

Appendix Test Data

Report No.:	1812C50568112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-31	Finish Test Date:	2025-10-31
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.9°C	Relative Humidity:	51%
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	1.032	2401.484	2402.516	---	---
DH5	Ant1	2441	1.035	2440.490	2441.525	---	---
DH5	Ant1	2480	1.032	2479.493	2480.525	---	---
2DH5	Ant1	2402	1.302	2401.367	2402.669	---	---
2DH5	Ant1	2441	1.335	2440.340	2441.675	---	---
2DH5	Ant1	2480	1.326	2479.343	2480.669	---	---
3DH5	Ant1	2402	1.305	2401.358	2402.663	---	---
3DH5	Ant1	2441	1.290	2440.364	2441.654	---	---
3DH5	Ant1	2480	1.341	2479.331	2480.672	---	---

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	0.92504	2401.5403	2402.4653	---	---
DH5	Ant1	2441	0.94285	2440.5332	2441.4761	---	---
DH5	Ant1	2480	0.94177	2479.5305	2480.4722	---	---
2DH5	Ant1	2402	1.2126	2401.4060	2402.6186	---	---
2DH5	Ant1	2441	1.2157	2440.4017	2441.6174	---	---
2DH5	Ant1	2480	1.2087	2479.4075	2480.6162	---	---
3DH5	Ant1	2402	1.2063	2401.4006	2402.6069	---	---
3DH5	Ant1	2441	1.2108	2440.3979	2441.6087	---	---
3DH5	Ant1	2480	1.2170	2479.3964	2480.6134	---	---

Test Graphs



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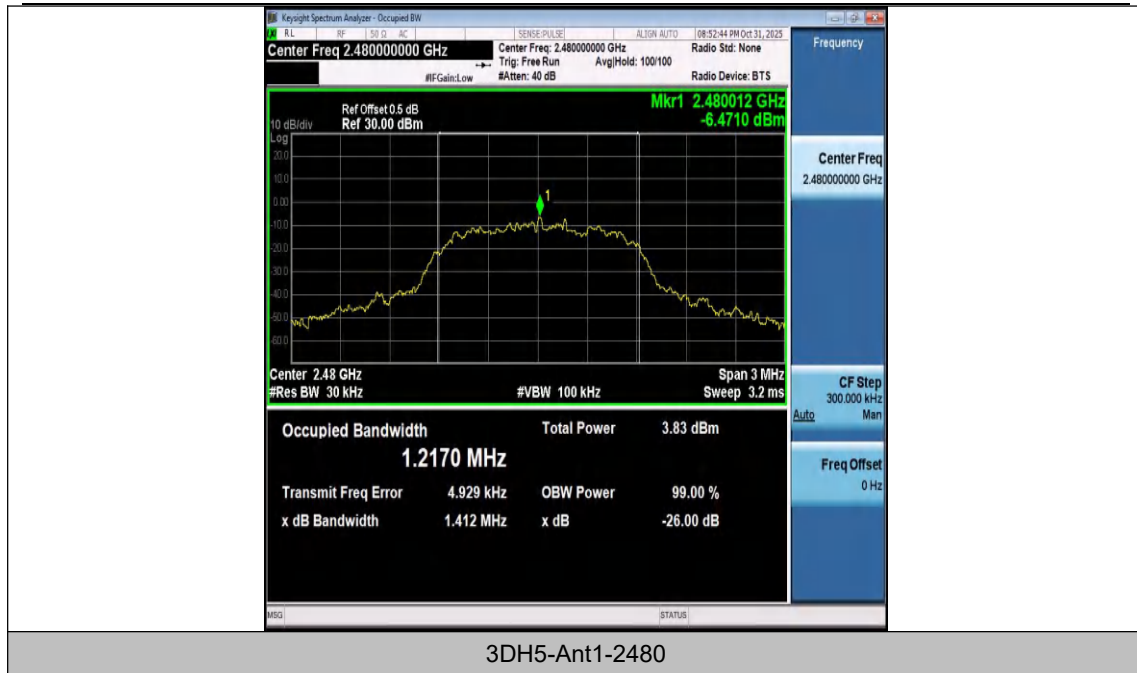




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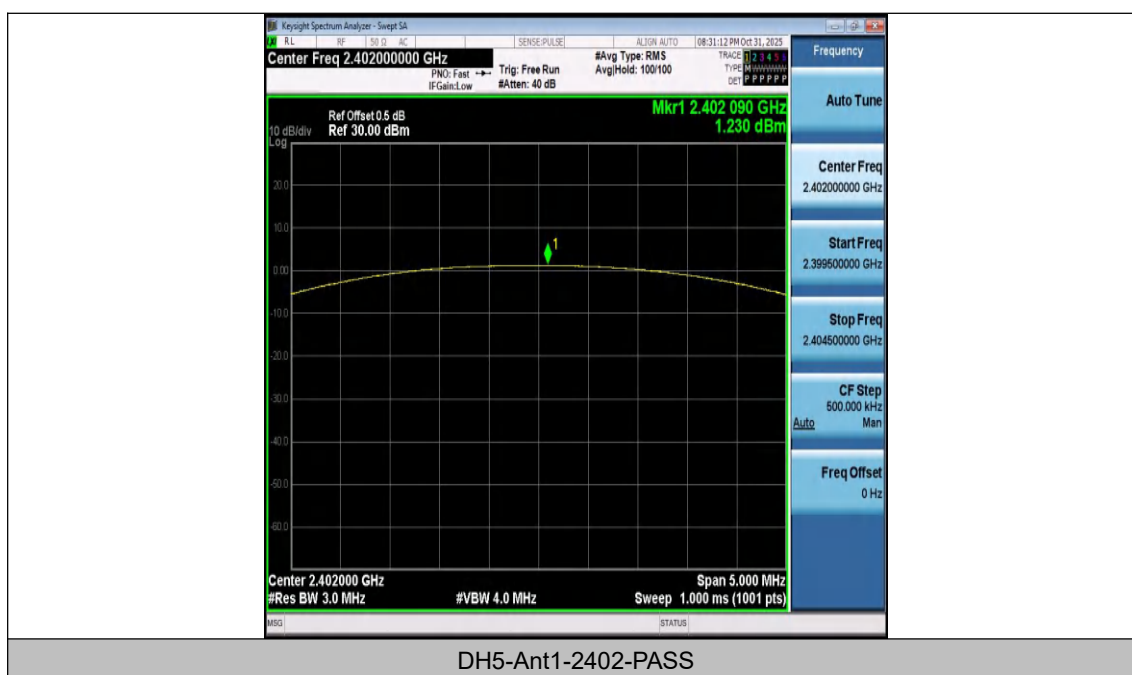
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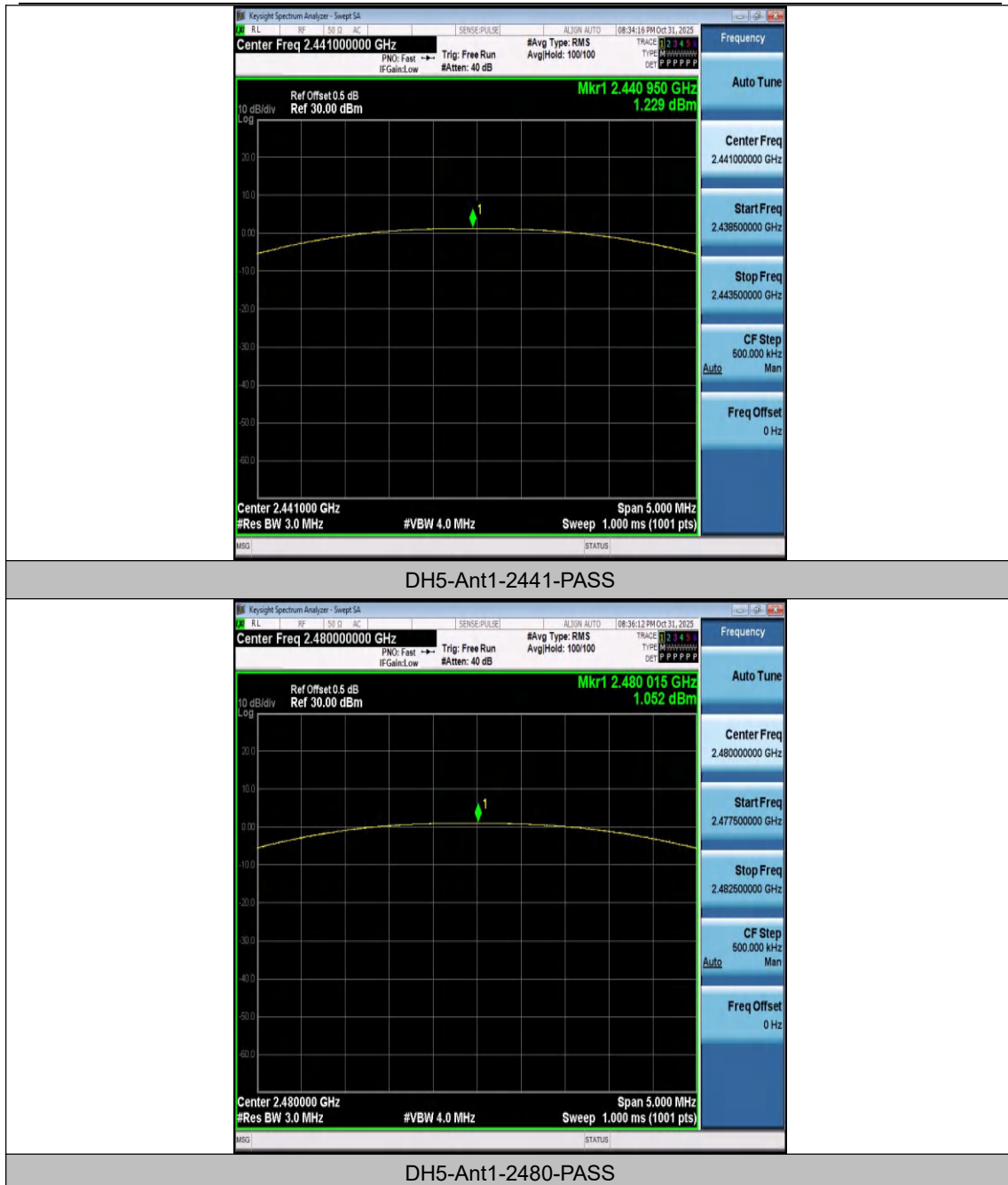
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.23	≤20.97	PASS
DH5	Ant1	2441	1.23	≤20.97	PASS
DH5	Ant1	2480	1.05	≤20.97	PASS
2DH5	Ant1	2402	-0.64	≤20.97	PASS
2DH5	Ant1	2441	-0.61	≤20.97	PASS
2DH5	Ant1	2480	-0.83	≤20.97	PASS
3DH5	Ant1	2402	-0.23	≤20.97	PASS
3DH5	Ant1	2441	-0.25	≤20.97	PASS
3DH5	Ant1	2480	-0.32	≤20.97	PASS

Test Graphs

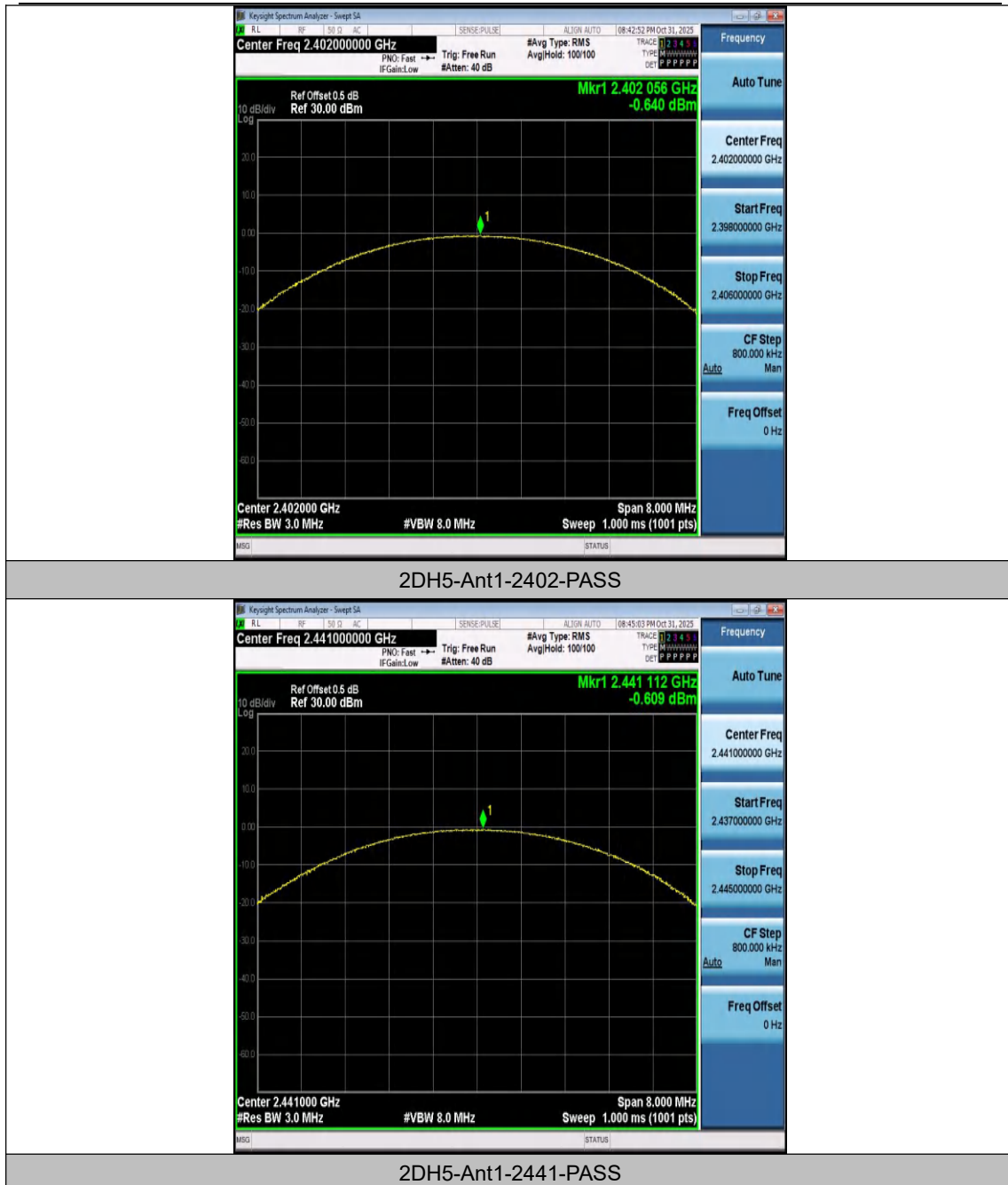




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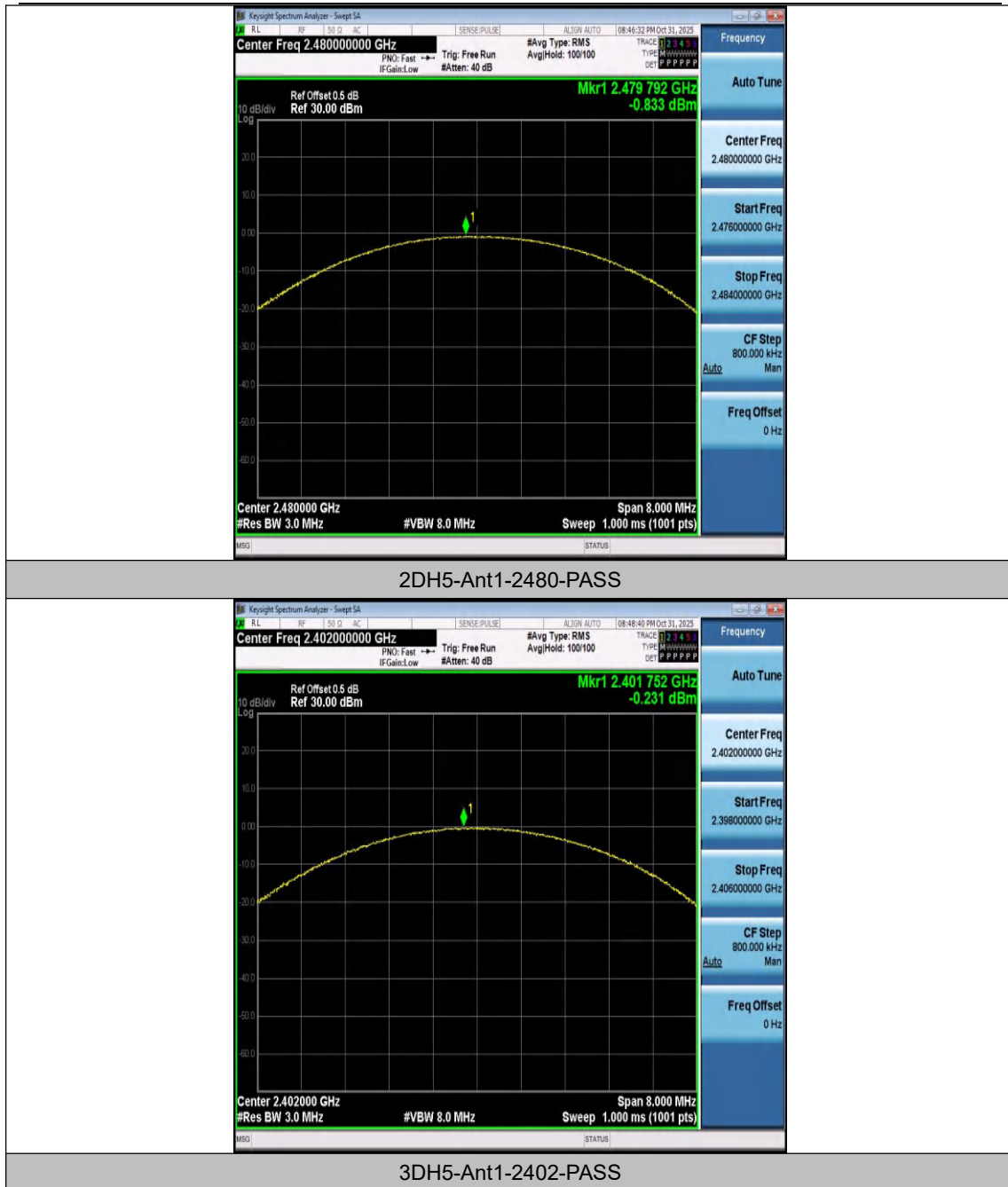
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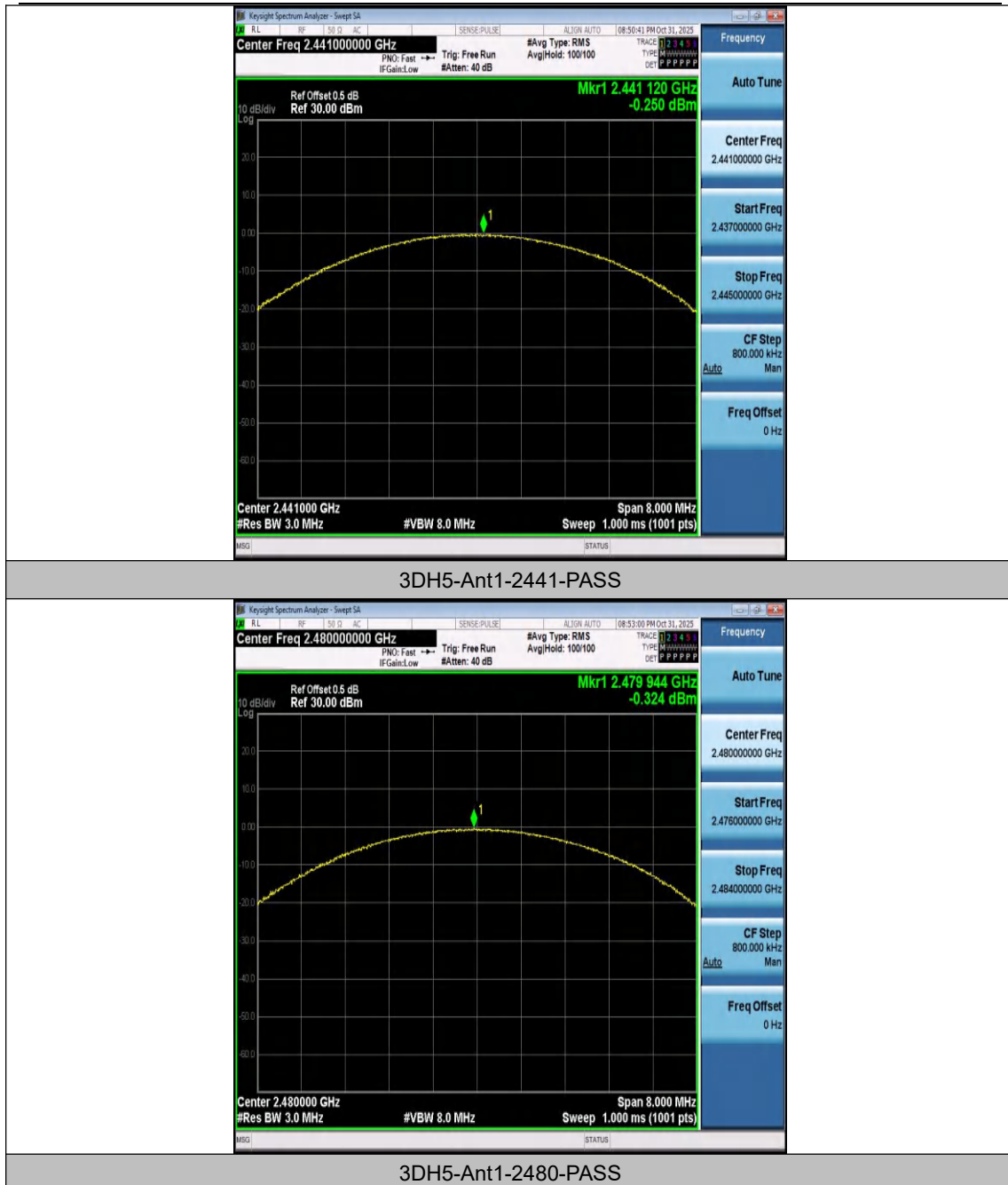
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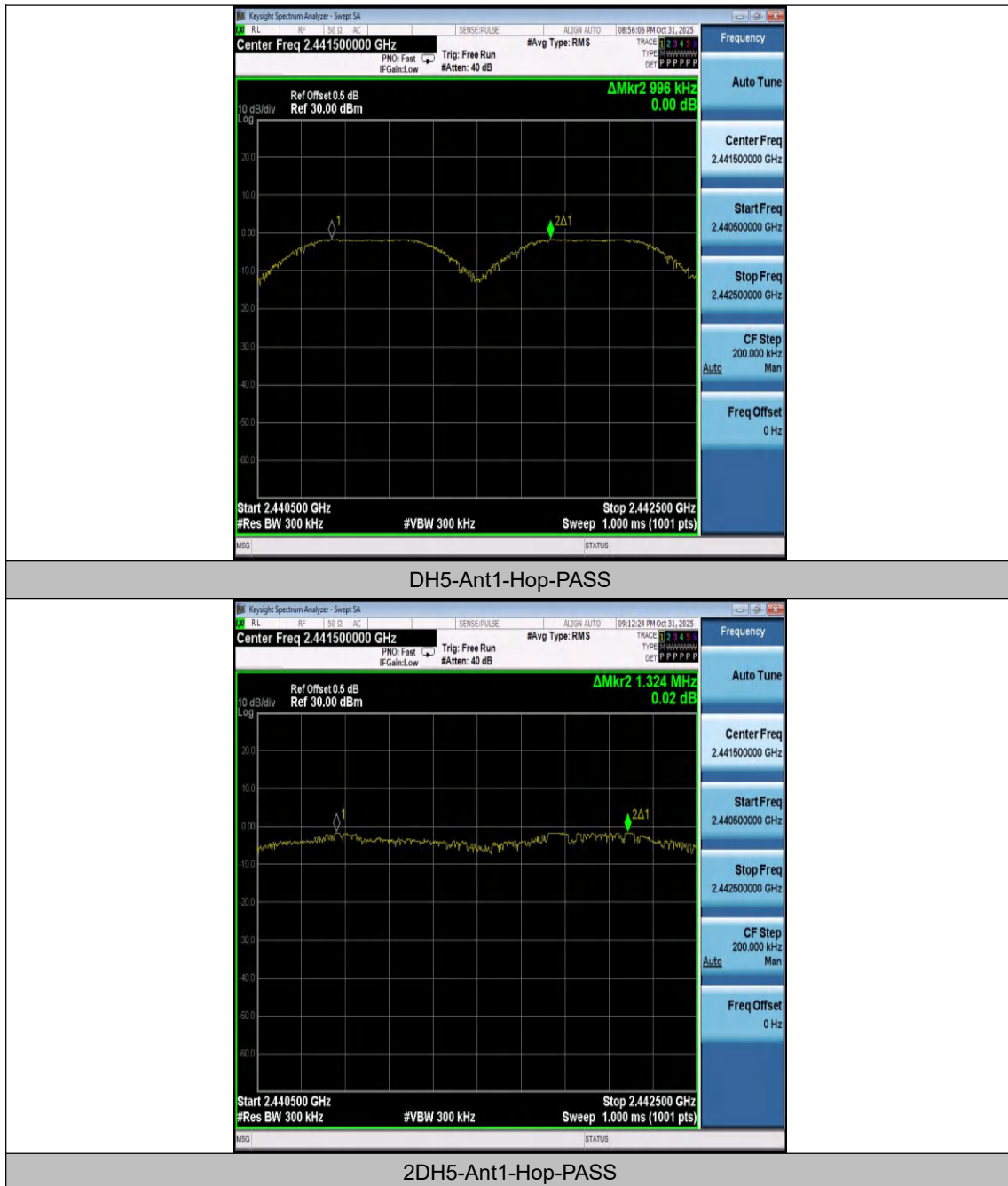
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.690	PASS
2DH5	Ant1	Hop	1.324	≥ 0.890	PASS
3DH5	Ant1	Hop	0.904	≥ 0.894	PASS

Test Graphs



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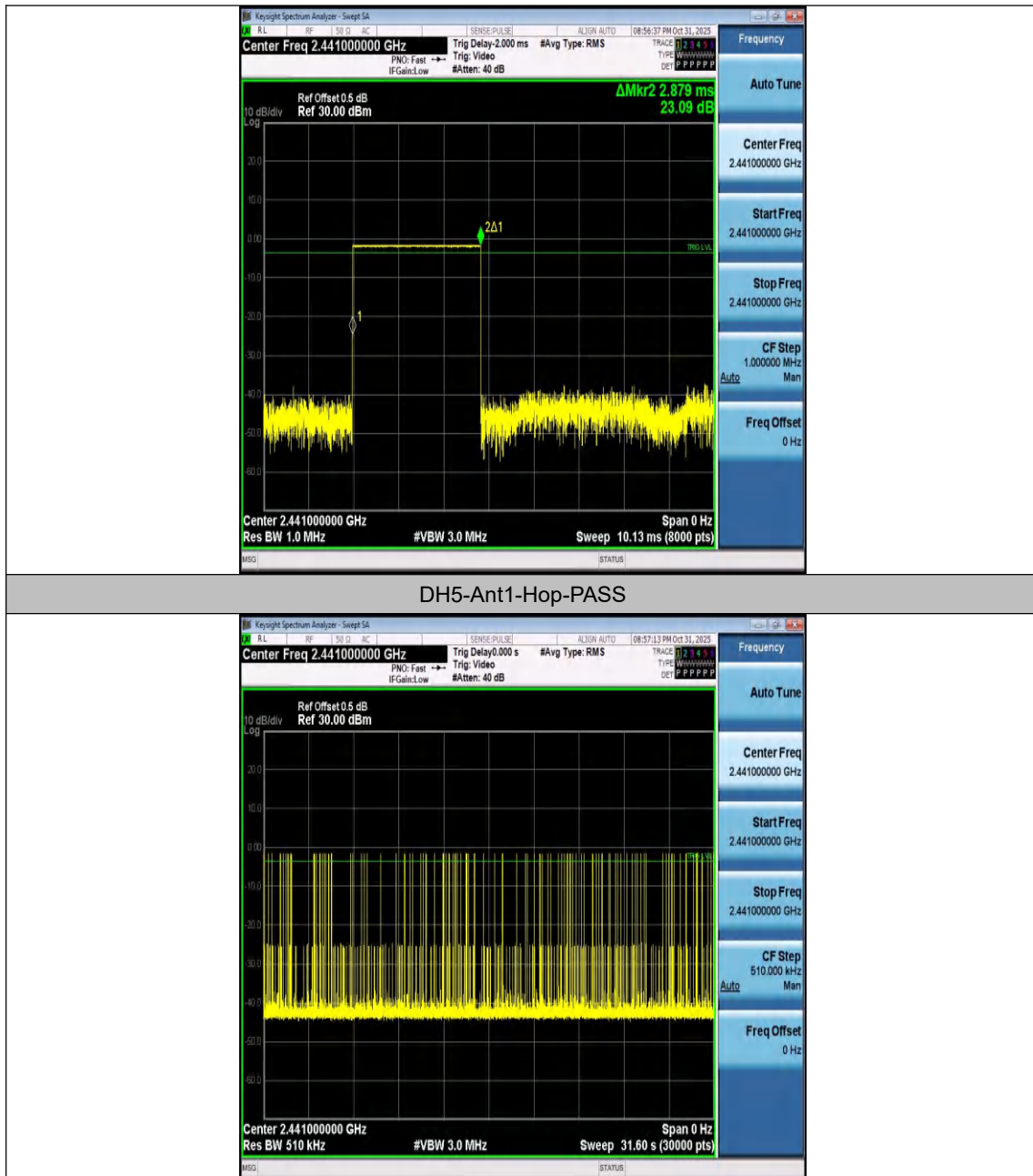
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	103	0.297	≤0.4	PASS
2DH5	Ant1	Hop	2.884	101	0.291	≤0.4	PASS
3DH5	Ant1	Hop	2.887	110	0.318	≤0.4	PASS

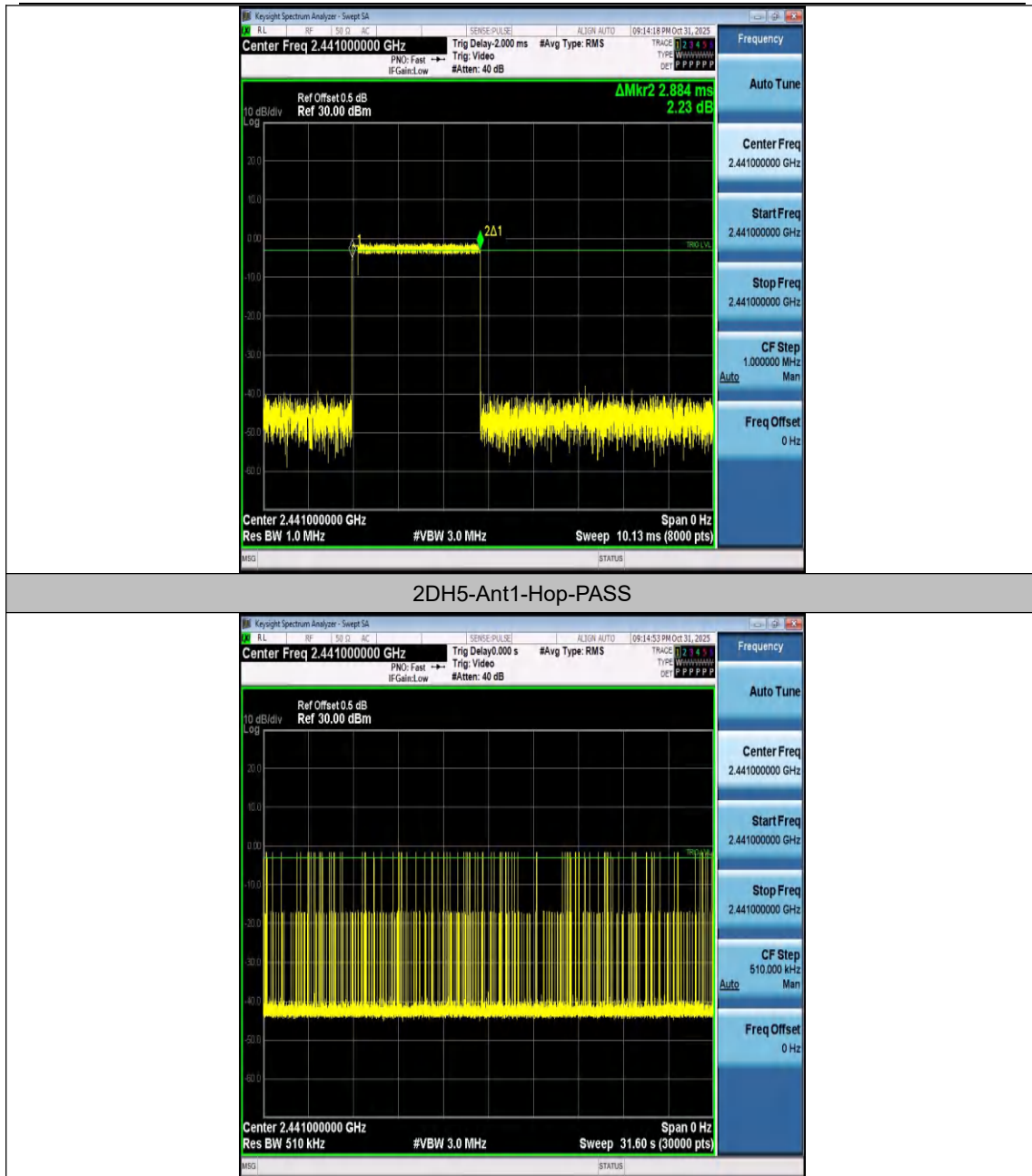
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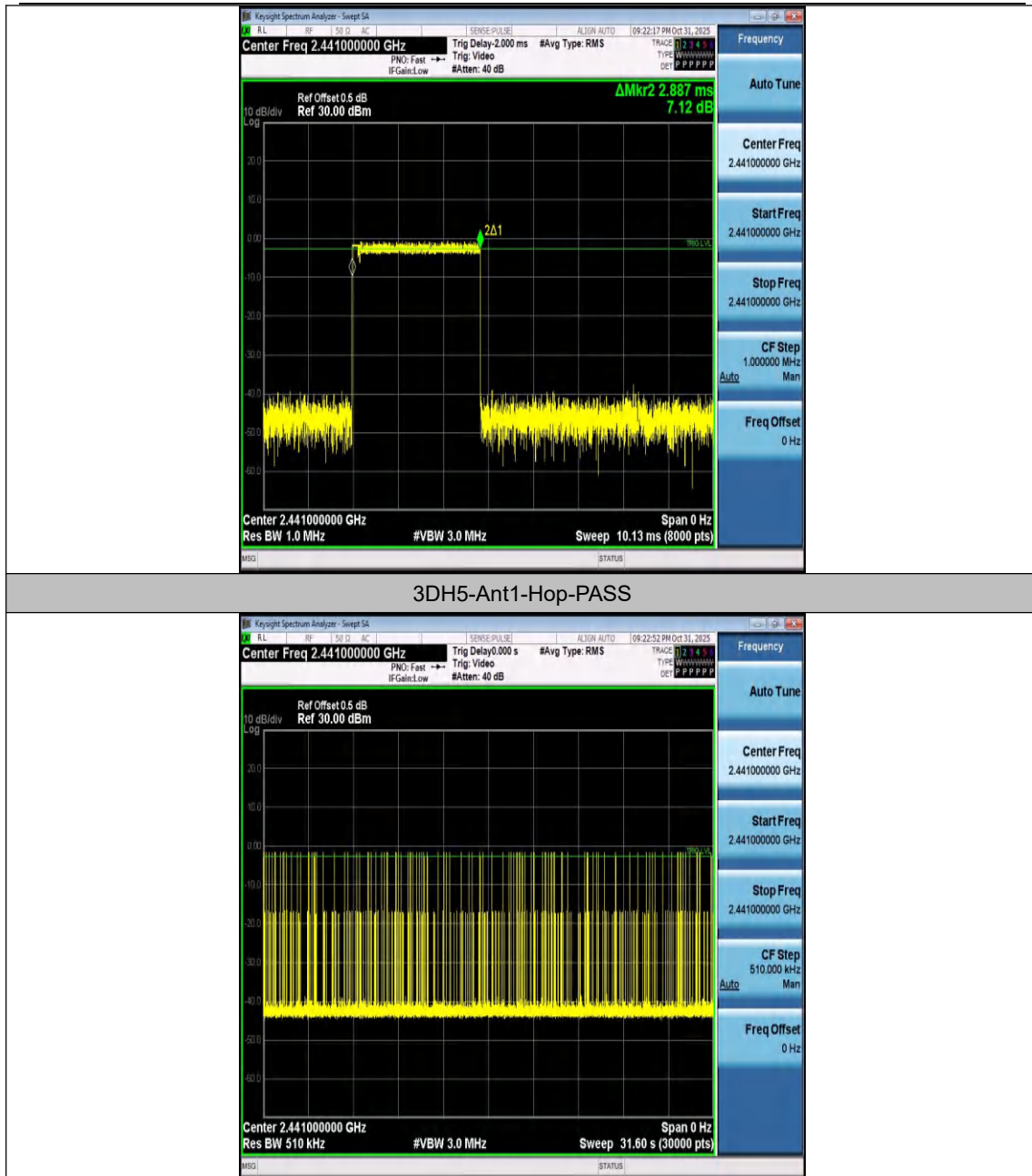
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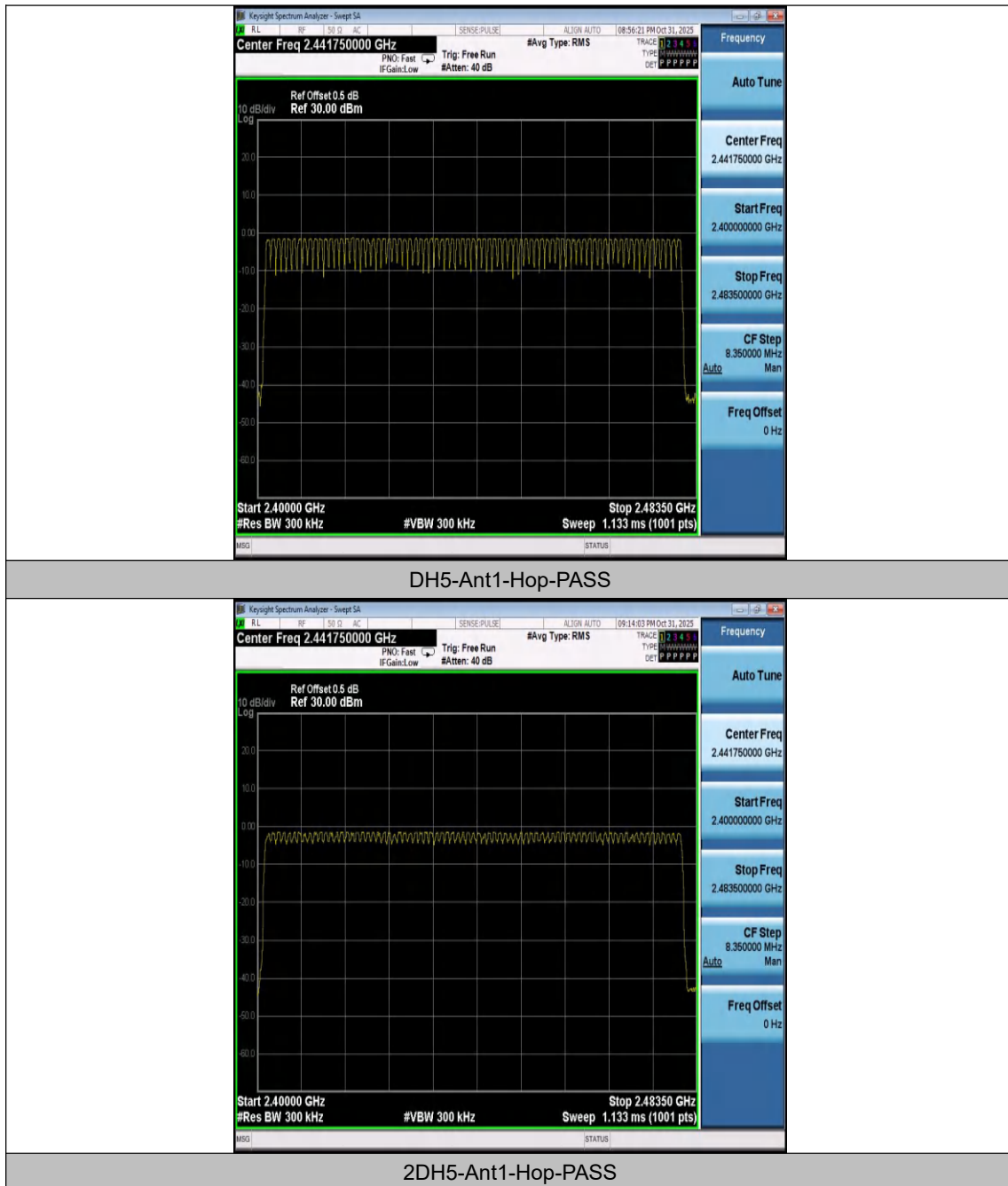
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Appendix F: Number of Hopping Channel

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

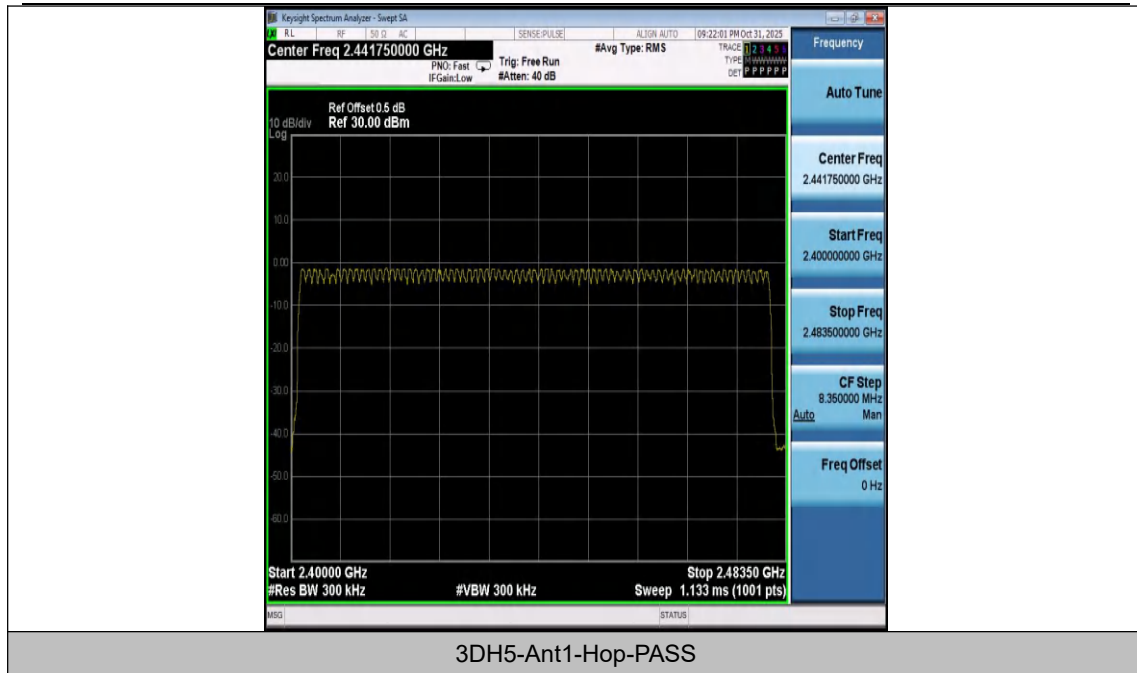
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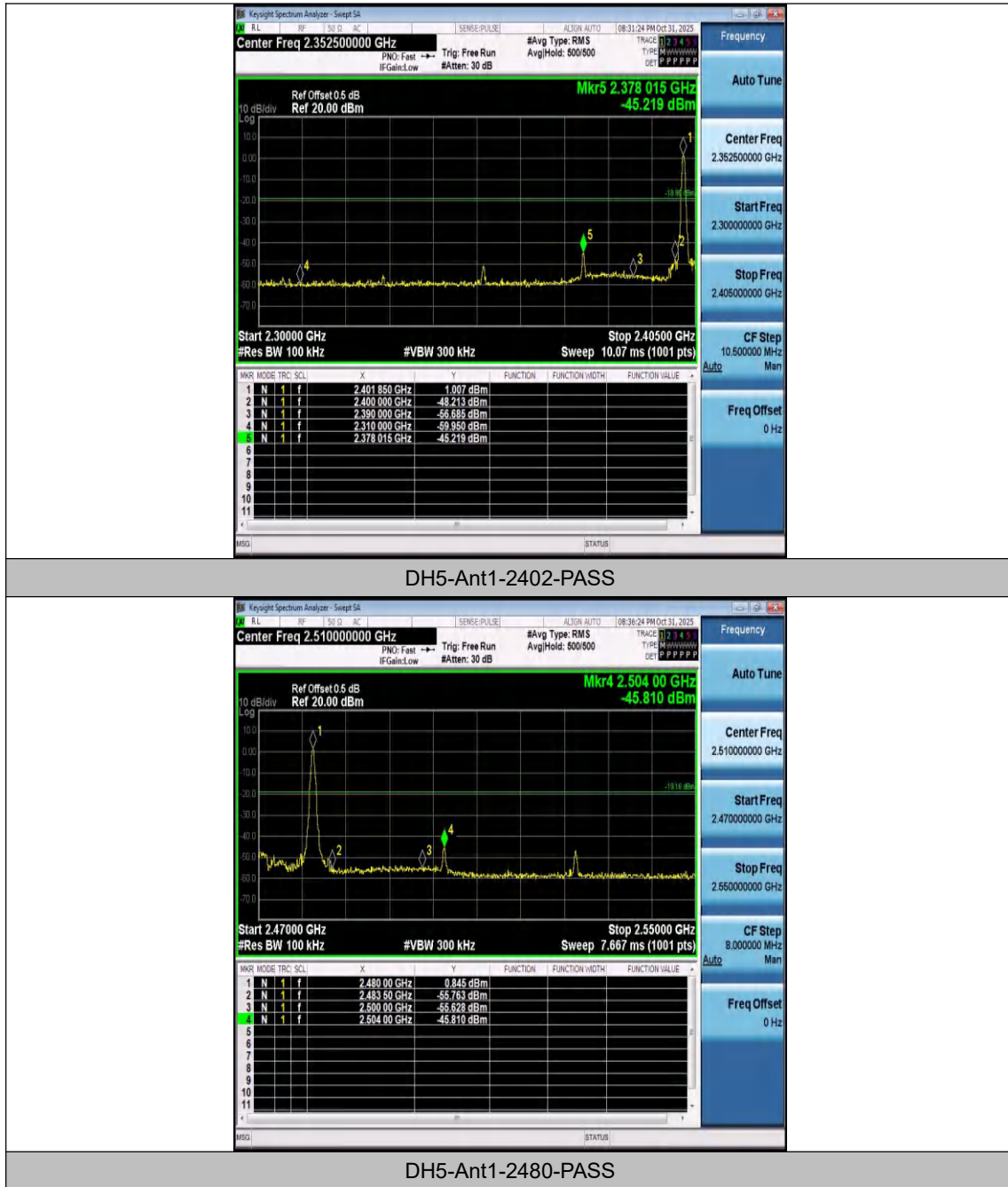
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.01	-45.22	≤-18.99	PASS
DH5	Ant1	High	2480	0.85	-45.81	≤-19.16	PASS
DH5	Ant1	Low	Hop_2402	-2.21	-47.29	≤-22.21	PASS
DH5	Ant1	High	Hop_2480	-2.01	-48.7	≤-22.01	PASS
2DH5	Ant1	Low	2402	-1.69	-48.23	≤-21.69	PASS
2DH5	Ant1	High	2480	-1.90	-49.26	≤-21.9	PASS
2DH5	Ant1	Low	Hop_2402	-5.65	-48.14	≤-25.65	PASS
2DH5	Ant1	High	Hop_2480	-1.89	-49.25	≤-21.89	PASS
3DH5	Ant1	Low	2402	-1.99	-48.43	≤-21.99	PASS
3DH5	Ant1	High	2480	-1.95	-49.14	≤-21.95	PASS
3DH5	Ant1	Low	Hop_2402	-1.82	-47.7	≤-21.82	PASS
3DH5	Ant1	High	Hop_2480	-1.77	-49.12	≤-21.77	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.

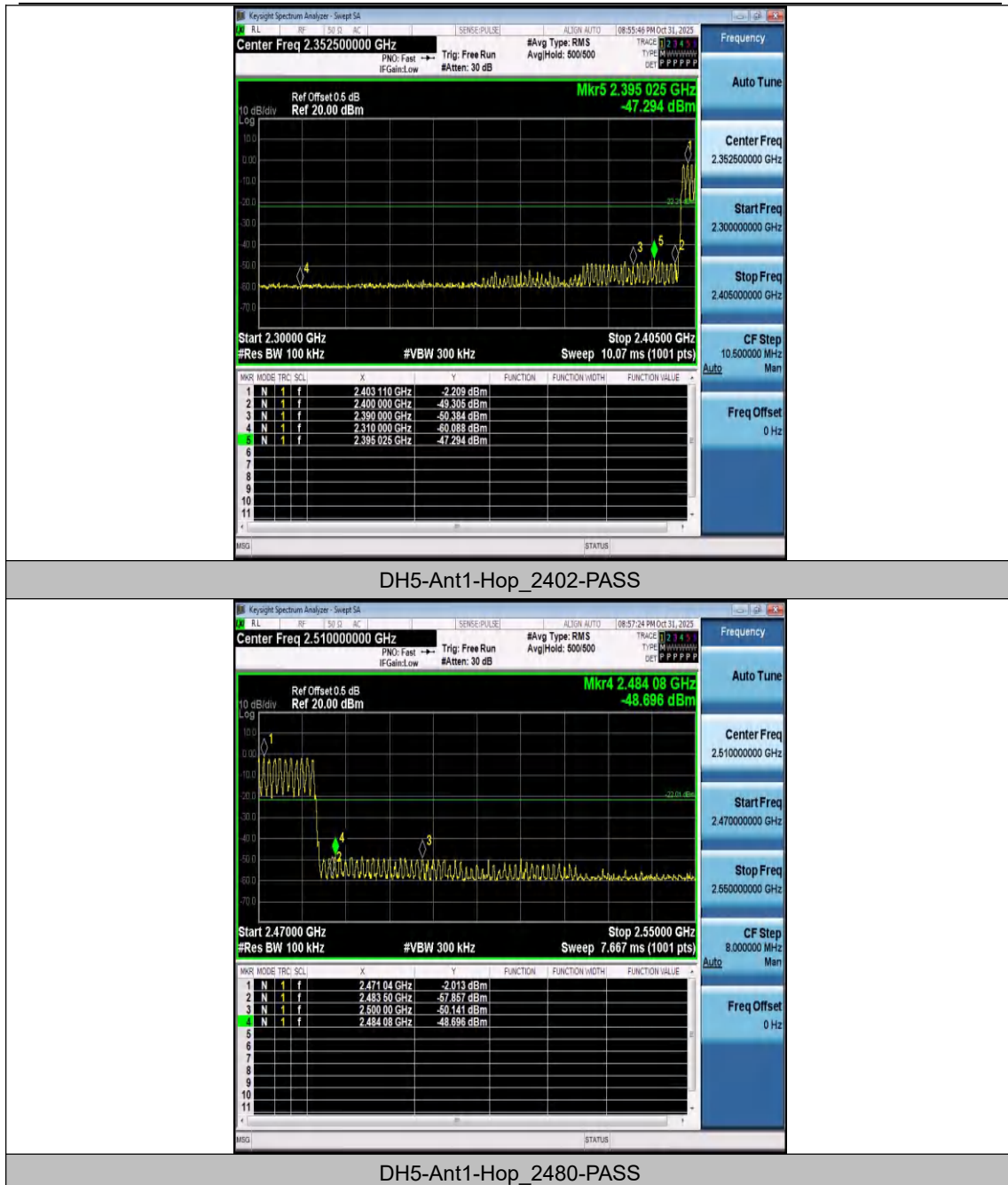
Test Graphs

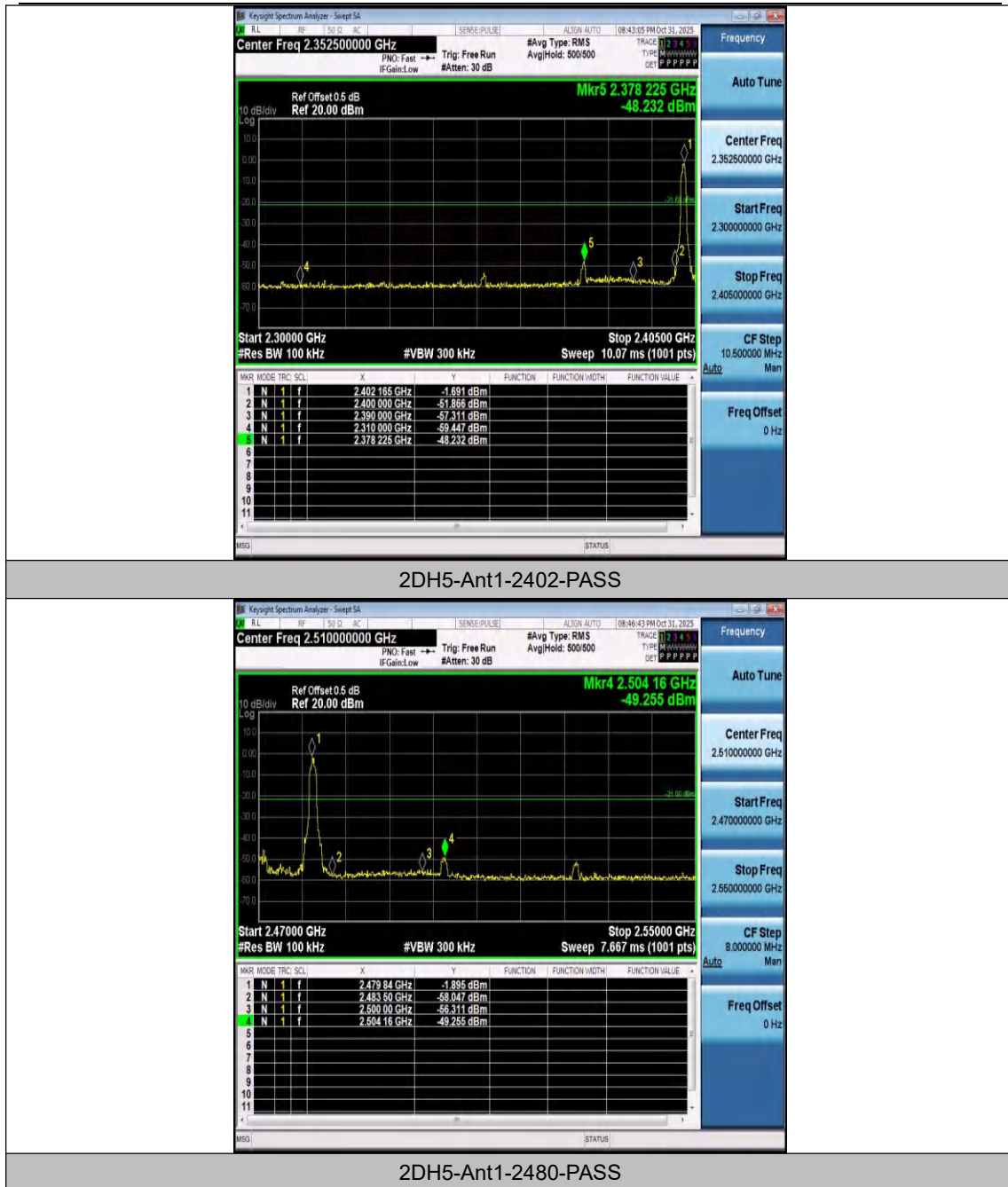


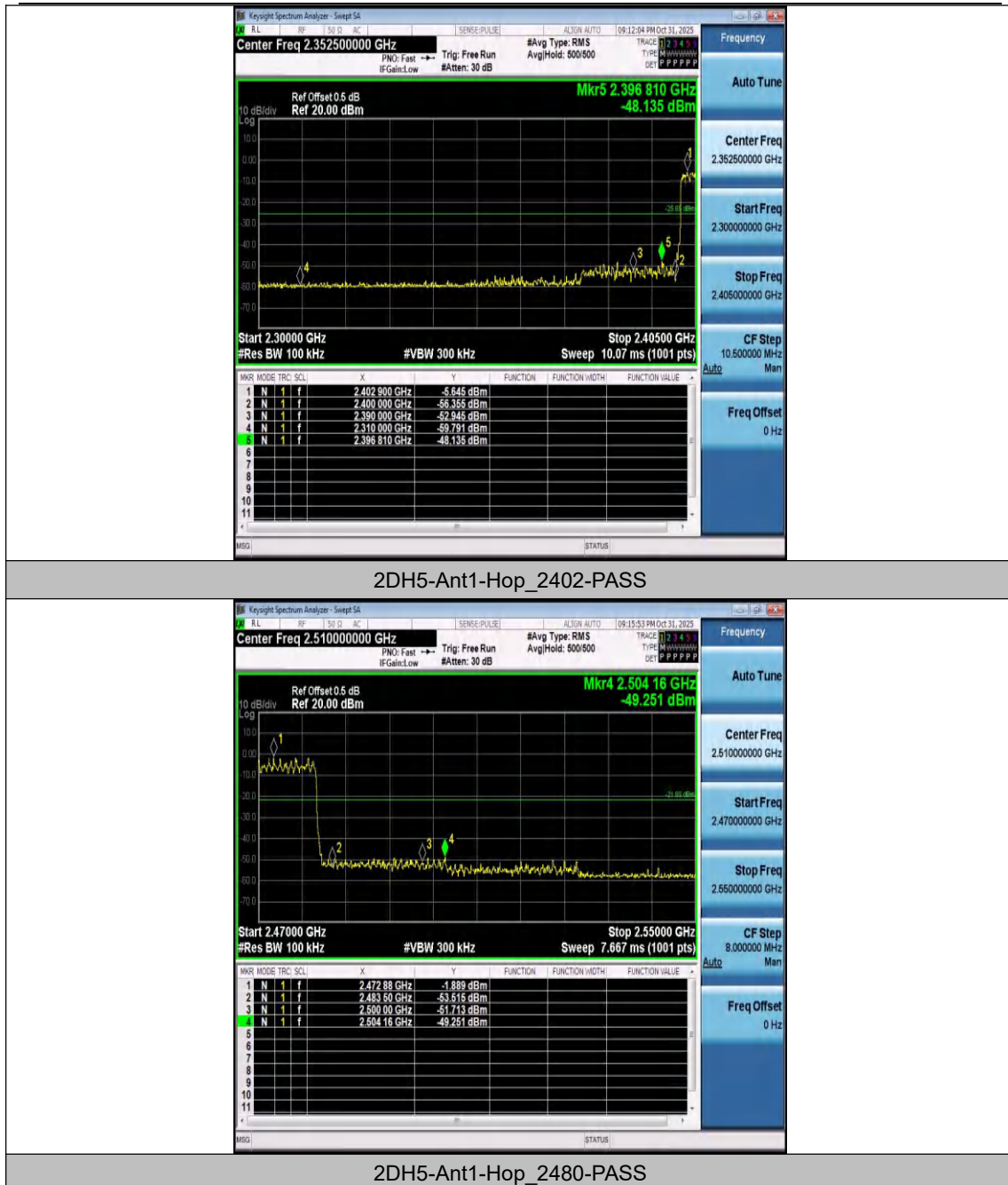
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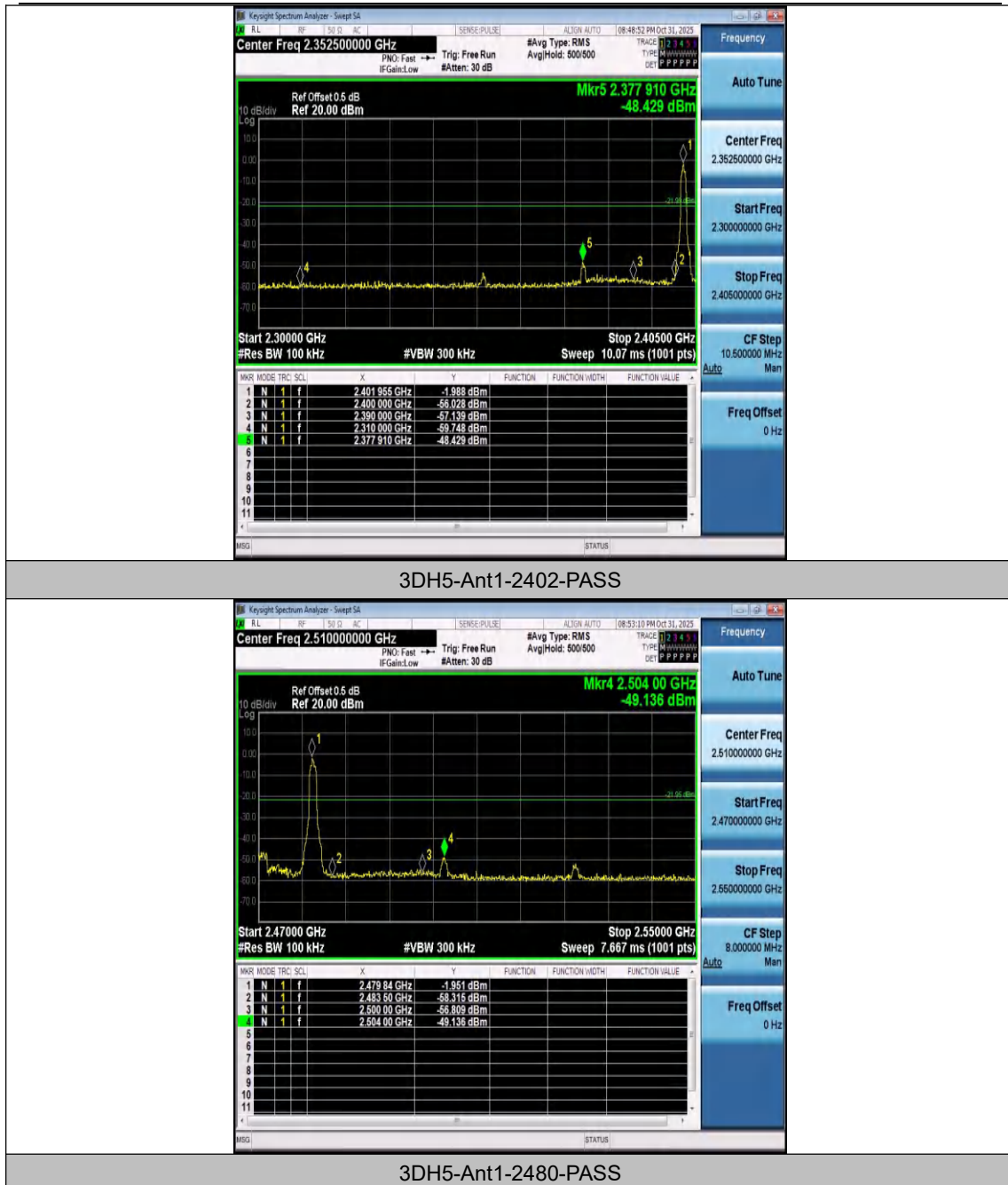
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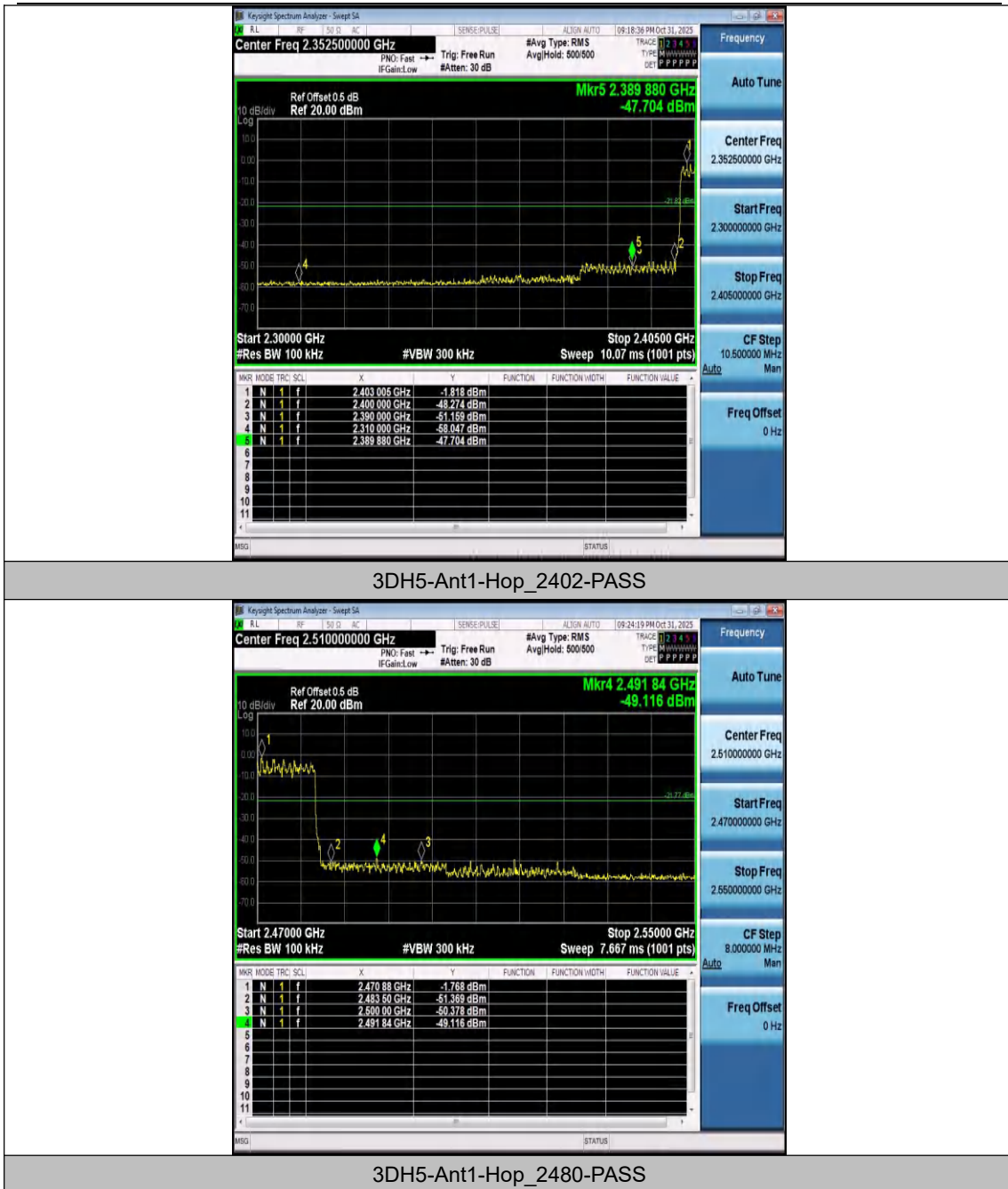
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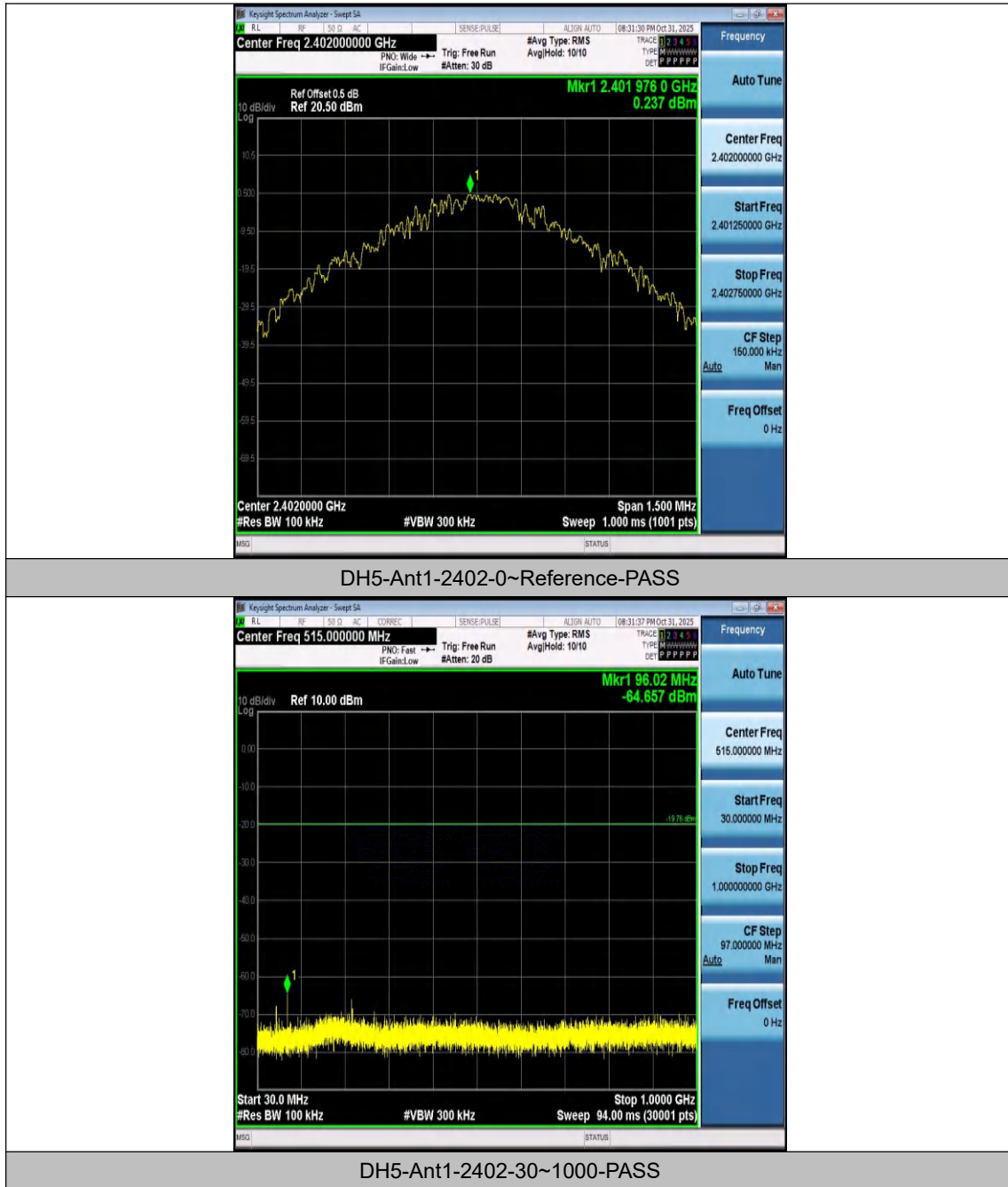
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.24	0.24	---	PASS
DH5	Ant1	2402	30~1000	0.24	-64.66	≤-19.76	PASS
DH5	Ant1	2402	1000~26500	0.24	-43.95	≤-19.76	PASS
DH5	Ant1	2441	0~Reference	0.22	0.22	---	PASS
DH5	Ant1	2441	30~1000	0.22	-65.21	≤-19.78	PASS
DH5	Ant1	2441	1000~26500	0.22	-41.8	≤-19.78	PASS
DH5	Ant1	2480	0~Reference	0.34	0.34	---	PASS
DH5	Ant1	2480	30~1000	0.34	-65.83	≤-19.66	PASS
DH5	Ant1	2480	1000~26500	0.34	-39.9	≤-19.66	PASS
2DH5	Ant1	2402	0~Reference	-1.88	-1.88	---	PASS
2DH5	Ant1	2402	30~1000	-1.88	-65.41	≤-21.88	PASS
2DH5	Ant1	2402	1000~26500	-1.88	-45.07	≤-21.88	PASS
2DH5	Ant1	2441	0~Reference	-5.61	-5.61	---	PASS
2DH5	Ant1	2441	30~1000	-5.61	-63.67	≤-25.61	PASS
2DH5	Ant1	2441	1000~26500	-5.61	-48.09	≤-25.61	PASS
2DH5	Ant1	2480	0~Reference	-5.57	-5.57	---	PASS
2DH5	Ant1	2480	30~1000	-5.57	-64.72	≤-25.57	PASS
2DH5	Ant1	2480	1000~26500	-5.57	-43.33	≤-25.57	PASS
3DH5	Ant1	2402	0~Reference	-2.81	-2.81	---	PASS
3DH5	Ant1	2402	30~1000	-2.81	-62.98	≤-22.81	PASS
3DH5	Ant1	2402	1000~26500	-2.81	-47.21	≤-22.81	PASS
3DH5	Ant1	2441	0~Reference	-5.49	-5.49	---	PASS
3DH5	Ant1	2441	30~1000	-5.49	-64.13	≤-25.49	PASS
3DH5	Ant1	2441	1000~26500	-5.49	-47.58	≤-25.49	PASS
3DH5	Ant1	2480	0~Reference	-3.44	-3.44	---	PASS
3DH5	Ant1	2480	30~1000	-3.44	-63.81	≤-23.44	PASS
3DH5	Ant1	2480	1000~26500	-3.44	-42.63	≤-23.44	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.

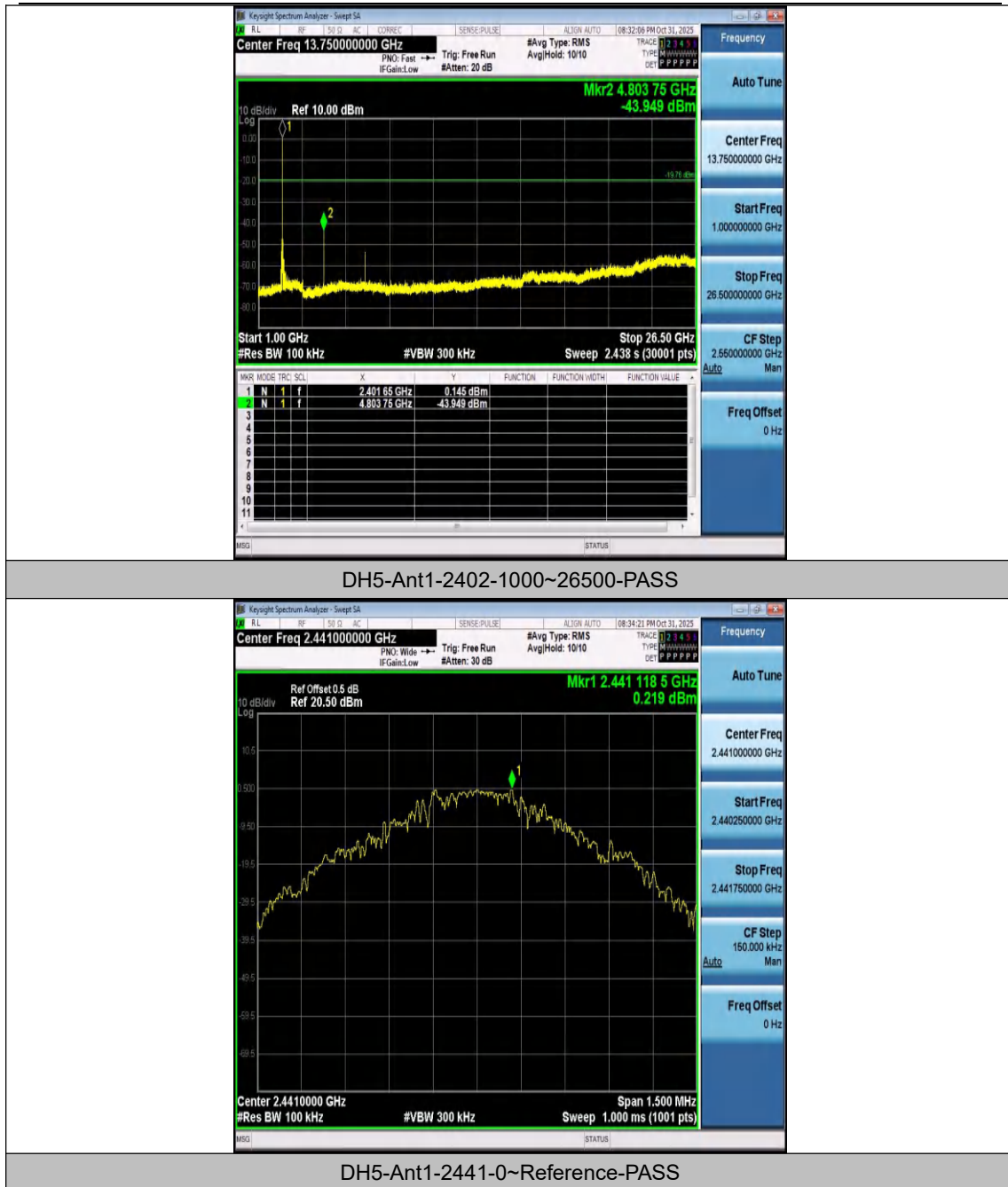
Test Graphs



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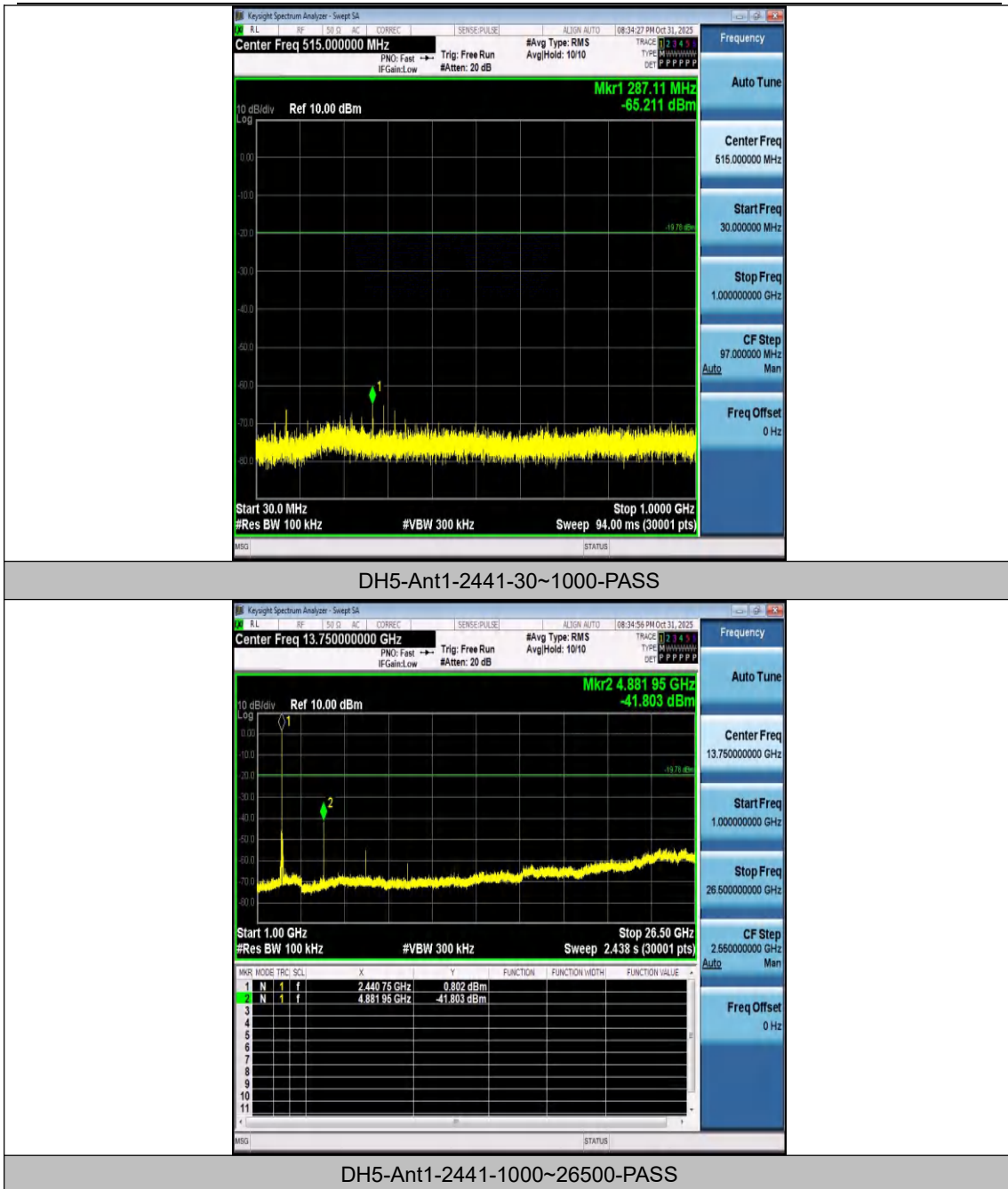
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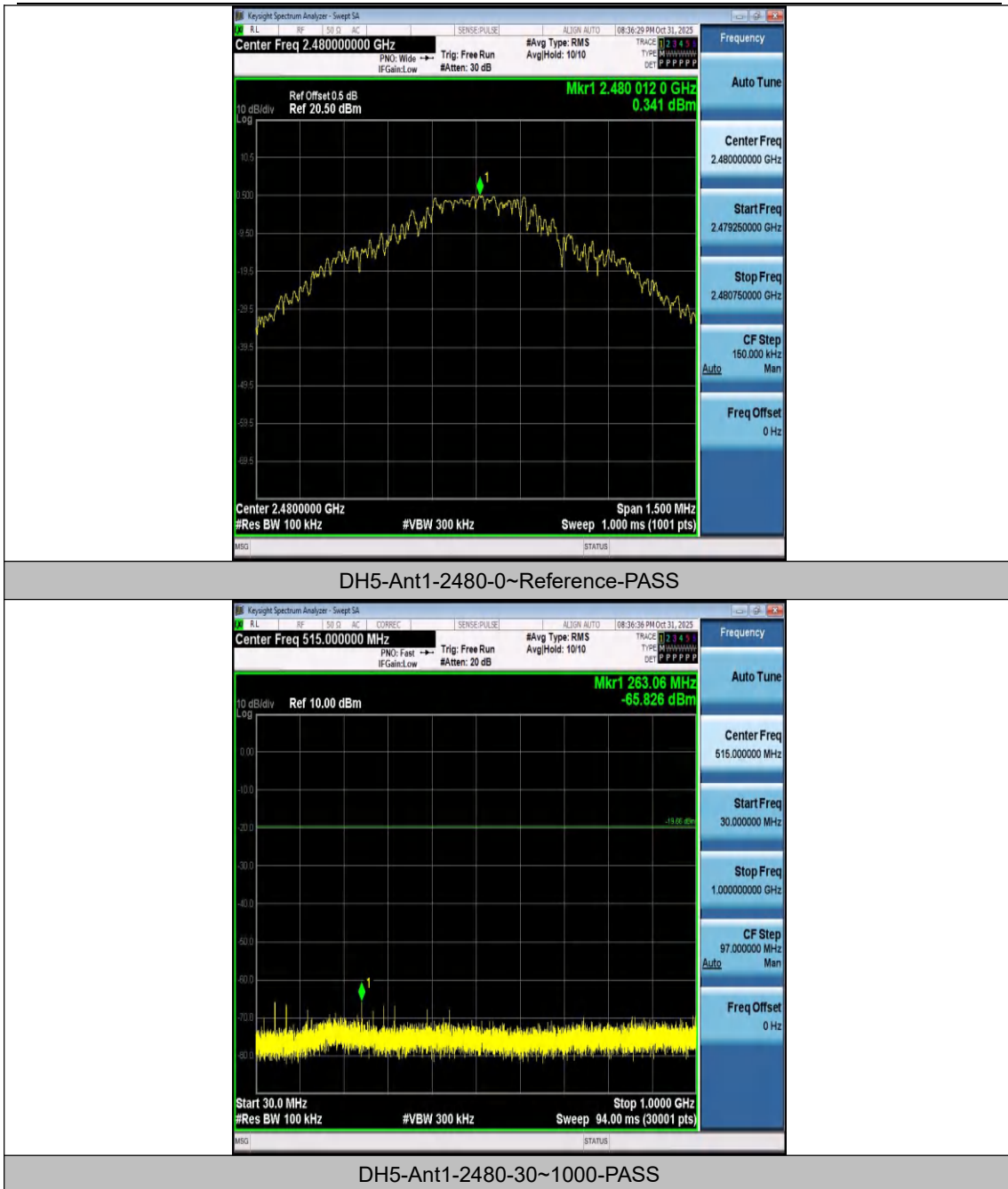
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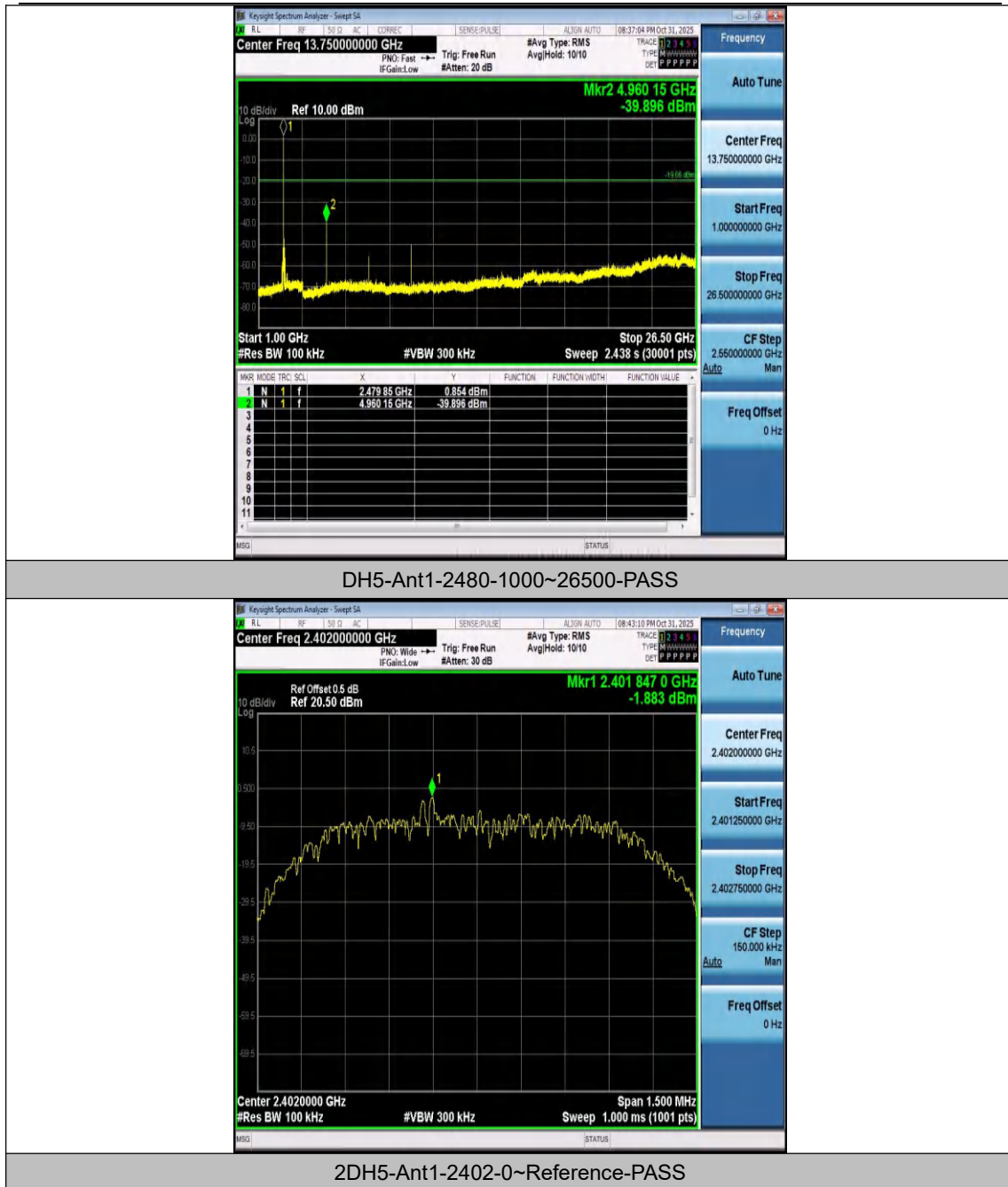
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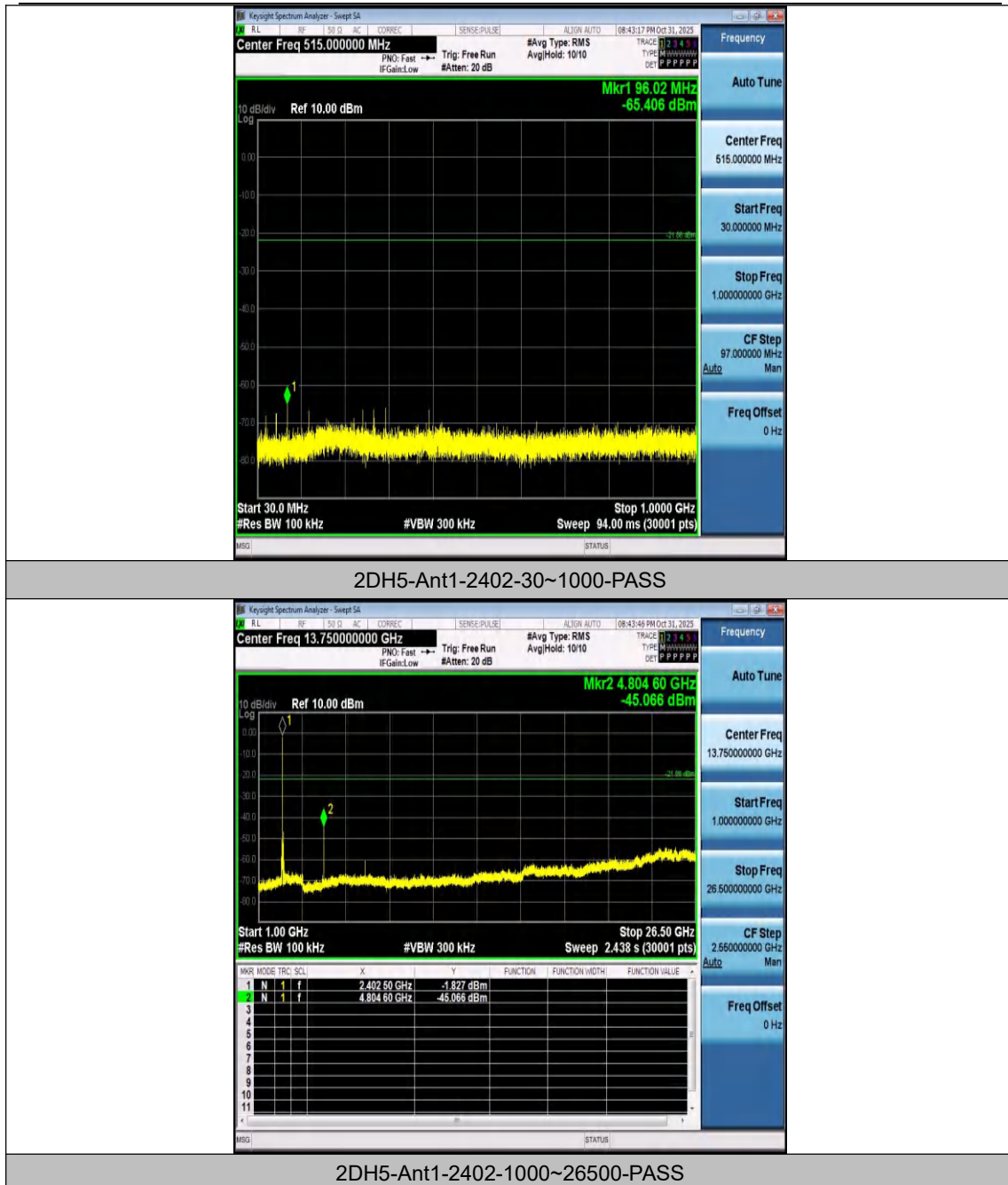
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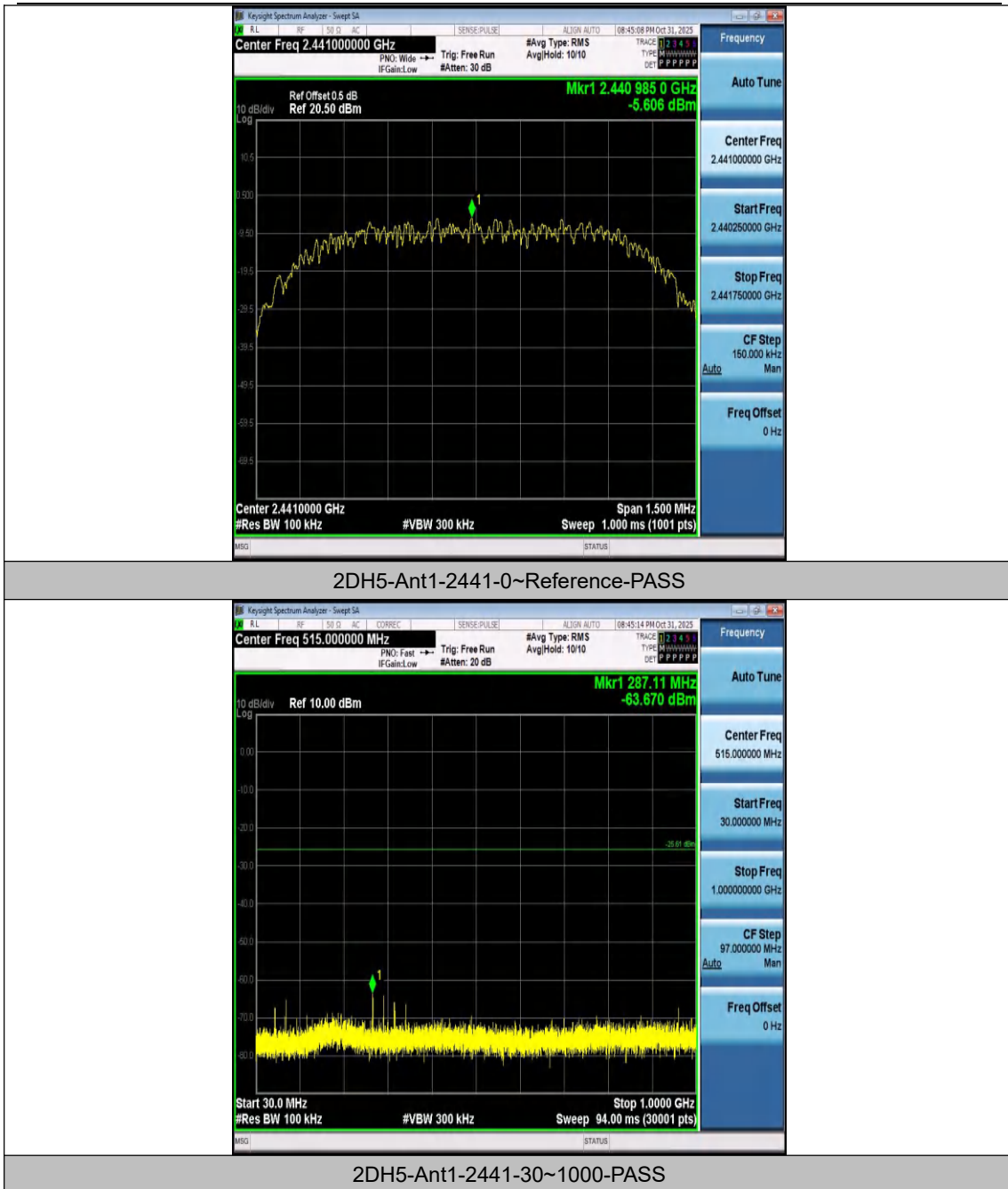
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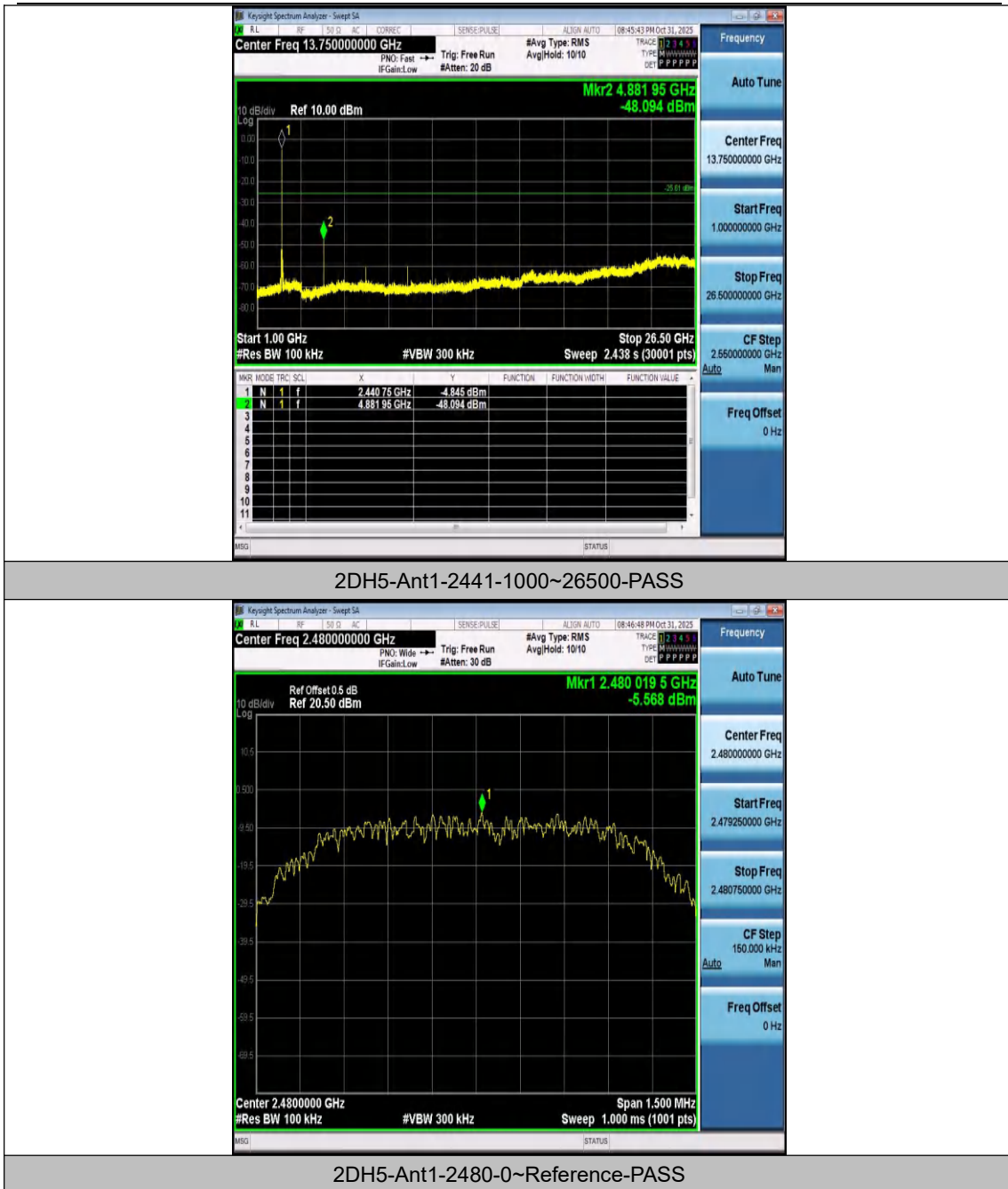
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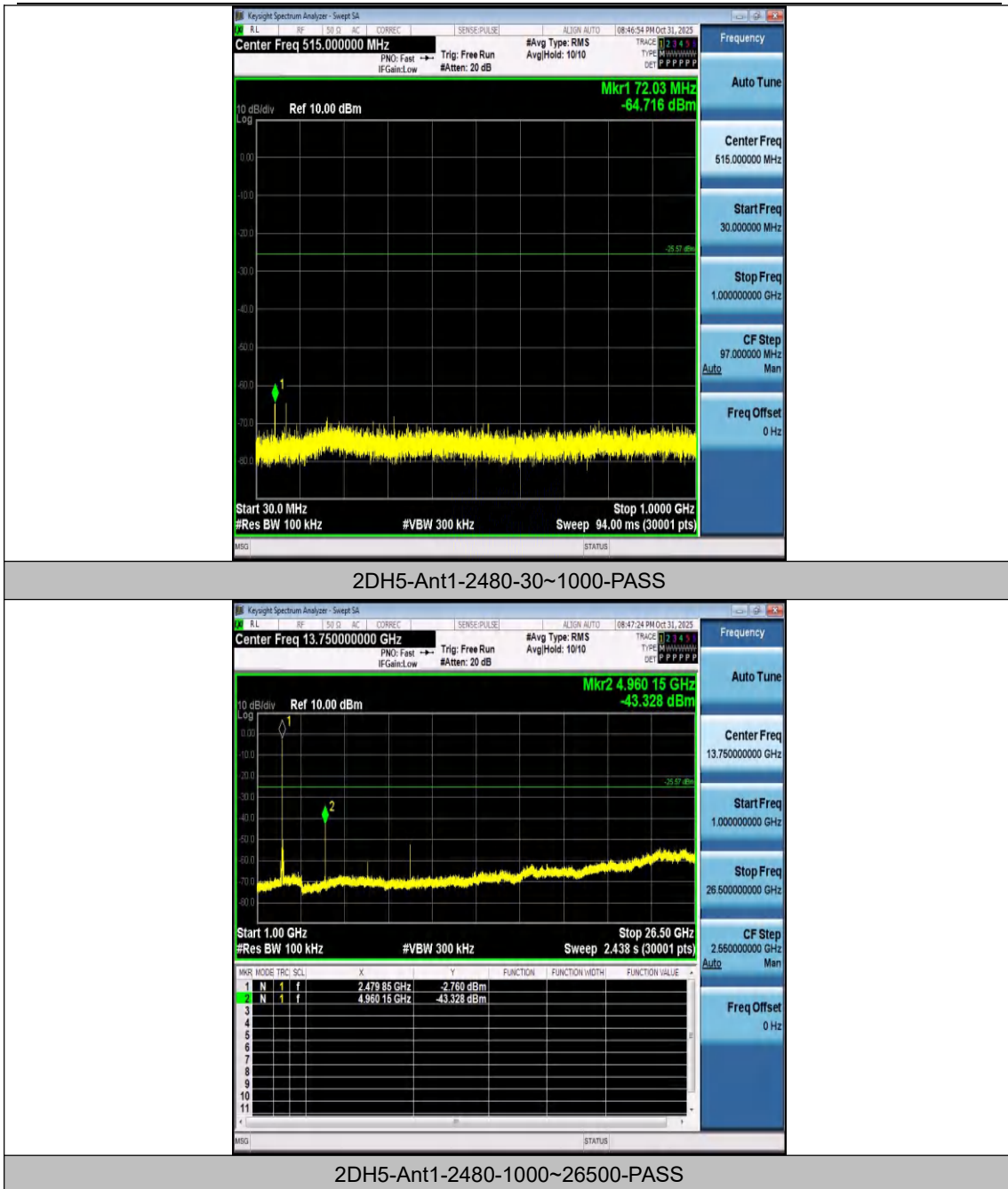
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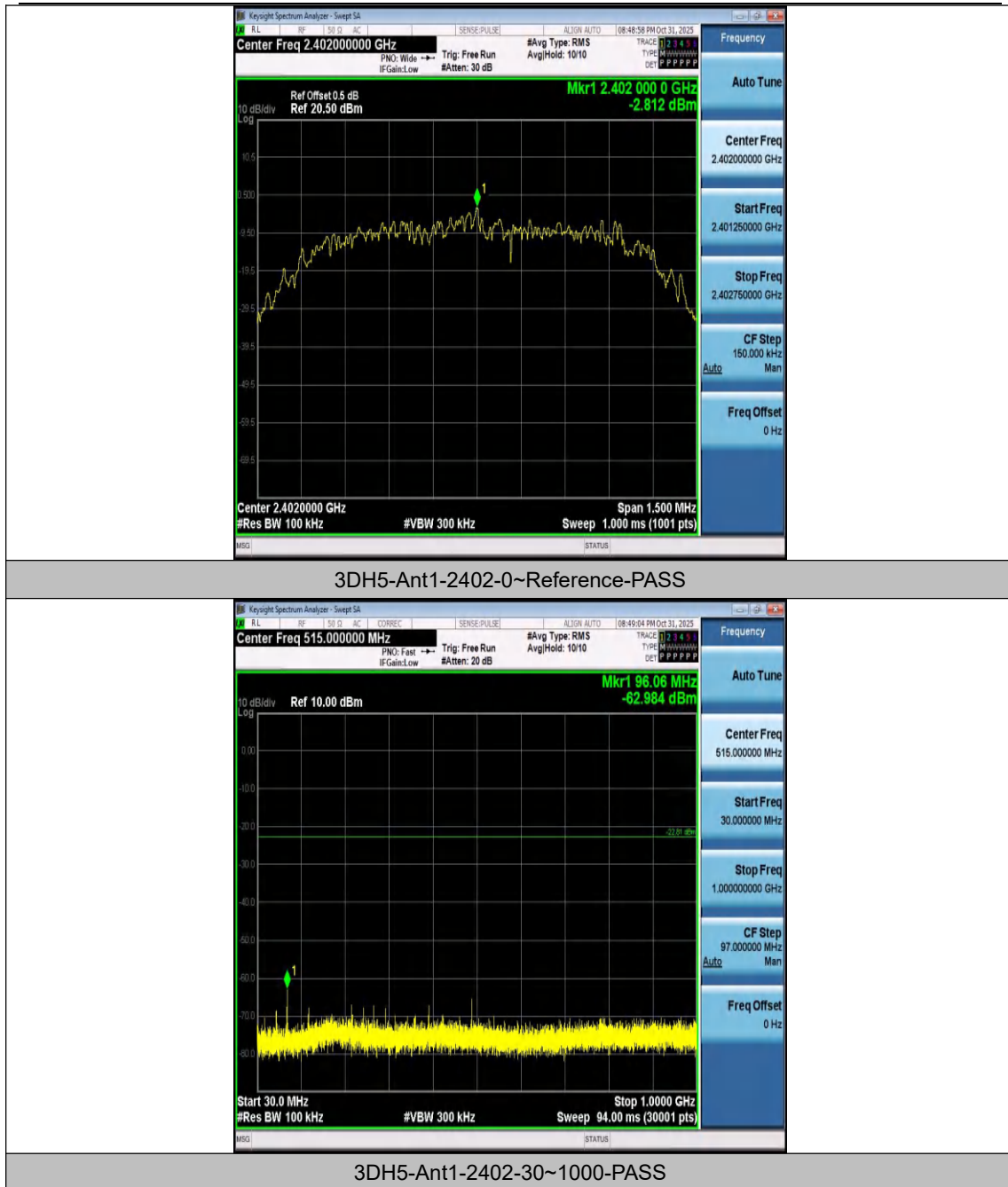
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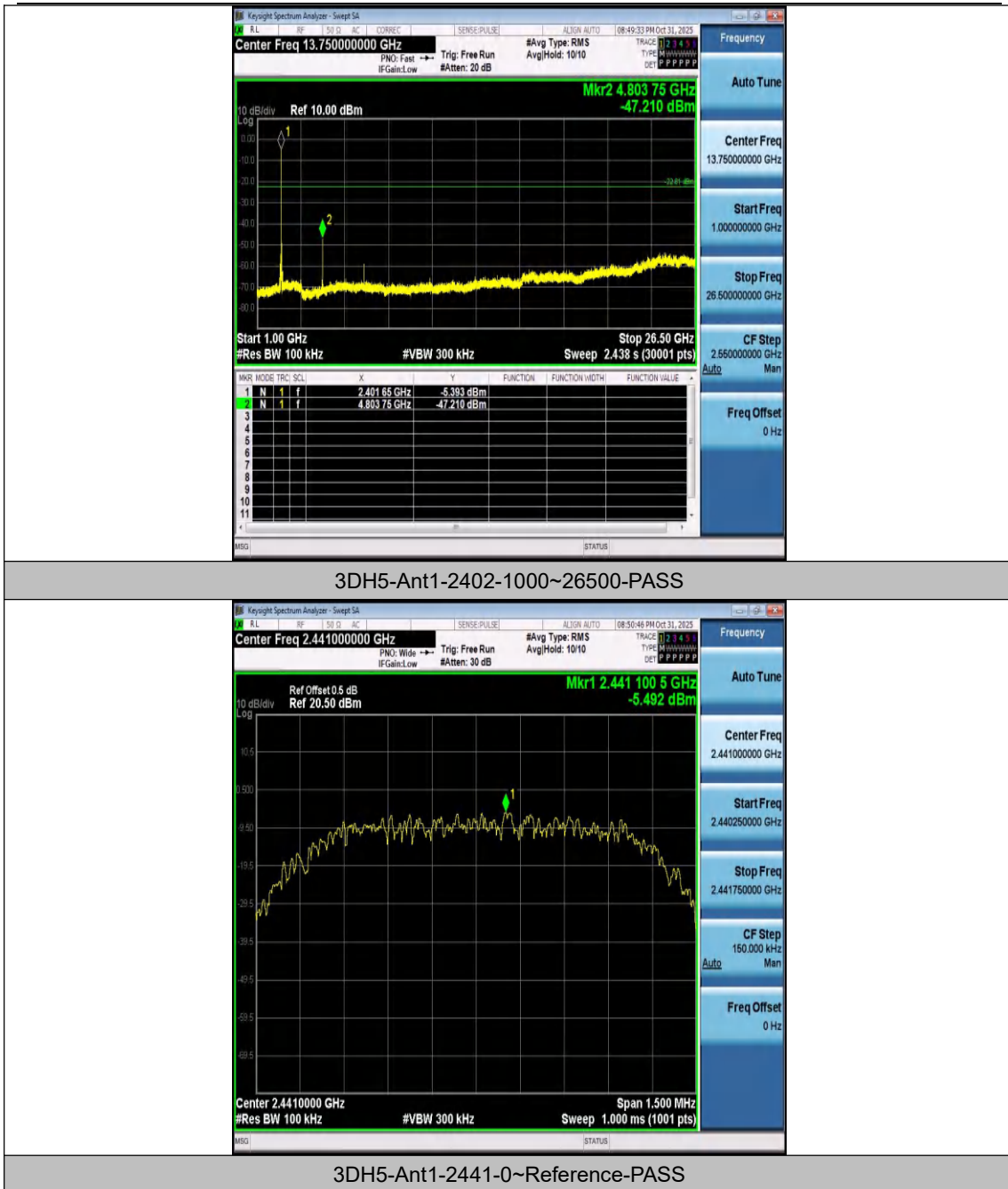
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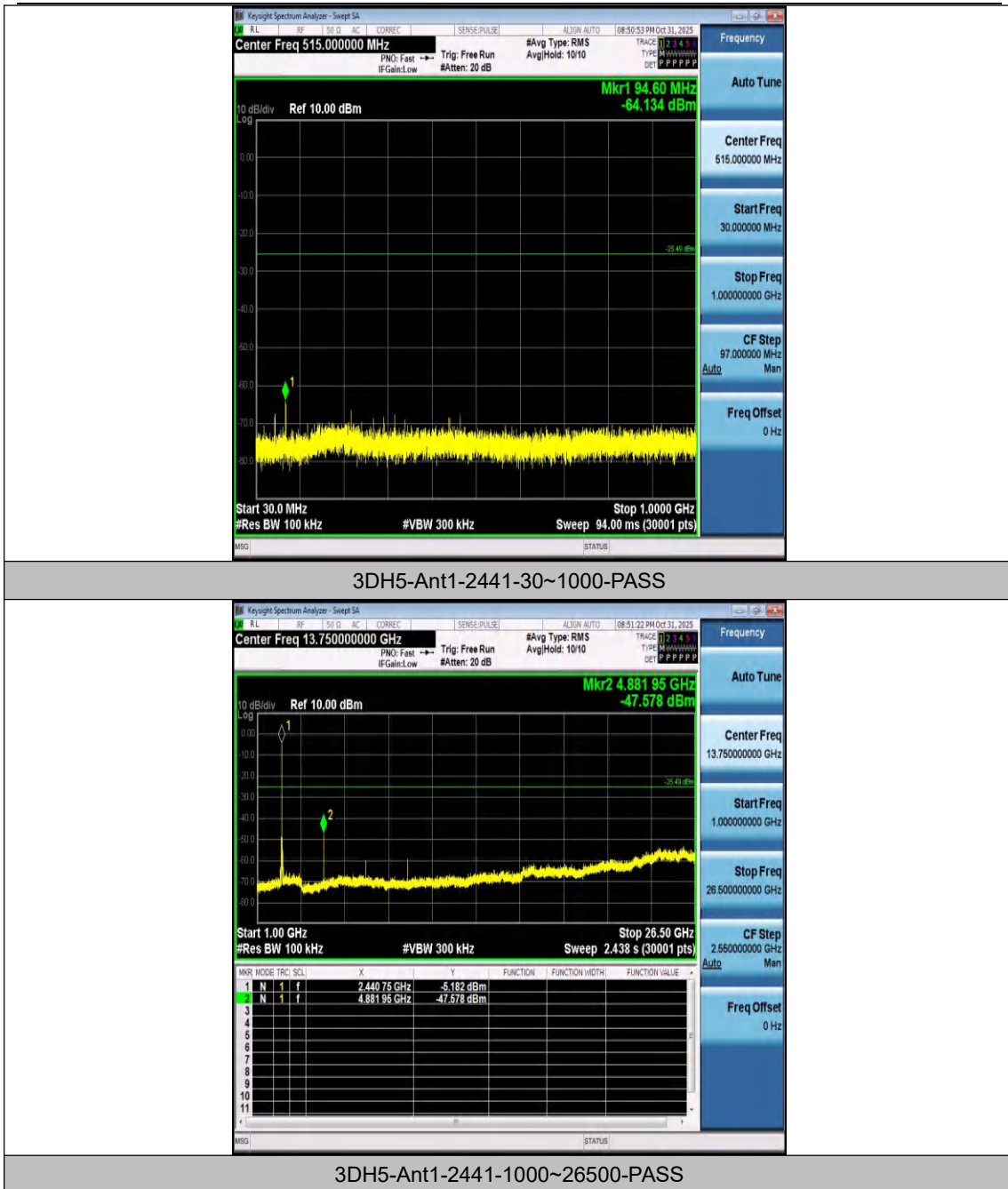
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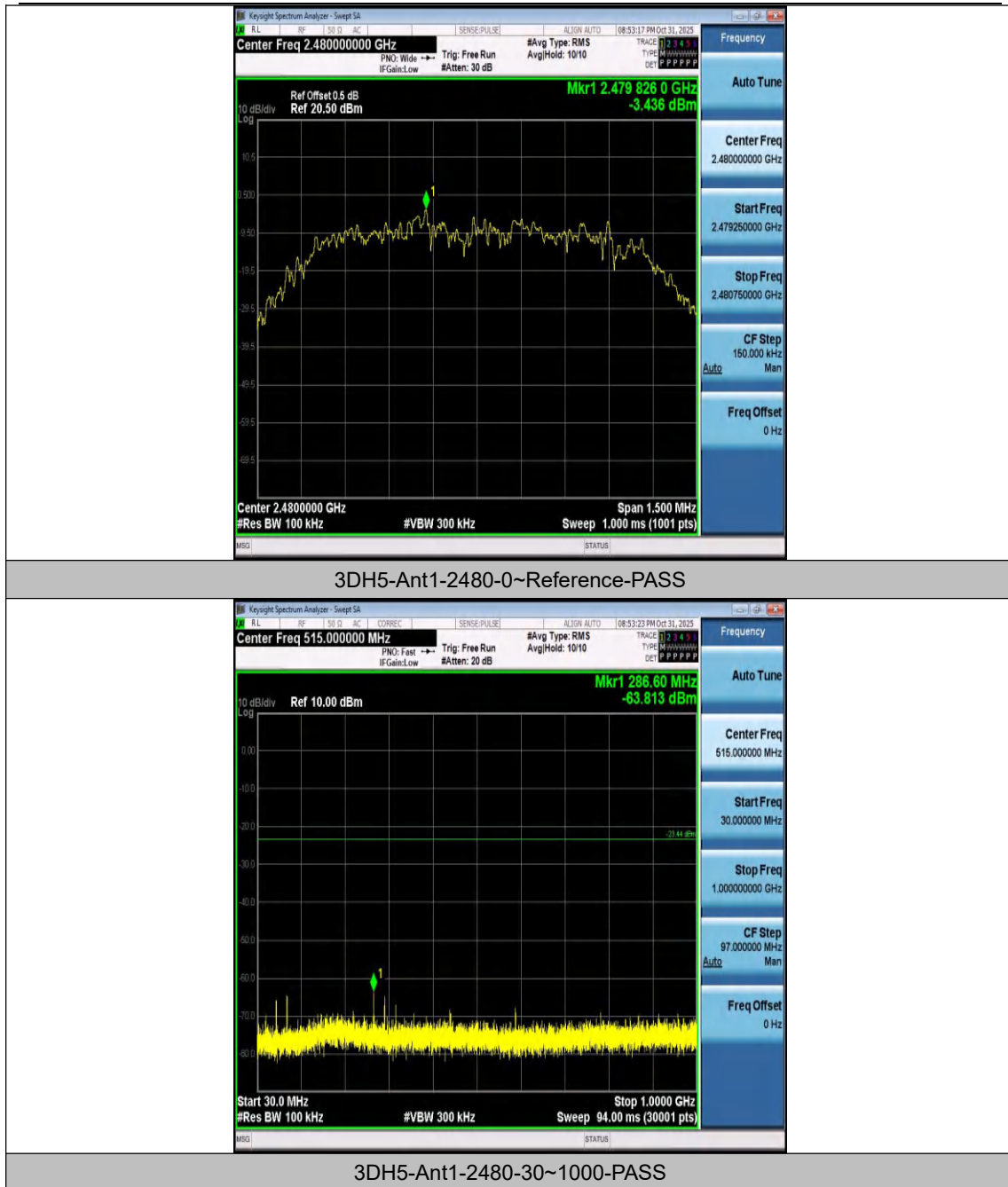
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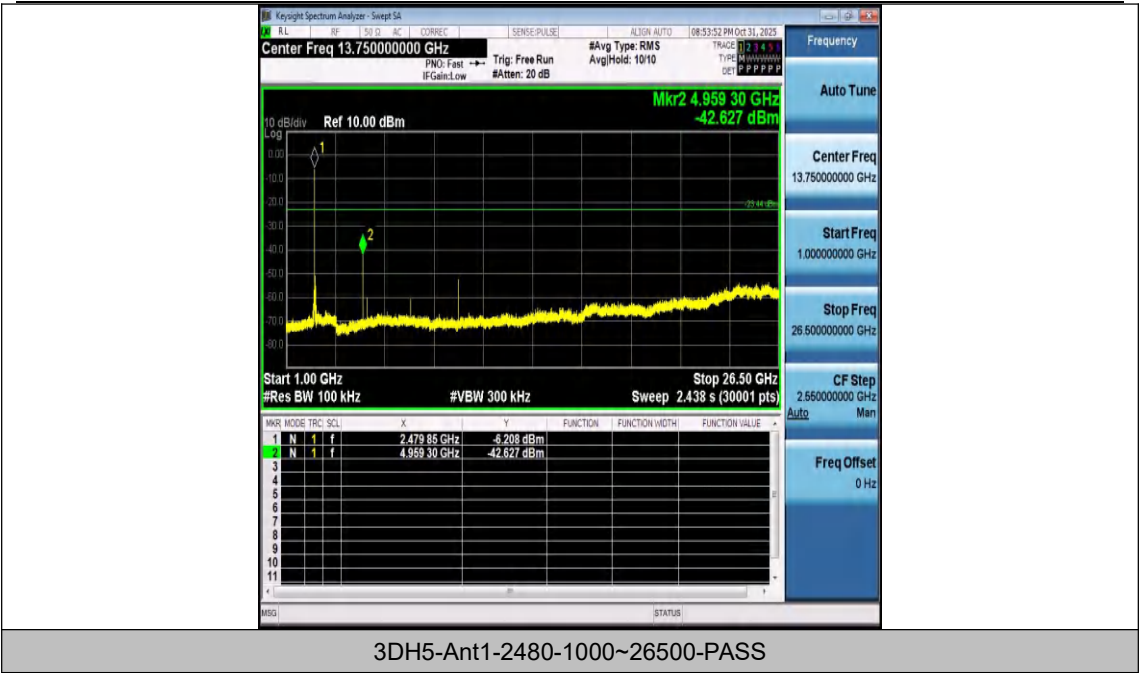
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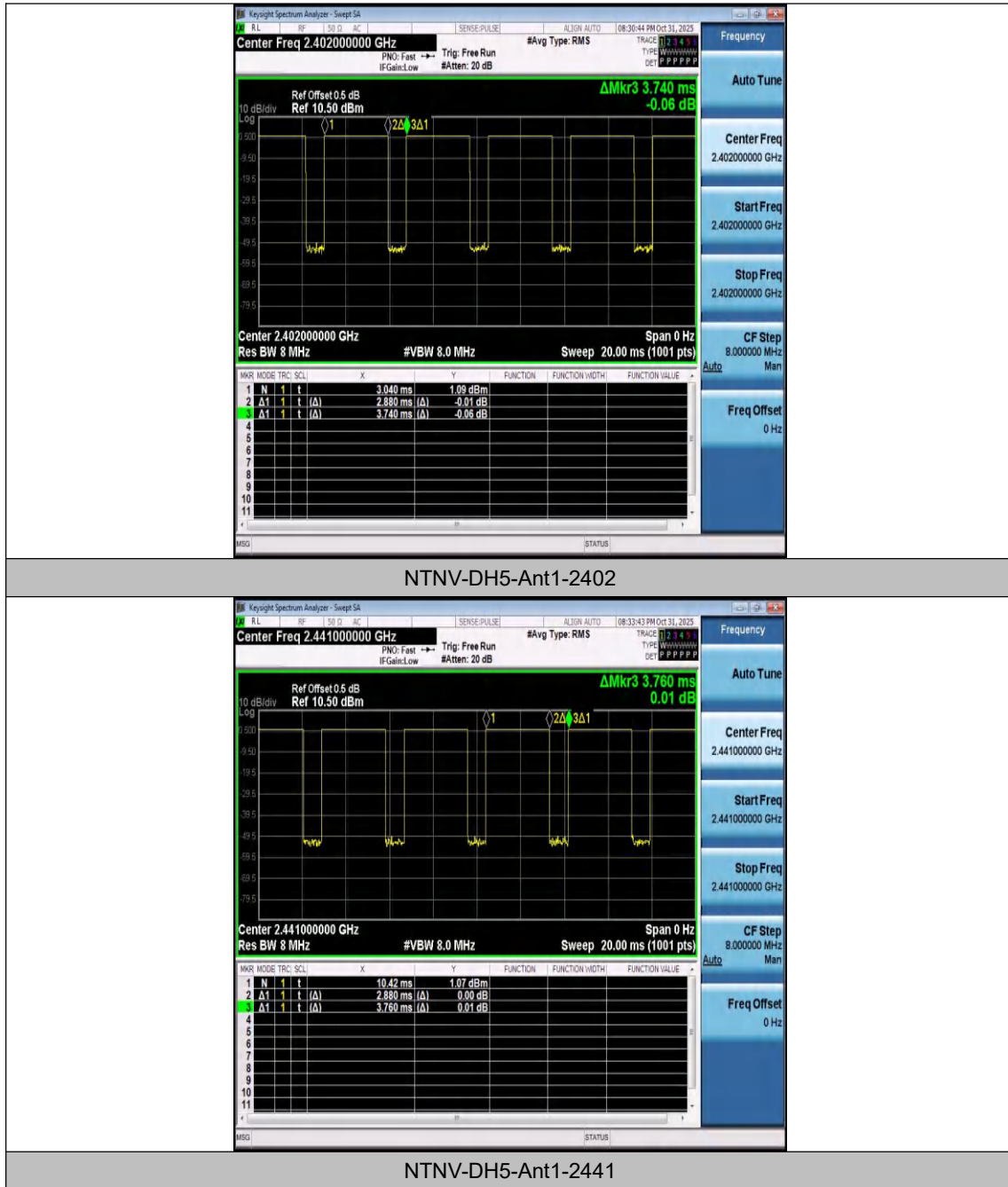
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
DH5	Ant1	2441	2.88	3.76	76.60	1.16
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.88	3.76	76.60	1.16
2DH5	Ant1	2441	2.88	3.76	76.60	1.16
2DH5	Ant1	2480	2.88	3.74	77.01	1.13
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
3DH5	Ant1	2441	2.88	3.74	77.01	1.13
3DH5	Ant1	2480	2.88	3.74	77.01	1.13

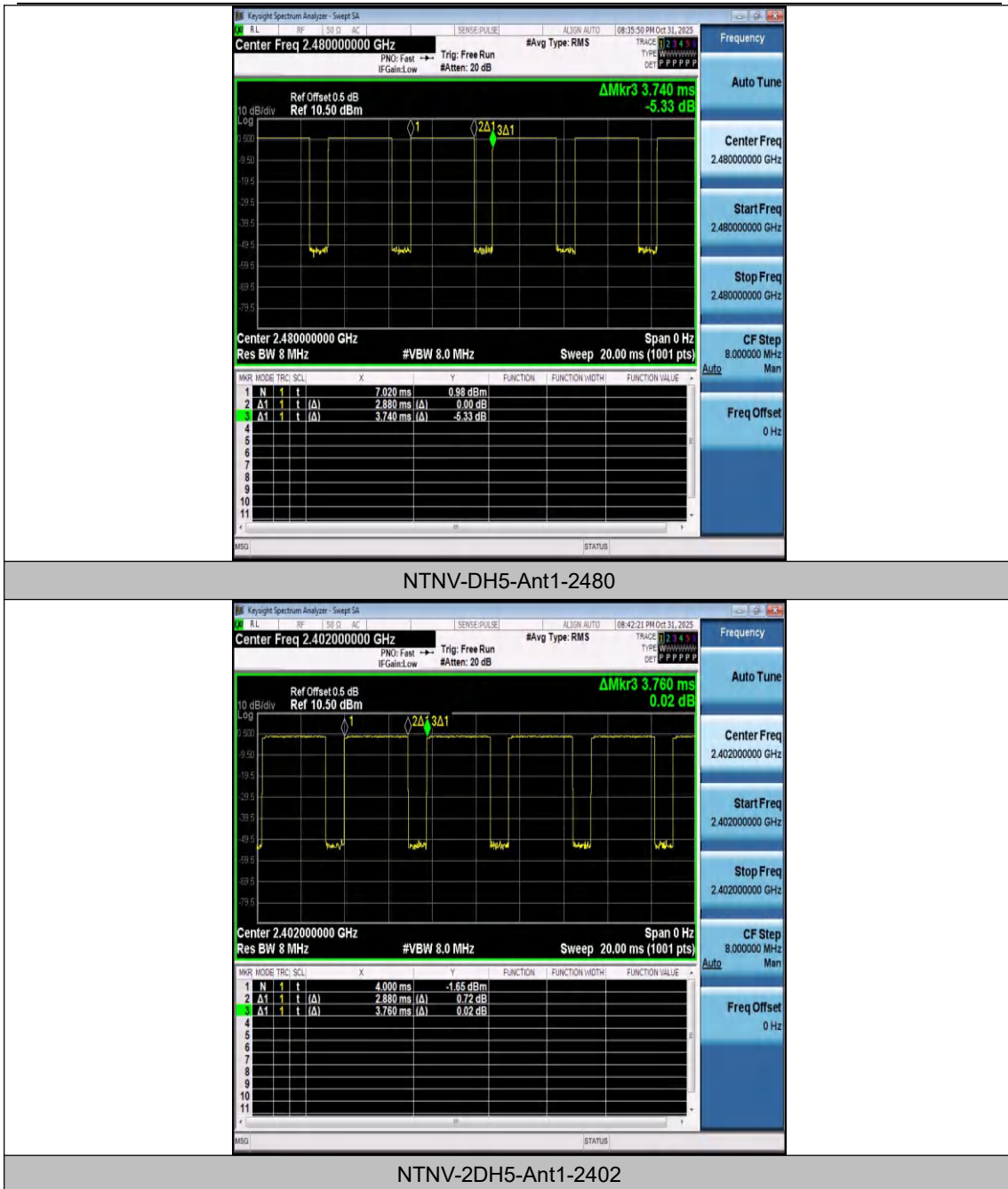
Test Graphs

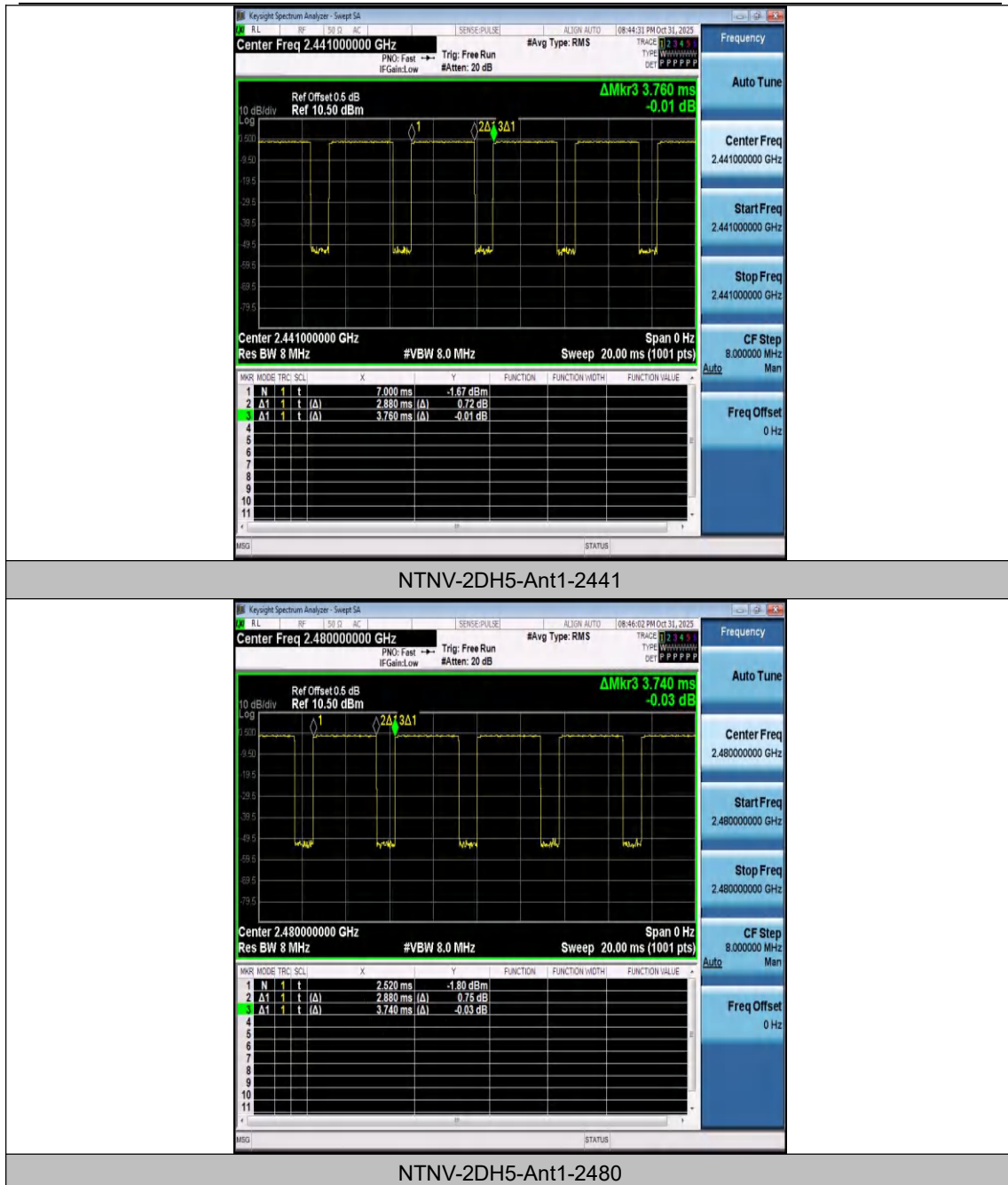


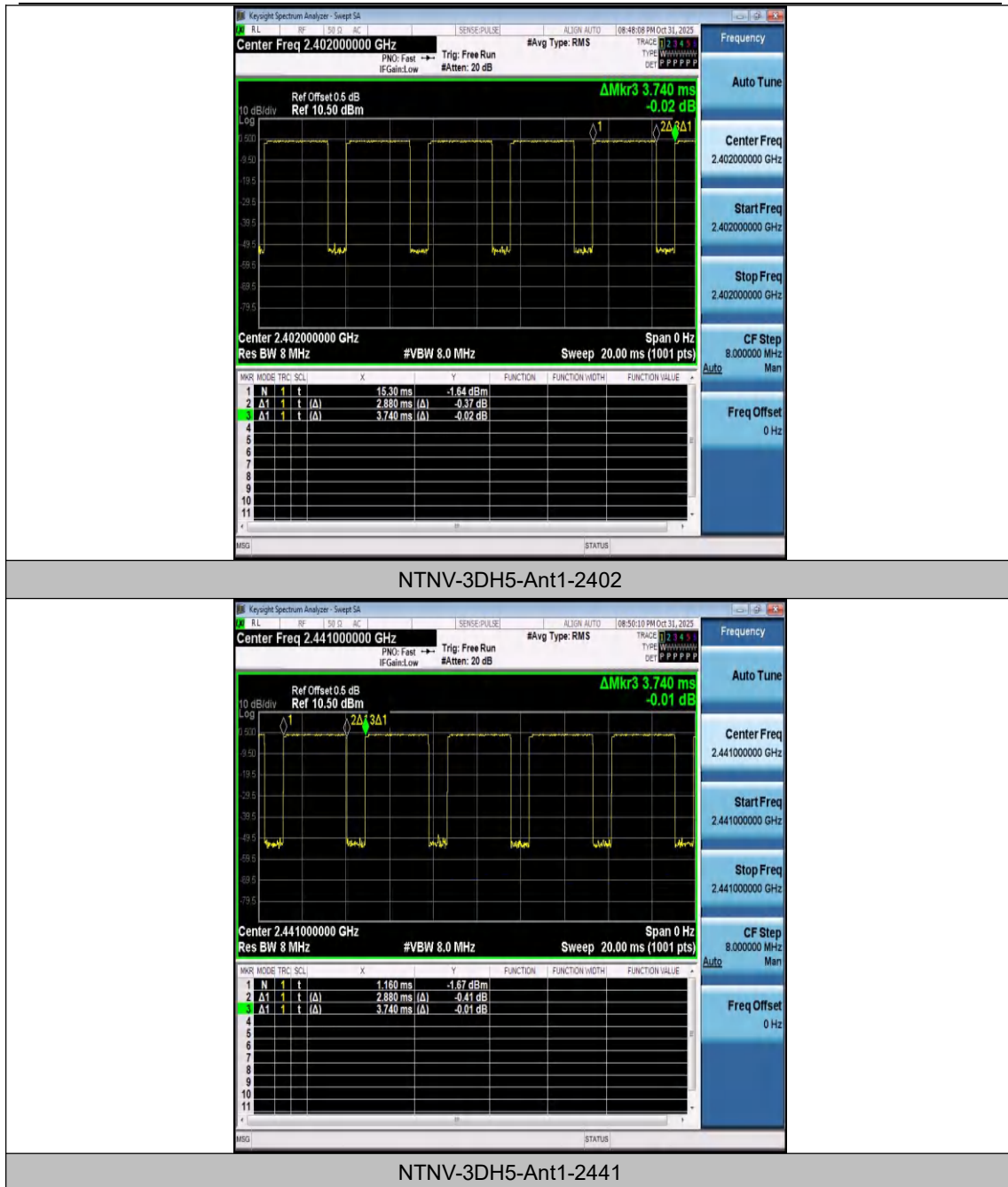
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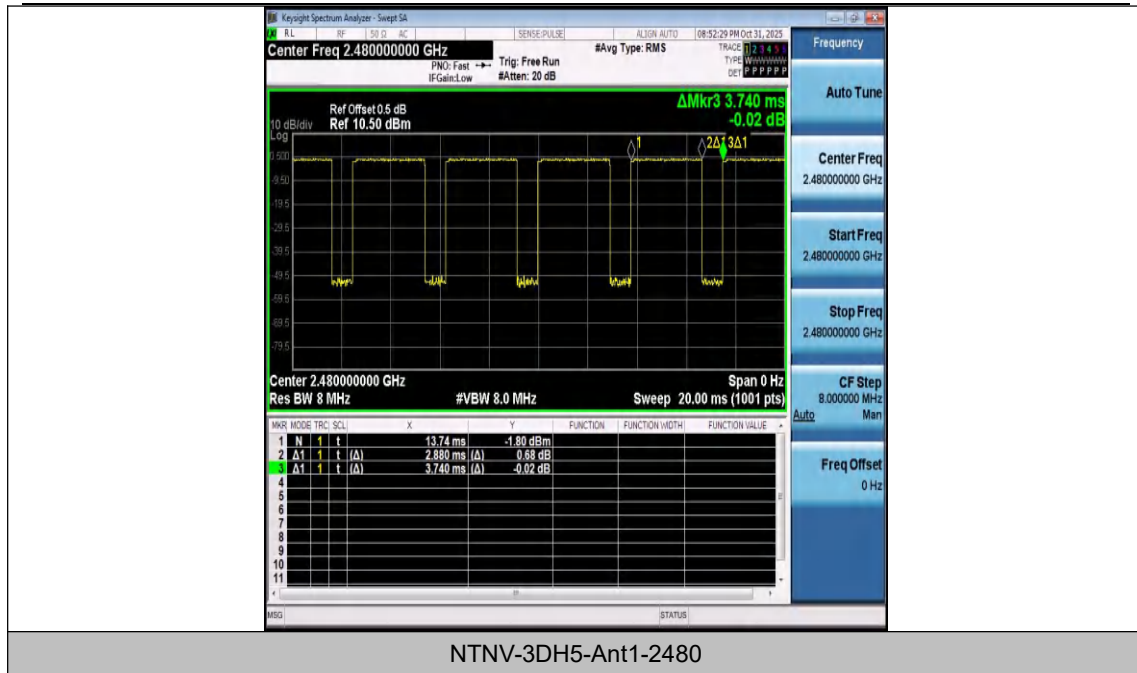




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NTNV-3DH5-Ant1-2480

---End---