

Appendix Test Data-ANT1

Report No.:	1812C60385412501-01	Test Sample No.:	1-2-2
Start Test Date:	2026-7-10	Finish Test Date:	2026-7-15
Test Engineer:	Pearl Ao	Auditor:	Justin Feng
Temperature:	24°C	Relative Humidity:	68%
Pressure:	99.9kPa		

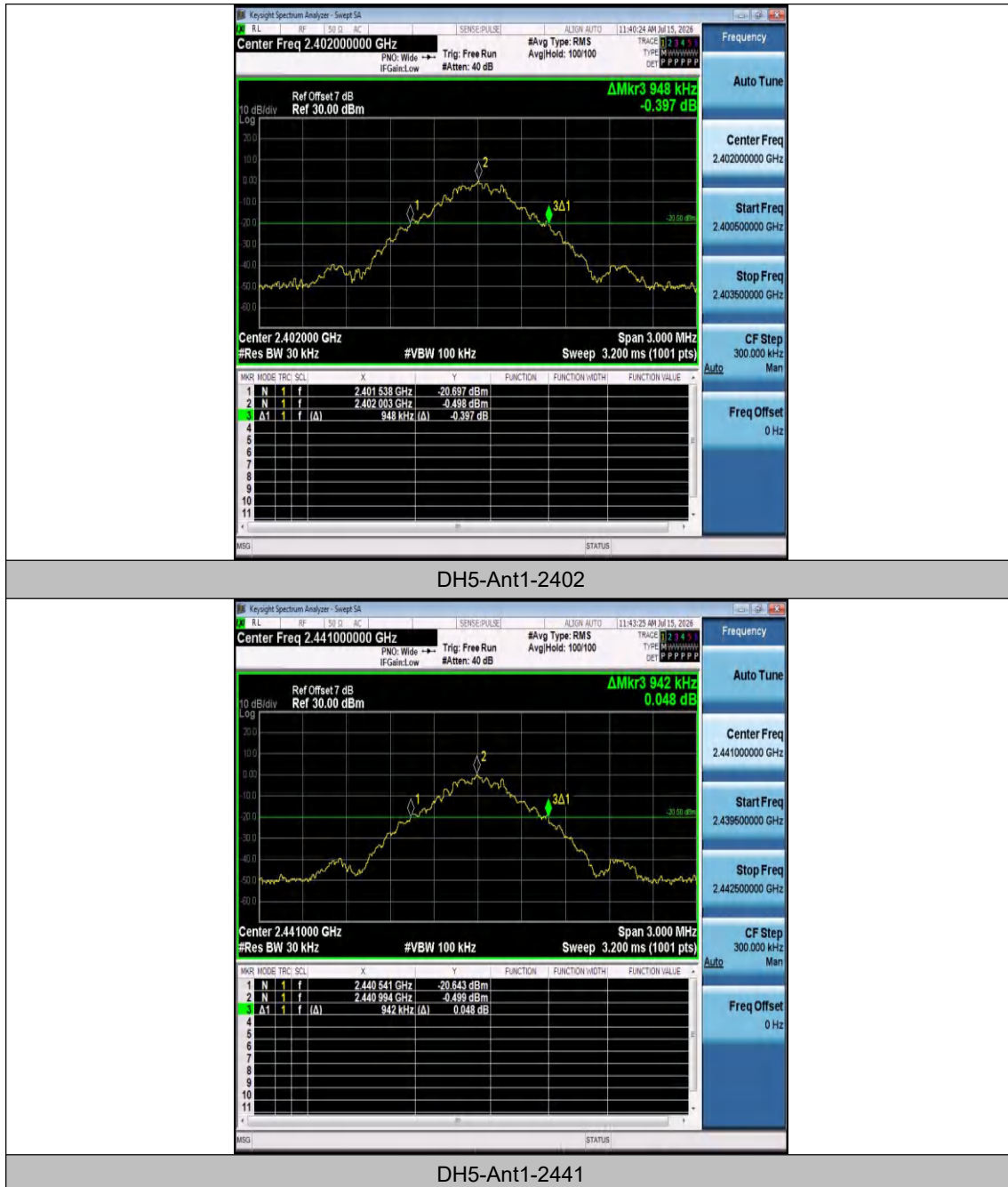


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.538	2402.486	---	---
DH5	Ant1	2441	0.942	2440.541	2441.483	---	---
DH5	Ant1	2480	0.960	2479.532	2480.492	---	---
2DH5	Ant1	2402	1.224	2401.379	2402.603	---	---
2DH5	Ant1	2441	1.278	2440.367	2441.645	---	---
2DH5	Ant1	2480	1.227	2479.376	2480.603	---	---
3DH5	Ant1	2402	1.200	2401.409	2402.609	---	---
3DH5	Ant1	2441	1.209	2440.406	2441.615	---	---
3DH5	Ant1	2480	1.293	2479.355	2480.648	---	---

Test Graphs



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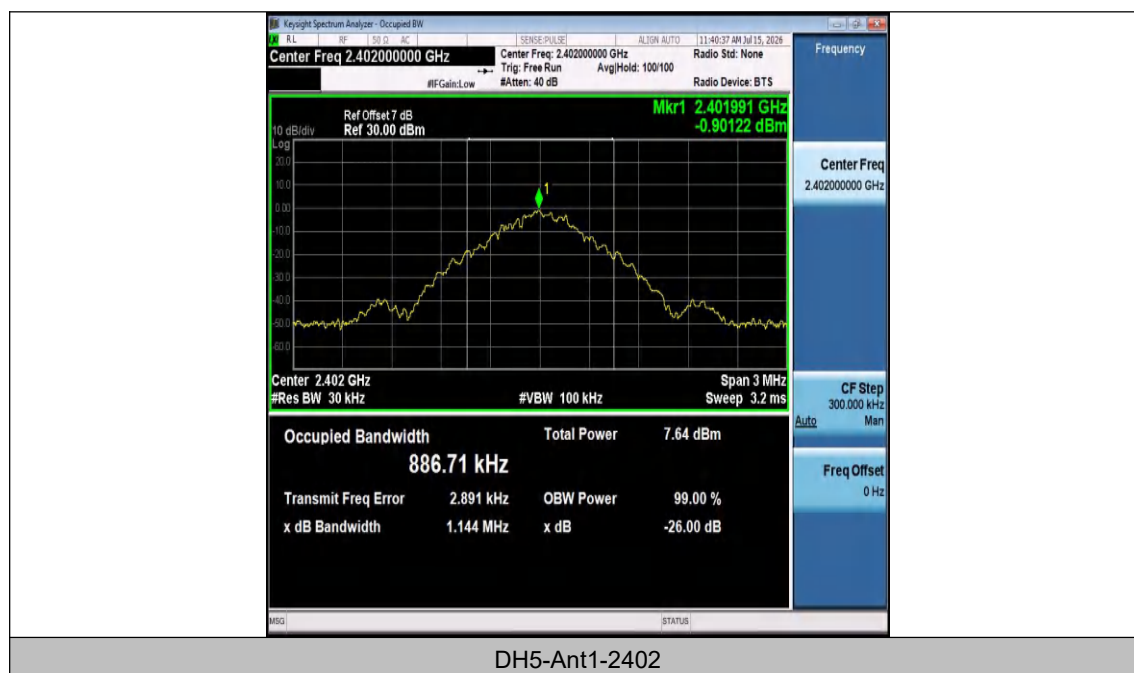
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88671	2401.5595	2402.4462	---	---
DH5	Ant1	2441	0.87076	2440.5655	2441.4363	---	---
DH5	Ant1	2480	0.86990	2479.5661	2480.4360	---	---
2DH5	Ant1	2402	1.1634	2401.4166	2402.5800	---	---
2DH5	Ant1	2441	1.1593	2440.4180	2441.5773	---	---
2DH5	Ant1	2480	1.1500	2479.4233	2480.5733	---	---
3DH5	Ant1	2402	1.1560	2401.4231	2402.5791	---	---
3DH5	Ant1	2441	1.1693	2440.4191	2441.5884	---	---
3DH5	Ant1	2480	1.1754	2479.4172	2480.5926	---	---

Test Graphs





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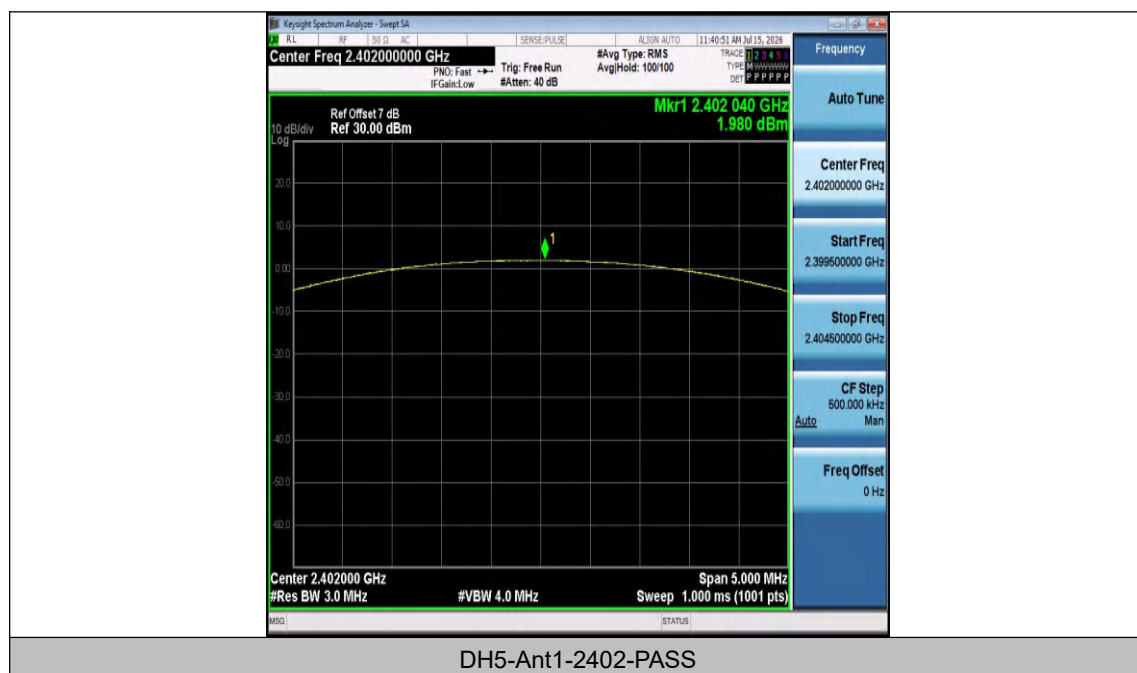
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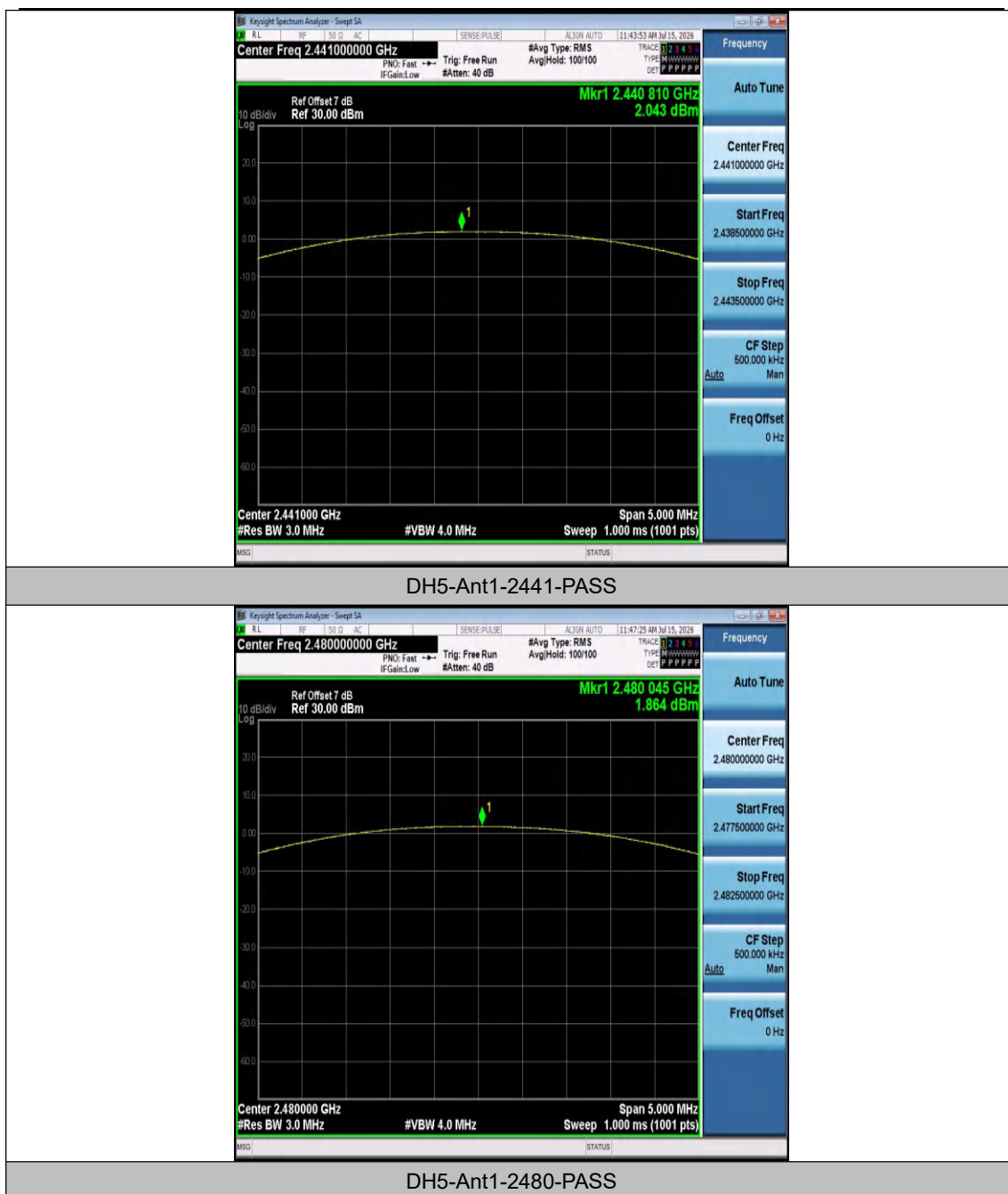
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.98	≤30	PASS
DH5	Ant1	2441	2.04	≤30	PASS
DH5	Ant1	2480	1.86	≤30	PASS
2DH5	Ant1	2402	1.96	≤30	PASS
2DH5	Ant1	2441	1.88	≤30	PASS
2DH5	Ant1	2480	1.80	≤30	PASS
3DH5	Ant1	2402	1.94	≤30	PASS
3DH5	Ant1	2441	1.95	≤30	PASS
3DH5	Ant1	2480	1.85	≤30	PASS

Test Graphs

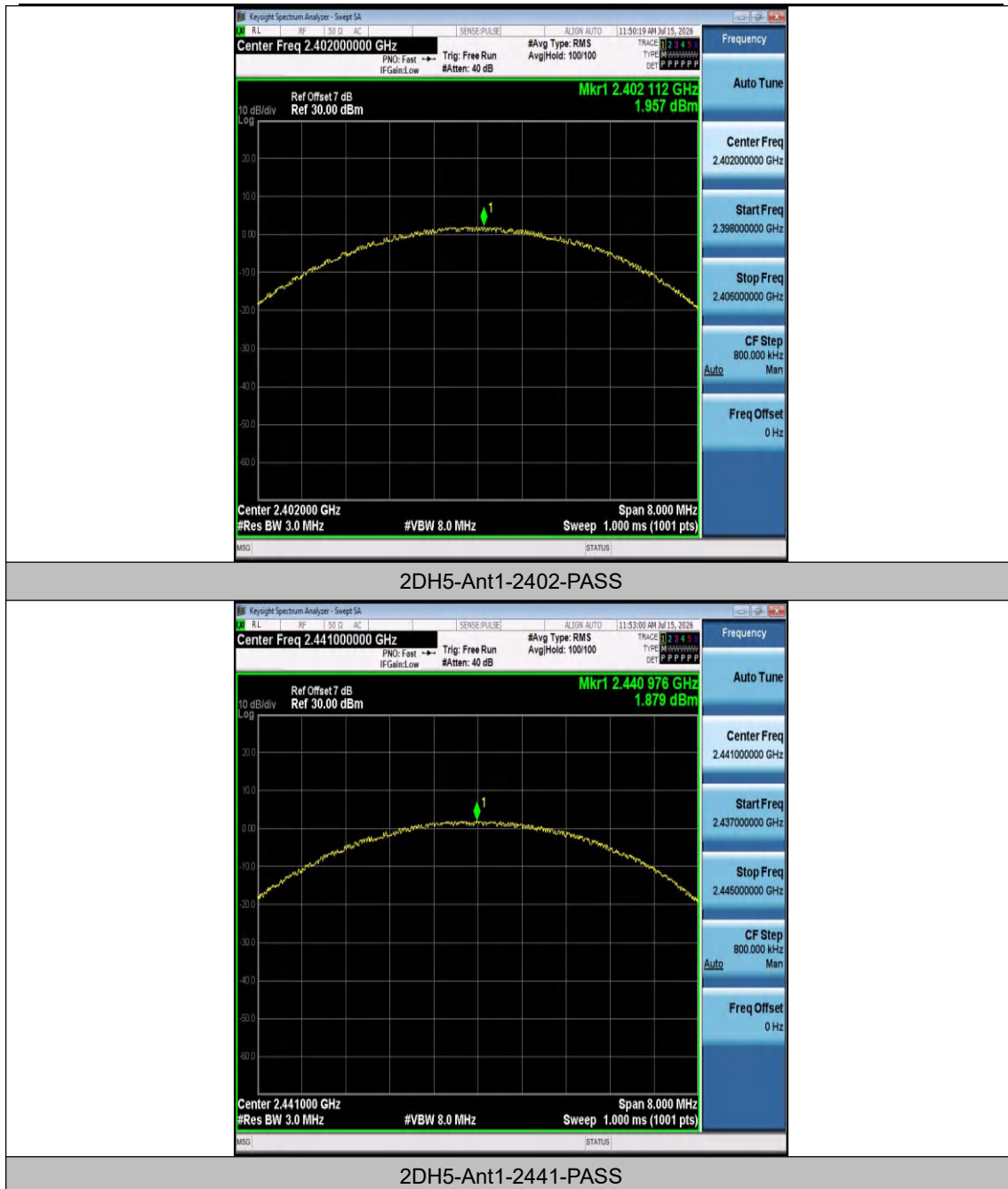




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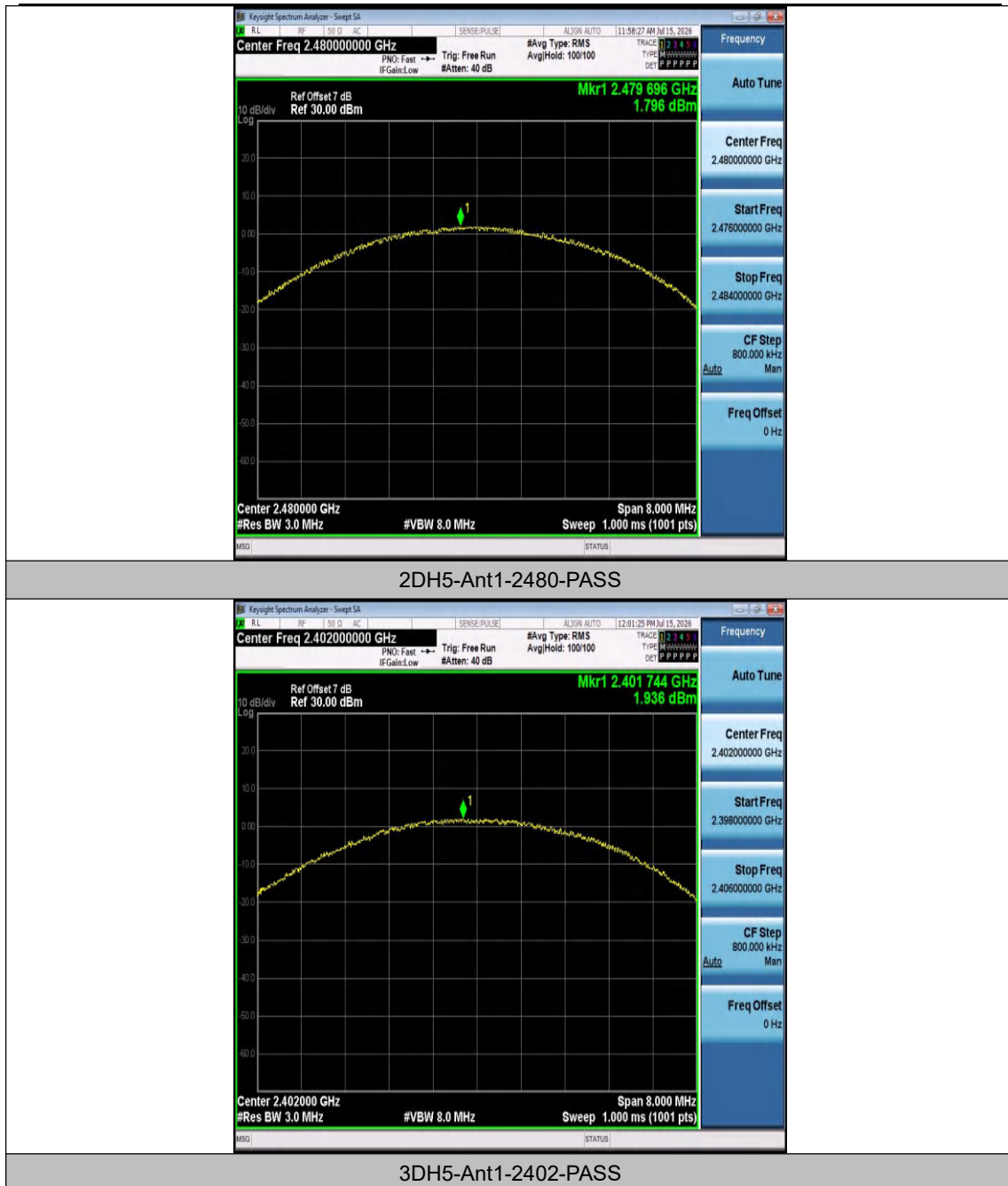
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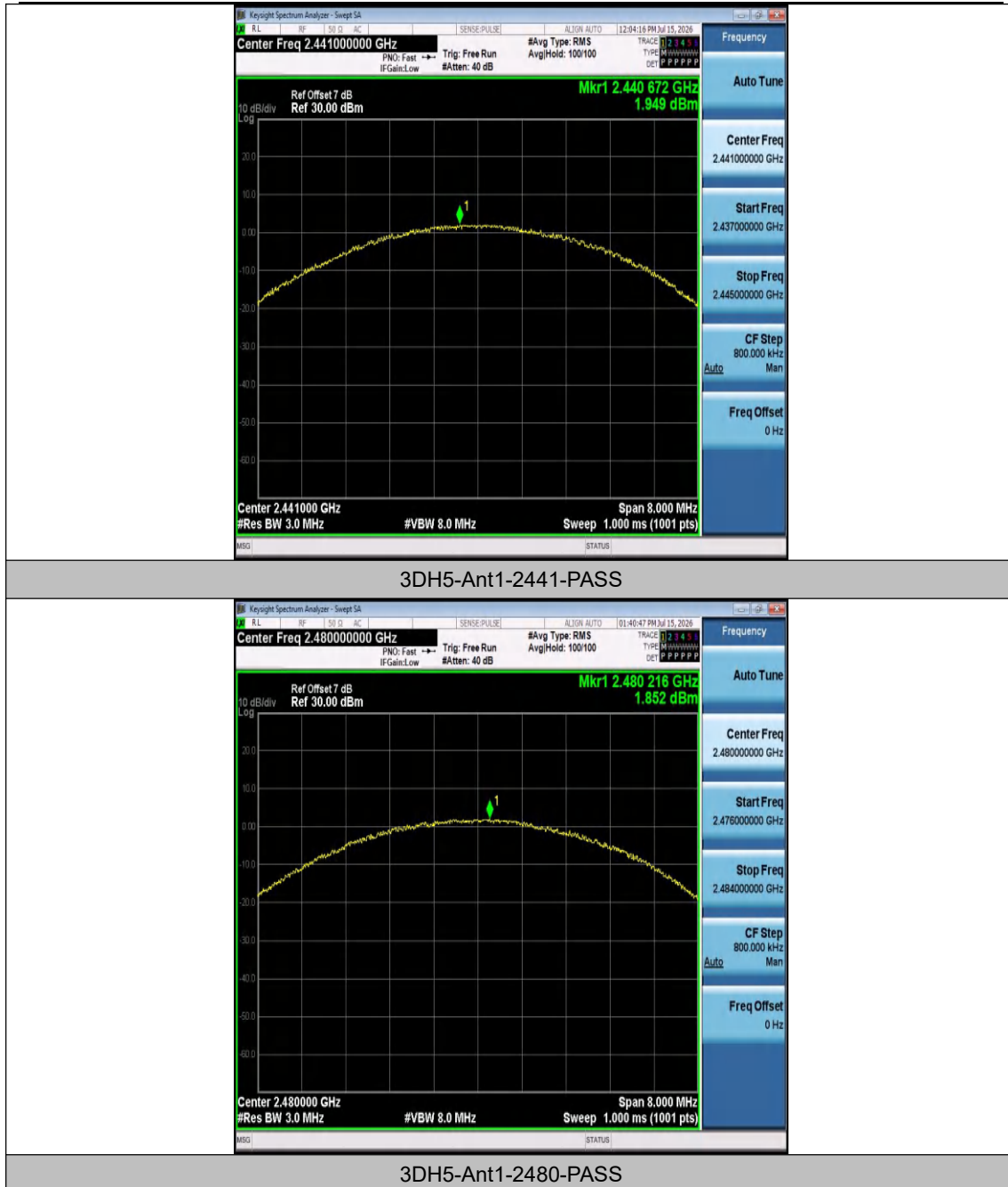
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.960	PASS
2DH5	Ant1	Hop	1.332	≥ 1.278	PASS
3DH5	Ant1	Hop	1.344	≥ 1.293	PASS

Test Graphs





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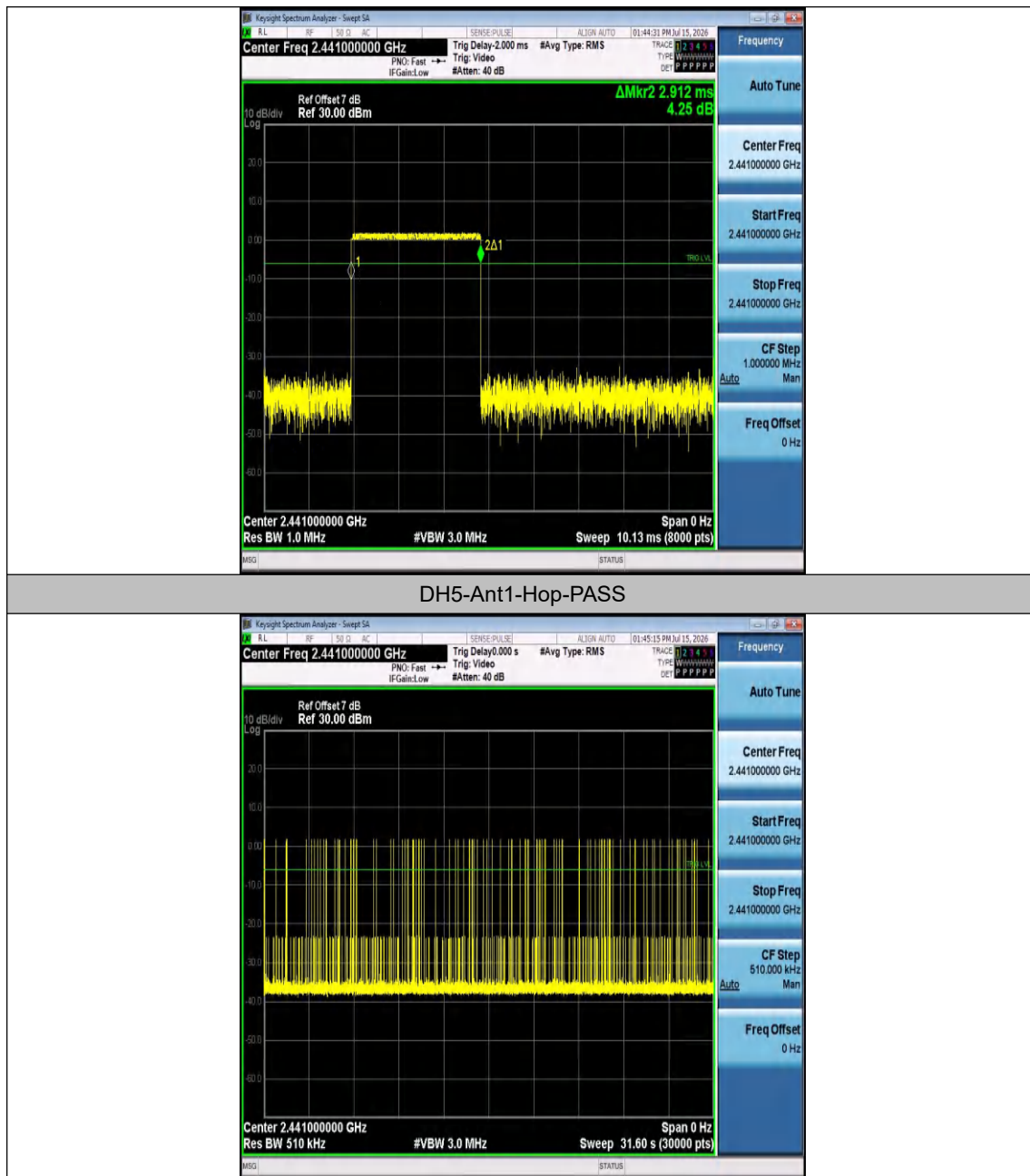
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.912	101	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.918	117	0.341	≤0.4	PASS
3DH5	Ant1	Hop	2.920	112	0.327	≤0.4	PASS

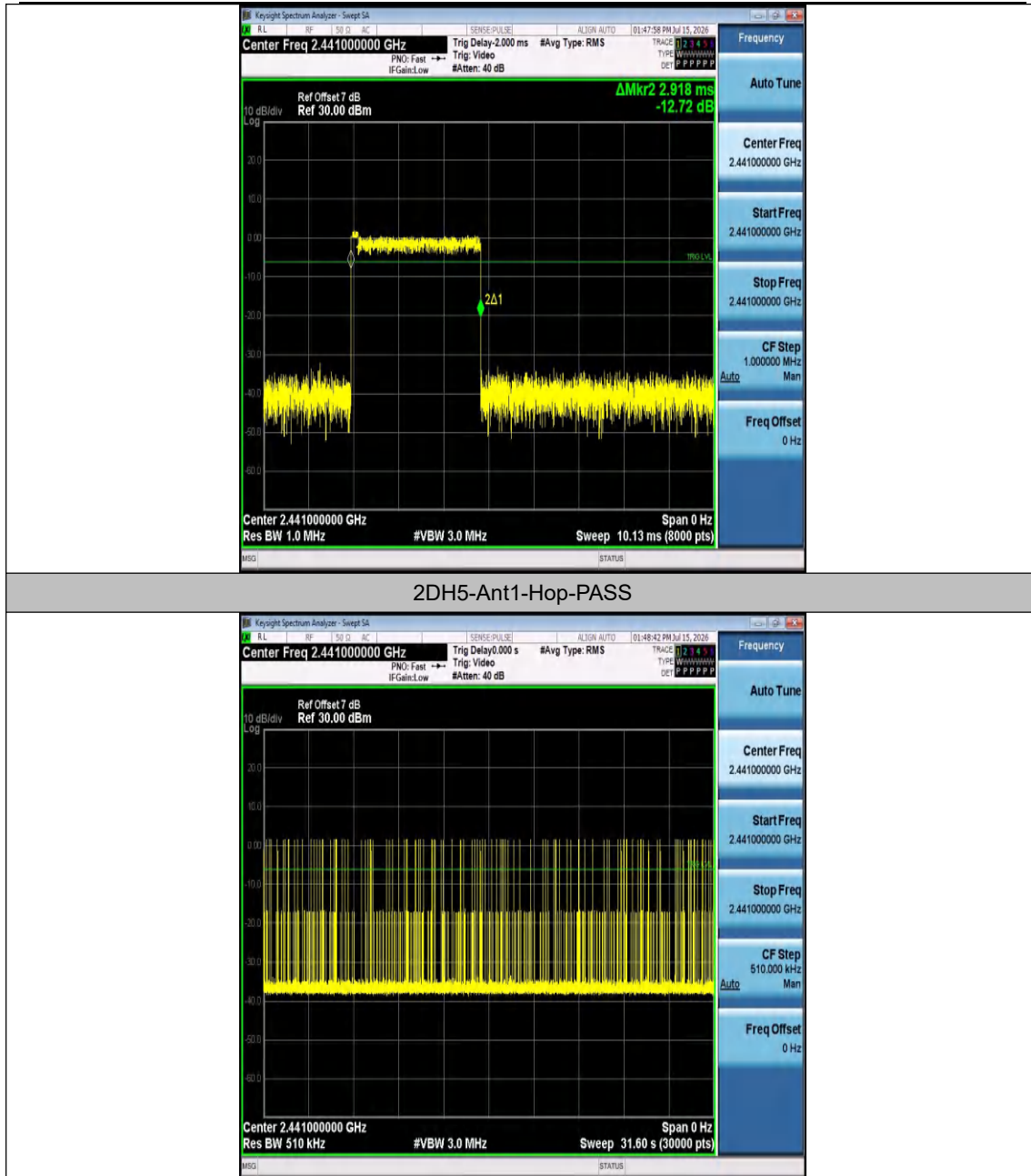
Test Graphs



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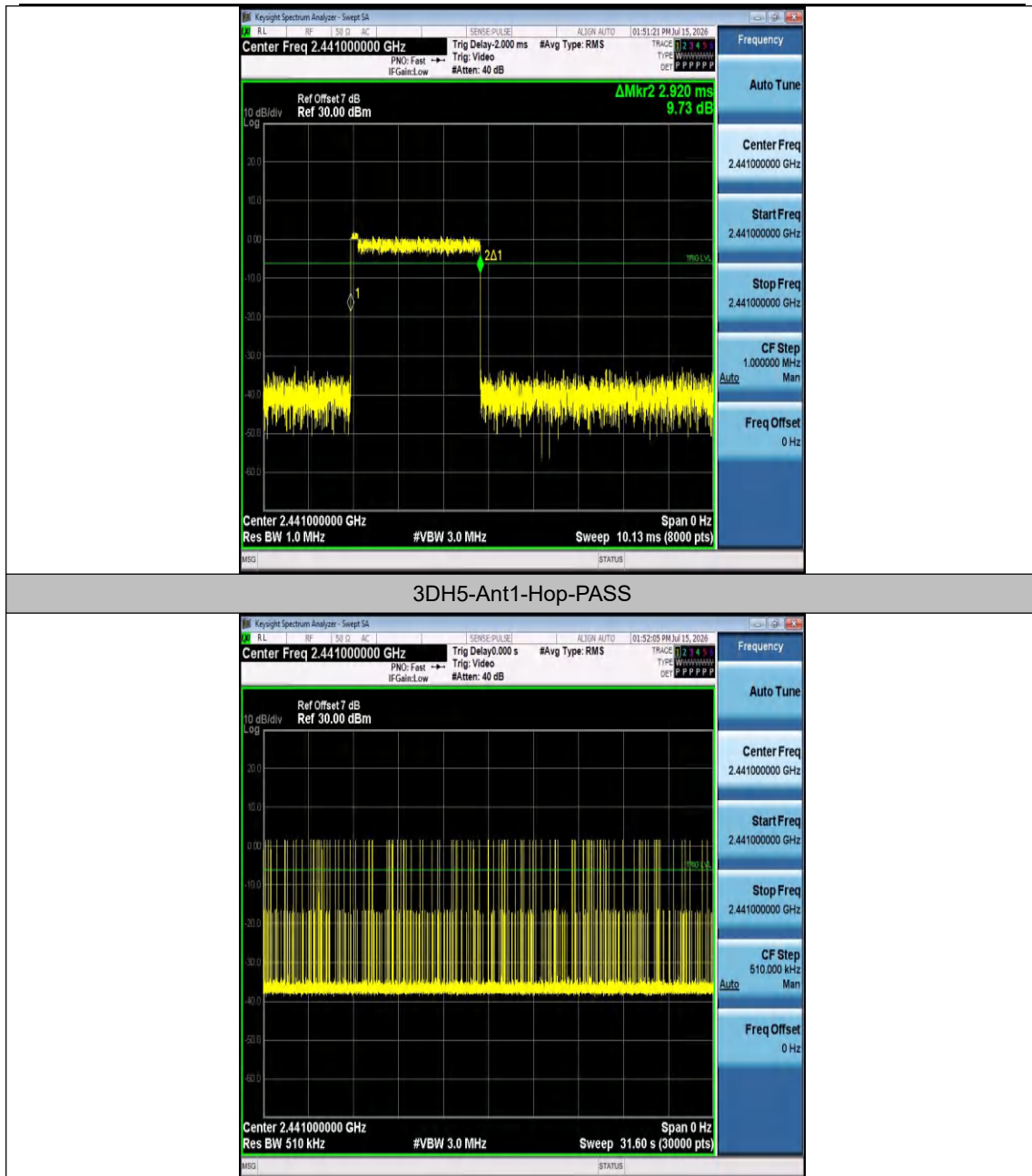
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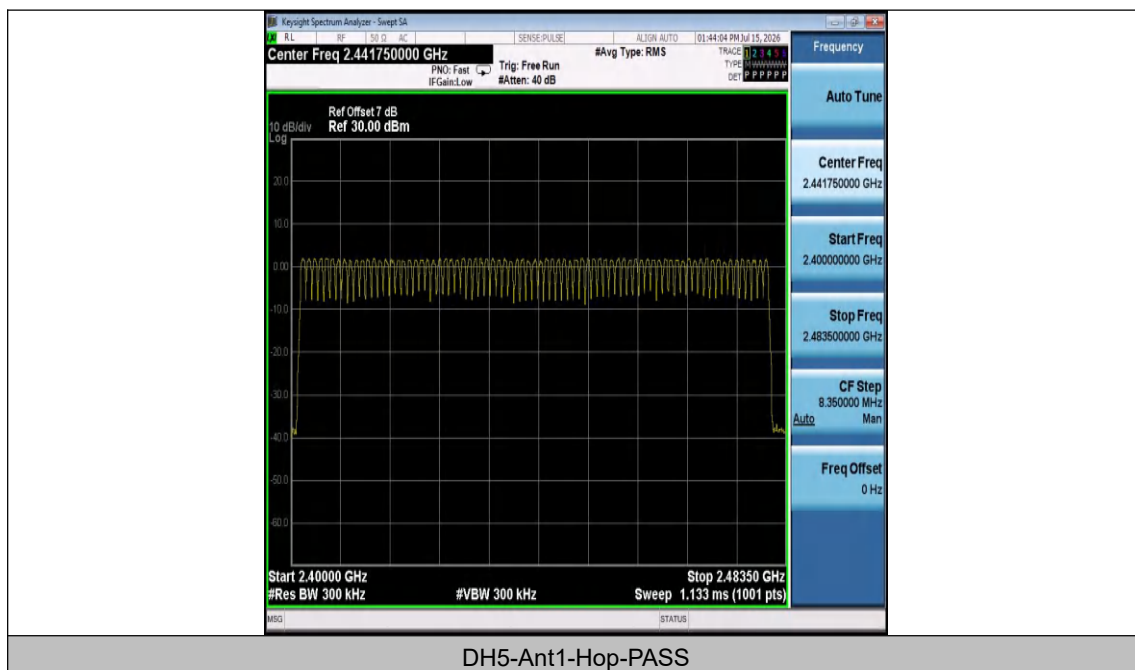
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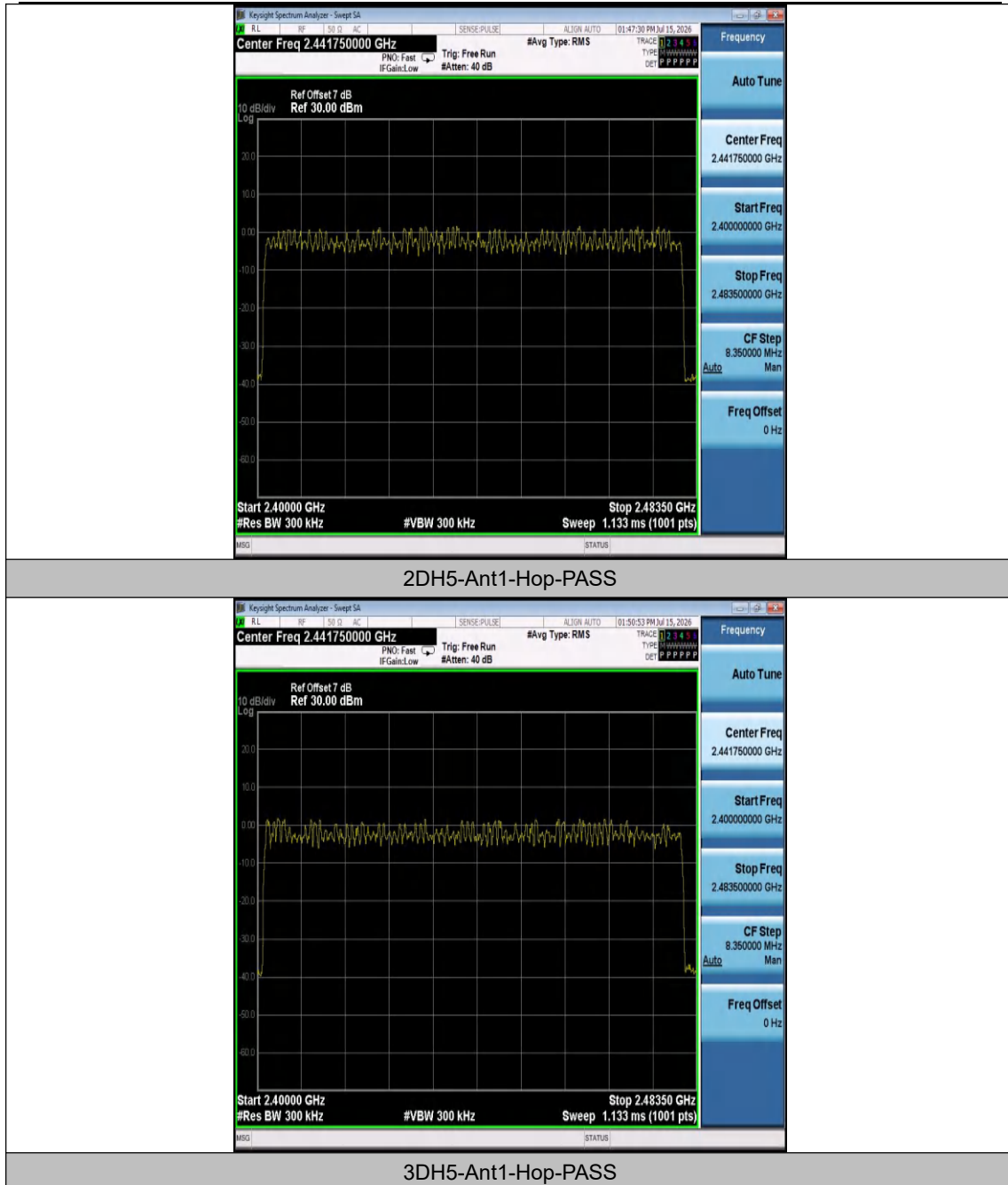
Appendix F: Number of Hopping Channel

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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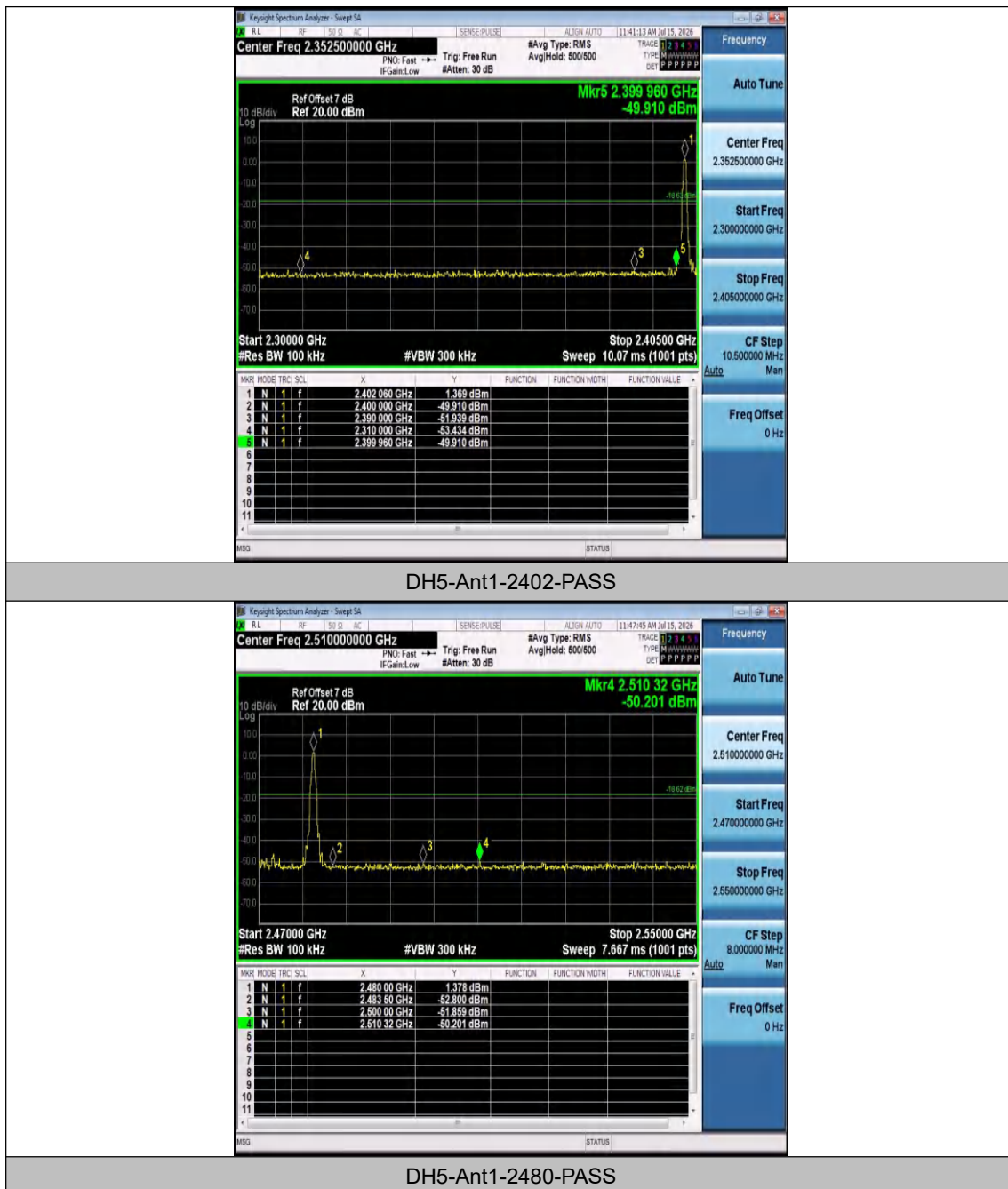
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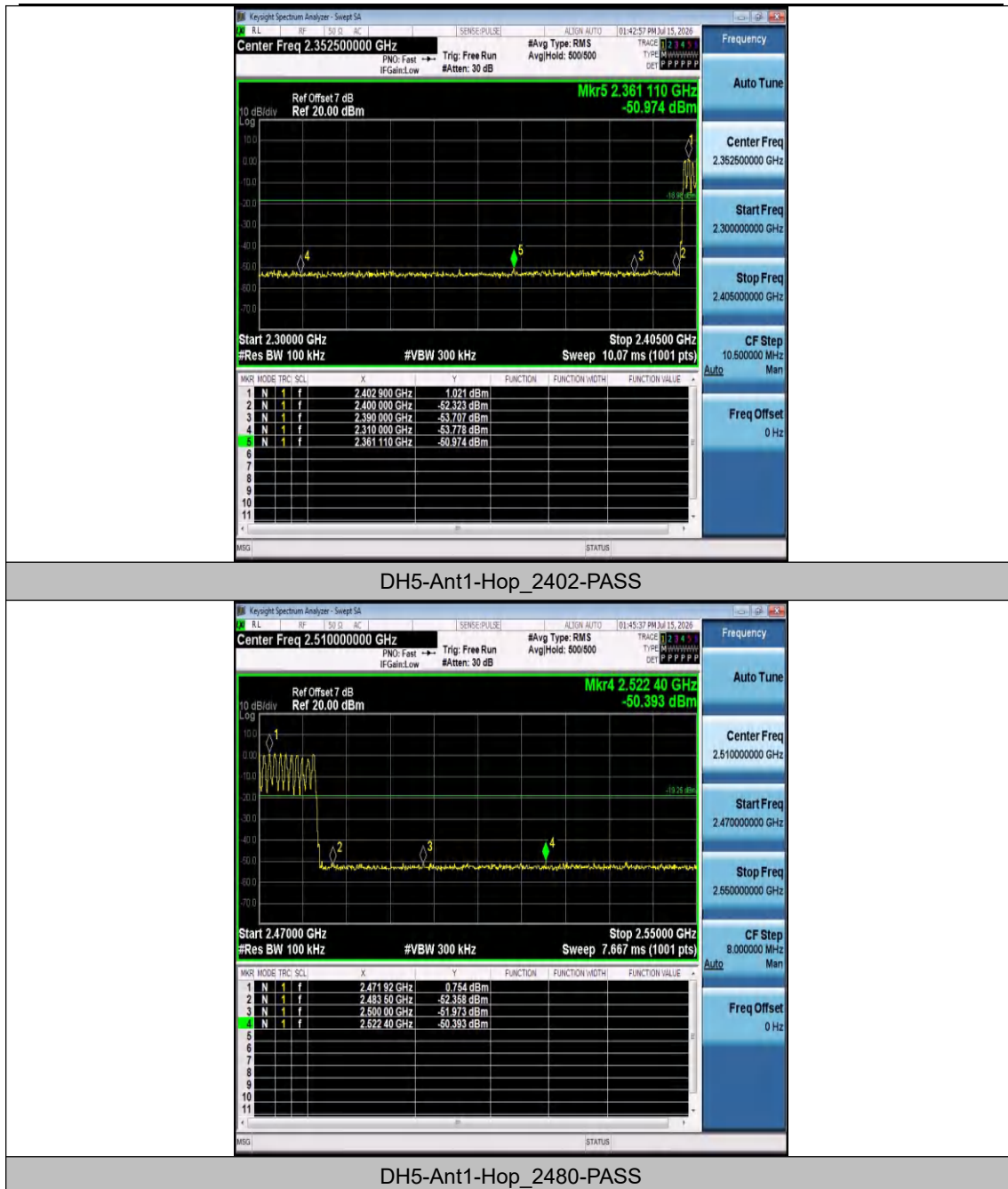
Appendix G: Conducted Band edge

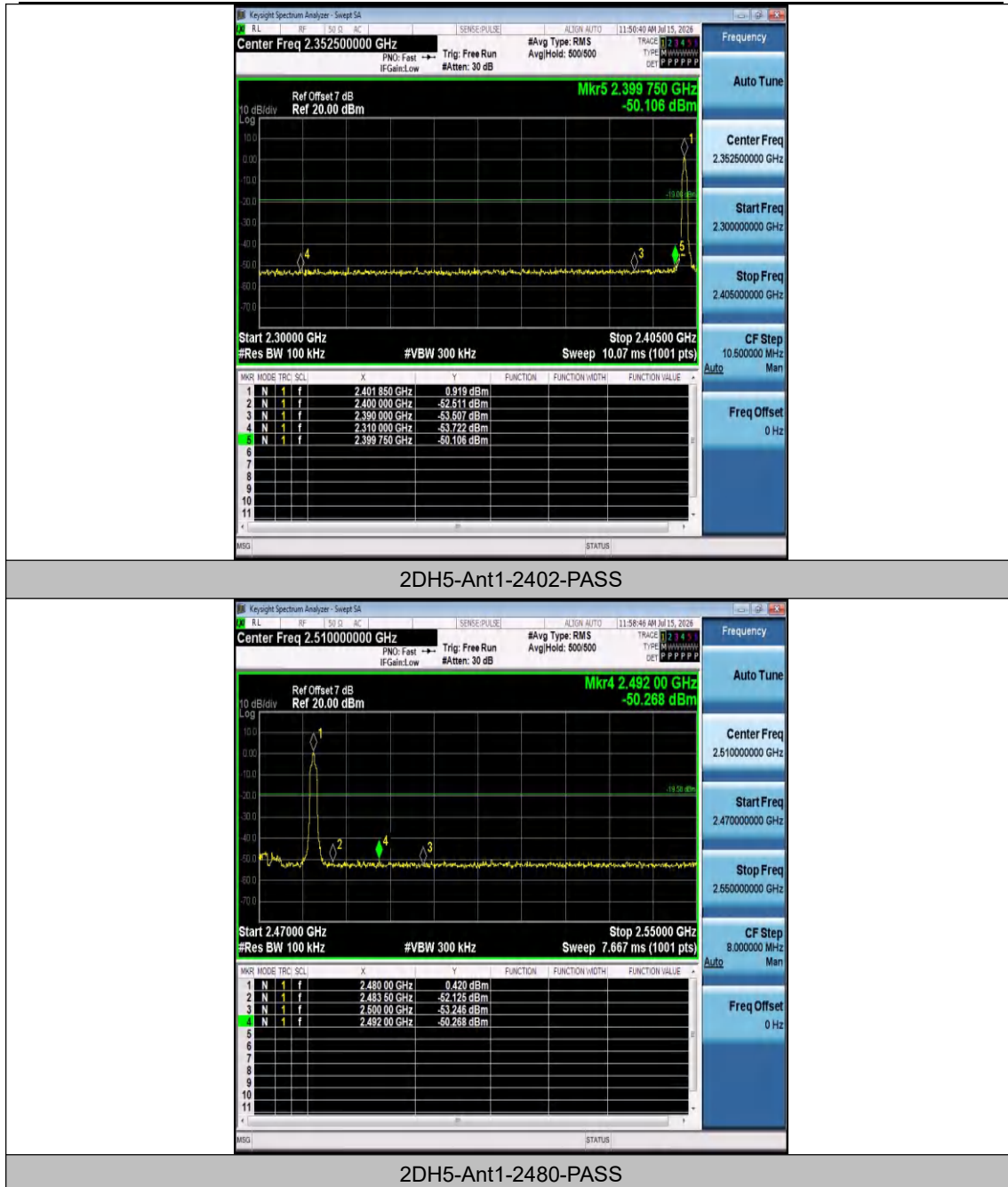
Test Result

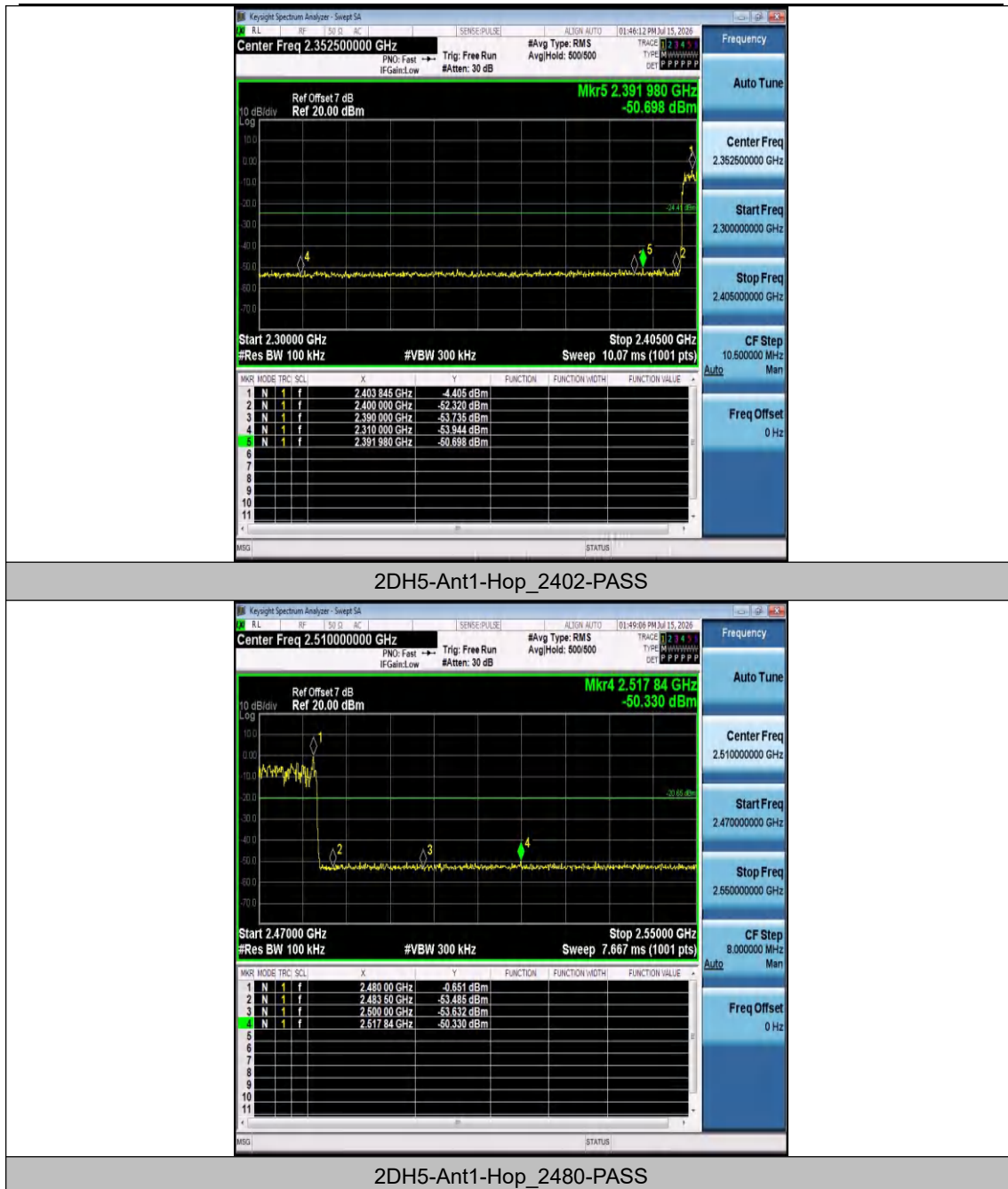
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.37	-49.91	≤-18.63	PASS
DH5	Ant1	High	2480	1.38	-50.2	≤-18.62	PASS
DH5	Ant1	Low	Hop_2402	1.02	-50.97	≤-18.98	PASS
DH5	Ant1	High	Hop_2480	0.75	-50.39	≤-19.25	PASS
2DH5	Ant1	Low	2402	0.92	-50.11	≤-19.08	PASS
2DH5	Ant1	High	2480	0.42	-50.27	≤-19.58	PASS
2DH5	Ant1	Low	Hop_2402	-4.41	-50.7	≤-24.41	PASS
2DH5	Ant1	High	Hop_2480	-0.65	-50.33	≤-20.65	PASS
3DH5	Ant1	Low	2402	1.10	-49.9	≤-18.9	PASS
3DH5	Ant1	High	2480	1.12	-49.41	≤-18.88	PASS
3DH5	Ant1	Low	Hop_2402	-4.17	-51.14	≤-24.17	PASS
3DH5	Ant1	High	Hop_2480	0.42	-49.79	≤-19.58	PASS

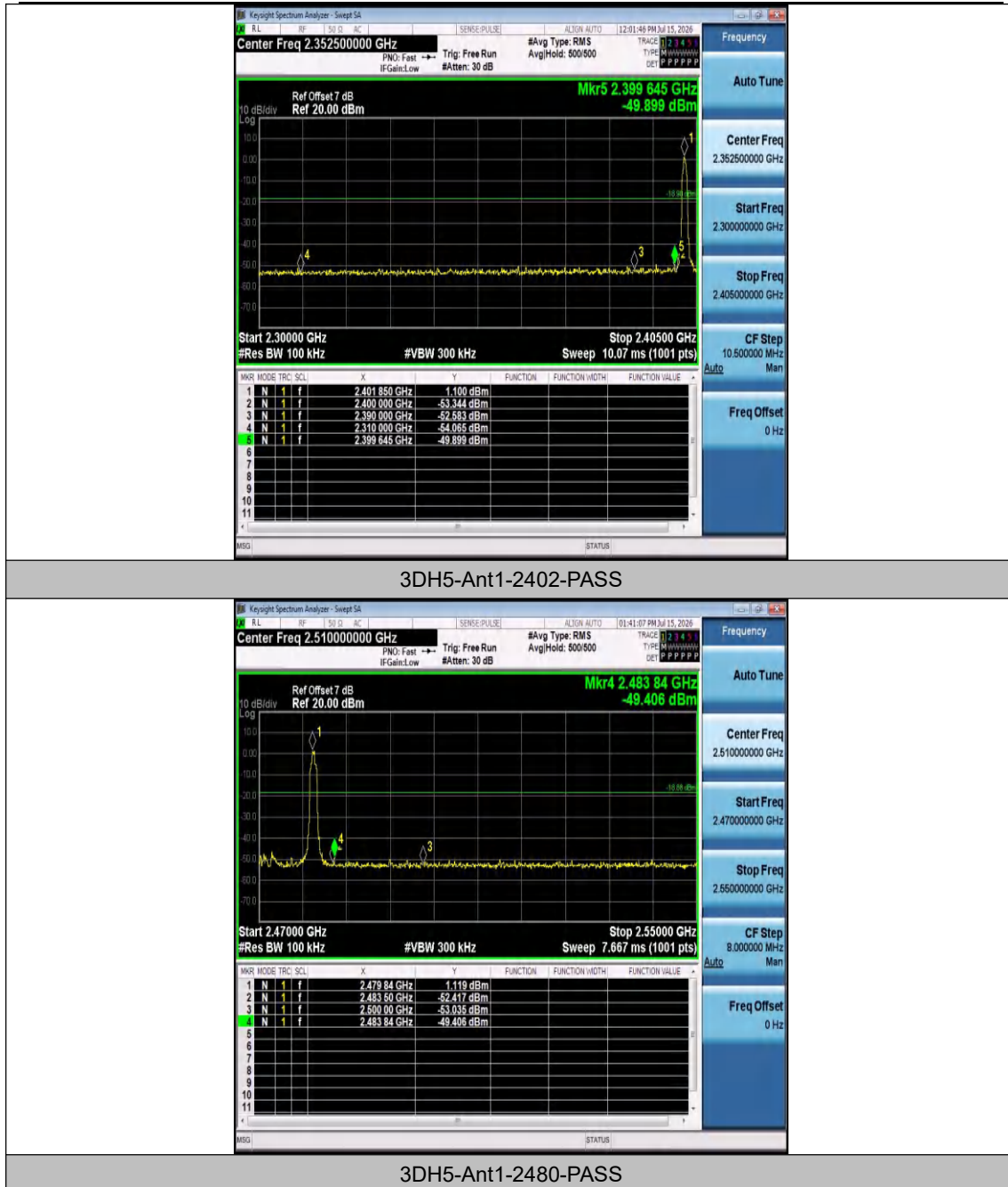
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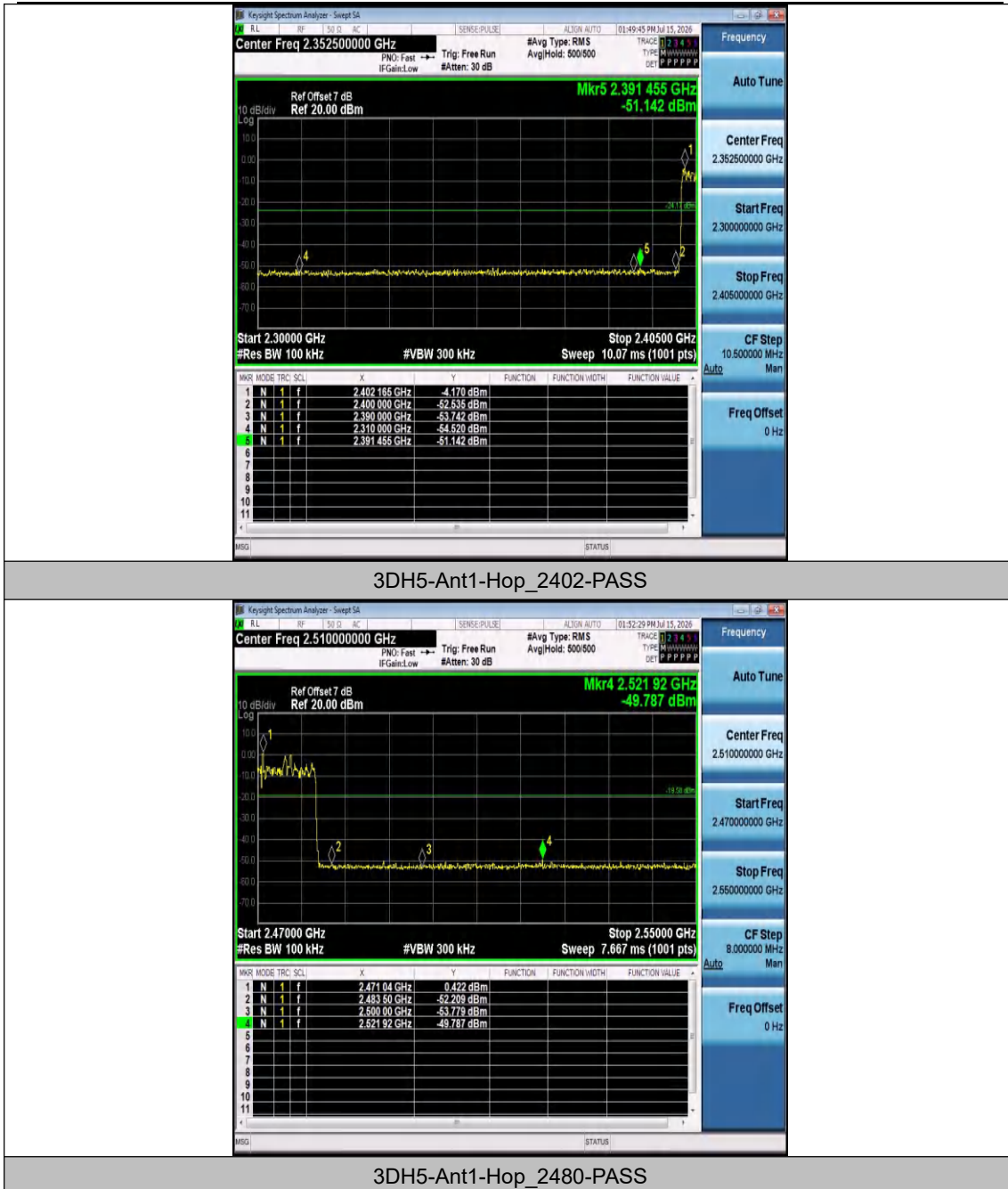












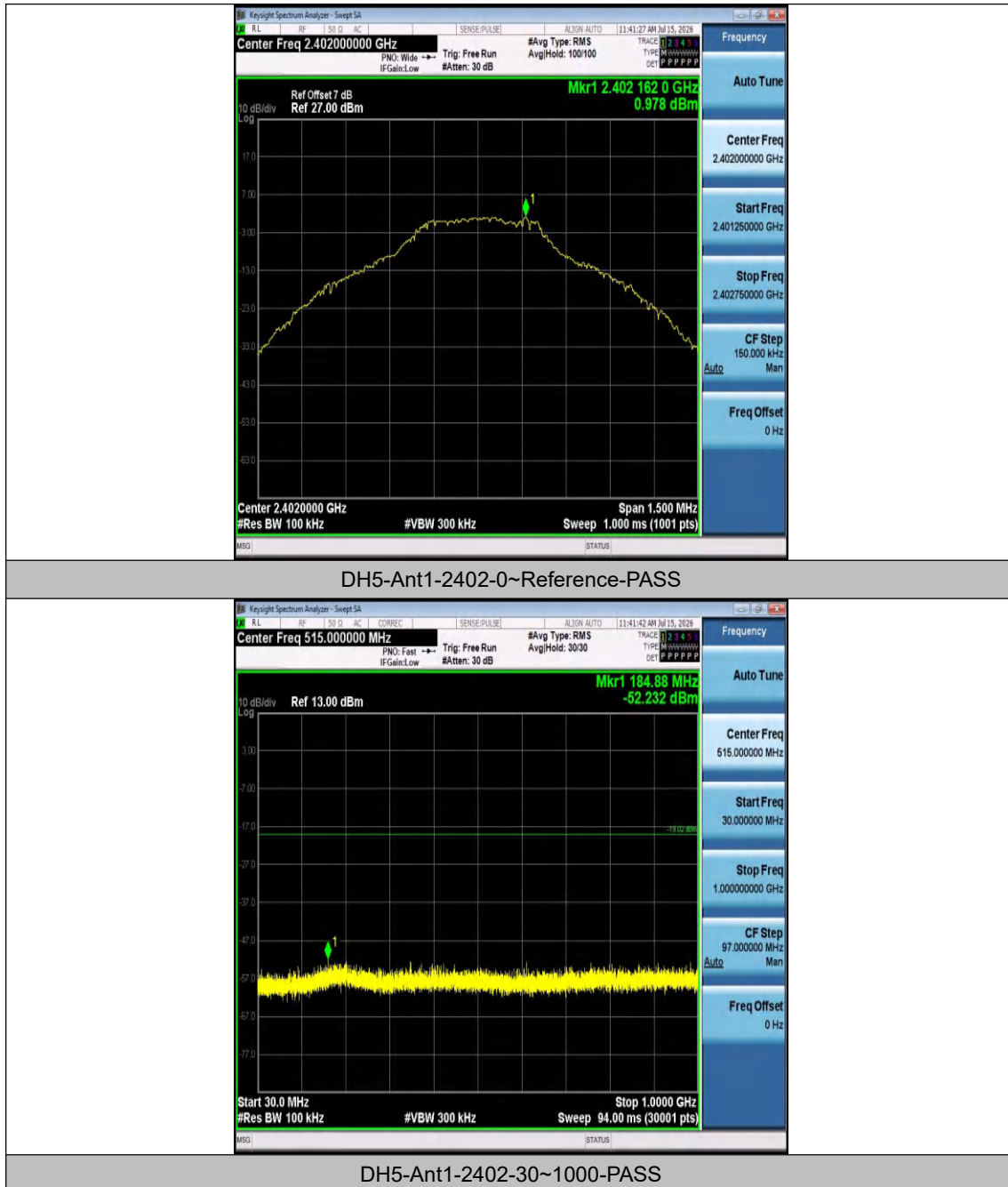
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.98	0.98	---	PASS
DH5	Ant1	2402	30~1000	0.98	-52.23	≤-19.02	PASS
DH5	Ant1	2402	1000~26500	0.98	-27.97	≤-19.02	PASS
DH5	Ant1	2441	0~Reference	1.20	1.20	---	PASS
DH5	Ant1	2441	30~1000	1.20	-52.23	≤-18.8	PASS
DH5	Ant1	2441	1000~26500	1.20	-27.8	≤-18.8	PASS
DH5	Ant1	2480	0~Reference	1.10	1.10	---	PASS
DH5	Ant1	2480	30~1000	1.10	-51.16	≤-18.9	PASS
DH5	Ant1	2480	1000~26500	1.10	-29.13	≤-18.9	PASS
2DH5	Ant1	2402	0~Reference	0.98	0.98	---	PASS
2DH5	Ant1	2402	30~1000	0.98	-51.95	≤-19.02	PASS
2DH5	Ant1	2402	1000~26500	0.98	-34.11	≤-19.02	PASS
2DH5	Ant1	2441	0~Reference	0.85	0.85	---	PASS
2DH5	Ant1	2441	30~1000	0.85	-51.95	≤-19.15	PASS
2DH5	Ant1	2441	1000~26500	0.85	-31.85	≤-19.15	PASS
2DH5	Ant1	2480	0~Reference	0.87	0.87	---	PASS
2DH5	Ant1	2480	30~1000	0.87	-52.21	≤-19.13	PASS
2DH5	Ant1	2480	1000~26500	0.87	-31.13	≤-19.13	PASS
3DH5	Ant1	2402	0~Reference	1.03	1.03	---	PASS
3DH5	Ant1	2402	30~1000	1.03	-52.02	≤-18.97	PASS
3DH5	Ant1	2402	1000~26500	1.03	-34.13	≤-18.97	PASS
3DH5	Ant1	2441	0~Reference	1.08	1.08	---	PASS
3DH5	Ant1	2441	30~1000	1.08	-52.32	≤-18.92	PASS
3DH5	Ant1	2441	1000~26500	1.08	-36.71	≤-18.92	PASS
3DH5	Ant1	2480	0~Reference	0.75	0.75	---	PASS
3DH5	Ant1	2480	30~1000	0.75	-52.36	≤-19.25	PASS
3DH5	Ant1	2480	1000~26500	0.75	-29.54	≤-19.25	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.

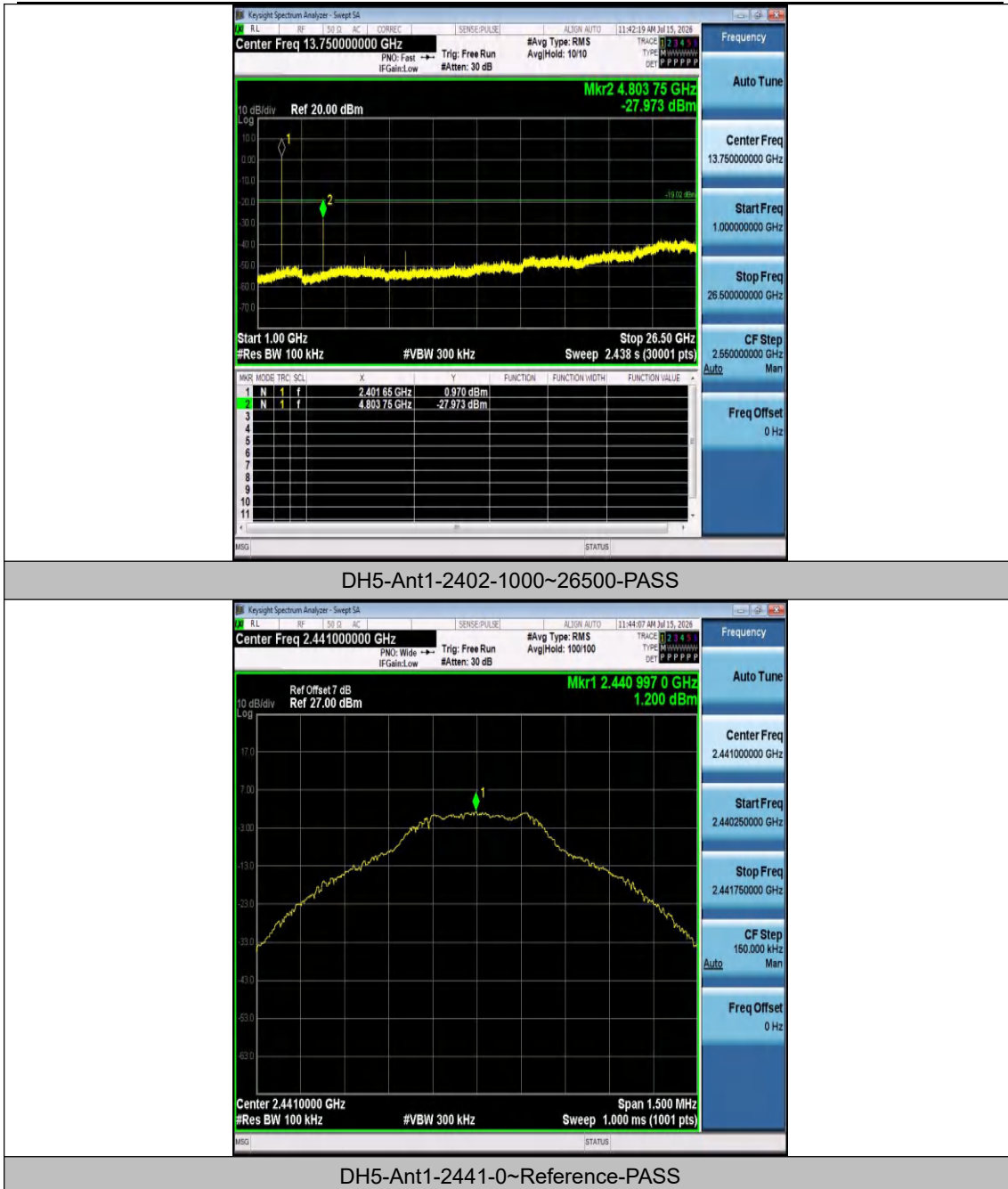
Test Graphs



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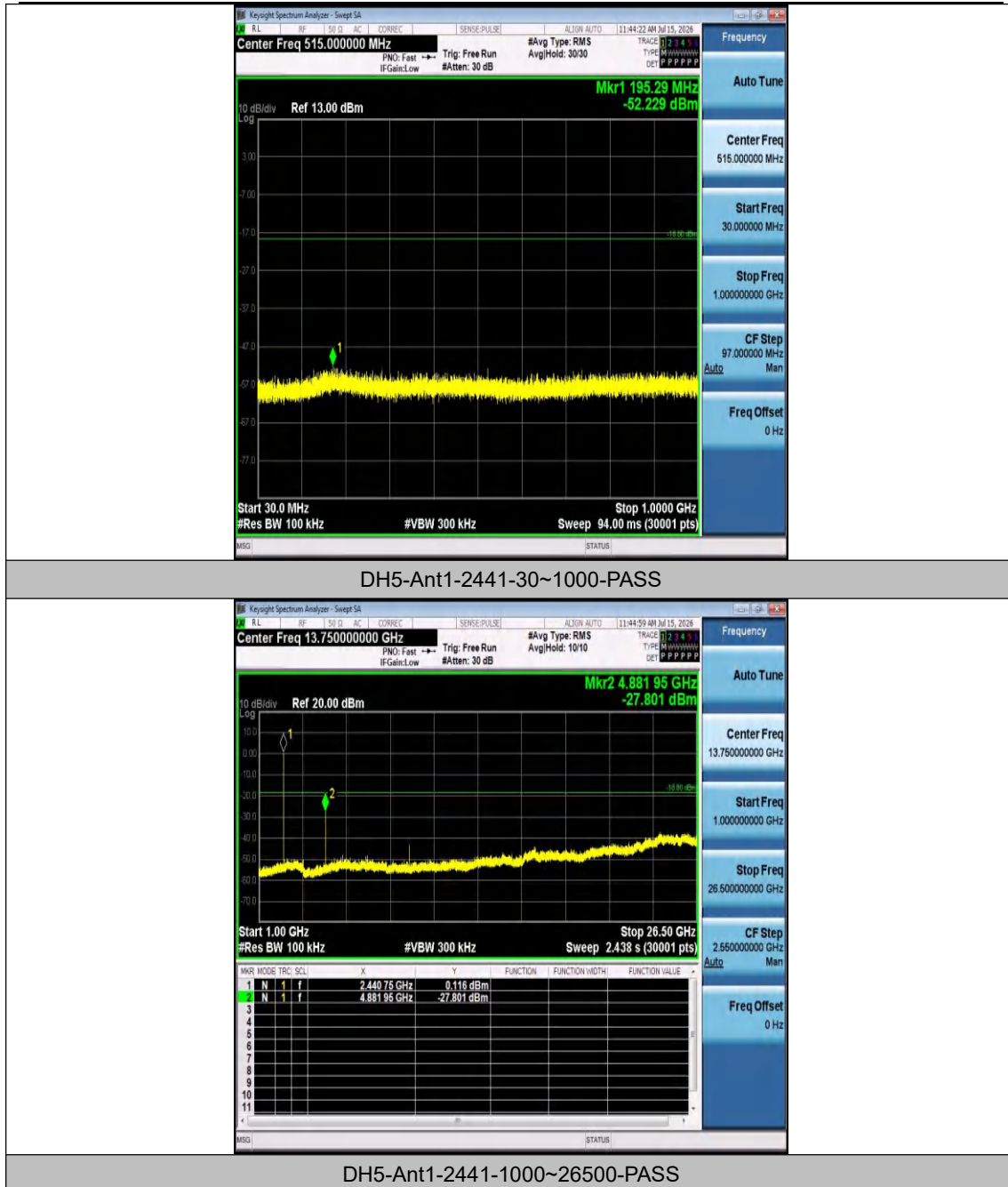
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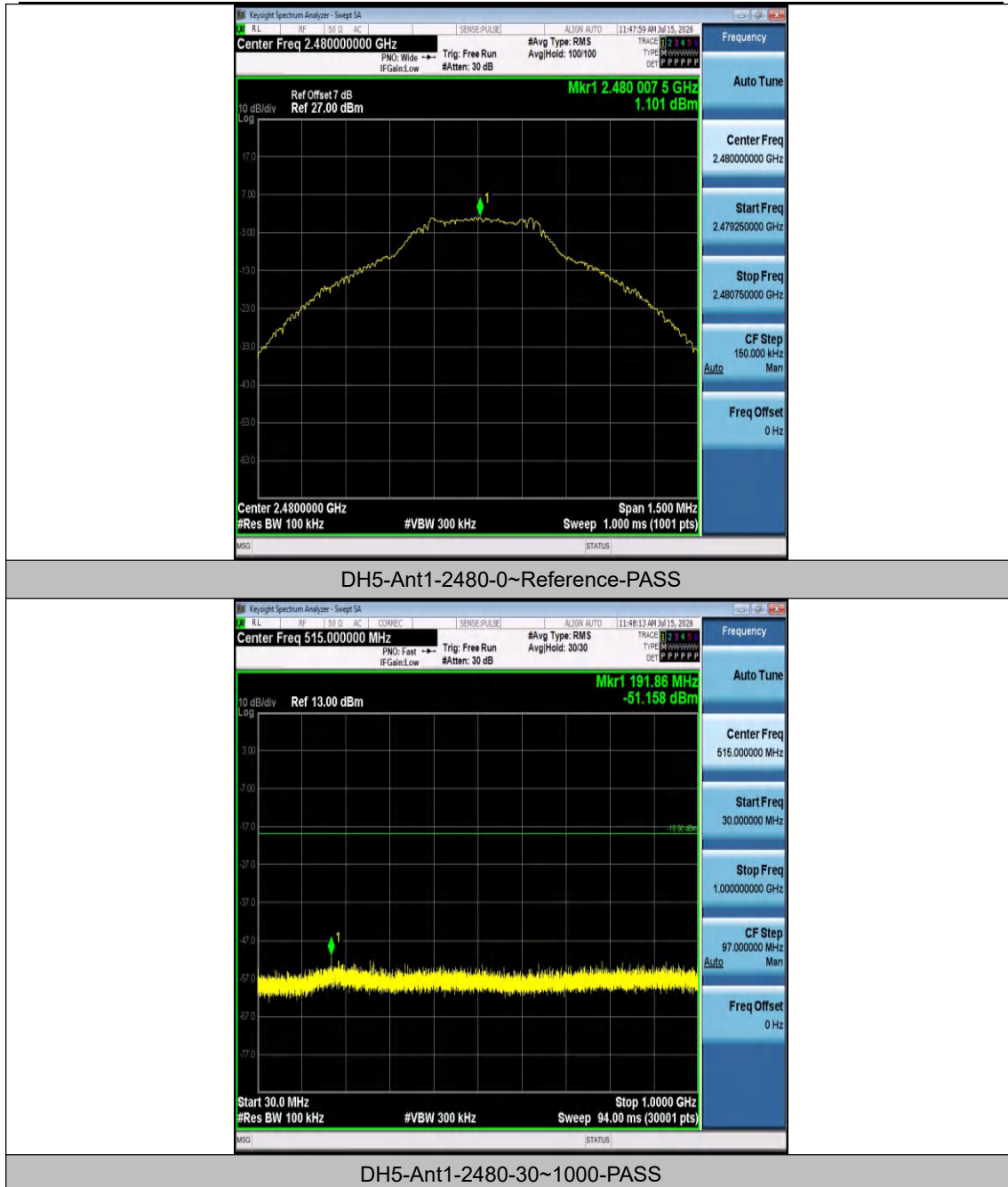
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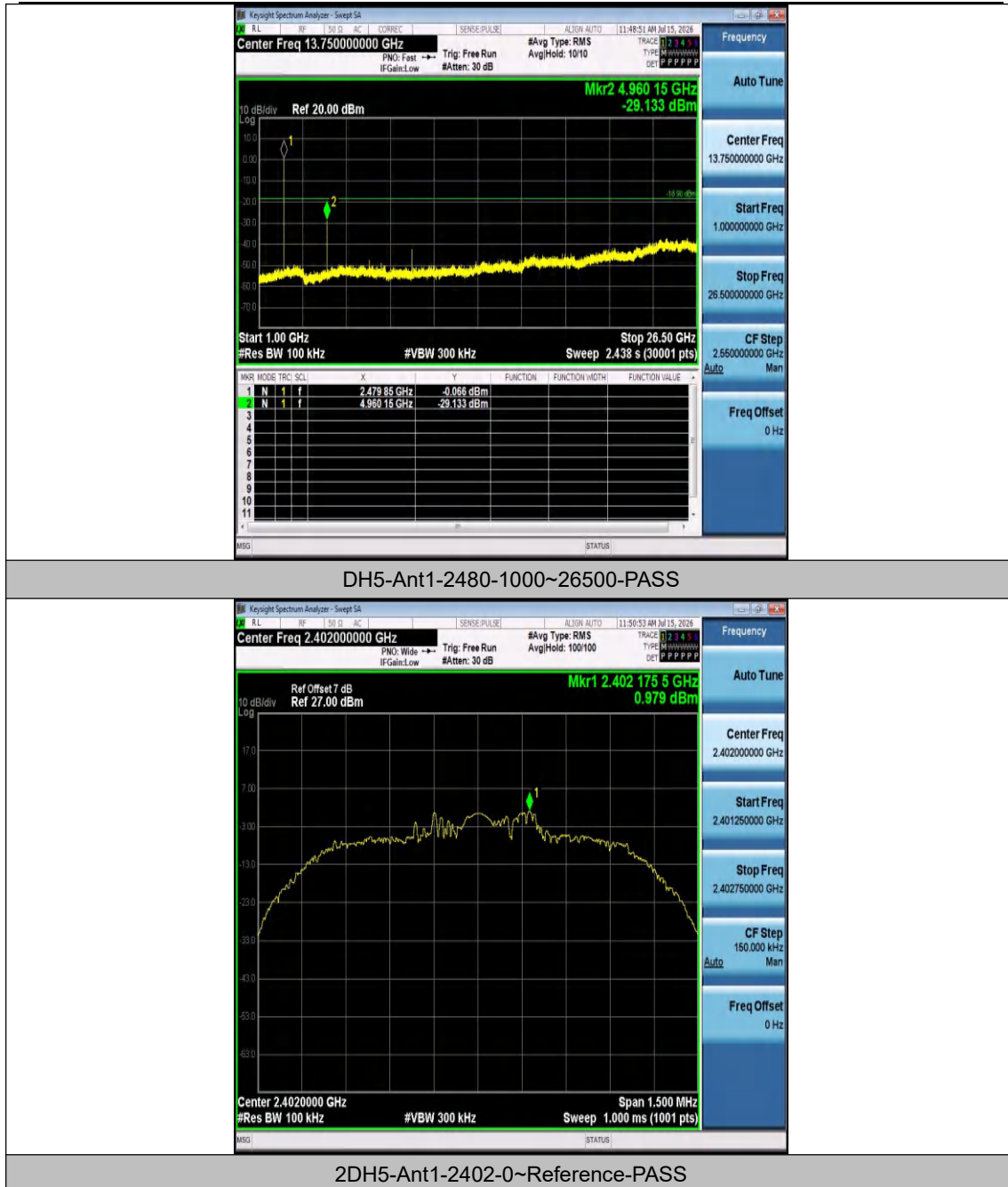
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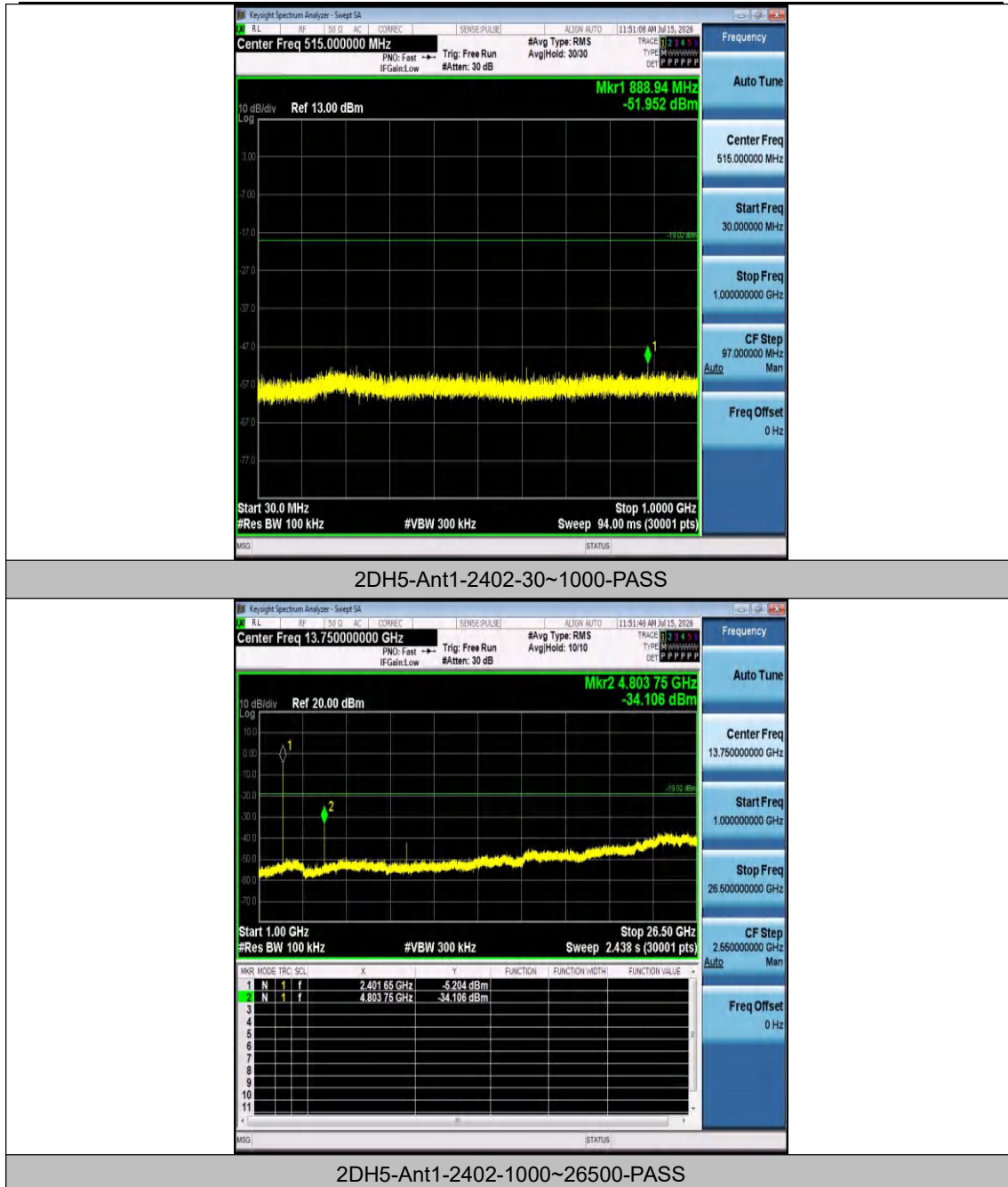


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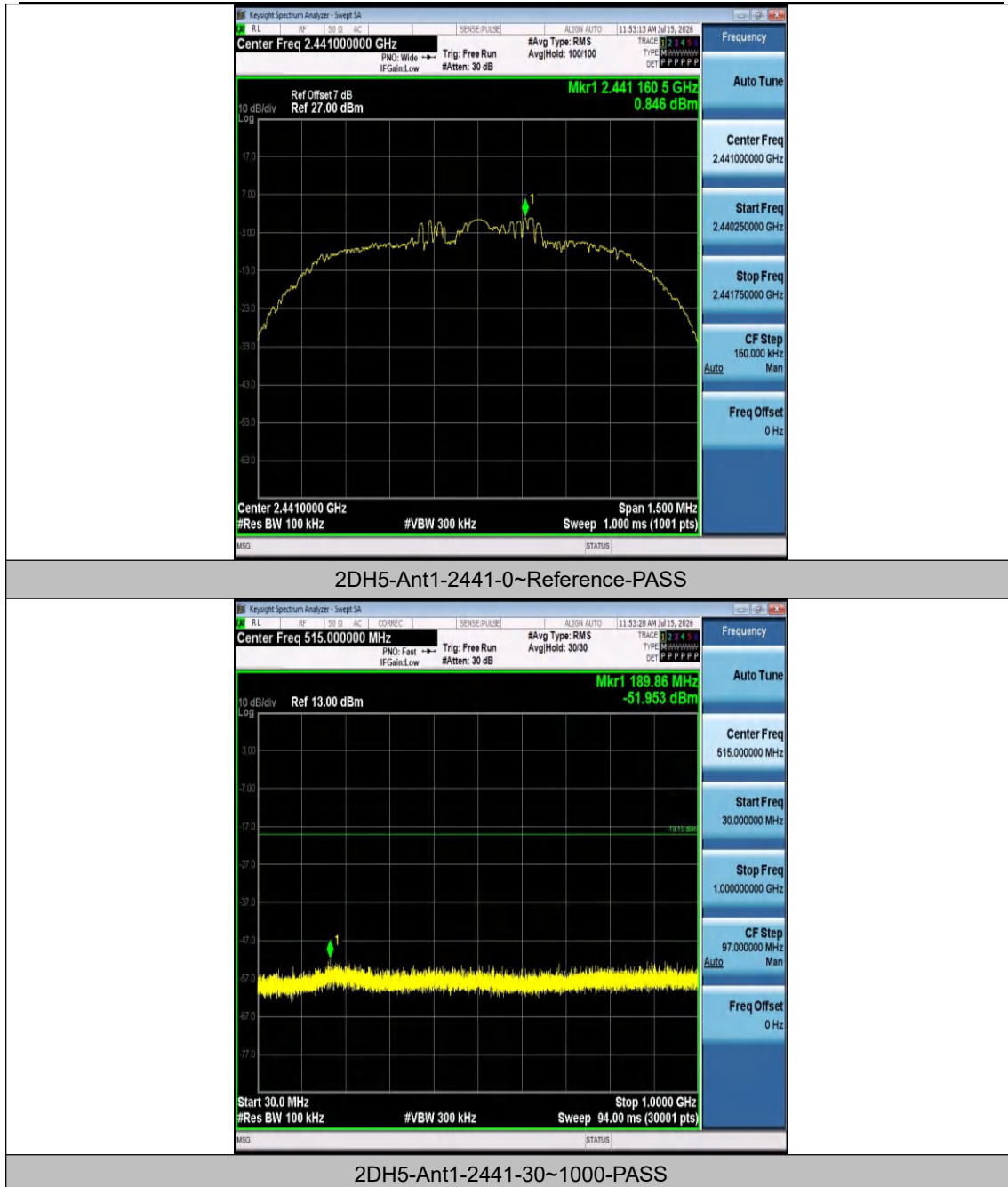




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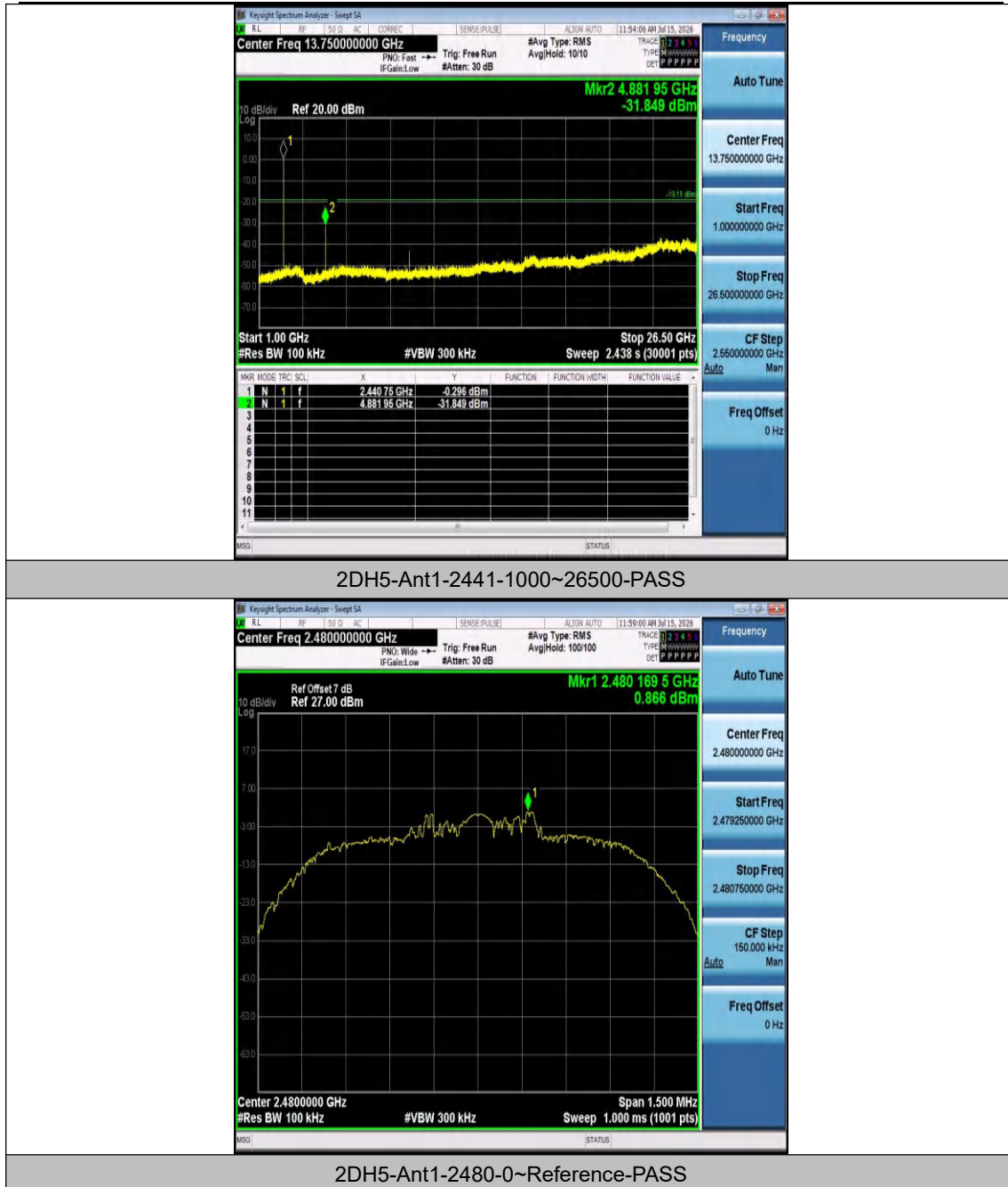
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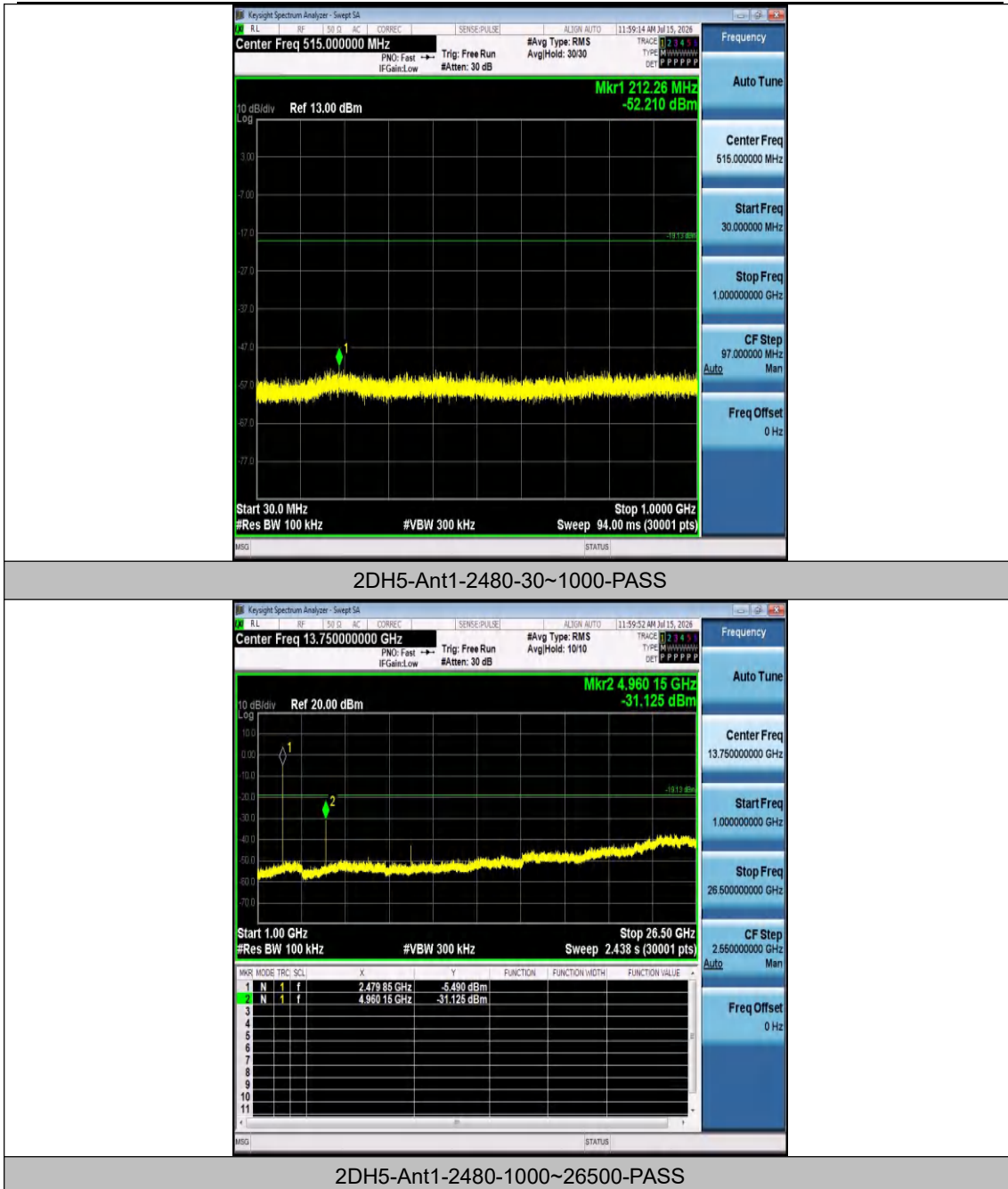
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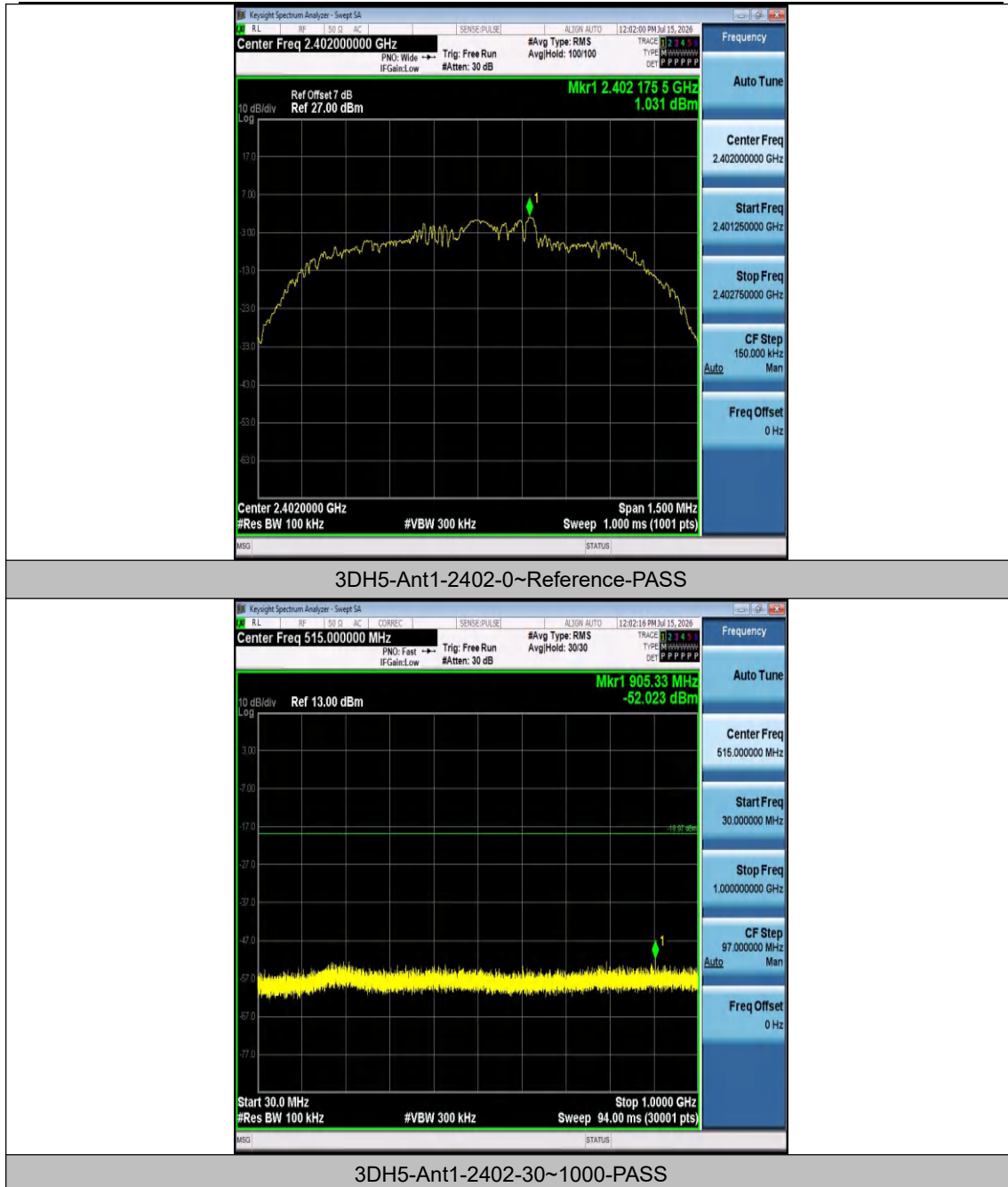
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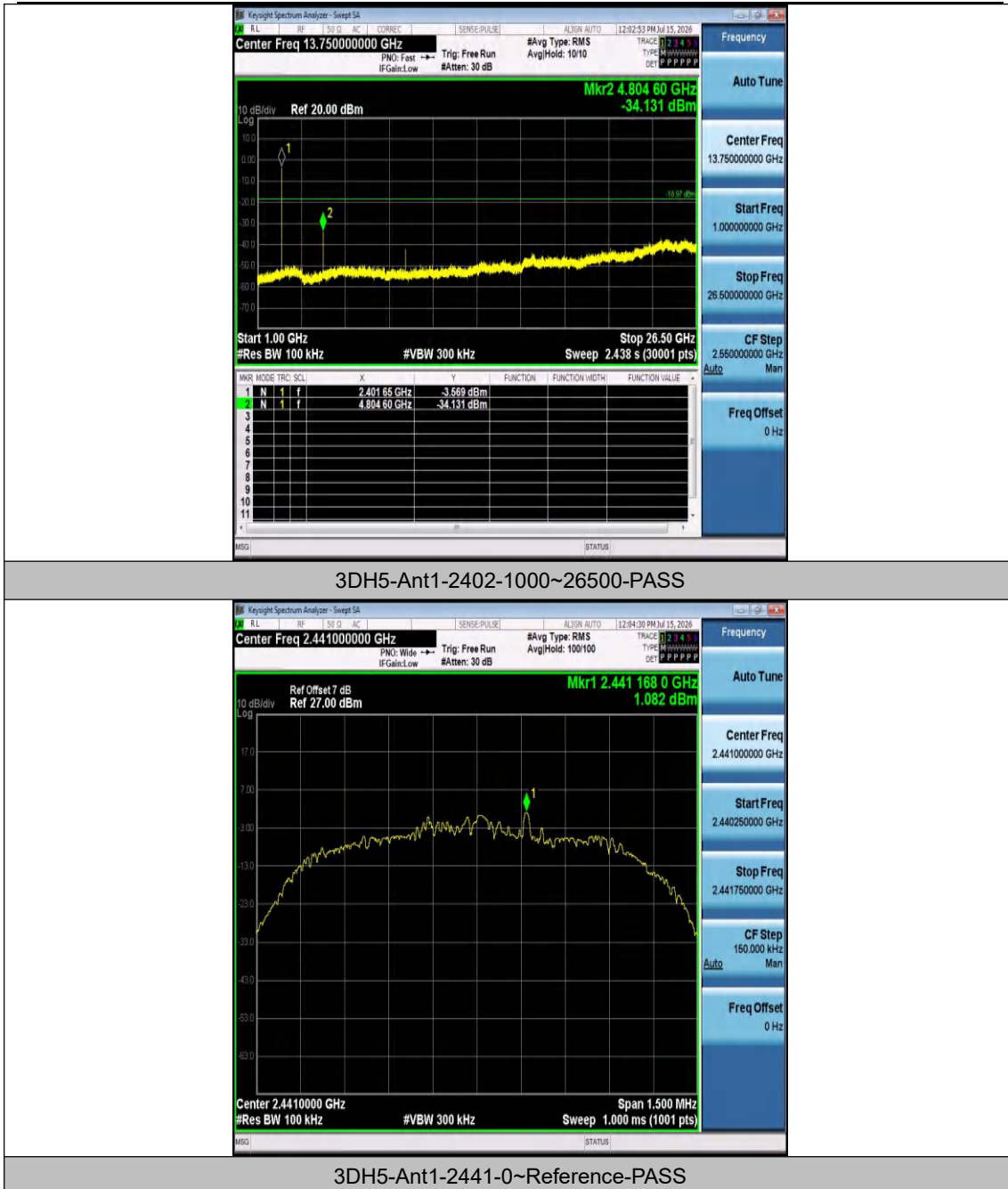
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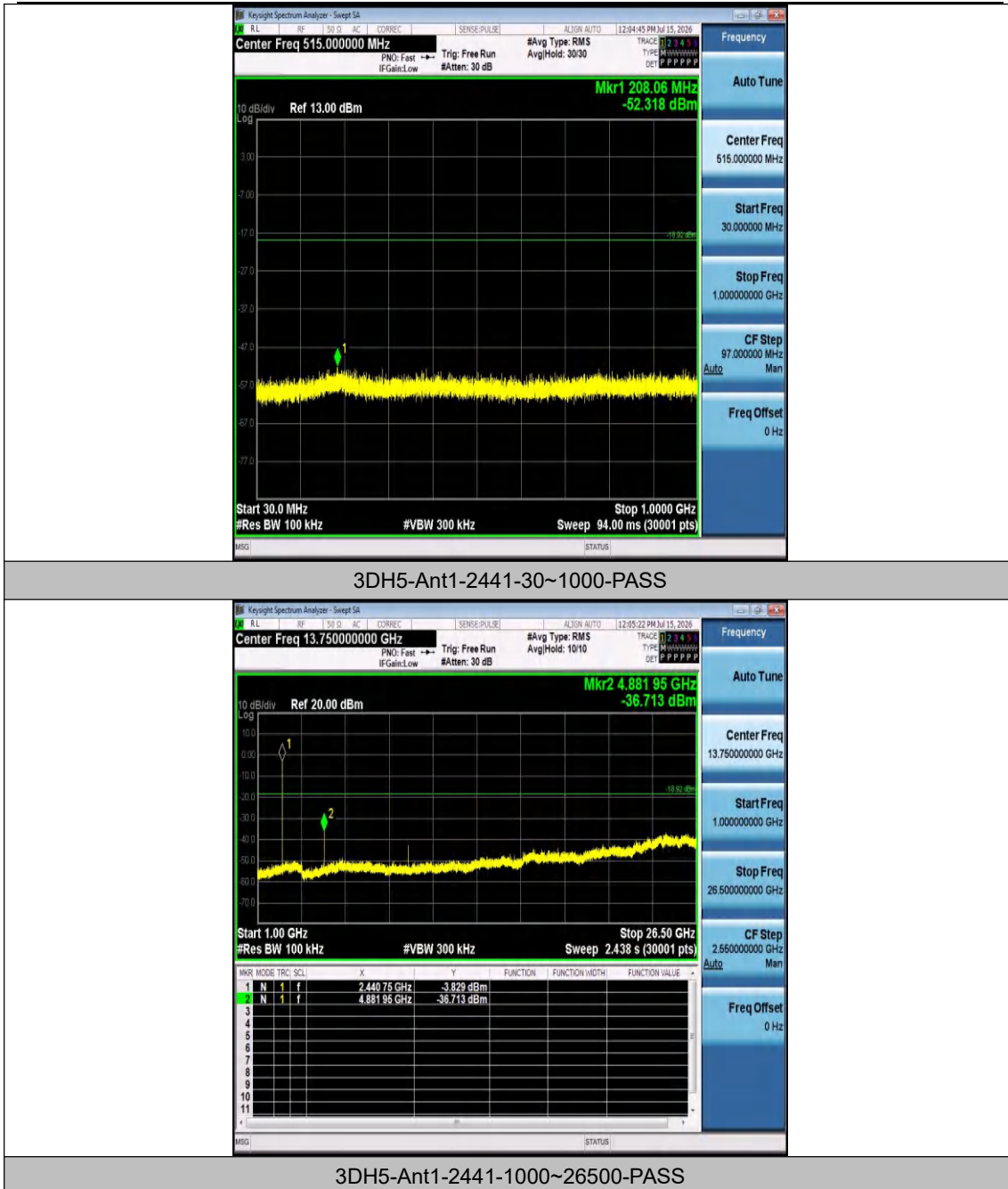


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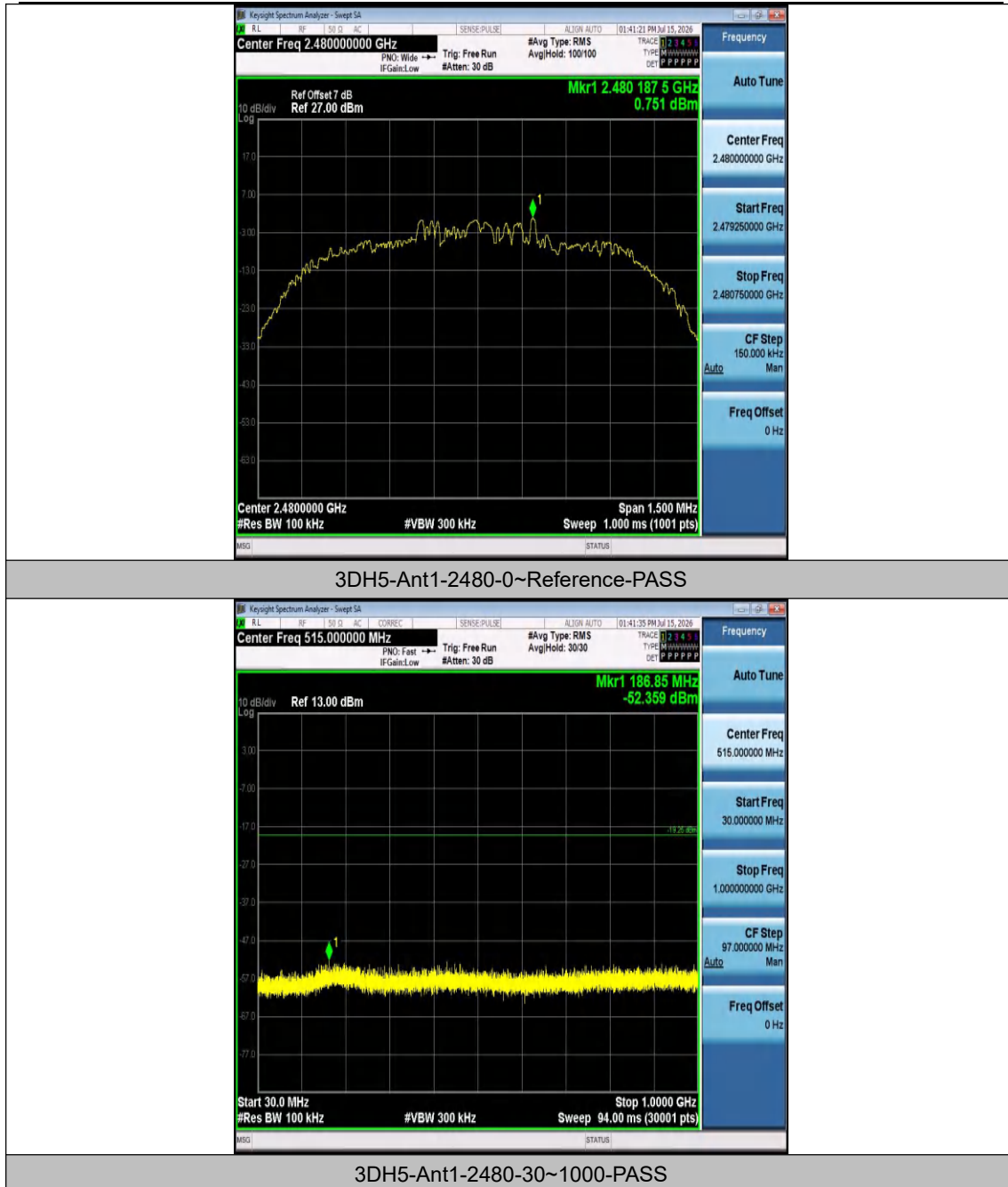




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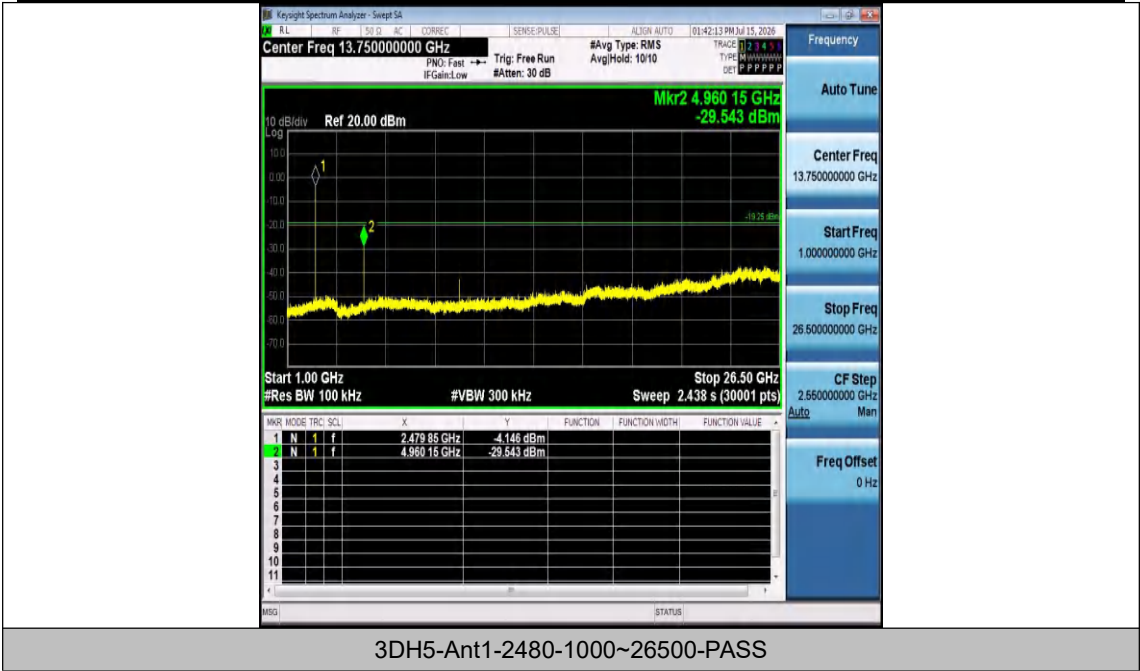
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3DH5-Ant1-2480-1000~26500-PASS

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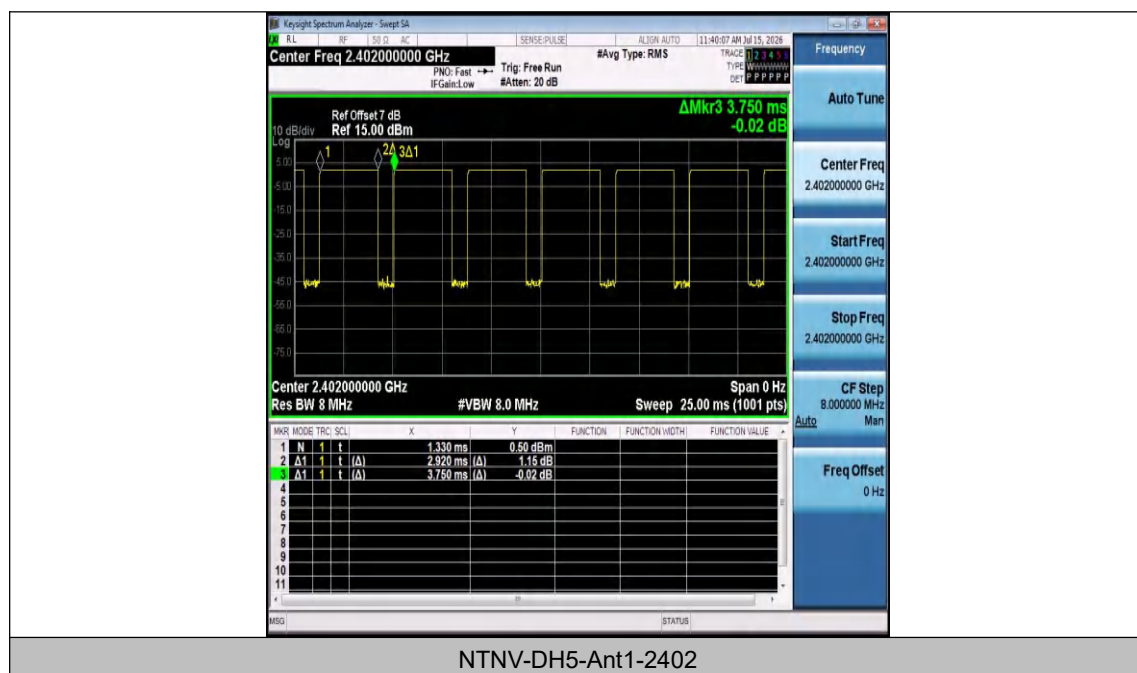
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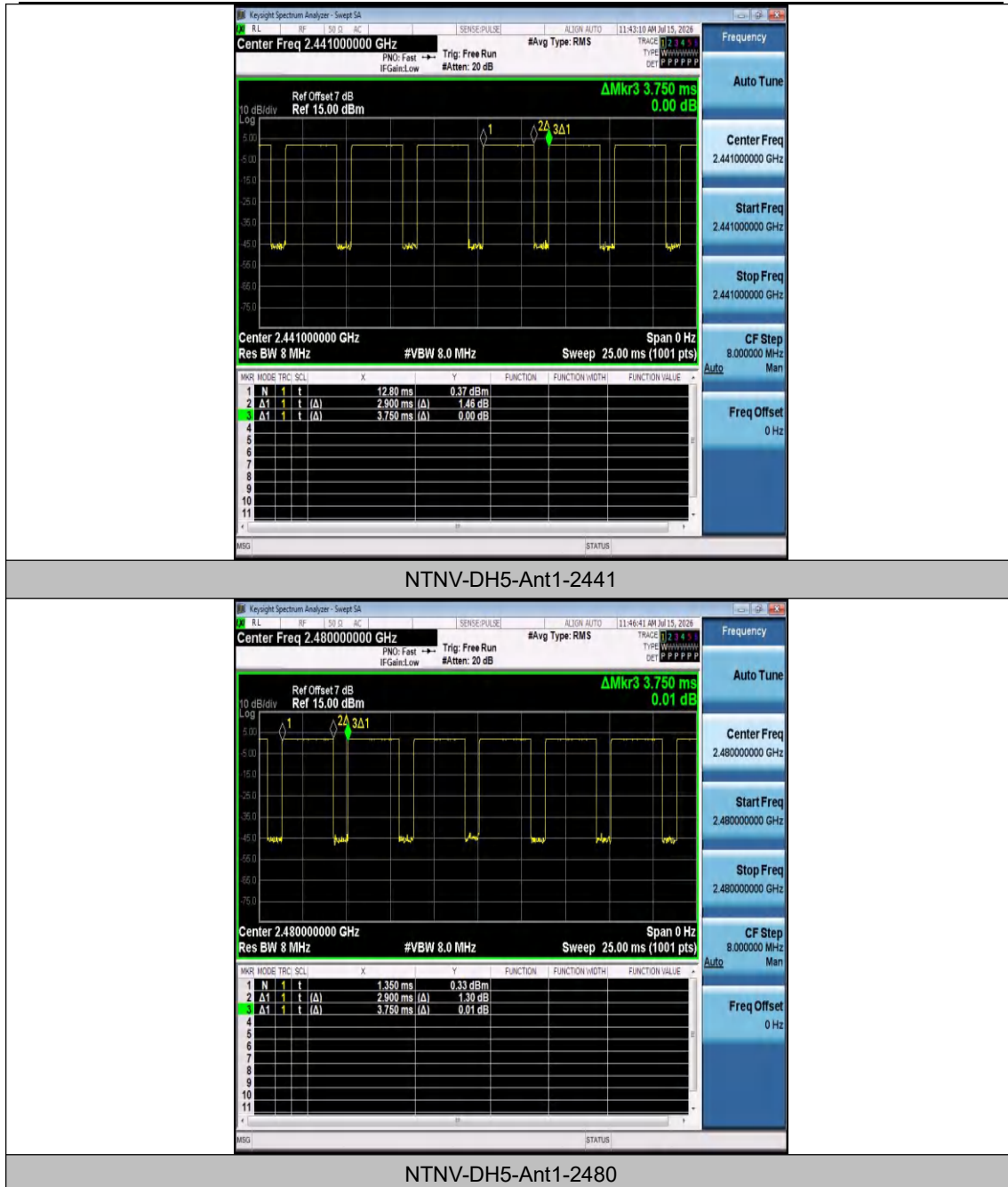
Appendix I: Duty Cycle

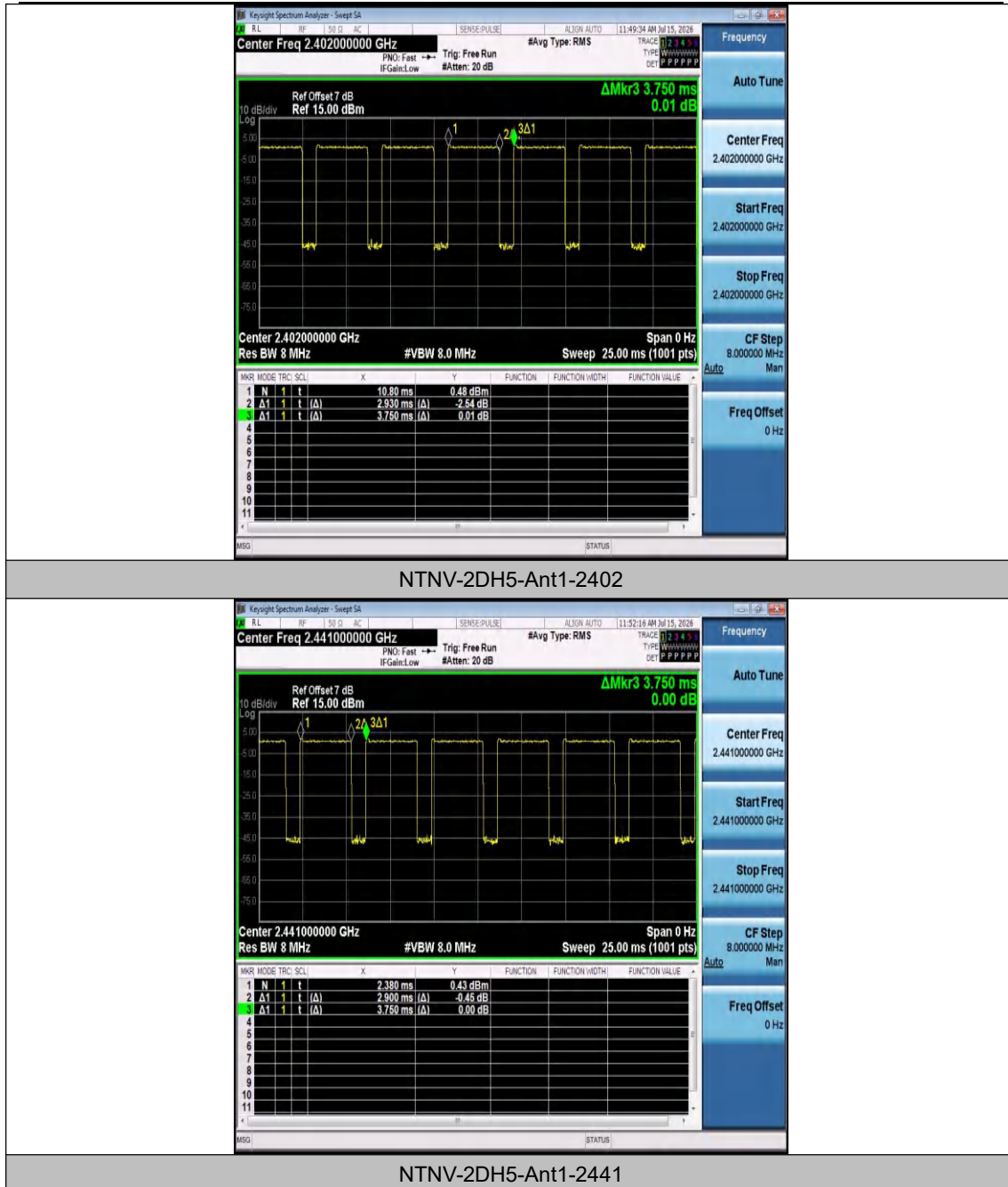
Test Result

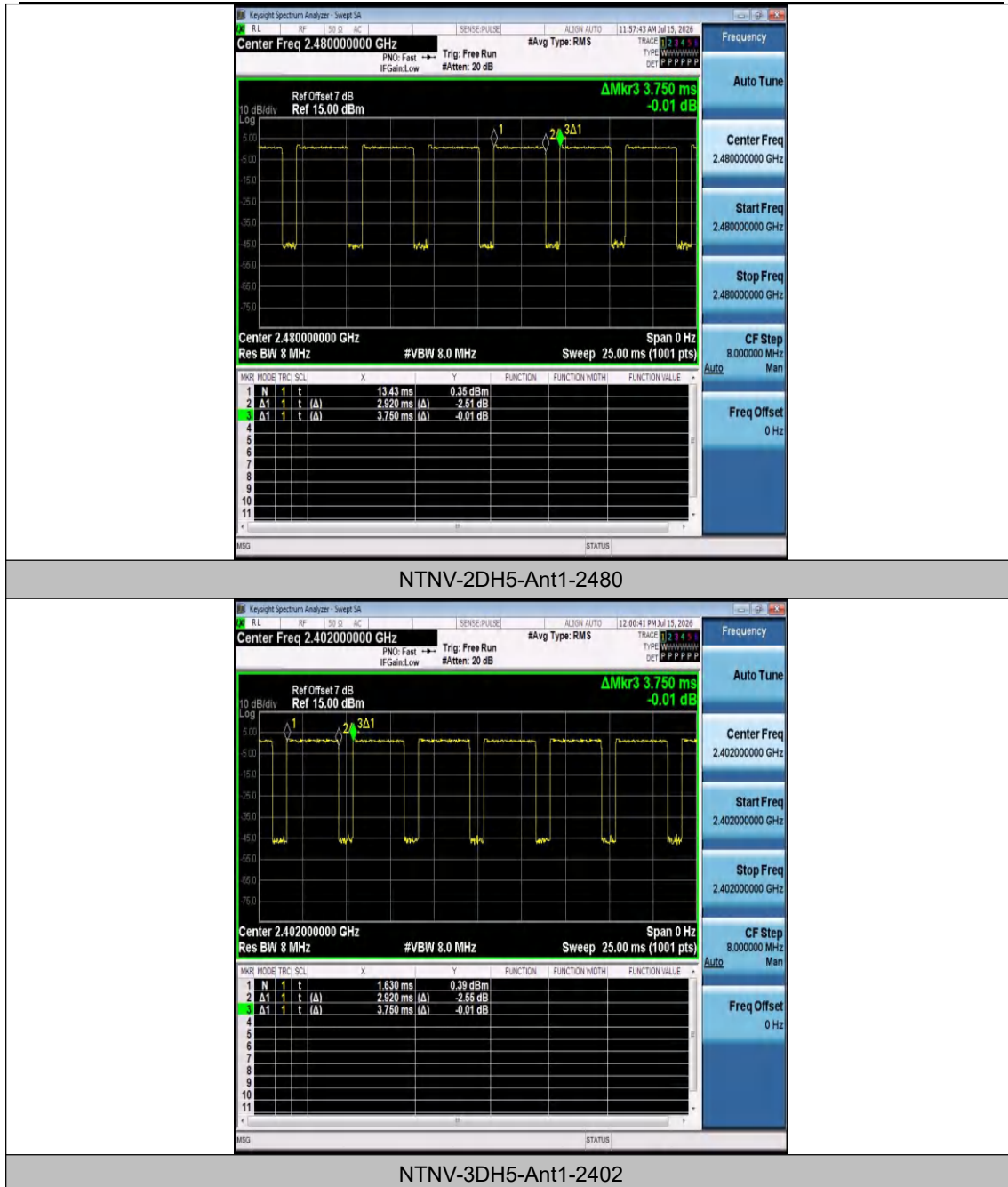
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.92	3.75	77.87	1.09
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.93	3.75	78.13	1.07
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.93	3.75	78.13	1.07

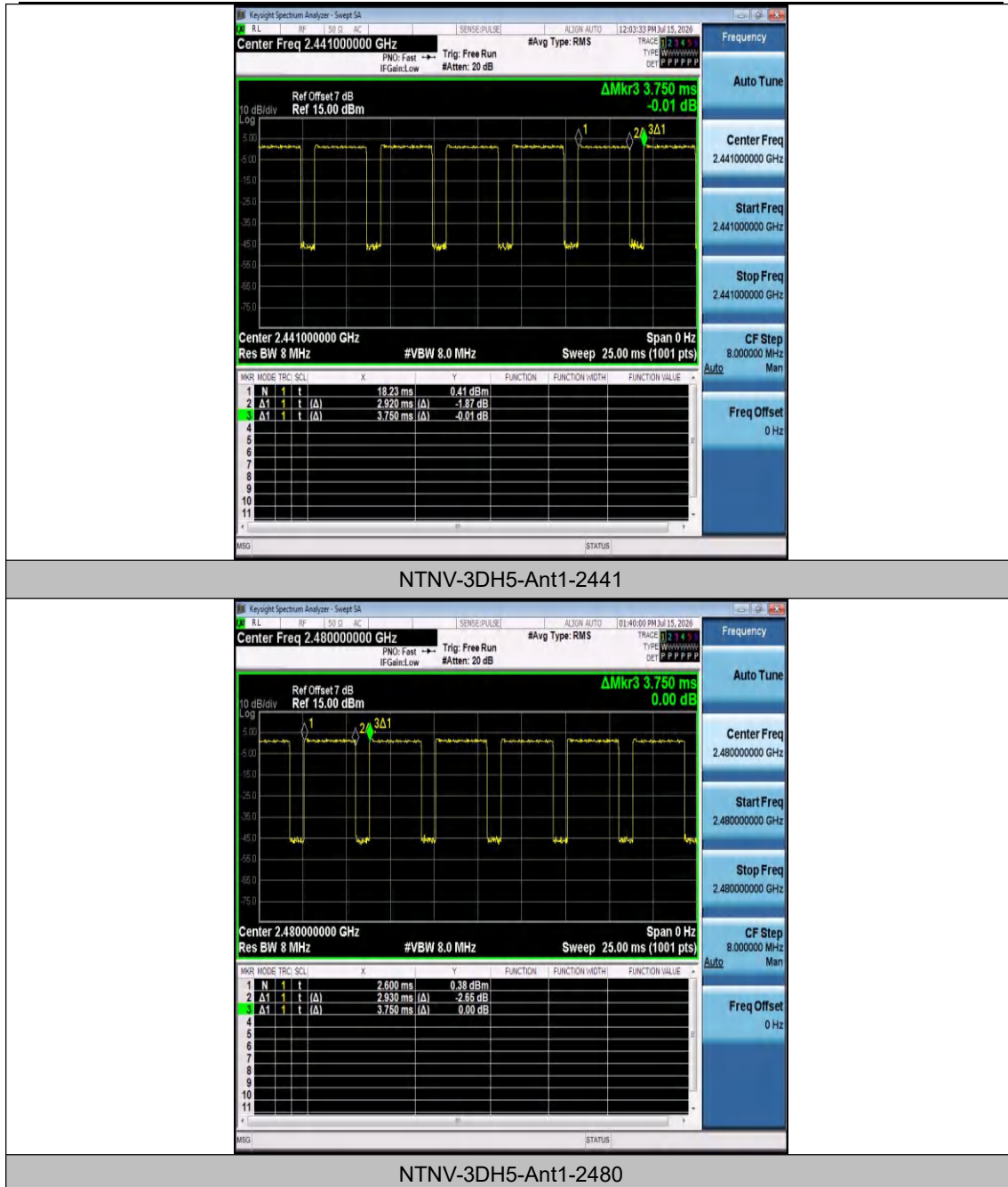
Test Graphs











---End---