

Appendix Test Data

Report No.:	1819C50100912501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-09	Finish Test Date:	2025-09-09
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25.5°C	Relative Humidity:	58%
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	0.948	2401.487	2402.435	---	---
DH5	Ant1	2441	0.966	2440.481	2441.447	---	---
DH5	Ant1	2480	0.957	2479.490	2480.447	---	---
2DH5	Ant1	2402	1.326	2401.289	2402.615	---	---
2DH5	Ant1	2441	1.287	2440.322	2441.609	---	---
2DH5	Ant1	2480	1.275	2479.325	2480.600	---	---
3DH5	Ant1	2402	1.281	2401.310	2402.591	---	---
3DH5	Ant1	2441	1.338	2440.292	2441.630	---	---
3DH5	Ant1	2480	1.290	2479.310	2480.600	---	---

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	0.86428	2401.5223	2402.3865	---	---
DH5	Ant1	2441	0.86740	2440.5220	2441.3894	---	---
DH5	Ant1	2480	0.86920	2479.5228	2480.3920	---	---
2DH5	Ant1	2402	1.1810	2401.3655	2402.5465	---	---
2DH5	Ant1	2441	1.1796	2440.3645	2441.5441	---	---
2DH5	Ant1	2480	1.1831	2479.3626	2480.5457	---	---
3DH5	Ant1	2402	1.1764	2401.3722	2402.5486	---	---
3DH5	Ant1	2441	1.1684	2440.3737	2441.5421	---	---
3DH5	Ant1	2480	1.1735	2479.3682	2480.5417	---	---

Test Graphs



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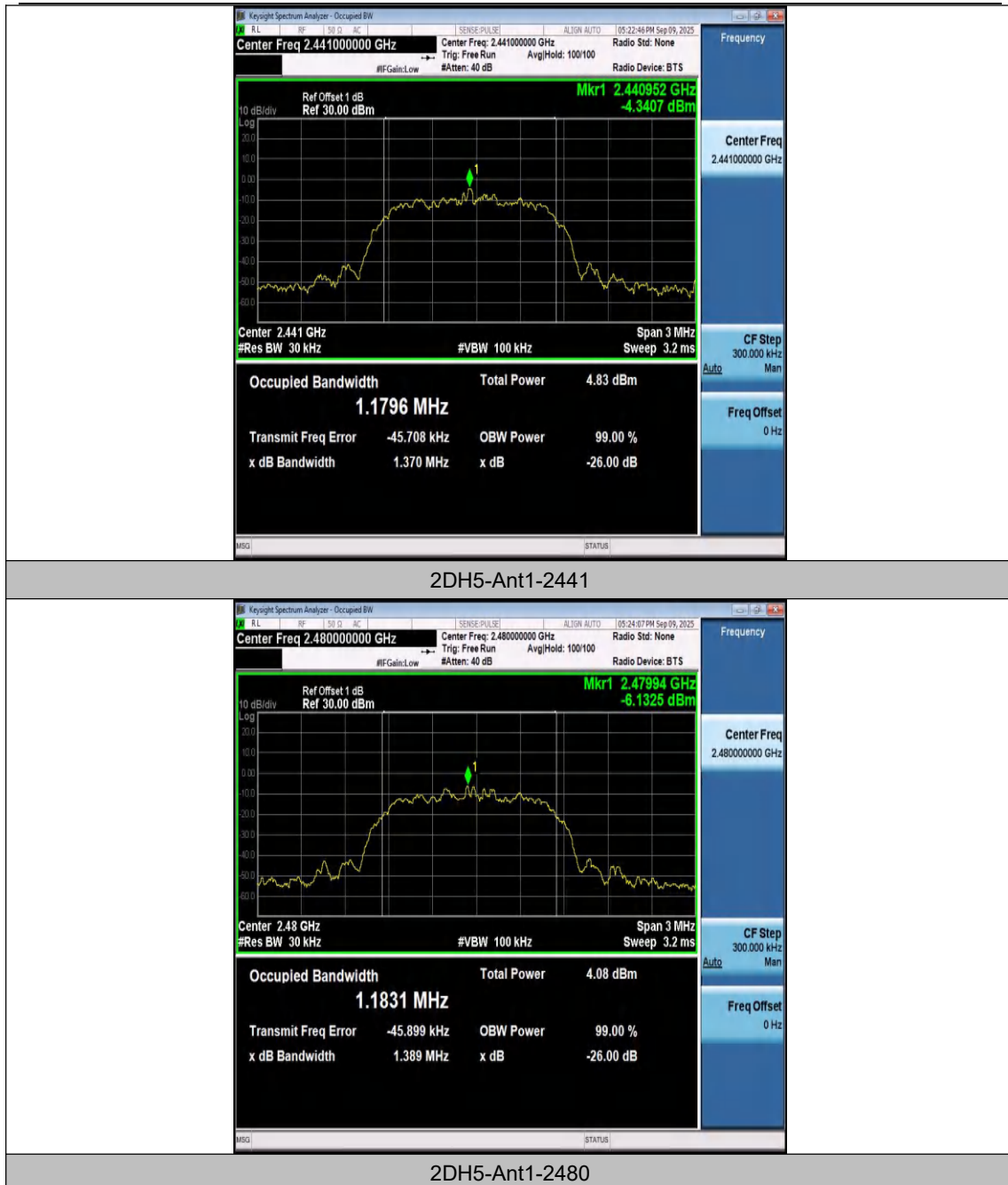
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3DH5-Ant1-2480

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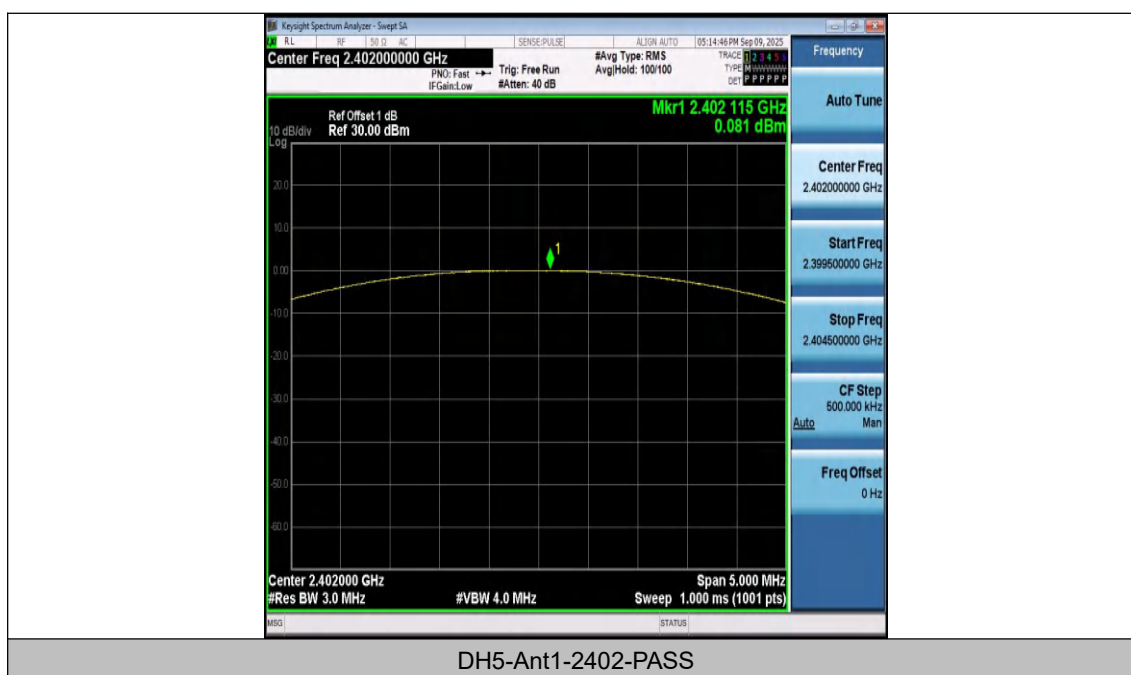
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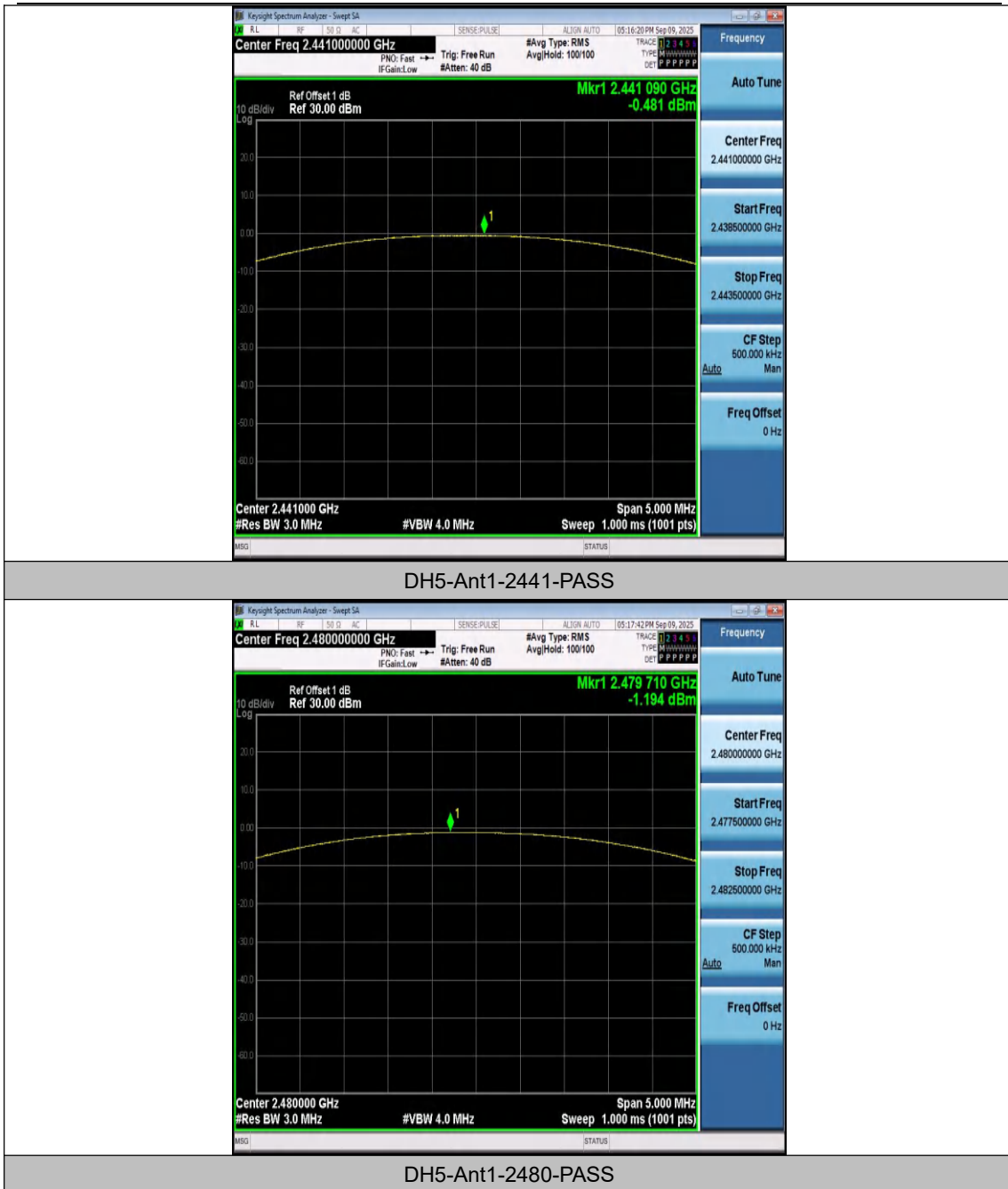
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.08	≤20.97	PASS
DH5	Ant1	2441	-0.48	≤20.97	PASS
DH5	Ant1	2480	-1.19	≤20.97	PASS
2DH5	Ant1	2402	0.89	≤20.97	PASS
2DH5	Ant1	2441	0.21	≤20.97	PASS
2DH5	Ant1	2480	-0.48	≤20.97	PASS
3DH5	Ant1	2402	1.38	≤20.97	PASS
3DH5	Ant1	2441	0.74	≤20.97	PASS
3DH5	Ant1	2480	0.08	≤20.97	PASS

Test Graphs

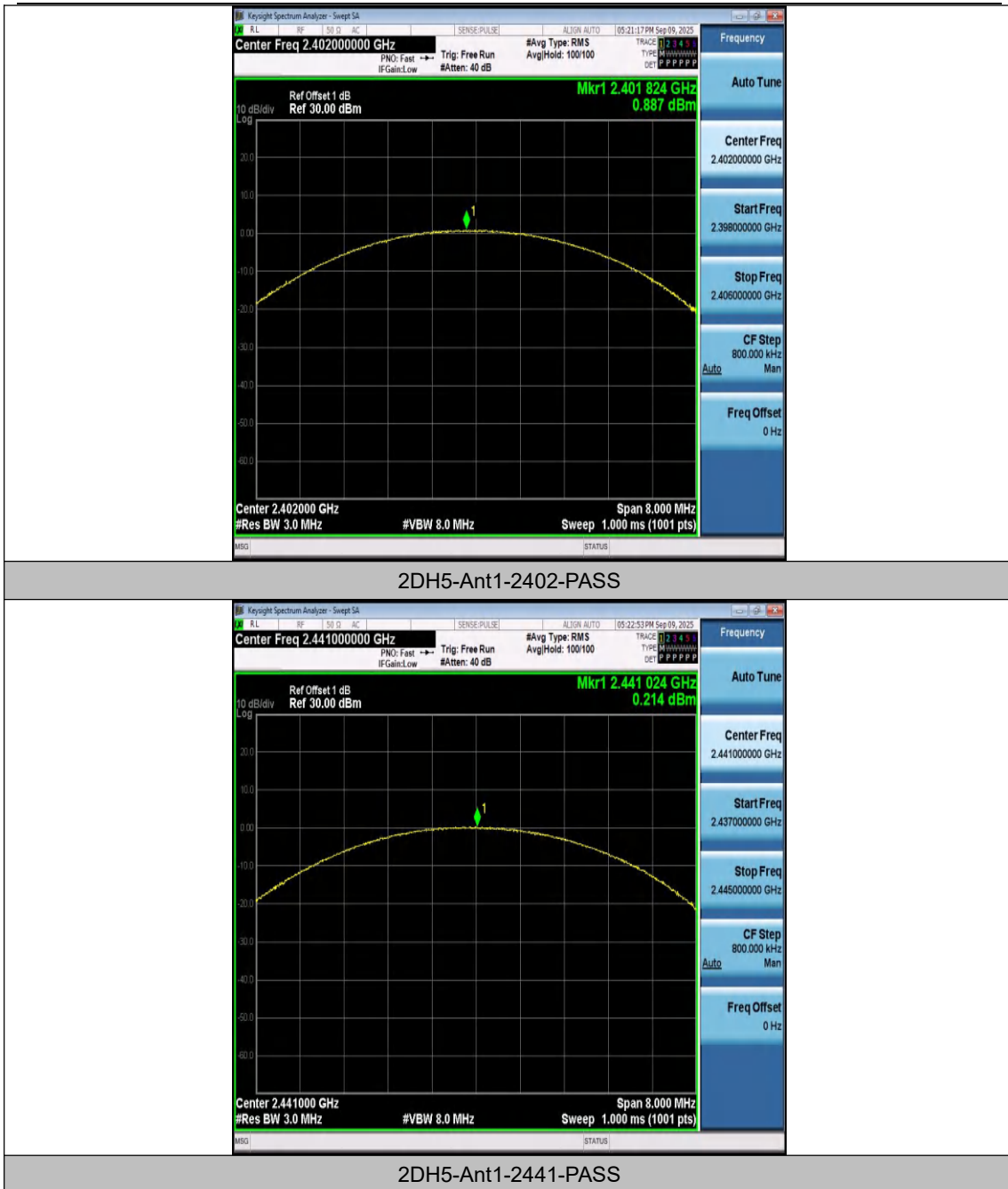




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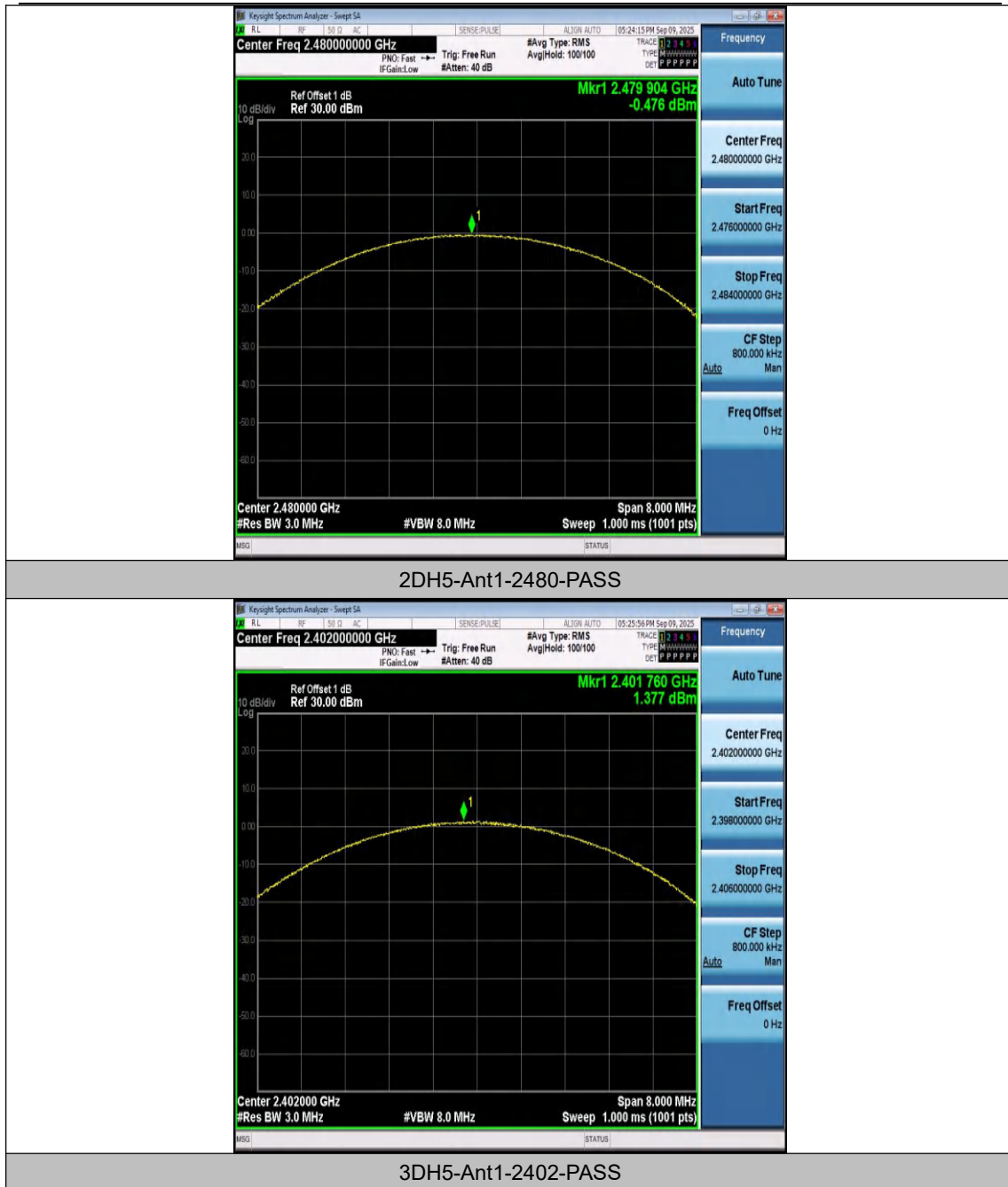
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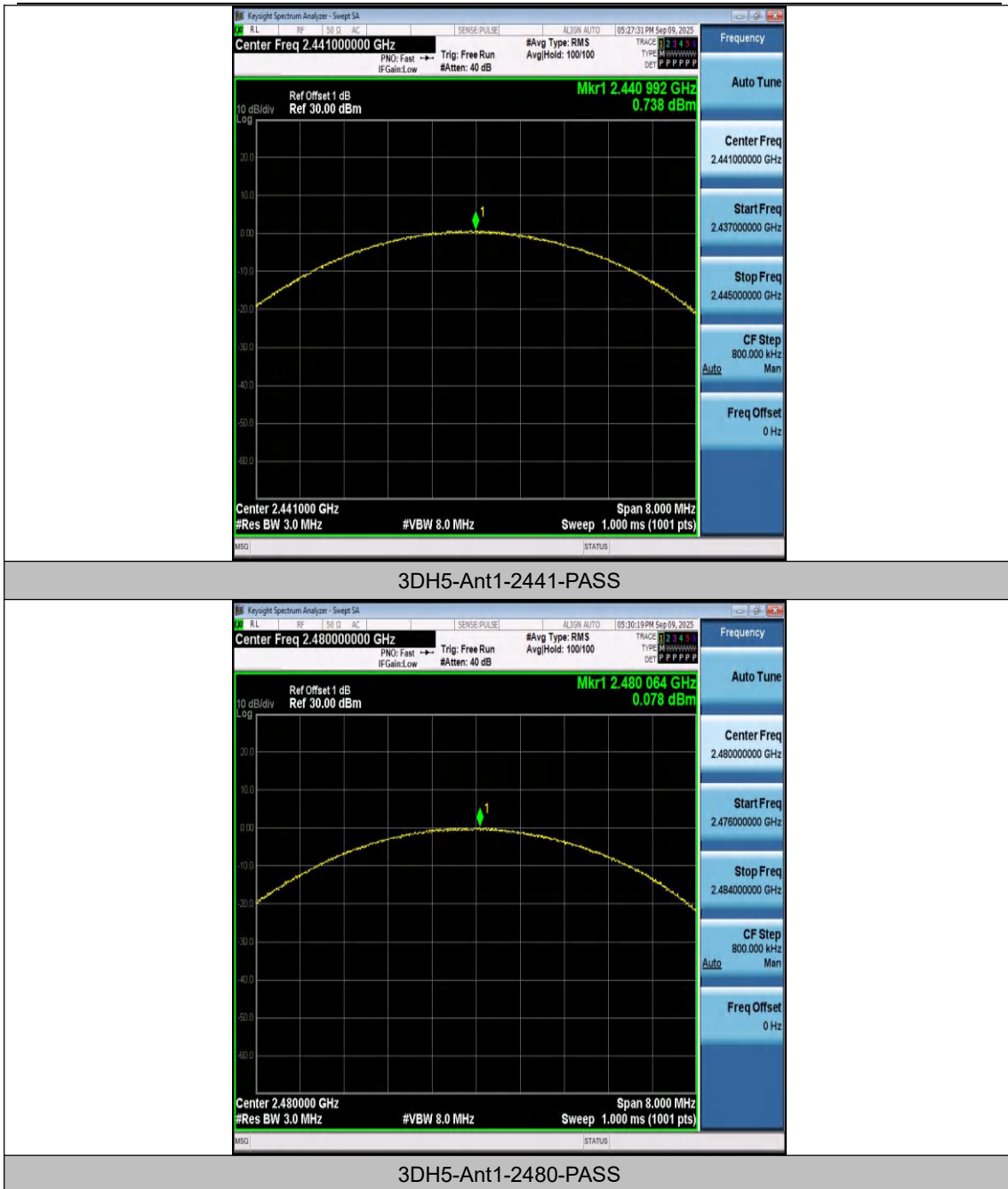
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.694	≥ 0.644	PASS
2DH5	Ant1	Hop	1.018	≥ 0.884	PASS
3DH5	Ant1	Hop	1.188	≥ 0.892	PASS

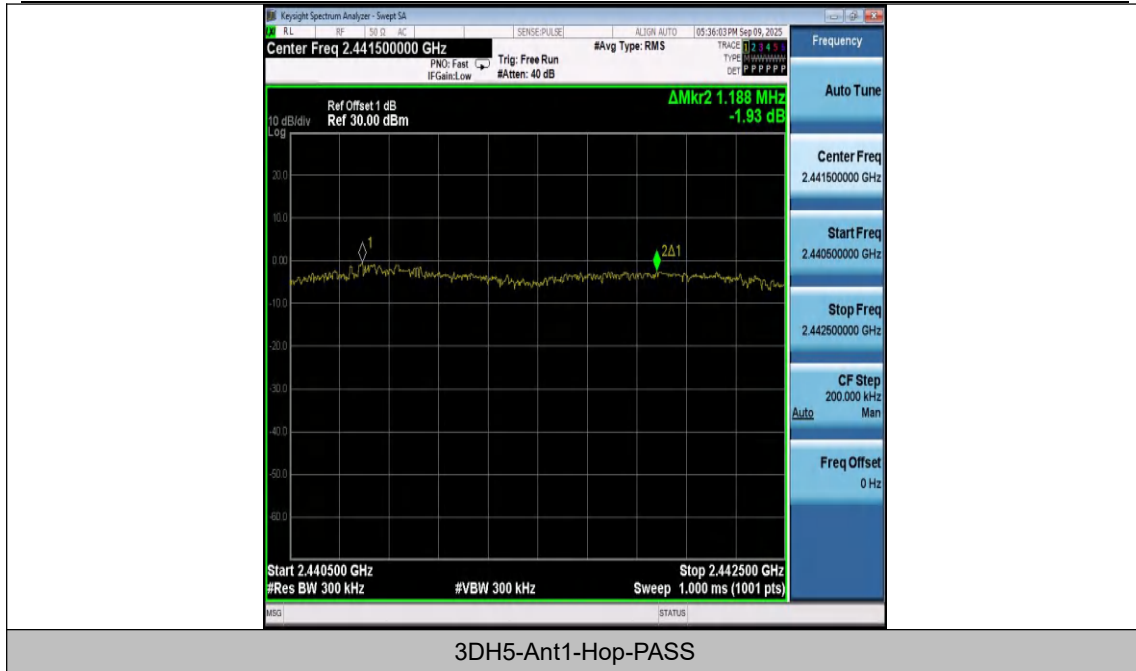
Test Graphs



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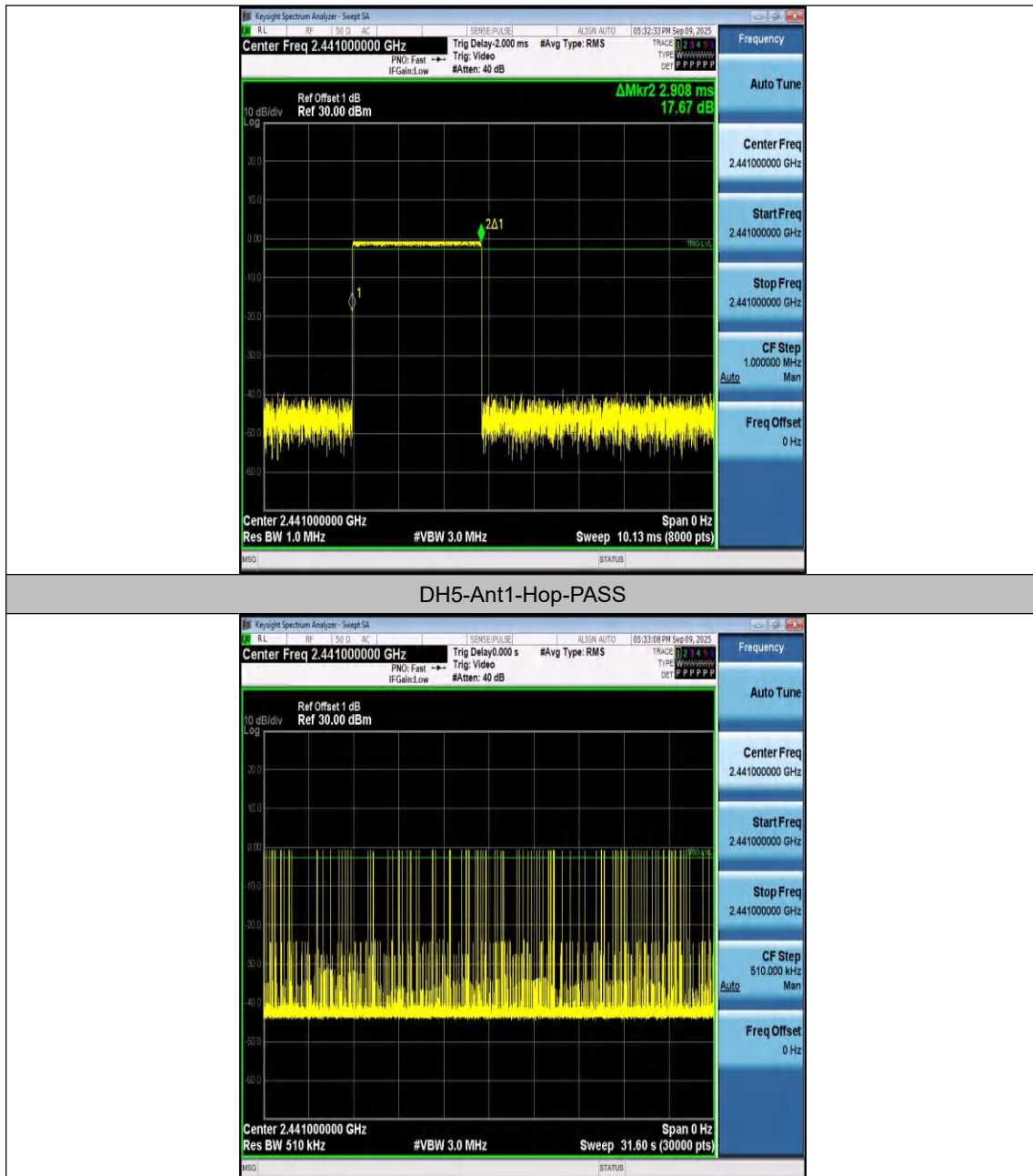
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.908	112	0.326	≤0.4	PASS
2DH5	Ant1	Hop	2.915	109	0.318	≤0.4	PASS
3DH5	Ant1	Hop	2.917	107	0.312	≤0.4	PASS

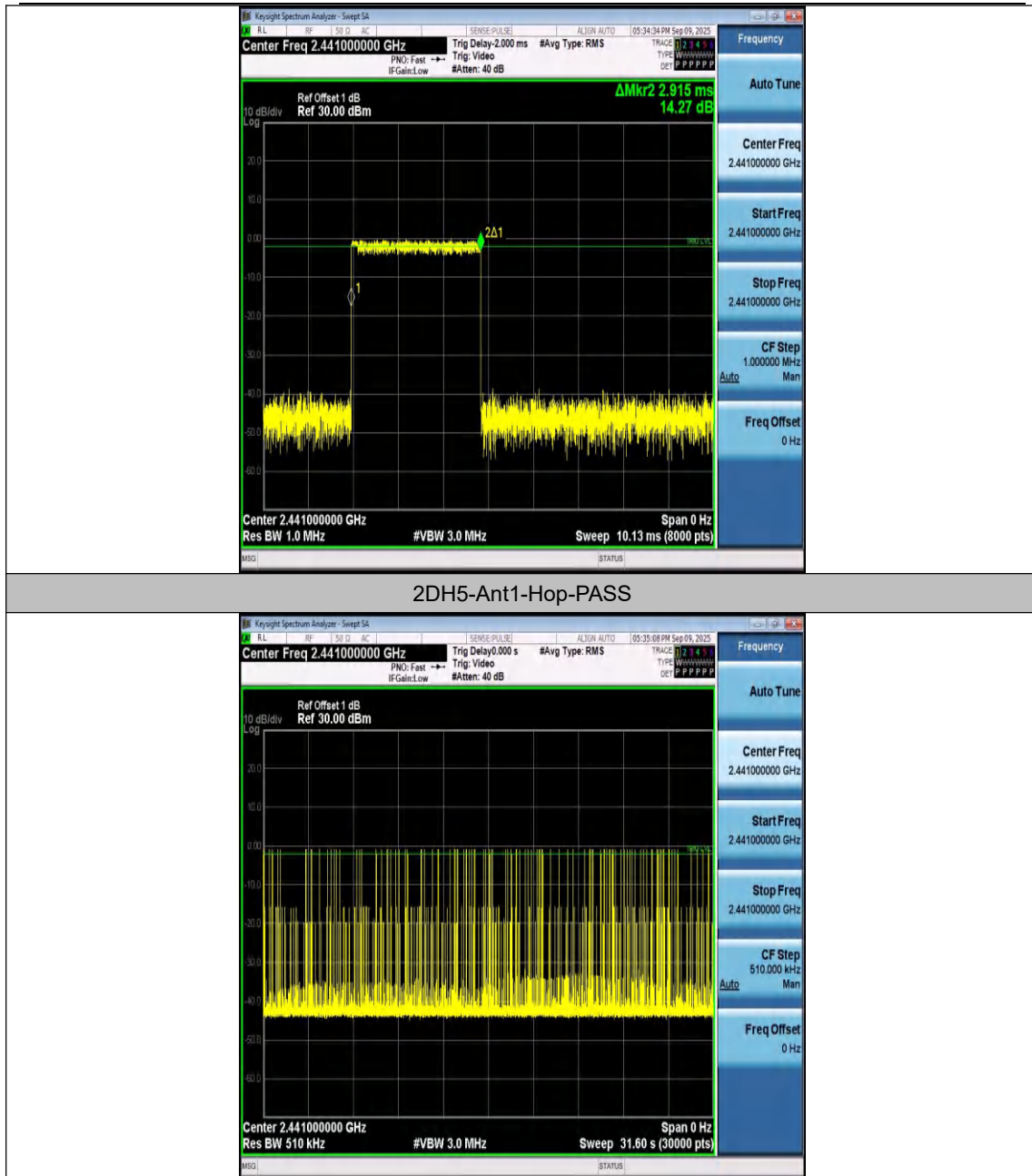
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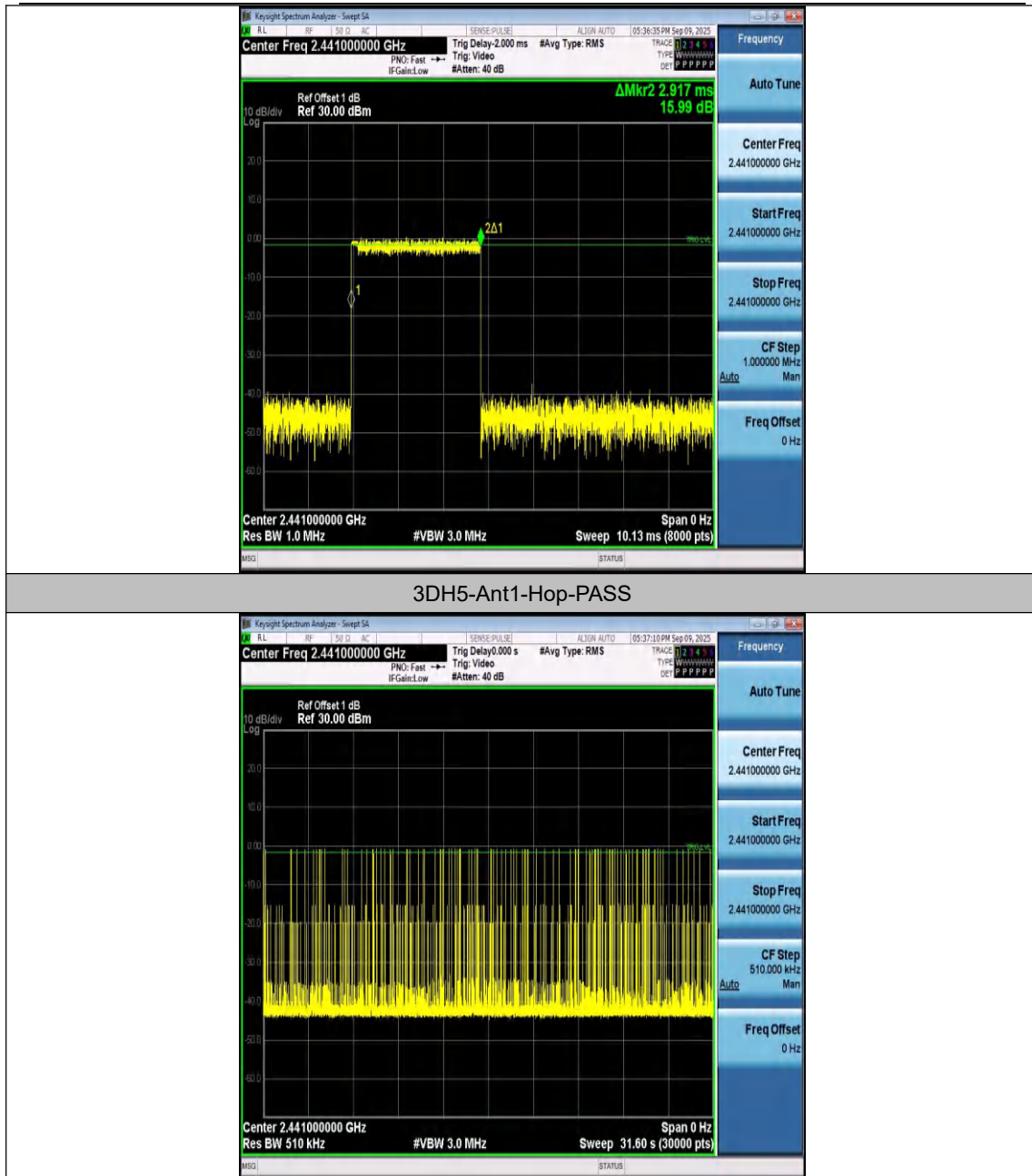
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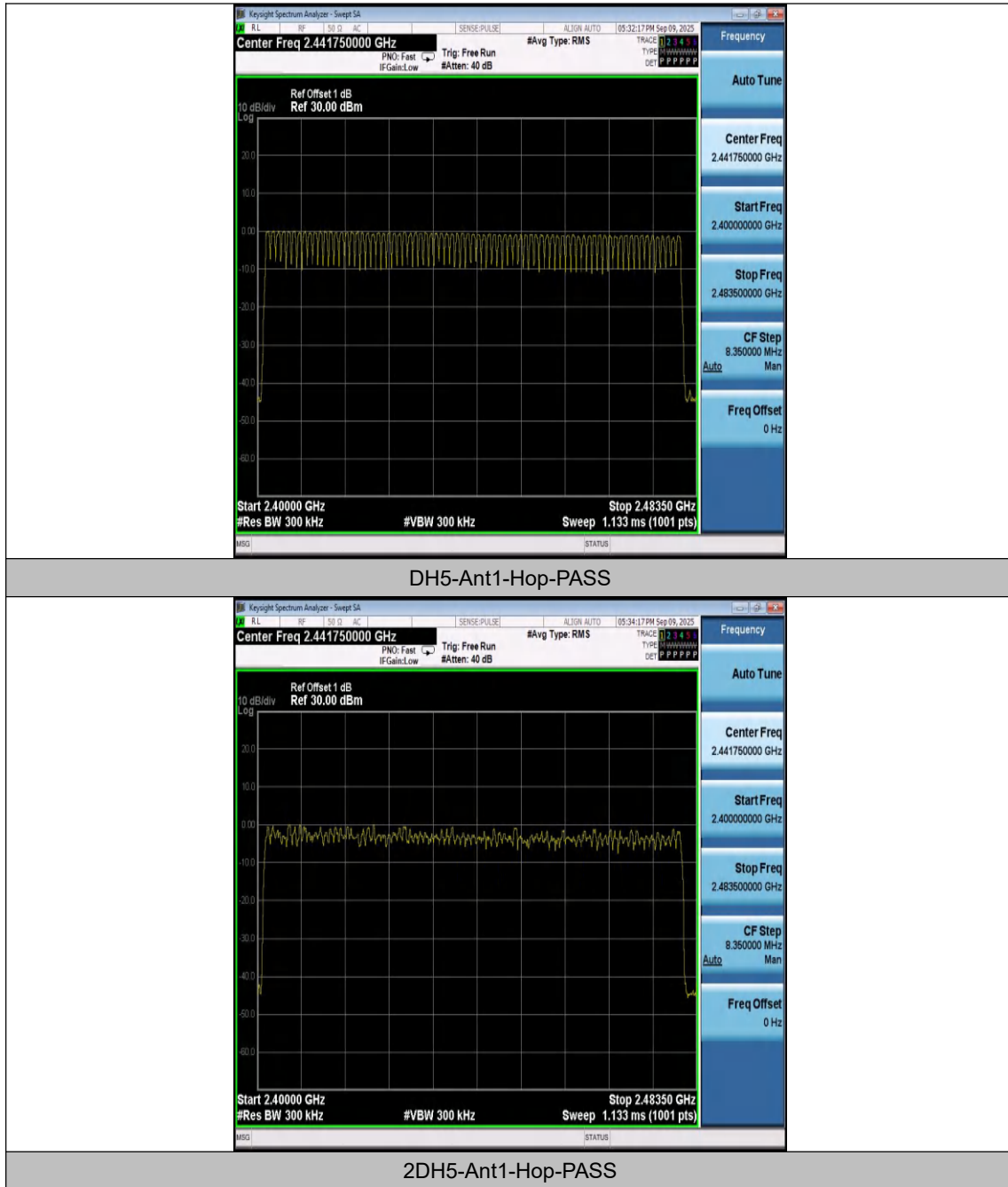
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Appendix F: Number of Hopping Channel

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

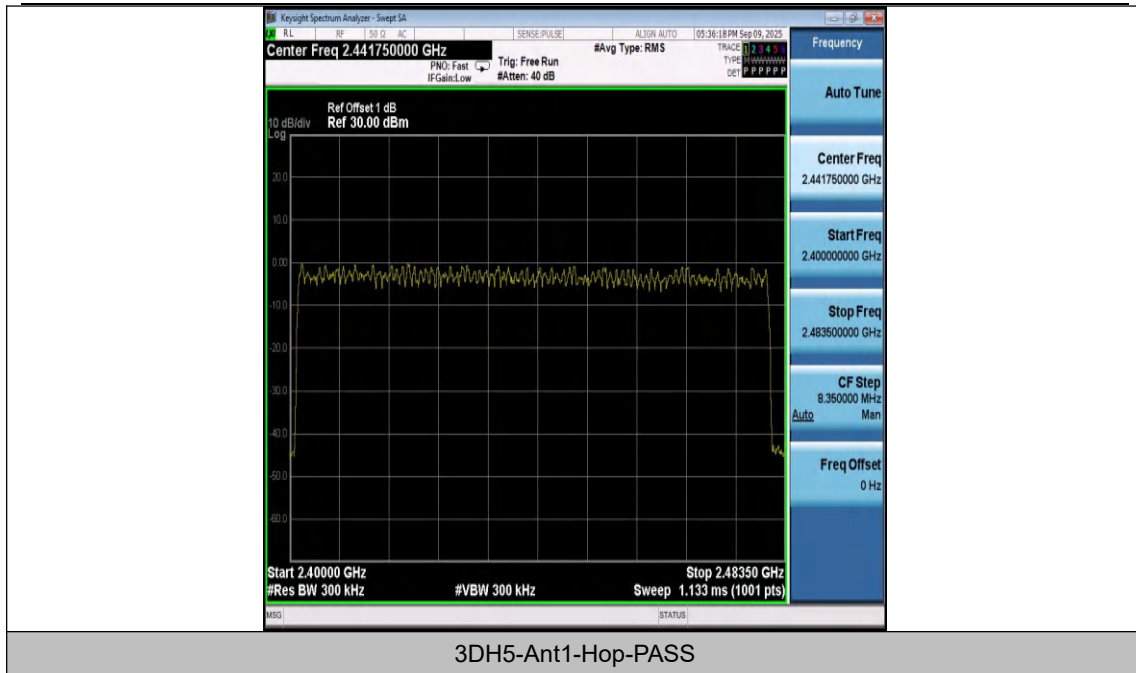
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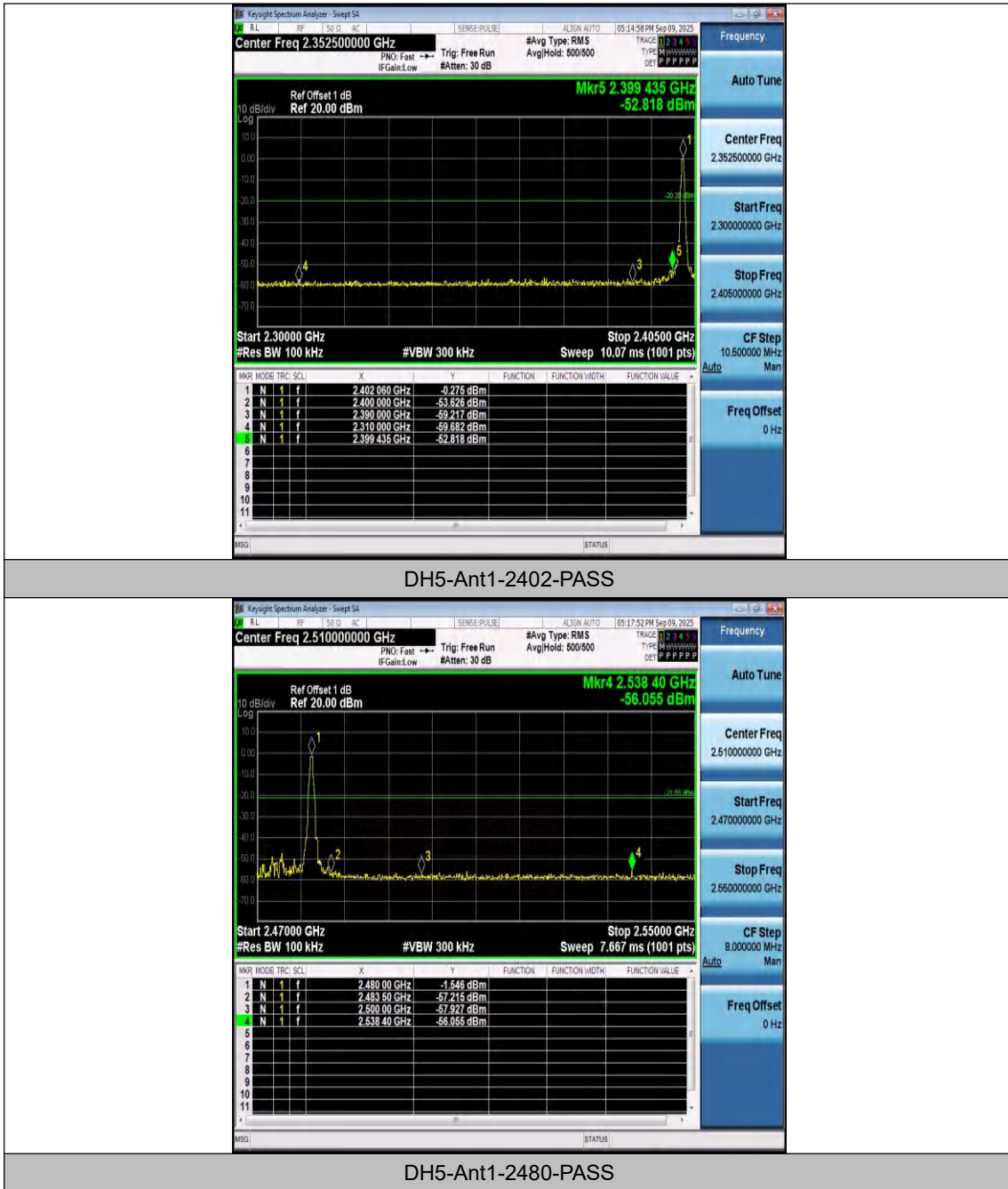
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.28	-52.82	≤-20.28	PASS
DH5	Ant1	High	2480	-1.55	-56.06	≤-21.55	PASS
DH5	Ant1	Low	Hop_2402	-0.55	-53.26	≤-20.55	PASS
DH5	Ant1	High	Hop_2480	-1.40	-49.42	≤-21.4	PASS
2DH5	Ant1	Low	2402	-0.32	-50.66	≤-20.32	PASS
2DH5	Ant1	High	2480	-1.63	-55.81	≤-21.63	PASS
2DH5	Ant1	Low	Hop_2402	-4.42	-56.18	≤-24.42	PASS
2DH5	Ant1	High	Hop_2480	-1.66	-42.15	≤-21.66	PASS
3DH5	Ant1	Low	2402	-0.28	-50.91	≤-20.28	PASS
3DH5	Ant1	High	2480	-1.70	-53.26	≤-21.7	PASS
3DH5	Ant1	Low	Hop_2402	-1.76	-54.44	≤-21.76	PASS
3DH5	Ant1	High	Hop_2480	-1.58	-41.82	≤-21.58	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.

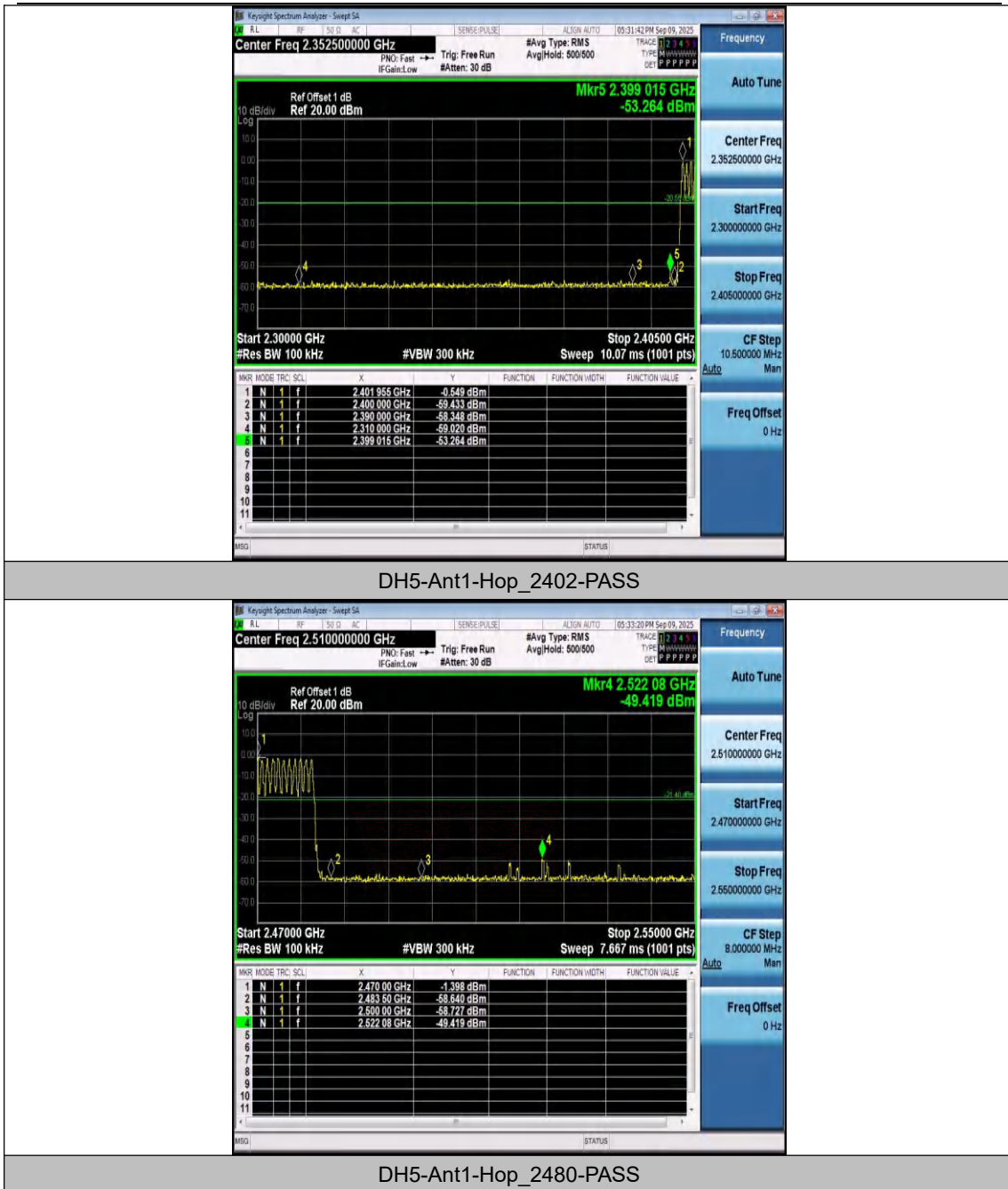
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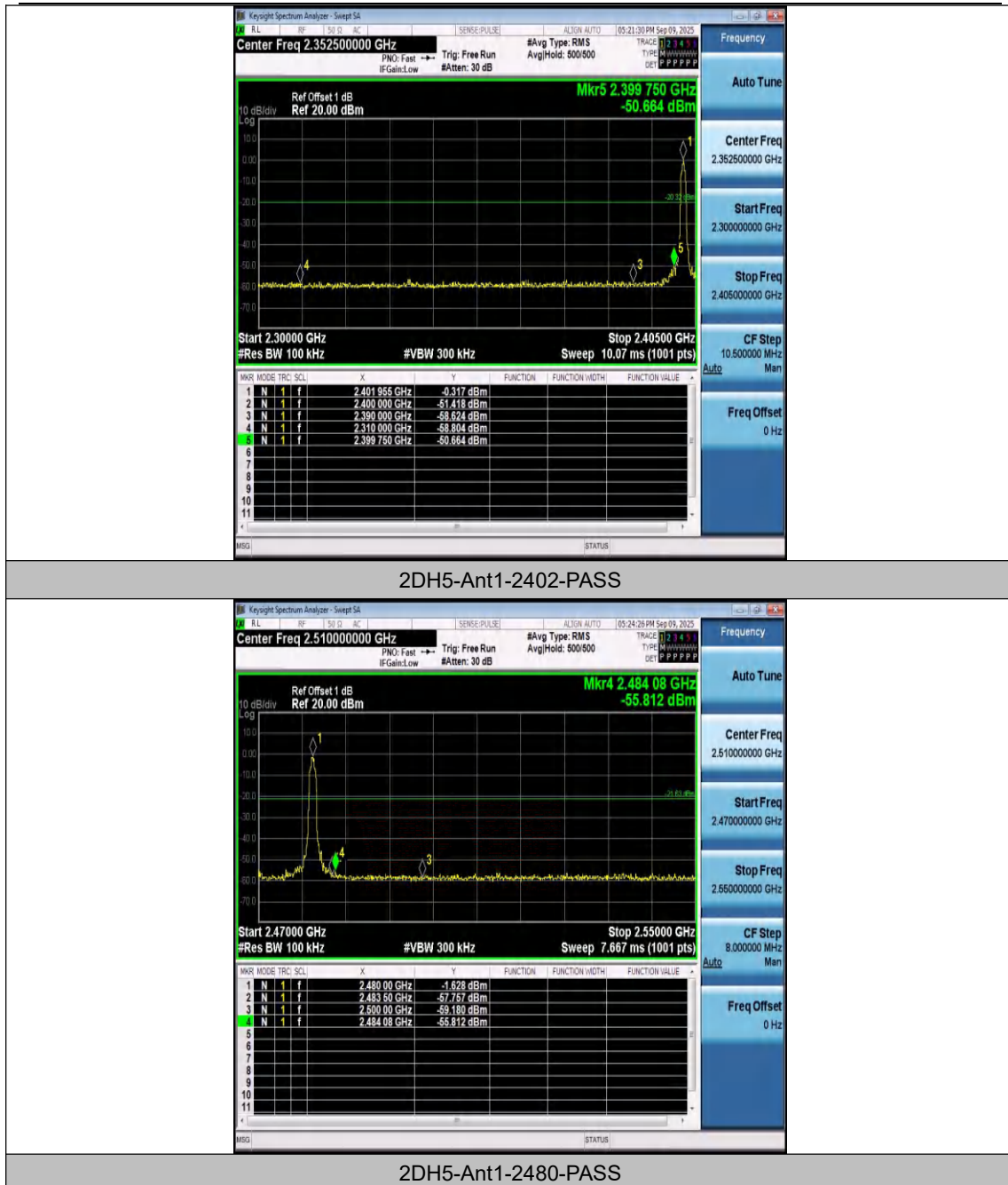
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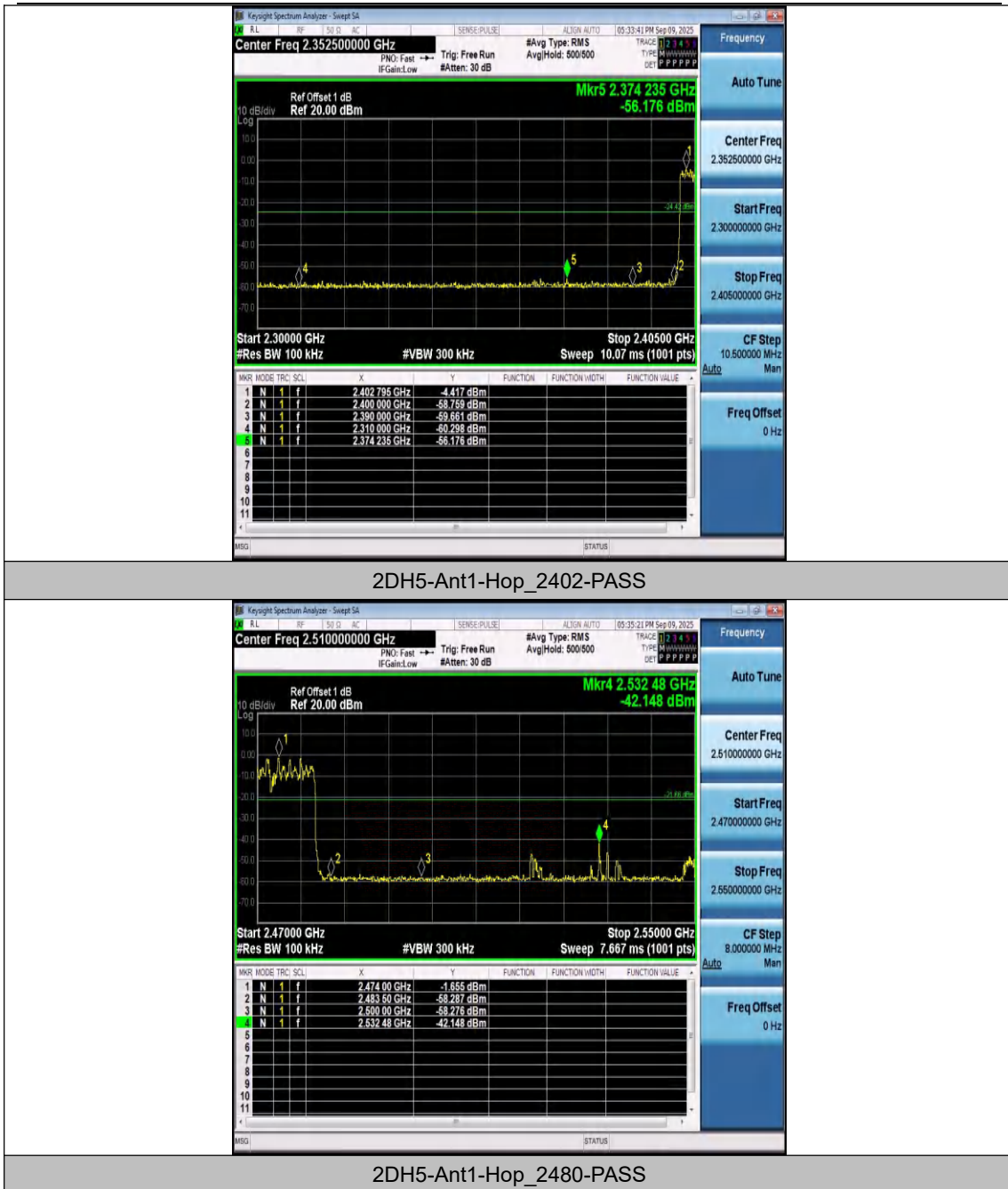
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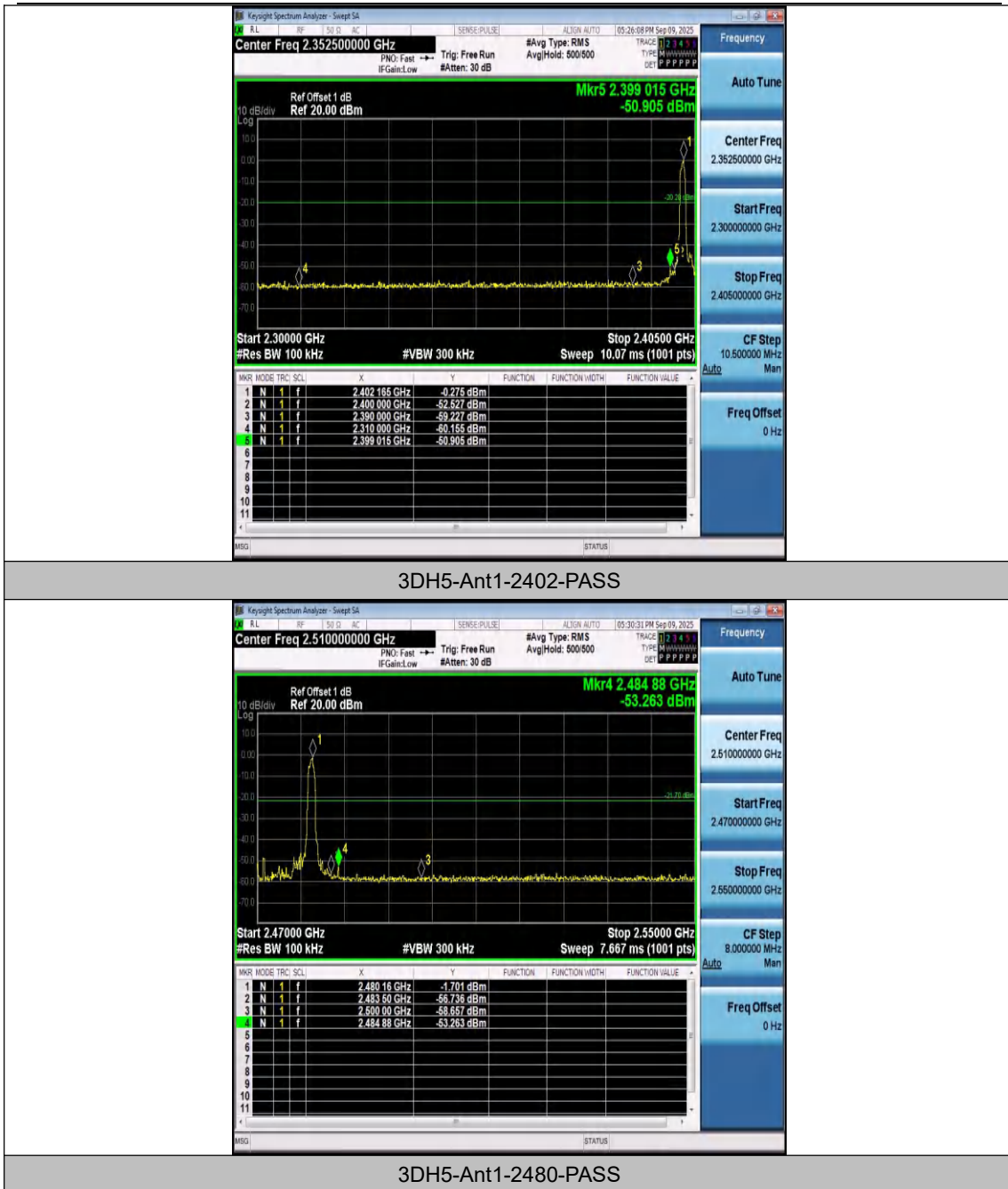
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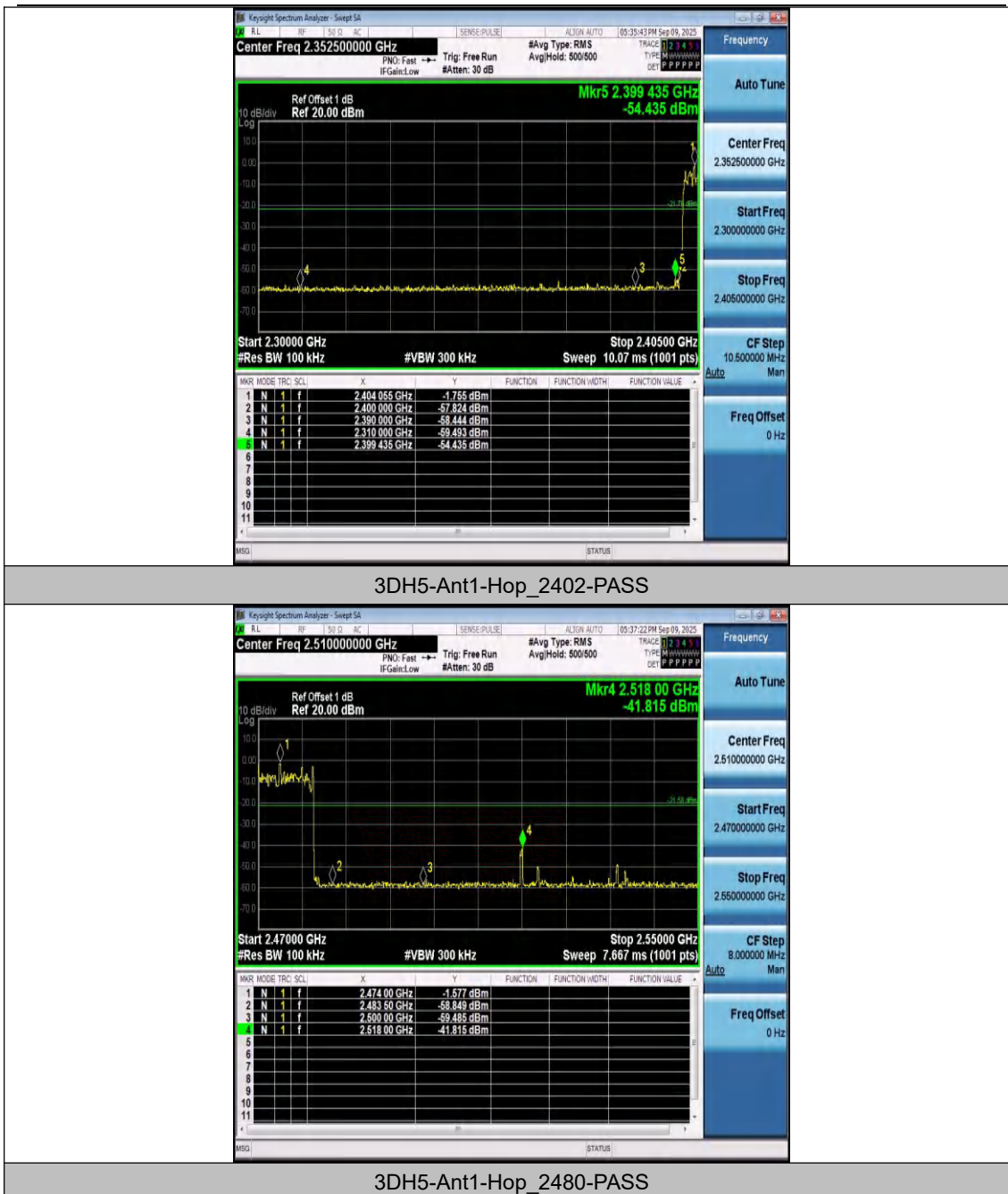


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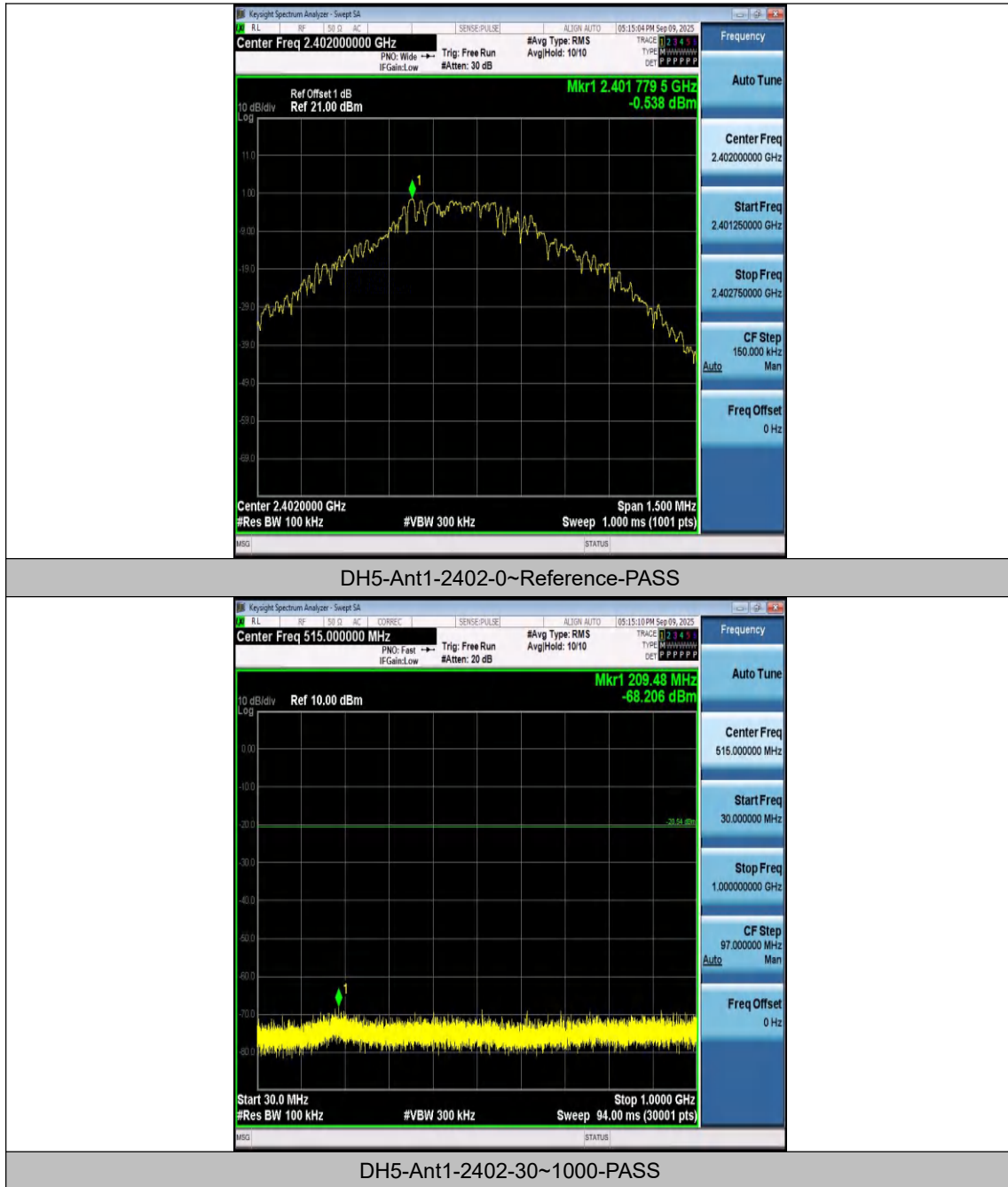
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.54	-0.54	---	PASS
DH5	Ant1	2402	30~1000	-0.54	-68.21	≤-20.54	PASS
DH5	Ant1	2402	1000~26500	-0.54	-51.44	≤-20.54	PASS
DH5	Ant1	2441	0~Reference	-1.43	-1.43	---	PASS
DH5	Ant1	2441	30~1000	-1.43	-58.12	≤-21.43	PASS
DH5	Ant1	2441	1000~26500	-1.43	-47.75	≤-21.43	PASS
DH5	Ant1	2480	0~Reference	-2.08	-2.08	---	PASS
DH5	Ant1	2480	30~1000	-2.08	-68.55	≤-22.08	PASS
DH5	Ant1	2480	1000~26500	-2.08	-50.29	≤-22.08	PASS
2DH5	Ant1	2402	0~Reference	-5.02	-5.02	---	PASS
2DH5	Ant1	2402	30~1000	-5.02	-68.1	≤-25.02	PASS
2DH5	Ant1	2402	1000~26500	-5.02	-35.27	≤-25.02	PASS
2DH5	Ant1	2441	0~Reference	-1.72	-1.72	---	PASS
2DH5	Ant1	2441	30~1000	-1.72	-68.66	≤-21.72	PASS
2DH5	Ant1	2441	1000~26500	-1.72	-53.93	≤-21.72	PASS
2DH5	Ant1	2480	0~Reference	-2.06	-2.06	---	PASS
2DH5	Ant1	2480	30~1000	-2.06	-67.55	≤-22.06	PASS
2DH5	Ant1	2480	1000~26500	-2.06	-53.41	≤-22.06	PASS
3DH5	Ant1	2402	0~Reference	-4.14	-4.14	---	PASS
3DH5	Ant1	2402	30~1000	-4.14	-68.63	≤-24.14	PASS
3DH5	Ant1	2402	1000~26500	-4.14	-53.1	≤-24.14	PASS
3DH5	Ant1	2441	0~Reference	-4.57	-4.57	---	PASS
3DH5	Ant1	2441	30~1000	-4.57	-68.95	≤-24.57	PASS
3DH5	Ant1	2441	1000~26500	-4.57	-53.51	≤-24.57	PASS
3DH5	Ant1	2480	0~Reference	-1.78	-1.78	---	PASS
3DH5	Ant1	2480	30~1000	-1.78	-68.62	≤-21.78	PASS
3DH5	Ant1	2480	1000~26500	-1.78	-53.53	≤-21.78	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.

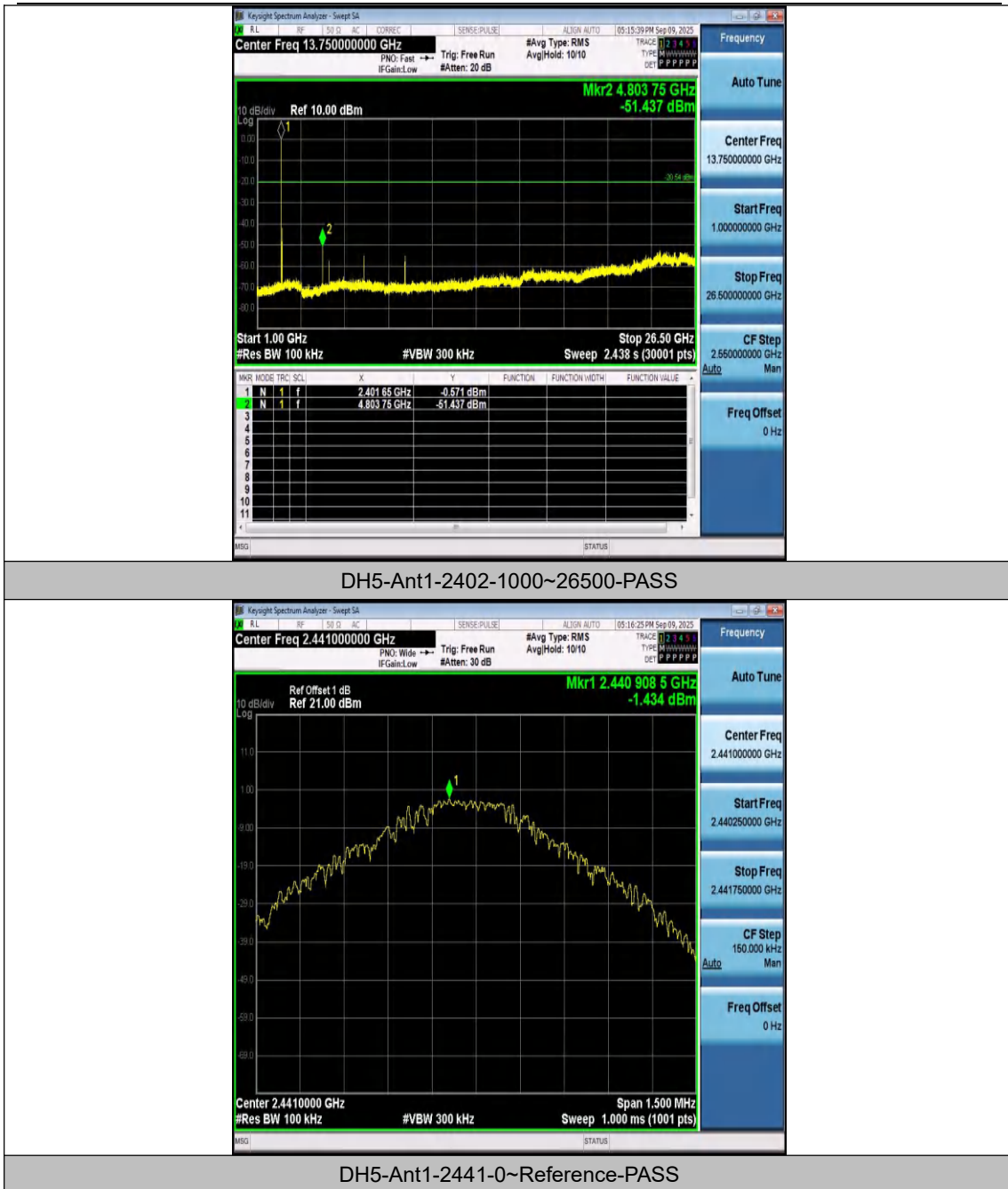
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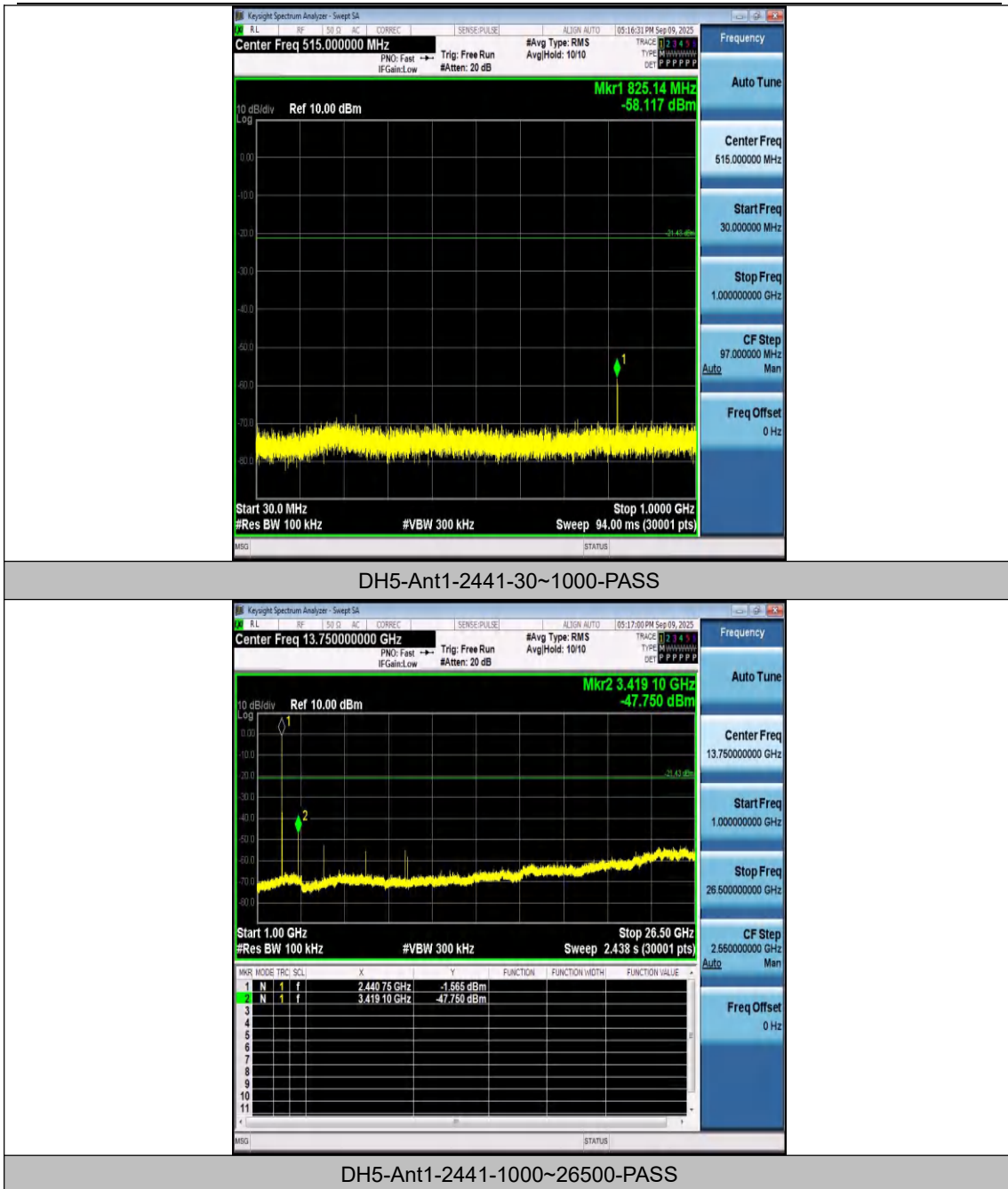
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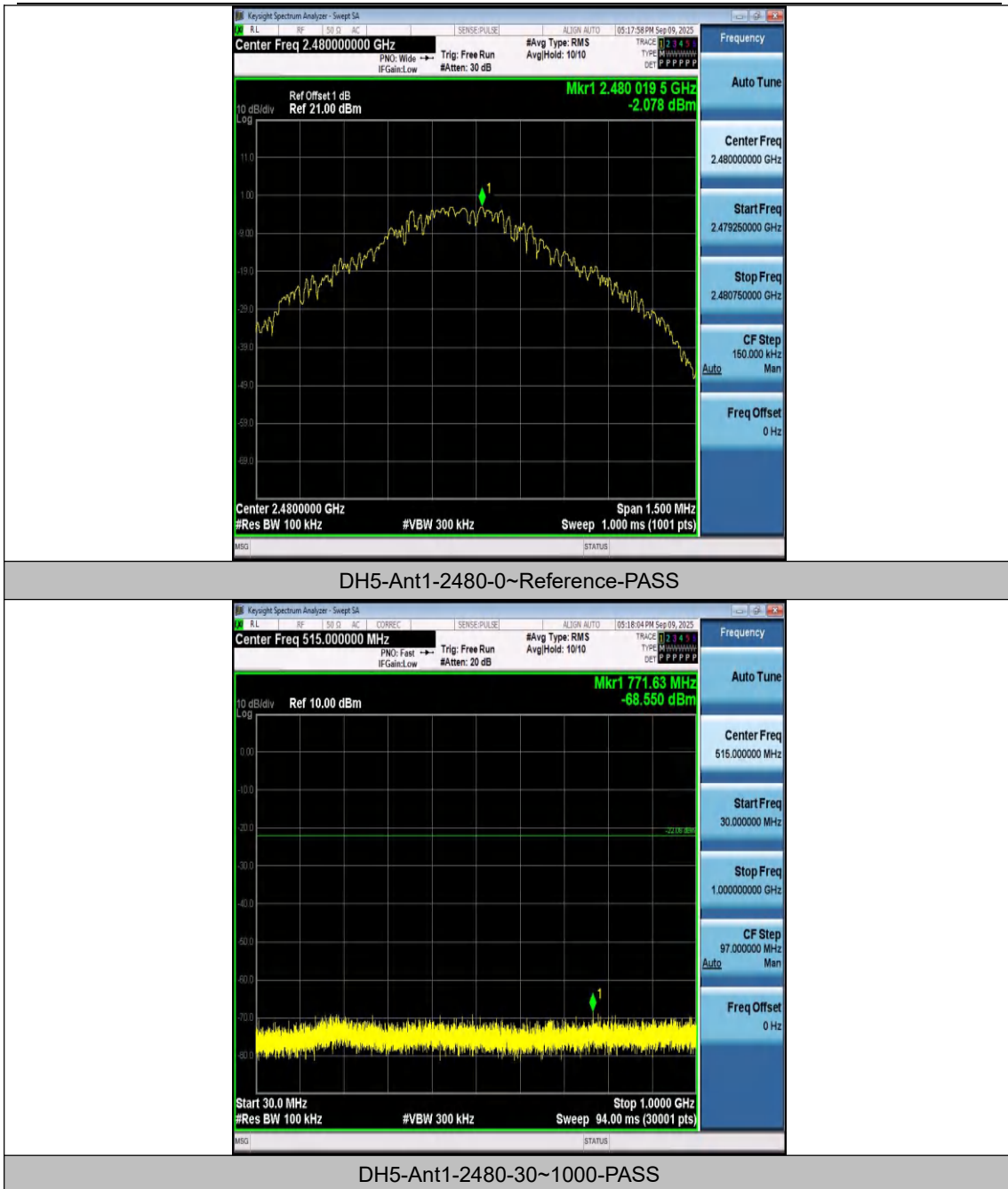
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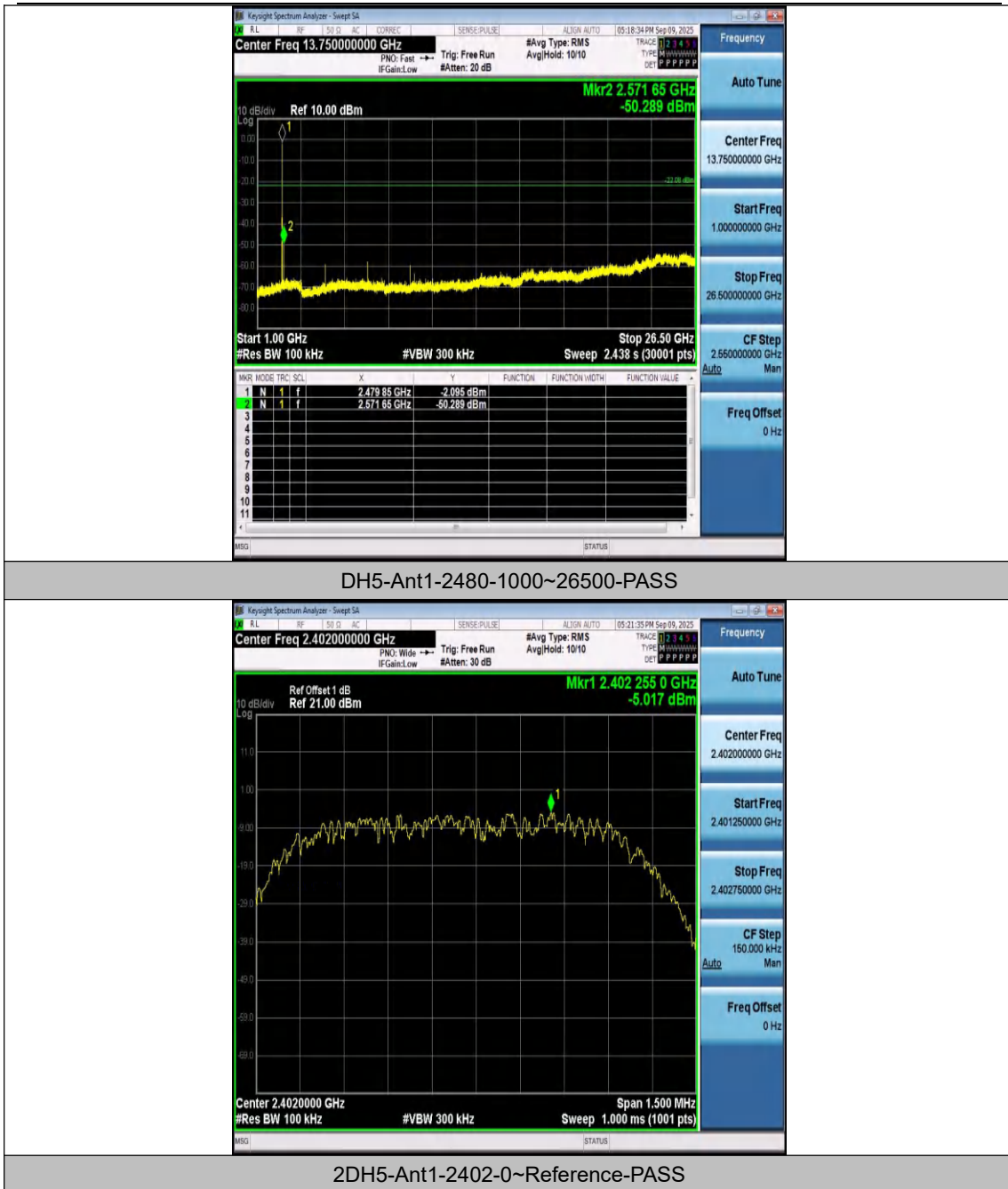
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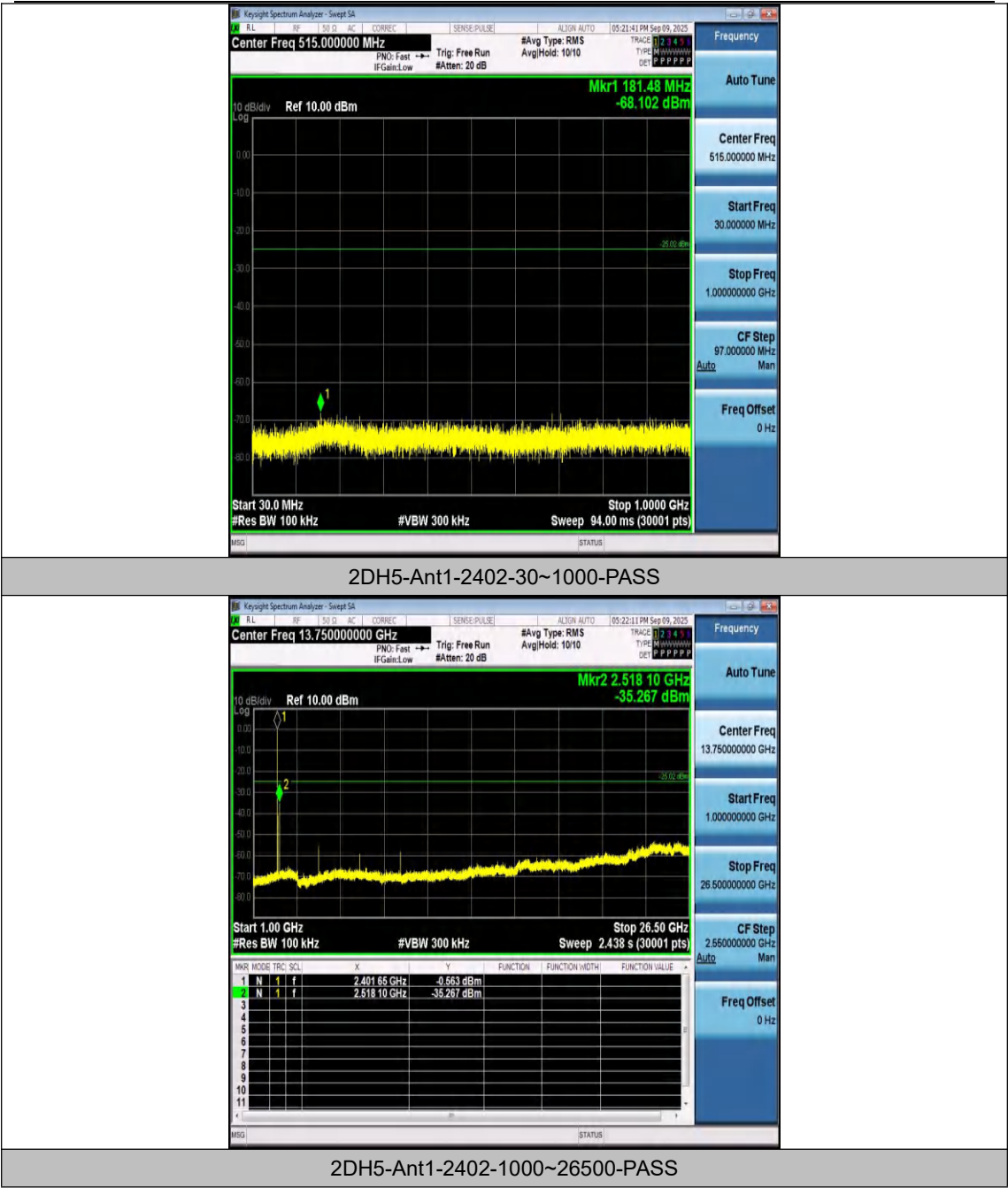
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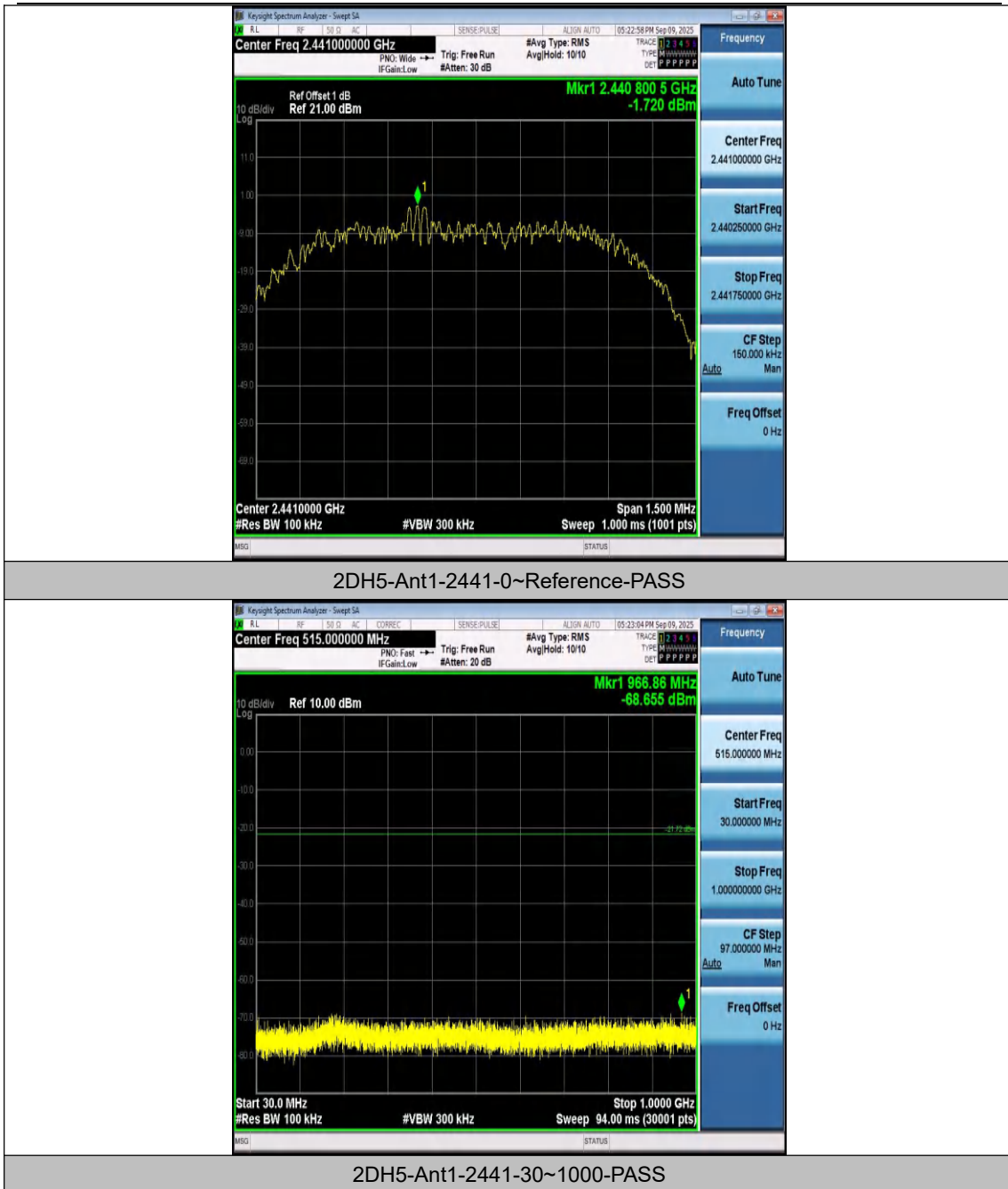


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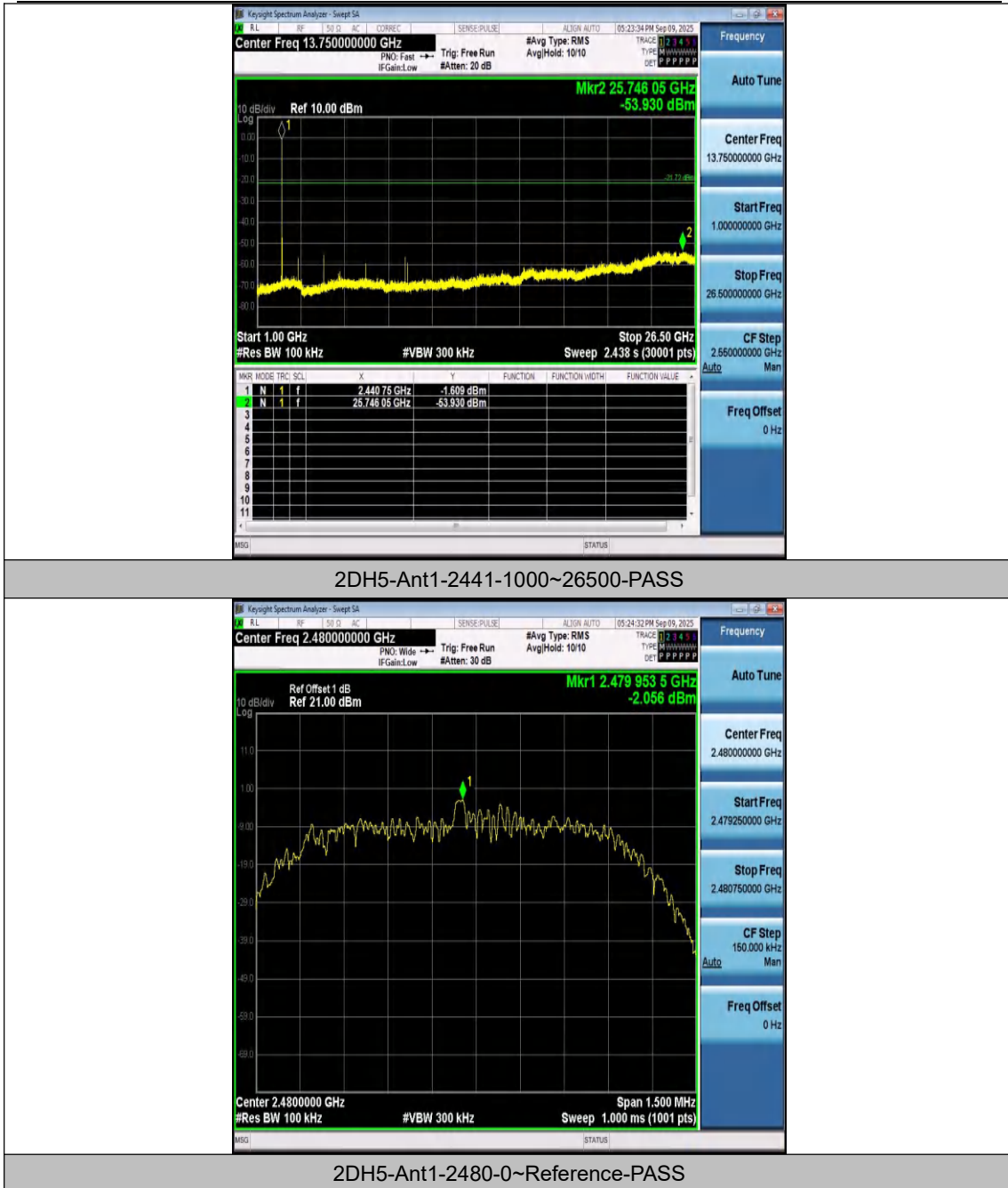




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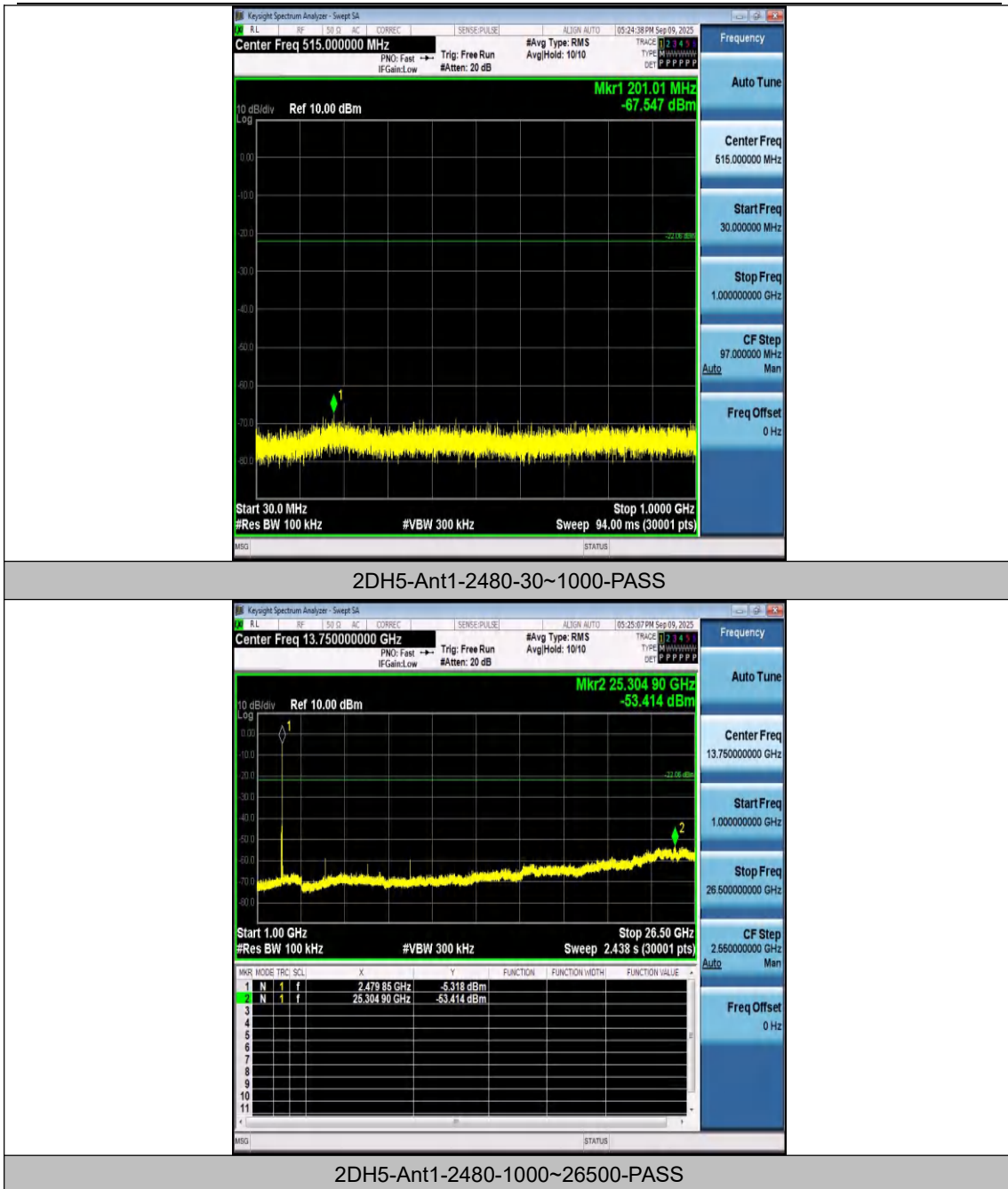
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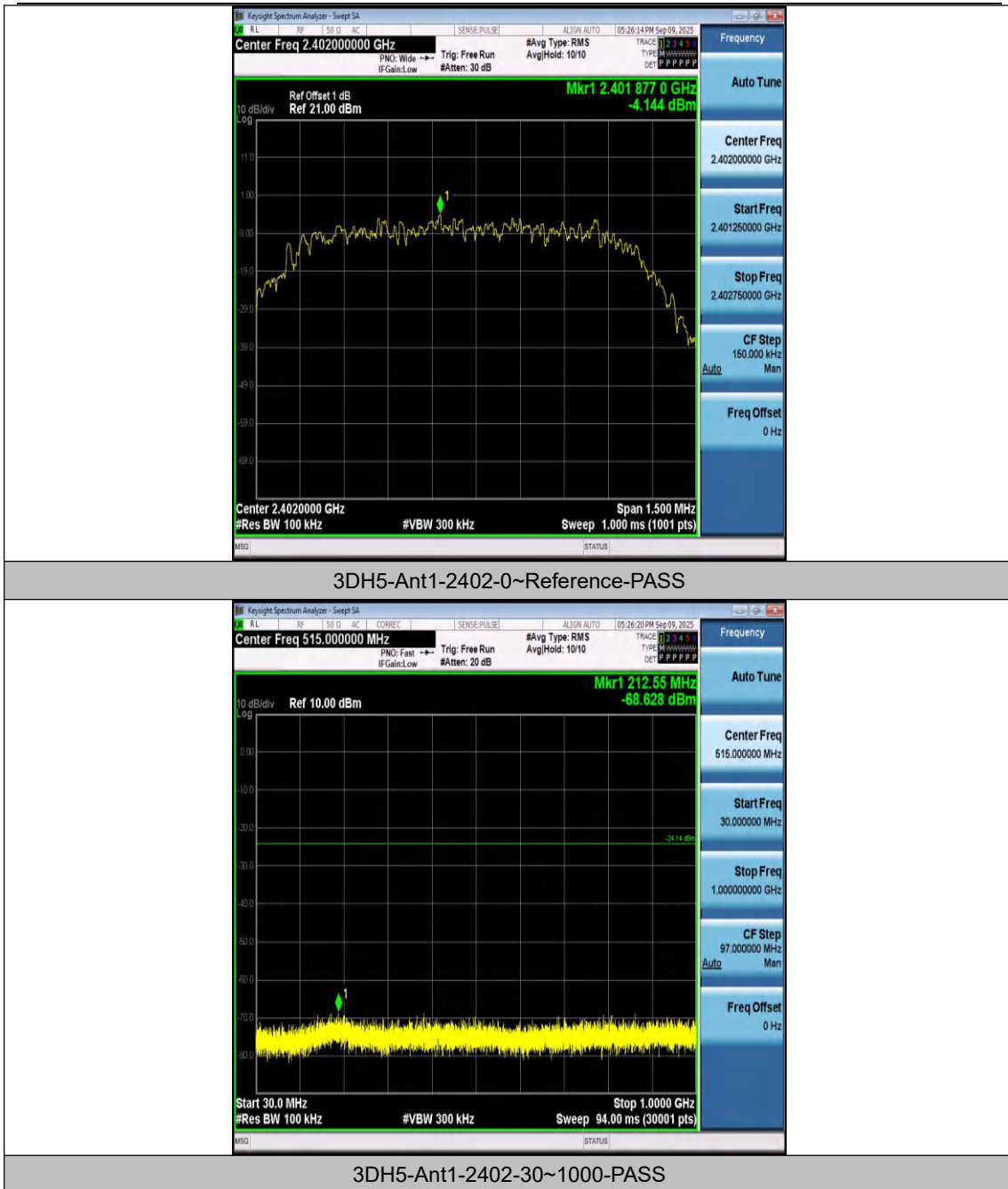
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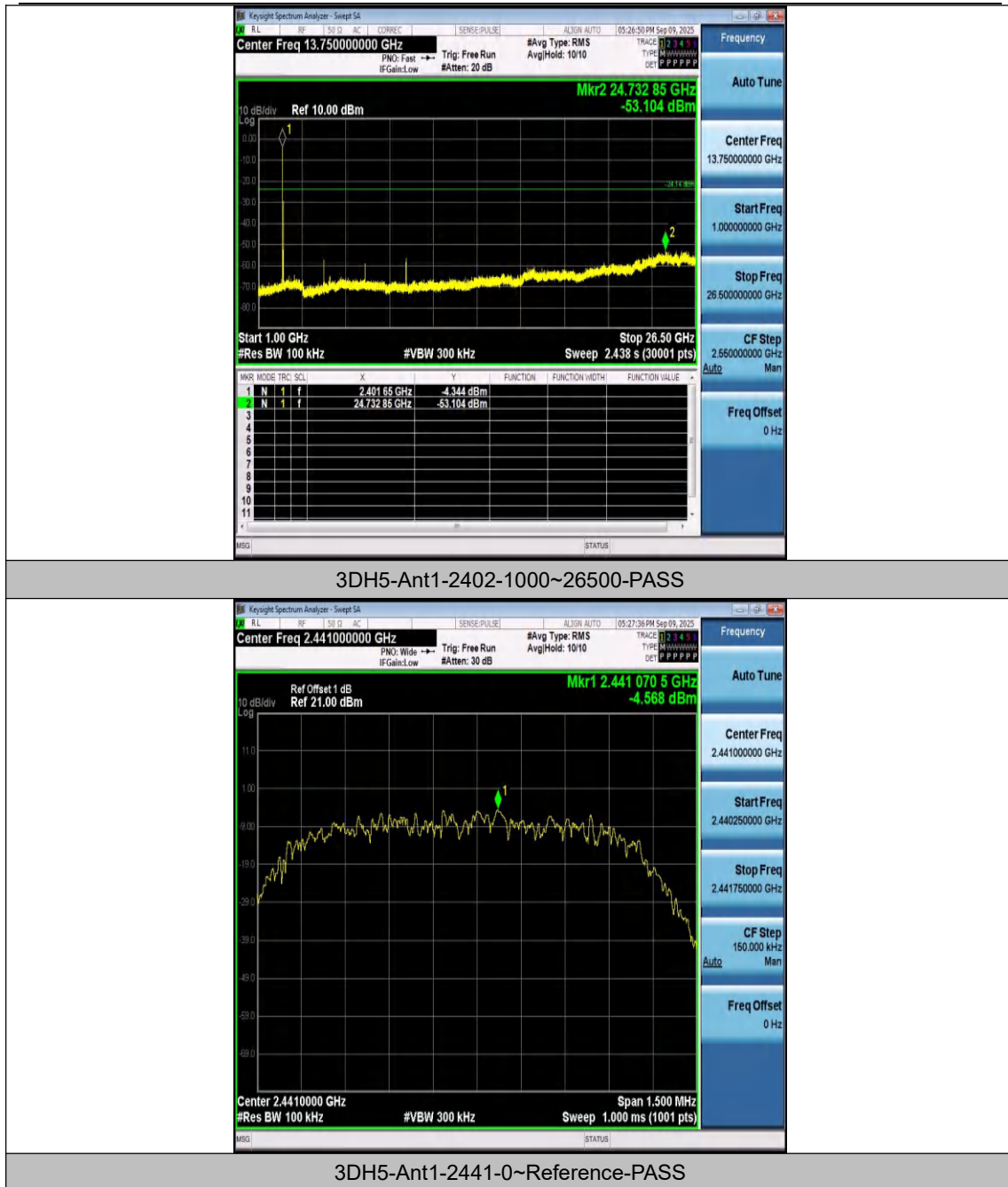
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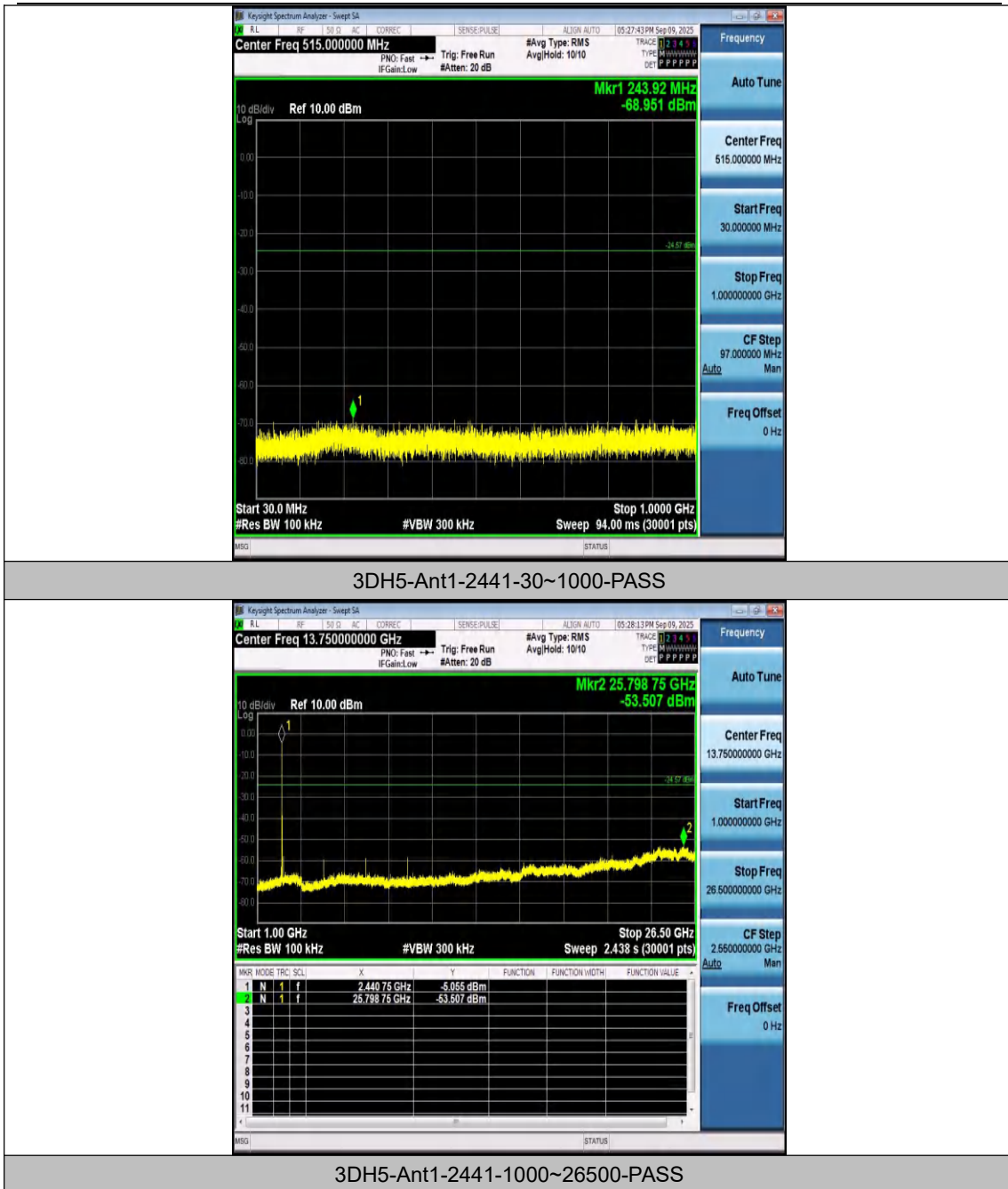
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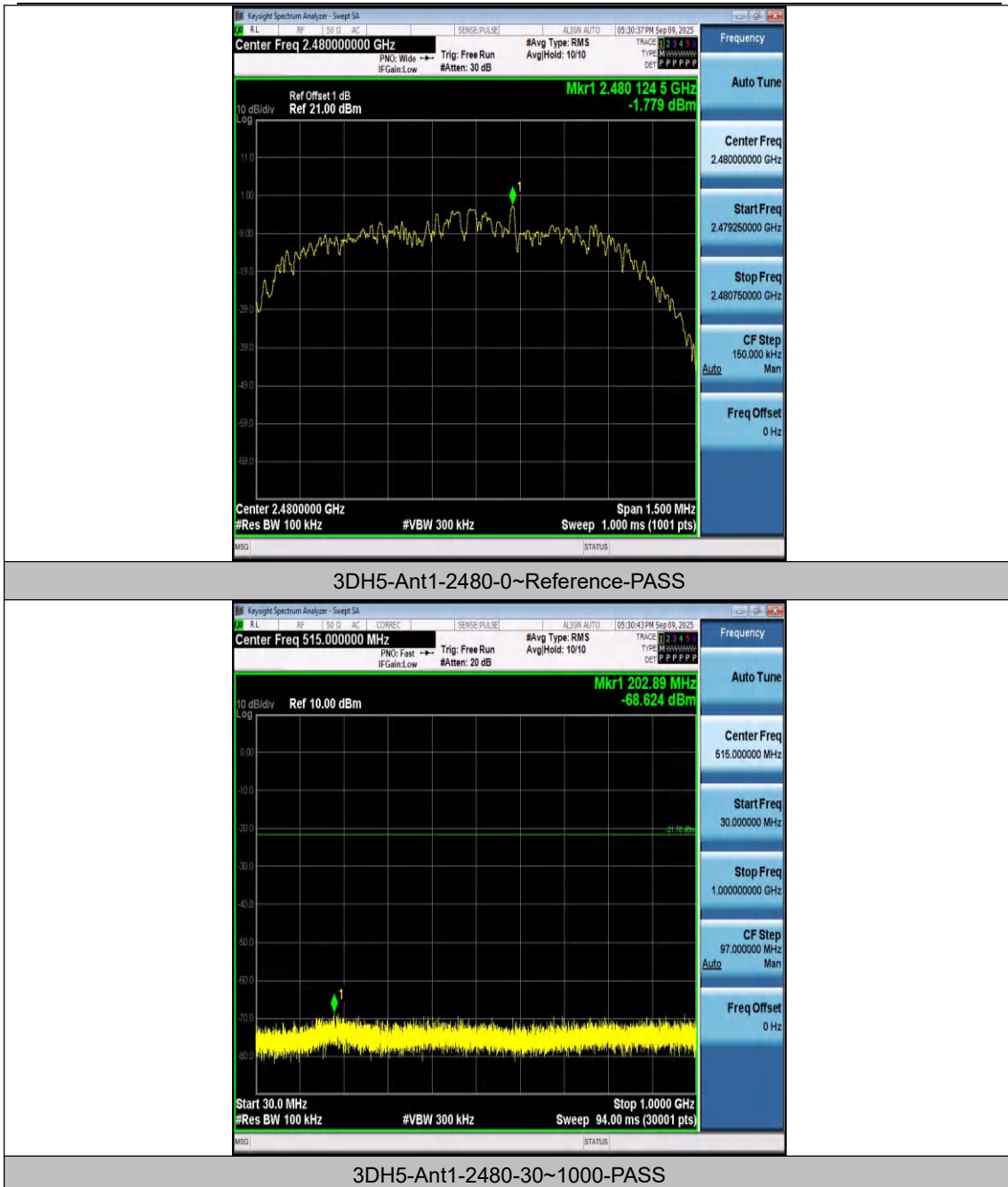


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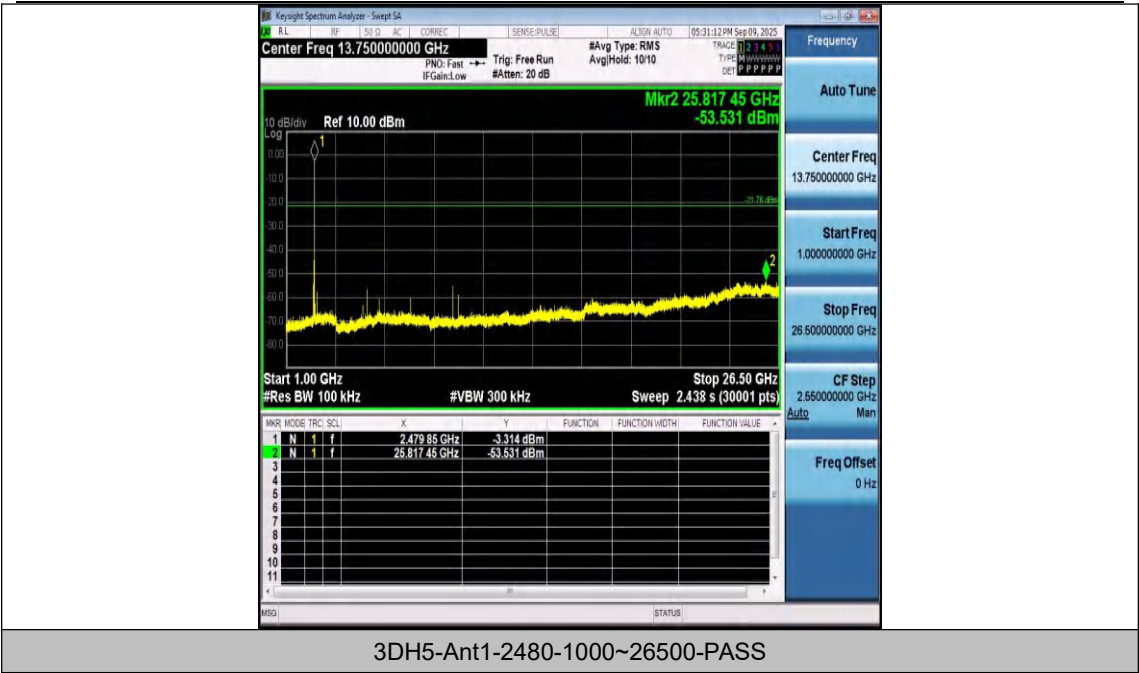




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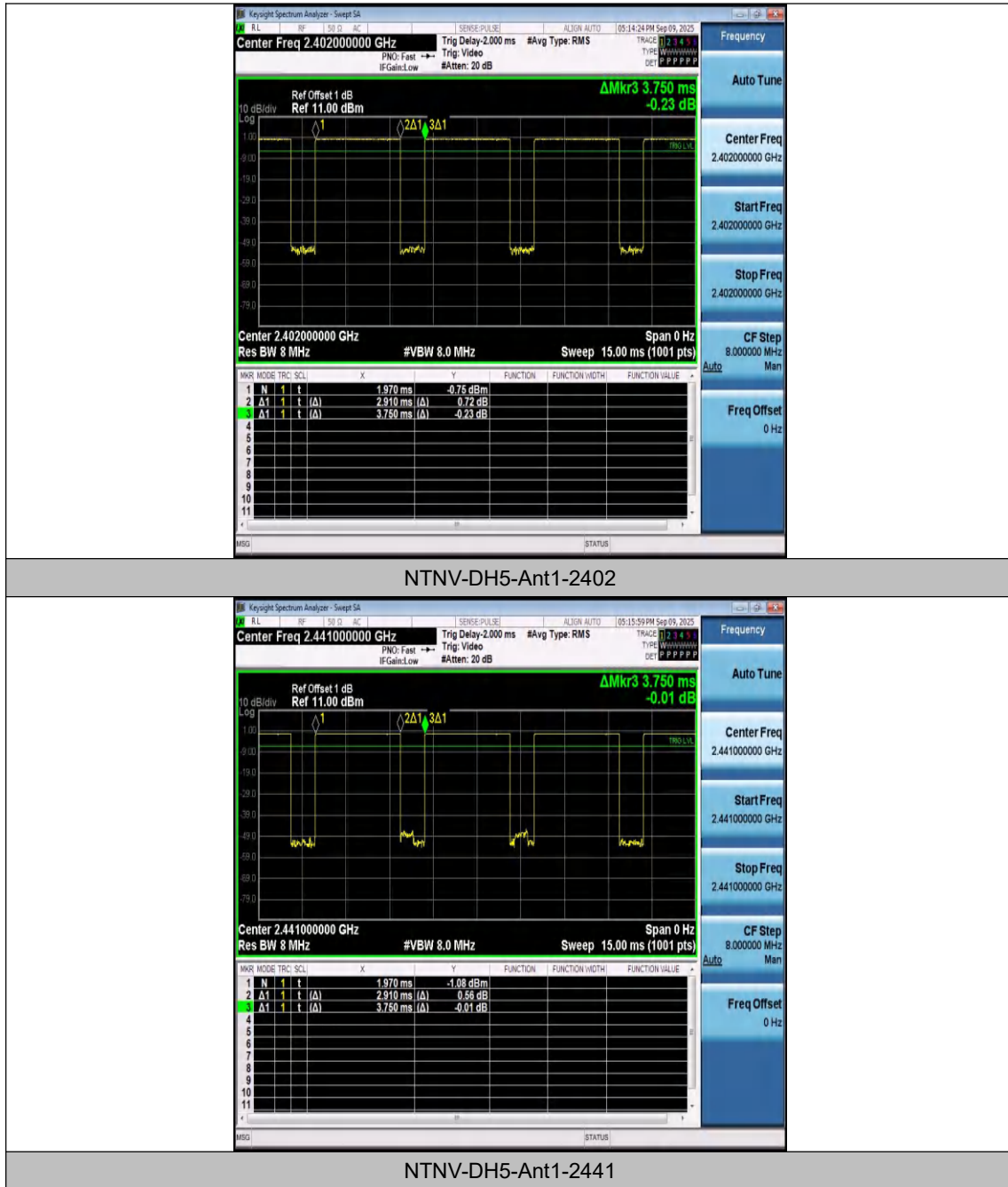
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.93	3.75	78.13	1.07
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.93	3.75	78.13	1.07
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.93	3.75	78.13	1.07
3DH5	Ant1	2480	2.93	3.75	78.13	1.07

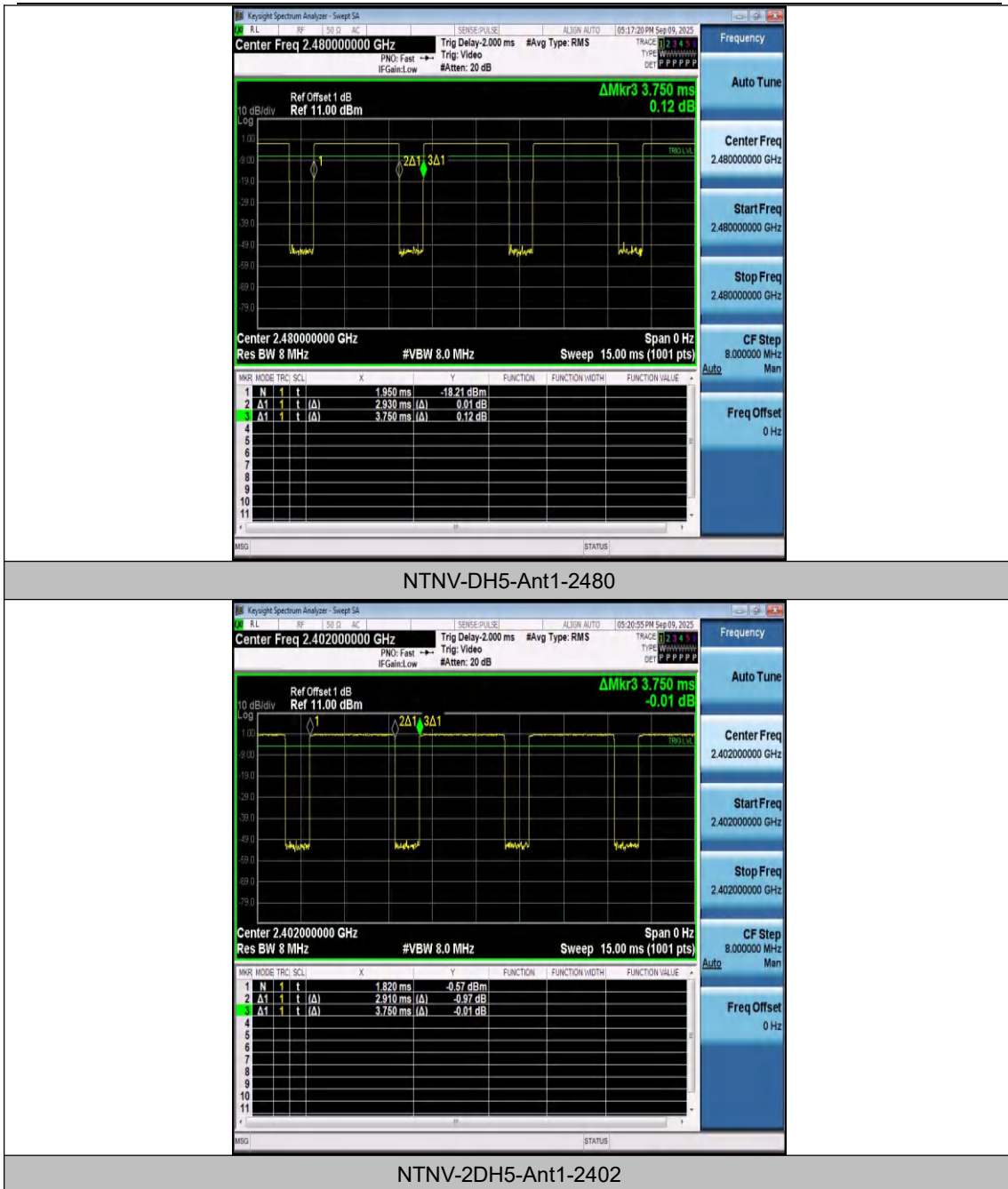
Test Graphs



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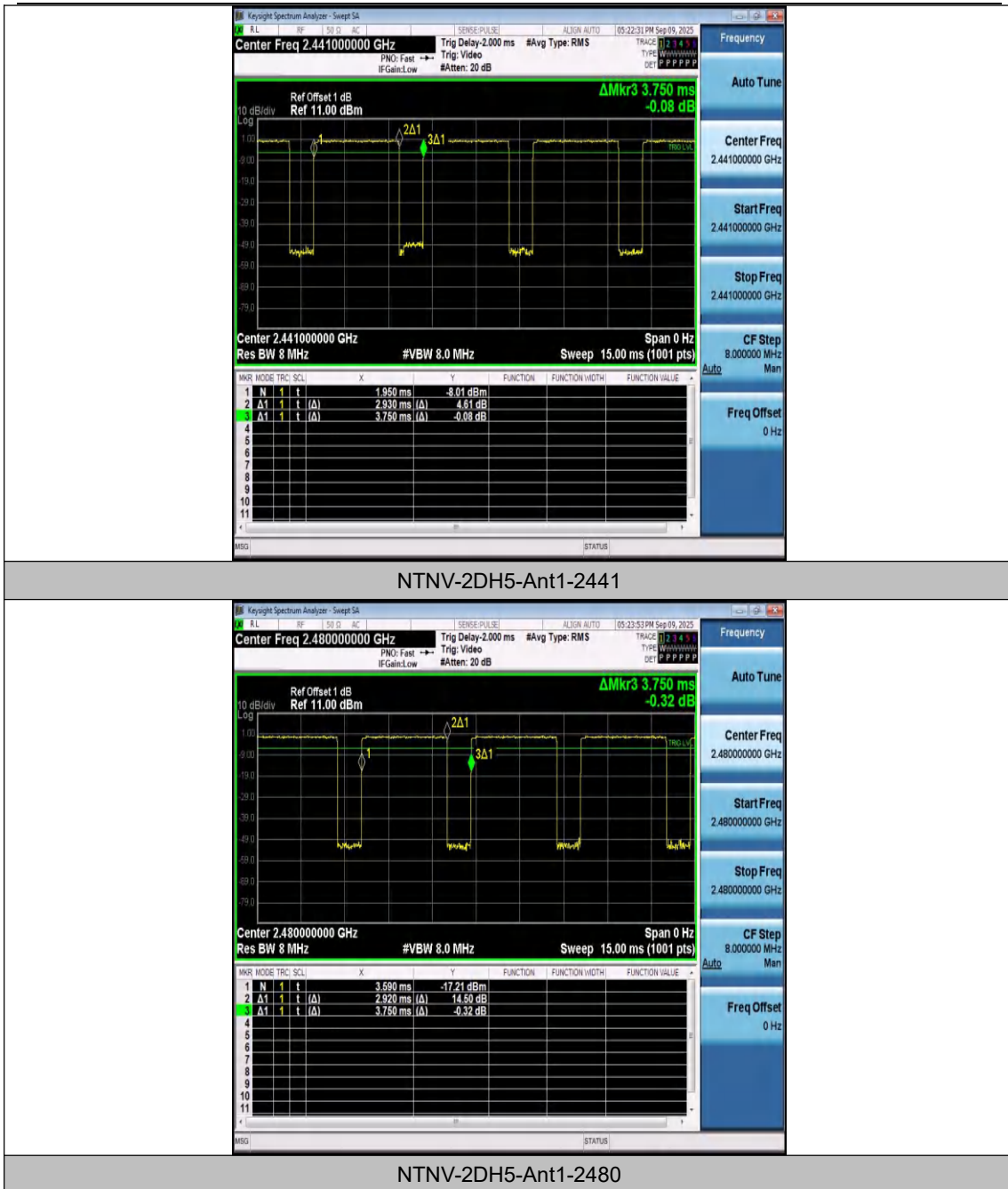
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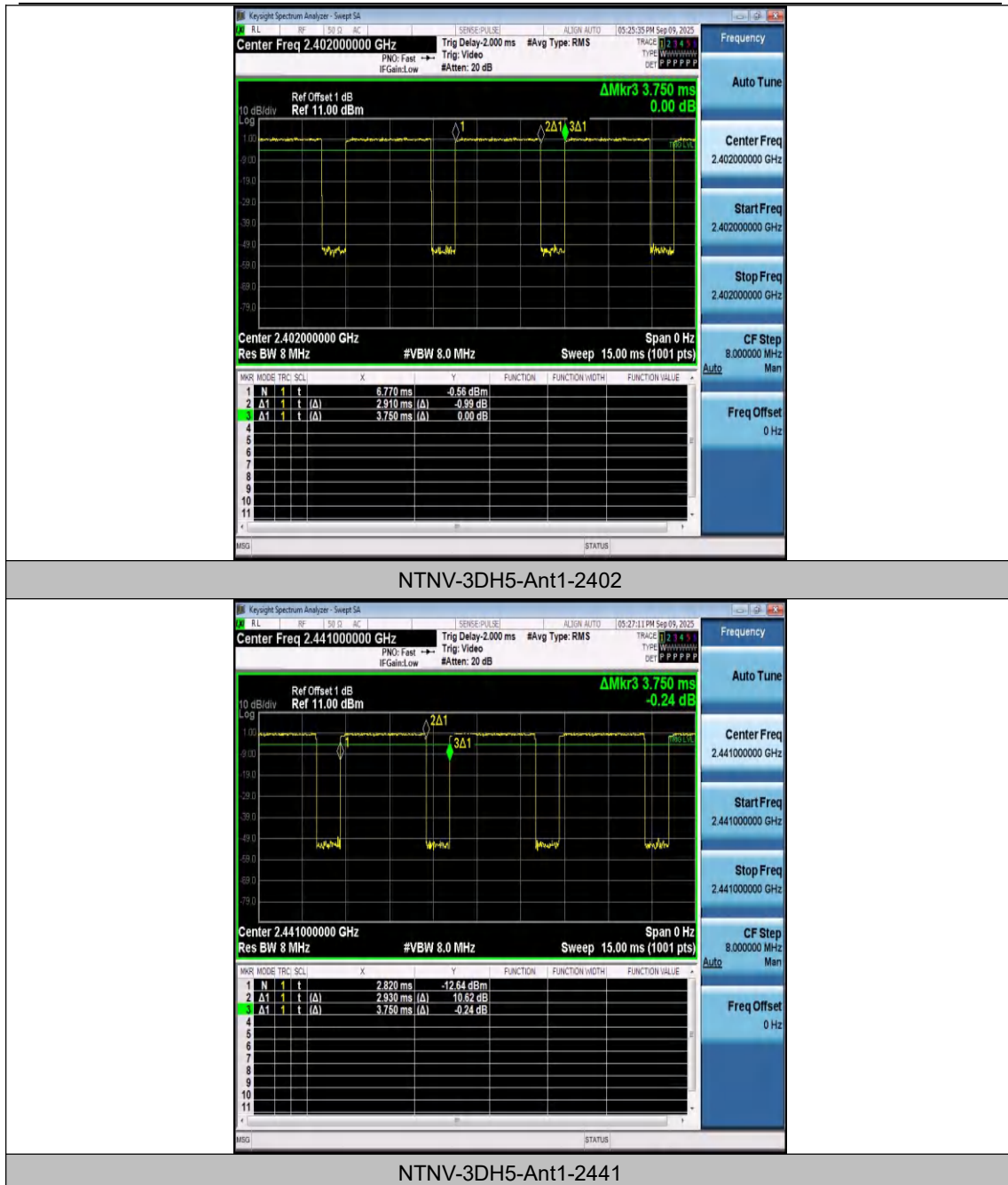


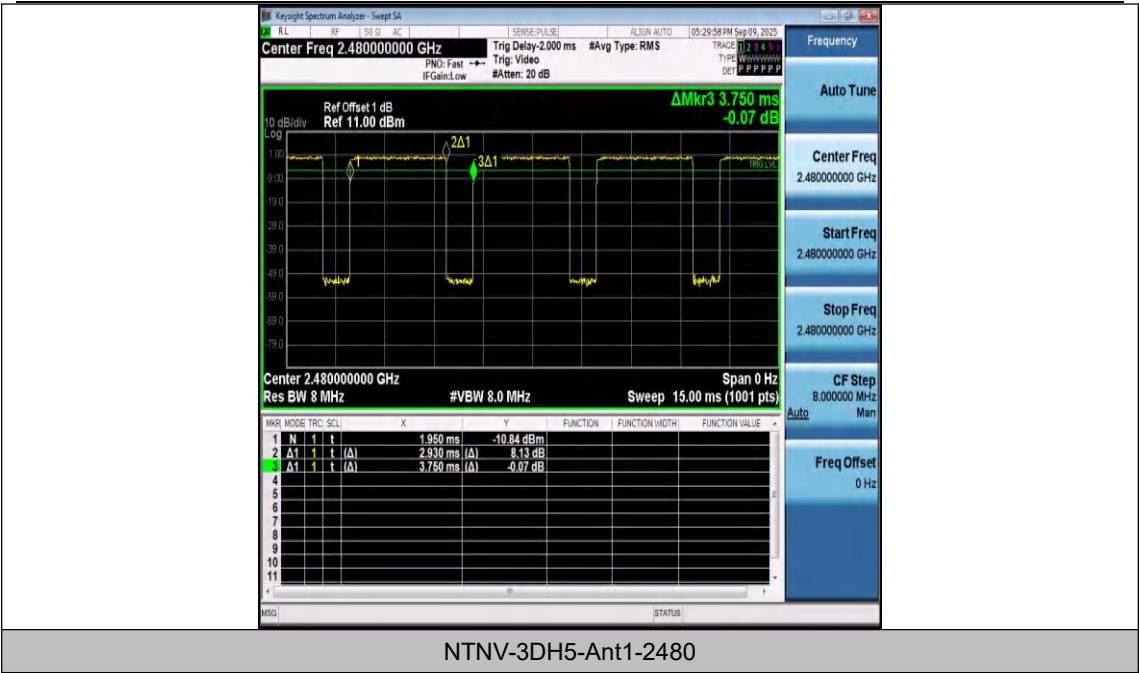
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NTNV-3DH5-Ant1-2480

---End---