

Appendix Test Data

Report No.:	1812C50634012501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-3	Finish Test Date:	2025-12-3
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.7°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	0.972	2401.445	2402.417	---	---
DH5	Ant1	2441	0.969	2440.478	2441.447	---	---
DH5	Ant1	2480	0.957	2479.487	2480.444	---	---
2DH5	Ant1	2402	1.329	2401.295	2402.624	---	---
2DH5	Ant1	2441	1.320	2440.298	2441.618	---	---
2DH5	Ant1	2480	1.341	2479.283	2480.624	---	---
3DH5	Ant1	2402	1.329	2401.286	2402.615	---	---
3DH5	Ant1	2441	1.344	2440.286	2441.630	---	---
3DH5	Ant1	2480	1.308	2479.307	2480.615	---	---

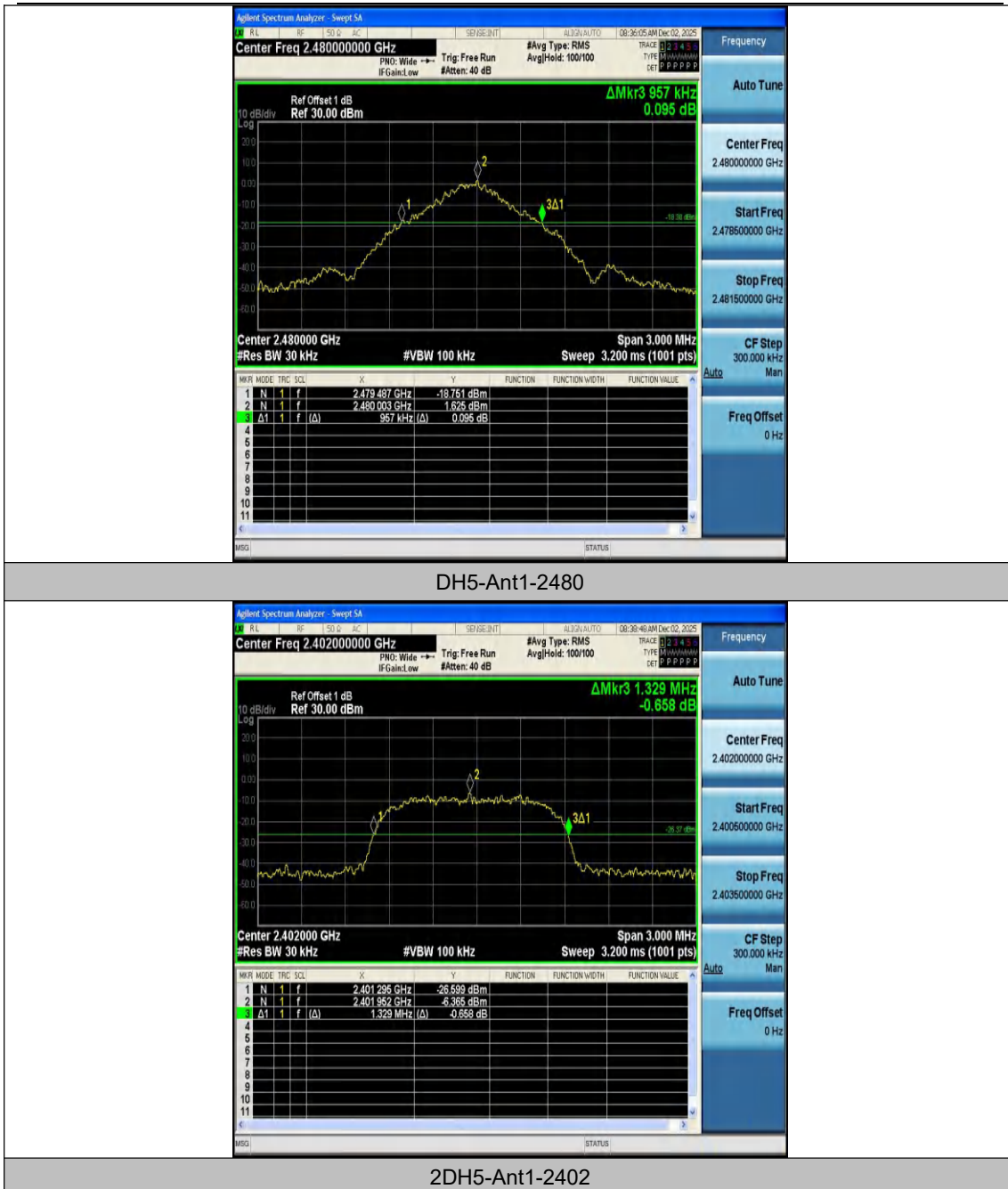
Test Graphs

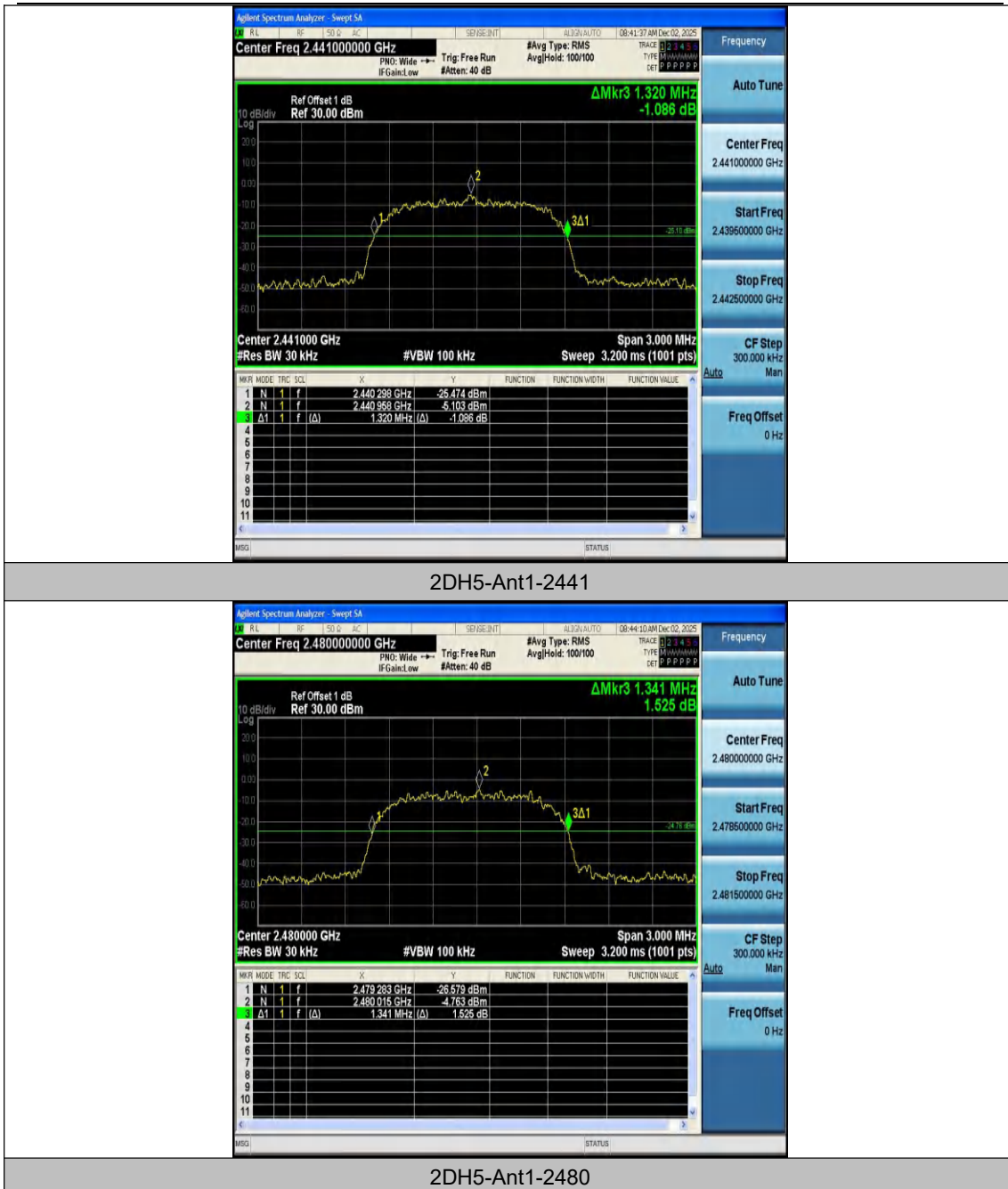


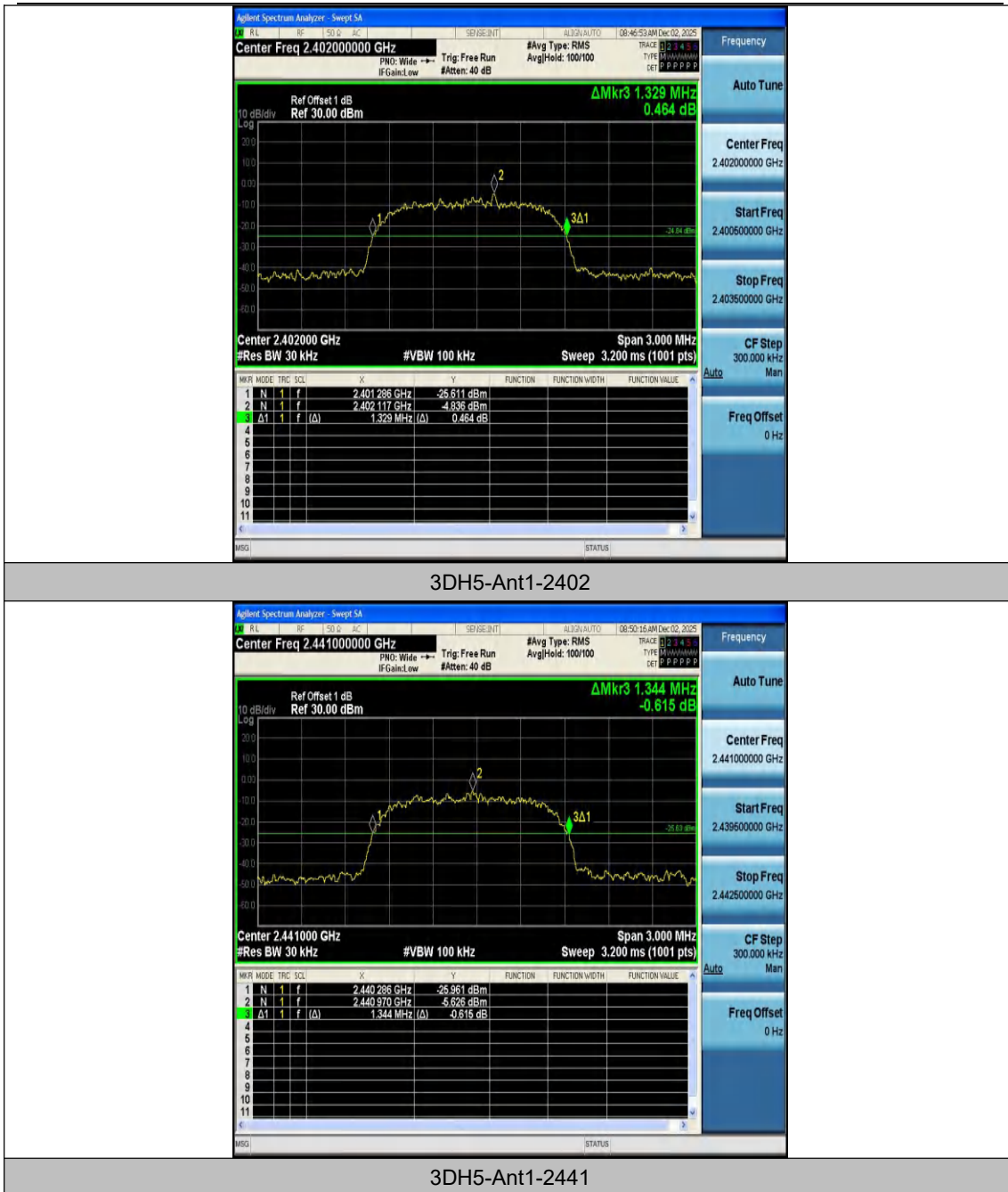
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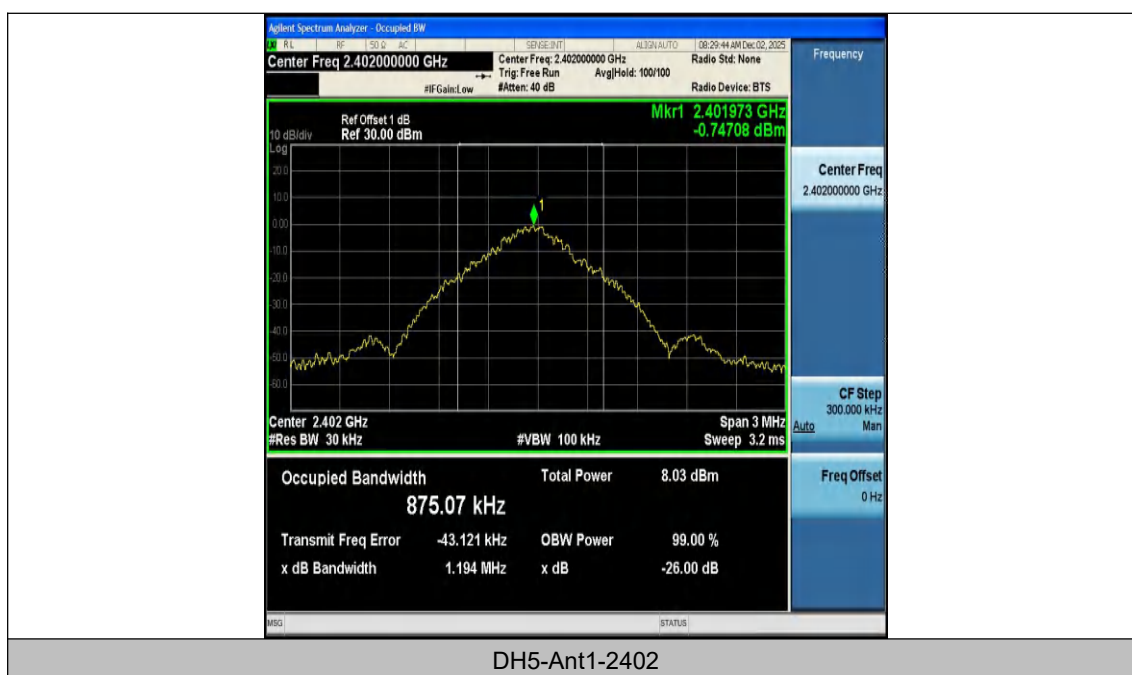
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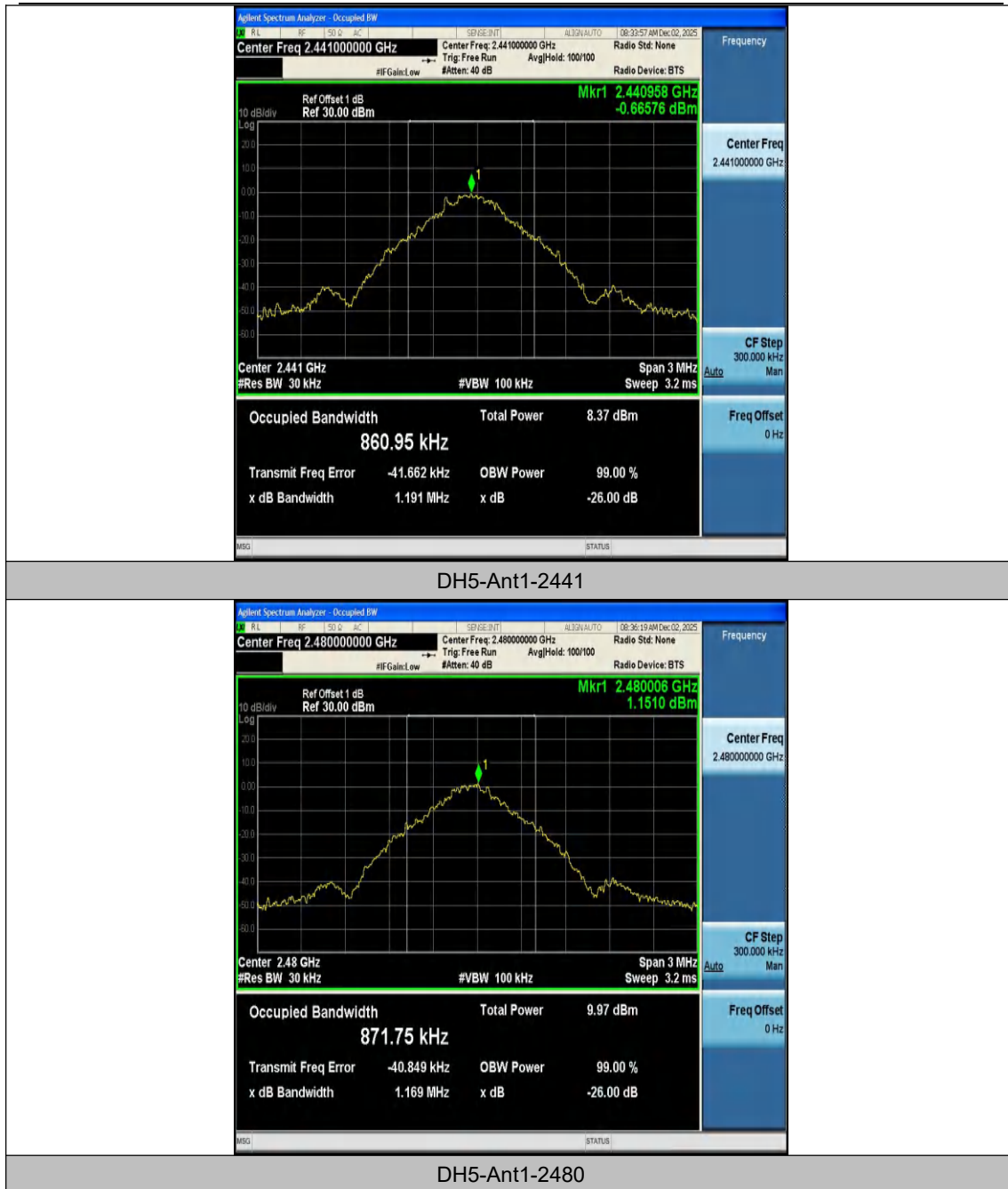
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87507	2401.5193	2402.3944	---	---
DH5	Ant1	2441	0.86095	2440.5279	2441.3888	---	---
DH5	Ant1	2480	0.87175	2479.5233	2480.3950	---	---
2DH5	Ant1	2402	1.2081	2401.3478	2402.5559	---	---
2DH5	Ant1	2441	1.1889	2440.3599	2441.5488	---	---
2DH5	Ant1	2480	1.2025	2479.3508	2480.5533	---	---
3DH5	Ant1	2402	1.2122	2401.3452	2402.5574	---	---
3DH5	Ant1	2441	1.2065	2440.3462	2441.5527	---	---
3DH5	Ant1	2480	1.1925	2479.3573	2480.5498	---	---

Test Graphs

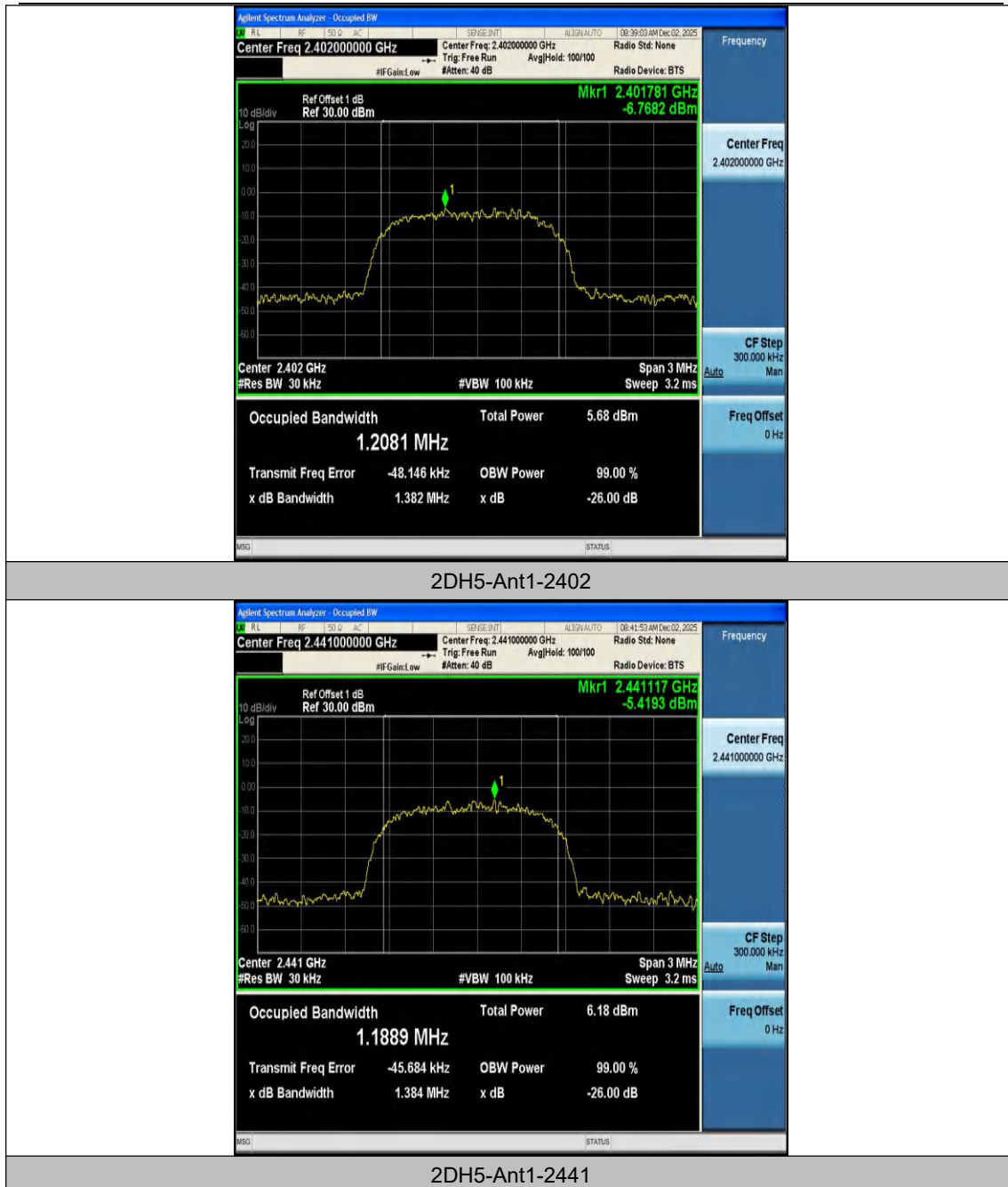


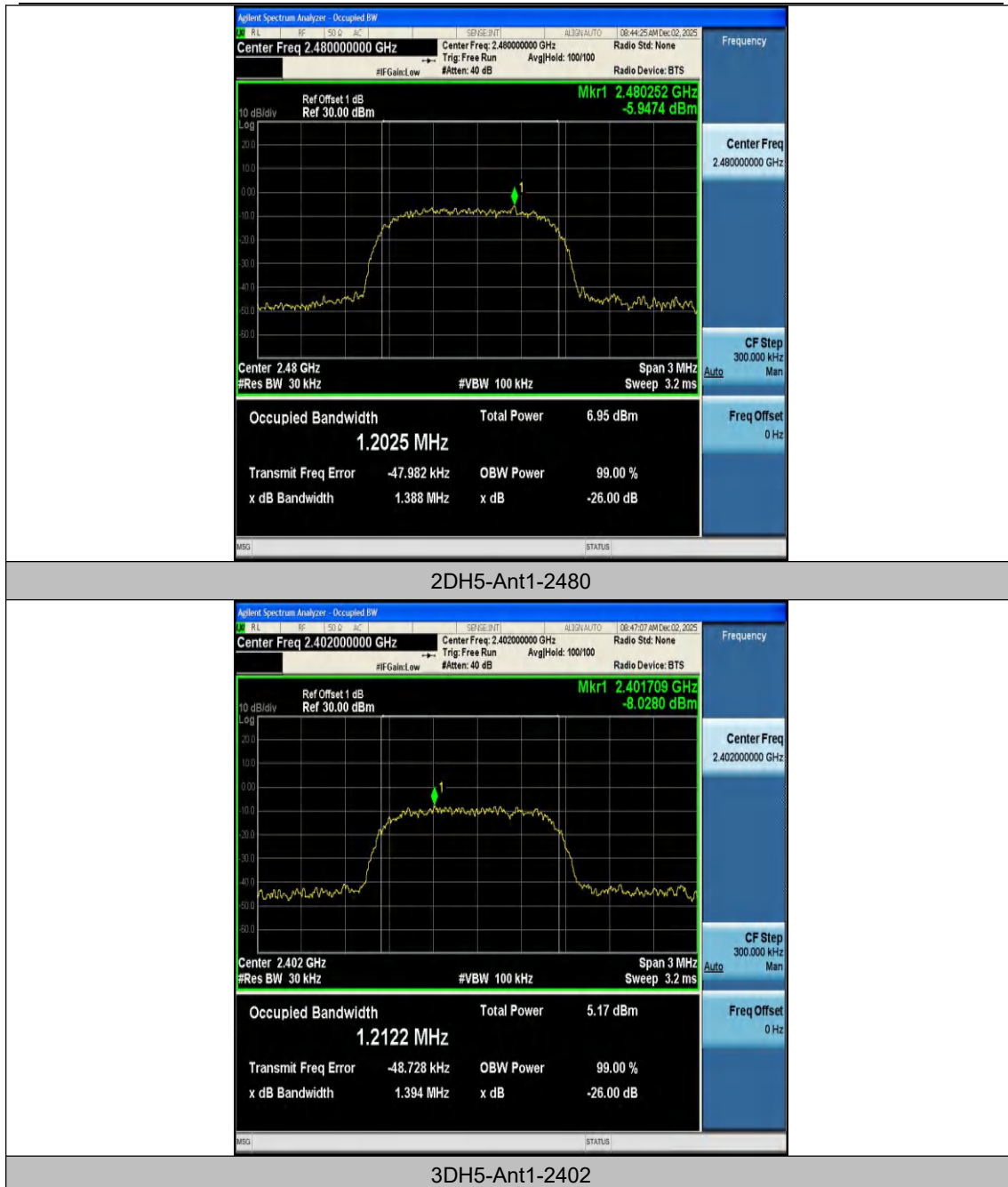


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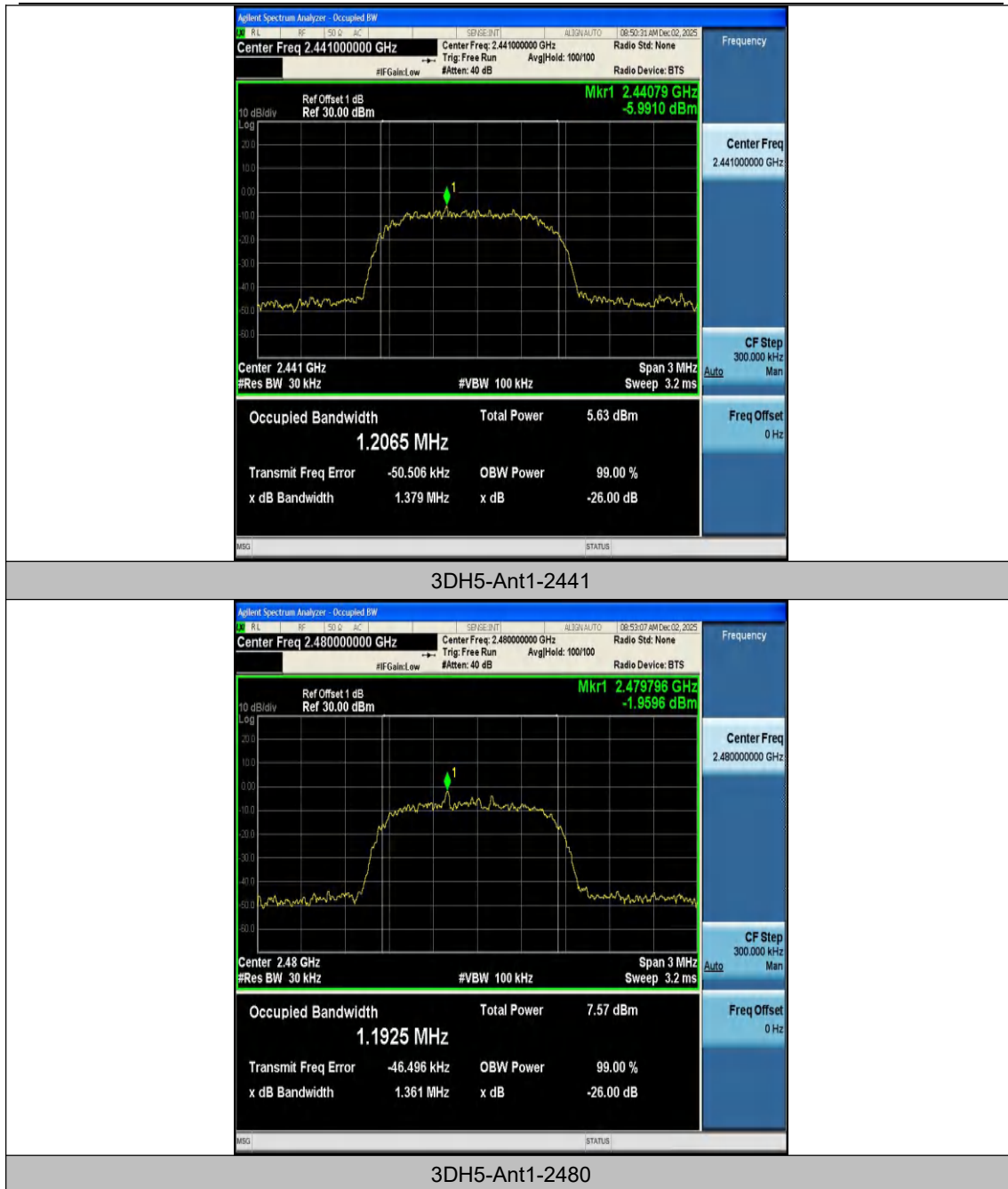




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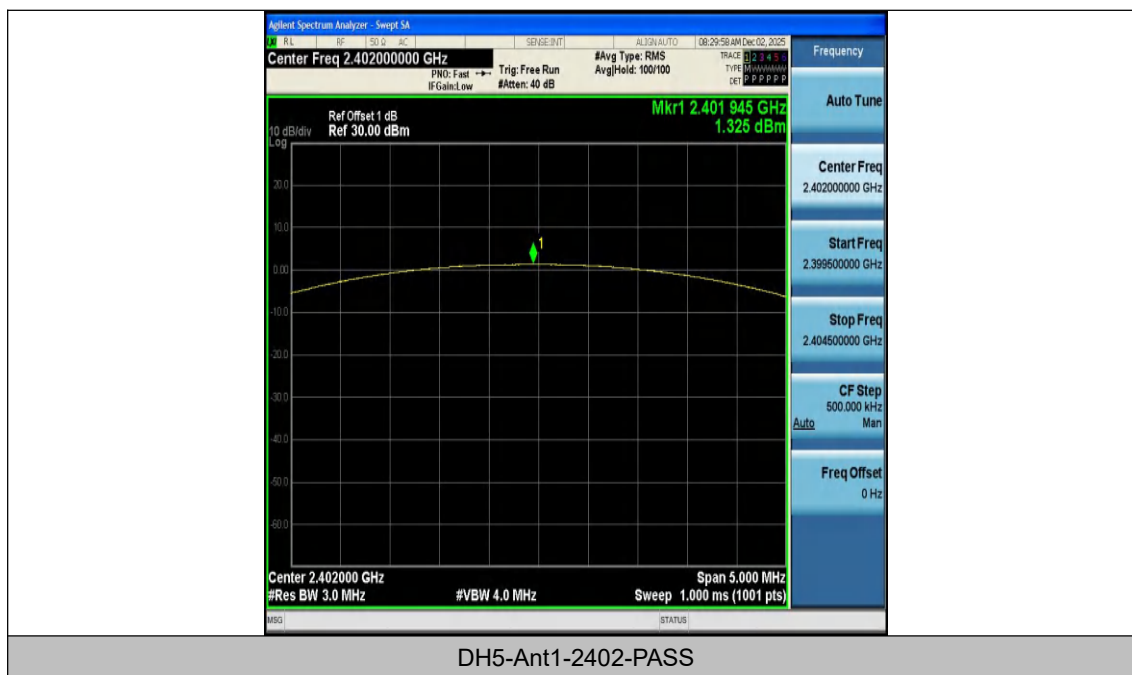
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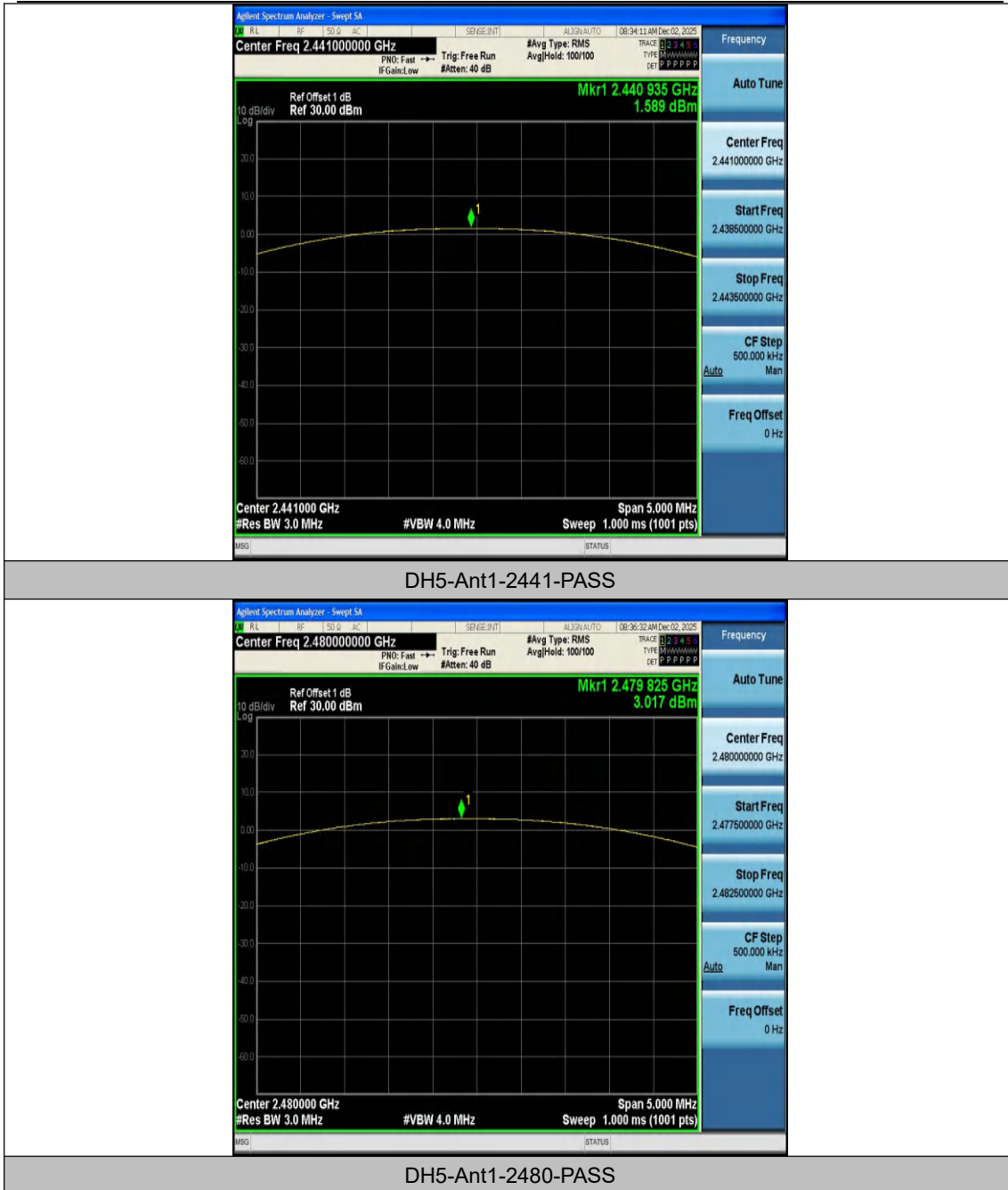
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.33	≤20.97	PASS
DH5	Ant1	2441	1.59	≤20.97	PASS
DH5	Ant1	2480	3.02	≤20.97	PASS
2DH5	Ant1	2402	0.84	≤20.97	PASS
2DH5	Ant1	2441	1.09	≤20.97	PASS
2DH5	Ant1	2480	2.46	≤20.97	PASS
3DH5	Ant1	2402	1.32	≤20.97	PASS
3DH5	Ant1	2441	1.63	≤20.97	PASS
3DH5	Ant1	2480	2.96	≤20.97	PASS

Test Graphs

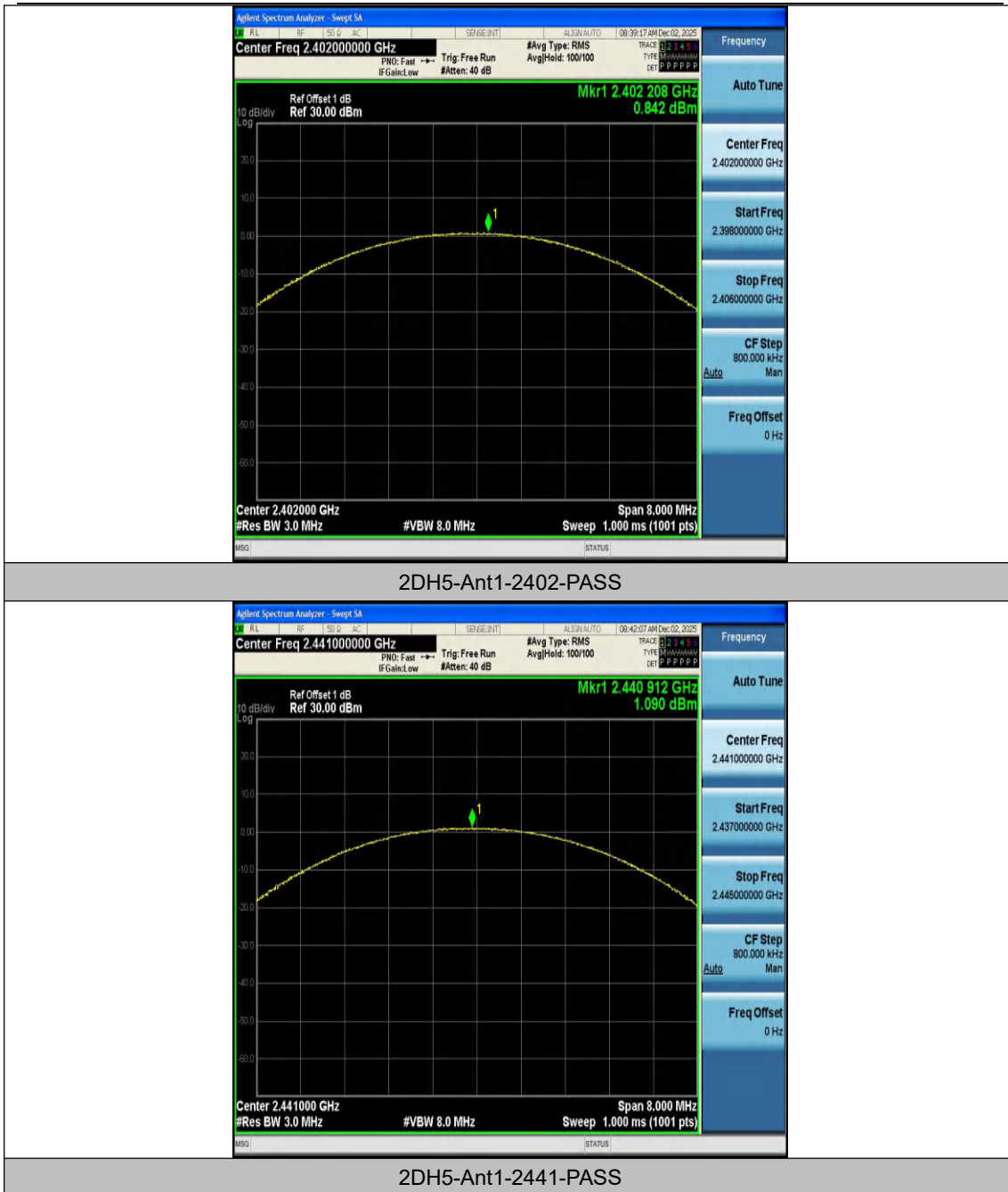




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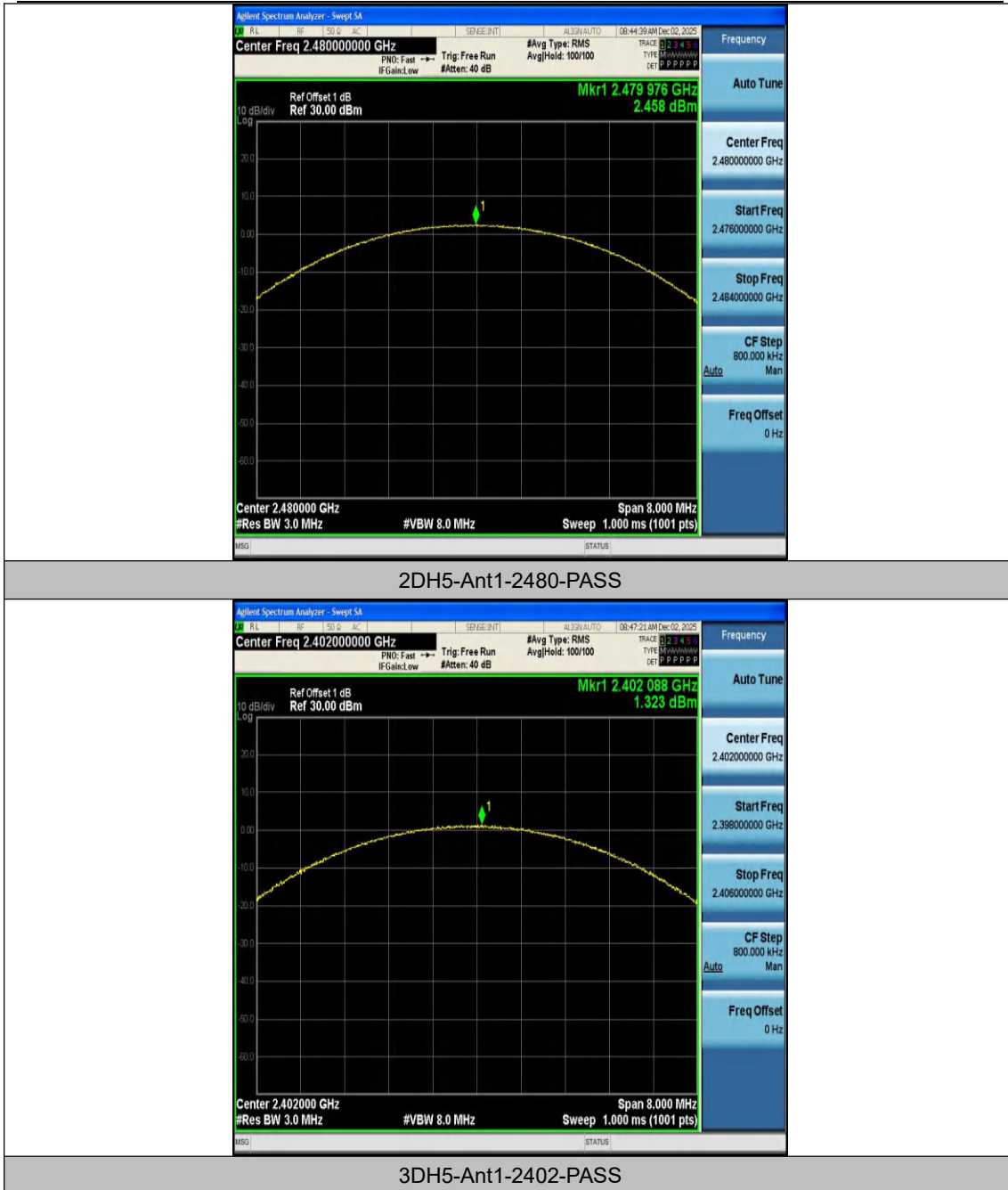
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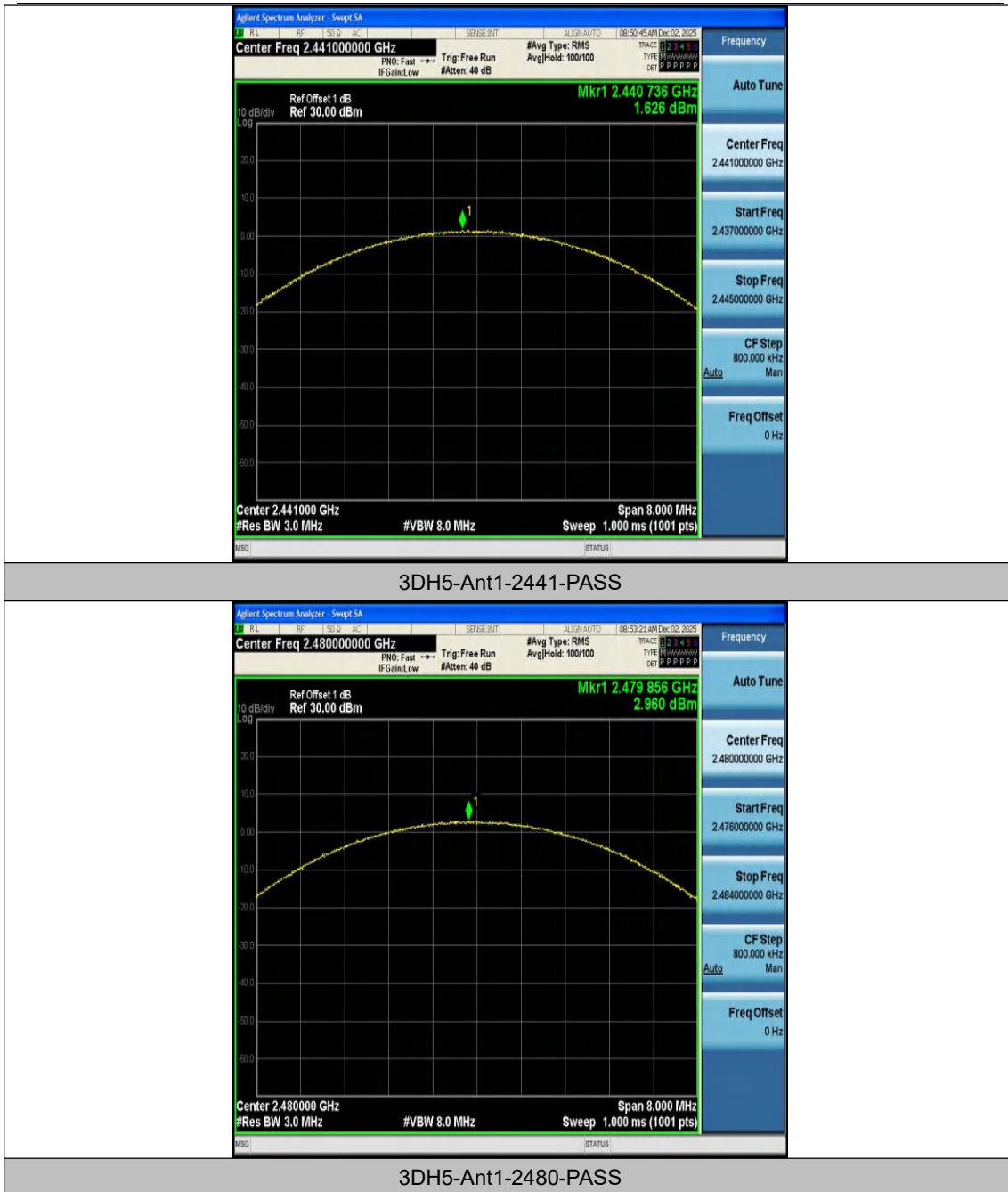
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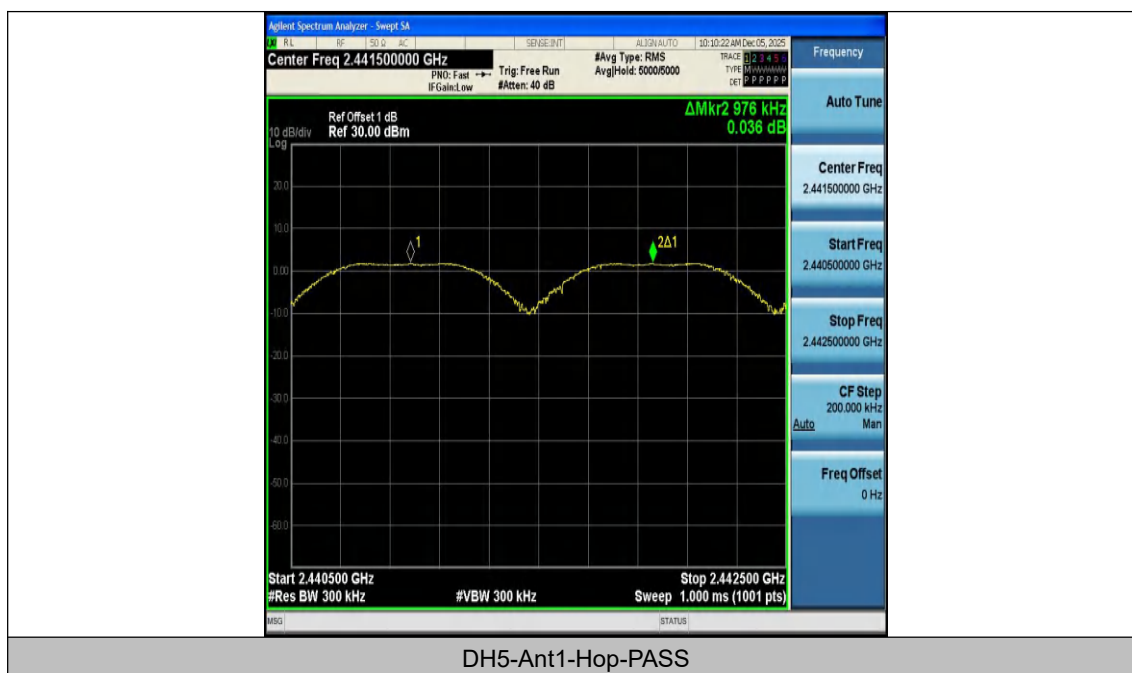
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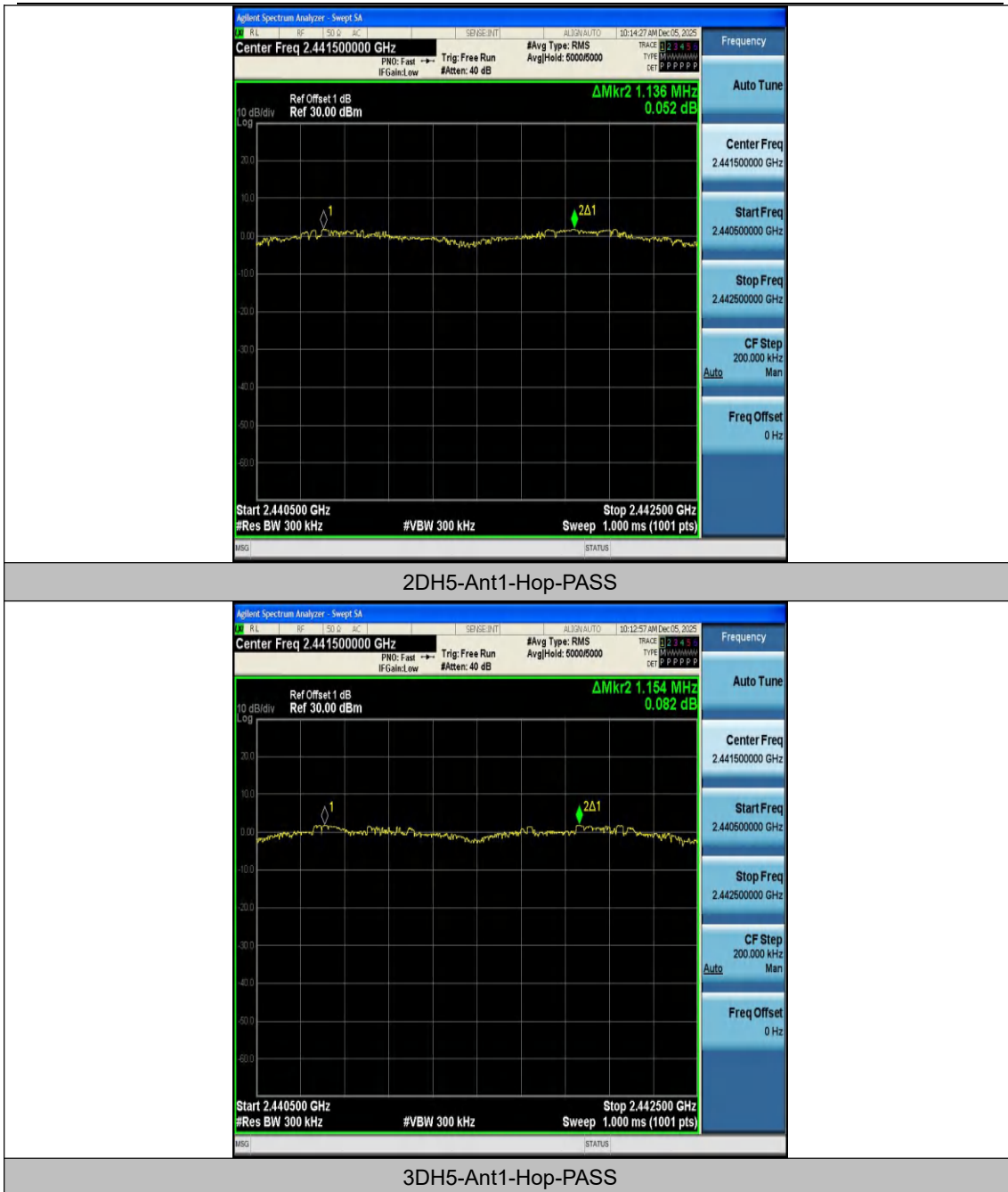
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥0.648	PASS
2DH5	Ant1	Hop	1.136	≥0.894	PASS
3DH5	Ant1	Hop	1.154	≥0.896	PASS

Test Graphs





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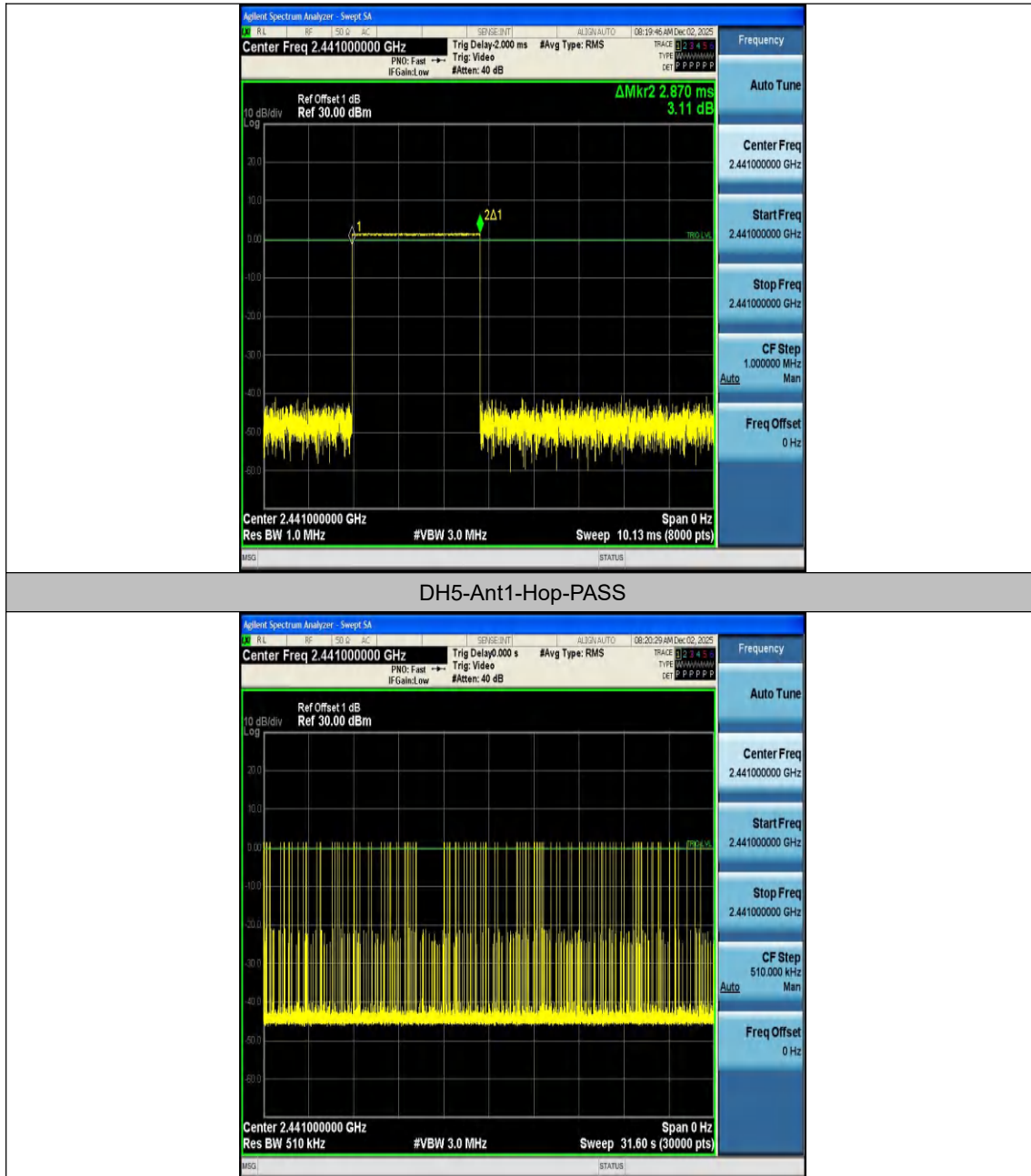
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.870	115	0.33	≤0.4	PASS
2DH5	Ant1	Hop	2.877	102	0.293	≤0.4	PASS
3DH5	Ant1	Hop	2.878	111	0.319	≤0.4	PASS

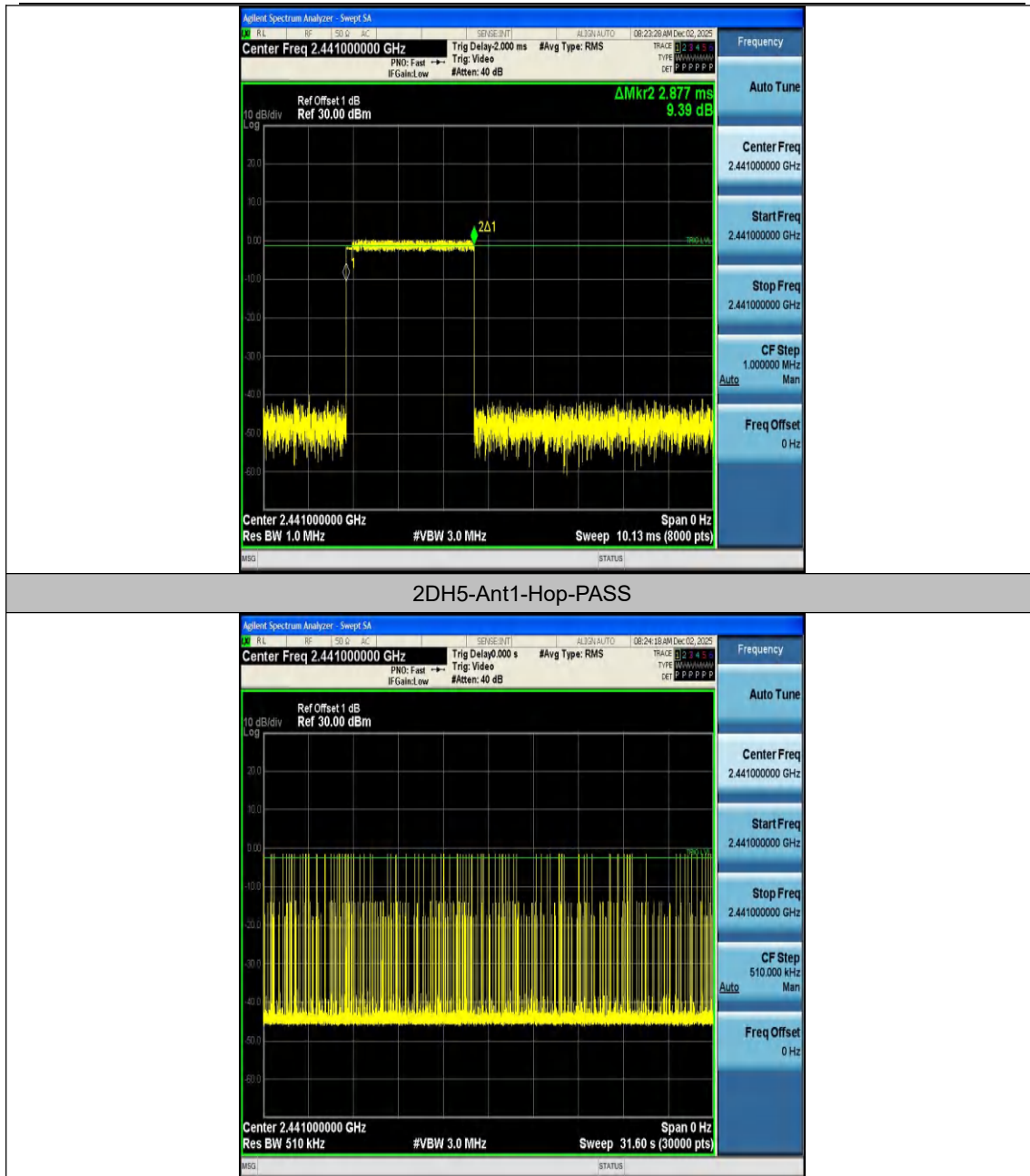
Test Graphs



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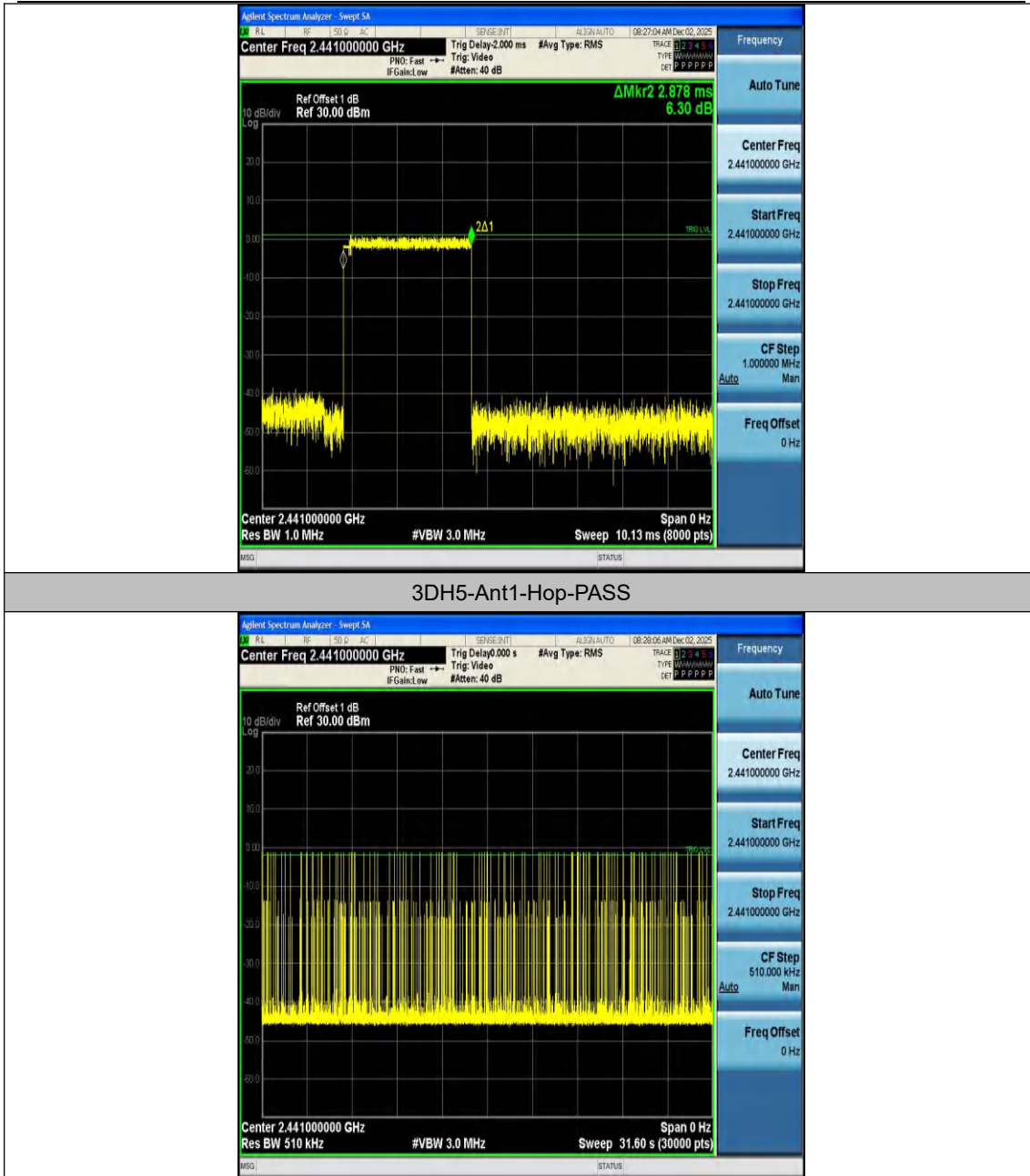
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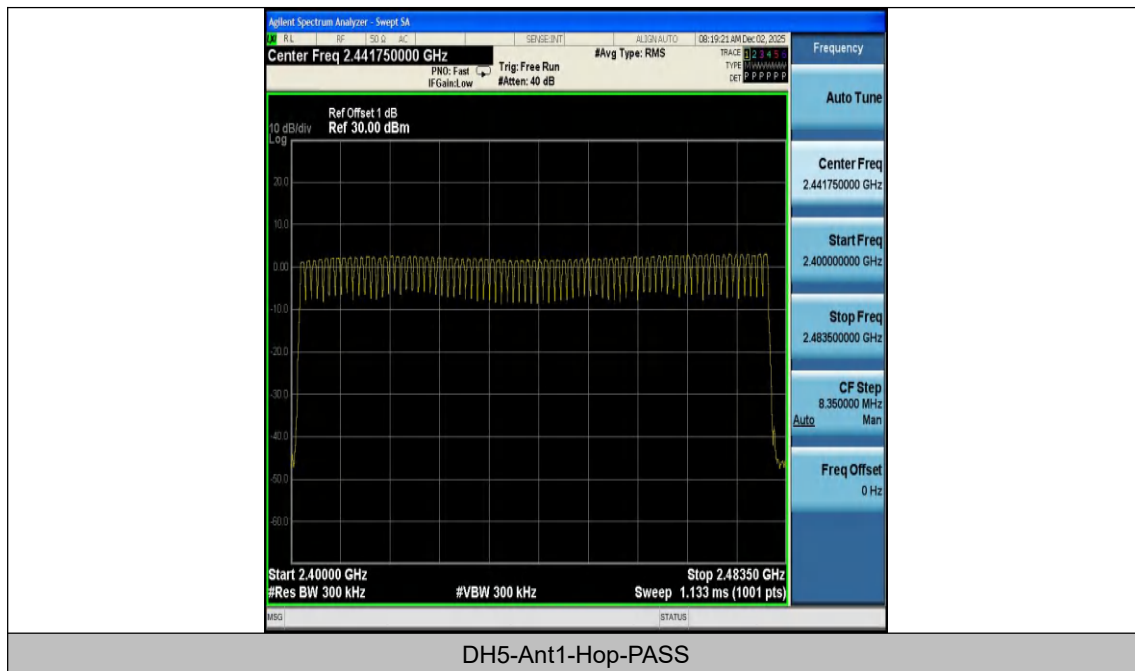
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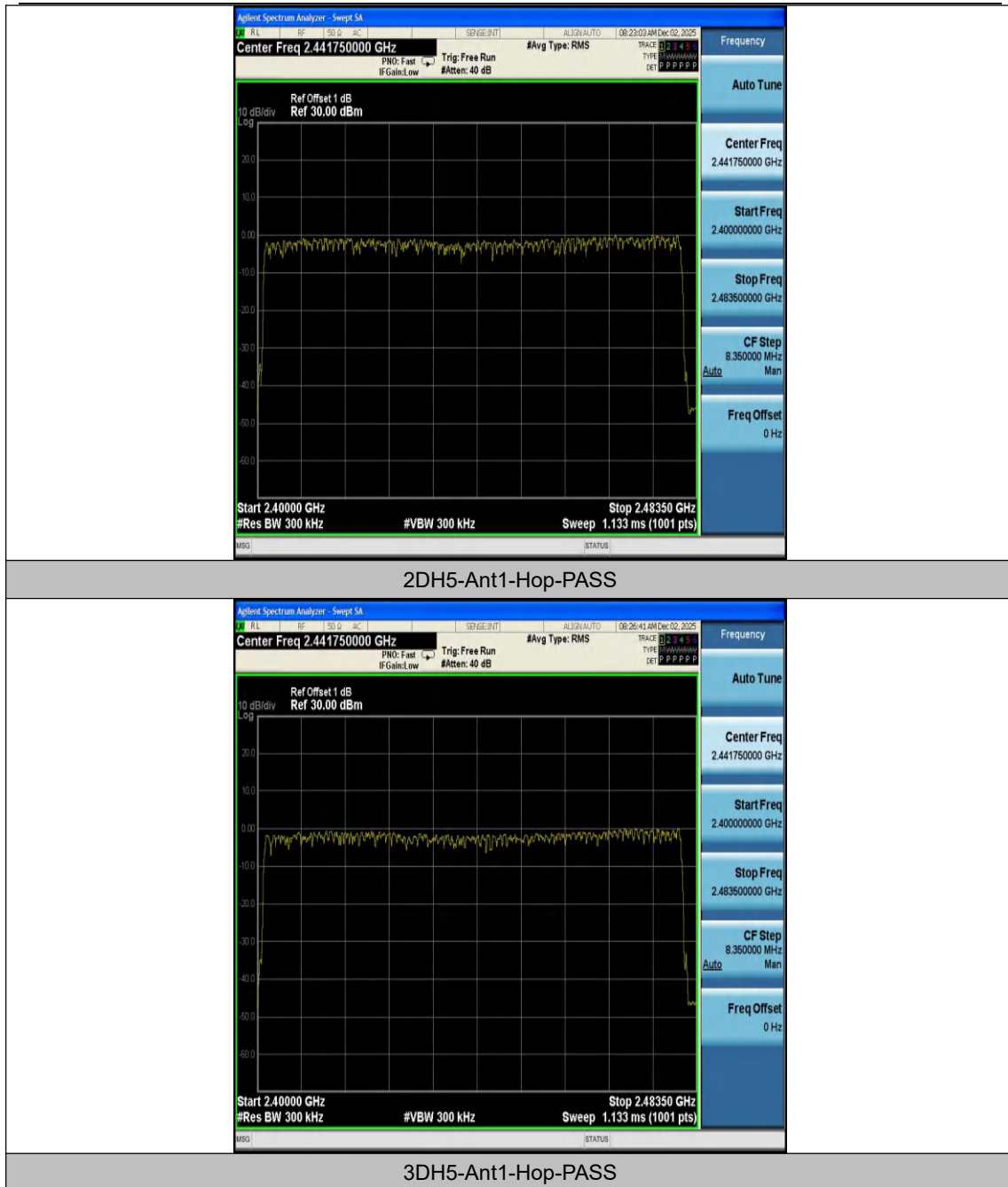
Appendix F: Number of Hopping Channel

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

Test Graphs





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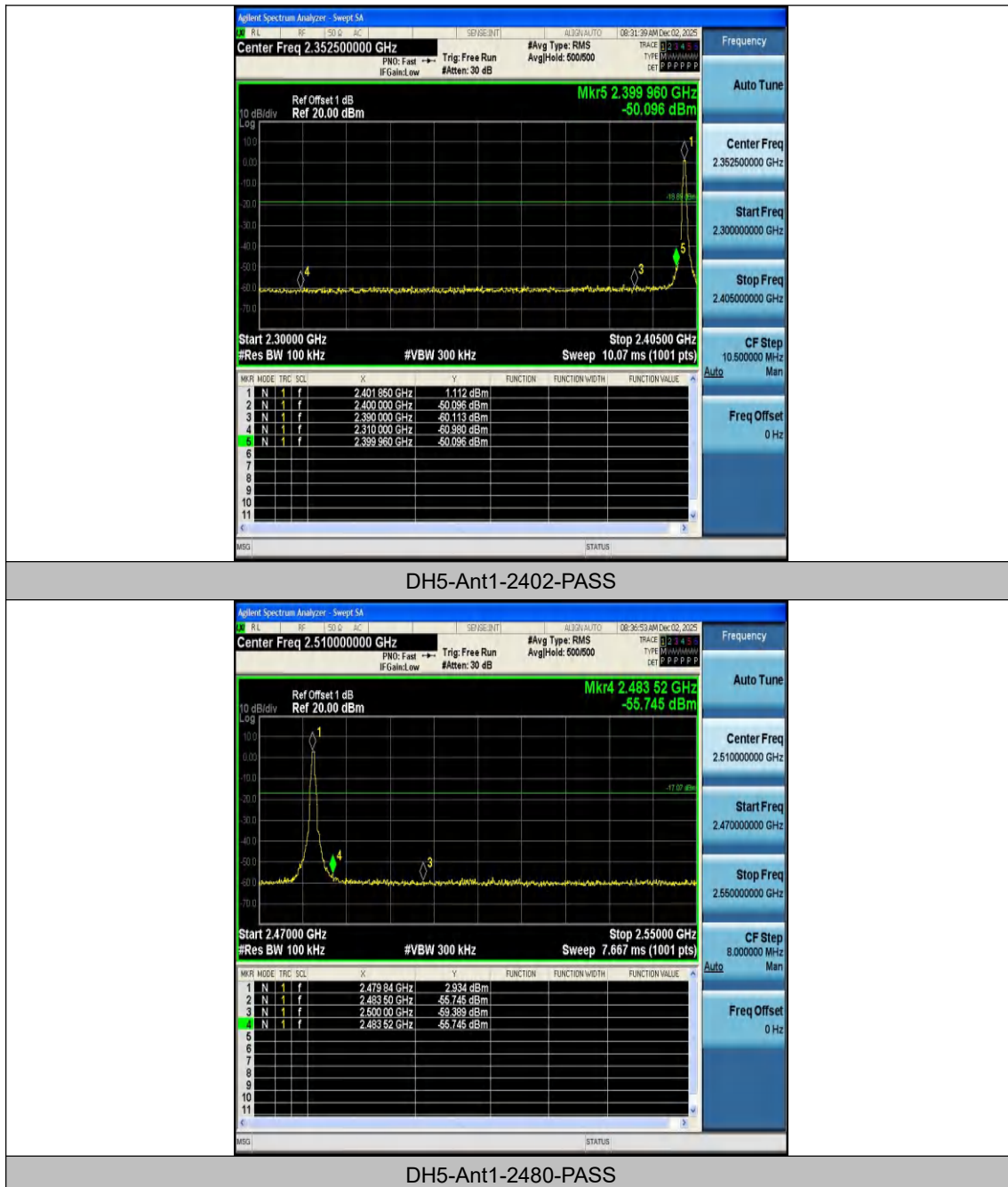
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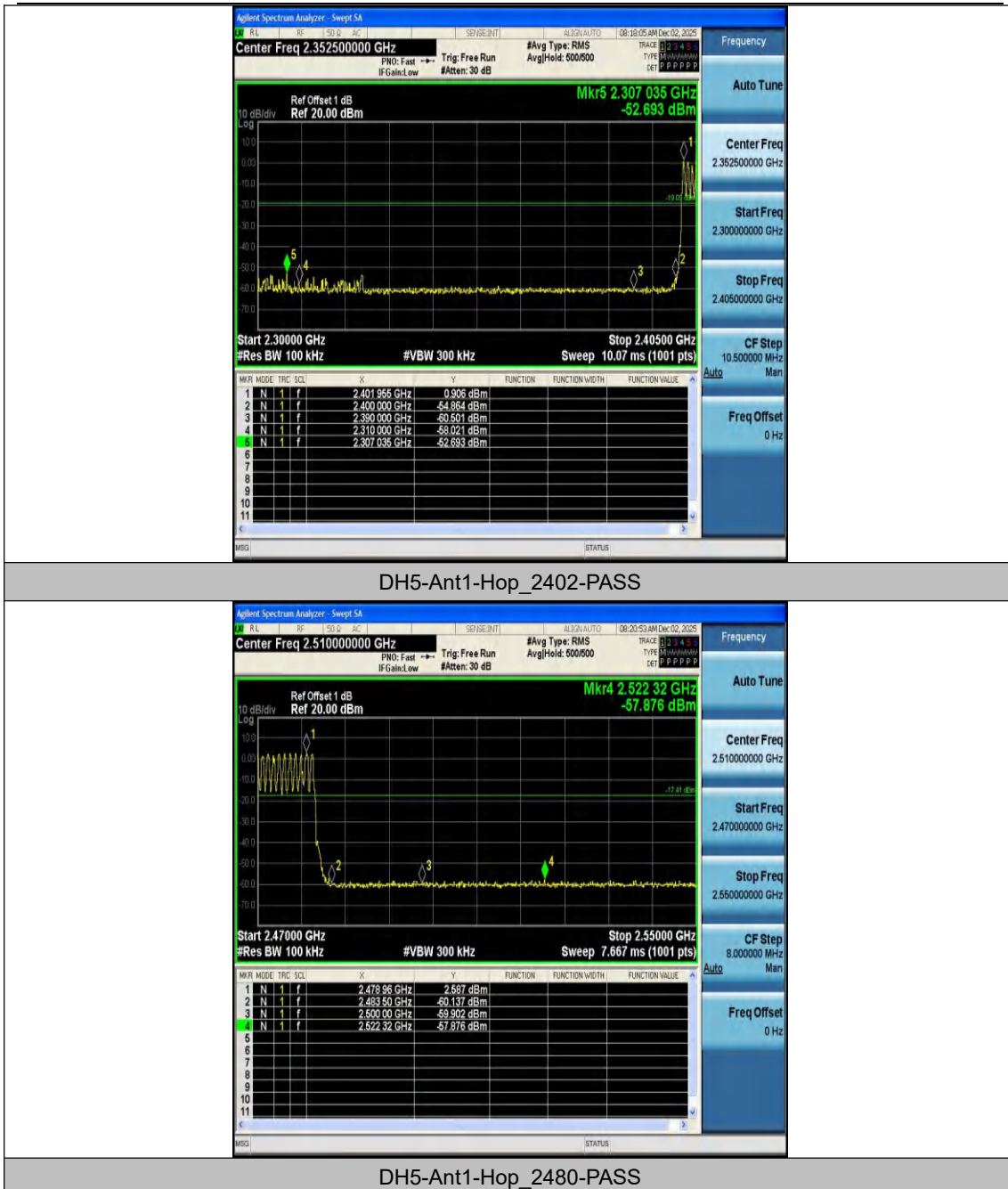
Appendix G: Conducted Band edge

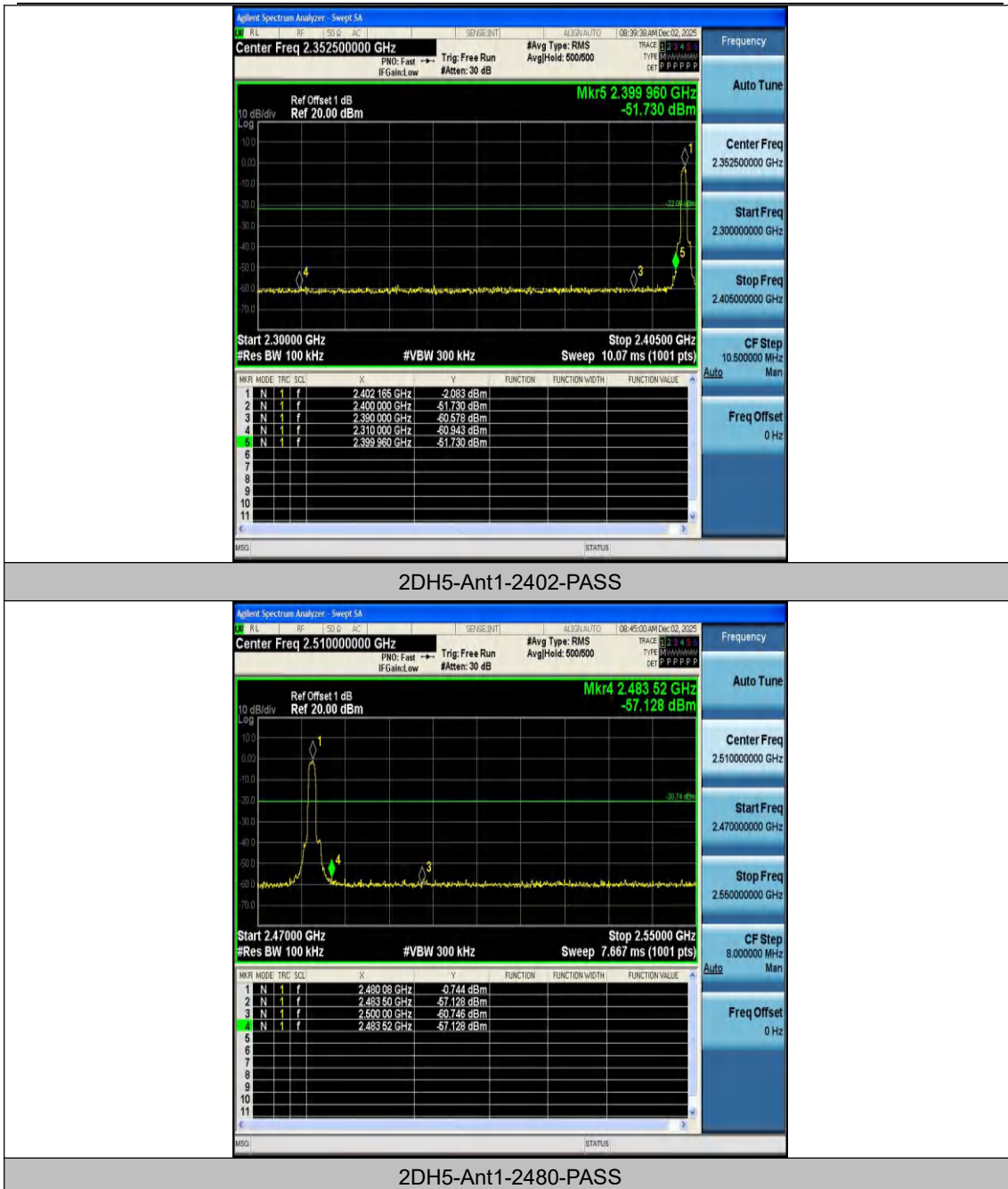
Test Result

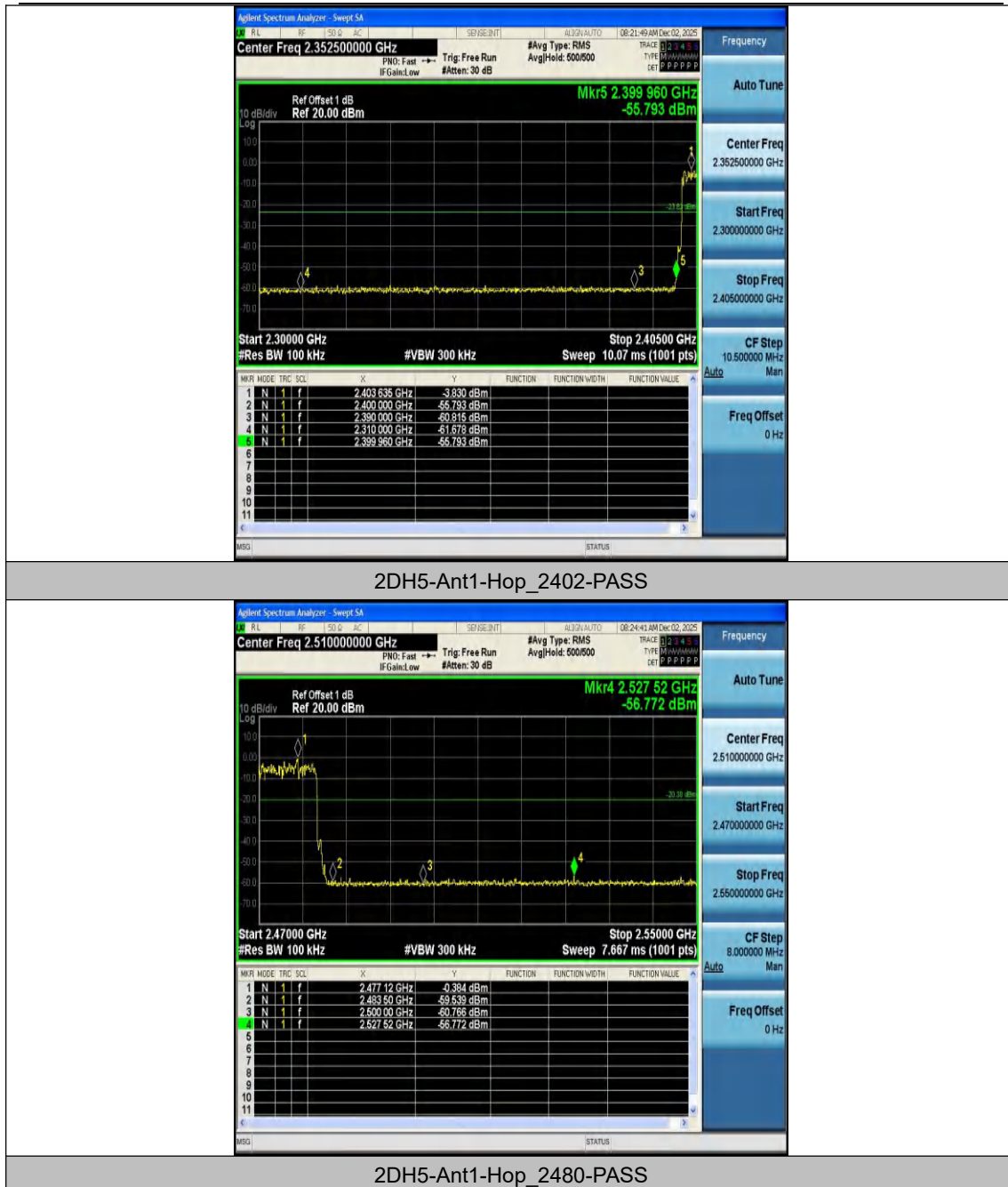
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.11	-50.1	≤-18.89	PASS
DH5	Ant1	High	2480	2.93	-55.75	≤-17.07	PASS
DH5	Ant1	Low	Hop_2402	0.91	-52.69	≤-19.09	PASS
DH5	Ant1	High	Hop_2480	2.59	-57.88	≤-17.41	PASS
2DH5	Ant1	Low	2402	-2.08	-51.73	≤-22.08	PASS
2DH5	Ant1	High	2480	-0.74	-57.13	≤-20.74	PASS
2DH5	Ant1	Low	Hop_2402	-3.83	-55.79	≤-23.83	PASS
2DH5	Ant1	High	Hop_2480	-0.38	-56.77	≤-20.38	PASS
3DH5	Ant1	Low	2402	-2.11	-52.89	≤-22.11	PASS
3DH5	Ant1	High	2480	-0.31	-57.13	≤-20.31	PASS
3DH5	Ant1	Low	Hop_2402	-3.28	-55.64	≤-23.28	PASS
3DH5	Ant1	High	Hop_2480	-1.06	-57.8	≤-21.06	PASS

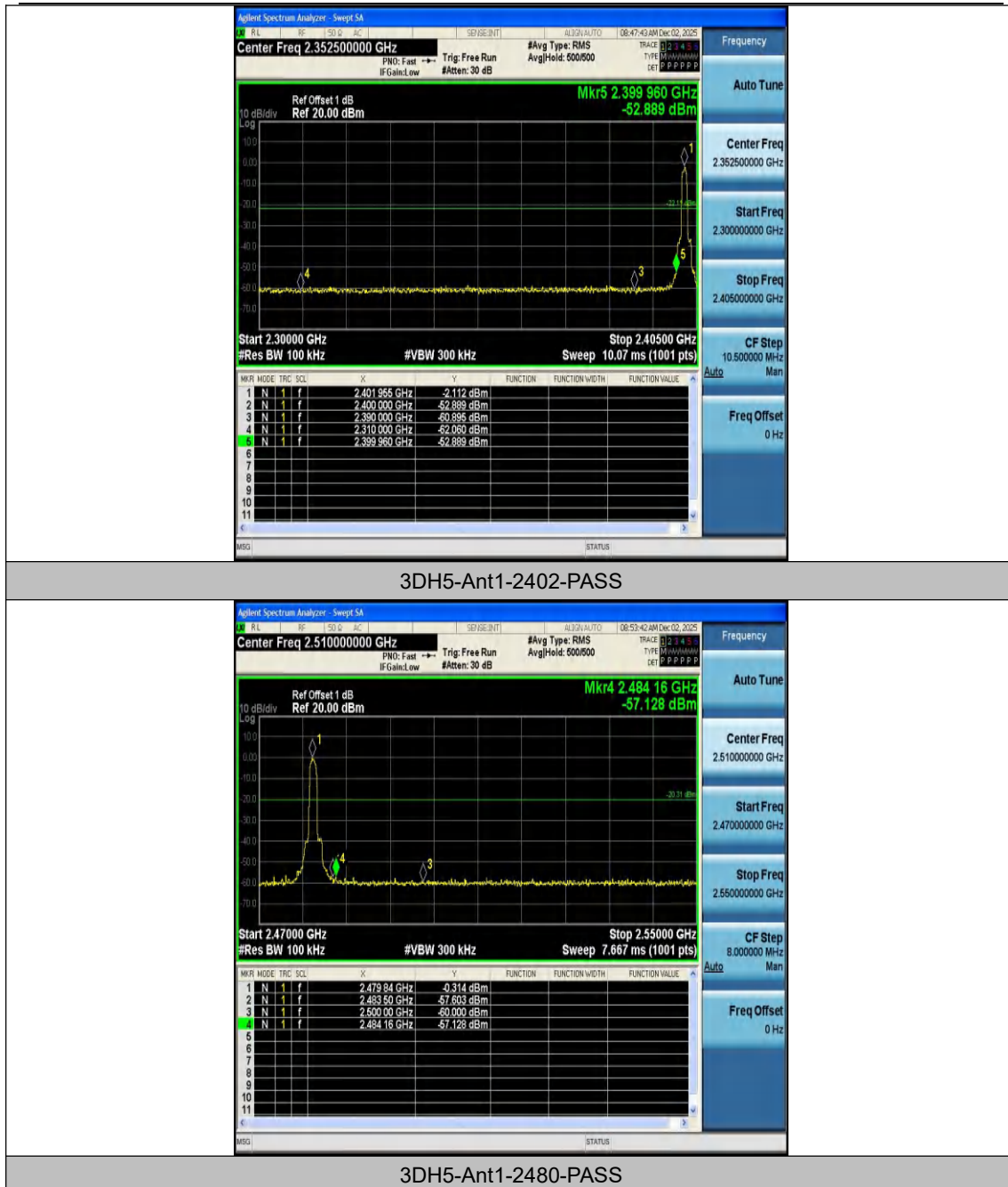
Test Graphs

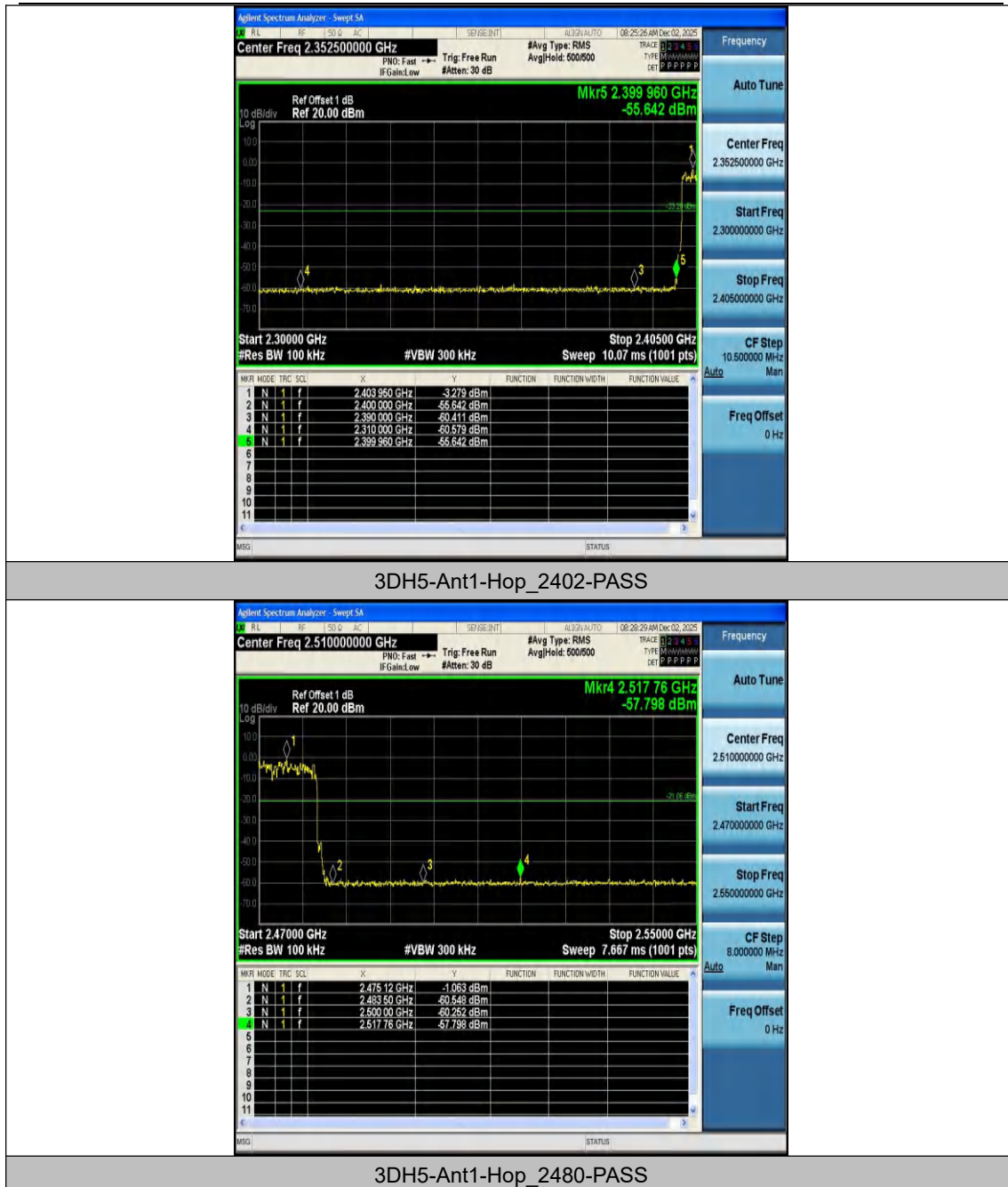












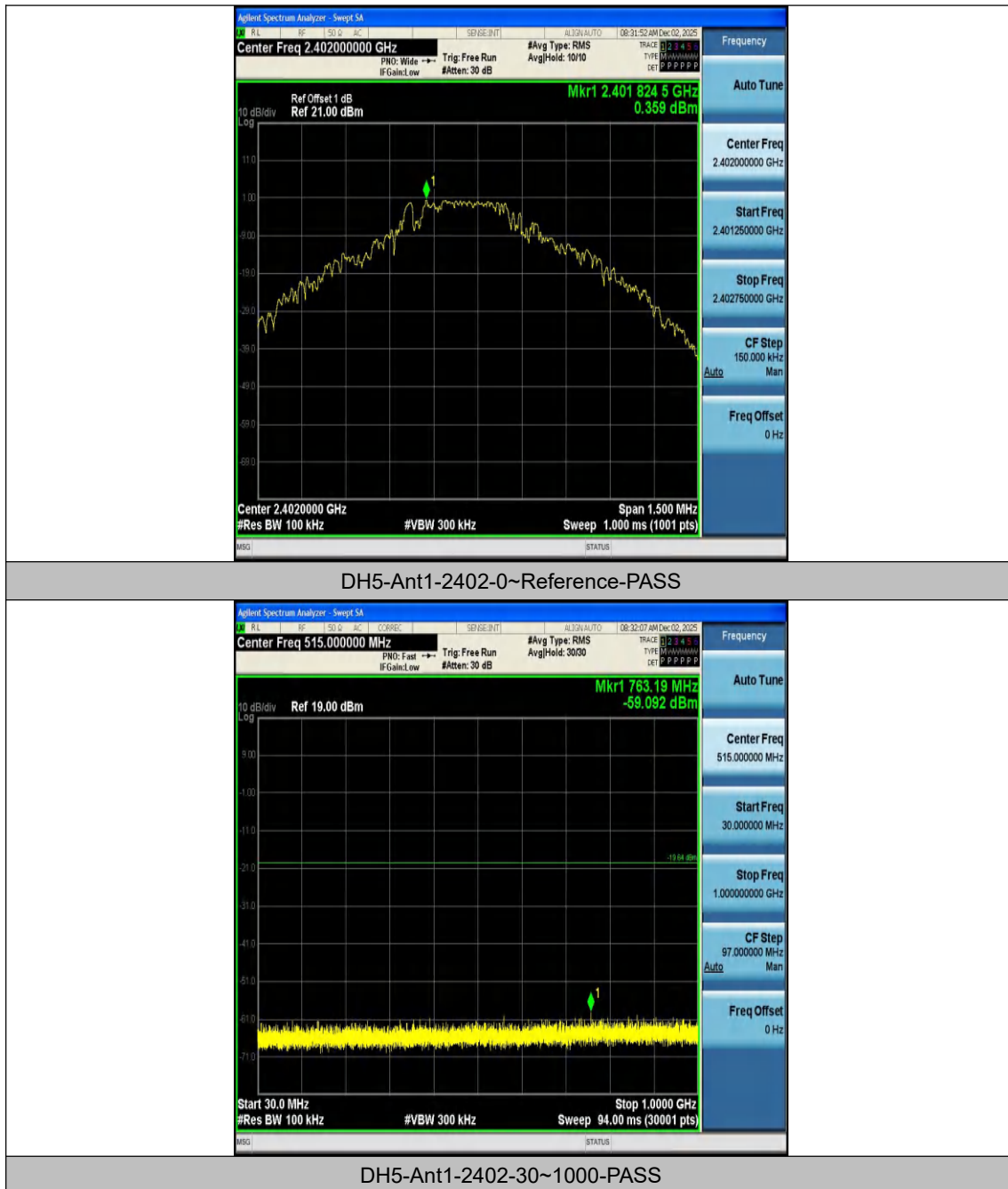
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.36	0.36	---	PASS
DH5	Ant1	2402	30~1000	0.36	-59.09	≤-19.64	PASS
DH5	Ant1	2402	1000~26500	0.36	-45.86	≤-19.64	PASS
DH5	Ant1	2441	0~Reference	0.84	0.84	---	PASS
DH5	Ant1	2441	30~1000	0.84	-59.65	≤-19.16	PASS
DH5	Ant1	2441	1000~26500	0.84	-45.39	≤-19.16	PASS
DH5	Ant1	2480	0~Reference	2.29	2.29	---	PASS
DH5	Ant1	2480	30~1000	2.29	-60.13	≤-17.71	PASS
DH5	Ant1	2480	1000~26500	2.29	-45.67	≤-17.71	PASS
2DH5	Ant1	2402	0~Reference	-4.07	-4.07	---	PASS
2DH5	Ant1	2402	30~1000	-4.07	-60.5	≤-24.07	PASS
2DH5	Ant1	2402	1000~26500	-4.07	-45.93	≤-24.07	PASS
2DH5	Ant1	2441	0~Reference	-3.09	-3.09	---	PASS
2DH5	Ant1	2441	30~1000	-3.09	-59.99	≤-23.09	PASS
2DH5	Ant1	2441	1000~26500	-3.09	-45.58	≤-23.09	PASS
2DH5	Ant1	2480	0~Reference	-1.69	-1.69	---	PASS
2DH5	Ant1	2480	30~1000	-1.69	-59.81	≤-21.69	PASS
2DH5	Ant1	2480	1000~26500	-1.69	-45.77	≤-21.69	PASS
3DH5	Ant1	2402	0~Reference	-3.97	-3.97	---	PASS
3DH5	Ant1	2402	30~1000	-3.97	-60.01	≤-23.97	PASS
3DH5	Ant1	2402	1000~26500	-3.97	-46.84	≤-23.97	PASS
3DH5	Ant1	2441	0~Reference	-3.34	-3.34	---	PASS
3DH5	Ant1	2441	30~1000	-3.34	-59.89	≤-23.34	PASS
3DH5	Ant1	2441	1000~26500	-3.34	-46.14	≤-23.34	PASS
3DH5	Ant1	2480	0~Reference	-2.36	-2.36	---	PASS
3DH5	Ant1	2480	30~1000	-2.36	-60.04	≤-22.36	PASS
3DH5	Ant1	2480	1000~26500	-2.36	-45.45	≤-22.36	PASS

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

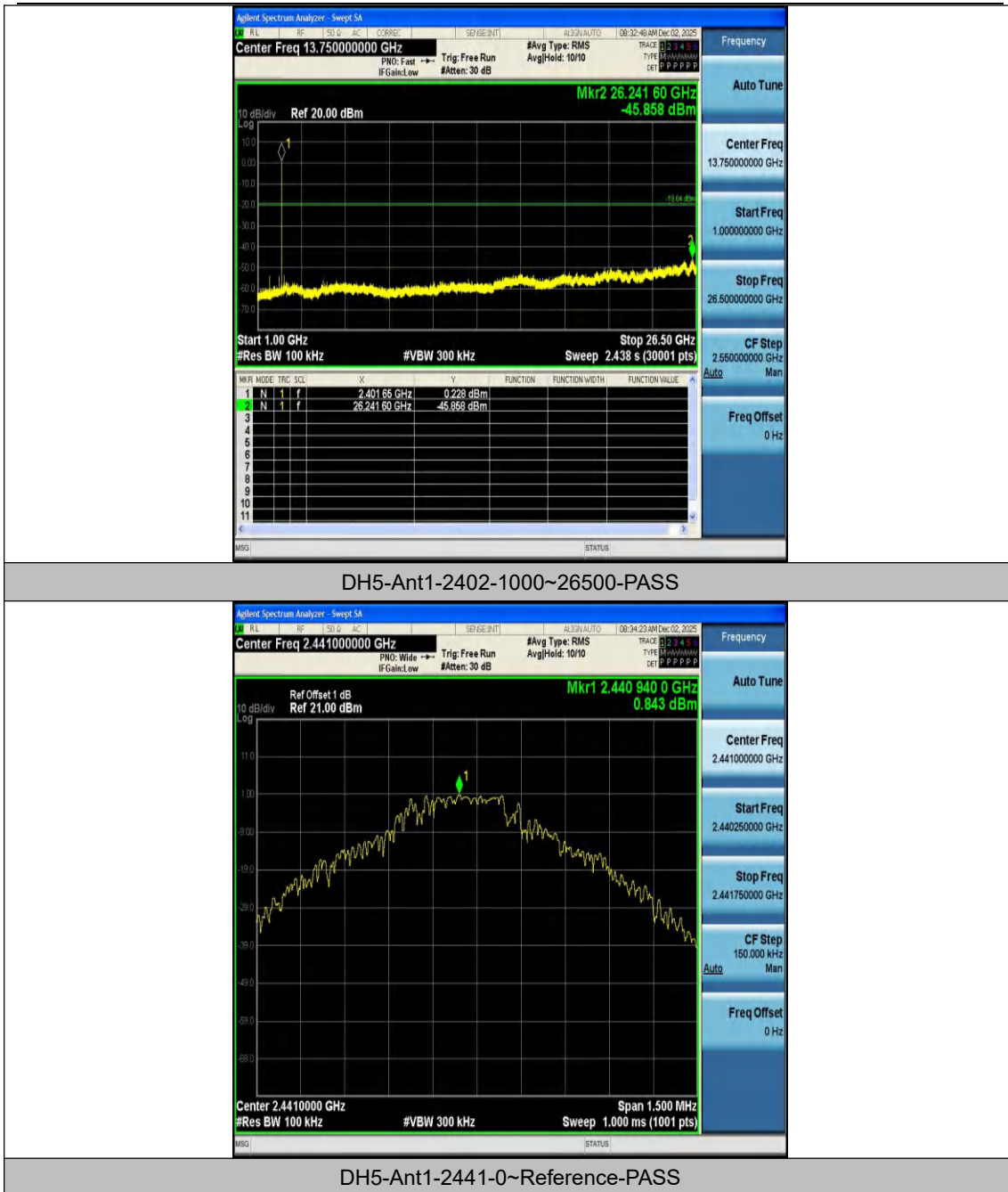
Test Graphs



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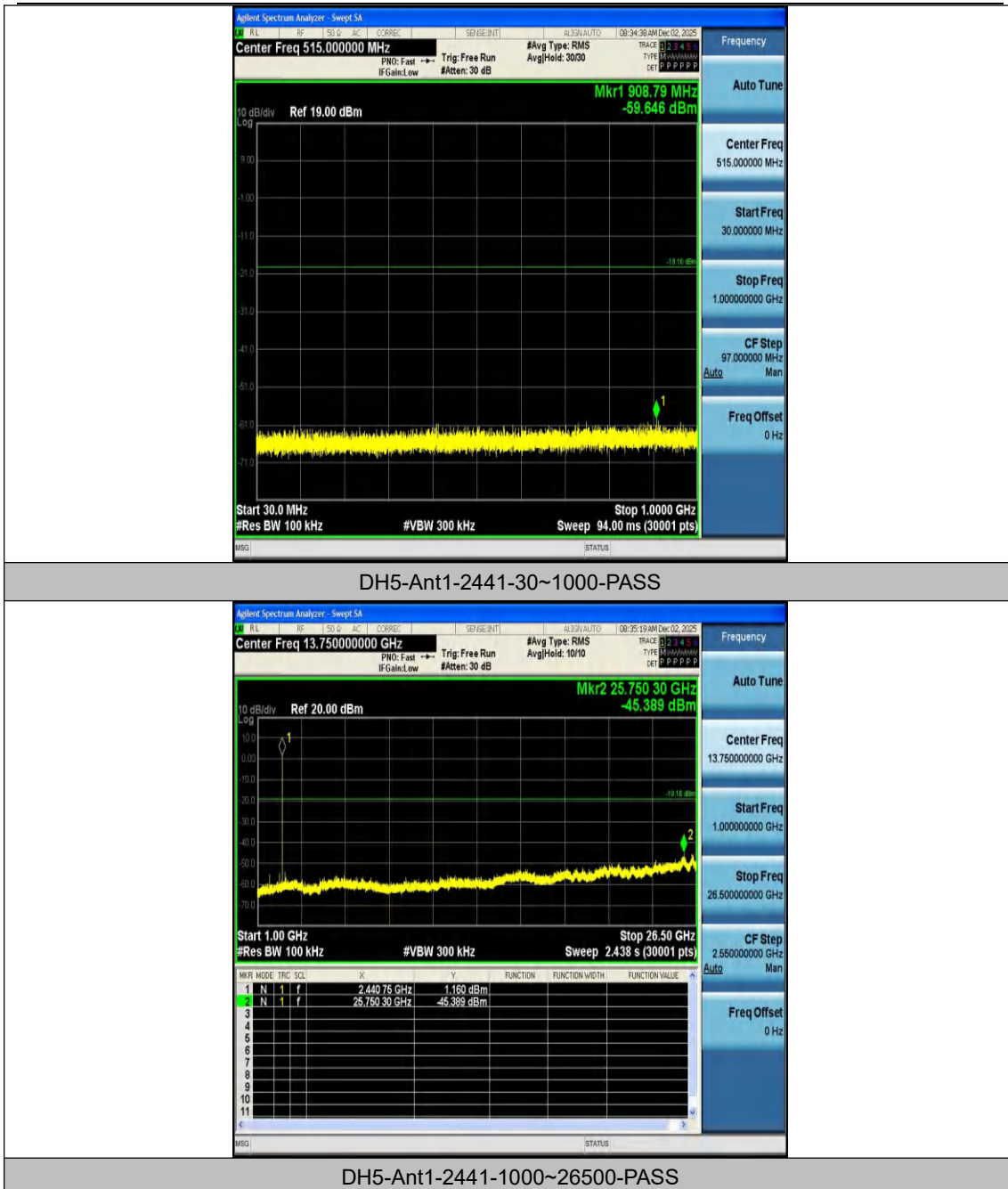
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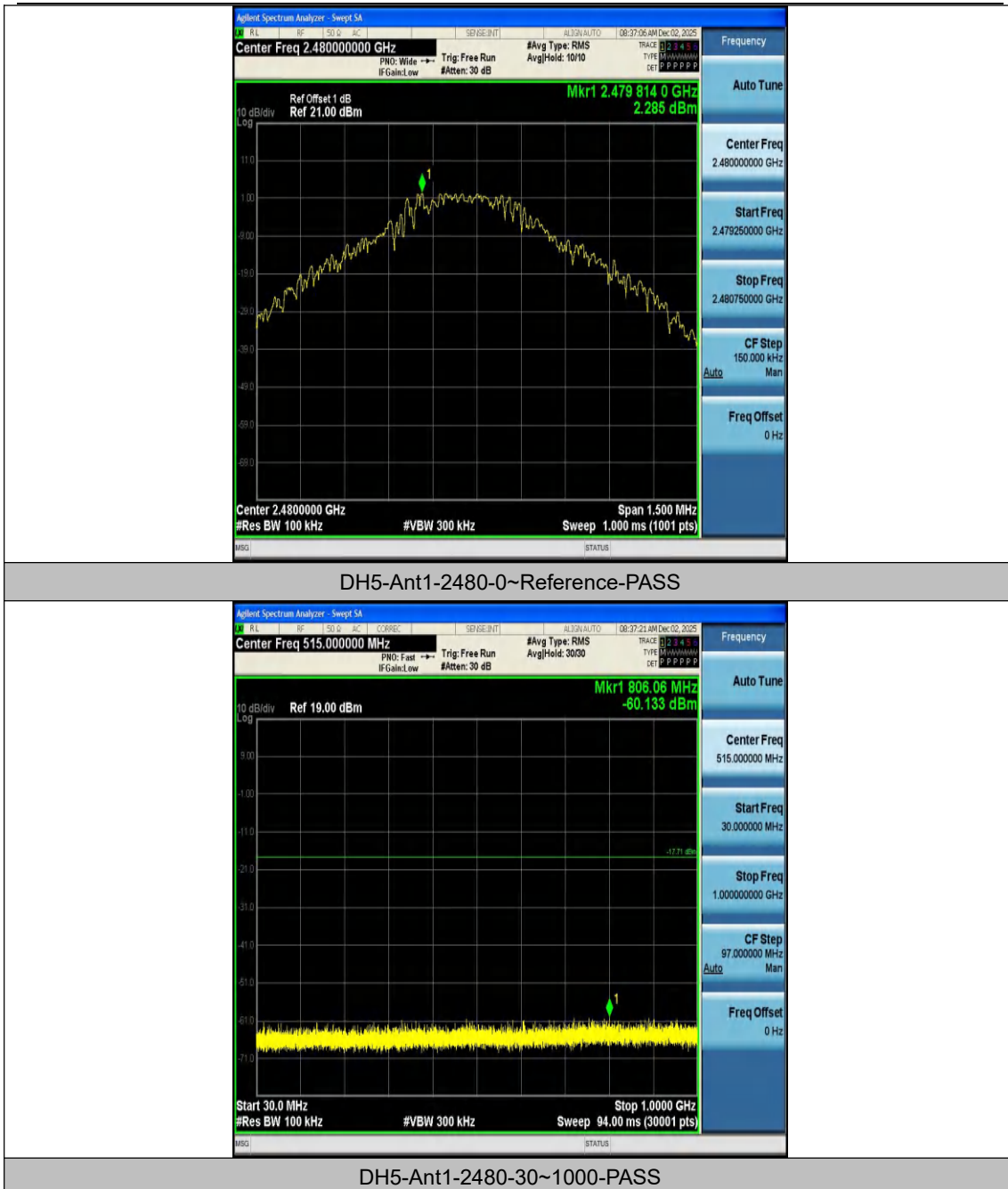
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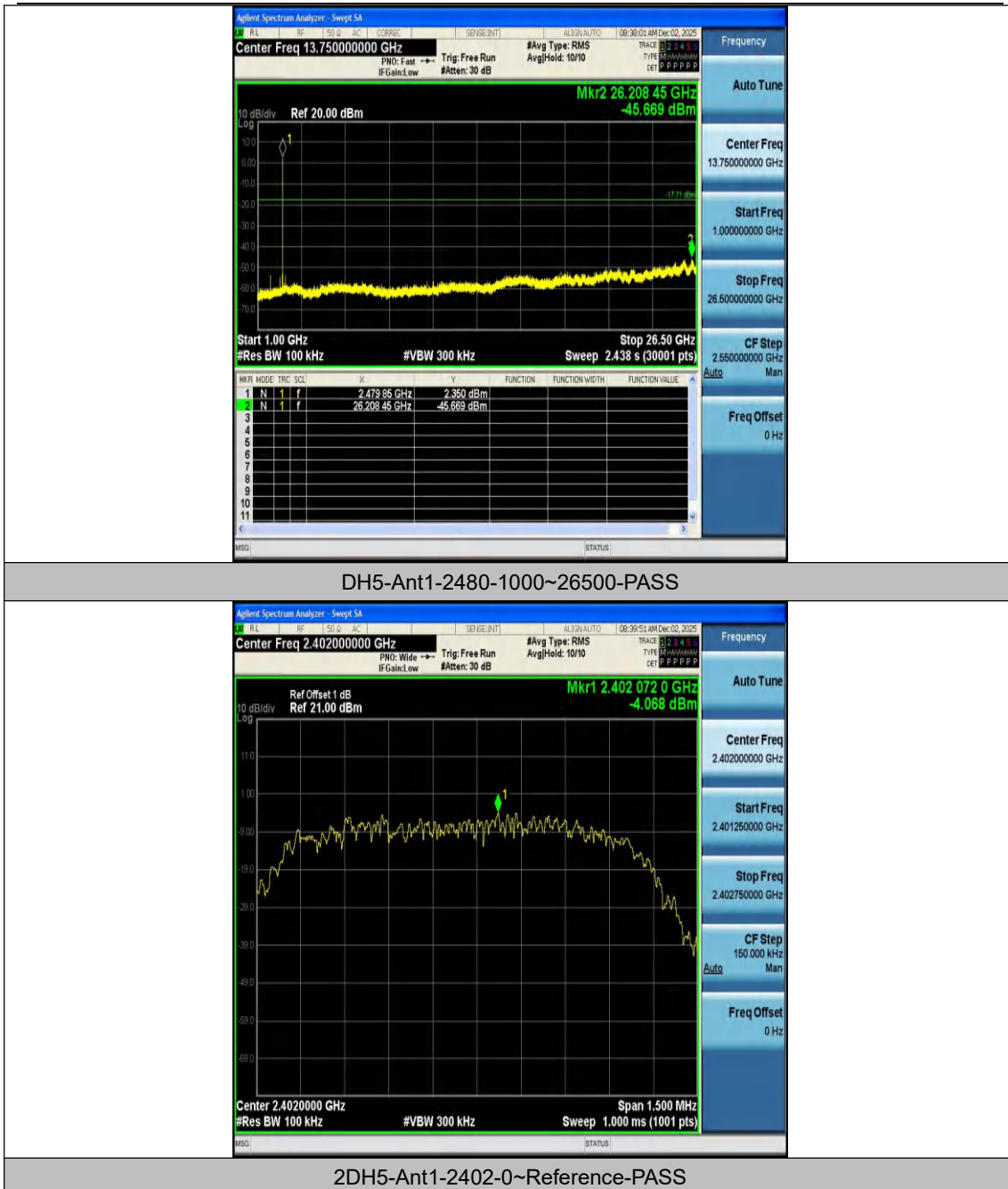
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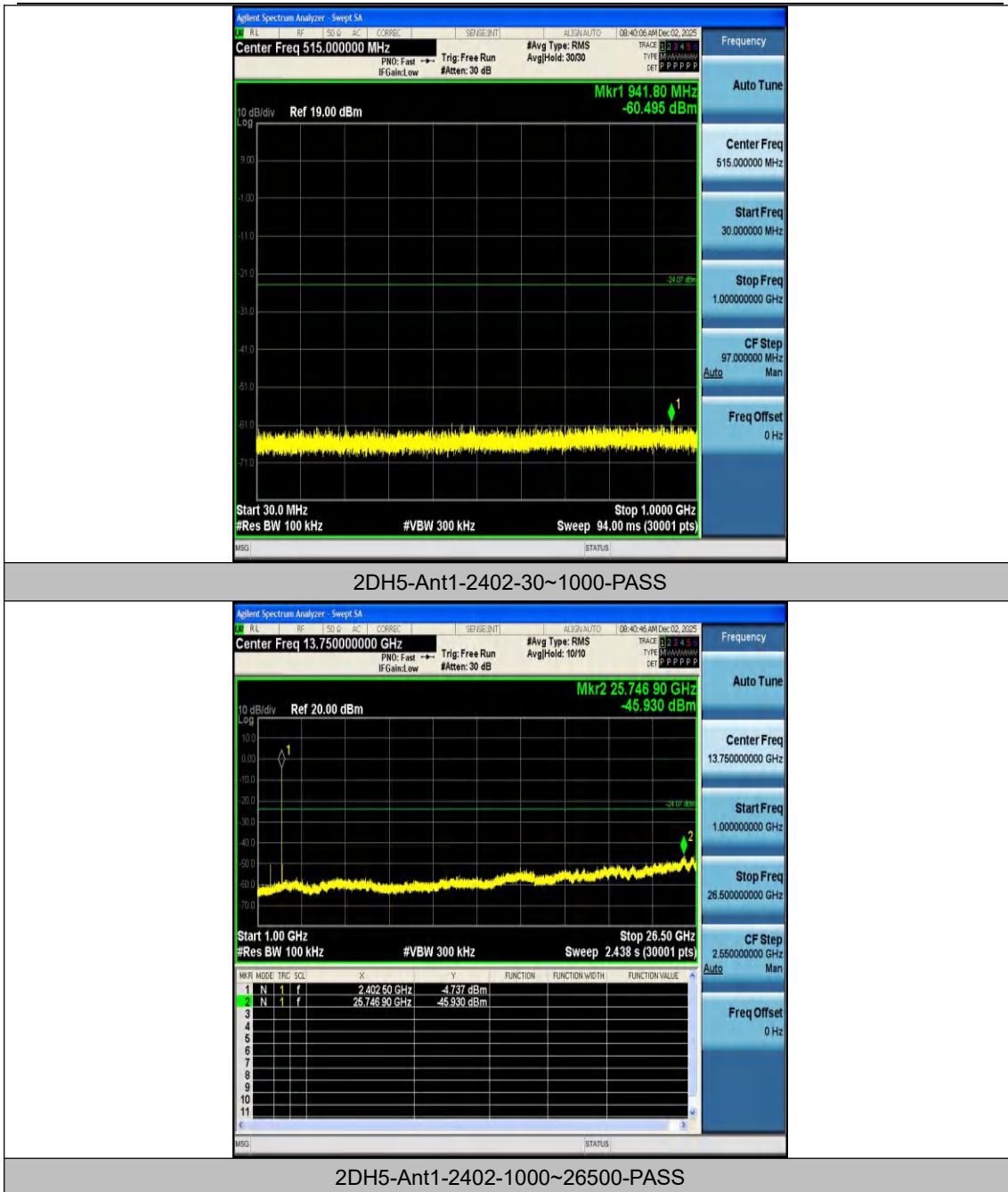
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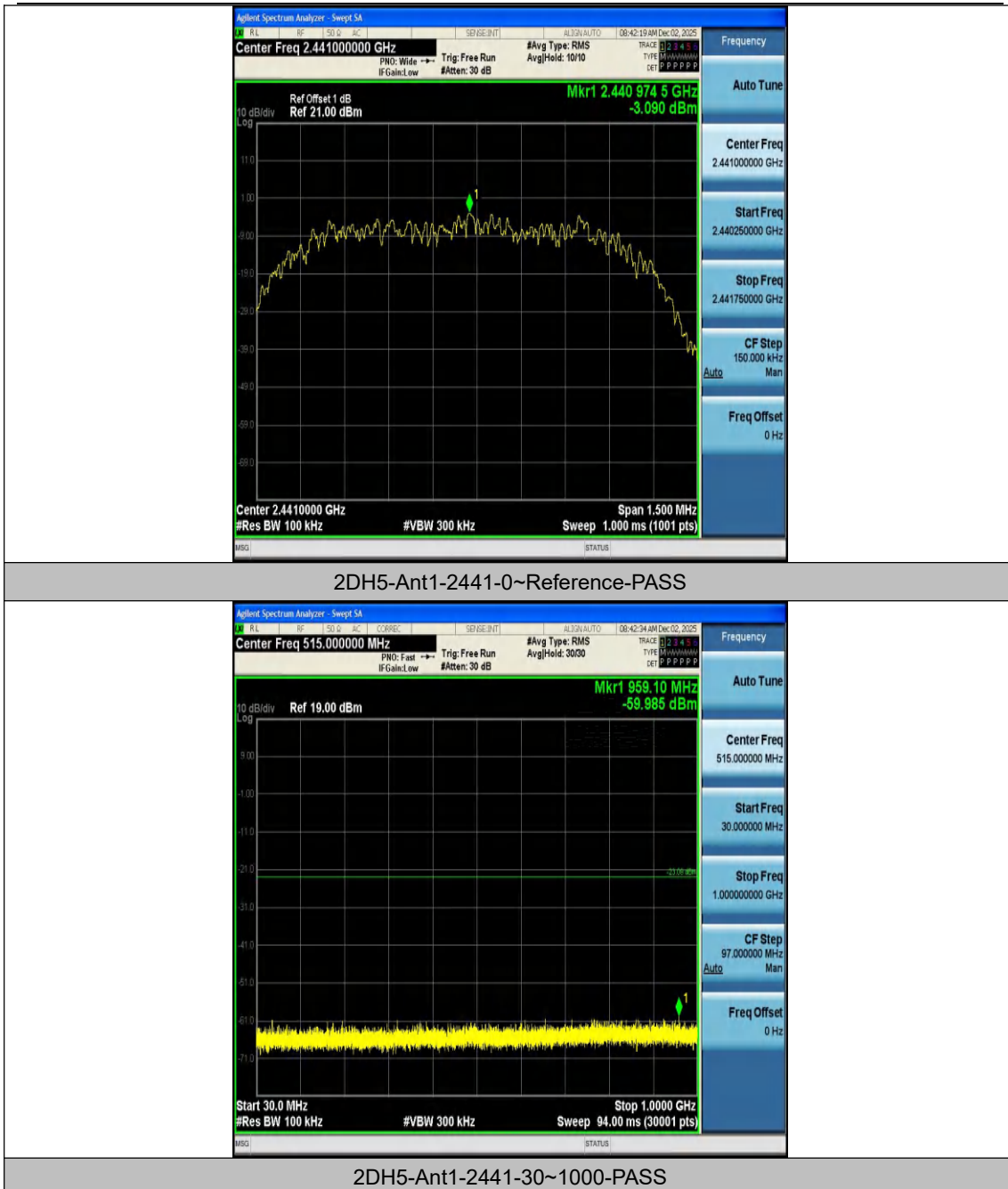


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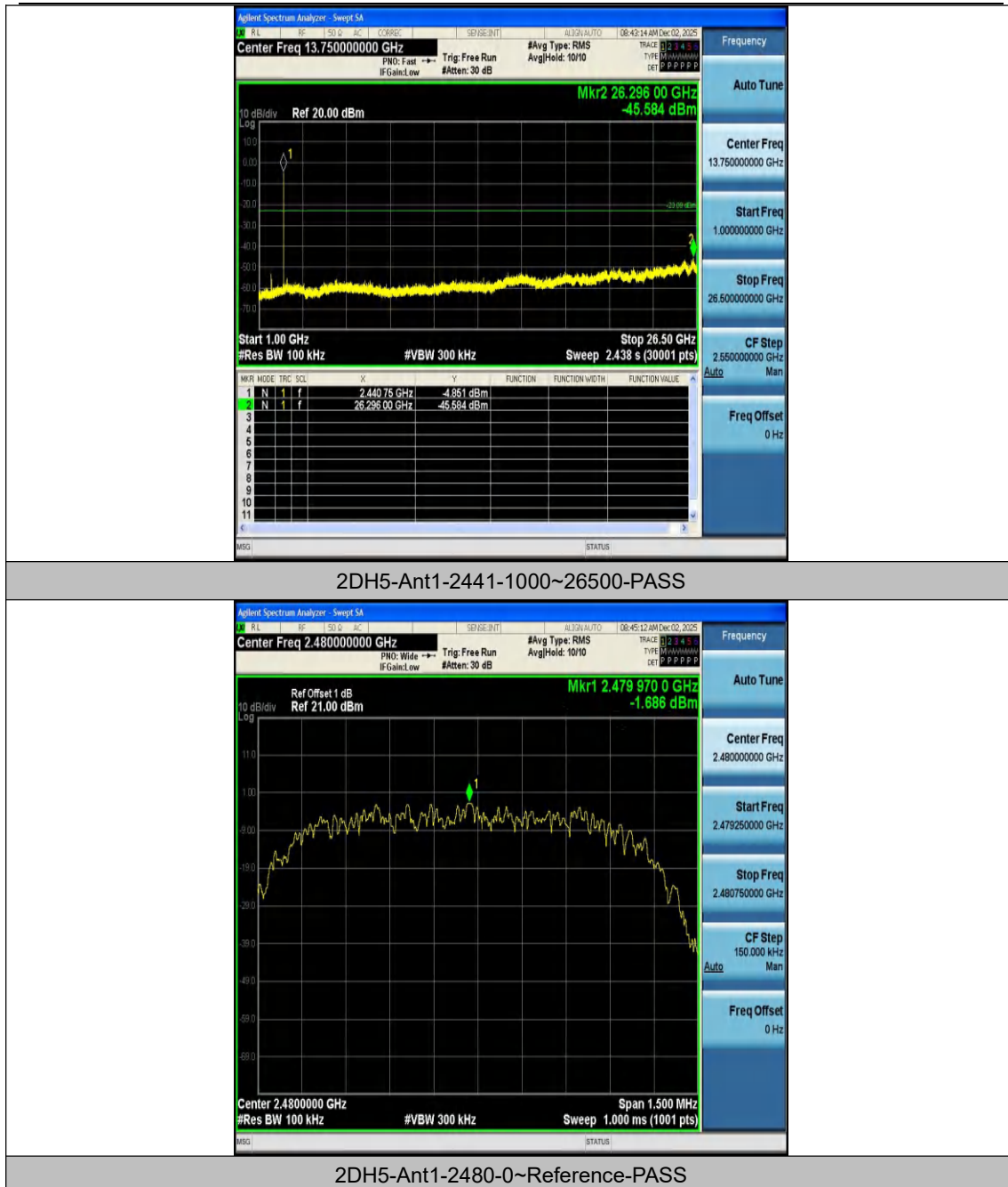


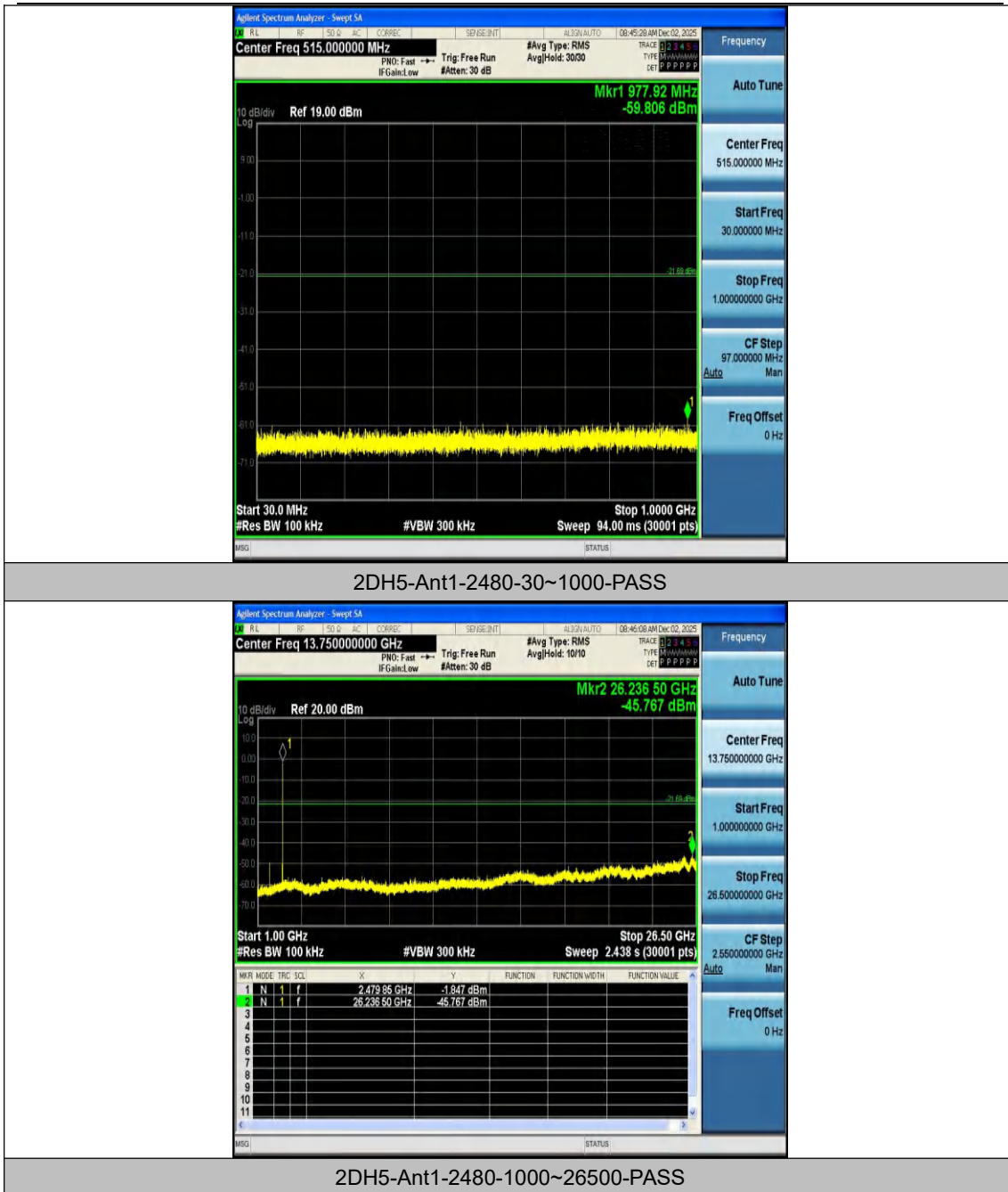


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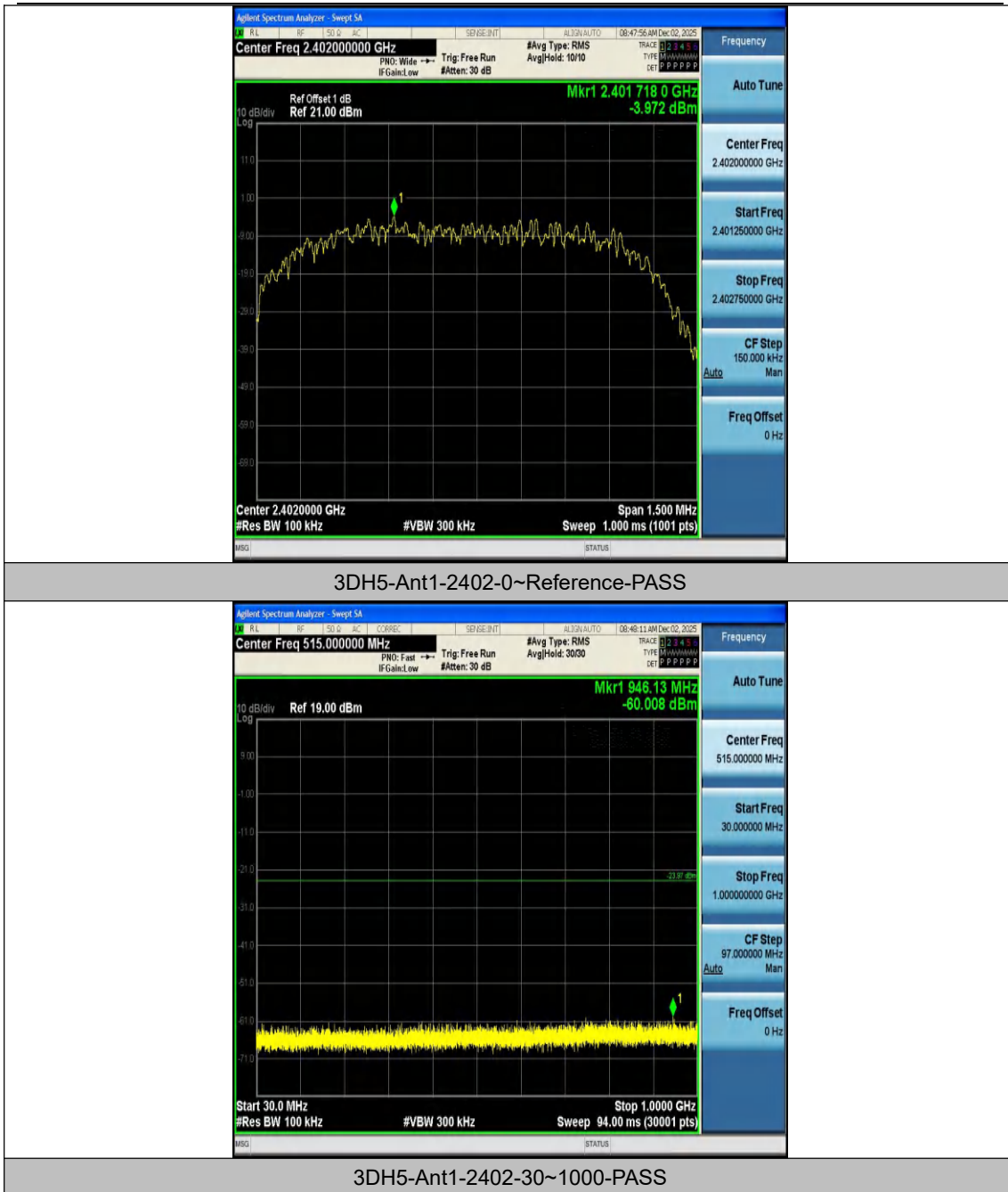




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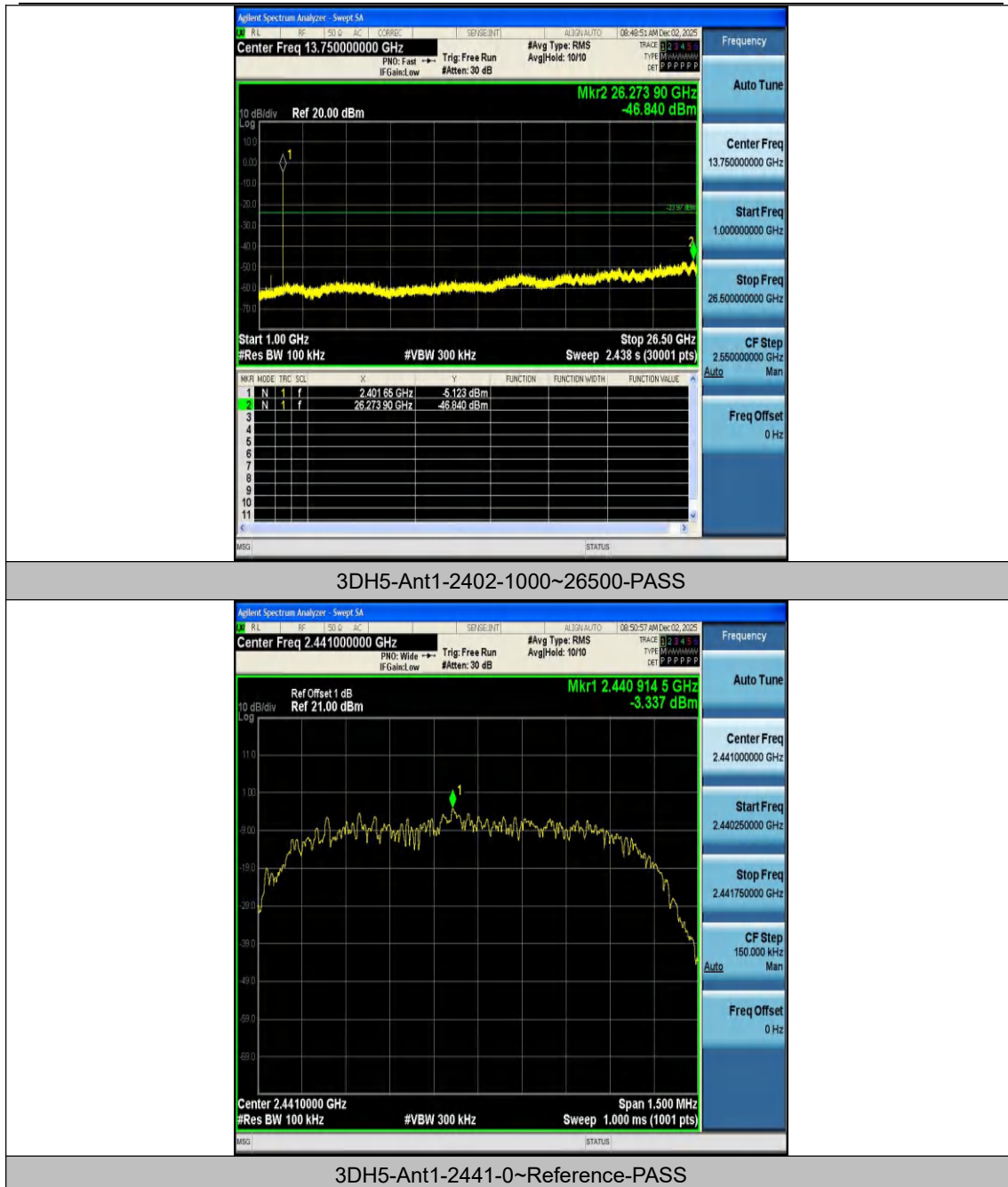
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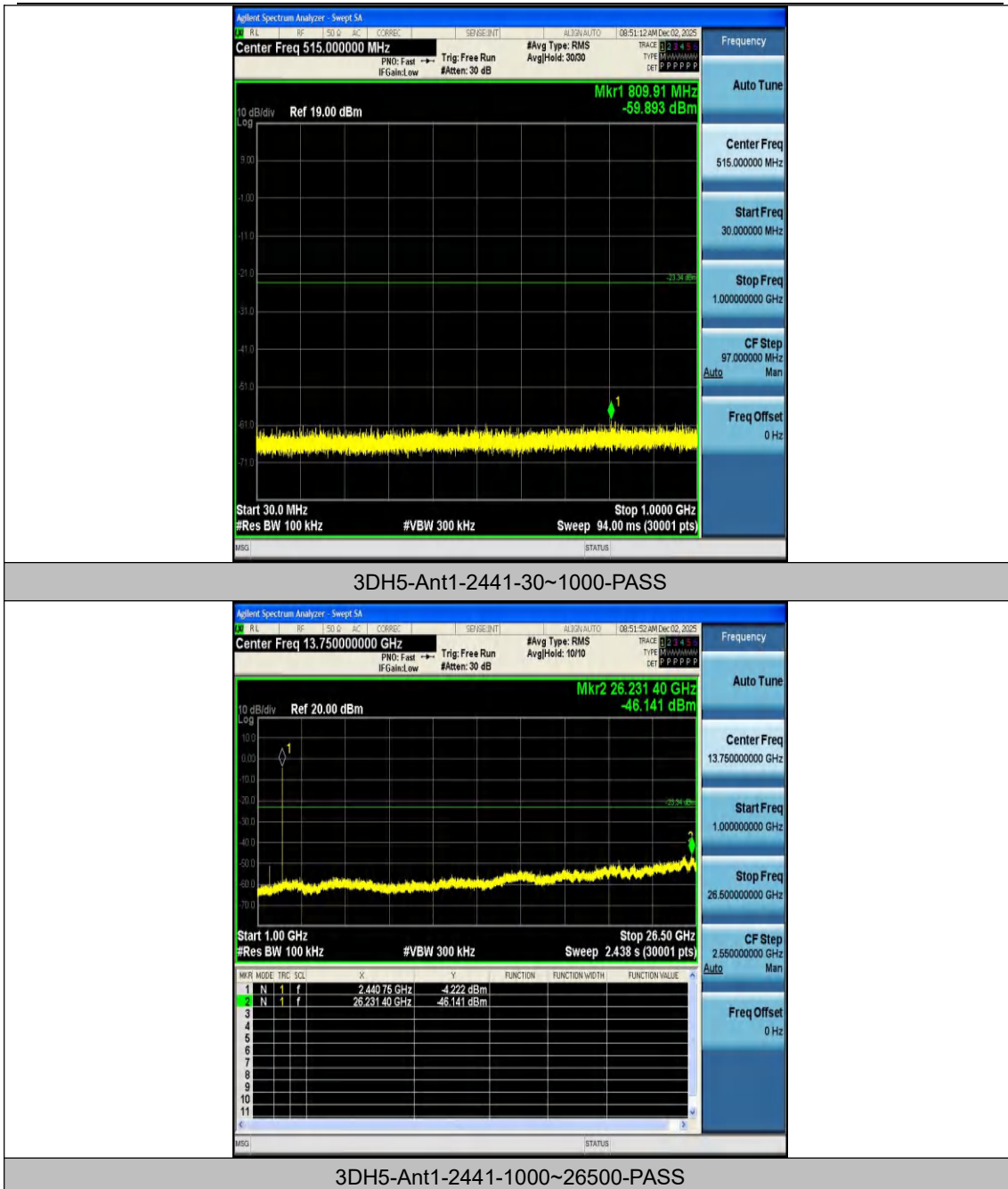
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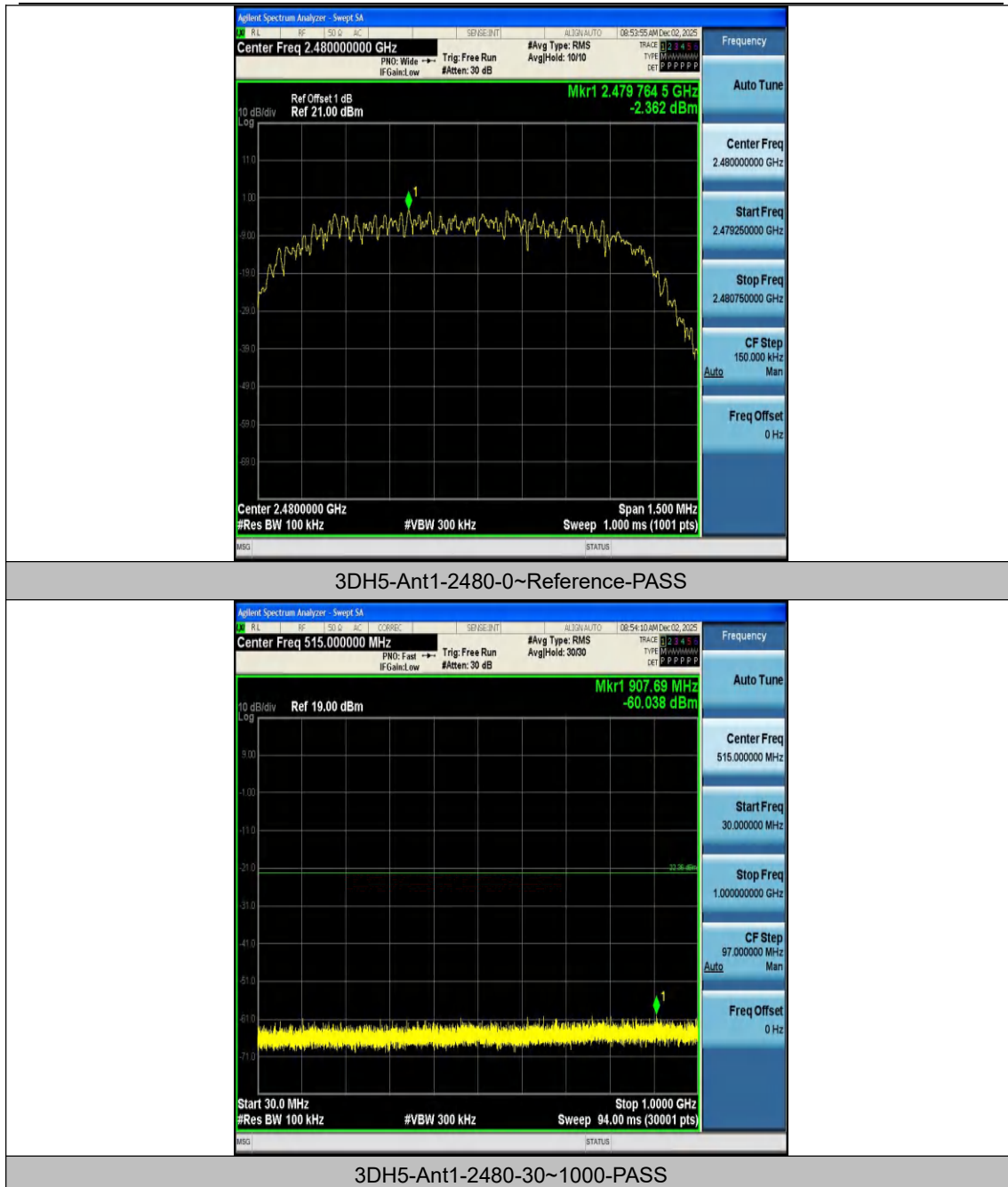


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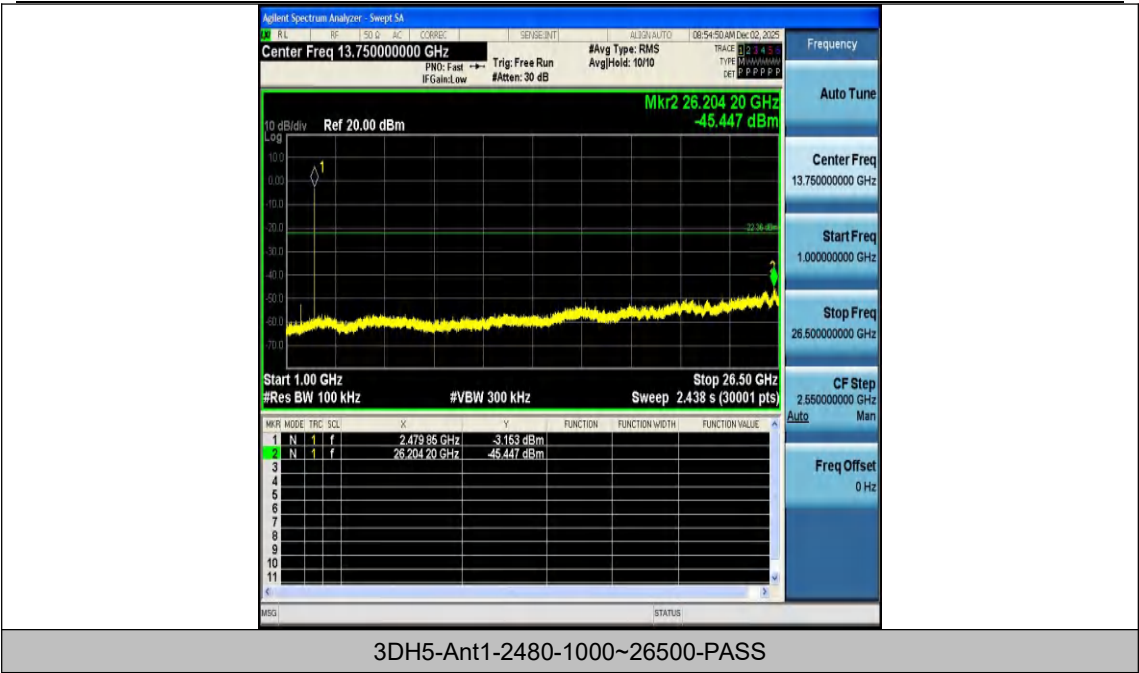




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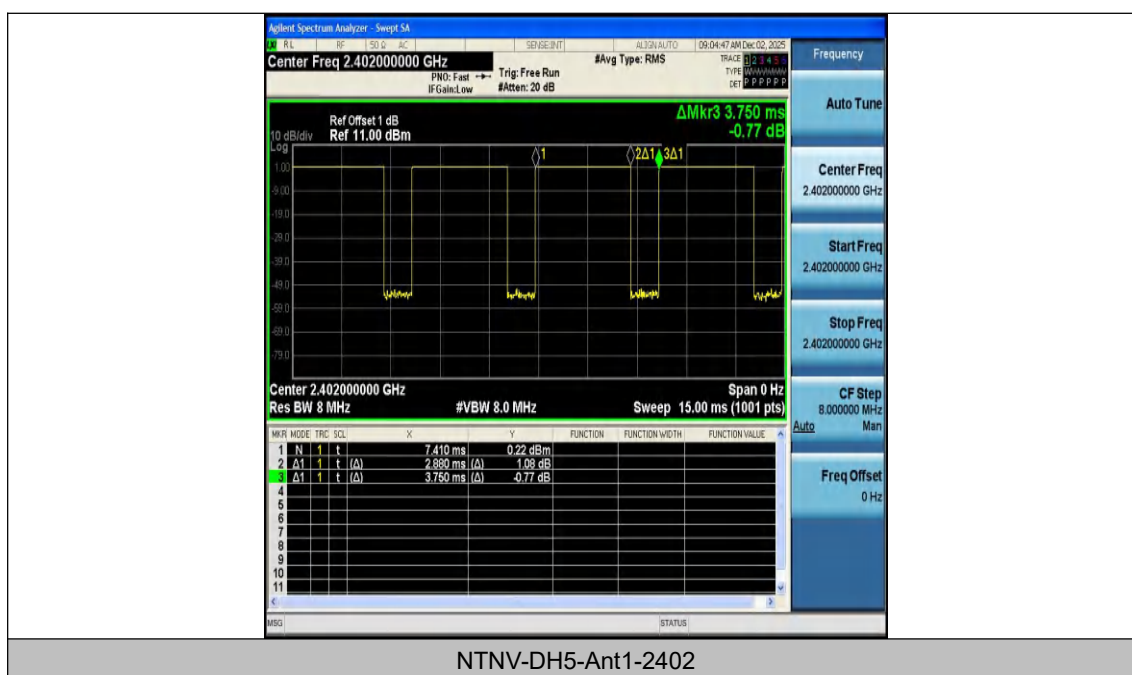
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Appendix I: Duty Cycle

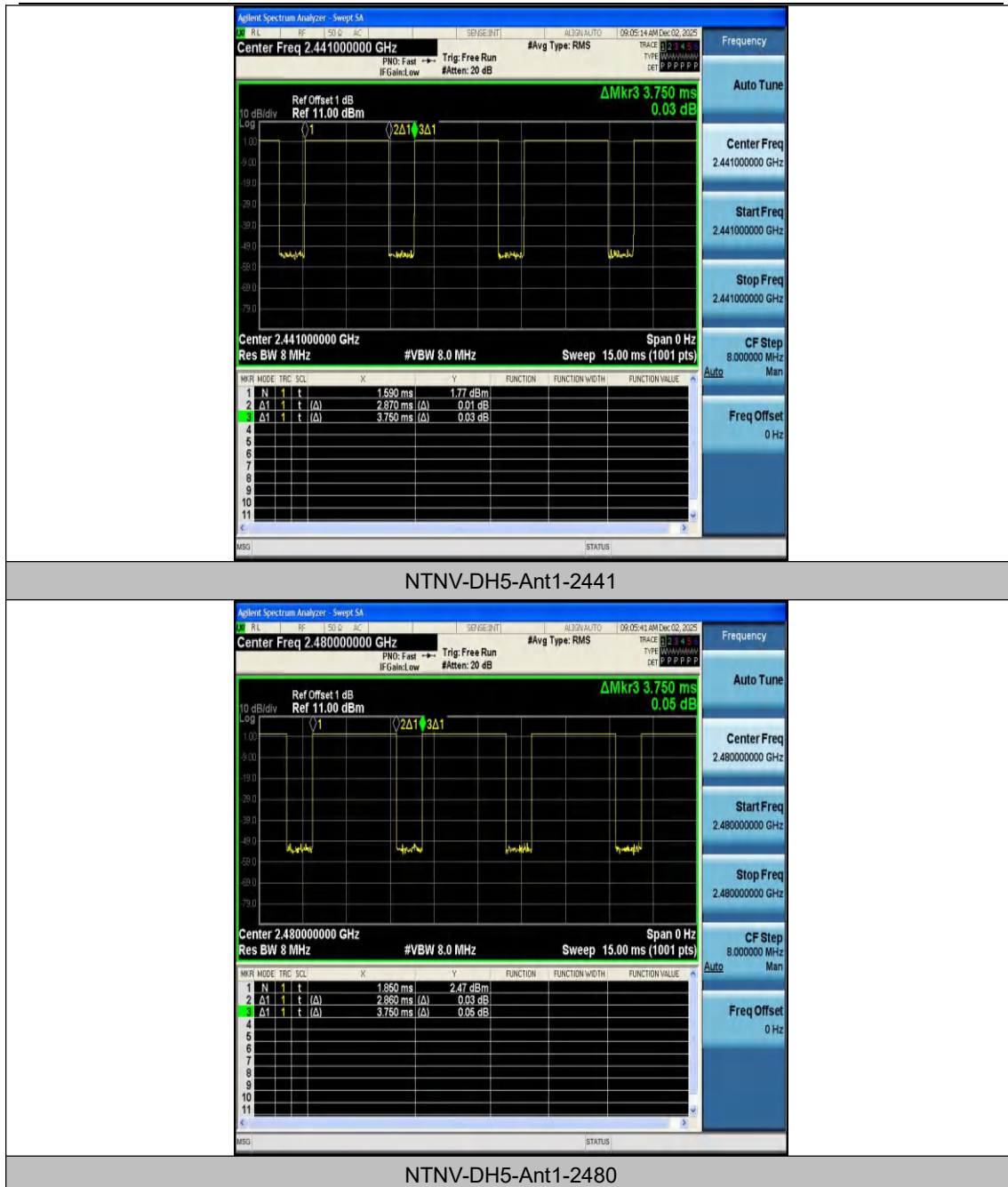
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.87	3.75	76.53	1.16
DH5	Ant1	2480	2.86	3.75	76.27	1.18
2DH5	Ant1	2402	2.86	3.75	76.27	1.18
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs



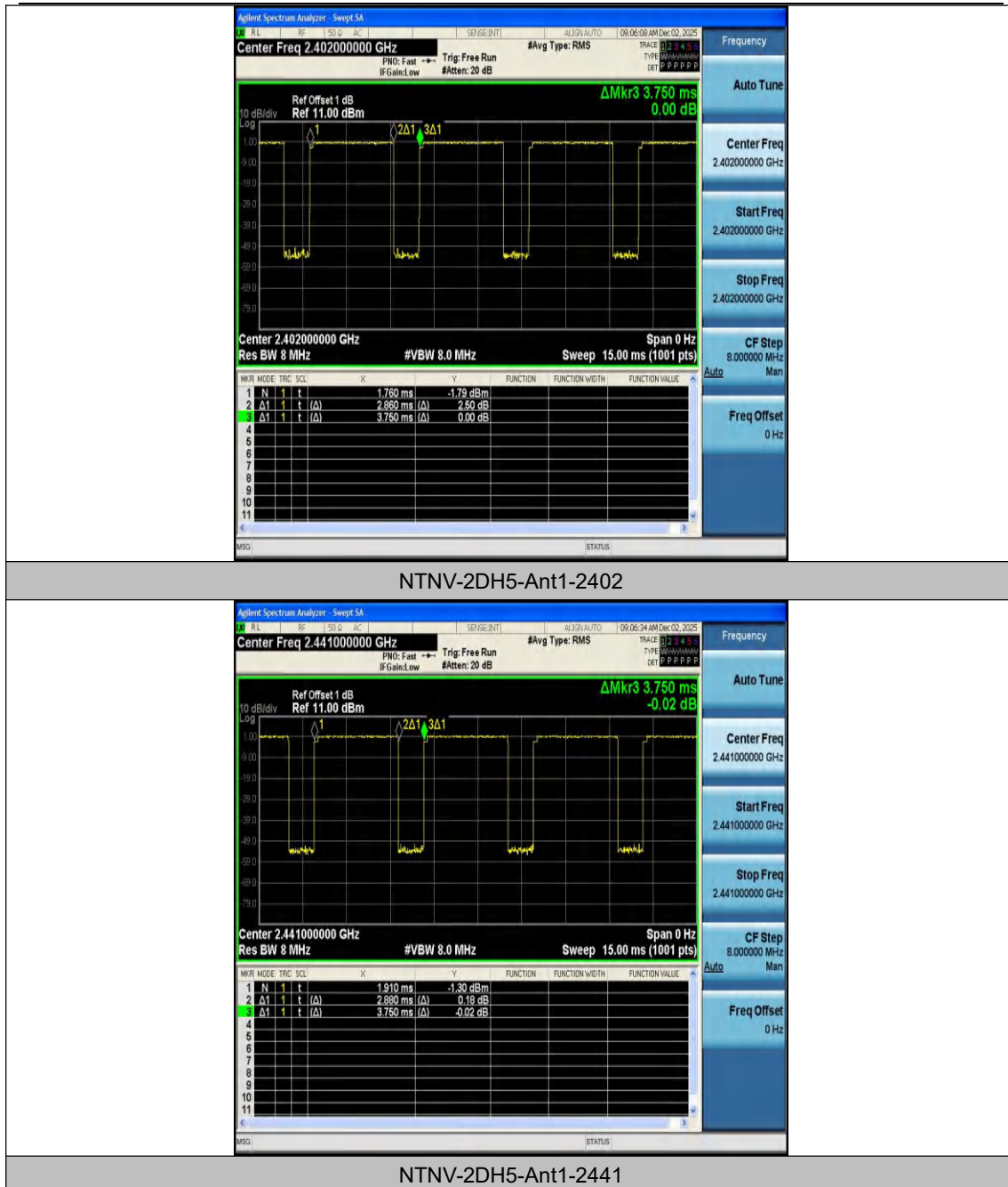
NTNV-DH5-Ant1-2402



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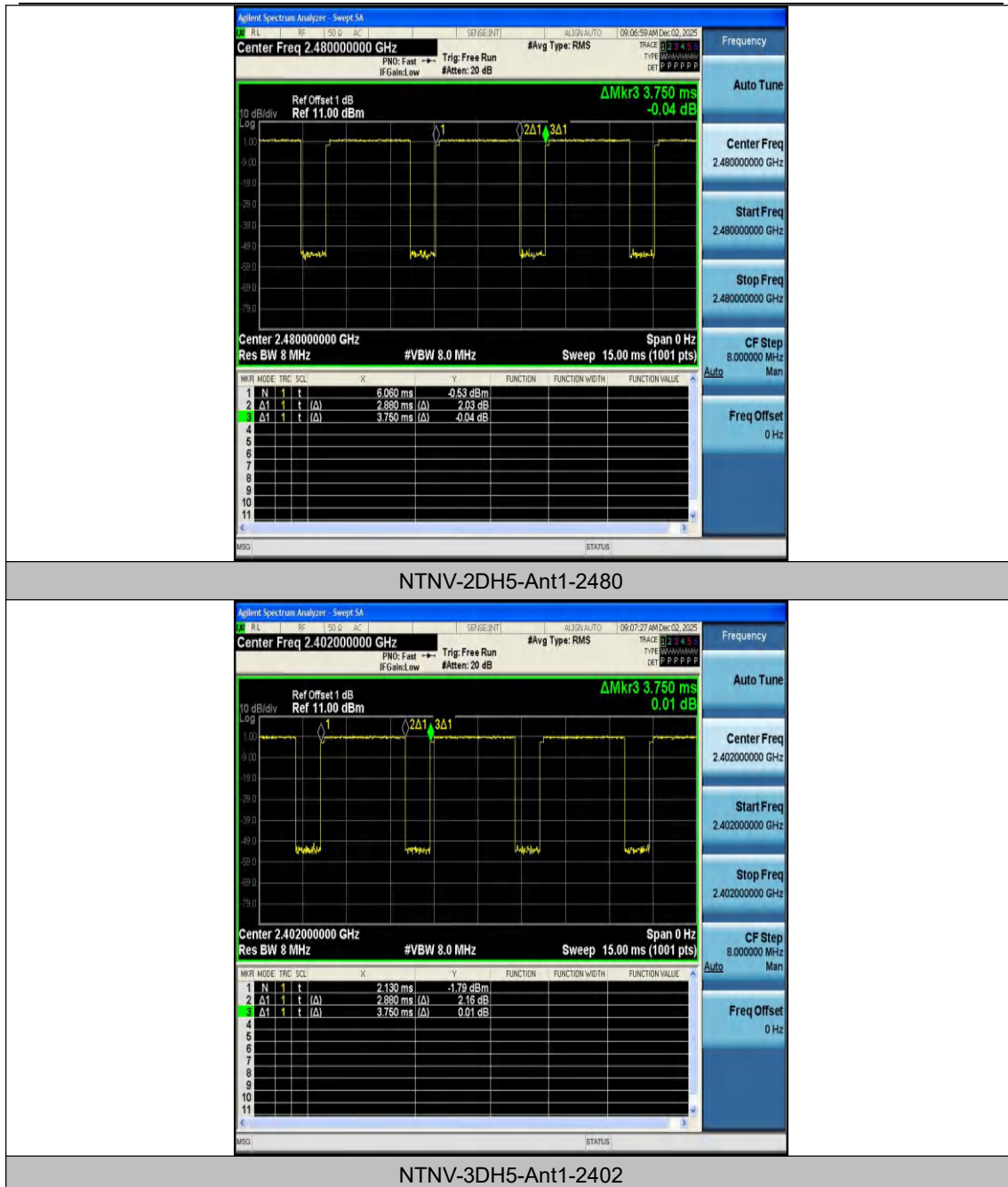
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

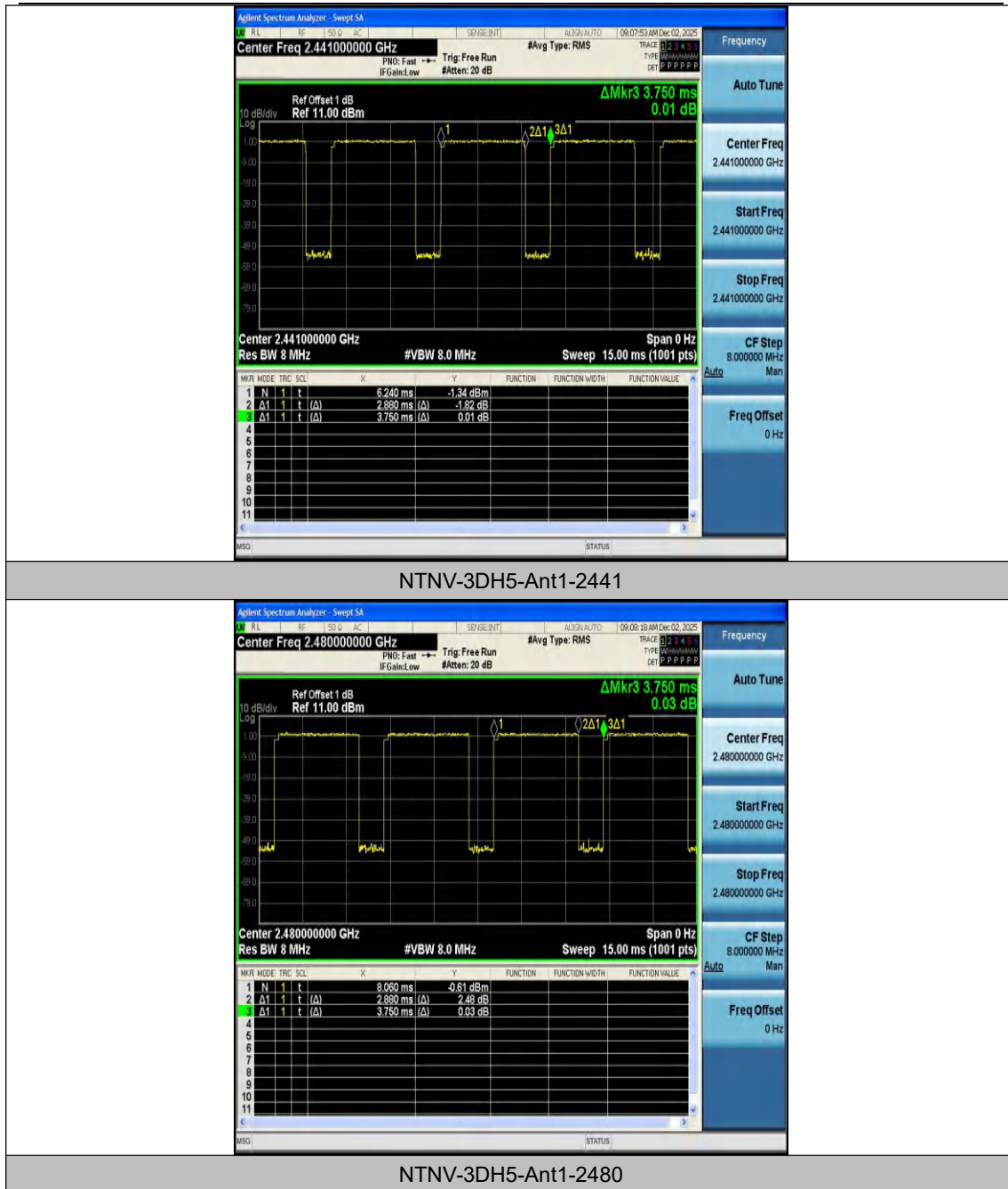


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