

Appendix Test Data

Report No.:	1819C50118812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-6	Finish Test Date:	2025-11-6
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	41%
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	0.960	2401.544	2402.504	---	---
DH5	Ant1	2441	0.957	2440.547	2441.504	---	---
DH5	Ant1	2480	0.930	2479.550	2480.480	---	---
2DH5	Ant1	2402	1.338	2401.340	2402.678	---	---
2DH5	Ant1	2441	1.266	2440.397	2441.663	---	---
2DH5	Ant1	2480	1.320	2479.349	2480.669	---	---
3DH5	Ant1	2402	1.314	2401.358	2402.672	---	---
3DH5	Ant1	2441	1.290	2440.373	2441.663	---	---
3DH5	Ant1	2480	1.302	2479.361	2480.663	---	---

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	0.85154	2401.5833	2402.4349	---	---
DH5	Ant1	2441	0.86055	2440.5801	2441.4406	---	---
DH5	Ant1	2480	0.87052	2479.5752	2480.4457	---	---
2DH5	Ant1	2402	1.1825	2401.4193	2402.6018	---	---
2DH5	Ant1	2441	1.1737	2440.4223	2441.5960	---	---
2DH5	Ant1	2480	1.1921	2479.4180	2480.6101	---	---
3DH5	Ant1	2402	1.1904	2401.4160	2402.6064	---	---
3DH5	Ant1	2441	1.1812	2440.4167	2441.5979	---	---
3DH5	Ant1	2480	1.1977	2479.4109	2480.6086	---	---

Test Graphs



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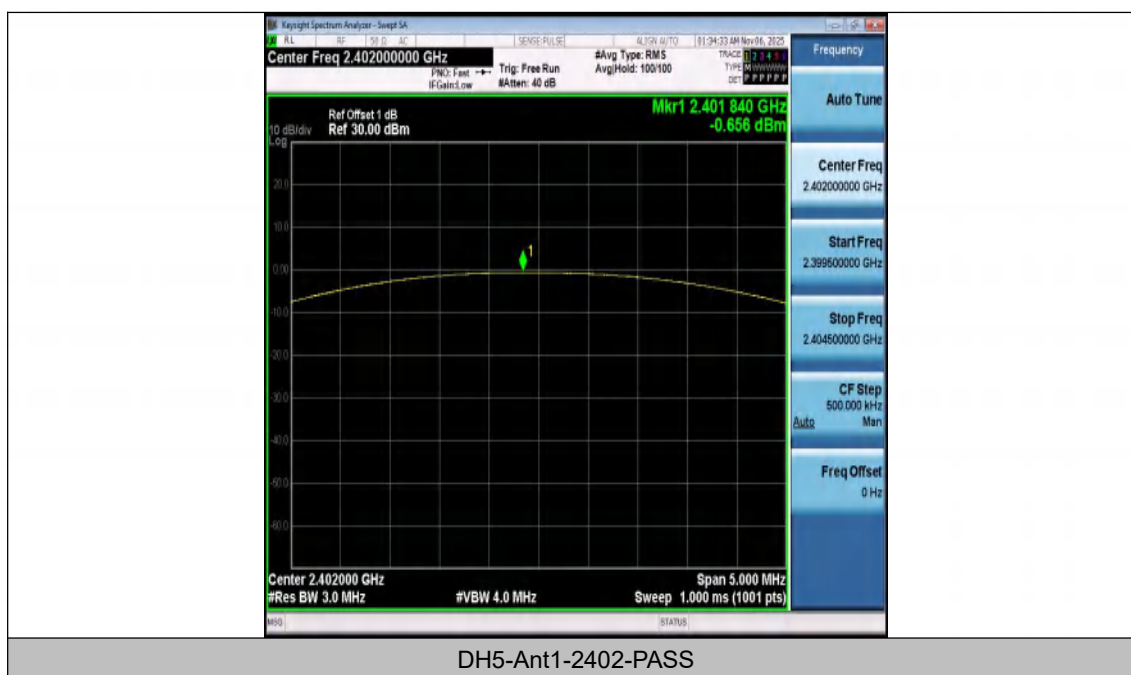
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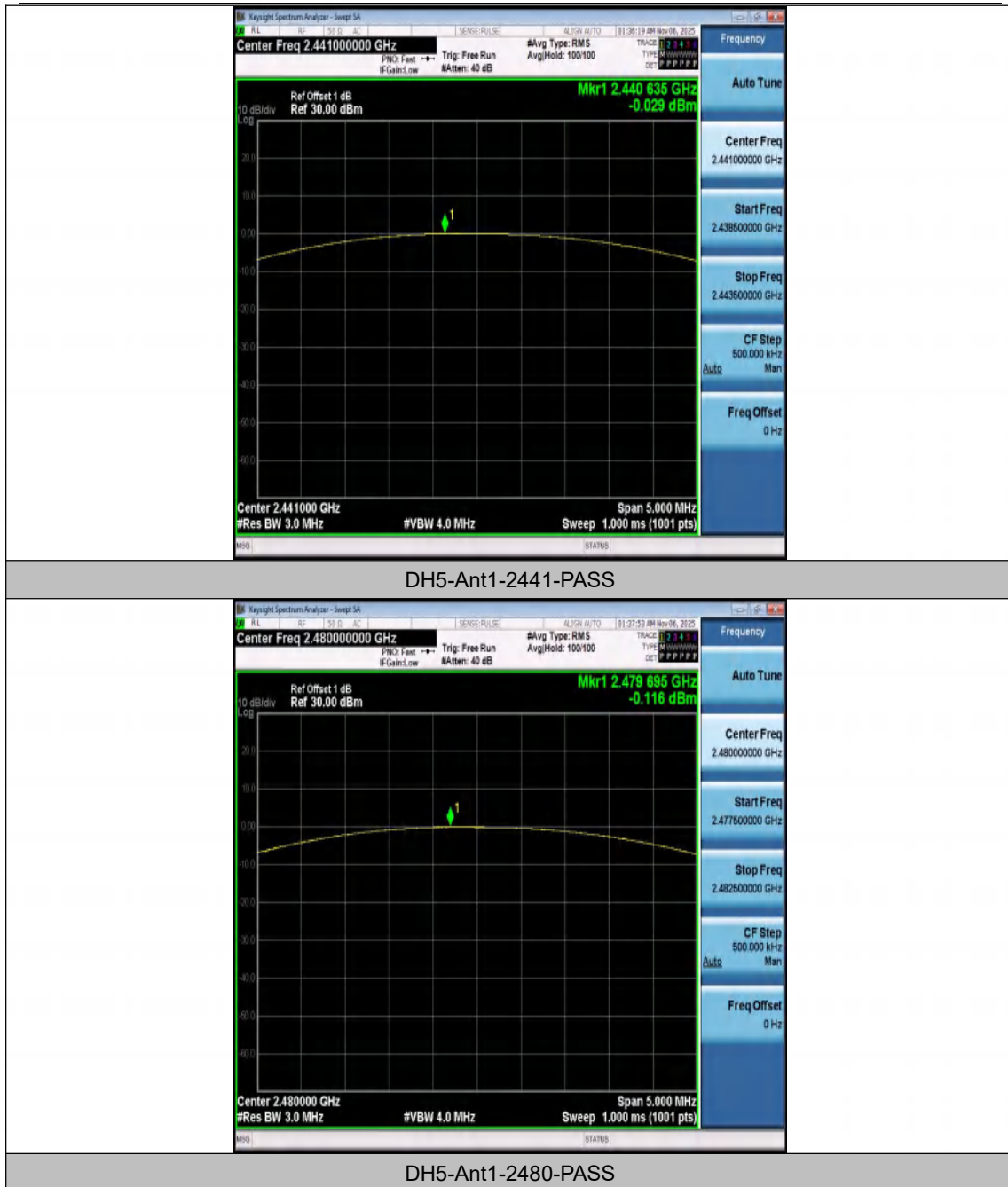
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.66	≤20.97	PASS
DH5	Ant1	2441	-0.03	≤20.97	PASS
DH5	Ant1	2480	-0.12	≤20.97	PASS
2DH5	Ant1	2402	0.20	≤20.97	PASS
2DH5	Ant1	2441	0.90	≤20.97	PASS
2DH5	Ant1	2480	0.81	≤20.97	PASS
3DH5	Ant1	2402	0.67	≤20.97	PASS
3DH5	Ant1	2441	1.33	≤20.97	PASS
3DH5	Ant1	2480	1.18	≤20.97	PASS

Test Graphs

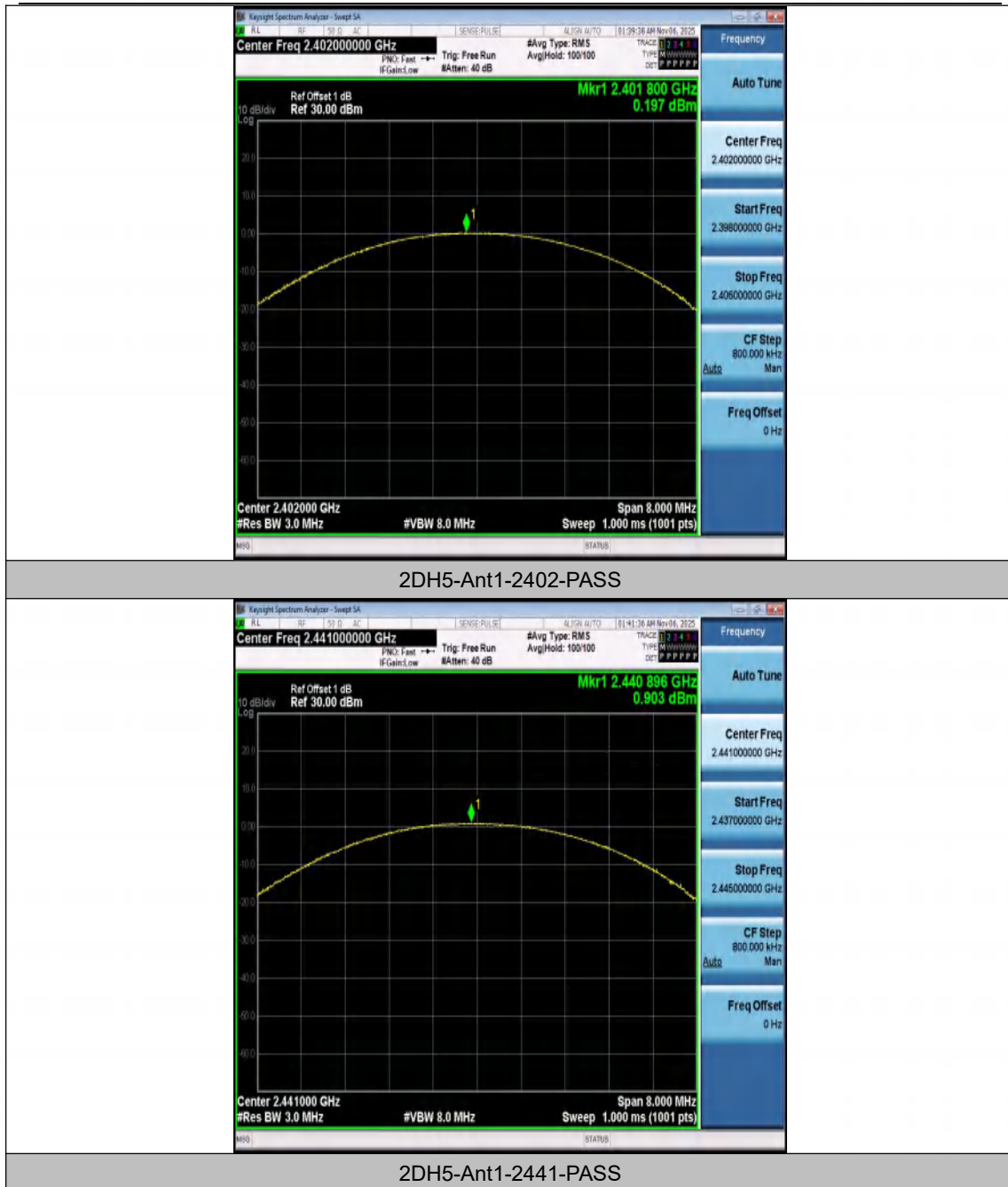




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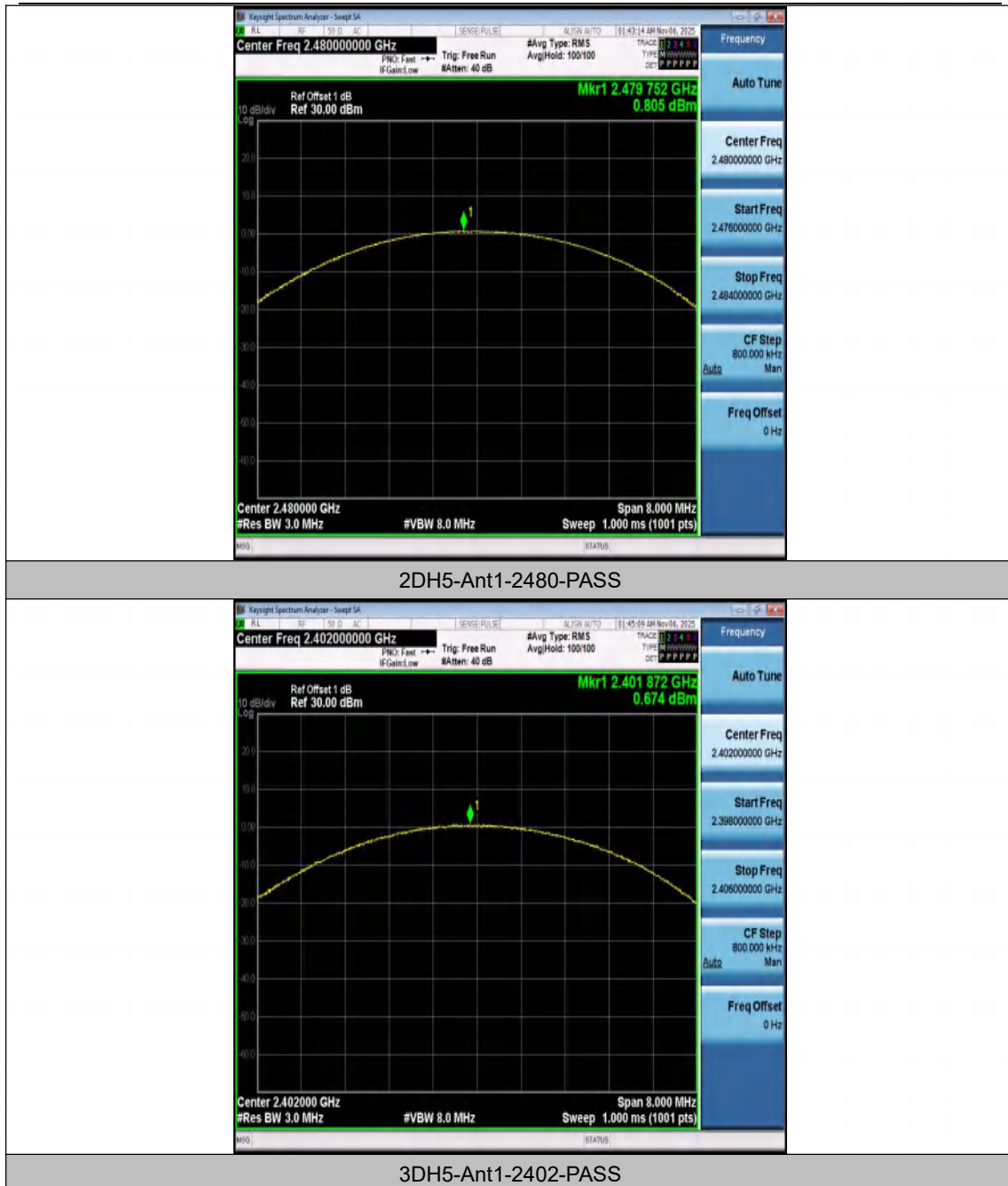
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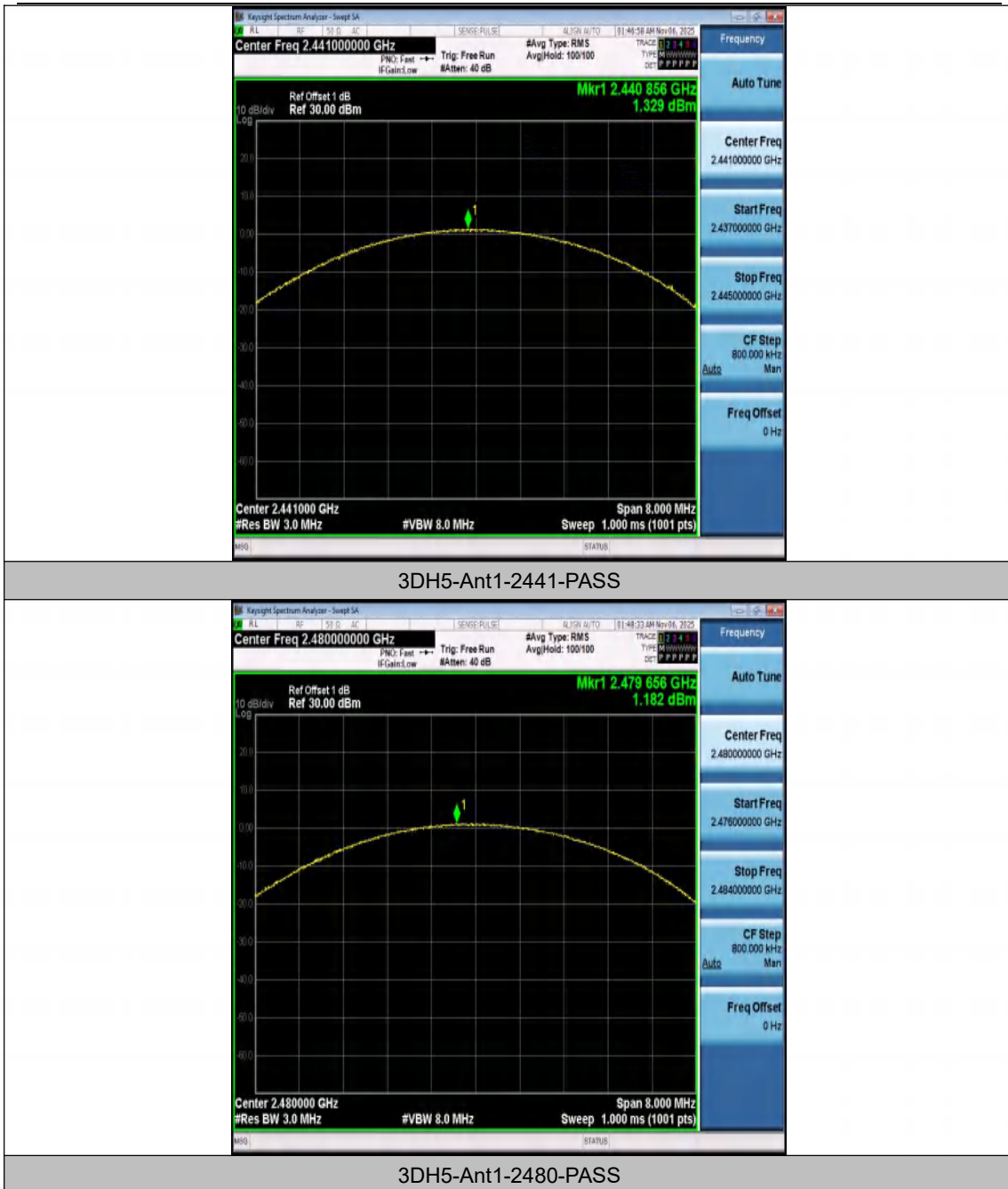
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.960	PASS
2DH5	Ant1	Hop	0.976	≥ 0.892	PASS
3DH5	Ant1	Hop	1.174	≥ 0.876	PASS

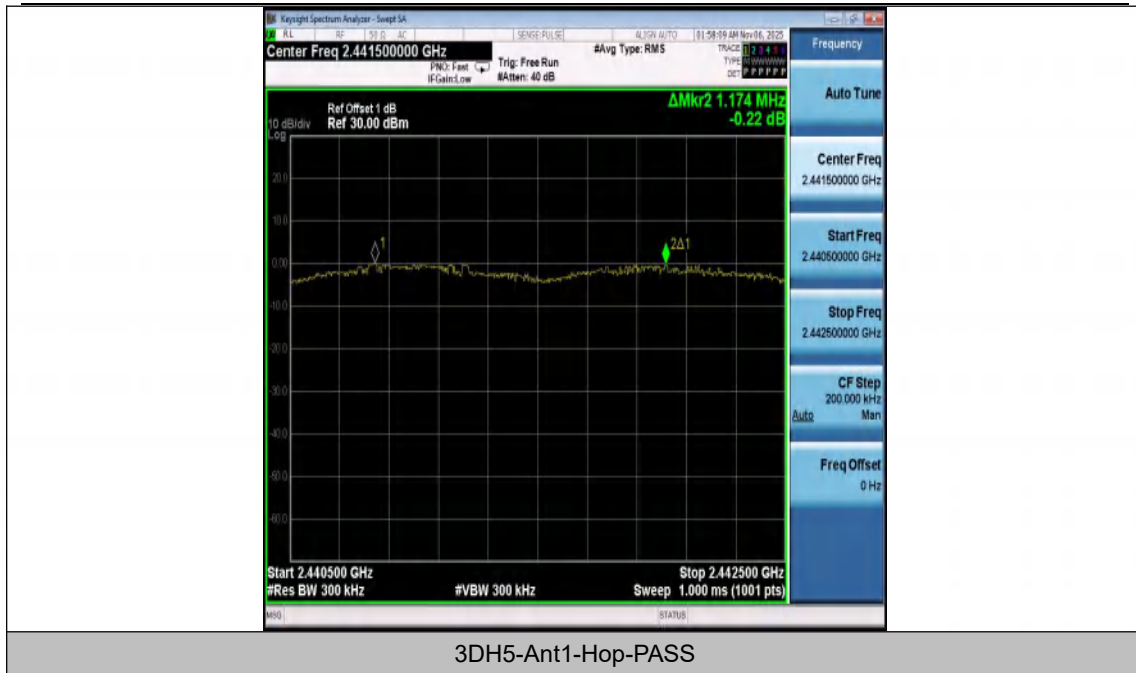
Test Graphs



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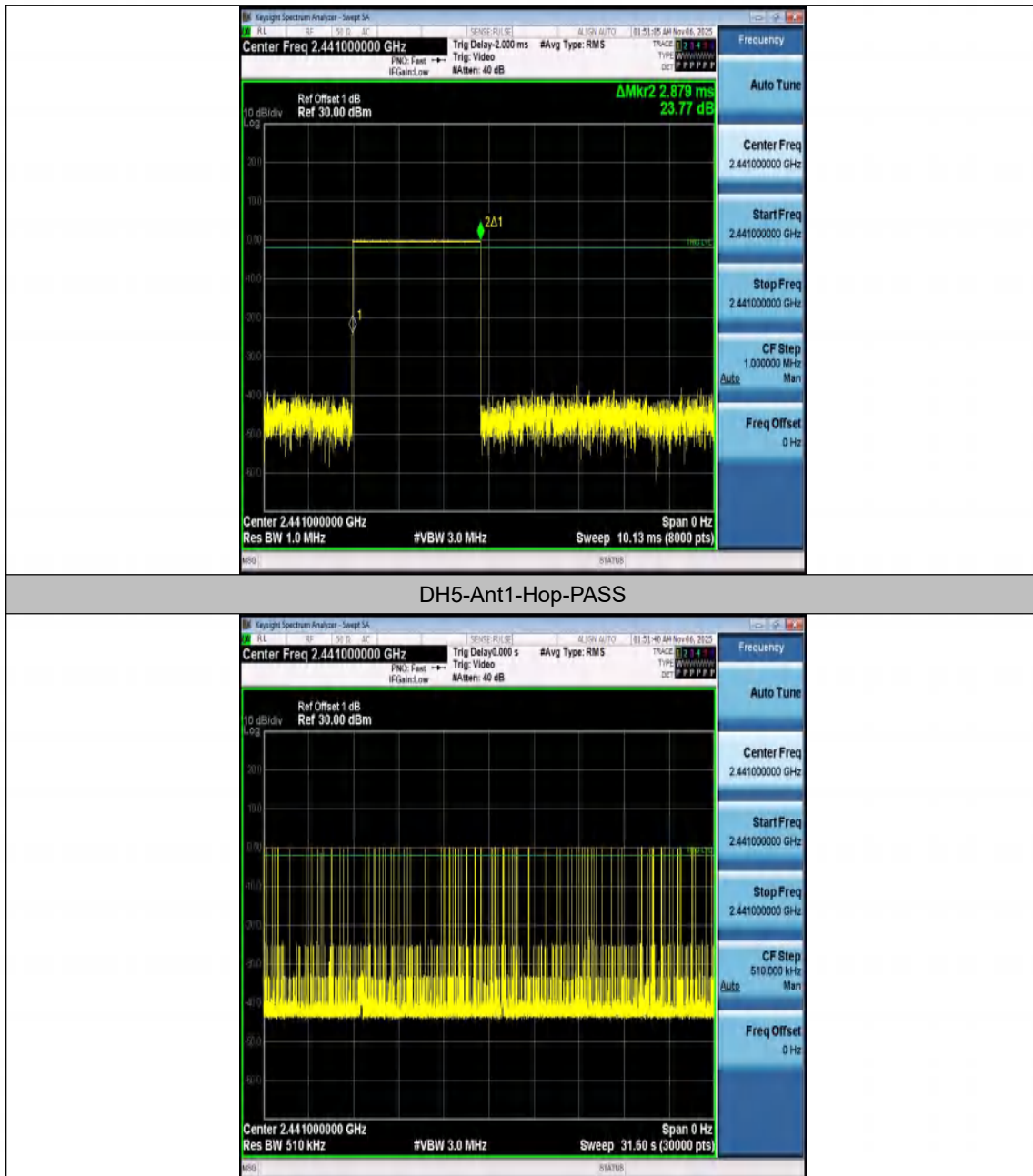
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	95	0.274	≤0.4	PASS
2DH5	Ant1	Hop	2.884	95	0.274	≤0.4	PASS
3DH5	Ant1	Hop	2.887	106	0.306	≤0.4	PASS

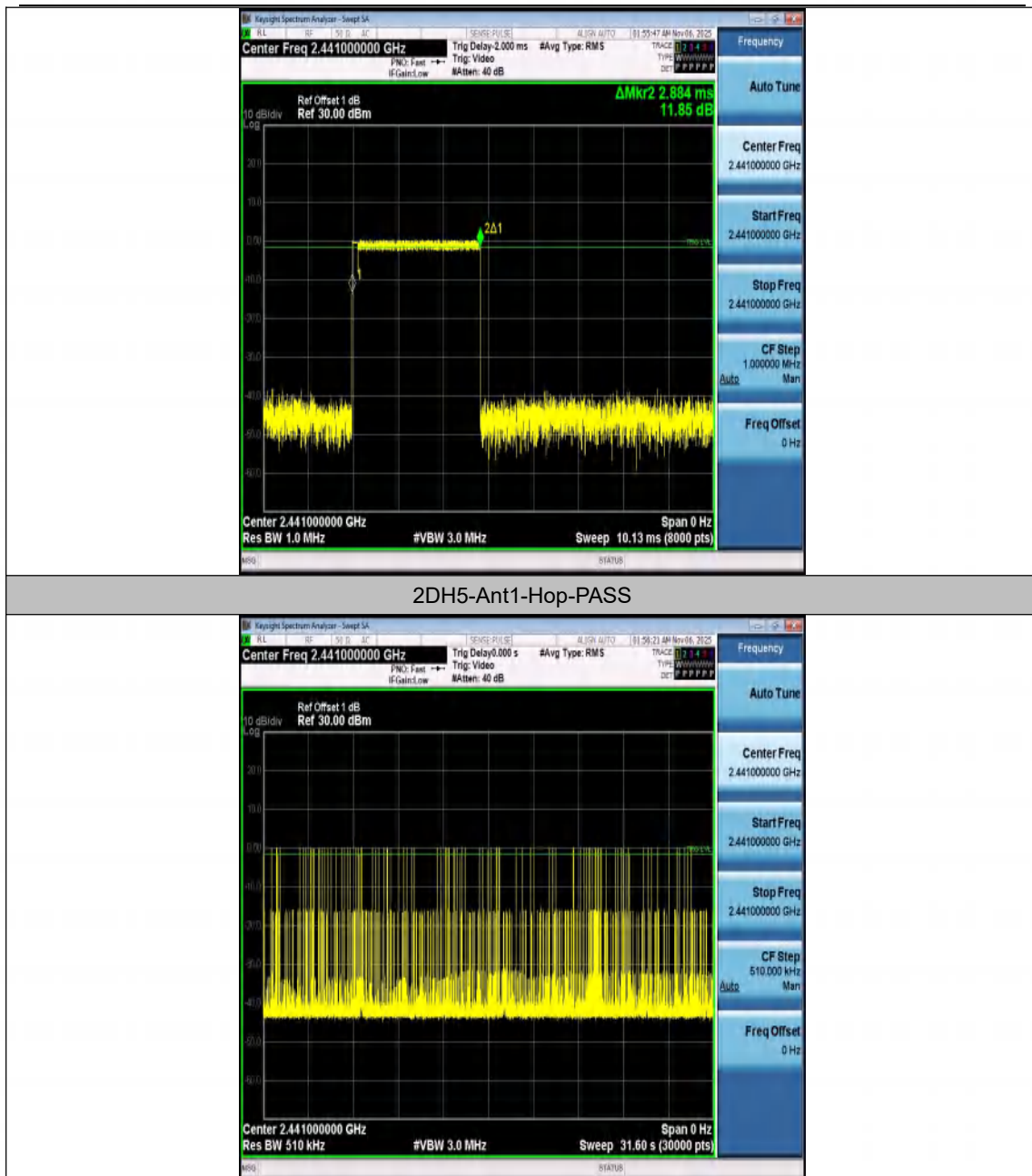
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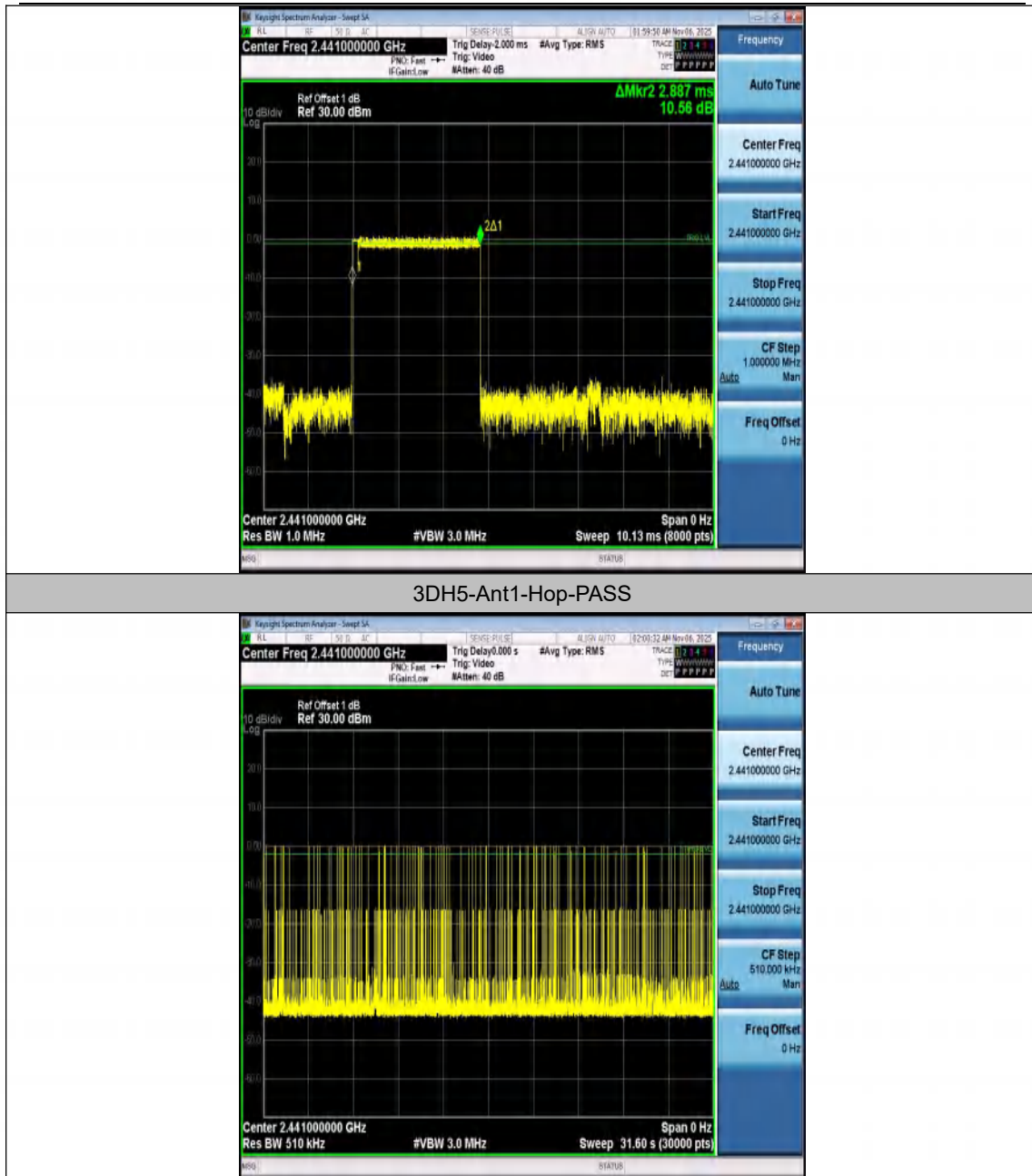
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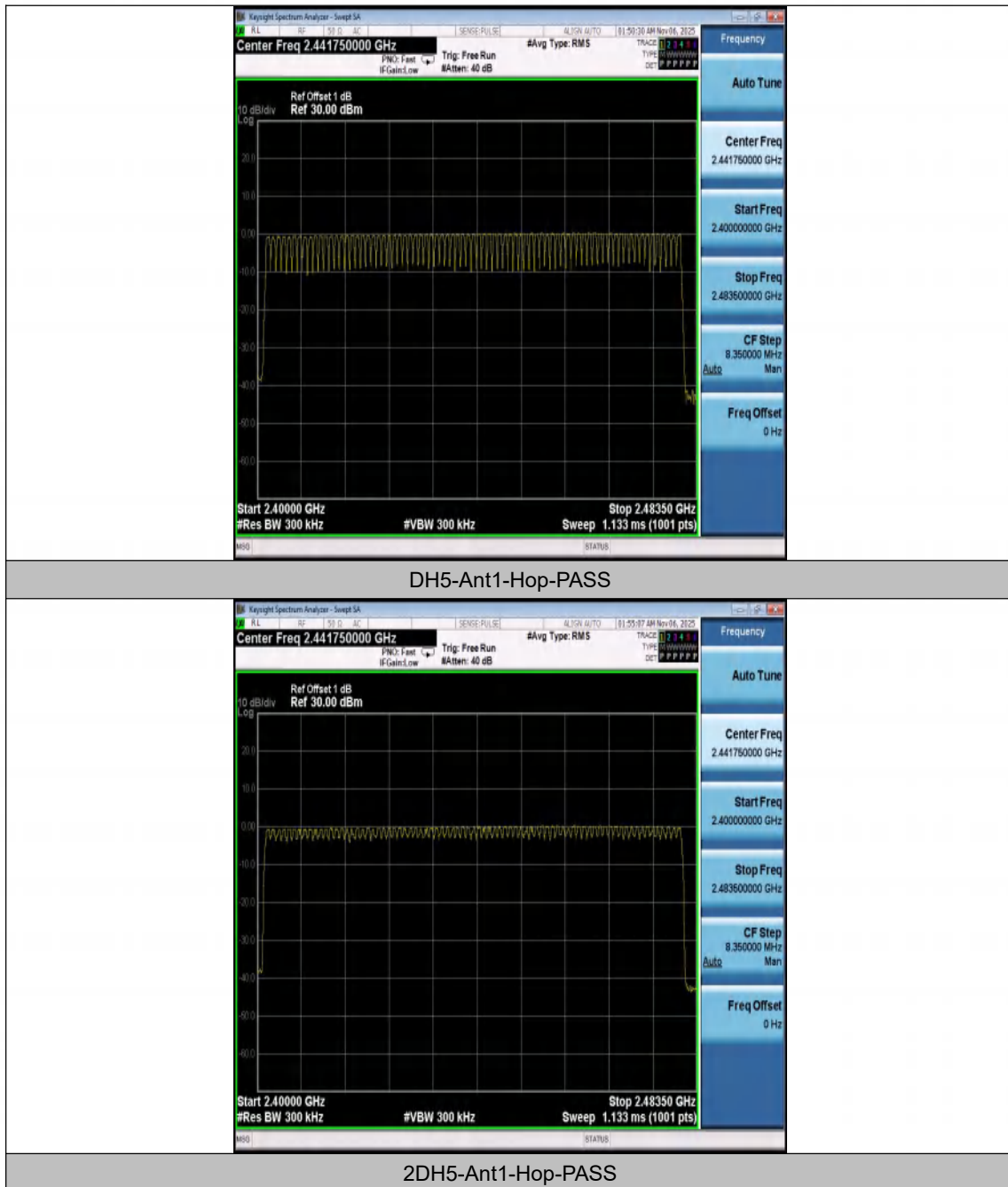
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Appendix F: Number of Hopping Channel

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

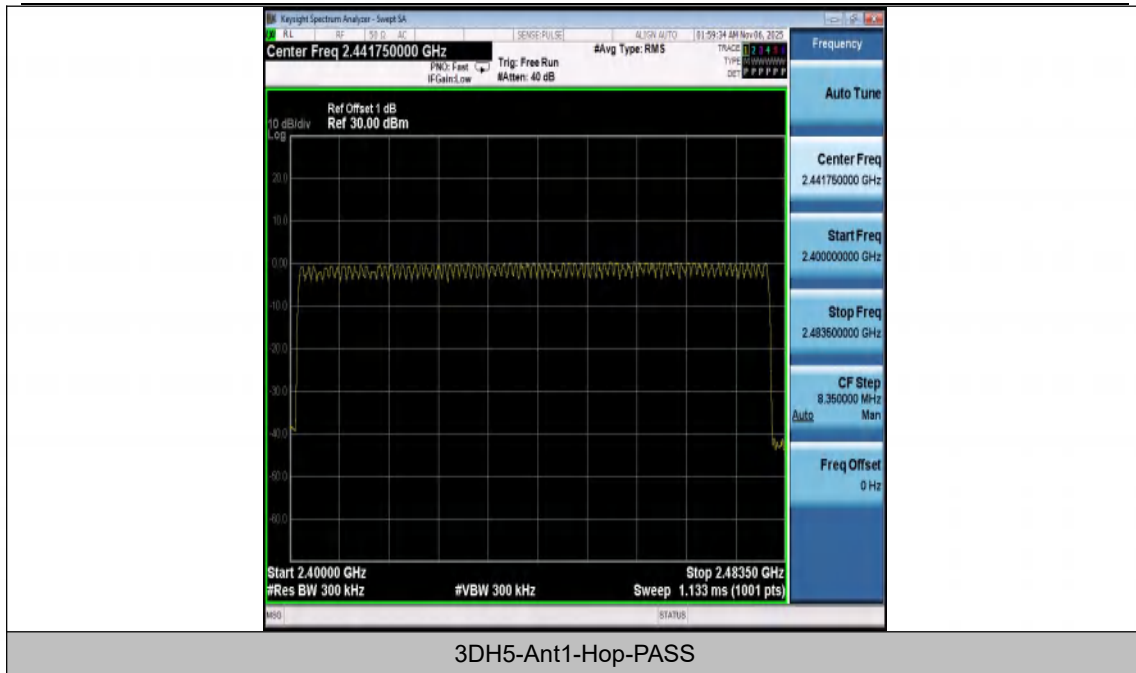
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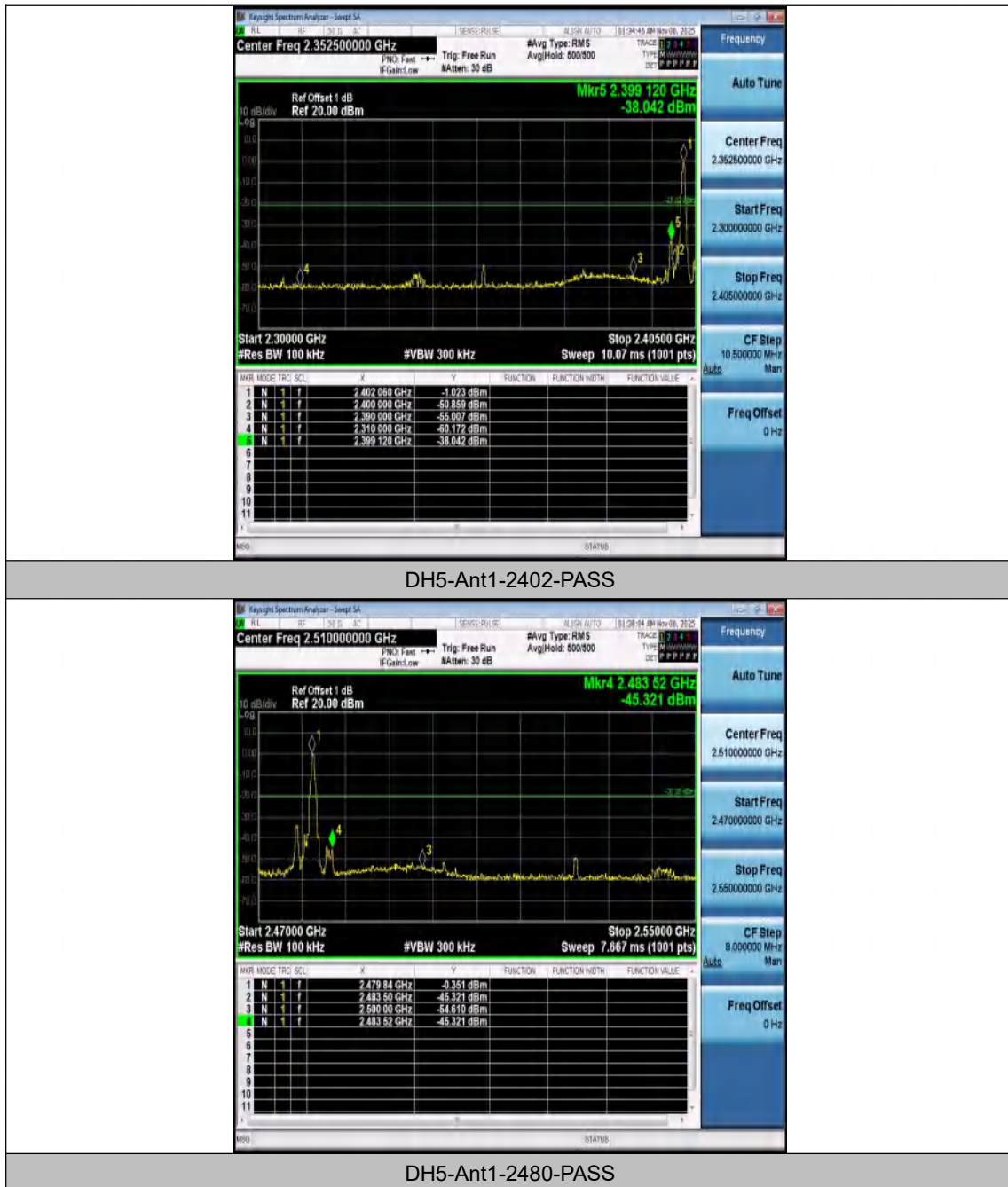
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.02	-38.04	≤-21.02	PASS
DH5	Ant1	High	2480	-0.35	-45.32	≤-20.35	PASS
DH5	Ant1	Low	Hop_2402	-1.37	-38.85	≤-21.37	PASS
DH5	Ant1	High	Hop_2480	-0.27	-48.53	≤-20.27	PASS
2DH5	Ant1	Low	2402	-1.09	-38.3	≤-21.09	PASS
2DH5	Ant1	High	2480	-0.38	-45.58	≤-20.38	PASS
2DH5	Ant1	Low	Hop_2402	-2.04	-40.39	≤-22.04	PASS
2DH5	Ant1	High	Hop_2480	-3.64	-47.96	≤-23.64	PASS
3DH5	Ant1	Low	2402	-1.07	-38.16	≤-21.07	PASS
3DH5	Ant1	High	2480	-0.54	-45.42	≤-20.54	PASS
3DH5	Ant1	Low	Hop_2402	-1.21	-42.51	≤-21.21	PASS
3DH5	Ant1	High	Hop_2480	-0.30	-48.84	≤-20.3	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.

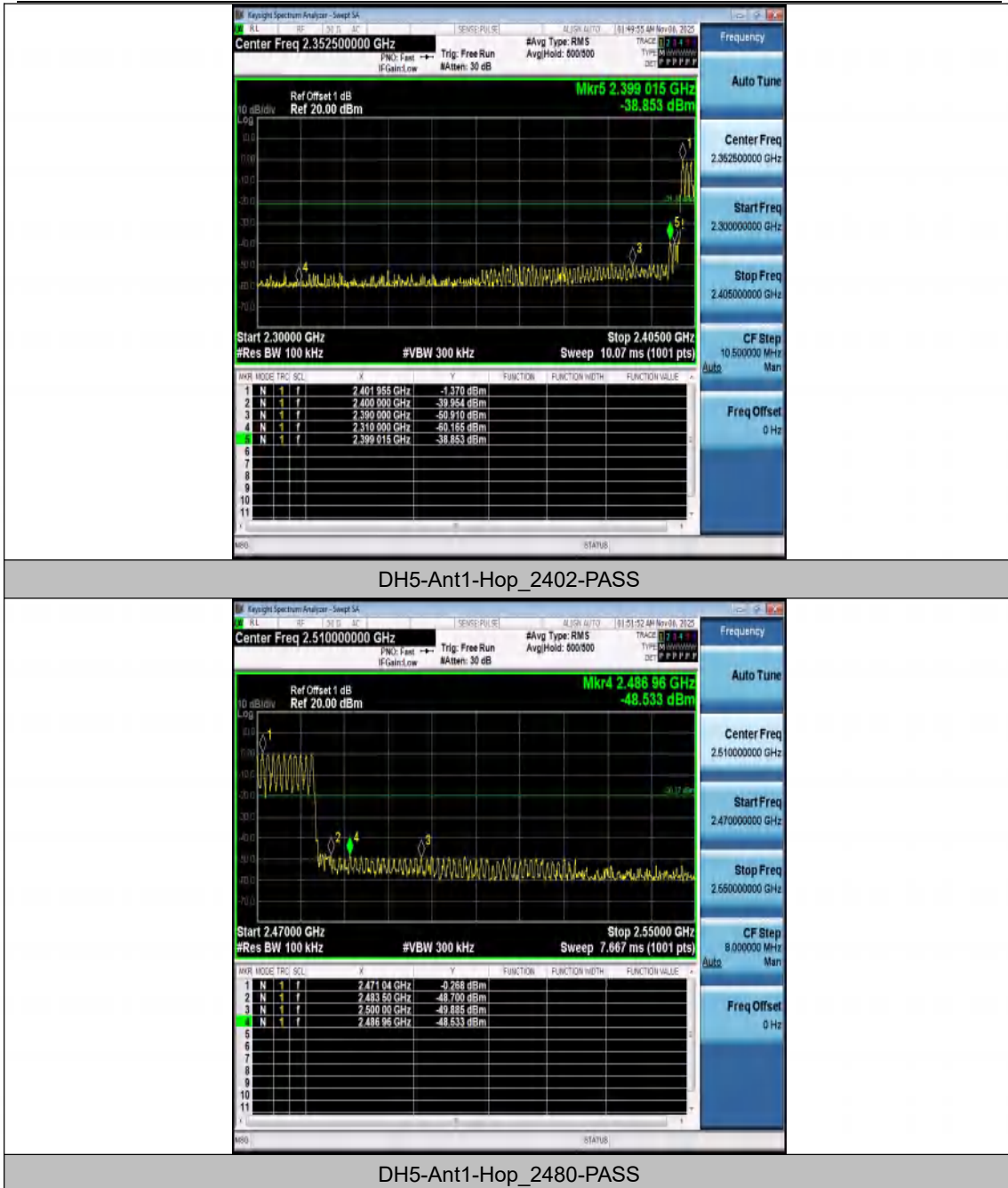
Test Graphs

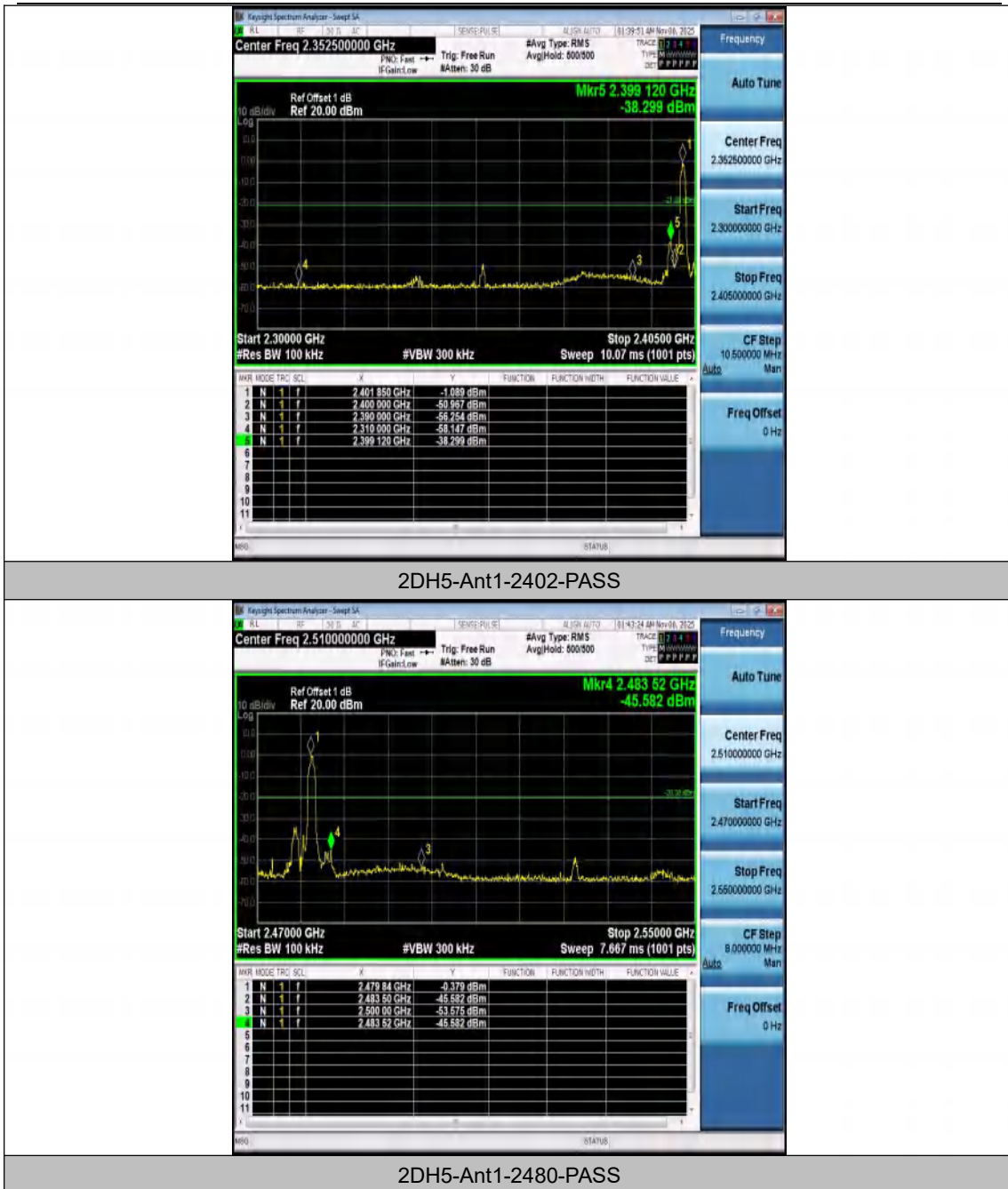


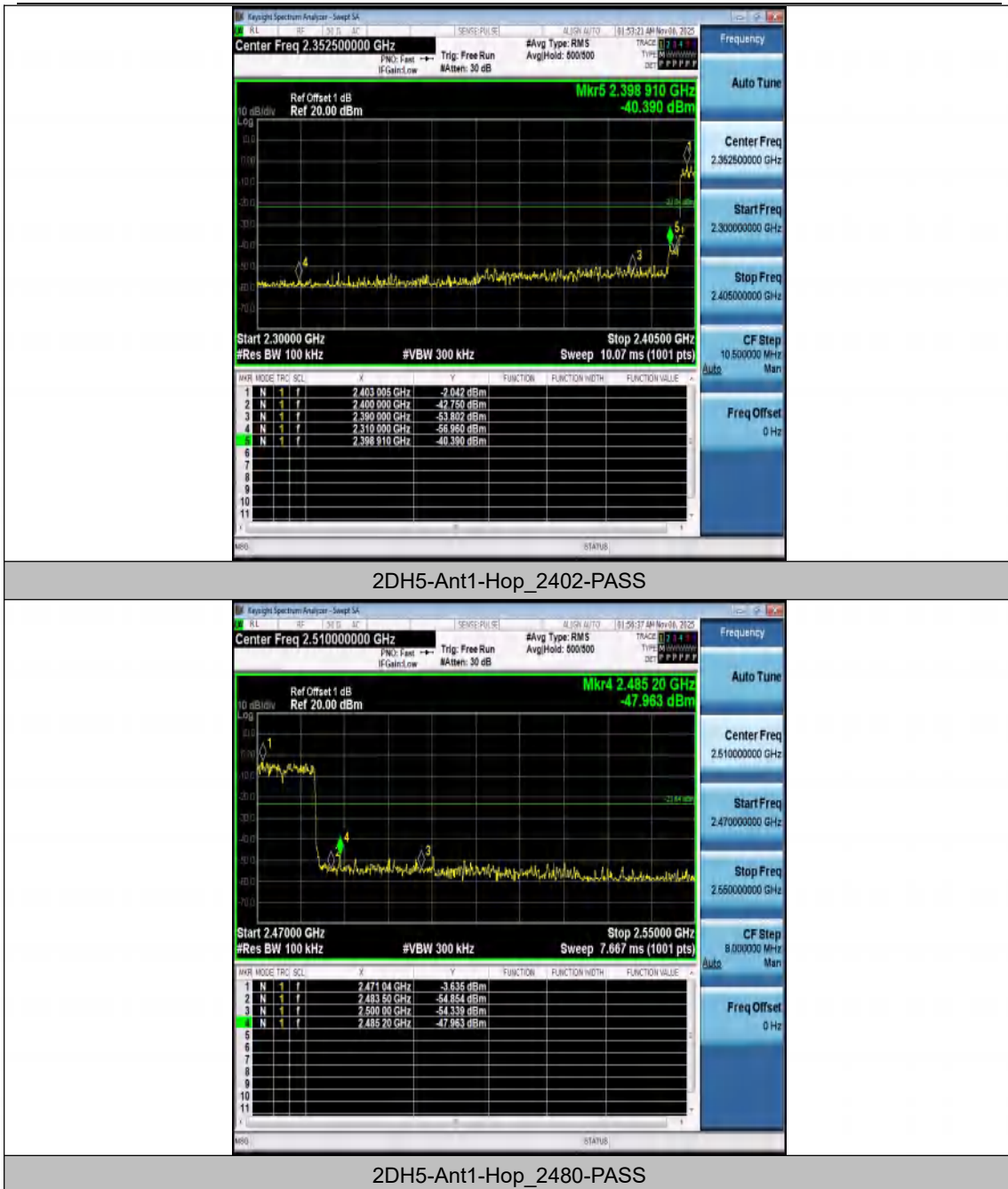
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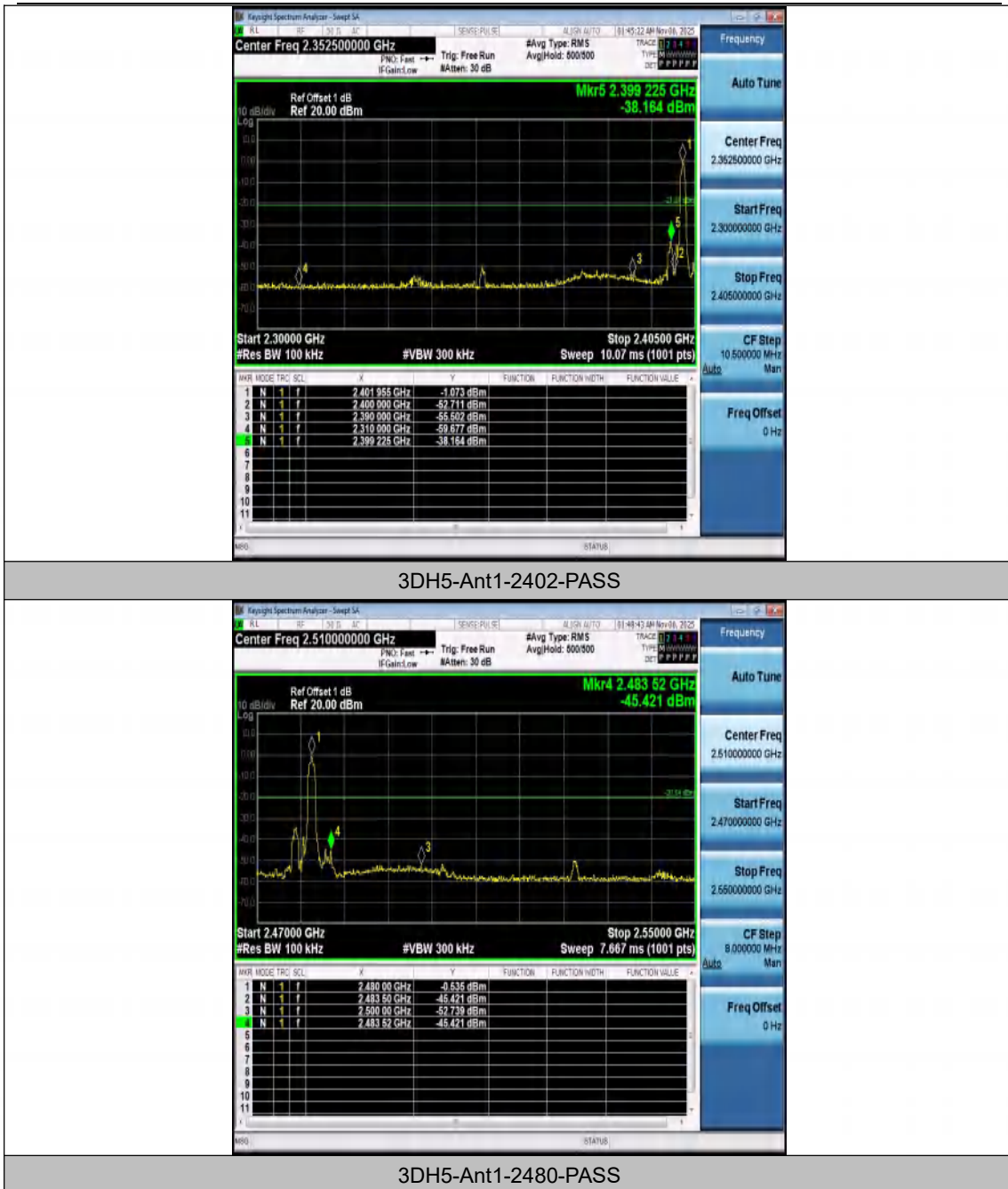


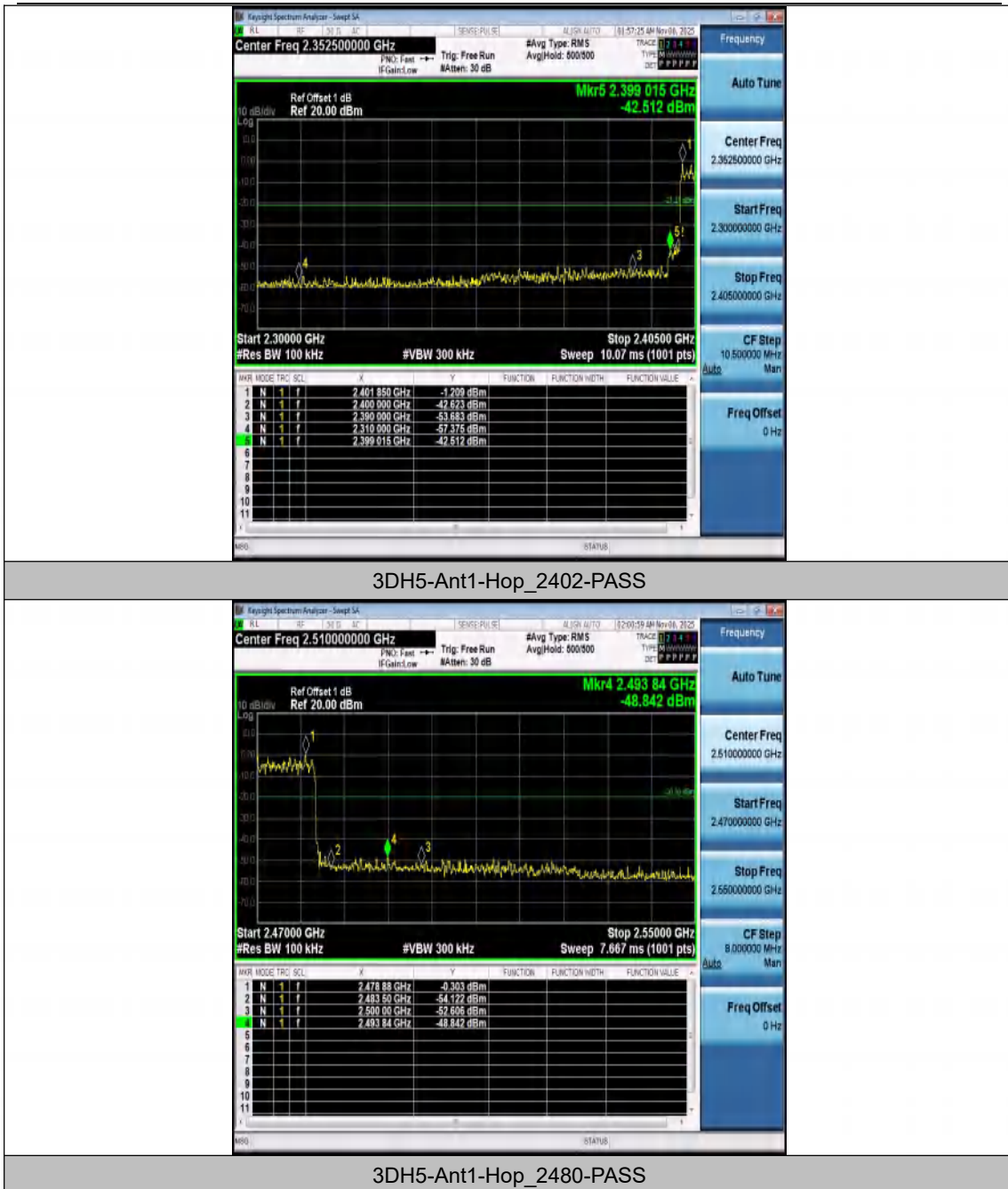


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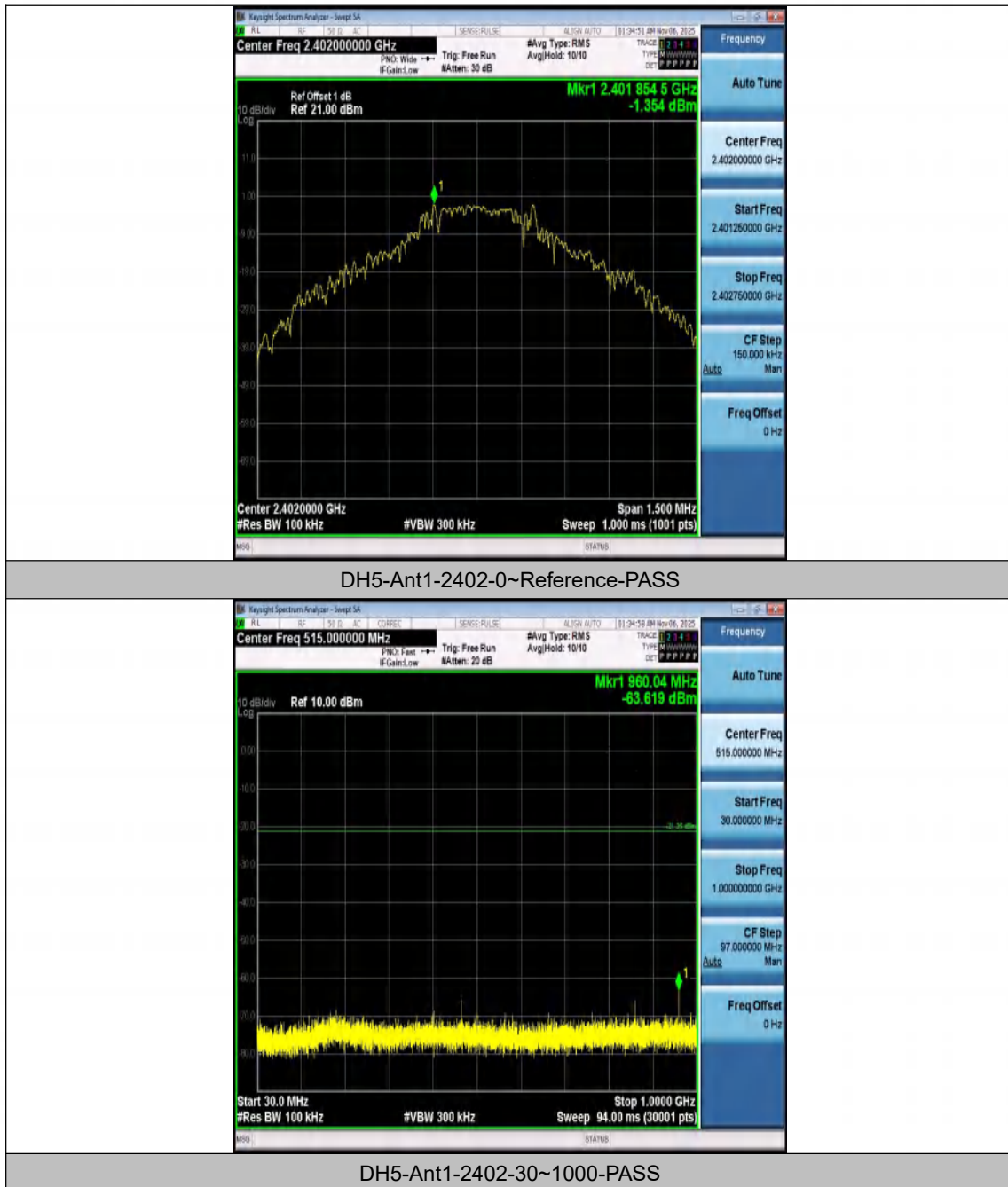
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.35	-1.35	---	PASS
DH5	Ant1	2402	30~1000	-1.35	-63.62	≤-21.35	PASS
DH5	Ant1	2402	1000~26500	-1.35	-41.21	≤-21.35	PASS
DH5	Ant1	2441	0~Reference	-0.99	-0.99	---	PASS
DH5	Ant1	2441	30~1000	-0.99	-63.27	≤-20.99	PASS
DH5	Ant1	2441	1000~26500	-0.99	-45.55	≤-20.99	PASS
DH5	Ant1	2480	0~Reference	-1.08	-1.08	---	PASS
DH5	Ant1	2480	30~1000	-1.08	-63.55	≤-21.08	PASS
DH5	Ant1	2480	1000~26500	-1.08	-49.73	≤-21.08	PASS
2DH5	Ant1	2402	0~Reference	-5.05	-5.05	---	PASS
2DH5	Ant1	2402	30~1000	-5.05	-64.35	≤-25.05	PASS
2DH5	Ant1	2402	1000~26500	-5.05	-44.29	≤-25.05	PASS
2DH5	Ant1	2441	0~Reference	-2.06	-2.06	---	PASS
2DH5	Ant1	2441	30~1000	-2.06	-63.94	≤-22.06	PASS
2DH5	Ant1	2441	1000~26500	-2.06	-46.67	≤-22.06	PASS
2DH5	Ant1	2480	0~Reference	-0.84	-0.84	---	PASS
2DH5	Ant1	2480	30~1000	-0.84	-63.06	≤-20.84	PASS
2DH5	Ant1	2480	1000~26500	-0.84	-48.02	≤-20.84	PASS
3DH5	Ant1	2402	0~Reference	-4.69	-4.69	---	PASS
3DH5	Ant1	2402	30~1000	-4.69	-64.3	≤-24.69	PASS
3DH5	Ant1	2402	1000~26500	-4.69	-38.74	≤-24.69	PASS
3DH5	Ant1	2441	0~Reference	-3.03	-3.03	---	PASS
3DH5	Ant1	2441	30~1000	-3.03	-63.57	≤-23.03	PASS
3DH5	Ant1	2441	1000~26500	-3.03	-46.72	≤-23.03	PASS
3DH5	Ant1	2480	0~Reference	-3.99	-3.99	---	PASS
3DH5	Ant1	2480	30~1000	-3.99	-55.32	≤-23.99	PASS
3DH5	Ant1	2480	1000~26500	-3.99	-49.75	≤-23.99	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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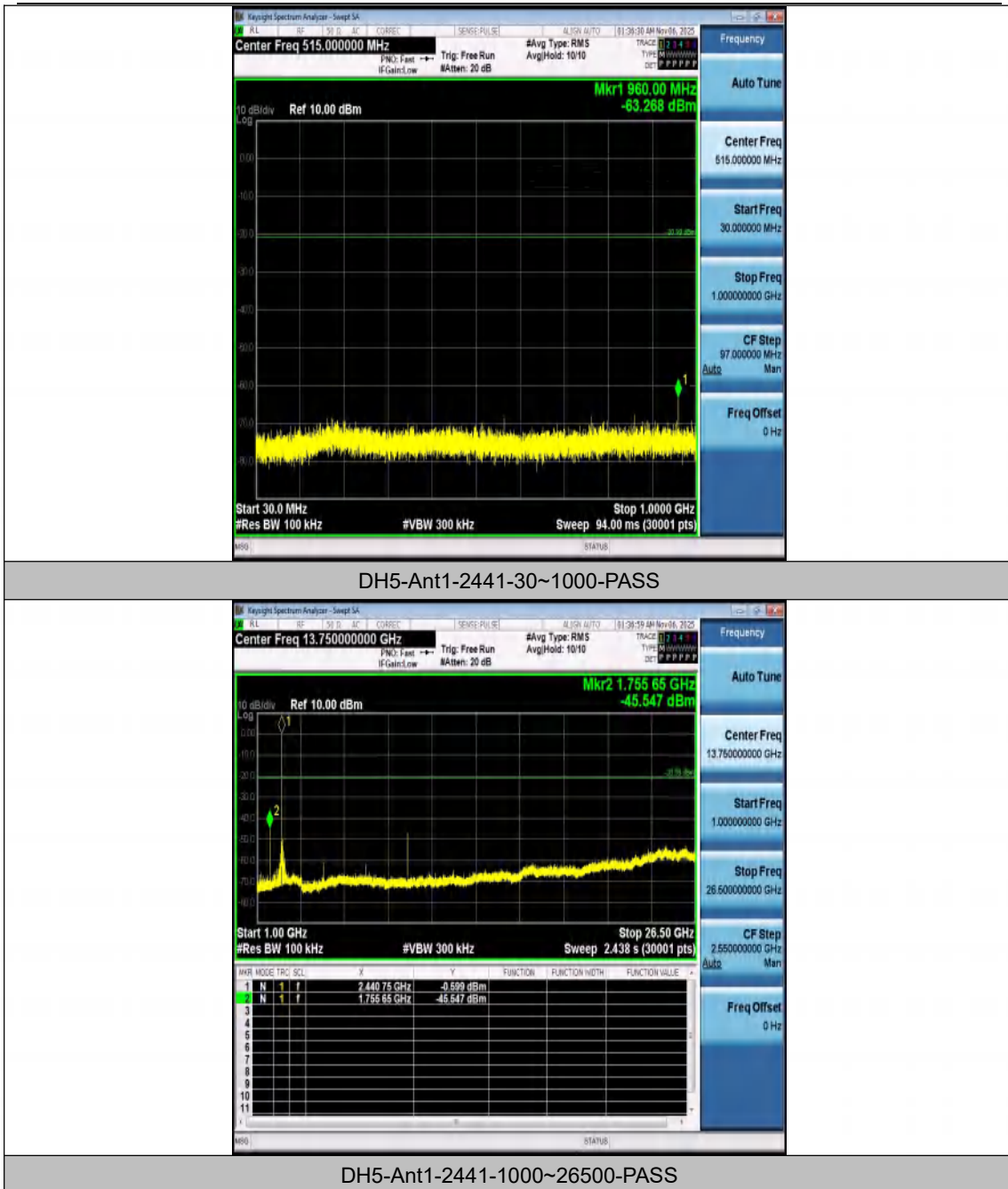
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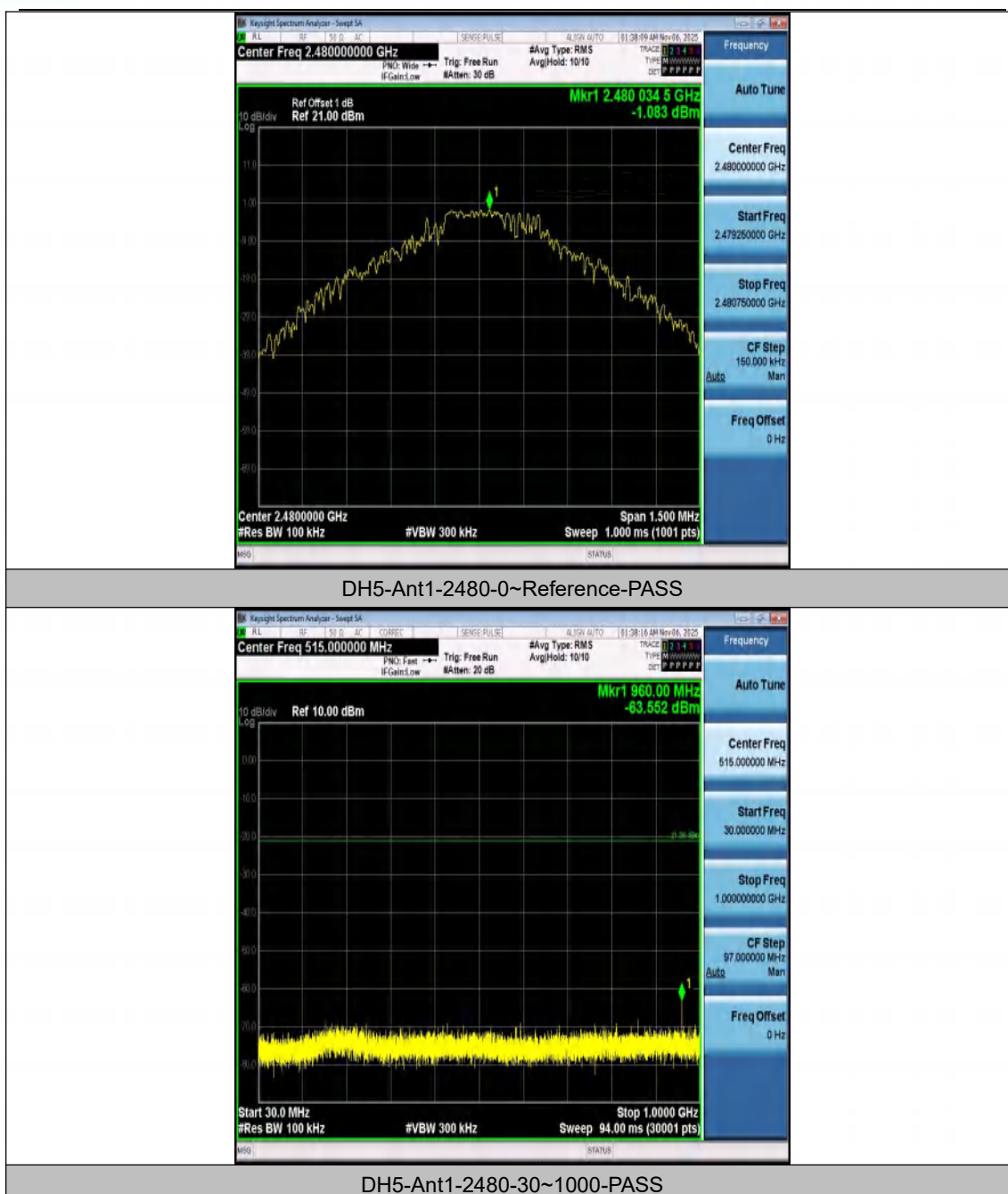
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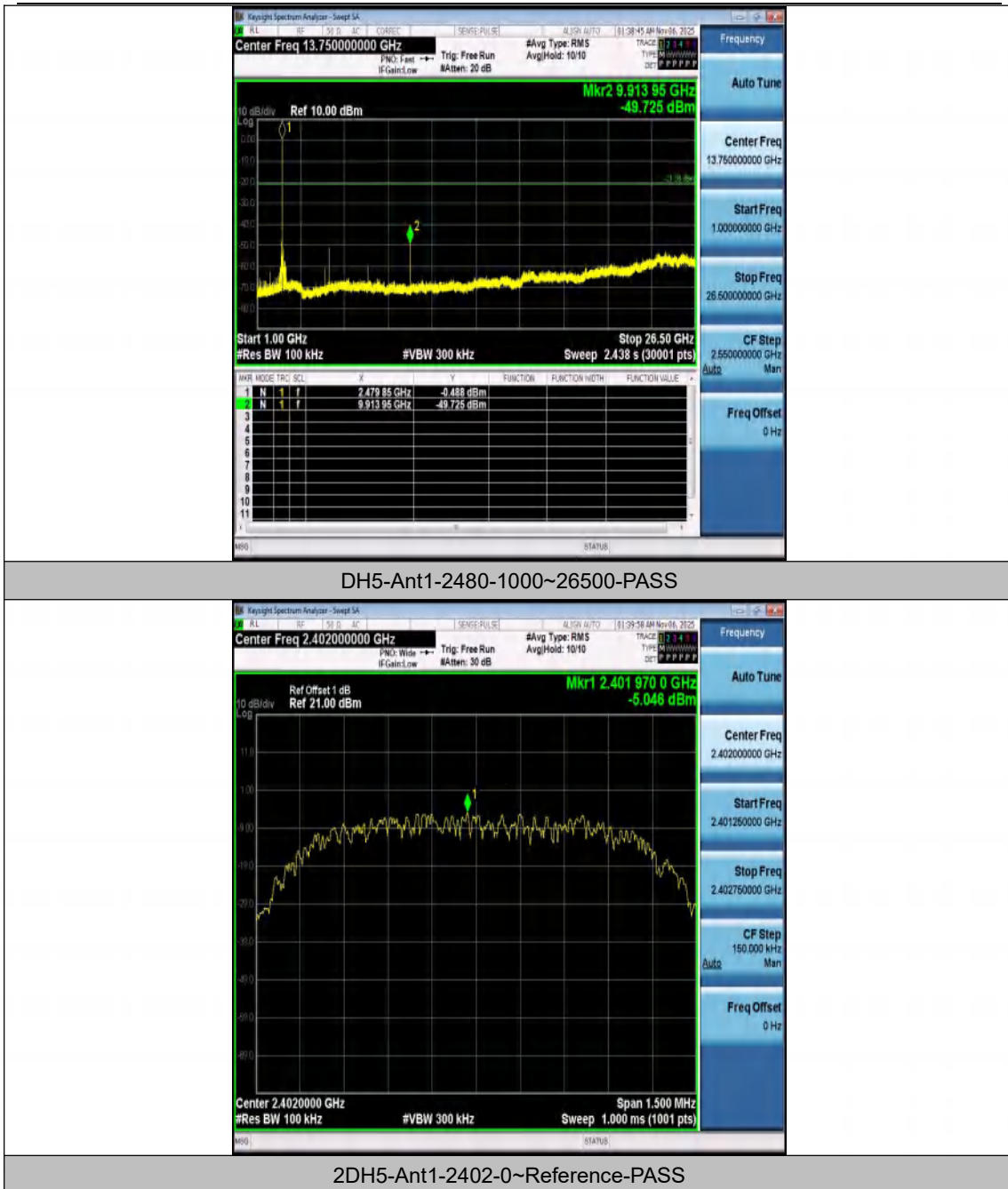
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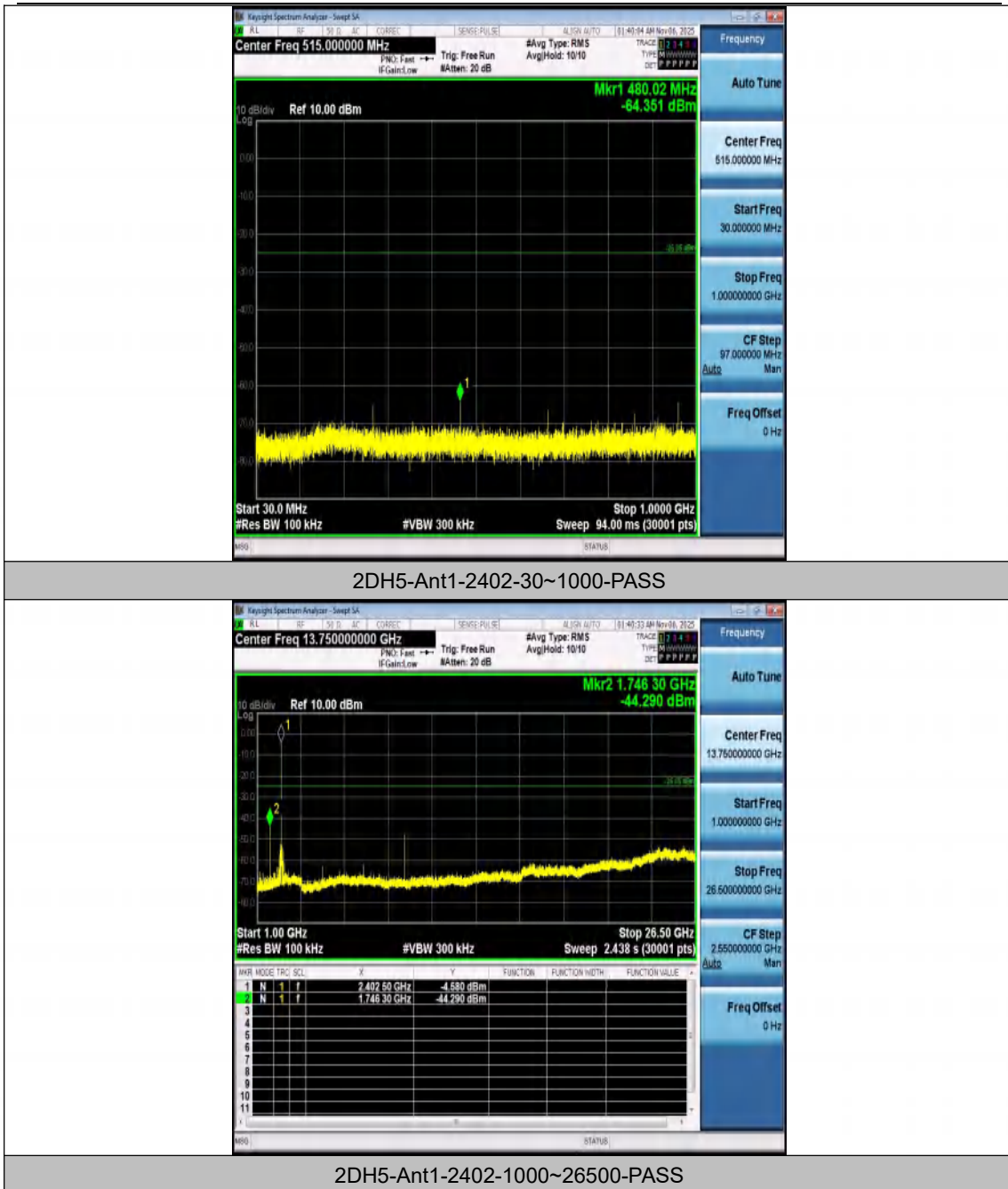
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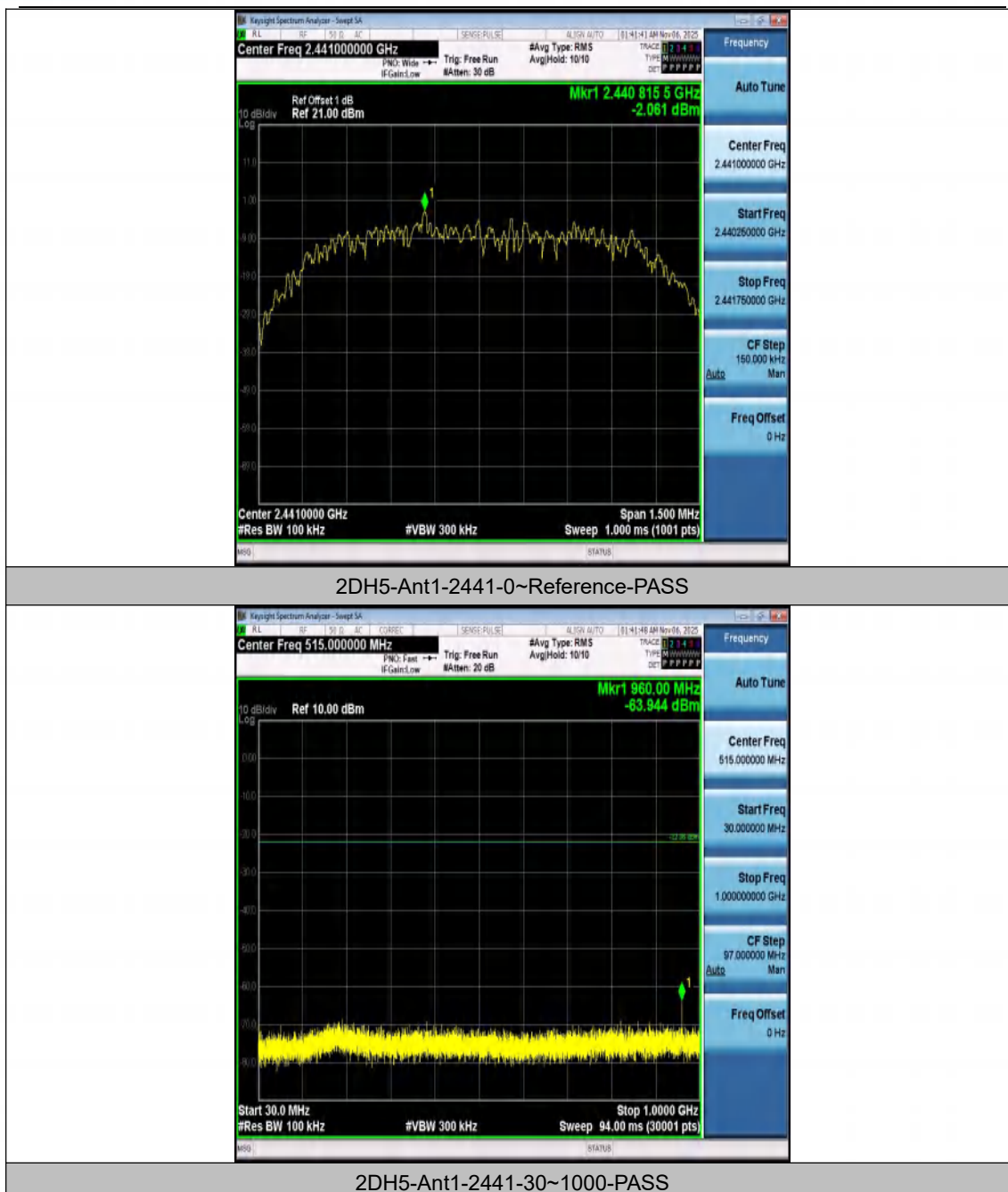
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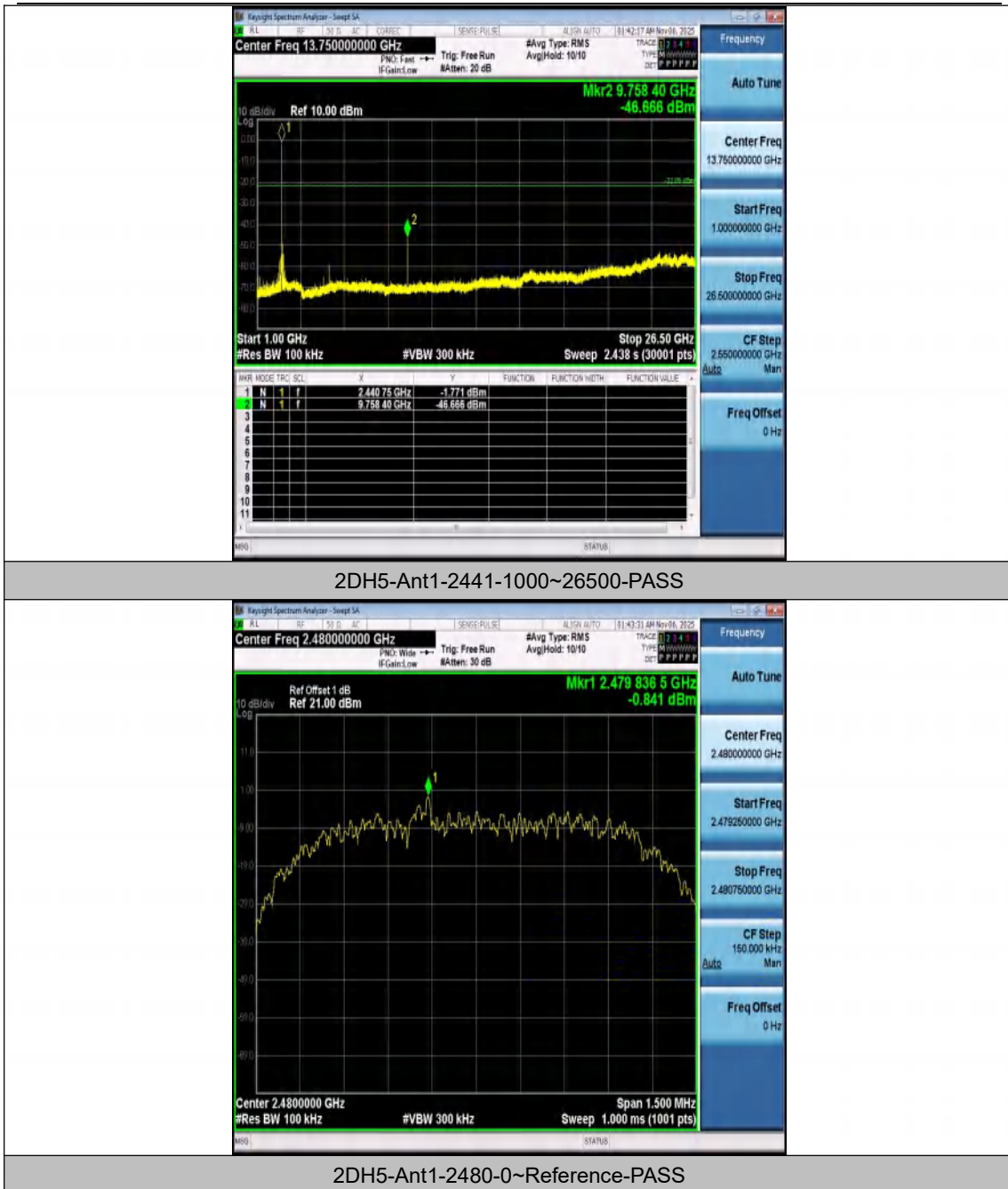
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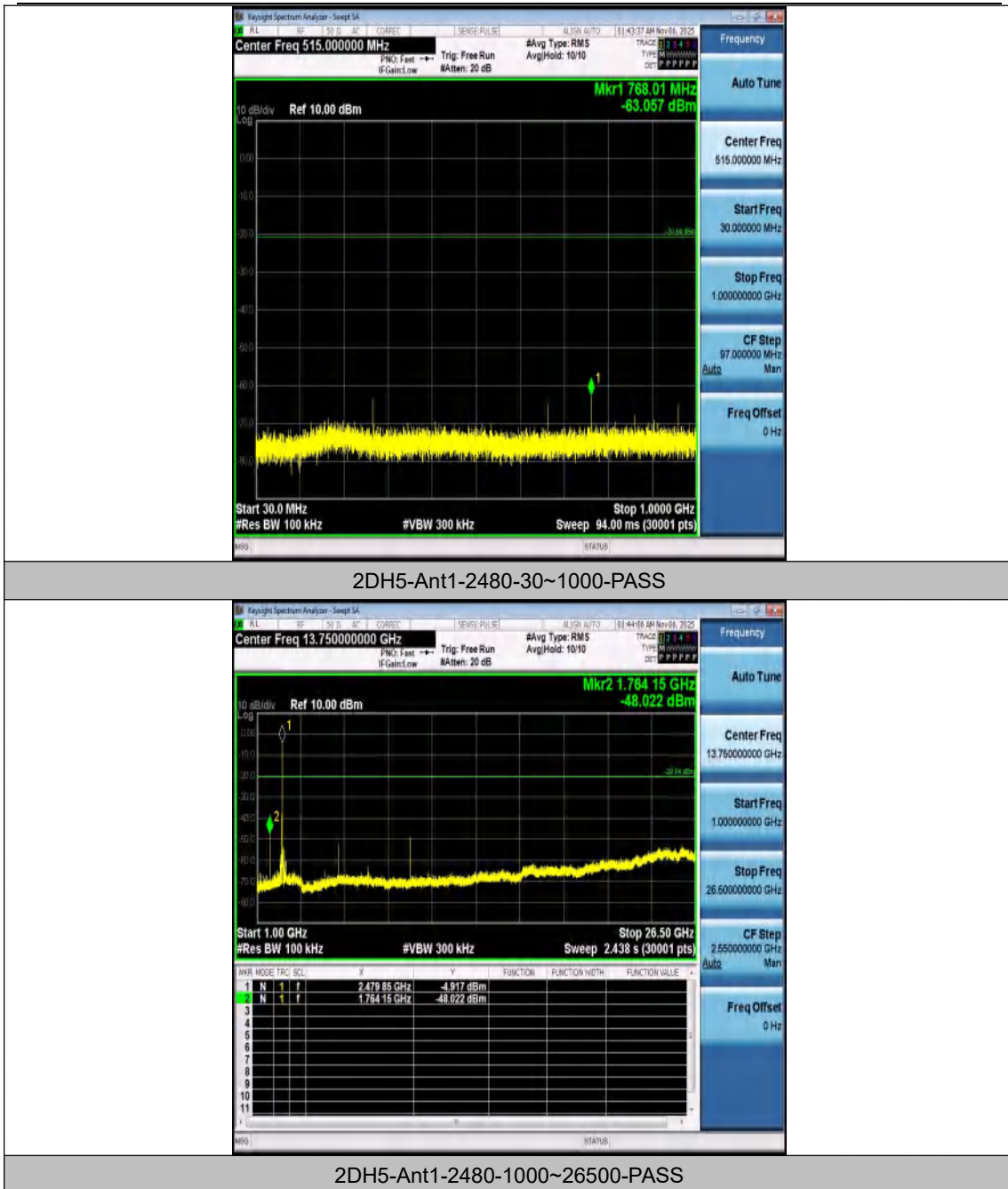
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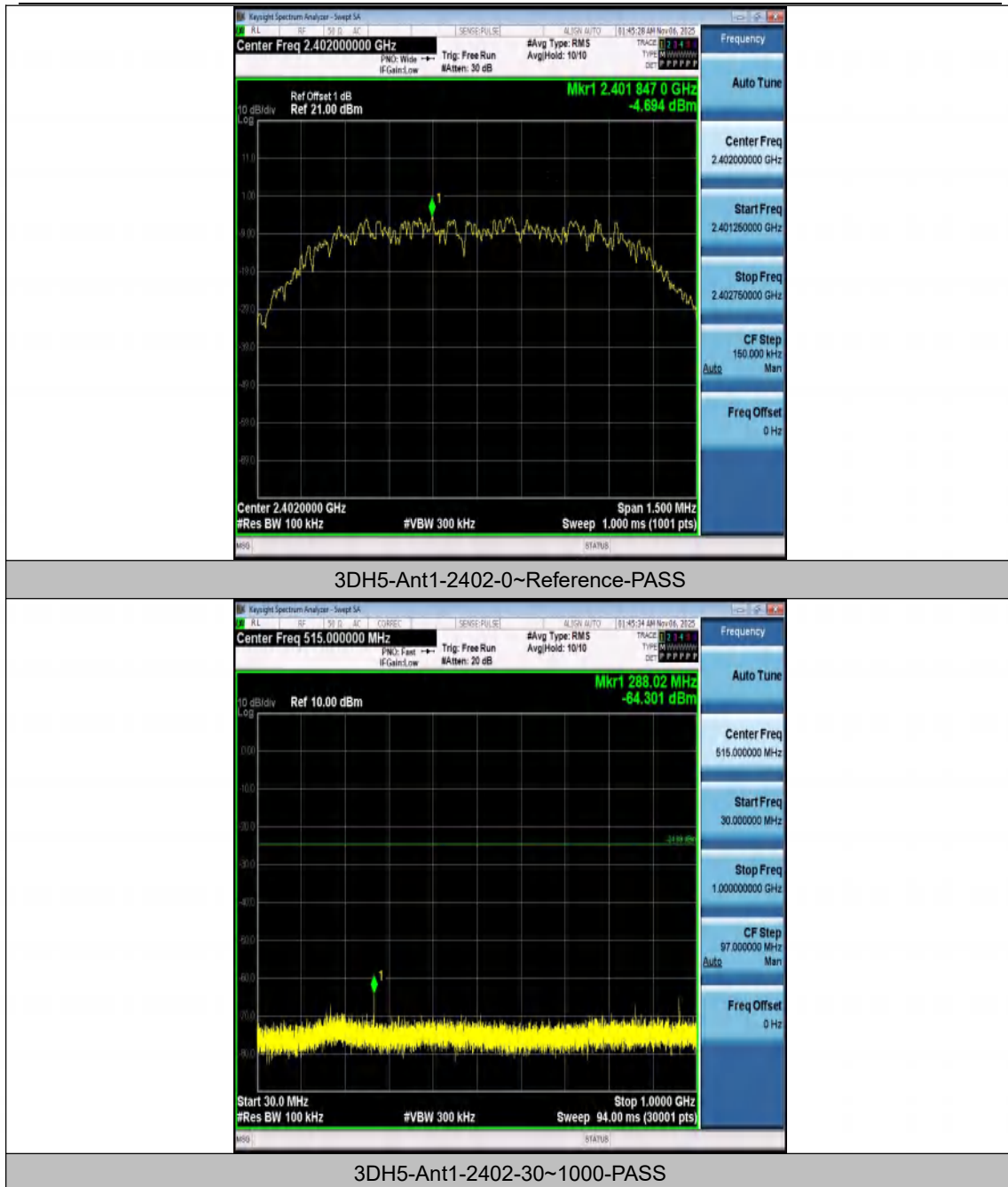
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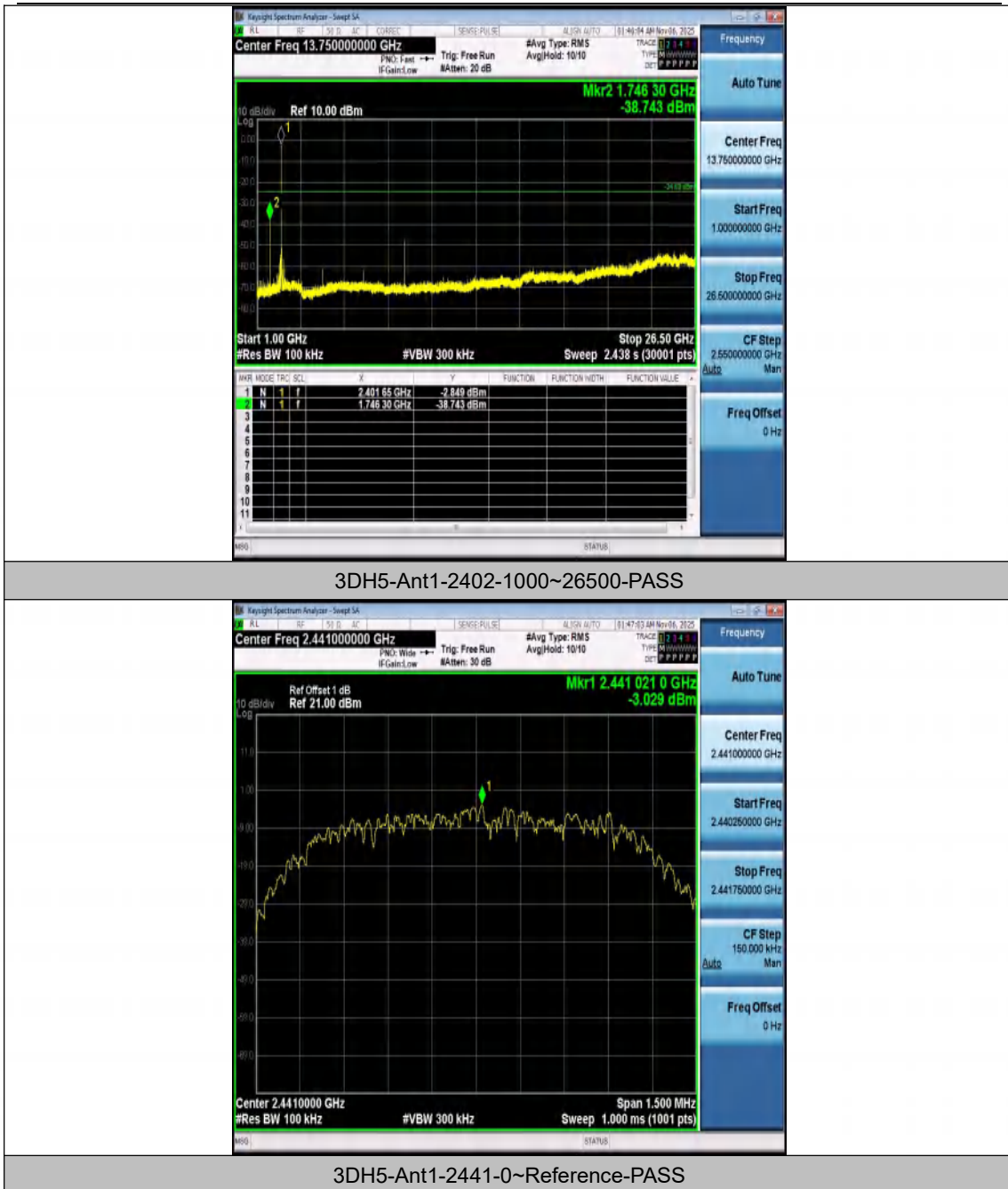
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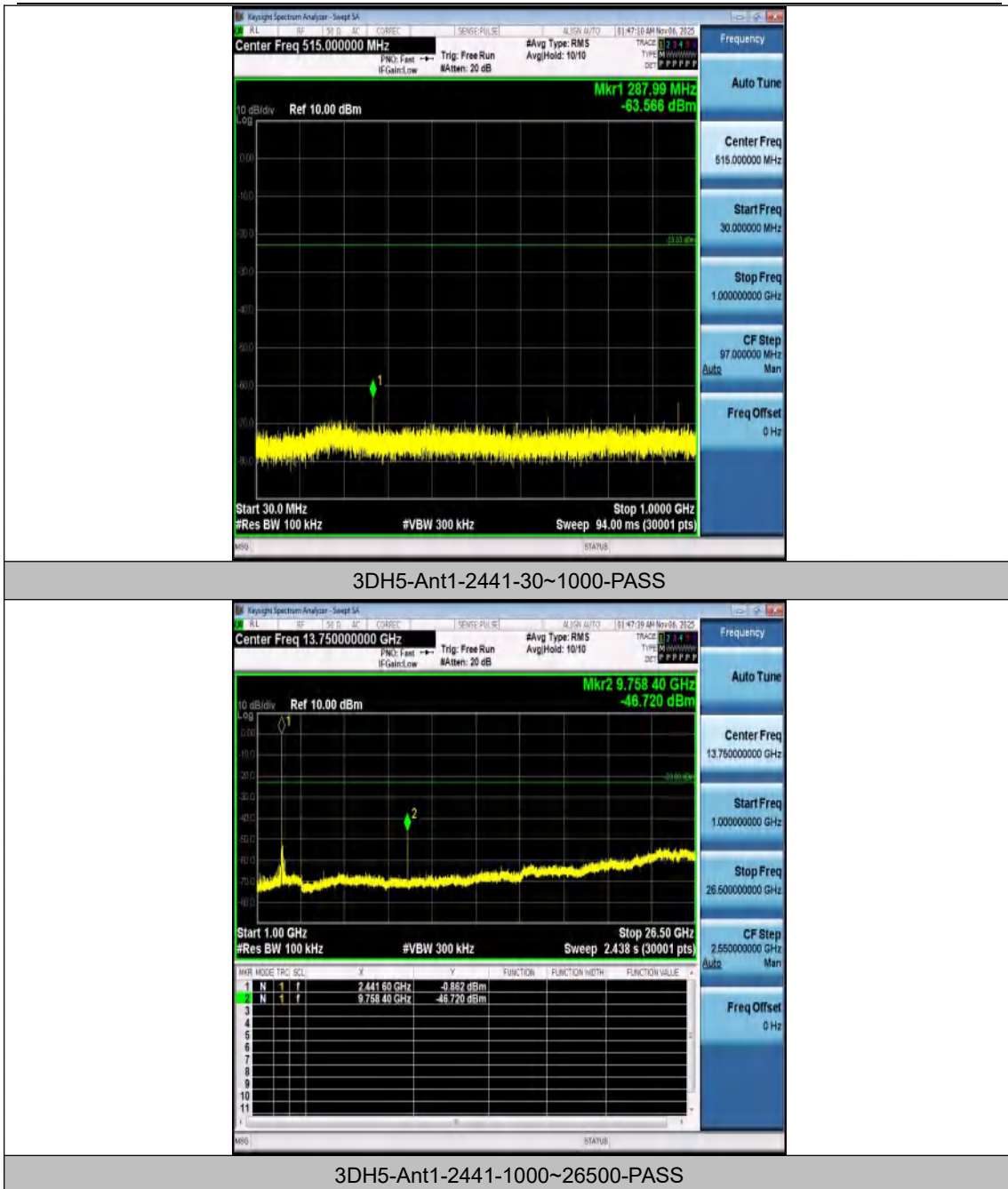
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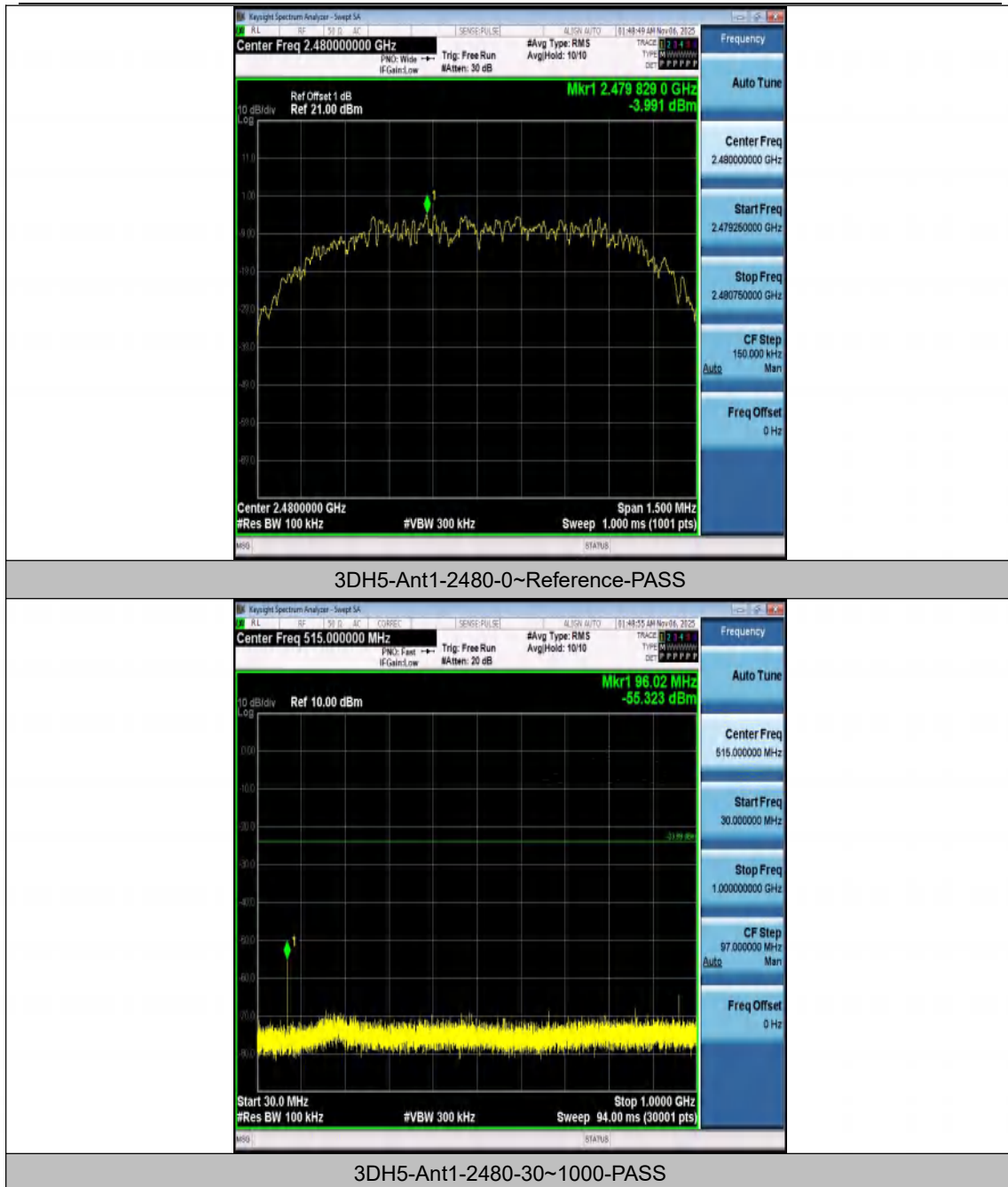
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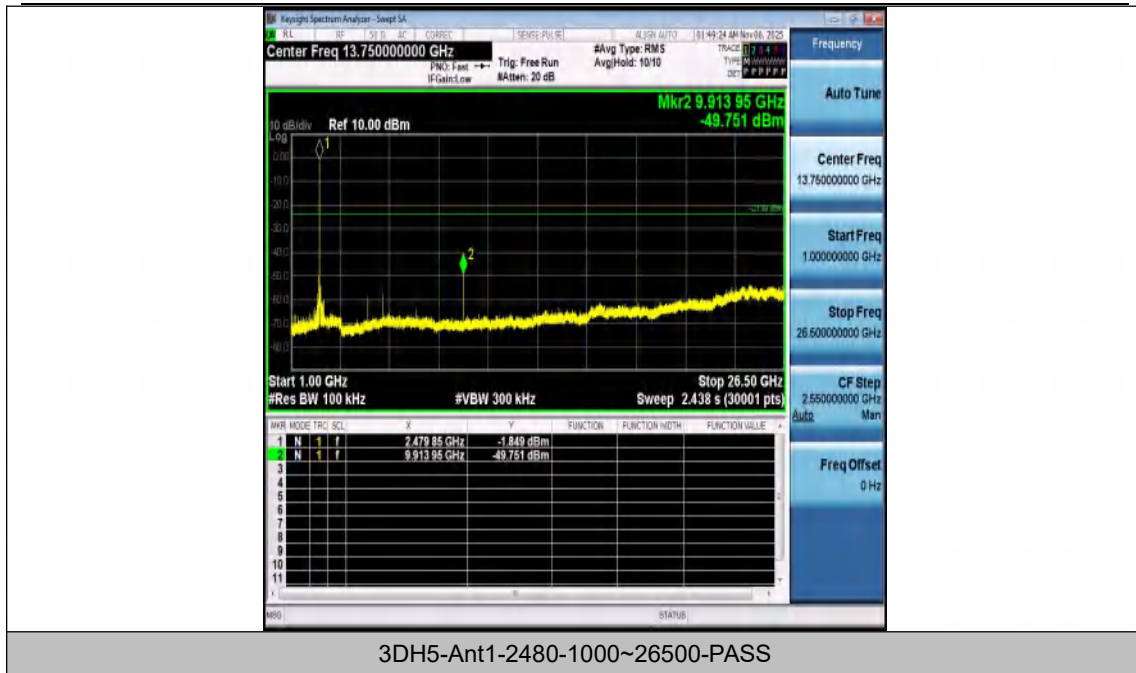
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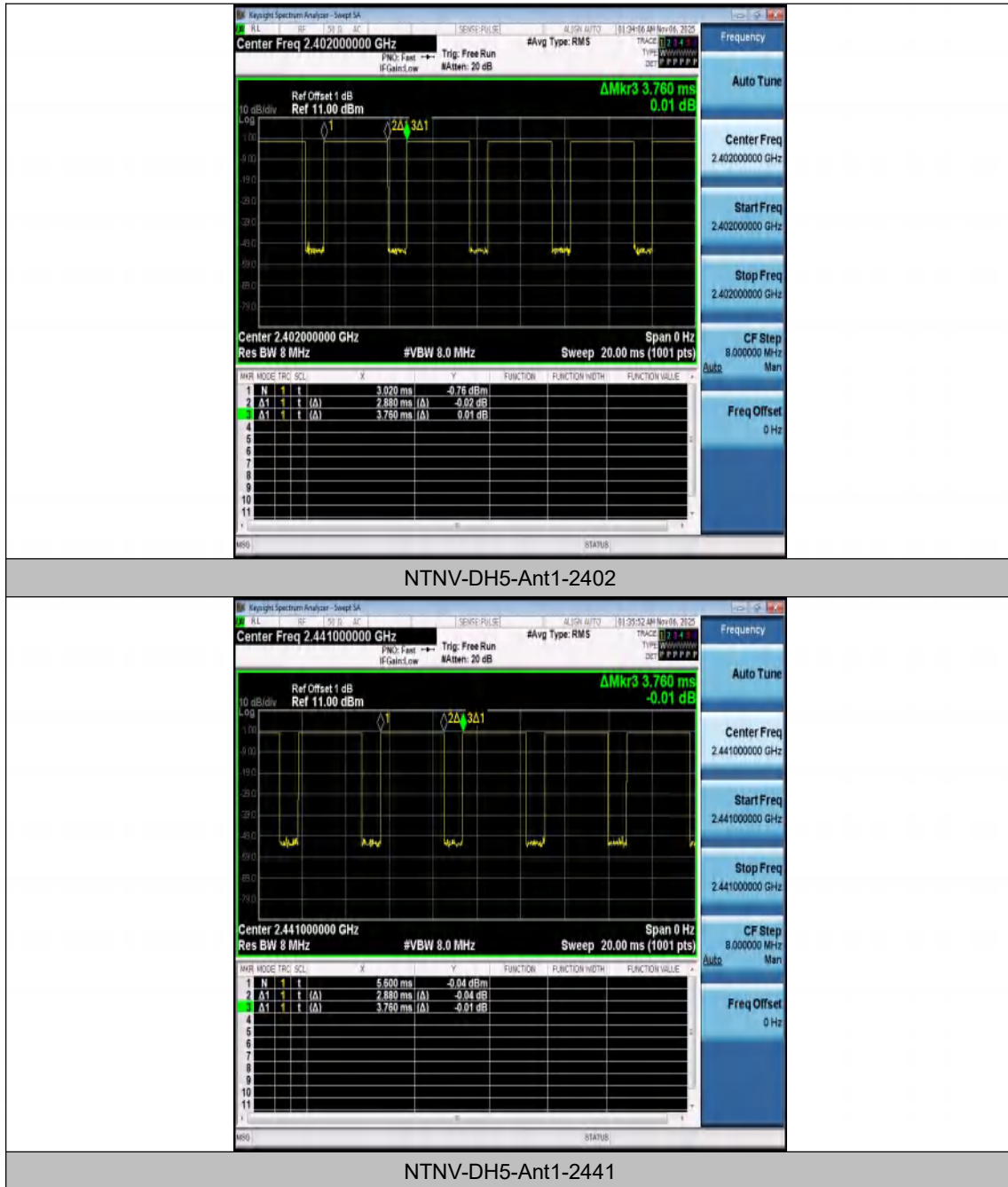
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Appendix I: Duty Cycle

Test Result

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

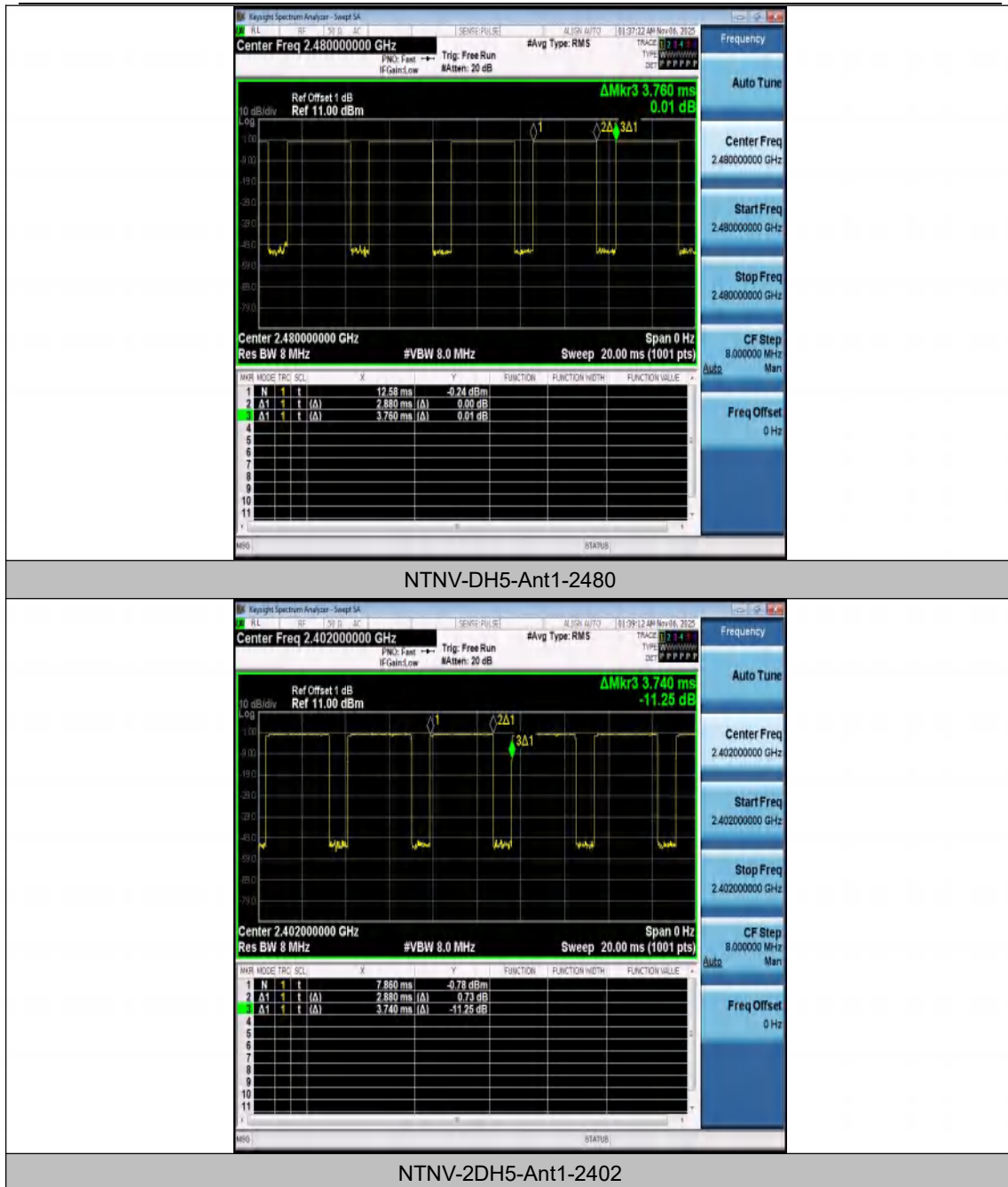
Test Graphs

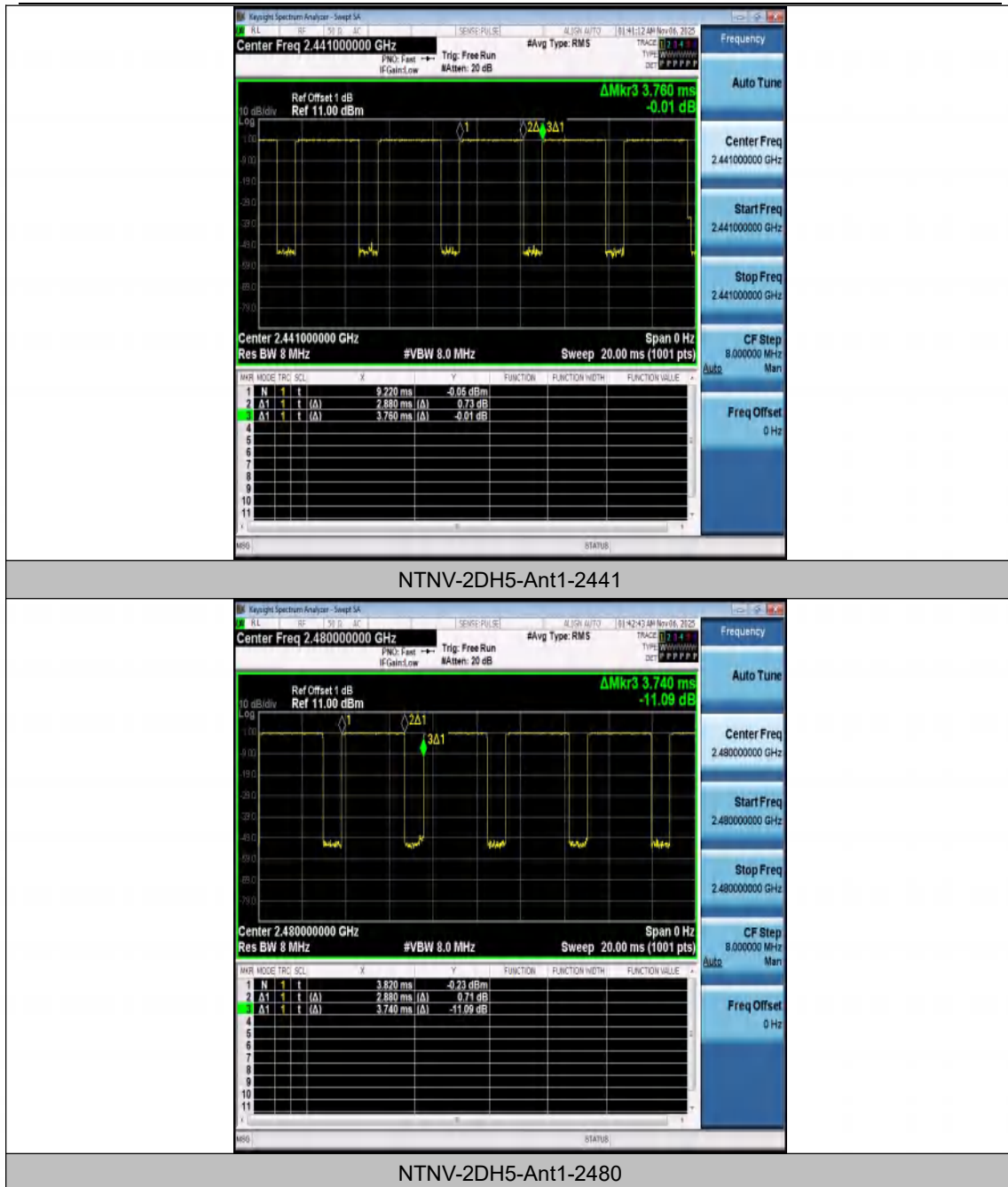


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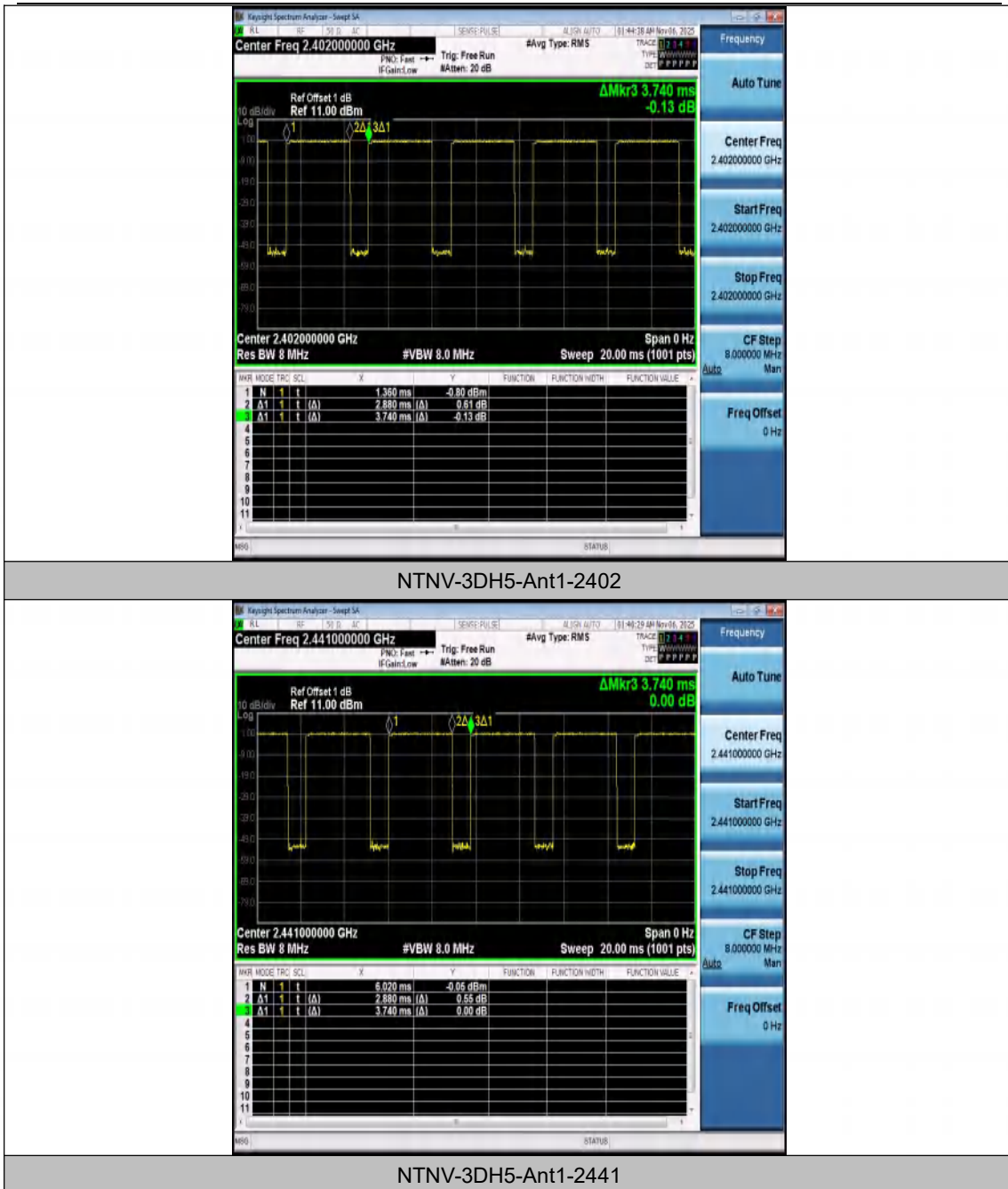




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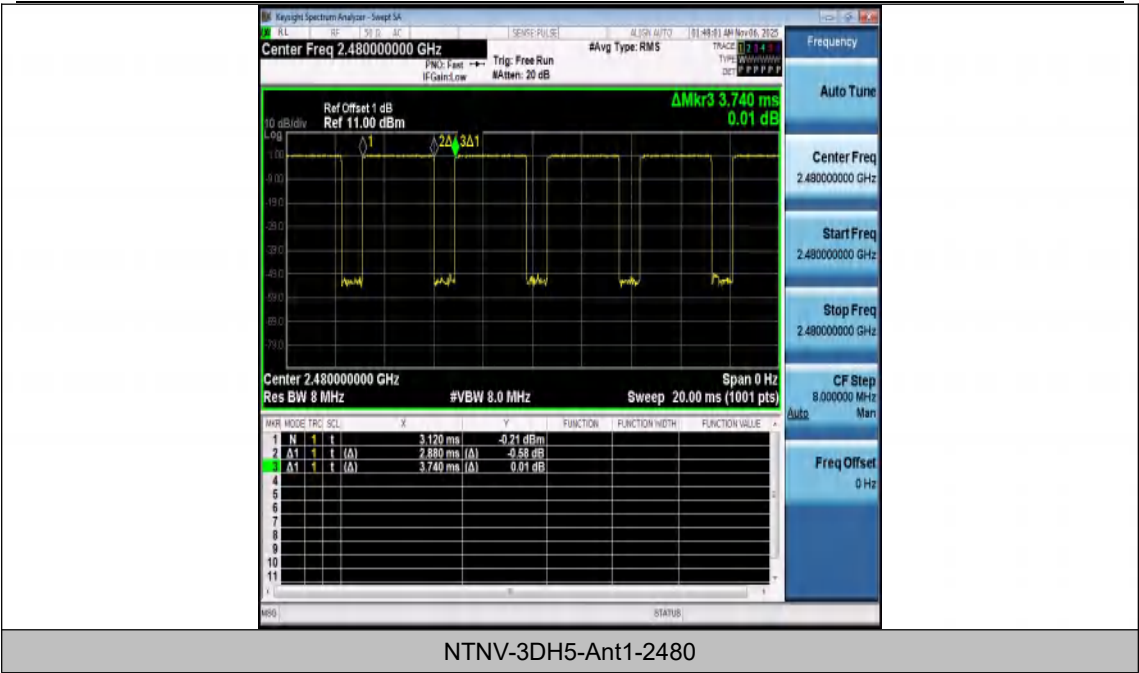
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NTNV-3DH5-Ant1-2480

---End---