

Appendix Test Data

Report No.:	1819C50033712501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.12	Finish Test Date:	2025.04.17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	63%
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	2401.544	2402.498	---	---
DH5	Ant1	2441	0.945	2440.550	2441.495	---	---
DH5	Ant1	2480	0.942	2479.541	2480.483	---	---
2DH5	Ant1	2402	1.224	2401.388	2402.612	---	---
2DH5	Ant1	2441	1.215	2440.400	2441.615	---	---
2DH5	Ant1	2480	1.200	2479.403	2480.603	---	---
3DH5	Ant1	2402	1.266	2401.367	2402.633	---	---
3DH5	Ant1	2441	1.203	2440.415	2441.618	---	---
3DH5	Ant1	2480	1.197	2479.421	2480.618	---	---

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	0.86732	2401.5757	2402.4430	---	---
DH5	Ant1	2441	0.86156	2440.5751	2441.4367	---	---
DH5	Ant1	2480	0.81521	2479.6078	2480.4230	---	---
2DH5	Ant1	2402	1.1588	2401.4276	2402.5864	---	---
2DH5	Ant1	2441	1.1743	2440.4187	2441.5930	---	---
2DH5	Ant1	2480	1.1530	2479.4287	2480.5817	---	---
3DH5	Ant1	2402	1.1555	2401.4319	2402.5874	---	---
3DH5	Ant1	2441	1.1608	2440.4284	2441.5892	---	---
3DH5	Ant1	2480	1.1352	2479.4431	2480.5783	---	---

Test Graphs



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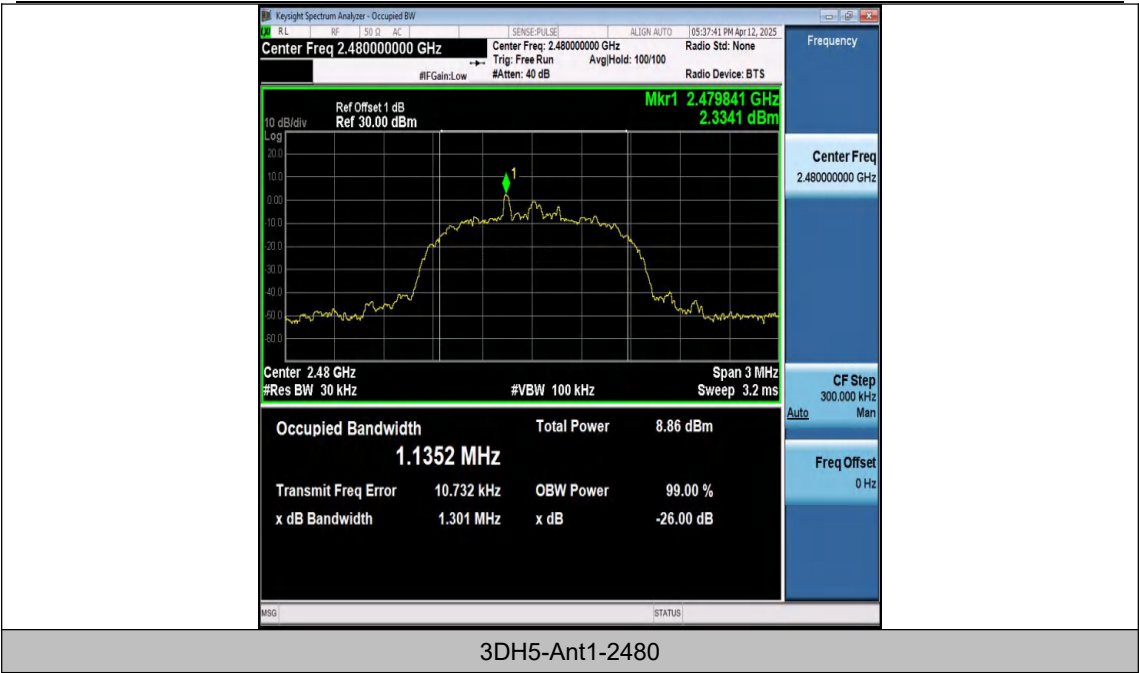
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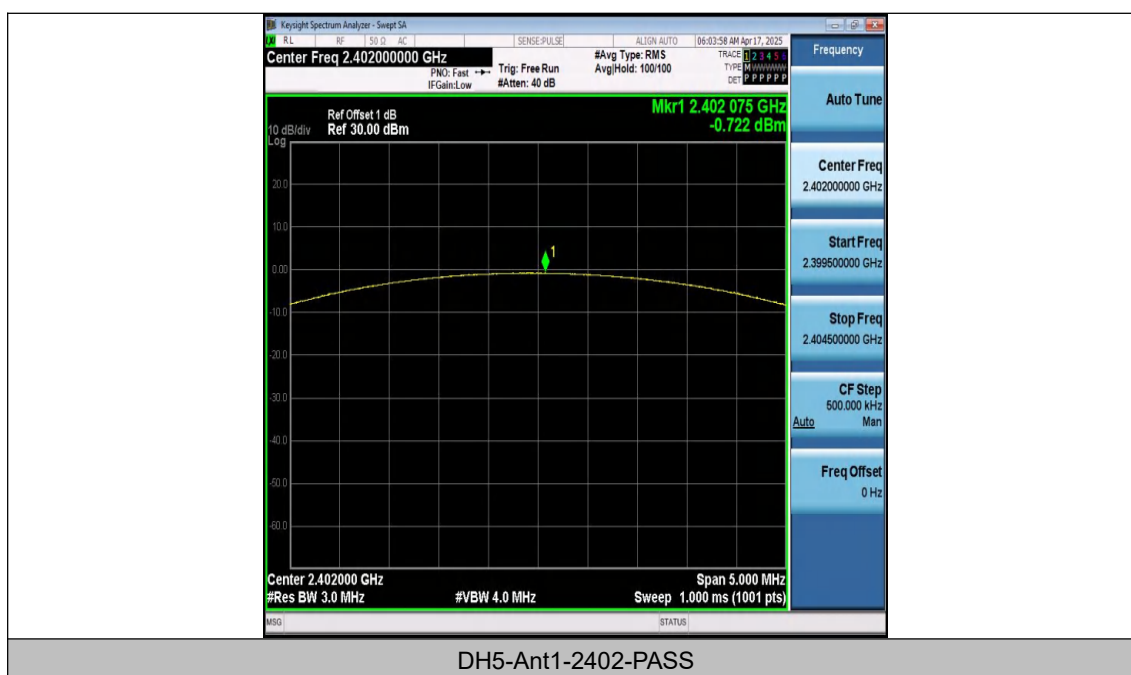
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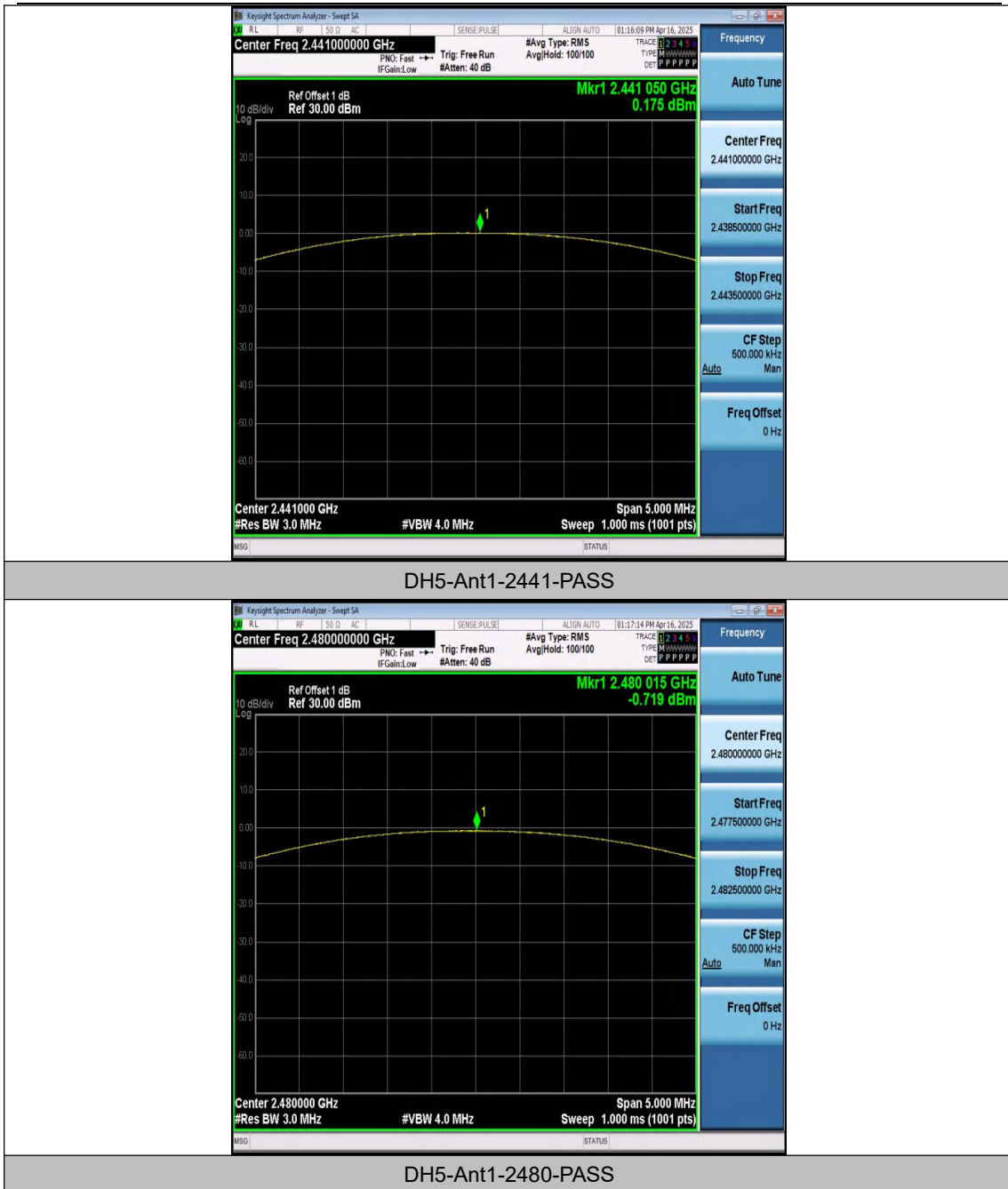
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.72	≤20.97	PASS
DH5	Ant1	2441	0.18	≤20.97	PASS
DH5	Ant1	2480	-0.72	≤20.97	PASS
2DH5	Ant1	2402	-0.64	≤20.97	PASS
2DH5	Ant1	2441	0.12	≤20.97	PASS
2DH5	Ant1	2480	-0.79	≤20.97	PASS
3DH5	Ant1	2402	-0.93	≤20.97	PASS
3DH5	Ant1	2441	0.39	≤20.97	PASS
3DH5	Ant1	2480	-0.66	≤20.97	PASS

Test Graphs

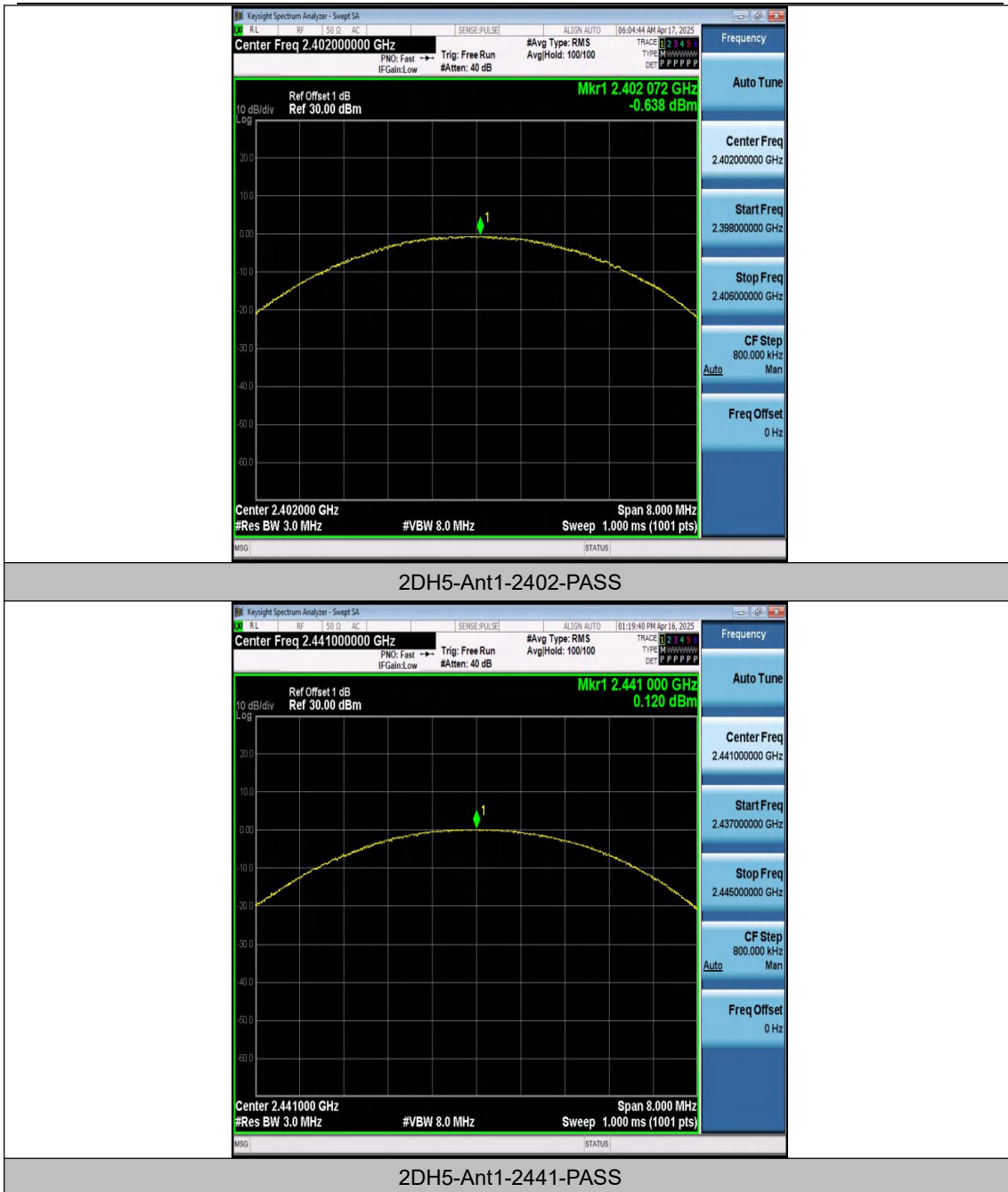




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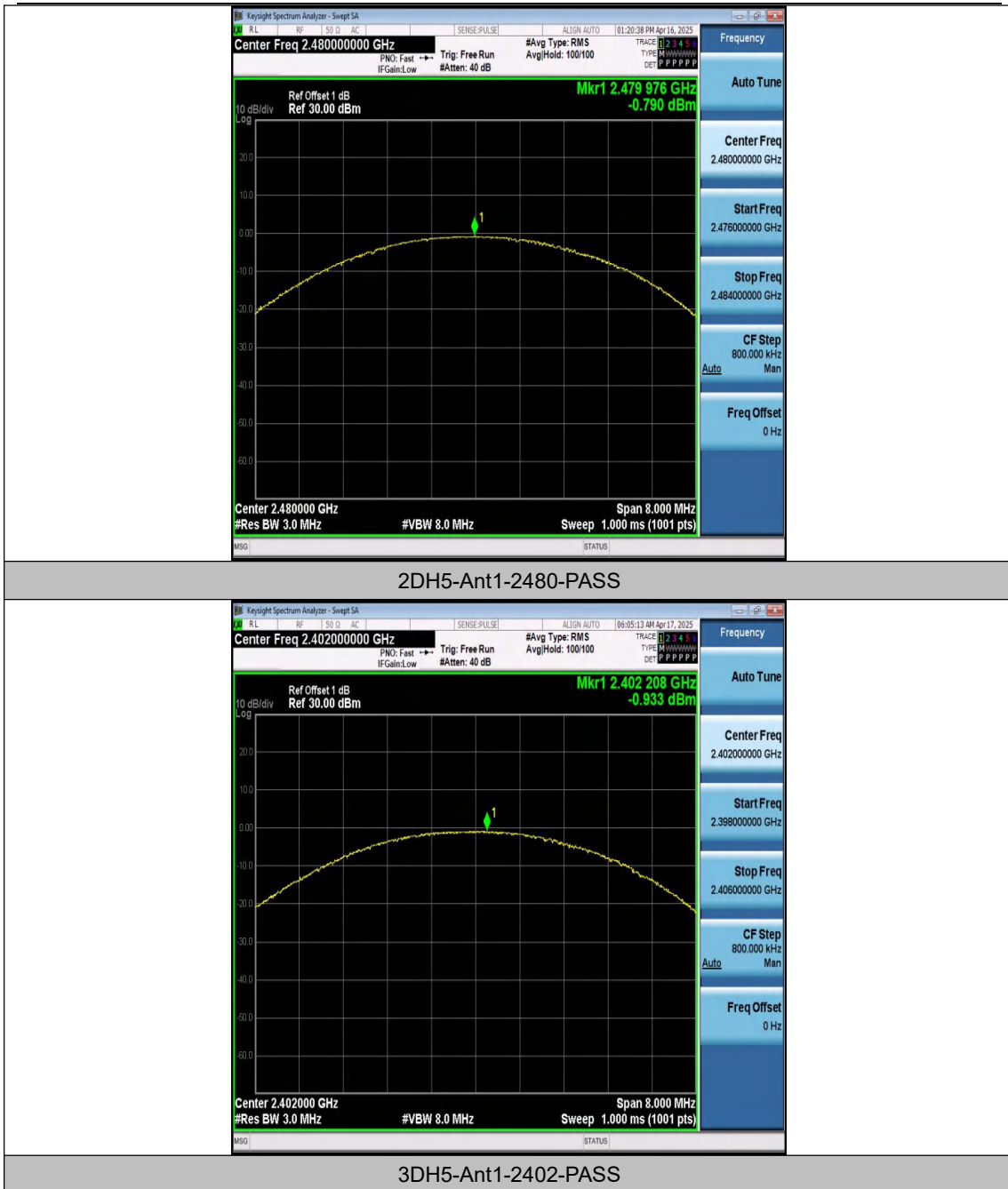
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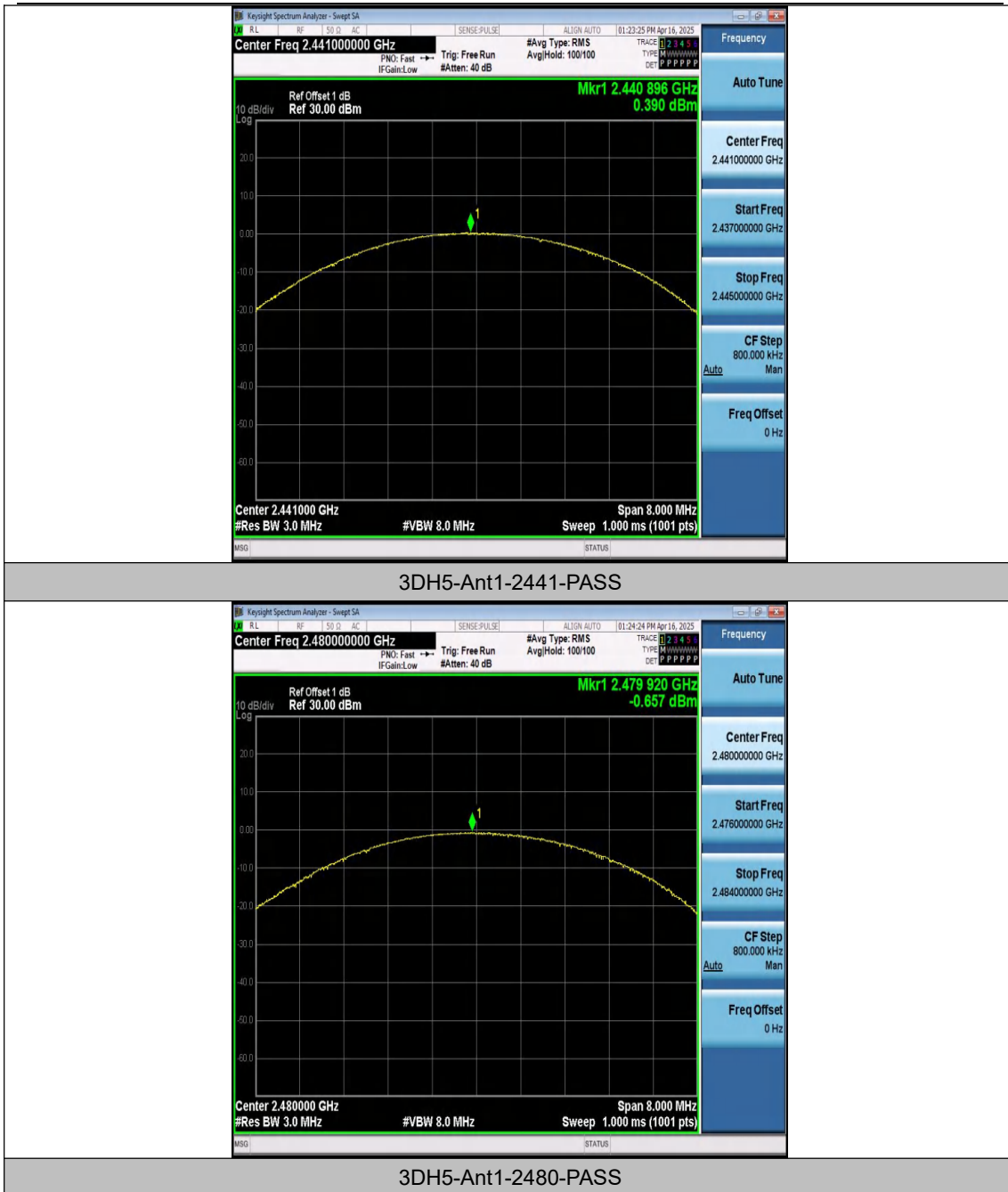
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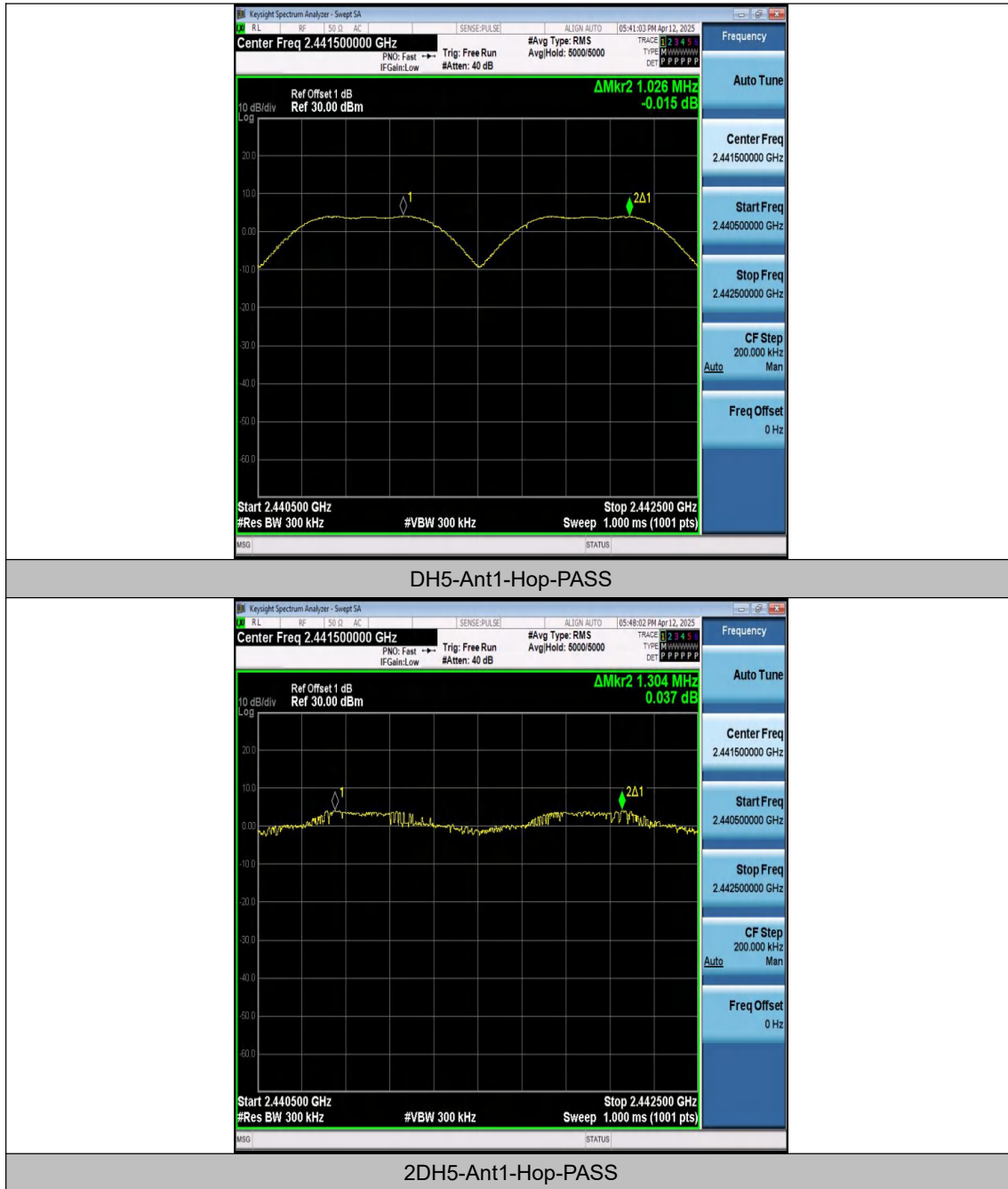
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.026	≥ 0.954	PASS
2DH5	Ant1	Hop	1.304	≥ 1.224	PASS
3DH5	Ant1	Hop	1.064	≥ 0.844	PASS

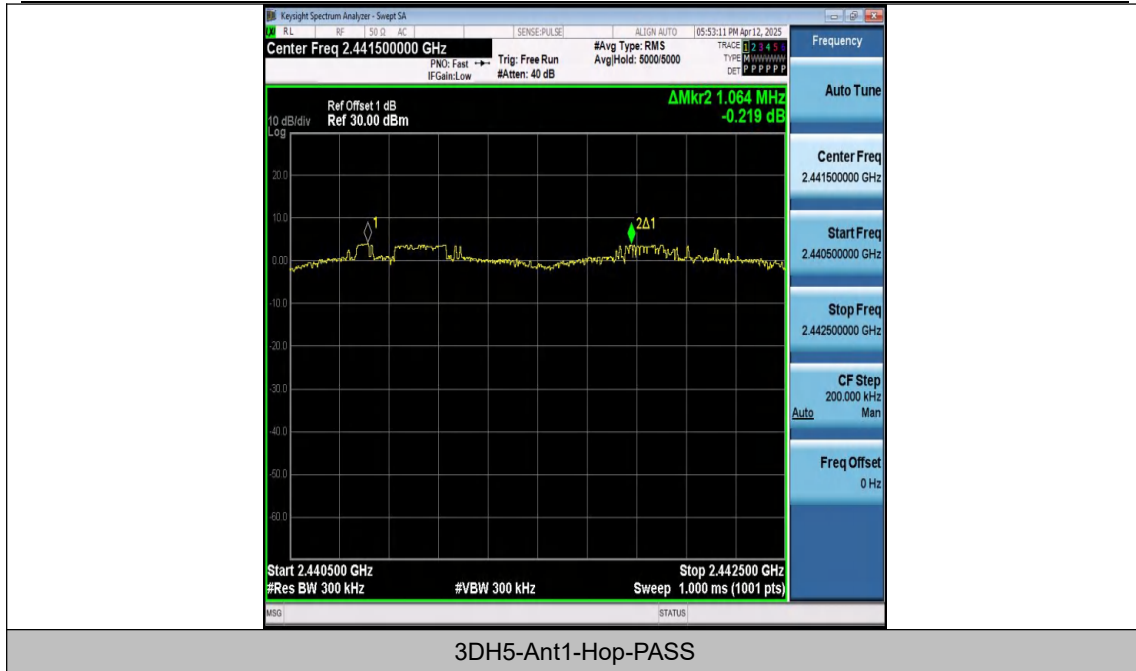
Test Graphs



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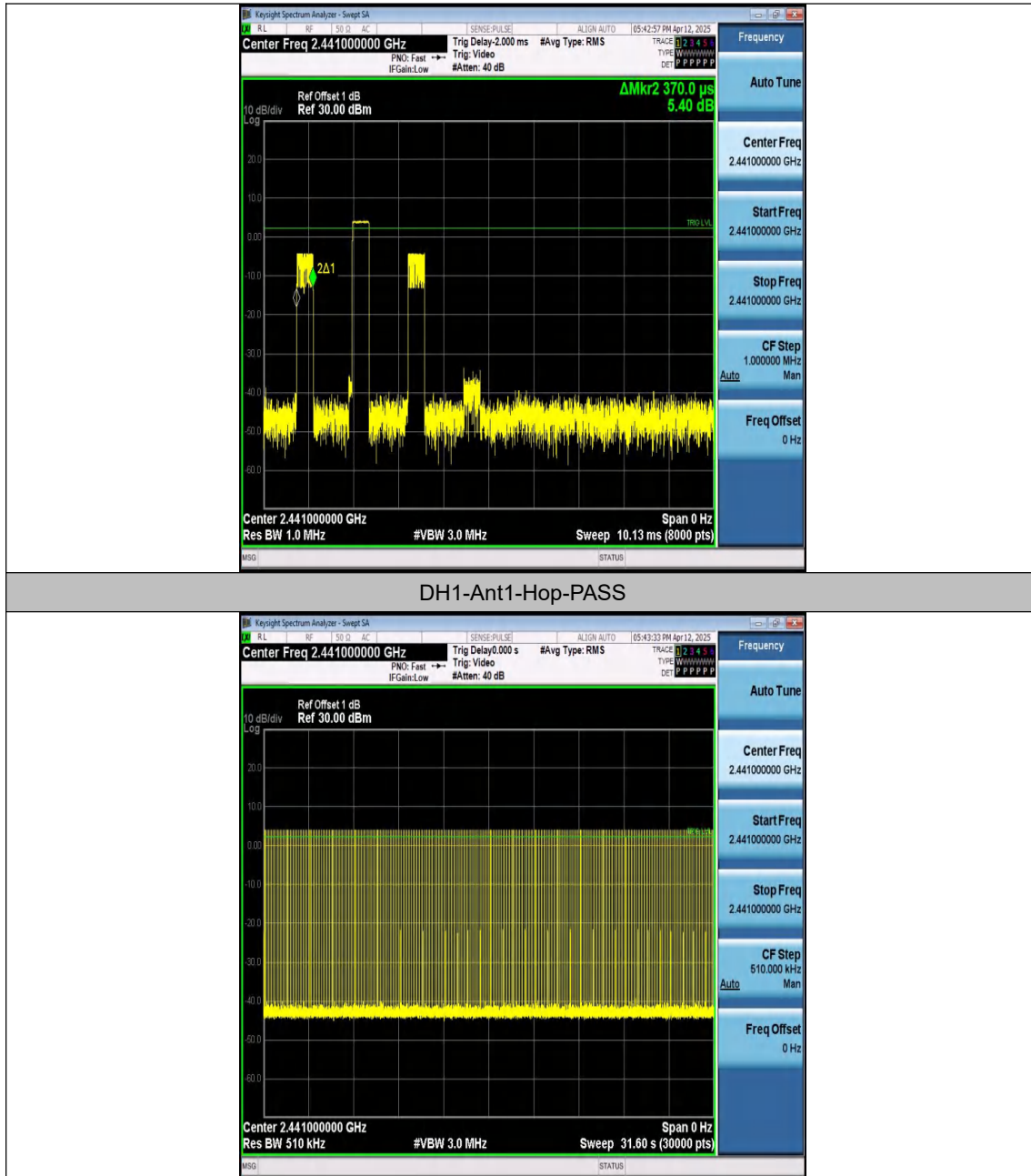
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.370	319	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.866	107	0.307	≤0.4	PASS
2DH1	Ant1	Hop	0.379	319	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.630	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.879	107	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.377	319	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.880	107	0.308	≤0.4	PASS

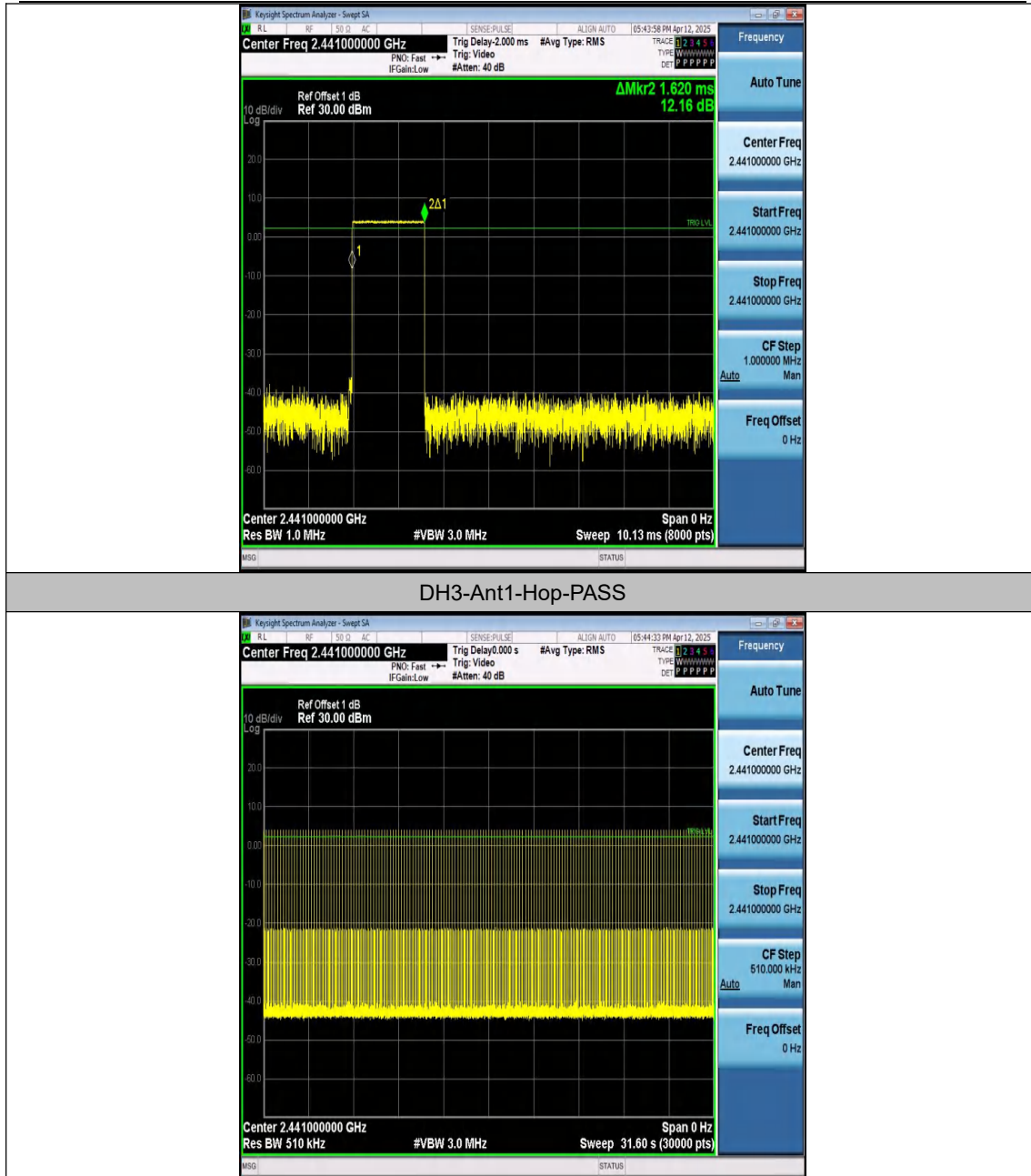
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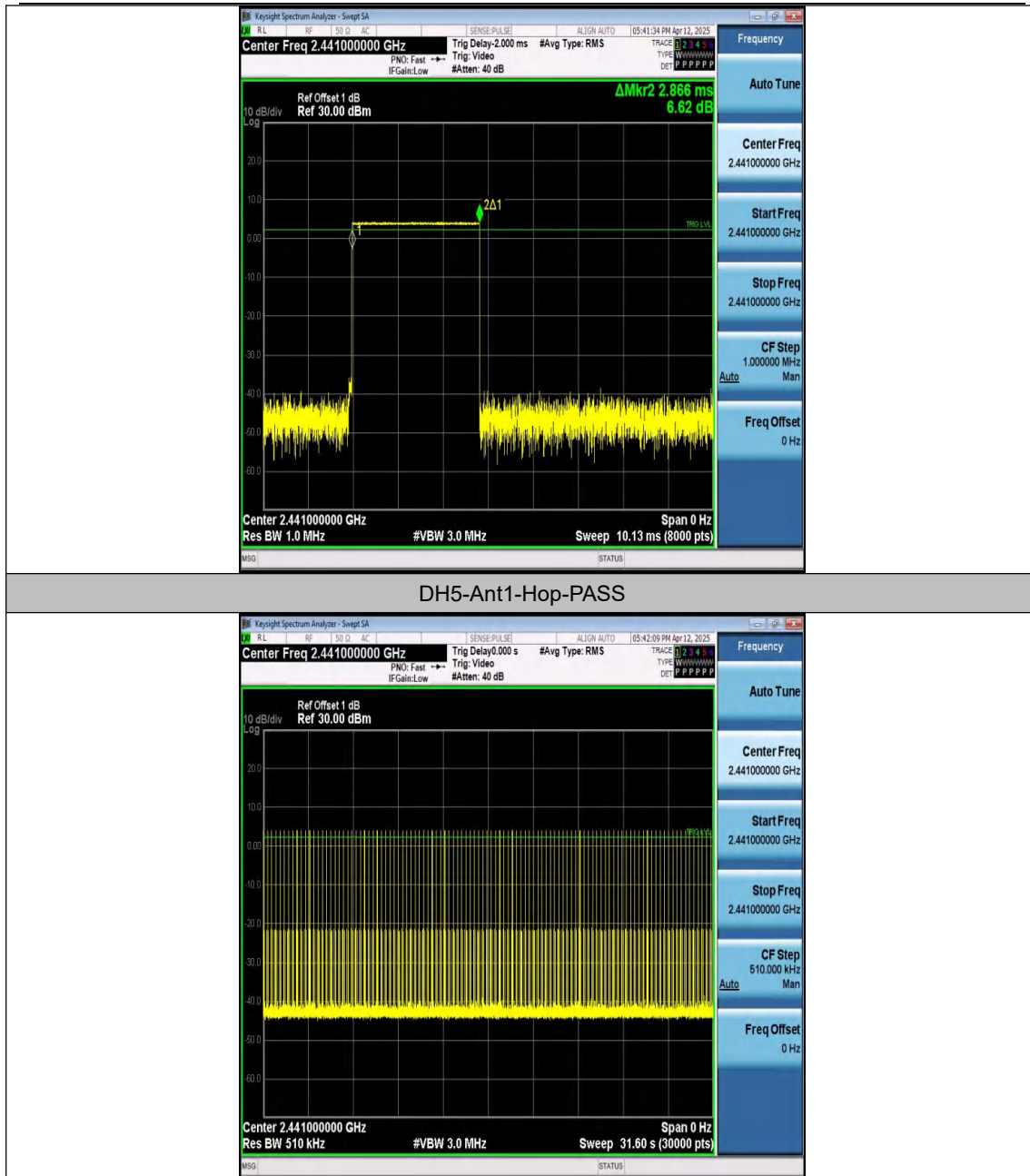
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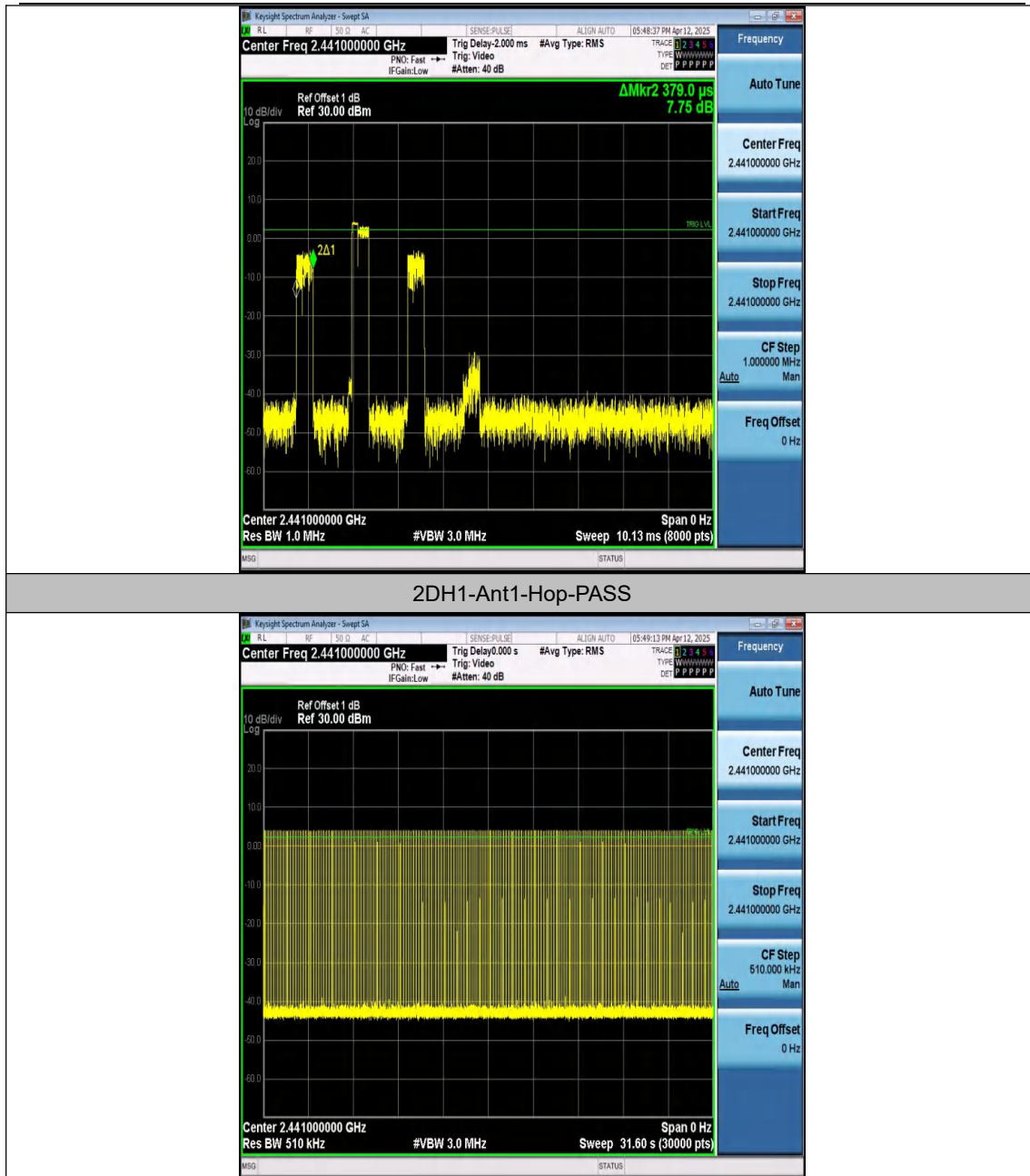
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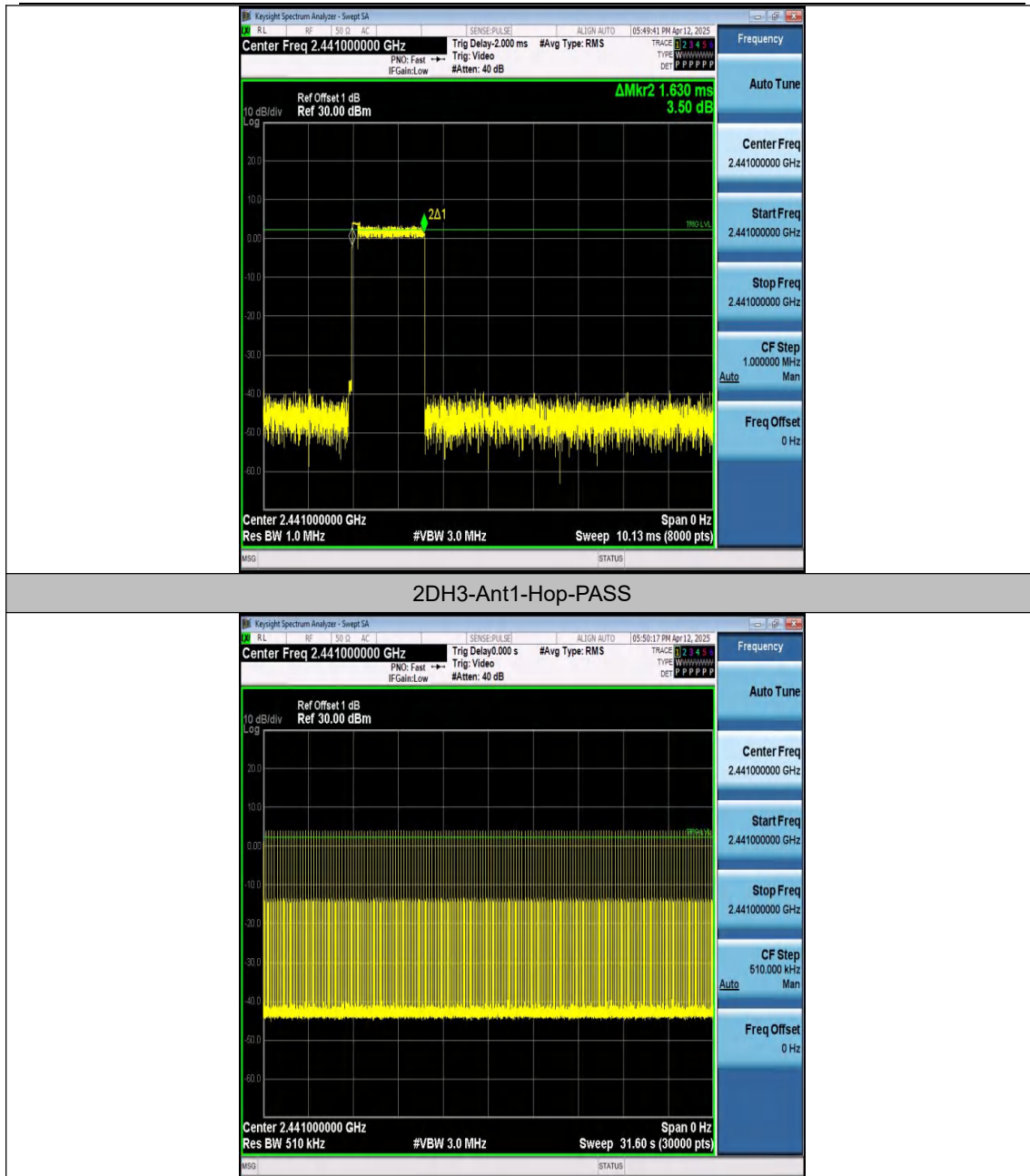
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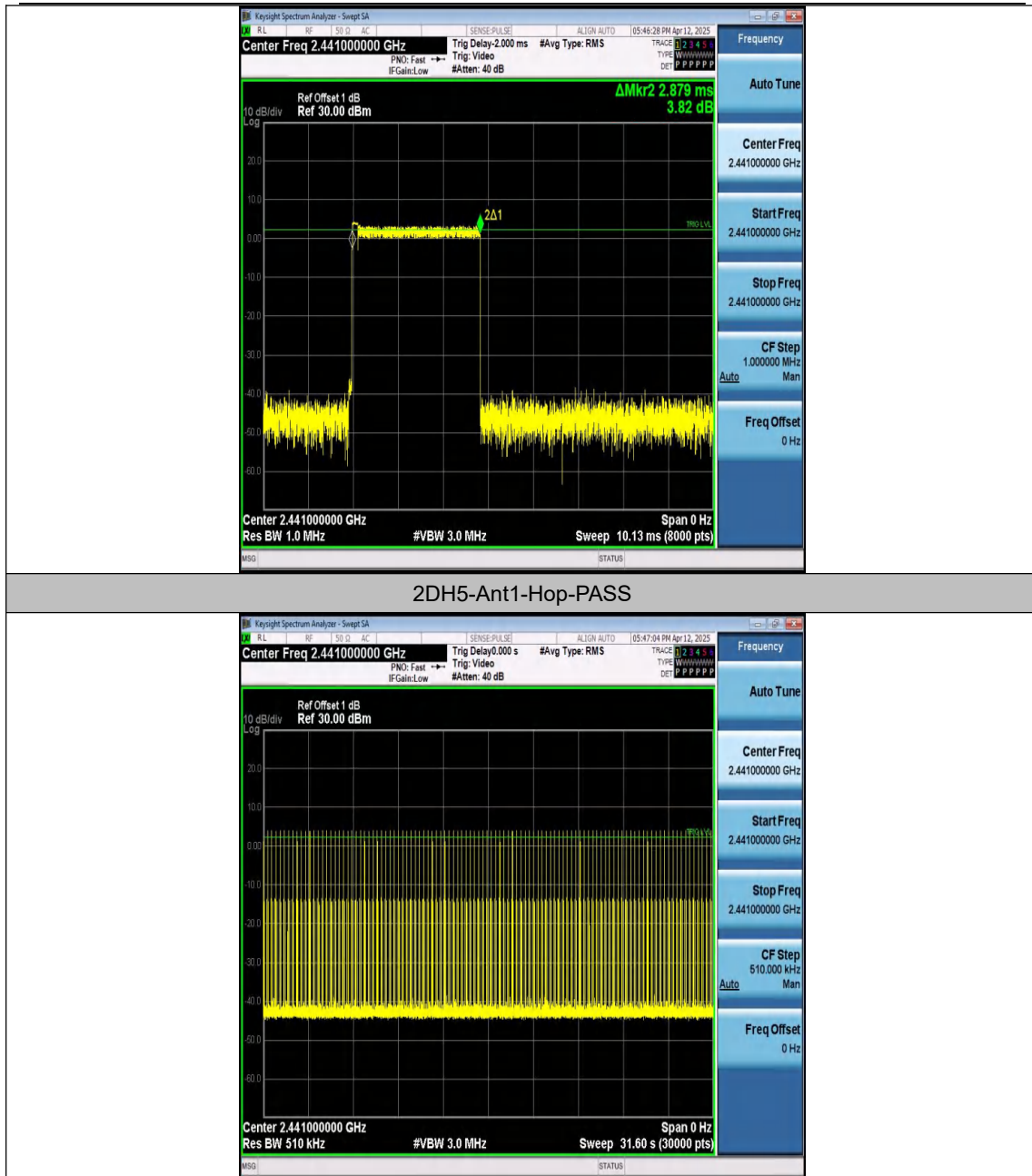
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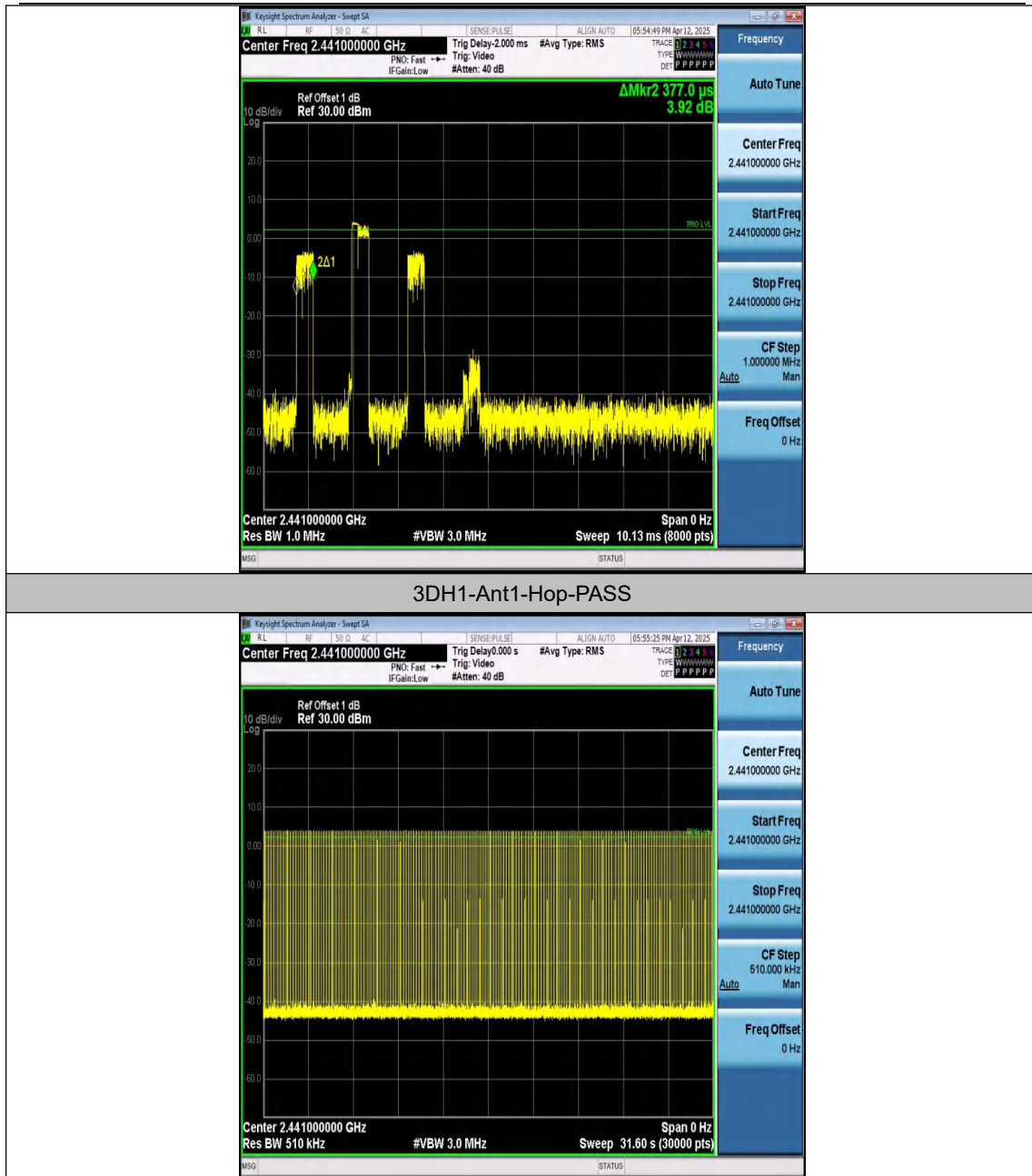
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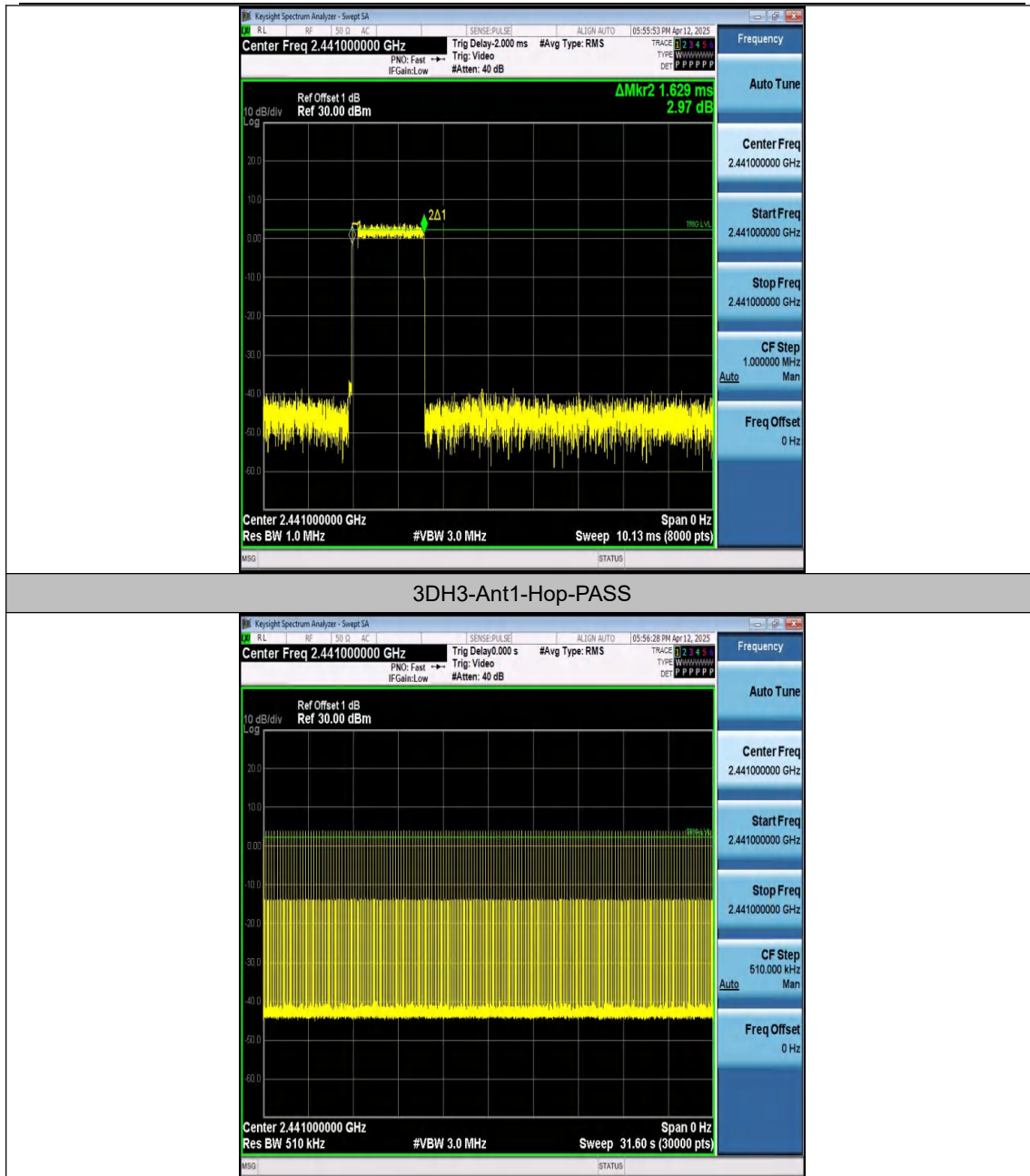
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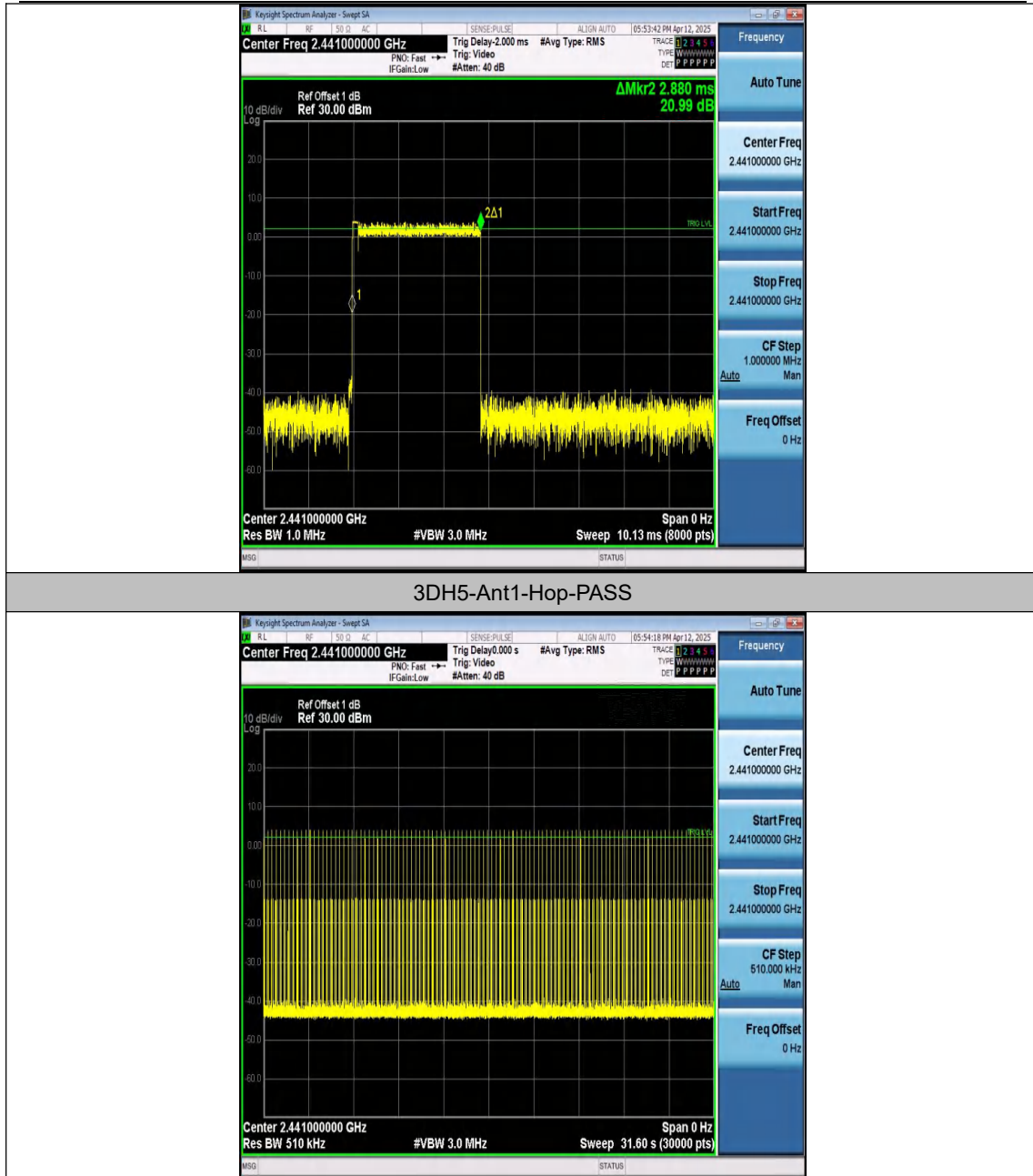
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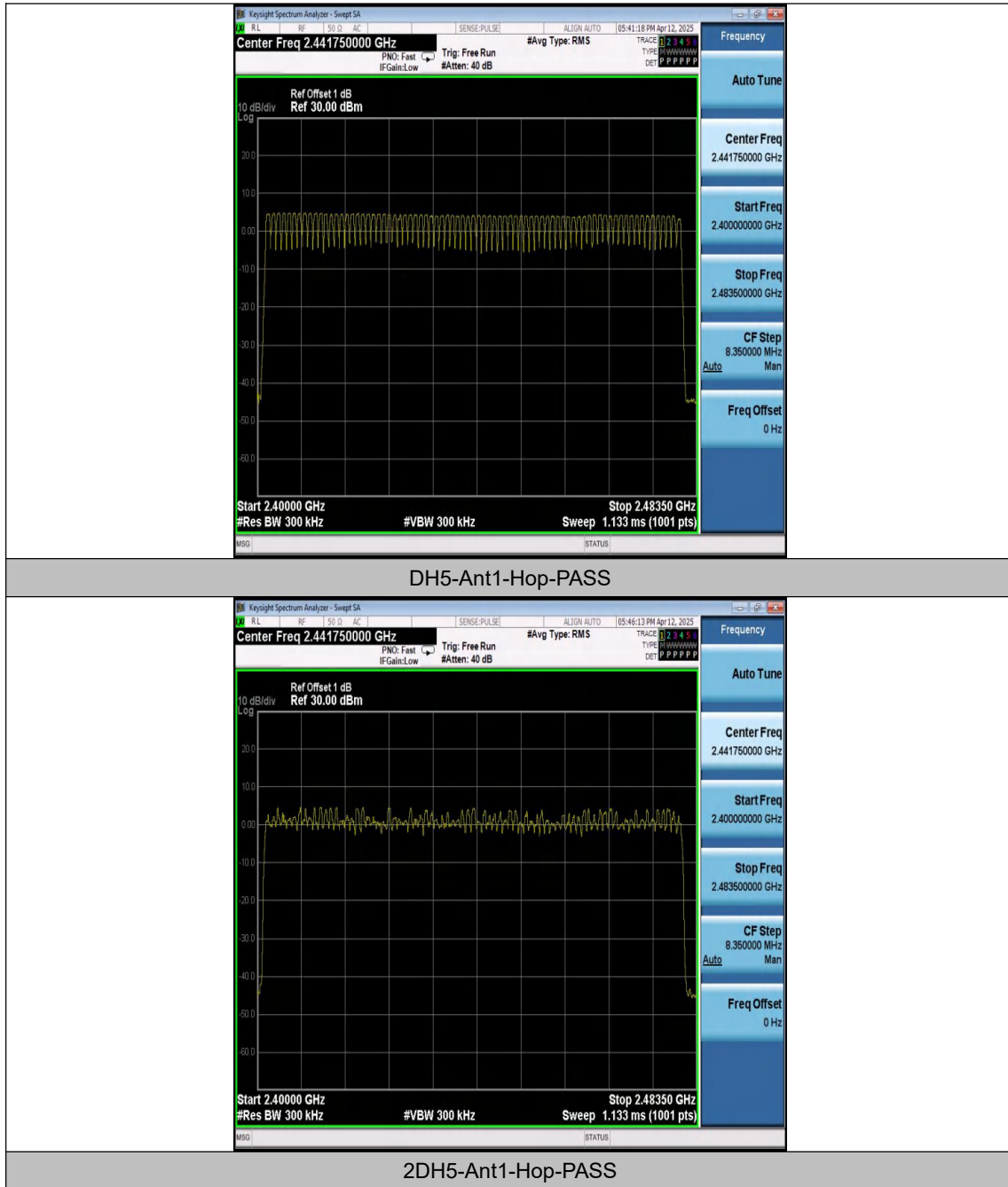
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Appendix F: Number of Hopping Channel

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

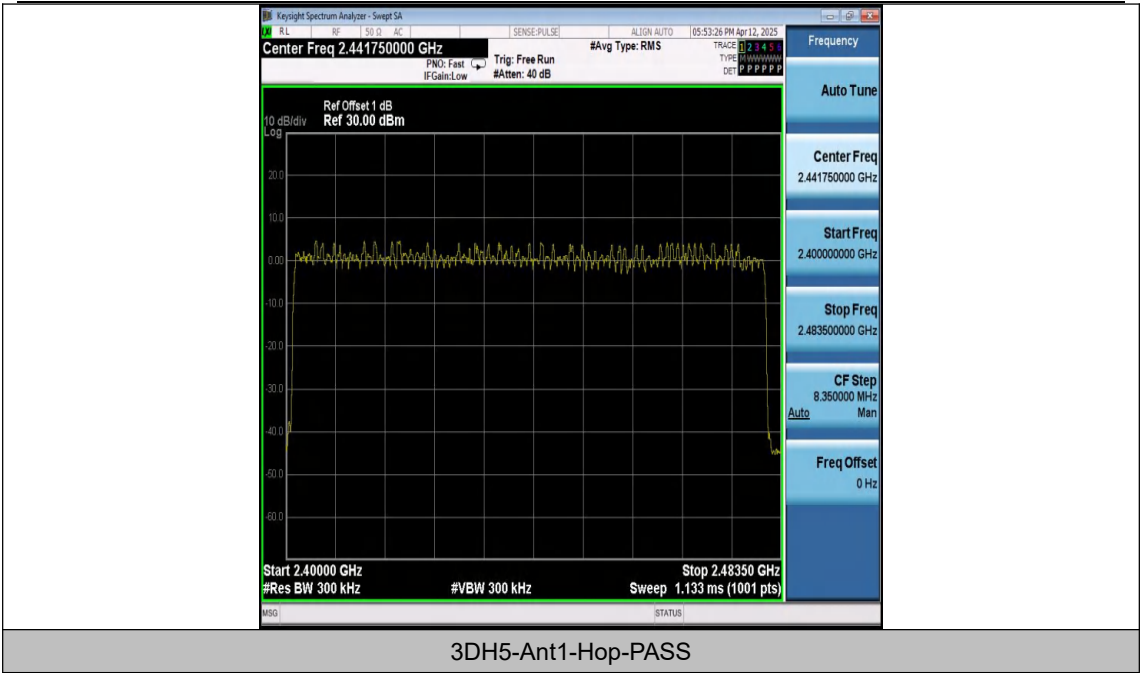
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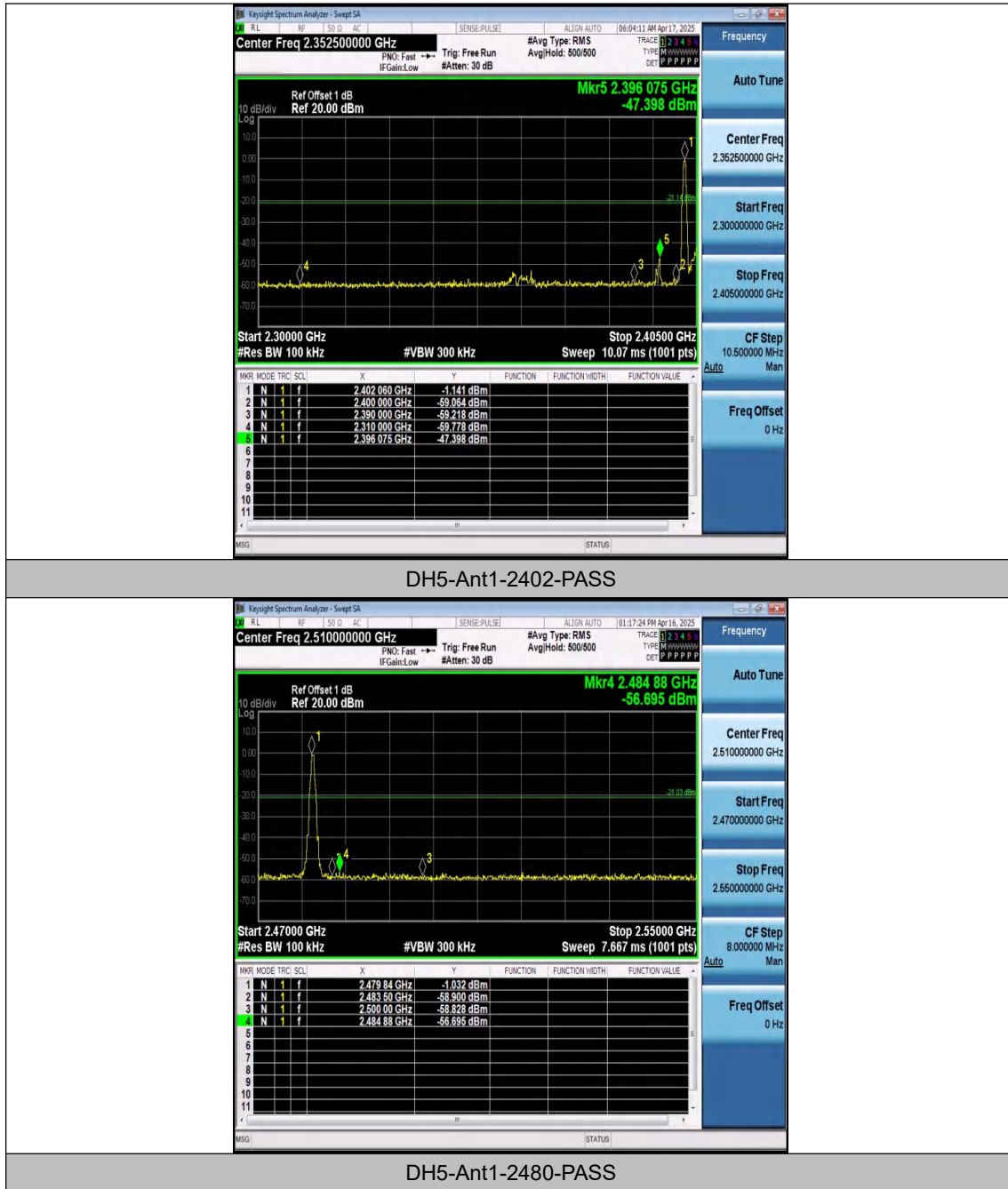
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.14	-47.4	≤ -21.14	PASS
DH5	Ant1	High	2480	-1.03	-56.7	≤ -21.03	PASS
DH5	Ant1	Low	Hop_2402	-0.11	-55.6	≤ -20.11	PASS
DH5	Ant1	High	Hop_2480	-3.26	-56.86	≤ -23.26	PASS
2DH5	Ant1	Low	2402	-1.37	-48.42	≤ -21.37	PASS
2DH5	Ant1	High	2480	-1.12	-56.81	≤ -21.12	PASS
2DH5	Ant1	Low	Hop_2402	-3.69	-56.23	≤ -23.69	PASS
2DH5	Ant1	High	Hop_2480	-5.83	-56.72	≤ -25.83	PASS
3DH5	Ant1	Low	2402	-1.58	-45.45	≤ -21.58	PASS
3DH5	Ant1	High	2480	-1.14	-56.74	≤ -21.14	PASS
3DH5	Ant1	Low	Hop_2402	-4.10	-57.32	≤ -24.1	PASS
3DH5	Ant1	High	Hop_2480	-5.60	-56.72	≤ -25.6	PASS

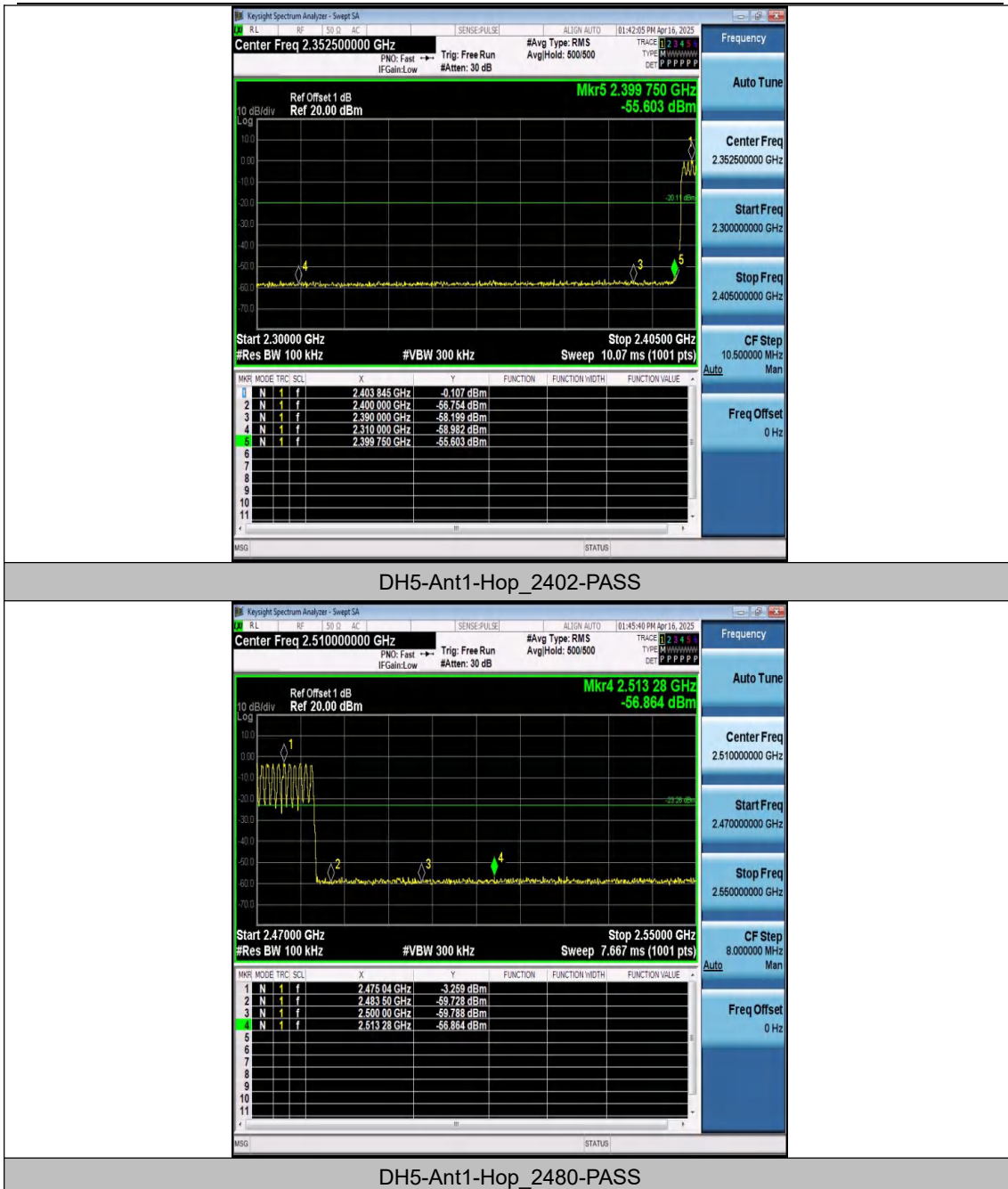
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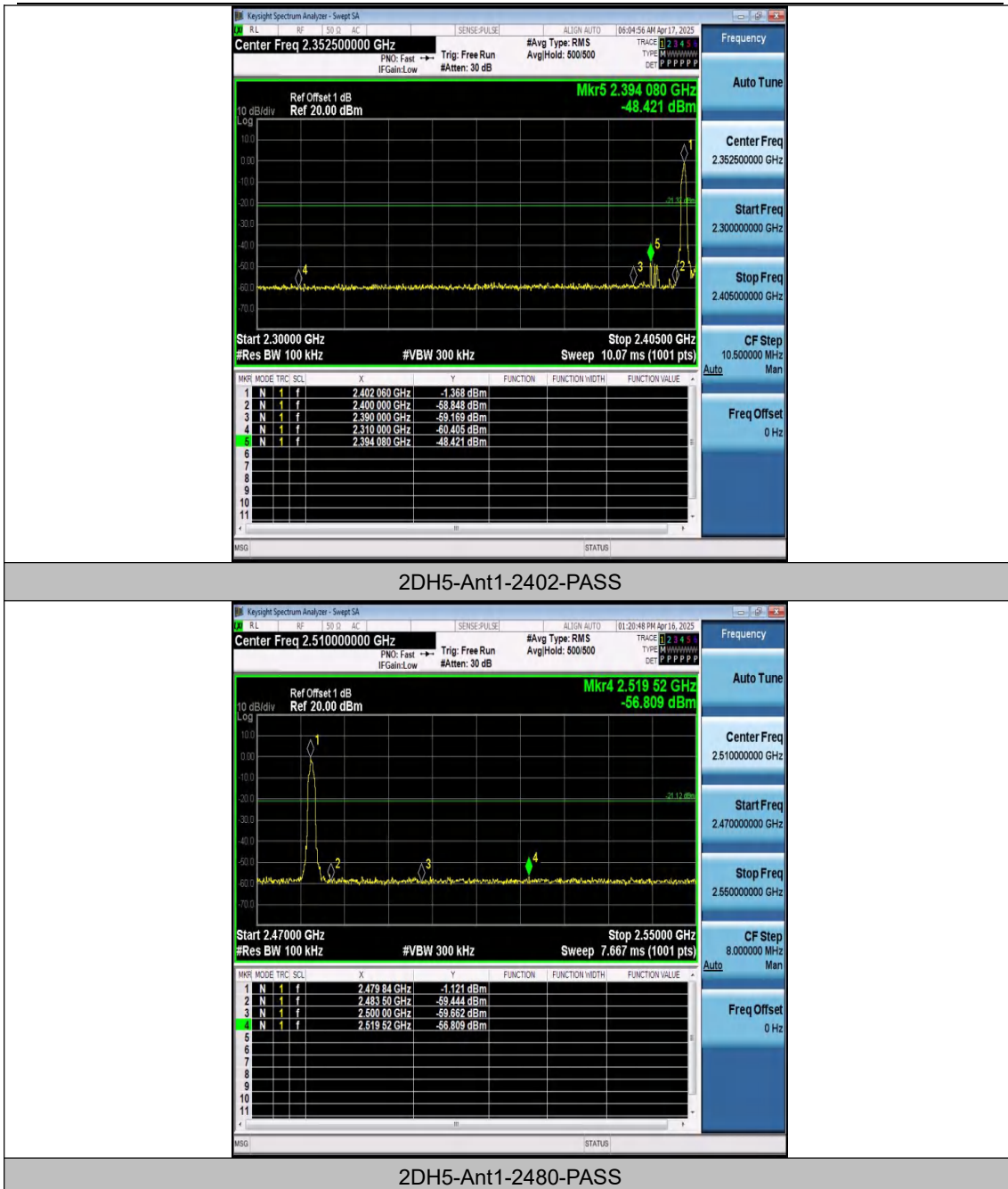


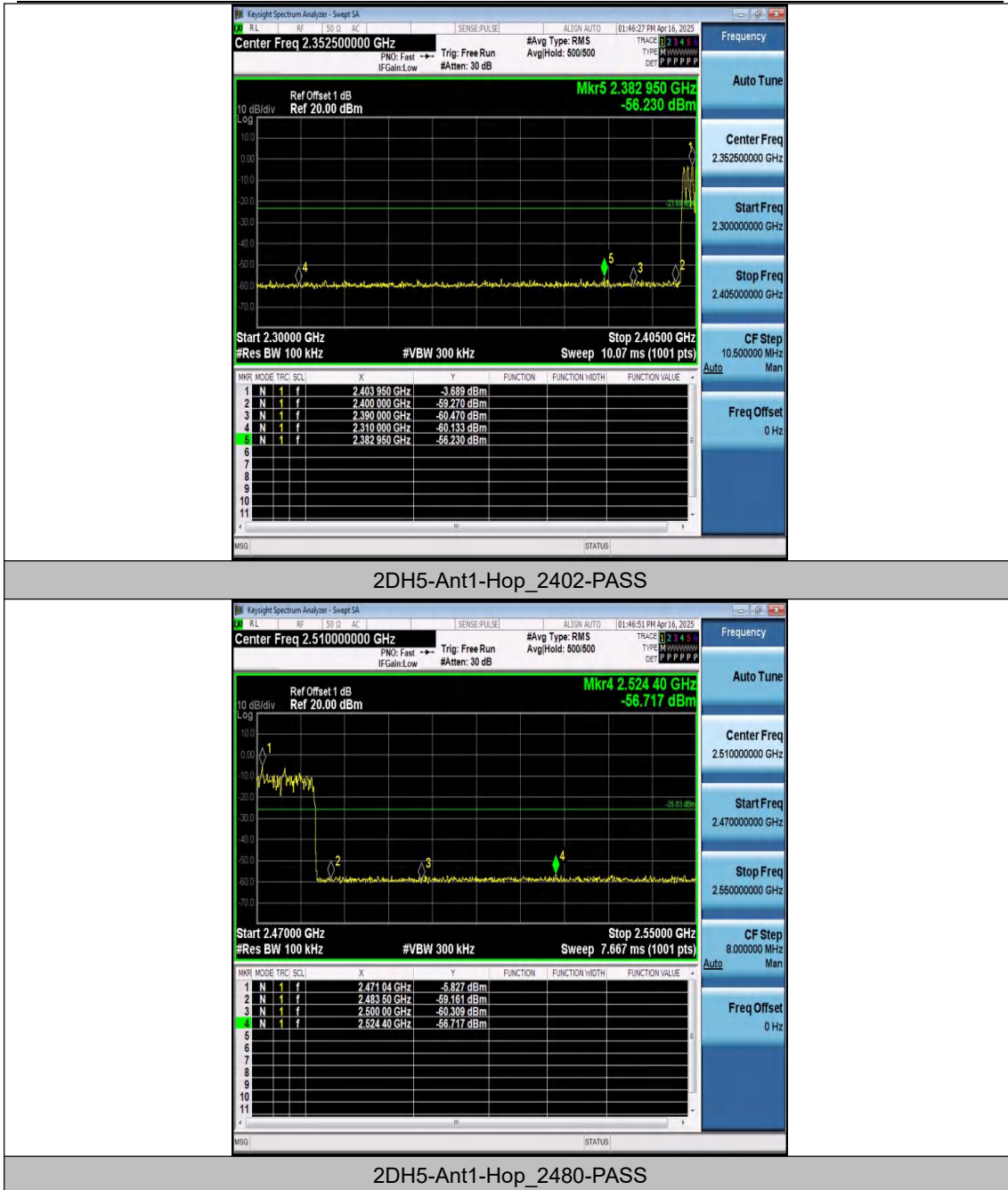
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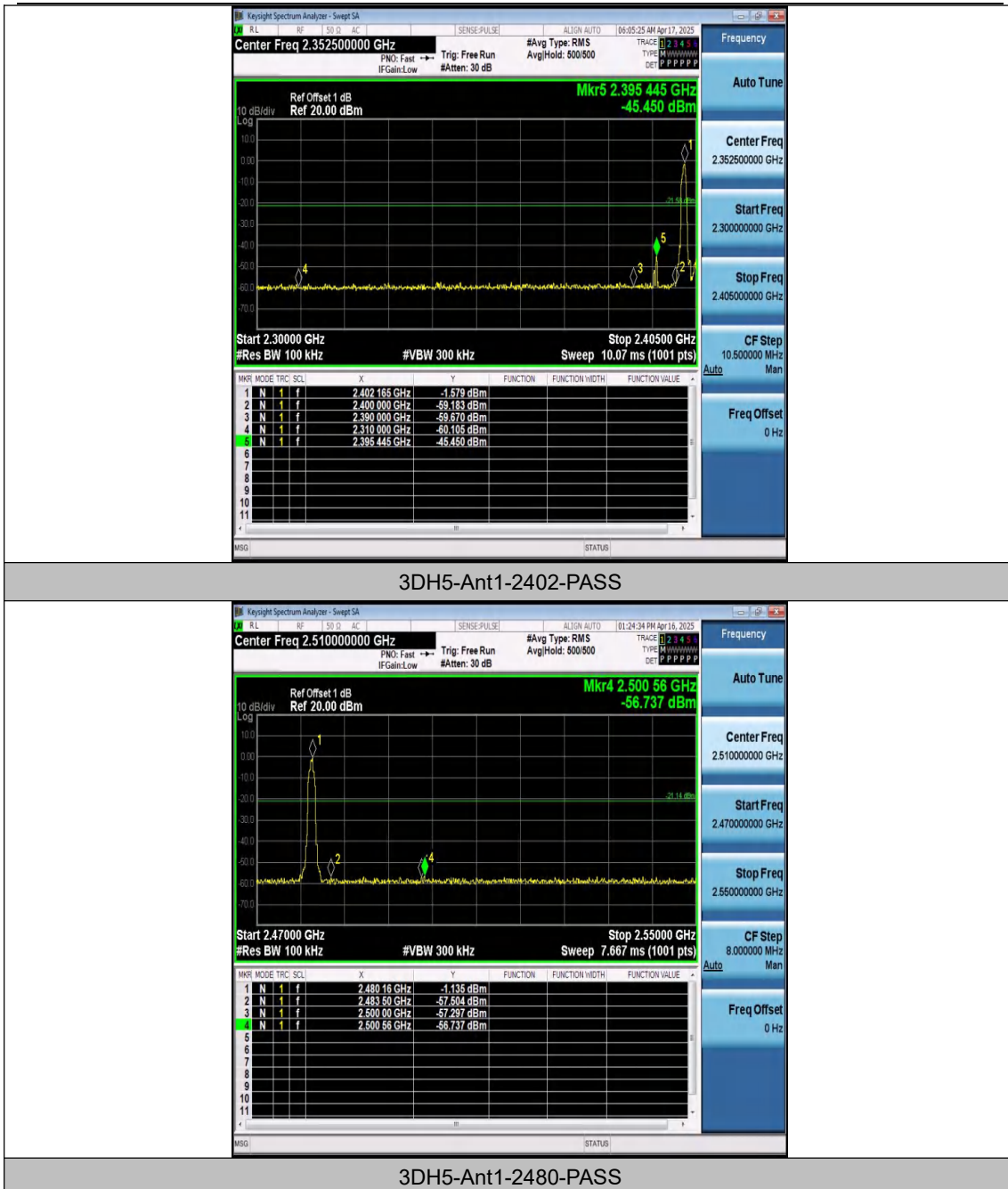


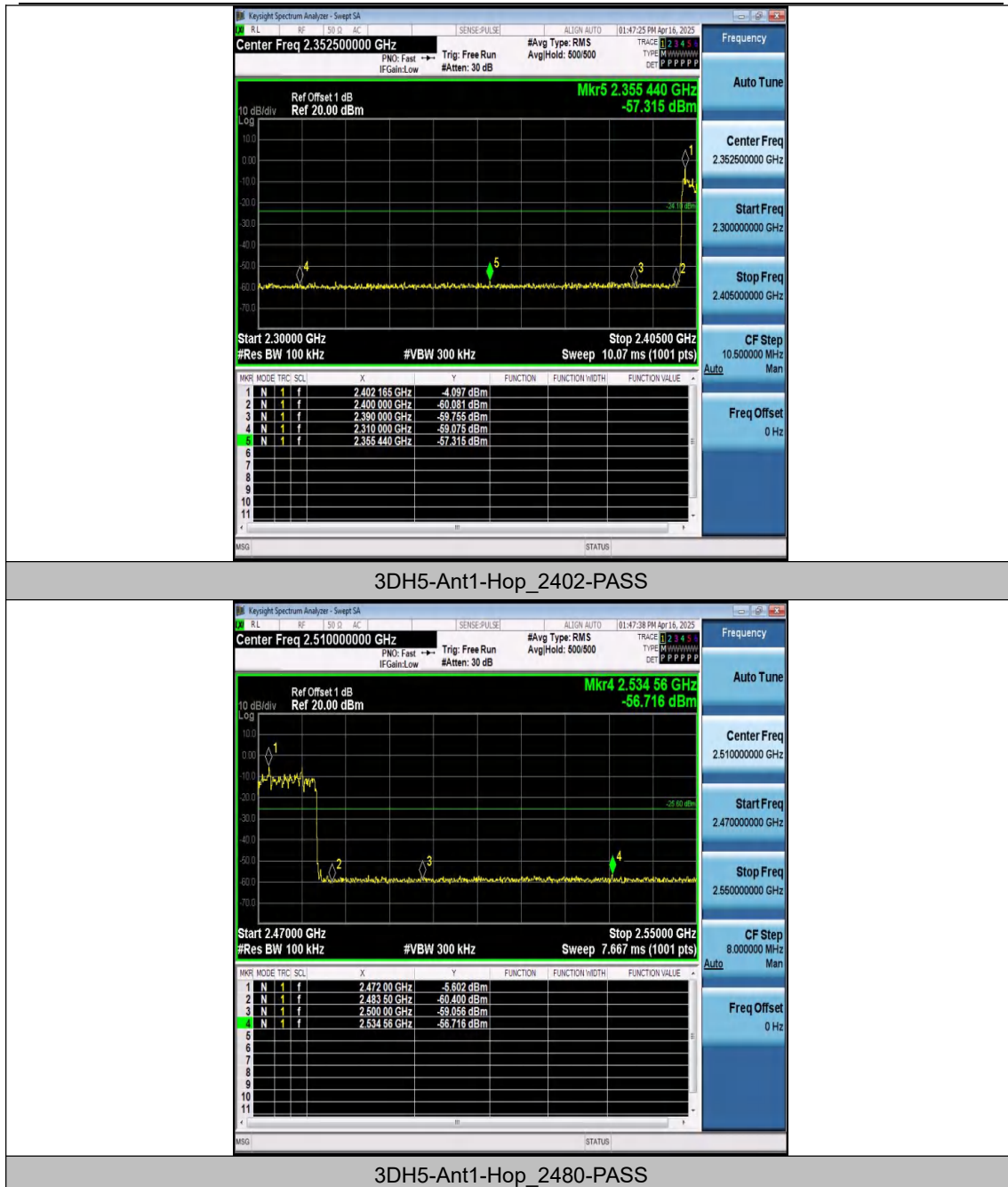


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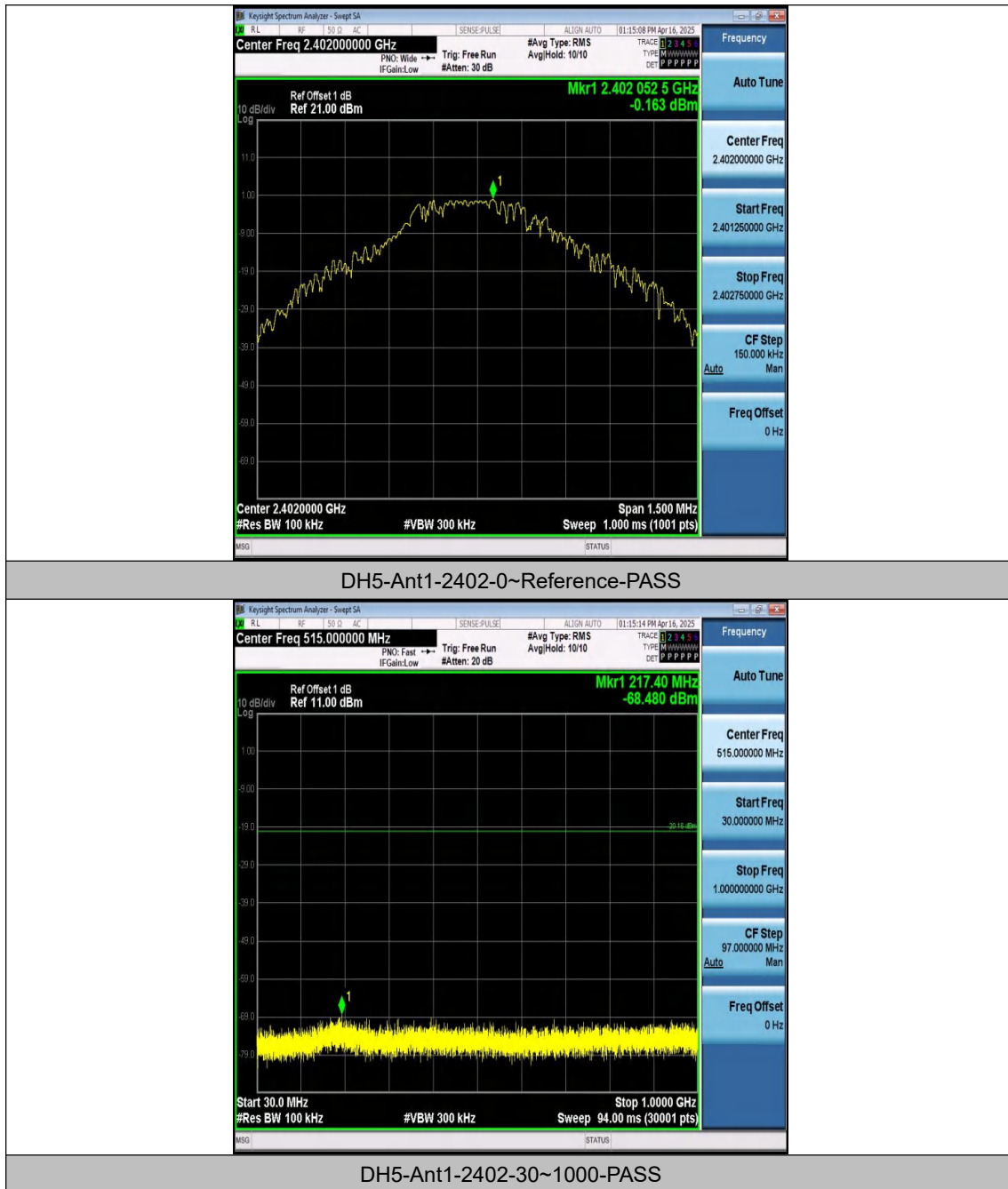


Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.16	-0.16	---	PASS
DH5	Ant1	2402	30~1000	-0.16	-68.48	≤-20.16	PASS
DH5	Ant1	2402	1000~26500	-0.16	-42.85	≤-20.16	PASS
DH5	Ant1	2441	0~Reference	-0.57	-0.57	---	PASS
DH5	Ant1	2441	30~1000	-0.57	-68.5	≤-20.57	PASS
DH5	Ant1	2441	1000~26500	-0.57	-42.23	≤-20.57	PASS
DH5	Ant1	2480	0~Reference	-1.72	-1.72	---	PASS
DH5	Ant1	2480	30~1000	-1.72	-68.79	≤-21.72	PASS
DH5	Ant1	2480	1000~26500	-1.72	-43.48	≤-21.72	PASS
2DH5	Ant1	2402	0~Reference	-4.33	-4.33	---	PASS
2DH5	Ant1	2402	30~1000	-4.33	-67.9	≤-24.33	PASS
2DH5	Ant1	2402	1000~26500	-4.33	-47.85	≤-24.33	PASS
2DH5	Ant1	2441	0~Reference	-1.13	-1.13	---	PASS
2DH5	Ant1	2441	30~1000	-1.13	-67.13	≤-21.13	PASS
2DH5	Ant1	2441	1000~26500	-1.13	-42.79	≤-21.13	PASS
2DH5	Ant1	2480	0~Reference	-2.27	-2.27	---	PASS
2DH5	Ant1	2480	30~1000	-2.27	-67.86	≤-22.27	PASS
2DH5	Ant1	2480	1000~26500	-2.27	-44.94	≤-22.27	PASS
3DH5	Ant1	2402	0~Reference	0.55	0.55	---	PASS
3DH5	Ant1	2402	30~1000	0.55	-68.76	≤-19.45	PASS
3DH5	Ant1	2402	1000~26500	0.55	-47.67	≤-19.45	PASS
3DH5	Ant1	2441	0~Reference	-0.62	-0.62	---	PASS
3DH5	Ant1	2441	30~1000	-0.62	-68.16	≤-20.62	PASS
3DH5	Ant1	2441	1000~26500	-0.62	-47.75	≤-20.62	PASS
3DH5	Ant1	2480	0~Reference	-2.53	-2.53	---	PASS
3DH5	Ant1	2480	30~1000	-2.53	-67.98	≤-22.53	PASS
3DH5	Ant1	2480	1000~26500	-2.53	-47.09	≤-22.53	PASS

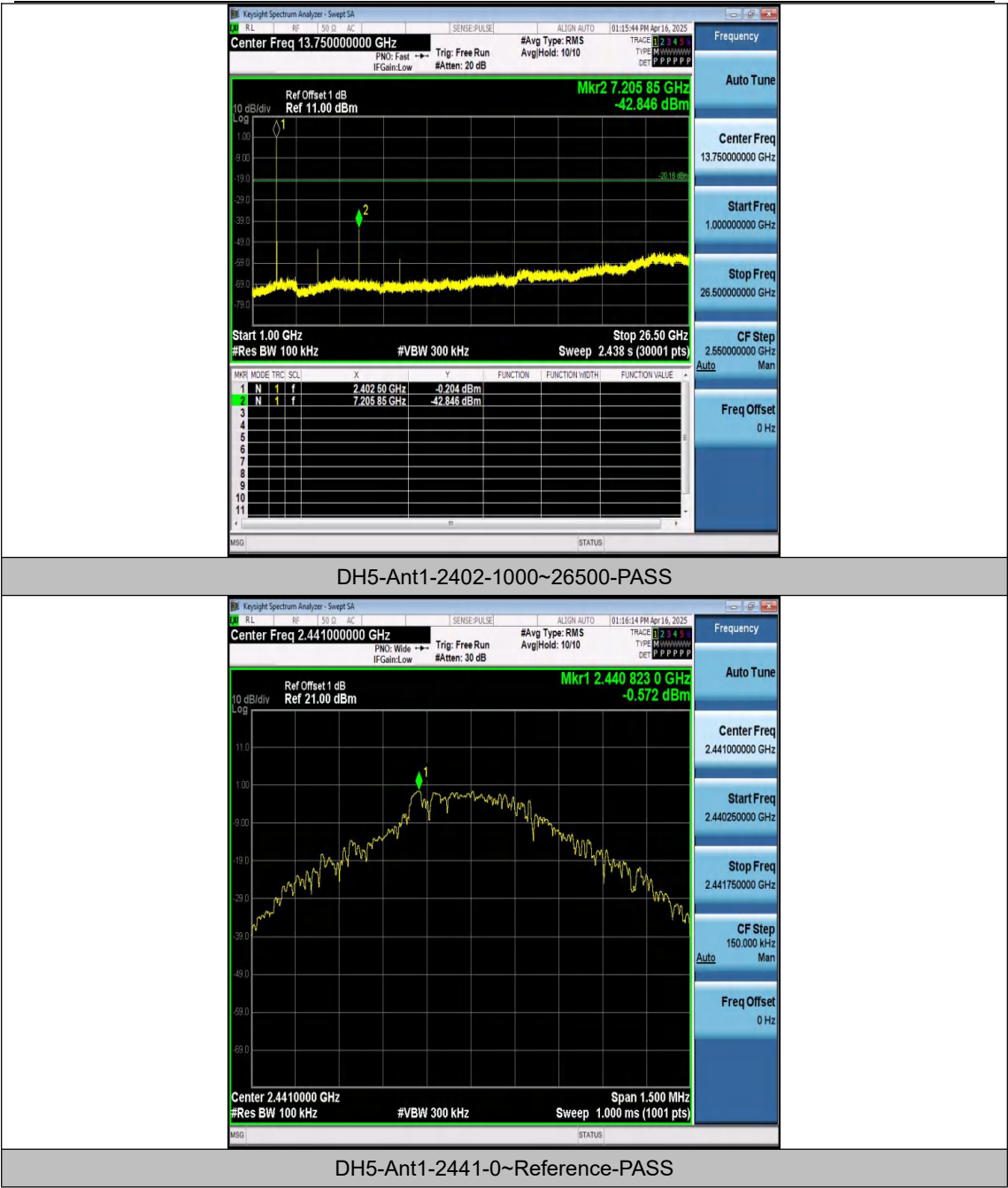
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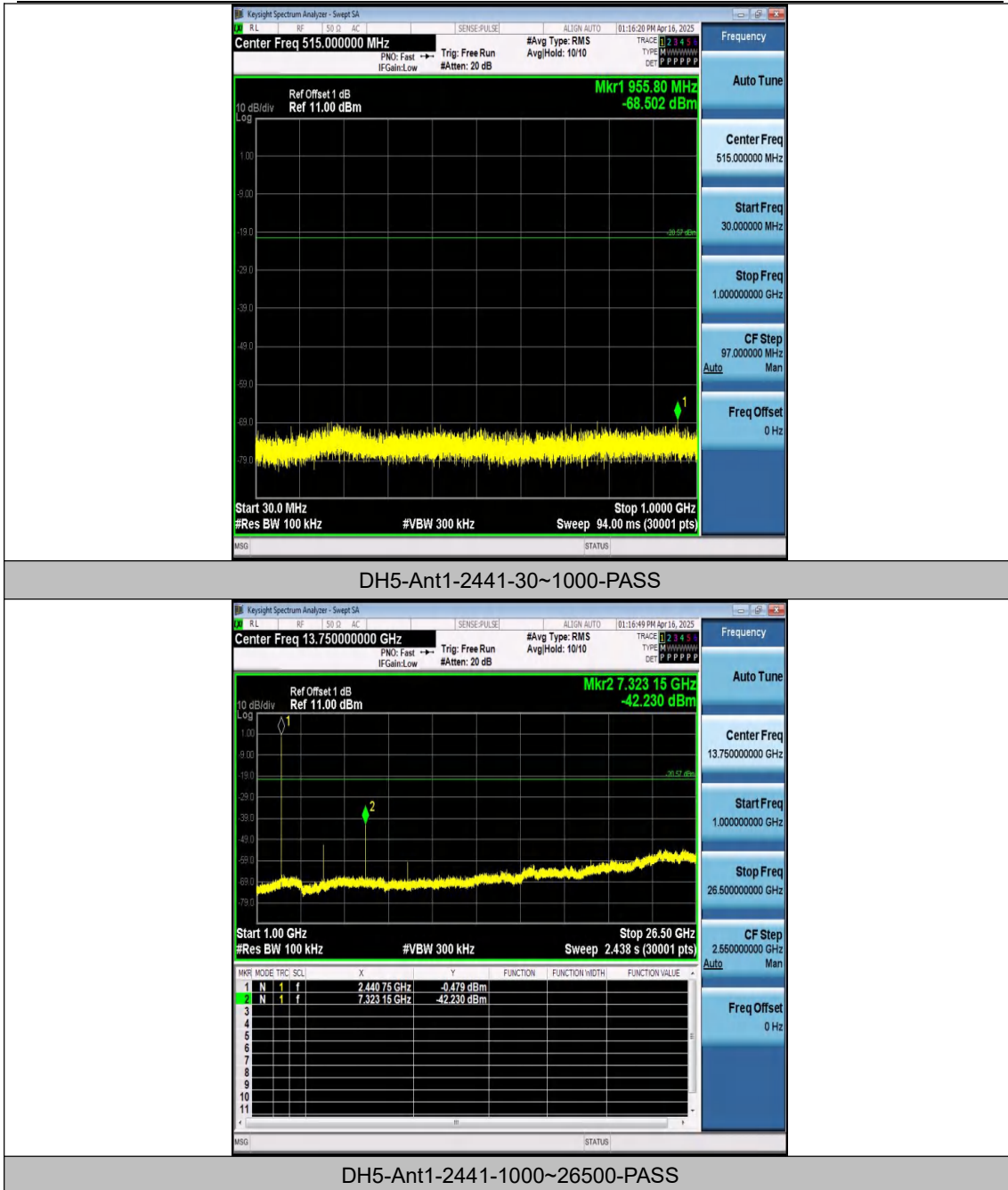


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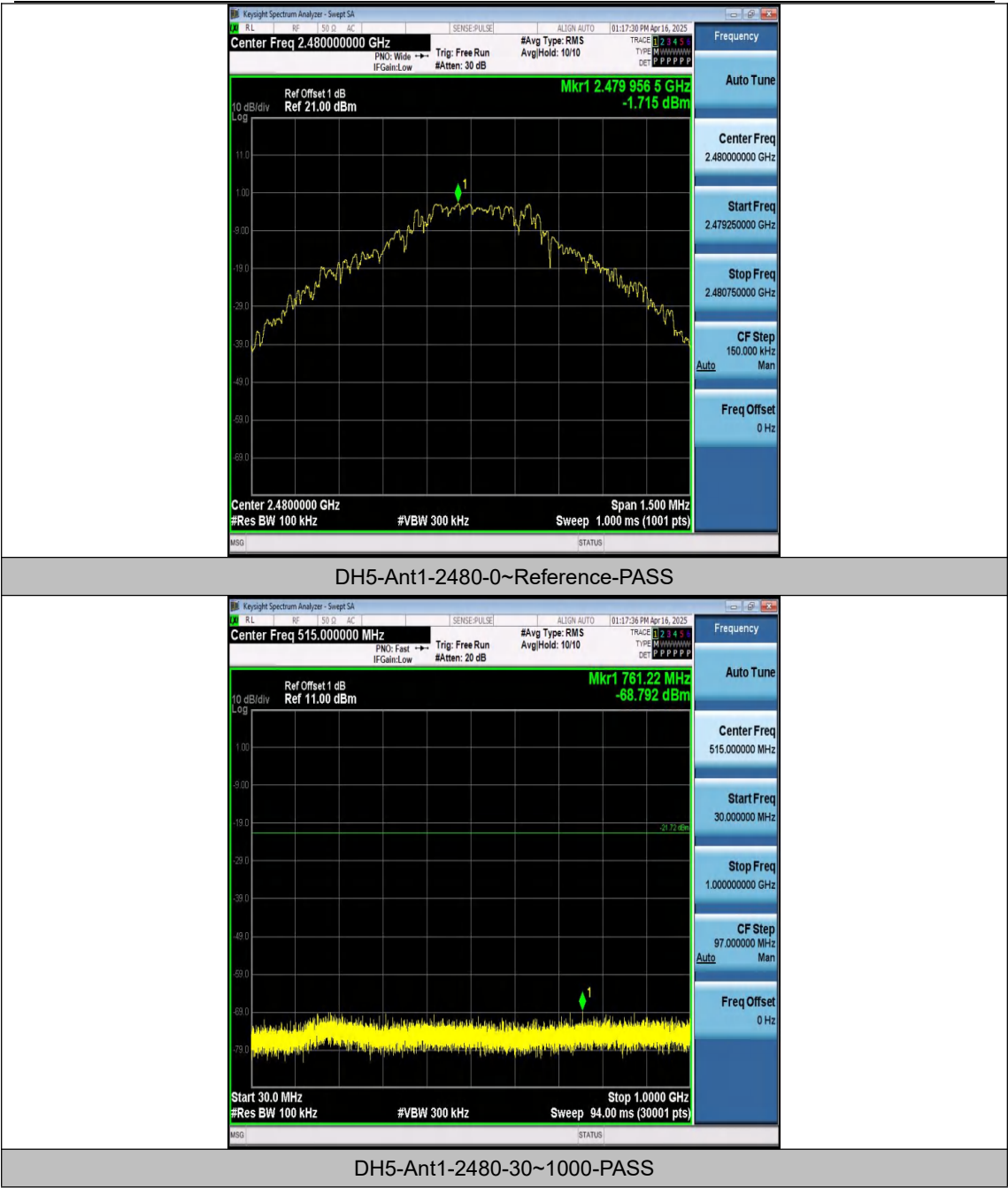


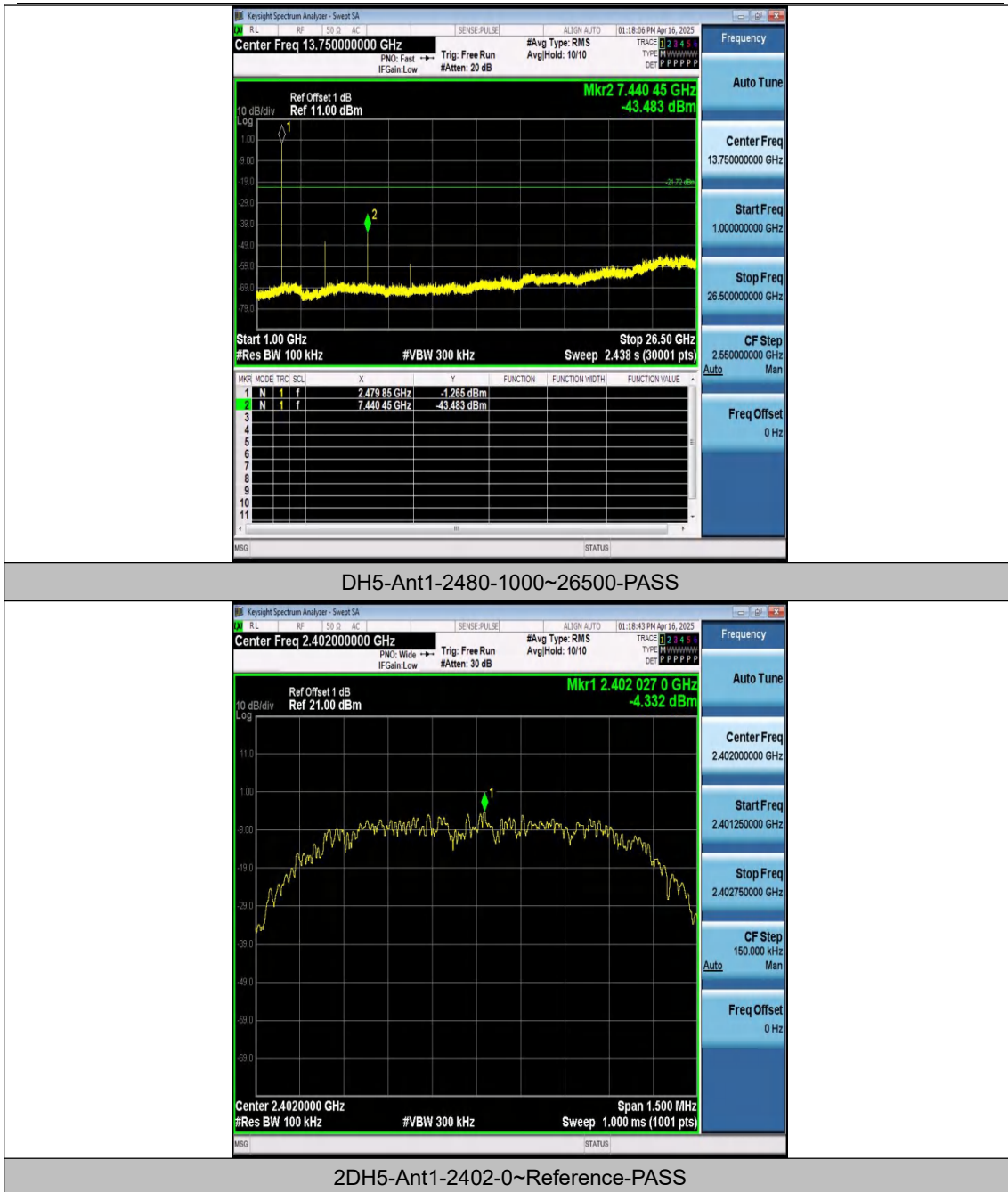


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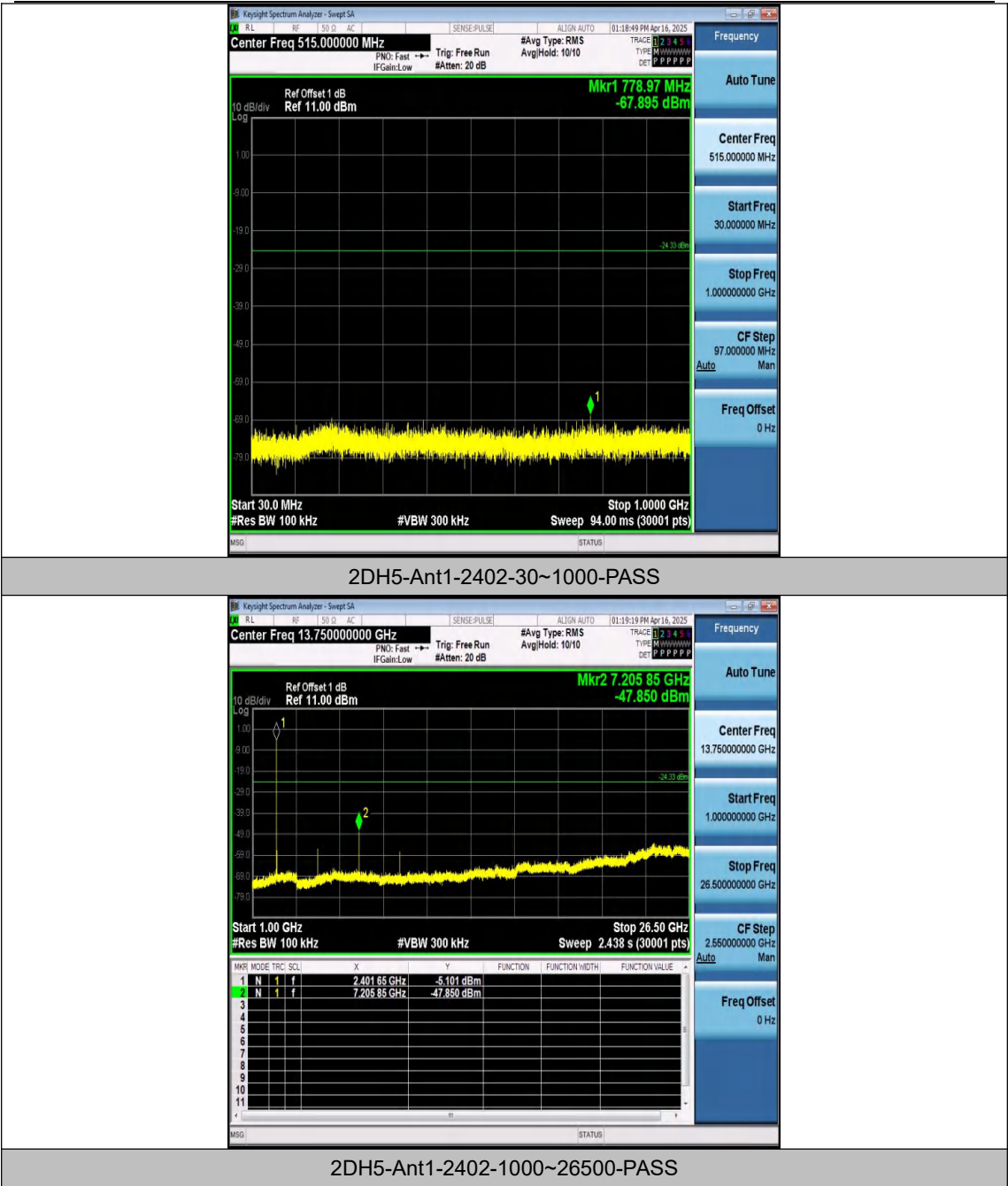


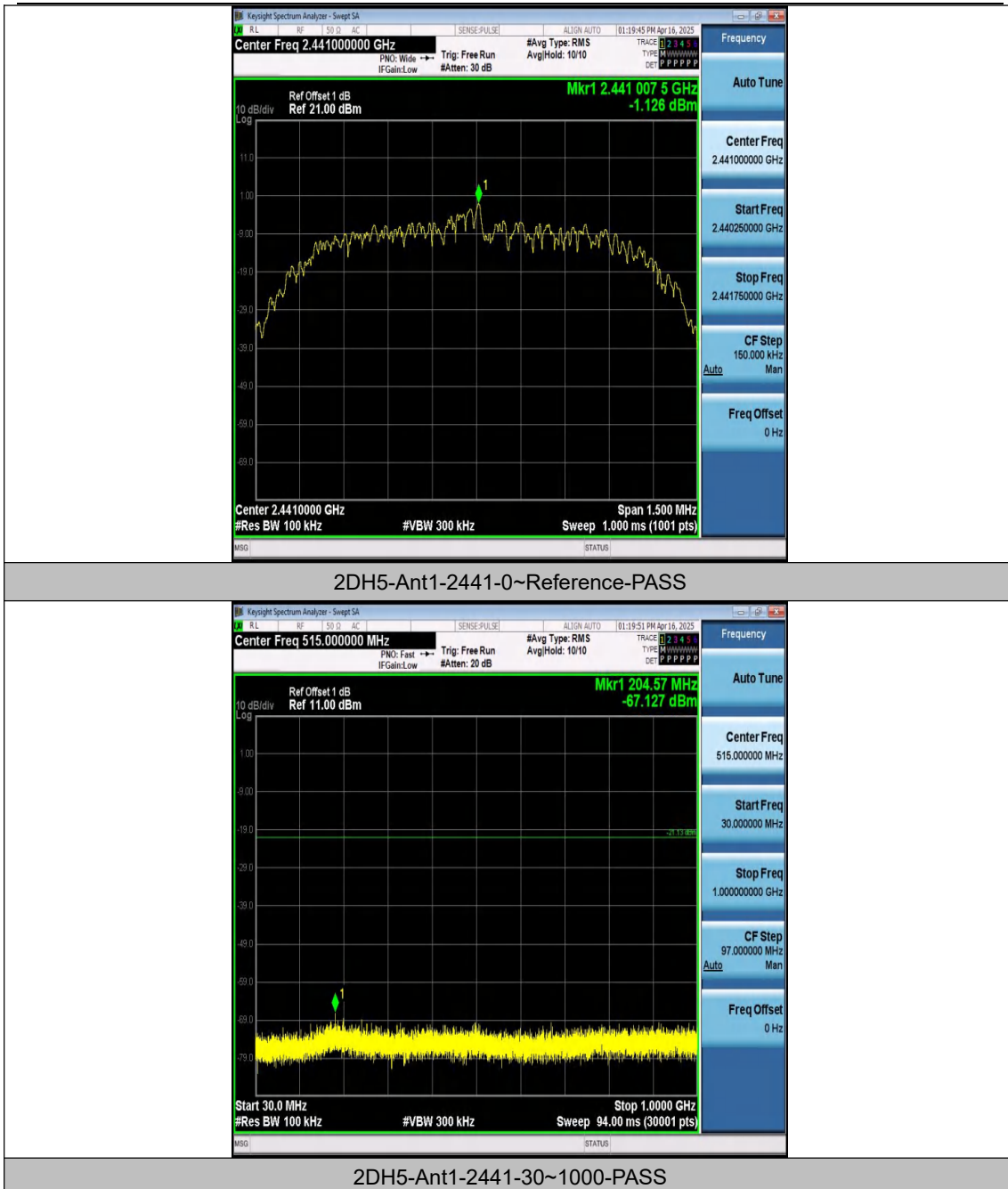


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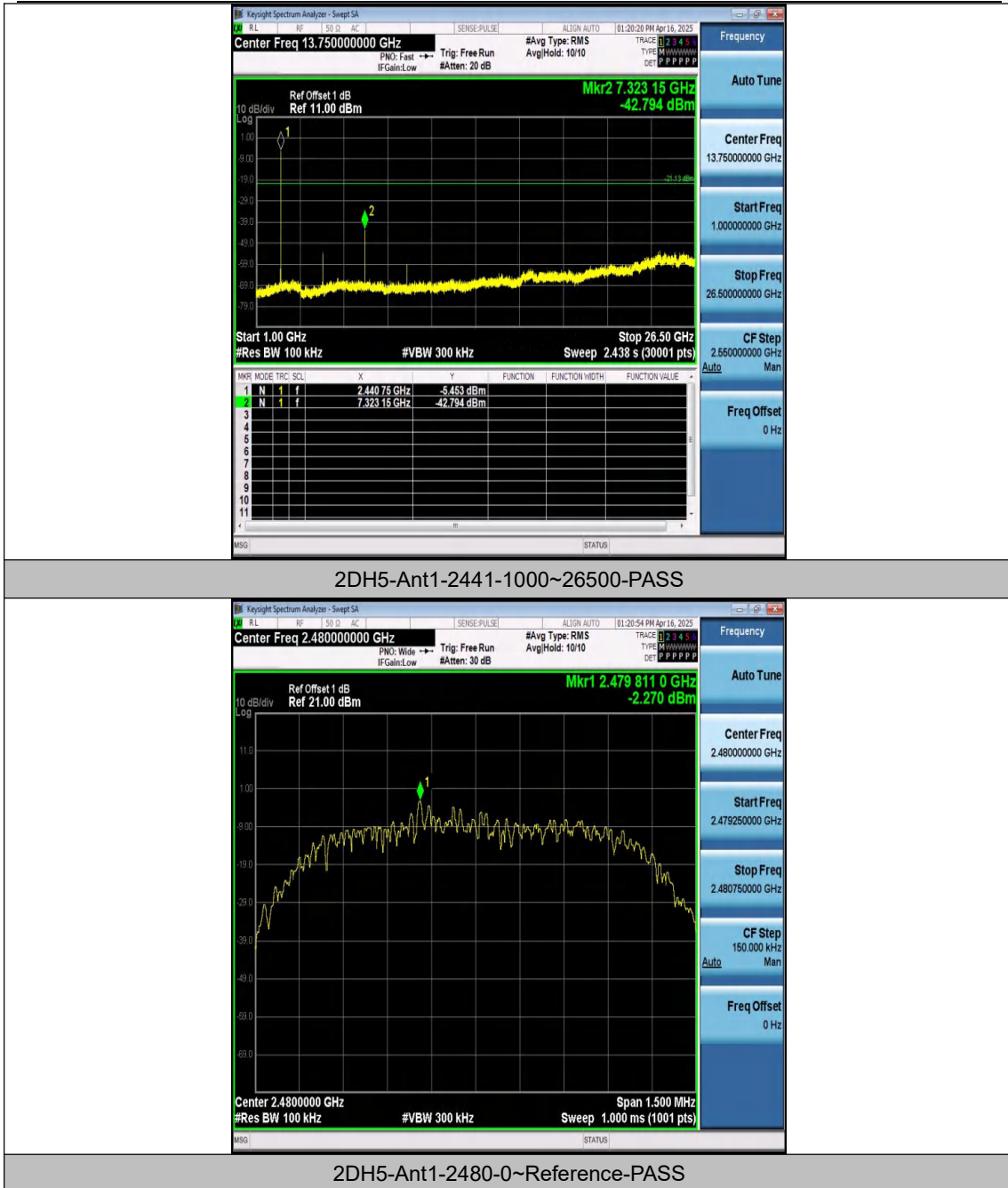




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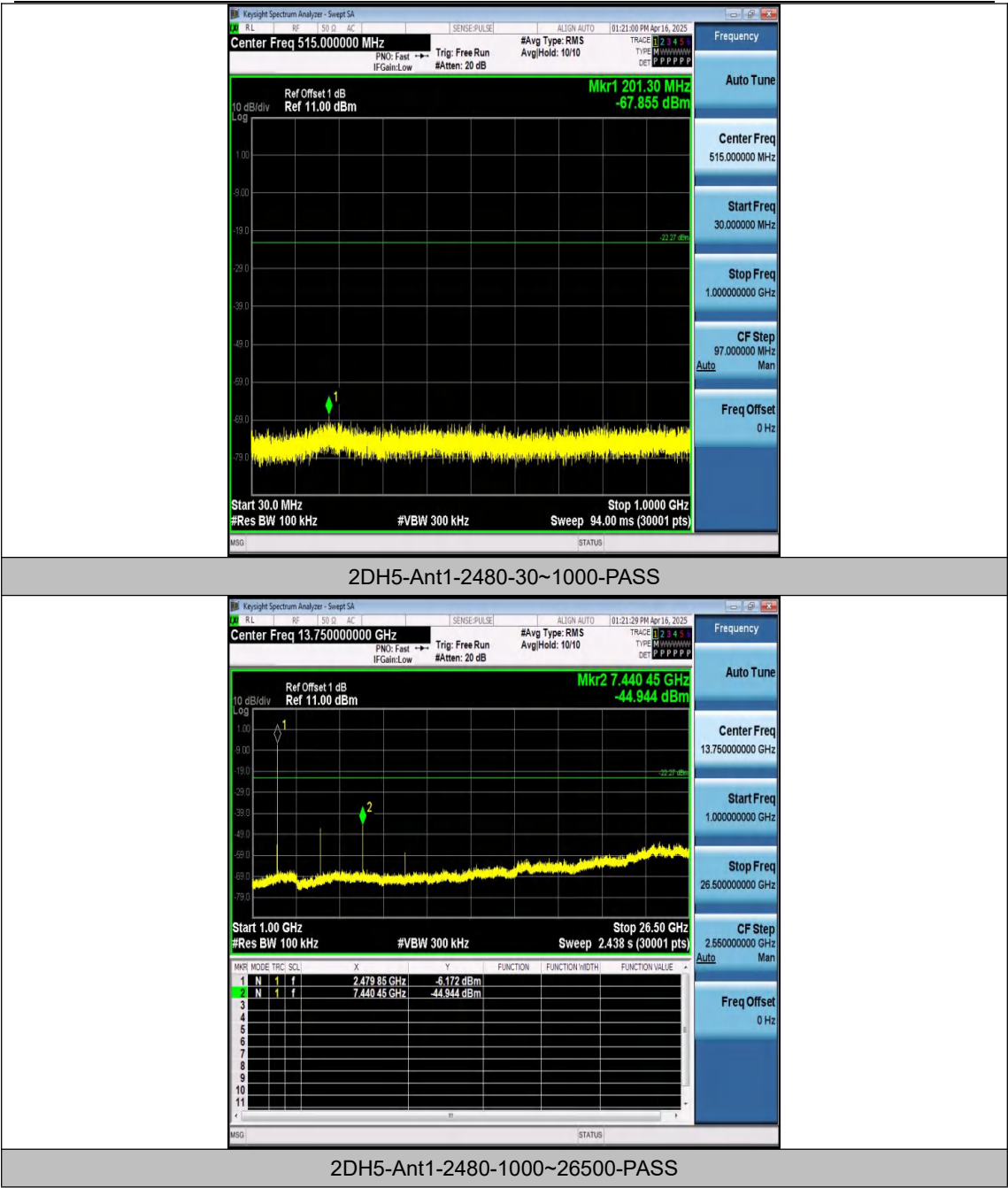
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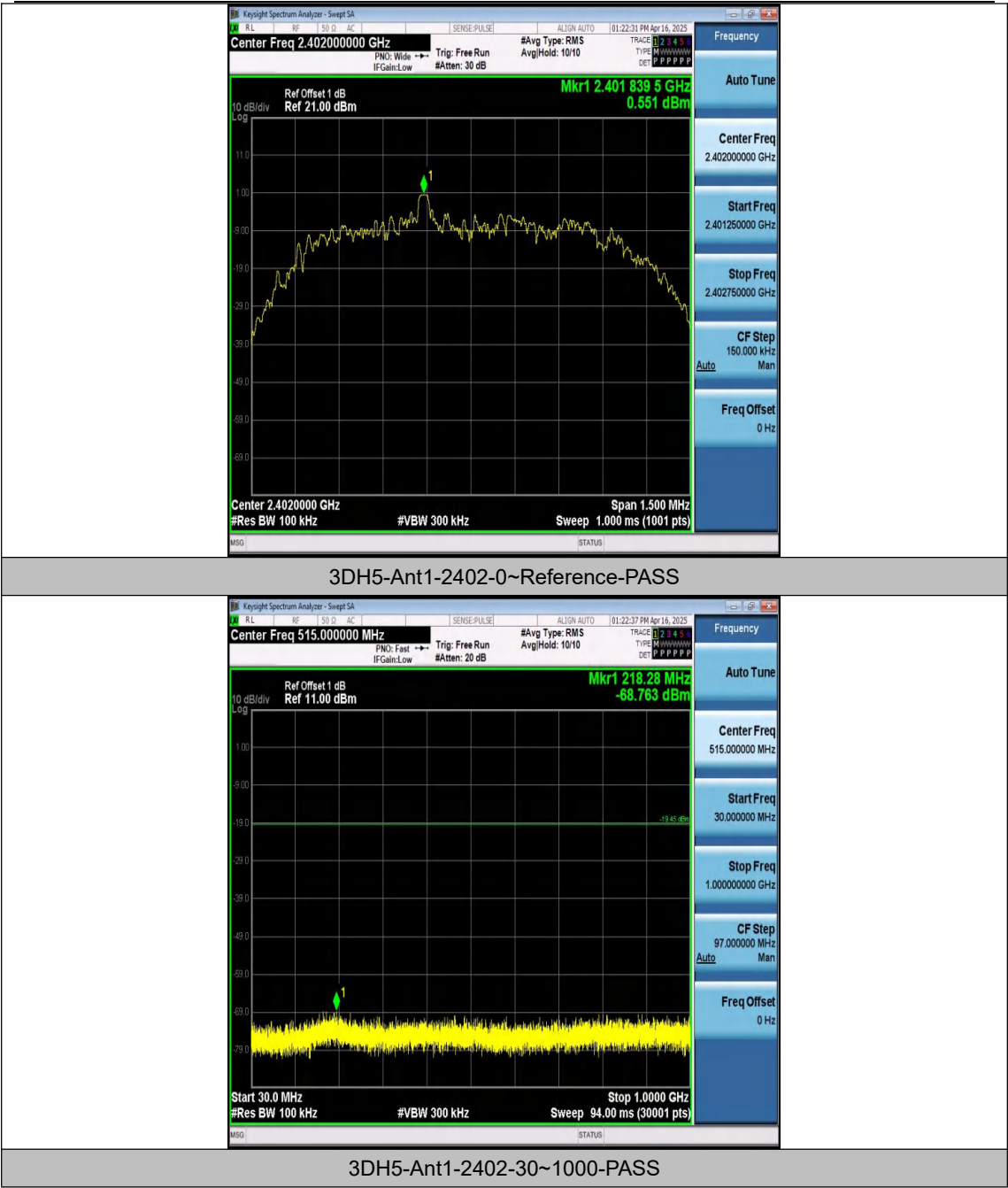
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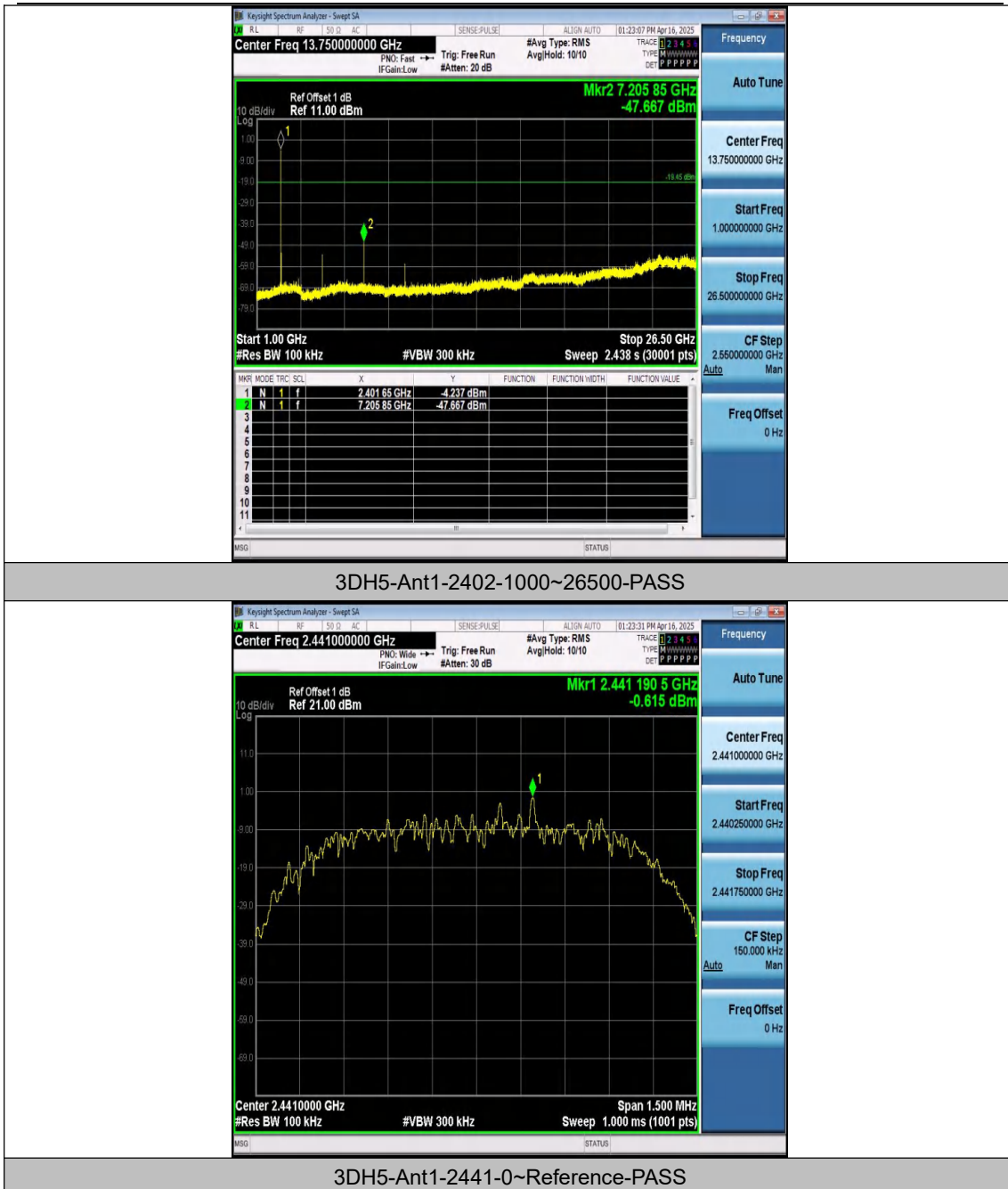


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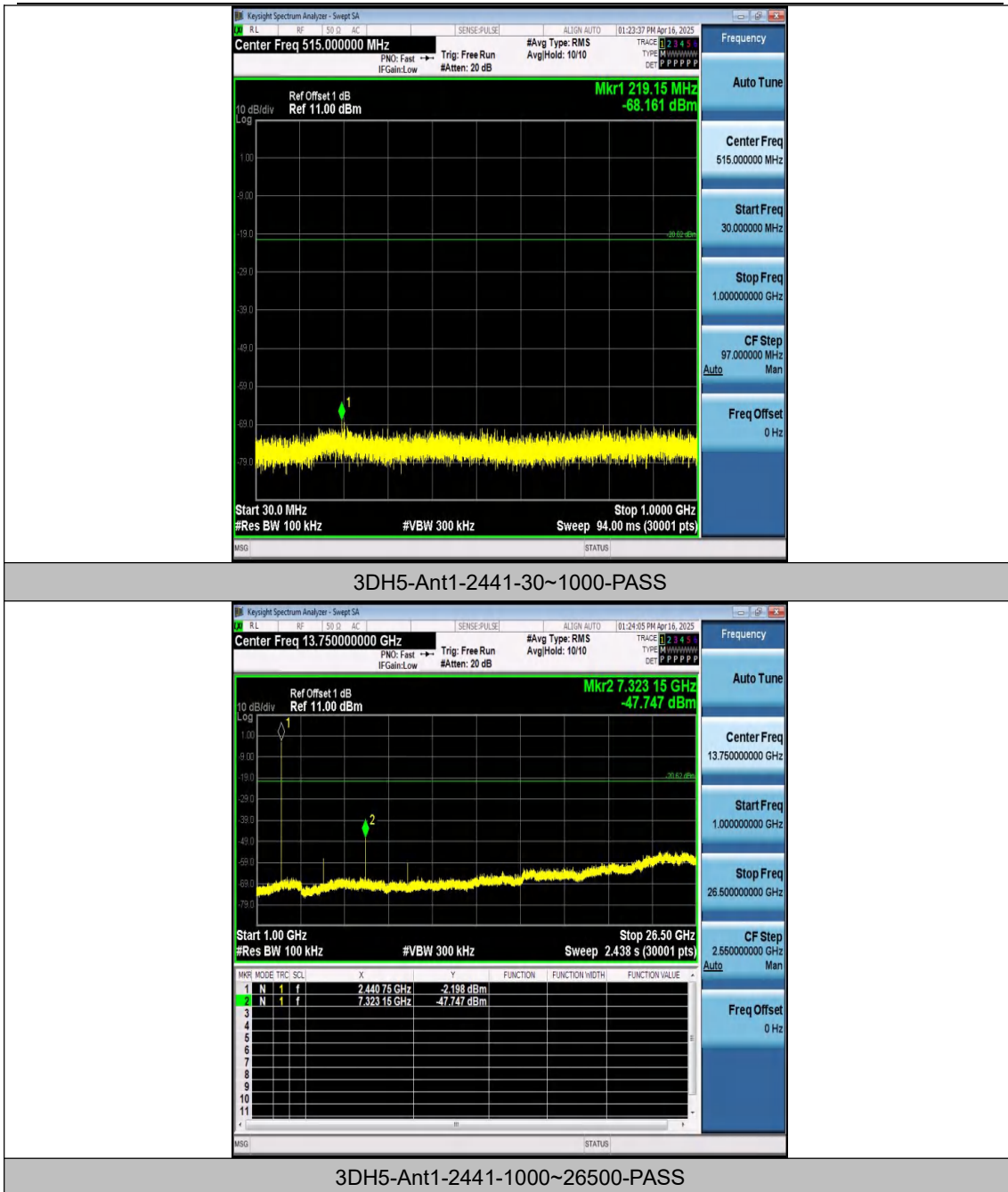




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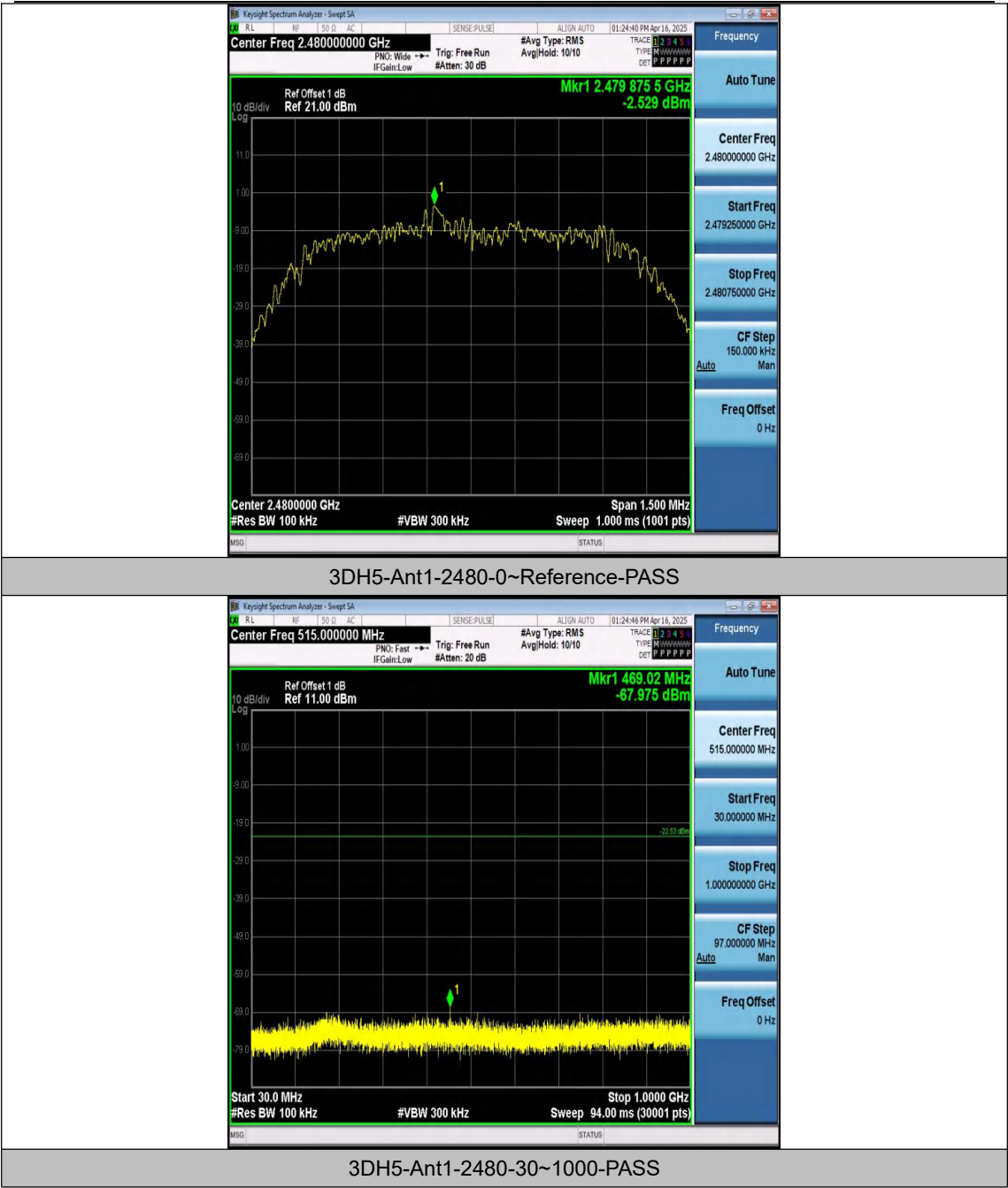
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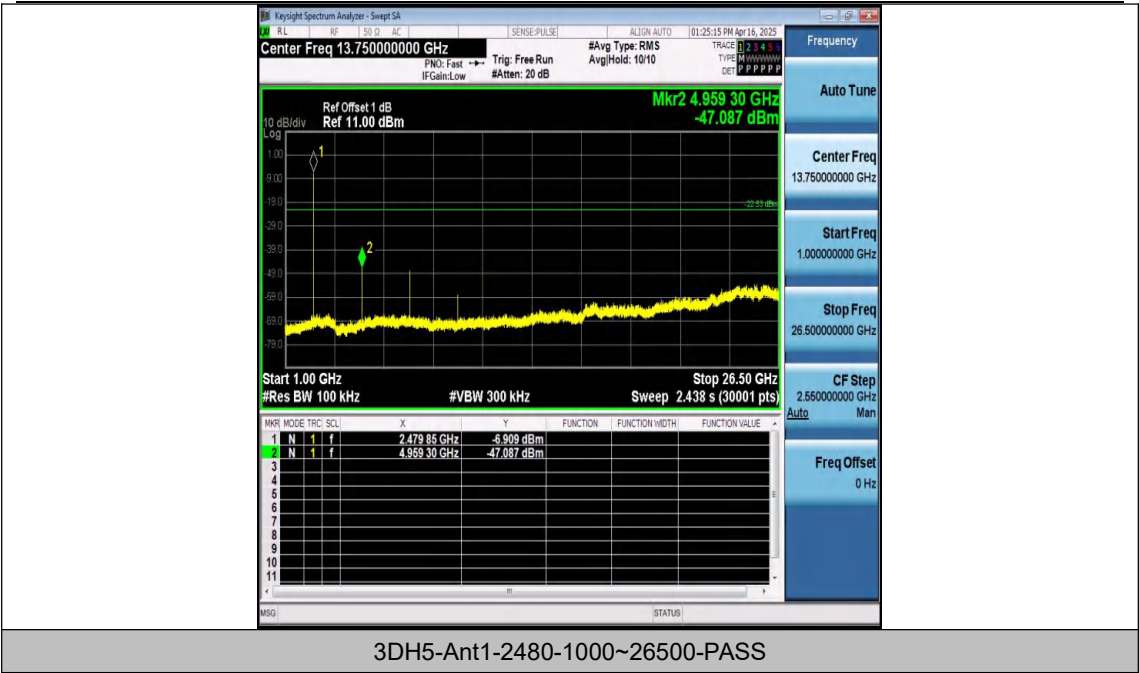
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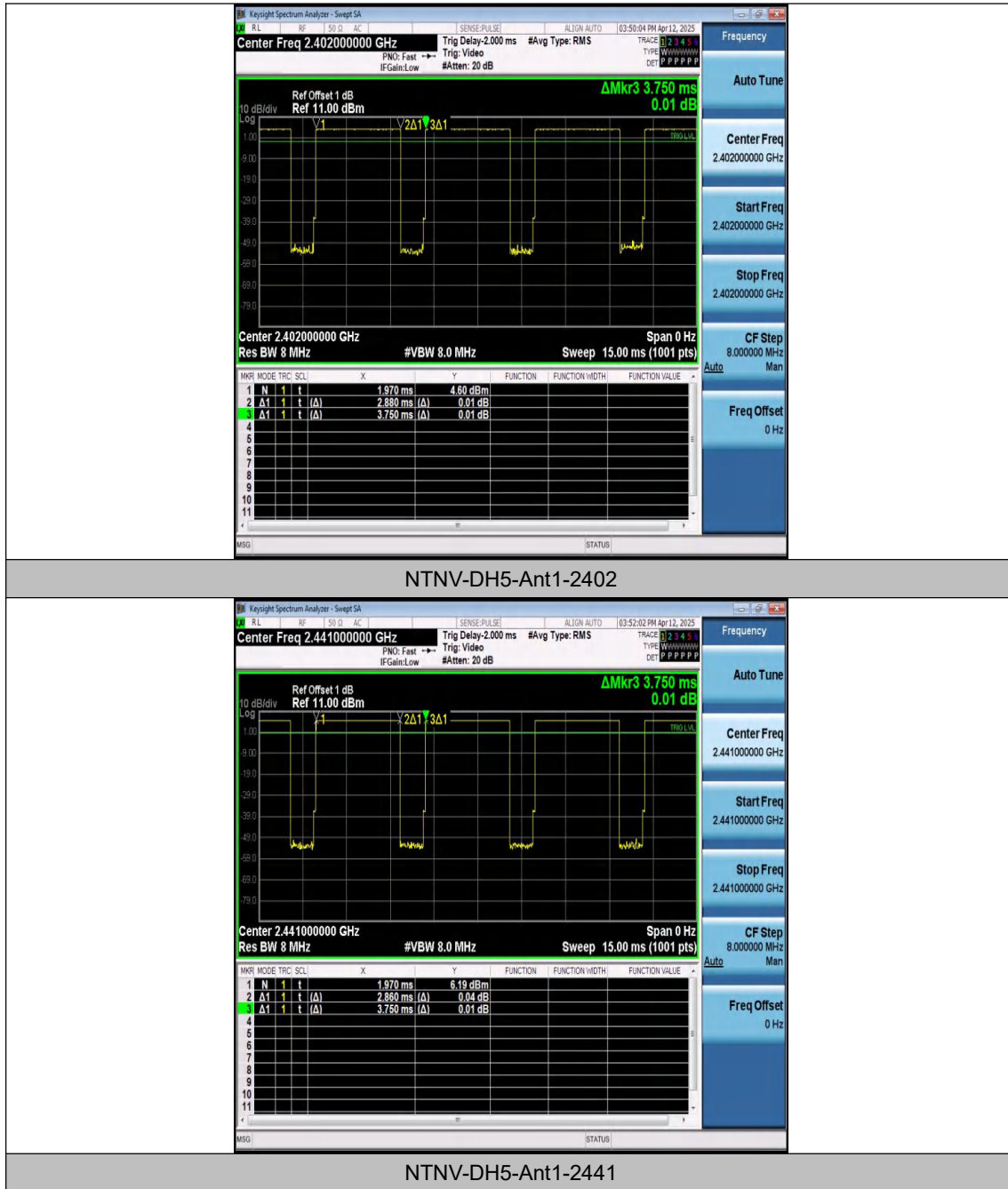
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Appendix I: Duty Cycle

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	2.86	3.75	76.27	1.18
DH5	Ant1	2480	2.86	3.75	76.27	1.18
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

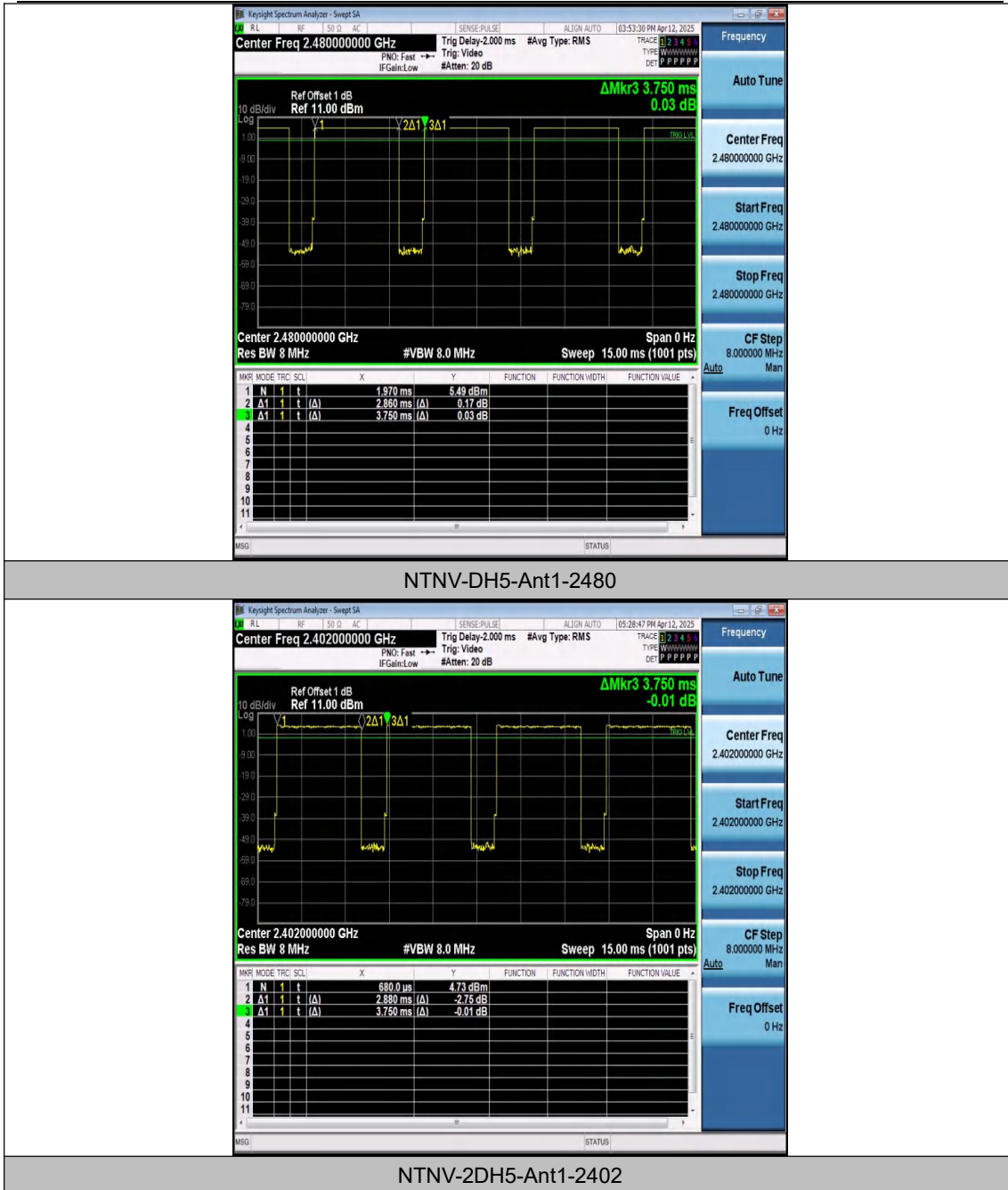
Test Graphs

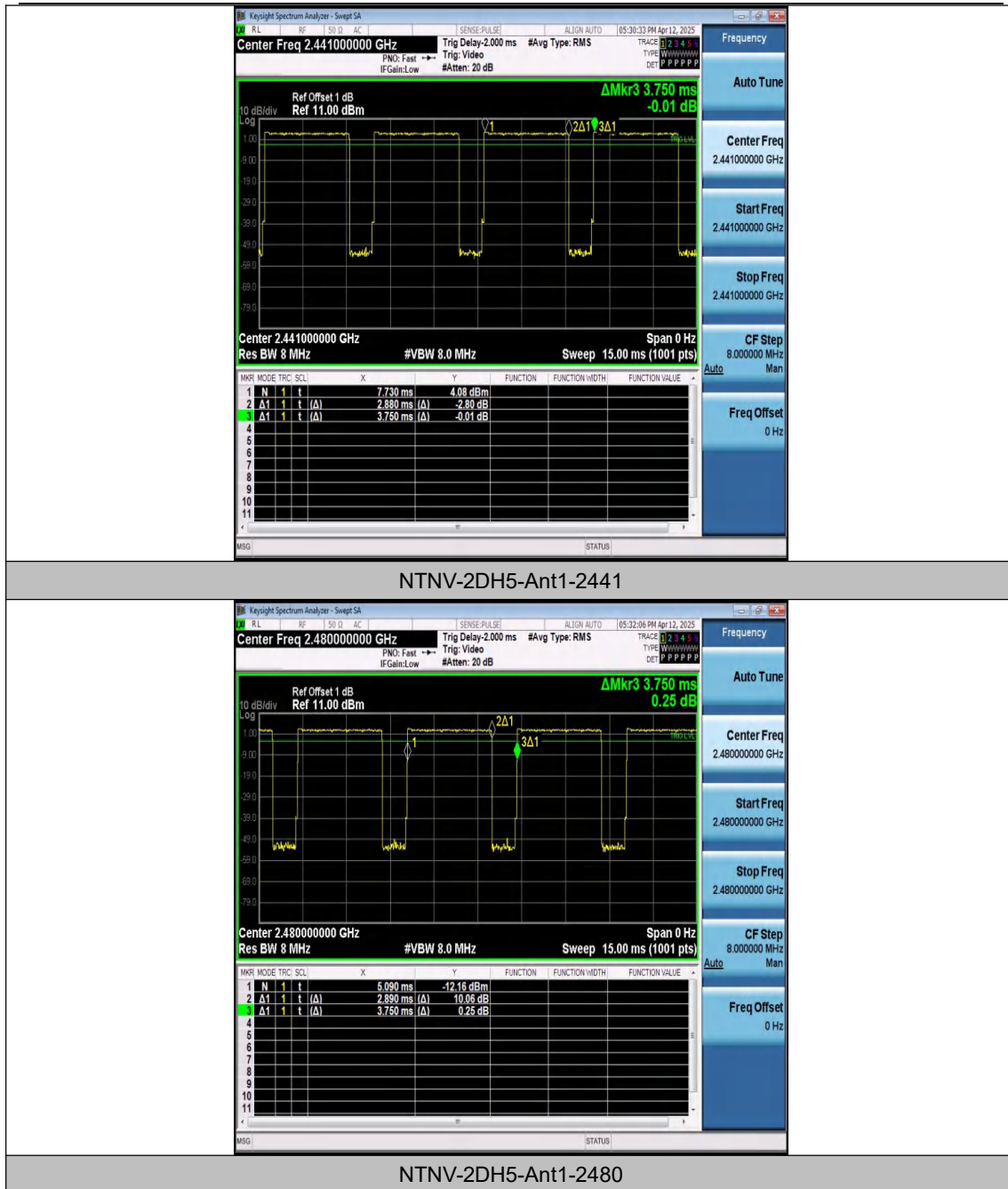


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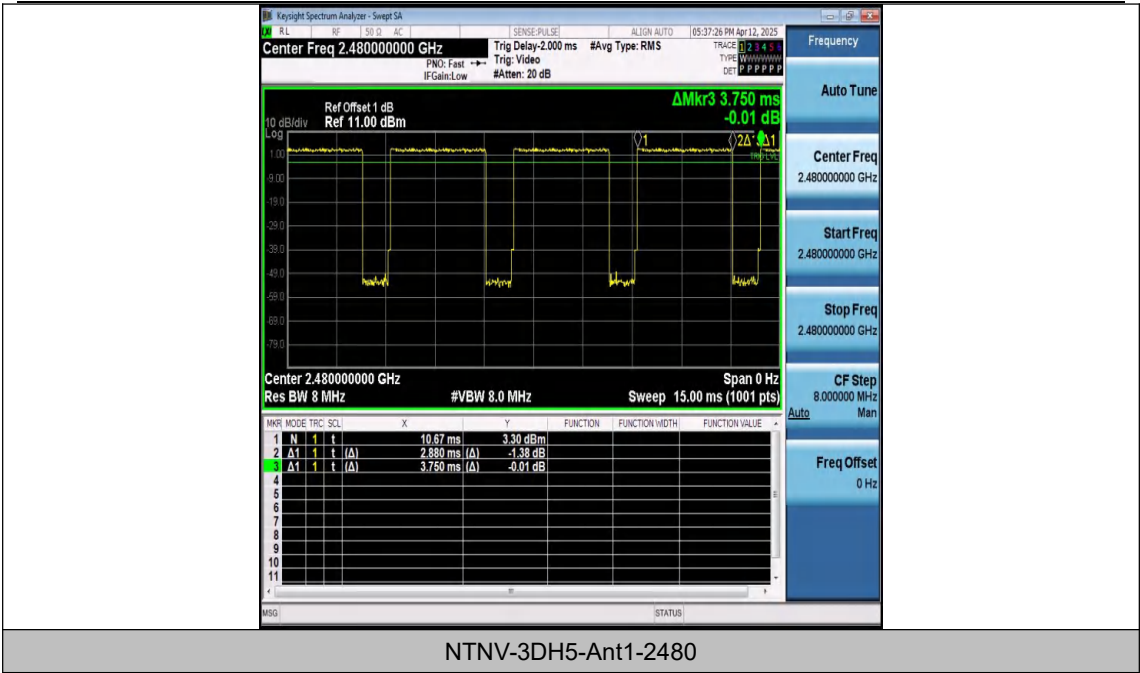


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NTNV-3DH5-Ant1-2480

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