

Appendix Test Data_Left

Report No.:	1812C50650712501-02	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-10
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	45%
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	1.026	2401.439	2402.465	---	---
DH5	Ant1	2441	0.990	2440.451	2441.441	---	---
DH5	Ant1	2480	1.017	2479.442	2480.459	---	---
2DH5	Ant1	2402	1.287	2401.325	2402.612	---	---
2DH5	Ant1	2441	1.284	2440.322	2441.606	---	---
2DH5	Ant1	2480	1.311	2479.307	2480.618	---	---
3DH5	Ant1	2402	1.320	2401.307	2402.627	---	---
3DH5	Ant1	2441	1.299	2440.316	2441.615	---	---
3DH5	Ant1	2480	1.299	2479.316	2480.615	---	---

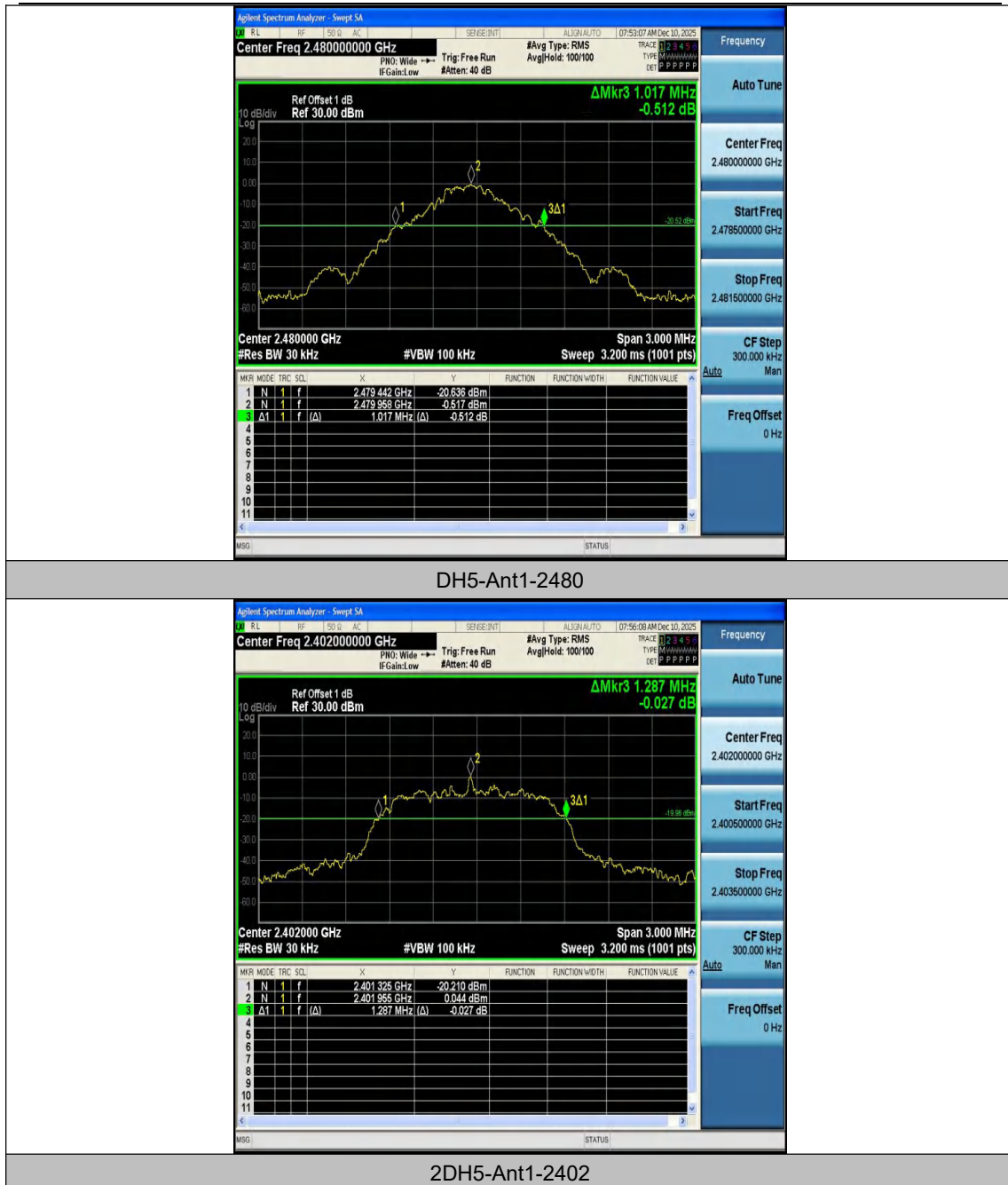
Test Graphs

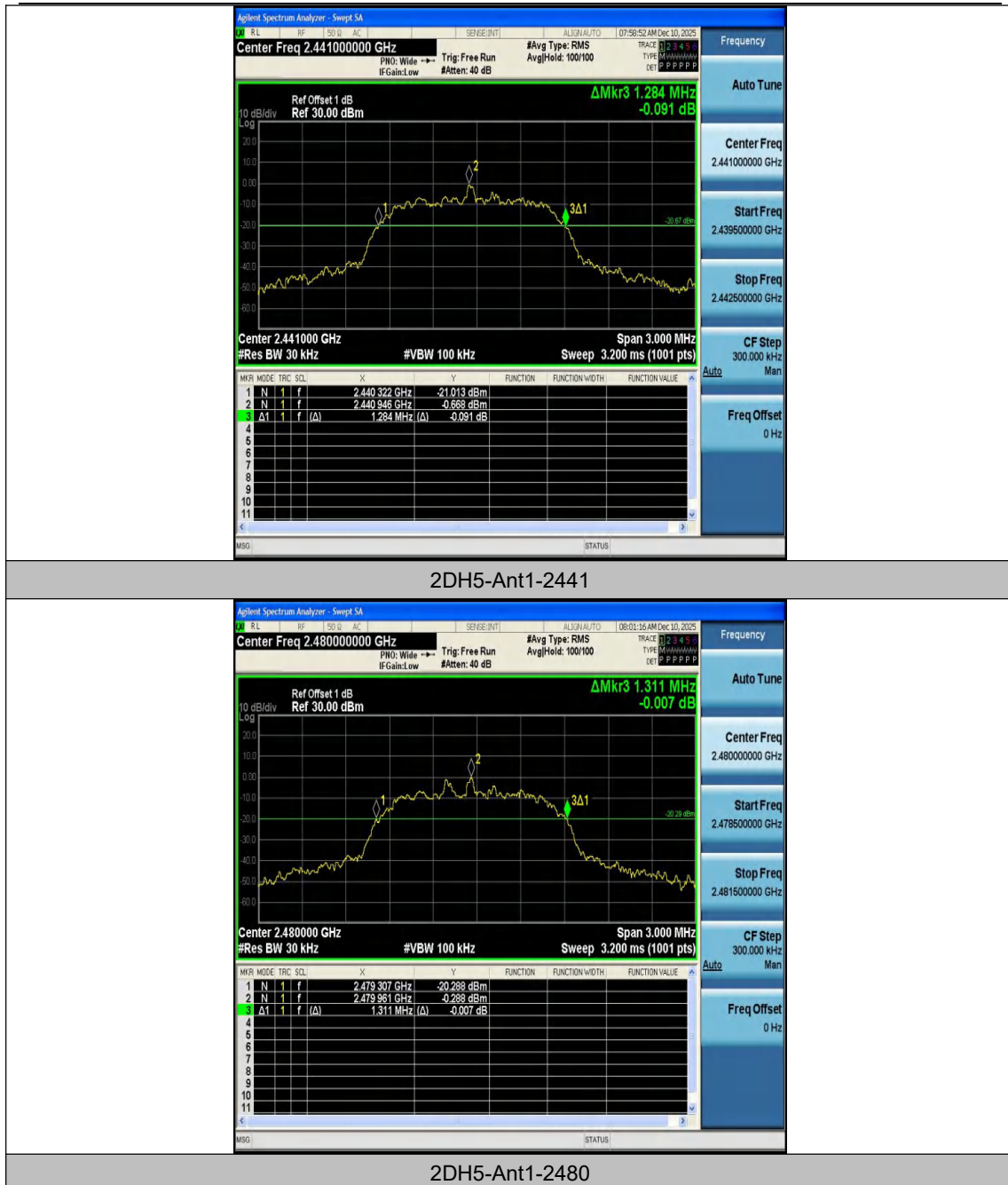


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89142	2401.5159	2402.4073	---	---
DH5	Ant1	2441	0.89890	2440.5150	2441.4139	---	---
DH5	Ant1	2480	0.89926	2479.5154	2480.4147	---	---
2DH5	Ant1	2402	1.1893	2401.3667	2402.5560	---	---
2DH5	Ant1	2441	1.1990	2440.3650	2441.5640	---	---
2DH5	Ant1	2480	1.1939	2479.3659	2480.5598	---	---
3DH5	Ant1	2402	1.1888	2401.3671	2402.5559	---	---
3DH5	Ant1	2441	1.2078	2440.3532	2441.5610	---	---
3DH5	Ant1	2480	1.2138	2479.3540	2480.5678	---	---

Test Graphs



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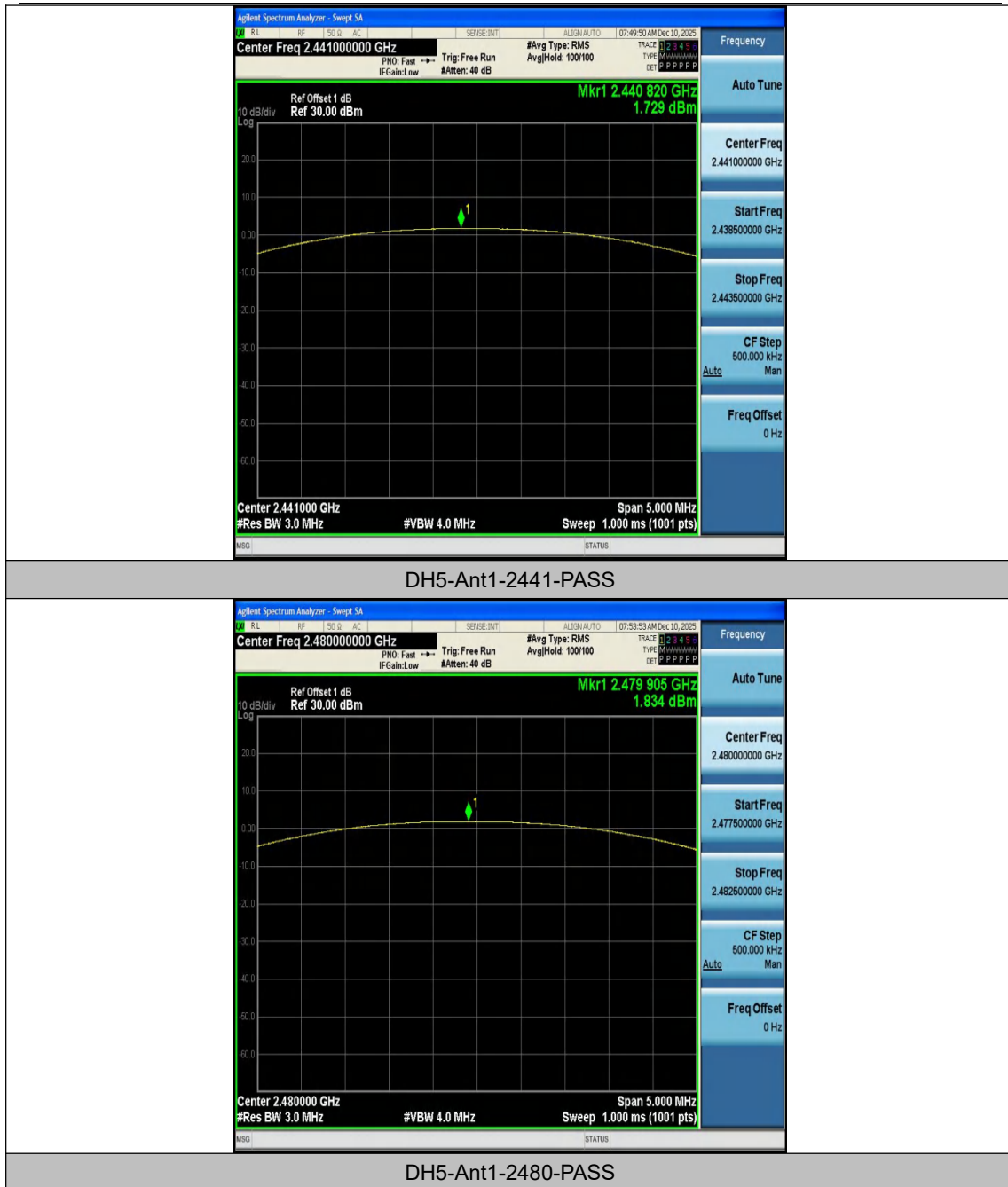
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.14	≤20.97	PASS
DH5	Ant1	2441	1.73	≤20.97	PASS
DH5	Ant1	2480	1.83	≤20.97	PASS
2DH5	Ant1	2402	2.88	≤20.97	PASS
2DH5	Ant1	2441	2.59	≤20.97	PASS
2DH5	Ant1	2480	2.66	≤20.97	PASS
3DH5	Ant1	2402	3.21	≤20.97	PASS
3DH5	Ant1	2441	2.93	≤20.97	PASS
3DH5	Ant1	2480	3.10	≤20.97	PASS

Test Graphs

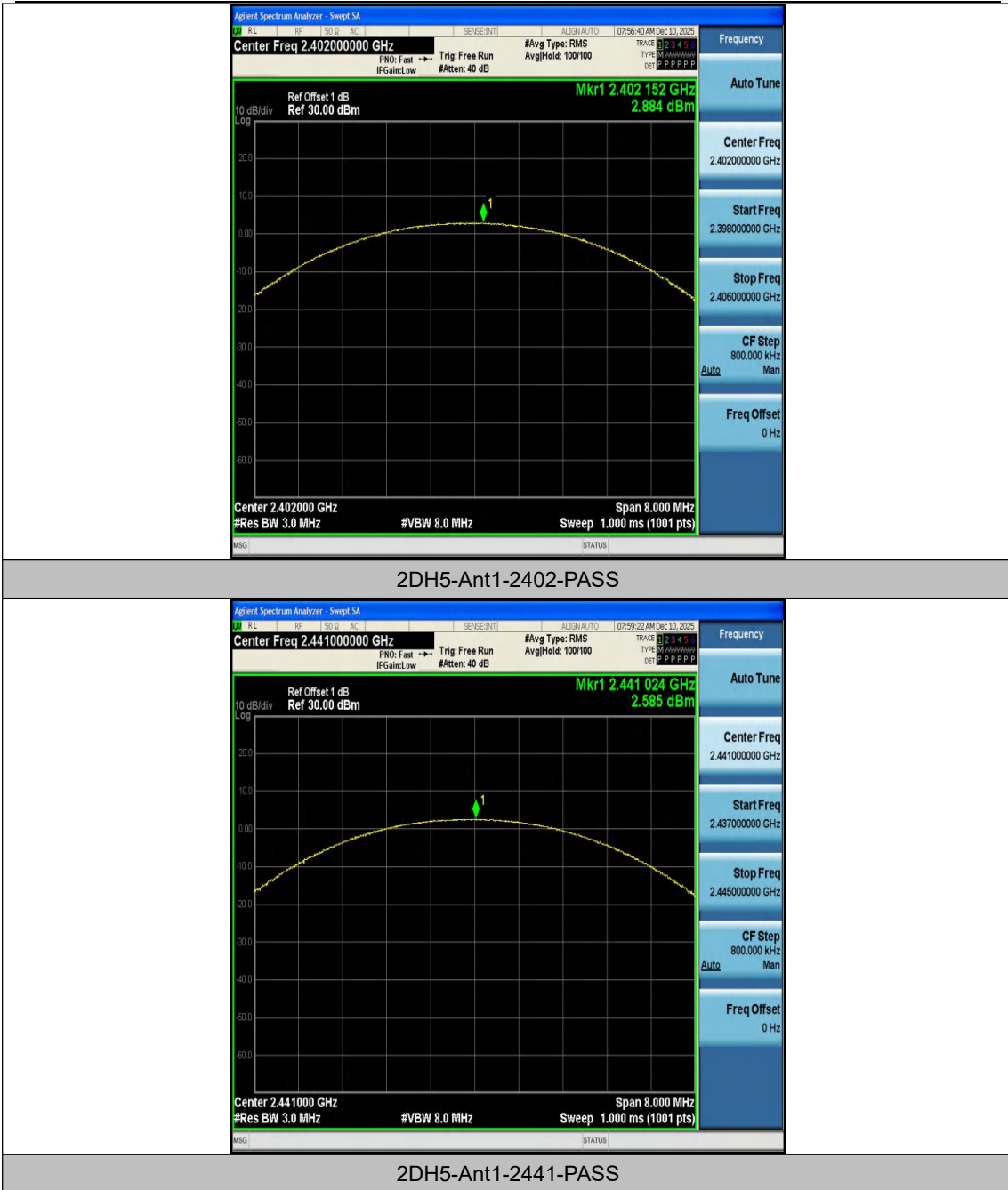




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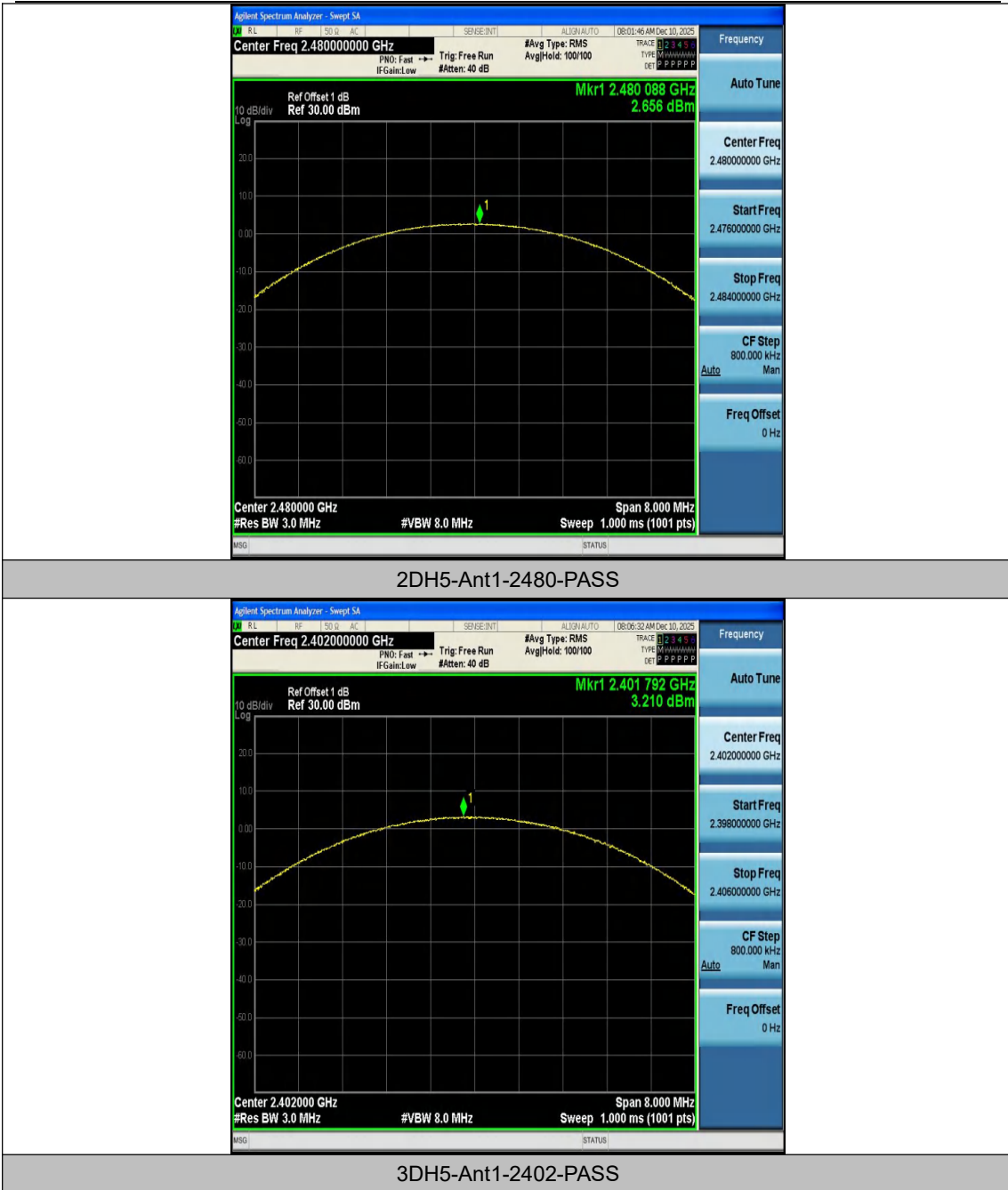
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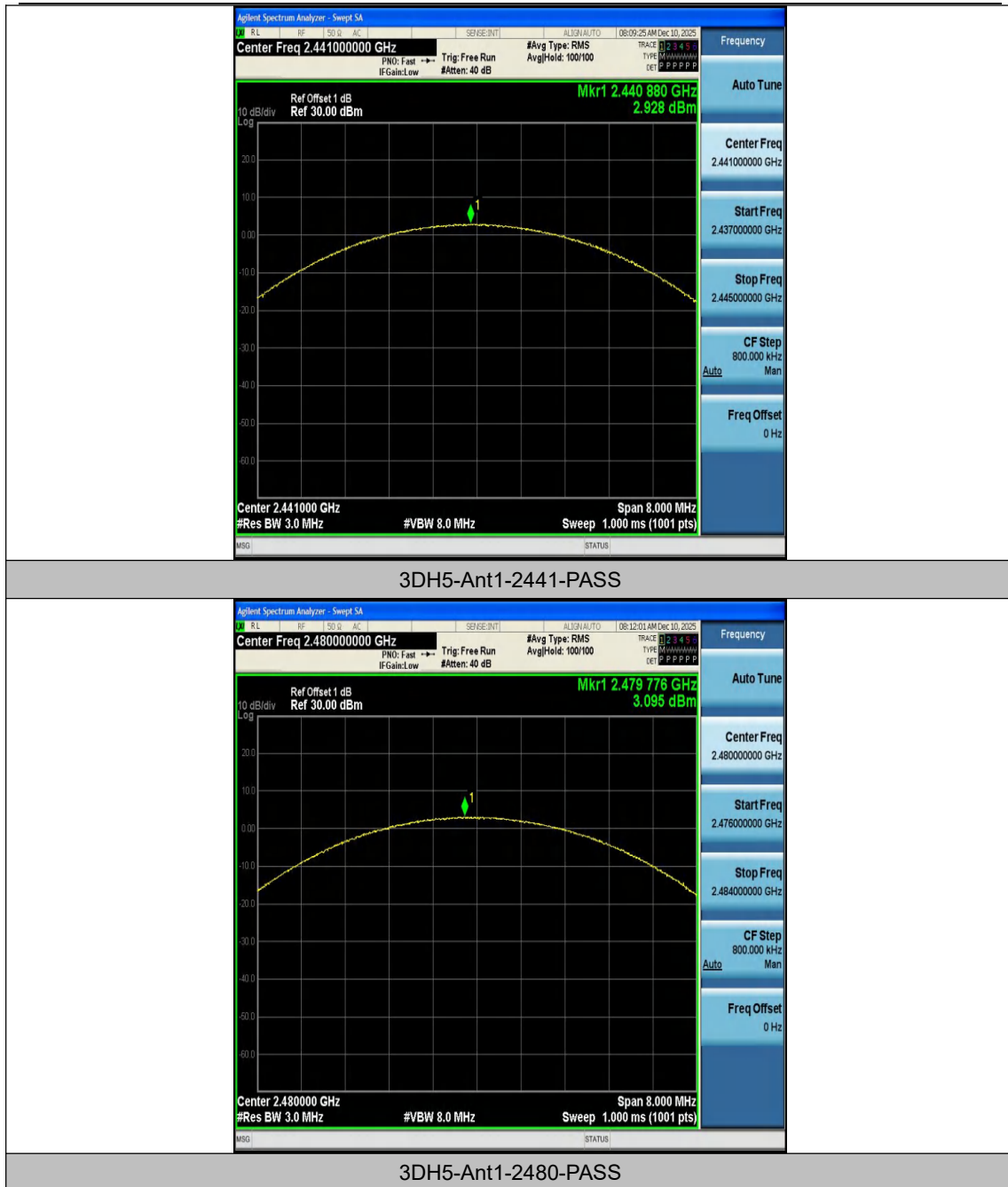
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.332	≥ 0.684	PASS
2DH5	Ant1	Hop	1.2	≥ 0.874	PASS
3DH5	Ant1	Hop	1.198	≥ 0.880	PASS

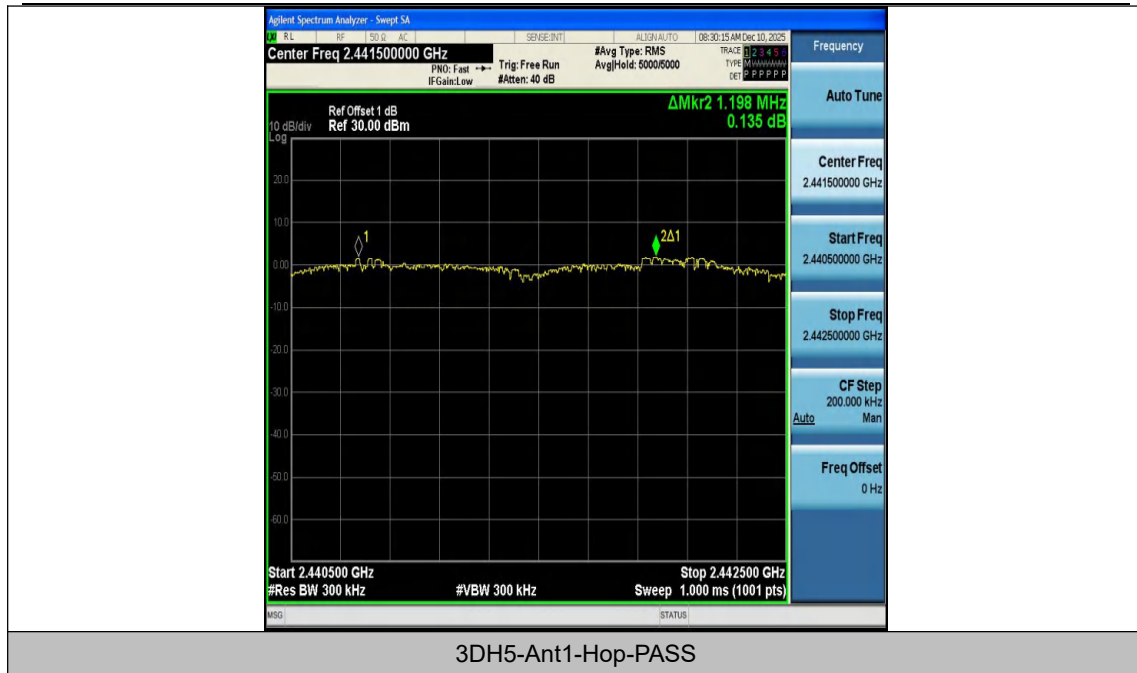
Test Graphs



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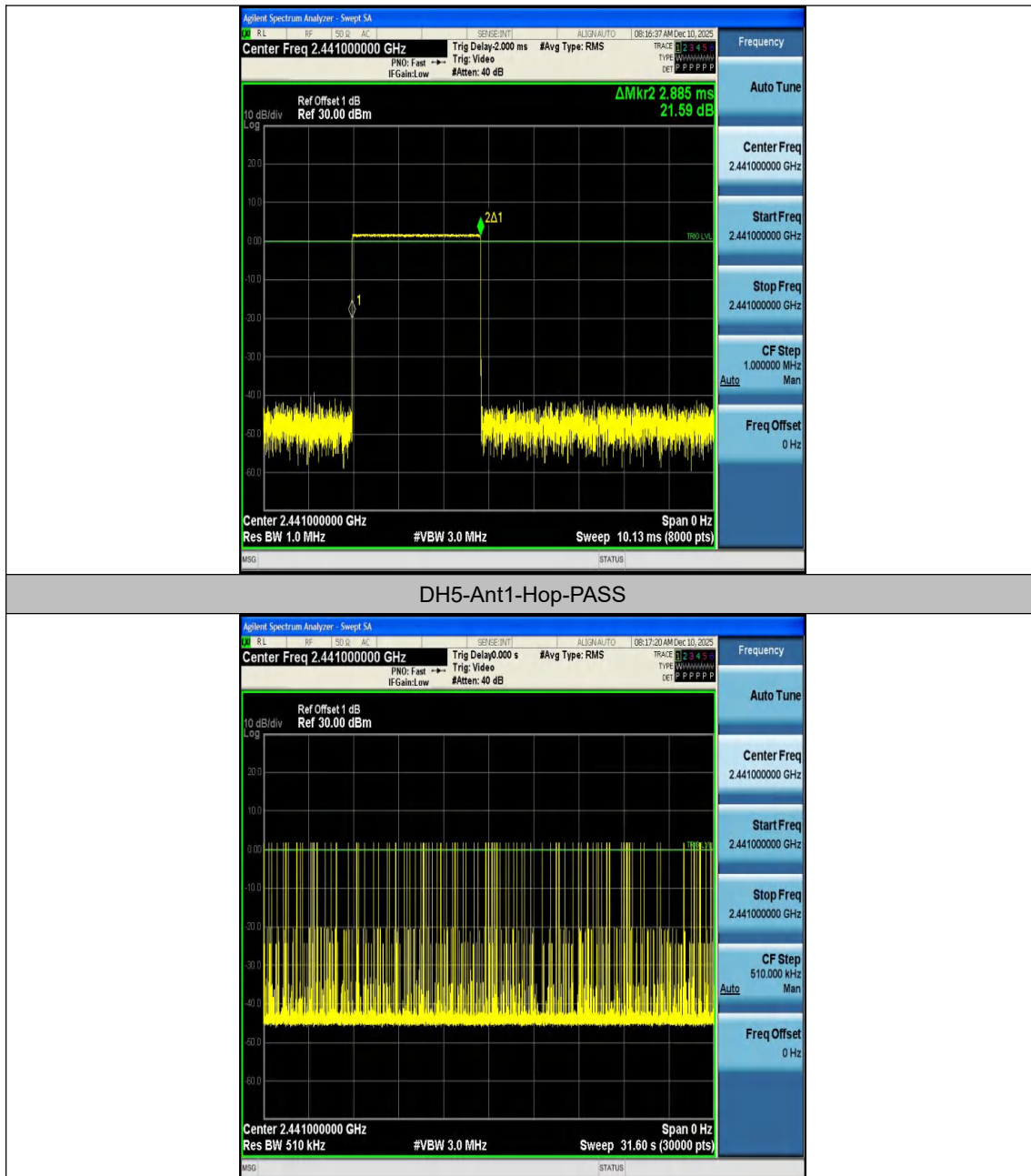
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	113	0.326	≤0.4	PASS
2DH5	Ant1	Hop	2.889	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	104	0.301	≤0.4	PASS

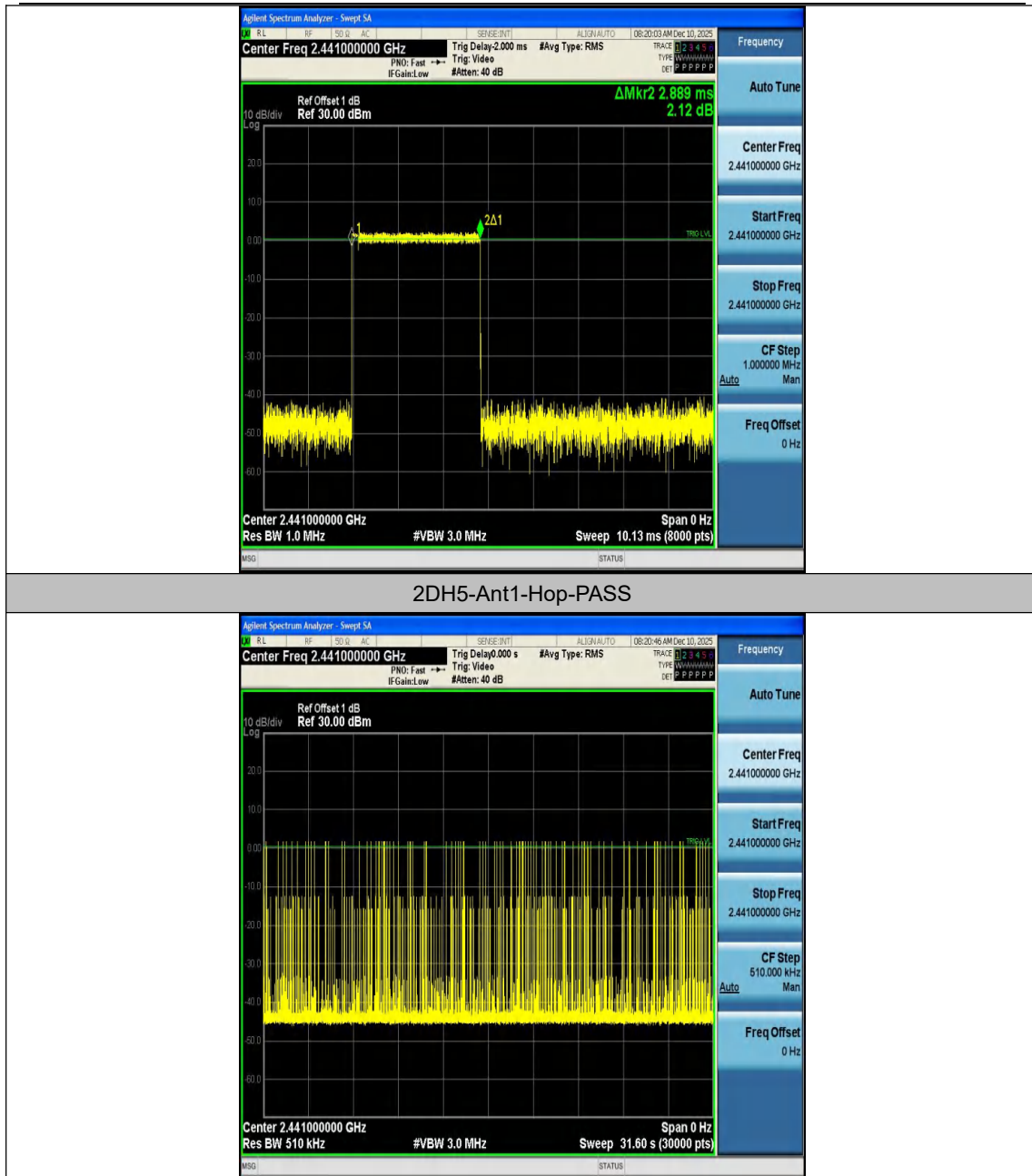
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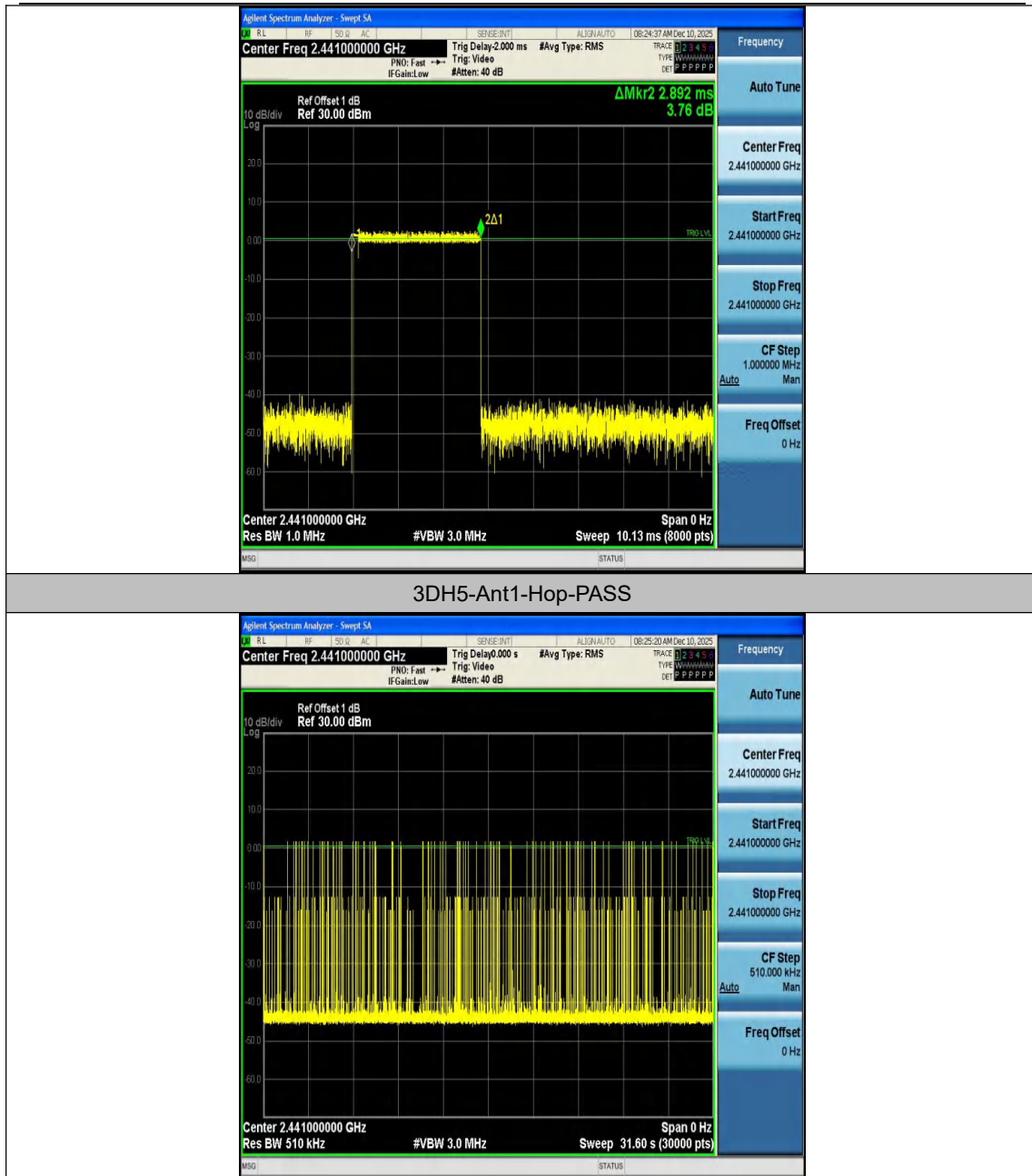
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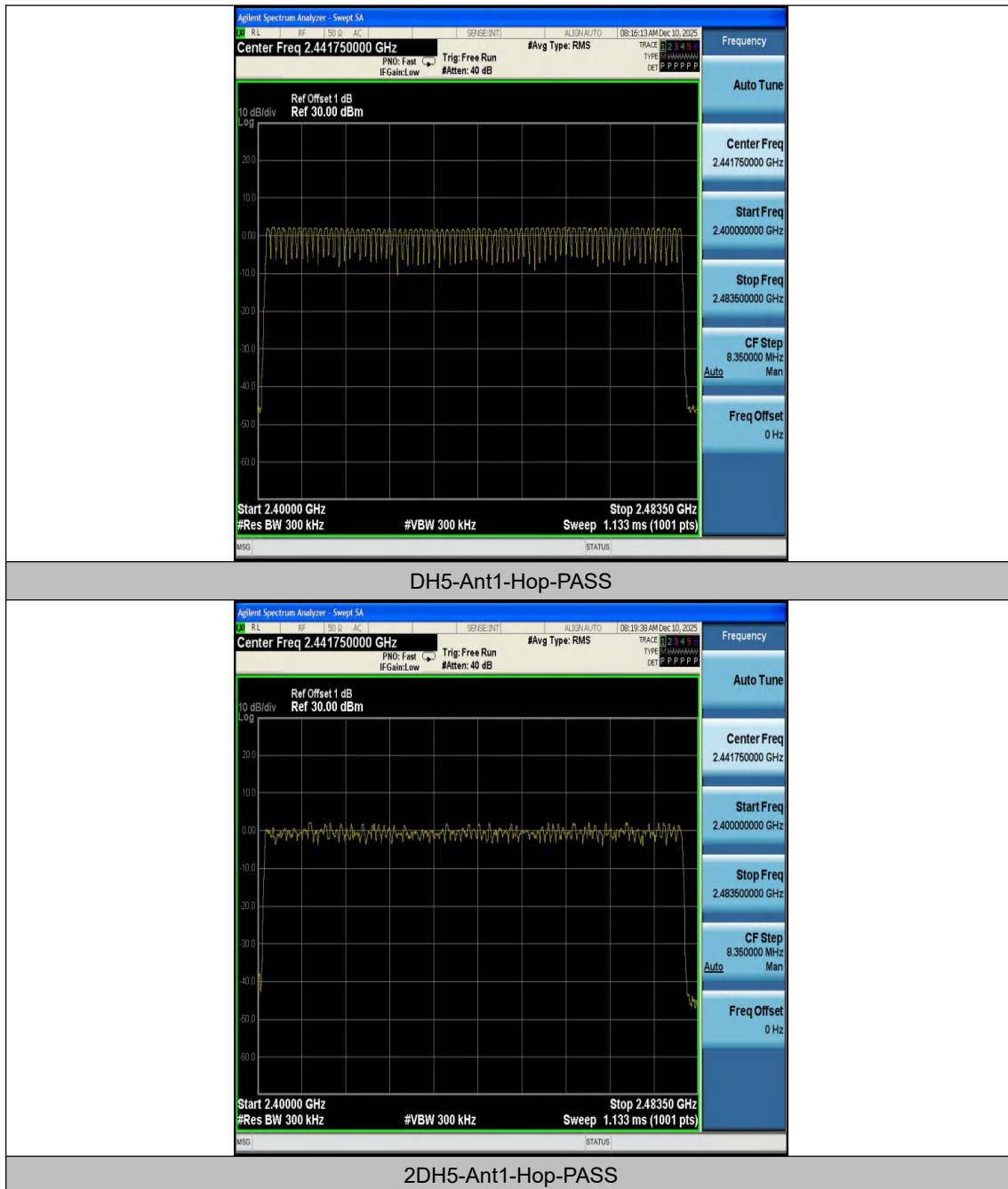
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Appendix F: Number of Hopping Channel

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

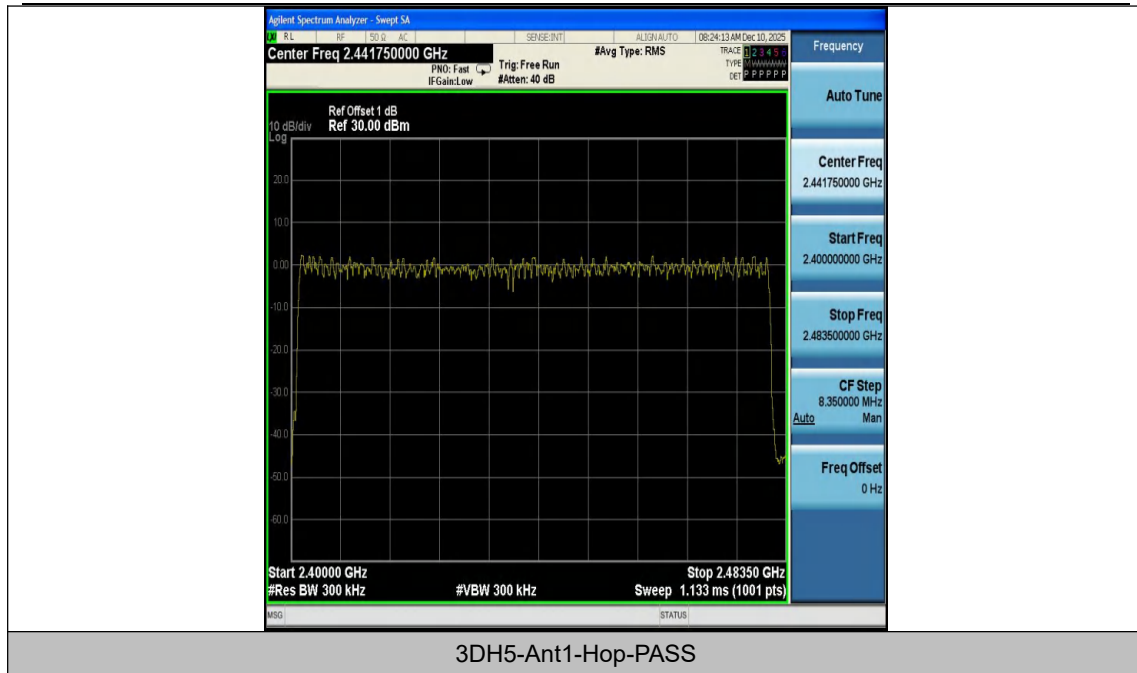
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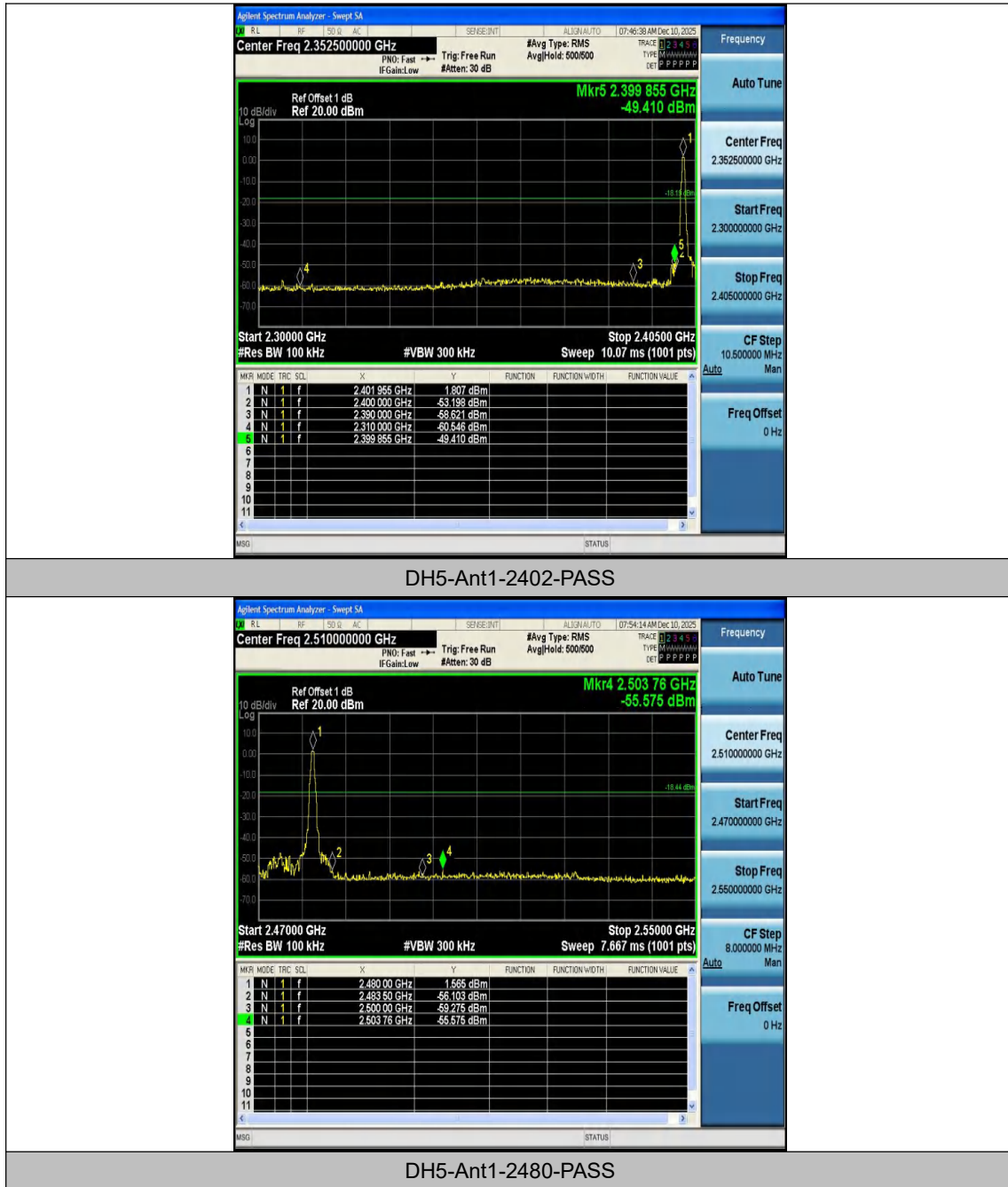
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.81	-49.41	≤-18.19	PASS
DH5	Ant1	High	2480	1.57	-55.58	≤-18.44	PASS
DH5	Ant1	Low	Hop_2402	1.81	-52.08	≤-18.19	PASS
DH5	Ant1	High	Hop_2480	1.85	-55.52	≤-18.15	PASS
2DH5	Ant1	Low	2402	1.79	-48.84	≤-18.21	PASS
2DH5	Ant1	High	2480	1.50	-54.86	≤-18.5	PASS
2DH5	Ant1	Low	Hop_2402	-1.18	-55.55	≤-21.18	PASS
2DH5	Ant1	High	Hop_2480	1.76	-55.01	≤-18.24	PASS
3DH5	Ant1	Low	2402	1.90	-50.05	≤-18.1	PASS
3DH5	Ant1	High	2480	1.57	-56.4	≤-18.43	PASS
3DH5	Ant1	Low	Hop_2402	1.86	-55.42	≤-18.14	PASS
3DH5	Ant1	High	Hop_2480	1.03	-55.36	≤-18.98	PASS

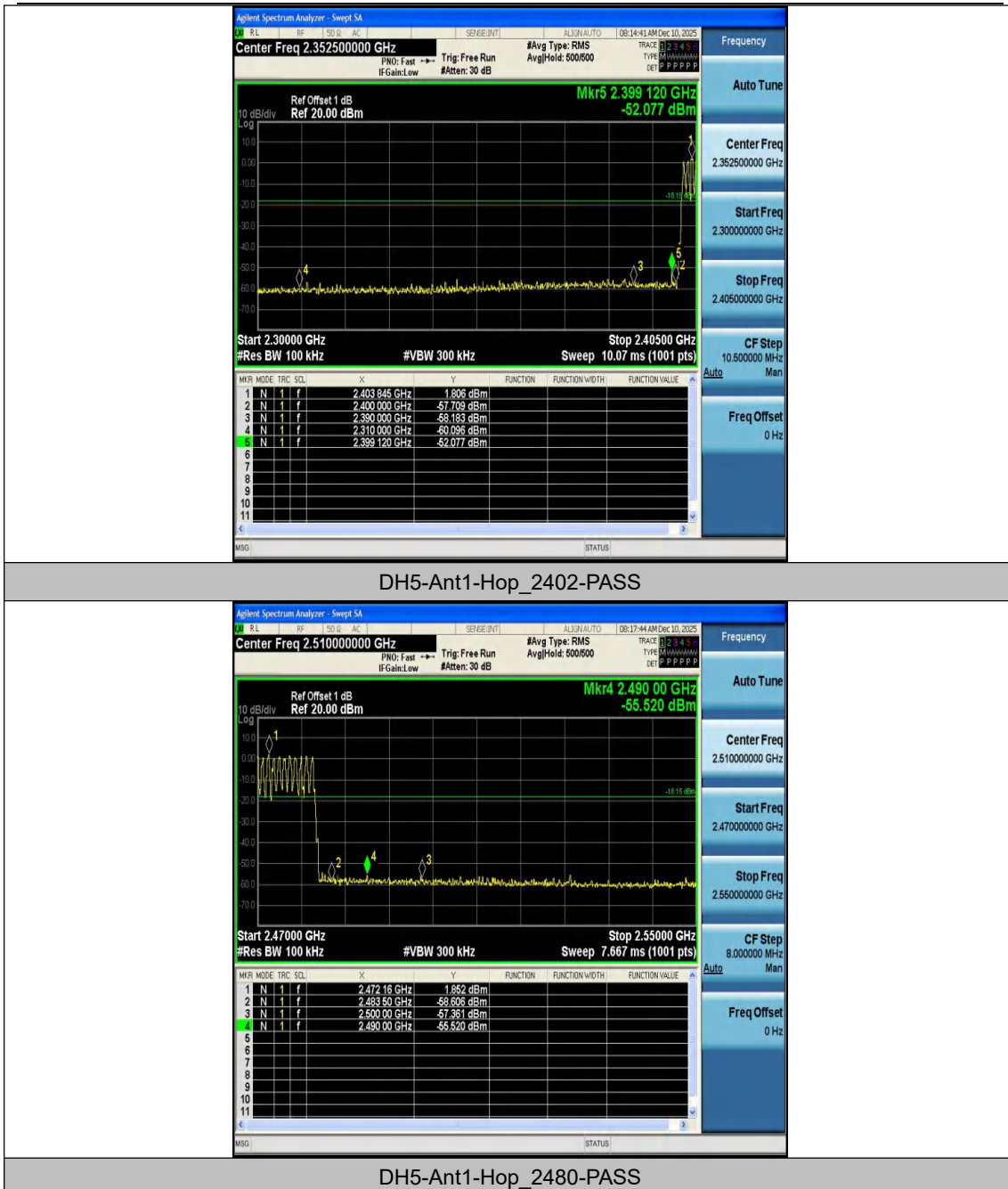
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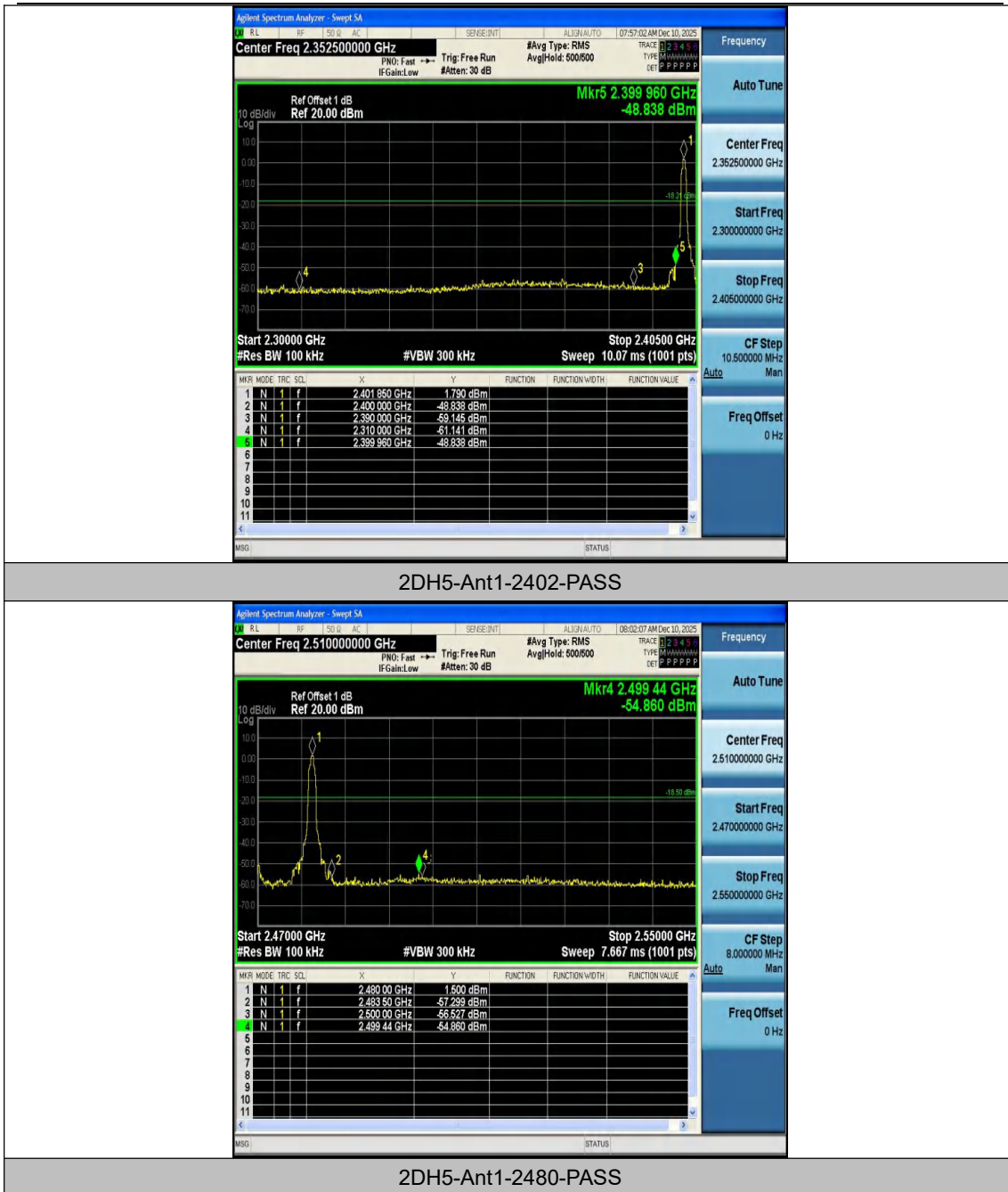


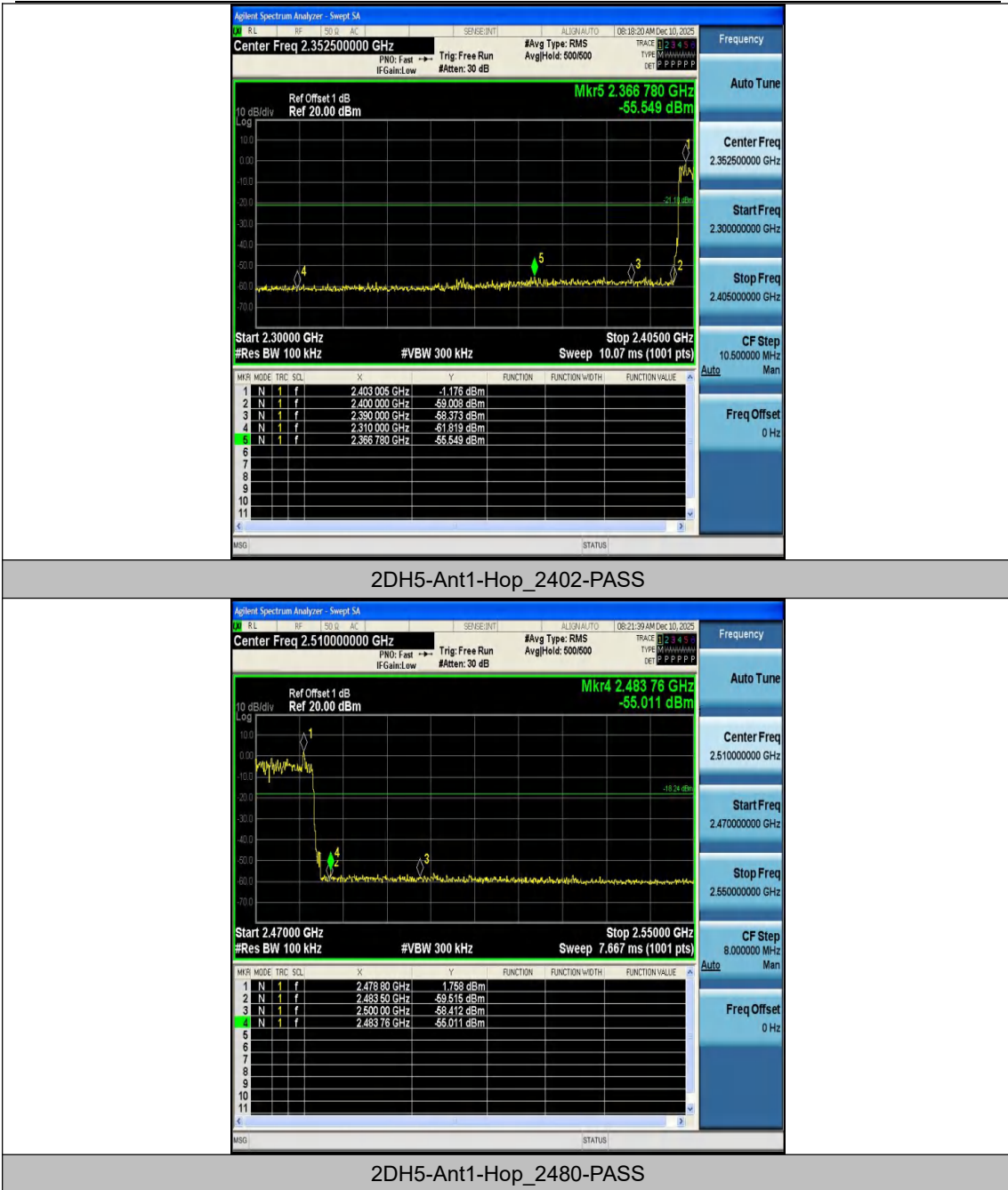
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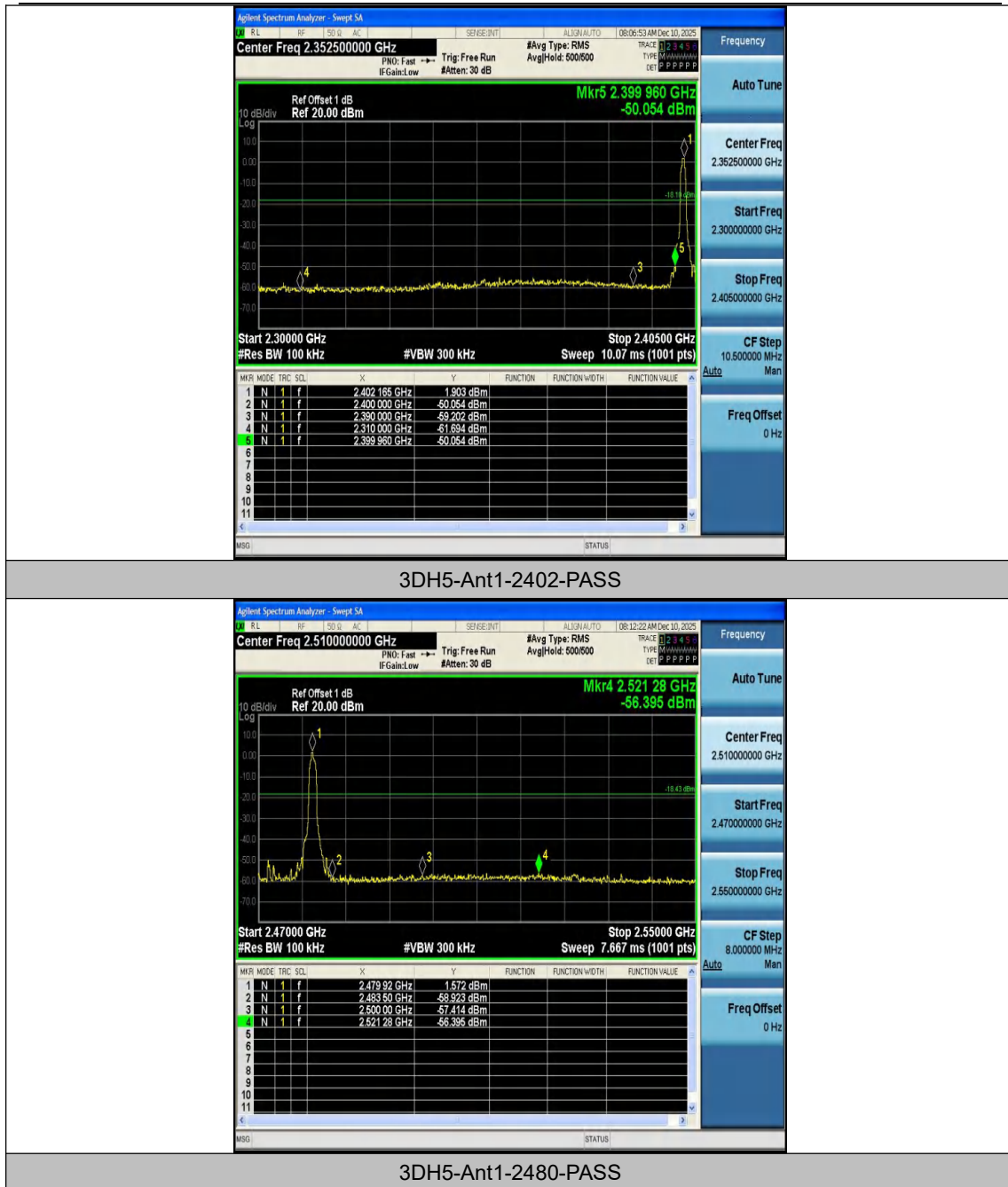
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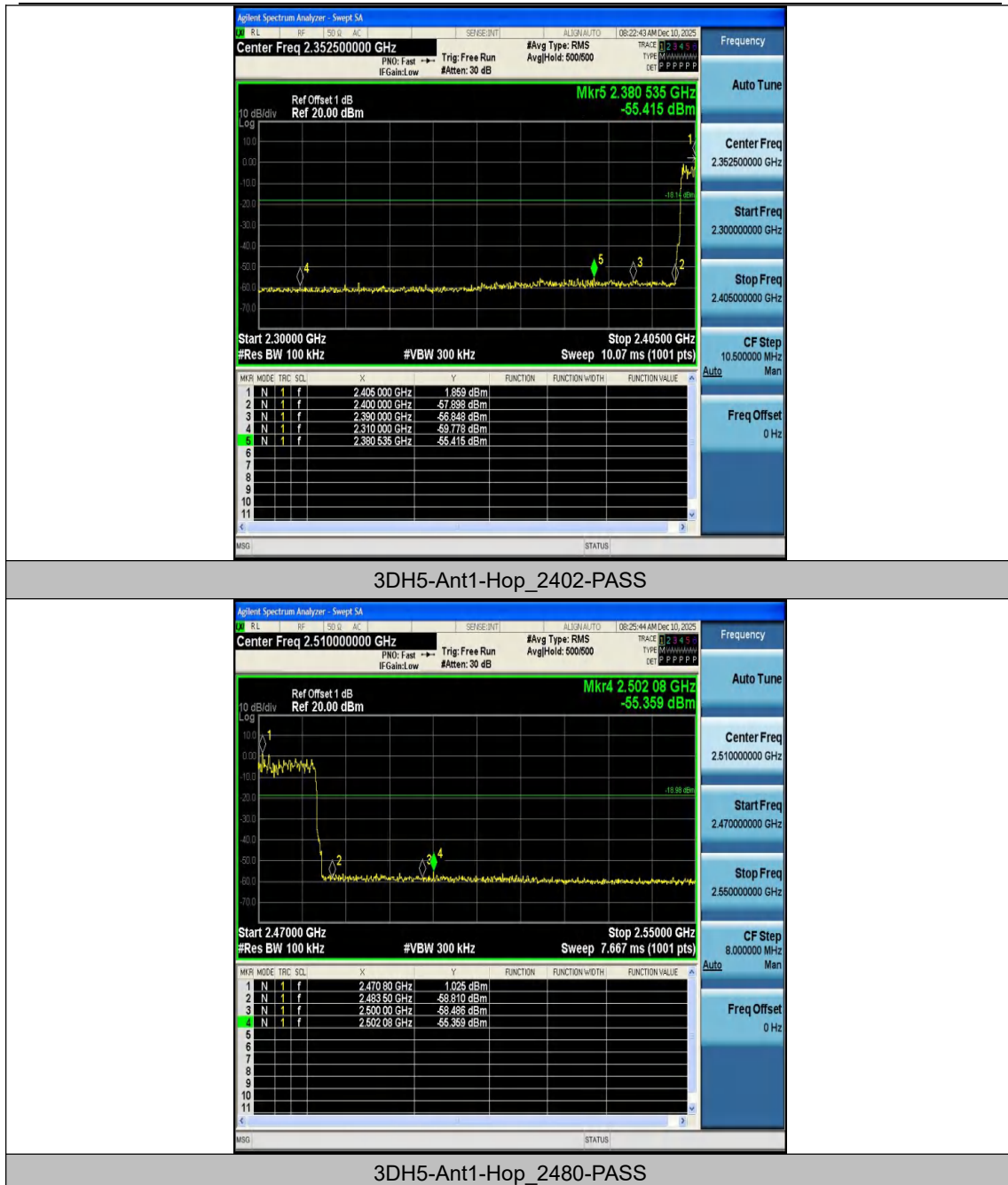
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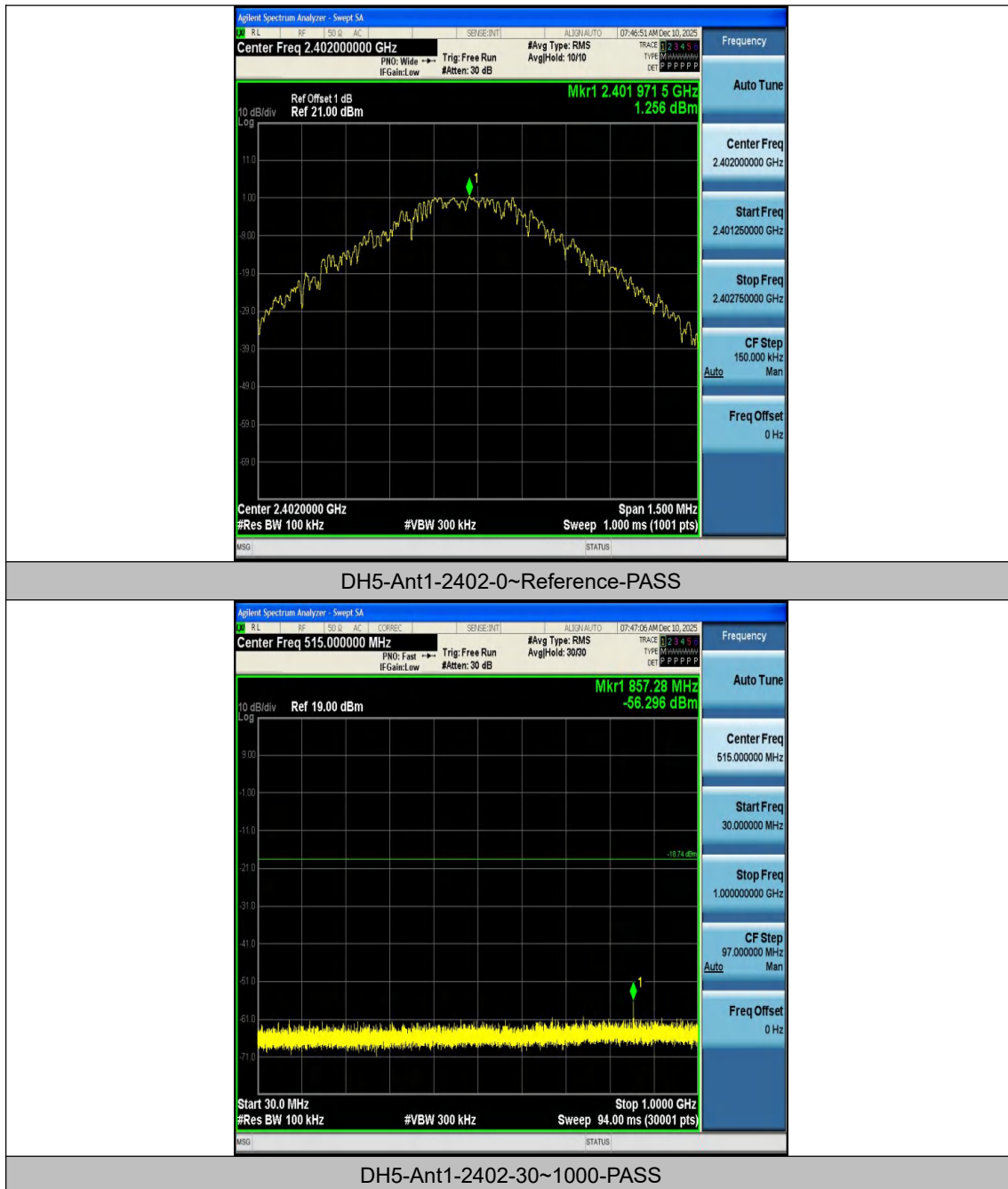
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.26	1.26	---	PASS
DH5	Ant1	2402	30~1000	1.26	-56.3	≤-18.74	PASS
DH5	Ant1	2402	1000~26500	1.26	-35.85	≤-18.74	PASS
DH5	Ant1	2441	0~Reference	0.90	0.90	---	PASS
DH5	Ant1	2441	30~1000	0.90	-56.31	≤-19.1	PASS
DH5	Ant1	2441	1000~26500	0.90	-45.57	≤-19.1	PASS
DH5	Ant1	2480	0~Reference	1.51	1.51	---	PASS
DH5	Ant1	2480	30~1000	1.51	-59.82	≤-18.49	PASS
DH5	Ant1	2480	1000~26500	1.51	-43.66	≤-18.49	PASS
2DH5	Ant1	2402	0~Reference	1.12	1.12	---	PASS
2DH5	Ant1	2402	30~1000	1.12	-53.16	≤-18.88	PASS
2DH5	Ant1	2402	1000~26500	1.12	-46.44	≤-18.88	PASS
2DH5	Ant1	2441	0~Reference	0.97	0.97	---	PASS
2DH5	Ant1	2441	30~1000	0.97	-50.63	≤-19.03	PASS
2DH5	Ant1	2441	1000~26500	0.97	-45.85	≤-19.03	PASS
2DH5	Ant1	2480	0~Reference	-1.67	-1.67	---	PASS
2DH5	Ant1	2480	30~1000	-1.67	-58.22	≤-21.67	PASS
2DH5	Ant1	2480	1000~26500	-1.67	-45.96	≤-21.67	PASS
3DH5	Ant1	2402	0~Reference	-0.27	-0.27	---	PASS
3DH5	Ant1	2402	30~1000	-0.27	-60.04	≤-20.27	PASS
3DH5	Ant1	2402	1000~26500	-0.27	-46.32	≤-20.27	PASS
3DH5	Ant1	2441	0~Reference	-2.10	-2.10	---	PASS
3DH5	Ant1	2441	30~1000	-2.10	-59.47	≤-22.1	PASS
3DH5	Ant1	2441	1000~26500	-2.10	-46.37	≤-22.1	PASS
3DH5	Ant1	2480	0~Reference	-0.63	-0.63	---	PASS
3DH5	Ant1	2480	30~1000	-0.63	-54.36	≤-20.63	PASS
3DH5	Ant1	2480	1000~26500	-0.63	-46.07	≤-20.63	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.

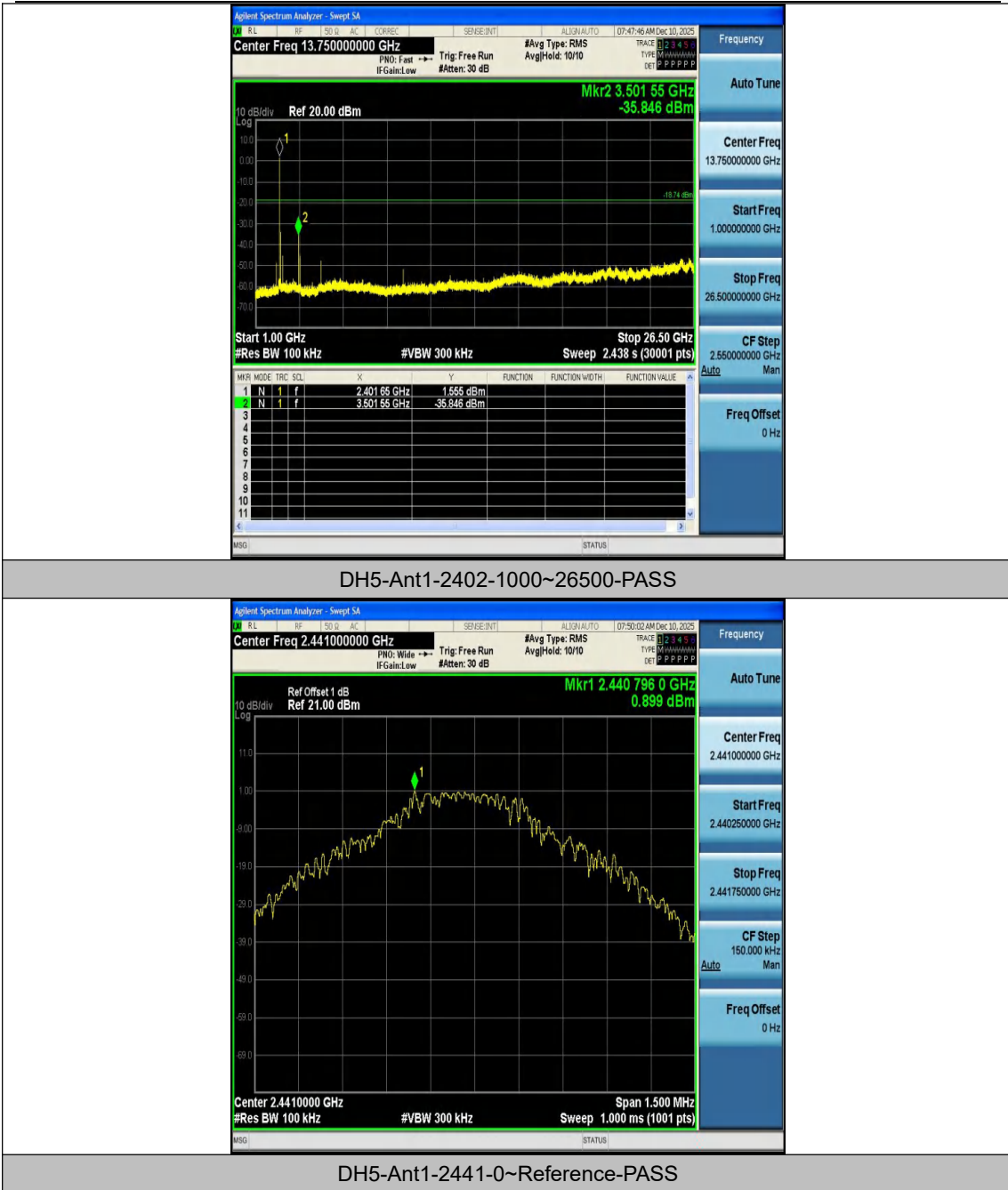
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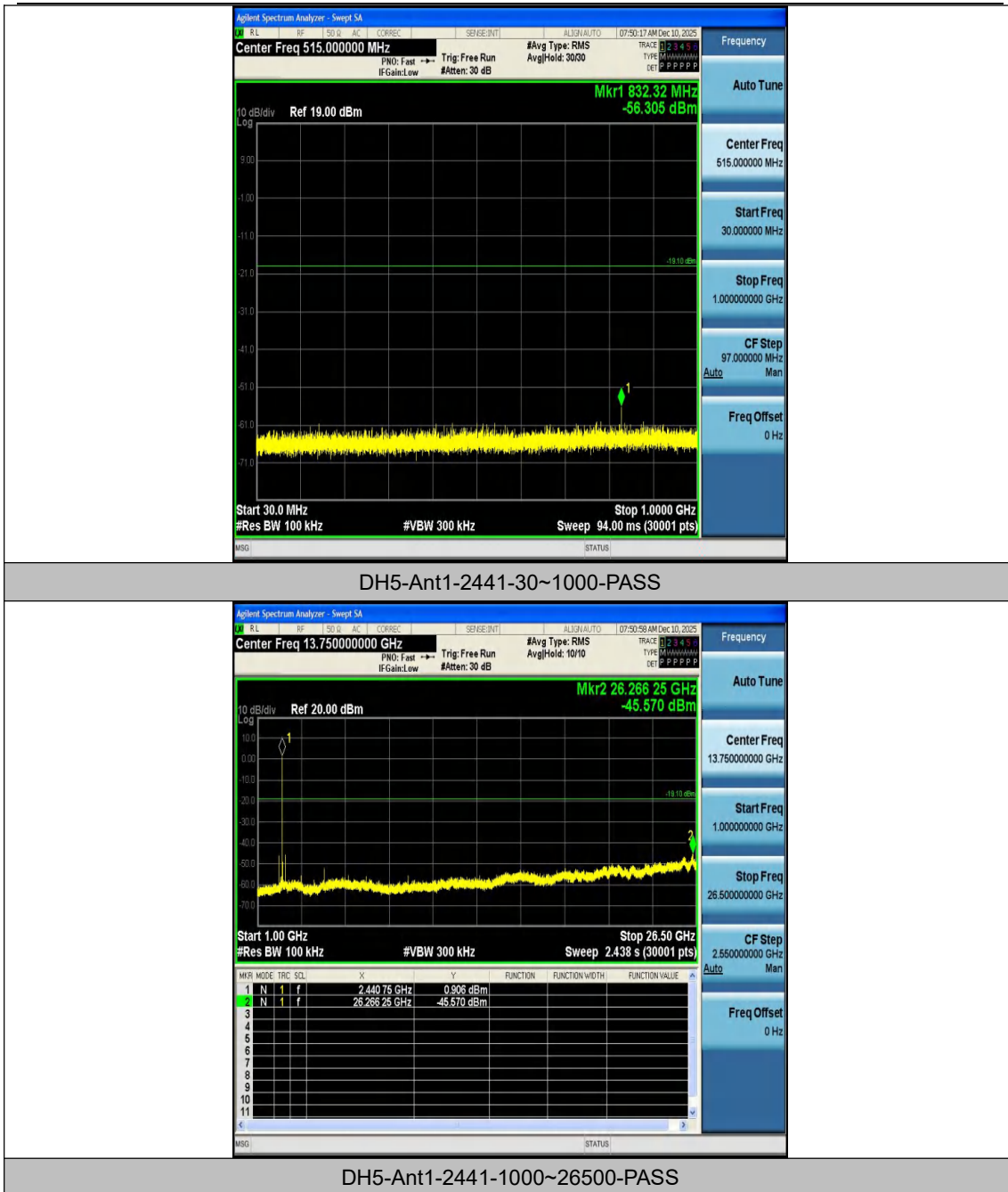
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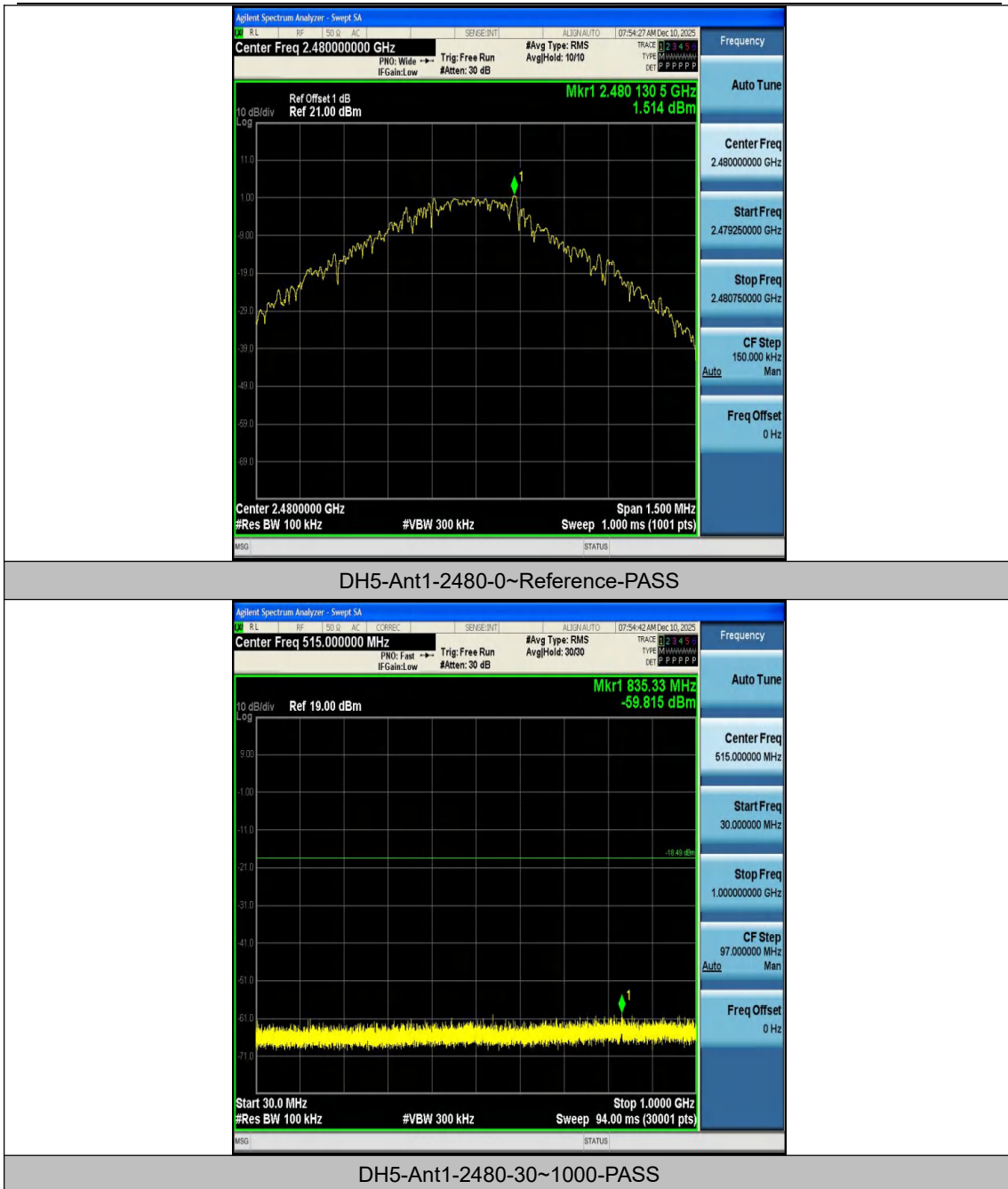
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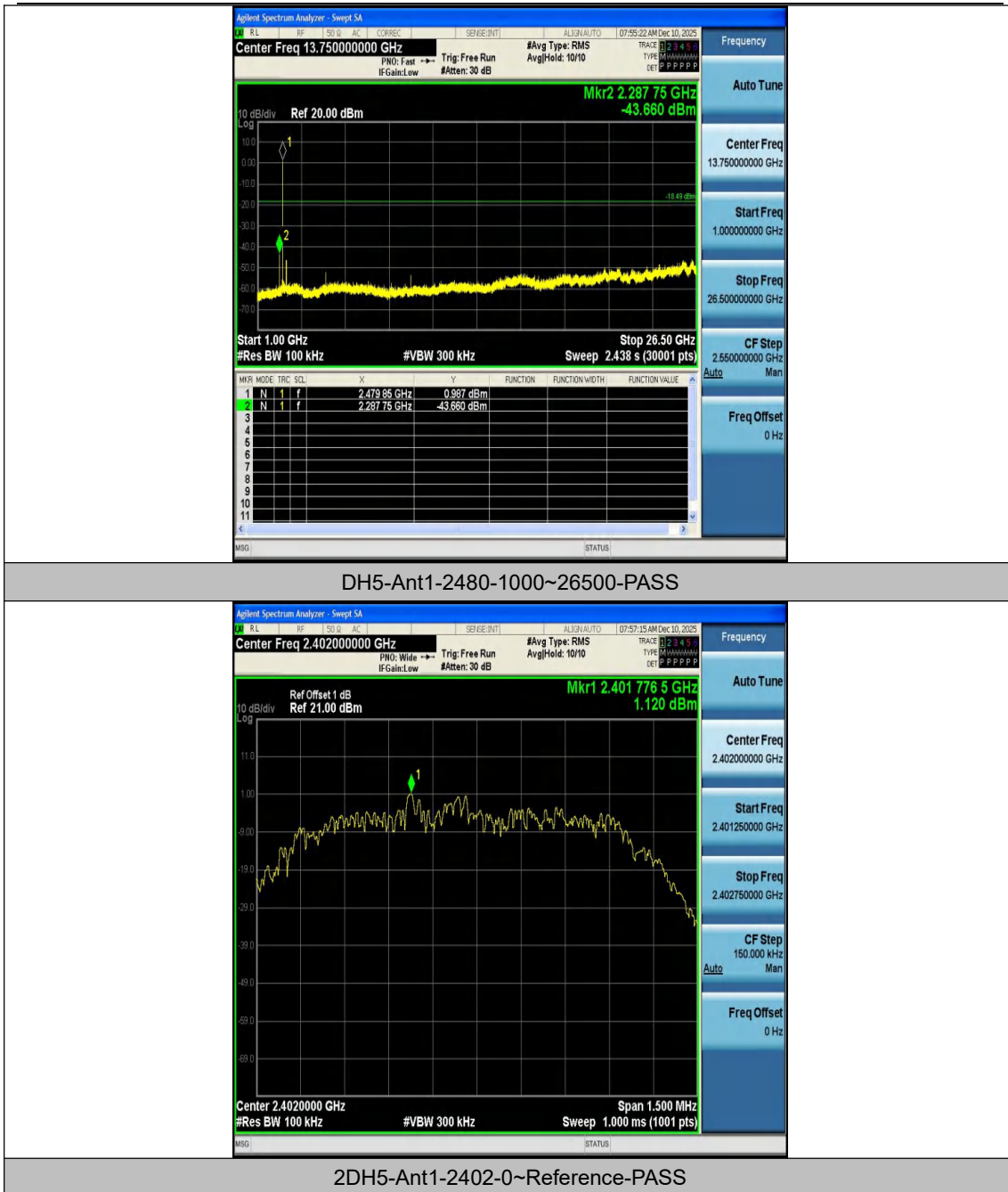
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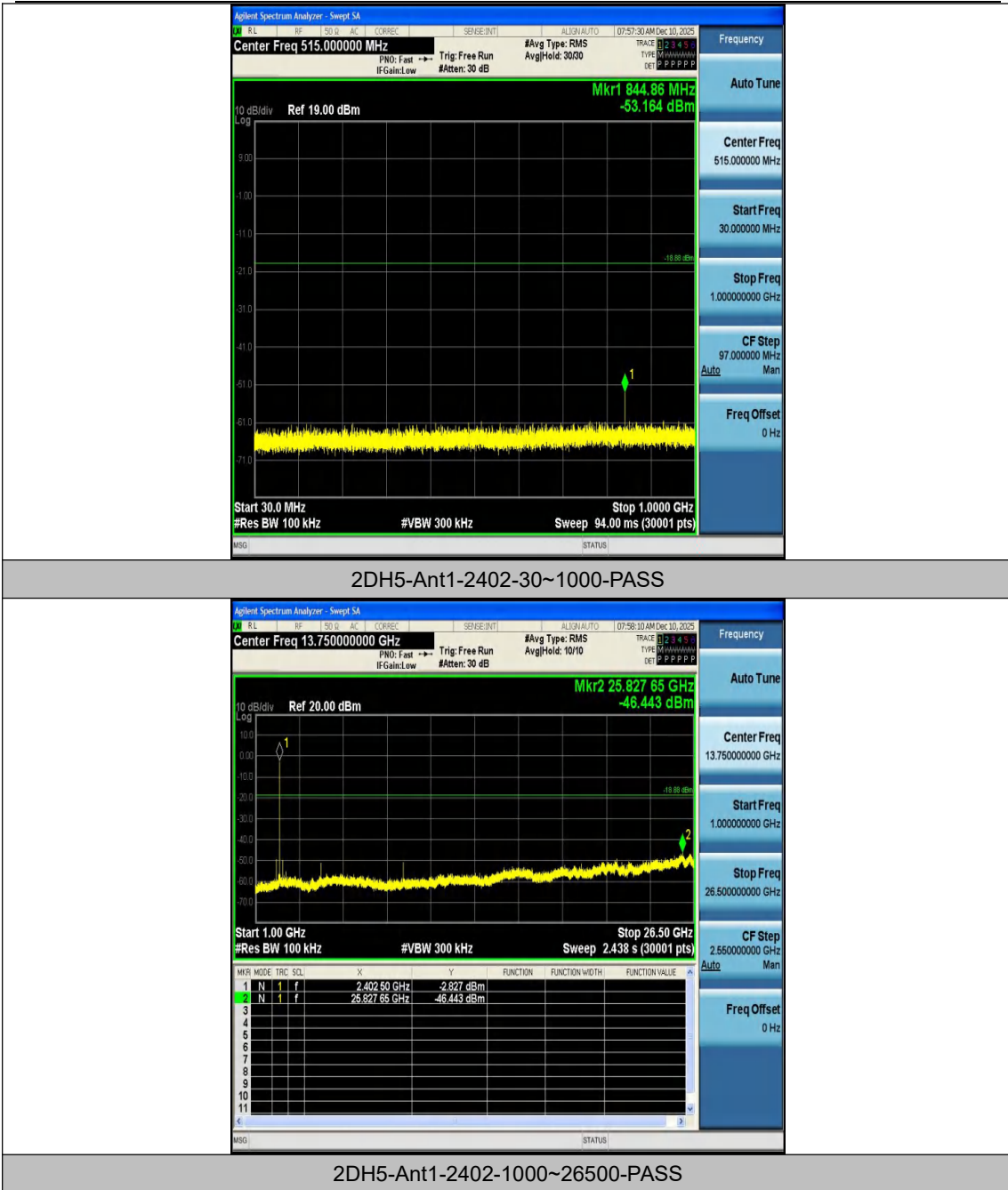
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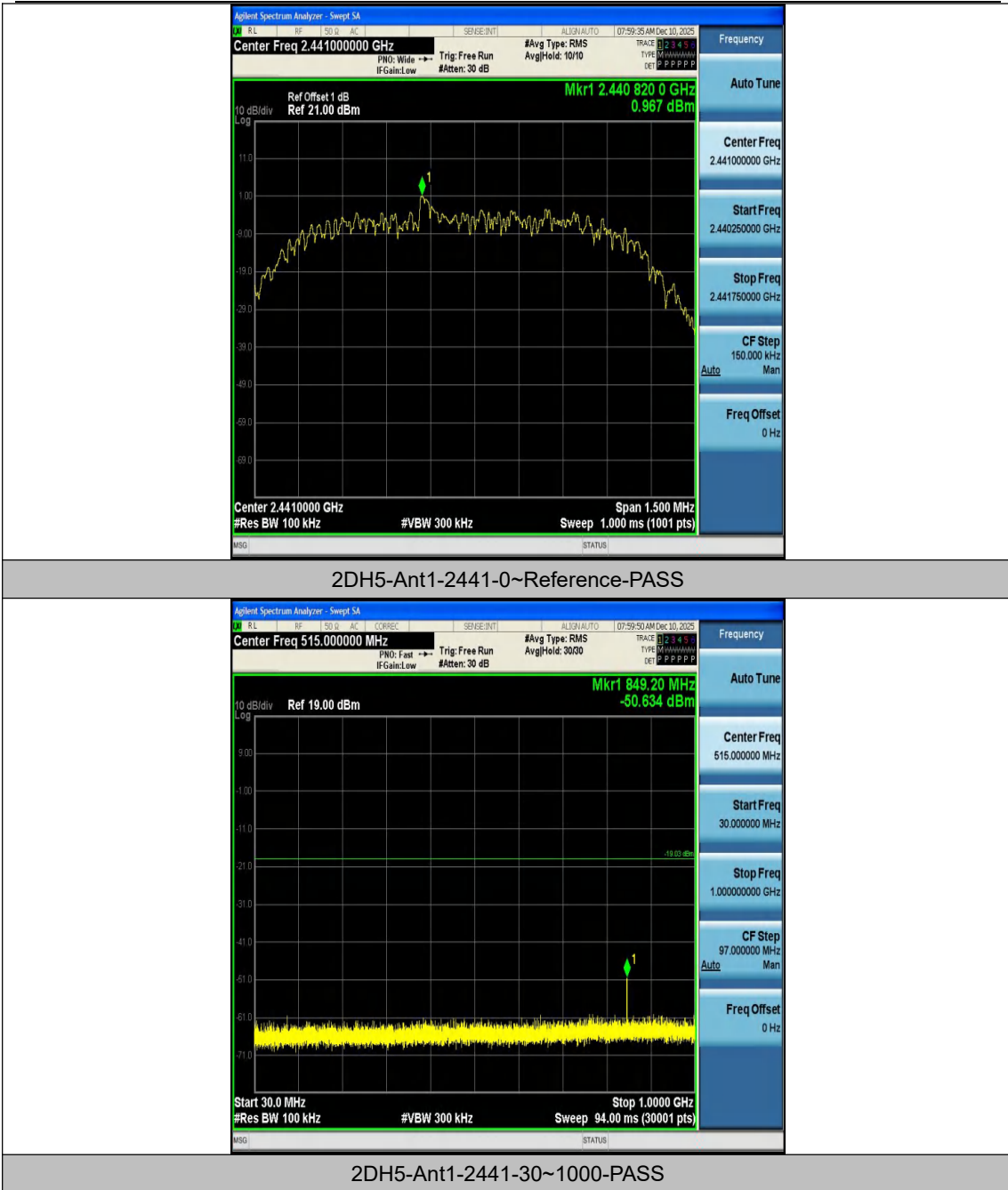
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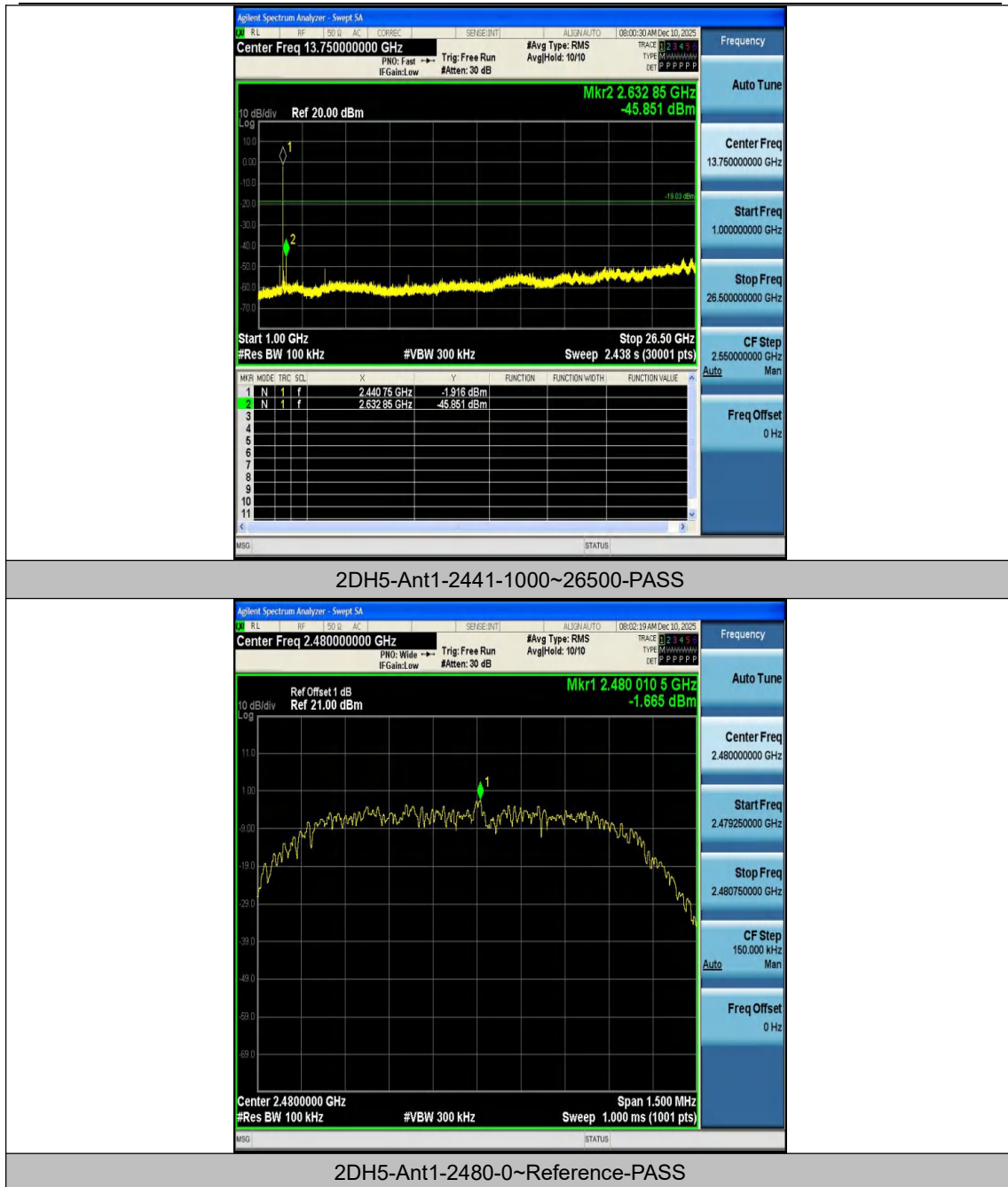
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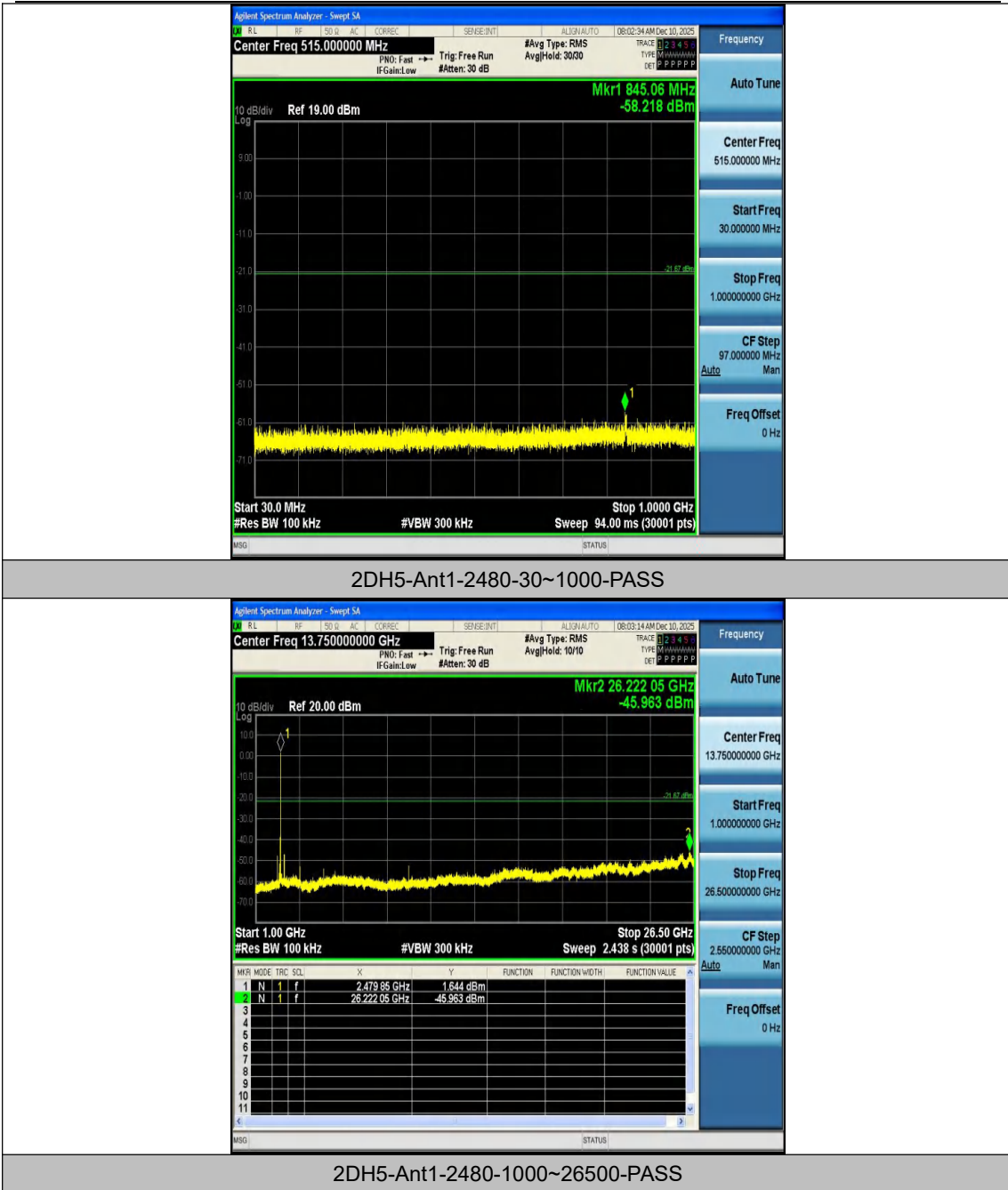
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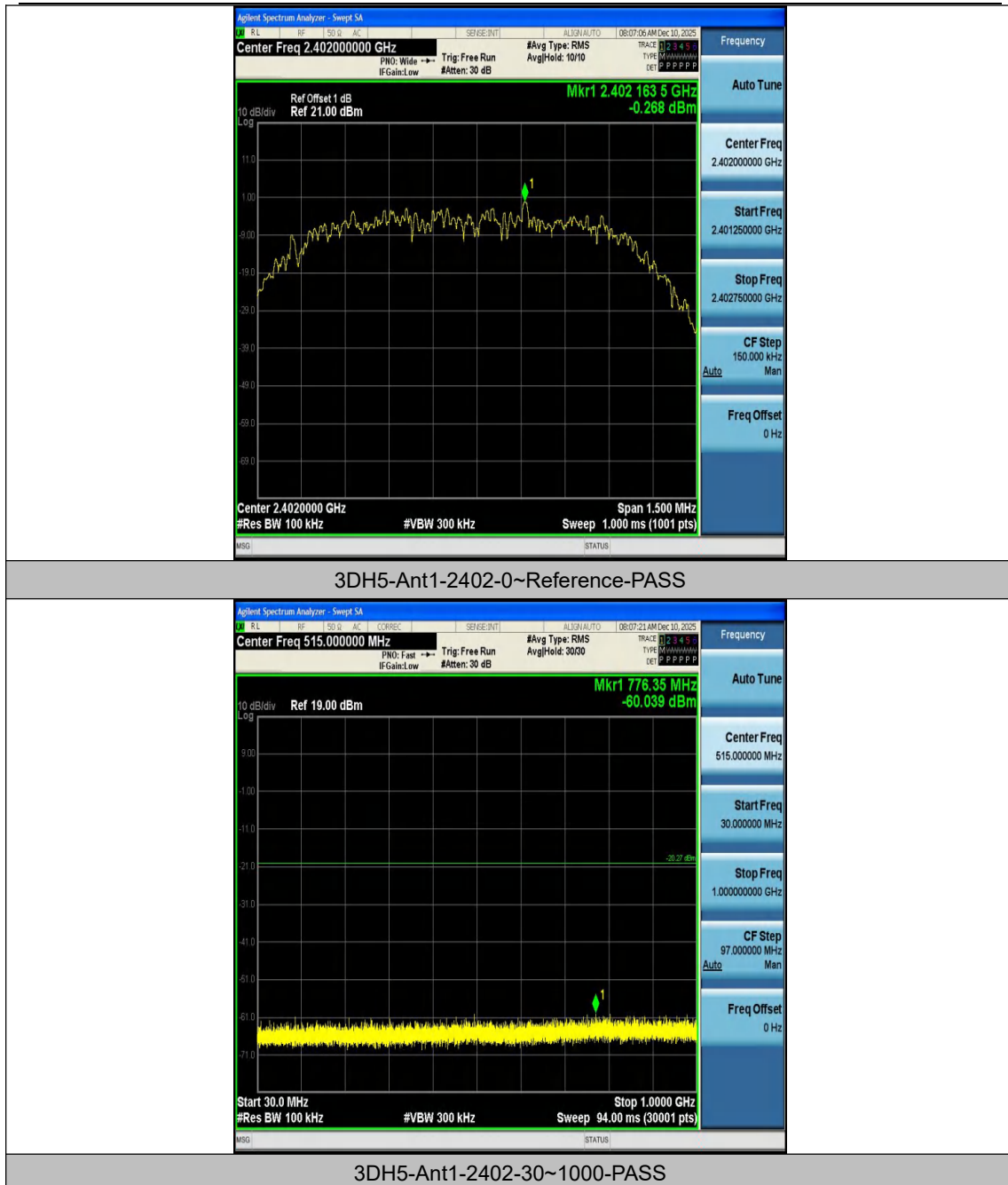
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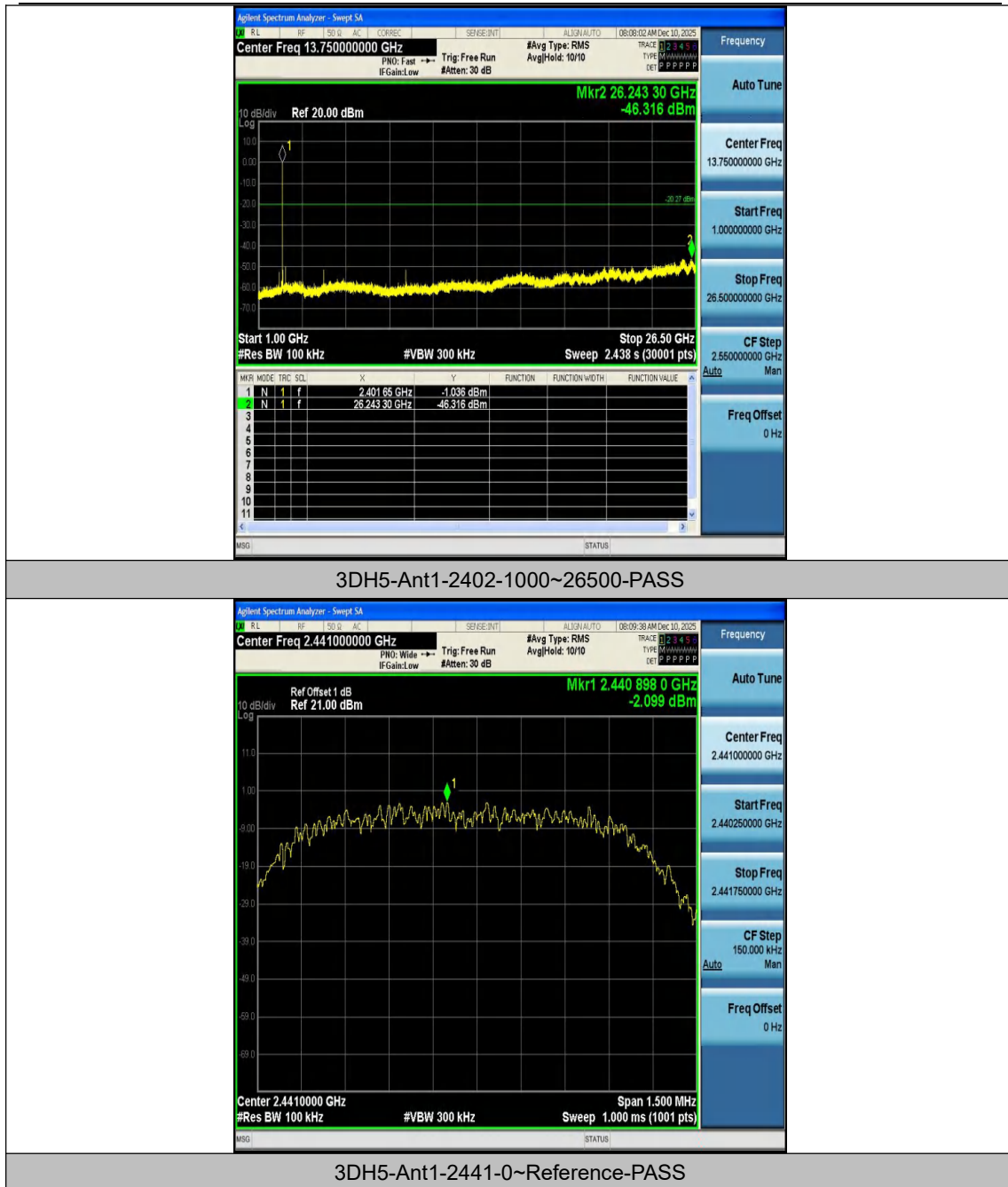
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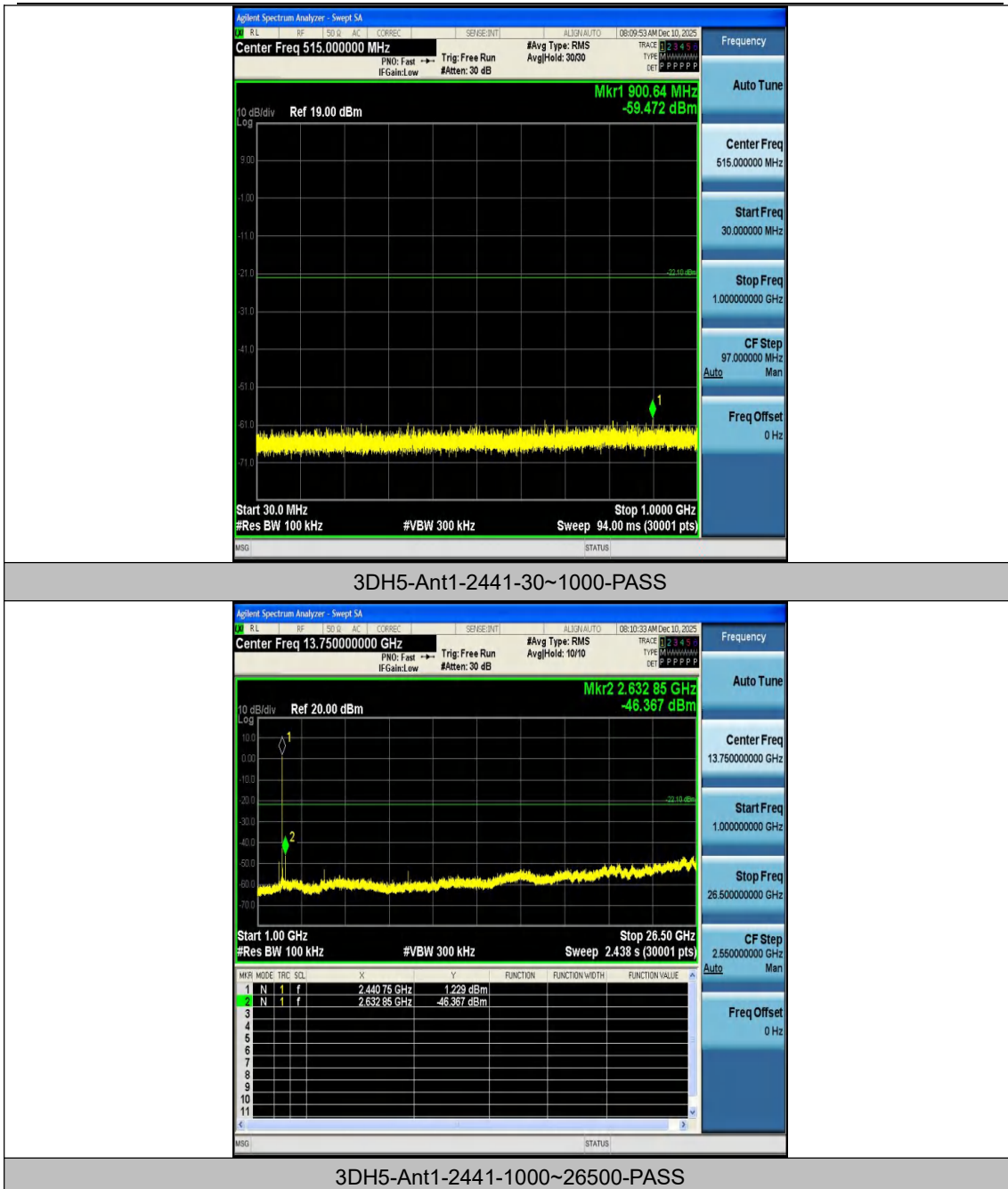
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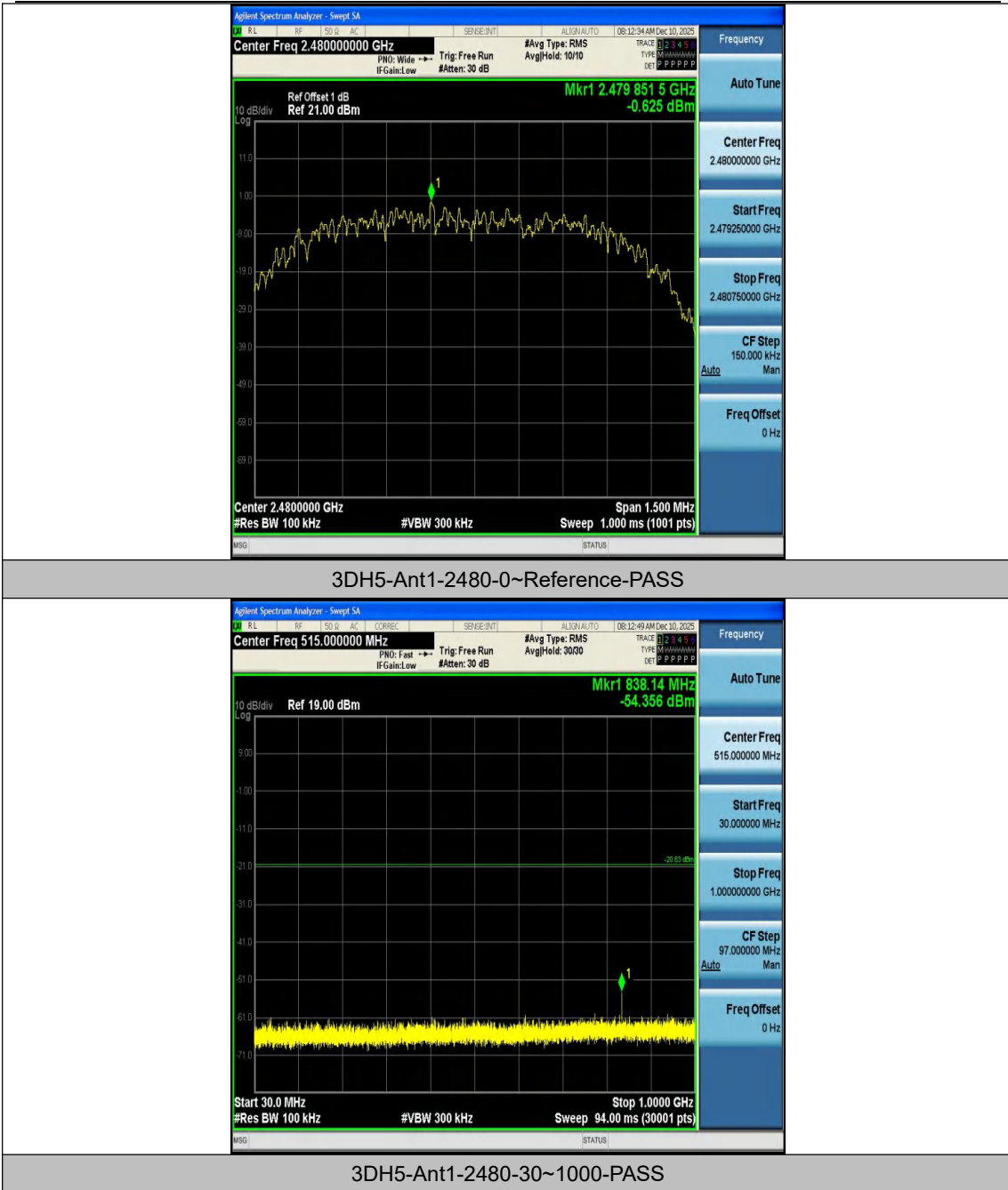
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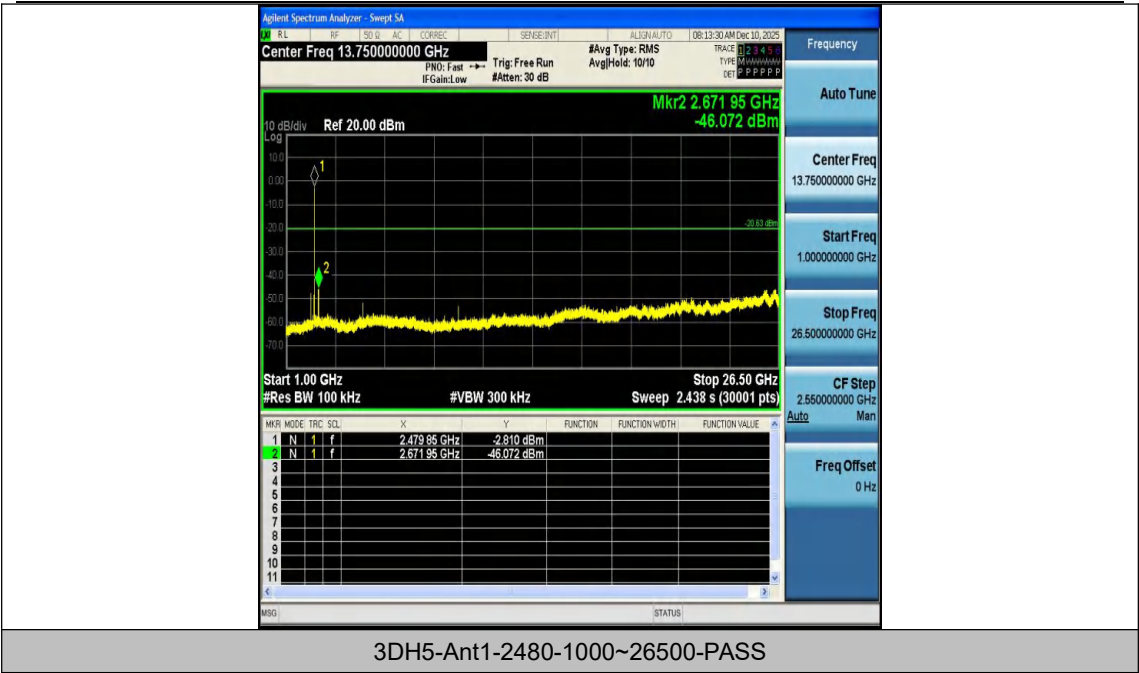
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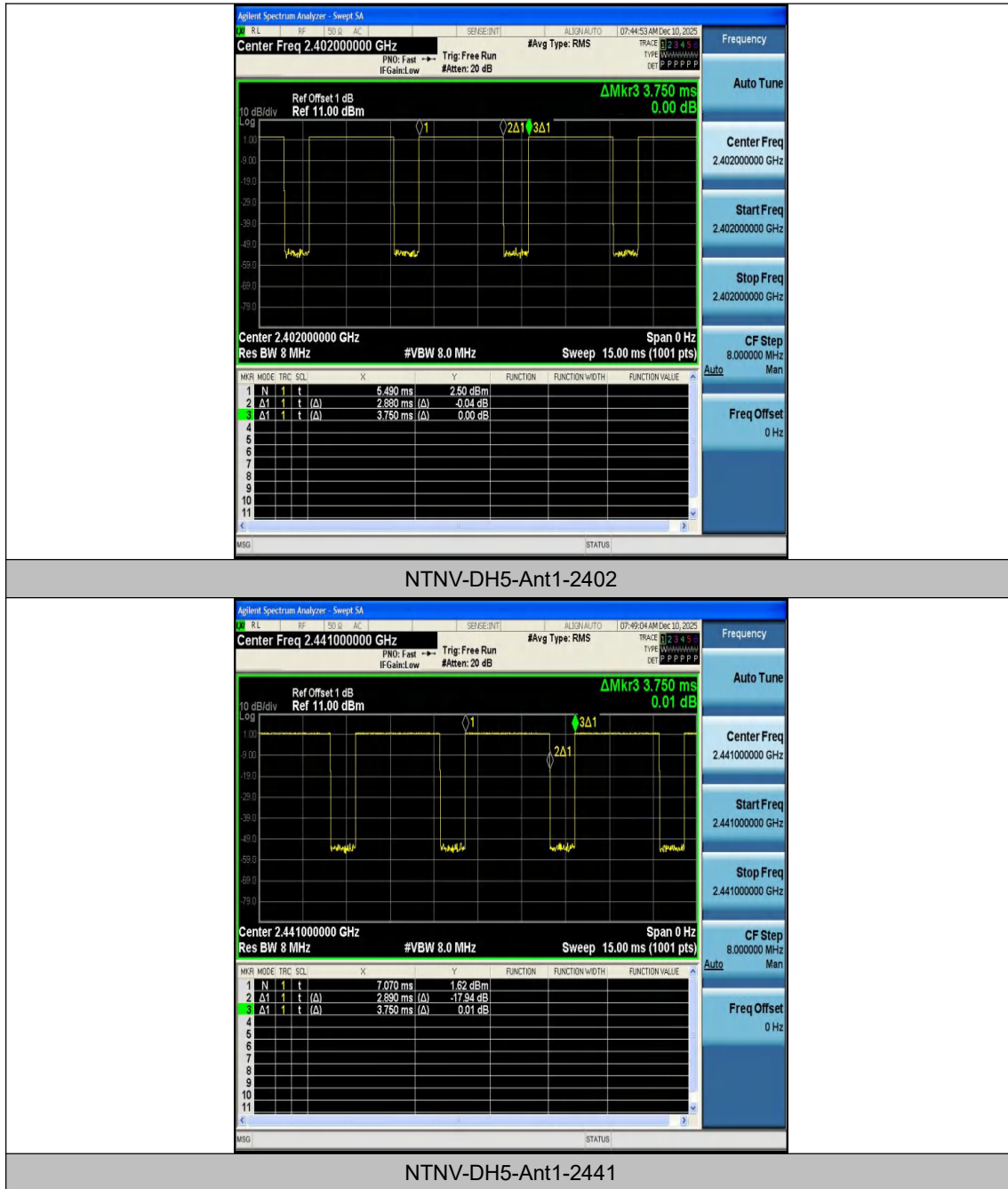
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
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	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.90	3.75	77.33	1.12

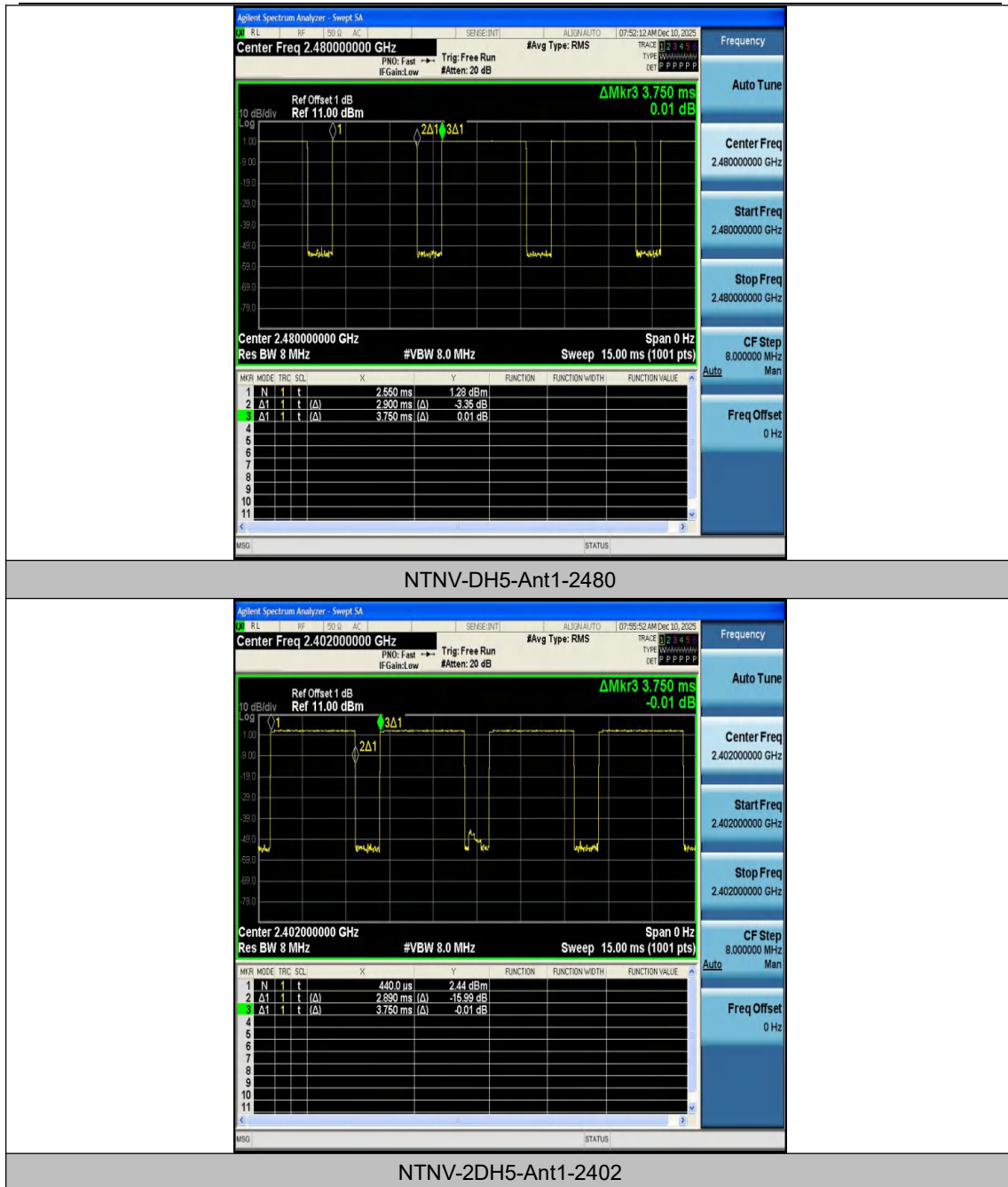
Test Graphs

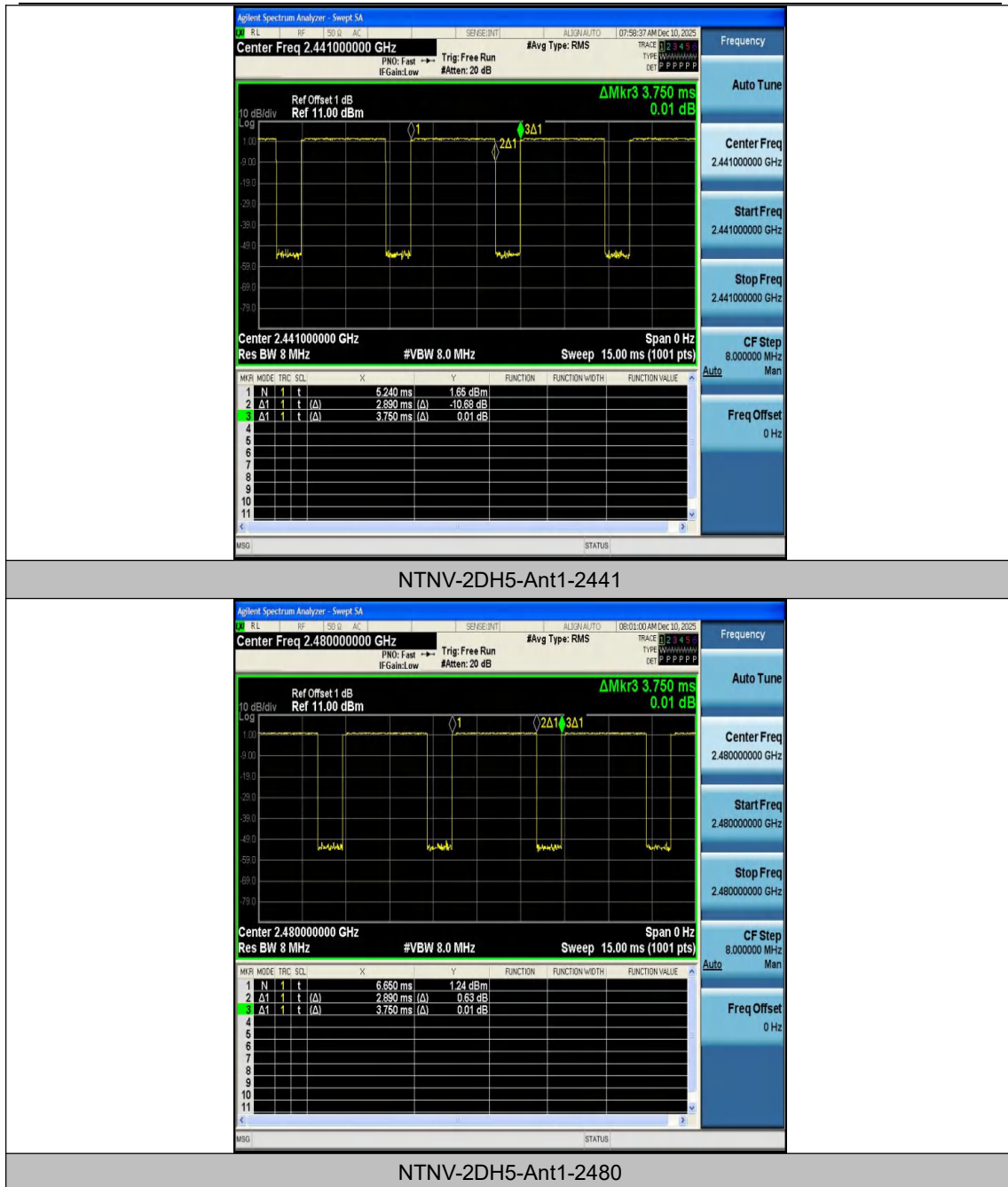


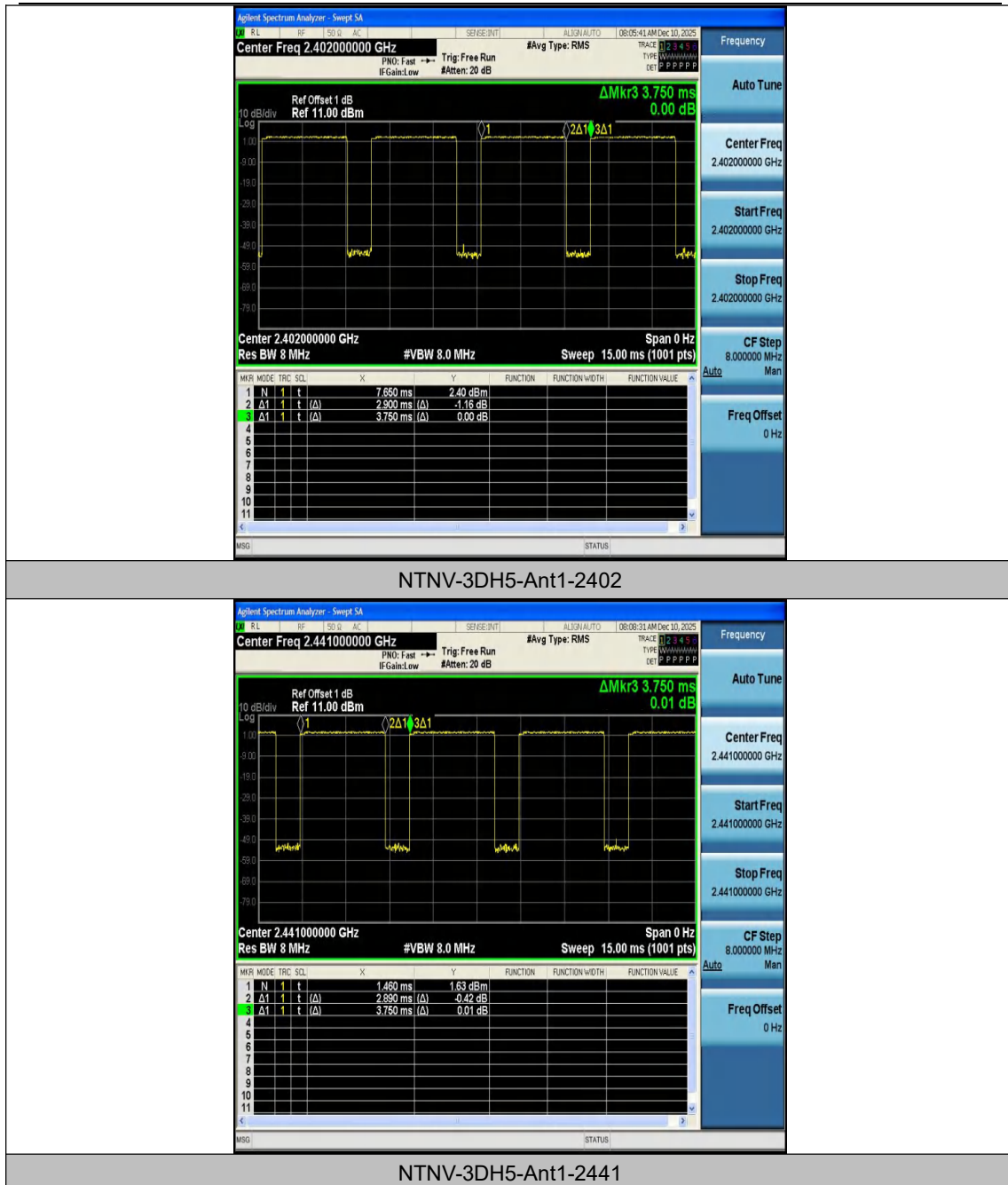
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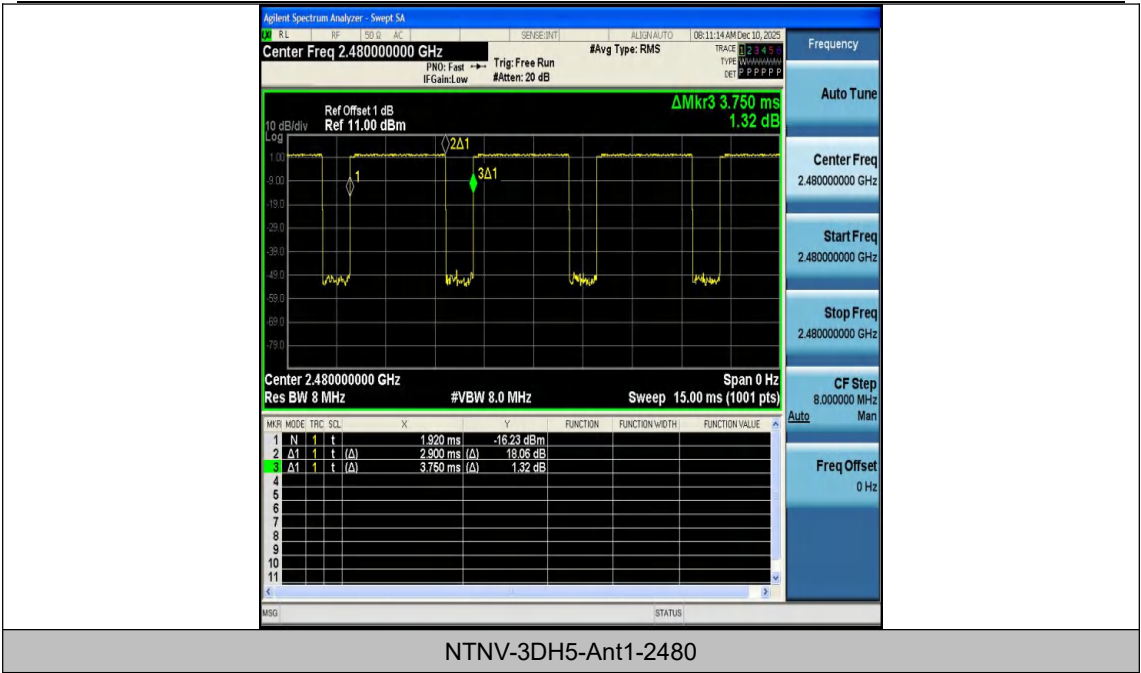




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NTNV-3DH5-Ant1-2480

---End---