

Appendix Test Data

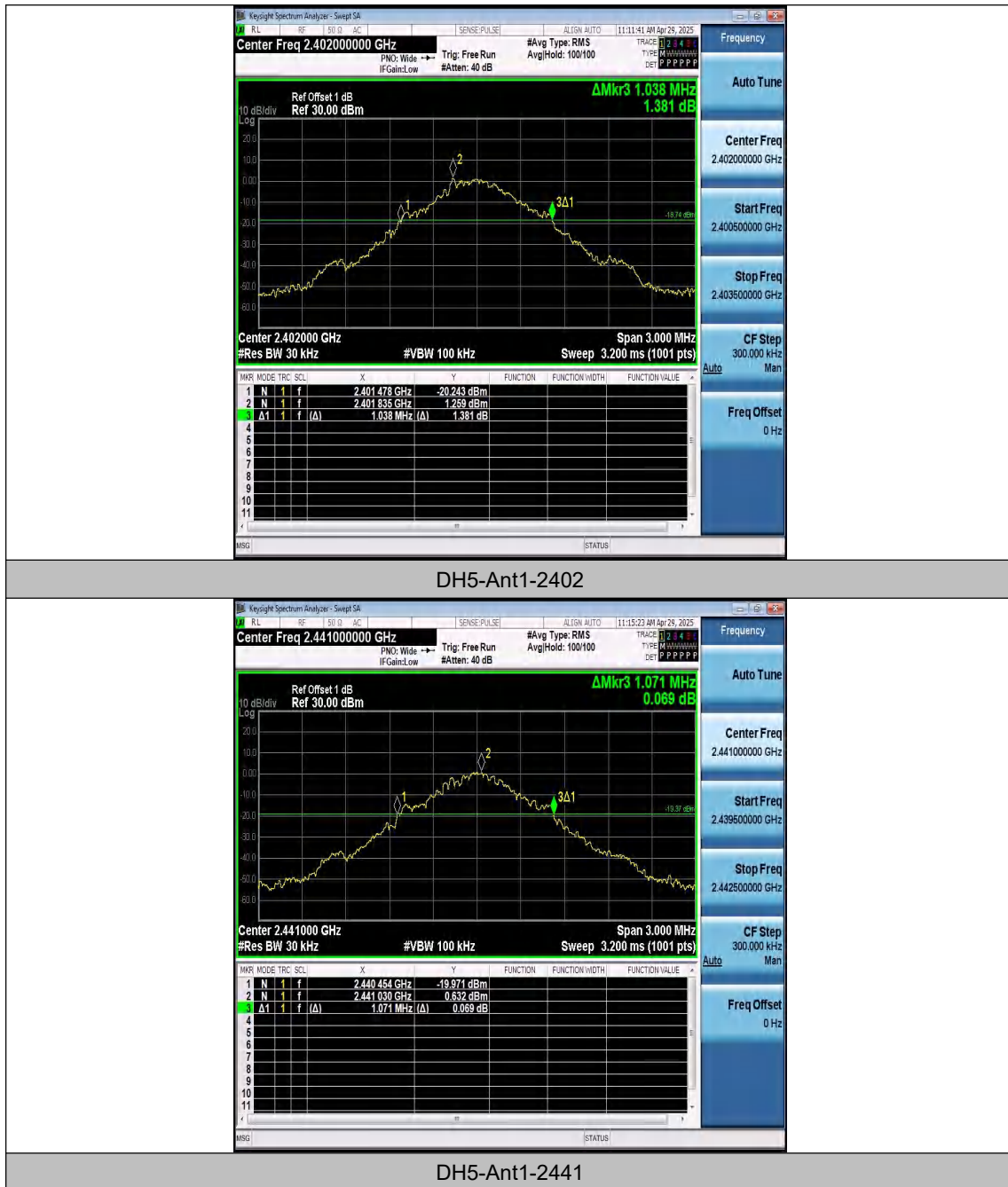
Report No.:	1812C50193312501	Test Sample No.:	1-2-2
Start Test Date:	2025-04-29	Finish Test Date:	2025-04-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°C	Relative Humidity:	46%
Pressure:	101kPa		

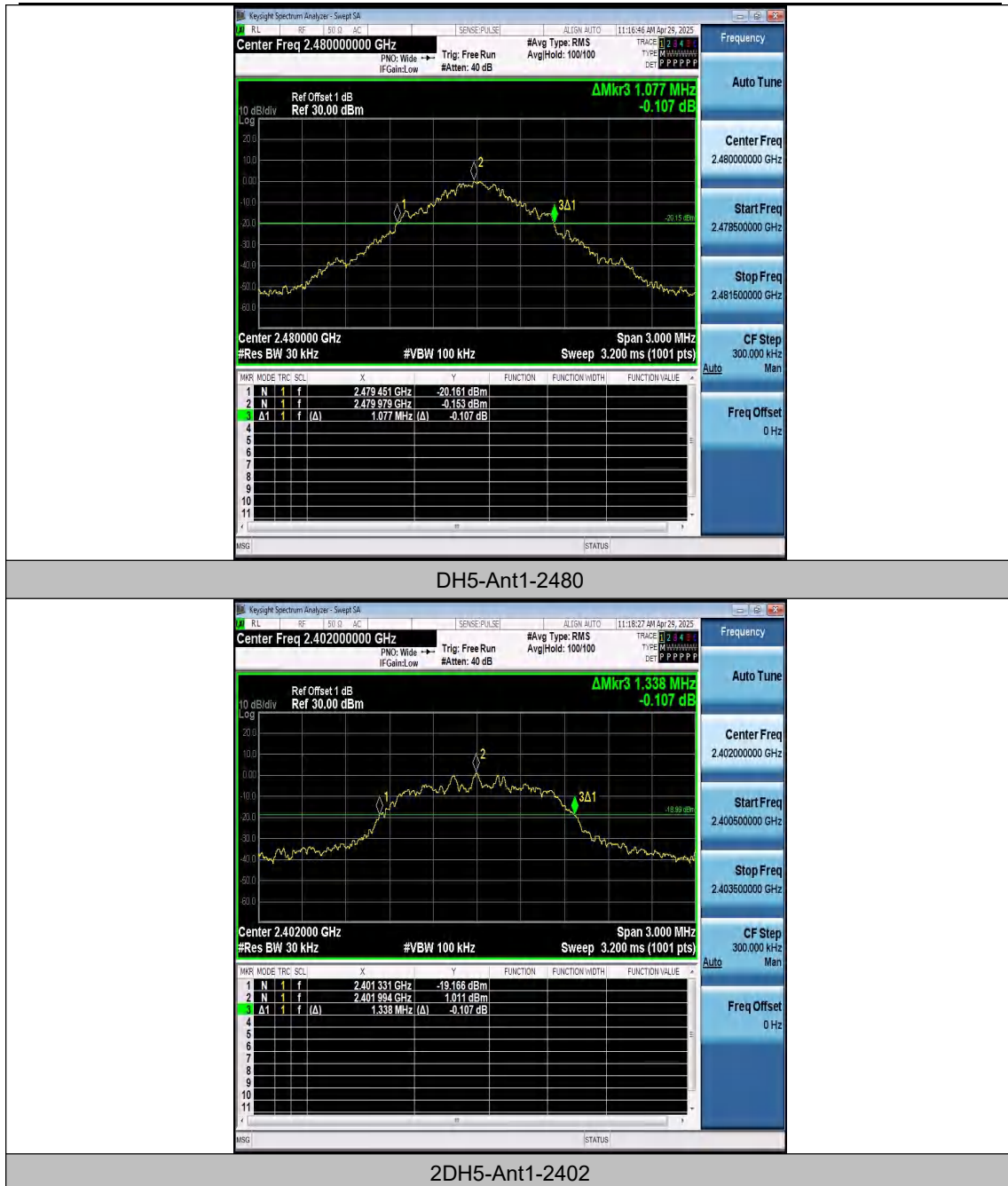
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.038	2401.478	2402.516	---	---
DH5	Ant1	2441	1.071	2440.454	2441.525	---	---
DH5	Ant1	2480	1.077	2479.451	2480.528	---	---
2DH5	Ant1	2402	1.338	2401.331	2402.669	---	---
2DH5	Ant1	2441	1.362	2440.322	2441.684	---	---
2DH5	Ant1	2480	1.389	2479.313	2480.702	---	---
3DH5	Ant1	2402	1.344	2401.325	2402.669	---	---
3DH5	Ant1	2441	1.353	2440.319	2441.672	---	---
3DH5	Ant1	2480	1.299	2479.349	2480.648	---	---

Test Graphs





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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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3DH5-Ant1-2480

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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	0.95341	2401.5257	2402.4791	---	---
DH5	Ant1	2441	0.97465	2440.5119	2441.4866	---	---
DH5	Ant1	2480	0.98323	2479.5041	2480.4873	---	---
2DH5	Ant1	2402	1.2531	2401.3828	2402.6359	---	---
2DH5	Ant1	2441	1.2661	2440.3769	2441.6430	---	---
2DH5	Ant1	2480	1.2727	2479.3727	2480.6454	---	---
3DH5	Ant1	2402	1.2392	2401.3805	2402.6197	---	---
3DH5	Ant1	2441	1.2359	2440.3818	2441.6177	---	---
3DH5	Ant1	2480	1.2345	2479.3822	2480.6167	---	---

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Test Graphs



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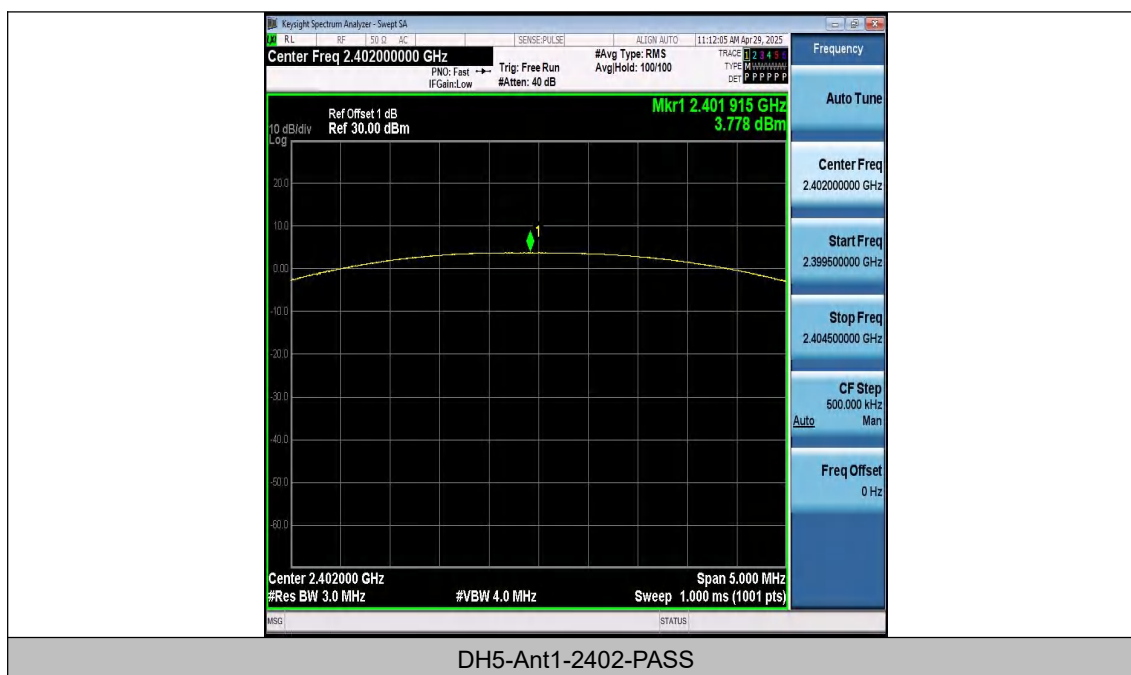
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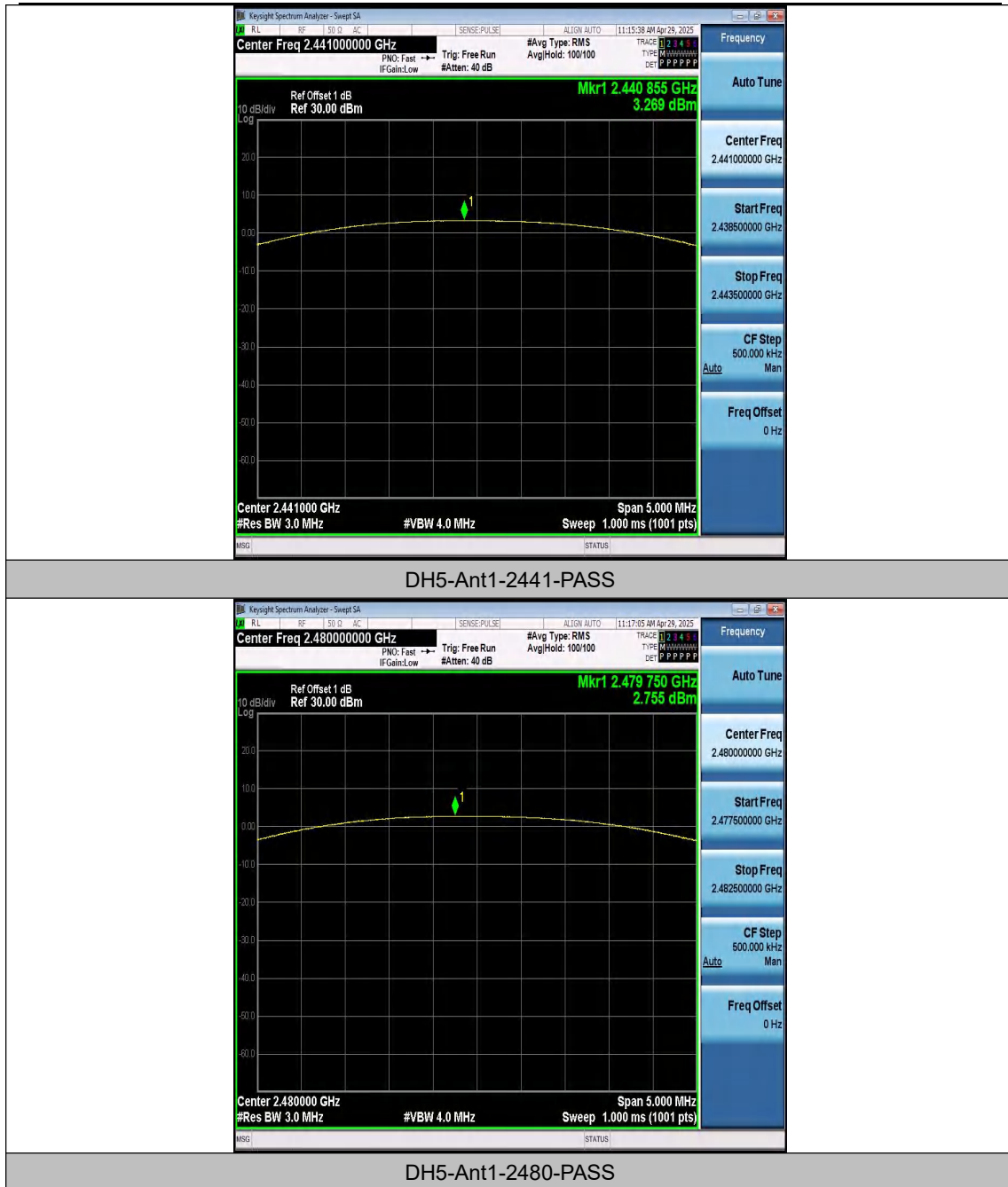
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.78	≤20.97	PASS
DH5	Ant1	2441	3.27	≤20.97	PASS
DH5	Ant1	2480	2.76	≤20.97	PASS
2DH5	Ant1	2402	4.31	≤20.97	PASS
2DH5	Ant1	2441	3.92	≤20.97	PASS
2DH5	Ant1	2480	3.45	≤20.97	PASS
3DH5	Ant1	2402	4.56	≤20.97	PASS
3DH5	Ant1	2441	4.19	≤20.97	PASS
3DH5	Ant1	2480	3.72	≤20.97	PASS

Test Graphs

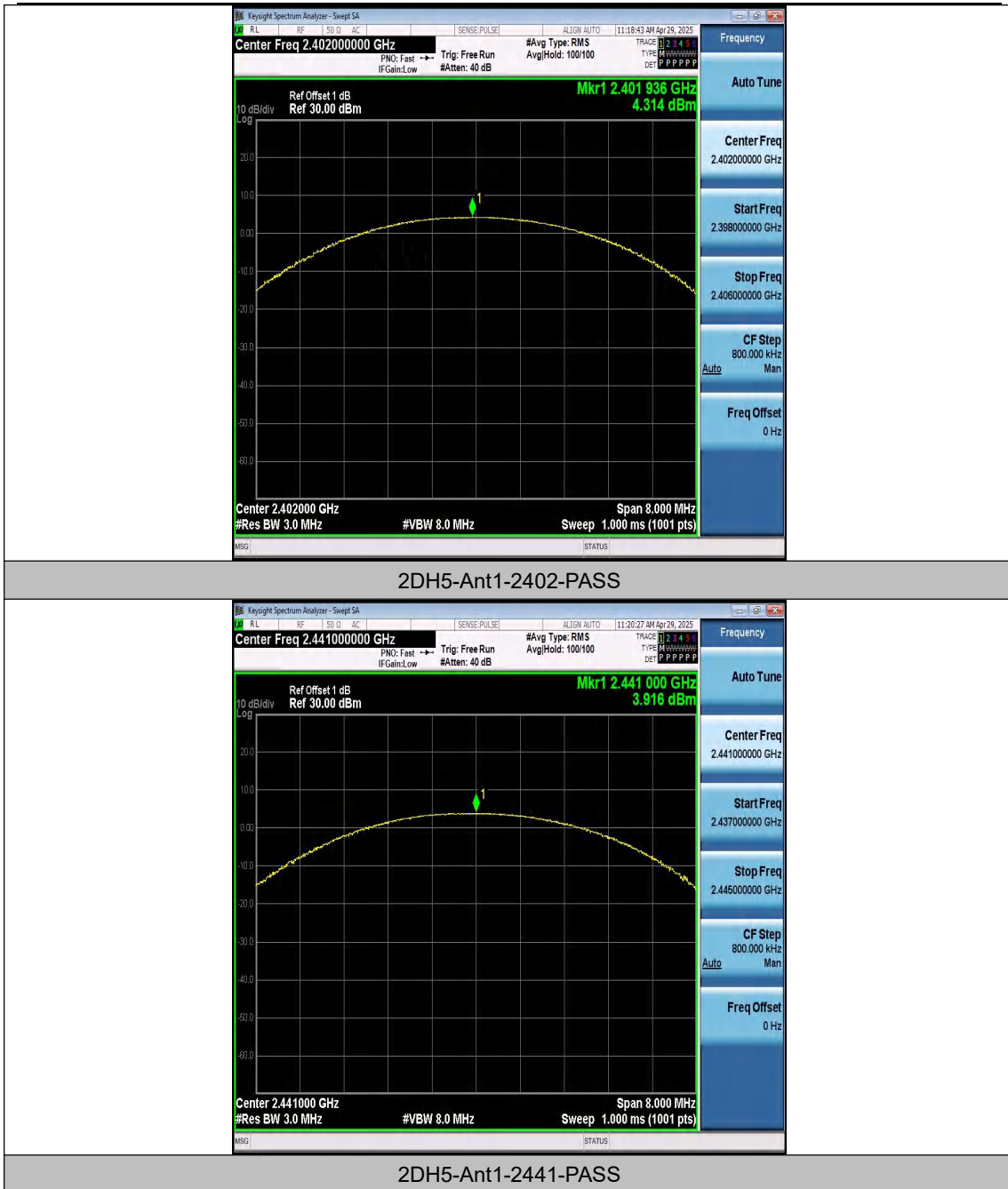




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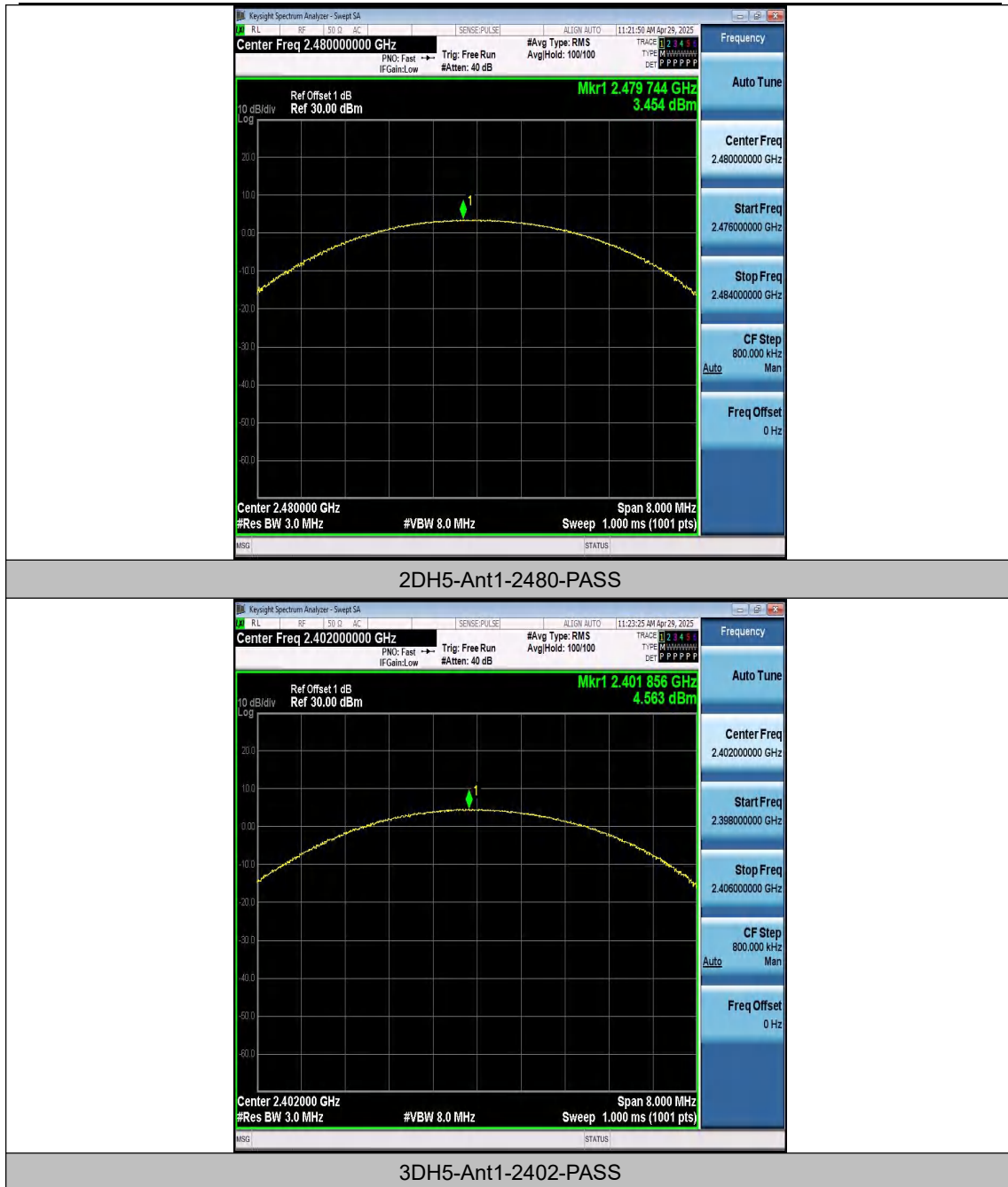
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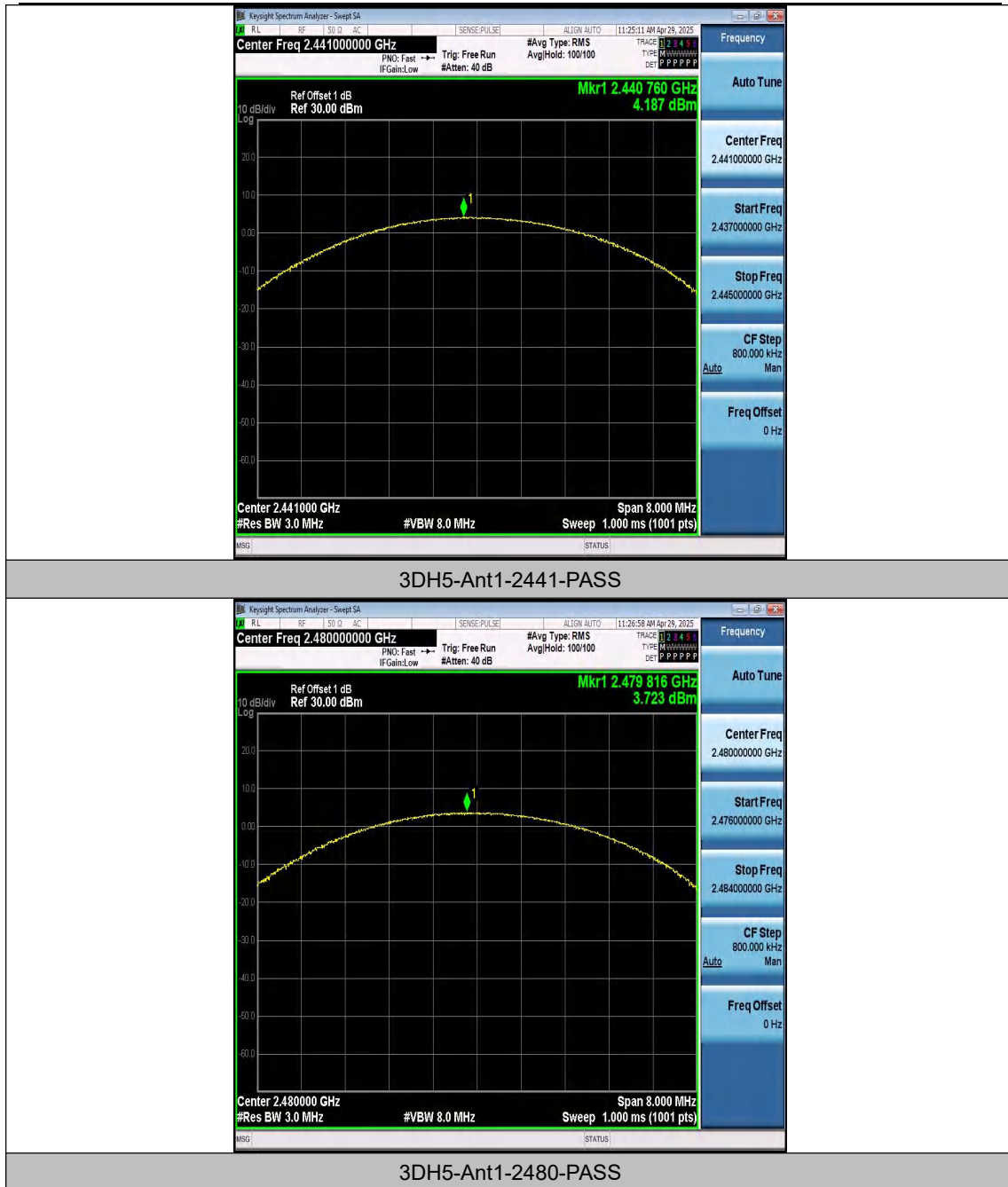
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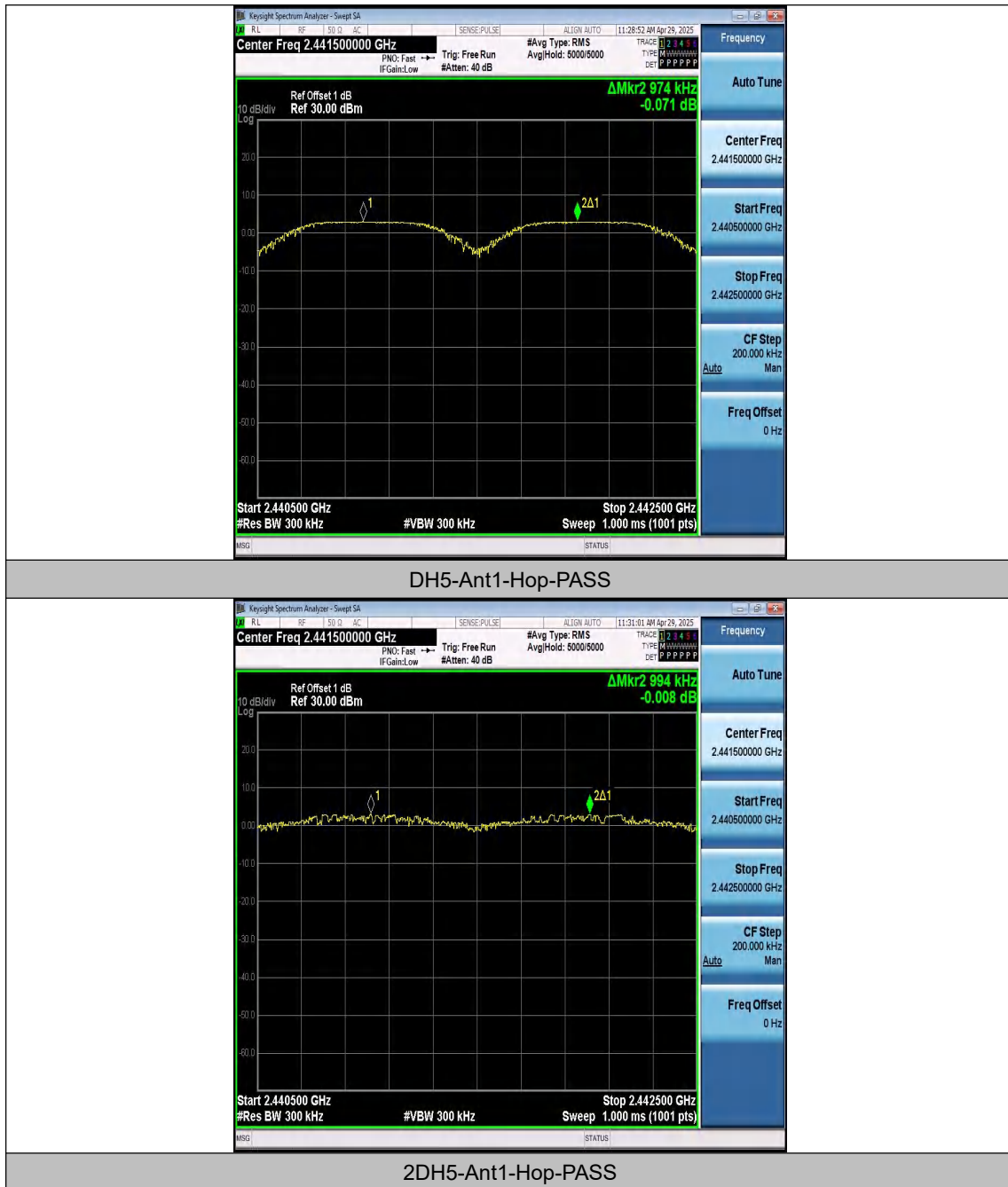
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.974	≥ 0.718	PASS
2DH5	Ant1	Hop	0.994	≥ 0.926	PASS
3DH5	Ant1	Hop	1.032	≥ 0.902	PASS

Test Graphs



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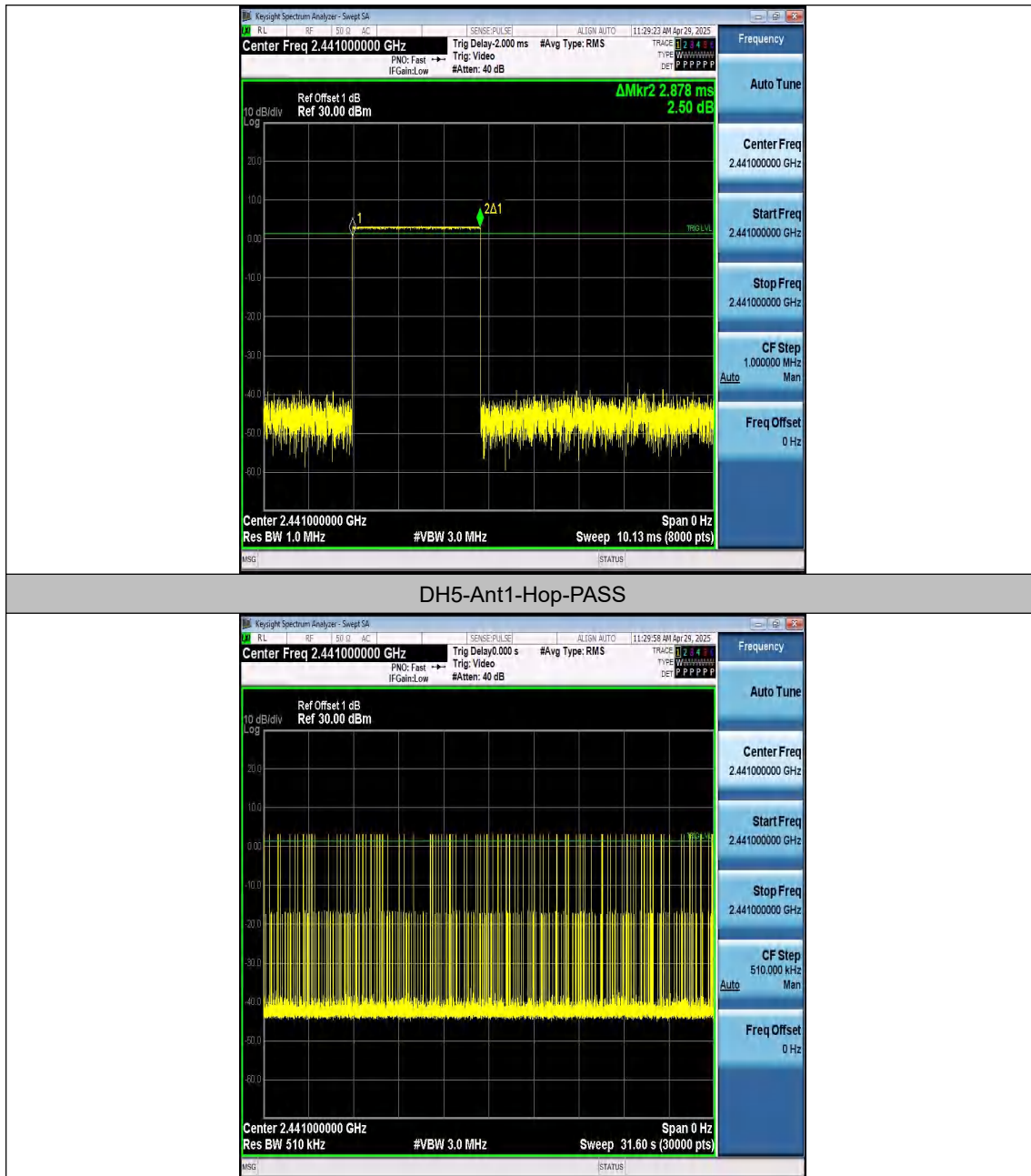
Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	114	0.328	≤0.4	PASS
2DH5	Ant1	Hop	2.884	104	0.3	≤0.4	PASS
3DH5	Ant1	Hop	2.887	113	0.326	≤0.4	PASS

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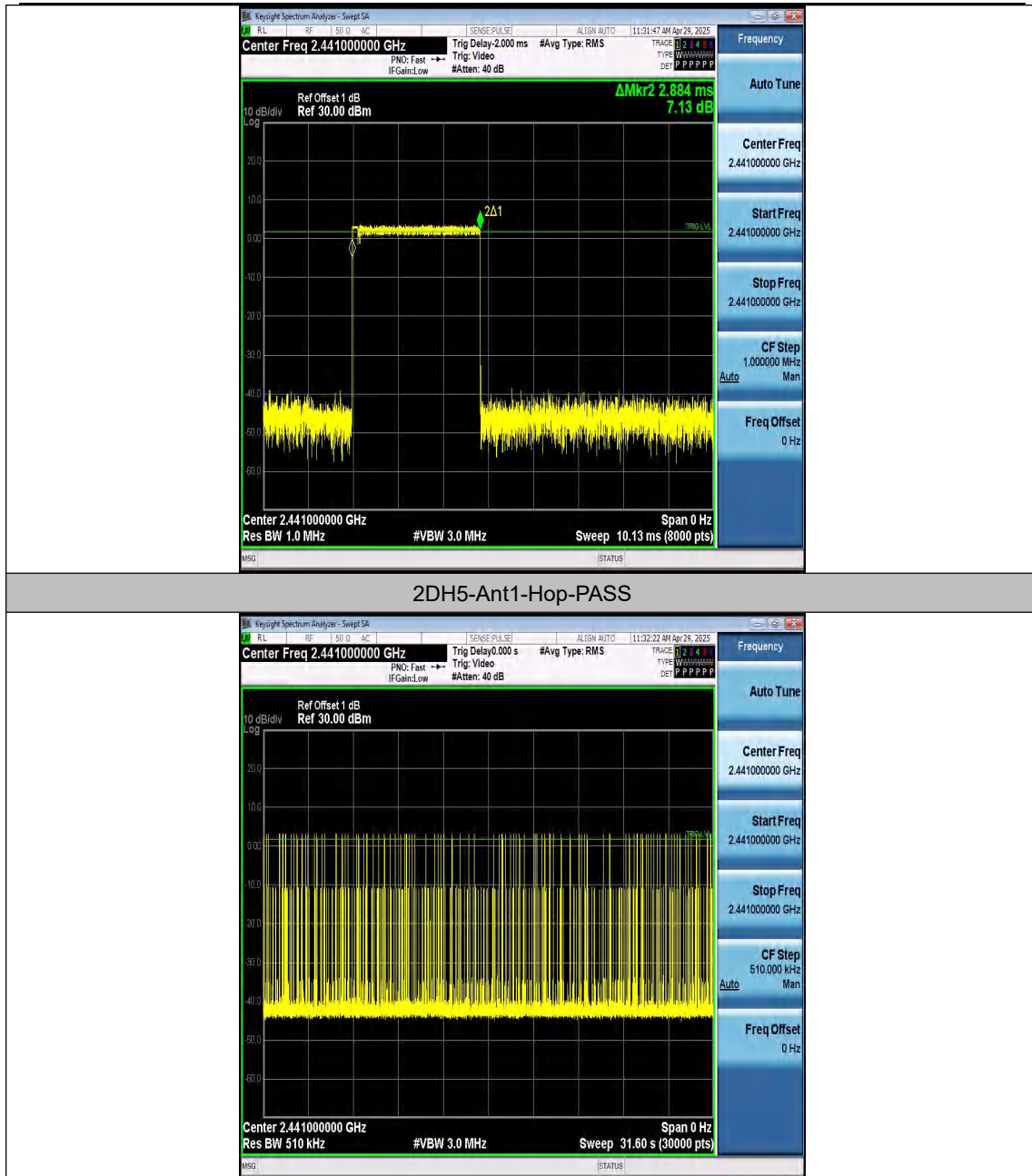
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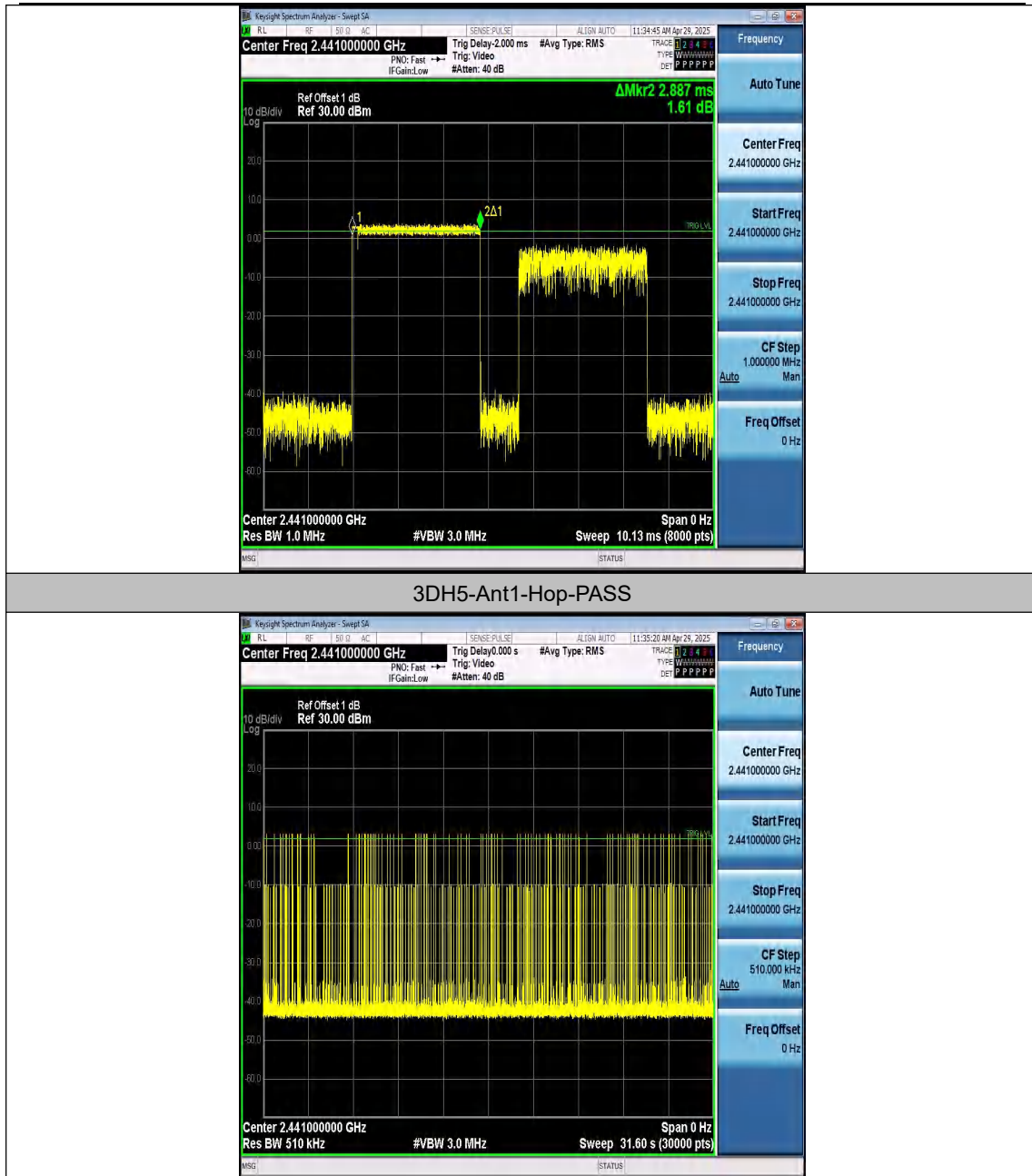
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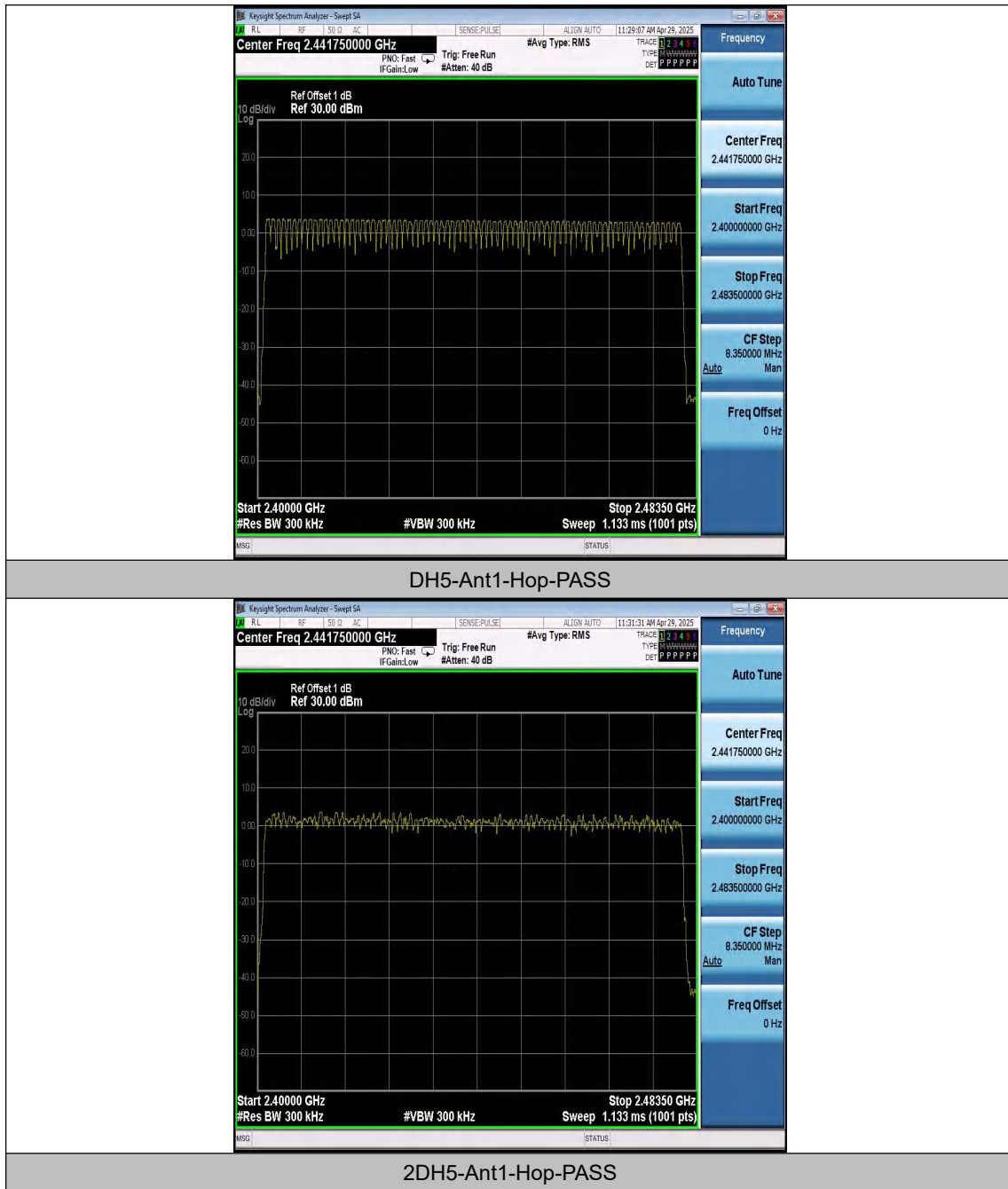
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Appendix F: Number of Hopping Channel

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

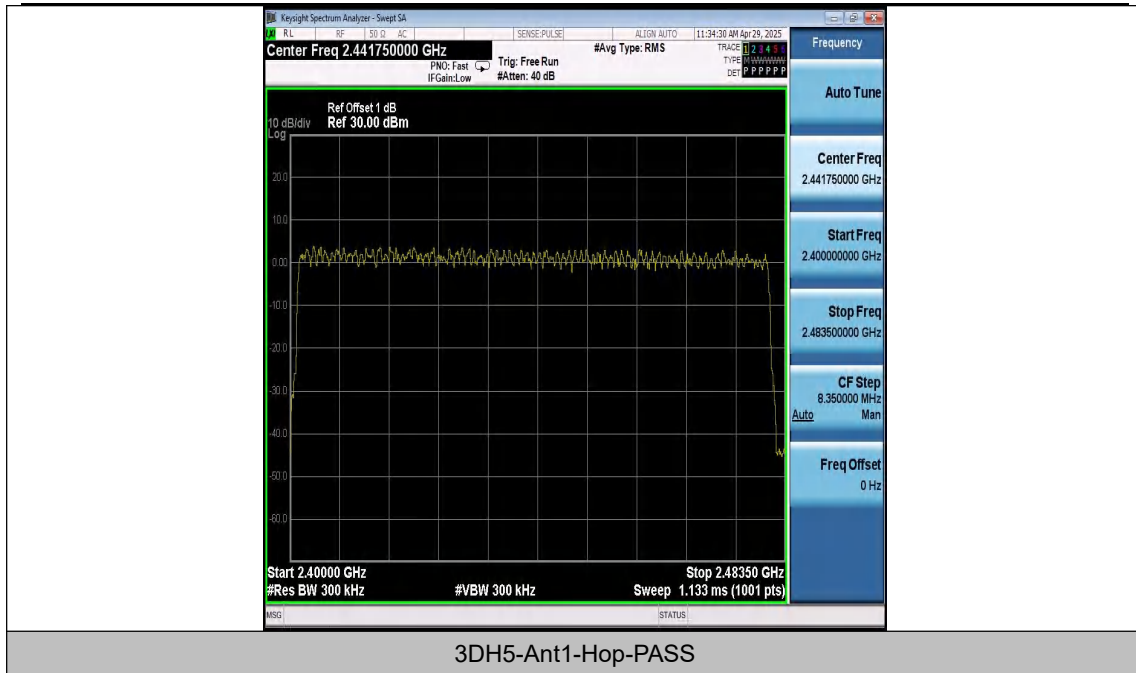
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Appendix G: Conducted Band edge

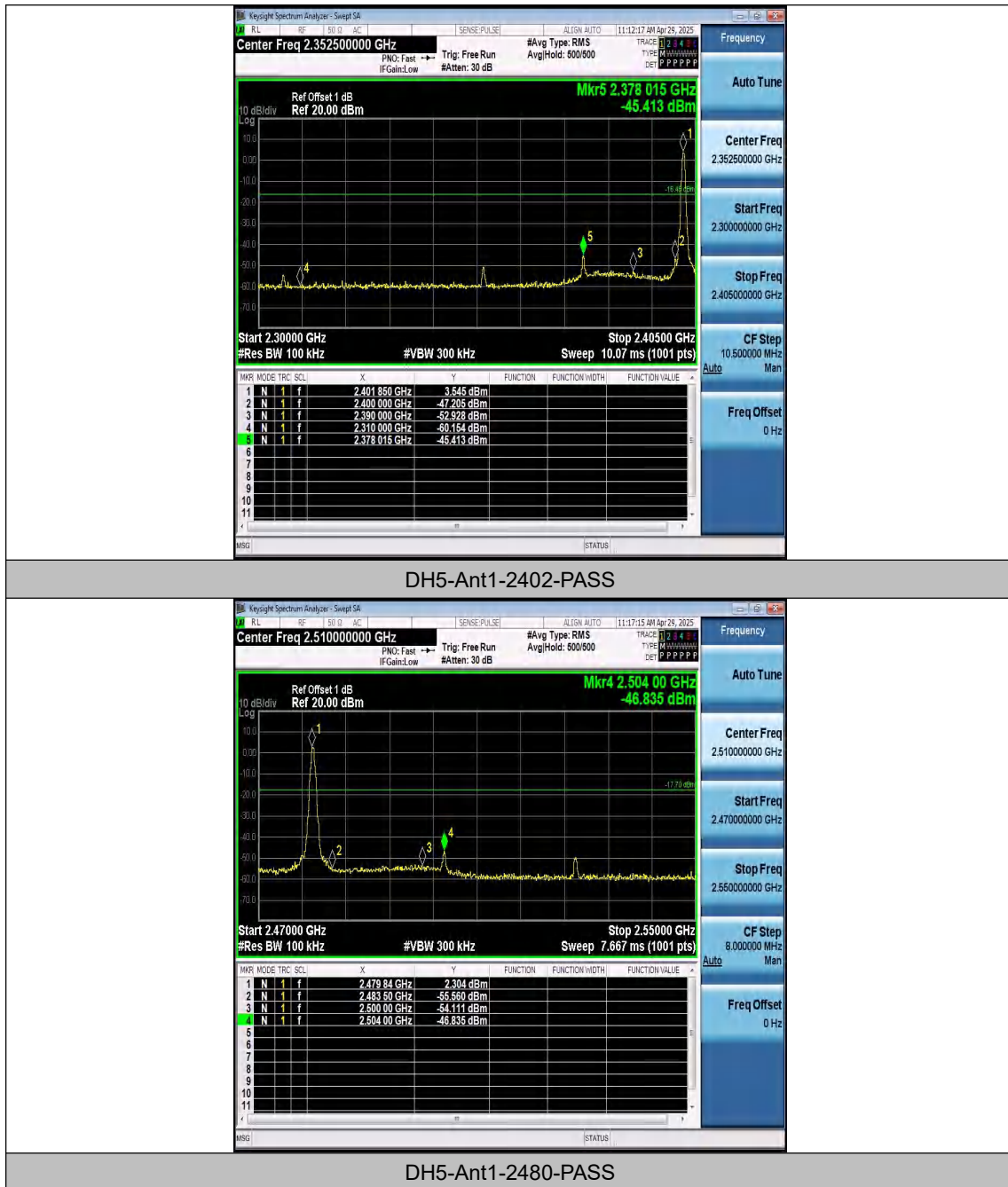
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.55	-45.41	≤-16.46	PASS
DH5	Ant1	High	2480	2.30	-46.84	≤-17.7	PASS
DH5	Ant1	Low	Hop_2402	3.11	-45.84	≤-16.89	PASS
DH5	Ant1	High	Hop_2480	2.22	-47.84	≤-17.78	PASS
2DH5	Ant1	Low	2402	3.51	-47.21	≤-16.49	PASS
2DH5	Ant1	High	2480	2.41	-48.33	≤-17.59	PASS
2DH5	Ant1	Low	Hop_2402	-1.35	-47.53	≤-21.35	PASS
2DH5	Ant1	High	Hop_2480	0.90	-49.21	≤-19.1	PASS
3DH5	Ant1	Low	2402	3.44	-47.08	≤-16.56	PASS
3DH5	Ant1	High	2480	2.30	-47.14	≤-17.7	PASS
3DH5	Ant1	Low	Hop_2402	1.83	-47.78	≤-18.18	PASS
3DH5	Ant1	High	Hop_2480	2.26	-50.12	≤-17.74	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.



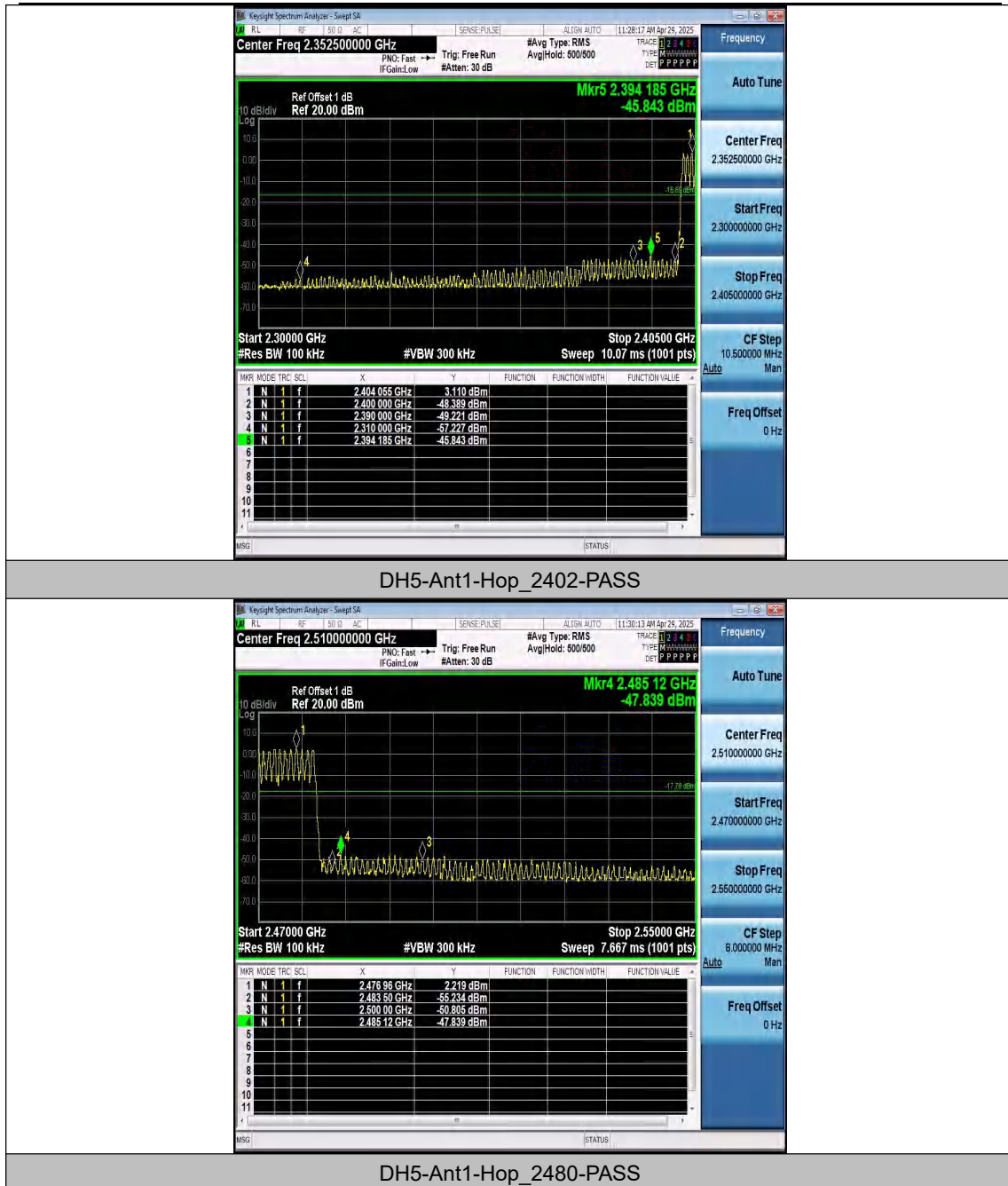
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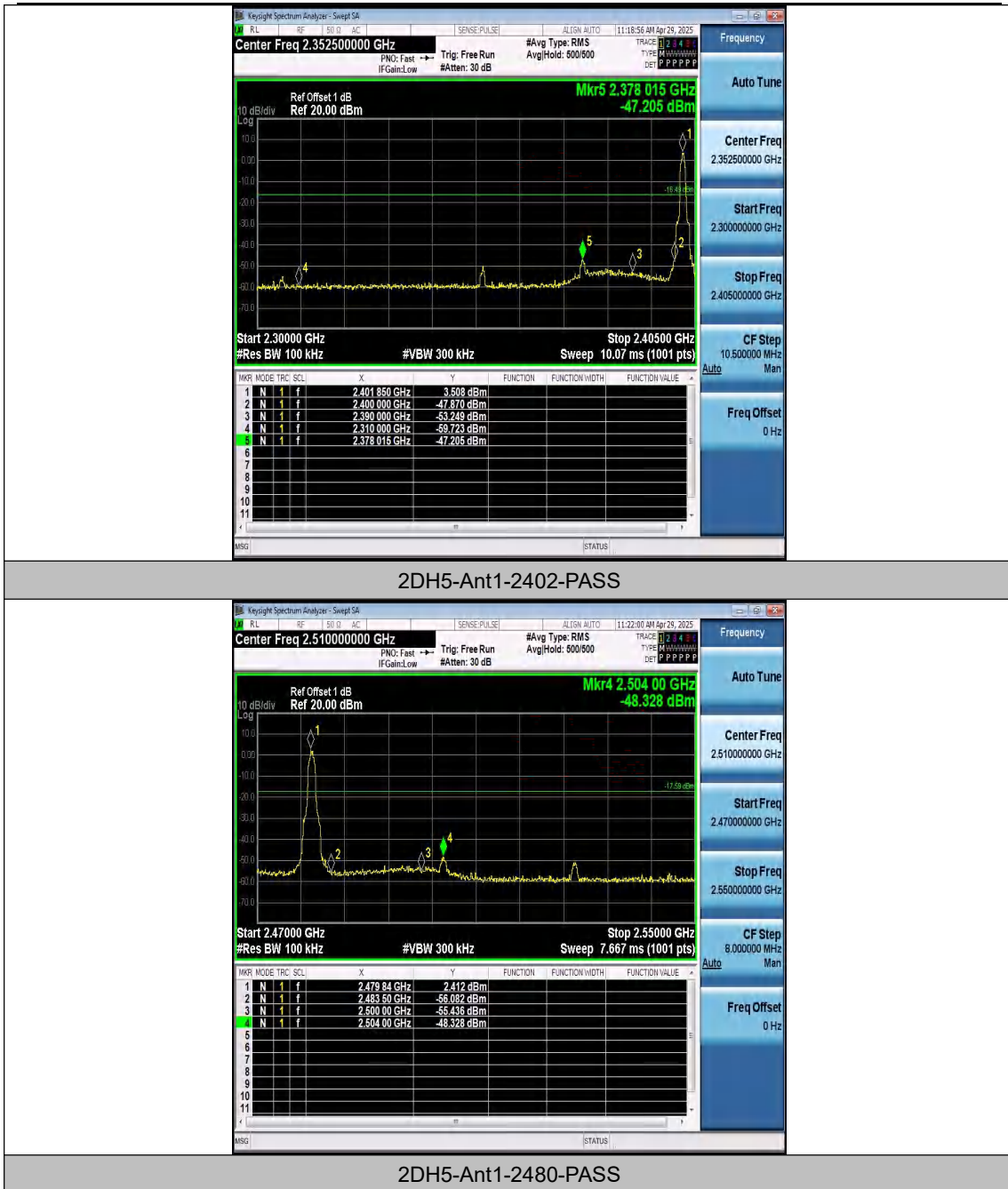


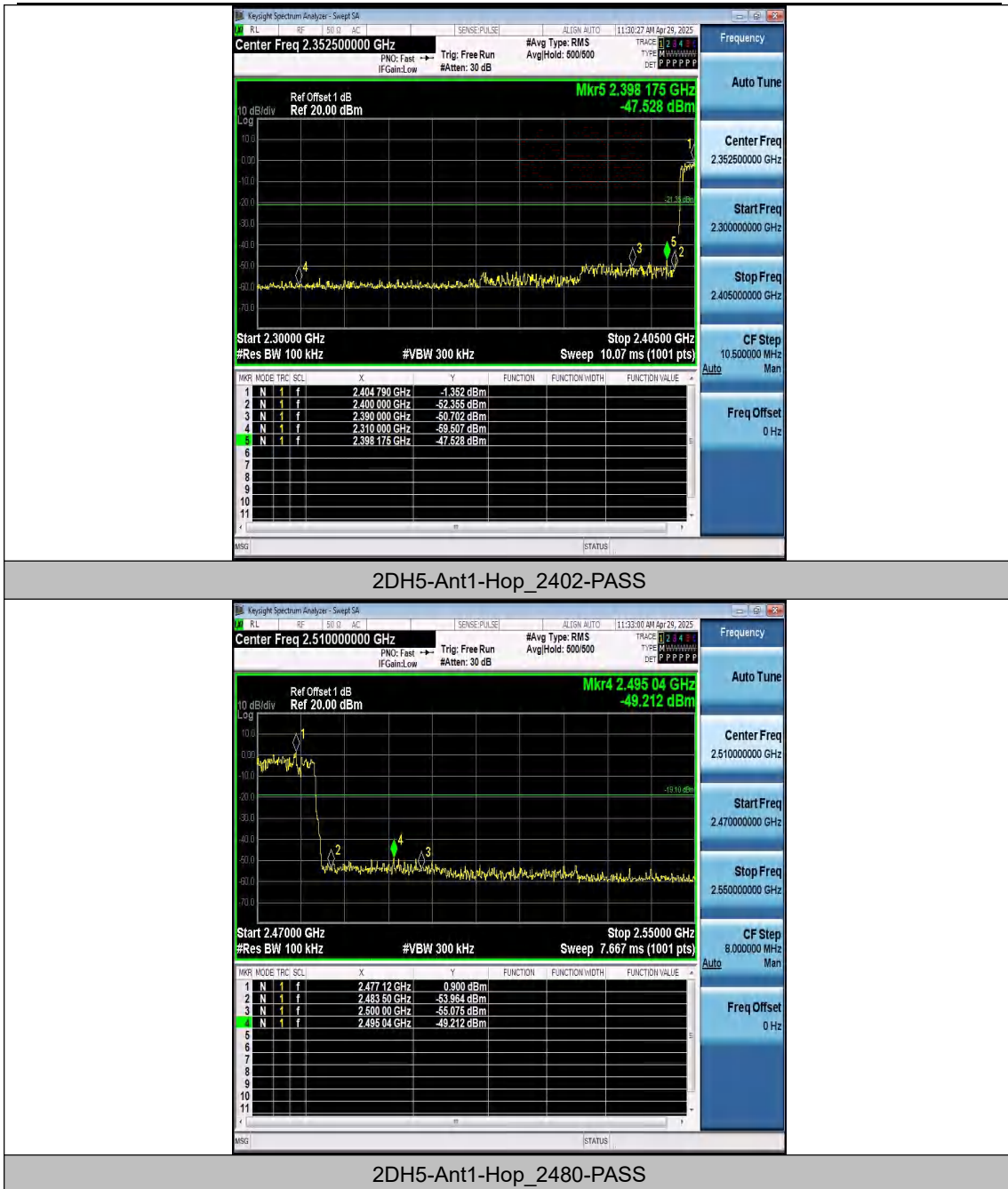
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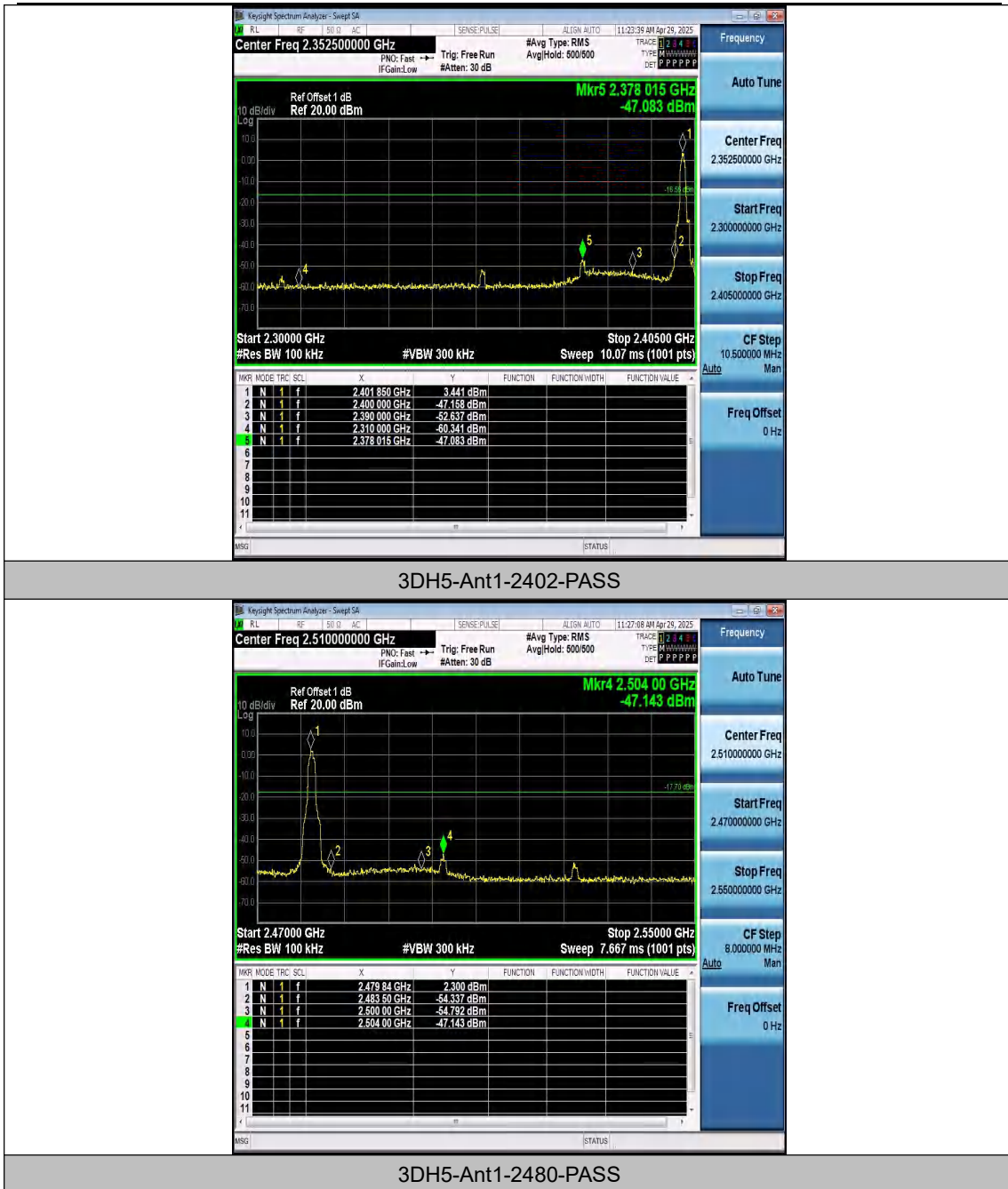




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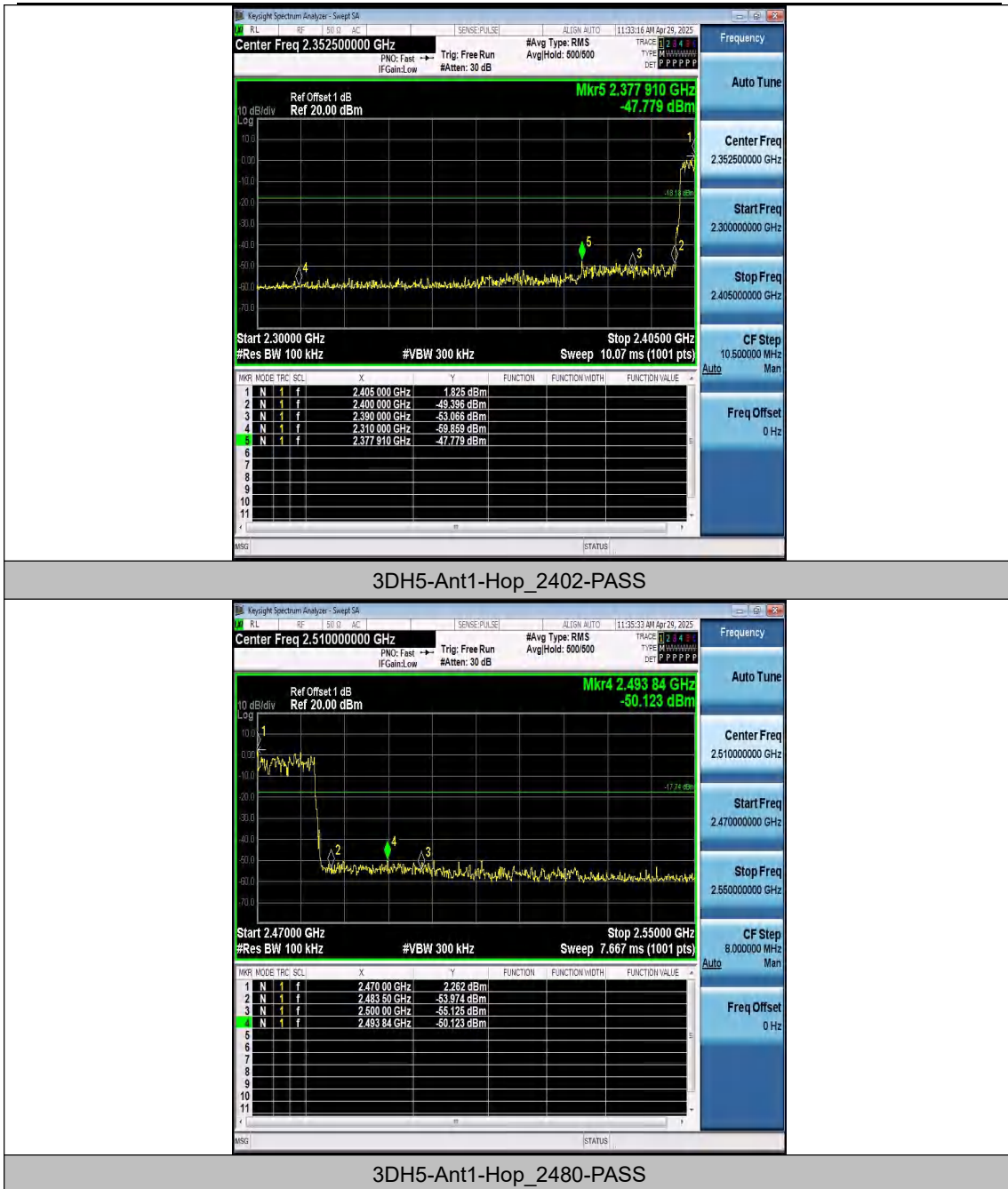
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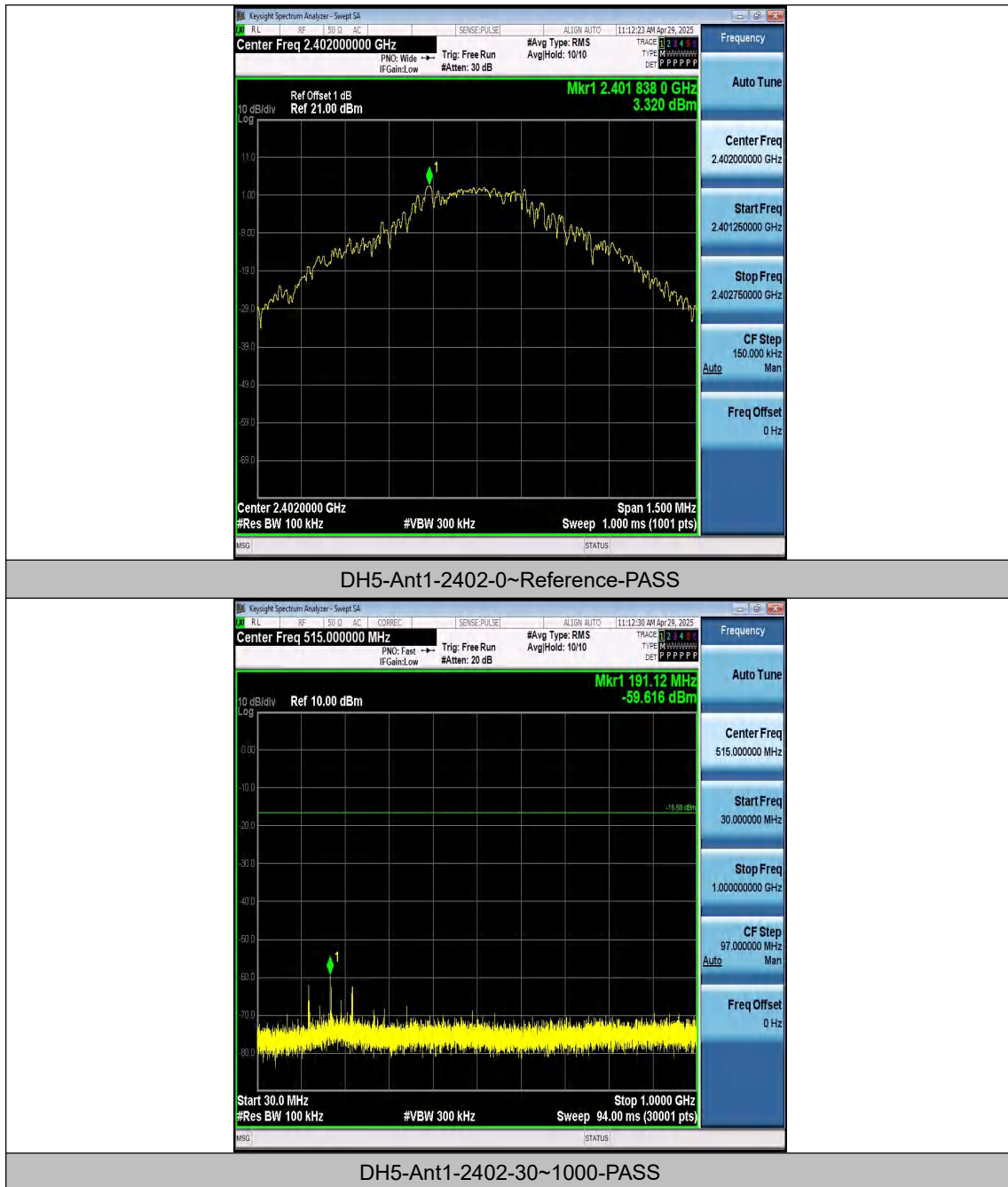
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.32	3.32	---	PASS
DH5	Ant1	2402	30~1000	3.32	-59.62	≤-16.68	PASS
DH5	Ant1	2402	1000~26500	3.32	-37.76	≤-16.68	PASS
DH5	Ant1	2441	0~Reference	2.43	2.43	---	PASS
DH5	Ant1	2441	30~1000	2.43	-62.06	≤-17.57	PASS
DH5	Ant1	2441	1000~26500	2.43	-37.13	≤-17.57	PASS
DH5	Ant1	2480	0~Reference	1.97	1.97	---	PASS
DH5	Ant1	2480	30~1000	1.97	-62.51	≤-18.03	PASS
DH5	Ant1	2480	1000~26500	1.97	-38.03	≤-18.03	PASS
2DH5	Ant1	2402	0~Reference	2.55	2.55	---	PASS
2DH5	Ant1	2402	30~1000	2.55	-59.88	≤-17.45	PASS
2DH5	Ant1	2402	1000~26500	2.55	-41.85	≤-17.45	PASS
2DH5	Ant1	2441	0~Reference	1.64	1.64	---	PASS
2DH5	Ant1	2441	30~1000	1.64	-62.27	≤-18.36	PASS
2DH5	Ant1	2441	1000~26500	1.64	-40.6	≤-18.36	PASS
2DH5	Ant1	2480	0~Reference	-1.02	-1.02	---	PASS
2DH5	Ant1	2480	30~1000	-1.02	-64.55	≤-21.02	PASS
2DH5	Ant1	2480	1000~26500	-1.02	-37.86	≤-21.02	PASS
3DH5	Ant1	2402	0~Reference	0.22	0.22	---	PASS
3DH5	Ant1	2402	30~1000	0.22	-60.14	≤-19.78	PASS
3DH5	Ant1	2402	1000~26500	0.22	-41.62	≤-19.78	PASS
3DH5	Ant1	2441	0~Reference	-0.72	-0.72	---	PASS
3DH5	Ant1	2441	30~1000	-0.72	-60.59	≤-20.72	PASS
3DH5	Ant1	2441	1000~26500	-0.72	-40.46	≤-20.72	PASS
3DH5	Ant1	2480	0~Reference	1.79	1.79	---	PASS
3DH5	Ant1	2480	30~1000	1.79	-59.5	≤-18.21	PASS
3DH5	Ant1	2480	1000~26500	1.79	-40.59	≤-18.21	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.

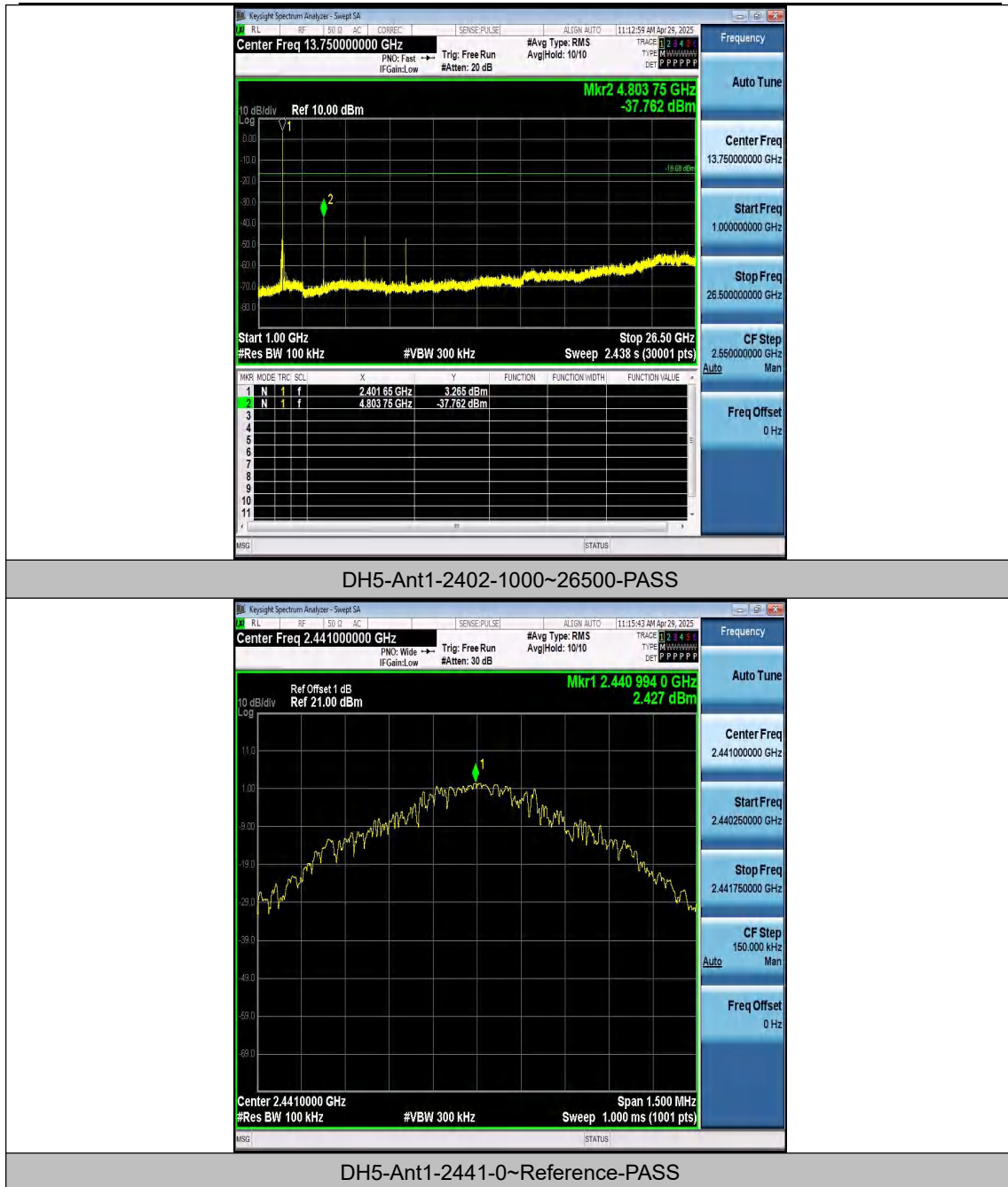
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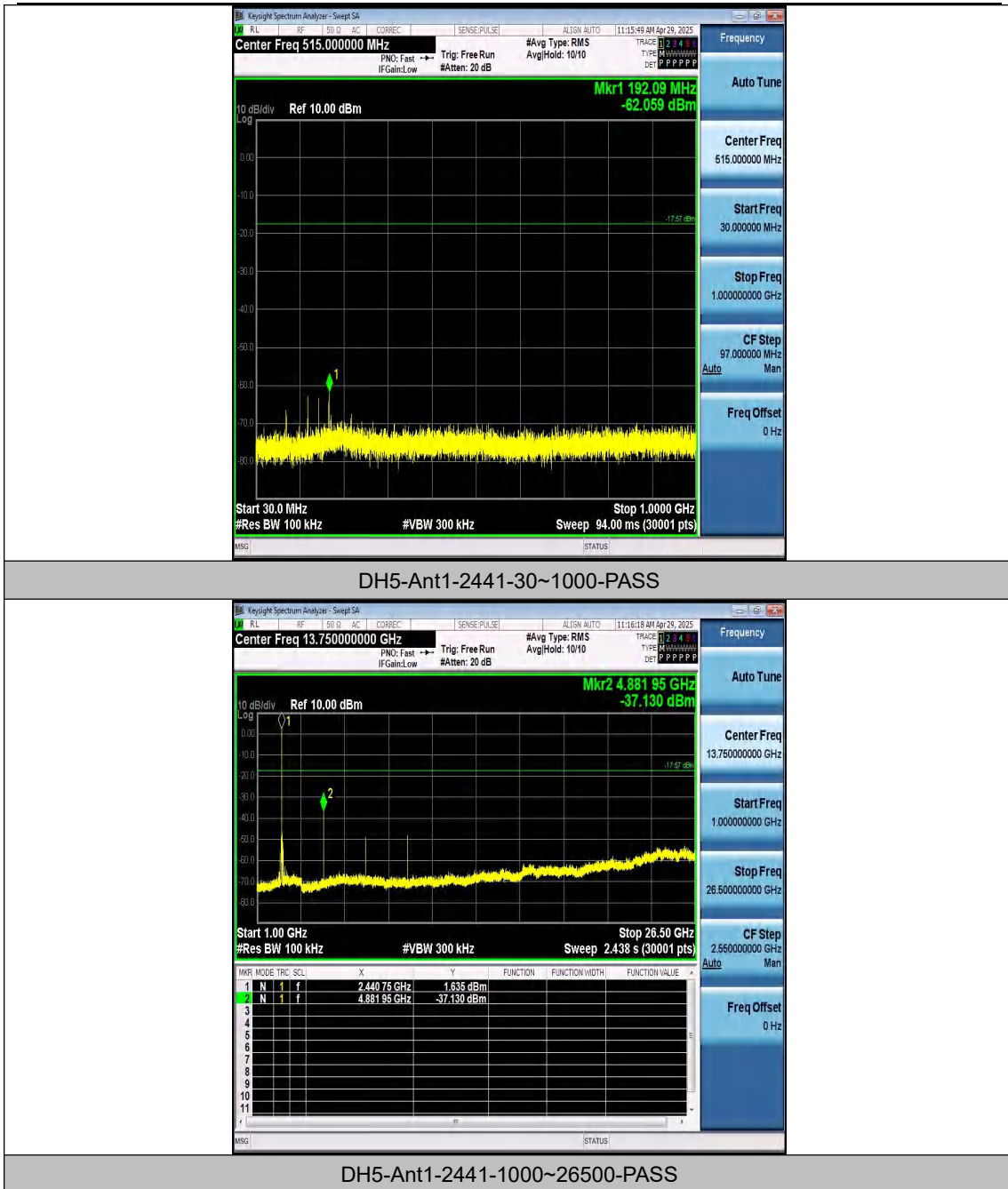
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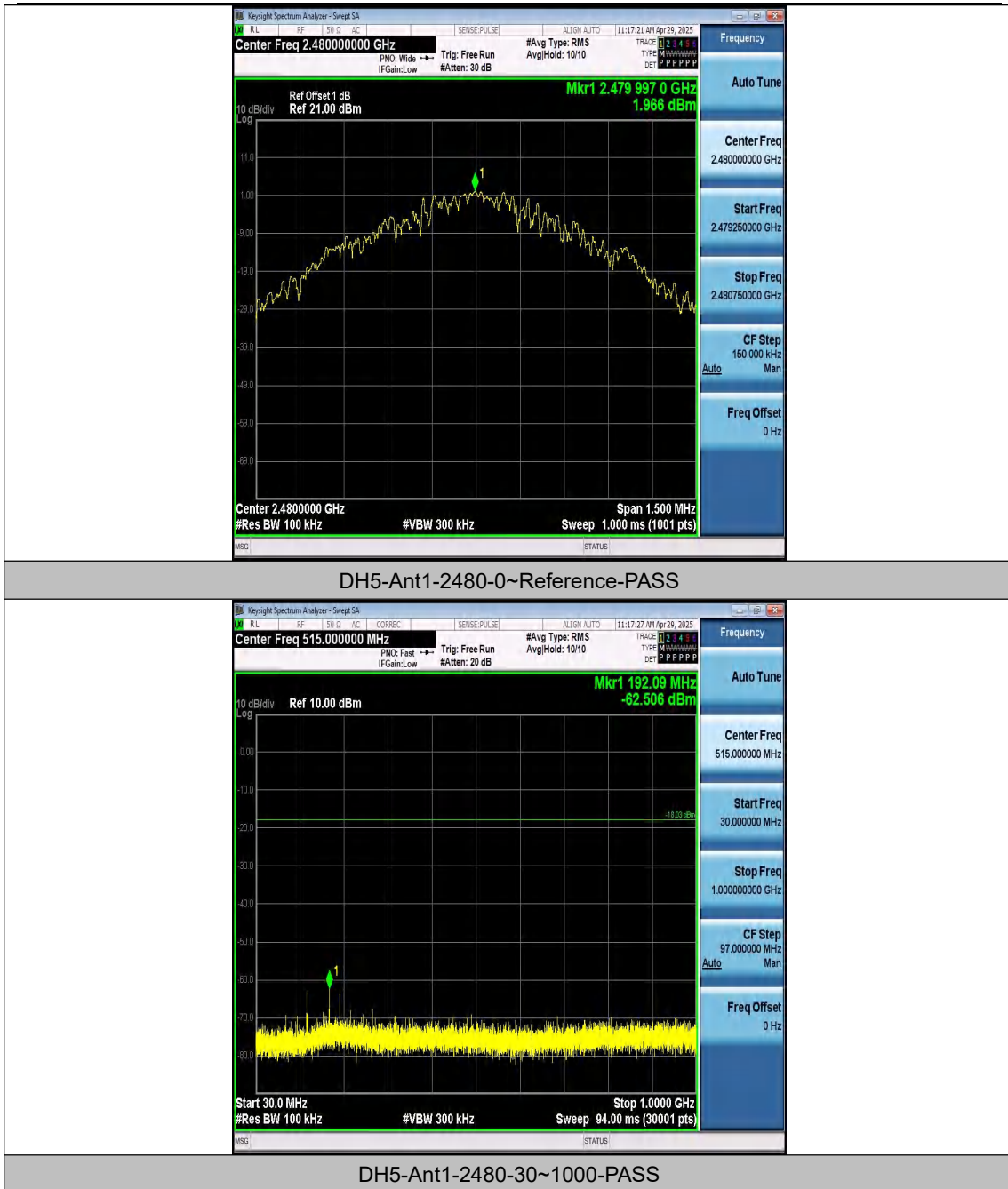


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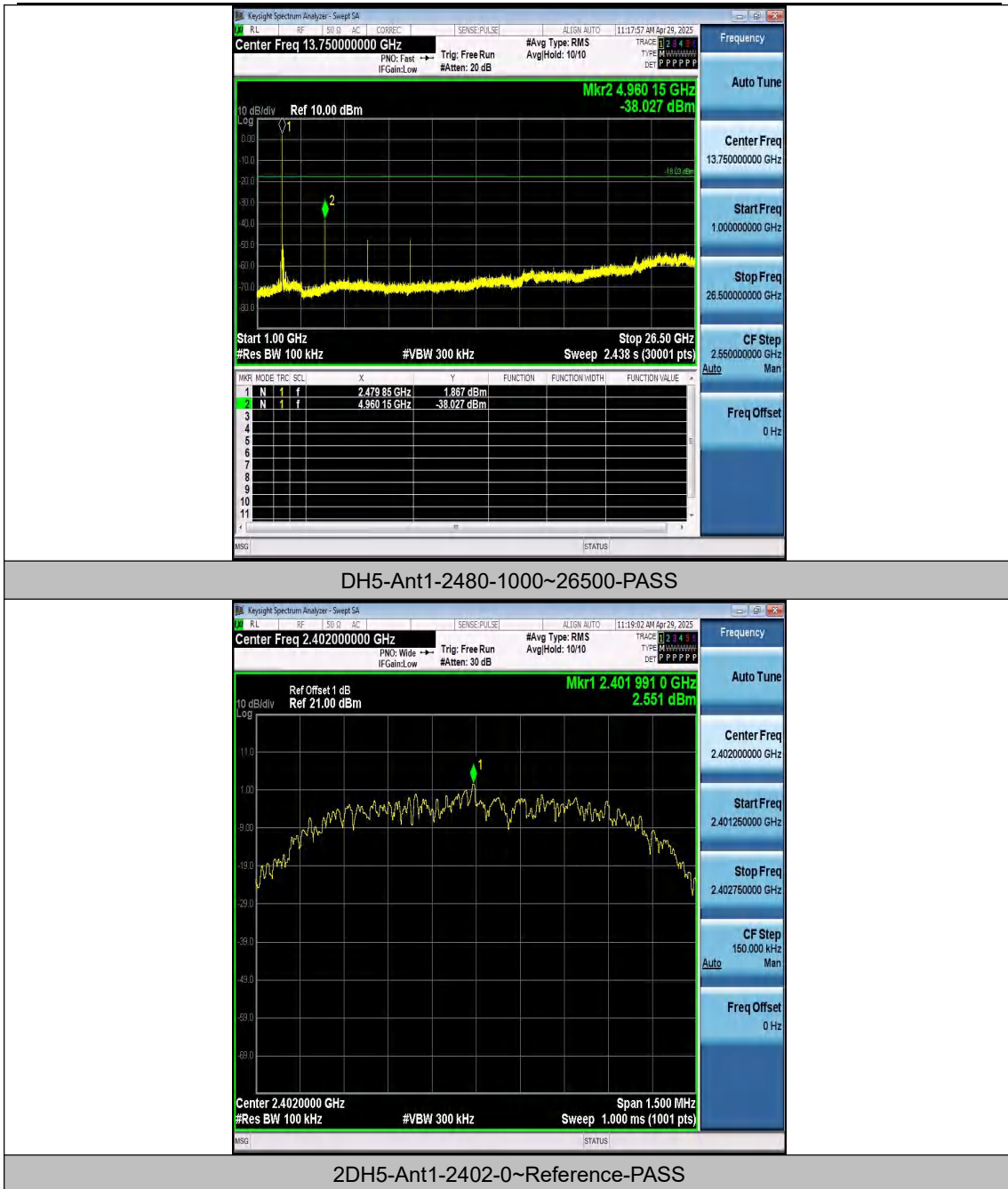




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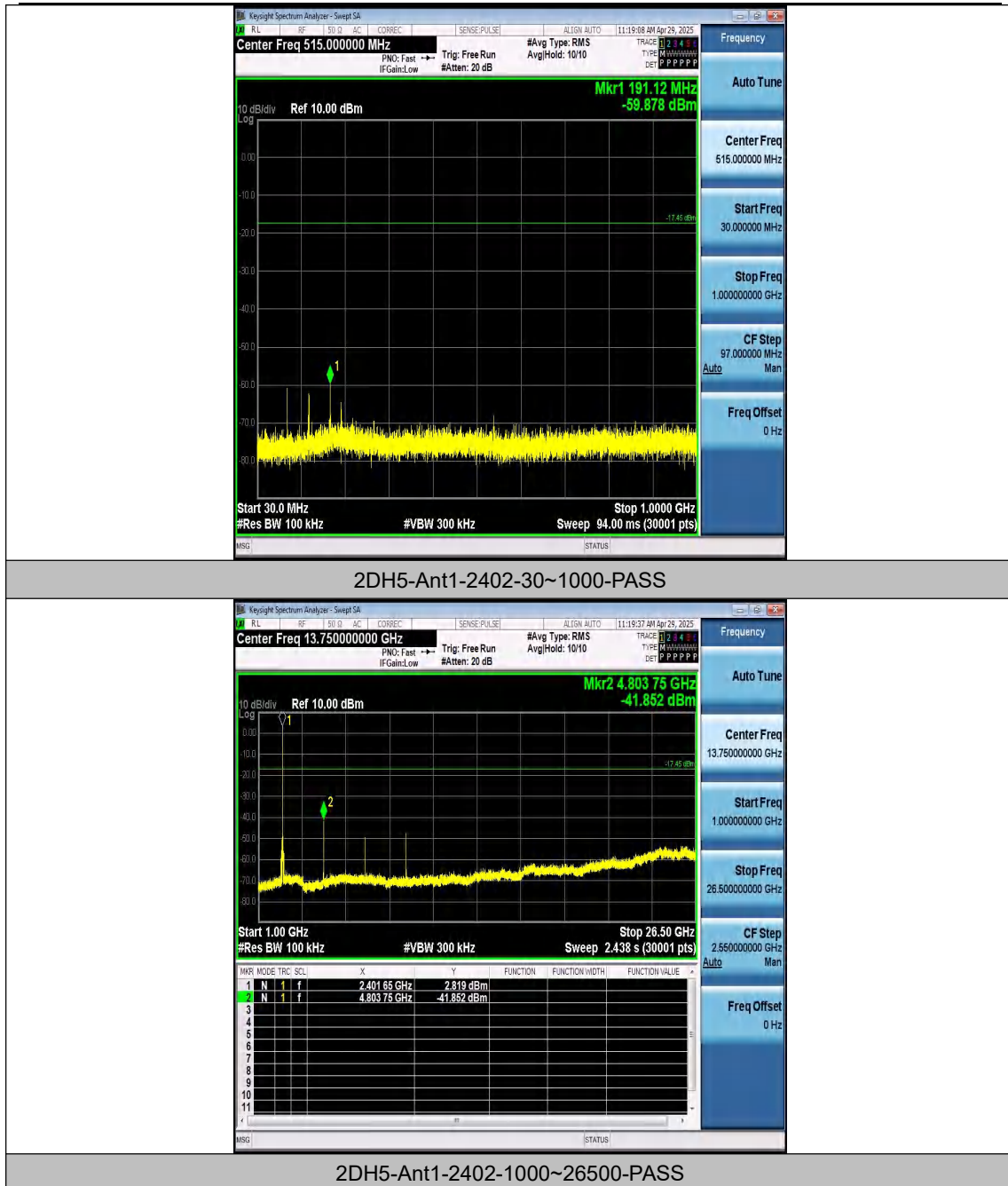
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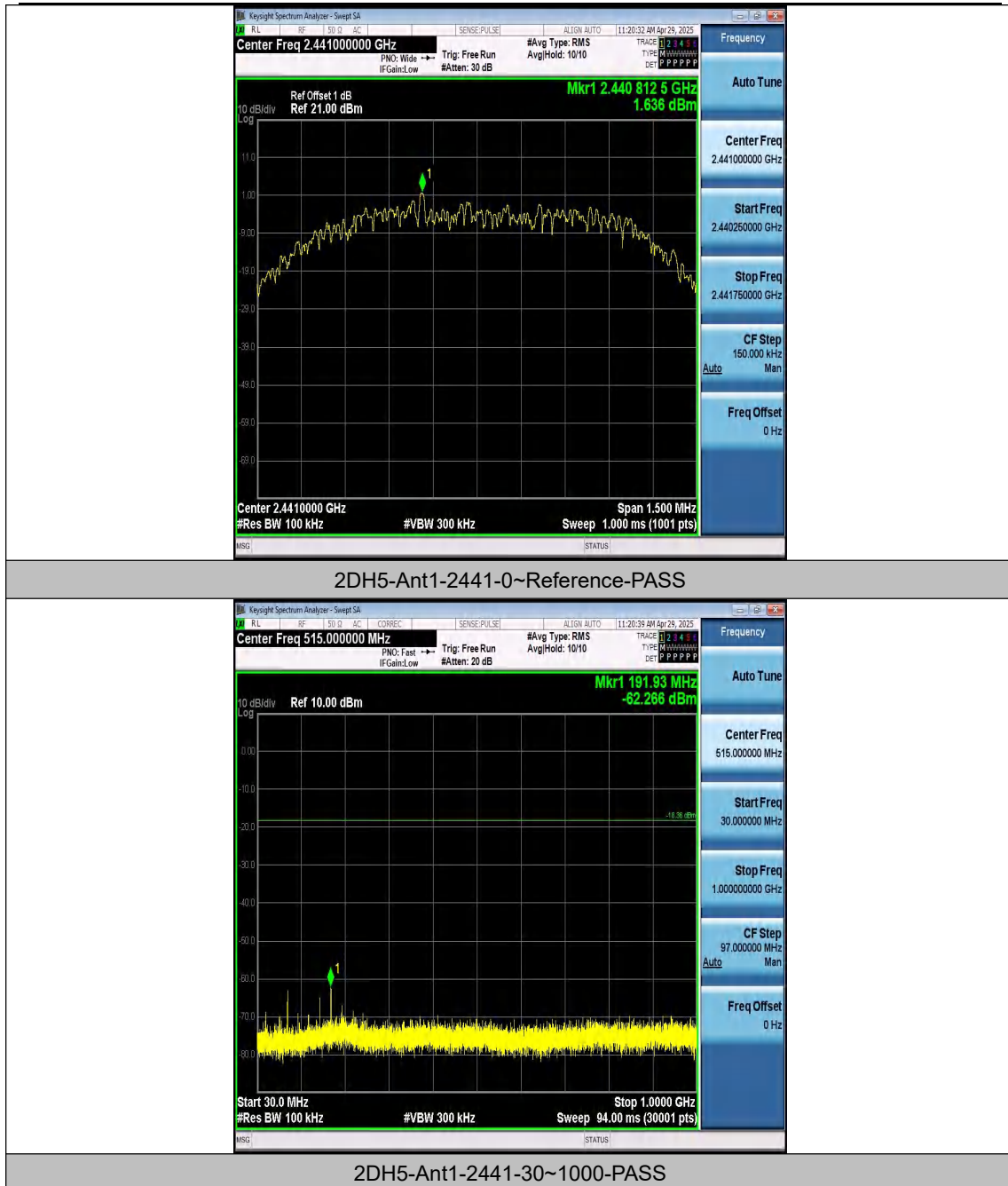
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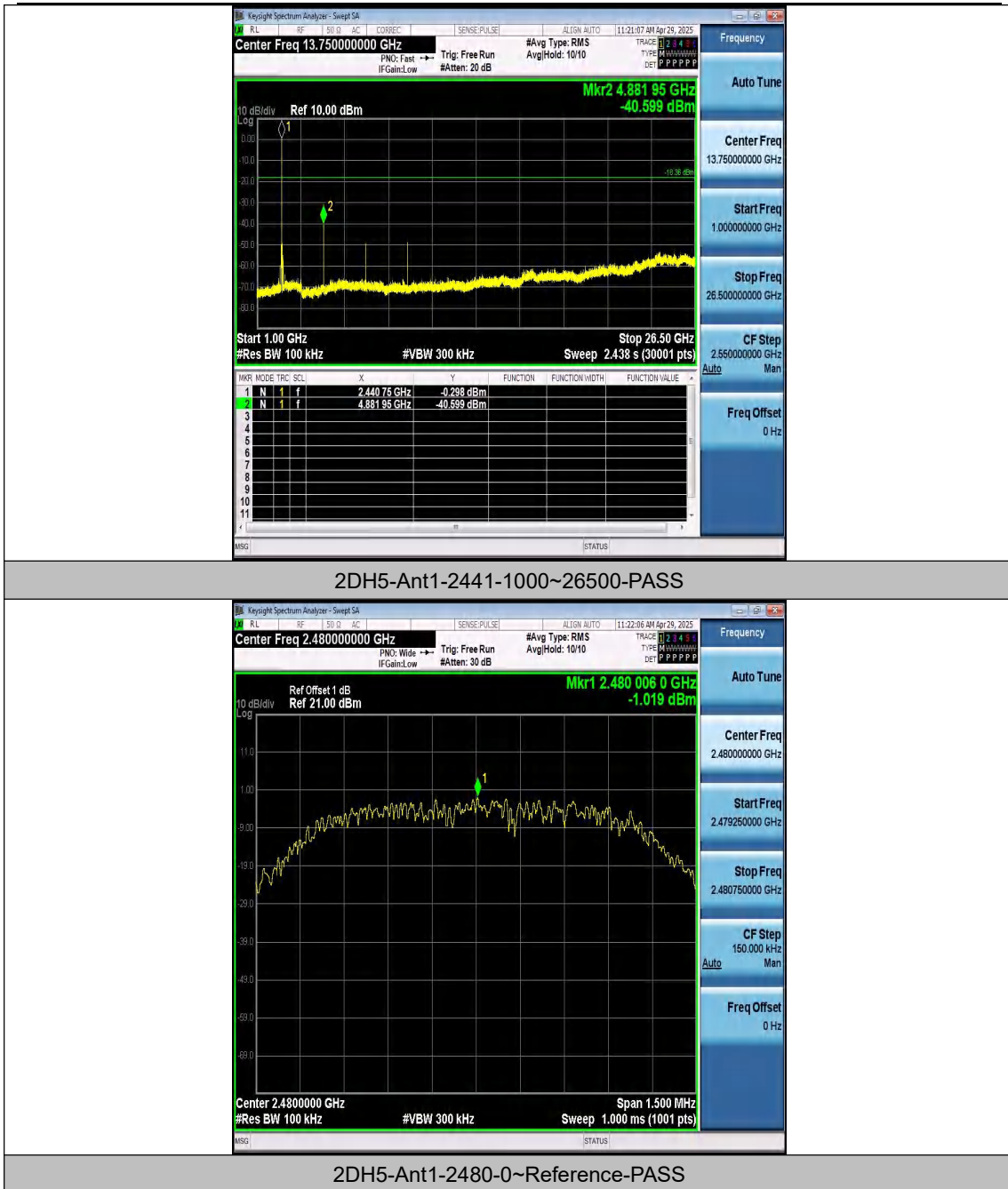
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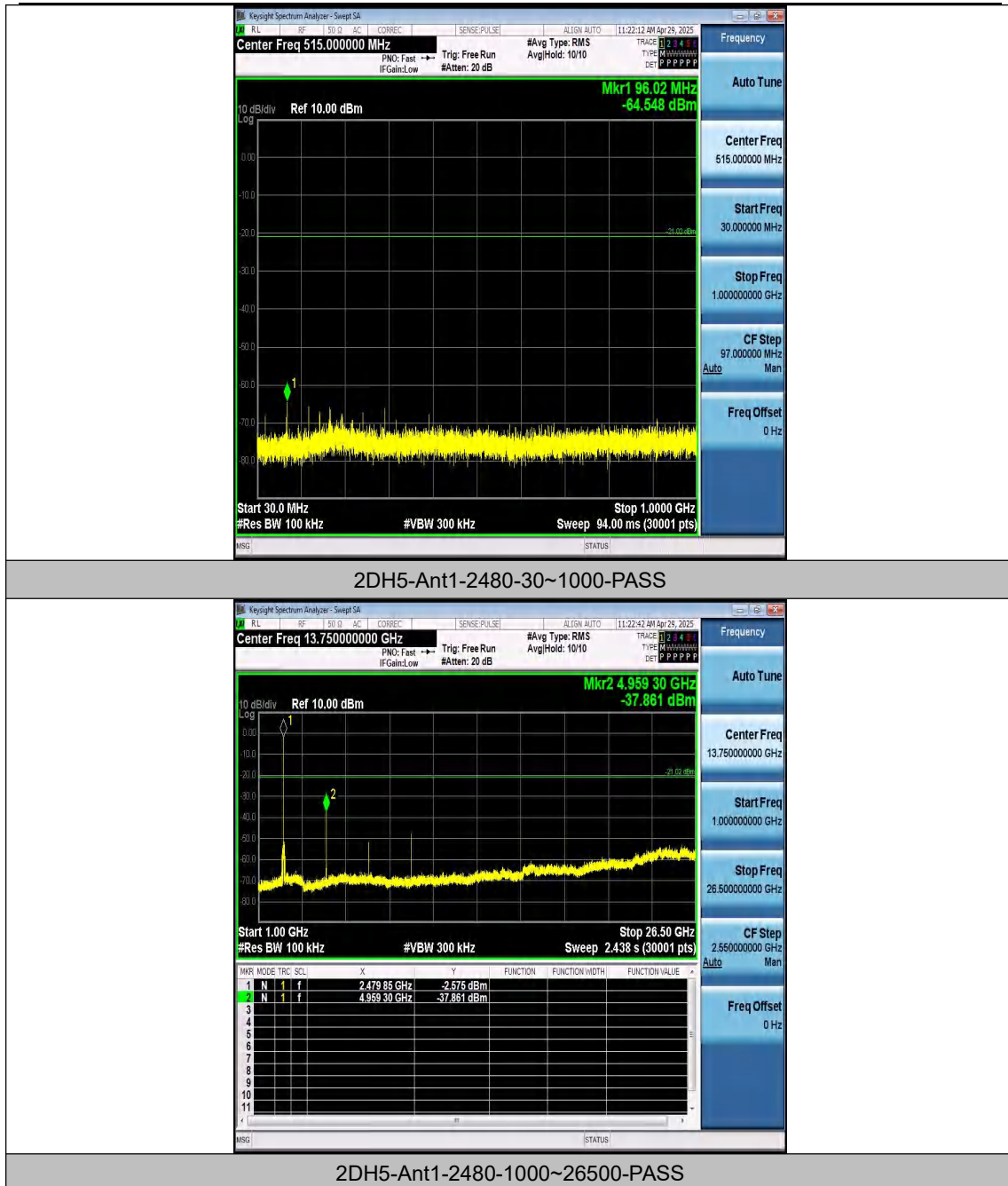


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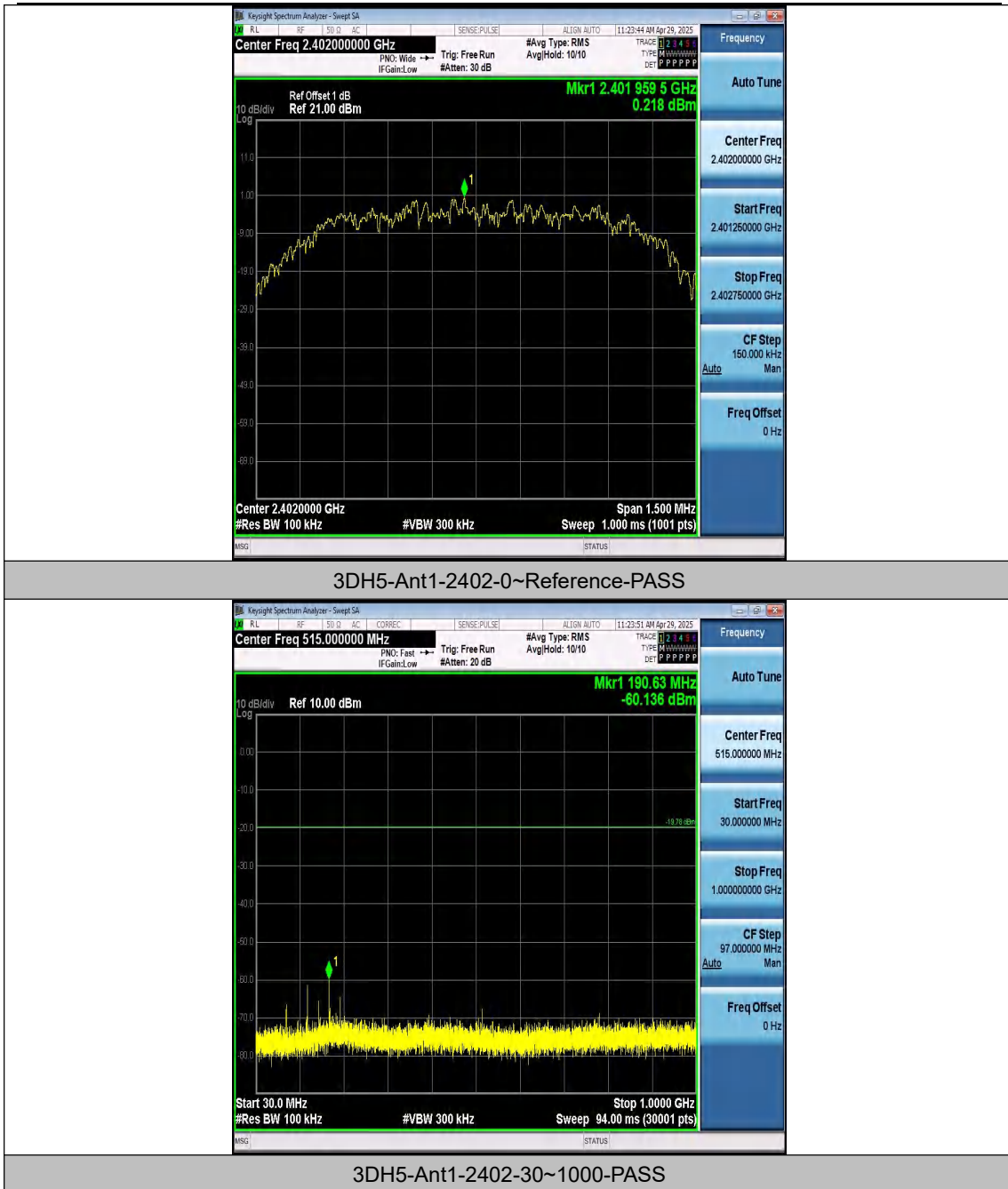
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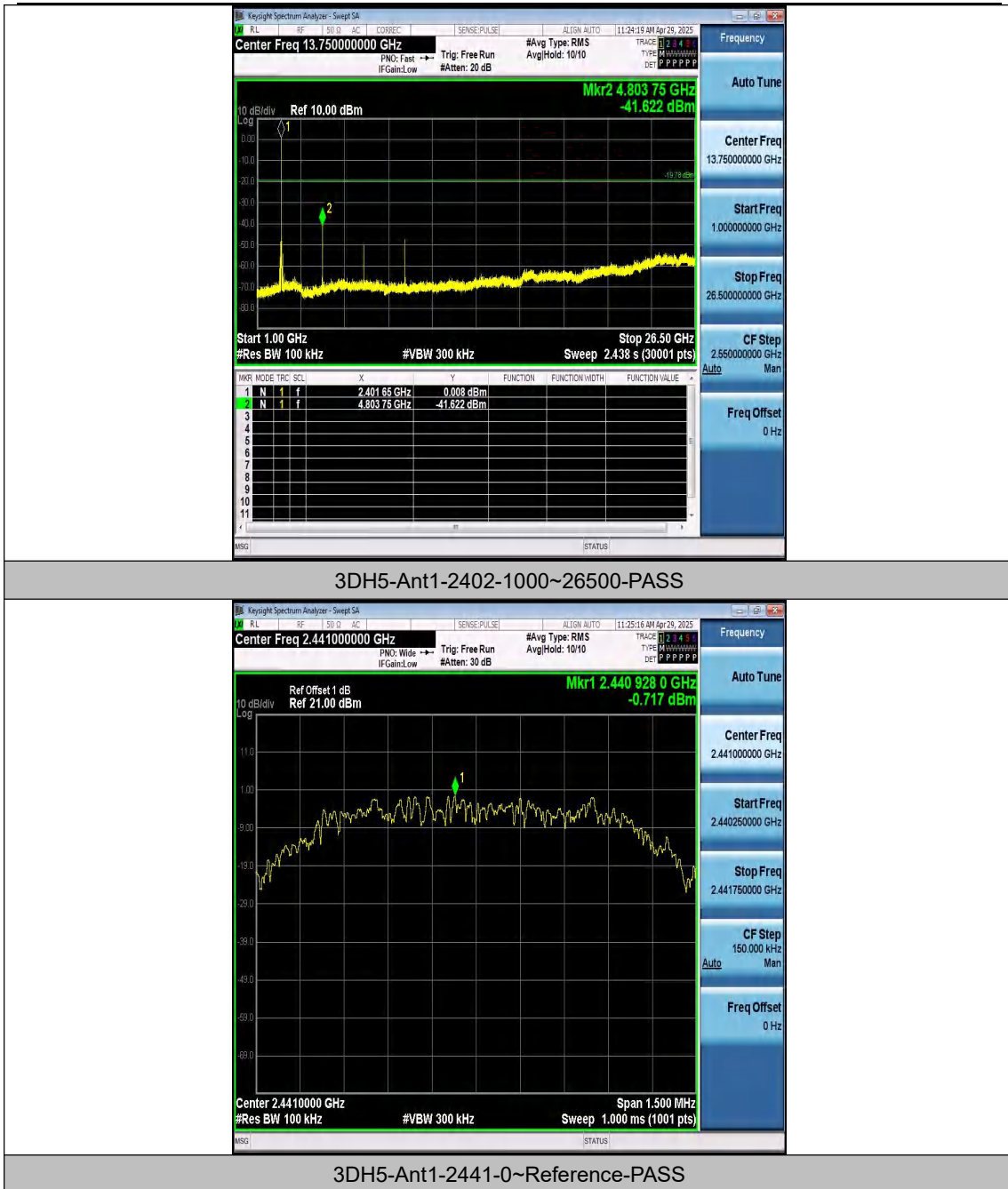
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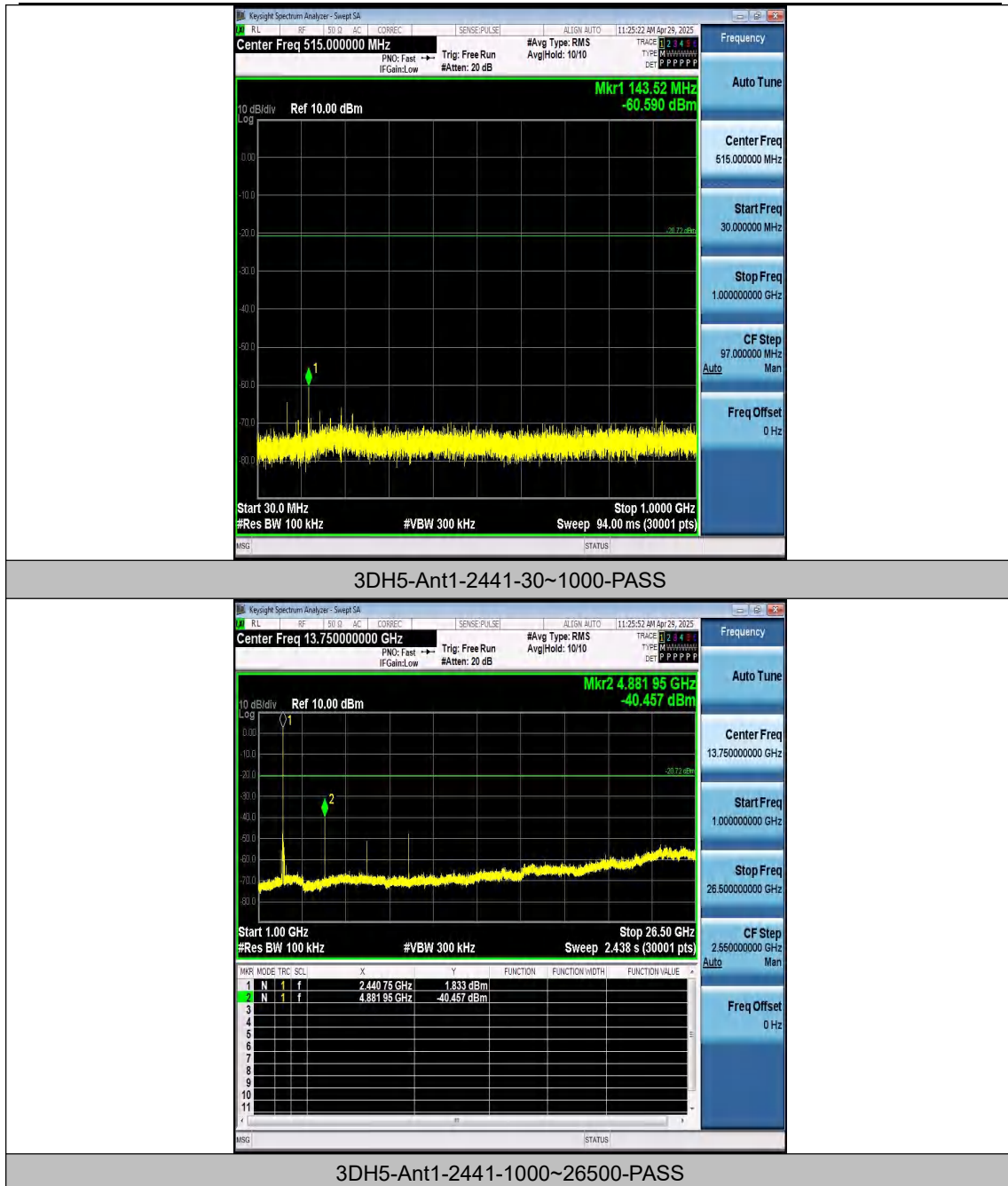


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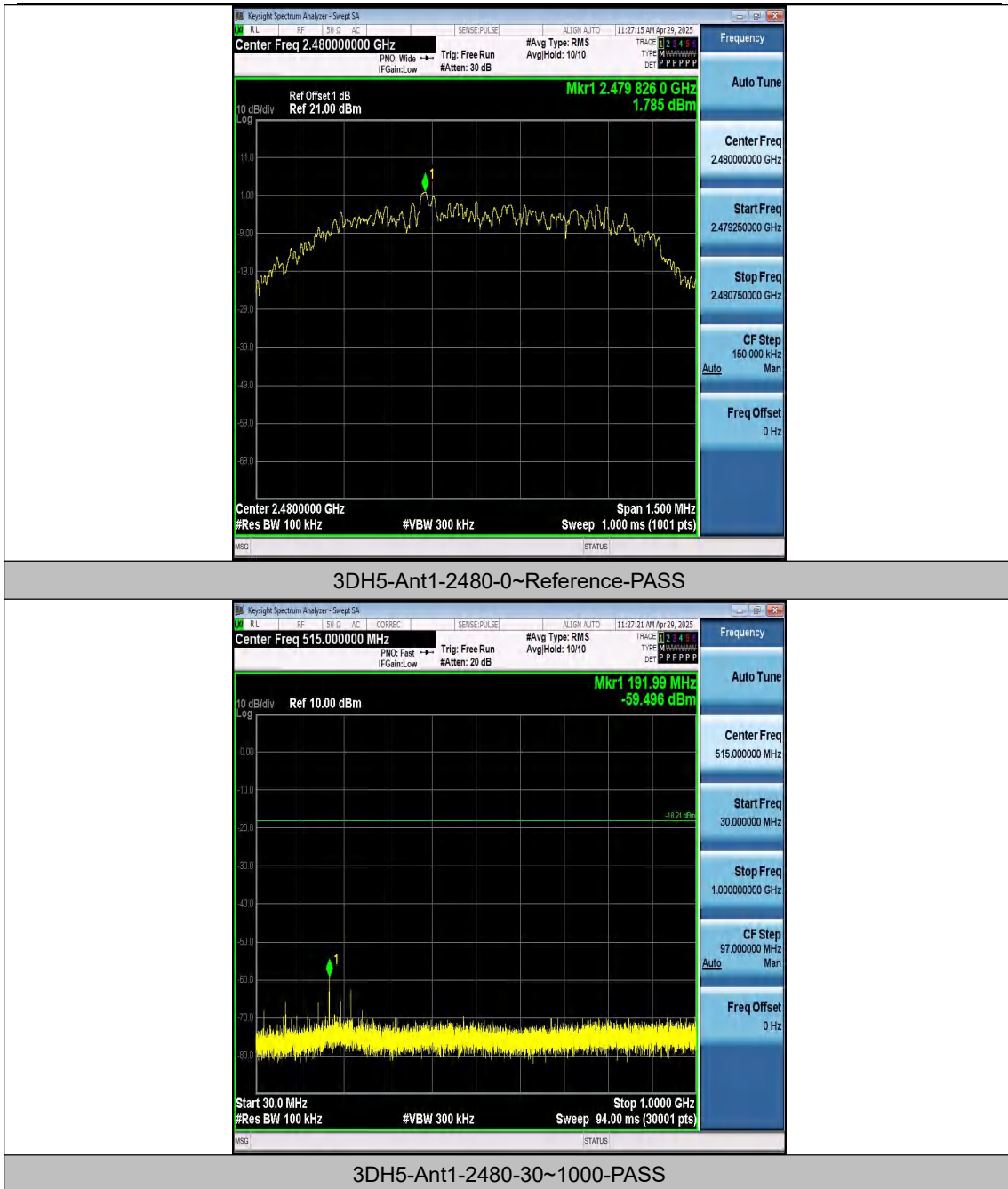
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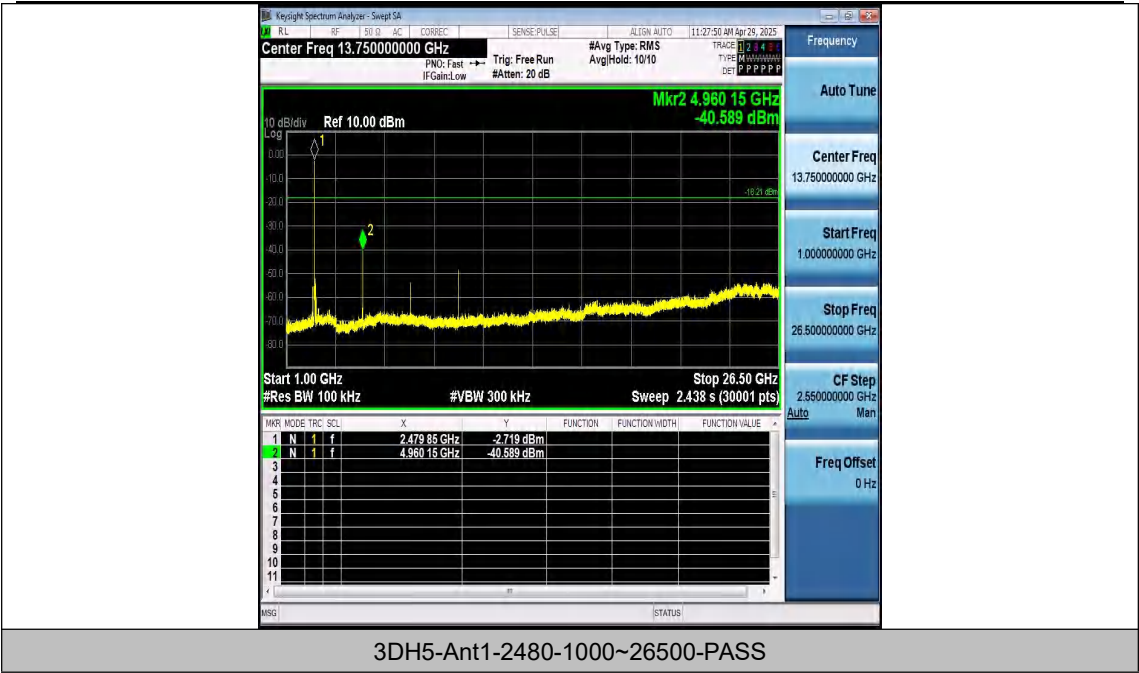


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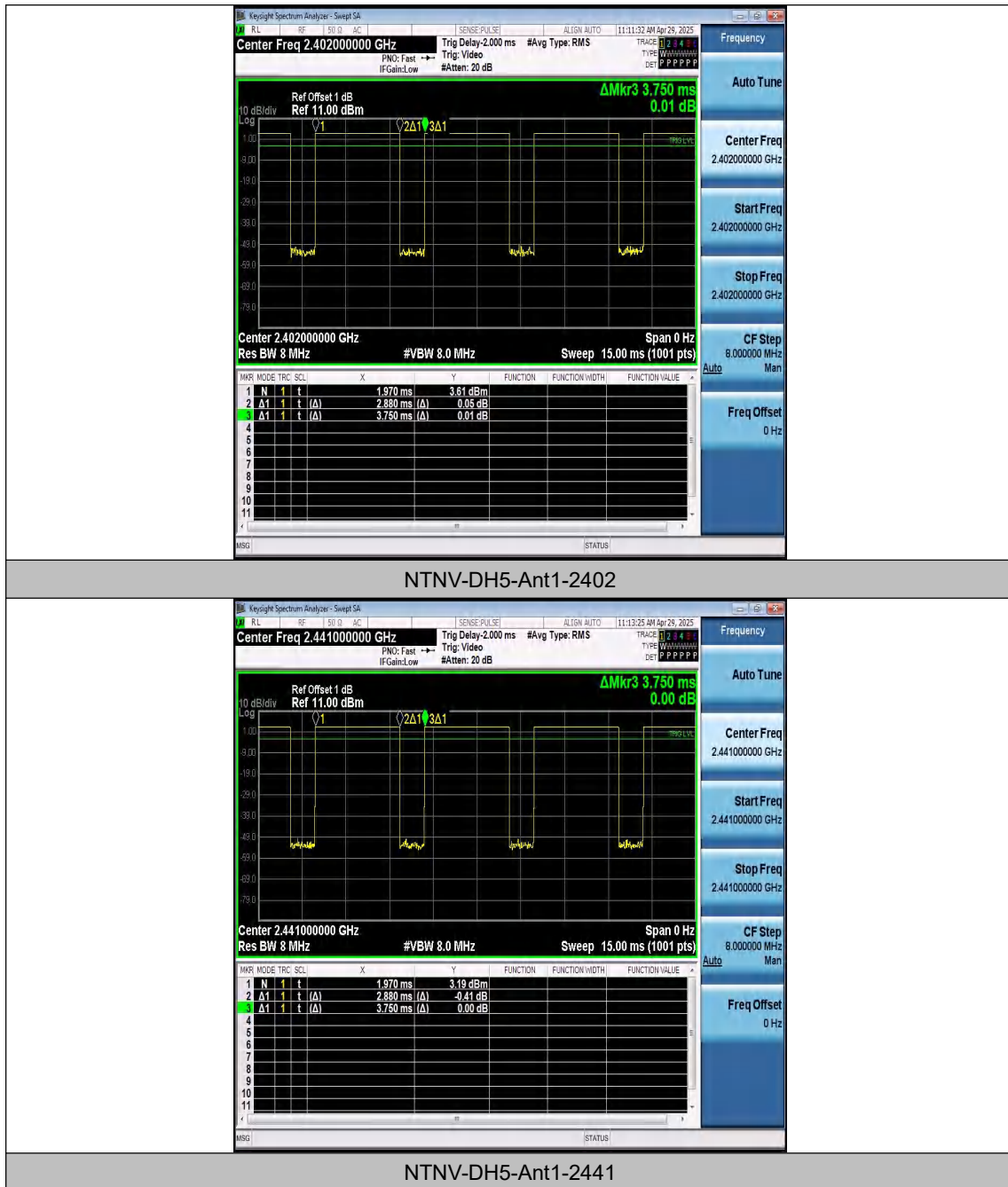
Appendix I: Duty Cycle

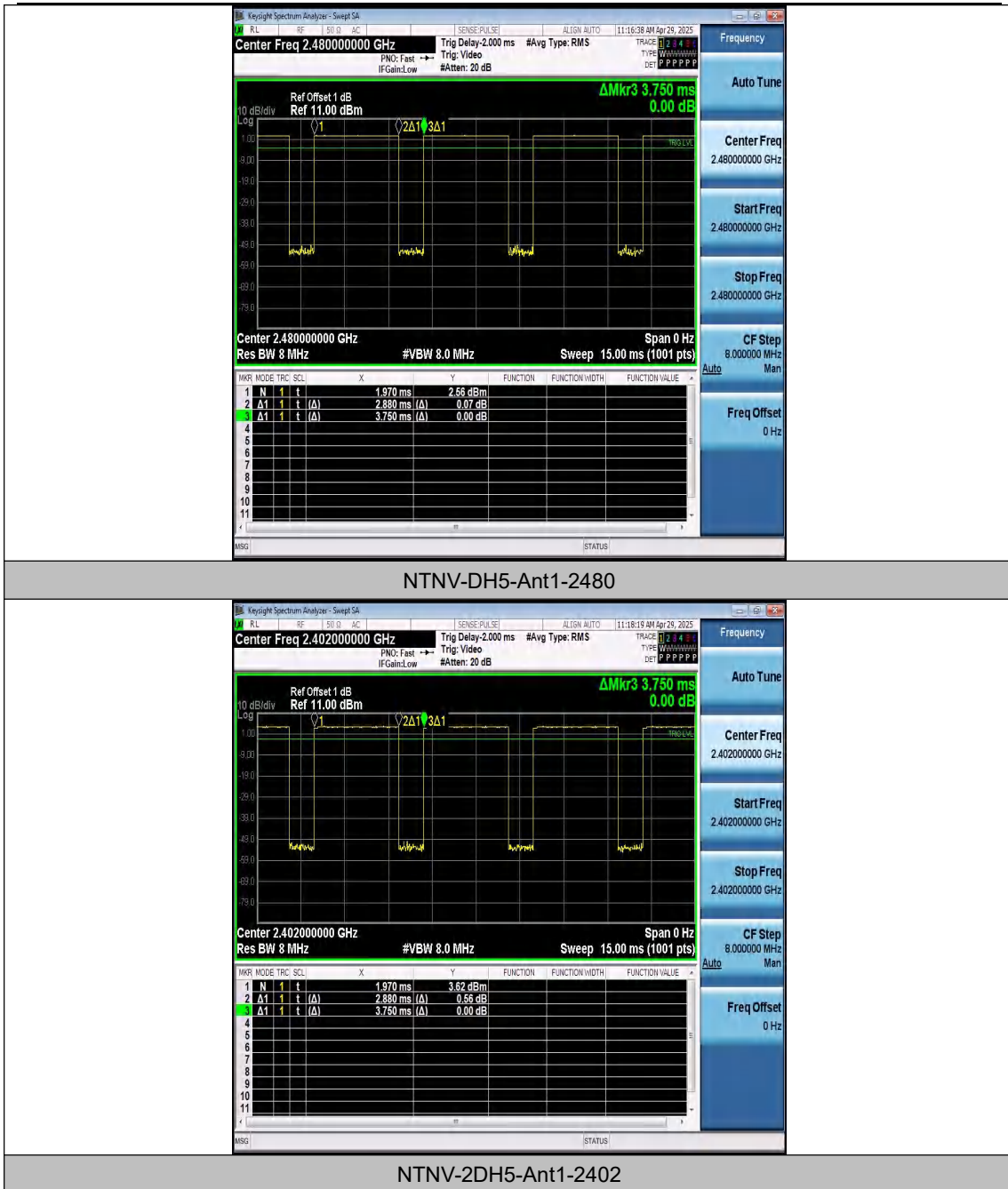
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	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	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.90	3.75	77.33	1.12



Test Graphs

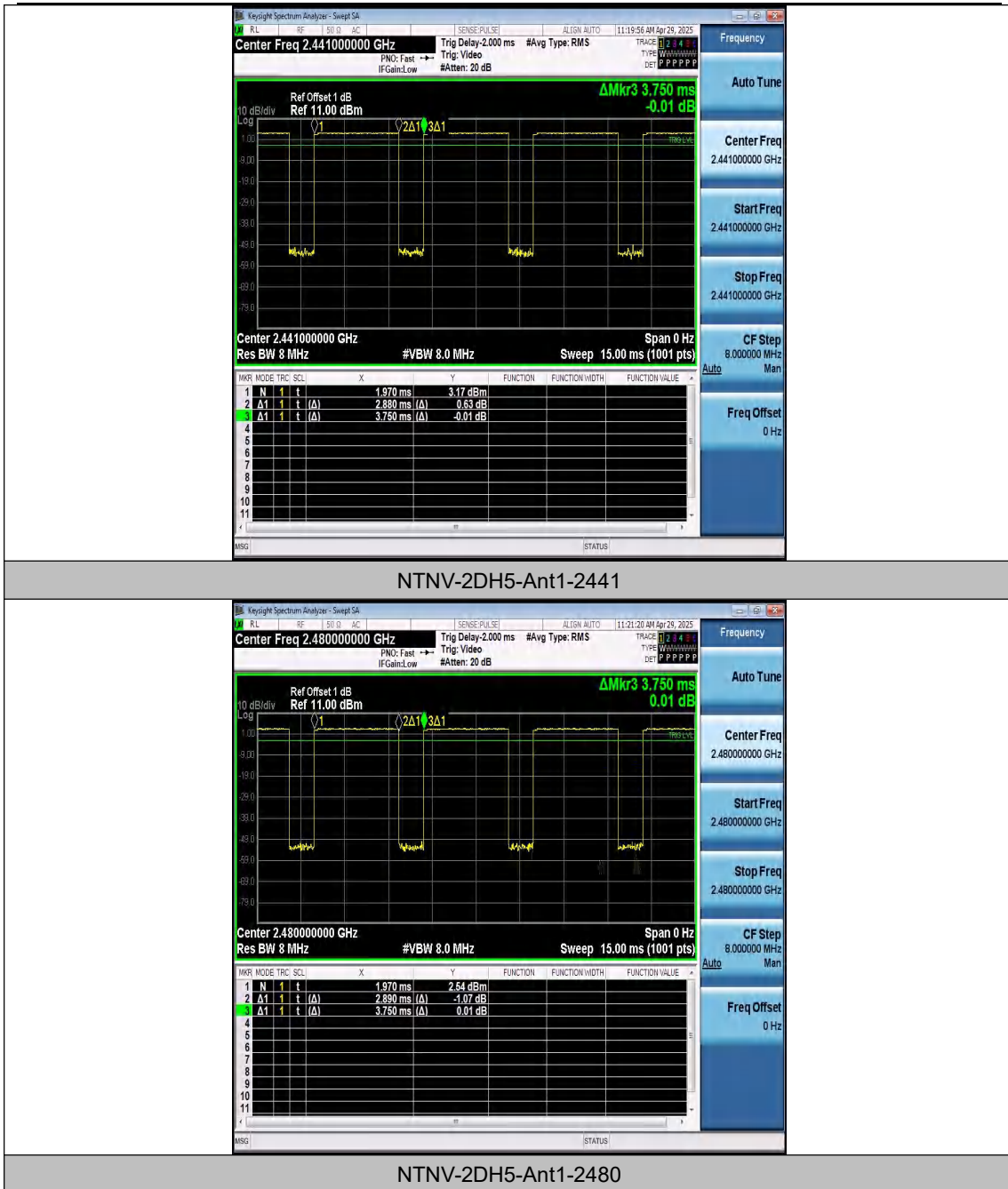




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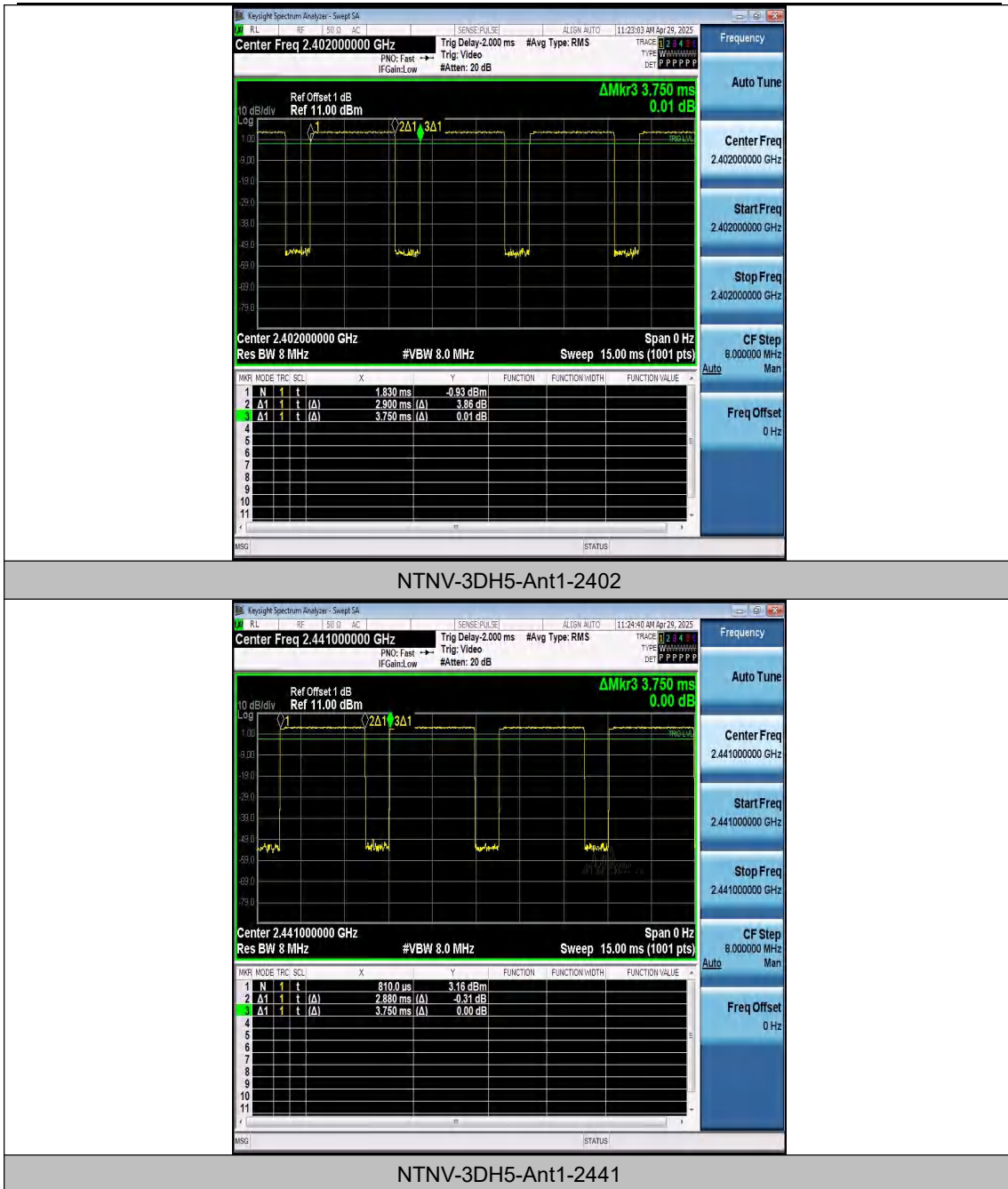
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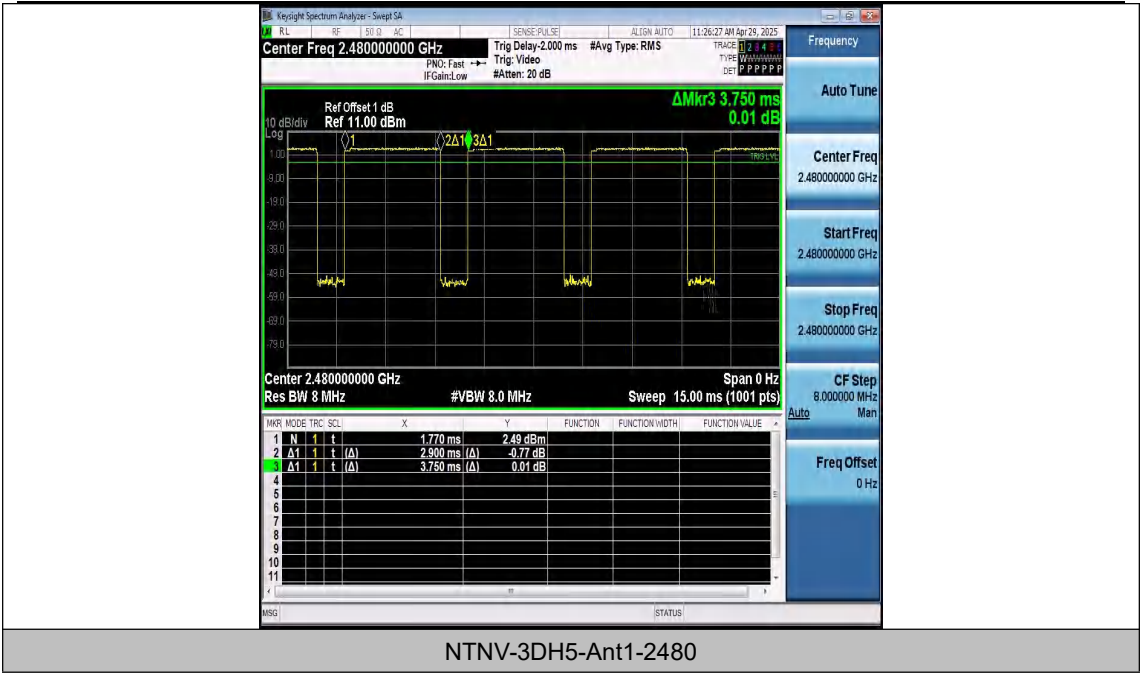


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NTNV-3DH5-Ant1-2480

---End---

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