

Appendix Test Data

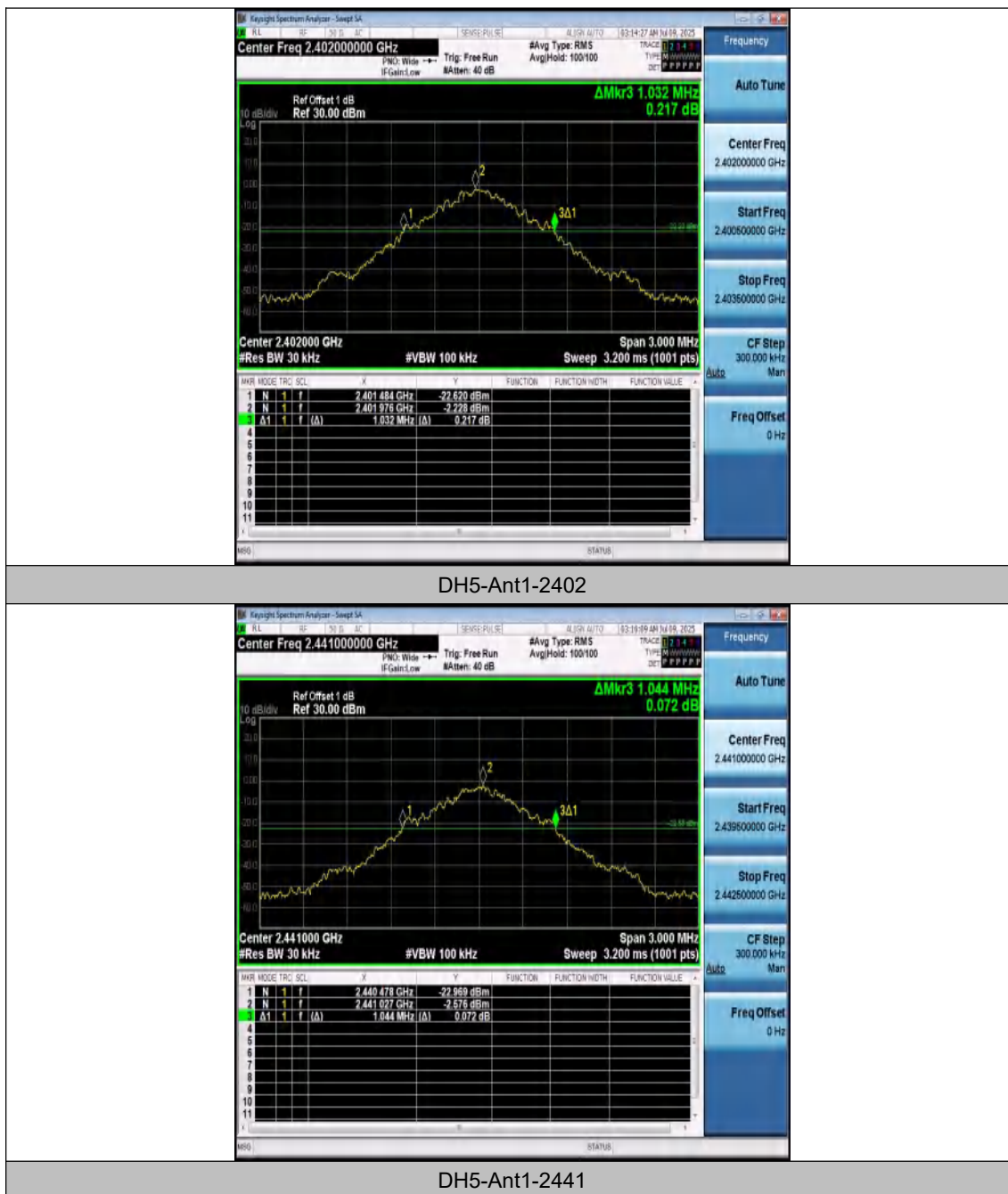
Report No.:	1812C50327012501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-2	Finish Test Date:	2025-7-9
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	26.9°C	Relative Humidity:	47%
Pressure:	101kPa		

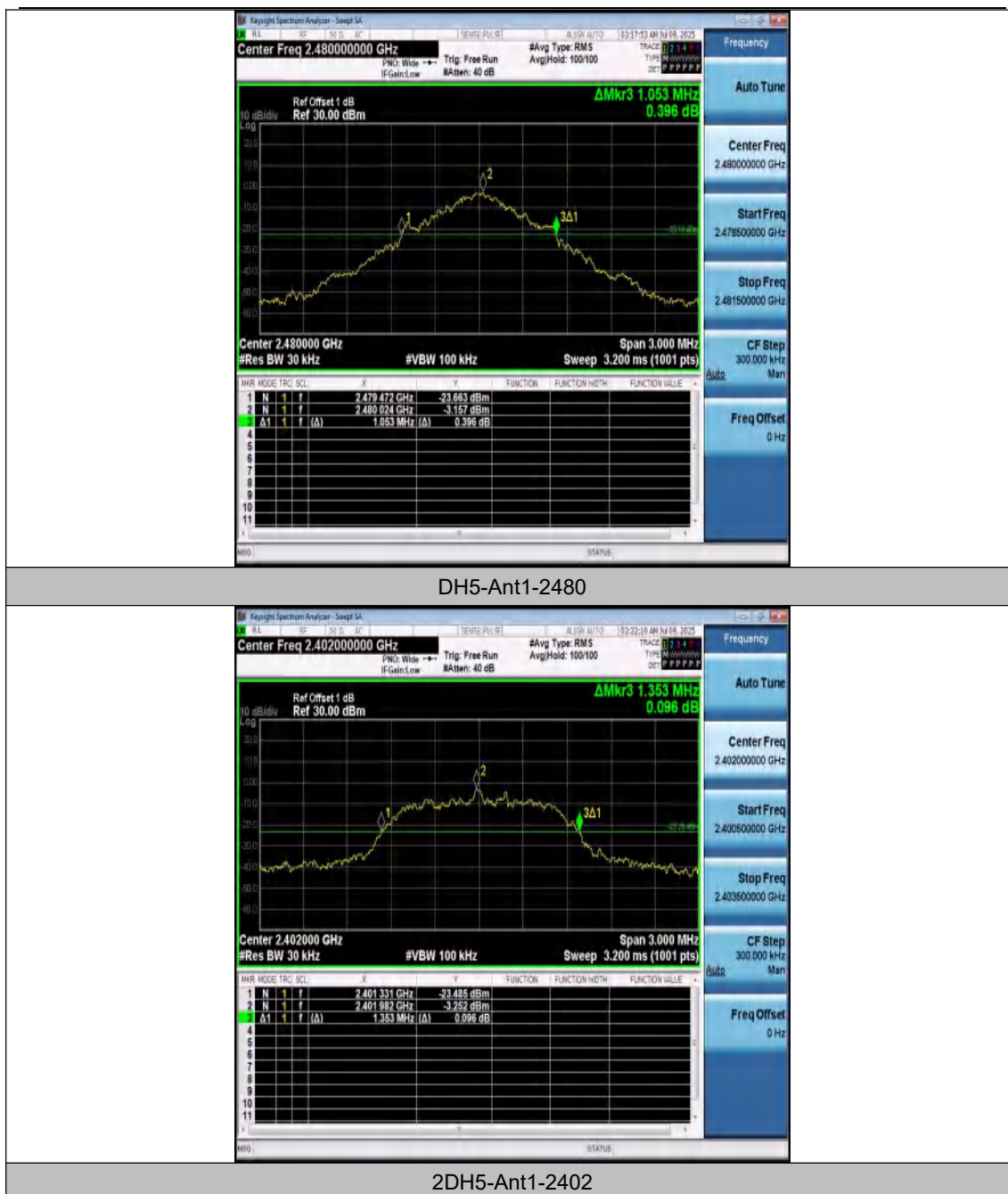
Appendix A: 20dB Bandwidth

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	1.044	2440.478	2441.522	---	---
DH5	Ant1	2480	1.053	2479.472	2480.525	---	---
2DH5	Ant1	2402	1.353	2401.331	2402.684	---	---
2DH5	Ant1	2441	1.383	2440.316	2441.699	---	---
2DH5	Ant1	2480	1.344	2479.328	2480.672	---	---
3DH5	Ant1	2402	1.308	2401.352	2402.660	---	---
3DH5	Ant1	2441	1.302	2440.349	2441.651	---	---
3DH5	Ant1	2480	1.287	2479.352	2480.639	---	---

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	0.95763	2401.5183	2402.4759	---	---
DH5	Ant1	2441	0.97498	2440.5096	2441.4846	---	---
DH5	Ant1	2480	0.97547	2479.5104	2480.4858	---	---
2DH5	Ant1	2402	1.2443	2401.3882	2402.6325	---	---
2DH5	Ant1	2441	1.2537	2440.3831	2441.6368	---	---
2DH5	Ant1	2480	1.2533	2479.3774	2480.6307	---	---
3DH5	Ant1	2402	1.2376	2401.3769	2402.6145	---	---
3DH5	Ant1	2441	1.2506	2440.3722	2441.6228	---	---
3DH5	Ant1	2480	1.2442	2479.3734	2480.6176	---	---

Test Graphs

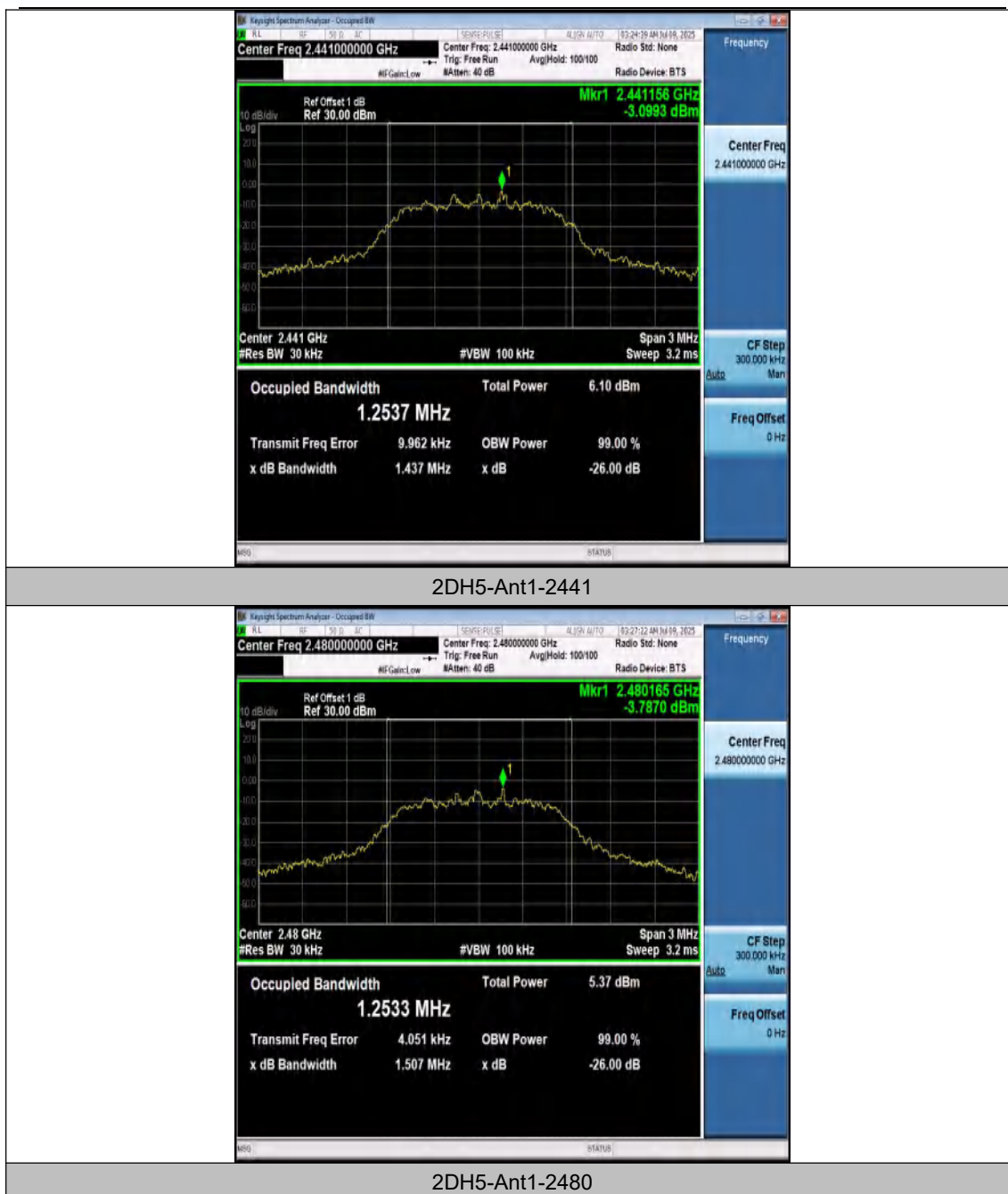


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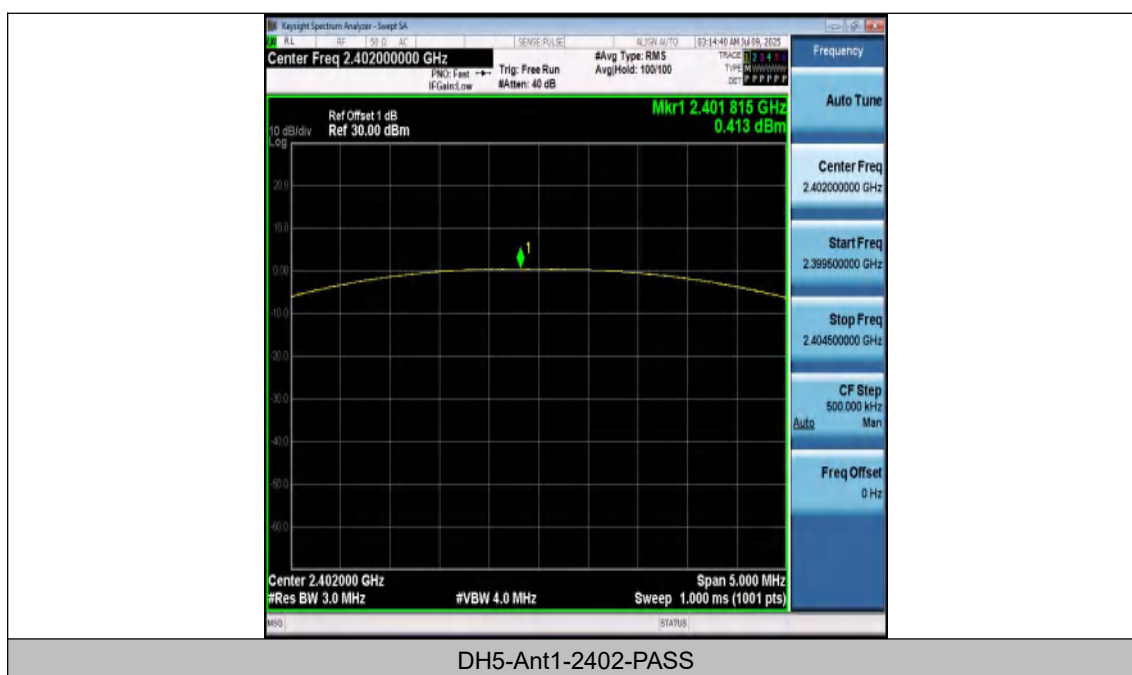
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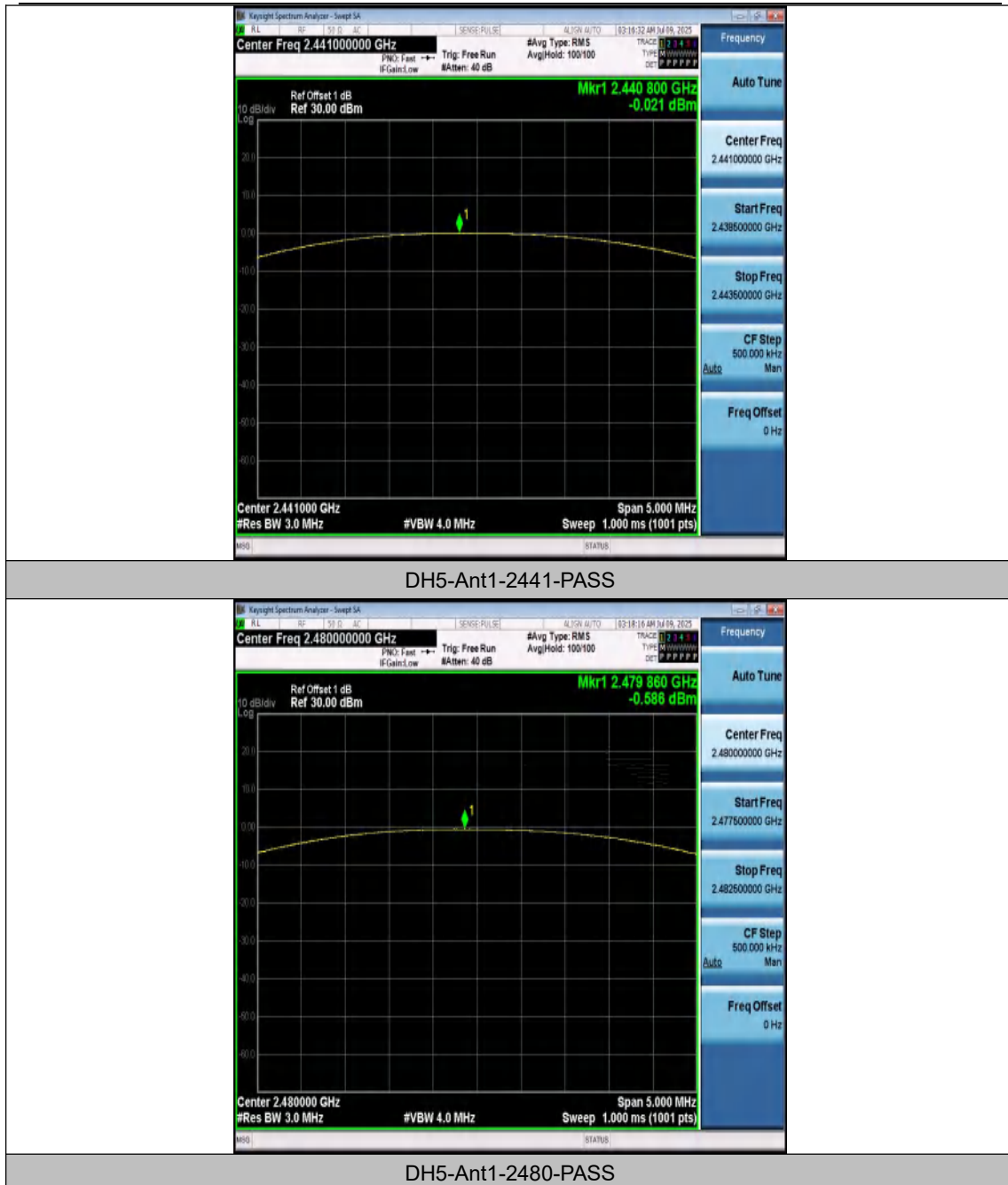
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.41	≤20.97	PASS
DH5	Ant1	2441	-0.02	≤20.97	PASS
DH5	Ant1	2480	-0.59	≤20.97	PASS
2DH5	Ant1	2402	0.99	≤20.97	PASS
2DH5	Ant1	2441	0.61	≤20.97	PASS
2DH5	Ant1	2480	0.11	≤20.97	PASS
3DH5	Ant1	2402	1.22	≤20.97	PASS
3DH5	Ant1	2441	0.88	≤20.97	PASS
3DH5	Ant1	2480	0.39	≤20.97	PASS

Test Graphs

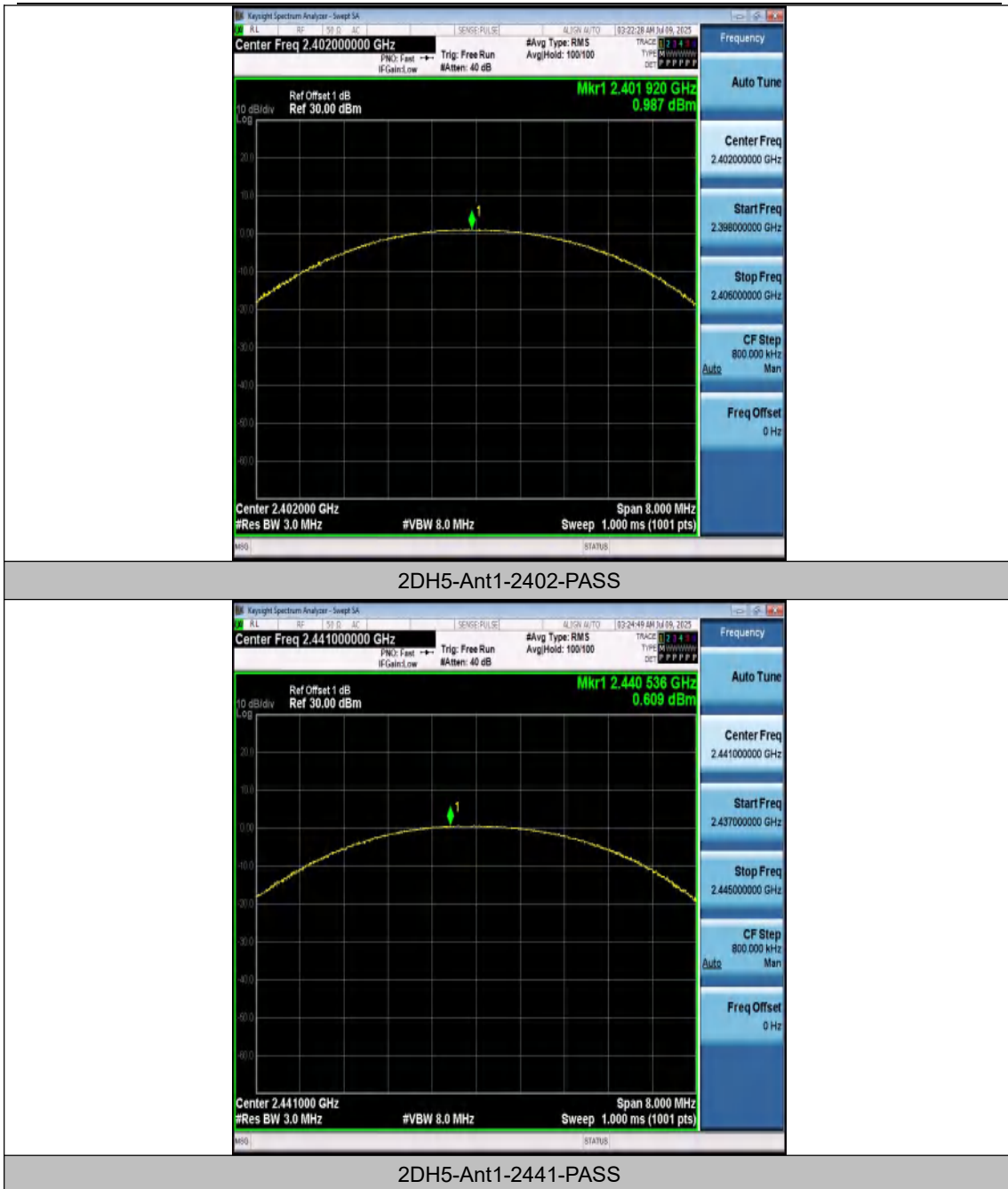


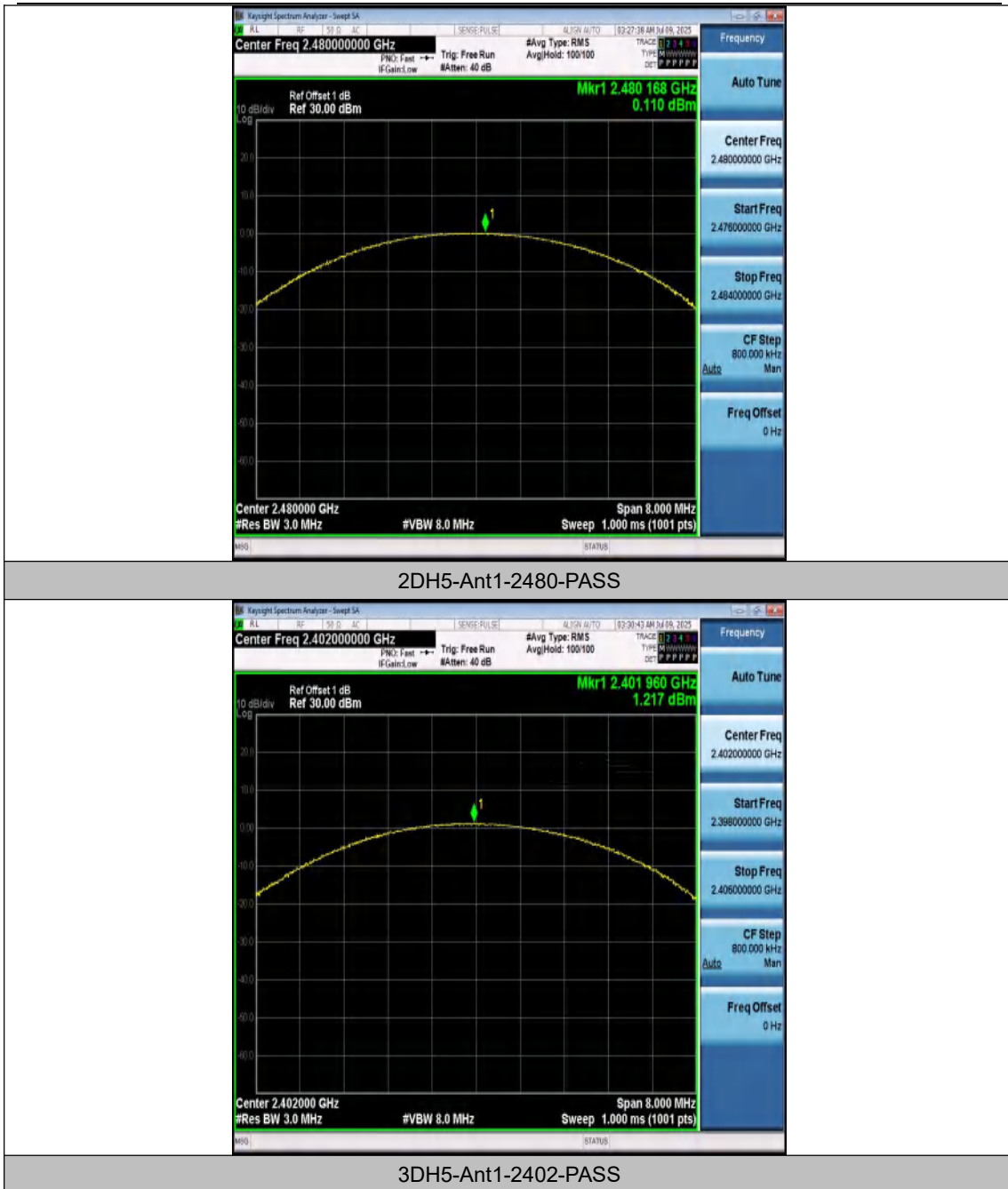


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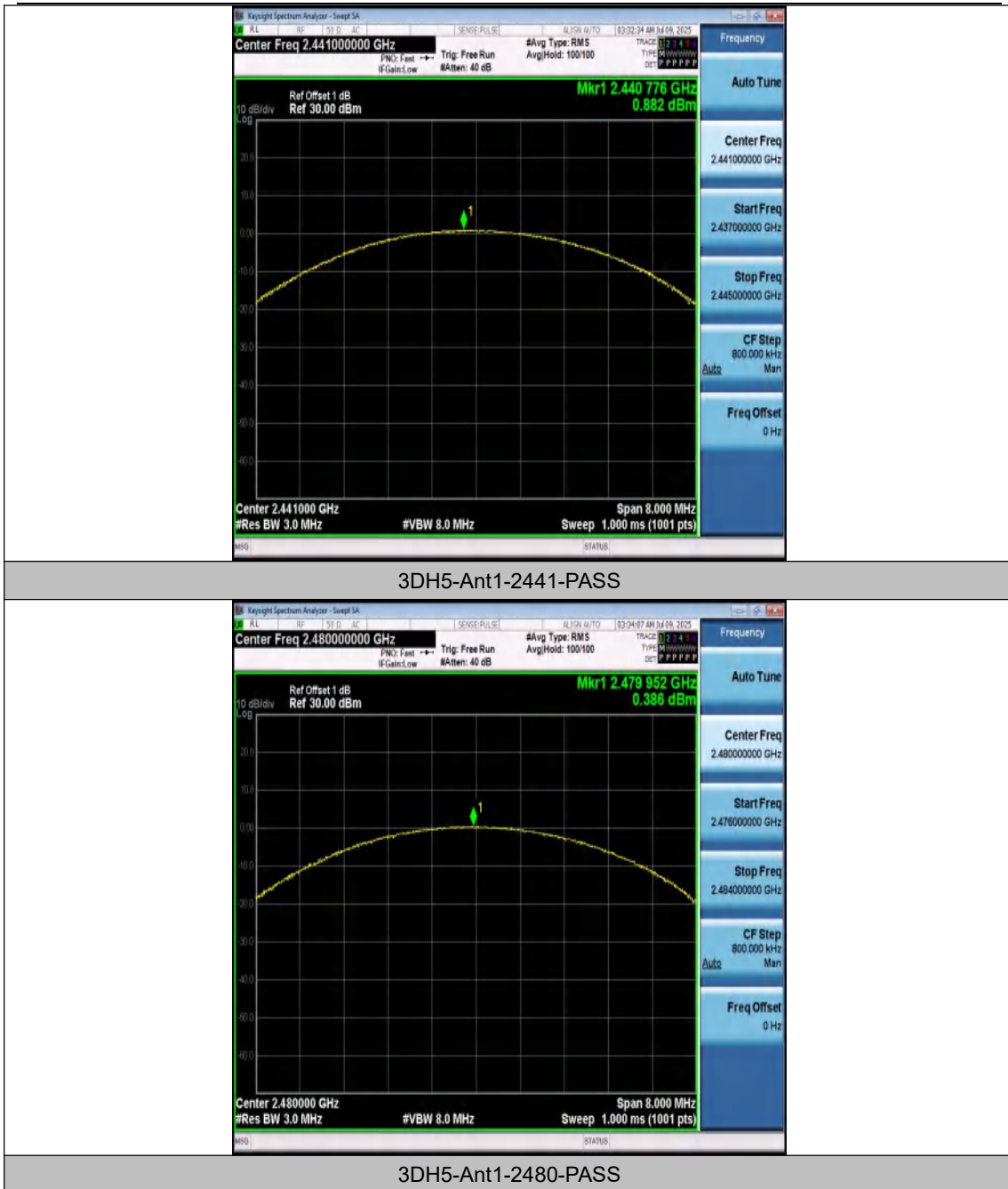




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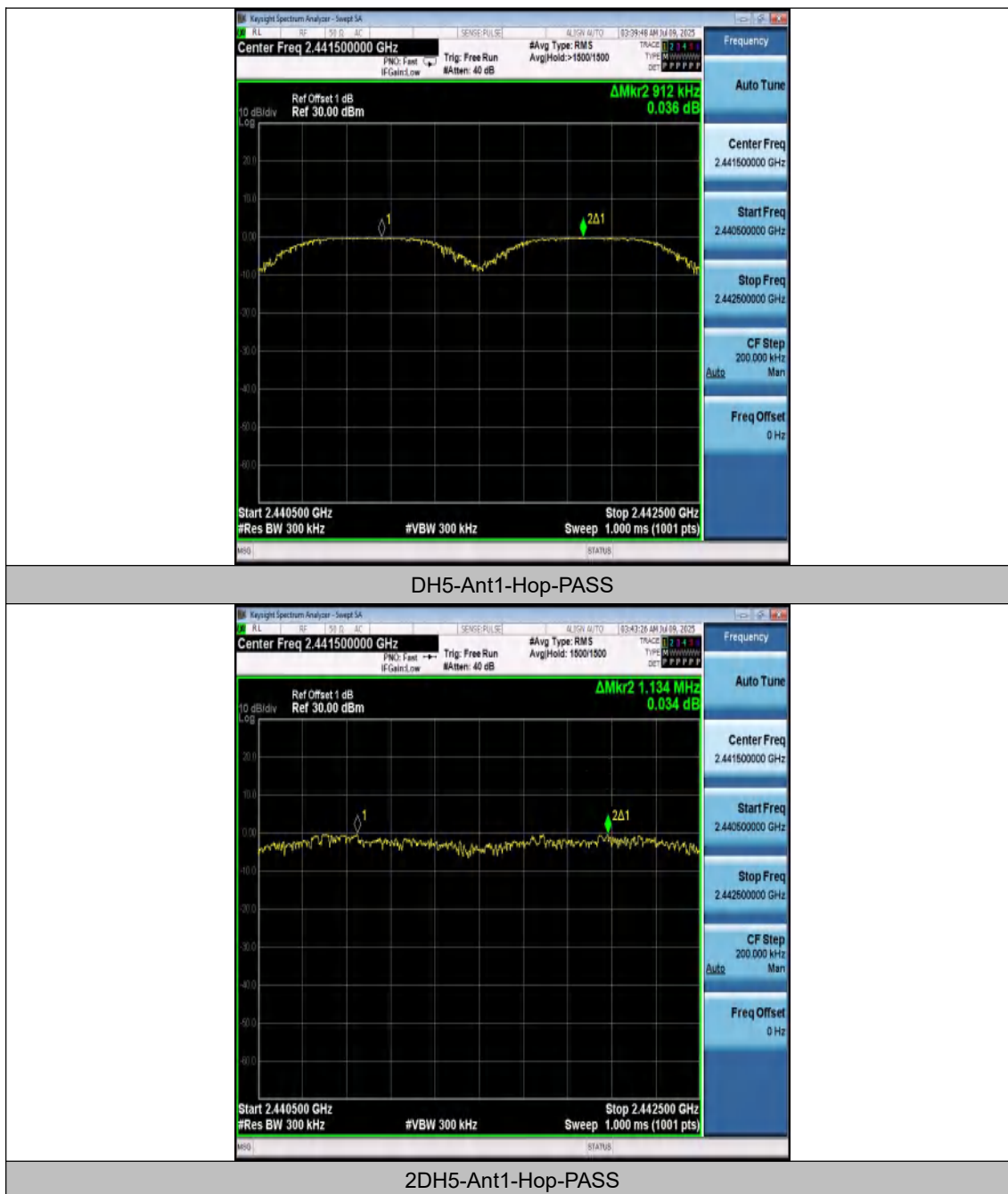
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.912	≥0.702	PASS
2DH5	Ant1	Hop	1.134	≥0.922	PASS
3DH5	Ant1	Hop	1.162	≥0.872	PASS

Test Graphs



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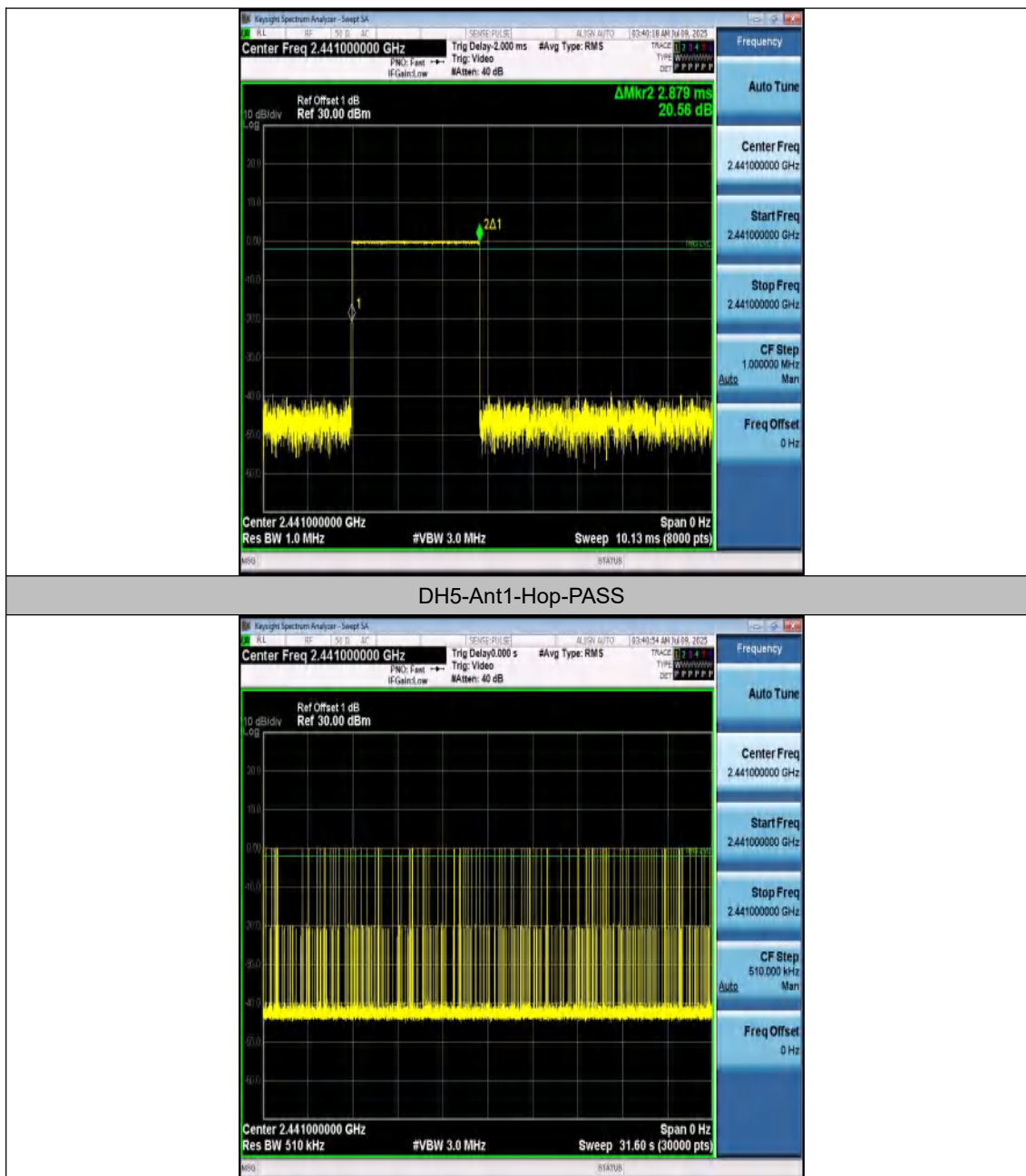
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	105	0.302	≤0.4	PASS
2DH5	Ant1	Hop	2.884	109	0.314	≤0.4	PASS
3DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS



Test Graphs



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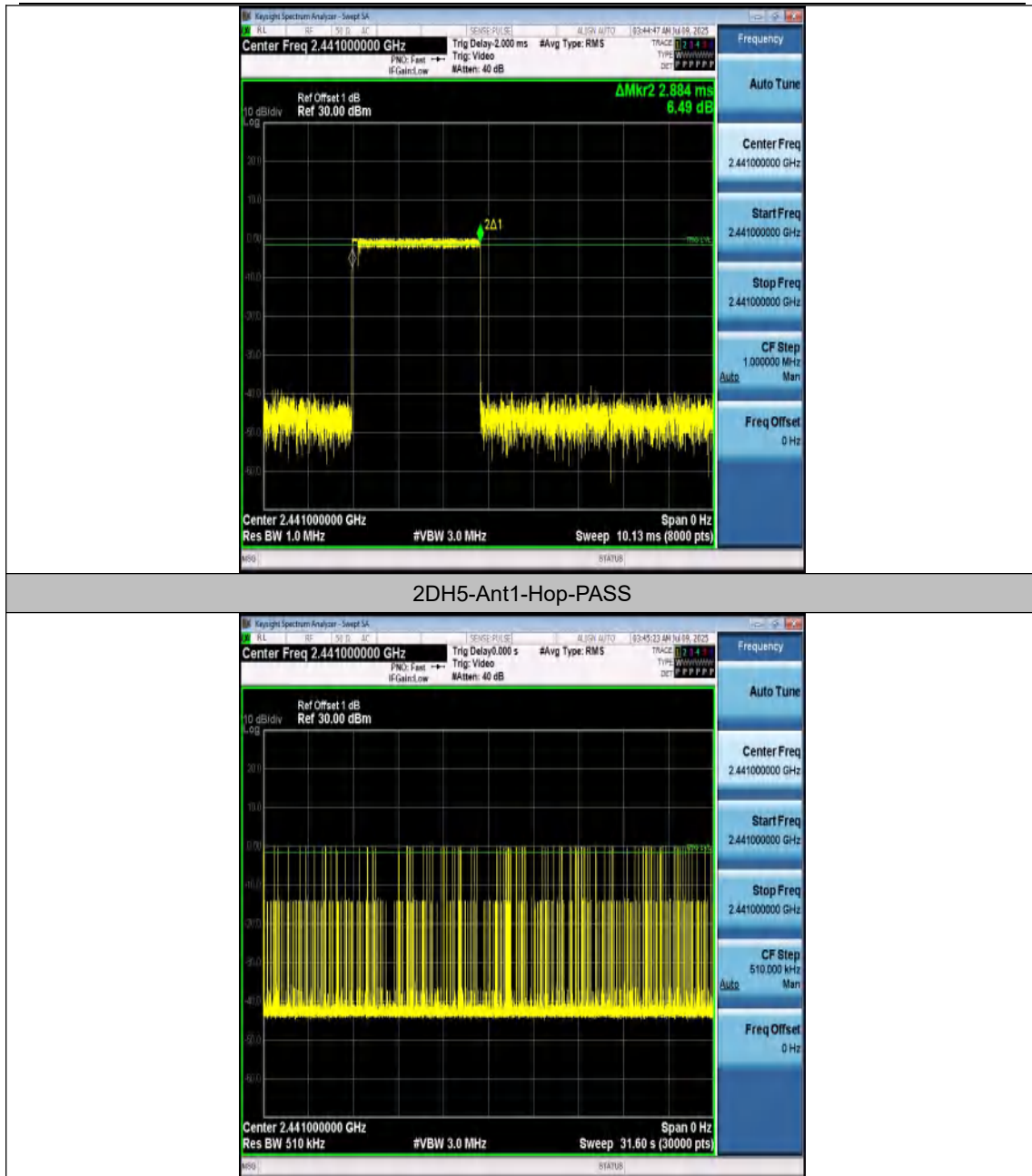
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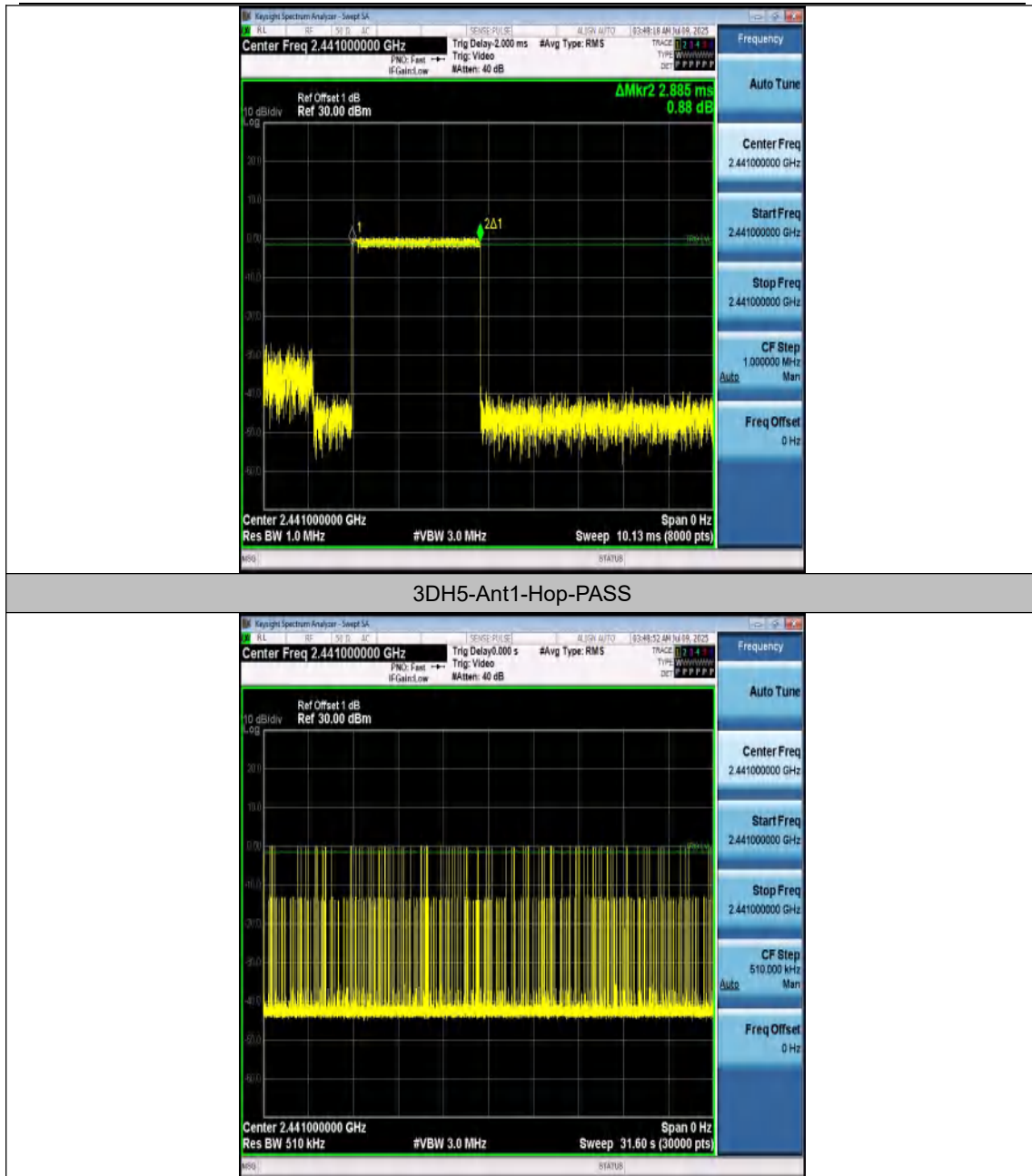
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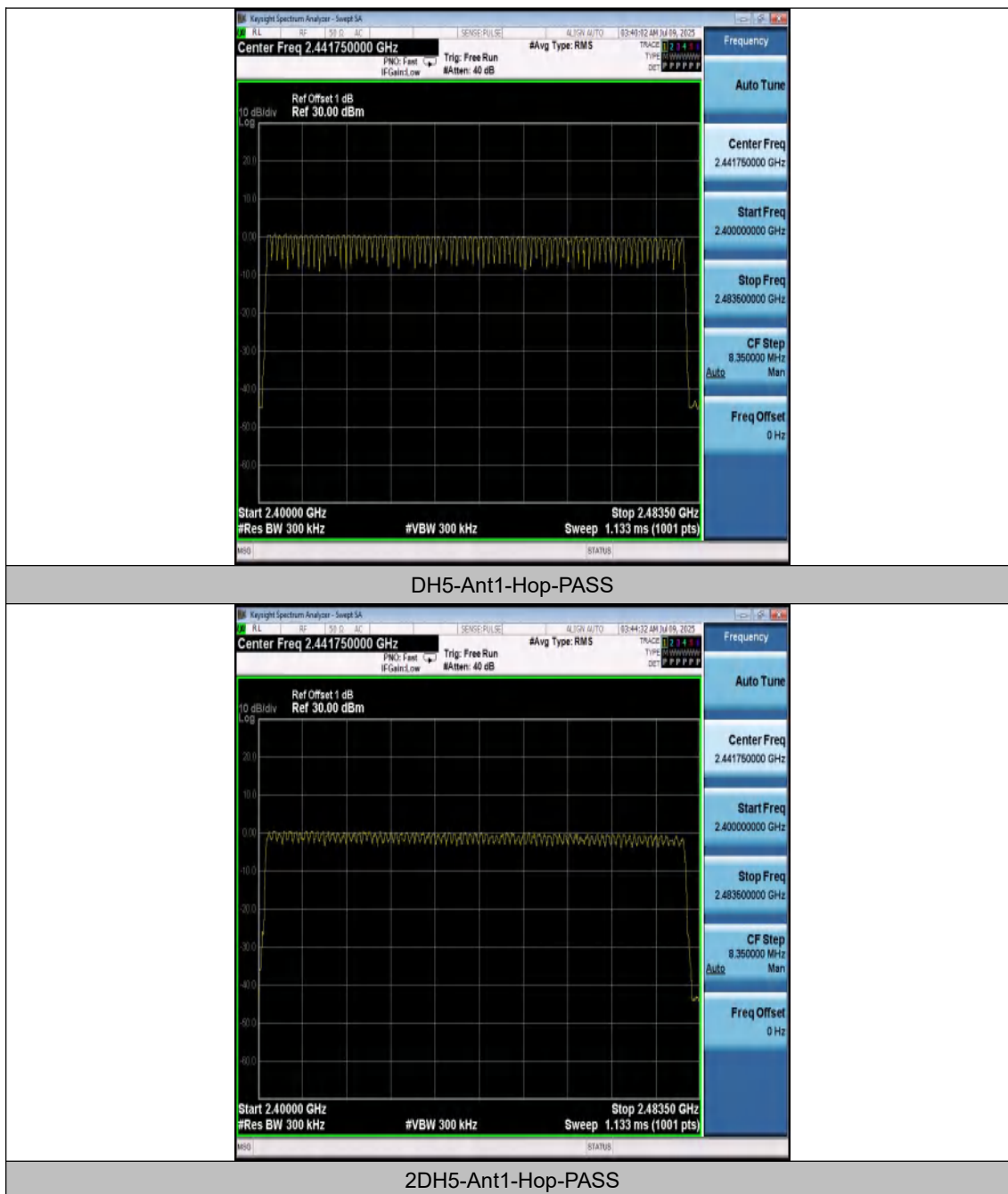
Appendix F: Number of Hopping Channel

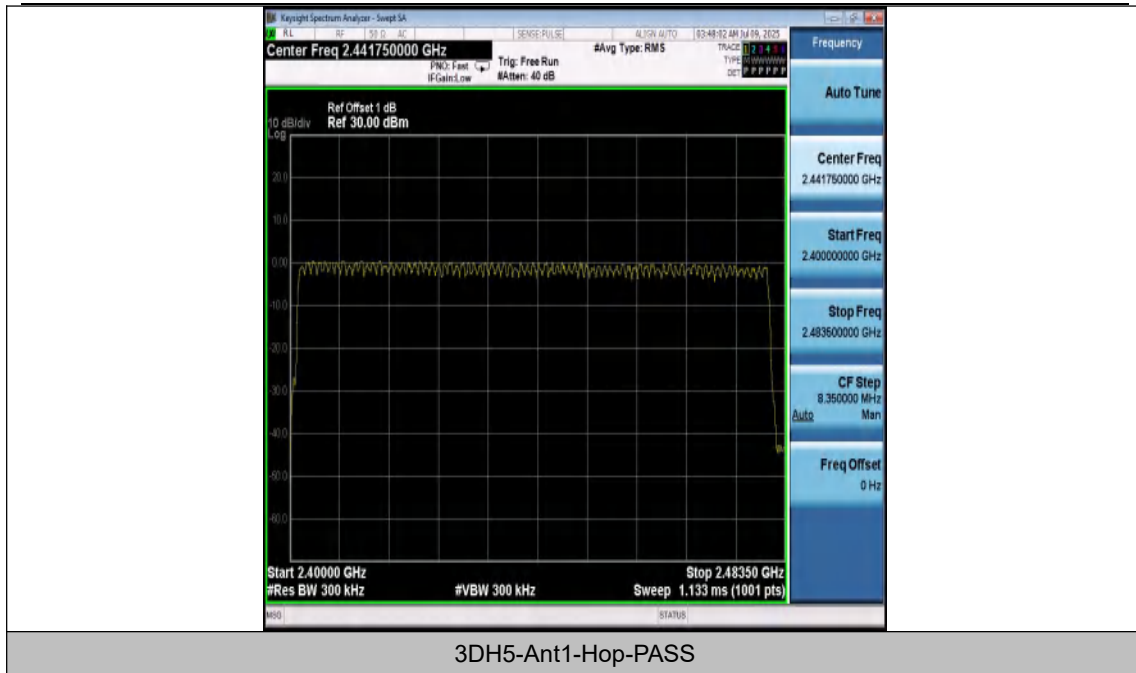
Test Result

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



Test Graphs





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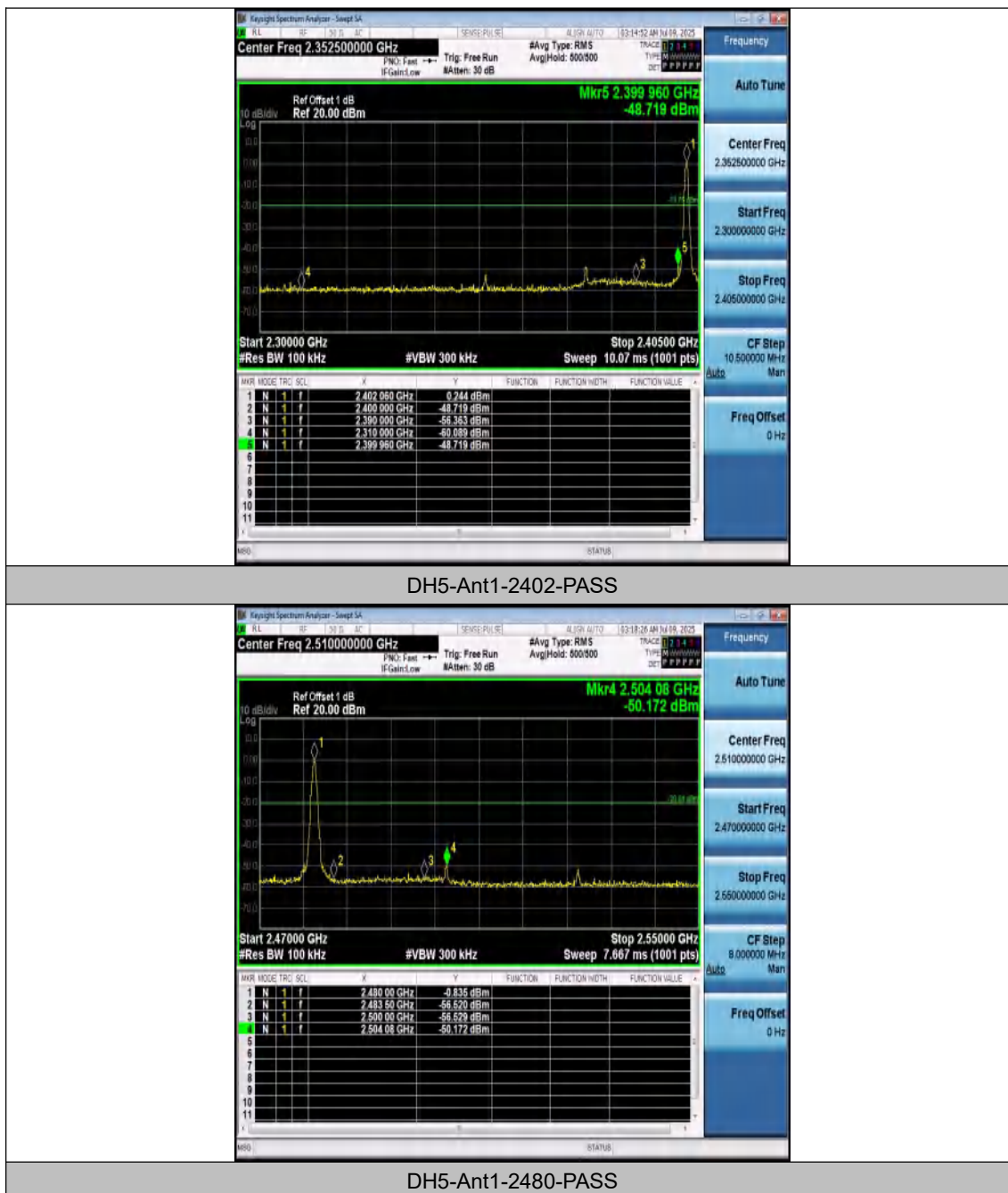
Appendix G: Conducted Band edge

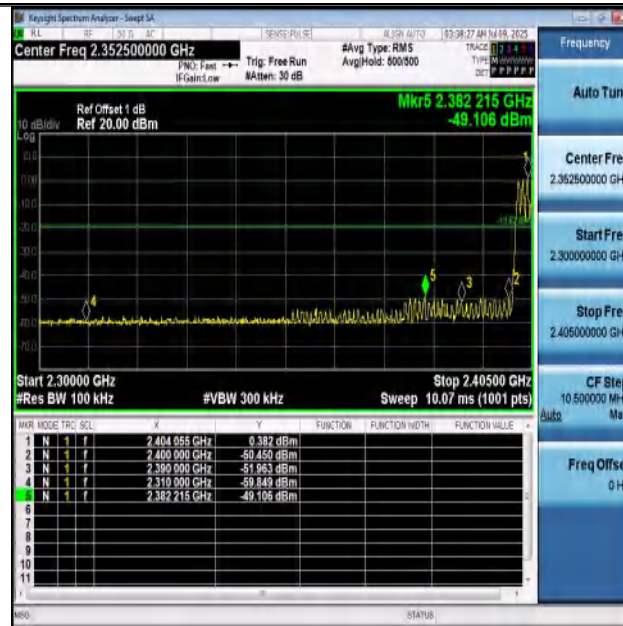
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.24	-48.72	≤-19.76	PASS
DH5	Ant1	High	2480	-0.84	-50.17	≤-20.84	PASS
DH5	Ant1	Low	Hop_2402	0.38	-49.11	≤-19.62	PASS
DH5	Ant1	High	Hop_2480	-0.59	-50.9	≤-20.59	PASS
2DH5	Ant1	Low	2402	0.19	-48.87	≤-19.81	PASS
2DH5	Ant1	High	2480	-0.76	-52.1	≤-20.76	PASS
2DH5	Ant1	Low	Hop_2402	-2.59	-49.33	≤-22.59	PASS
2DH5	Ant1	High	Hop_2480	-2.98	-52.25	≤-22.98	PASS
3DH5	Ant1	Low	2402	0.25	-49.13	≤-19.75	PASS
3DH5	Ant1	High	2480	-0.78	-51.91	≤-20.78	PASS
3DH5	Ant1	Low	Hop_2402	-0.62	-50.37	≤-20.62	PASS
3DH5	Ant1	High	Hop_2480	-1.01	-52.66	≤-21.01	PASS

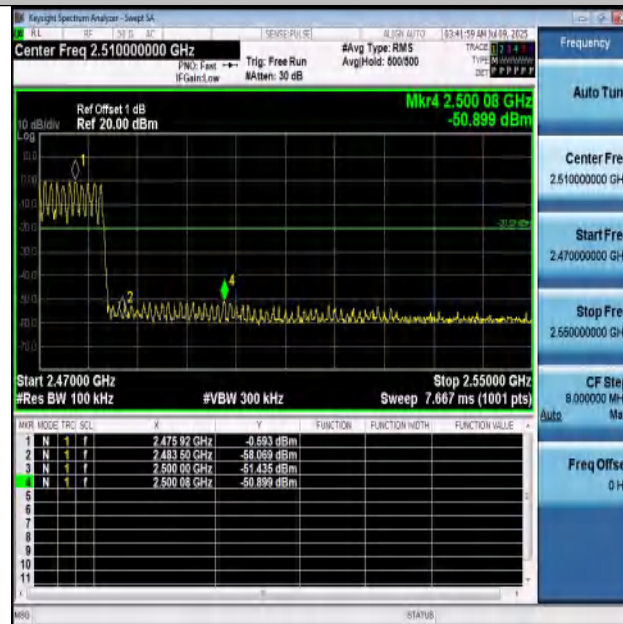
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

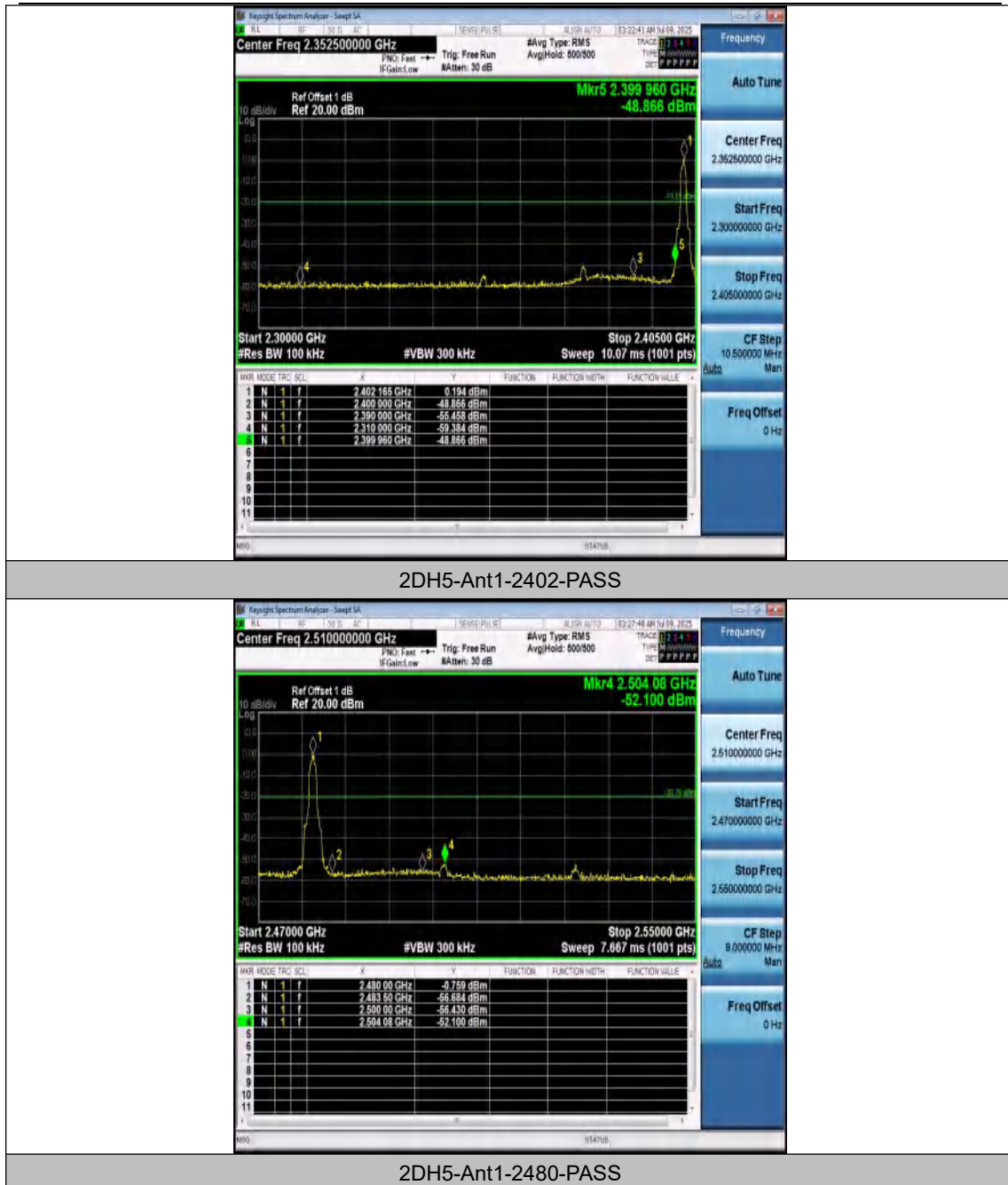




DH5-Ant1-Hop_2402-PASS

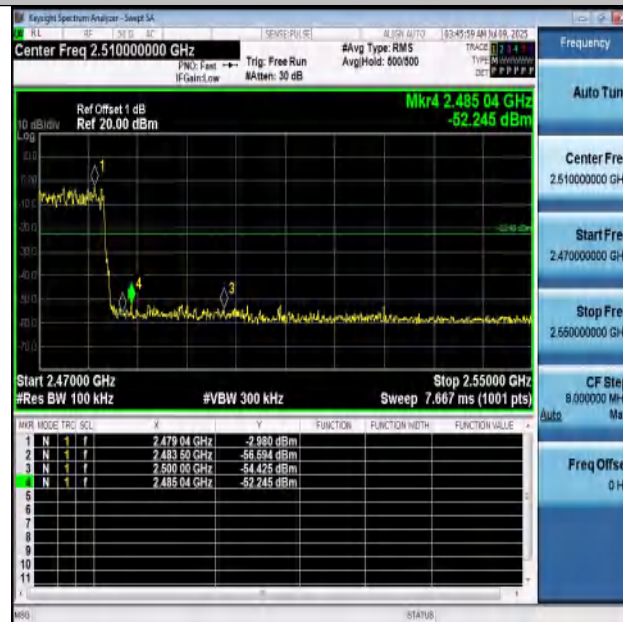


DH5-Ant1-Hop_2480-PASS

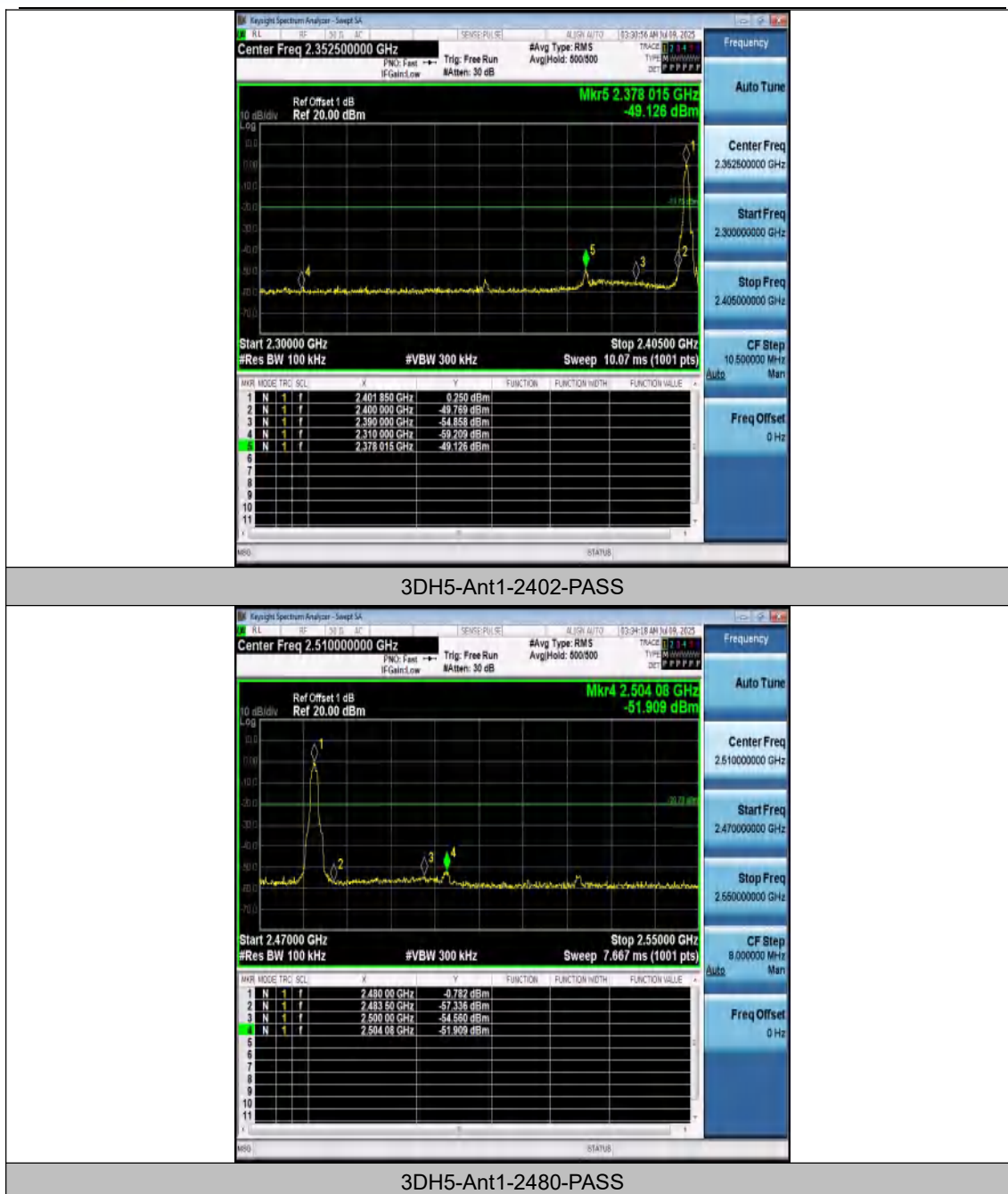


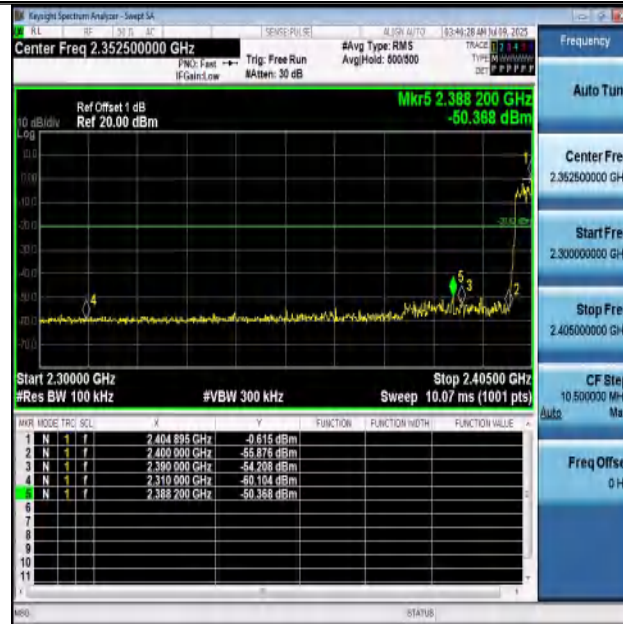


2DH5-Ant1-Hop_2402-PASS

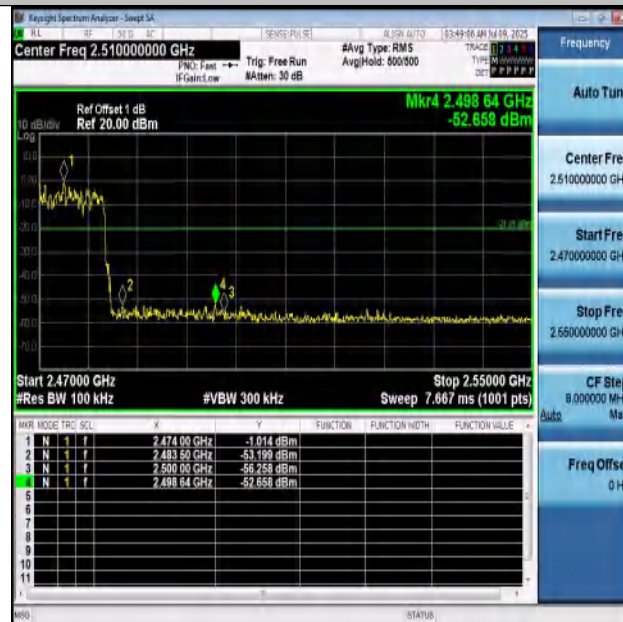


2DH5-Ant1-Hop_2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

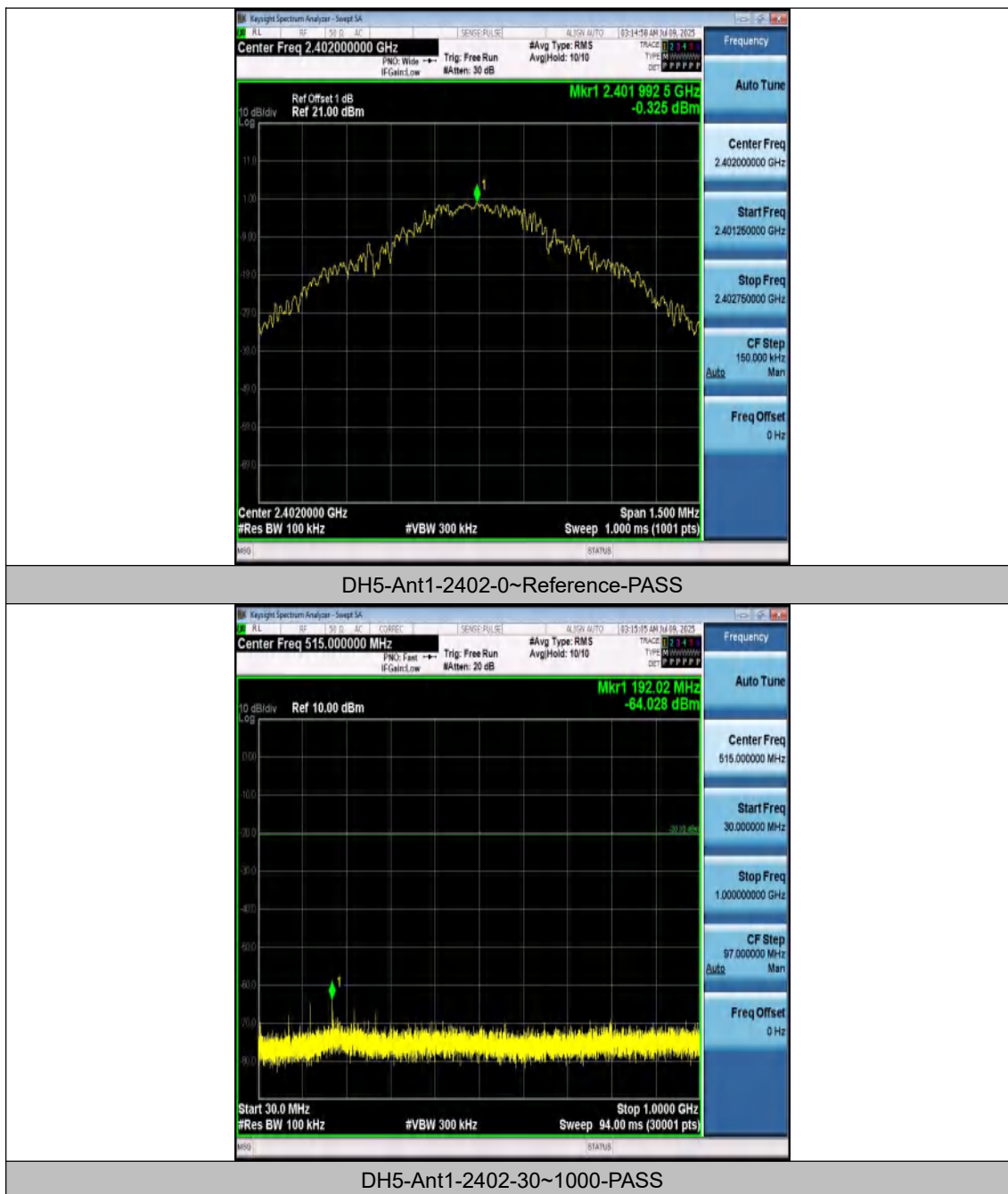
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.33	-0.33	---	PASS
DH5	Ant1	2402	30~1000	-0.33	-64.03	≤-20.33	PASS
DH5	Ant1	2402	1000~26500	-0.33	-43.25	≤-20.33	PASS
DH5	Ant1	2441	0~Reference	-0.49	-0.49	---	PASS
DH5	Ant1	2441	30~1000	-0.49	-62	≤-20.49	PASS
DH5	Ant1	2441	1000~26500	-0.49	-42.52	≤-20.49	PASS
DH5	Ant1	2480	0~Reference	-1.34	-1.34	---	PASS
DH5	Ant1	2480	30~1000	-1.34	-61.62	≤-21.34	PASS
DH5	Ant1	2480	1000~26500	-1.34	-40.63	≤-21.34	PASS
2DH5	Ant1	2402	0~Reference	-3.56	-3.56	---	PASS
2DH5	Ant1	2402	30~1000	-3.56	-63.01	≤-23.56	PASS
2DH5	Ant1	2402	1000~26500	-3.56	-46.08	≤-23.56	PASS
2DH5	Ant1	2441	0~Reference	-2.01	-2.01	---	PASS
2DH5	Ant1	2441	30~1000	-2.01	-63.6	≤-22.01	PASS
2DH5	Ant1	2441	1000~26500	-2.01	-43.96	≤-22.01	PASS
2DH5	Ant1	2480	0~Reference	-1.35	-1.35	---	PASS
2DH5	Ant1	2480	30~1000	-1.35	-61.34	≤-21.35	PASS
2DH5	Ant1	2480	1000~26500	-1.35	-41.4	≤-21.35	PASS
3DH5	Ant1	2402	0~Reference	-1.25	-1.25	---	PASS
3DH5	Ant1	2402	30~1000	-1.25	-65.29	≤-21.25	PASS
3DH5	Ant1	2402	1000~26500	-1.25	-45.04	≤-21.25	PASS
3DH5	Ant1	2441	0~Reference	-3.36	-3.36	---	PASS
3DH5	Ant1	2441	30~1000	-3.36	-64.3	≤-23.36	PASS
3DH5	Ant1	2441	1000~26500	-3.36	-45.18	≤-23.36	PASS
3DH5	Ant1	2480	0~Reference	-3.05	-3.05	---	PASS
3DH5	Ant1	2480	30~1000	-3.05	-58.61	≤-23.05	PASS
3DH5	Ant1	2480	1000~26500	-3.05	-42.95	≤-23.05	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.

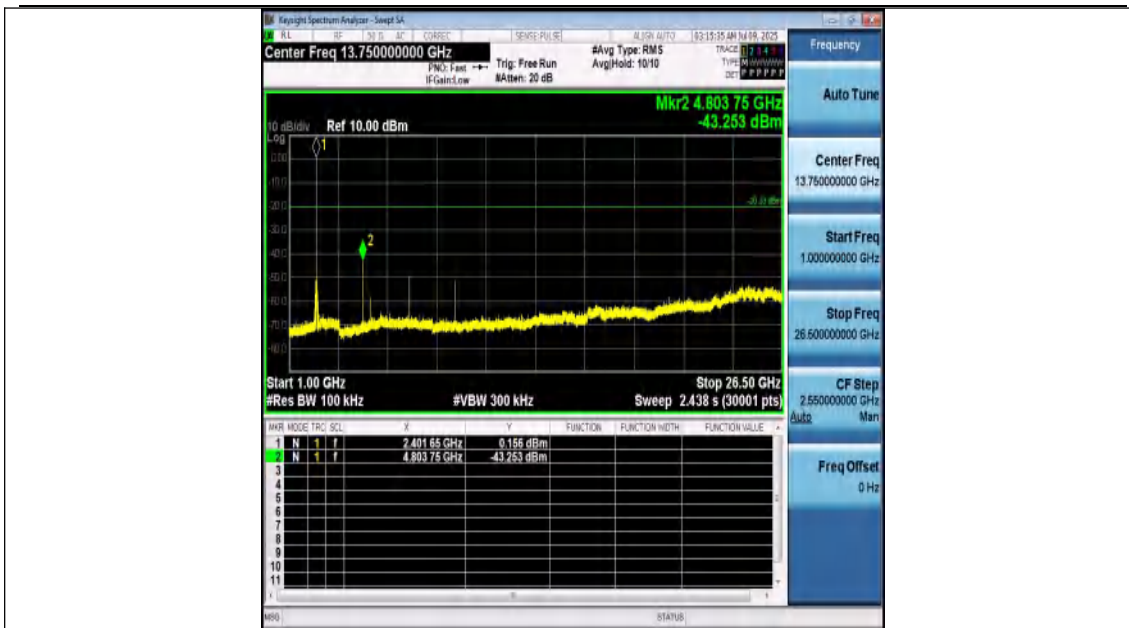
Test Graphs



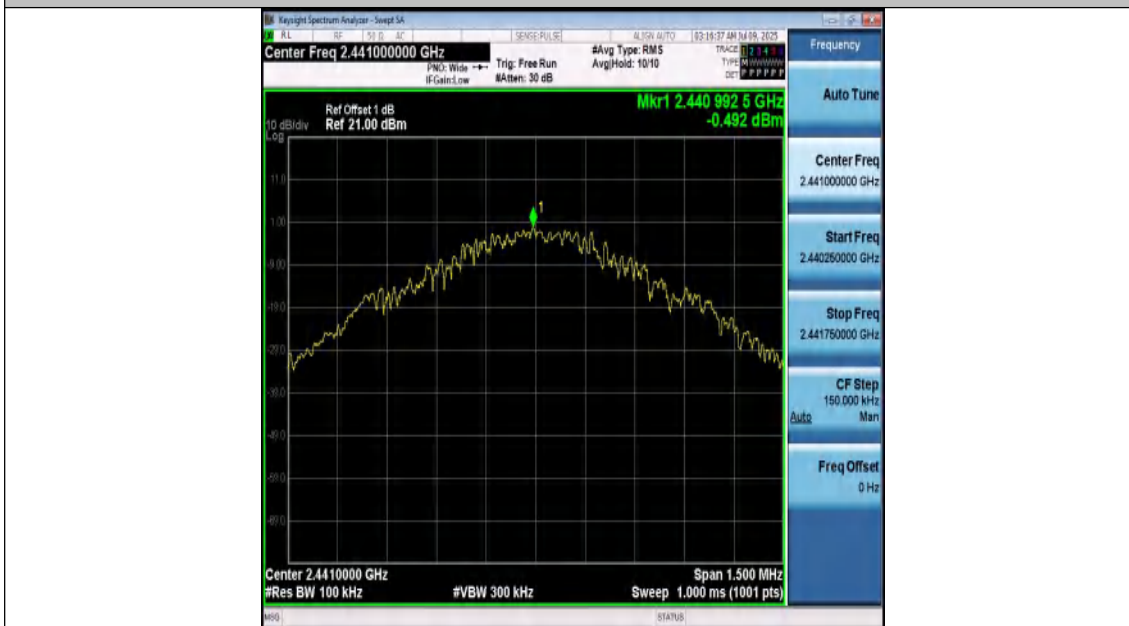
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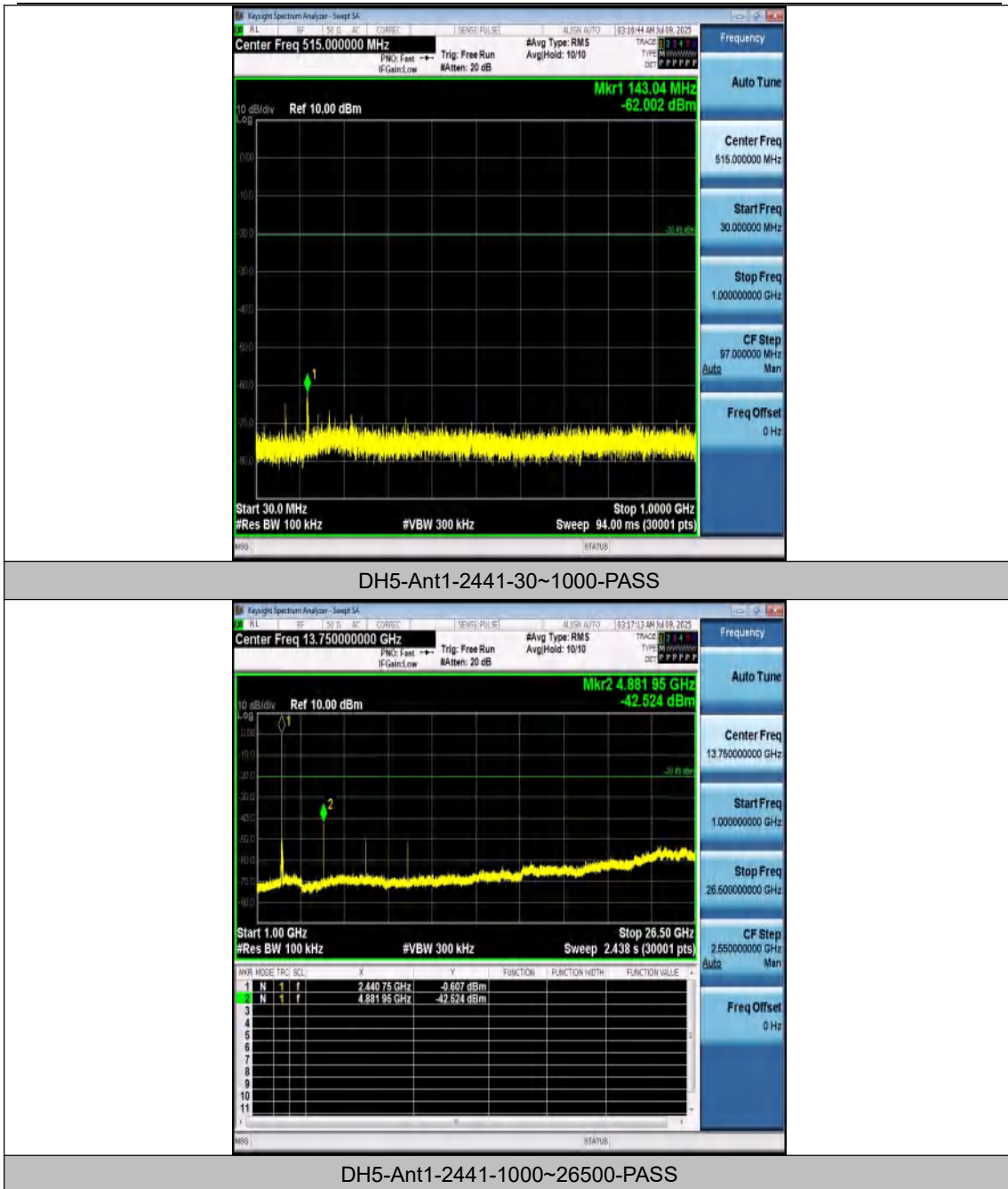
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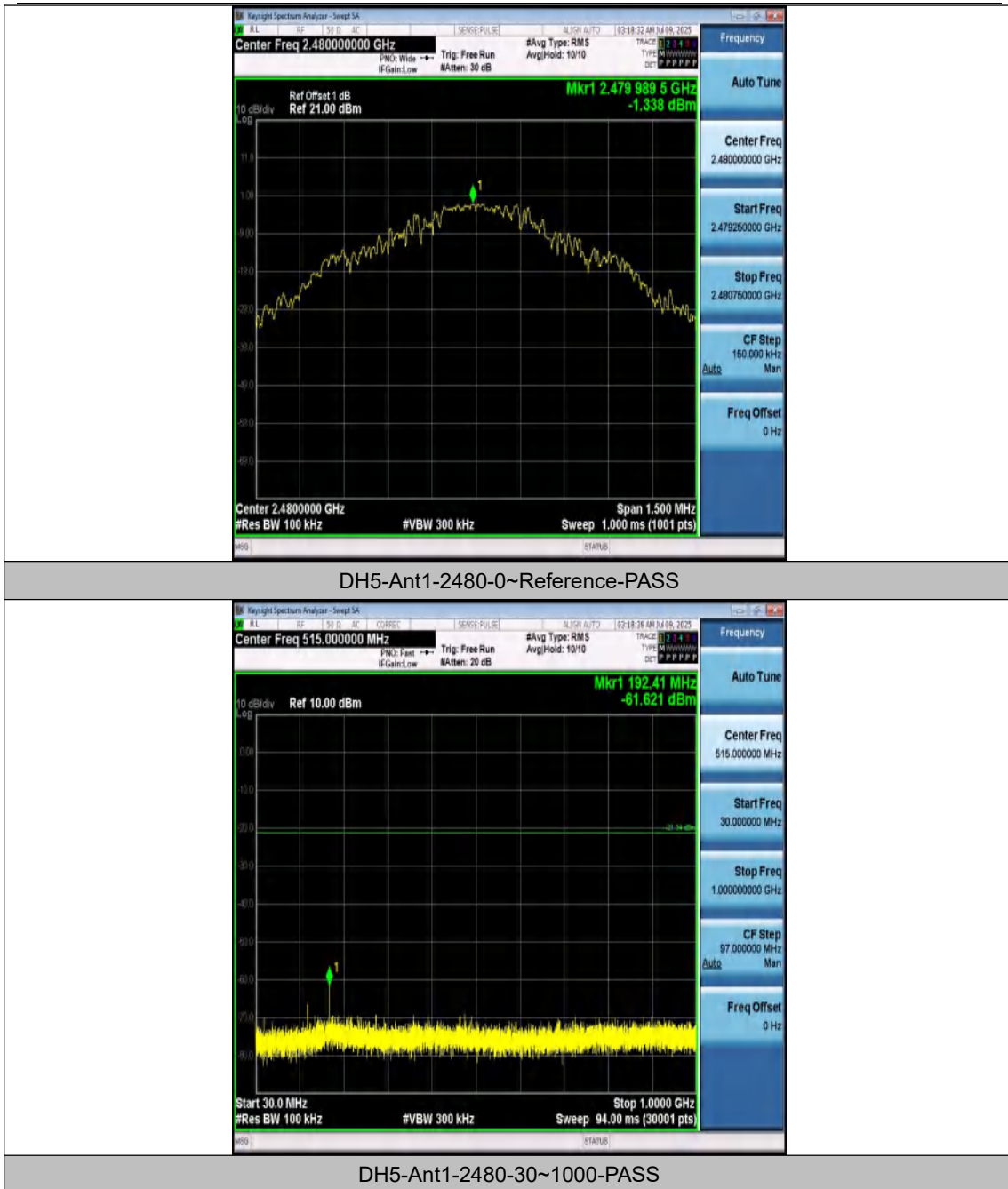


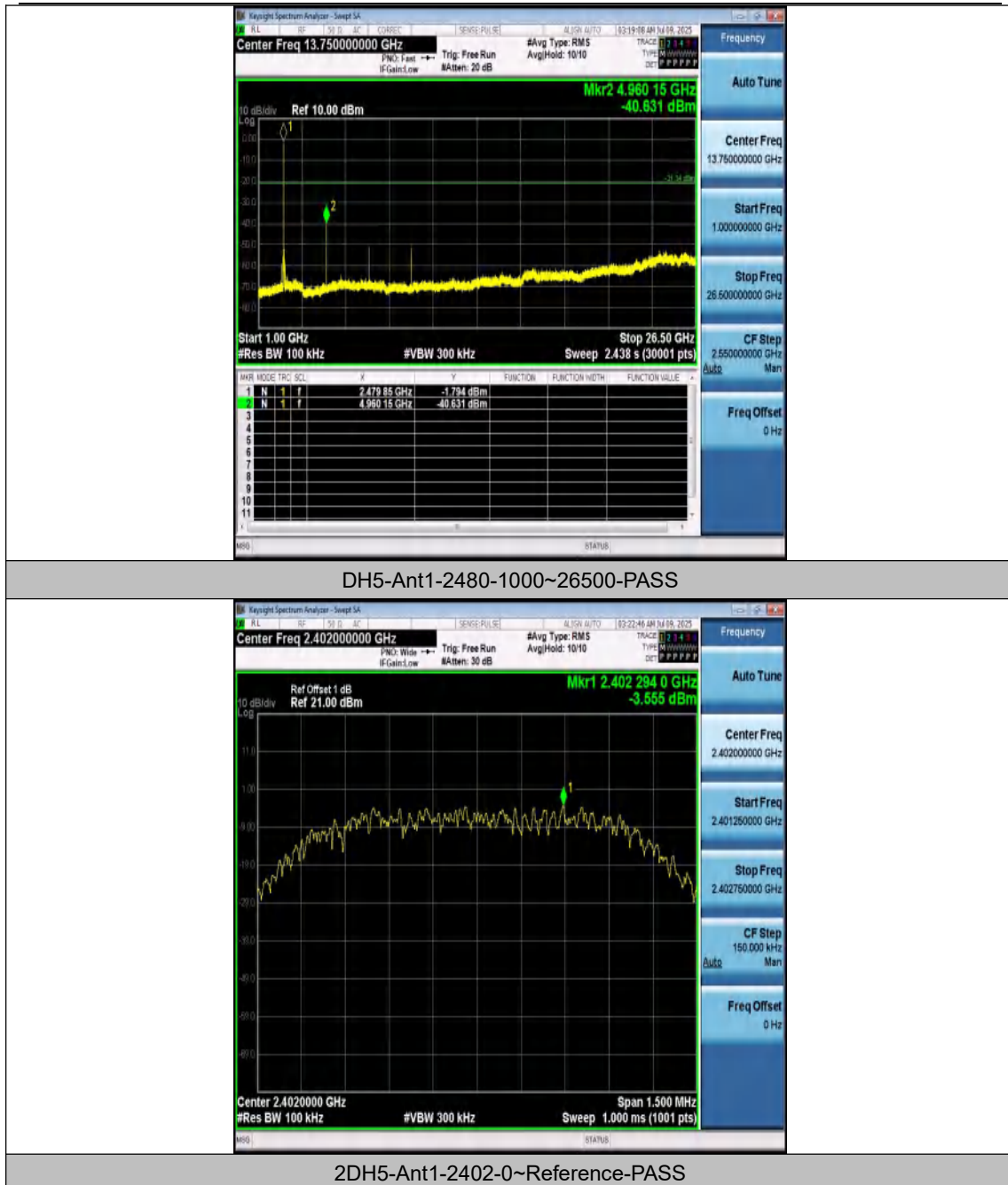
DH5-Ant1-2402-1000~26500-PASS

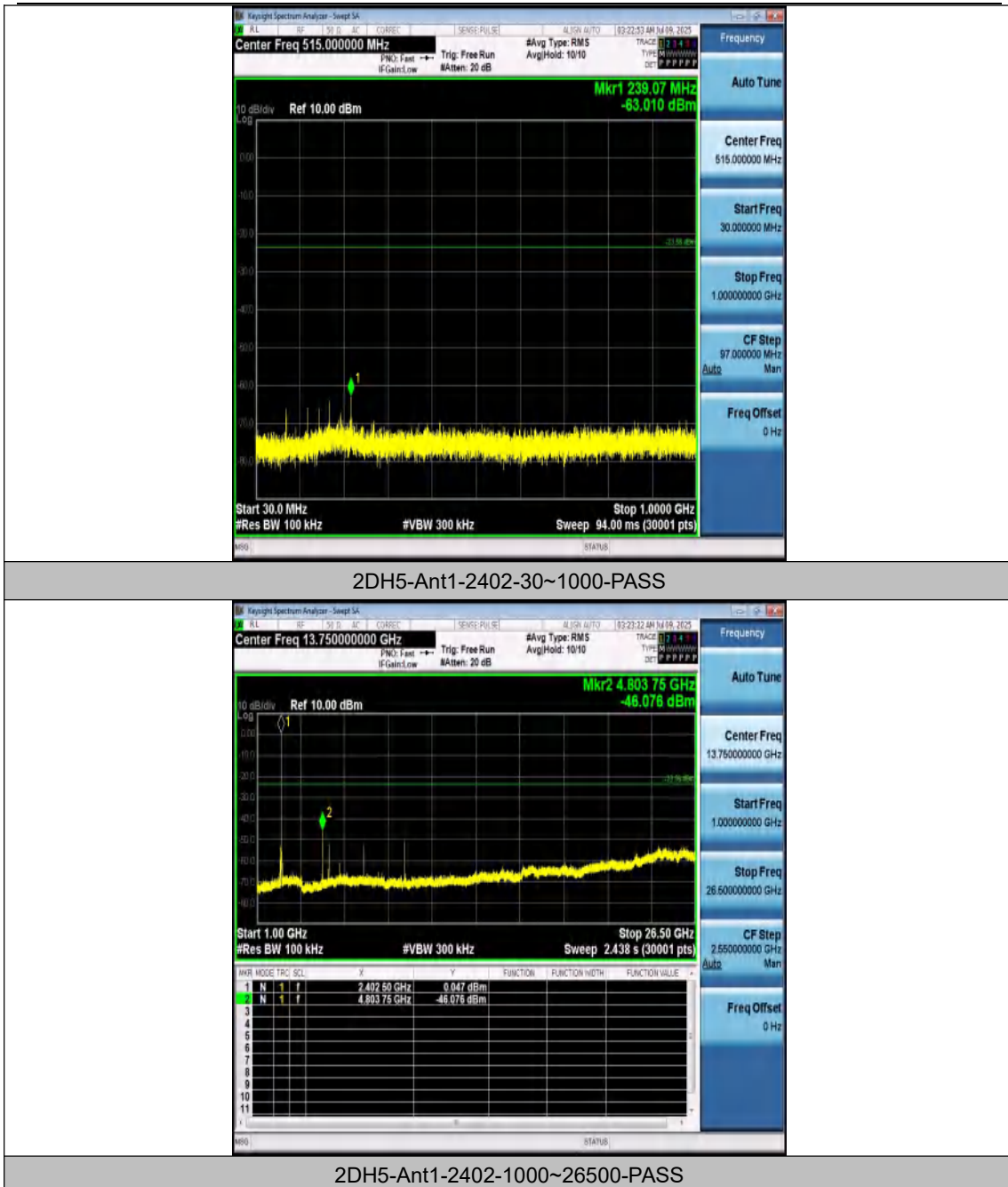


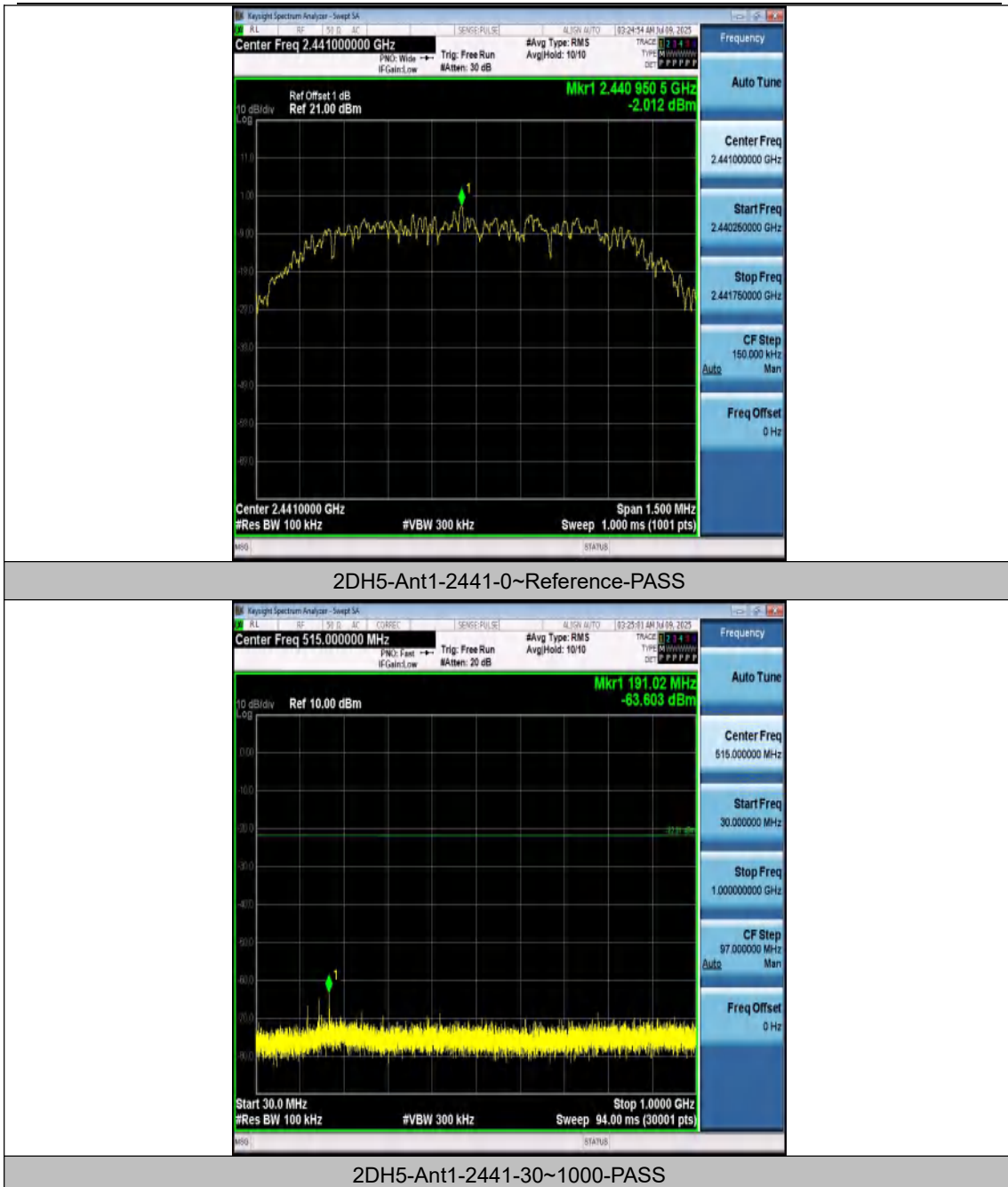
DH5-Ant1-2441-0~Reference-PASS

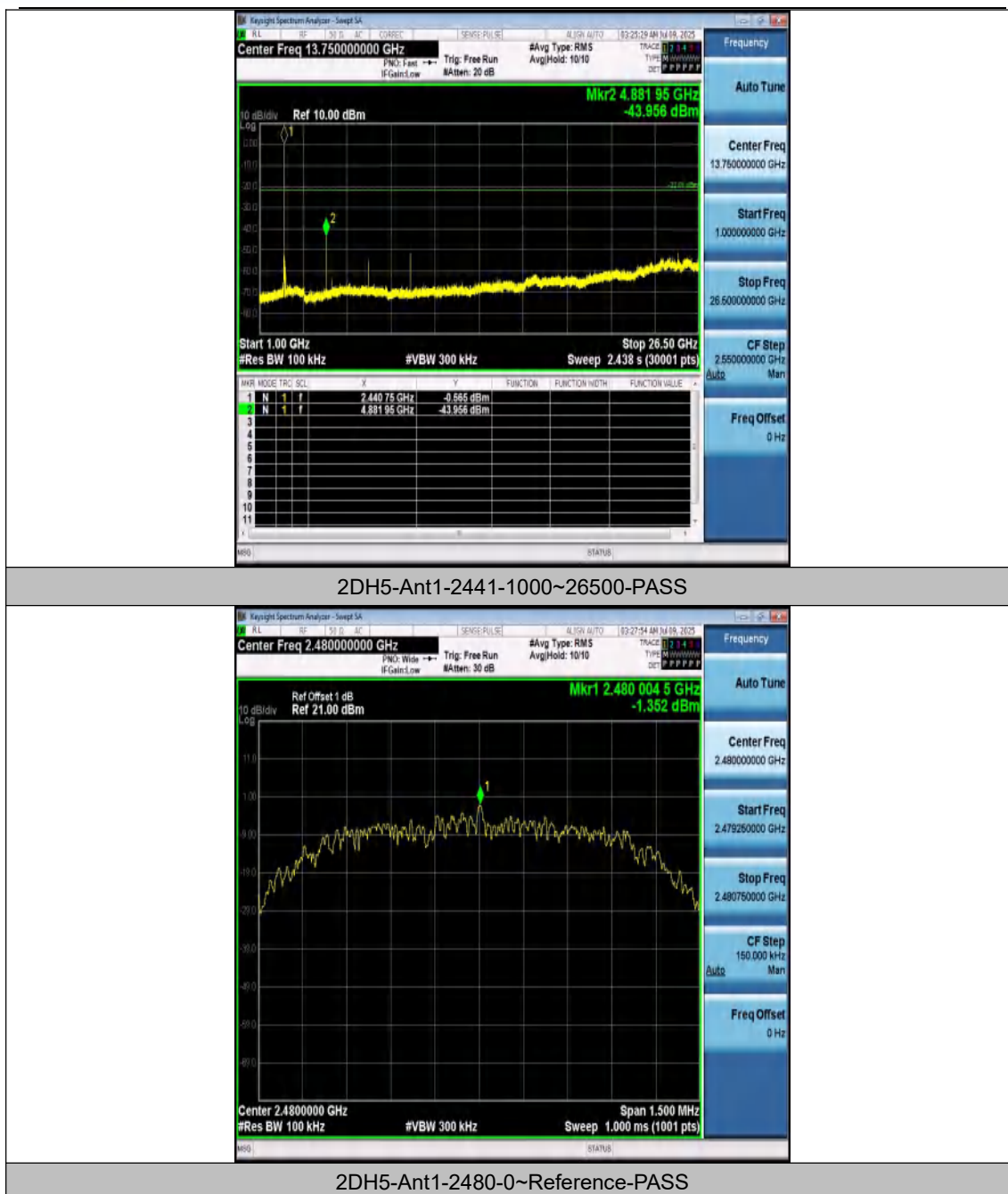


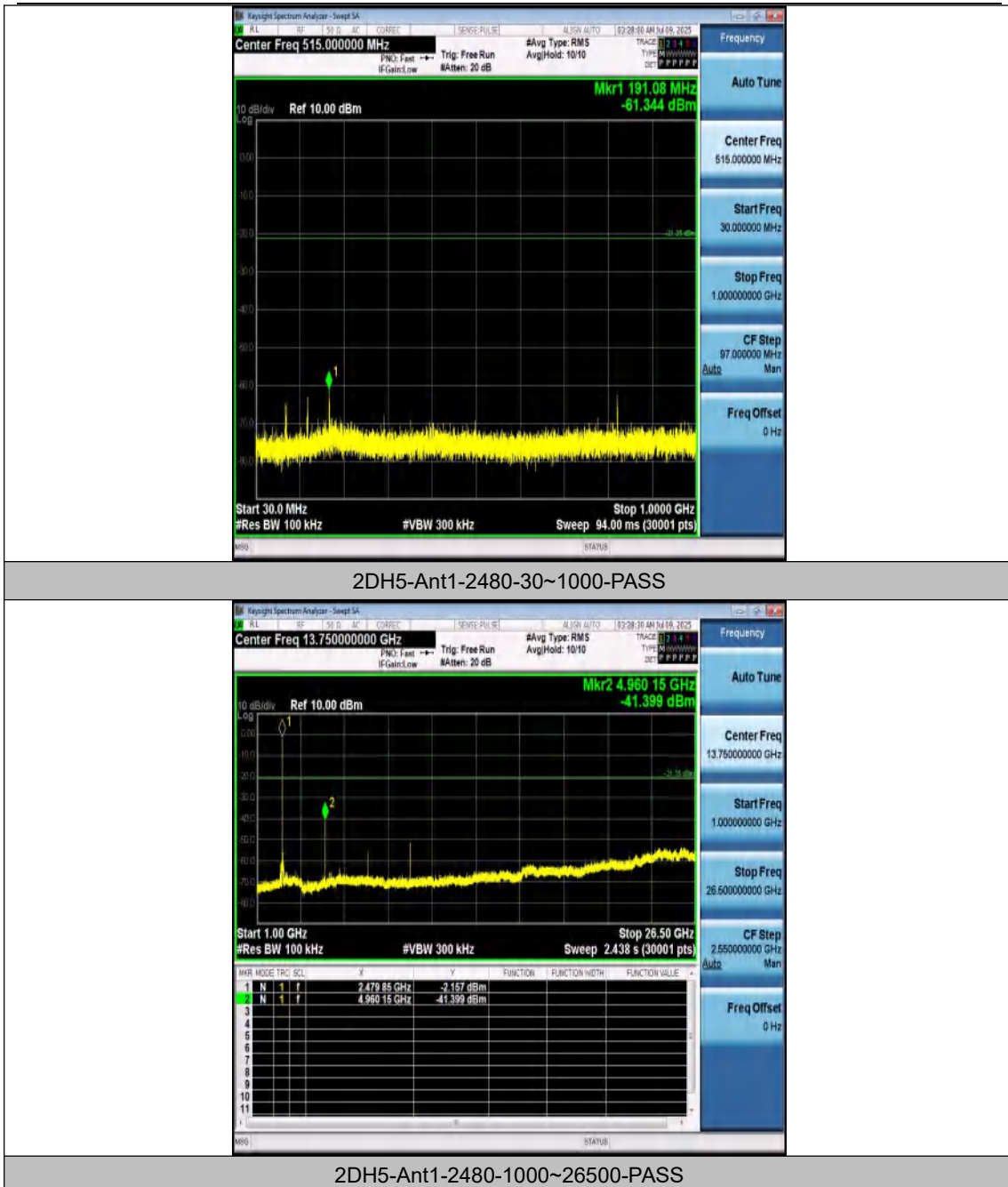


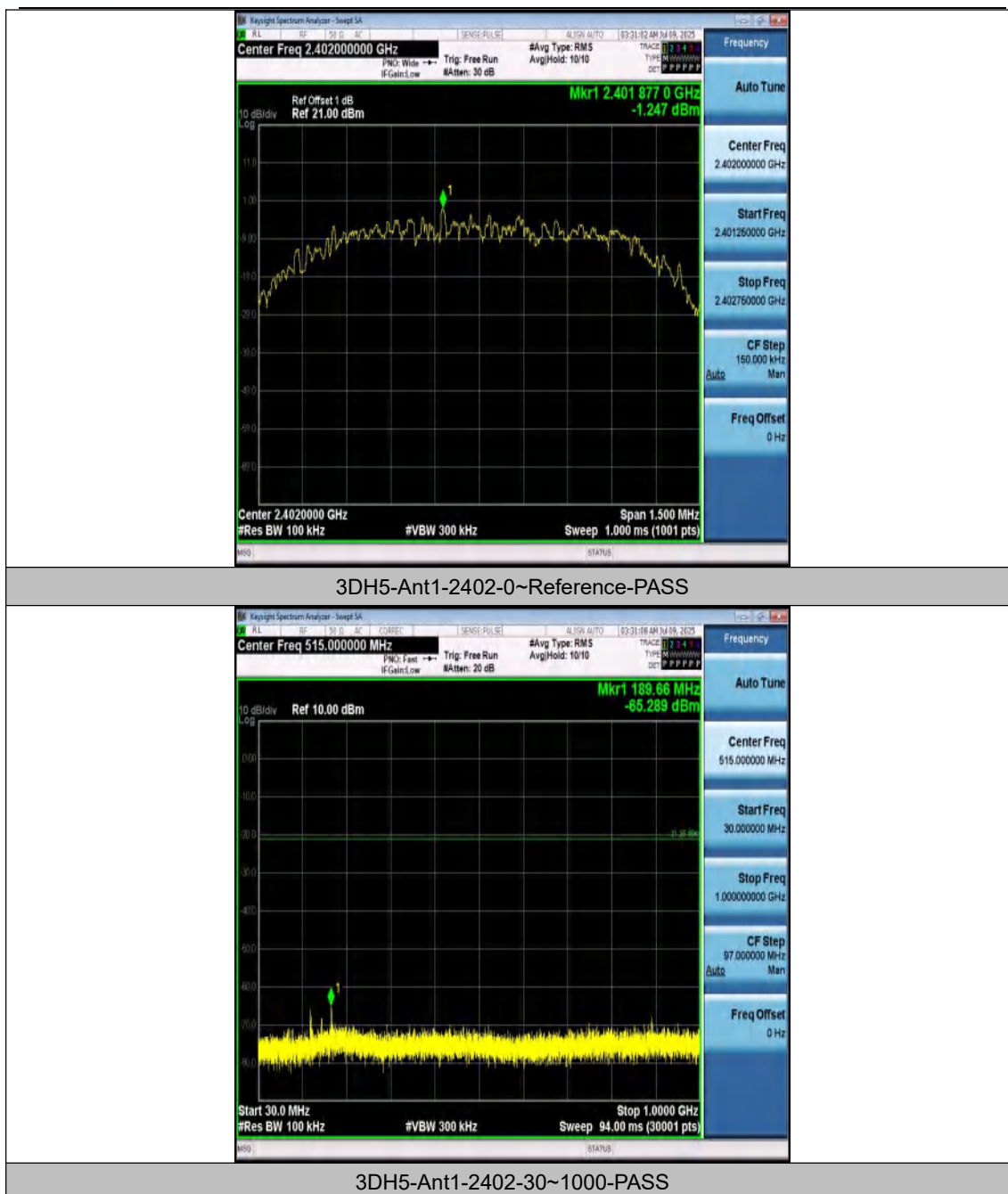


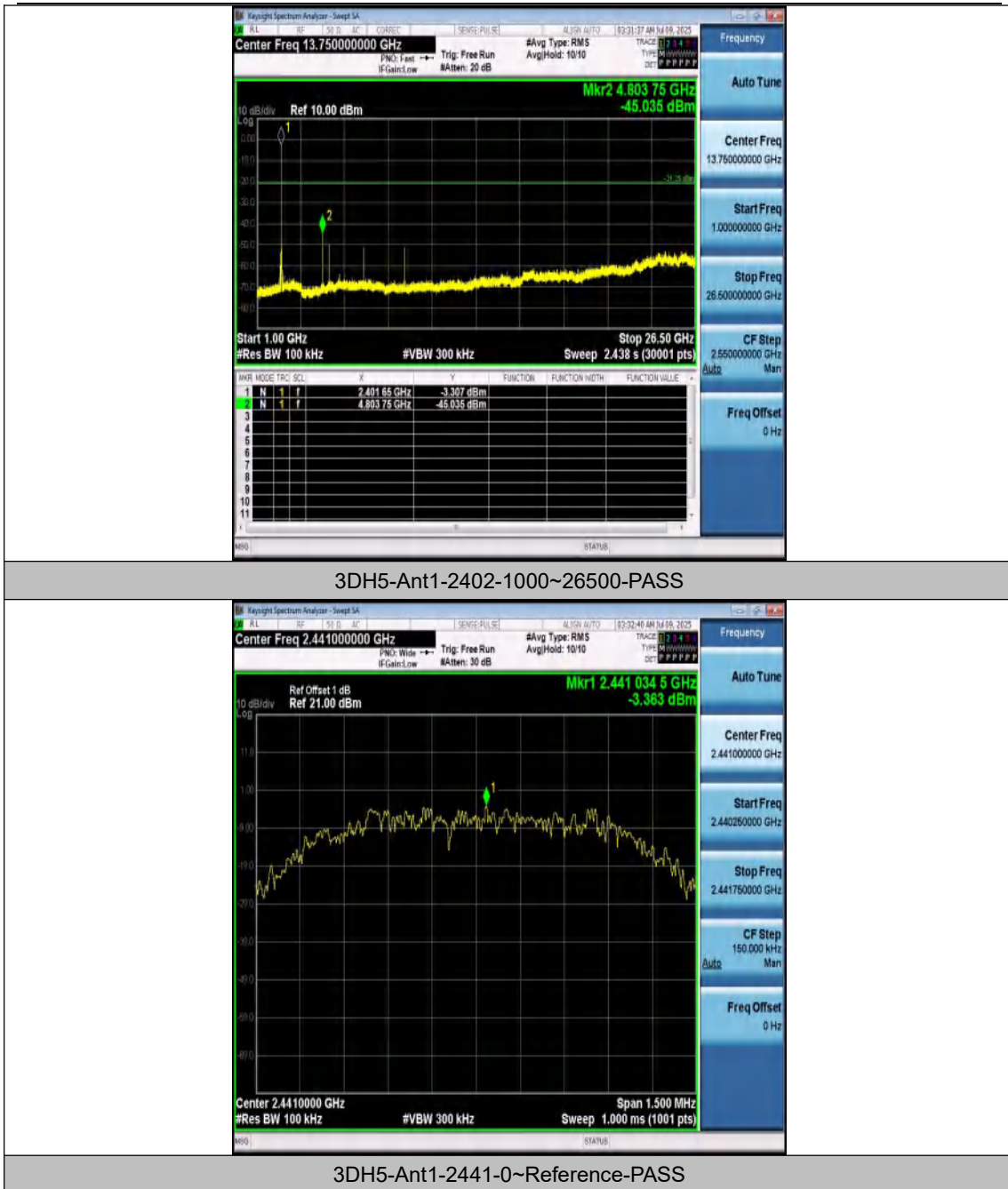


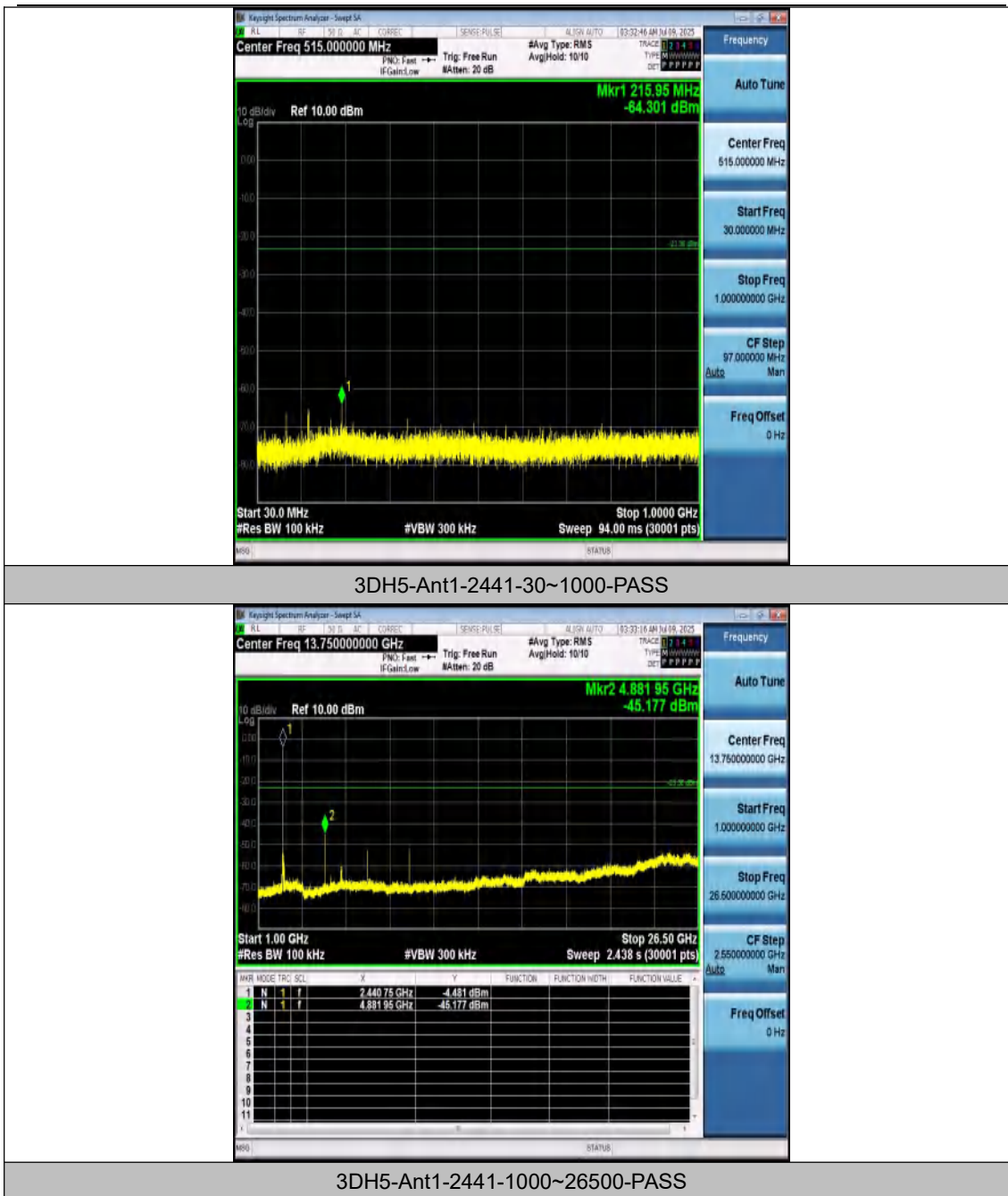


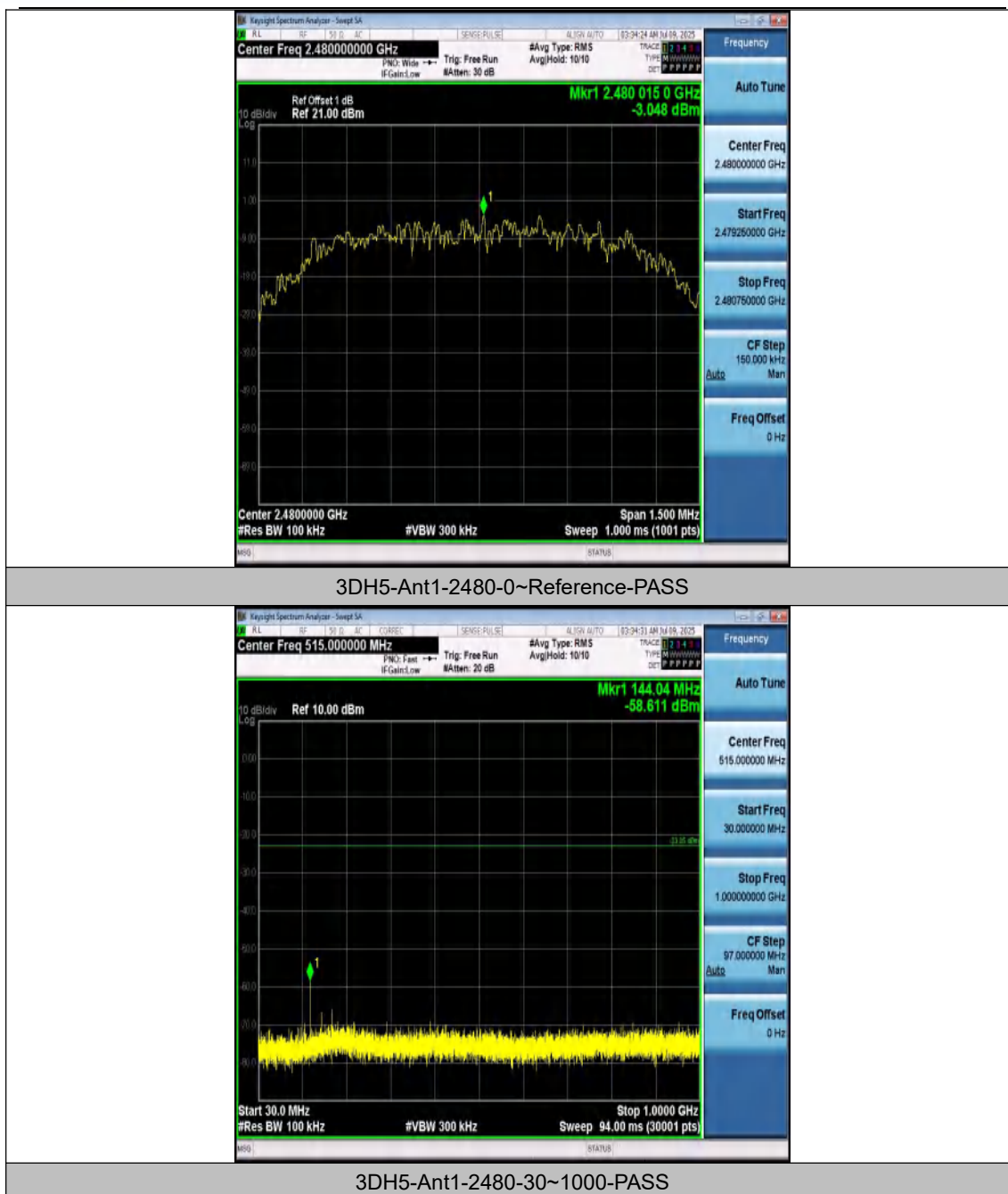


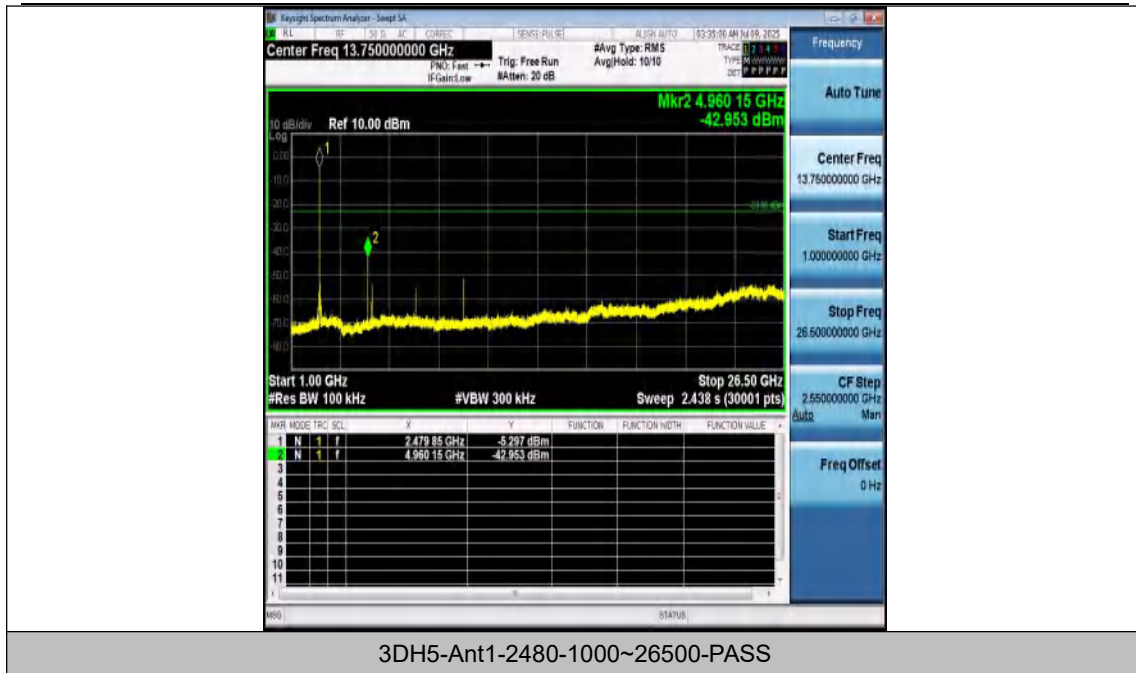












3DH5-Ant1-2480-1000~26500-PASS

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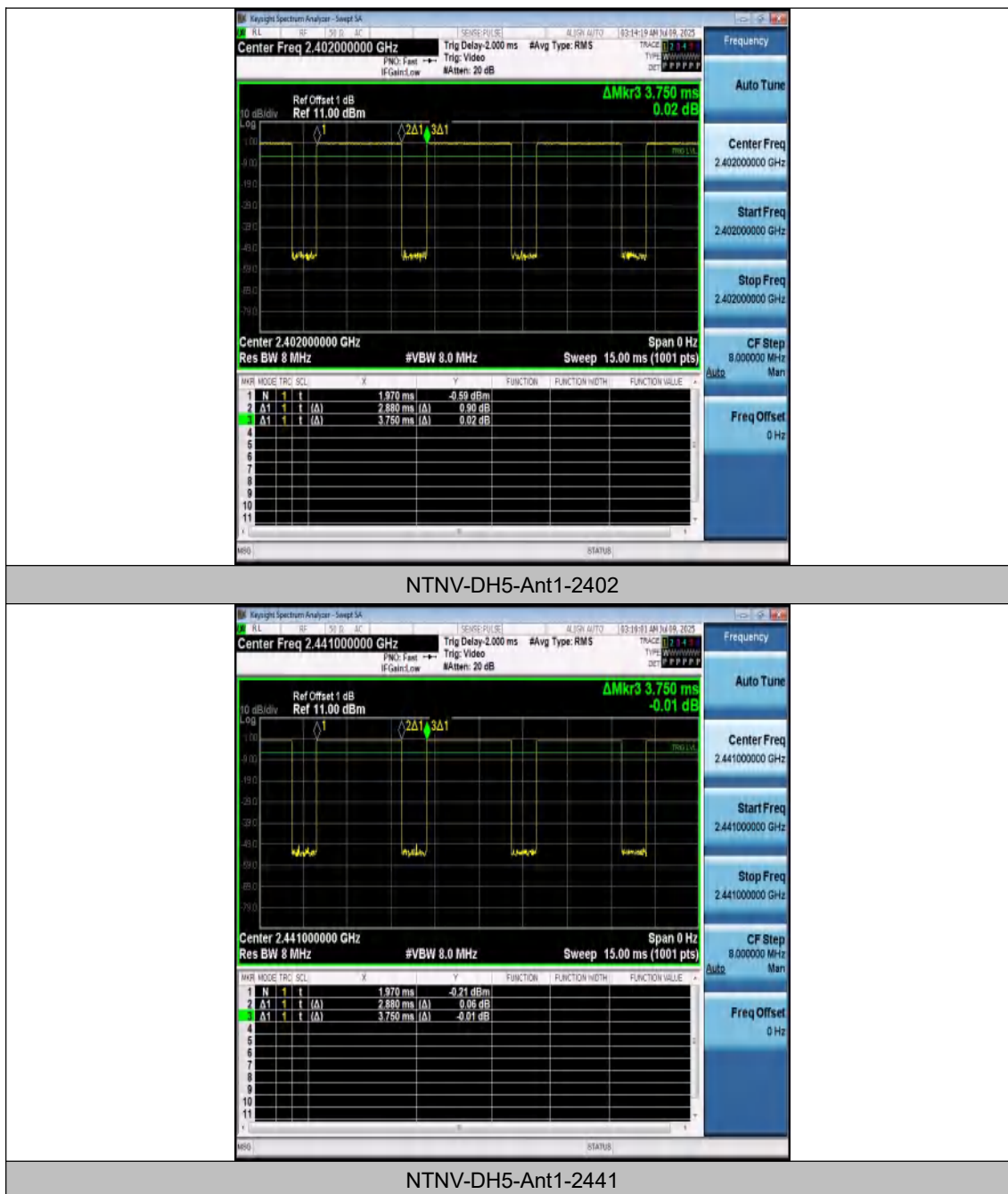
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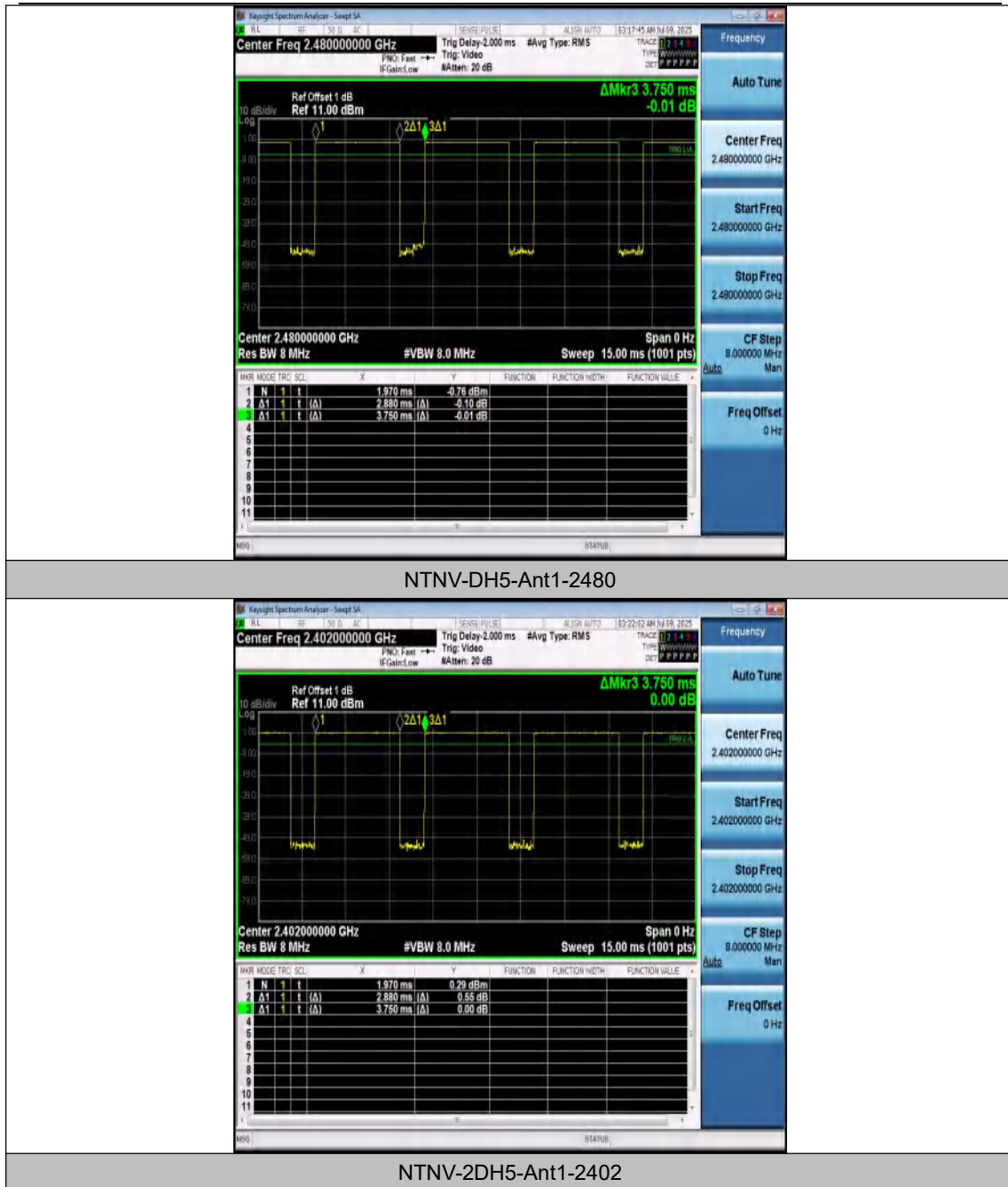
Appendix I: Duty Cycle

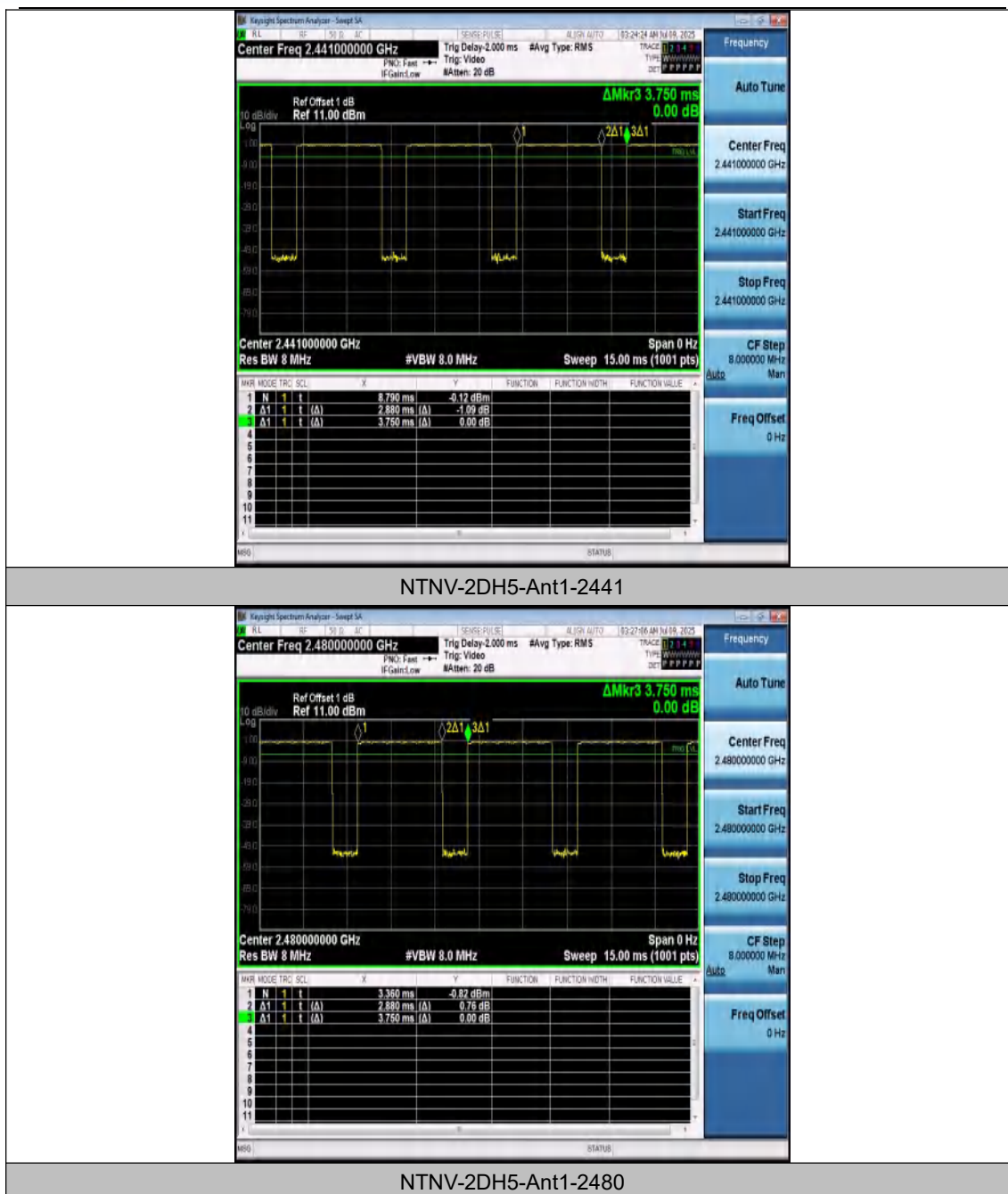
Test Result

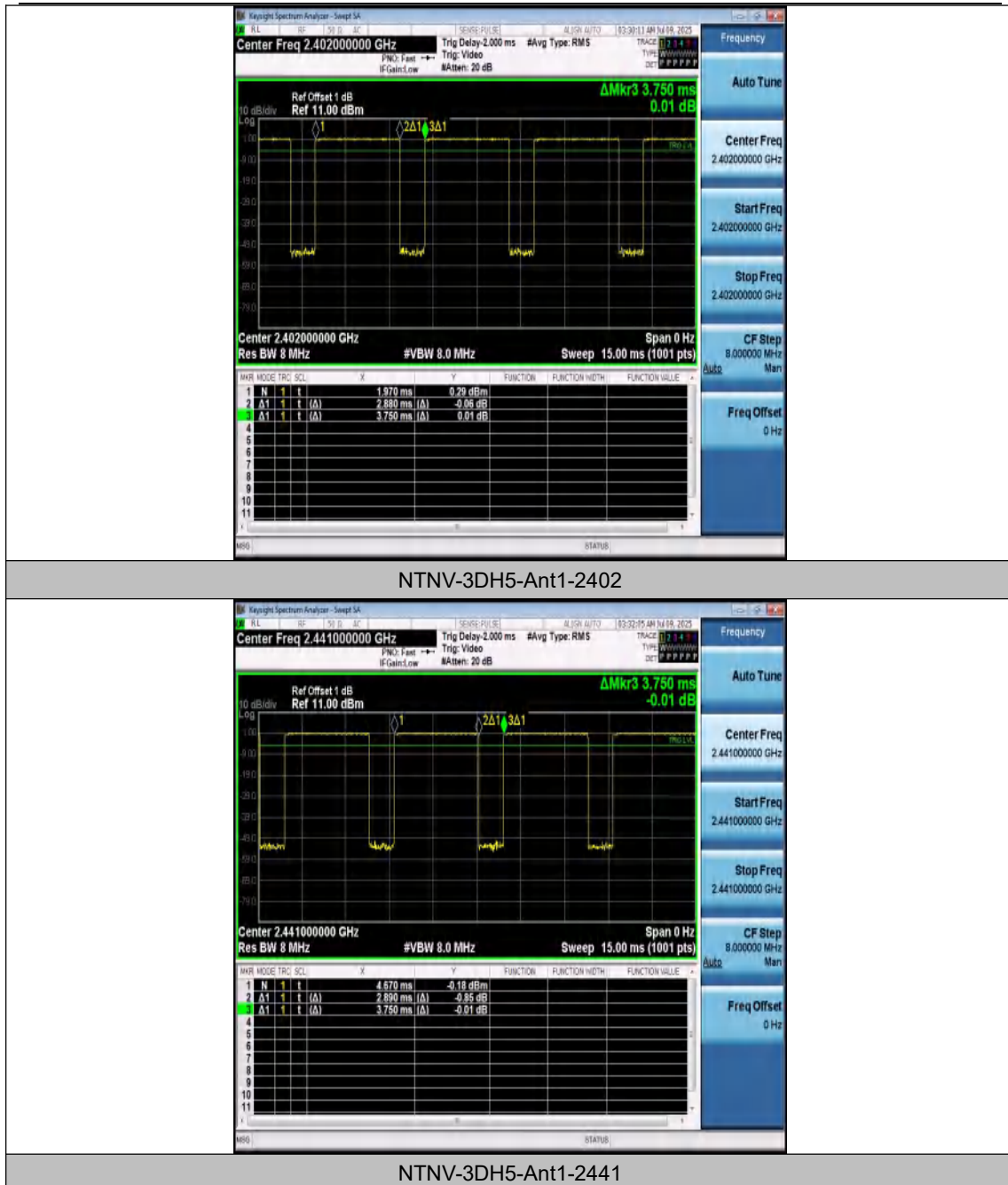
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80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

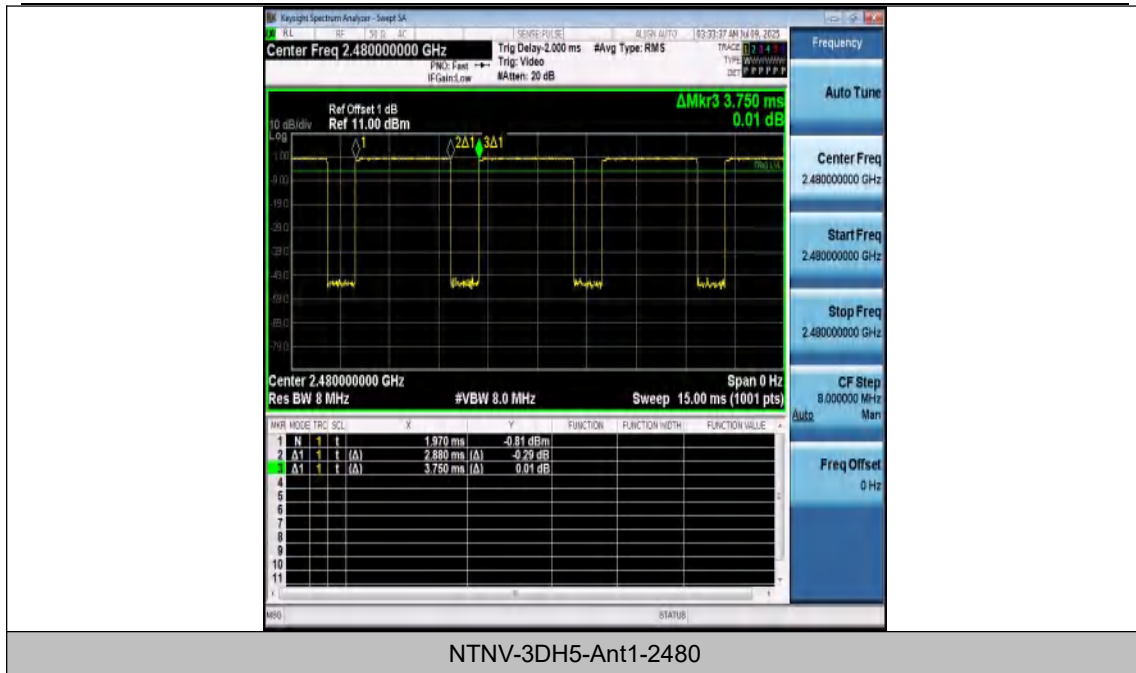
Test Graphs











NTNV-3DH5-Ant1-2480

---End---