

Appendix Test Data

Report No.:	1819C50128812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-27	Finish Test Date:	2025-11-28
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23°C	Relative Humidity:	33%
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	0.939	2401.550	2402.489	---	---
DH5	Ant1	2441	0.945	2440.547	2441.492	---	---
DH5	Ant1	2480	0.936	2479.547	2480.483	---	---
2DH5	Ant1	2402	1.278	2401.376	2402.654	---	---
2DH5	Ant1	2441	1.272	2440.379	2441.651	---	---
2DH5	Ant1	2480	1.290	2479.373	2480.663	---	---
3DH5	Ant1	2402	1.254	2401.370	2402.624	---	---
3DH5	Ant1	2441	1.260	2440.370	2441.630	---	---
3DH5	Ant1	2480	1.287	2479.361	2480.648	---	---

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	0.85161	2401.5809	2402.4325	---	---
DH5	Ant1	2441	0.84385	2440.5849	2441.4288	---	---
DH5	Ant1	2480	0.84378	2479.5816	2480.4254	---	---
2DH5	Ant1	2402	1.1779	2401.4197	2402.5976	---	---
2DH5	Ant1	2441	1.1718	2440.4183	2441.5901	---	---
2DH5	Ant1	2480	1.1807	2479.4147	2480.5954	---	---
3DH5	Ant1	2402	1.1677	2401.4231	2402.5908	---	---
3DH5	Ant1	2441	1.1770	2440.4212	2441.5982	---	---
3DH5	Ant1	2480	1.1657	2479.4220	2480.5877	---	---

Test Graphs



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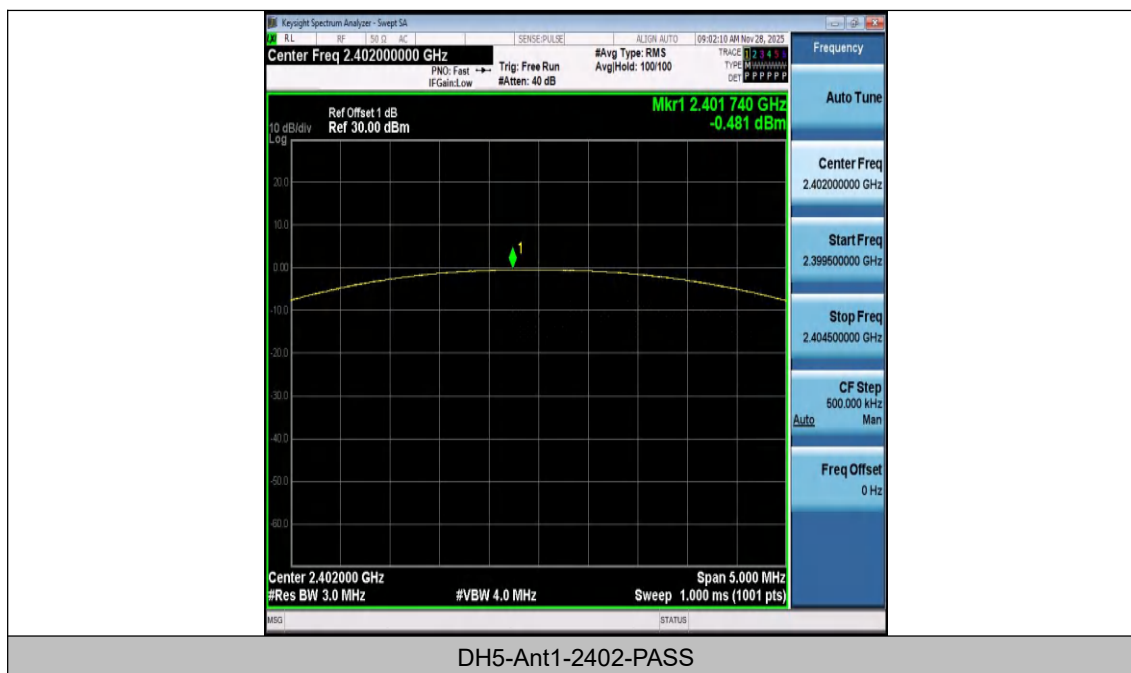
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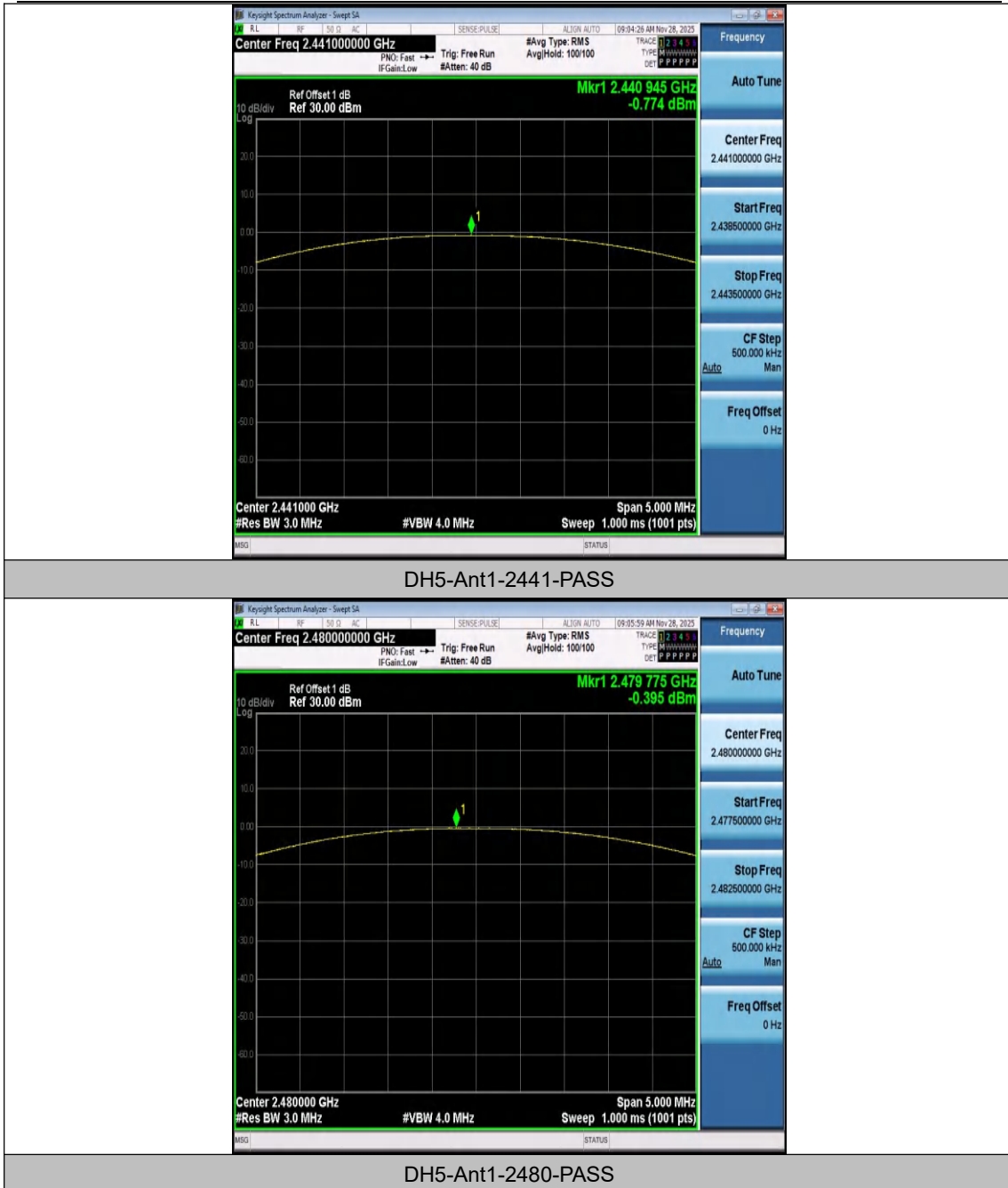
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.48	≤20.97	PASS
DH5	Ant1	2441	-0.77	≤20.97	PASS
DH5	Ant1	2480	-0.40	≤20.97	PASS
2DH5	Ant1	2402	0.27	≤20.97	PASS
2DH5	Ant1	2441	-0.06	≤20.97	PASS
2DH5	Ant1	2480	0.26	≤20.97	PASS
3DH5	Ant1	2402	0.63	≤20.97	PASS
3DH5	Ant1	2441	0.46	≤20.97	PASS
3DH5	Ant1	2480	0.84	≤20.97	PASS

Test Graphs

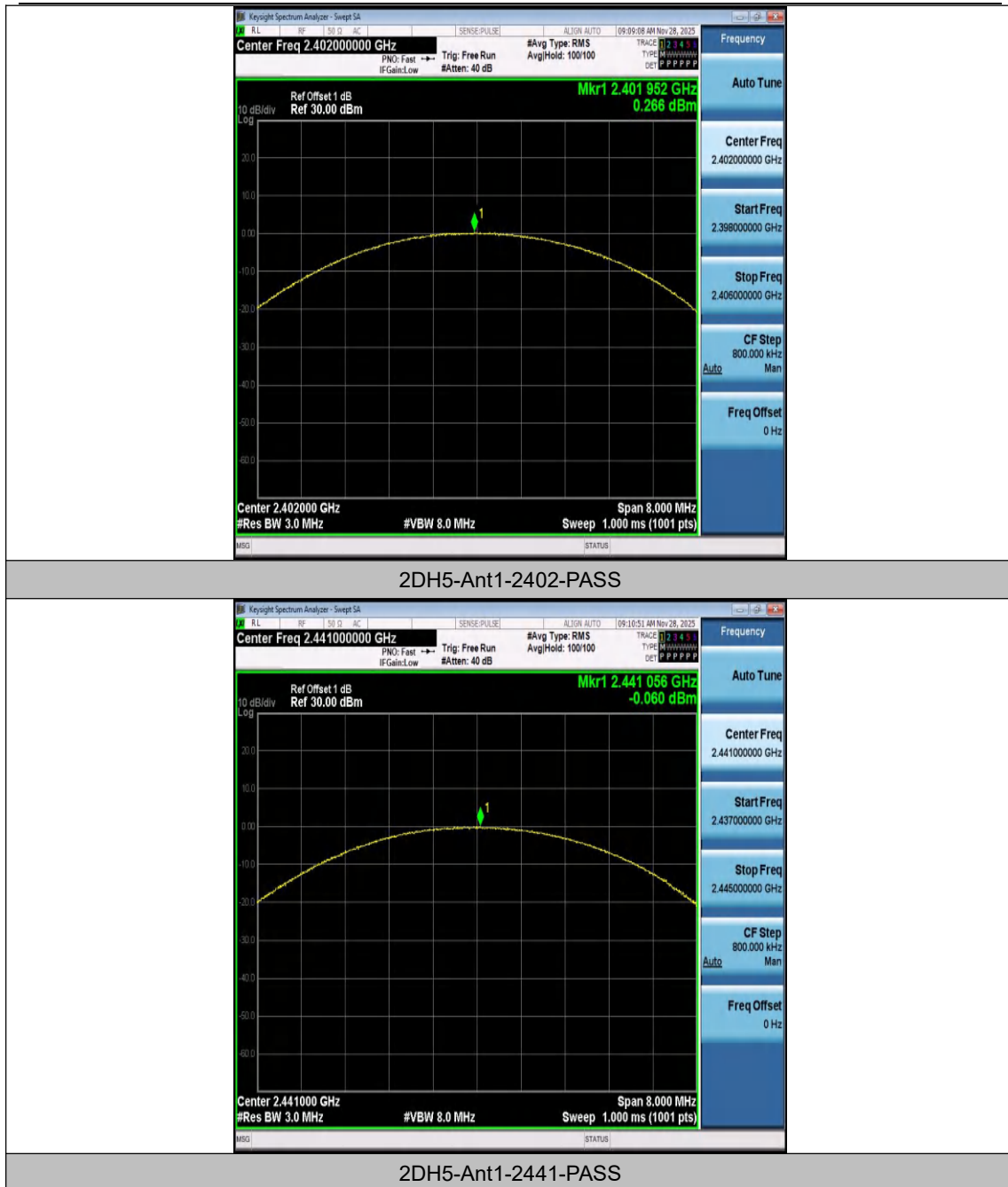




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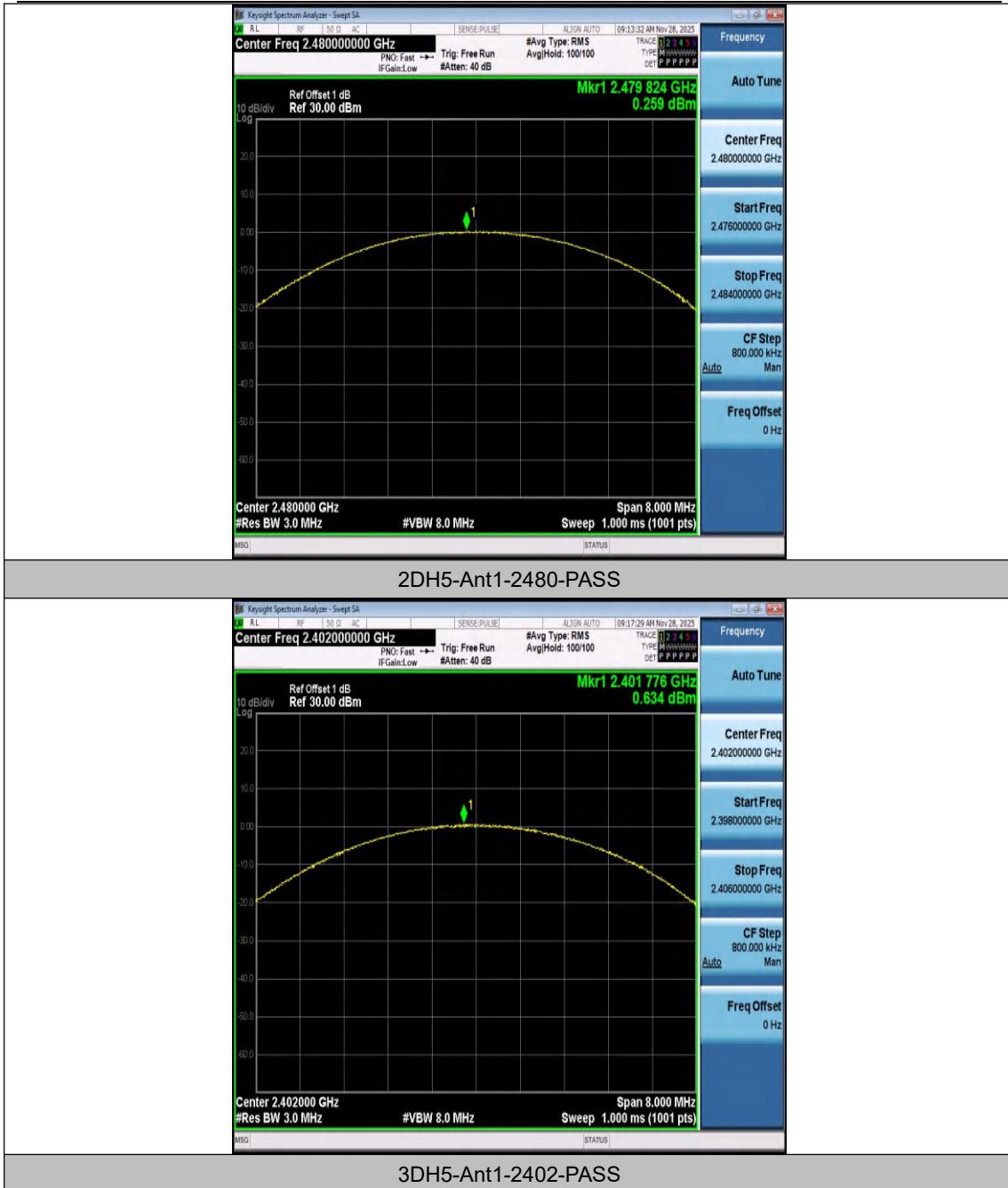
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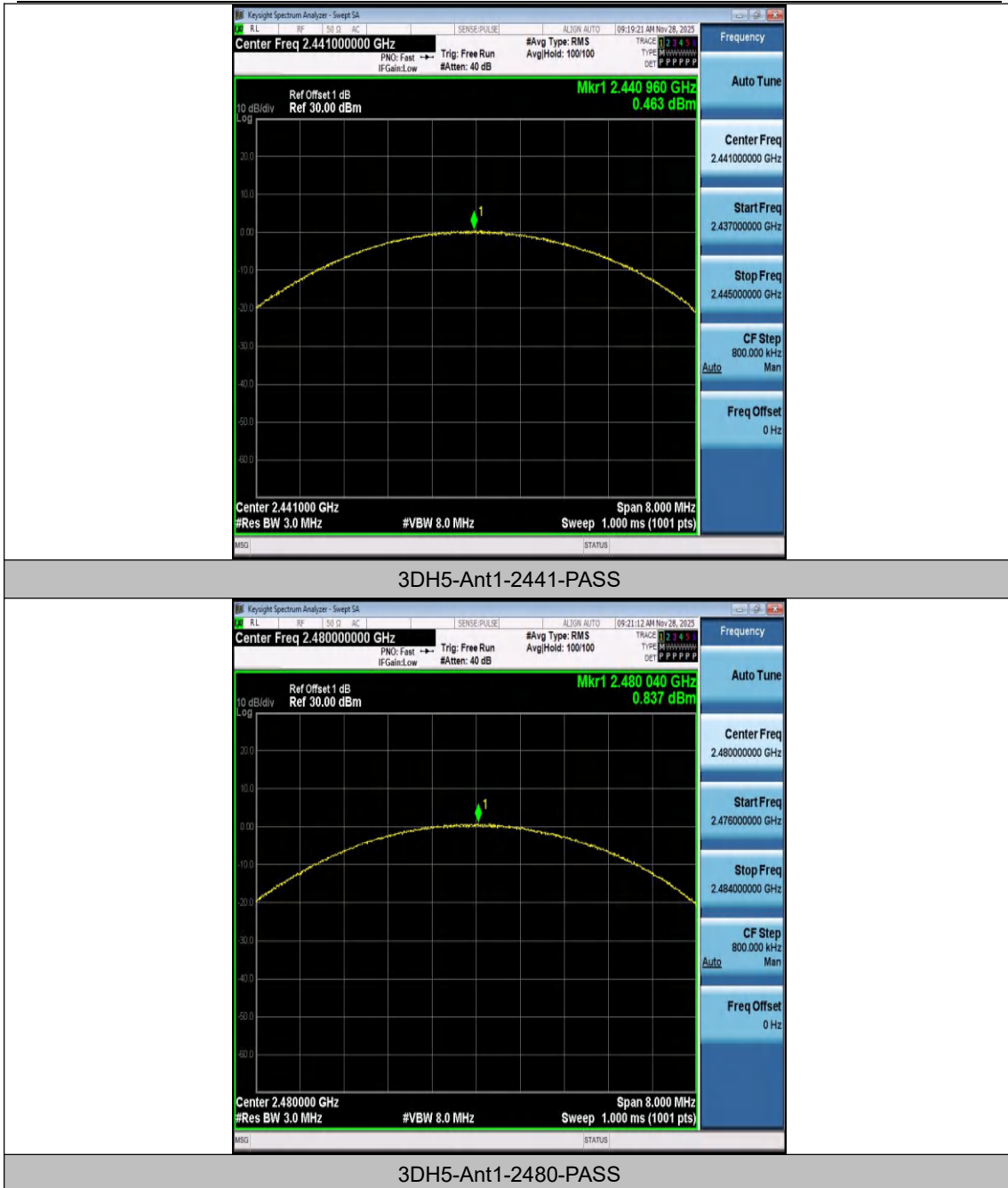
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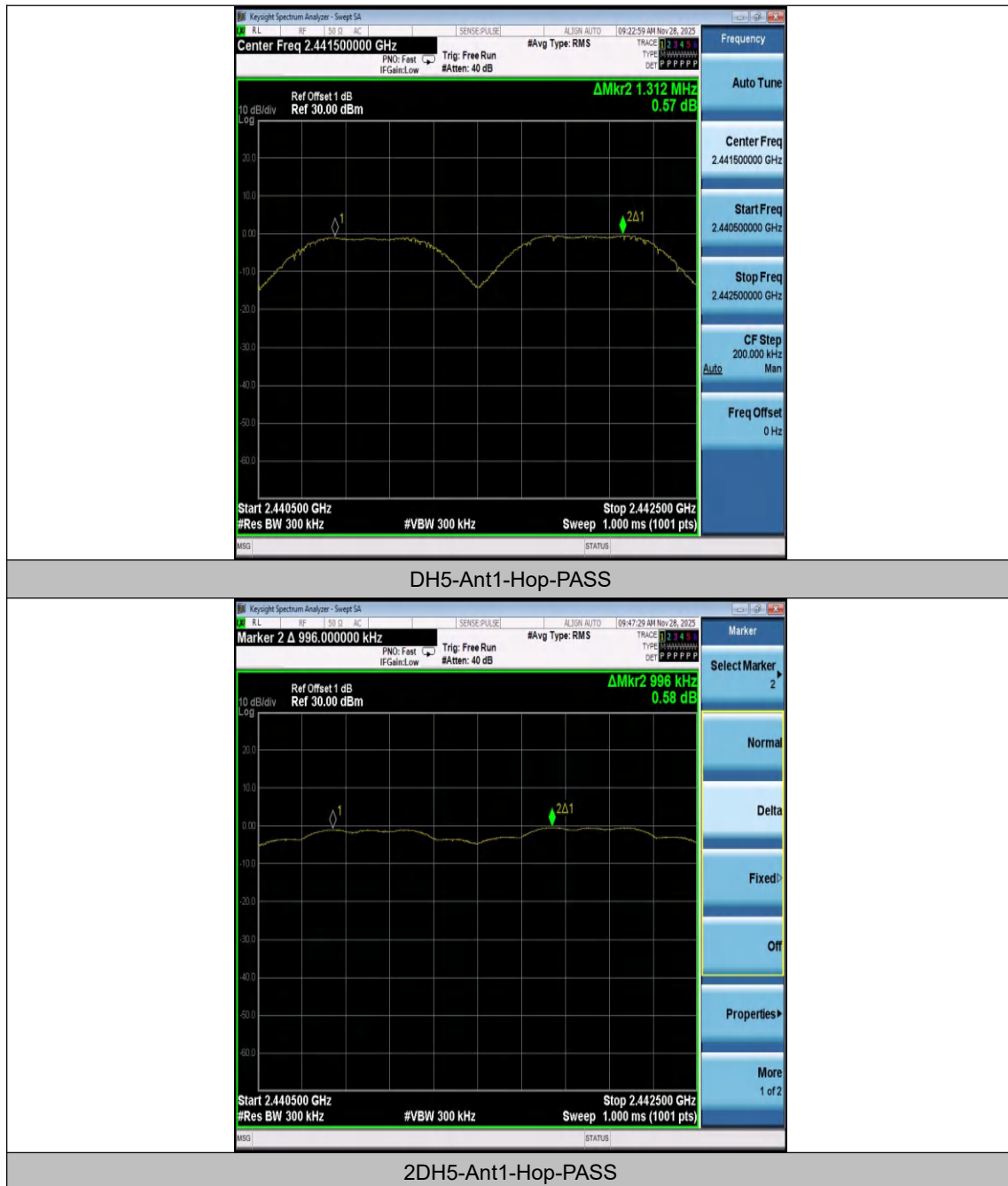
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.312	≥ 0.630	PASS
2DH5	Ant1	Hop	0.996	≥ 0.860	PASS
3DH5	Ant1	Hop	0.984	≥ 0.858	PASS

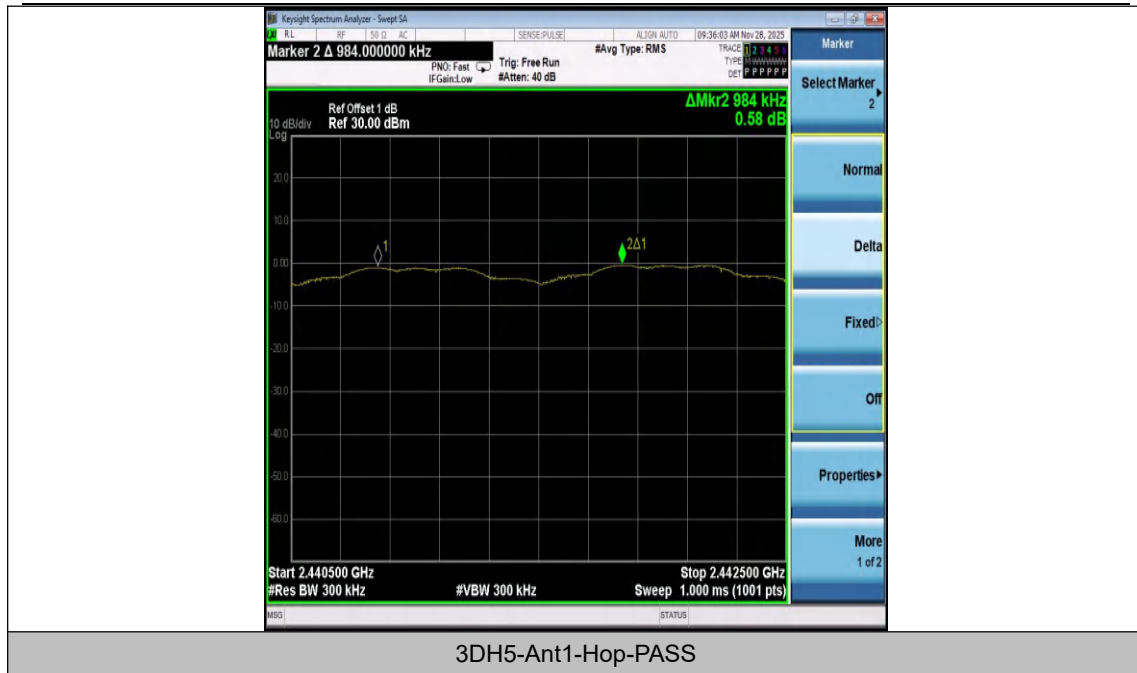
Test Graphs



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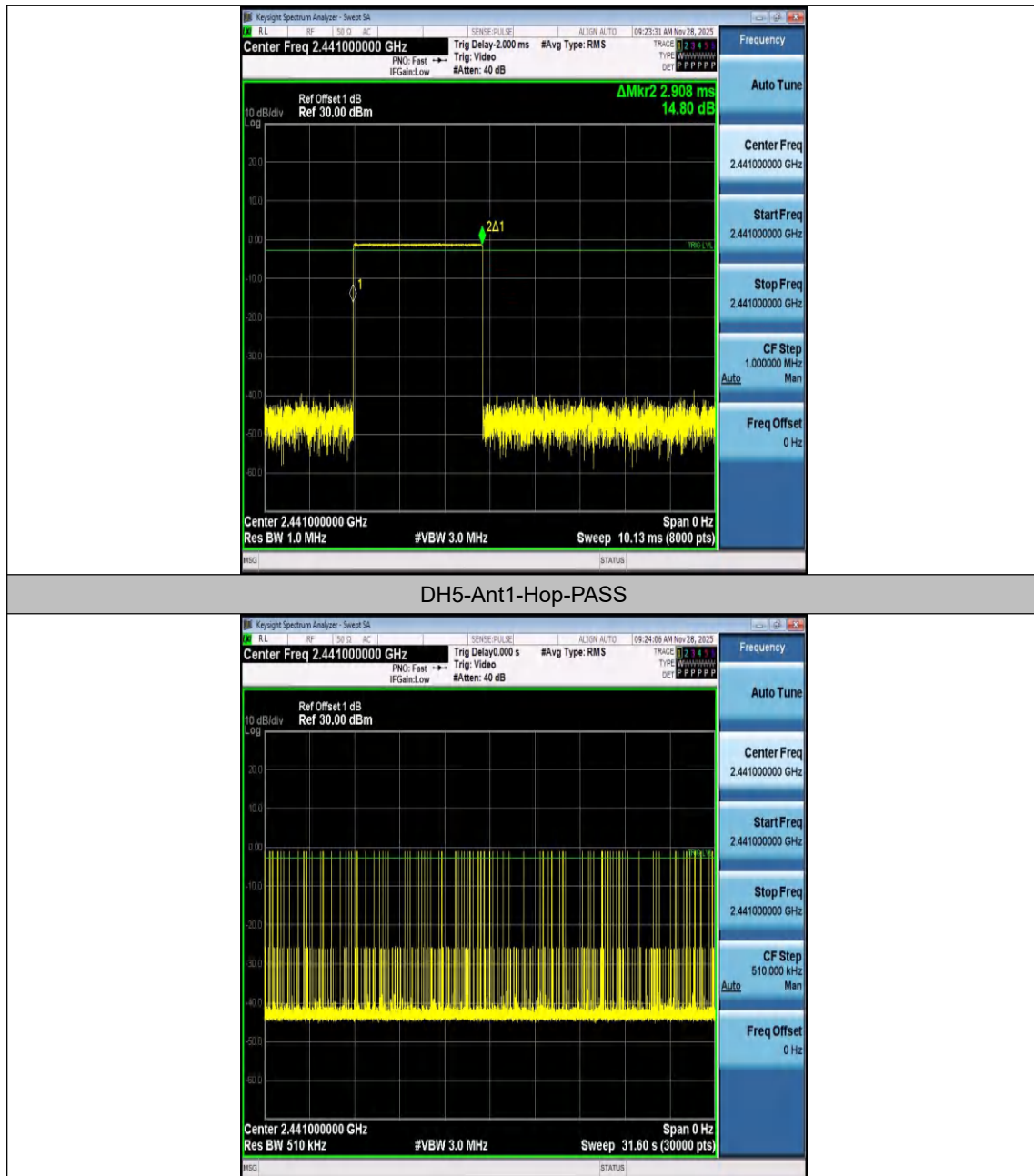
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	113	0.329	≤0.4	PASS
2DH5	Ant1	Hop	2.915	96	0.28	≤0.4	PASS
3DH5	Ant1	Hop	2.917	113	0.33	≤0.4	PASS

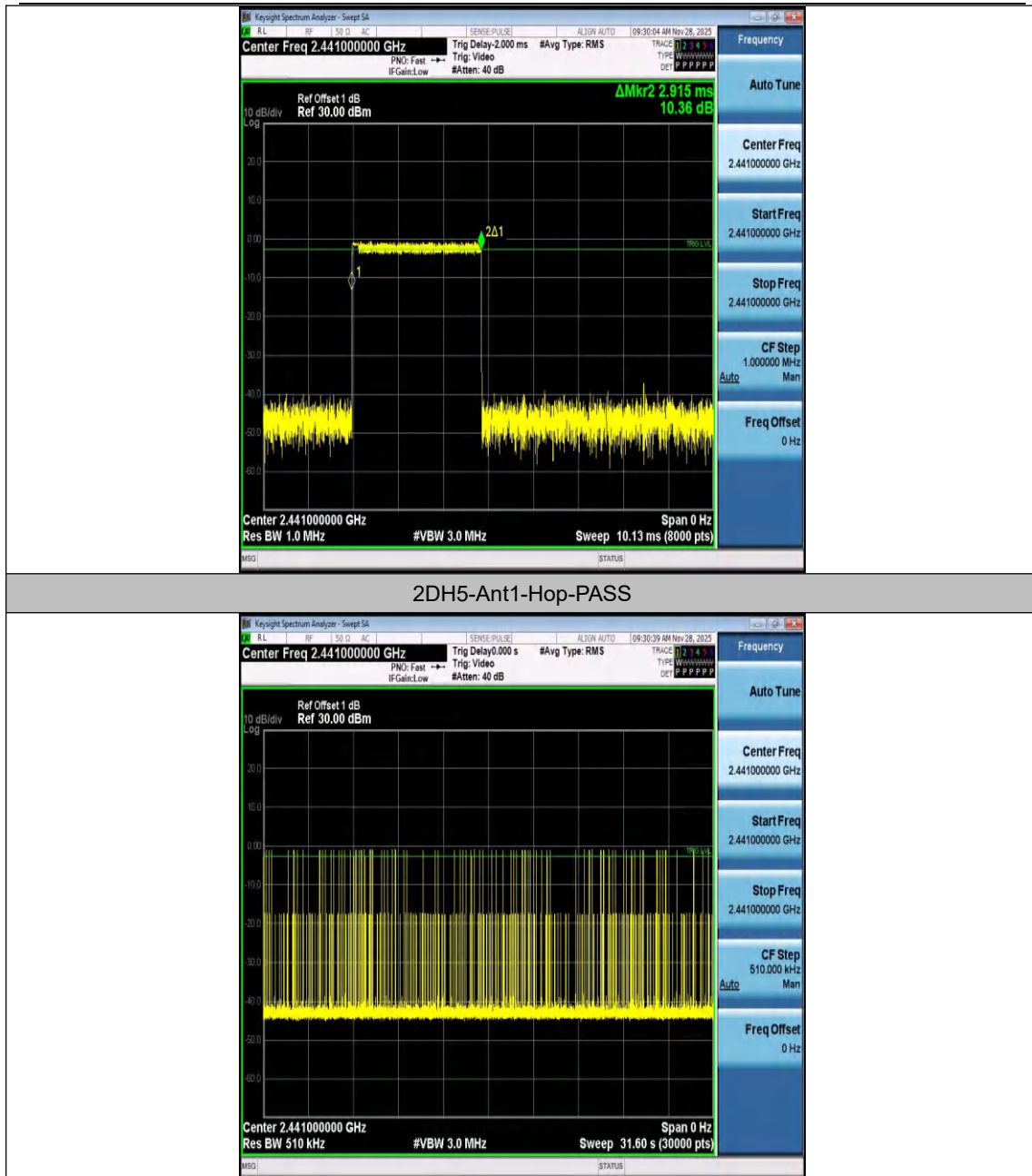
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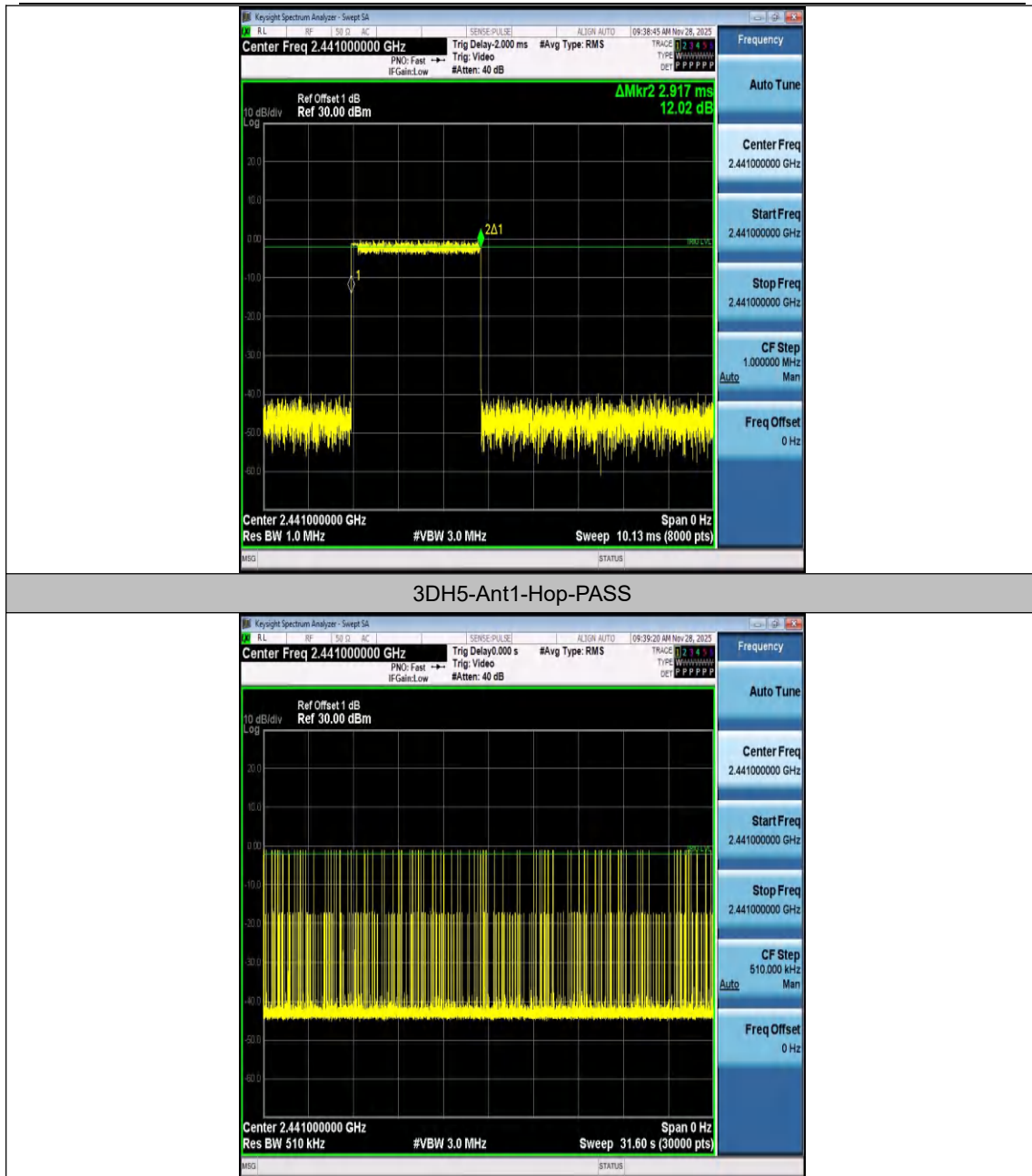
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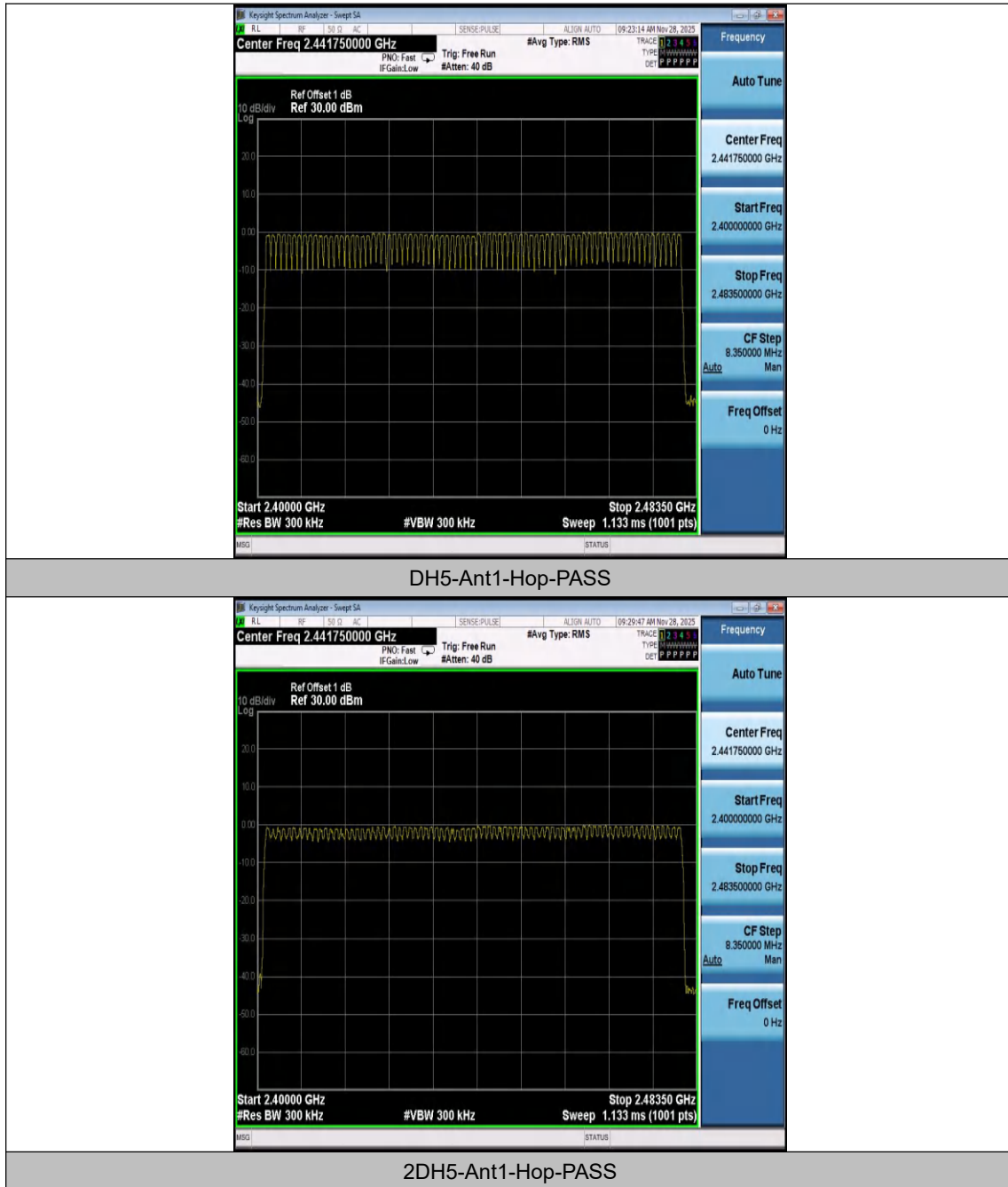
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Appendix F: Number of Hopping Channel

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

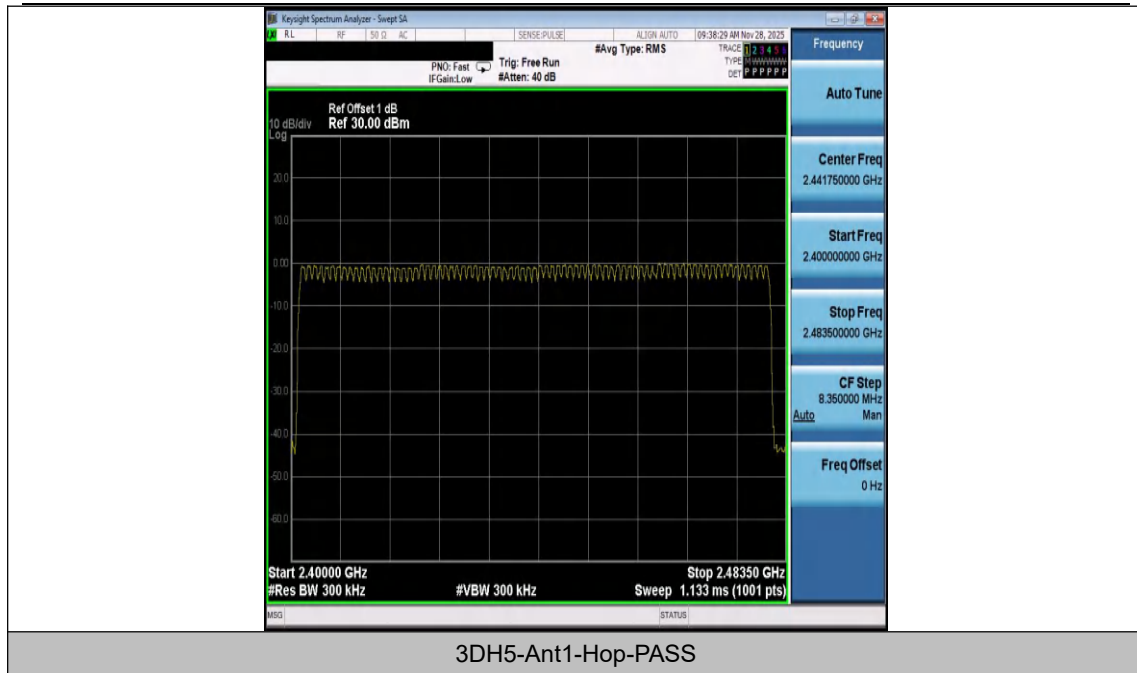
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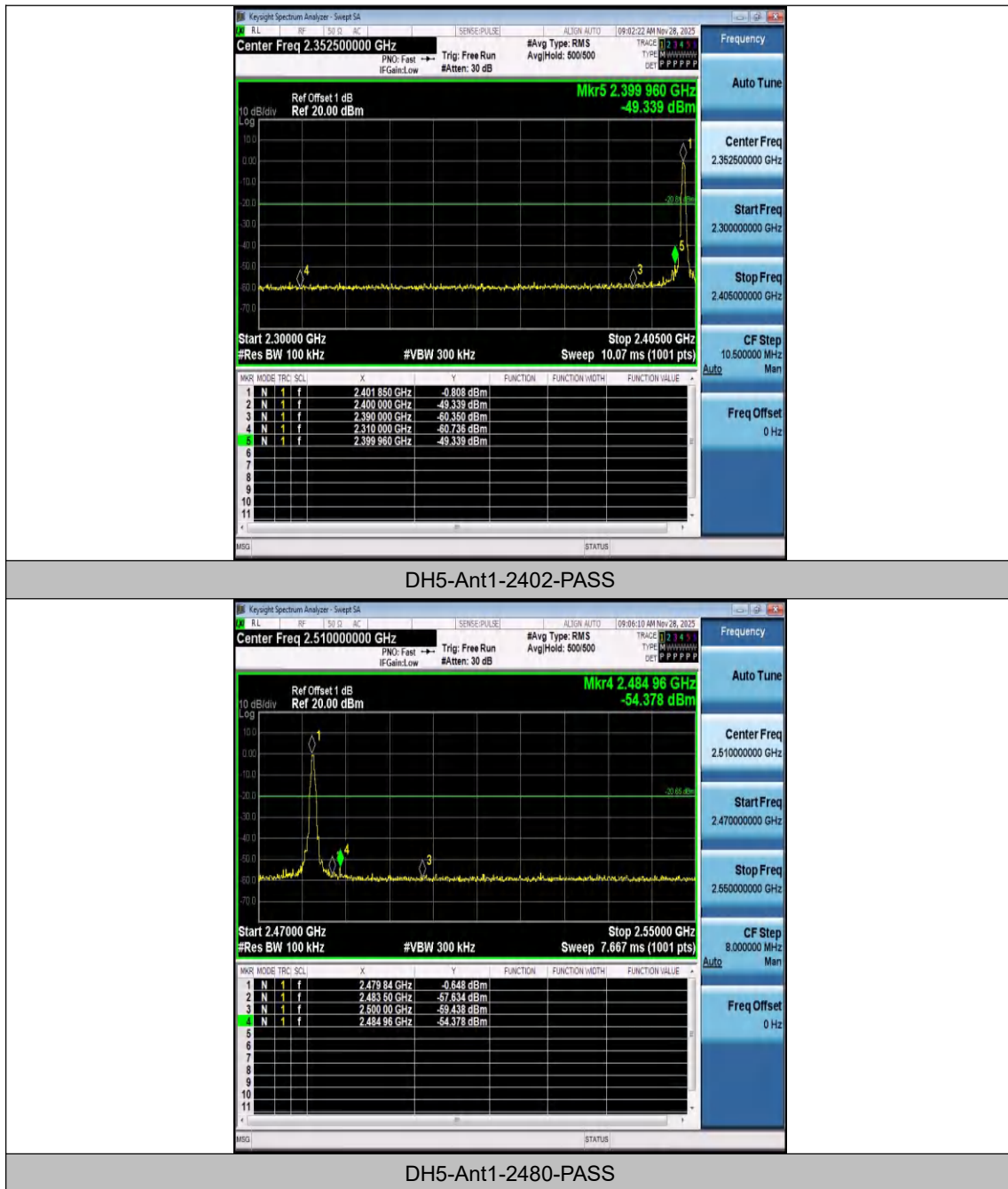
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.81	-49.34	≤-20.81	PASS
DH5	Ant1	High	2480	-0.65	-54.38	≤-20.65	PASS
DH5	Ant1	Low	Hop_2402	-1.61	-56.6	≤-21.61	PASS
DH5	Ant1	High	Hop_2480	-0.50	-56.58	≤-20.5	PASS
2DH5	Ant1	Low	2402	-0.82	-50.84	≤-20.82	PASS
2DH5	Ant1	High	2480	-0.68	-55.14	≤-20.68	PASS
2DH5	Ant1	Low	Hop_2402	-1.07	-57.53	≤-21.07	PASS
2DH5	Ant1	High	Hop_2480	-1.09	-56.58	≤-21.09	PASS
3DH5	Ant1	Low	2402	-0.82	-50.94	≤-20.82	PASS
3DH5	Ant1	High	2480	-0.77	-53.45	≤-20.77	PASS
3DH5	Ant1	Low	Hop_2402	-4.63	-57.34	≤-24.63	PASS
3DH5	Ant1	High	Hop_2480	-1.98	-56.73	≤-21.98	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.

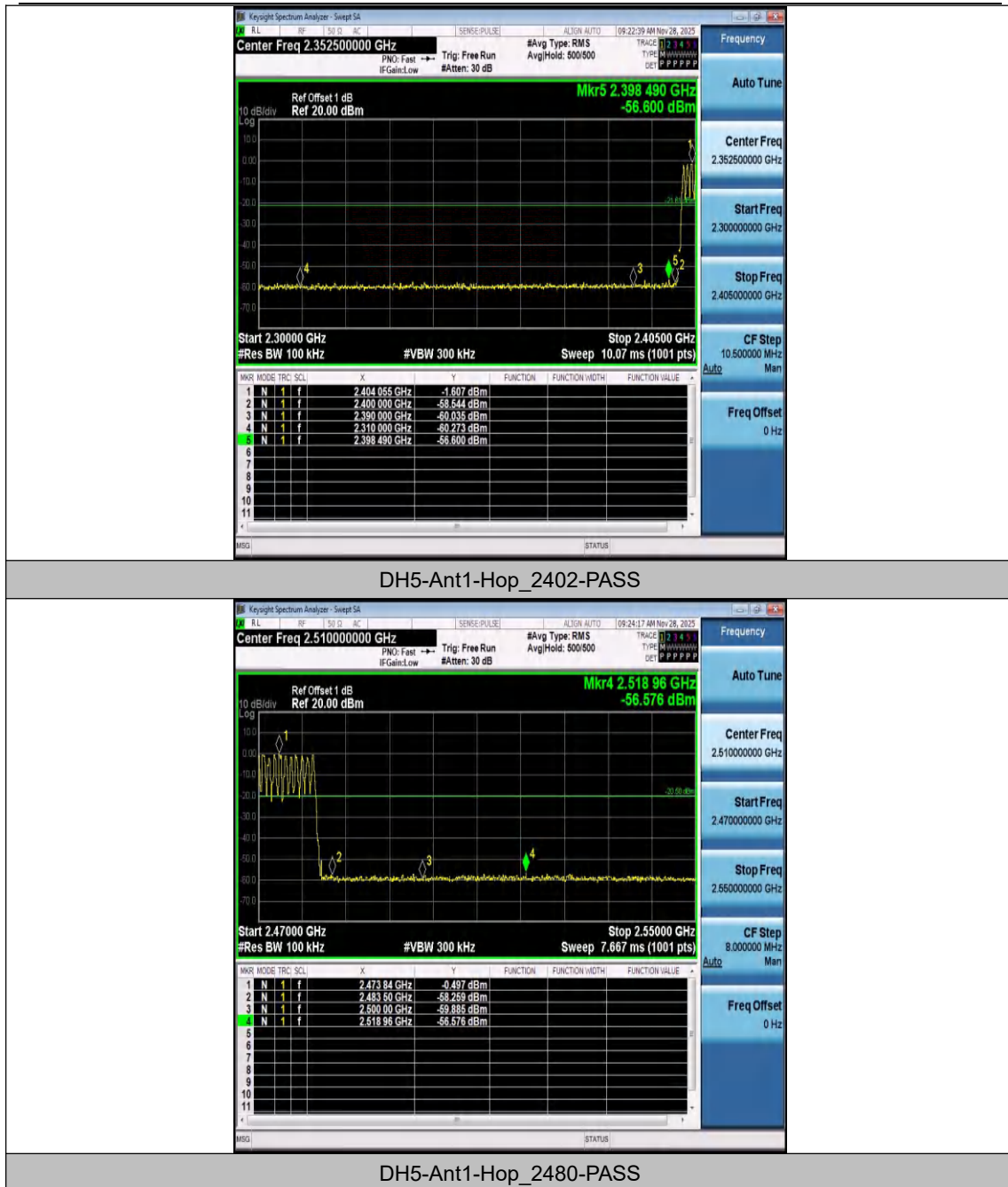
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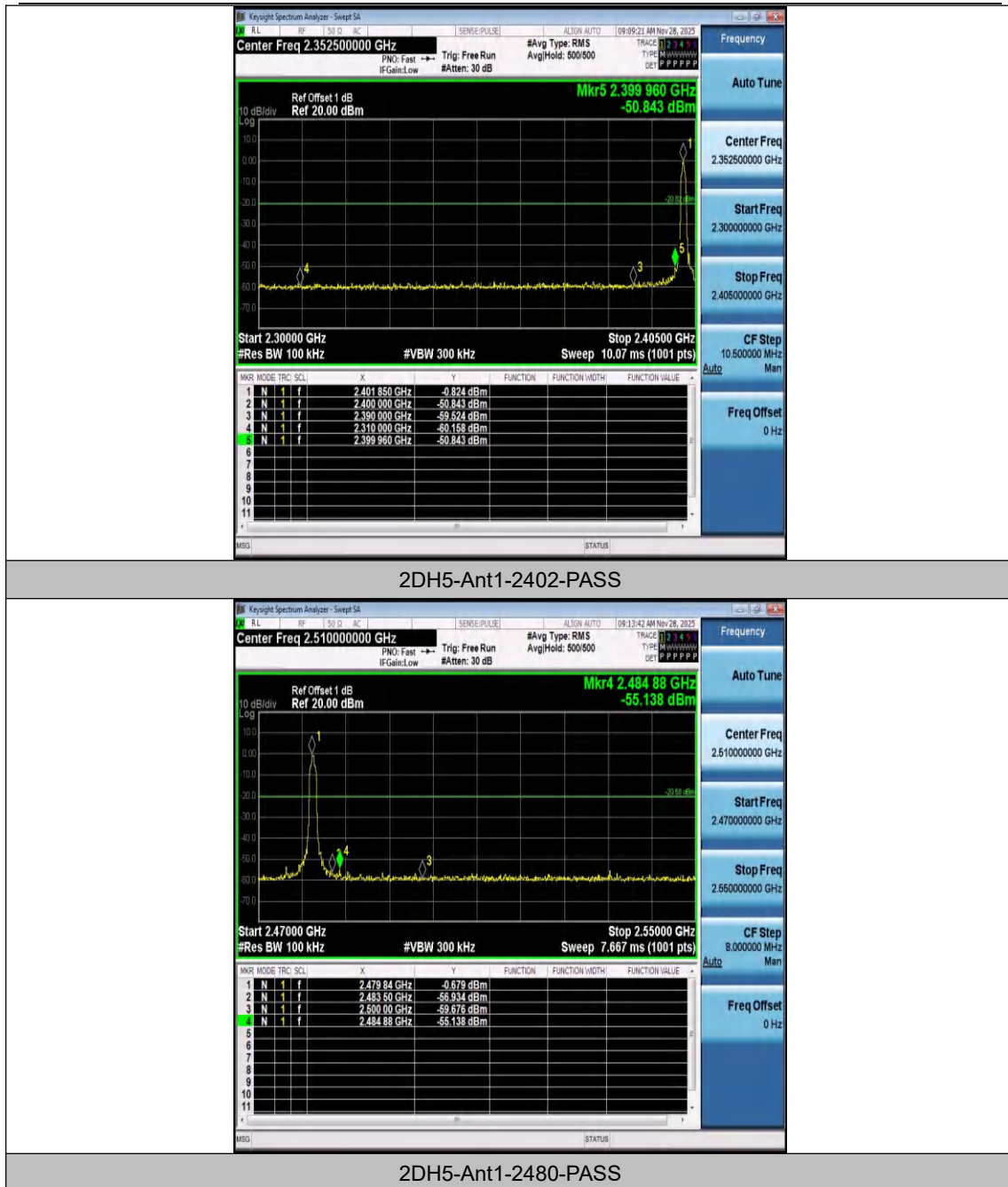


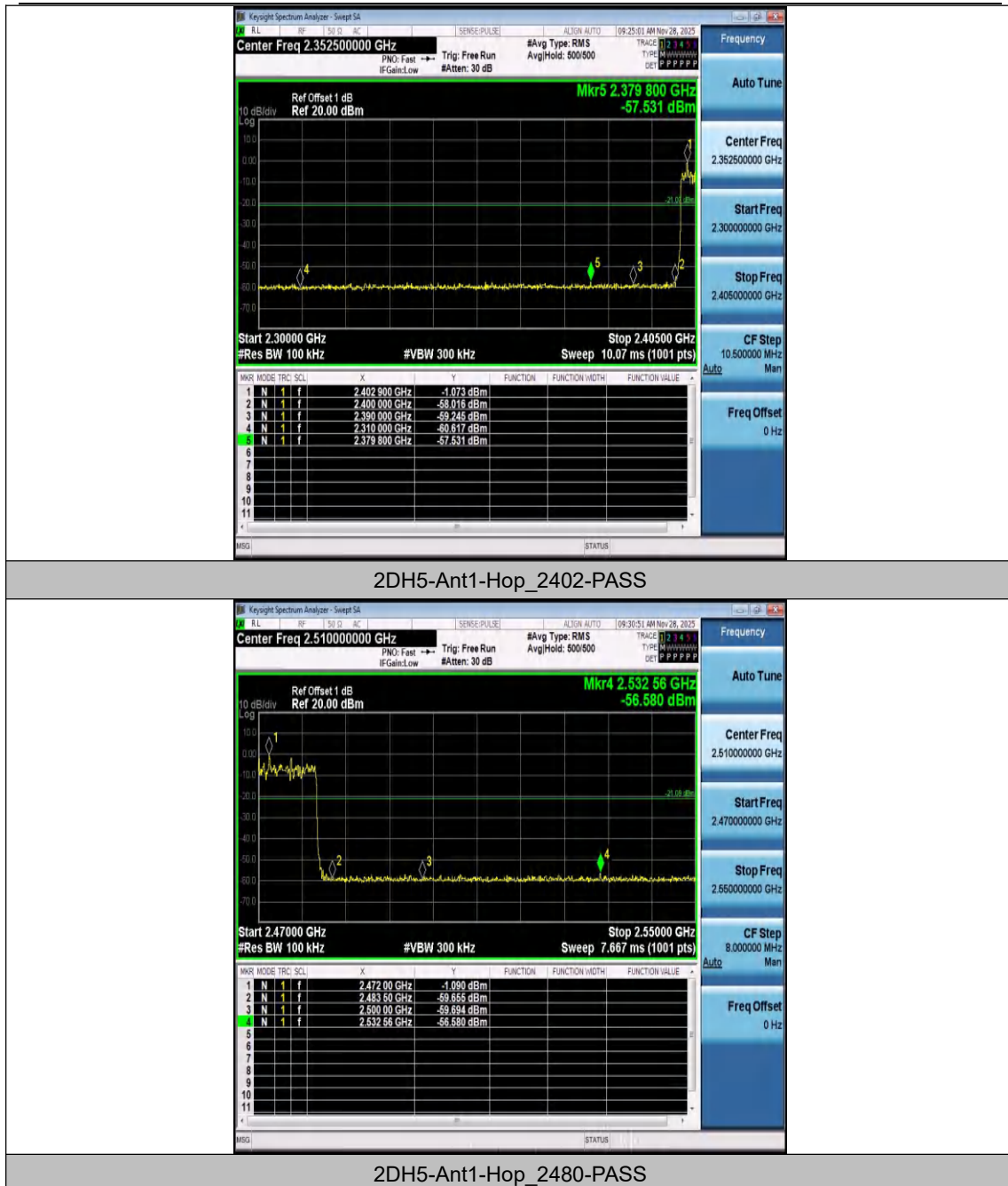
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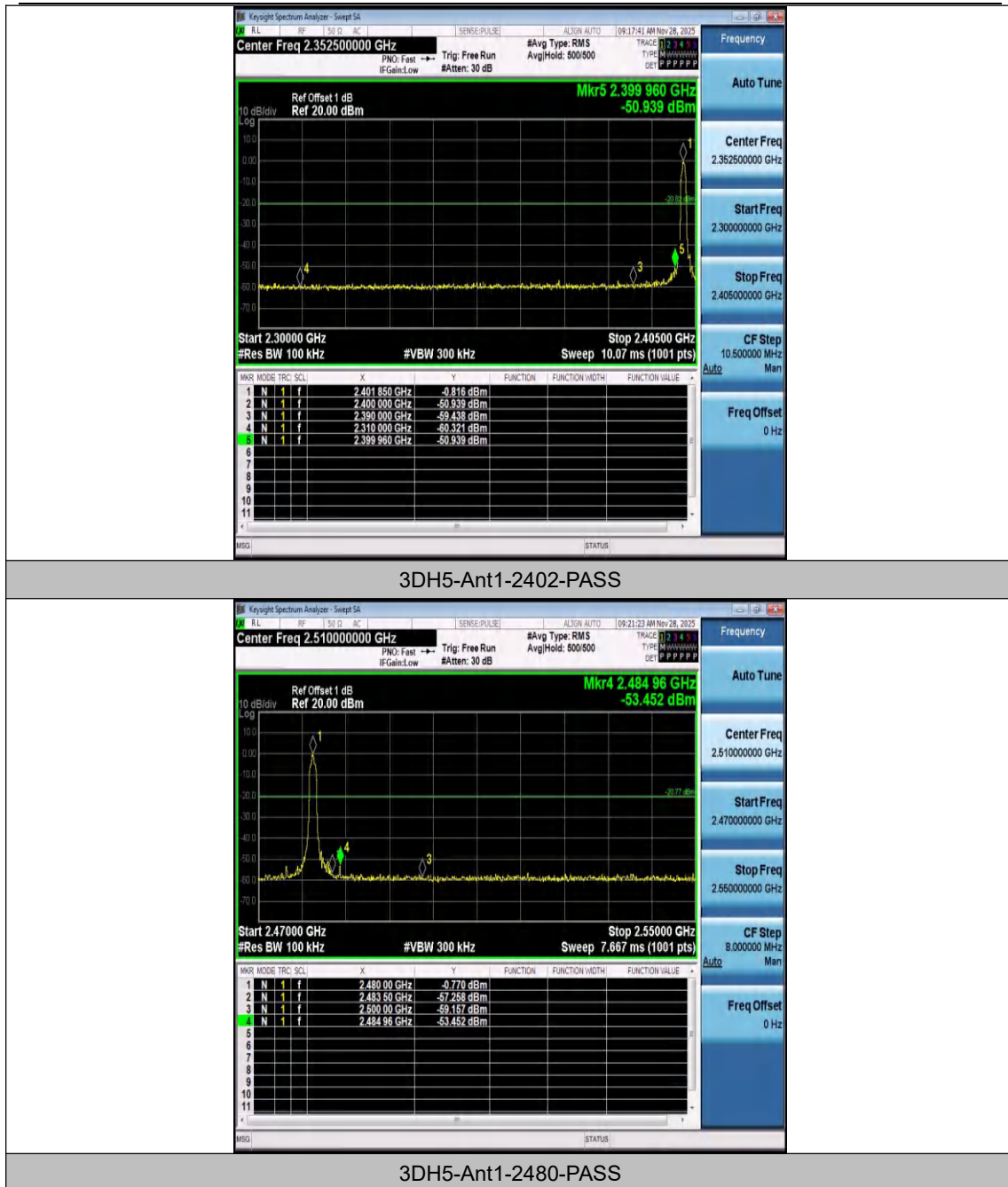
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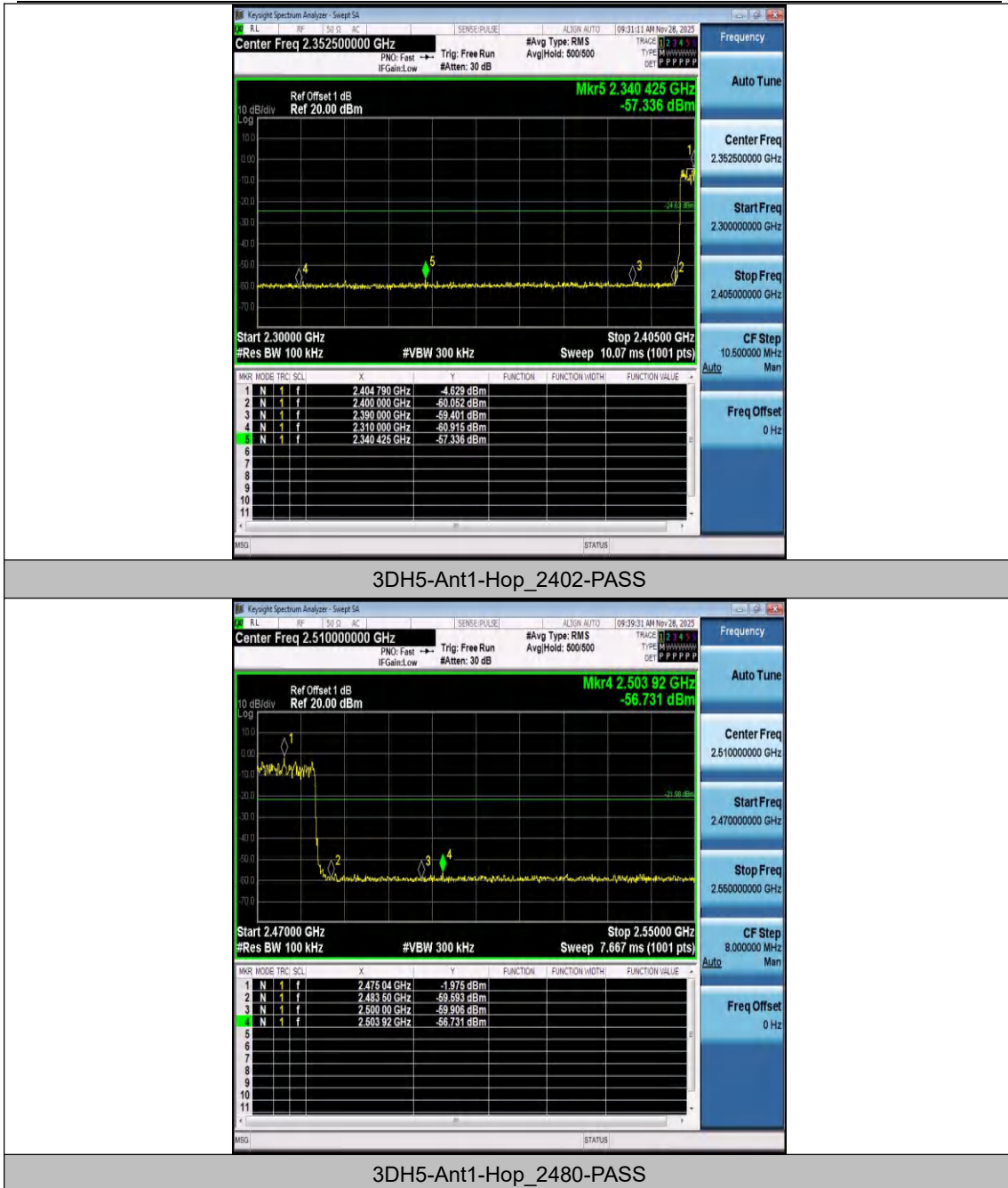
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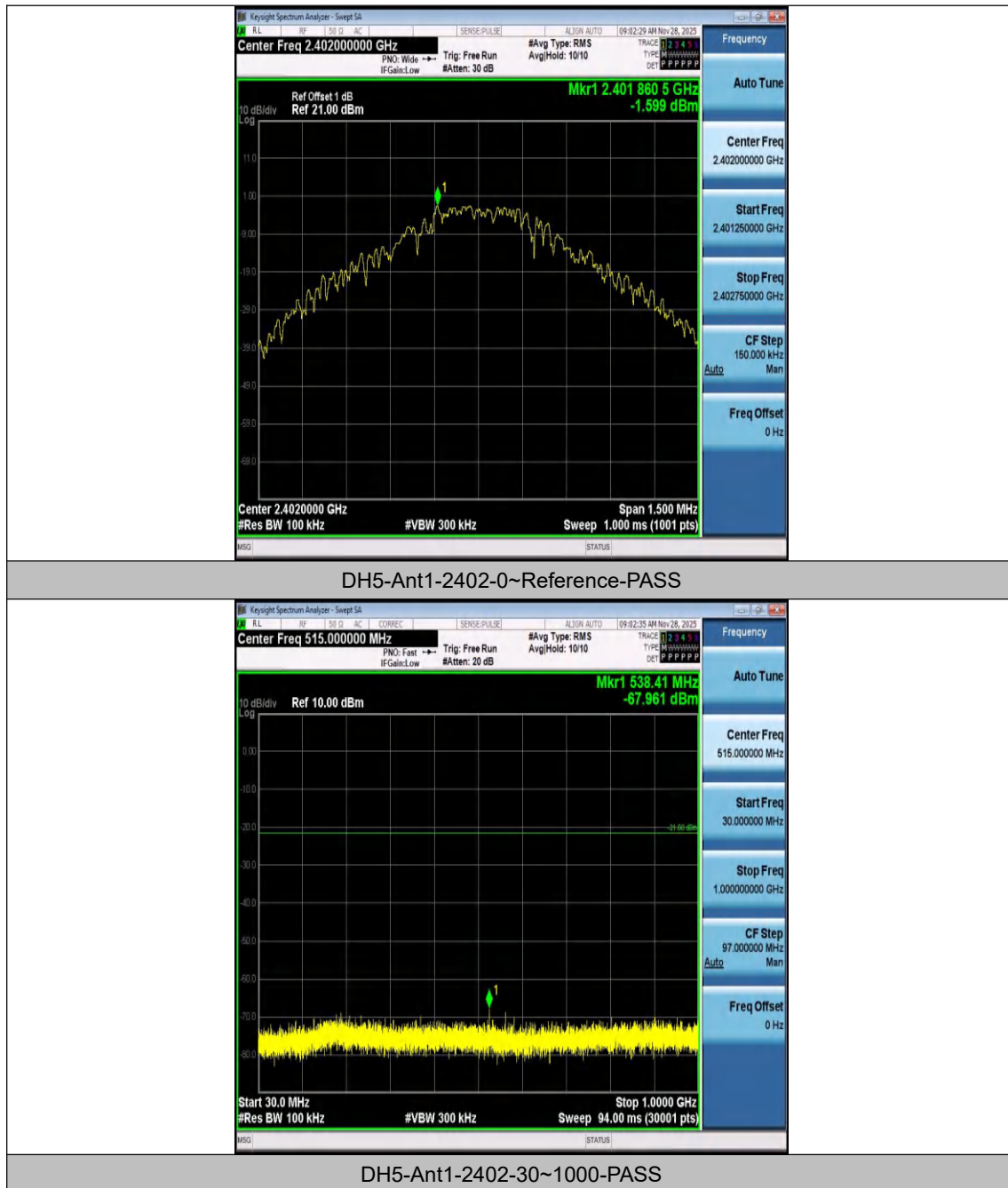
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.60	-1.60	---	PASS
DH5	Ant1	2402	30~1000	-1.60	-67.96	≤-21.6	PASS
DH5	Ant1	2402	1000~26500	-1.60	-32.12	≤-21.6	PASS
DH5	Ant1	2441	0~Reference	-1.25	-1.25	---	PASS
DH5	Ant1	2441	30~1000	-1.25	-68.33	≤-21.25	PASS
DH5	Ant1	2441	1000~26500	-1.25	-31.63	≤-21.25	PASS
DH5	Ant1	2480	0~Reference	-1.19	-1.19	---	PASS
DH5	Ant1	2480	30~1000	-1.19	-68.61	≤-21.19	PASS
DH5	Ant1	2480	1000~26500	-1.19	-31.7	≤-21.19	PASS
2DH5	Ant1	2402	0~Reference	-1.90	-1.90	---	PASS
2DH5	Ant1	2402	30~1000	-1.90	-69.06	≤-21.9	PASS
2DH5	Ant1	2402	1000~26500	-1.90	-37.78	≤-21.9	PASS
2DH5	Ant1	2441	0~Reference	-2.86	-2.86	---	PASS
2DH5	Ant1	2441	30~1000	-2.86	-69.09	≤-22.86	PASS
2DH5	Ant1	2441	1000~26500	-2.86	-33.45	≤-22.86	PASS
2DH5	Ant1	2480	0~Reference	-2.21	-2.21	---	PASS
2DH5	Ant1	2480	30~1000	-2.21	-69.07	≤-22.21	PASS
2DH5	Ant1	2480	1000~26500	-2.21	-37.63	≤-22.21	PASS
3DH5	Ant1	2402	0~Reference	-0.86	-0.86	---	PASS
3DH5	Ant1	2402	30~1000	-0.86	-68.88	≤-20.86	PASS
3DH5	Ant1	2402	1000~26500	-0.86	-36.13	≤-20.86	PASS
3DH5	Ant1	2441	0~Reference	-2.44	-2.44	---	PASS
3DH5	Ant1	2441	30~1000	-2.44	-68.68	≤-22.44	PASS
3DH5	Ant1	2441	1000~26500	-2.44	-31.25	≤-22.44	PASS
3DH5	Ant1	2480	0~Reference	-0.77	-0.77	---	PASS
3DH5	Ant1	2480	30~1000	-0.77	-68.46	≤-20.77	PASS
3DH5	Ant1	2480	1000~26500	-0.77	-30.33	≤-20.77	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.

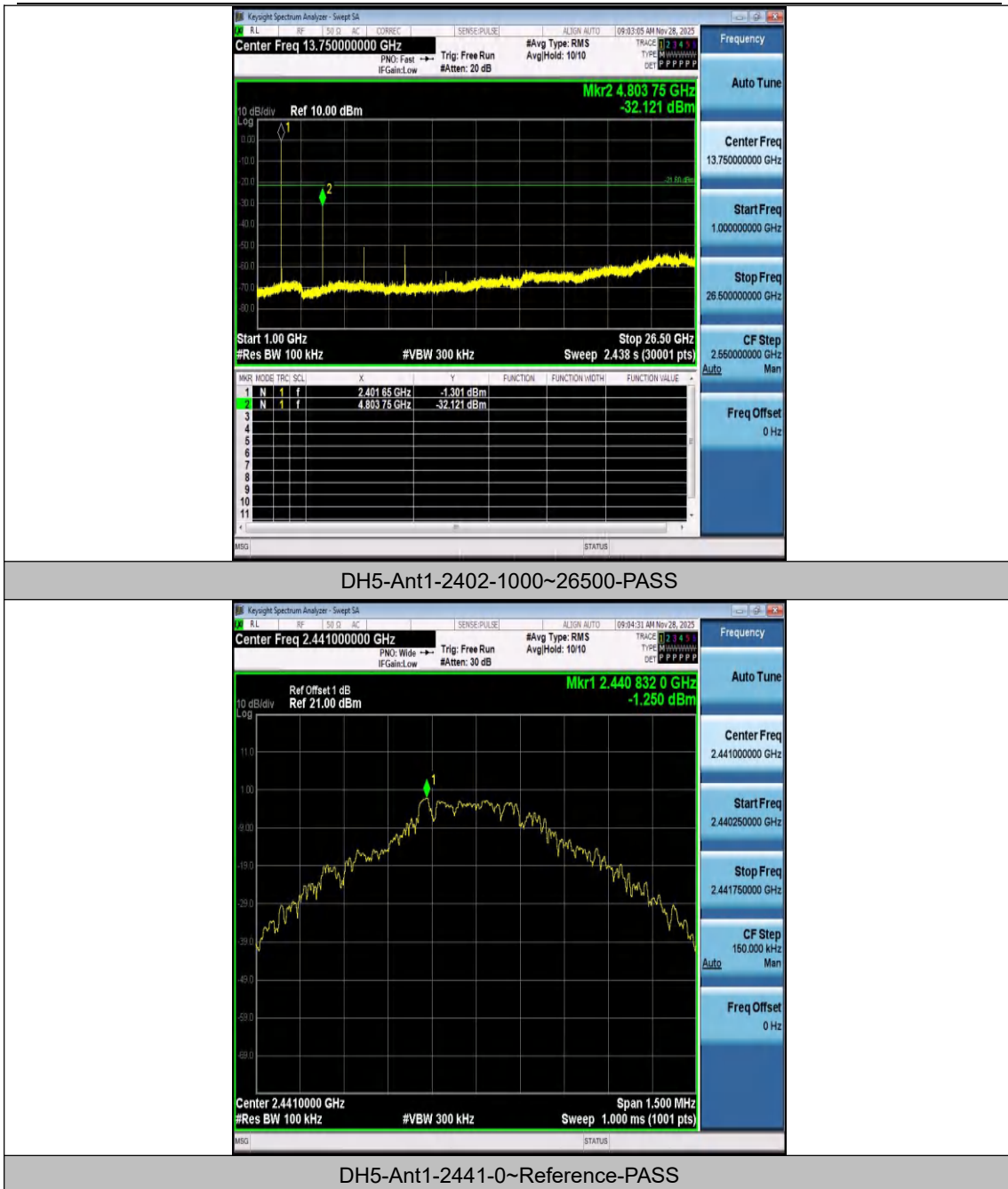
Test Graphs



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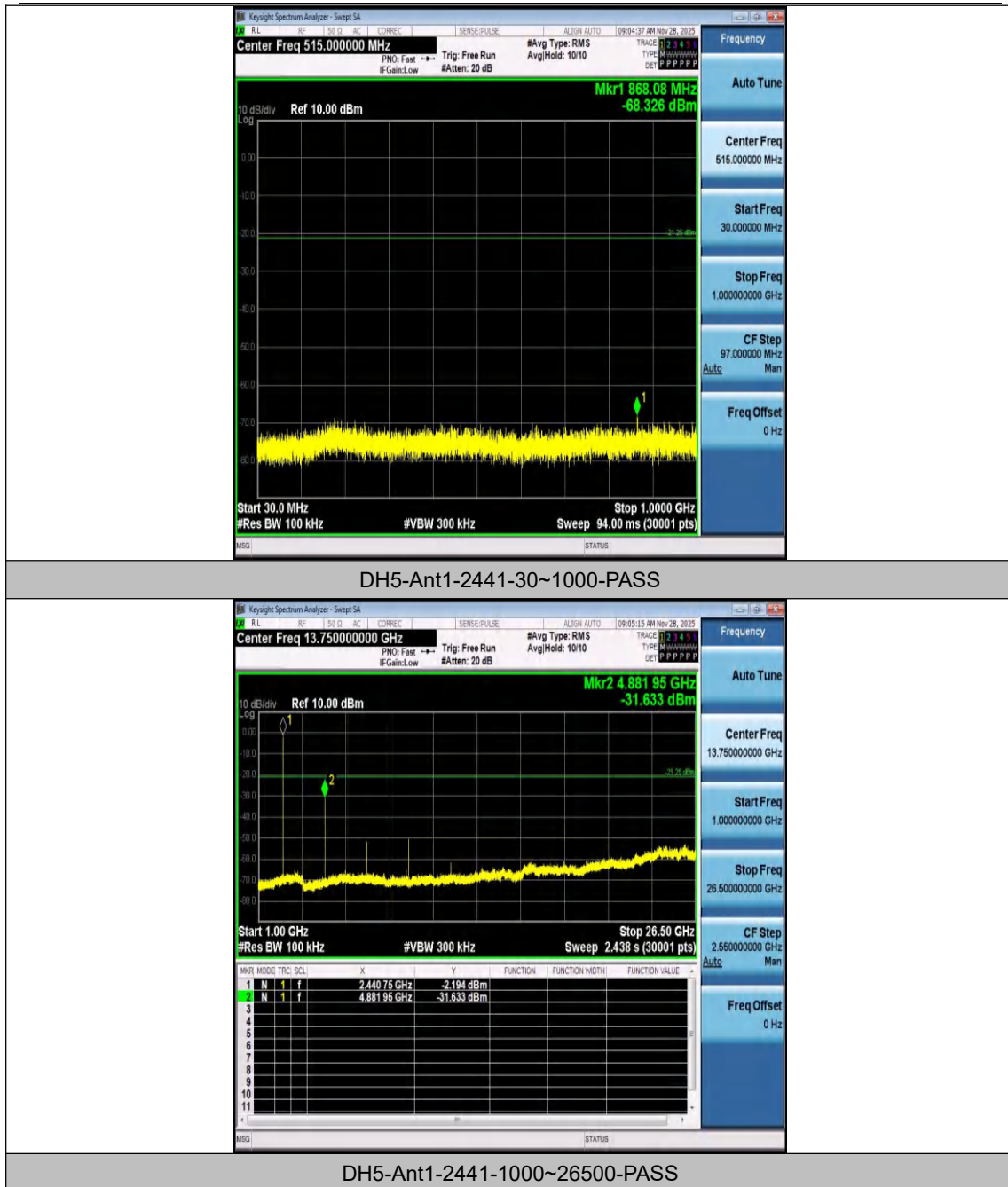
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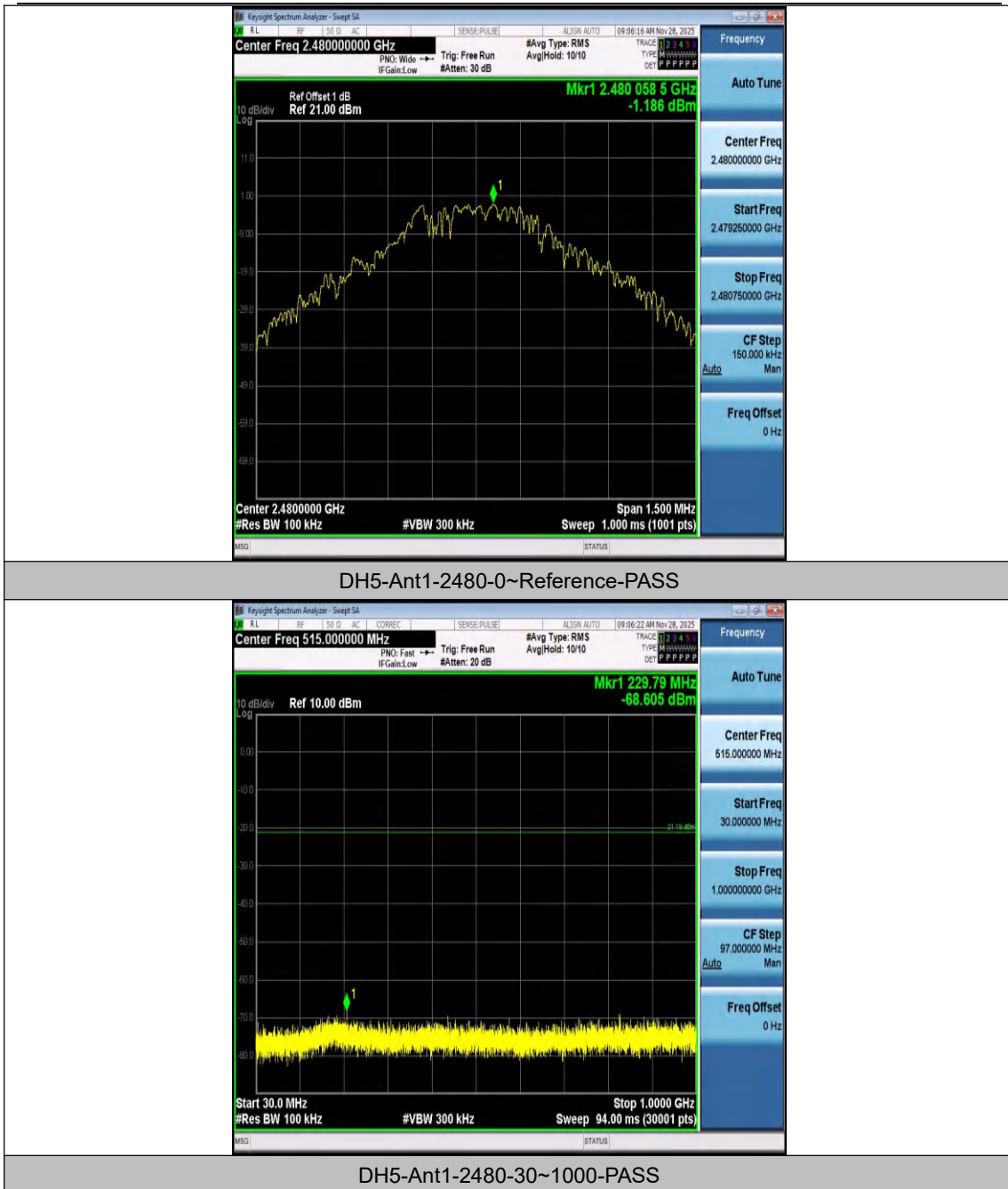
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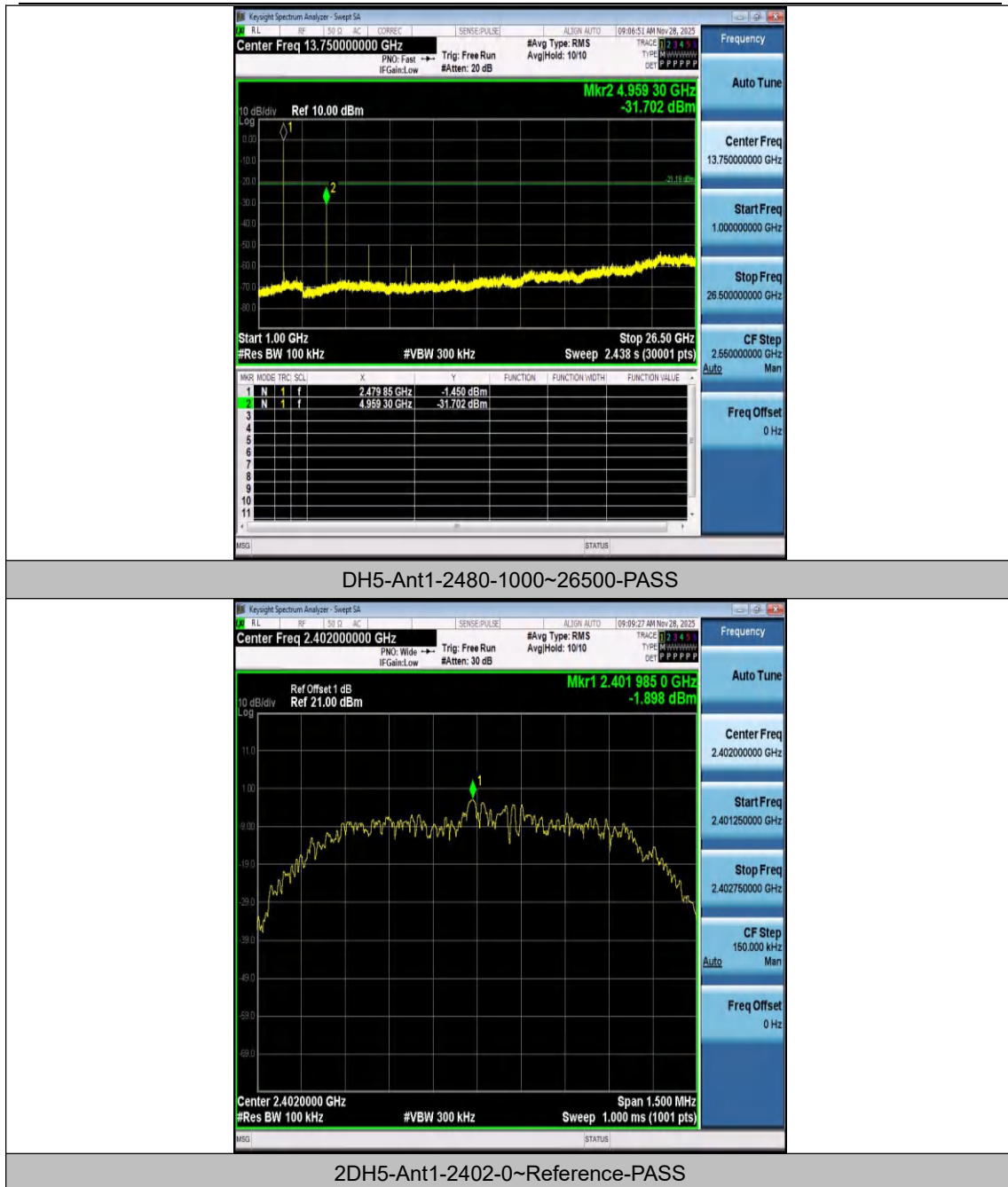
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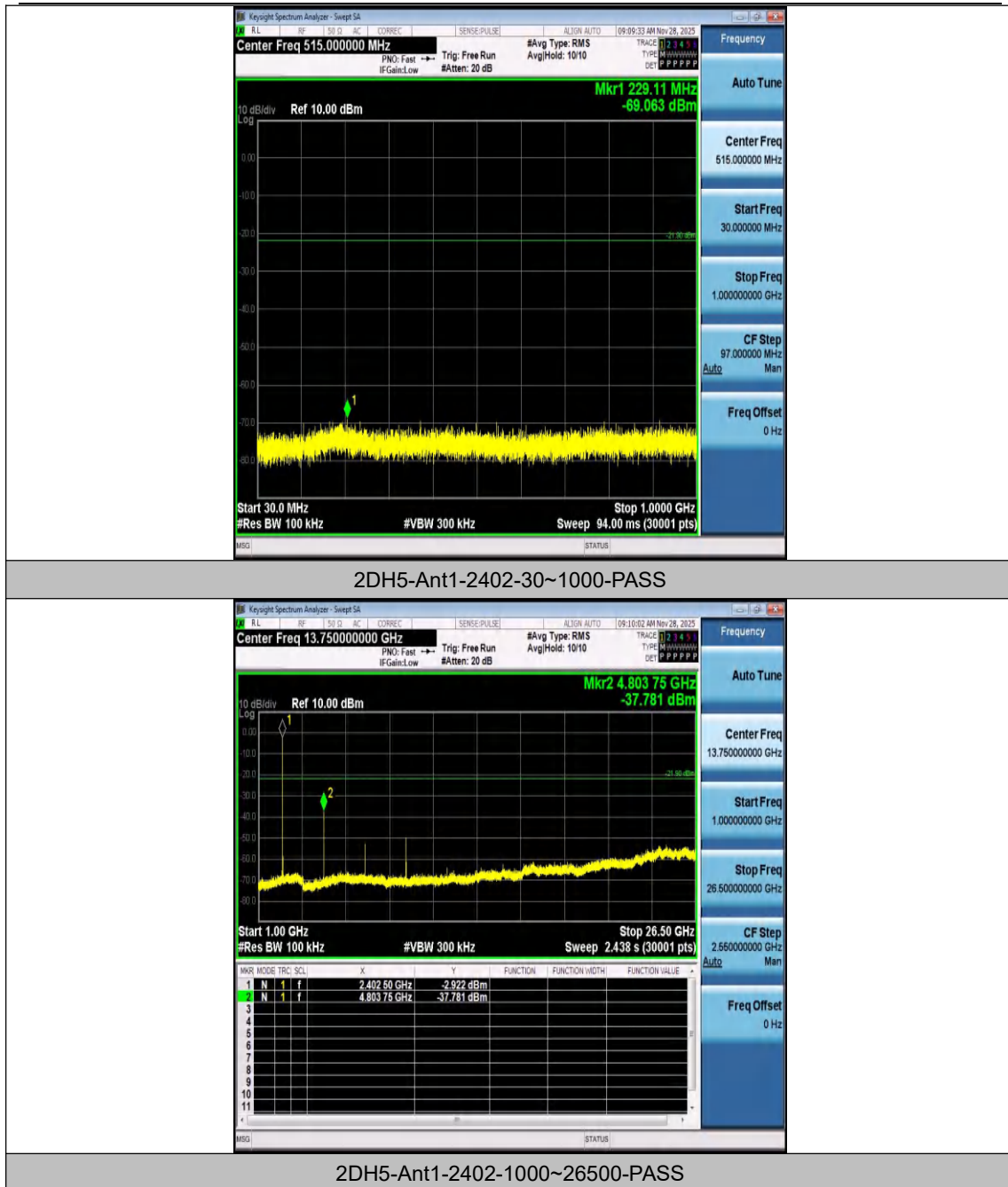
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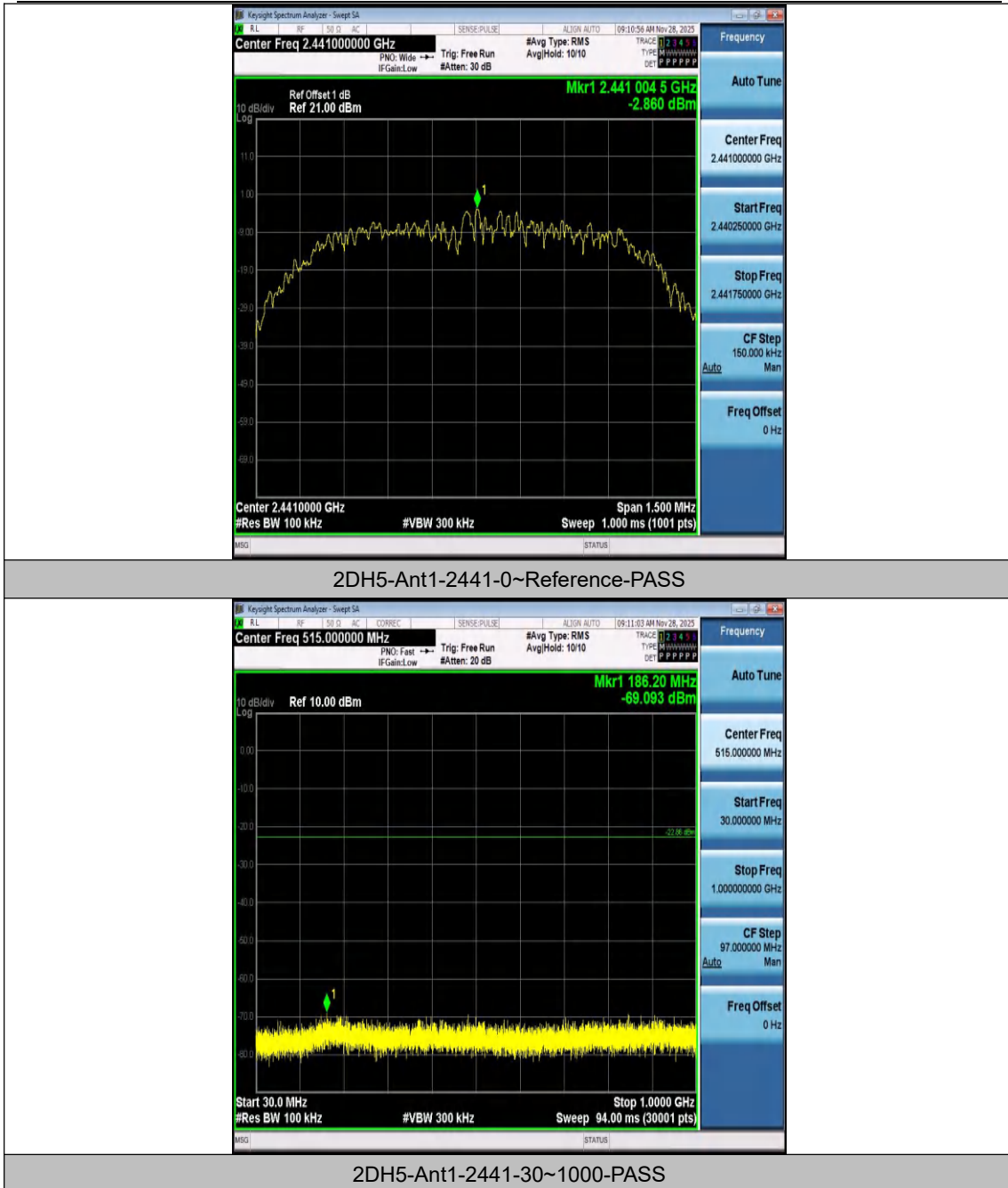
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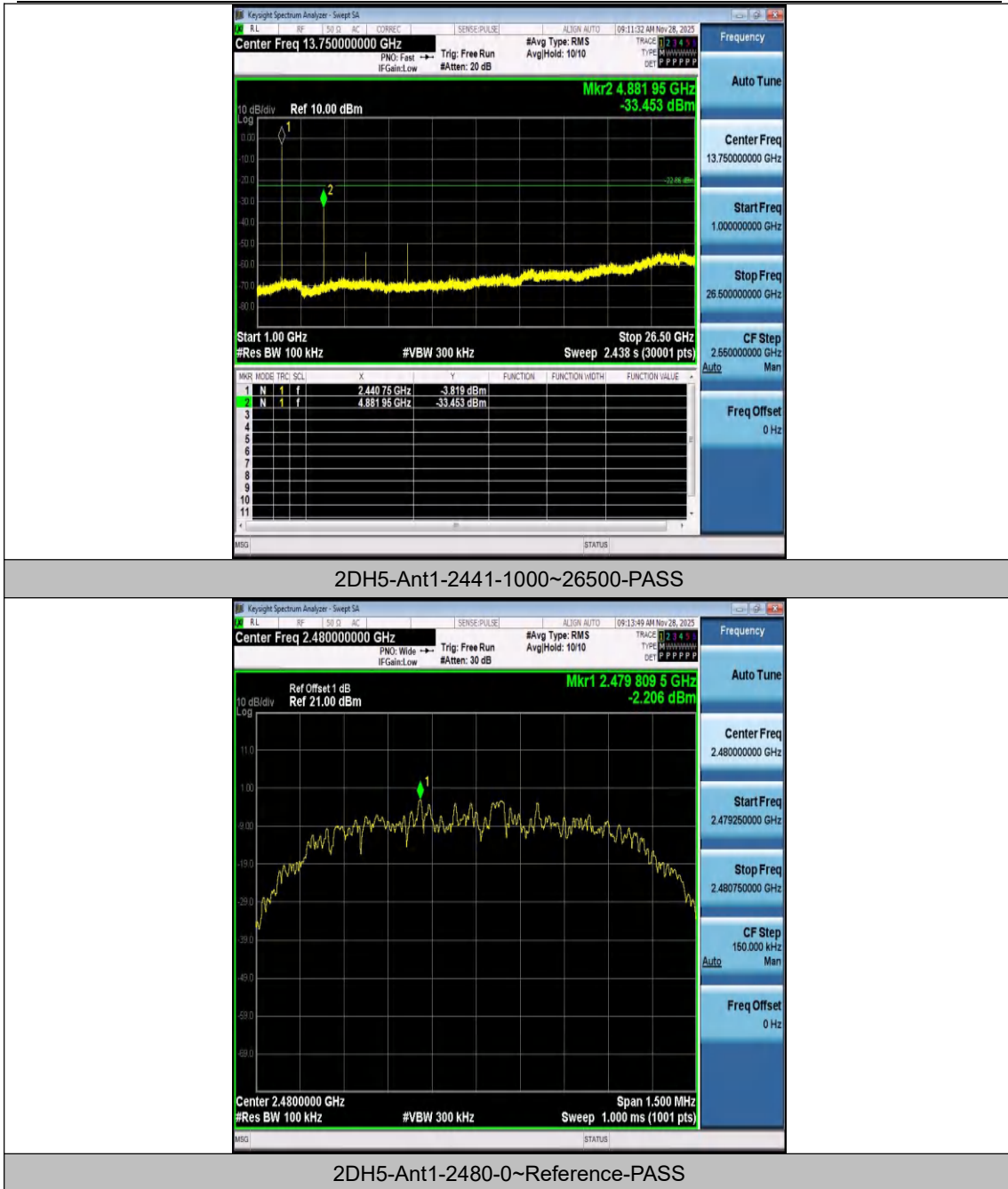
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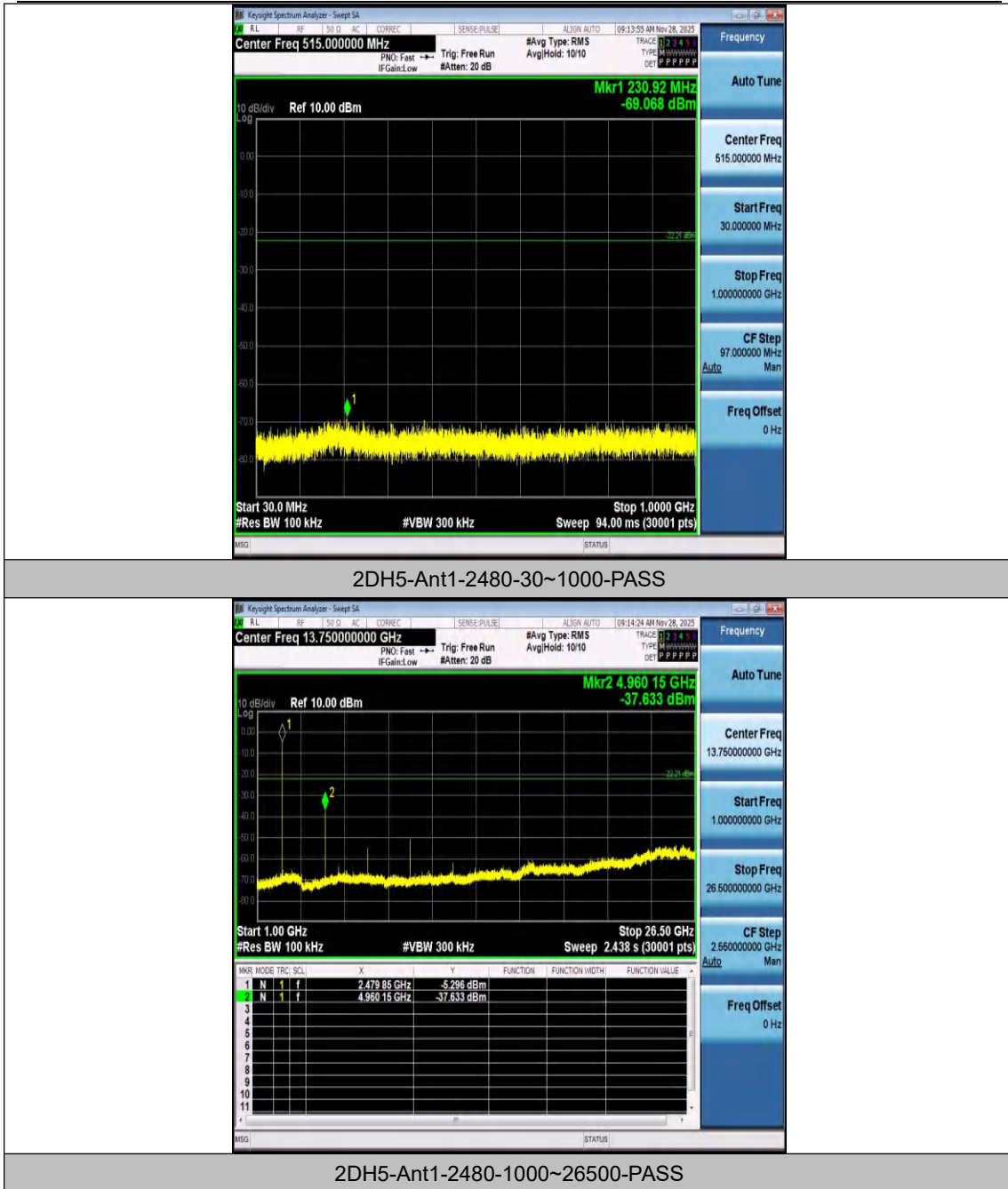
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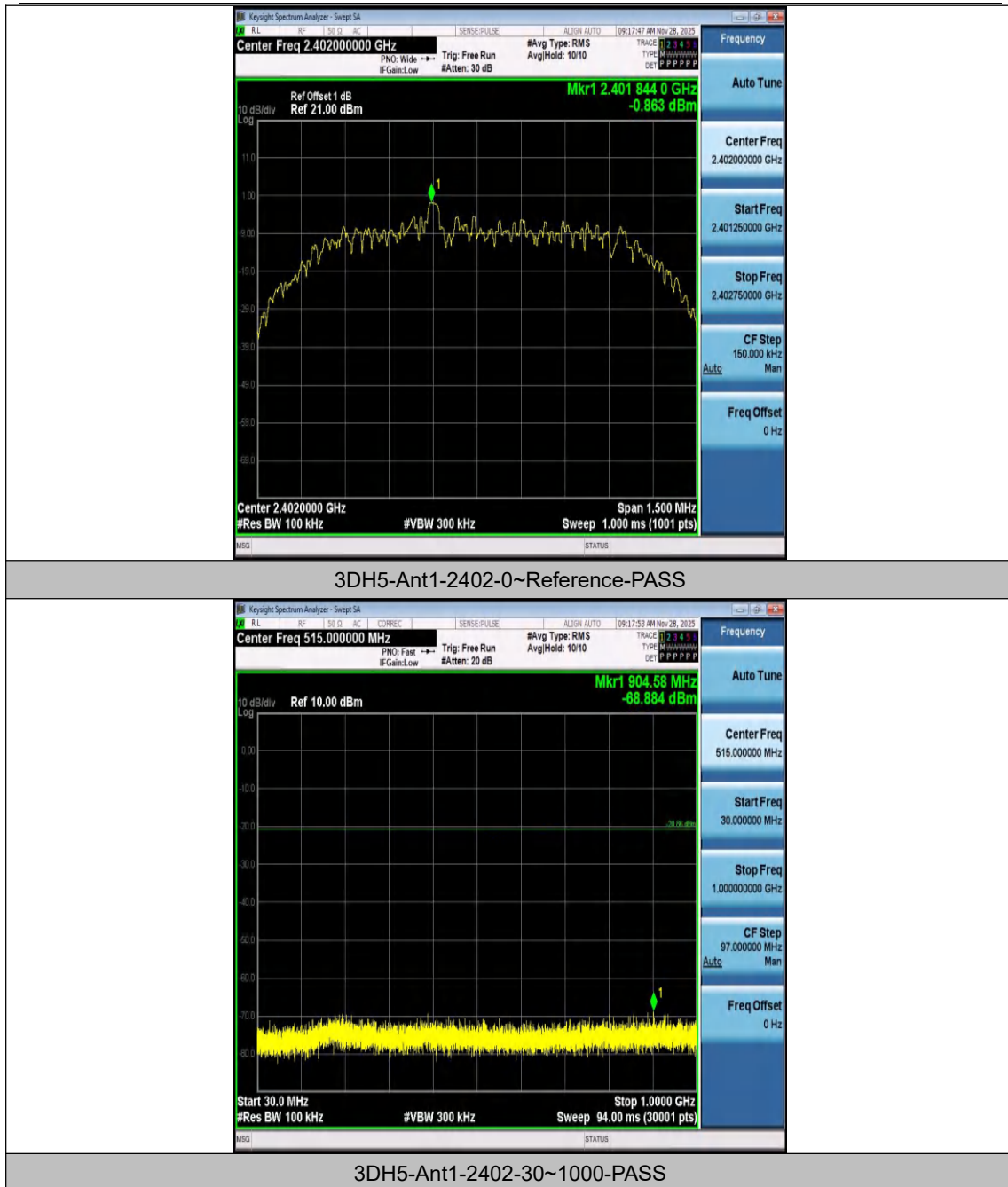
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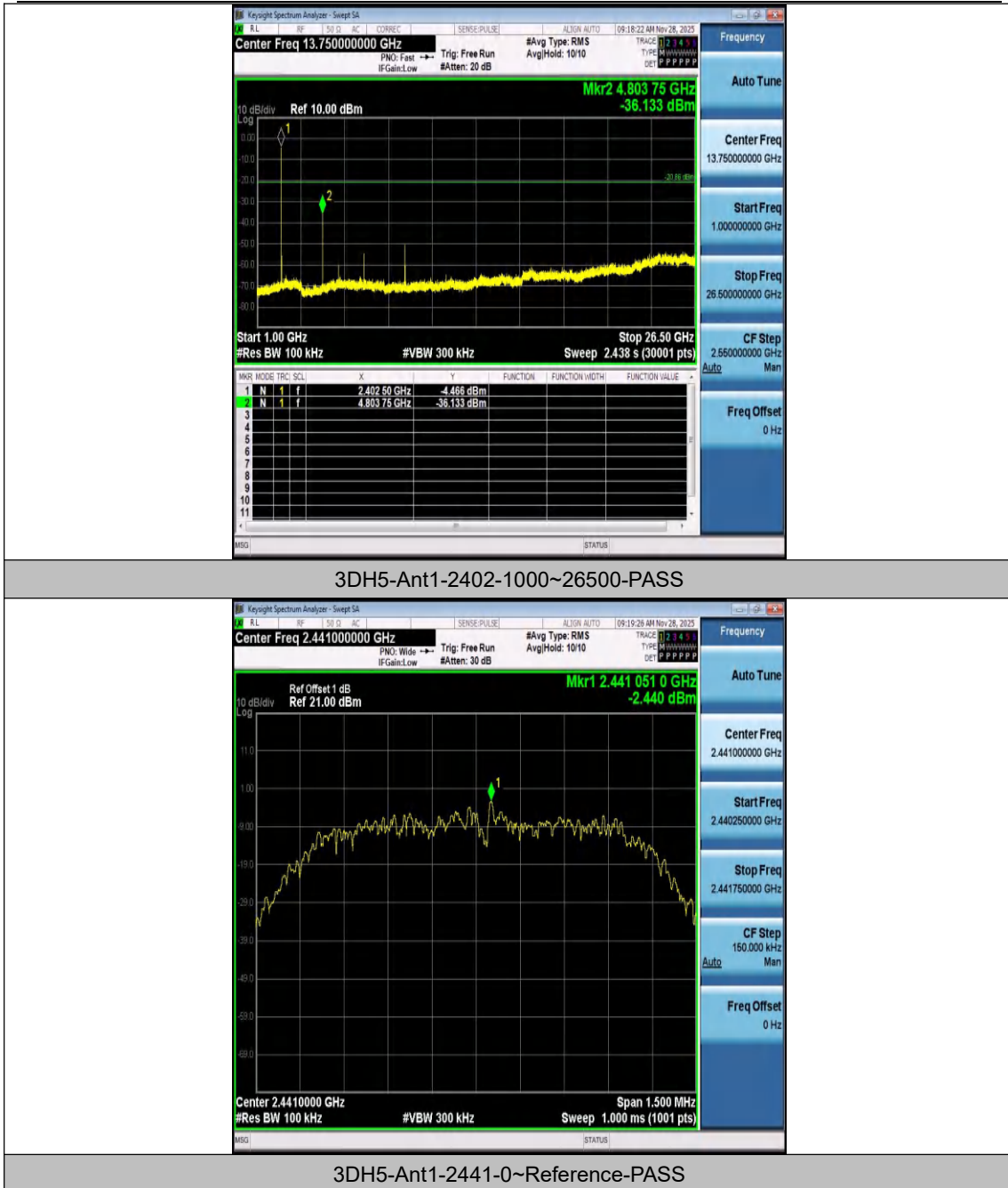
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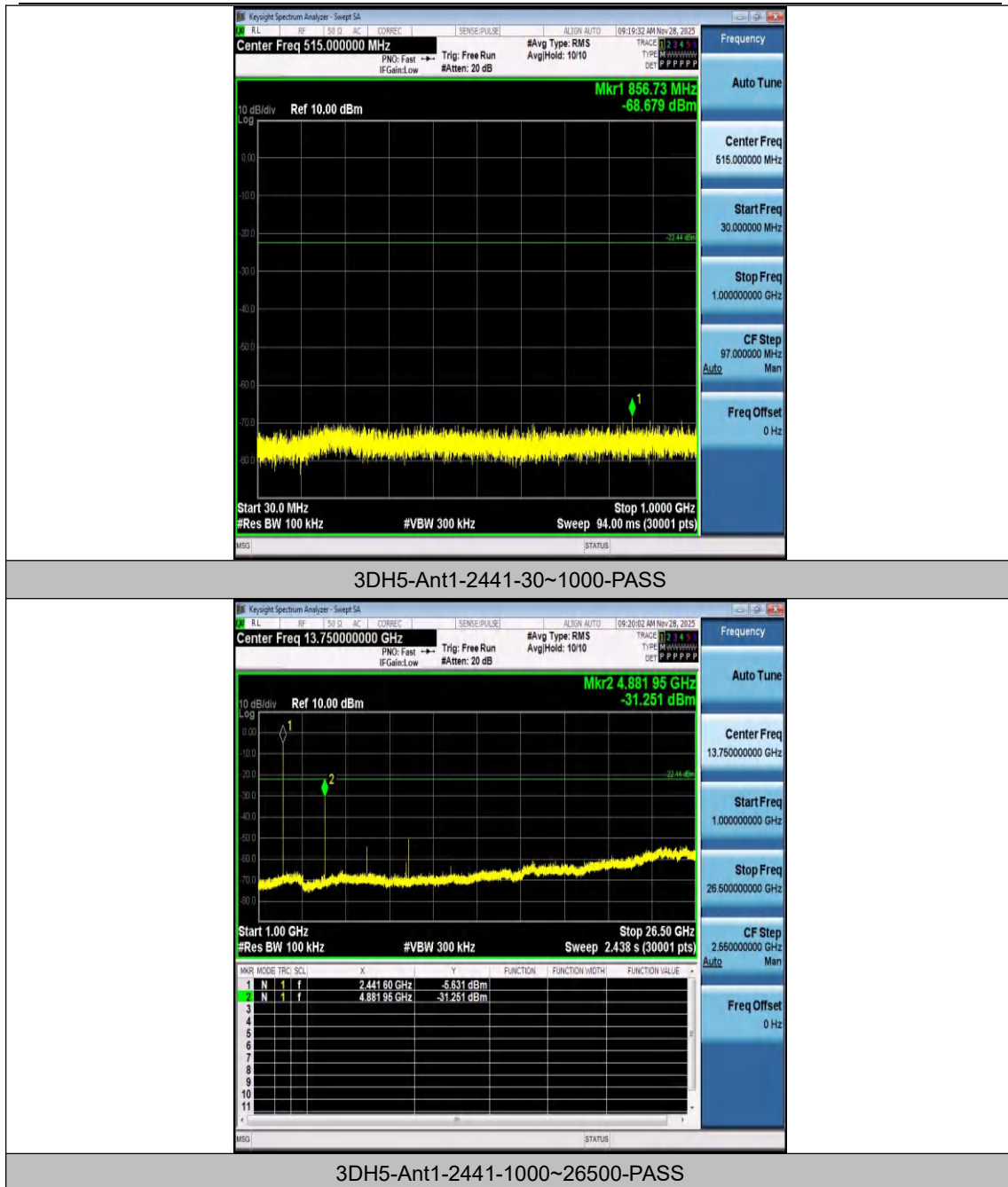
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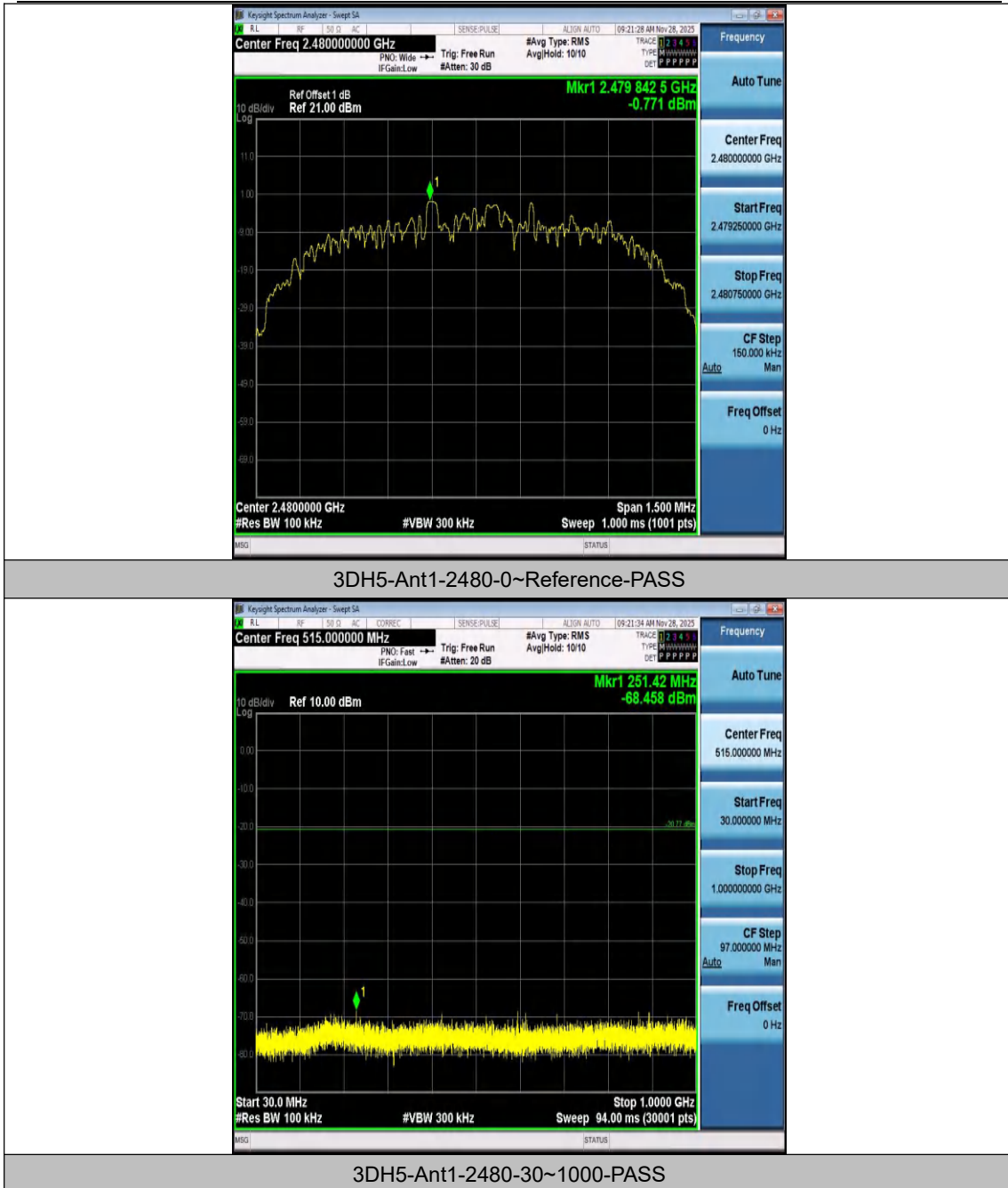
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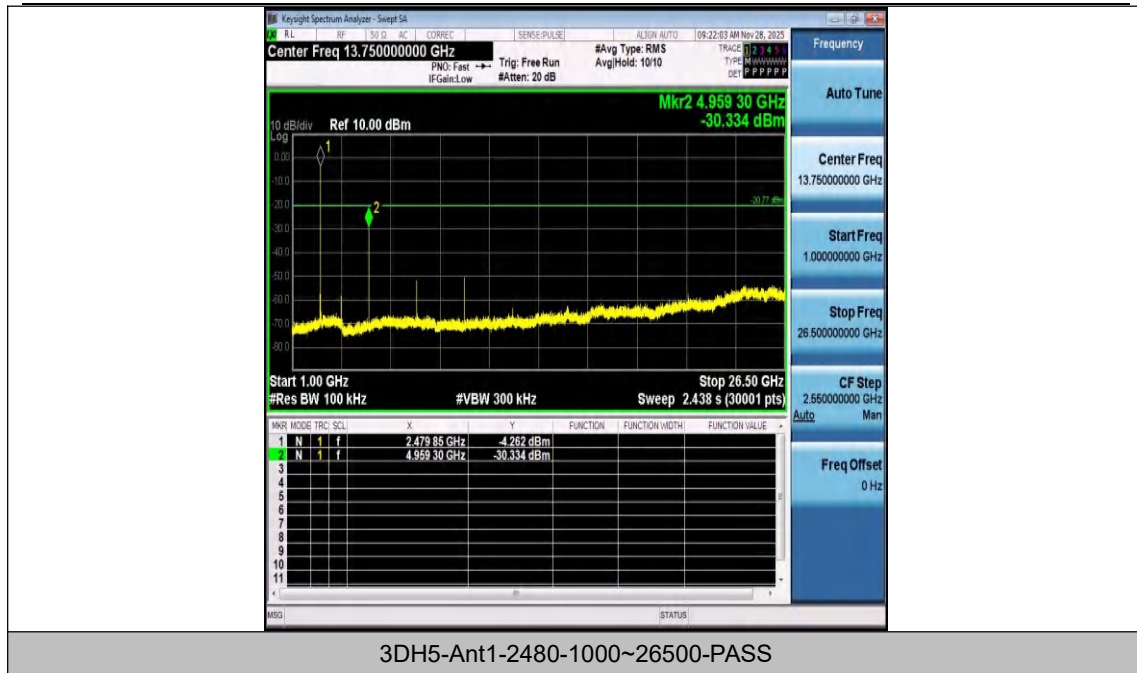
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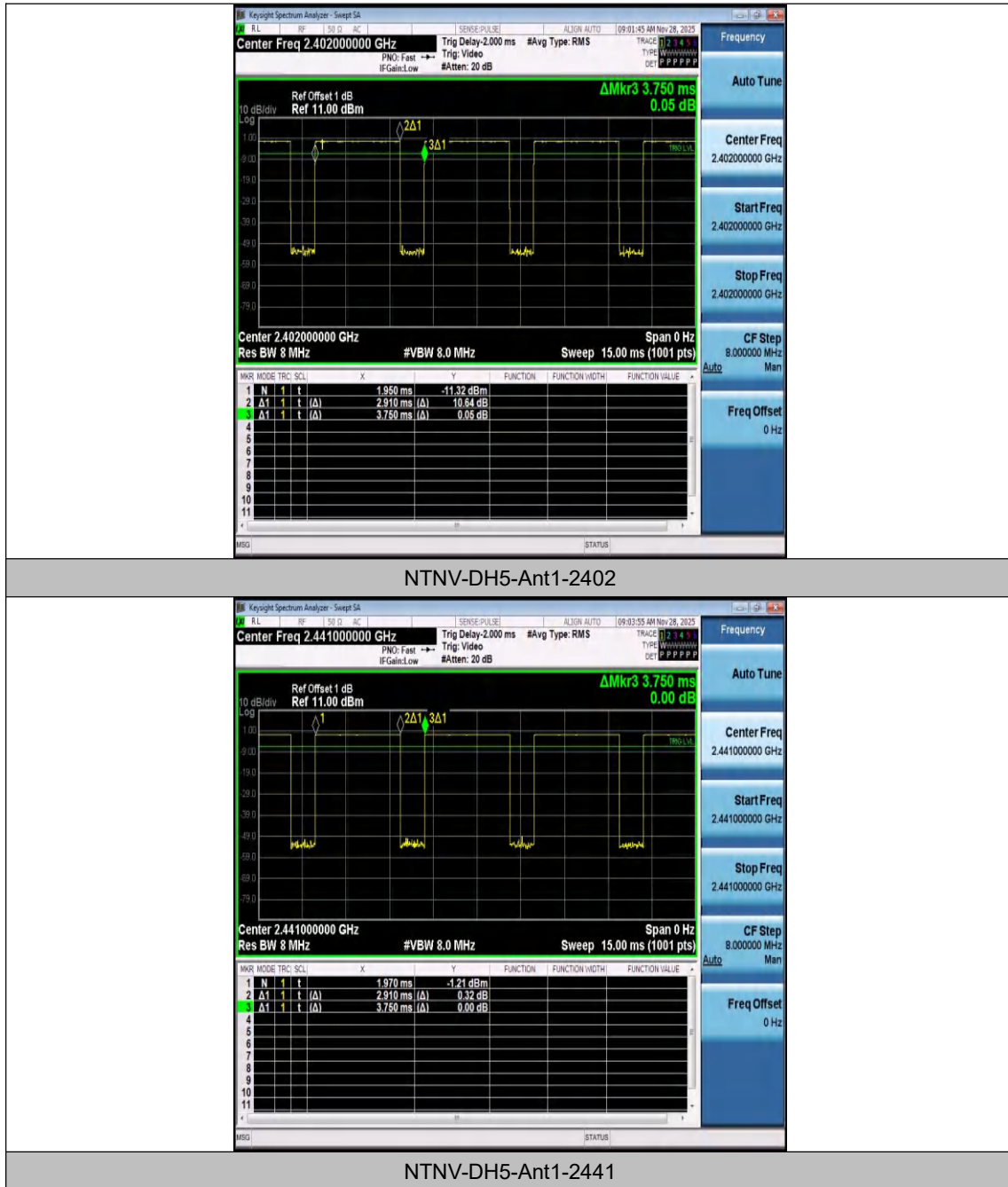
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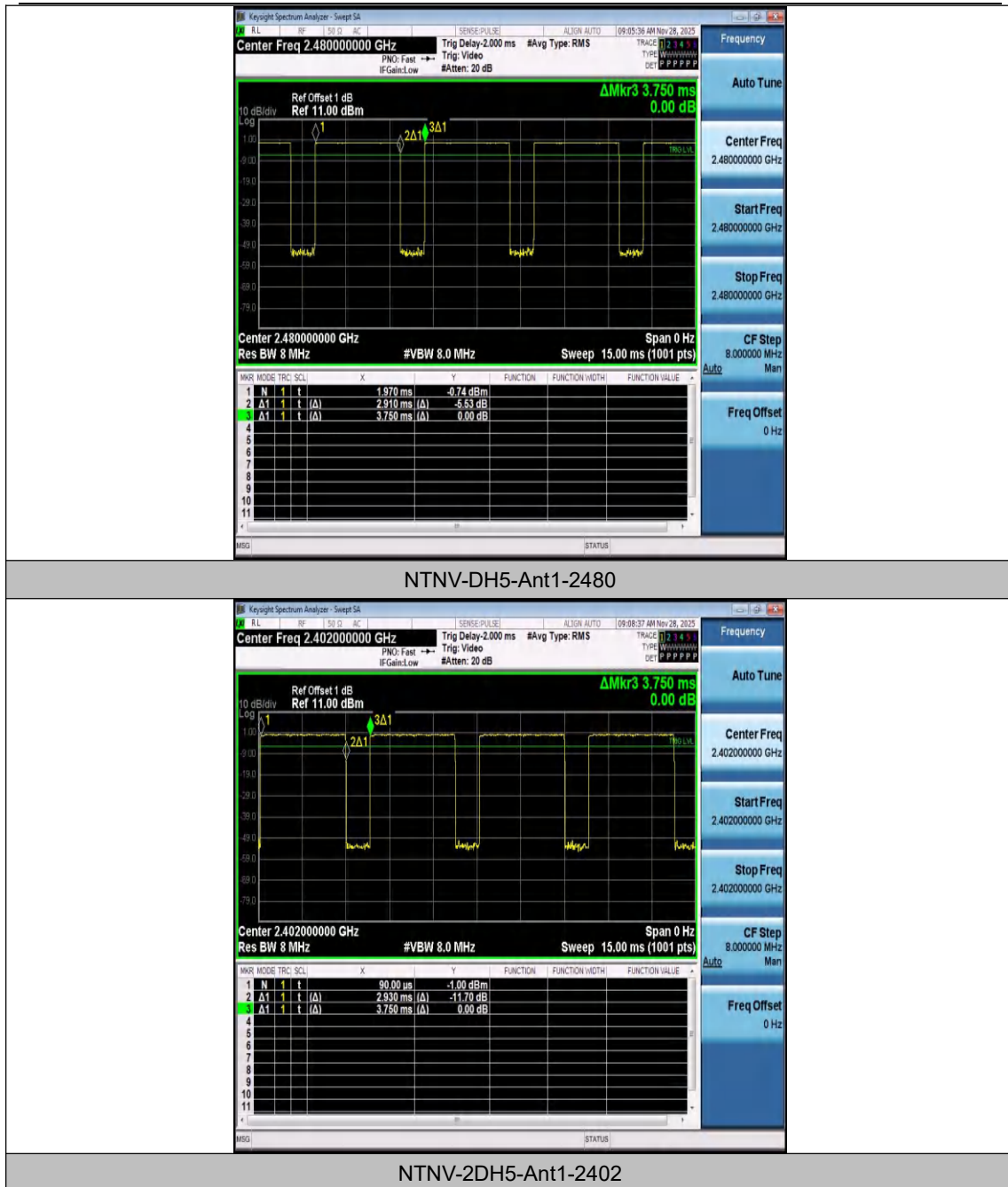
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.93	3.75	78.13	1.07
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.93	3.75	78.13	1.07
3DH5	Ant1	2480	2.93	3.75	78.13	1.07

Test Graphs

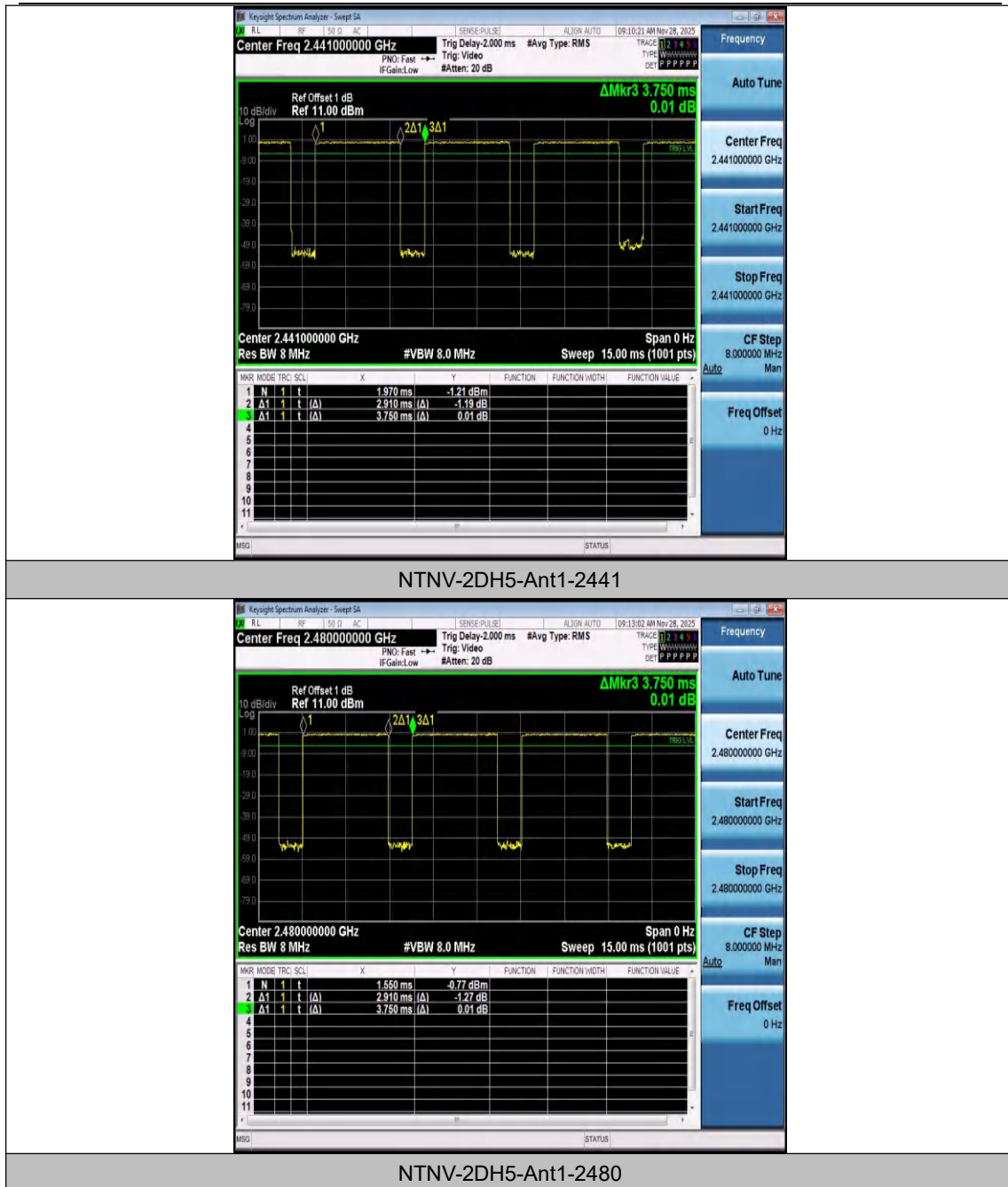


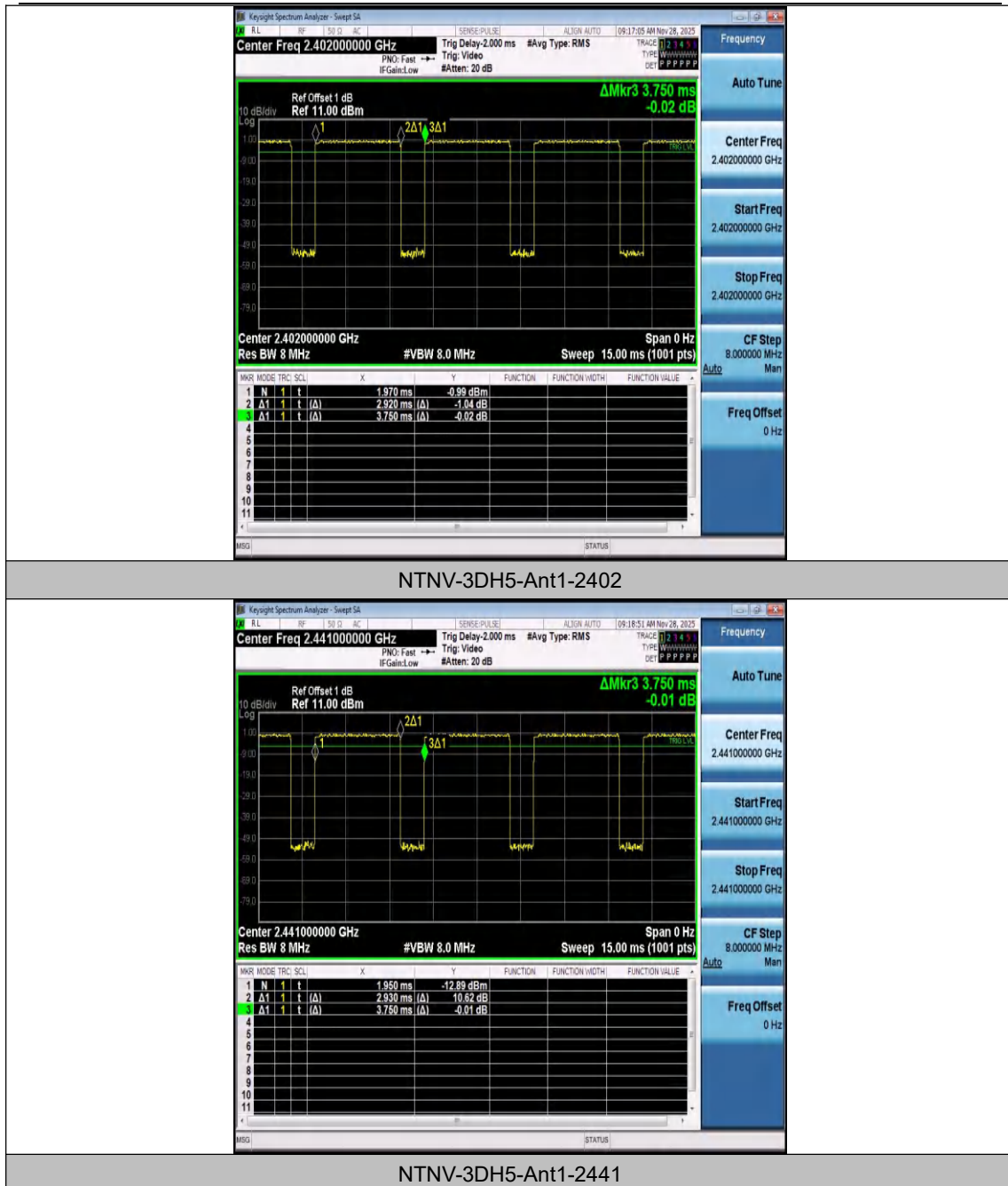


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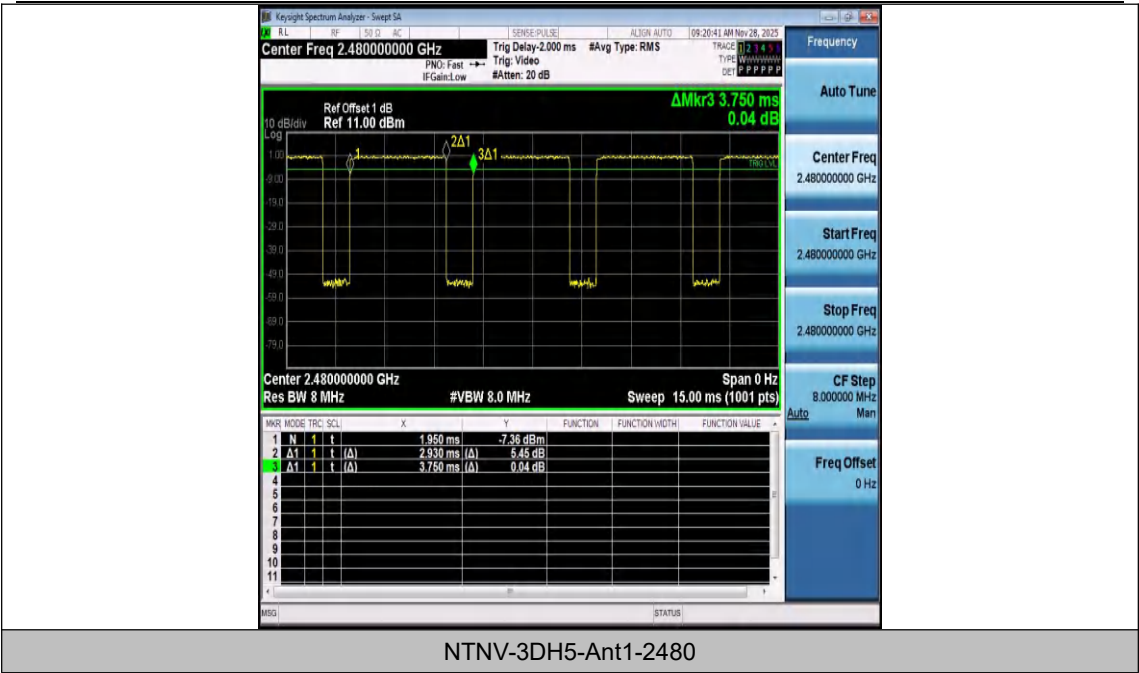




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NTNV-3DH5-Ant1-2480

---End---