

Appendix Test Data

Report No.:	1812C50696512501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-24	Finish Test Date:	2025-12-24
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	53%
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	1.008	2401.472	2402.480	---	---
DH5	Ant1	2441	1.005	2440.484	2441.489	---	---
DH5	Ant1	2480	1.020	2479.478	2480.498	---	---
2DH5	Ant1	2402	1.311	2401.337	2402.648	---	---
2DH5	Ant1	2441	1.299	2440.352	2441.651	---	---
2DH5	Ant1	2480	1.305	2479.346	2480.651	---	---
3DH5	Ant1	2402	1.326	2401.334	2402.660	---	---
3DH5	Ant1	2441	1.299	2440.340	2441.639	---	---
3DH5	Ant1	2480	1.299	2479.340	2480.639	---	---

Test Graphs





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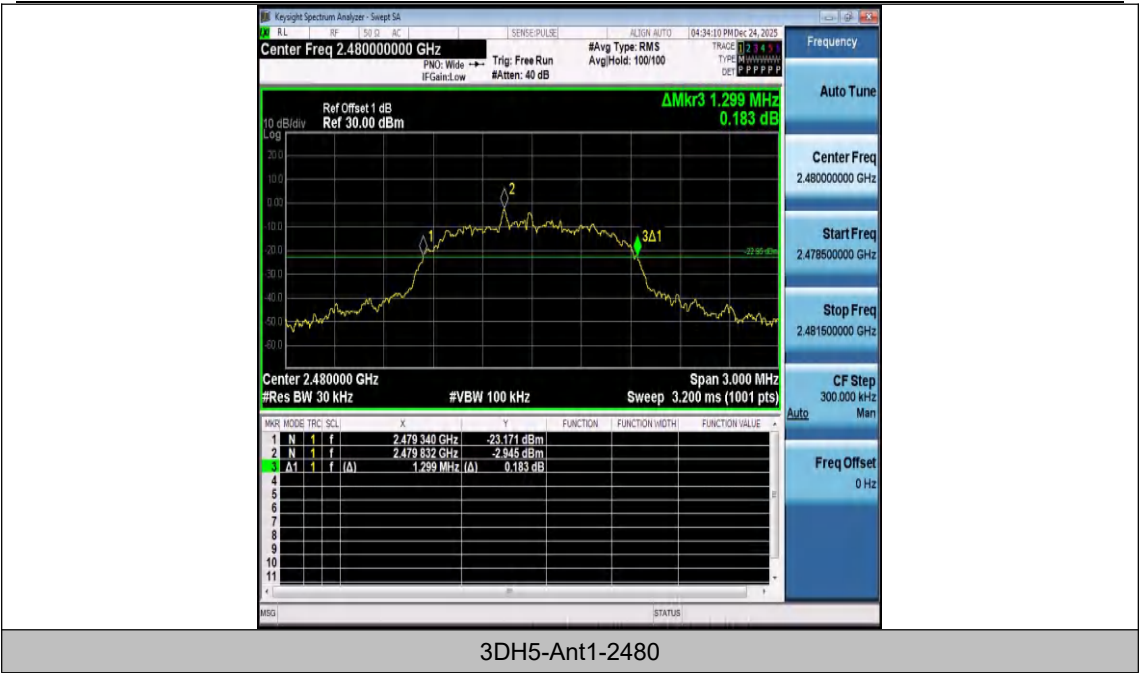
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87172	2401.5509	2402.4226	---	---
DH5	Ant1	2441	0.89818	2440.5472	2441.4454	---	---
DH5	Ant1	2480	0.91628	2479.5351	2480.4514	---	---
2DH5	Ant1	2402	1.1930	2401.3947	2402.5877	---	---
2DH5	Ant1	2441	1.1907	2440.3965	2441.5872	---	---
2DH5	Ant1	2480	1.2093	2479.3906	2480.5999	---	---
3DH5	Ant1	2402	1.2095	2401.3829	2402.5924	---	---
3DH5	Ant1	2441	1.2032	2440.3880	2441.5912	---	---
3DH5	Ant1	2480	1.2029	2479.3891	2480.5920	---	---

Test Graphs



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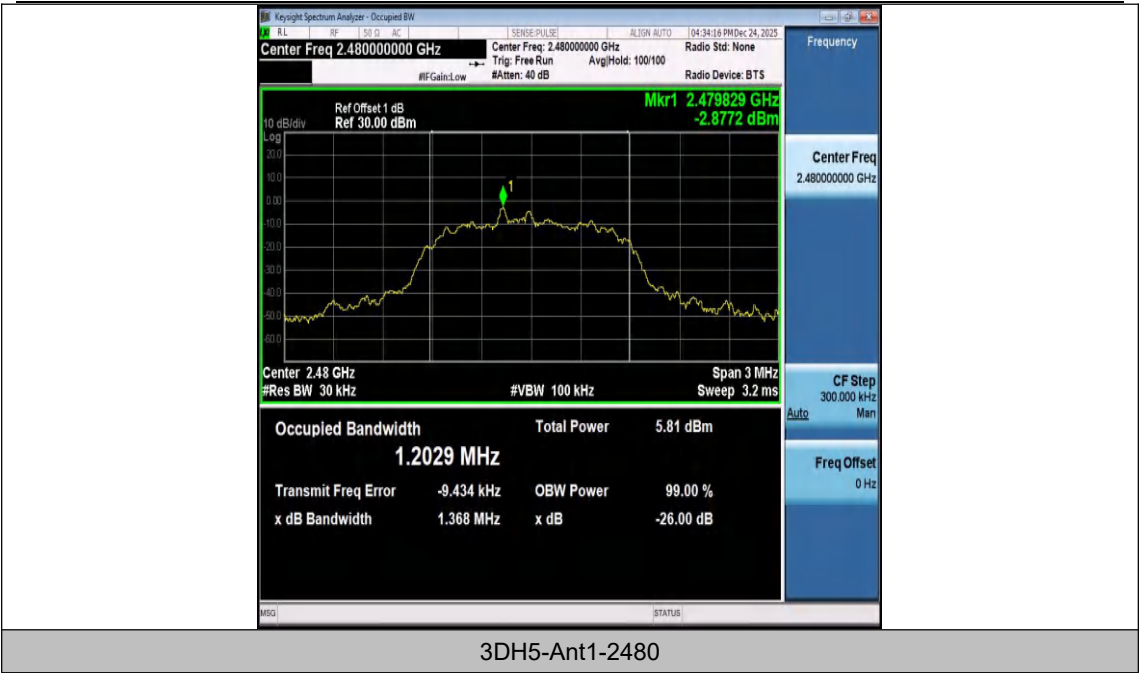
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3DH5-Ant1-2480

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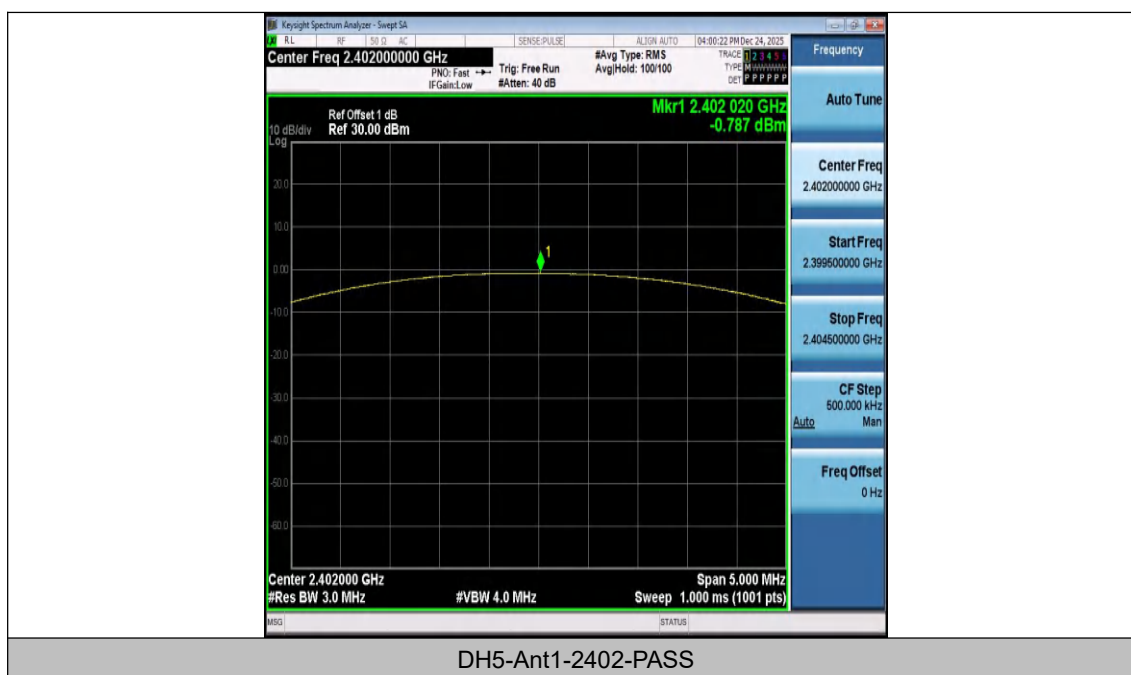
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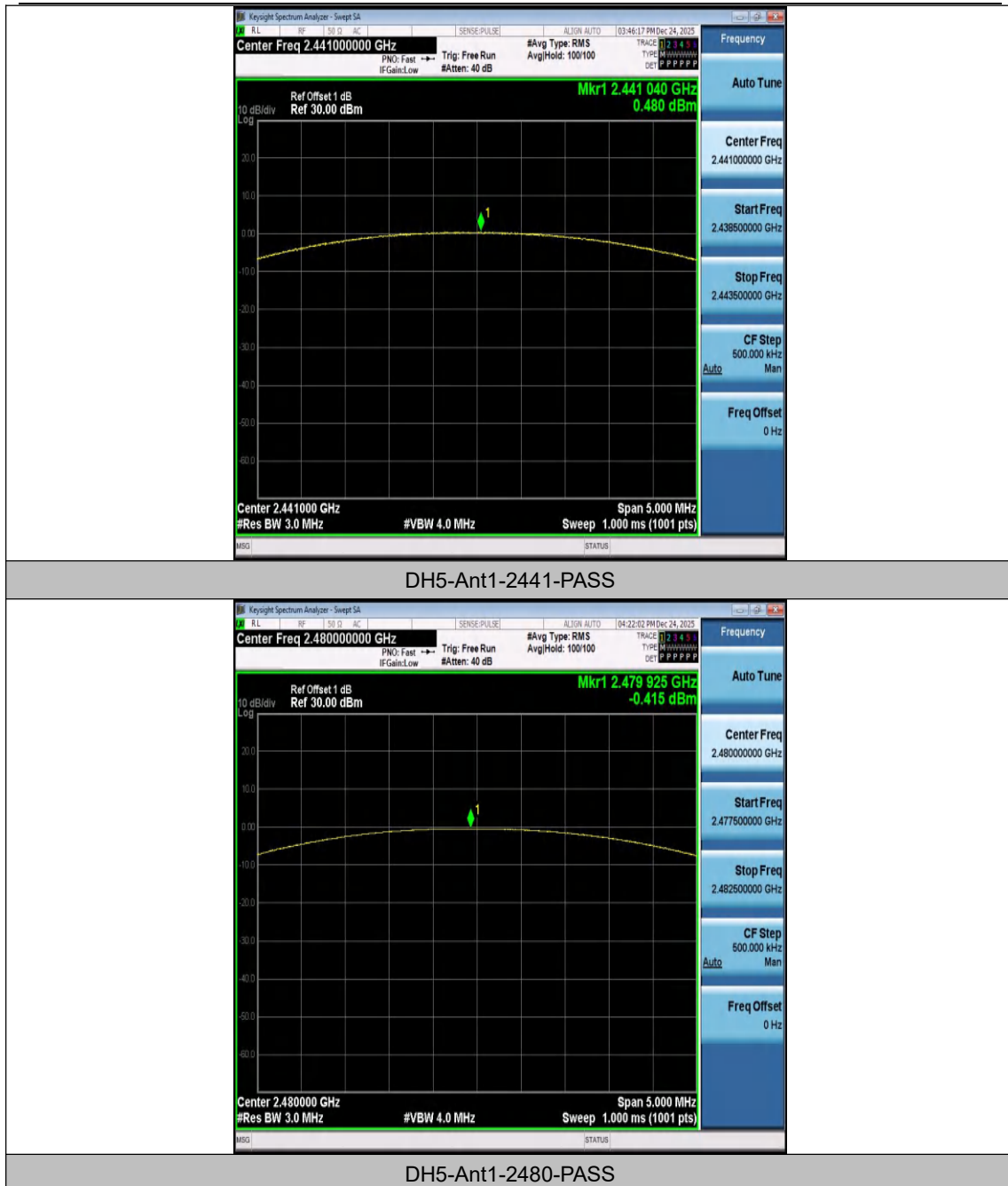
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.79	≤20.97	PASS
DH5	Ant1	2441	0.48	≤20.97	PASS
DH5	Ant1	2480	-0.42	≤20.97	PASS
2DH5	Ant1	2402	0.18	≤20.97	PASS
2DH5	Ant1	2441	0.48	≤20.97	PASS
2DH5	Ant1	2480	0.46	≤20.97	PASS
3DH5	Ant1	2402	0.56	≤20.97	PASS
3DH5	Ant1	2441	0.97	≤20.97	PASS
3DH5	Ant1	2480	0.91	≤20.97	PASS

Test Graphs

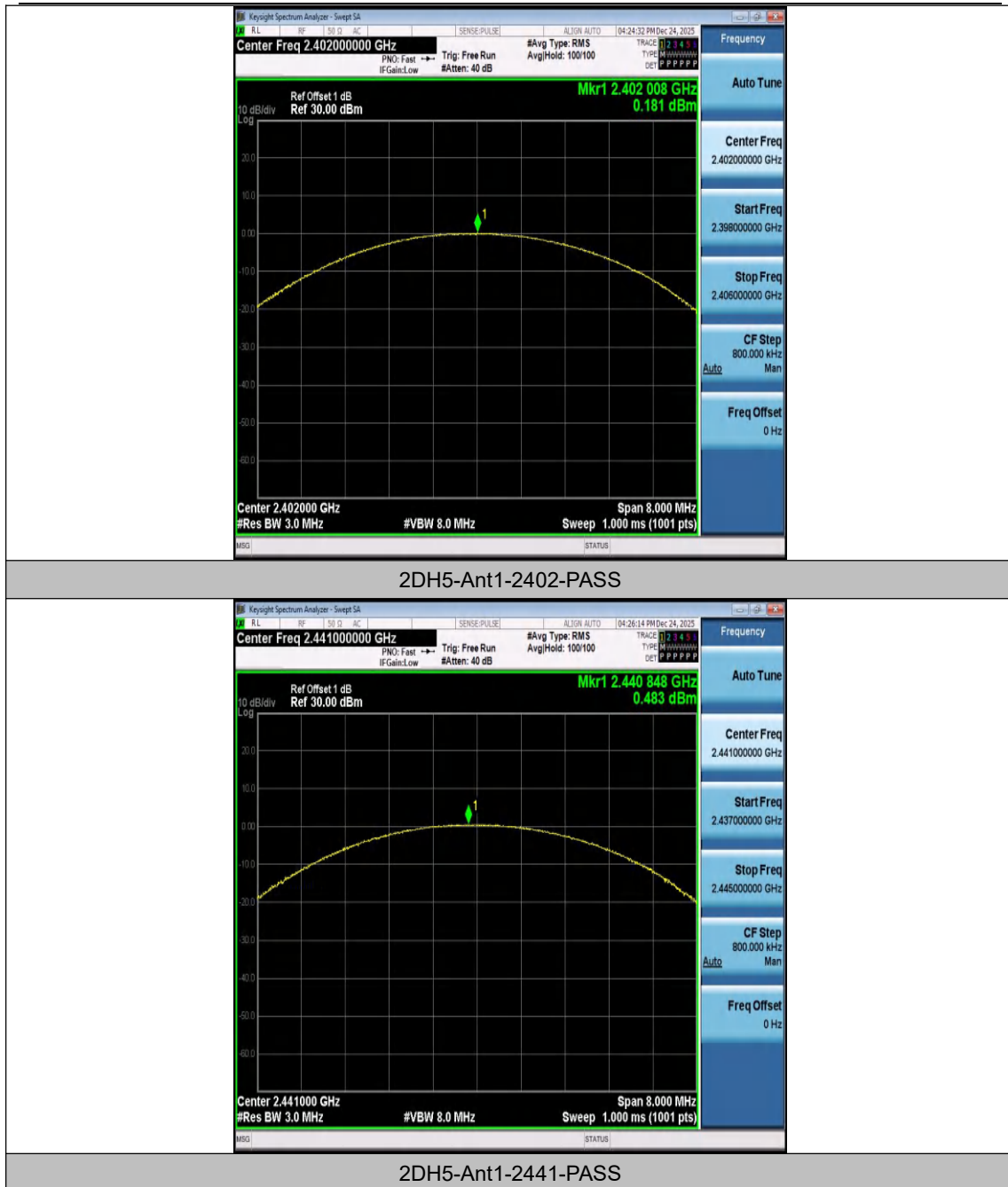




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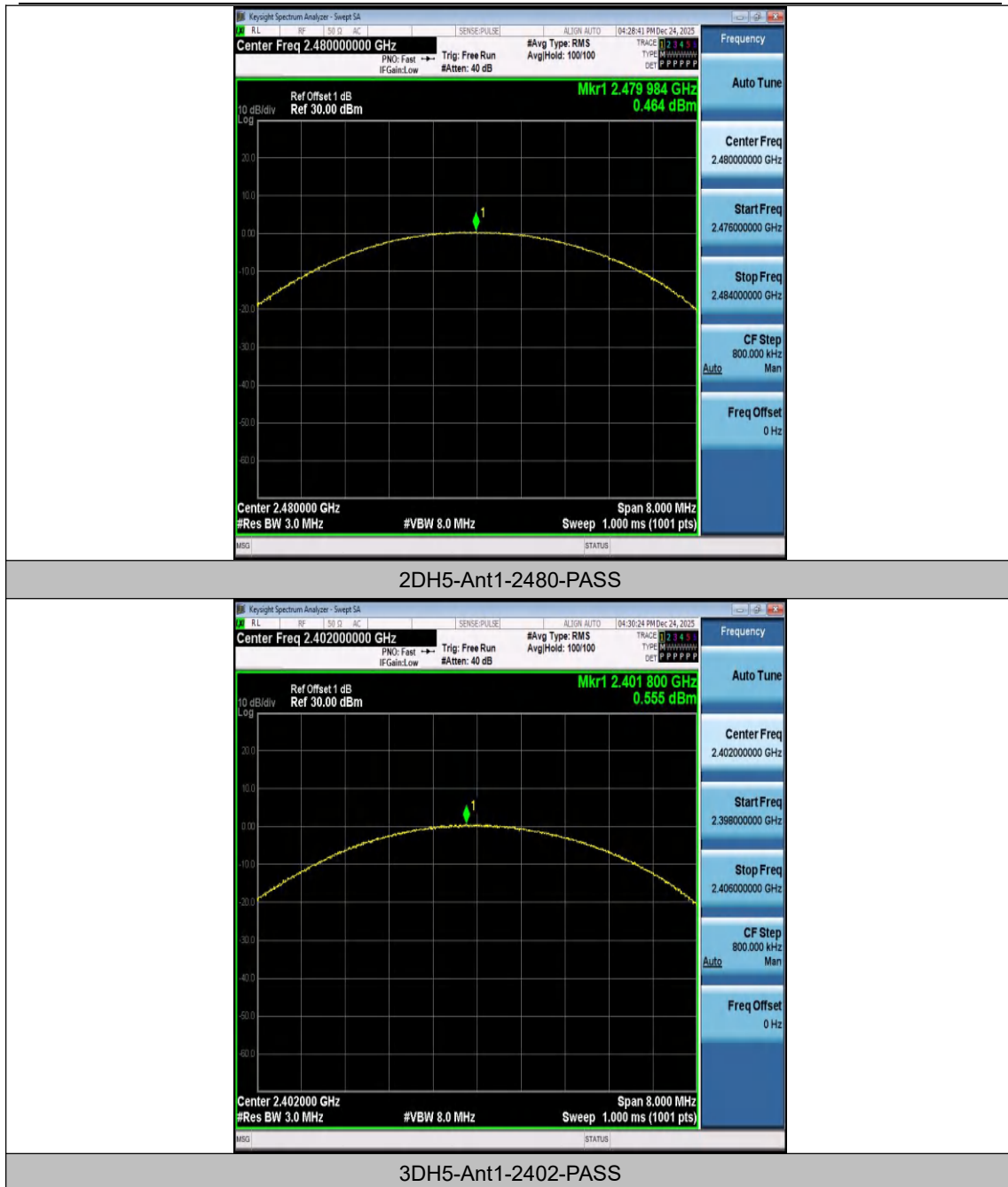
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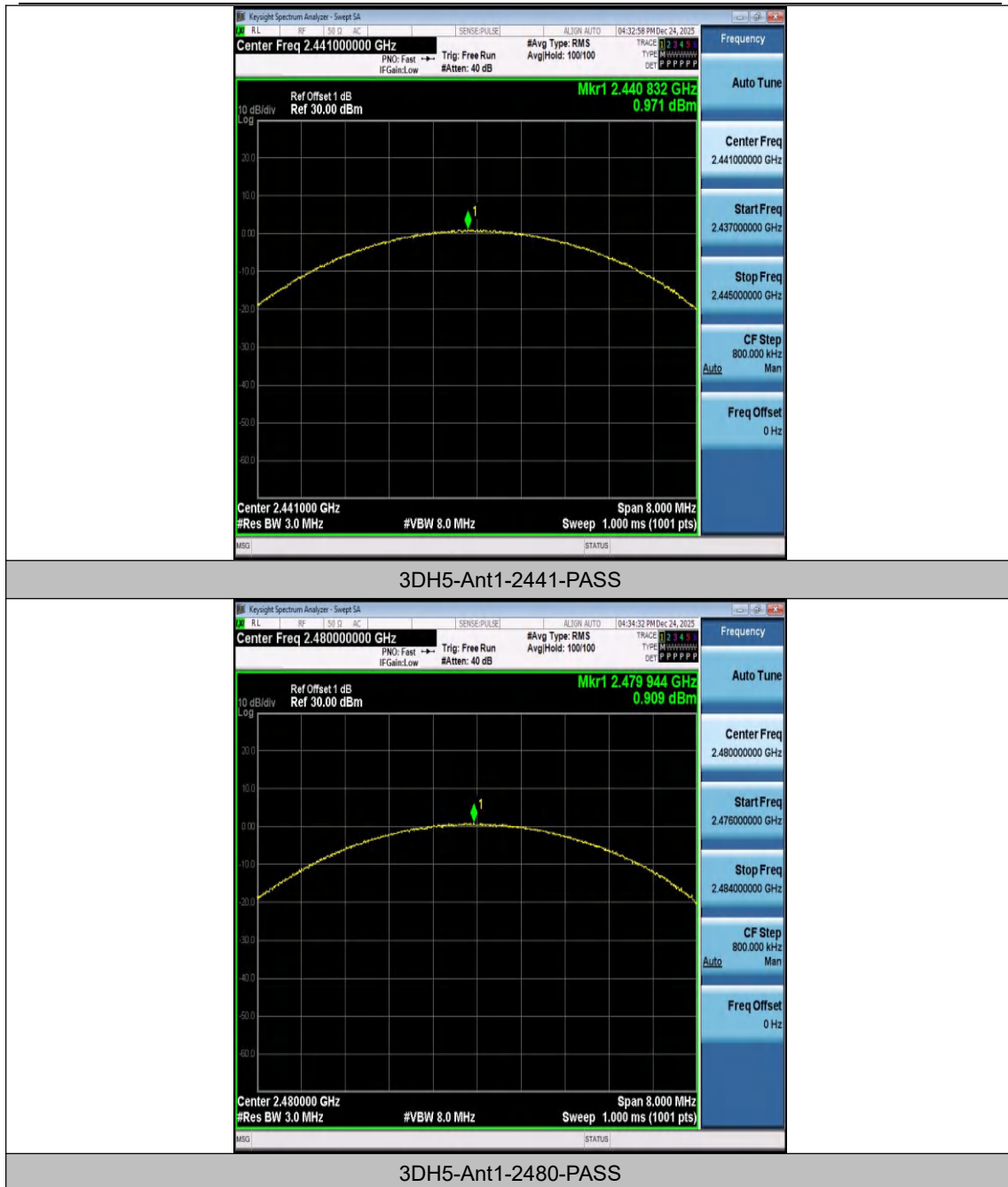
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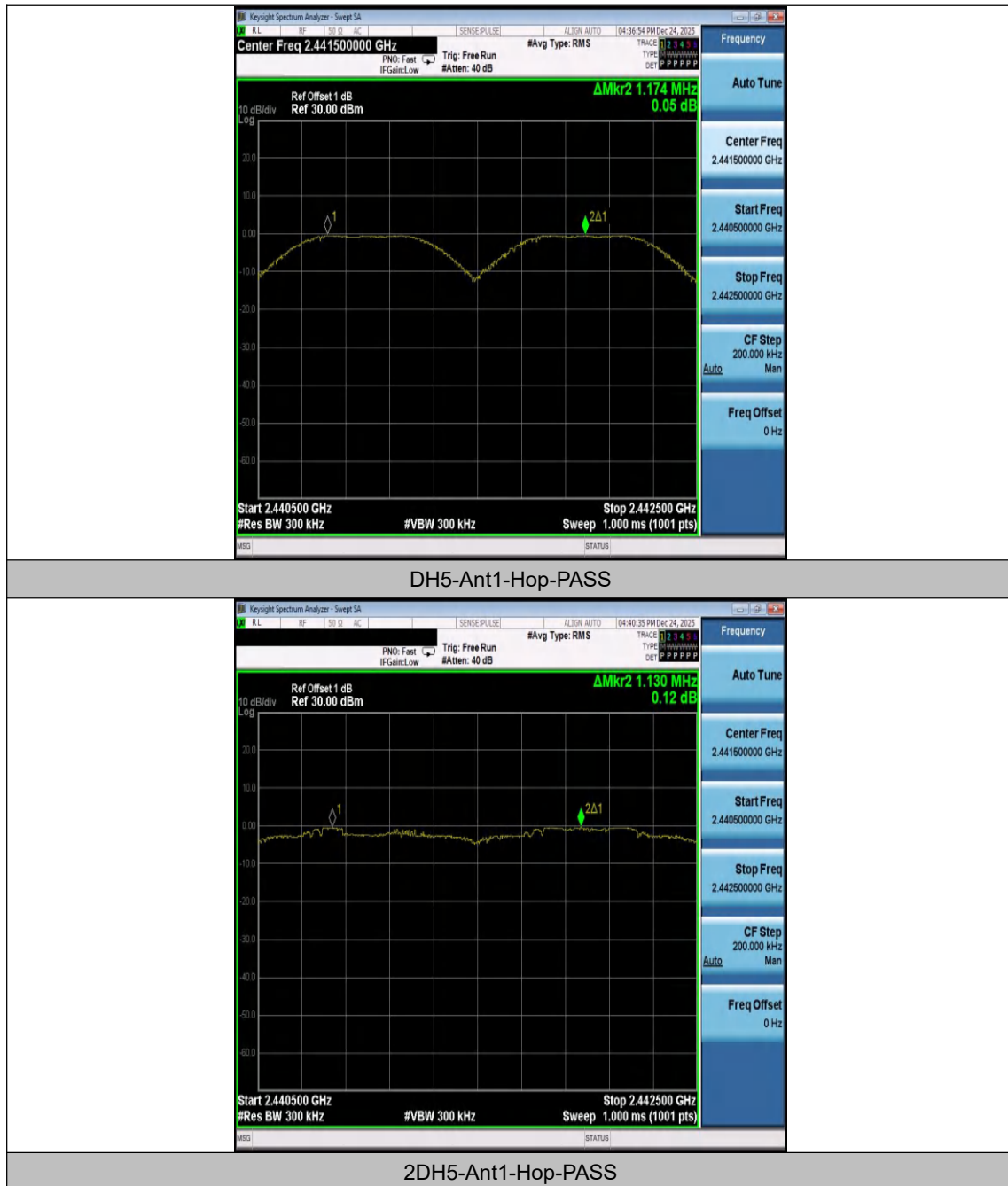
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.174	≥0.878	PASS
2DH5	Ant1	Hop	1.130	≥0.874	PASS
3DH5	Ant1	Hop	1.026	≥0.884	PASS

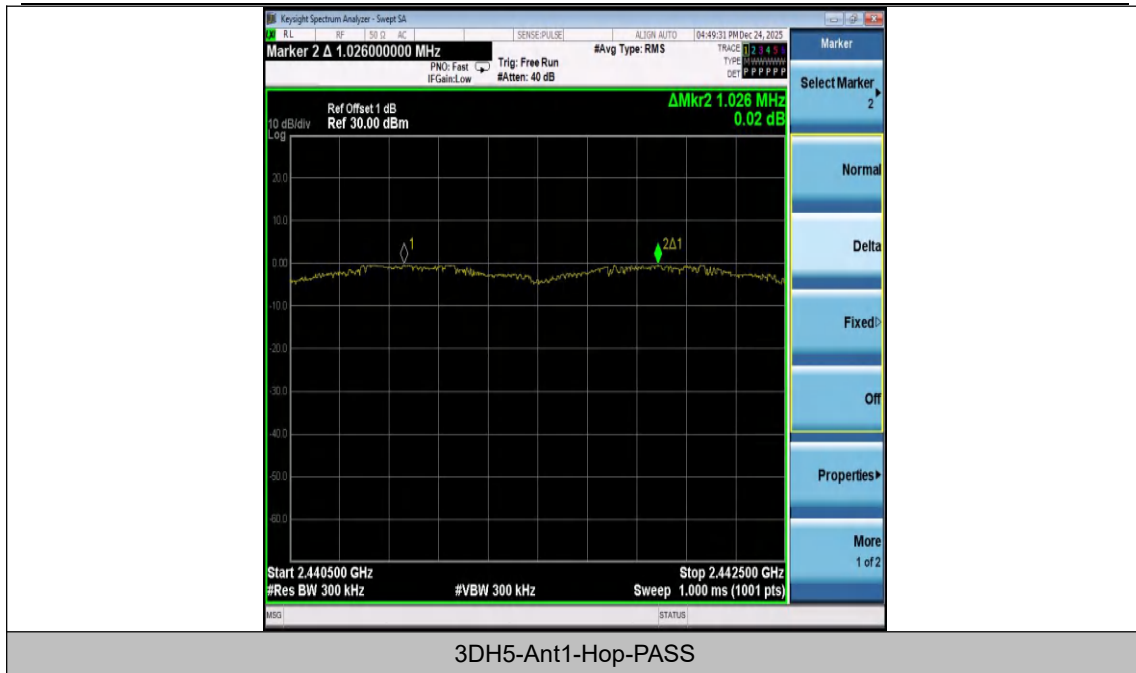
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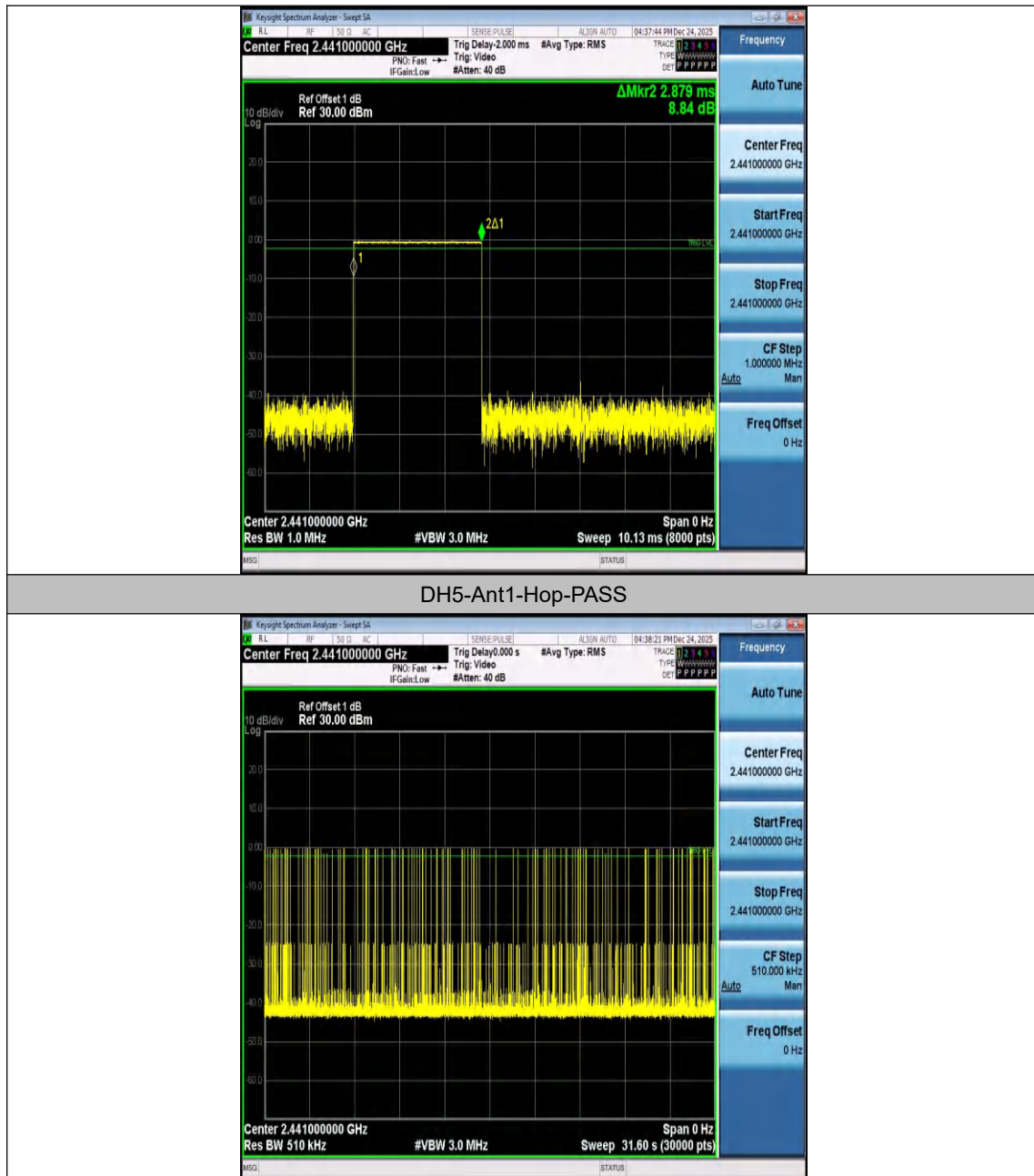
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	124	0.357	≤0.4	PASS
2DH5	Ant1	Hop	2.884	113	0.326	≤0.4	PASS
3DH5	Ant1	Hop	2.887	107	0.309	≤0.4	PASS

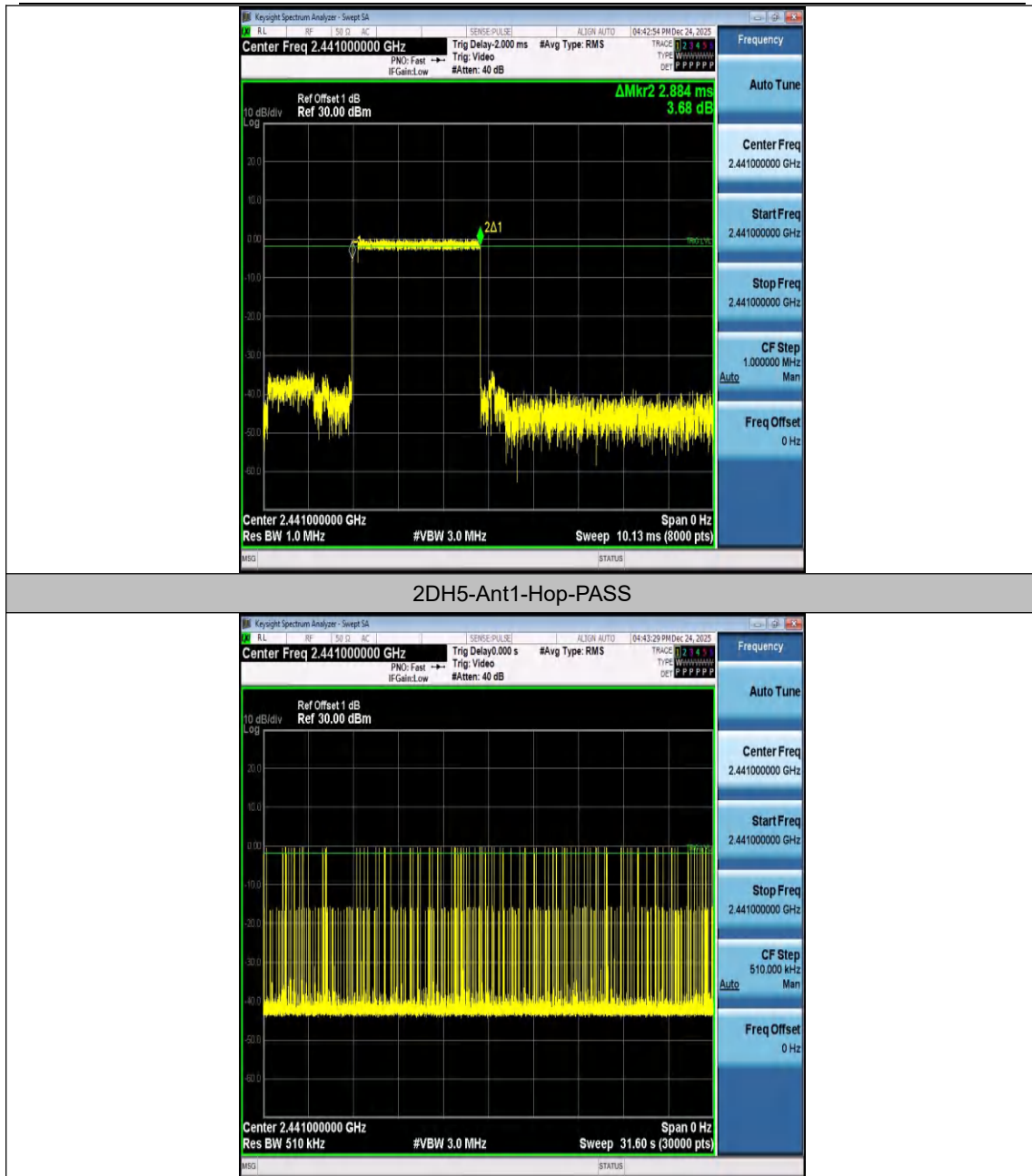
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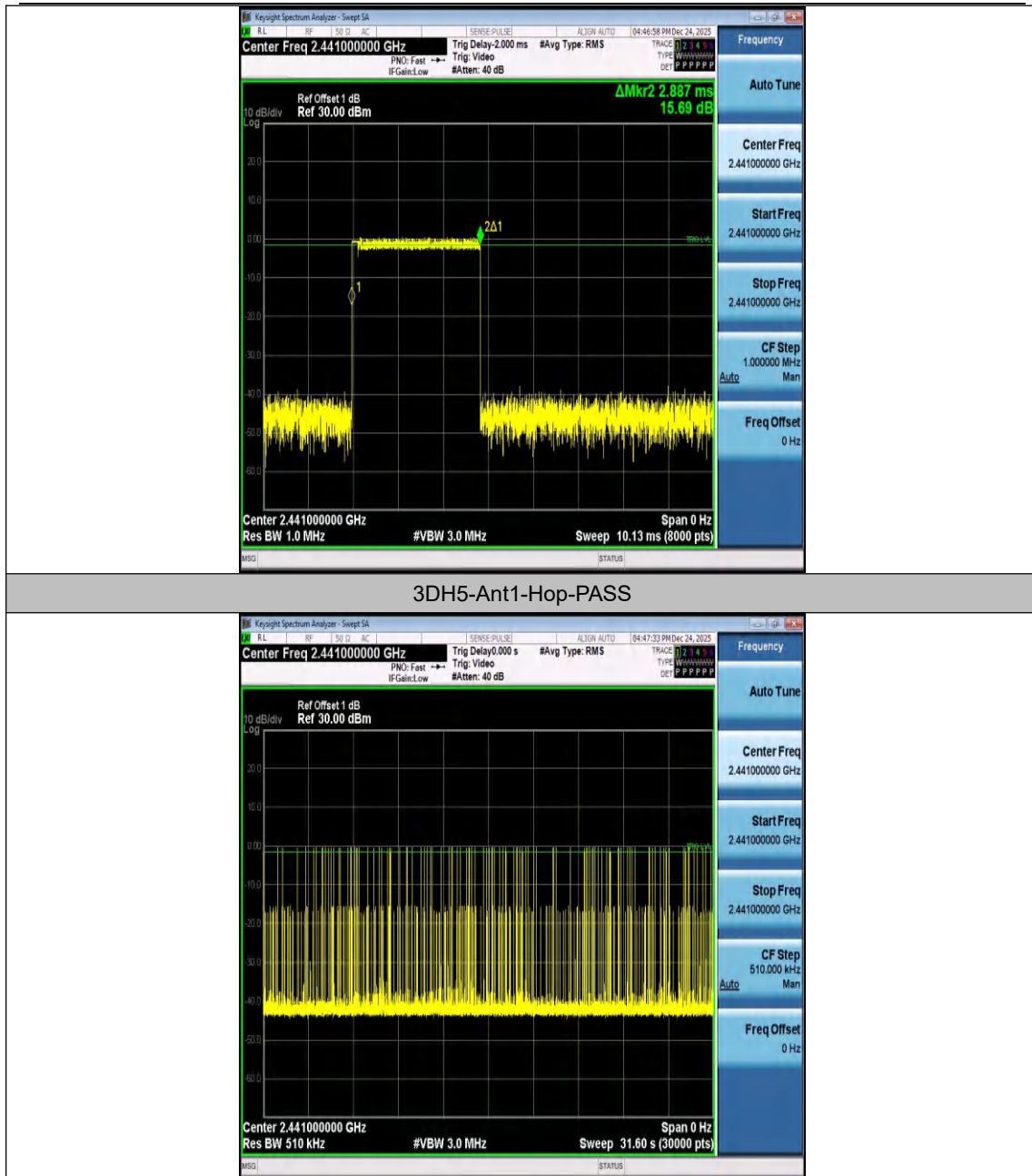
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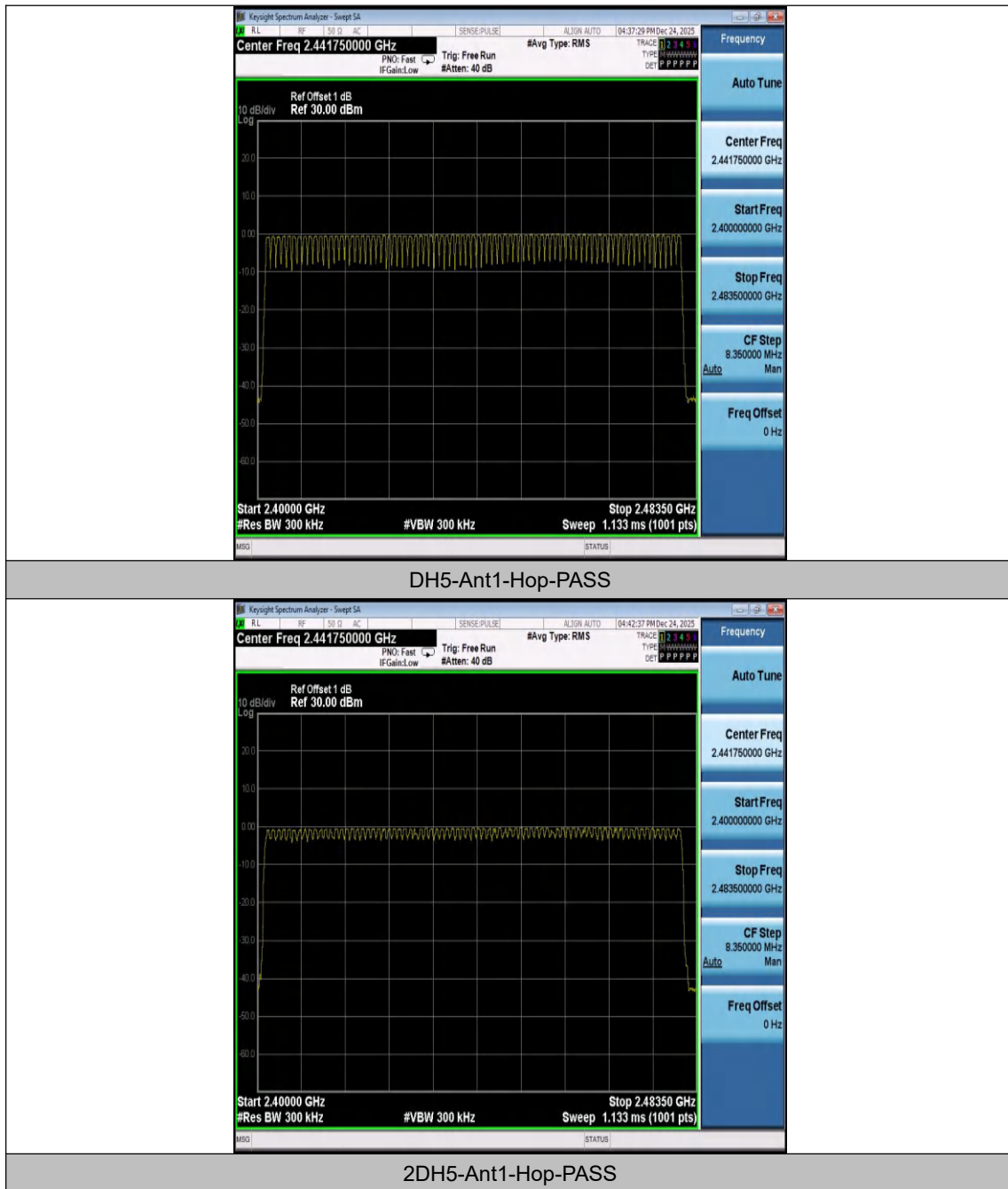
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Appendix F: Number of Hopping Channel

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

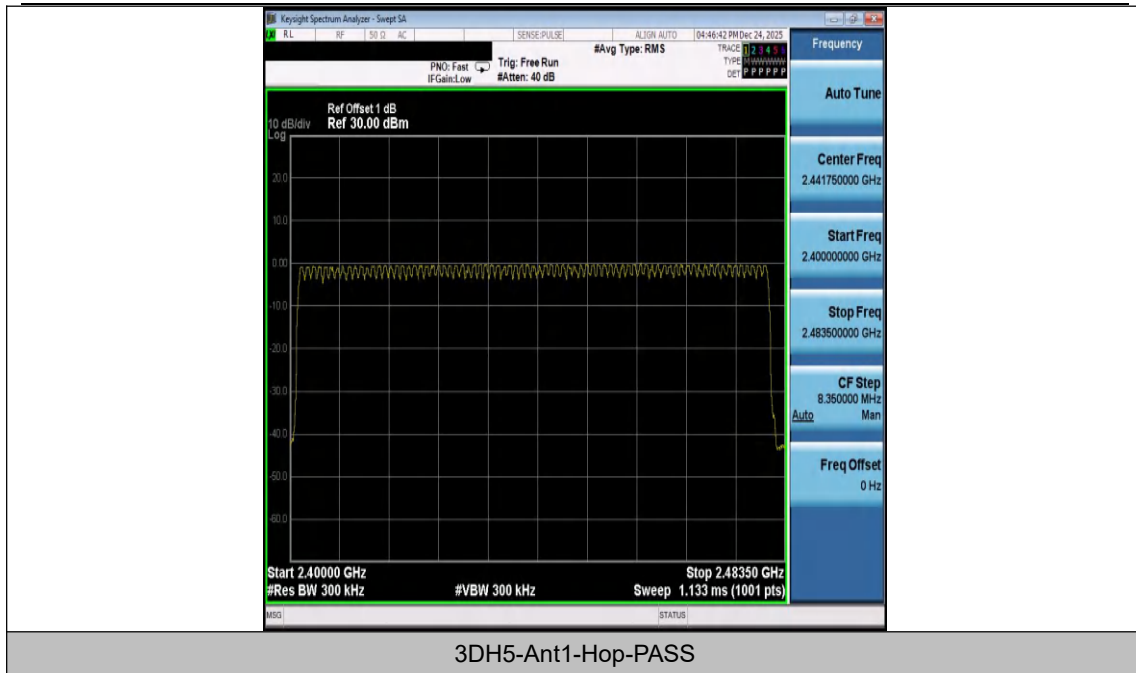
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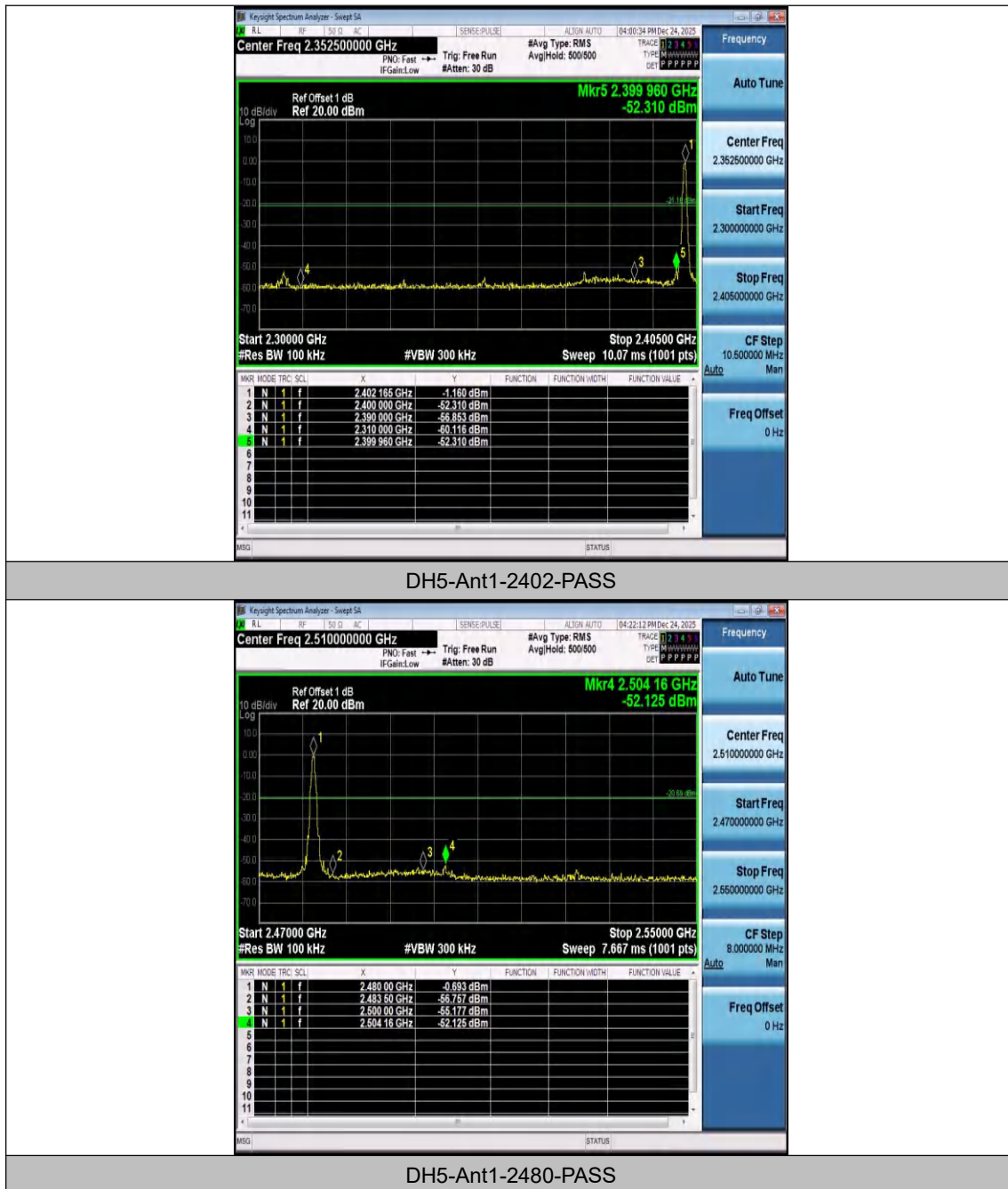
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.16	-52.31	≤-21.16	PASS
DH5	Ant1	High	2480	-0.69	-52.13	≤-20.69	PASS
DH5	Ant1	Low	Hop_2402	-1.08	-51.01	≤-21.08	PASS
DH5	Ant1	High	Hop_2480	-0.66	-48.42	≤-20.66	PASS
2DH5	Ant1	Low	2402	-0.99	-51.75	≤-20.99	PASS
2DH5	Ant1	High	2480	-0.60	-53.69	≤-20.6	PASS
2DH5	Ant1	Low	Hop_2402	-3.81	-51.88	≤-23.81	PASS
2DH5	Ant1	High	Hop_2480	-0.55	-46.29	≤-20.55	PASS
3DH5	Ant1	Low	2402	-0.92	-52.88	≤-20.92	PASS
3DH5	Ant1	High	2480	-0.55	-53.51	≤-20.55	PASS
3DH5	Ant1	Low	Hop_2402	-1.35	-52.92	≤-21.35	PASS
3DH5	Ant1	High	Hop_2480	-0.58	-49.43	≤-20.58	PASS

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

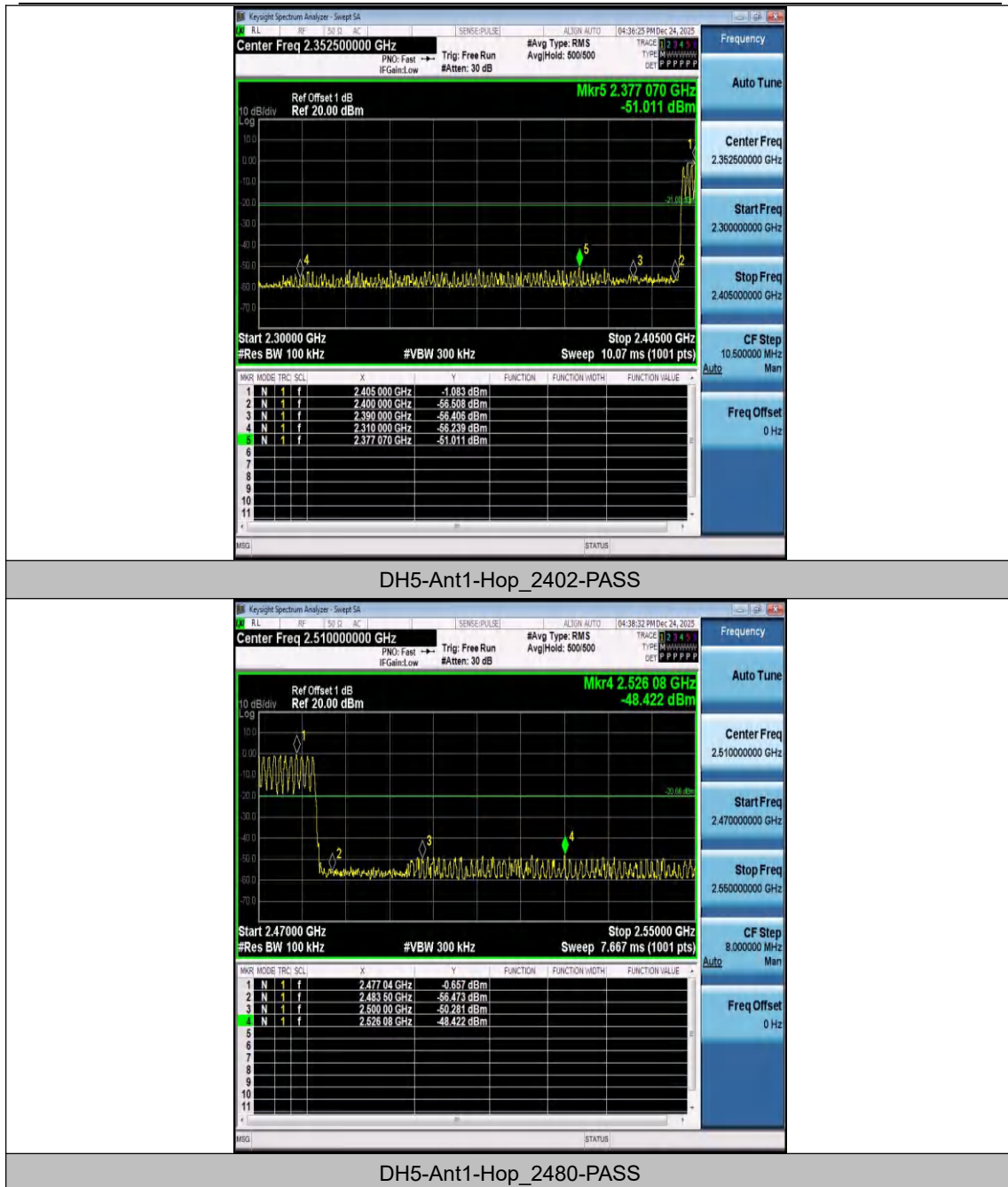
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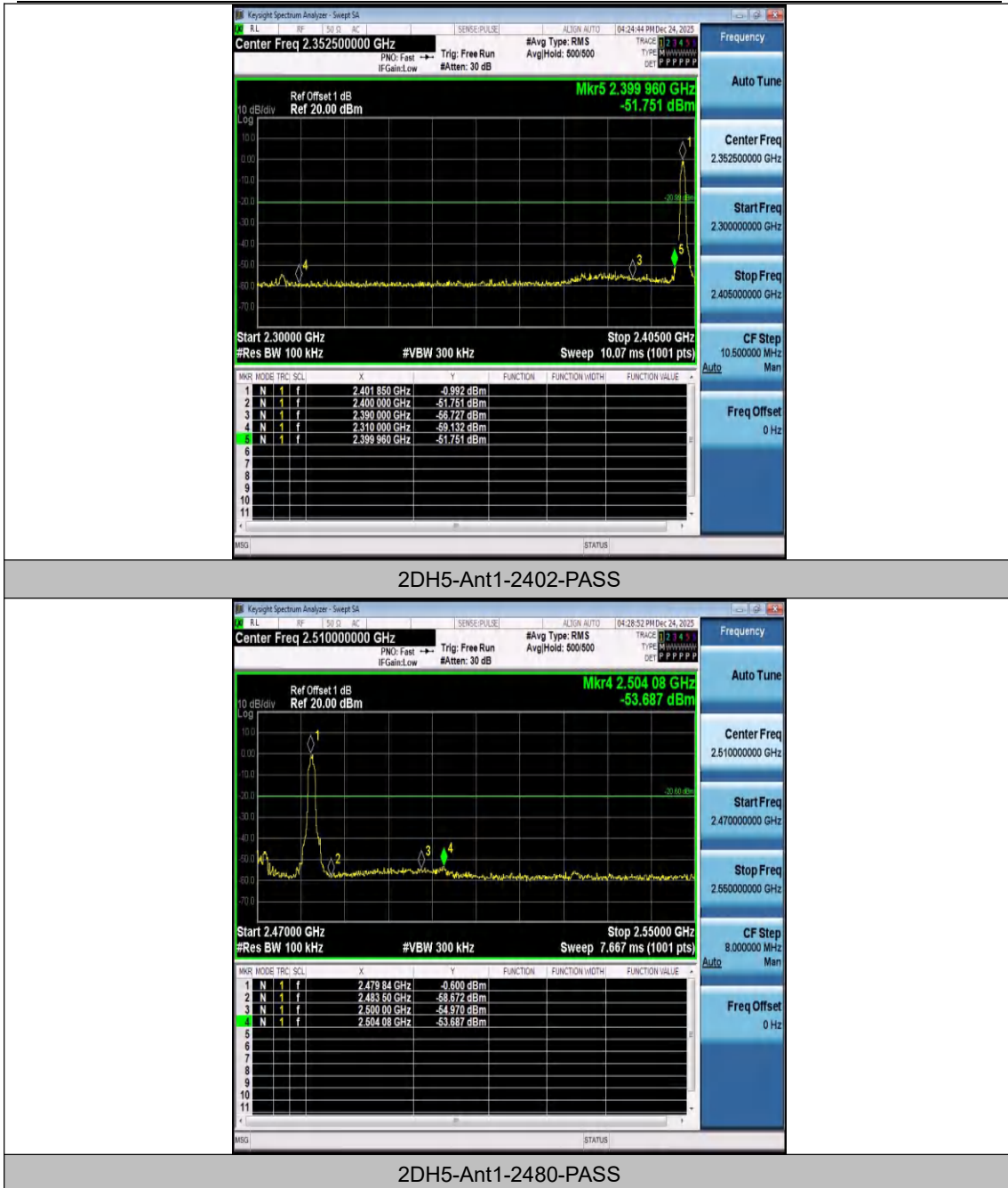


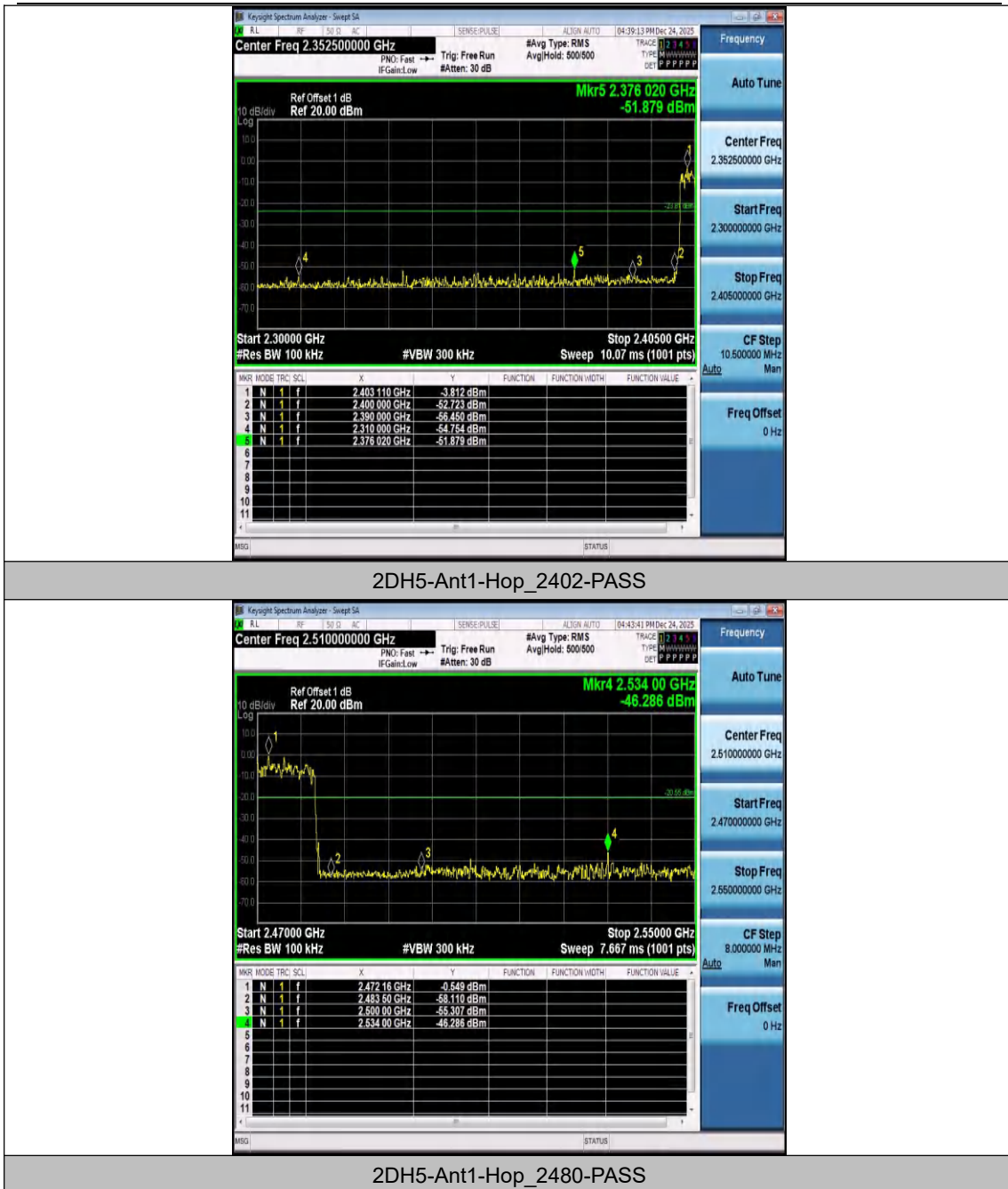
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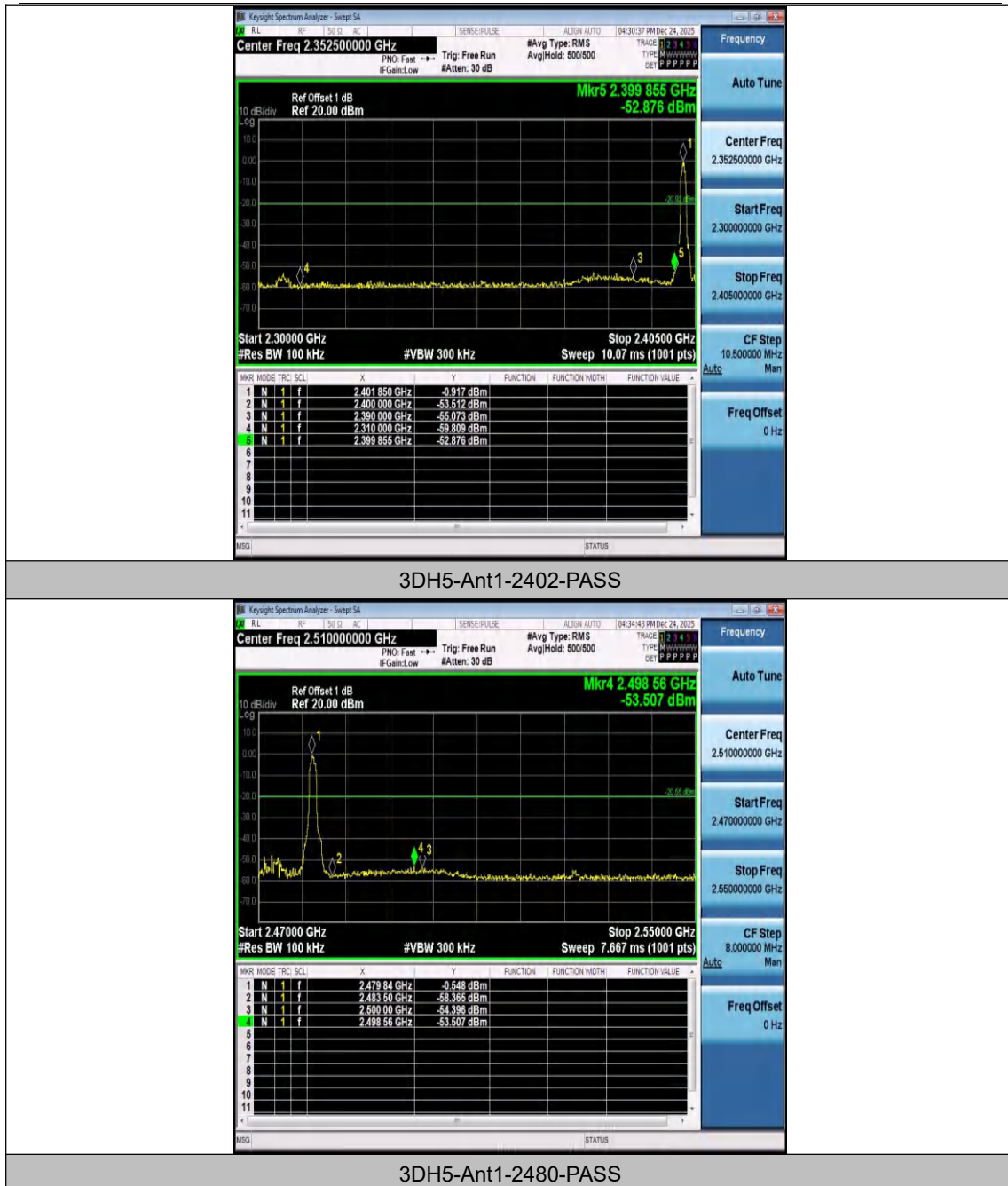
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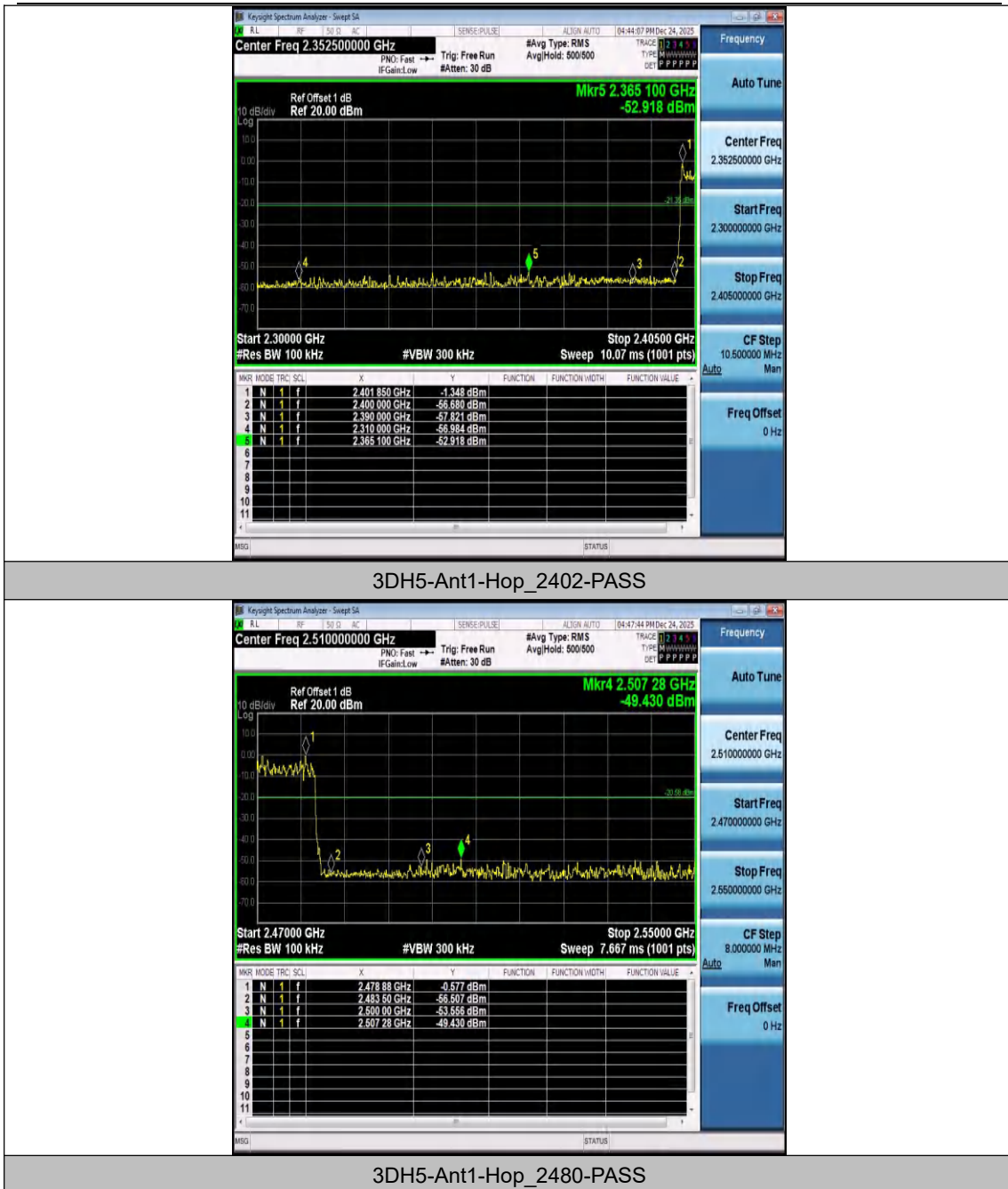
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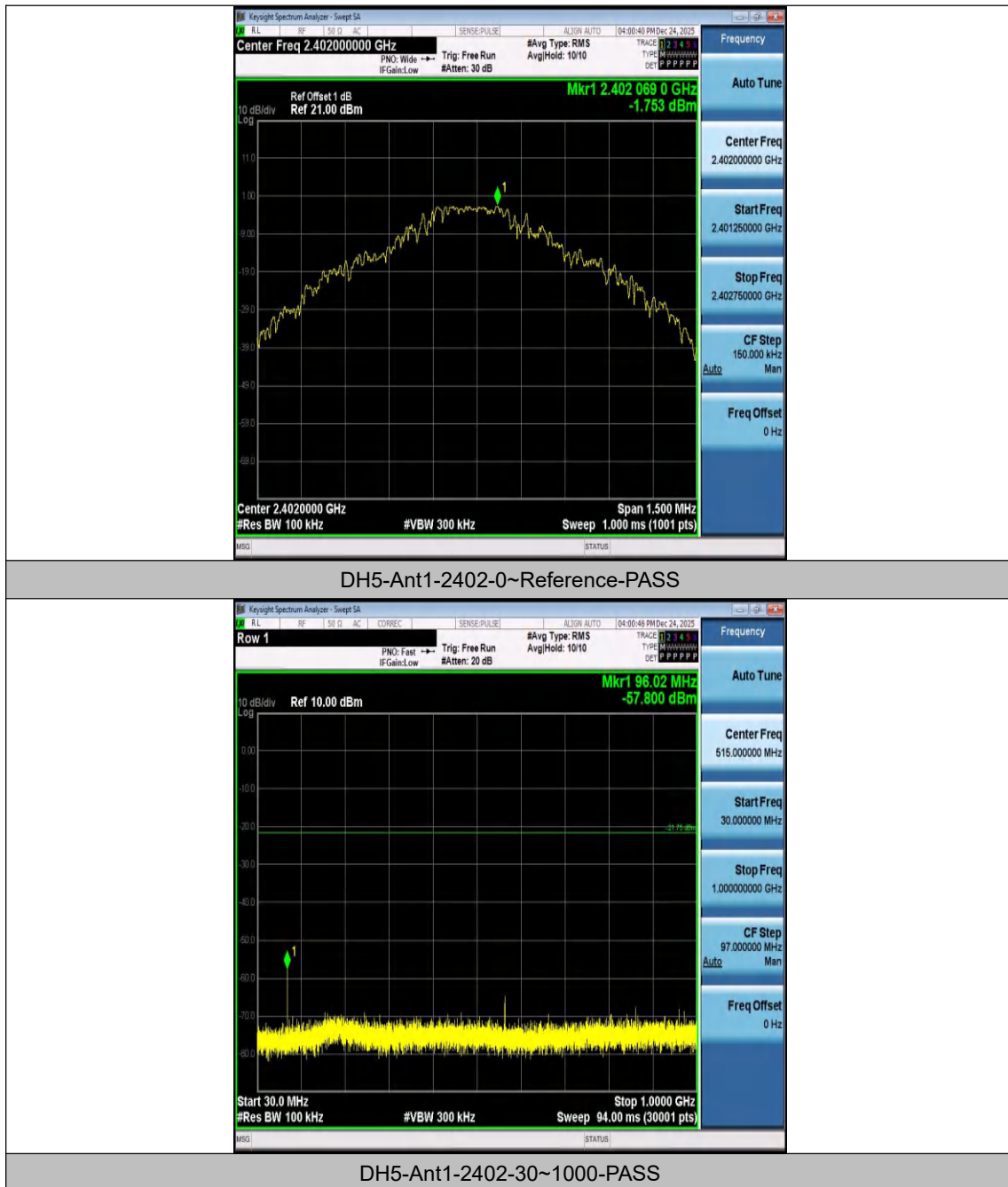
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.75	-1.75	---	PASS
DH5	Ant1	2402	30~1000	-1.75	-57.8	≤-21.75	PASS
DH5	Ant1	2402	1000~26500	-1.75	-36.91	≤-21.75	PASS
DH5	Ant1	2441	0~Reference	-3.85	-3.85	---	PASS
DH5	Ant1	2441	30~1000	-3.85	-62.93	≤-23.85	PASS
DH5	Ant1	2441	1000~26500	-3.85	-36.97	≤-23.85	PASS
DH5	Ant1	2480	0~Reference	-0.71	-0.71	---	PASS
DH5	Ant1	2480	30~1000	-0.71	-65.36	≤-20.71	PASS
DH5	Ant1	2480	1000~26500	-0.71	-37.17	≤-20.71	PASS
2DH5	Ant1	2402	0~Reference	-3.81	-3.81	---	PASS
2DH5	Ant1	2402	30~1000	-3.81	-56.53	≤-23.81	PASS
2DH5	Ant1	2402	1000~26500	-3.81	-36.74	≤-23.81	PASS
2DH5	Ant1	2441	0~Reference	-4.85	-4.85	---	PASS
2DH5	Ant1	2441	30~1000	-4.85	-65.82	≤-24.85	PASS
2DH5	Ant1	2441	1000~26500	-4.85	-36.93	≤-24.85	PASS
2DH5	Ant1	2480	0~Reference	-4.50	-4.50	---	PASS
2DH5	Ant1	2480	30~1000	-4.50	-64.6	≤-24.5	PASS
2DH5	Ant1	2480	1000~26500	-4.50	-36.68	≤-24.5	PASS
3DH5	Ant1	2402	0~Reference	-2.17	-2.17	---	PASS
3DH5	Ant1	2402	30~1000	-2.17	-66.01	≤-22.17	PASS
3DH5	Ant1	2402	1000~26500	-2.17	-37.24	≤-22.17	PASS
3DH5	Ant1	2441	0~Reference	-3.89	-3.89	---	PASS
3DH5	Ant1	2441	30~1000	-3.89	-66.35	≤-23.89	PASS
3DH5	Ant1	2441	1000~26500	-3.89	-36.67	≤-23.89	PASS
3DH5	Ant1	2480	0~Reference	-2.14	-2.14	---	PASS
3DH5	Ant1	2480	30~1000	-2.14	-65.63	≤-22.14	PASS
3DH5	Ant1	2480	1000~26500	-2.14	-35.8	≤-22.14	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.

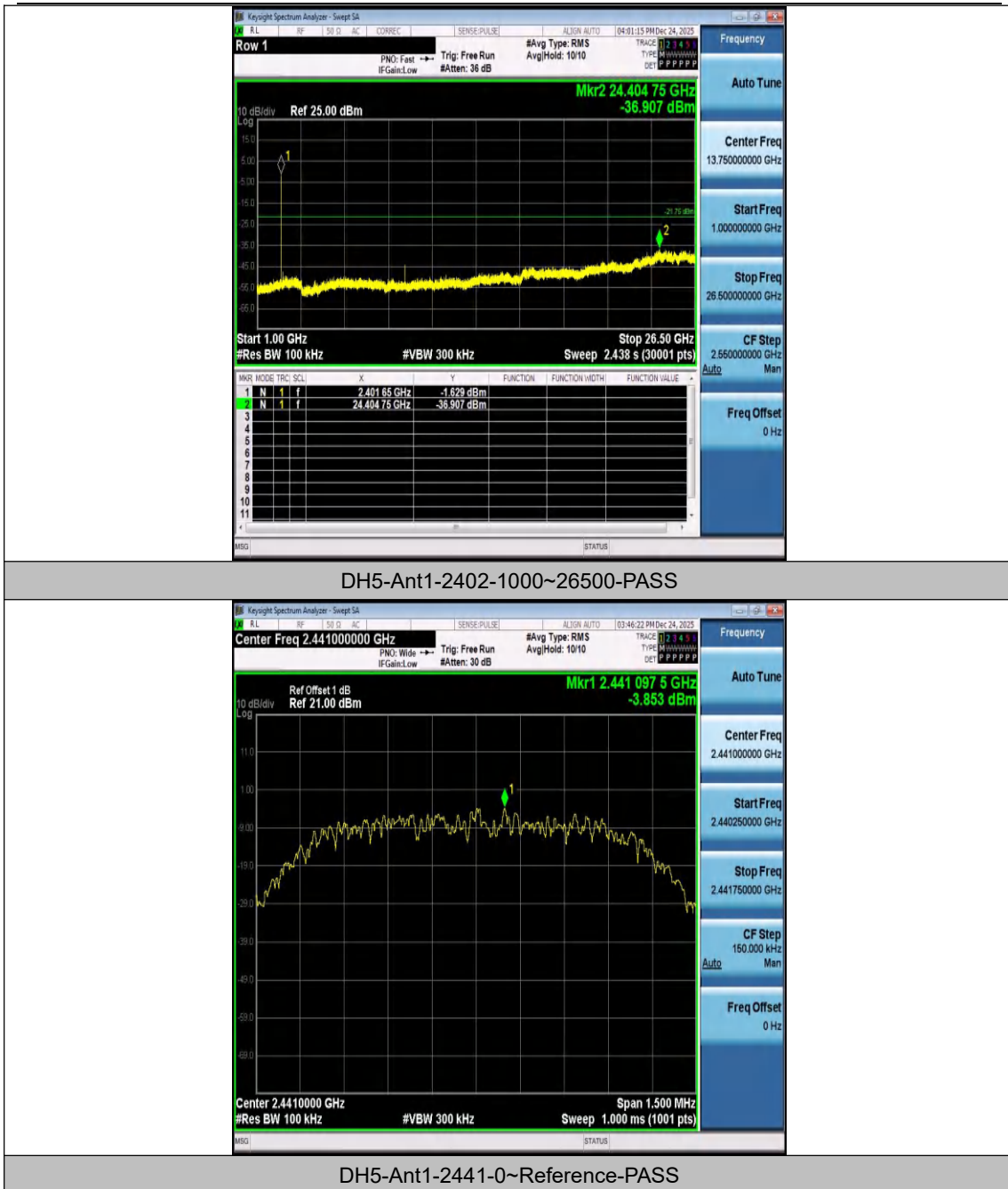
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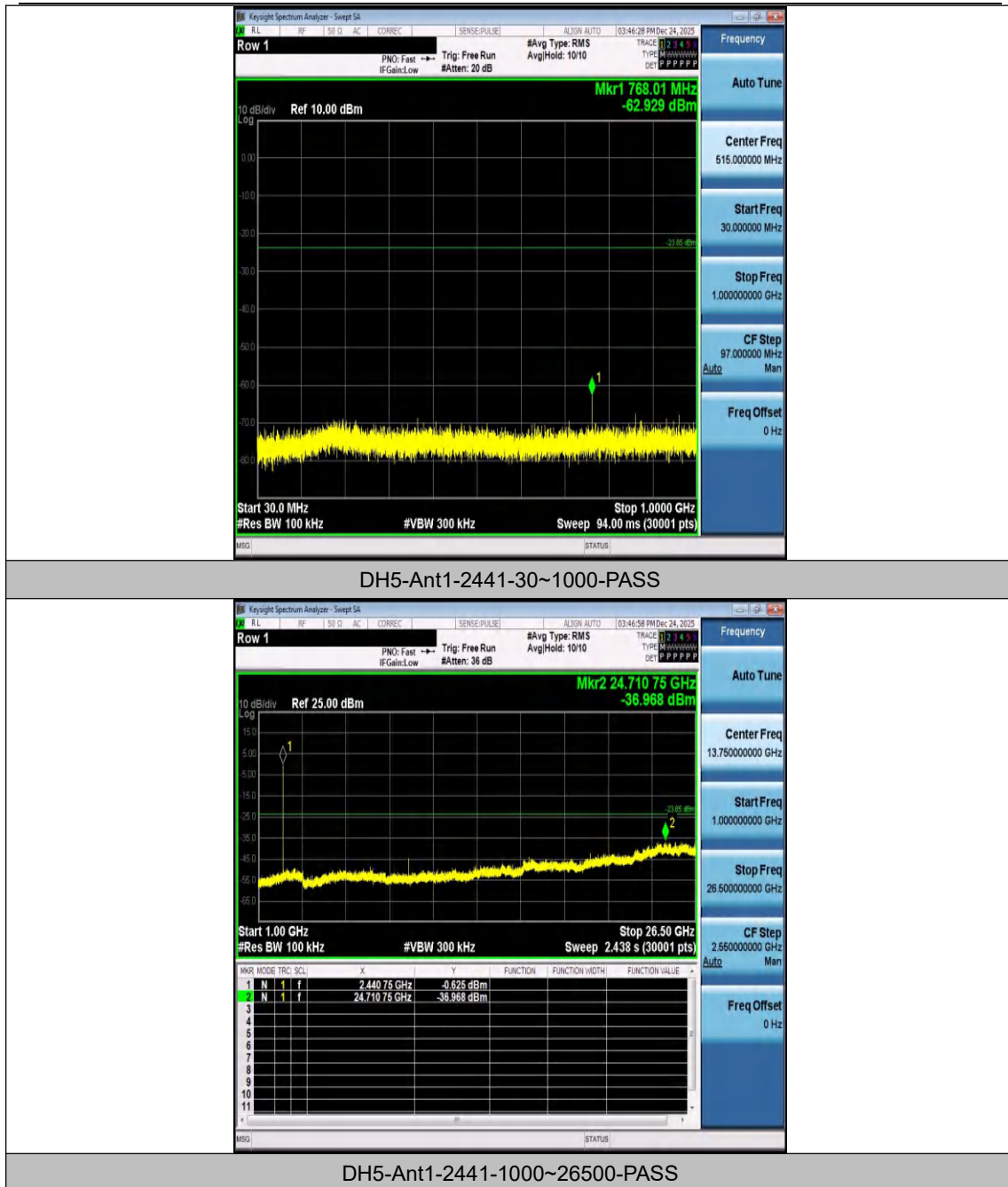
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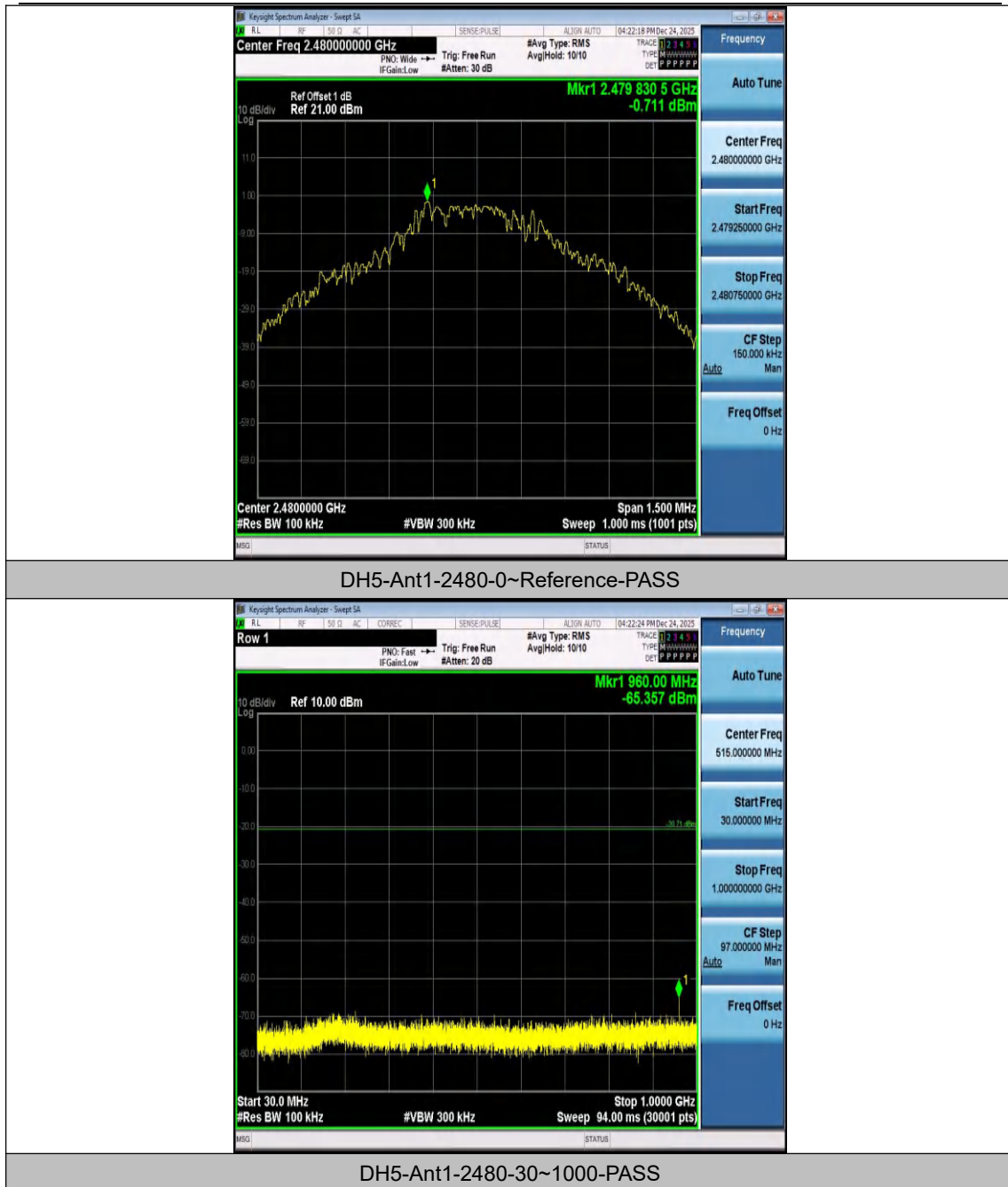
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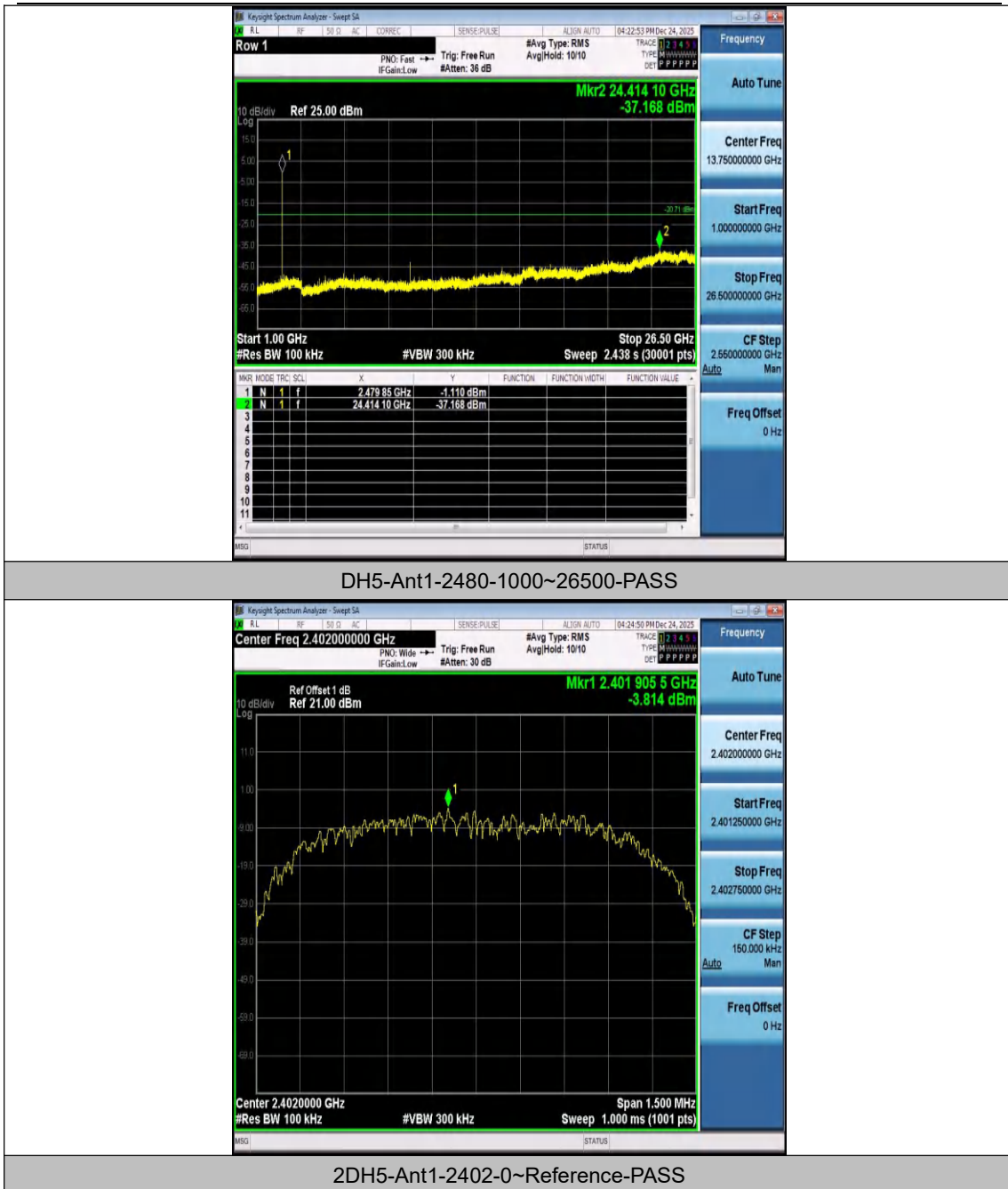
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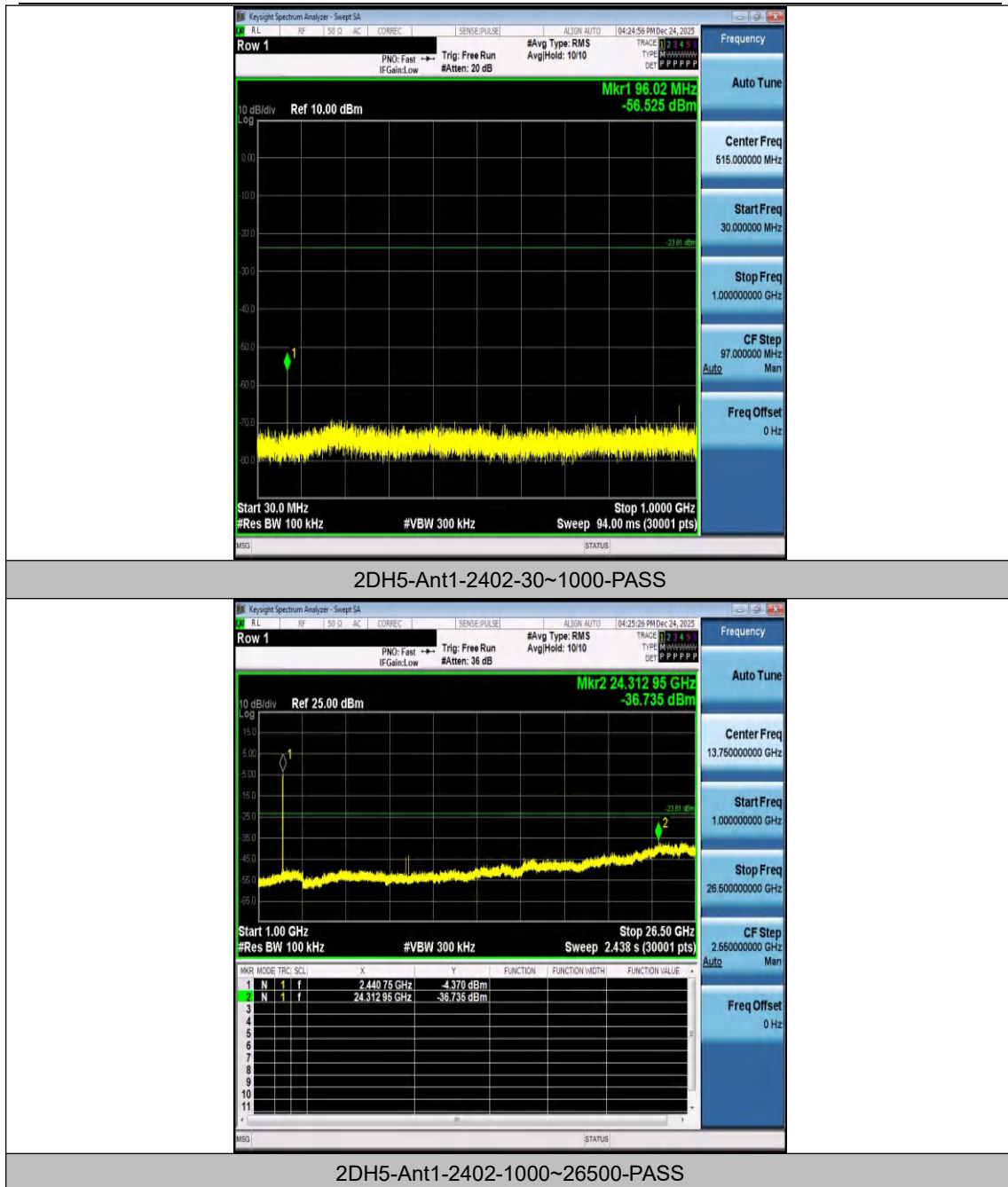
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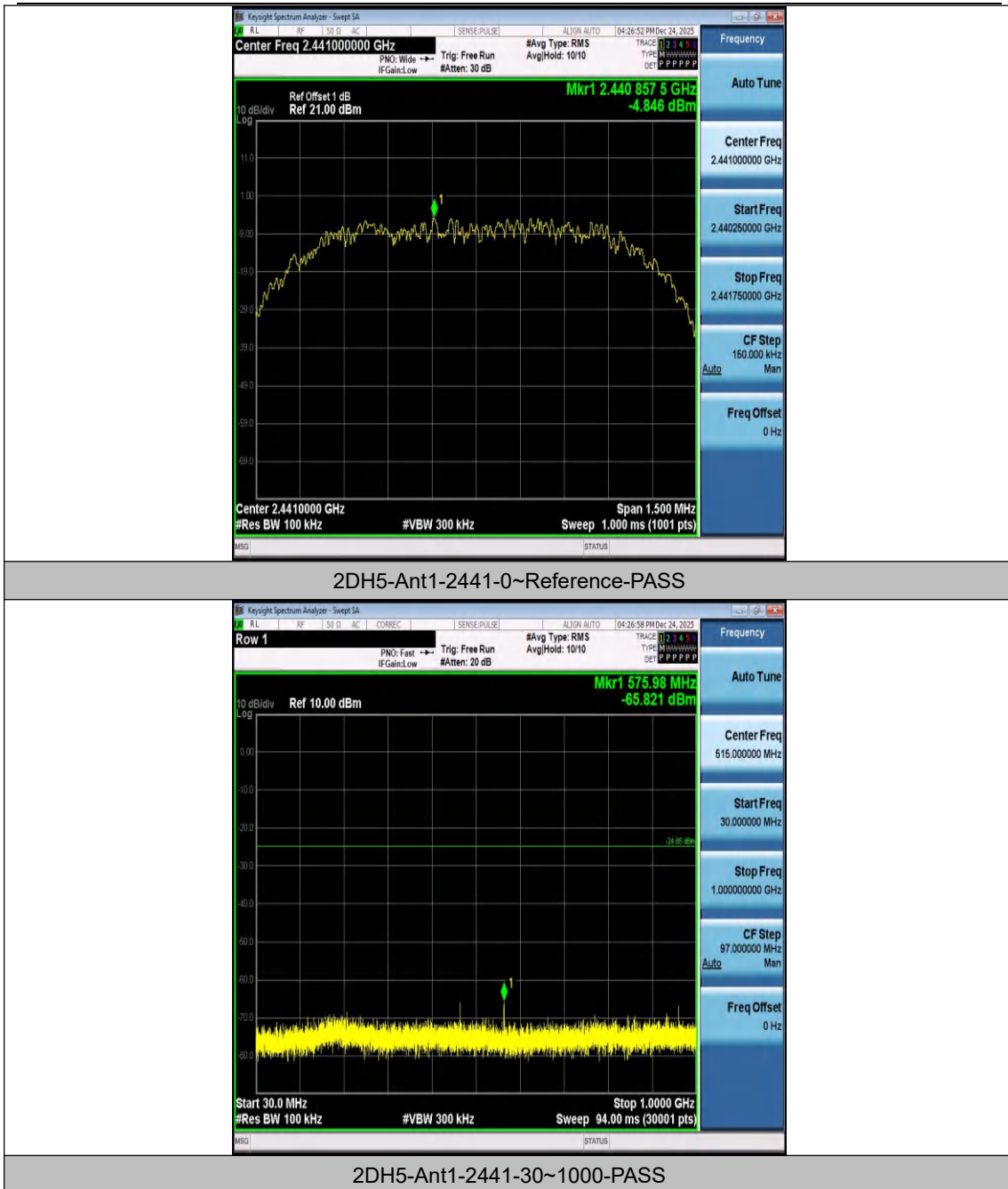
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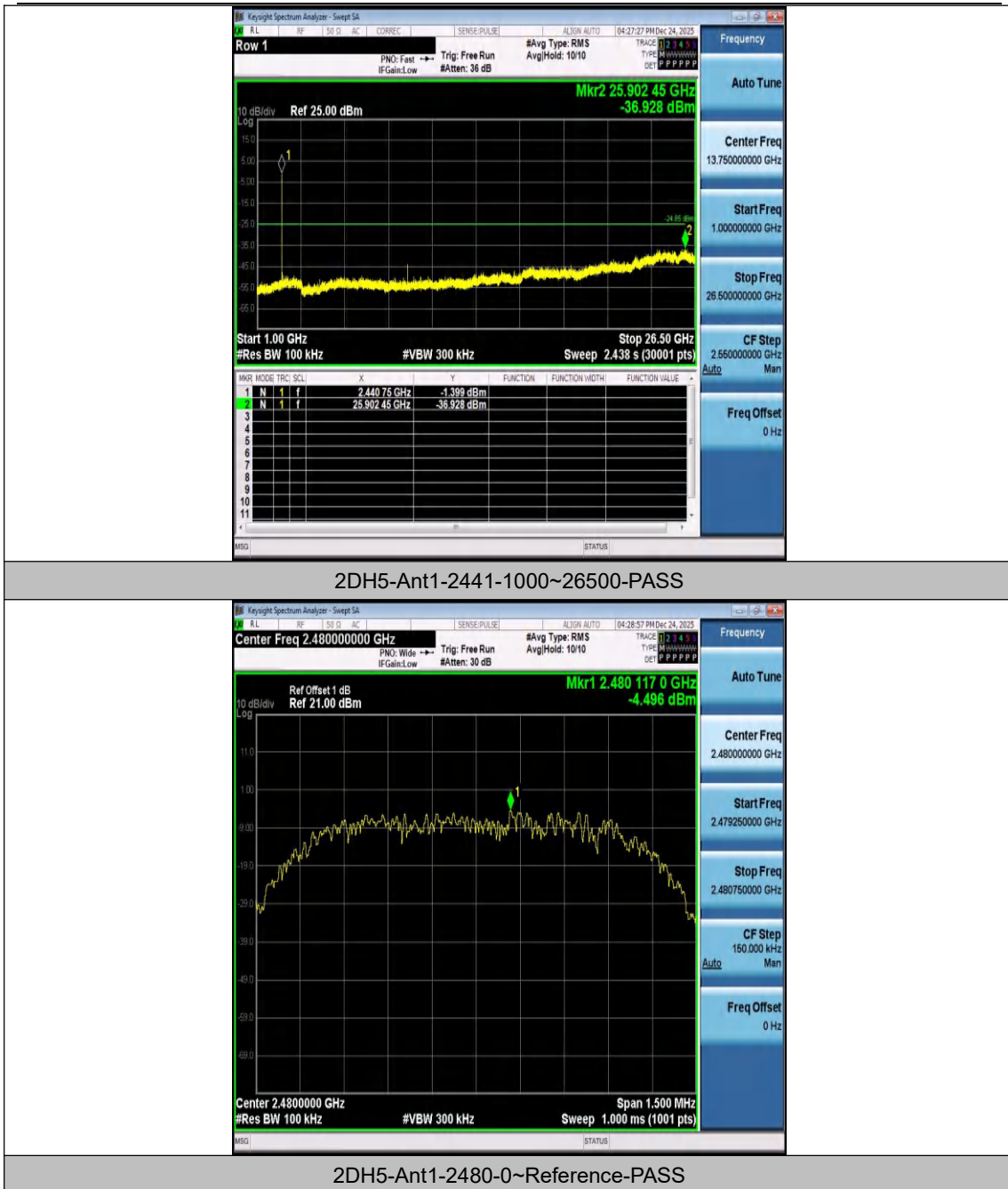
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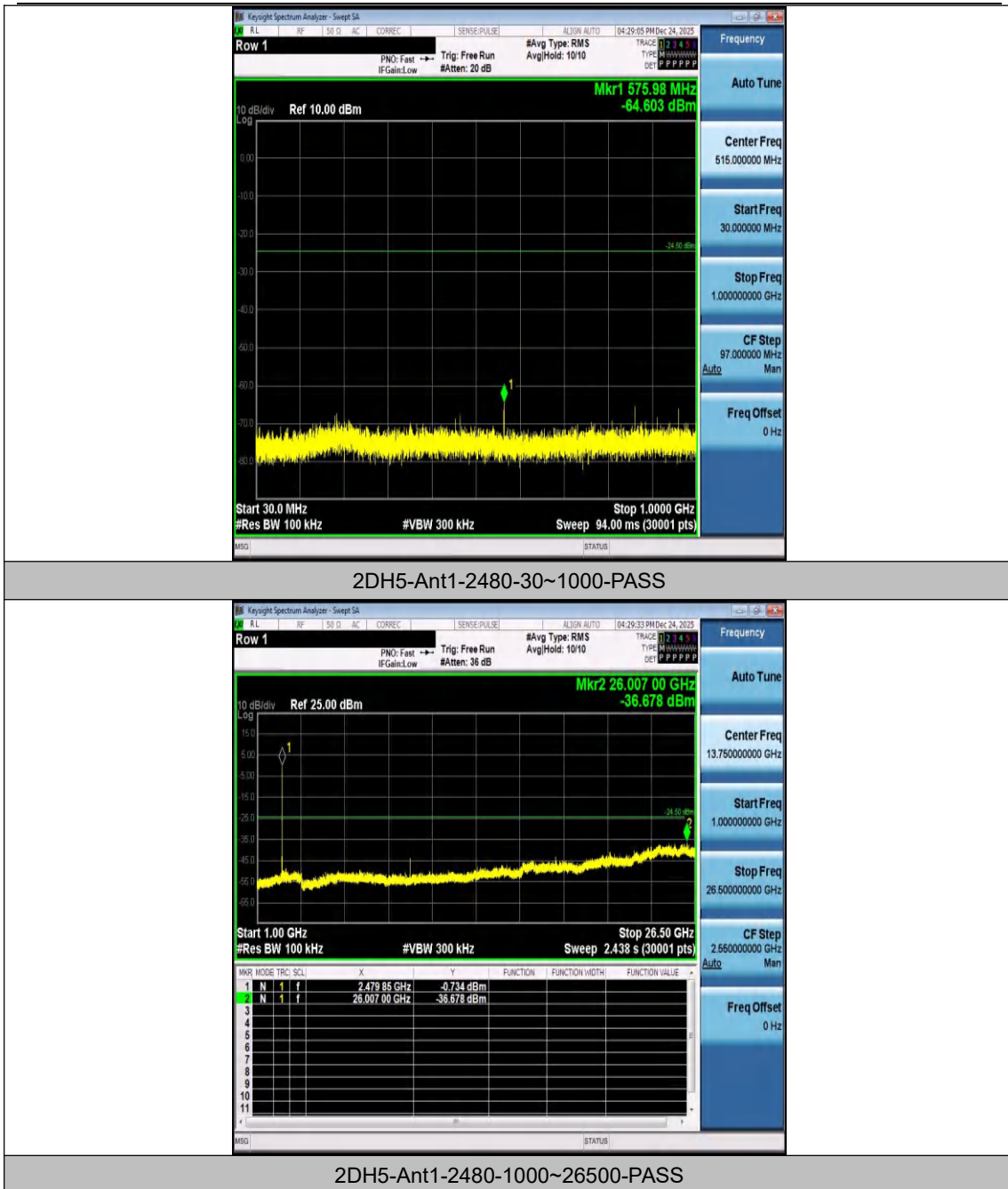
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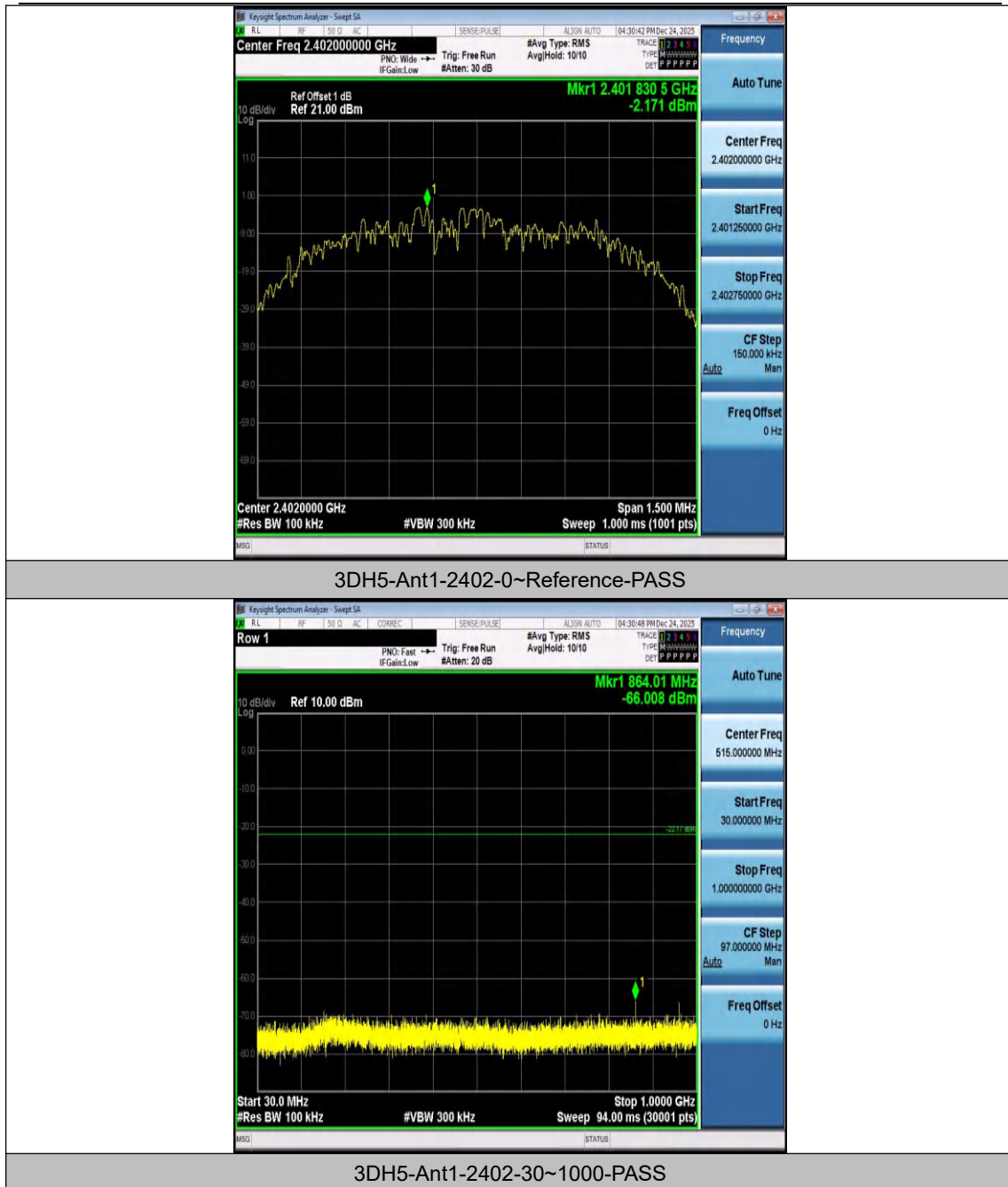
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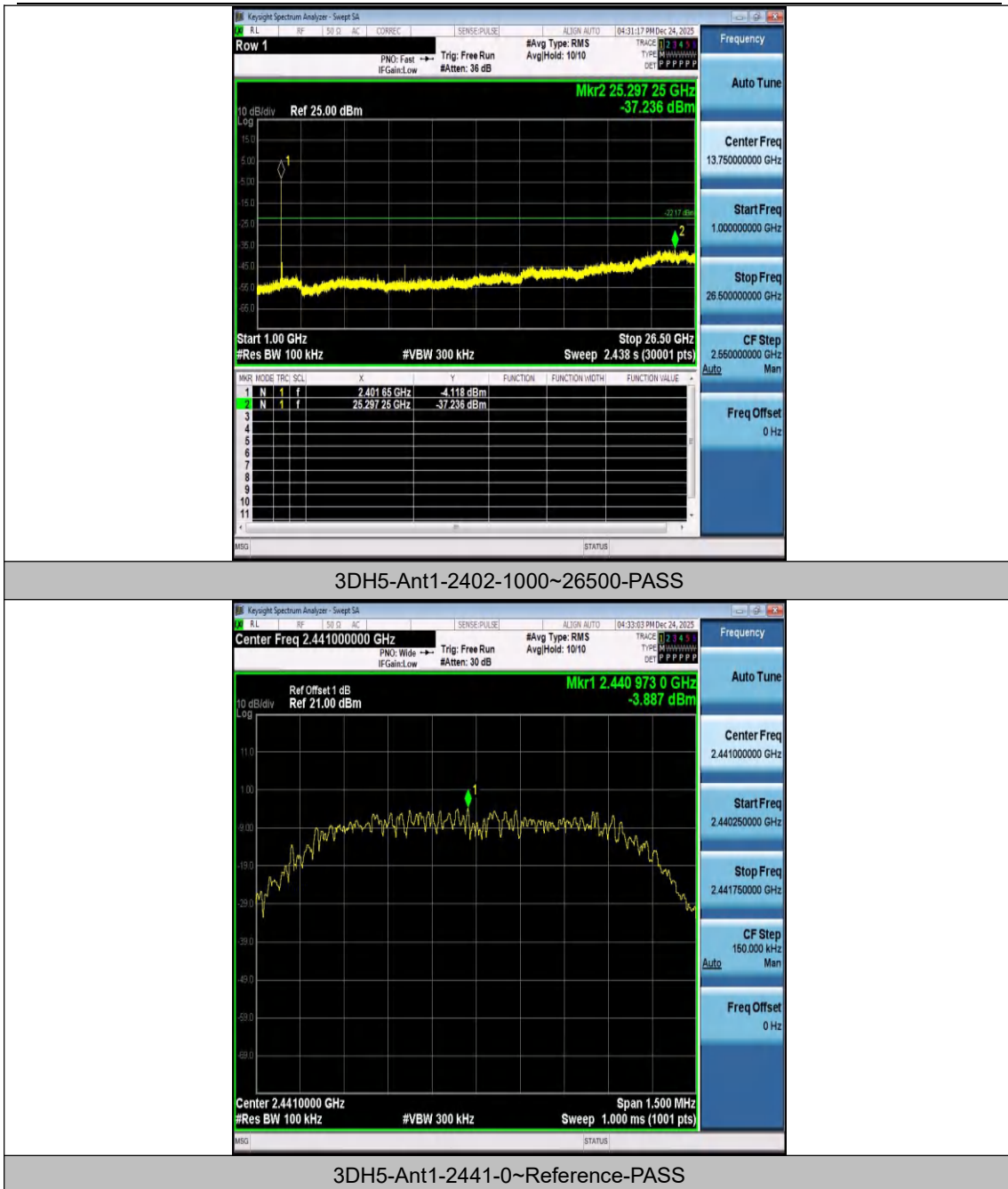
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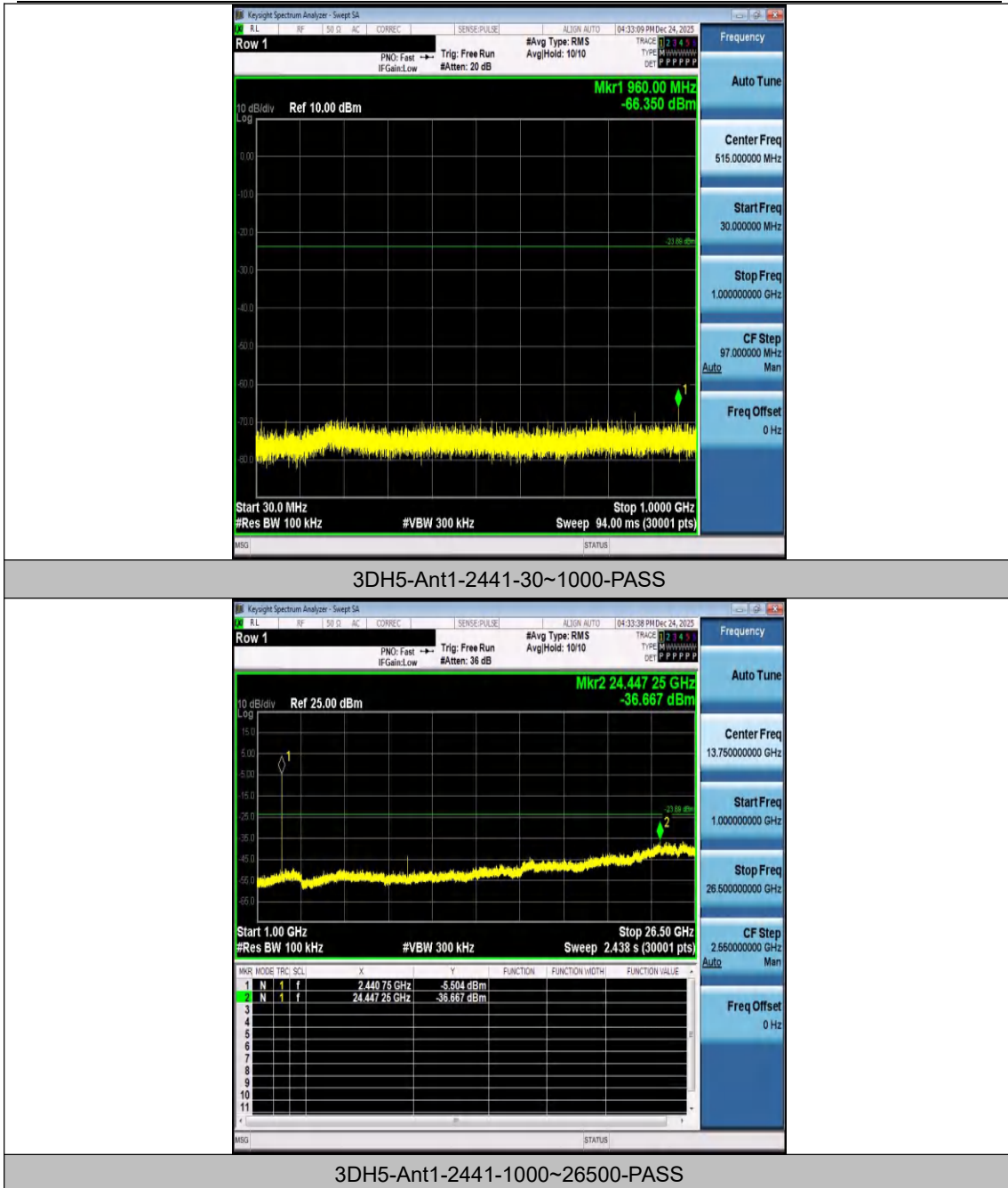
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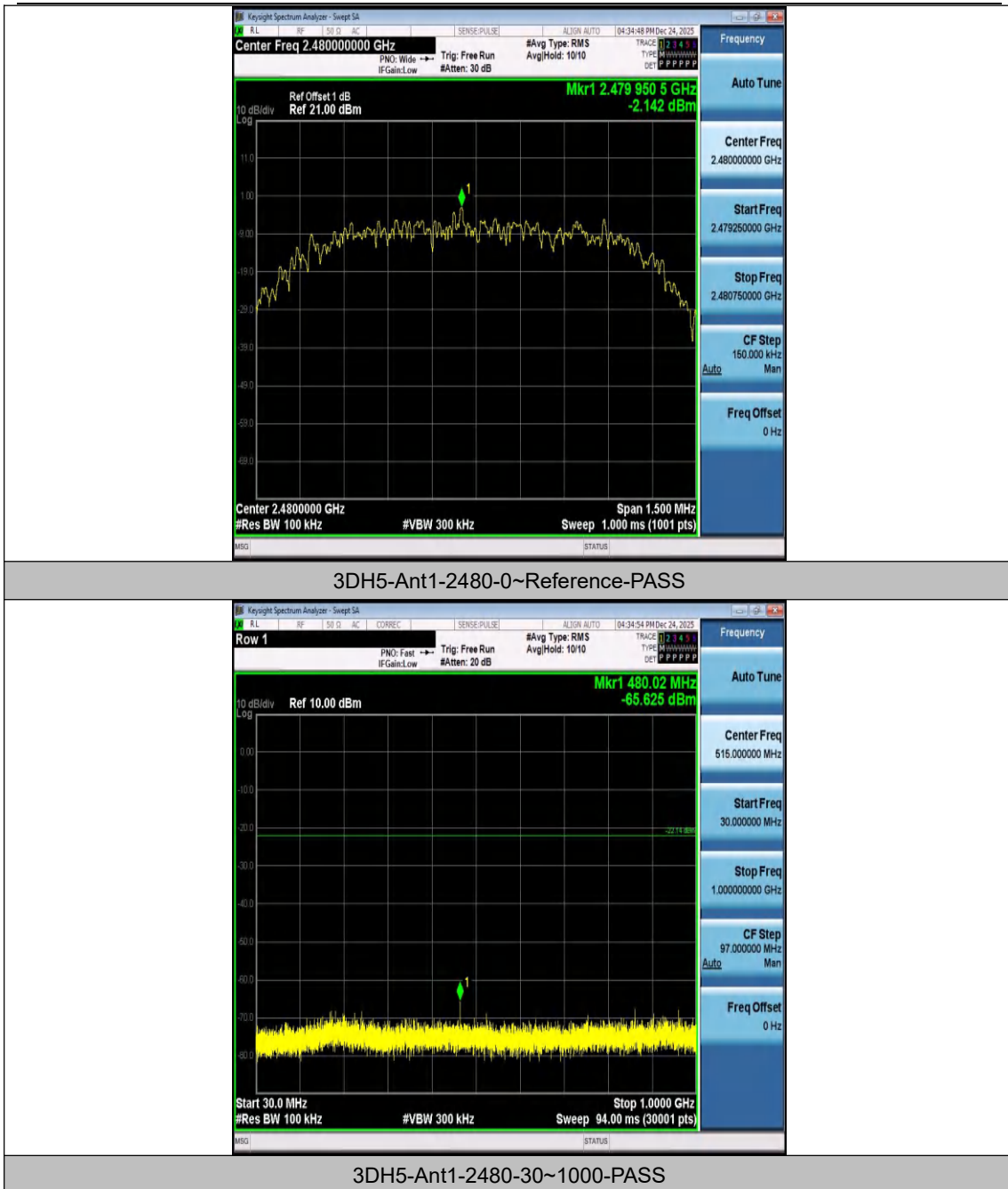
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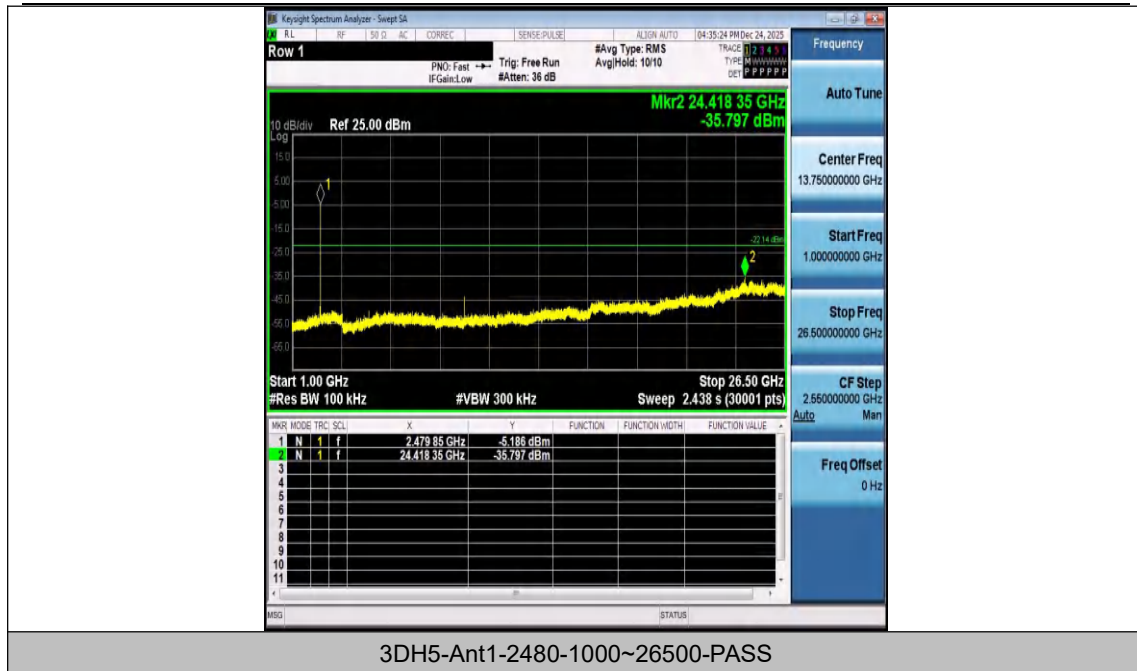
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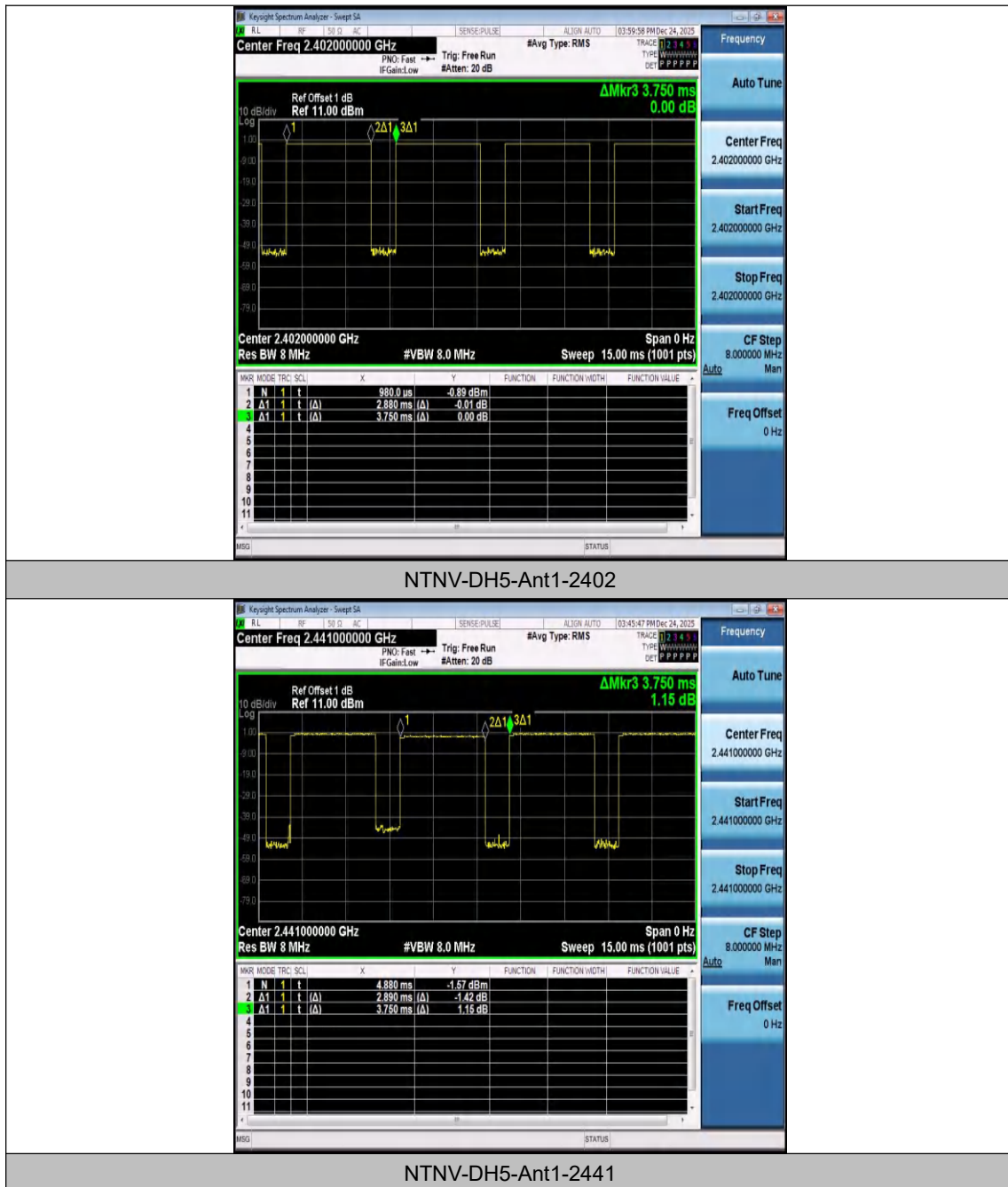
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.89	3.75	77.07	1.13
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	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

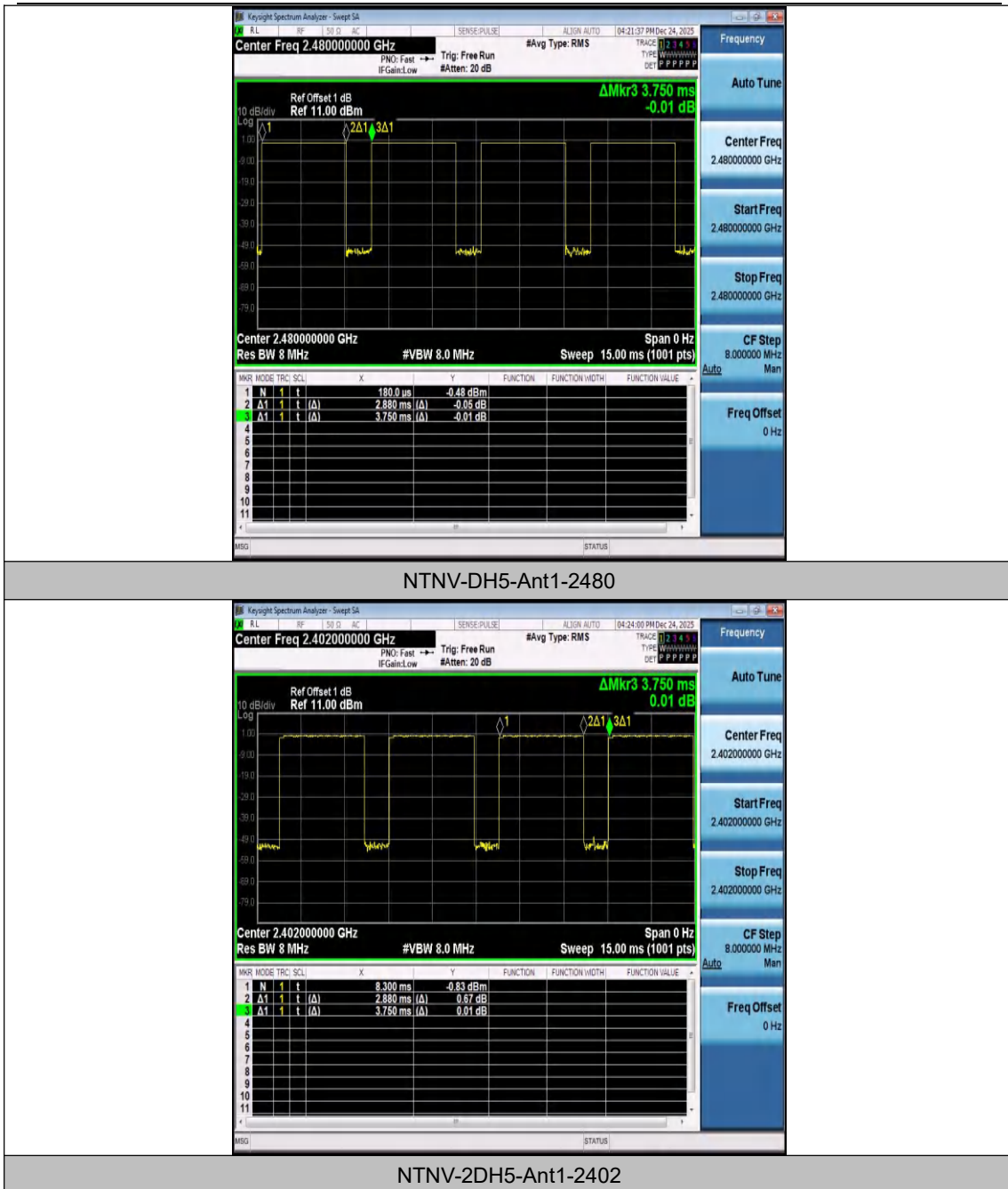
Test Graphs



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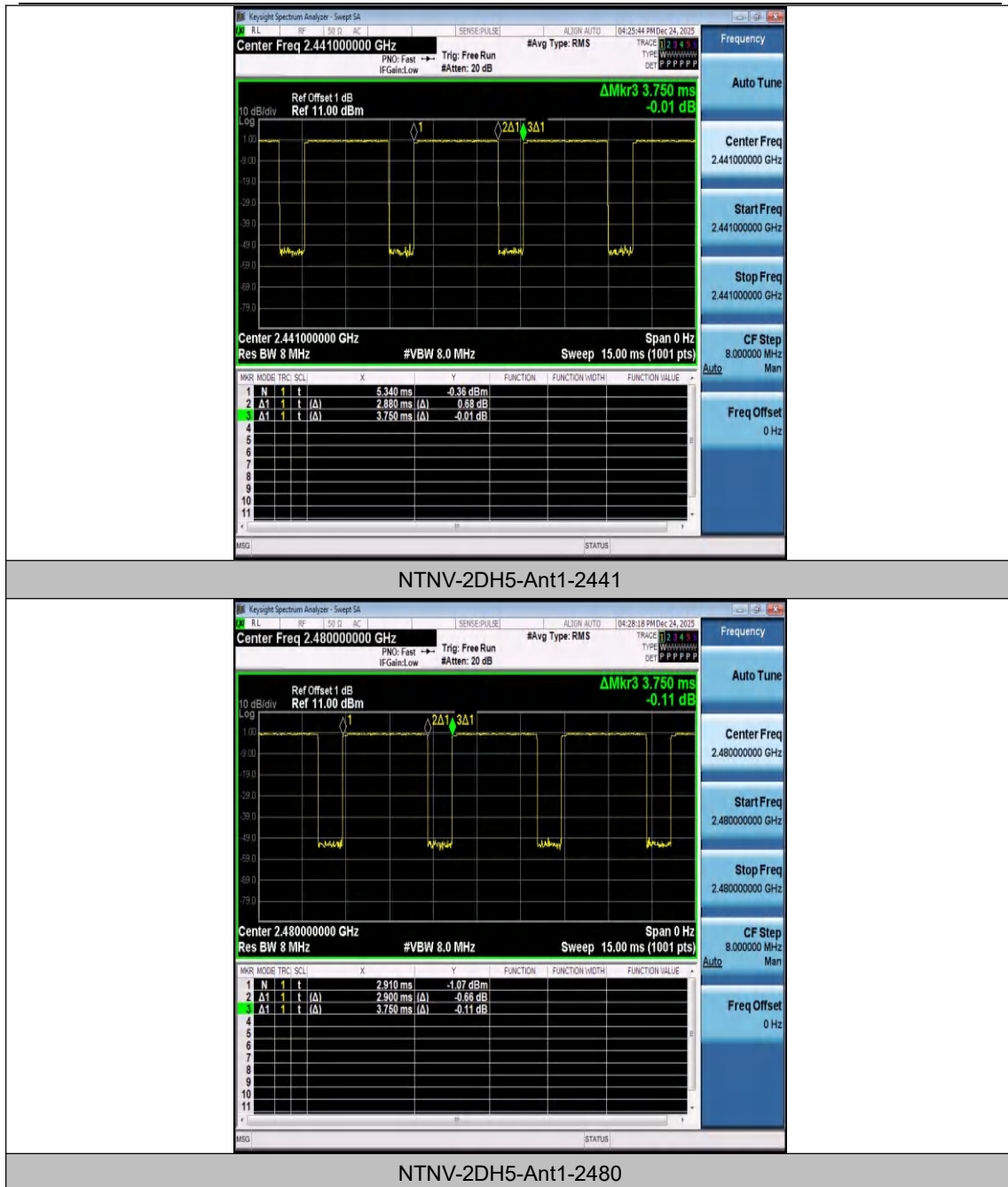
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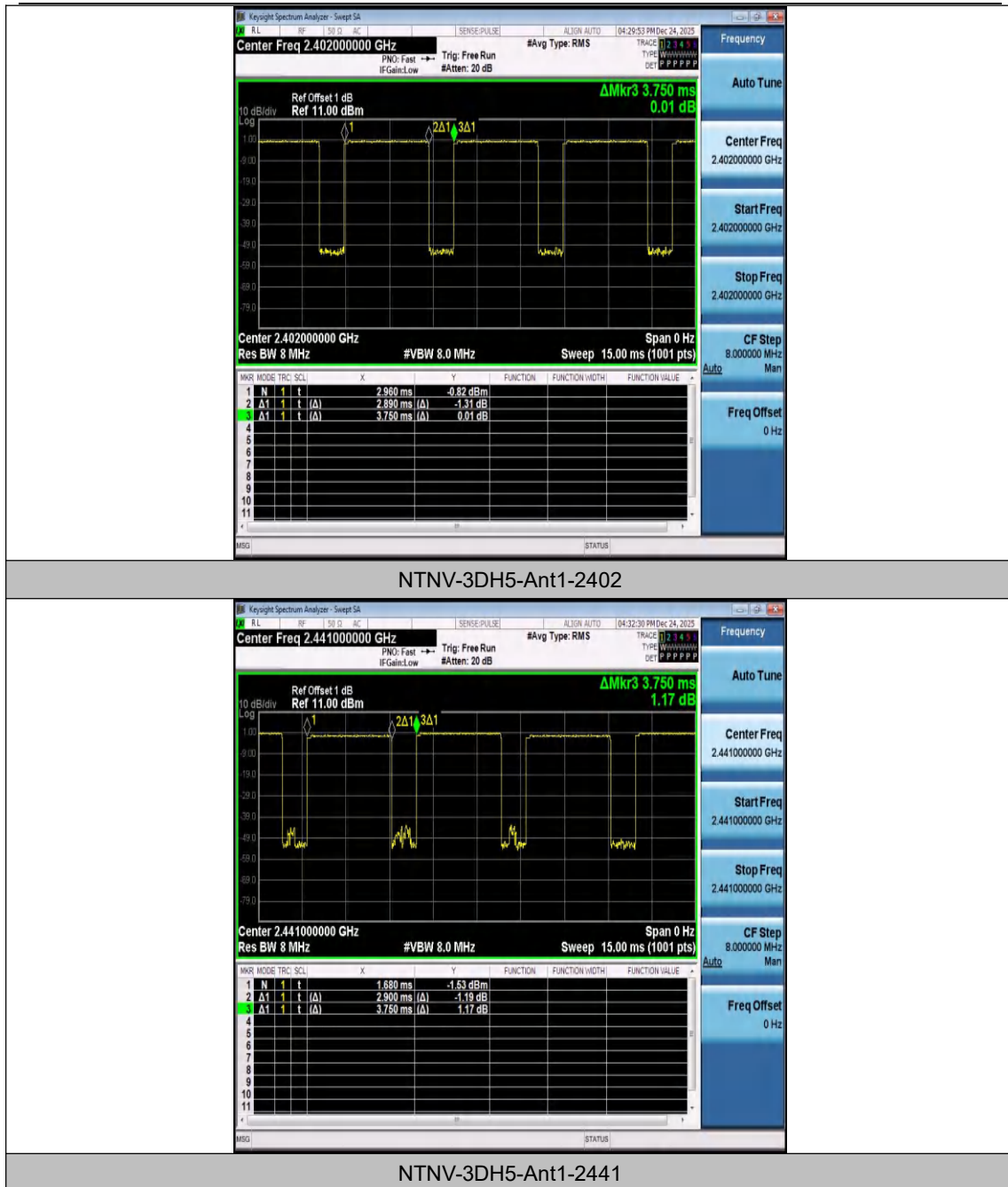
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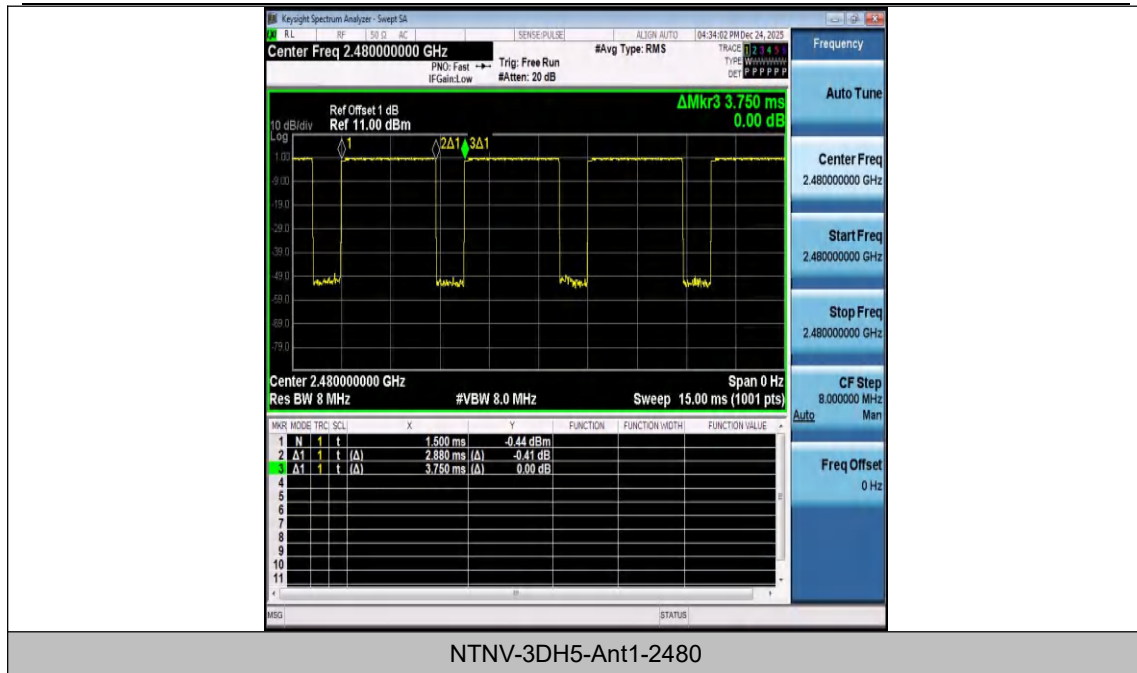
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NTNV-3DH5-Ant1-2480

---End---