

Appendix Test Data

Report No.:	1812C505813125	Test Sample No.:	1-2-2
Start Test Date:	2025-11-4	Finish Test Date:	2025-11-5
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	41%
Pressure:	101kPa		

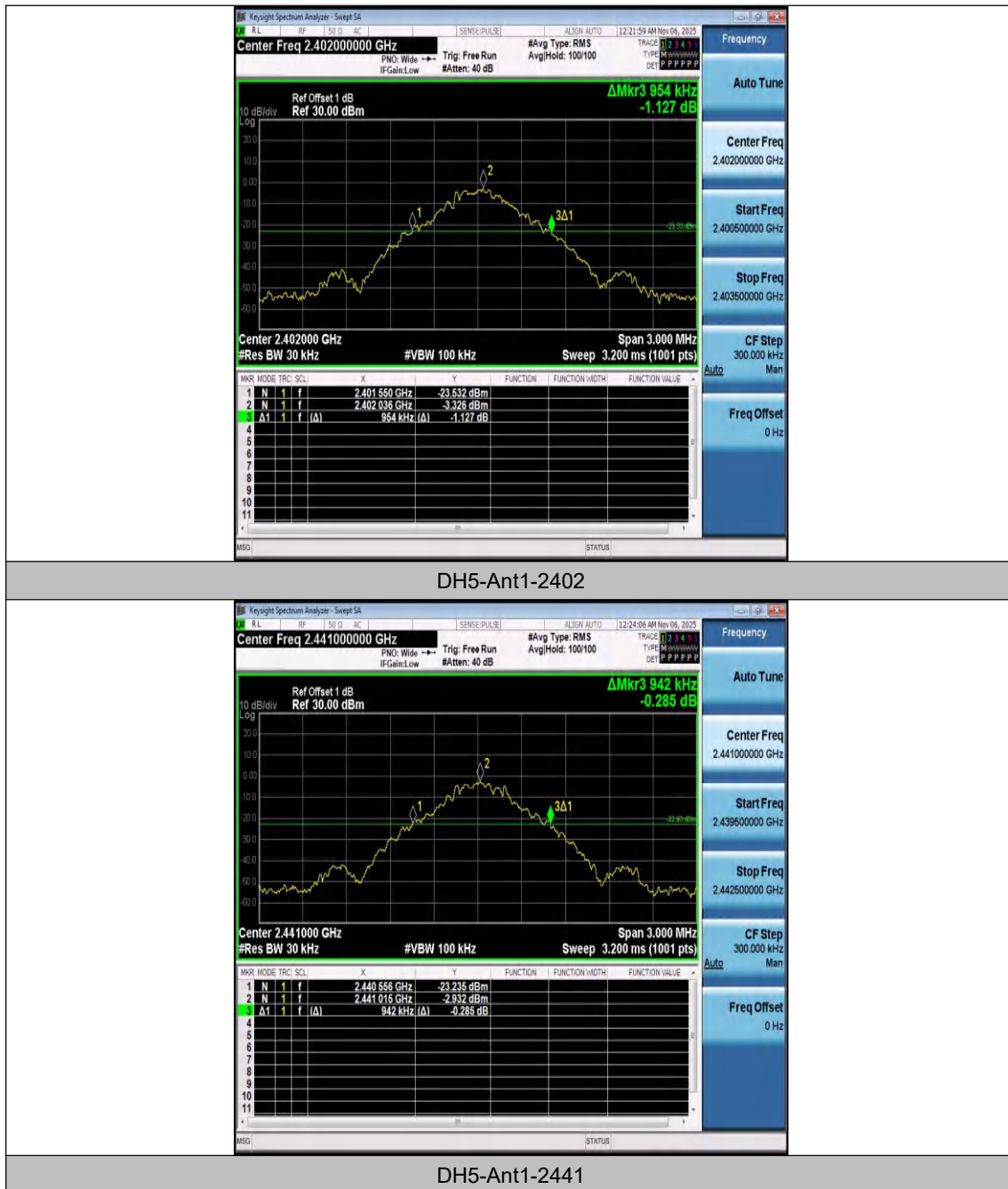


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.550	2402.504	---	---
DH5	Ant1	2441	0.942	2440.556	2441.498	---	---
DH5	Ant1	2480	0.930	2479.556	2480.486	---	---
2DH5	Ant1	2402	1.284	2401.388	2402.672	---	---
2DH5	Ant1	2441	1.314	2440.358	2441.672	---	---
2DH5	Ant1	2480	1.287	2479.385	2480.672	---	---
3DH5	Ant1	2402	1.233	2401.391	2402.624	---	---
3DH5	Ant1	2441	1.248	2440.406	2441.654	---	---
3DH5	Ant1	2480	1.317	2479.355	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	0.85873	2401.5865	2402.4453	---	---
DH5	Ant1	2441	0.88773	2440.5770	2441.4647	---	---
DH5	Ant1	2480	0.87193	2479.5810	2480.4529	---	---
2DH5	Ant1	2402	1.1879	2401.4288	2402.6167	---	---
2DH5	Ant1	2441	1.1836	2440.4259	2441.6095	---	---
2DH5	Ant1	2480	1.1943	2479.4205	2480.6148	---	---
3DH5	Ant1	2402	1.1827	2401.4230	2402.6057	---	---
3DH5	Ant1	2441	1.1720	2440.4316	2441.6036	---	---
3DH5	Ant1	2480	1.1812	2479.4273	2480.6085	---	---

Test Graphs



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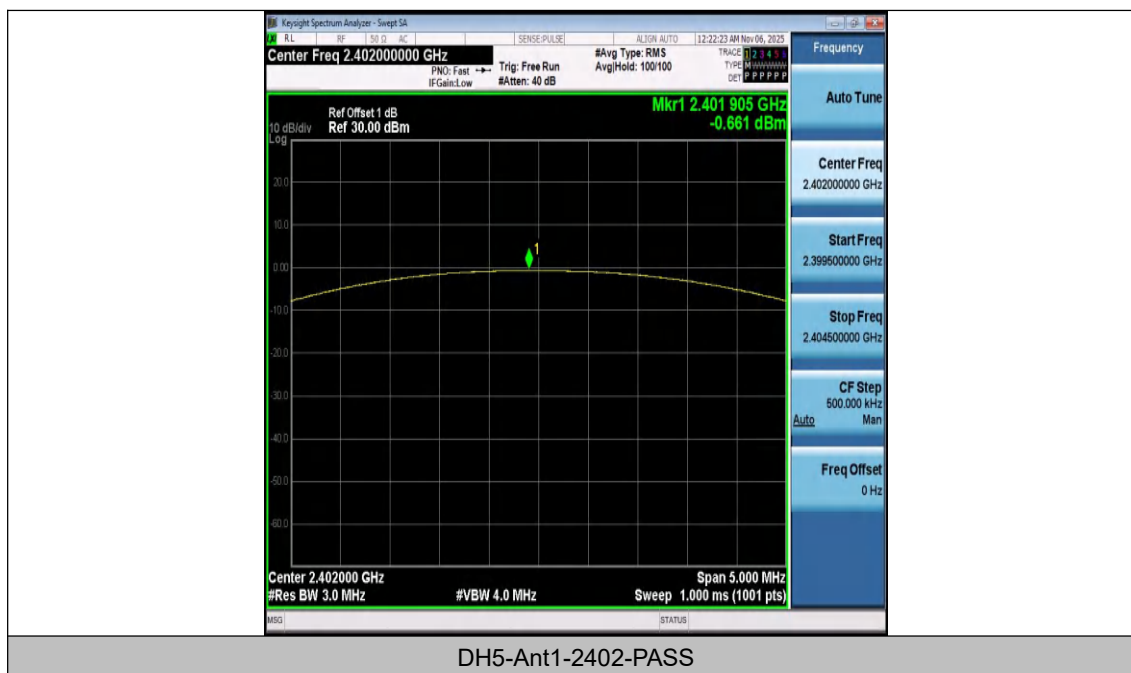
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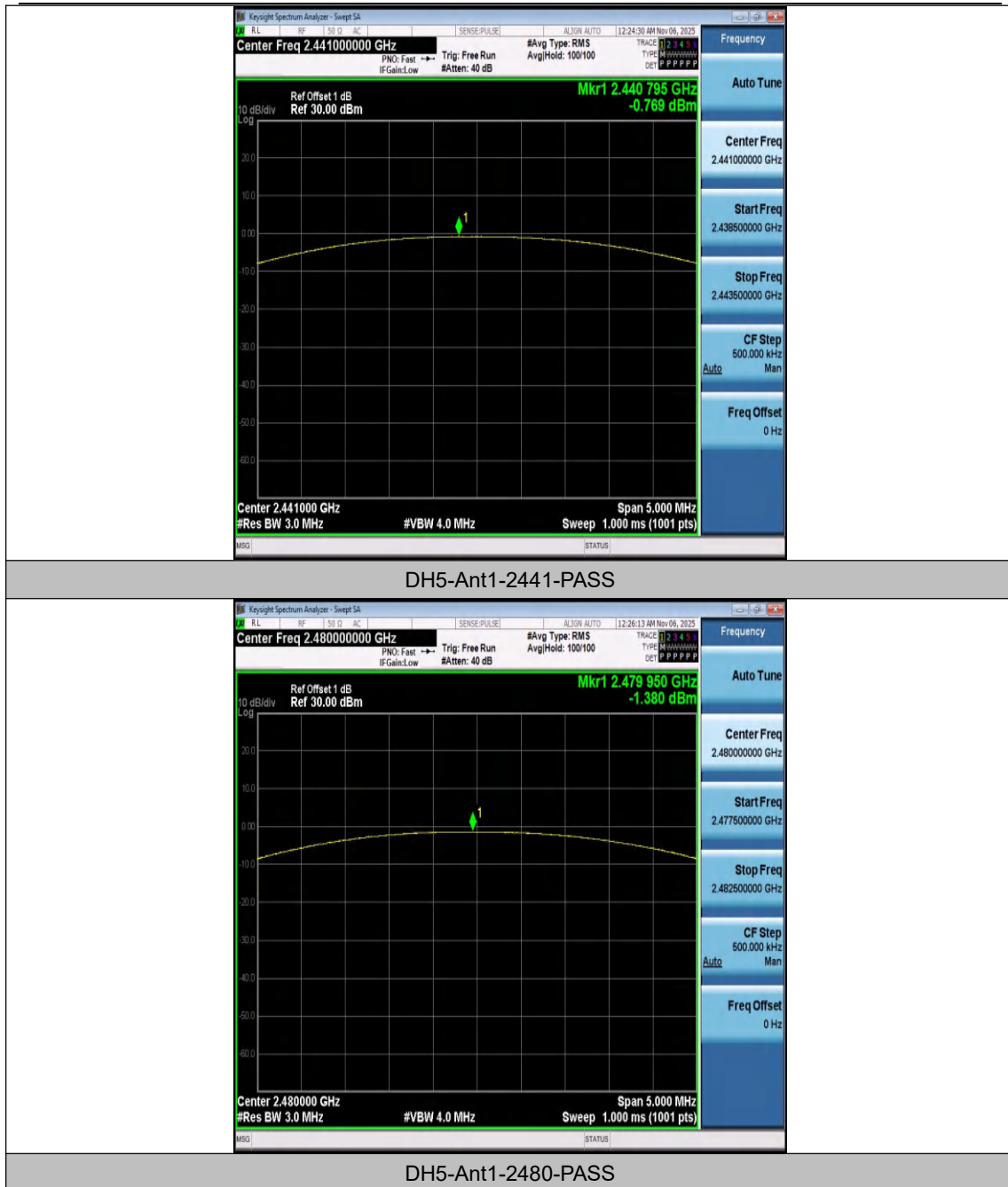
Appendix C: Maximum Conducted Output Power

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	-0.77	≤20.97	PASS
DH5	Ant1	2480	-1.38	≤20.97	PASS
2DH5	Ant1	2402	0.16	≤20.97	PASS
2DH5	Ant1	2441	0.03	≤20.97	PASS
2DH5	Ant1	2480	-0.60	≤20.97	PASS
3DH5	Ant1	2402	0.24	≤20.97	PASS
3DH5	Ant1	2441	0.19	≤20.97	PASS
3DH5	Ant1	2480	-0.44	≤20.97	PASS

Test Graphs

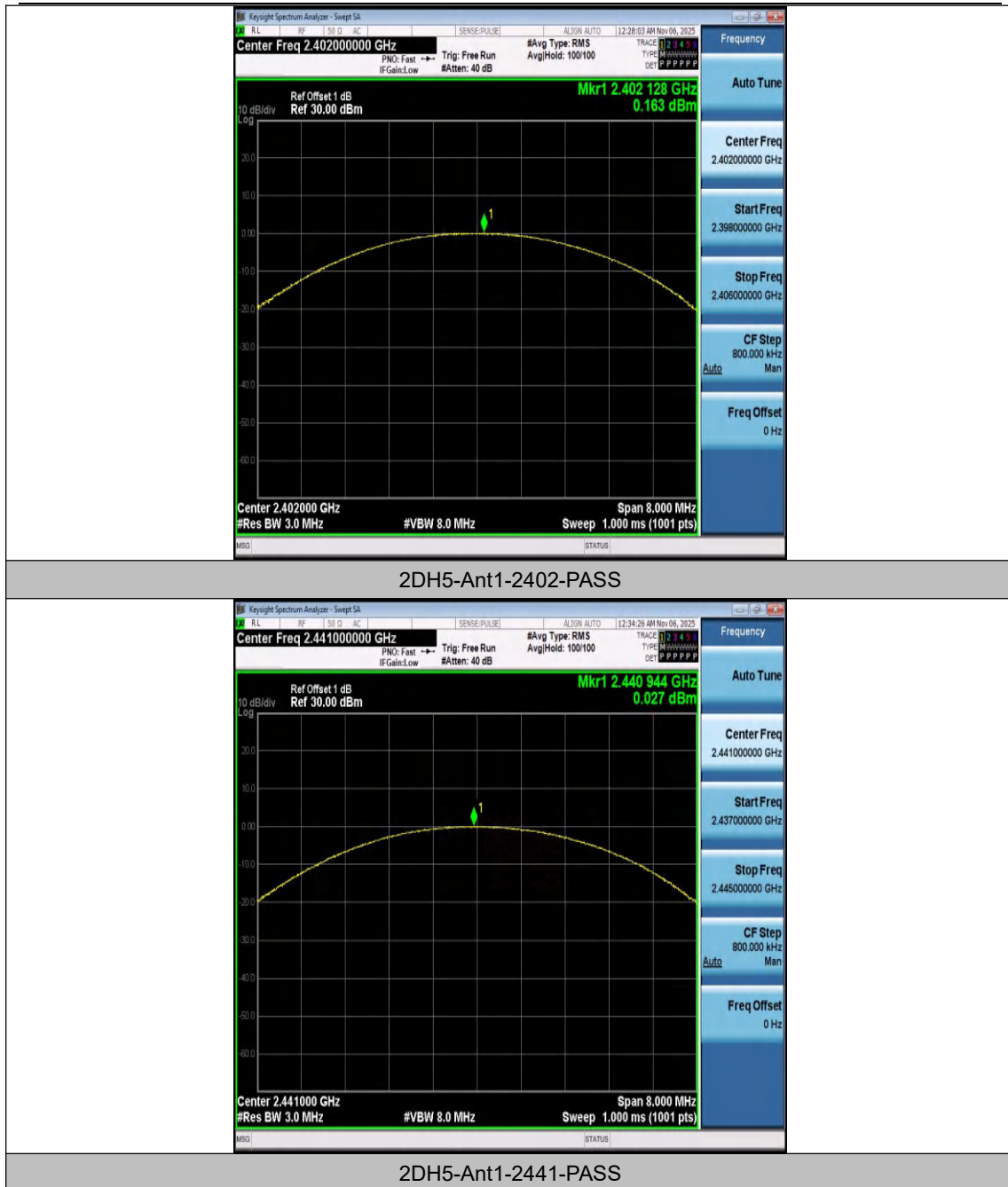




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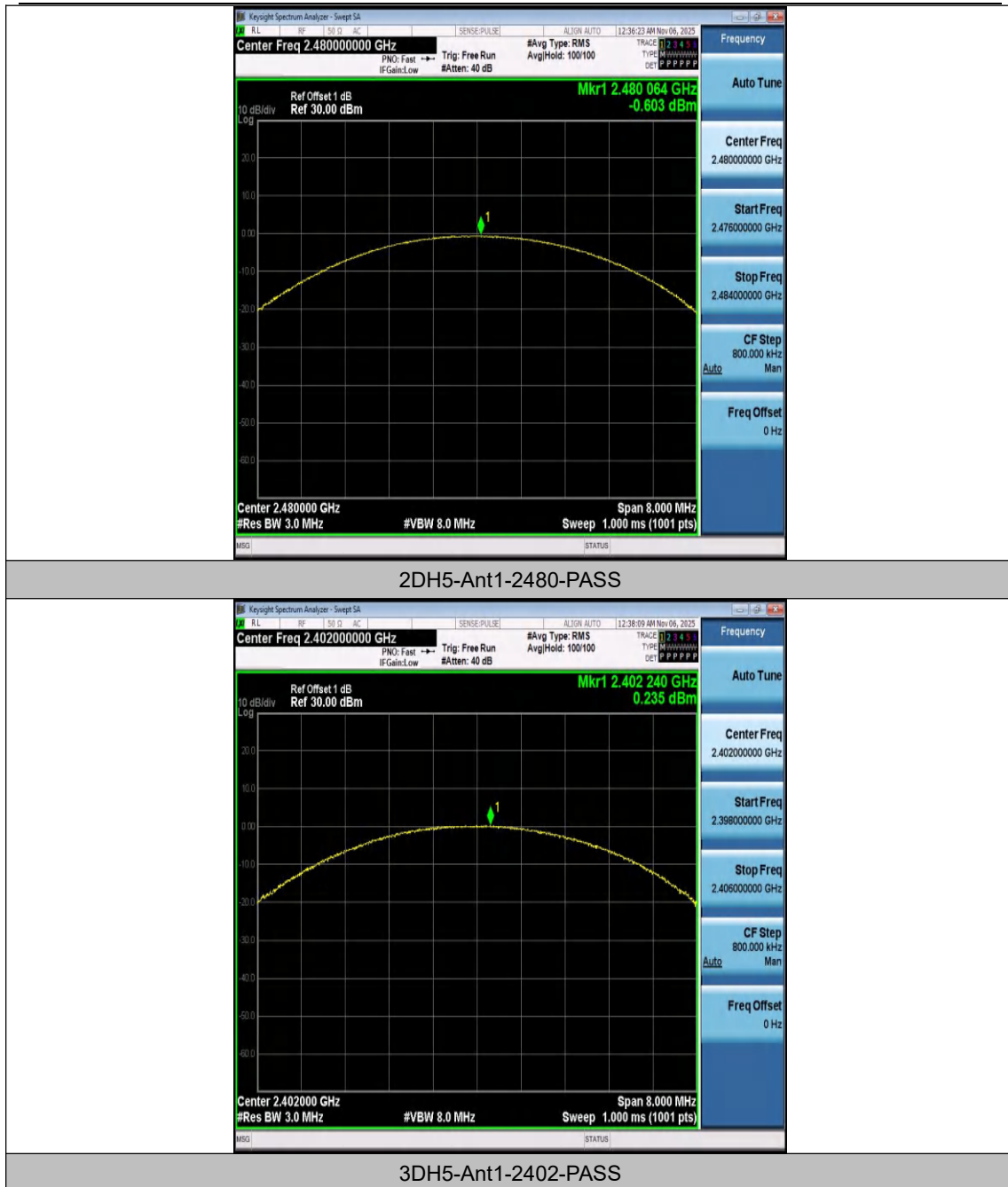
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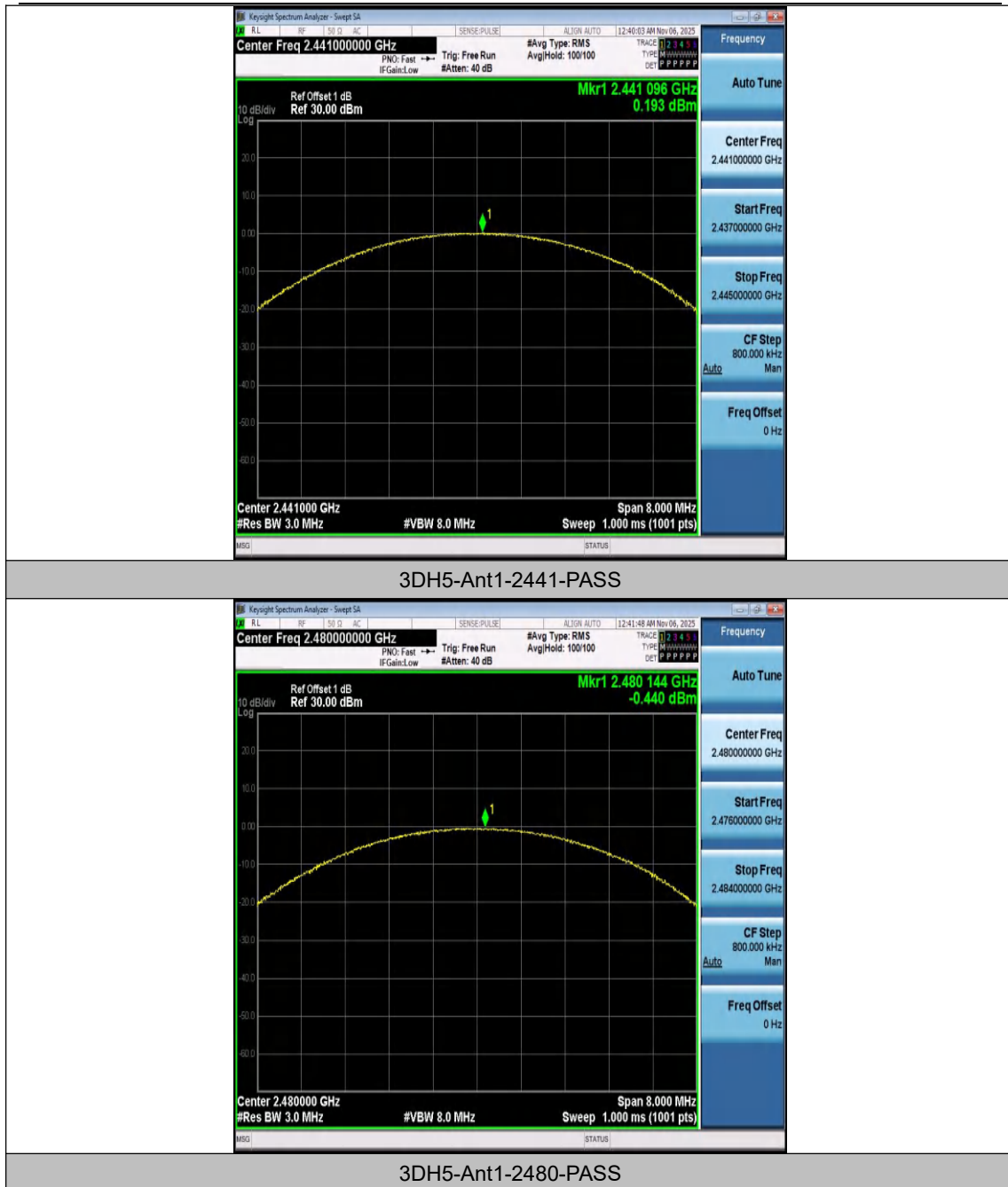
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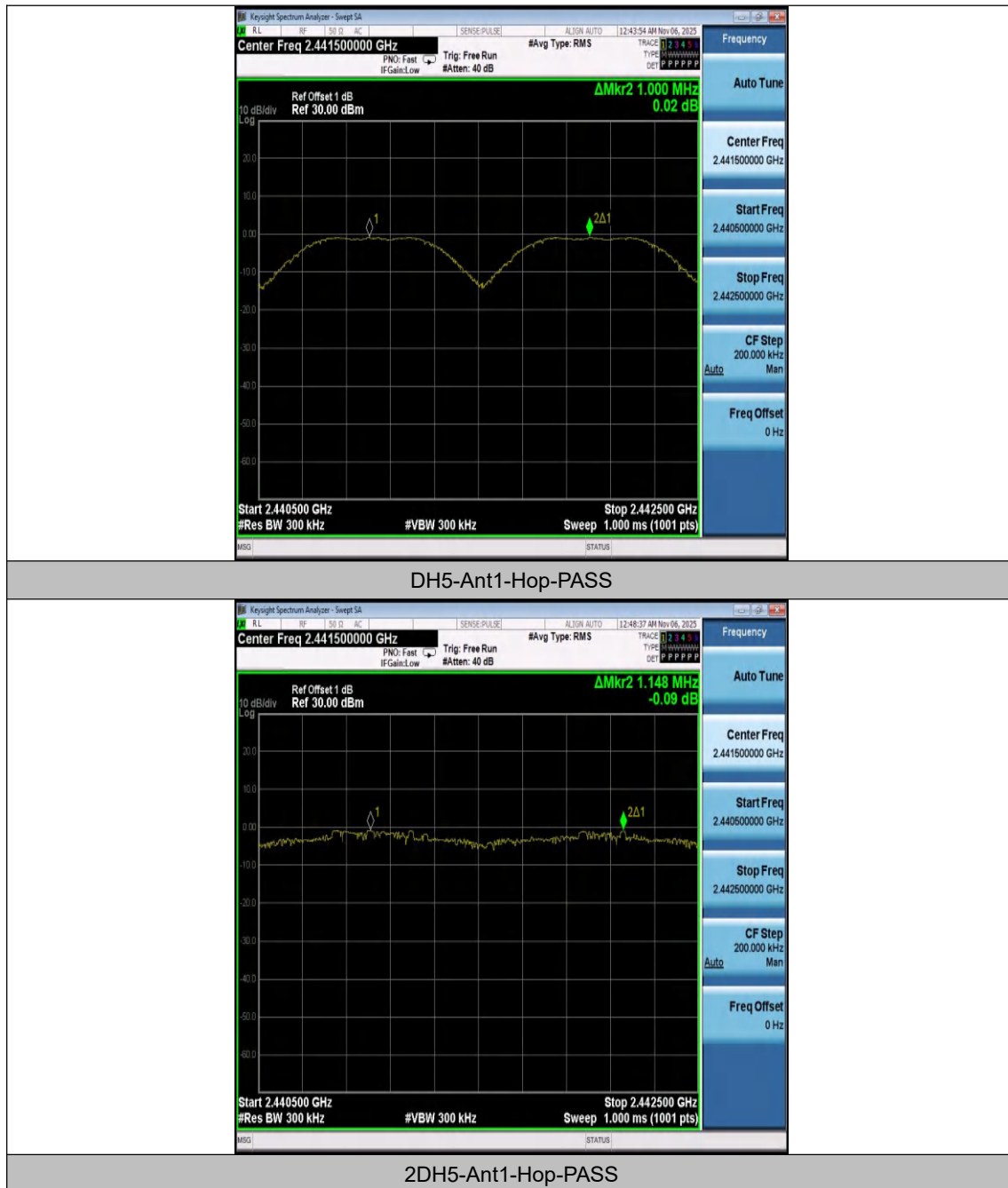
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.954	PASS
2DH5	Ant1	Hop	1.148	≥0.876	PASS
3DH5	Ant1	Hop	0.984	≥0.878	PASS

Test Graphs



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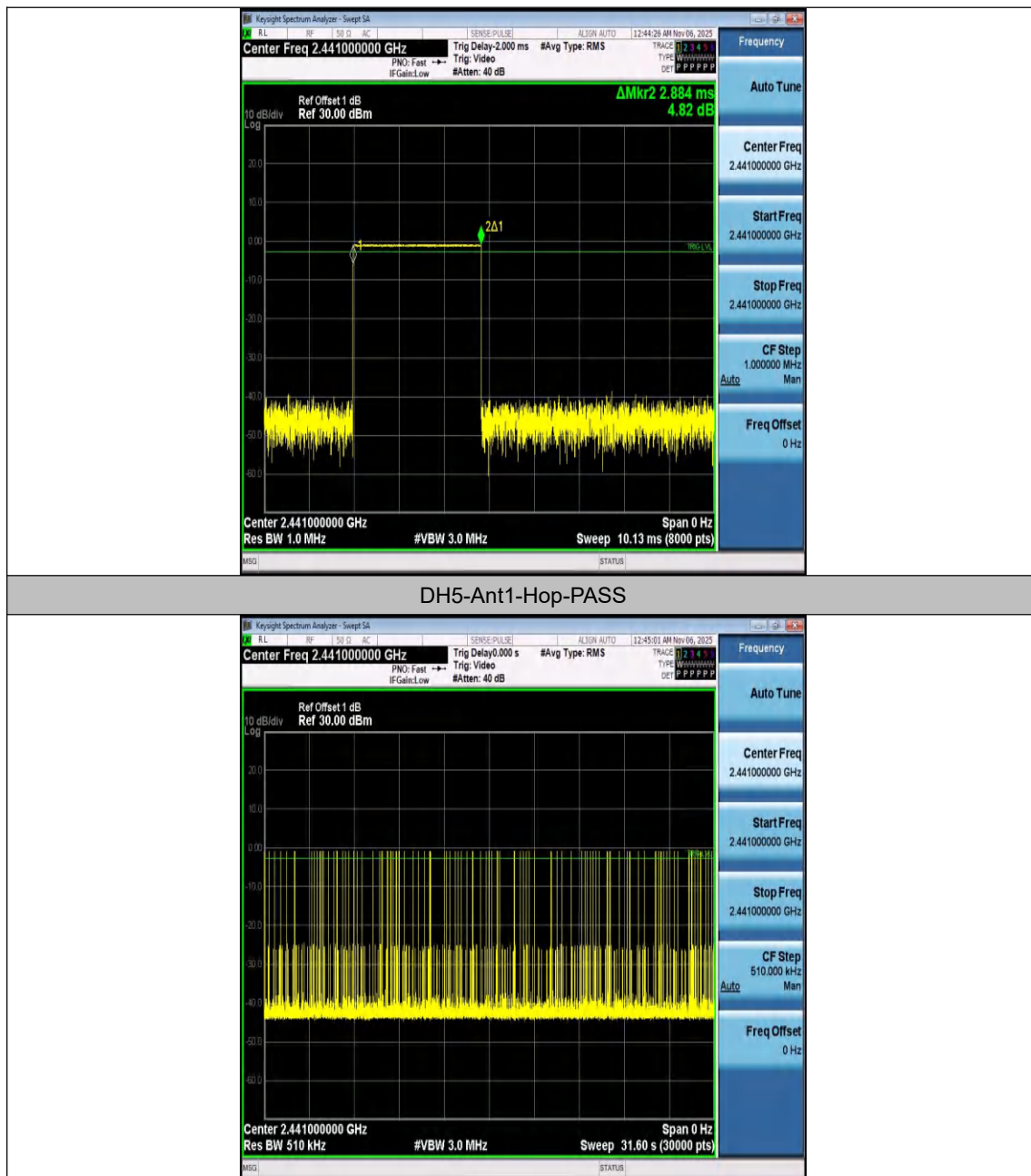
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	103	0.297	≤0.4	PASS
2DH5	Ant1	Hop	2.891	109	0.315	≤0.4	PASS
3DH5	Ant1	Hop	2.892	117	0.338	≤0.4	PASS

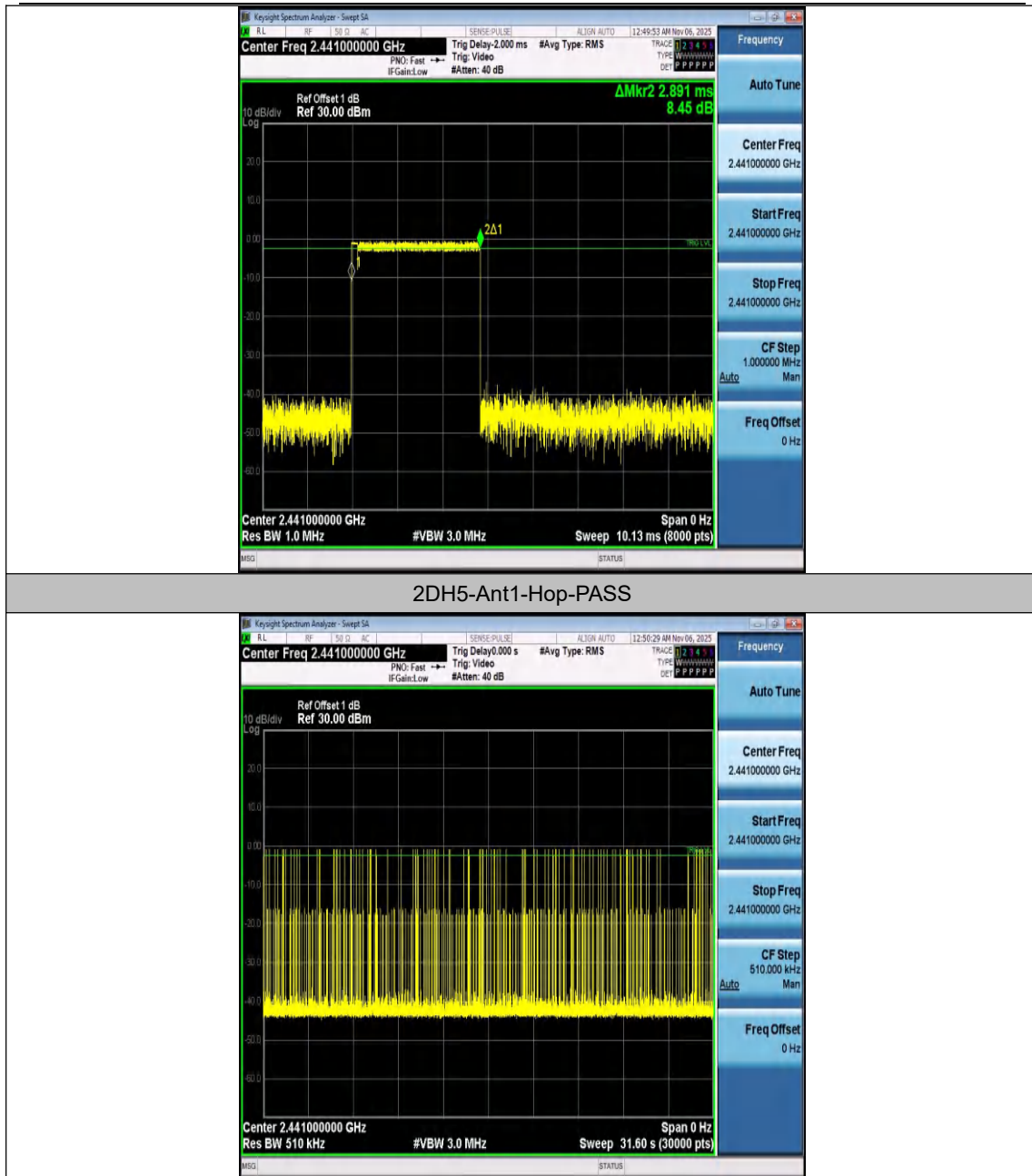
Test Graphs



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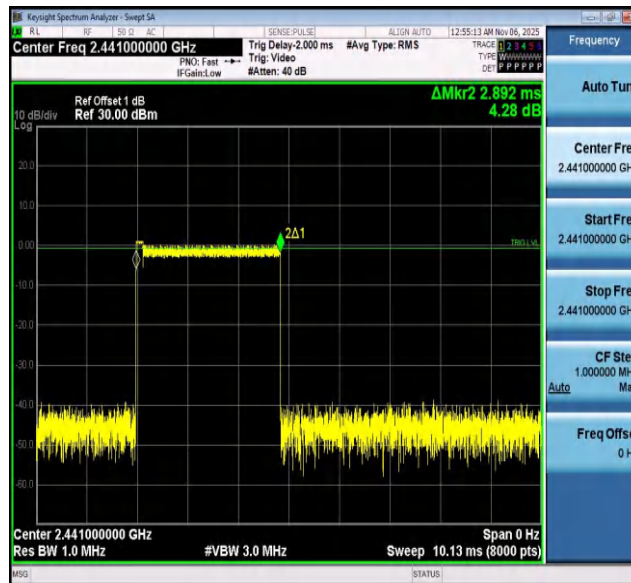
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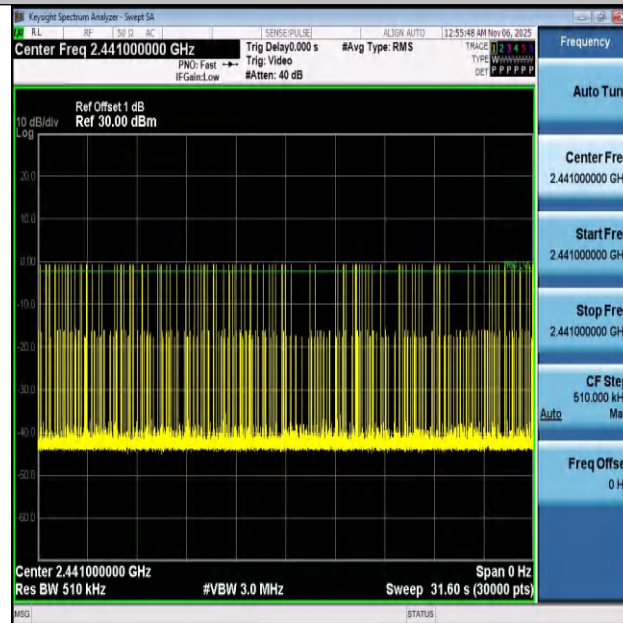
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3DH5-Ant1-Hop-PASS



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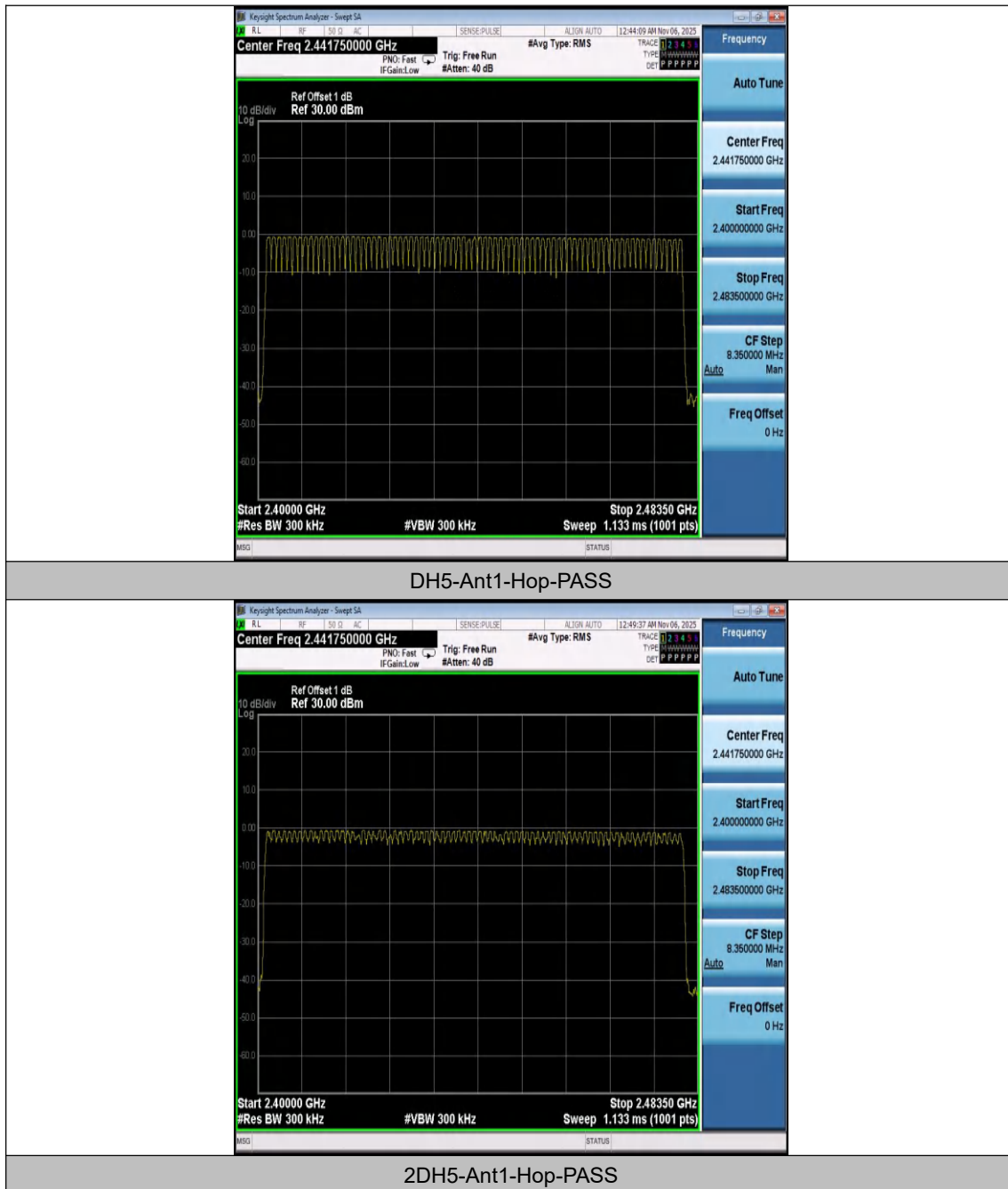
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Appendix F: Number of Hopping Channel

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

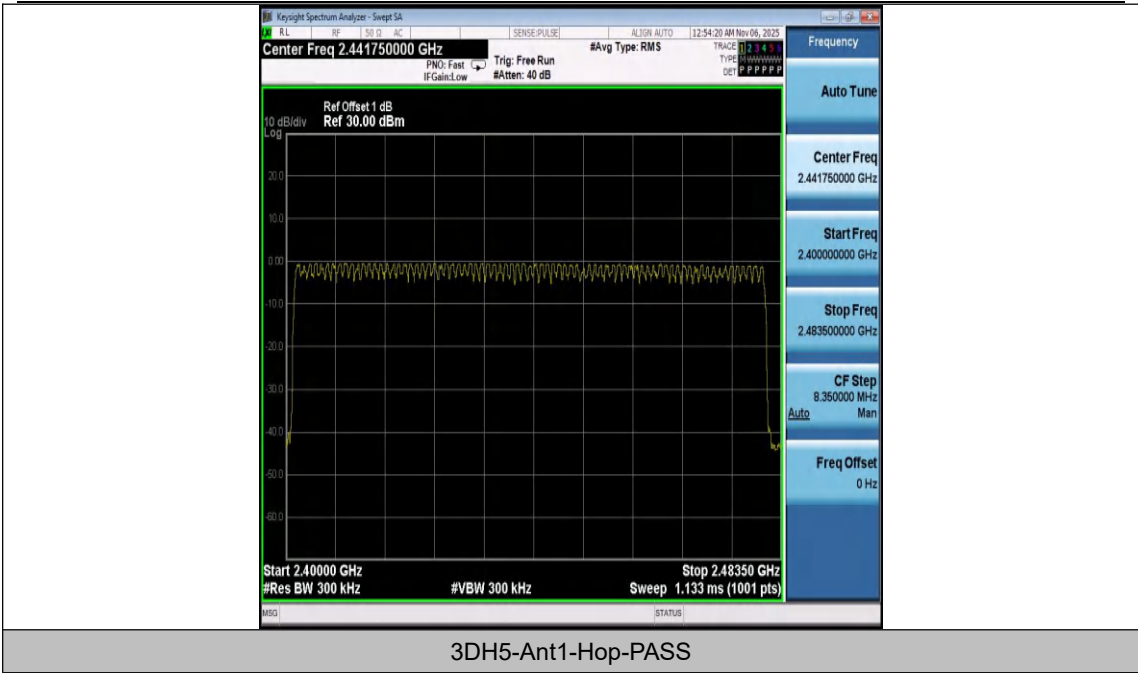
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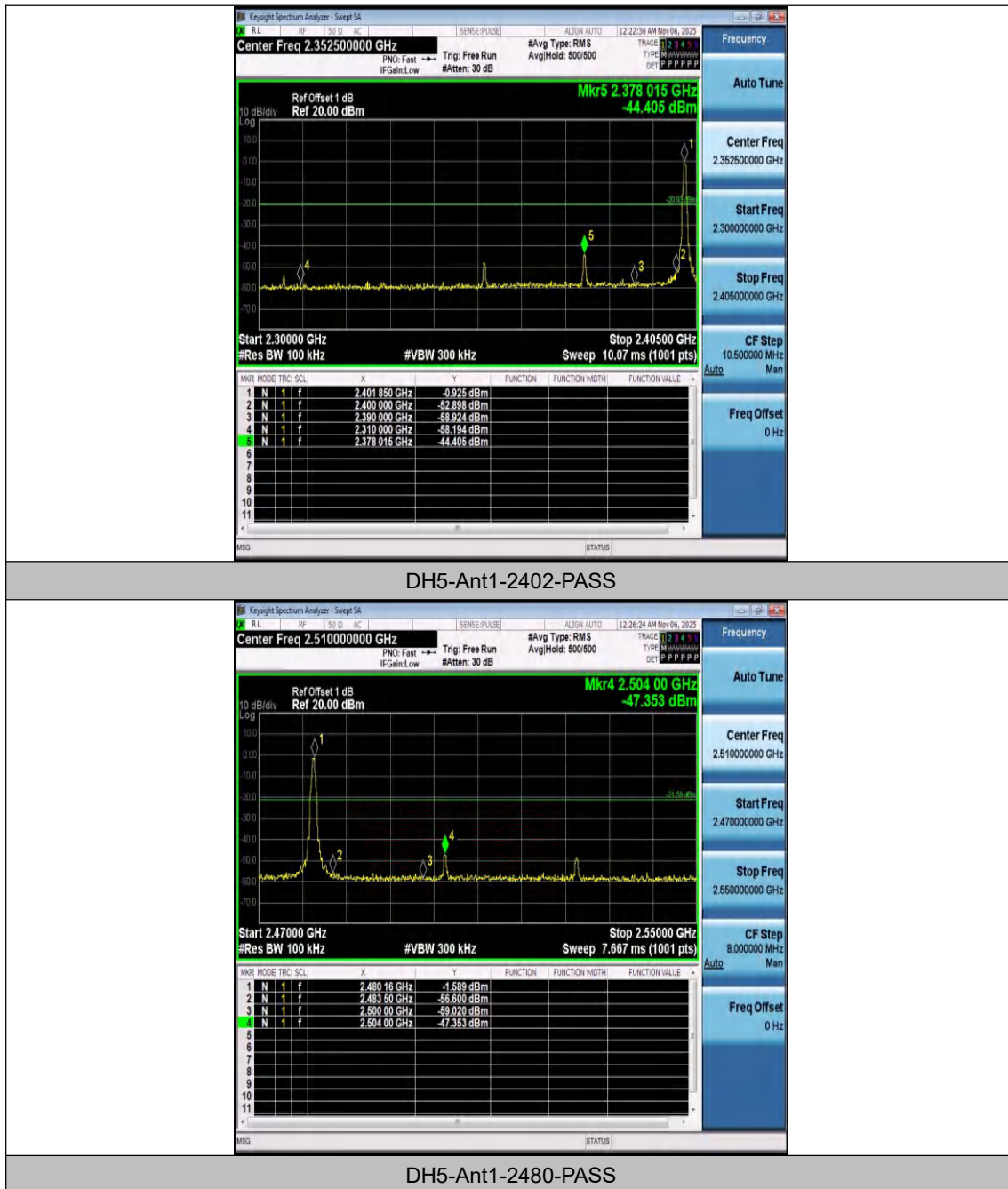
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.93	-44.41	≤-20.93	PASS
DH5	Ant1	High	2480	-1.59	-47.35	≤-21.59	PASS
DH5	Ant1	Low	Hop_2402	-1.07	-44.84	≤-21.07	PASS
DH5	Ant1	High	Hop_2480	-1.98	-47.11	≤-21.98	PASS
2DH5	Ant1	Low	2402	-0.92	-44.37	≤-20.92	PASS
2DH5	Ant1	High	2480	-1.51	-48.64	≤-21.51	PASS
2DH5	Ant1	Low	Hop_2402	-0.88	-44.7	≤-20.88	PASS
2DH5	Ant1	High	Hop_2480	-1.53	-47.48	≤-21.53	PASS
3DH5	Ant1	Low	2402	-0.63	-44.18	≤-20.63	PASS
3DH5	Ant1	High	2480	-1.38	-47.02	≤-21.38	PASS
3DH5	Ant1	Low	Hop_2402	-4.18	-45.29	≤-24.18	PASS
3DH5	Ant1	High	Hop_2480	-1.21	-47.38	≤-21.21	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.

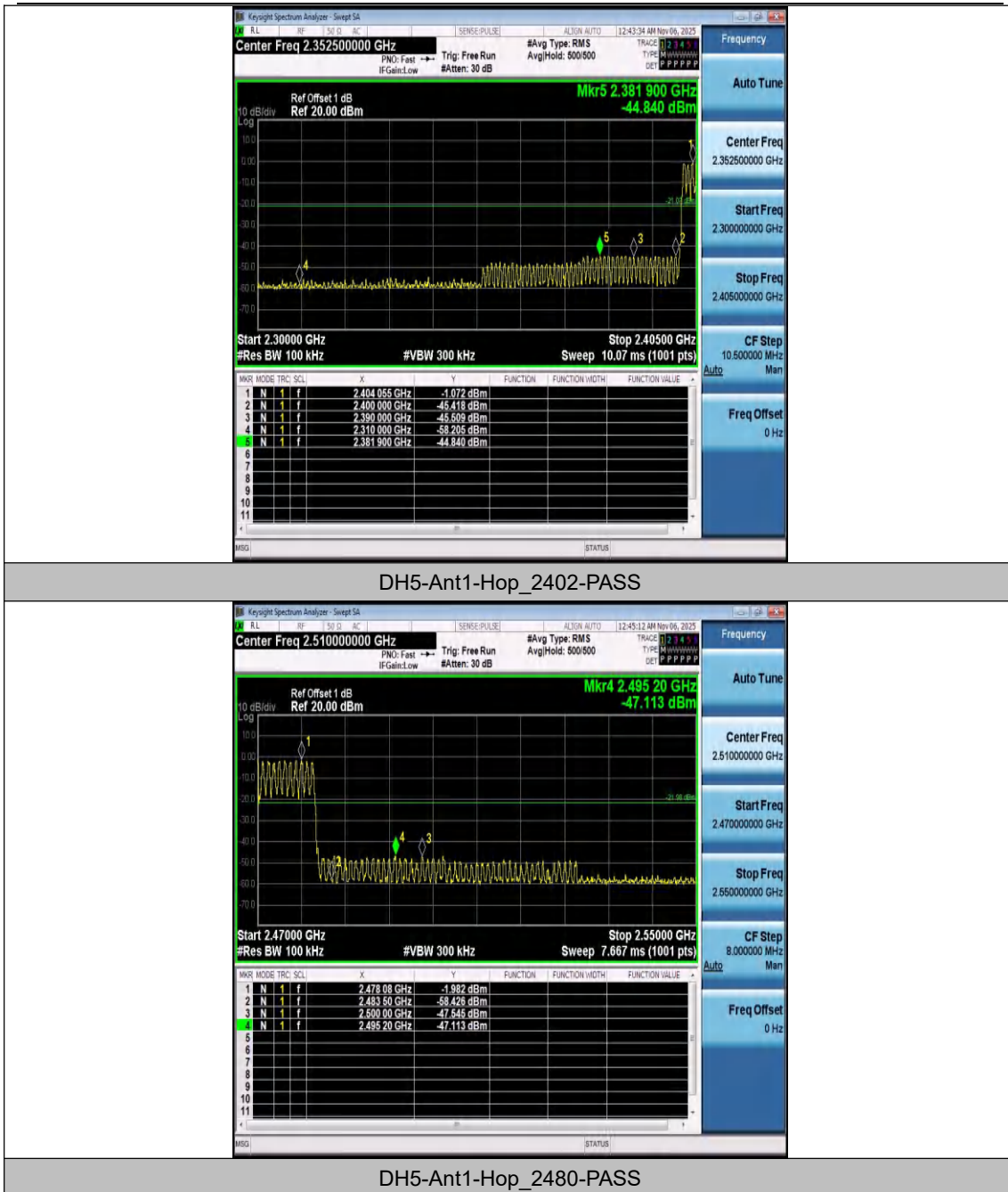
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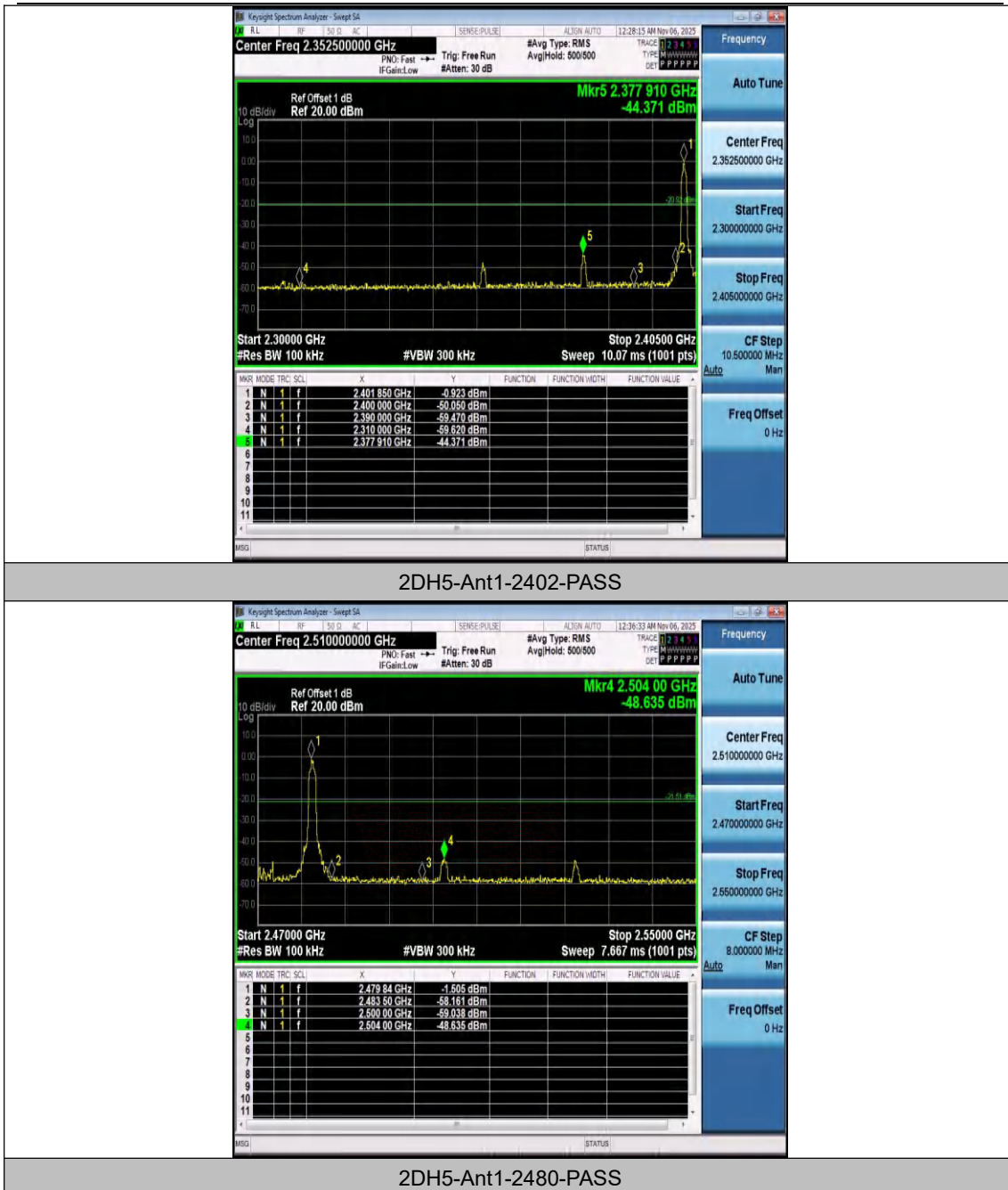


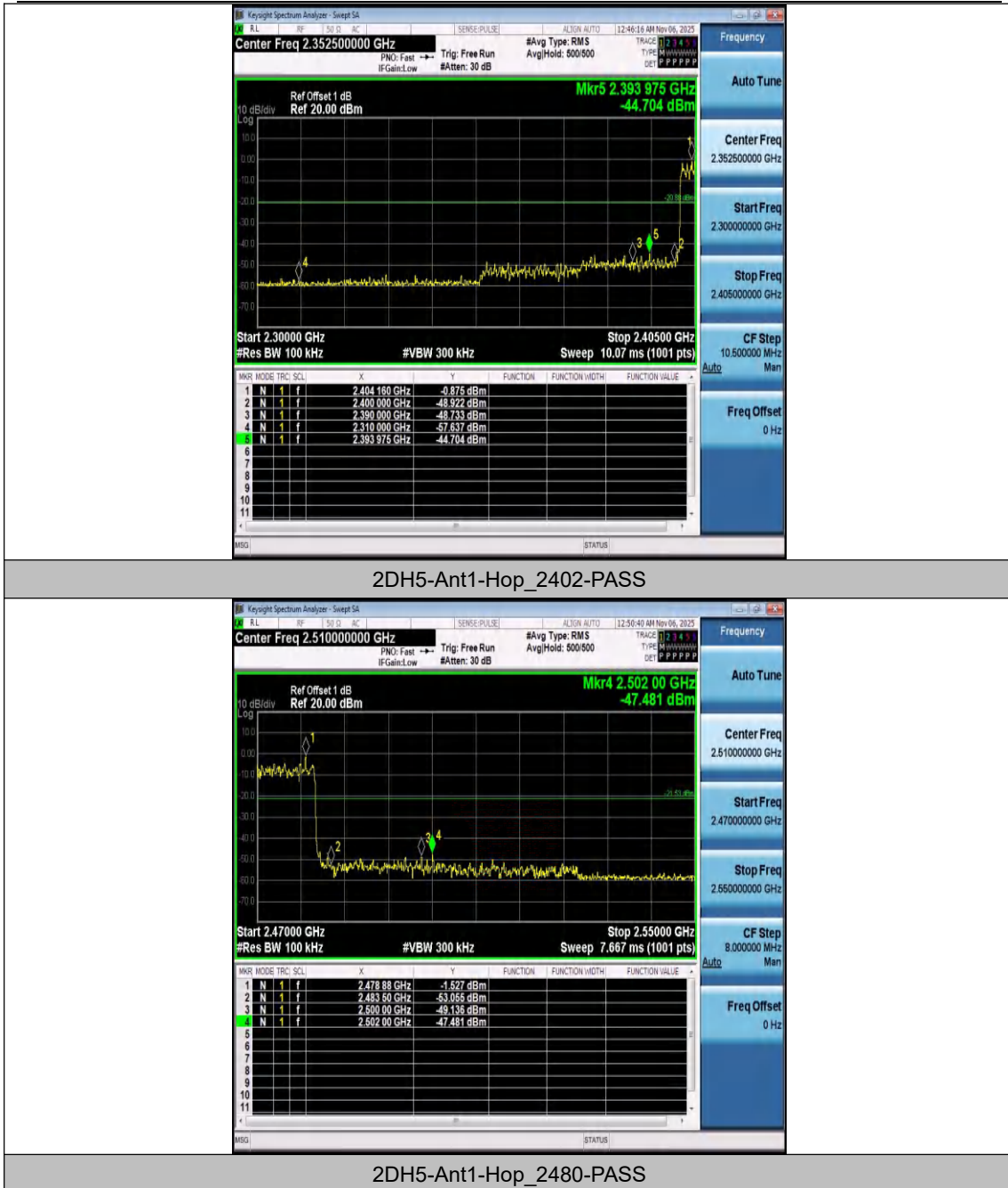
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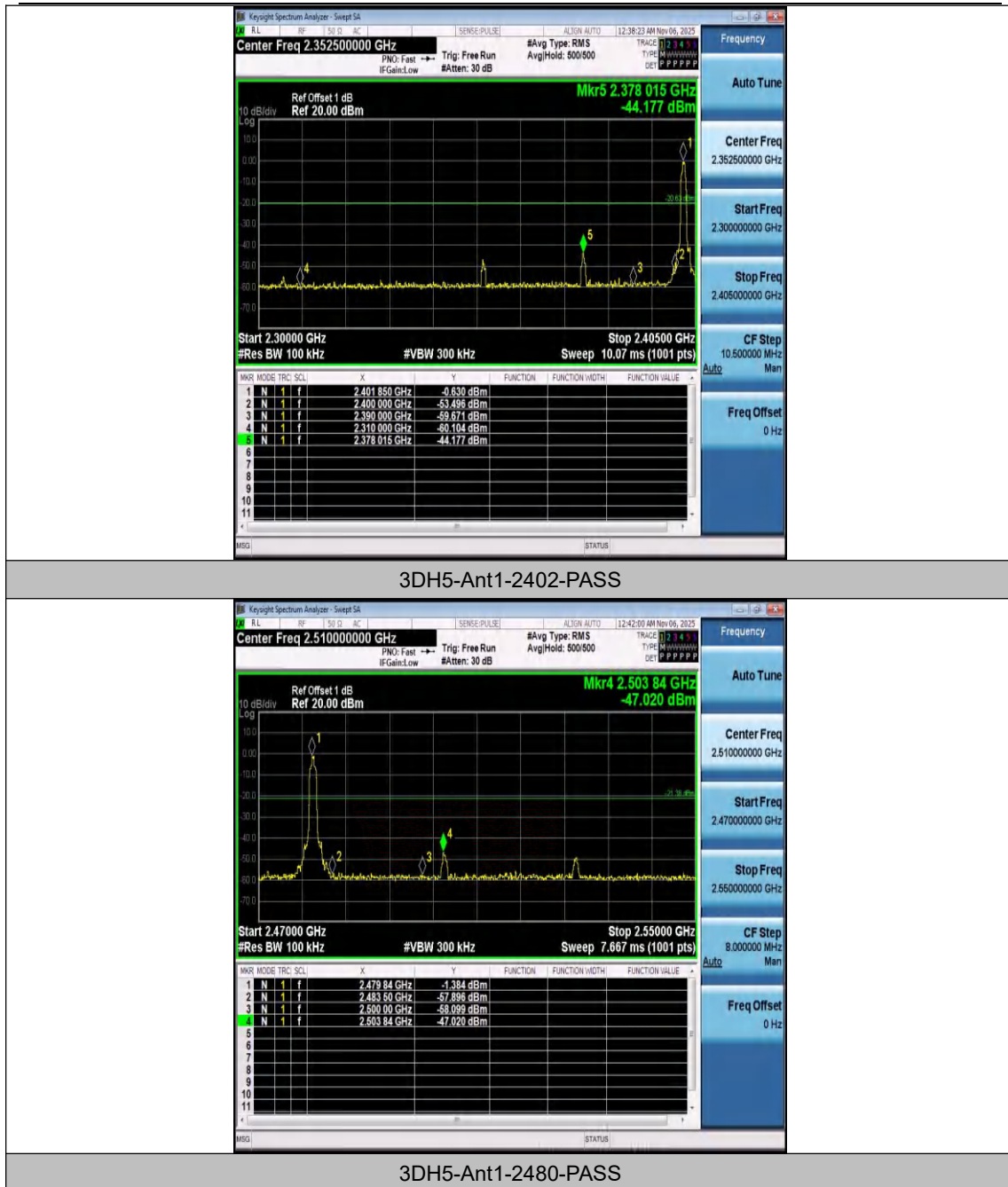
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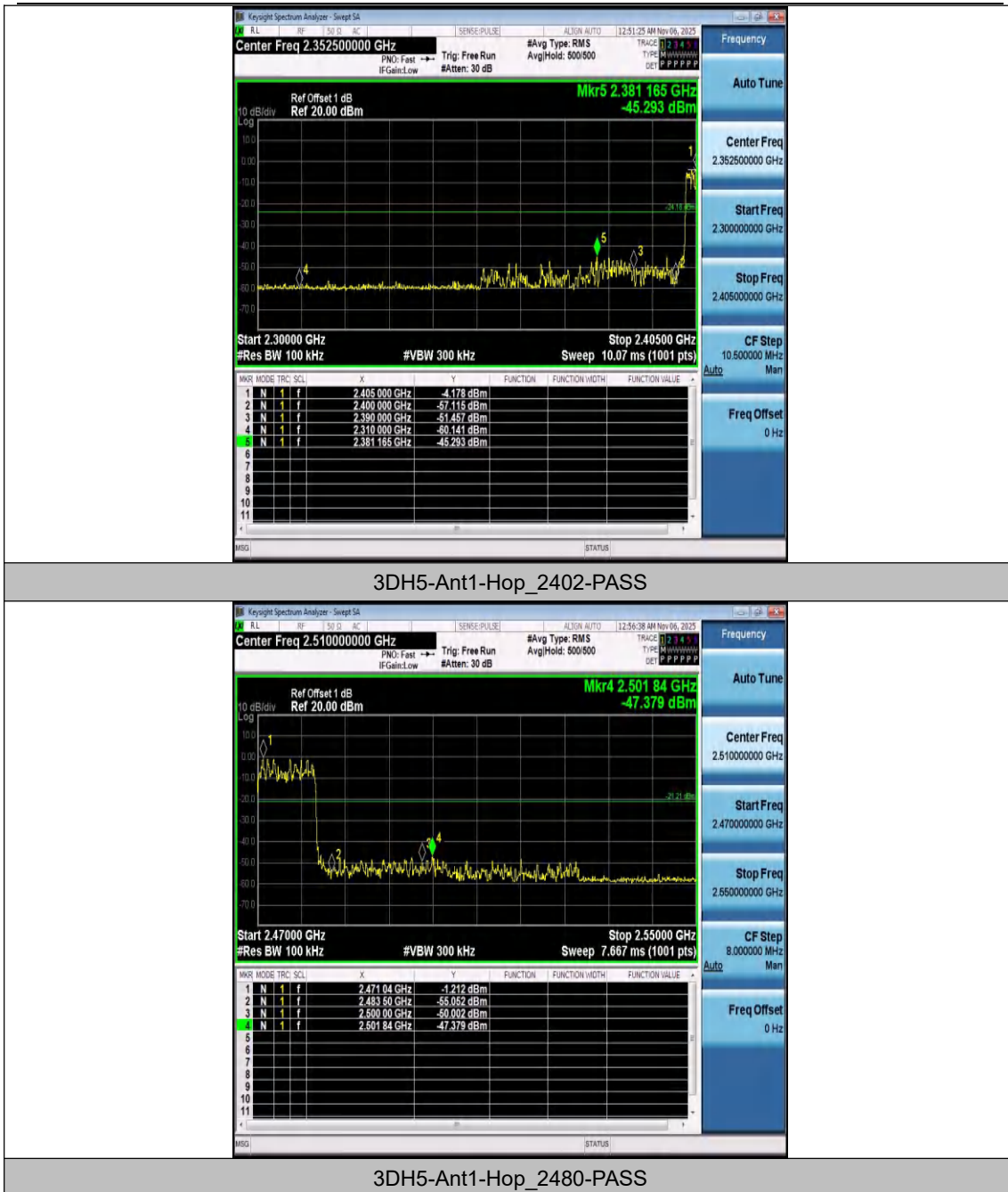
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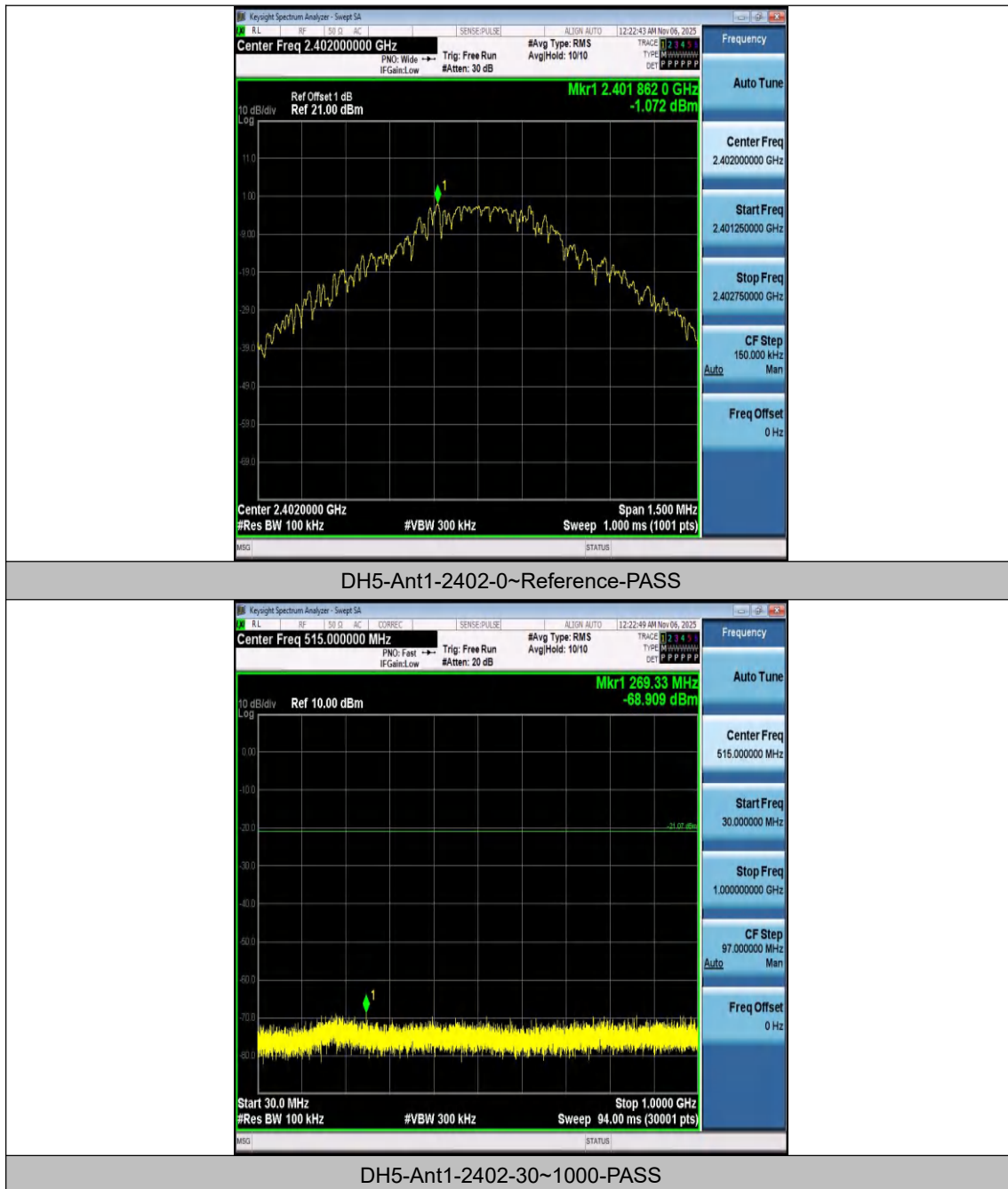
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.07	-1.07	---	PASS
DH5	Ant1	2402	30~1000	-1.07	-68.91	≤-21.07	PASS
DH5	Ant1	2402	1000~26500	-1.07	-40.39	≤-21.07	PASS
DH5	Ant1	2441	0~Reference	-1.68	-1.68	---	PASS
DH5	Ant1	2441	30~1000	-1.68	-68.91	≤-21.68	PASS
DH5	Ant1	2441	1000~26500	-1.68	-40.61	≤-21.68	PASS
DH5	Ant1	2480	0~Reference	-2.21	-2.21	---	PASS
DH5	Ant1	2480	30~1000	-2.21	-68.57	≤-22.21	PASS
DH5	Ant1	2480	1000~26500	-2.21	-40.91	≤-22.21	PASS
2DH5	Ant1	2402	0~Reference	-1.88	-1.88	---	PASS
2DH5	Ant1	2402	30~1000	-1.88	-68.22	≤-21.88	PASS
2DH5	Ant1	2402	1000~26500	-1.88	-40.46	≤-21.88	PASS
2DH5	Ant1	2441	0~Reference	-1.43	-1.43	---	PASS
2DH5	Ant1	2441	30~1000	-1.43	-67.56	≤-21.43	PASS
2DH5	Ant1	2441	1000~26500	-1.43	-40.43	≤-21.43	PASS
2DH5	Ant1	2480	0~Reference	-5.50	-5.50	---	PASS
2DH5	Ant1	2480	30~1000	-5.50	-67.99	≤-25.5	PASS
2DH5	Ant1	2480	1000~26500	-5.50	-40.73	≤-25.5	PASS
3DH5	Ant1	2402	0~Reference	-3.62	-3.62	---	PASS
3DH5	Ant1	2402	30~1000	-3.62	-68.12	≤-23.62	PASS
3DH5	Ant1	2402	1000~26500	-3.62	-40.28	≤-23.62	PASS
3DH5	Ant1	2441	0~Reference	-1.75	-1.75	---	PASS
3DH5	Ant1	2441	30~1000	-1.75	-68.13	≤-21.75	PASS
3DH5	Ant1	2441	1000~26500	-1.75	-40.67	≤-21.75	PASS
3DH5	Ant1	2480	0~Reference	-2.66	-2.66	---	PASS
3DH5	Ant1	2480	30~1000	-2.66	-68.59	≤-22.66	PASS
3DH5	Ant1	2480	1000~26500	-2.66	-40.43	≤-22.66	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.

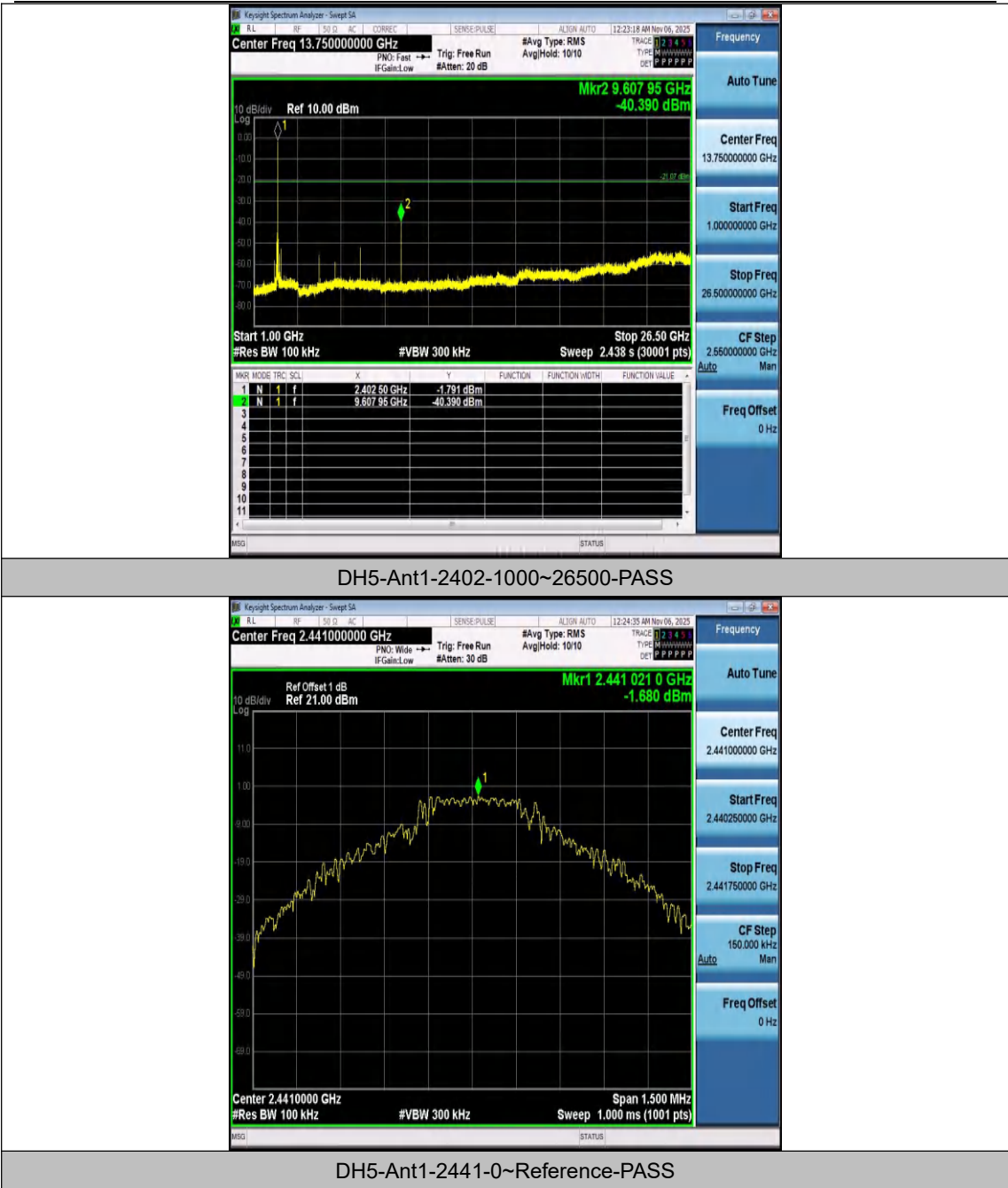
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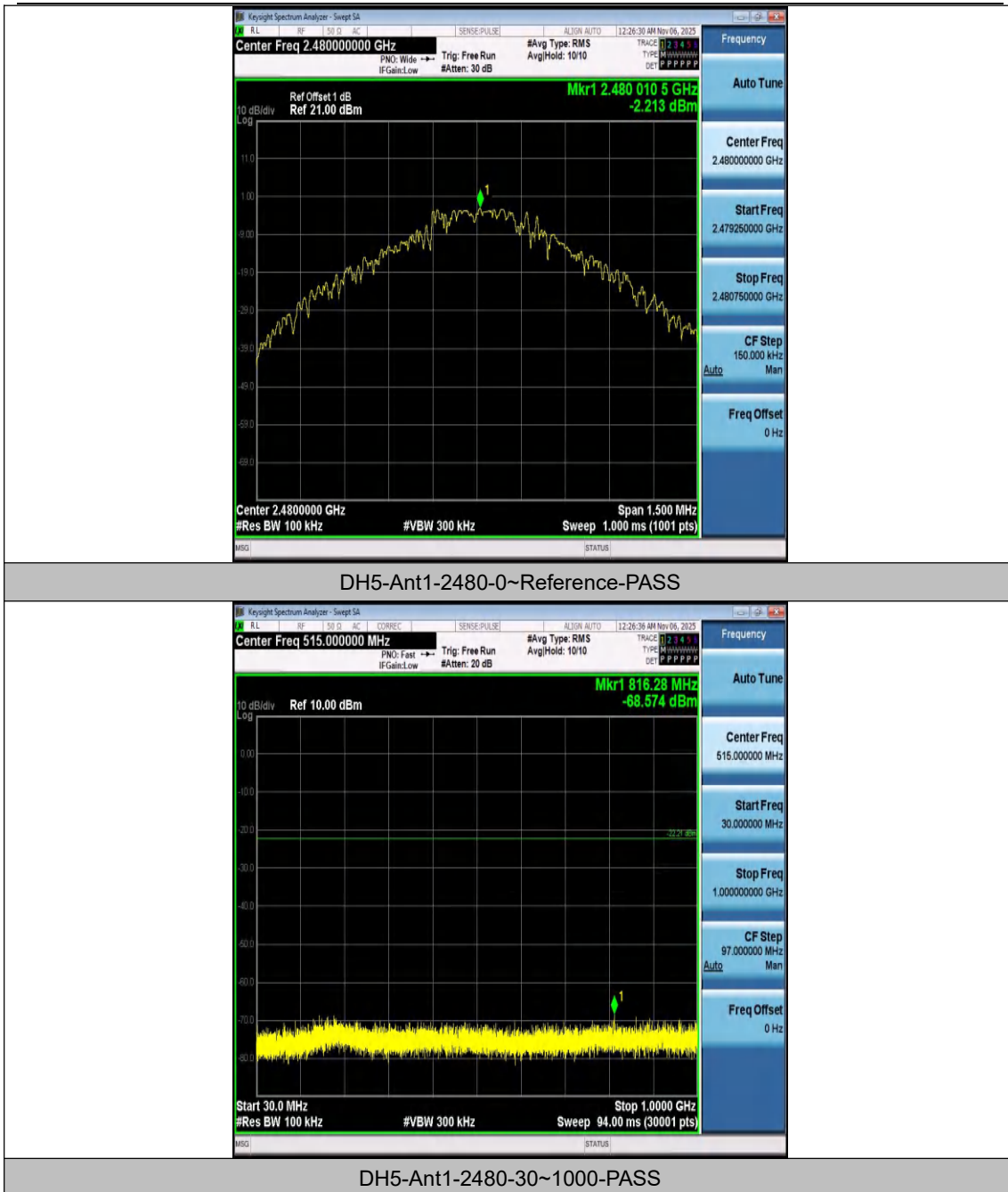


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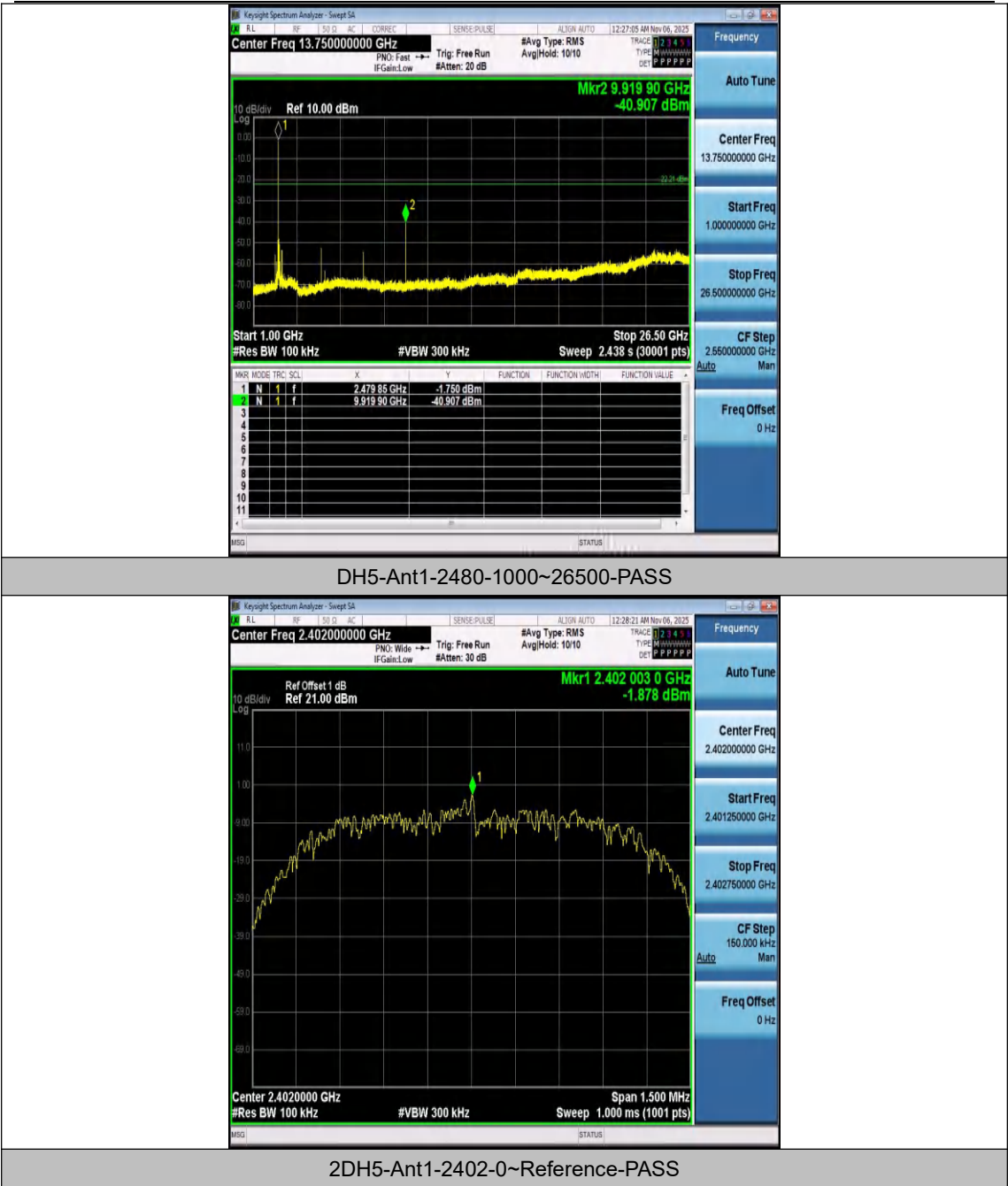


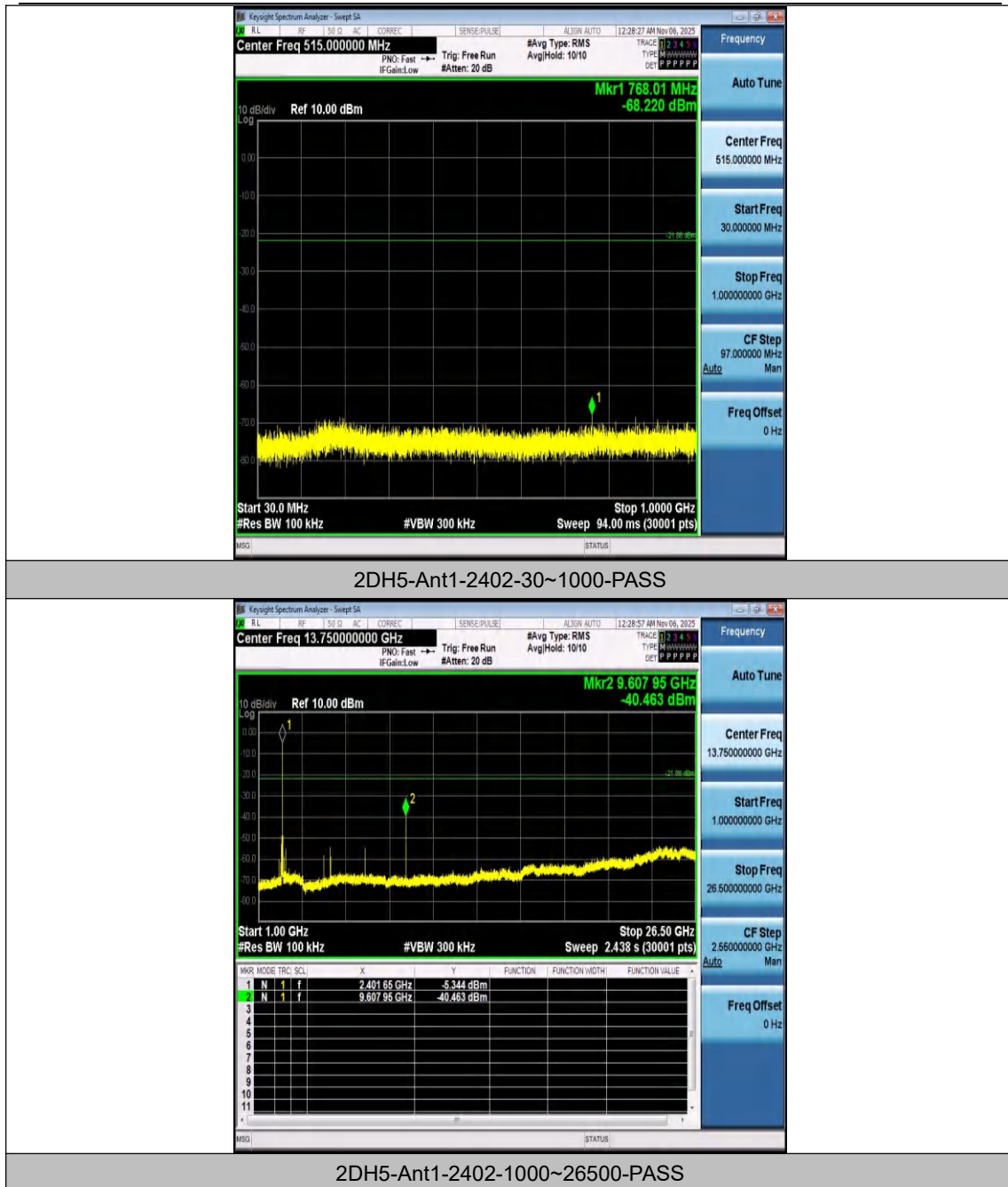


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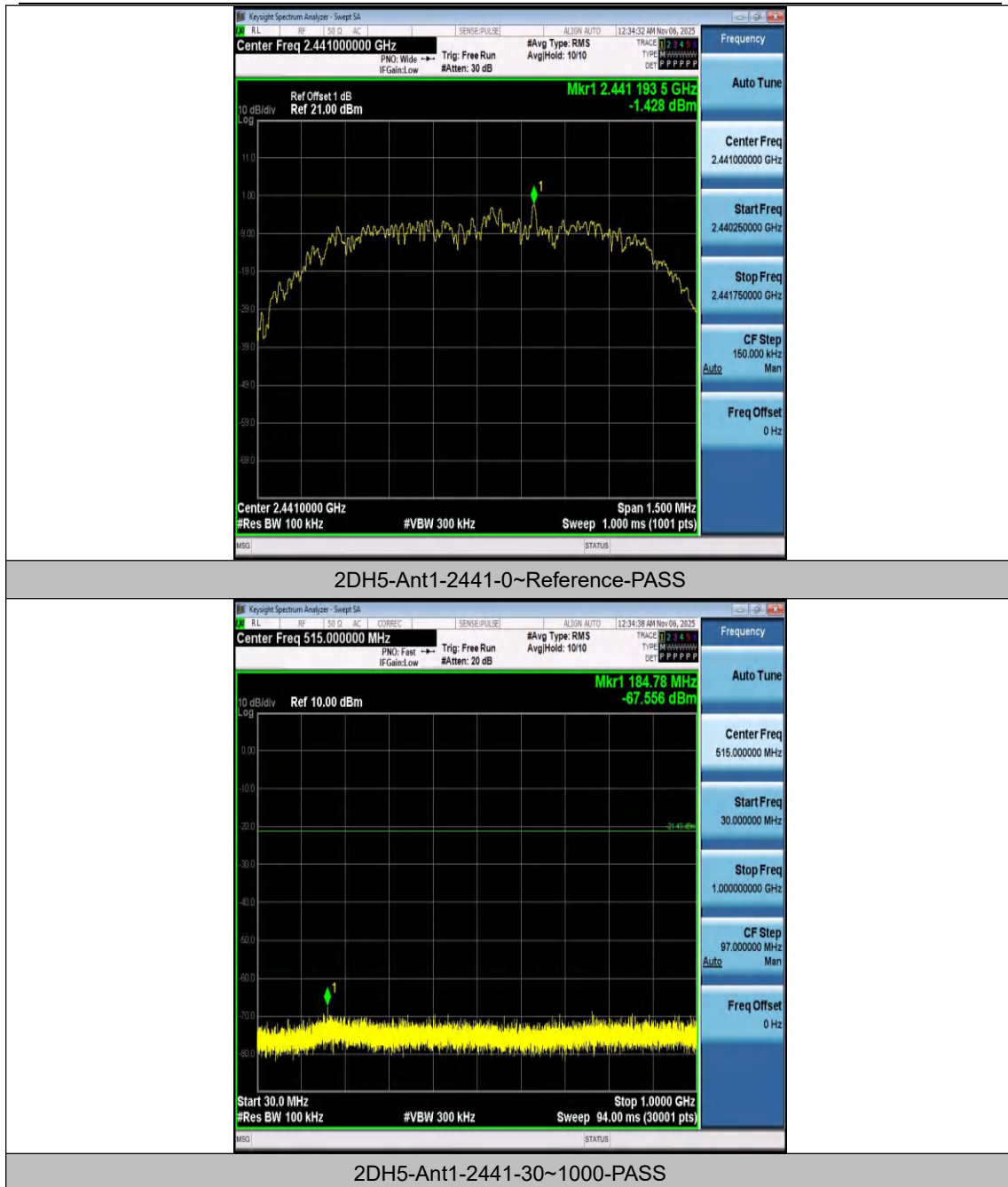




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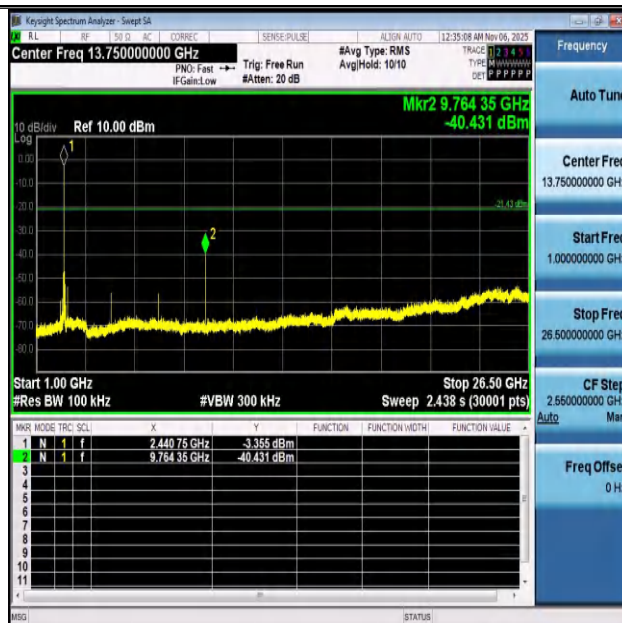
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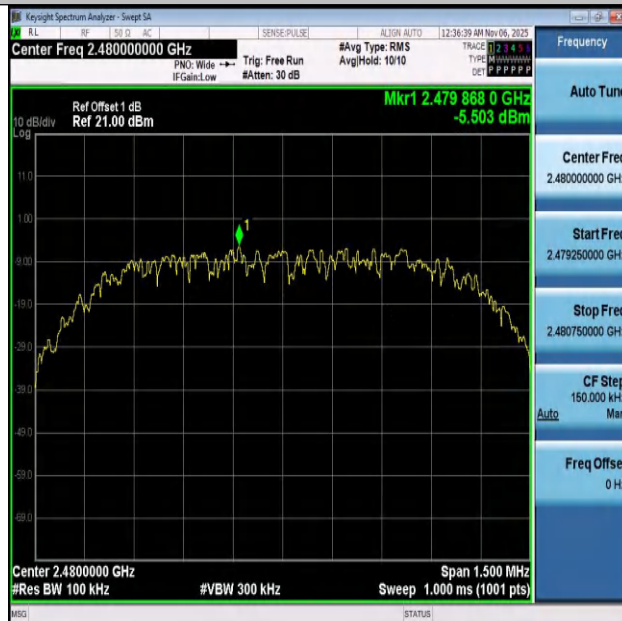
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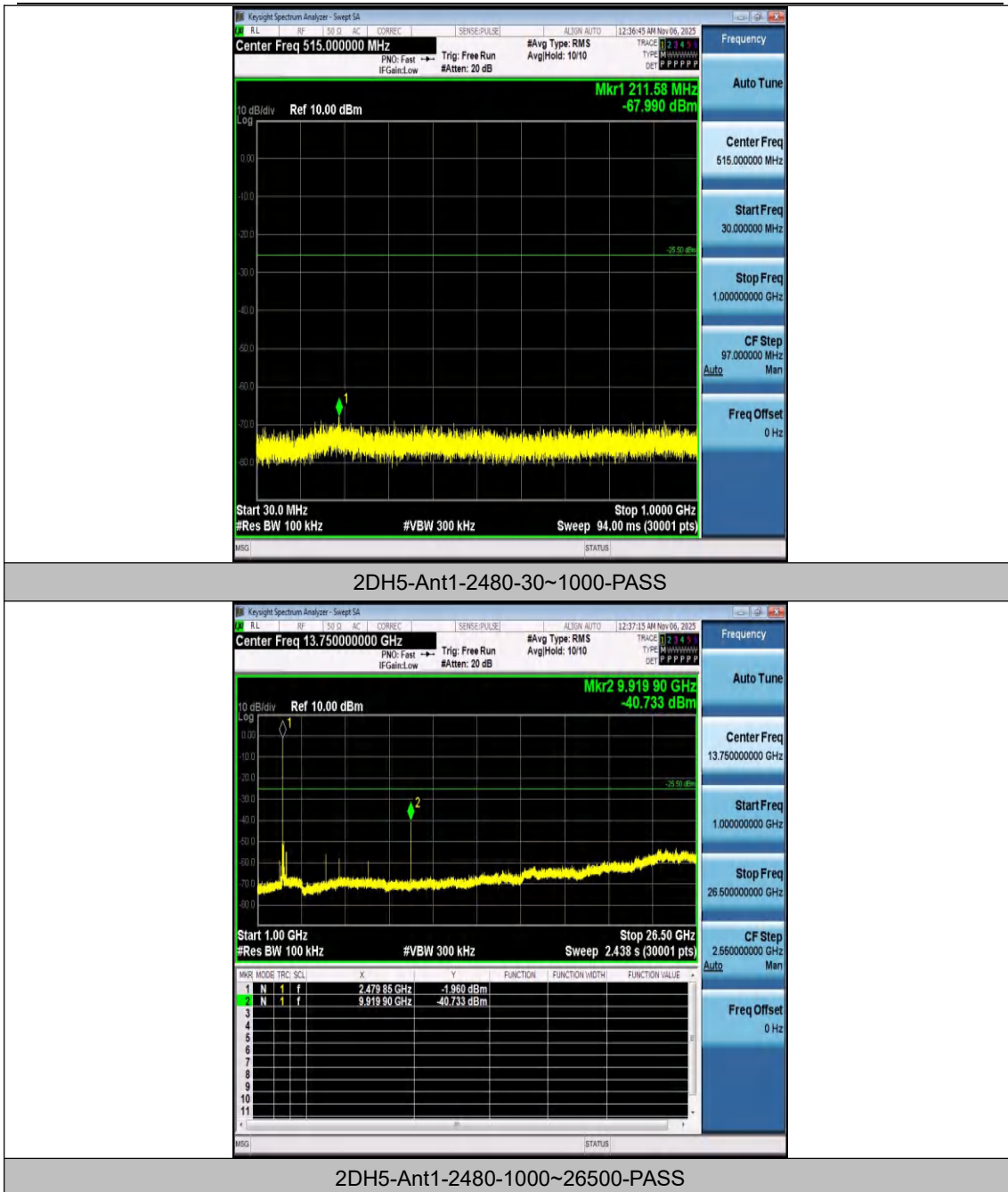
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2DH5-Ant1-2441-1000~26500-PASS



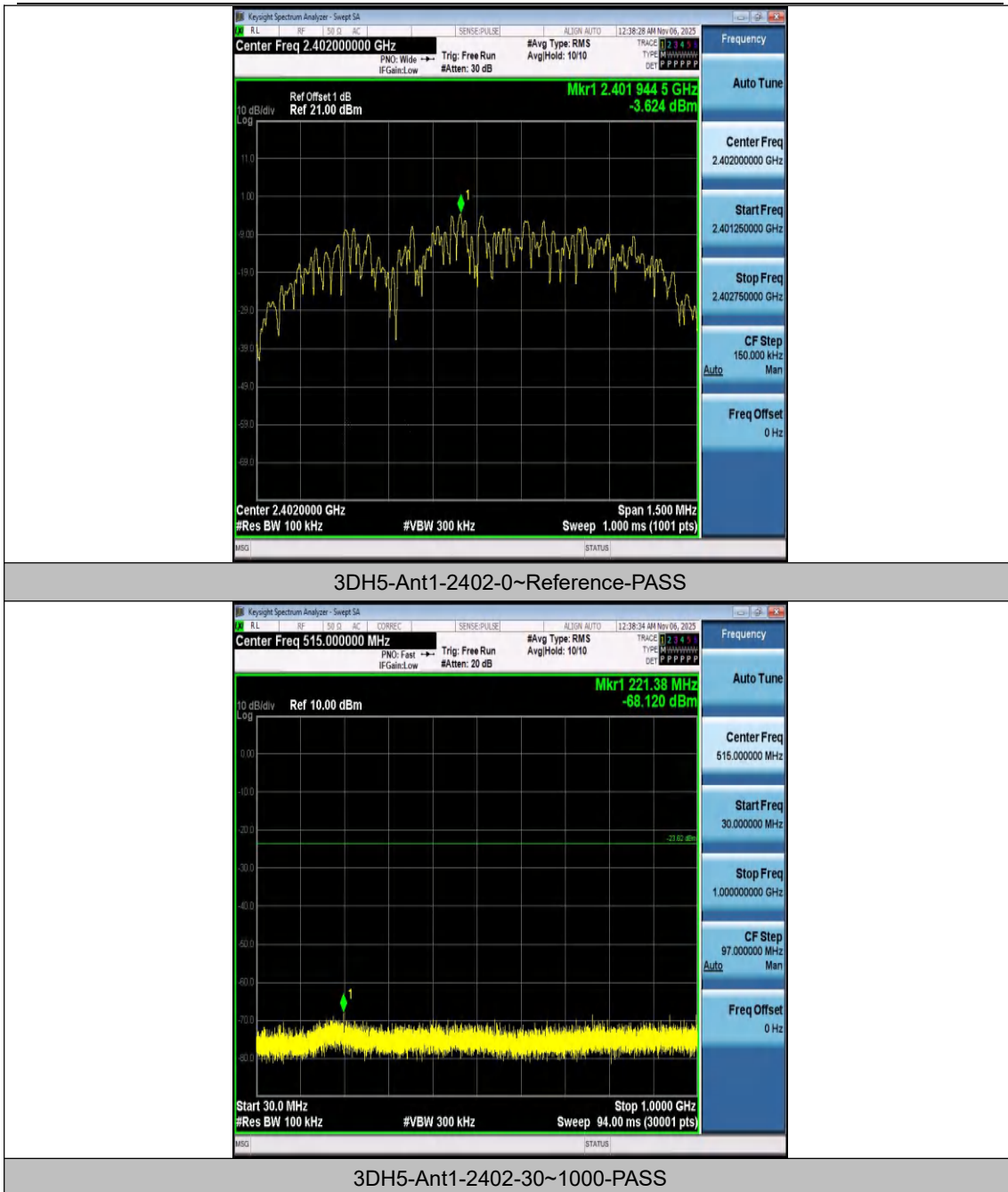
2DH5-Ant1-2480-0~Reference-PASS



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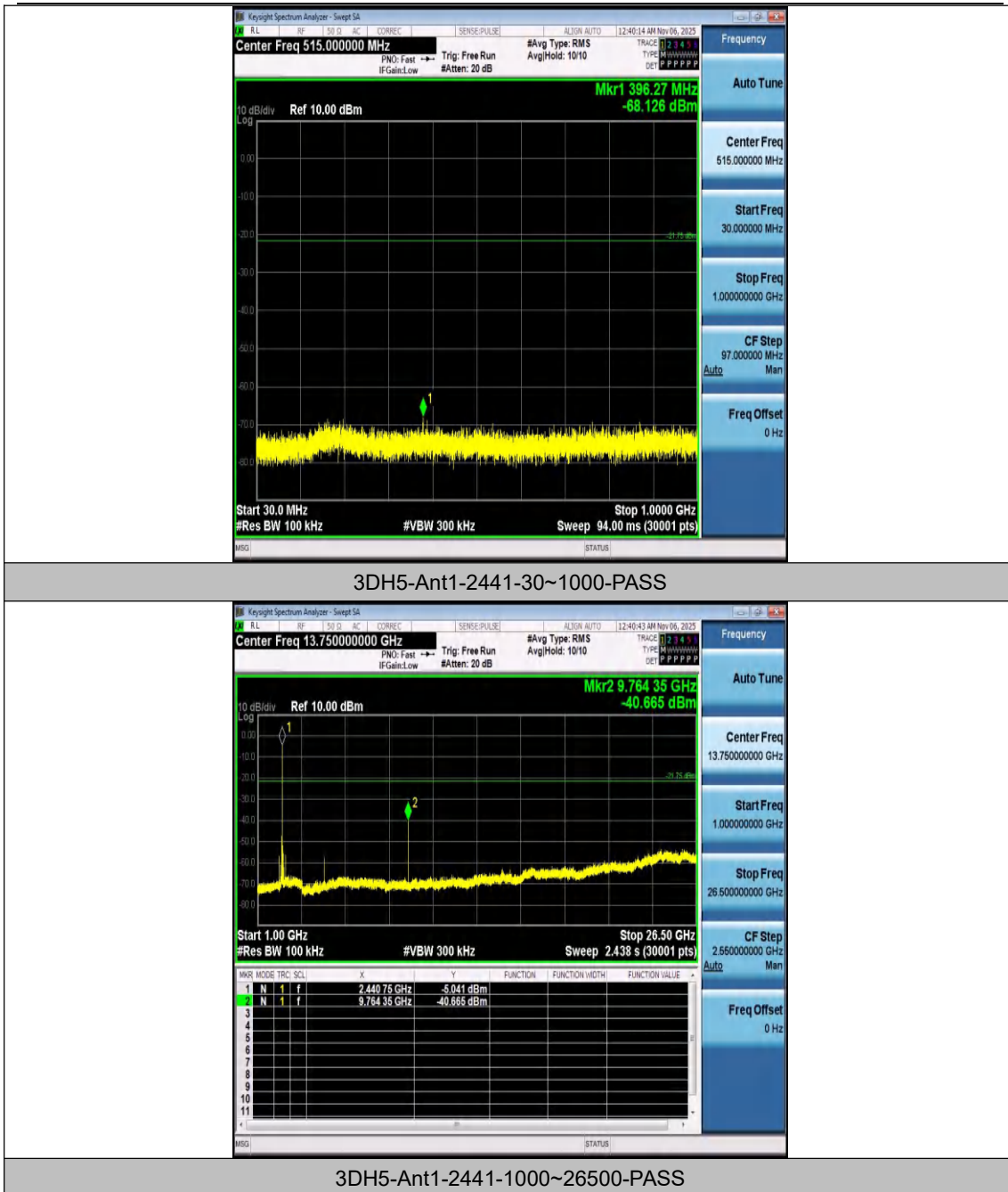
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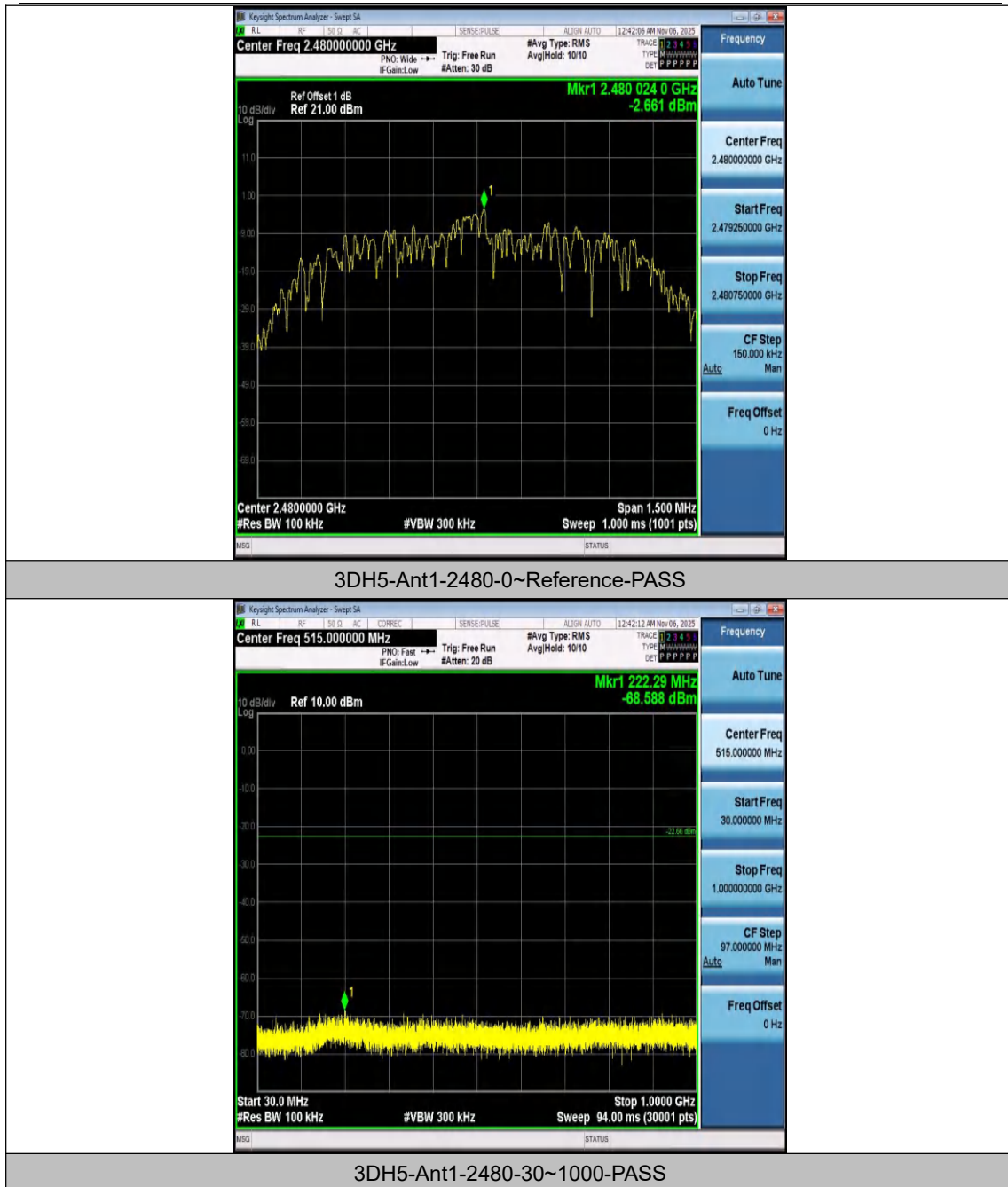


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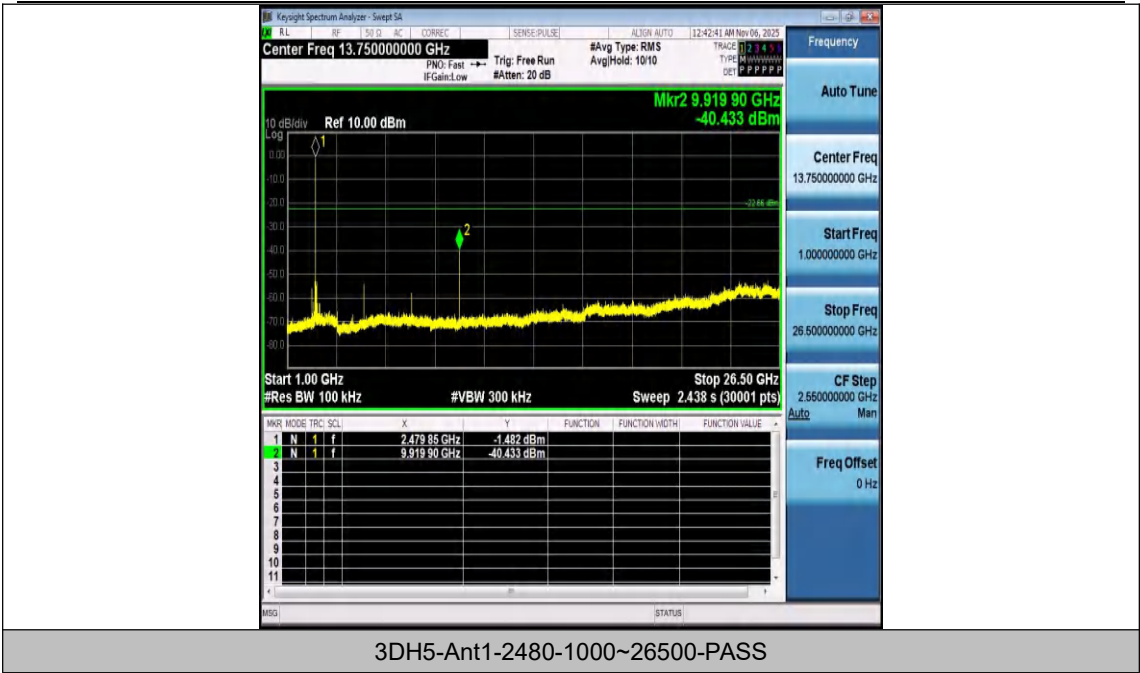




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3DH5-Ant1-2480-1000~26500-PASS

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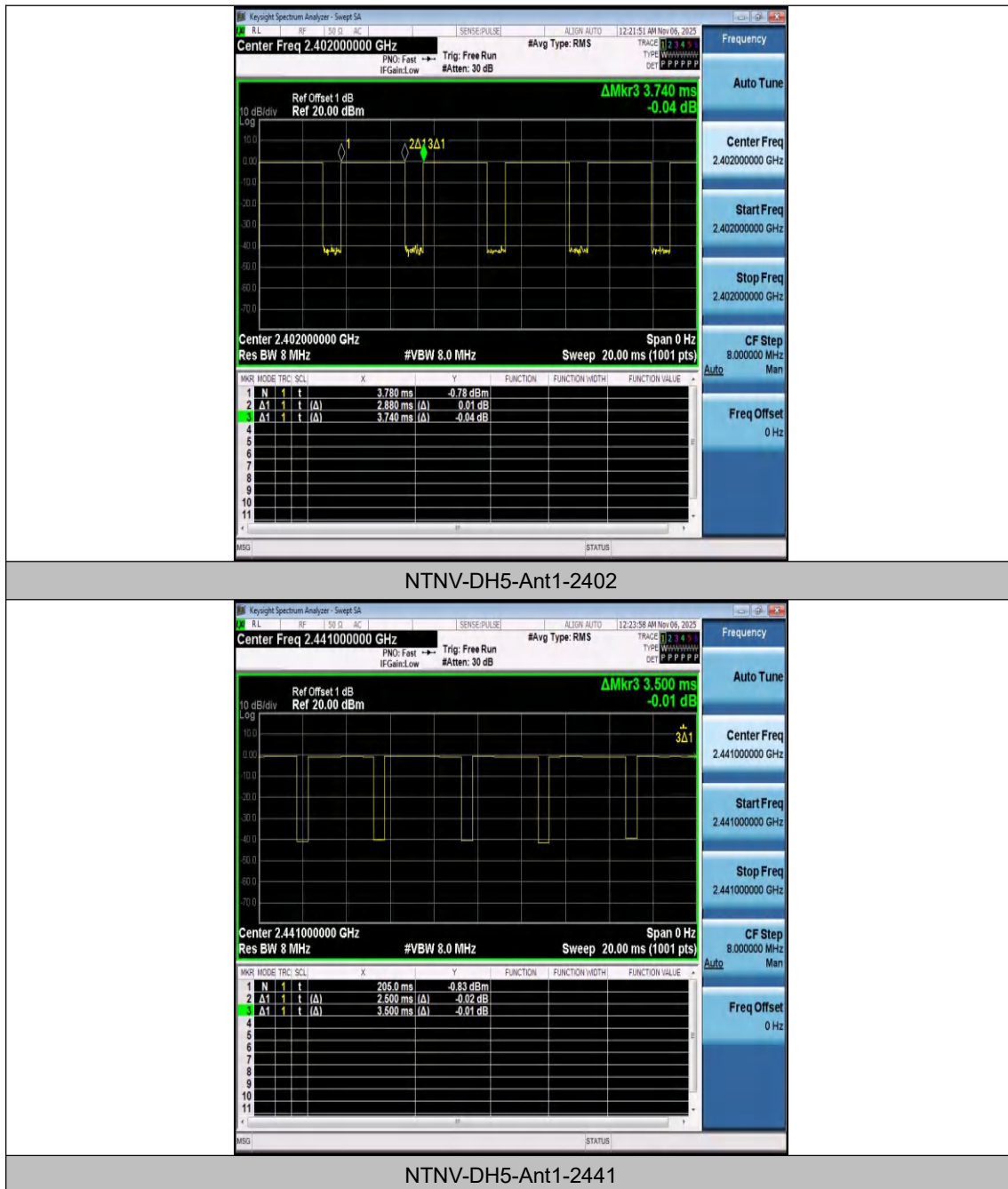
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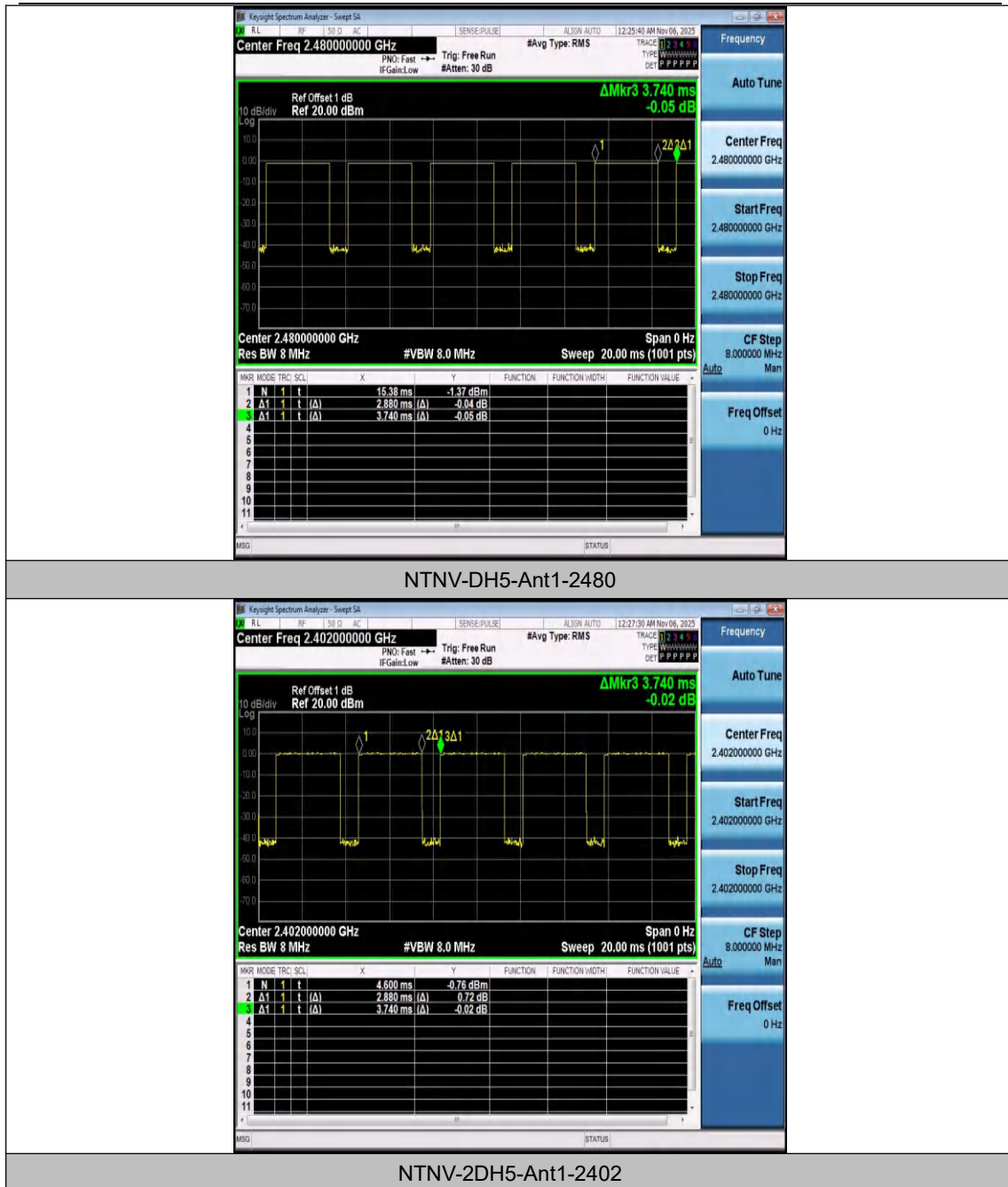
Appendix I: Duty Cycle

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	2.50	3.50	71.43	1.46
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.88	3.74	77.01	1.13
2DH5	Ant1	2441	2.88	3.74	77.01	1.13
2DH5	Ant1	2480	2.90	3.76	77.13	1.13
3DH5	Ant1	2402	0.88	3.74	23.53	6.28
3DH5	Ant1	2441	0.88	3.74	23.53	6.28
3DH5	Ant1	2480	0.90	3.76	23.94	6.21

Test Graphs

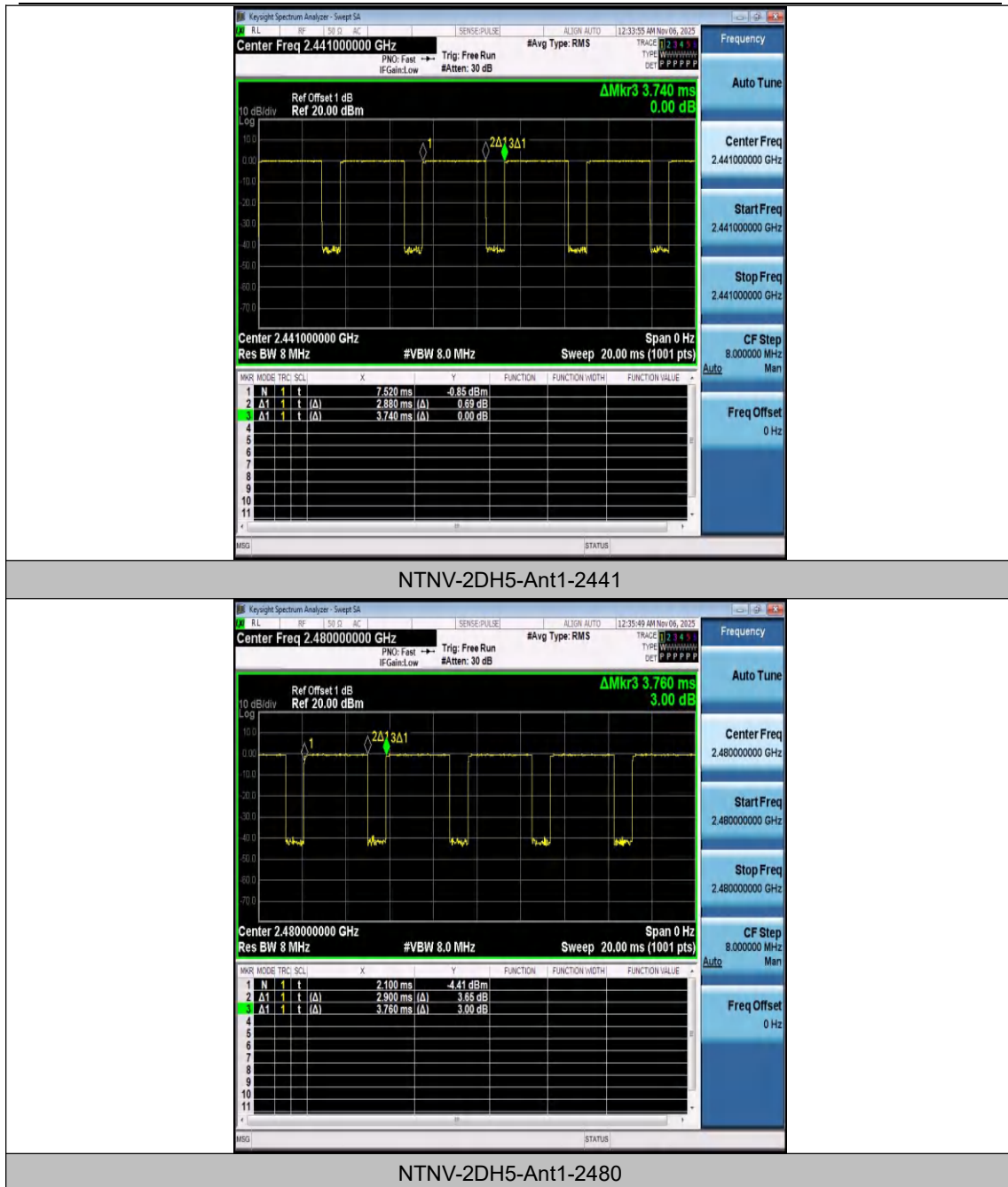




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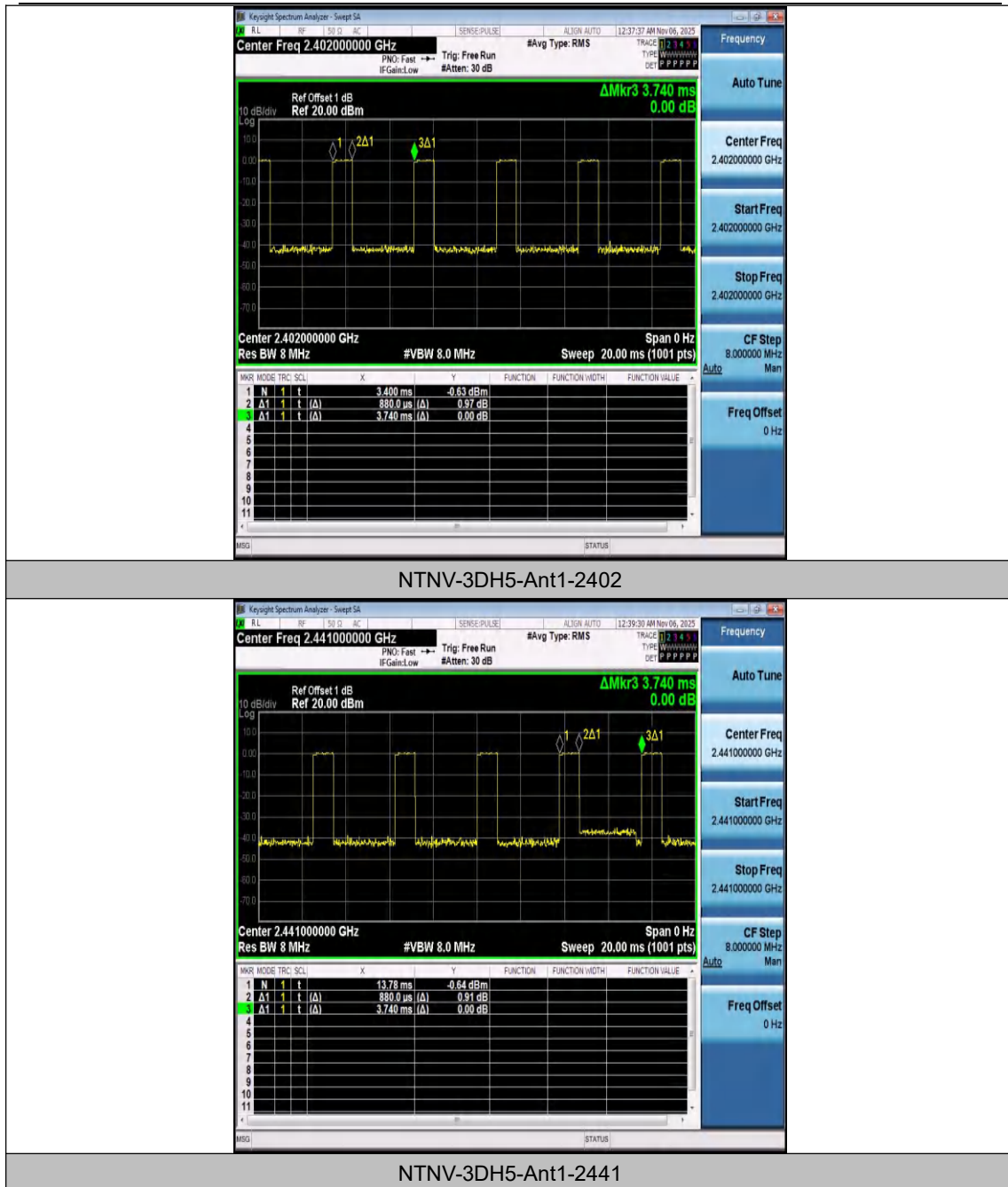
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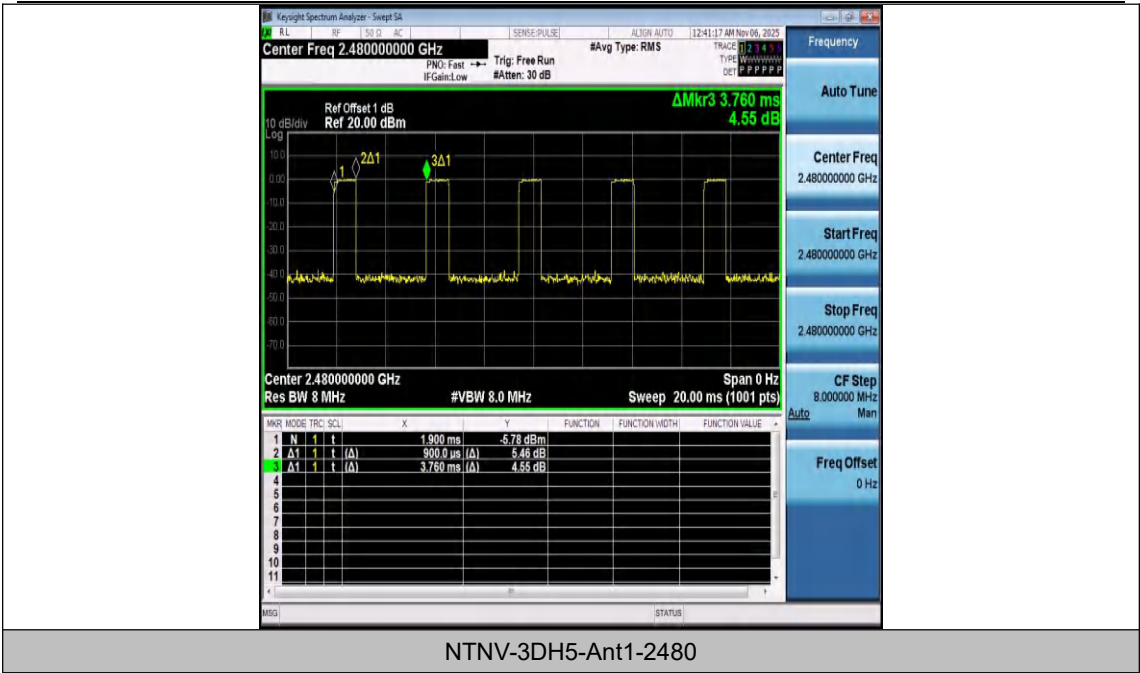
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NTNV-3DH5-Ant1-2480

---End---