

Appendix Test Data

Report No.:	1812C50449412501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-09	Finish Test Date:	2025-09-09
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.5°C	Relative Humidity:	58%
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	0.954	2401.487	2402.441	---	---
DH5	Ant1	2441	0.954	2440.490	2441.444	---	---
DH5	Ant1	2480	0.954	2479.490	2480.444	---	---
2DH5	Ant1	2402	1.278	2401.325	2402.603	---	---
2DH5	Ant1	2441	1.281	2440.322	2441.603	---	---
2DH5	Ant1	2480	1.317	2479.292	2480.609	---	---
3DH5	Ant1	2402	1.287	2401.310	2402.597	---	---
3DH5	Ant1	2441	1.290	2440.313	2441.603	---	---
3DH5	Ant1	2480	1.275	2479.322	2480.597	---	---

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	0.85916	2401.5217	2402.3808	---	---
DH5	Ant1	2441	0.86662	2440.5187	2441.3854	---	---
DH5	Ant1	2480	0.85695	2479.5220	2480.3789	---	---
2DH5	Ant1	2402	1.1731	2401.3662	2402.5393	---	---
2DH5	Ant1	2441	1.1778	2440.3640	2441.5418	---	---
2DH5	Ant1	2480	1.1705	2479.3657	2480.5362	---	---
3DH5	Ant1	2402	1.1705	2401.3764	2402.5469	---	---
3DH5	Ant1	2441	1.1871	2440.3620	2441.5491	---	---
3DH5	Ant1	2480	1.1730	2479.3718	2480.5448	---	---

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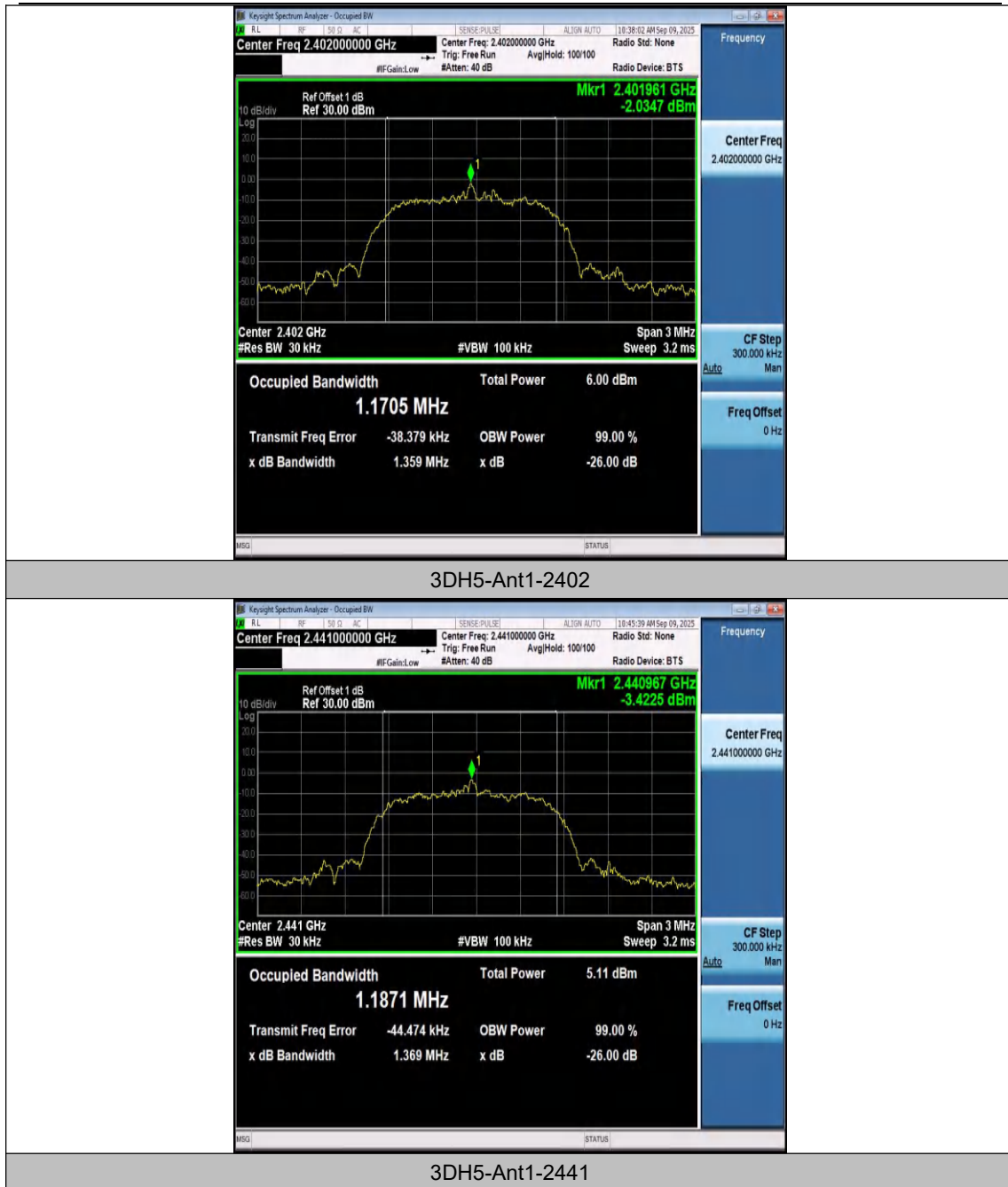


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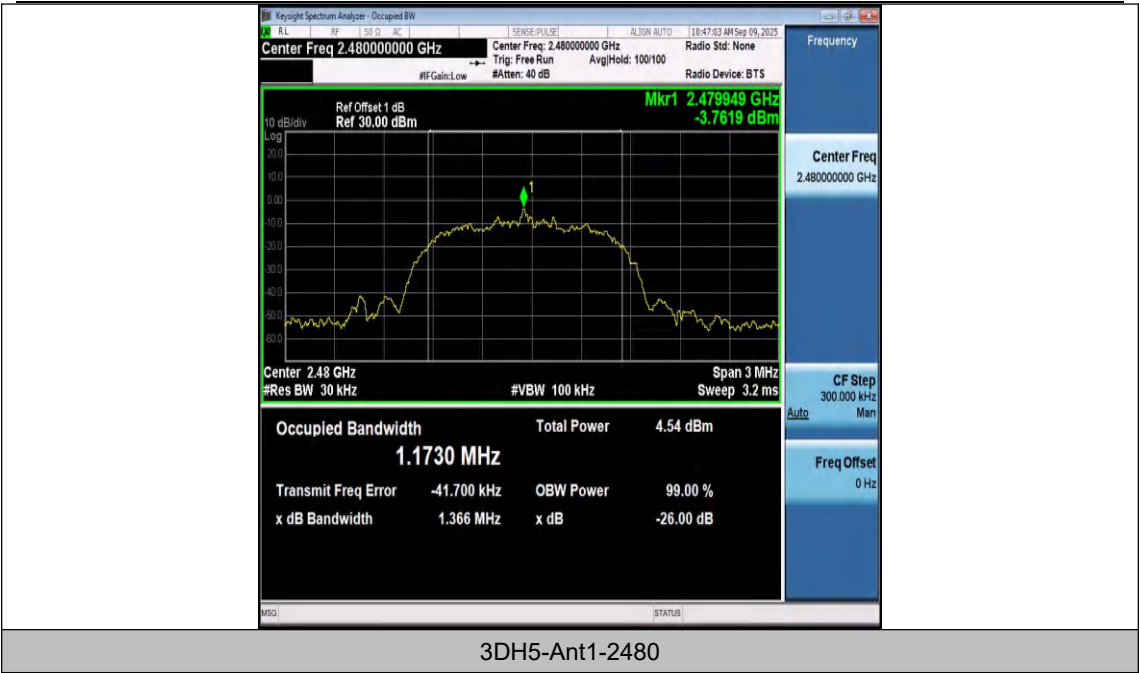




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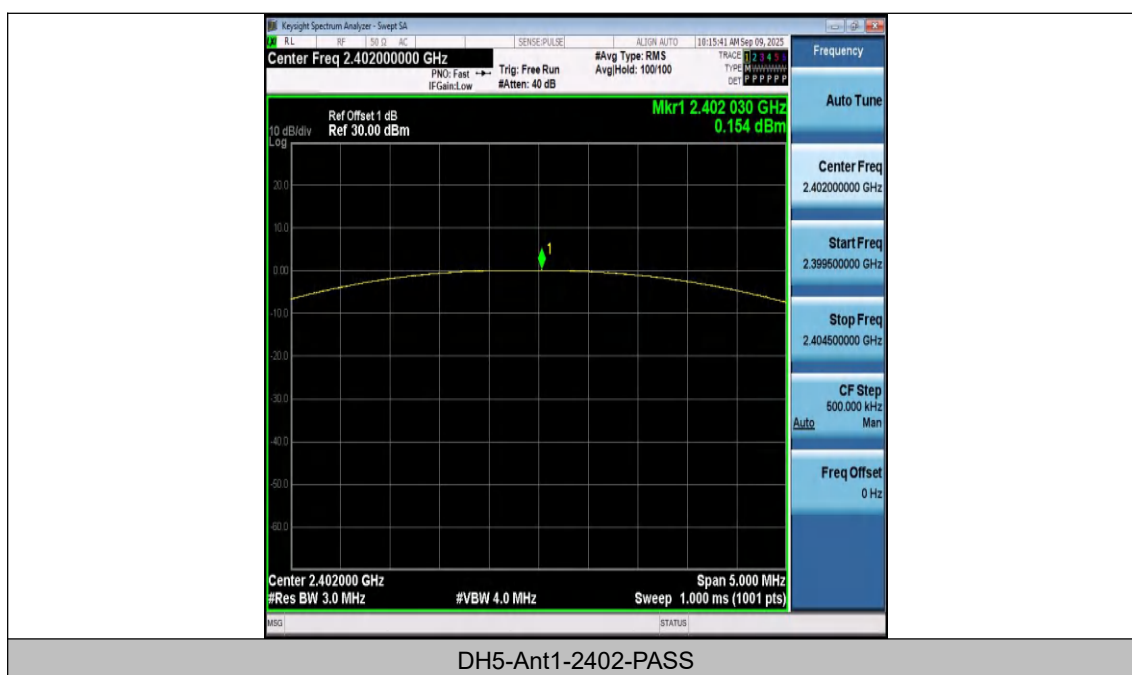
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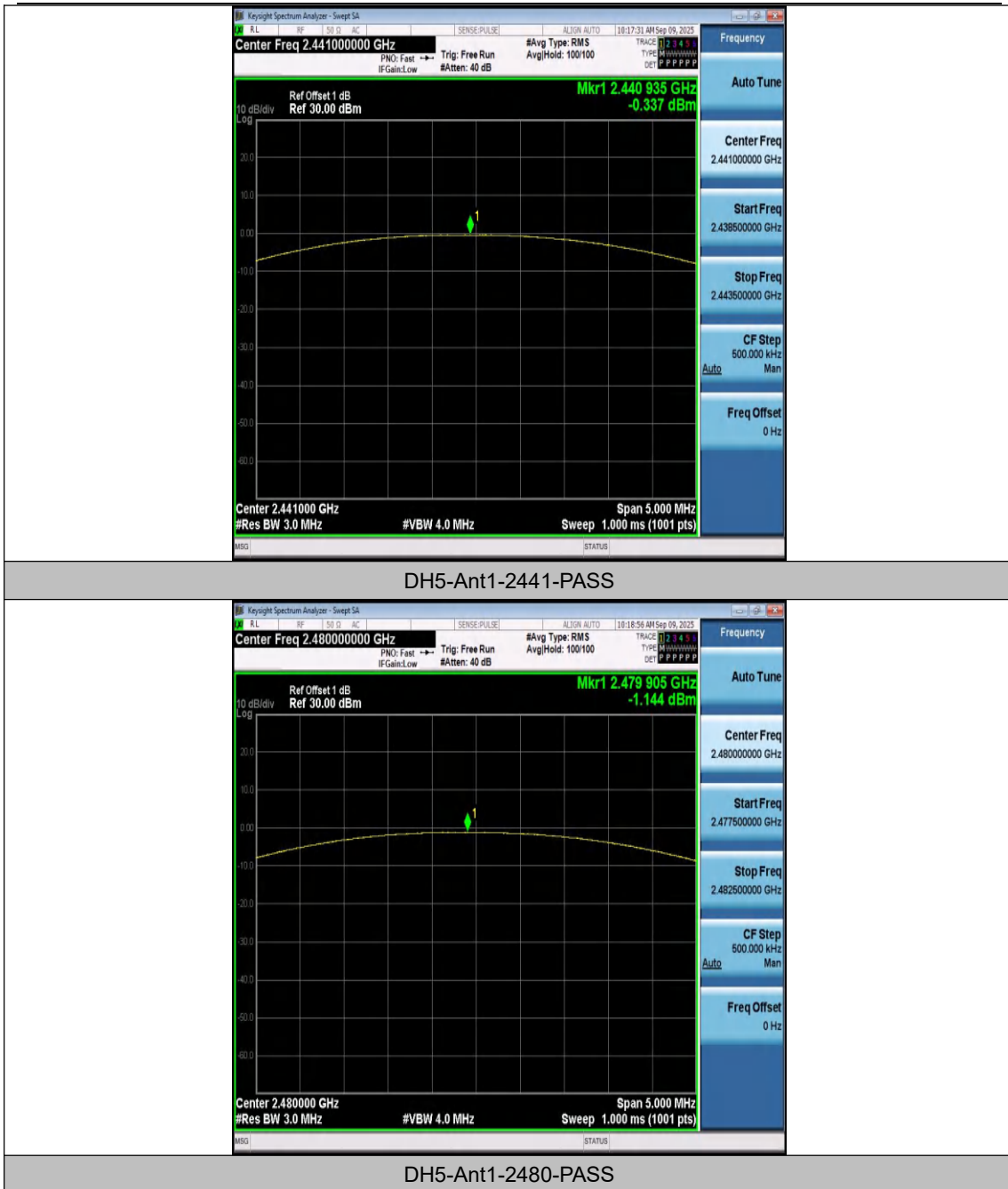
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.15	≤20.97	PASS
DH5	Ant1	2441	-0.34	≤20.97	PASS
DH5	Ant1	2480	-1.14	≤20.97	PASS
2DH5	Ant1	2402	0.97	≤20.97	PASS
2DH5	Ant1	2441	0.34	≤20.97	PASS
2DH5	Ant1	2480	-0.43	≤20.97	PASS
3DH5	Ant1	2402	1.46	≤20.97	PASS
3DH5	Ant1	2441	0.91	≤20.97	PASS
3DH5	Ant1	2480	0.10	≤20.97	PASS

Test Graphs

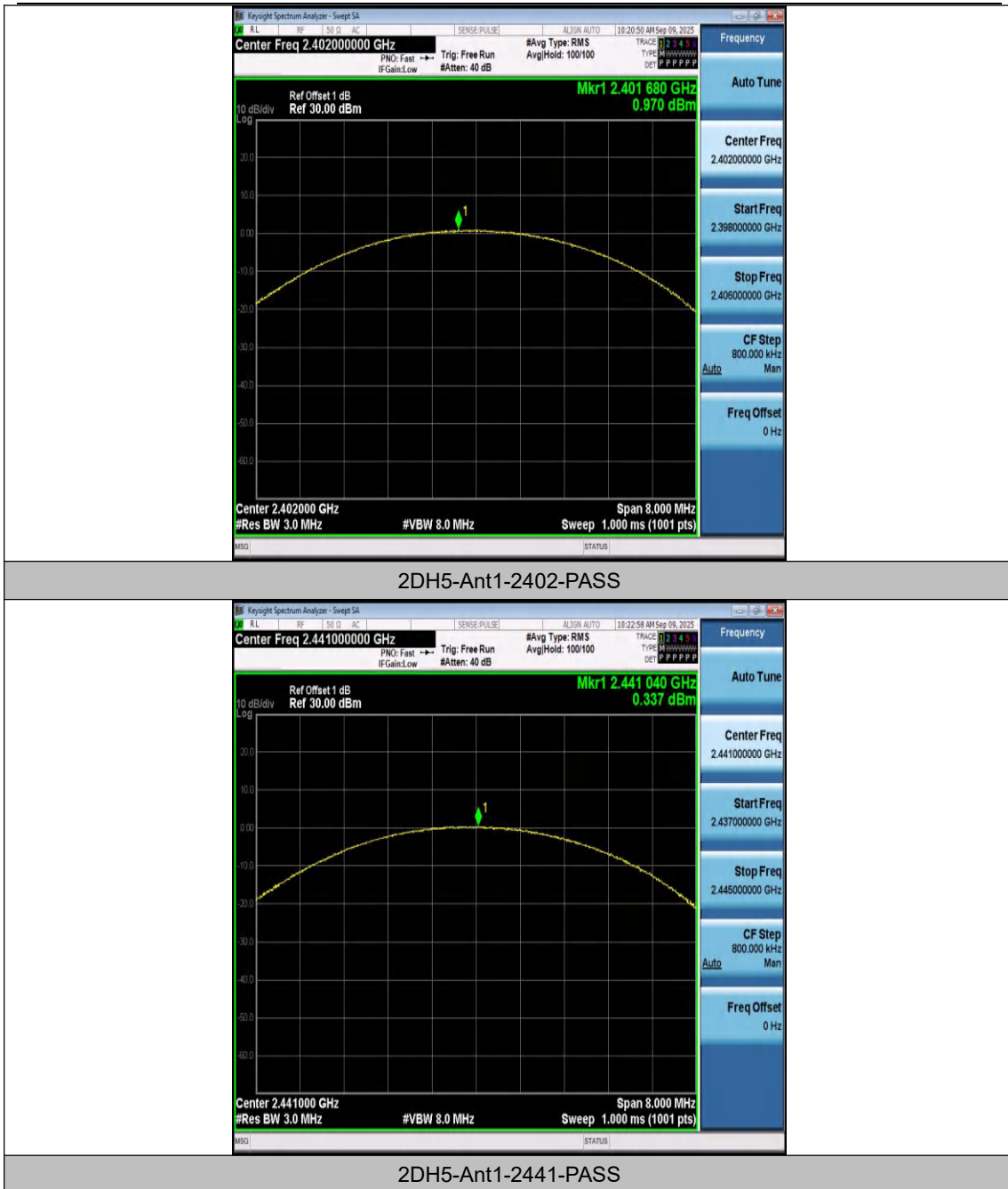




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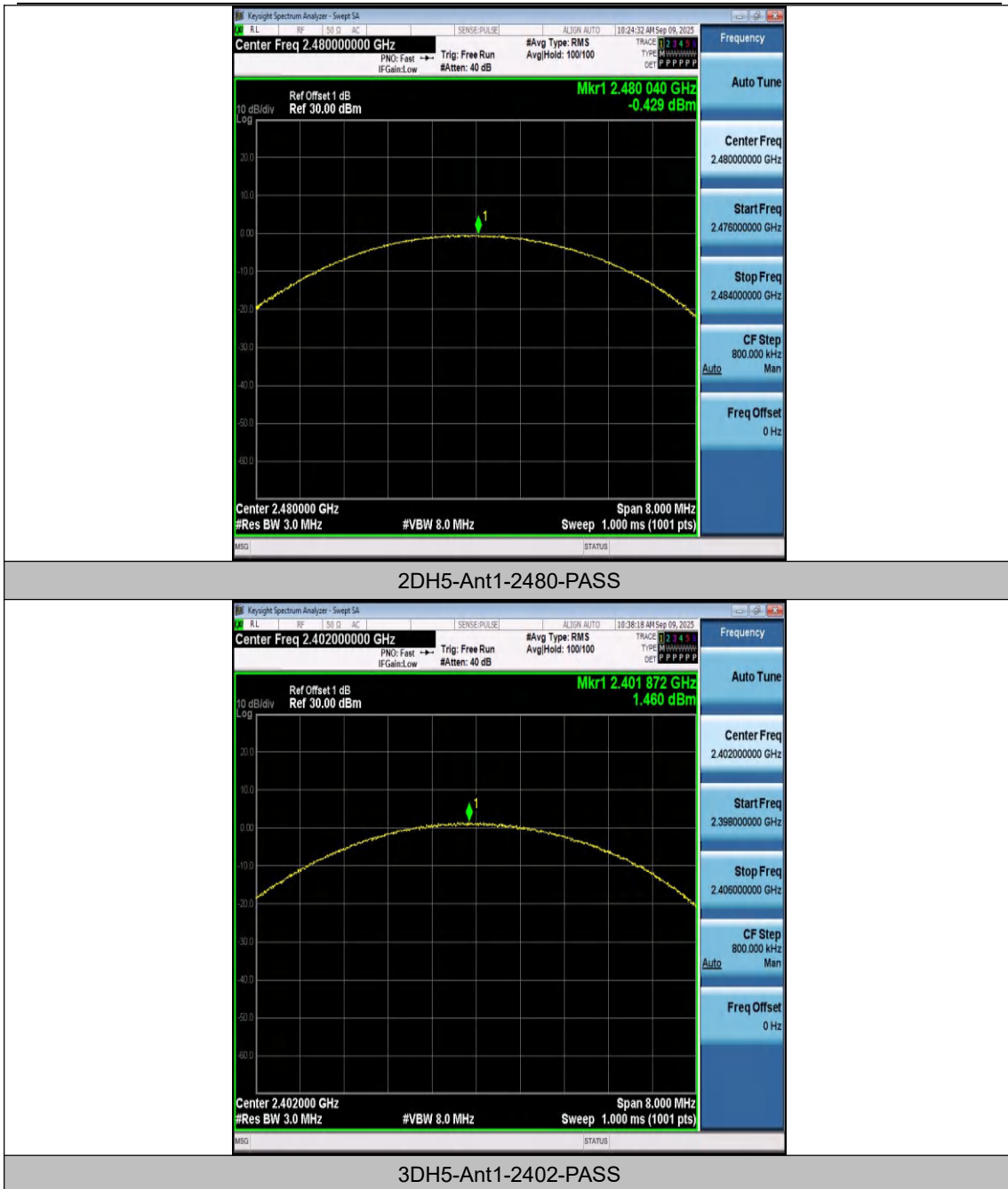
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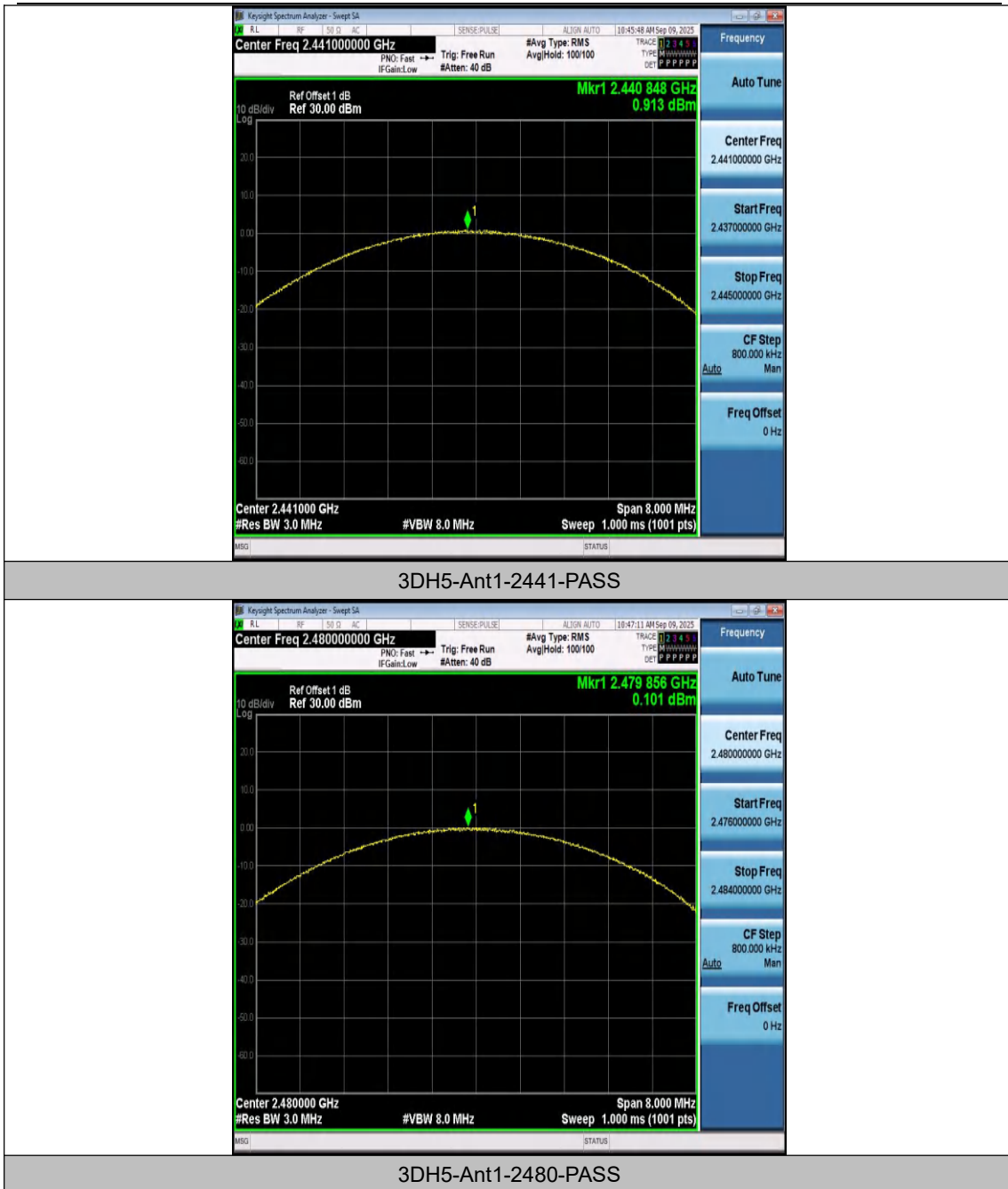
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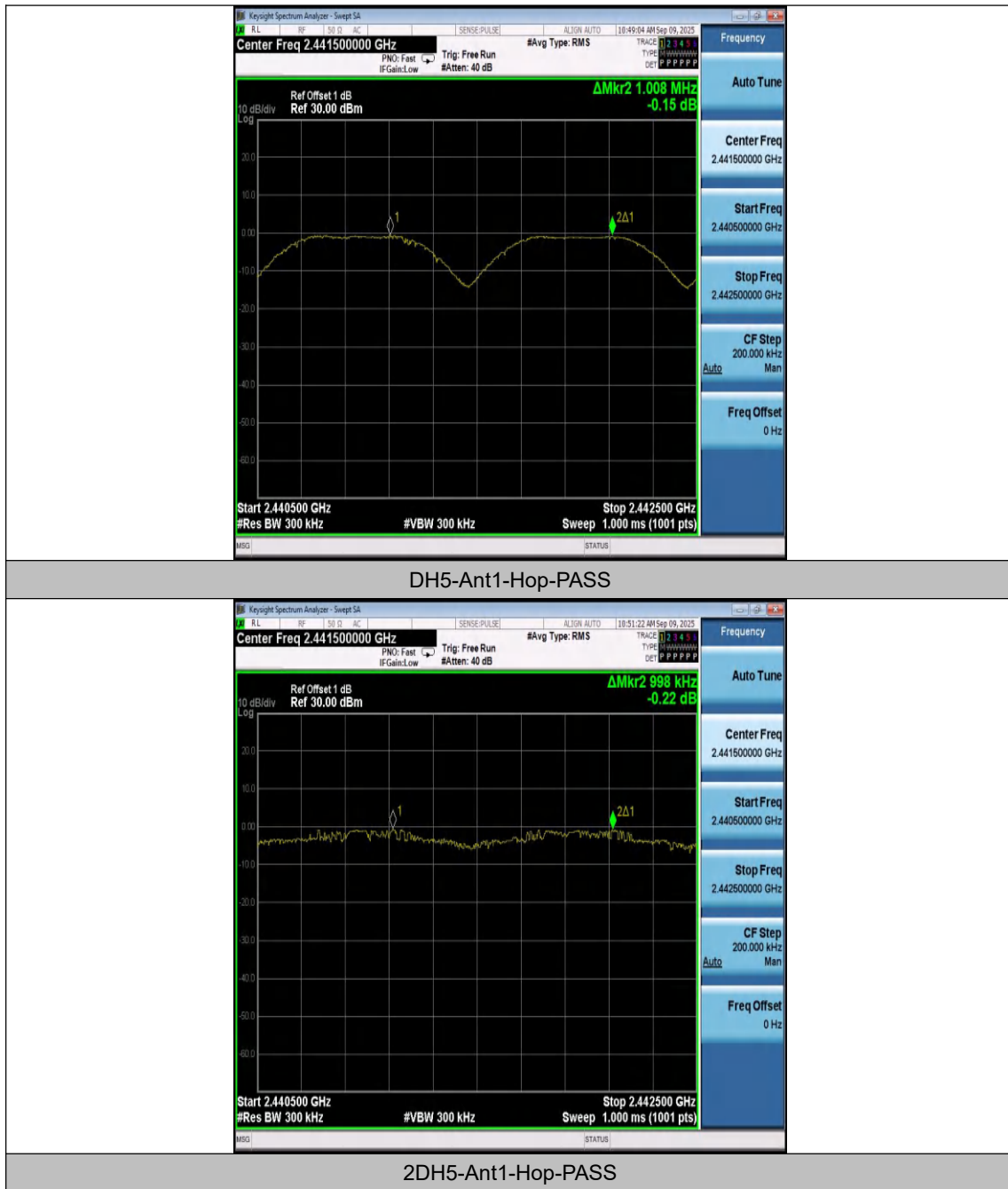
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.636	PASS
2DH5	Ant1	Hop	0.998	≥ 0.878	PASS
3DH5	Ant1	Hop	1.046	≥ 0.860	PASS

Test Graphs



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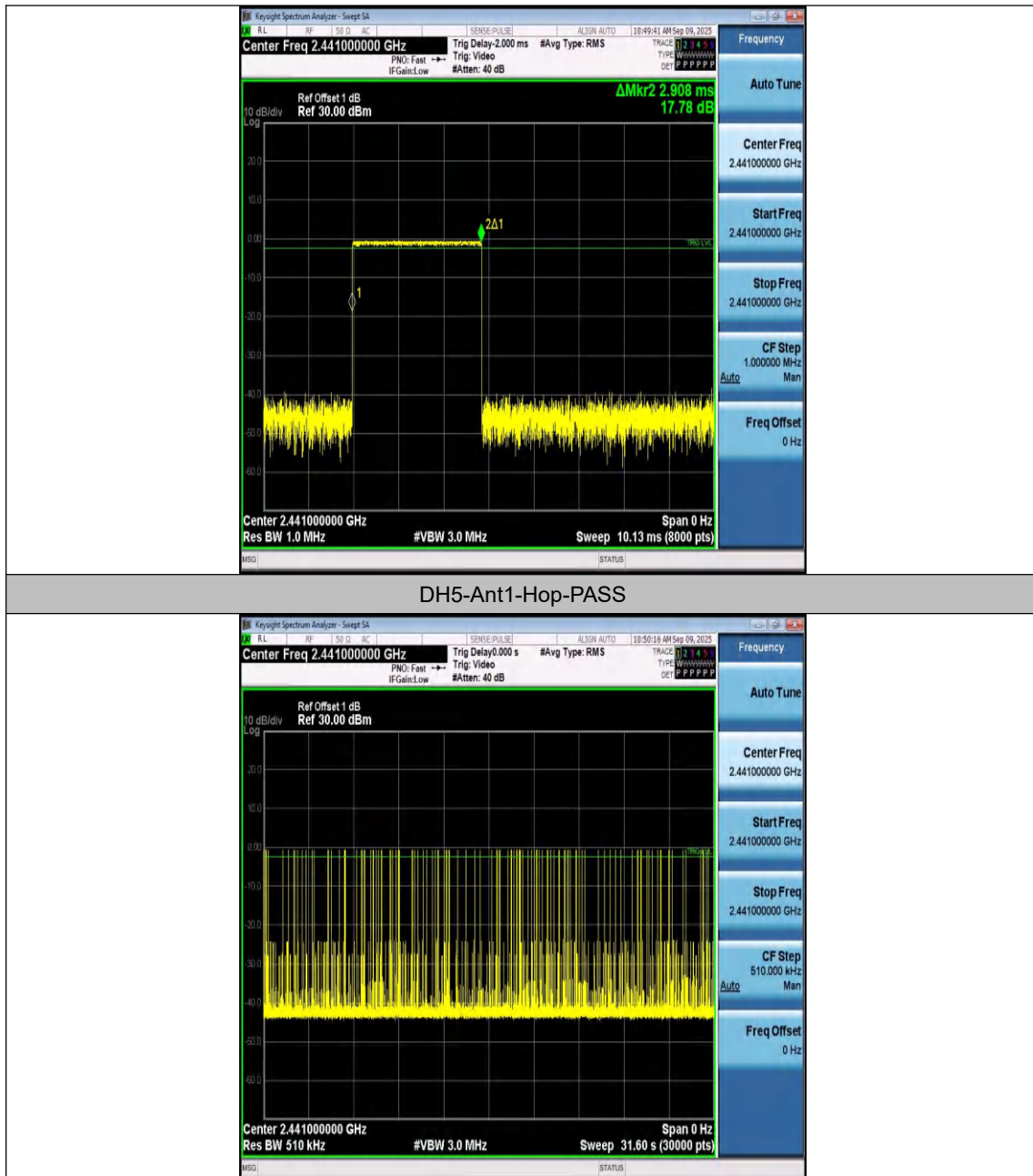
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	114	0.332	≤0.4	PASS
2DH5	Ant1	Hop	2.915	111	0.324	≤0.4	PASS
3DH5	Ant1	Hop	2.917	104	0.303	≤0.4	PASS

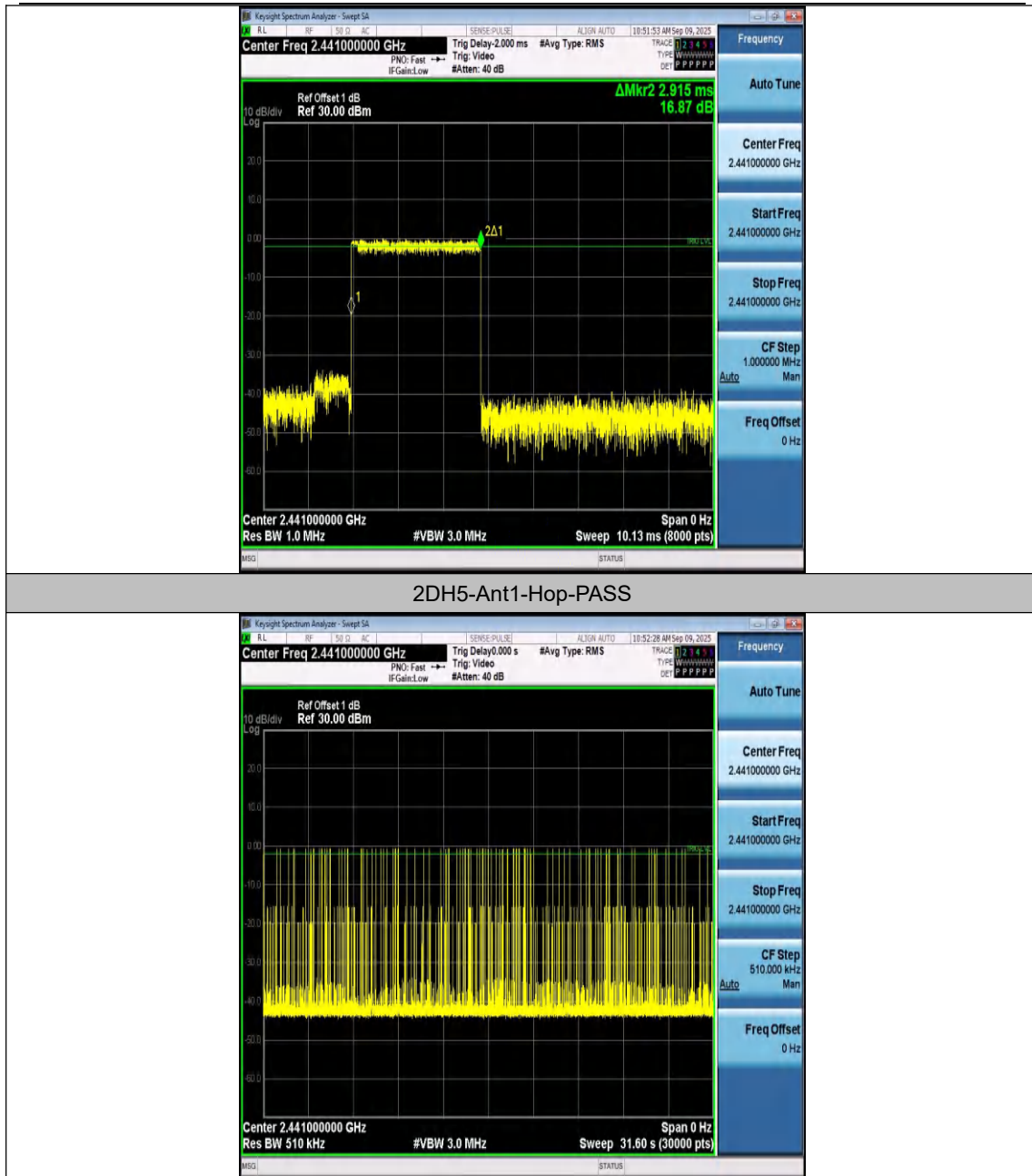
Test Graphs



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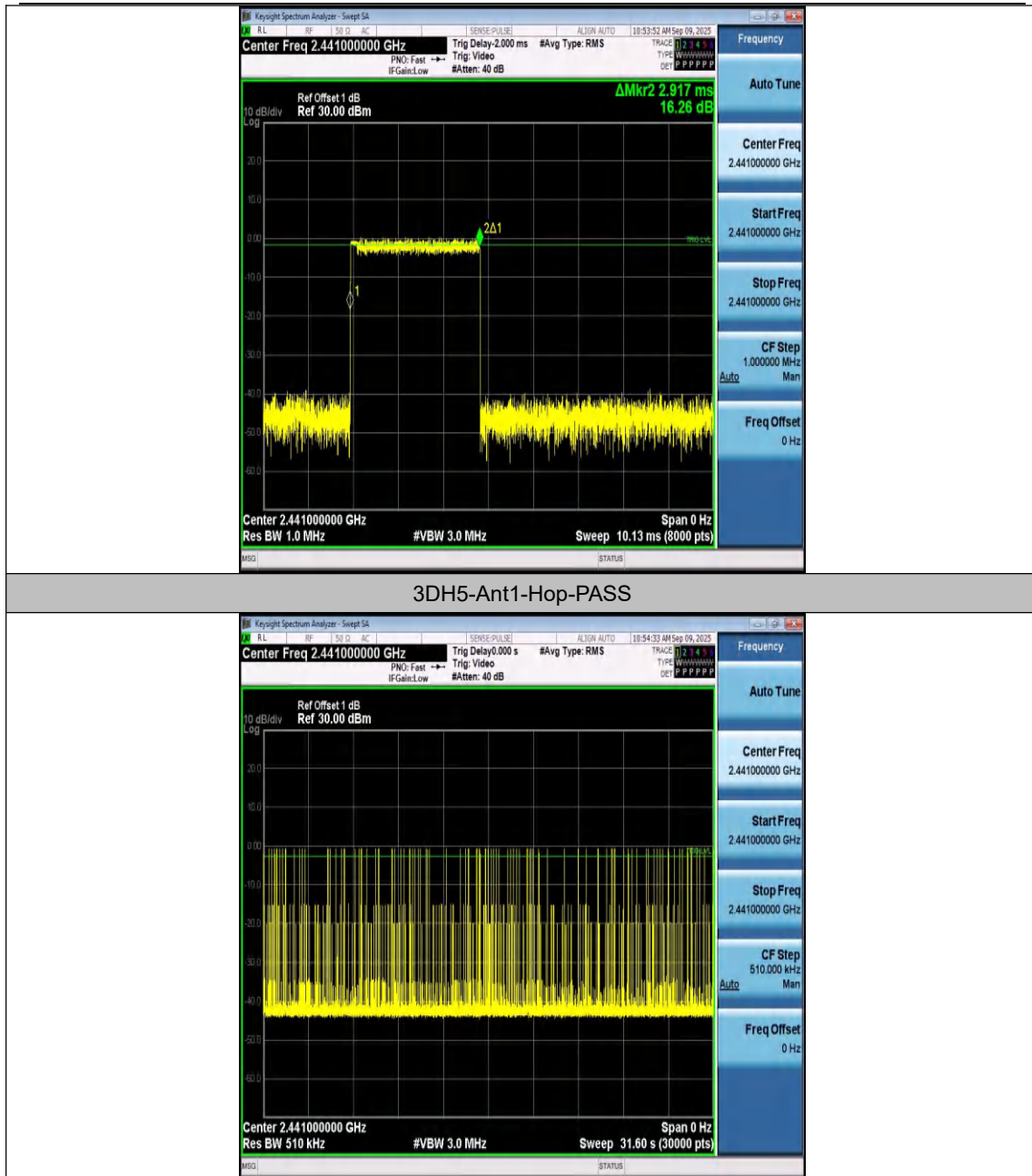
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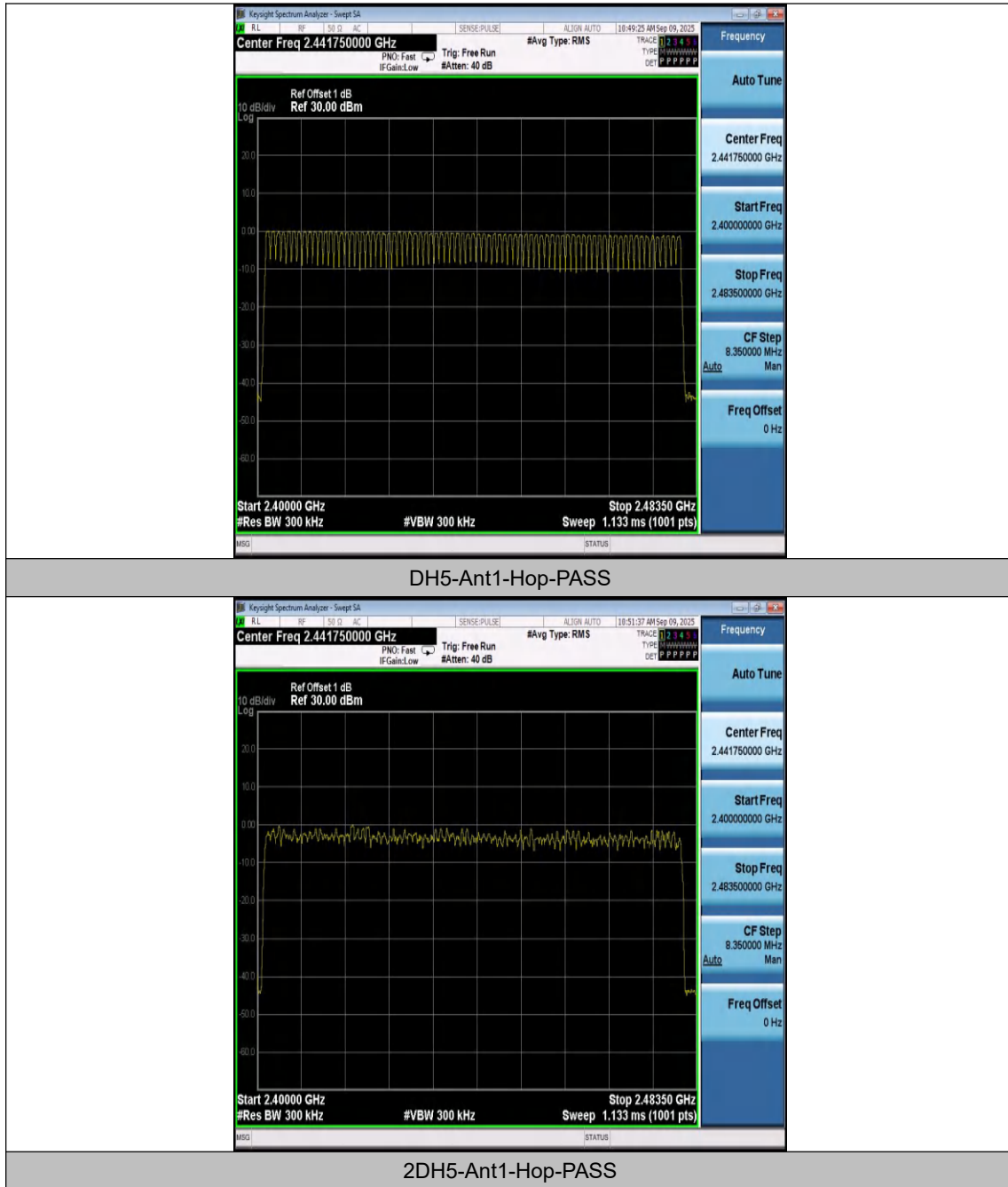
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Appendix F: Number of Hopping Channel

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

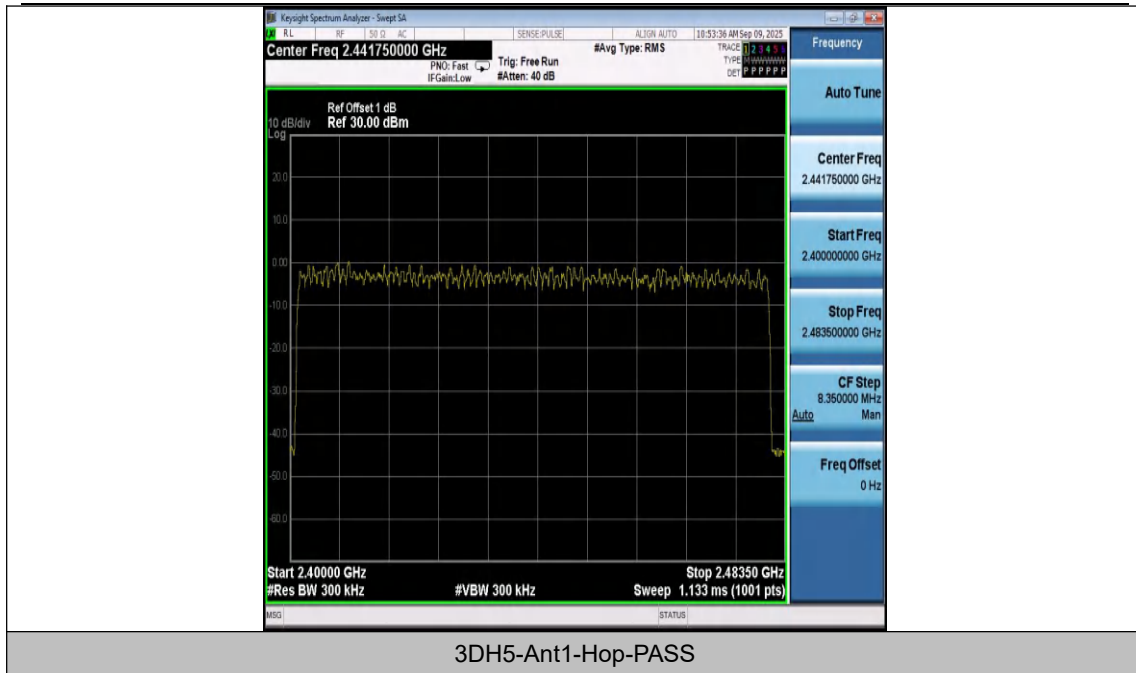
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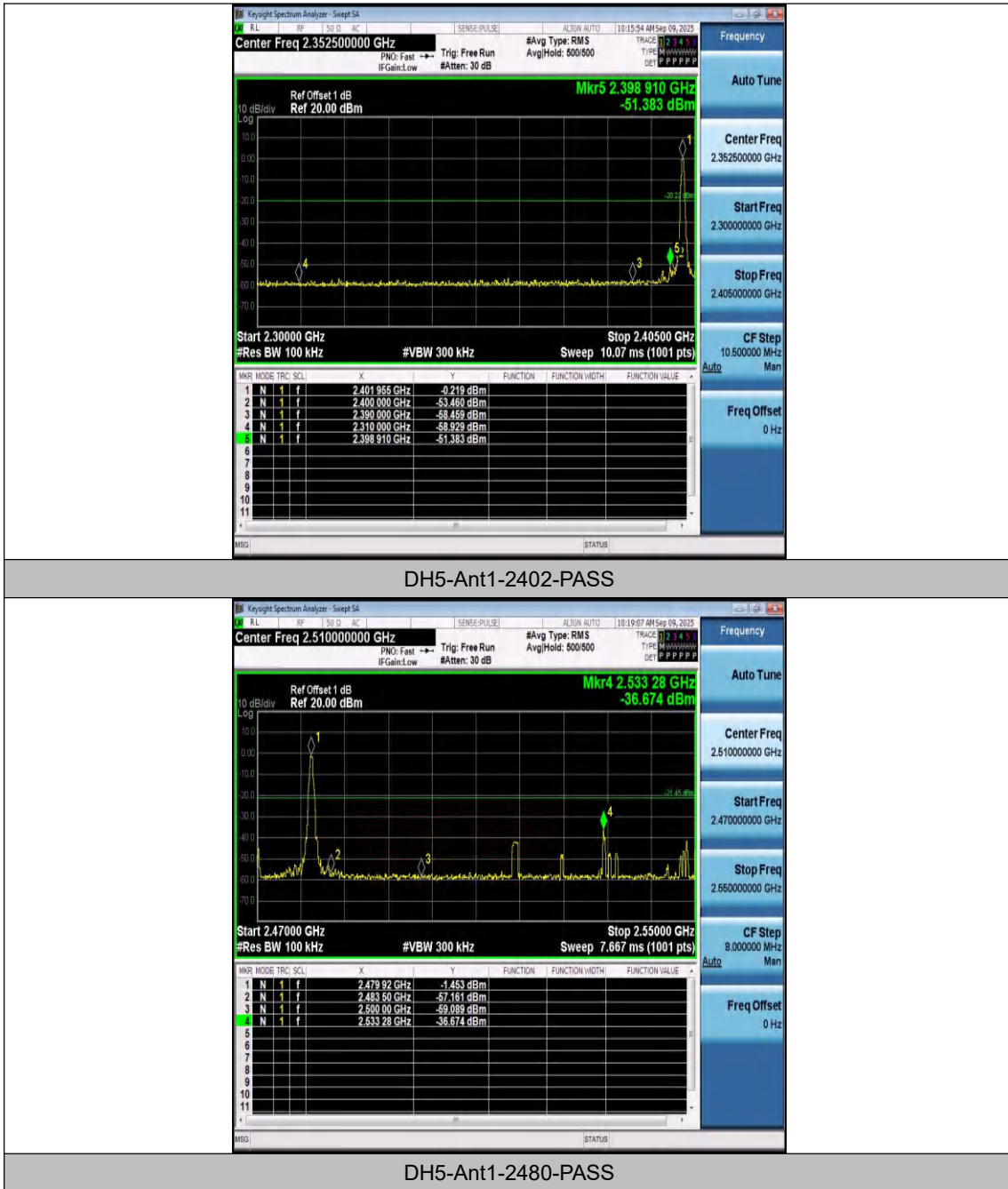
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.22	-51.38	≤-20.22	PASS
DH5	Ant1	High	2480	-1.45	-36.67	≤-21.45	PASS
DH5	Ant1	Low	Hop_2402	-0.27	-55.17	≤-20.27	PASS
DH5	Ant1	High	Hop_2480	-1.66	-56.2	≤-21.66	PASS
2DH5	Ant1	Low	2402	-0.23	-49.22	≤-20.23	PASS
2DH5	Ant1	High	2480	-1.59	-56.04	≤-21.59	PASS
2DH5	Ant1	Low	Hop_2402	-0.31	-55.73	≤-20.31	PASS
2DH5	Ant1	High	Hop_2480	-3.99	-56.61	≤-23.99	PASS
3DH5	Ant1	Low	2402	-0.31	-52.06	≤-20.31	PASS
3DH5	Ant1	High	2480	-1.86	-55.41	≤-21.86	PASS
3DH5	Ant1	Low	Hop_2402	-0.82	-56.17	≤-20.82	PASS
3DH5	Ant1	High	Hop_2480	-2.49	-43.16	≤-22.49	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.

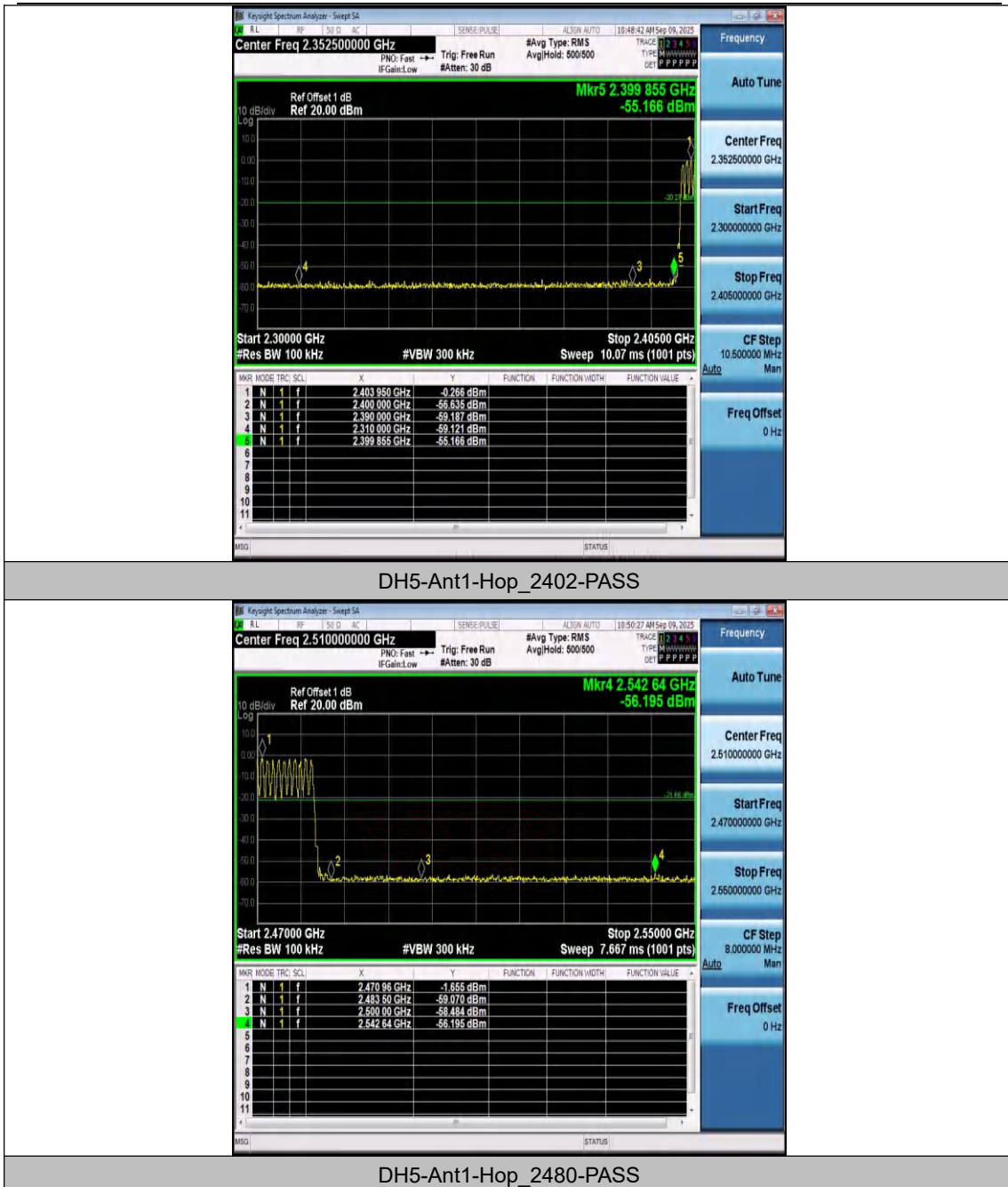
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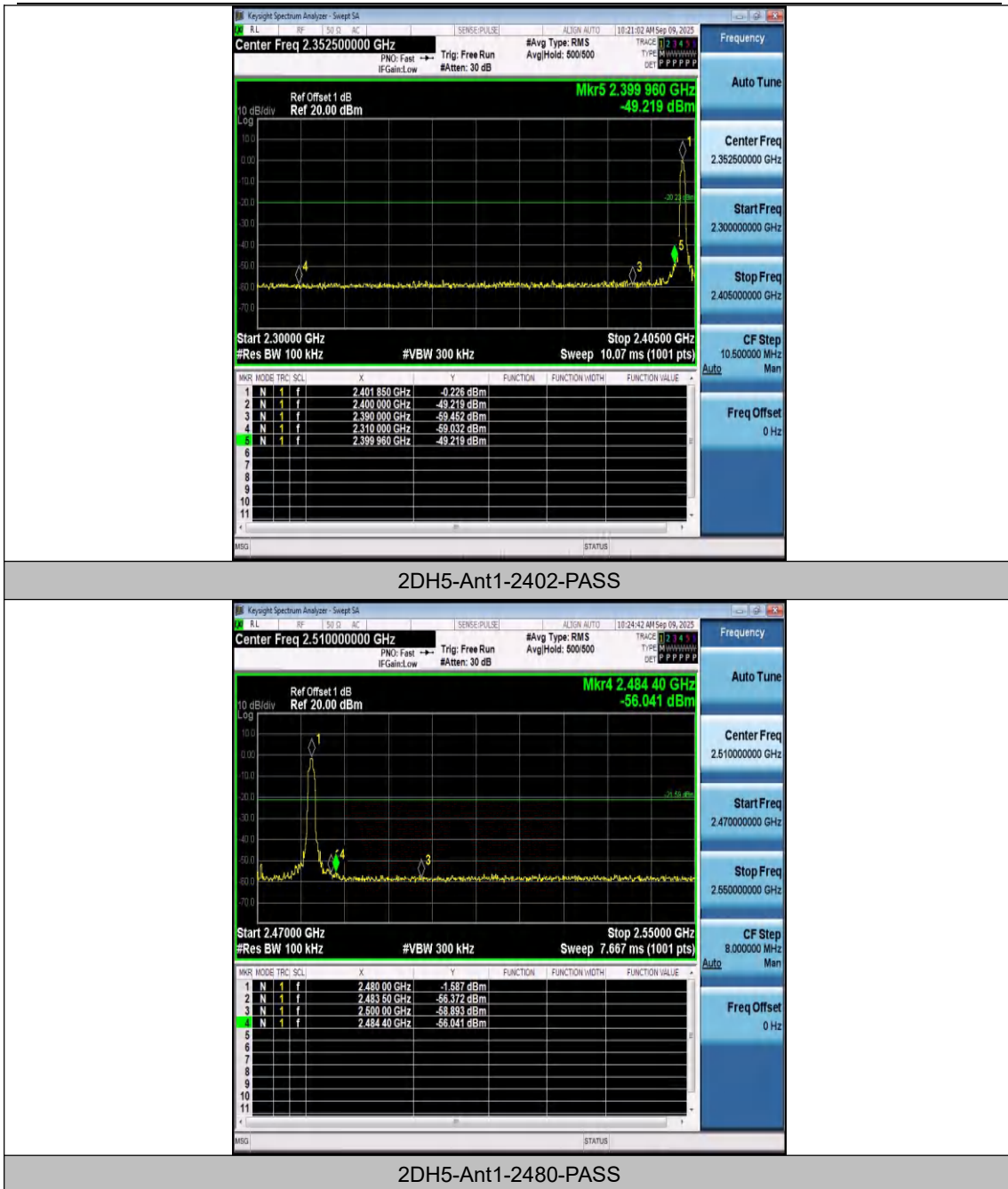


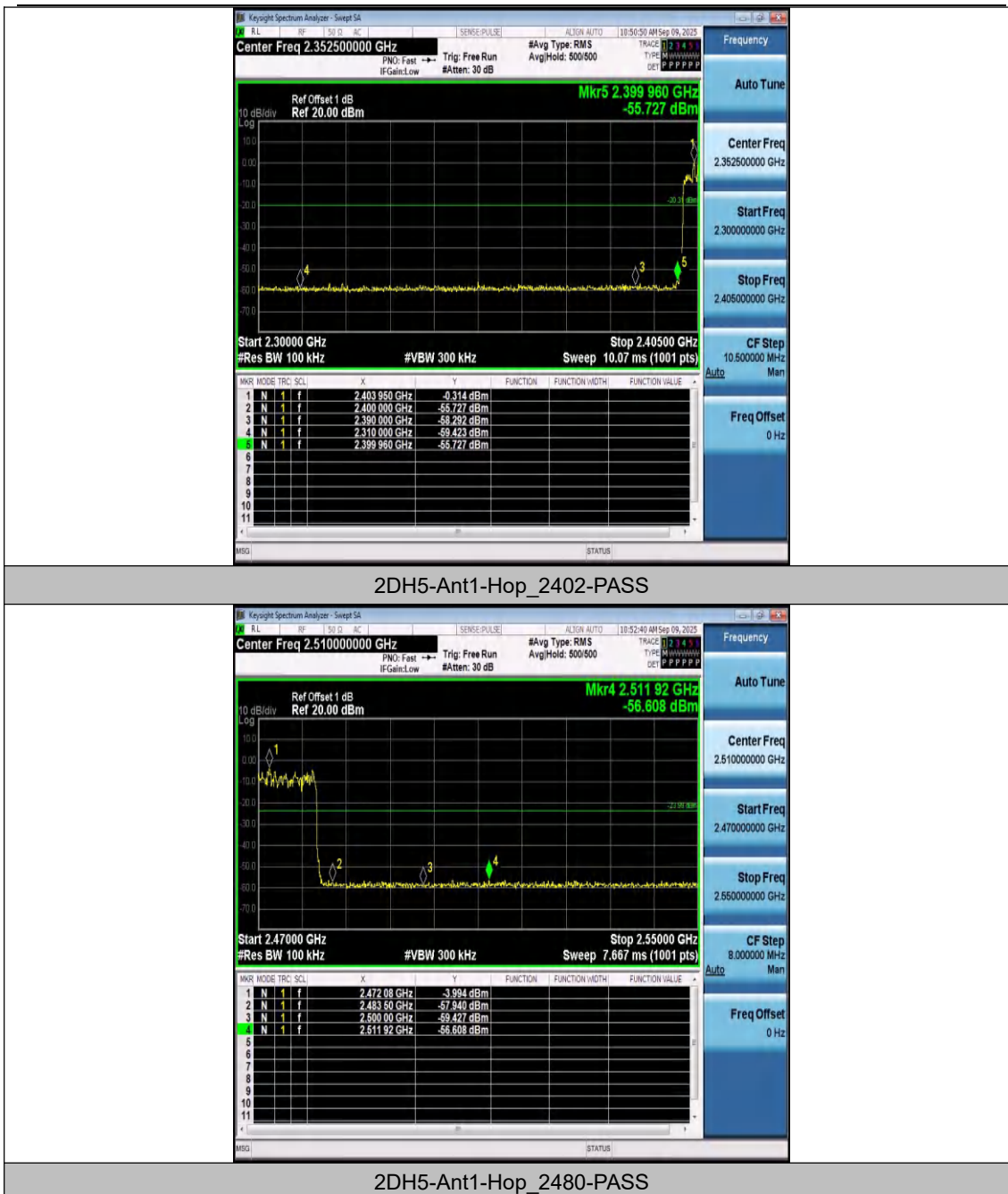
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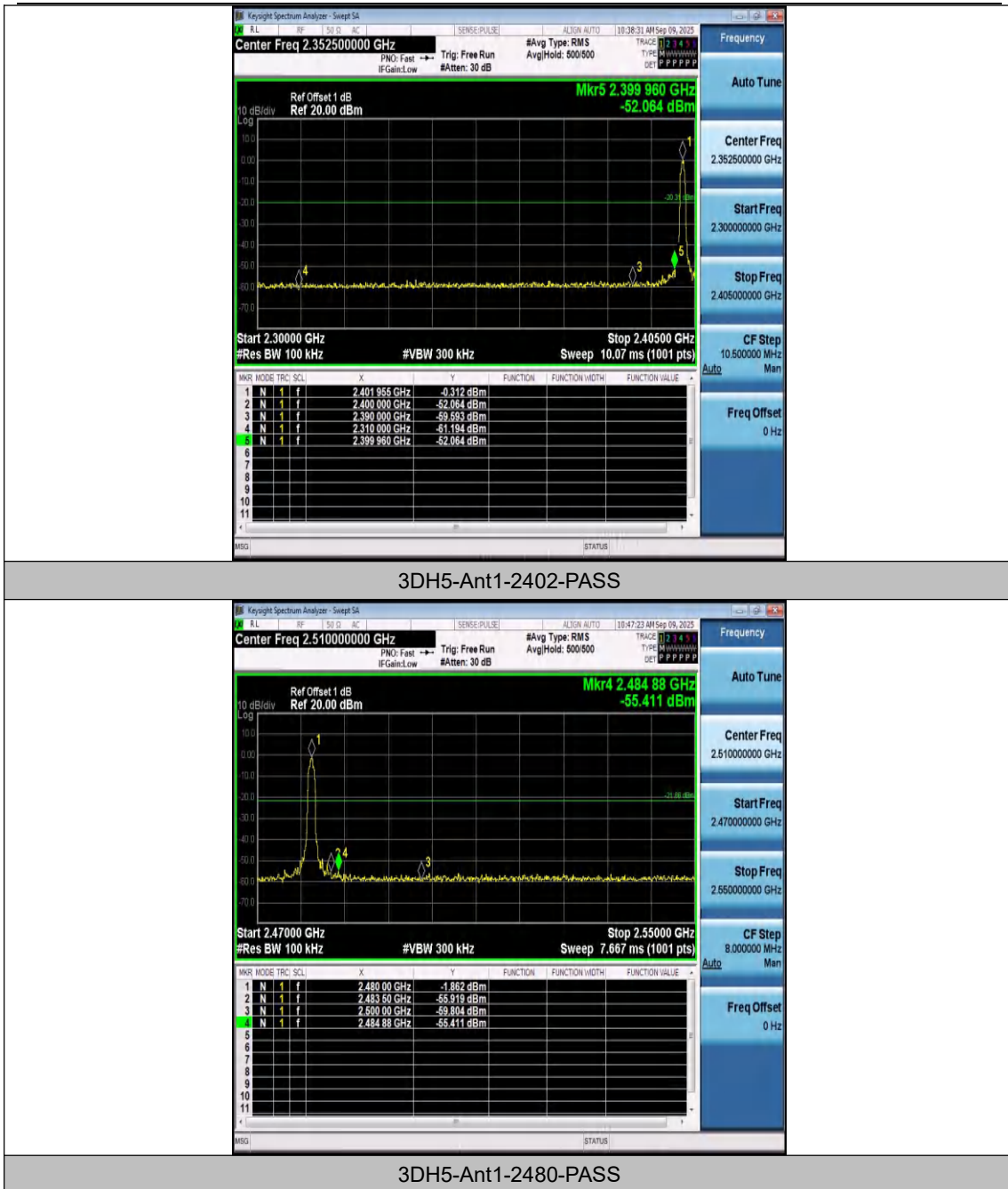
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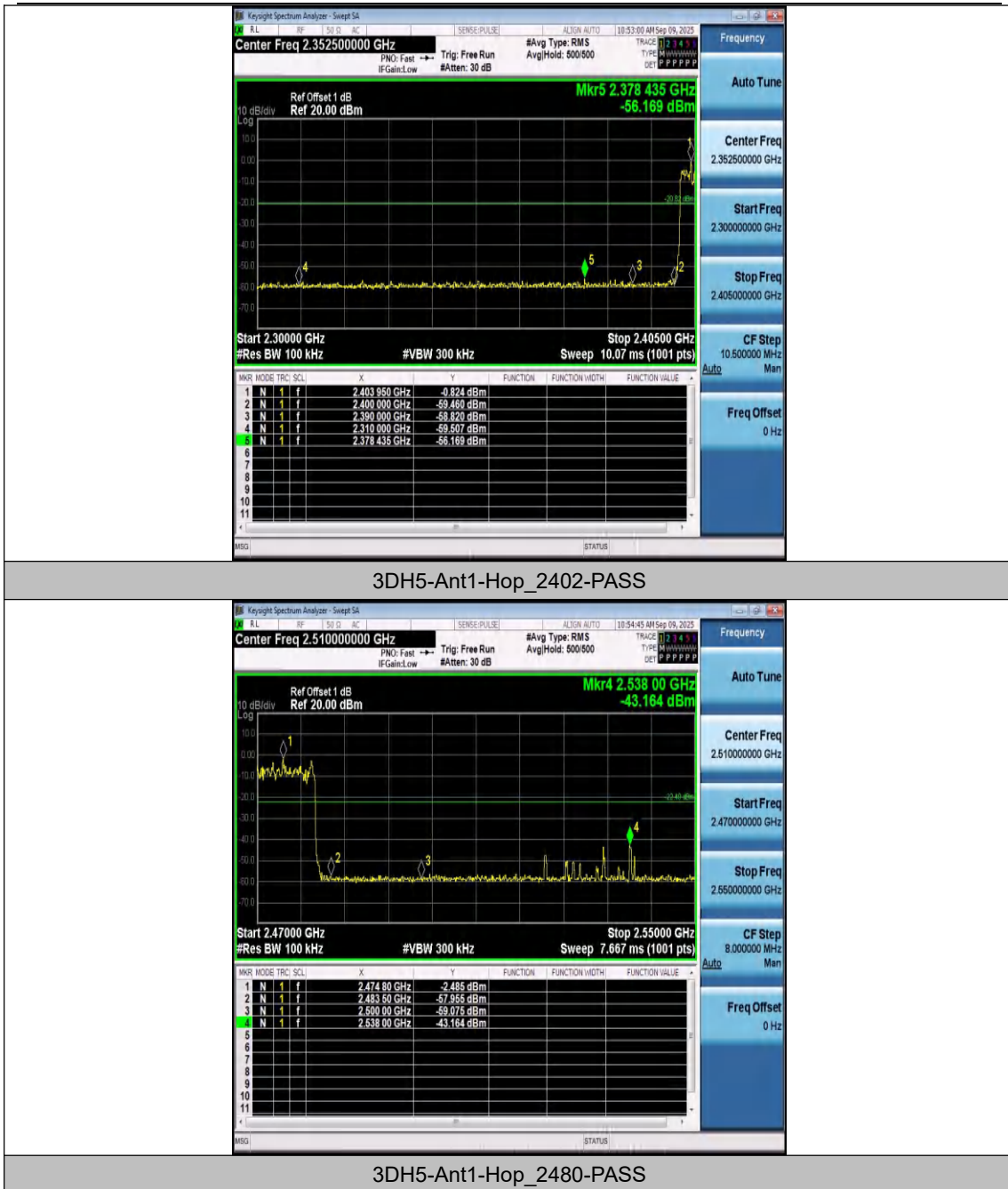




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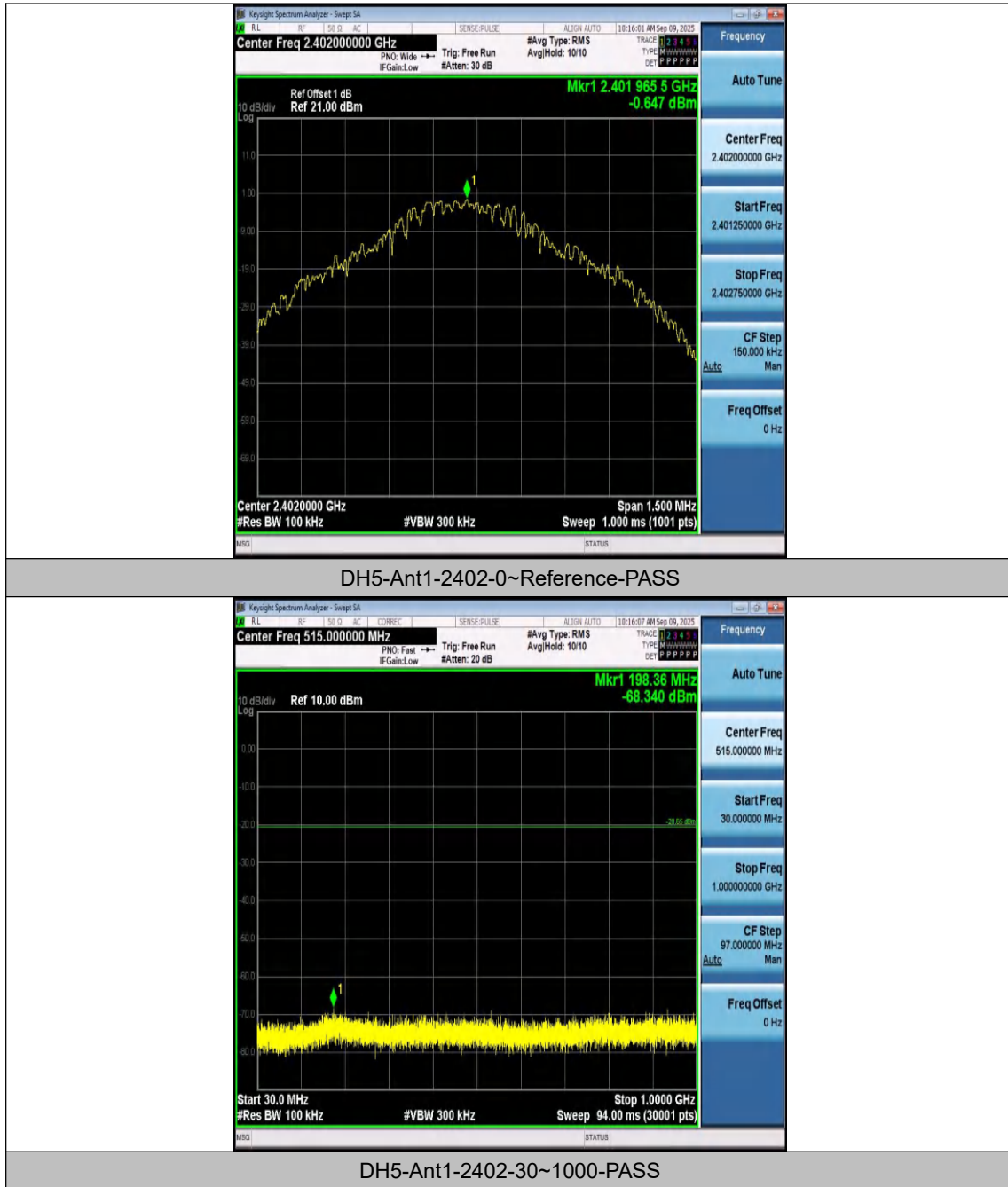
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.65	-0.65	---	PASS
DH5	Ant1	2402	30~1000	-0.65	-68.34	≤-20.65	PASS
DH5	Ant1	2402	1000~26500	-0.65	-48.6	≤-20.65	PASS
DH5	Ant1	2441	0~Reference	-1.62	-1.62	---	PASS
DH5	Ant1	2441	30~1000	-1.62	-62.72	≤-21.62	PASS
DH5	Ant1	2441	1000~26500	-1.62	-53.59	≤-21.62	PASS
DH5	Ant1	2480	0~Reference	-2.13	-2.13	---	PASS
DH5	Ant1	2480	30~1000	-2.13	-64.65	≤-22.13	PASS
DH5	Ant1	2480	1000~26500	-2.13	-53.08	≤-22.13	PASS
2DH5	Ant1	2402	0~Reference	-1.09	-1.09	---	PASS
2DH5	Ant1	2402	30~1000	-1.09	-49.44	≤-21.09	PASS
2DH5	Ant1	2402	1000~26500	-1.09	-52.93	≤-21.09	PASS
2DH5	Ant1	2441	0~Reference	-1.29	-1.29	---	PASS
2DH5	Ant1	2441	30~1000	-1.29	-65.37	≤-21.29	PASS
2DH5	Ant1	2441	1000~26500	-1.29	-53.42	≤-21.29	PASS
2DH5	Ant1	2480	0~Reference	-2.76	-2.76	---	PASS
2DH5	Ant1	2480	30~1000	-2.76	-68.62	≤-22.76	PASS
2DH5	Ant1	2480	1000~26500	-2.76	-53.96	≤-22.76	PASS
3DH5	Ant1	2402	0~Reference	-1.09	-1.09	---	PASS
3DH5	Ant1	2402	30~1000	-1.09	-60.53	≤-21.09	PASS
3DH5	Ant1	2402	1000~26500	-1.09	-52.97	≤-21.09	PASS
3DH5	Ant1	2441	0~Reference	-1.70	-1.70	---	PASS
3DH5	Ant1	2441	30~1000	-1.70	-68.82	≤-21.7	PASS
3DH5	Ant1	2441	1000~26500	-1.70	-40.19	≤-21.7	PASS
3DH5	Ant1	2480	0~Reference	-2.57	-2.57	---	PASS
3DH5	Ant1	2480	30~1000	-2.57	-68.87	≤-22.57	PASS
3DH5	Ant1	2480	1000~26500	-2.57	-53.04	≤-22.57	PASS

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

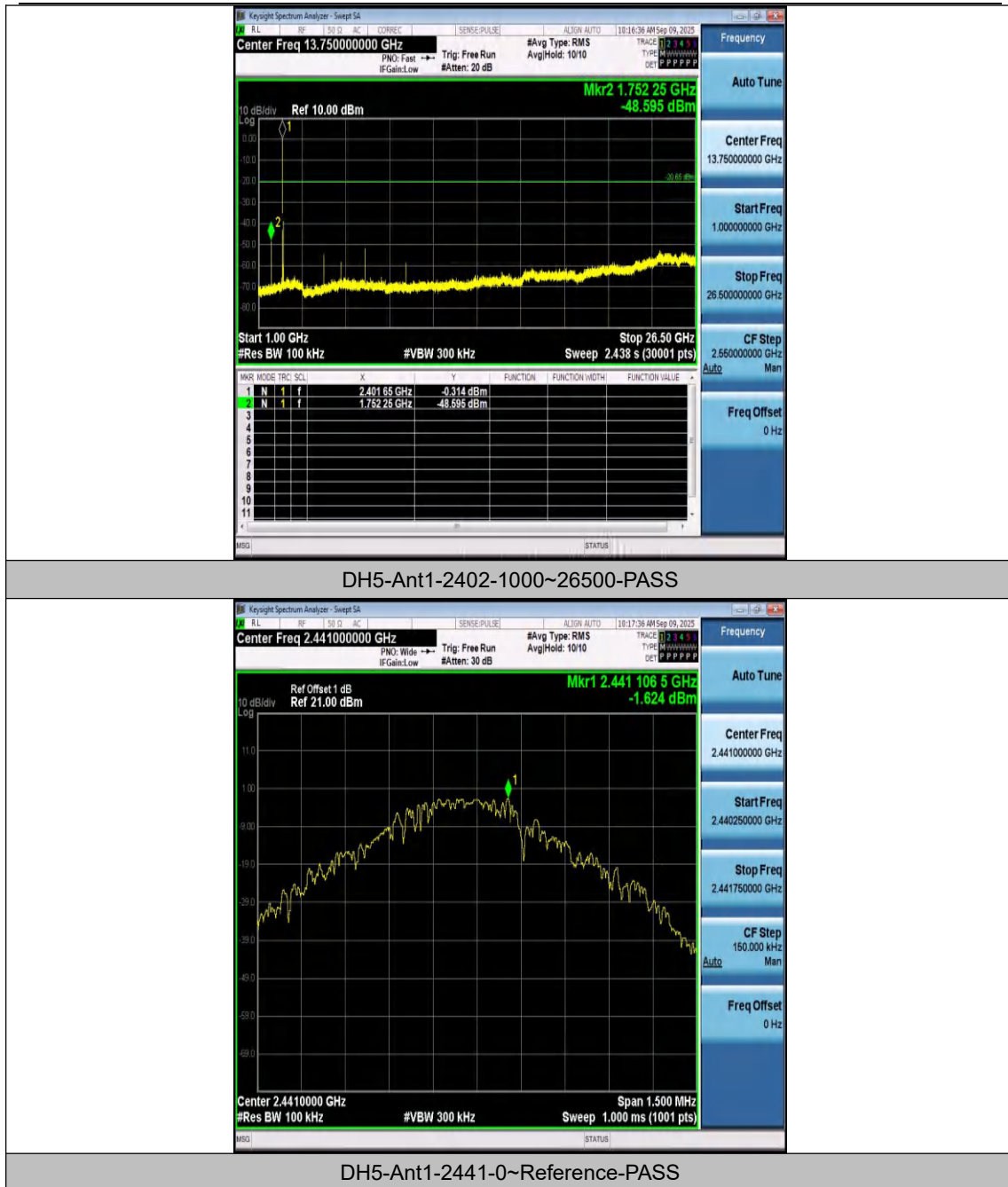
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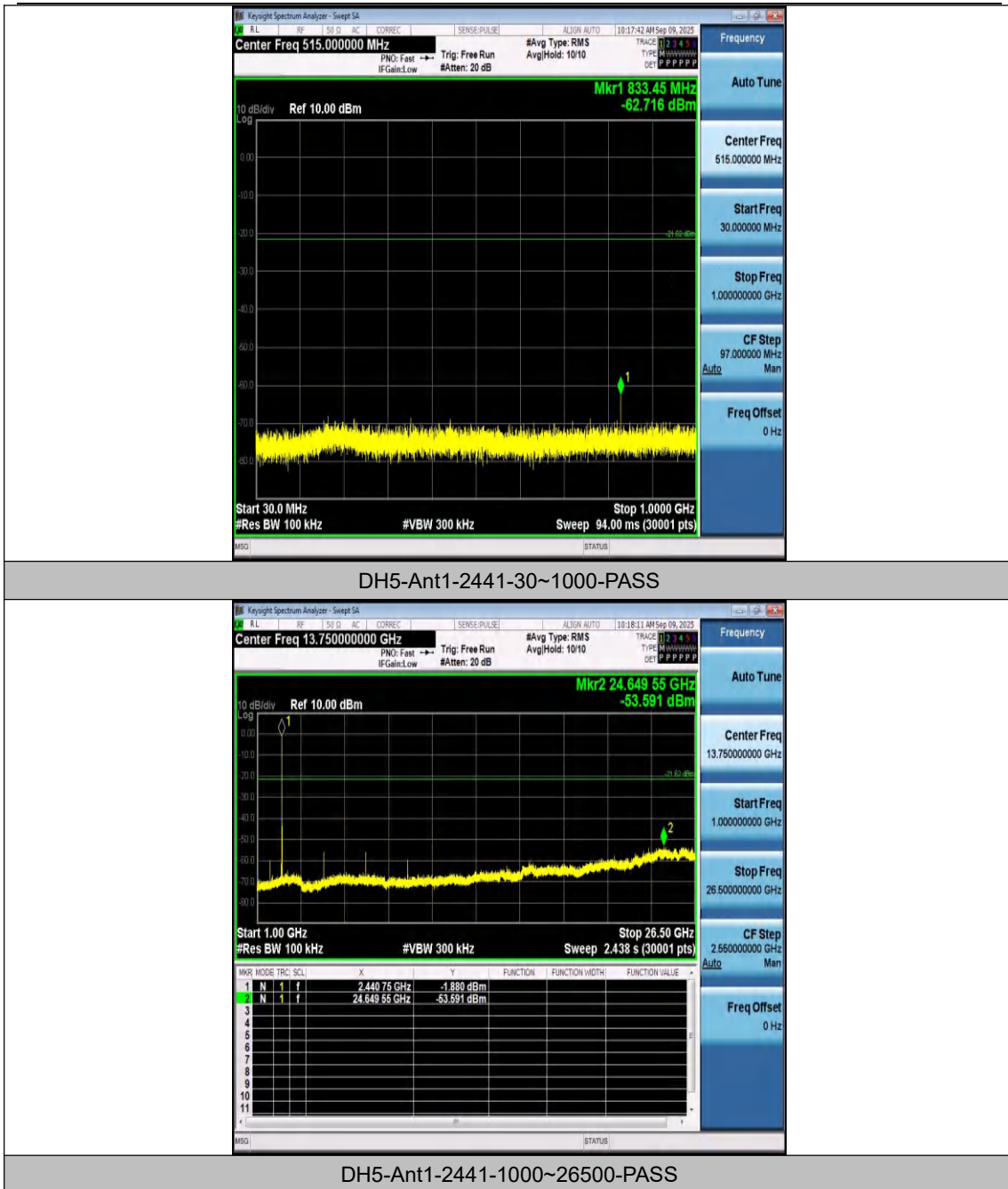
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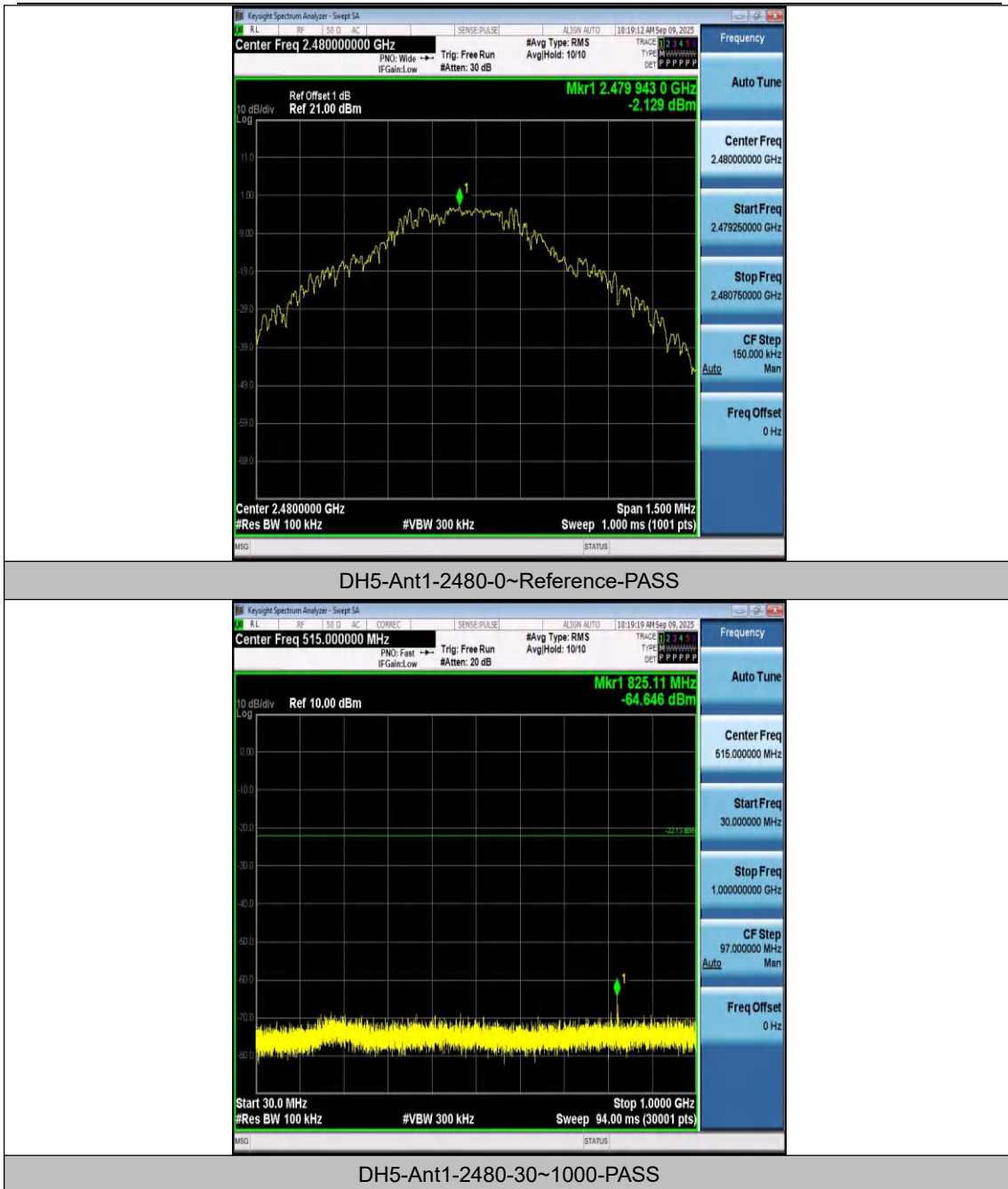
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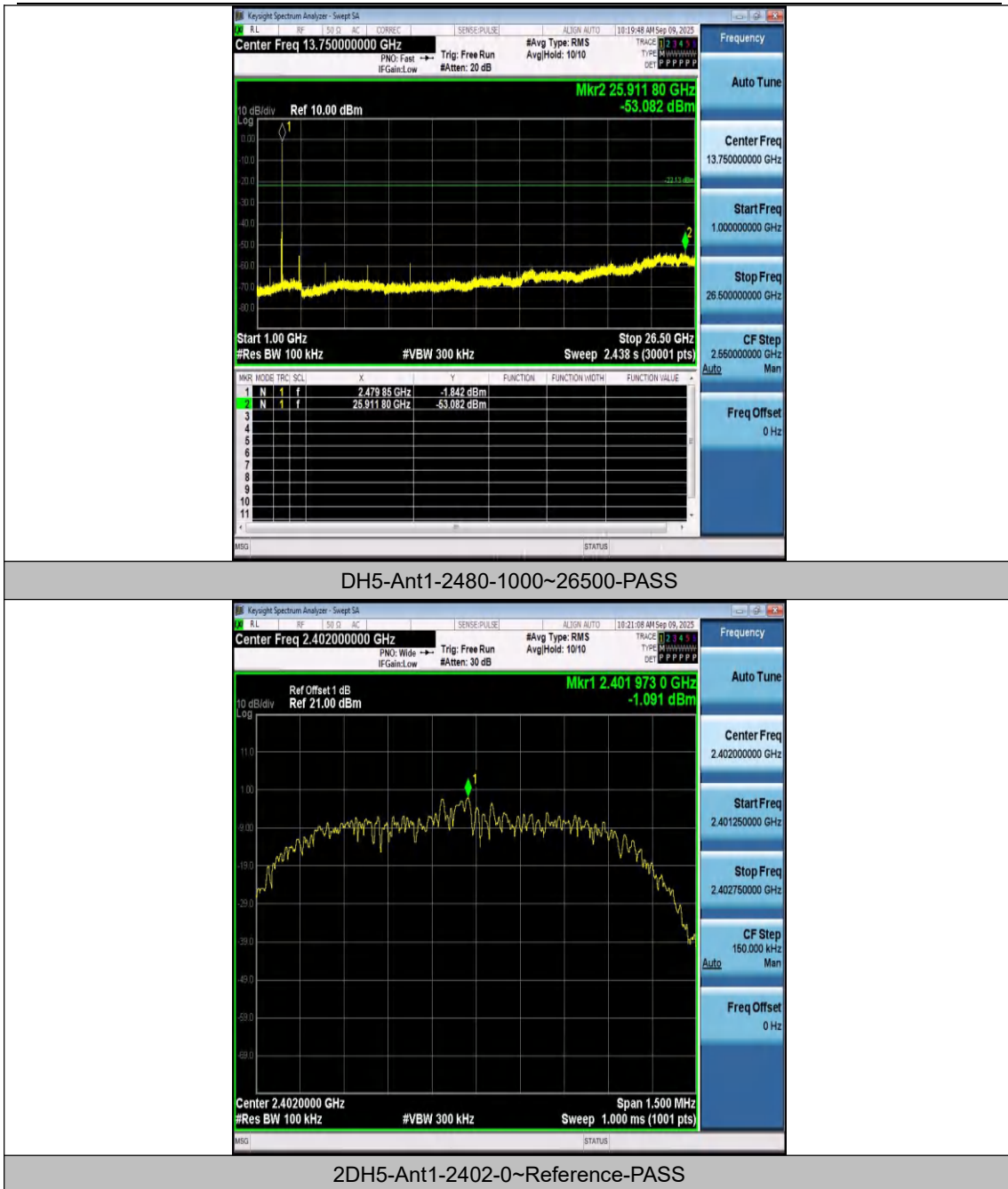
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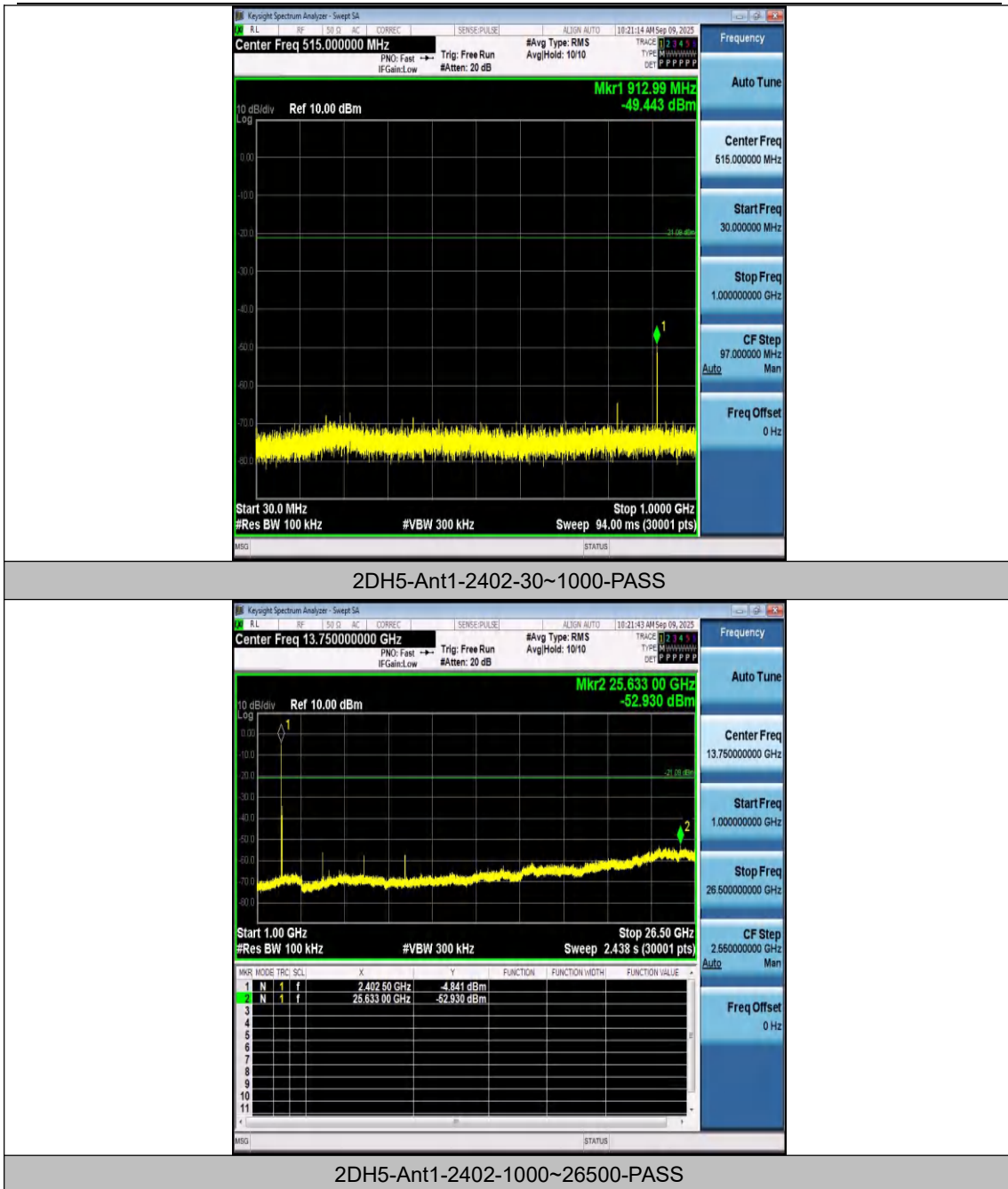


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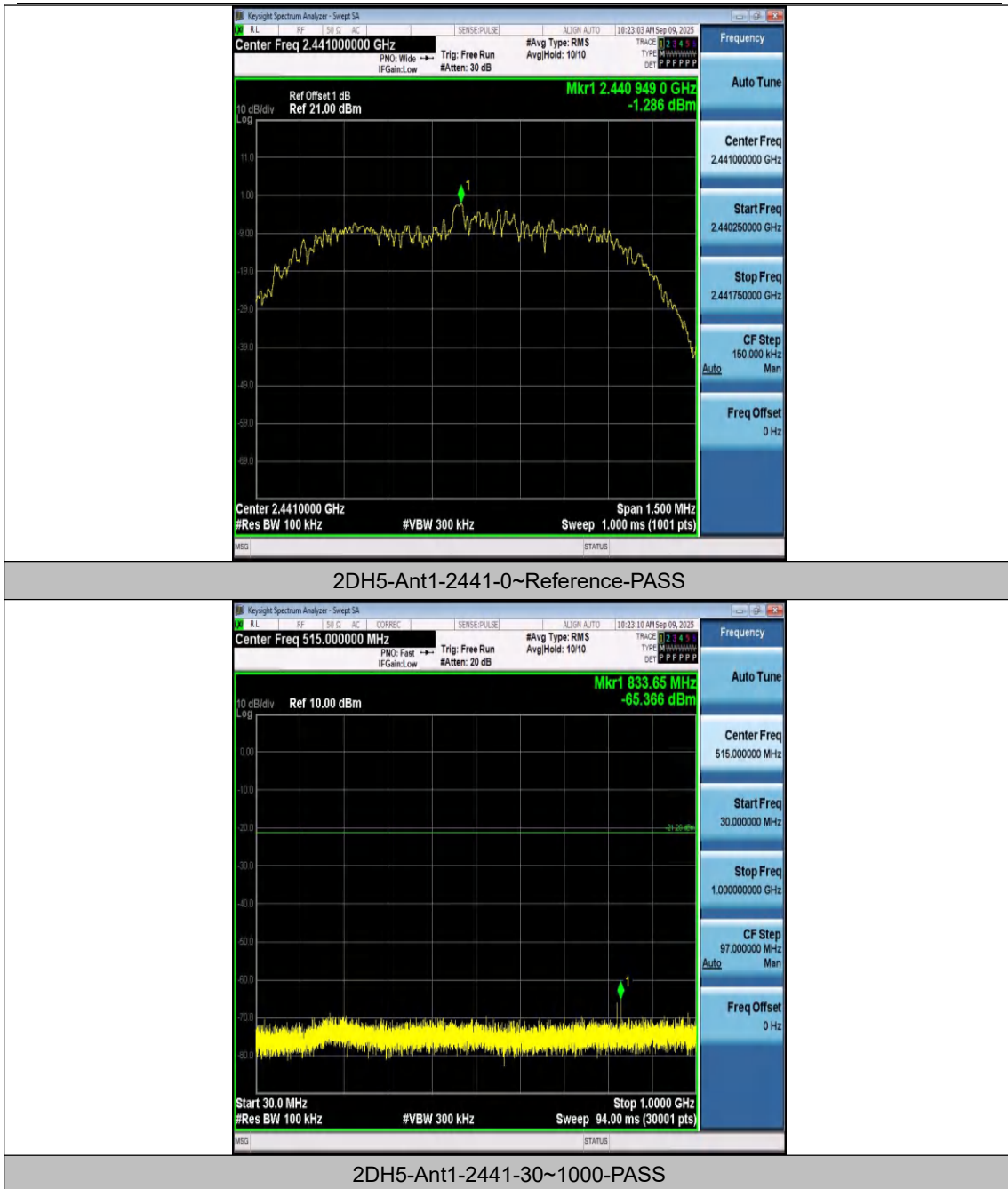




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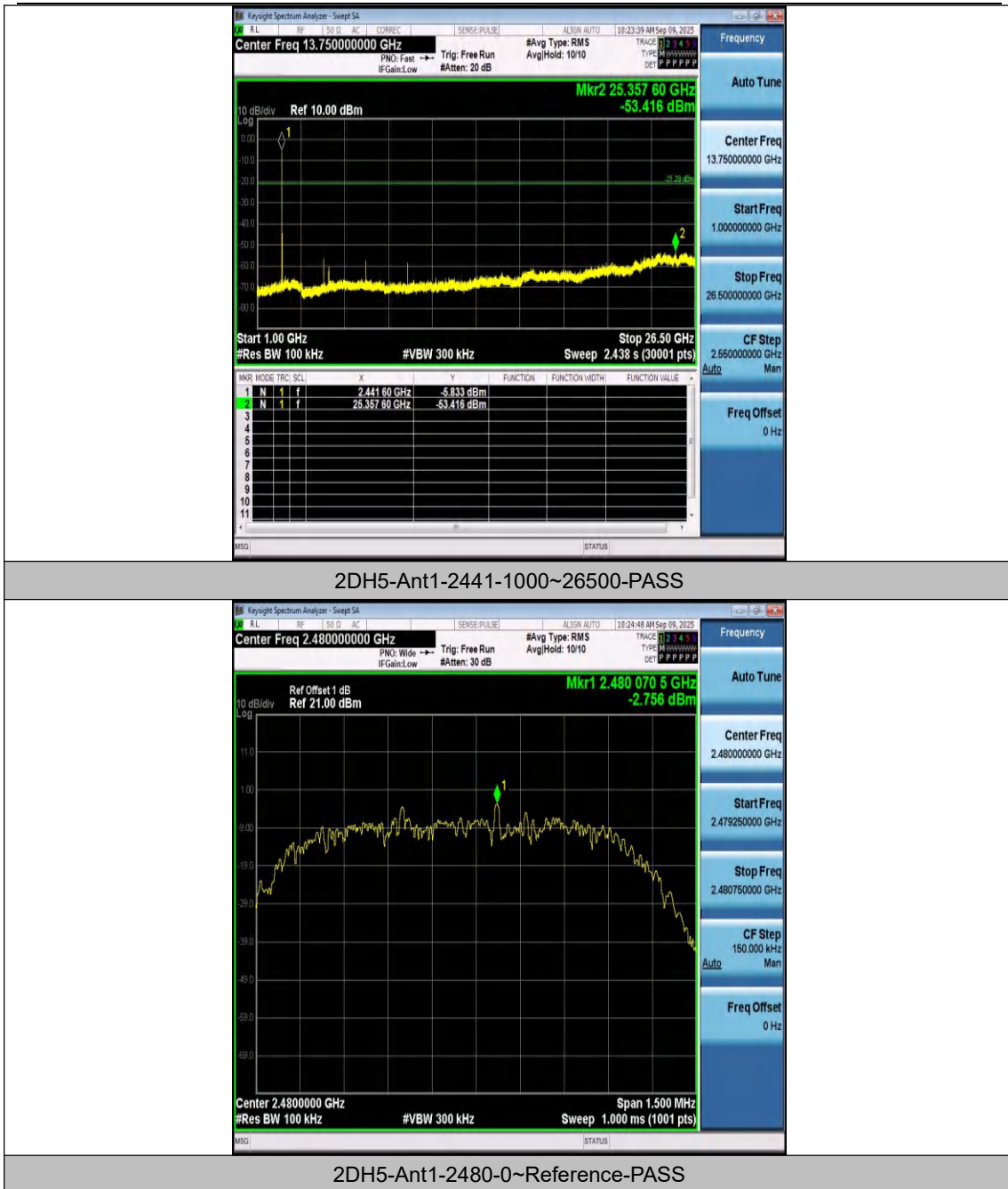
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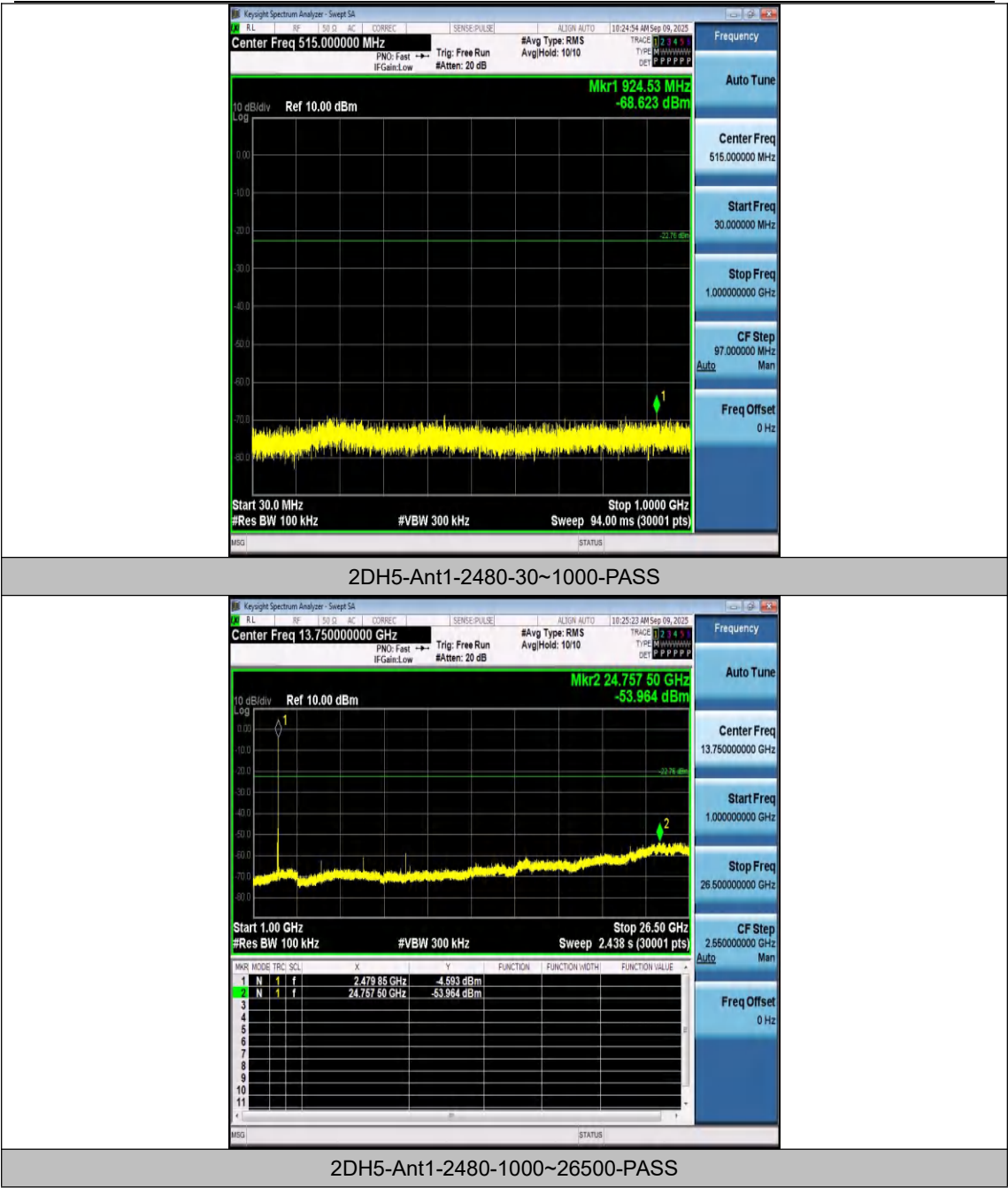
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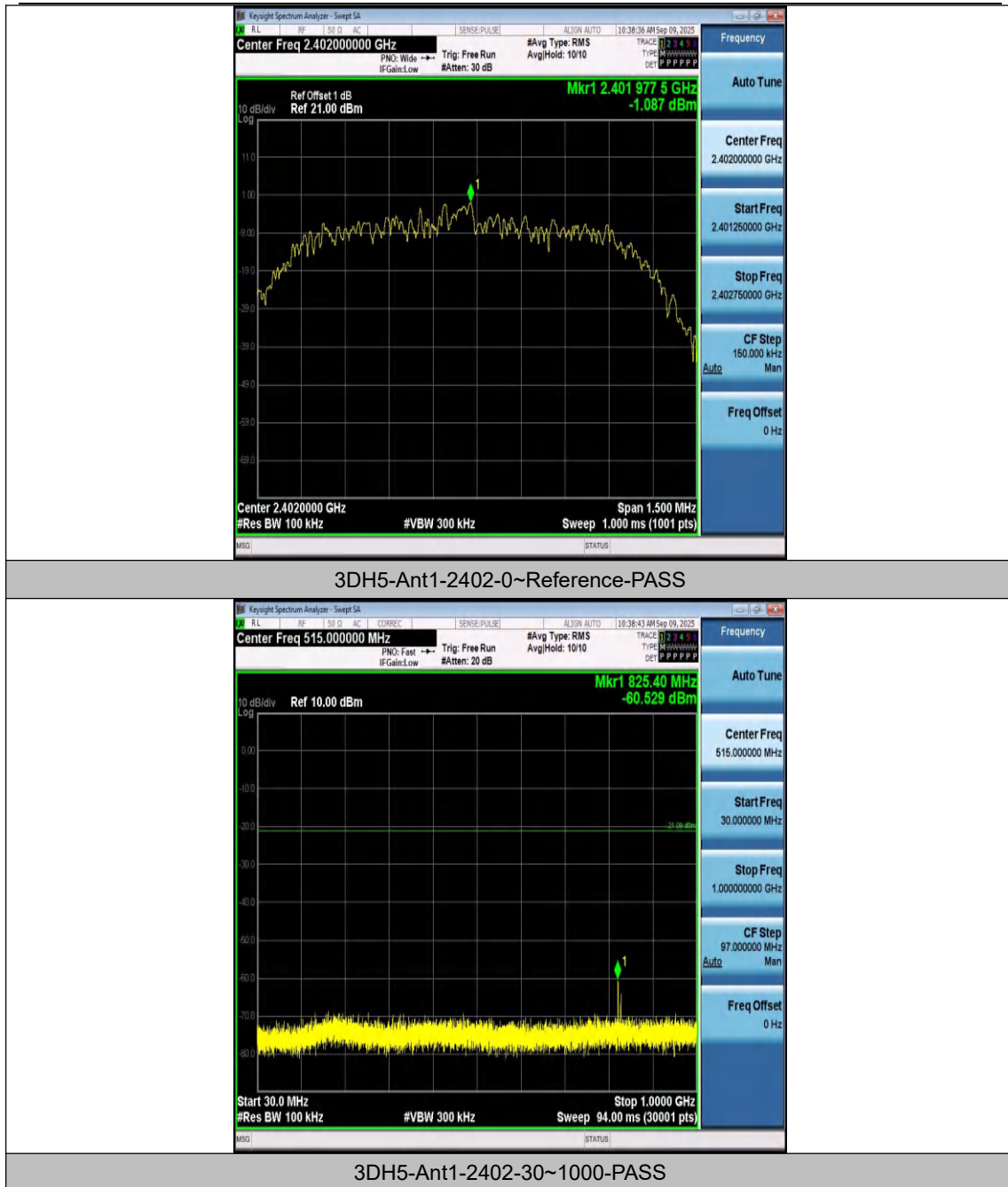


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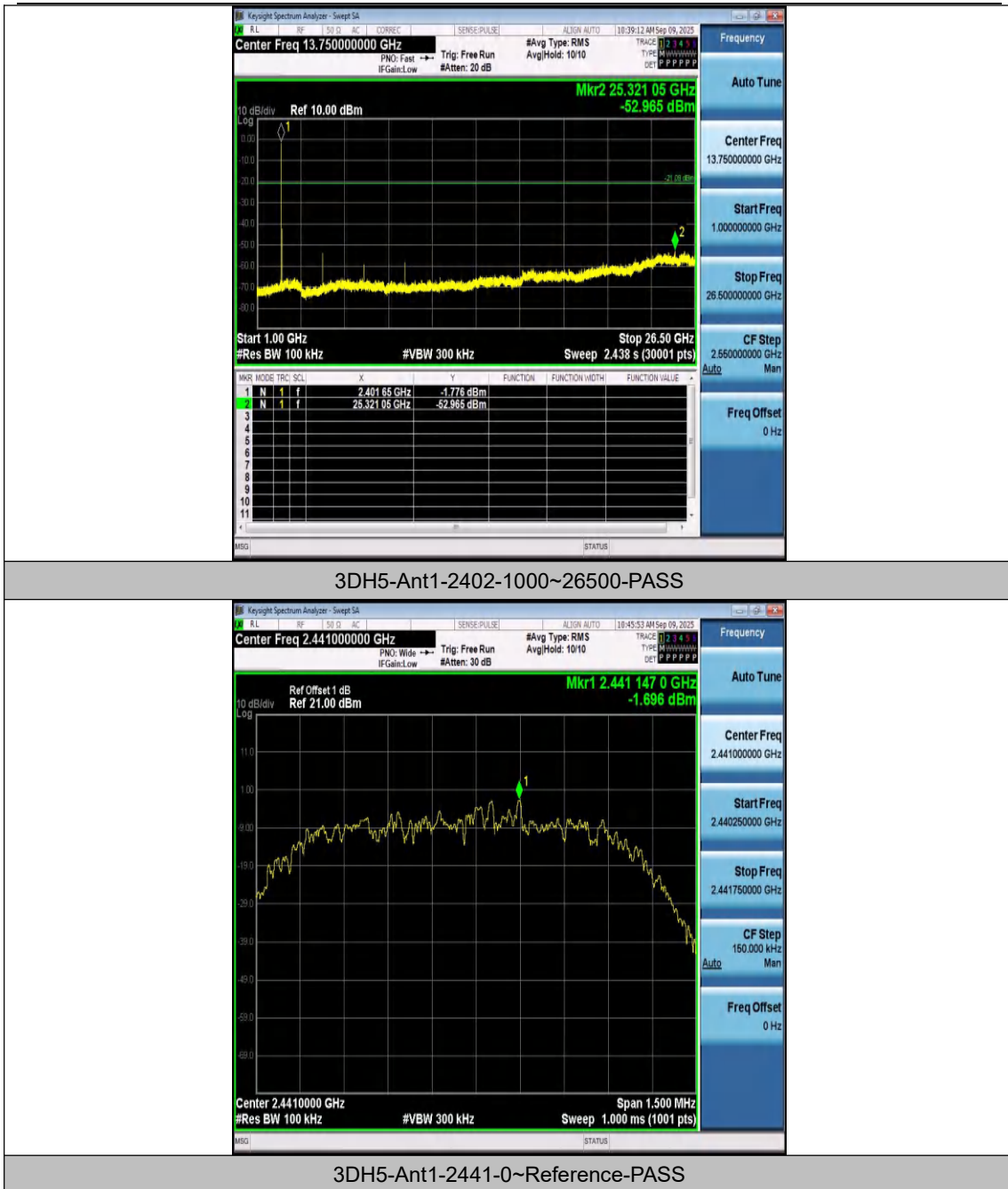




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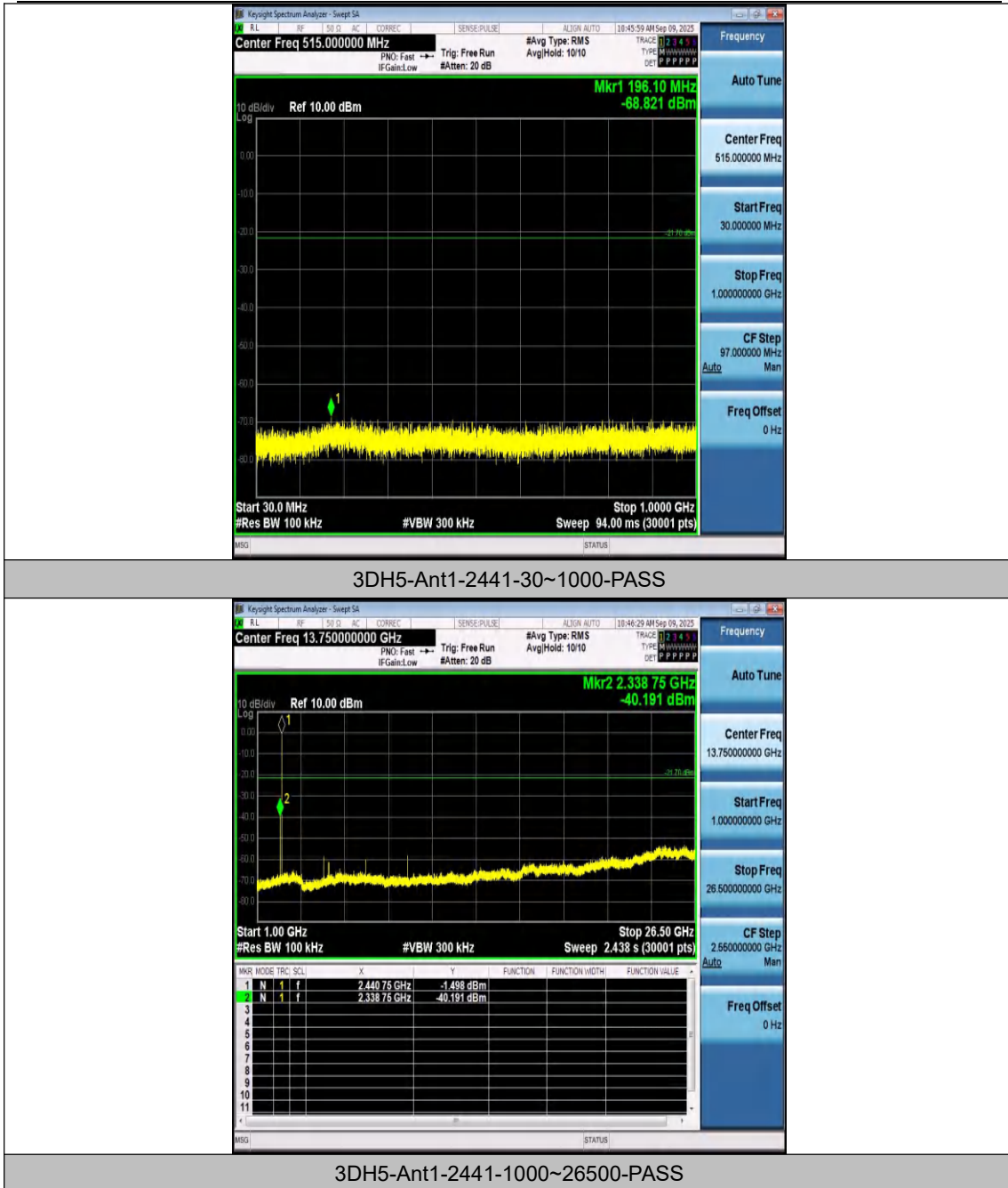
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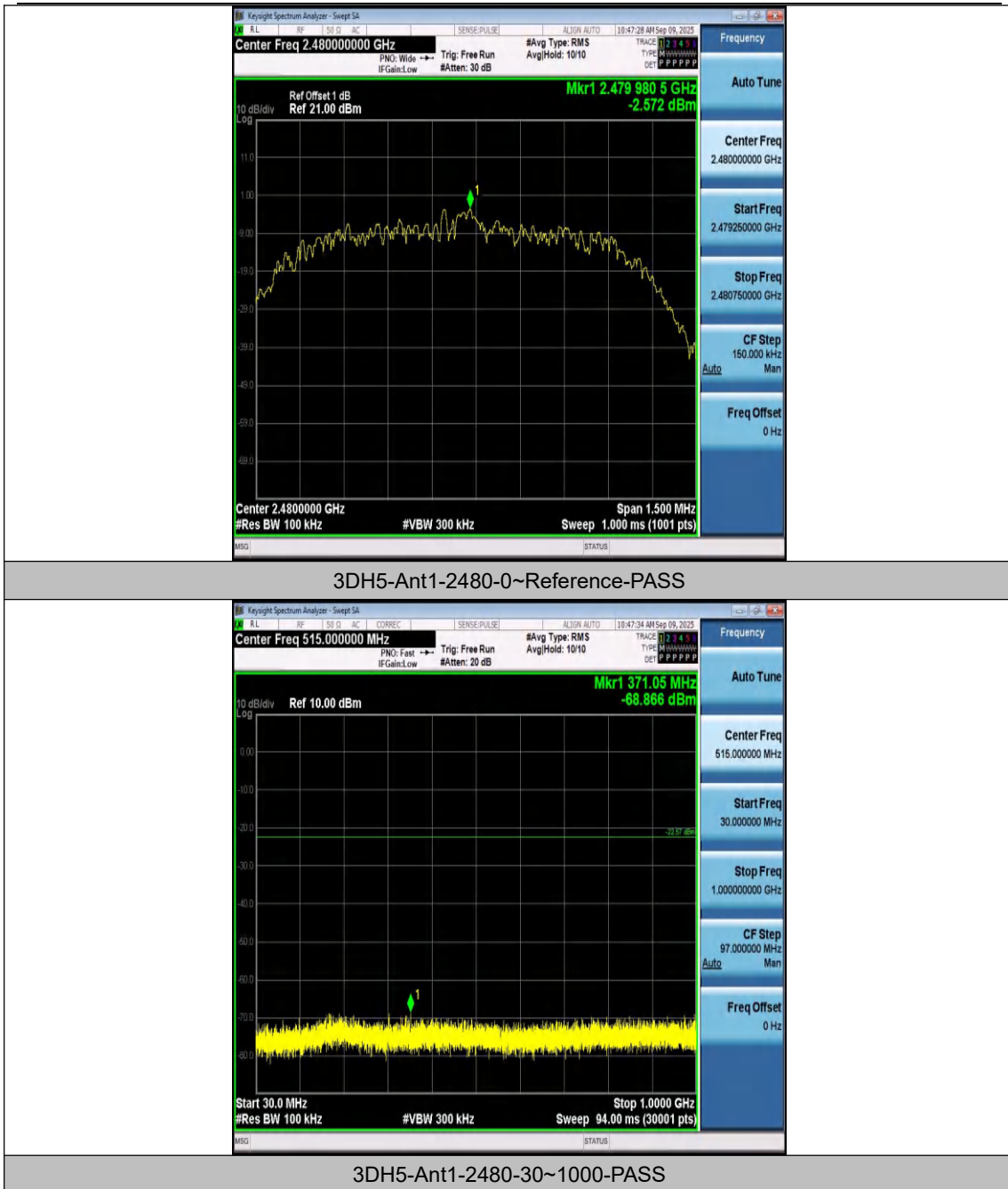
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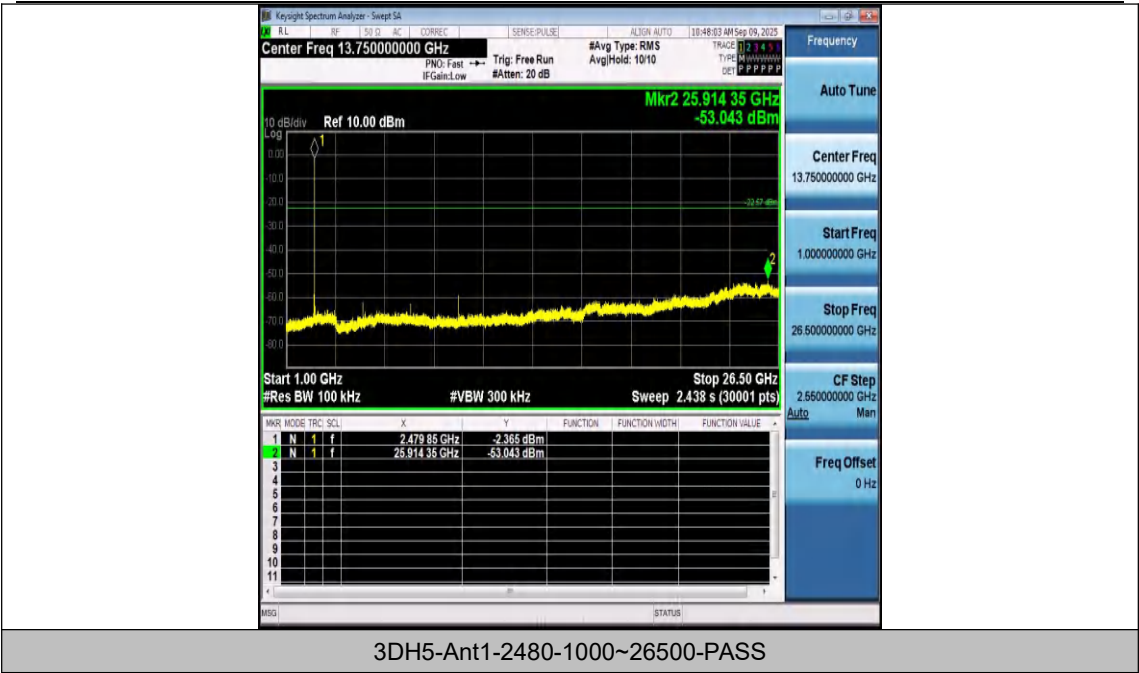
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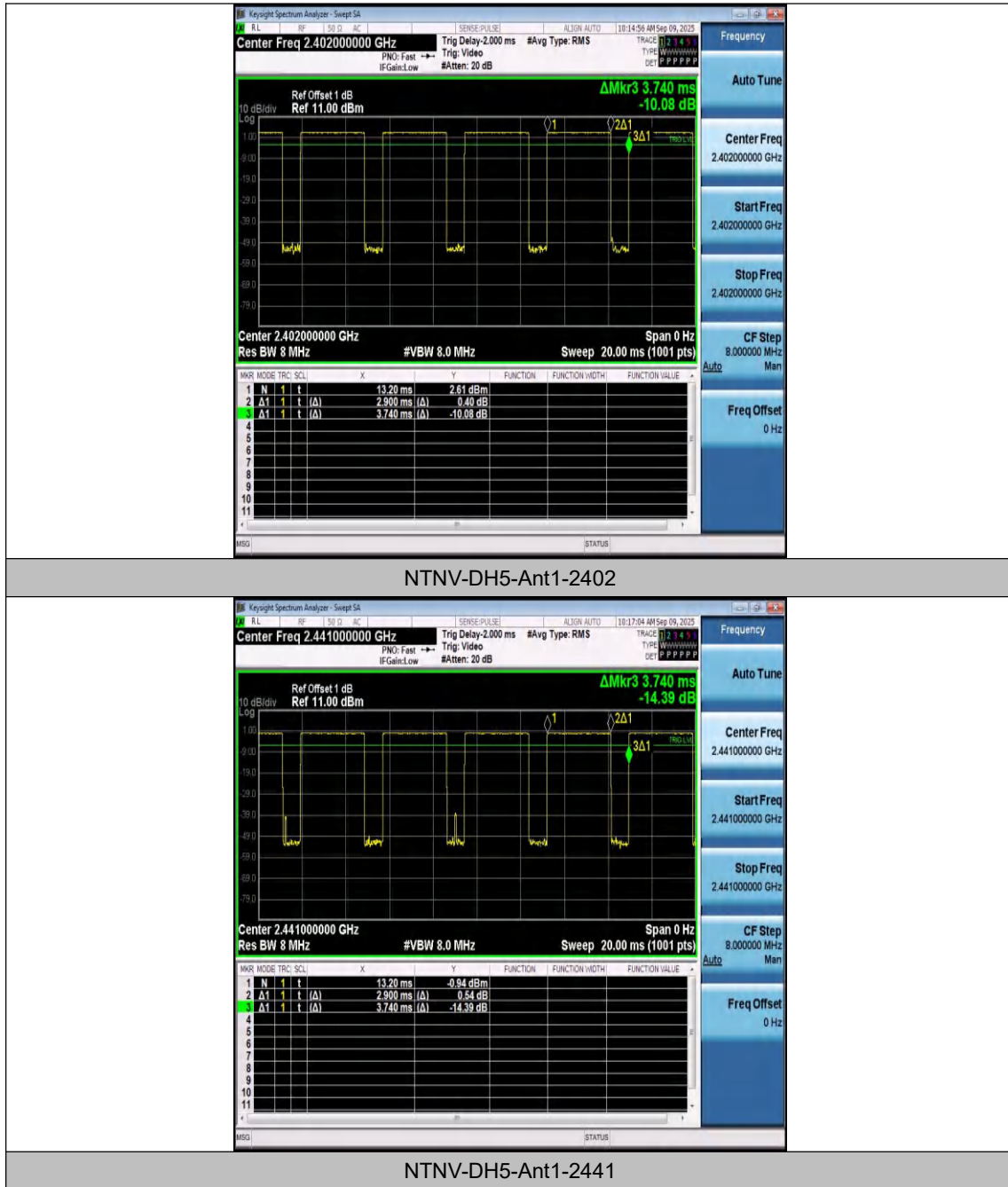
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.90	3.74	77.54	1.10
DH5	Ant1	2441	2.90	3.74	77.54	1.10
DH5	Ant1	2480	2.90	3.74	77.54	1.10
2DH5	Ant1	2402	2.92	3.76	77.66	1.10
2DH5	Ant1	2441	2.92	3.76	77.66	1.10
2DH5	Ant1	2480	2.92	3.76	77.66	1.10
3DH5	Ant1	2402	2.92	3.76	77.66	1.10
3DH5	Ant1	2441	2.92	3.76	77.66	1.10
3DH5	Ant1	2480	2.92	3.76	77.66	1.10

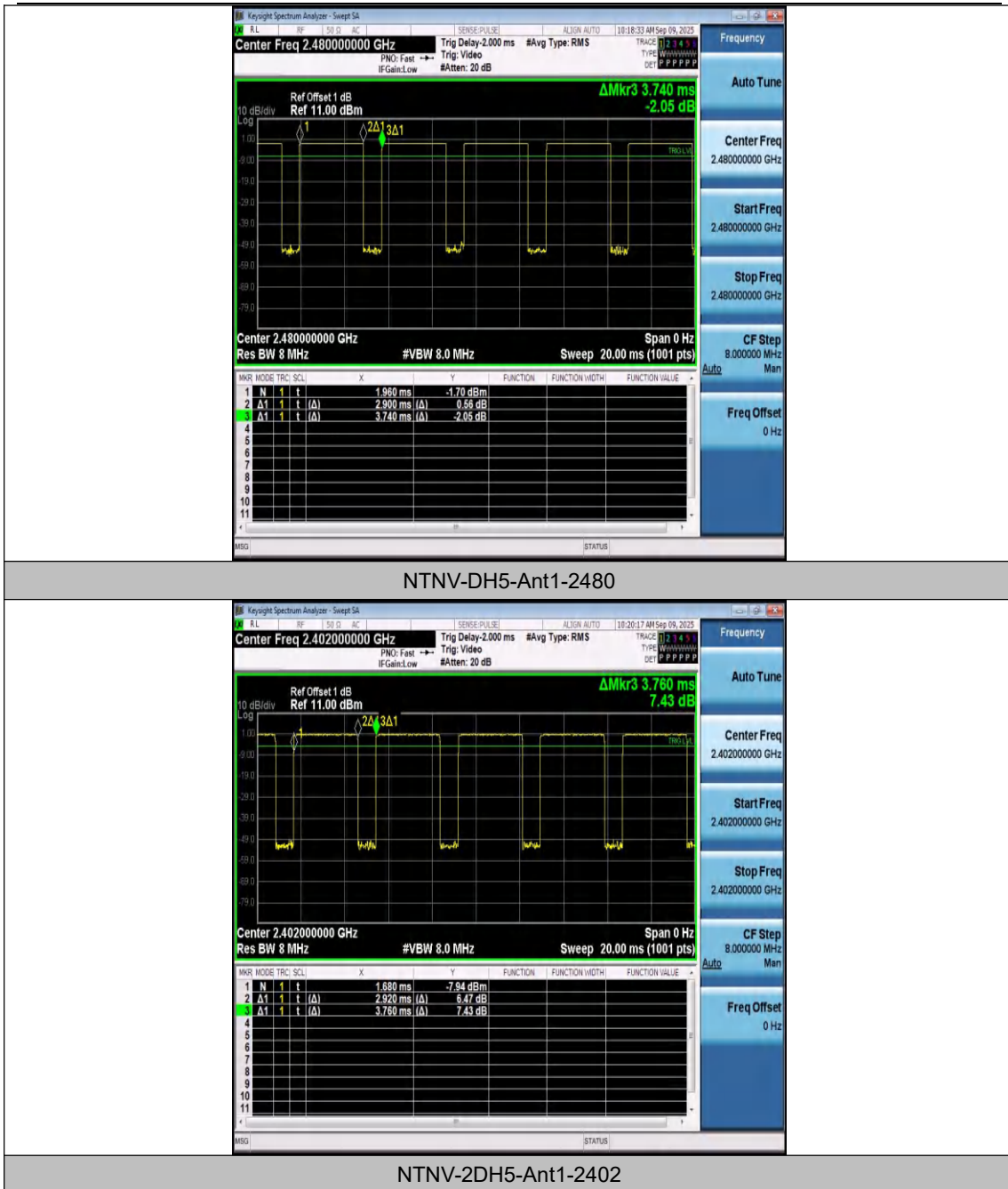
Test Graphs



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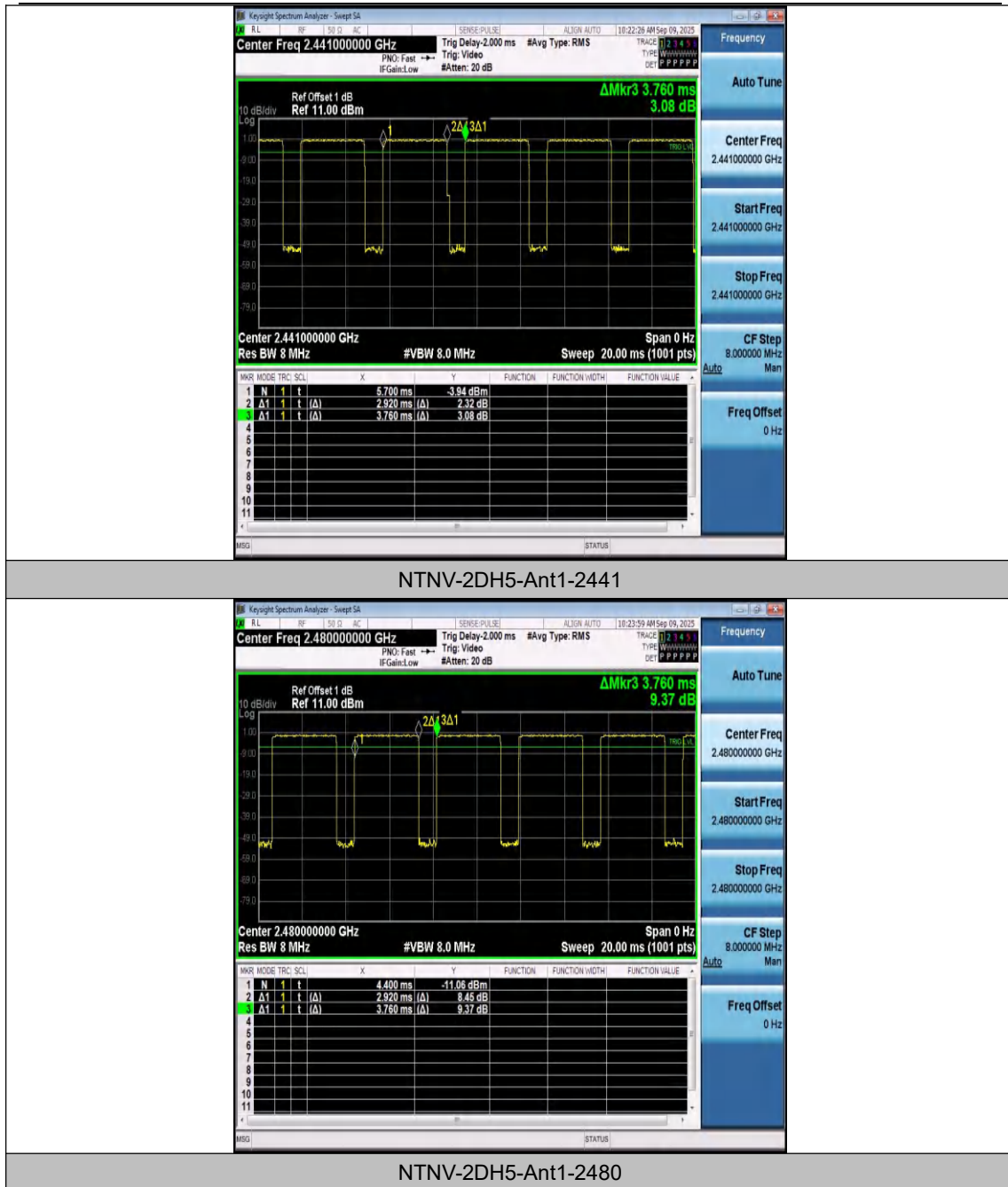
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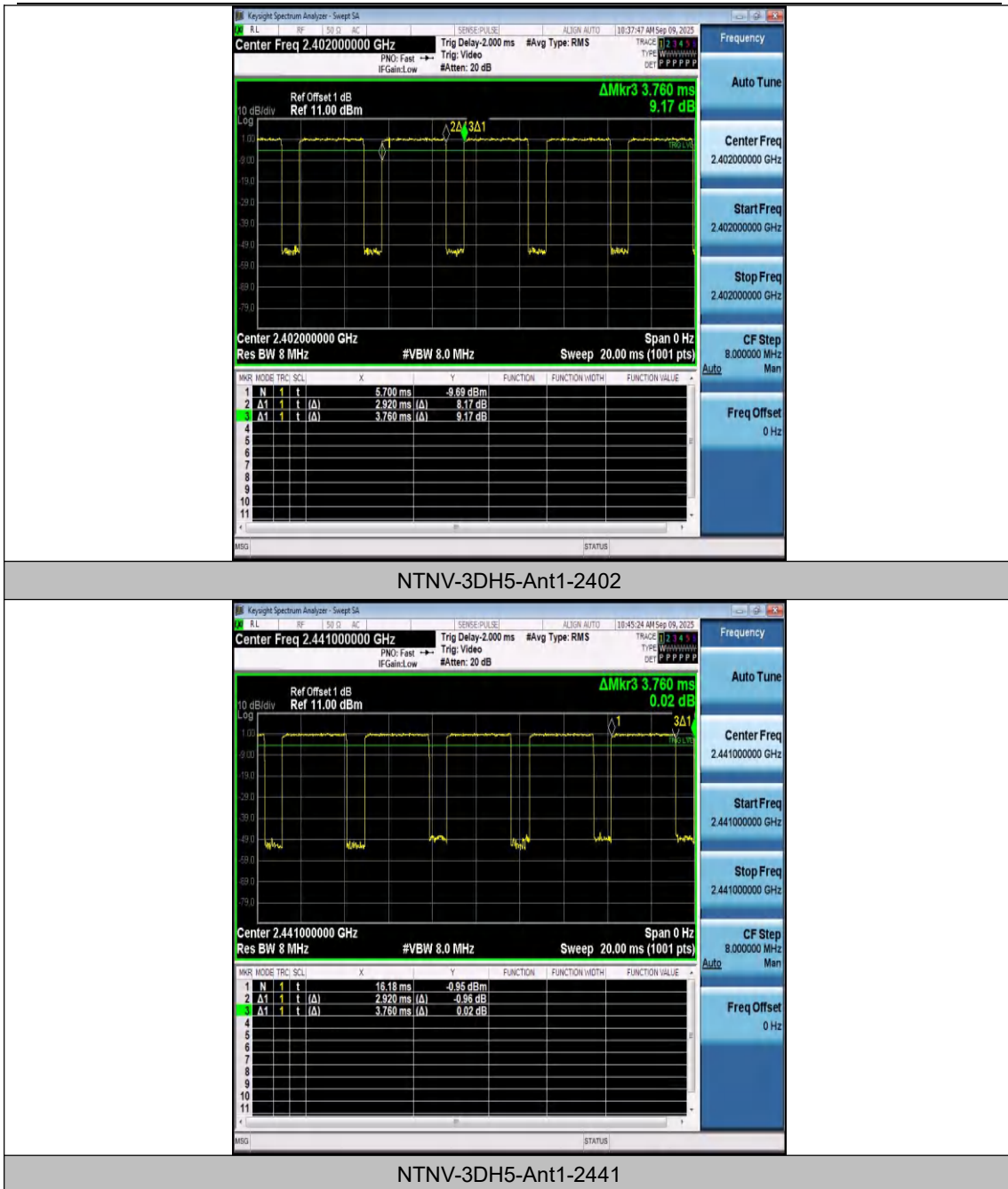


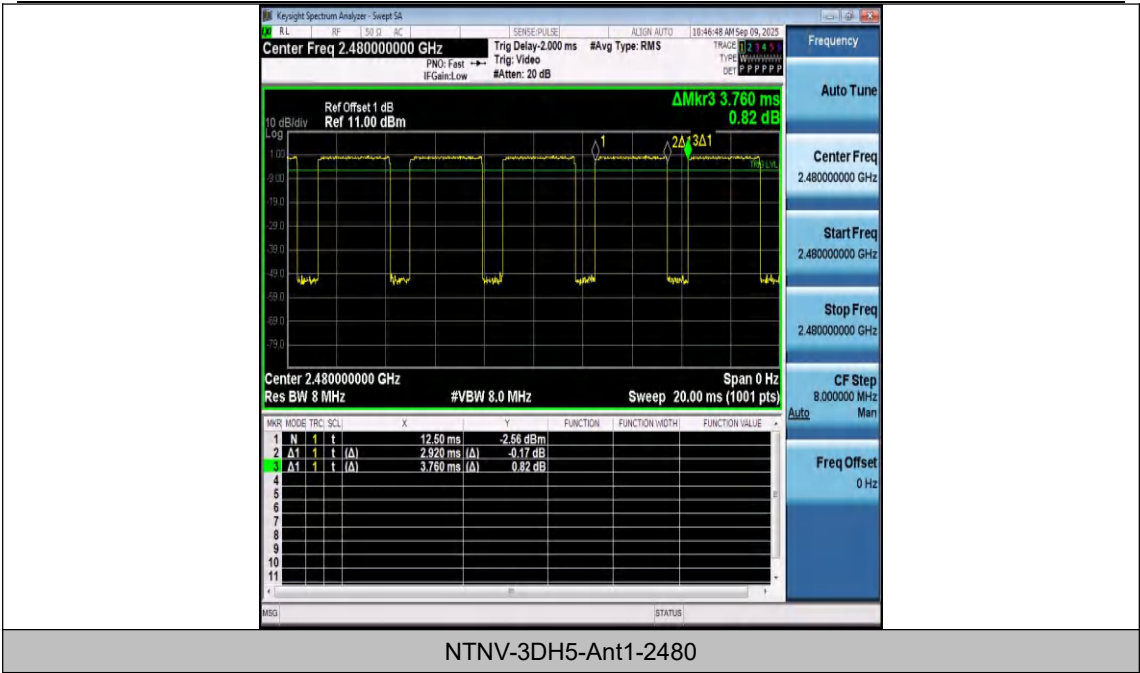
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NTNV-3DH5-Ant1-2480

---End---