

Appendix Test Data

Report No.:	1812C50435112501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-28	Finish Test Date:	2025-9-4
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.7°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	0.954	2401.562	2402.516	---	---
DH5	Ant1	2441	0.951	2440.562	2441.513	---	---
DH5	Ant1	2480	0.966	2479.553	2480.519	---	---
2DH5	Ant1	2402	1.332	2401.361	2402.693	---	---
2DH5	Ant1	2441	1.281	2440.397	2441.678	---	---
2DH5	Ant1	2480	1.284	2479.394	2480.678	---	---
3DH5	Ant1	2402	1.290	2401.379	2402.669	---	---
3DH5	Ant1	2441	1.299	2440.379	2441.678	---	---
3DH5	Ant1	2480	1.269	2479.388	2480.657	---	---

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	0.87667	2401.5898	2402.4665	---	---
DH5	Ant1	2441	0.86256	2440.5939	2441.4565	---	---
DH5	Ant1	2480	0.86916	2479.5899	2480.4590	---	---
2DH5	Ant1	2402	1.1808	2401.4366	2402.6174	---	---
2DH5	Ant1	2441	1.1834	2440.4396	2441.6230	---	---
2DH5	Ant1	2480	1.1807	2479.4349	2480.6156	---	---
3DH5	Ant1	2402	1.2076	2401.4209	2402.6285	---	---
3DH5	Ant1	2441	1.1967	2440.4284	2441.6251	---	---
3DH5	Ant1	2480	1.1923	2479.4284	2480.6207	---	---

Test Graphs



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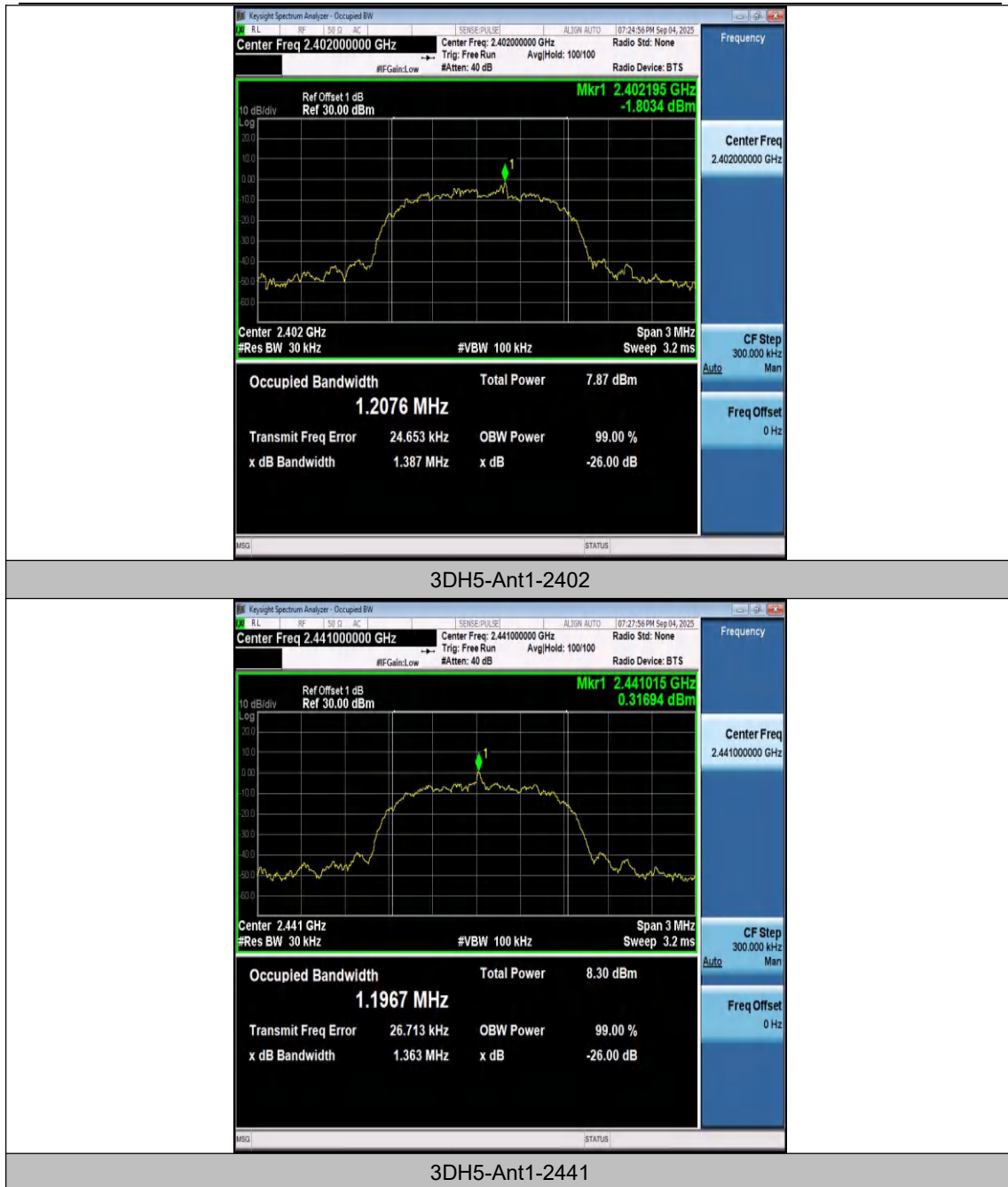
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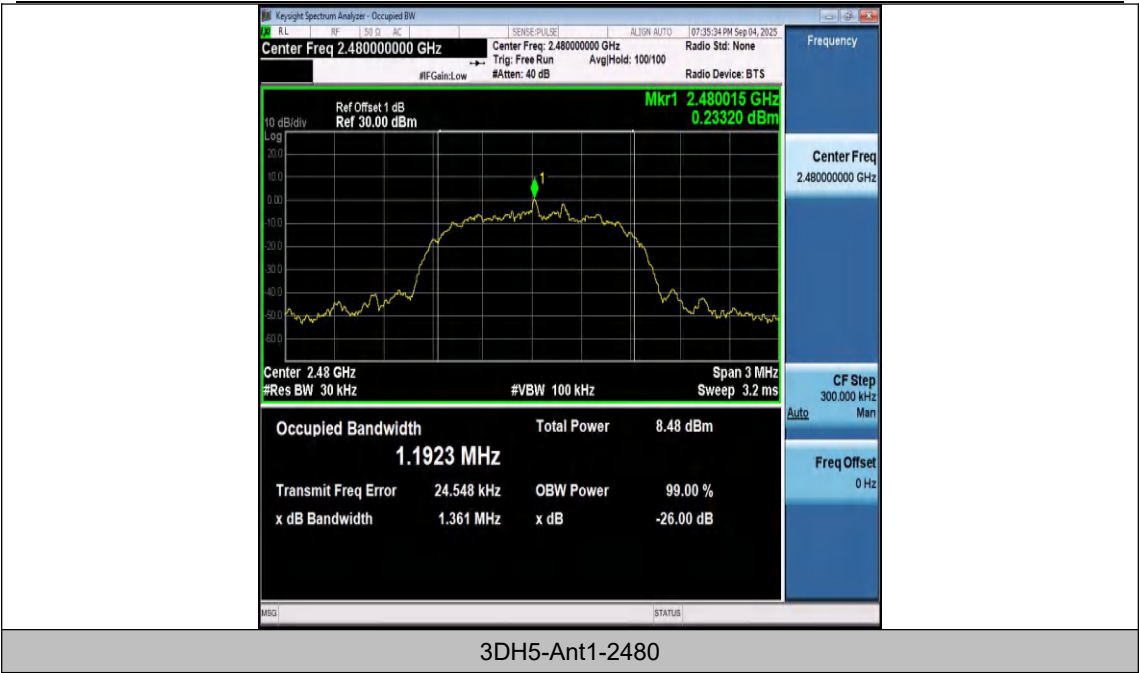
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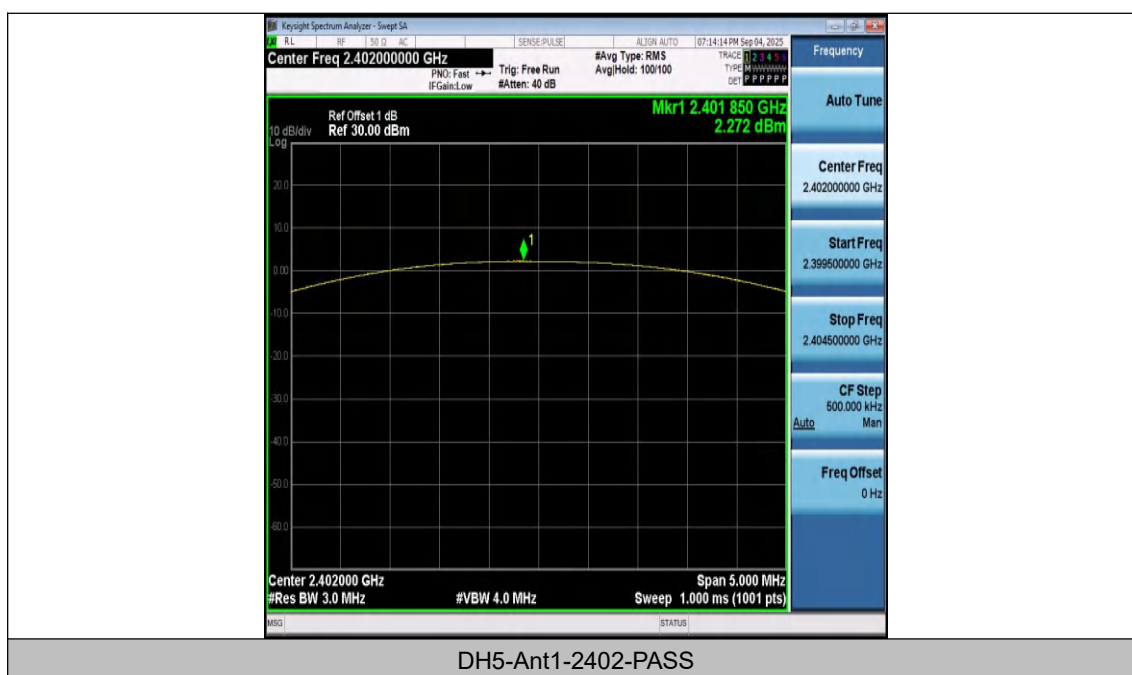
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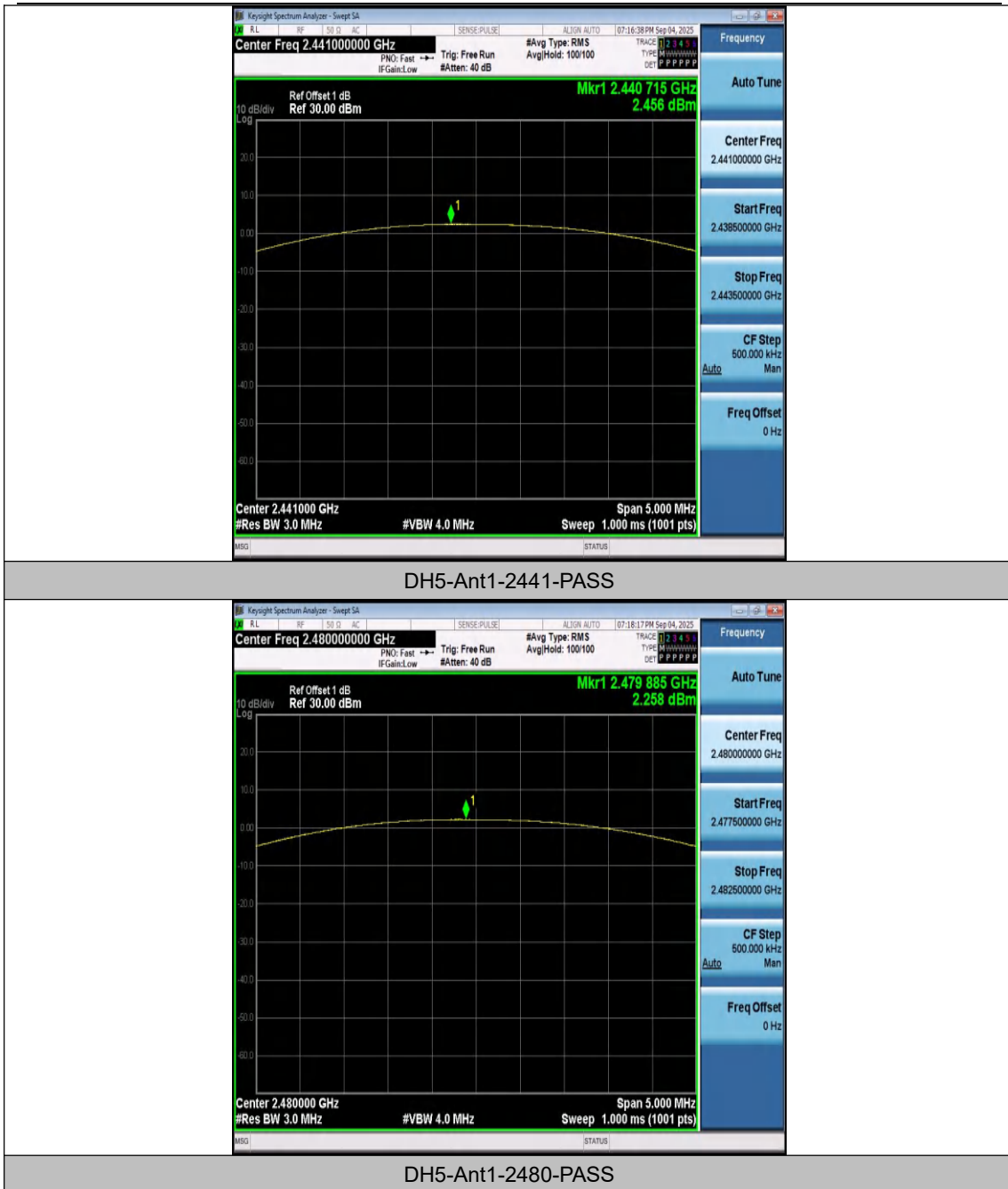
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.27	≤20.97	PASS
DH5	Ant1	2441	2.46	≤20.97	PASS
DH5	Ant1	2480	2.26	≤20.97	PASS
2DH5	Ant1	2402	3.15	≤20.97	PASS
2DH5	Ant1	2441	3.34	≤20.97	PASS
2DH5	Ant1	2480	3.19	≤20.97	PASS
3DH5	Ant1	2402	3.66	≤20.97	PASS
3DH5	Ant1	2441	3.77	≤20.97	PASS
3DH5	Ant1	2480	3.60	≤20.97	PASS

Test Graphs

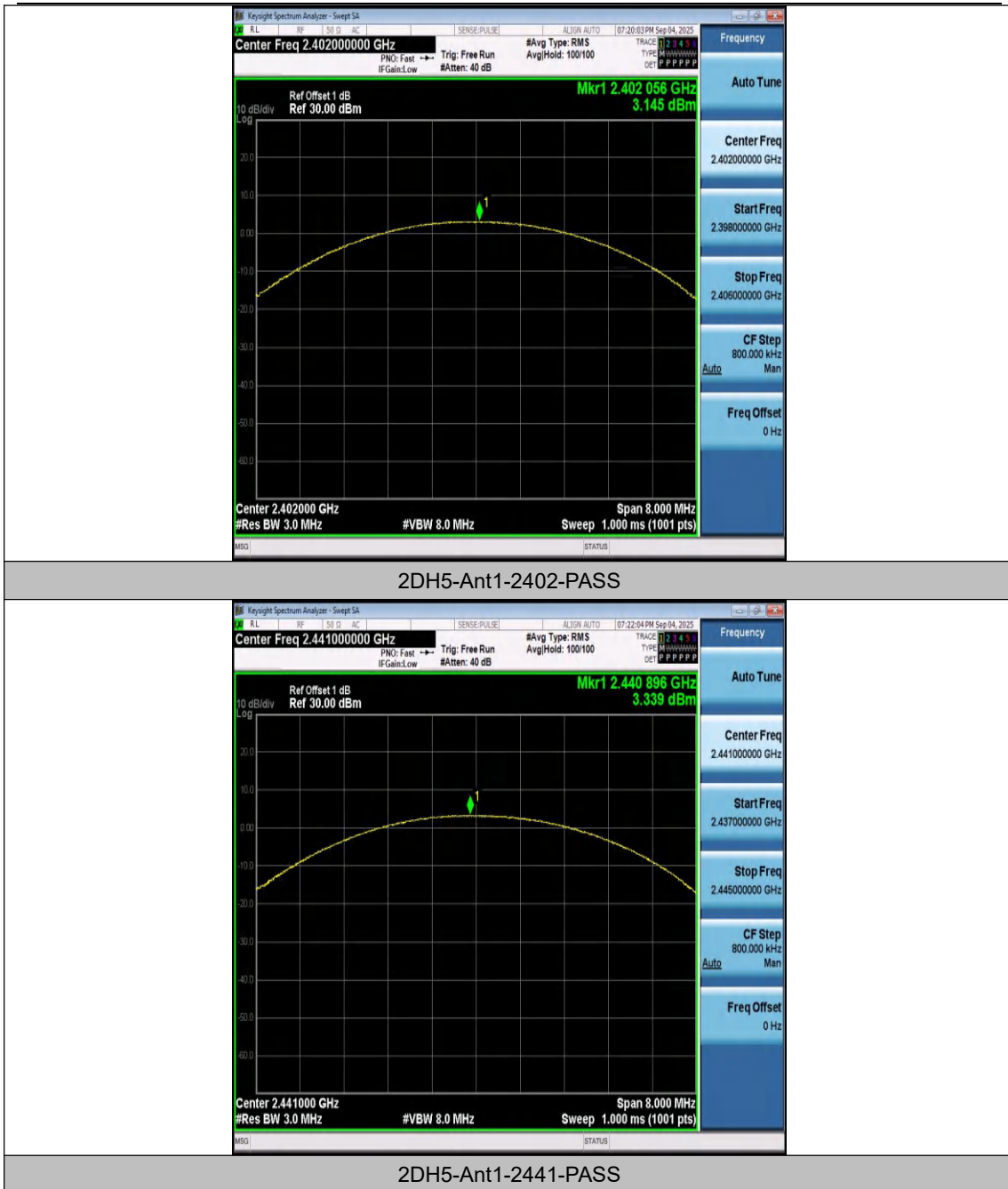




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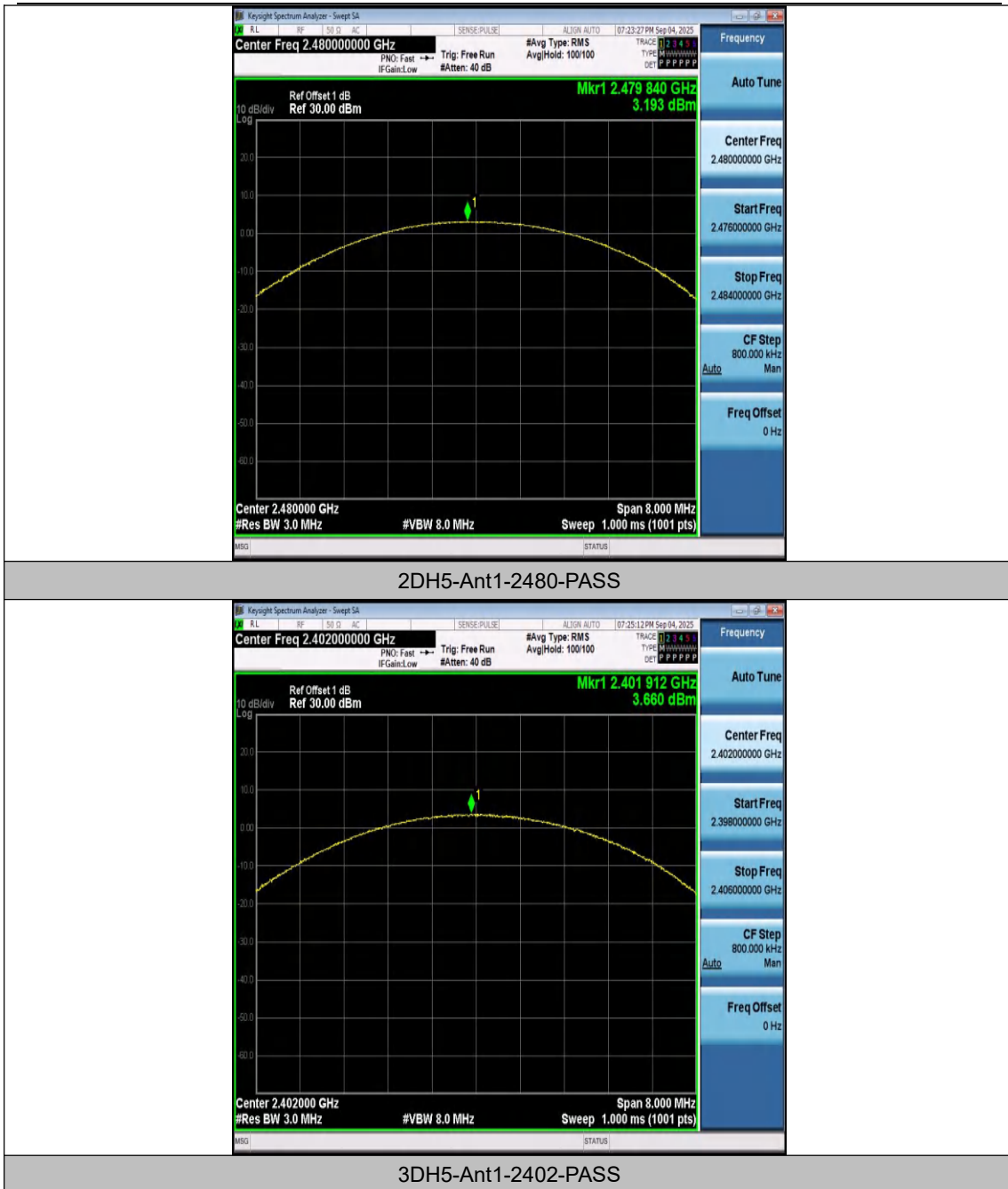
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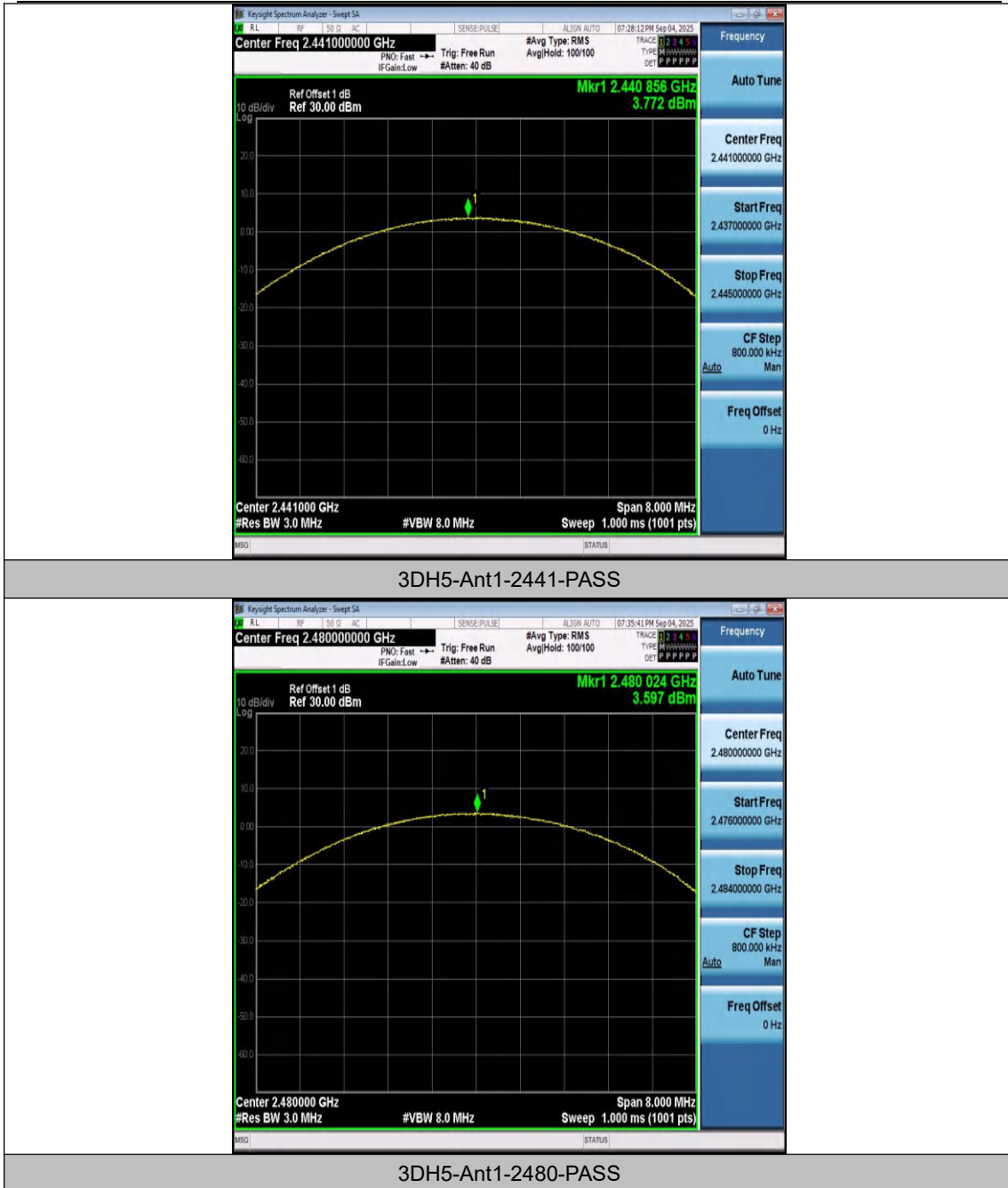
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.966	PASS
2DH5	Ant1	Hop	0.994	≥ 0.888	PASS
3DH5	Ant1	Hop	0.984	≥ 0.866	PASS

Test Graphs



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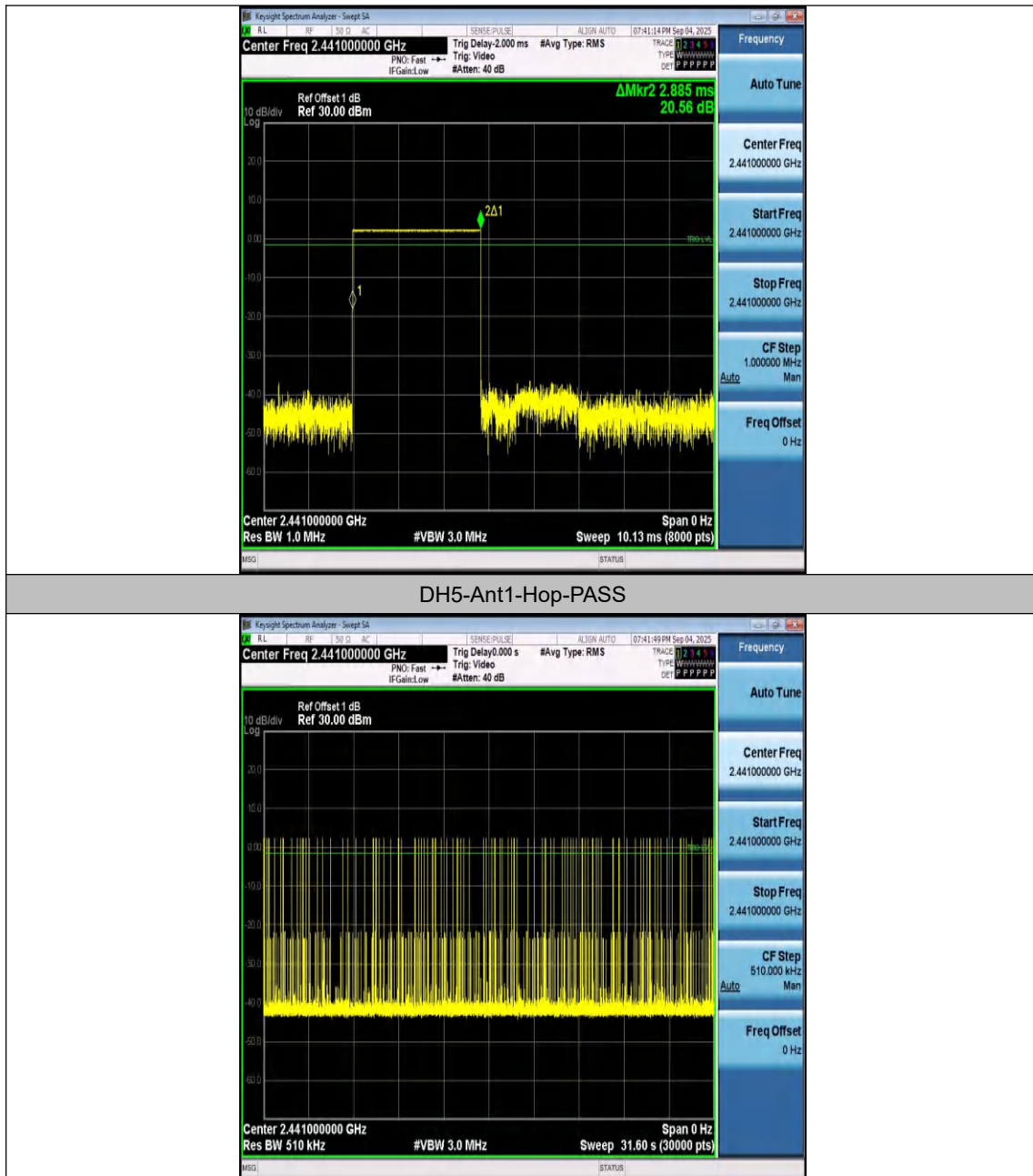
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	102	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.891	112	0.324	≤0.4	PASS
3DH5	Ant1	Hop	2.892	120	0.347	≤0.4	PASS

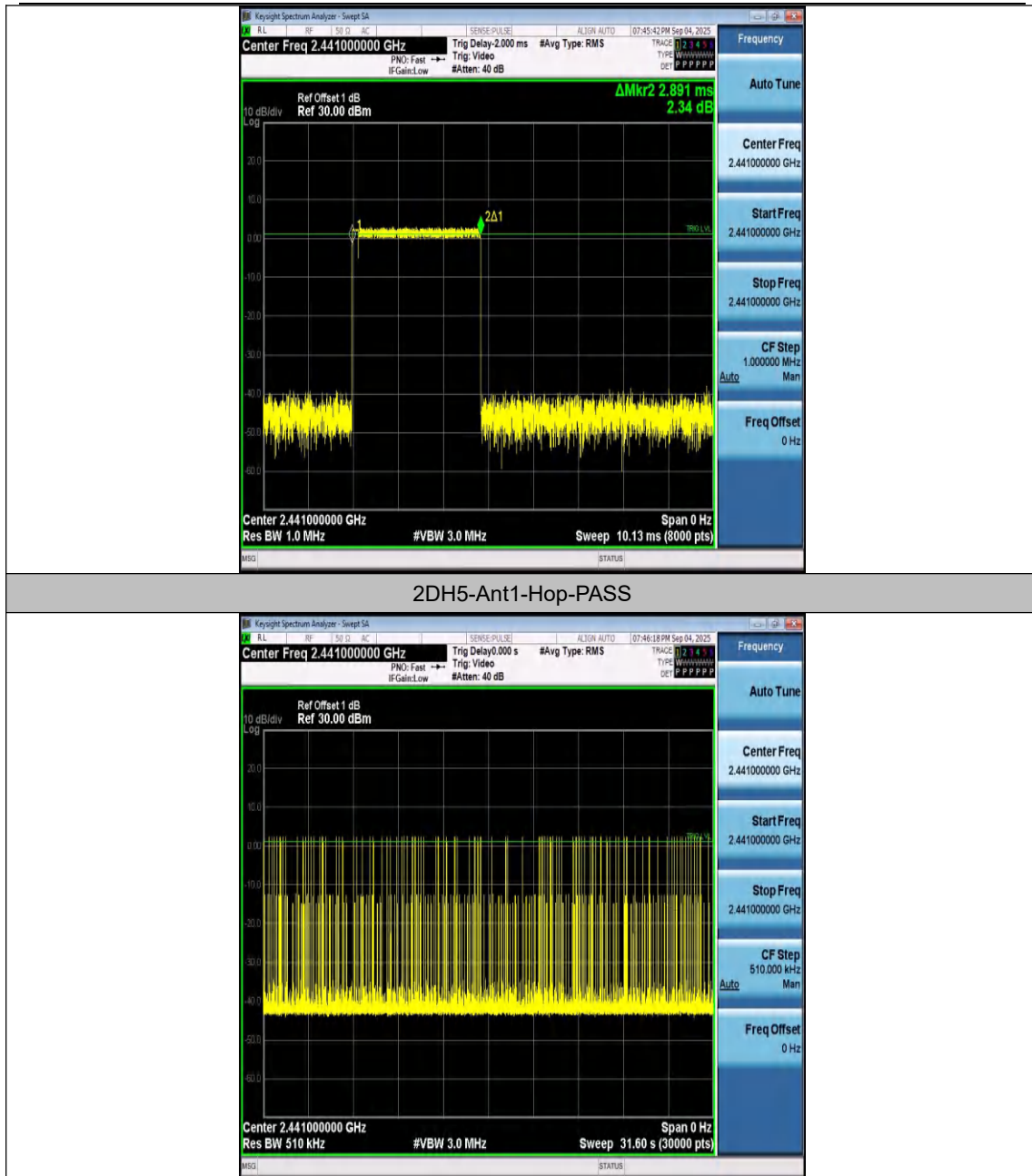
Test Graphs



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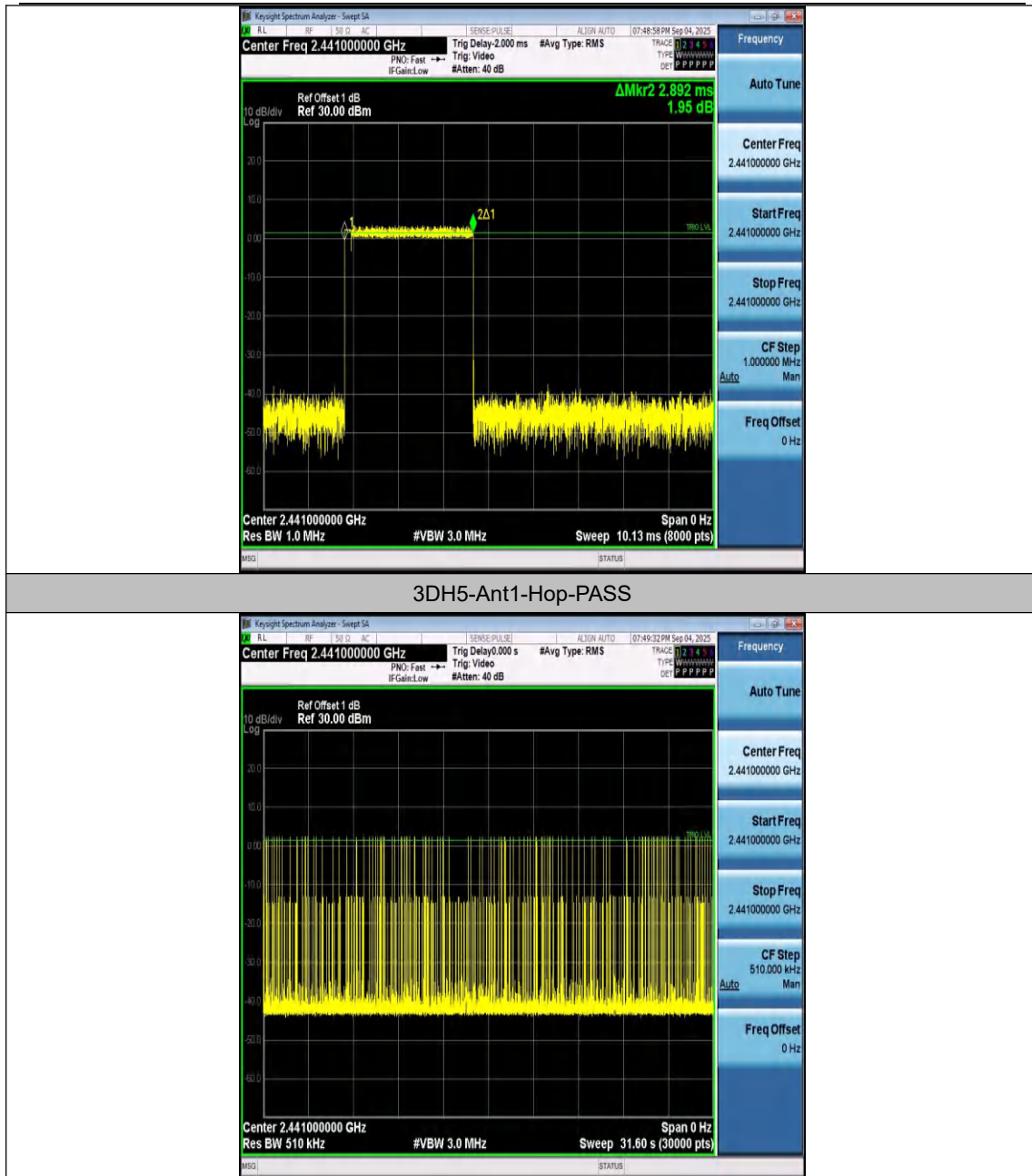
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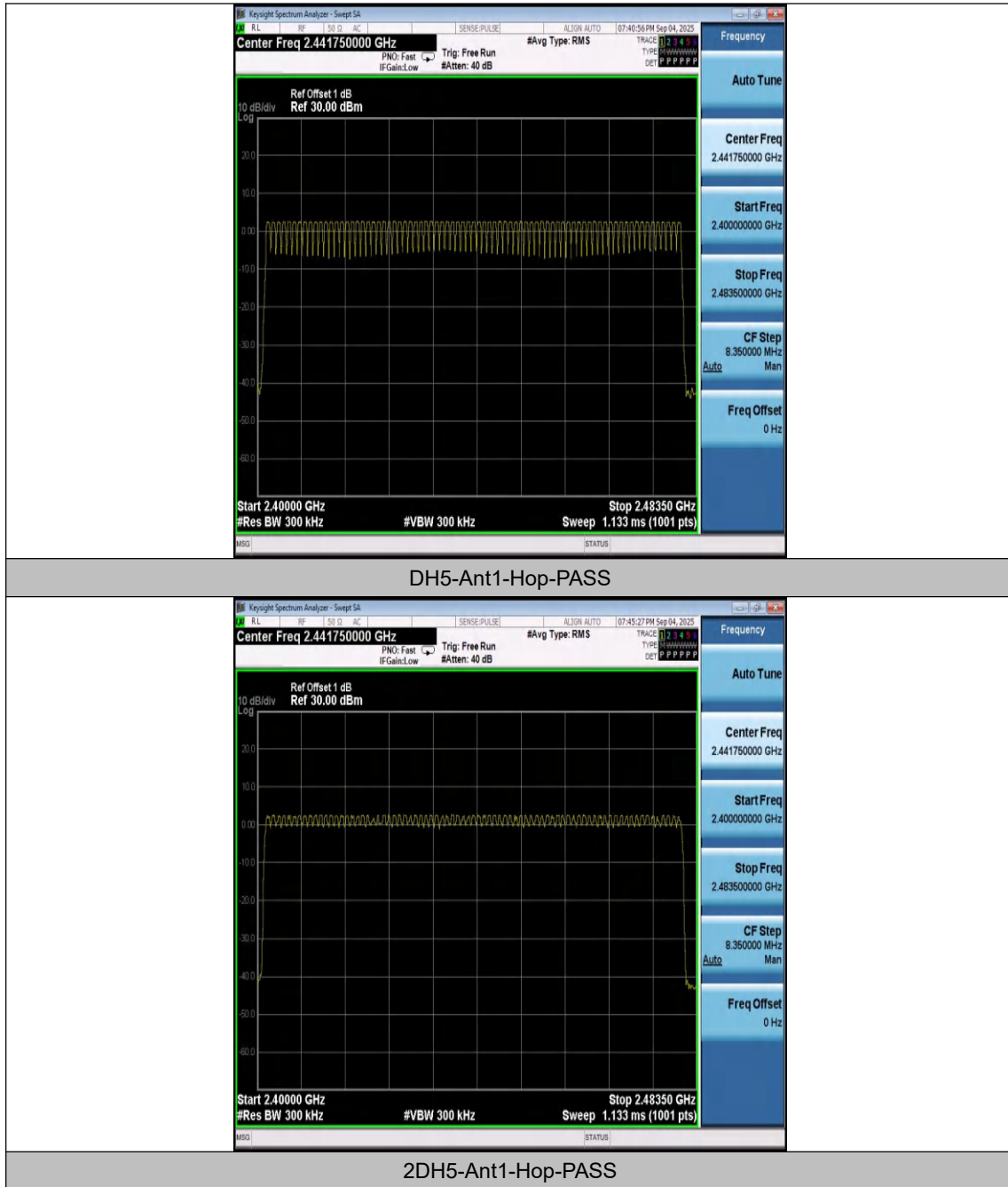
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Appendix F: Number of Hopping Channel

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

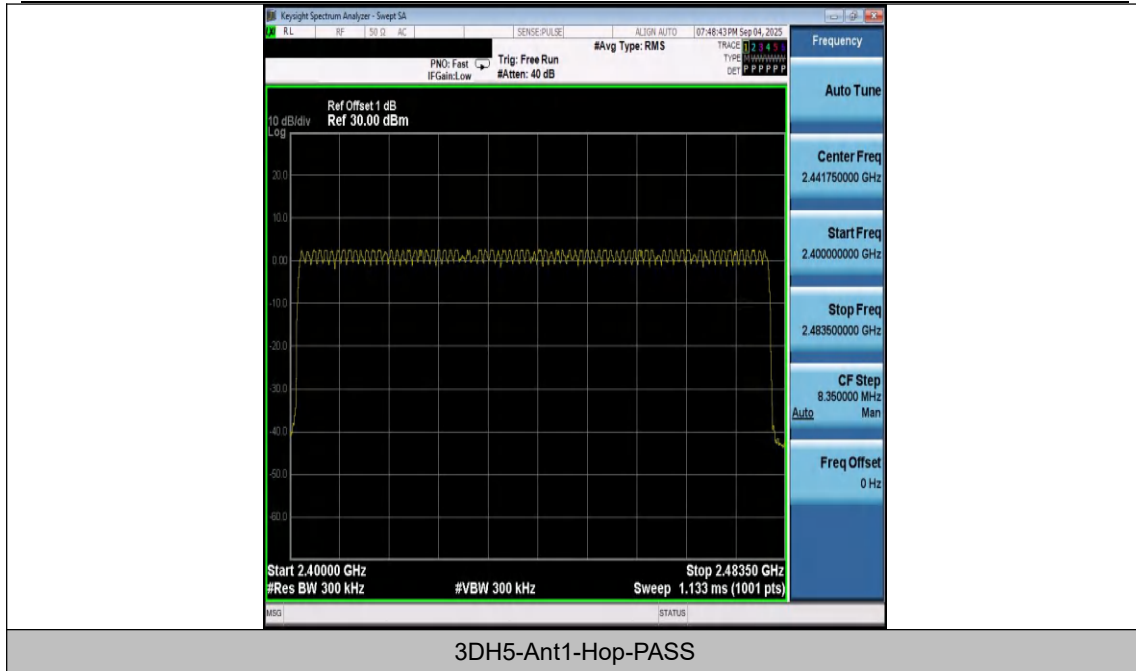
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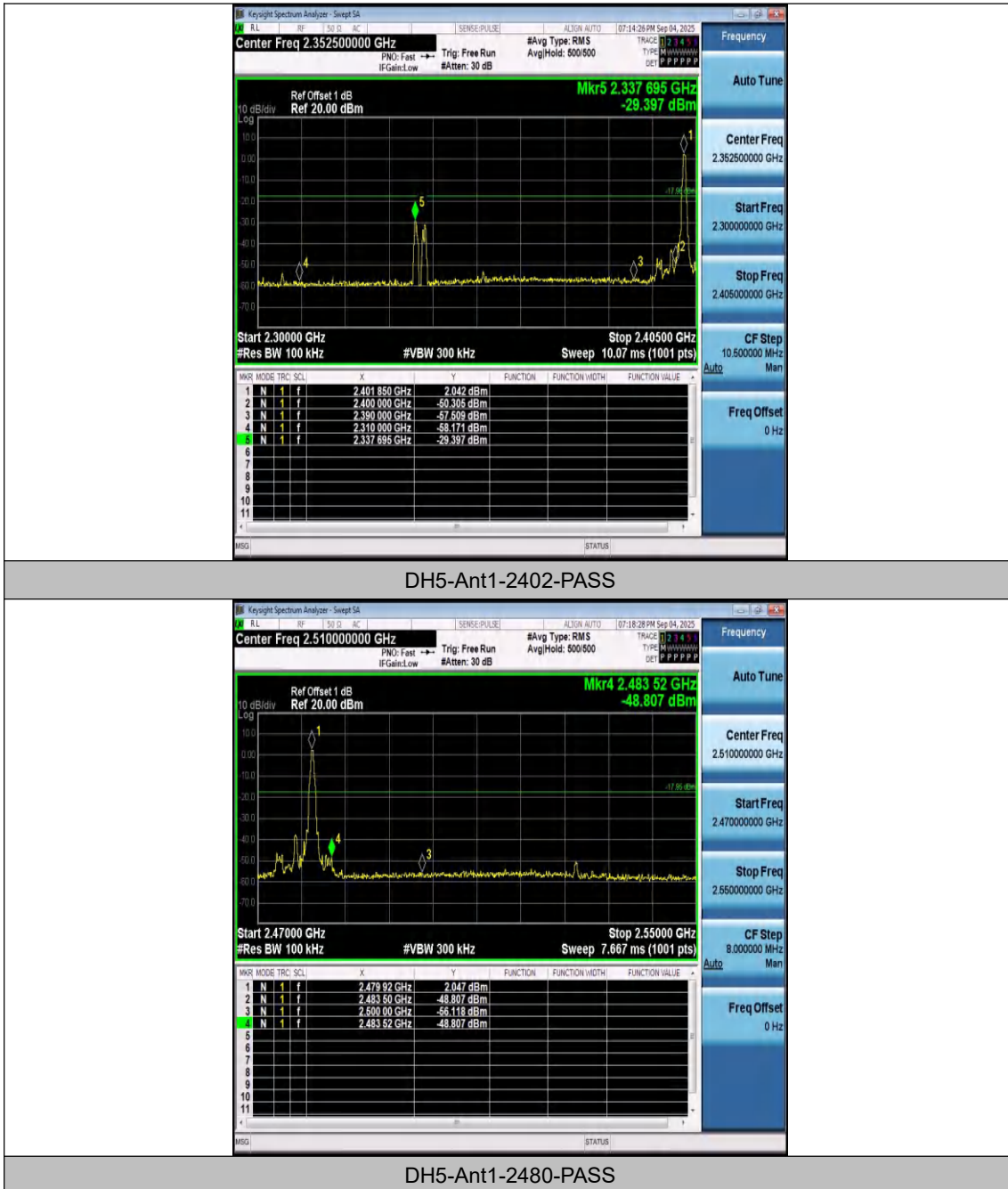
Appendix G: Conducted Band edge

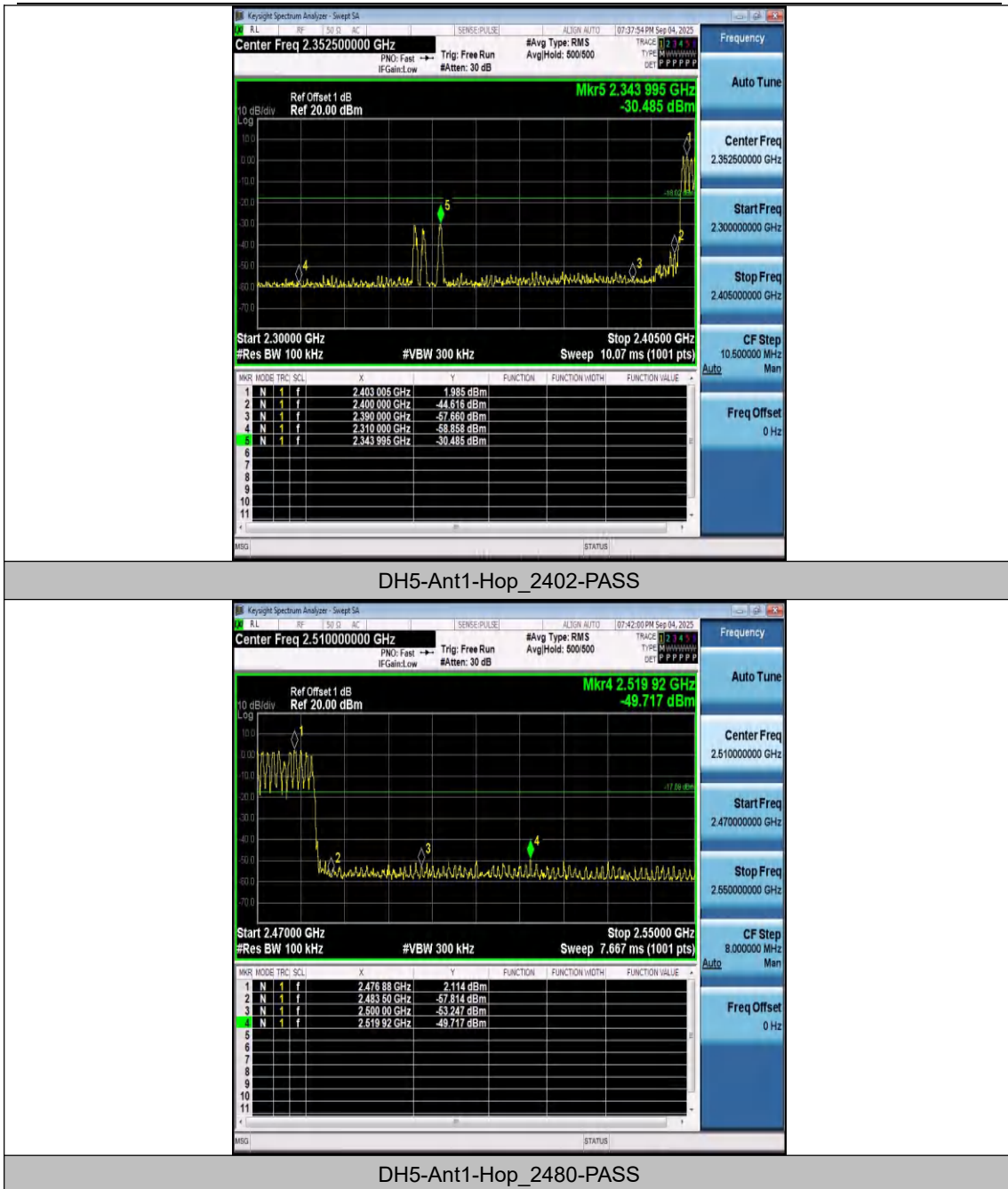
Test Result

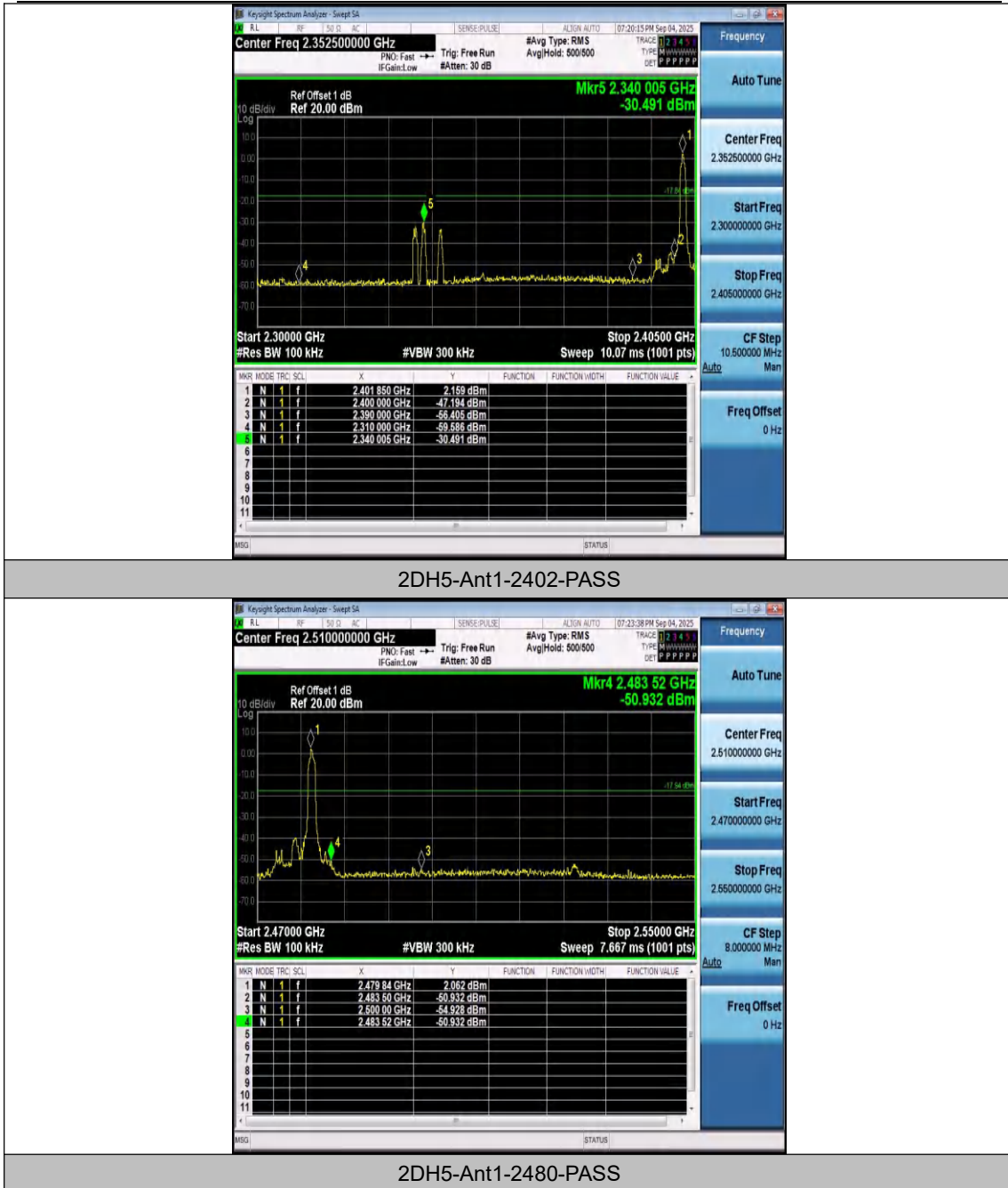
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.04	-29.4	≤-17.96	PASS
DH5	Ant1	High	2480	2.05	-48.81	≤-17.95	PASS
DH5	Ant1	Low	Hop_2402	1.99	-30.49	≤-18.02	PASS
DH5	Ant1	High	Hop_2480	2.11	-49.72	≤-17.89	PASS
2DH5	Ant1	Low	2402	2.16	-30.49	≤-17.84	PASS
2DH5	Ant1	High	2480	2.06	-50.93	≤-17.94	PASS
2DH5	Ant1	Low	Hop_2402	1.04	-28.35	≤-18.96	PASS
2DH5	Ant1	High	Hop_2480	2.30	-51.09	≤-17.7	PASS
3DH5	Ant1	Low	2402	2.12	-29.52	≤-17.88	PASS
3DH5	Ant1	High	2480	2.24	-47.99	≤-17.76	PASS
3DH5	Ant1	Low	Hop_2402	0.55	-27.81	≤-19.46	PASS
3DH5	Ant1	High	Hop_2480	2.26	-50.44	≤-17.74	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.

Test Graphs



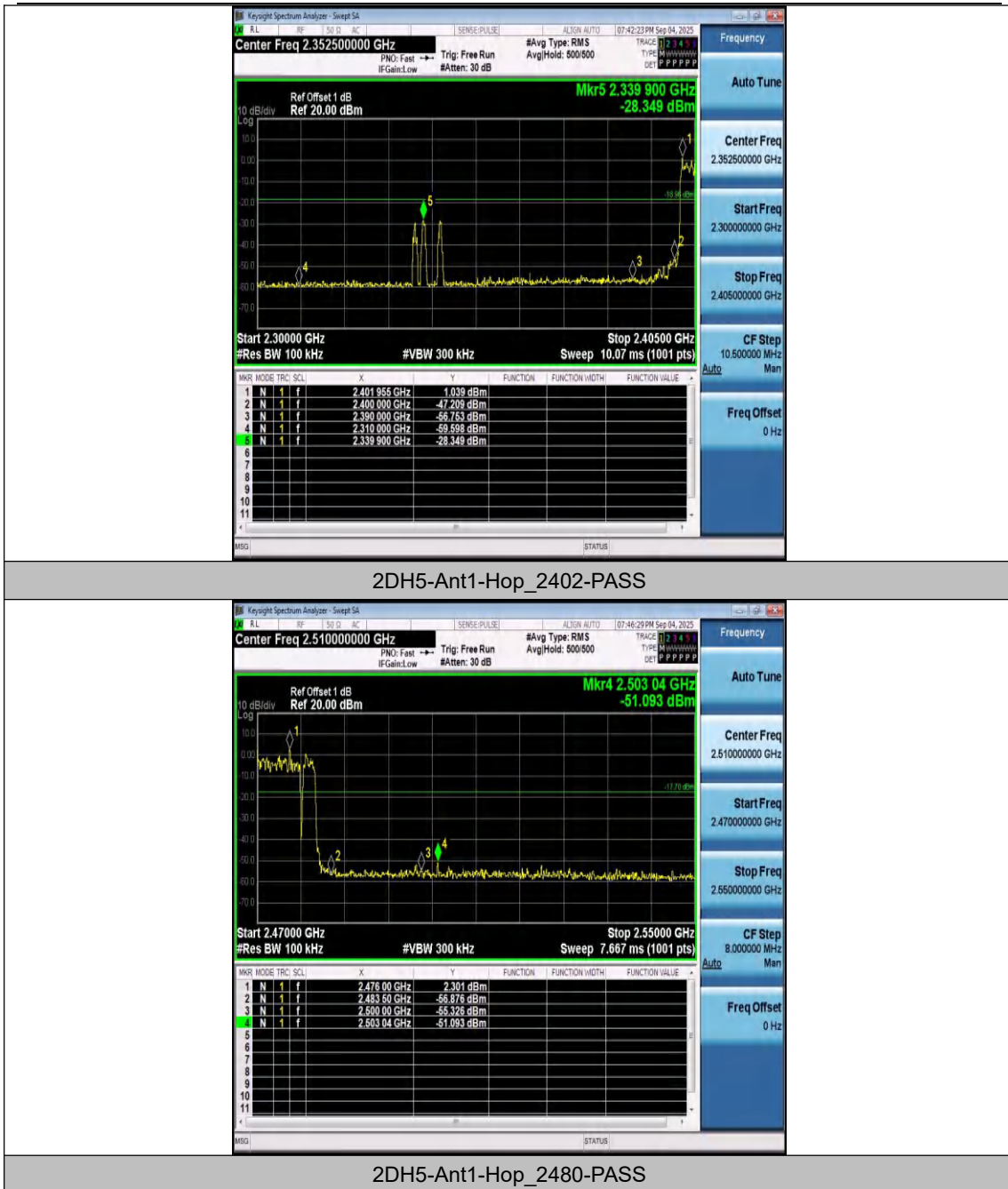


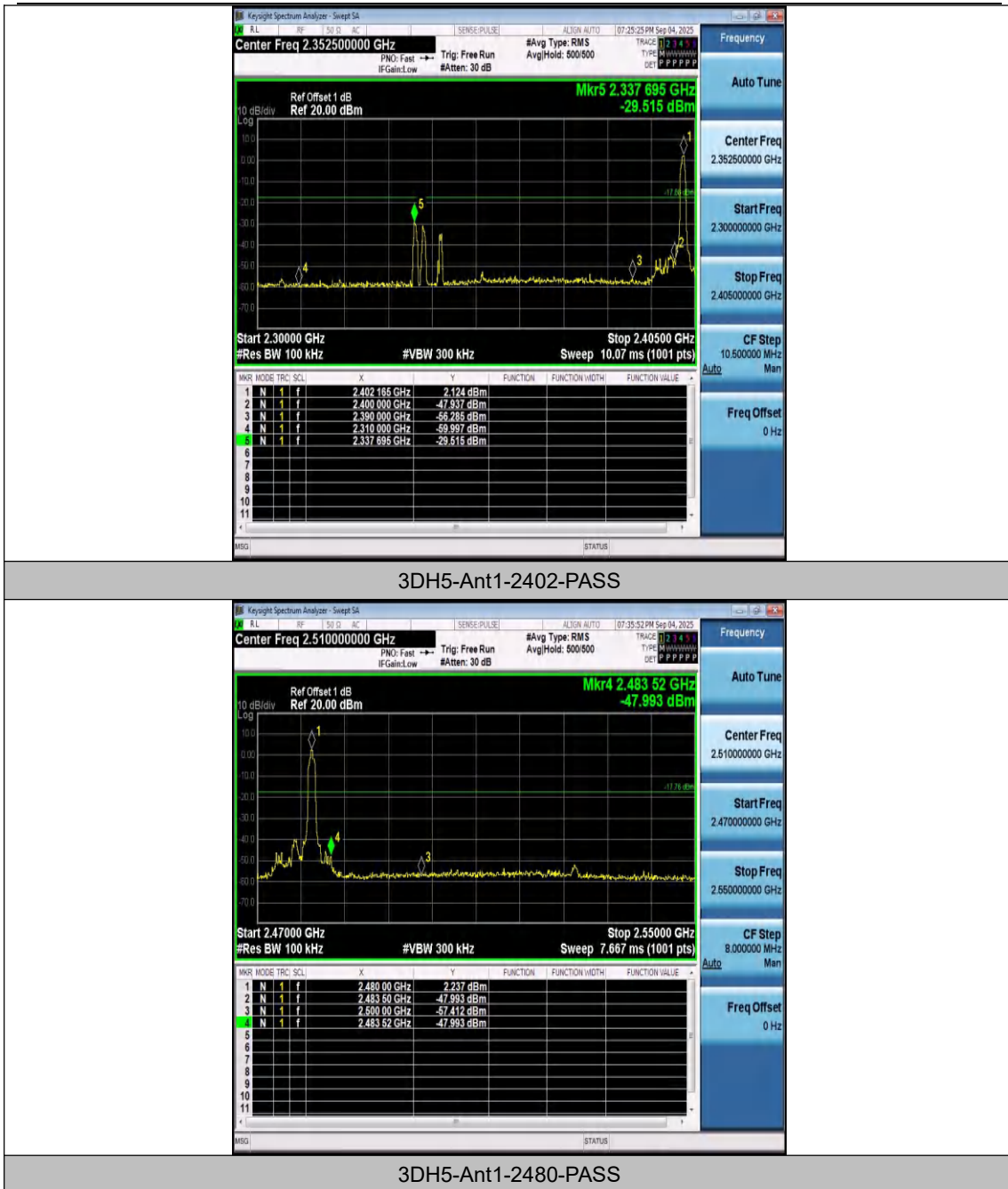


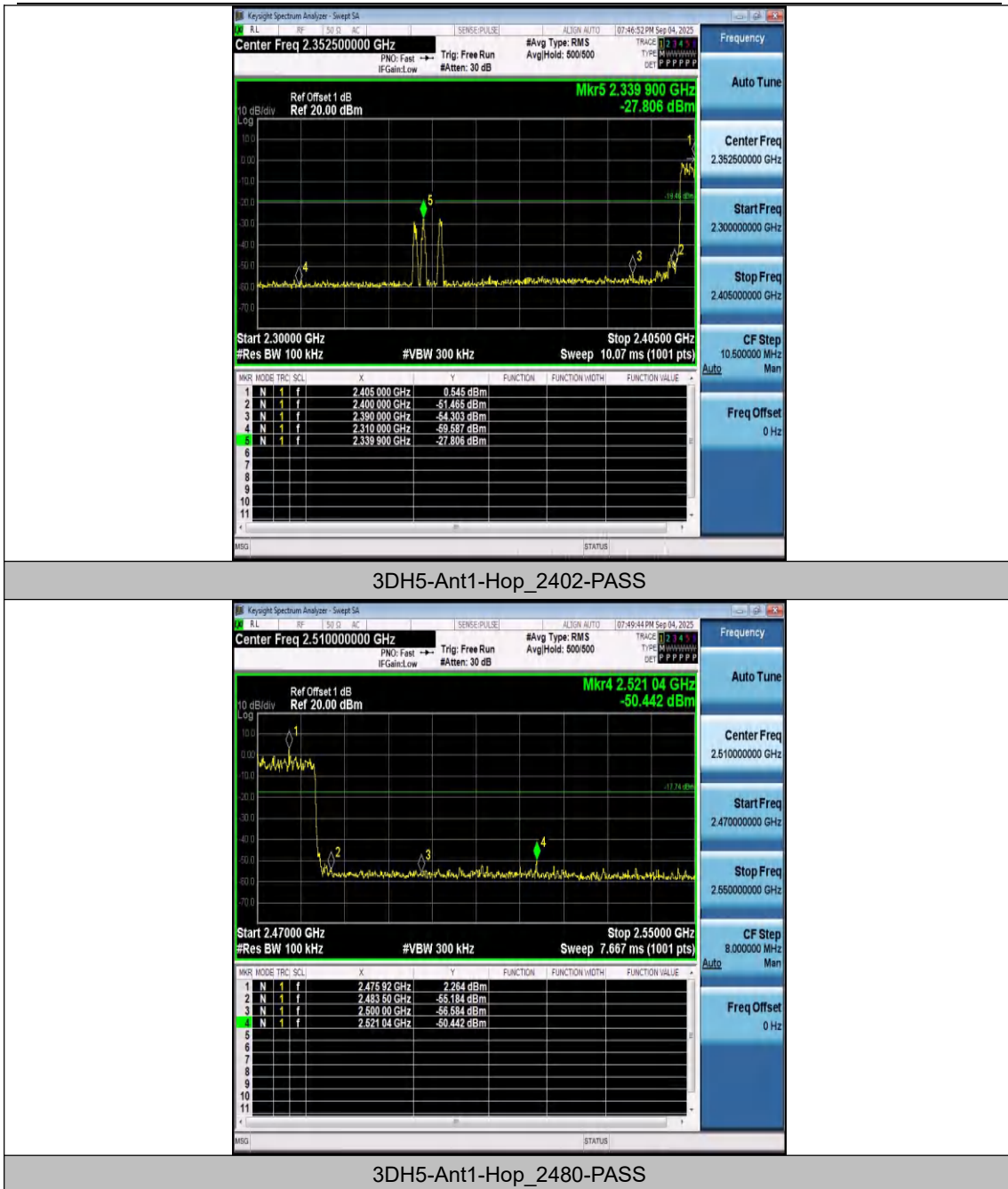
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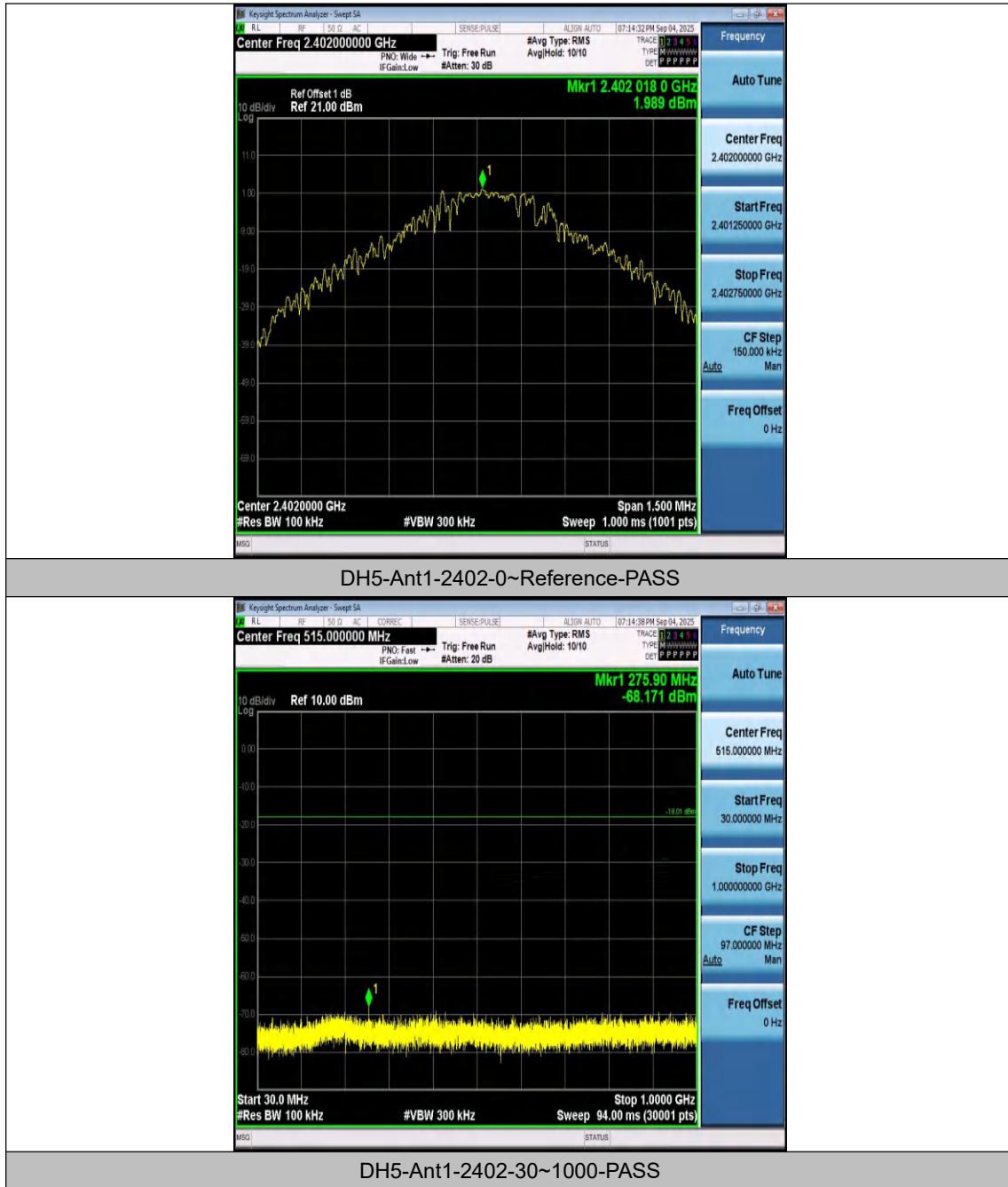
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.99	1.99	---	PASS
DH5	Ant1	2402	30~1000	1.99	-68.17	≤-18.01	PASS
DH5	Ant1	2402	1000~26500	1.99	-32.58	≤-18.01	PASS
DH5	Ant1	2441	0~Reference	1.58	1.58	---	PASS
DH5	Ant1	2441	30~1000	1.58	-68.77	≤-18.42	PASS
DH5	Ant1	2441	1000~26500	1.58	-31.56	≤-18.42	PASS
DH5	Ant1	2480	0~Reference	1.45	1.45	---	PASS
DH5	Ant1	2480	30~1000	1.45	-68.02	≤-18.55	PASS
DH5	Ant1	2480	1000~26500	1.45	-31.75	≤-18.55	PASS
2DH5	Ant1	2402	0~Reference	2.09	2.09	---	PASS
2DH5	Ant1	2402	30~1000	2.09	-68.43	≤-17.91	PASS
2DH5	Ant1	2402	1000~26500	2.09	-32.32	≤-17.91	PASS
2DH5	Ant1	2441	0~Reference	-0.96	-0.96	---	PASS
2DH5	Ant1	2441	30~1000	-0.96	-68.36	≤-20.96	PASS
2DH5	Ant1	2441	1000~26500	-0.96	-31.42	≤-20.96	PASS
2DH5	Ant1	2480	0~Reference	-0.50	-0.50	---	PASS
2DH5	Ant1	2480	30~1000	-0.50	-67.14	≤-20.5	PASS
2DH5	Ant1	2480	1000~26500	-0.50	-31.59	≤-20.5	PASS
3DH5	Ant1	2402	0~Reference	1.94	1.94	---	PASS
3DH5	Ant1	2402	30~1000	1.94	-68.9	≤-18.06	PASS
3DH5	Ant1	2402	1000~26500	1.94	-32.36	≤-18.06	PASS
3DH5	Ant1	2441	0~Reference	-0.08	-0.08	---	PASS
3DH5	Ant1	2441	30~1000	-0.08	-45.1	≤-20.08	PASS
3DH5	Ant1	2441	1000~26500	-0.08	-31.37	≤-20.08	PASS
3DH5	Ant1	2480	0~Reference	-1.25	-1.25	---	PASS
3DH5	Ant1	2480	30~1000	-1.25	-68.86	≤-21.25	PASS
3DH5	Ant1	2480	1000~26500	-1.25	-31.6	≤-21.25	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.

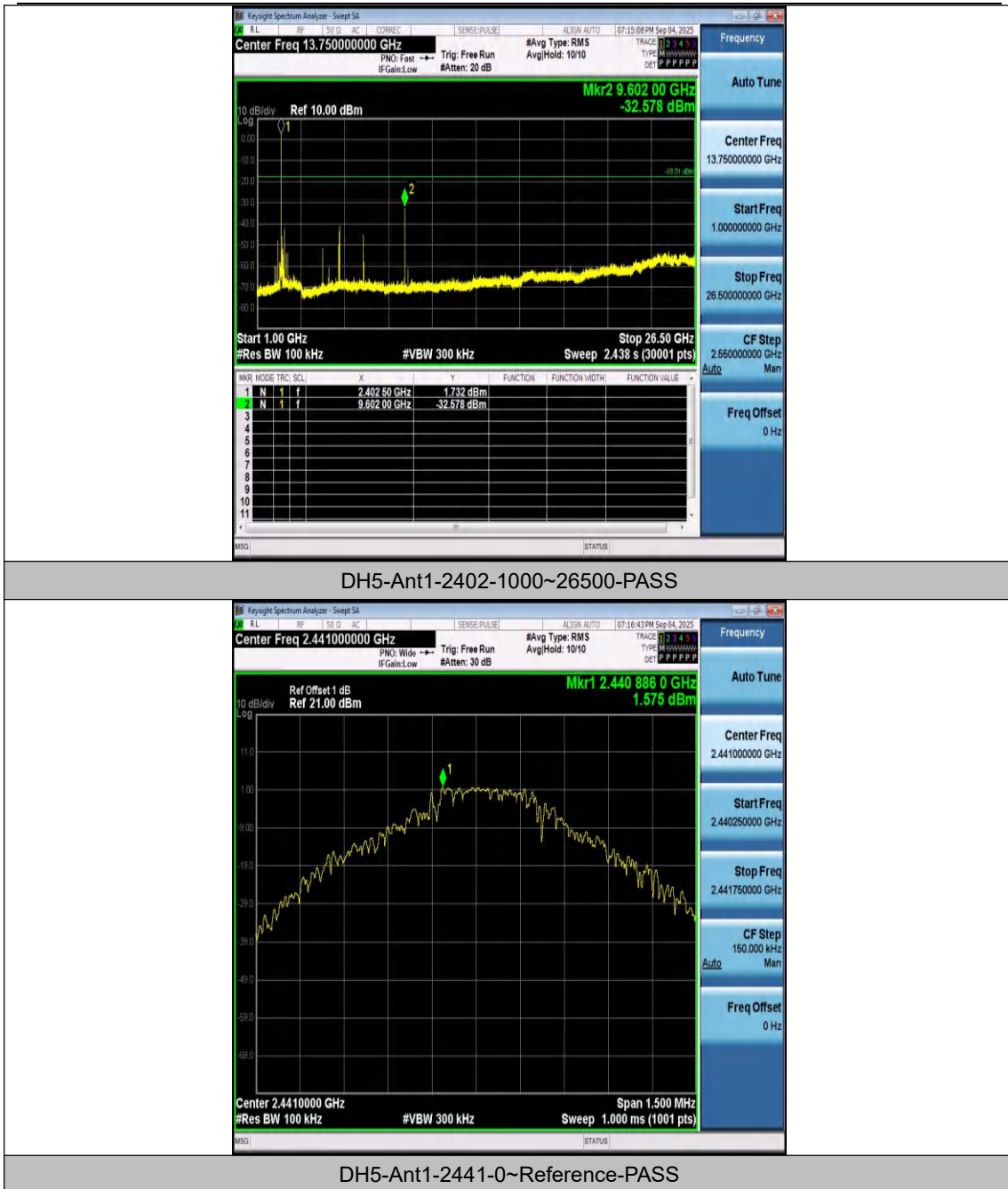
Test Graphs



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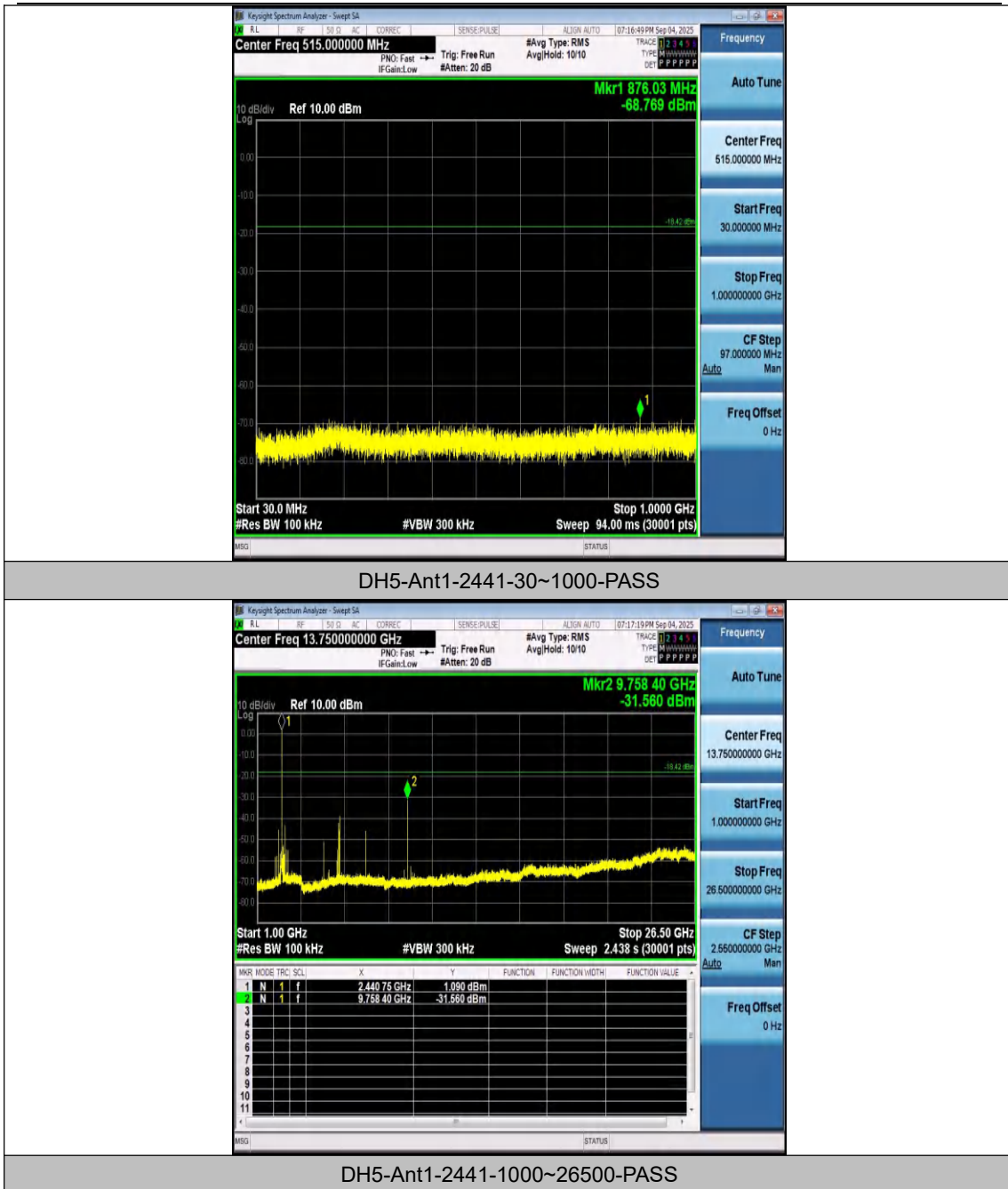
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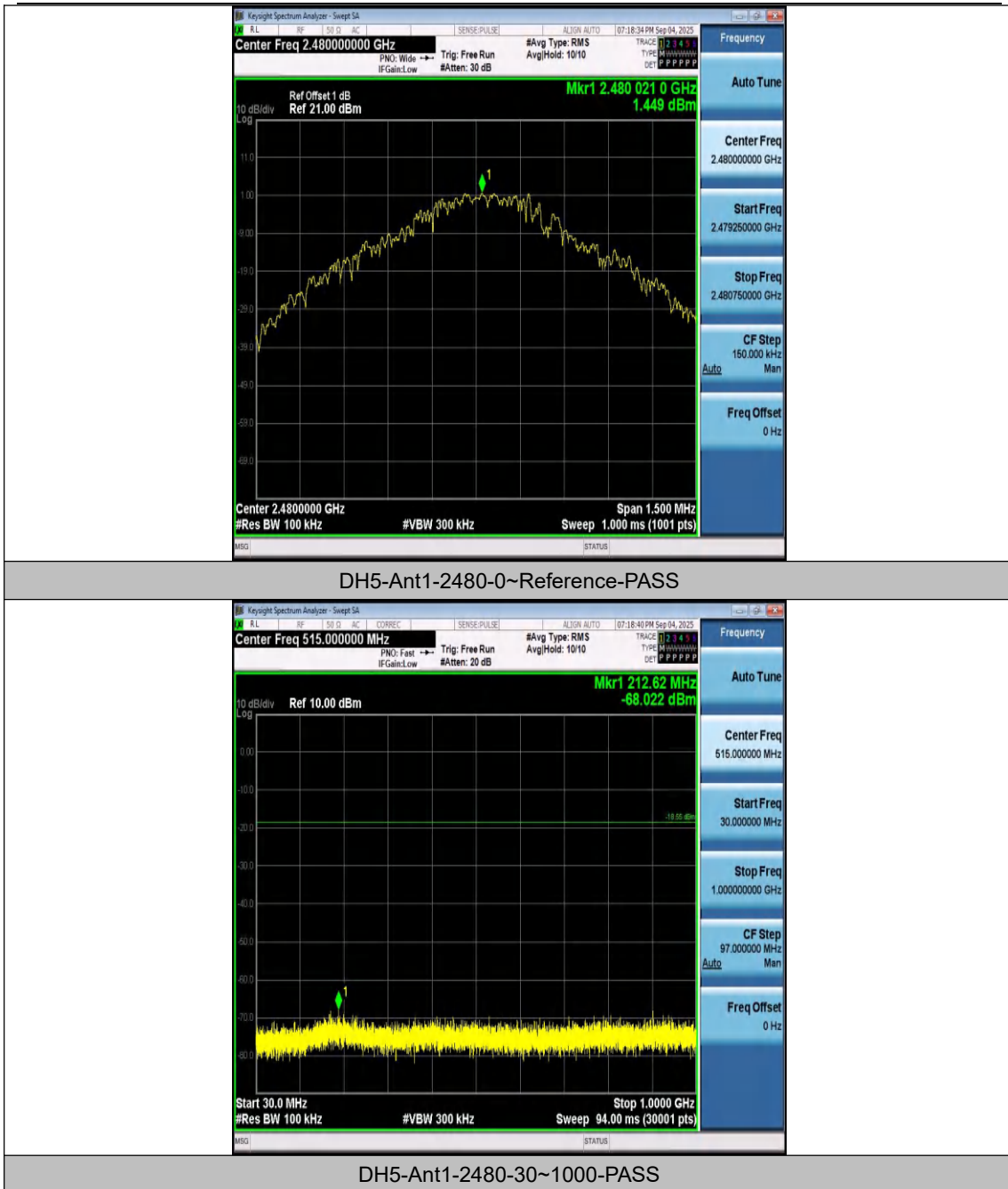
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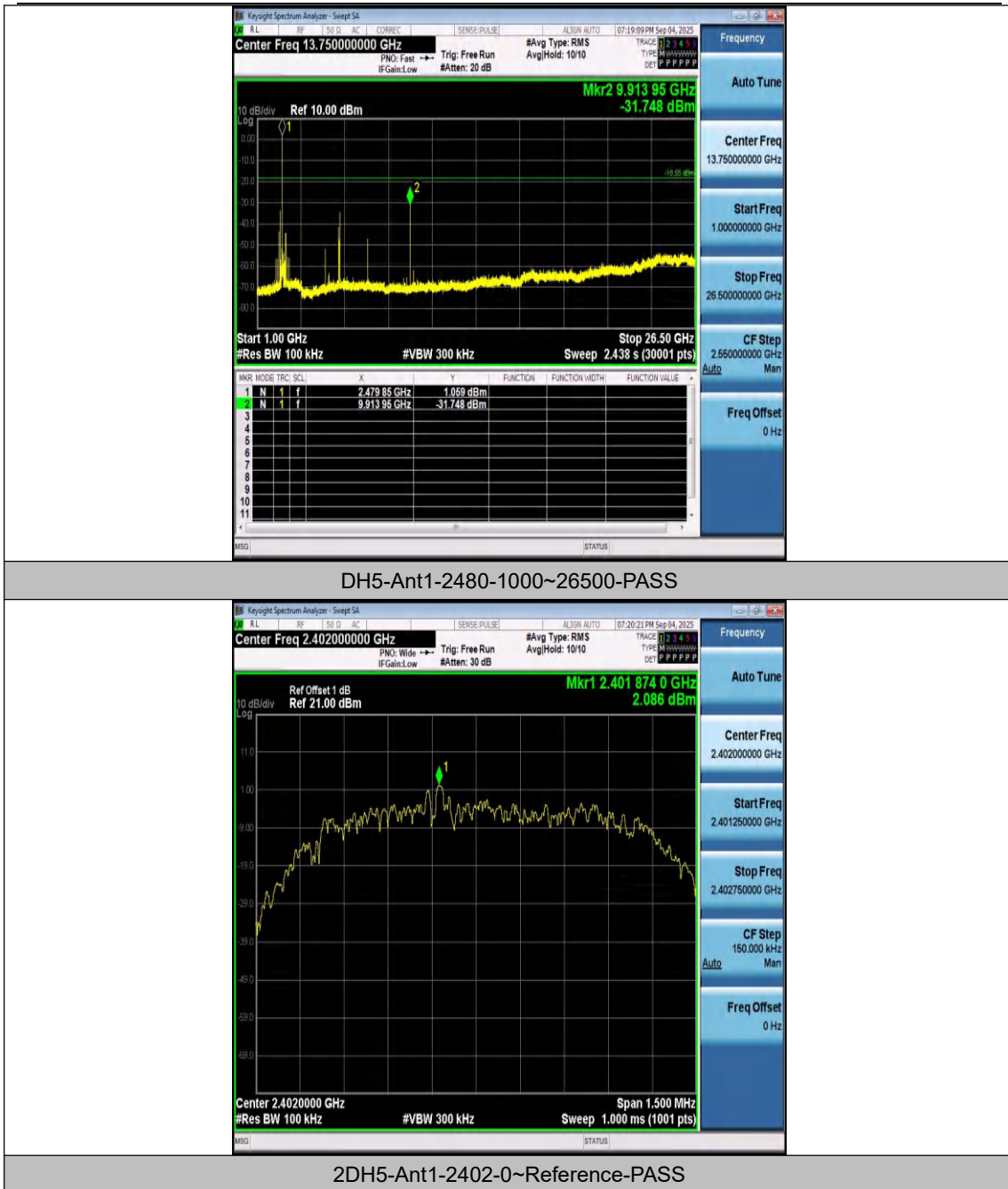
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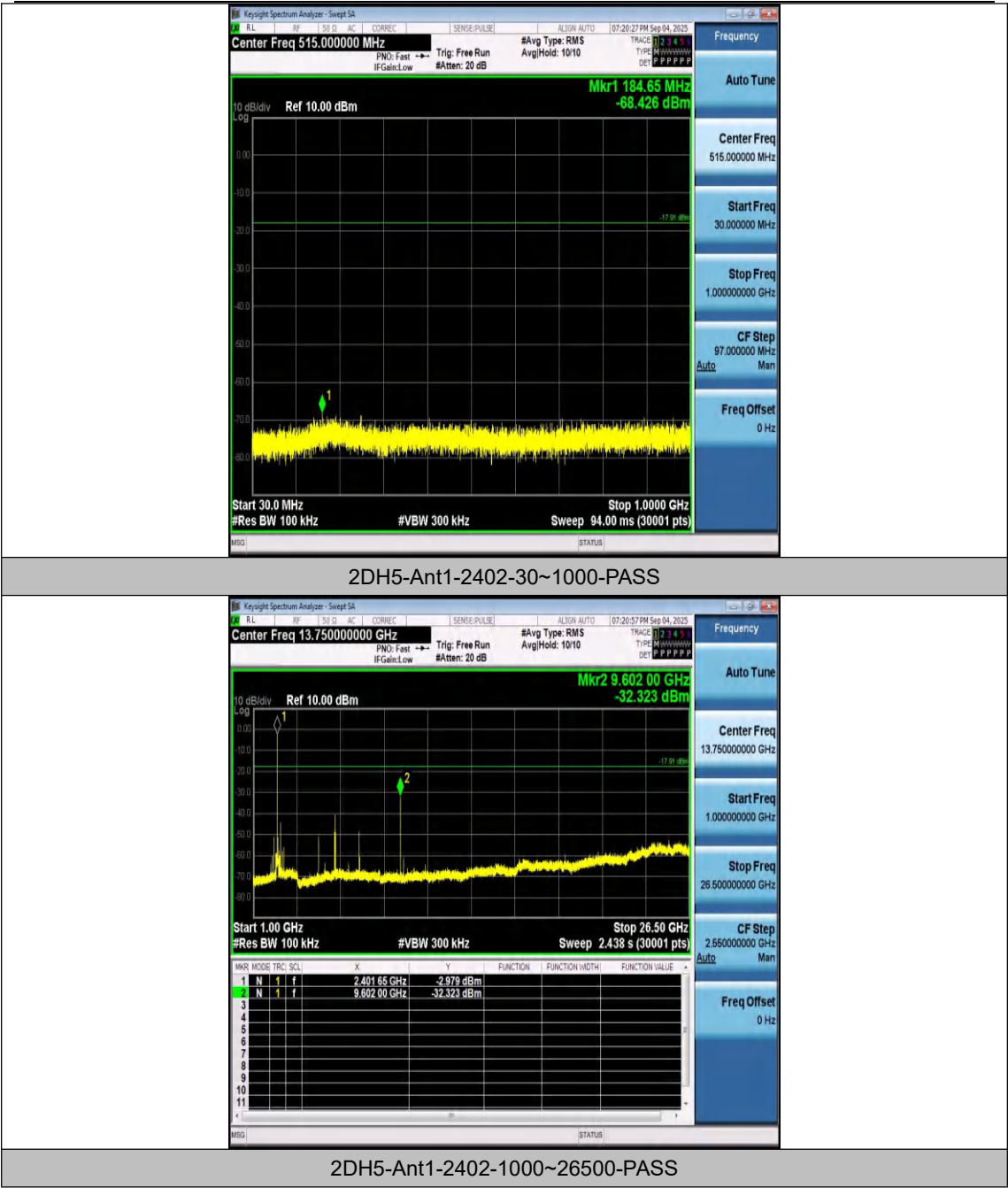
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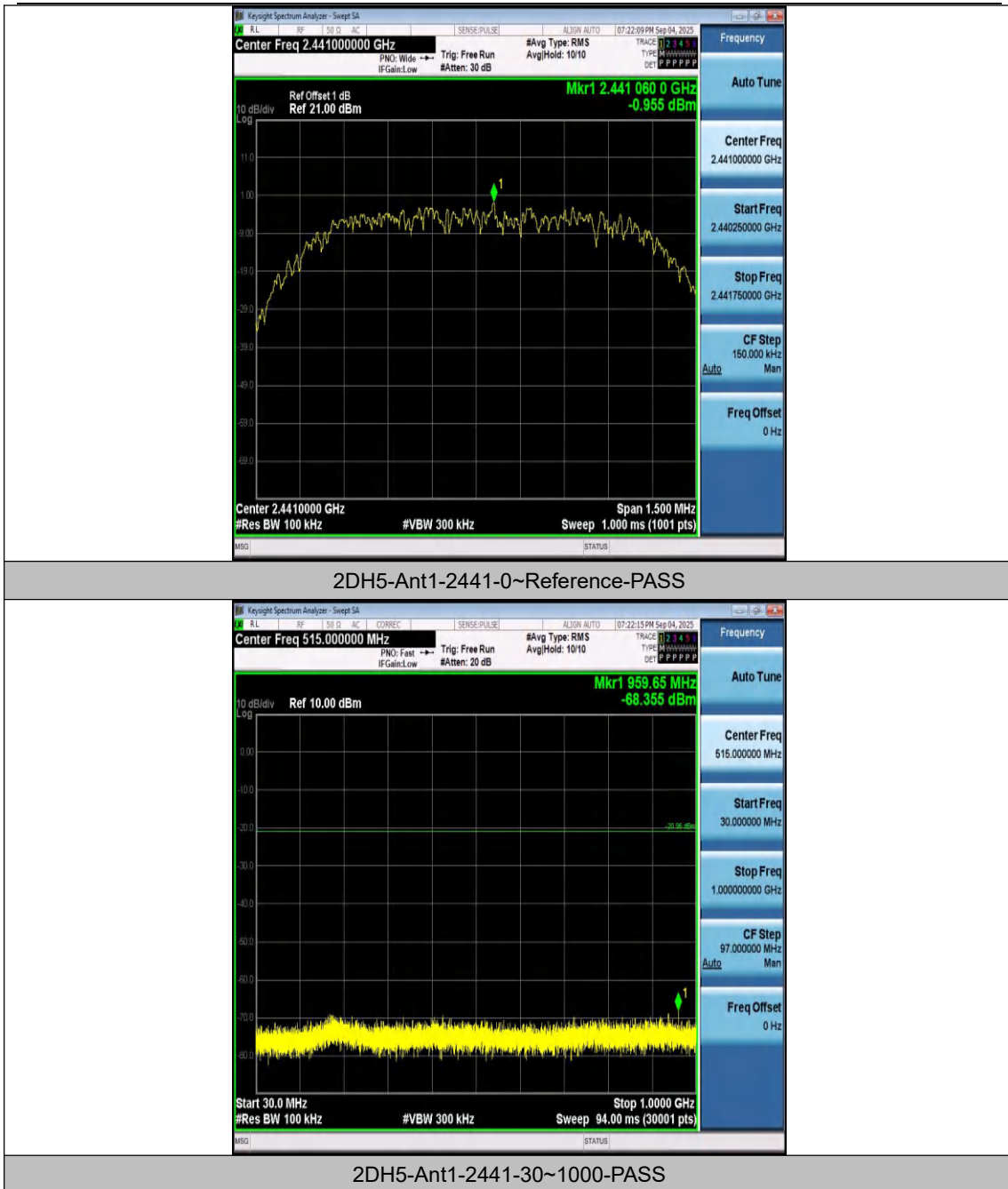


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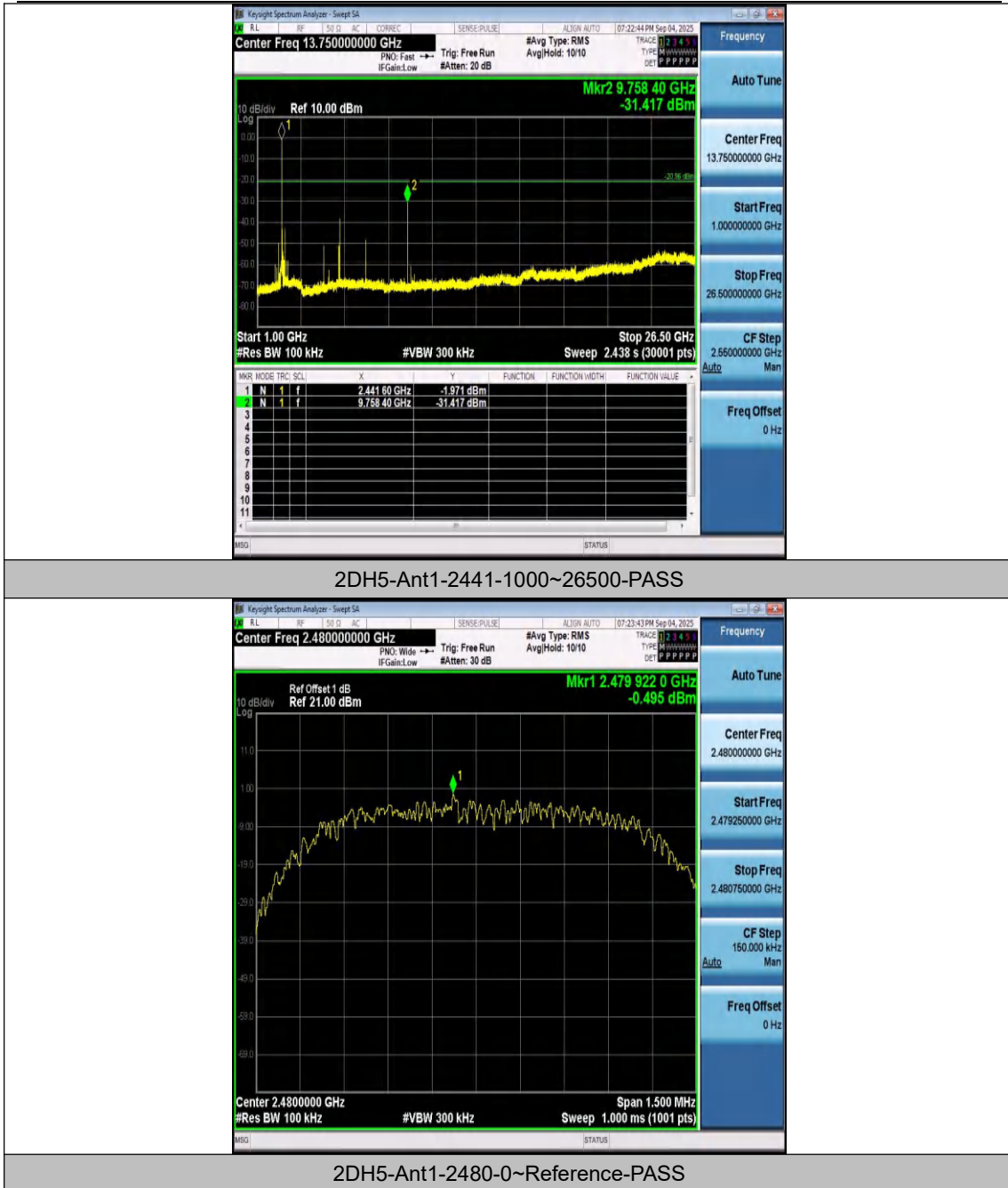




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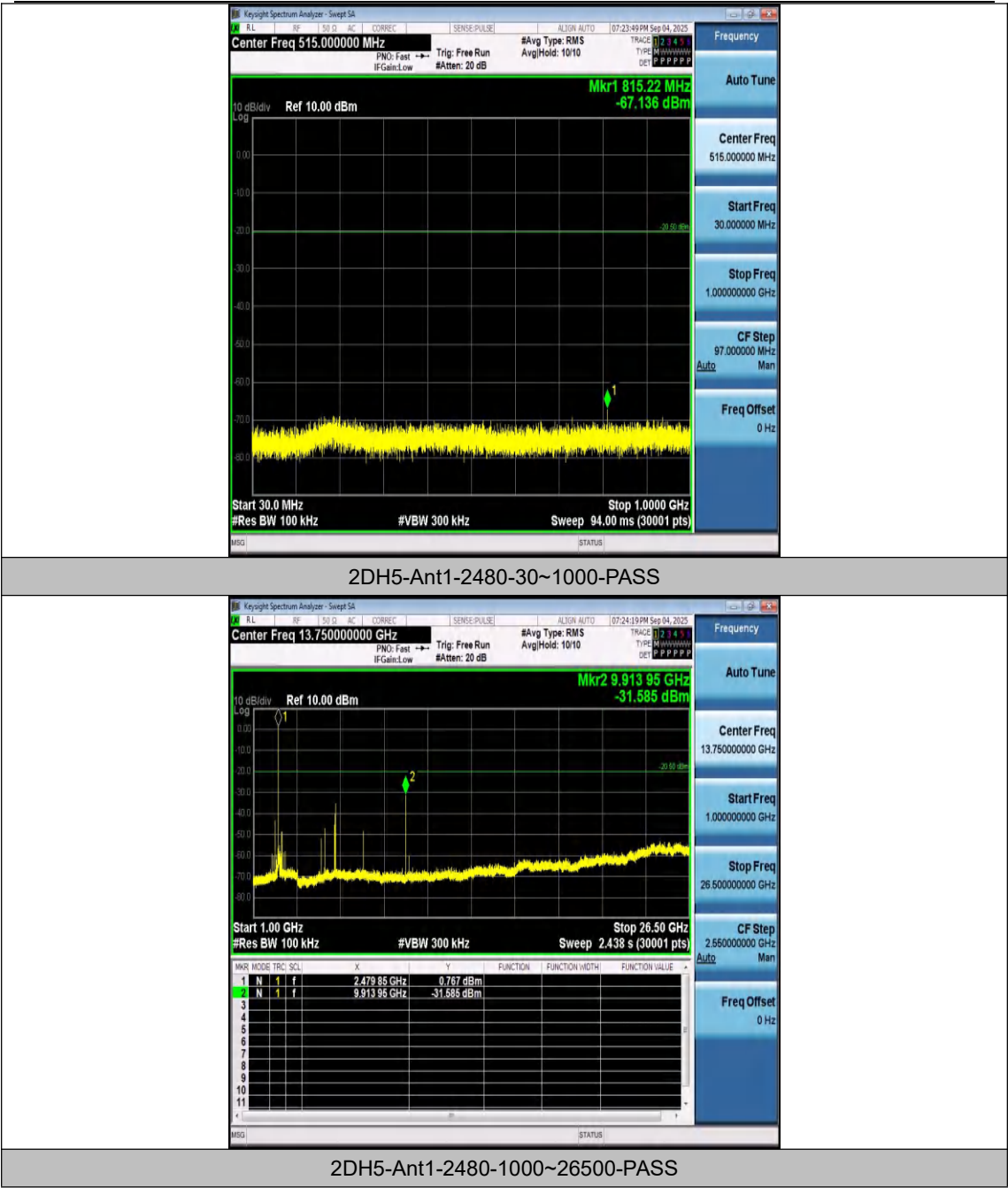
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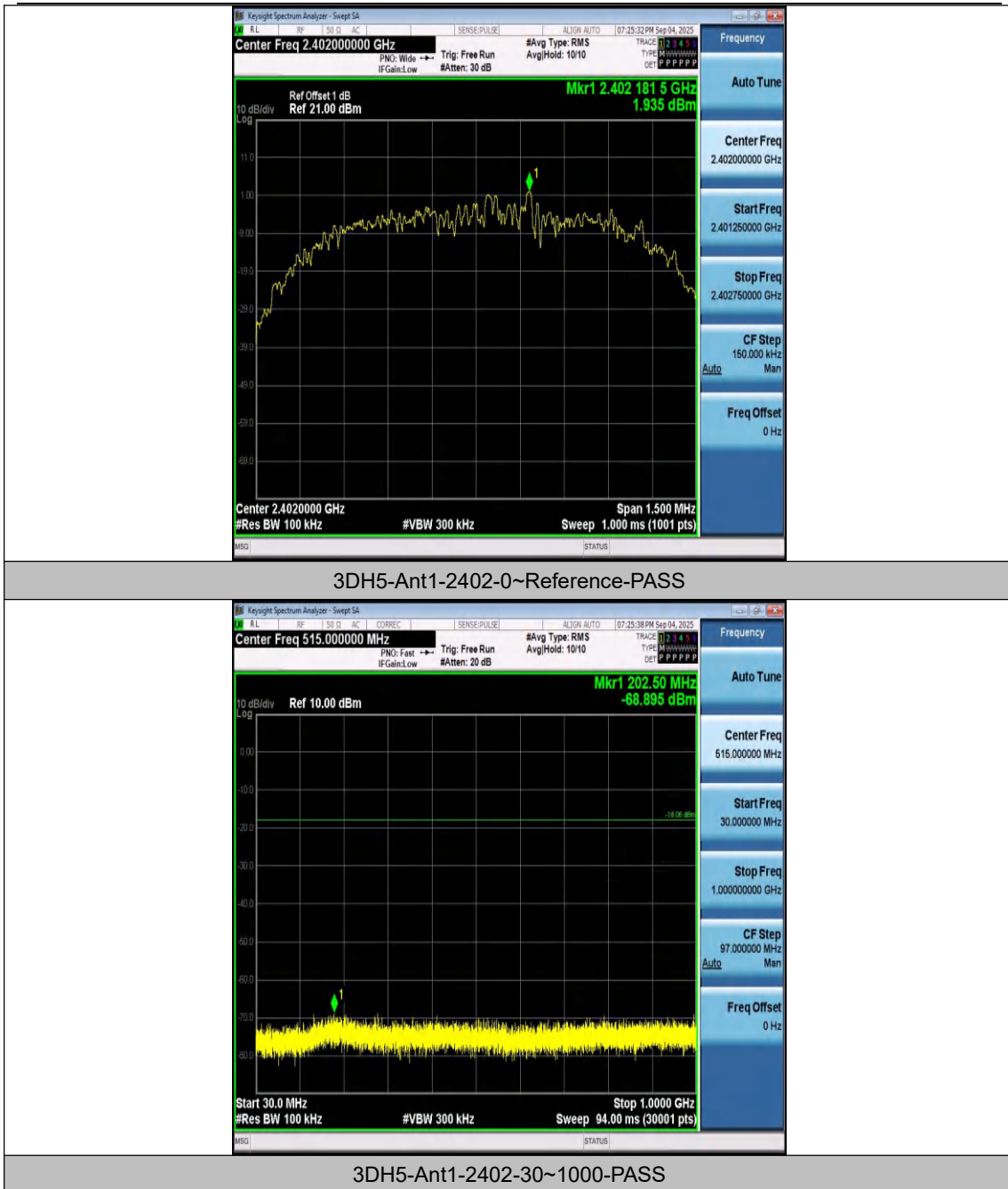


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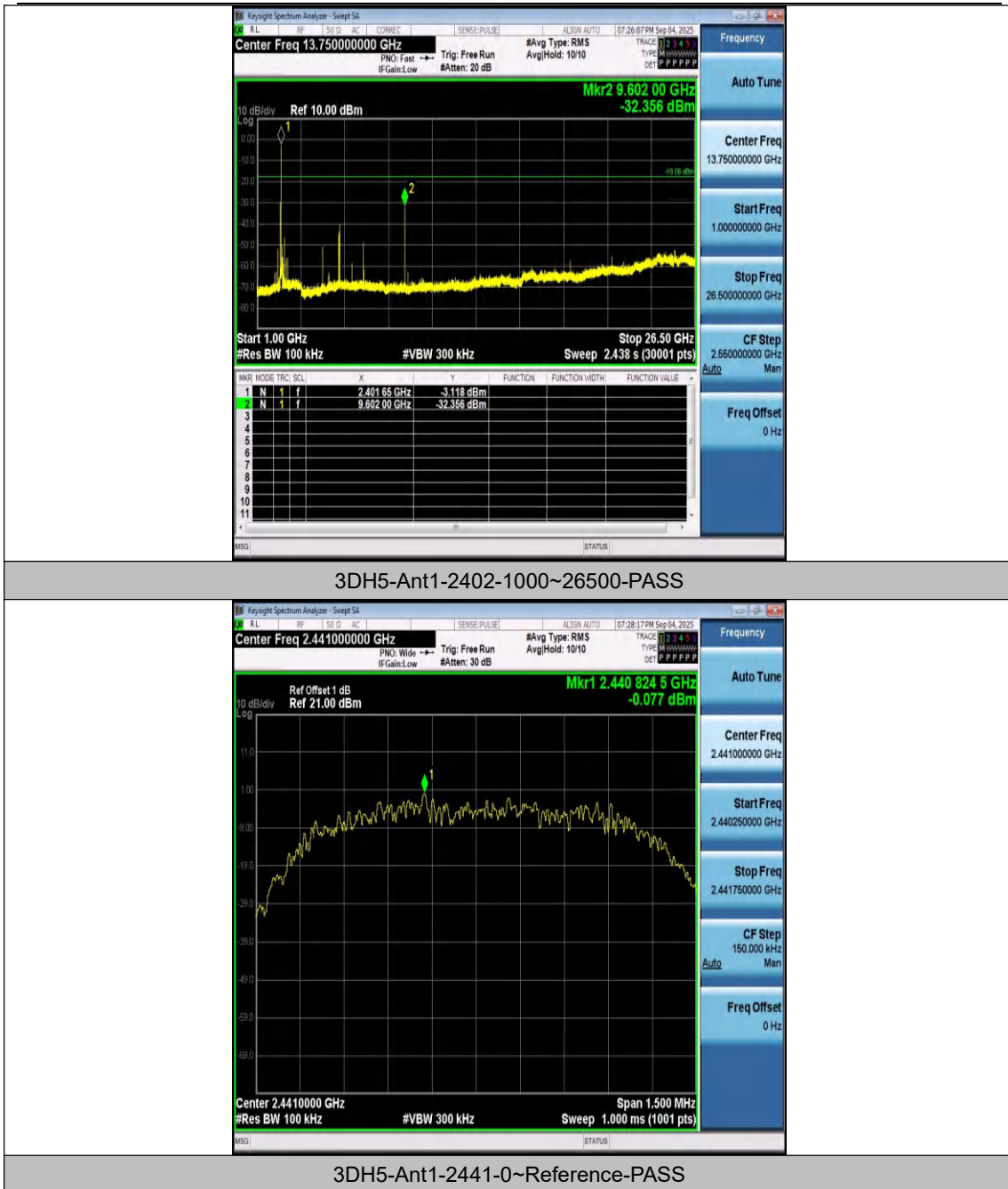




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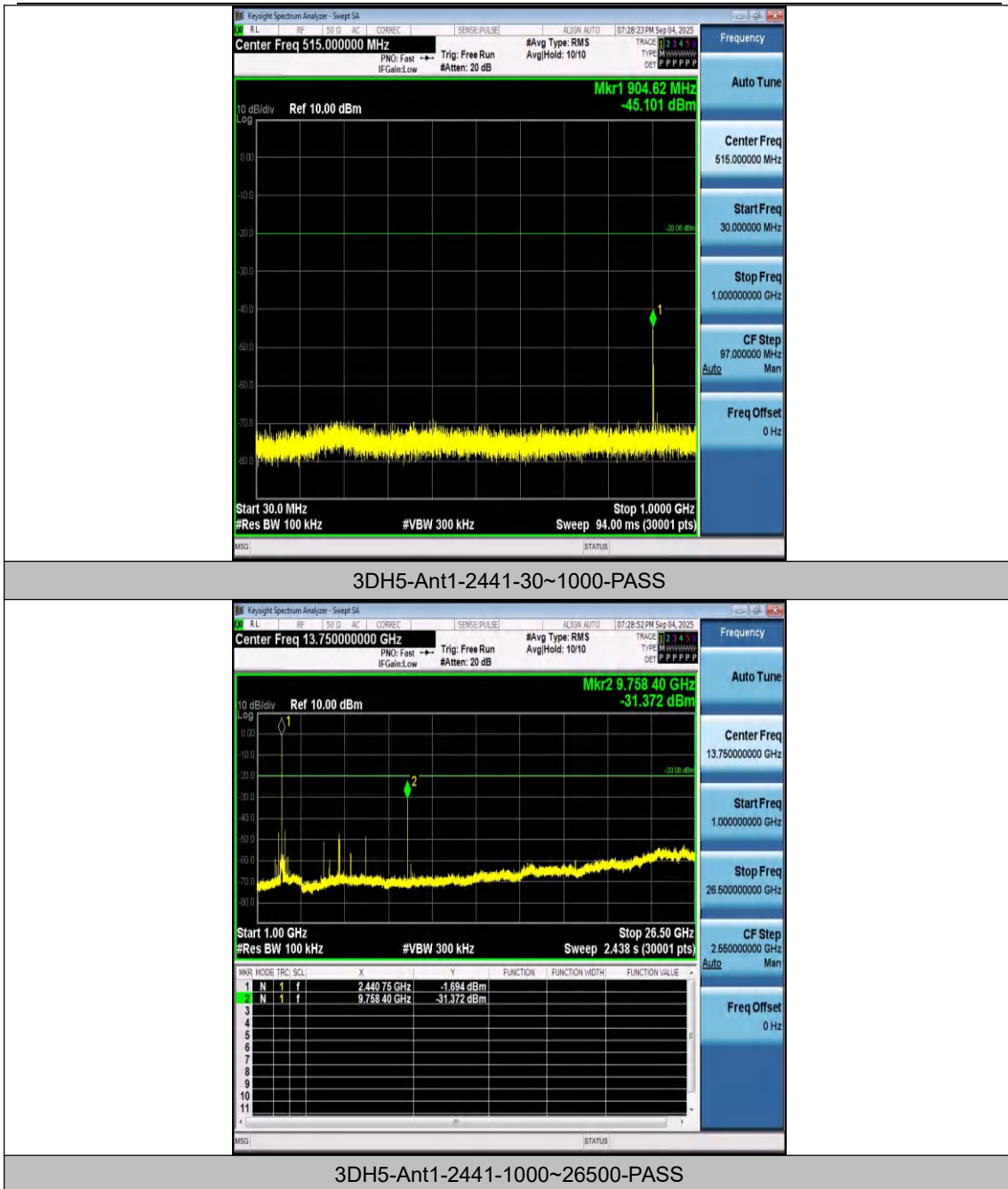
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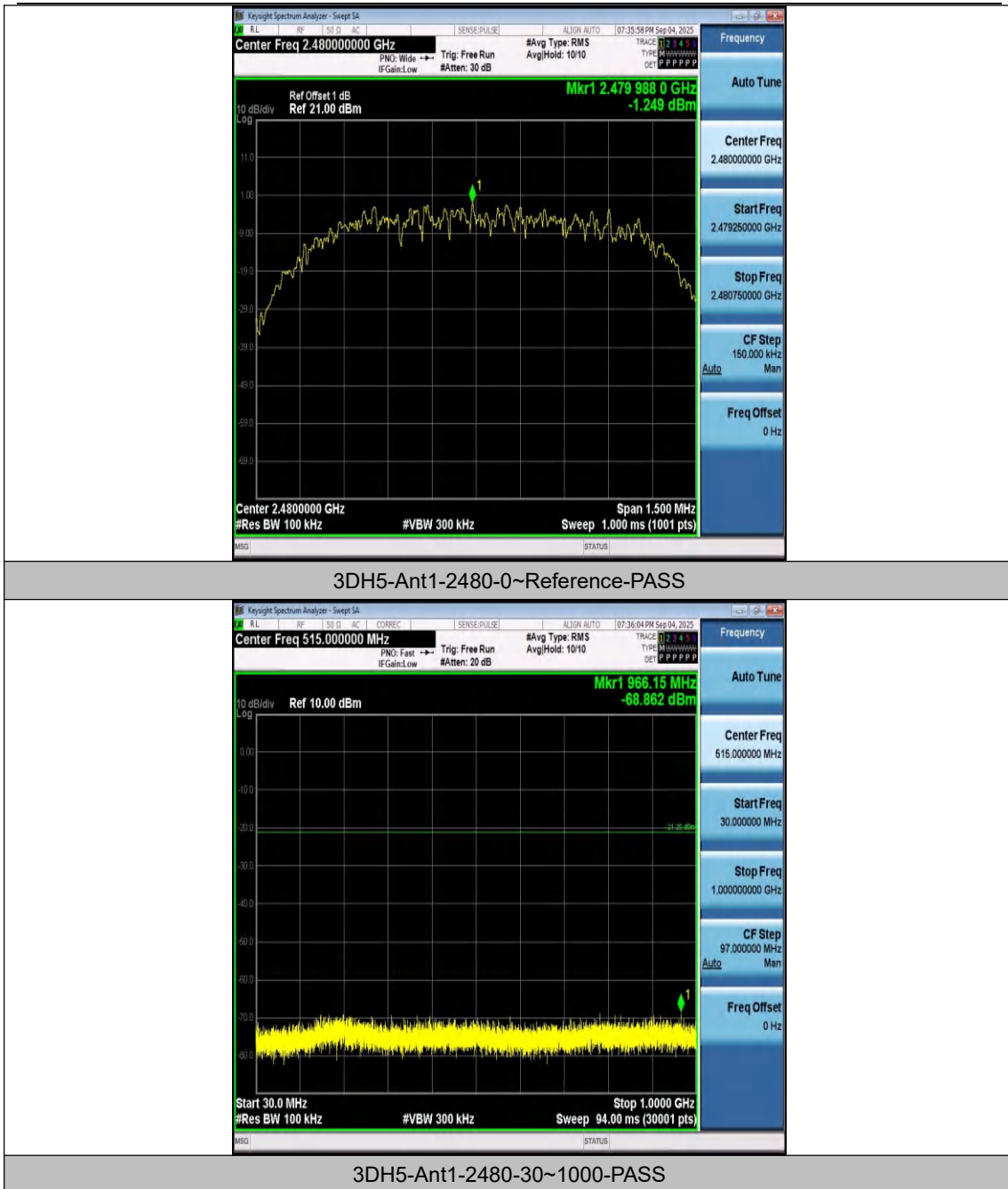


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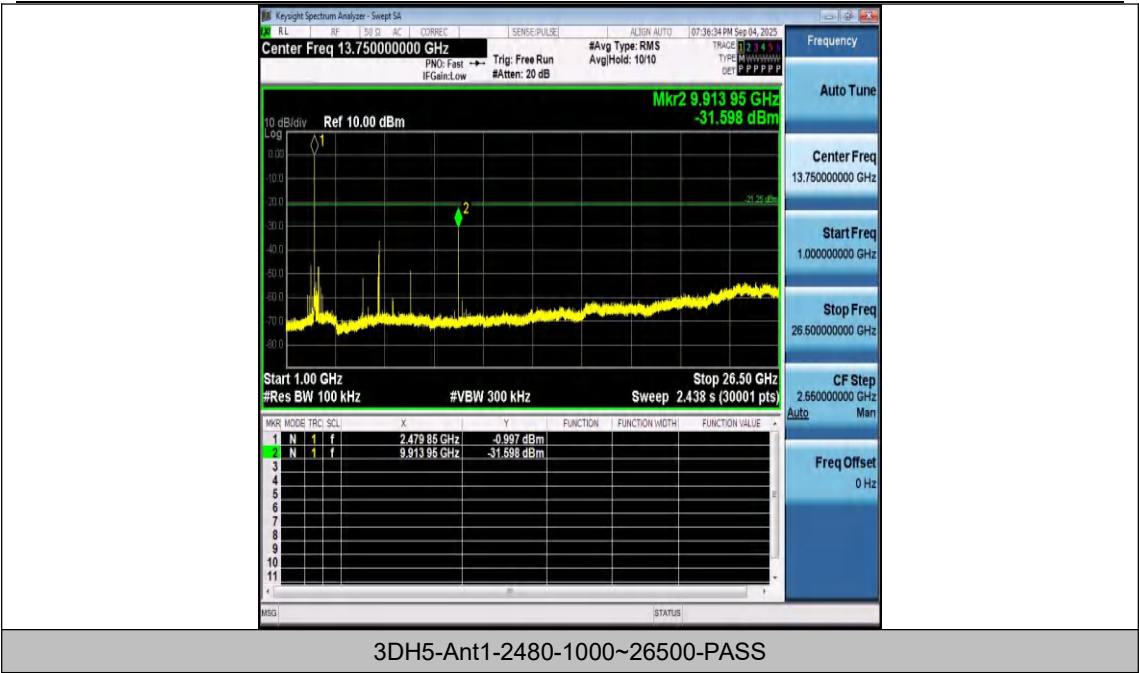




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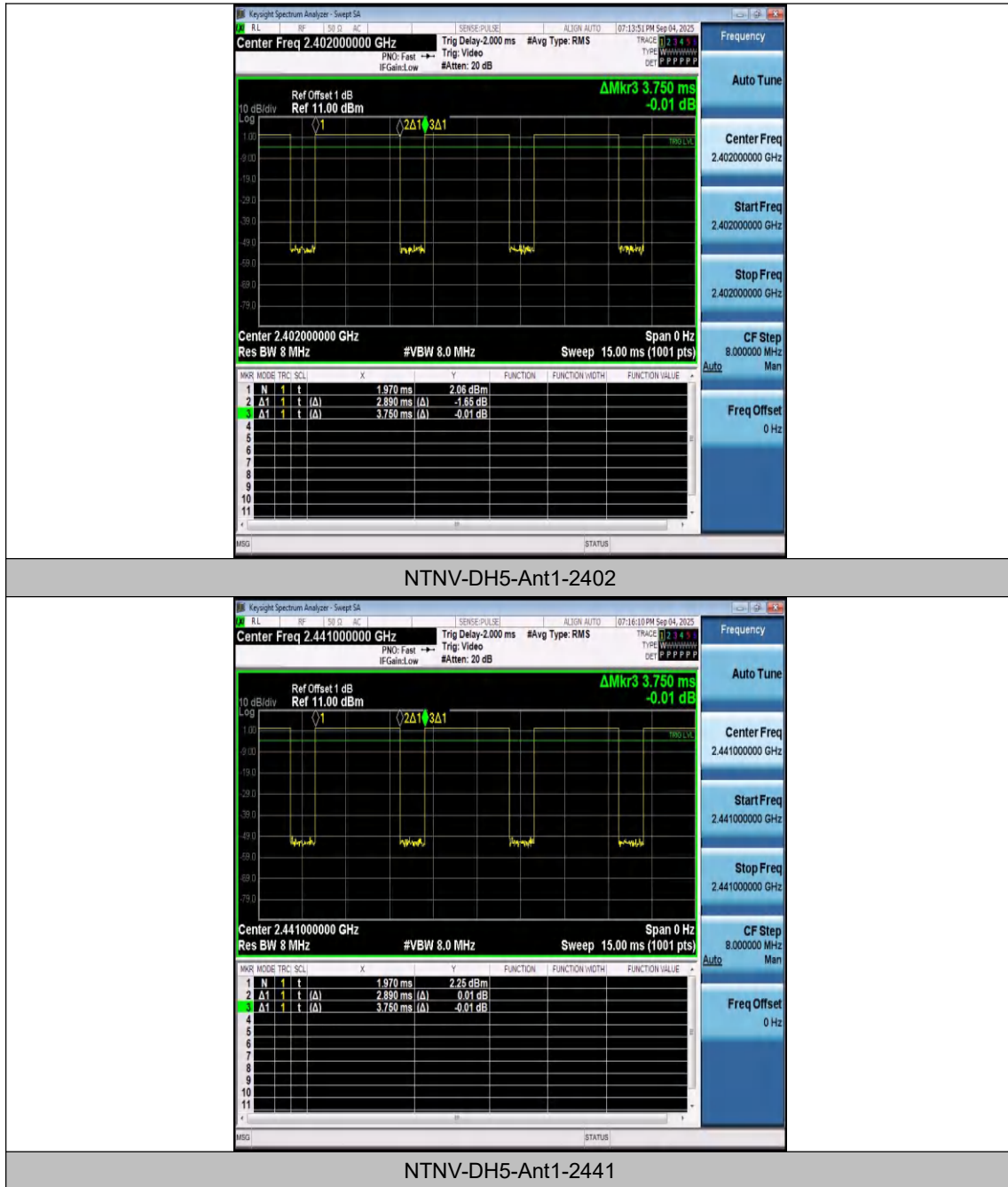
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
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	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

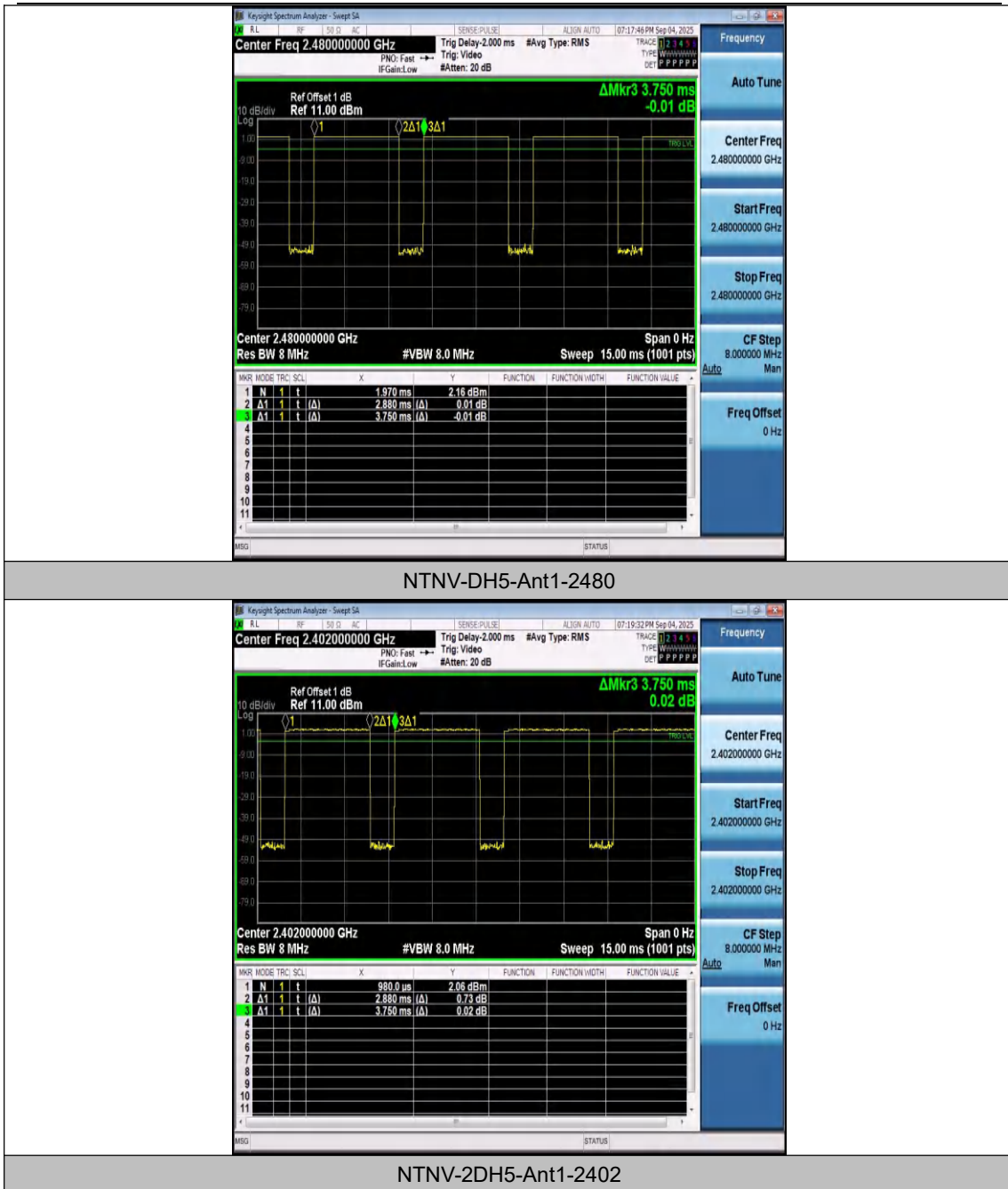
Test Graphs



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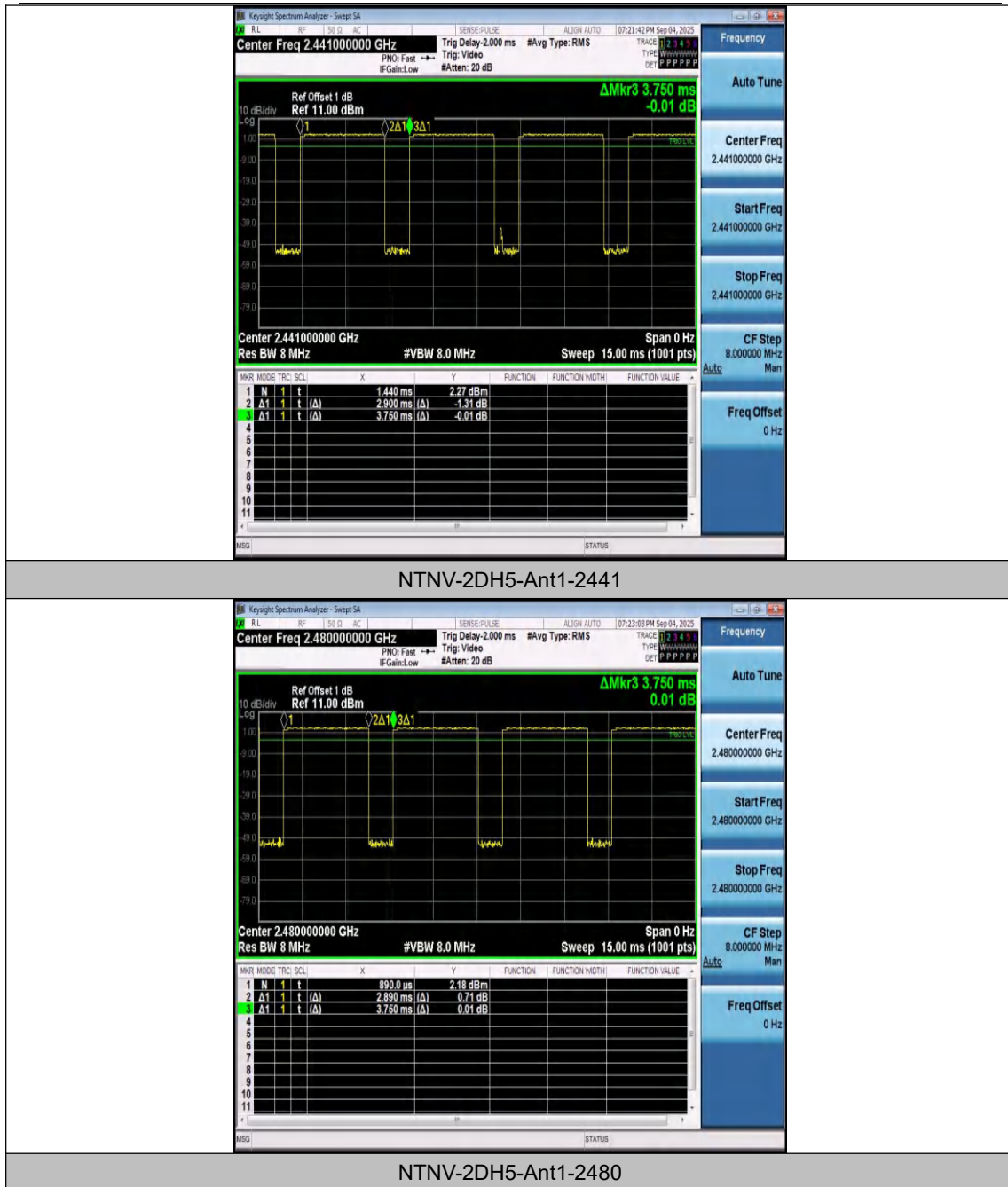
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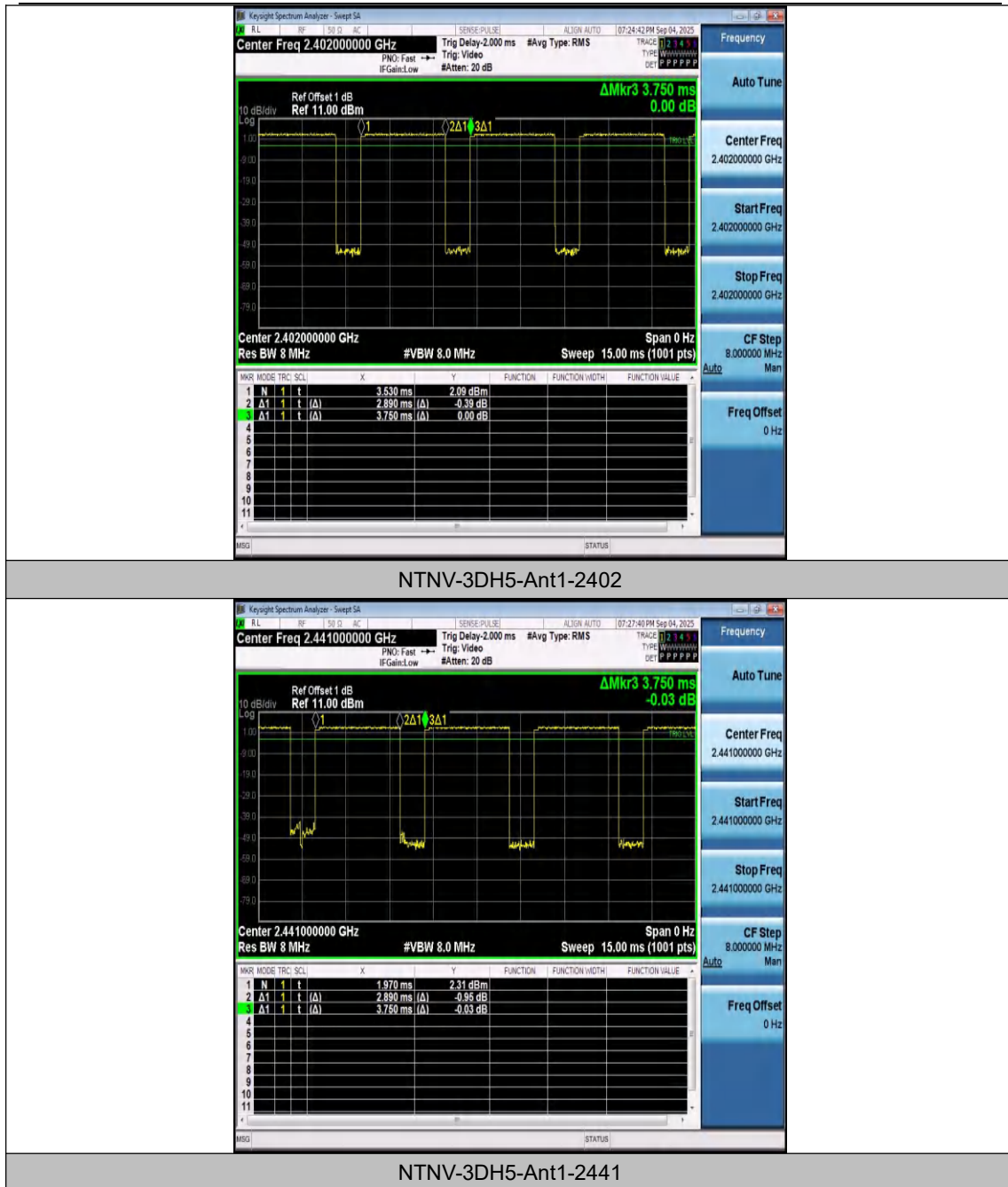
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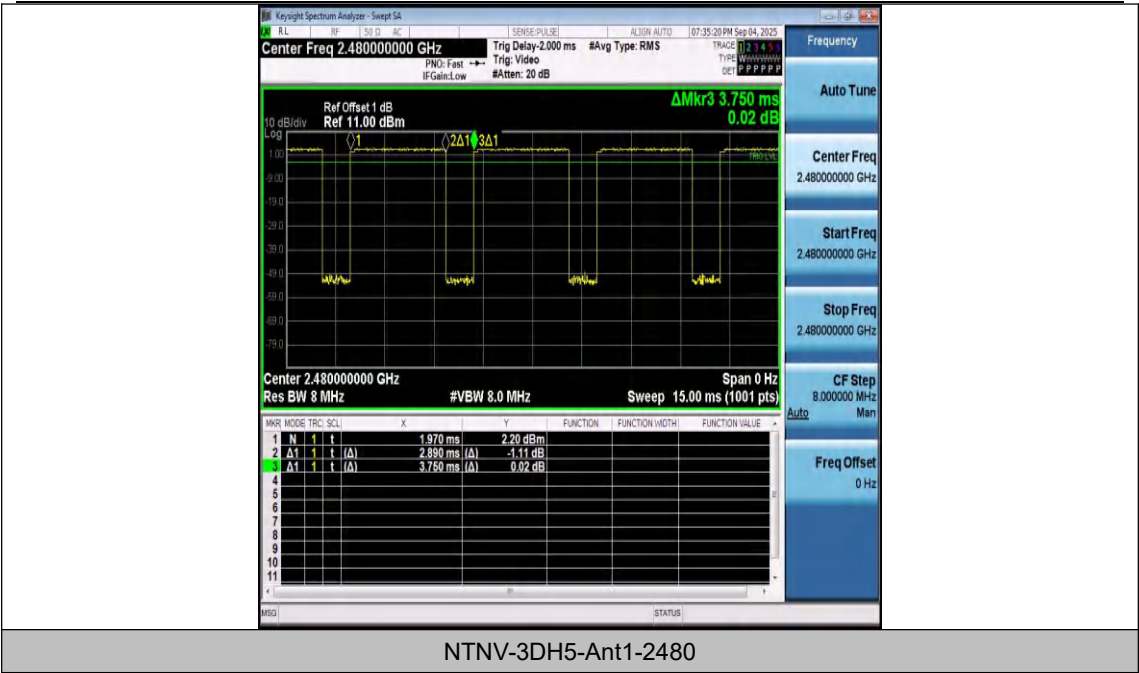
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NTNV-3DH5-Ant1-2480

---End---