

Appendix Test Data

Report No.:	1812C50677212501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-19	Finish Test Date:	2025-12-19
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.8°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	1.044	2401.484	2402.528	---	---
DH5	Ant1	2441	1.065	2440.469	2441.534	---	---
DH5	Ant1	2480	1.050	2479.487	2480.537	---	---
2DH5	Ant1	2402	1.350	2401.346	2402.696	---	---
2DH5	Ant1	2441	1.377	2440.334	2441.711	---	---
2DH5	Ant1	2480	1.368	2479.337	2480.705	---	---
3DH5	Ant1	2402	1.296	2401.361	2402.657	---	---
3DH5	Ant1	2441	1.341	2440.337	2441.678	---	---
3DH5	Ant1	2480	1.299	2479.367	2480.666	---	---

Test Graphs

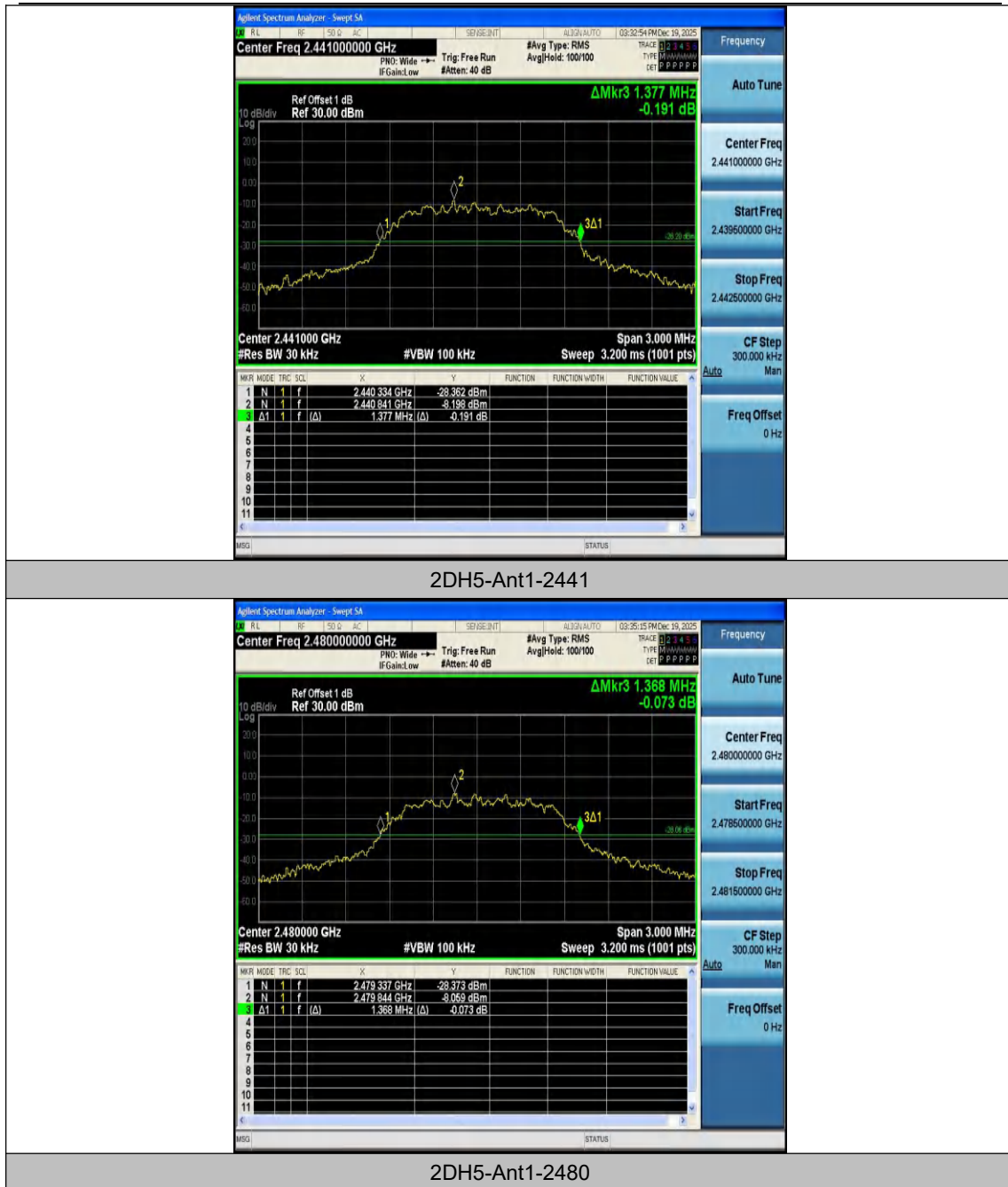


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3DH5-Ant1-2480

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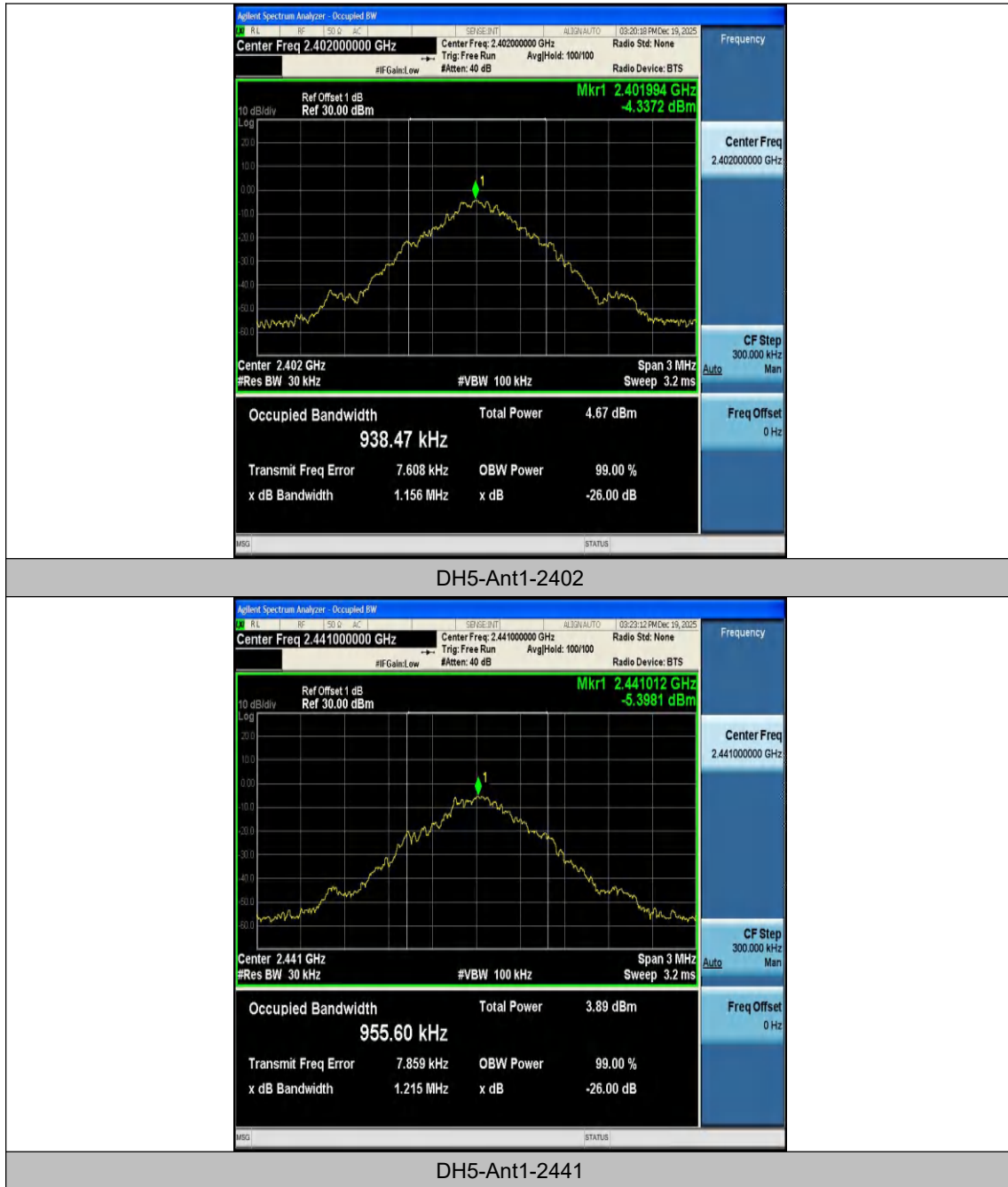
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.93847	2401.5384	2402.4768	---	---
DH5	Ant1	2441	0.95560	2440.5301	2441.4857	---	---
DH5	Ant1	2480	0.97718	2479.5234	2480.5006	---	---
2DH5	Ant1	2402	1.2252	2401.4033	2402.6285	---	---
2DH5	Ant1	2441	1.2346	2440.4073	2441.6419	---	---
2DH5	Ant1	2480	1.2453	2479.4022	2480.6475	---	---
3DH5	Ant1	2402	1.2269	2401.3922	2402.6191	---	---
3DH5	Ant1	2441	1.2378	2440.3908	2441.6286	---	---
3DH5	Ant1	2480	1.2584	2479.3844	2480.6428	---	---

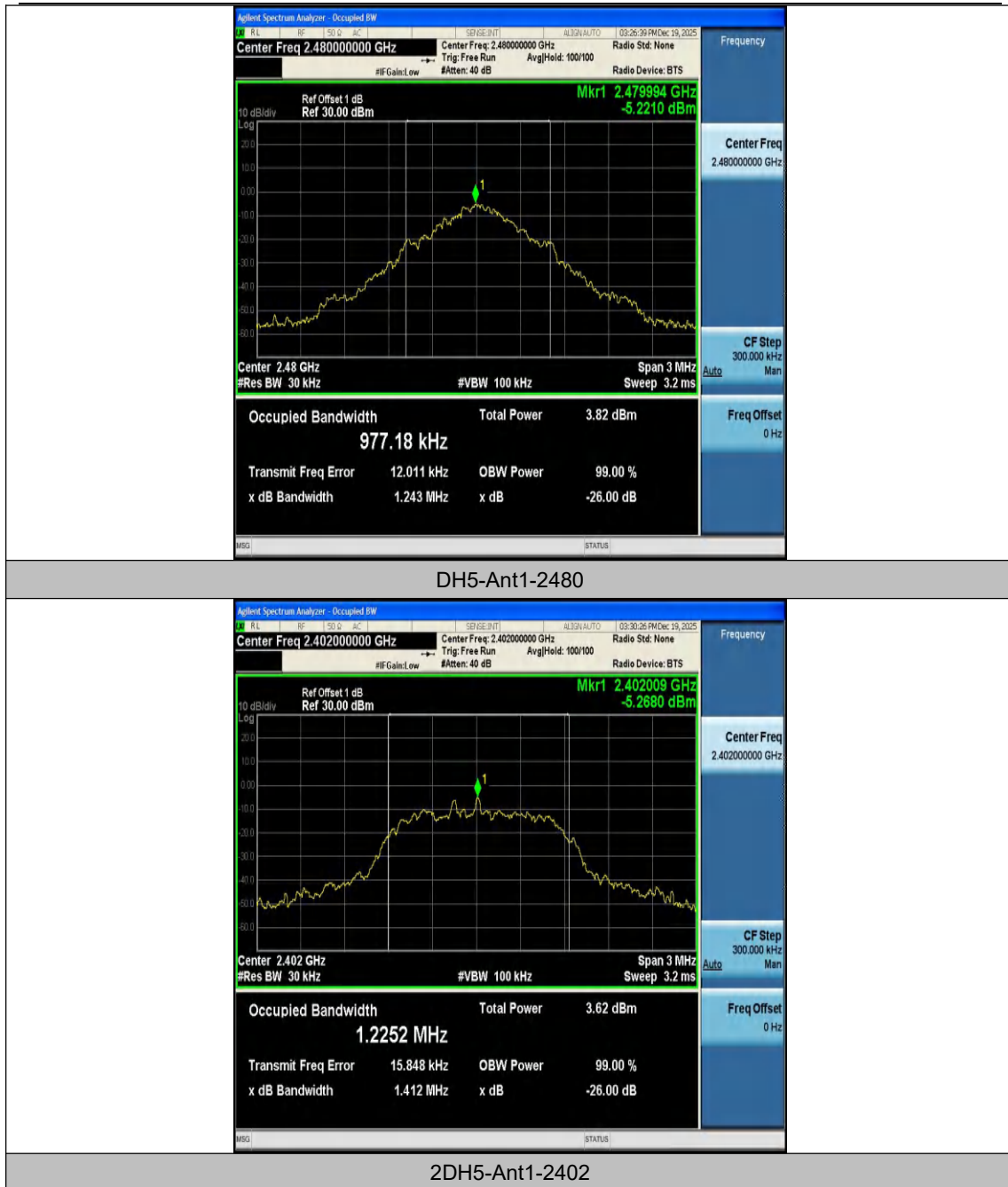
Test Graphs



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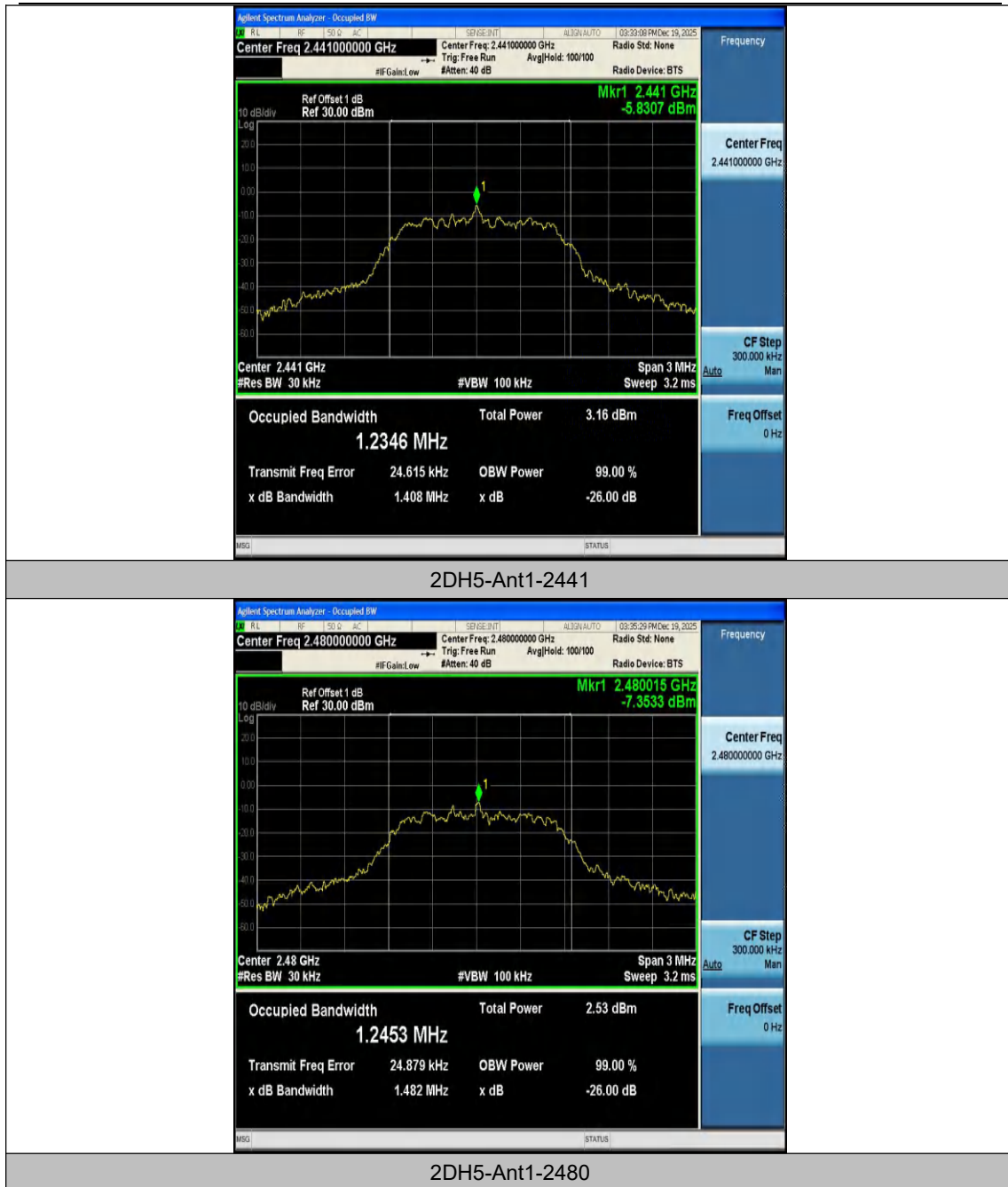
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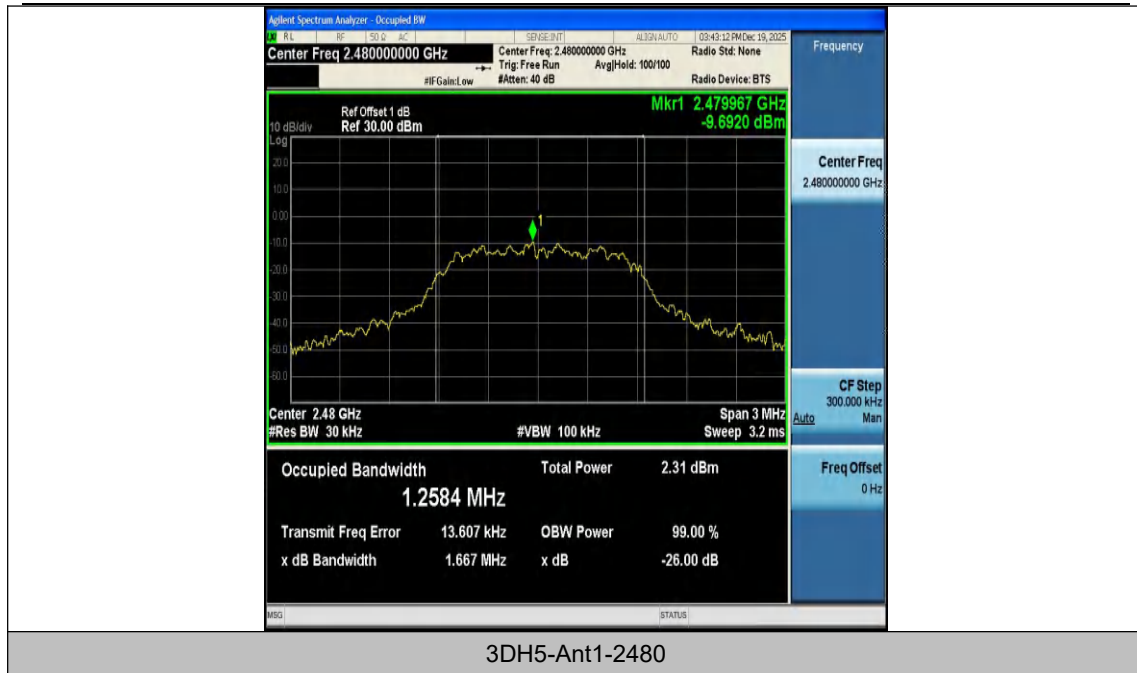
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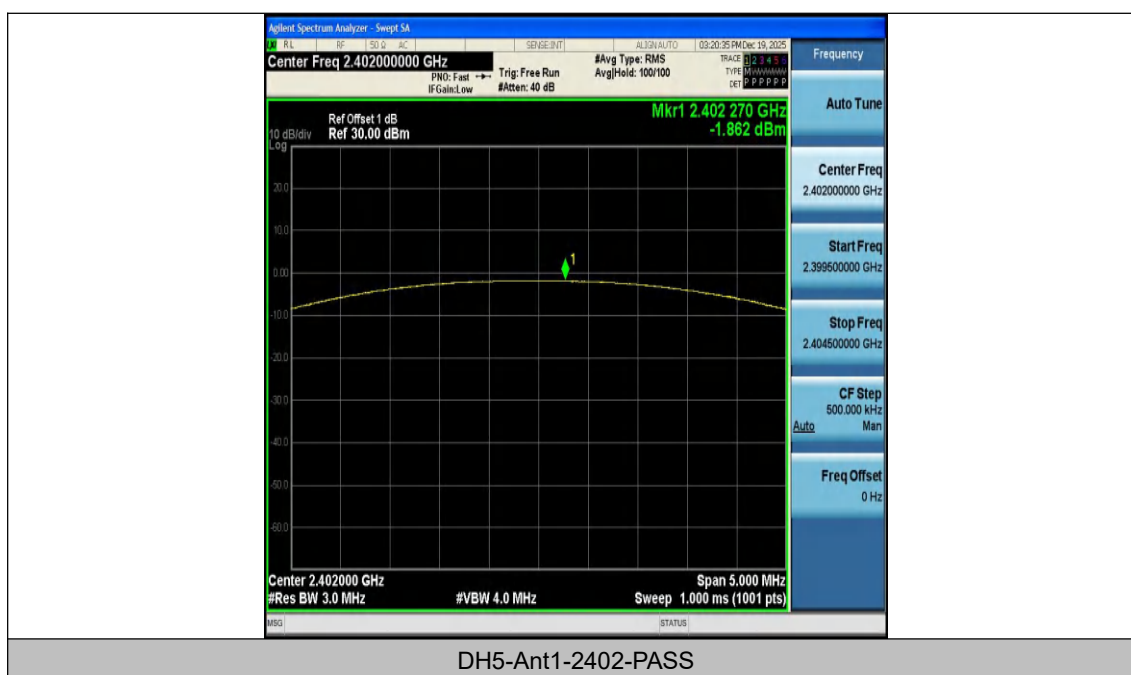
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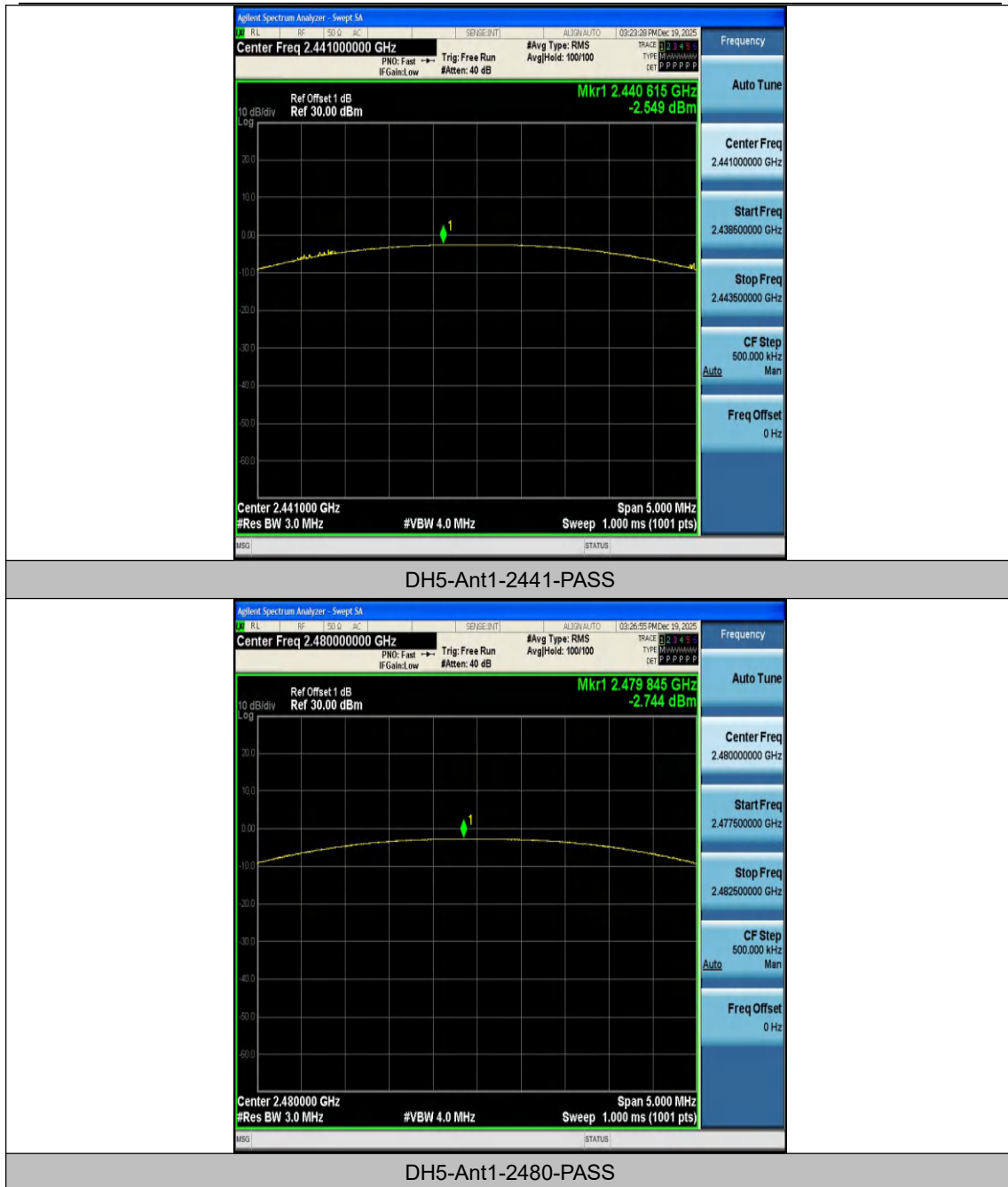
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.86	≤20.97	PASS
DH5	Ant1	2441	-2.55	≤20.97	PASS
DH5	Ant1	2480	-2.74	≤20.97	PASS
2DH5	Ant1	2402	-1.03	≤20.97	PASS
2DH5	Ant1	2441	-1.74	≤20.97	PASS
2DH5	Ant1	2480	-2.13	≤20.97	PASS
3DH5	Ant1	2402	-0.66	≤20.97	PASS
3DH5	Ant1	2441	-1.33	≤20.97	PASS
3DH5	Ant1	2480	-1.70	≤20.97	PASS

Test Graphs

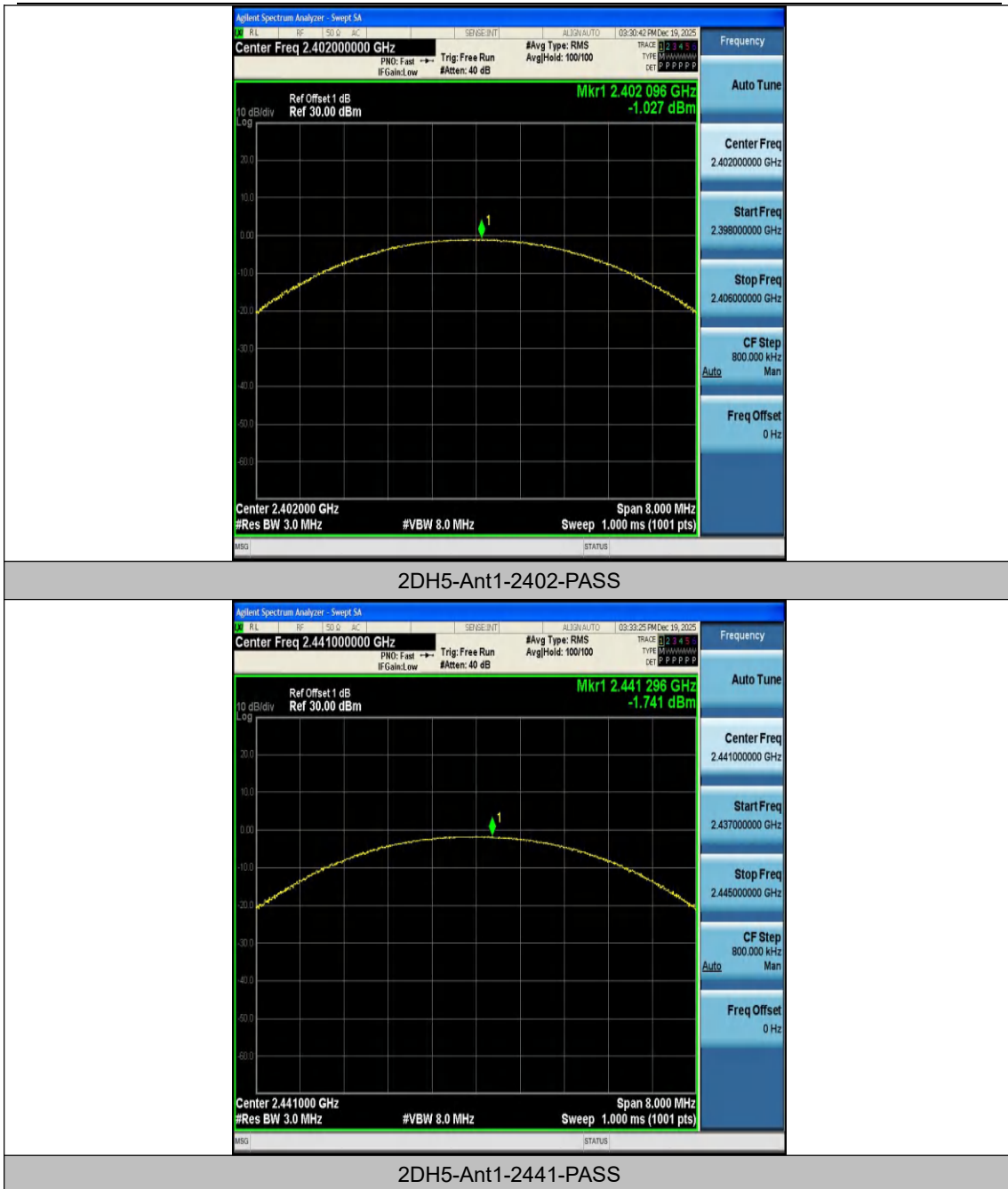




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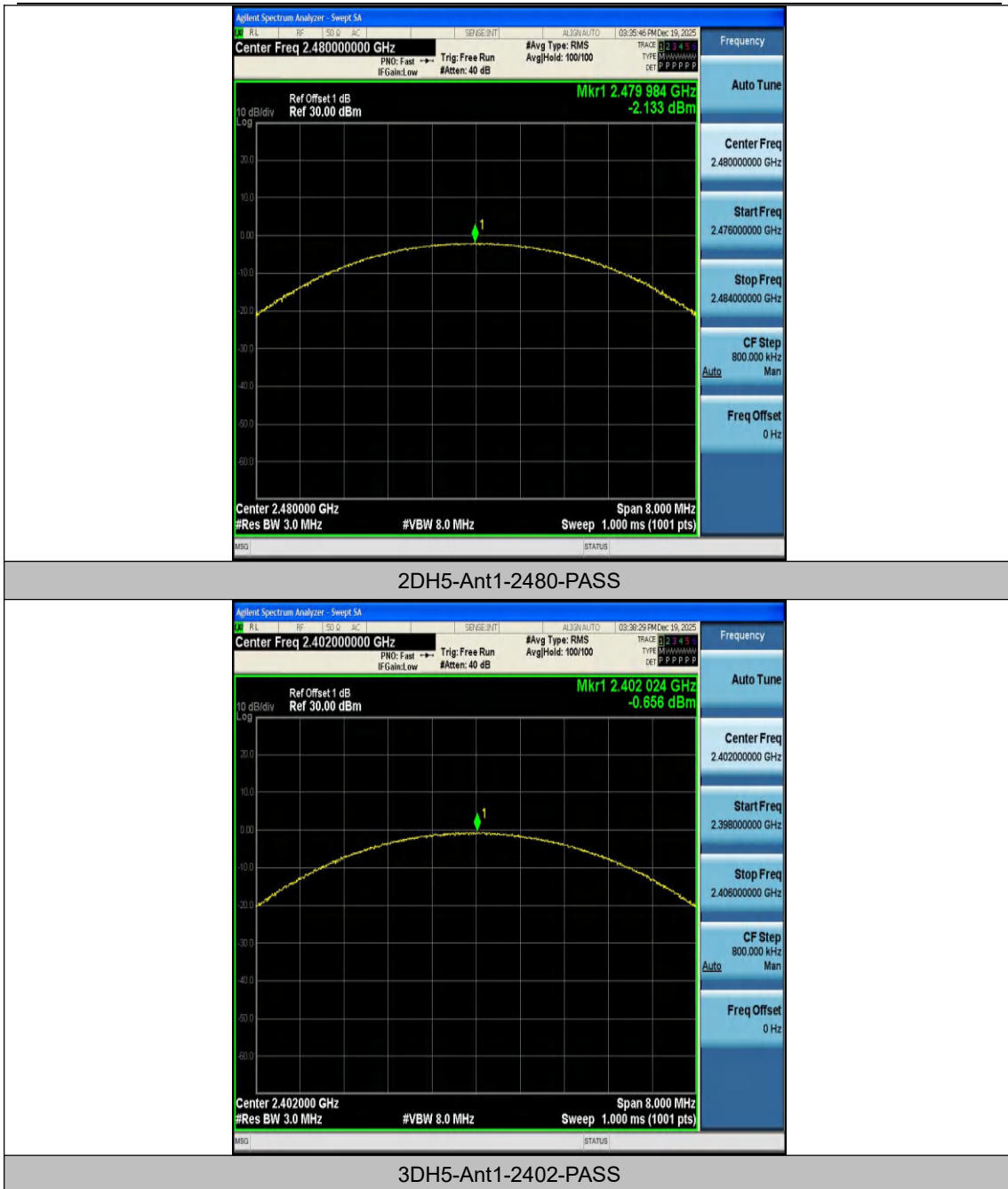
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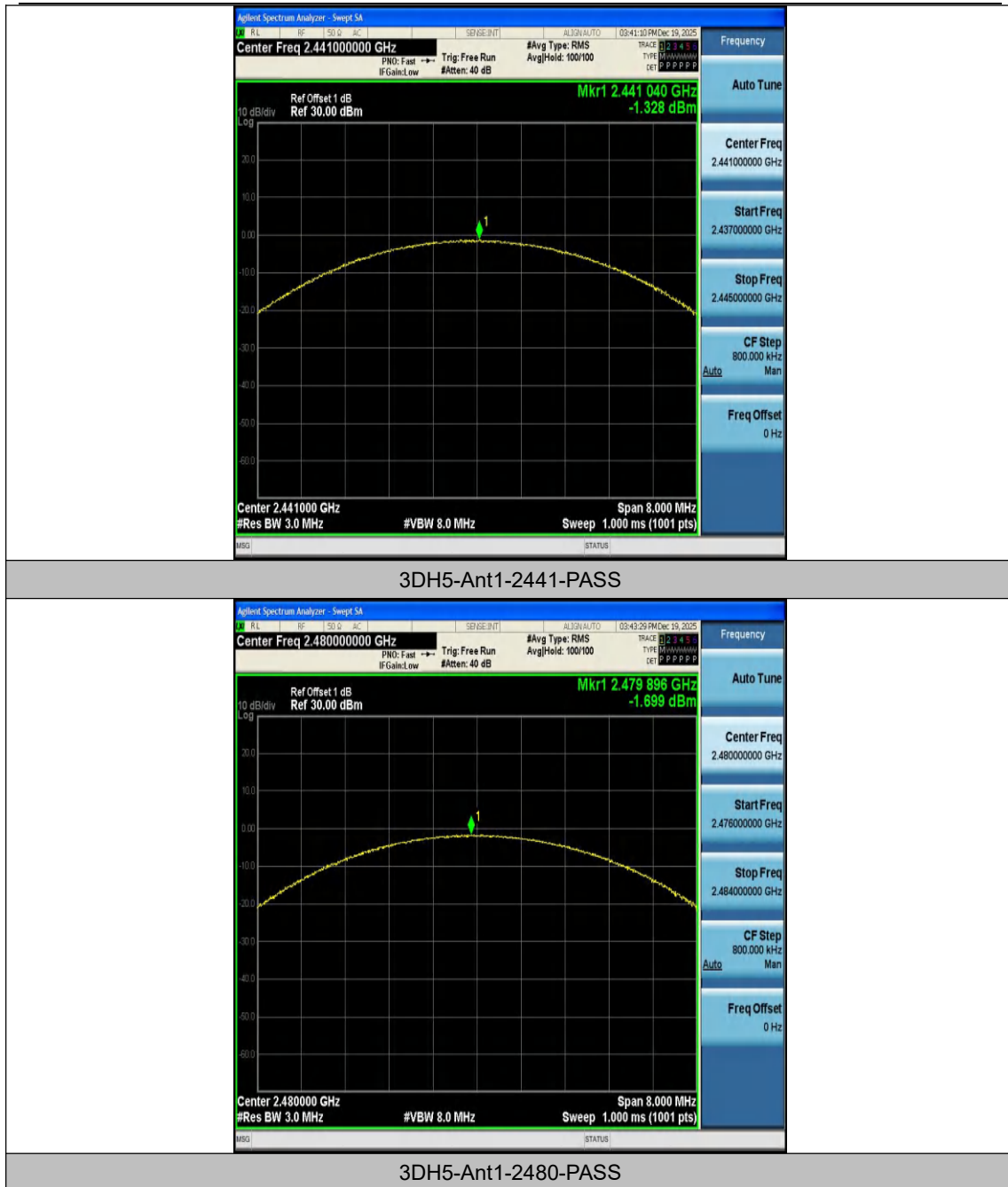
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.834	≥ 0.710	PASS
2DH5	Ant1	Hop	0.982	≥ 0.918	PASS
3DH5	Ant1	Hop	1	≥ 0.894	PASS

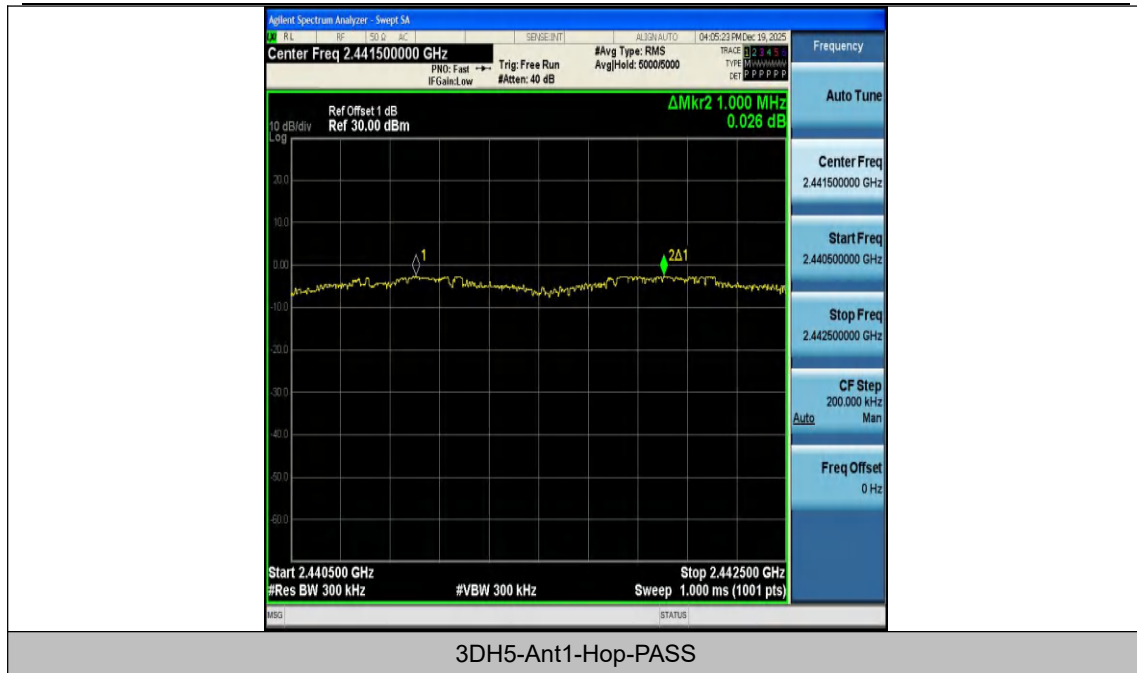
Test Graphs



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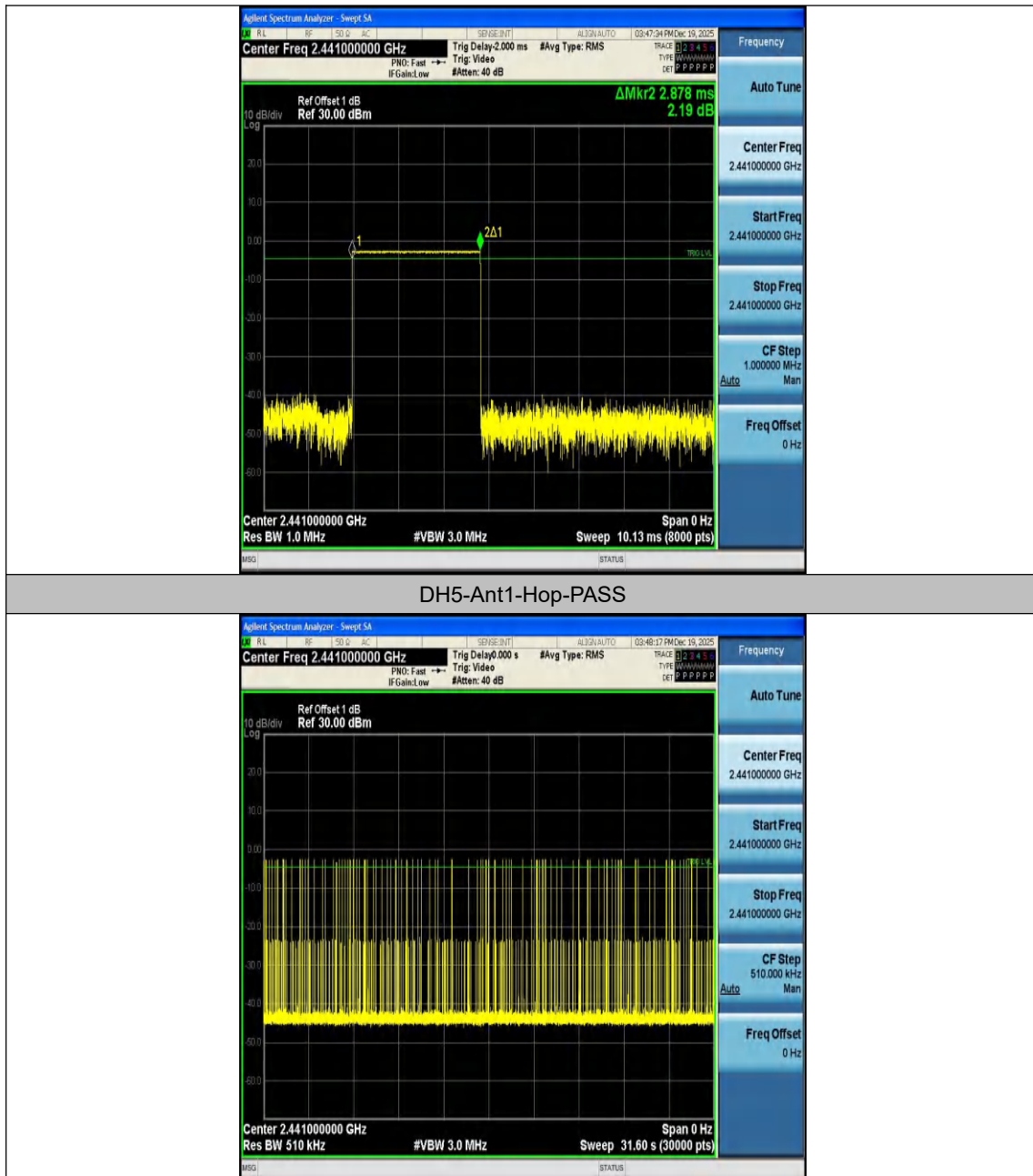
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	112	0.322	≤0.4	PASS
2DH5	Ant1	Hop	2.884	121	0.349	≤0.4	PASS
3DH5	Ant1	Hop	2.887	117	0.338	≤0.4	PASS

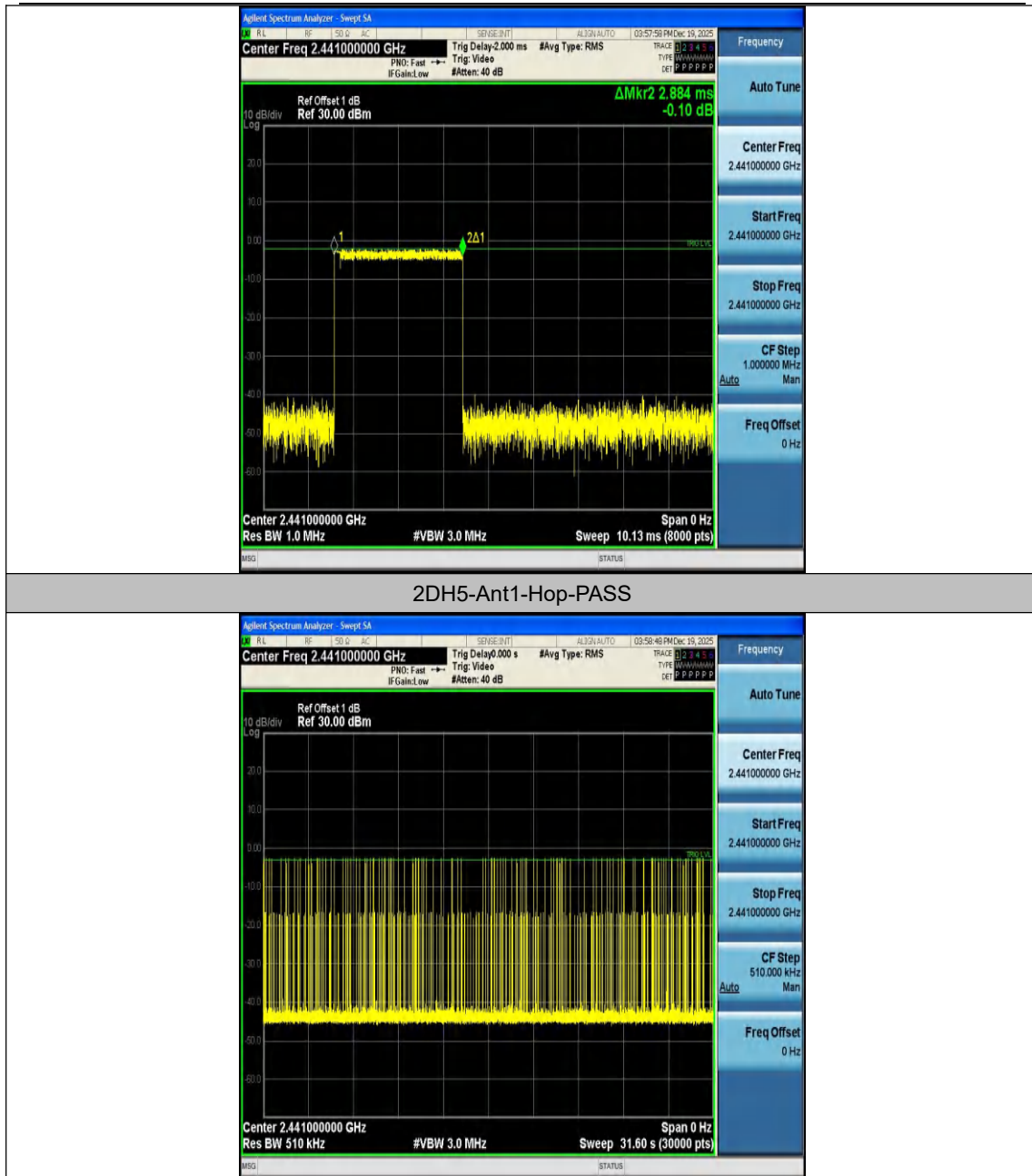
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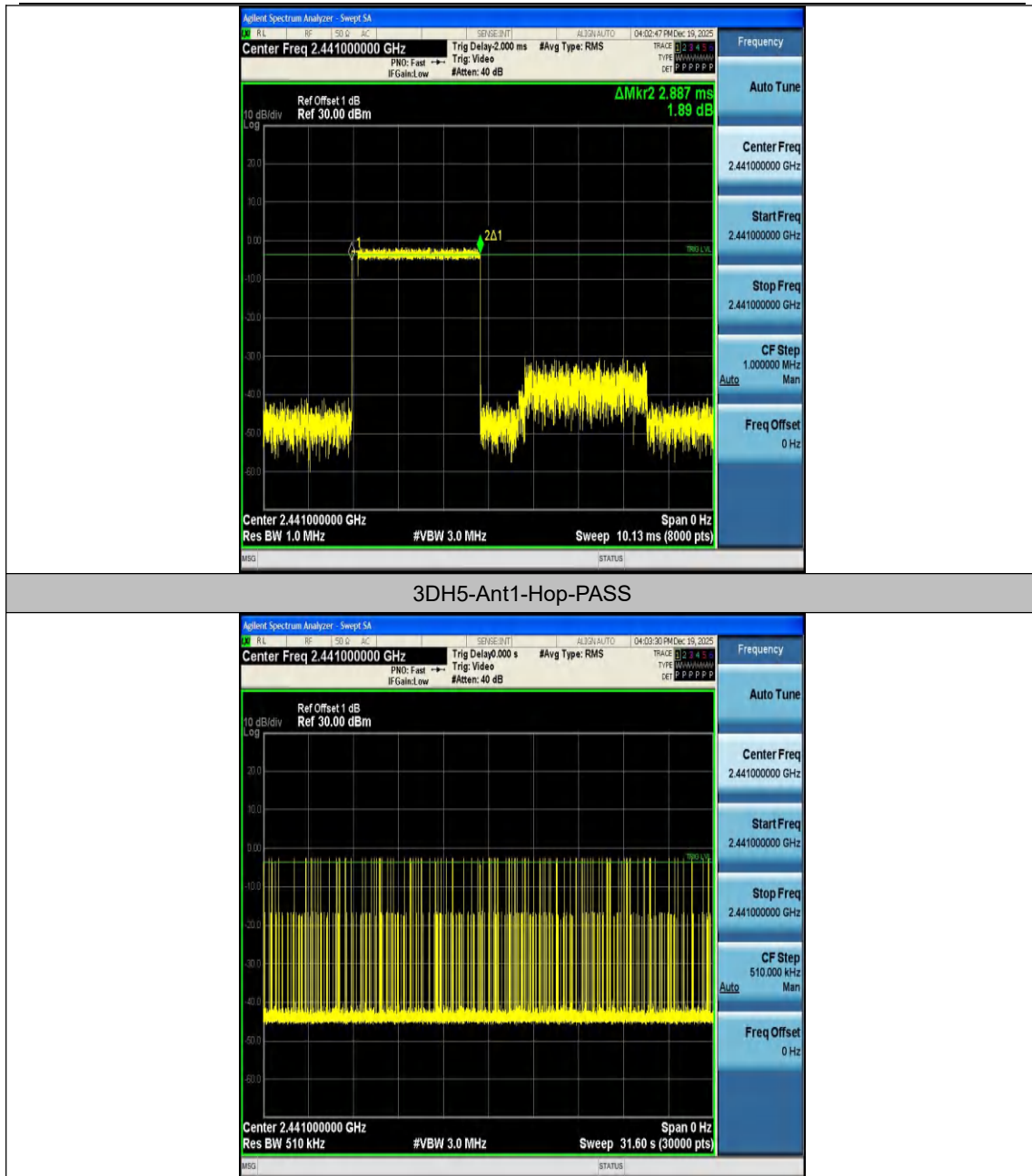
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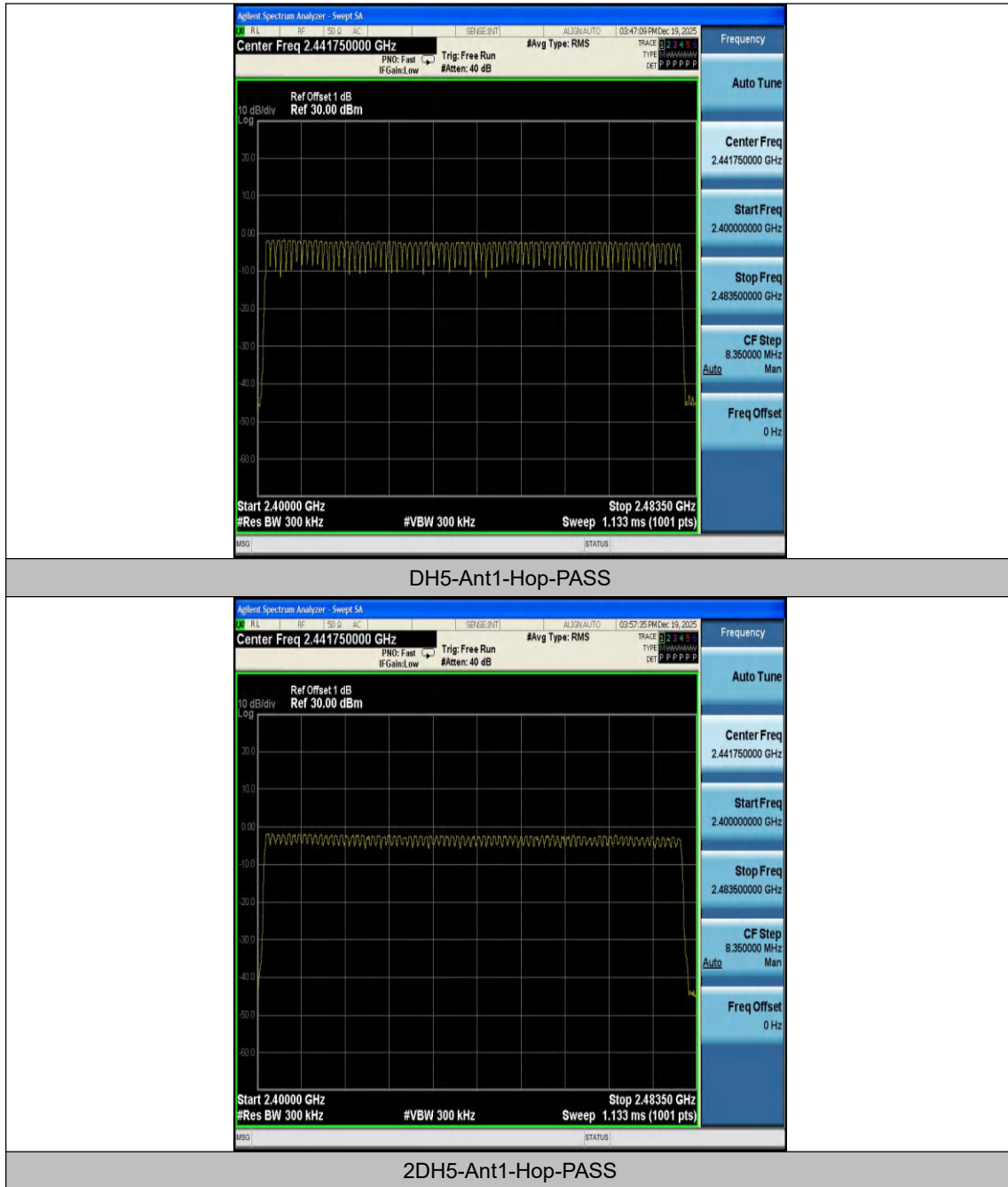
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Appendix F: Number of Hopping Channel

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

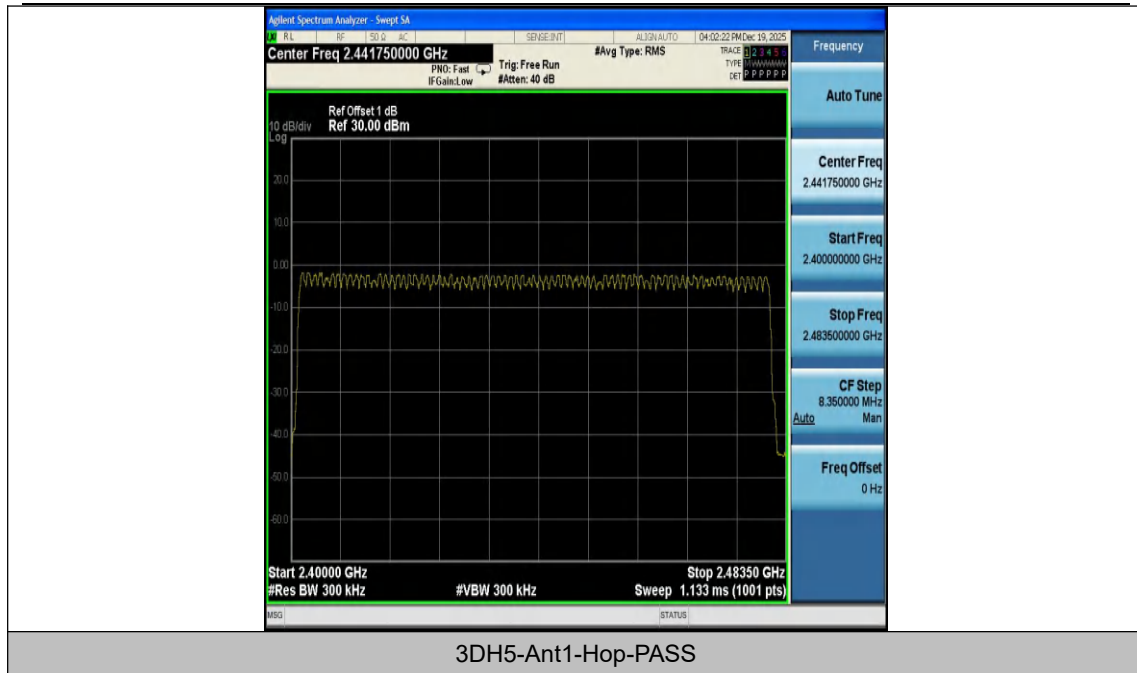
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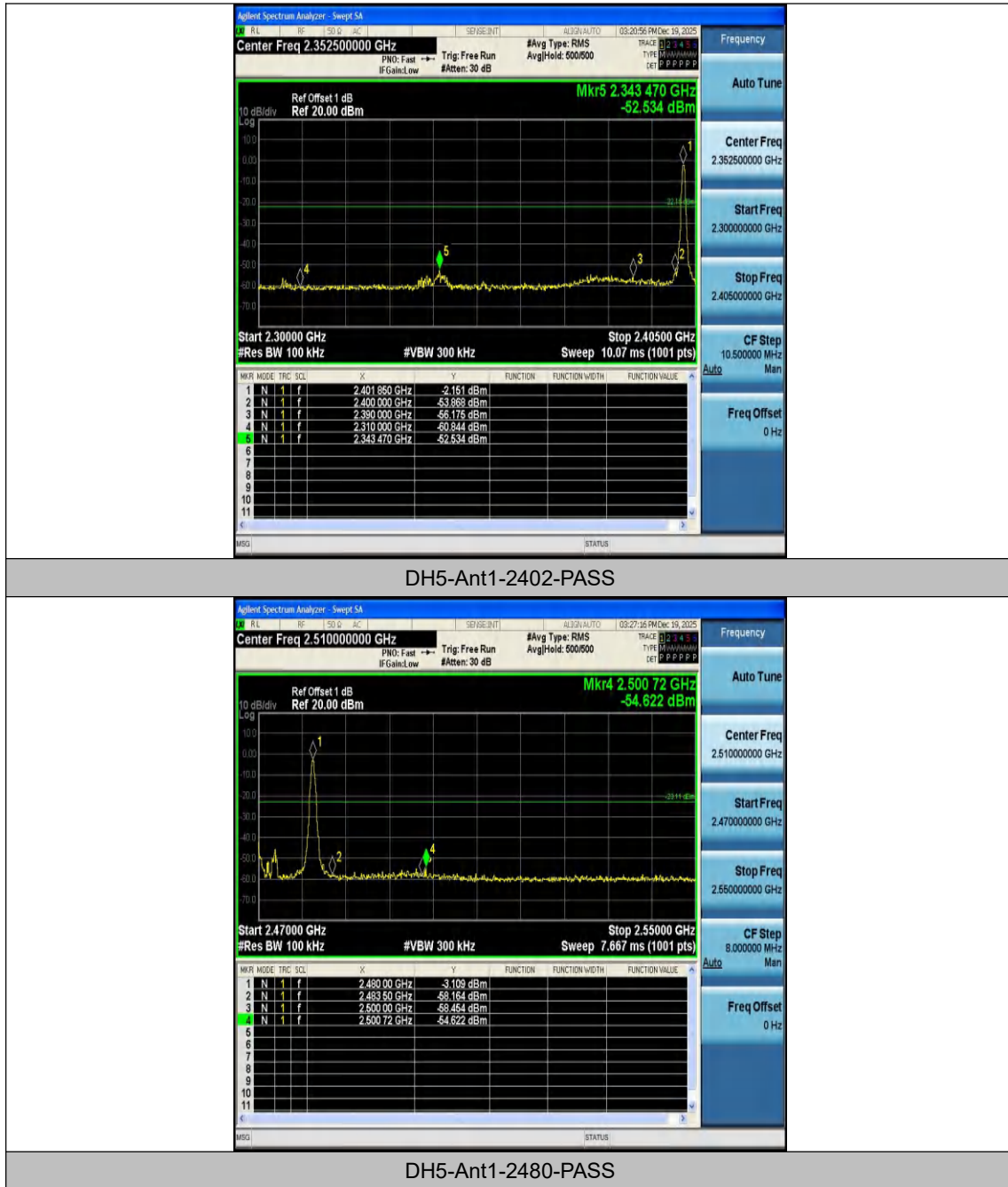
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.15	-52.53	≤-22.15	PASS
DH5	Ant1	High	2480	-3.11	-54.62	≤-23.11	PASS
DH5	Ant1	Low	Hop_2402	-2.35	-54.55	≤-22.35	PASS
DH5	Ant1	High	Hop_2480	-2.70	-56.32	≤-22.7	PASS
2DH5	Ant1	Low	2402	-2.15	-52.43	≤-22.15	PASS
2DH5	Ant1	High	2480	-3.12	-55.55	≤-23.12	PASS
2DH5	Ant1	Low	Hop_2402	-6.03	-55.54	≤-26.03	PASS
2DH5	Ant1	High	Hop_2480	-3.87	-55.8	≤-23.87	PASS
3DH5	Ant1	Low	2402	-2.11	-53.95	≤-22.11	PASS
3DH5	Ant1	High	2480	-3.14	-38.04	≤-23.14	PASS
3DH5	Ant1	Low	Hop_2402	-4.96	-55.97	≤-24.96	PASS
3DH5	Ant1	High	Hop_2480	-3.69	-55.93	≤-23.69	PASS

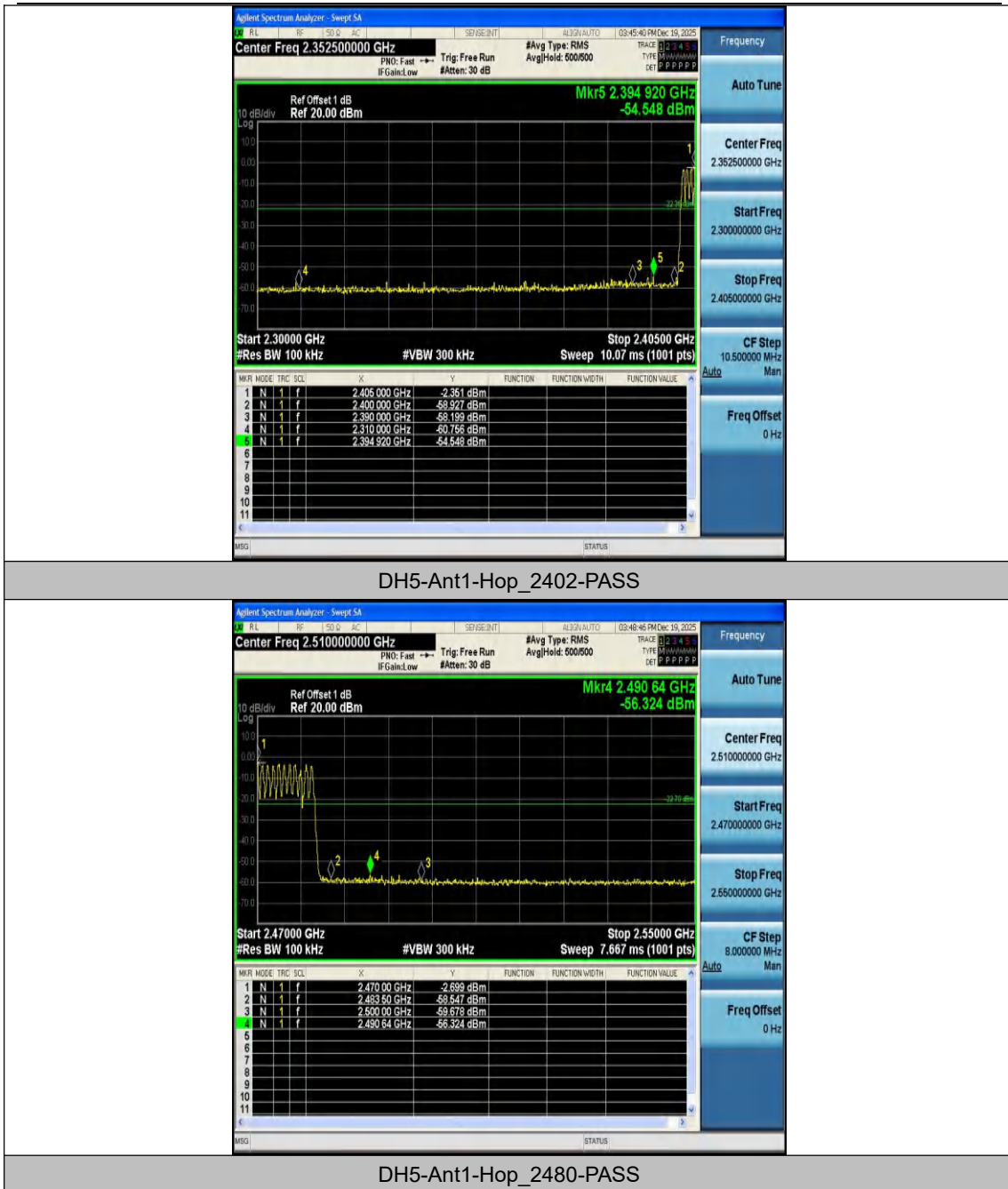
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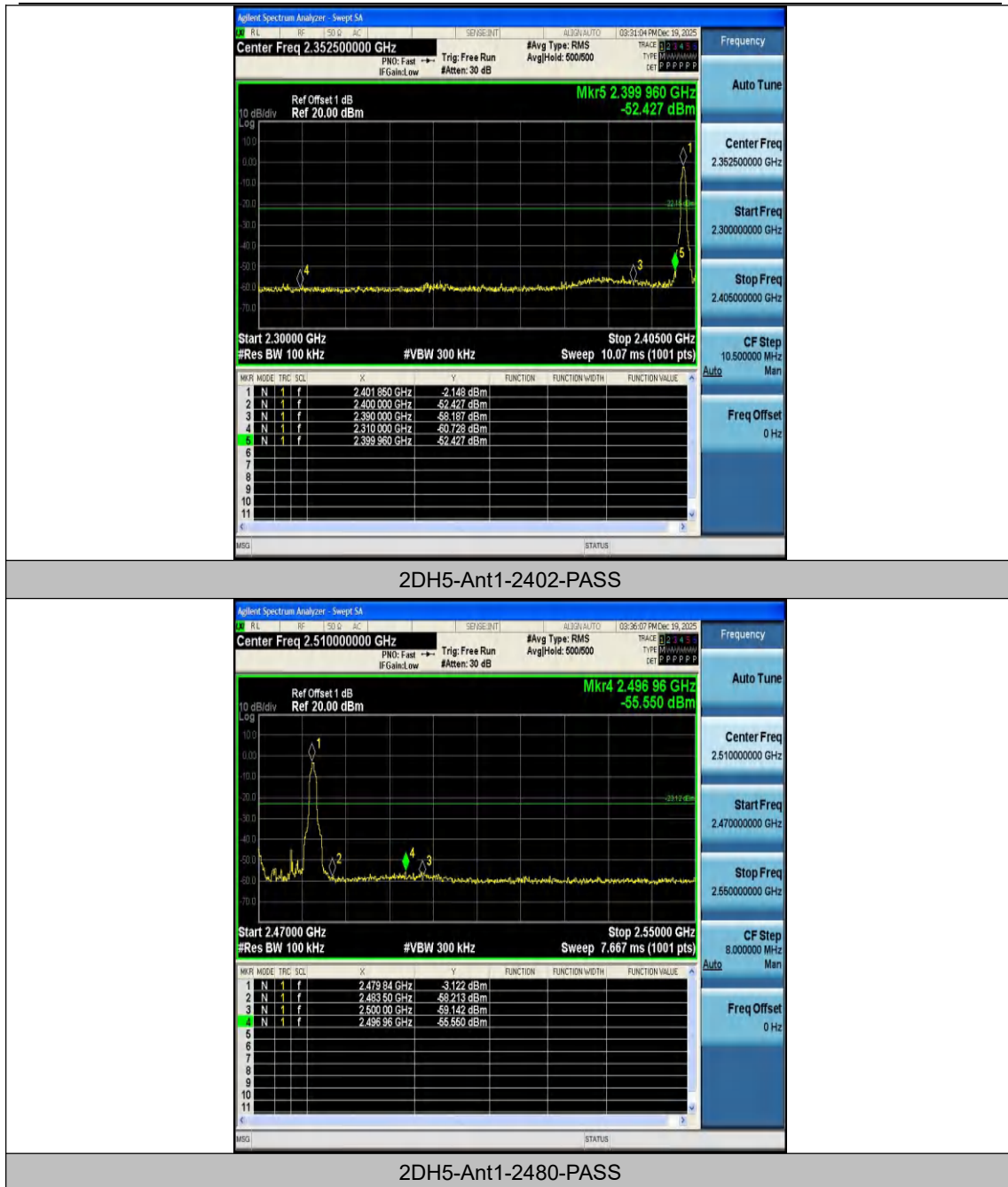
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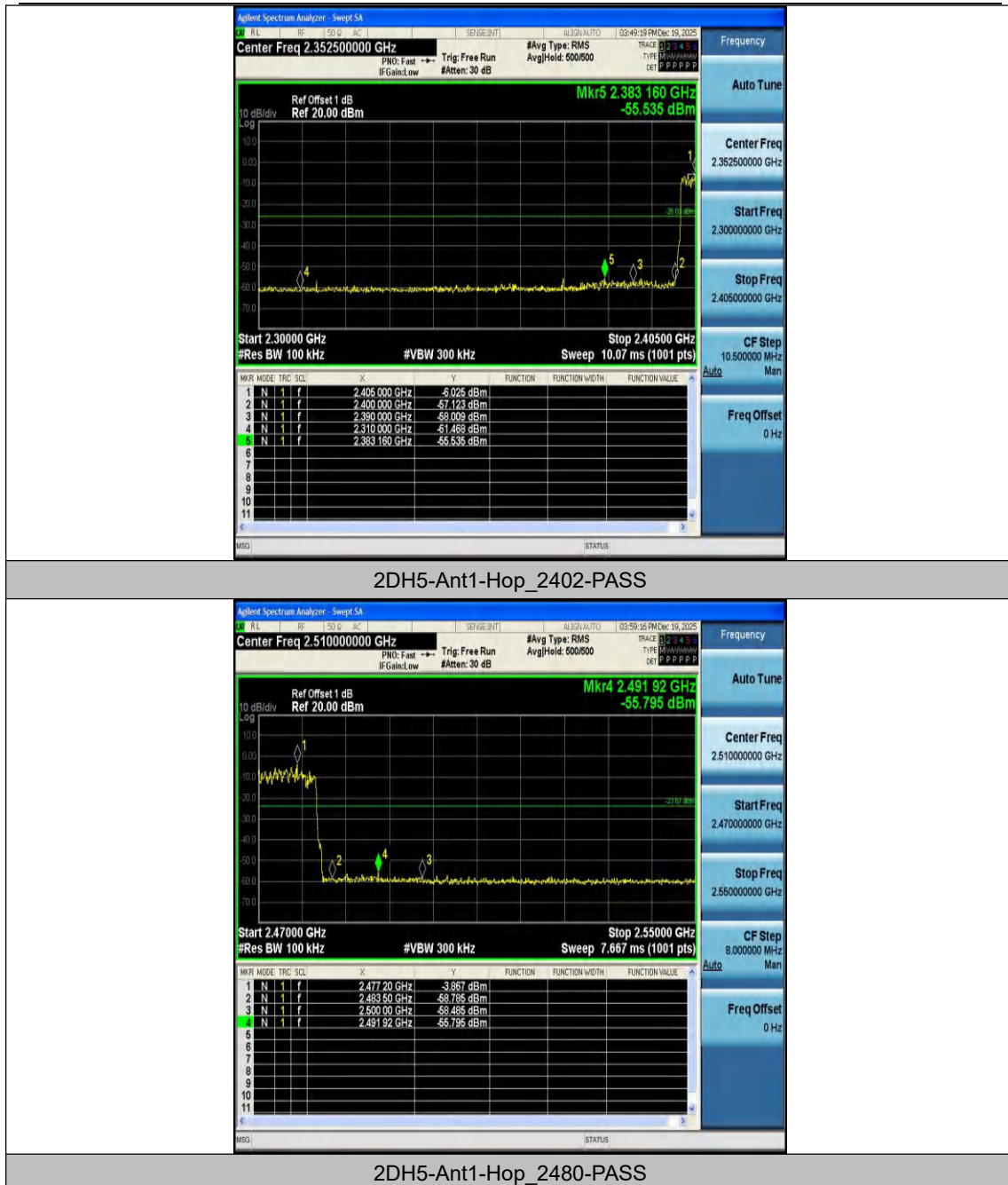


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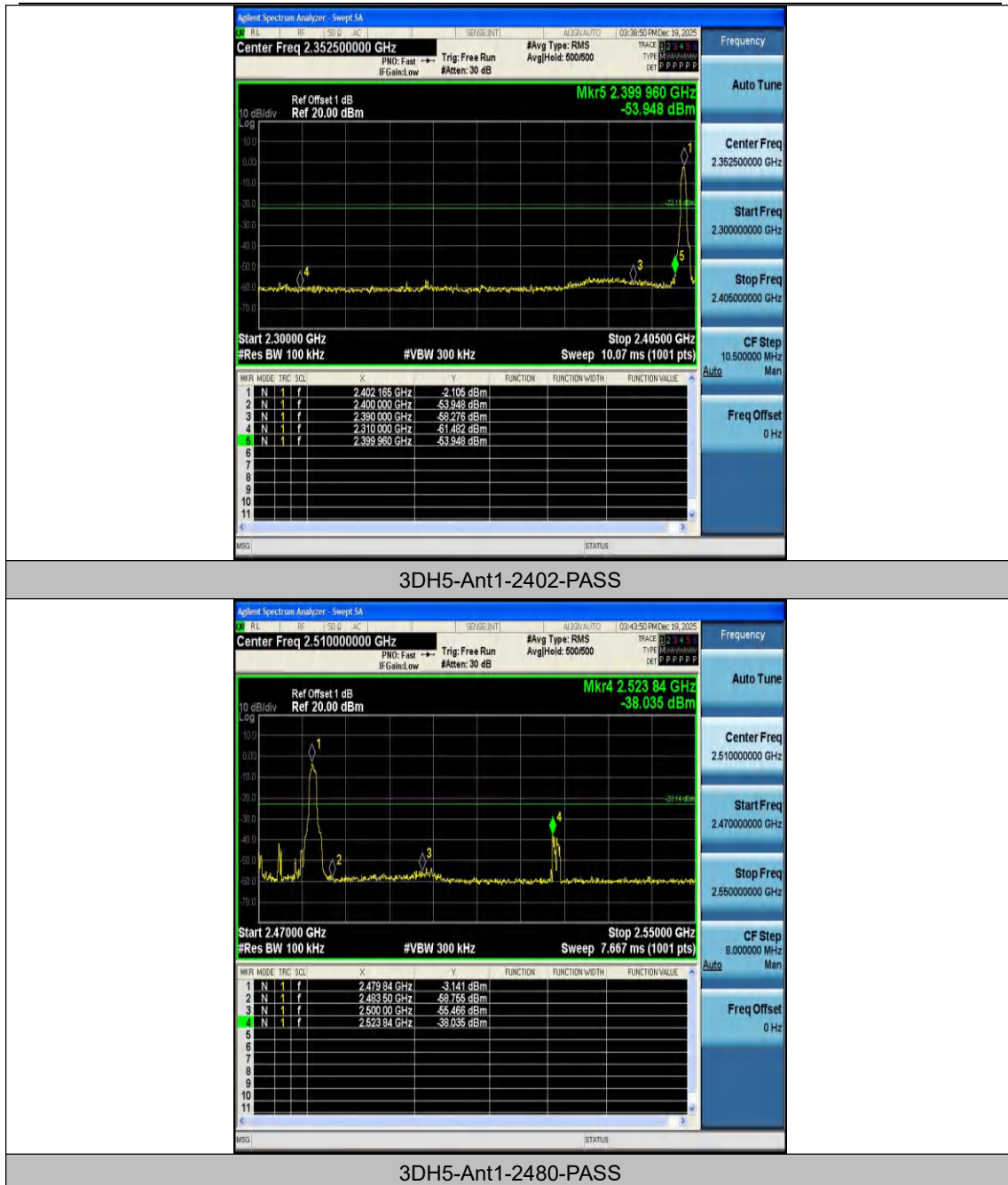


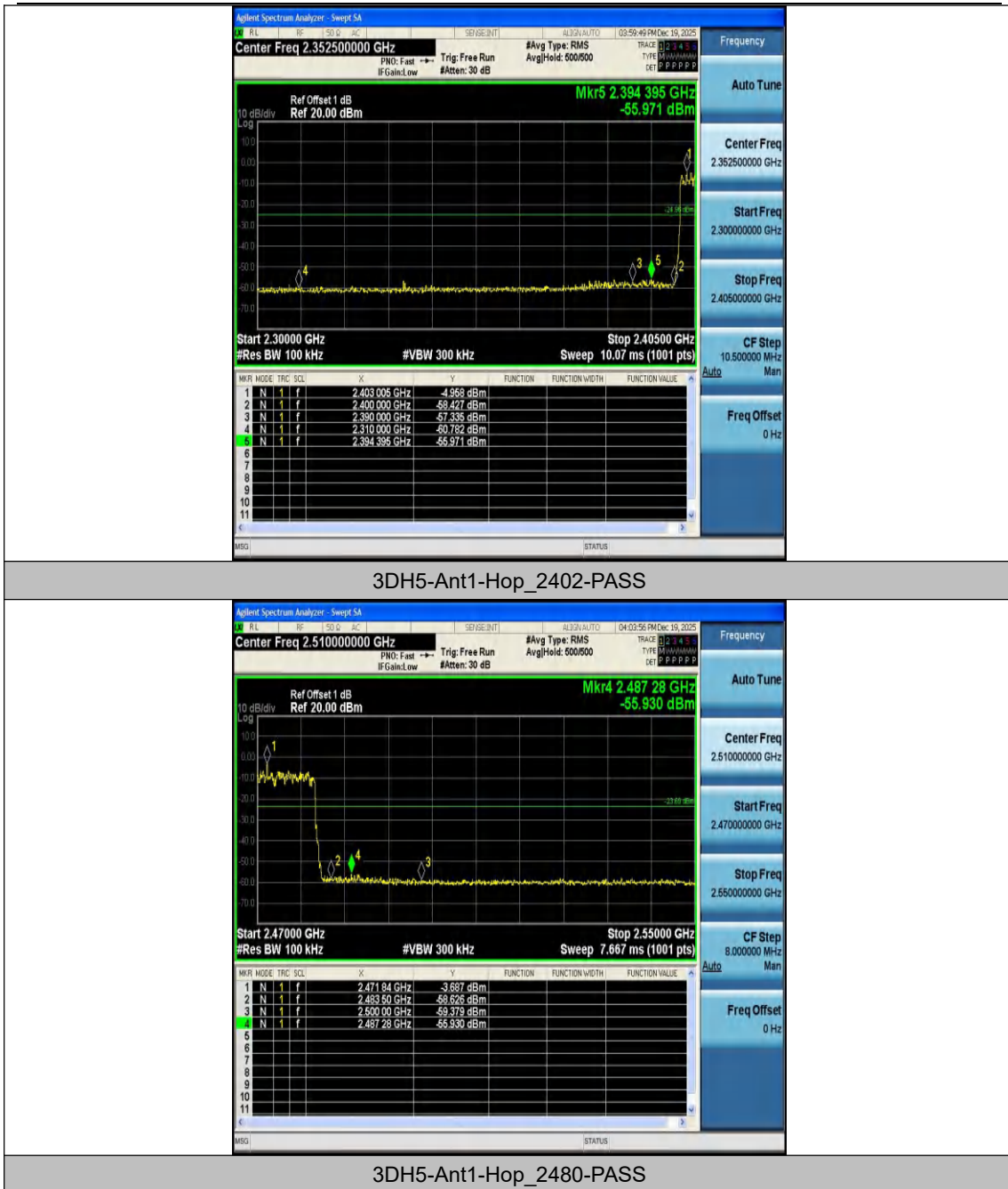


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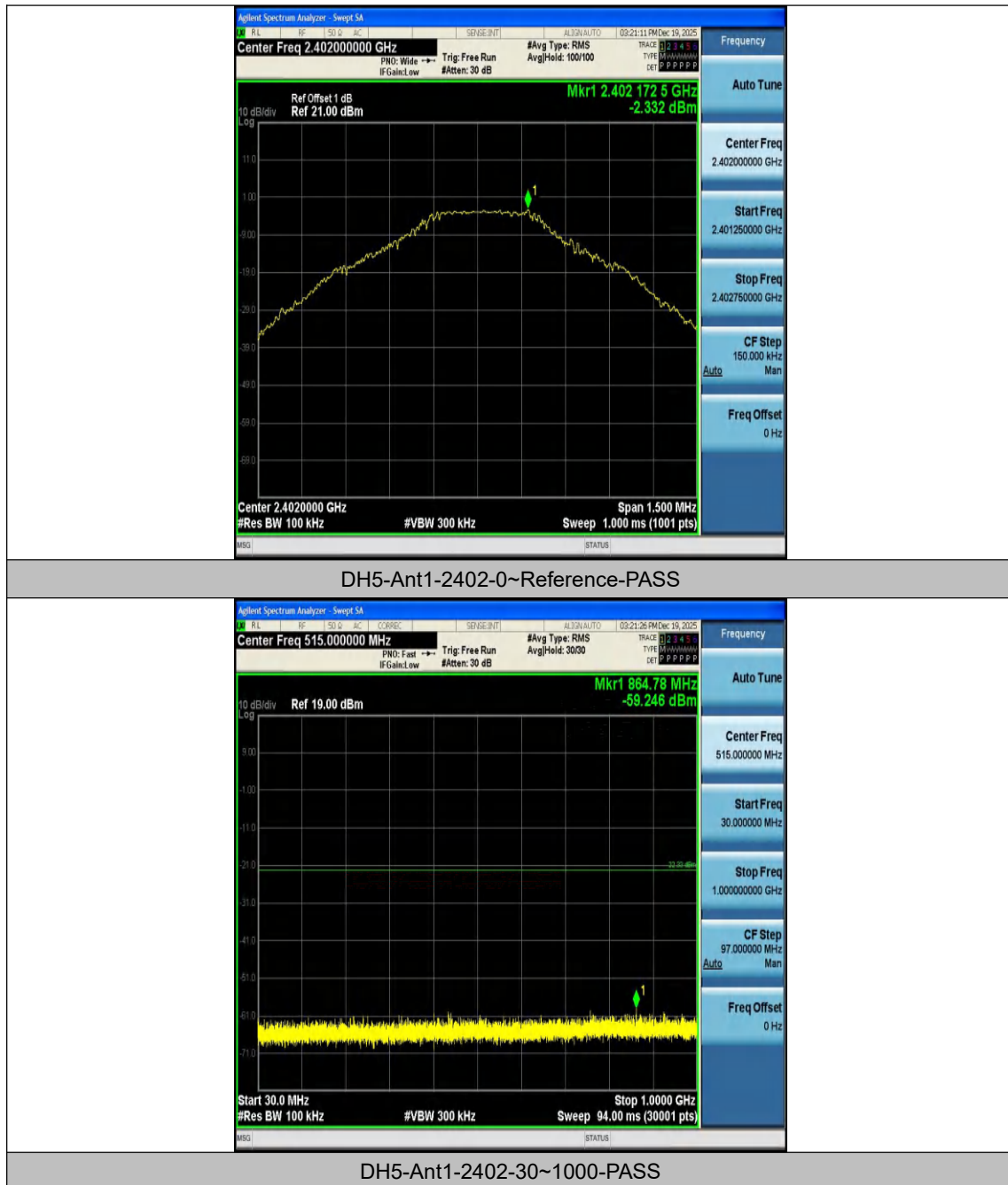
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.33	-2.33	---	PASS
DH5	Ant1	2402	30~1000	-2.33	-59.25	≤-22.33	PASS
DH5	Ant1	2402	1000~26500	-2.33	-41.29	≤-22.33	PASS
DH5	Ant1	2441	0~Reference	-3.03	-3.03	---	PASS
DH5	Ant1	2441	30~1000	-3.03	-59.15	≤-23.03	PASS
DH5	Ant1	2441	1000~26500	-3.03	-41.77	≤-23.03	PASS
DH5	Ant1	2480	0~Reference	-3.43	-3.43	---	PASS
DH5	Ant1	2480	30~1000	-3.43	-60.12	≤-23.43	PASS
DH5	Ant1	2480	1000~26500	-3.43	-42.1	≤-23.43	PASS
2DH5	Ant1	2402	0~Reference	-2.19	-2.19	---	PASS
2DH5	Ant1	2402	30~1000	-2.19	-59.75	≤-22.19	PASS
2DH5	Ant1	2402	1000~26500	-2.19	-43.65	≤-22.19	PASS
2DH5	Ant1	2441	0~Reference	-3.34	-3.34	---	PASS
2DH5	Ant1	2441	30~1000	-3.34	-59.59	≤-23.34	PASS
2DH5	Ant1	2441	1000~26500	-3.34	-42.08	≤-23.34	PASS
2DH5	Ant1	2480	0~Reference	-3.40	-3.40	---	PASS
2DH5	Ant1	2480	30~1000	-3.40	-58.96	≤-23.4	PASS
2DH5	Ant1	2480	1000~26500	-3.40	-45.07	≤-23.4	PASS
3DH5	Ant1	2402	0~Reference	-2.18	-2.18	---	PASS
3DH5	Ant1	2402	30~1000	-2.18	-59.41	≤-22.18	PASS
3DH5	Ant1	2402	1000~26500	-2.18	-42.63	≤-22.18	PASS
3DH5	Ant1	2441	0~Reference	-3.08	-3.08	---	PASS
3DH5	Ant1	2441	30~1000	-3.08	-42.08	≤-23.08	PASS
3DH5	Ant1	2441	1000~26500	-3.08	-39.61	≤-23.08	PASS
3DH5	Ant1	2480	0~Reference	-3.37	-3.37	---	PASS
3DH5	Ant1	2480	30~1000	-3.37	-30.24	≤-23.37	PASS
3DH5	Ant1	2480	1000~26500	-3.37	-44.96	≤-23.37	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

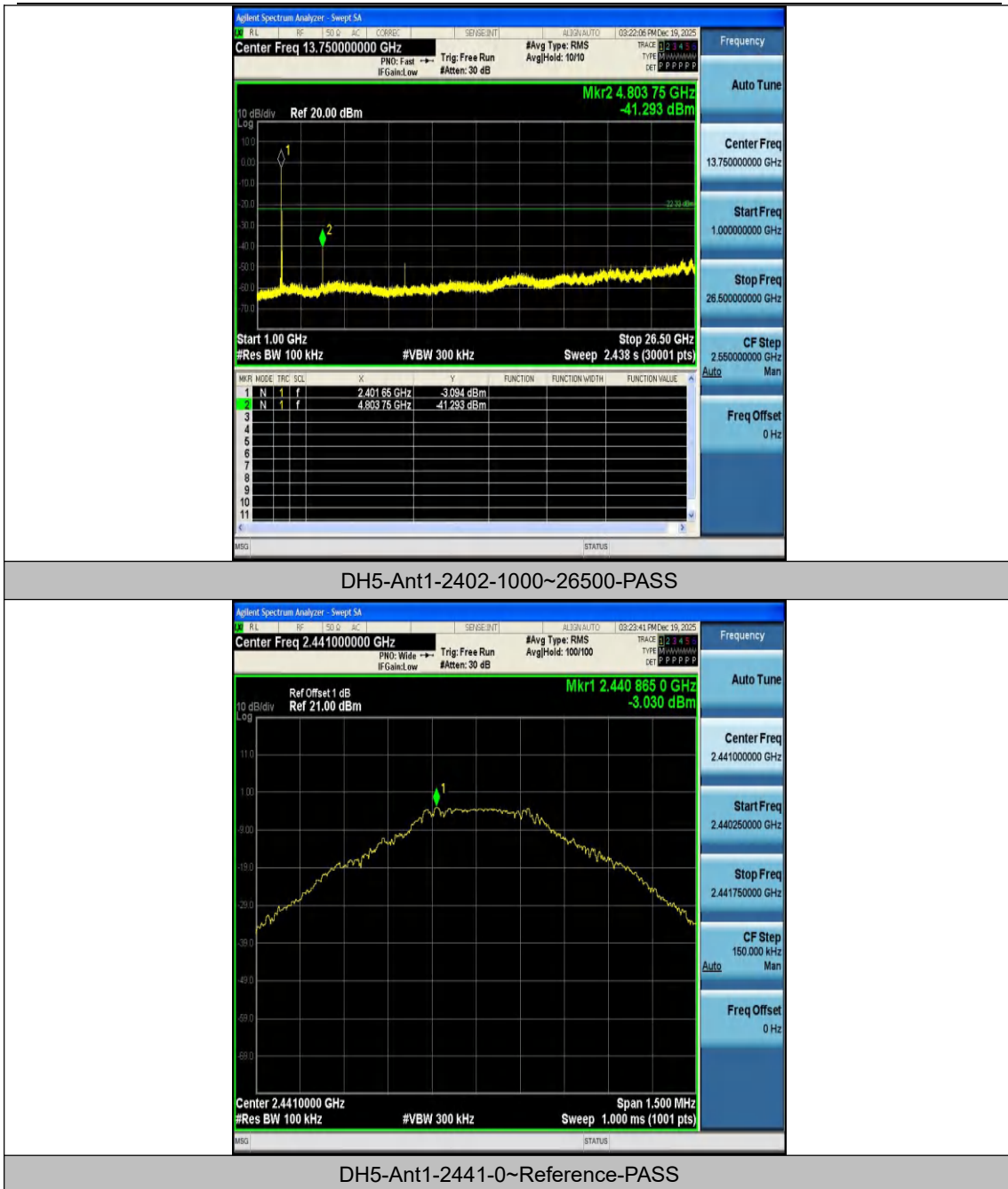
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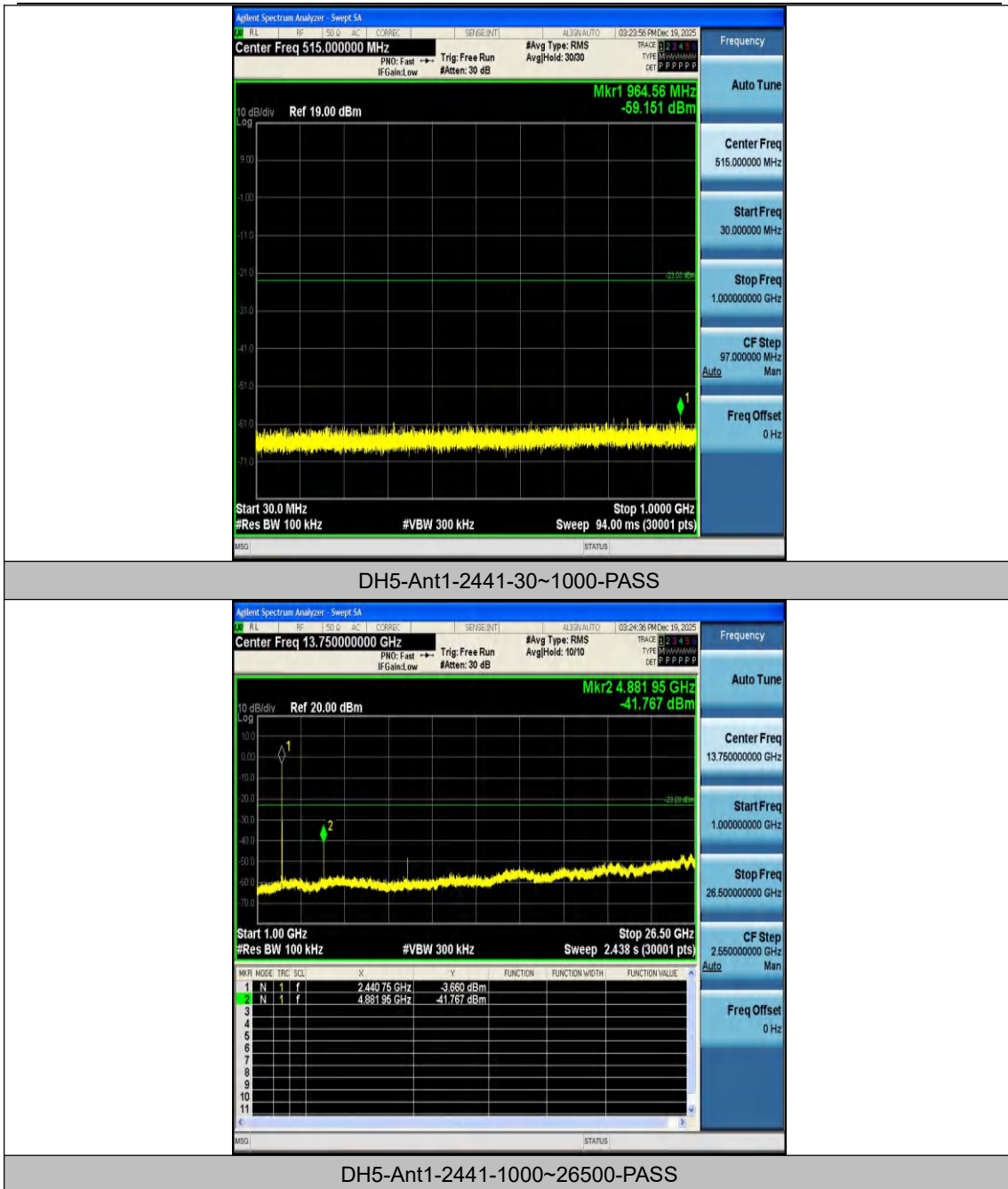
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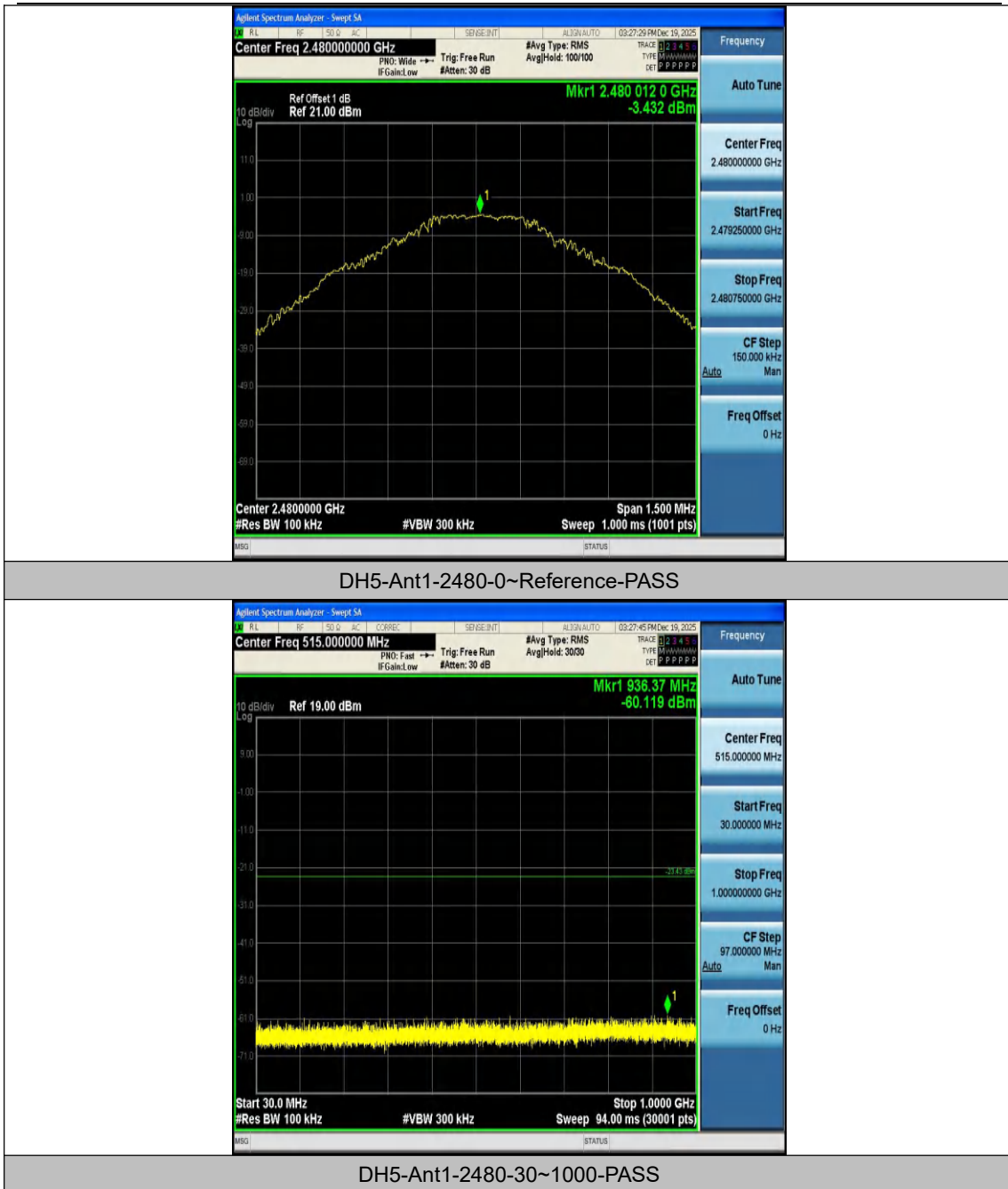
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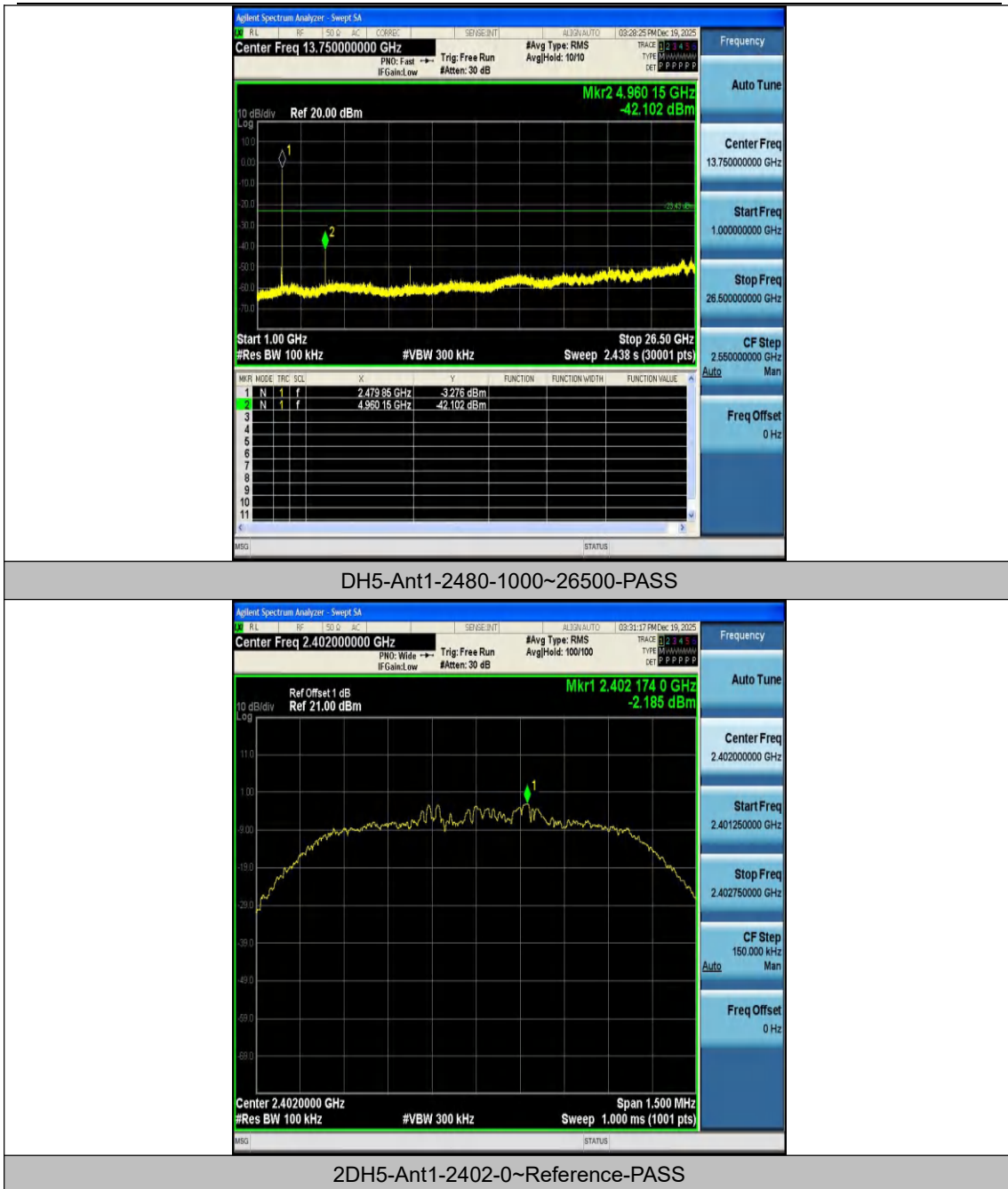
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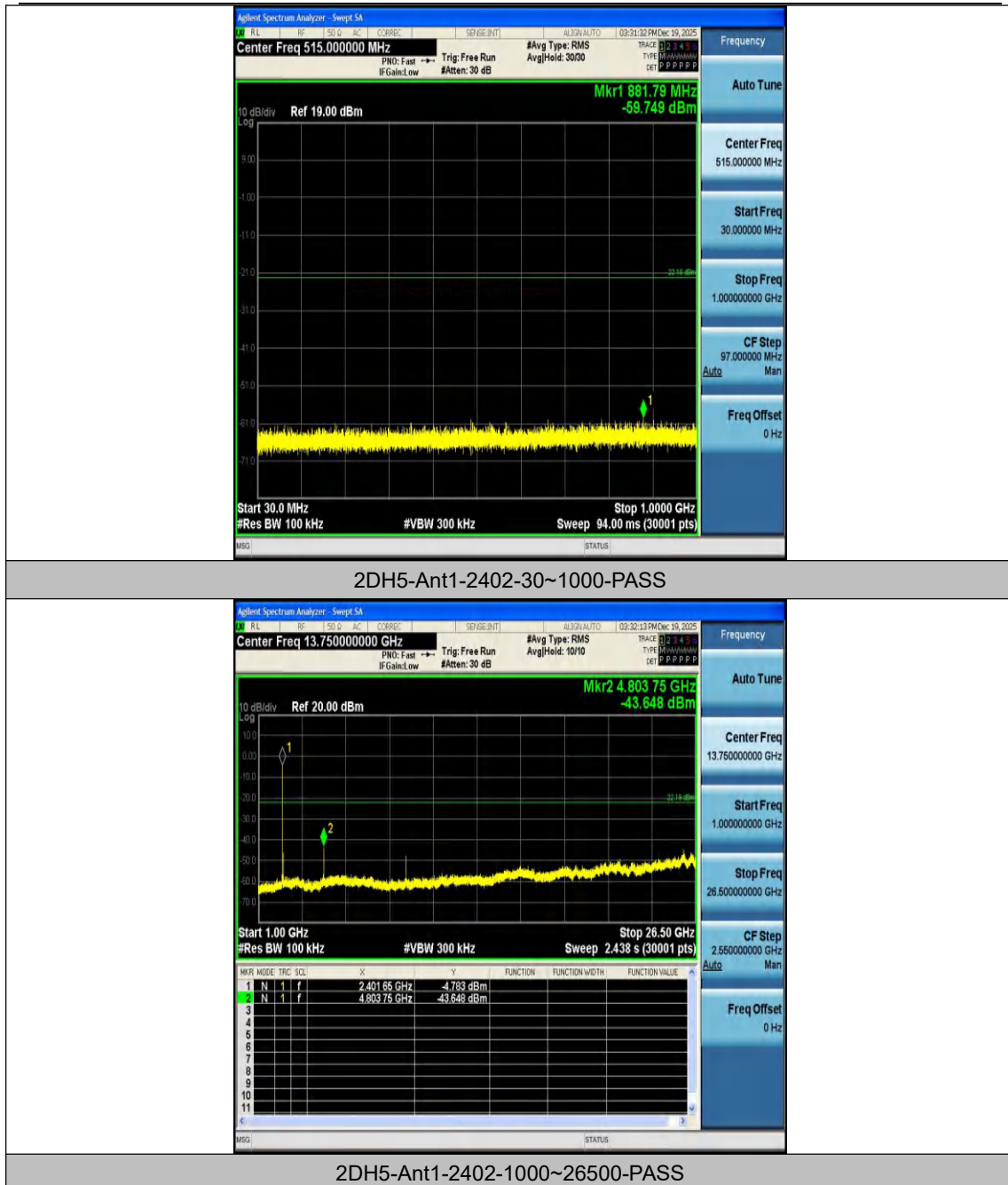
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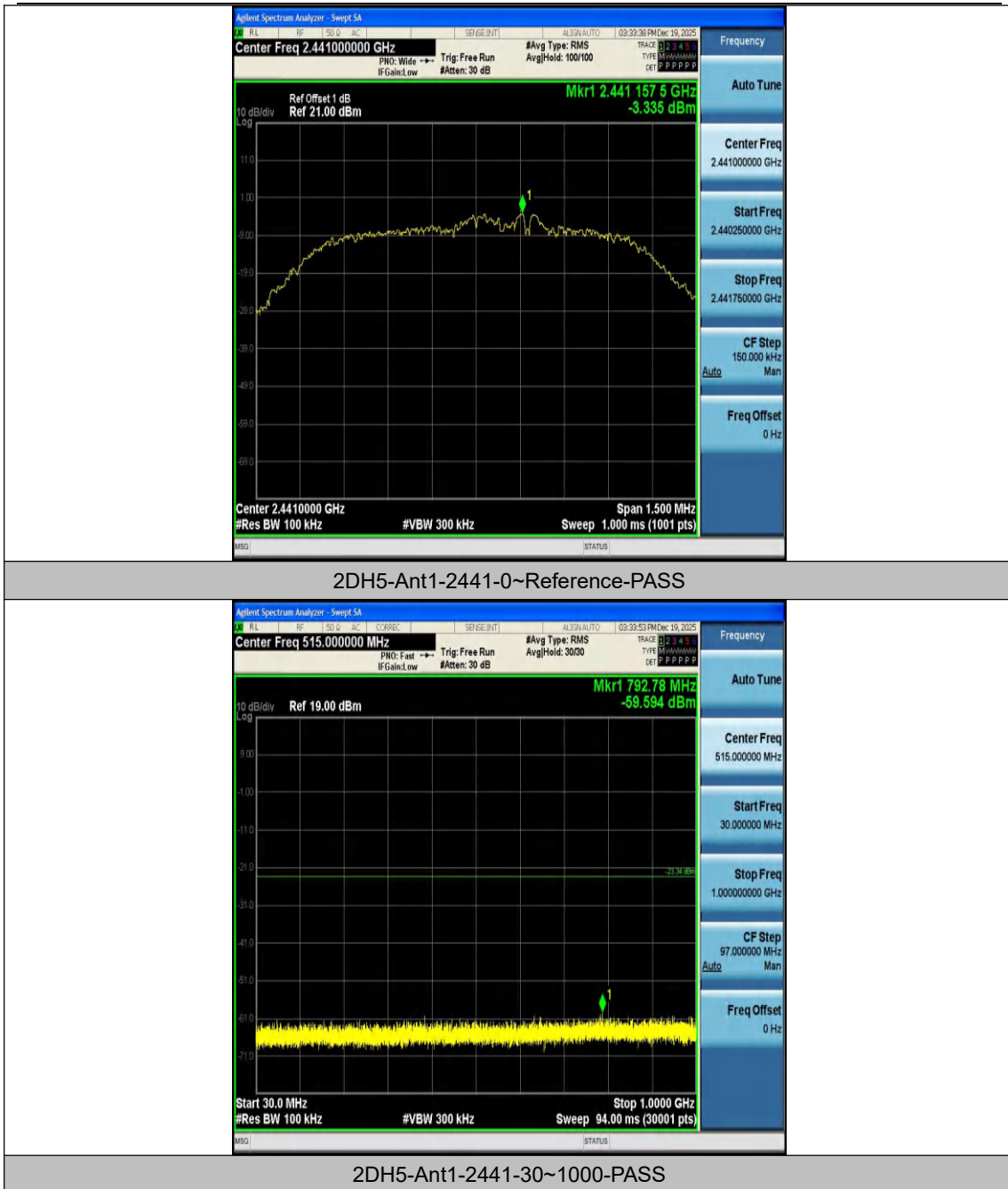


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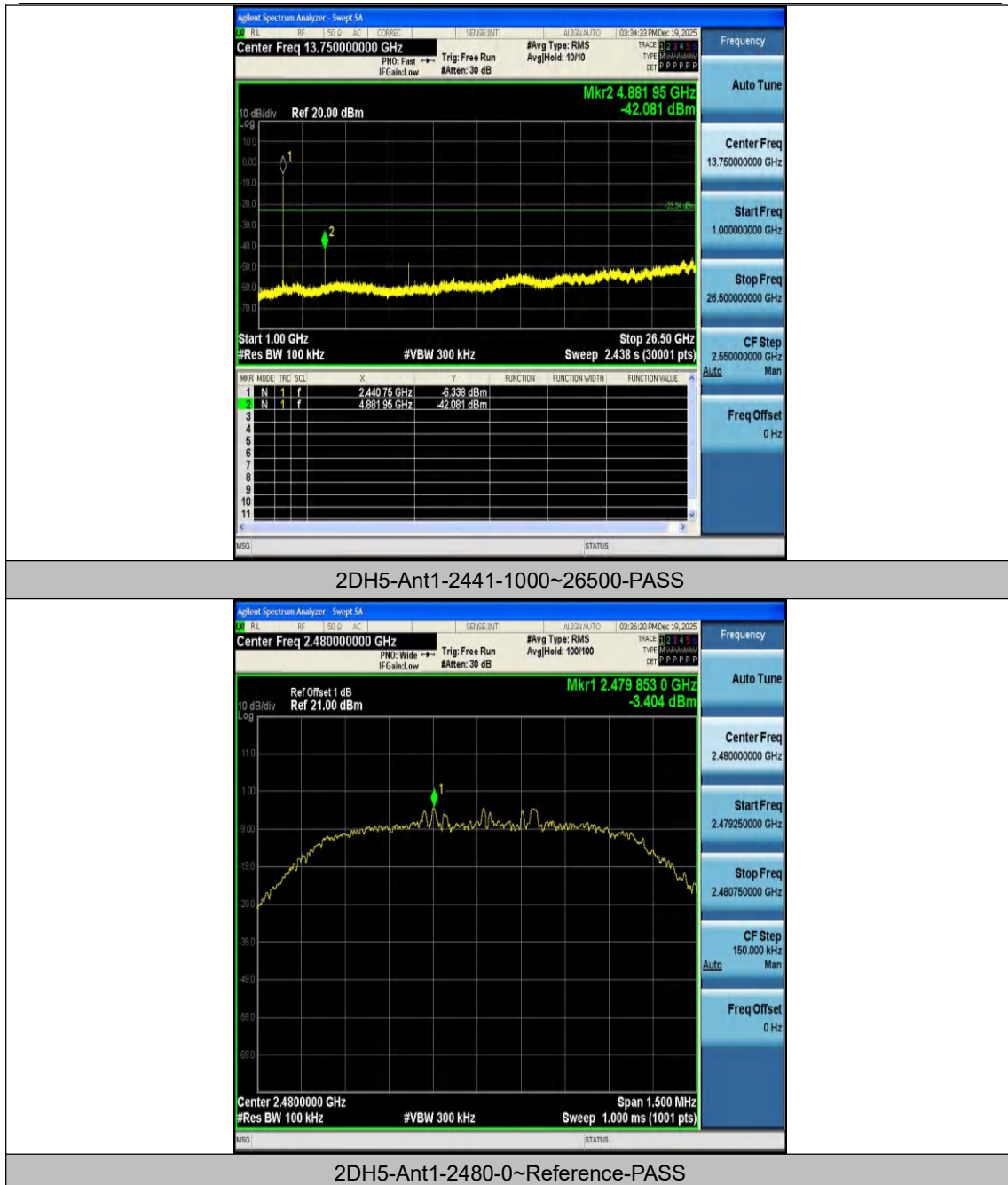




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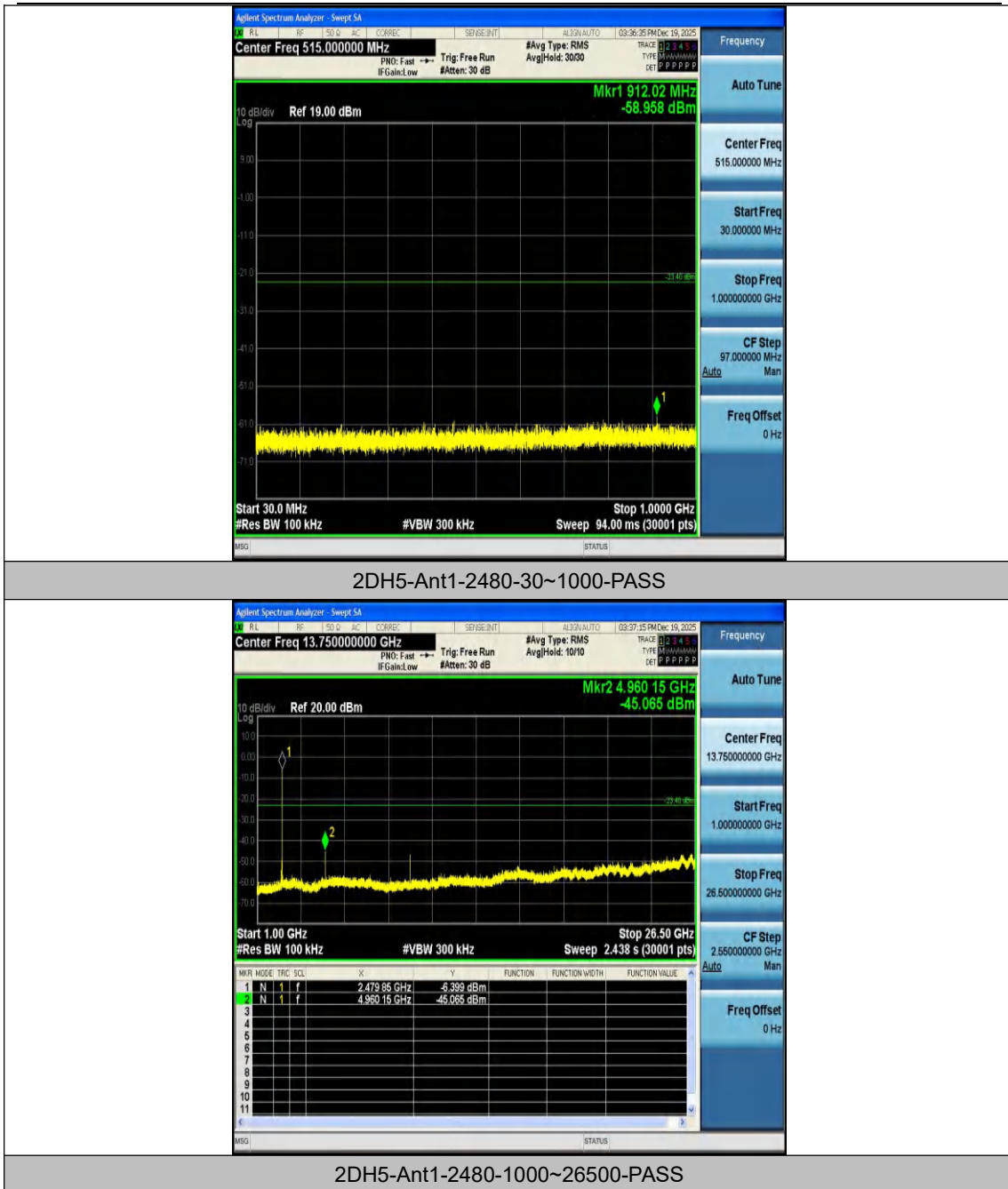
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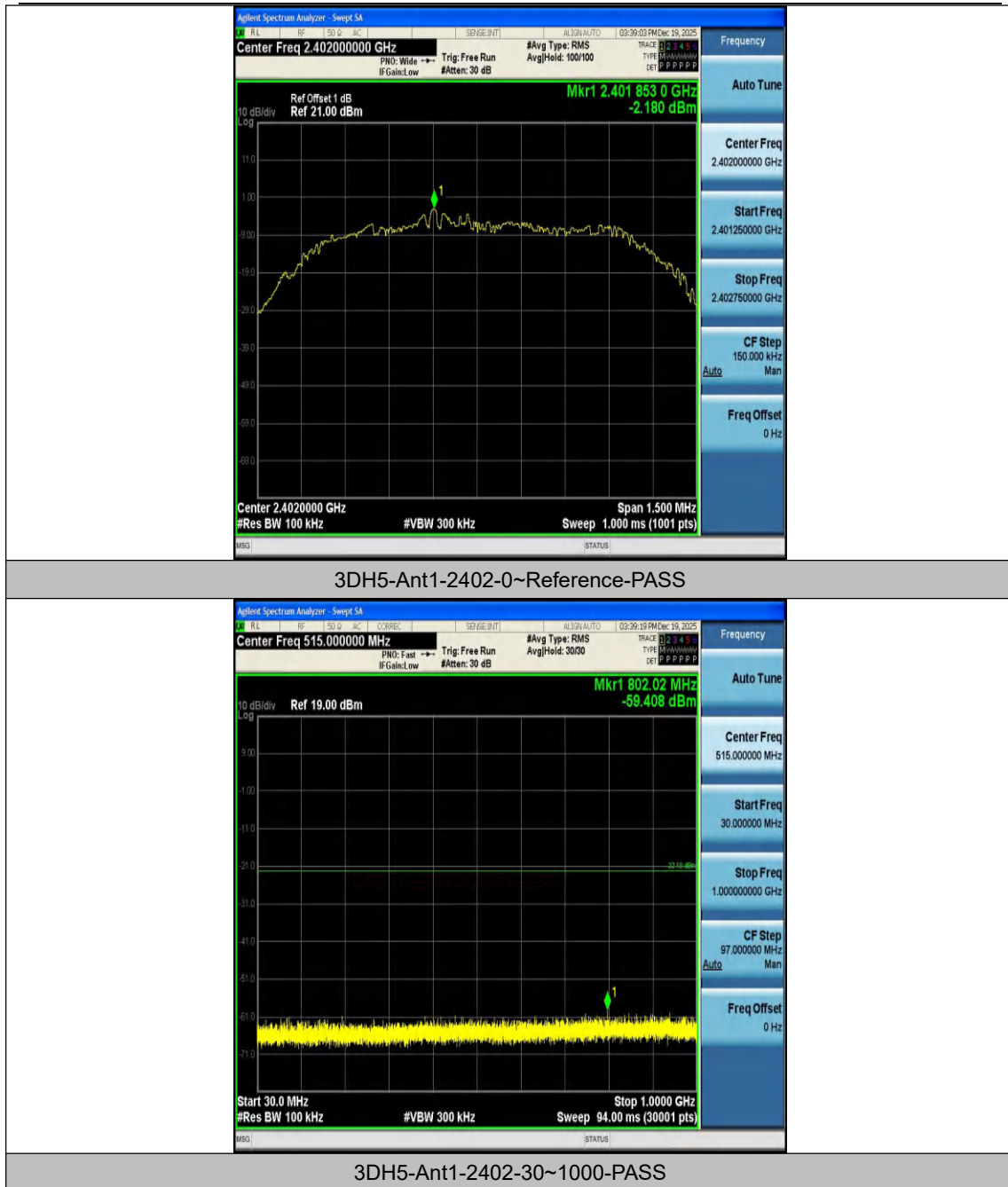
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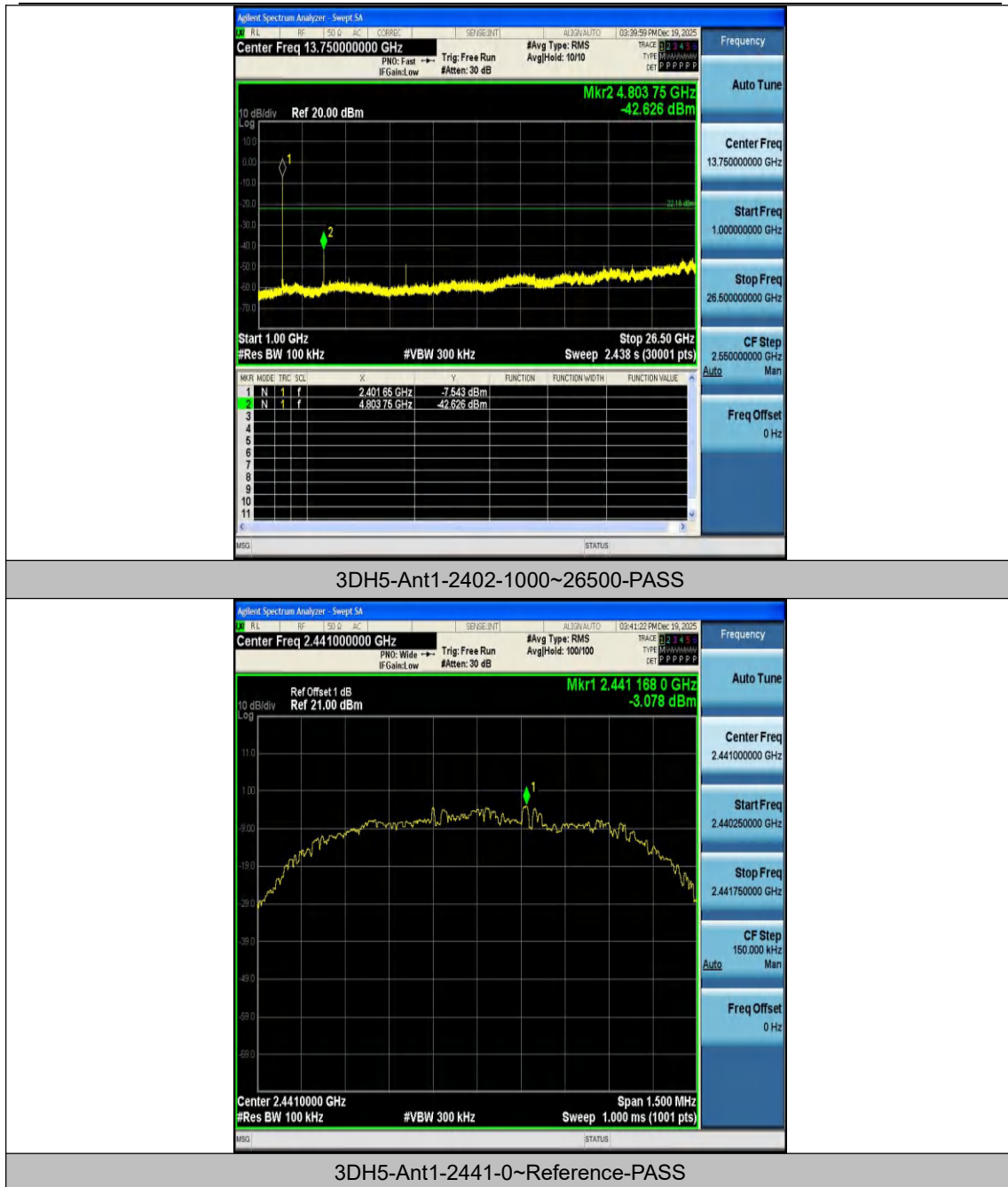
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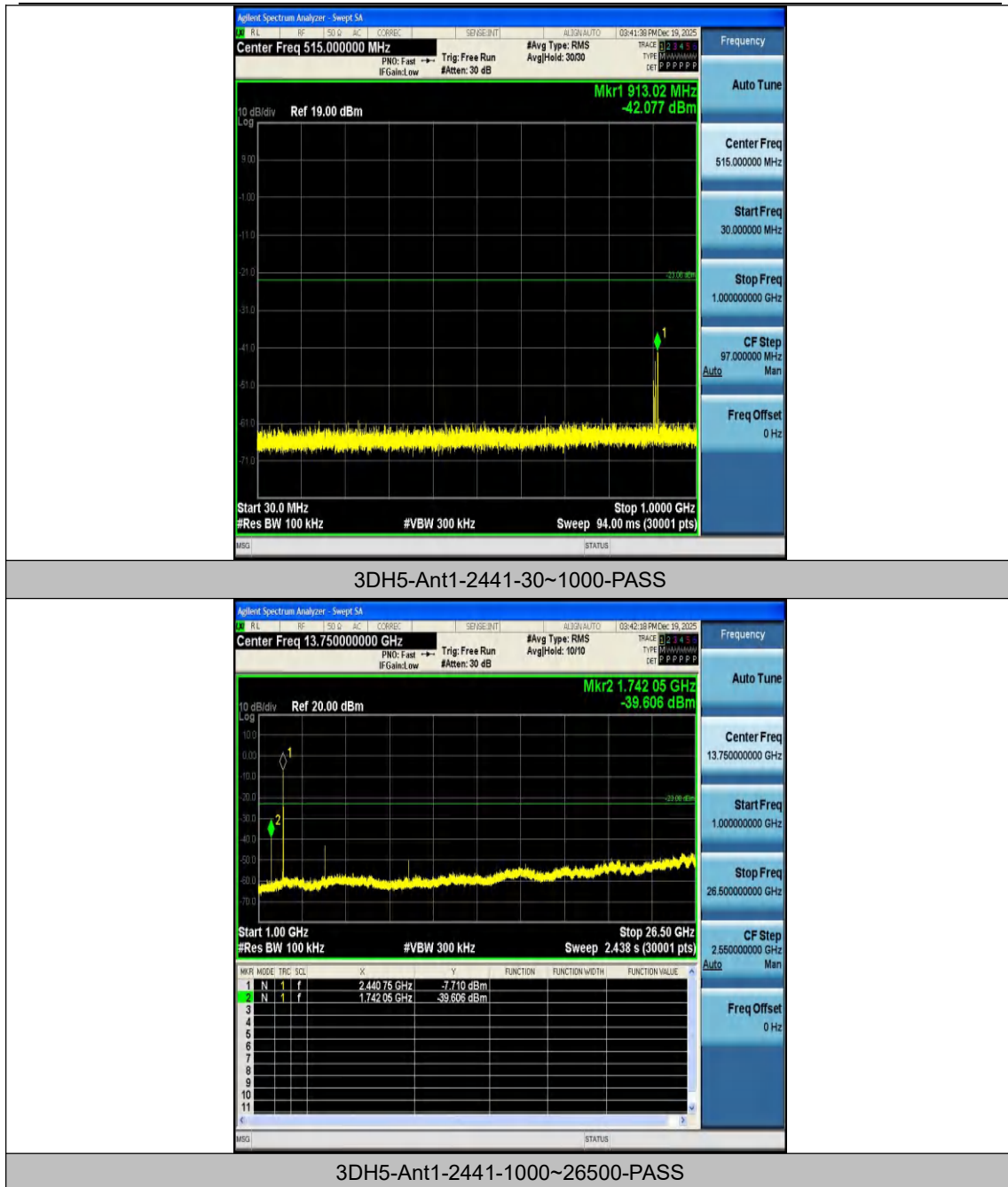
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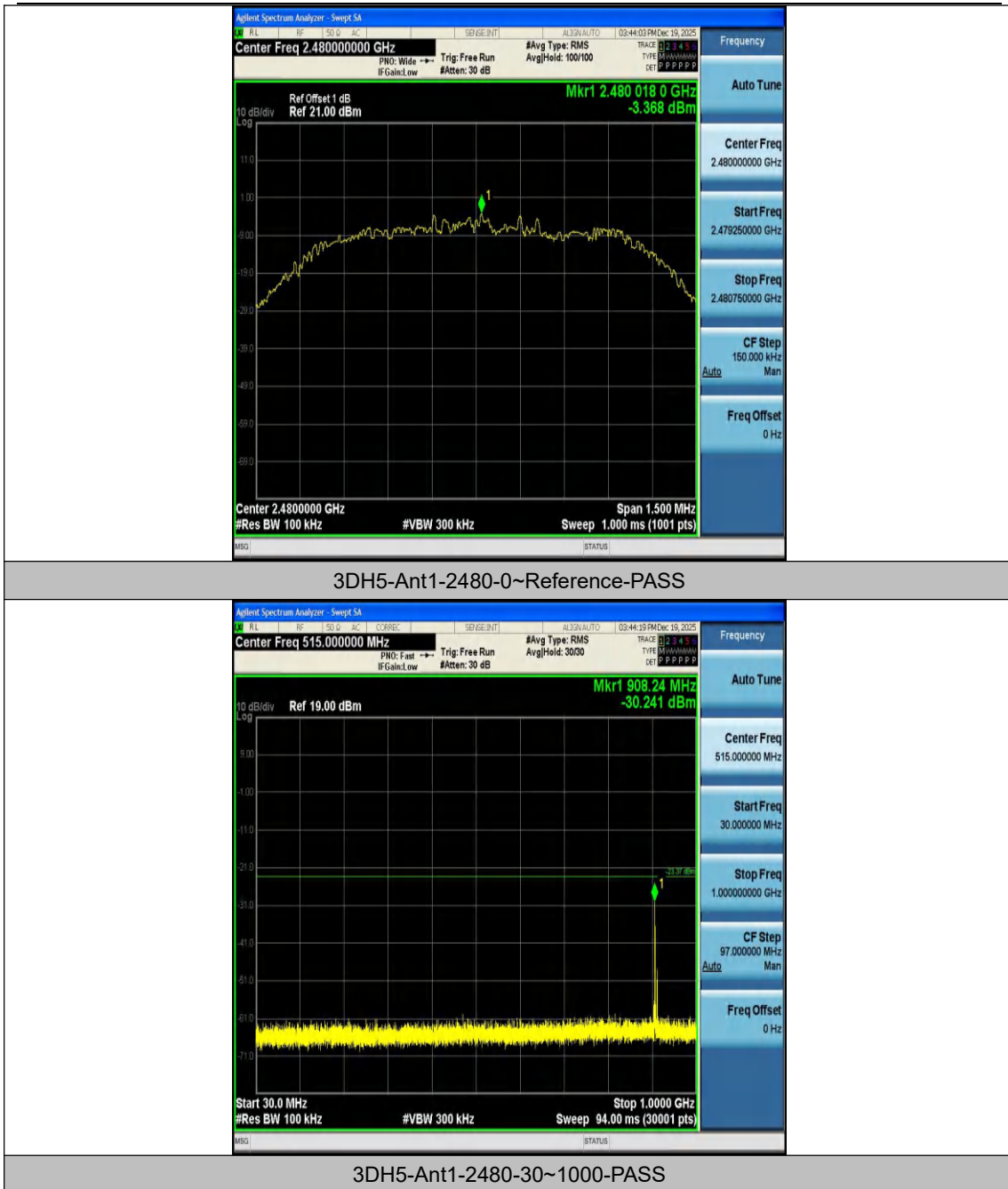
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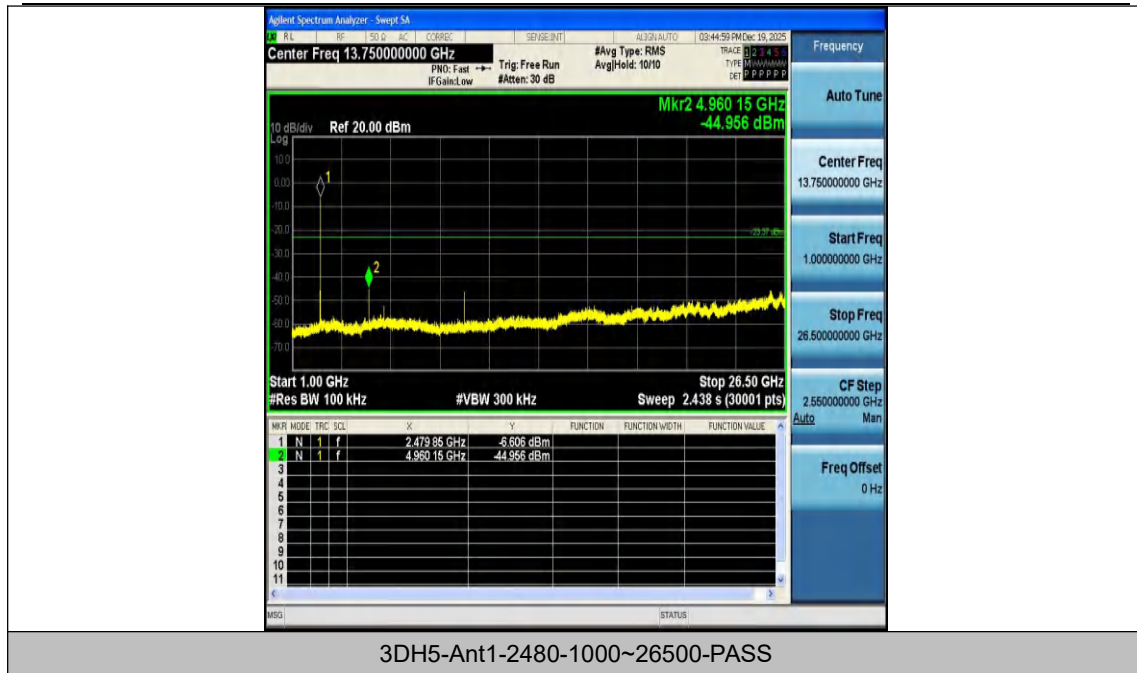
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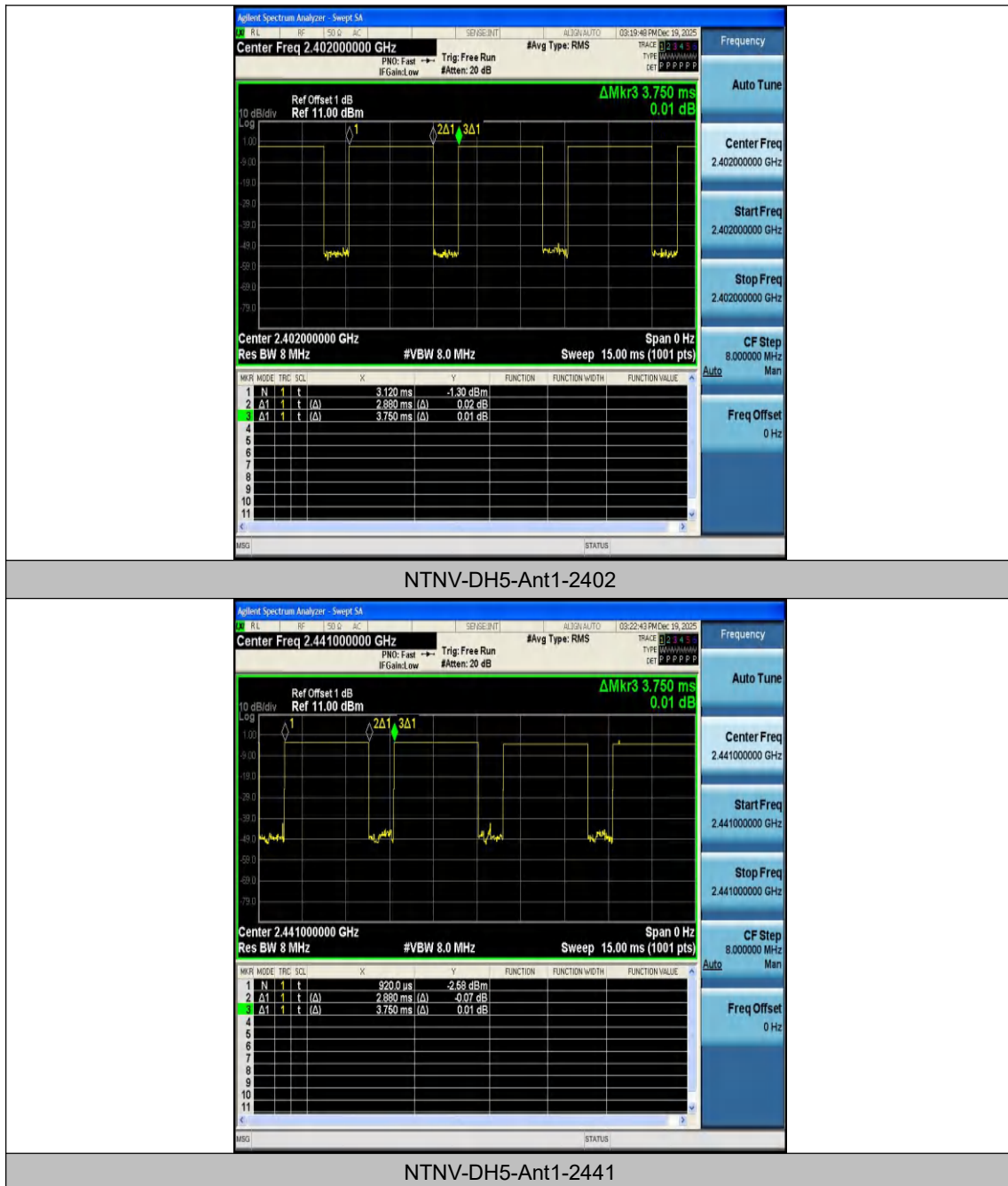
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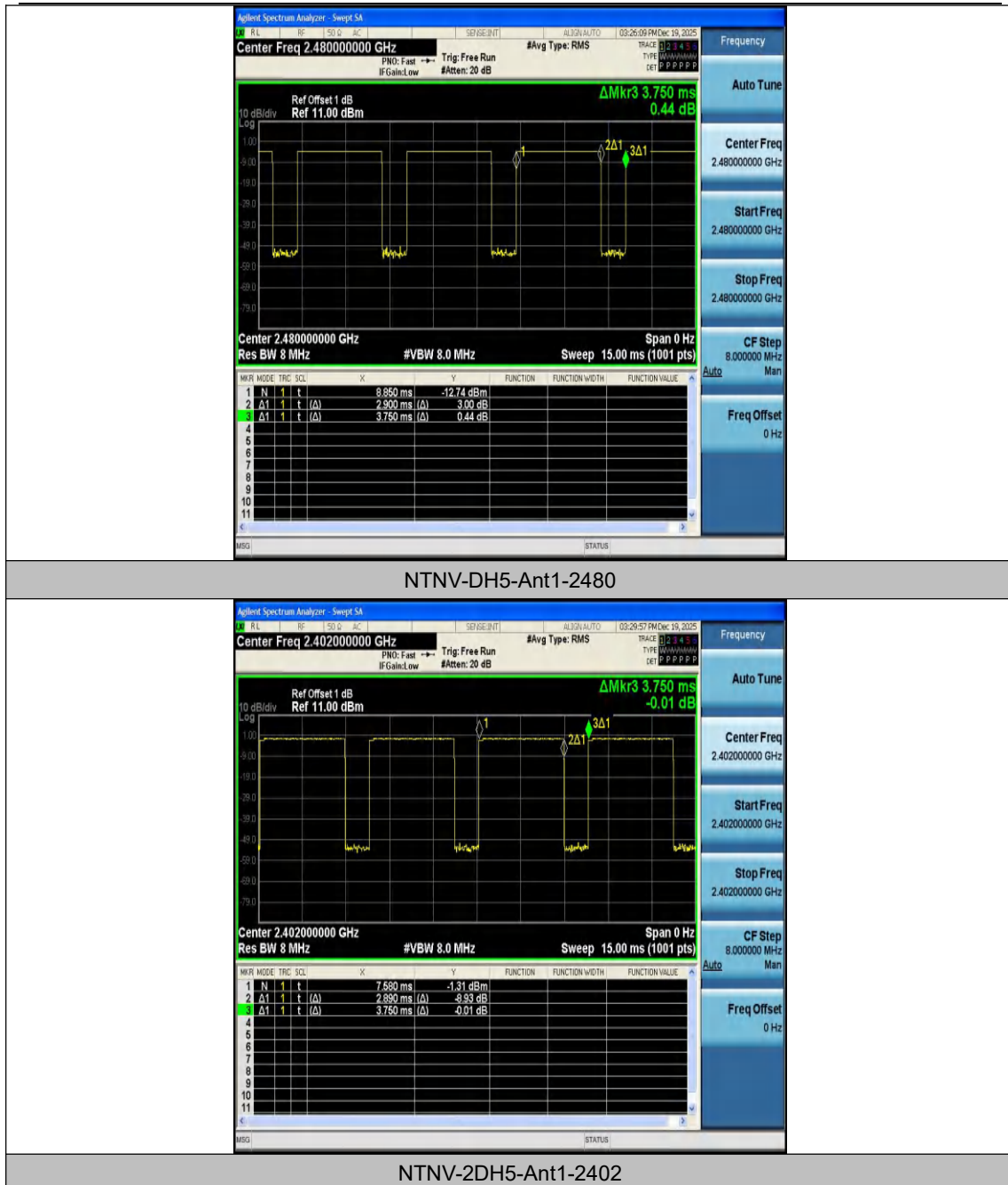
Appendix I: Duty Cycle

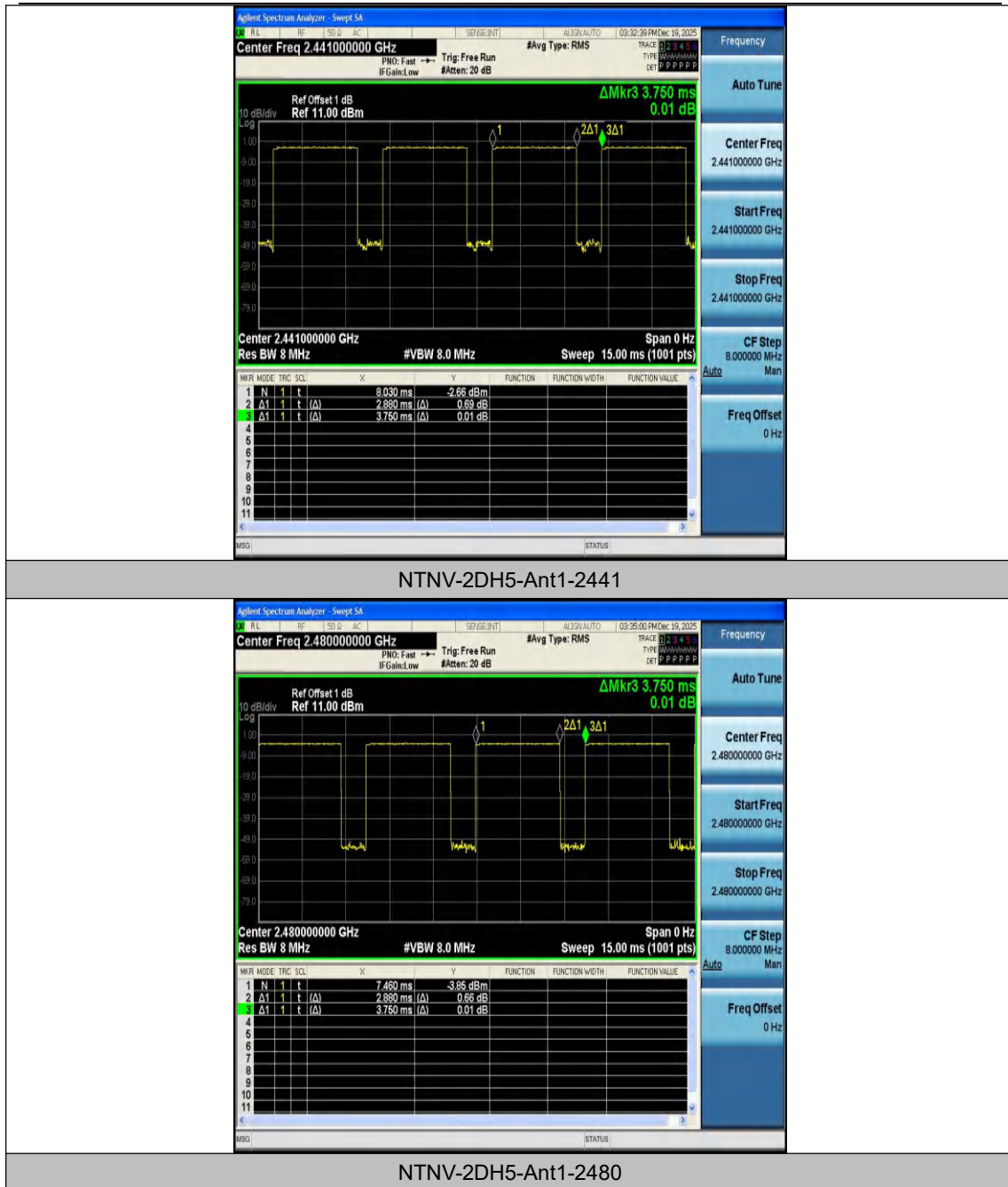
Test Result

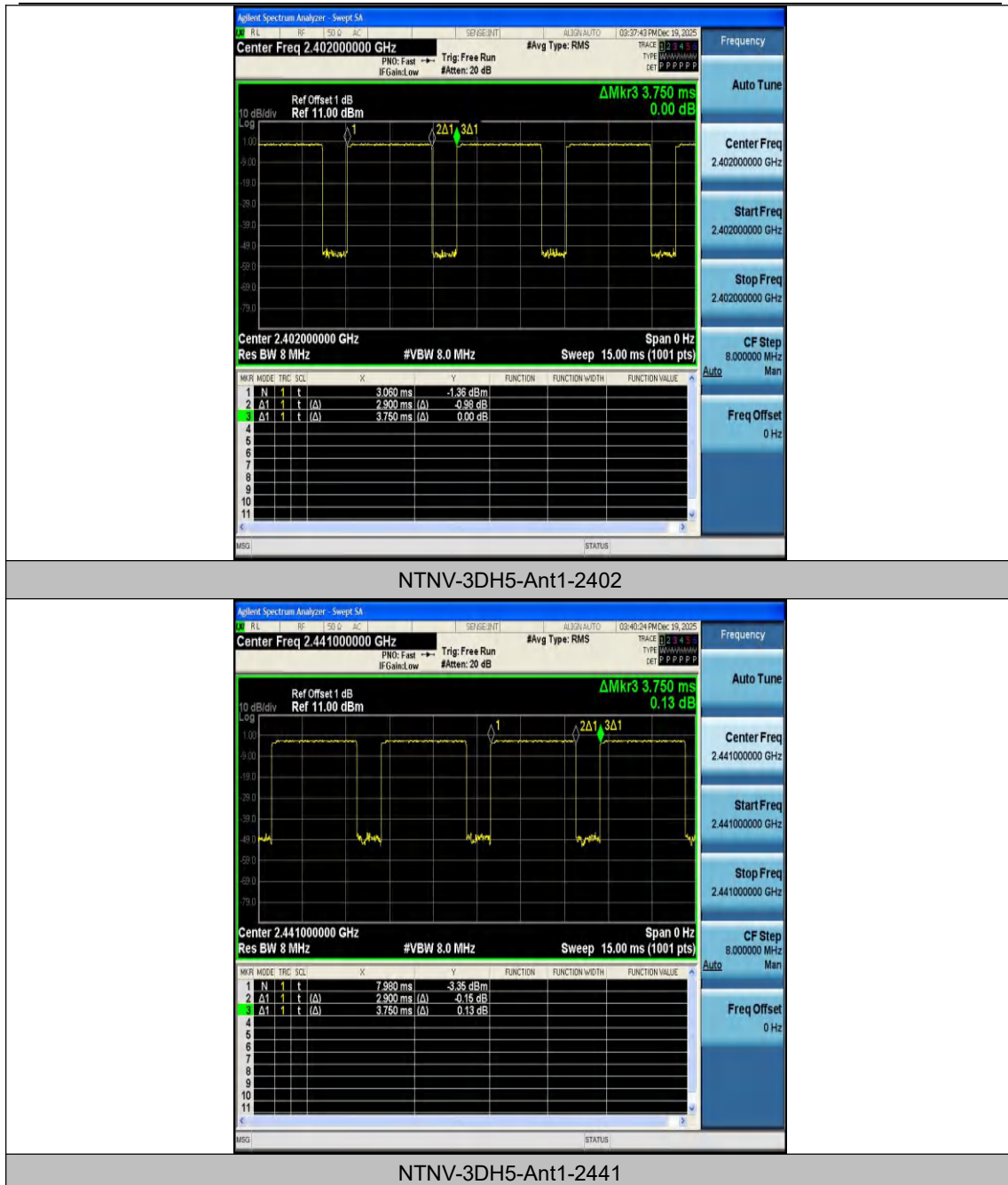
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

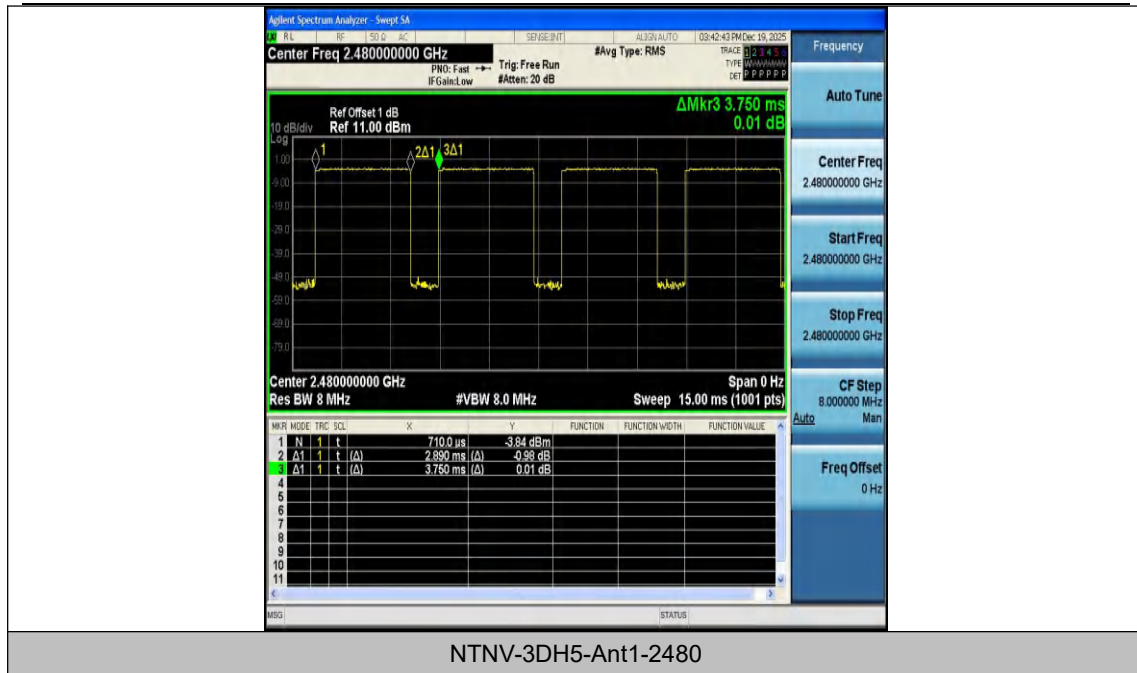
Test Graphs











---End---