

Appendix Test Data

Report No.:	1819C50111712501	Test Sample No.:	1-2-2
Start Test Date:	2025-10-15	Finish Test Date:	2025-10-15
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.6°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	0.957	2401.586	2402.543	---	---
DH5	Ant1	2441	0.960	2440.583	2441.543	---	---
DH5	Ant1	2480	0.957	2479.589	2480.546	---	---
2DH5	Ant1	2402	1.365	2401.370	2402.735	---	---
2DH5	Ant1	2441	1.290	2440.418	2441.708	---	---
2DH5	Ant1	2480	1.347	2479.385	2480.732	---	---
3DH5	Ant1	2402	1.278	2401.421	2402.699	---	---
3DH5	Ant1	2441	1.320	2440.400	2441.720	---	---
3DH5	Ant1	2480	1.308	2479.403	2480.711	---	---

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	0.87495	2401.6133	2402.4883	---	---
DH5	Ant1	2441	0.86448	2440.6165	2441.4810	---	---
DH5	Ant1	2480	0.88519	2479.6131	2480.4983	---	---
2DH5	Ant1	2402	1.1801	2401.4624	2402.6425	---	---
2DH5	Ant1	2441	1.1959	2440.4621	2441.6580	---	---
2DH5	Ant1	2480	1.2185	2479.4492	2480.6677	---	---
3DH5	Ant1	2402	1.1997	2401.4510	2402.6507	---	---
3DH5	Ant1	2441	1.1954	2440.4539	2441.6493	---	---
3DH5	Ant1	2480	1.1950	2479.4545	2480.6495	---	---

Test Graphs



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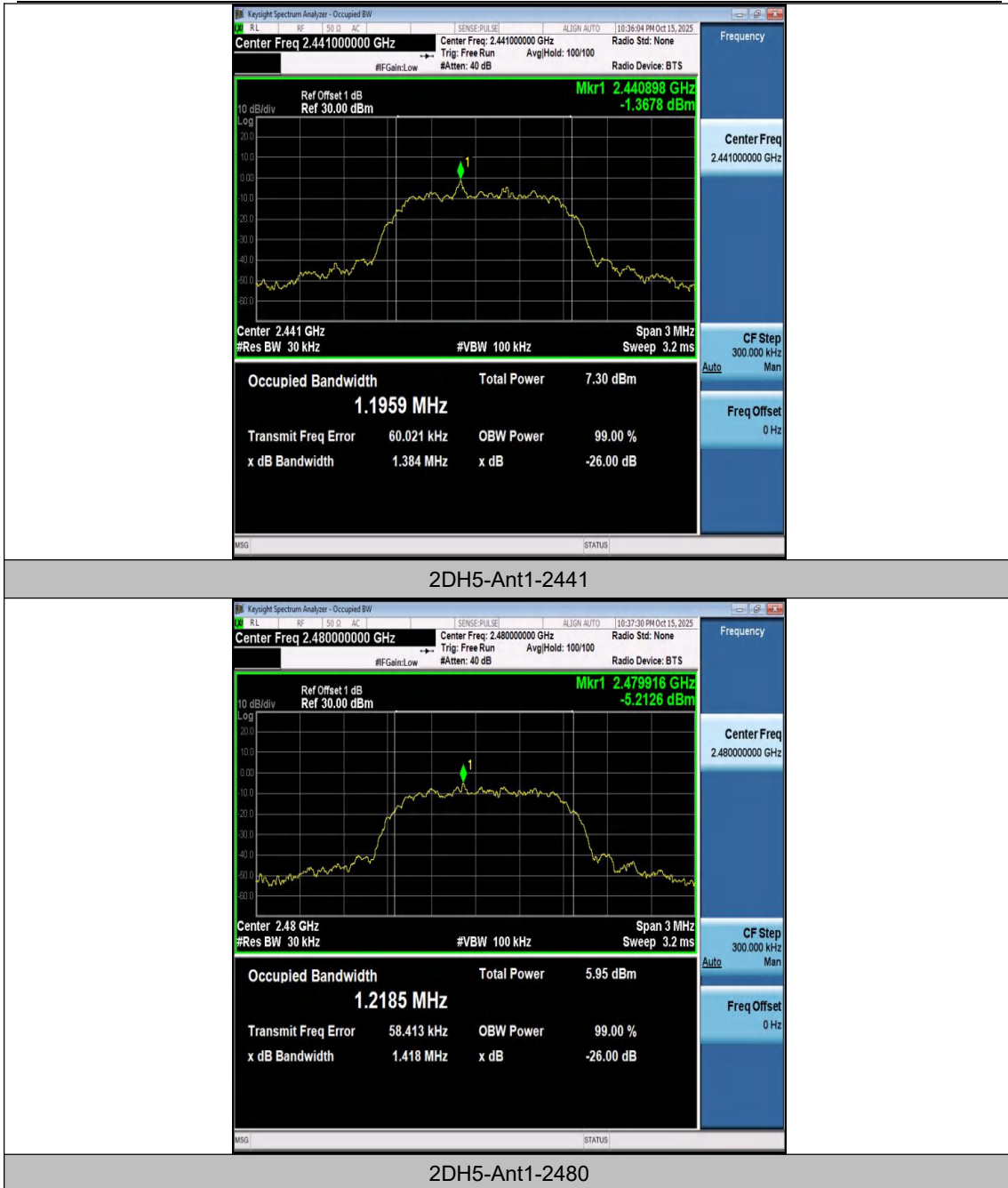
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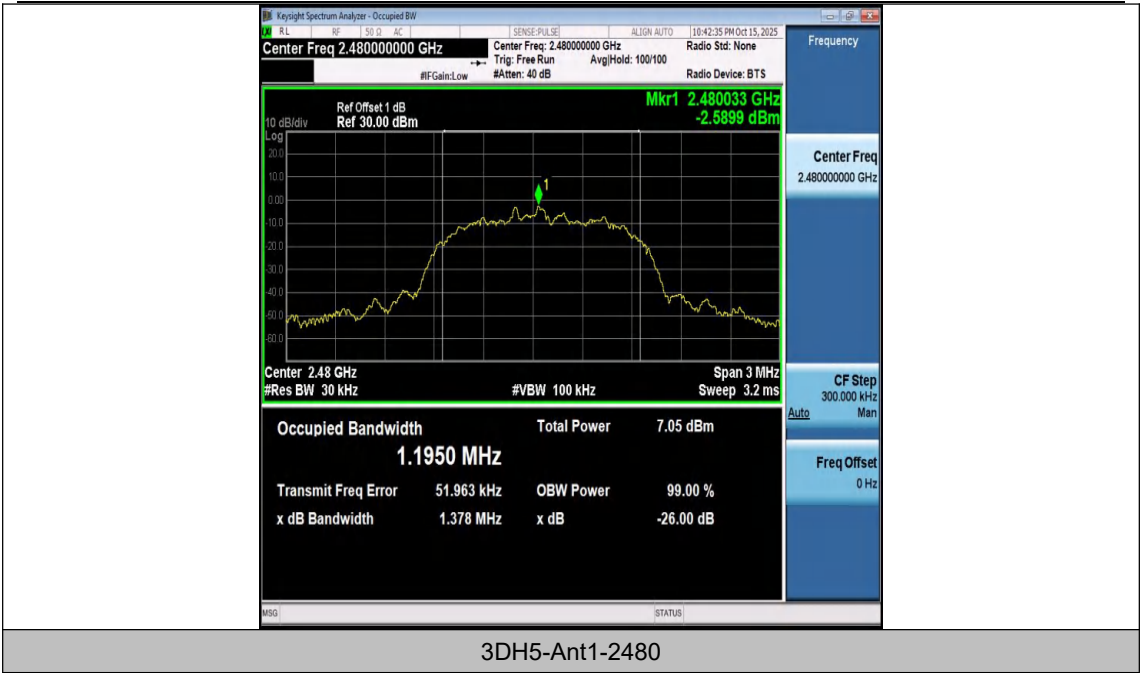


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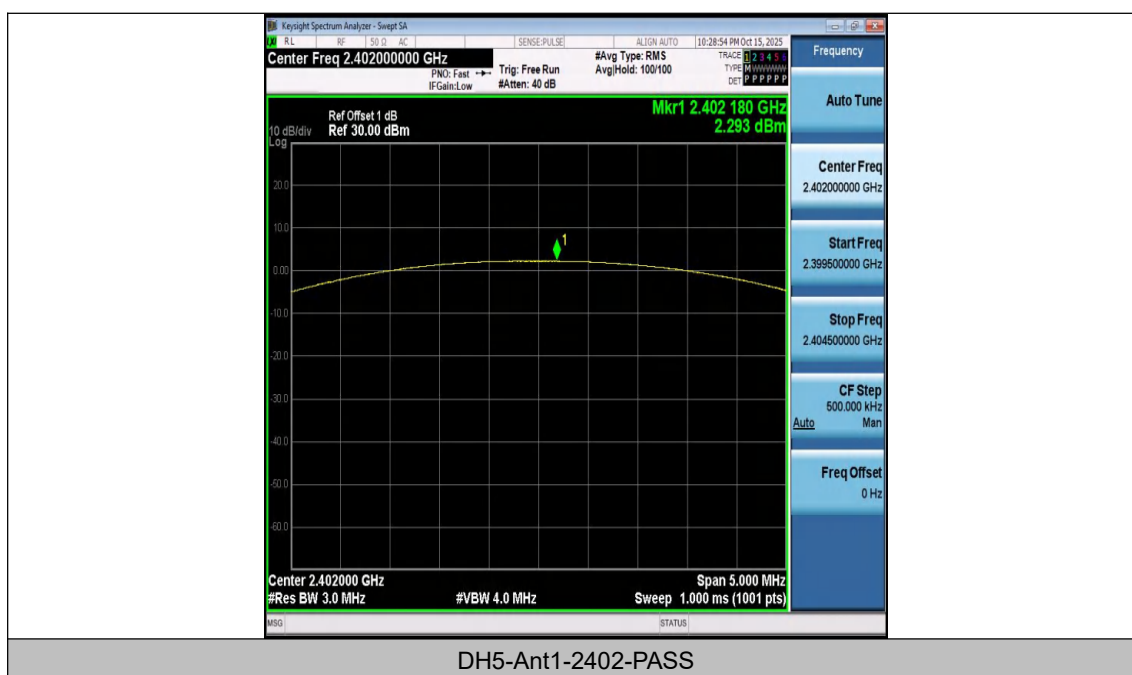
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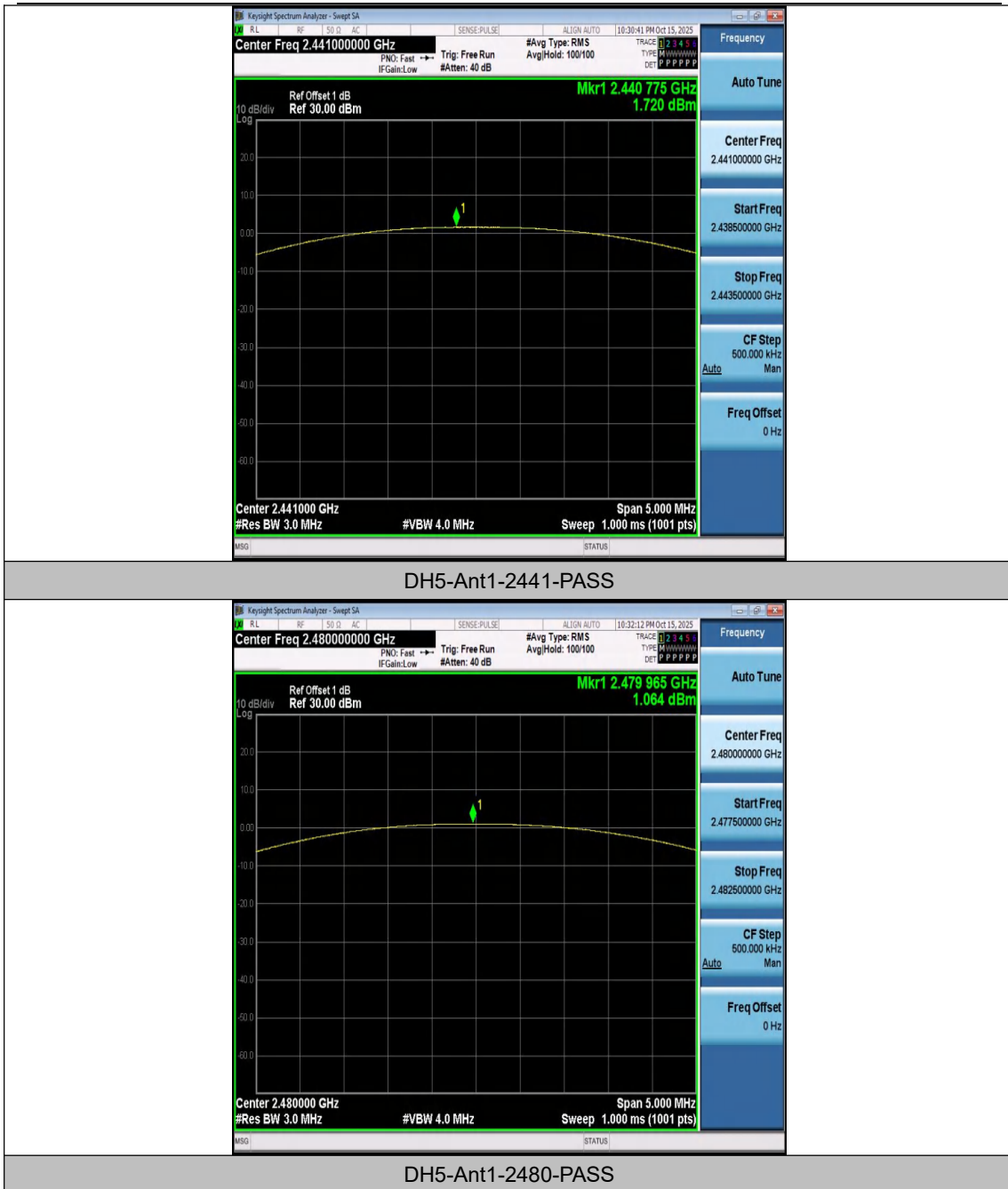
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.29	≤20.97	PASS
DH5	Ant1	2441	1.72	≤20.97	PASS
DH5	Ant1	2480	1.06	≤20.97	PASS
2DH5	Ant1	2402	3.10	≤20.97	PASS
2DH5	Ant1	2441	2.54	≤20.97	PASS
2DH5	Ant1	2480	1.89	≤20.97	PASS
3DH5	Ant1	2402	3.57	≤20.97	PASS
3DH5	Ant1	2441	2.96	≤20.97	PASS
3DH5	Ant1	2480	2.36	≤20.97	PASS

Test Graphs

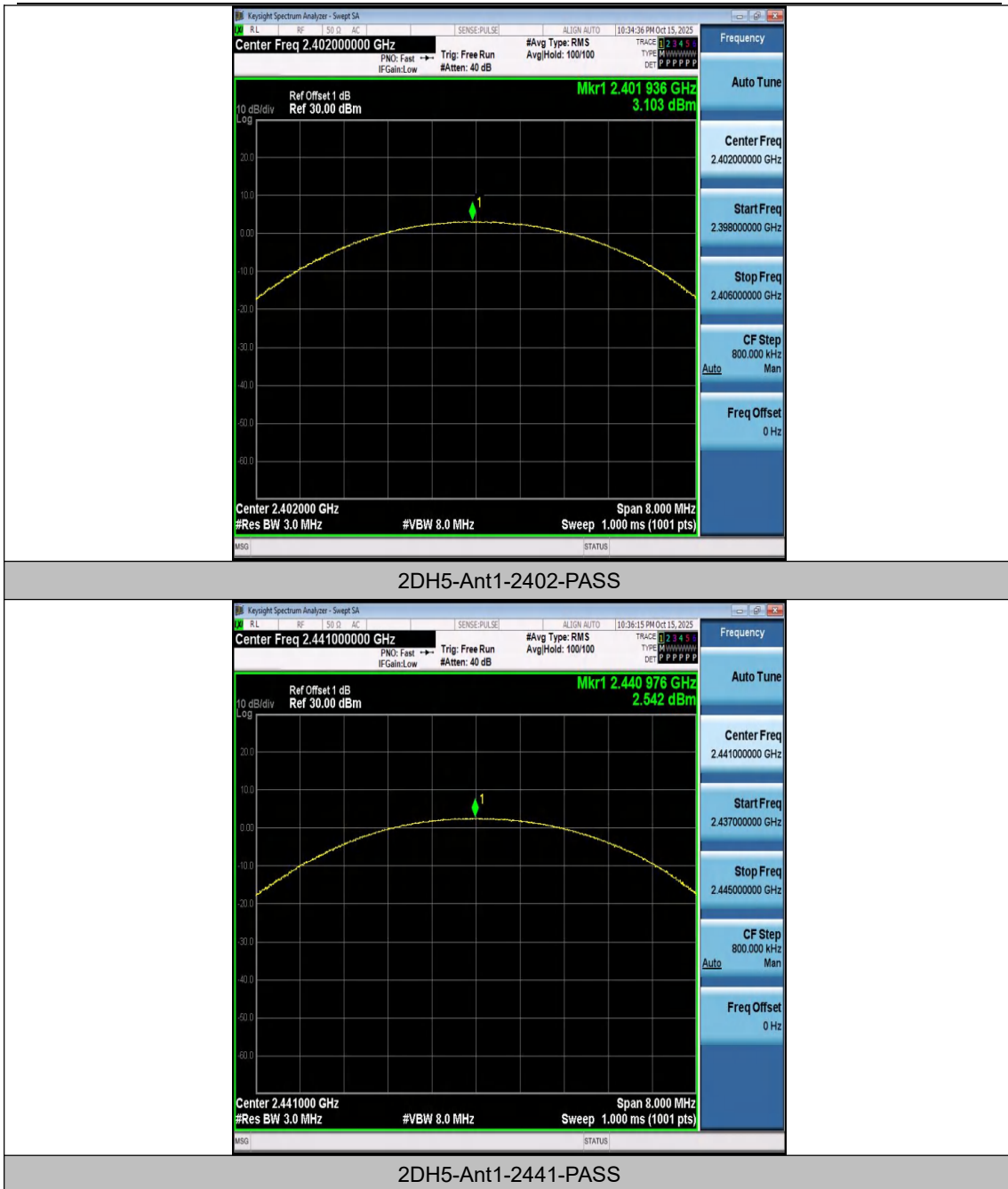




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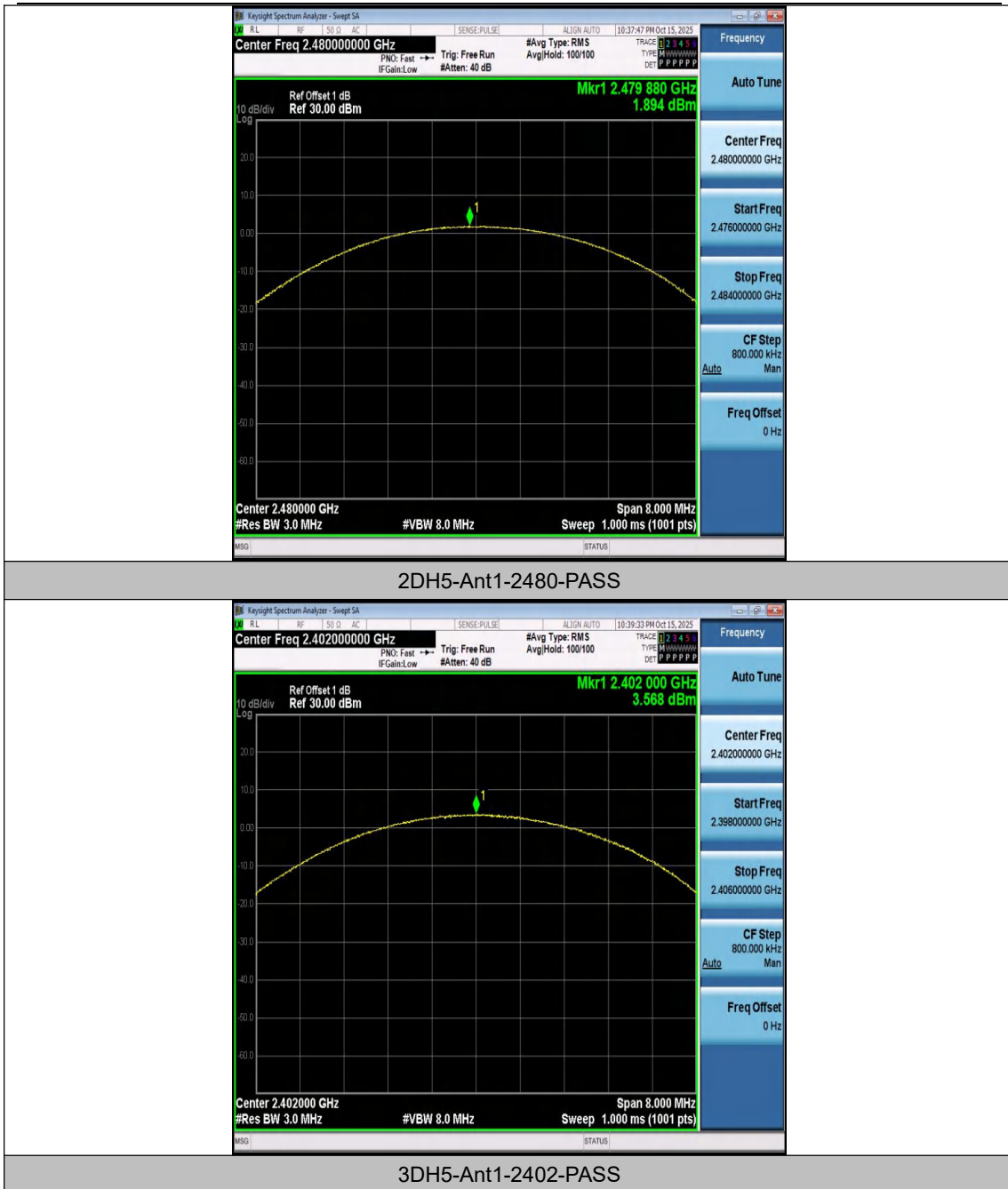
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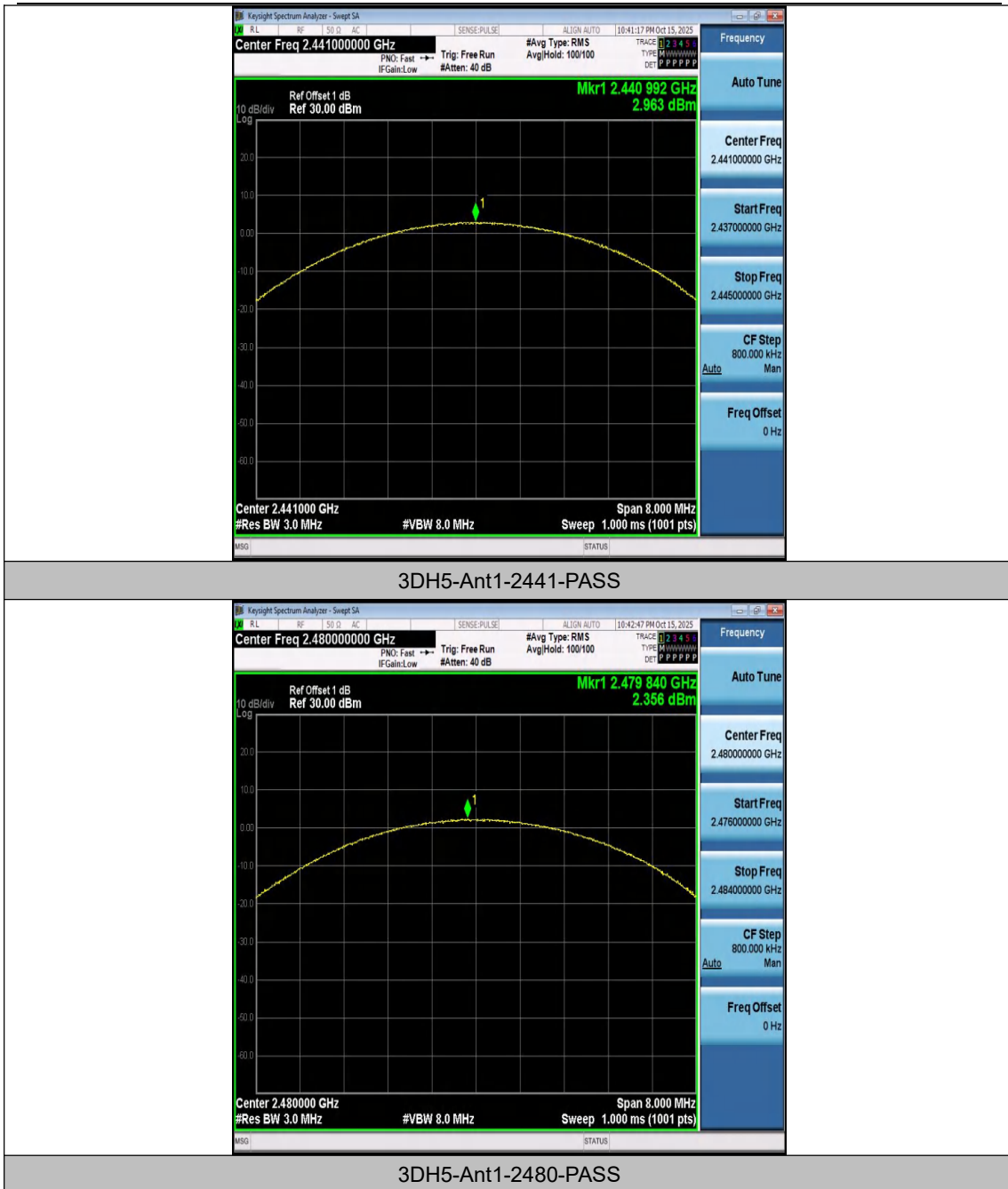
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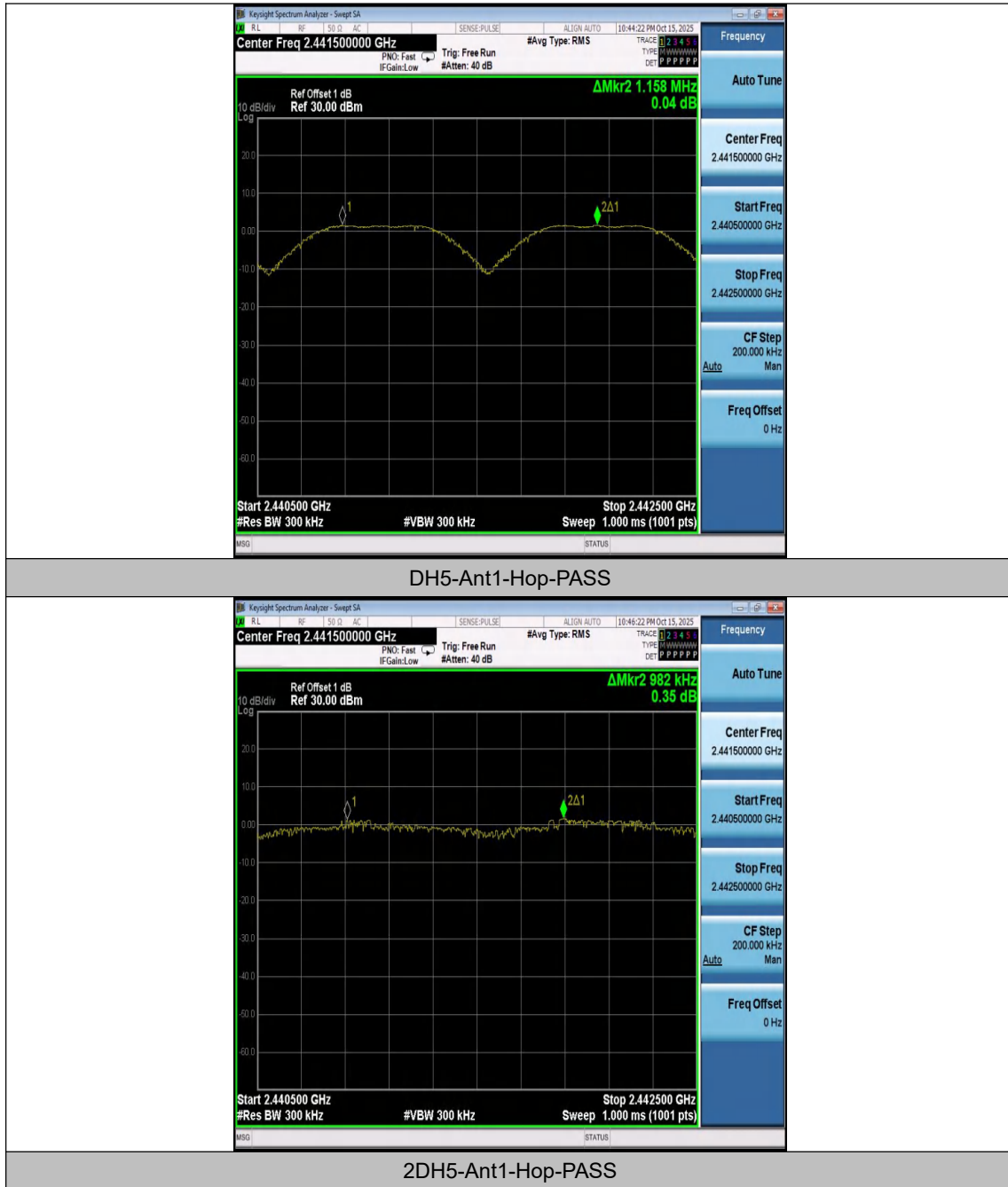
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.158	≥0.960	PASS
2DH5	Ant1	Hop	0.982	≥0.910	PASS
3DH5	Ant1	Hop	1.13	≥0.880	PASS

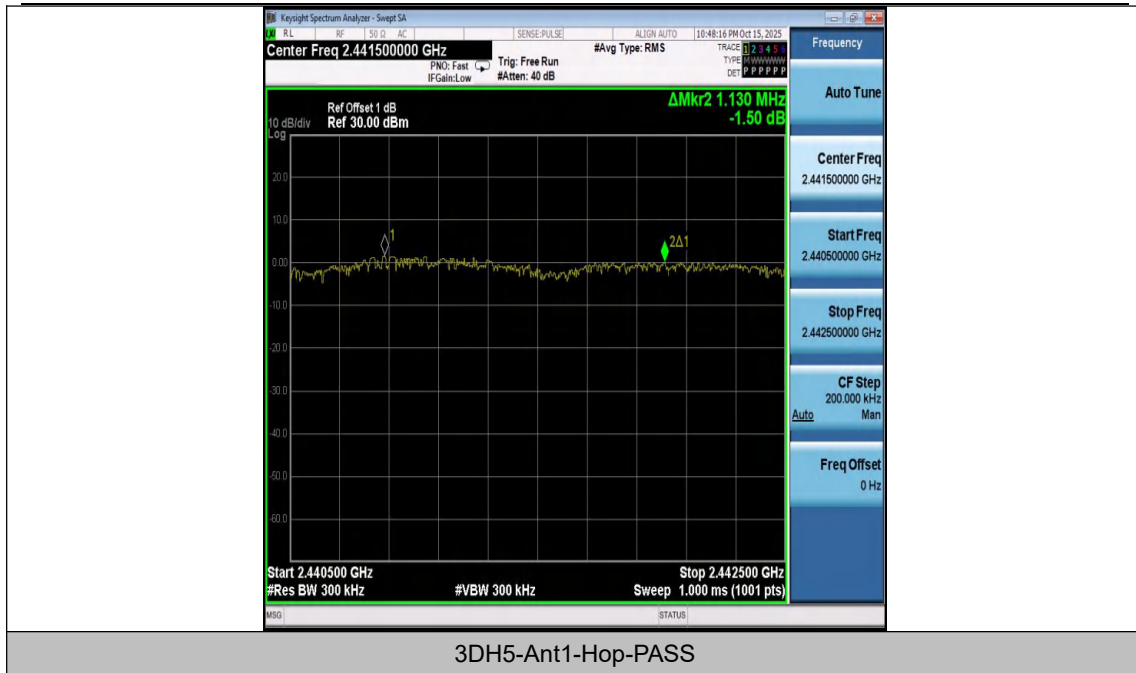
Test Graphs



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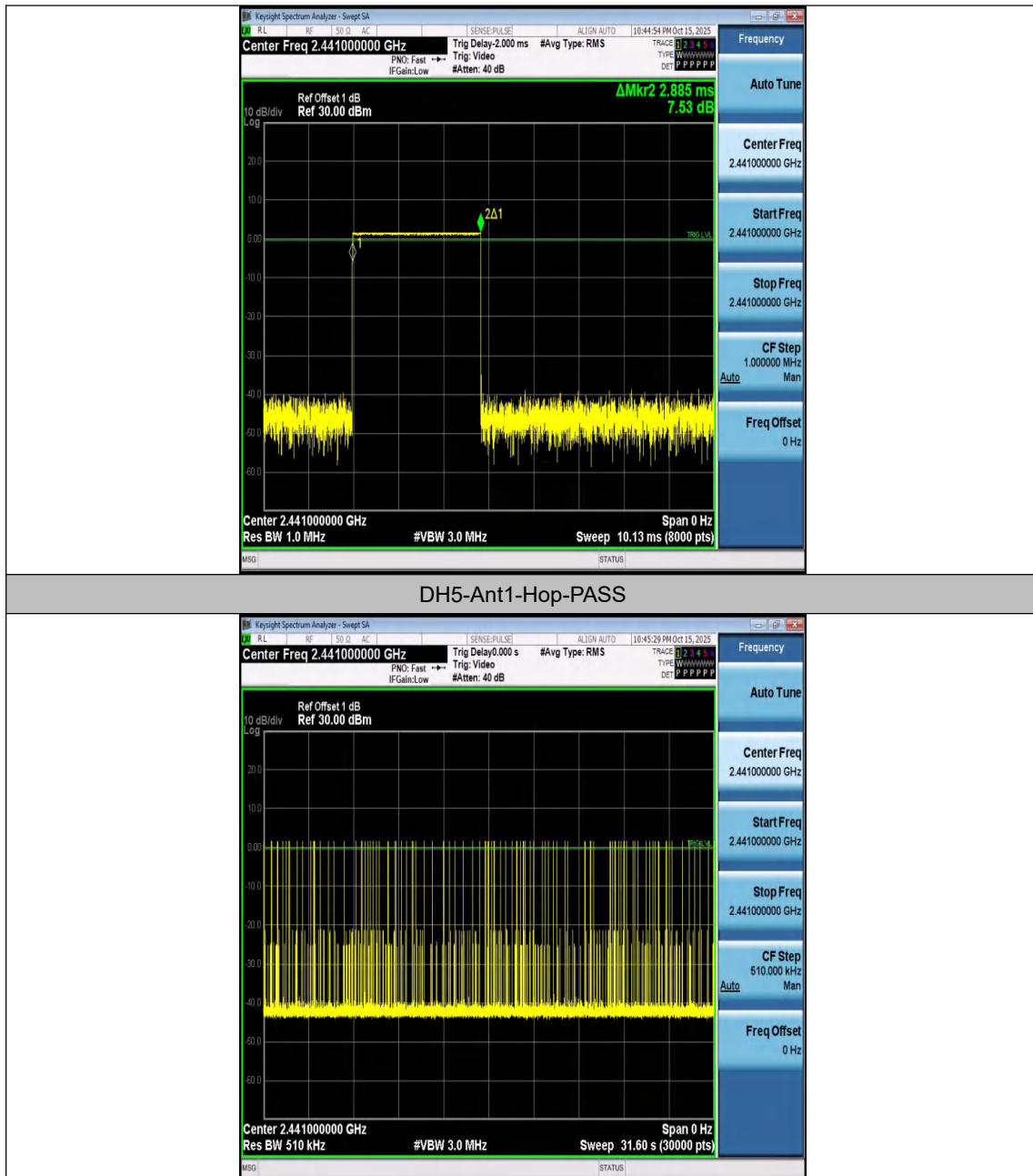
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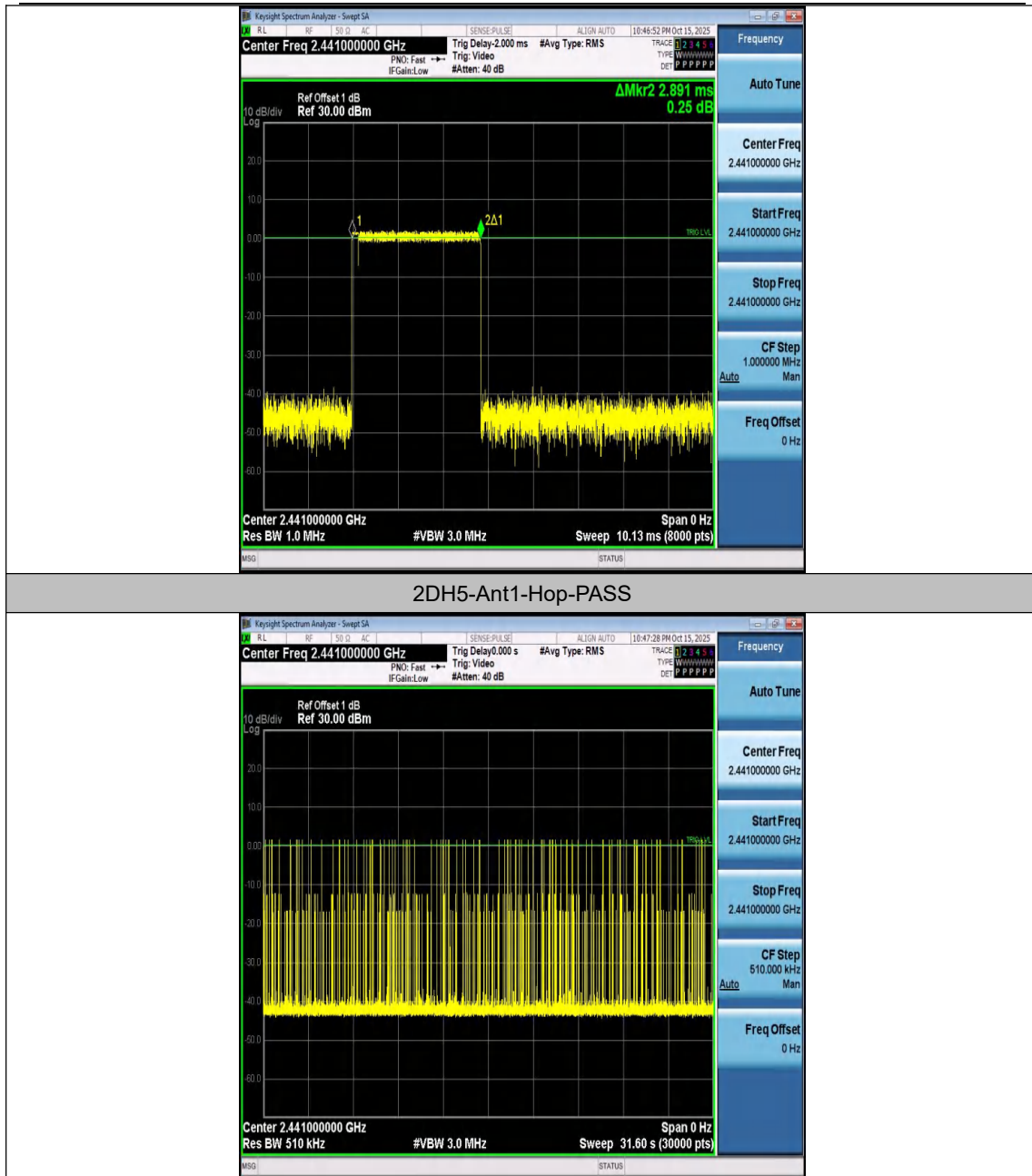
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	109	0.315	≤0.4	PASS

Test Graphs

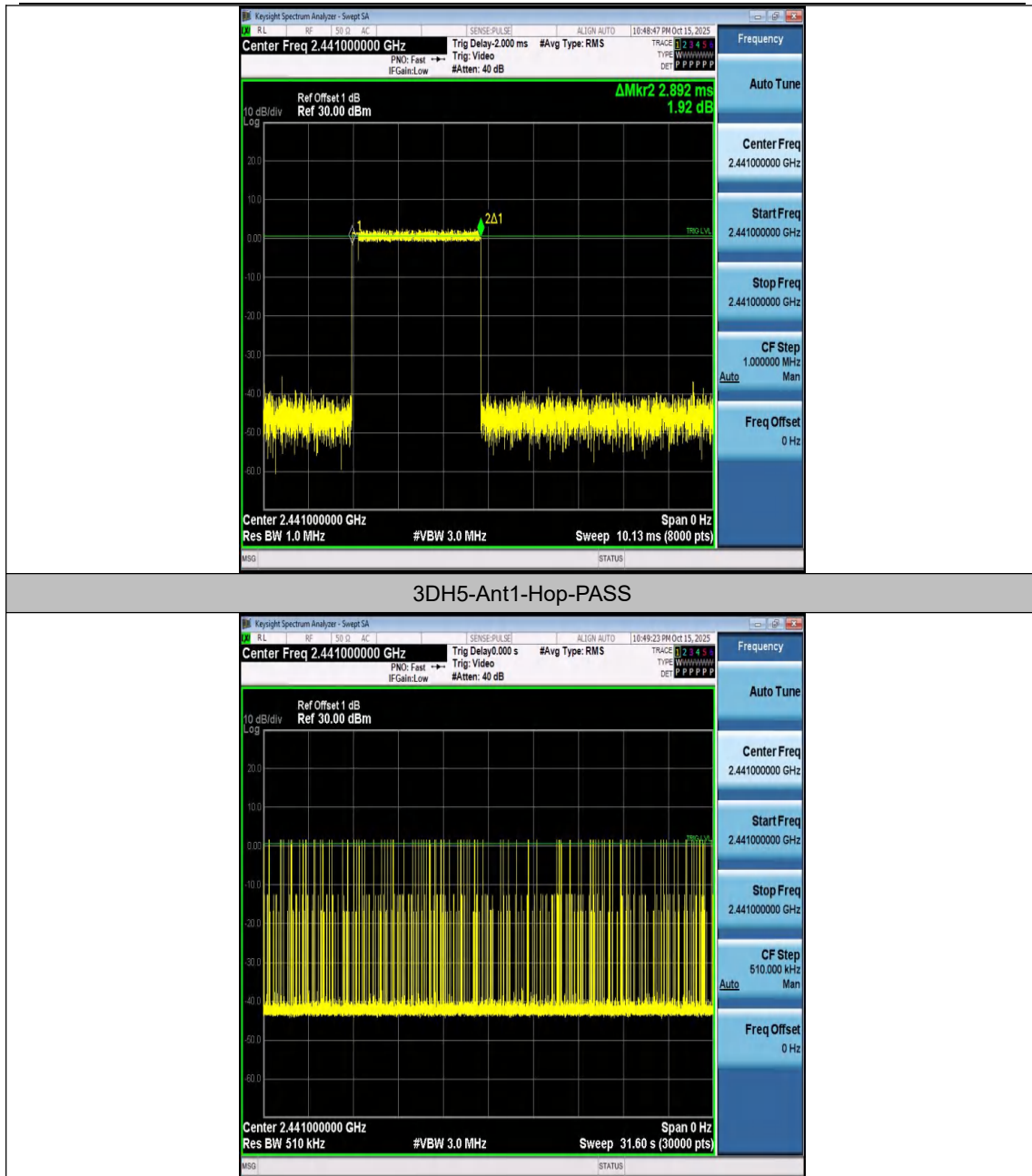




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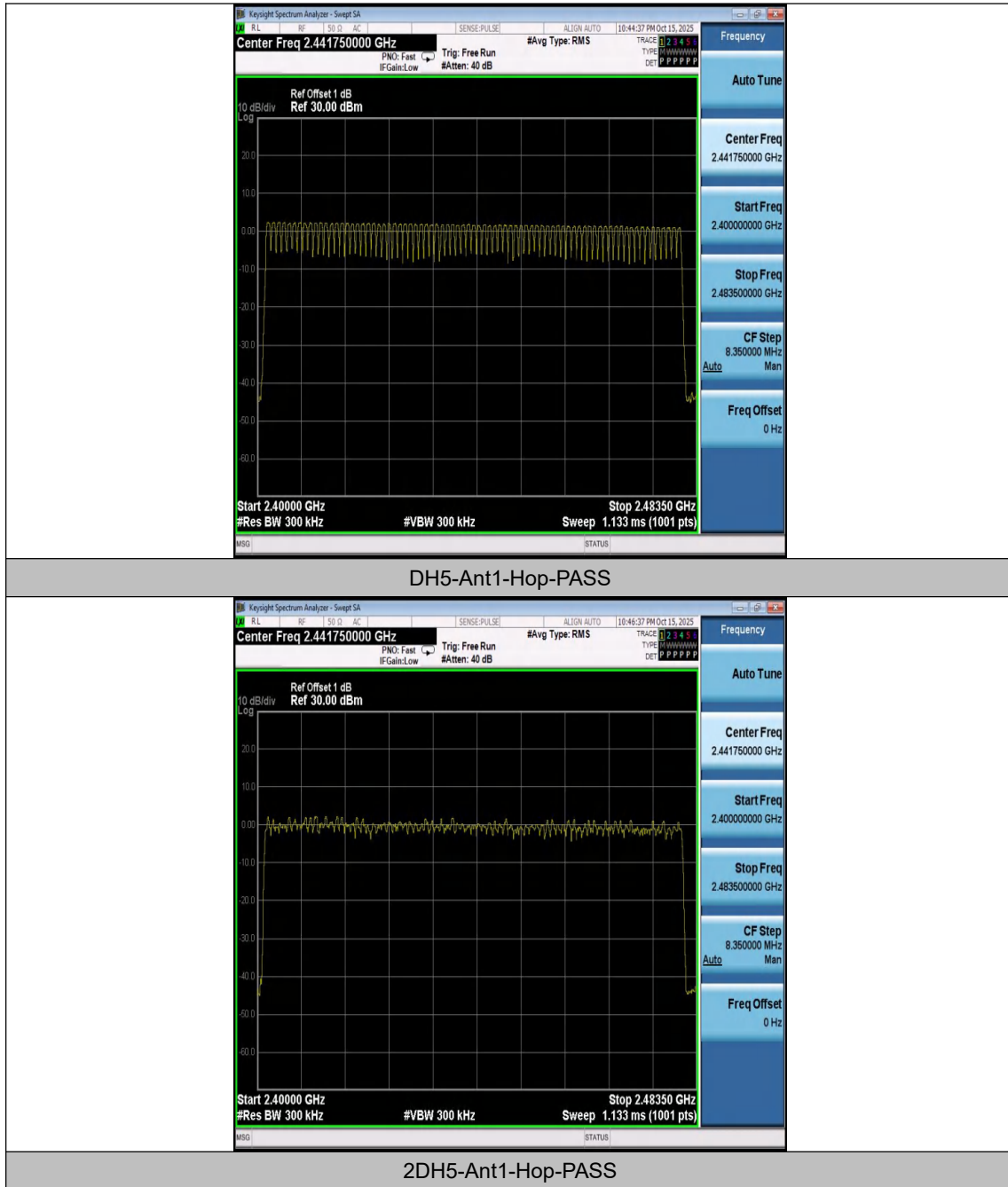
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Appendix F: Number of Hopping Channel

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

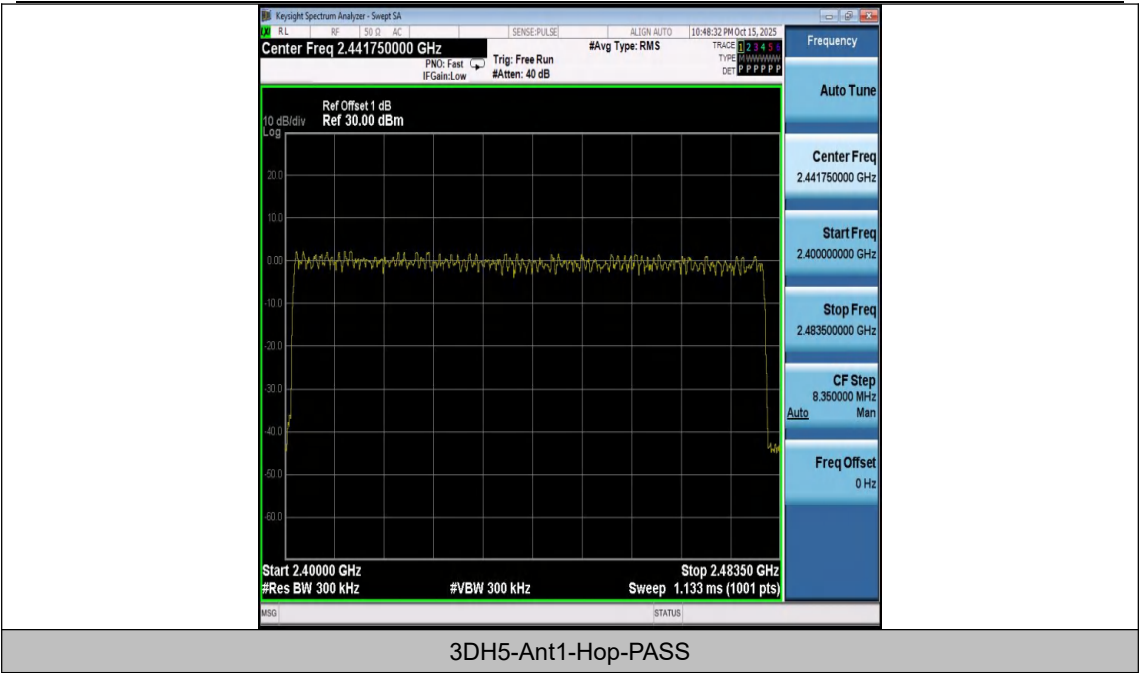
Test Graphs



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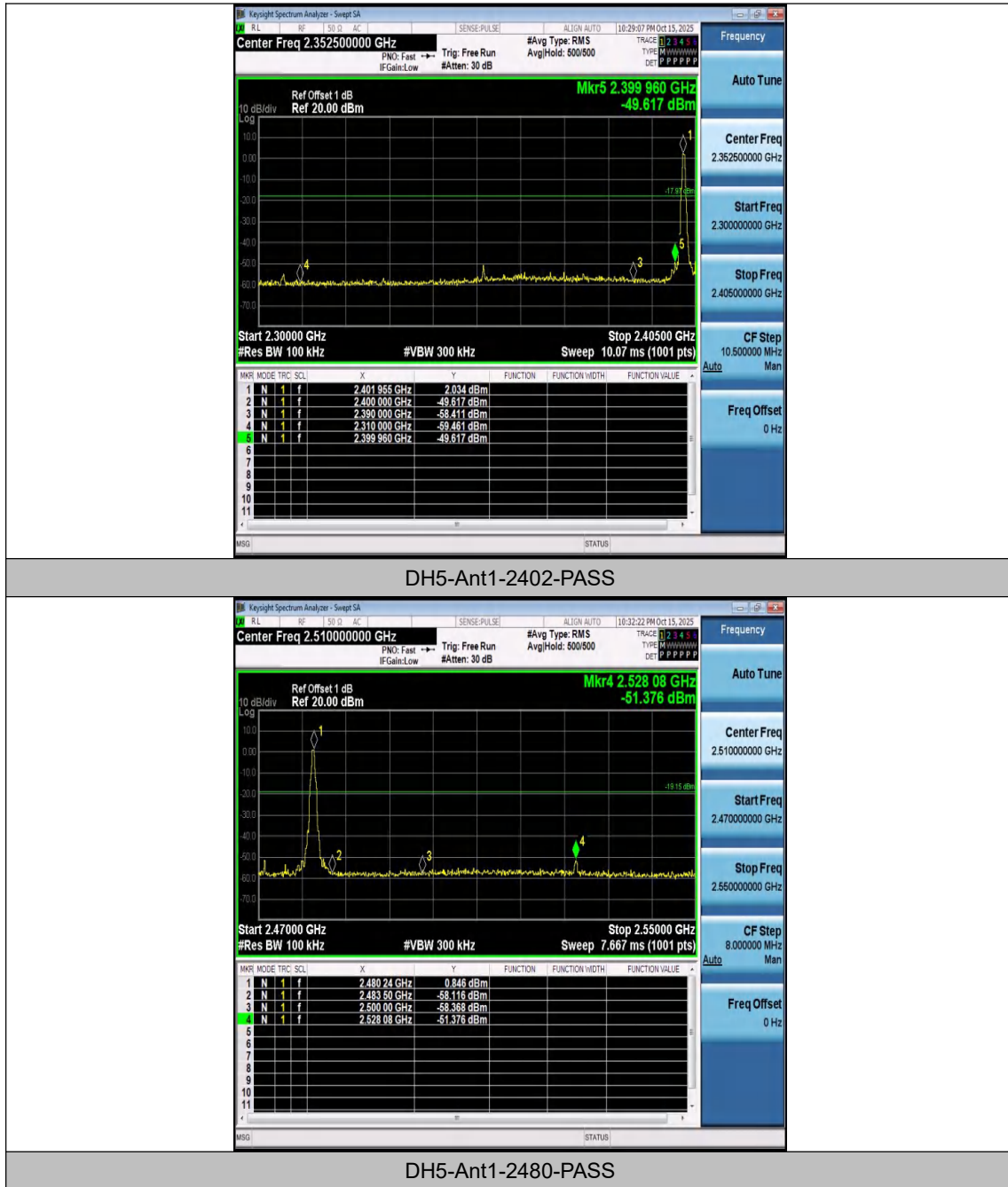
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.03	-49.62	≤-17.97	PASS
DH5	Ant1	High	2480	0.85	-51.38	≤-19.15	PASS
DH5	Ant1	Low	Hop_2402	1.53	-51.88	≤-18.48	PASS
DH5	Ant1	High	Hop_2480	0.89	-50.81	≤-19.11	PASS
2DH5	Ant1	Low	2402	2.15	-49.79	≤-17.85	PASS
2DH5	Ant1	High	2480	0.90	-52.84	≤-19.1	PASS
2DH5	Ant1	Low	Hop_2402	-1.64	-51.54	≤-21.64	PASS
2DH5	Ant1	High	Hop_2480	-0.02	-52.57	≤-20.02	PASS
3DH5	Ant1	Low	2402	2.18	-52.02	≤-17.82	PASS
3DH5	Ant1	High	2480	0.87	-52.55	≤-19.13	PASS
3DH5	Ant1	Low	Hop_2402	-0.53	-53.93	≤-20.53	PASS
3DH5	Ant1	High	Hop_2480	-1.92	-53.35	≤-21.92	PASS

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

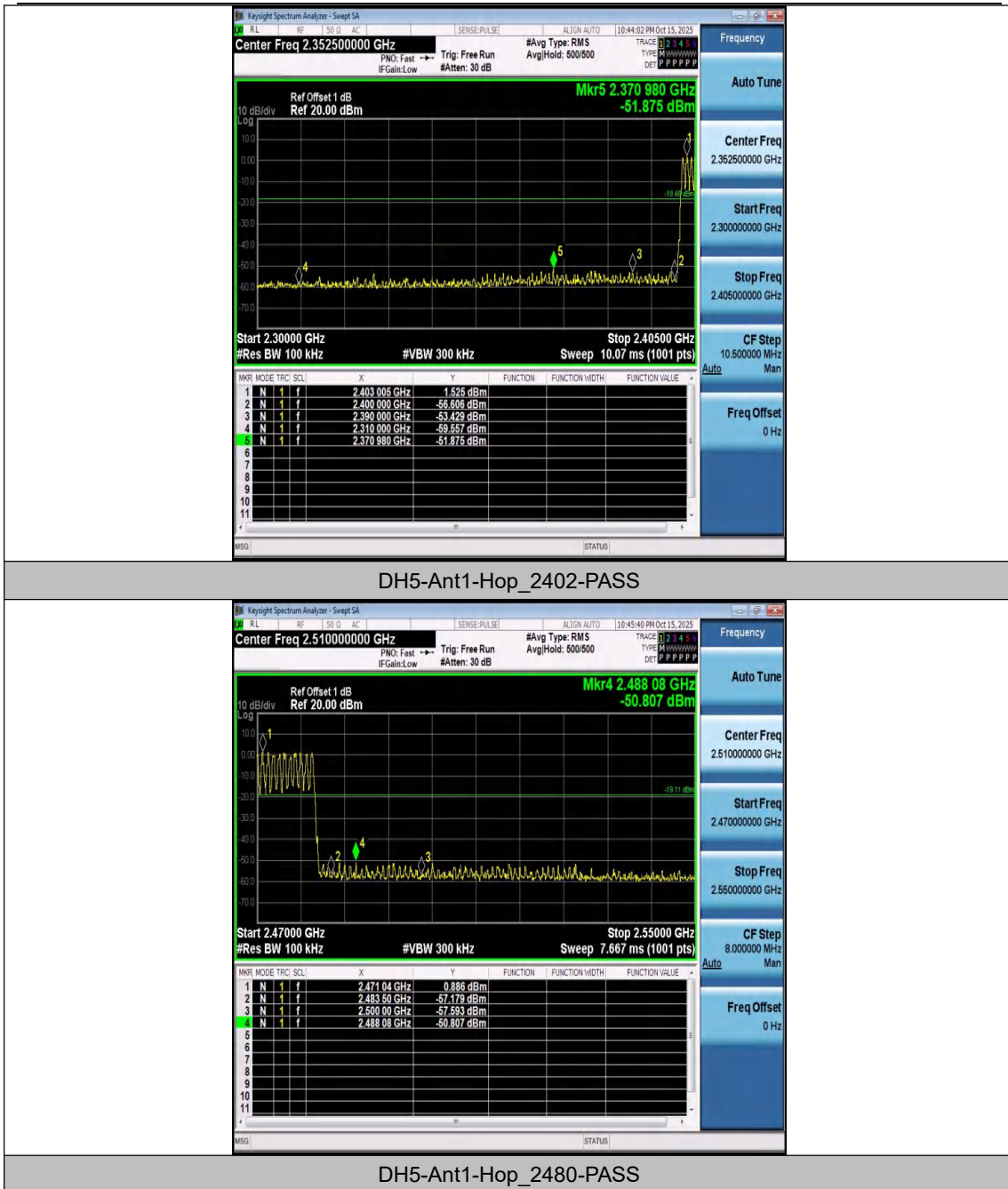
Test Graphs



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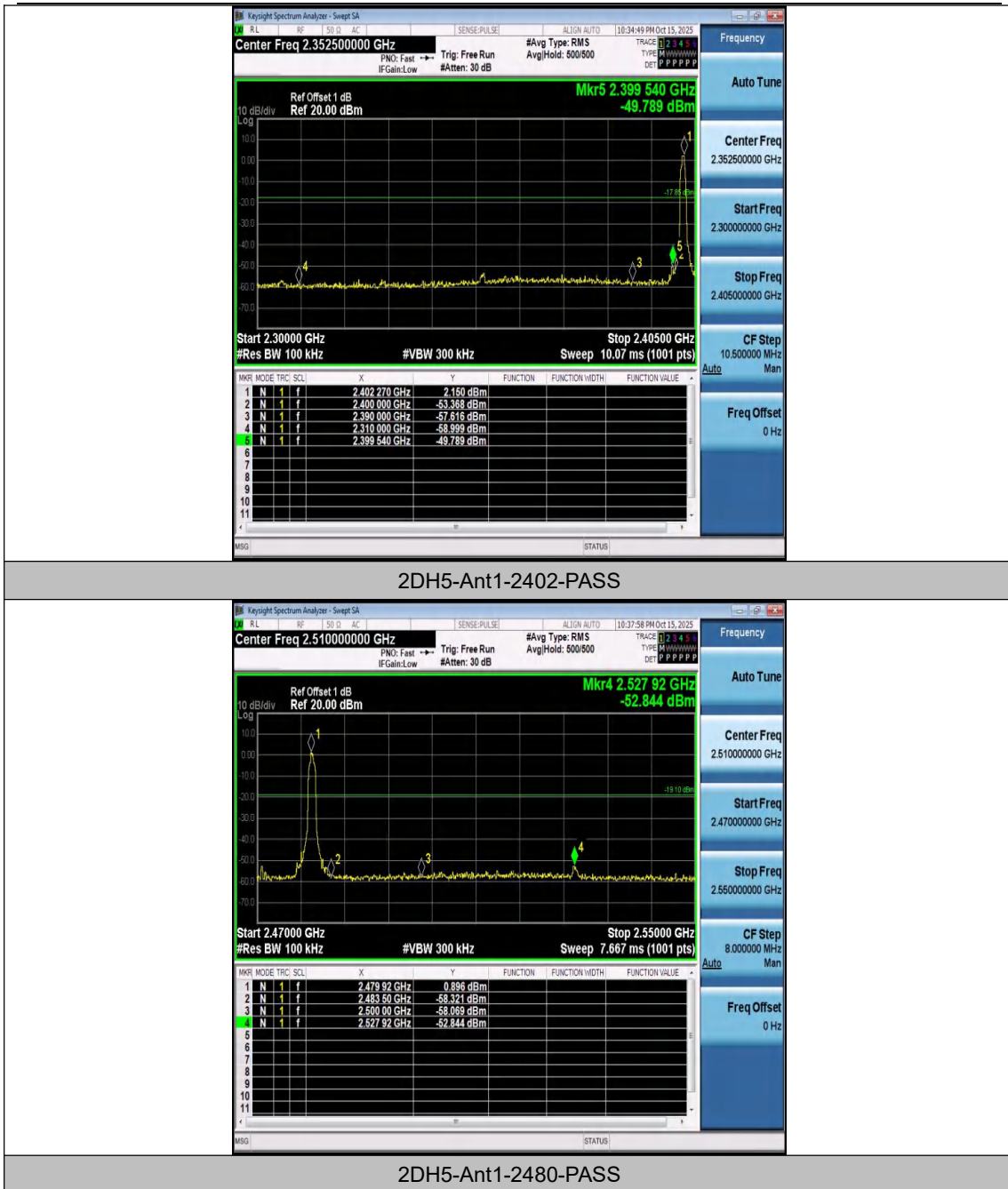
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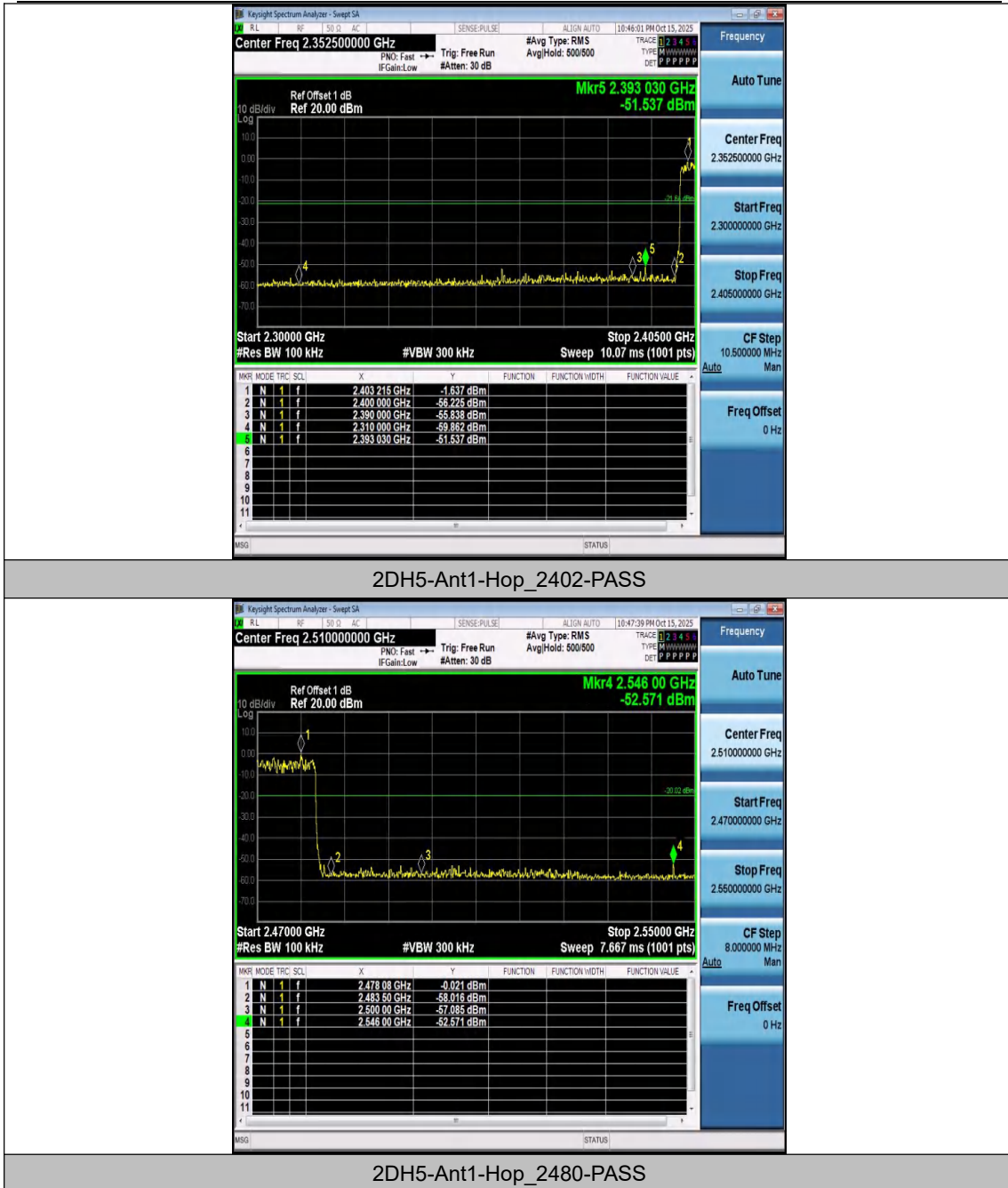
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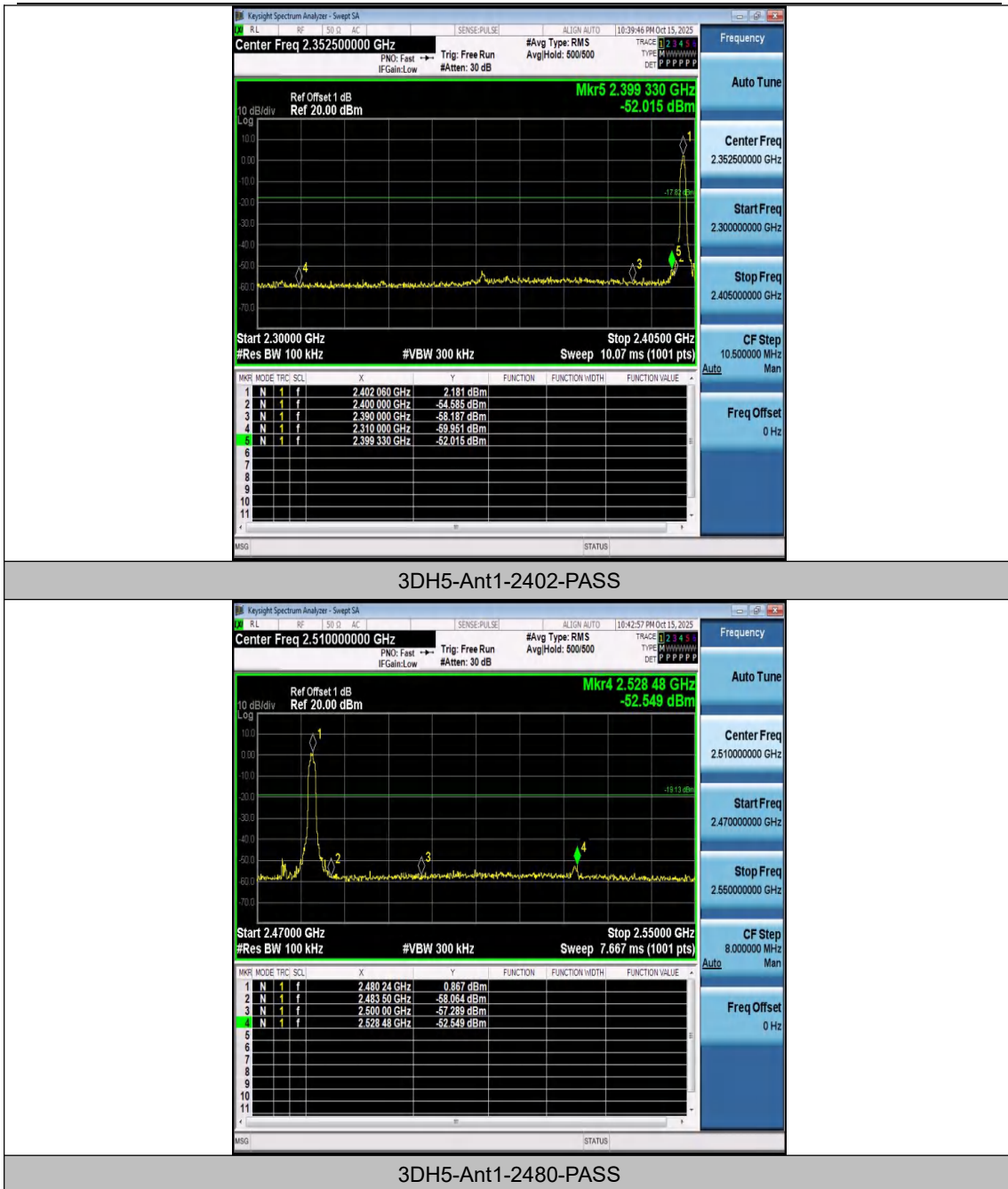
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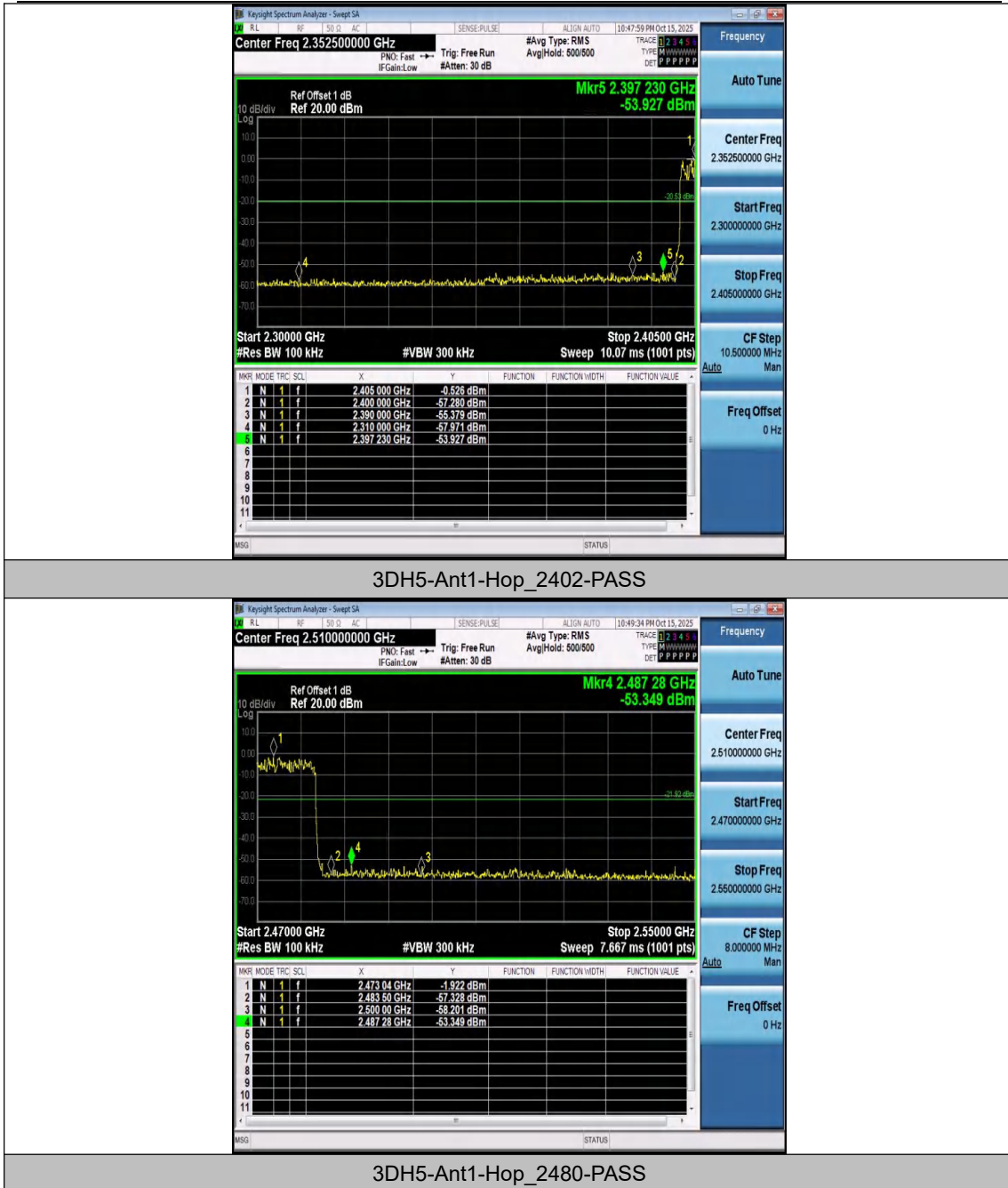


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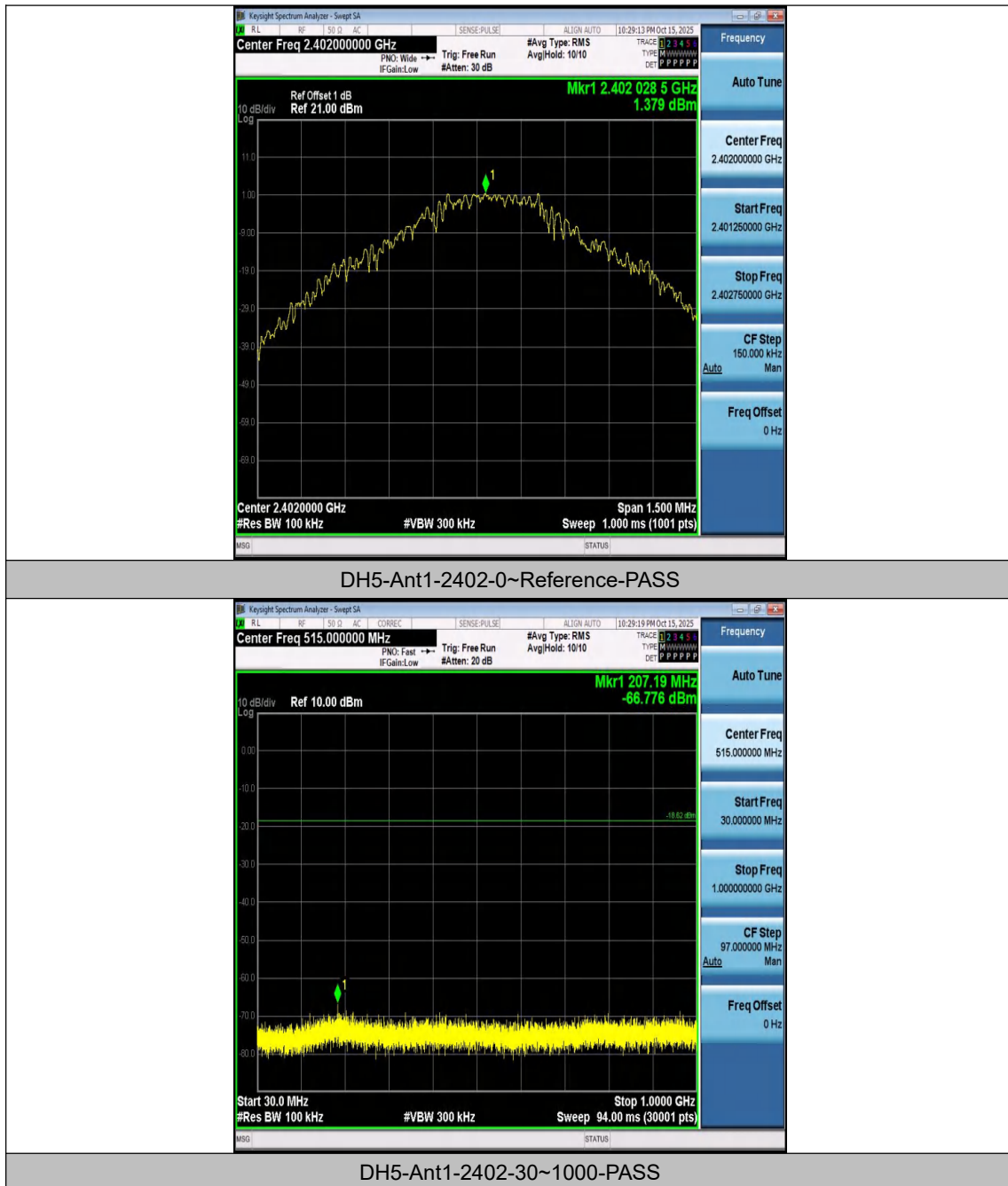
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.38	1.38	---	PASS
DH5	Ant1	2402	30~1000	1.38	-66.78	≤-18.62	PASS
DH5	Ant1	2402	1000~26500	1.38	-40.82	≤-18.62	PASS
DH5	Ant1	2441	0~Reference	1.27	1.27	---	PASS
DH5	Ant1	2441	30~1000	1.27	-67.51	≤-18.73	PASS
DH5	Ant1	2441	1000~26500	1.27	-40.4	≤-18.73	PASS
DH5	Ant1	2480	0~Reference	0.11	0.11	---	PASS
DH5	Ant1	2480	30~1000	0.11	-68.11	≤-19.89	PASS
DH5	Ant1	2480	1000~26500	0.11	-40.6	≤-19.89	PASS
2DH5	Ant1	2402	0~Reference	-1.83	-1.83	---	PASS
2DH5	Ant1	2402	30~1000	-1.83	-69.02	≤-21.83	PASS
2DH5	Ant1	2402	1000~26500	-1.83	-40.86	≤-21.83	PASS
2DH5	Ant1	2441	0~Reference	0.77	0.77	---	PASS
2DH5	Ant1	2441	30~1000	0.77	-68.8	≤-19.23	PASS
2DH5	Ant1	2441	1000~26500	0.77	-40.31	≤-19.23	PASS
2DH5	Ant1	2480	0~Reference	-0.20	-0.20	---	PASS
2DH5	Ant1	2480	30~1000	-0.20	-66.49	≤-20.2	PASS
2DH5	Ant1	2480	1000~26500	-0.20	-40.35	≤-20.2	PASS
3DH5	Ant1	2402	0~Reference	-0.24	-0.24	---	PASS
3DH5	Ant1	2402	30~1000	-0.24	-69.18	≤-20.24	PASS
3DH5	Ant1	2402	1000~26500	-0.24	-40.82	≤-20.24	PASS
3DH5	Ant1	2441	0~Reference	-2.19	-2.19	---	PASS
3DH5	Ant1	2441	30~1000	-2.19	-67.86	≤-22.19	PASS
3DH5	Ant1	2441	1000~26500	-2.19	-40.19	≤-22.19	PASS
3DH5	Ant1	2480	0~Reference	-2.99	-2.99	---	PASS
3DH5	Ant1	2480	30~1000	-2.99	-68.6	≤-22.99	PASS
3DH5	Ant1	2480	1000~26500	-2.99	-40.58	≤-22.99	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.

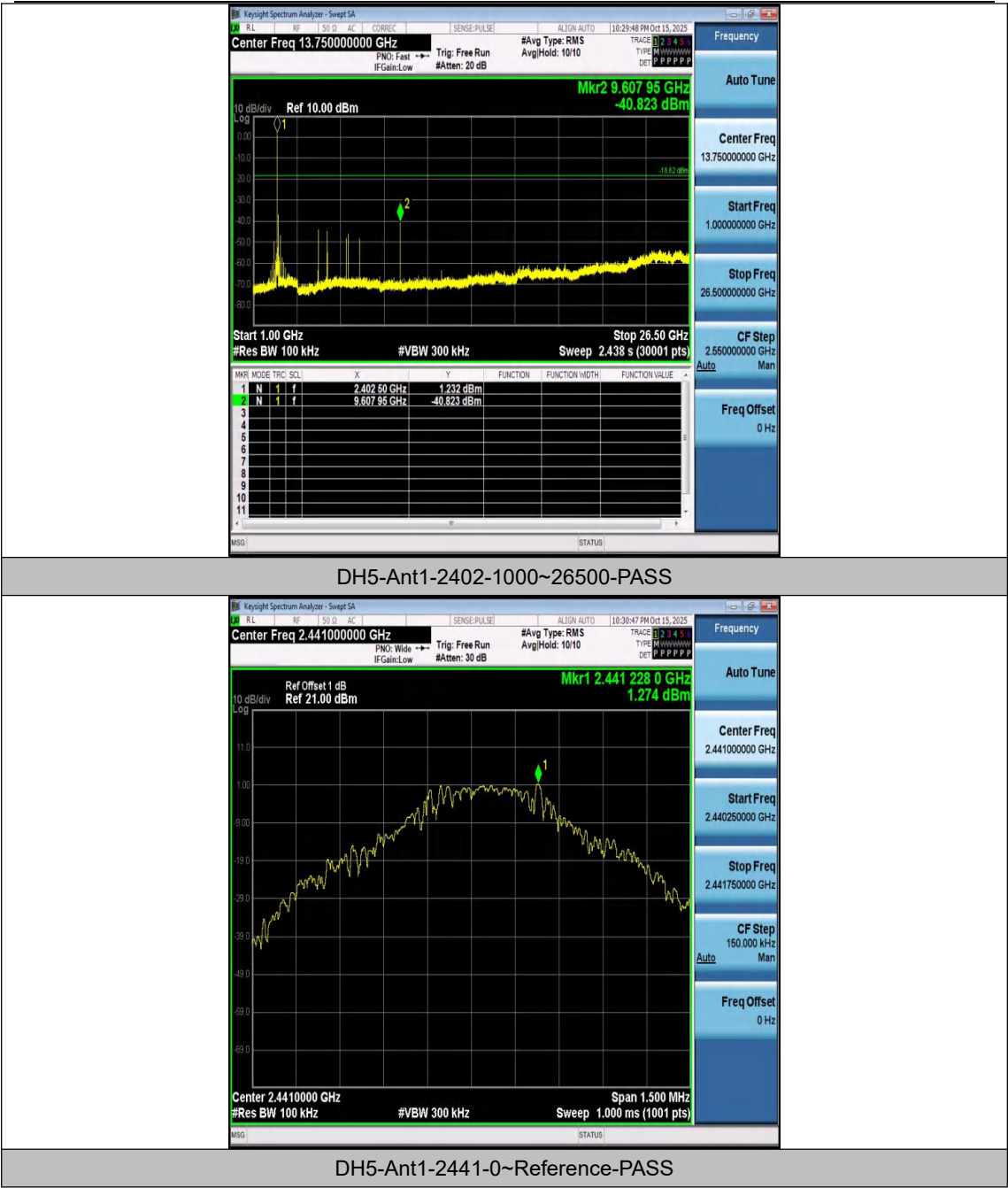
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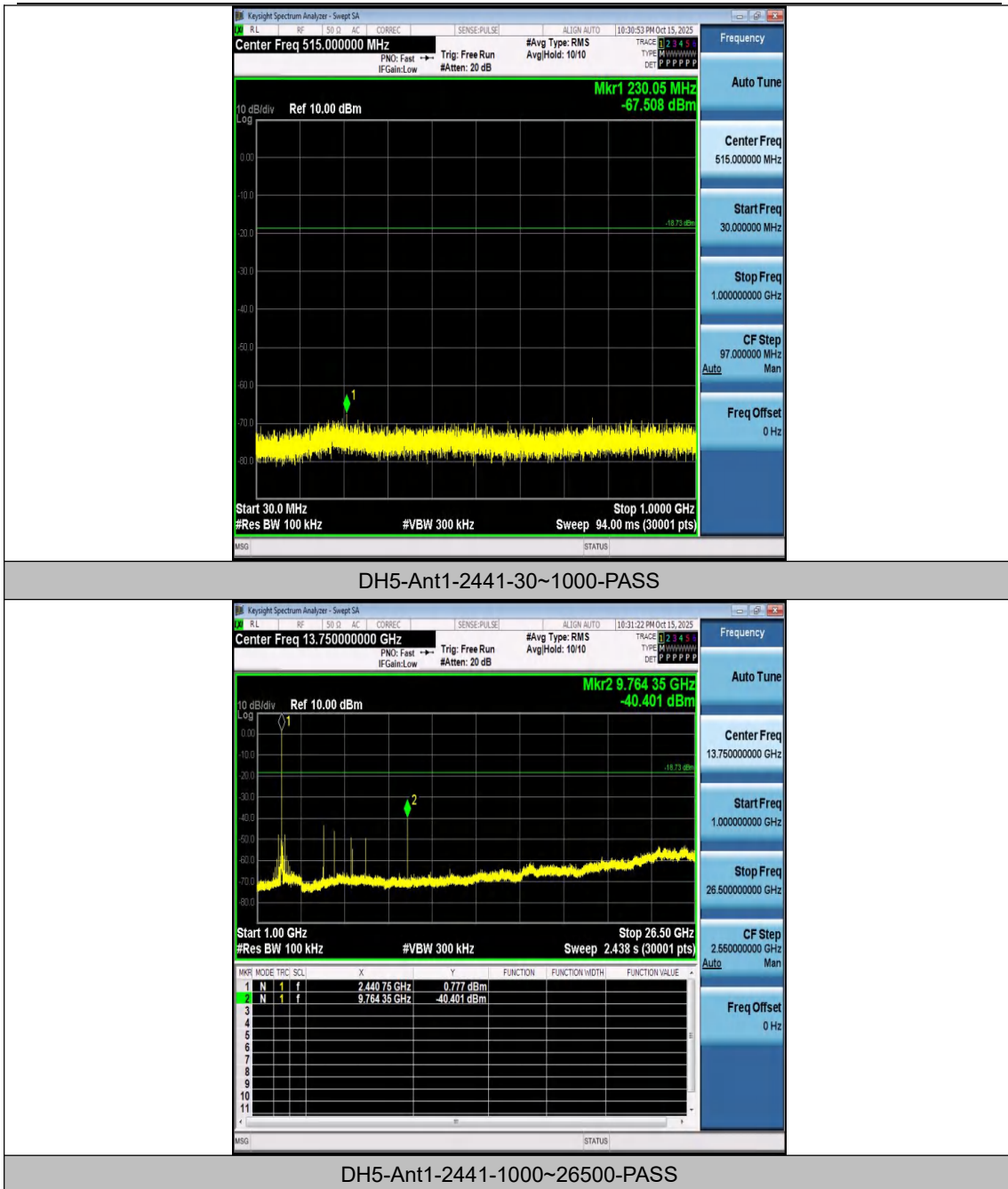


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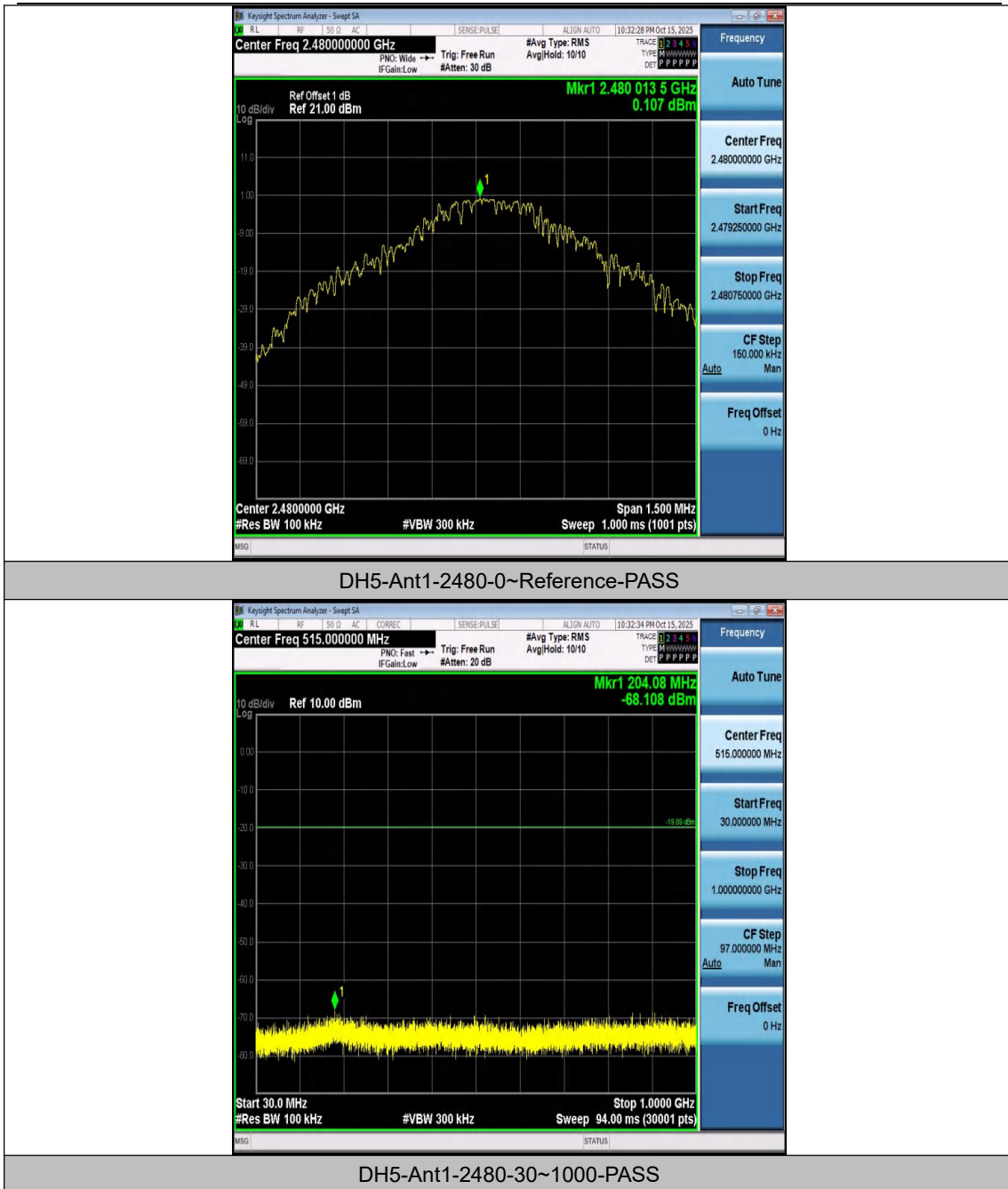




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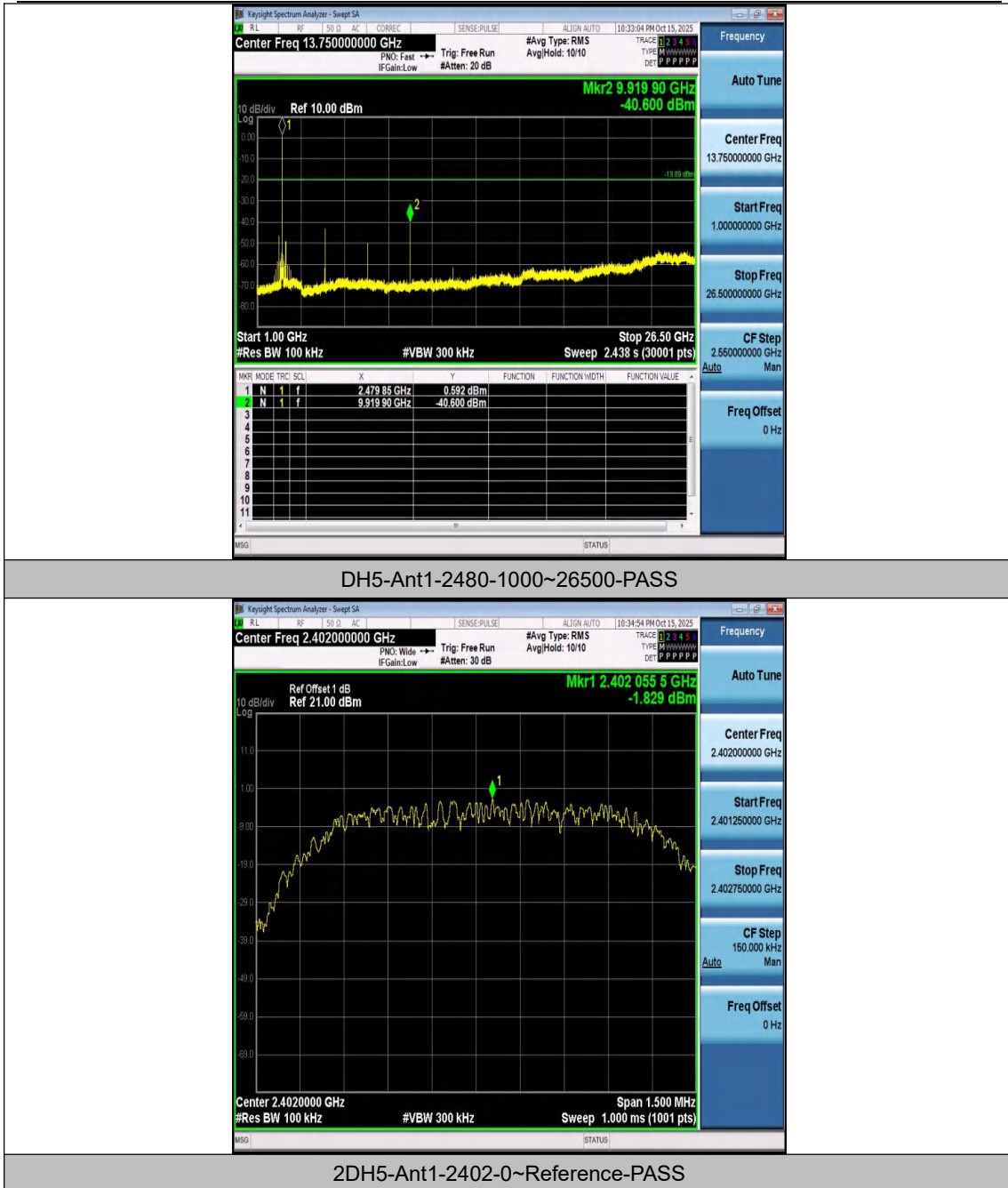
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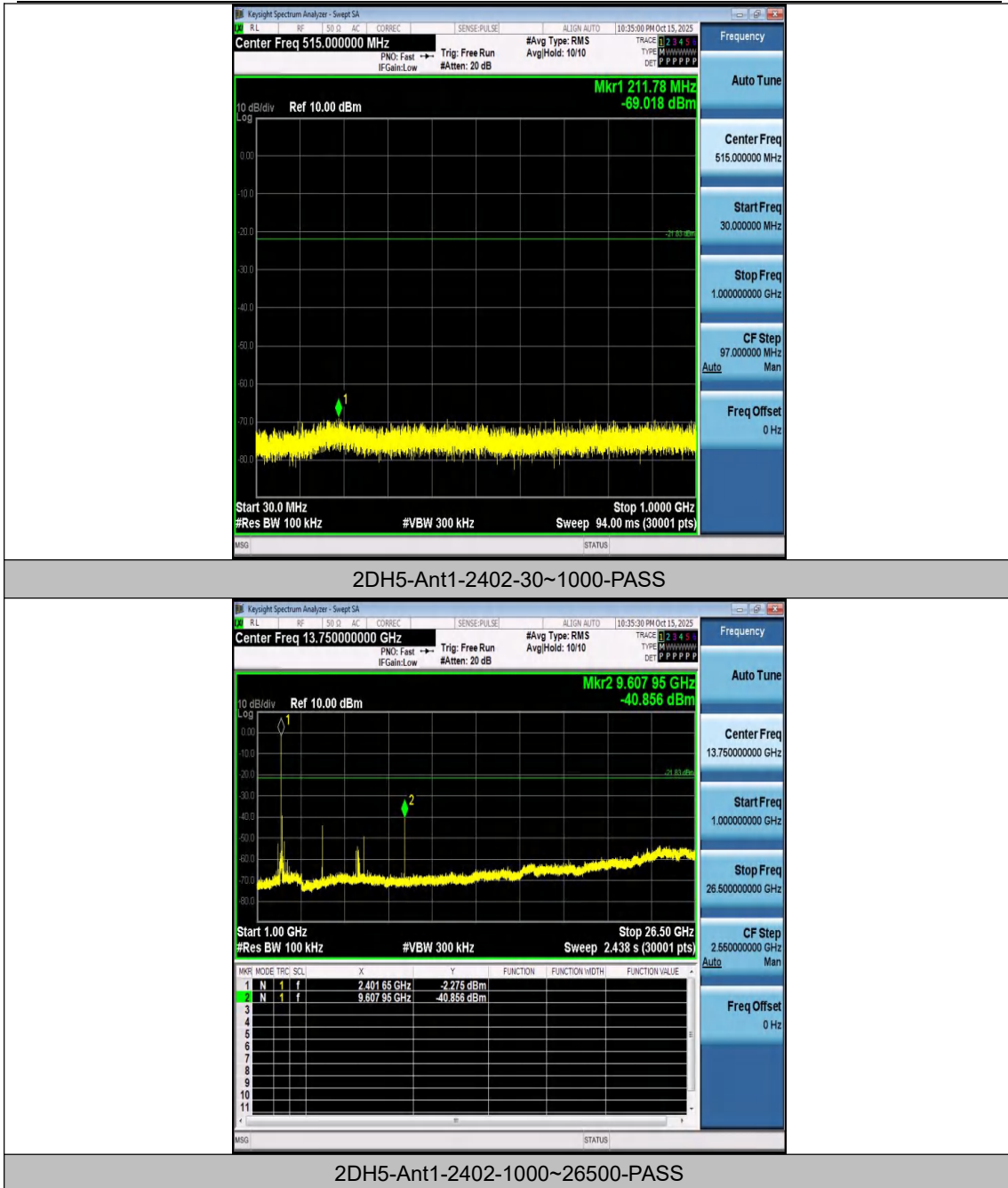


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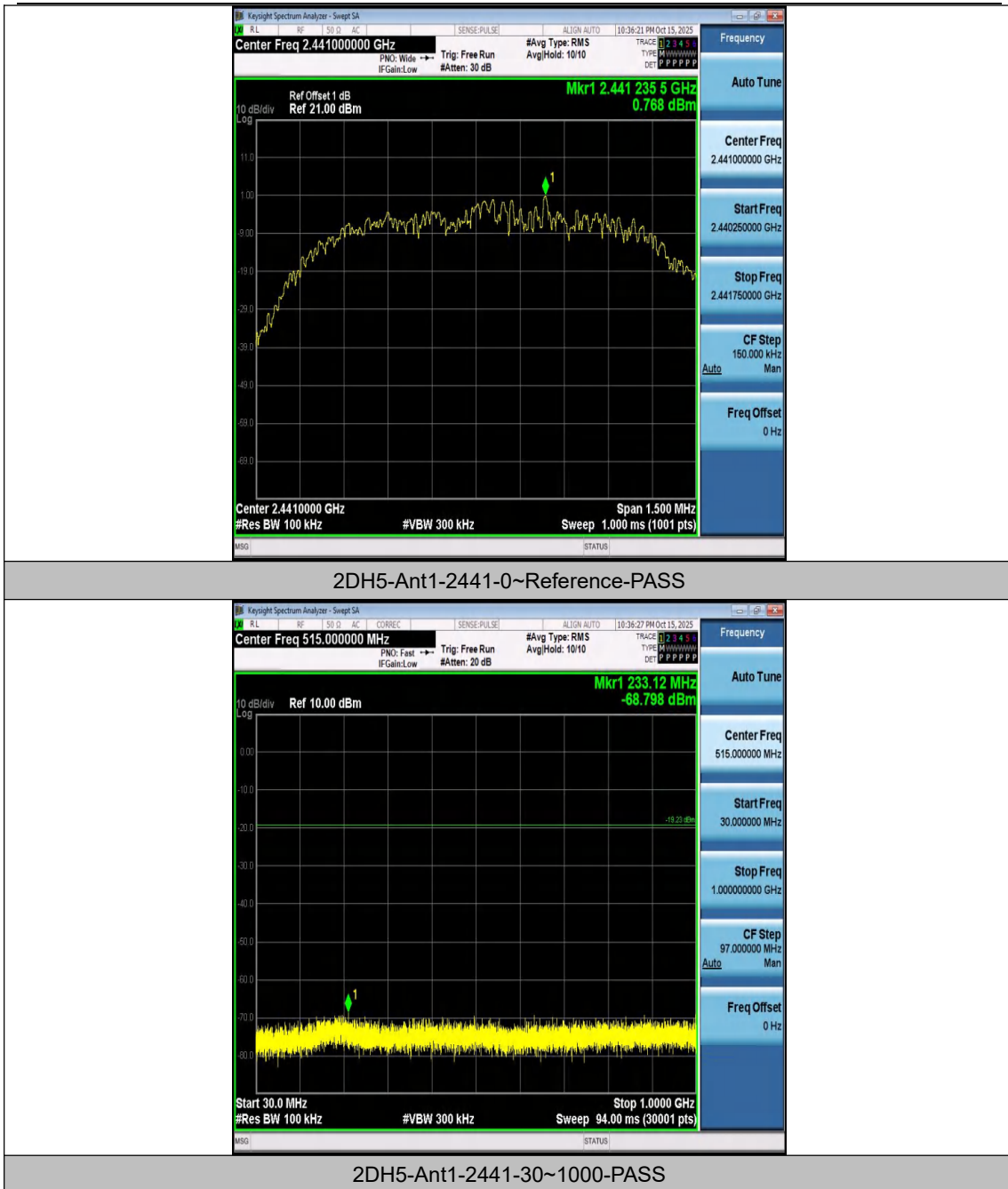




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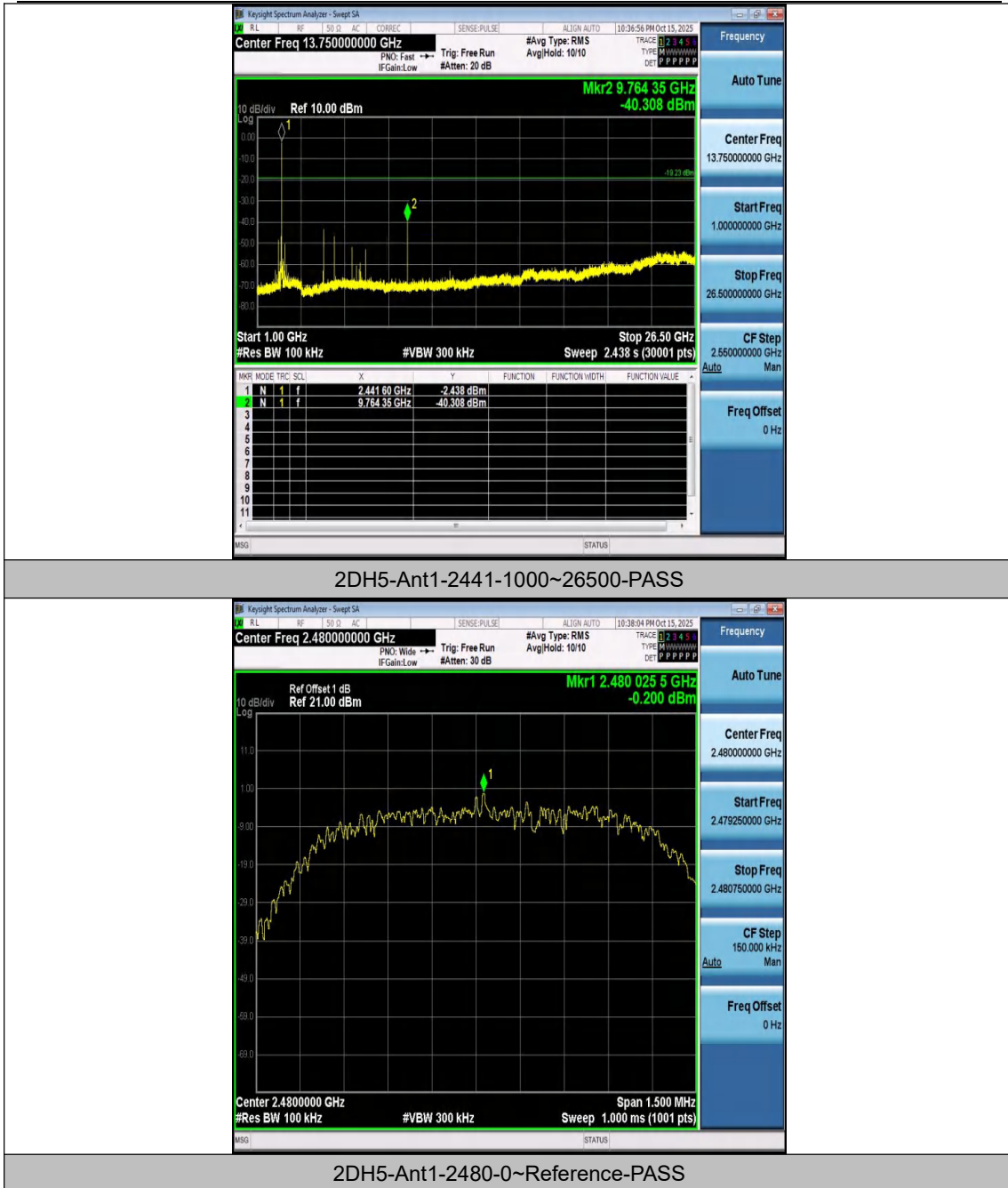
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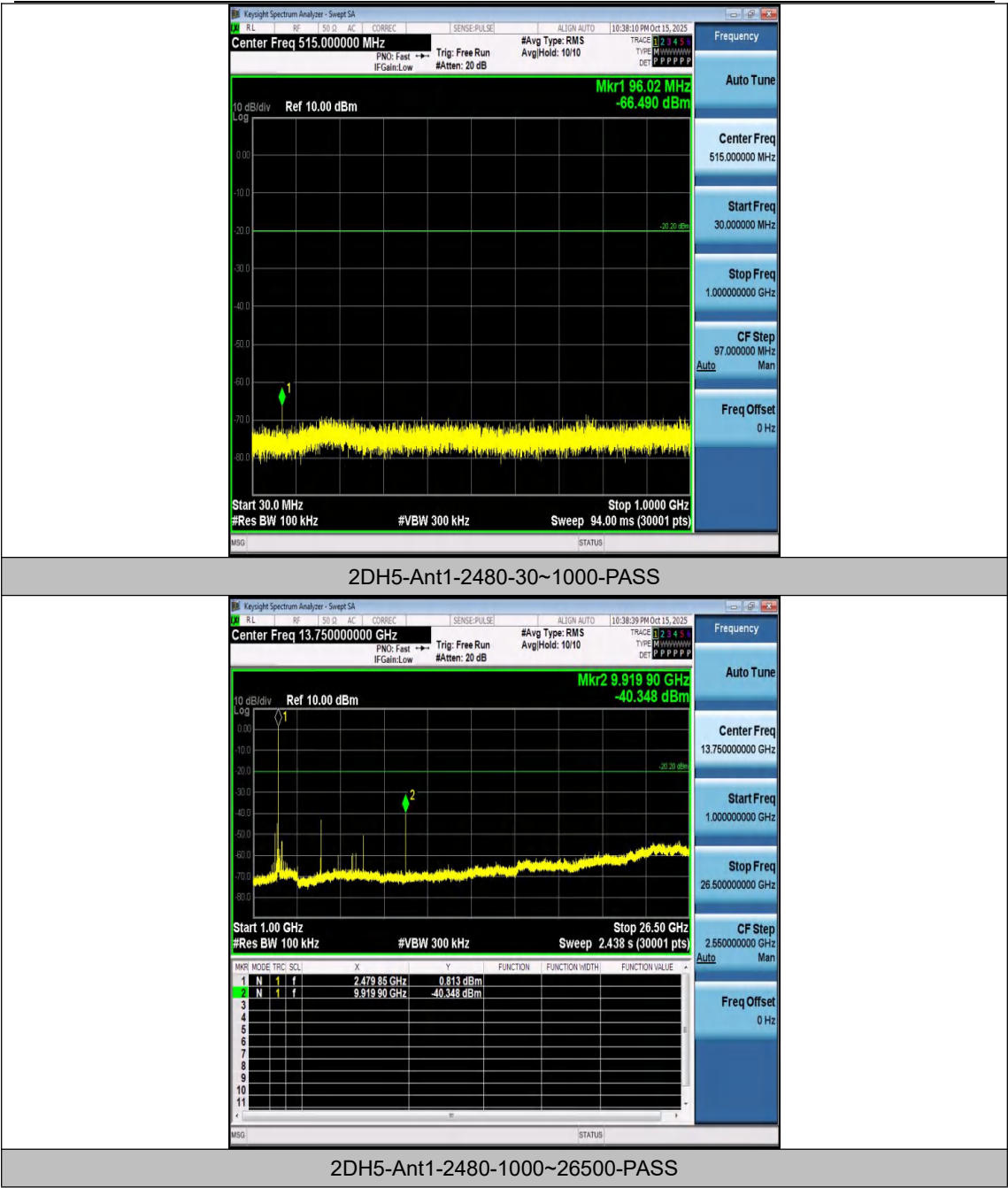
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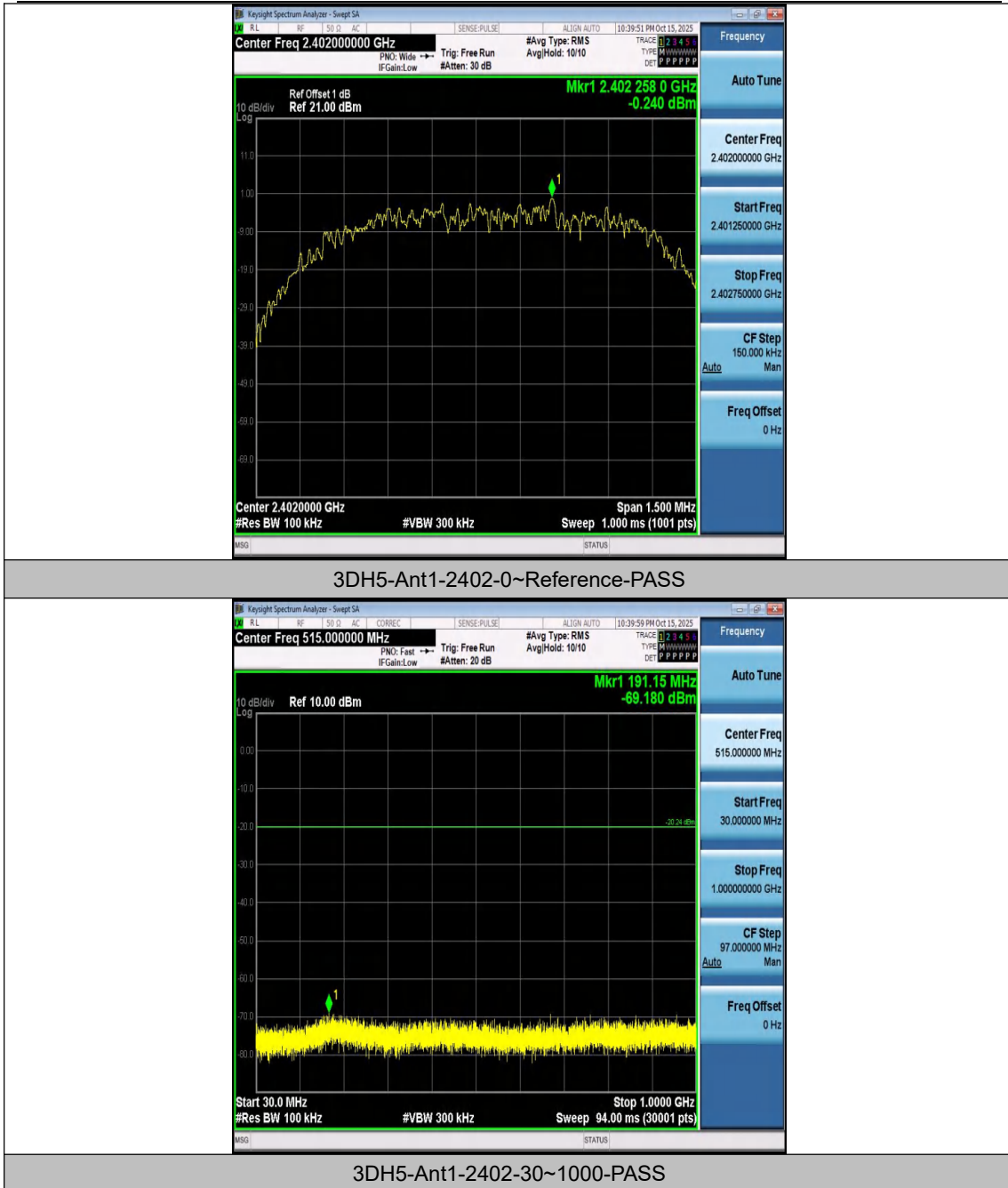


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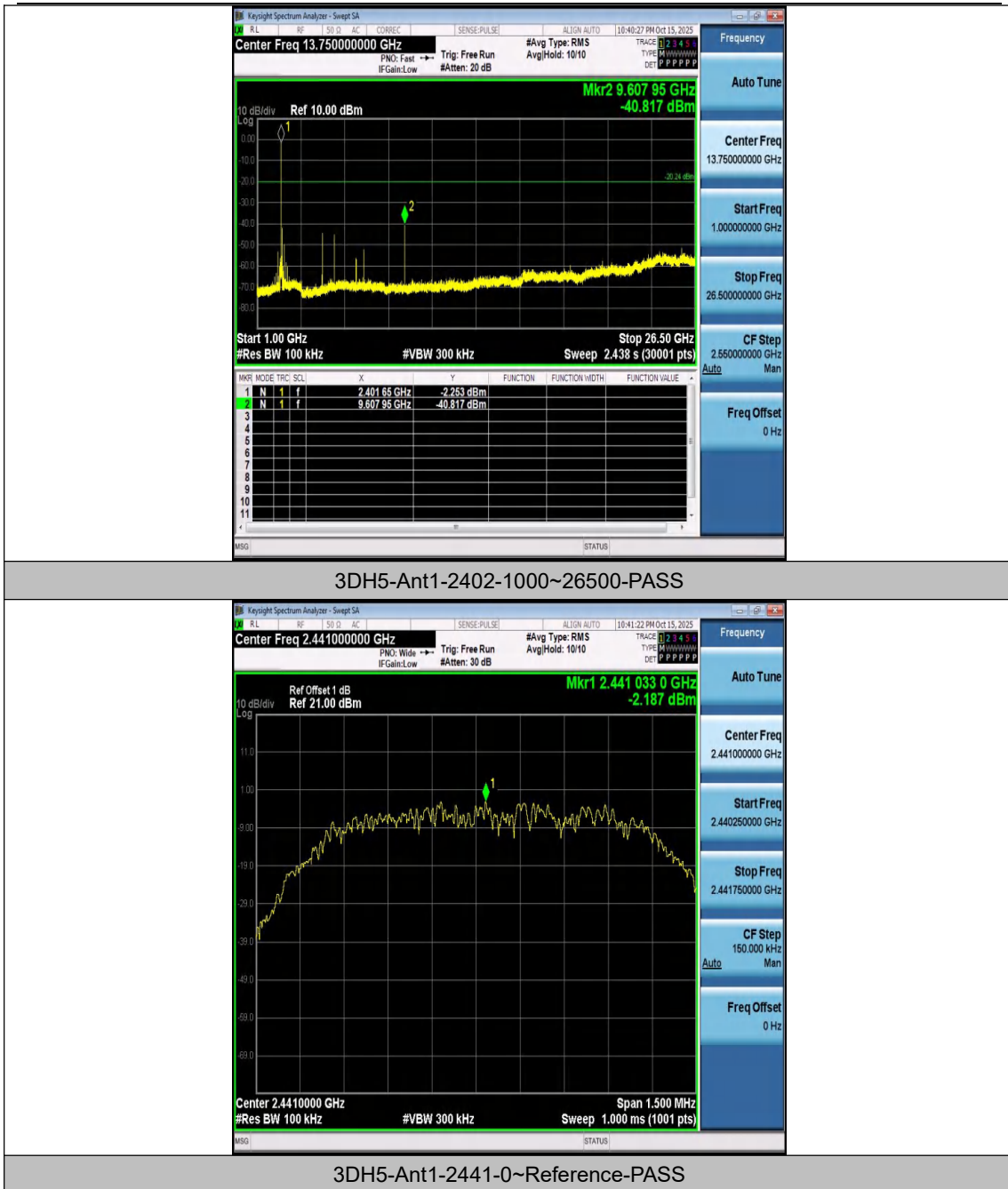




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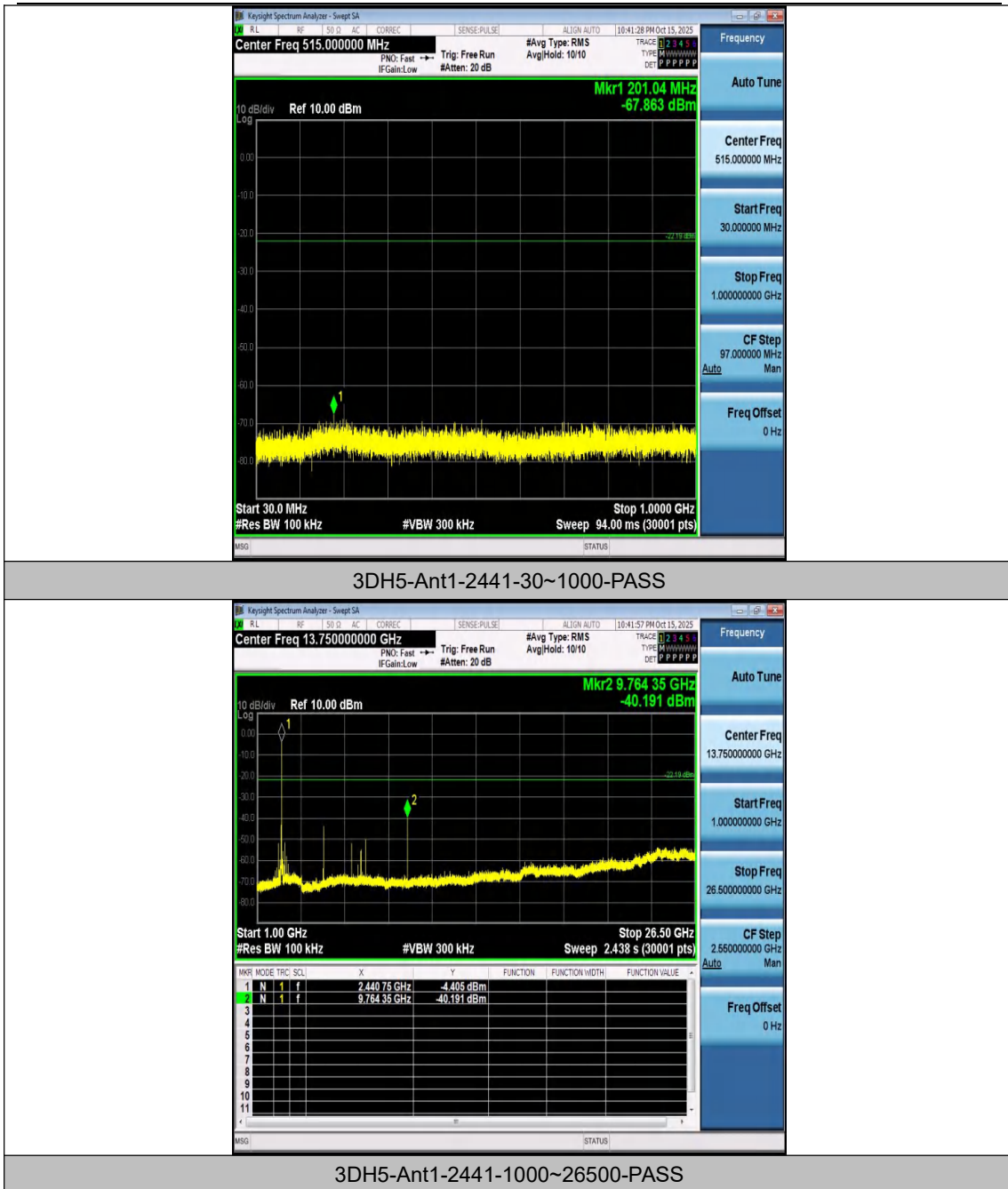
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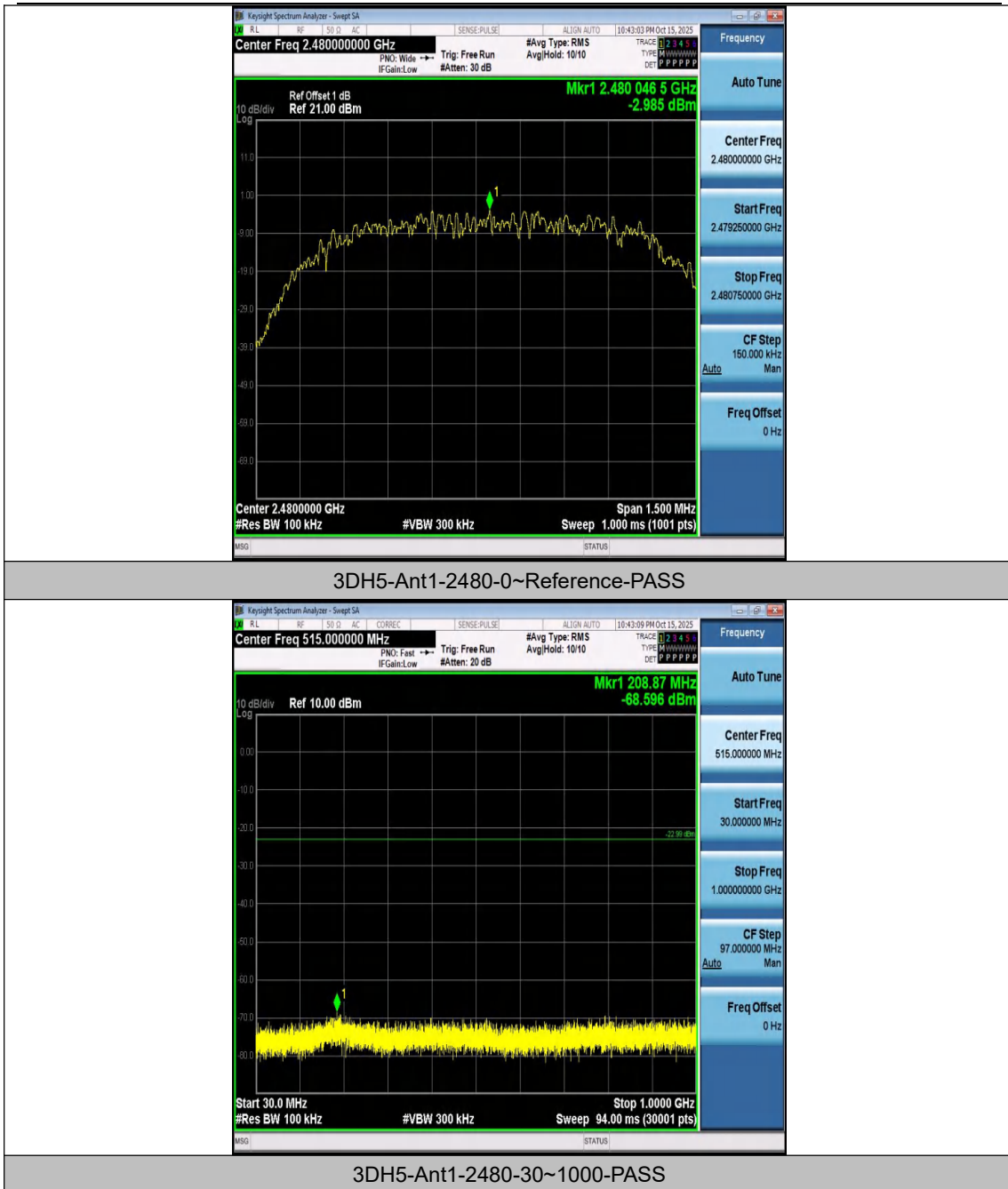
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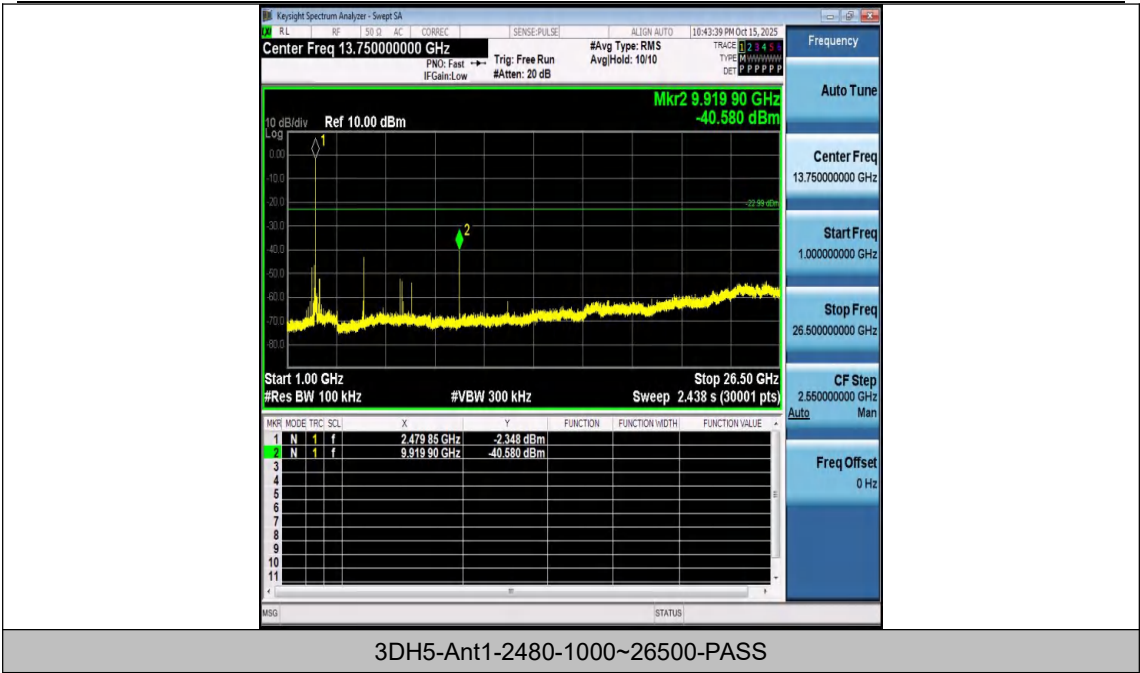
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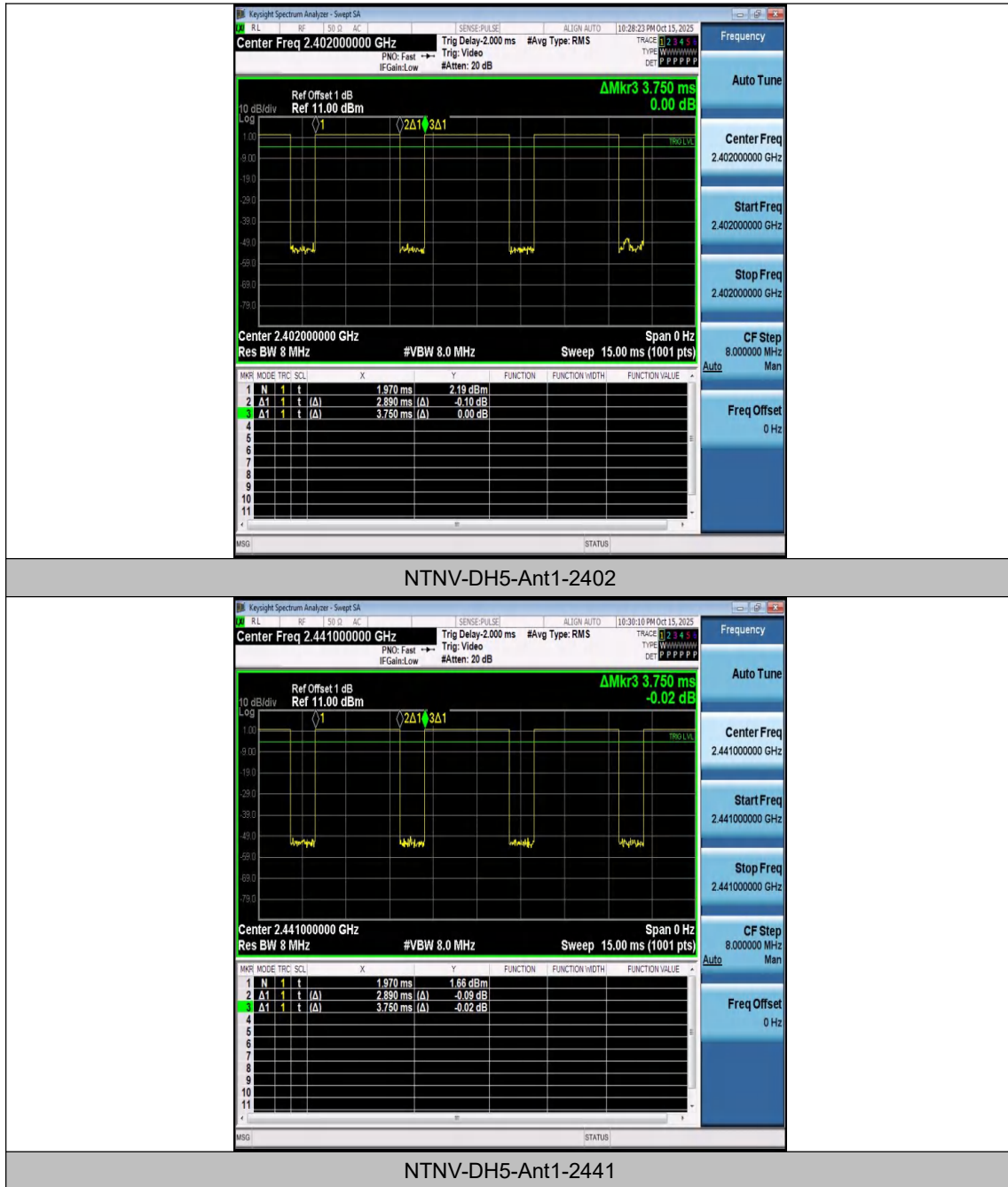
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Appendix I: Duty Cycle

Test Result

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

Test Graphs

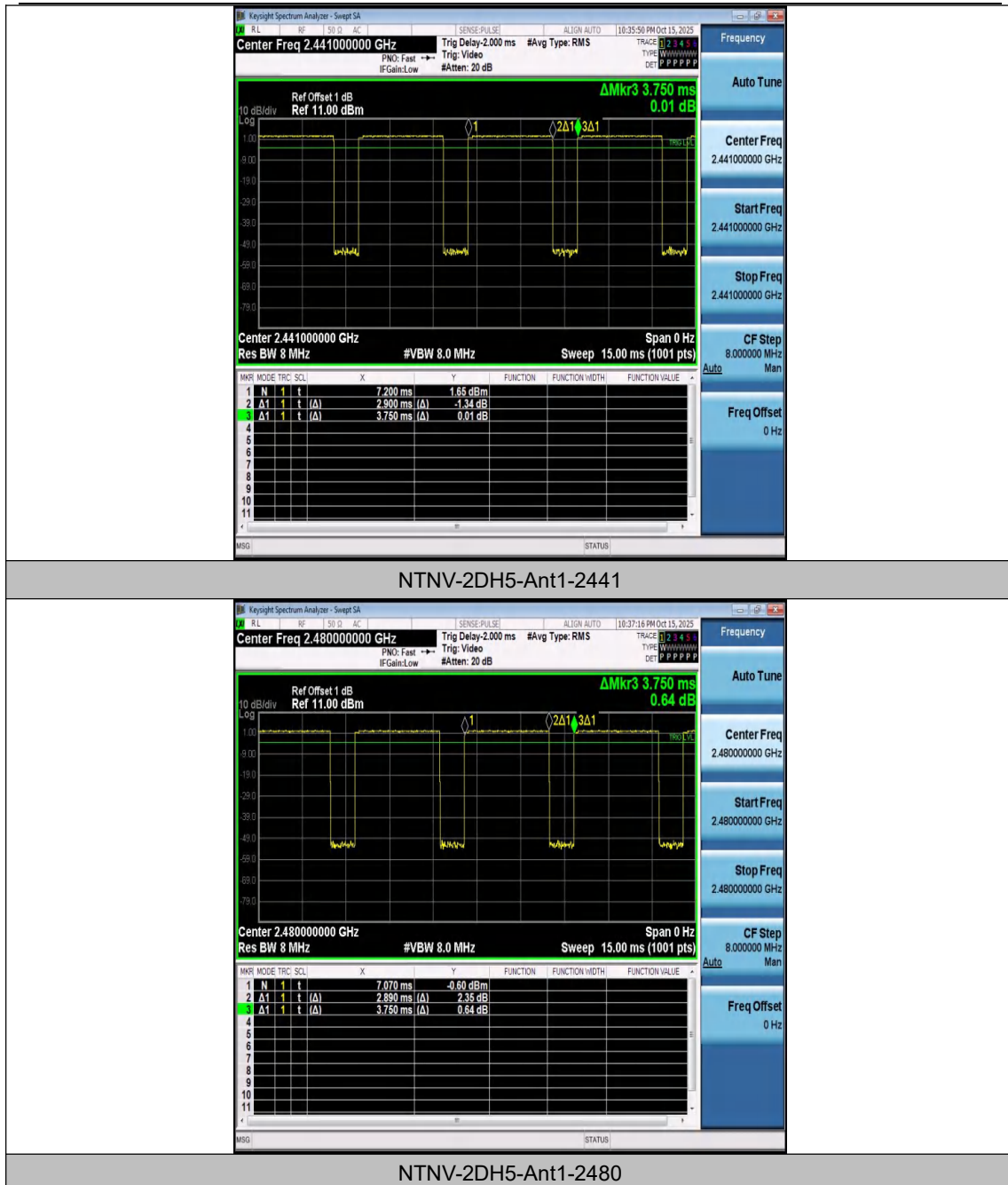


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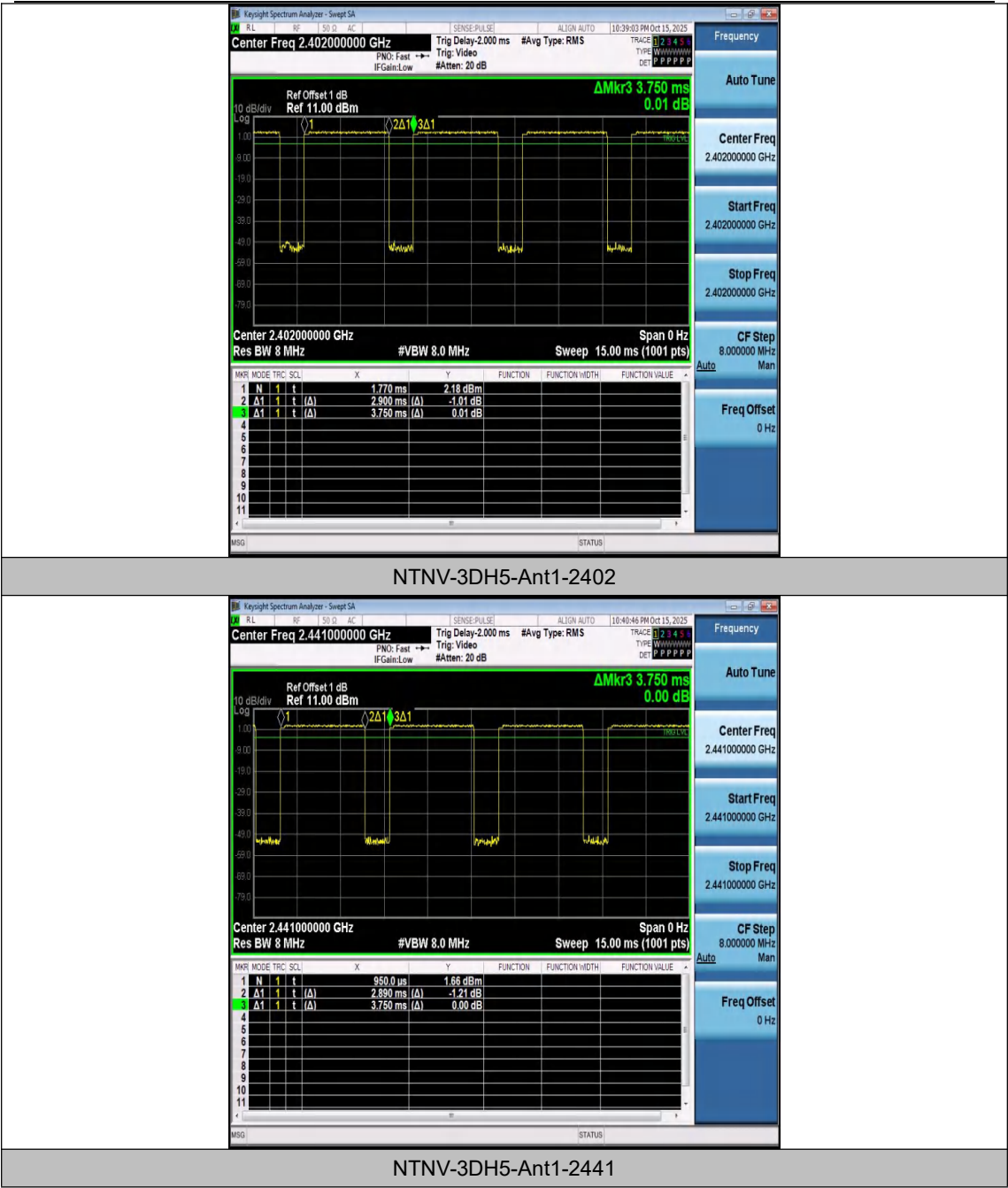




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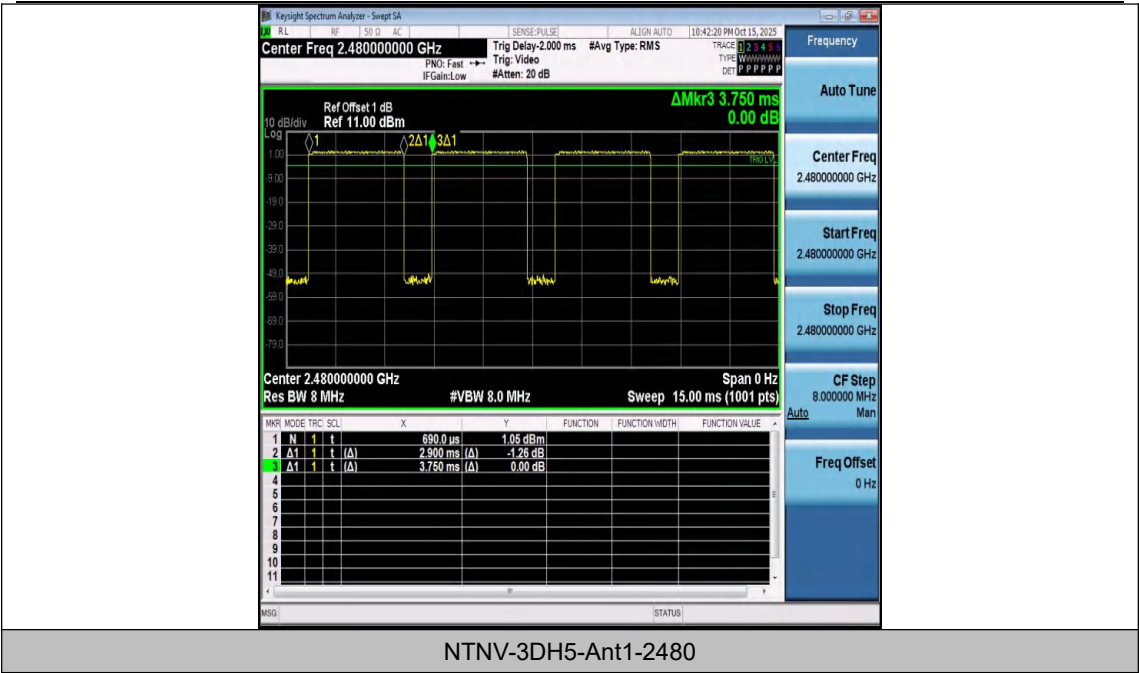
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NTNV-3DH5-Ant1-2480

---End---