

Appendix Test Data

Report No.:	1812C50133012501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-18	Finish Test Date:	2025-04-18
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26°C	Relative Humidity:	48%
Pressure:	101kPa		

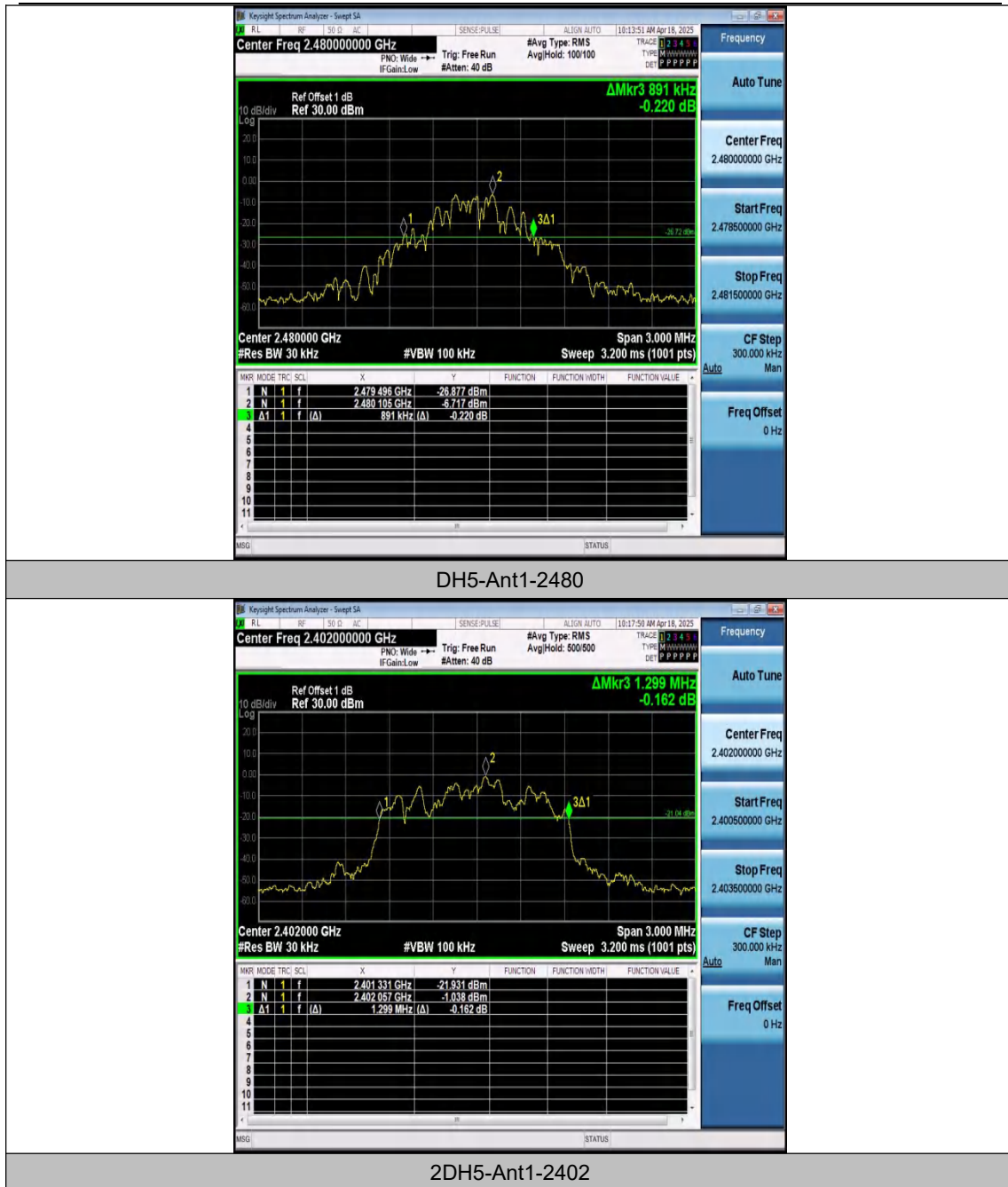
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.735	2401.622	2402.357	---	---
DH5	Ant1	2441	0.672	2440.667	2441.339	---	---
DH5	Ant1	2480	0.891	2479.496	2480.387	---	---
2DH5	Ant1	2402	1.299	2401.331	2402.630	---	---
2DH5	Ant1	2441	1.299	2440.331	2441.630	---	---
2DH5	Ant1	2480	1.299	2479.331	2480.630	---	---
3DH5	Ant1	2402	1.215	2401.409	2402.624	---	---
3DH5	Ant1	2441	1.188	2440.433	2441.621	---	---
3DH5	Ant1	2480	1.212	2479.409	2480.621	---	---

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	0.69755	2401.6541	2402.3517	---	---
DH5	Ant1	2441	0.73309	2440.6012	2441.3343	---	---
DH5	Ant1	2480	0.75328	2479.6101	2480.3634	---	---
2DH5	Ant1	2402	1.2143	2401.3737	2402.5880	---	---
2DH5	Ant1	2441	1.2148	2440.3725	2441.5873	---	---
2DH5	Ant1	2480	1.2144	2479.3727	2480.5871	---	---
3DH5	Ant1	2402	1.1120	2401.4335	2402.5455	---	---
3DH5	Ant1	2441	1.1133	2440.4312	2441.5445	---	---
3DH5	Ant1	2480	1.1207	2479.4317	2480.5524	---	---



Test Graphs



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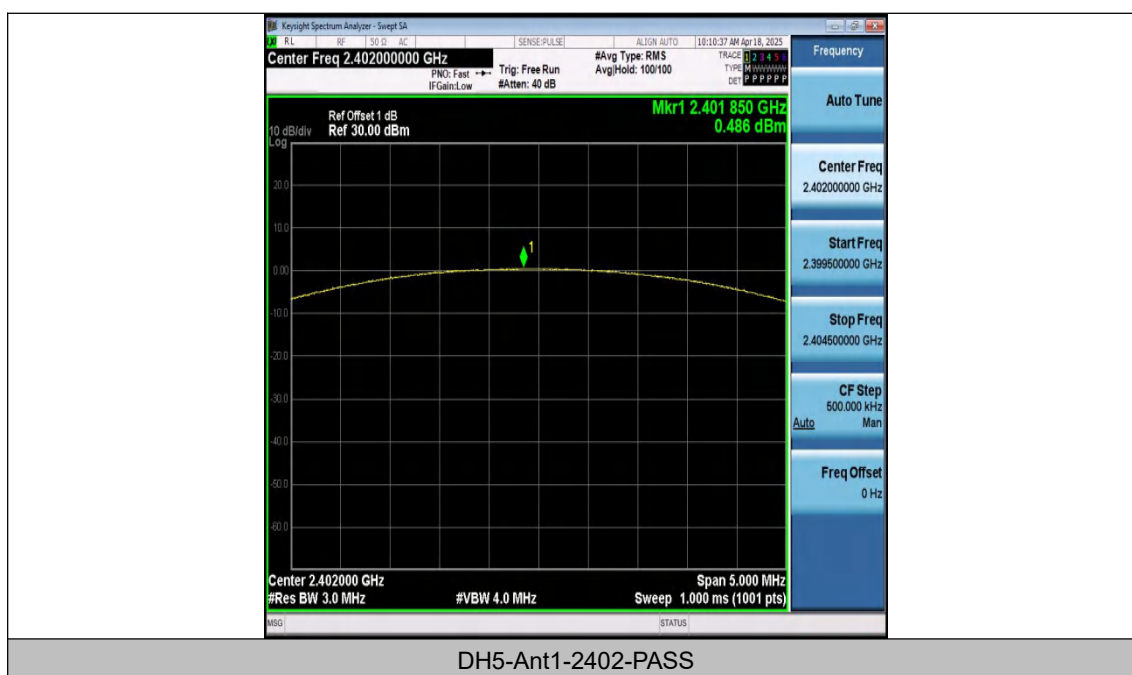
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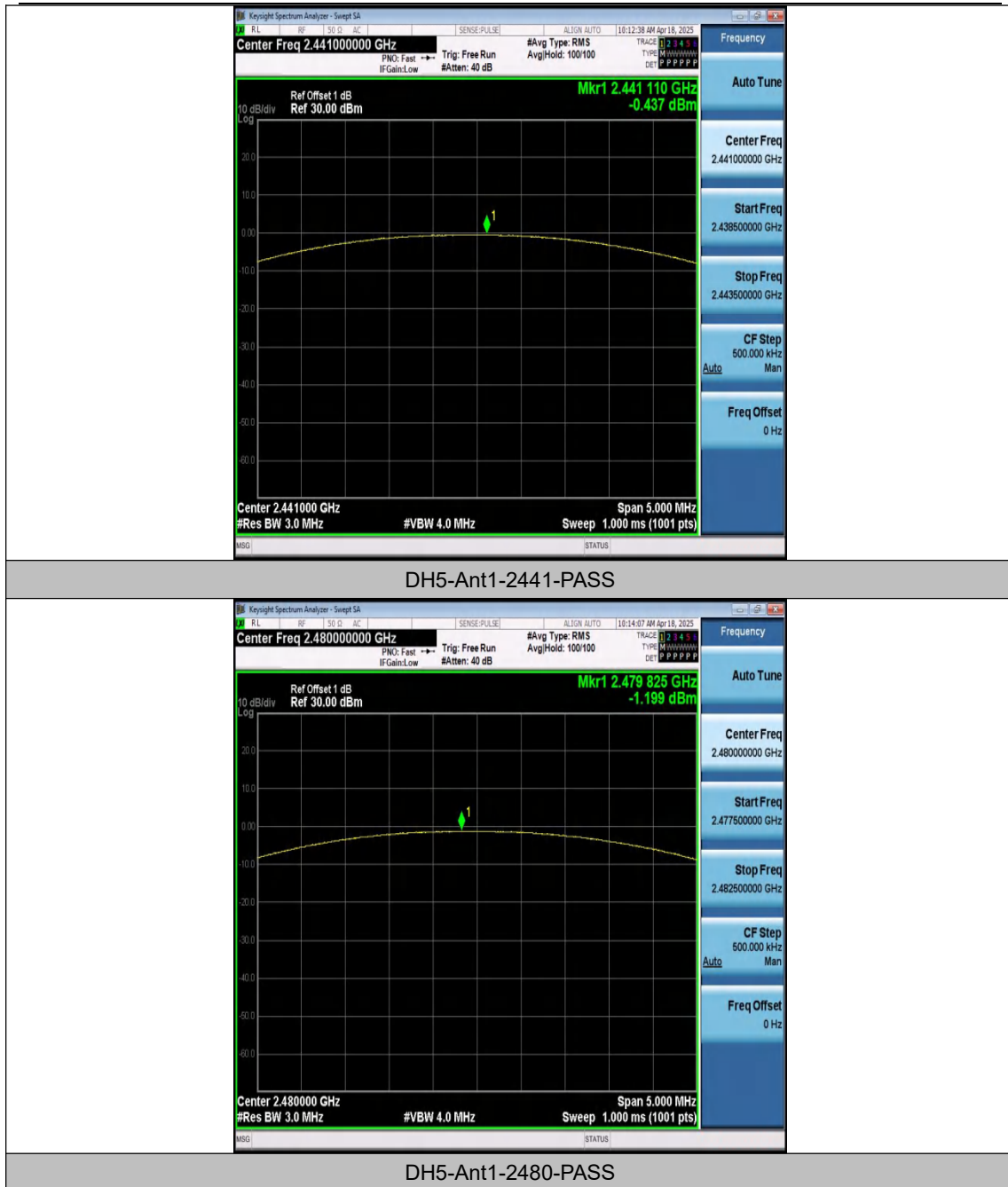
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.49	≤20.97	PASS
DH5	Ant1	2441	-0.44	≤20.97	PASS
DH5	Ant1	2480	-1.20	≤20.97	PASS
2DH5	Ant1	2402	3.34	≤20.97	PASS
2DH5	Ant1	2441	2.27	≤20.97	PASS
2DH5	Ant1	2480	1.70	≤20.97	PASS
3DH5	Ant1	2402	3.50	≤20.97	PASS
3DH5	Ant1	2441	2.67	≤20.97	PASS
3DH5	Ant1	2480	1.97	≤20.97	PASS

Test Graphs



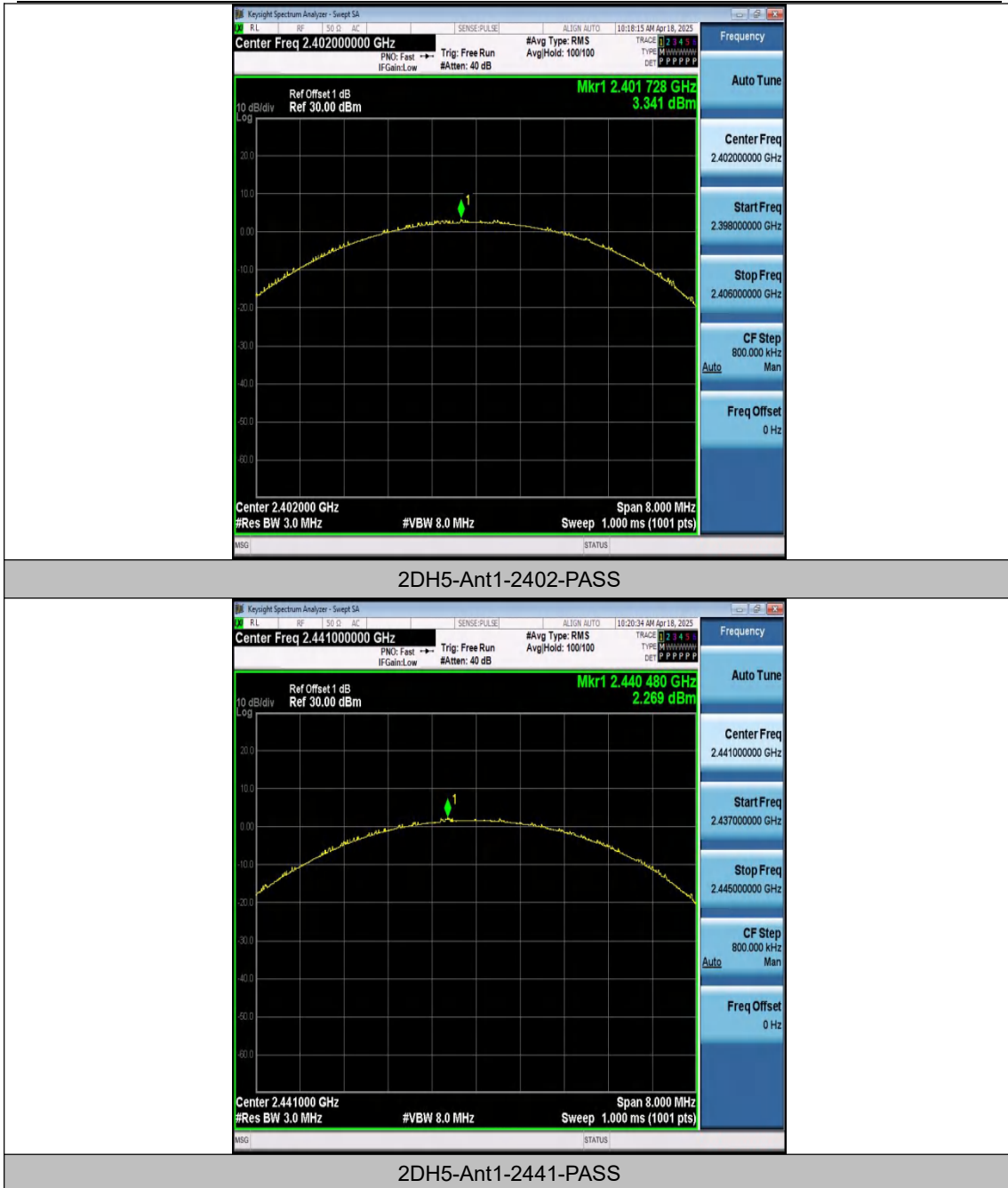


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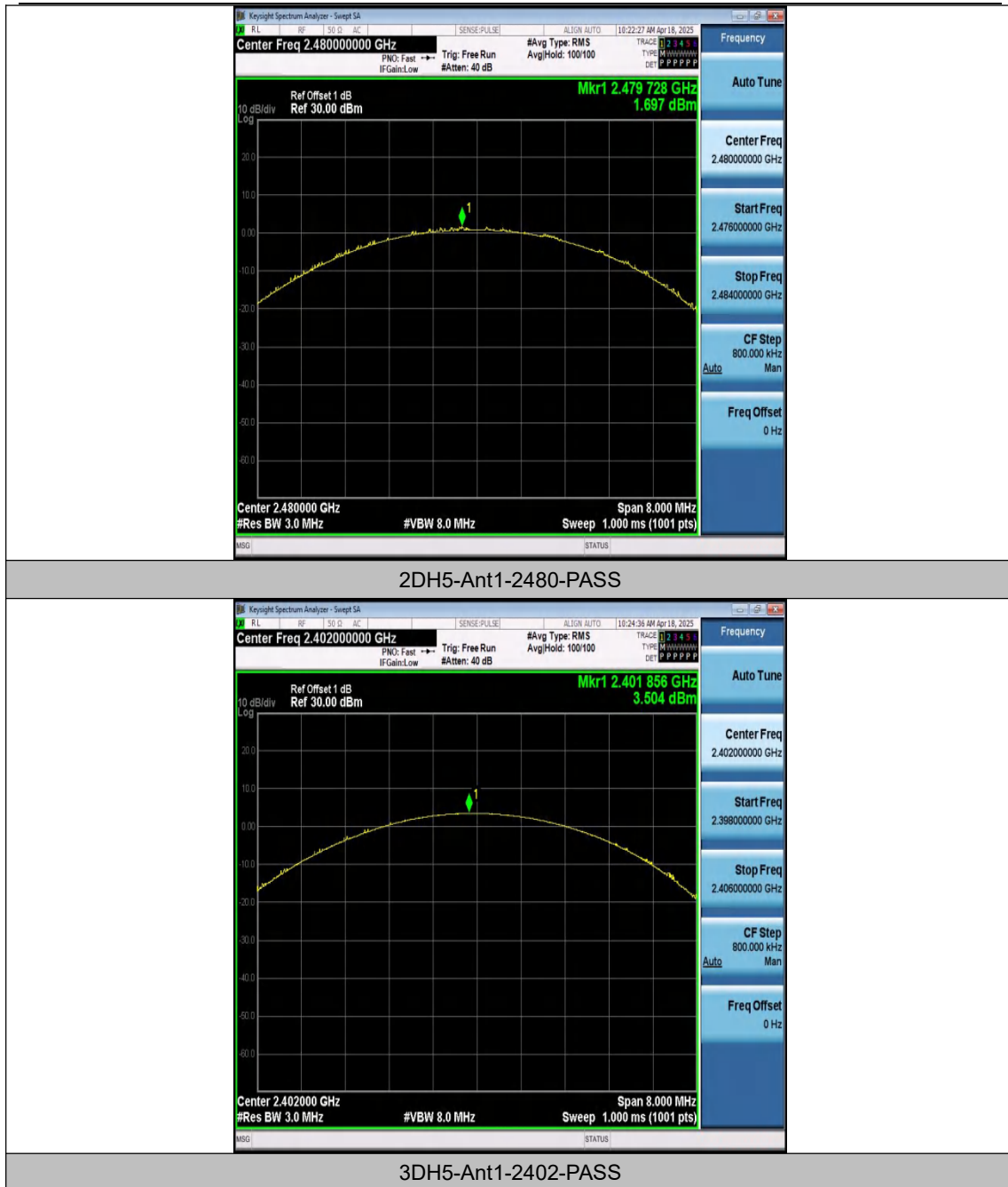
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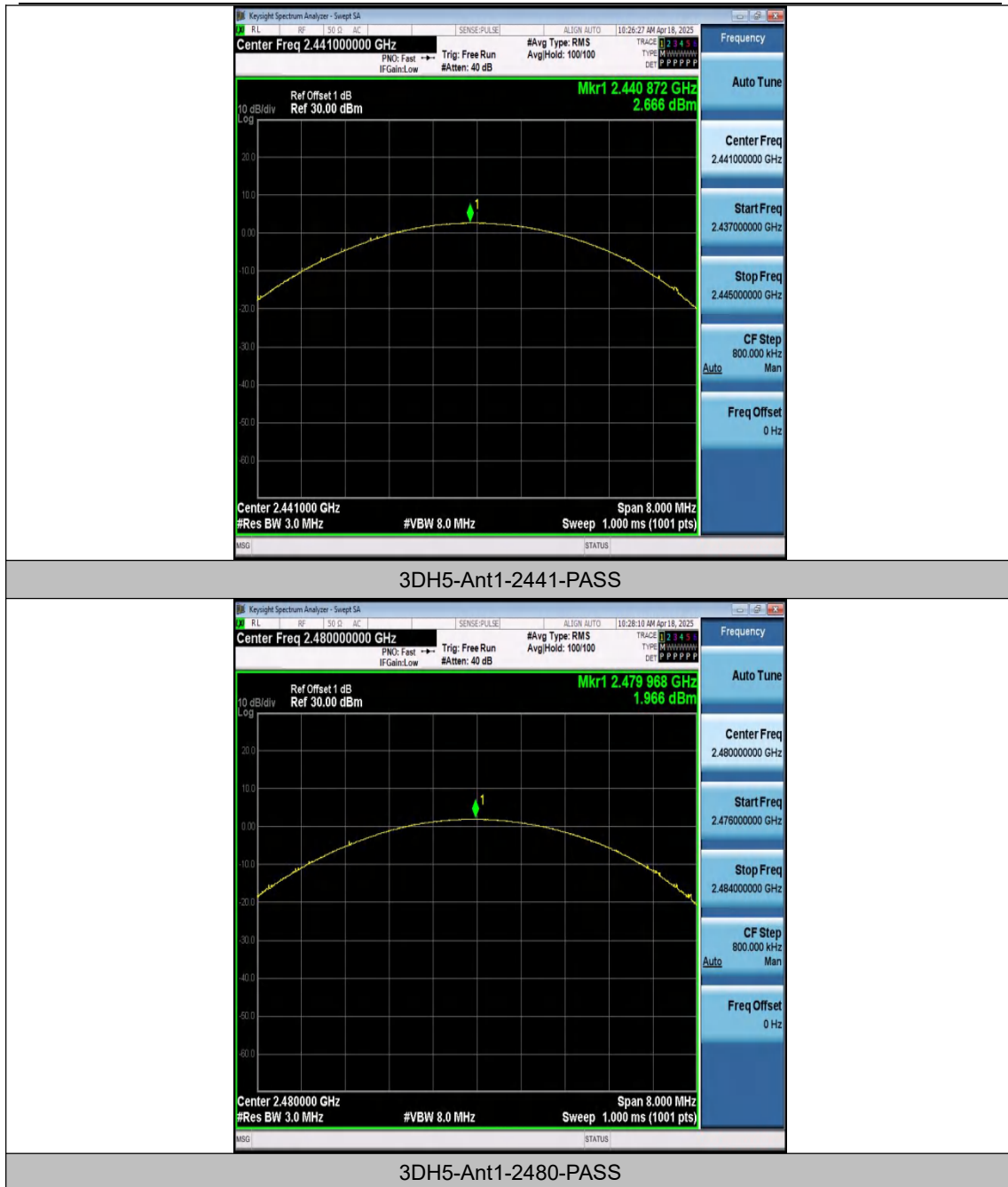


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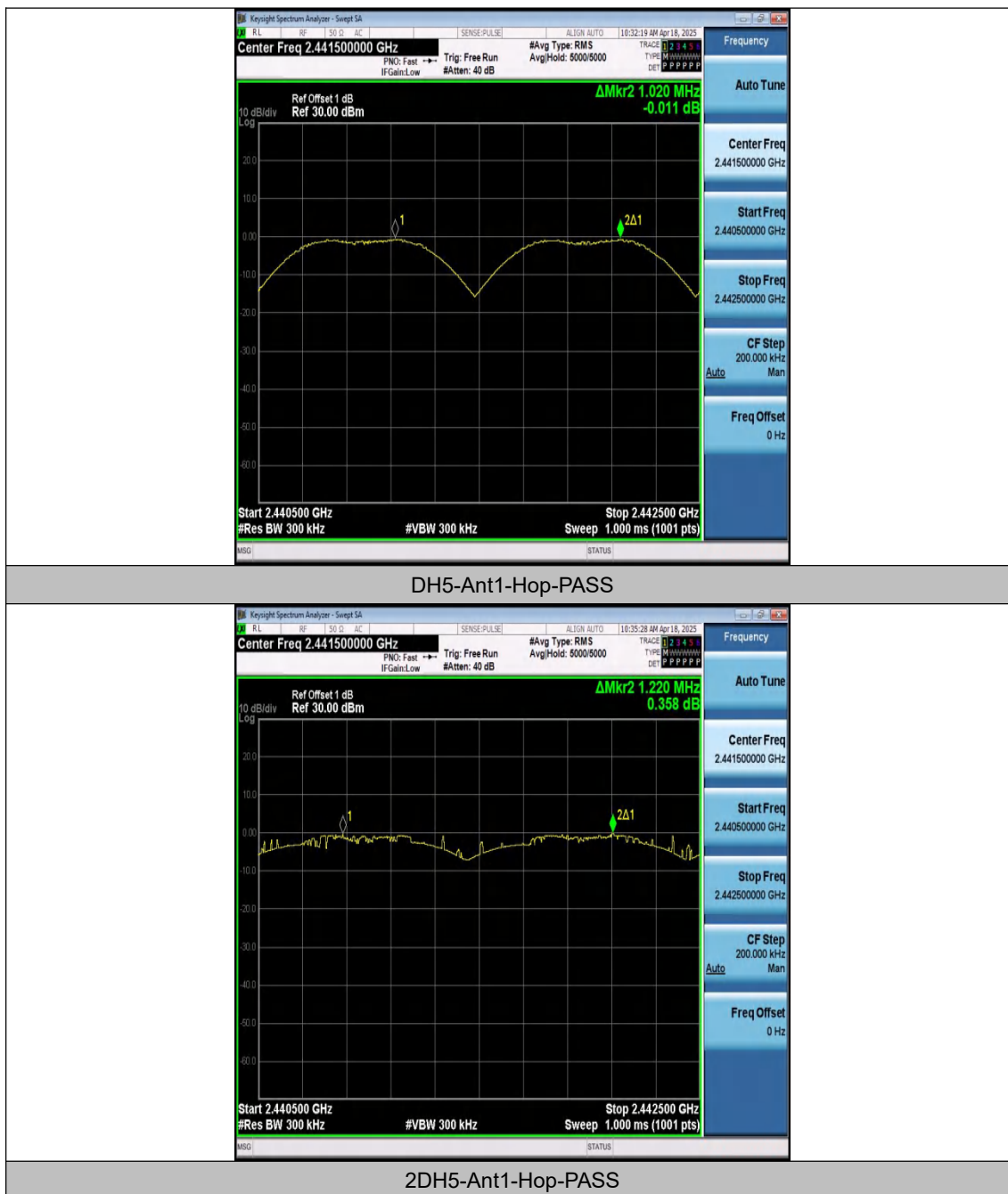
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.594	PASS
2DH5	Ant1	Hop	1.22	≥ 0.866	PASS
3DH5	Ant1	Hop	0.964	≥ 0.810	PASS



Test Graphs



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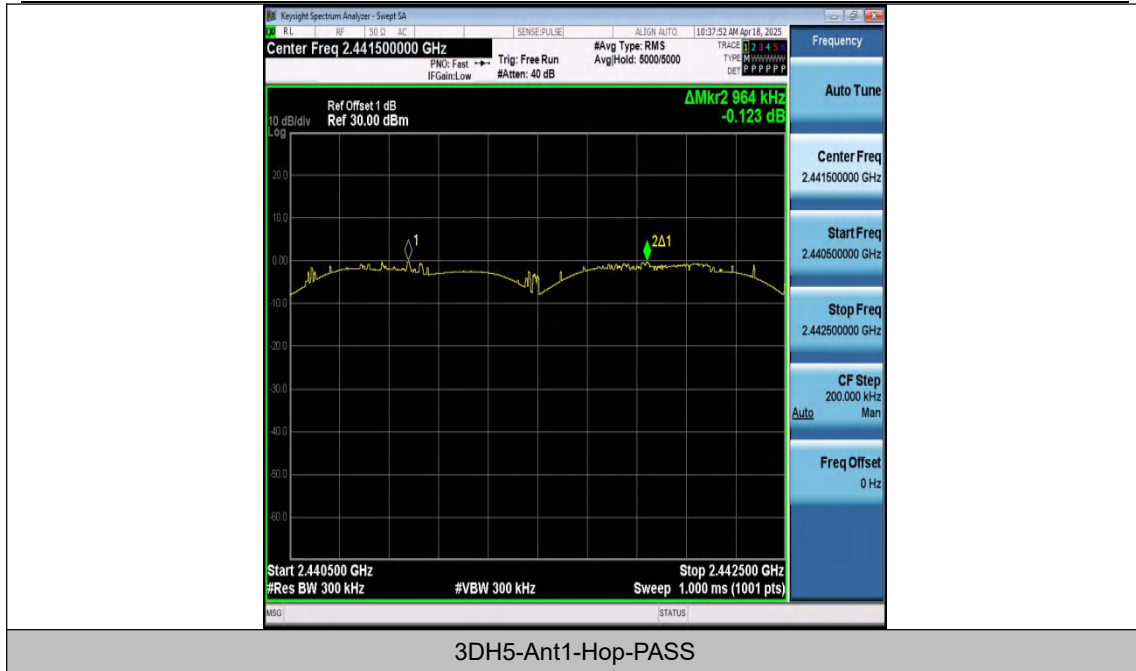
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Appendix E: Dwell Time

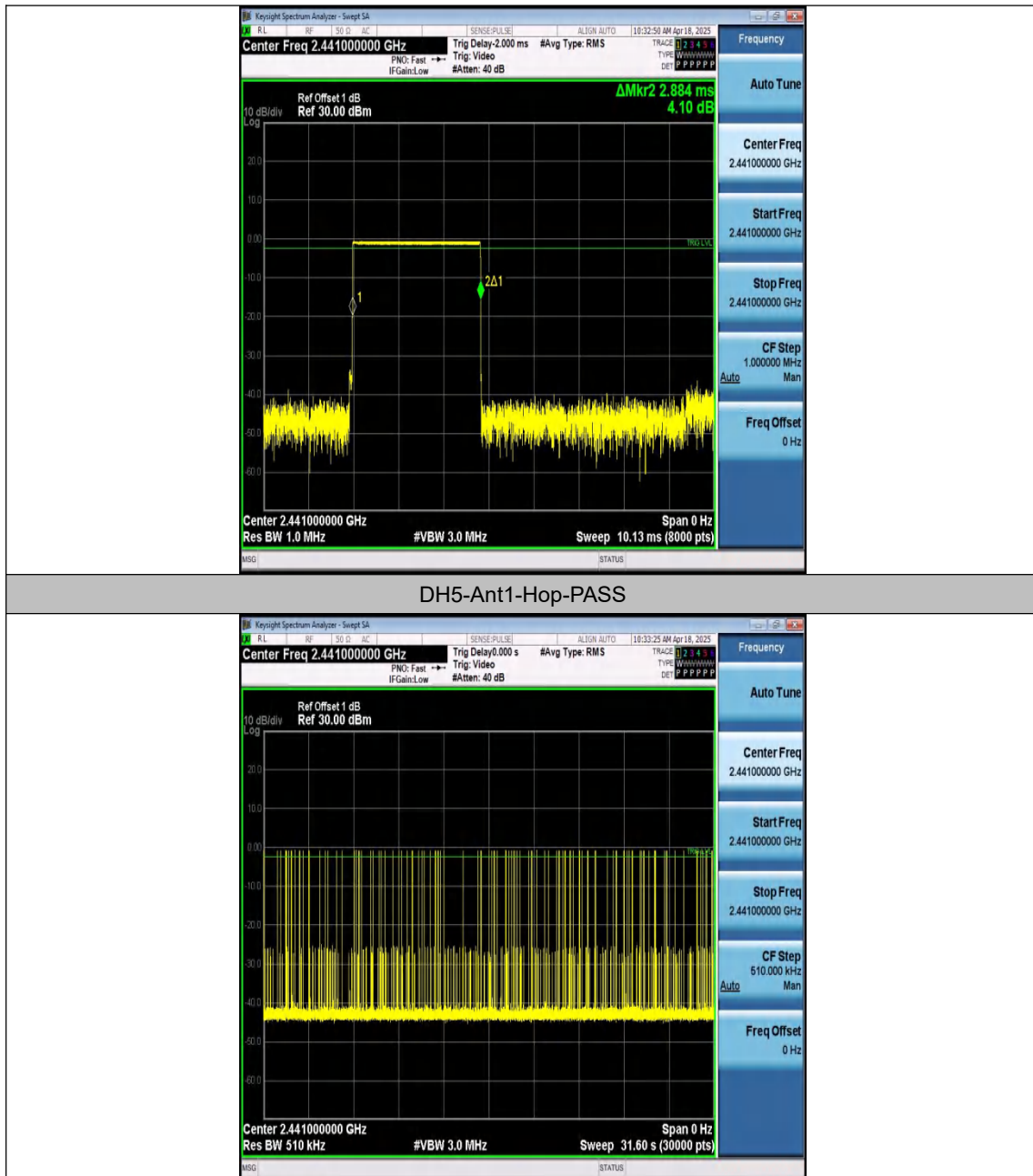
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	107	0.309	≤0.4	PASS
2DH5	Ant1	Hop	2.889	104	0.3	≤0.4	PASS
3DH5	Ant1	Hop	2.891	93	0.269	≤0.4	PASS

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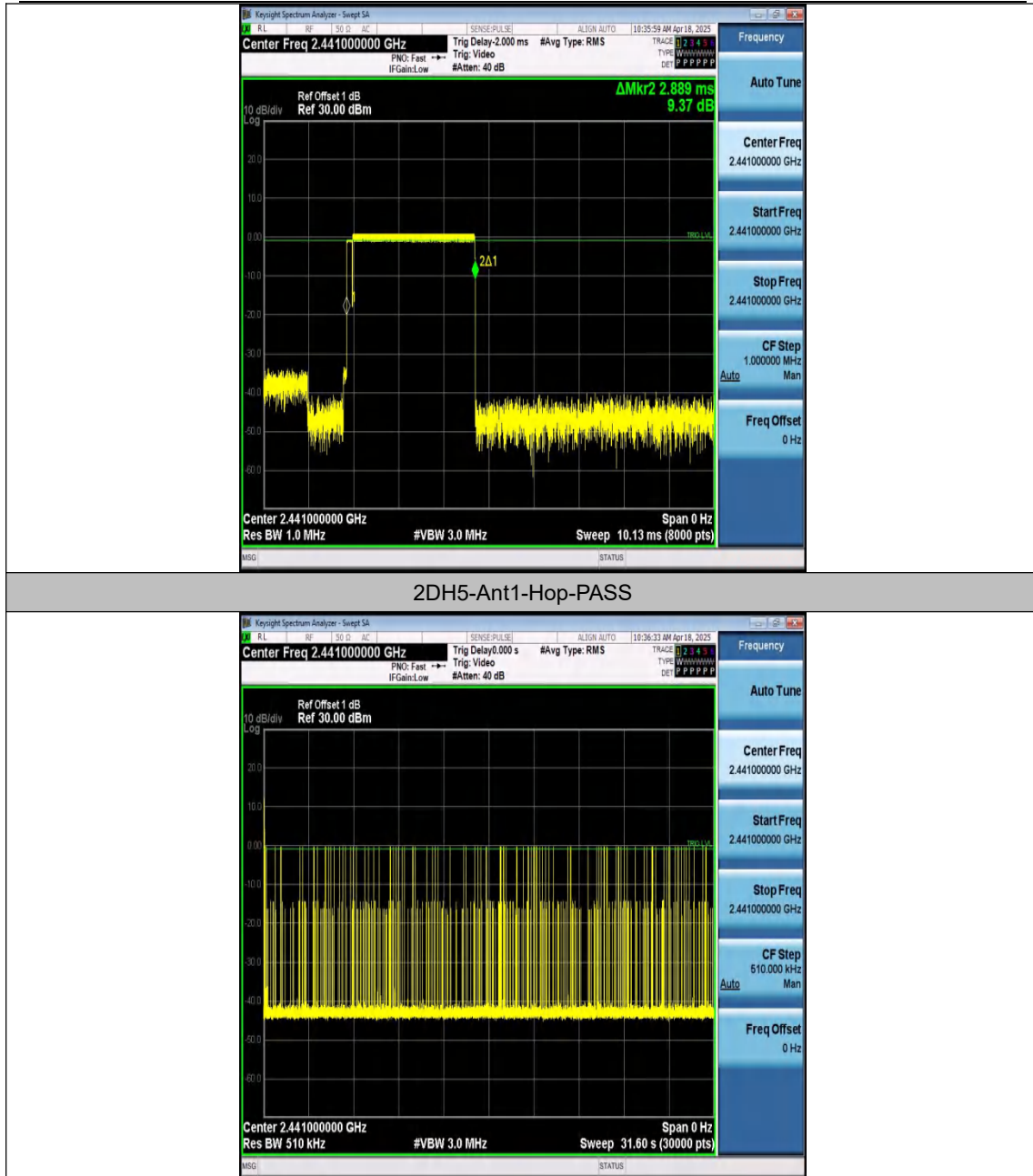
Test Graphs



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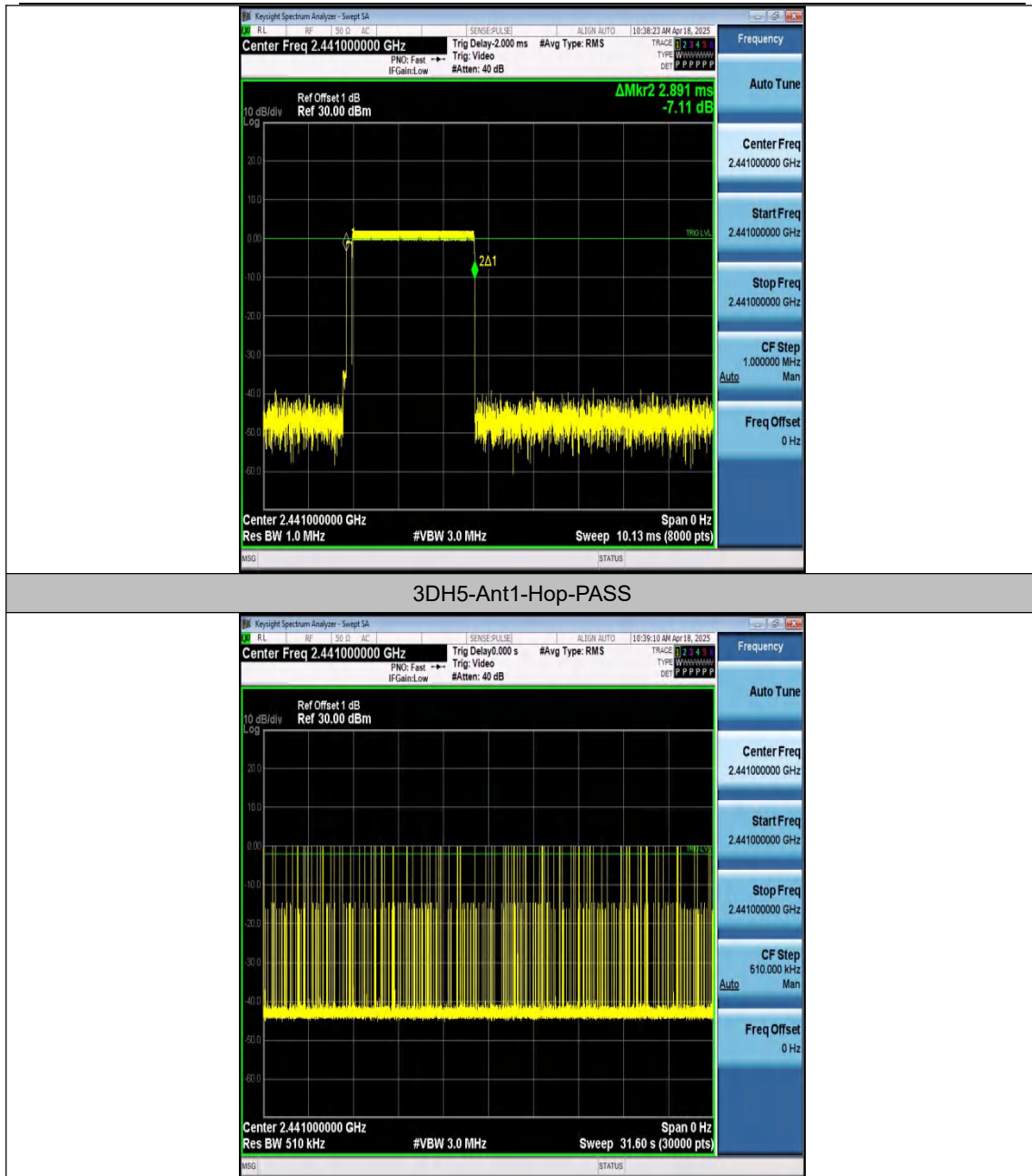


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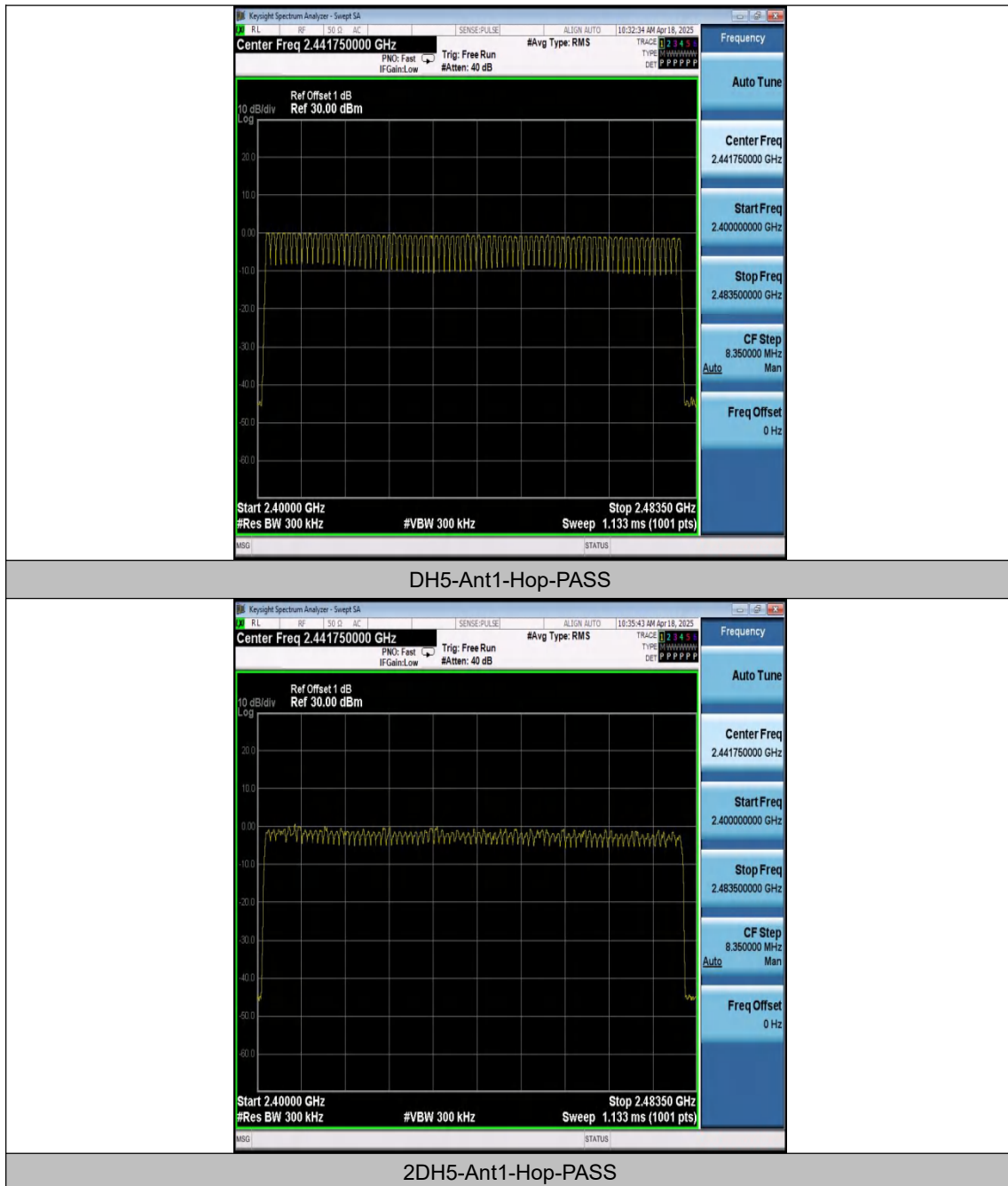
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Appendix F: Number of Hopping Channel

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

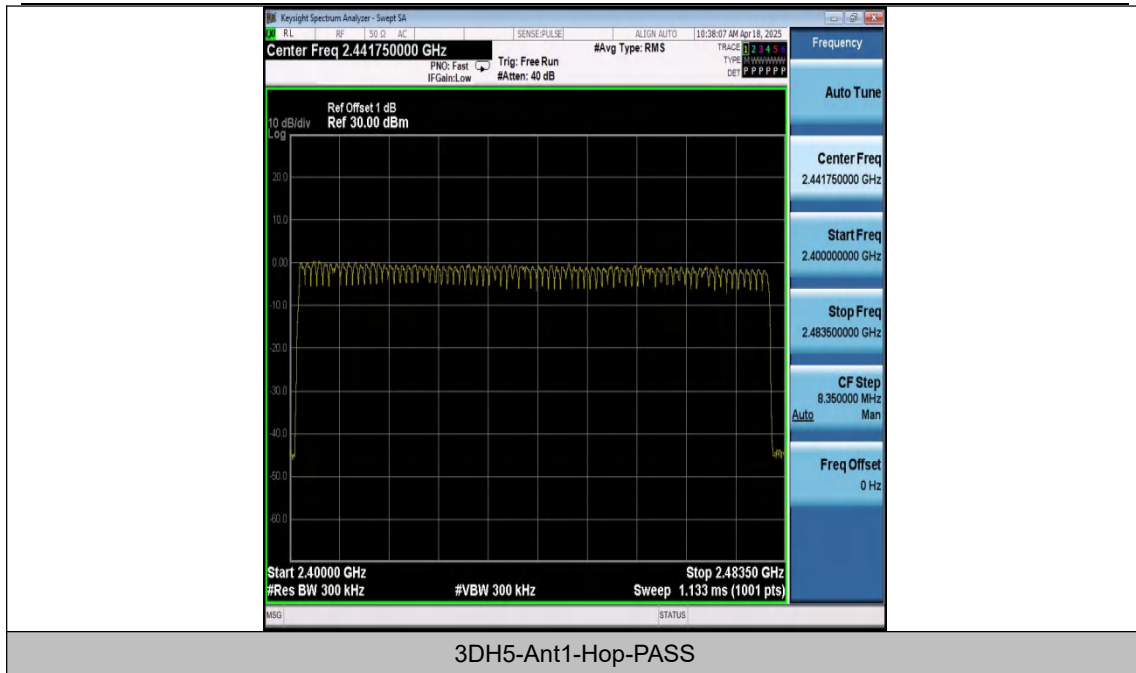
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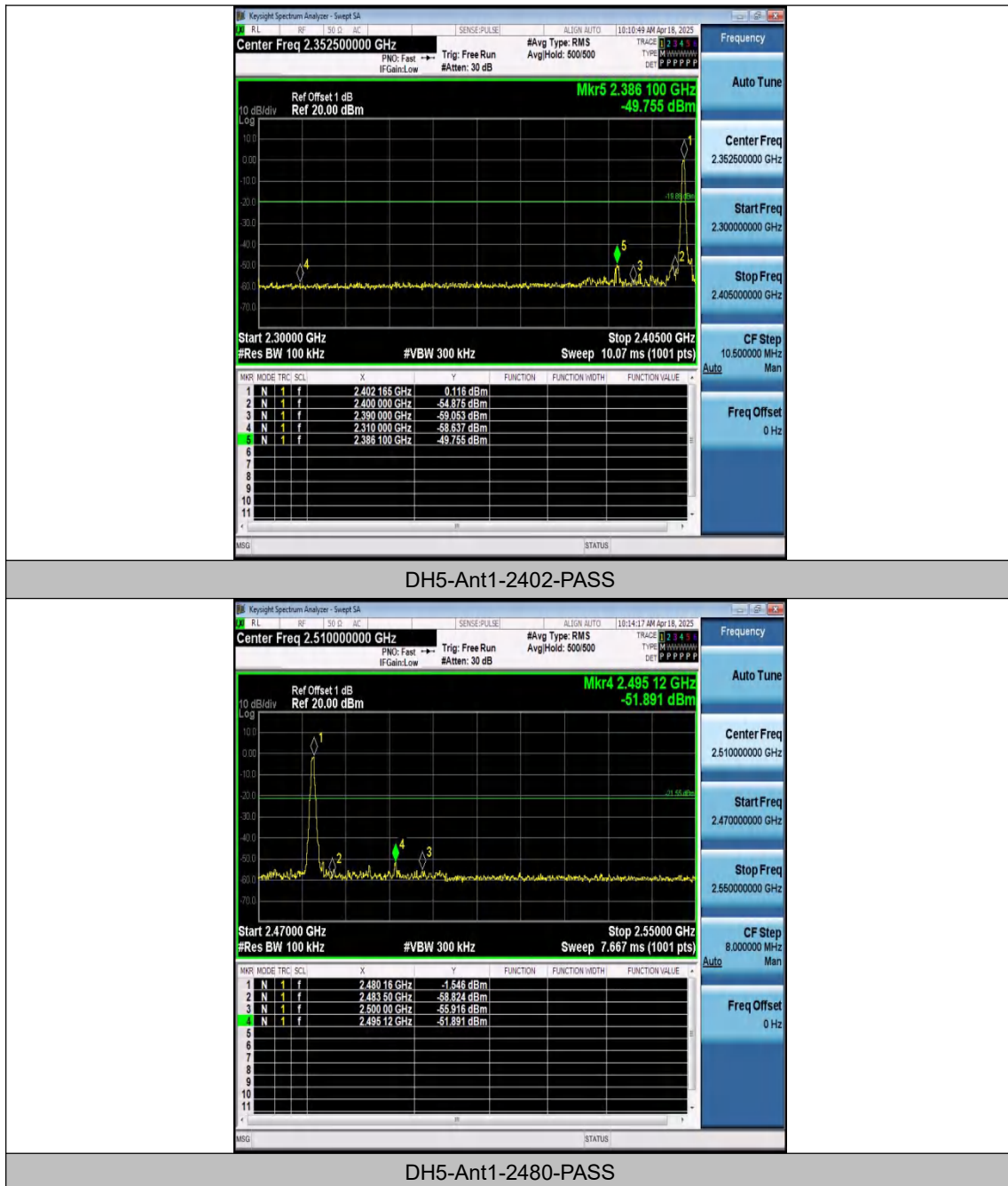
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.12	-49.76	≤-19.88	PASS
DH5	Ant1	High	2480	-1.55	-51.89	≤-21.55	PASS
DH5	Ant1	Low	Hop_2402	-3.86	-49.68	≤-23.86	PASS
DH5	Ant1	High	Hop_2480	-1.92	-50.47	≤-21.92	PASS
2DH5	Ant1	Low	2402	0.10	-50.29	≤-19.9	PASS
2DH5	Ant1	High	2480	-1.67	-51.66	≤-21.67	PASS
2DH5	Ant1	Low	Hop_2402	-1.54	-50.17	≤-21.54	PASS
2DH5	Ant1	High	Hop_2480	-1.63	-53.15	≤-21.63	PASS
3DH5	Ant1	Low	2402	0.41	-49.9	≤-19.6	PASS
3DH5	Ant1	High	2480	-1.45	-51.32	≤-21.45	PASS
3DH5	Ant1	Low	Hop_2402	-1.47	-50.15	≤-21.47	PASS
3DH5	Ant1	High	Hop_2480	-2.01	-51.63	≤-22.01	PASS



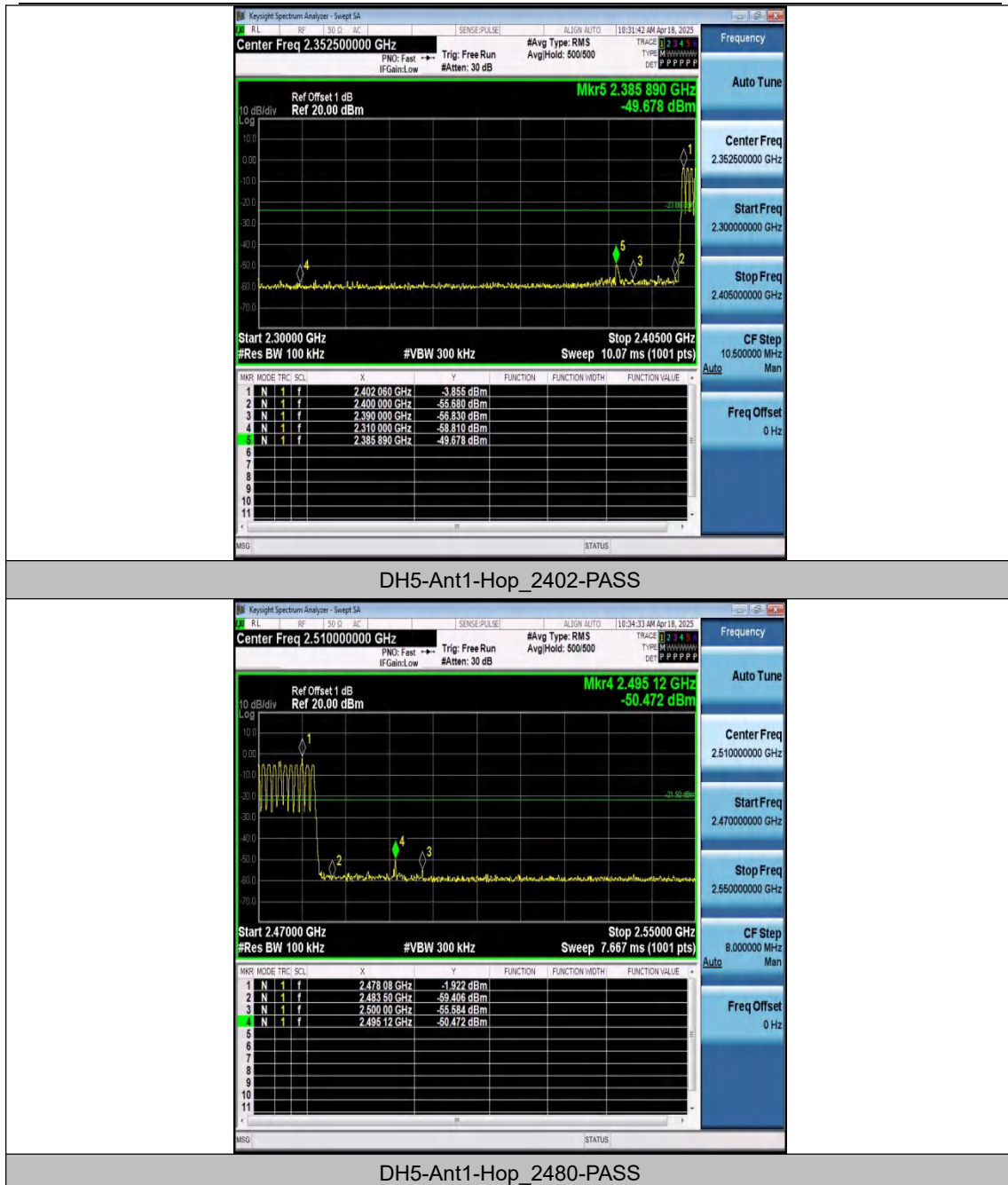
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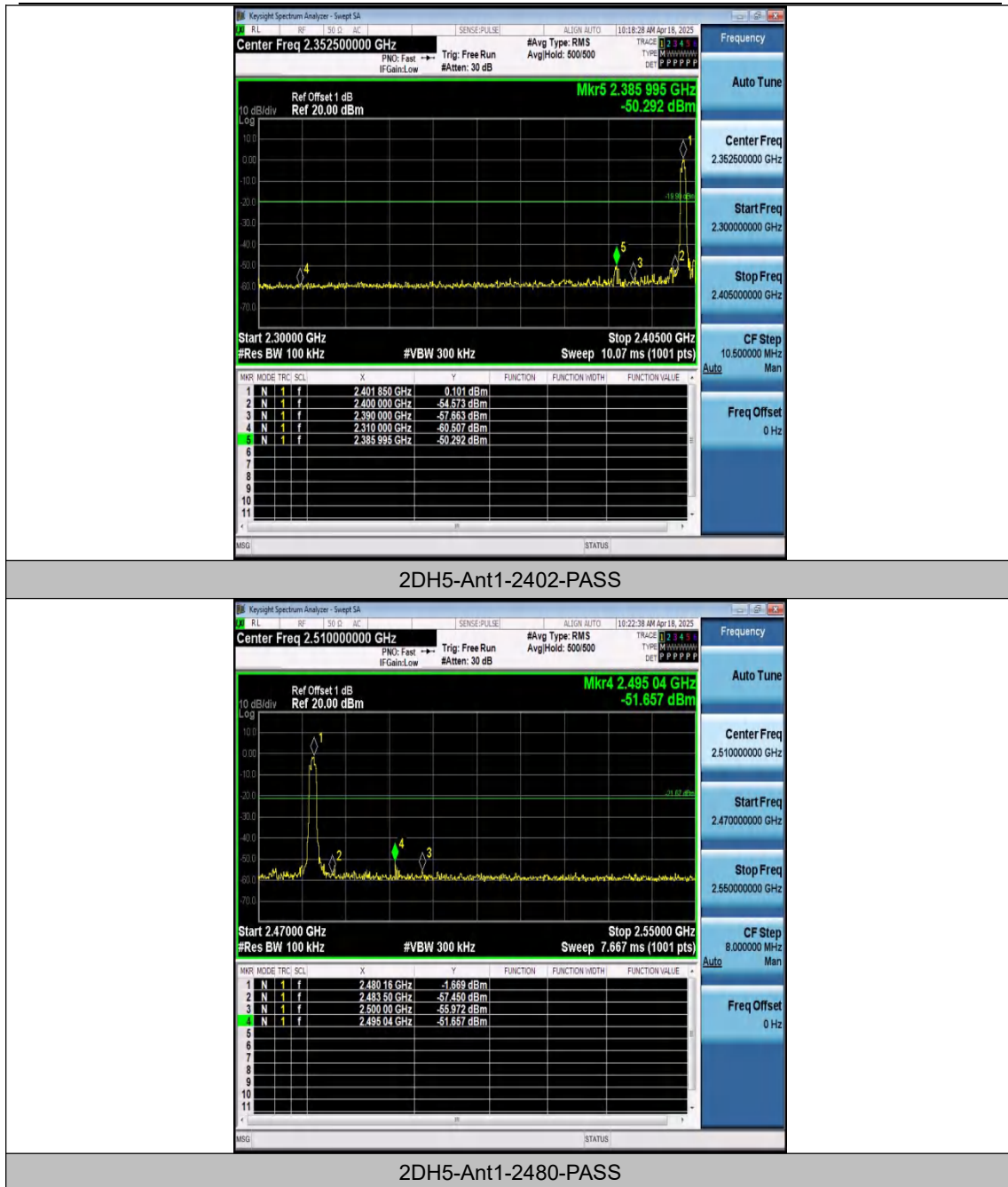


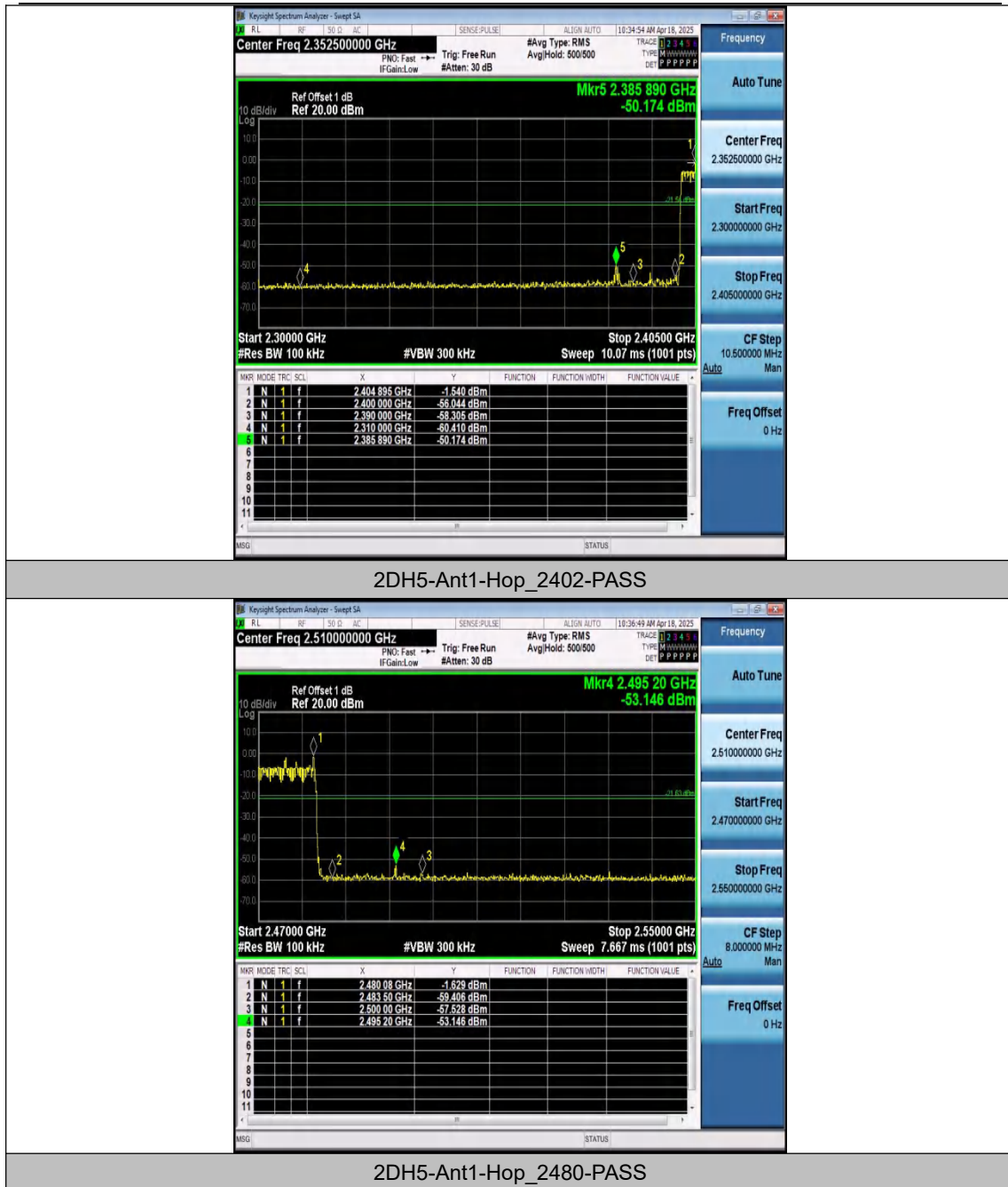
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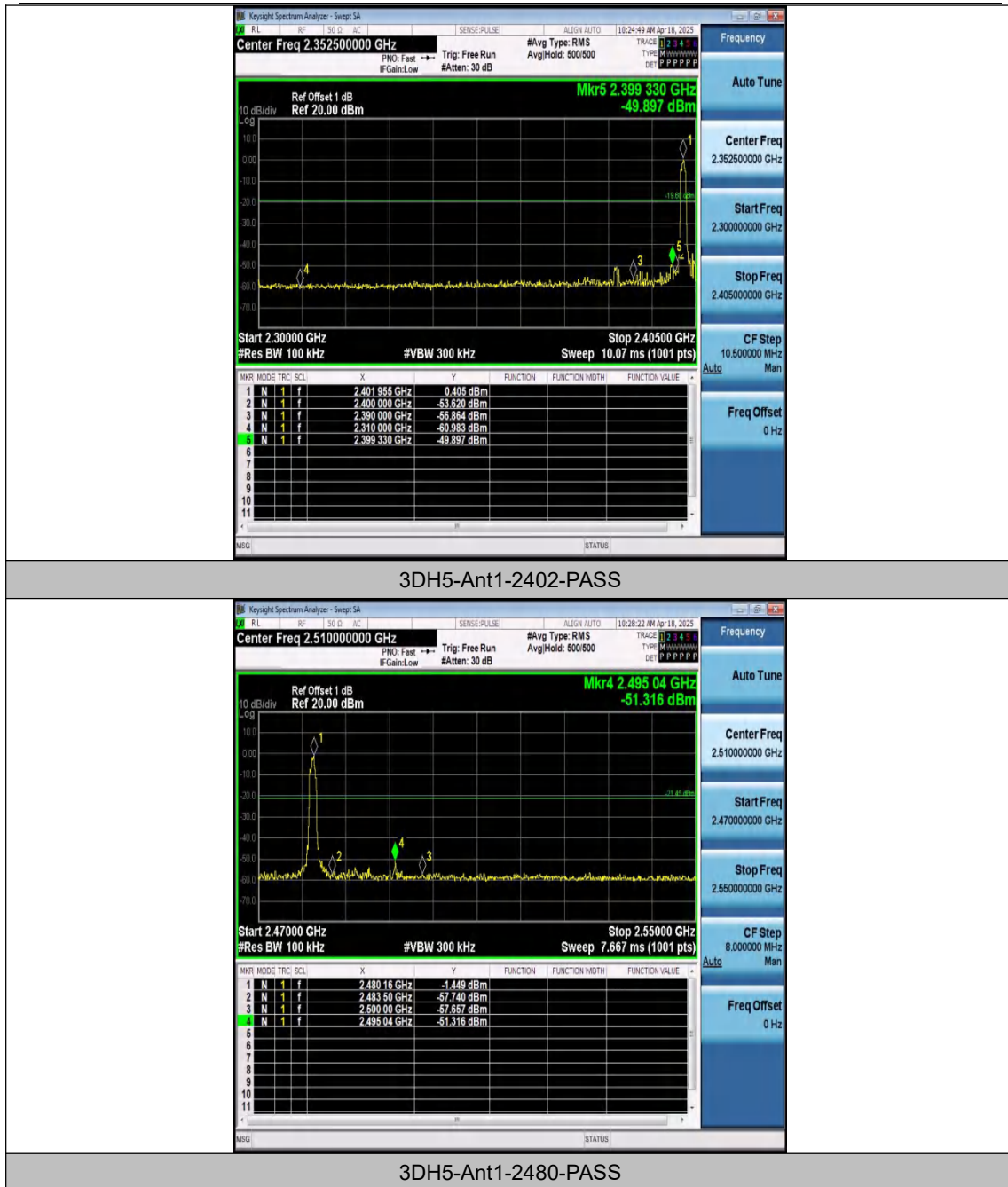
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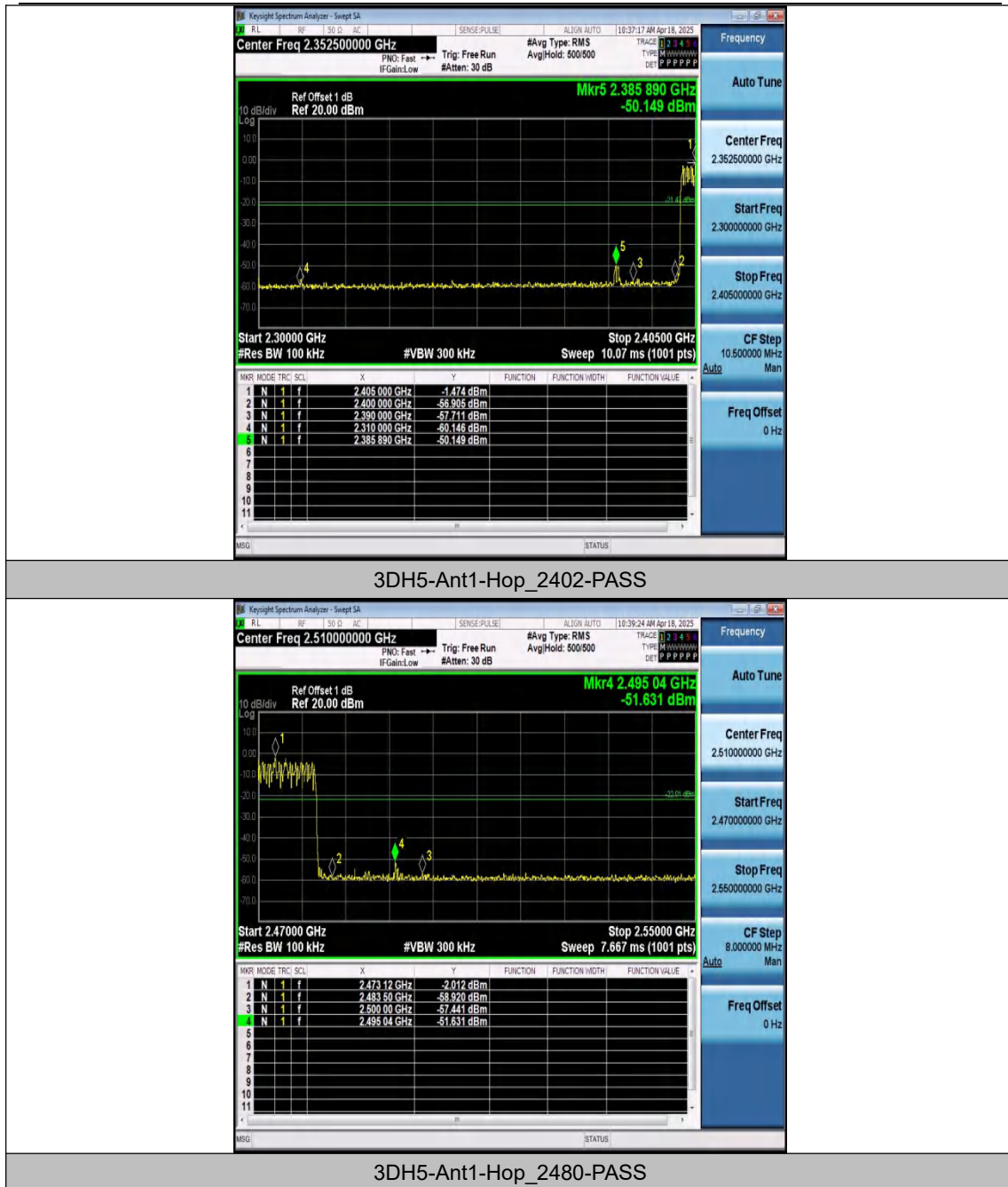
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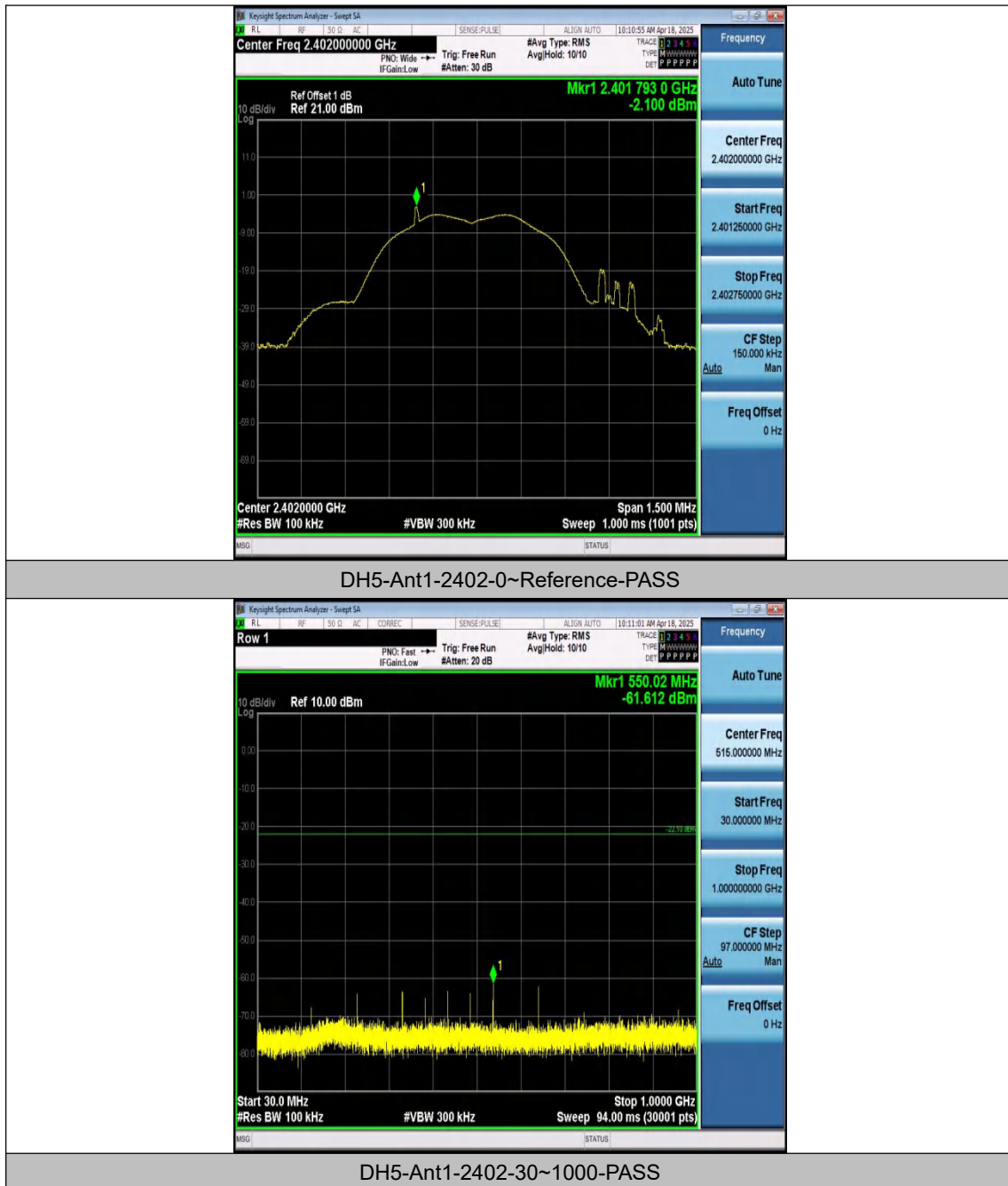
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.10	-2.10	---	PASS
DH5	Ant1	2402	30~1000	-2.10	-61.61	≤-22.1	PASS
DH5	Ant1	2402	1000~26500	-2.10	-53.18	≤-22.1	PASS
DH5	Ant1	2441	0~Reference	-2.14	-2.14	---	PASS
DH5	Ant1	2441	30~1000	-2.14	-61.59	≤-22.14	PASS
DH5	Ant1	2441	1000~26500	-2.14	-53.54	≤-22.14	PASS
DH5	Ant1	2480	0~Reference	-5.67	-5.67	---	PASS
DH5	Ant1	2480	30~1000	-5.67	-61.3	≤-25.67	PASS
DH5	Ant1	2480	1000~26500	-5.67	-52.77	≤-25.67	PASS
2DH5	Ant1	2402	0~Reference	-0.83	-0.83	---	PASS
2DH5	Ant1	2402	30~1000	-0.83	-61.42	≤-20.83	PASS
2DH5	Ant1	2402	1000~26500	-0.83	-53.46	≤-20.83	PASS
2DH5	Ant1	2441	0~Reference	-4.86	-4.86	---	PASS
2DH5	Ant1	2441	30~1000	-4.86	-61.11	≤-24.86	PASS
2DH5	Ant1	2441	1000~26500	-4.86	-53.47	≤-24.86	PASS
2DH5	Ant1	2480	0~Reference	-5.81	-5.81	---	PASS
2DH5	Ant1	2480	30~1000	-5.81	-61.62	≤-25.81	PASS
2DH5	Ant1	2480	1000~26500	-5.81	-52.94	≤-25.81	PASS
3DH5	Ant1	2402	0~Reference	-2.21	-2.21	---	PASS
3DH5	Ant1	2402	30~1000	-2.21	-61.53	≤-22.21	PASS
3DH5	Ant1	2402	1000~26500	-2.21	-52.28	≤-22.21	PASS
3DH5	Ant1	2441	0~Reference	-4.13	-4.13	---	PASS
3DH5	Ant1	2441	30~1000	-4.13	-61.1	≤-24.13	PASS
3DH5	Ant1	2441	1000~26500	-4.13	-53.16	≤-24.13	PASS
3DH5	Ant1	2480	0~Reference	-2.61	-2.61	---	PASS
3DH5	Ant1	2480	30~1000	-2.61	-61.78	≤-22.61	PASS
3DH5	Ant1	2480	1000~26500	-2.61	-53.58	≤-22.61	PASS



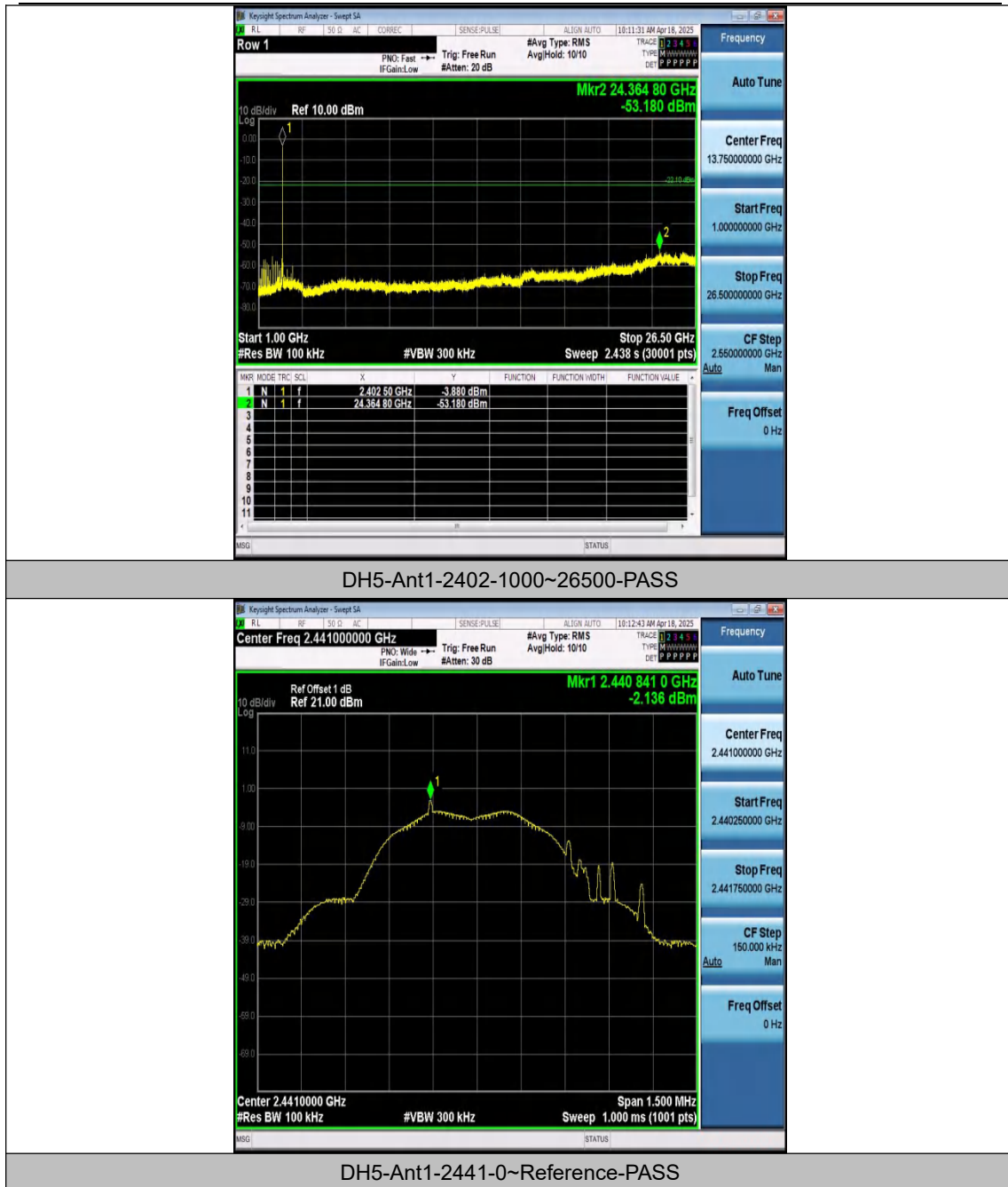
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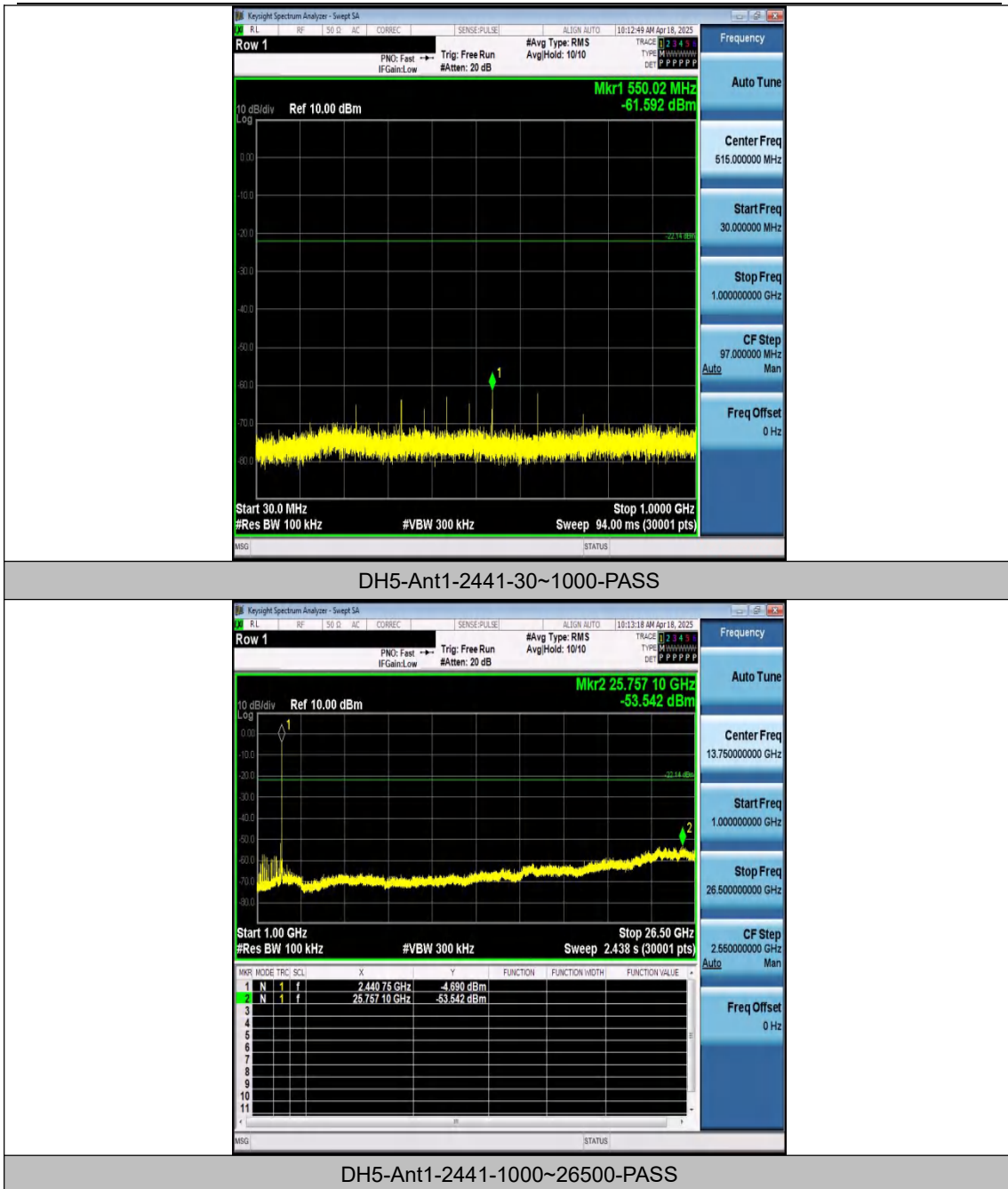
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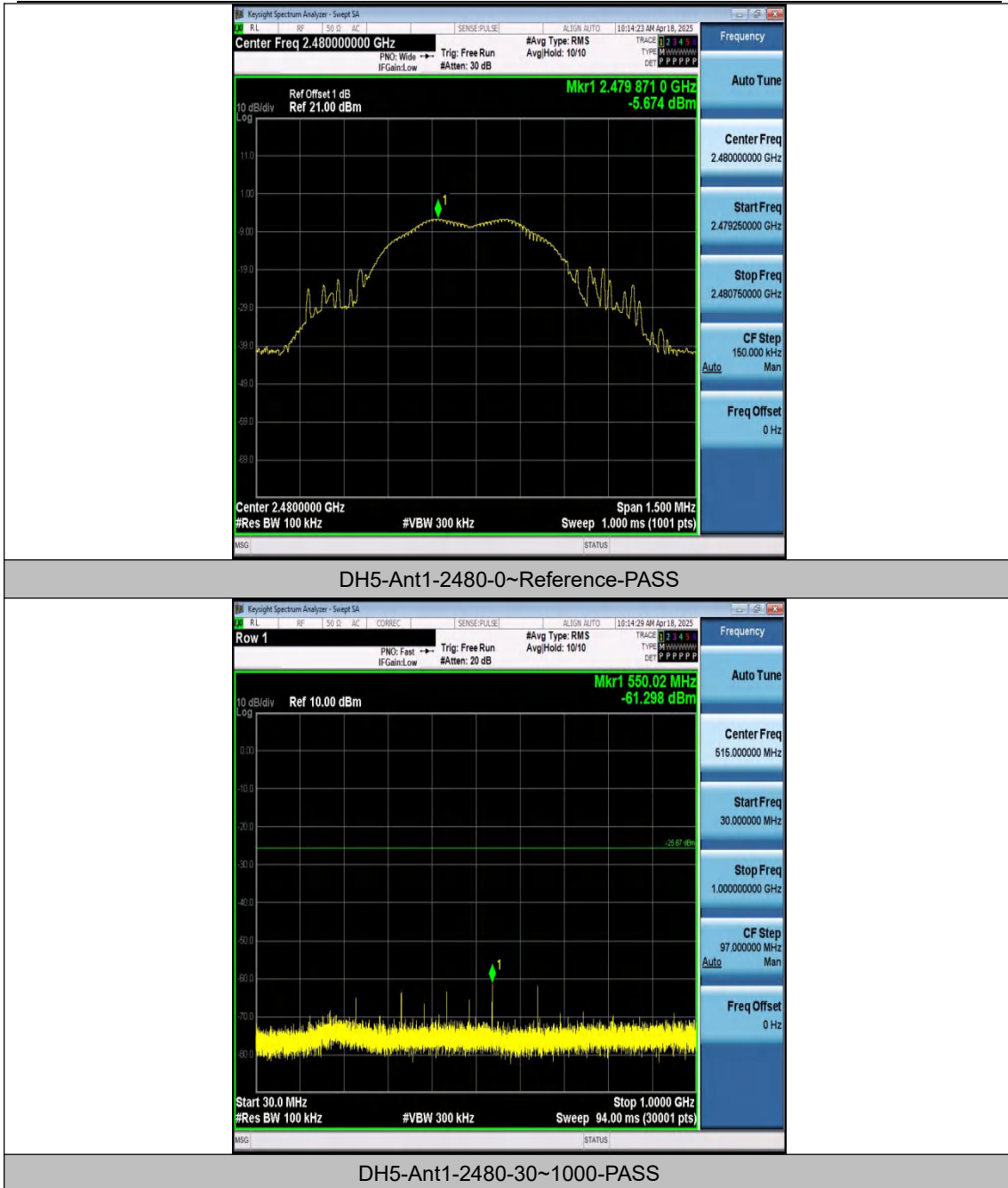


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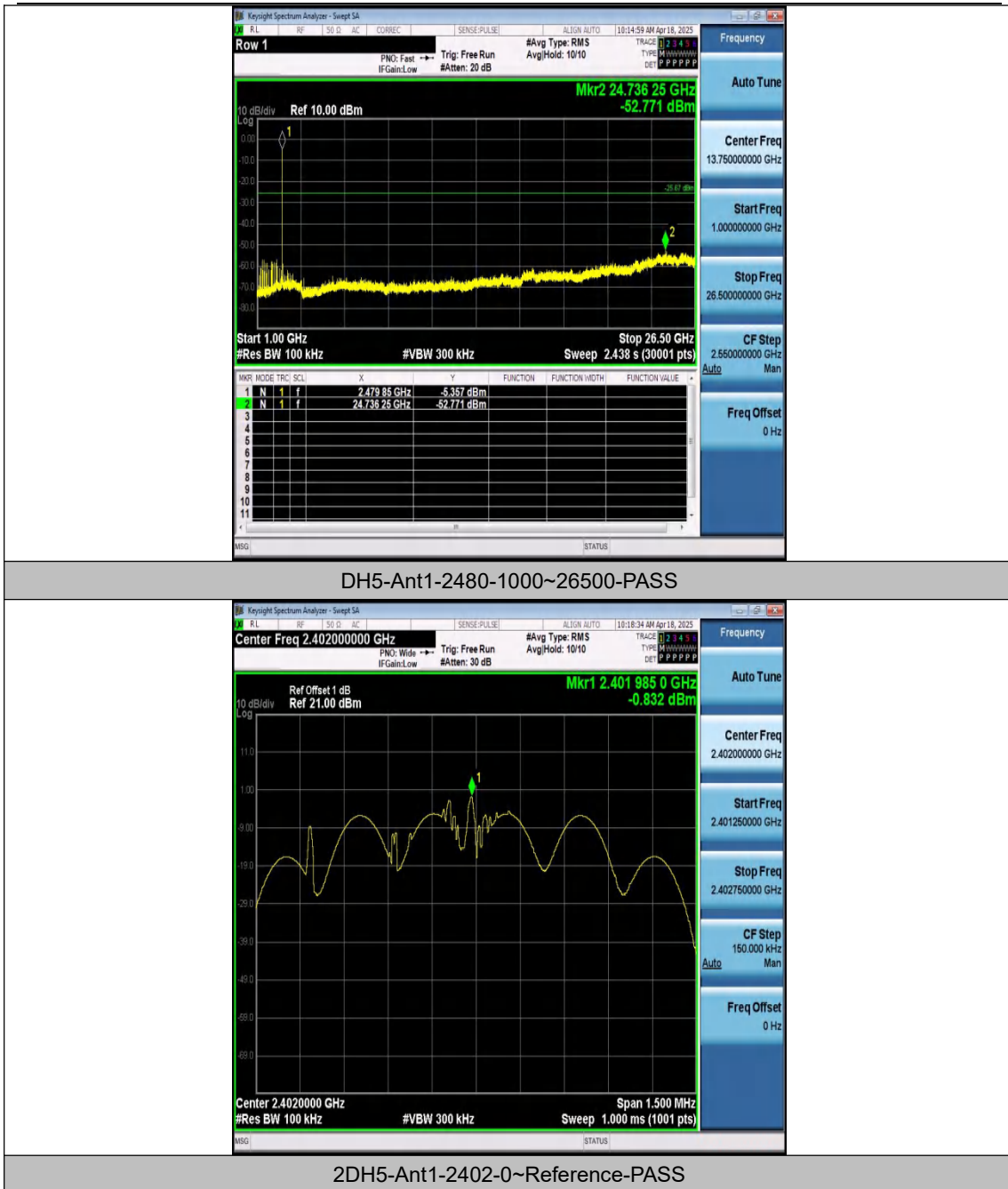


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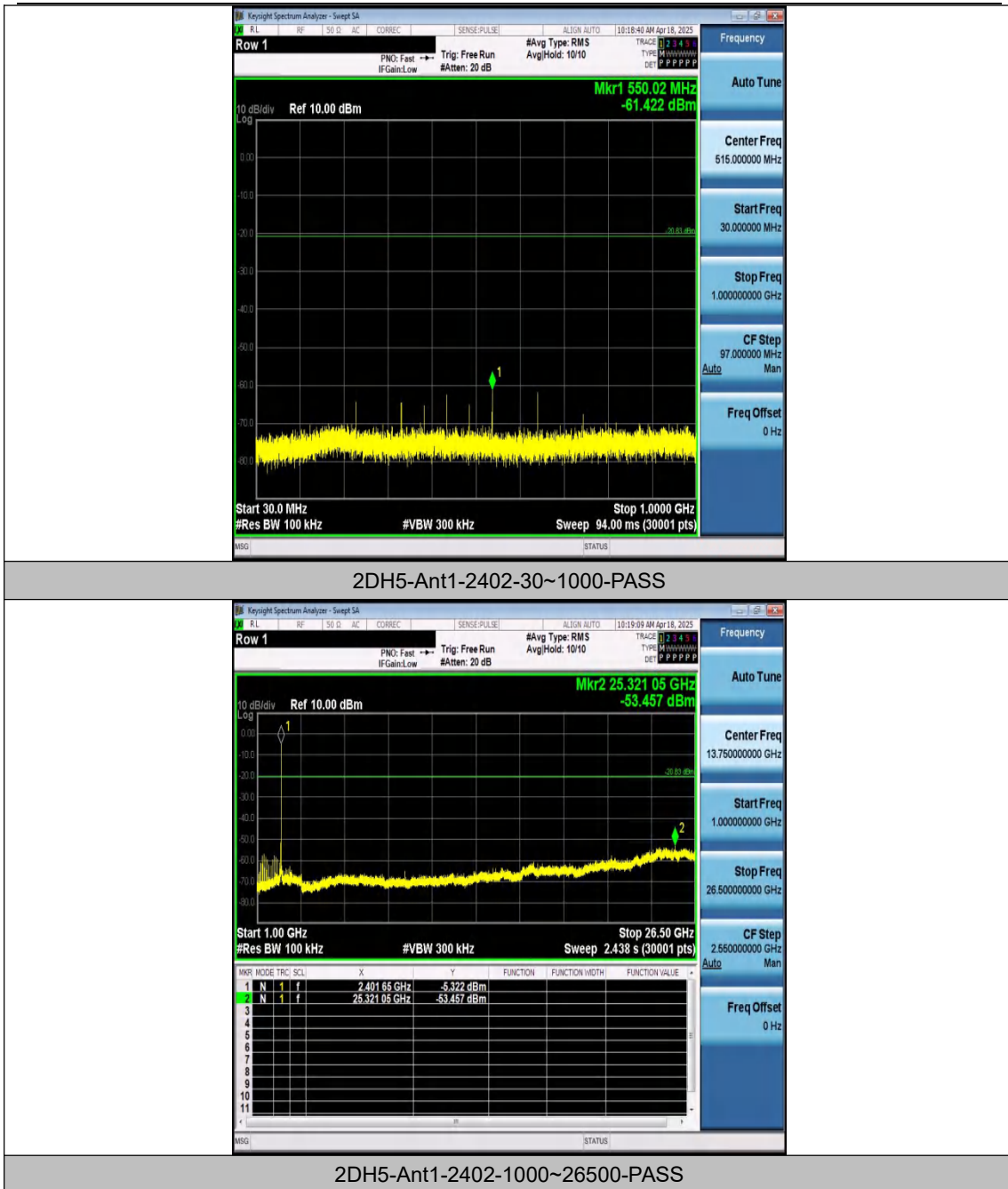


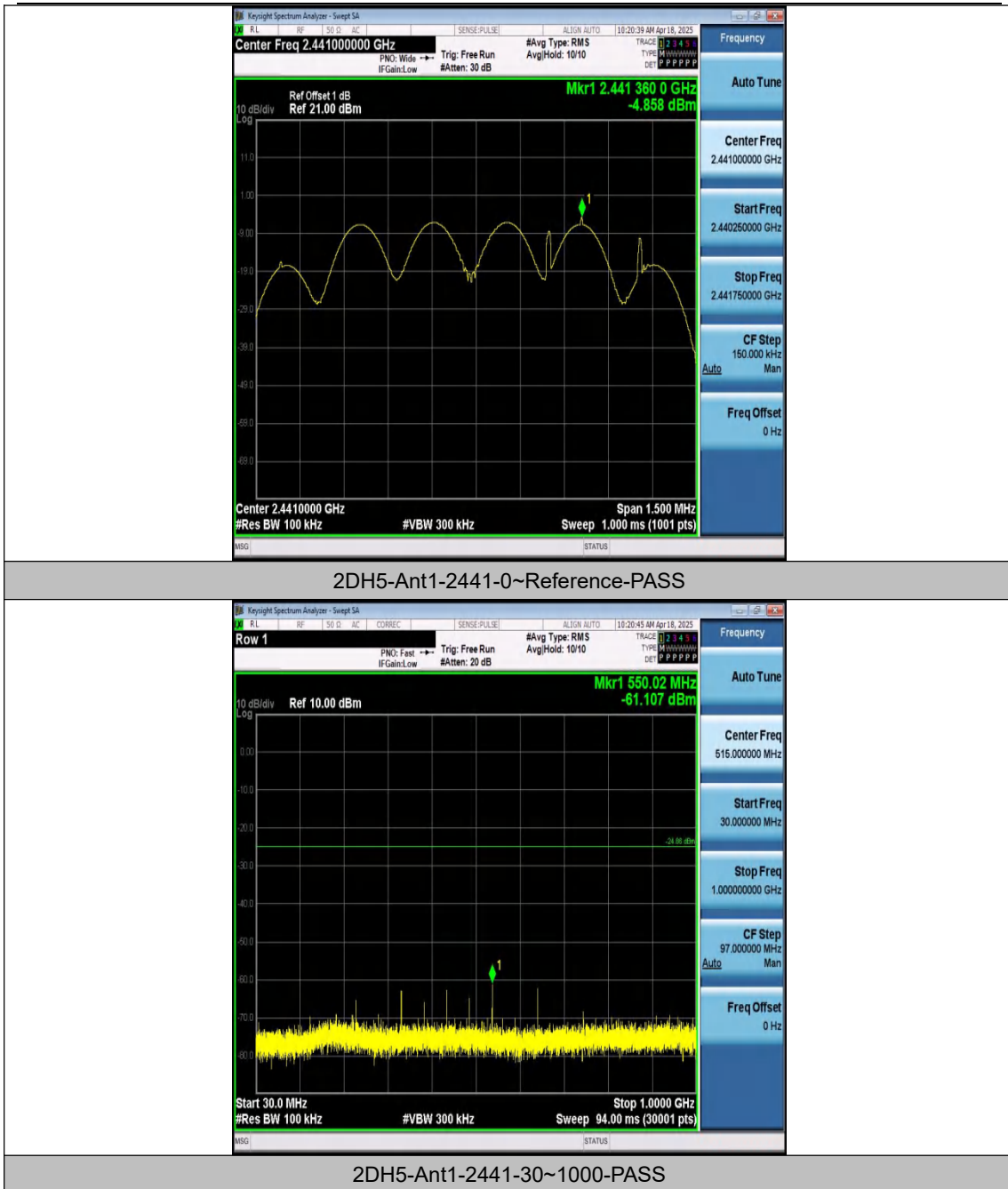
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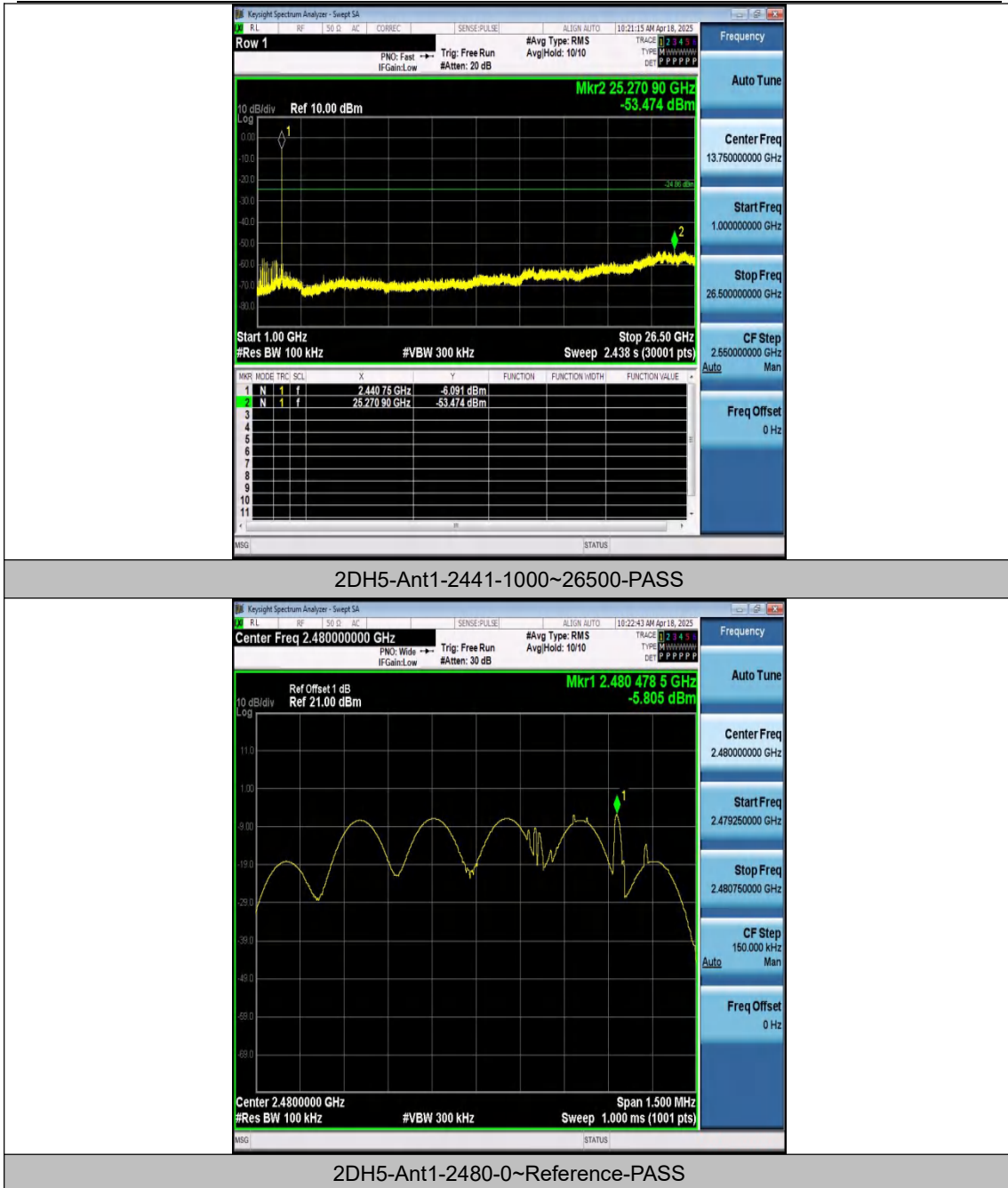




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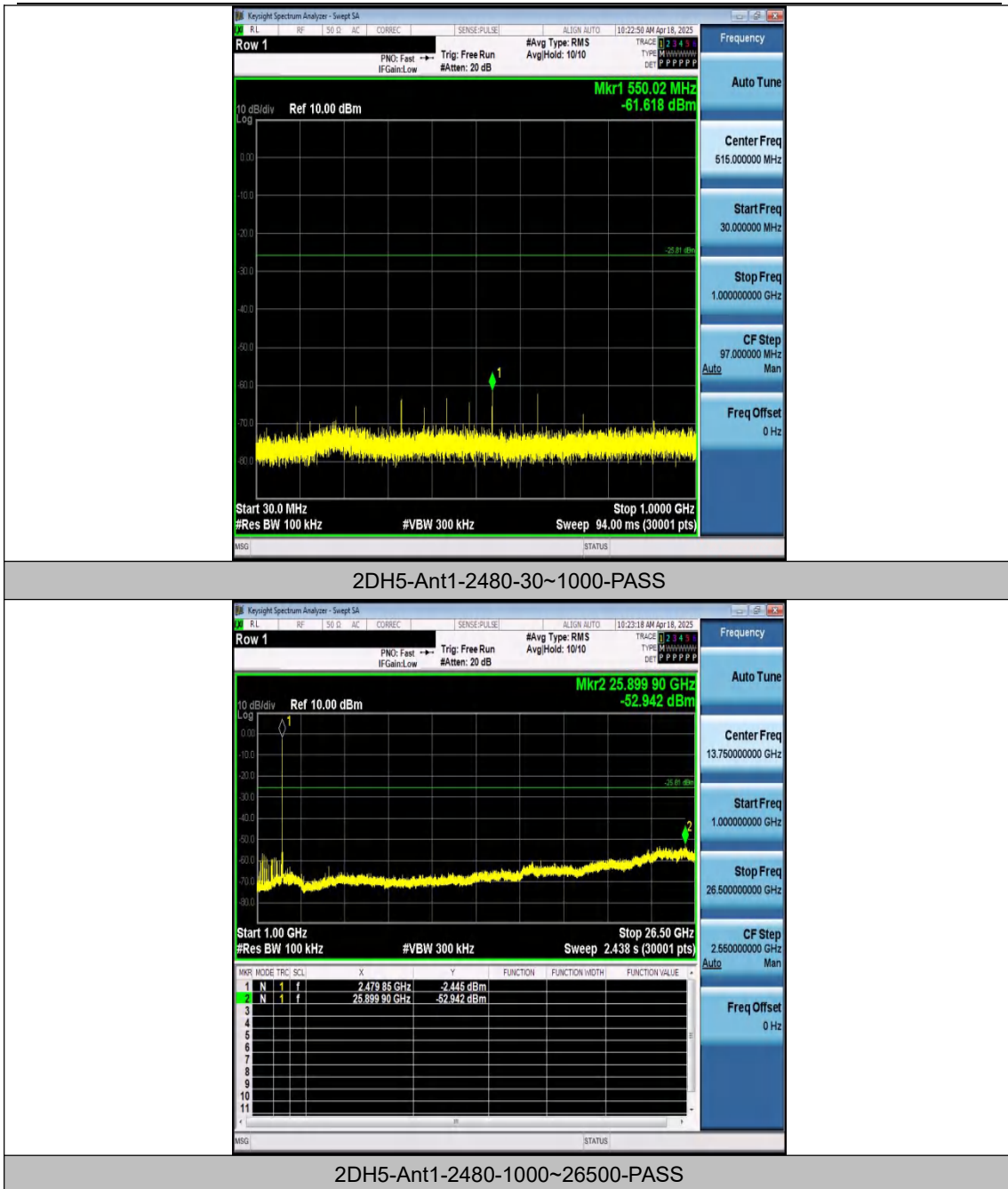
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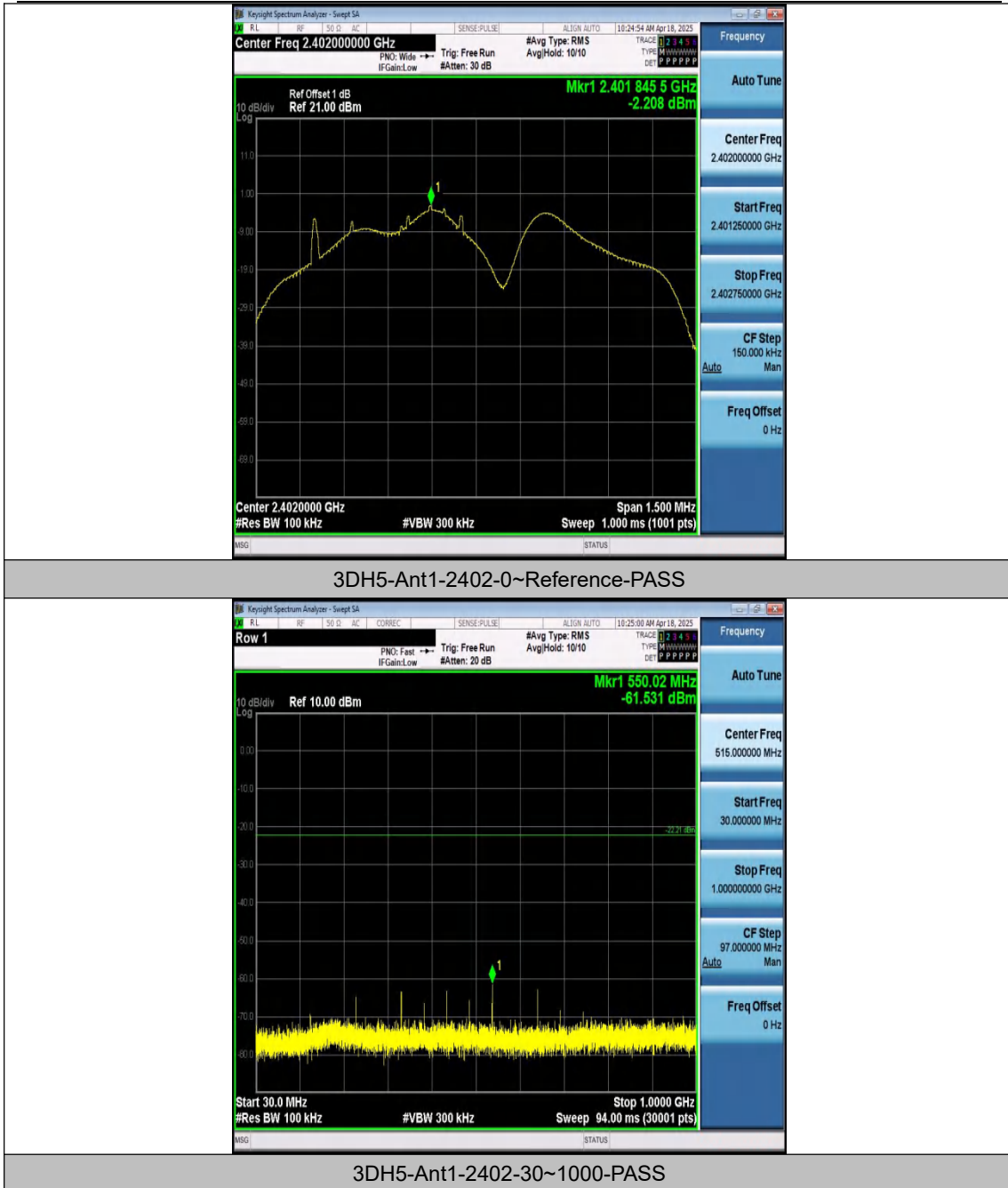


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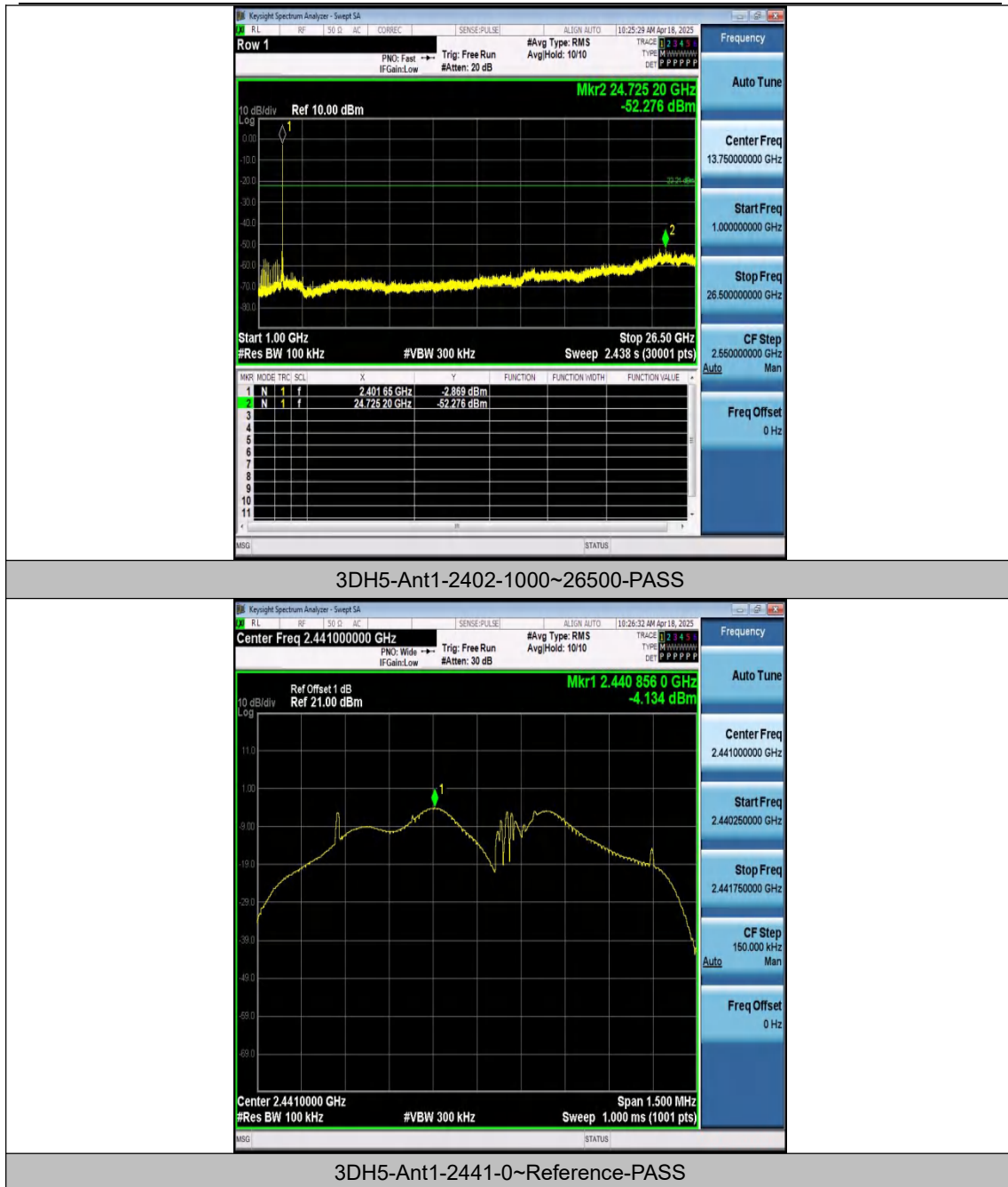


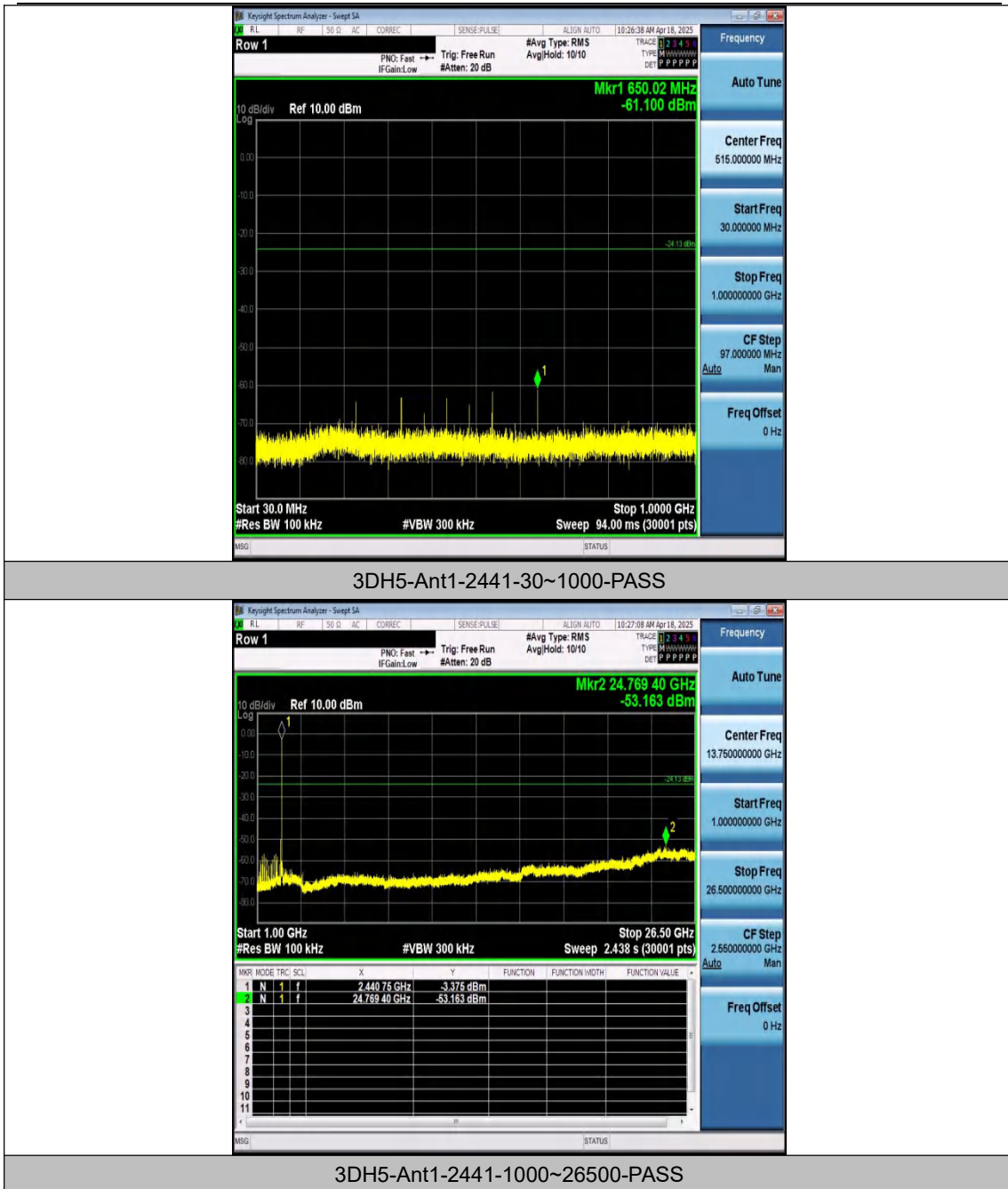
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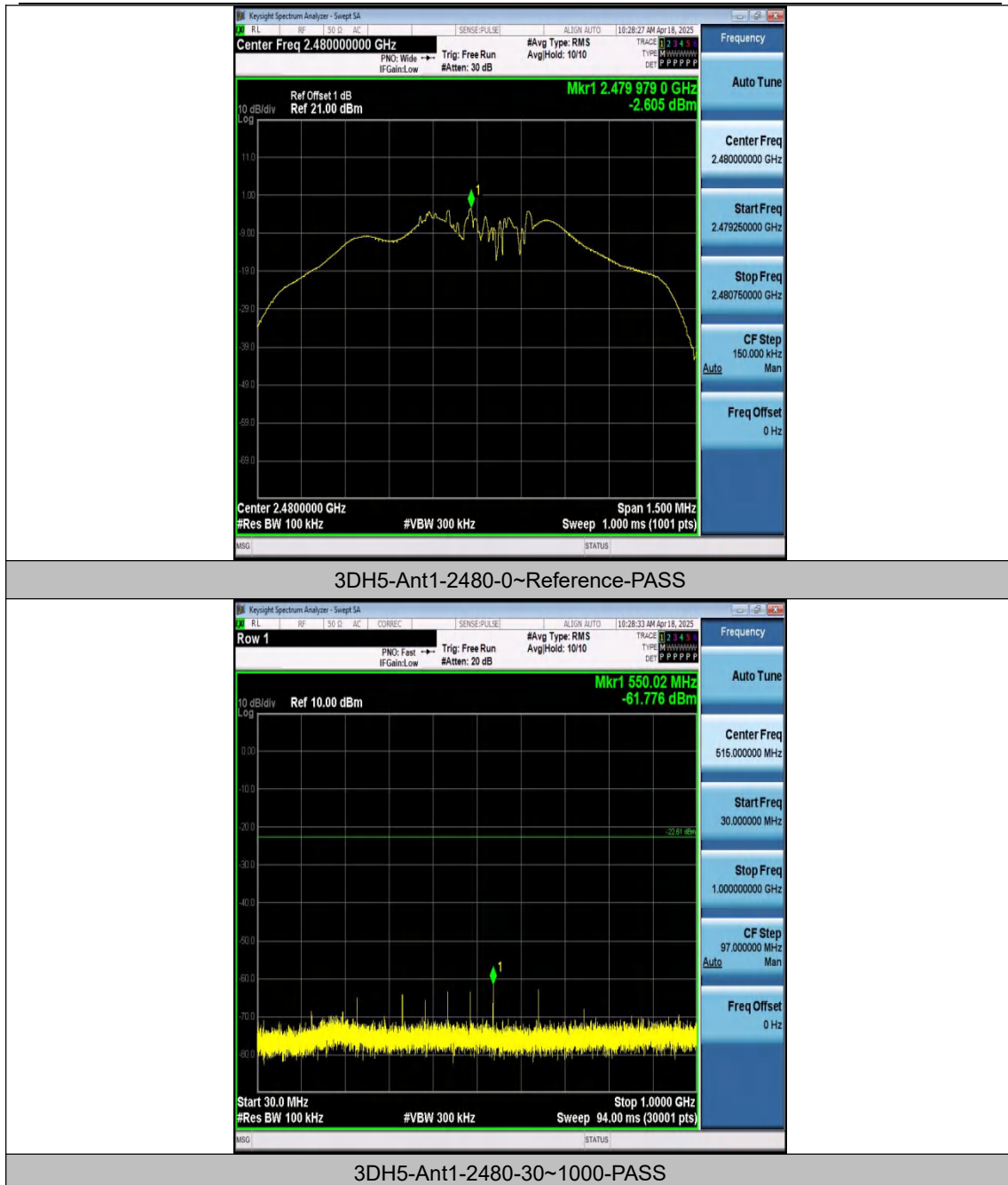
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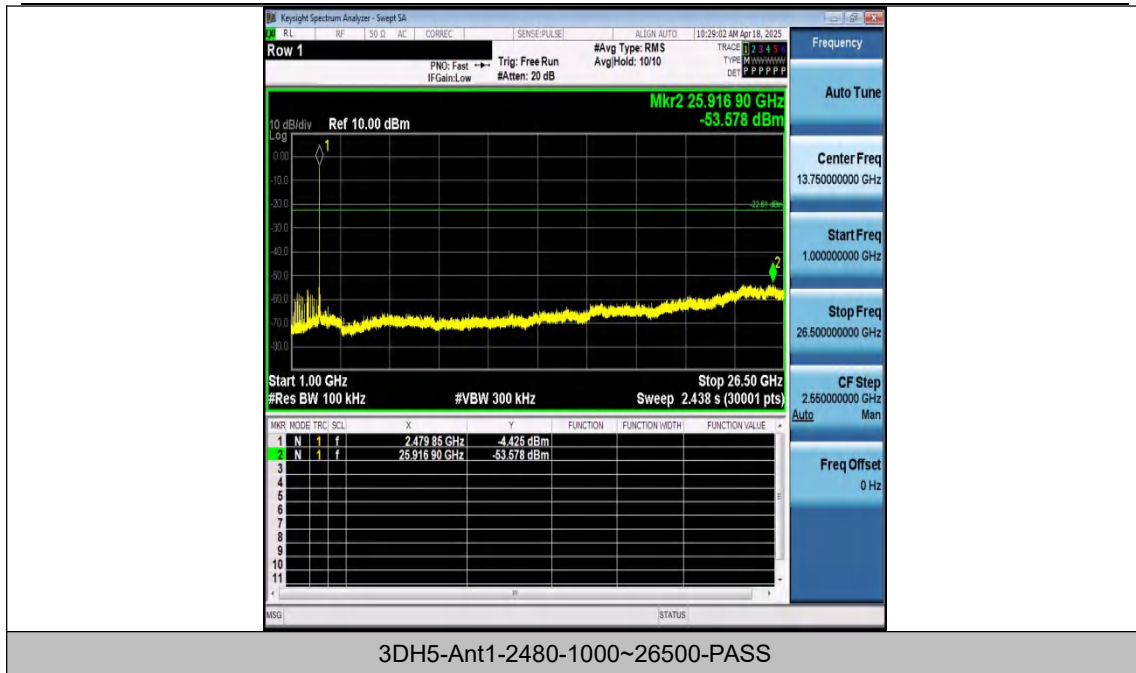




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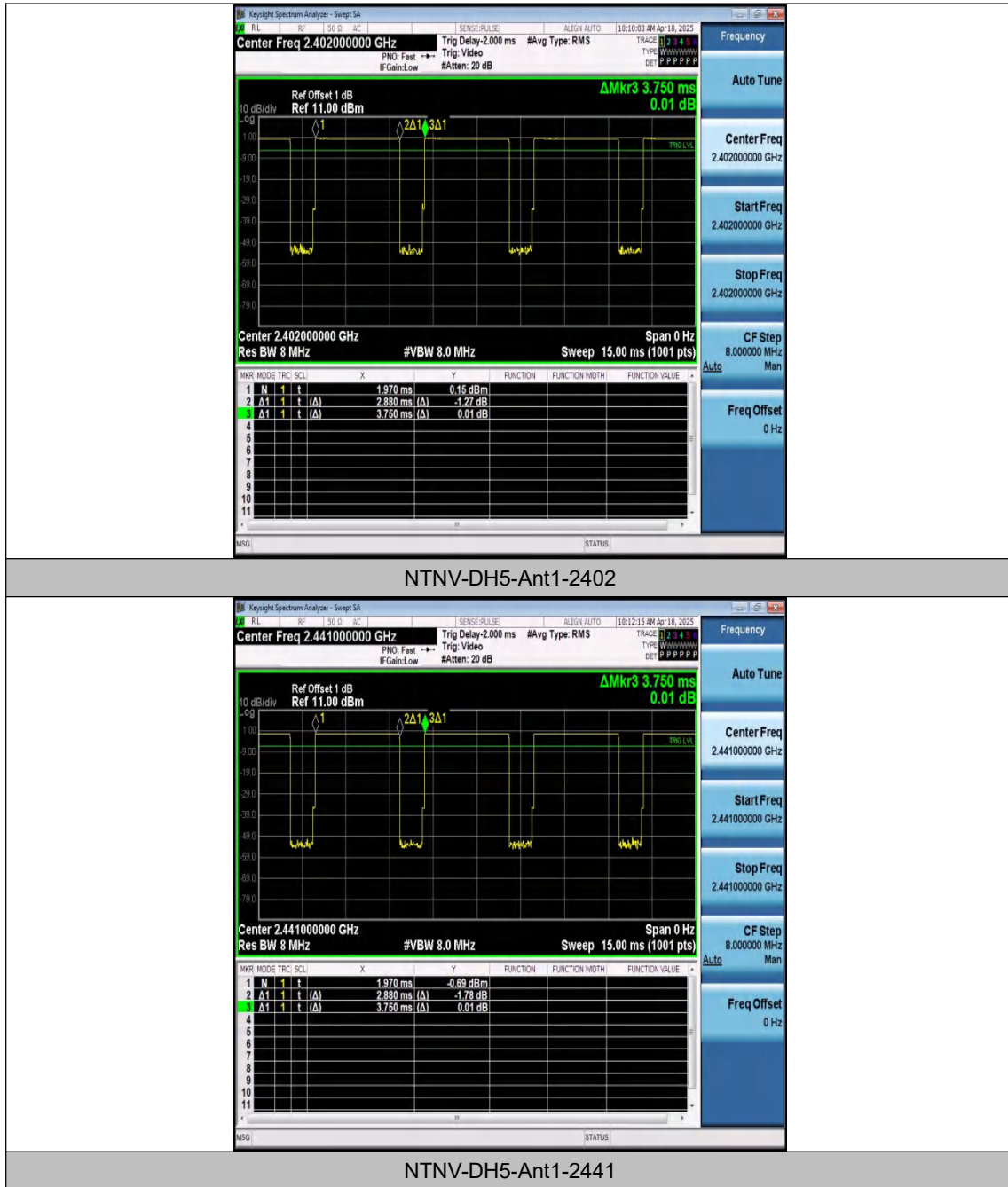
Appendix I: Duty Cycle

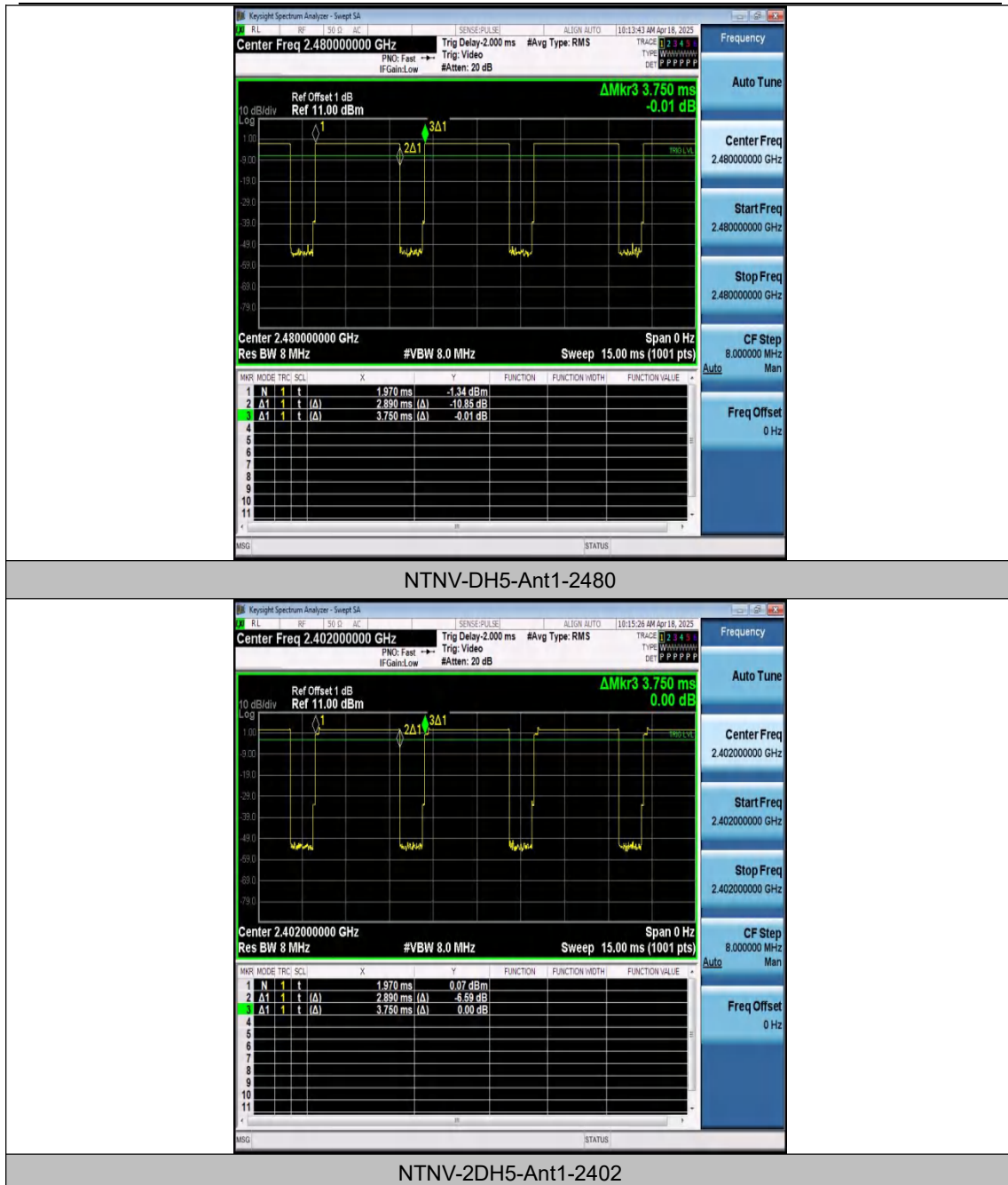
Test Result

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	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15



Test Graphs

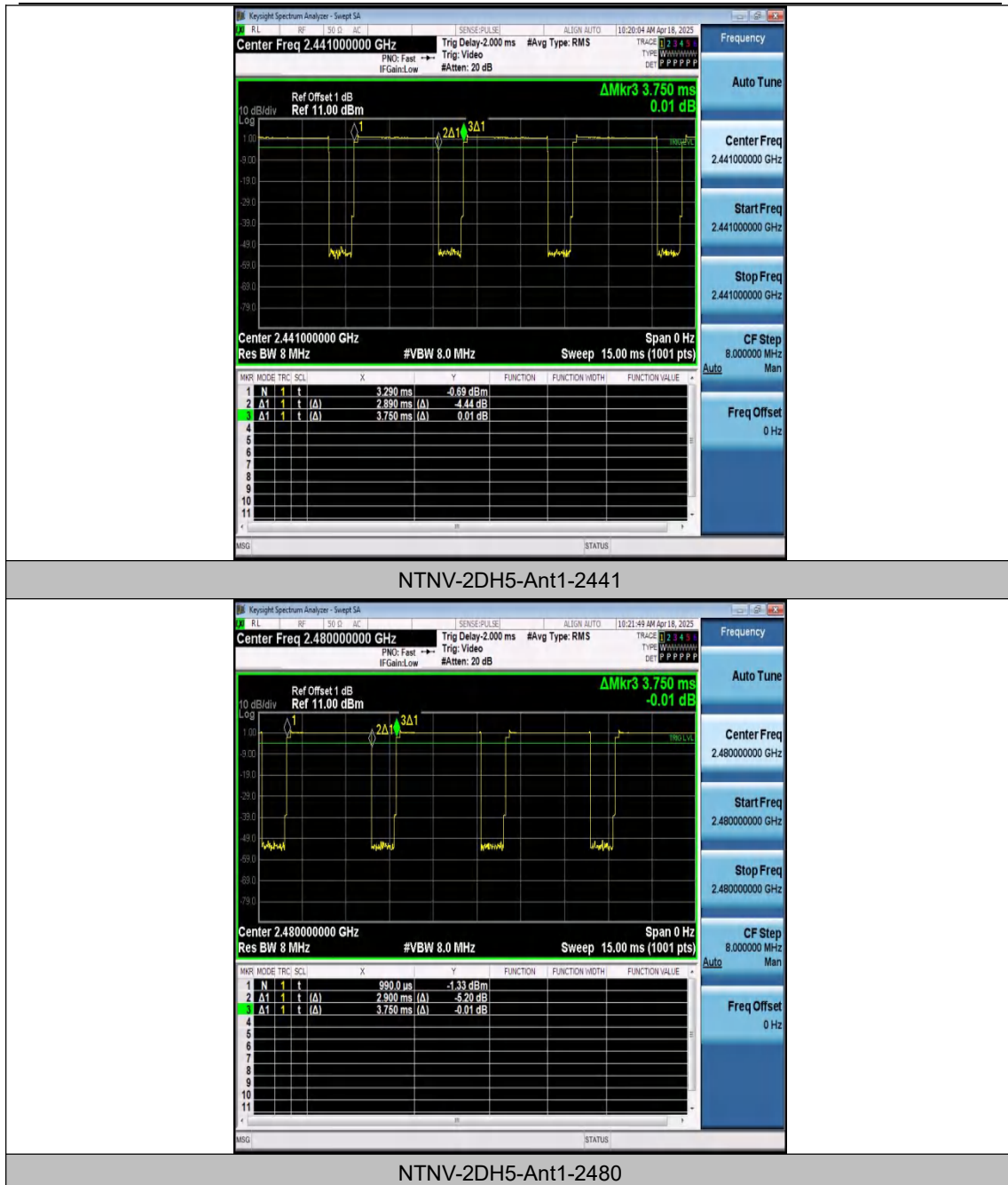


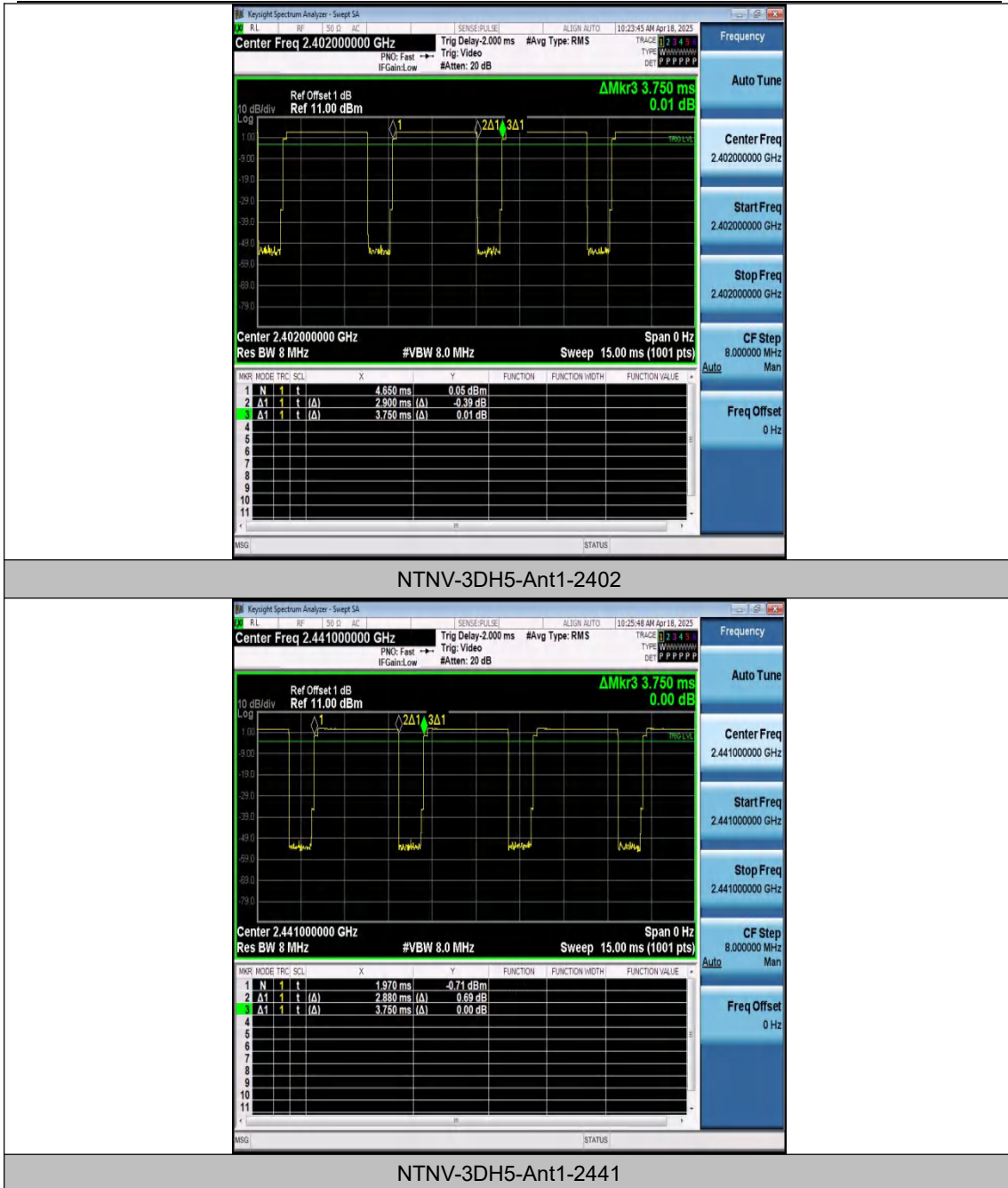


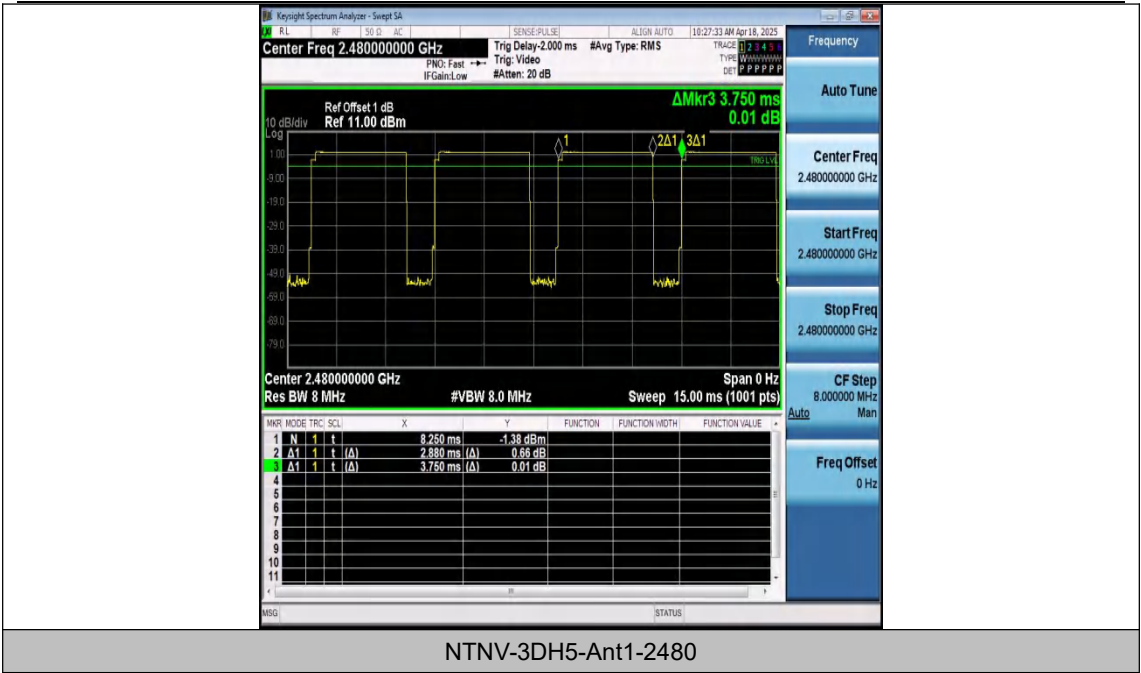
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