

Appendix Test Data

Report No.:	1812C50404112501	Test Sample No.:	1-2-2
Start Test Date:	2025-08-18	Finish Test Date:	2025-08-18
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	26.3°C	Relative Humidity:	55%
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	0.909	2401.508	2402.417	---	---
DH5	Ant1	2441	0.915	2440.514	2441.429	---	---
DH5	Ant1	2480	0.957	2479.496	2480.453	---	---
2DH5	Ant1	2402	1.317	2401.304	2402.621	---	---
2DH5	Ant1	2441	1.317	2440.304	2441.621	---	---
2DH5	Ant1	2480	1.320	2479.304	2480.624	---	---
3DH5	Ant1	2402	1.275	2401.316	2402.591	---	---
3DH5	Ant1	2441	1.278	2440.310	2441.588	---	---
3DH5	Ant1	2480	1.311	2479.310	2480.621	---	---

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	0.82774	2401.5473	2402.3750	---	---
DH5	Ant1	2441	0.87078	2440.5173	2441.3881	---	---
DH5	Ant1	2480	0.88317	2479.5165	2480.3997	---	---
2DH5	Ant1	2402	1.1914	2401.3692	2402.5606	---	---
2DH5	Ant1	2441	1.2136	2440.3684	2441.5820	---	---
2DH5	Ant1	2480	1.2393	2479.3471	2480.5864	---	---
3DH5	Ant1	2402	1.2101	2401.3480	2402.5581	---	---
3DH5	Ant1	2441	1.2137	2440.3504	2441.5641	---	---
3DH5	Ant1	2480	1.2251	2479.3410	2480.5661	---	---

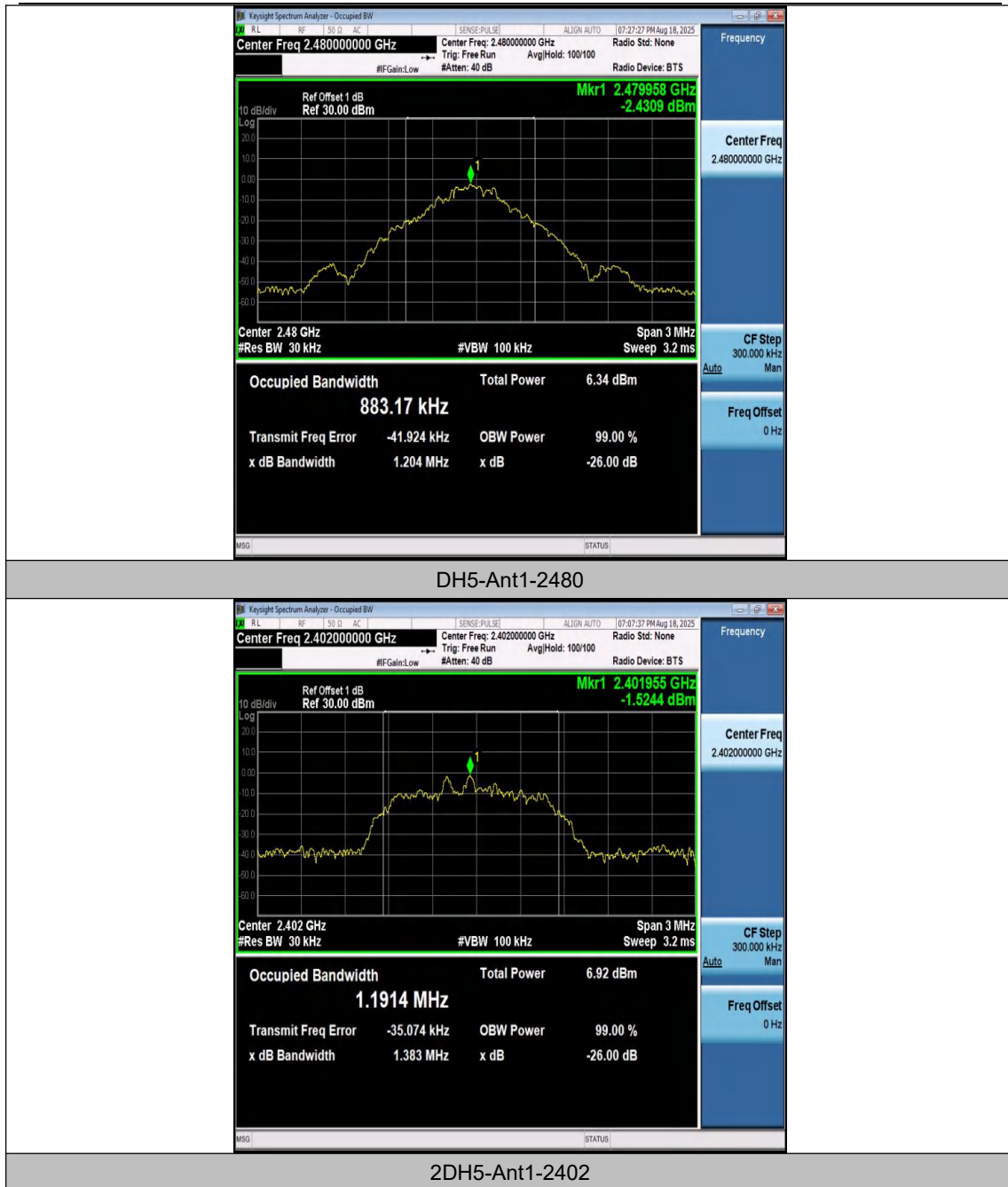
Test Graphs



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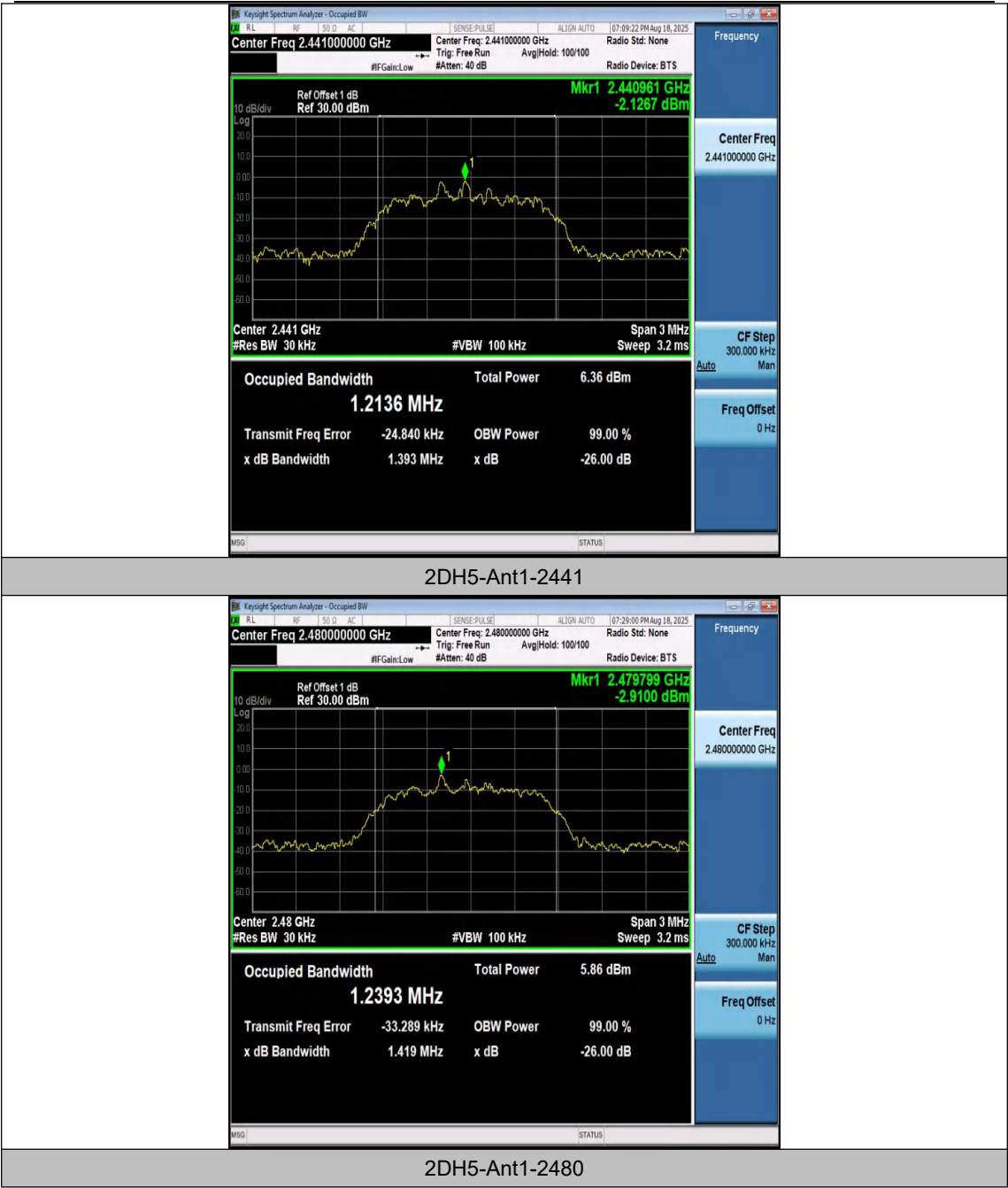
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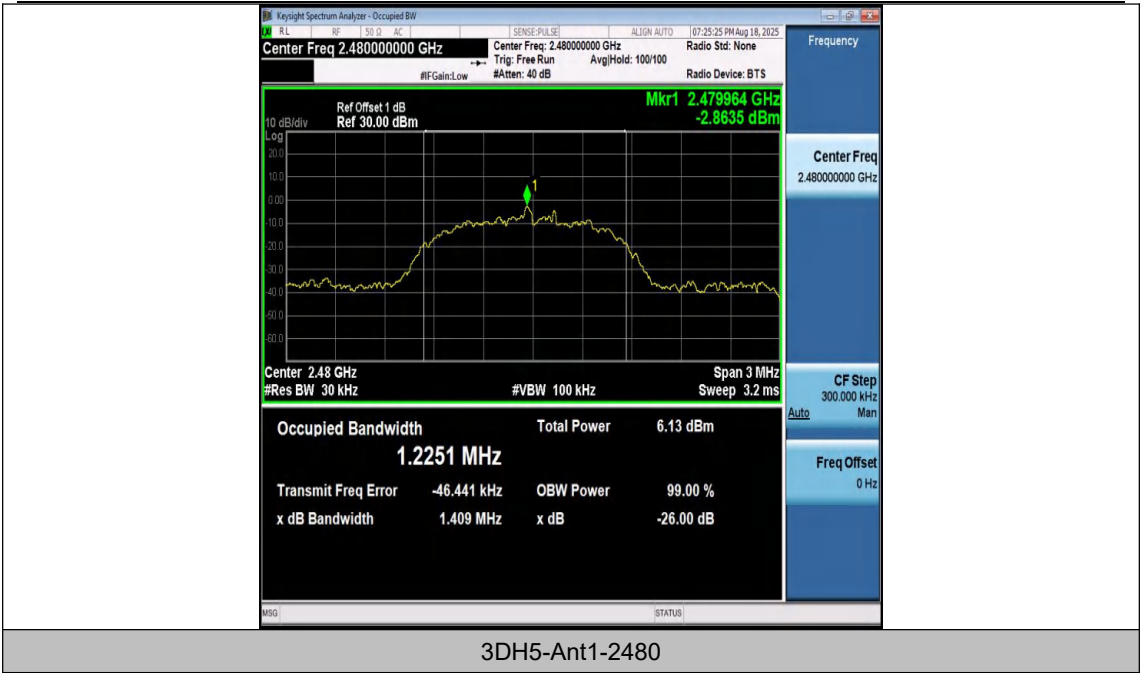
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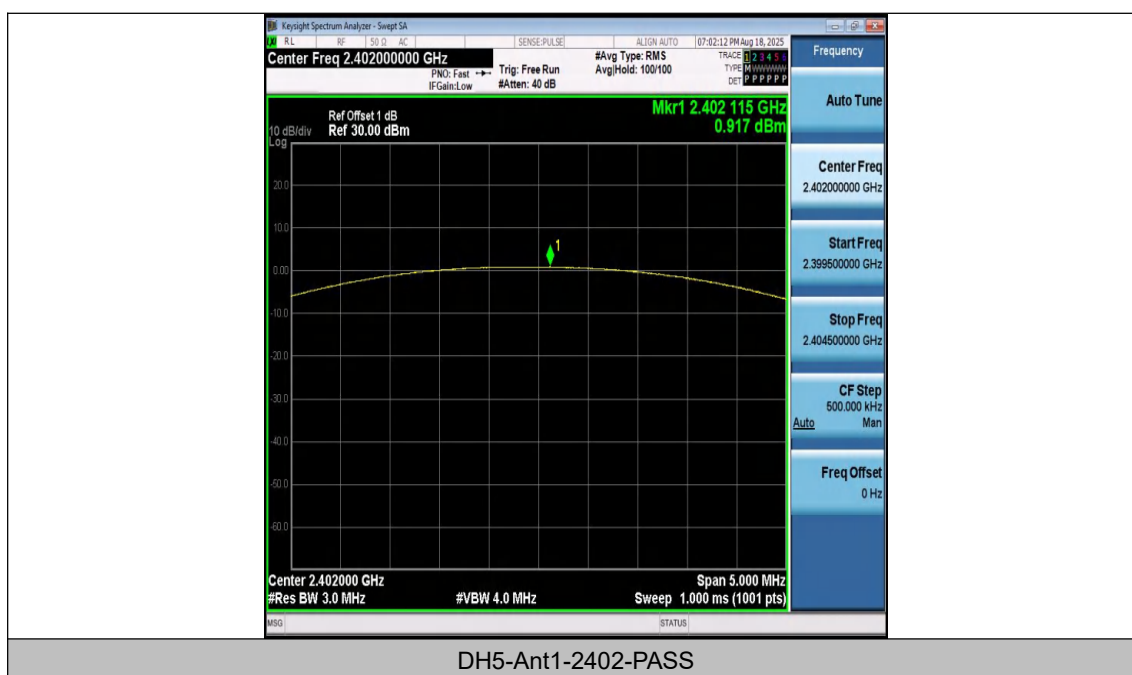
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.92	≤20.97	PASS
DH5	Ant1	2441	0.43	≤20.97	PASS
DH5	Ant1	2480	-0.28	≤20.97	PASS
2DH5	Ant1	2402	1.34	≤20.97	PASS
2DH5	Ant1	2441	0.88	≤20.97	PASS
2DH5	Ant1	2480	0.03	≤20.97	PASS
3DH5	Ant1	2402	1.64	≤20.97	PASS
3DH5	Ant1	2441	1.01	≤20.97	PASS
3DH5	Ant1	2480	0.34	≤20.97	PASS

Test Graphs

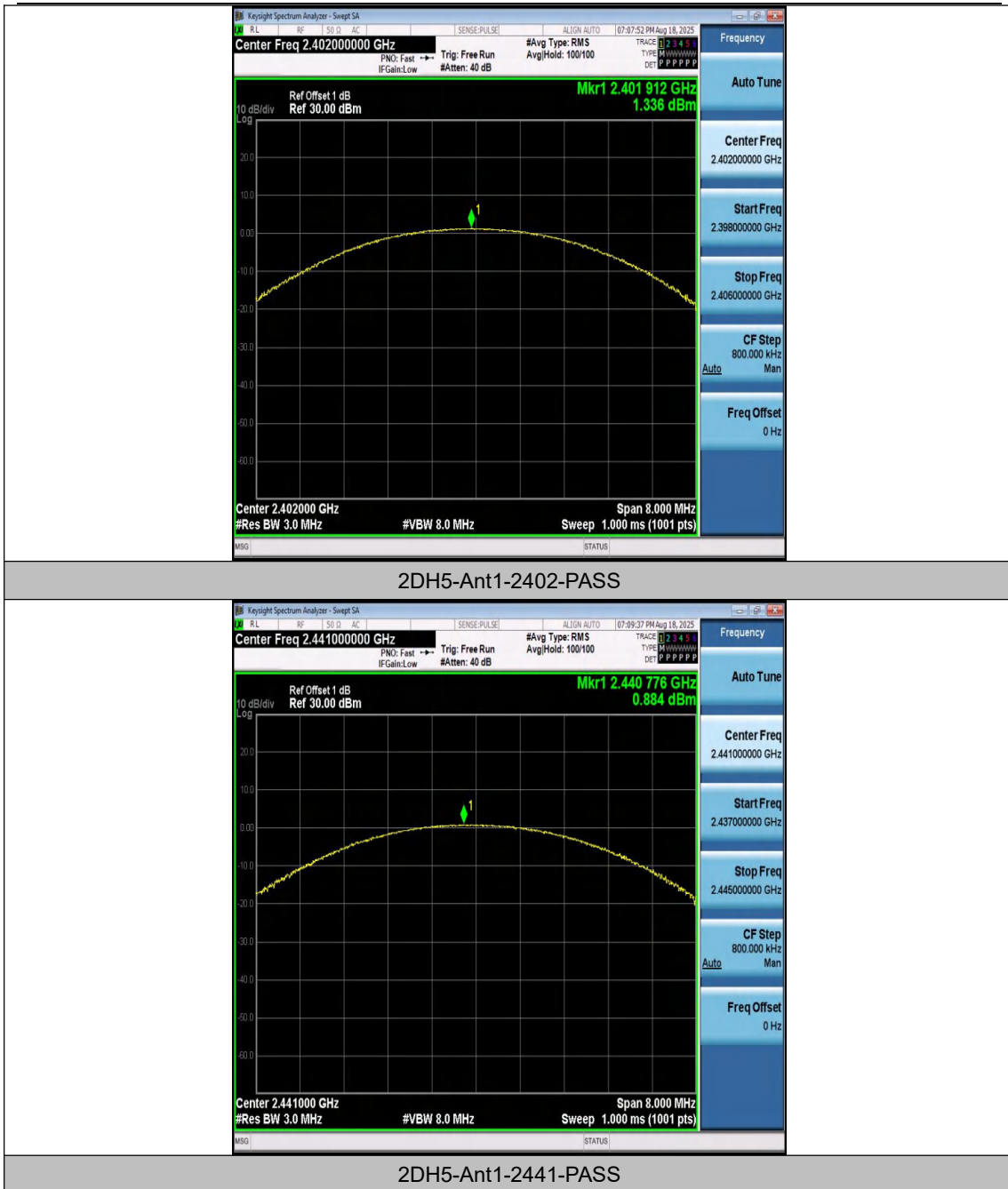




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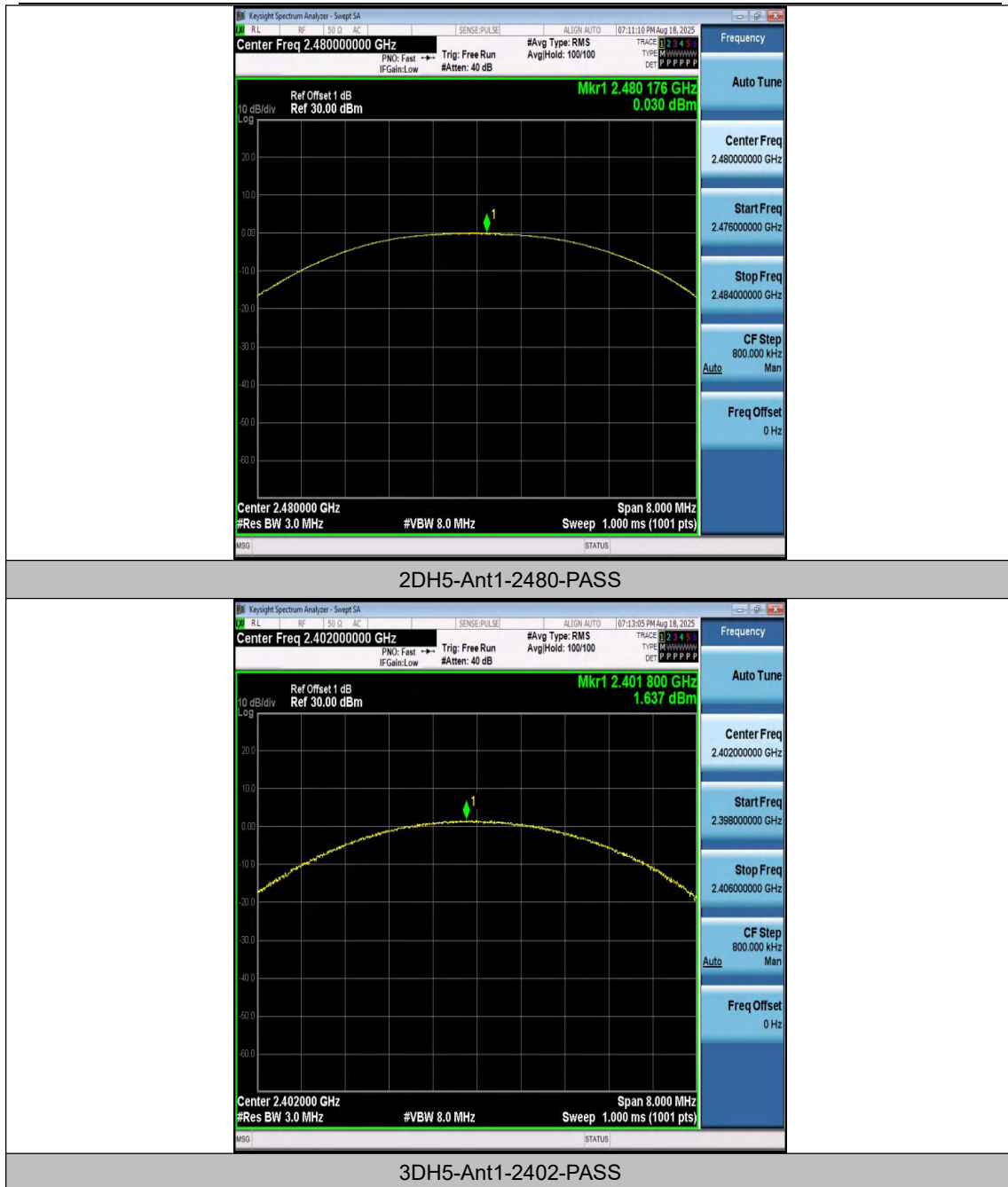
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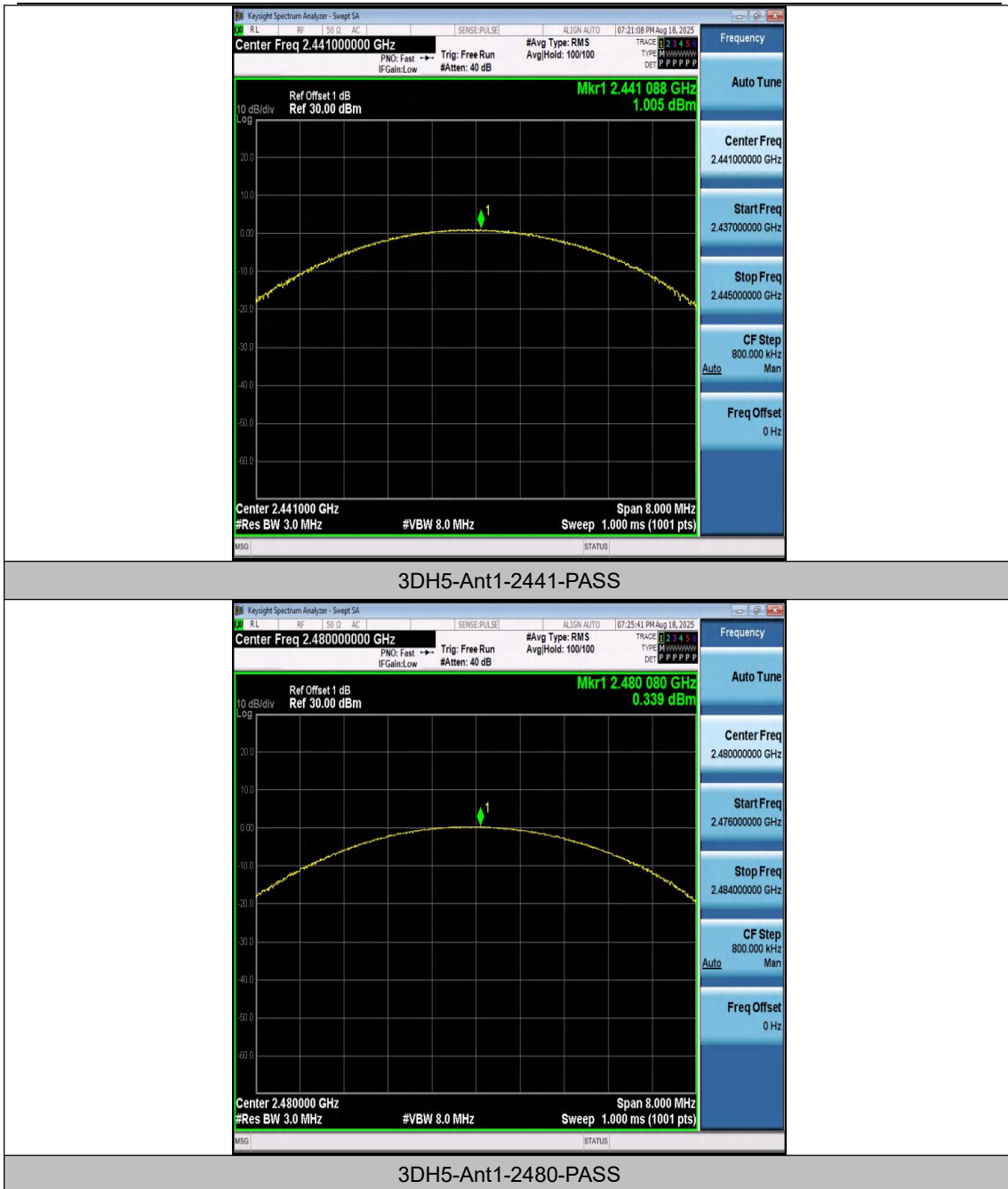
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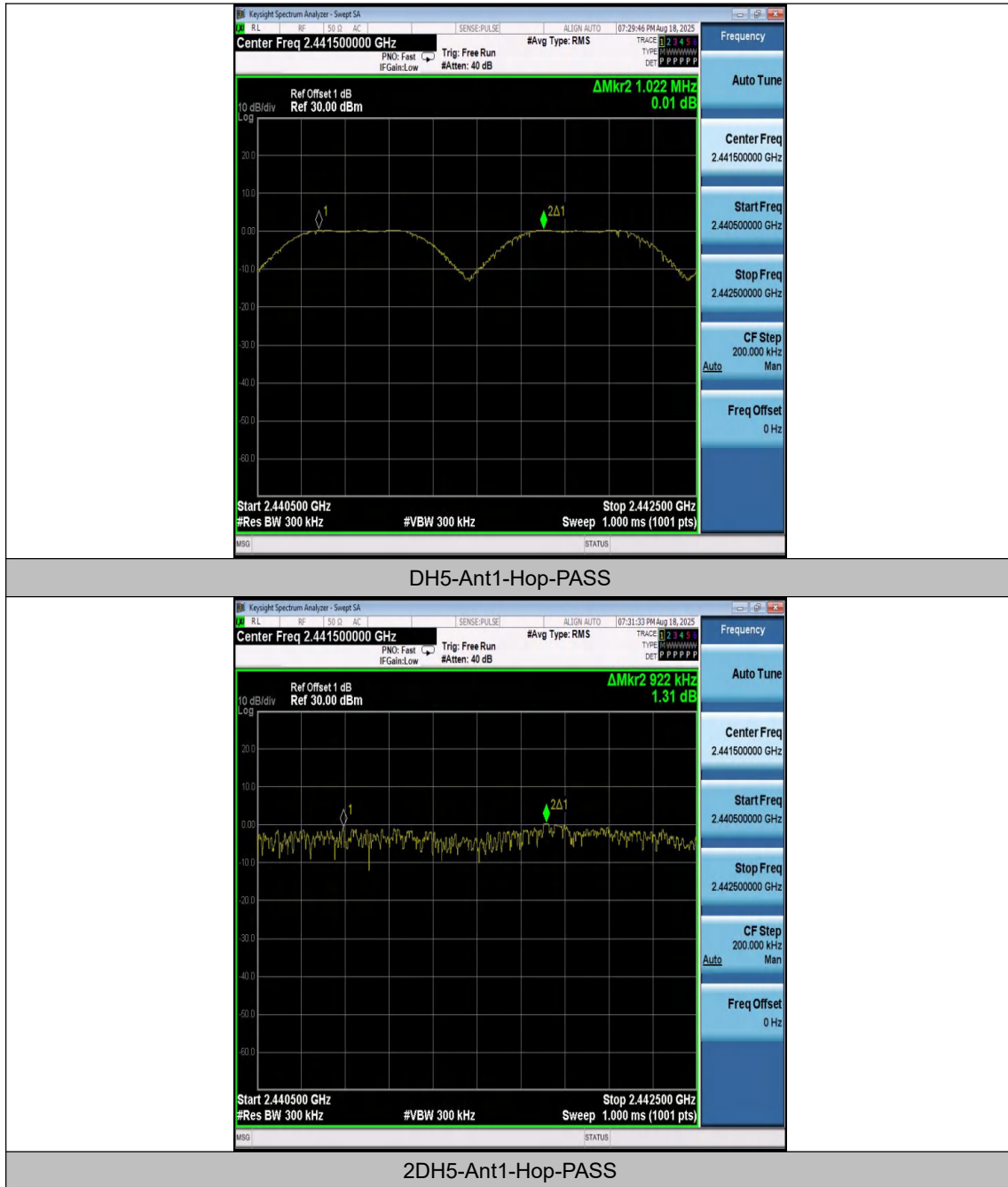
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥ 0.638	PASS
2DH5	Ant1	Hop	0.922	≥ 0.880	PASS
3DH5	Ant1	Hop	1.142	≥ 0.874	PASS

Test Graphs



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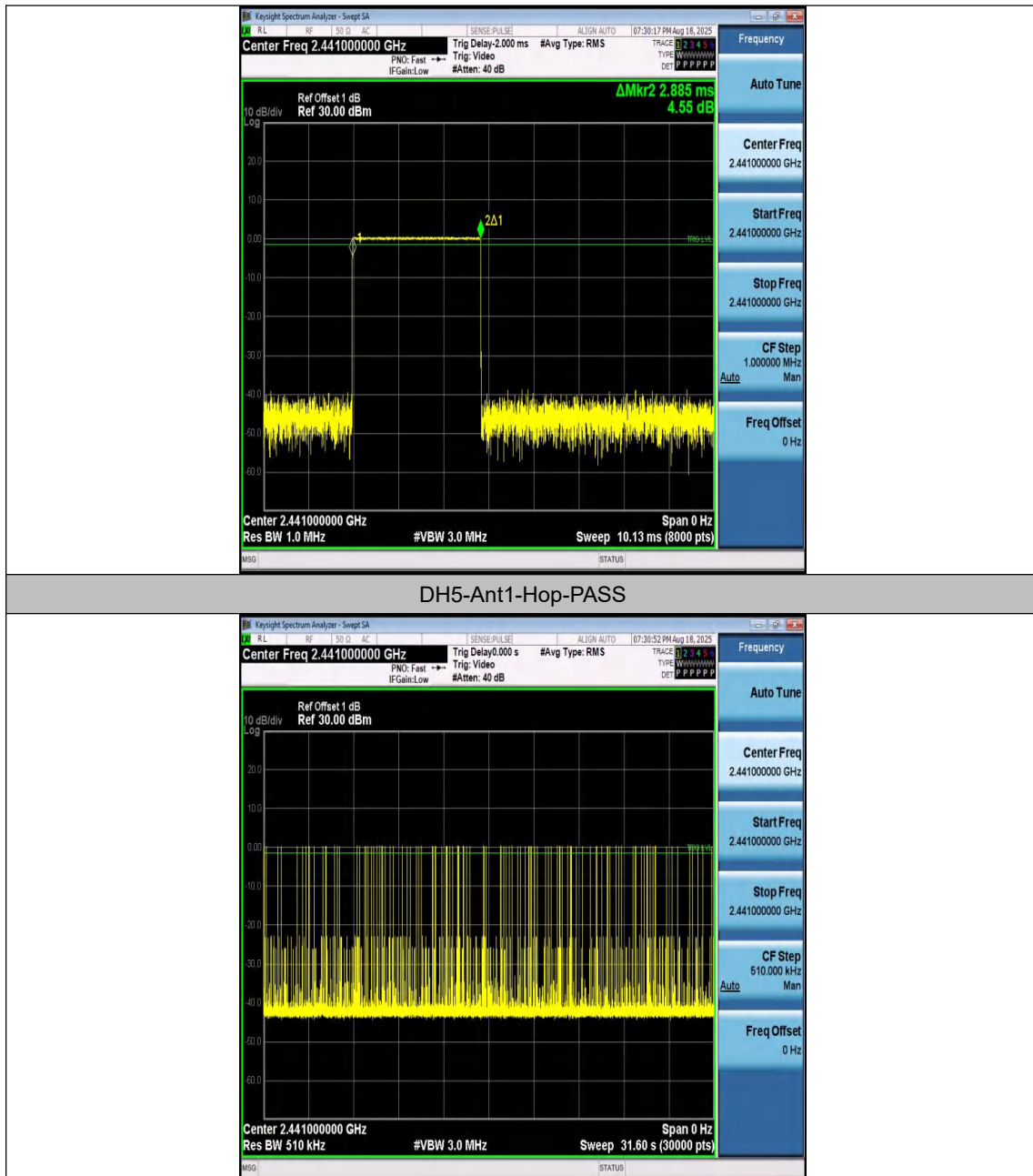
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	105	0.303	≤0.4	PASS
2DH5	Ant1	Hop	2.891	116	0.335	≤0.4	PASS
3DH5	Ant1	Hop	2.893	109	0.315	≤0.4	PASS

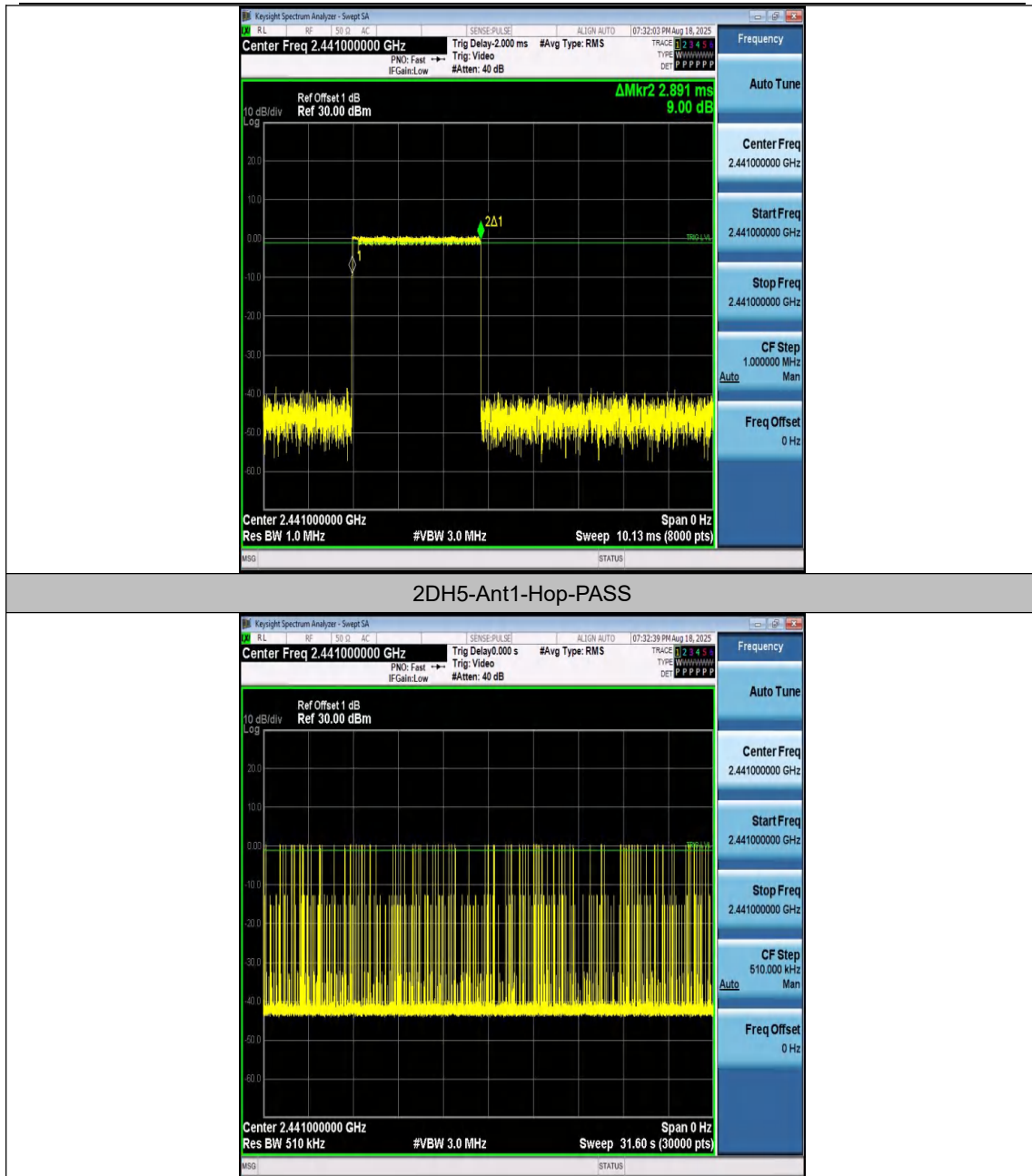
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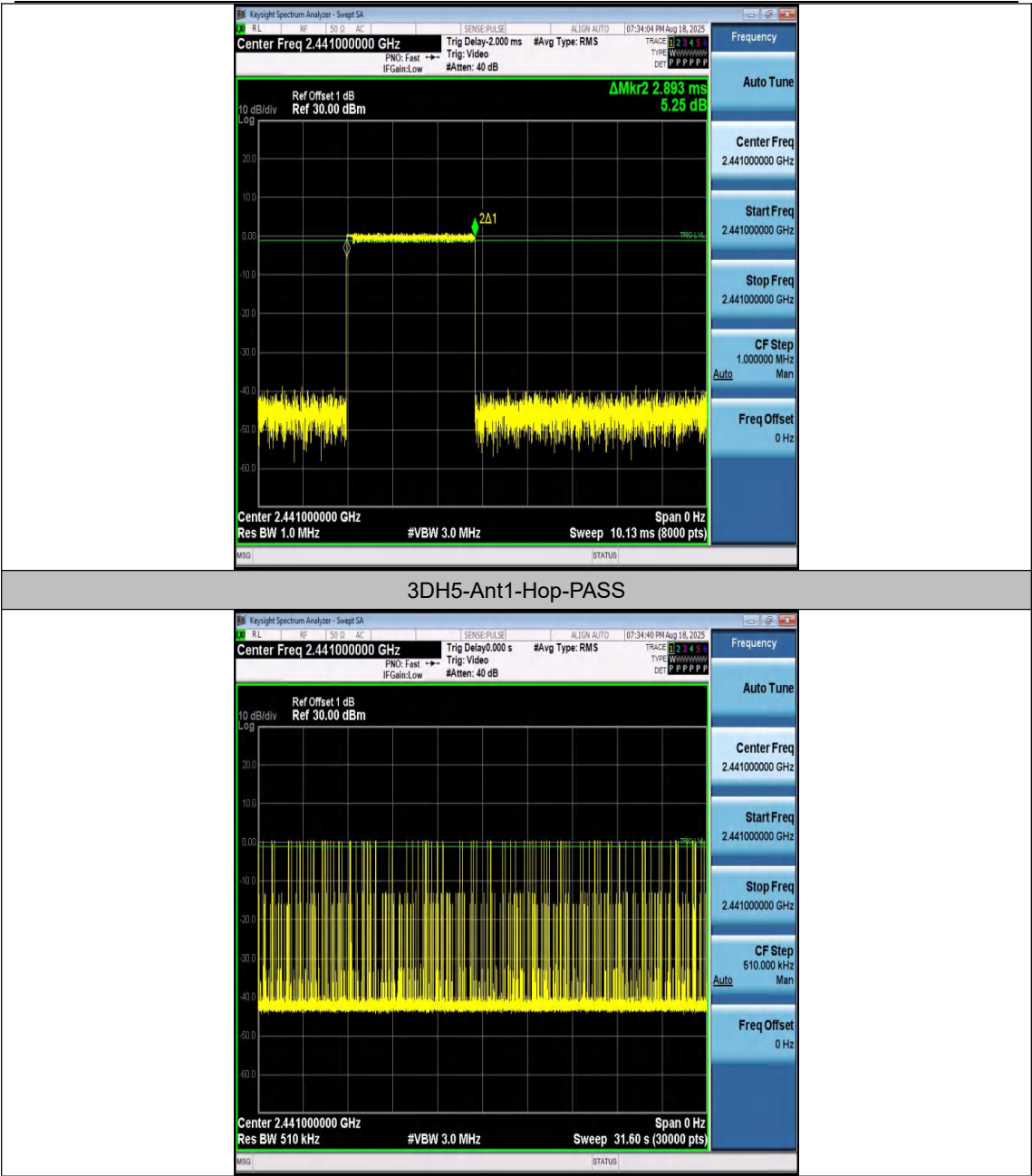
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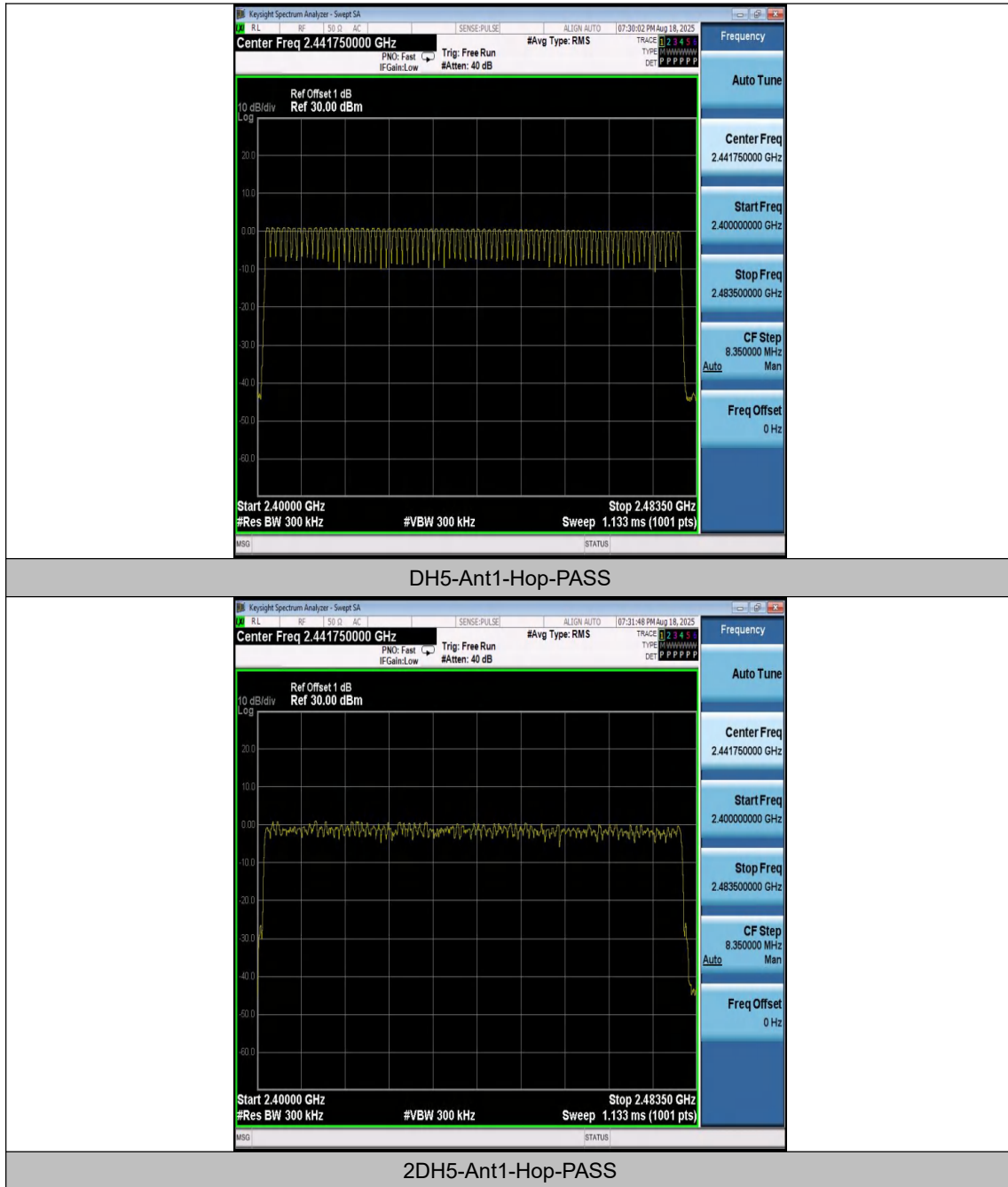
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Appendix F: Number of Hopping Channel

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

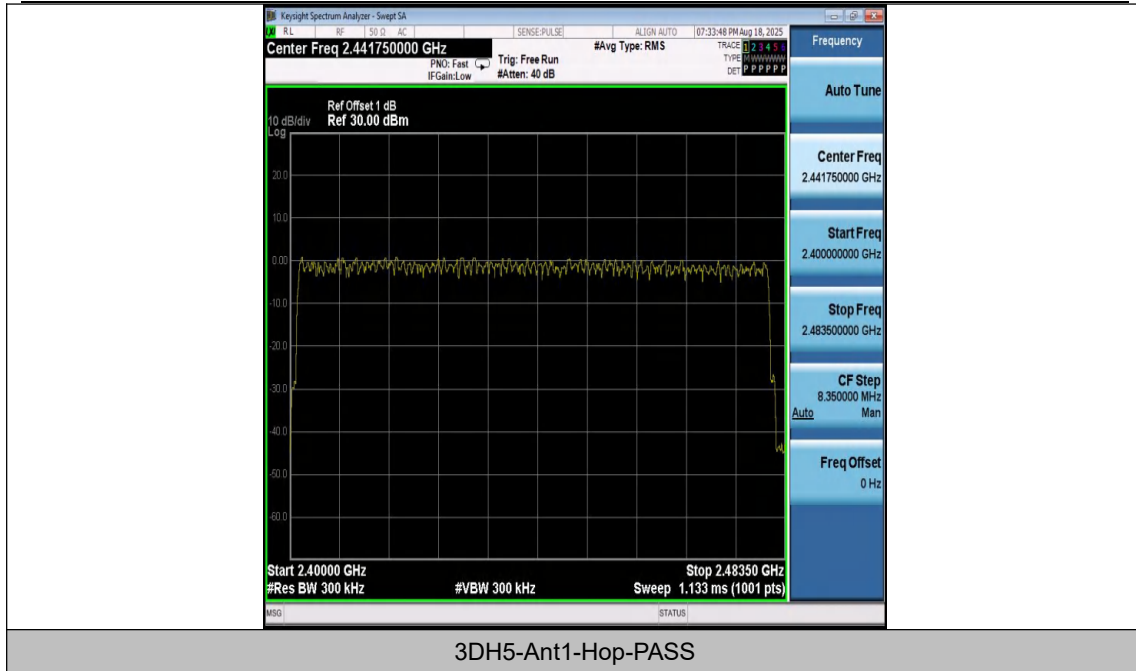
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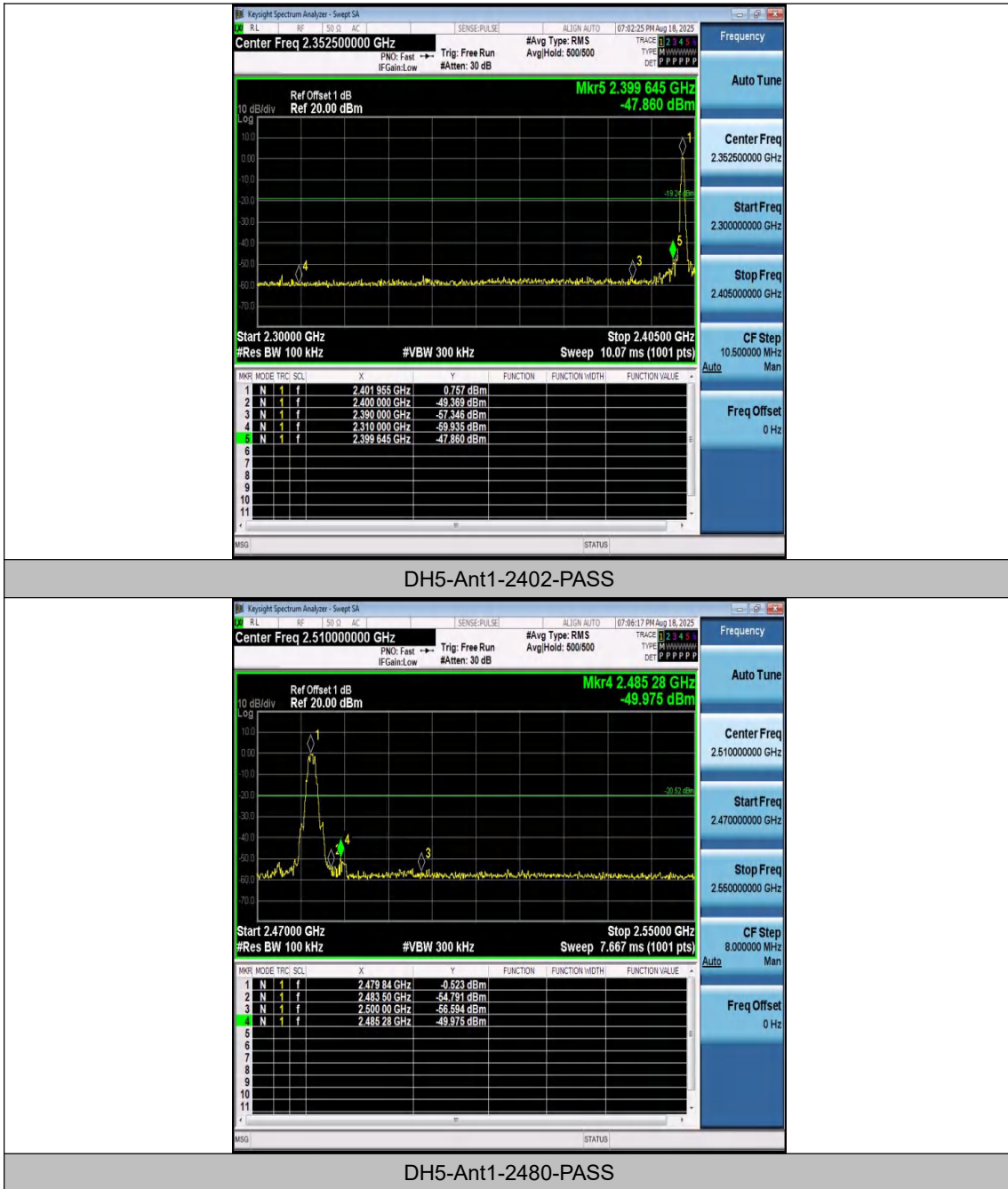
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.76	-47.86	≤-19.24	PASS
DH5	Ant1	High	2480	-0.52	-49.98	≤-20.52	PASS
DH5	Ant1	Low	Hop_2402	0.35	-53.27	≤-19.66	PASS
DH5	Ant1	High	Hop_2480	-0.70	-53.45	≤-20.7	PASS
2DH5	Ant1	Low	2402	0.66	-45.57	≤-19.34	PASS
2DH5	Ant1	High	2480	-0.52	-49.06	≤-20.52	PASS
2DH5	Ant1	Low	Hop_2402	-2.48	-53.06	≤-22.48	PASS
2DH5	Ant1	High	Hop_2480	-0.71	-55.15	≤-20.71	PASS
3DH5	Ant1	Low	2402	0.66	-46.87	≤-19.34	PASS
3DH5	Ant1	High	2480	-0.41	-53.43	≤-20.41	PASS
3DH5	Ant1	Low	Hop_2402	-0.74	-54.95	≤-20.74	PASS
3DH5	Ant1	High	Hop_2480	-1.55	-55.25	≤-21.55	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.

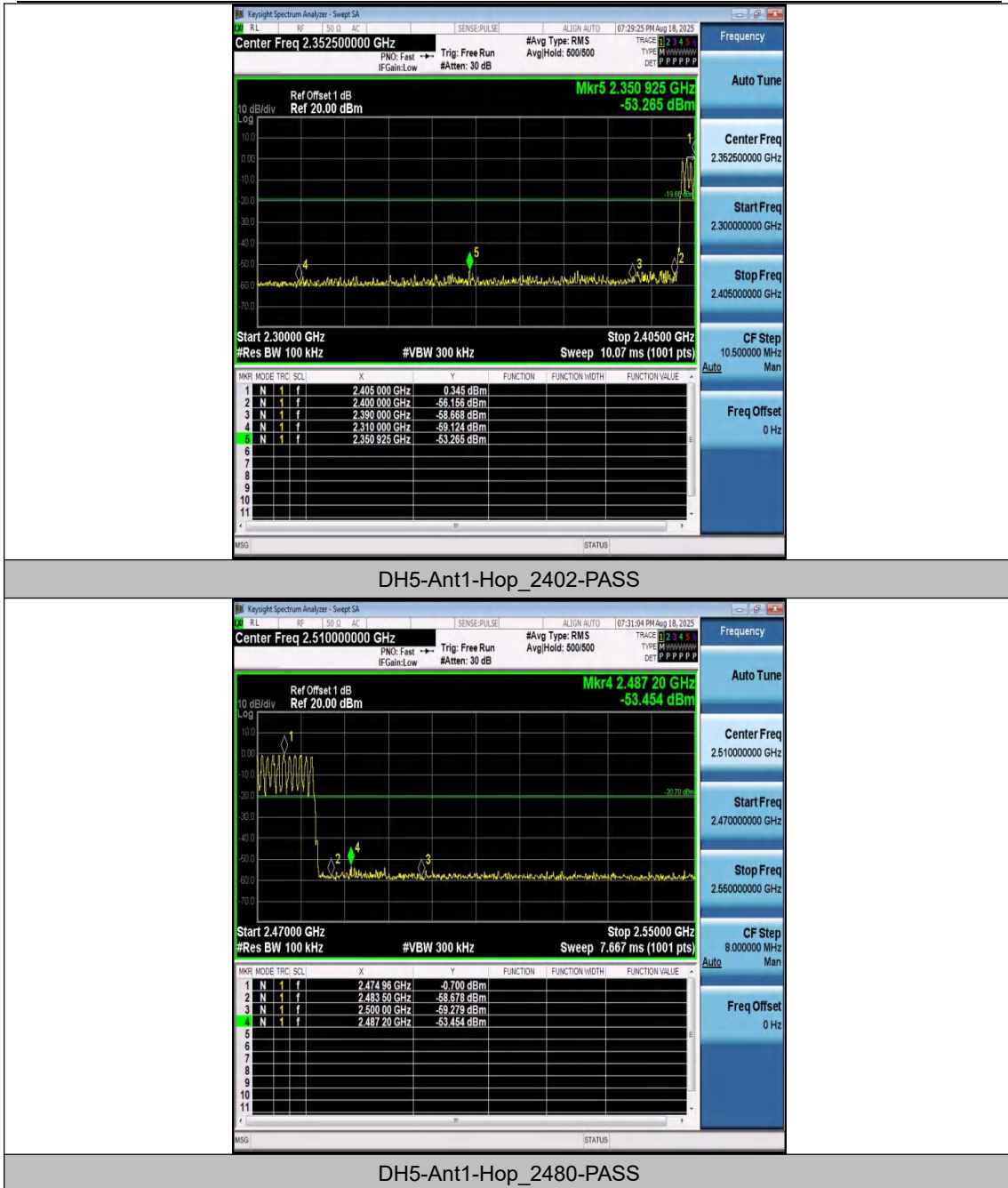
Test Graphs

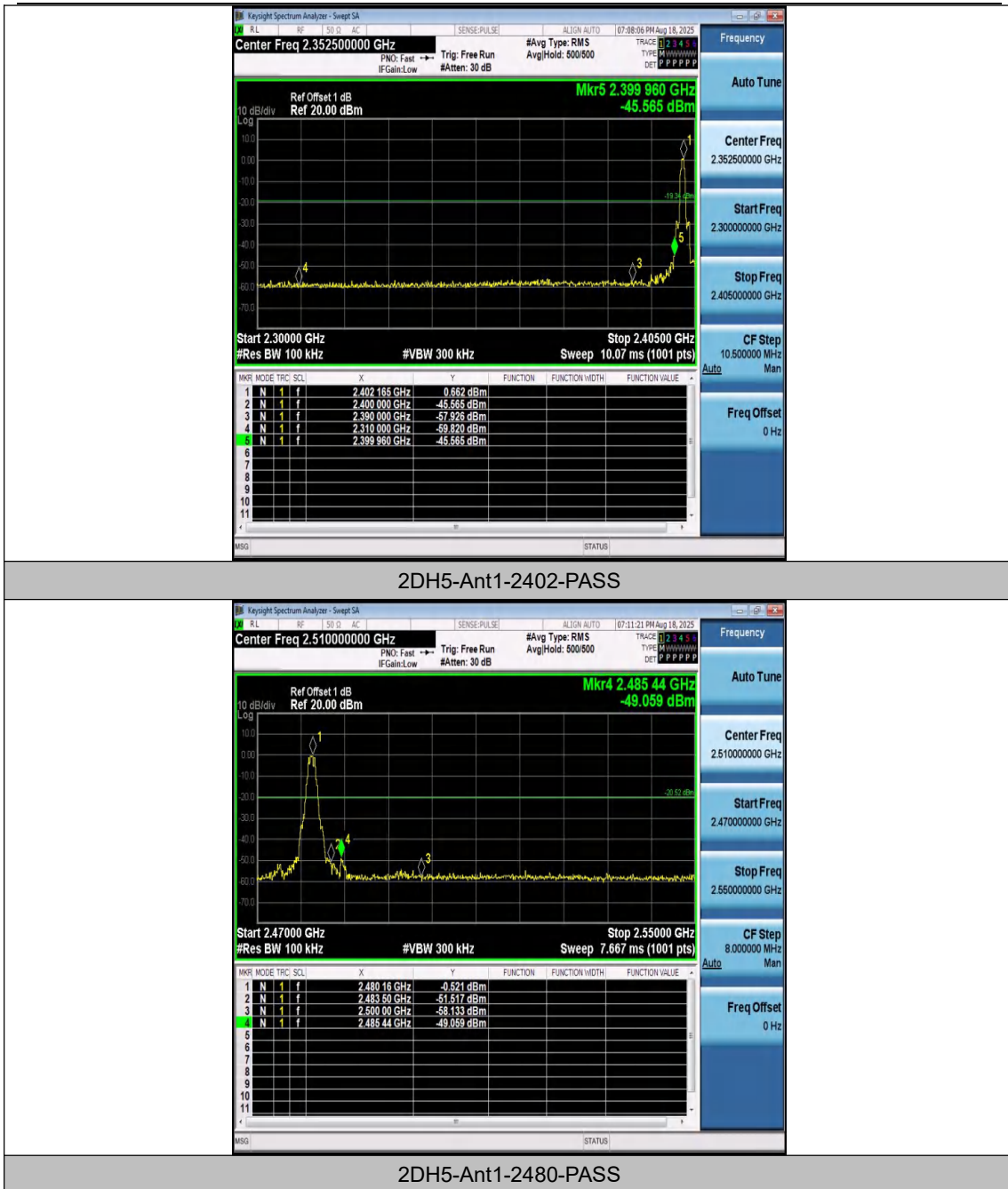


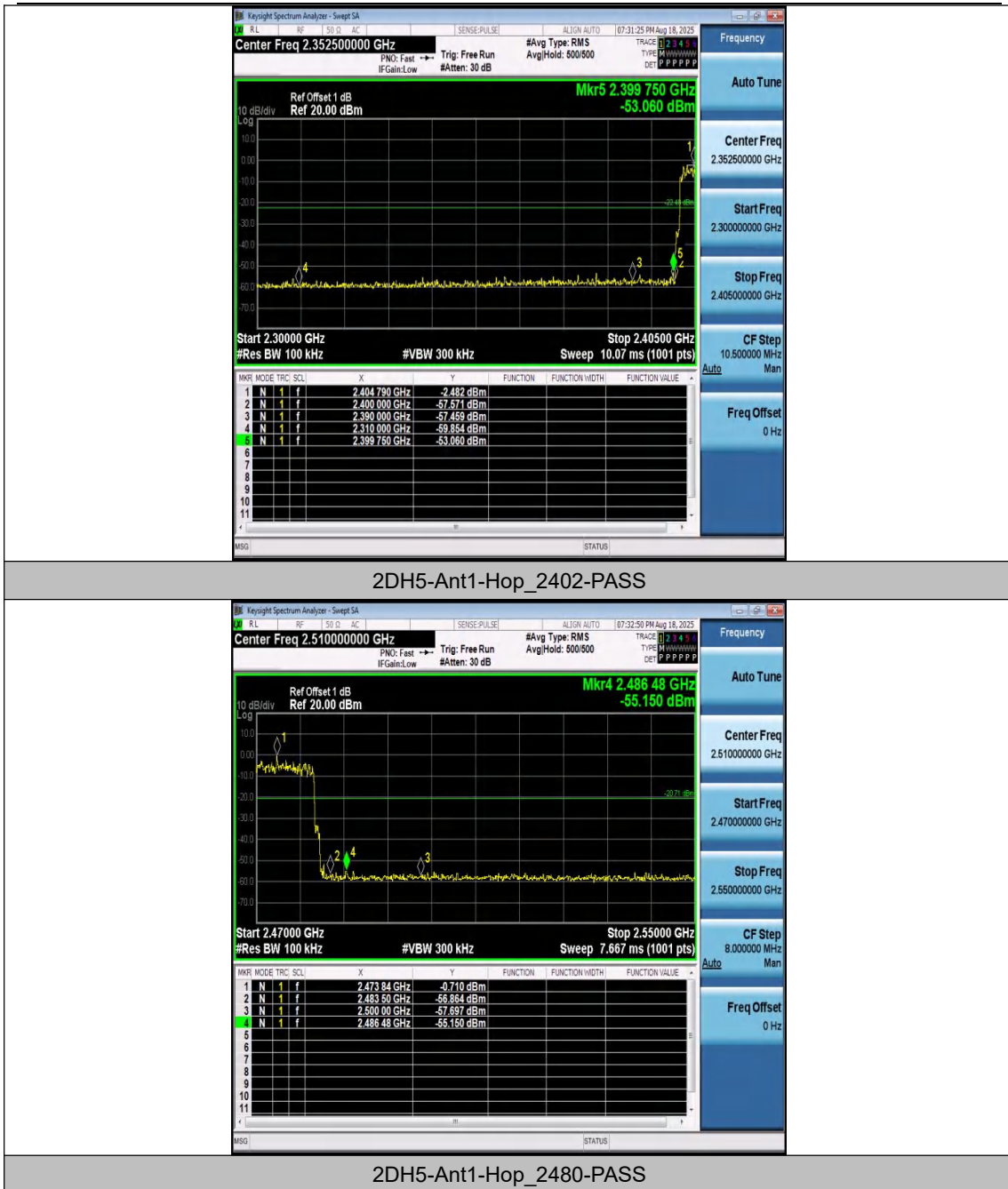
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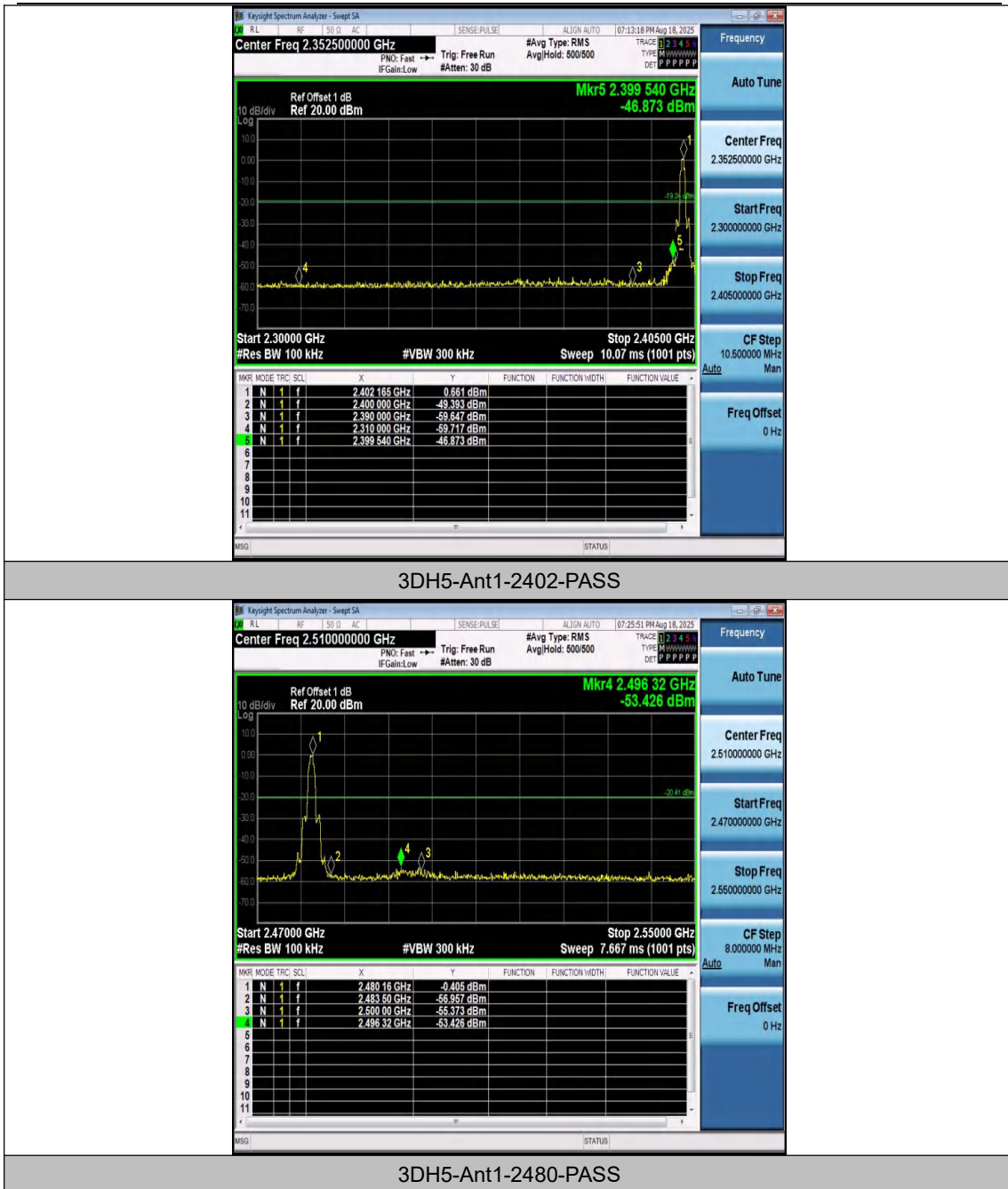
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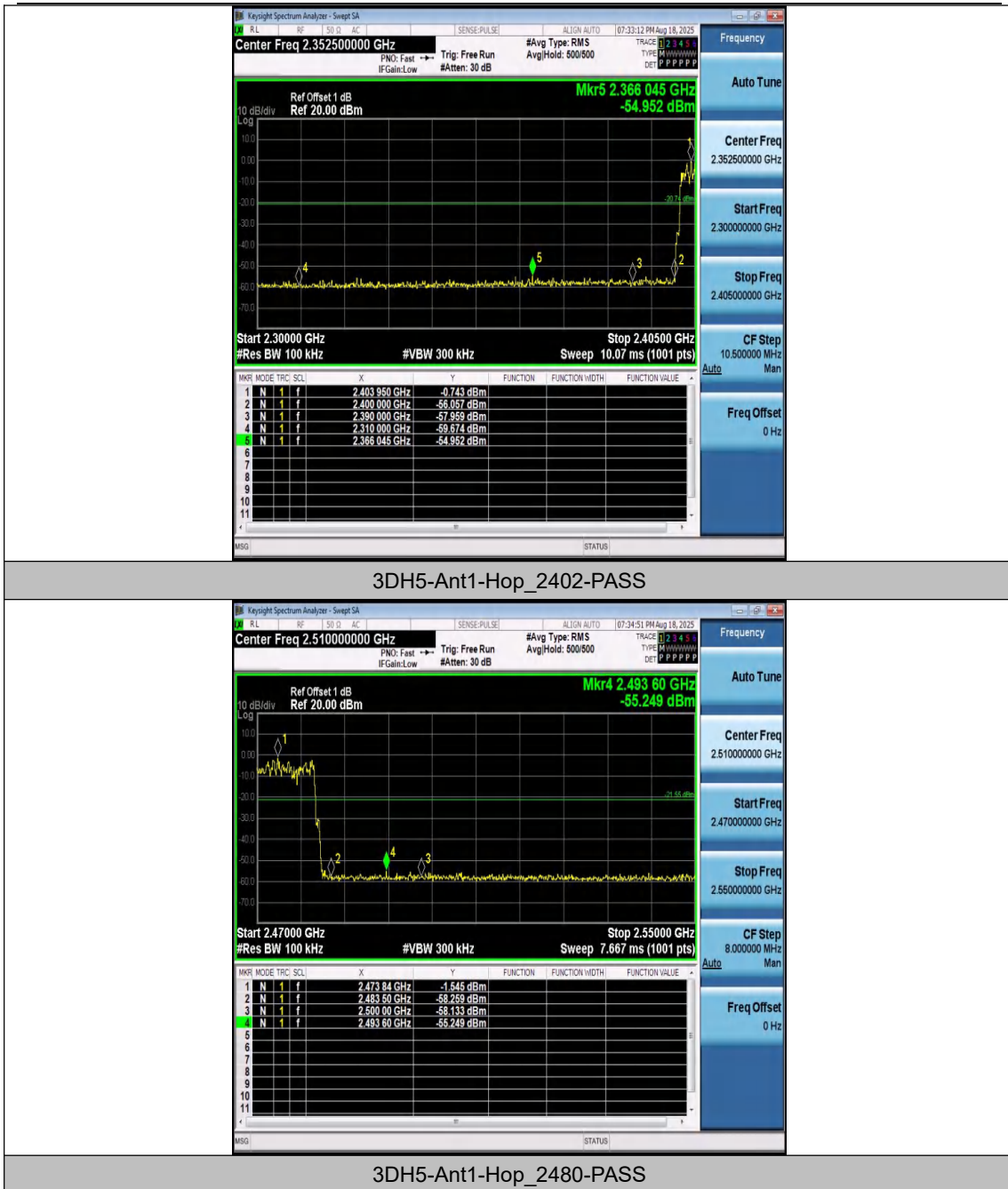




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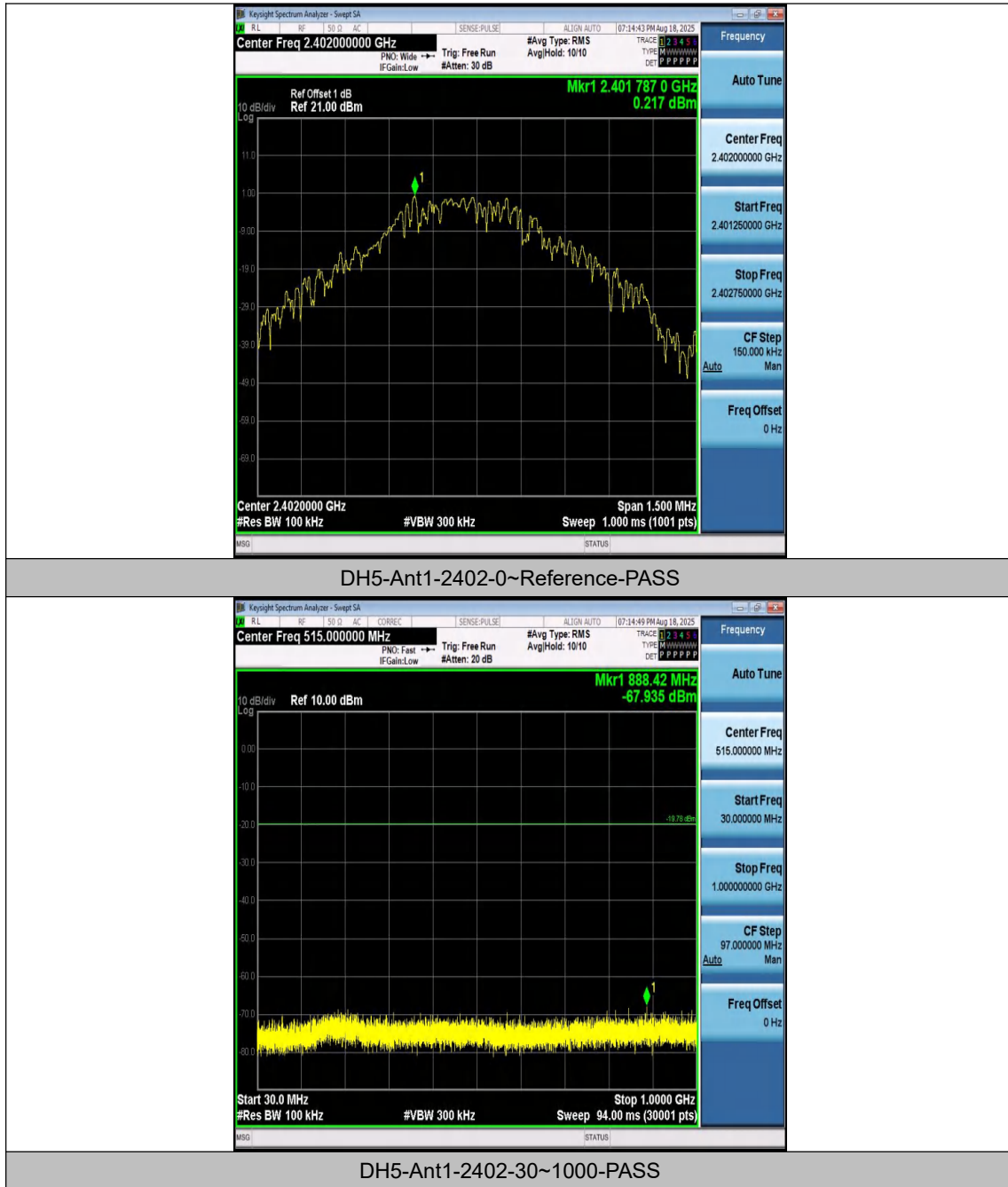
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.22	0.22	---	PASS
DH5	Ant1	2402	30~1000	0.22	-67.94	≤-19.78	PASS
DH5	Ant1	2402	1000~26500	0.22	-36.56	≤-19.78	PASS
DH5	Ant1	2441	0~Reference	-0.51	-0.51	---	PASS
DH5	Ant1	2441	30~1000	-0.51	-68.6	≤-20.51	PASS
DH5	Ant1	2441	1000~26500	-0.51	-43.06	≤-20.51	PASS
DH5	Ant1	2480	0~Reference	-0.99	-0.99	---	PASS
DH5	Ant1	2480	30~1000	-0.99	-68.68	≤-20.99	PASS
DH5	Ant1	2480	1000~26500	-0.99	-43.55	≤-20.99	PASS
2DH5	Ant1	2402	0~Reference	0.33	0.33	---	PASS
2DH5	Ant1	2402	30~1000	0.33	-68.86	≤-19.67	PASS
2DH5	Ant1	2402	1000~26500	0.33	-36.93	≤-19.67	PASS
2DH5	Ant1	2441	0~Reference	0.14	0.14	---	PASS
2DH5	Ant1	2441	30~1000	0.14	-68.8	≤-19.86	PASS
2DH5	Ant1	2441	1000~26500	0.14	-42.87	≤-19.86	PASS
2DH5	Ant1	2480	0~Reference	-1.87	-1.87	---	PASS
2DH5	Ant1	2480	30~1000	-1.87	-68.5	≤-21.87	PASS
2DH5	Ant1	2480	1000~26500	-1.87	-40.37	≤-21.87	PASS
3DH5	Ant1	2402	0~Reference	-0.73	-0.73	---	PASS
3DH5	Ant1	2402	30~1000	-0.73	-68.65	≤-20.73	PASS
3DH5	Ant1	2402	1000~26500	-0.73	-38.2	≤-20.73	PASS
3DH5	Ant1	2441	0~Reference	-1.06	-1.06	---	PASS
3DH5	Ant1	2441	30~1000	-1.06	-68.52	≤-21.06	PASS
3DH5	Ant1	2441	1000~26500	-1.06	-42.91	≤-21.06	PASS
3DH5	Ant1	2480	0~Reference	-1.59	-1.59	---	PASS
3DH5	Ant1	2480	30~1000	-1.59	-68.01	≤-21.59	PASS
3DH5	Ant1	2480	1000~26500	-1.59	-42.7	≤-21.59	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.

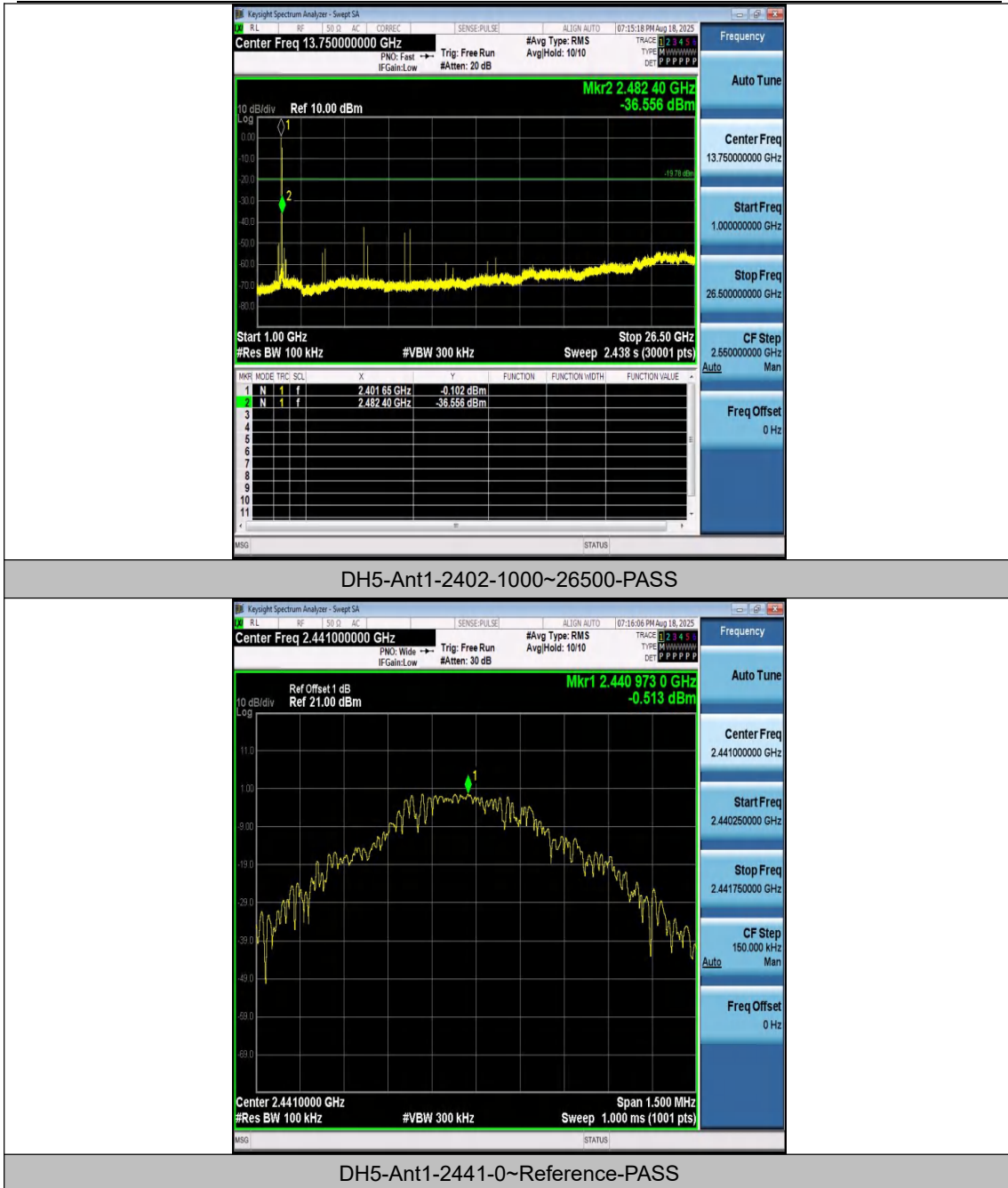
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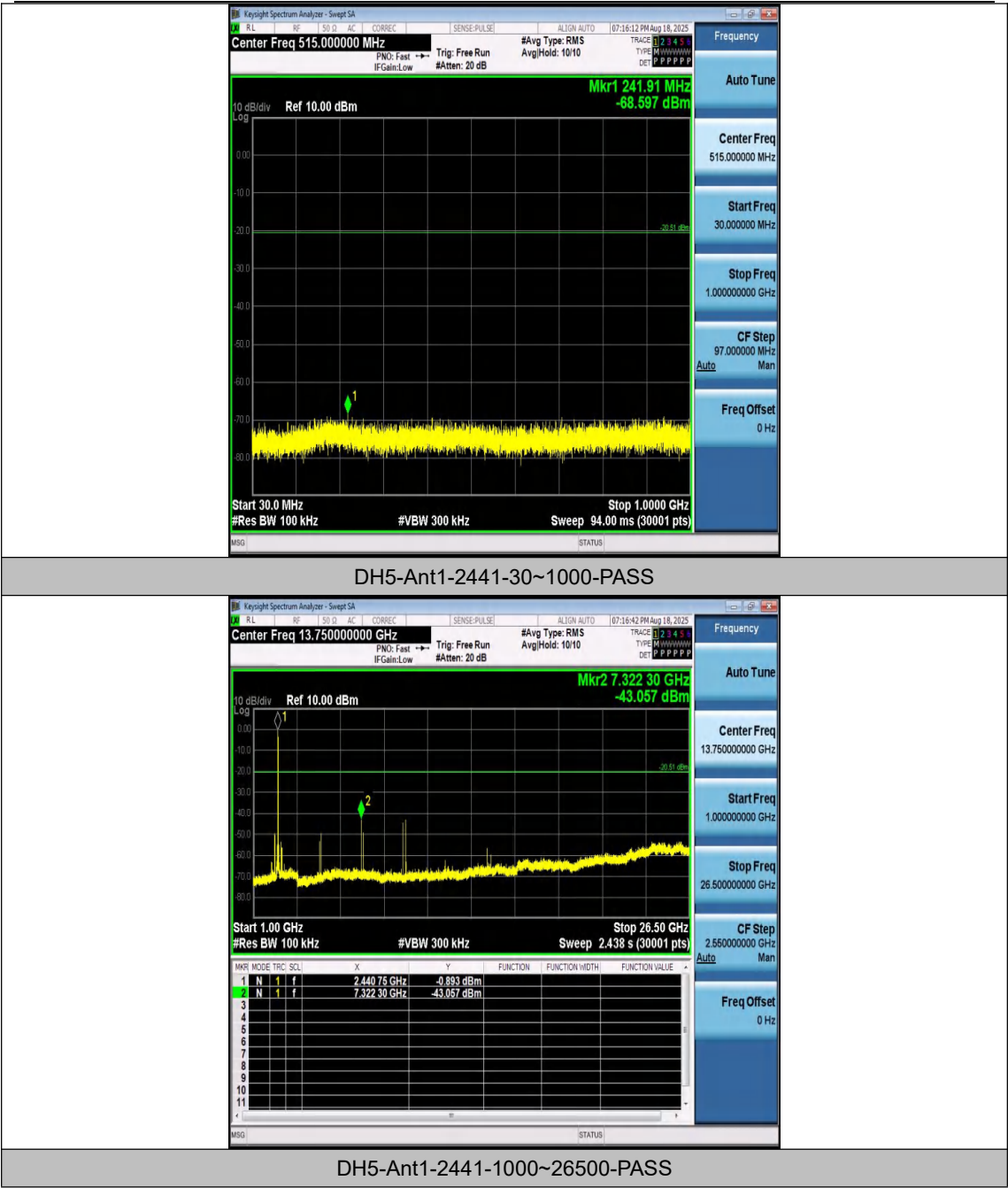
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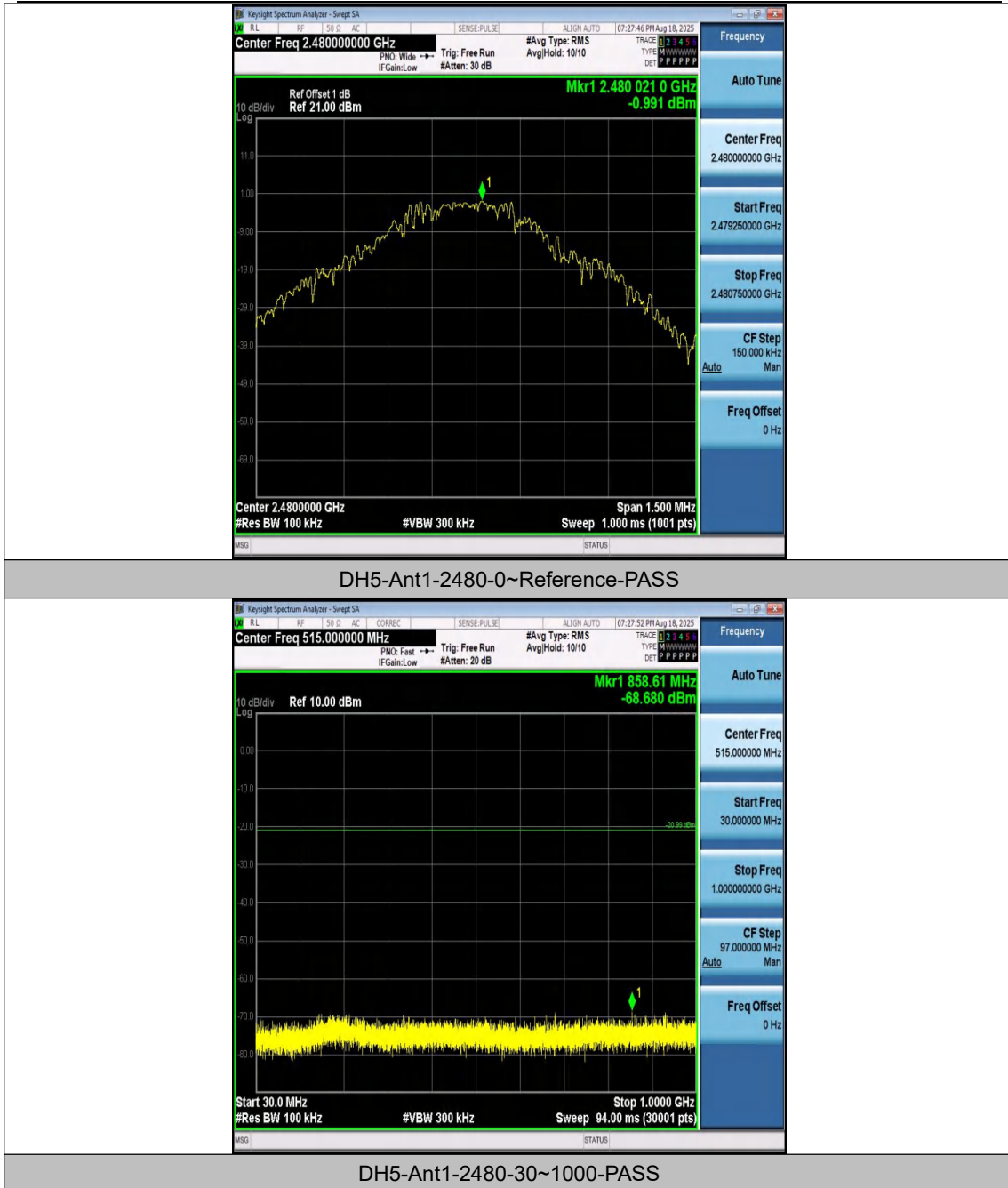


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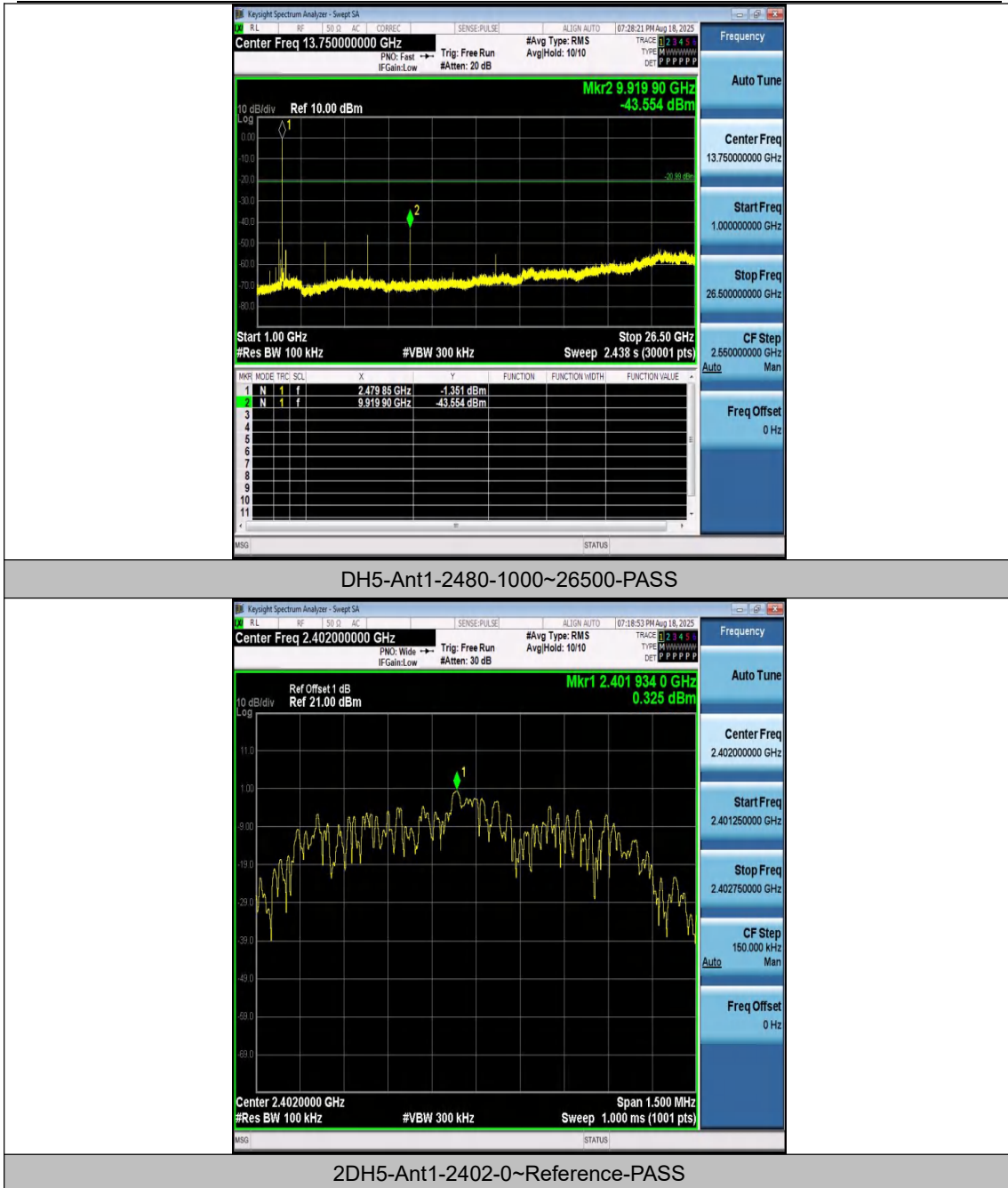




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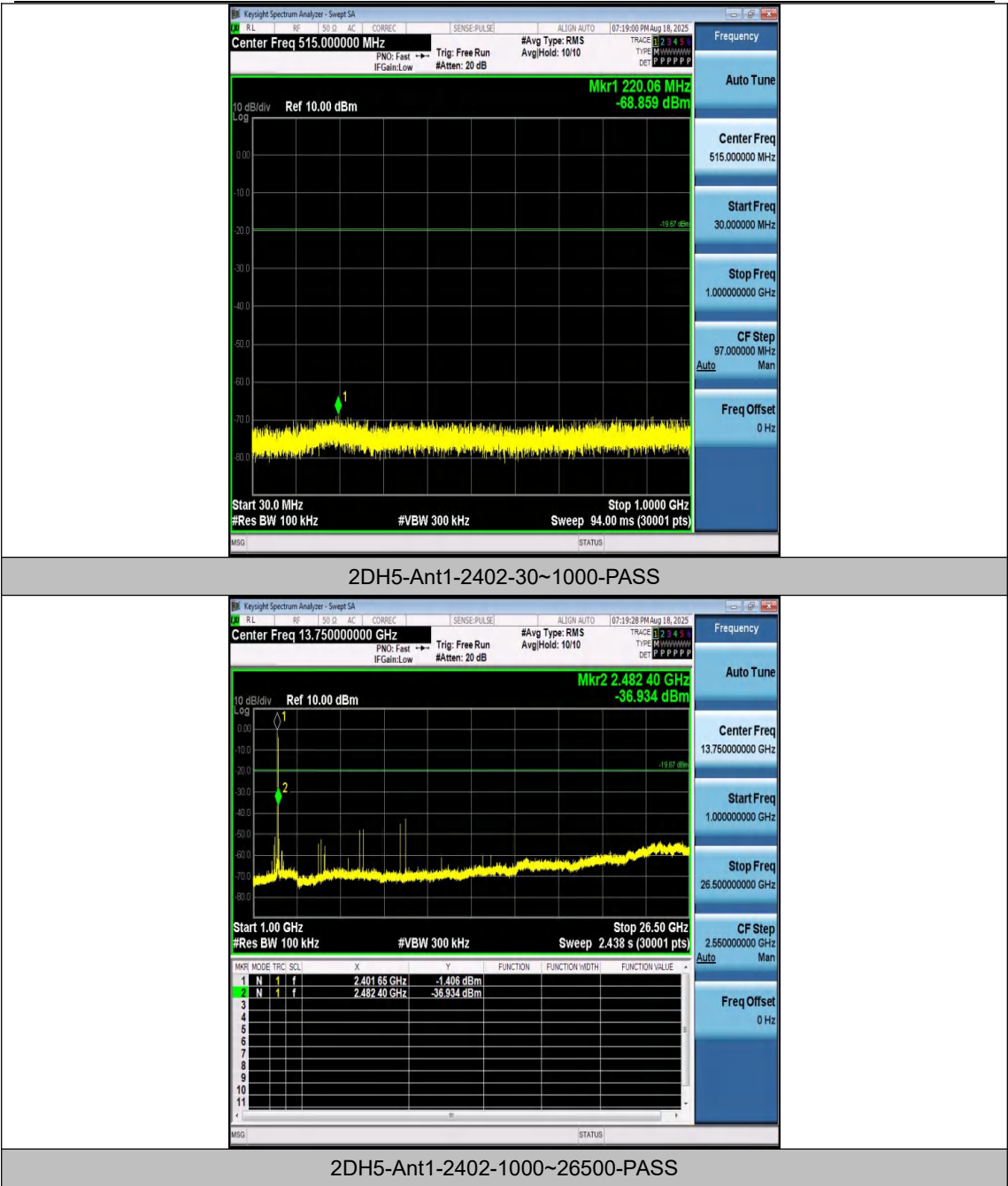
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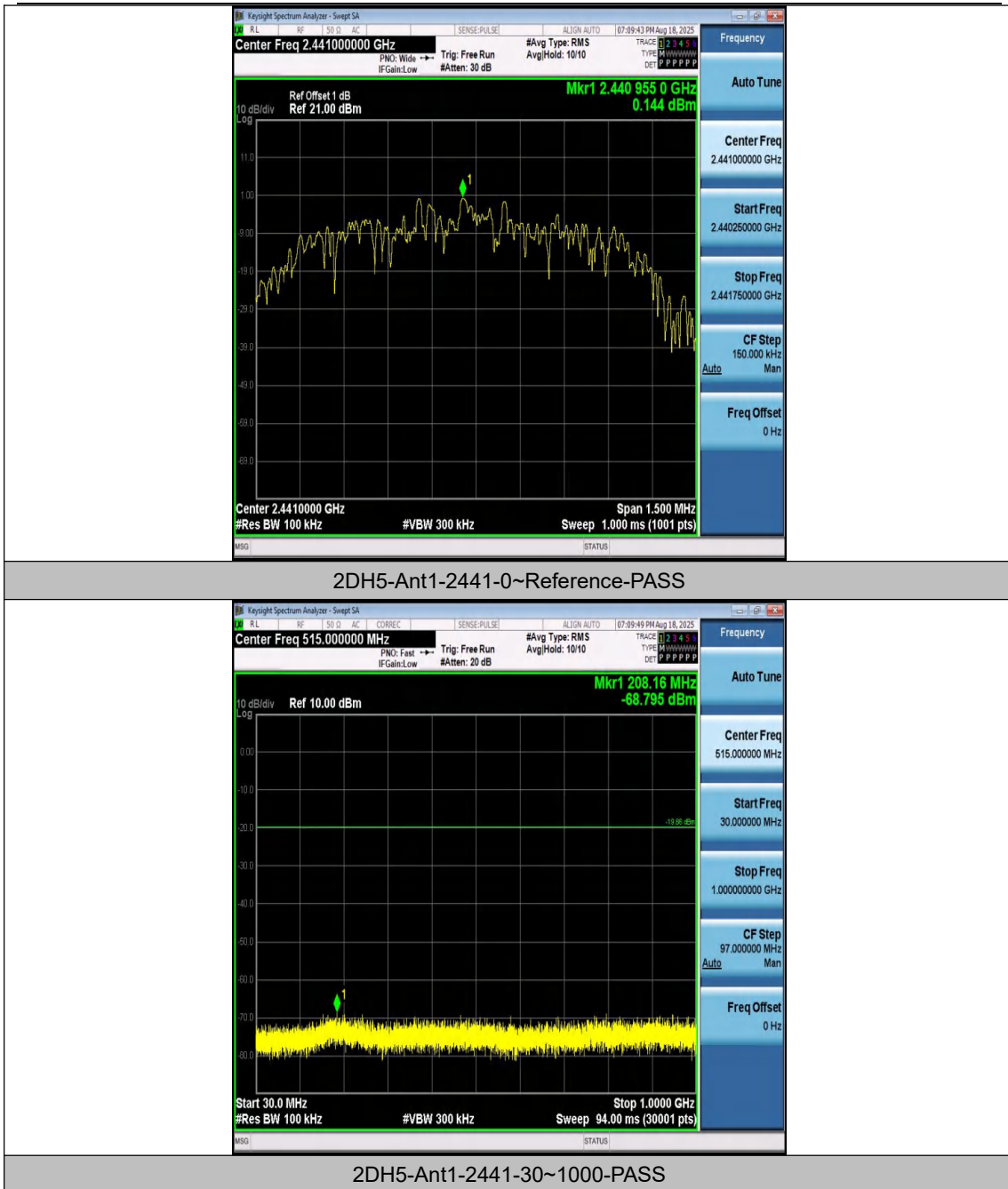


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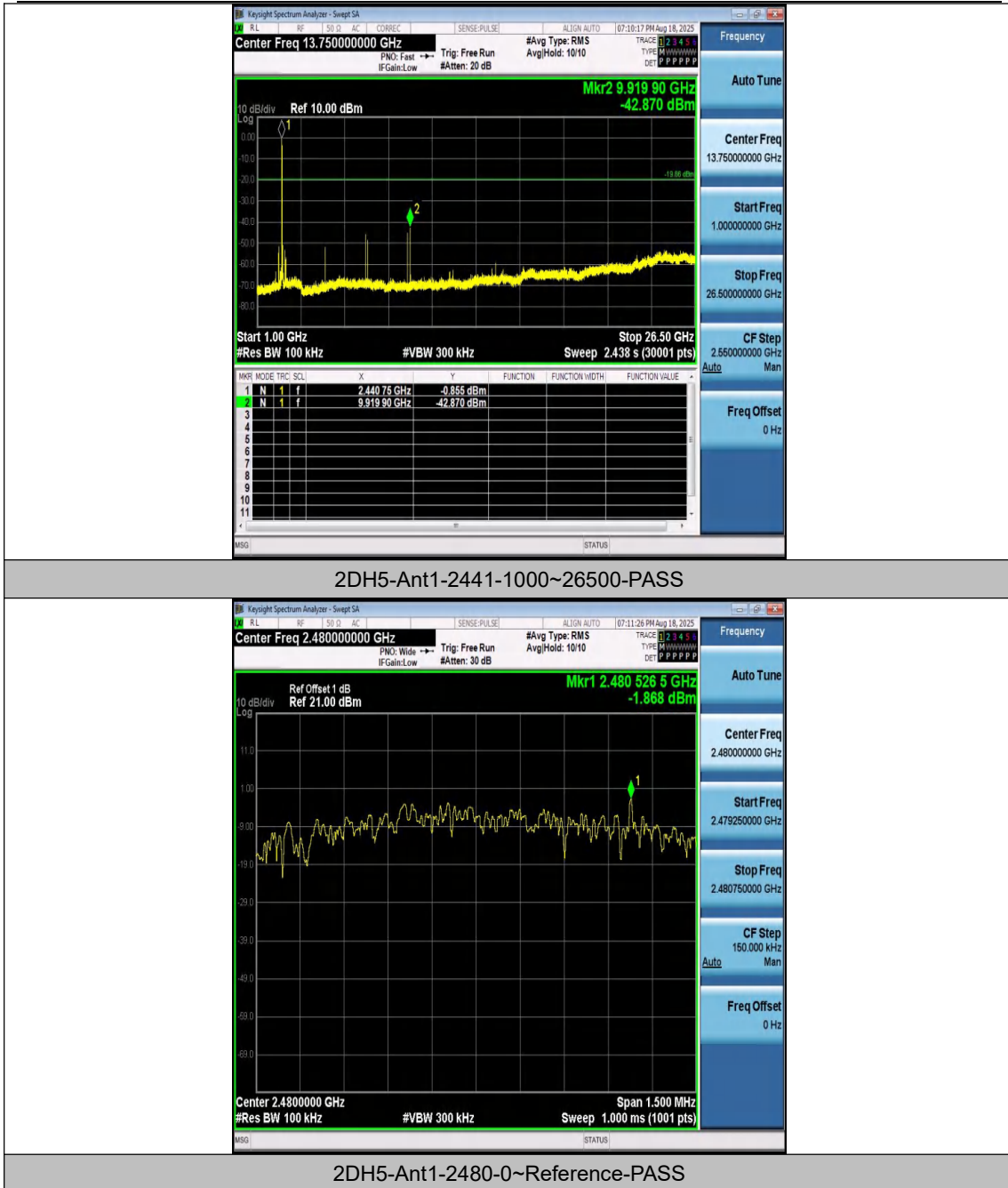




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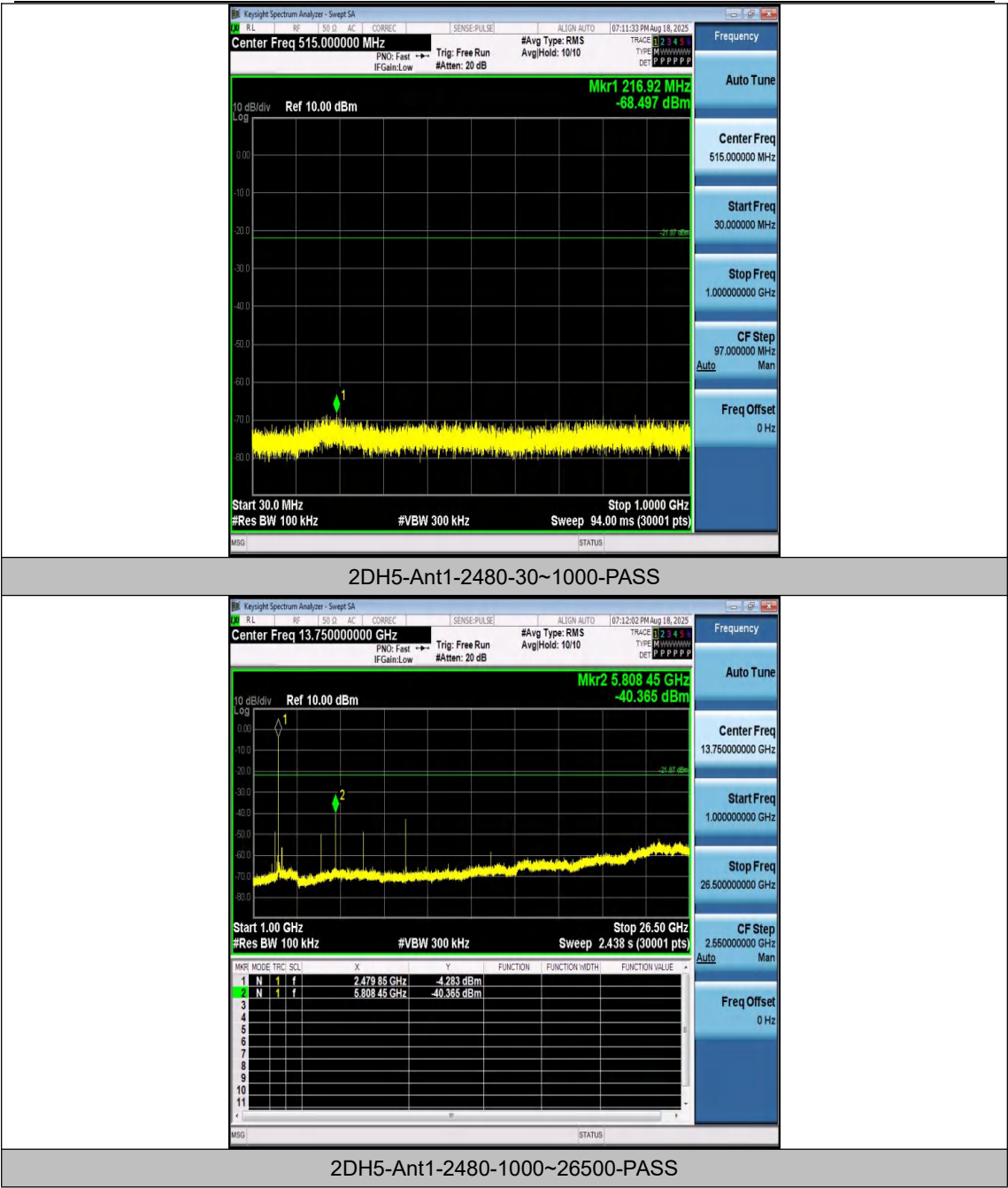
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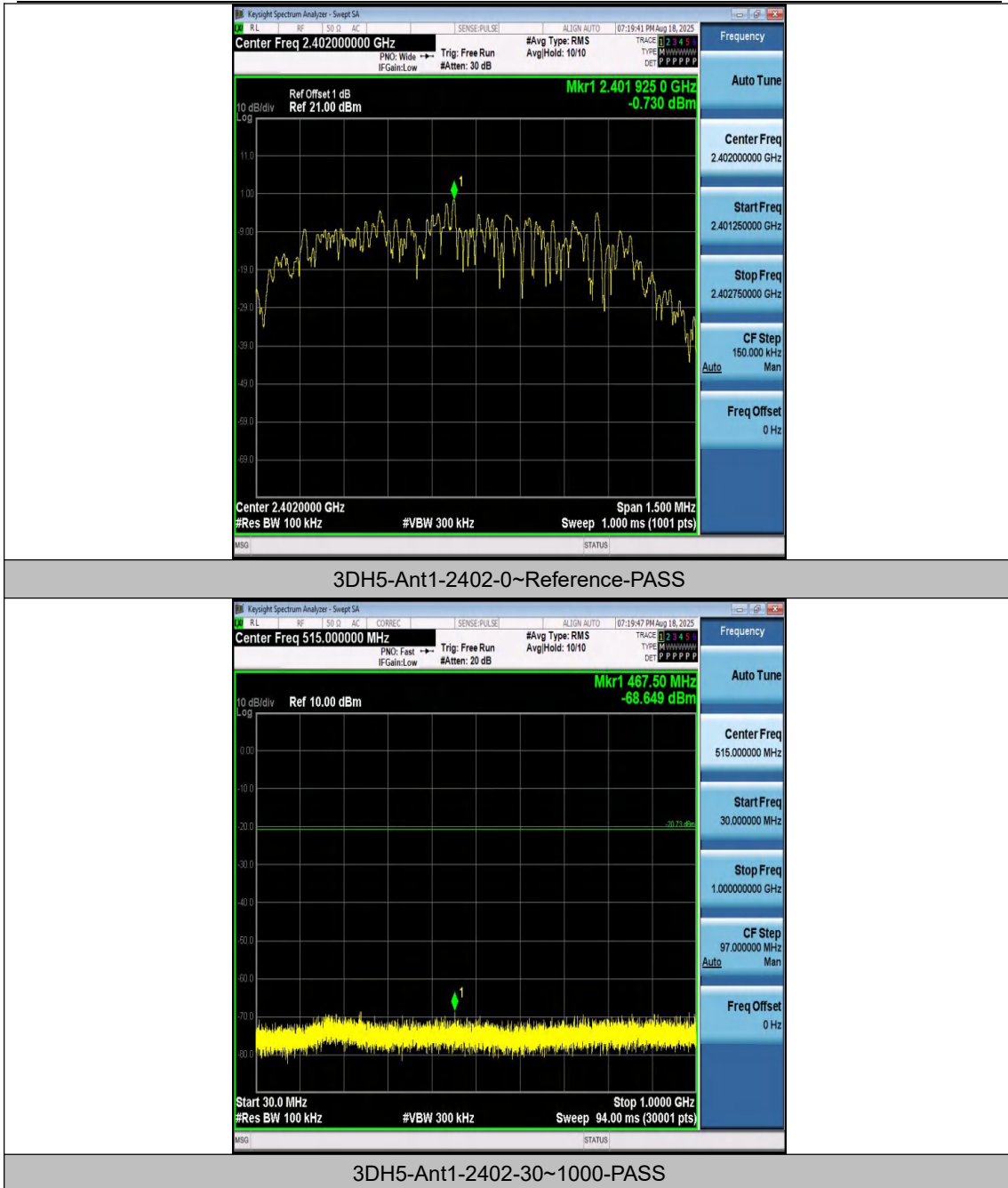


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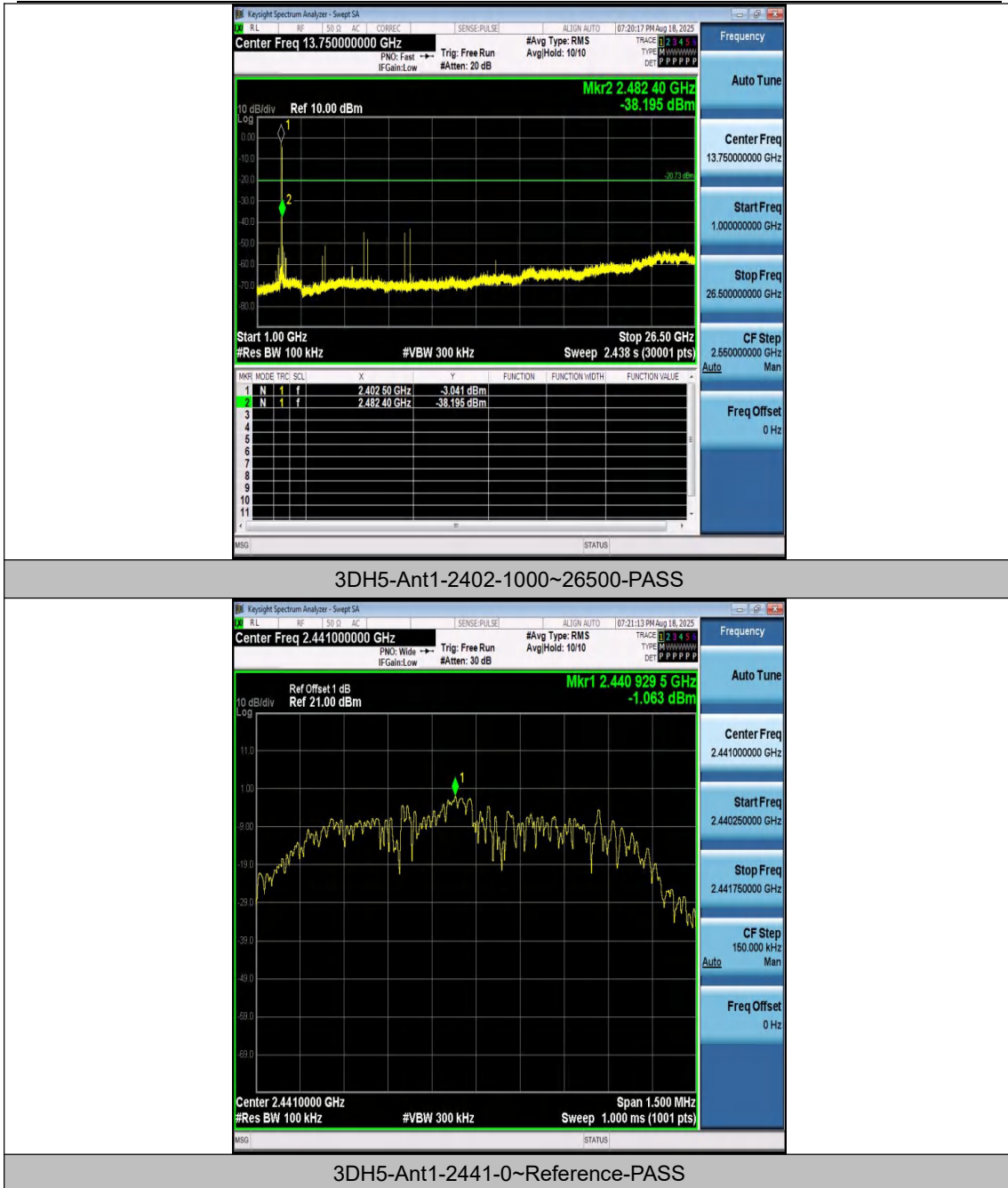




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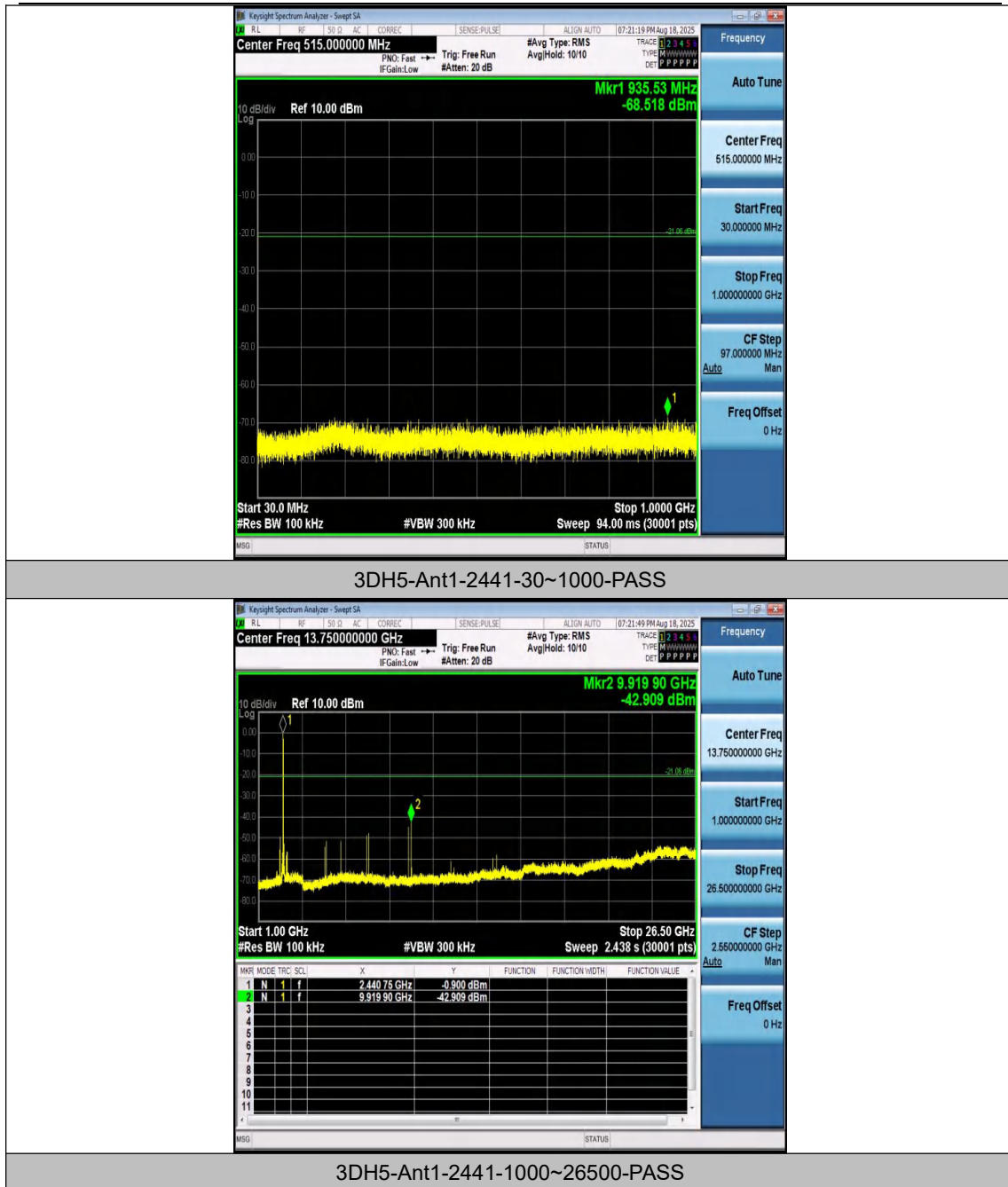
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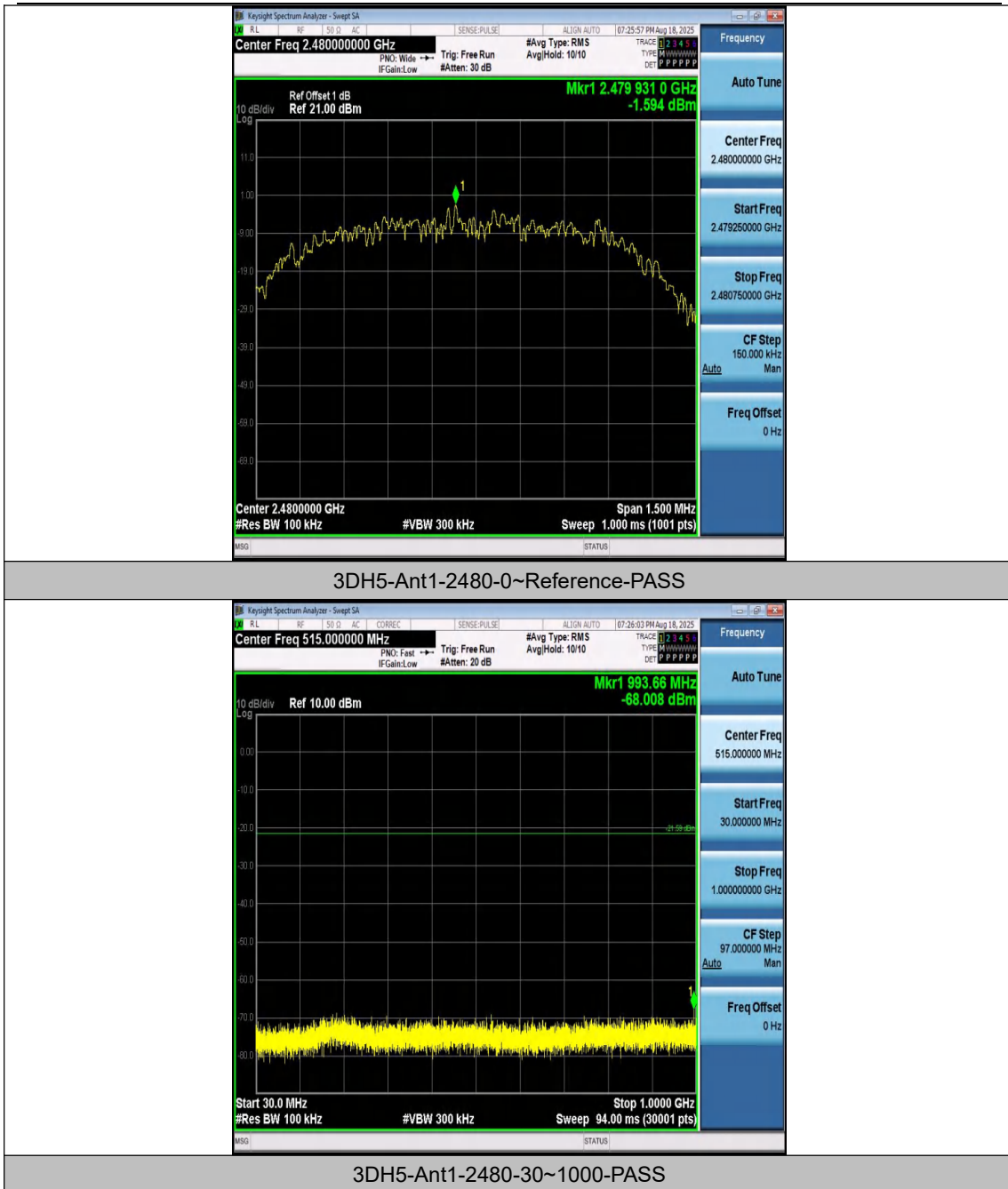
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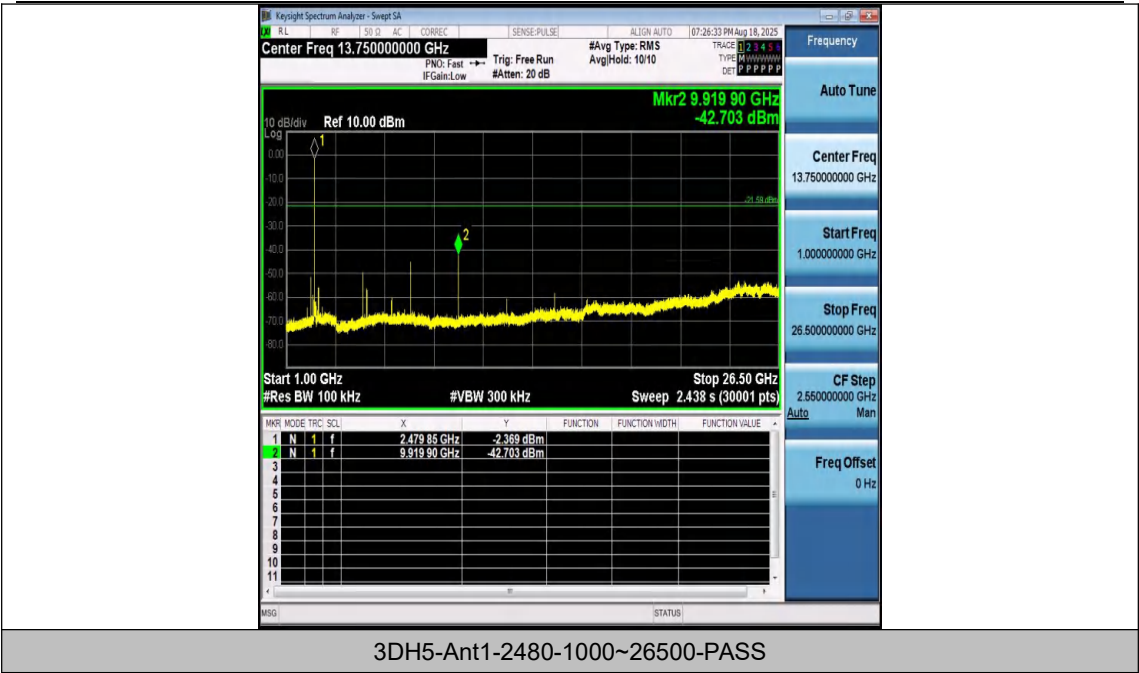
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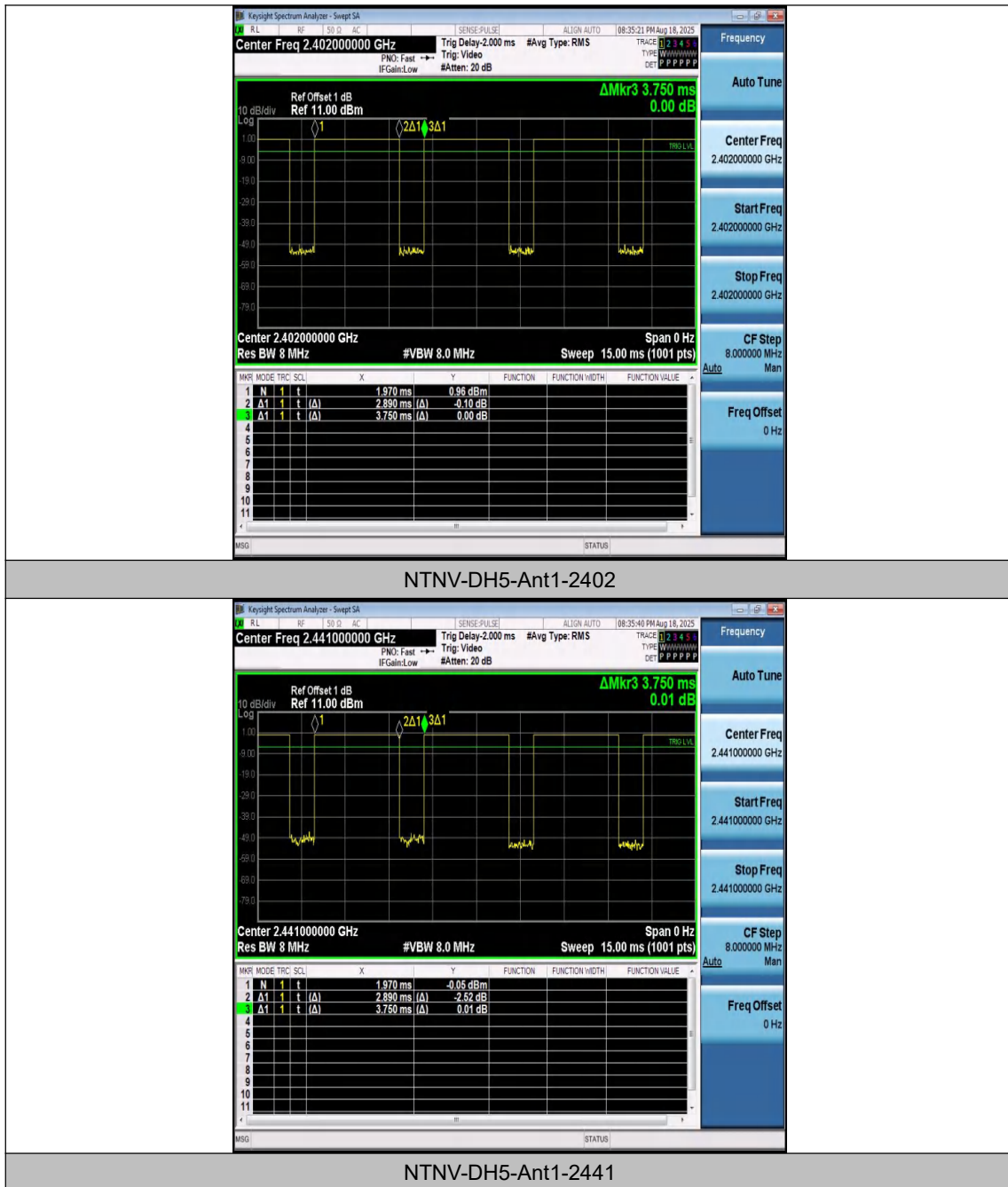
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.90	3.75	77.33	1.12
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	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs



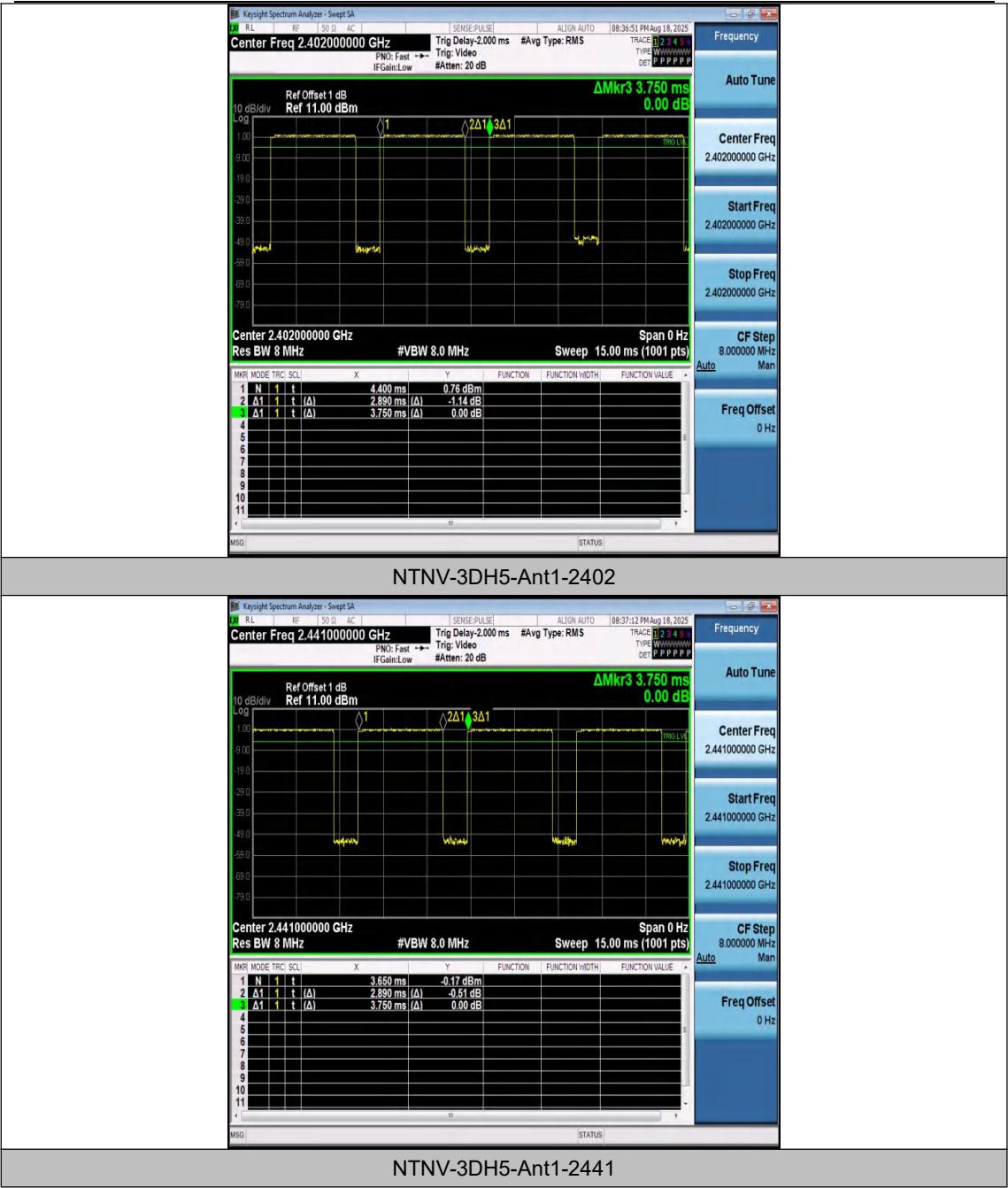
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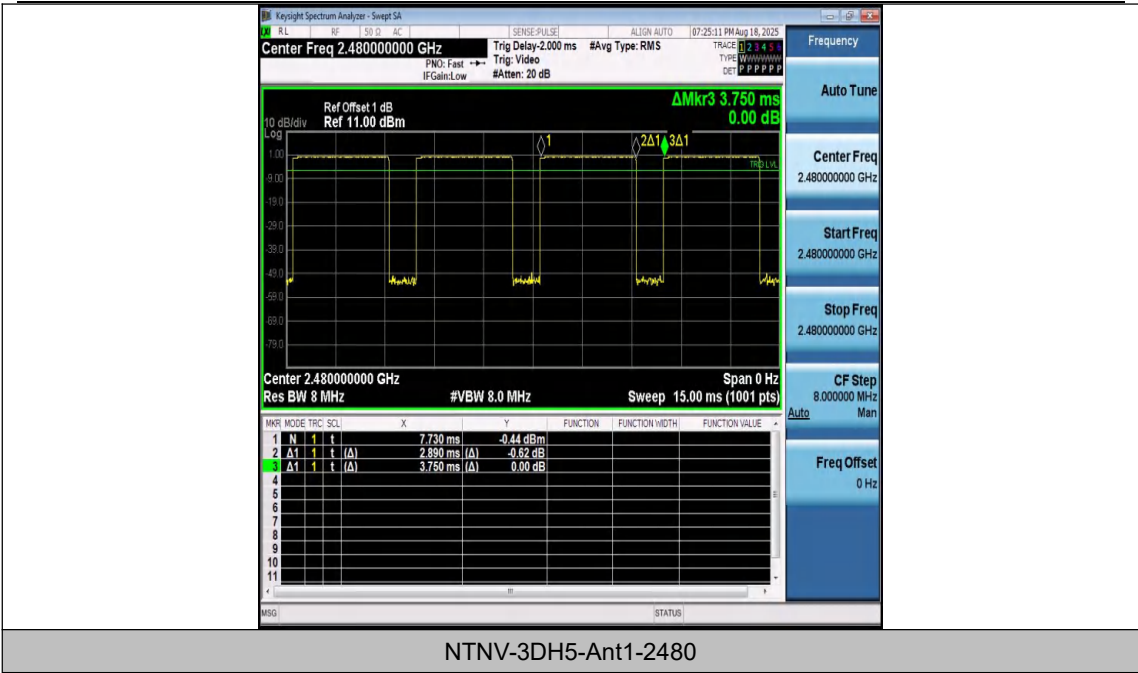
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