

Appendix Test Data

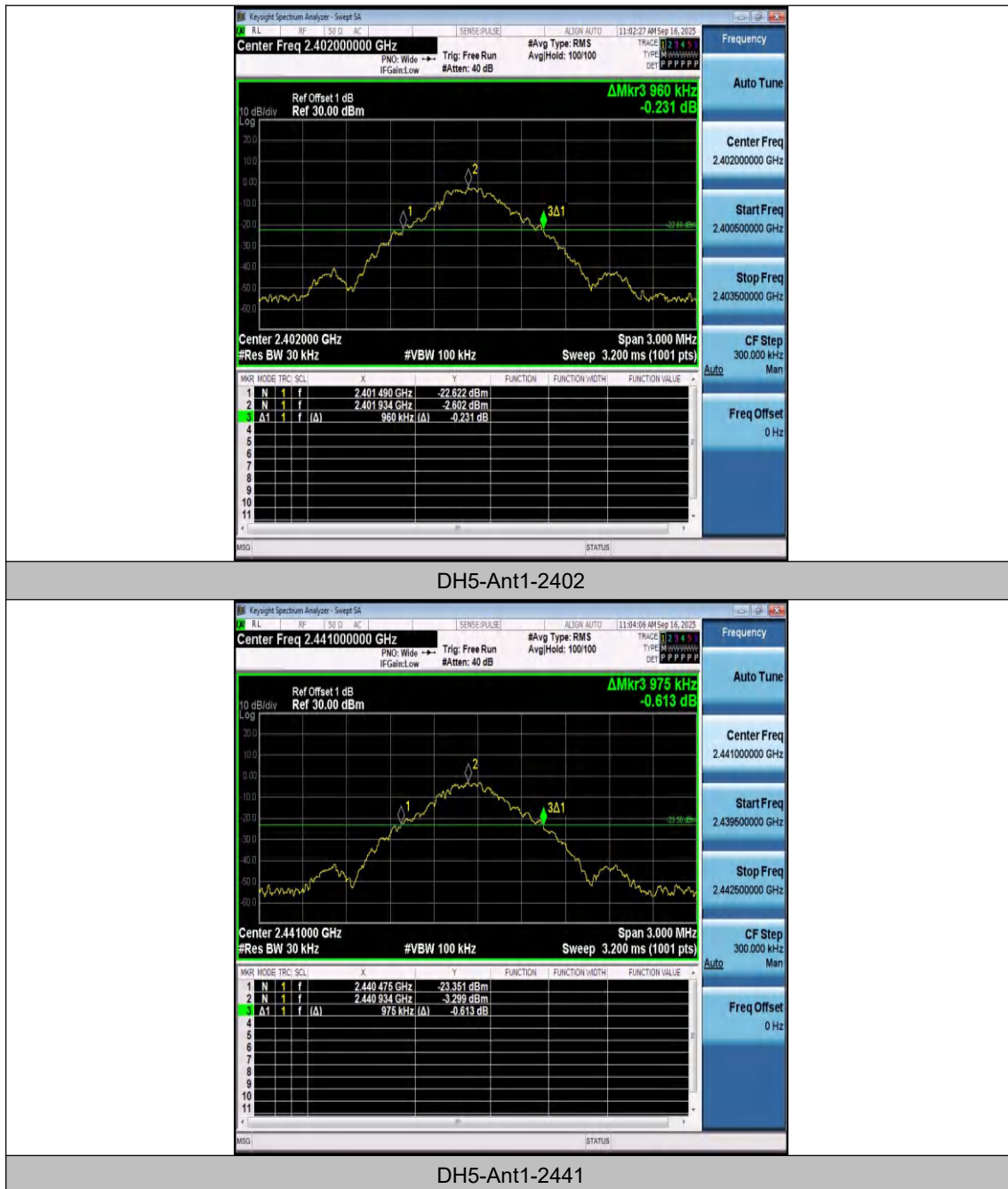
Report No.:	9812C50018912501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-16	Finish Test Date:	2025-09-16
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	22.9°C	Relative Humidity:	54%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.490	2402.450	---	---
DH5	Ant1	2441	0.975	2440.475	2441.450	---	---
DH5	Ant1	2480	0.963	2479.484	2480.447	---	---
2DH5	Ant1	2402	1.284	2401.319	2402.603	---	---
2DH5	Ant1	2441	1.323	2440.289	2441.612	---	---
2DH5	Ant1	2480	1.314	2479.295	2480.609	---	---
3DH5	Ant1	2402	1.287	2401.307	2402.594	---	---
3DH5	Ant1	2441	1.323	2440.292	2441.615	---	---
3DH5	Ant1	2480	1.299	2479.304	2480.603	---	---

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	0.86537	2401.5254	2402.3908	---	---
DH5	Ant1	2441	0.85246	2440.5247	2441.3772	---	---
DH5	Ant1	2480	0.86942	2479.5199	2480.3894	---	---
2DH5	Ant1	2402	1.1691	2401.3691	2402.5382	---	---
2DH5	Ant1	2441	1.1817	2440.3617	2441.5434	---	---
2DH5	Ant1	2480	1.1721	2479.3657	2480.5378	---	---
3DH5	Ant1	2402	1.1831	2401.3678	2402.5509	---	---
3DH5	Ant1	2441	1.1929	2440.3601	2441.5530	---	---
3DH5	Ant1	2480	1.1943	2479.3656	2480.5599	---	---

Test Graphs



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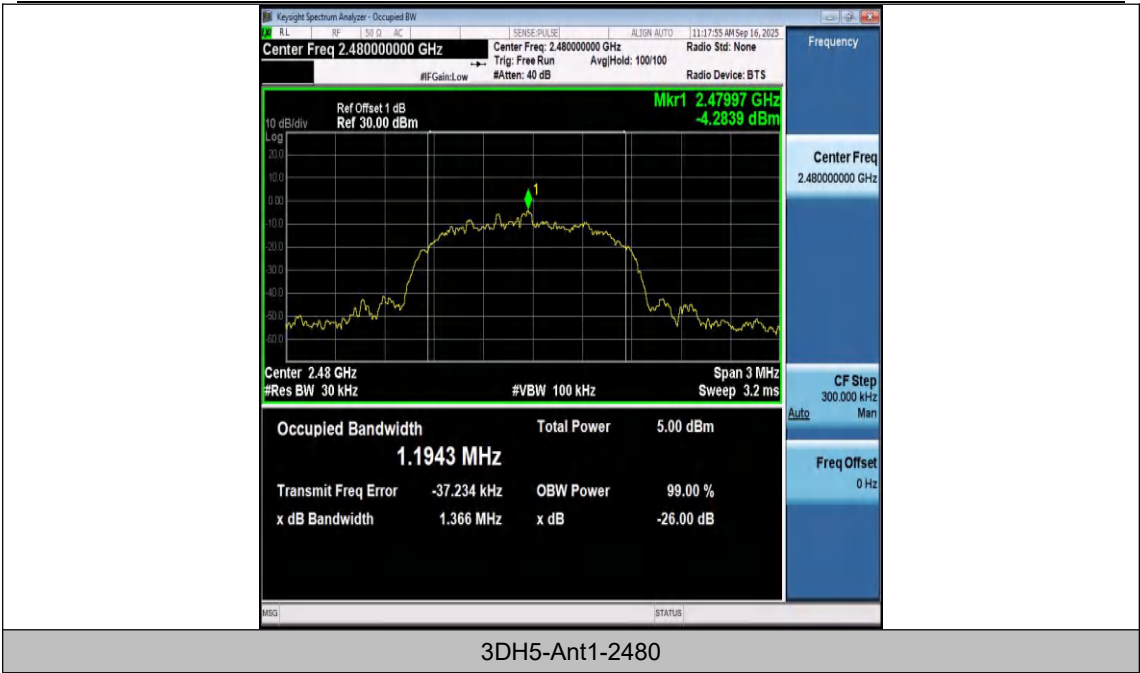




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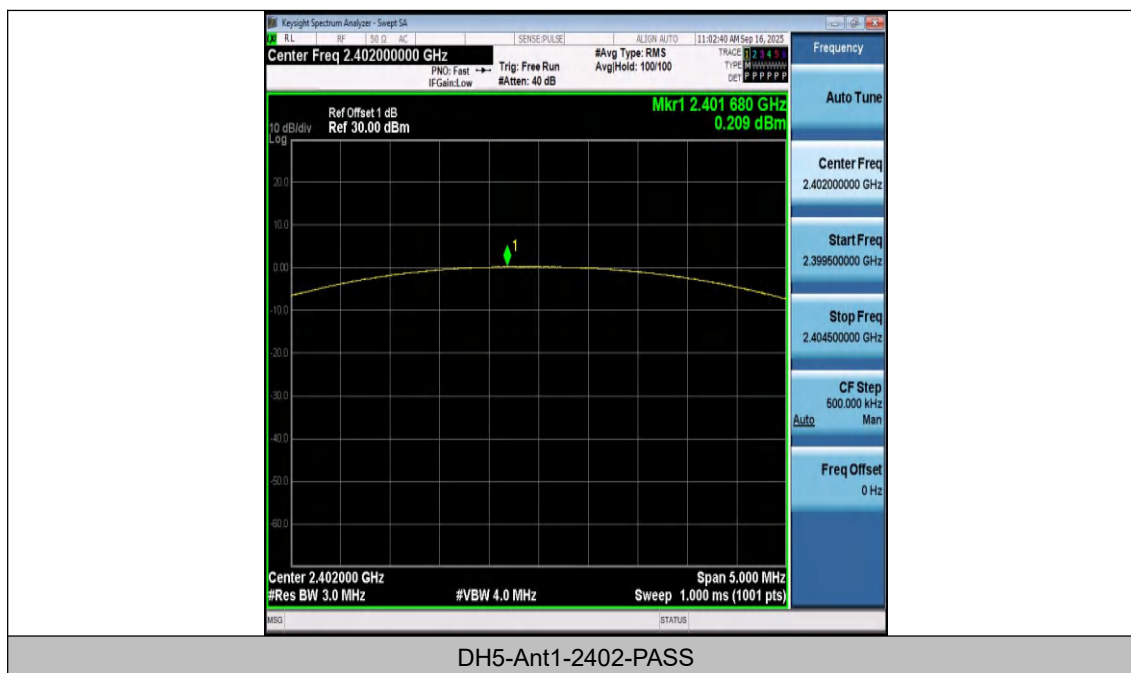
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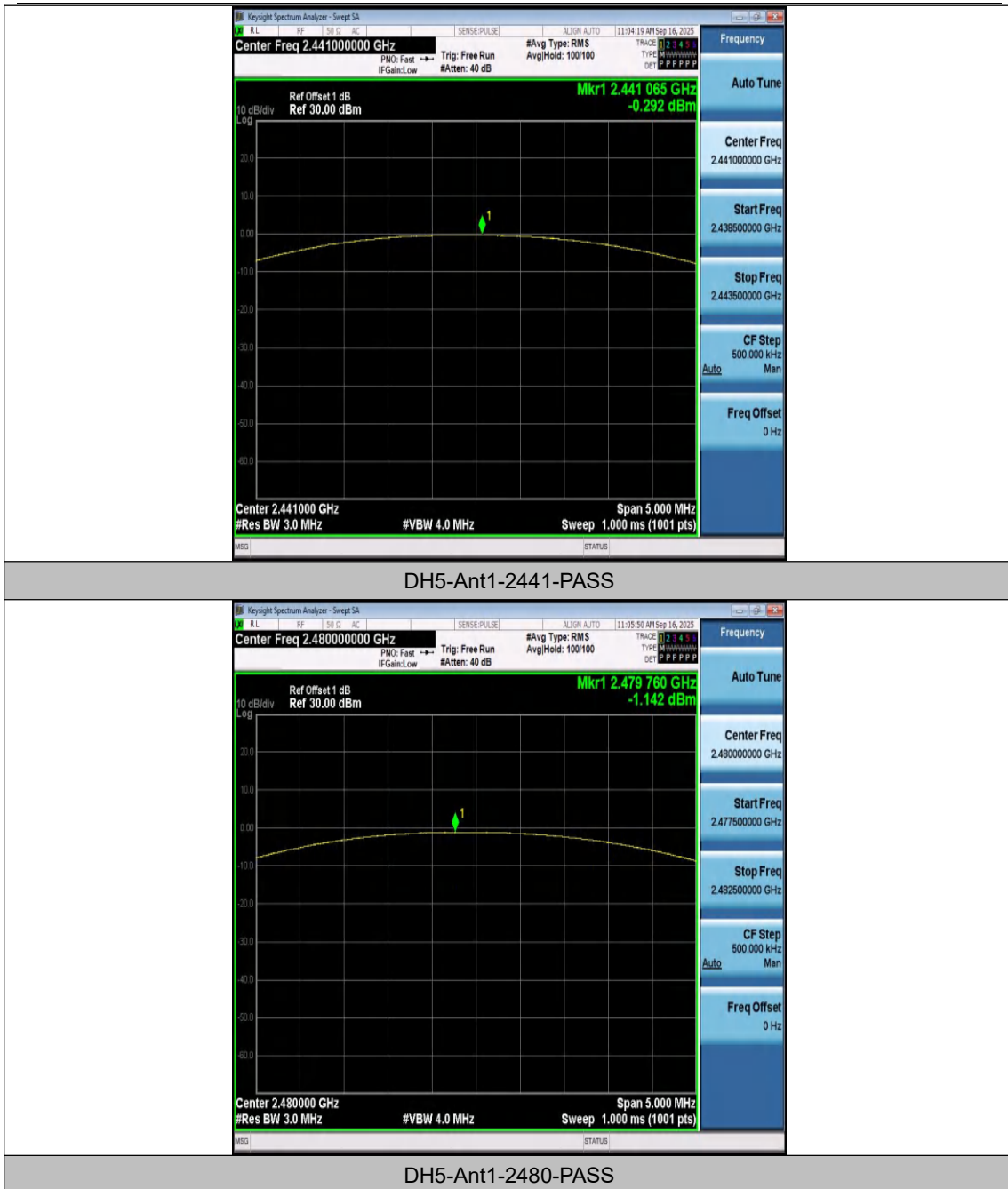
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.21	≤20.97	PASS
DH5	Ant1	2441	-0.29	≤20.97	PASS
DH5	Ant1	2480	-1.14	≤20.97	PASS
2DH5	Ant1	2402	0.89	≤20.97	PASS
2DH5	Ant1	2441	0.45	≤20.97	PASS
2DH5	Ant1	2480	-0.38	≤20.97	PASS
3DH5	Ant1	2402	1.45	≤20.97	PASS
3DH5	Ant1	2441	1.17	≤20.97	PASS
3DH5	Ant1	2480	0.31	≤20.97	PASS

Test Graphs

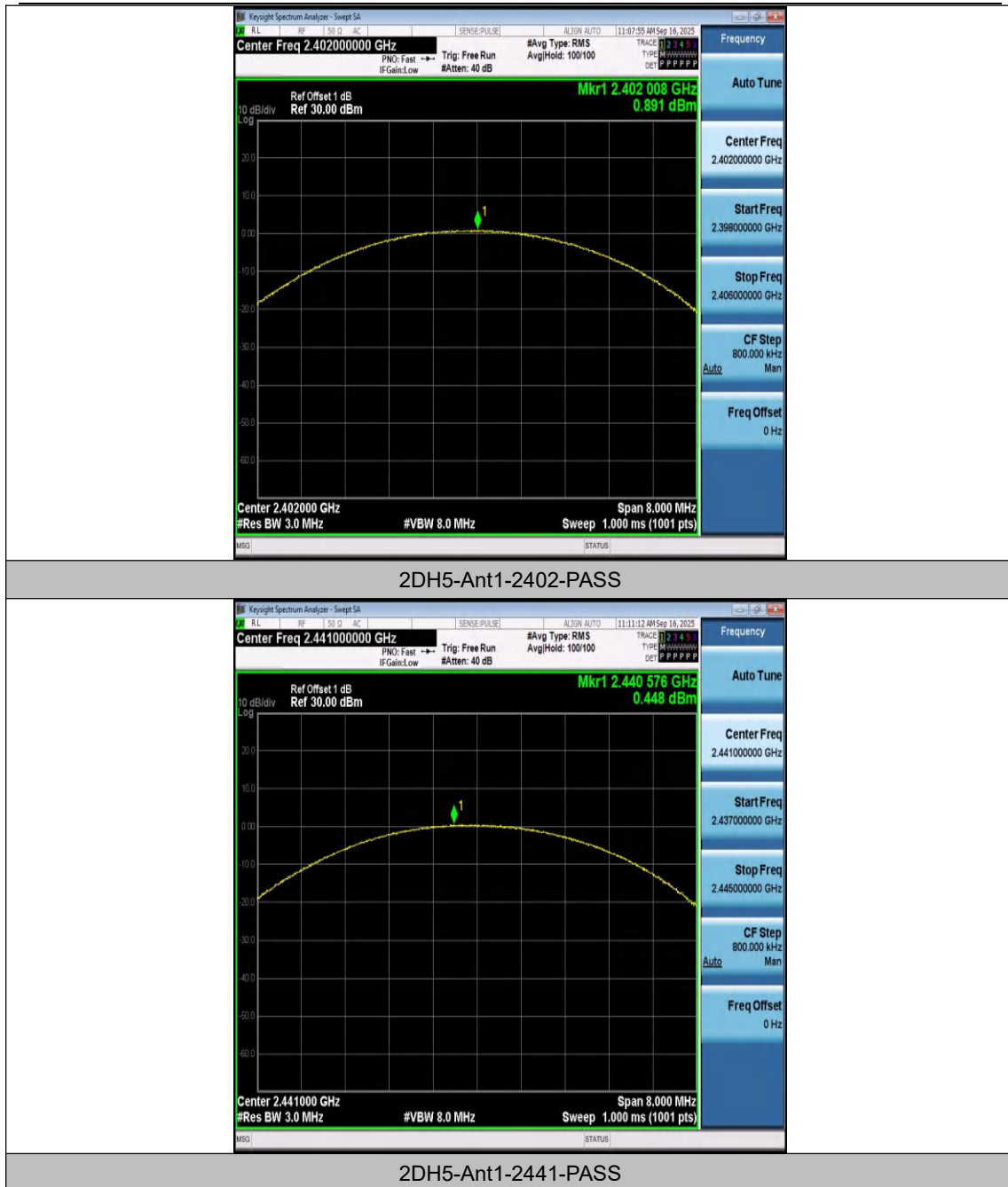




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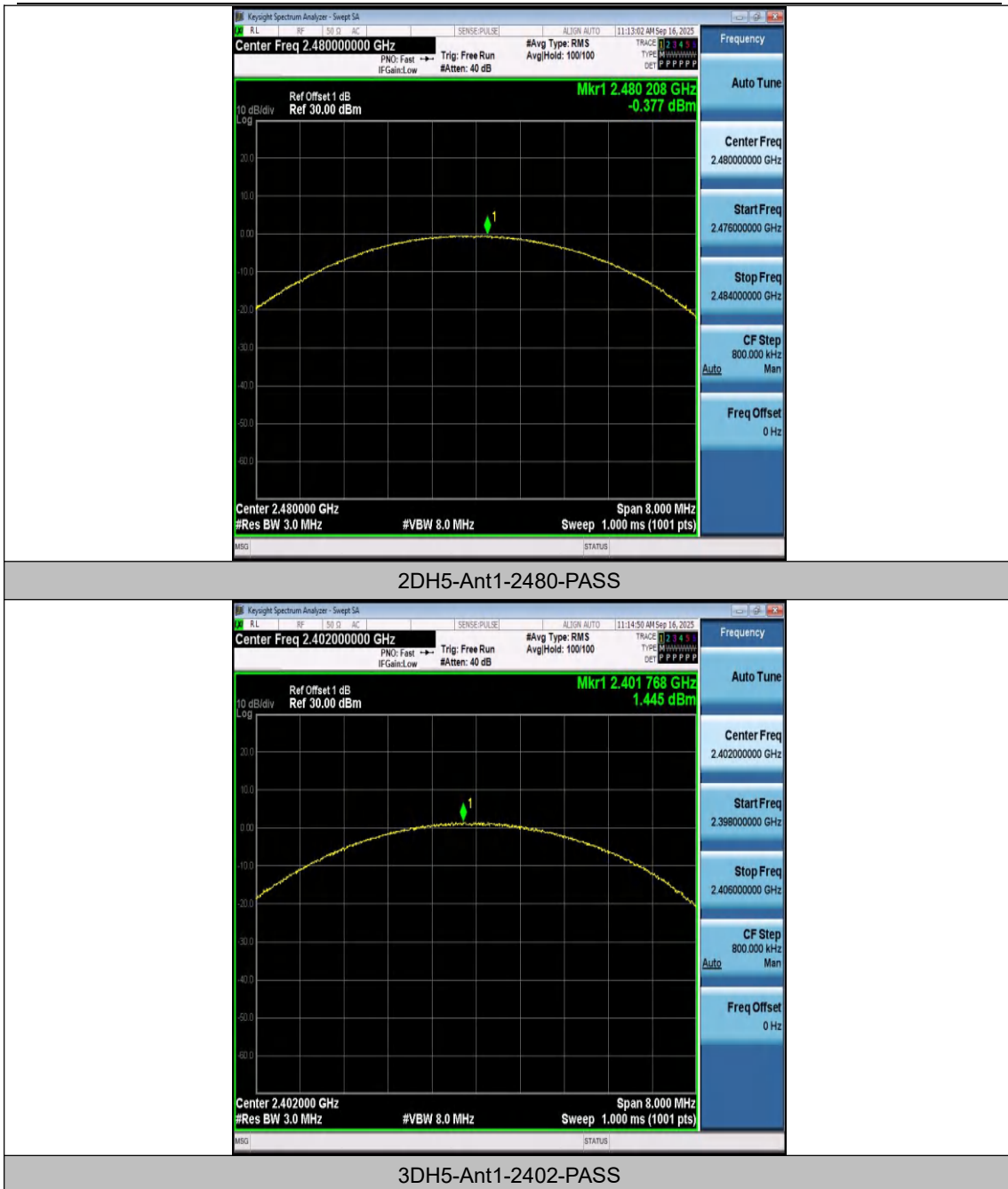
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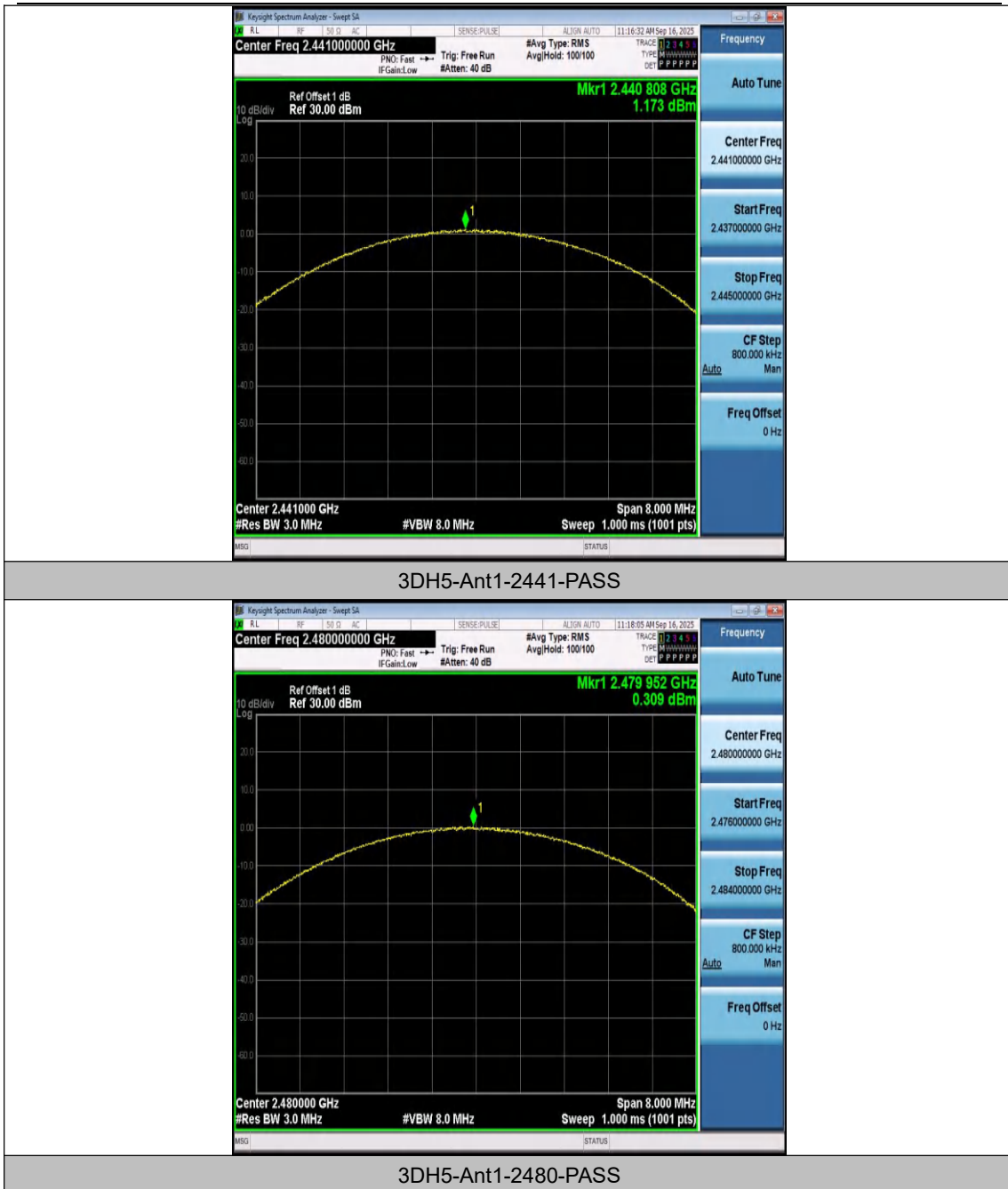
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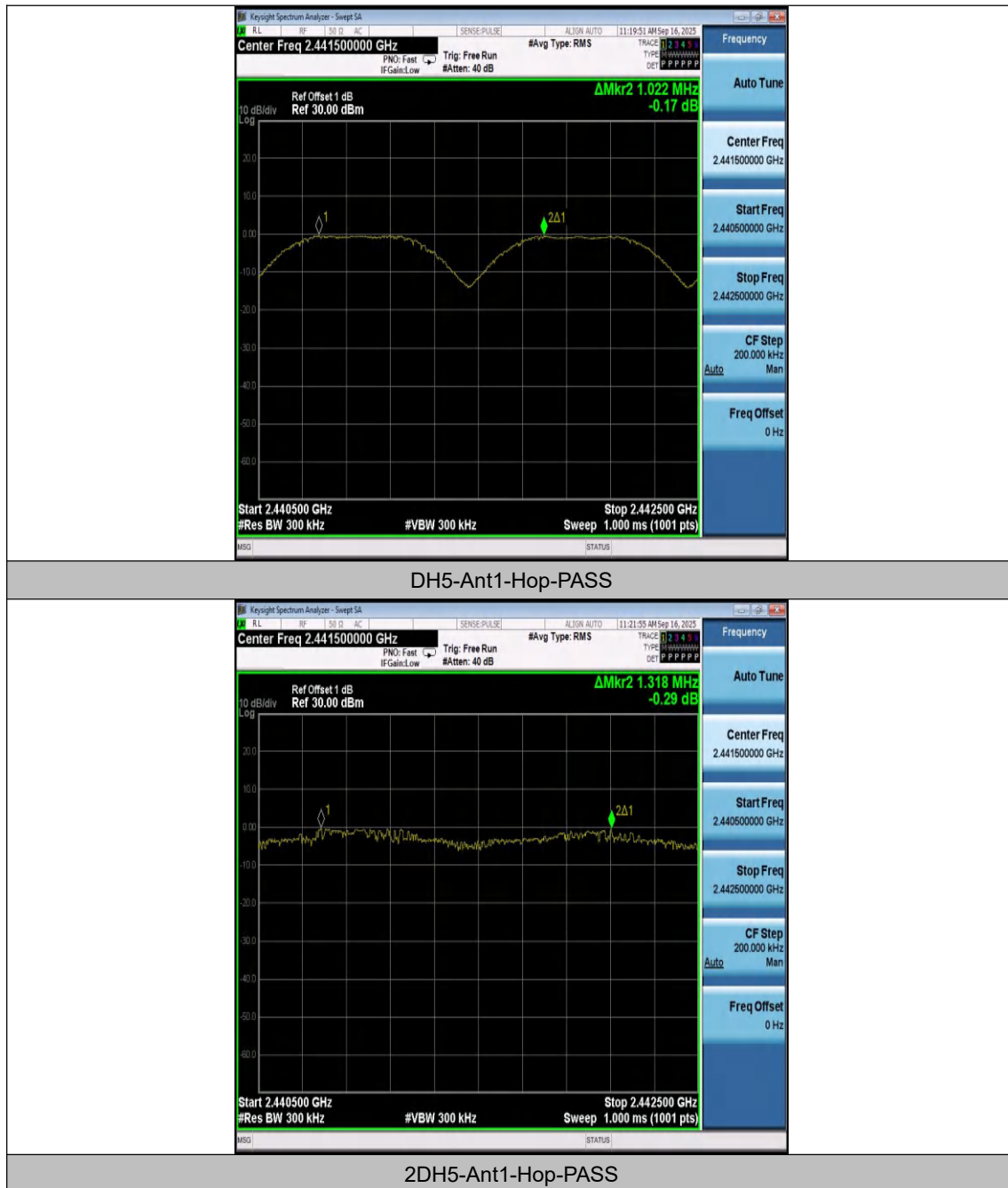
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥0.975	PASS
2DH5	Ant1	Hop	1.318	≥0.882	PASS
3DH5	Ant1	Hop	1.324	≥1.323	PASS

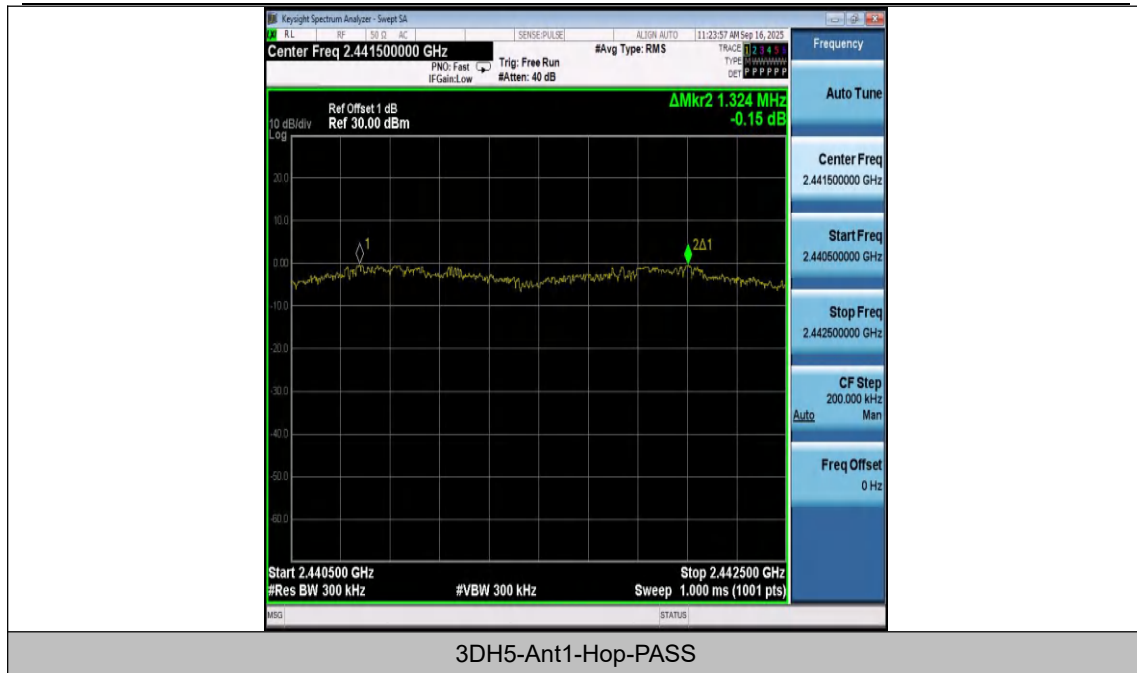
Test Graphs



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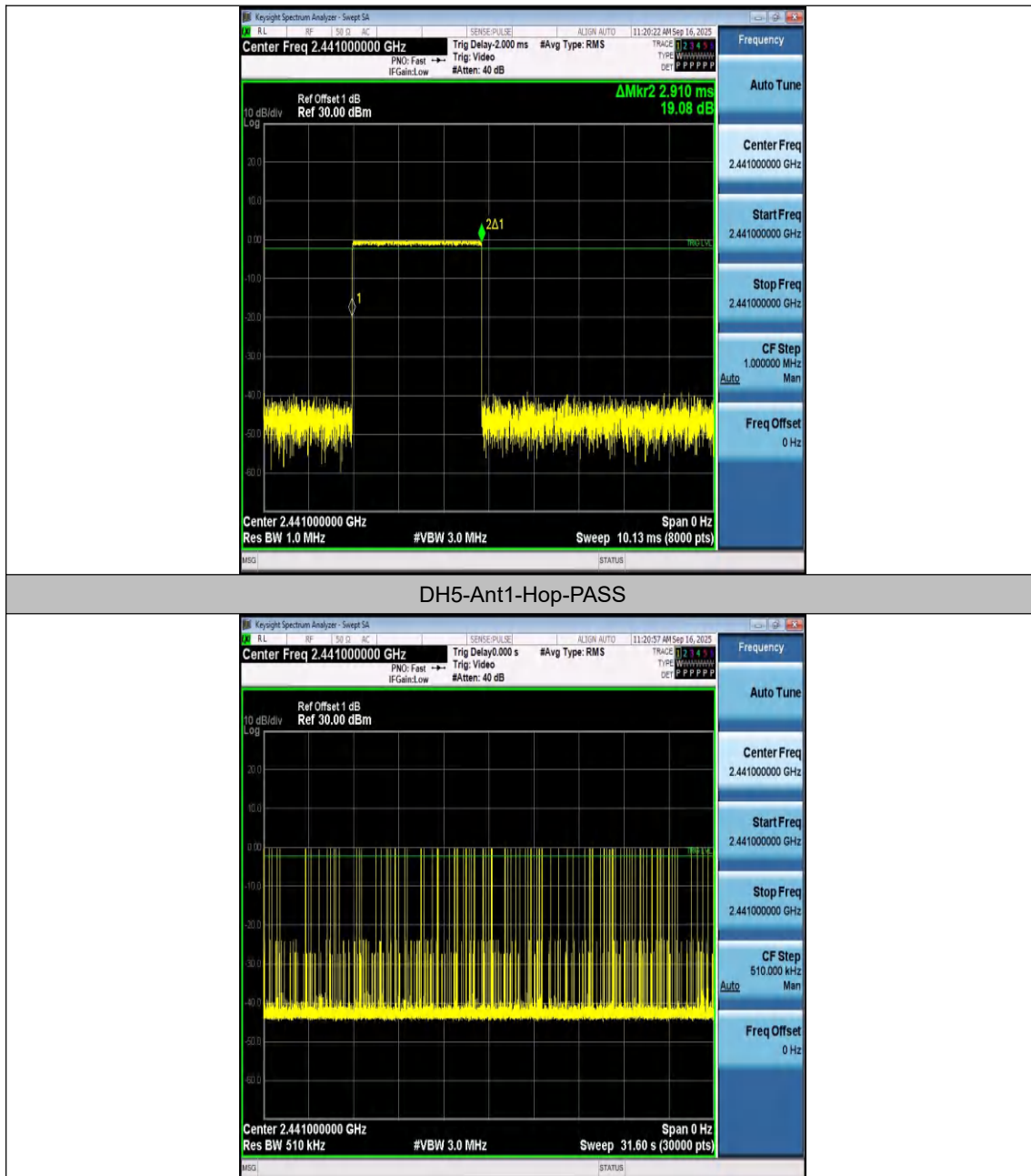
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.910	109	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.915	107	0.312	≤0.4	PASS
3DH5	Ant1	Hop	2.917	100	0.292	≤0.4	PASS

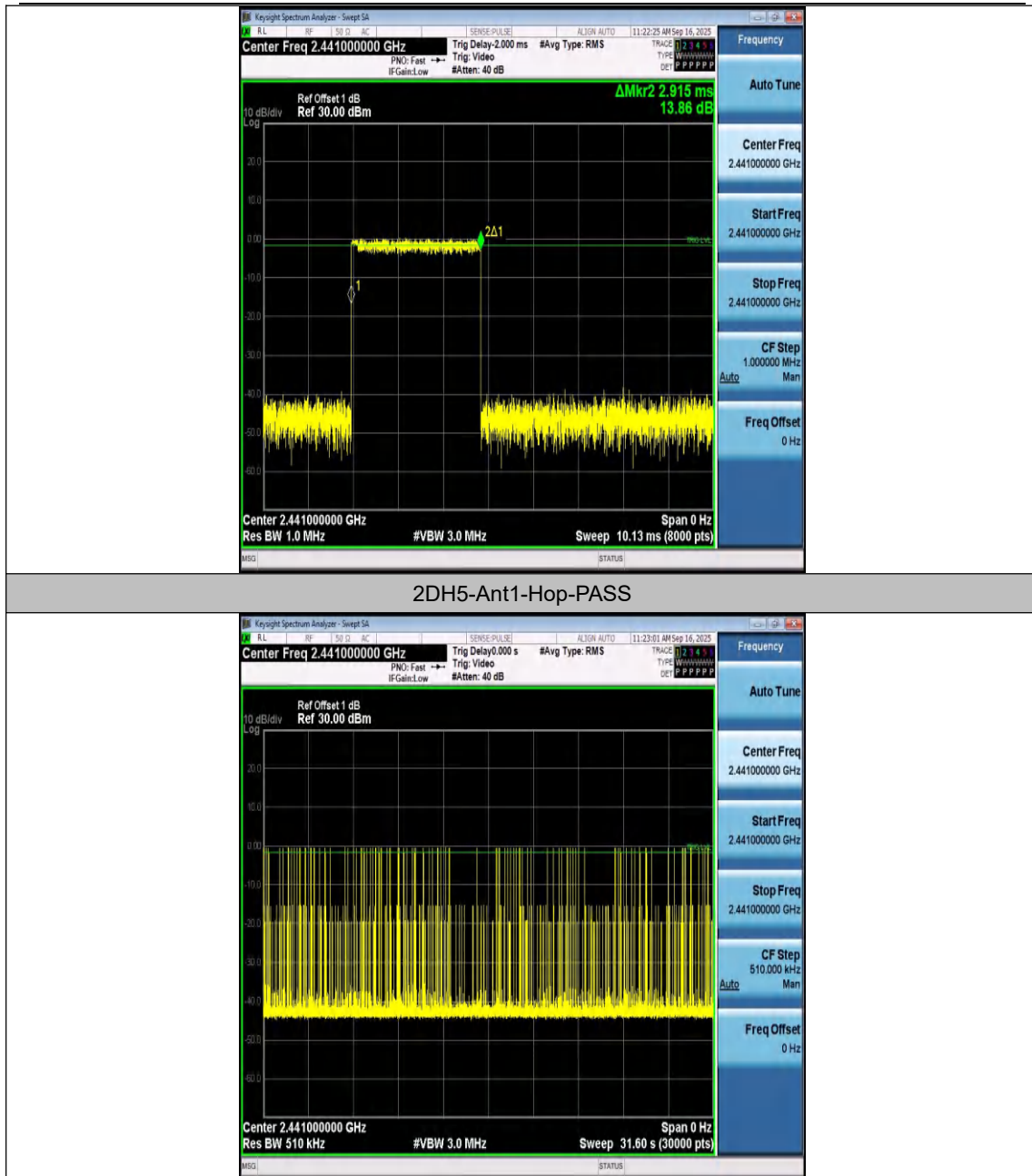
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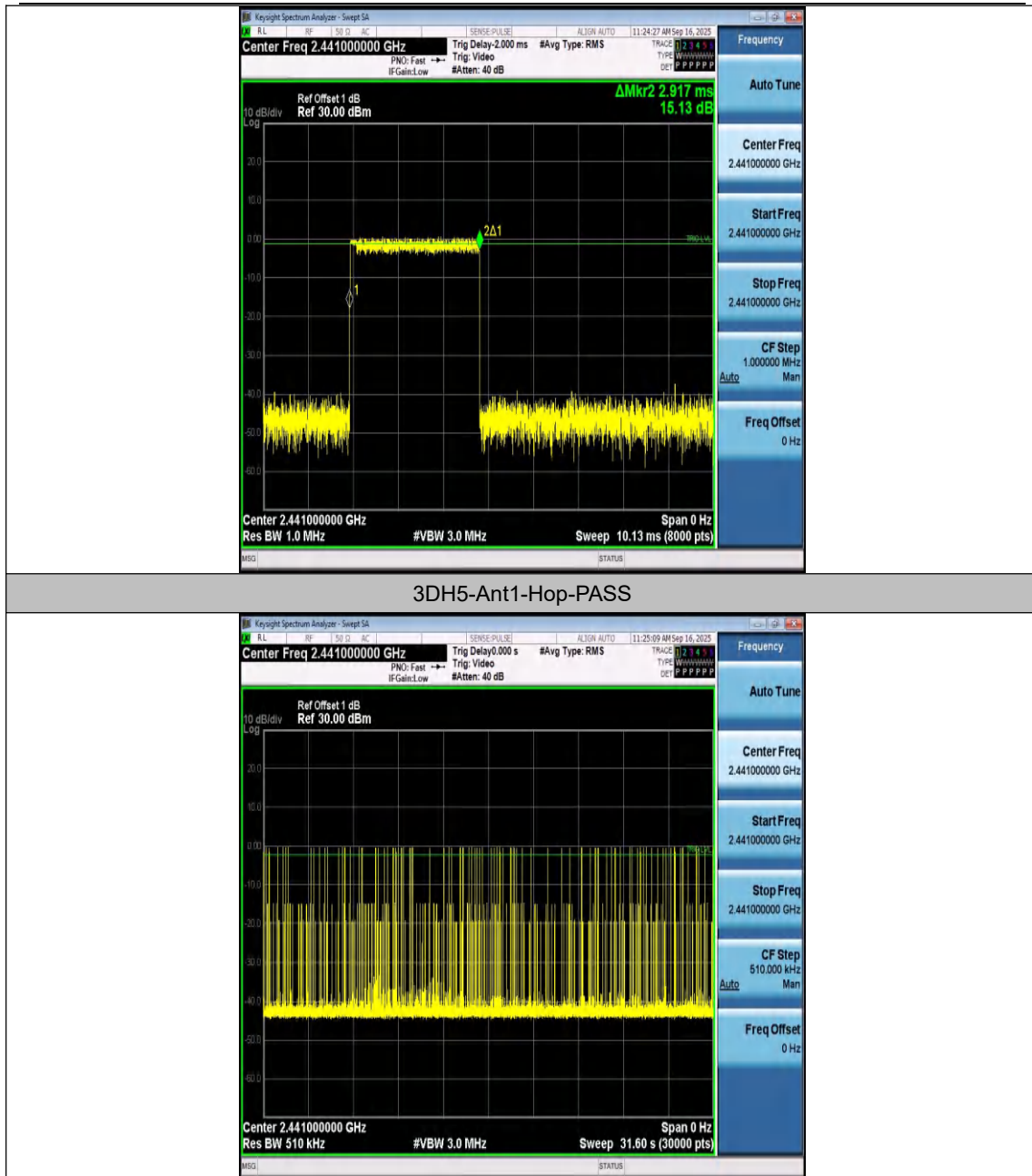
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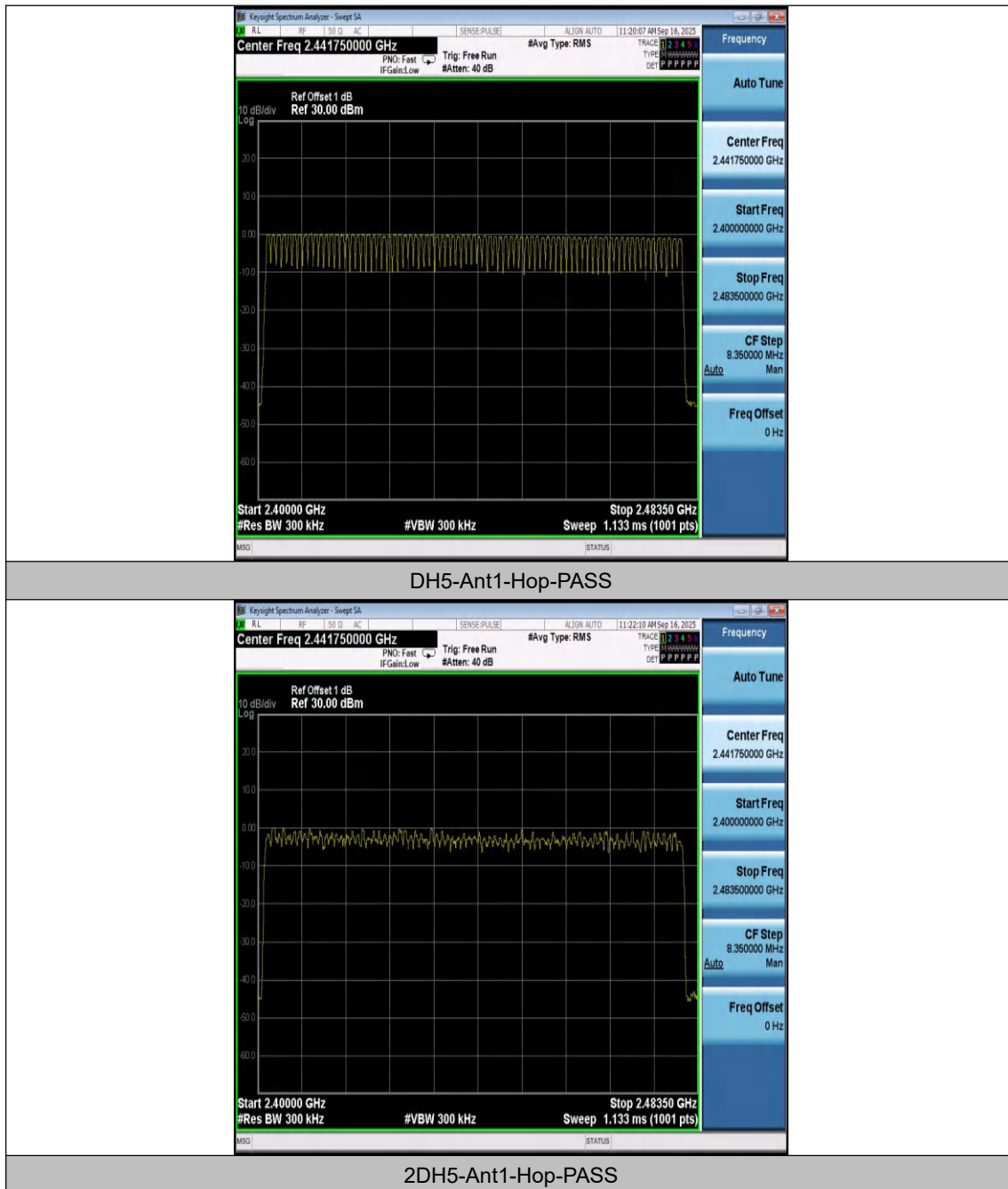
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Appendix F: Number of Hopping Channel

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

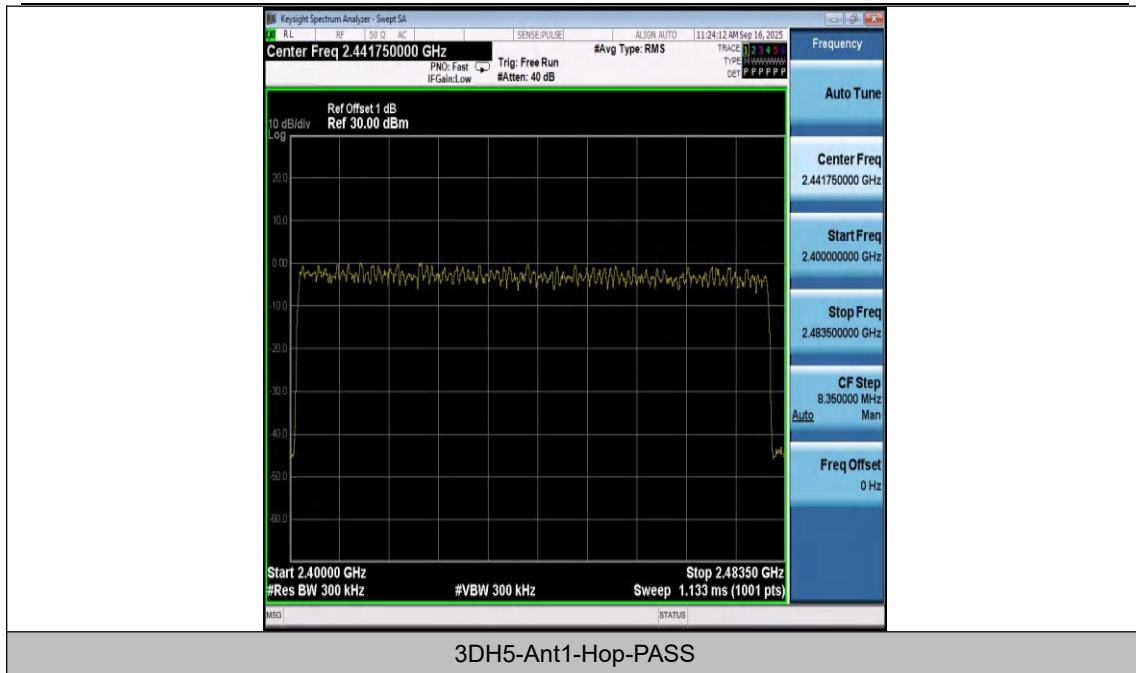
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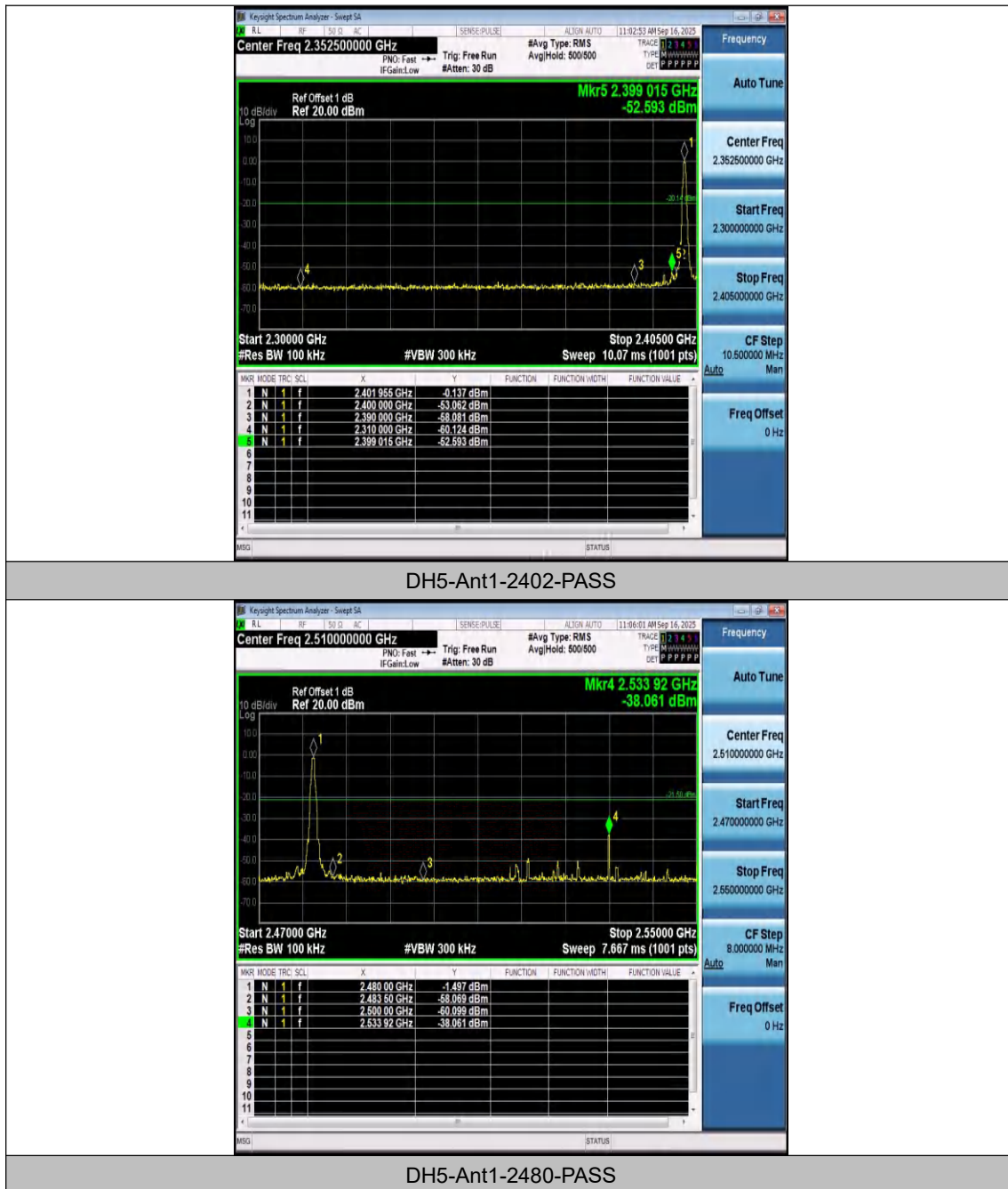
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.14	-52.59	≤-20.14	PASS
DH5	Ant1	High	2480	-1.50	-38.06	≤-21.5	PASS
DH5	Ant1	Low	Hop_2402	-0.67	-54.2	≤-20.67	PASS
DH5	Ant1	High	Hop_2480	-1.51	-39.43	≤-21.51	PASS
2DH5	Ant1	Low	2402	-0.74	-49.25	≤-20.74	PASS
2DH5	Ant1	High	2480	-1.66	-41.43	≤-21.66	PASS
2DH5	Ant1	Low	Hop_2402	-2.14	-55.6	≤-22.14	PASS
2DH5	Ant1	High	Hop_2480	-5.02	-27.87	≤-25.02	PASS
3DH5	Ant1	Low	2402	-0.33	-39.68	≤-20.33	PASS
3DH5	Ant1	High	2480	-1.42	-40.22	≤-21.42	PASS
3DH5	Ant1	Low	Hop_2402	-1.53	-57.19	≤-21.53	PASS
3DH5	Ant1	High	Hop_2480	-2.59	-41.81	≤-22.59	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.

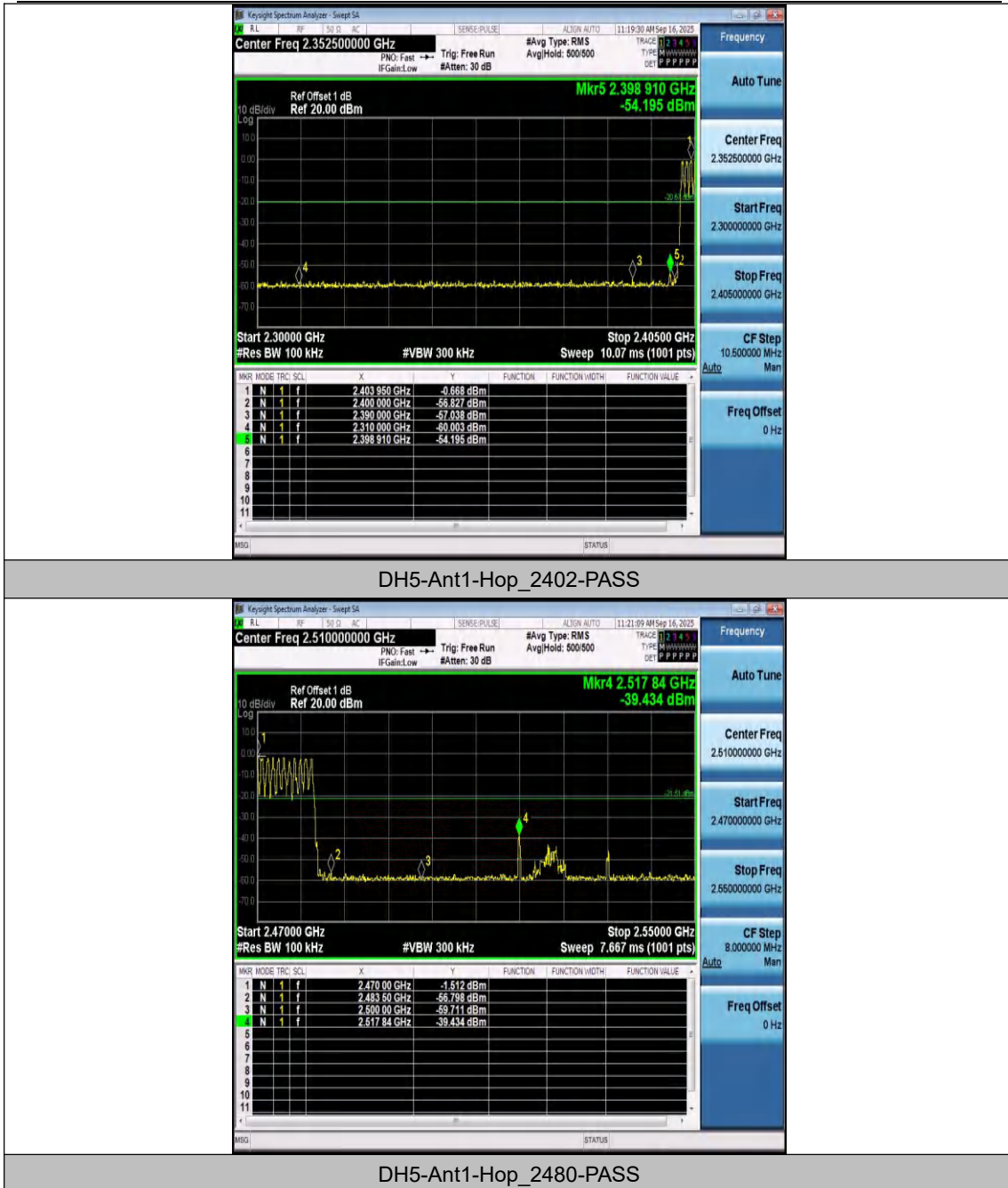
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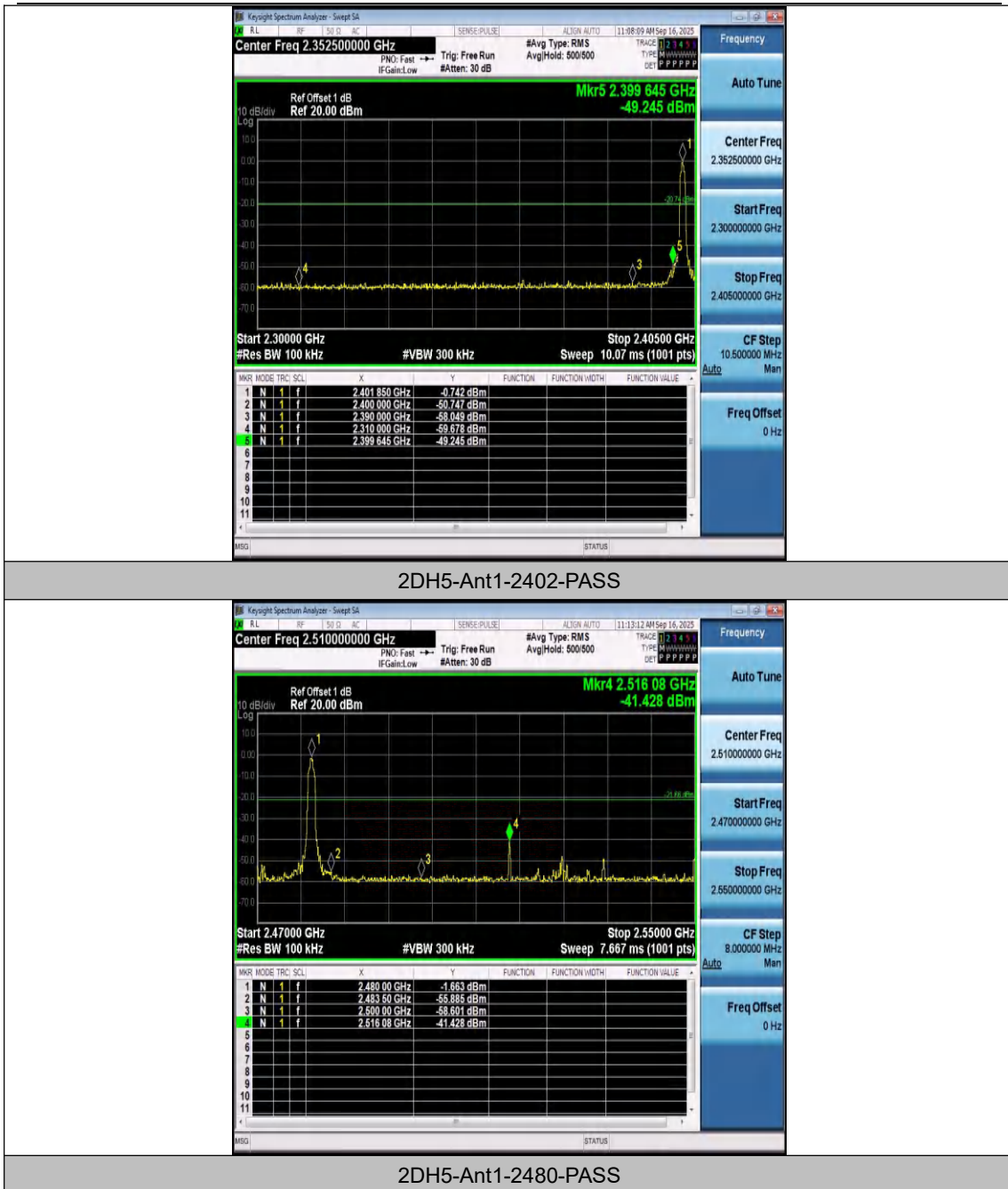


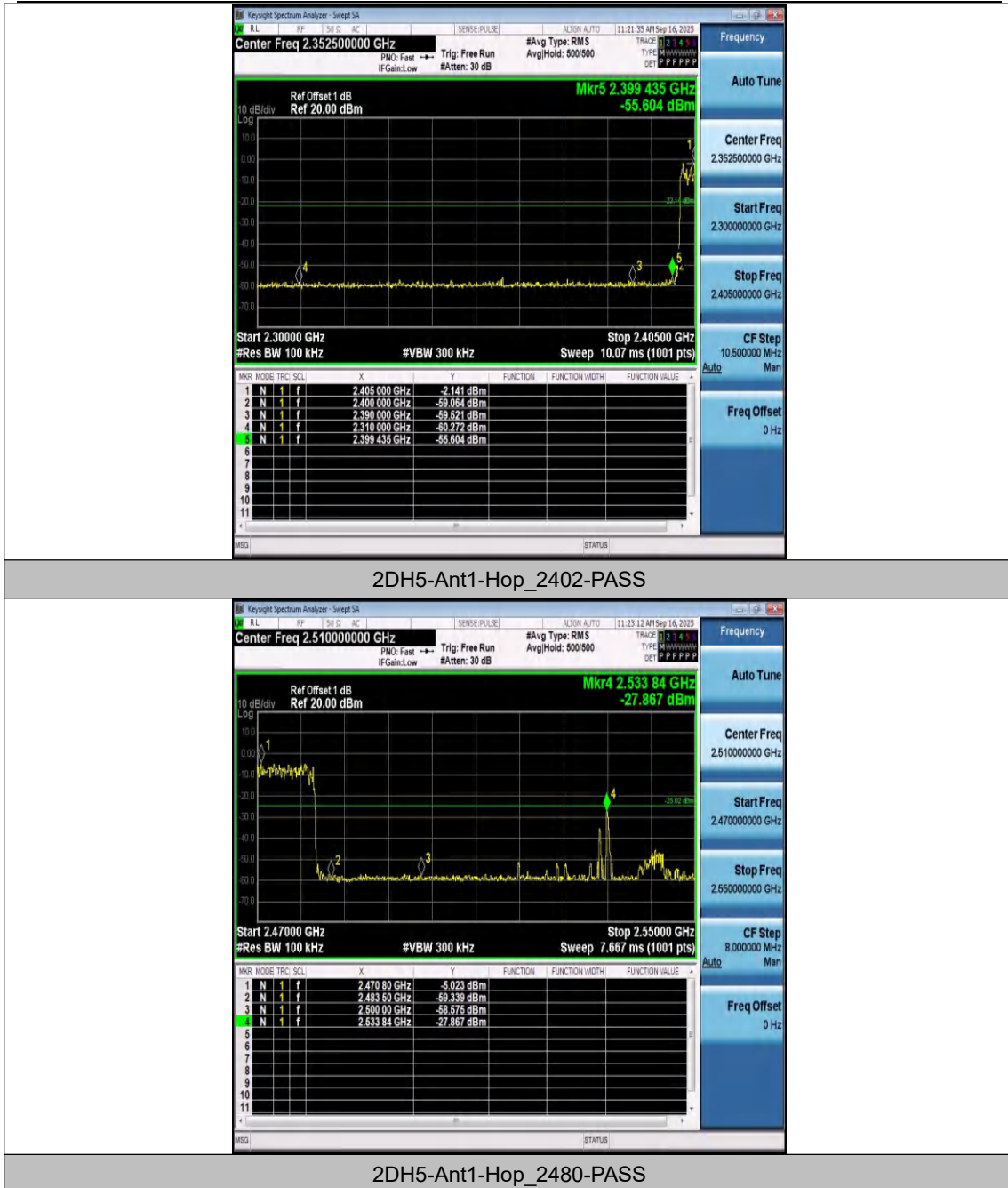
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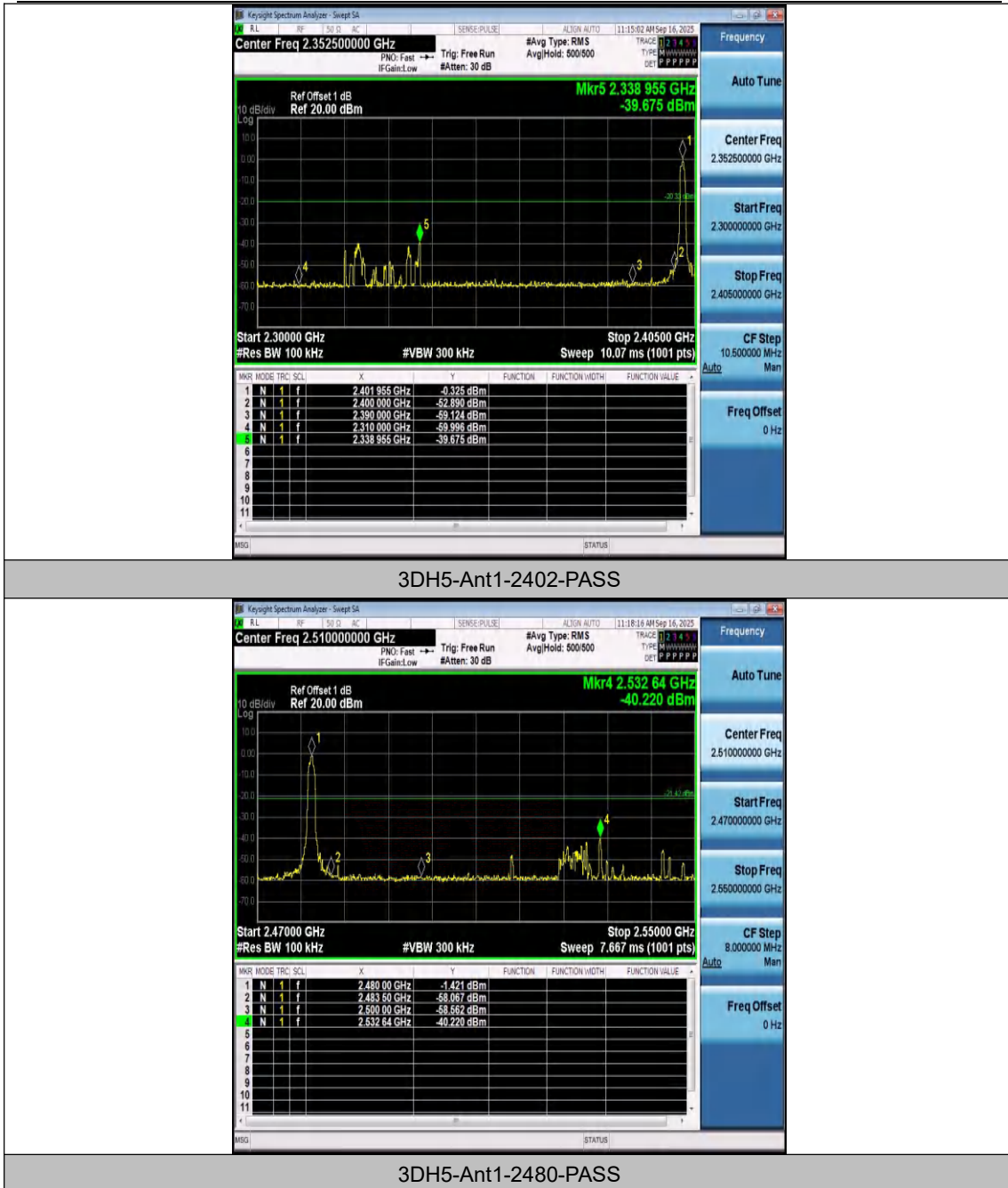
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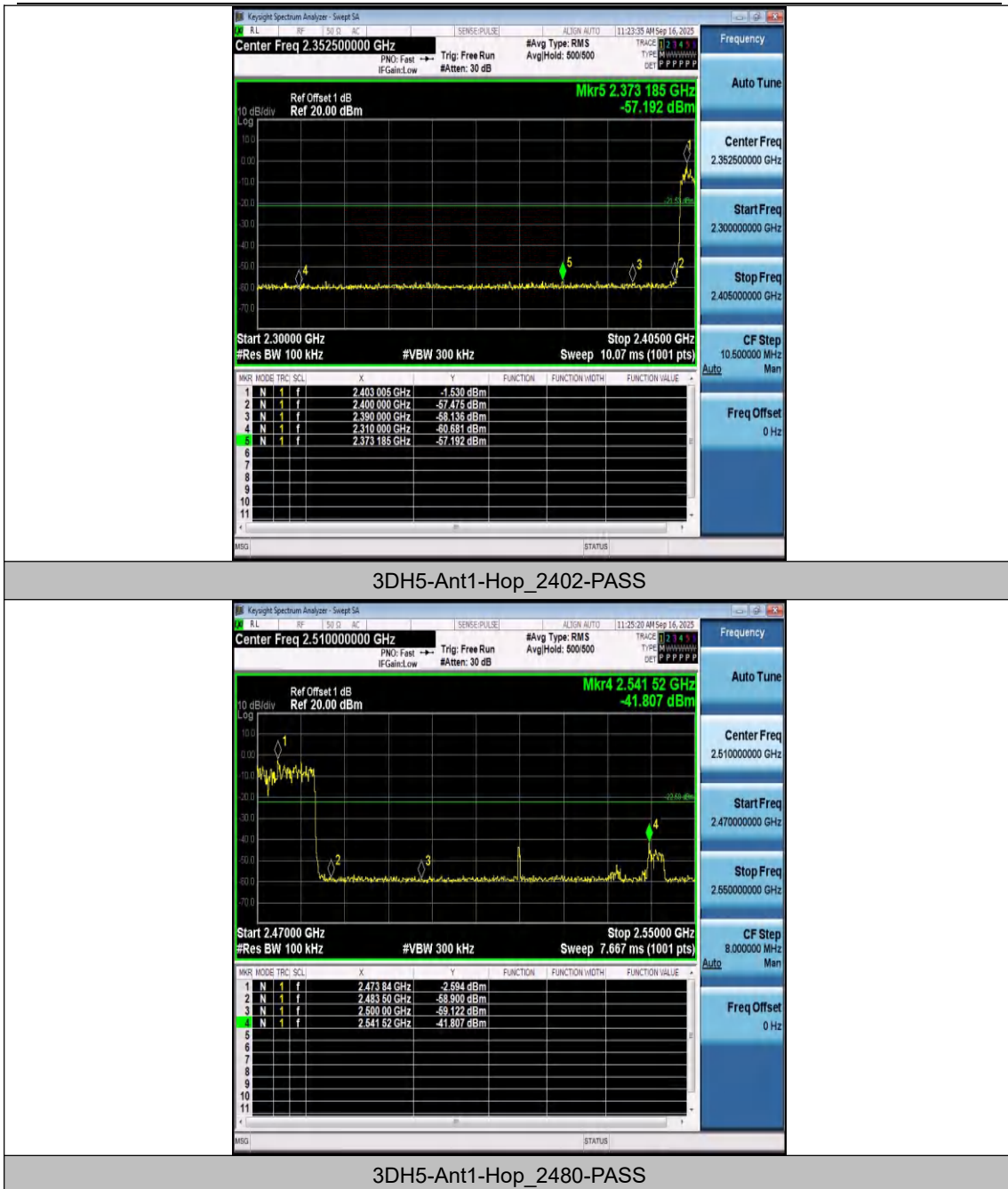
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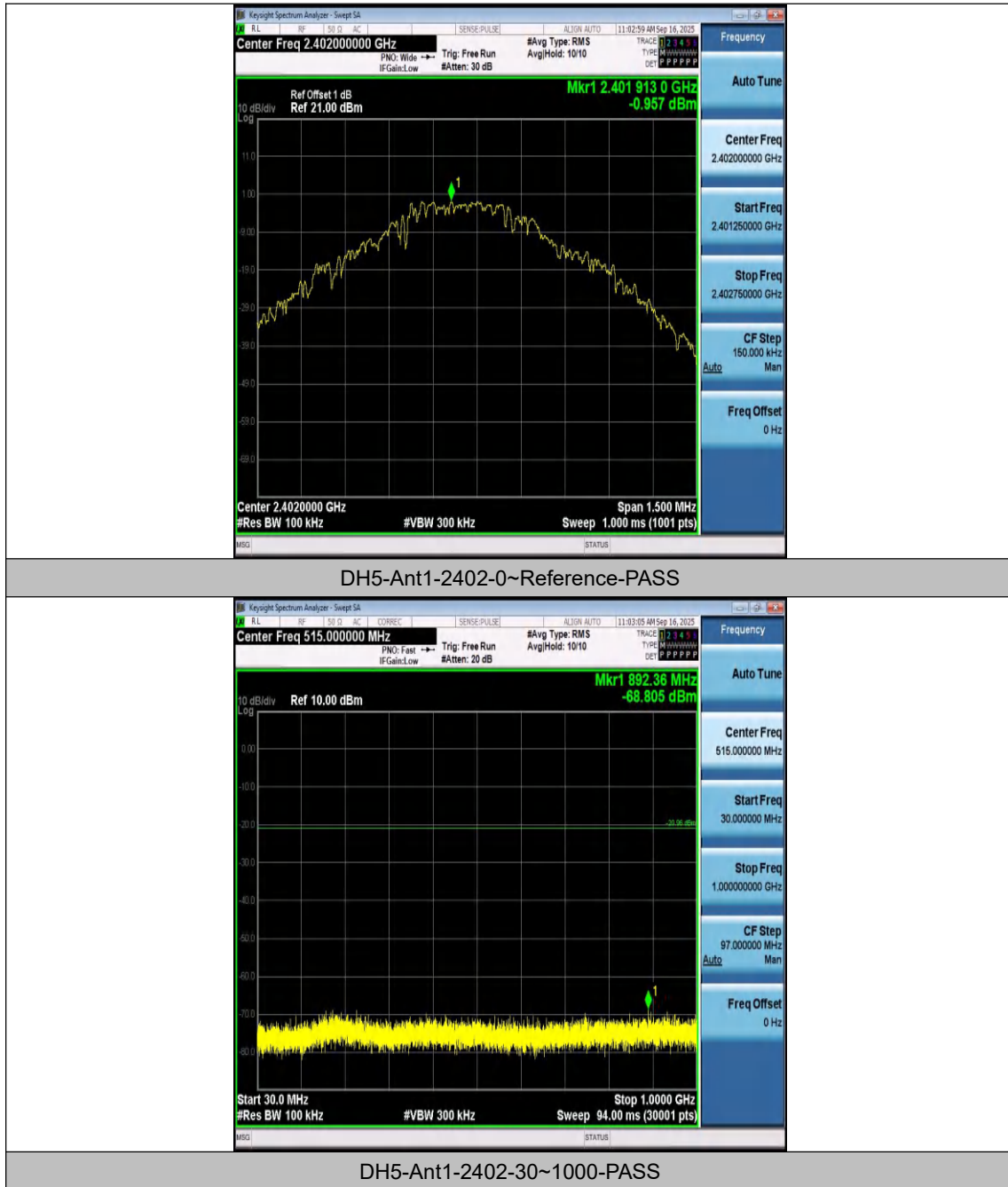
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.96	-0.96	---	PASS
DH5	Ant1	2402	30~1000	-0.96	-68.81	≤-20.96	PASS
DH5	Ant1	2402	1000~26500	-0.96	-50.79	≤-20.96	PASS
DH5	Ant1	2441	0~Reference	-1.44	-1.44	---	PASS
DH5	Ant1	2441	30~1000	-1.44	-68.64	≤-21.44	PASS
DH5	Ant1	2441	1000~26500	-1.44	-53.12	≤-21.44	PASS
DH5	Ant1	2480	0~Reference	-2.25	-2.25	---	PASS
DH5	Ant1	2480	30~1000	-2.25	-68.95	≤-22.25	PASS
DH5	Ant1	2480	1000~26500	-2.25	-45.76	≤-22.25	PASS
2DH5	Ant1	2402	0~Reference	-1.42	-1.42	---	PASS
2DH5	Ant1	2402	30~1000	-1.42	-68.77	≤-21.42	PASS
2DH5	Ant1	2402	1000~26500	-1.42	-52.74	≤-21.42	PASS
2DH5	Ant1	2441	0~Reference	-4.79	-4.79	---	PASS
2DH5	Ant1	2441	30~1000	-4.79	-68.95	≤-24.79	PASS
2DH5	Ant1	2441	1000~26500	-4.79	-53.89	≤-24.79	PASS
2DH5	Ant1	2480	0~Reference	-4.92	-4.92	---	PASS
2DH5	Ant1	2480	30~1000	-4.92	-68.92	≤-24.92	PASS
2DH5	Ant1	2480	1000~26500	-4.92	-53.75	≤-24.92	PASS
3DH5	Ant1	2402	0~Reference	-3.71	-3.71	---	PASS
3DH5	Ant1	2402	30~1000	-3.71	-68.51	≤-23.71	PASS
3DH5	Ant1	2402	1000~26500	-3.71	-53.85	≤-23.71	PASS
3DH5	Ant1	2441	0~Reference	-4.44	-4.44	---	PASS
3DH5	Ant1	2441	30~1000	-4.44	-68.45	≤-24.44	PASS
3DH5	Ant1	2441	1000~26500	-4.44	-53.89	≤-24.44	PASS
3DH5	Ant1	2480	0~Reference	-1.74	-1.74	---	PASS
3DH5	Ant1	2480	30~1000	-1.74	-68.85	≤-21.74	PASS
3DH5	Ant1	2480	1000~26500	-1.74	-49.97	≤-21.74	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.

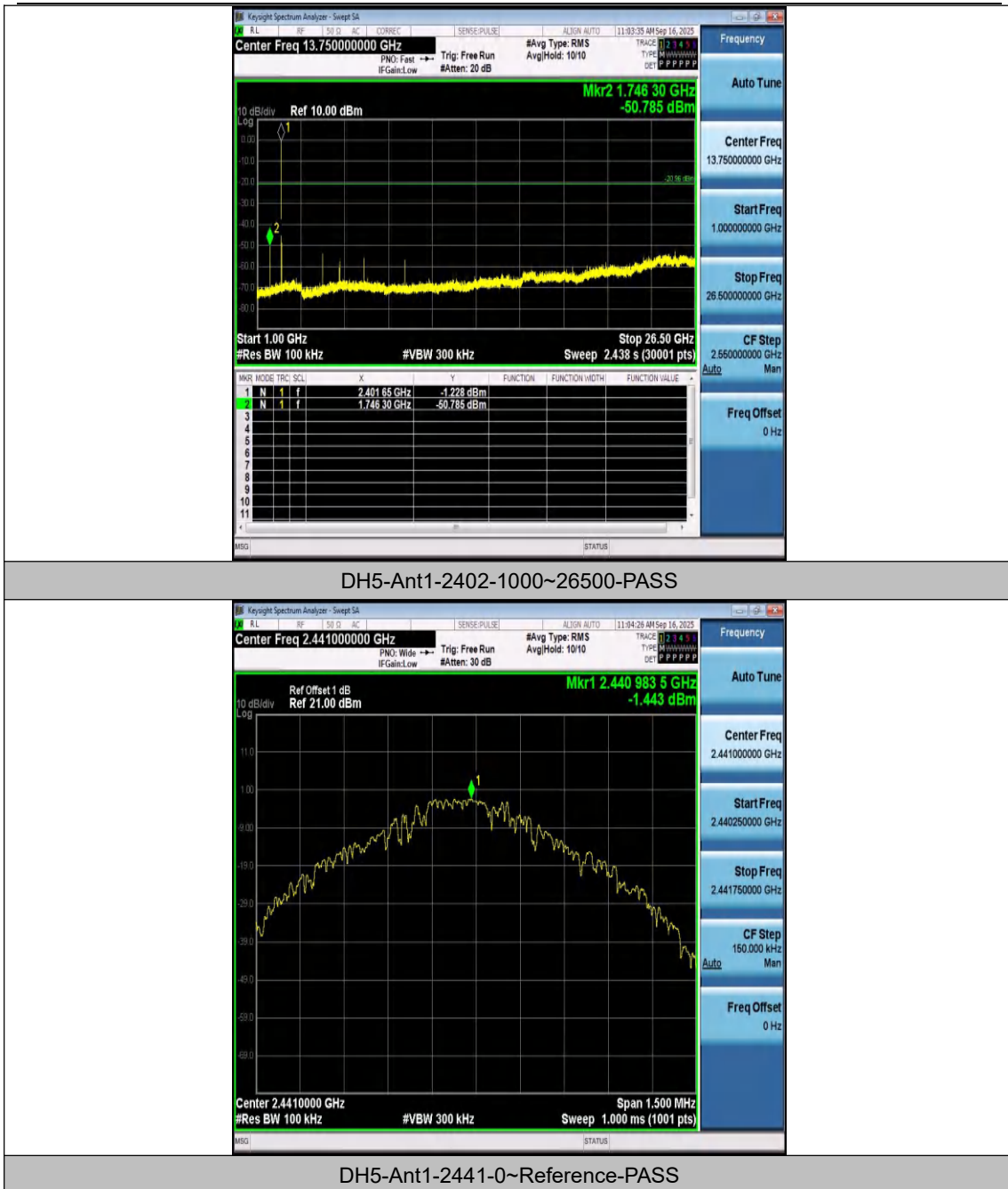
Test Graphs



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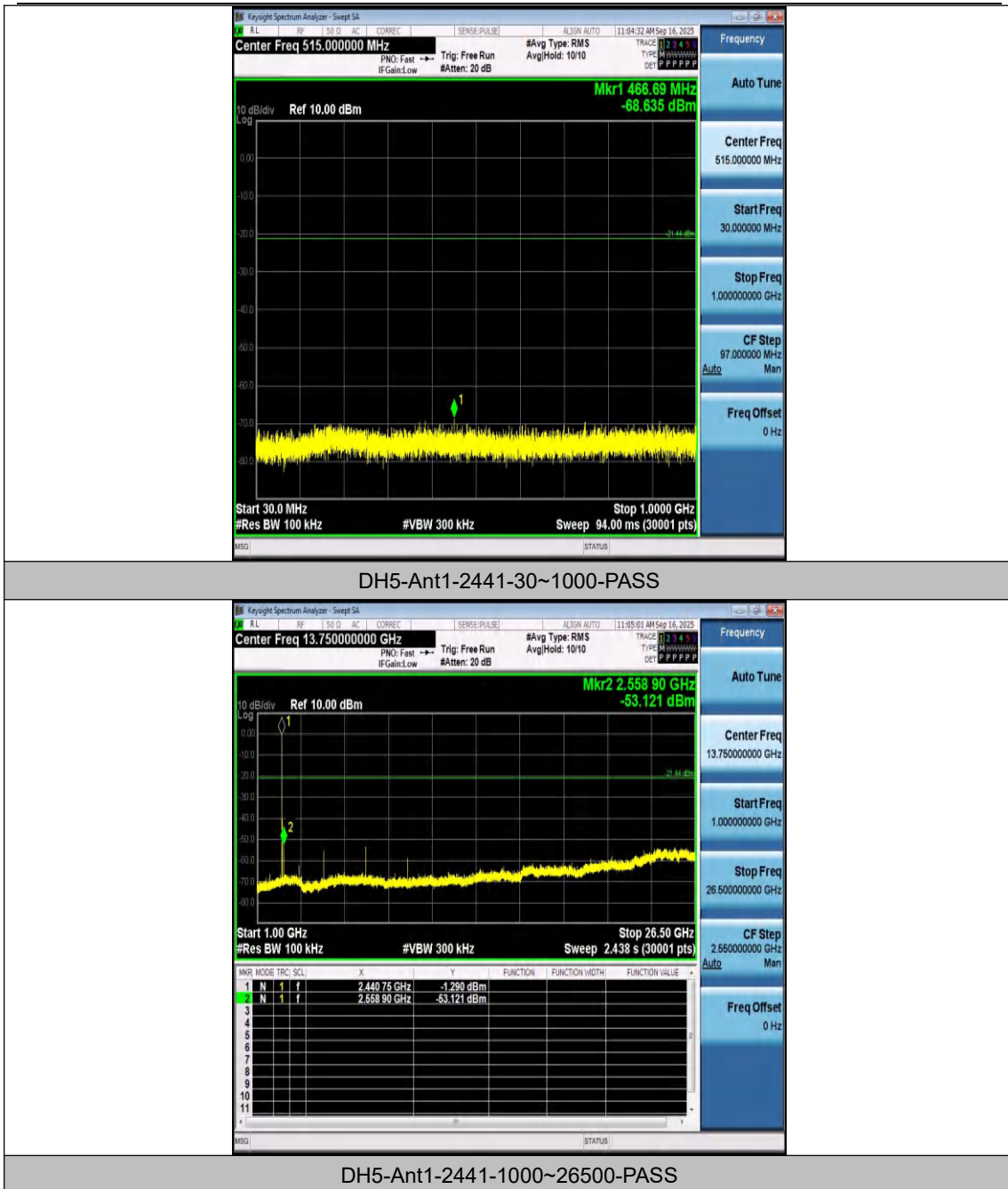
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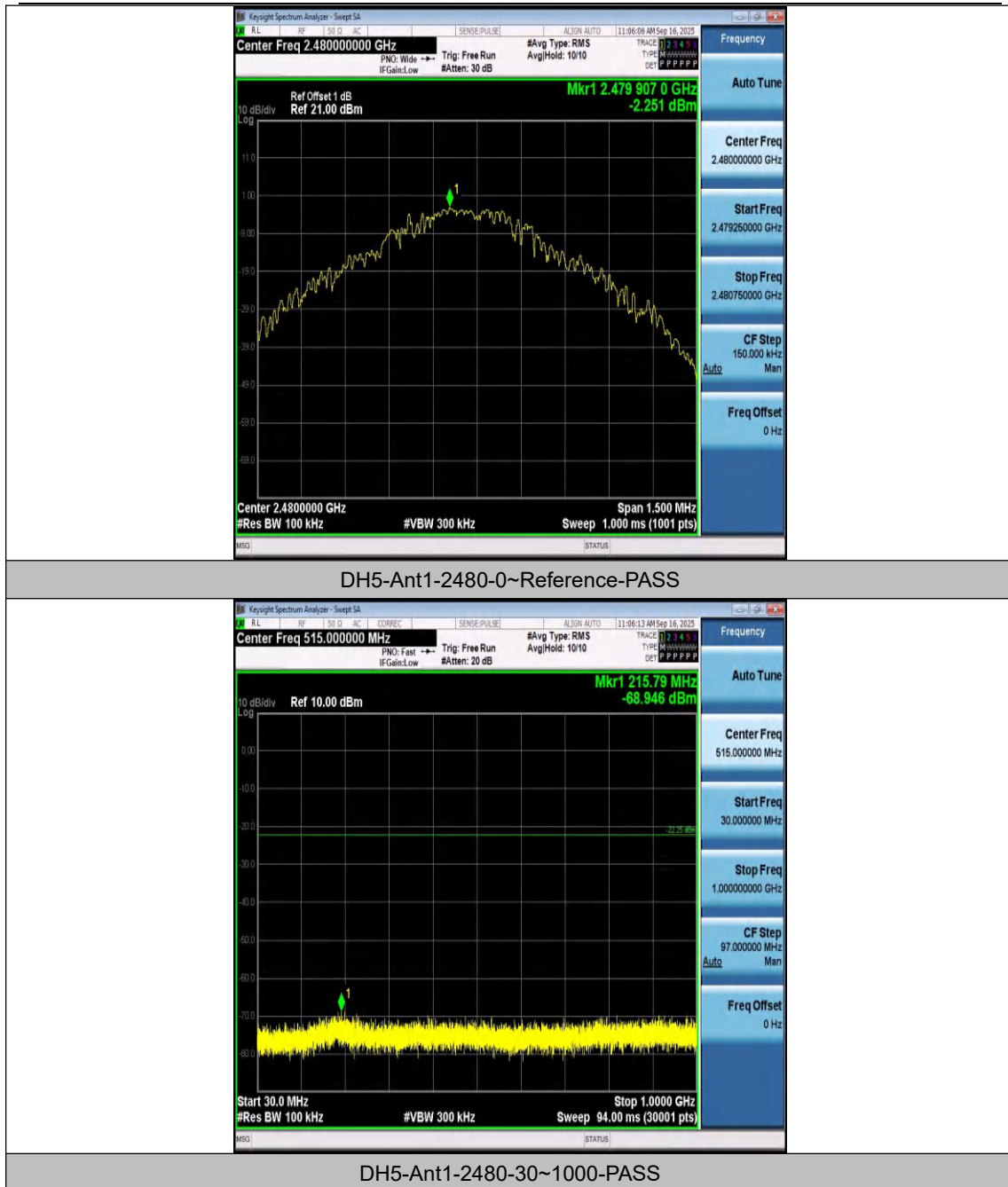
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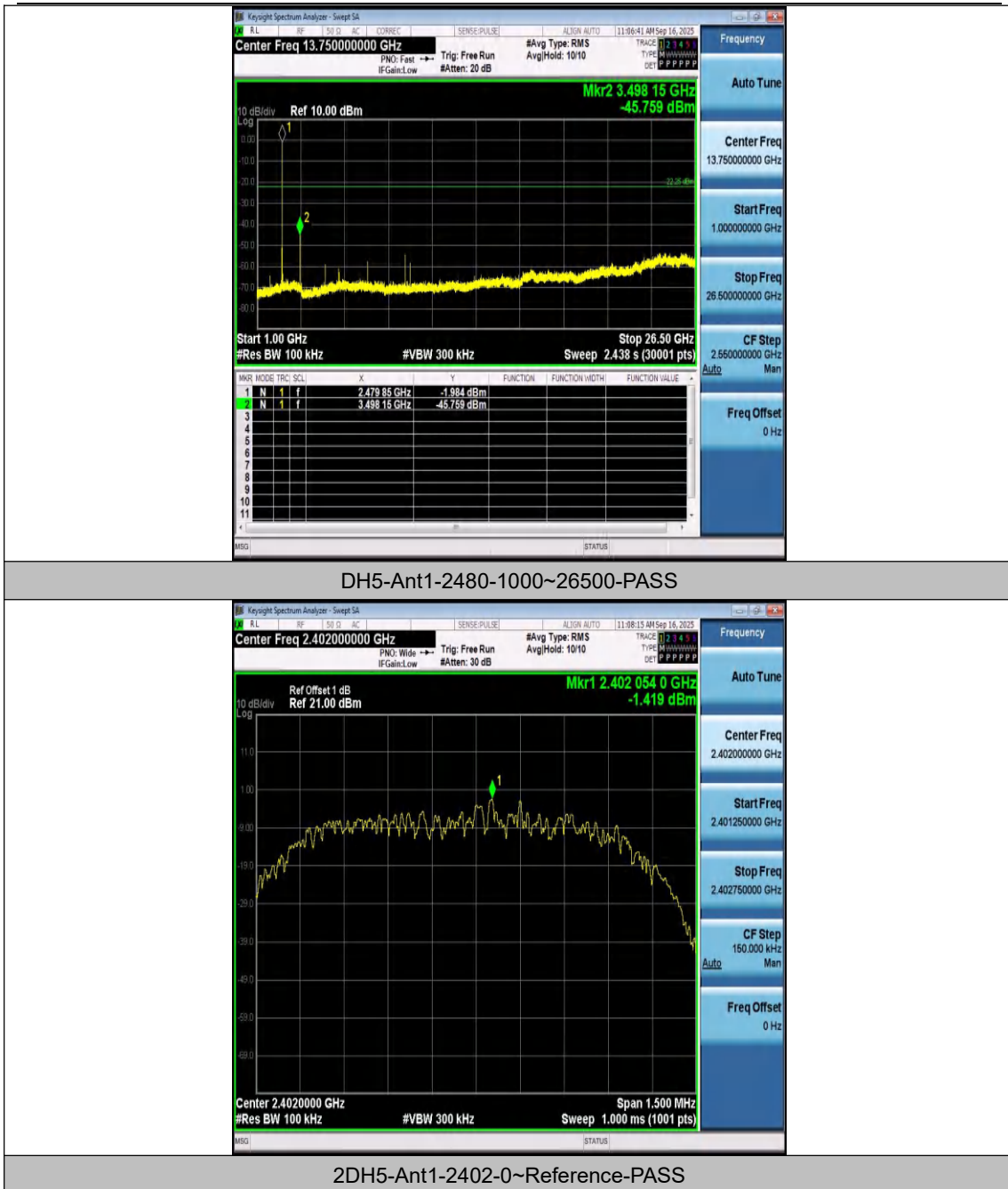
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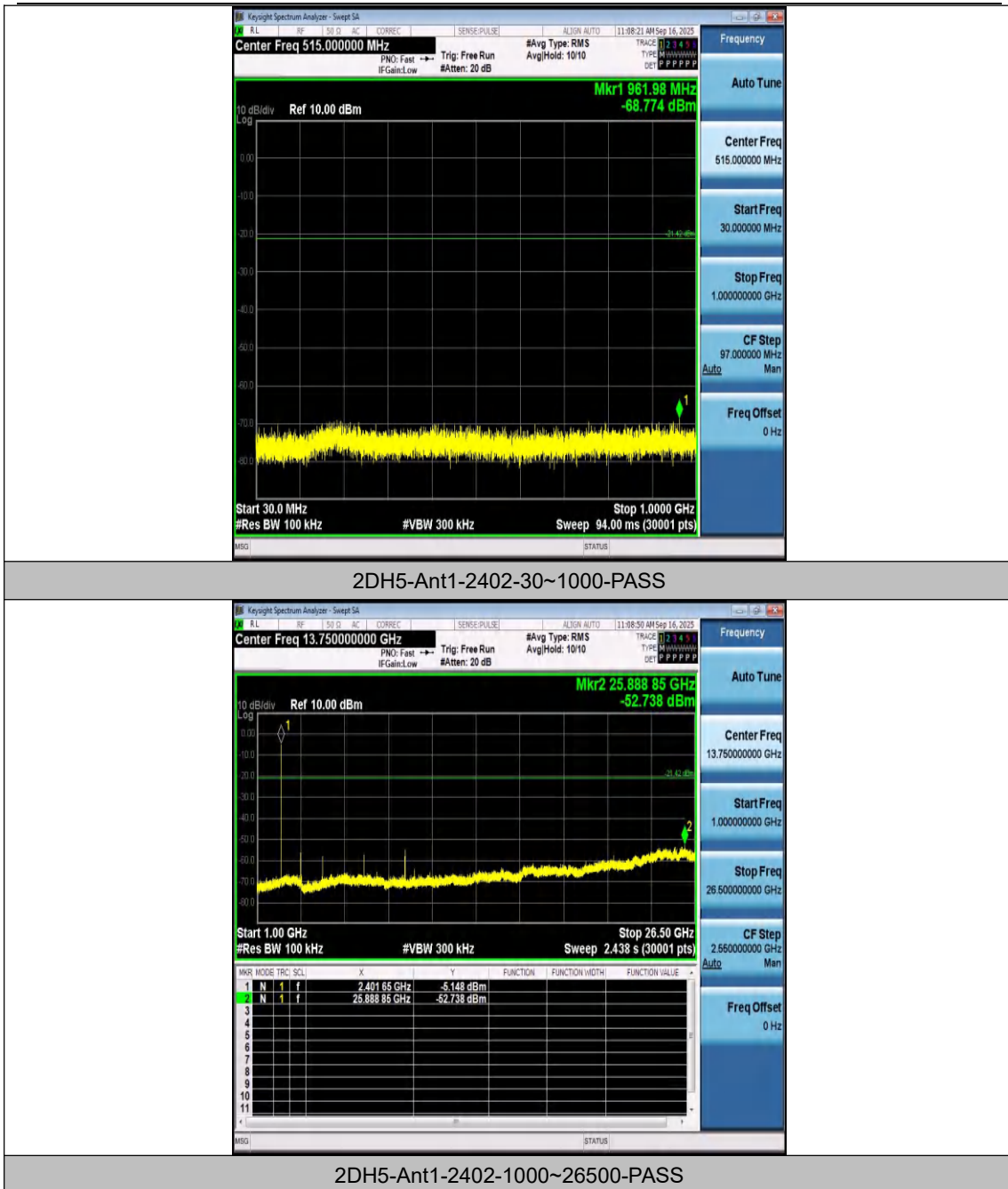
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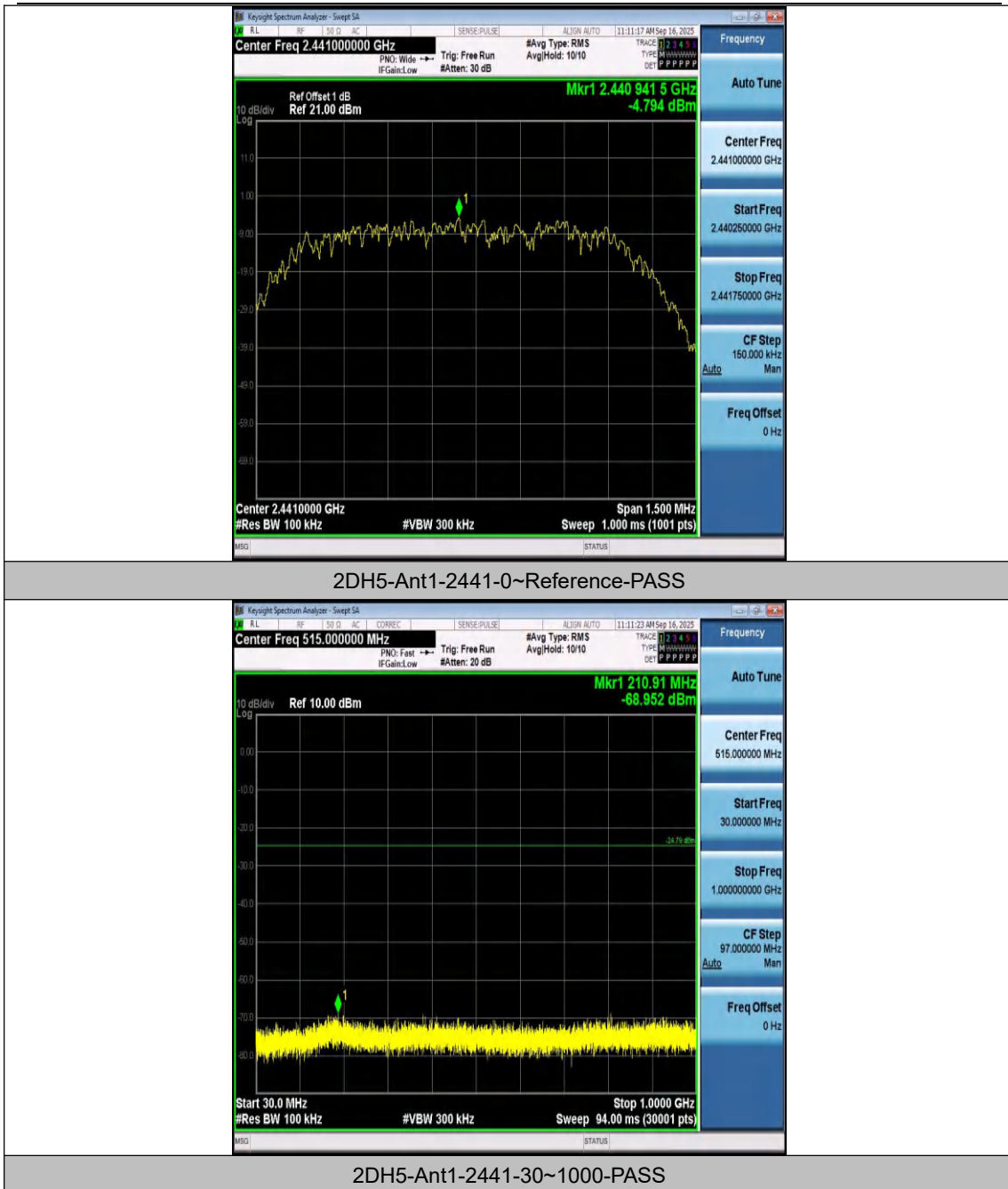
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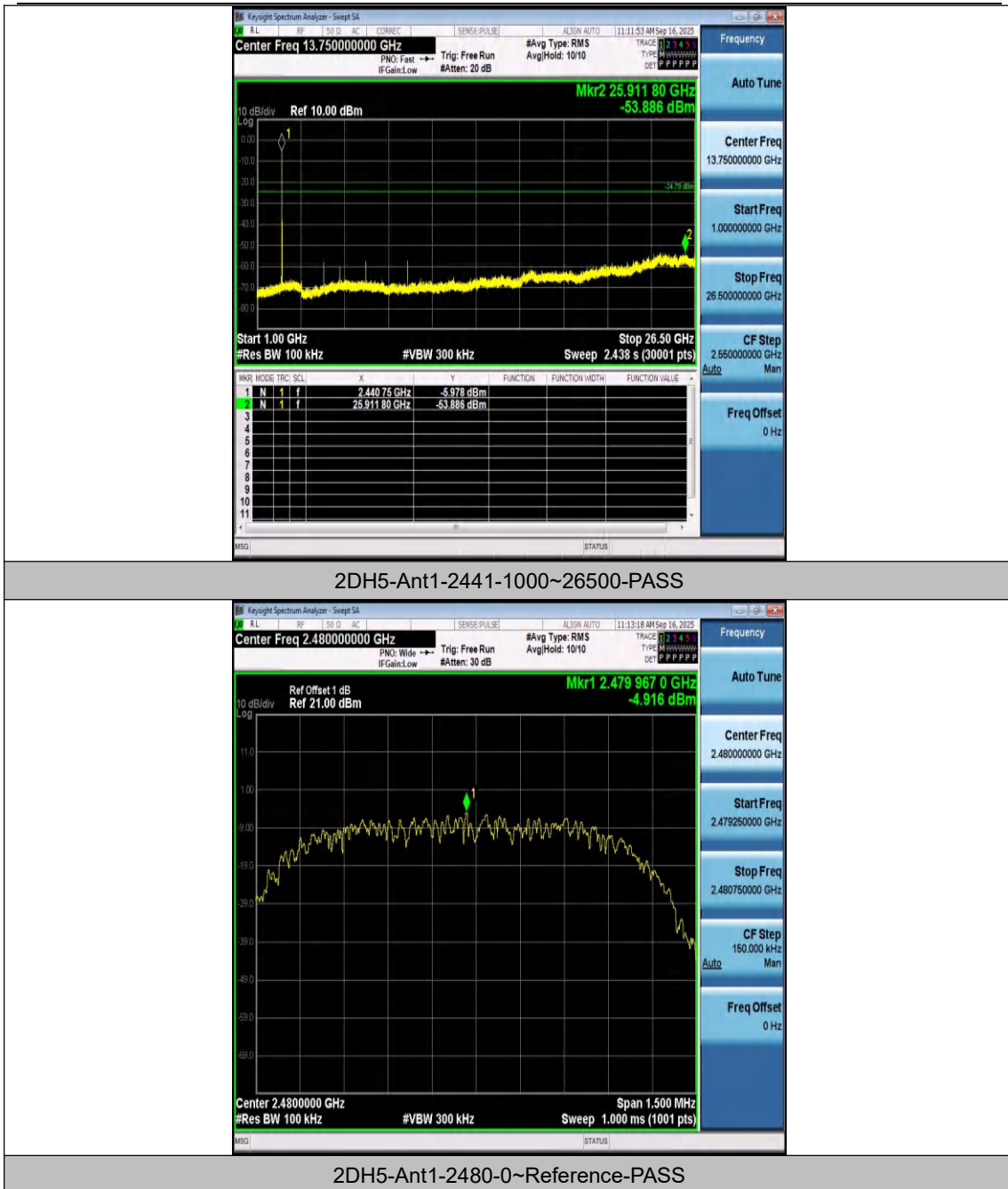
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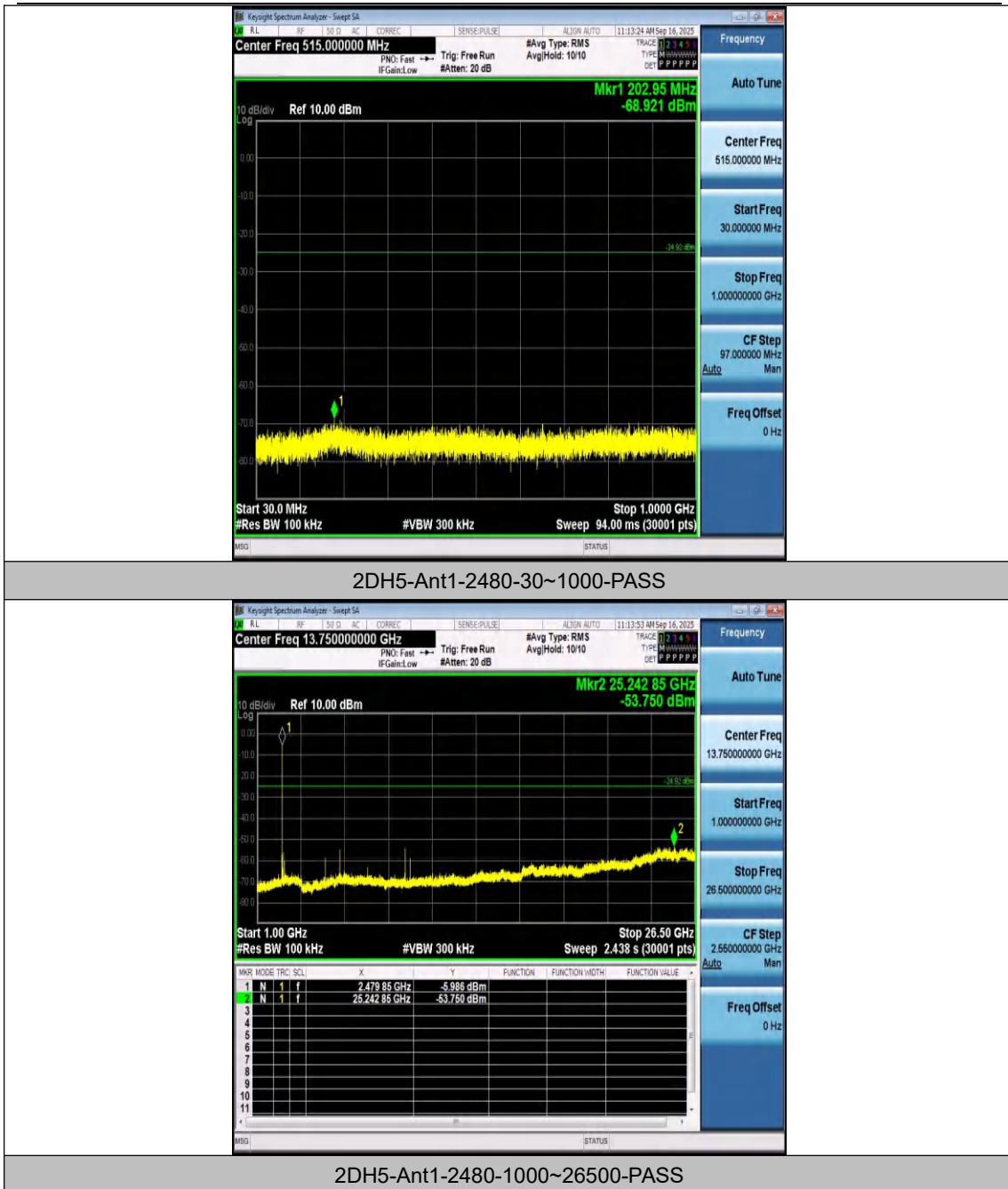
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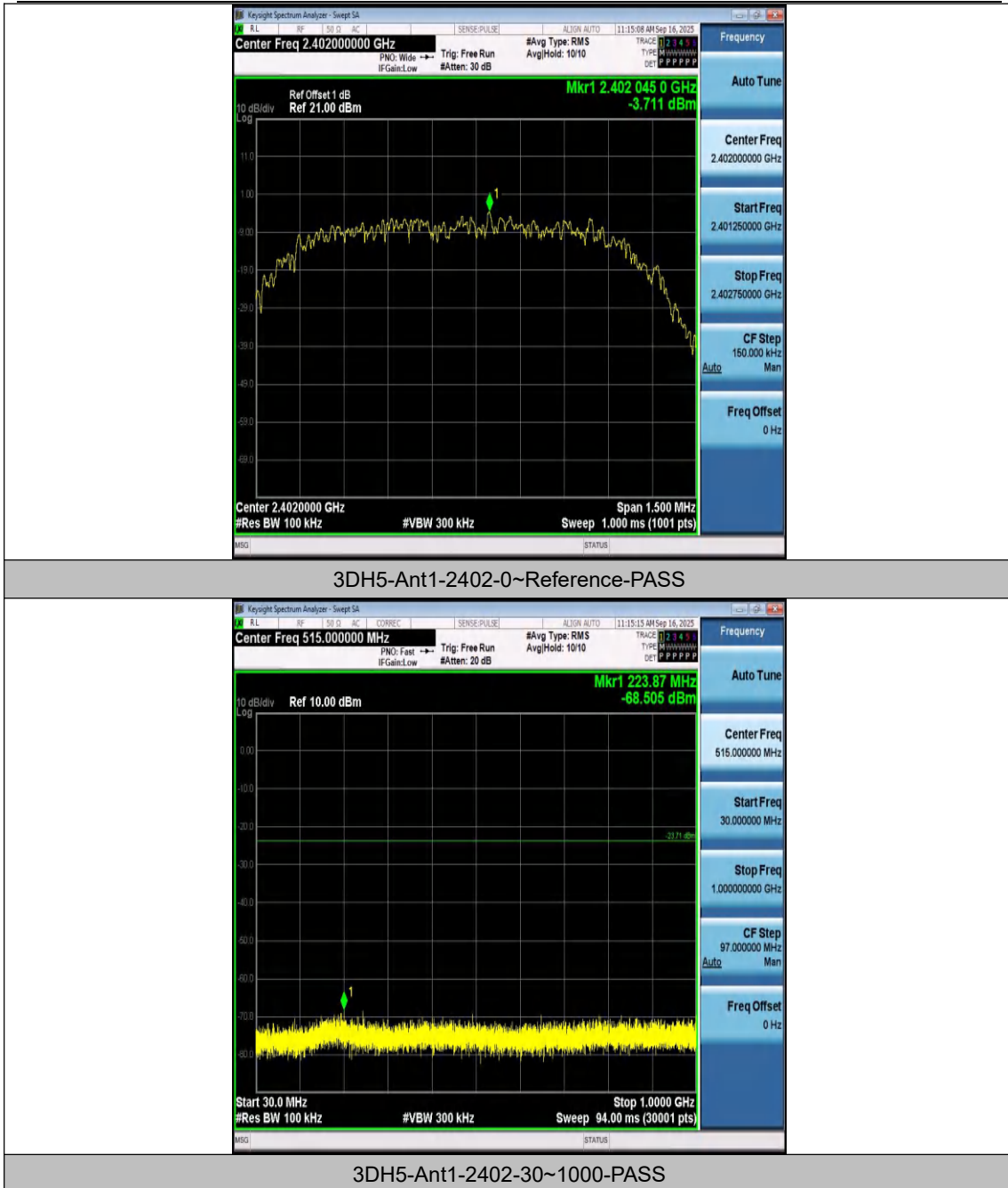
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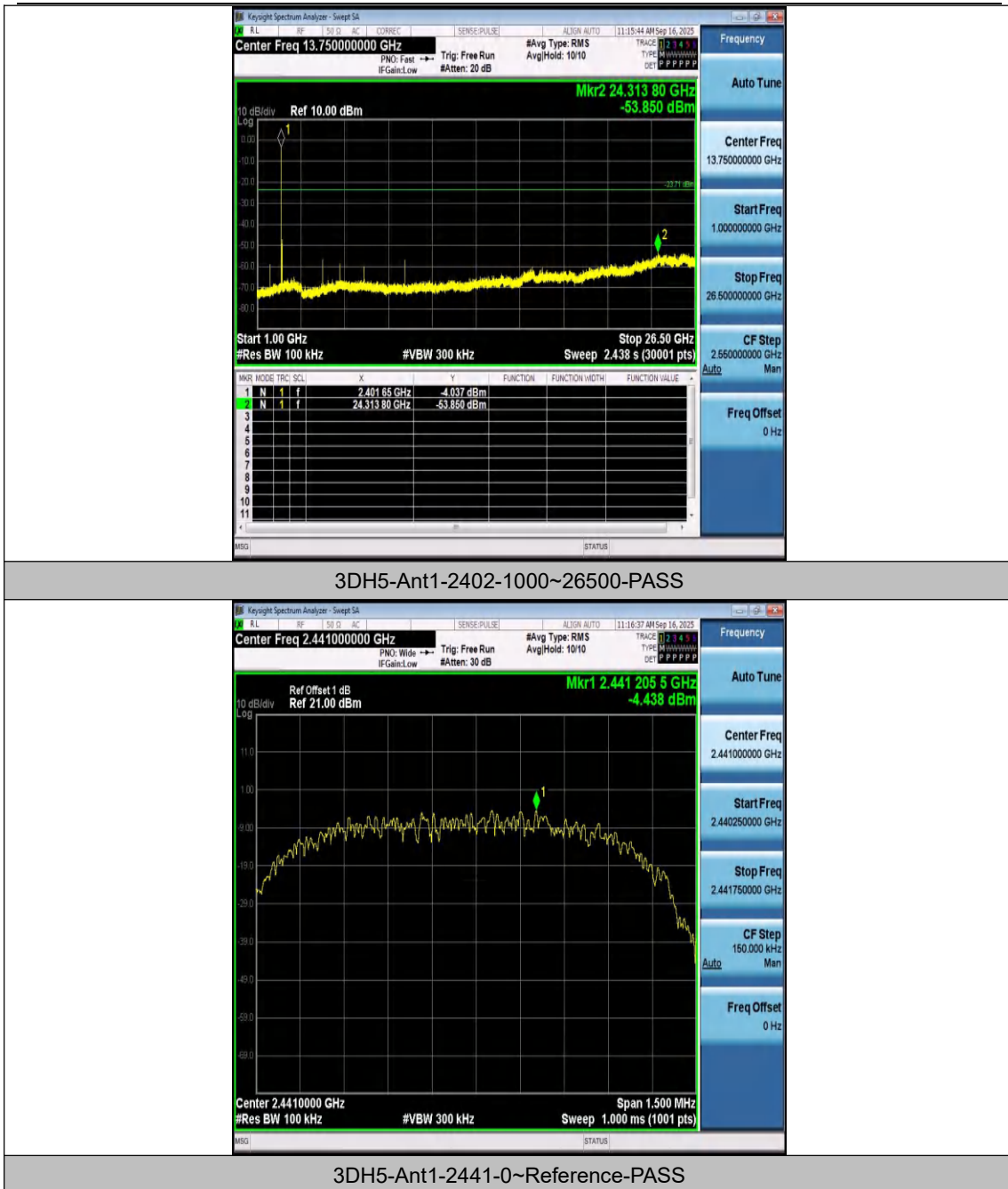
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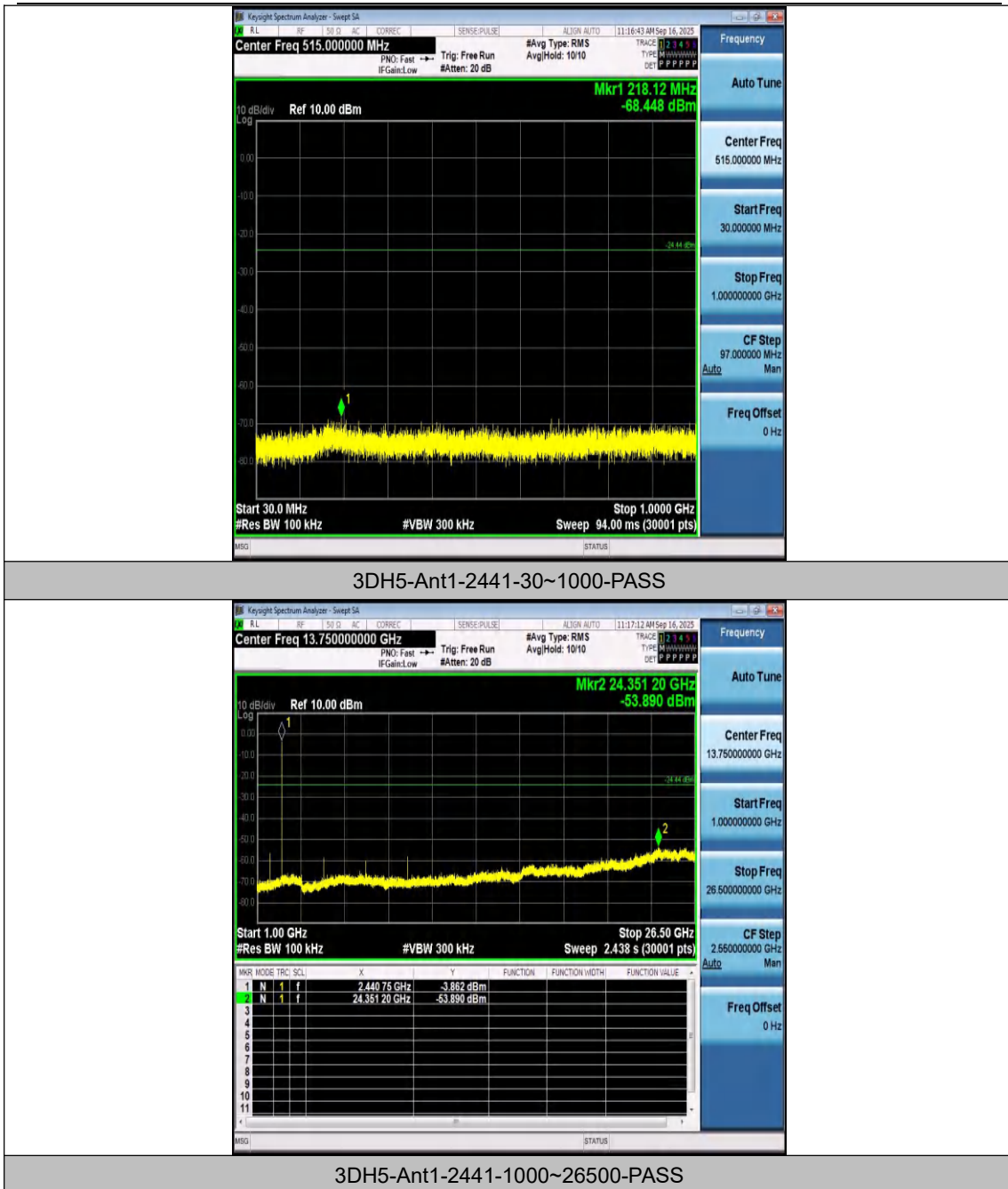
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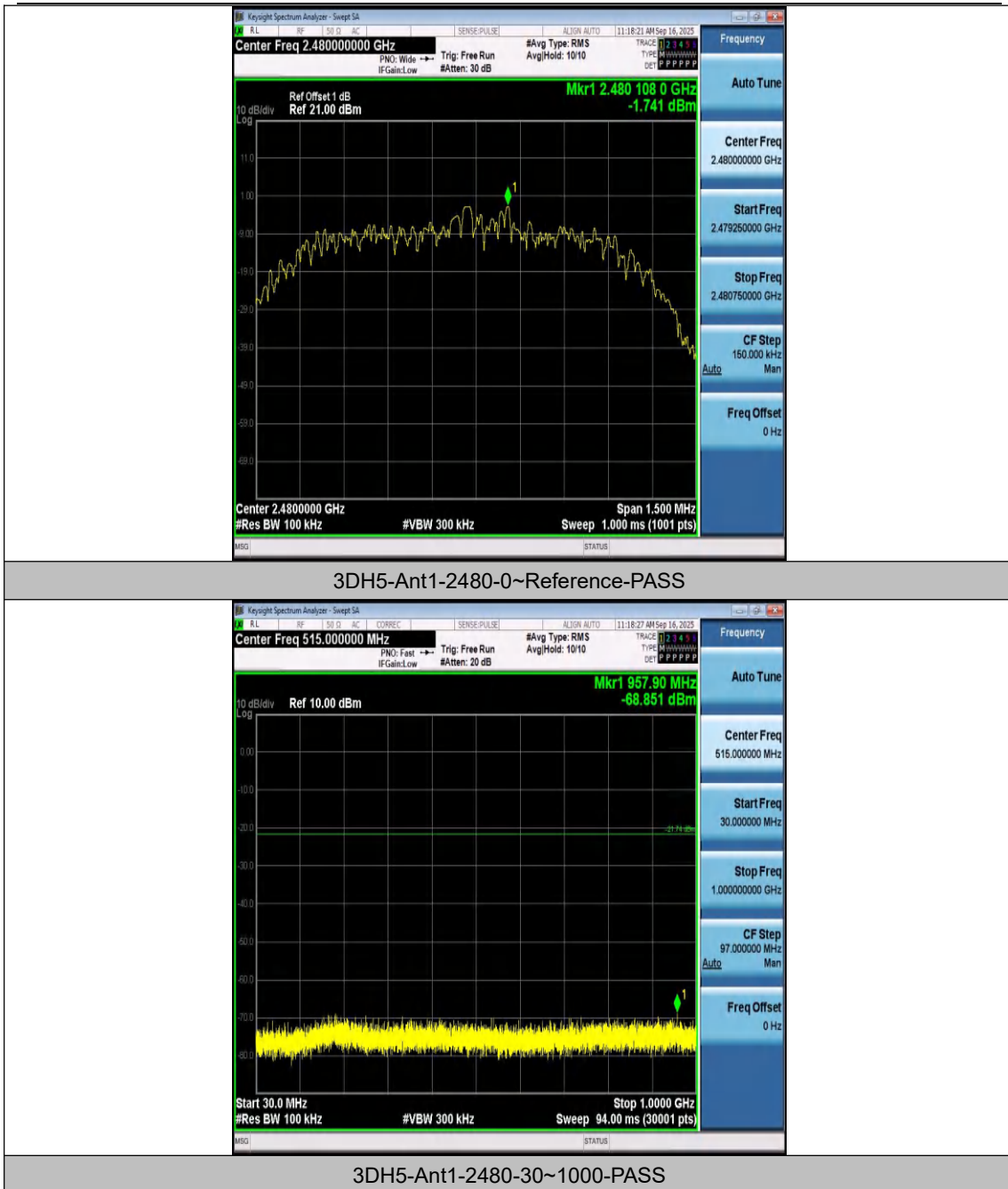
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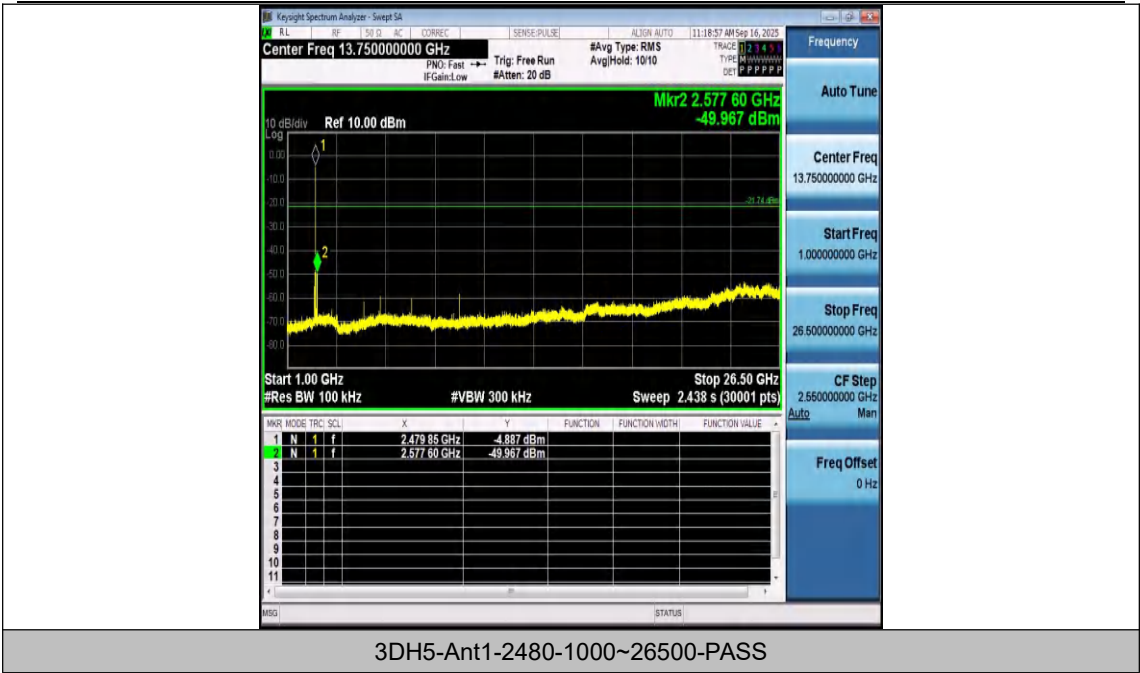
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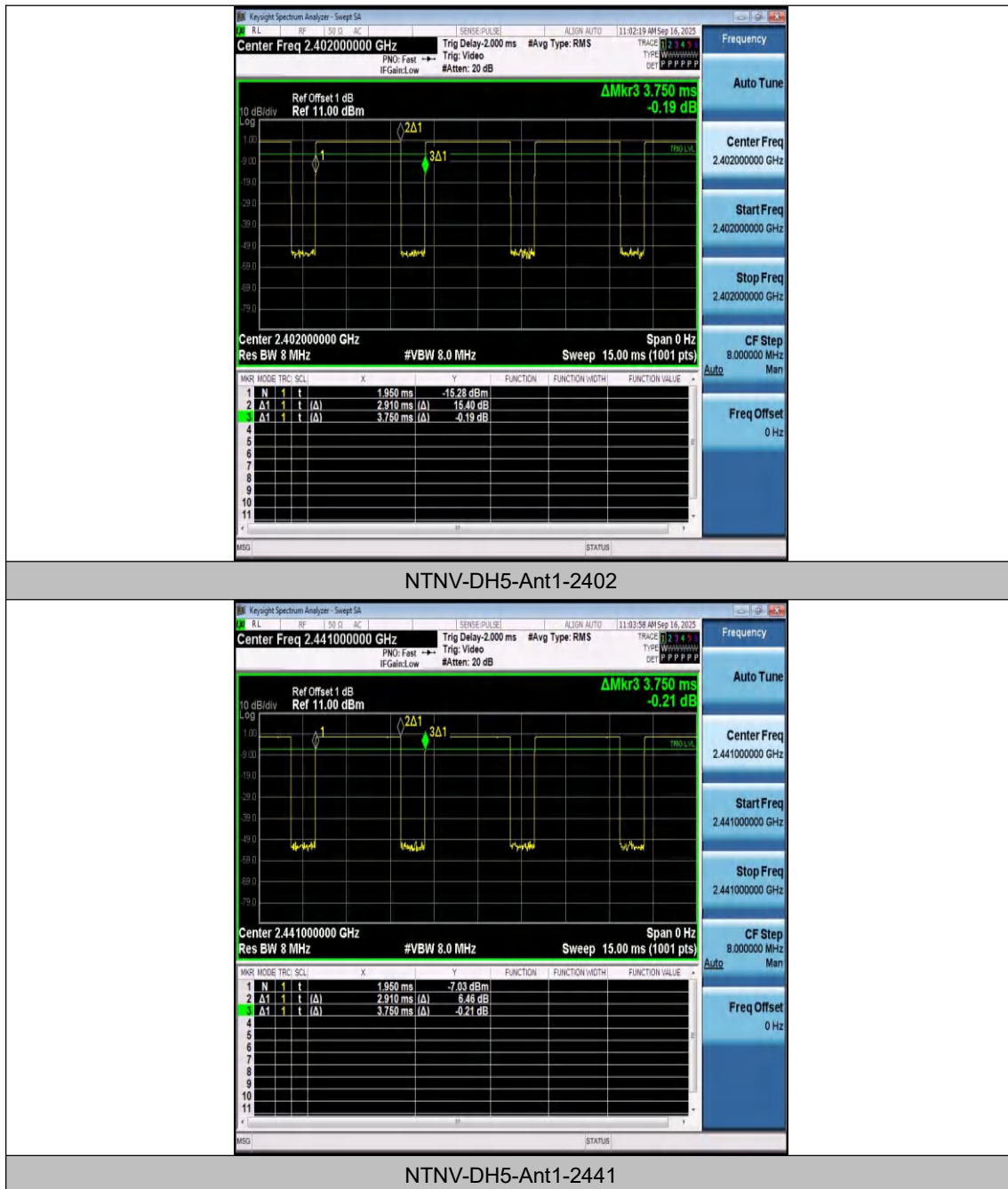
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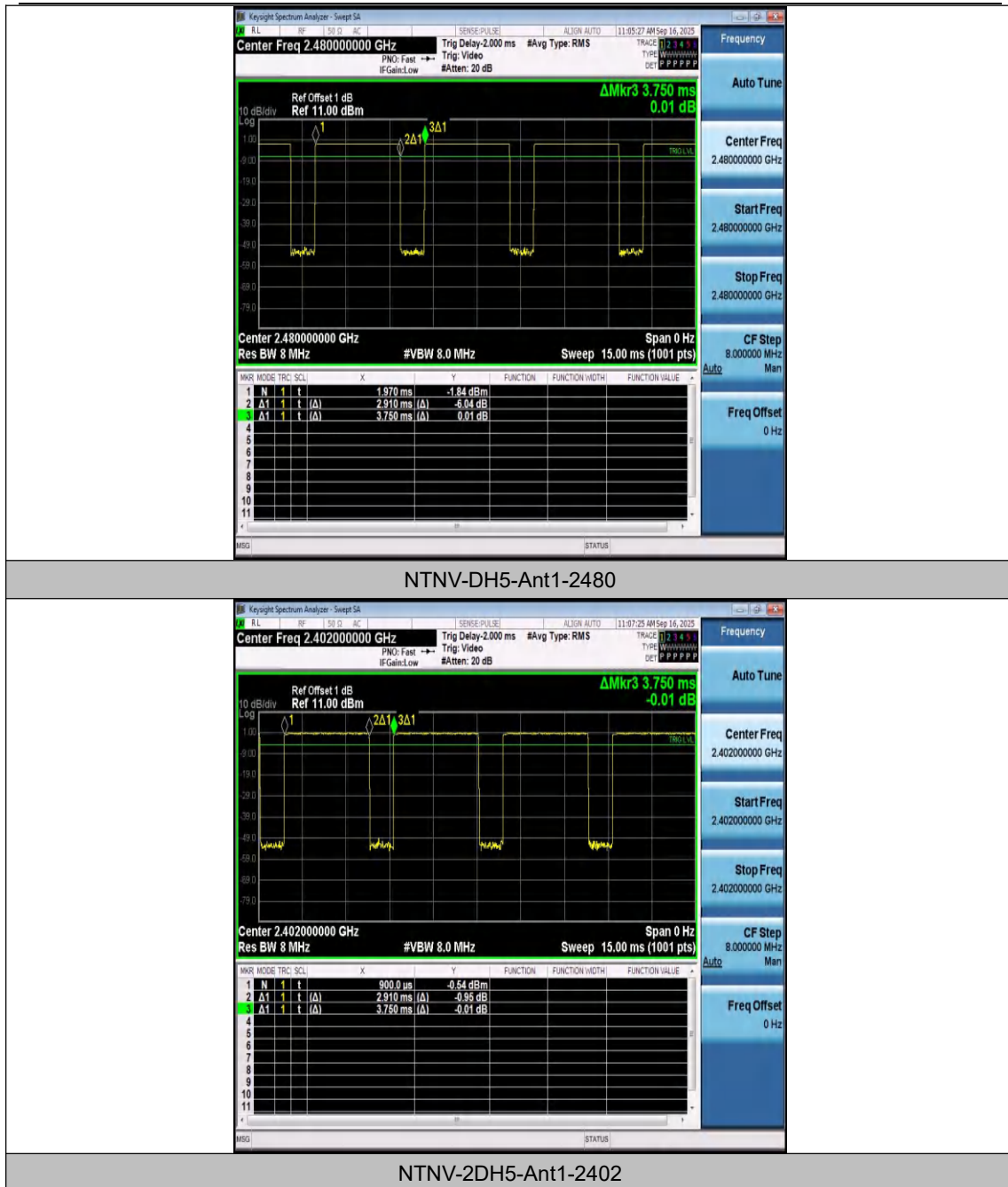
Appendix I: Duty Cycle

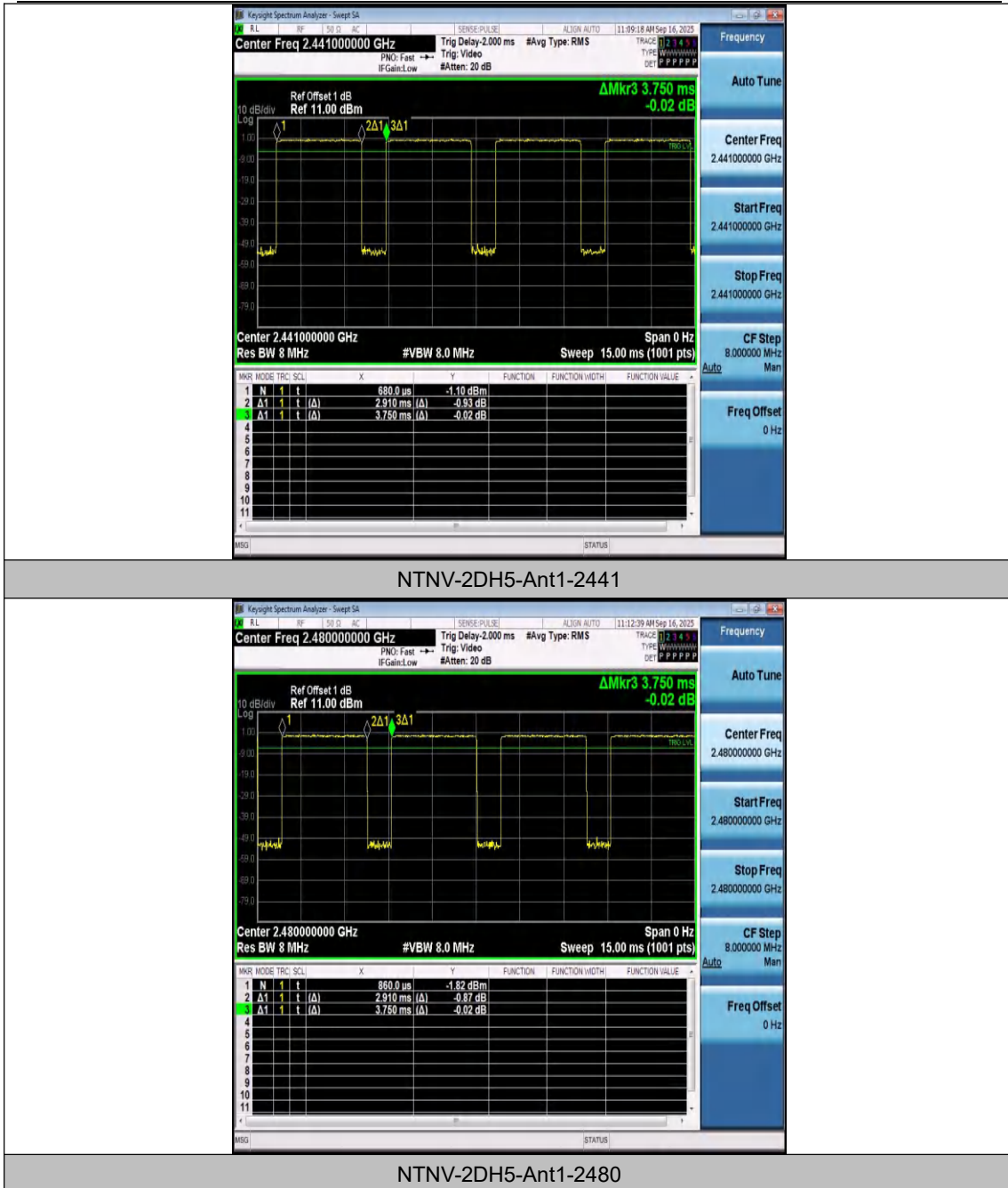
Test Result

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	2.91	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	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

Test Graphs



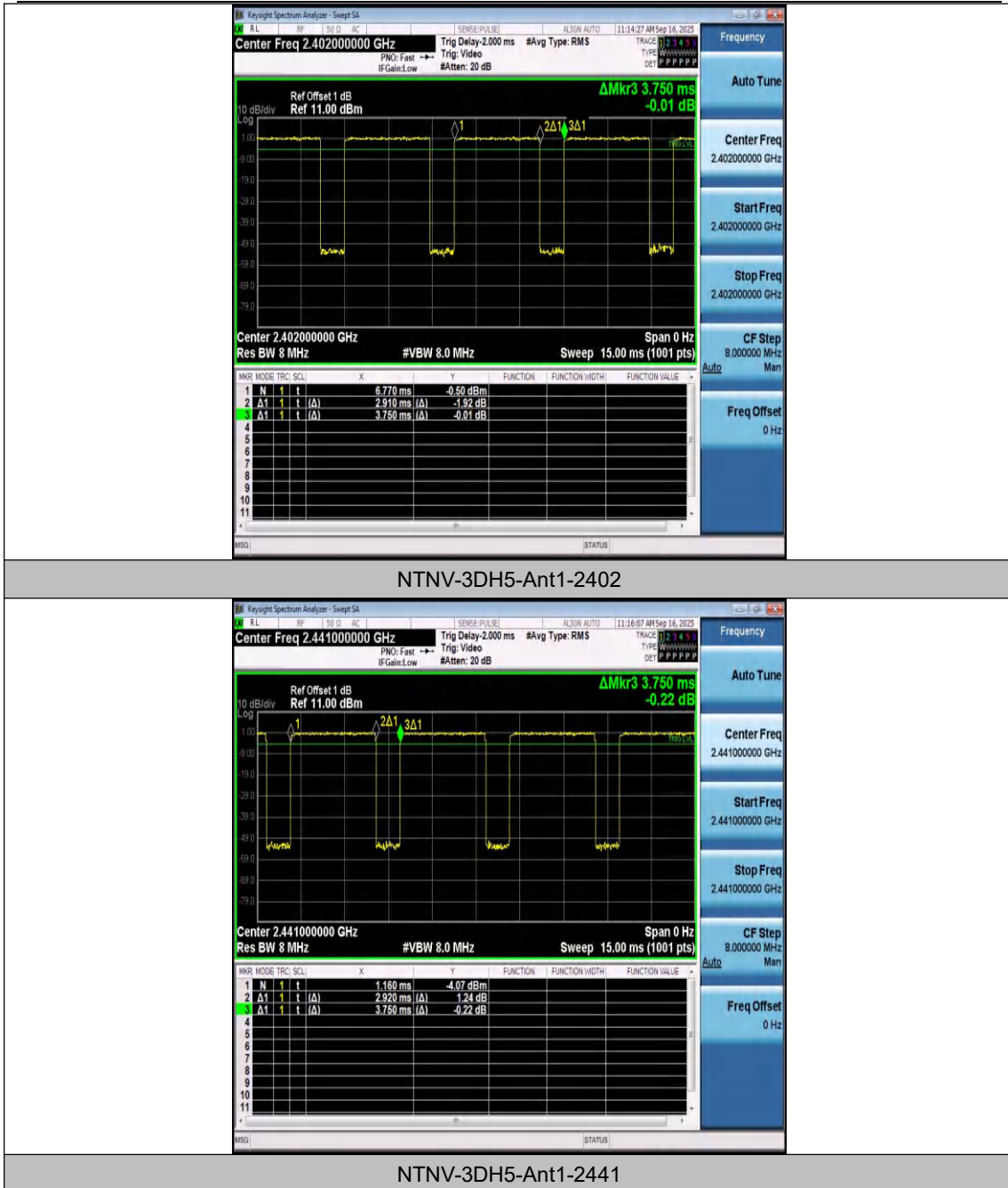


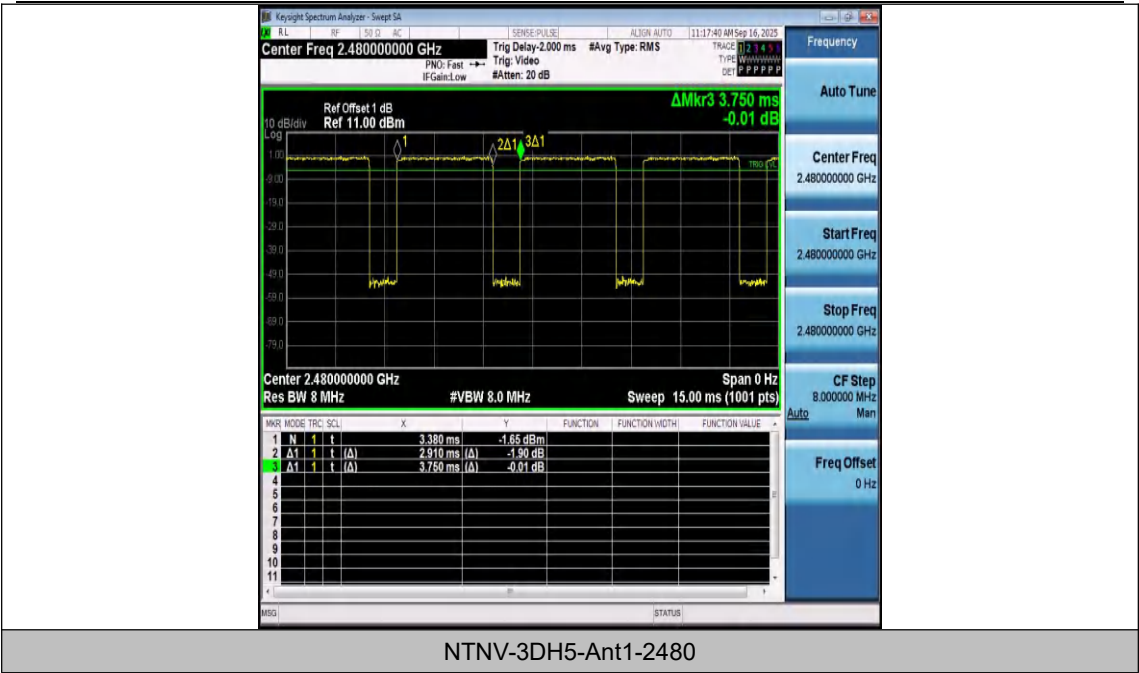


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NTNV-3DH5-Ant1-2480

---End---