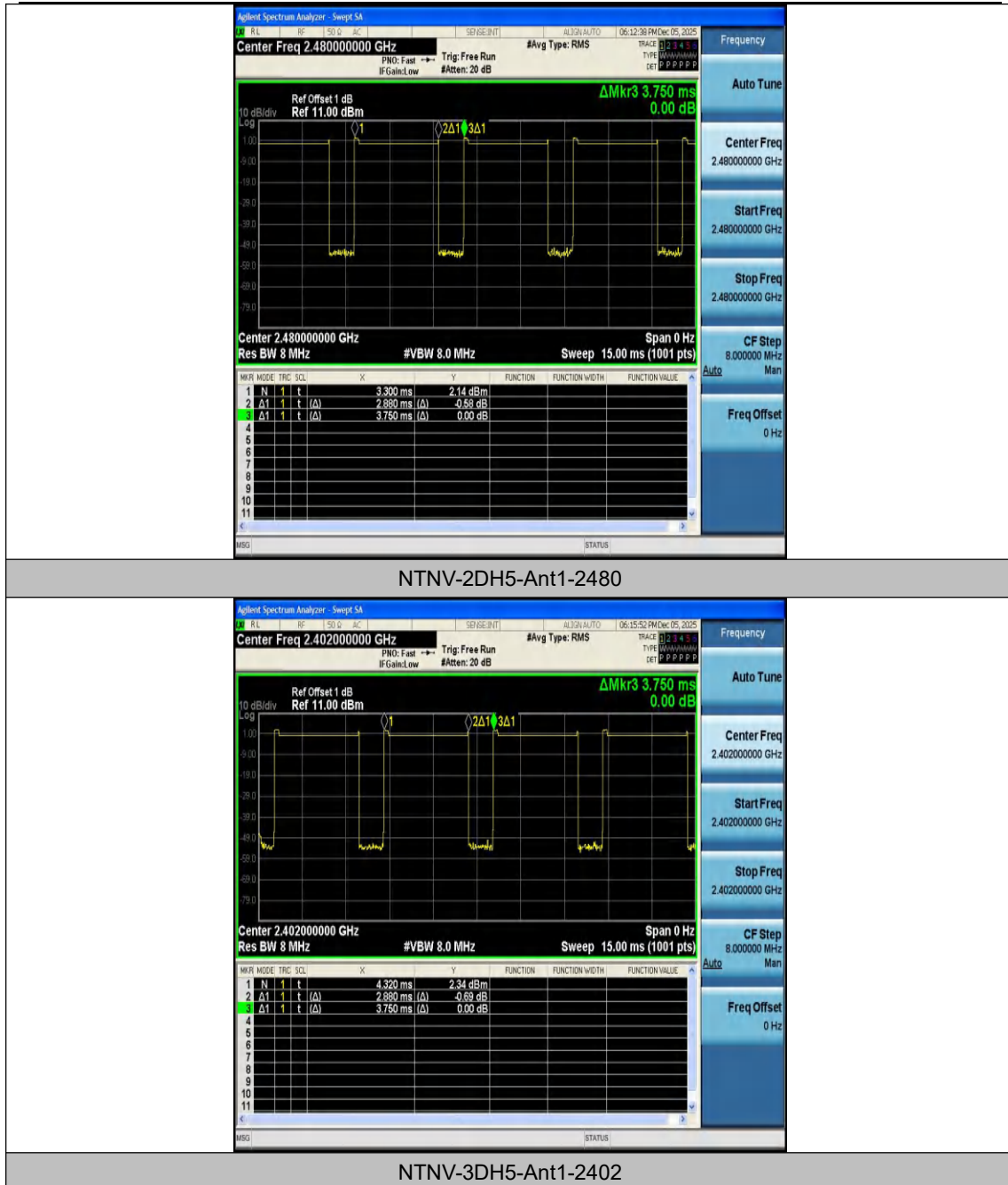
Test Graphs



NTNV-DH5-Ant1-2402



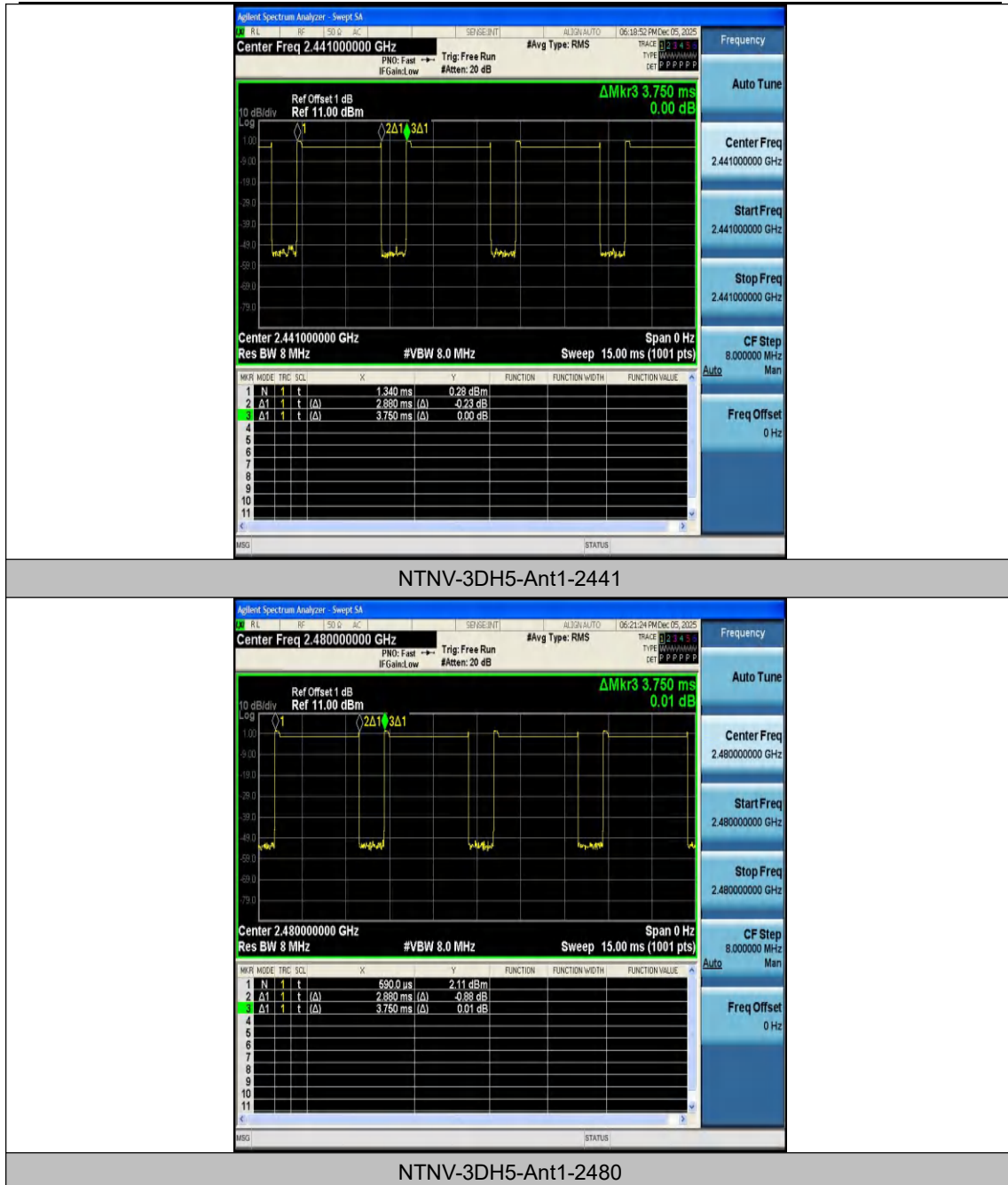




Shenzhen Anbotek Compliance Laboratory Limited

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