

Appendix Test Data

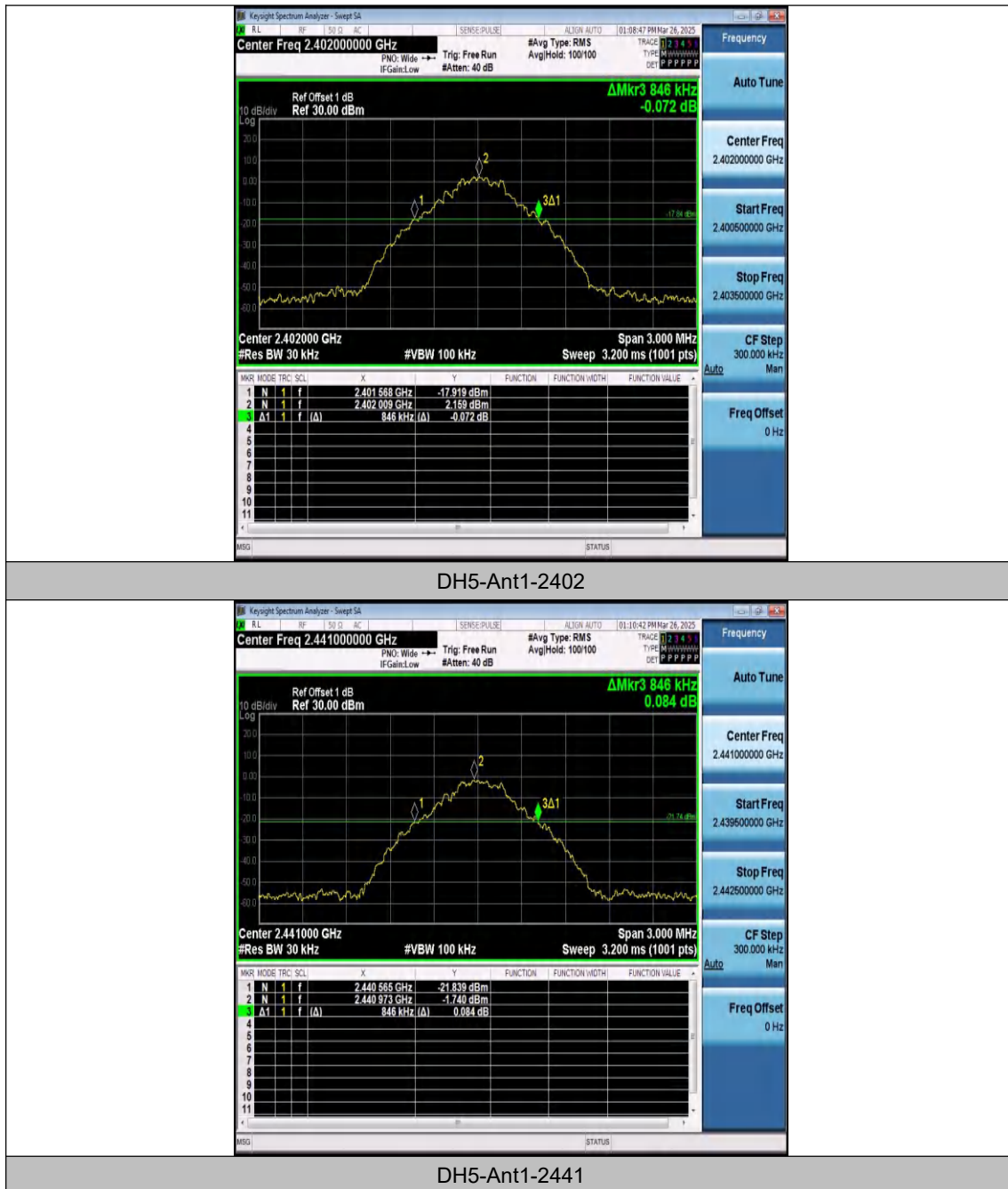
Report No.:	1812C50100412501	Test Sample No.:	1-2-2
Start Test Date:	2025.03.20	Finish Test Date:	2025.03.26
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.3°C	Relative Humidity:	45%
Pressure:	101kPa		

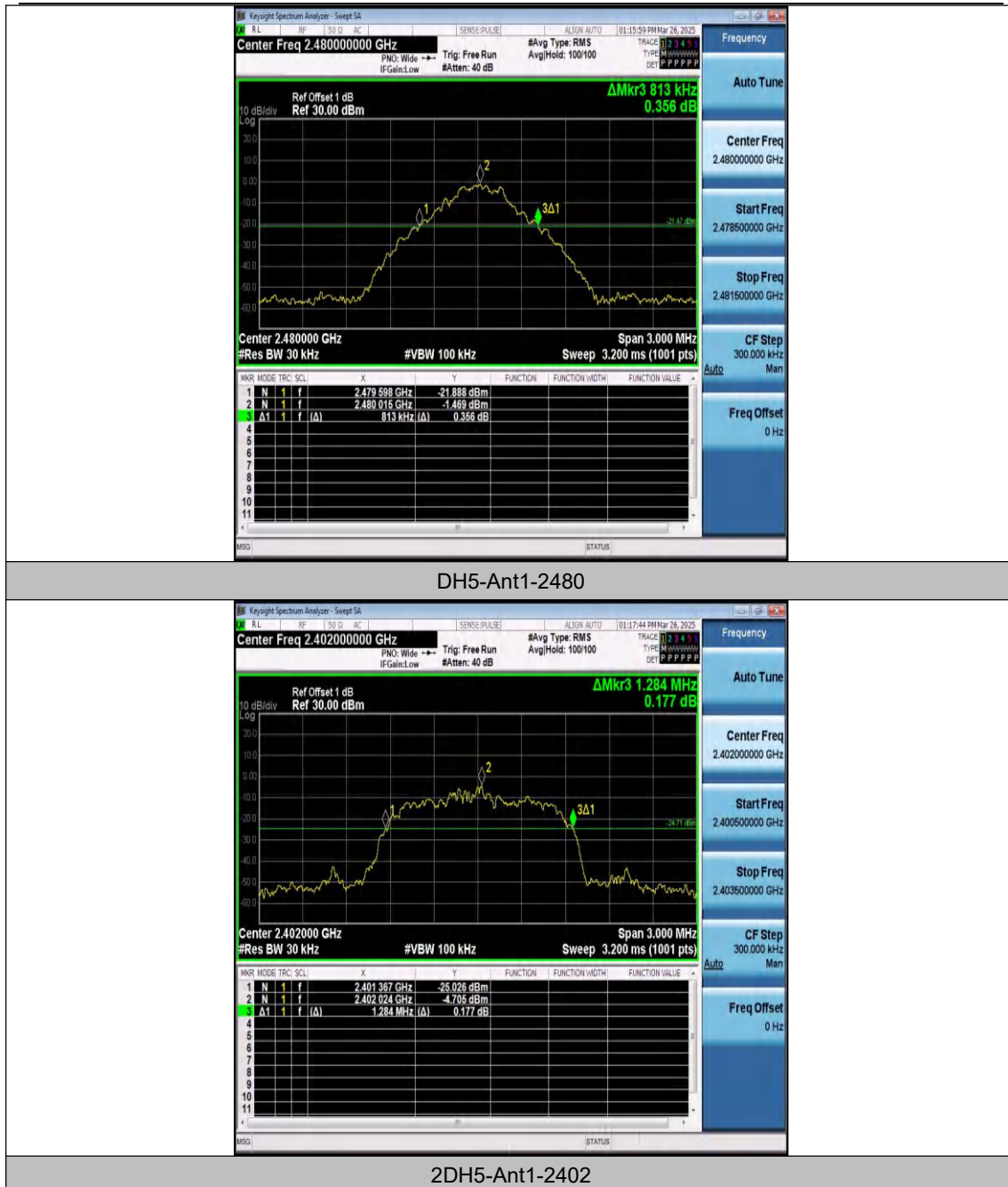
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.846	2401.568	2402.414	---	---
DH5	Ant1	2441	0.846	2440.565	2441.411	---	---
DH5	Ant1	2480	0.813	2479.598	2480.411	---	---
2DH5	Ant1	2402	1.284	2401.367	2402.651	---	---
2DH5	Ant1	2441	1.242	2440.379	2441.621	---	---
2DH5	Ant1	2480	1.278	2479.364	2480.642	---	---
3DH5	Ant1	2402	1.293	2401.352	2402.645	---	---
3DH5	Ant1	2441	1.296	2440.352	2441.648	---	---
3DH5	Ant1	2480	1.296	2479.352	2480.648	---	---

Test Graphs











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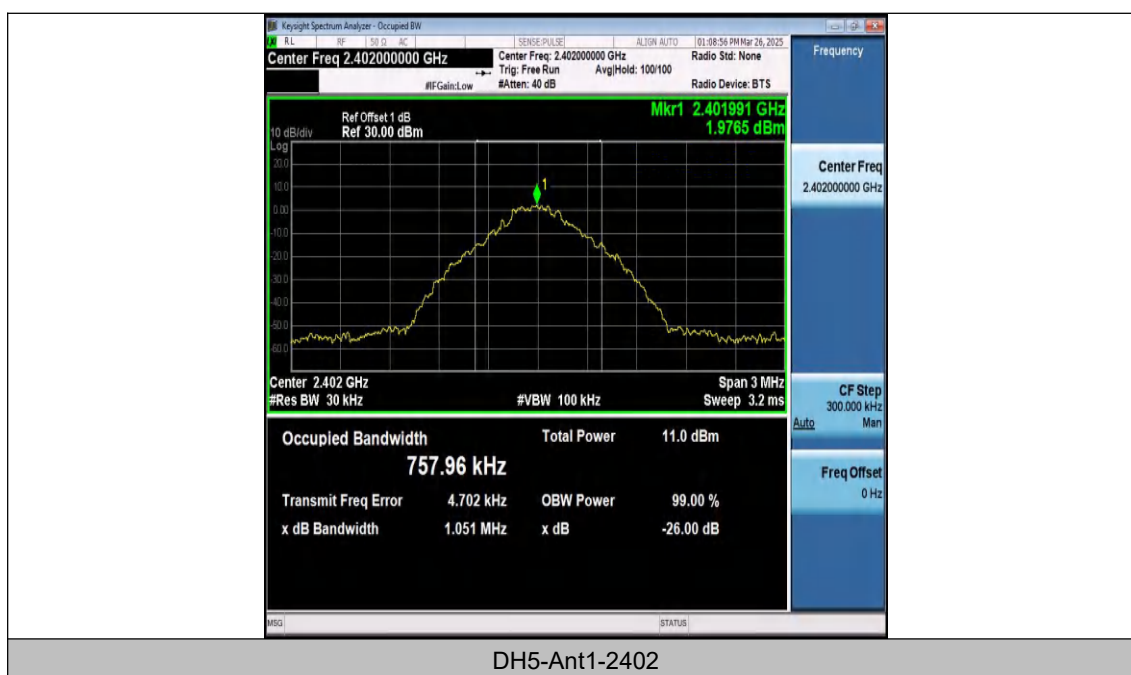
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.75796	2401.6257	2402.3837	---	---
DH5	Ant1	2441	0.74715	2440.6300	2441.3771	---	---
DH5	Ant1	2480	0.75312	2479.6275	2480.3806	---	---
2DH5	Ant1	2402	1.1658	2401.4148	2402.5806	---	---
2DH5	Ant1	2441	1.1746	2440.4107	2441.5853	---	---
2DH5	Ant1	2480	1.1744	2479.4093	2480.5837	---	---
3DH5	Ant1	2402	1.1707	2401.4191	2402.5898	---	---
3DH5	Ant1	2441	1.1699	2440.4203	2441.5902	---	---
3DH5	Ant1	2480	1.1808	2479.4113	2480.5921	---	---

Test Graphs









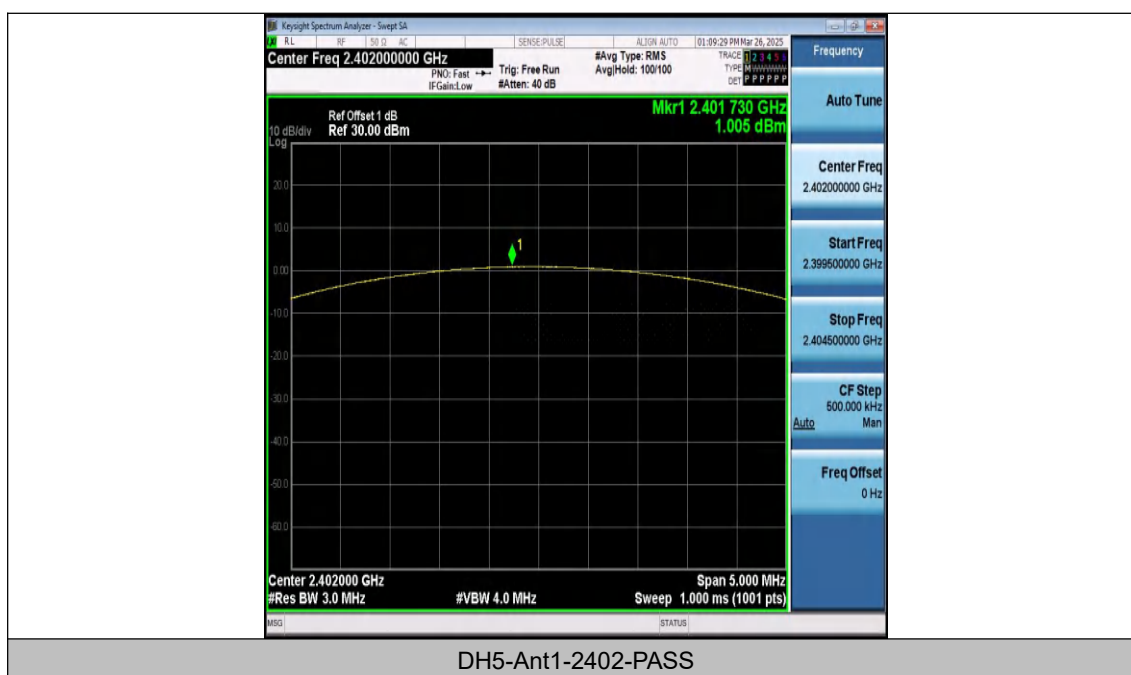


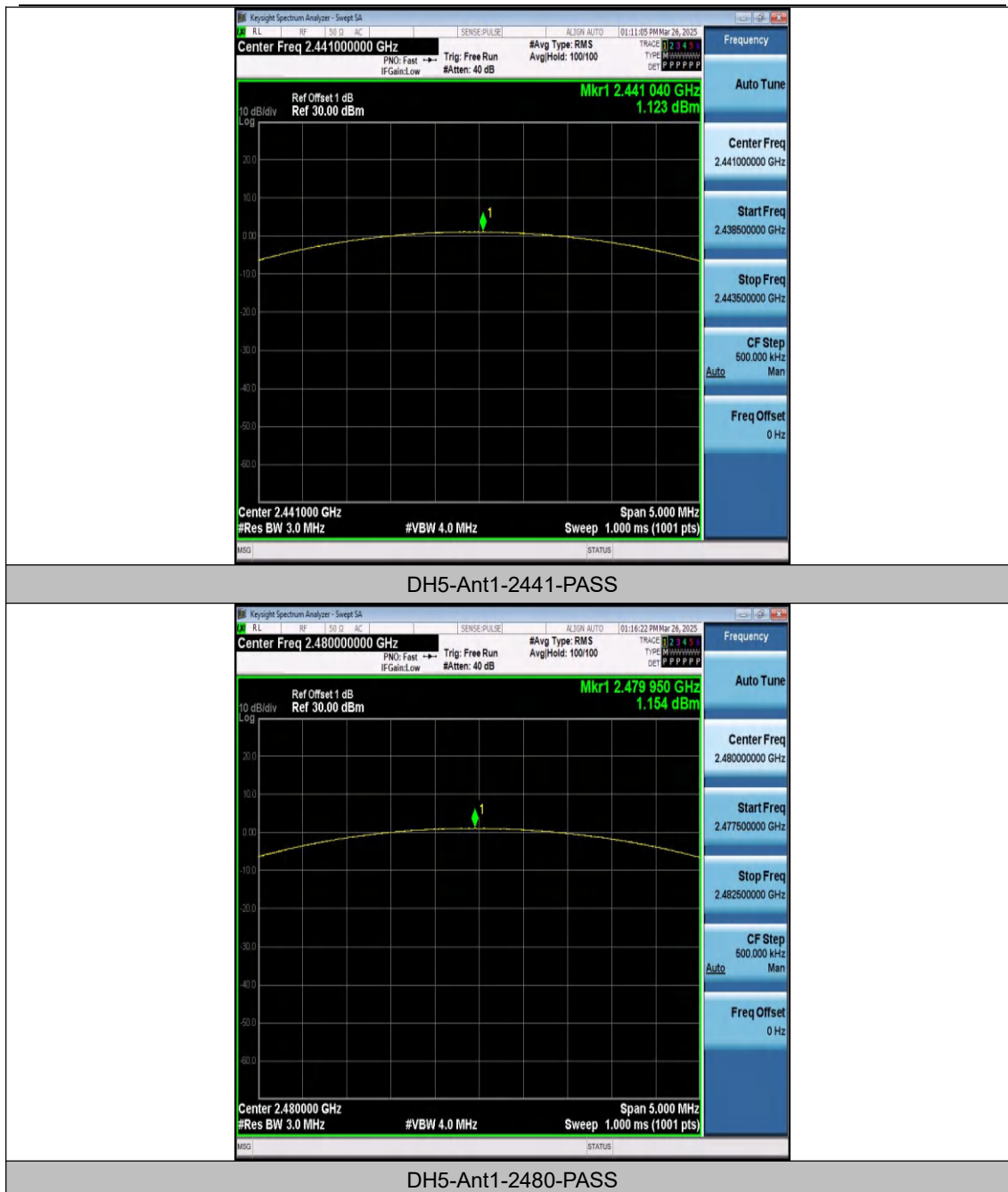
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.01	≤20.97	PASS
DH5	Ant1	2441	1.12	≤20.97	PASS
DH5	Ant1	2480	1.15	≤20.97	PASS
2DH5	Ant1	2402	0.19	≤20.97	PASS
2DH5	Ant1	2441	0.18	≤20.97	PASS
2DH5	Ant1	2480	0.24	≤20.97	PASS
3DH5	Ant1	2402	-0.10	≤20.97	PASS
3DH5	Ant1	2441	-0.09	≤20.97	PASS
3DH5	Ant1	2480	-0.03	≤20.97	PASS

Test Graphs



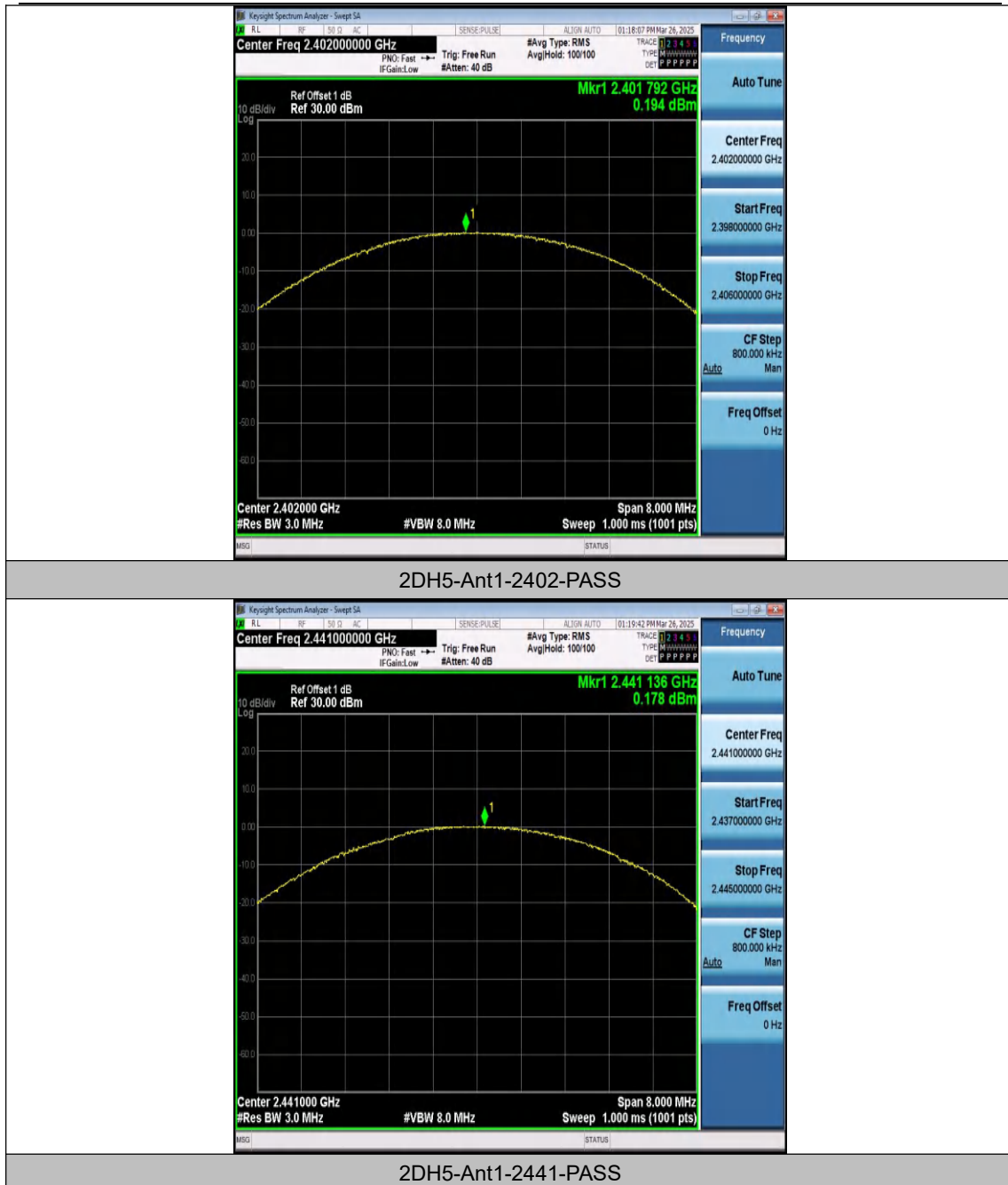


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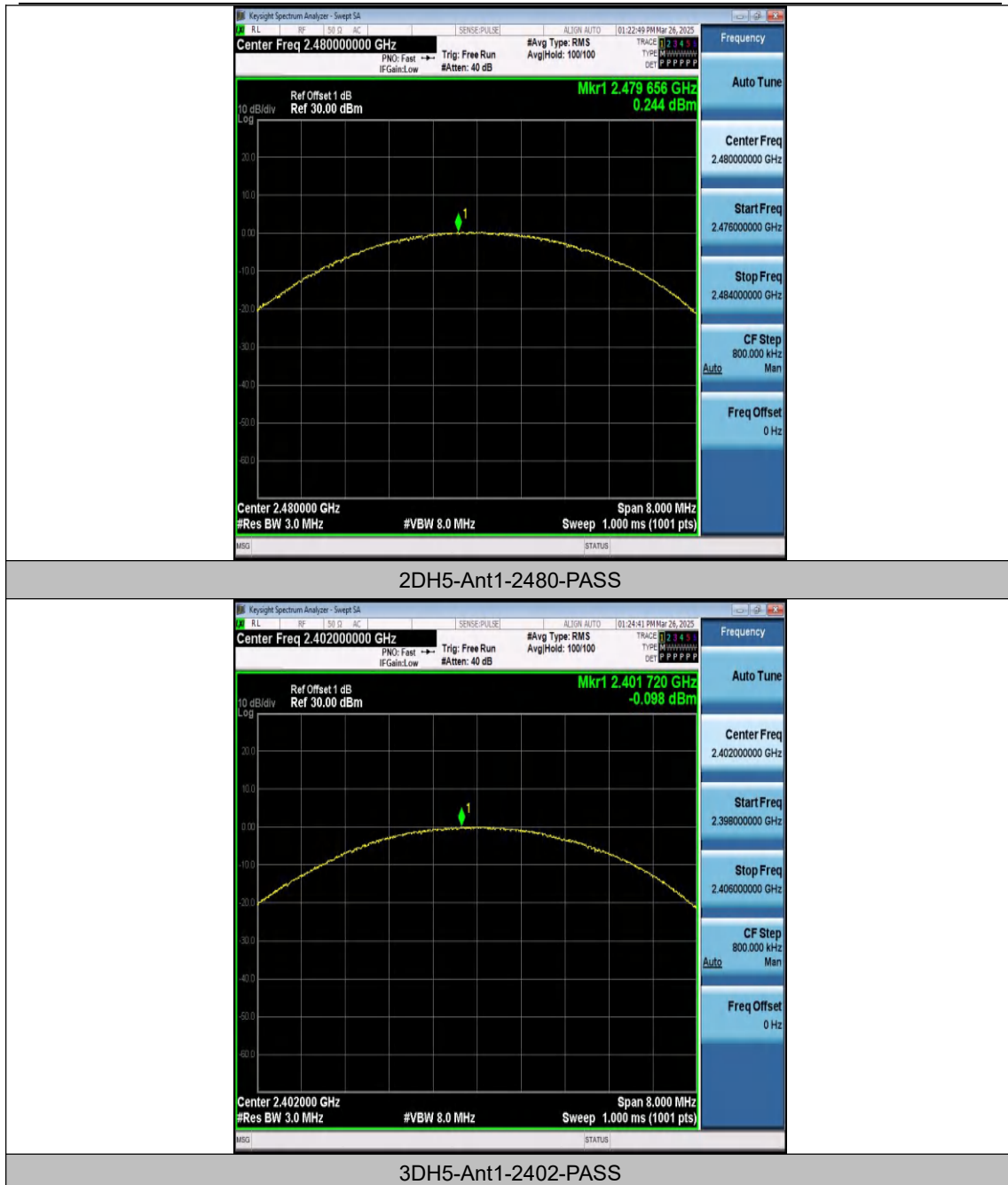
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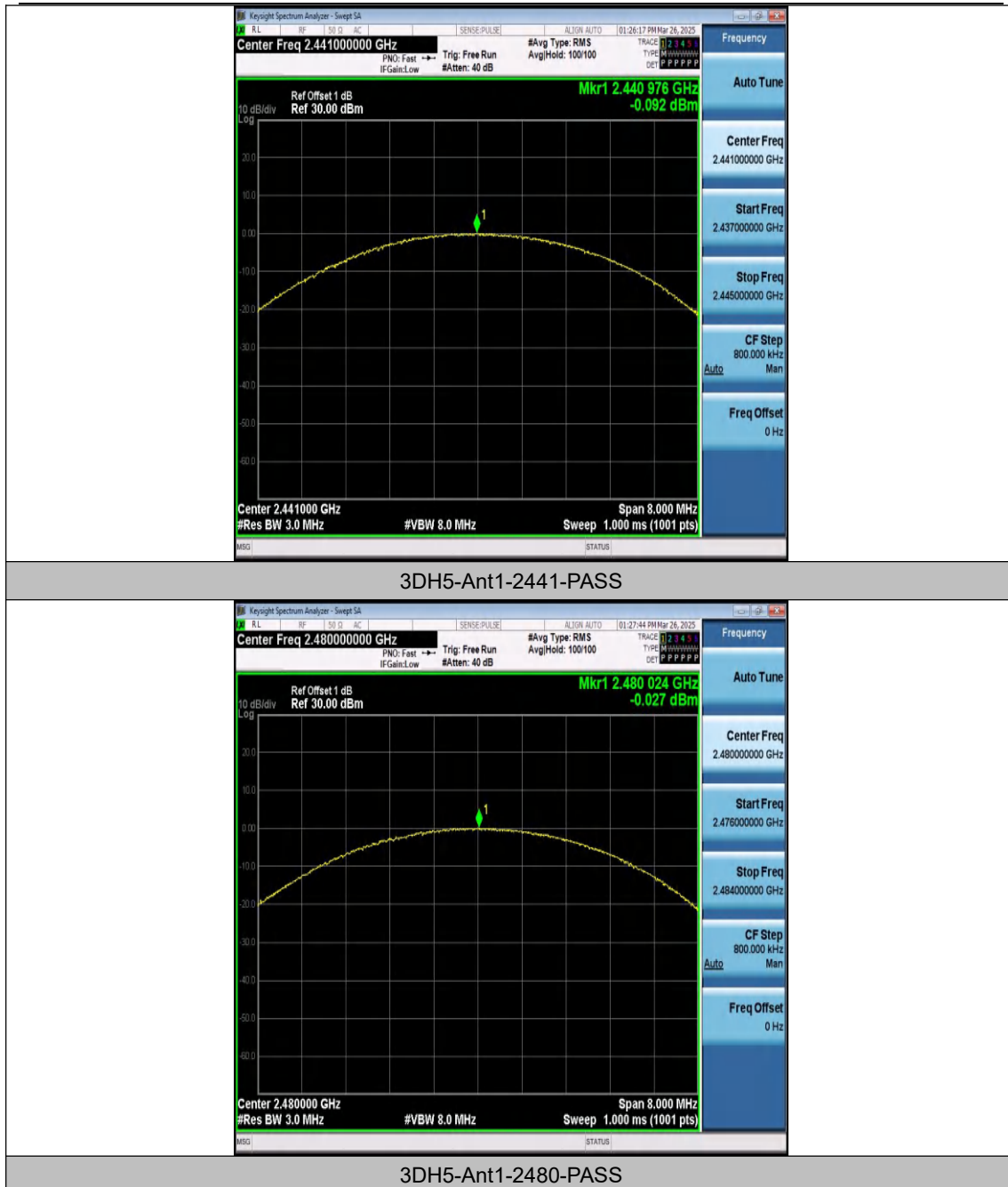
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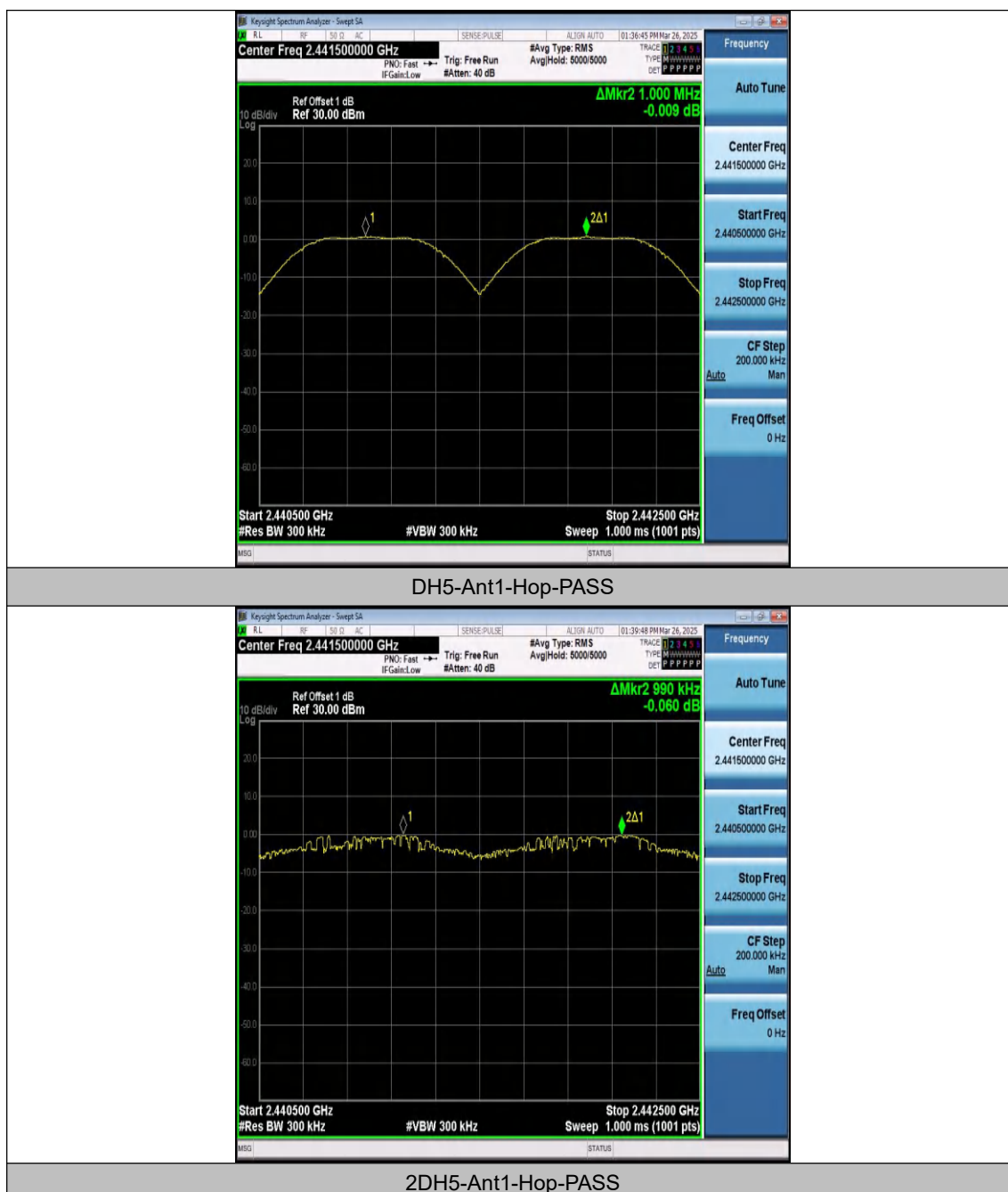
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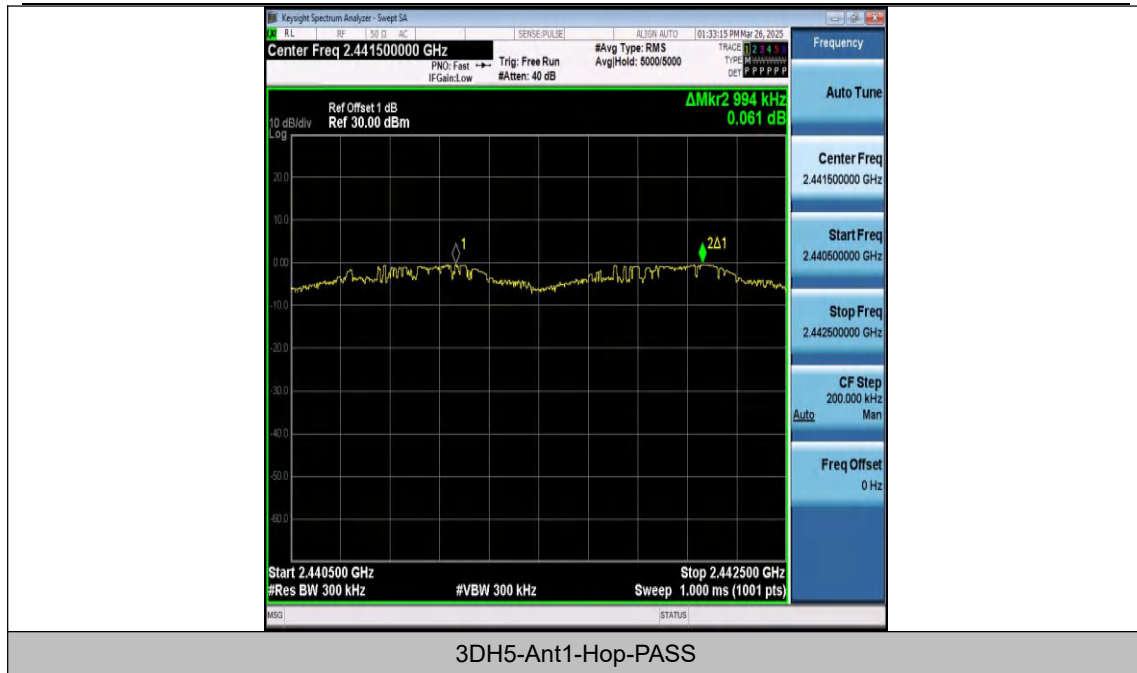
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.846	PASS
2DH5	Ant1	Hop	0.99	≥ 0.856	PASS
3DH5	Ant1	Hop	0.994	≥ 0.864	PASS

Test Graphs





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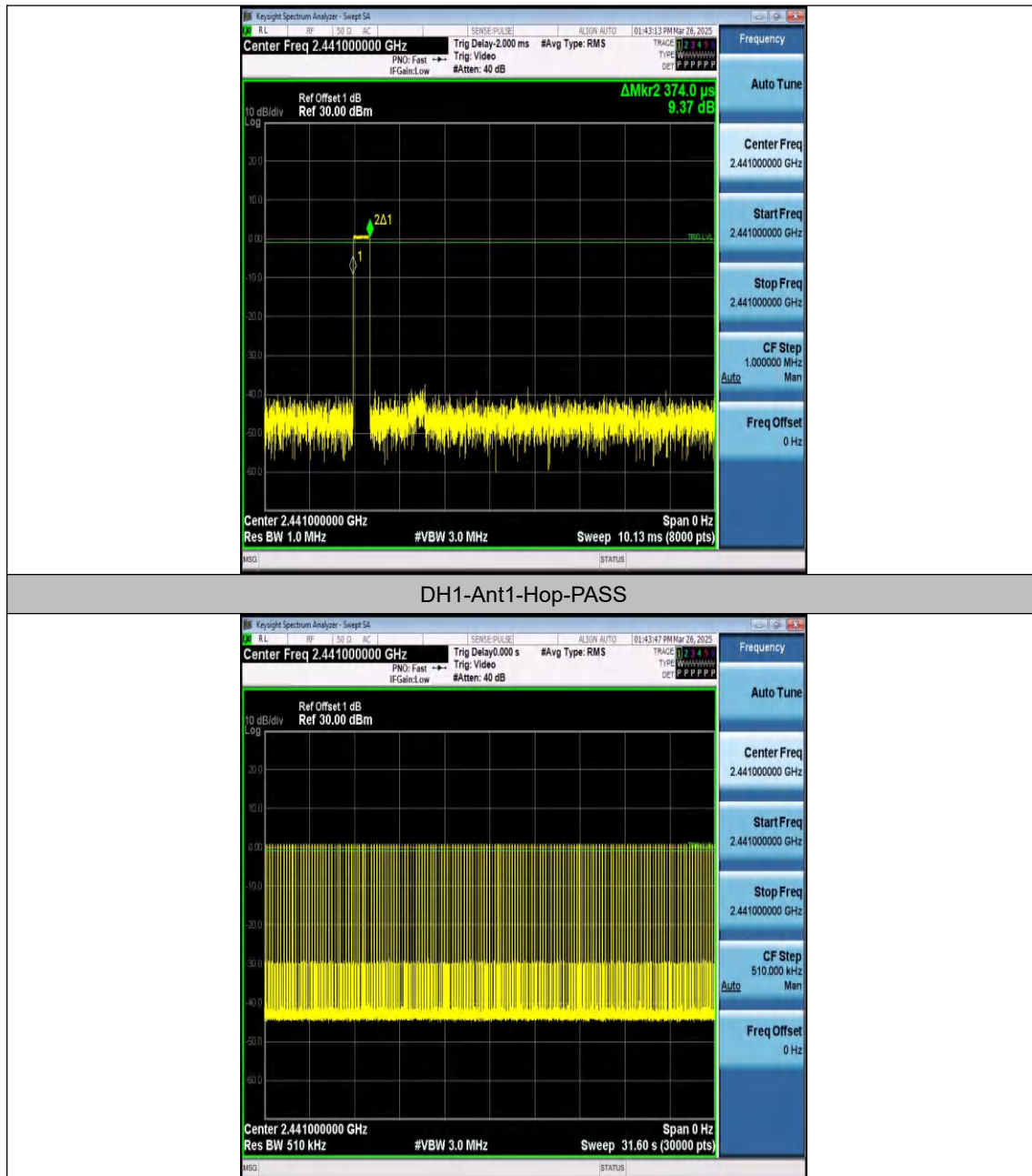
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.374	313	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.630	158	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.877	111	0.319	≤0.4	PASS
2DH1	Ant1	Hop	0.381	313	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.634	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.882	106	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.383	311	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.633	159	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.883	113	0.326	≤0.4	PASS

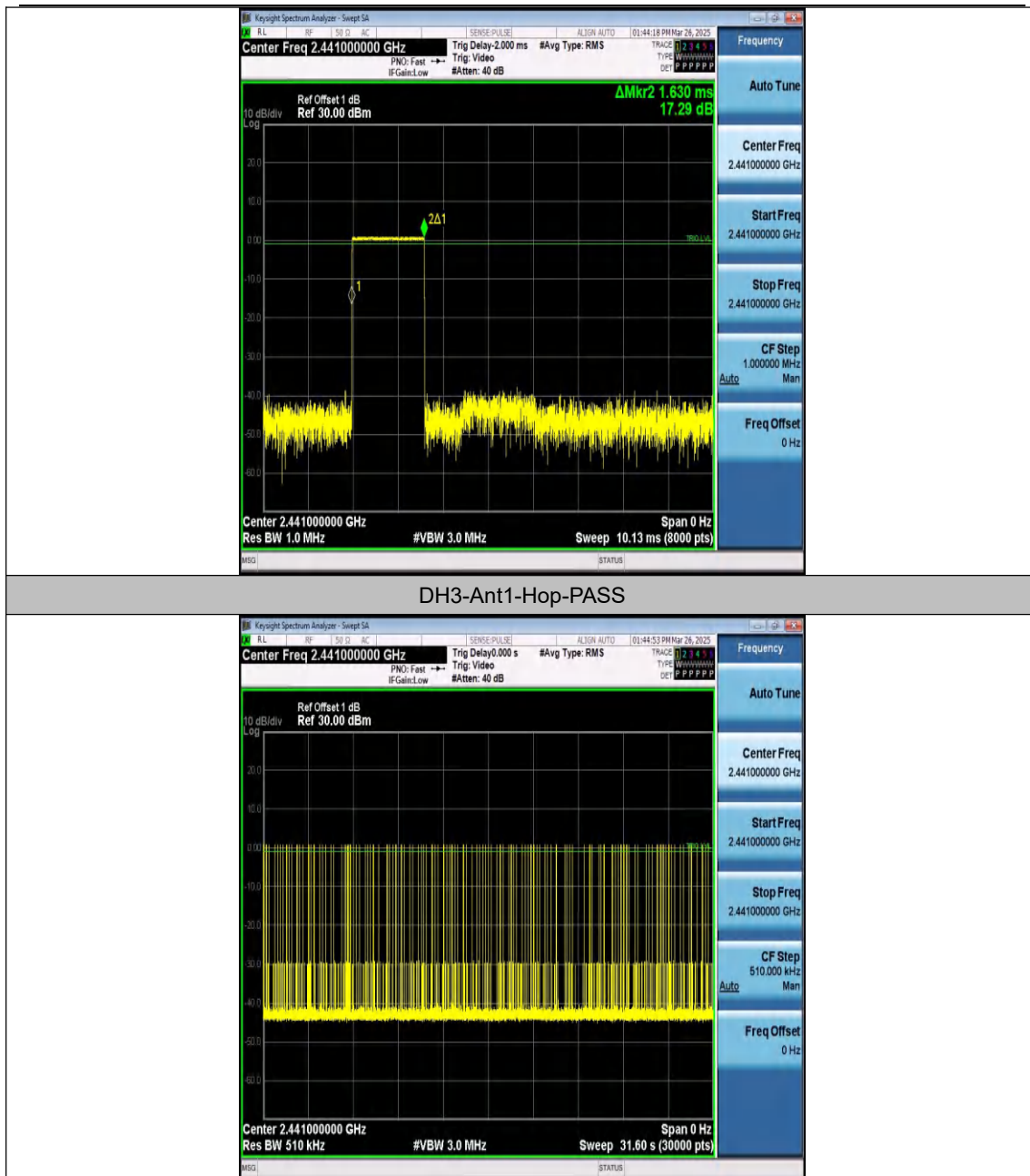
Test Graphs



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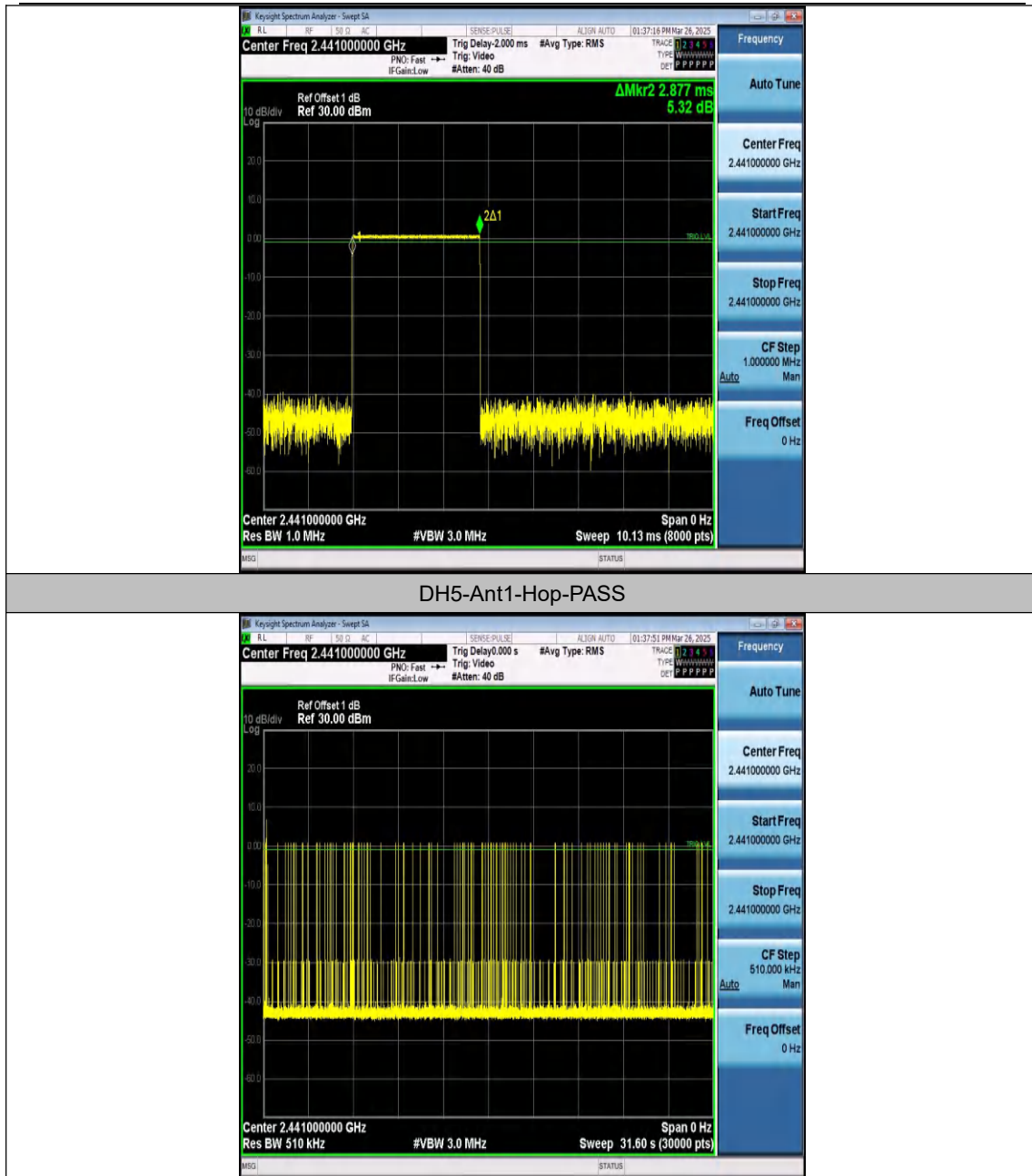


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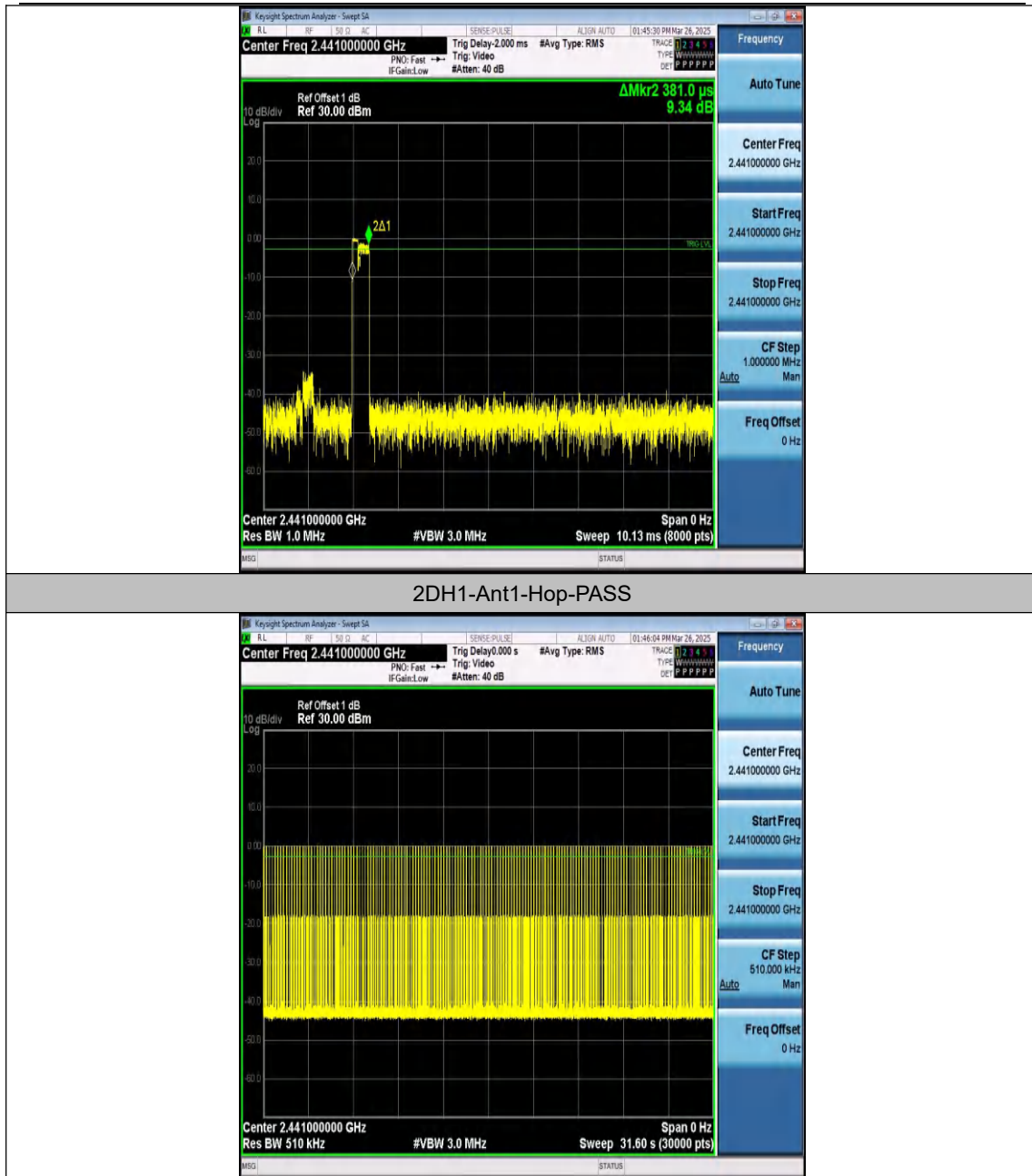


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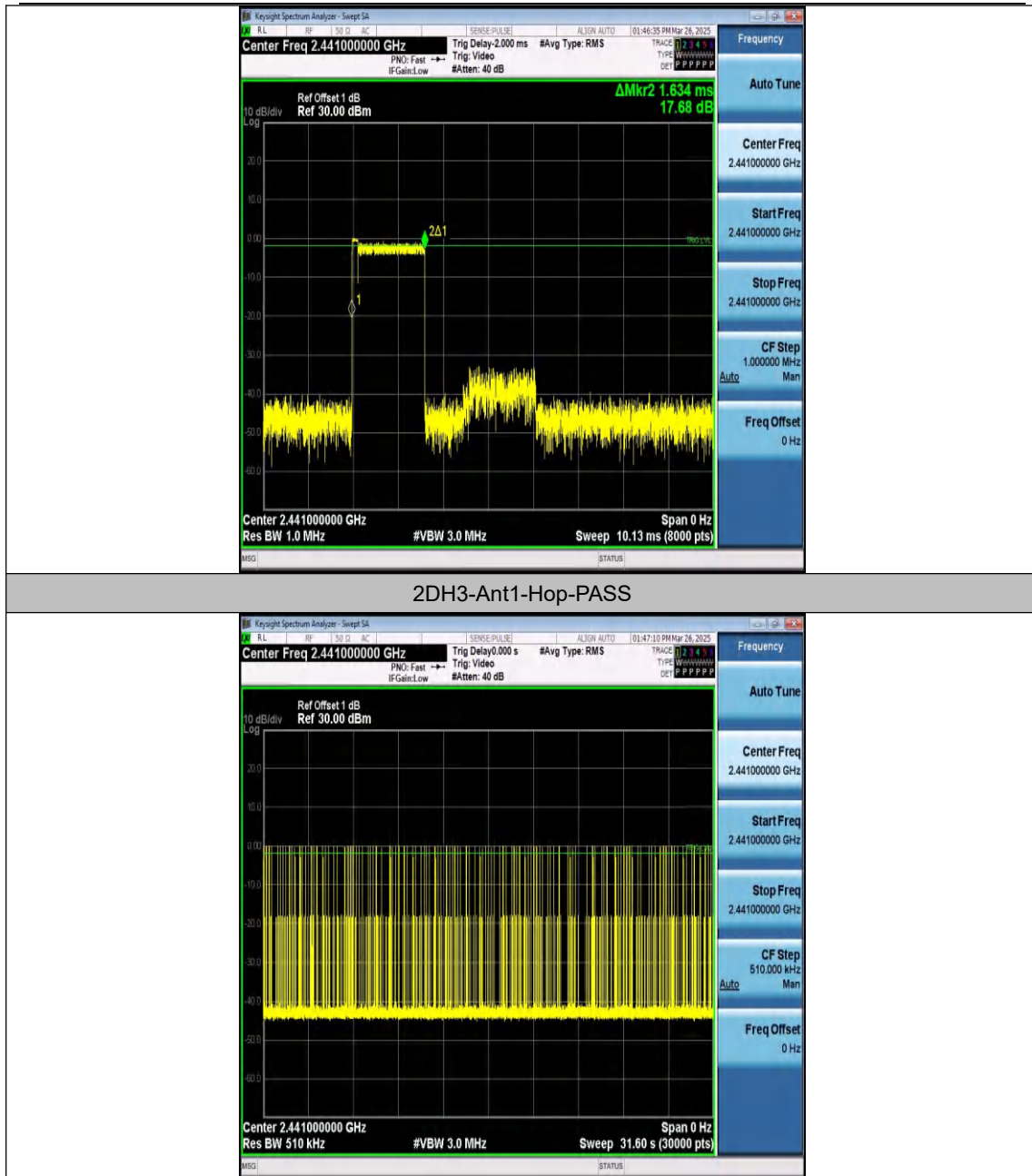
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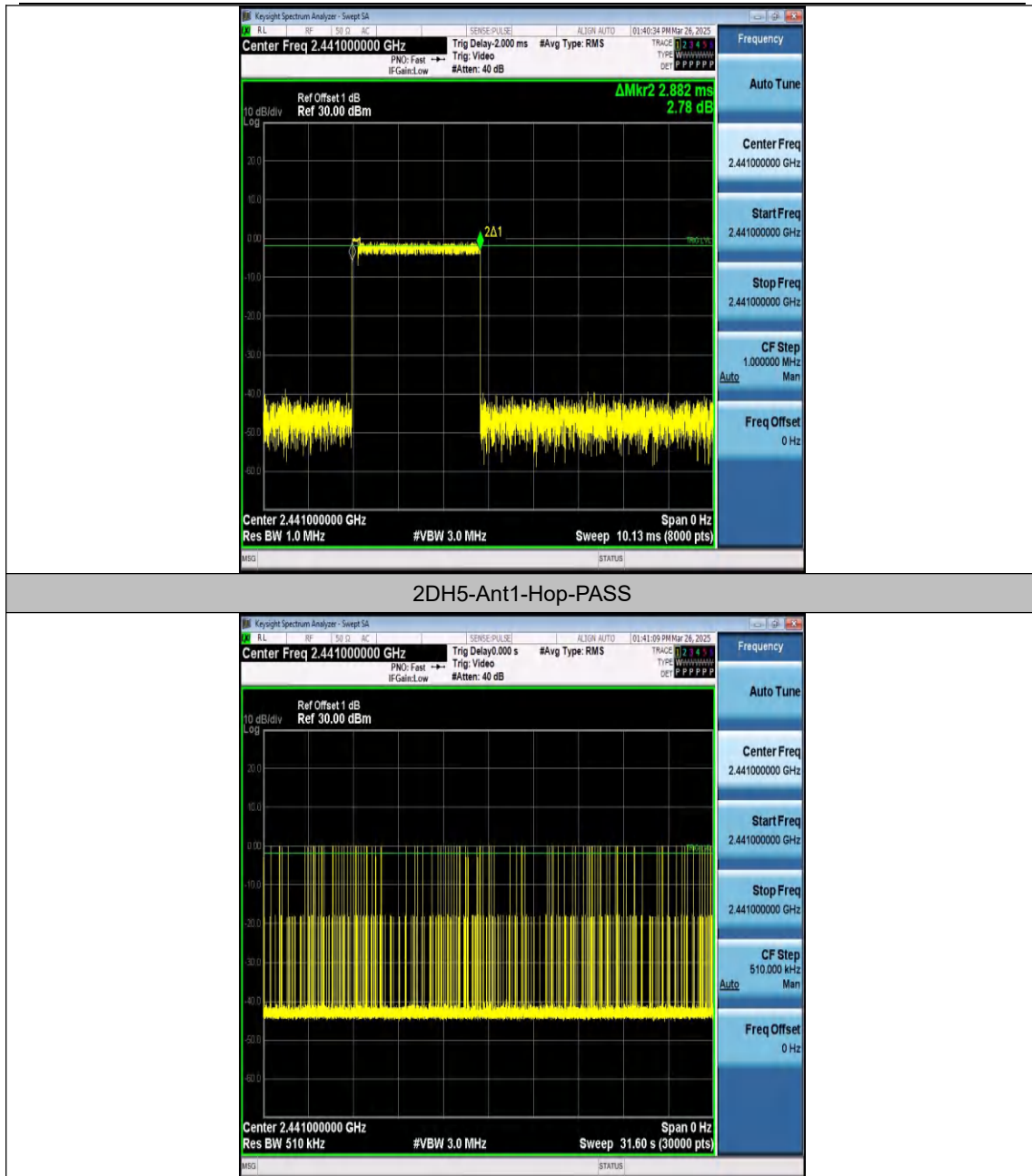


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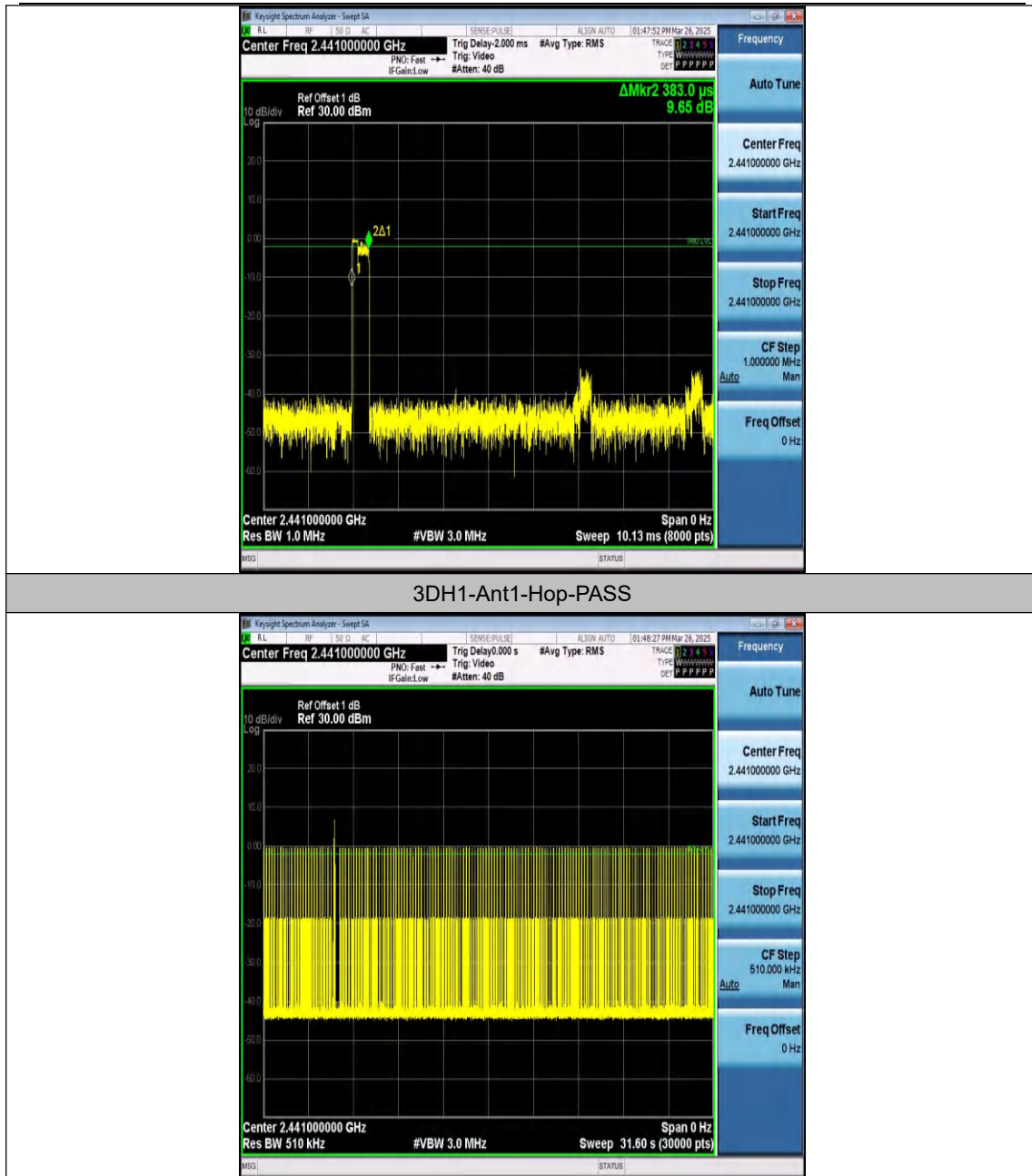
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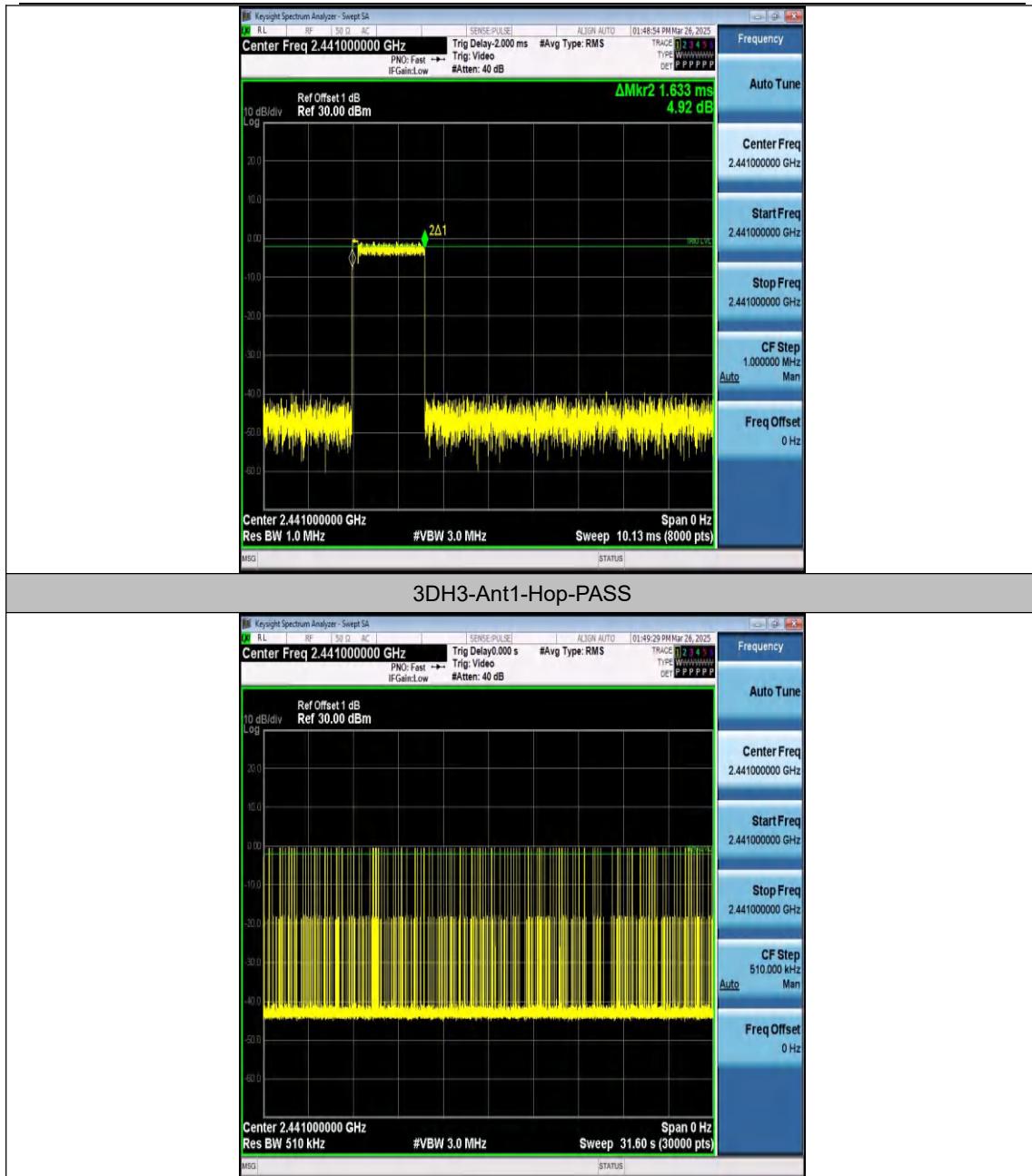
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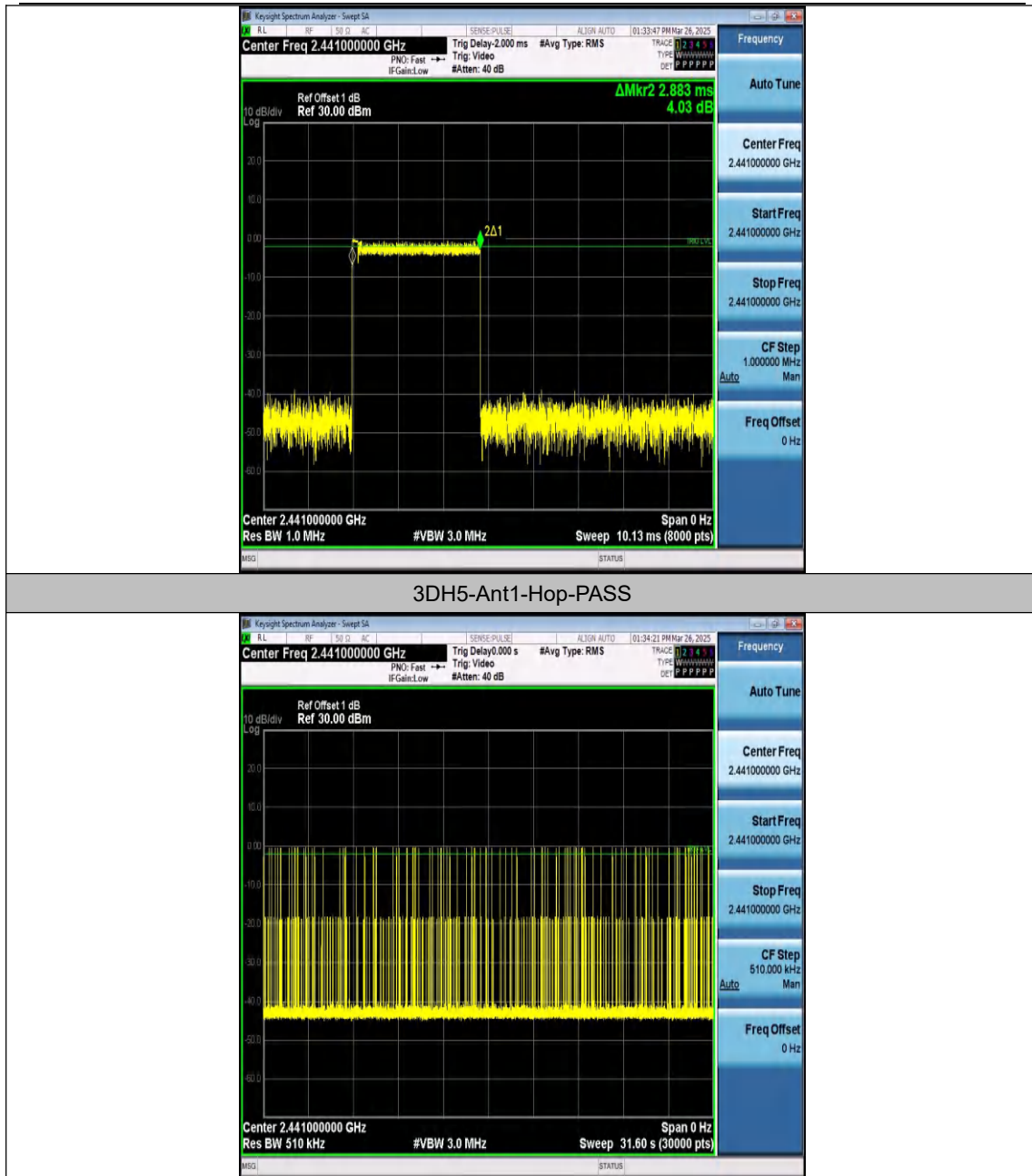
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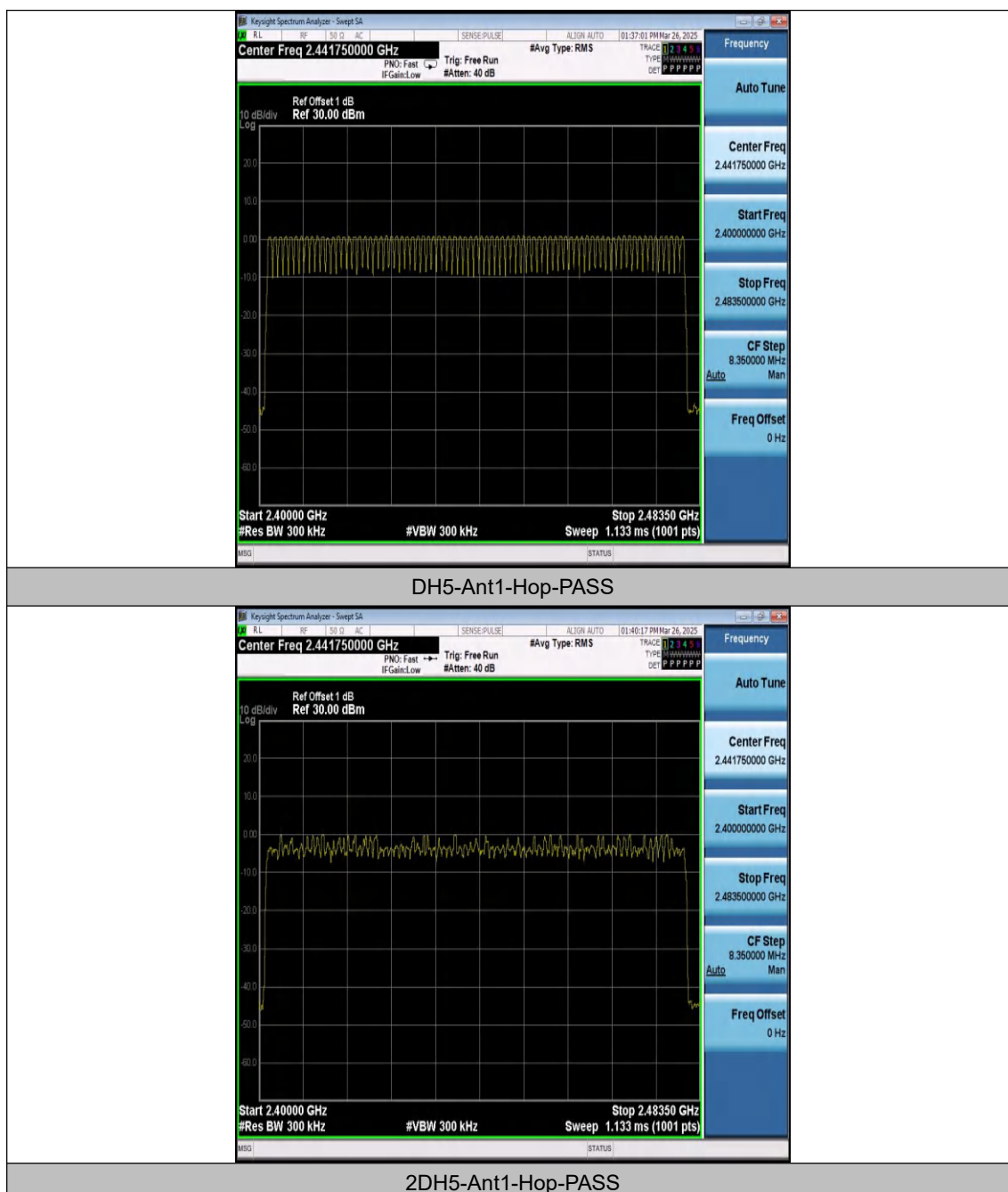
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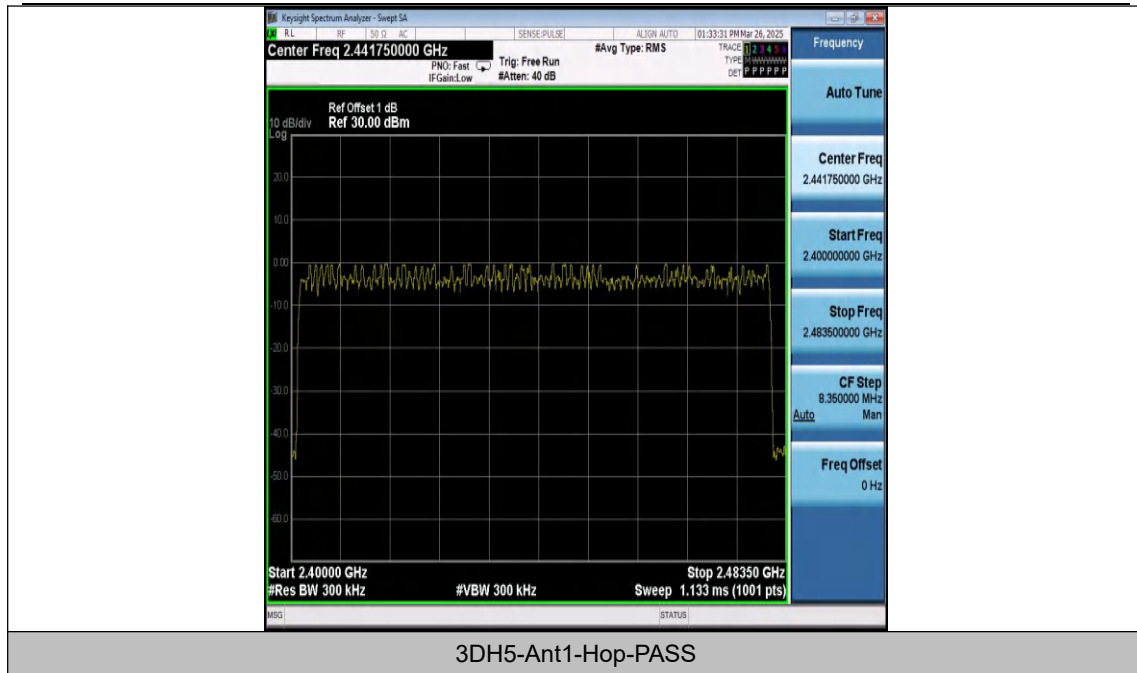
Appendix F: Number of Hopping Channel

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

Test Graphs





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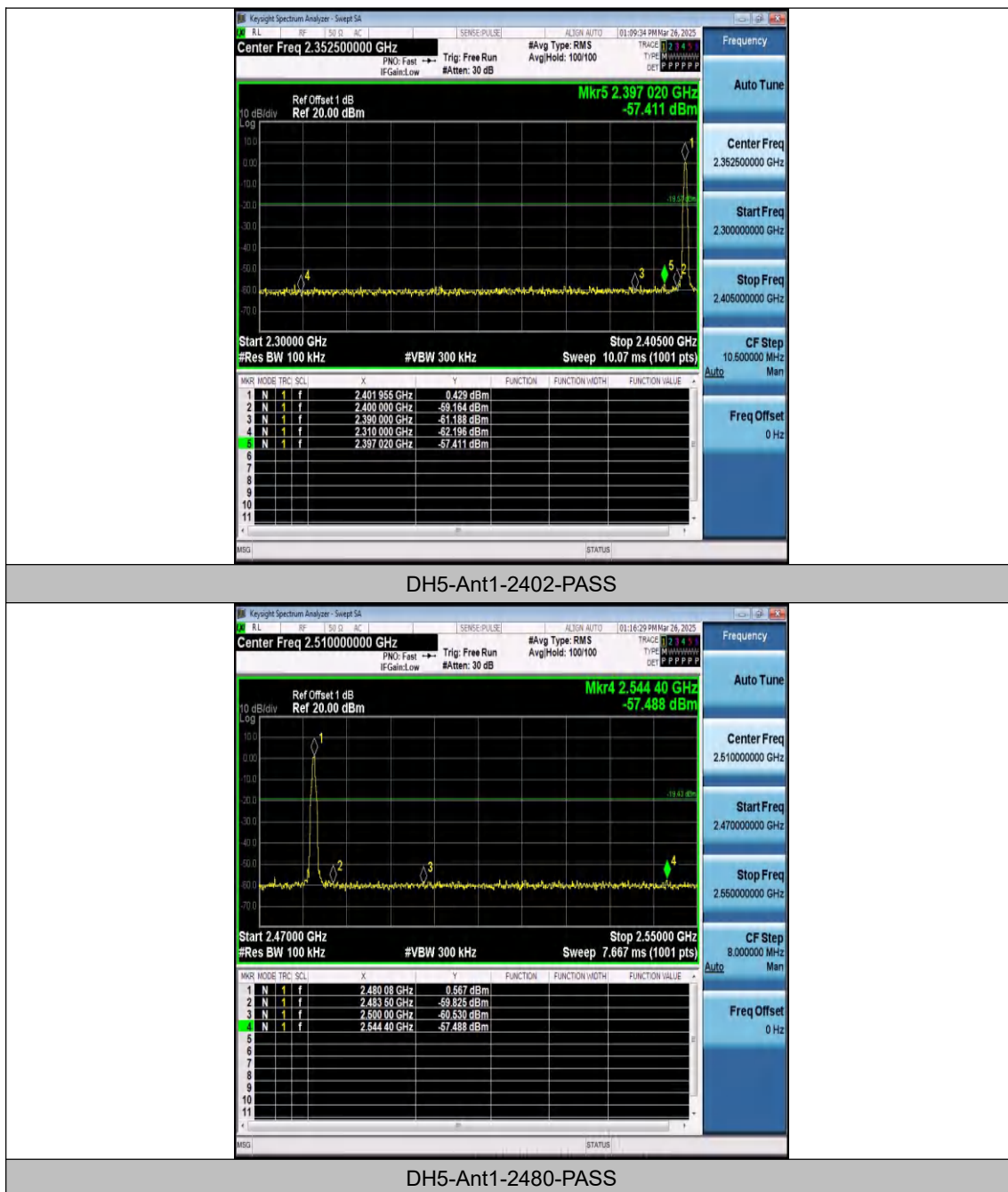
Appendix G: Conducted Band edge

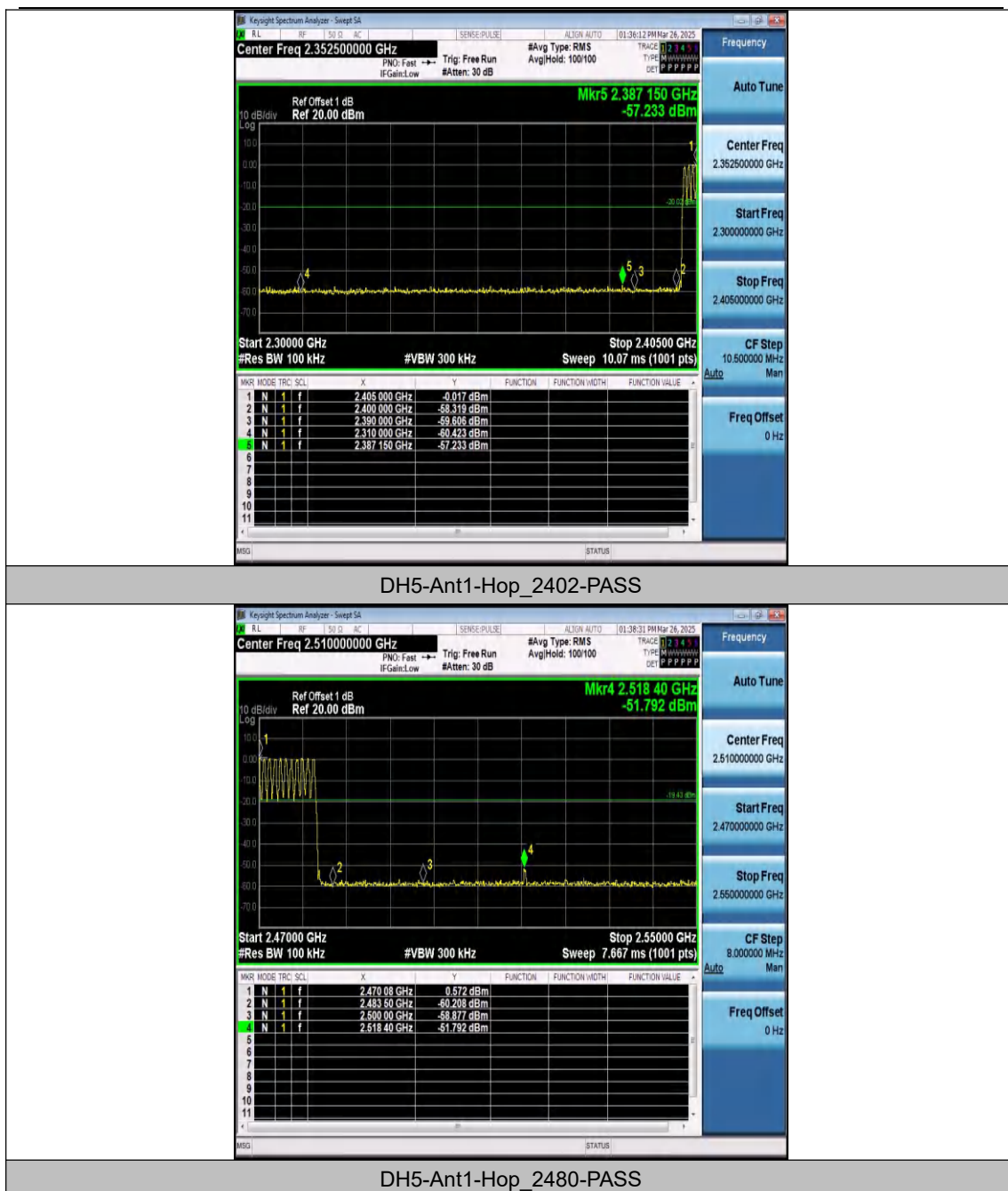
Test Result

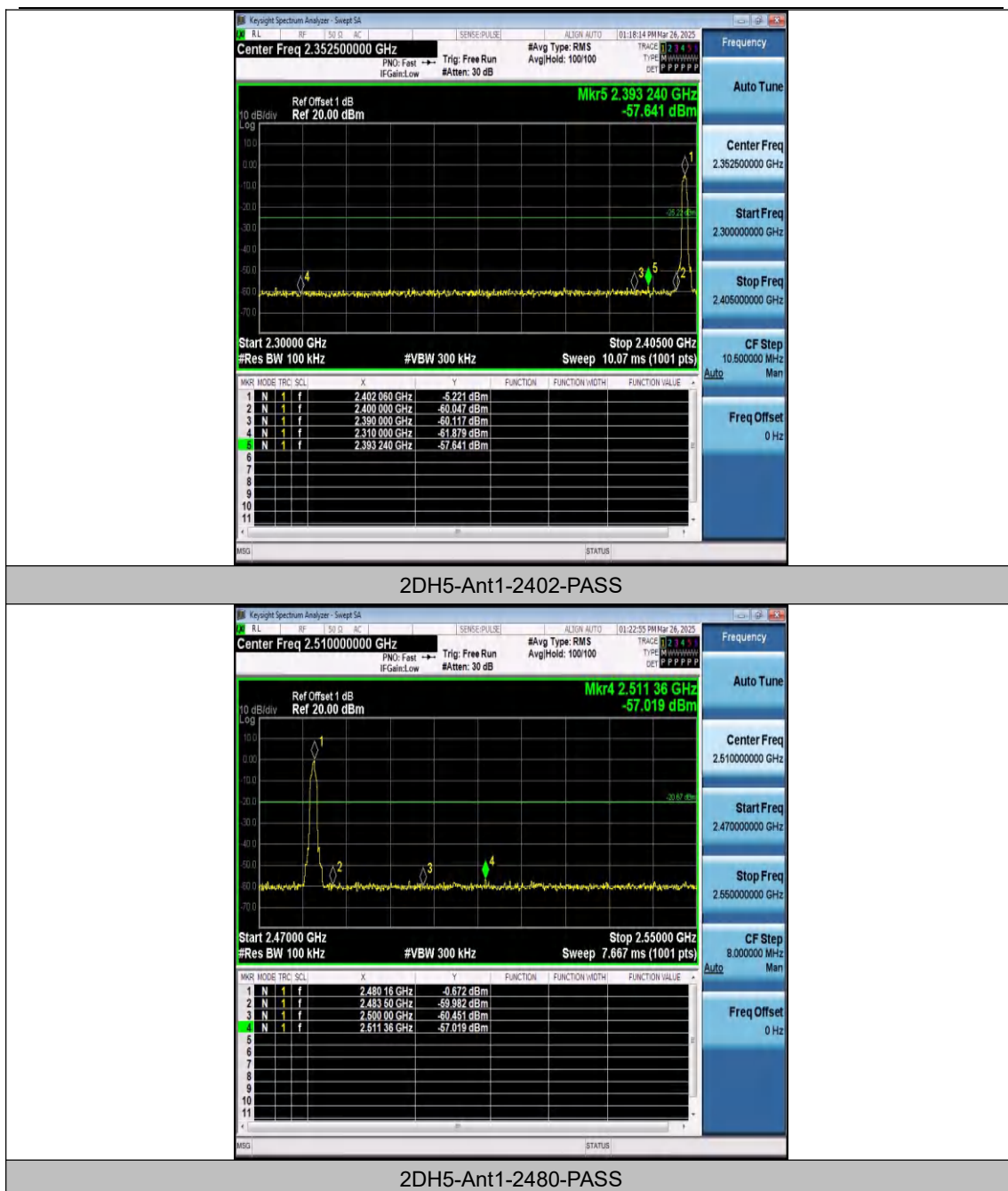
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.43	-57.41	≤-19.57	PASS
DH5	Ant1	High	2480	0.57	-57.49	≤-19.43	PASS
DH5	Ant1	Low	Hop_2402	-0.02	-57.23	≤-20.02	PASS
DH5	Ant1	High	Hop_2480	0.57	-51.79	≤-19.43	PASS
2DH5	Ant1	Low	2402	-5.22	-57.64	≤-25.22	PASS
2DH5	Ant1	High	2480	-0.67	-57.02	≤-20.67	PASS
2DH5	Ant1	Low	Hop_2402	-7.03	-58.26	≤-27.03	PASS
2DH5	Ant1	High	Hop_2480	-2.10	-56.84	≤-22.1	PASS
3DH5	Ant1	Low	2402	-2.96	-57.01	≤-22.96	PASS
3DH5	Ant1	High	2480	-1.80	-56.83	≤-21.8	PASS
3DH5	Ant1	Low	Hop_2402	-6.95	-57.97	≤-26.95	PASS
3DH5	Ant1	High	Hop_2480	-1.03	-40.92	≤-21.03	PASS

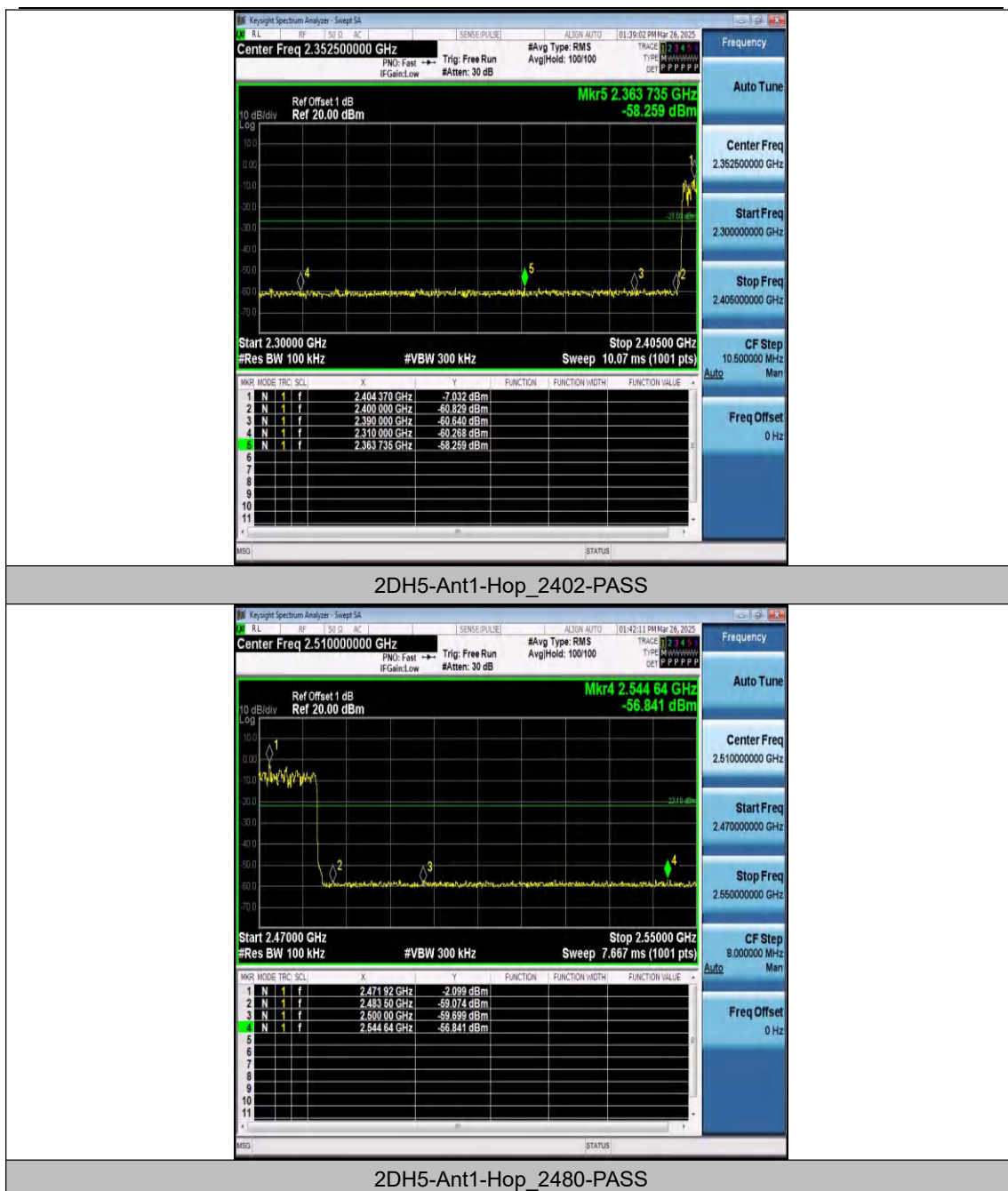


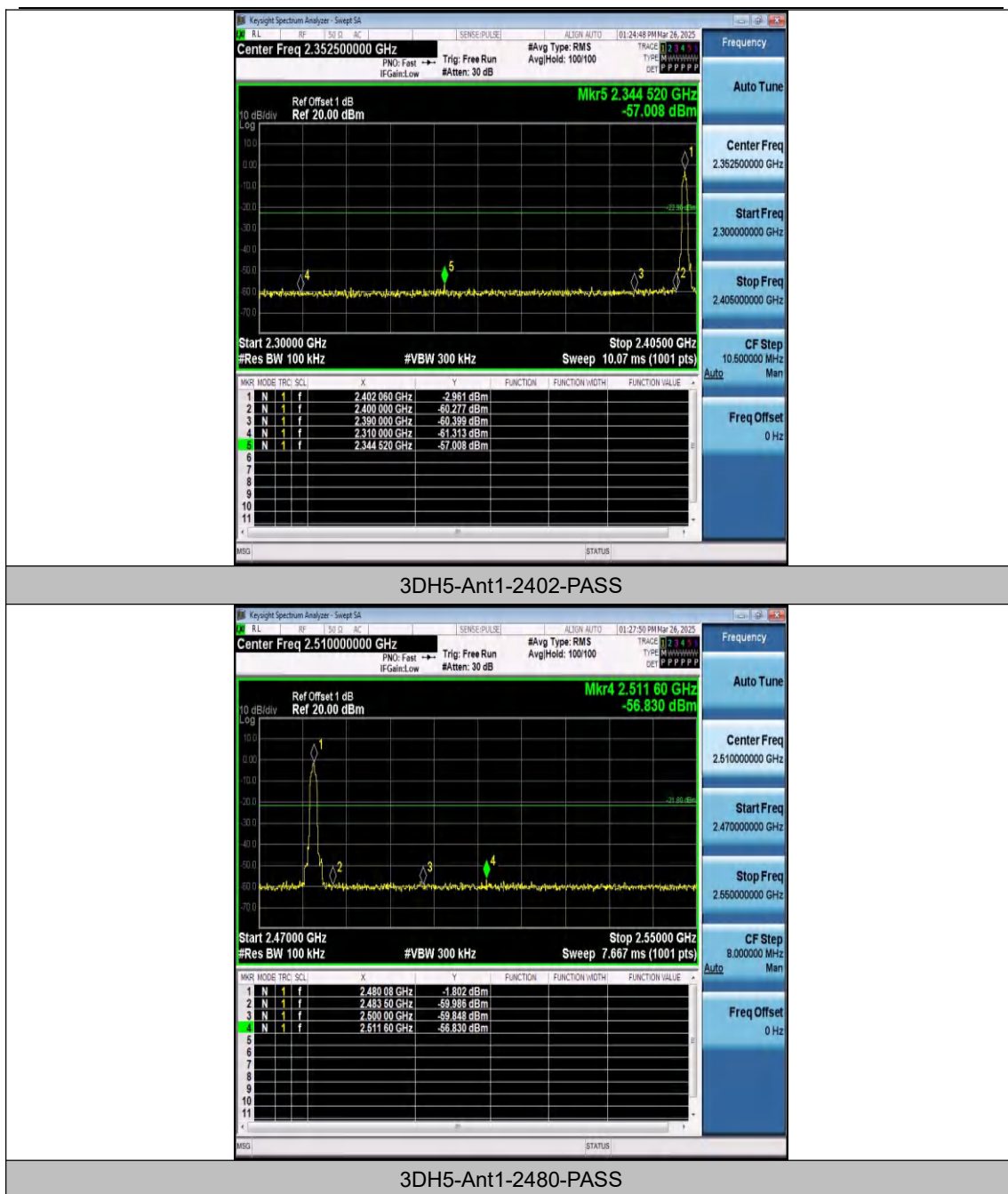
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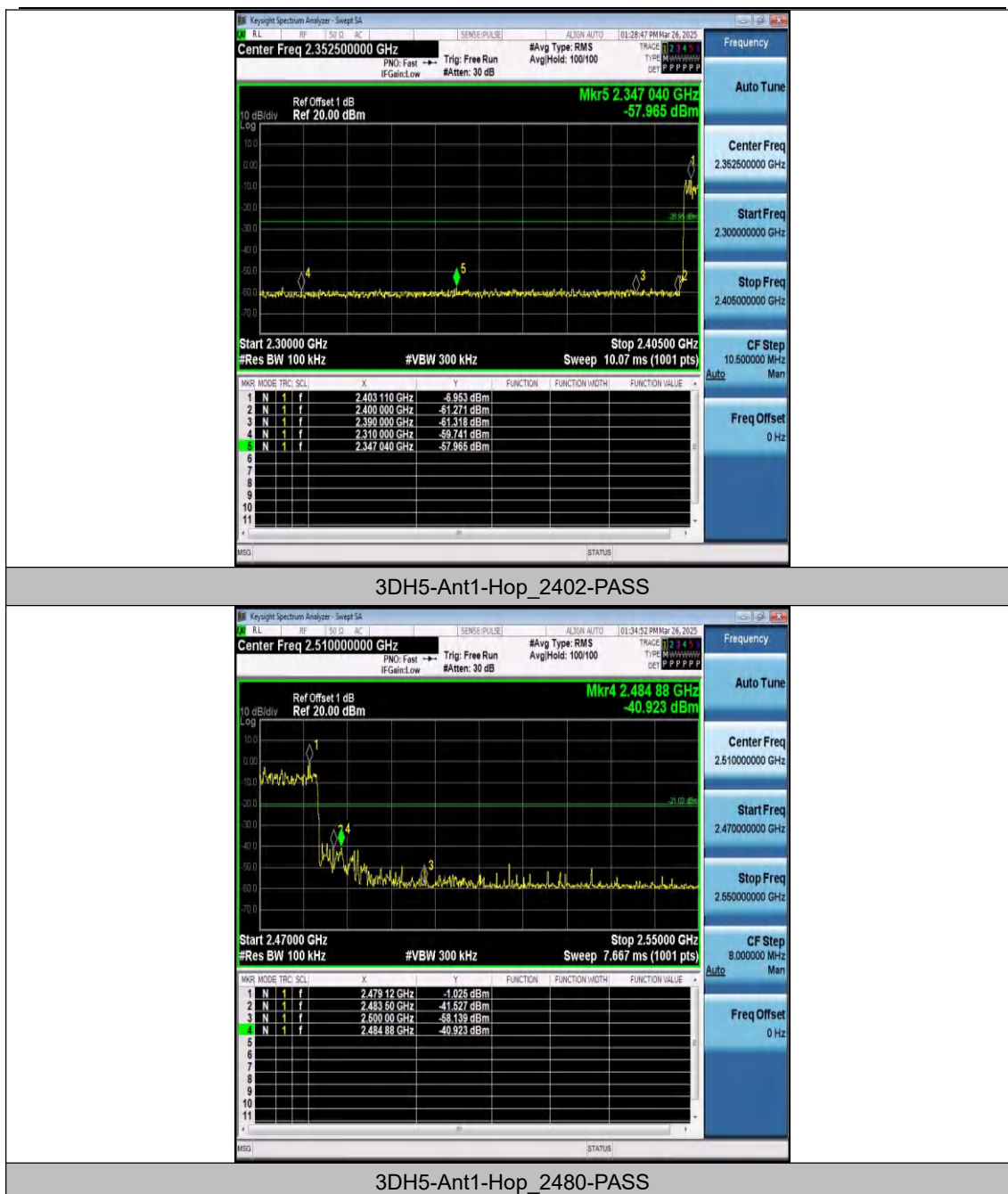










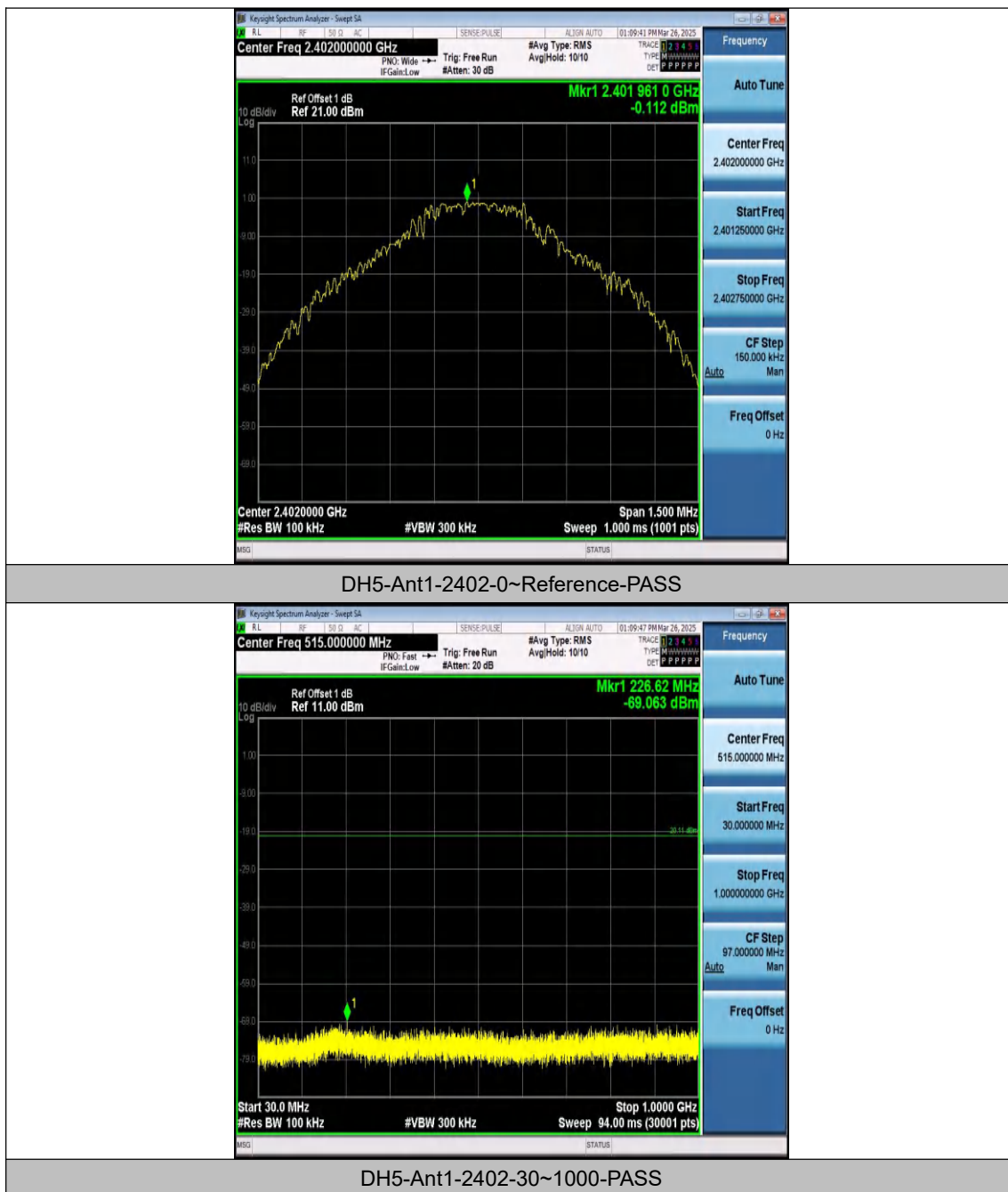


Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.11	-0.11	---	PASS
DH5	Ant1	2402	30~1000	-0.11	-69.06	≤-20.11	PASS
DH5	Ant1	2402	1000~26500	-0.11	-54.09	≤-20.11	PASS
DH5	Ant1	2441	0~Reference	0.28	0.28	---	PASS
DH5	Ant1	2441	30~1000	0.28	-69.2	≤-19.72	PASS
DH5	Ant1	2441	1000~26500	0.28	-53.28	≤-19.72	PASS
DH5	Ant1	2480	0~Reference	0.29	0.29	---	PASS
DH5	Ant1	2480	30~1000	0.29	-69.55	≤-19.71	PASS
DH5	Ant1	2480	1000~26500	0.29	-53.23	≤-19.71	PASS
2DH5	Ant1	2402	0~Reference	-1.01	-1.01	---	PASS
2DH5	Ant1	2402	30~1000	-1.01	-68.89	≤-21.01	PASS
2DH5	Ant1	2402	1000~26500	-1.01	-53.45	≤-21.01	PASS
2DH5	Ant1	2441	0~Reference	-3.34	-3.34	---	PASS
2DH5	Ant1	2441	30~1000	-3.34	-68.96	≤-23.34	PASS
2DH5	Ant1	2441	1000~26500	-3.34	-53.51	≤-23.34	PASS
2DH5	Ant1	2480	0~Reference	-1.28	-1.28	---	PASS
2DH5	Ant1	2480	30~1000	-1.28	-68.37	≤-21.28	PASS
2DH5	Ant1	2480	1000~26500	-1.28	-53.29	≤-21.28	PASS
3DH5	Ant1	2402	0~Reference	-5.90	-5.90	---	PASS
3DH5	Ant1	2402	30~1000	-5.90	-63.1	≤-25.9	PASS
3DH5	Ant1	2402	1000~26500	-5.90	-53.58	≤-25.9	PASS
3DH5	Ant1	2441	0~Reference	-3.70	-3.70	---	PASS
3DH5	Ant1	2441	30~1000	-3.70	-69.15	≤-23.7	PASS
3DH5	Ant1	2441	1000~26500	-3.70	-53.49	≤-23.7	PASS
3DH5	Ant1	2480	0~Reference	-2.02	-2.02	---	PASS
3DH5	Ant1	2480	30~1000	-2.02	-69.23	≤-22.02	PASS
3DH5	Ant1	2480	1000~26500	-2.02	-53.91	≤-22.02	PASS

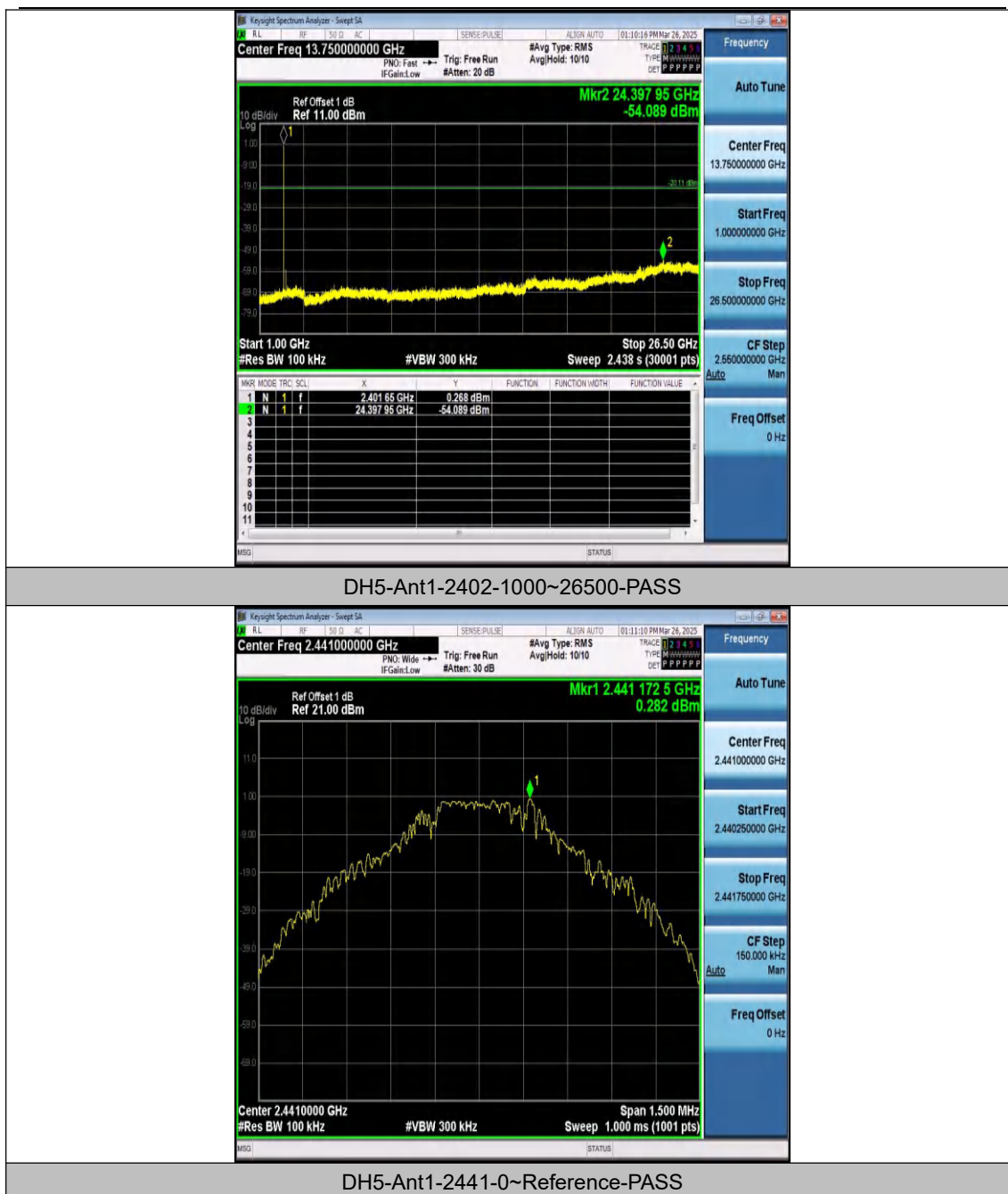
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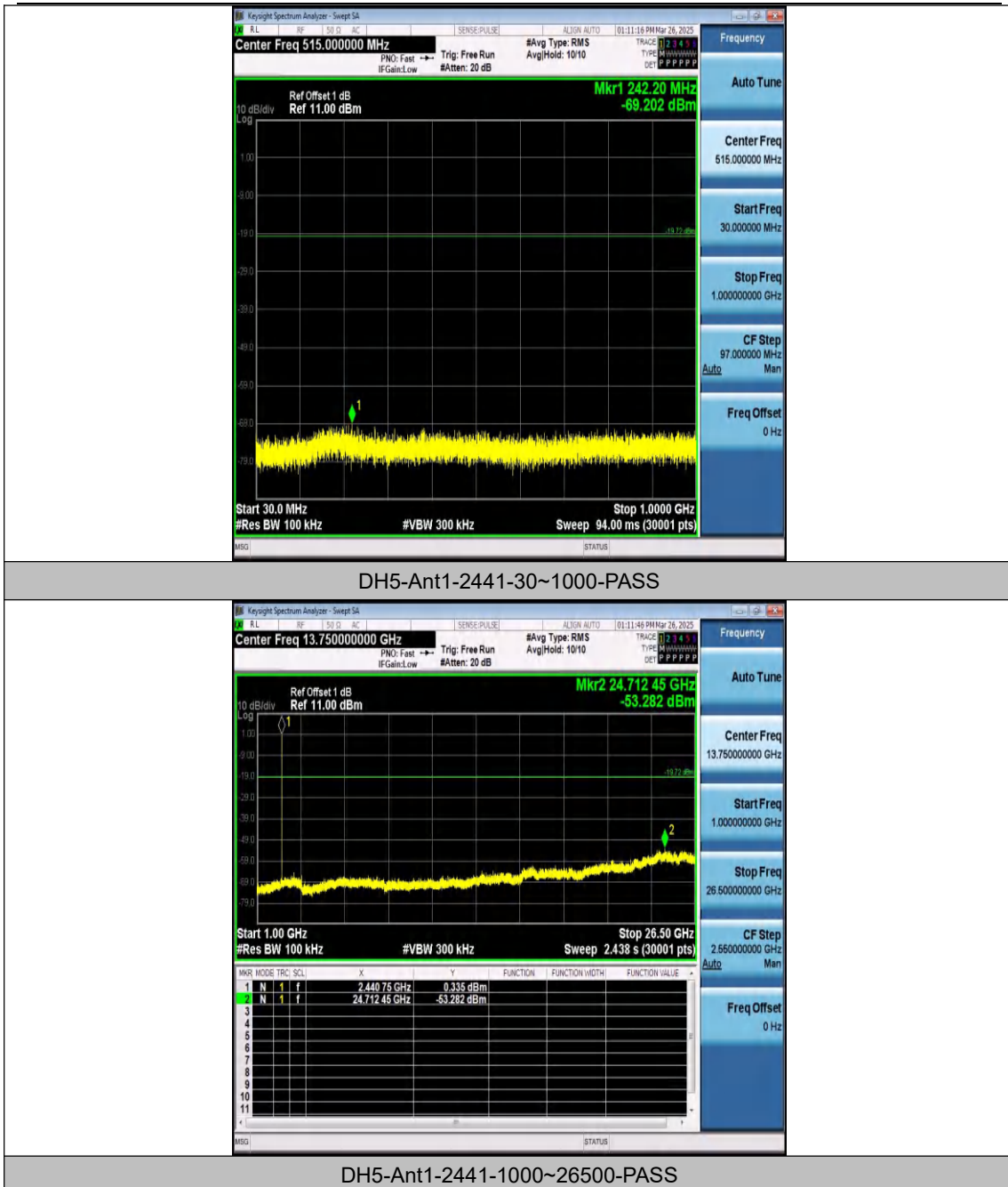


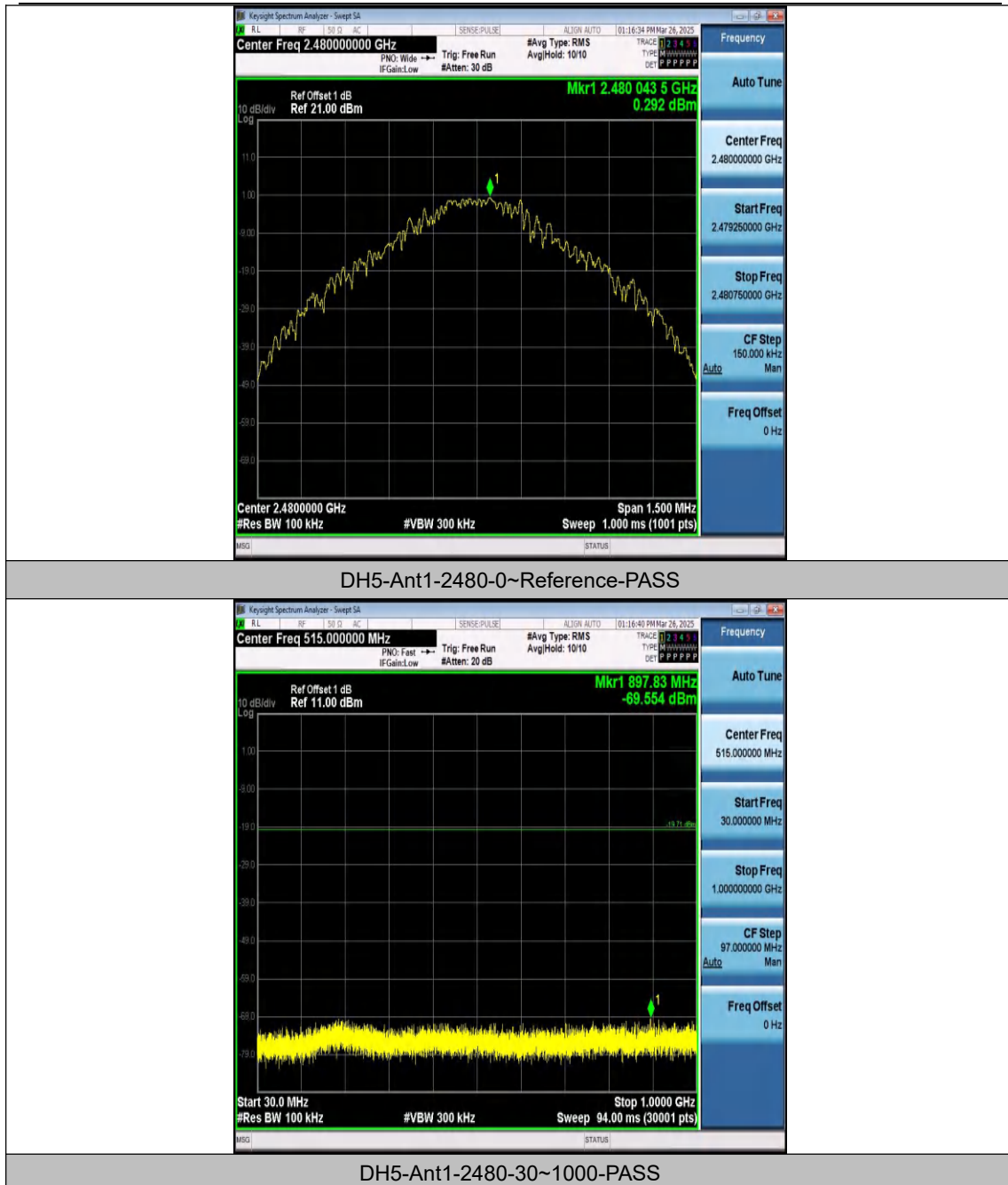
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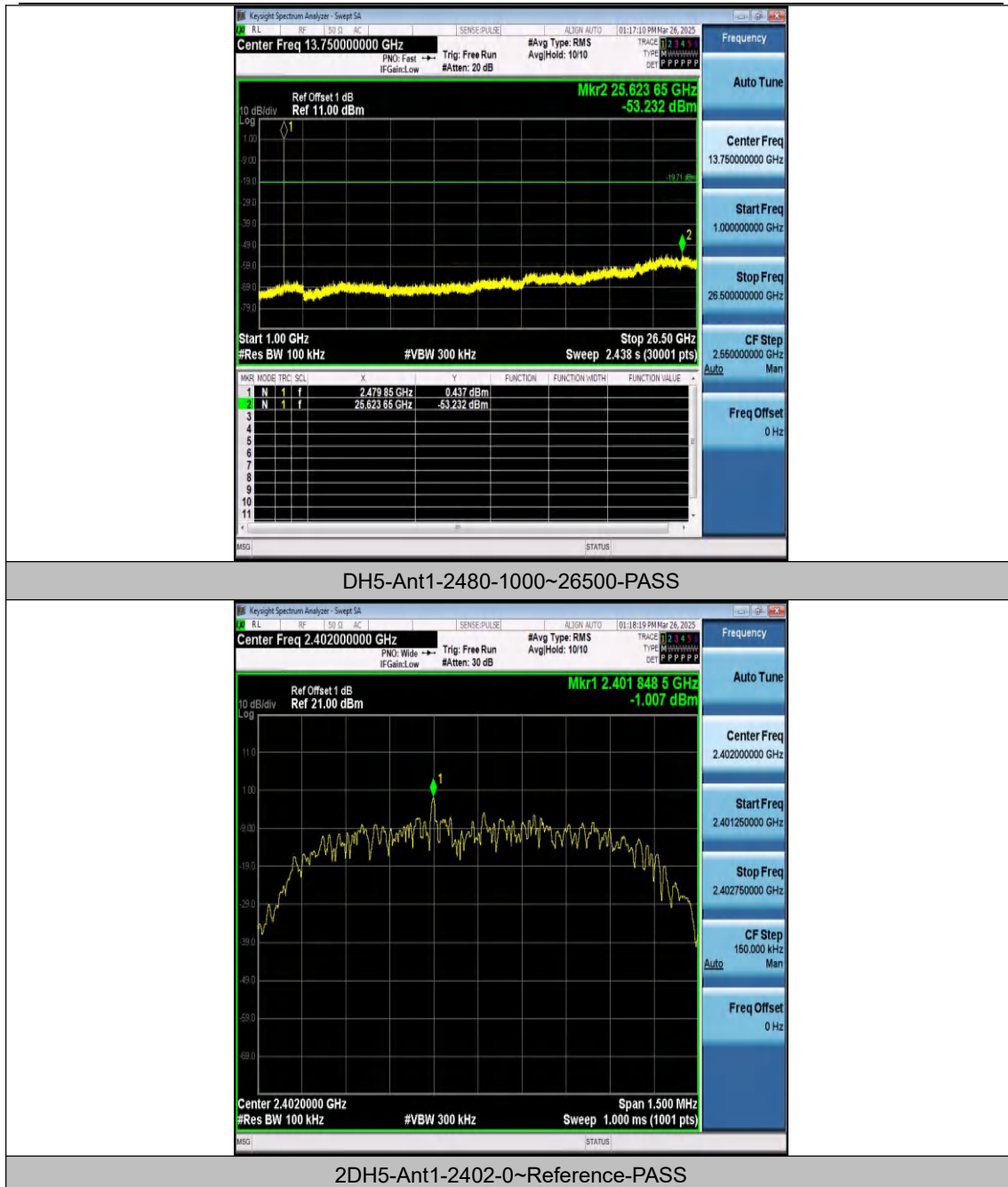


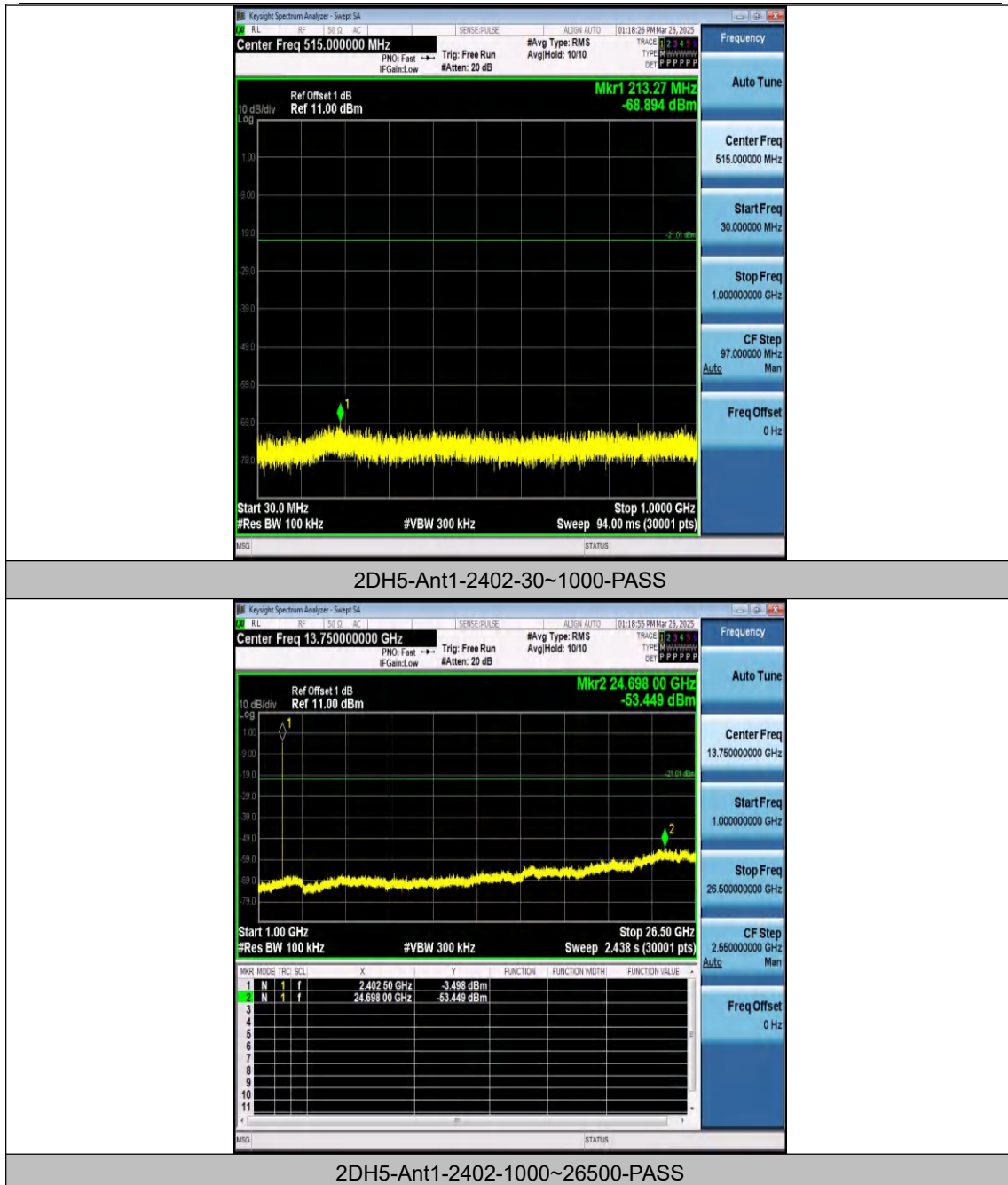


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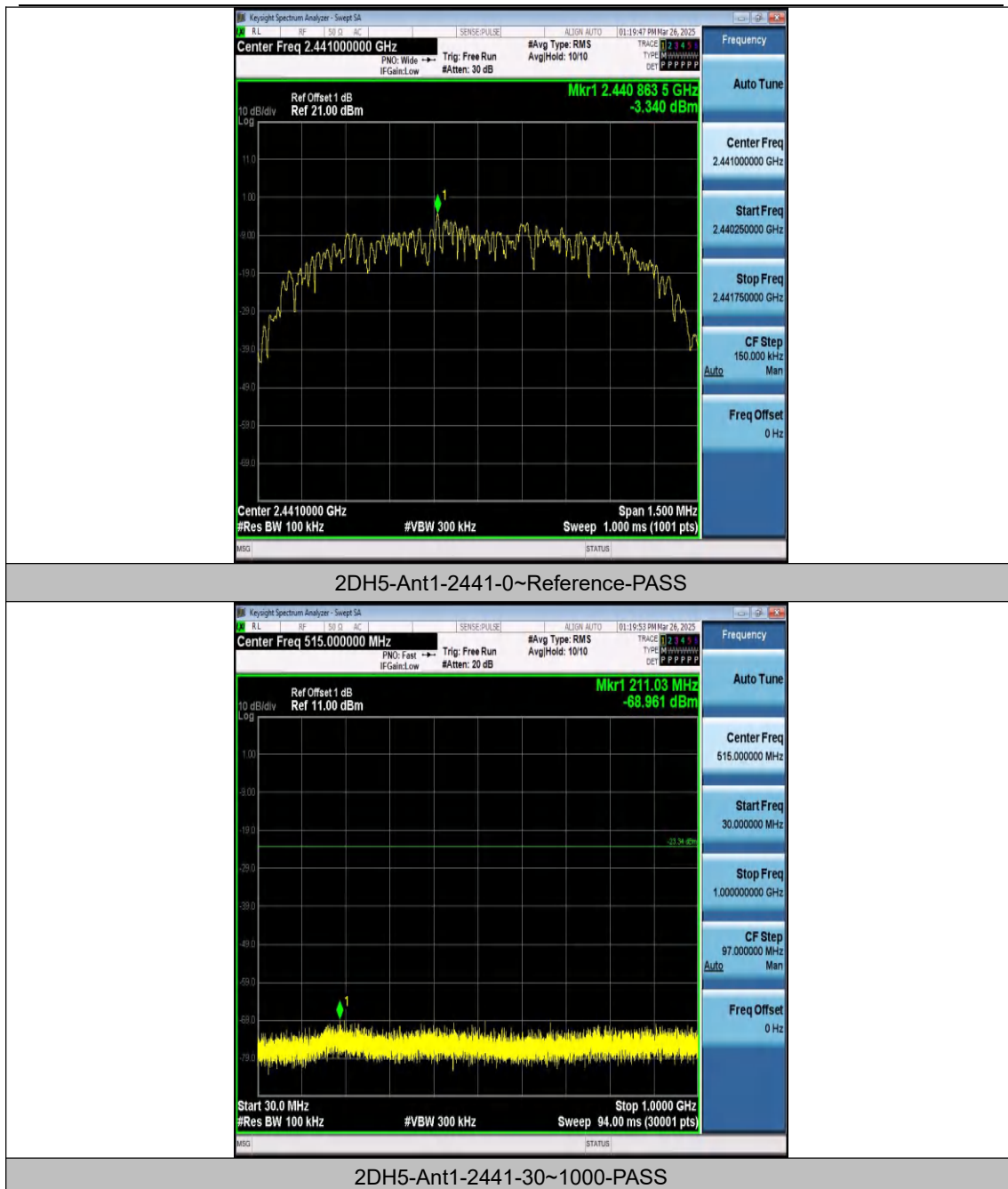




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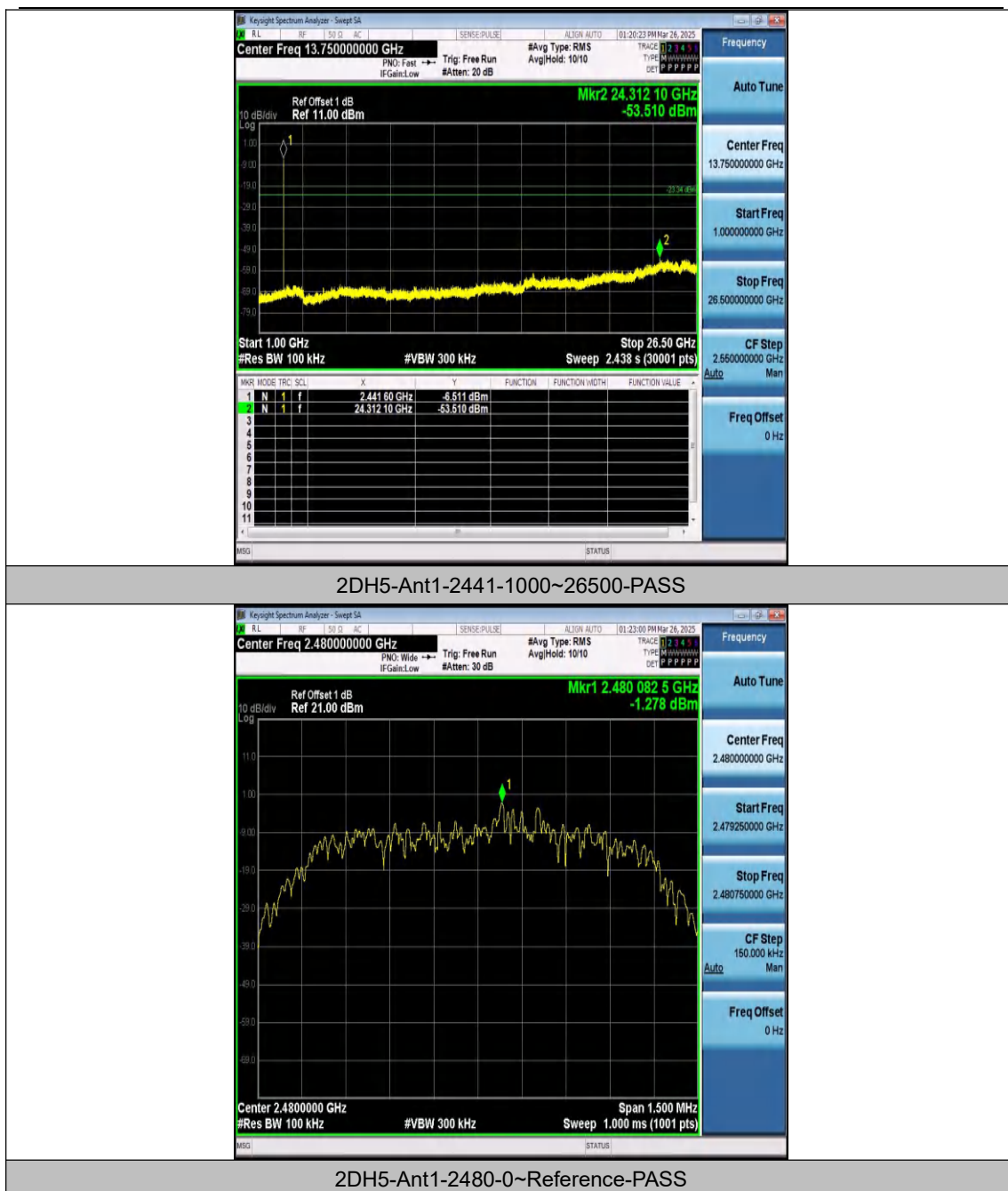


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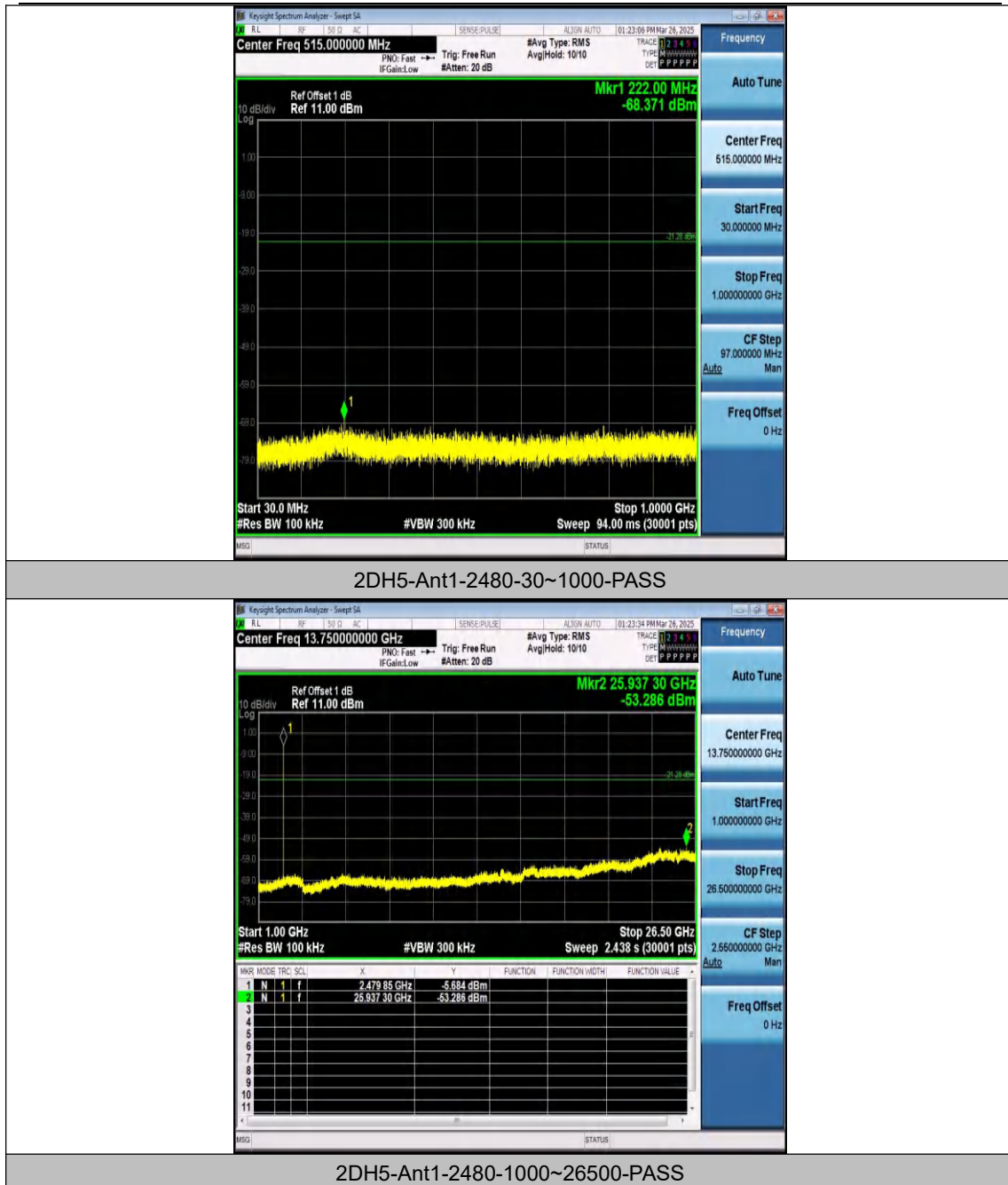
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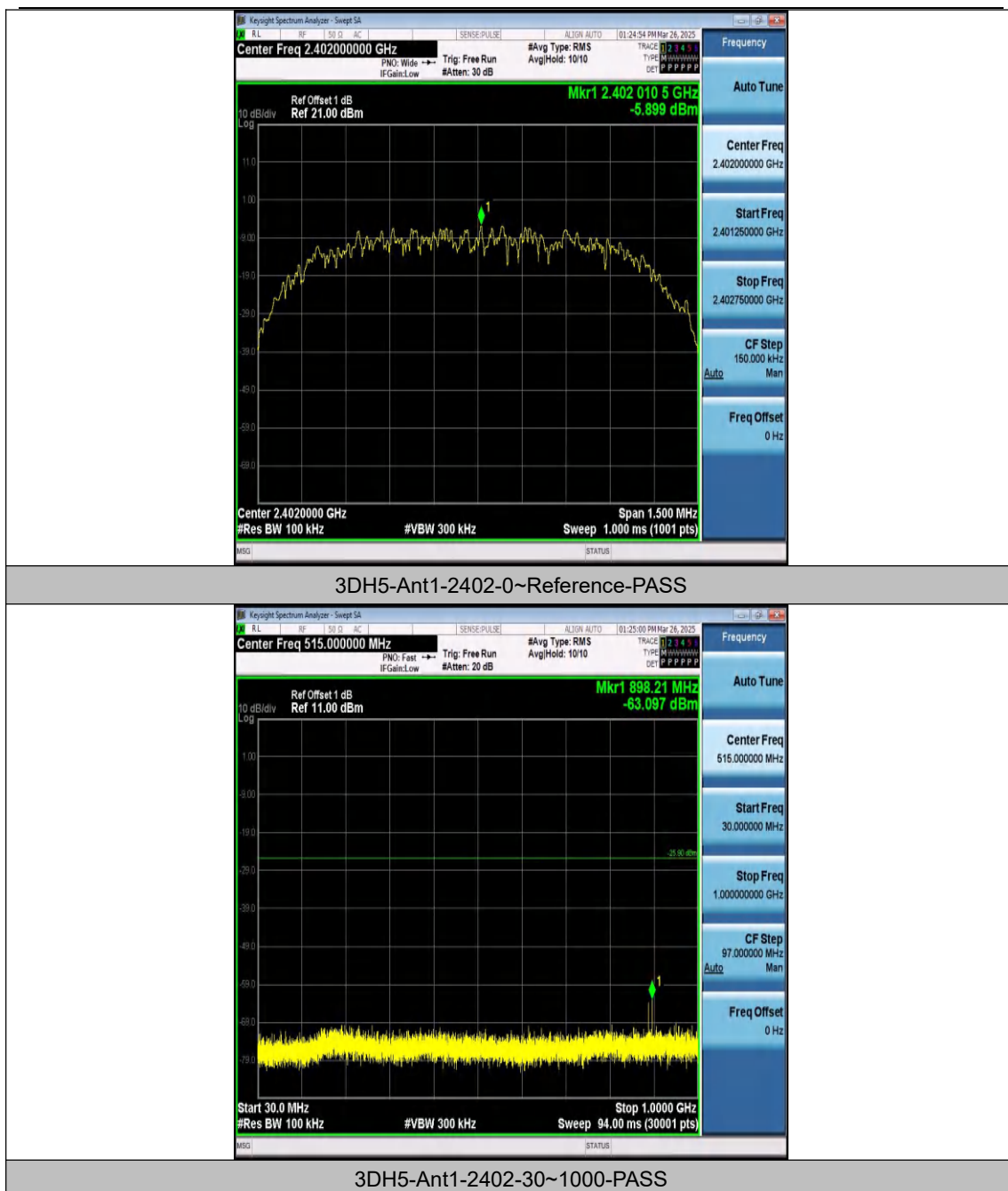


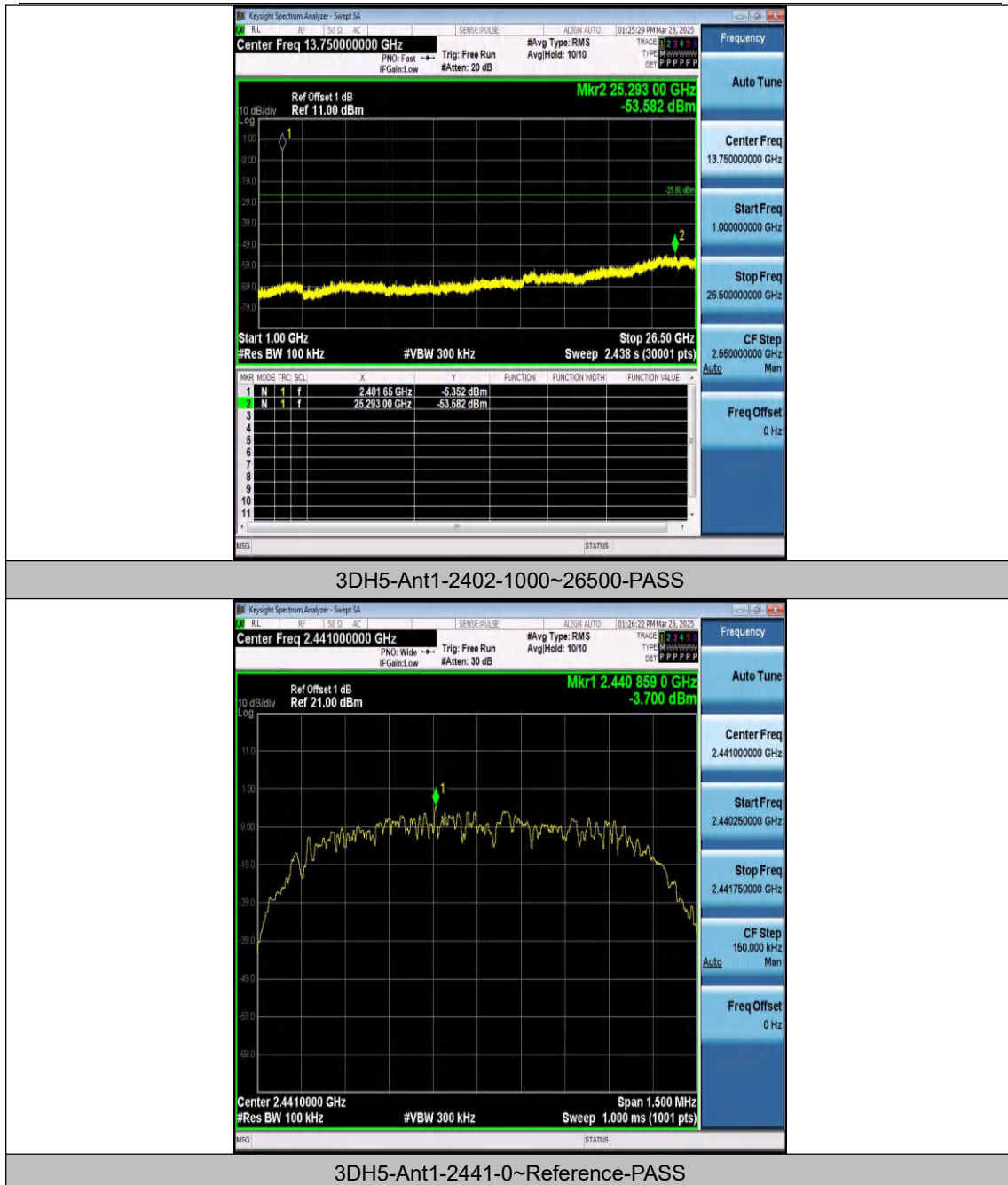
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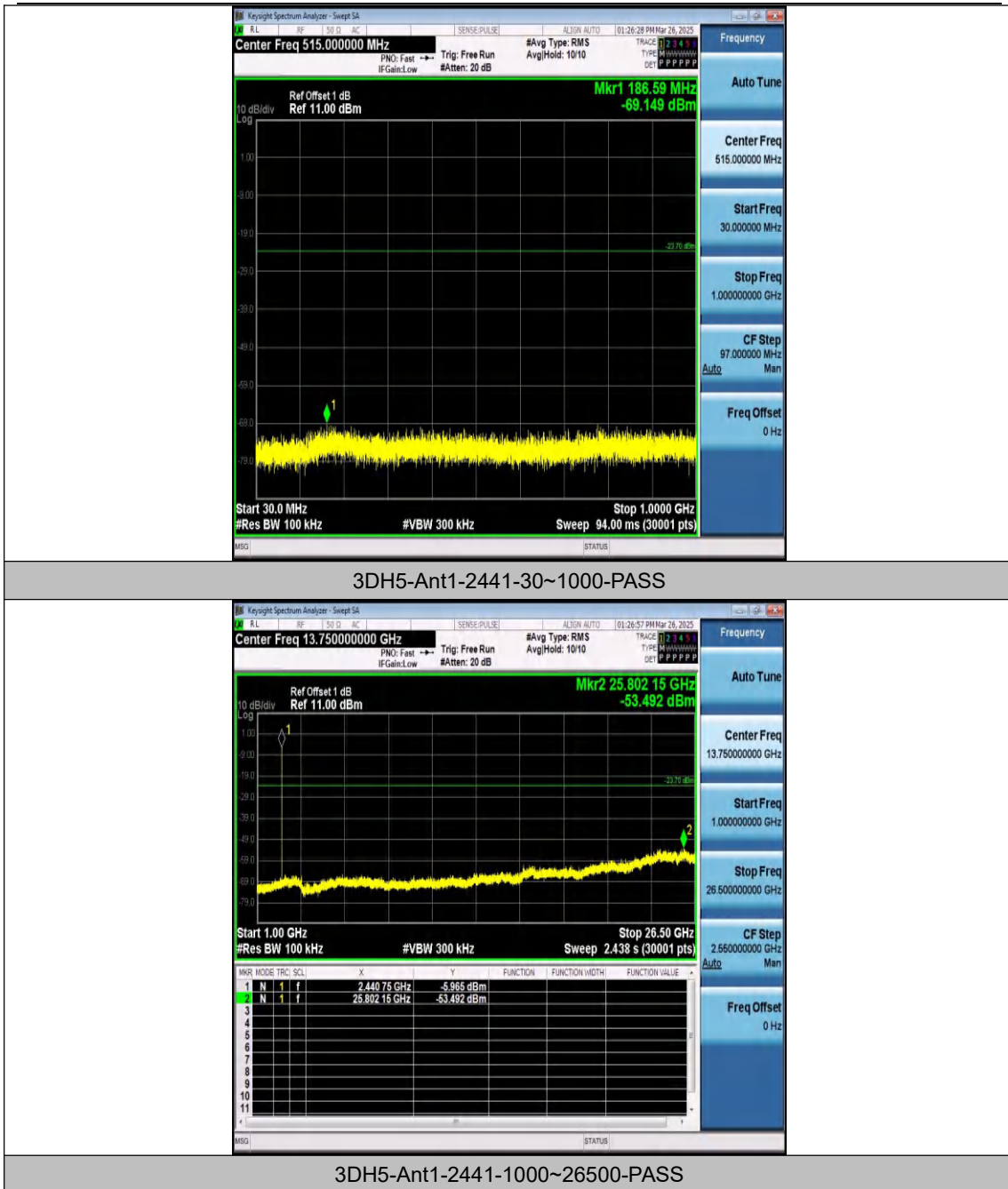


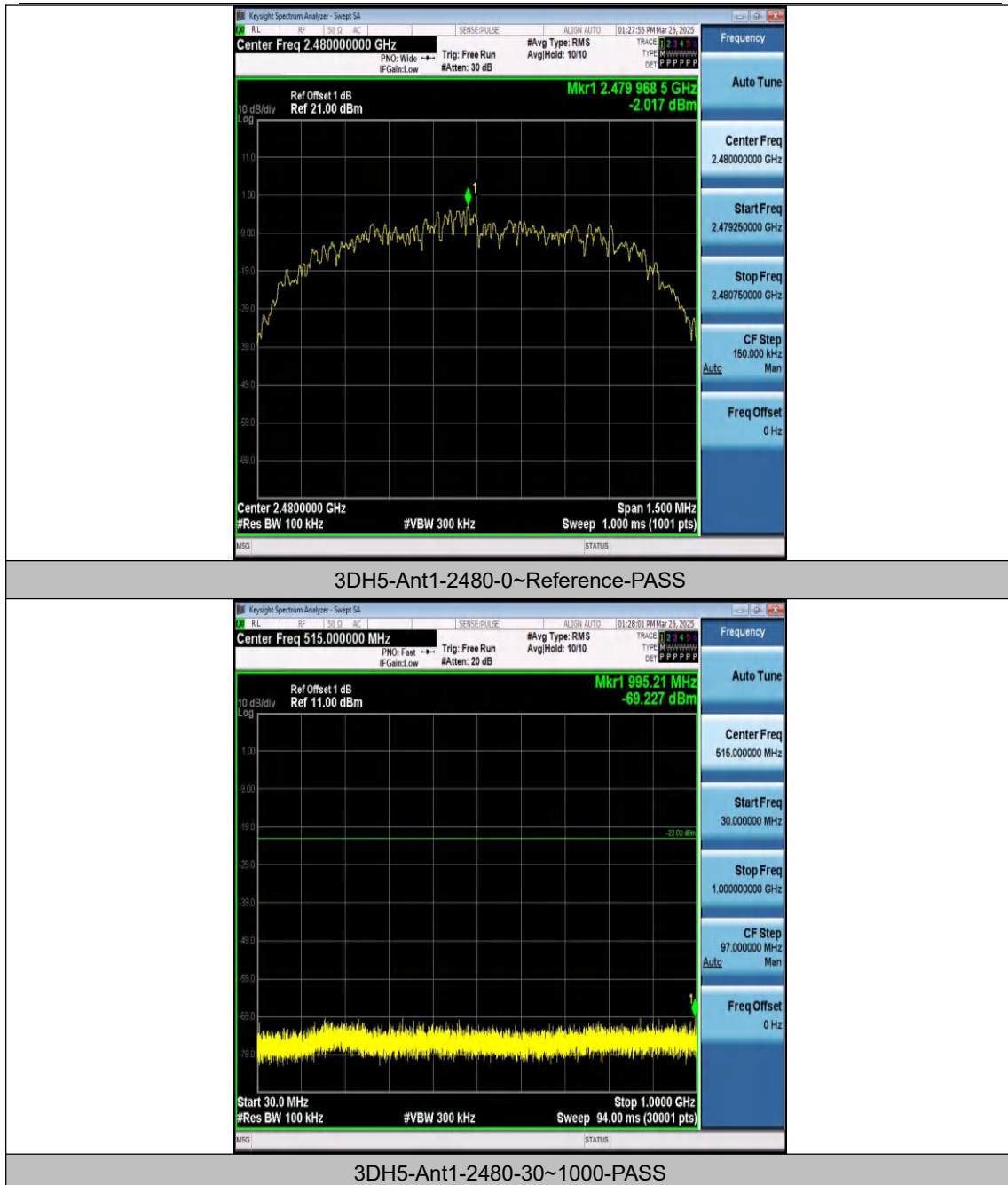


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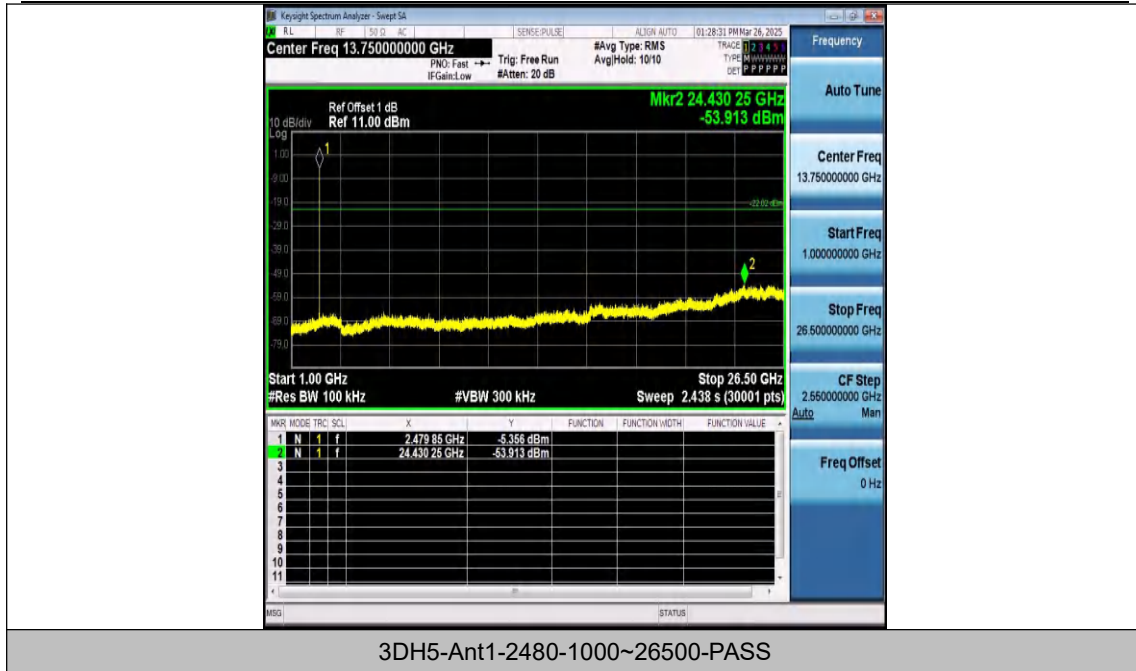




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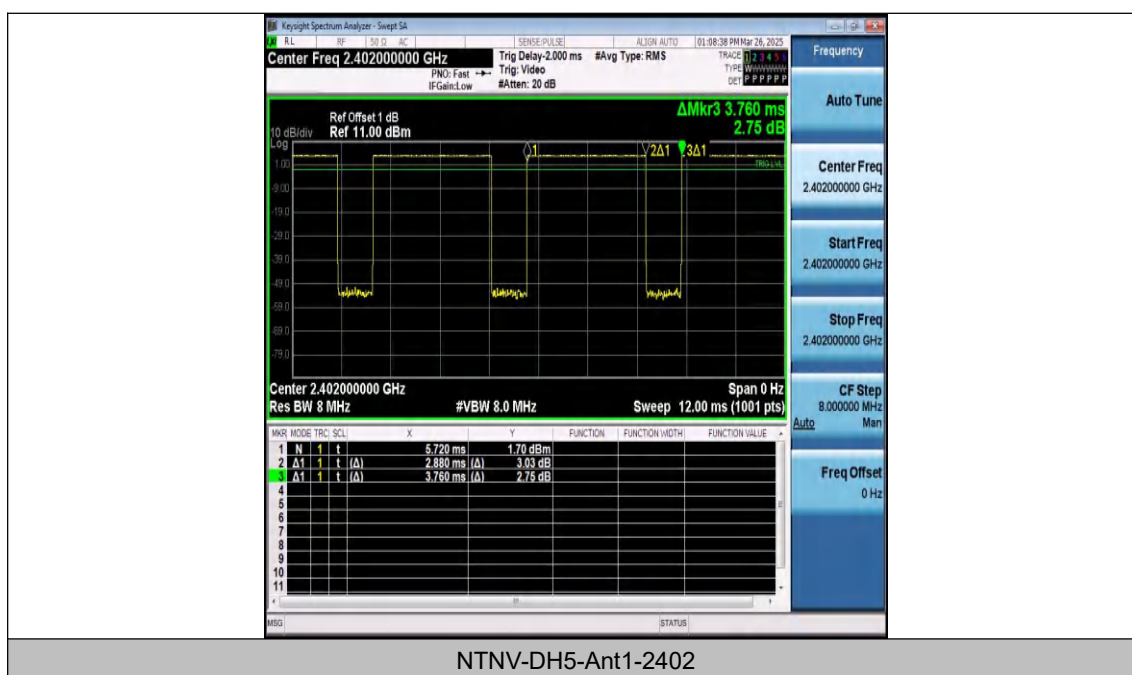
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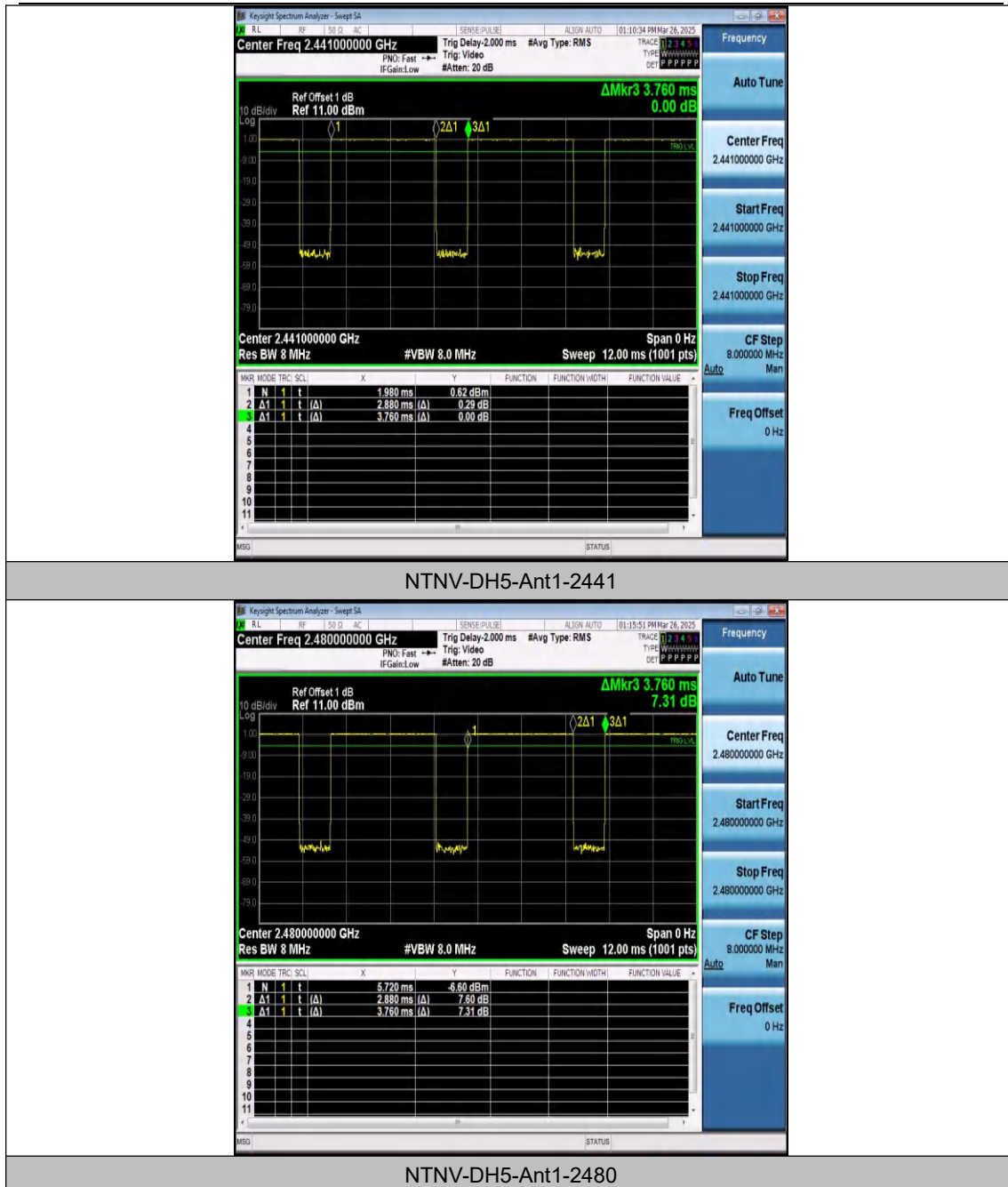
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.76	76.60	1.16
DH5	Ant1	2441	2.88	3.76	76.60	1.16
DH5	Ant1	2480	2.88	3.76	76.60	1.16
2DH5	Ant1	2402	1.52	3.75	40.53	3.92
2DH5	Ant1	2441	1.53	3.76	40.69	3.91
2DH5	Ant1	2480	1.53	3.76	40.69	3.91
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs

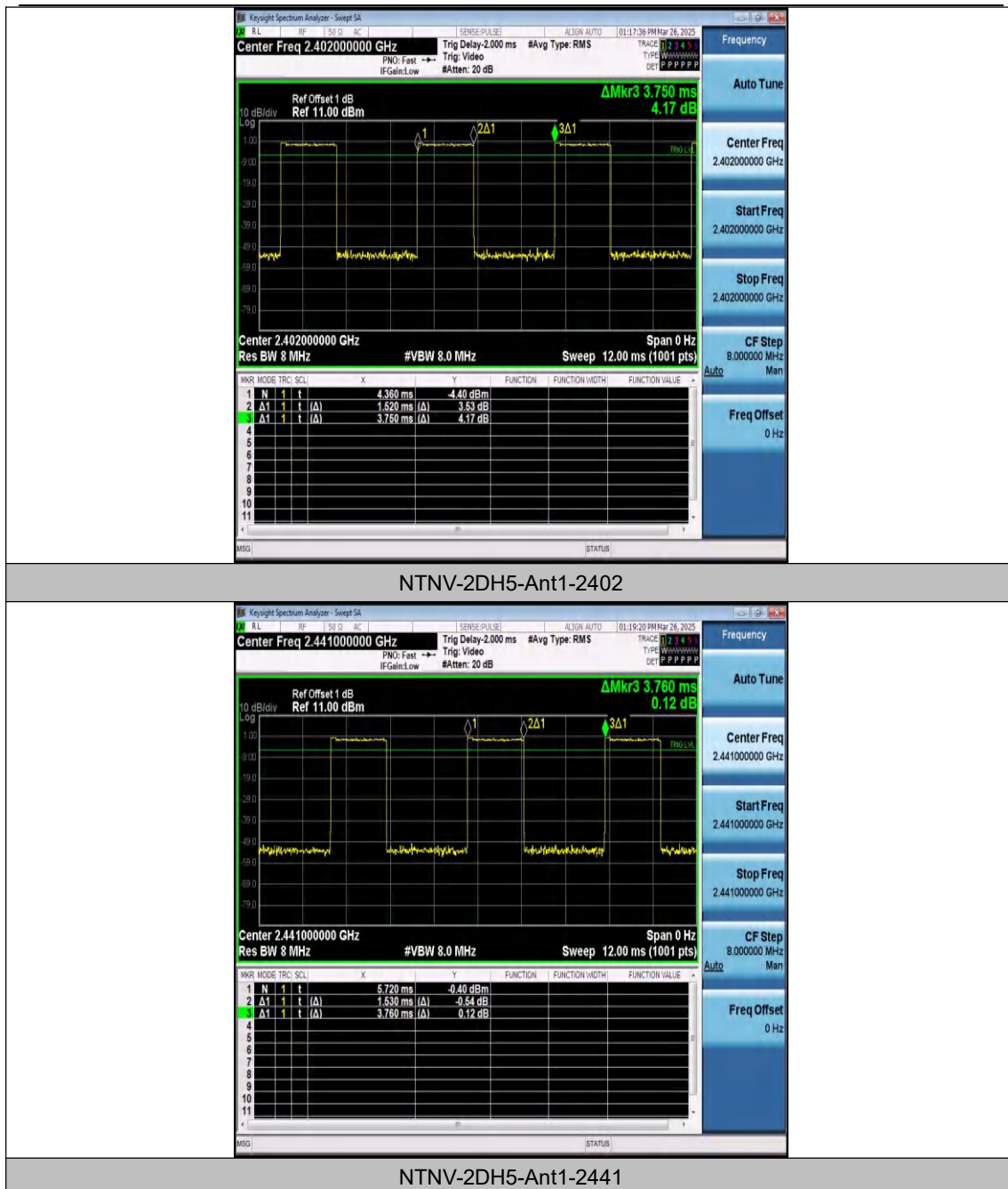


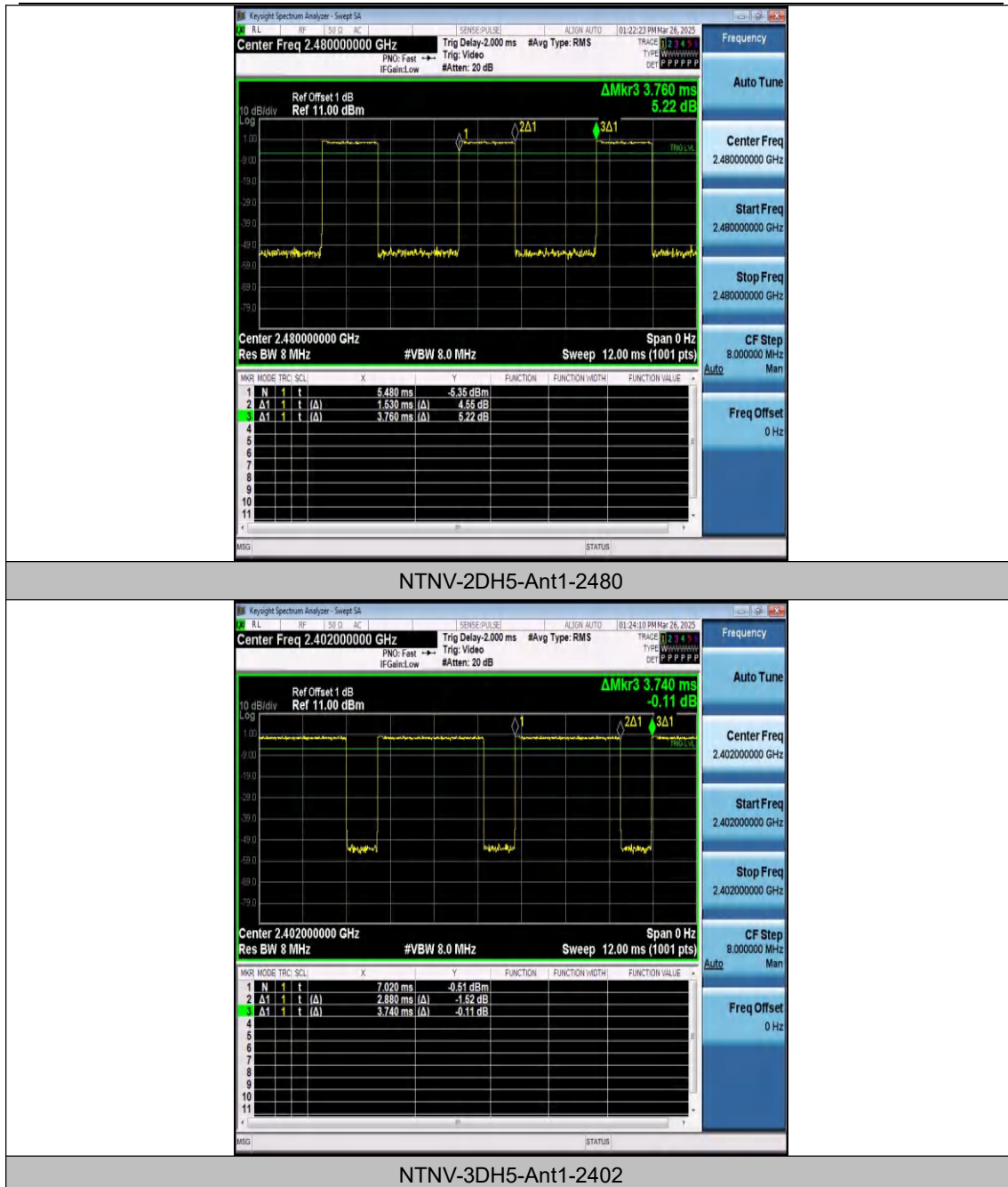


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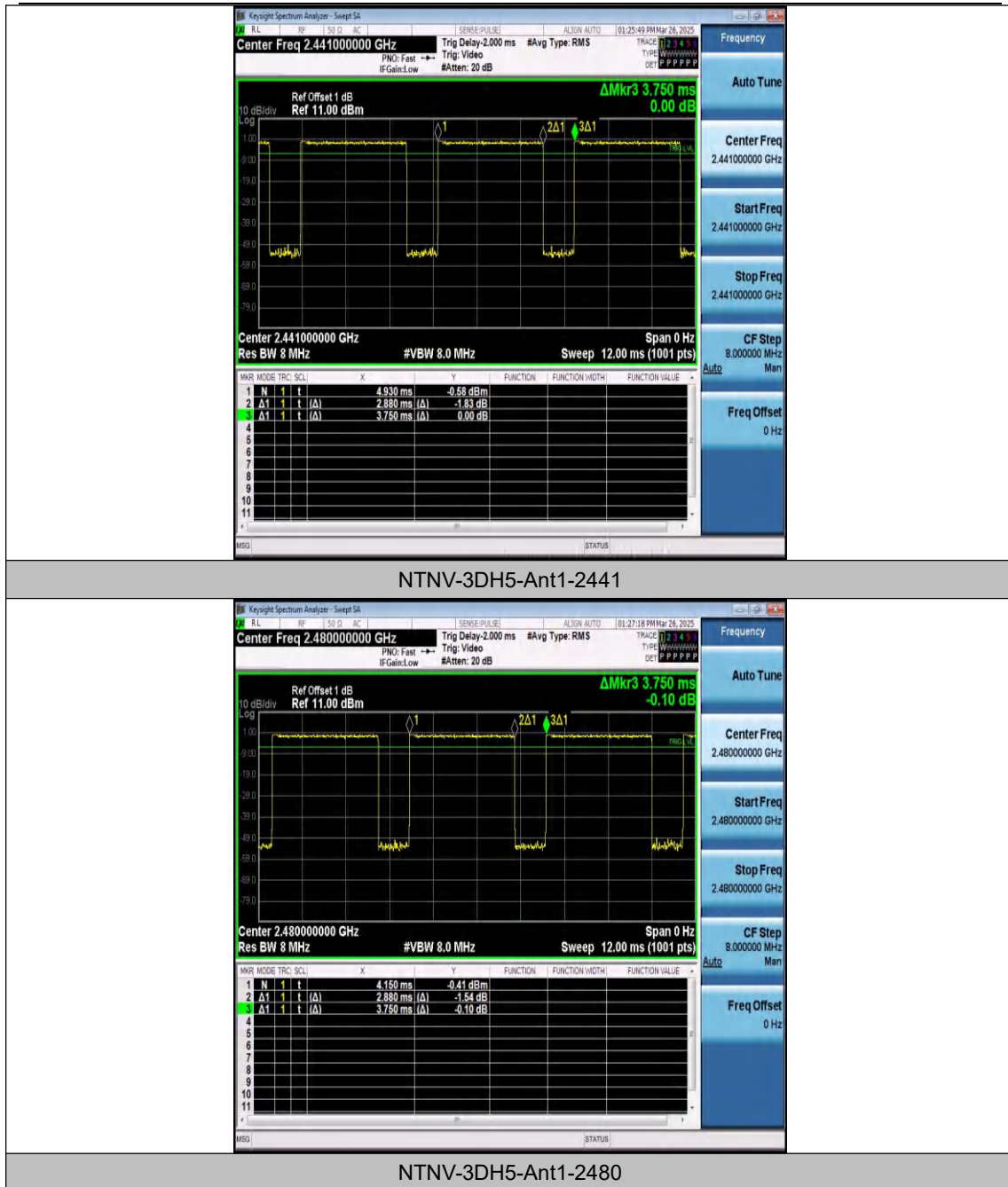




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