

Appendix Test Data

Report No.:	1819C50100412501	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	2401.493	2402.441	---	---
DH5	Ant1	2441	0.951	2440.487	2441.438	---	---
DH5	Ant1	2480	0.939	2479.493	2480.432	---	---
2DH5	Ant1	2402	1.272	2401.331	2402.603	---	---
2DH5	Ant1	2441	1.269	2440.331	2441.600	---	---
2DH5	Ant1	2480	1.272	2479.325	2480.597	---	---
3DH5	Ant1	2402	1.275	2401.319	2402.594	---	---
3DH5	Ant1	2441	1.299	2440.307	2441.606	---	---
3DH5	Ant1	2480	1.257	2479.328	2480.585	---	---

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	0.85982	2401.5265	2402.3863	---	---
DH5	Ant1	2441	0.86594	2440.5186	2441.3846	---	---
DH5	Ant1	2480	0.85922	2479.5201	2480.3793	---	---
2DH5	Ant1	2402	1.1769	2401.3644	2402.5413	---	---
2DH5	Ant1	2441	1.1898	2440.3607	2441.5505	---	---
2DH5	Ant1	2480	1.1840	2479.3618	2480.5458	---	---
3DH5	Ant1	2402	1.1602	2401.3807	2402.5409	---	---
3DH5	Ant1	2441	1.1741	2440.3697	2441.5438	---	---
3DH5	Ant1	2480	1.1792	2479.3668	2480.5460	---	---

Test Graphs



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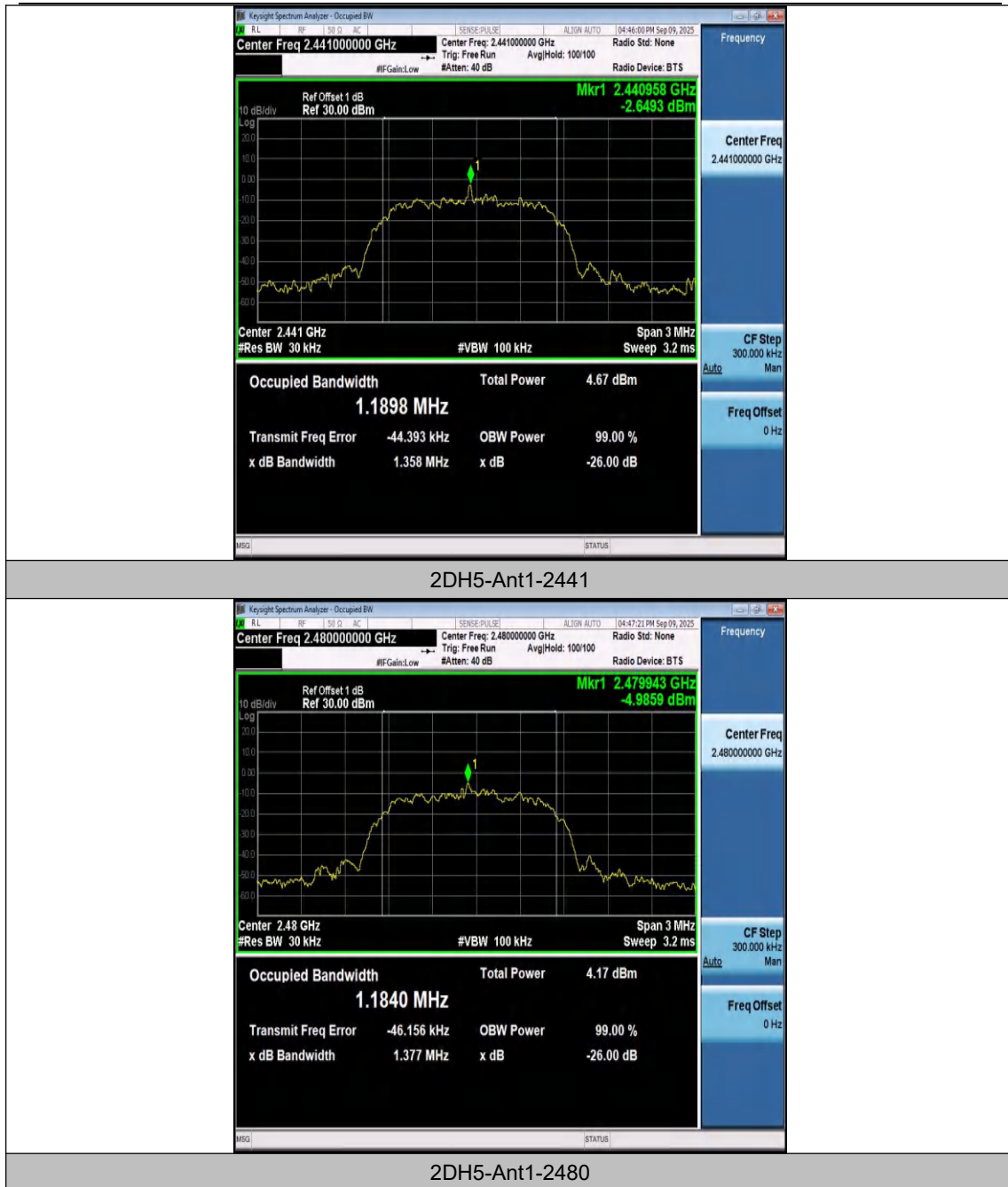
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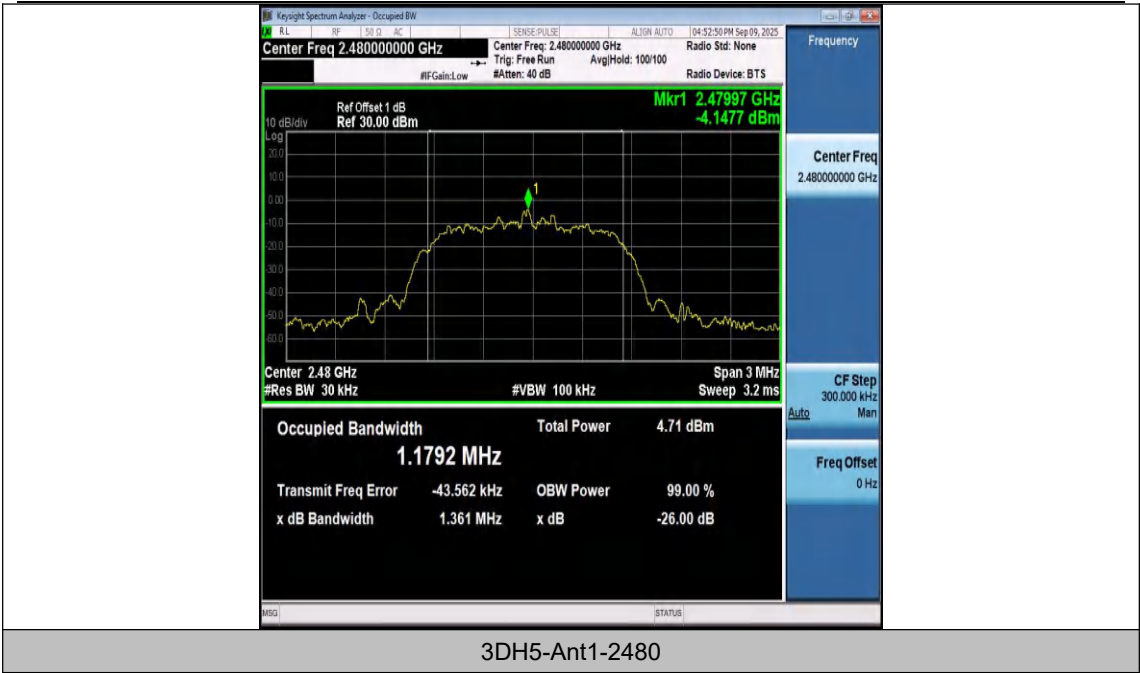


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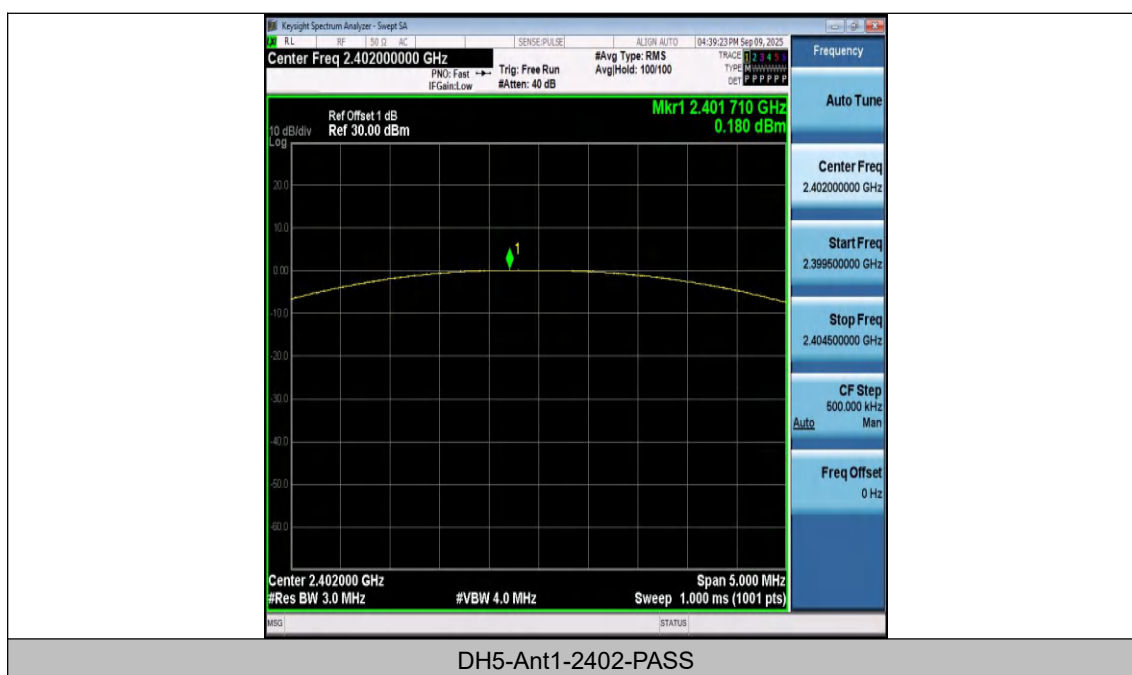
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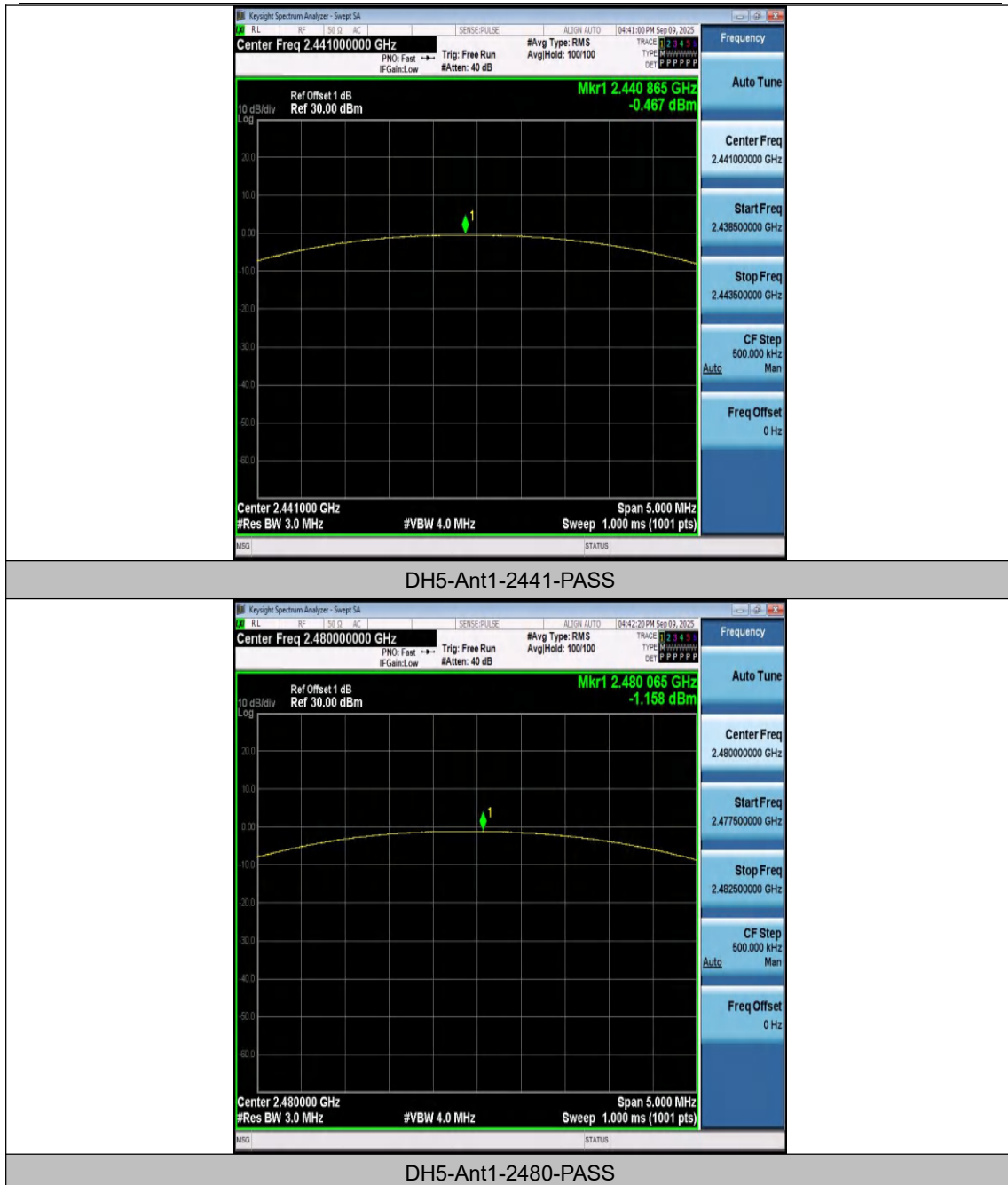
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.18	≤20.97	PASS
DH5	Ant1	2441	-0.47	≤20.97	PASS
DH5	Ant1	2480	-1.16	≤20.97	PASS
2DH5	Ant1	2402	0.85	≤20.97	PASS
2DH5	Ant1	2441	0.26	≤20.97	PASS
2DH5	Ant1	2480	-0.39	≤20.97	PASS
3DH5	Ant1	2402	1.34	≤20.97	PASS
3DH5	Ant1	2441	0.82	≤20.97	PASS
3DH5	Ant1	2480	0.08	≤20.97	PASS

Test Graphs

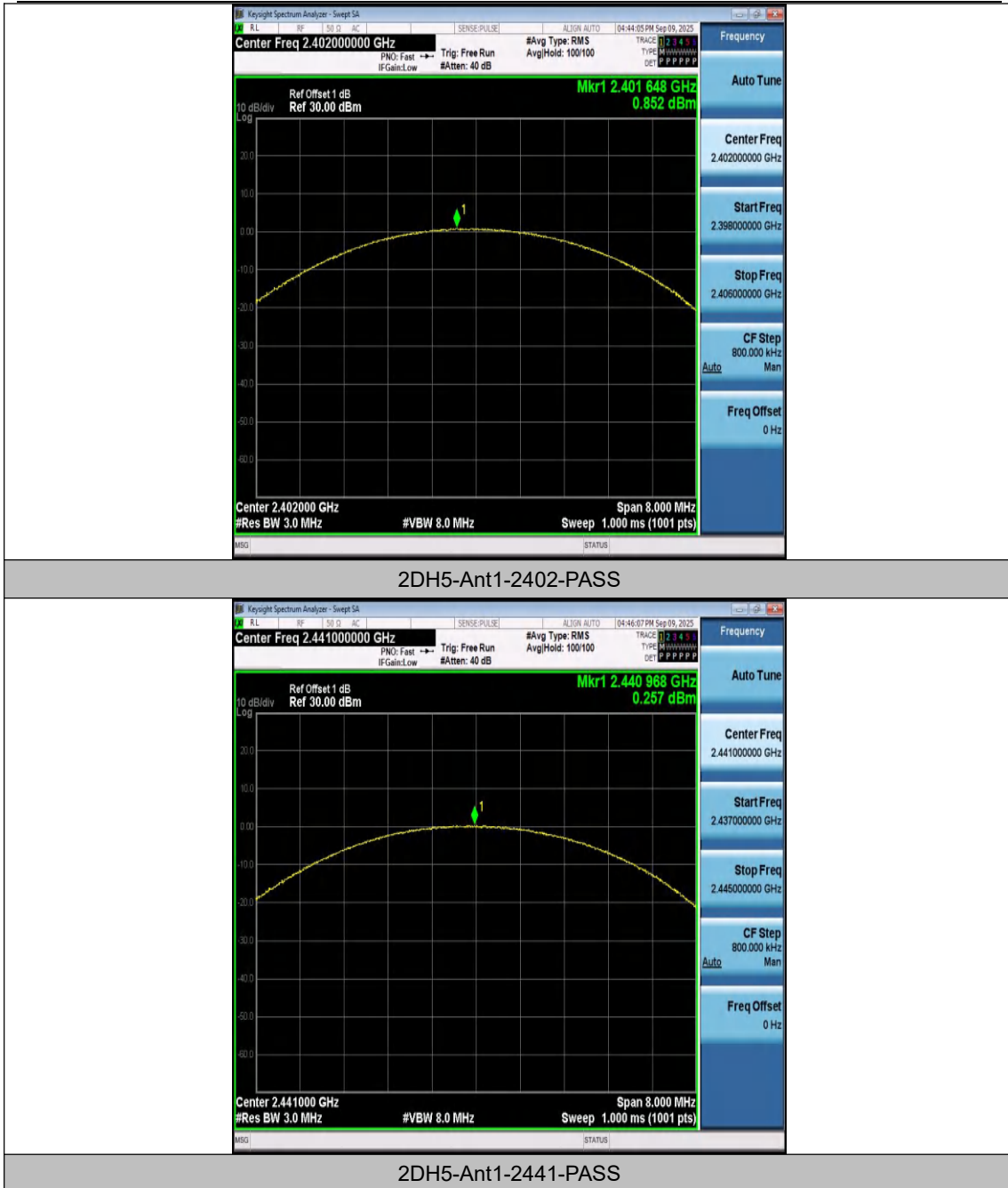




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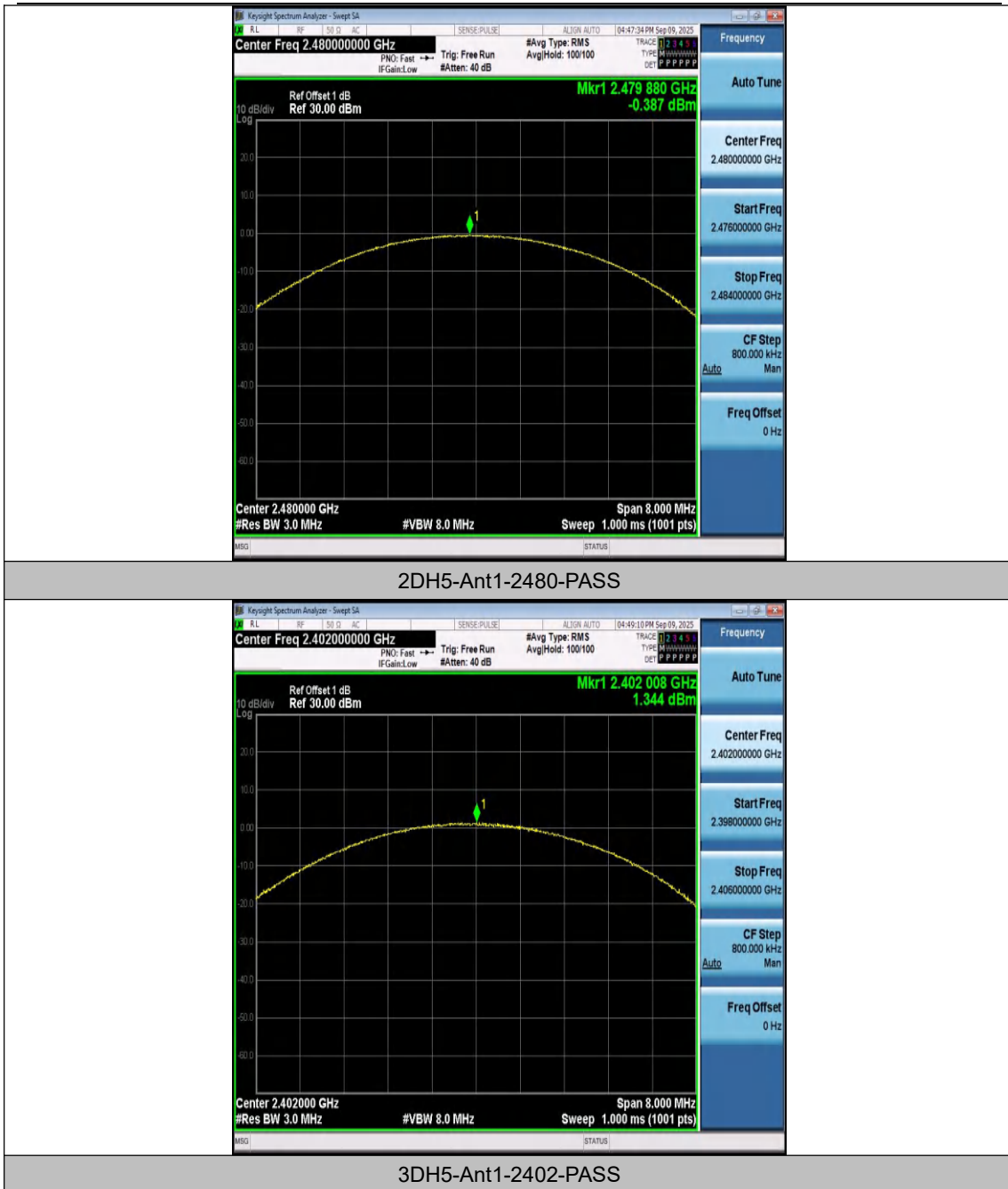
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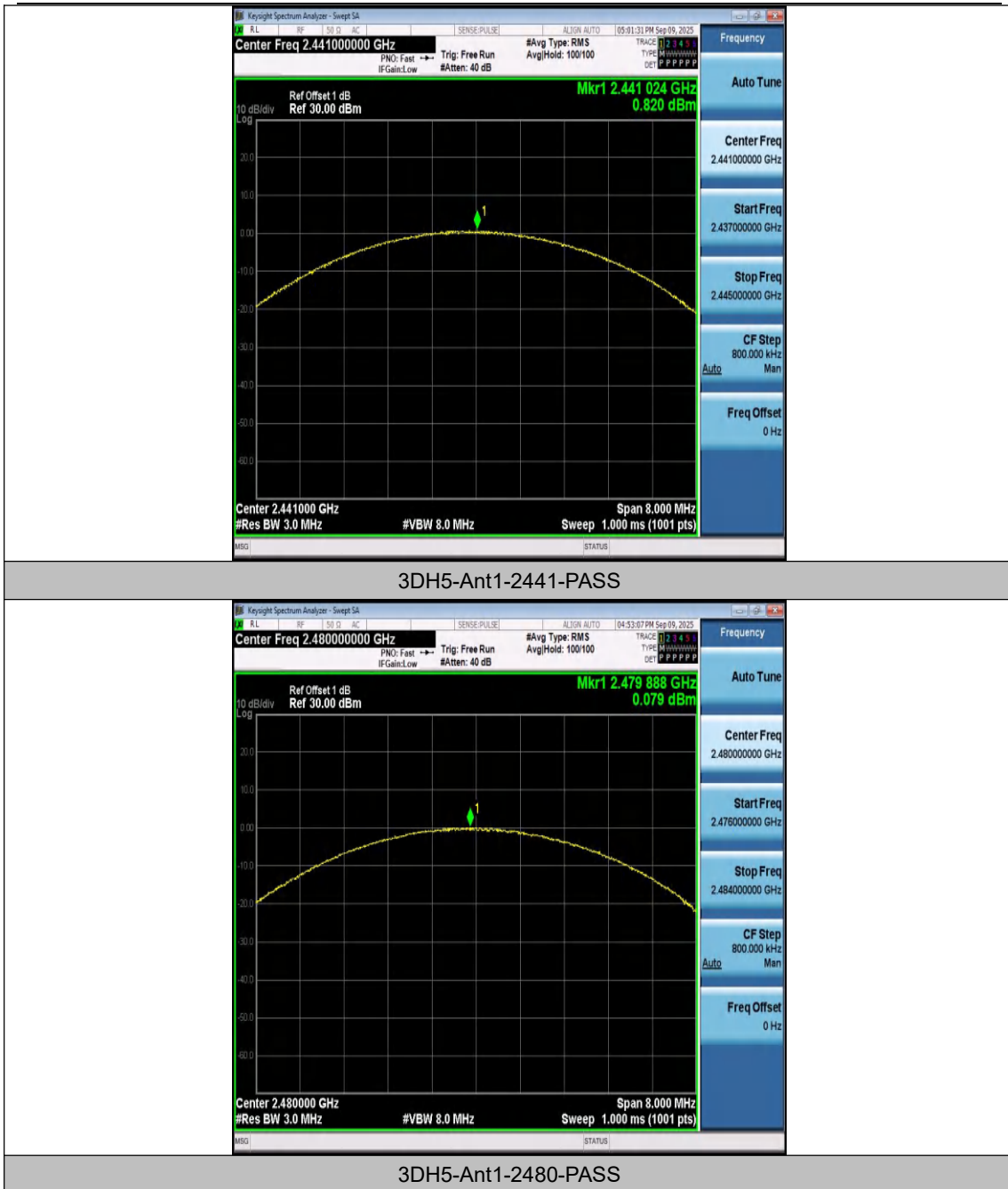
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.666	≥ 0.634	PASS
2DH5	Ant1	Hop	0.964	≥ 0.848	PASS
3DH5	Ant1	Hop	0.982	≥ 0.864	PASS

Test Graphs



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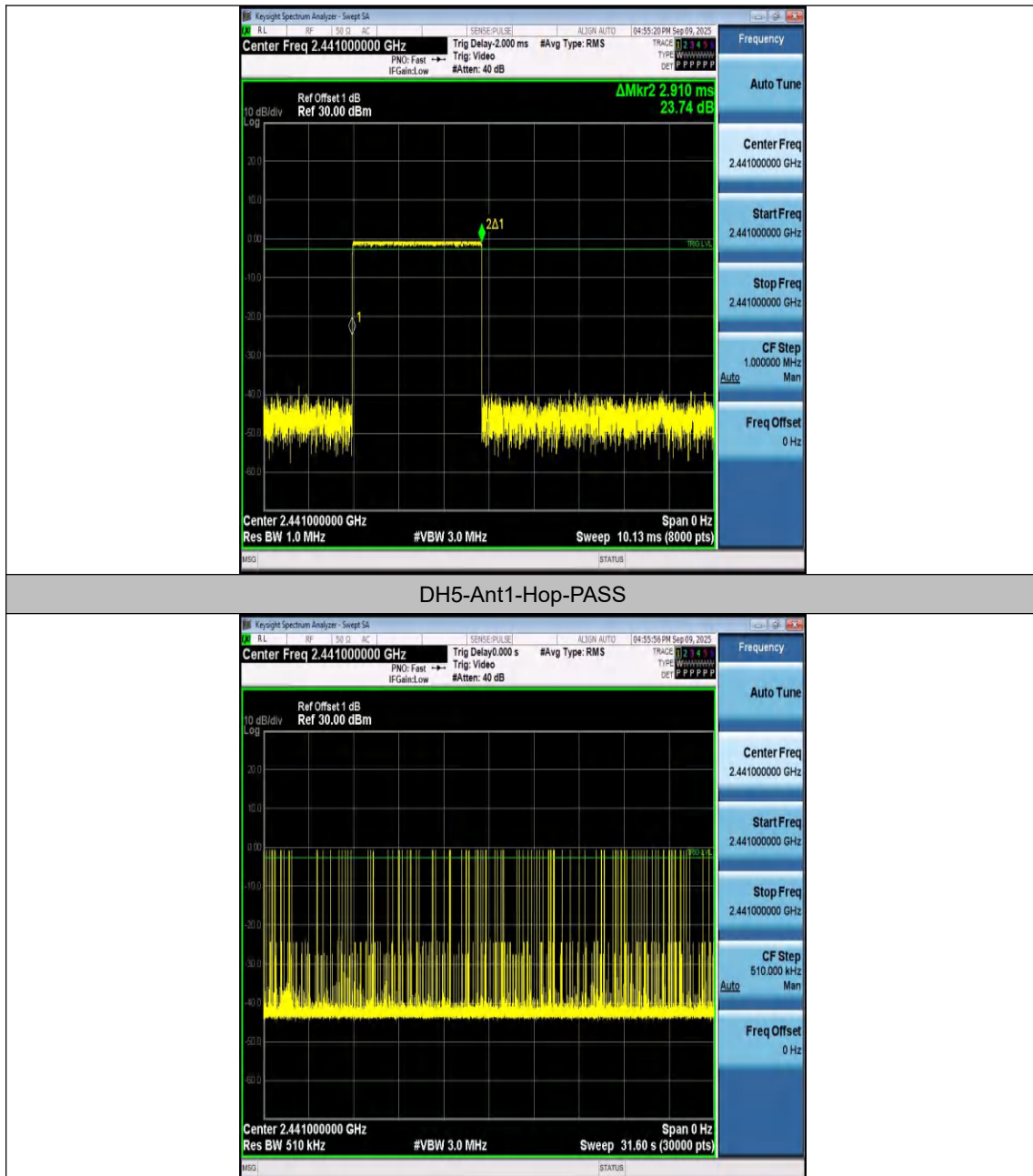
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.910	112	0.326	≤0.4	PASS
2DH5	Ant1	Hop	2.915	104	0.303	≤0.4	PASS
3DH5	Ant1	Hop	2.918	111	0.324	≤0.4	PASS

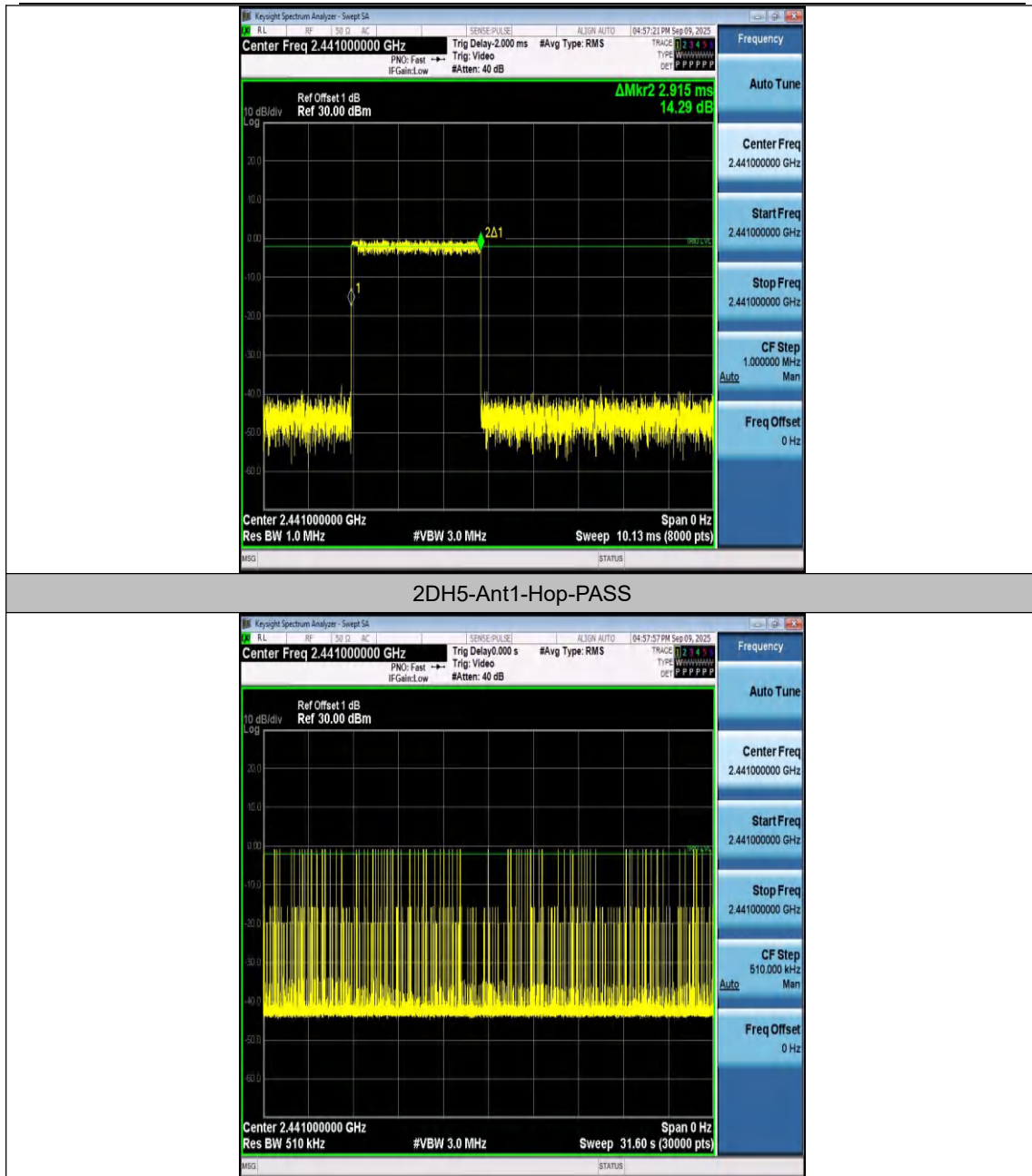
Test Graphs



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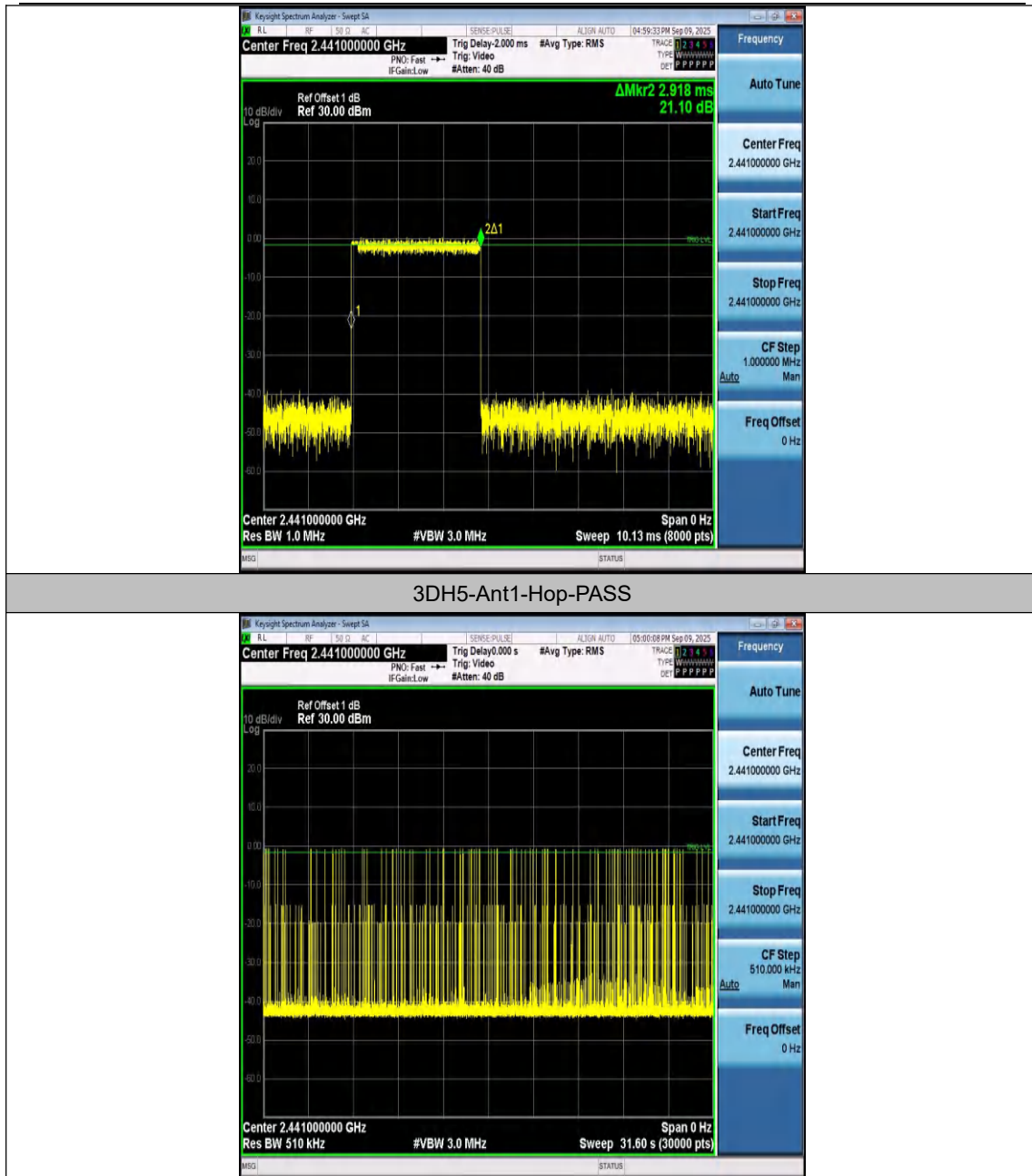
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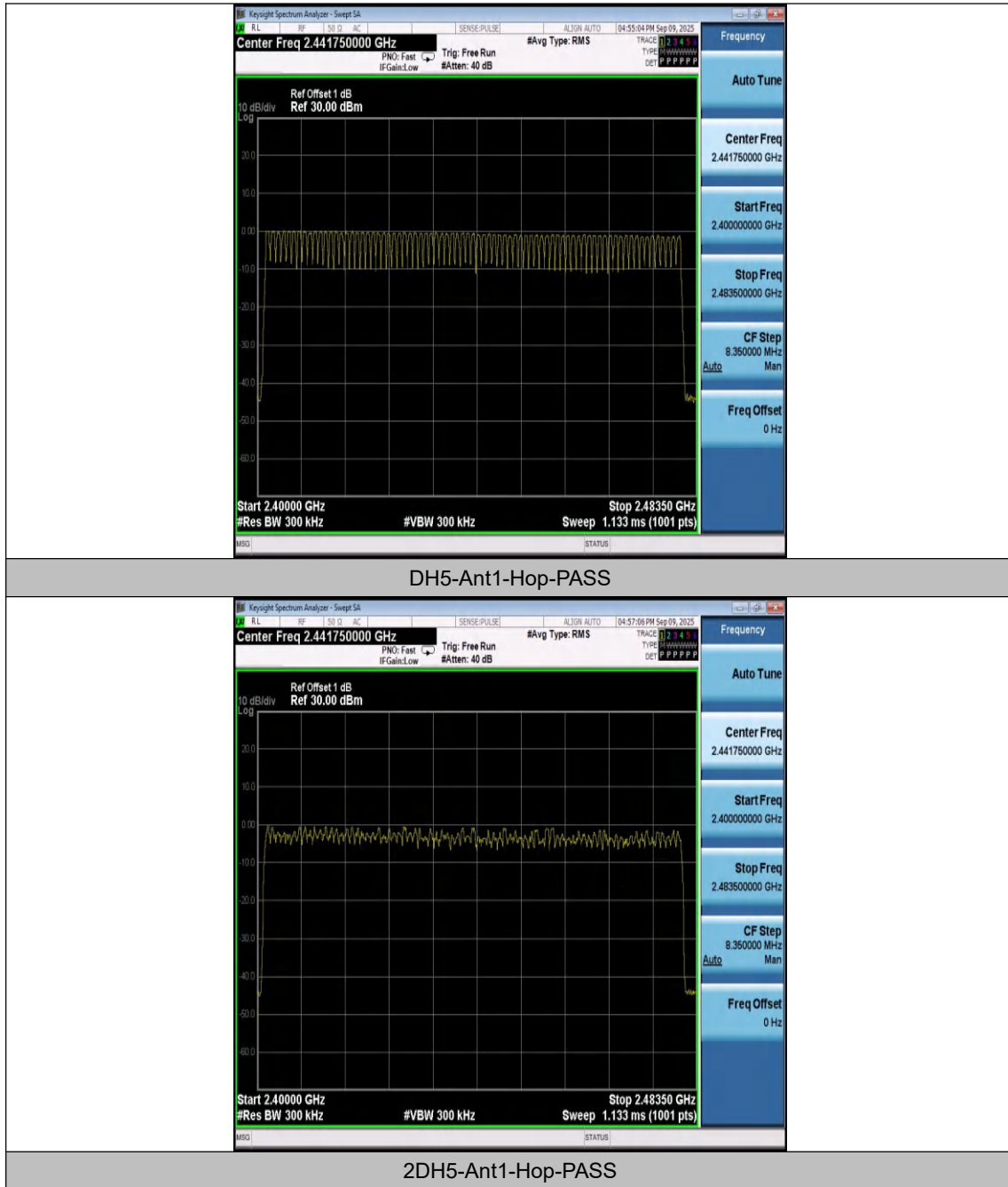
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Appendix F: Number of Hopping Channel

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

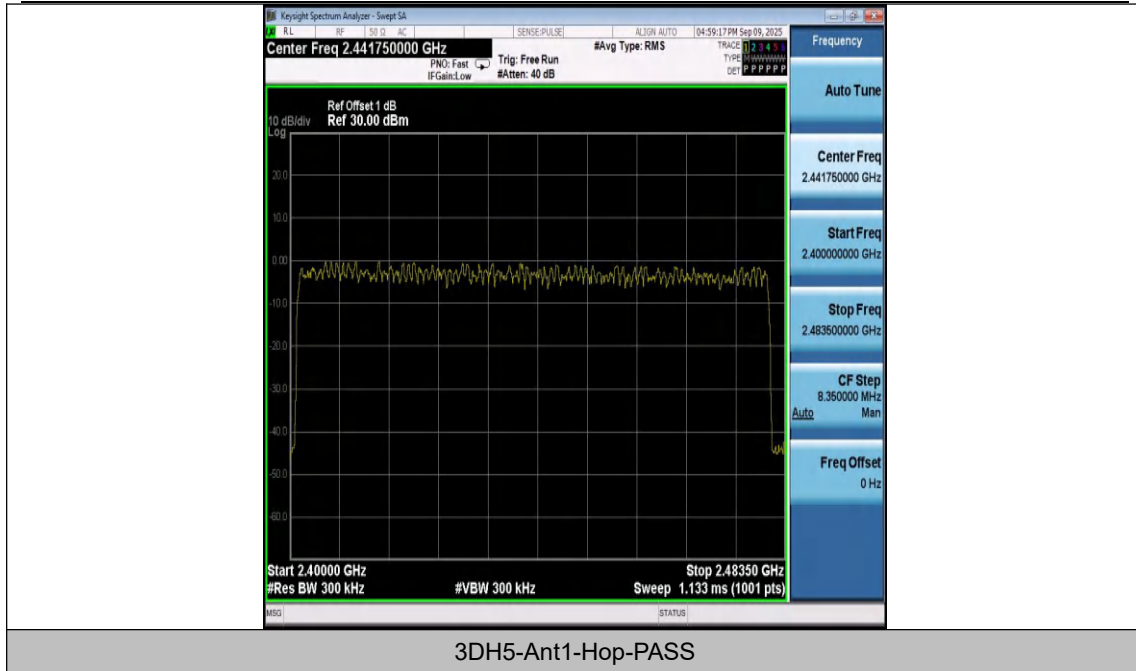
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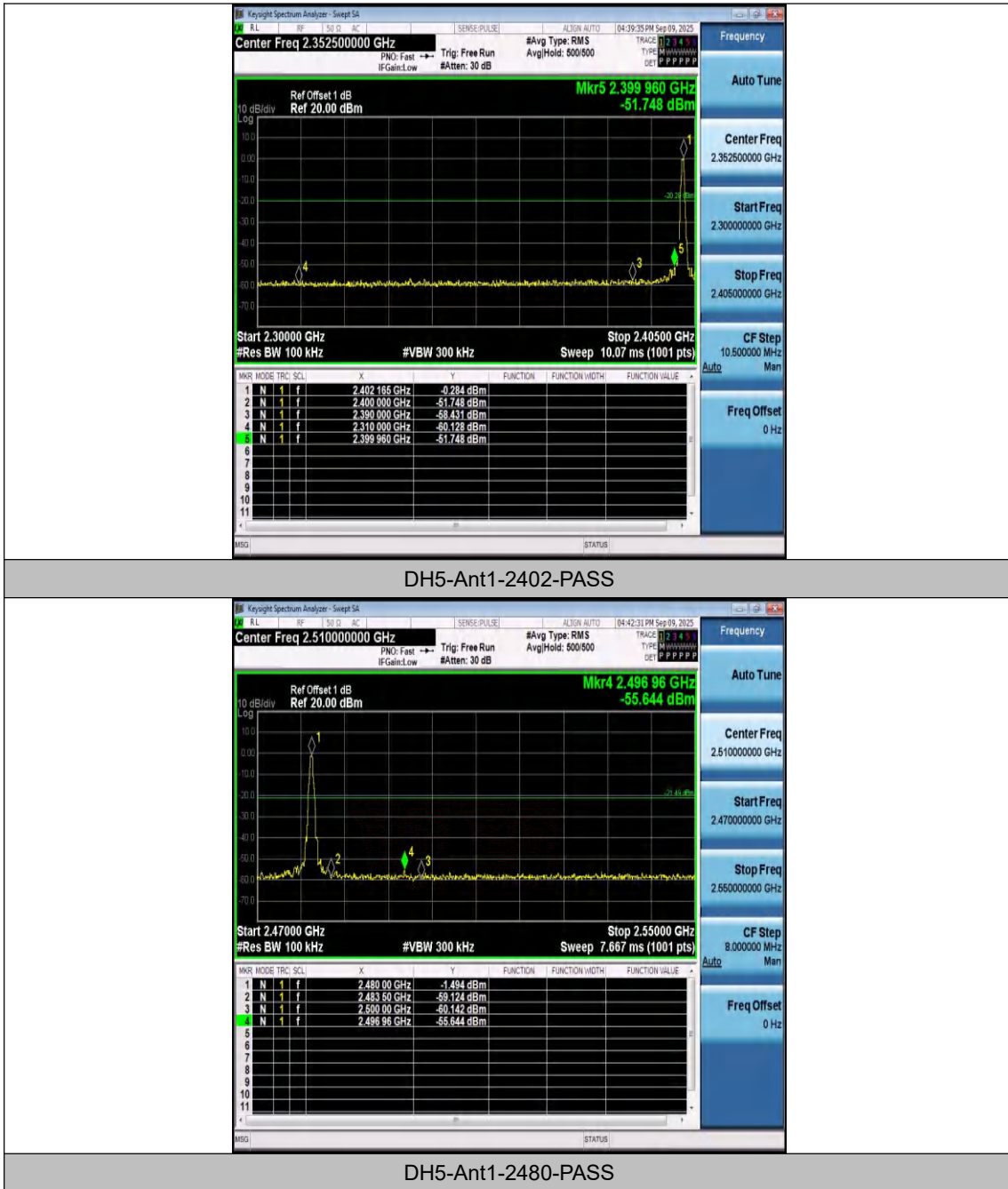
Appendix G: Conducted Band edge

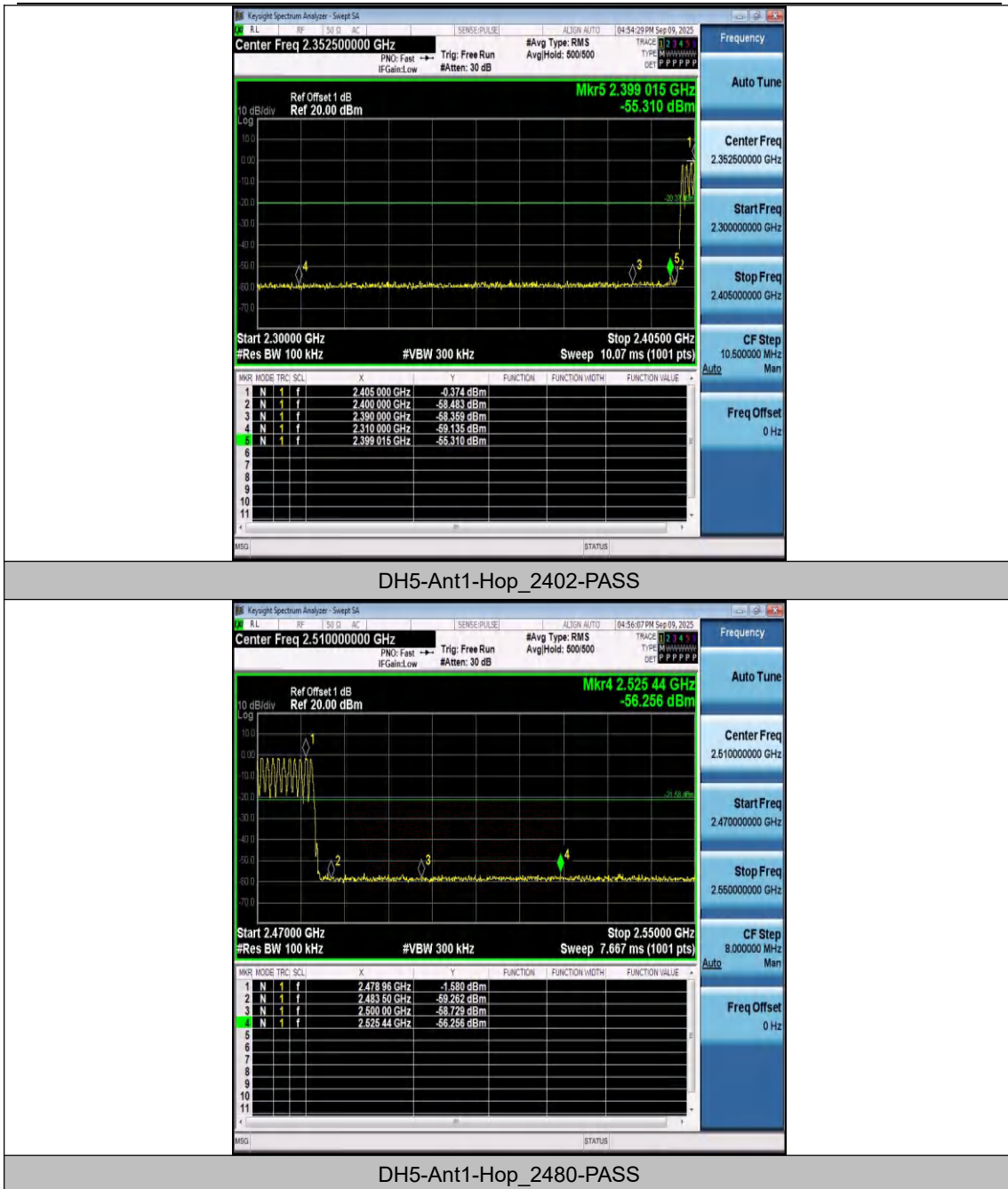
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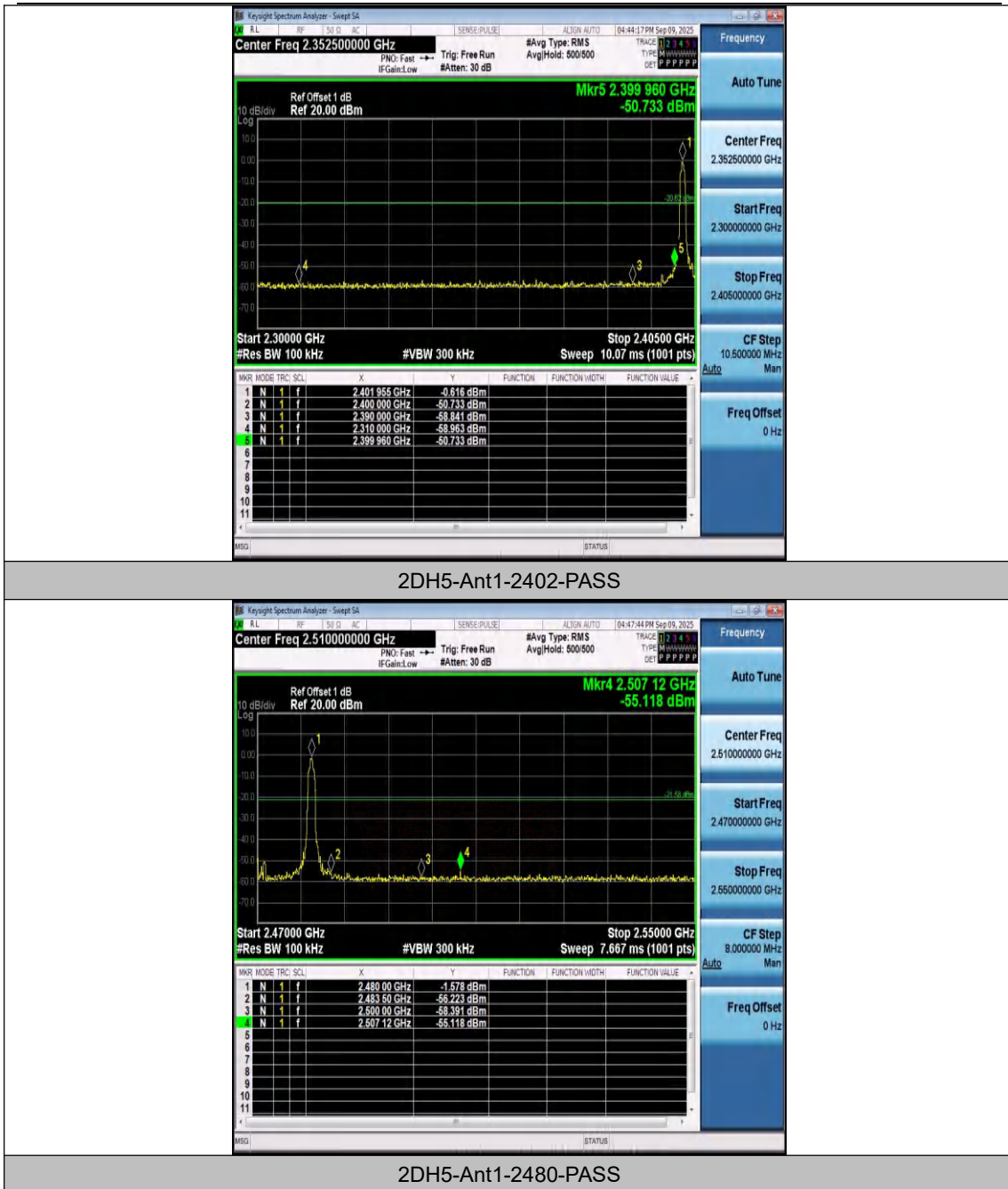
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.28	-51.75	≤-20.28	PASS
DH5	Ant1	High	2480	-1.49	-55.64	≤-21.49	PASS
DH5	Ant1	Low	Hop_2402	-0.37	-55.31	≤-20.37	PASS
DH5	Ant1	High	Hop_2480	-1.58	-56.26	≤-21.58	PASS
2DH5	Ant1	Low	2402	-0.62	-50.73	≤-20.62	PASS
2DH5	Ant1	High	2480	-1.58	-55.12	≤-21.58	PASS
2DH5	Ant1	Low	Hop_2402	-2.24	-55.47	≤-22.24	PASS
2DH5	Ant1	High	Hop_2480	-2.33	-55.91	≤-22.33	PASS
3DH5	Ant1	Low	2402	-0.62	-53.03	≤-20.62	PASS
3DH5	Ant1	High	2480	-1.60	-55.68	≤-21.6	PASS
3DH5	Ant1	Low	Hop_2402	-3.14	-55.58	≤-23.14	PASS
3DH5	Ant1	High	Hop_2480	-5.09	-55.93	≤-25.09	PASS

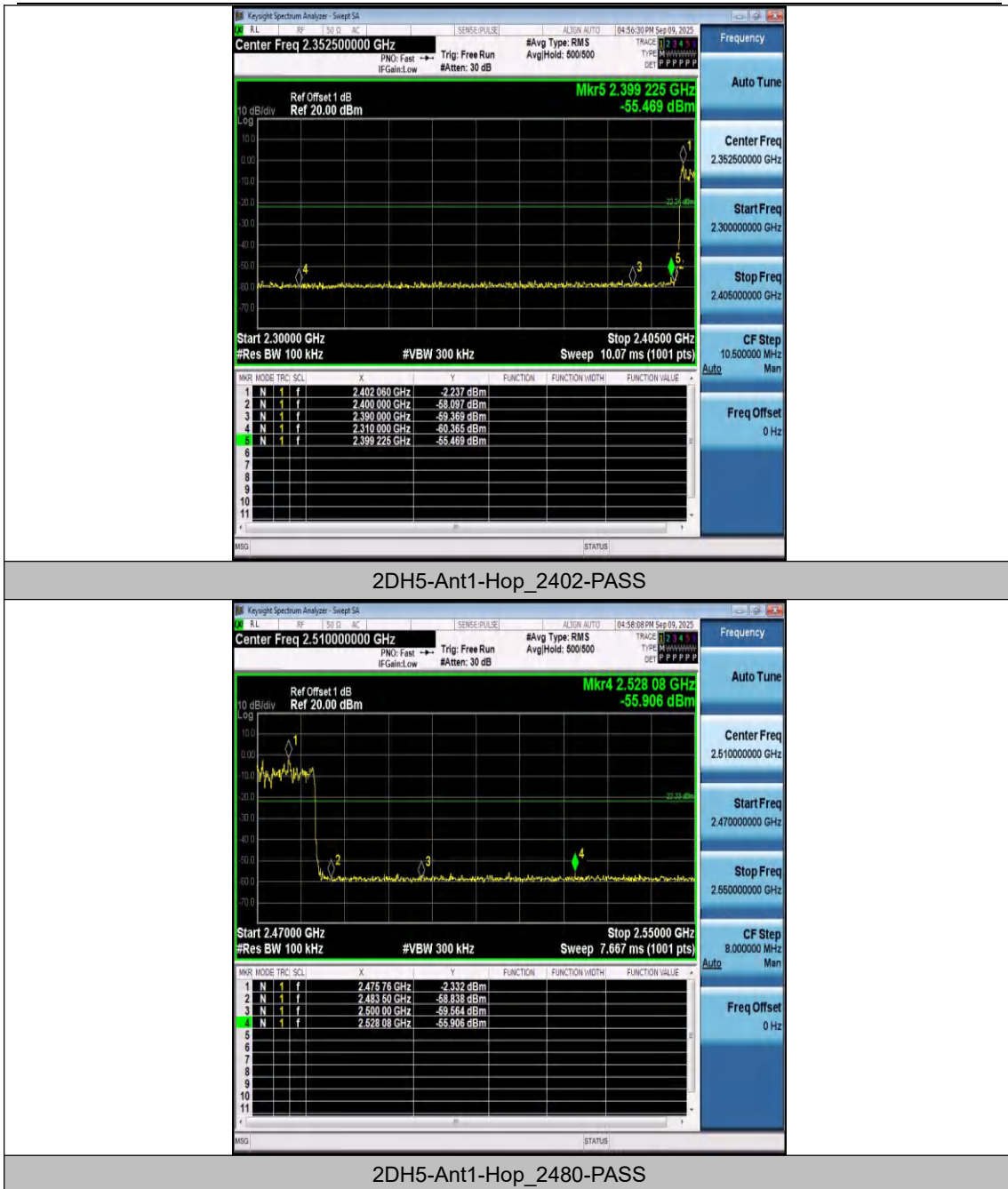
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

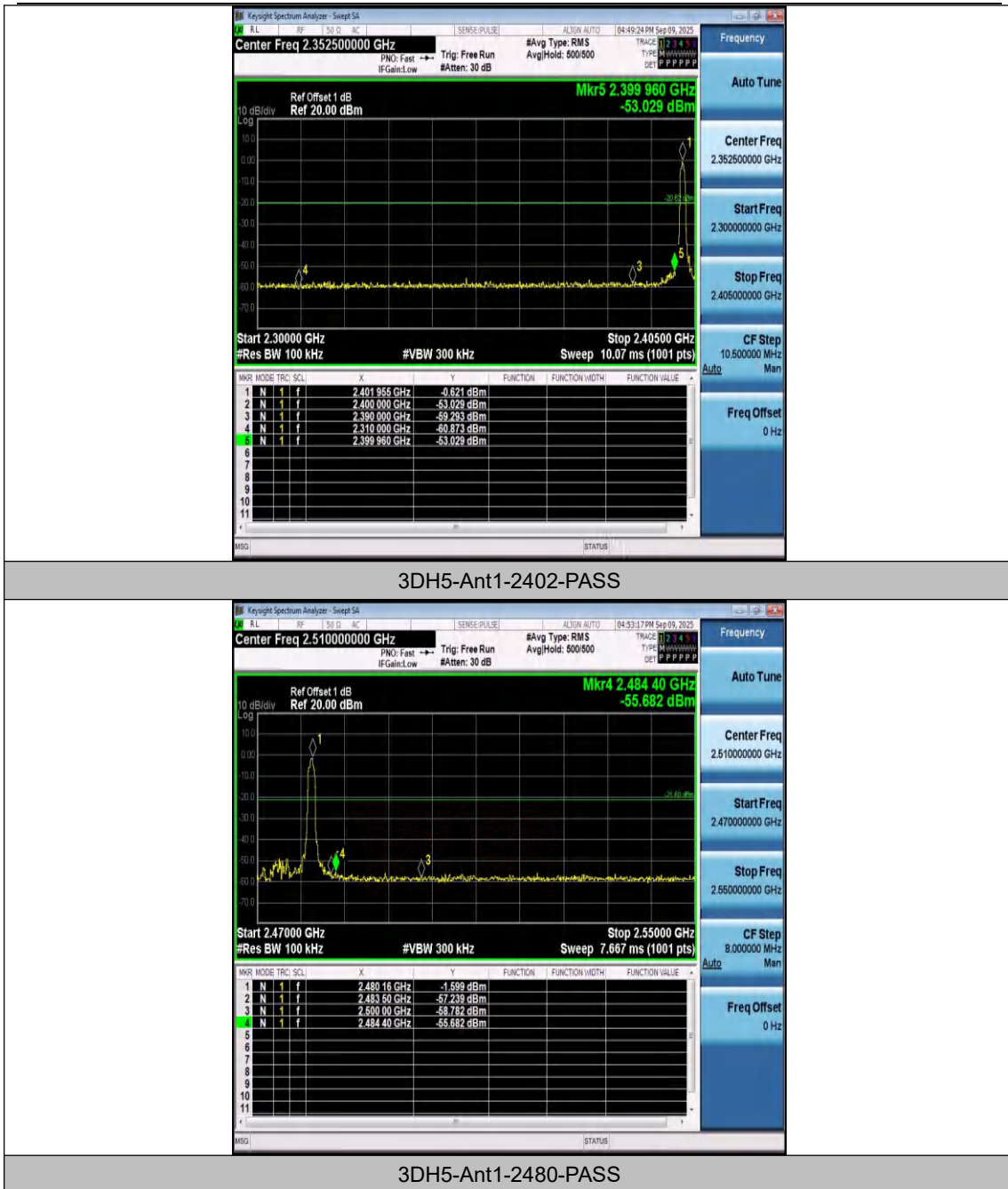
Test Graphs

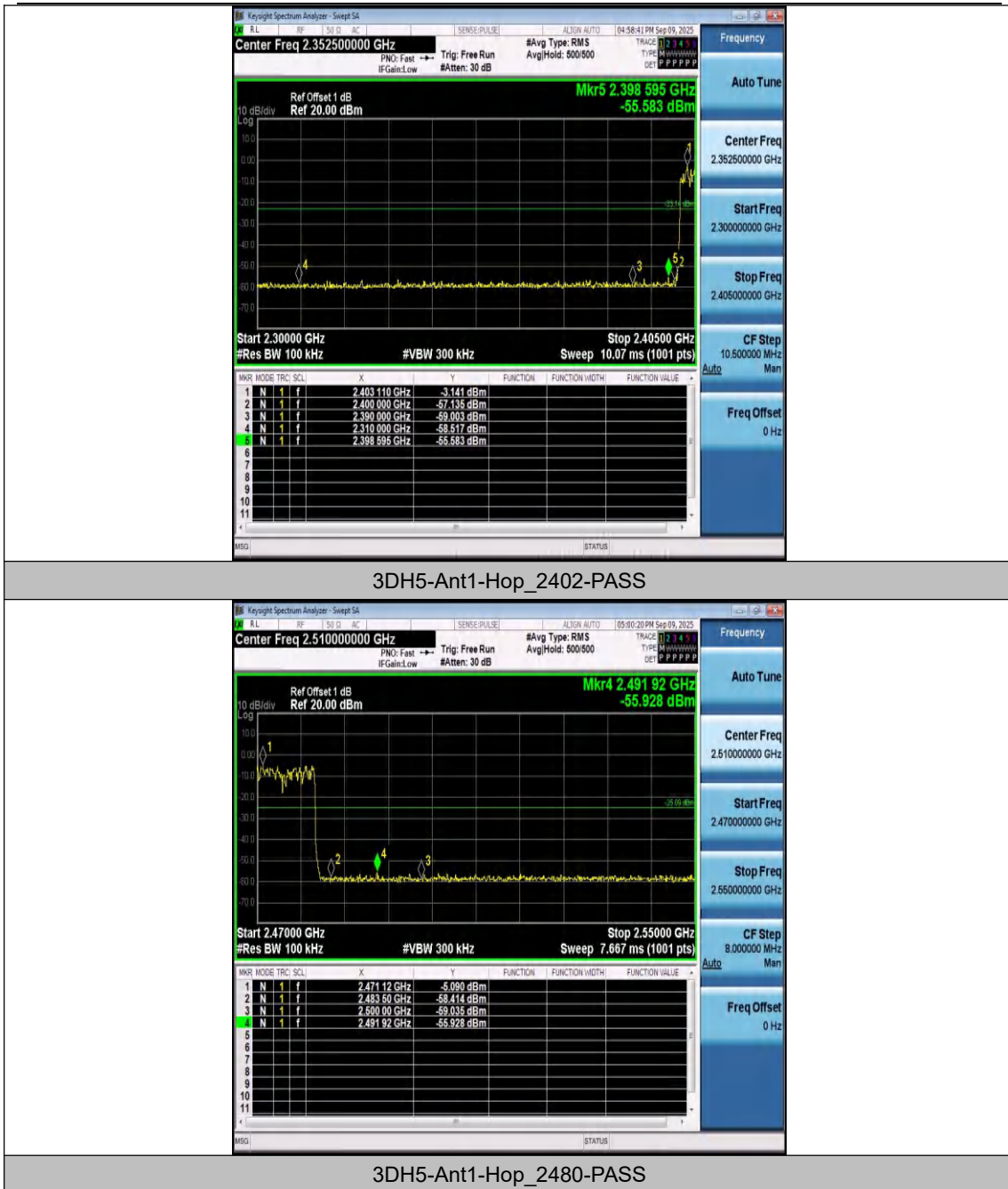












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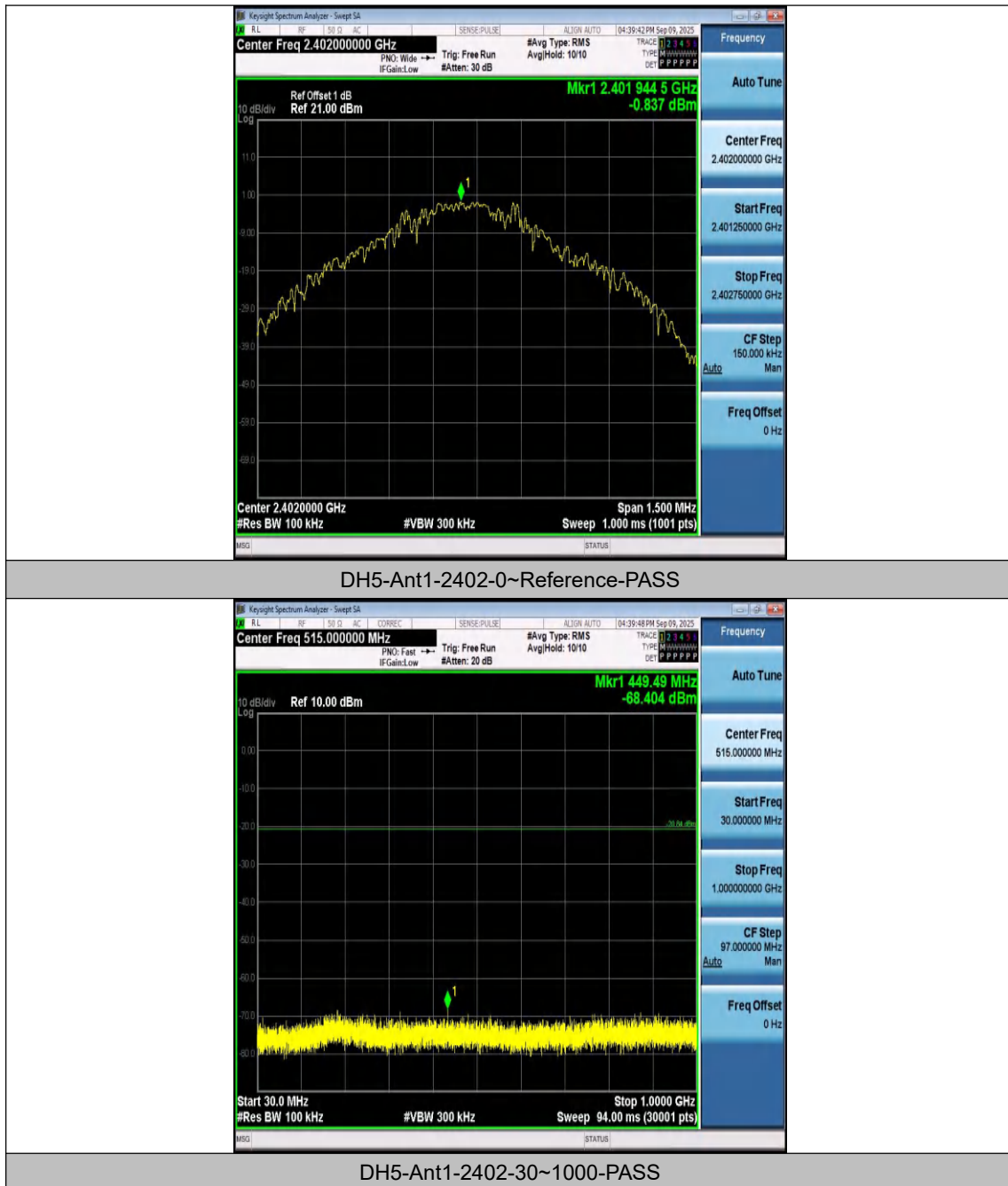
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.84	-0.84	---	PASS
DH5	Ant1	2402	30~1000	-0.84	-68.4	≤-20.84	PASS
DH5	Ant1	2402	1000~26500	-0.84	-51.91	≤-20.84	PASS
DH5	Ant1	2441	0~Reference	-1.48	-1.48	---	PASS
DH5	Ant1	2441	30~1000	-1.48	-68.68	≤-21.48	PASS
DH5	Ant1	2441	1000~26500	-1.48	-52.82	≤-21.48	PASS
DH5	Ant1	2480	0~Reference	-2.04	-2.04	---	PASS
DH5	Ant1	2480	30~1000	-2.04	-68.31	≤-22.04	PASS
DH5	Ant1	2480	1000~26500	-2.04	-53.74	≤-22.04	PASS
2DH5	Ant1	2402	0~Reference	-1.06	-1.06	---	PASS
2DH5	Ant1	2402	30~1000	-1.06	-68.37	≤-21.06	PASS
2DH5	Ant1	2402	1000~26500	-1.06	-52.23	≤-21.06	PASS
2DH5	Ant1	2441	0~Reference	-4.56	-4.56	---	PASS
2DH5	Ant1	2441	30~1000	-4.56	-68.19	≤-24.56	PASS
2DH5	Ant1	2441	1000~26500	-4.56	-52.87	≤-24.56	PASS
2DH5	Ant1	2480	0~Reference	-5.86	-5.86	---	PASS
2DH5	Ant1	2480	30~1000	-5.86	-68.28	≤-25.86	PASS
2DH5	Ant1	2480	1000~26500	-5.86	-53.12	≤-25.86	PASS
3DH5	Ant1	2402	0~Reference	-3.66	-3.66	---	PASS
3DH5	Ant1	2402	30~1000	-3.66	-68.19	≤-23.66	PASS
3DH5	Ant1	2402	1000~26500	-3.66	-53.2	≤-23.66	PASS
3DH5	Ant1	2441	0~Reference	-4.87	-4.87	---	PASS
3DH5	Ant1	2441	30~1000	-4.87	-68.03	≤-24.87	PASS
3DH5	Ant1	2441	1000~26500	-4.87	-53.62	≤-24.87	PASS
3DH5	Ant1	2480	0~Reference	-4.10	-4.10	---	PASS
3DH5	Ant1	2480	30~1000	-4.10	-67.93	≤-24.1	PASS
3DH5	Ant1	2480	1000~26500	-4.10	-53.11	≤-24.1	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.

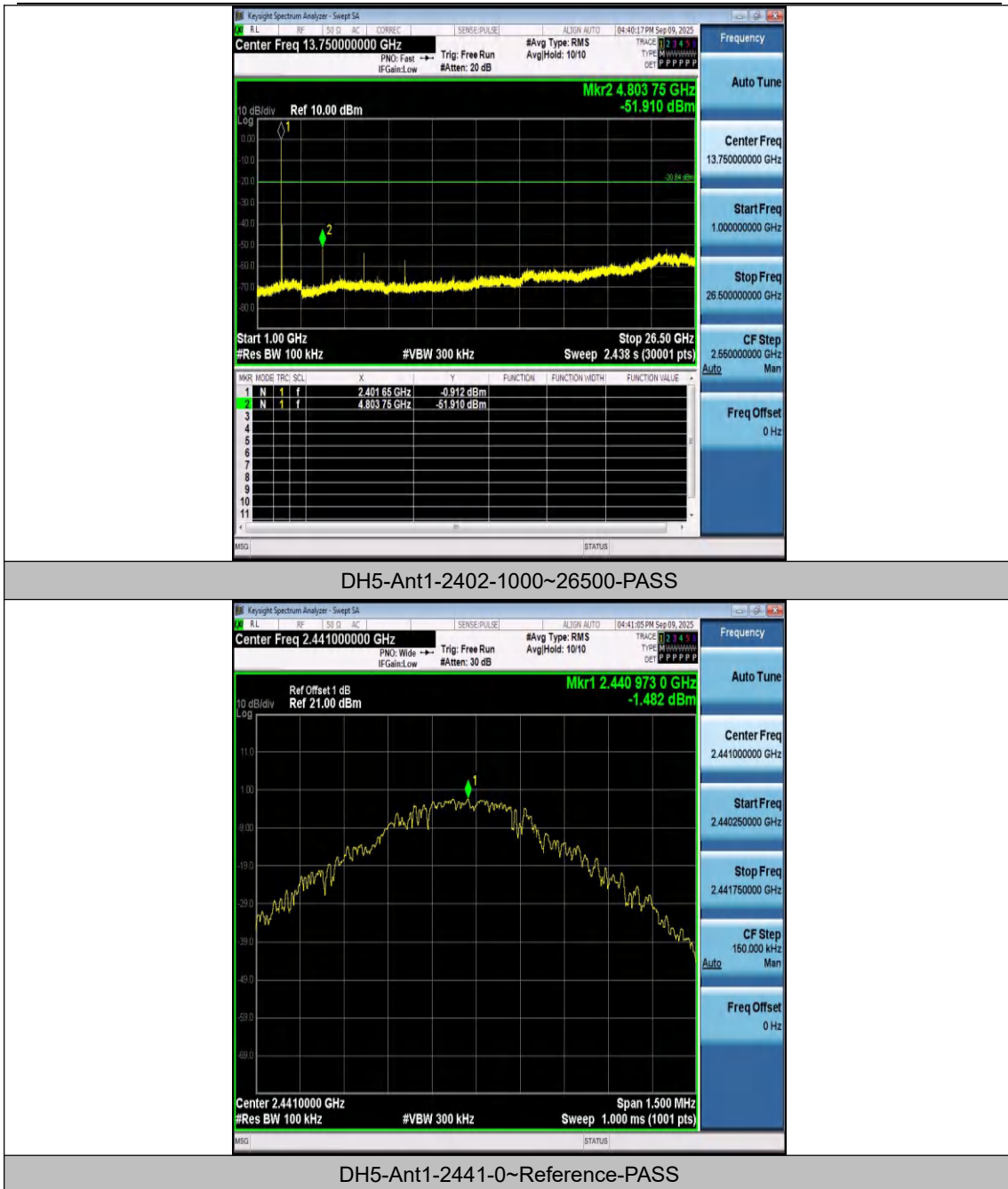
Test Graphs



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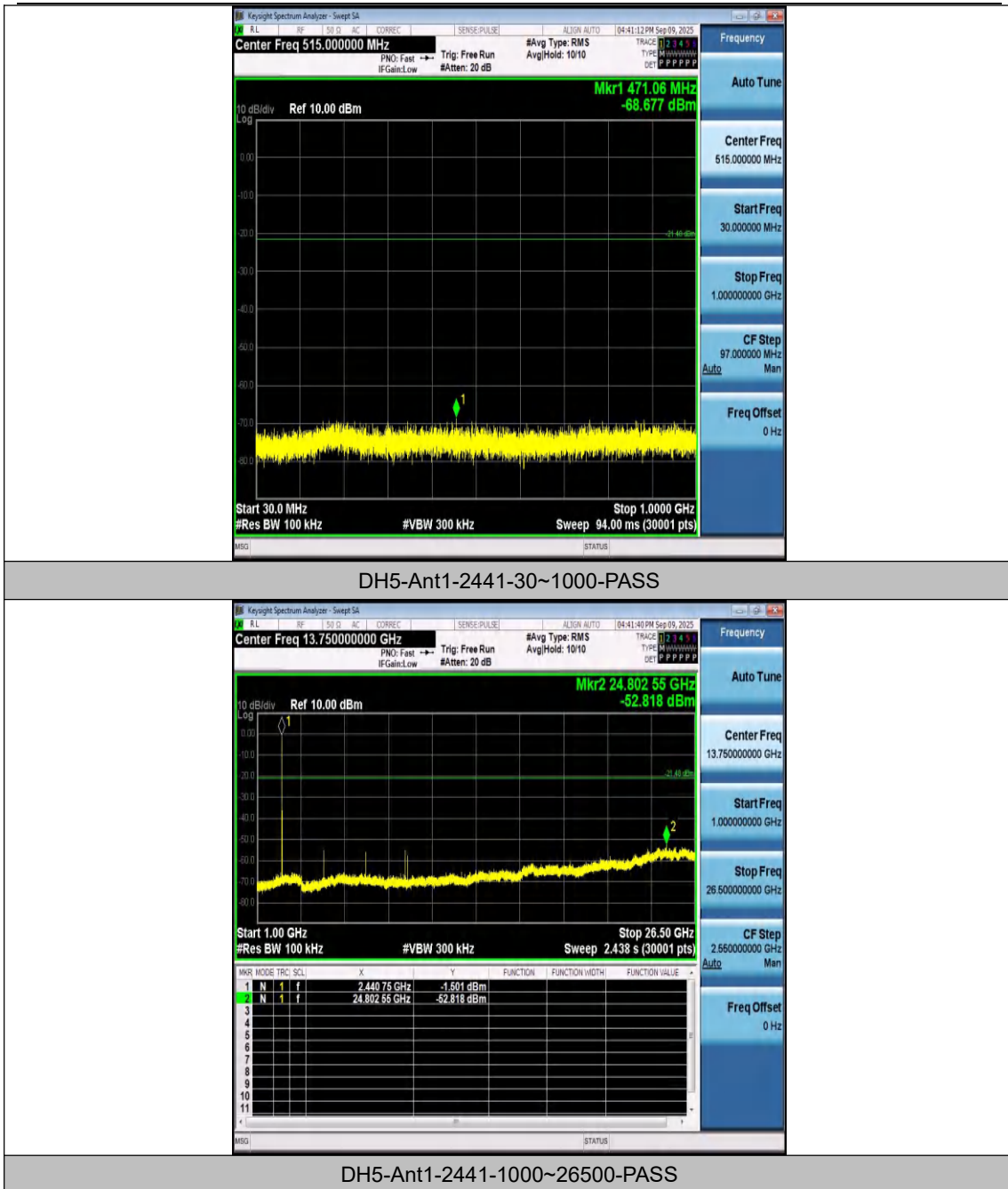
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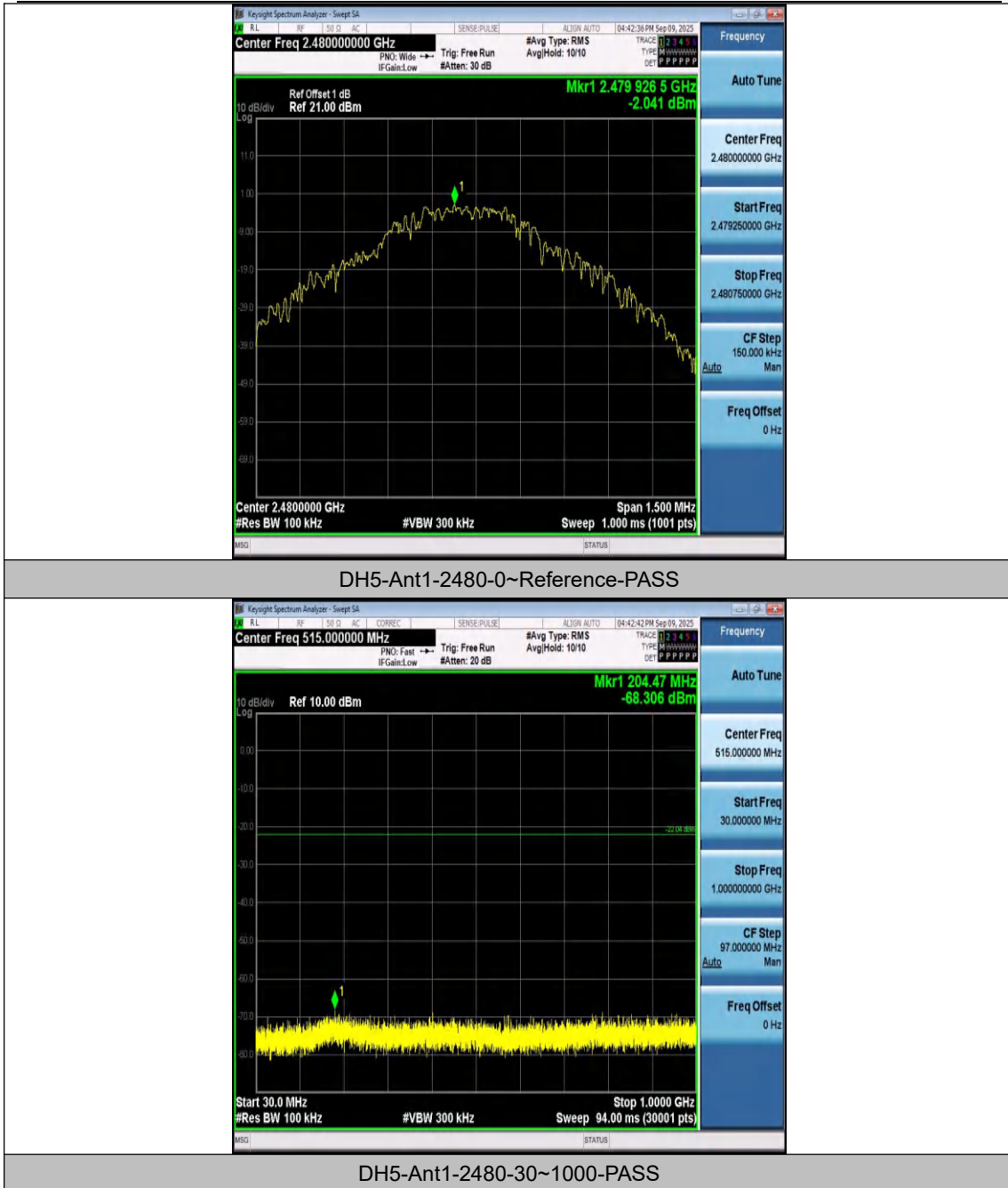
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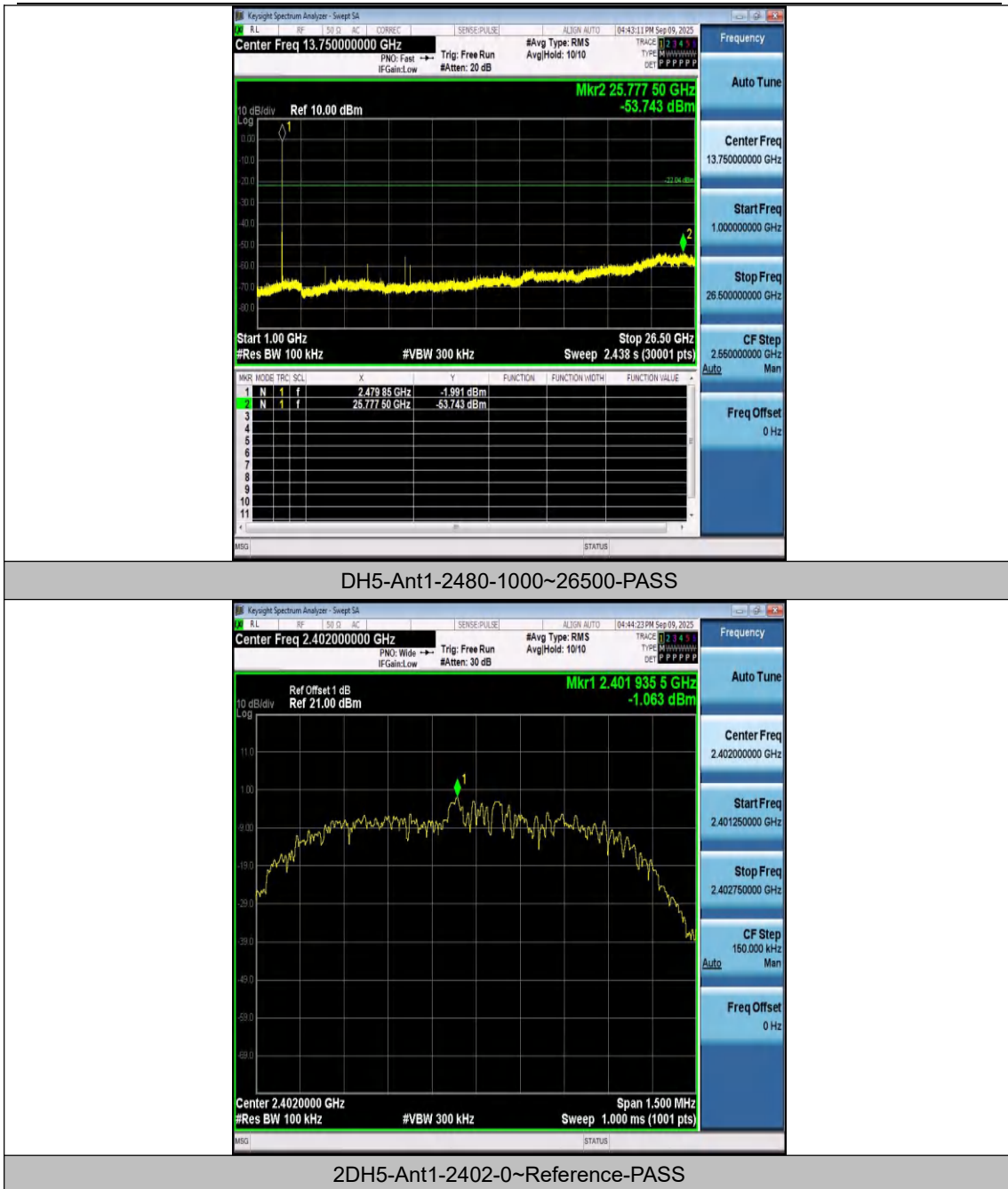
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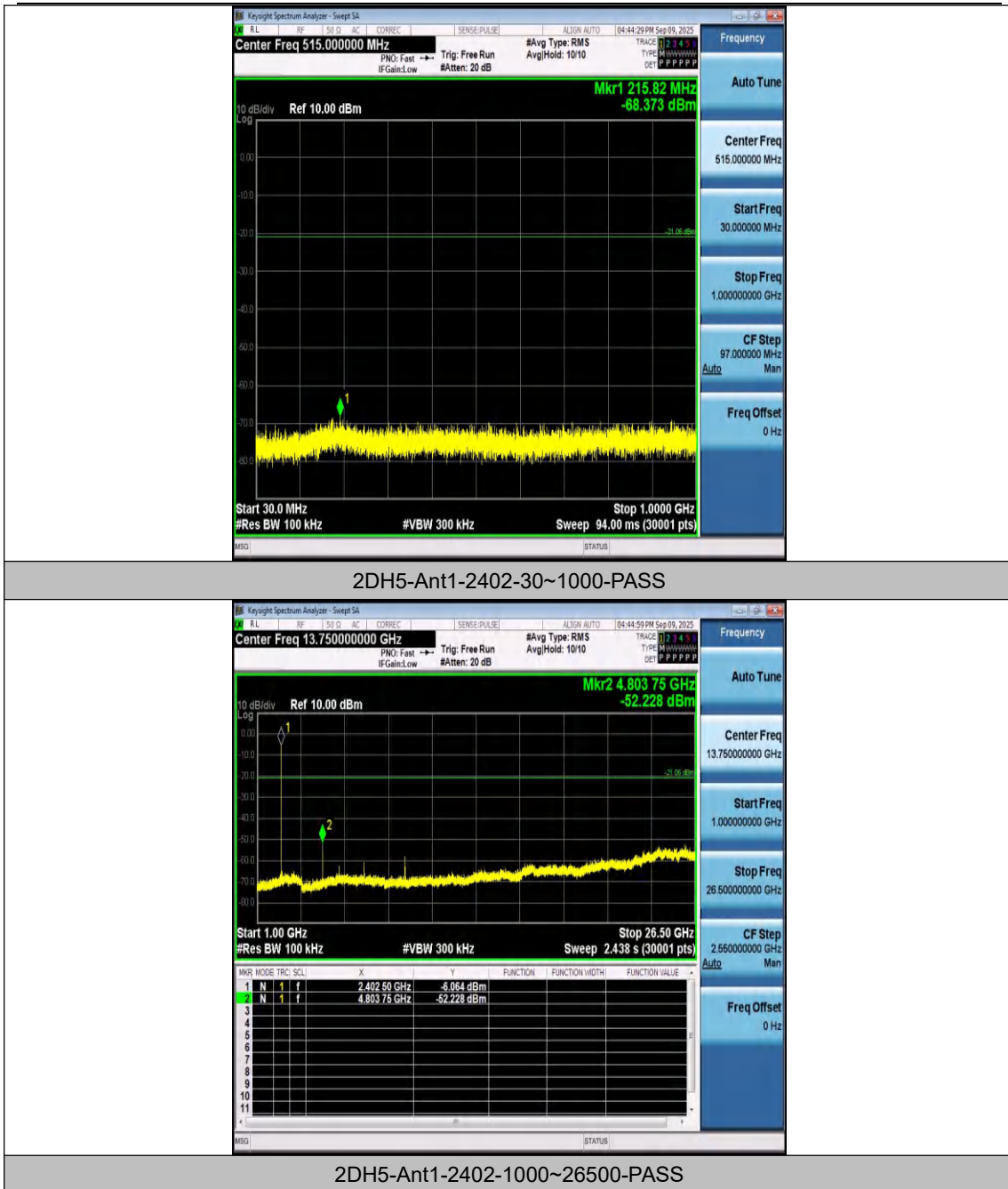
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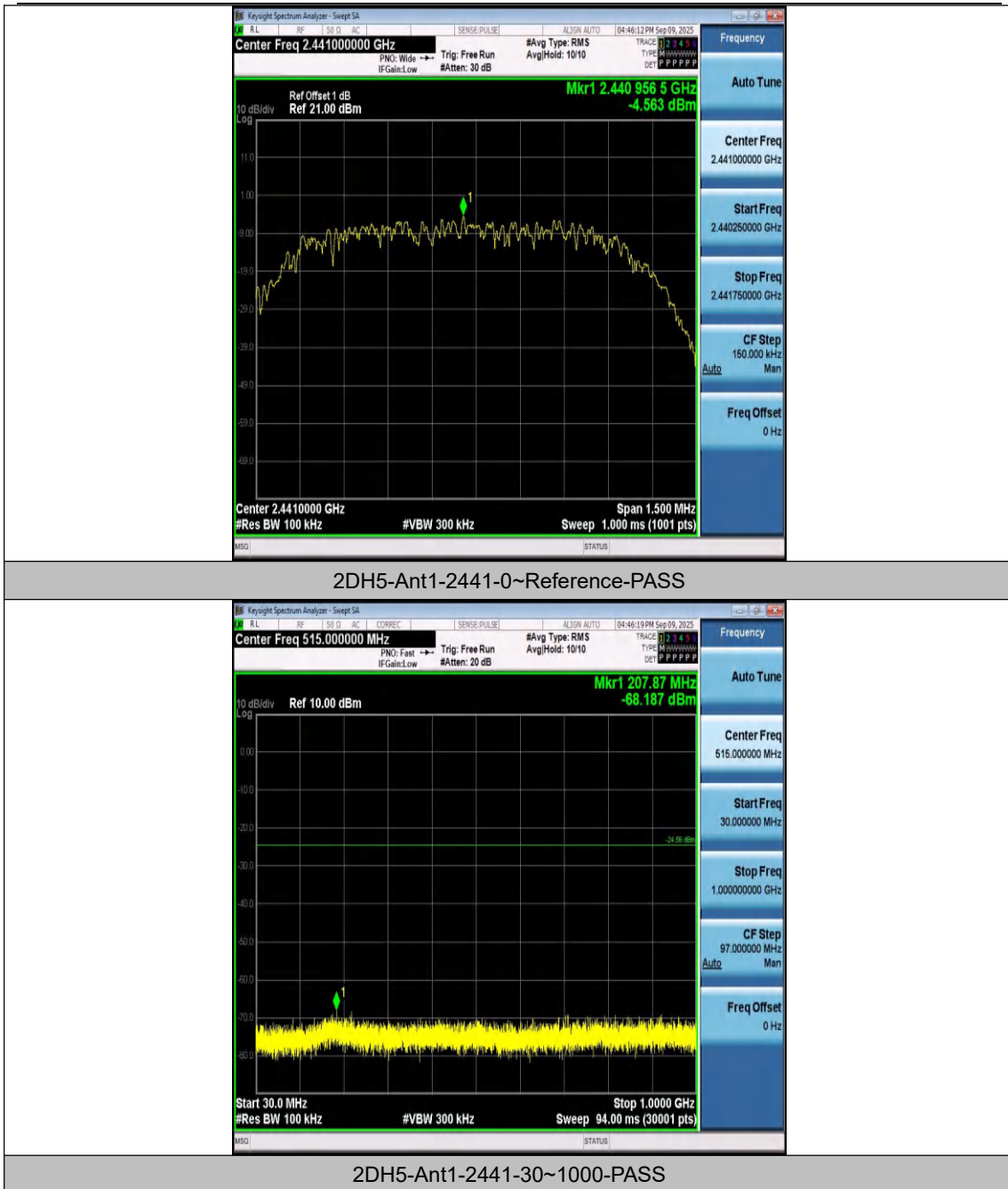
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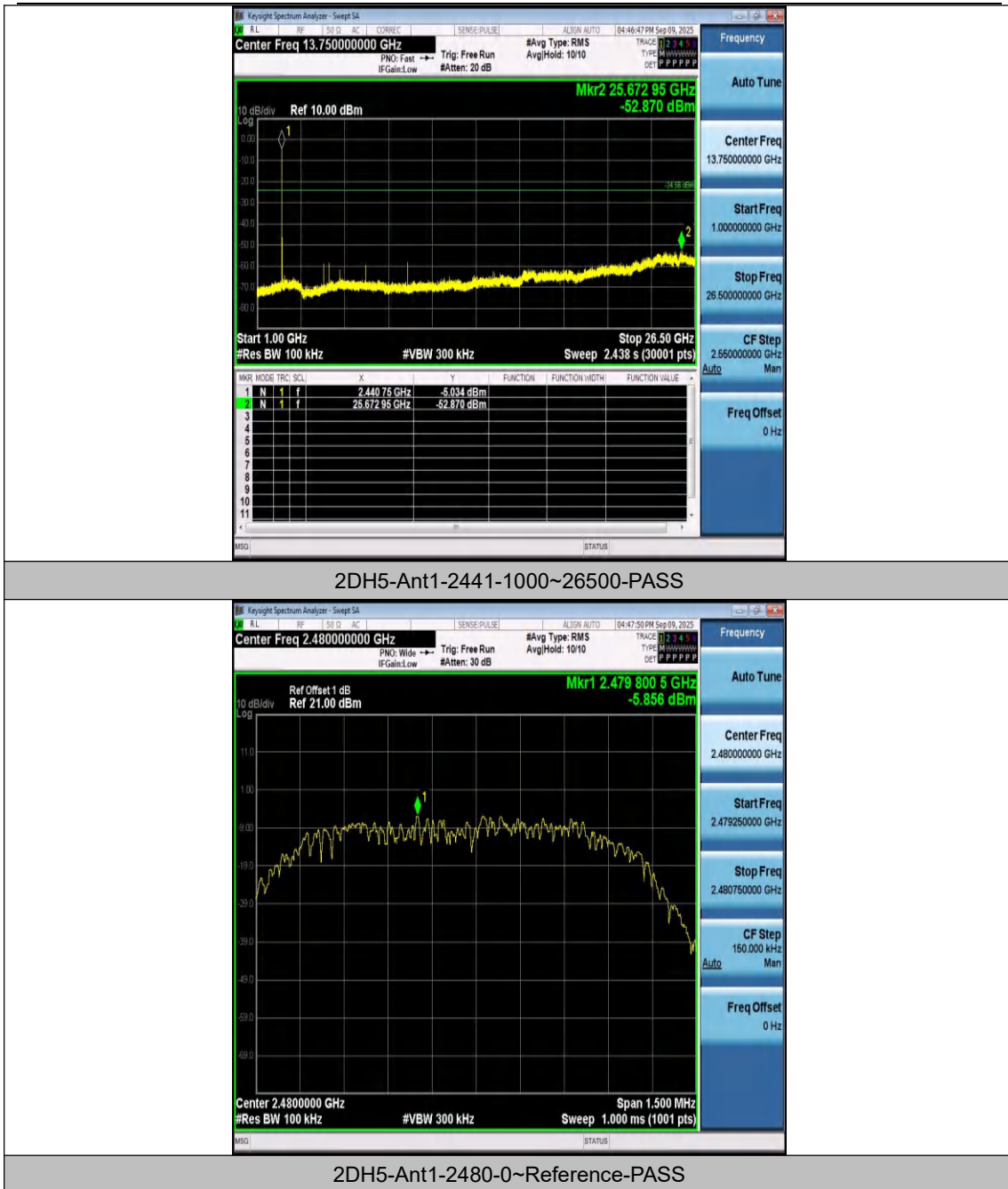
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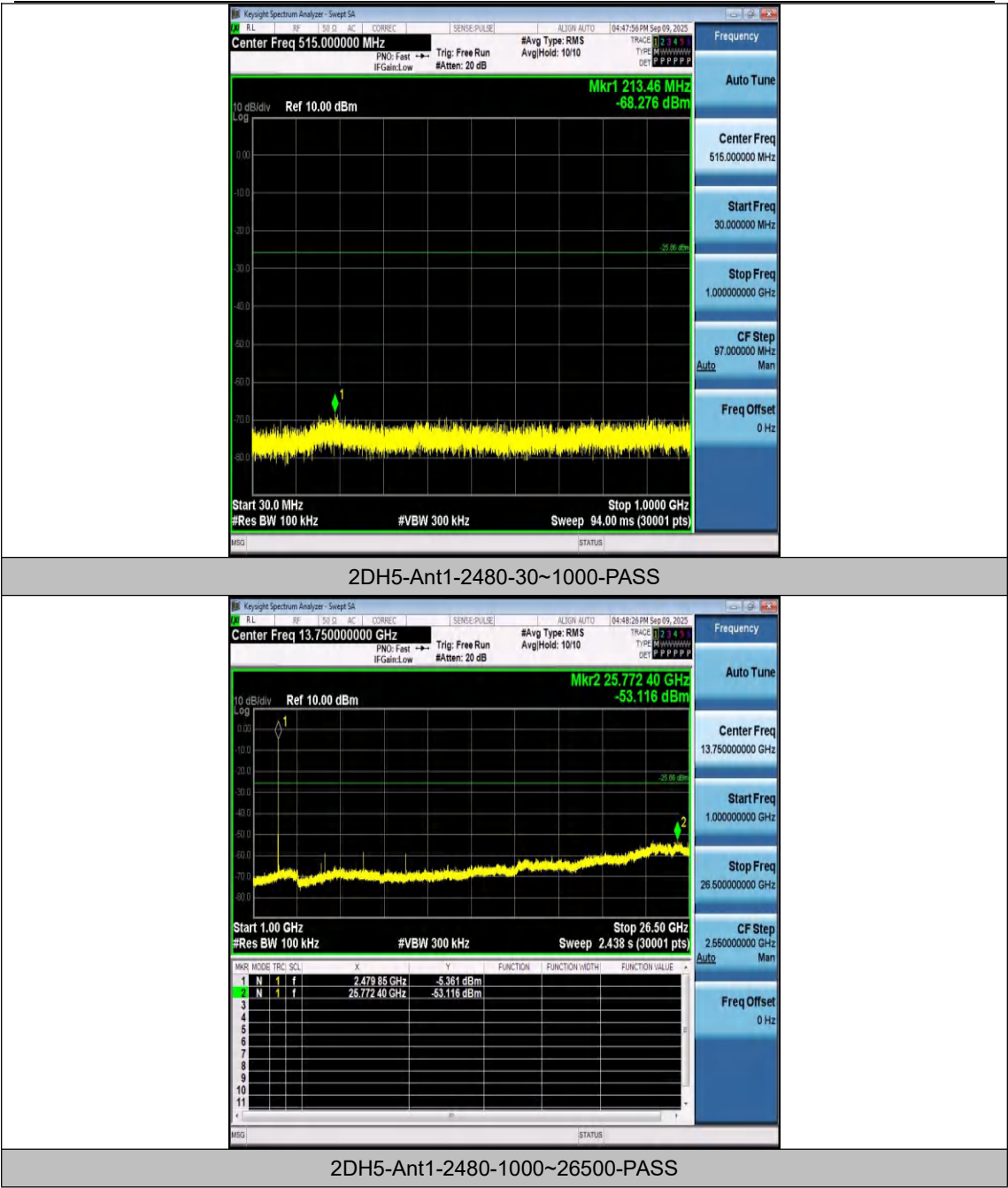
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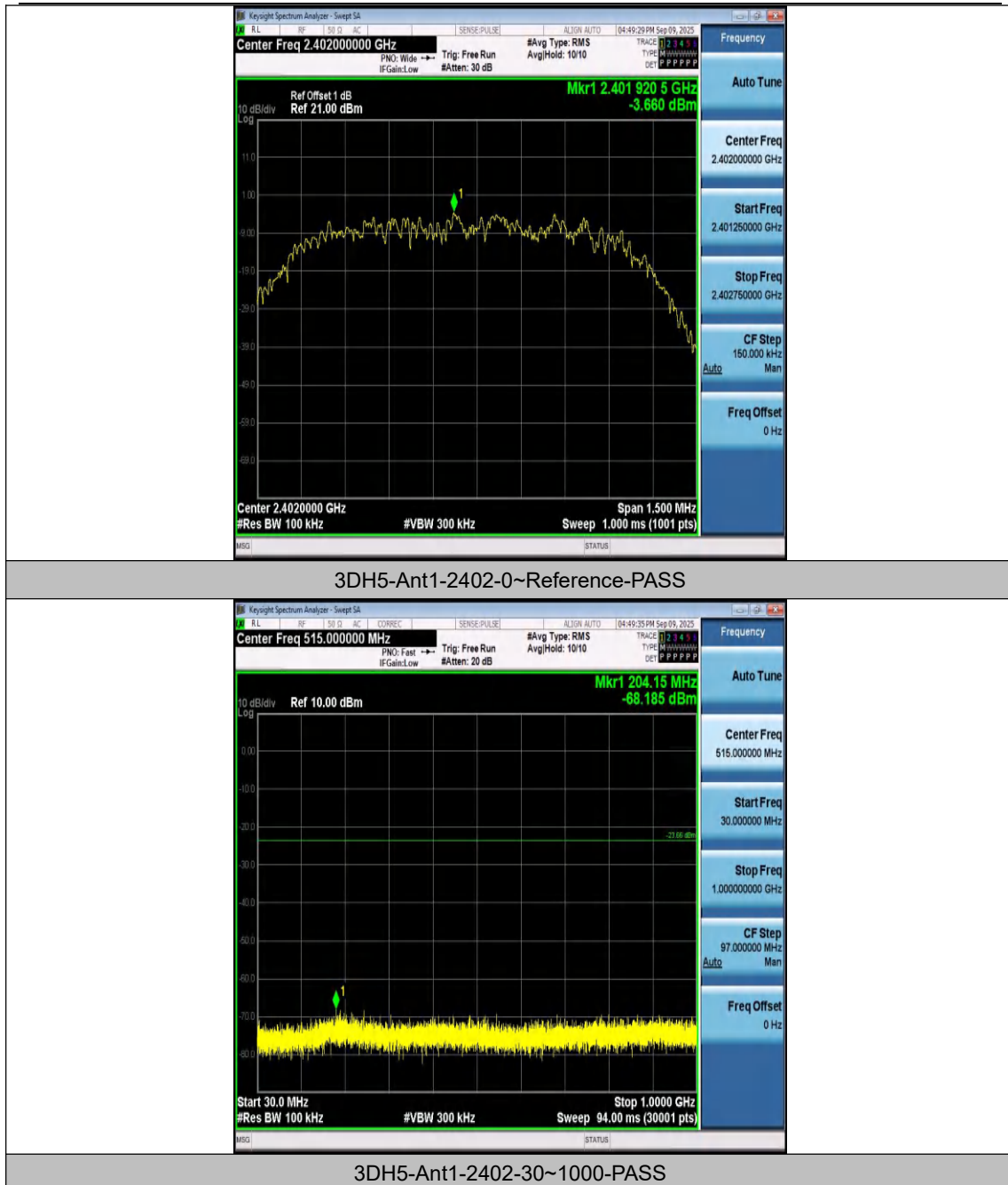


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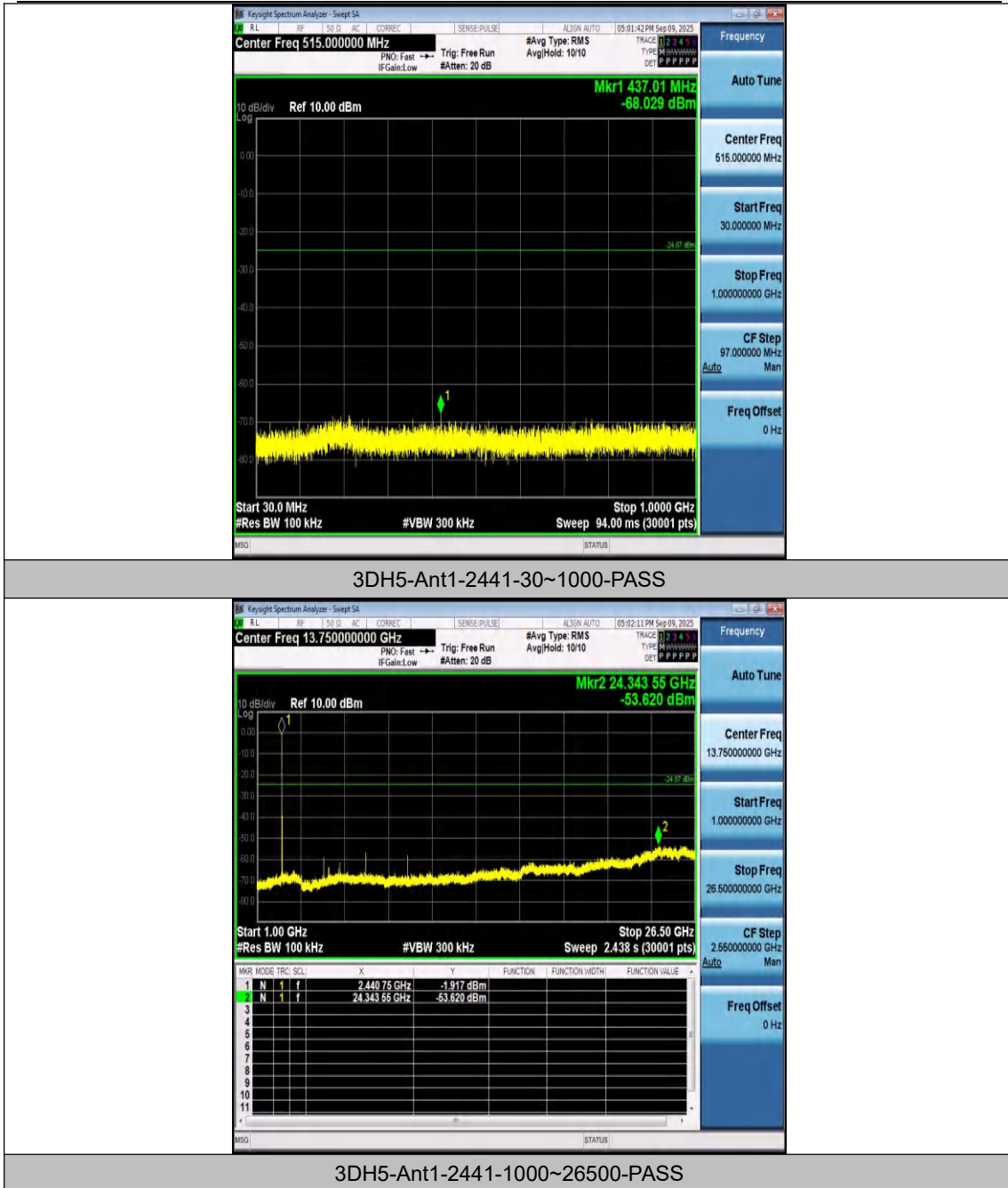
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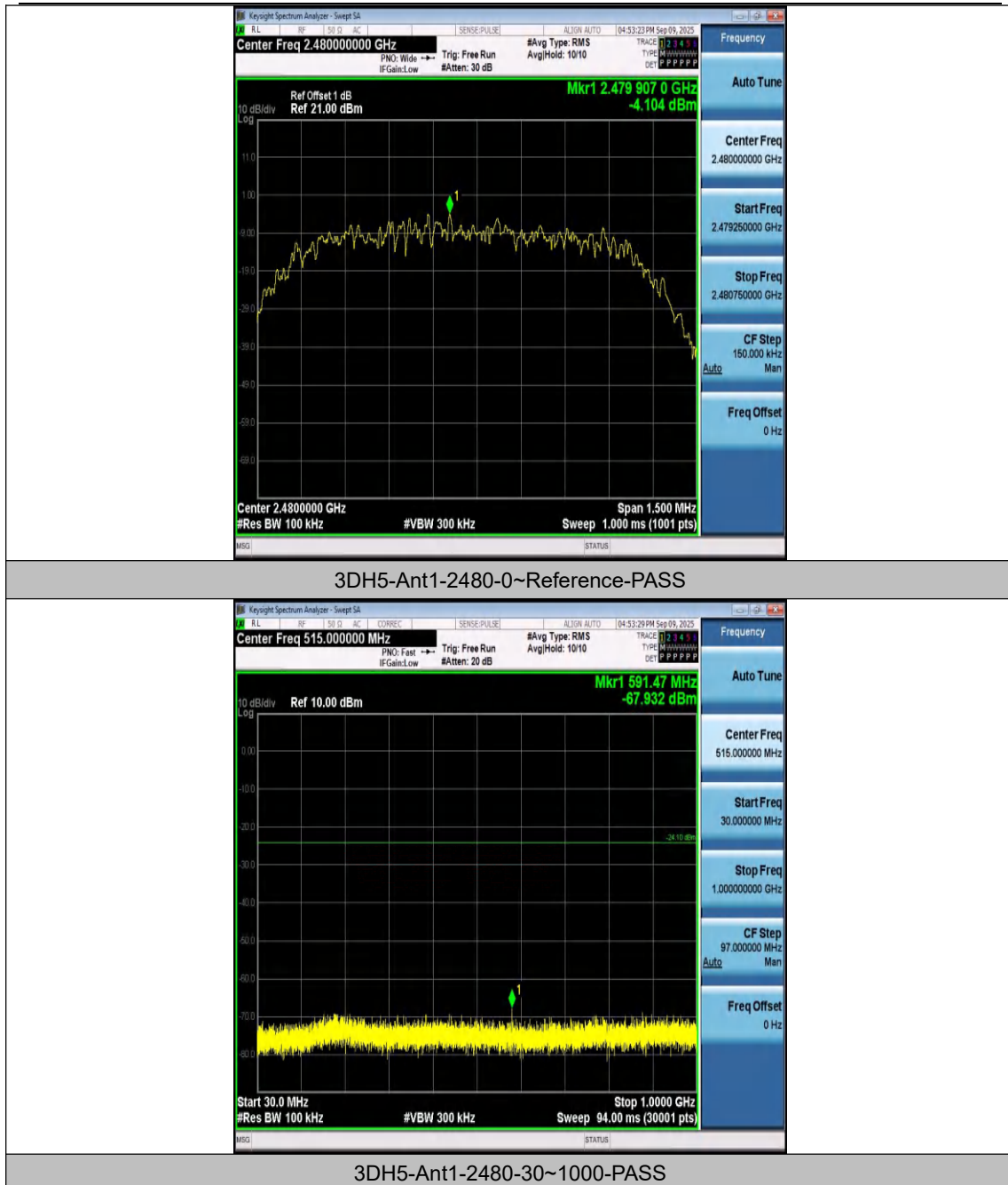
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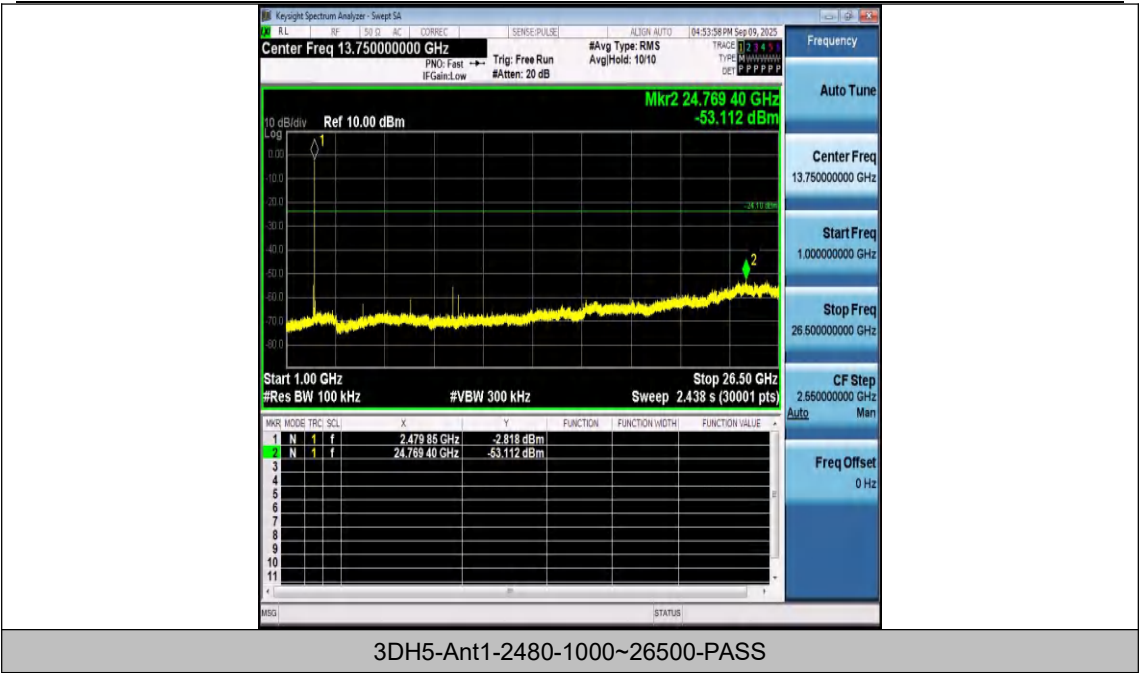
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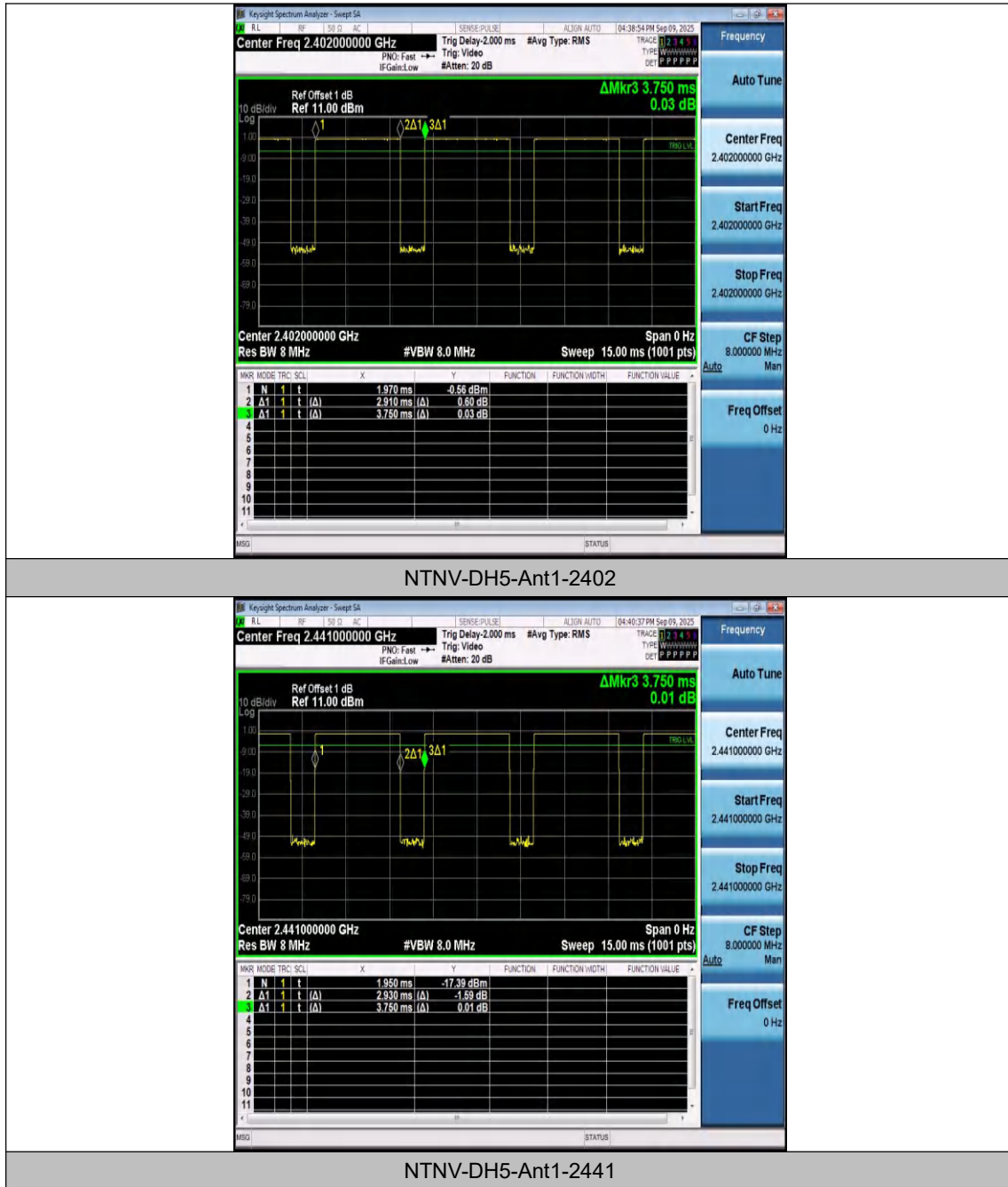
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Appendix I: Duty Cycle

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	2.93	3.75	78.13	1.07
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.93	3.75	78.13	1.07
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

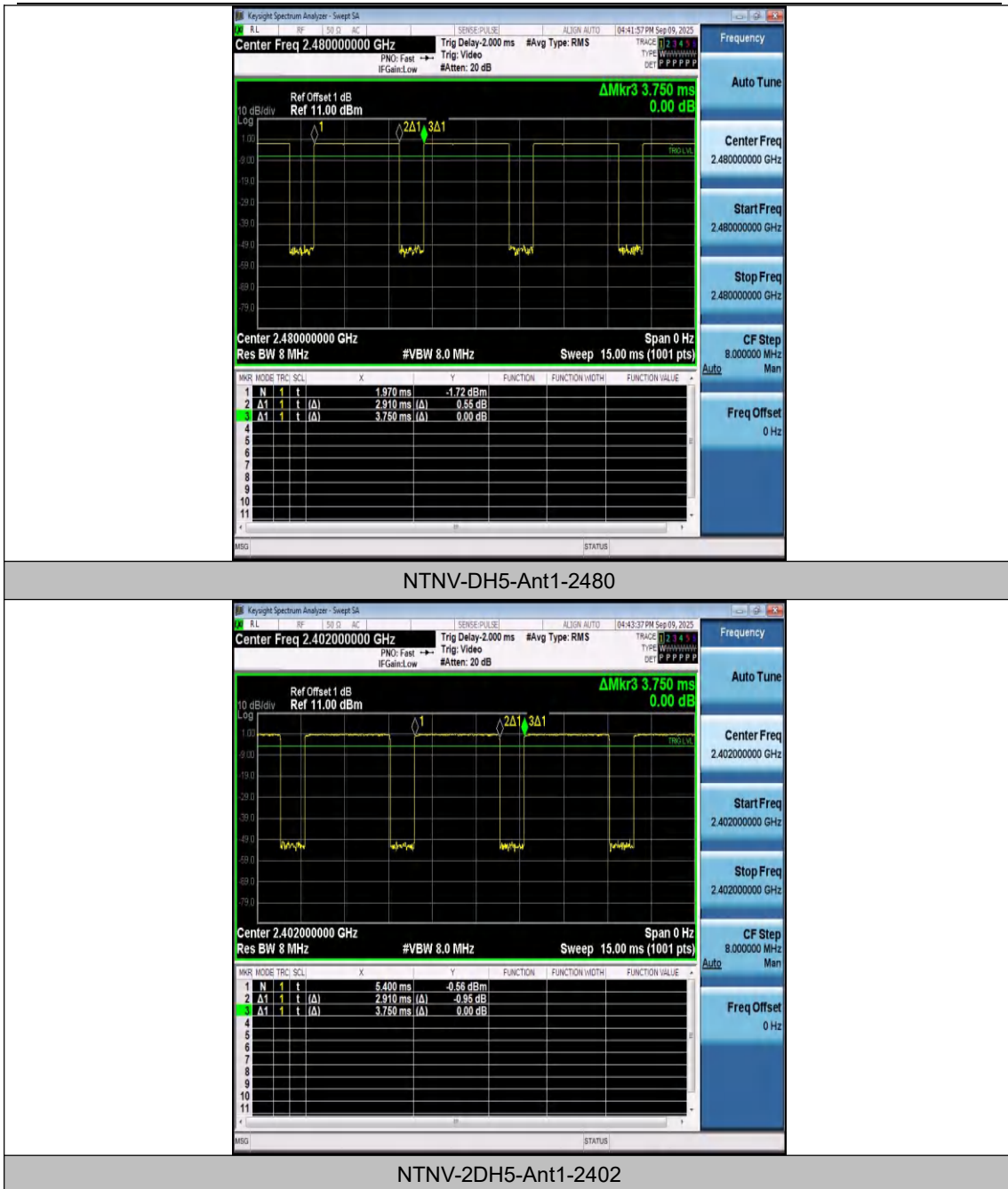
Test Graphs



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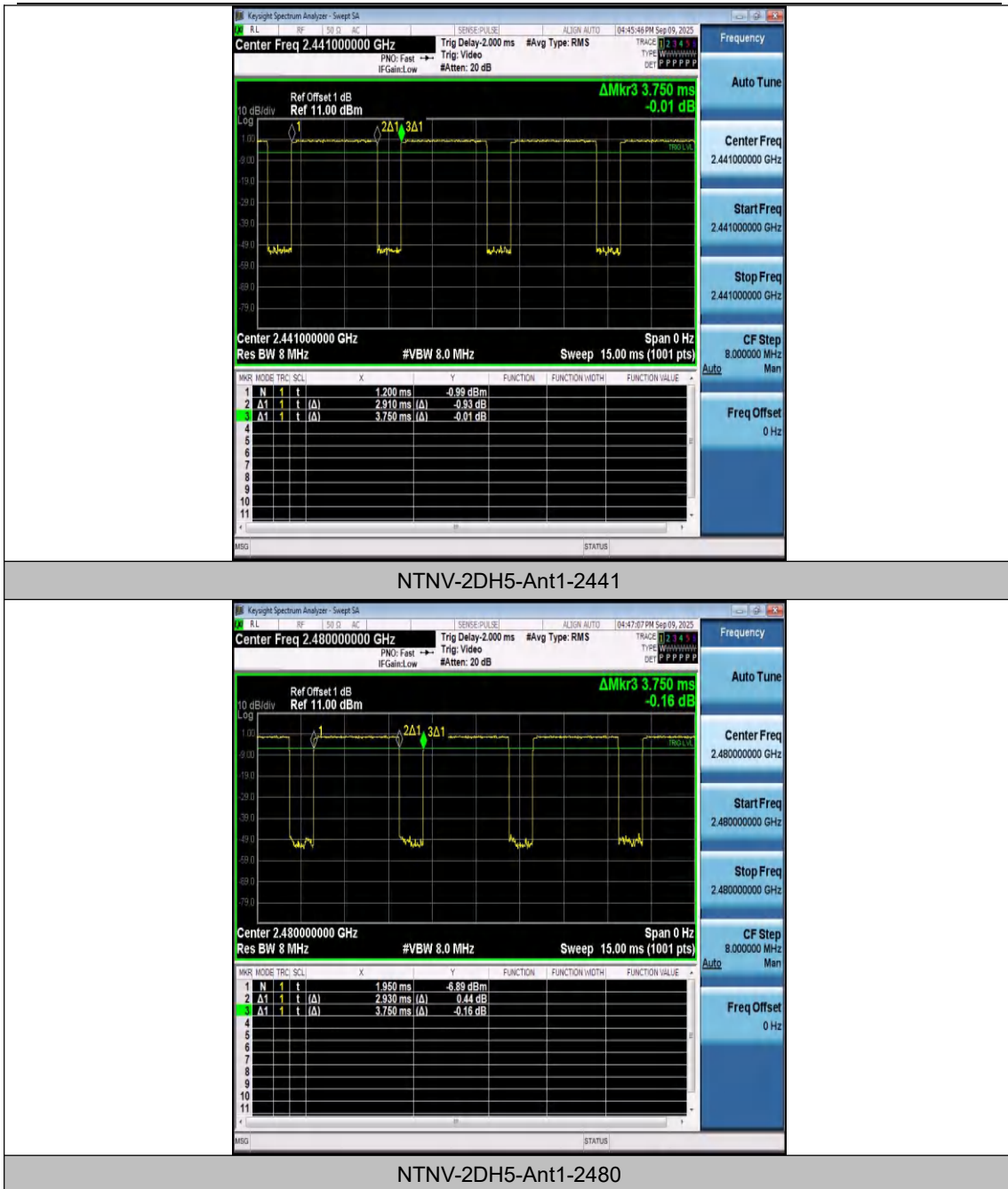
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