

Appendix Test Data

Report No.:	1819C50109612501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-14	Finish Test Date:	2025-10-14
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.4°C	Relative Humidity:	64%
Pressure:	101kPa		

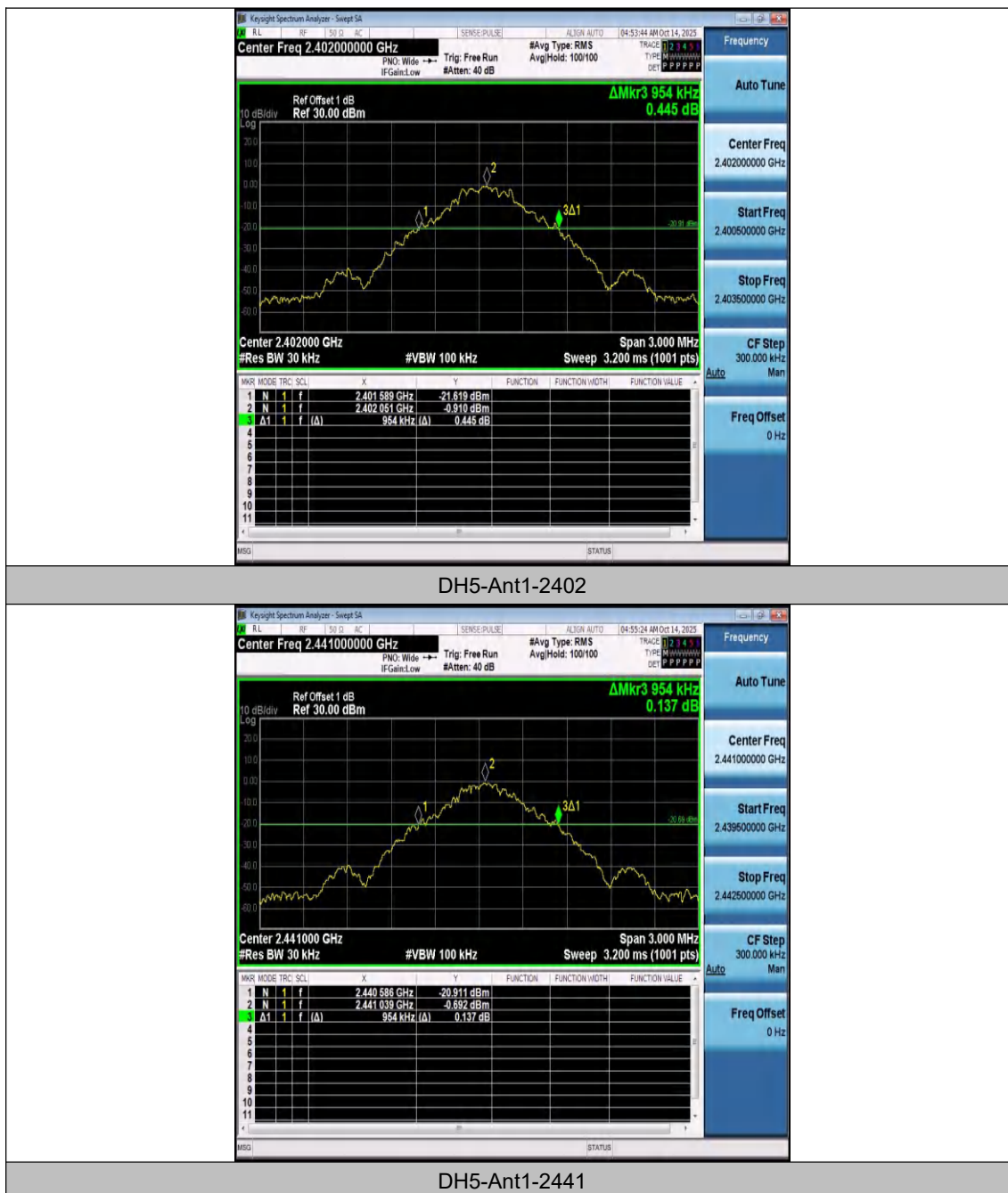


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.589	2402.543	---	---
DH5	Ant1	2441	0.954	2440.586	2441.540	---	---
DH5	Ant1	2480	0.951	2479.592	2480.543	---	---
2DH5	Ant1	2402	1.281	2401.424	2402.705	---	---
2DH5	Ant1	2441	1.314	2440.397	2441.711	---	---
2DH5	Ant1	2480	1.314	2479.394	2480.708	---	---
3DH5	Ant1	2402	1.308	2401.403	2402.711	---	---
3DH5	Ant1	2441	1.296	2440.403	2441.699	---	---
3DH5	Ant1	2480	1.311	2479.403	2480.714	---	---

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	0.86469	2401.6146	2402.4793	---	---
DH5	Ant1	2441	0.88337	2440.6098	2441.4932	---	---
DH5	Ant1	2480	0.87056	2479.6191	2480.4897	---	---
2DH5	Ant1	2402	1.2060	2401.4501	2402.6561	---	---
2DH5	Ant1	2441	1.1903	2440.4579	2441.6482	---	---
2DH5	Ant1	2480	1.1873	2479.4592	2480.6465	---	---
3DH5	Ant1	2402	1.1889	2401.4578	2402.6467	---	---
3DH5	Ant1	2441	1.1840	2440.4586	2441.6426	---	---
3DH5	Ant1	2480	1.1977	2479.4528	2480.6505	---	---

Test Graphs



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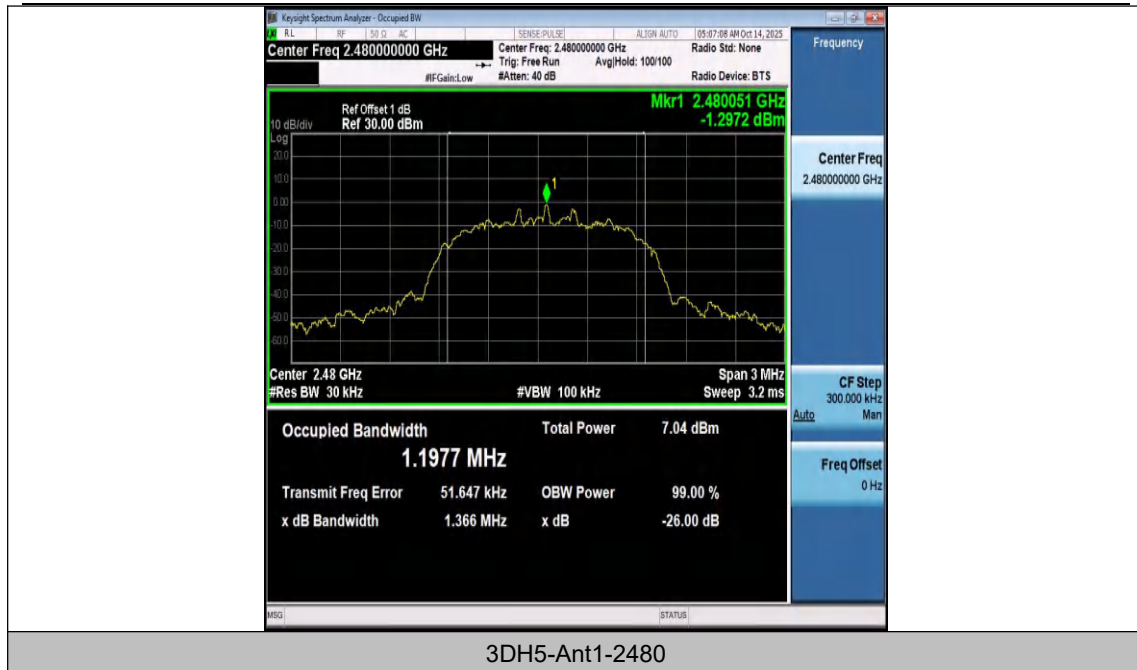




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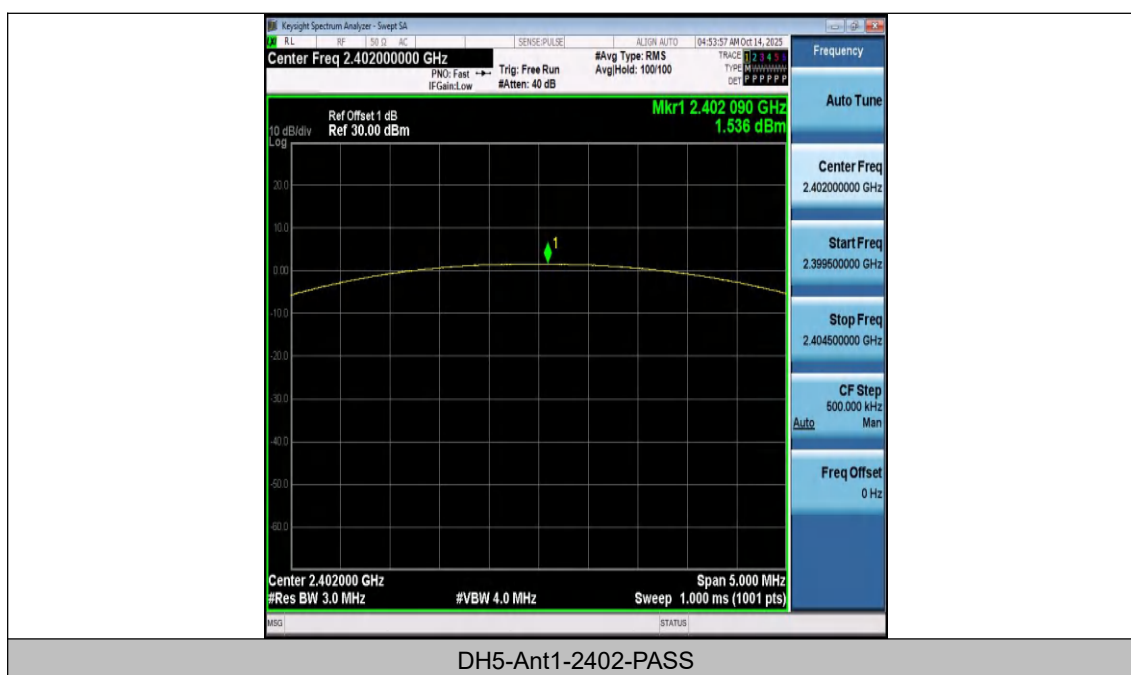
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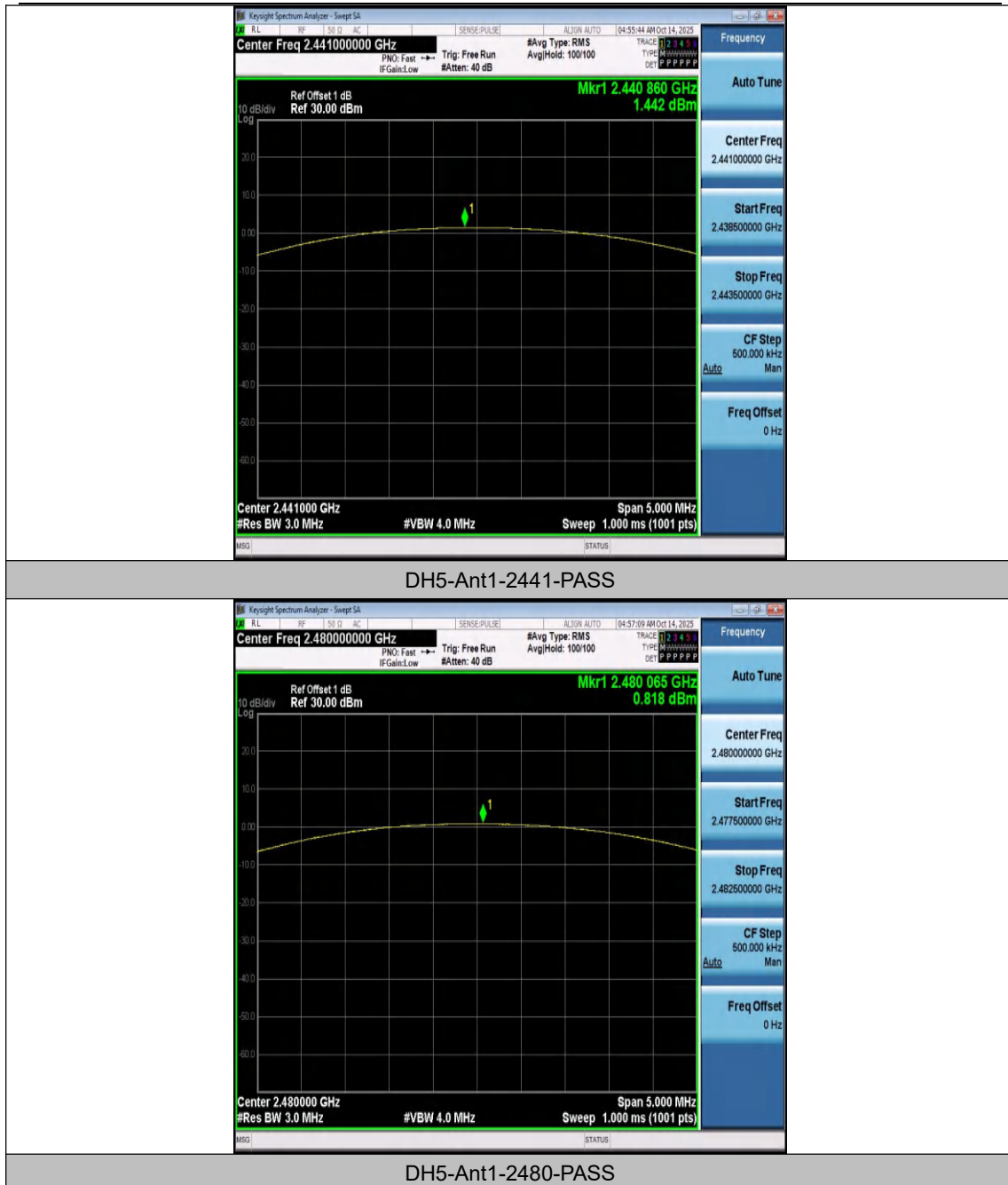
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.54	≤20.97	PASS
DH5	Ant1	2441	1.44	≤20.97	PASS
DH5	Ant1	2480	0.82	≤20.97	PASS
2DH5	Ant1	2402	2.47	≤20.97	PASS
2DH5	Ant1	2441	2.28	≤20.97	PASS
2DH5	Ant1	2480	1.68	≤20.97	PASS
3DH5	Ant1	2402	2.89	≤20.97	PASS
3DH5	Ant1	2441	2.75	≤20.97	PASS
3DH5	Ant1	2480	2.13	≤20.97	PASS

Test Graphs

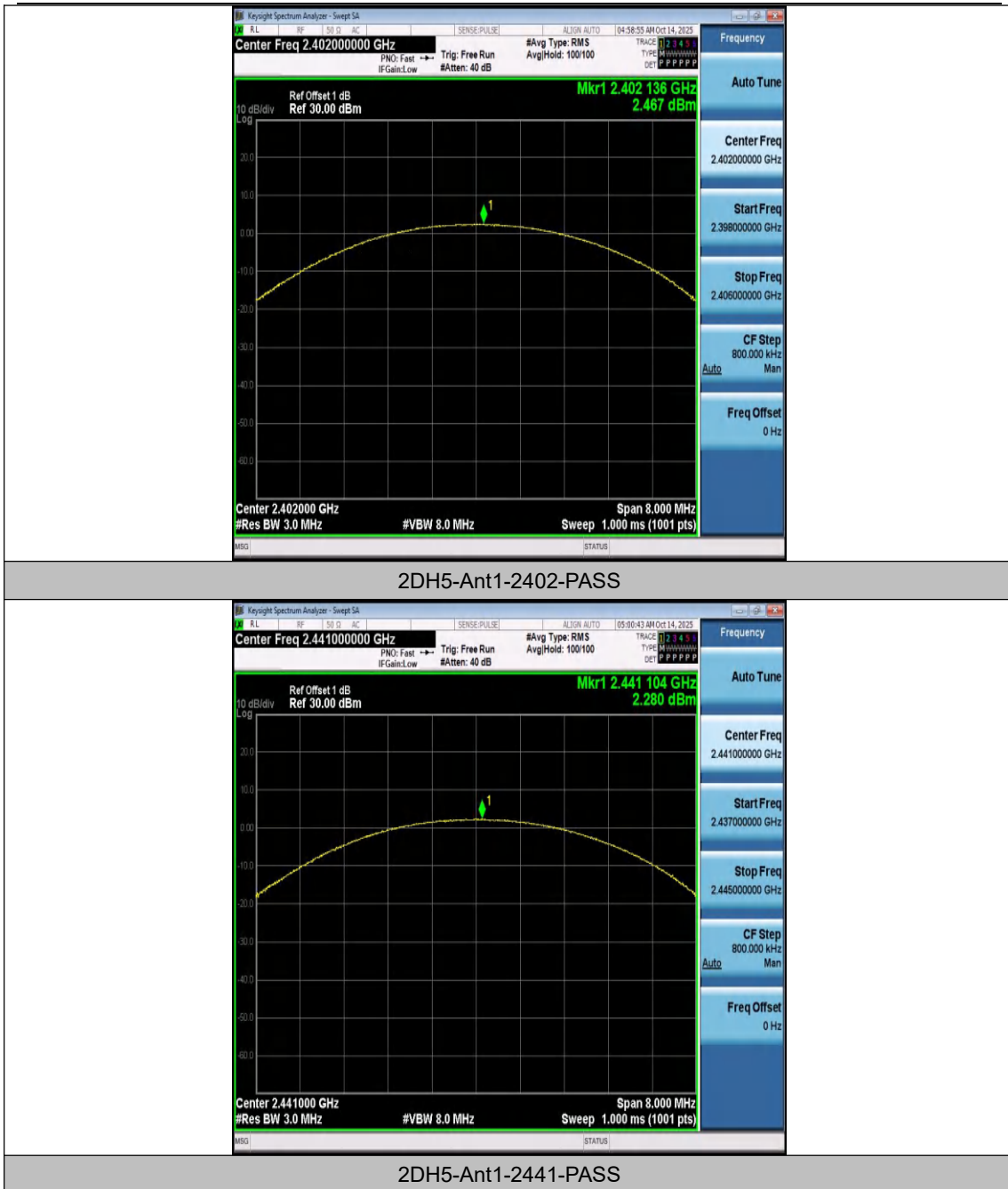




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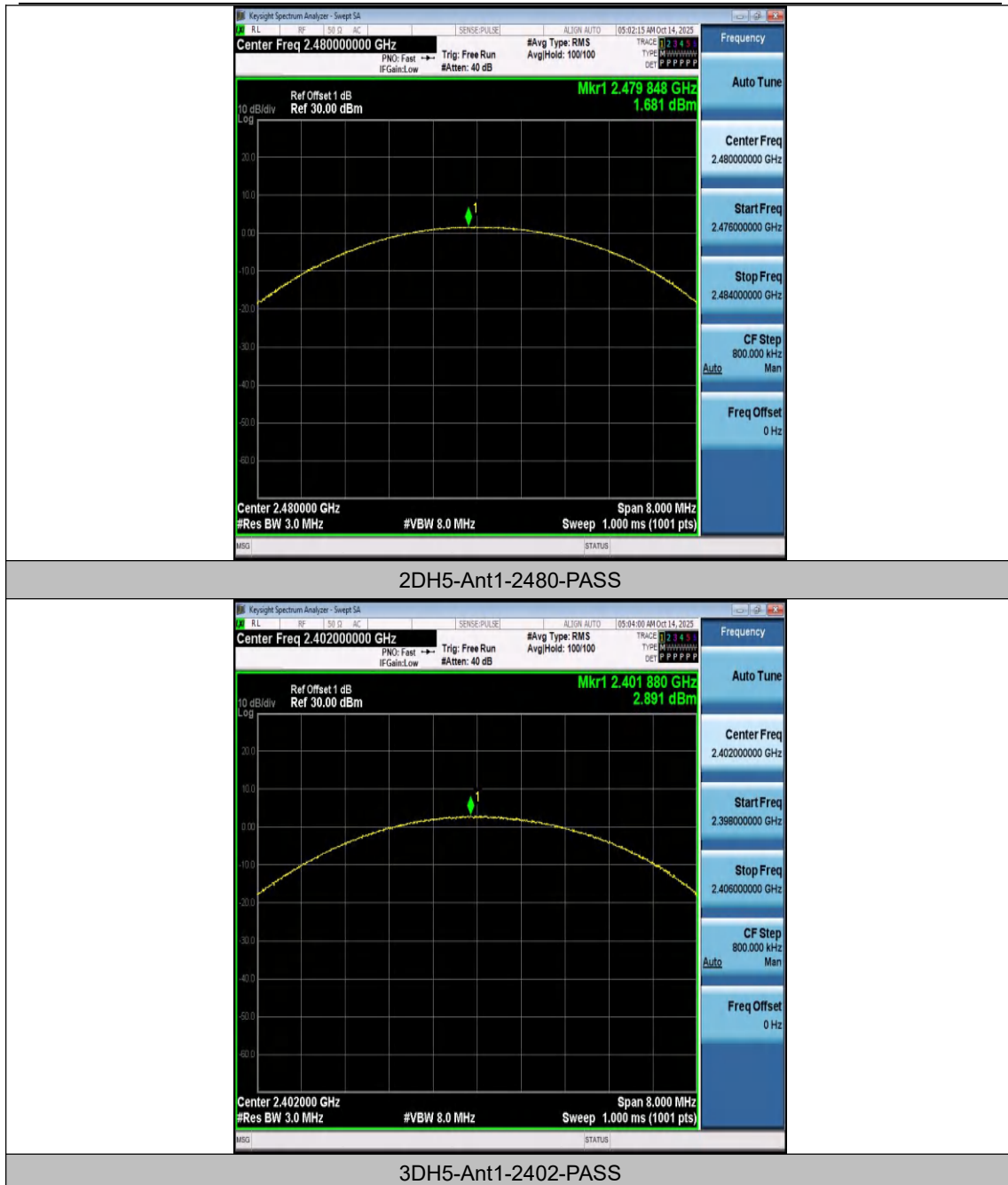
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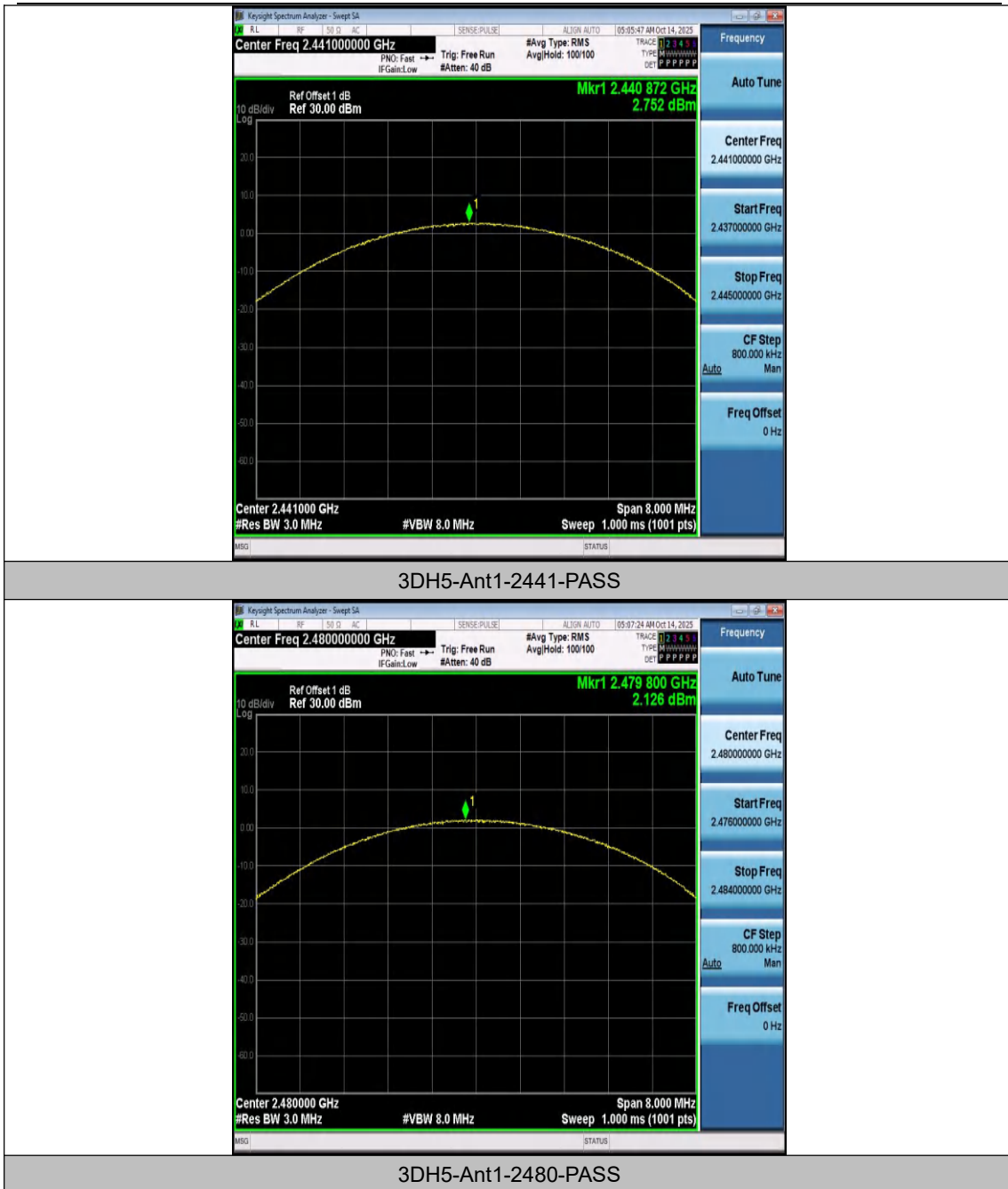
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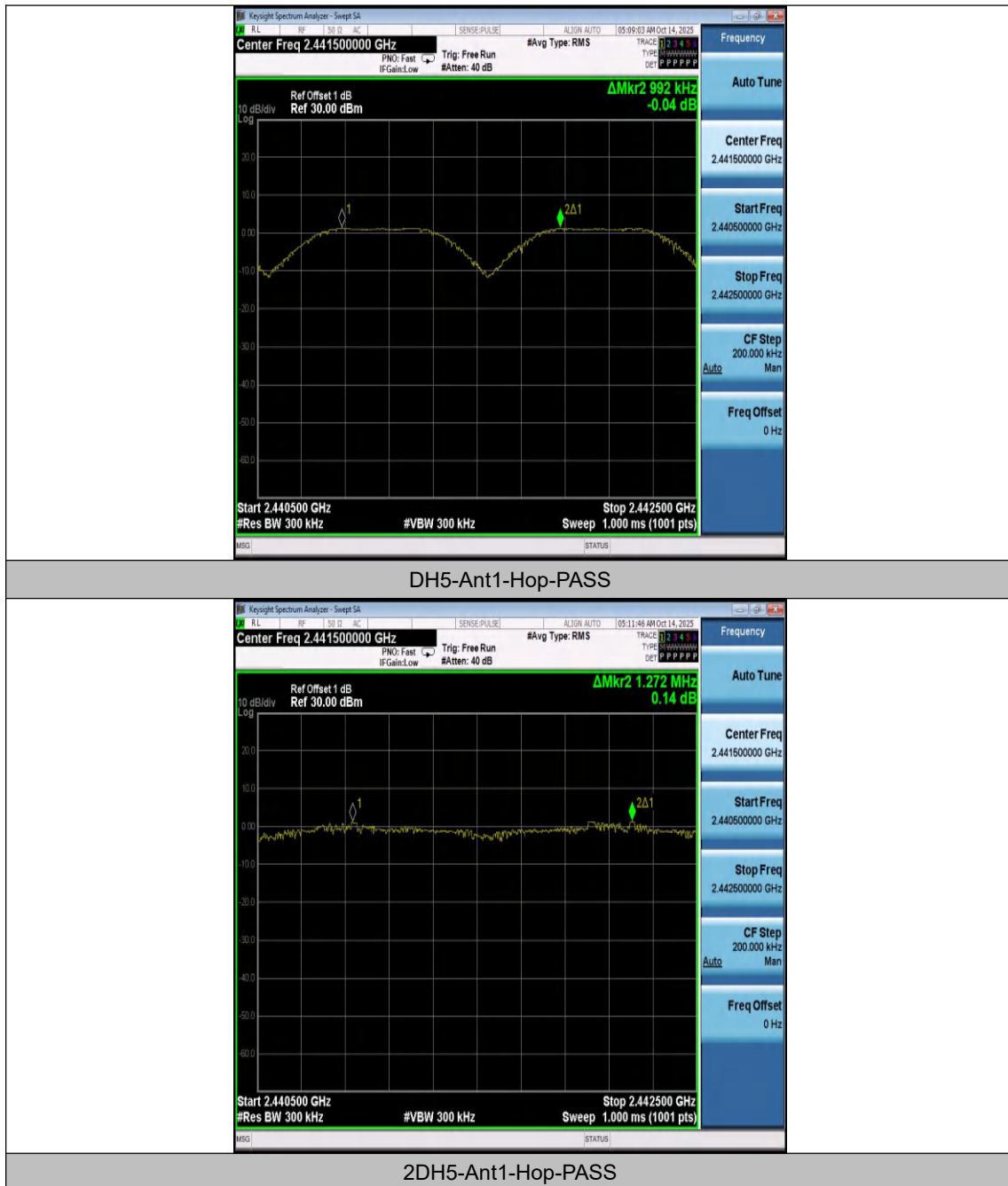
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.954	PASS
2DH5	Ant1	Hop	1.272	≥ 0.876	PASS
3DH5	Ant1	Hop	0.982	≥ 0.874	PASS

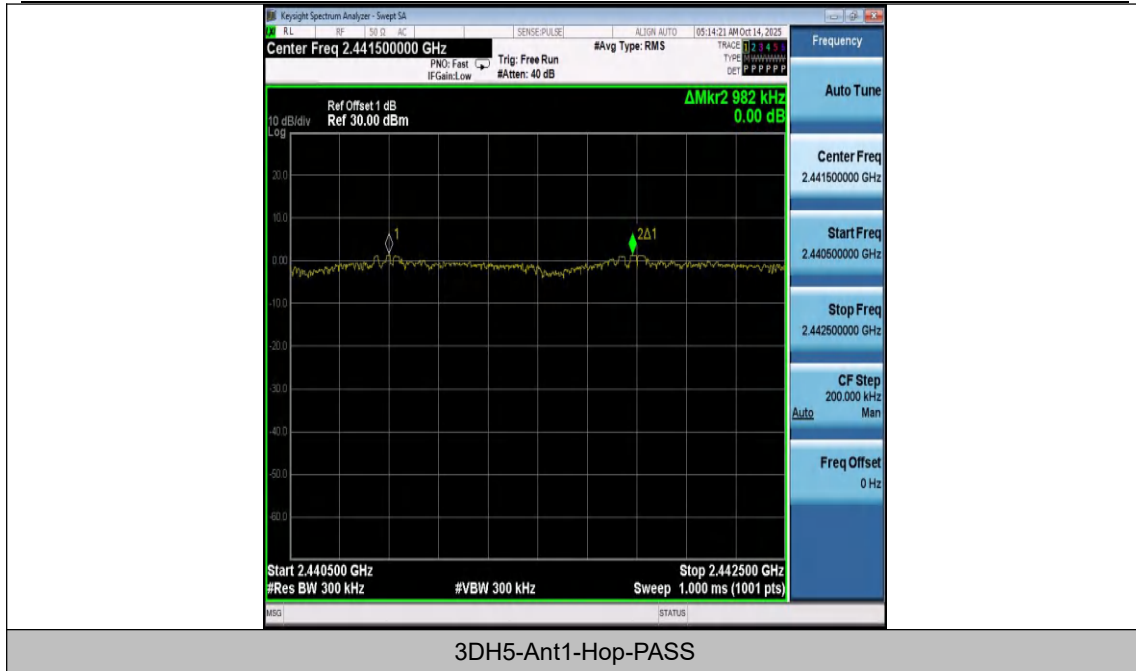
Test Graphs



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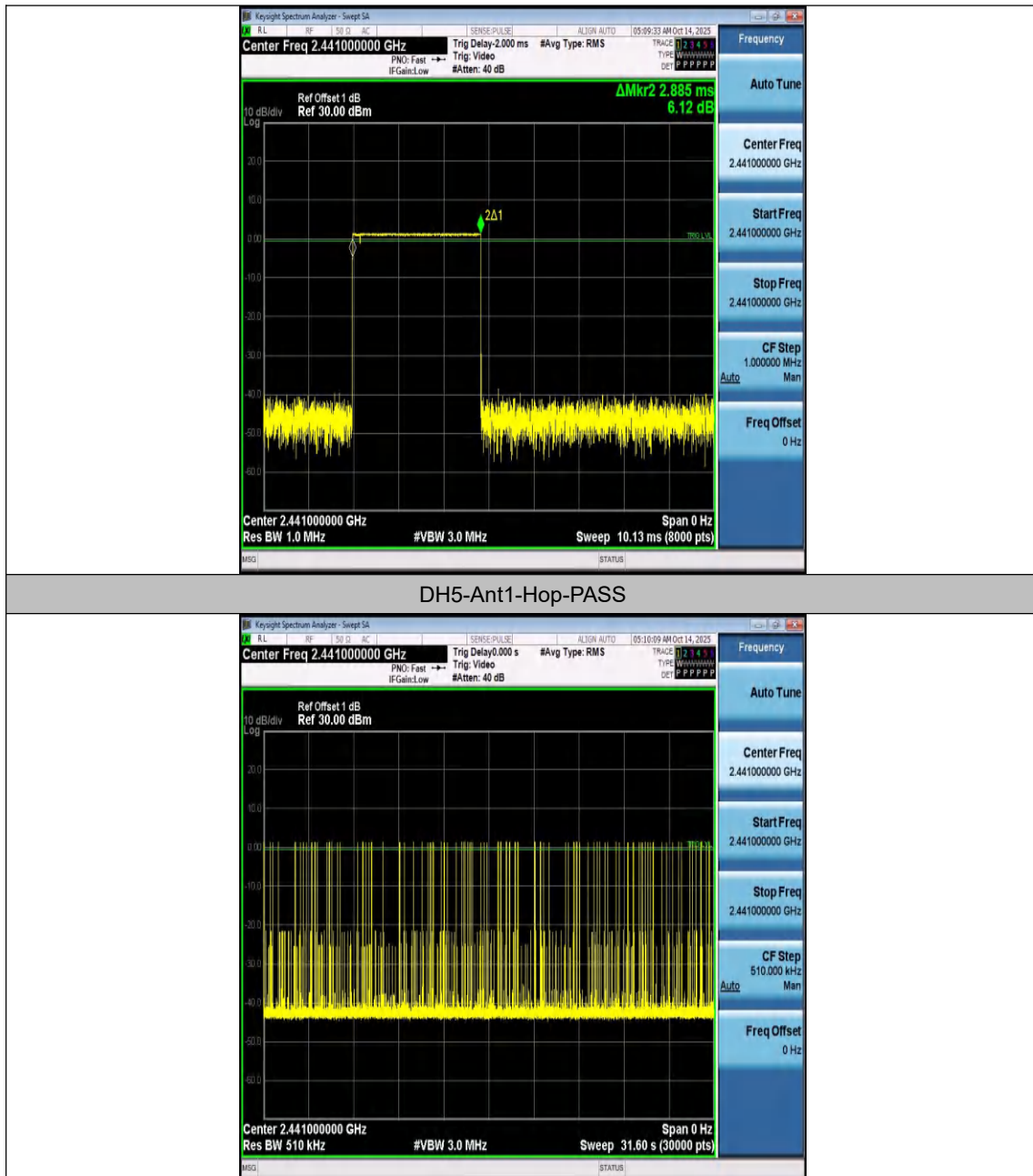
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	109	0.314	≤0.4	PASS
2DH5	Ant1	Hop	2.891	108	0.312	≤0.4	PASS
3DH5	Ant1	Hop	2.892	127	0.367	≤0.4	PASS

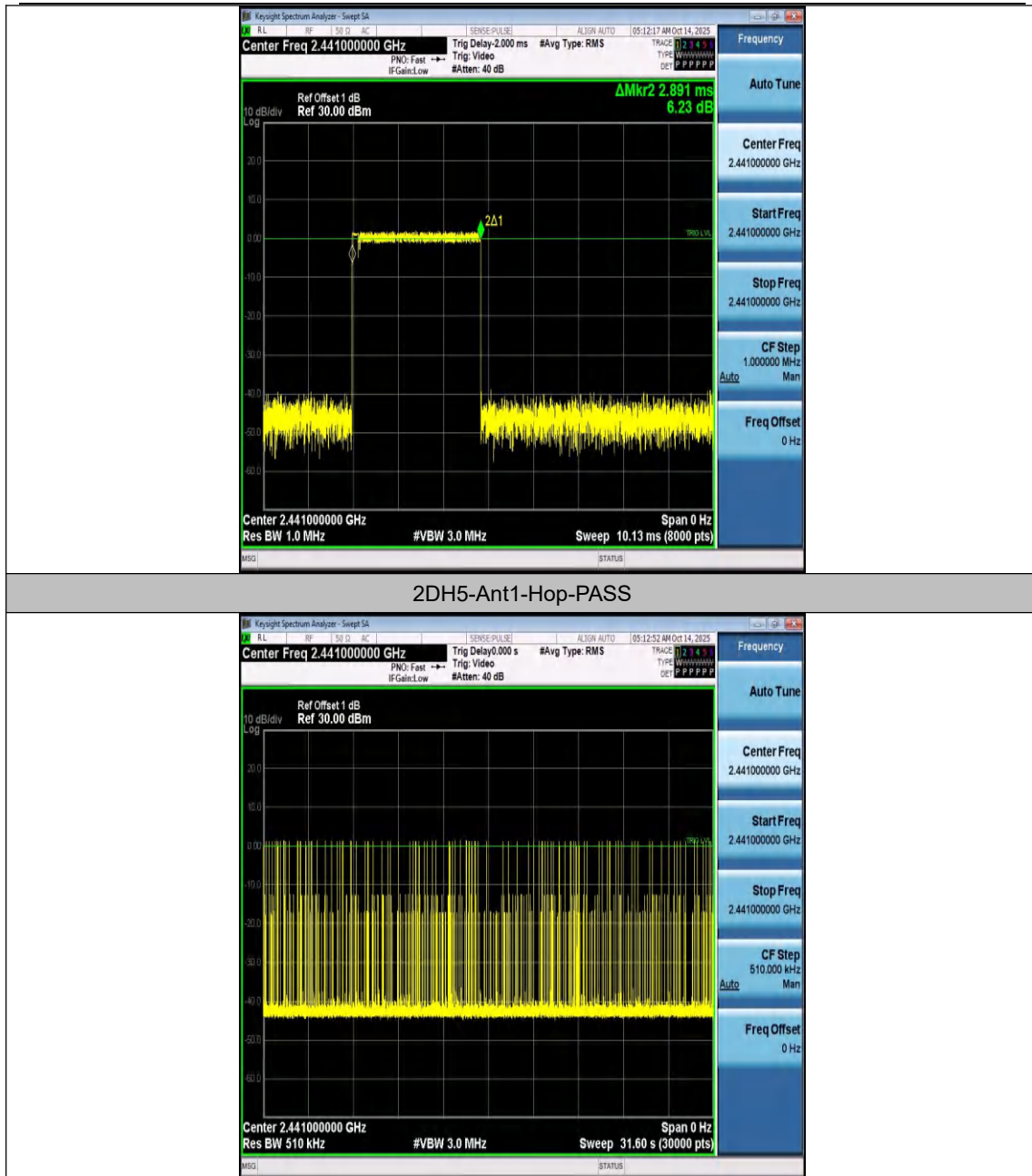
Test Graphs



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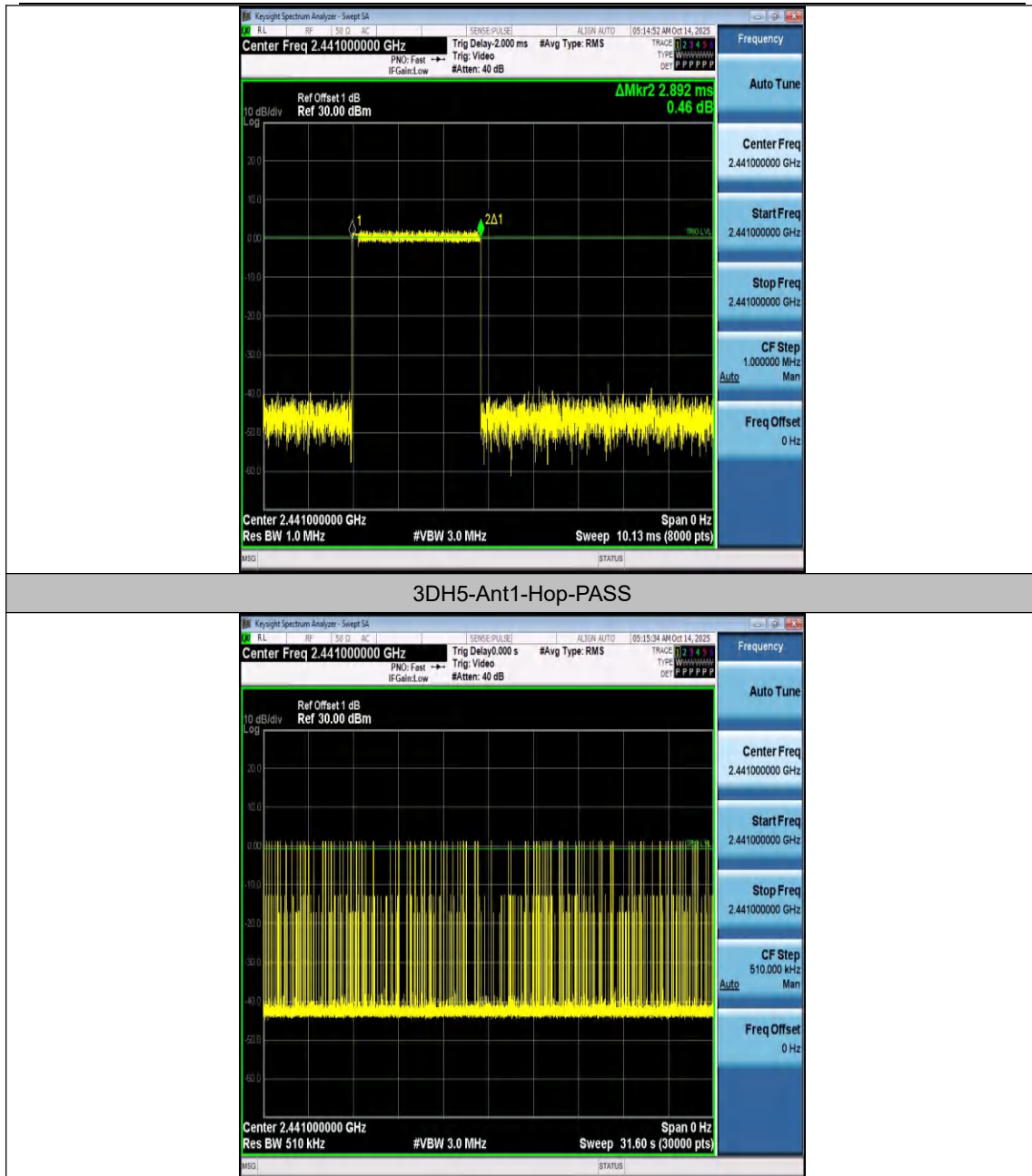
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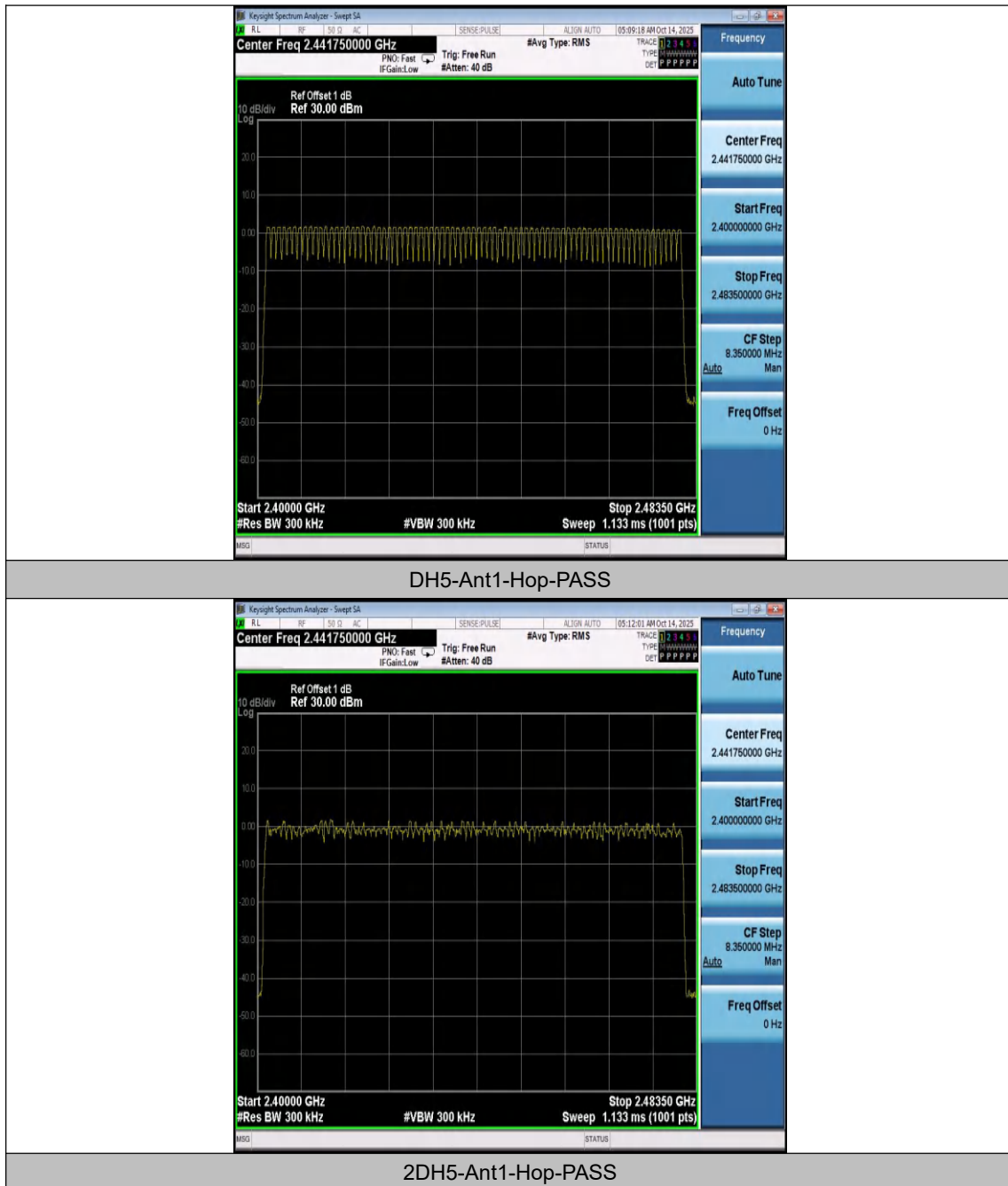
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Appendix F: Number of Hopping Channel

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

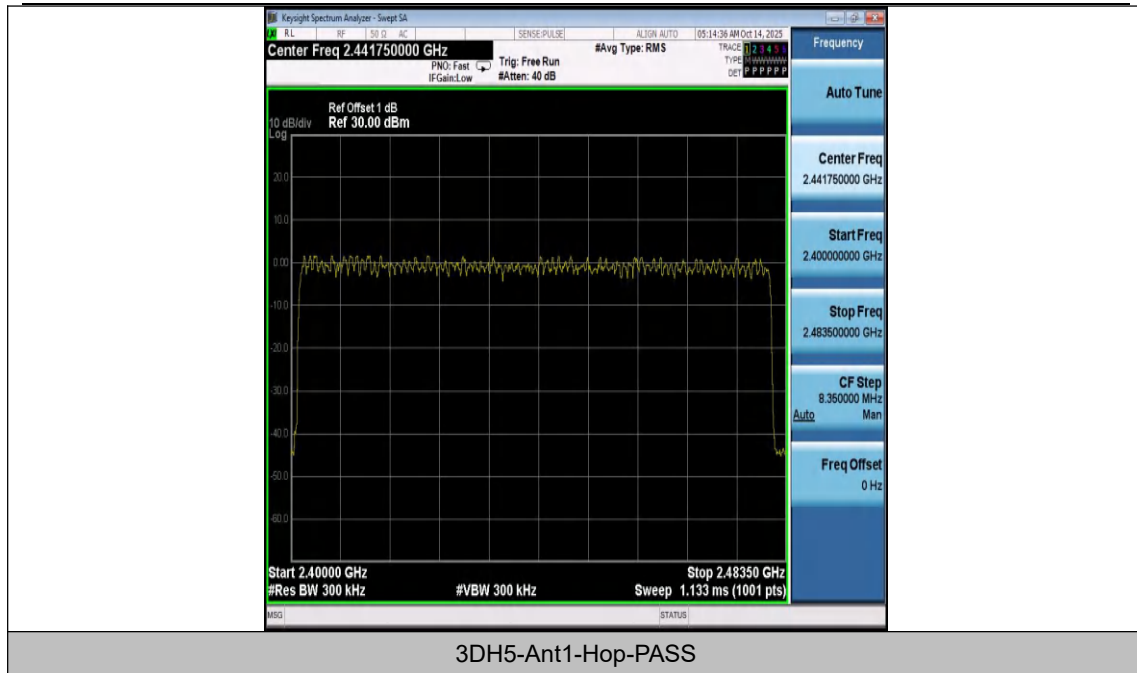
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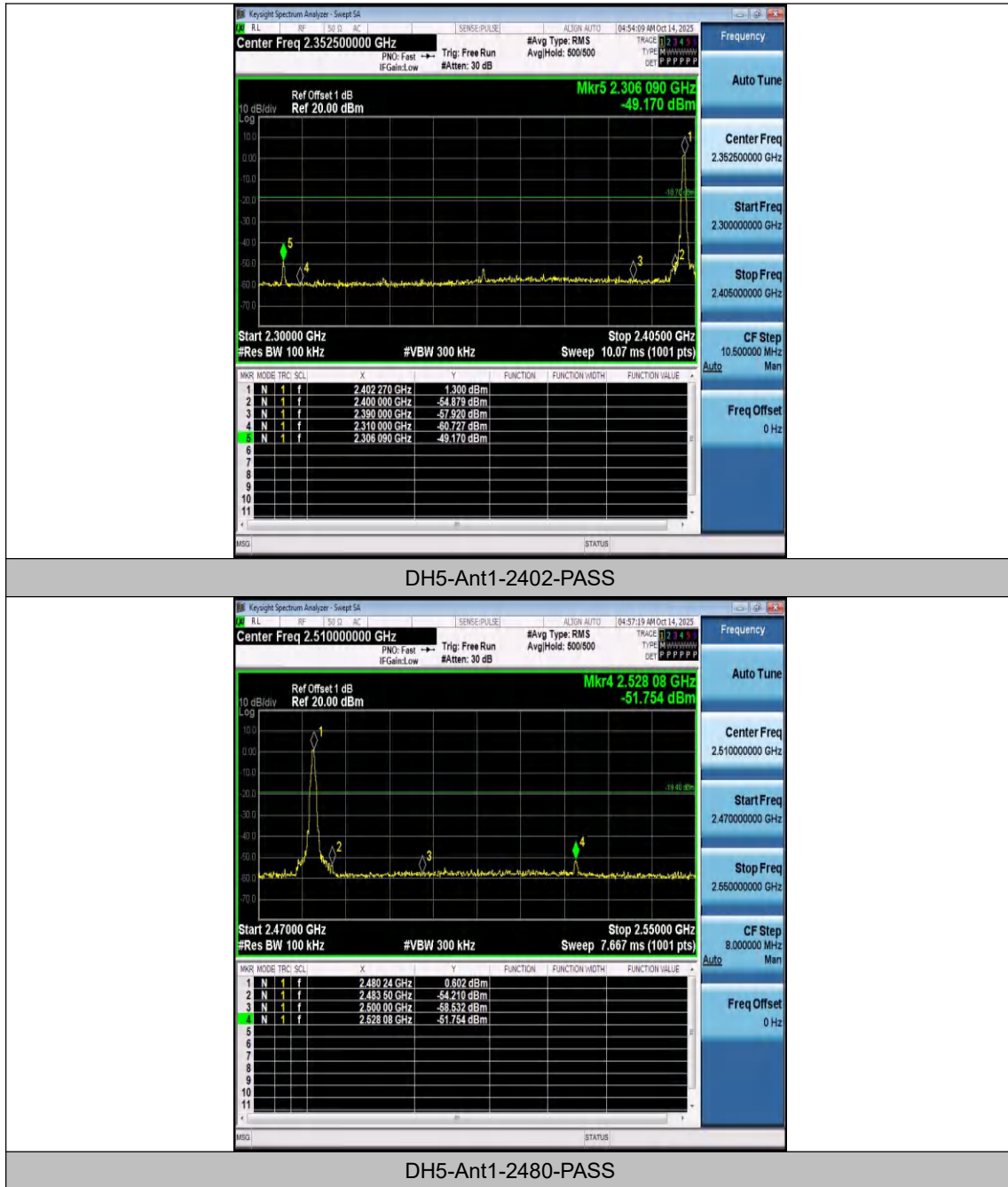
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.30	-49.17	≤-18.7	PASS
DH5	Ant1	High	2480	0.60	-51.75	≤-19.4	PASS
DH5	Ant1	Low	Hop_2402	1.10	-50.03	≤-18.9	PASS
DH5	Ant1	High	Hop_2480	0.85	-47.95	≤-19.15	PASS
2DH5	Ant1	Low	2402	1.43	-50.62	≤-18.57	PASS
2DH5	Ant1	High	2480	0.66	-53.75	≤-19.34	PASS
2DH5	Ant1	Low	Hop_2402	-1.98	-50.22	≤-21.98	PASS
2DH5	Ant1	High	Hop_2480	0.31	-50.77	≤-19.69	PASS
3DH5	Ant1	Low	2402	1.40	-48.26	≤-18.61	PASS
3DH5	Ant1	High	2480	0.64	-53.44	≤-19.37	PASS
3DH5	Ant1	Low	Hop_2402	-0.34	-51.63	≤-20.34	PASS
3DH5	Ant1	High	Hop_2480	-1.46	-50.78	≤-21.46	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.

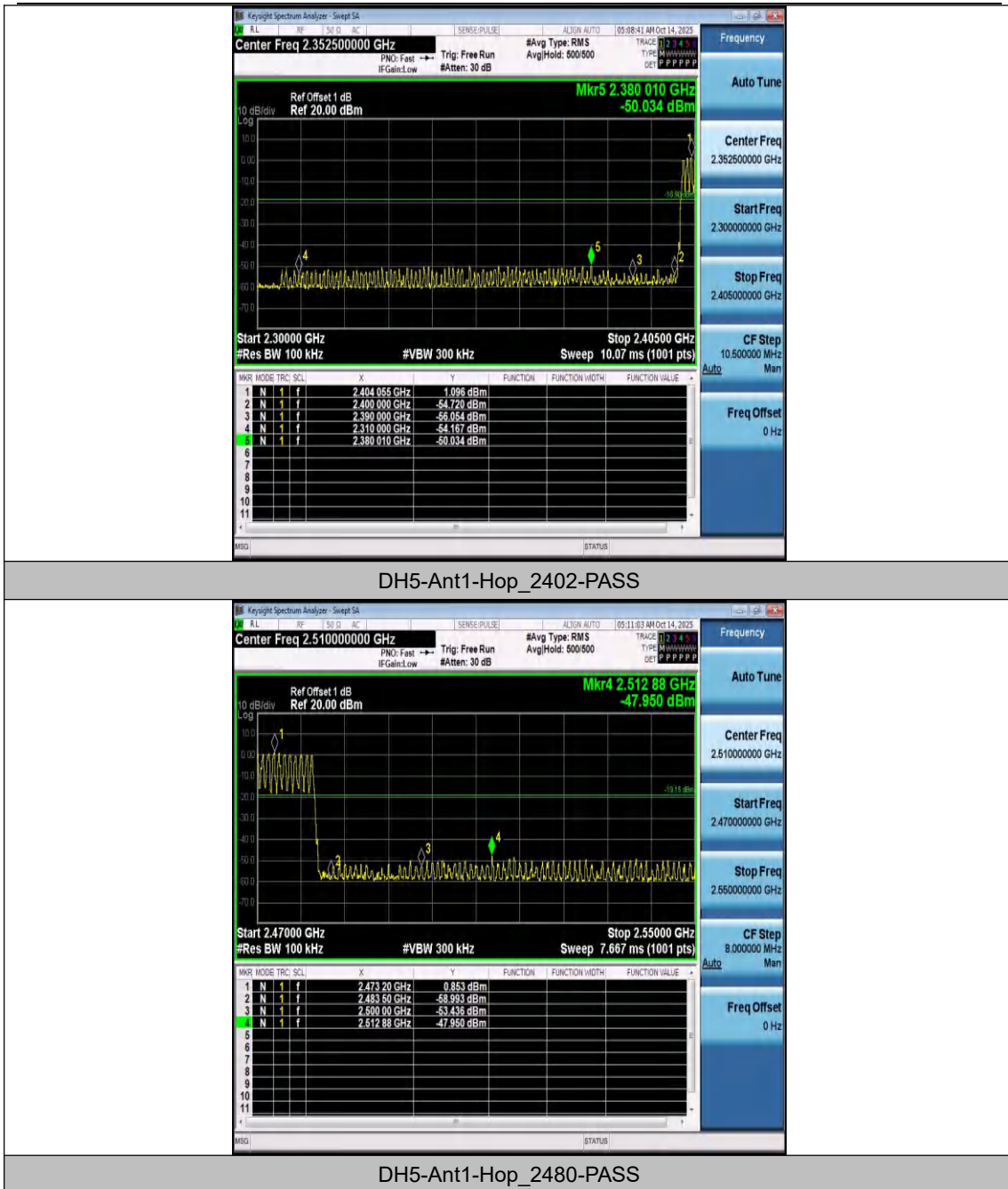
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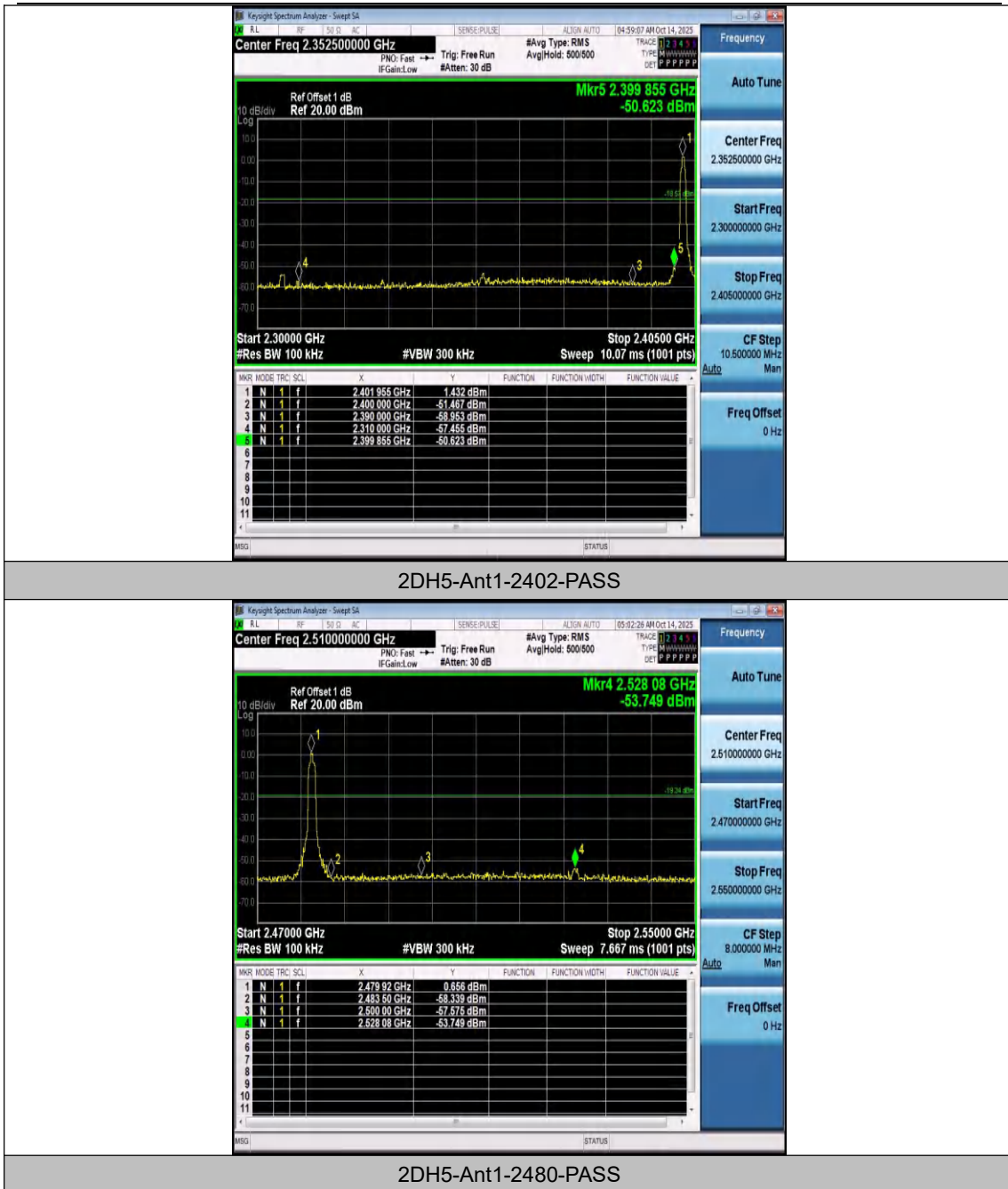


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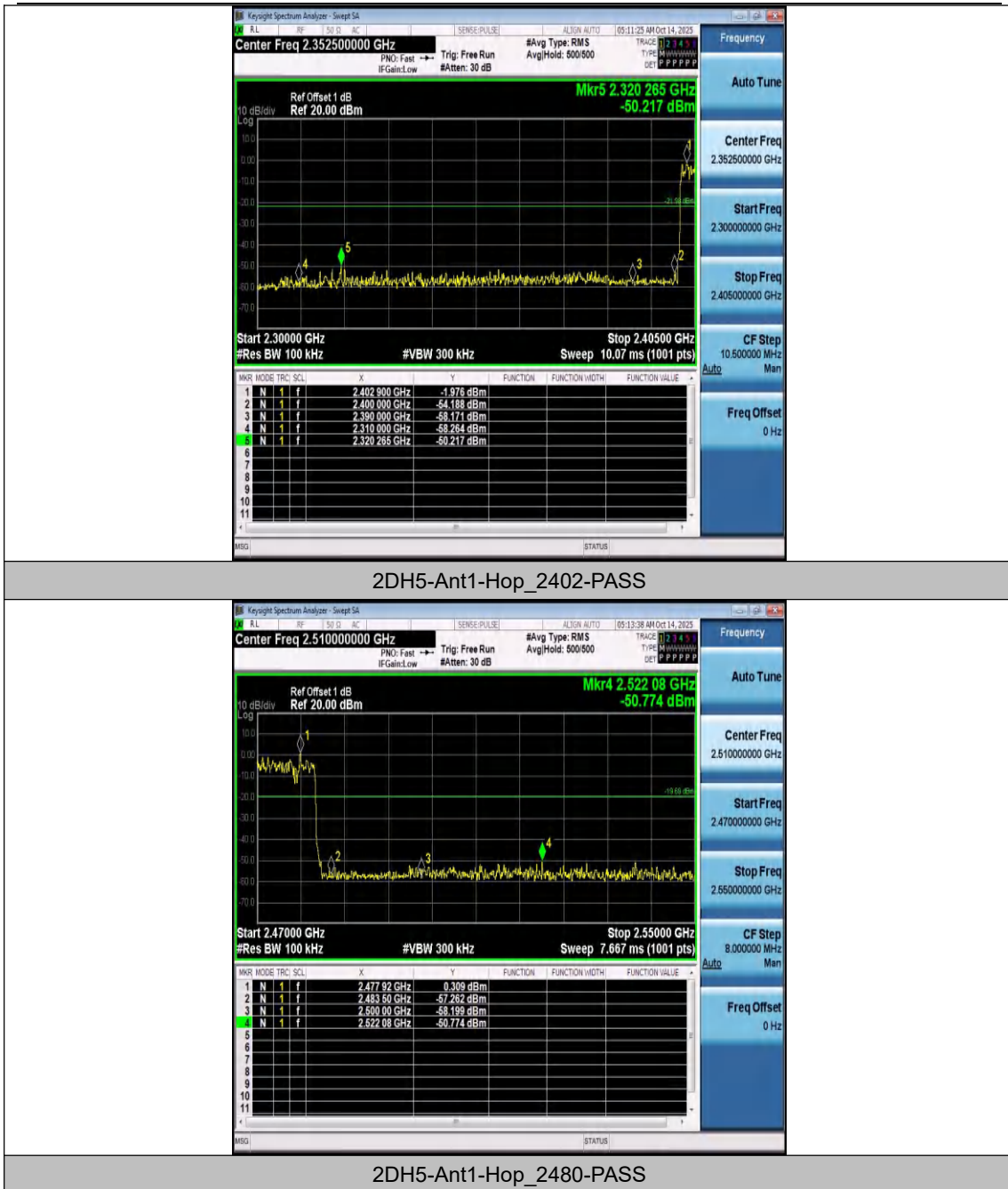


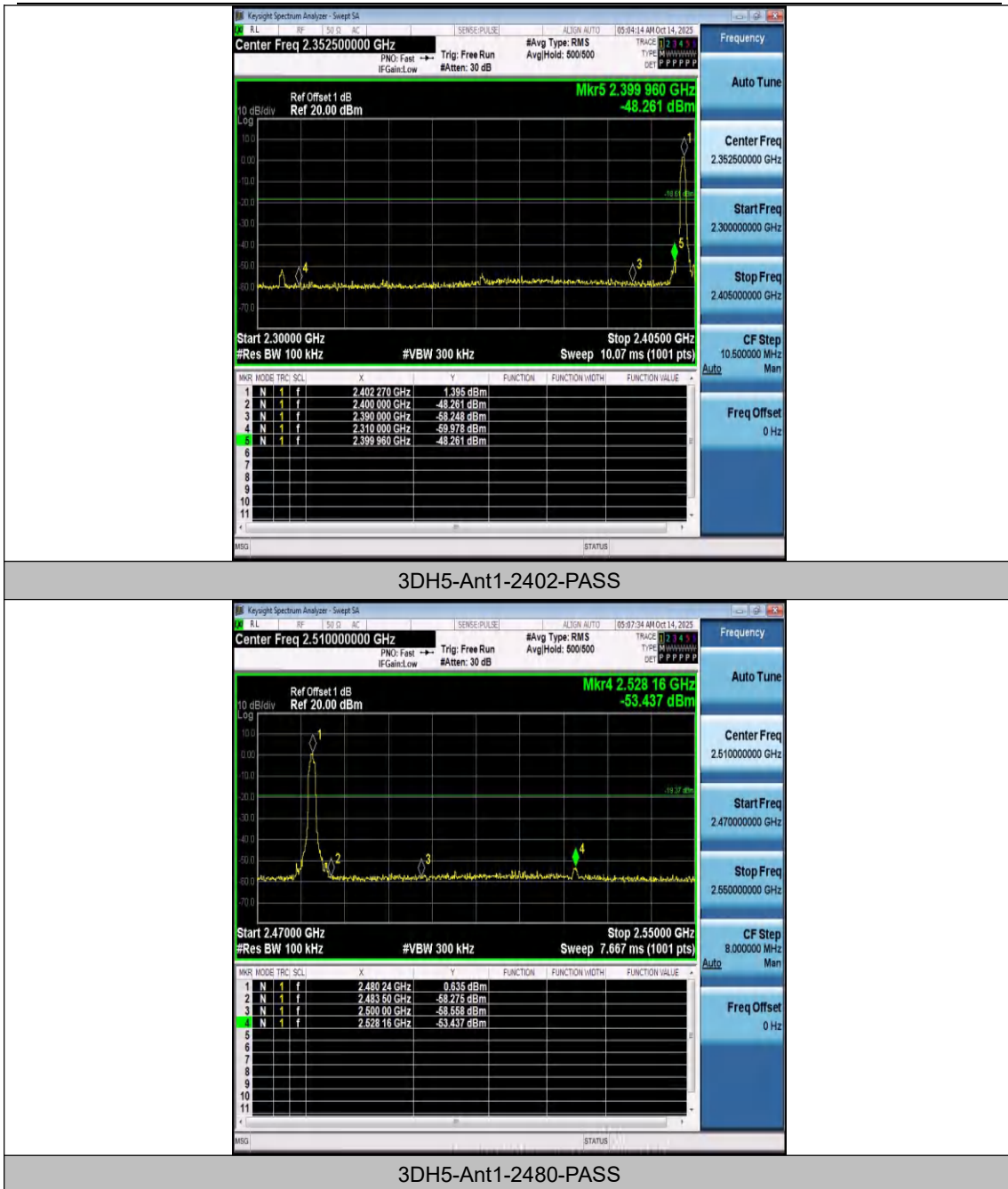


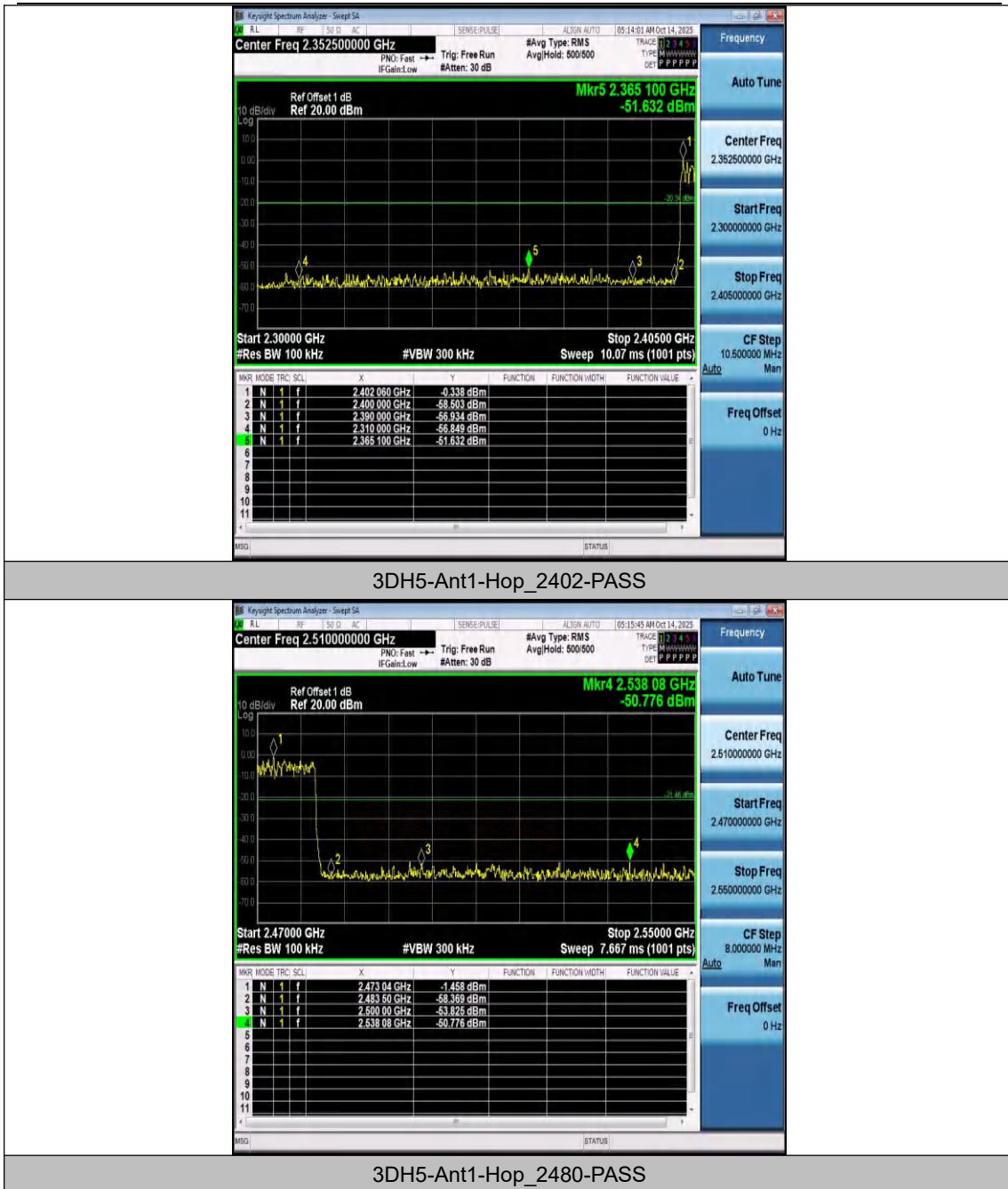
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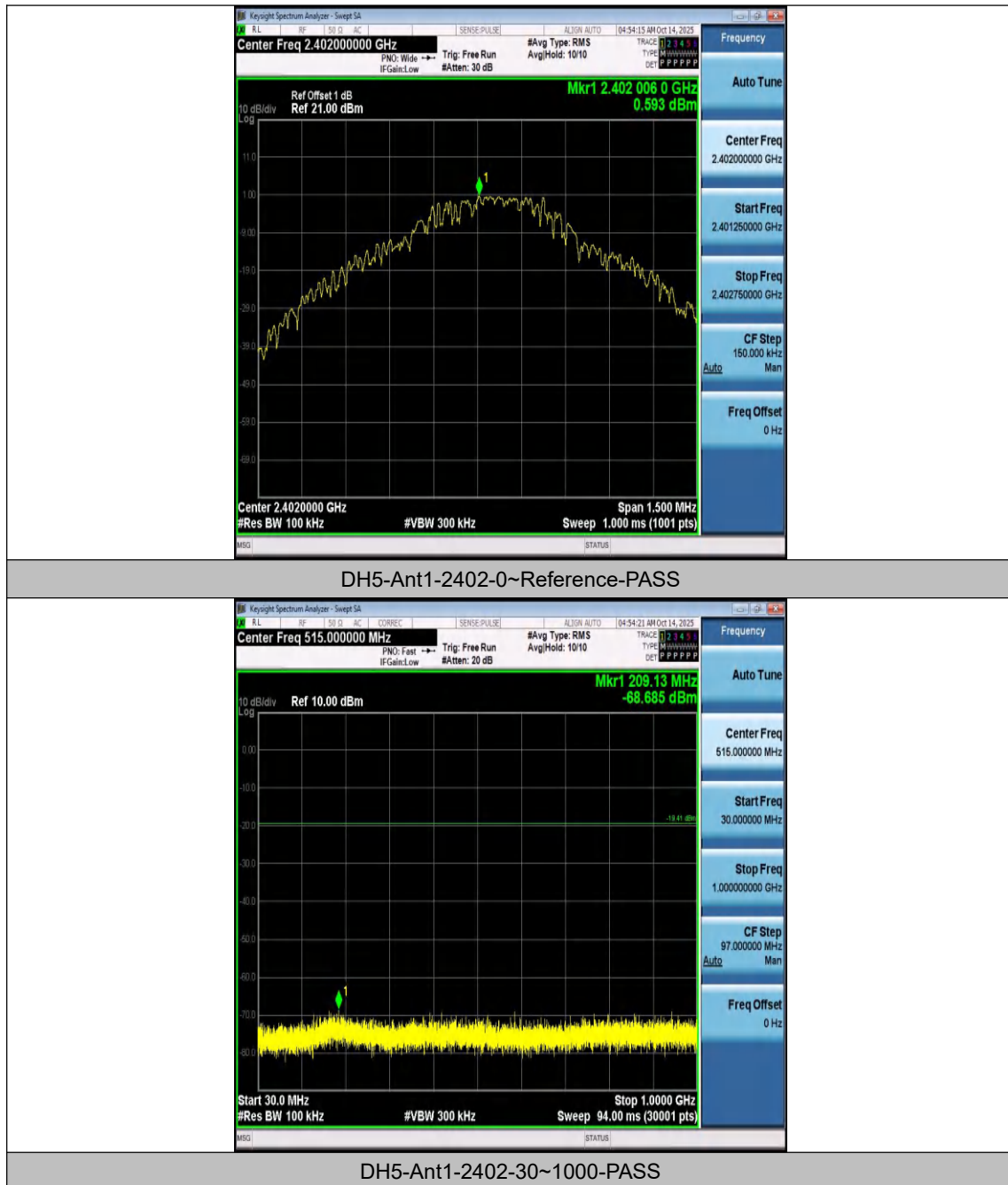
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.59	0.59	---	PASS
DH5	Ant1	2402	30~1000	0.59	-68.69	≤-19.41	PASS
DH5	Ant1	2402	1000~26500	0.59	-39.68	≤-19.41	PASS
DH5	Ant1	2441	0~Reference	0.52	0.52	---	PASS
DH5	Ant1	2441	30~1000	0.52	-69.17	≤-19.48	PASS
DH5	Ant1	2441	1000~26500	0.52	-40.09	≤-19.48	PASS
DH5	Ant1	2480	0~Reference	-0.04	-0.04	---	PASS
DH5	Ant1	2480	30~1000	-0.04	-68.71	≤-20.04	PASS
DH5	Ant1	2480	1000~26500	-0.04	-39.04	≤-20.04	PASS
2DH5	Ant1	2402	0~Reference	1.34	1.34	---	PASS
2DH5	Ant1	2402	30~1000	1.34	-68.93	≤-18.66	PASS
2DH5	Ant1	2402	1000~26500	1.34	-39.37	≤-18.66	PASS
2DH5	Ant1	2441	0~Reference	0.64	0.64	---	PASS
2DH5	Ant1	2441	30~1000	0.64	-68.35	≤-19.36	PASS
2DH5	Ant1	2441	1000~26500	0.64	-39.93	≤-19.36	PASS
2DH5	Ant1	2480	0~Reference	0.16	0.16	---	PASS
2DH5	Ant1	2480	30~1000	0.16	-68.96	≤-19.84	PASS
2DH5	Ant1	2480	1000~26500	0.16	-42.28	≤-19.84	PASS
3DH5	Ant1	2402	0~Reference	-2.26	-2.26	---	PASS
3DH5	Ant1	2402	30~1000	-2.26	-67.84	≤-22.26	PASS
3DH5	Ant1	2402	1000~26500	-2.26	-39.67	≤-22.26	PASS
3DH5	Ant1	2441	0~Reference	0.47	0.47	---	PASS
3DH5	Ant1	2441	30~1000	0.47	-68.75	≤-19.53	PASS
3DH5	Ant1	2441	1000~26500	0.47	-39.97	≤-19.53	PASS
3DH5	Ant1	2480	0~Reference	-3.12	-3.12	---	PASS
3DH5	Ant1	2480	30~1000	-3.12	-68.55	≤-23.12	PASS
3DH5	Ant1	2480	1000~26500	-3.12	-37.53	≤-23.12	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.

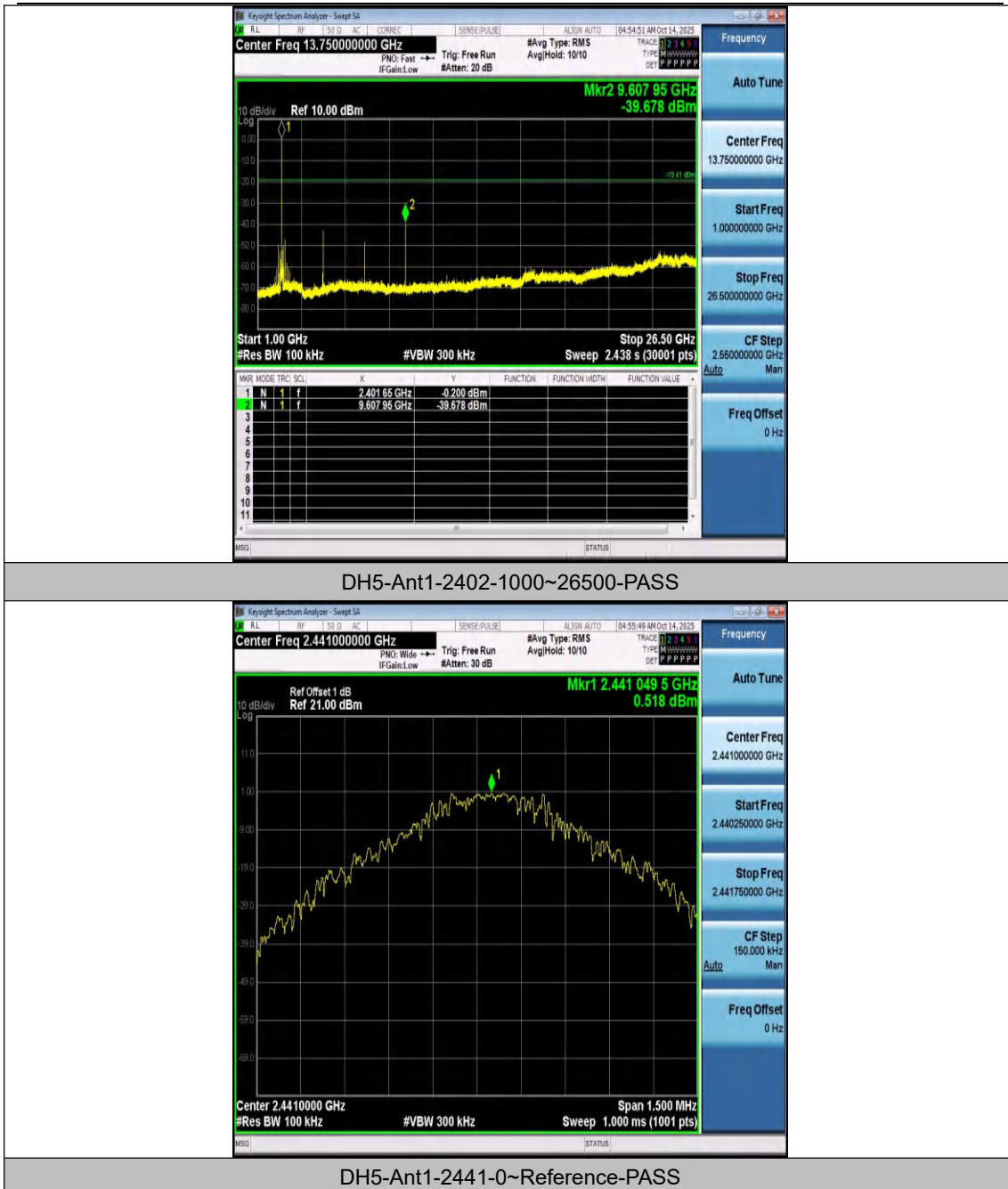
Test Graphs



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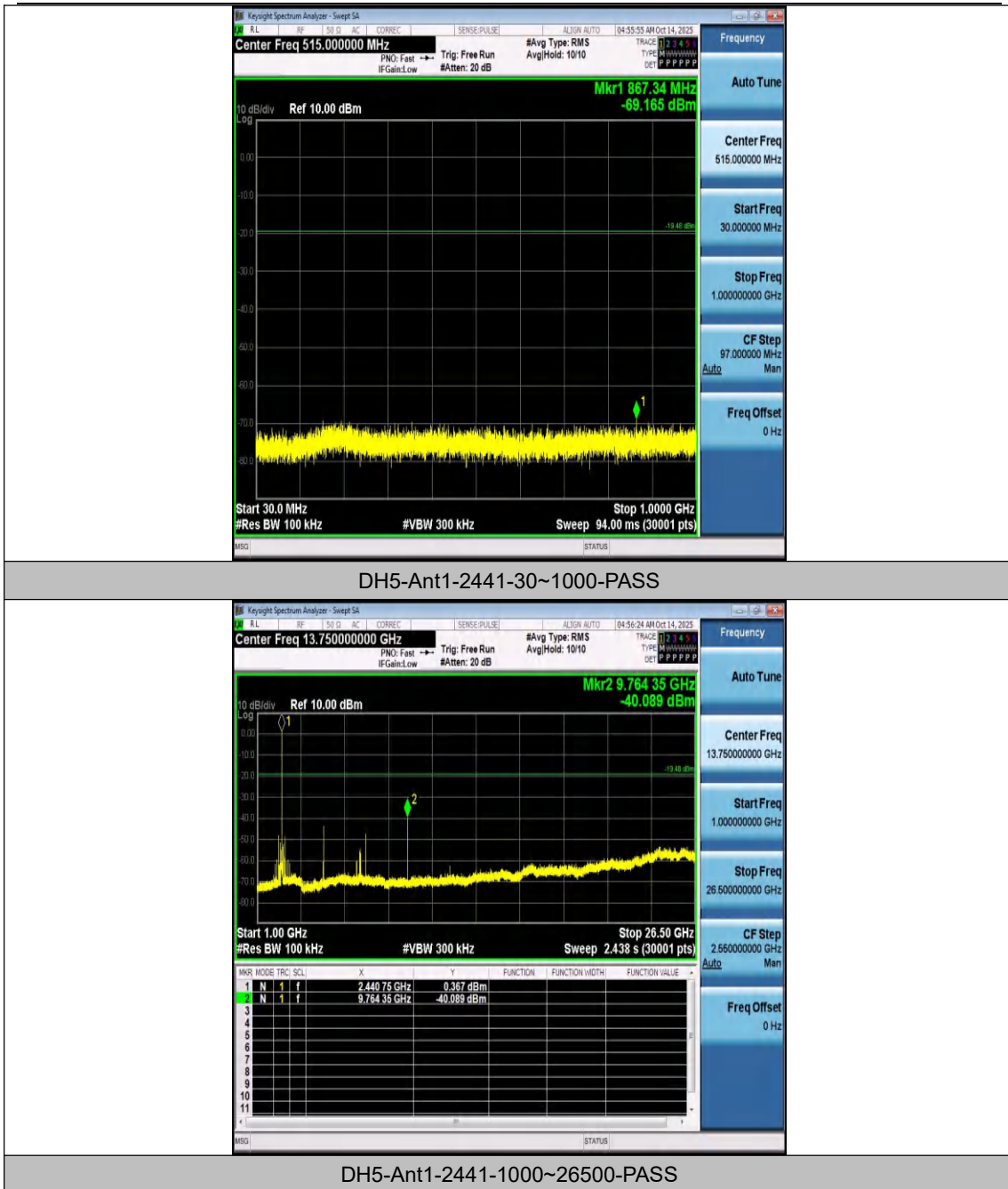
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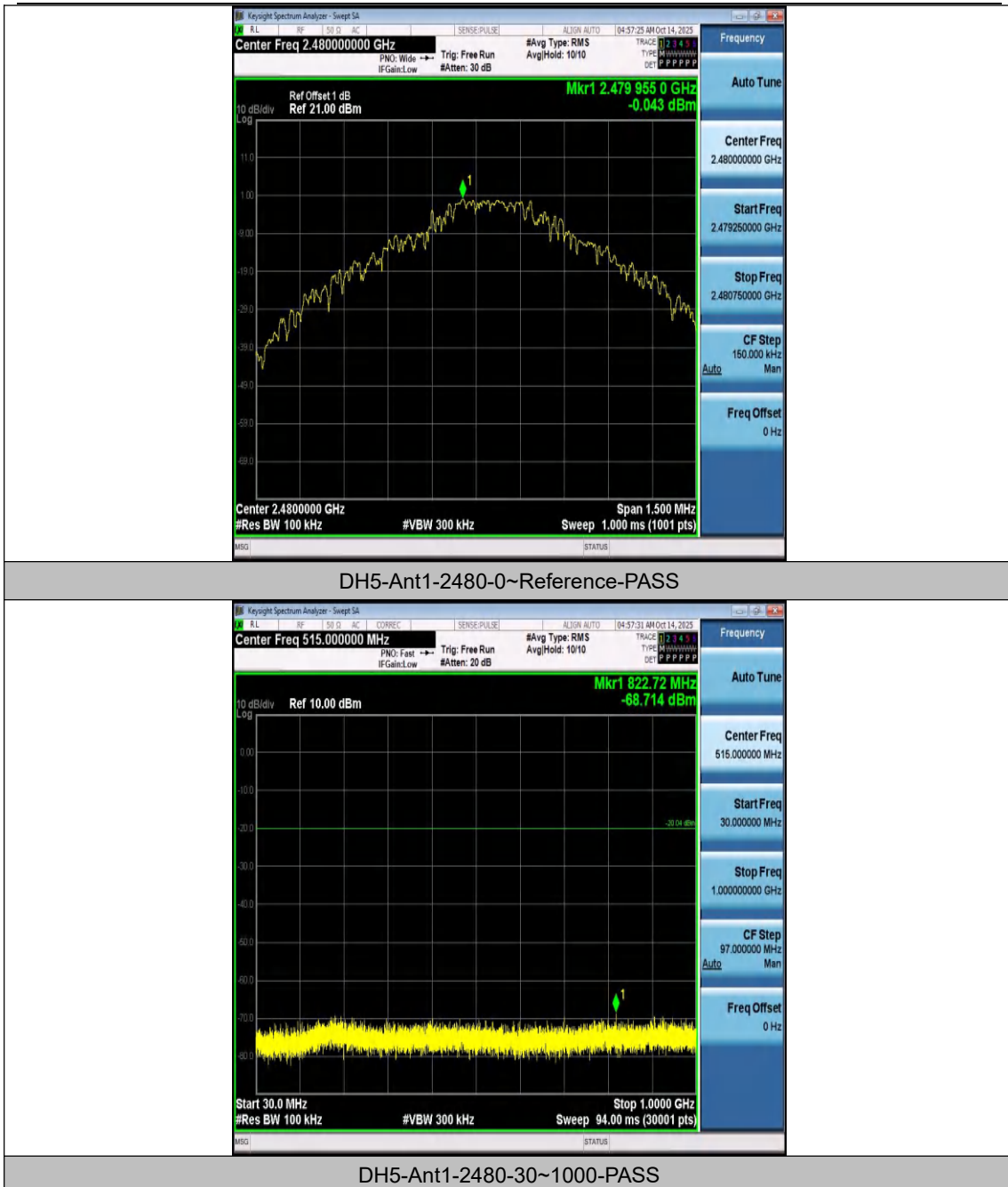
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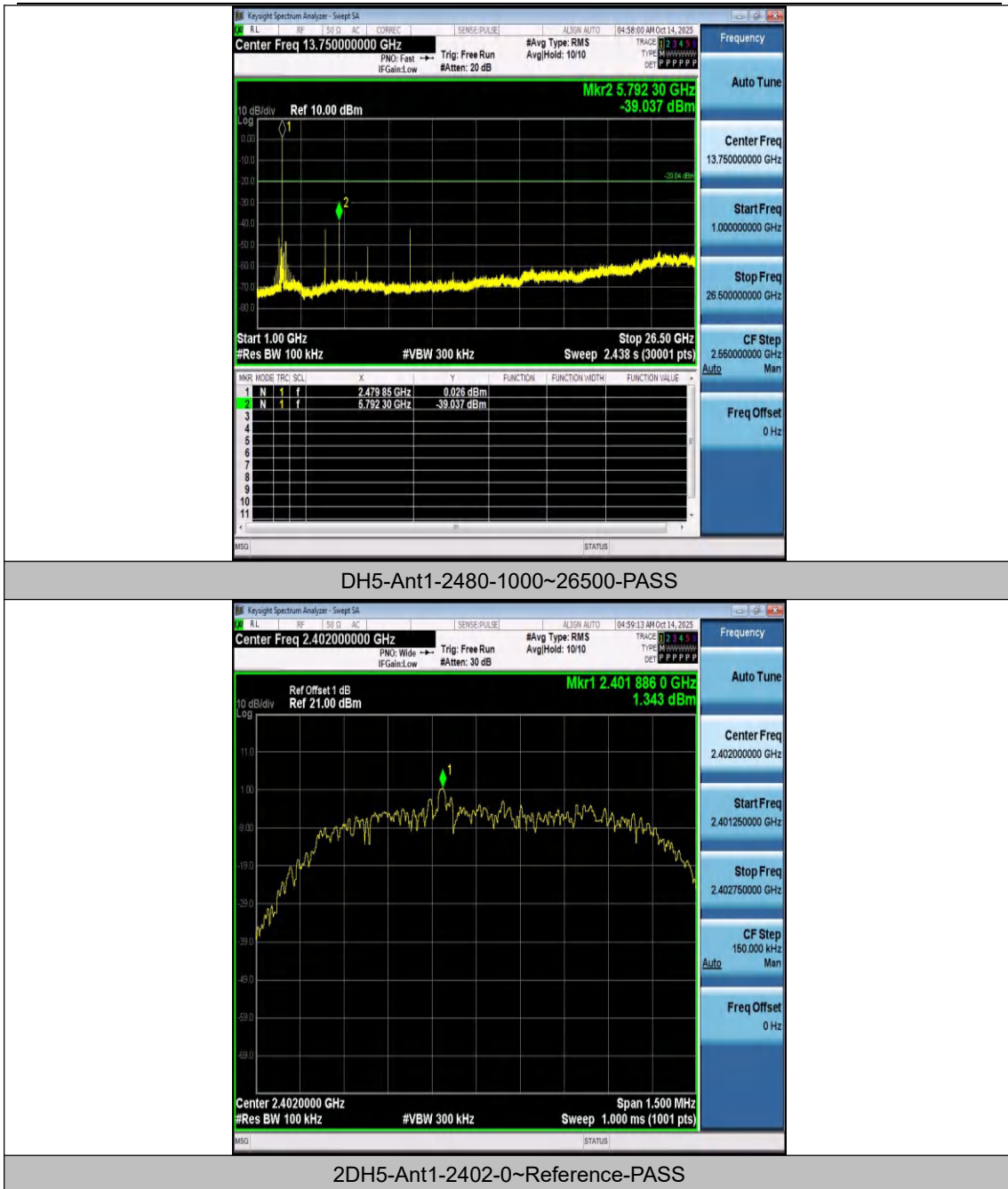
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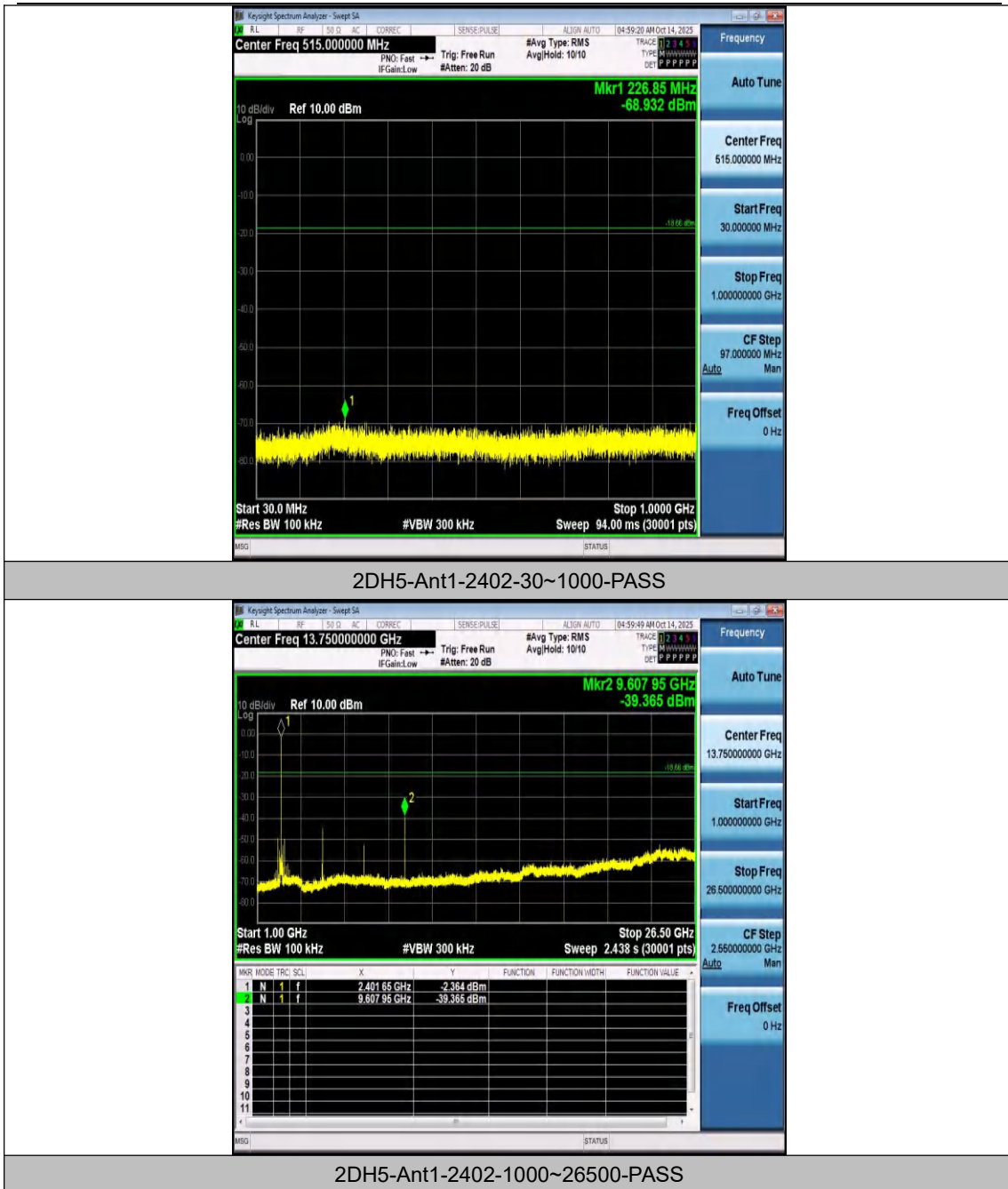
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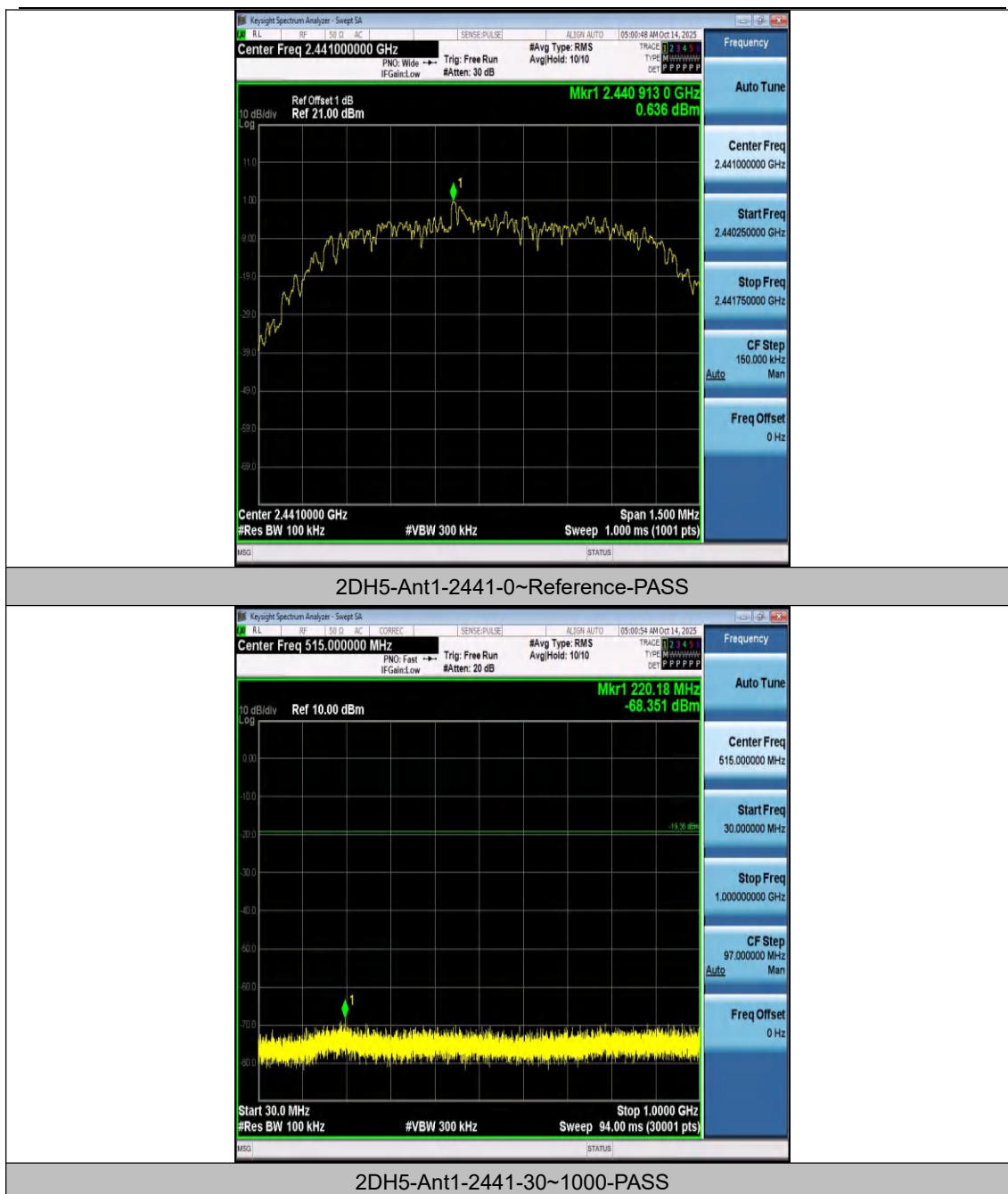
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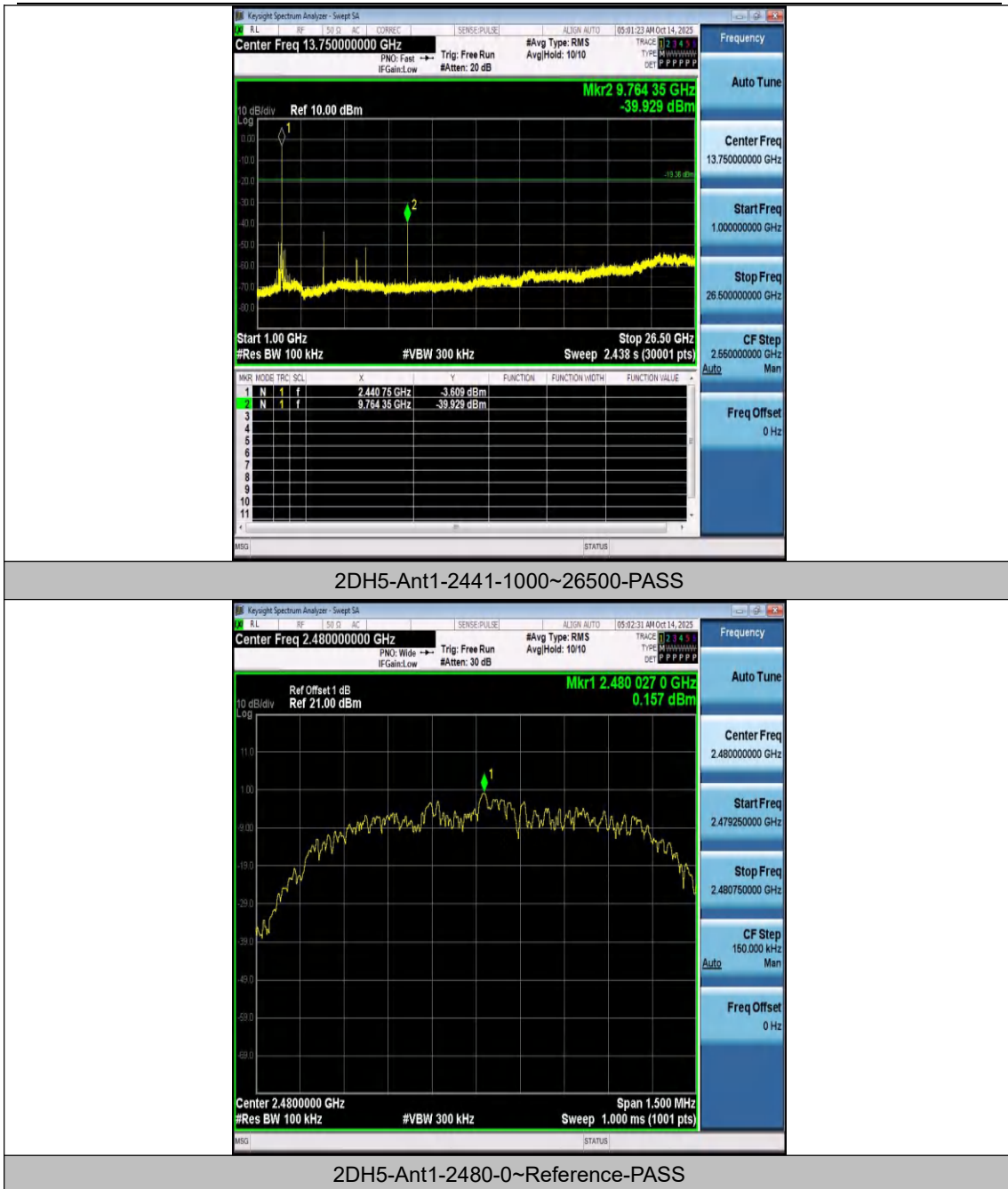
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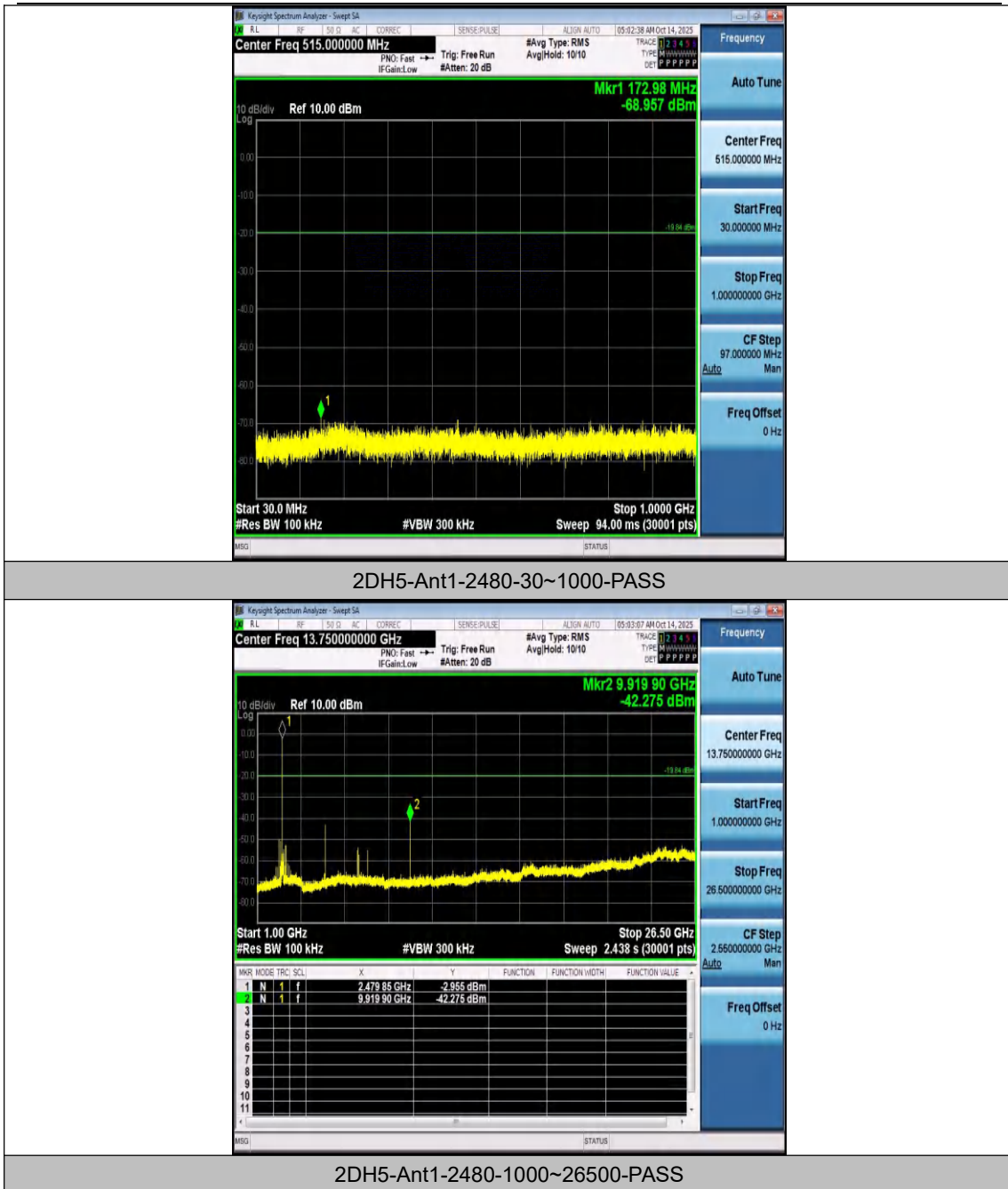
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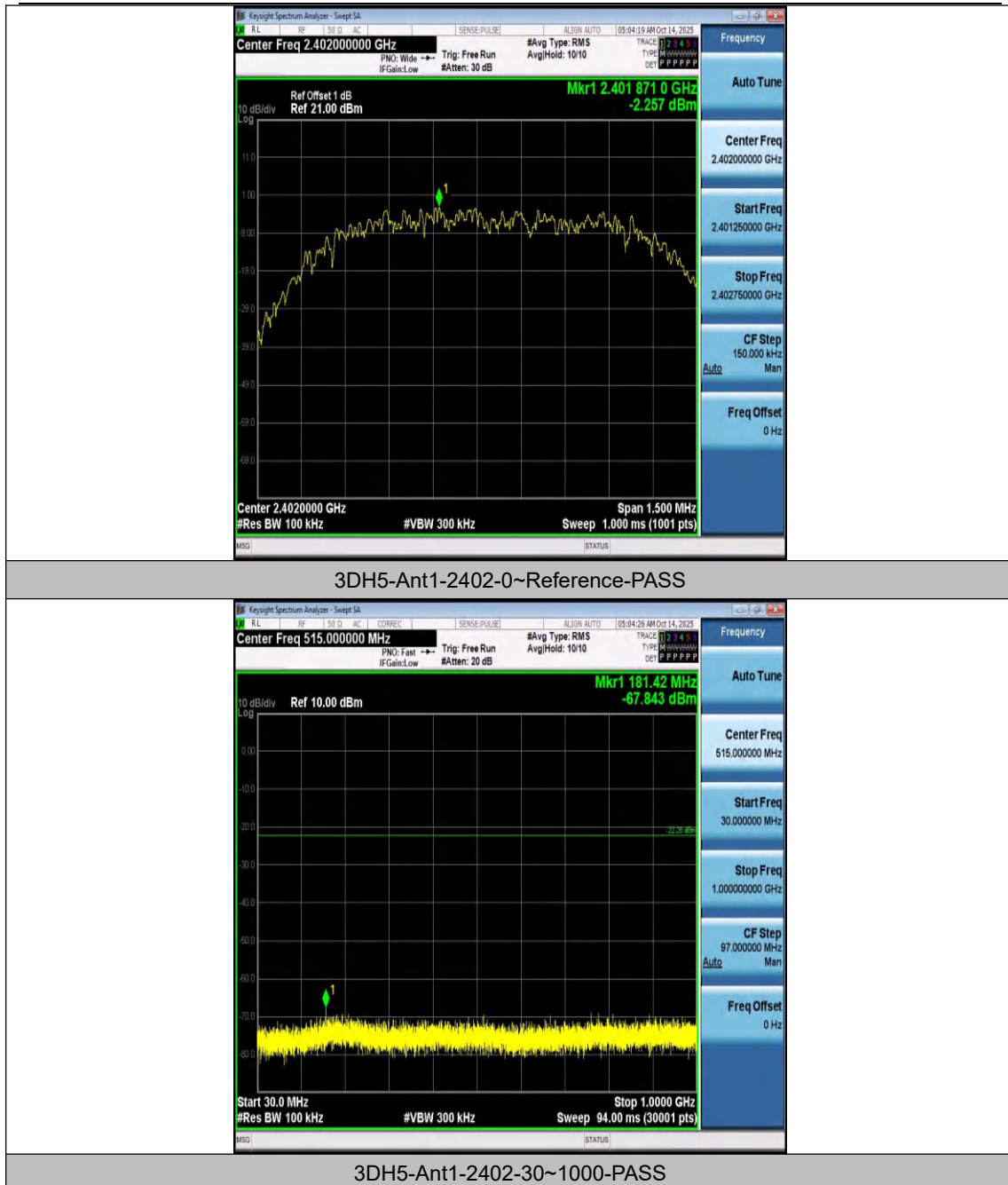
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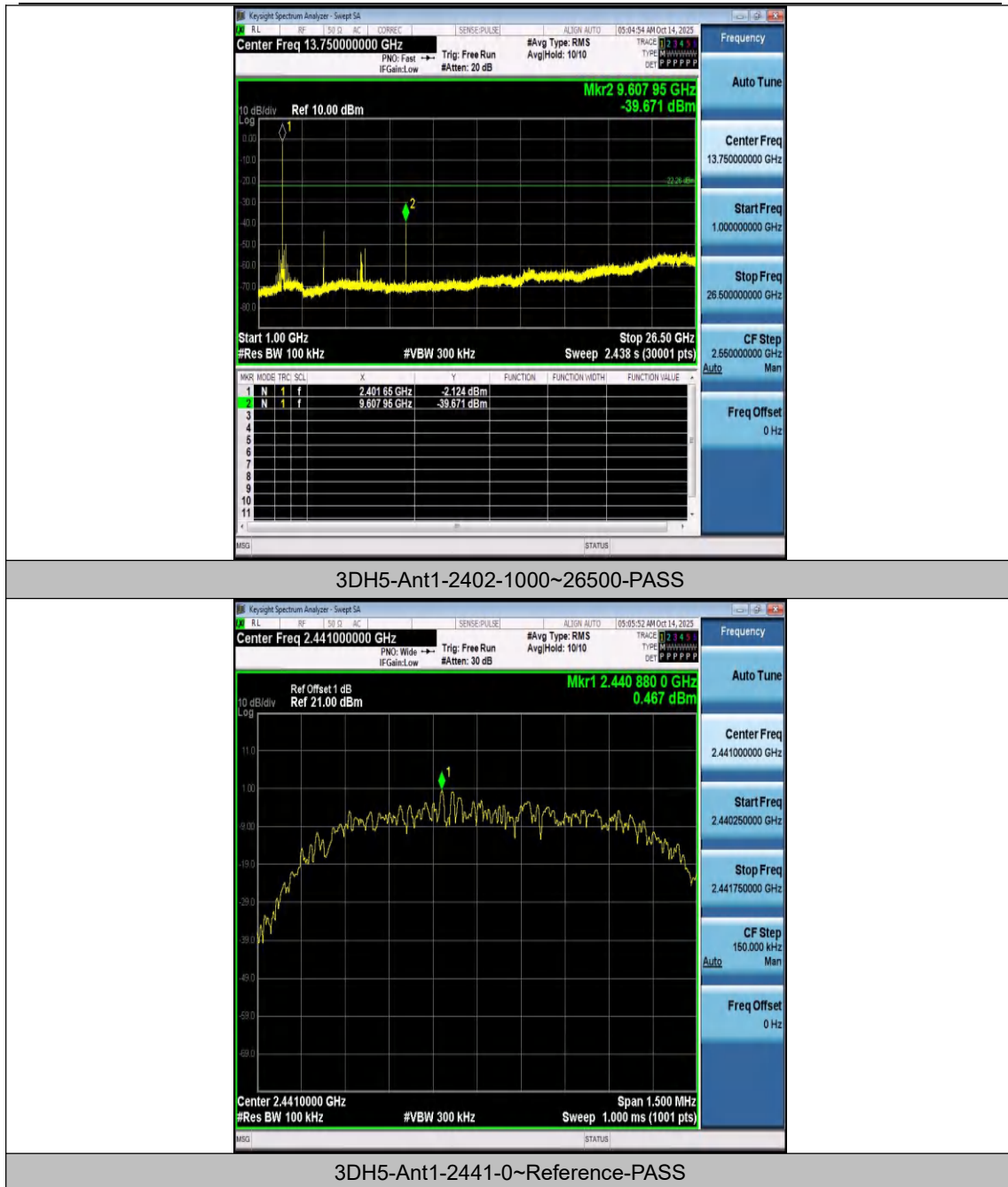
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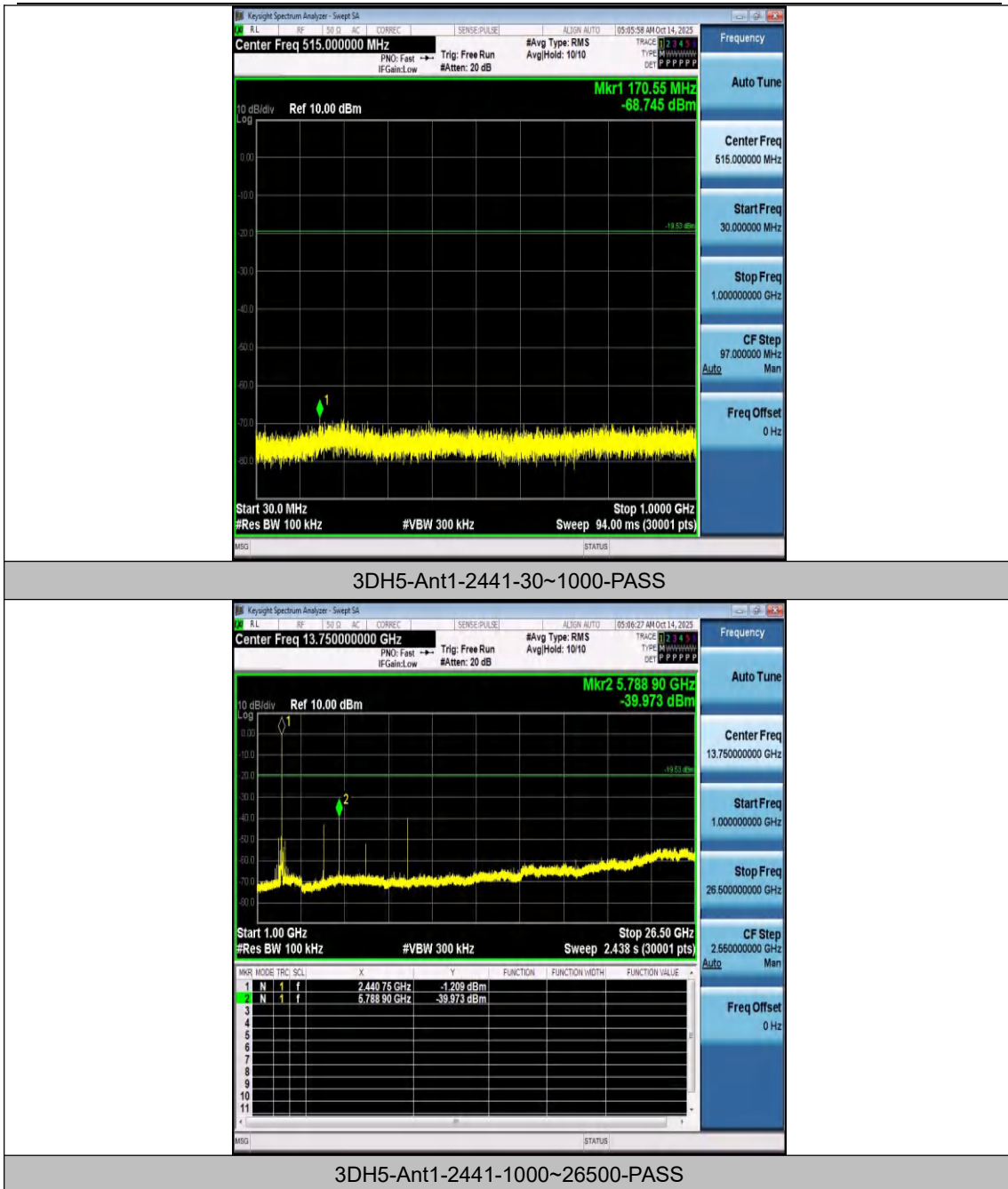
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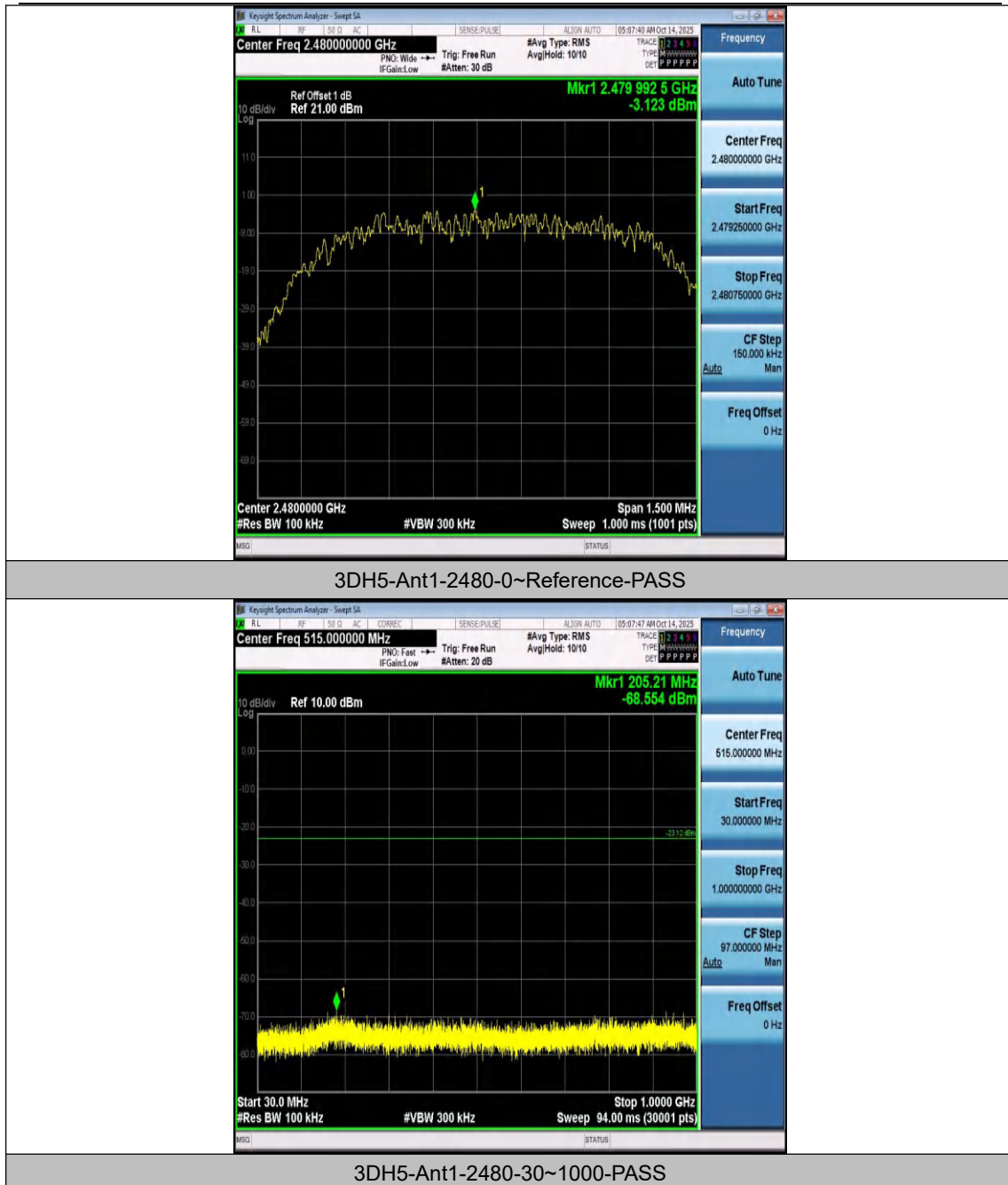
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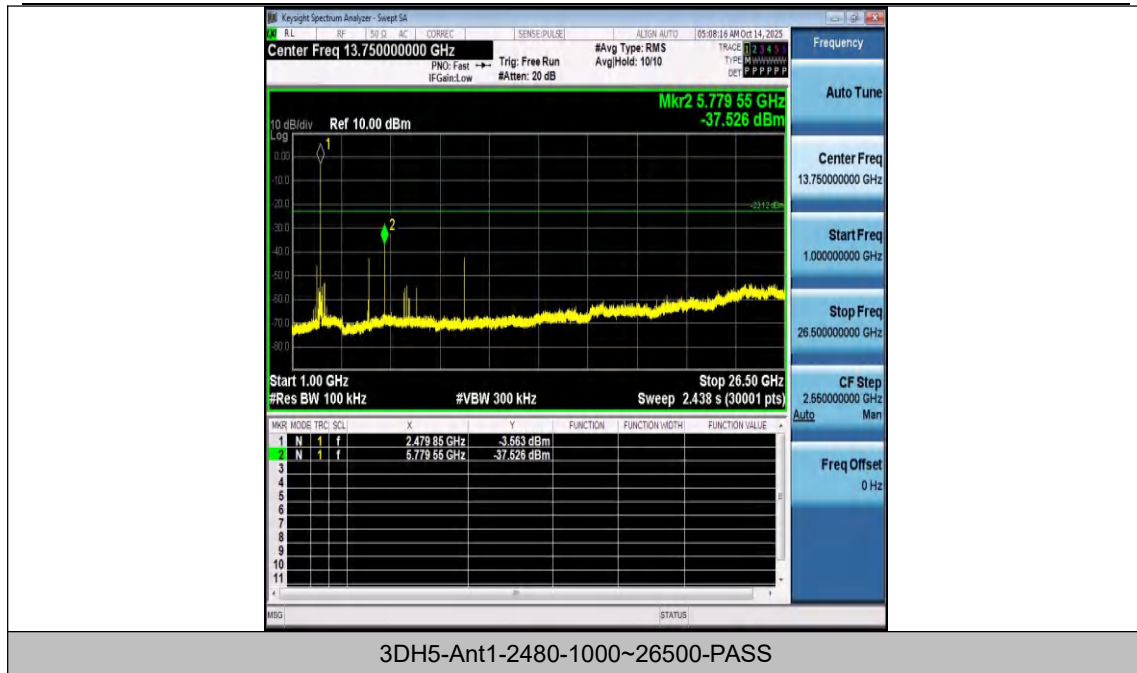
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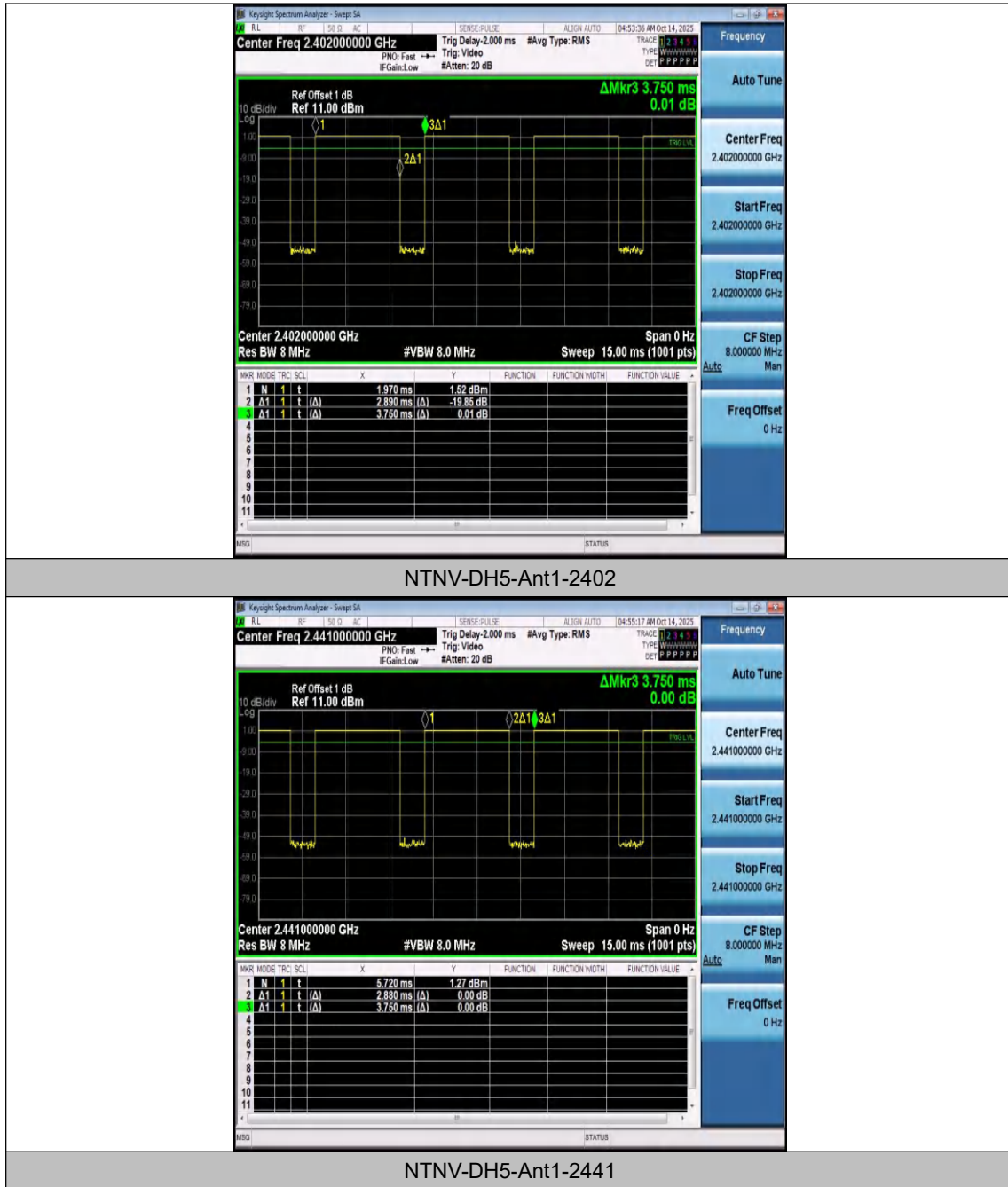
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Appendix I: Duty Cycle

Test Result

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

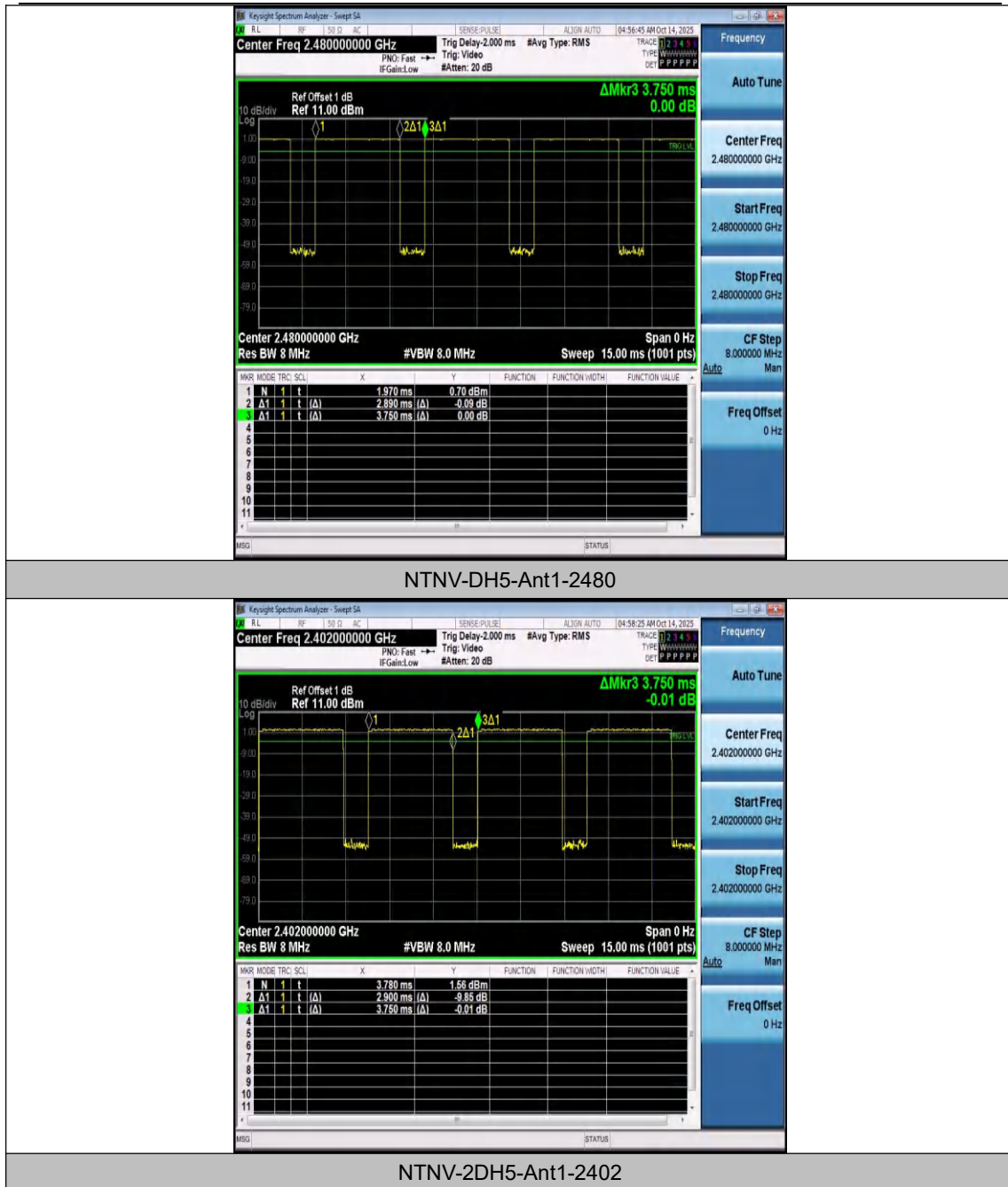
Test Graphs



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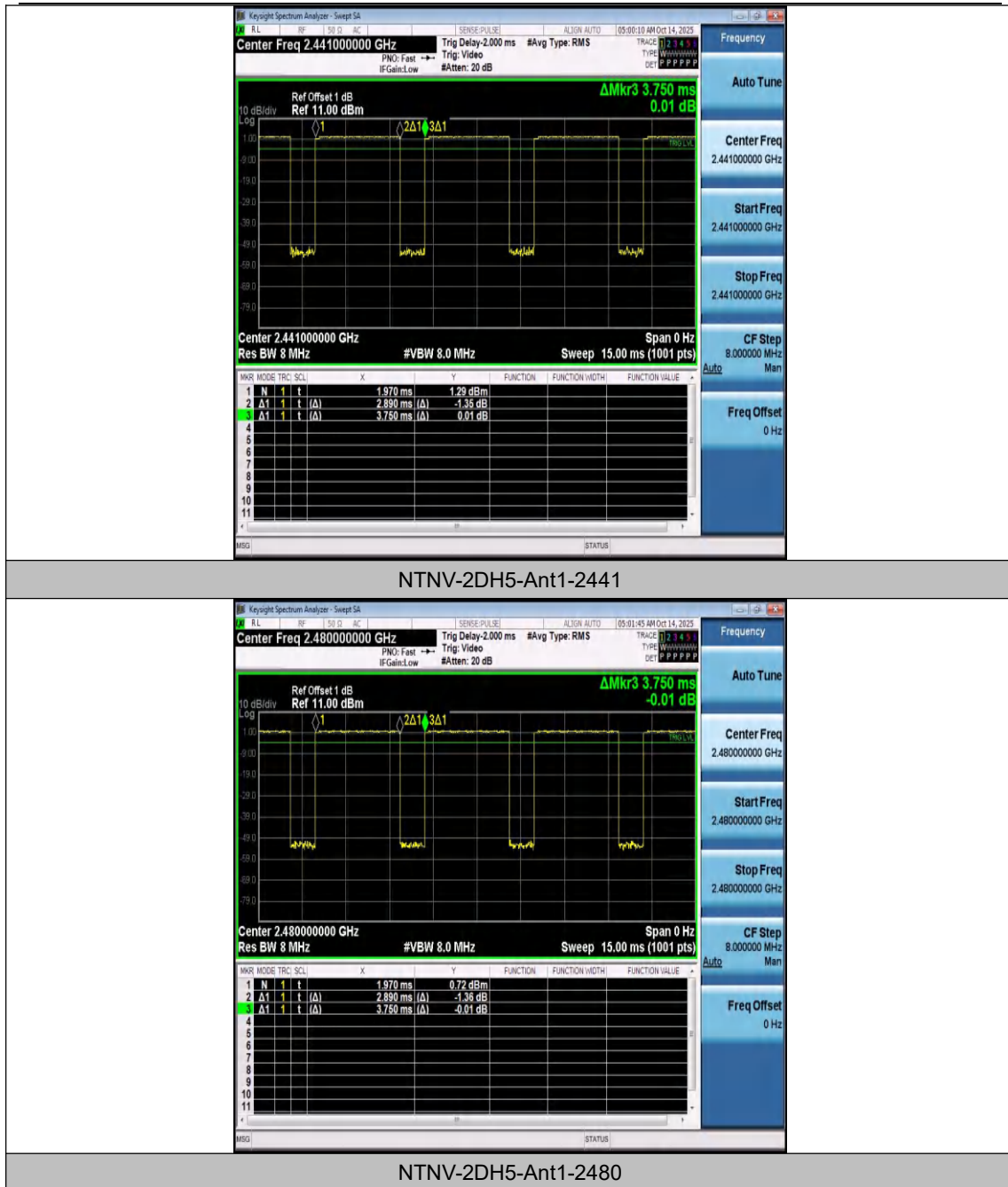
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