

Appendix Test Data

Report No.:	1819C50031612501	Test Sample No.:	1-2-2
Start Test Date:	2025.04.11	Finish Test Date:	2025.04.11
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	46%
Pressure:	101kPa		

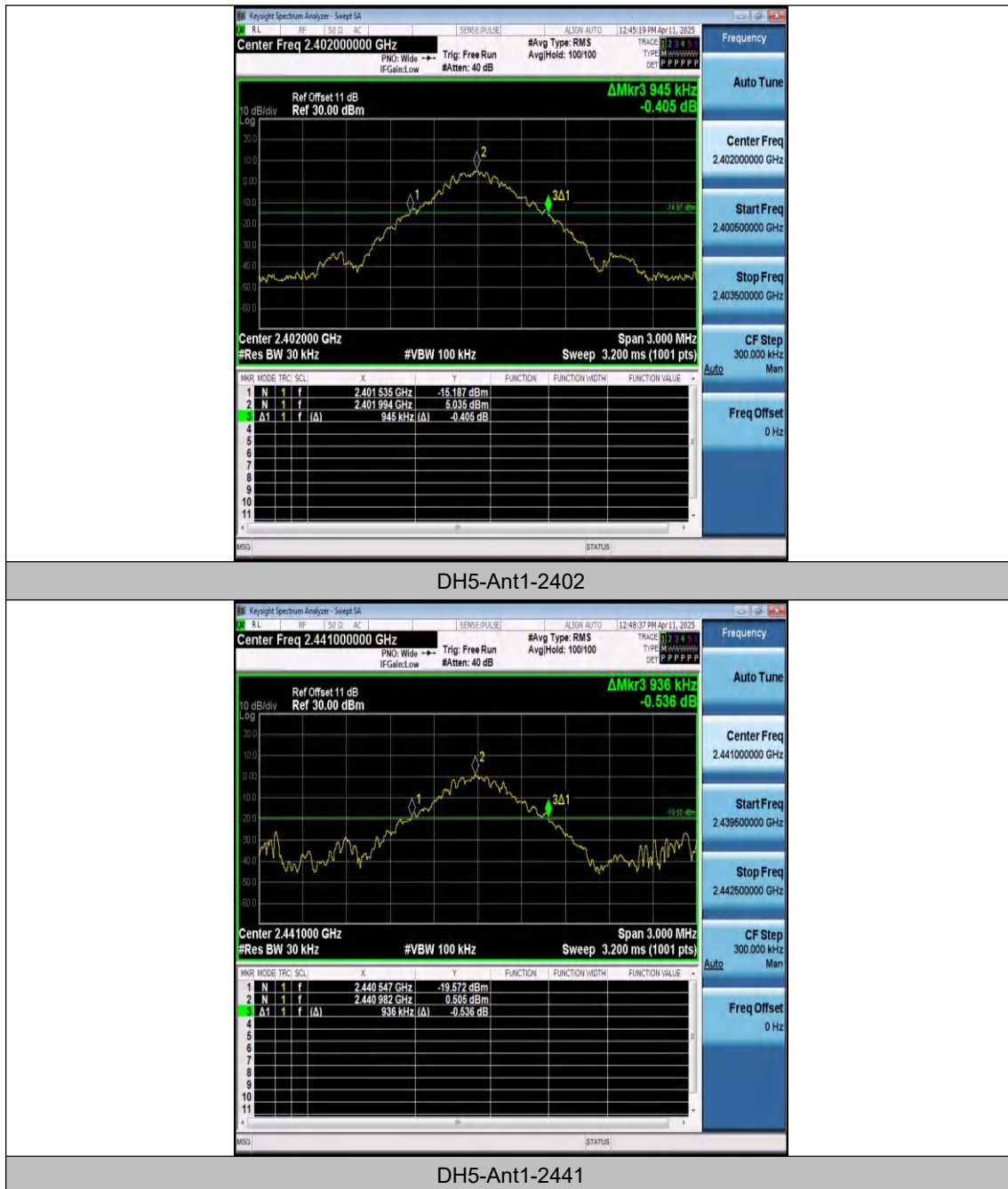
Appendix A: 20dB Bandwidth

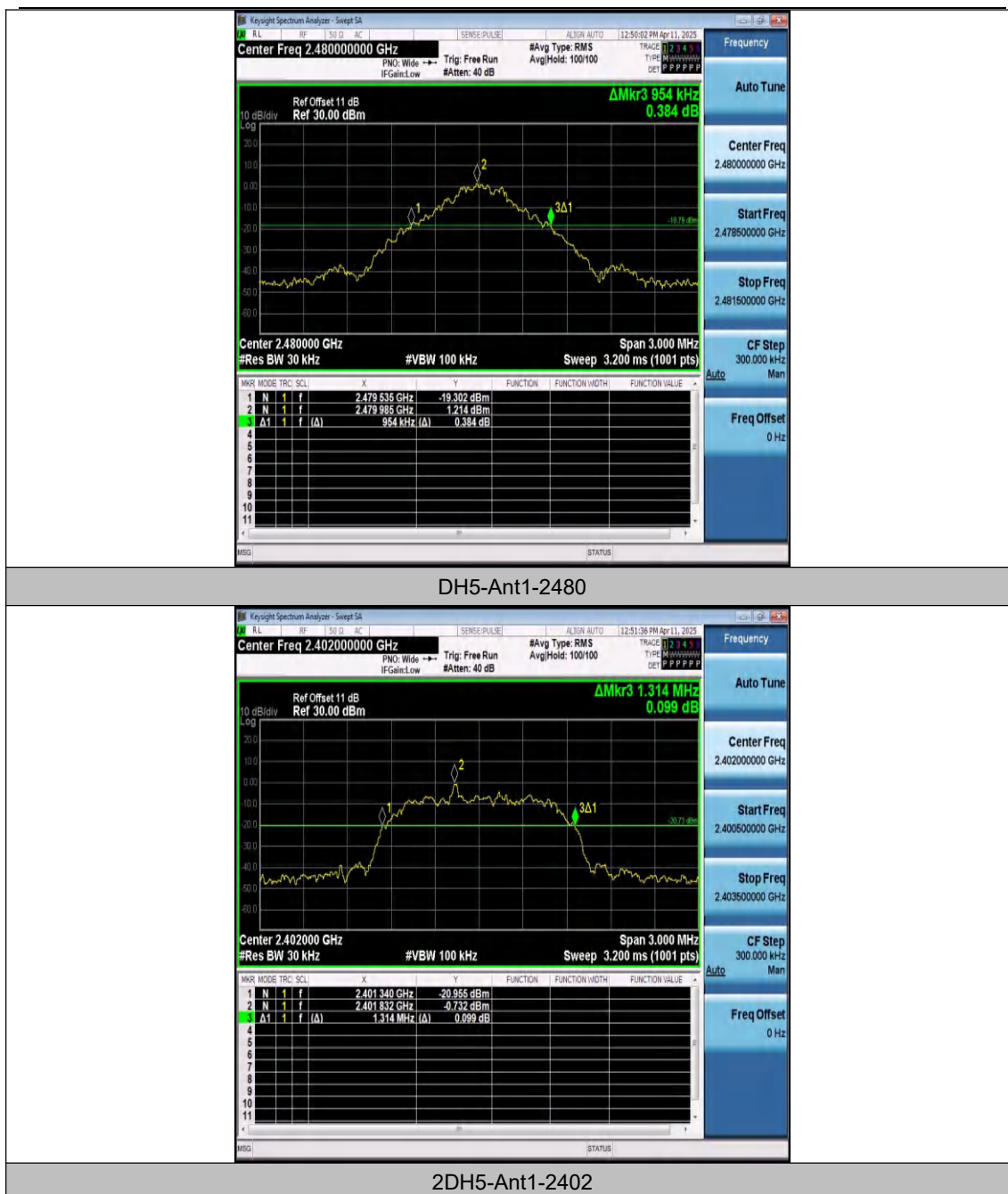
Test Result

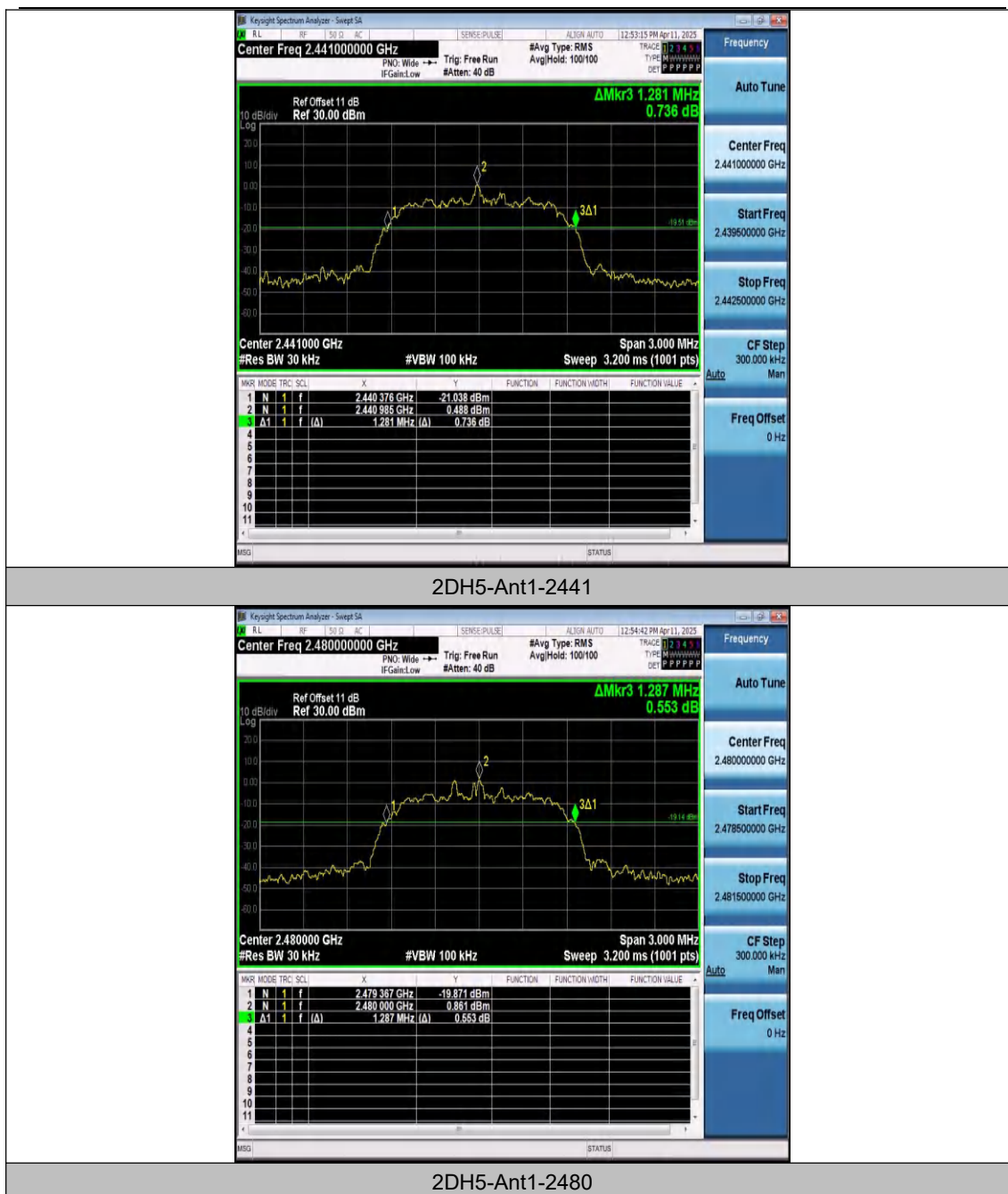
Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.535	2402.480	---	---
DH5	Ant1	2441	0.936	2440.547	2441.483	---	---
DH5	Ant1	2480	0.954	2479.535	2480.489	---	---
2DH5	Ant1	2402	1.314	2401.340	2402.654	---	---
2DH5	Ant1	2441	1.281	2440.376	2441.657	---	---
2DH5	Ant1	2480	1.287	2479.367	2480.654	---	---
3DH5	Ant1	2402	1.320	2401.343	2402.663	---	---
3DH5	Ant1	2441	1.323	2440.343	2441.666	---	---
3DH5	Ant1	2480	1.335	2479.337	2480.672	---	---



Test Graphs







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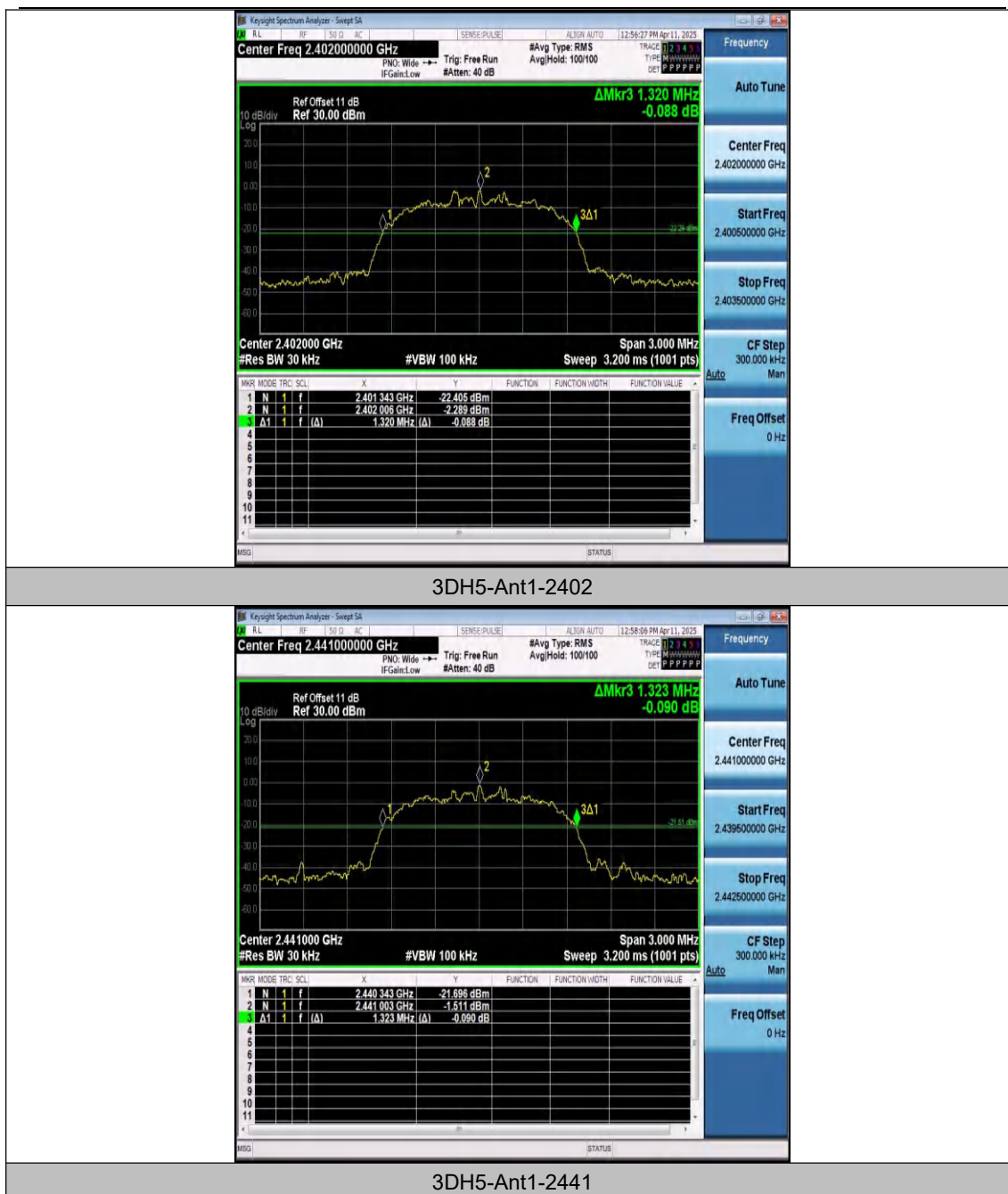
Tel: (86) 0755-26066440 Email: service@anbotek.com

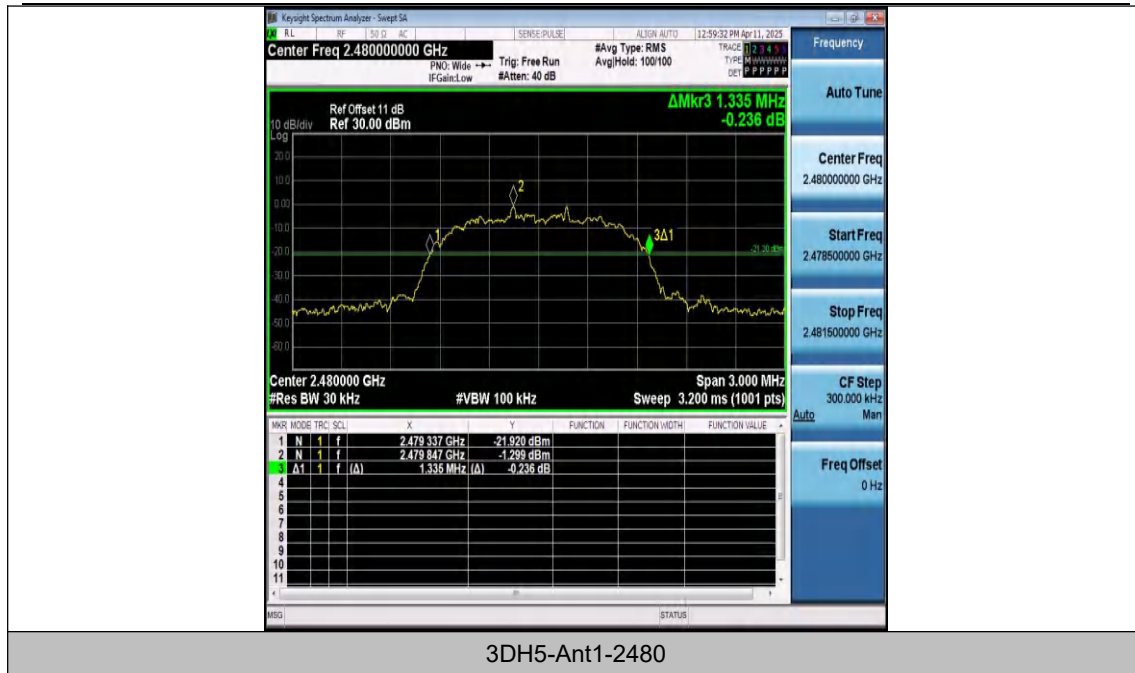


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86973	2401.5662	2402.4359	---	---
DH5	Ant1	2441	0.88526	2440.5616	2441.4469	---	---
DH5	Ant1	2480	0.87798	2479.5618	2480.4398	---	---
2DH5	Ant1	2402	1.1897	2401.4058	2402.5955	---	---
2DH5	Ant1	2441	1.1928	2440.4078	2441.6006	---	---
2DH5	Ant1	2480	1.1910	2479.4061	2480.5971	---	---
3DH5	Ant1	2402	1.1808	2401.4120	2402.5928	---	---
3DH5	Ant1	2441	1.1785	2440.4163	2441.5948	---	---
3DH5	Ant1	2480	1.1967	2479.4027	2480.5994	---	---



Test Graphs



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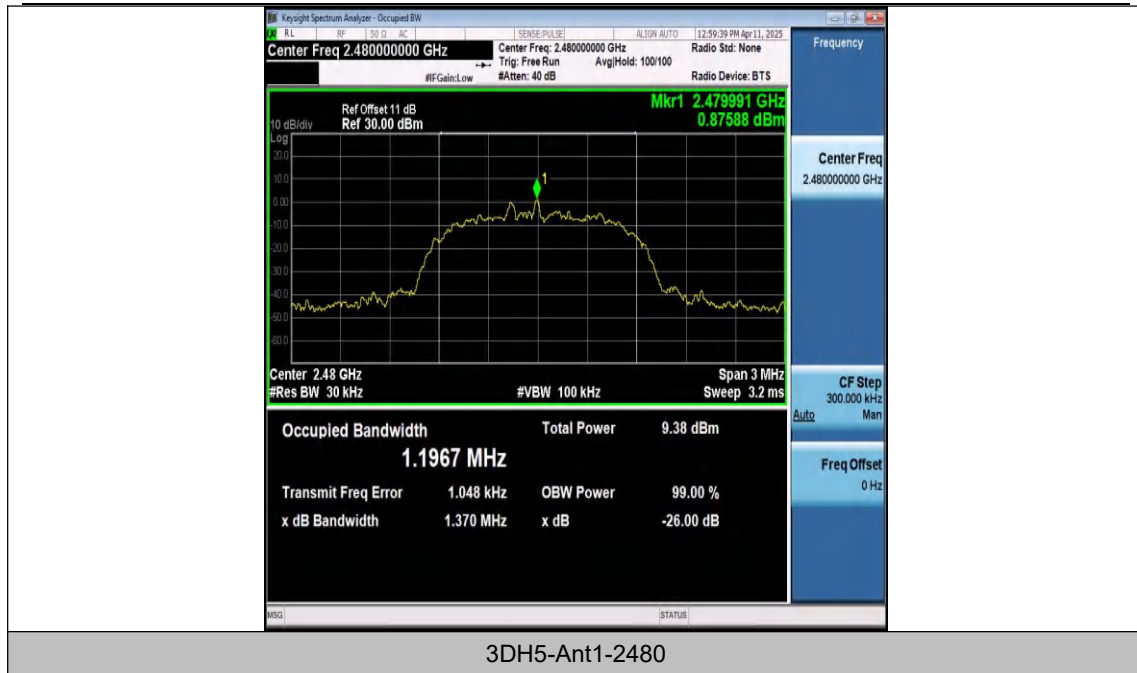
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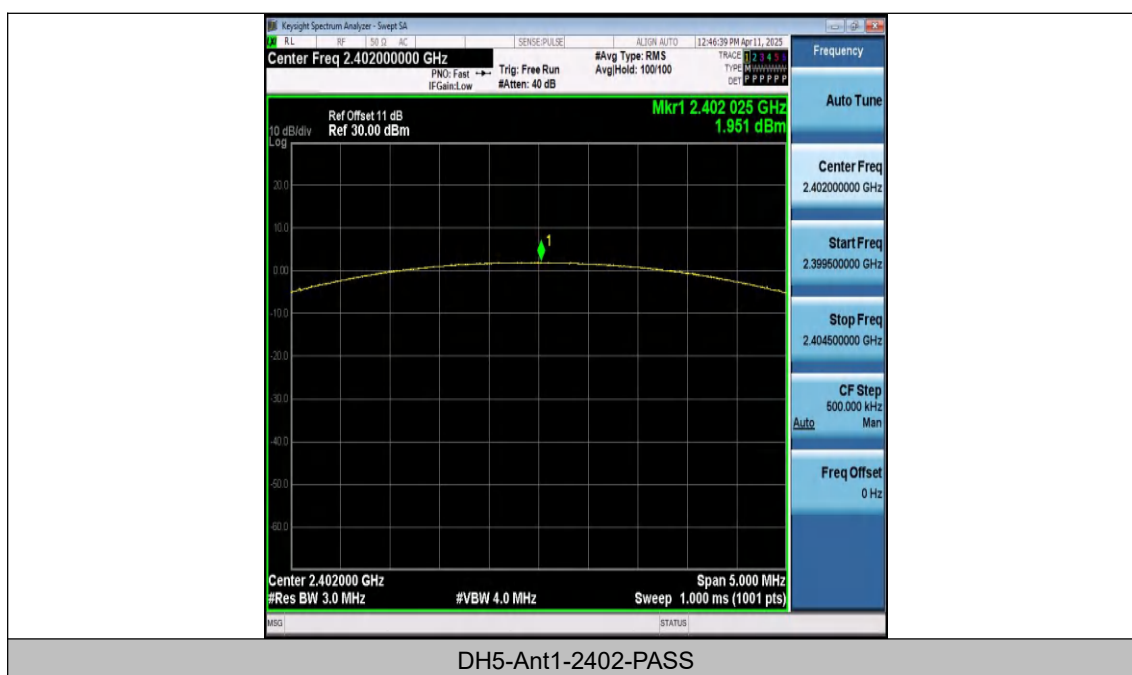
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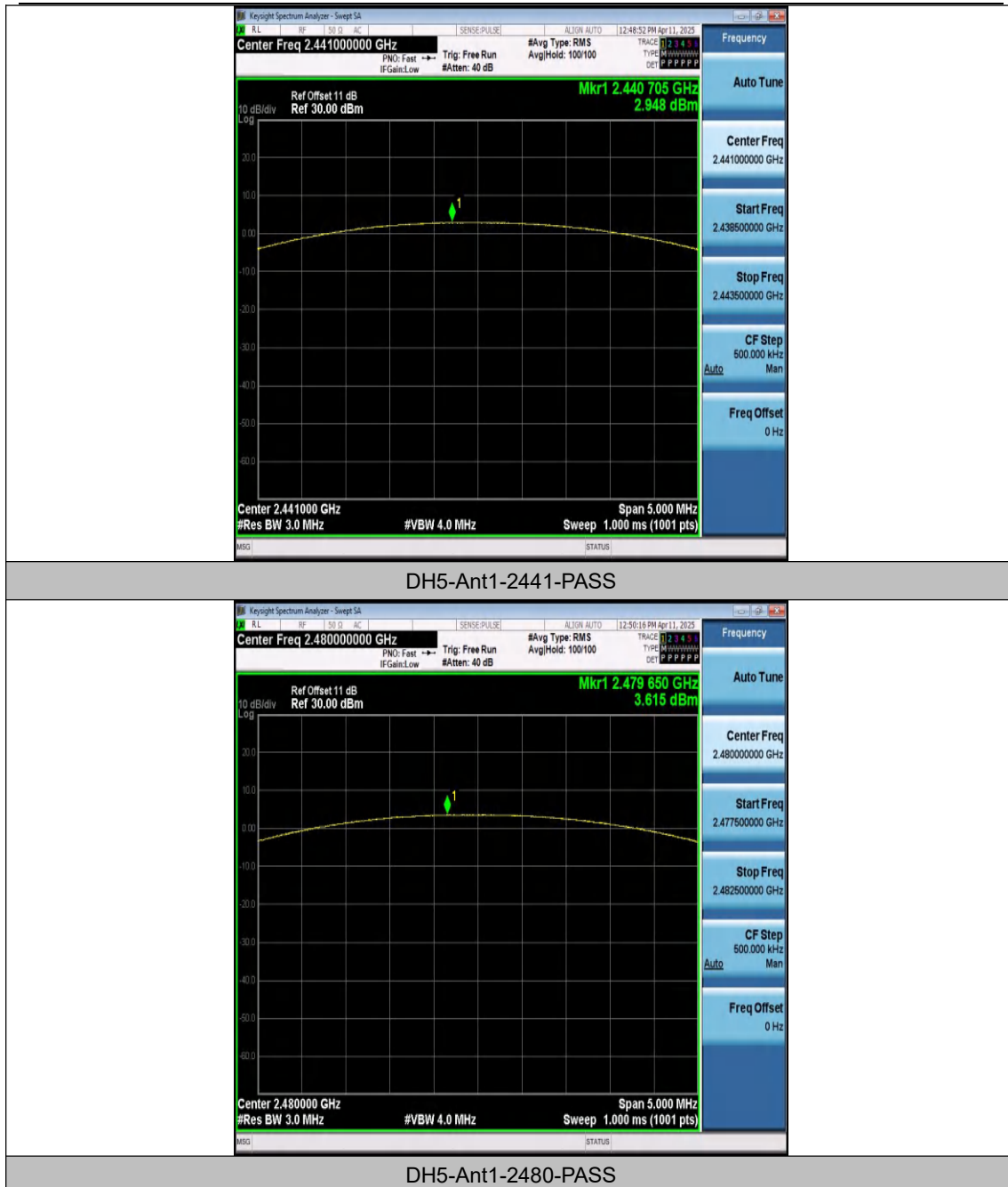
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.95	≤20.97	PASS
DH5	Ant1	2441	2.95	≤20.97	PASS
DH5	Ant1	2480	3.62	≤20.97	PASS
2DH5	Ant1	2402	3.05	≤20.97	PASS
2DH5	Ant1	2441	3.76	≤20.97	PASS
2DH5	Ant1	2480	4.46	≤20.97	PASS
3DH5	Ant1	2402	3.52	≤20.97	PASS
3DH5	Ant1	2441	4.15	≤20.97	PASS
3DH5	Ant1	2480	4.87	≤20.97	PASS

Test Graphs

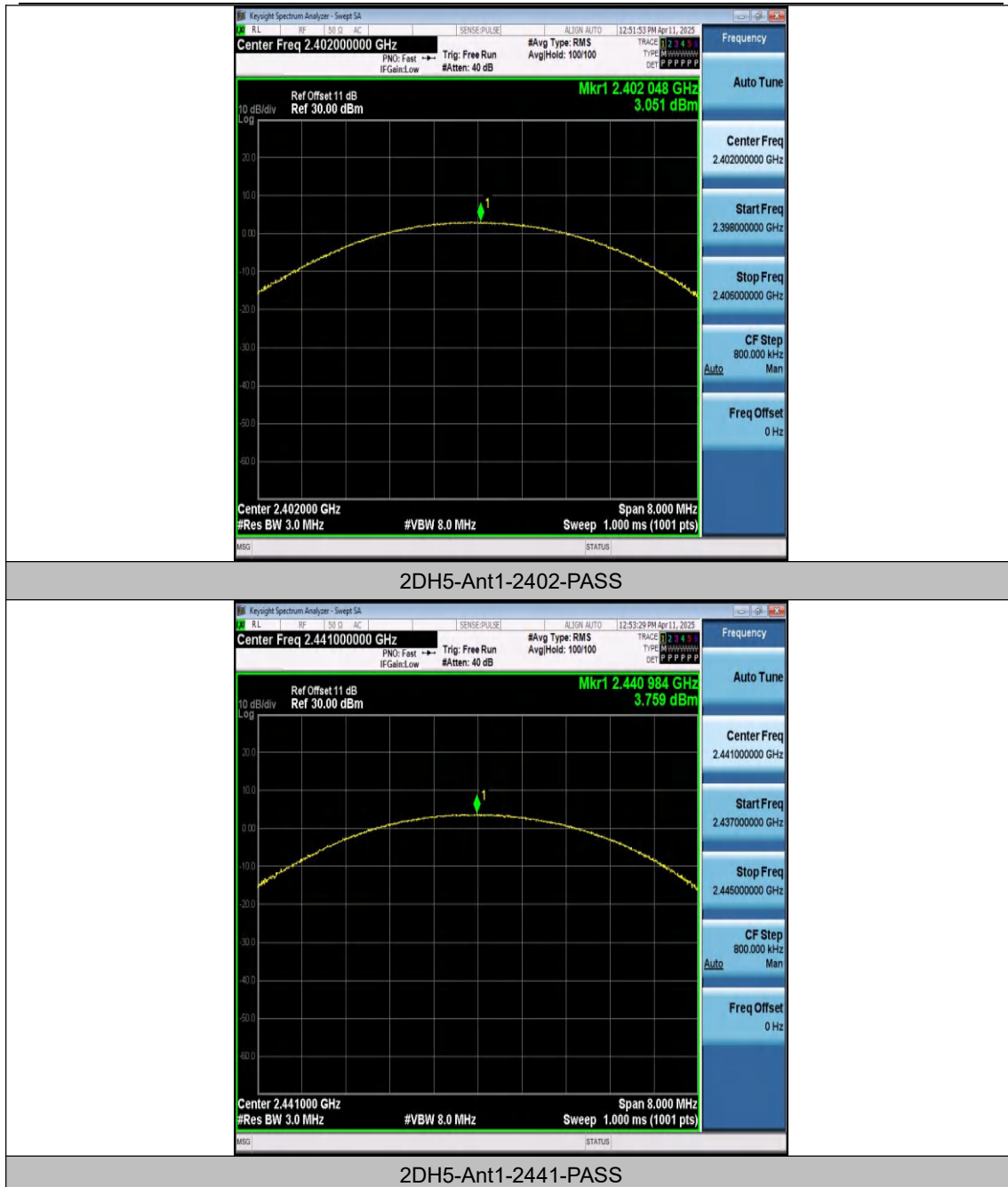




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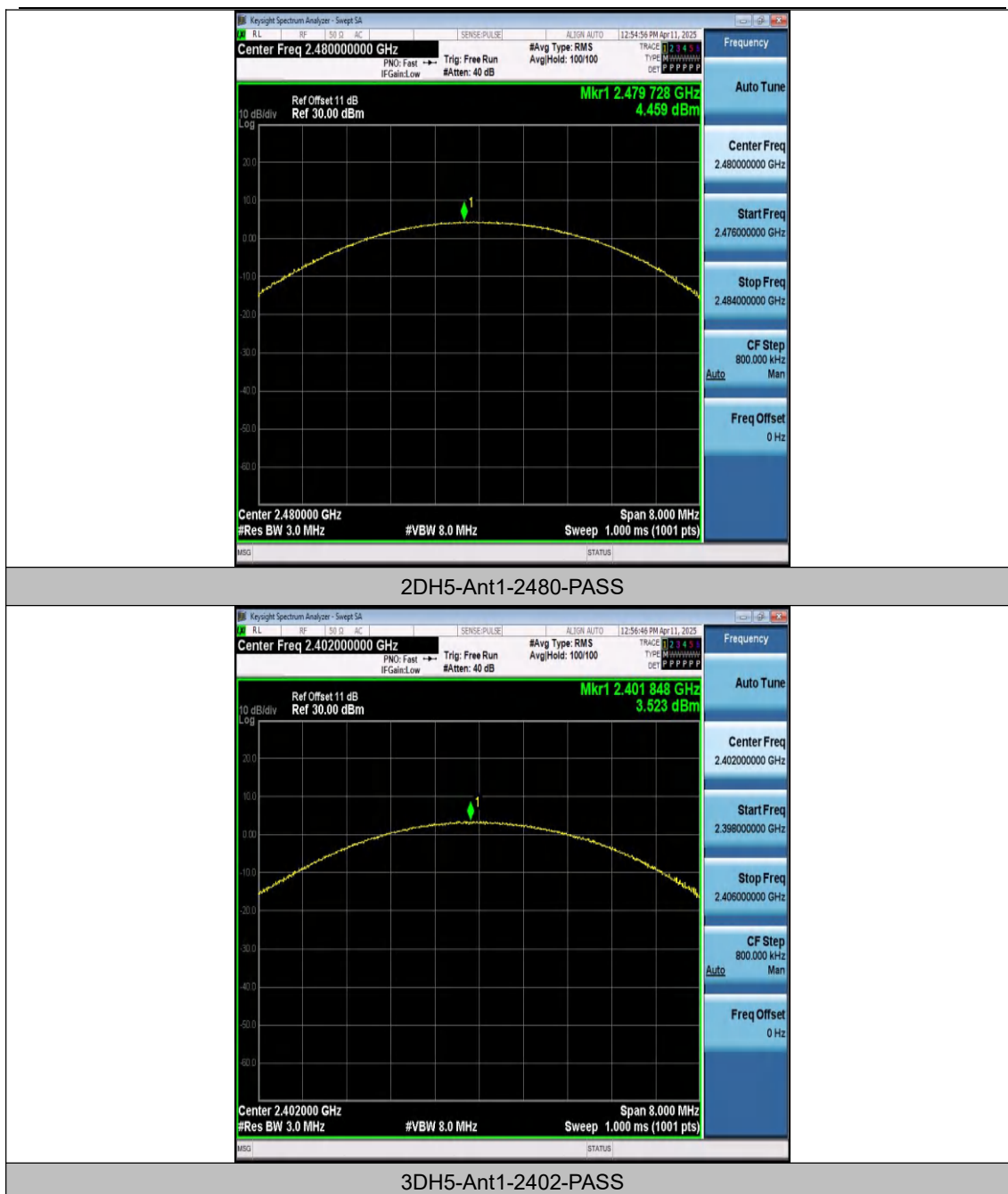
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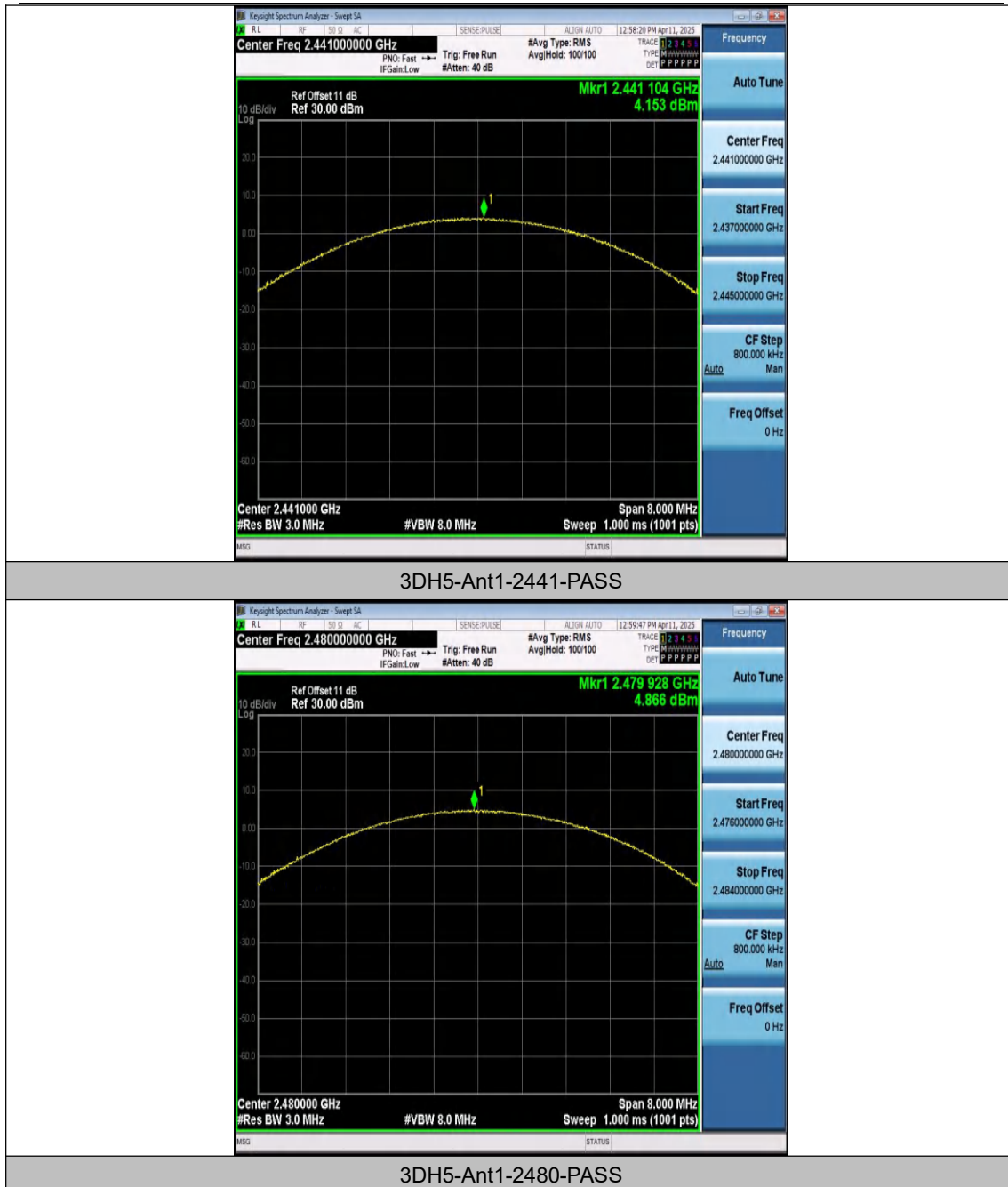
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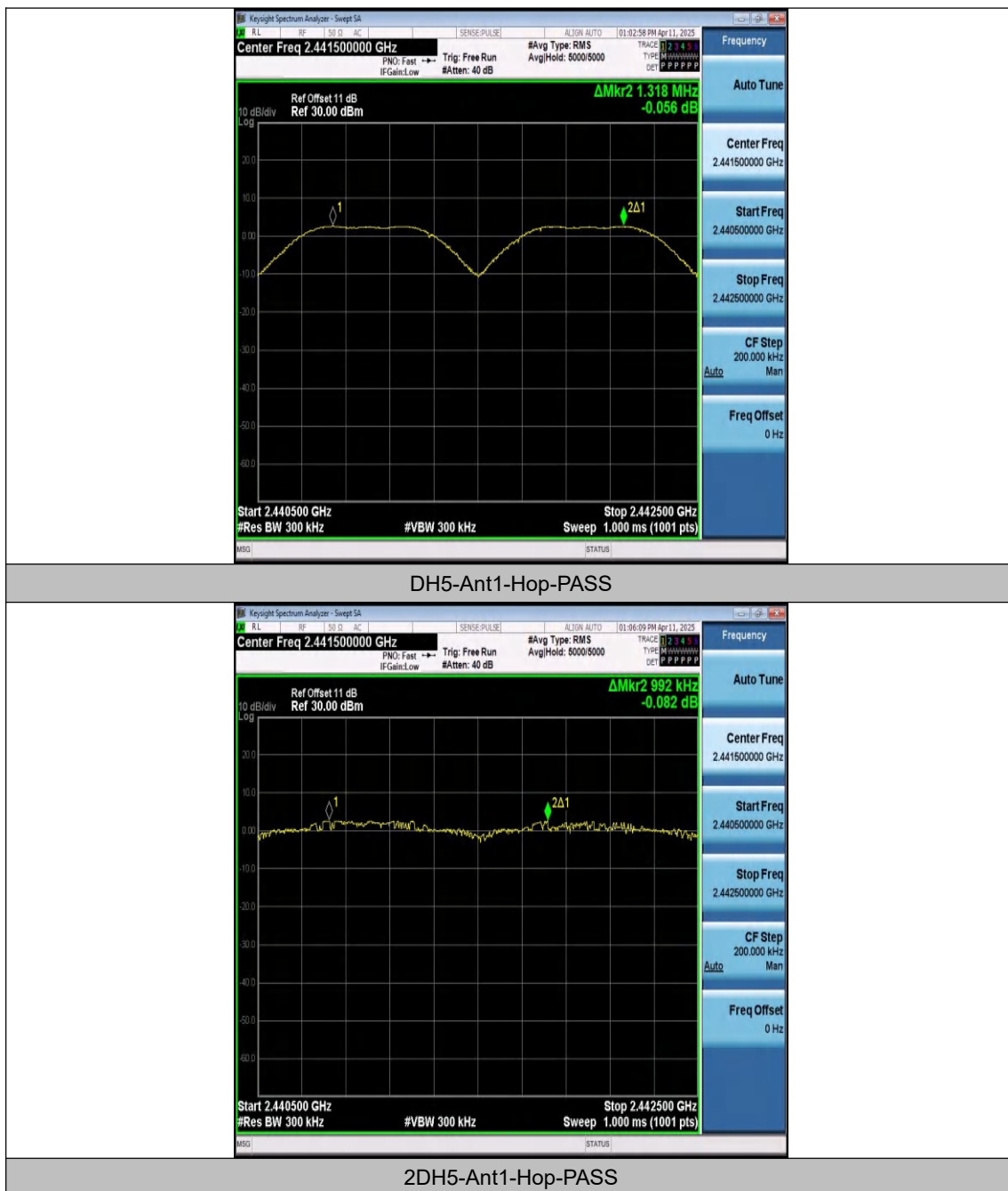
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.318	≥0.954	PASS
2DH5	Ant1	Hop	0.992	≥0.876	PASS
3DH5	Ant1	Hop	1.028	≥0.890	PASS

Test Graphs



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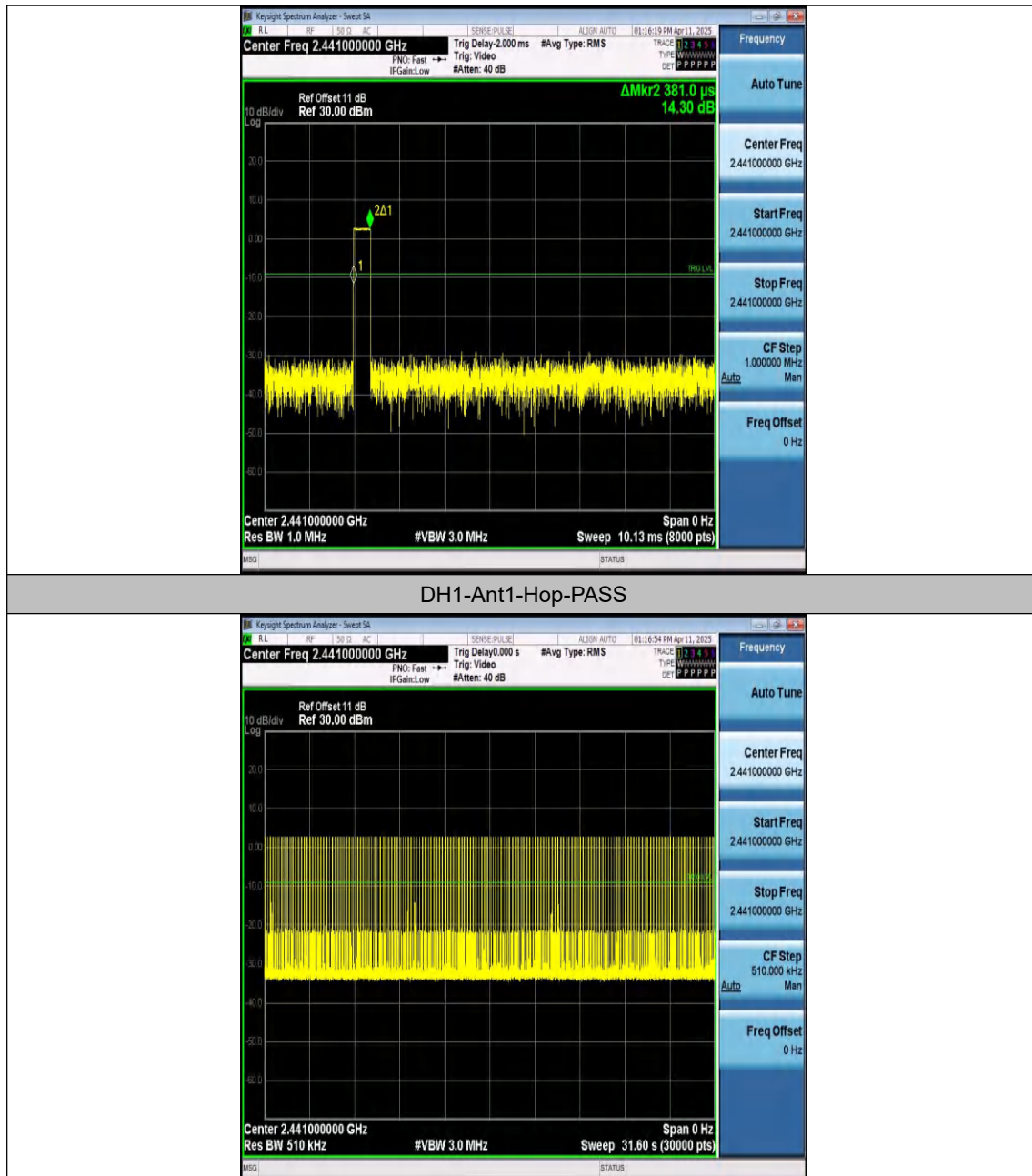
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.381	316	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.638	156	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.884	116	0.335	≤0.4	PASS
2DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.642	158	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.889	91	0.263	≤0.4	PASS
3DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.642	155	0.255	≤0.4	PASS
3DH5	Ant1	Hop	2.892	98	0.283	≤0.4	PASS

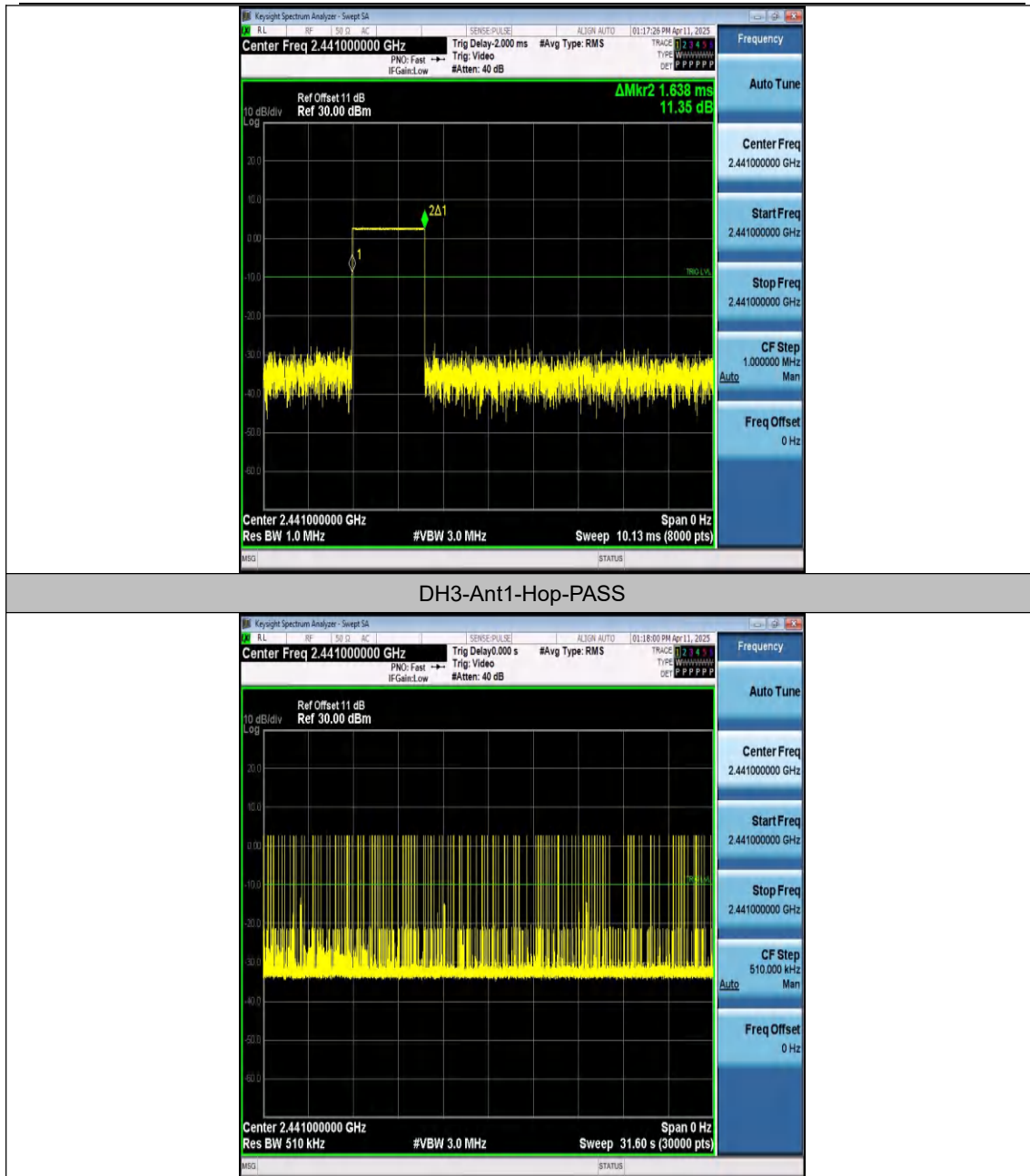
Test Graphs



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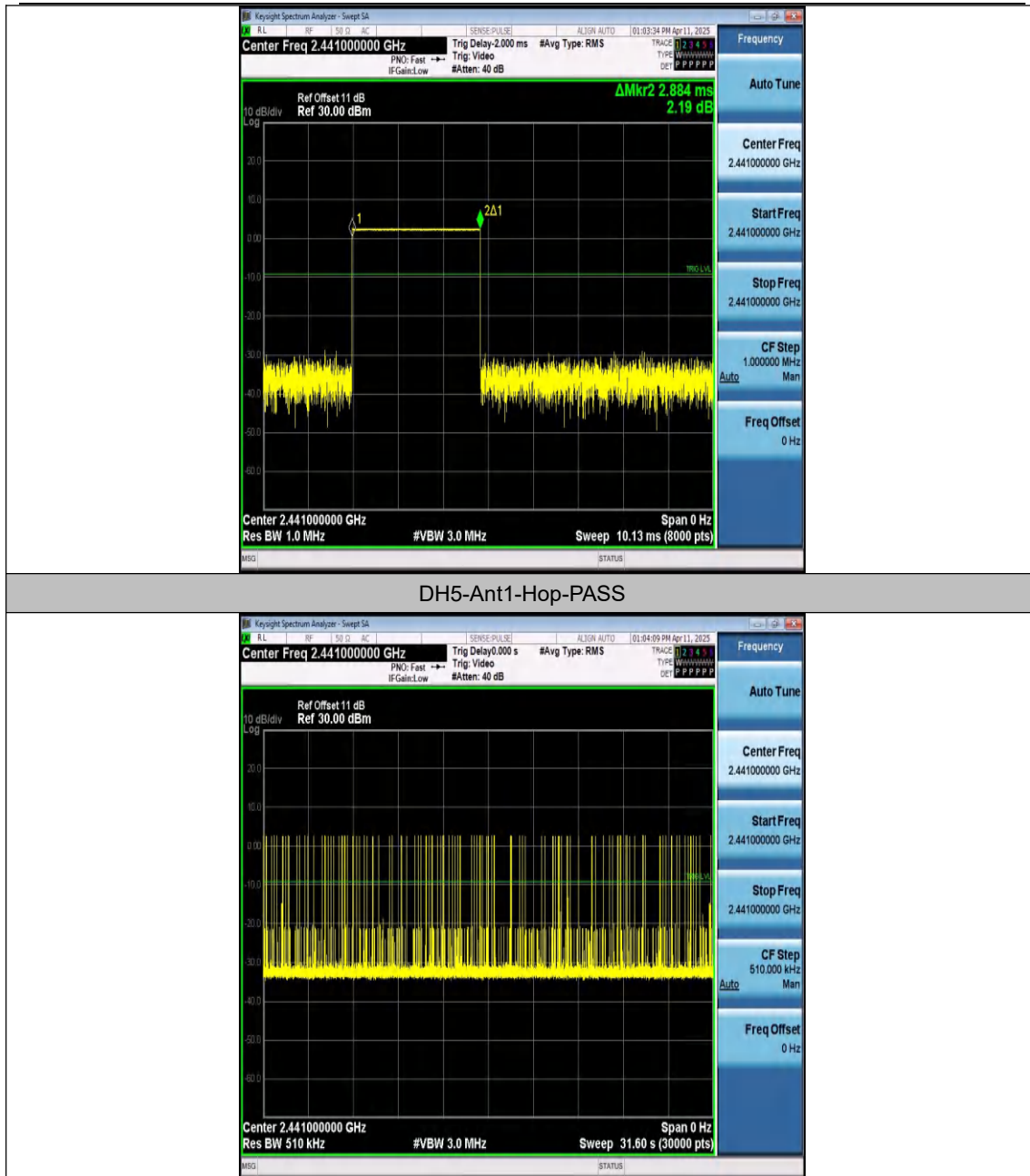
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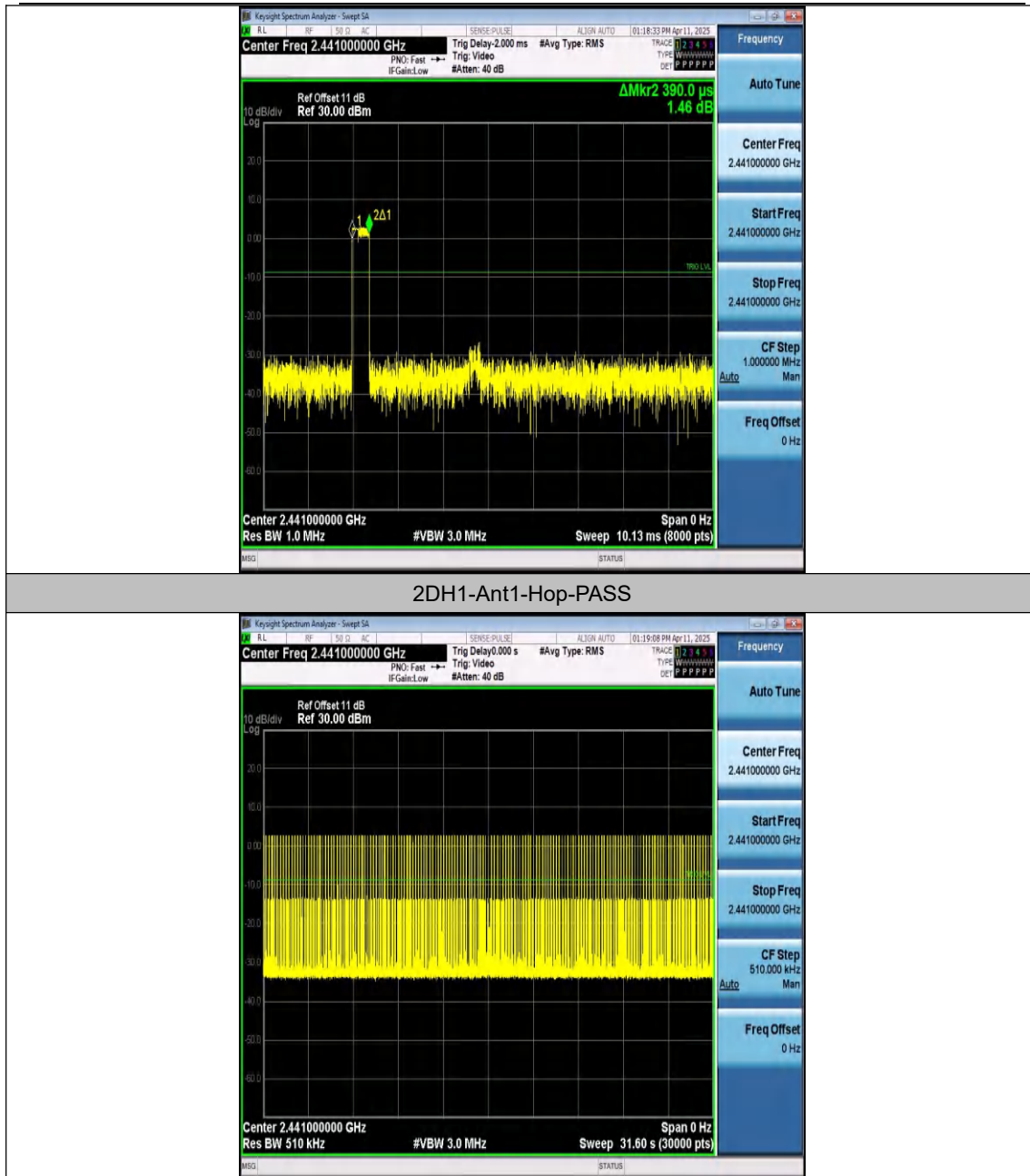
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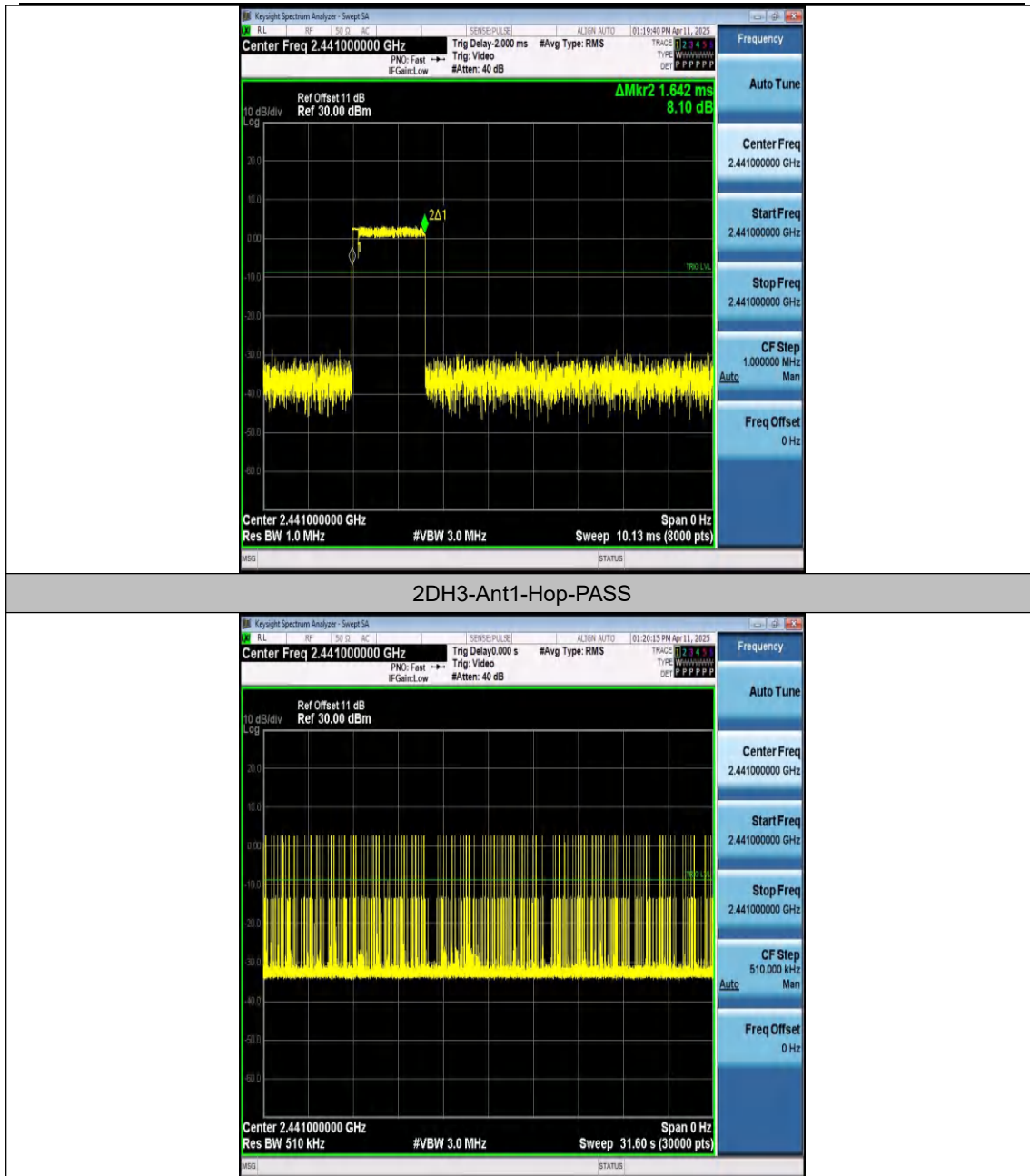


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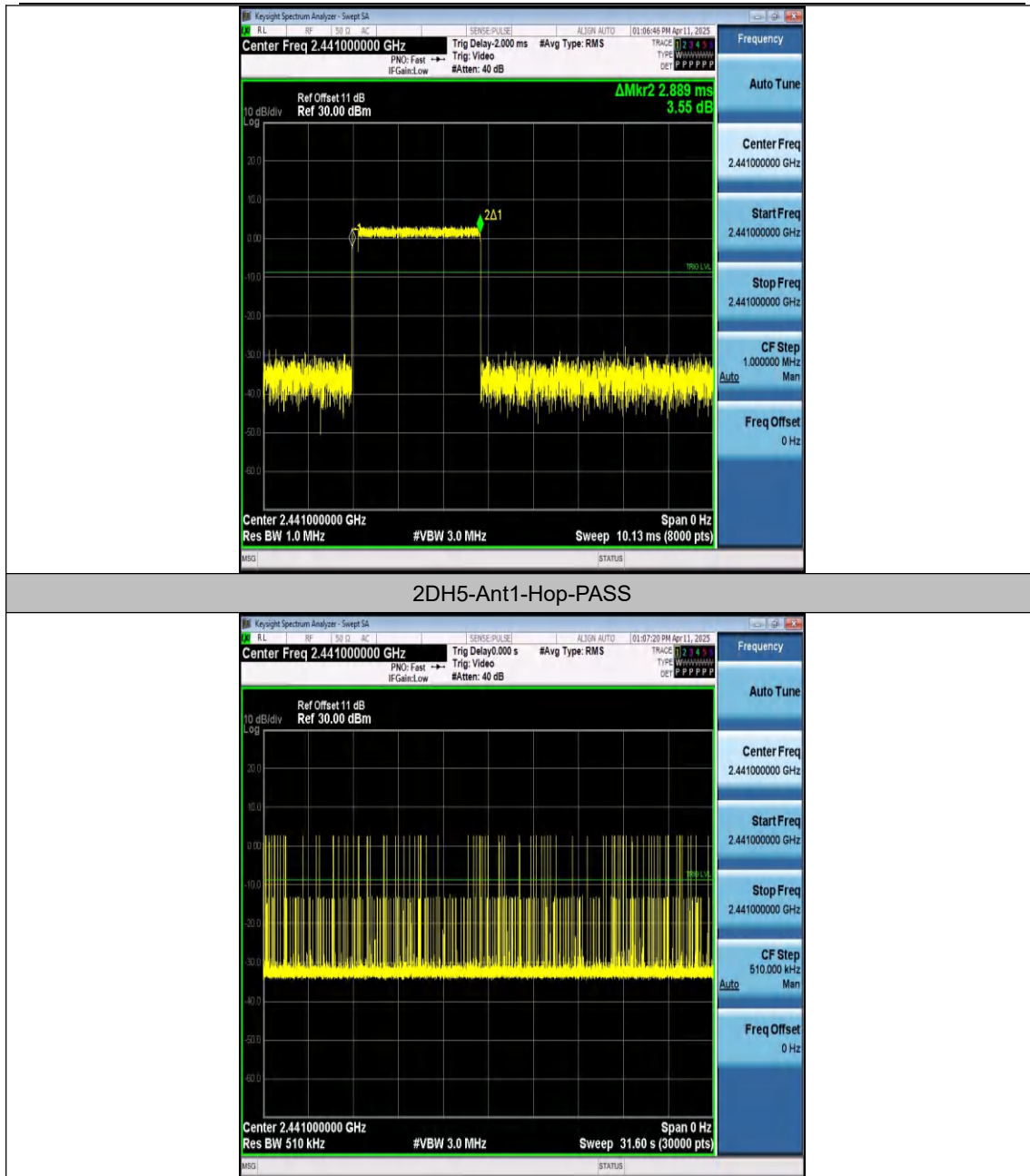


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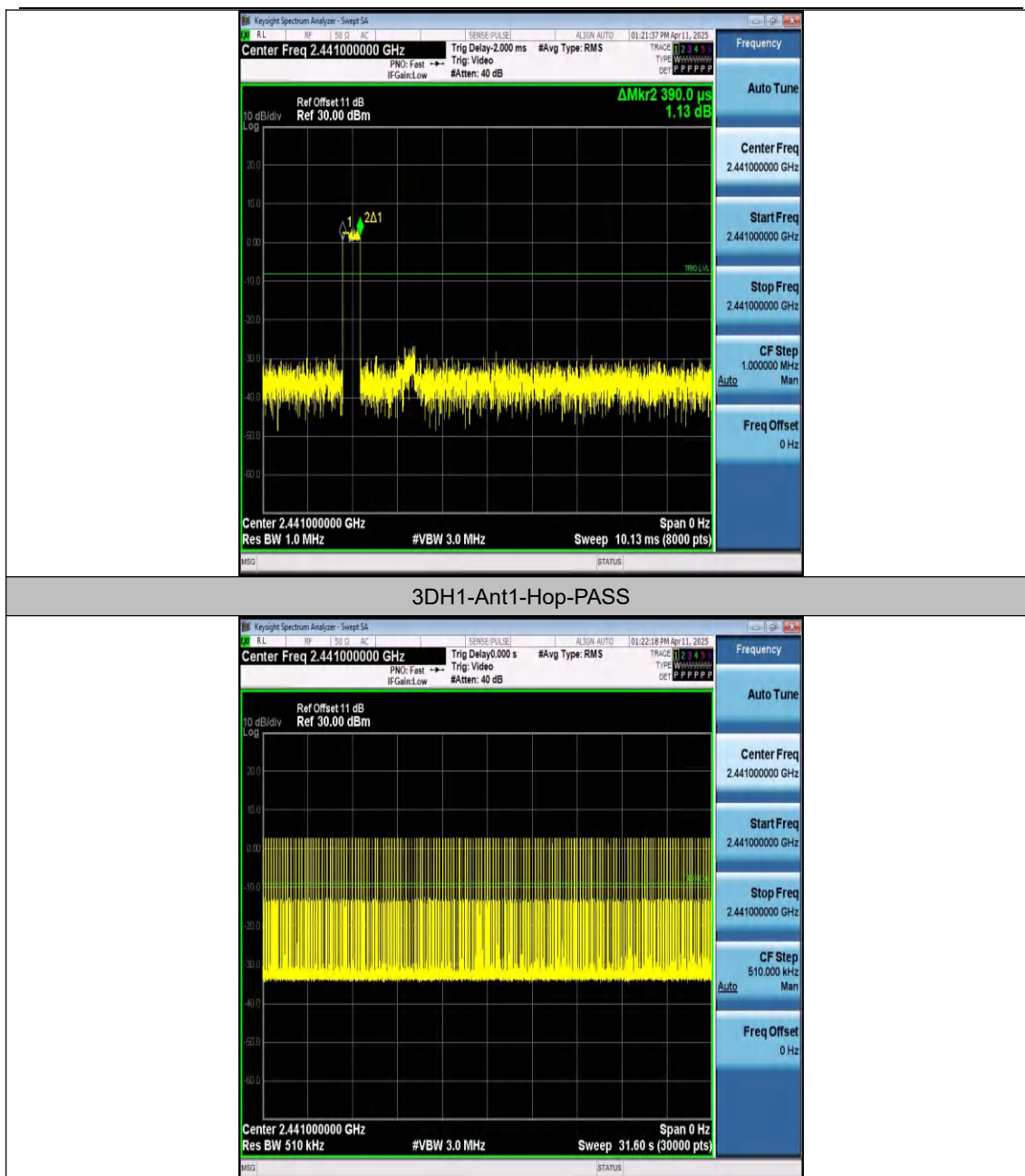


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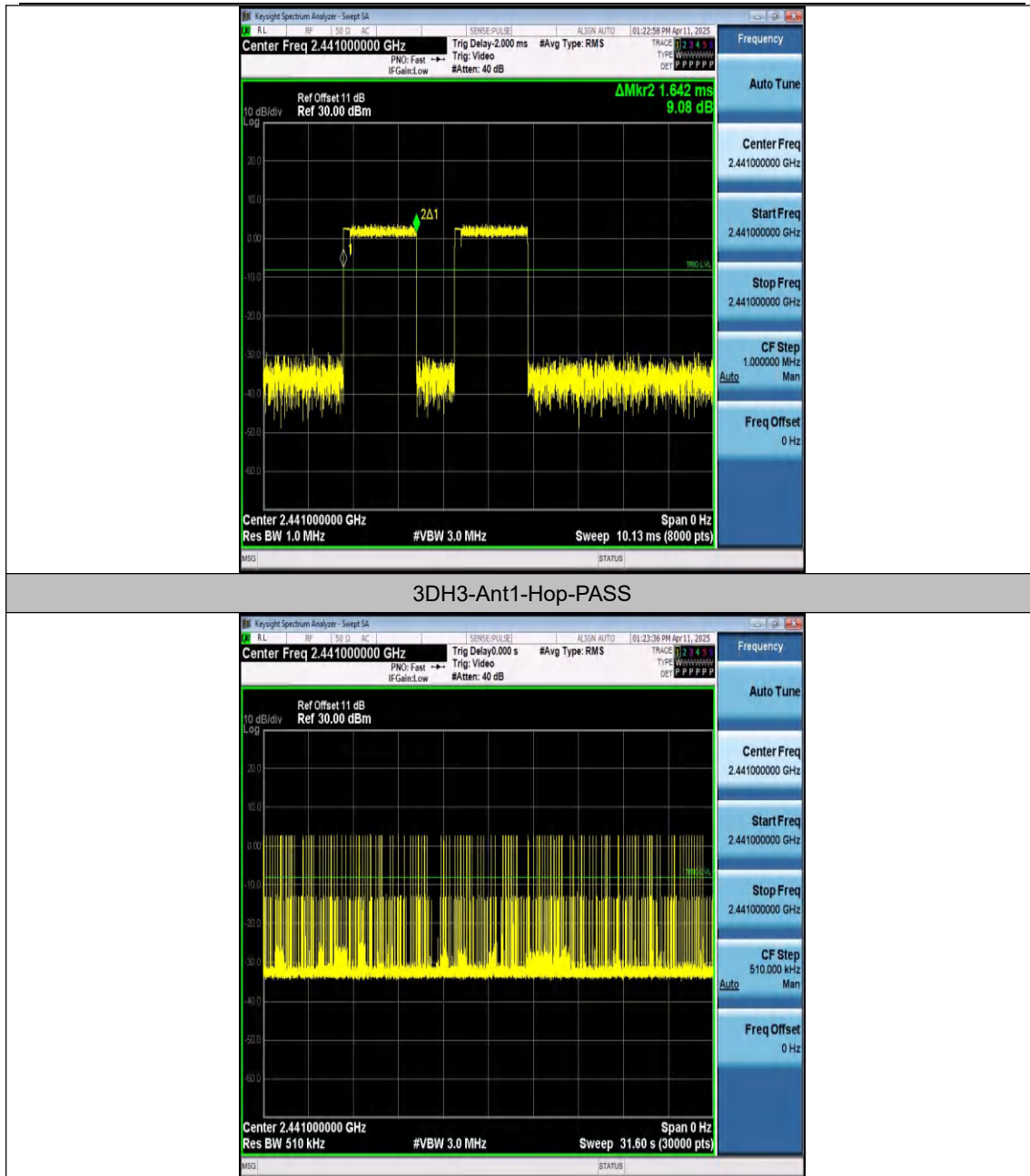


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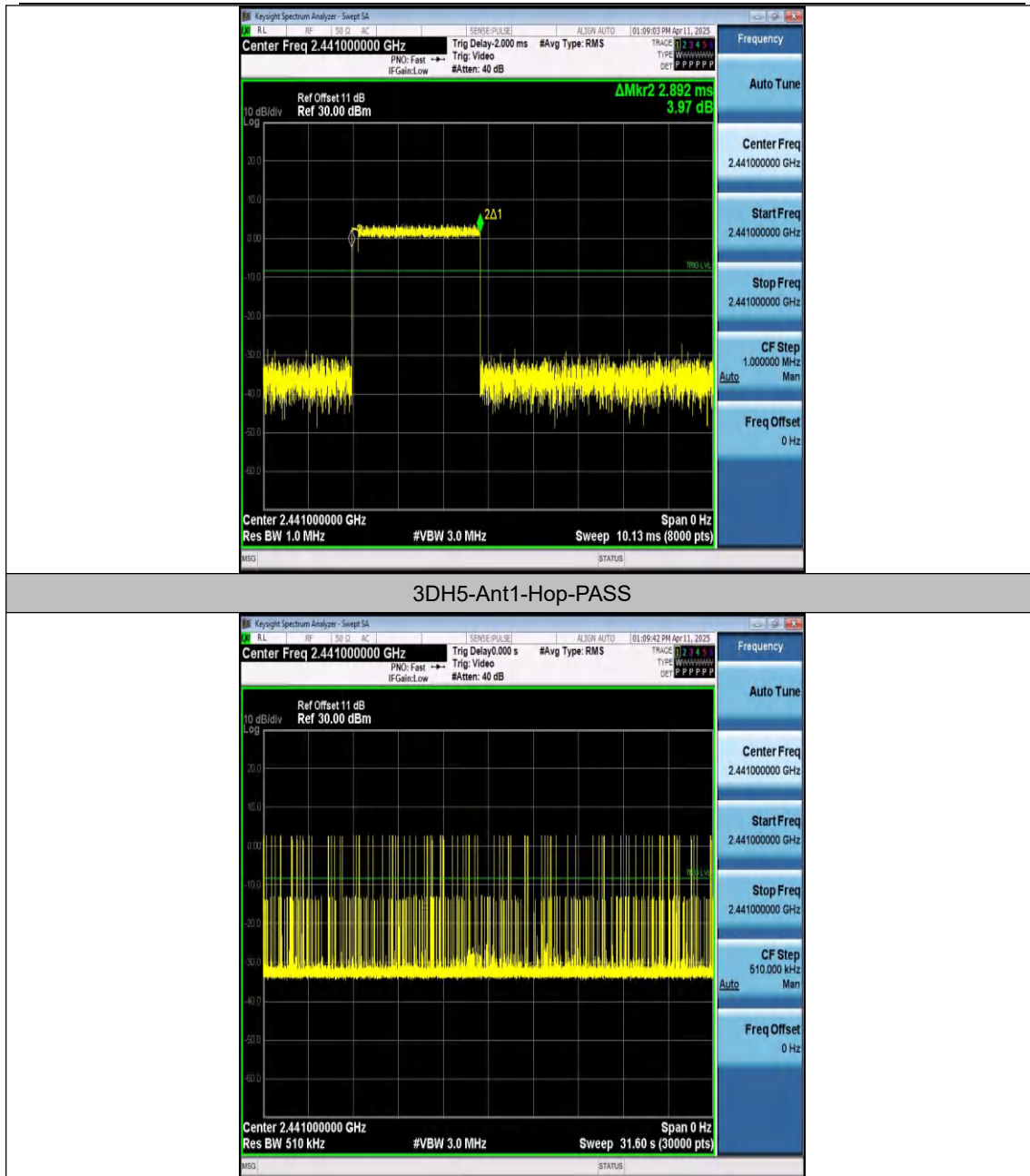
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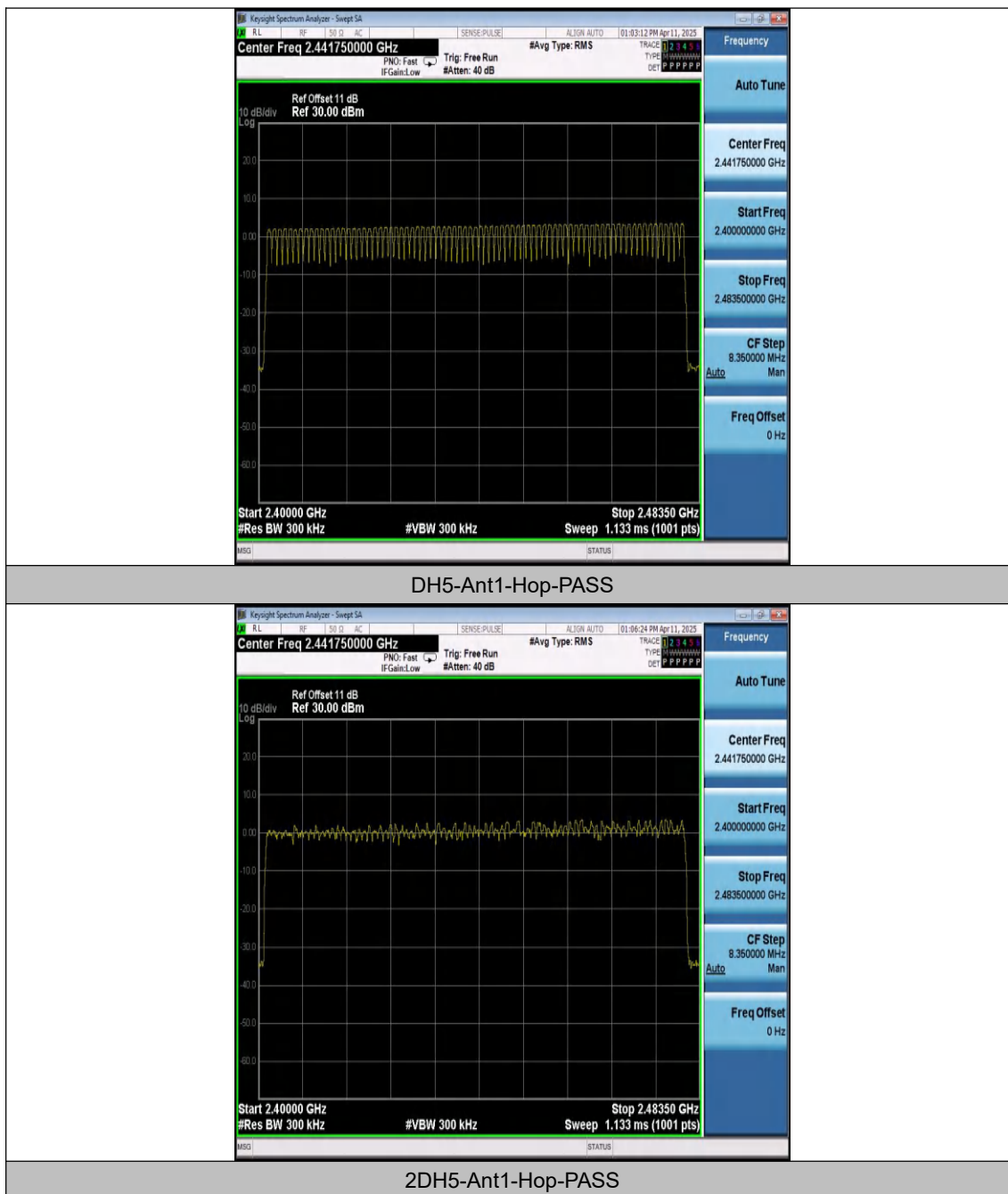
Appendix F: Number of Hopping Channel

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



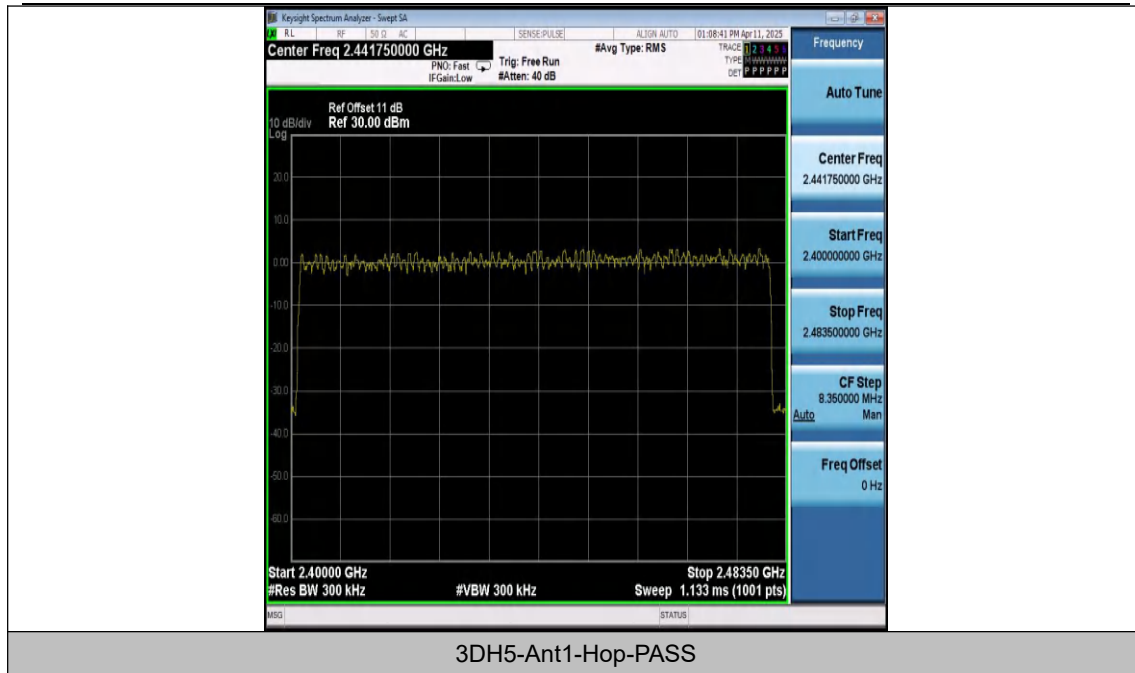
Test Graphs



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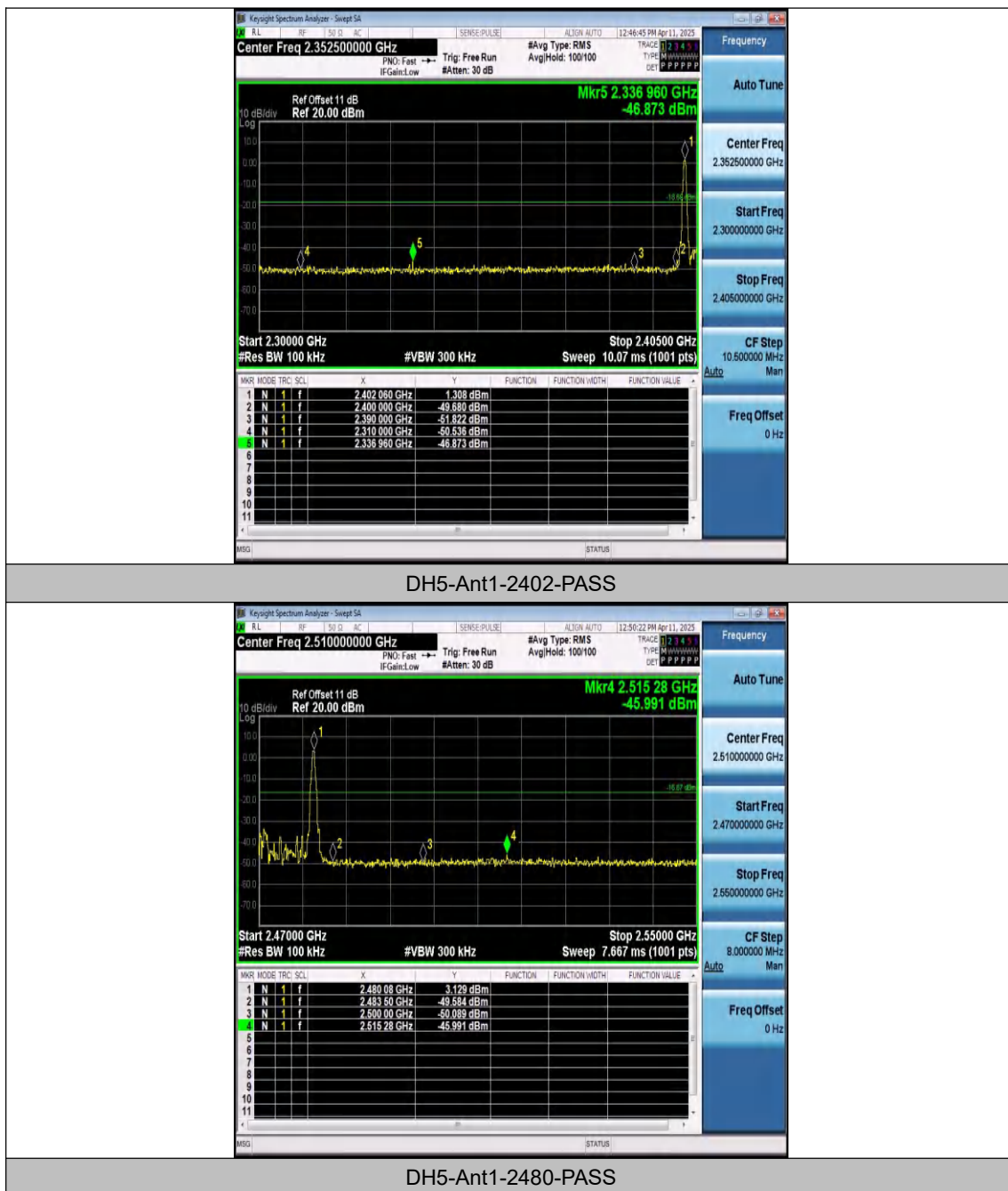
Appendix G: Conducted Band edge

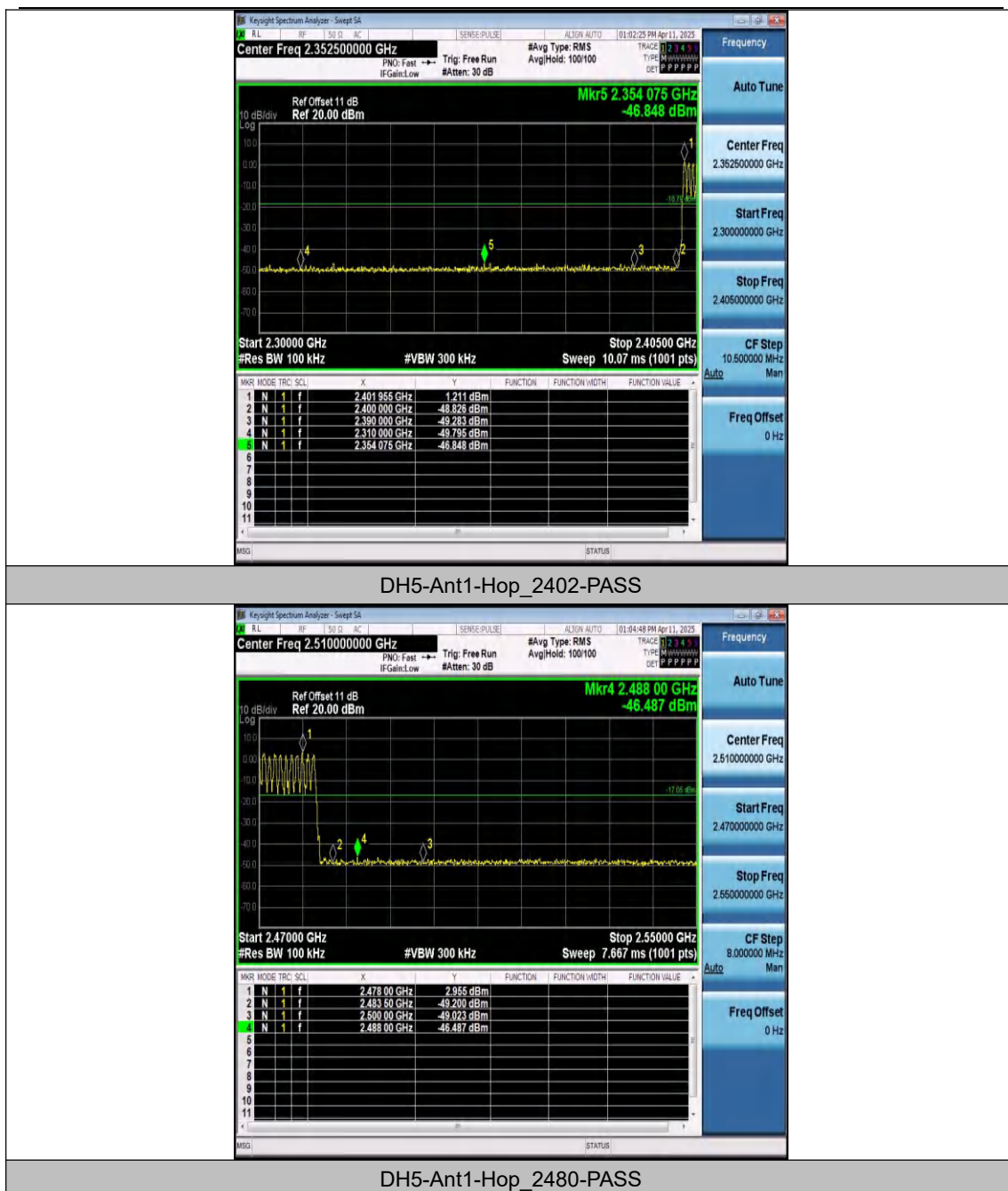
Test Result

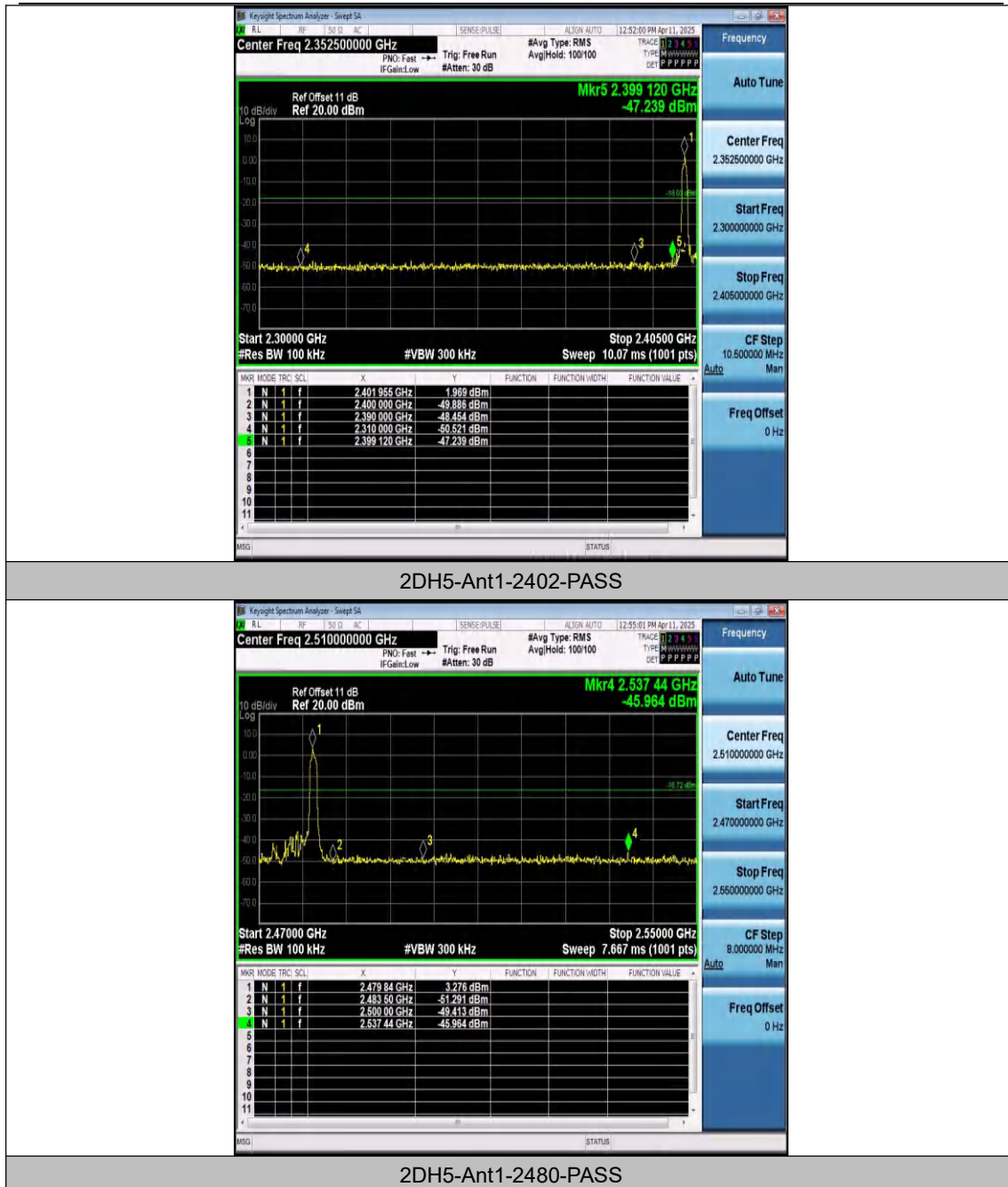
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.31	-46.87	≤-18.69	PASS
DH5	Ant1	High	2480	3.13	-45.99	≤-16.87	PASS
DH5	Ant1	Low	Hop_2402	1.21	-46.85	≤-18.79	PASS
DH5	Ant1	High	Hop_2480	2.96	-46.49	≤-17.05	PASS
2DH5	Ant1	Low	2402	1.97	-47.24	≤-18.03	PASS
2DH5	Ant1	High	2480	3.28	-45.96	≤-16.72	PASS
2DH5	Ant1	Low	Hop_2402	-1.67	-46.77	≤-21.67	PASS
2DH5	Ant1	High	Hop_2480	3.22	-45.86	≤-16.78	PASS
3DH5	Ant1	Low	2402	1.57	-47.38	≤-18.43	PASS
3DH5	Ant1	High	2480	1.62	-47.31	≤-18.38	PASS
3DH5	Ant1	Low	Hop_2402	-0.58	-46.2	≤-20.58	PASS
3DH5	Ant1	High	Hop_2480	3.09	-46.37	≤-16.91	PASS

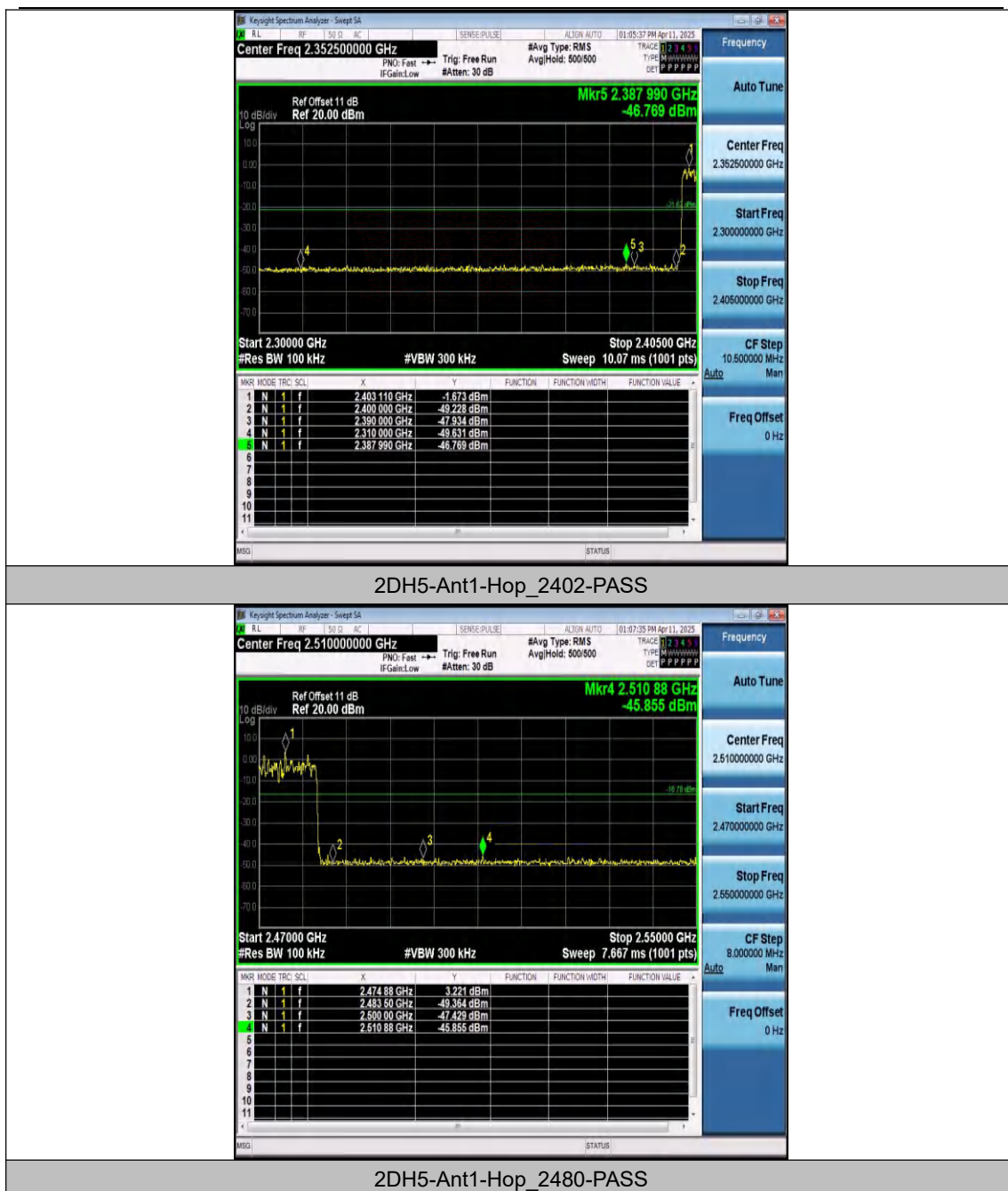


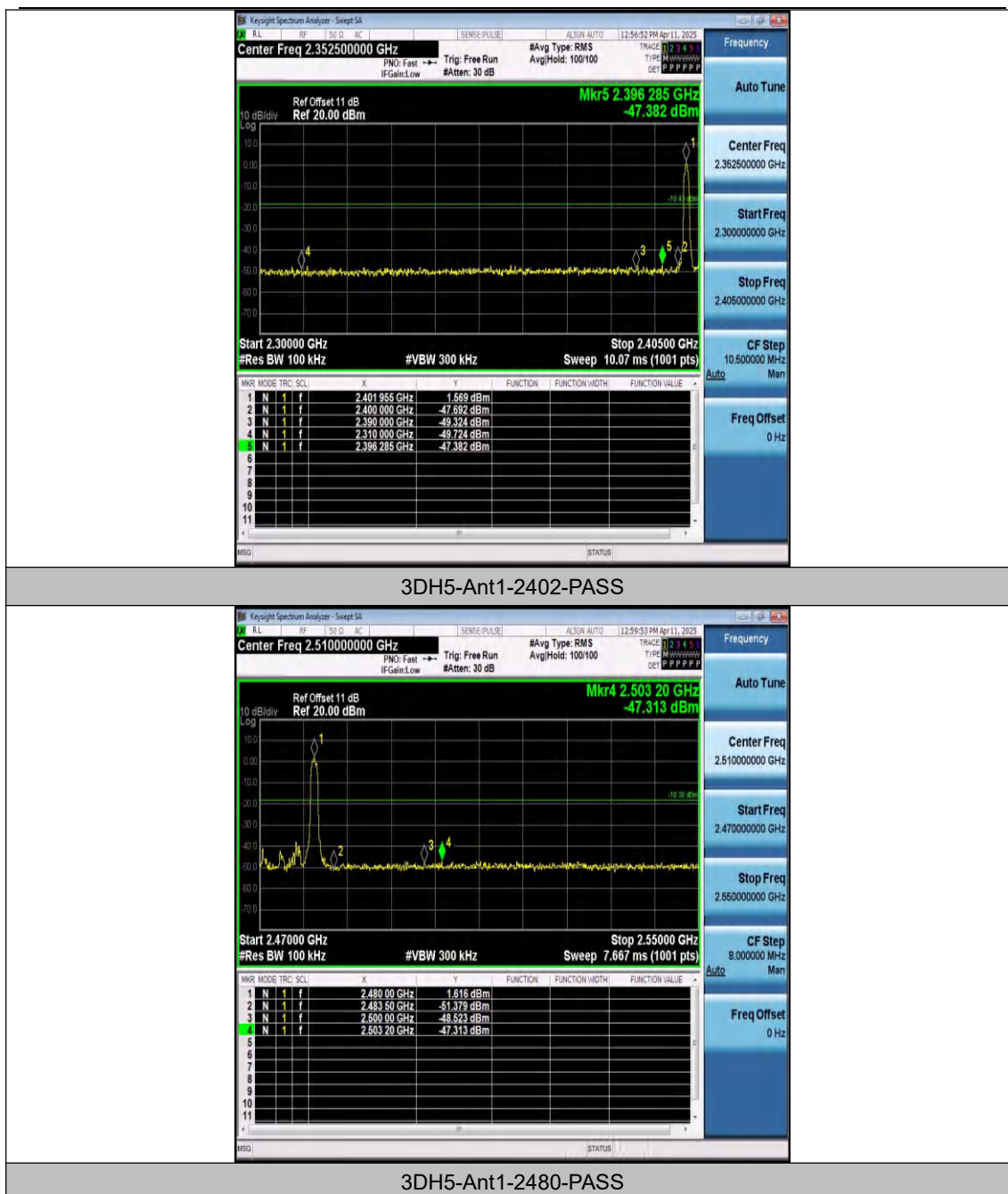
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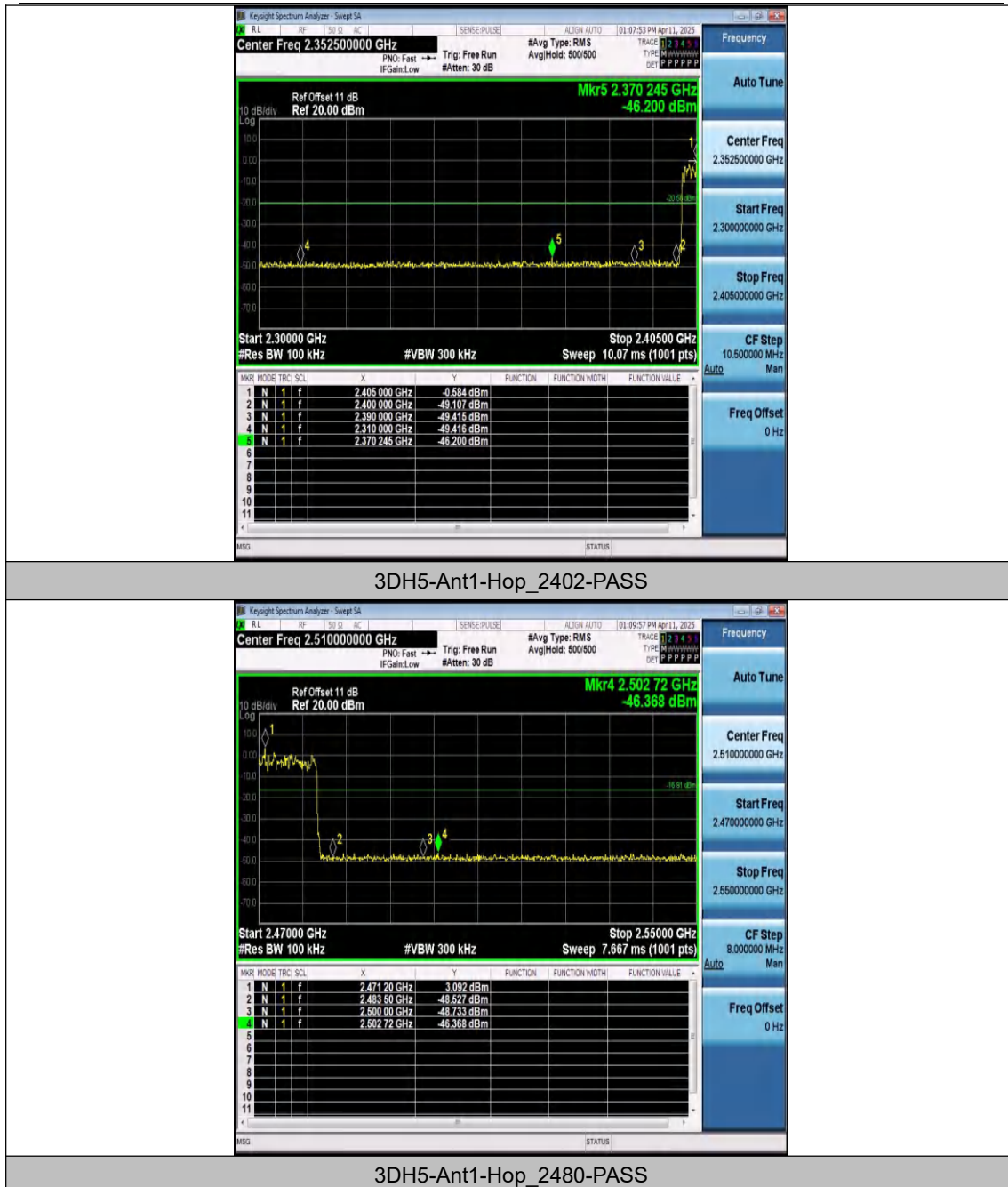












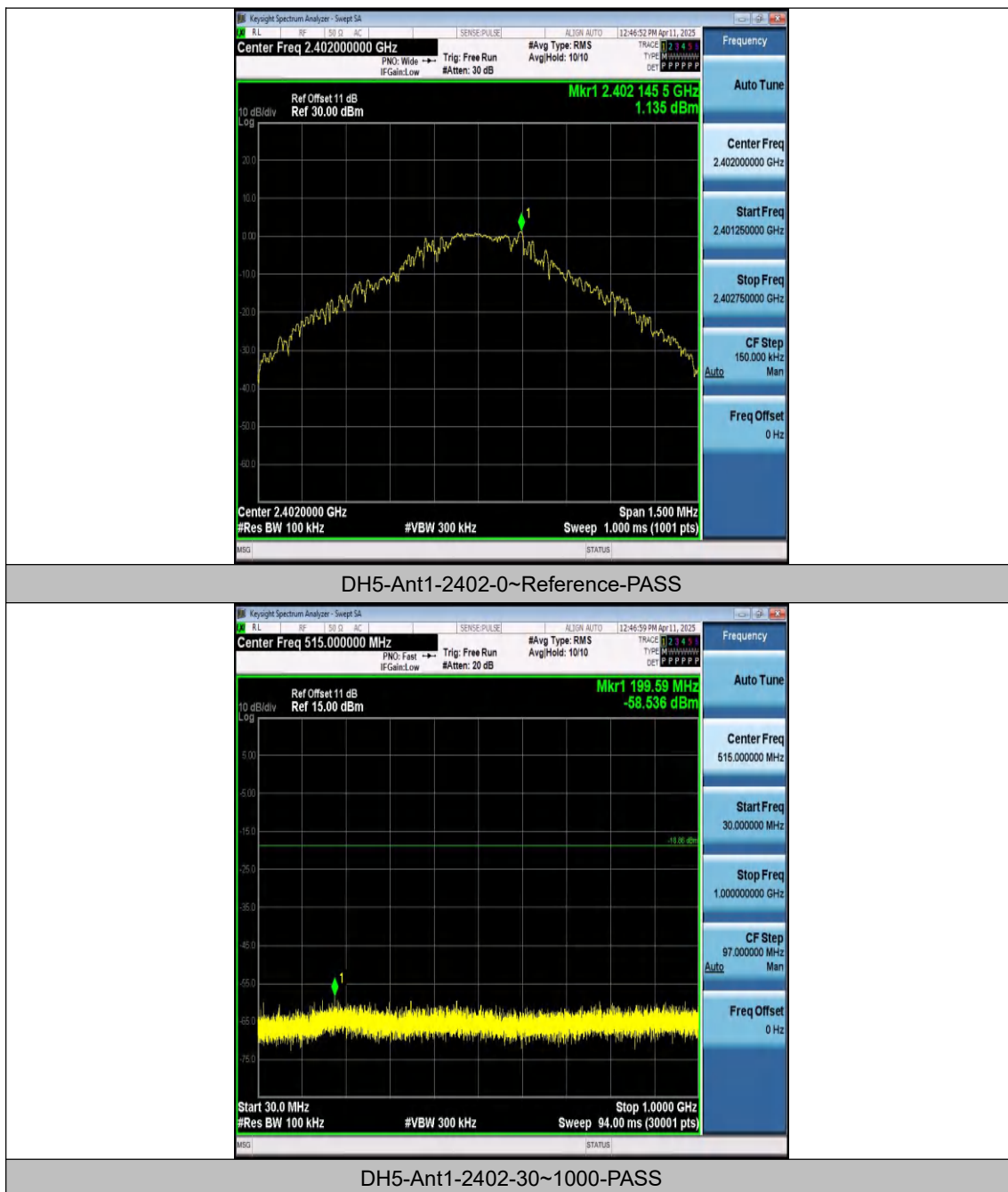
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.14	1.14	---	PASS
DH5	Ant1	2402	30~1000	1.14	-58.54	≤-18.86	PASS
DH5	Ant1	2402	1000~26500	1.14	-28.76	≤-18.86	PASS
DH5	Ant1	2441	0~Reference	2.14	2.14	---	PASS
DH5	Ant1	2441	30~1000	2.14	-58.97	≤-17.86	PASS
DH5	Ant1	2441	1000~26500	2.14	-28.81	≤-17.86	PASS
DH5	Ant1	2480	0~Reference	2.68	2.68	---	PASS
DH5	Ant1	2480	30~1000	2.68	-58.36	≤-17.32	PASS
DH5	Ant1	2480	1000~26500	2.68	-26.66	≤-17.32	PASS
2DH5	Ant1	2402	0~Reference	0.68	0.68	---	PASS
2DH5	Ant1	2402	30~1000	0.68	-58.19	≤-19.32	PASS
2DH5	Ant1	2402	1000~26500	0.68	-28.64	≤-19.32	PASS
2DH5	Ant1	2441	0~Reference	2.52	2.52	---	PASS
2DH5	Ant1	2441	30~1000	2.52	-59.17	≤-17.48	PASS
2DH5	Ant1	2441	1000~26500	2.52	-28.02	≤-17.48	PASS
2DH5	Ant1	2480	0~Reference	1.66	1.66	---	PASS
2DH5	Ant1	2480	30~1000	1.66	-52.81	≤-18.34	PASS
2DH5	Ant1	2480	1000~26500	1.66	-26.57	≤-18.34	PASS
3DH5	Ant1	2402	0~Reference	-1.66	-1.66	---	PASS
3DH5	Ant1	2402	30~1000	-1.66	-58.09	≤-21.66	PASS
3DH5	Ant1	2402	1000~26500	-1.66	-28.54	≤-21.66	PASS
3DH5	Ant1	2441	0~Reference	2.20	2.20	---	PASS
3DH5	Ant1	2441	30~1000	2.20	-58.66	≤-17.8	PASS
3DH5	Ant1	2441	1000~26500	2.20	-28.72	≤-17.8	PASS
3DH5	Ant1	2480	0~Reference	-1.29	-1.29	---	PASS
3DH5	Ant1	2480	30~1000	-1.29	-57.36	≤-21.29	PASS
3DH5	Ant1	2480	1000~26500	-1.29	-26.54	≤-21.29	PASS



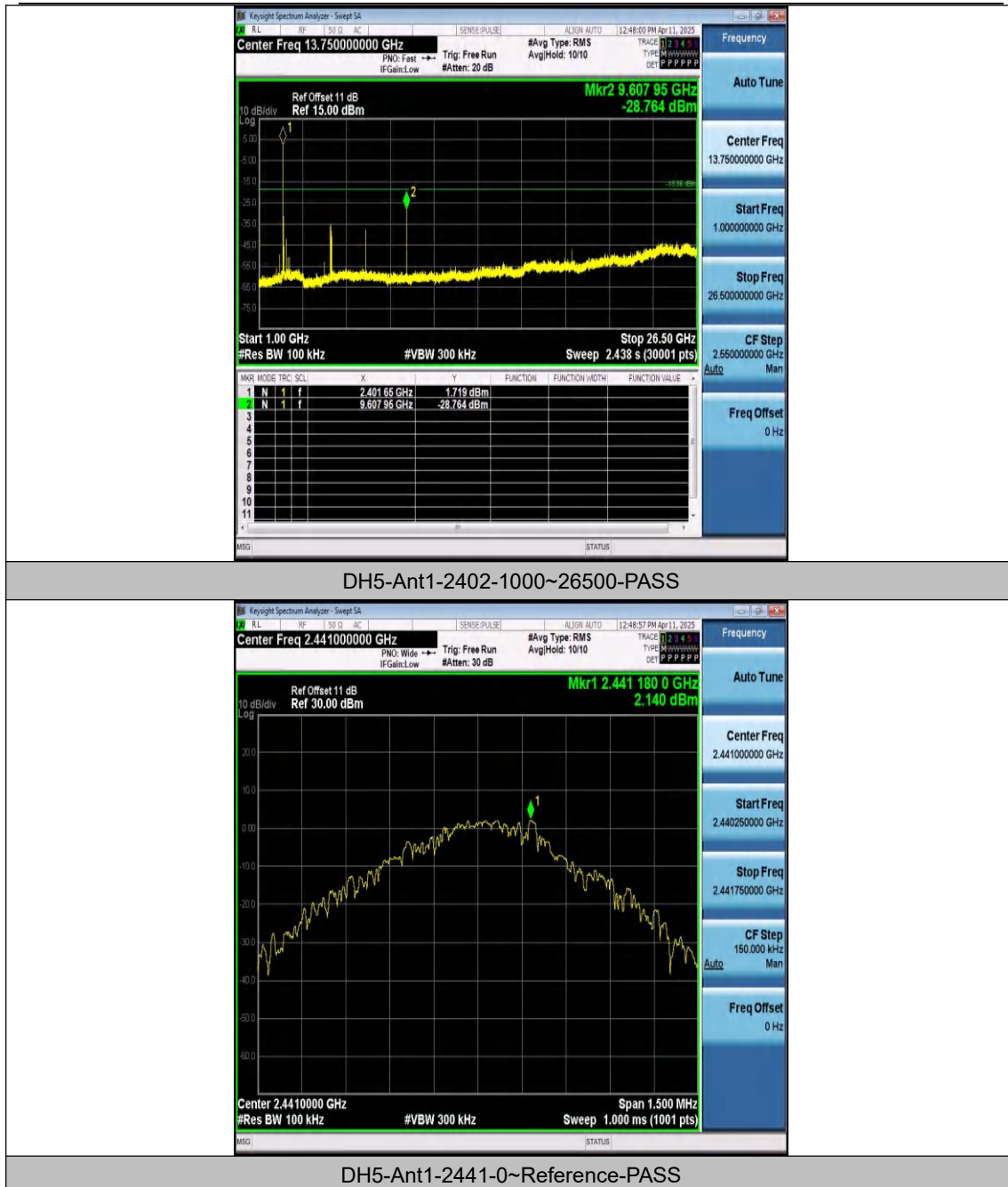
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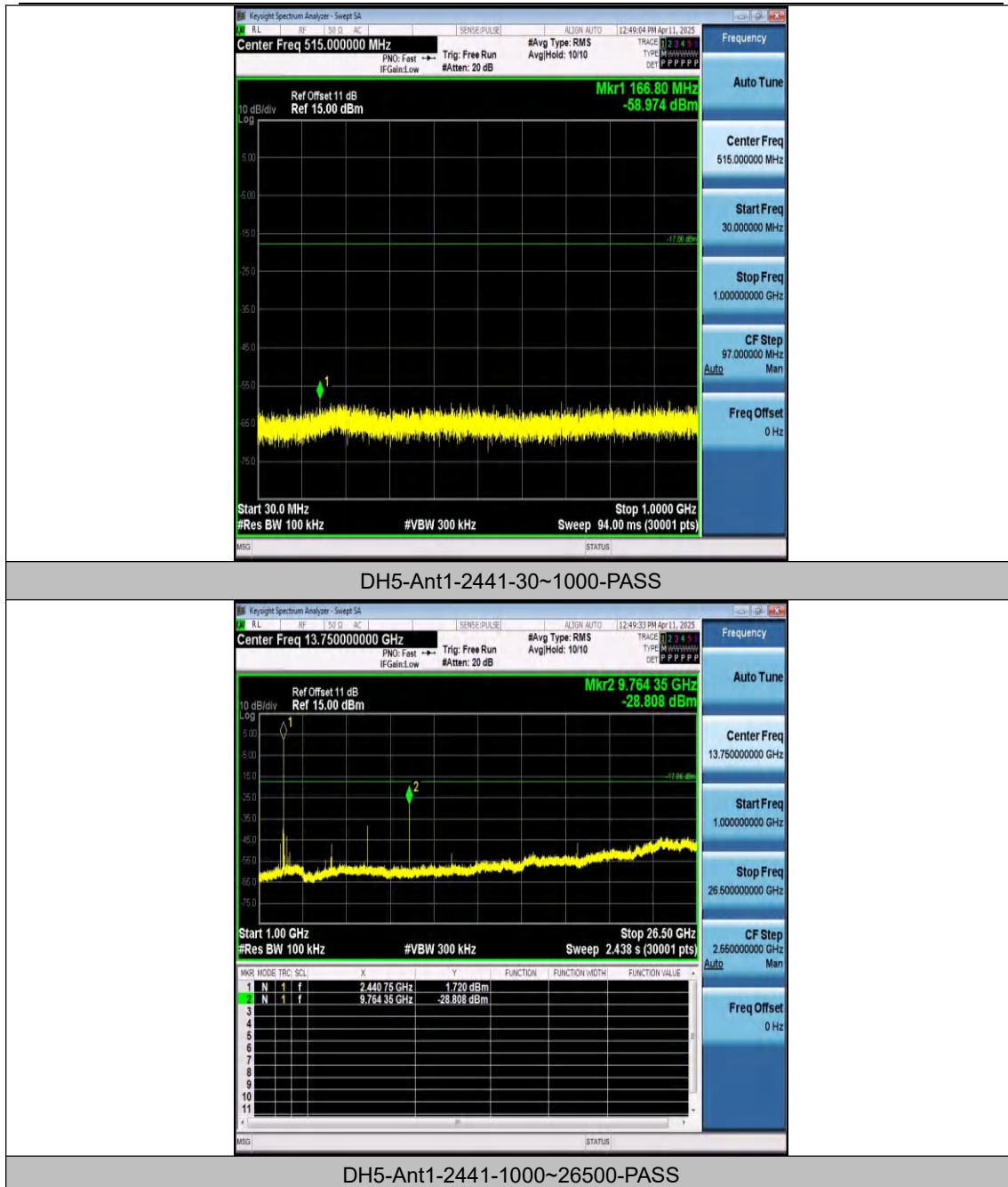


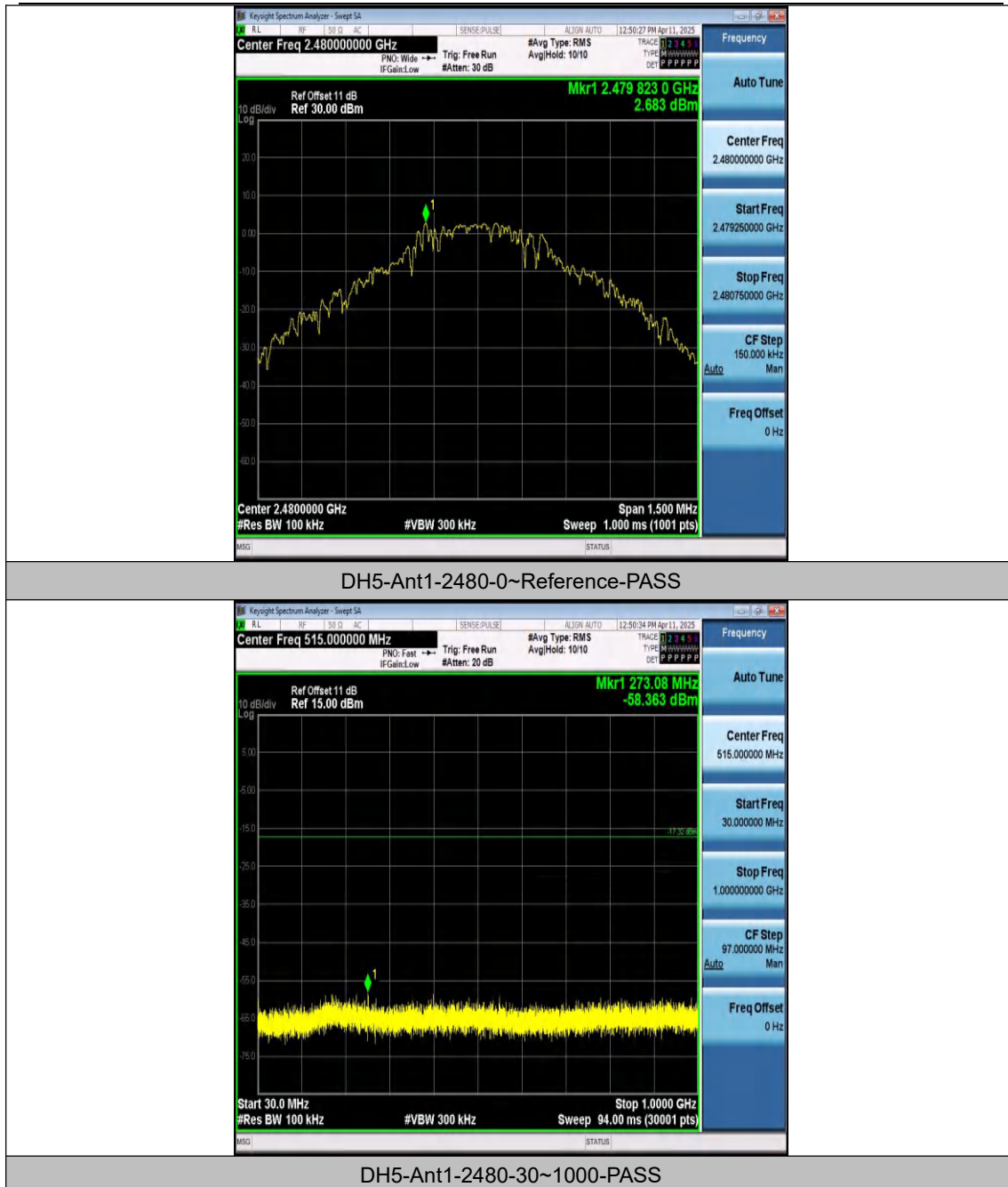
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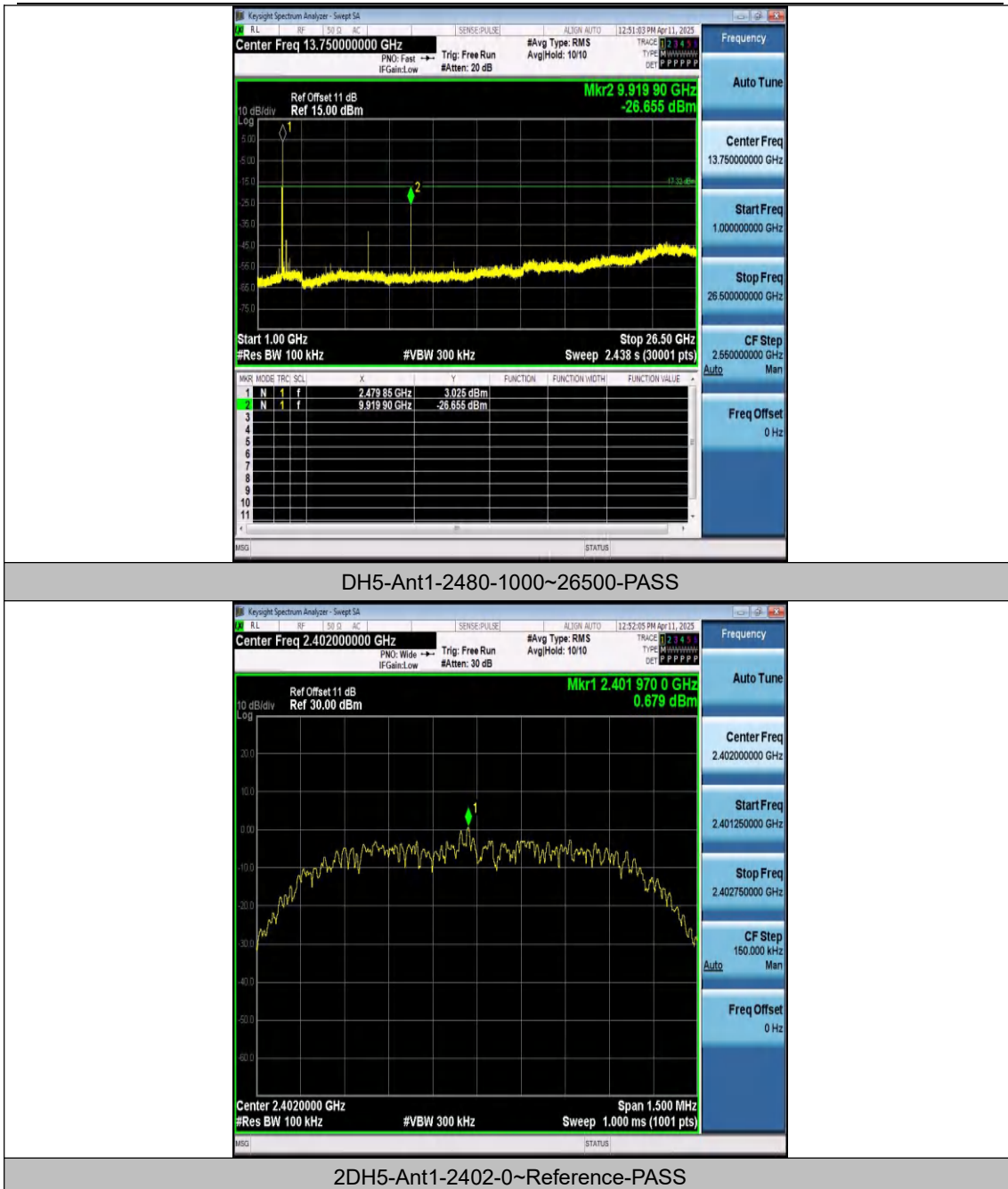


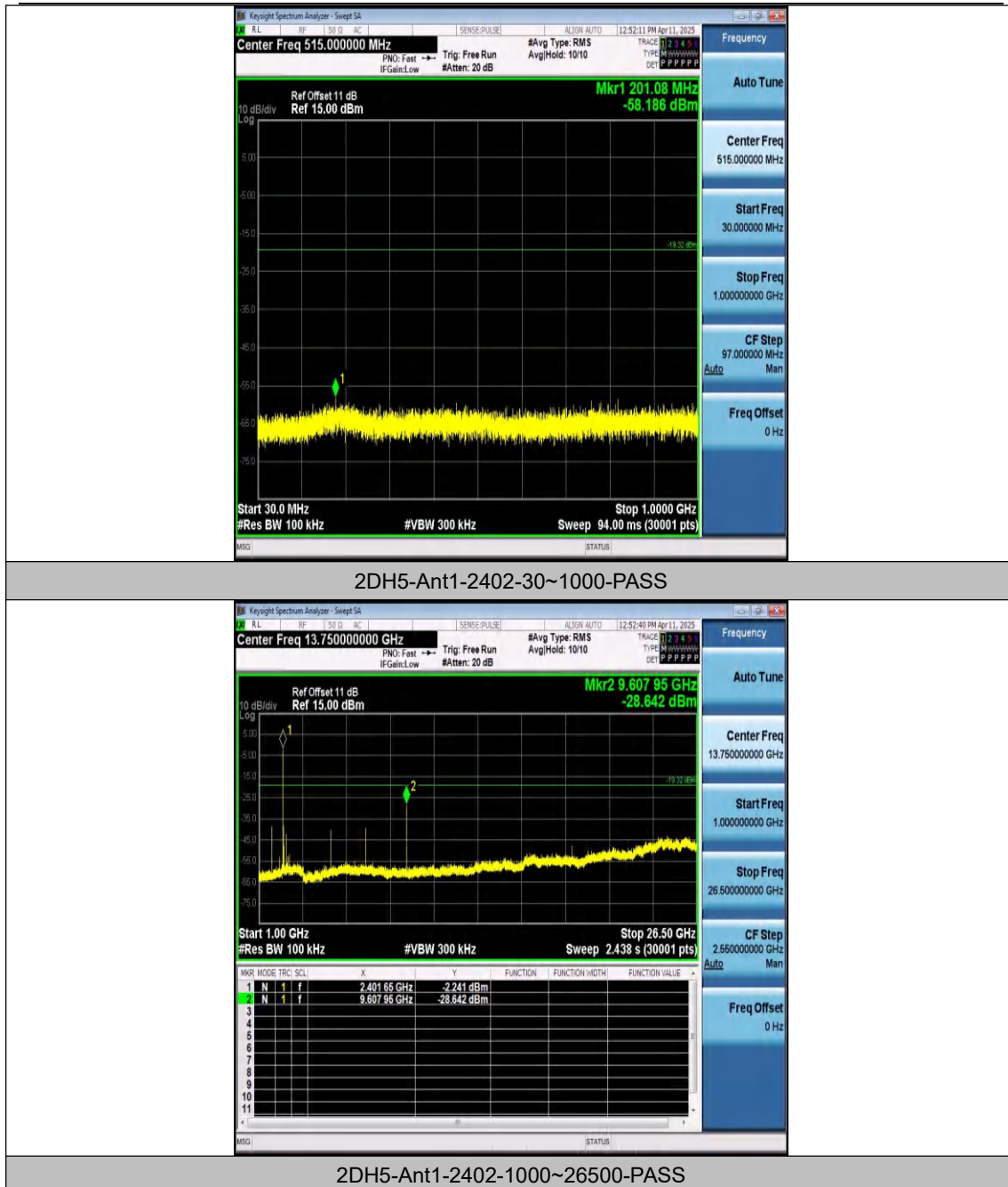


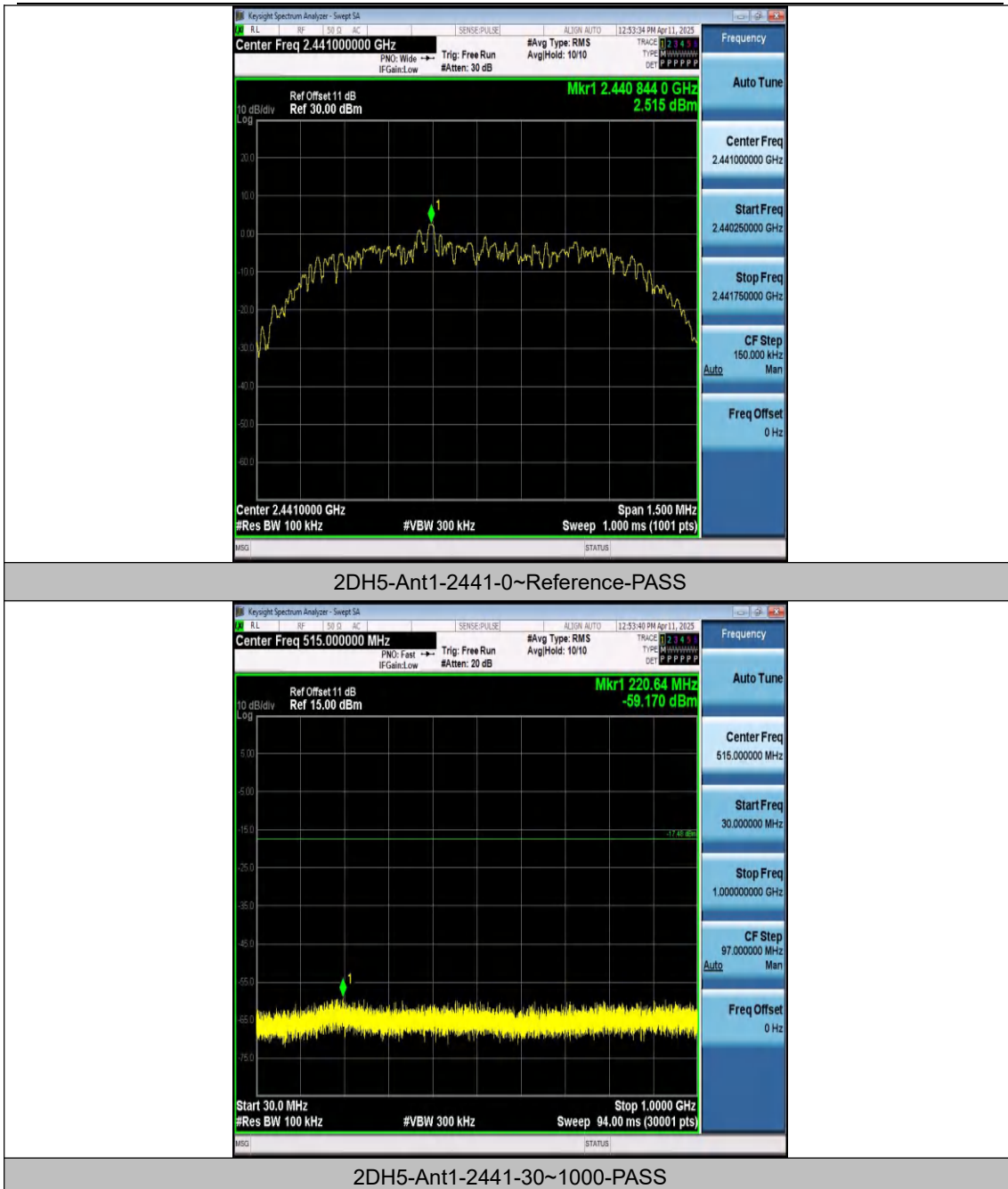
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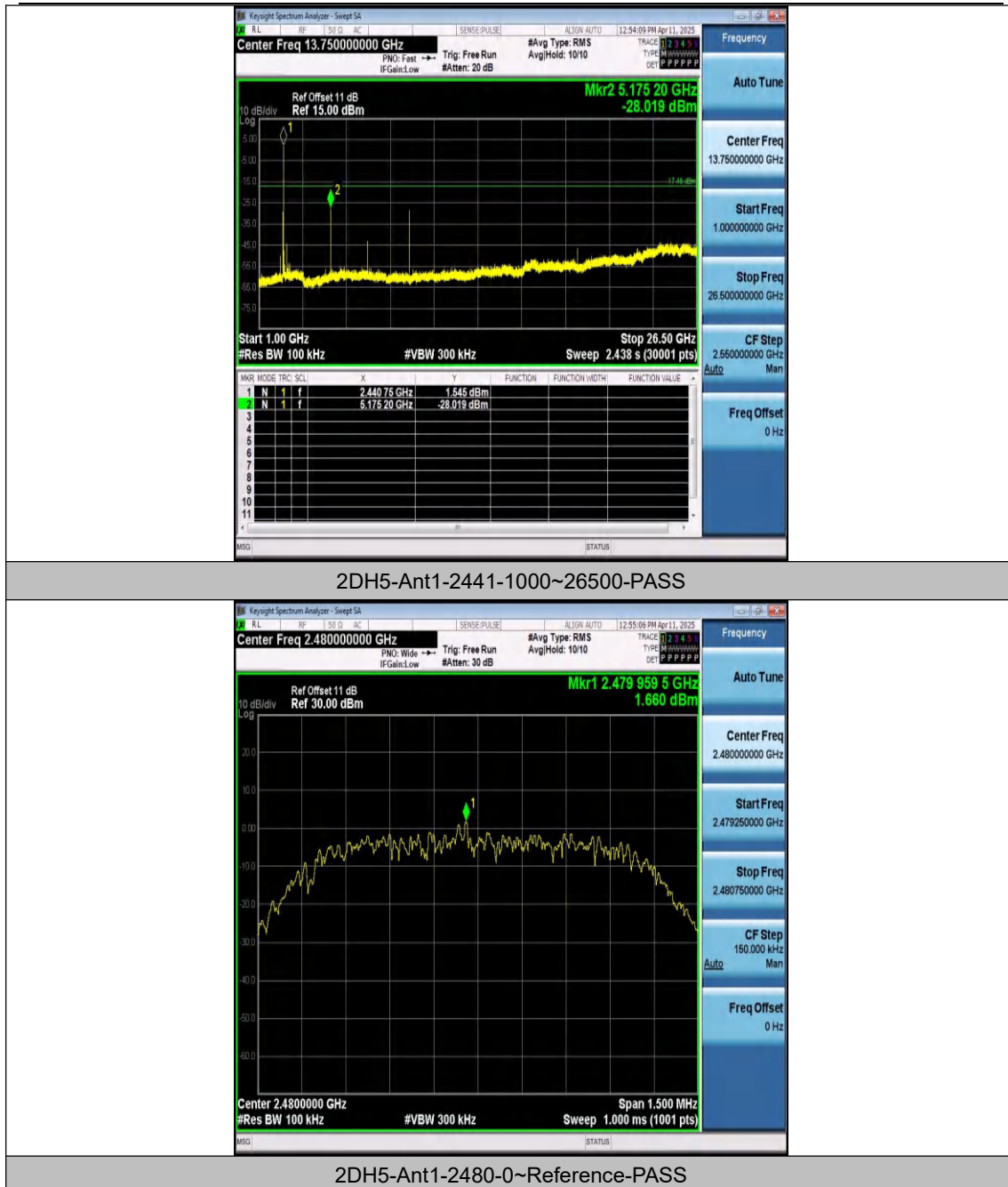


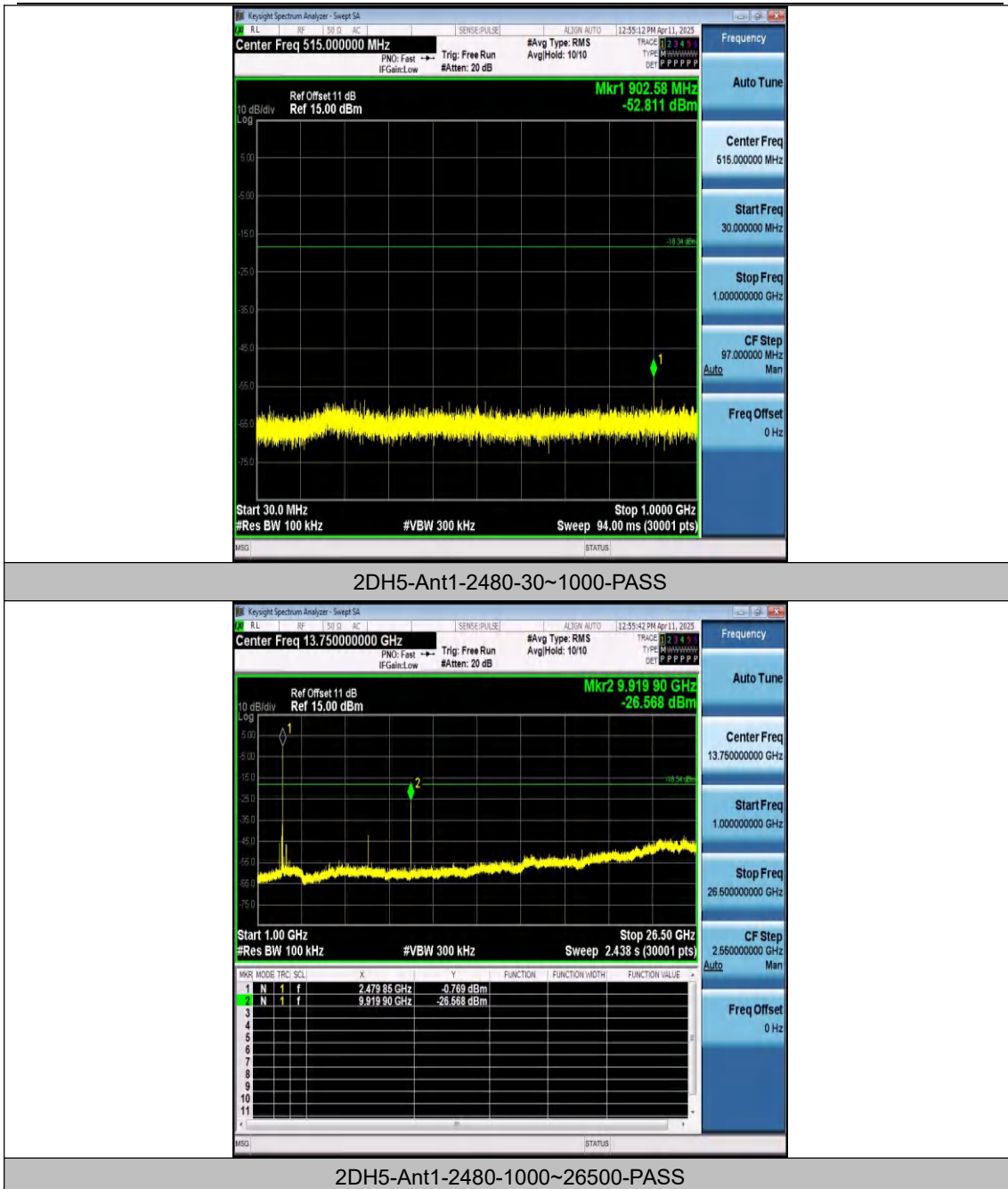


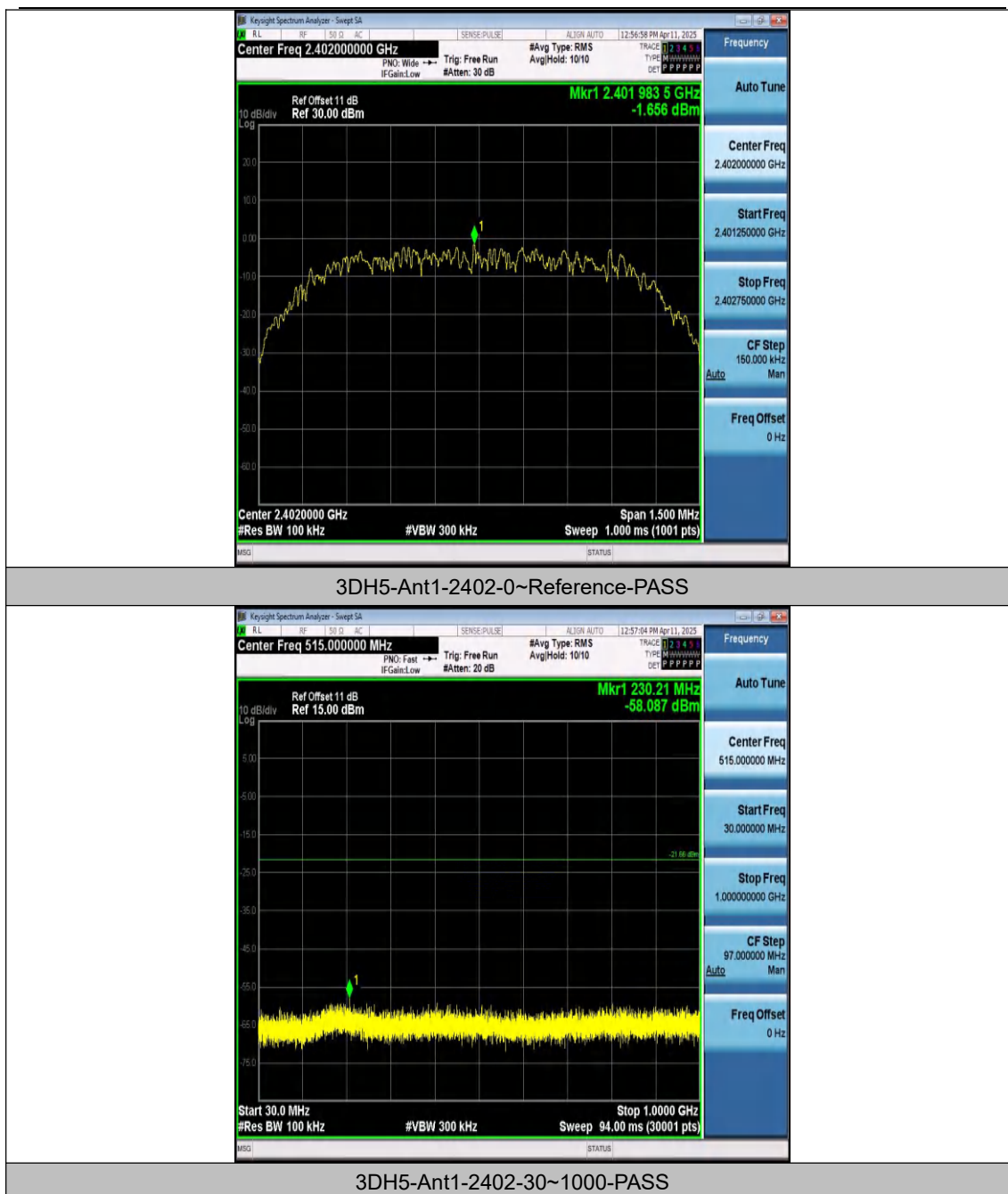
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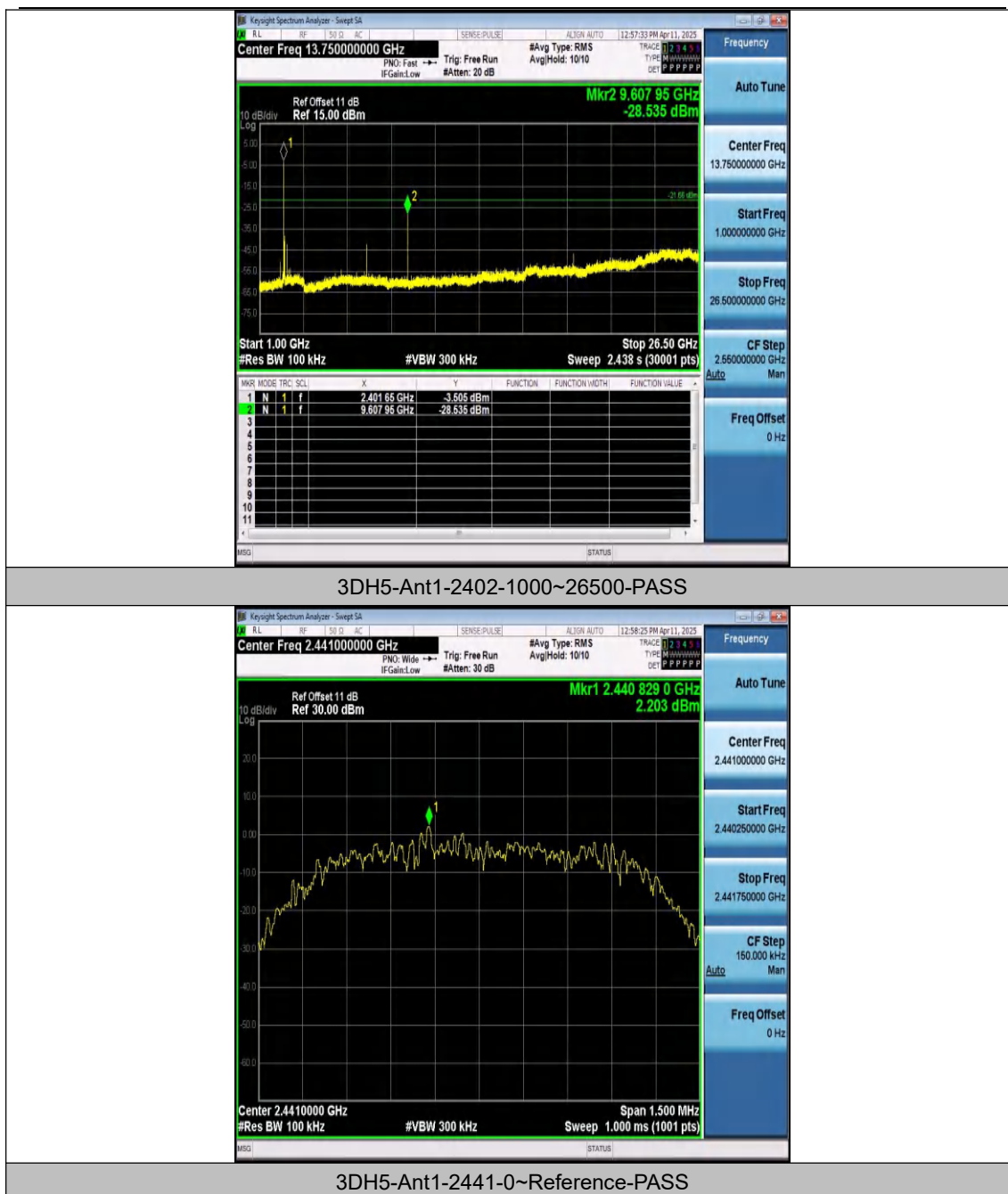


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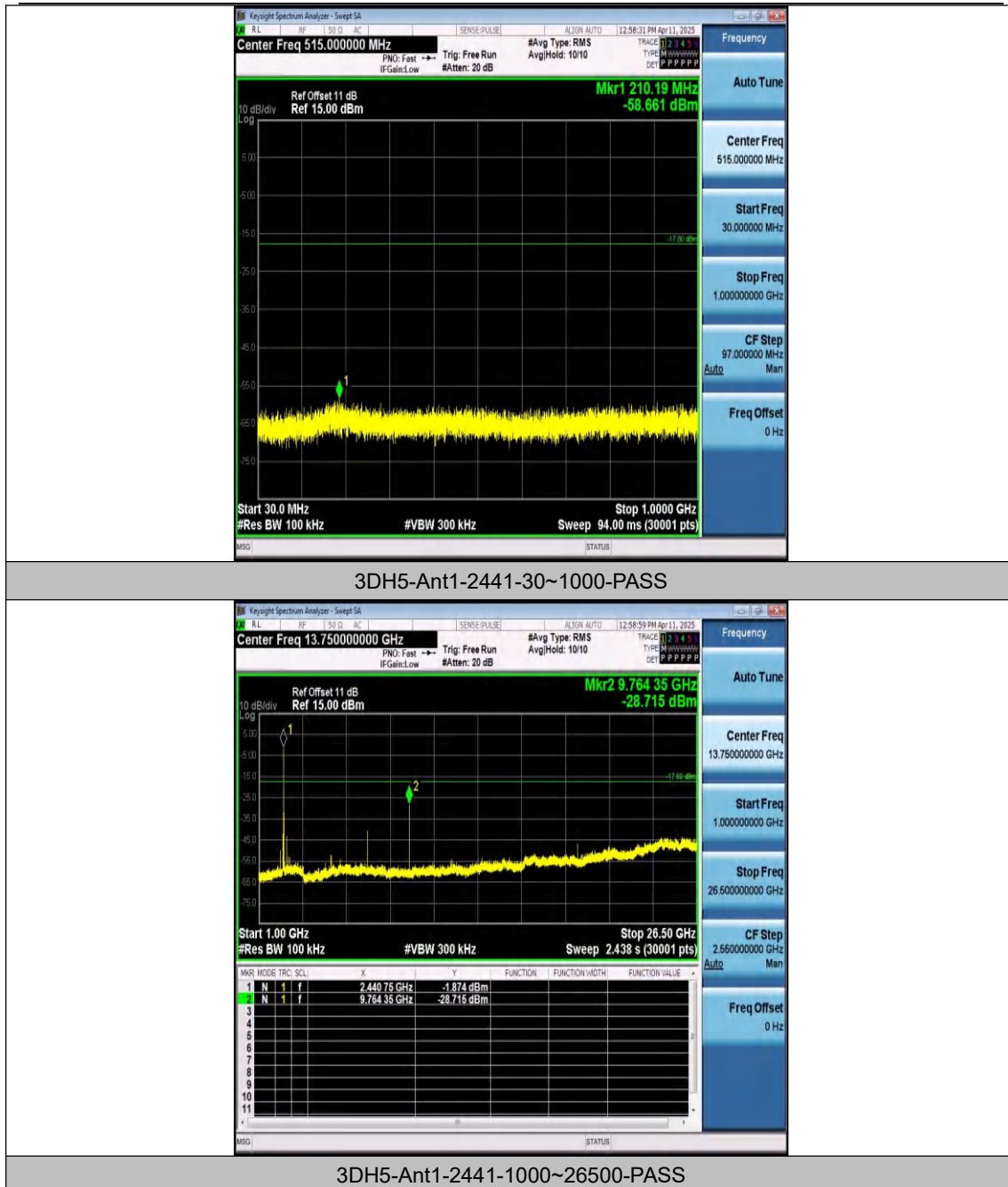


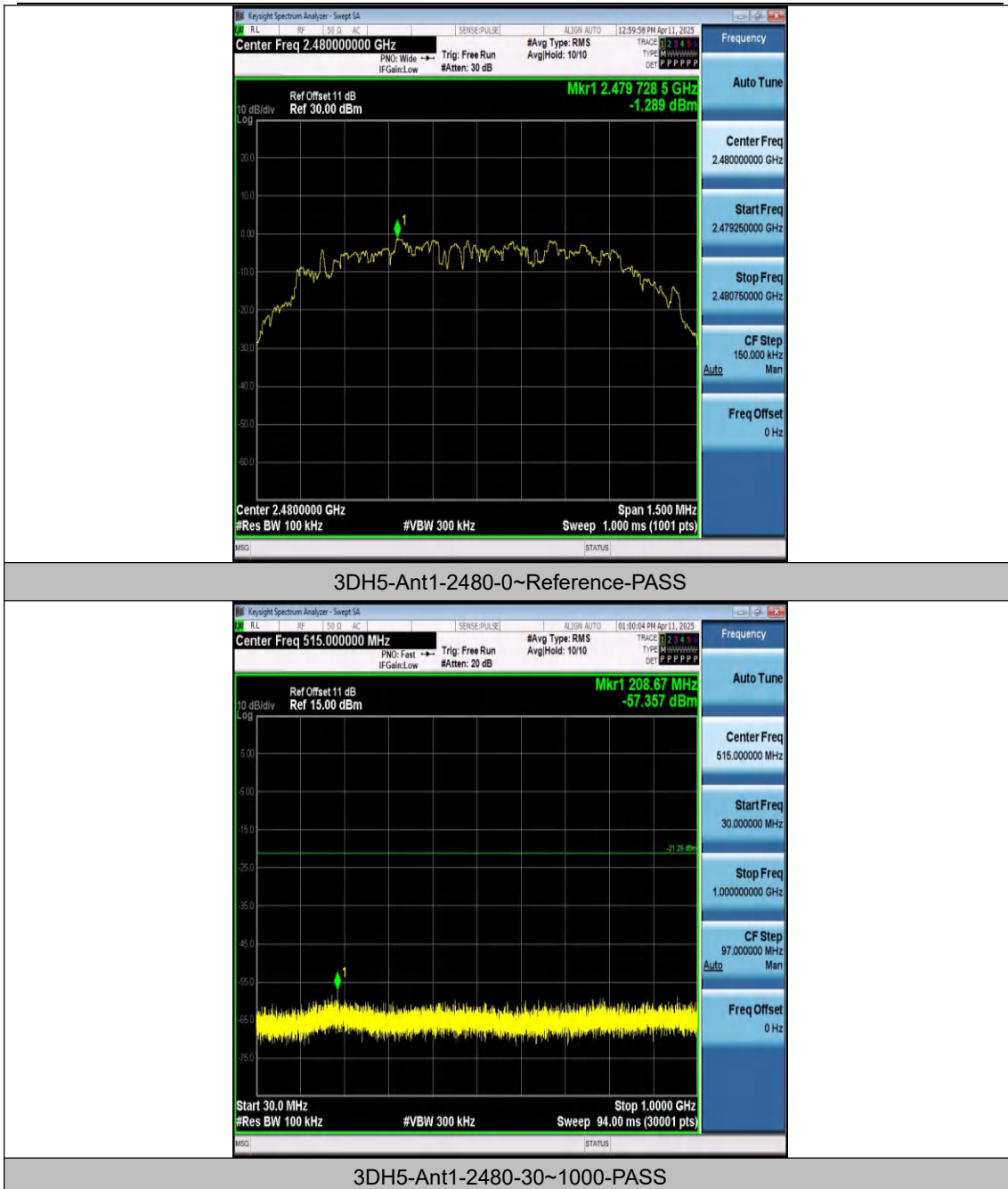
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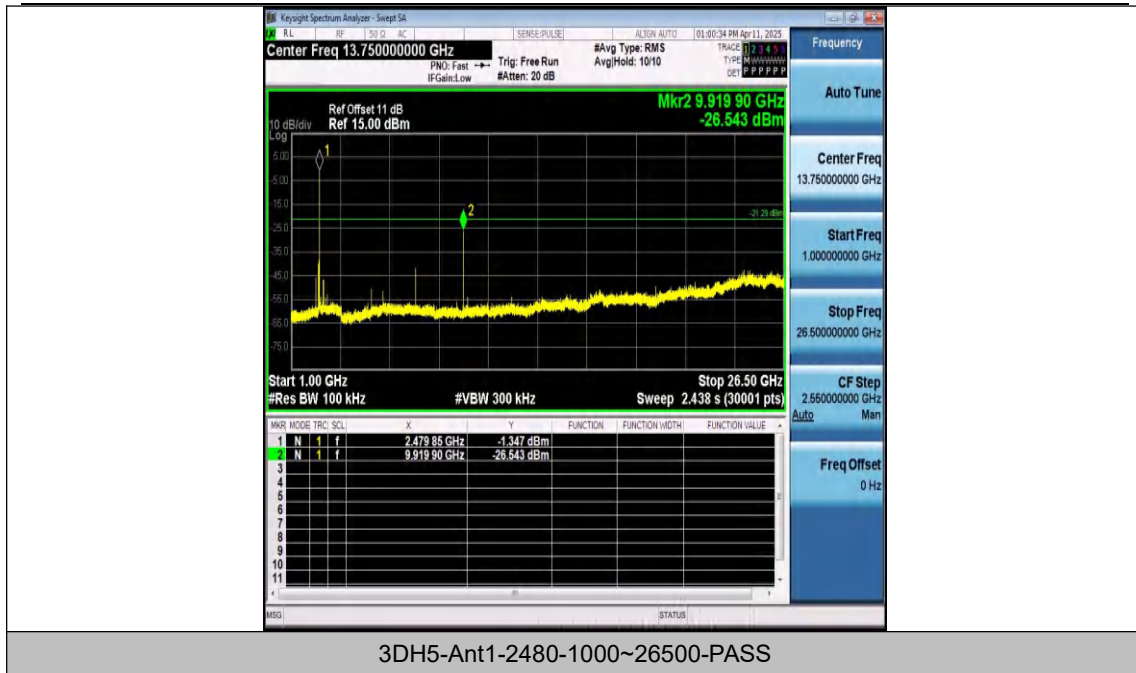




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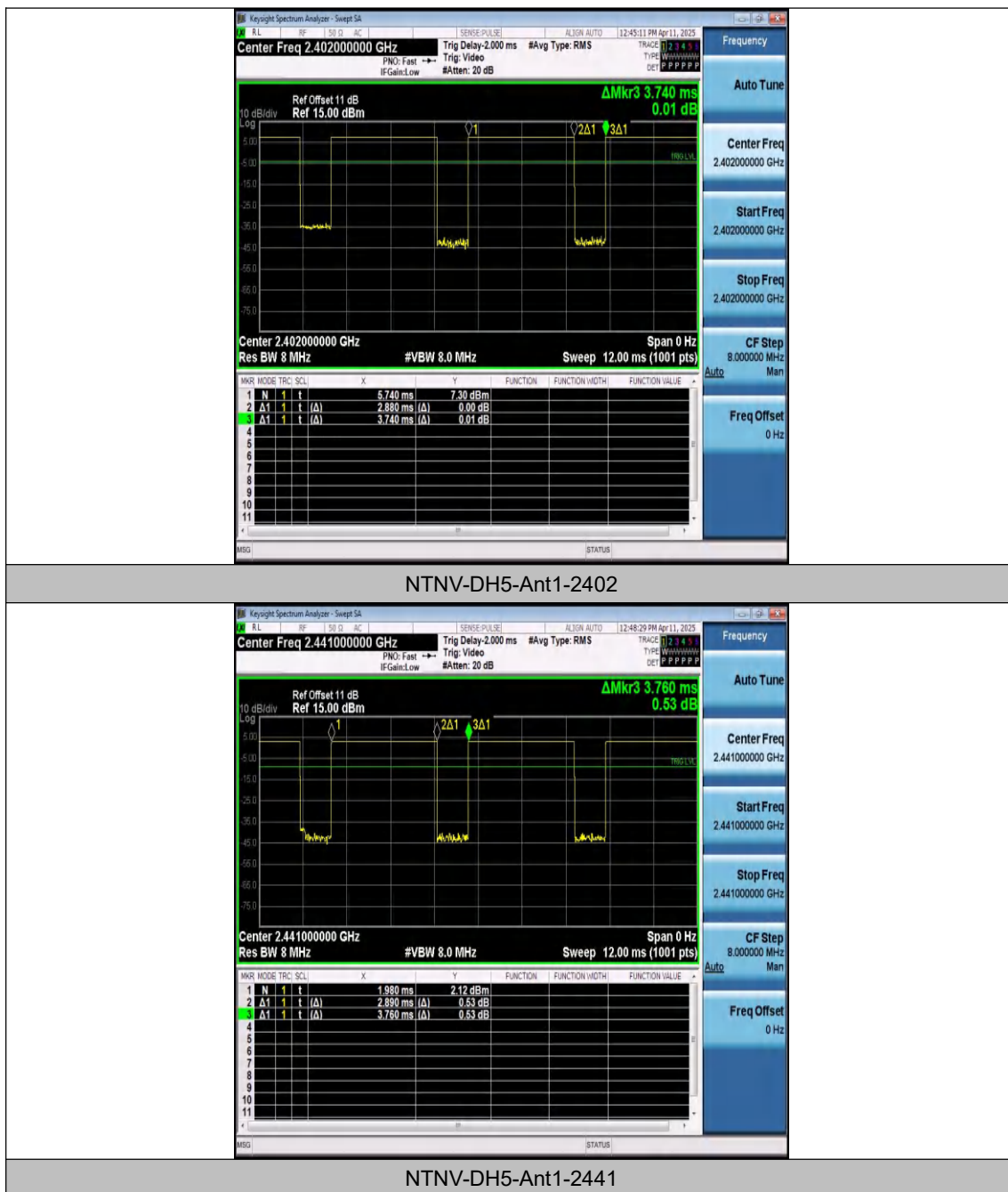
Appendix I: Duty Cycle

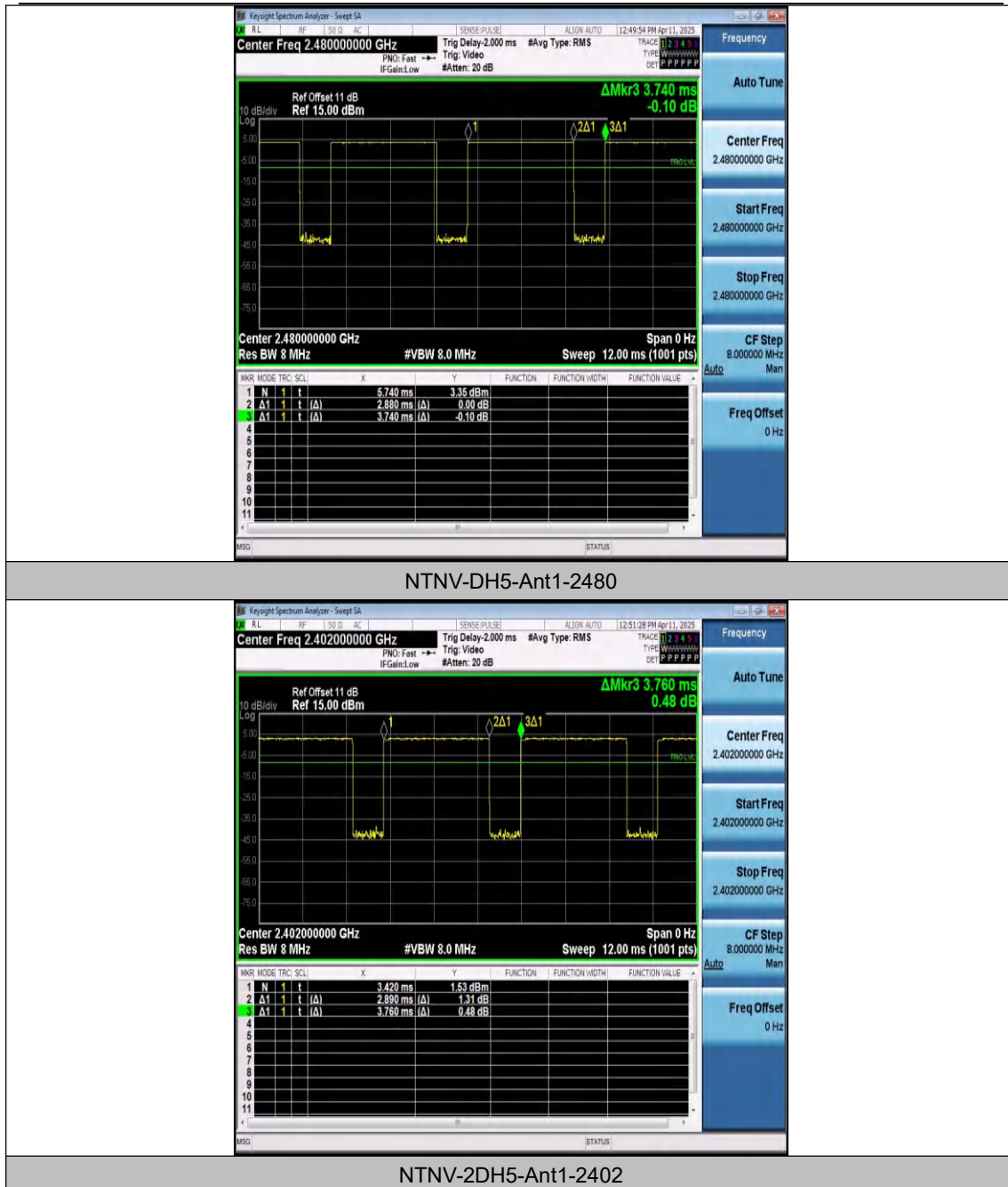
Test Result

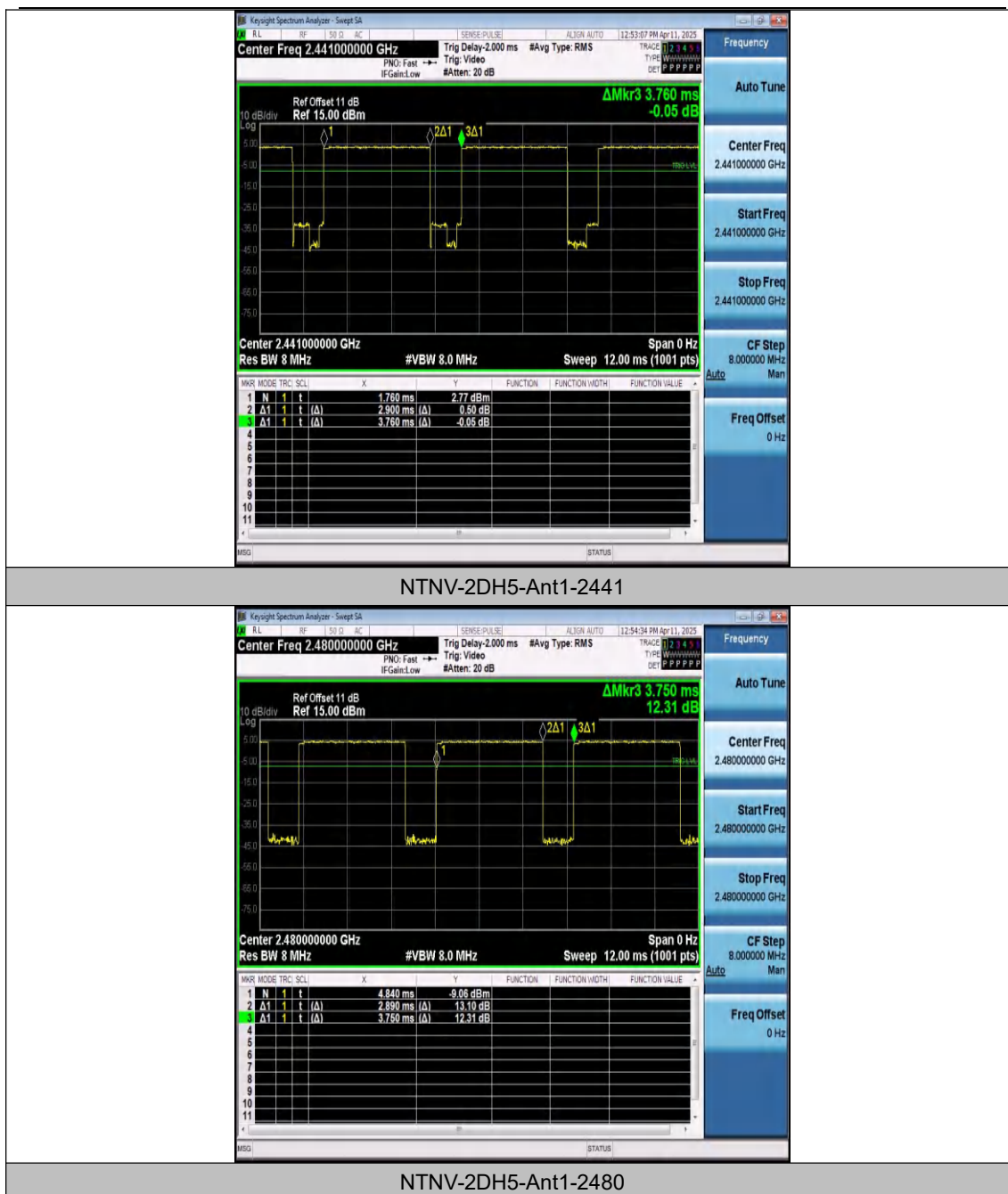
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
DH5	Ant1	2441	2.89	3.76	76.86	1.14
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.89	3.76	76.86	1.14
2DH5	Ant1	2441	2.90	3.76	77.13	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.89	3.74	77.27	1.12
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

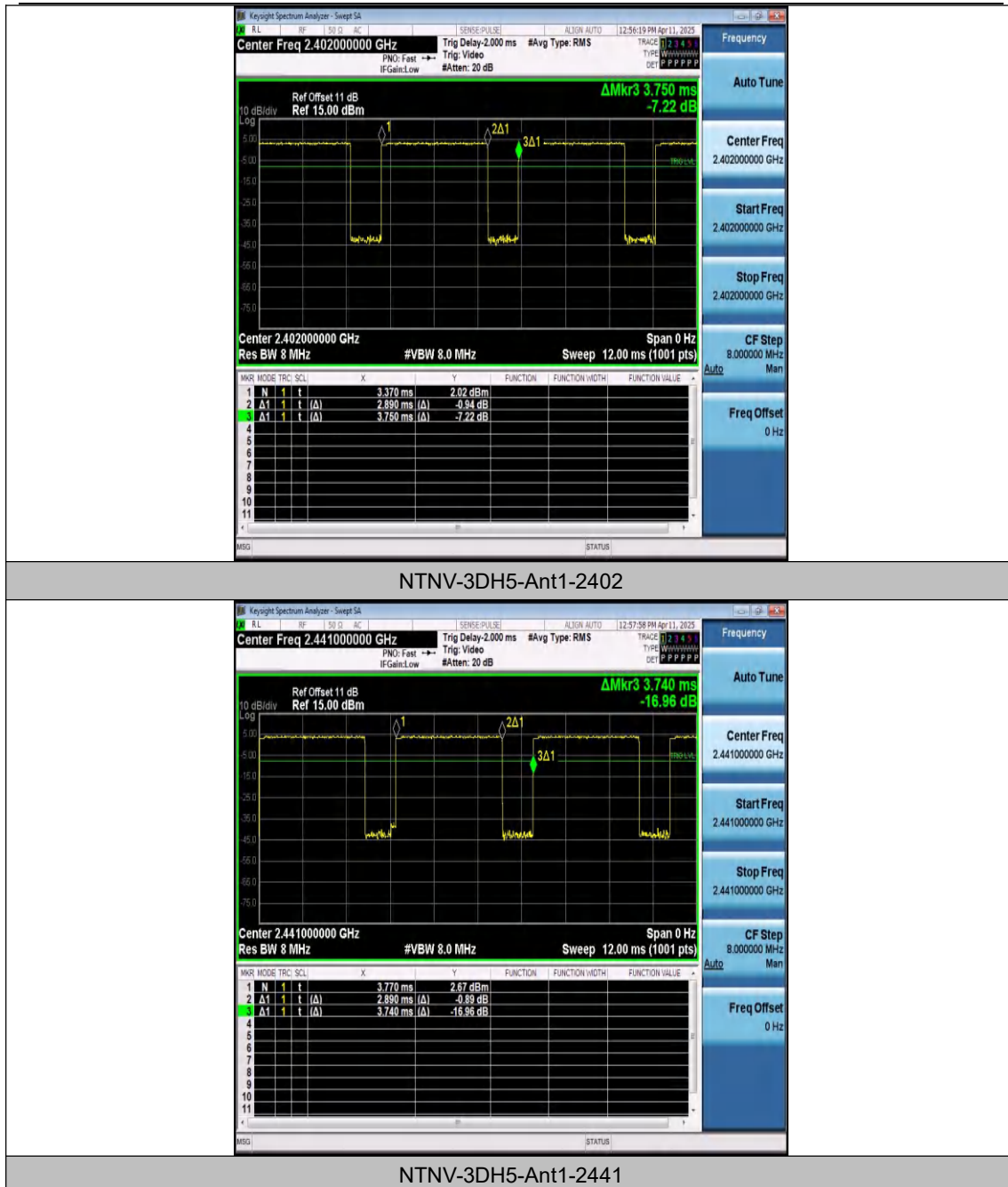


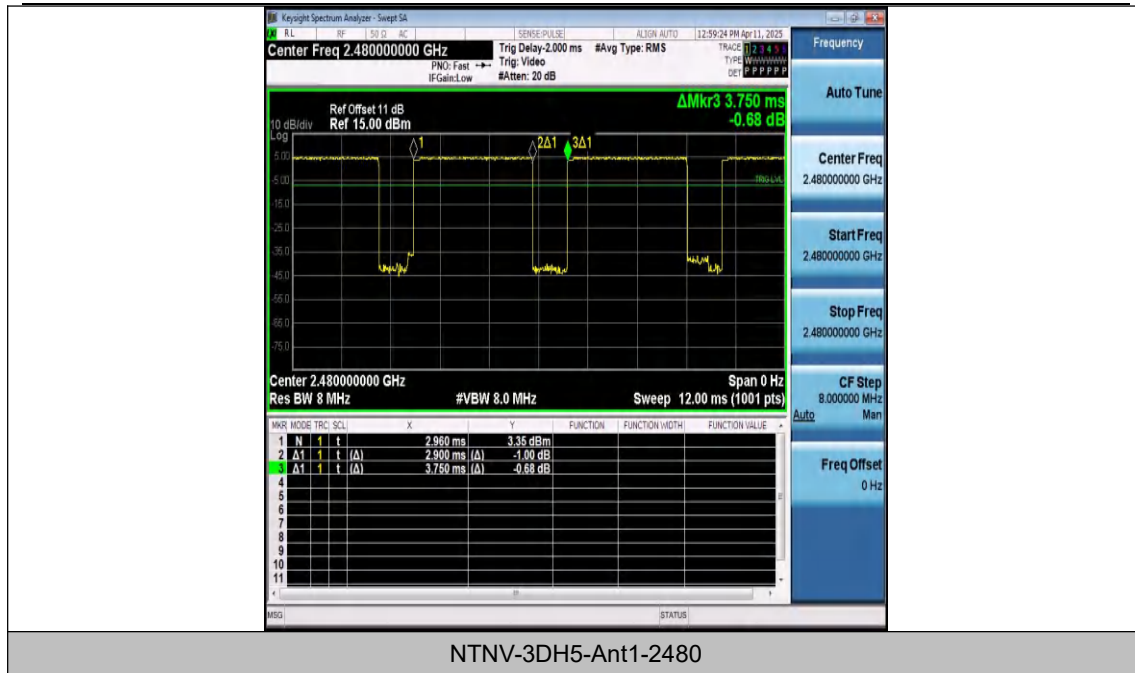
Test Graphs











NTNV-3DH5-Ant1-2480

---End---