

Appendix Test Data

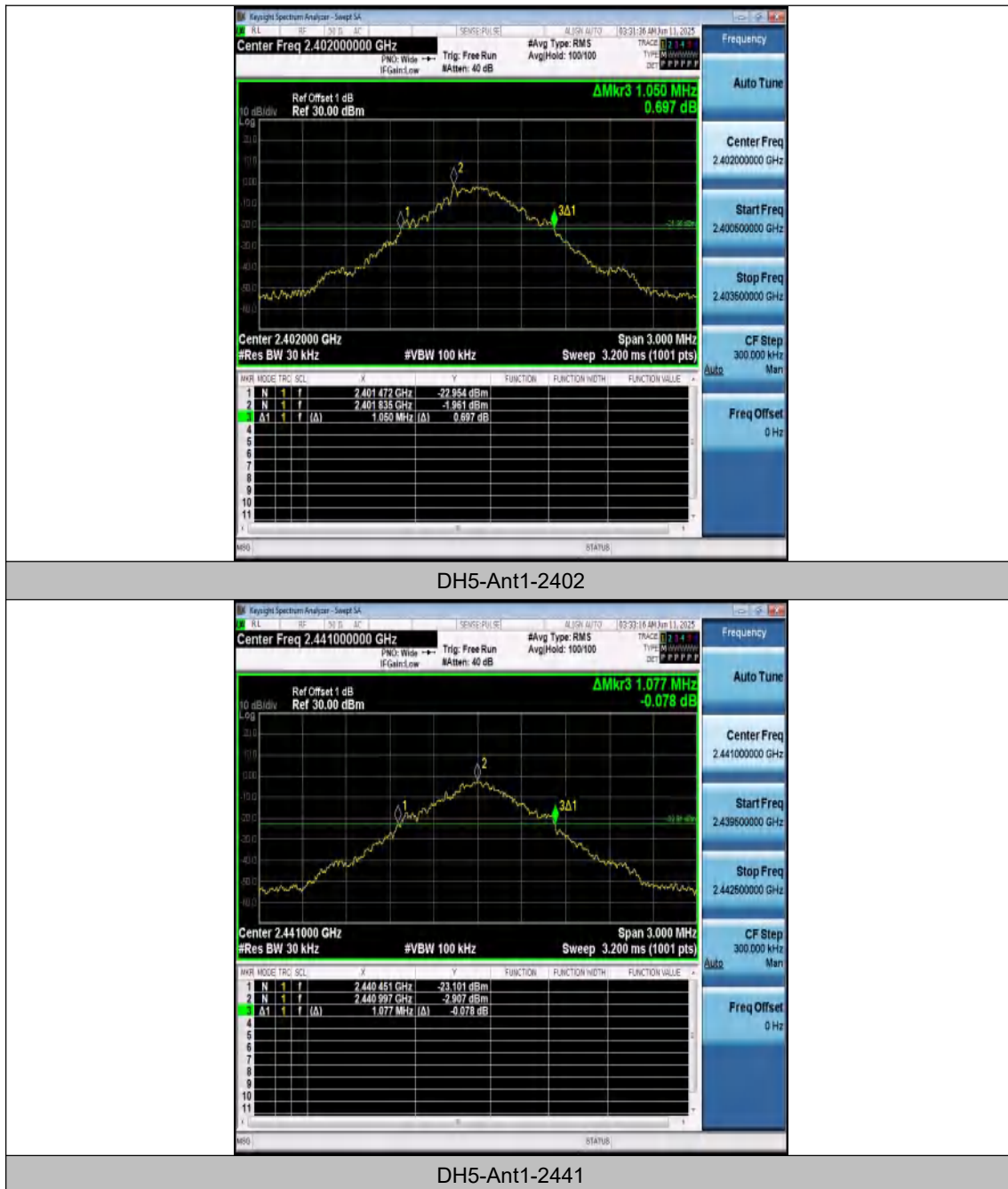
Report No.:	1812C50269812501	Test Sample No.:	1-2-2
Start Test Date:	2025-06-11	Finish Test Date:	2025-06-11
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.8°C	Relative Humidity:	53%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.050	2401.472	2402.522	---	---
DH5	Ant1	2441	1.077	2440.451	2441.528	---	---
DH5	Ant1	2480	1.047	2479.478	2480.525	---	---
2DH5	Ant1	2402	1.347	2401.331	2402.678	---	---
2DH5	Ant1	2441	1.362	2440.331	2441.693	---	---
2DH5	Ant1	2480	1.365	2479.322	2480.687	---	---
3DH5	Ant1	2402	1.341	2401.325	2402.666	---	---
3DH5	Ant1	2441	1.353	2440.322	2441.675	---	---
3DH5	Ant1	2480	1.314	2479.340	2480.654	---	---

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	0.95343	2401.5190	2402.4724	---	---
DH5	Ant1	2441	0.97722	2440.5080	2441.4852	---	---
DH5	Ant1	2480	0.98588	2479.5063	2480.4922	---	---
2DH5	Ant1	2402	1.2424	2401.3912	2402.6336	---	---
2DH5	Ant1	2441	1.2556	2440.3786	2441.6342	---	---
2DH5	Ant1	2480	1.2559	2479.3747	2480.6306	---	---
3DH5	Ant1	2402	1.2407	2401.3780	2402.6187	---	---
3DH5	Ant1	2441	1.2442	2440.3766	2441.6208	---	---
3DH5	Ant1	2480	1.2421	2479.3759	2480.6180	---	---

Test Graphs



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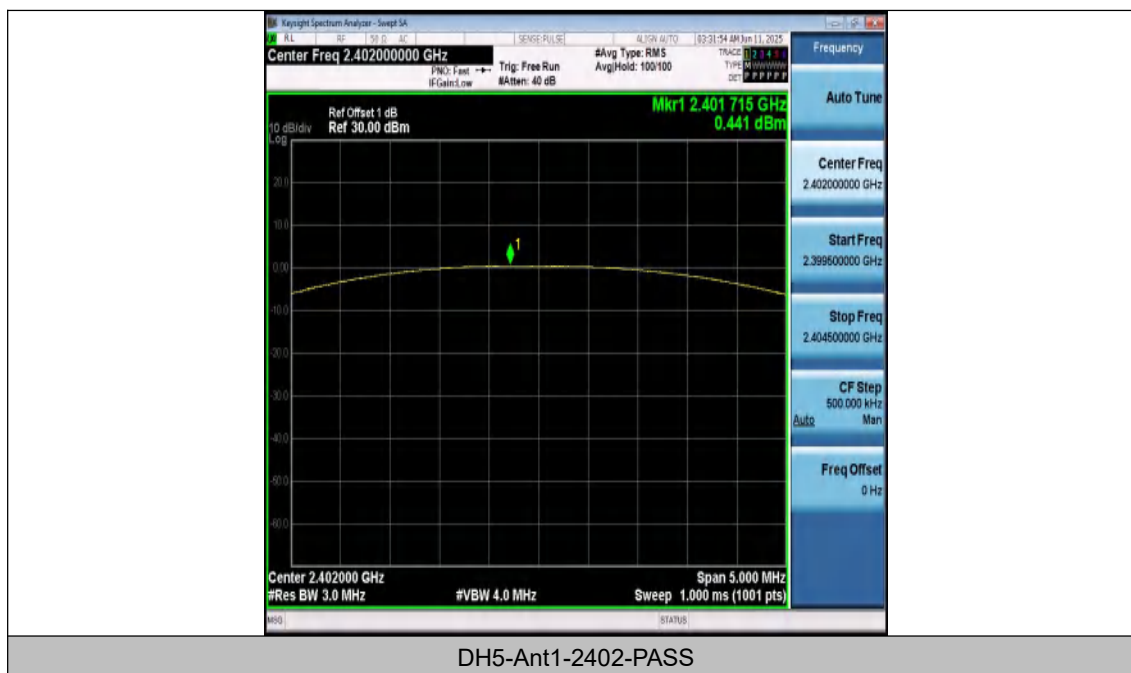
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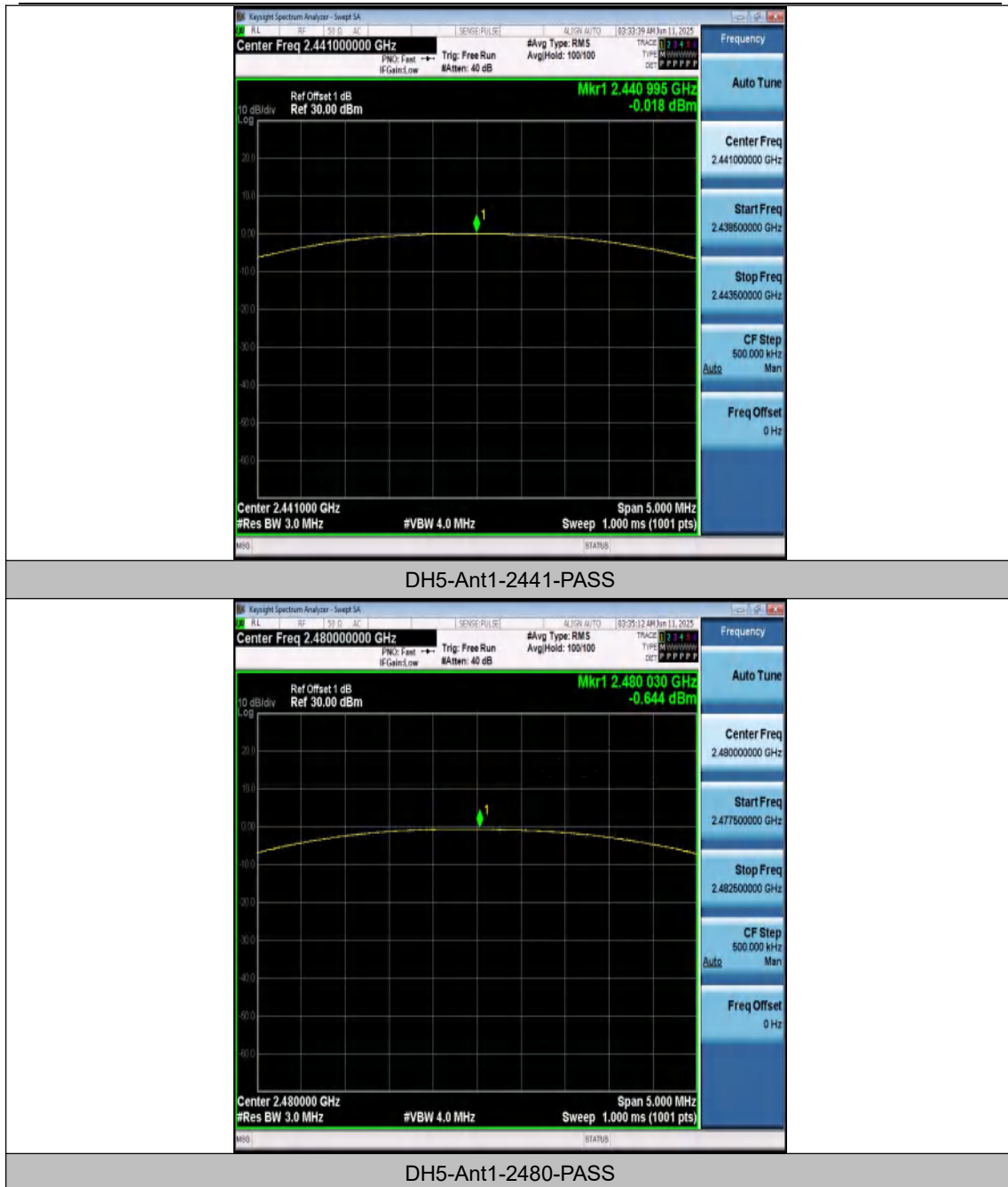
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.44	≤20.97	PASS
DH5	Ant1	2441	-0.02	≤20.97	PASS
DH5	Ant1	2480	-0.64	≤20.97	PASS
2DH5	Ant1	2402	0.99	≤20.97	PASS
2DH5	Ant1	2441	0.61	≤20.97	PASS
2DH5	Ant1	2480	-0.01	≤20.97	PASS
3DH5	Ant1	2402	1.20	≤20.97	PASS
3DH5	Ant1	2441	0.85	≤20.97	PASS
3DH5	Ant1	2480	0.31	≤20.97	PASS

Test Graphs

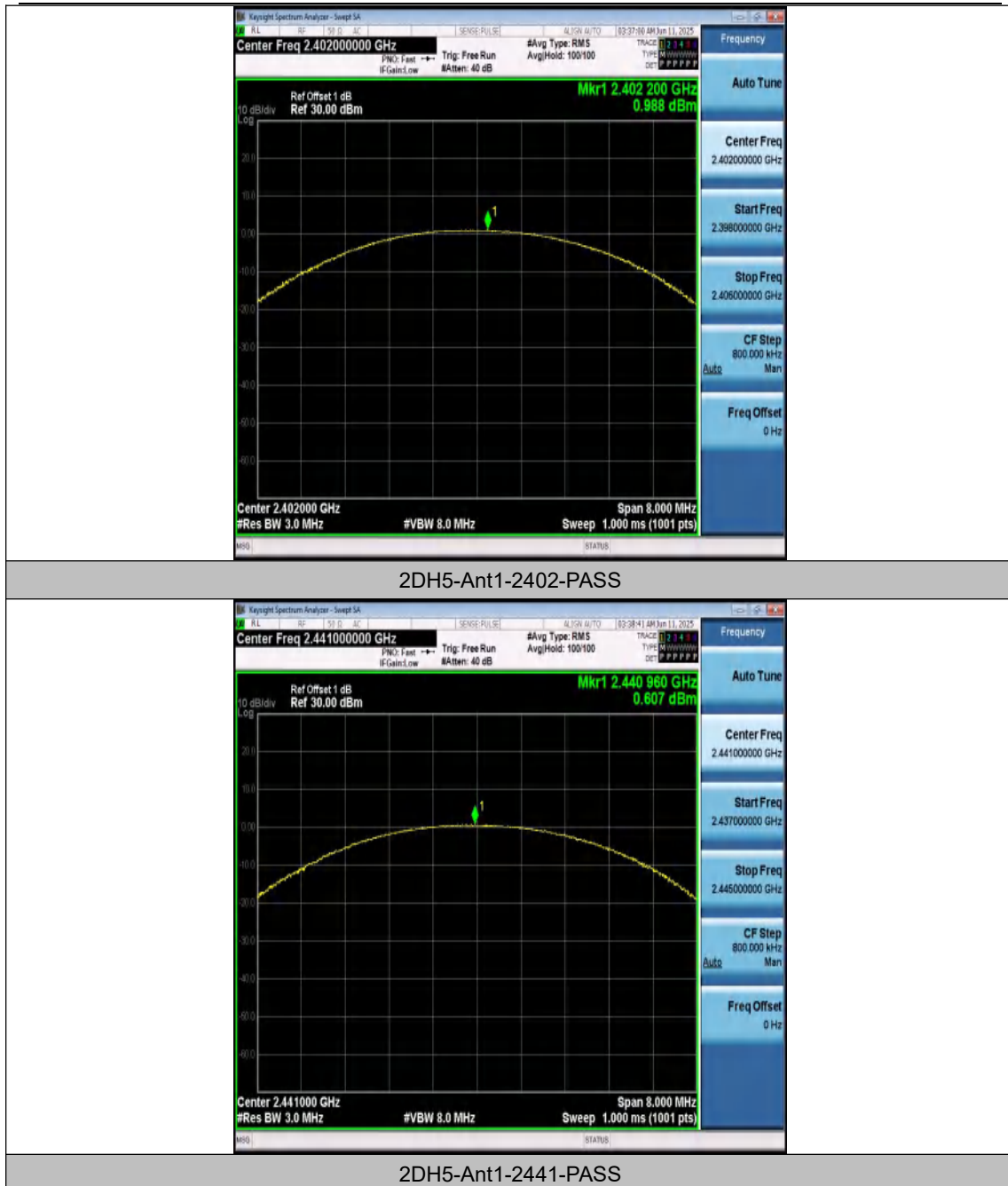




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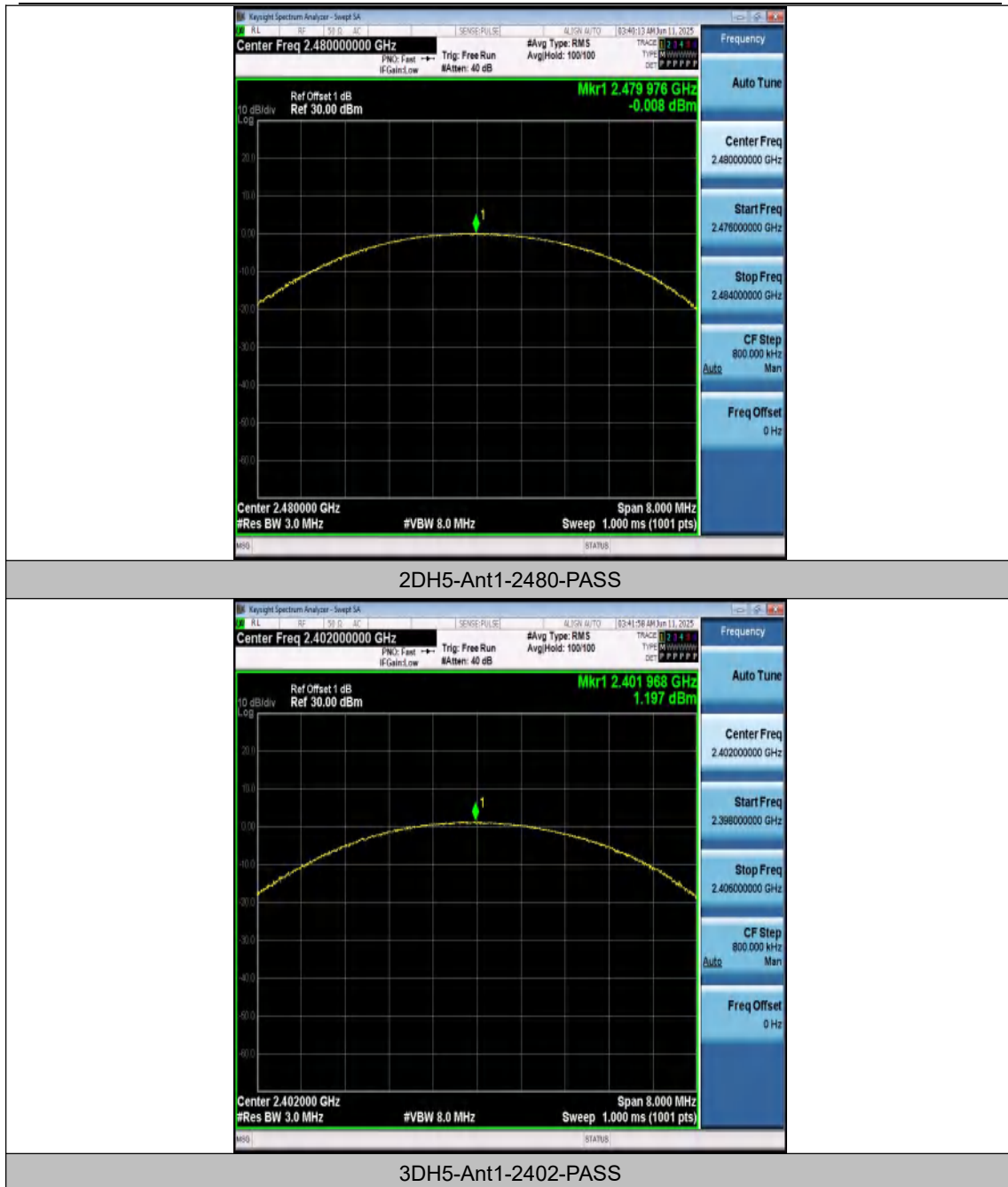


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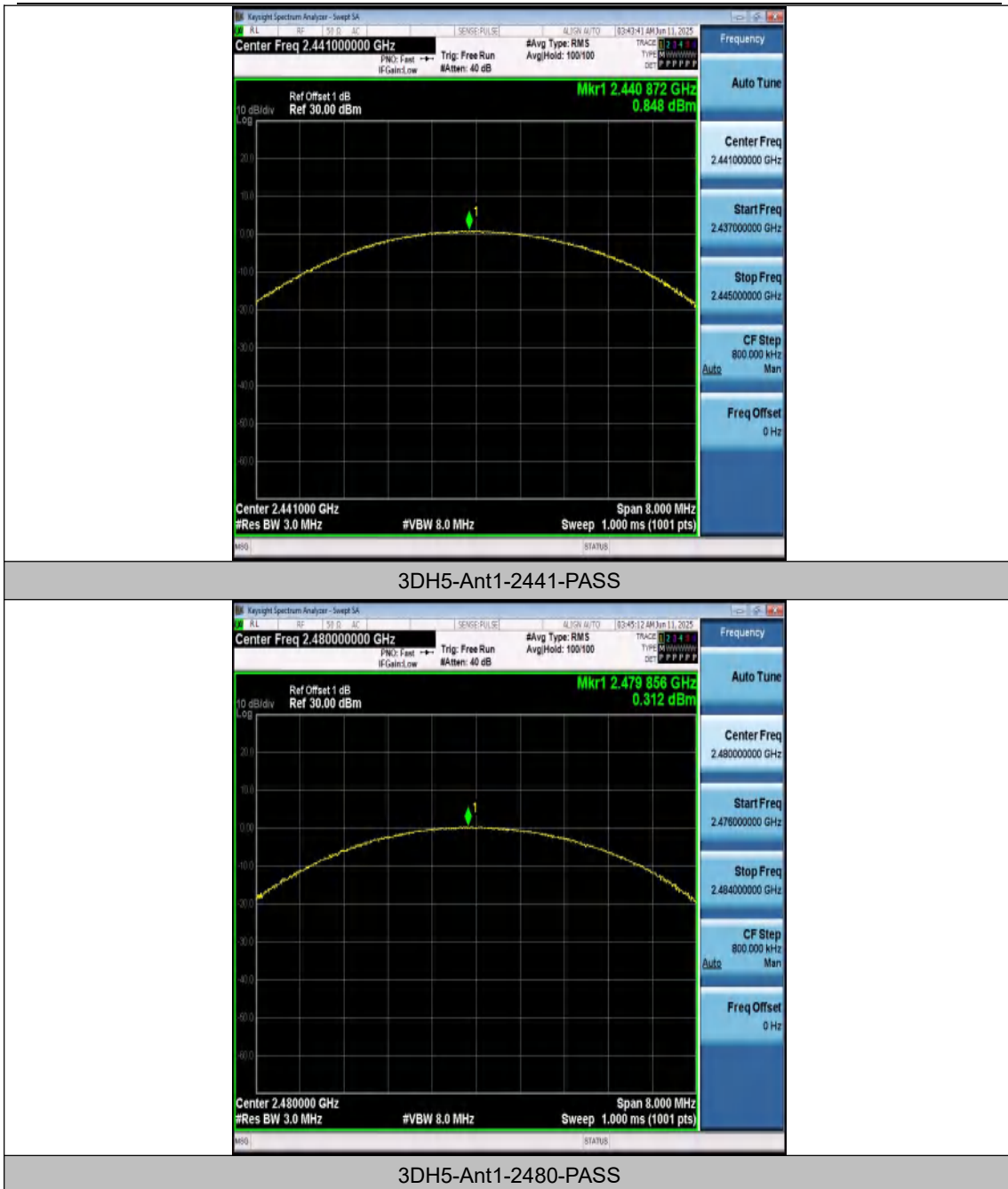
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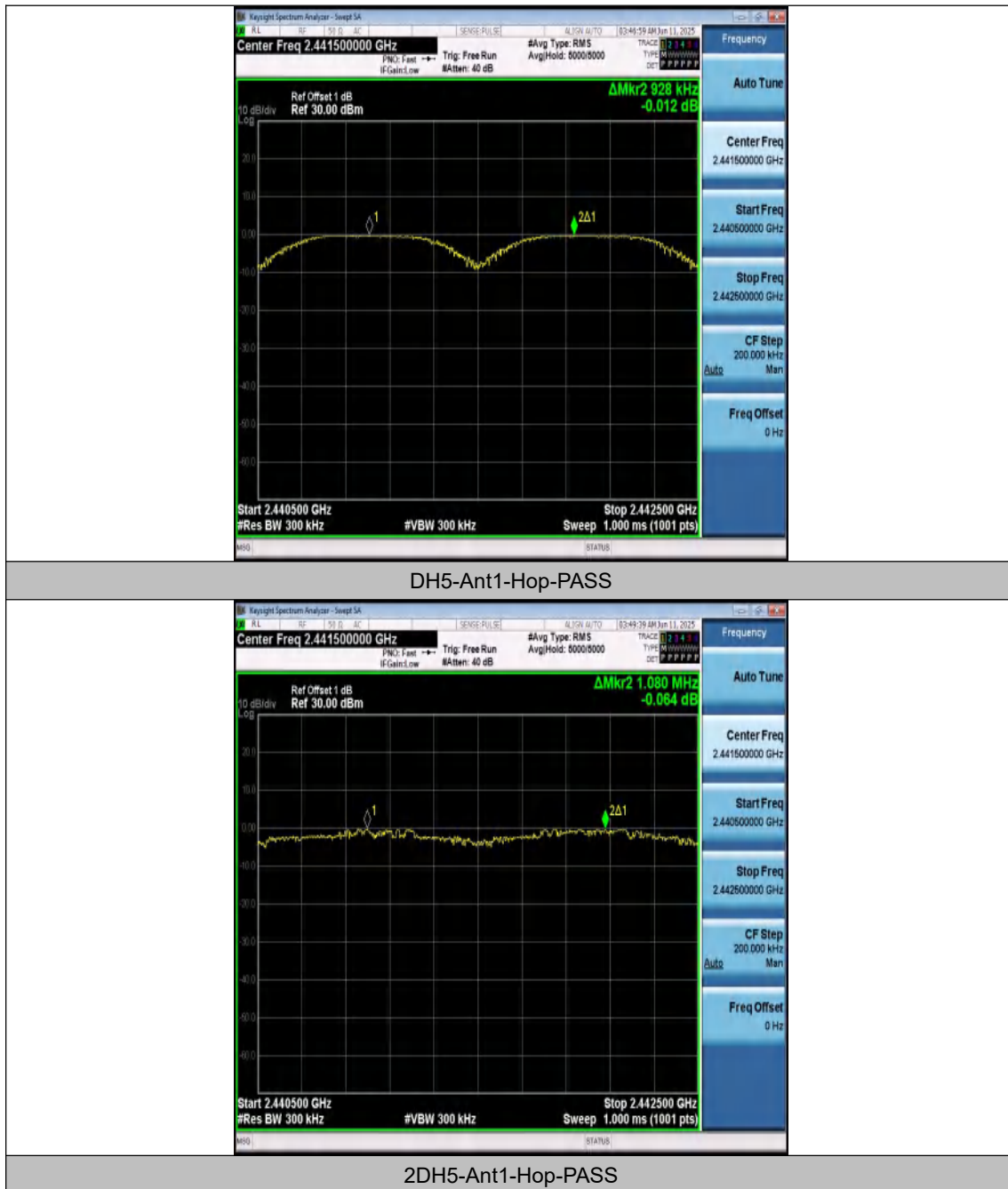
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.928	≥0.718	PASS
2DH5	Ant1	Hop	1.08	≥0.910	PASS
3DH5	Ant1	Hop	0.96	≥0.902	PASS

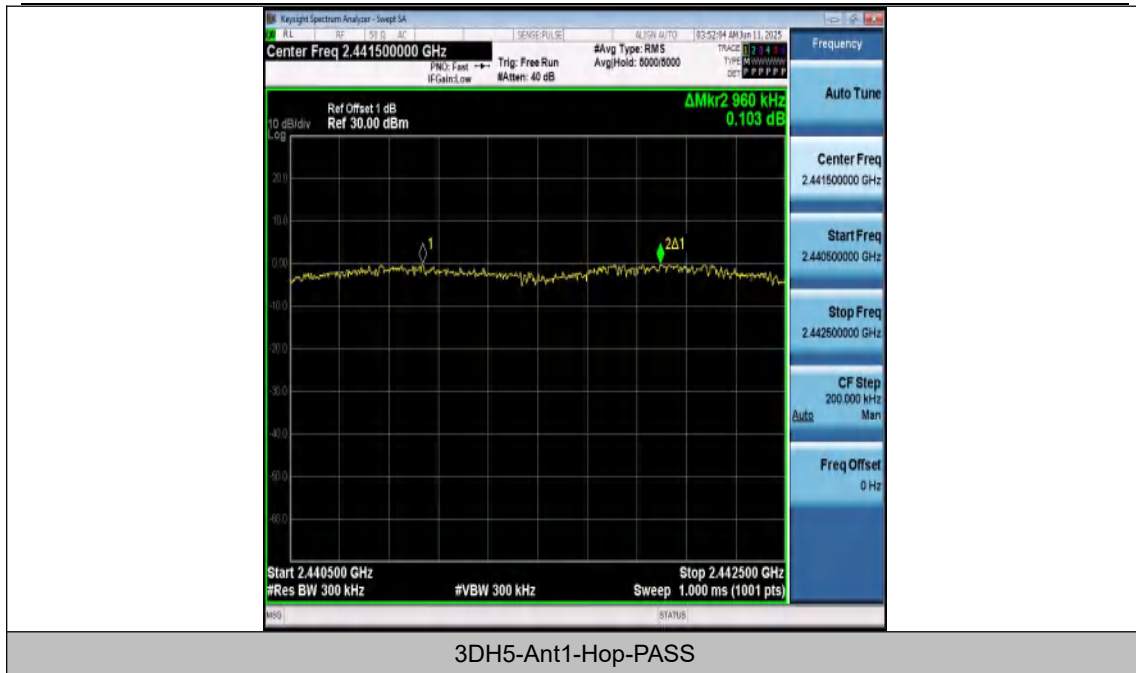
Test Graphs



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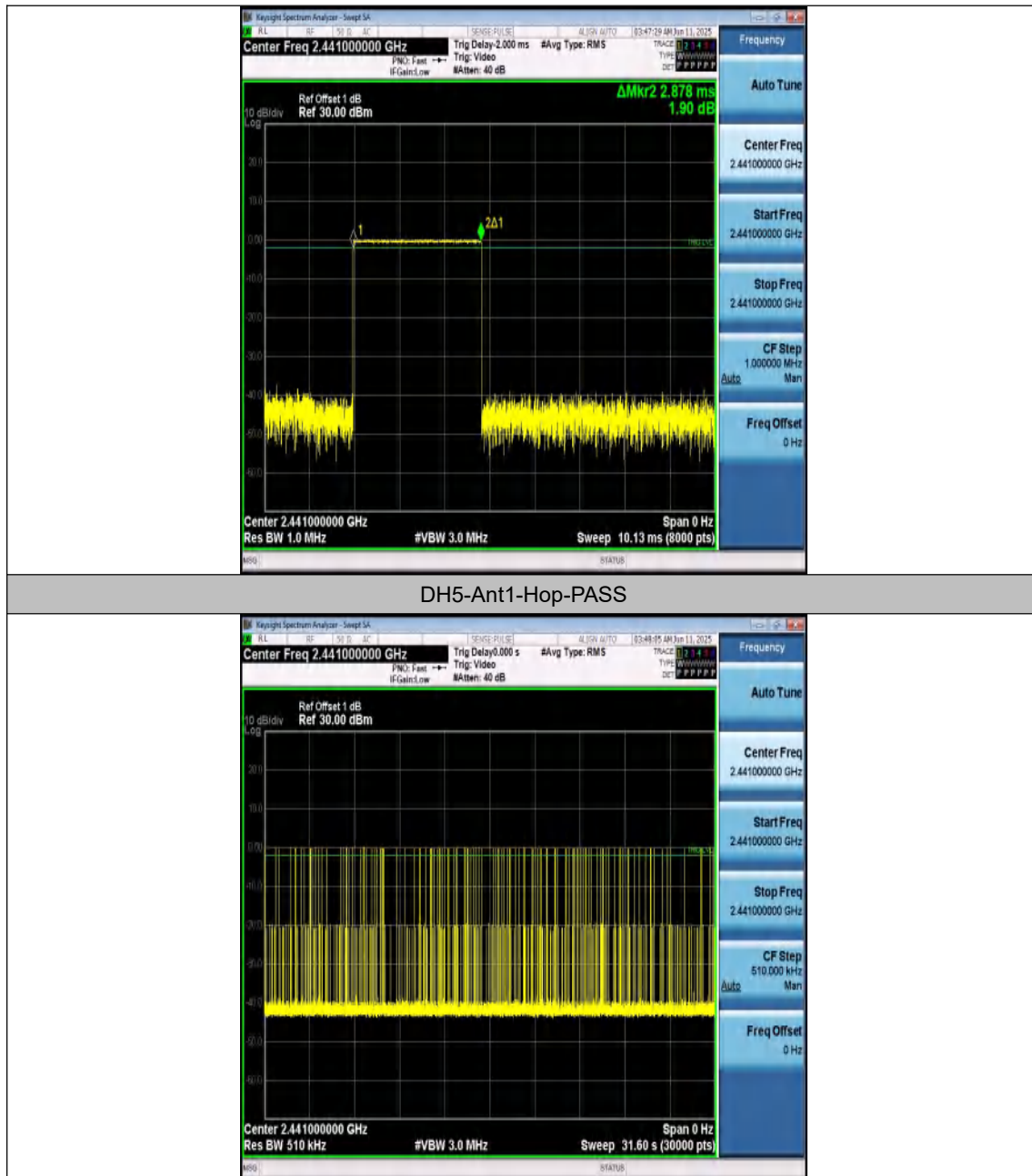
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	111	0.319	≤0.4	PASS
2DH5	Ant1	Hop	2.884	107	0.309	≤0.4	PASS
3DH5	Ant1	Hop	2.887	88	0.254	≤0.4	PASS

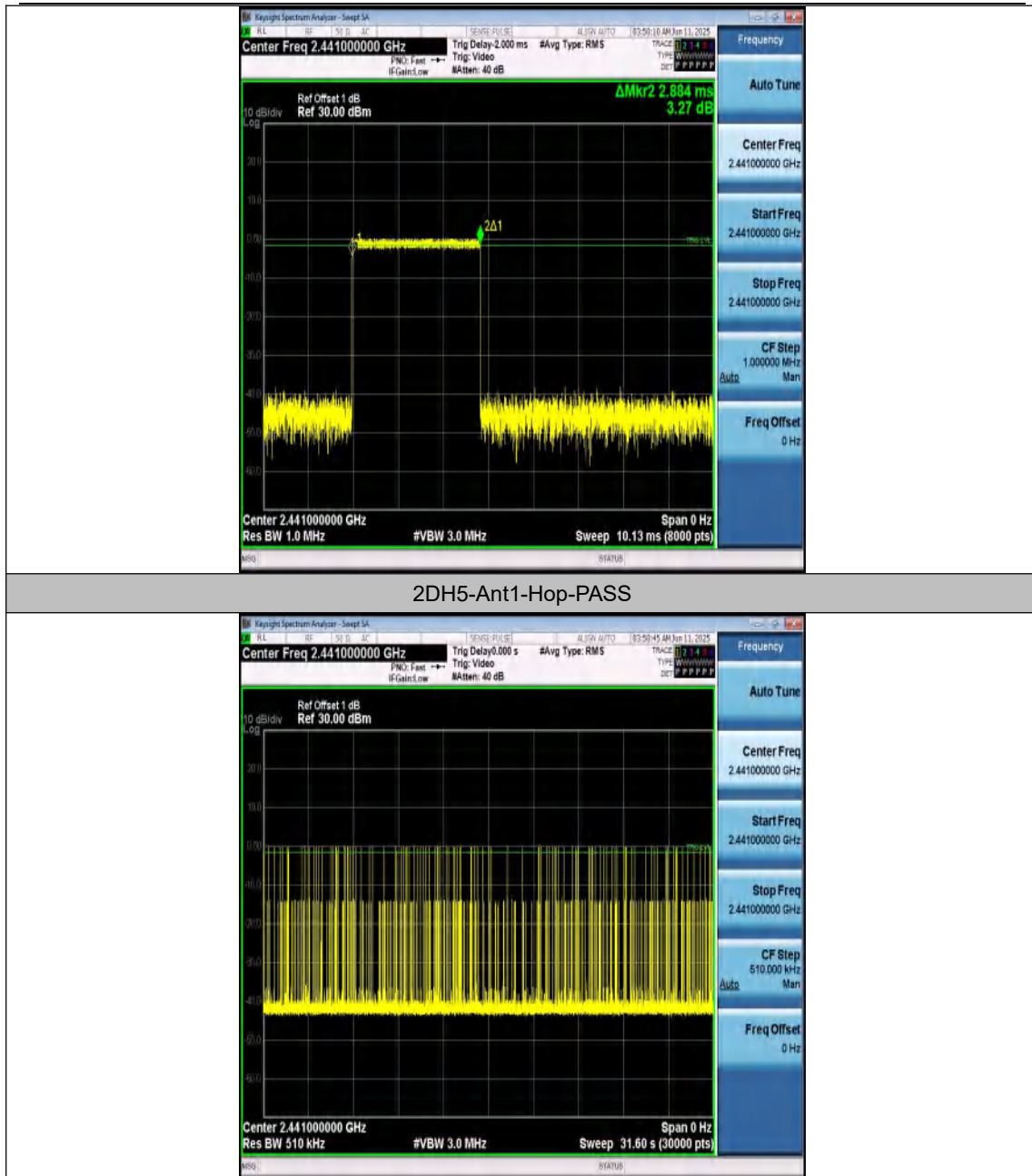
Test Graphs



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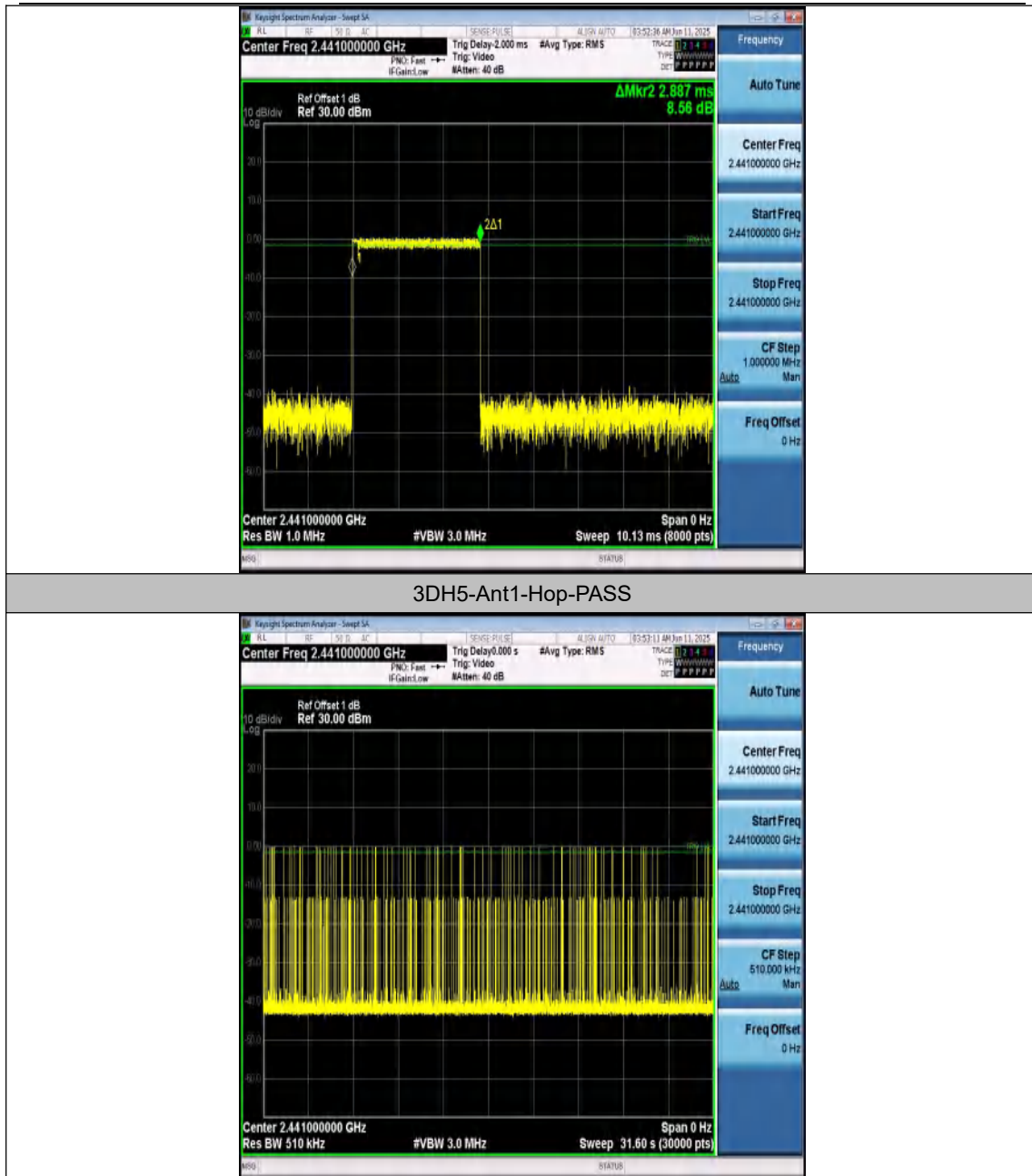
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3DH5-Ant1-Hop-PASS

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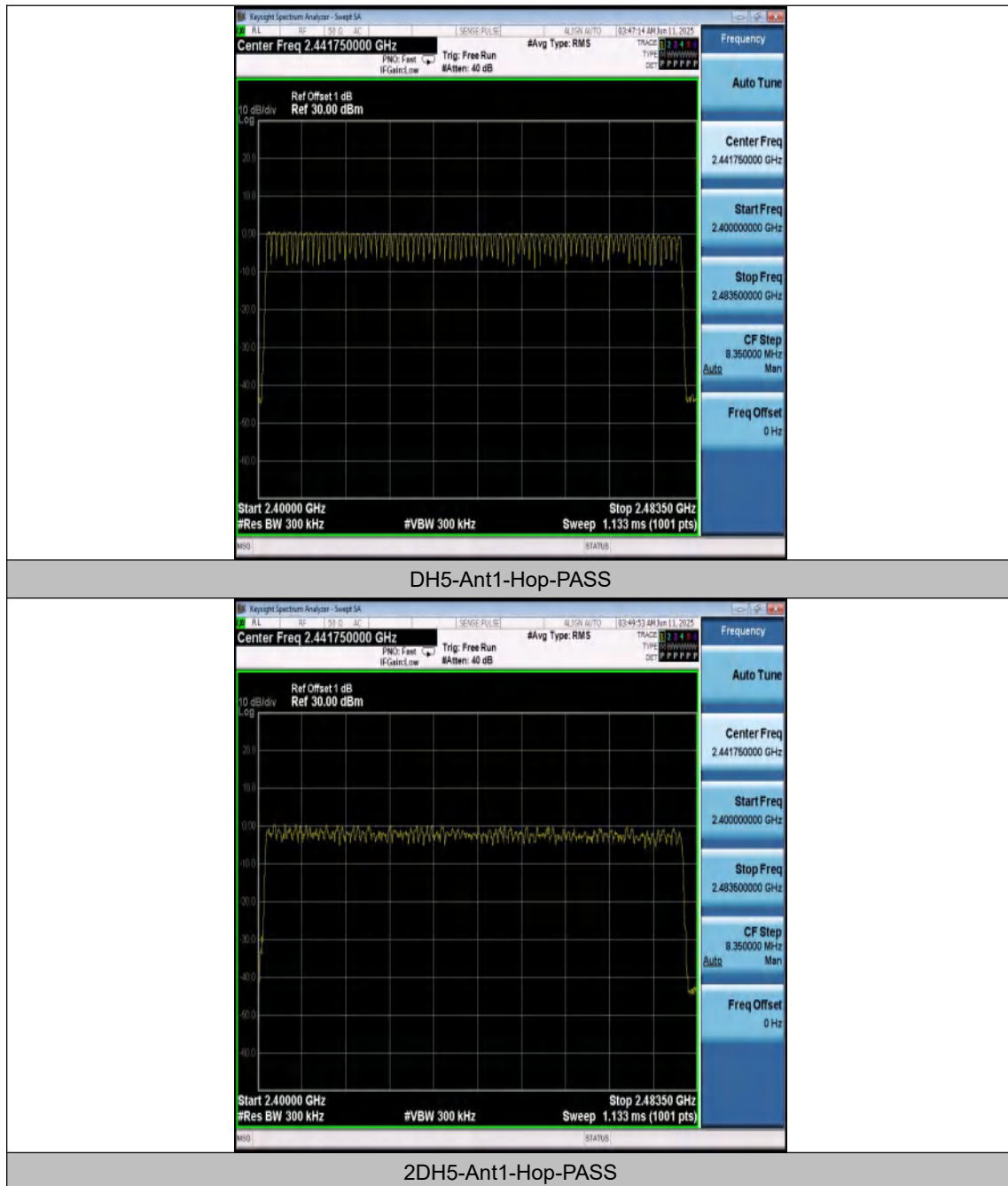
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Appendix F: Number of Hopping Channel

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

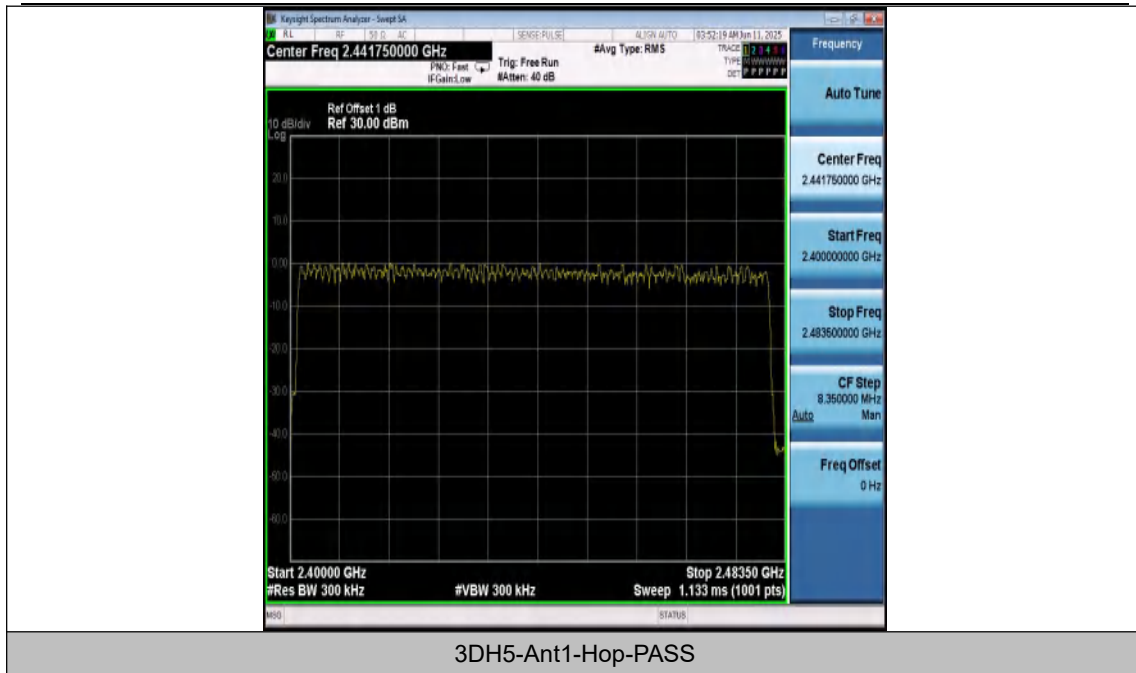
Test Graphs



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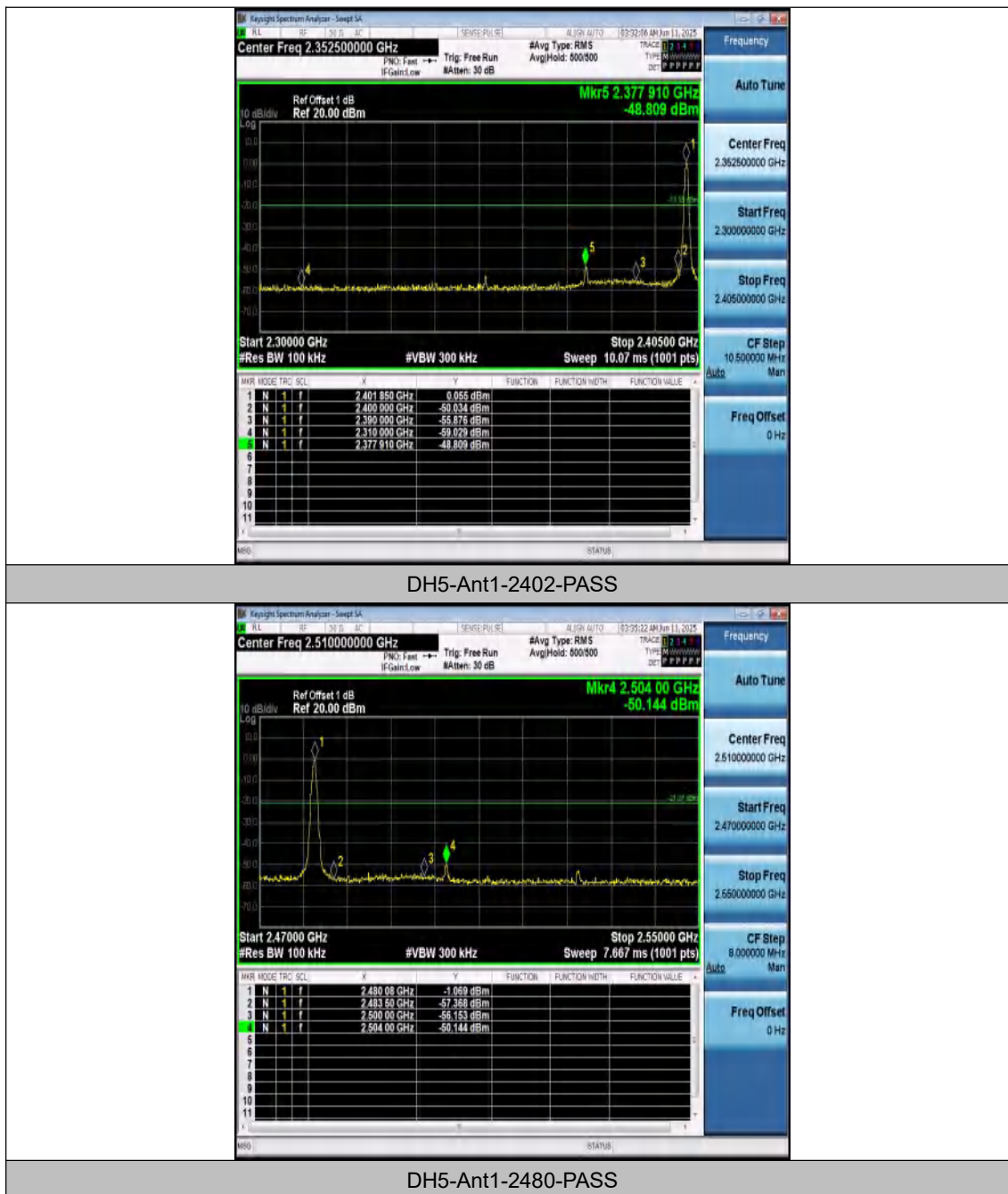
Appendix G: Conducted Band edge

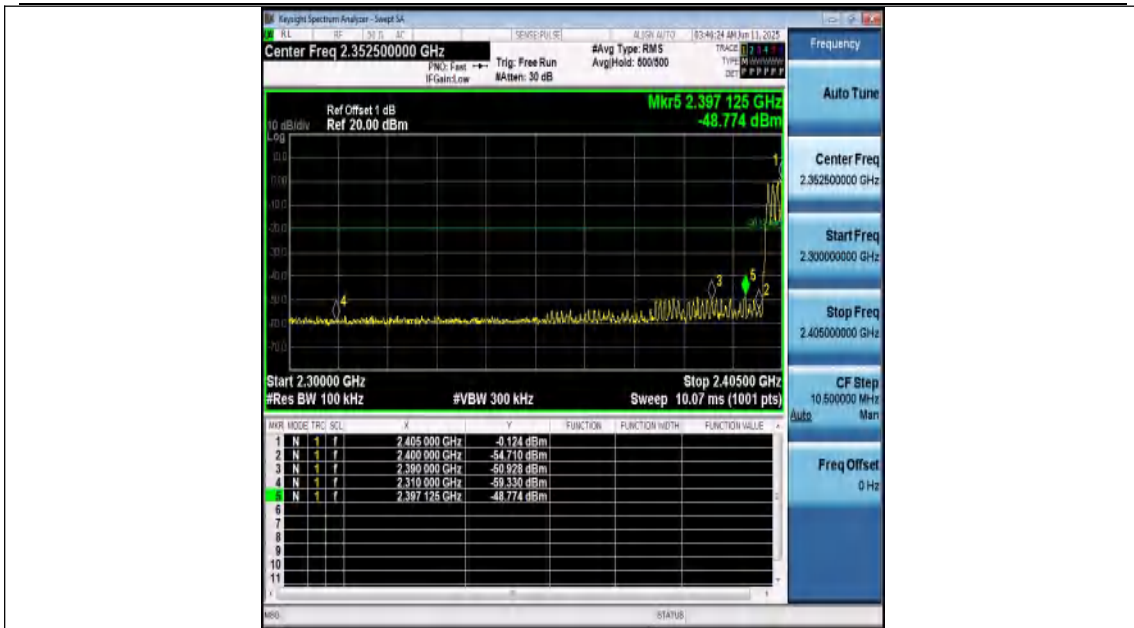
Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.06	-48.81	≤-19.95	PASS
DH5	Ant1	High	2480	-1.07	-50.14	≤-21.07	PASS
DH5	Ant1	Low	Hop_2402	-0.12	-48.77	≤-20.12	PASS
DH5	Ant1	High	Hop_2480	-0.81	-50.17	≤-20.81	PASS
2DH5	Ant1	Low	2402	0.08	-49.67	≤-19.92	PASS
2DH5	Ant1	High	2480	-1.14	-50.89	≤-21.14	PASS
2DH5	Ant1	Low	Hop_2402	-0.15	-49.76	≤-20.15	PASS
2DH5	Ant1	High	Hop_2480	-2.66	-52.42	≤-22.66	PASS
3DH5	Ant1	Low	2402	0.02	-50.02	≤-19.98	PASS
3DH5	Ant1	High	2480	-1.14	-37.99	≤-21.14	PASS
3DH5	Ant1	Low	Hop_2402	-3.63	-50.84	≤-23.63	PASS
3DH5	Ant1	High	Hop_2480	-1.64	-51.67	≤-21.64	PASS

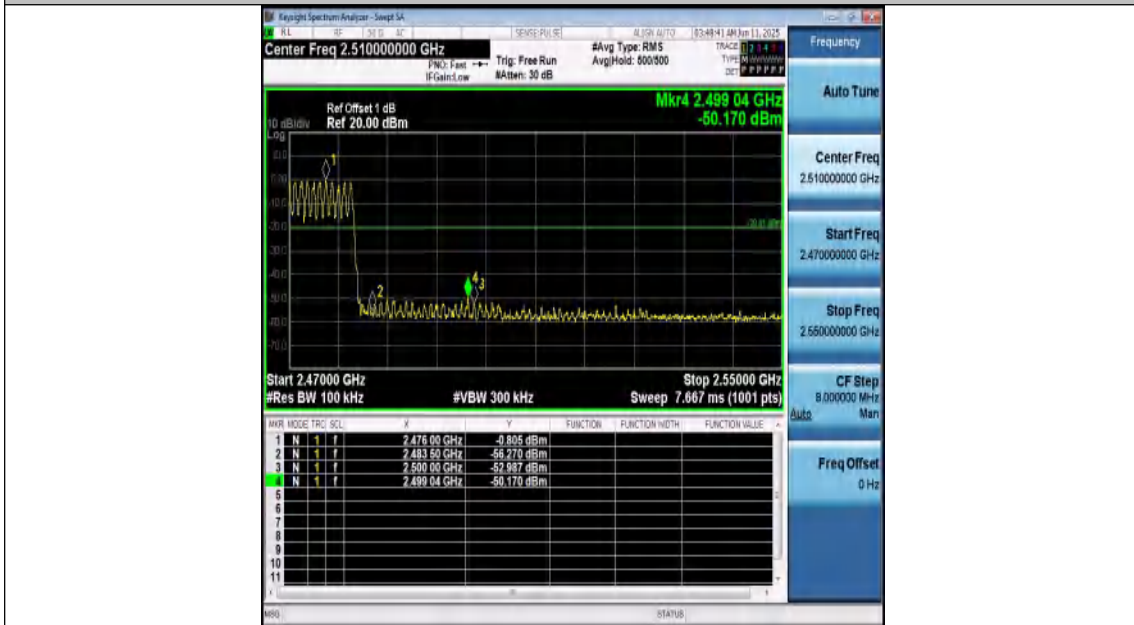
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs

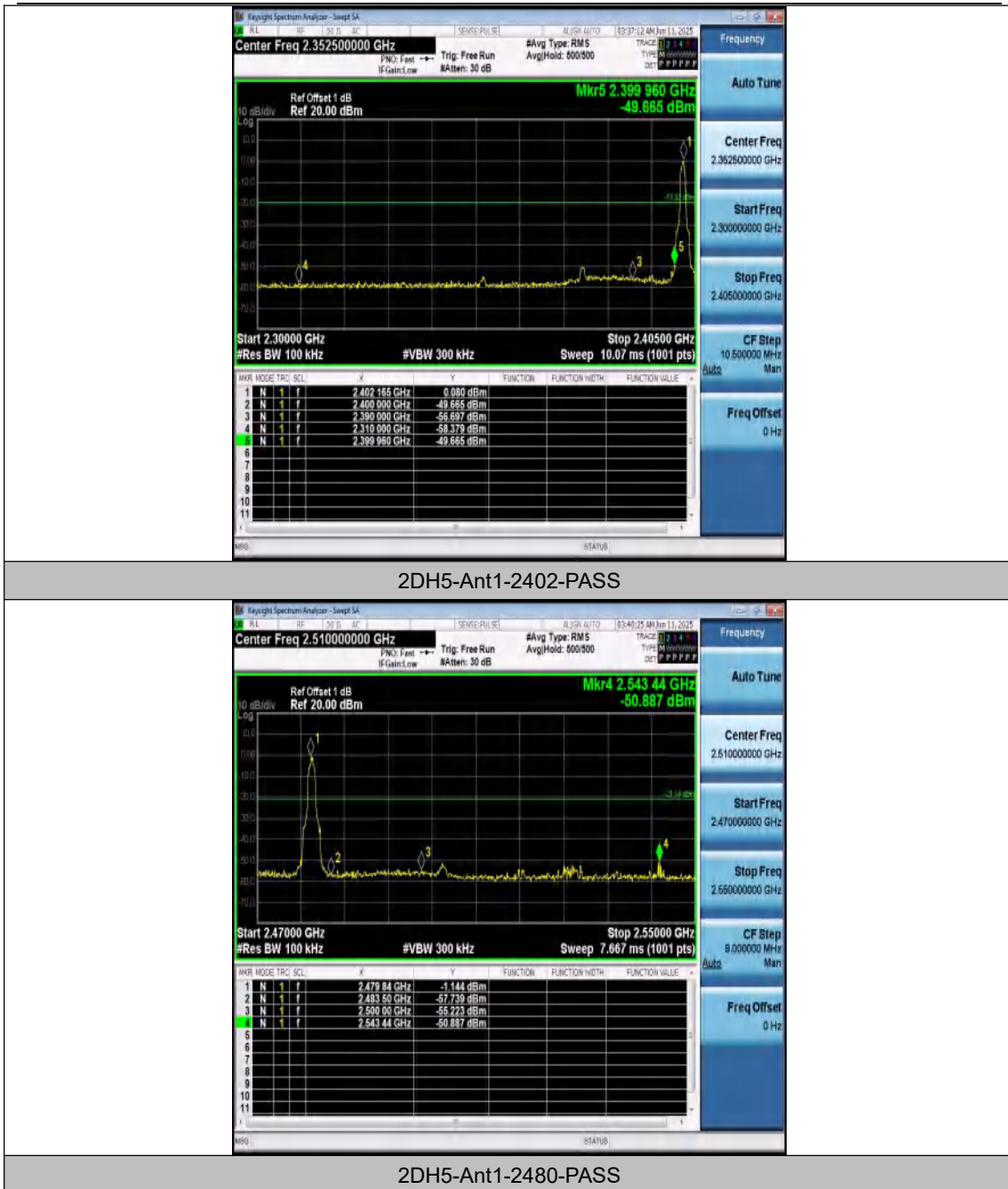


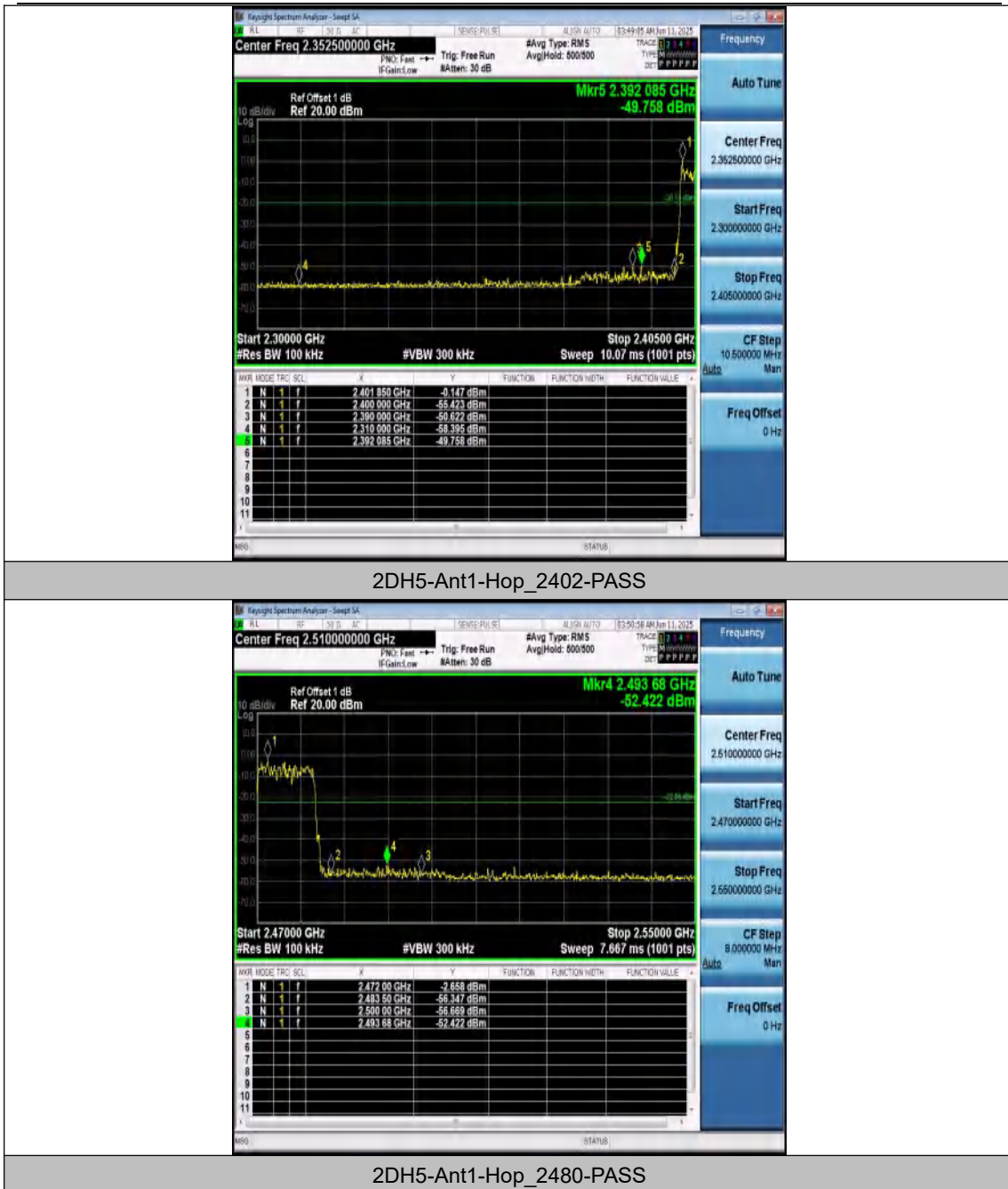


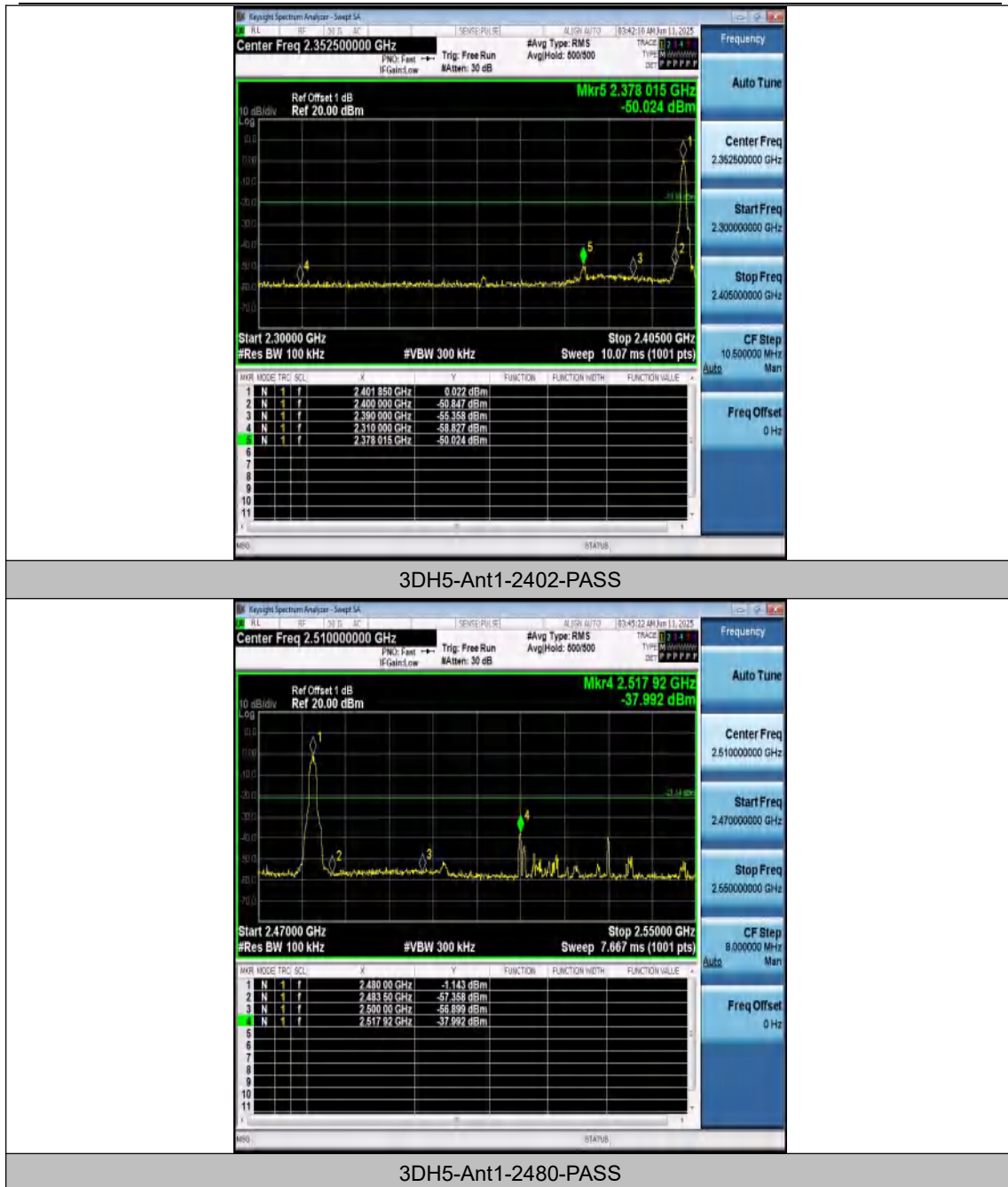
DH5-Ant1-Hop_2402-PASS

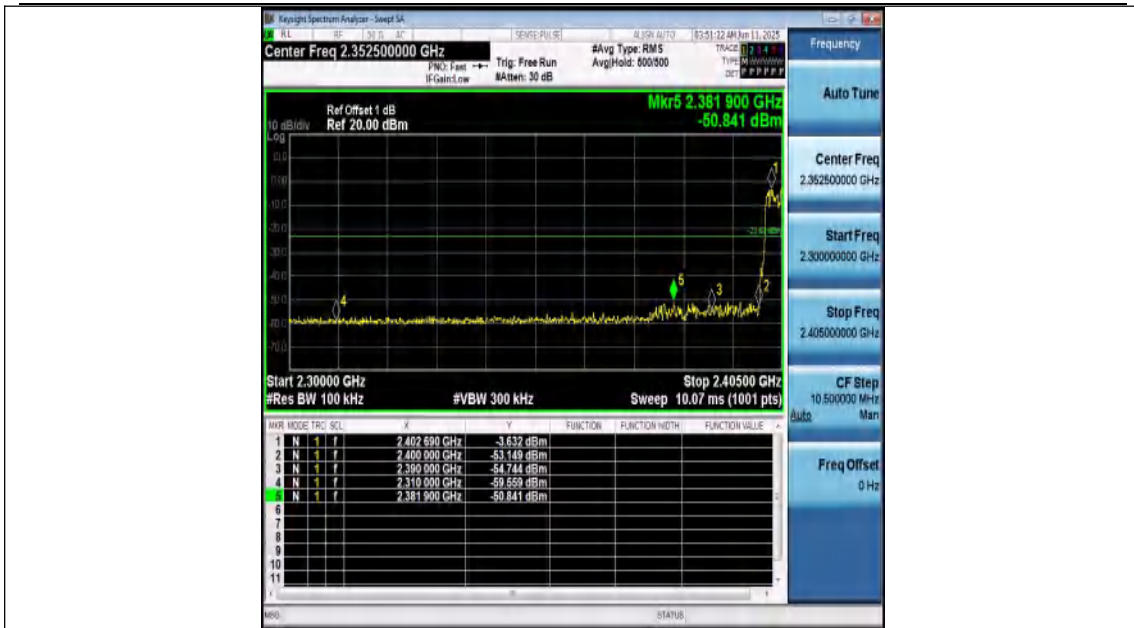


DH5-Ant1-Hop_2480-PASS

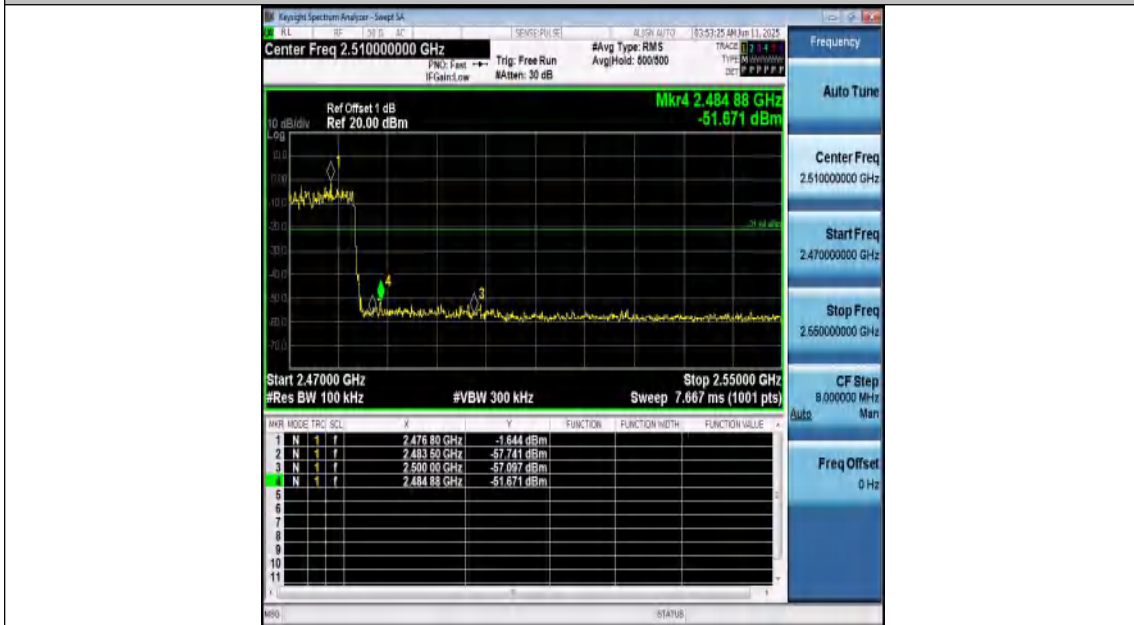








3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

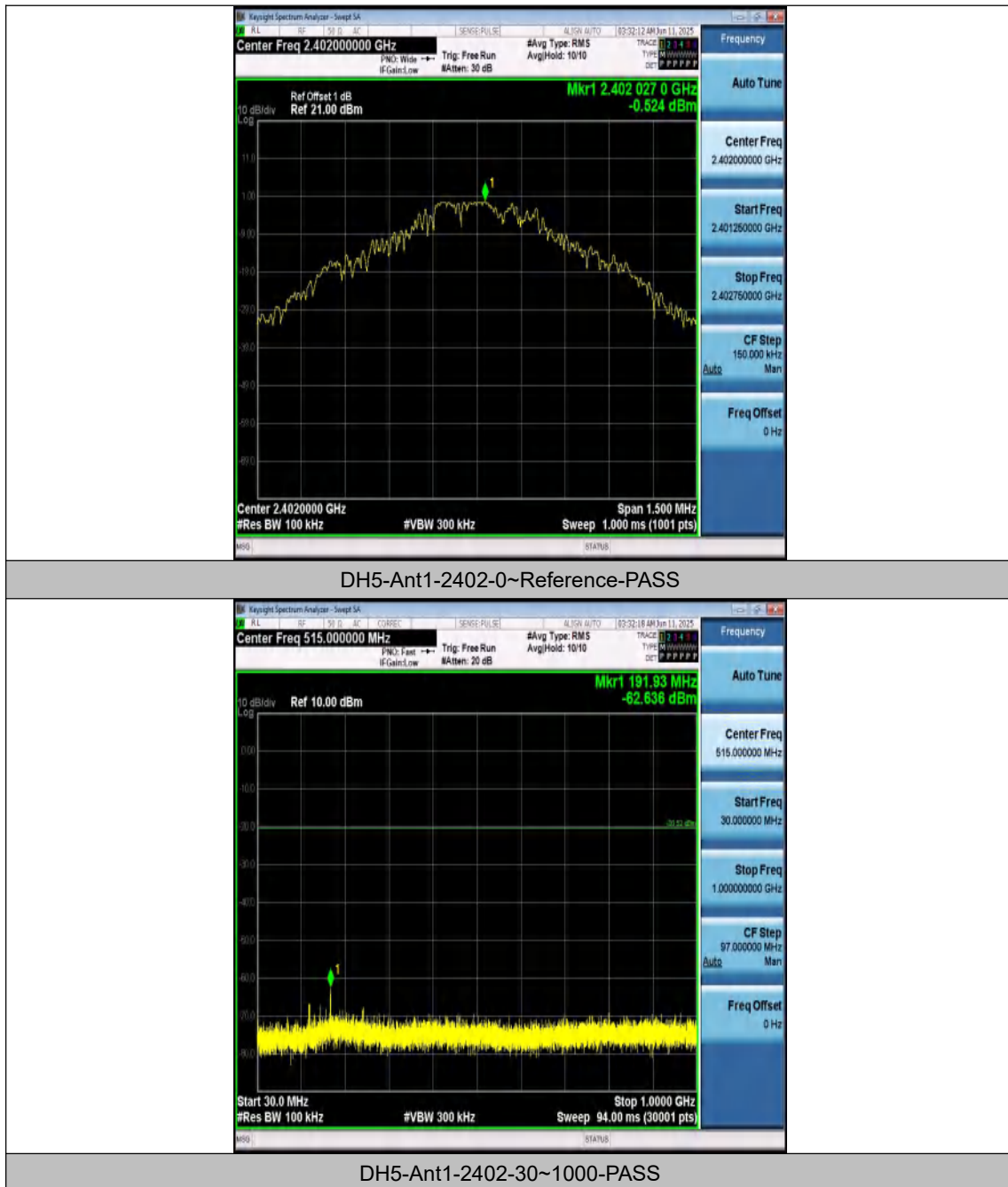
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.52	-0.52	---	PASS
DH5	Ant1	2402	30~1000	-0.52	-62.64	≤-20.52	PASS
DH5	Ant1	2402	1000~26500	-0.52	-43.24	≤-20.52	PASS
DH5	Ant1	2441	0~Reference	-0.99	-0.99	---	PASS
DH5	Ant1	2441	30~1000	-0.99	-61.03	≤-20.99	PASS
DH5	Ant1	2441	1000~26500	-0.99	-41.69	≤-20.99	PASS
DH5	Ant1	2480	0~Reference	-1.45	-1.45	---	PASS
DH5	Ant1	2480	30~1000	-1.45	-60.46	≤-21.45	PASS
DH5	Ant1	2480	1000~26500	-1.45	-39.26	≤-21.45	PASS
2DH5	Ant1	2402	0~Reference	-1.05	-1.05	---	PASS
2DH5	Ant1	2402	30~1000	-1.05	-51.33	≤-21.05	PASS
2DH5	Ant1	2402	1000~26500	-1.05	-44.69	≤-21.05	PASS
2DH5	Ant1	2441	0~Reference	-3.32	-3.32	---	PASS
2DH5	Ant1	2441	30~1000	-3.32	-61.72	≤-23.32	PASS
2DH5	Ant1	2441	1000~26500	-3.32	-43.6	≤-23.32	PASS
2DH5	Ant1	2480	0~Reference	-4.62	-4.62	---	PASS
2DH5	Ant1	2480	30~1000	-4.62	-53.36	≤-24.62	PASS
2DH5	Ant1	2480	1000~26500	-4.62	-43.04	≤-24.62	PASS
3DH5	Ant1	2402	0~Reference	-0.19	-0.19	---	PASS
3DH5	Ant1	2402	30~1000	-0.19	-64.4	≤-20.19	PASS
3DH5	Ant1	2402	1000~26500	-0.19	-43.43	≤-20.19	PASS
3DH5	Ant1	2441	0~Reference	-3.91	-3.91	---	PASS
3DH5	Ant1	2441	30~1000	-3.91	-59.25	≤-23.91	PASS
3DH5	Ant1	2441	1000~26500	-3.91	-44.19	≤-23.91	PASS
3DH5	Ant1	2480	0~Reference	-4.32	-4.32	---	PASS
3DH5	Ant1	2480	30~1000	-4.32	-63.44	≤-24.32	PASS
3DH5	Ant1	2480	1000~26500	-4.32	-44.81	≤-24.32	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

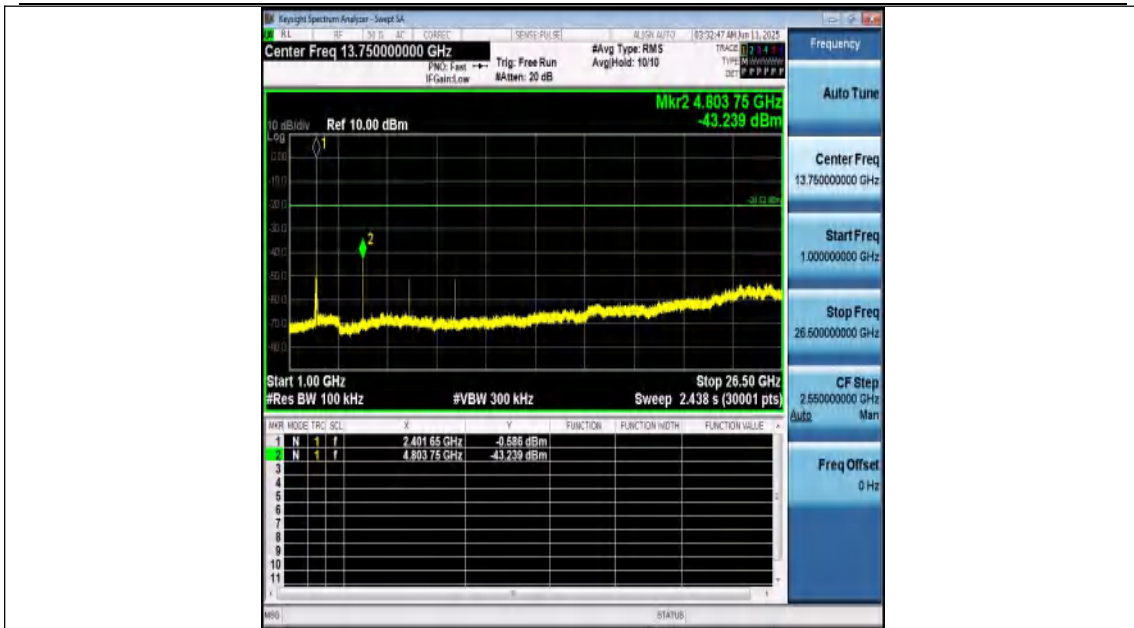


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DH5-Ant1-2402-1000~26500-PASS



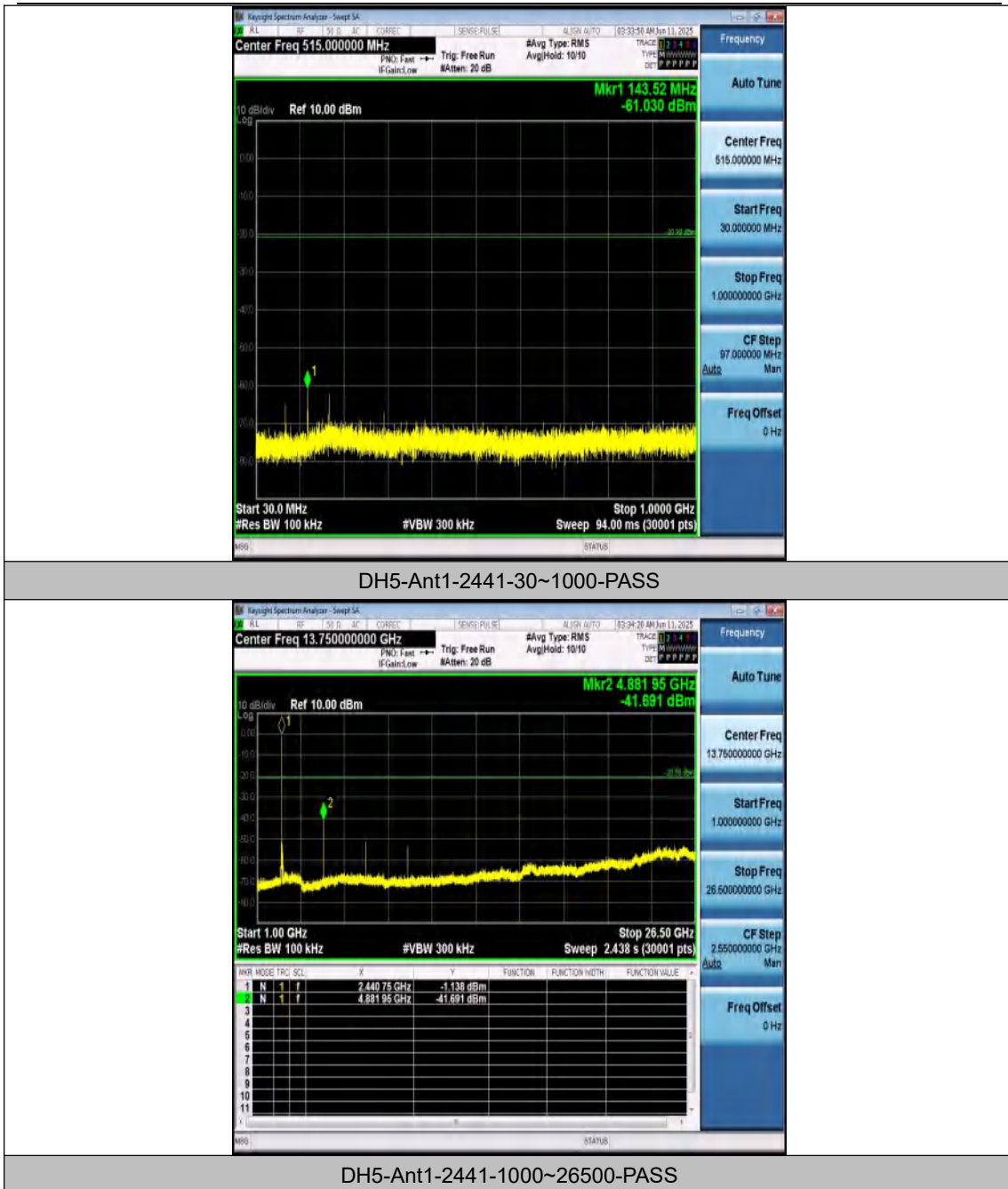
DH5-Ant1-2441-0~Reference-PASS

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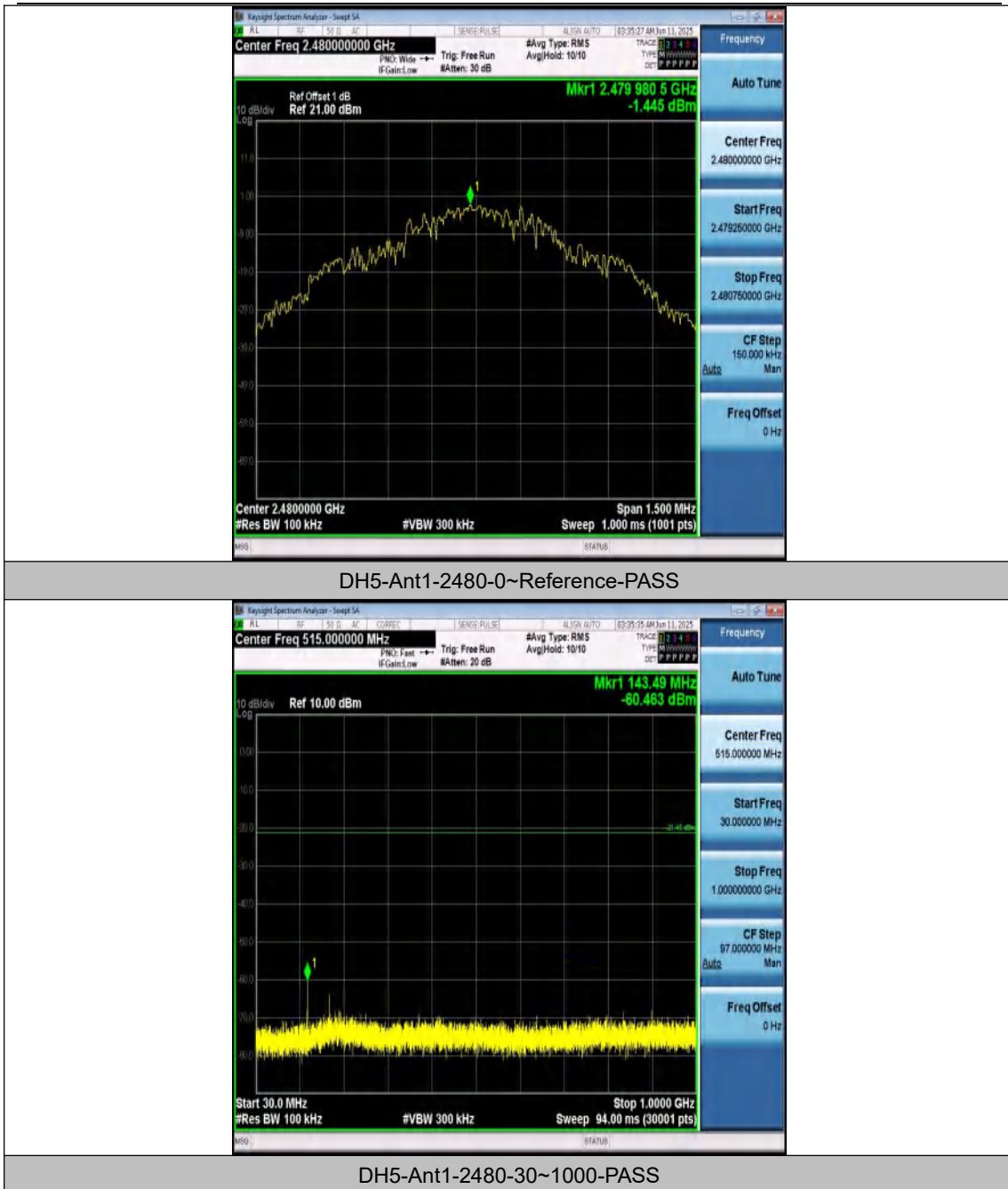


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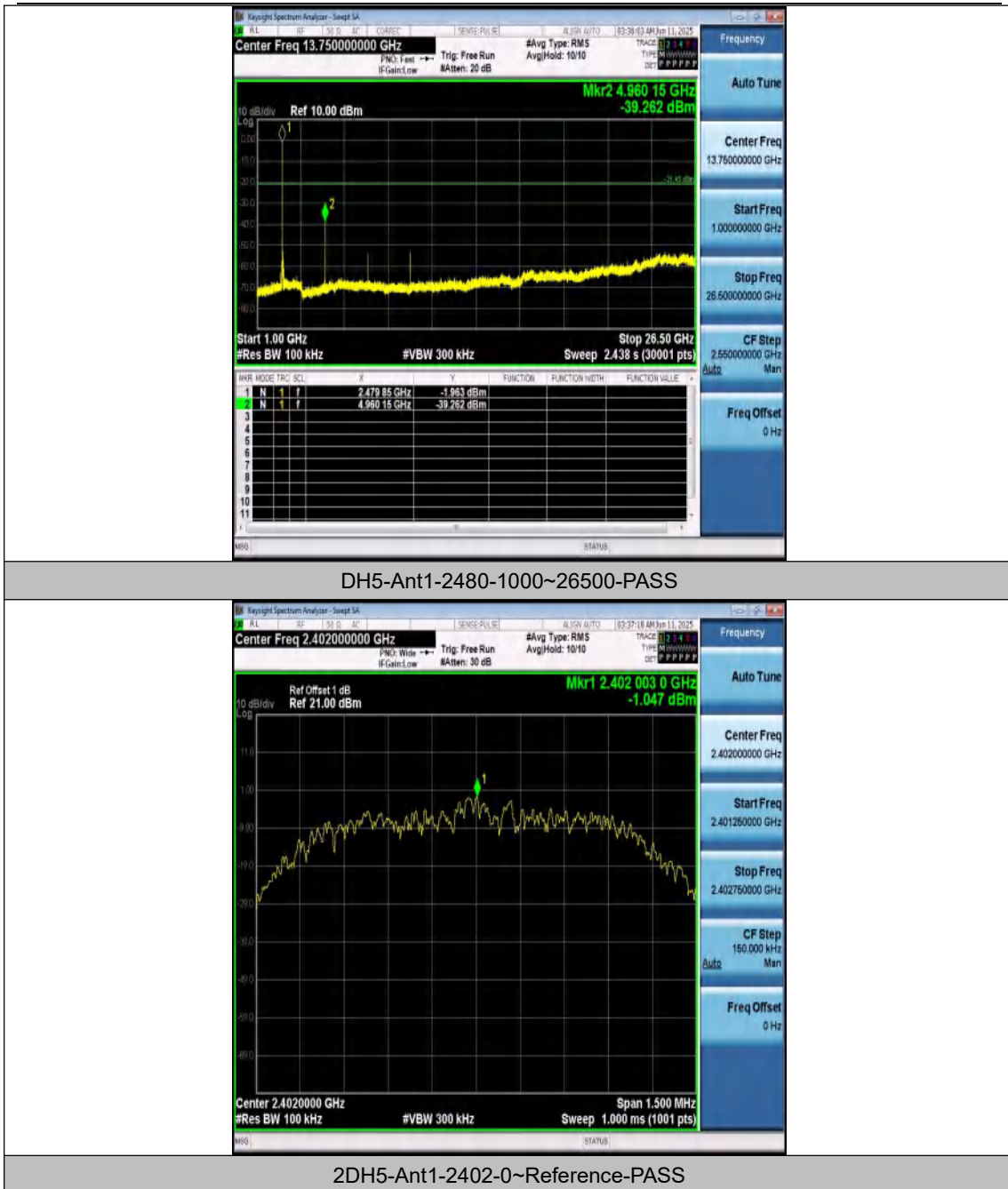
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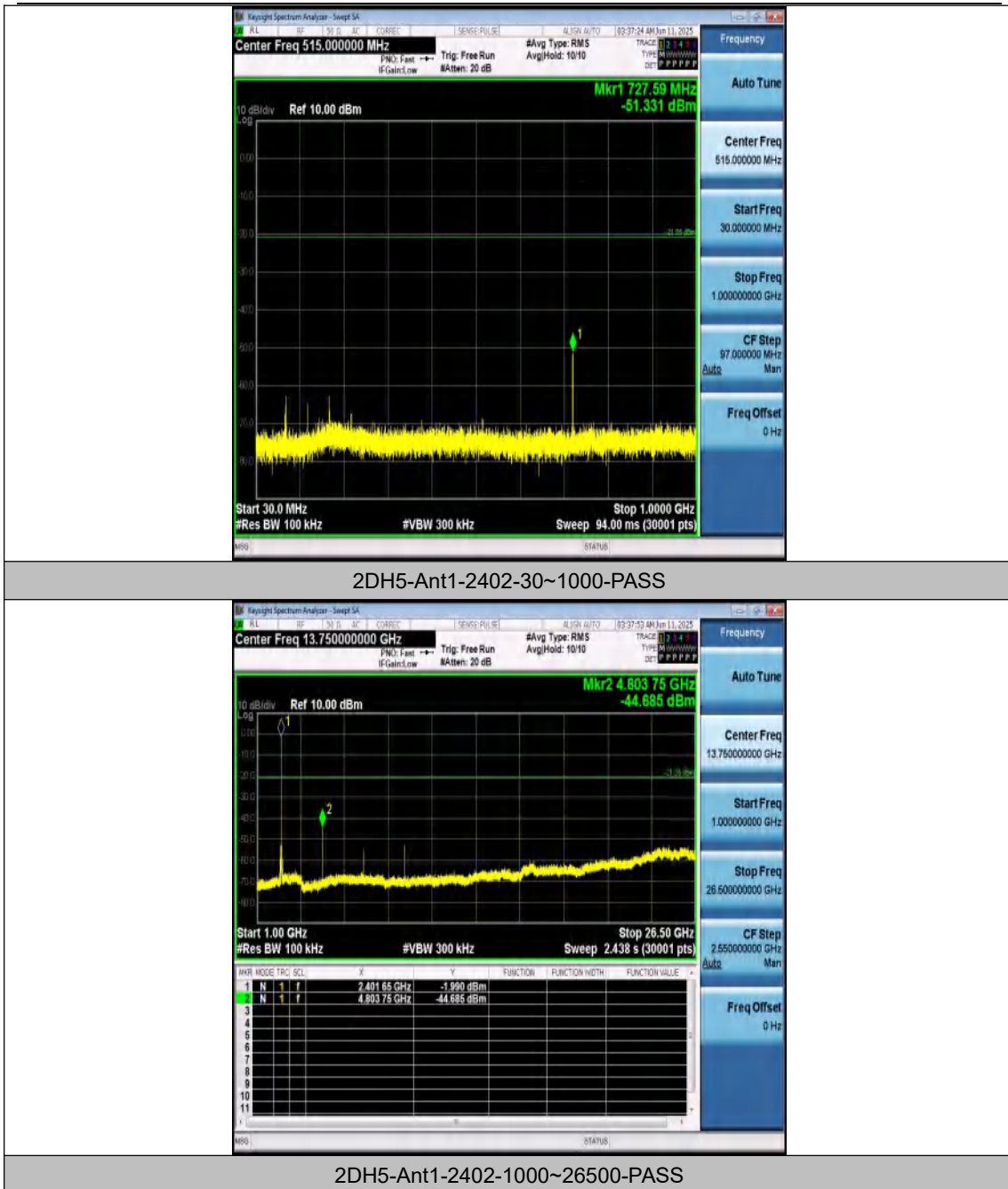
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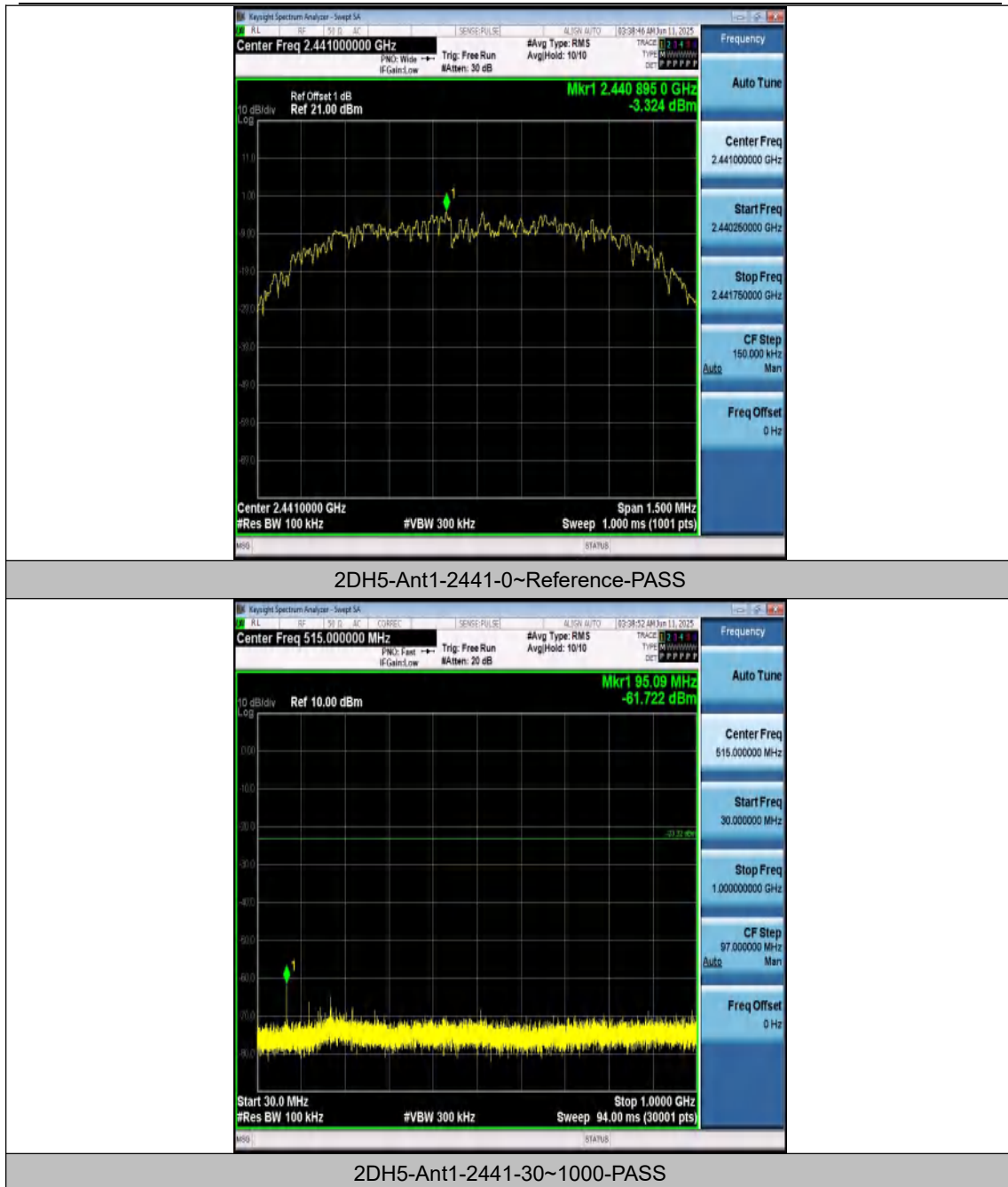
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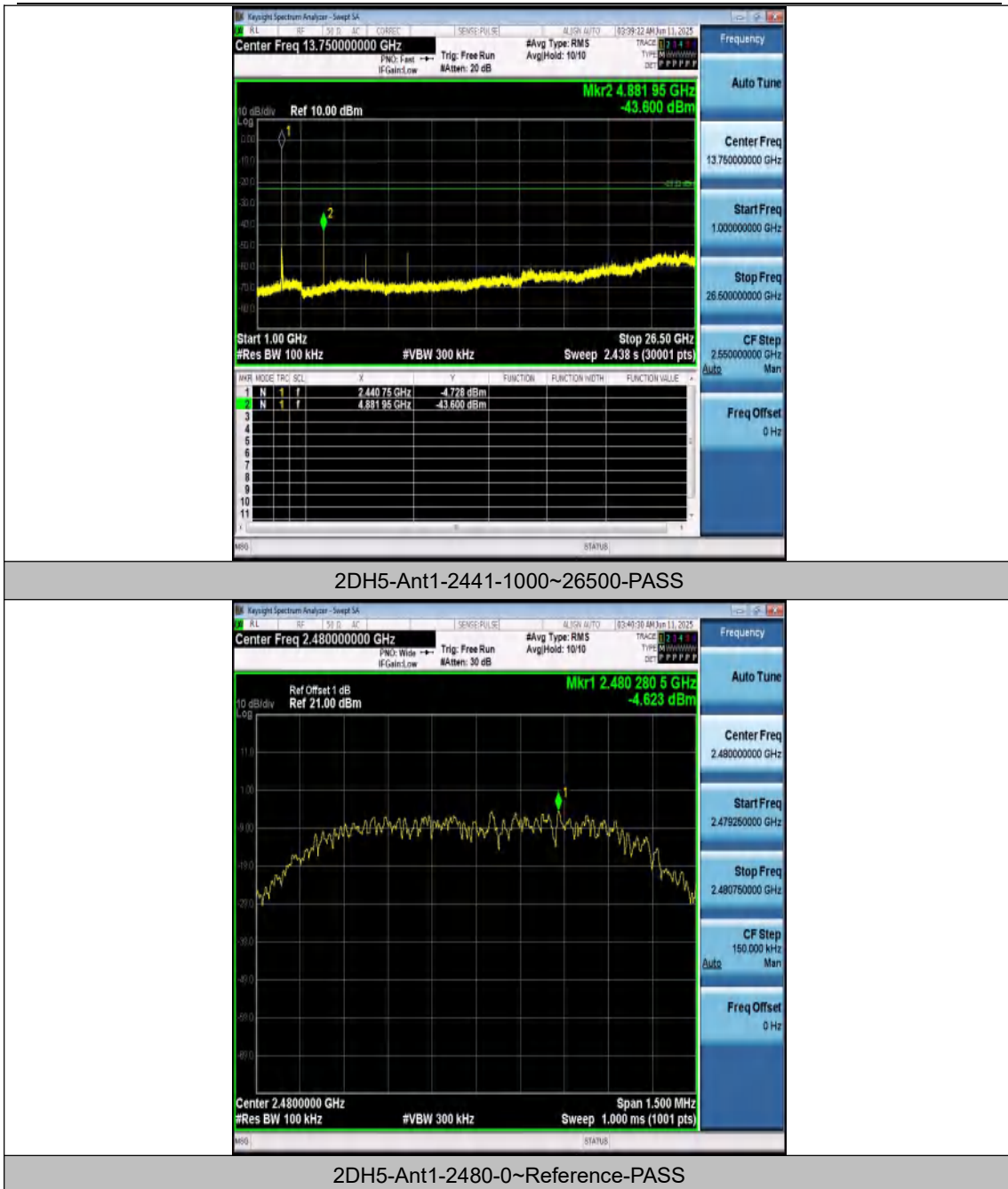
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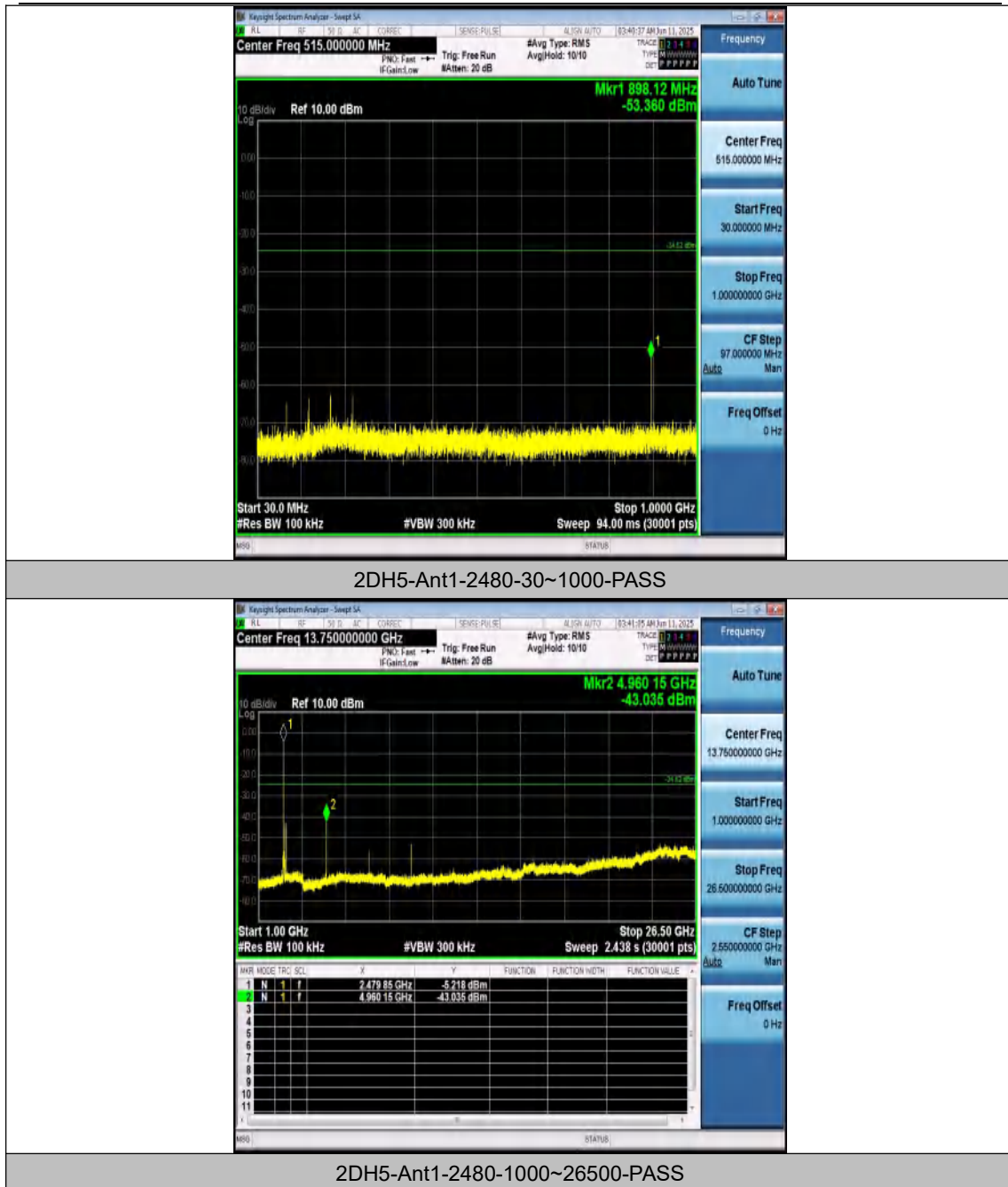
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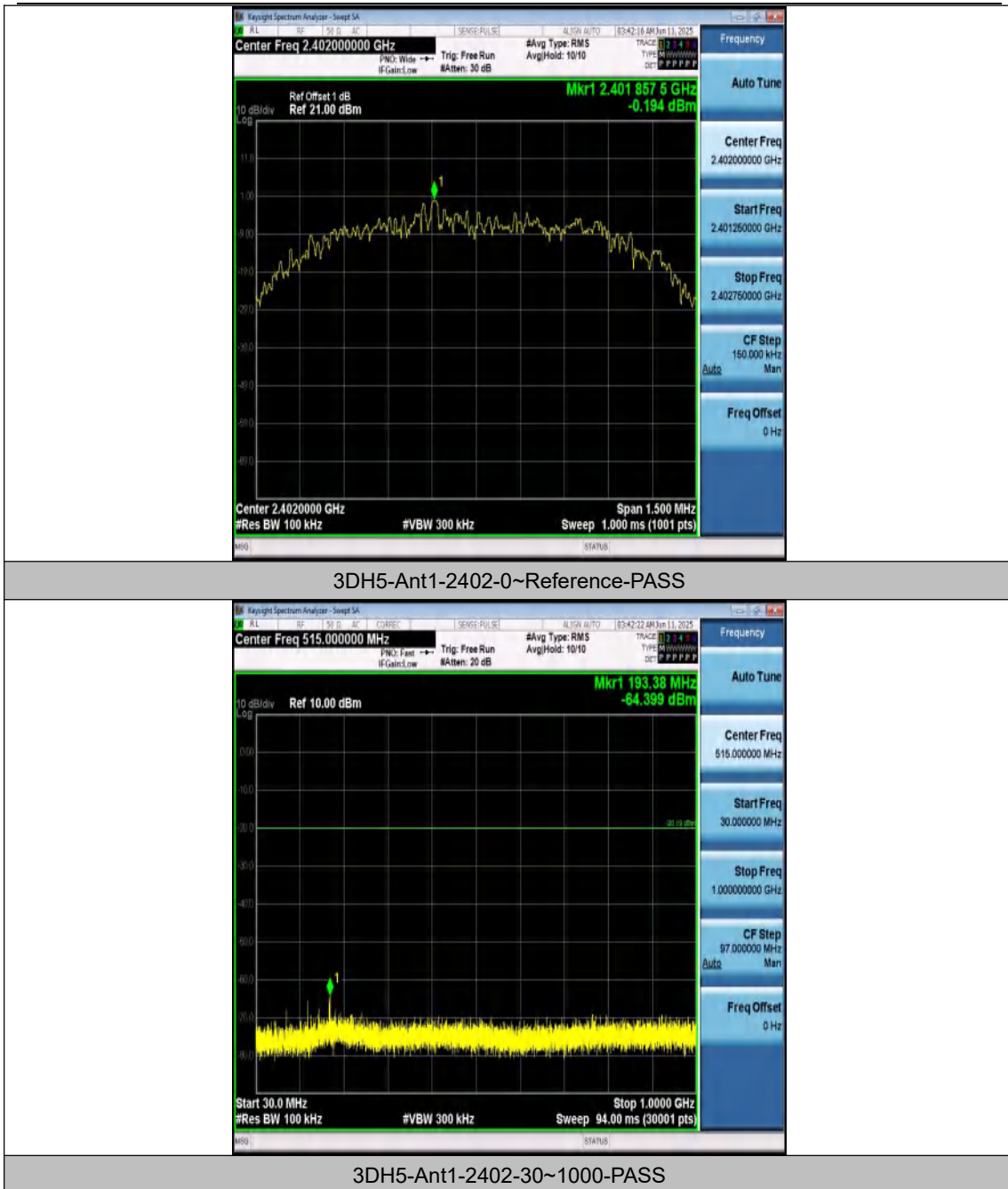


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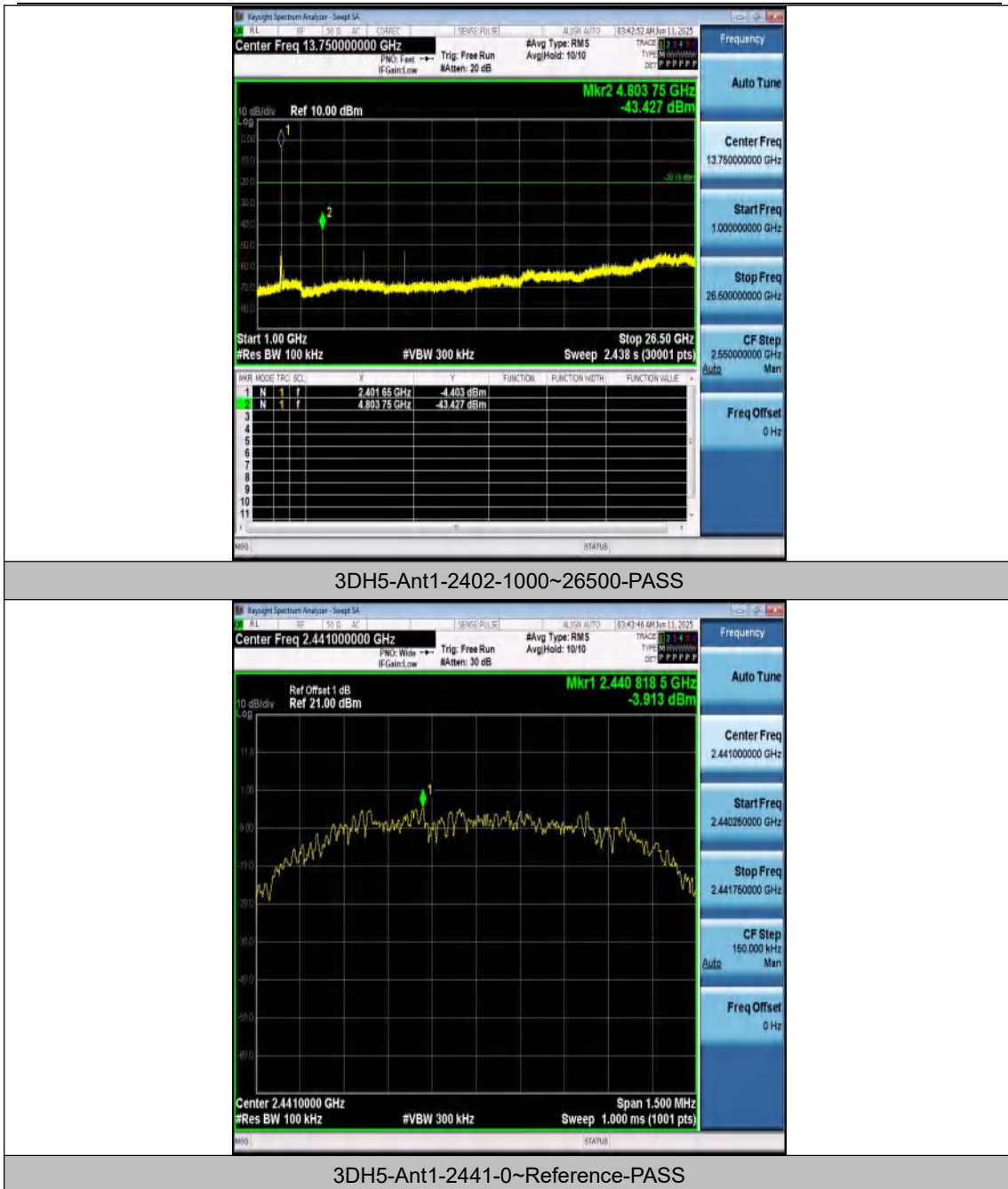




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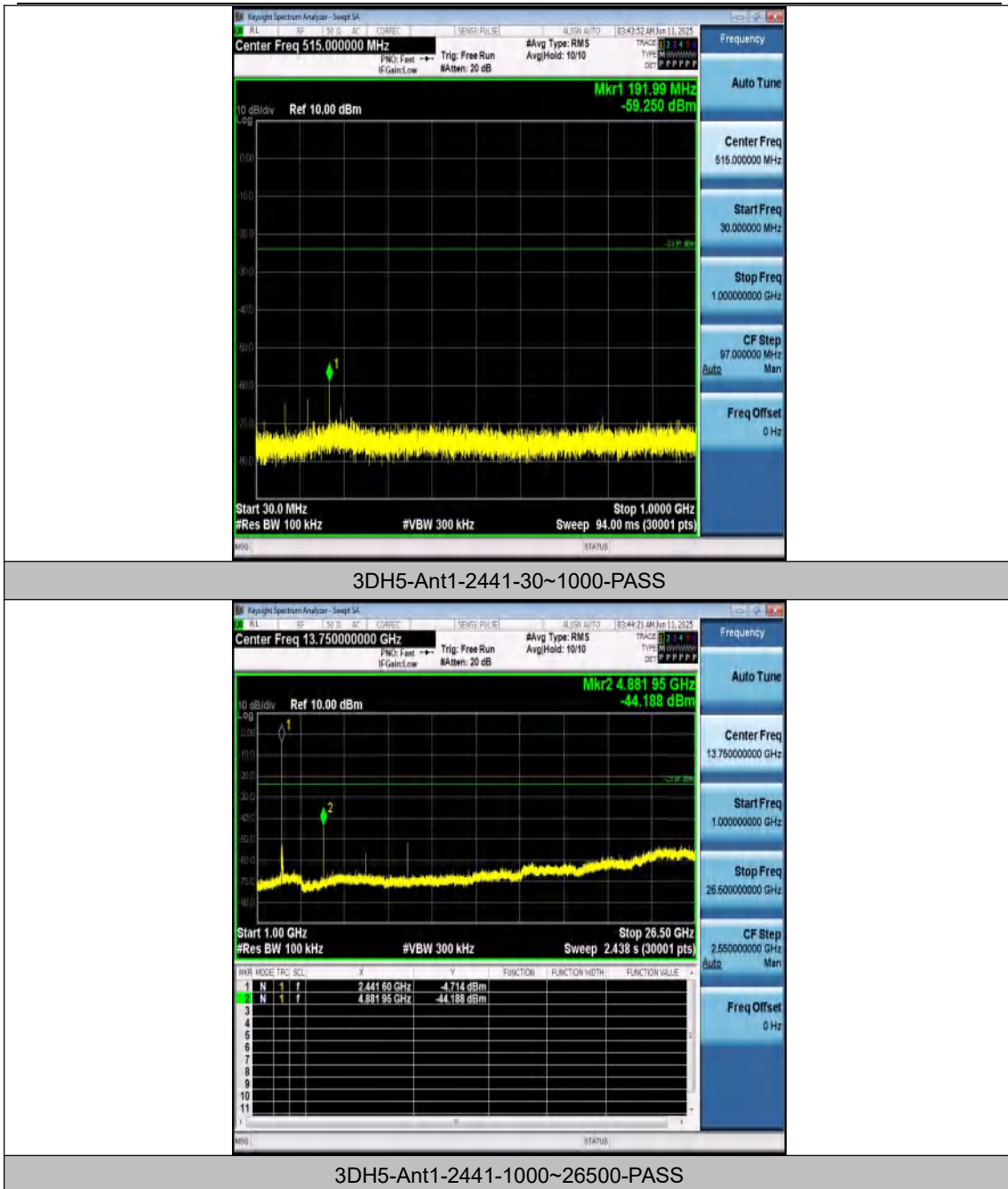
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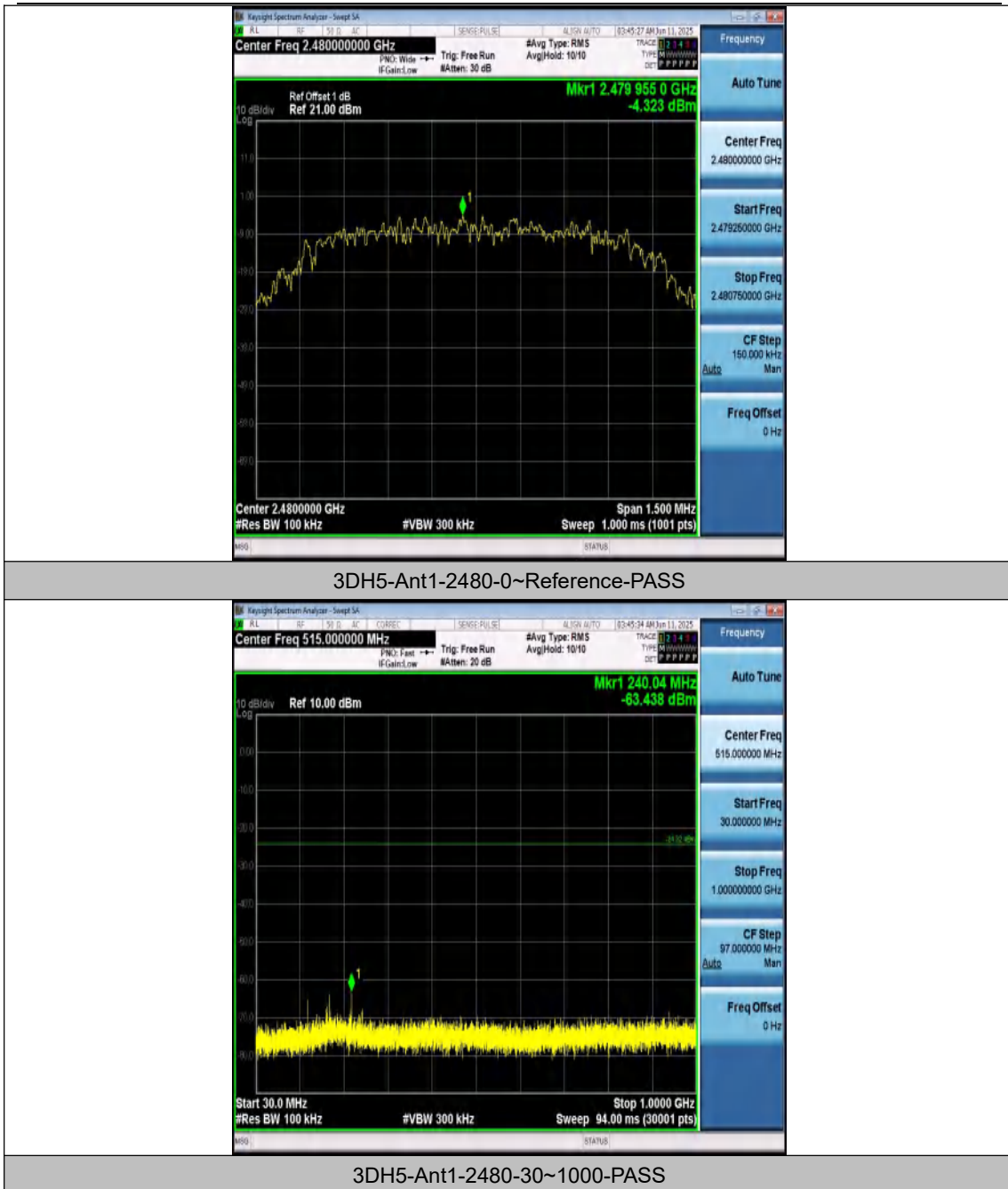


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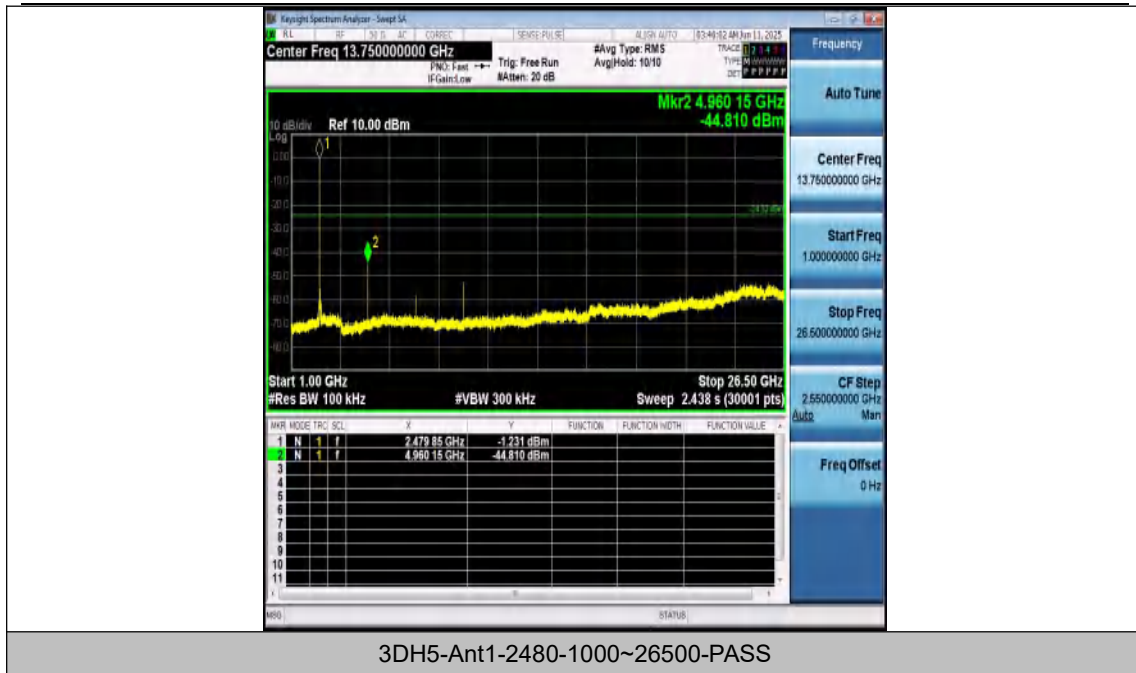




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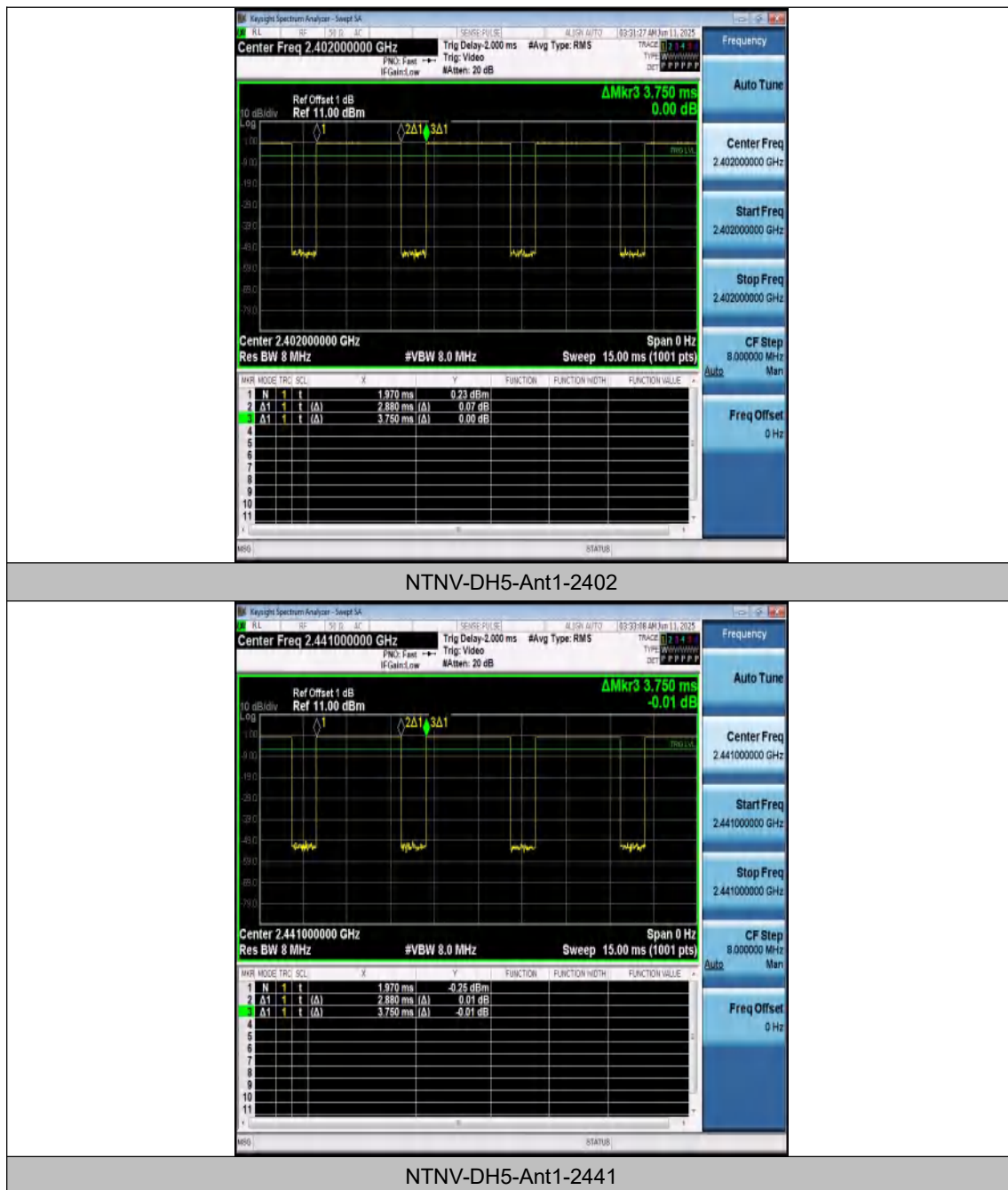
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Appendix I: Duty Cycle

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	2.89	3.75	77.07	1.13
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	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

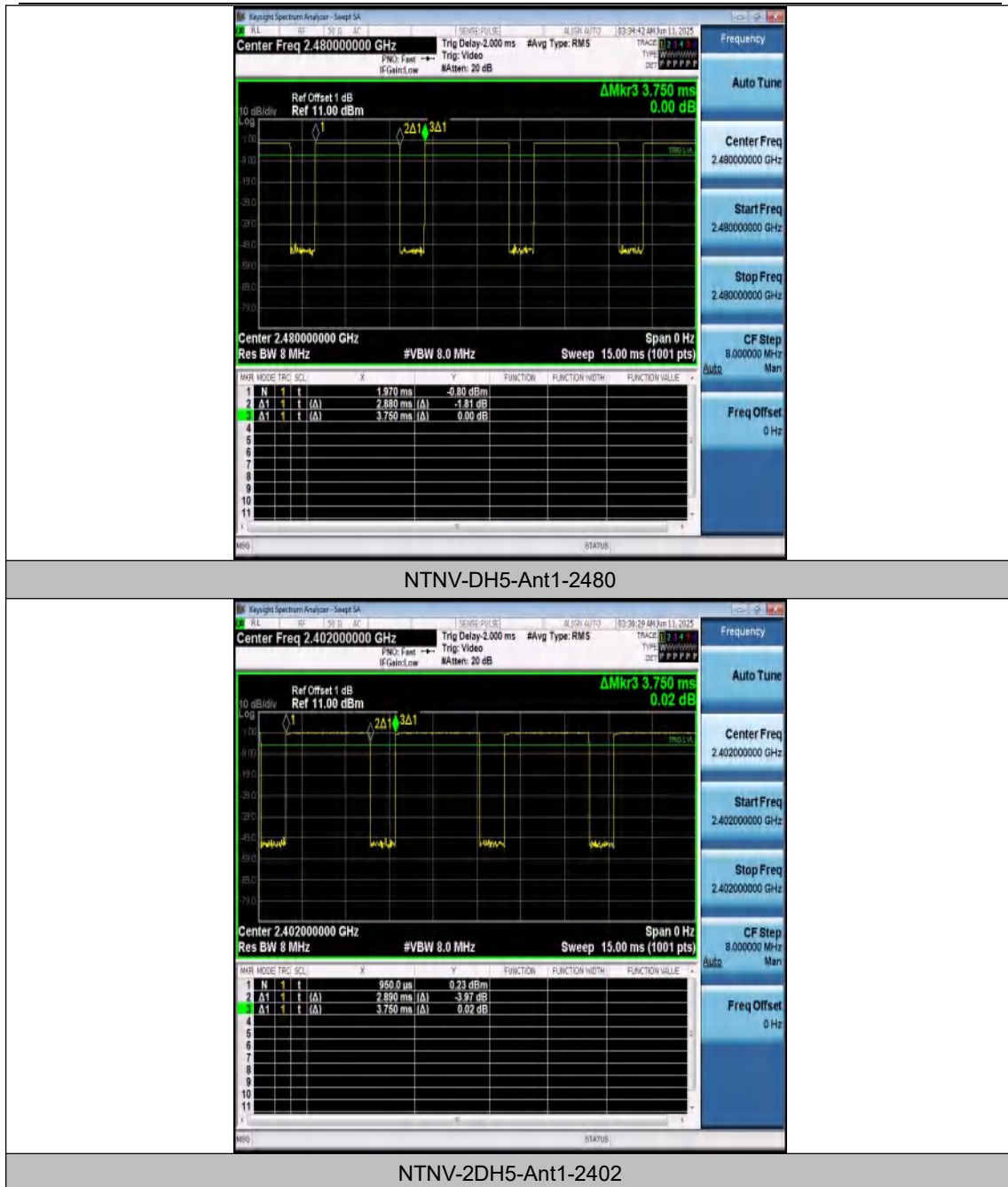
Test Graphs

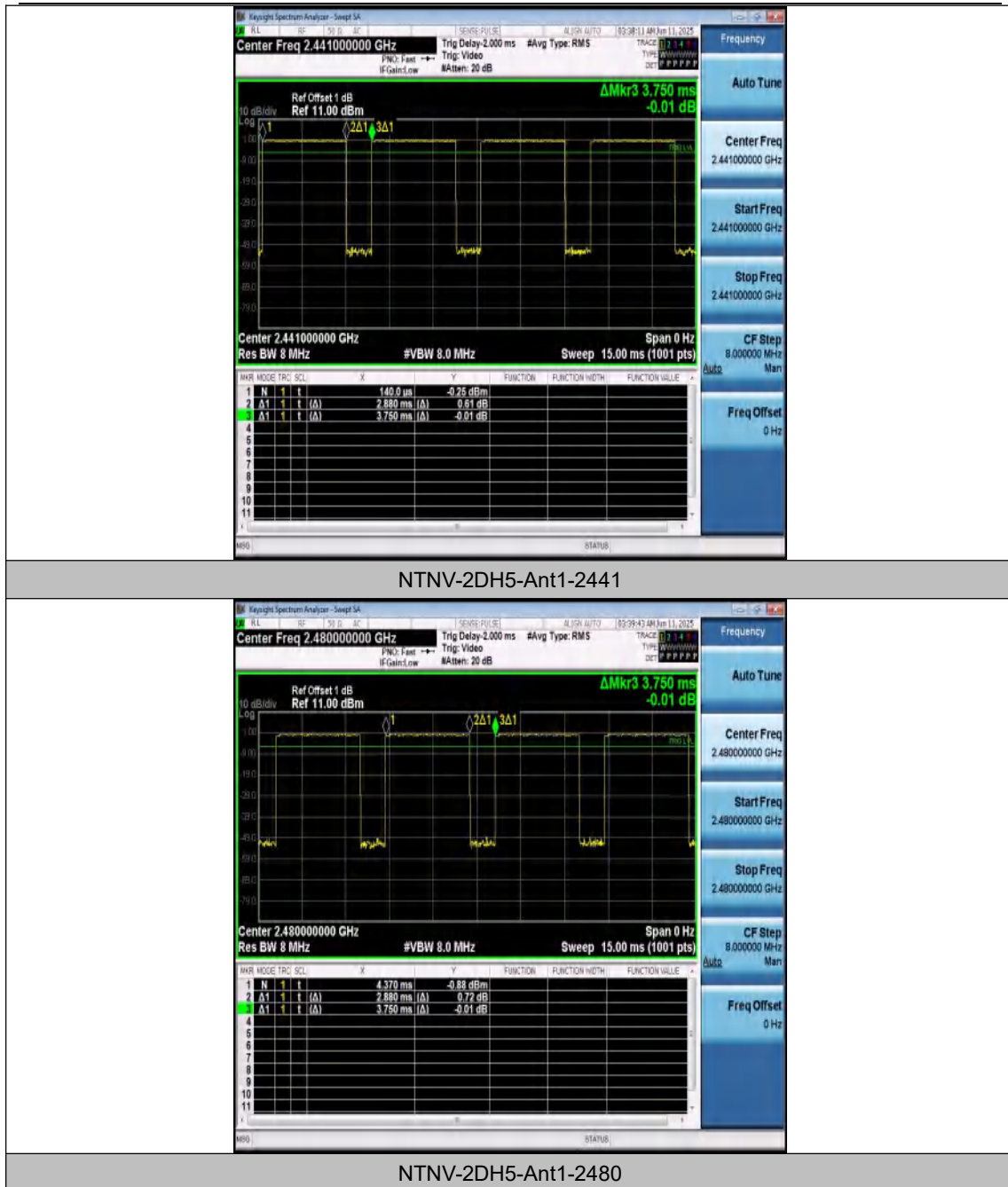


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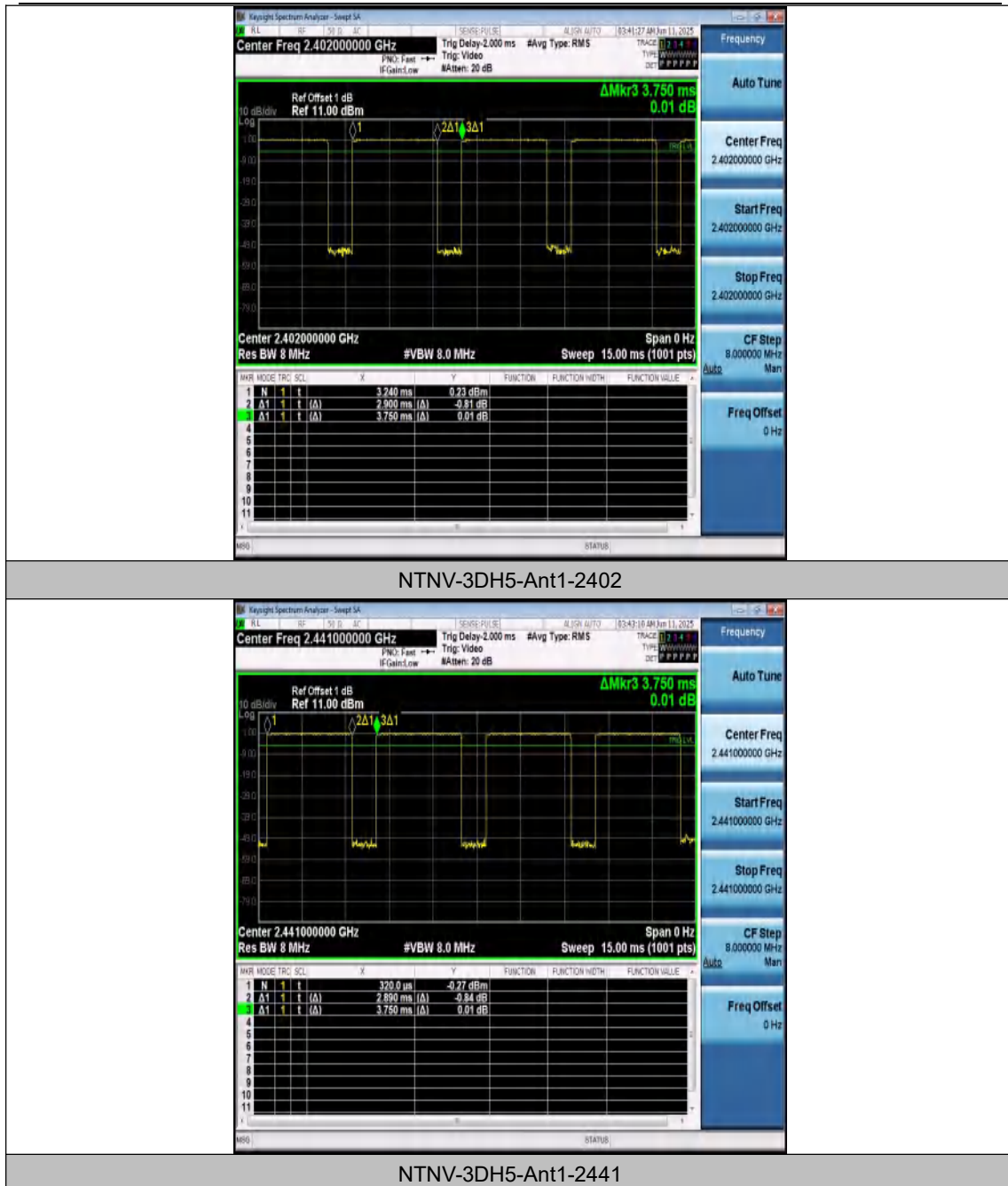




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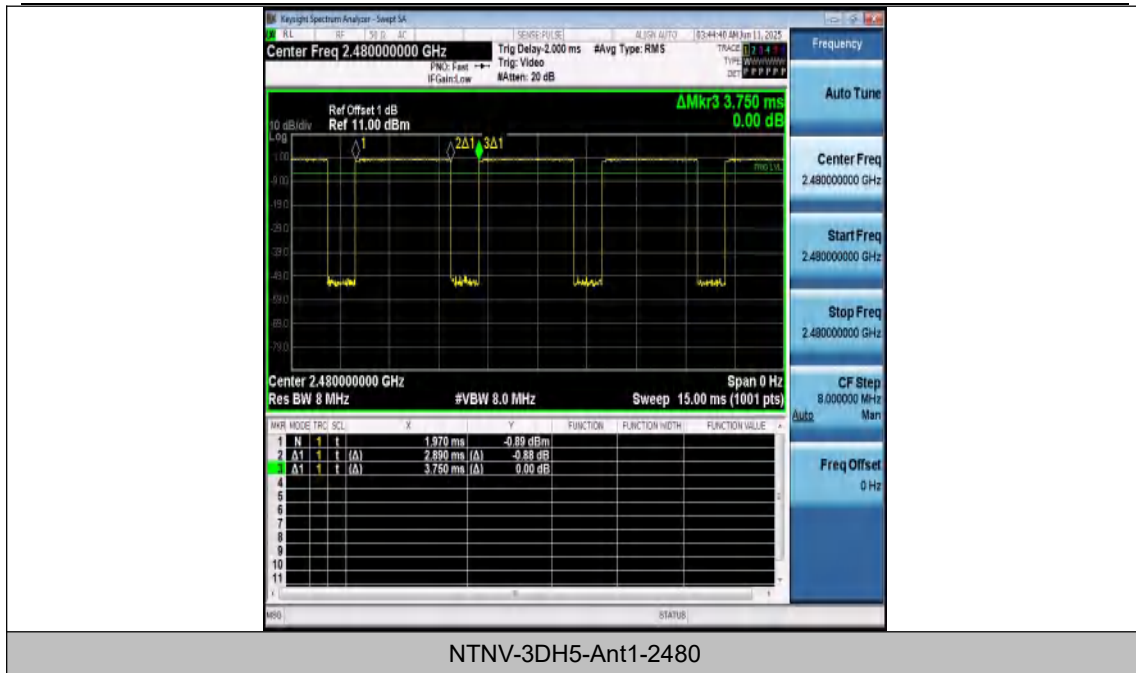


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