

Appendix Test Data

Report No.:	1812C50587312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-4	Finish Test Date:	2025-11-21
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.1°C	Relative Humidity:	36%
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	0.951	2401.505	2402.456	---	---
DH5	Ant1	2441	1.011	2440.457	2441.468	---	---
DH5	Ant1	2480	1.023	2479.445	2480.468	---	---
2DH5	Ant1	2402	1.284	2401.334	2402.618	---	---
2DH5	Ant1	2441	1.281	2440.331	2441.612	---	---
2DH5	Ant1	2480	1.284	2479.331	2480.615	---	---
3DH5	Ant1	2402	1.278	2401.328	2402.606	---	---
3DH5	Ant1	2441	1.281	2440.340	2441.621	---	---
3DH5	Ant1	2480	1.290	2479.325	2480.615	---	---

Test Graphs



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3DH5-Ant1-2480

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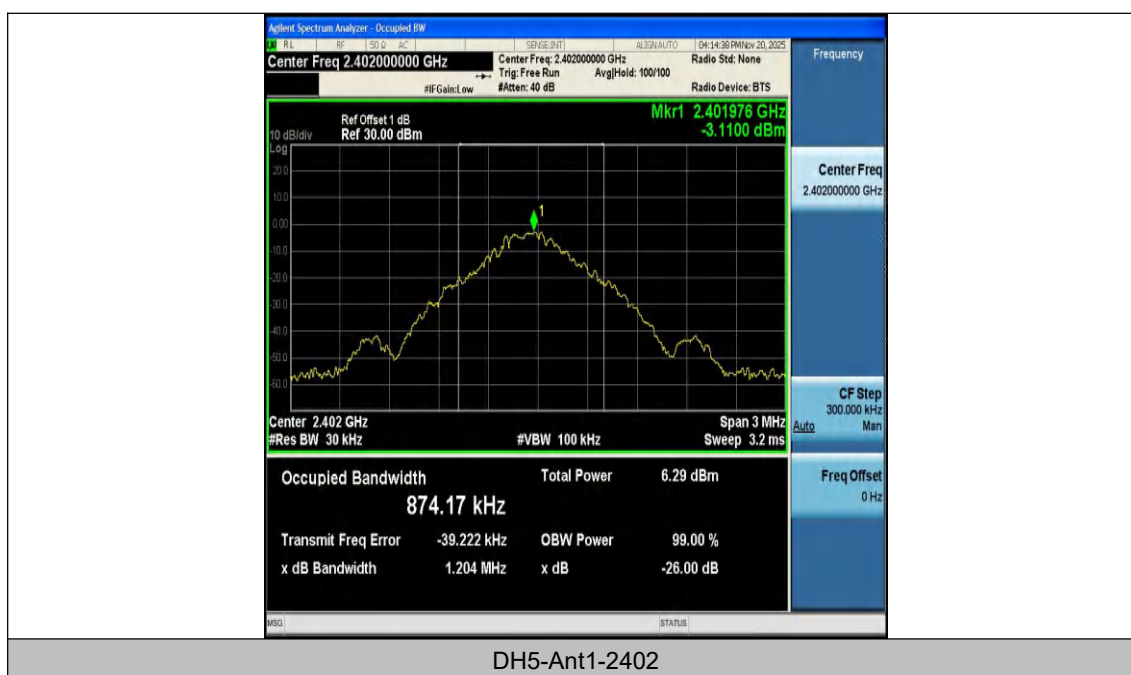
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87417	2401.5237	2402.3979	---	---
DH5	Ant1	2441	0.88961	2440.5189	2441.4085	---	---
DH5	Ant1	2480	0.87787	2479.5250	2480.4029	---	---
2DH5	Ant1	2402	1.1825	2401.3755	2402.5580	---	---
2DH5	Ant1	2441	1.1950	2440.3674	2441.5624	---	---
2DH5	Ant1	2480	1.2089	2479.3631	2480.5720	---	---
3DH5	Ant1	2402	1.1834	2401.3793	2402.5627	---	---
3DH5	Ant1	2441	1.1946	2440.3654	2441.5600	---	---
3DH5	Ant1	2480	1.1948	2479.3692	2480.5640	---	---

Test Graphs





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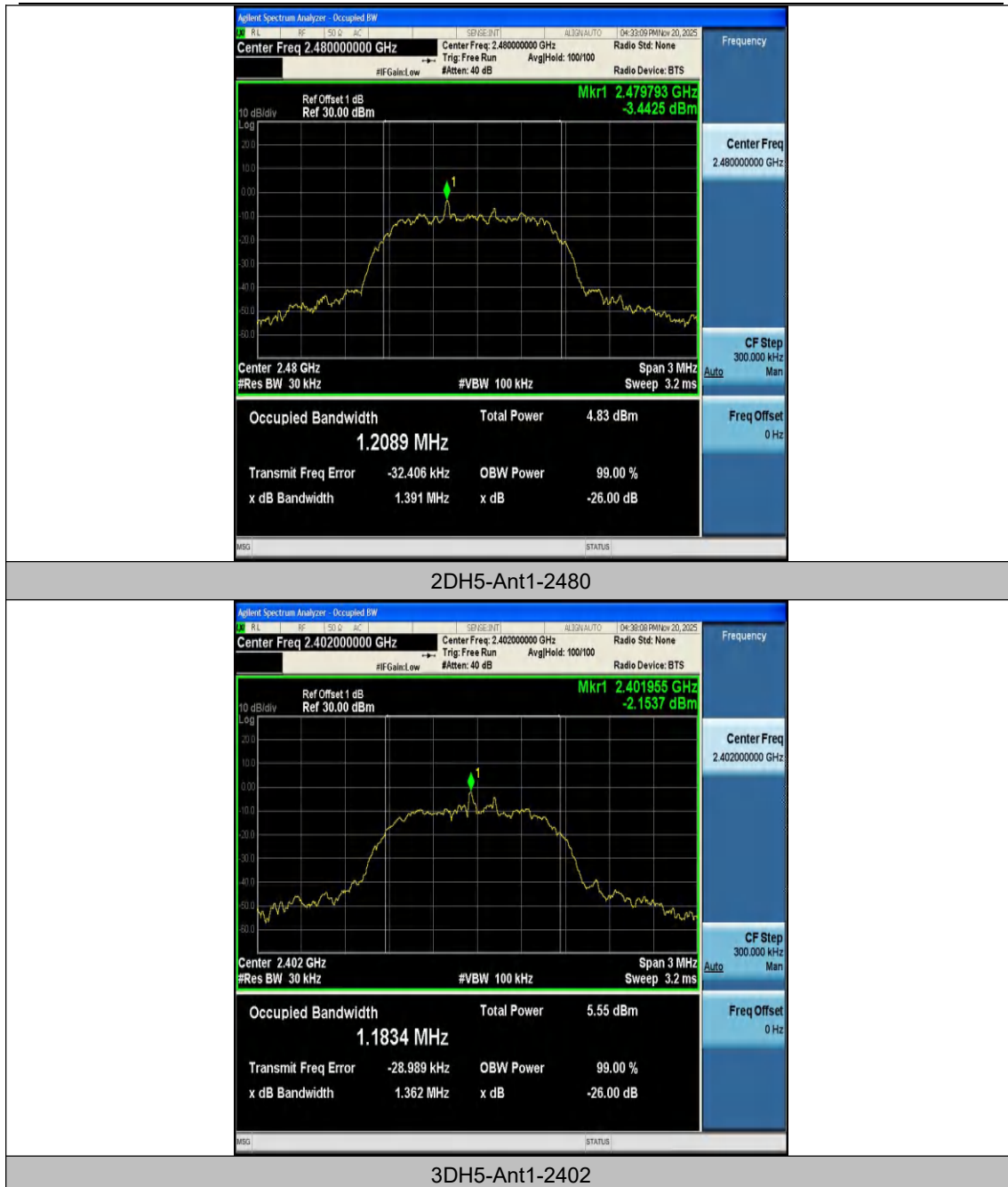
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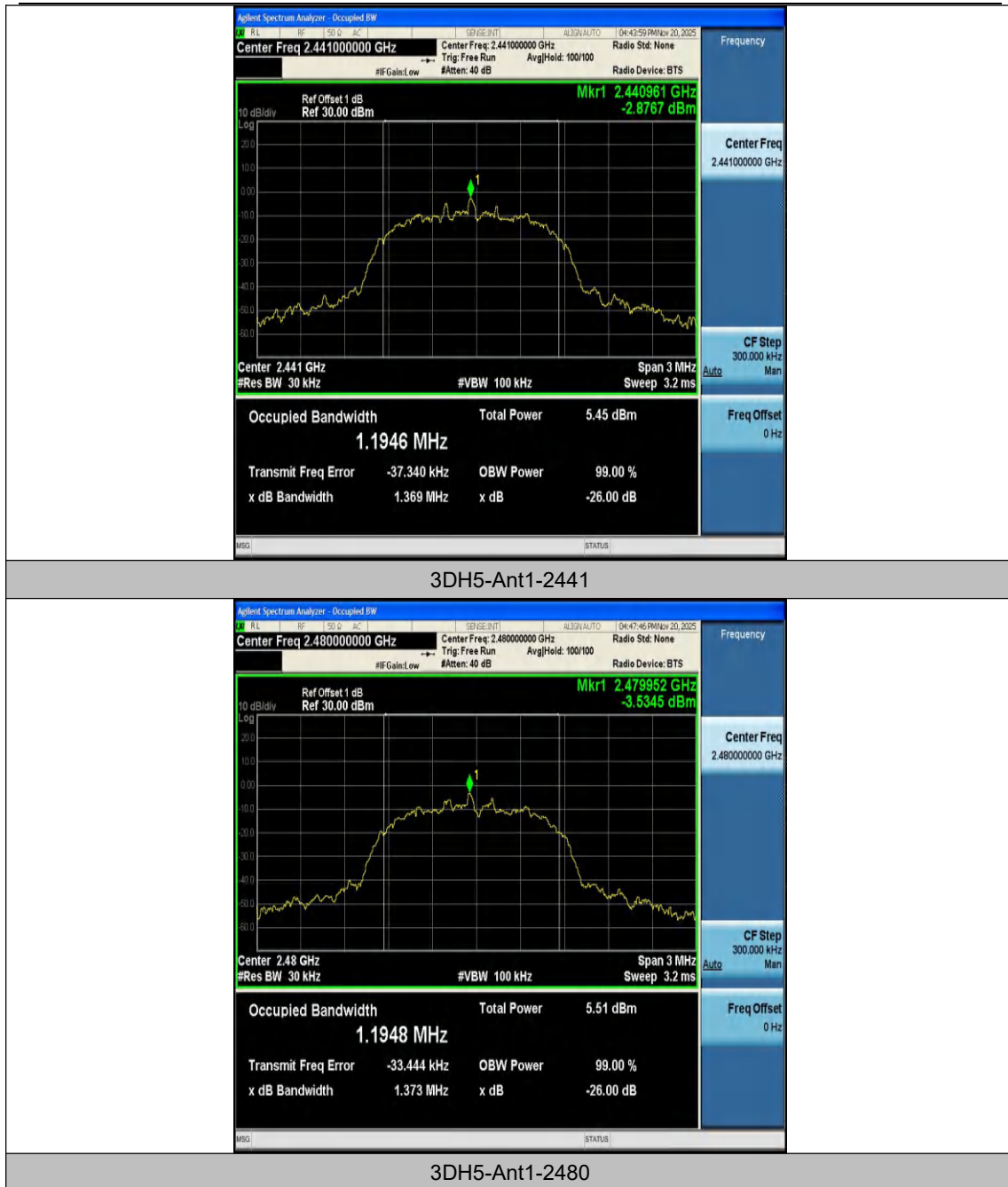
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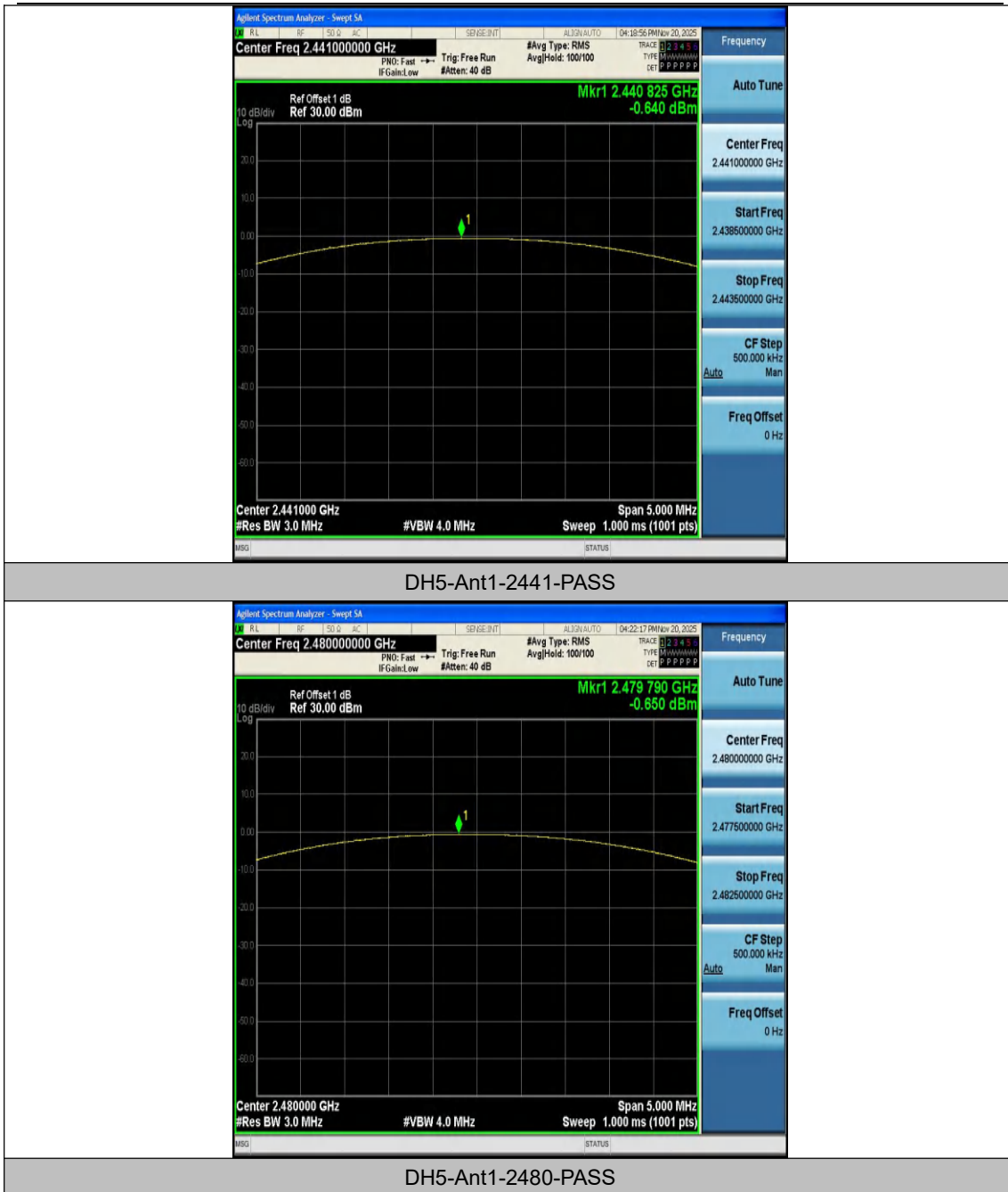
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.36	≤20.97	PASS
DH5	Ant1	2441	-0.64	≤20.97	PASS
DH5	Ant1	2480	-0.65	≤20.97	PASS
2DH5	Ant1	2402	0.44	≤20.97	PASS
2DH5	Ant1	2441	0.15	≤20.97	PASS
2DH5	Ant1	2480	0.23	≤20.97	PASS
3DH5	Ant1	2402	0.83	≤20.97	PASS
3DH5	Ant1	2441	0.51	≤20.97	PASS
3DH5	Ant1	2480	0.53	≤20.97	PASS

Test Graphs

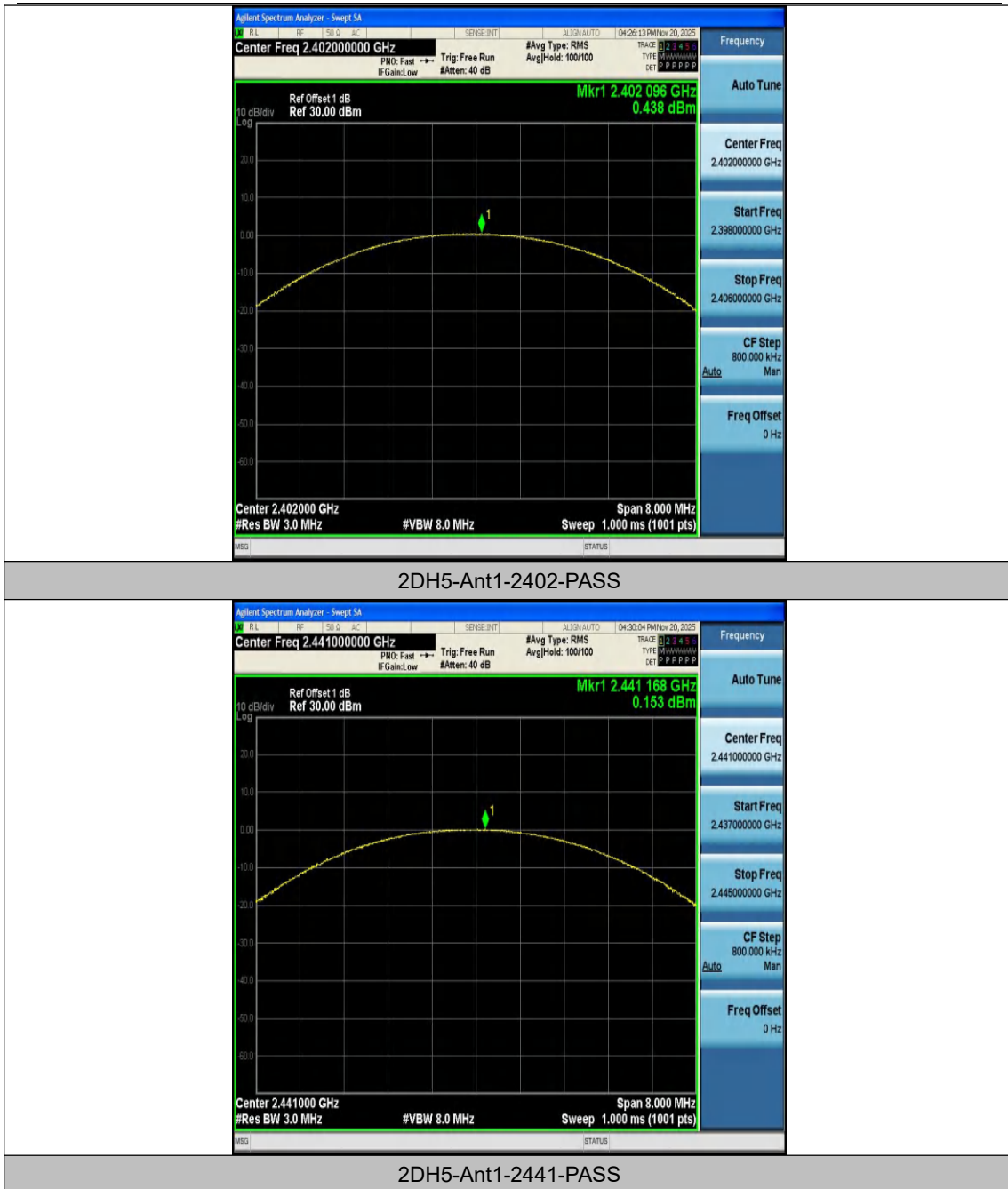




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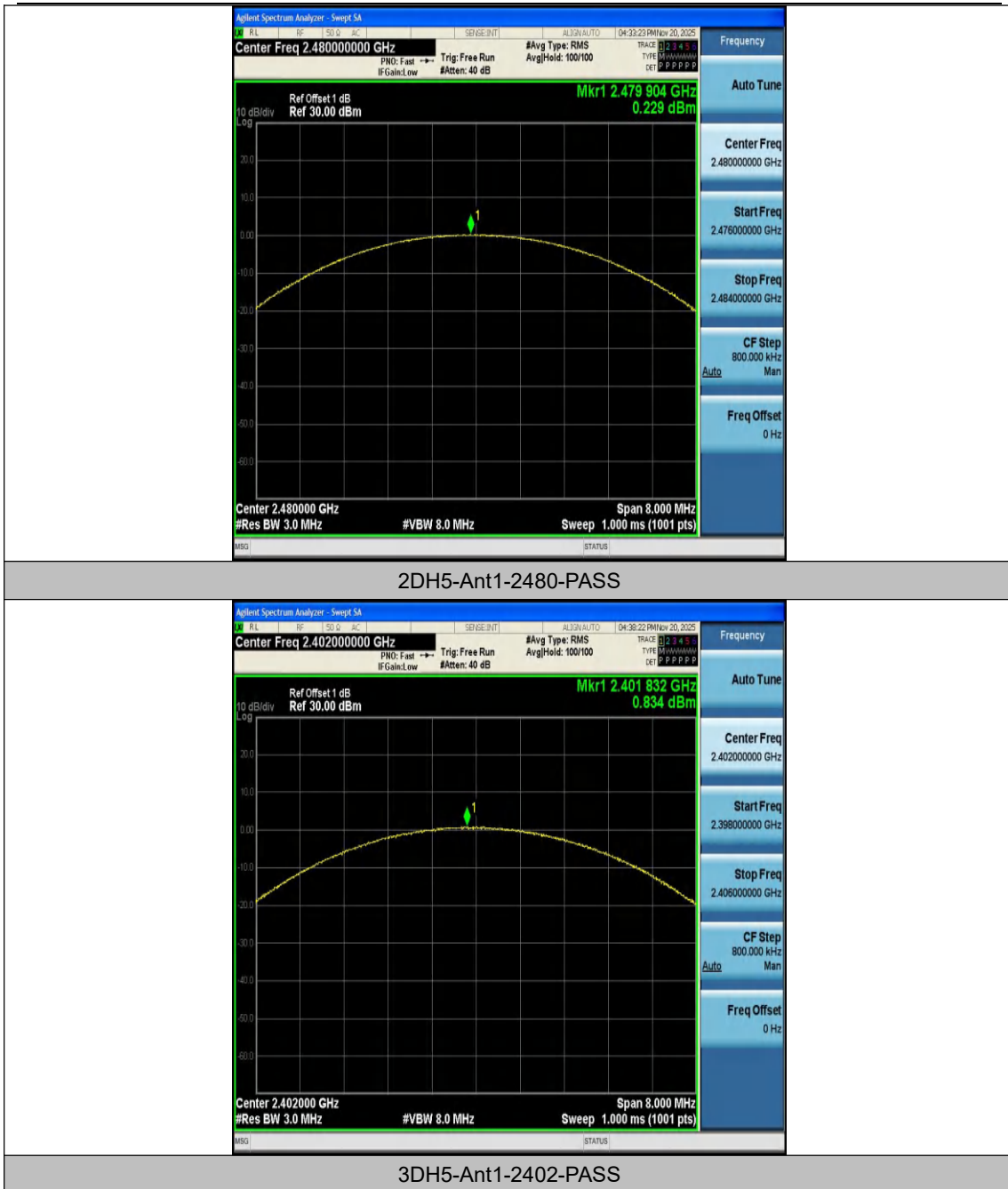
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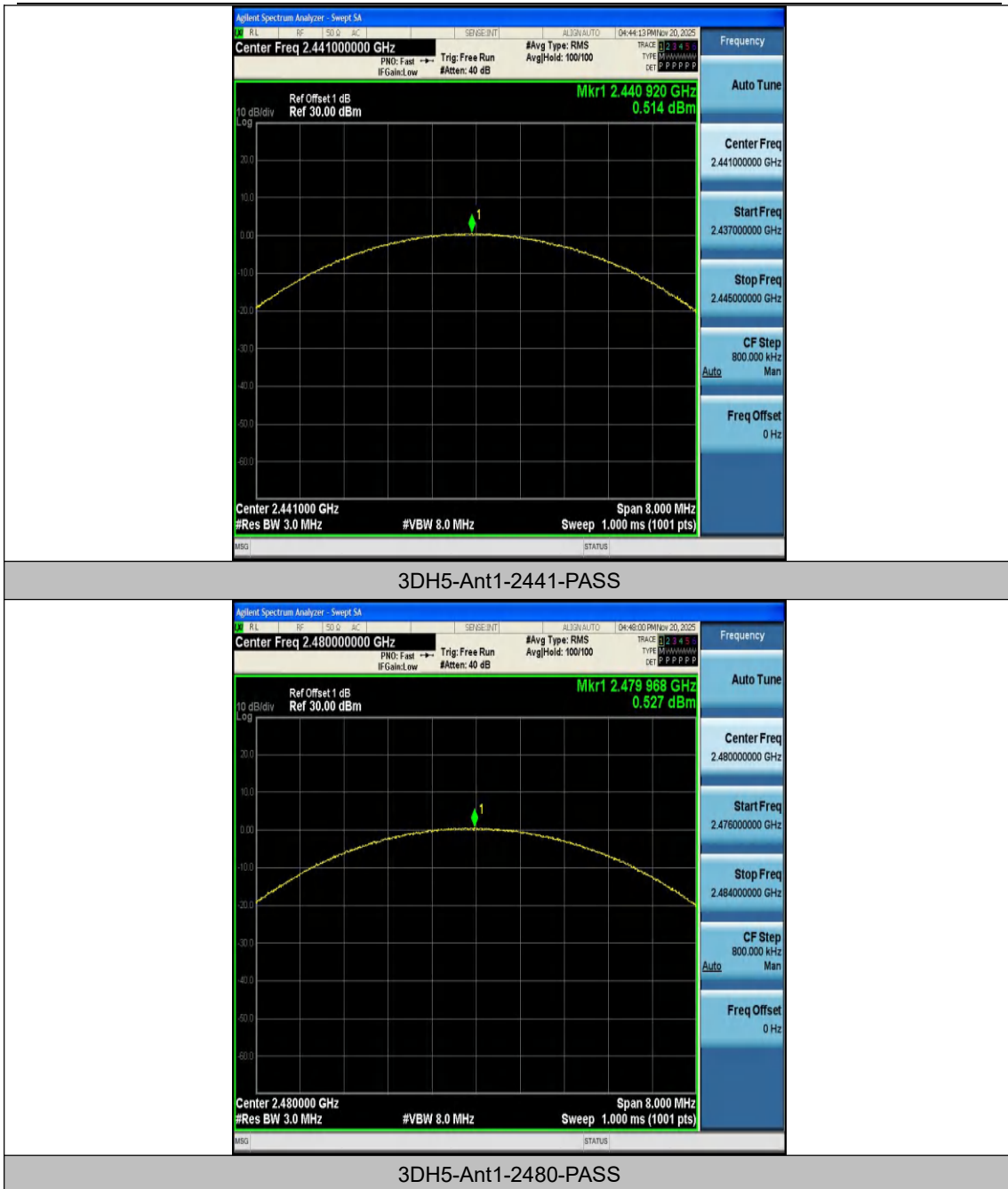
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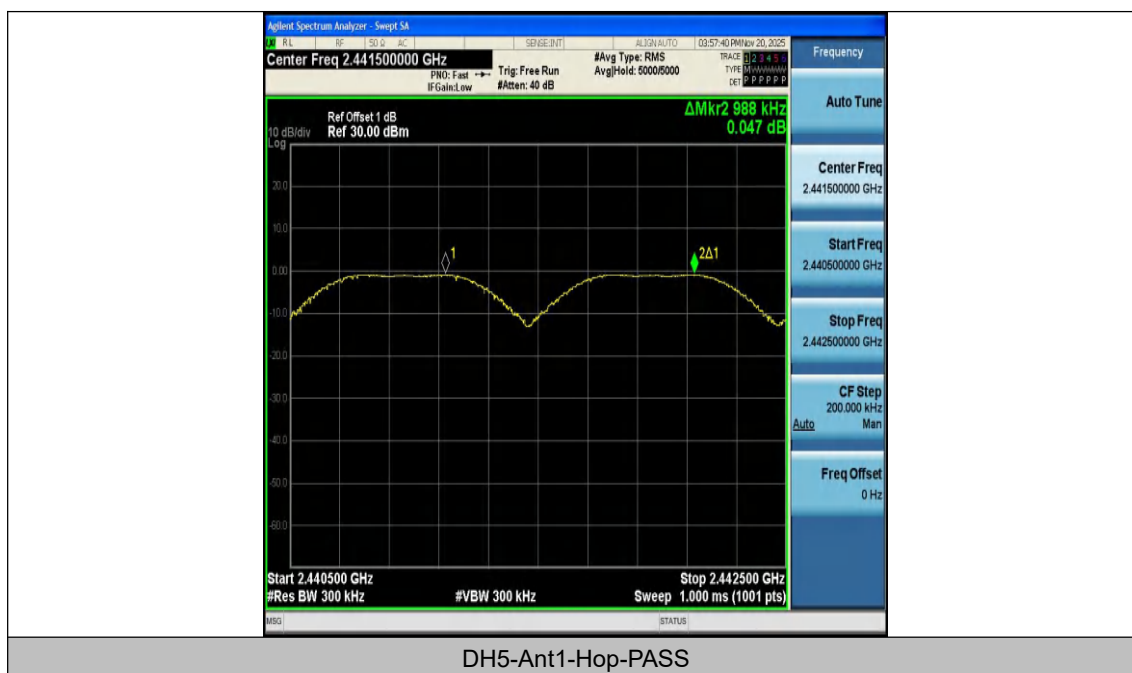
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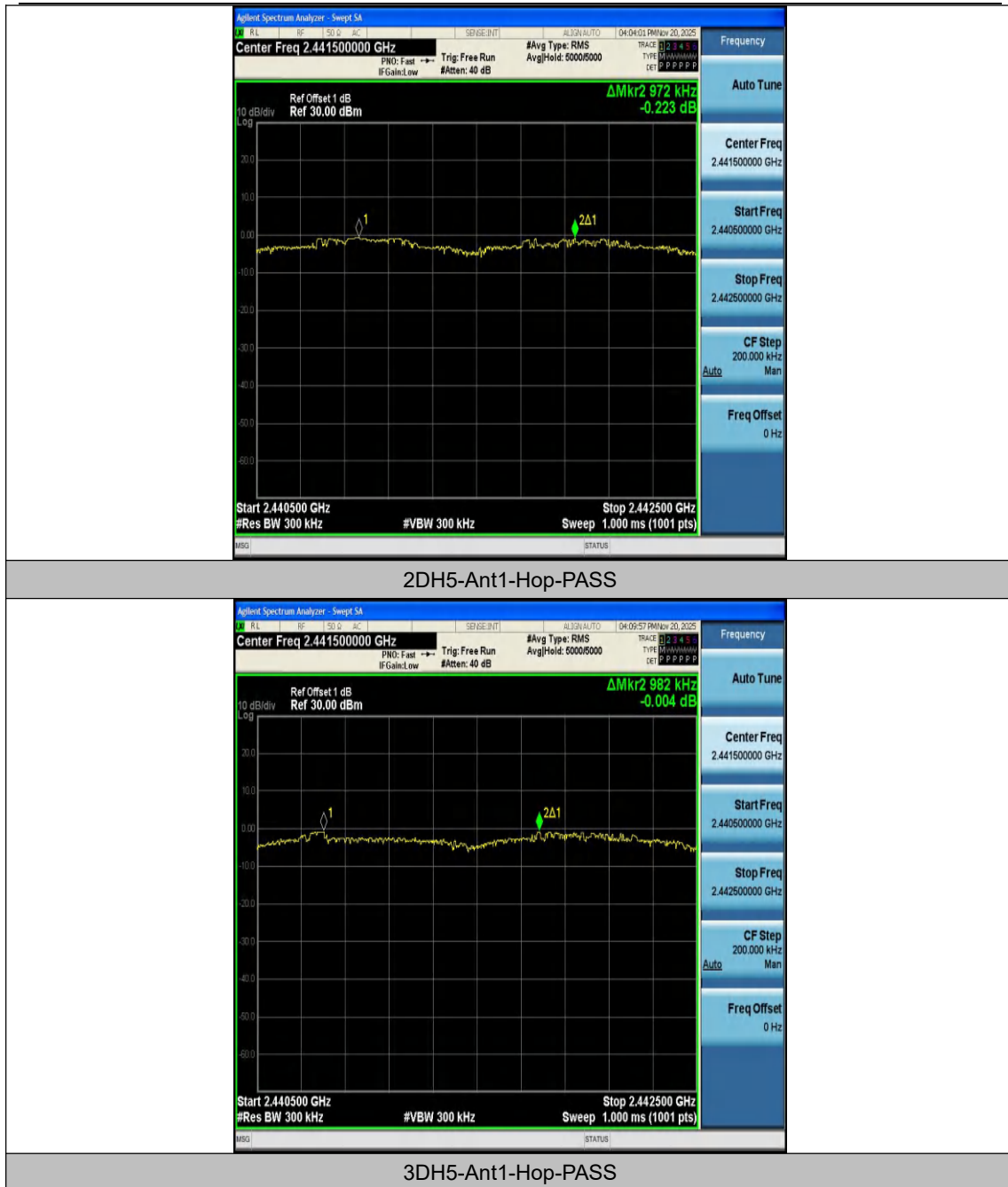
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥0.682	PASS
2DH5	Ant1	Hop	0.972	≥0.856	PASS
3DH5	Ant1	Hop	0.982	≥0.860	PASS

Test Graphs





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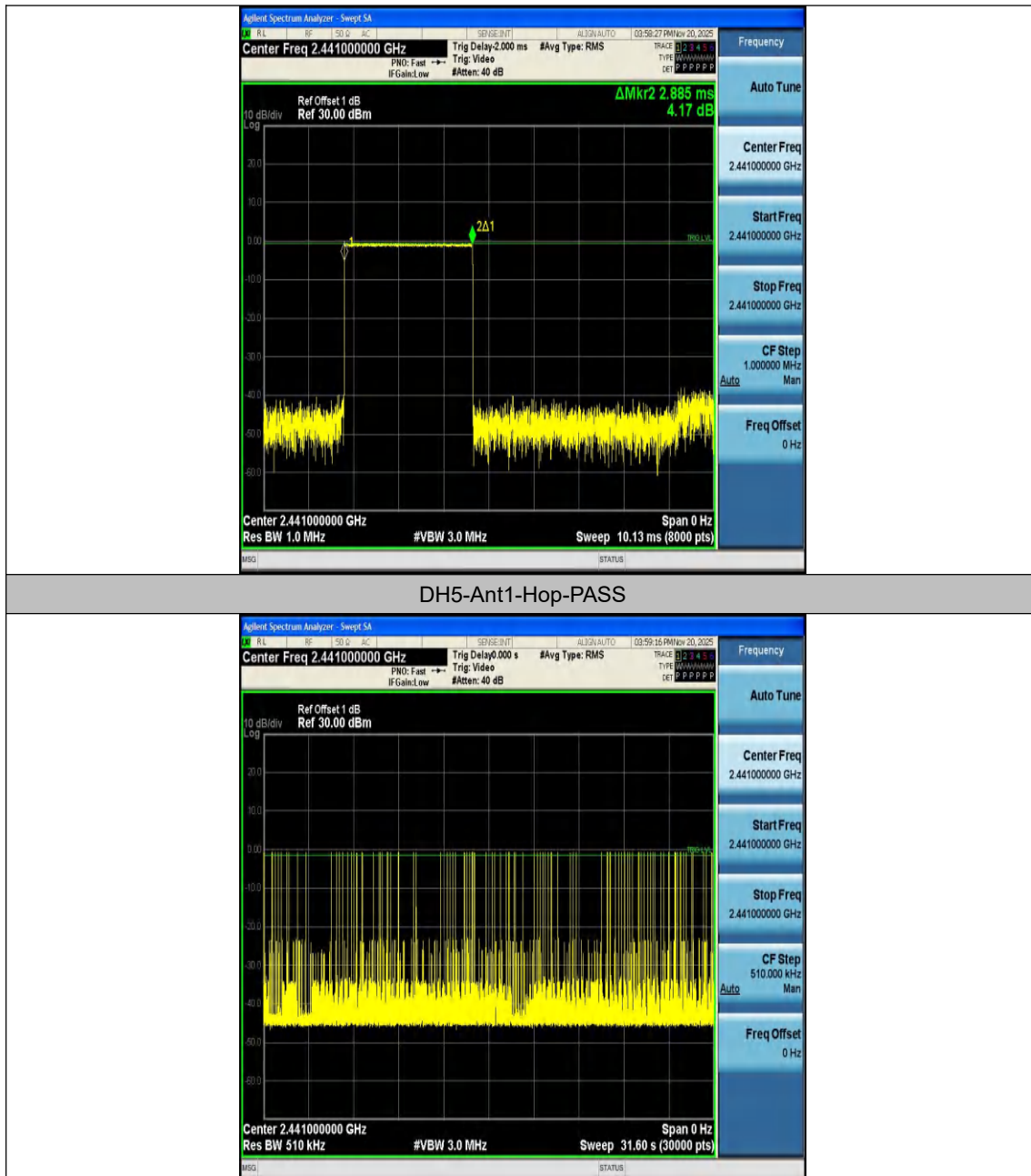
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS
2DH5	Ant1	Hop	2.892	116	0.335	≤0.4	PASS
3DH5	Ant1	Hop	2.893	103	0.298	≤0.4	PASS

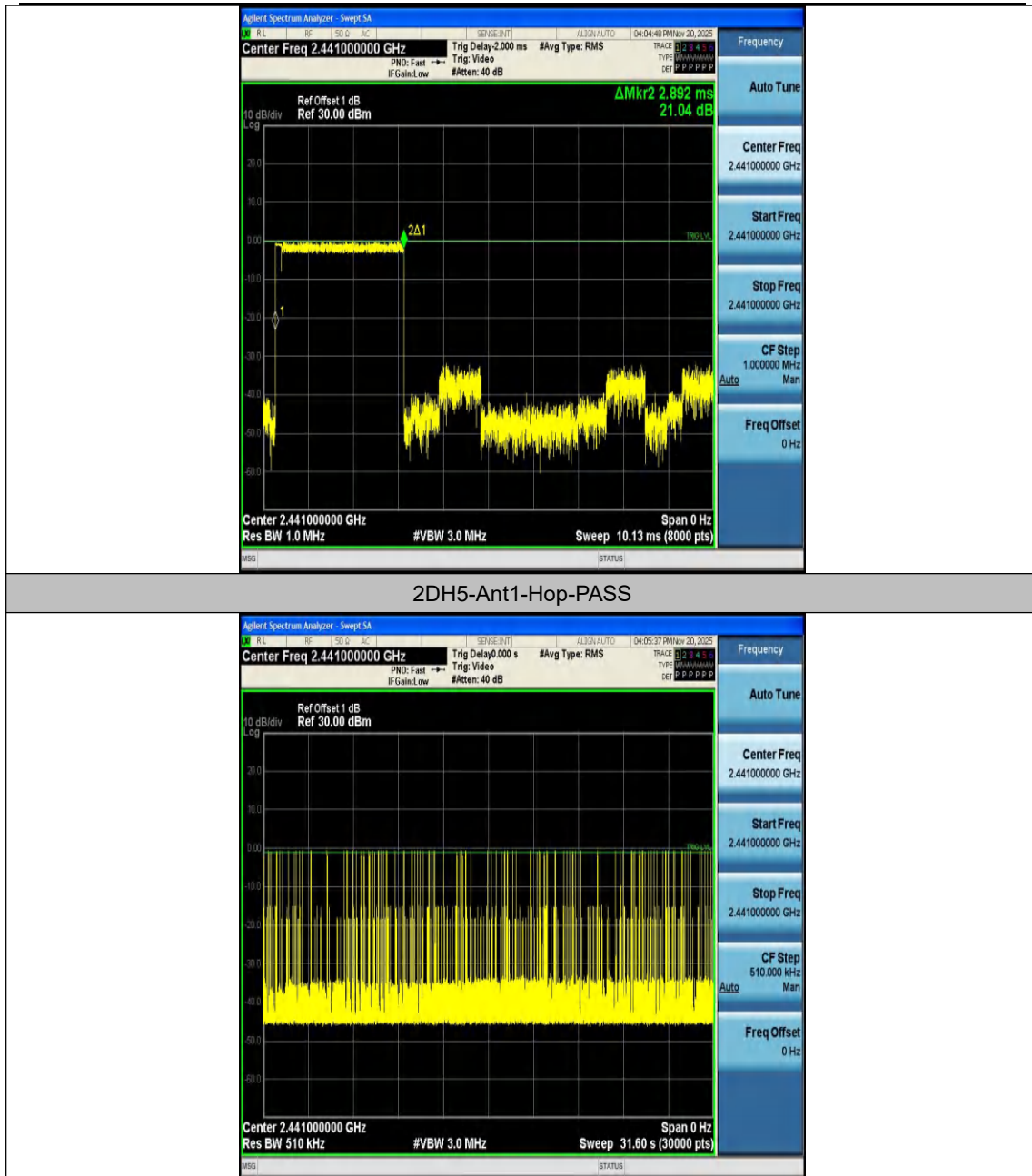
Test Graphs



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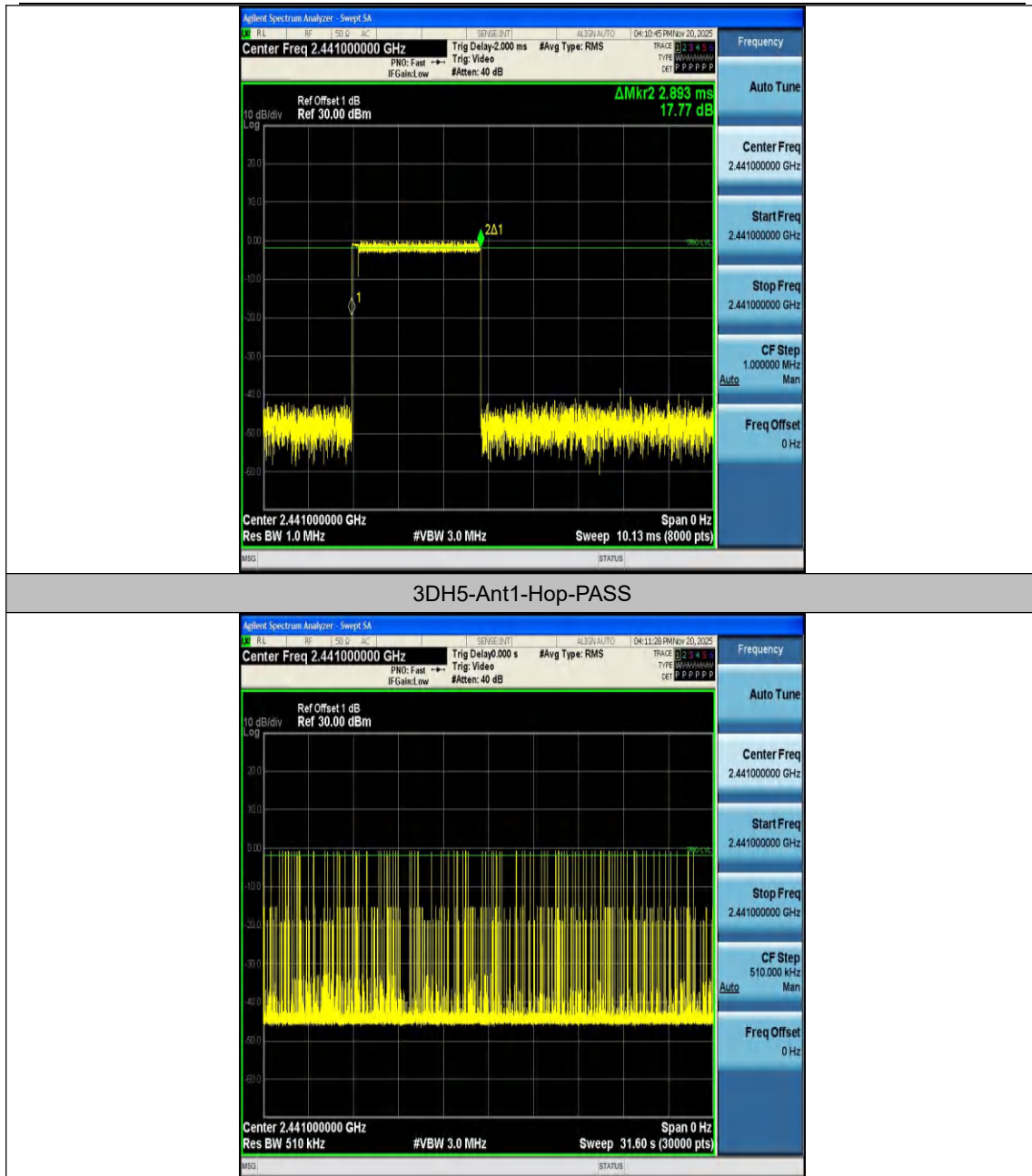
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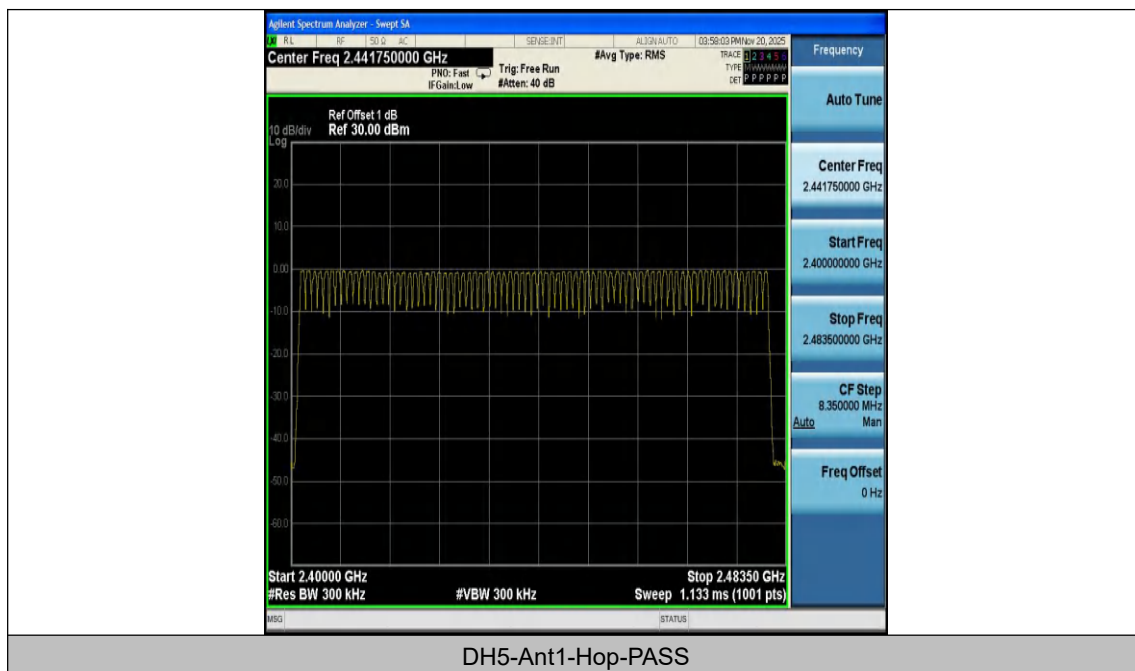
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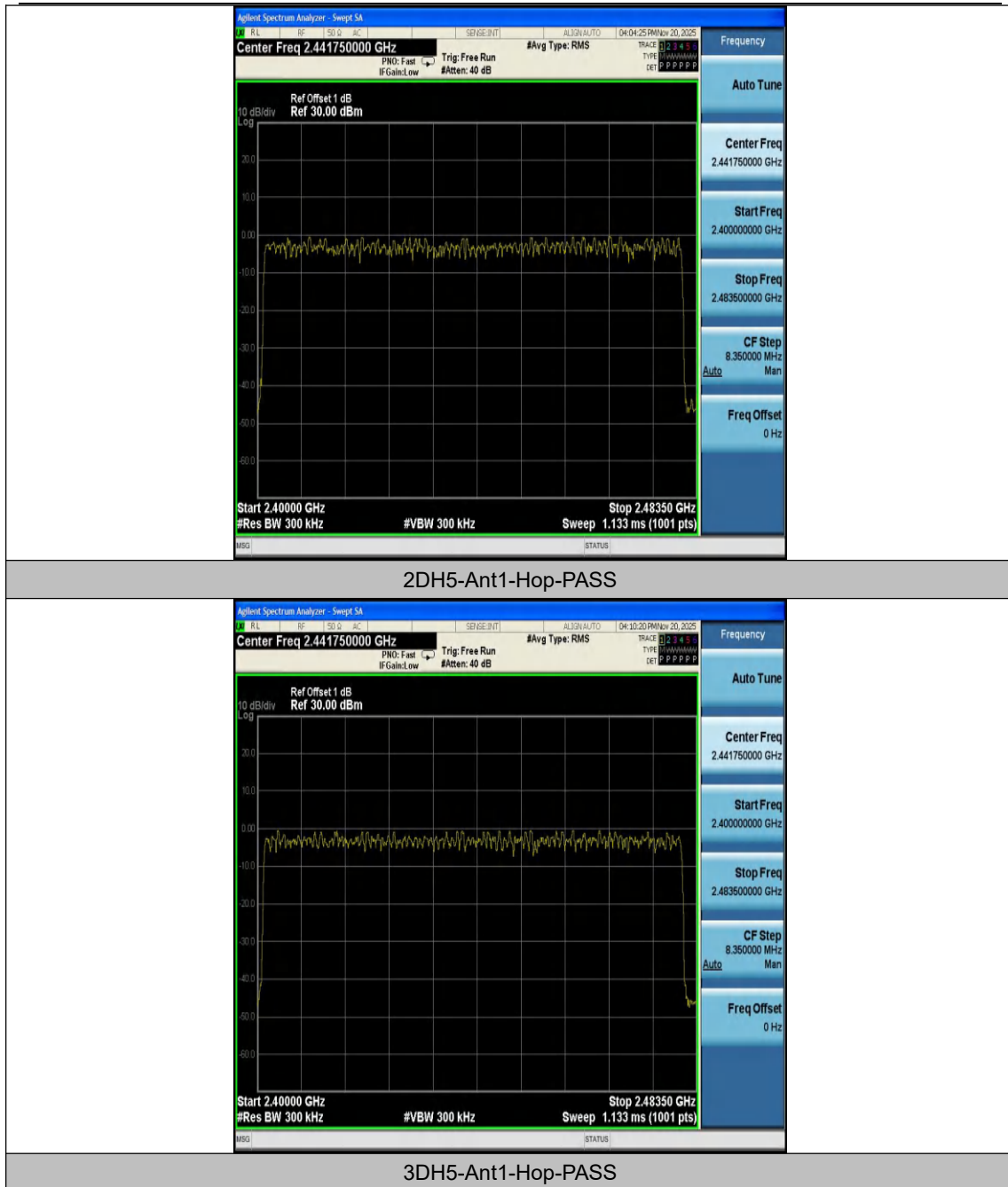
Appendix F: Number of Hopping Channel

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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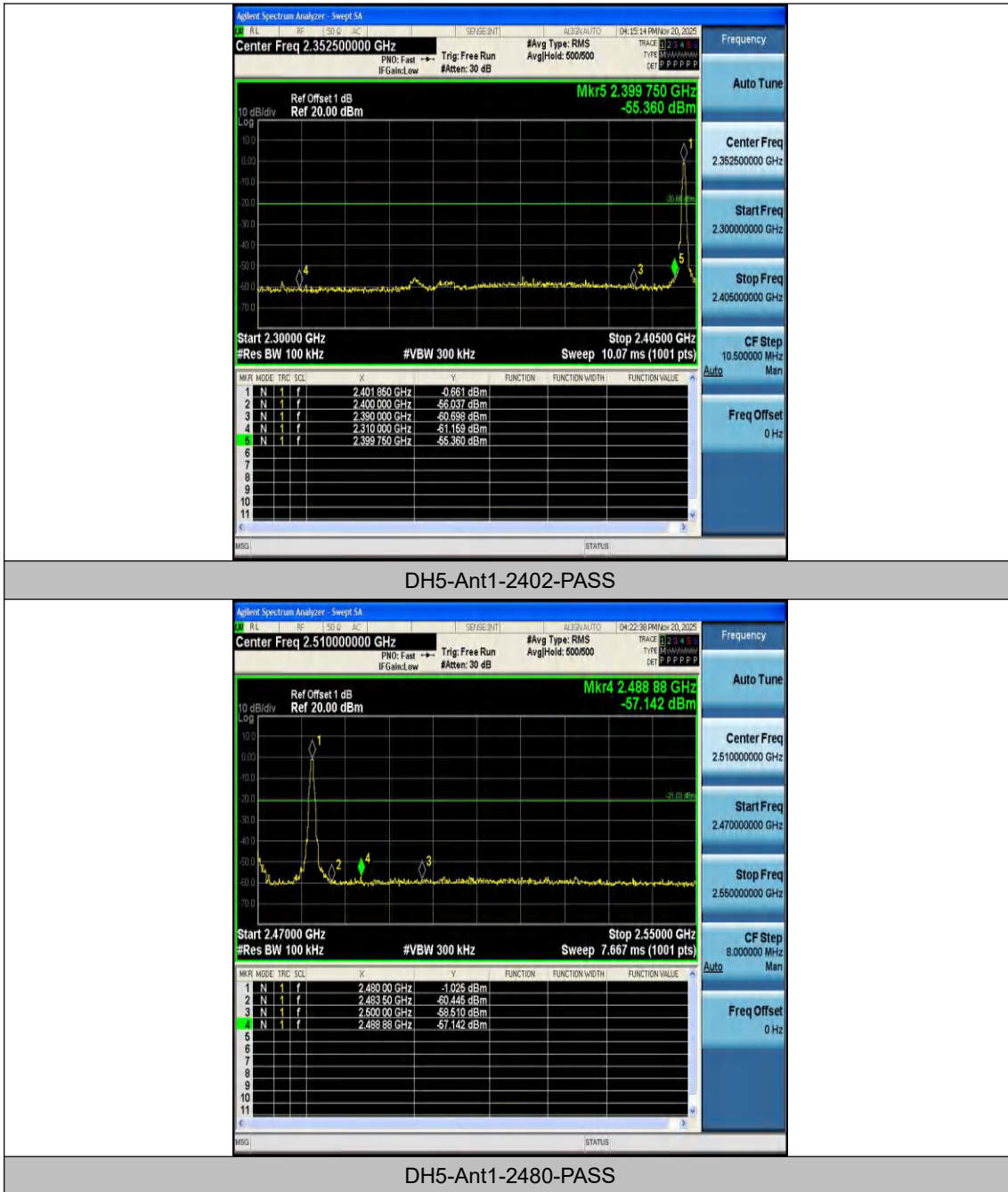
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.66	-55.36	≤-20.66	PASS
DH5	Ant1	High	2480	-1.03	-57.14	≤-21.03	PASS
DH5	Ant1	Low	Hop_2402	-0.63	-56	≤-20.63	PASS
DH5	Ant1	High	Hop_2480	-0.93	-54.07	≤-20.93	PASS
2DH5	Ant1	Low	2402	-0.70	-51.24	≤-20.7	PASS
2DH5	Ant1	High	2480	-0.89	-56.85	≤-20.89	PASS
2DH5	Ant1	Low	Hop_2402	-3.97	-57.11	≤-23.97	PASS
2DH5	Ant1	High	Hop_2480	-0.85	-48.03	≤-20.85	PASS
3DH5	Ant1	Low	2402	-0.86	-50.4	≤-20.86	PASS
3DH5	Ant1	High	2480	-0.92	-56.98	≤-20.92	PASS
3DH5	Ant1	Low	Hop_2402	-4.25	-56.63	≤-24.25	PASS
3DH5	Ant1	High	Hop_2480	-4.23	-57	≤-24.23	PASS

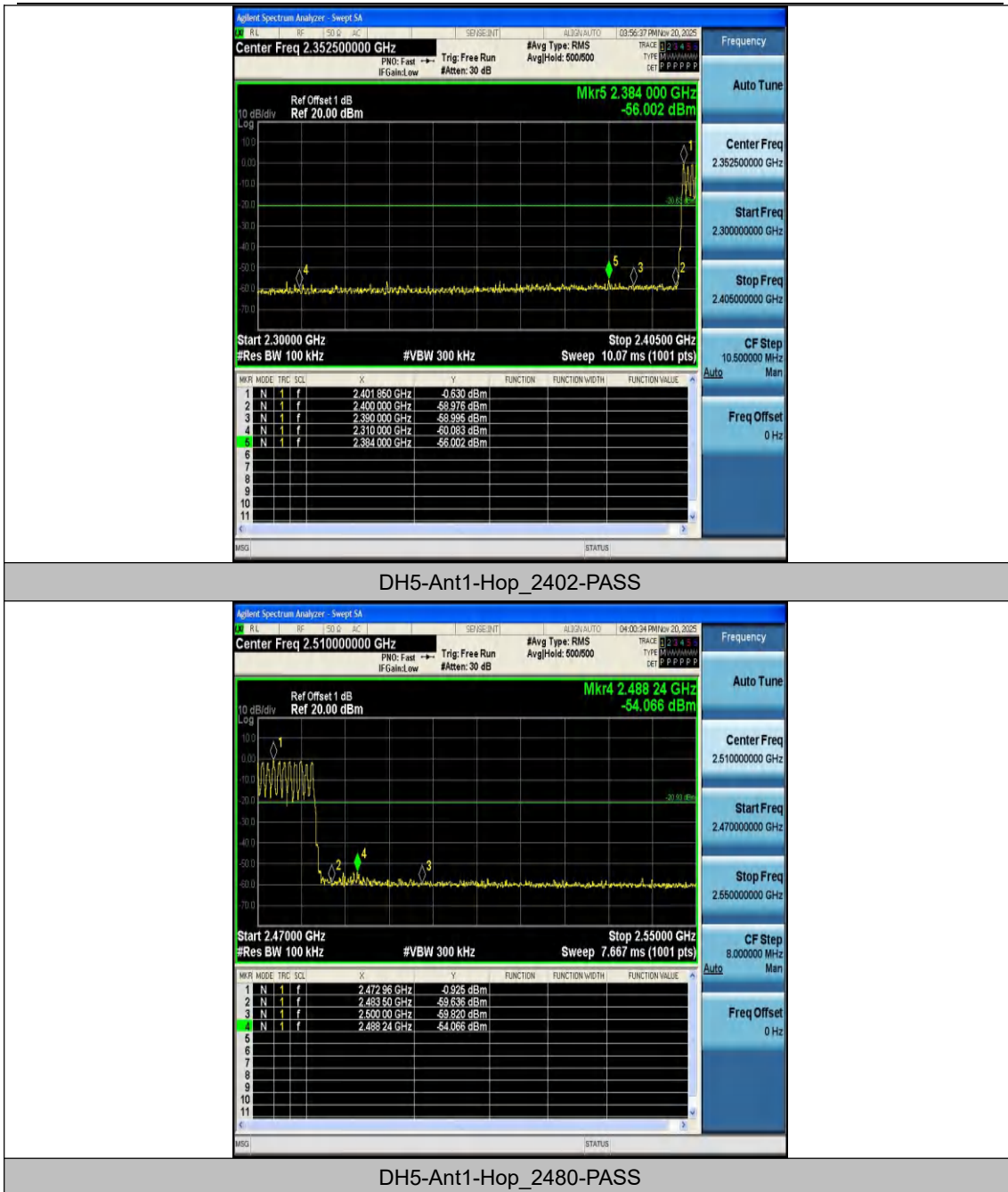
Test Graphs

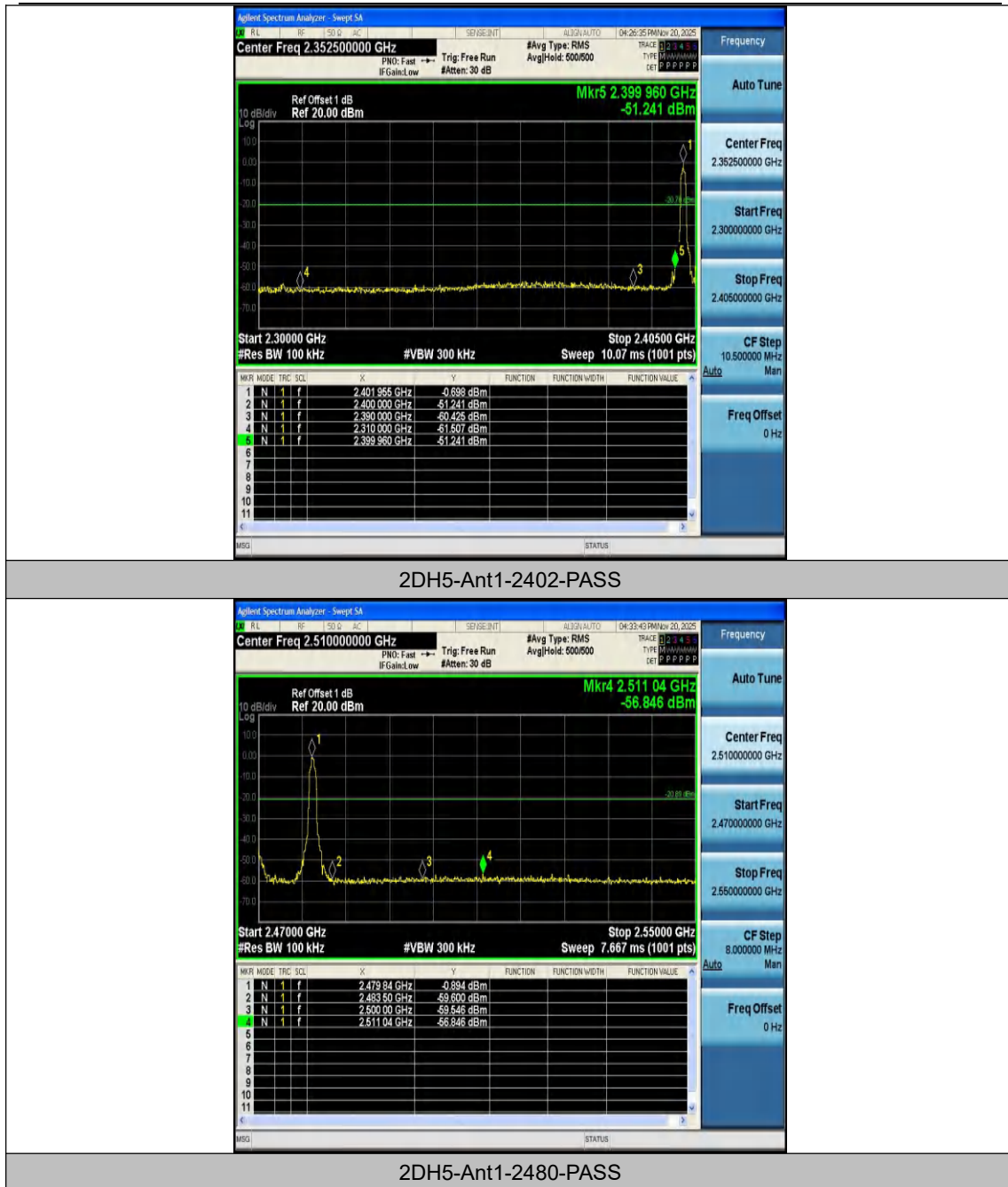


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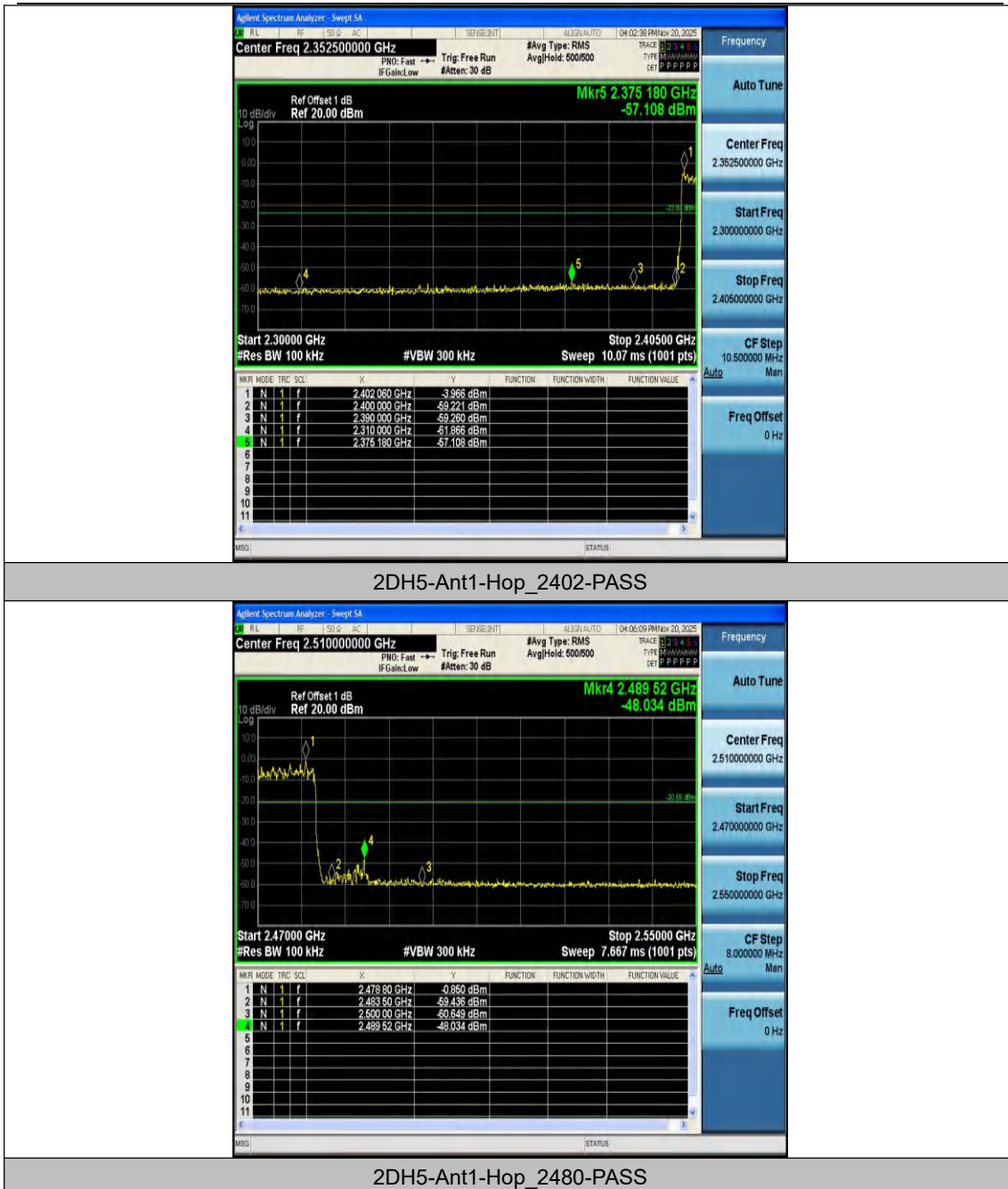


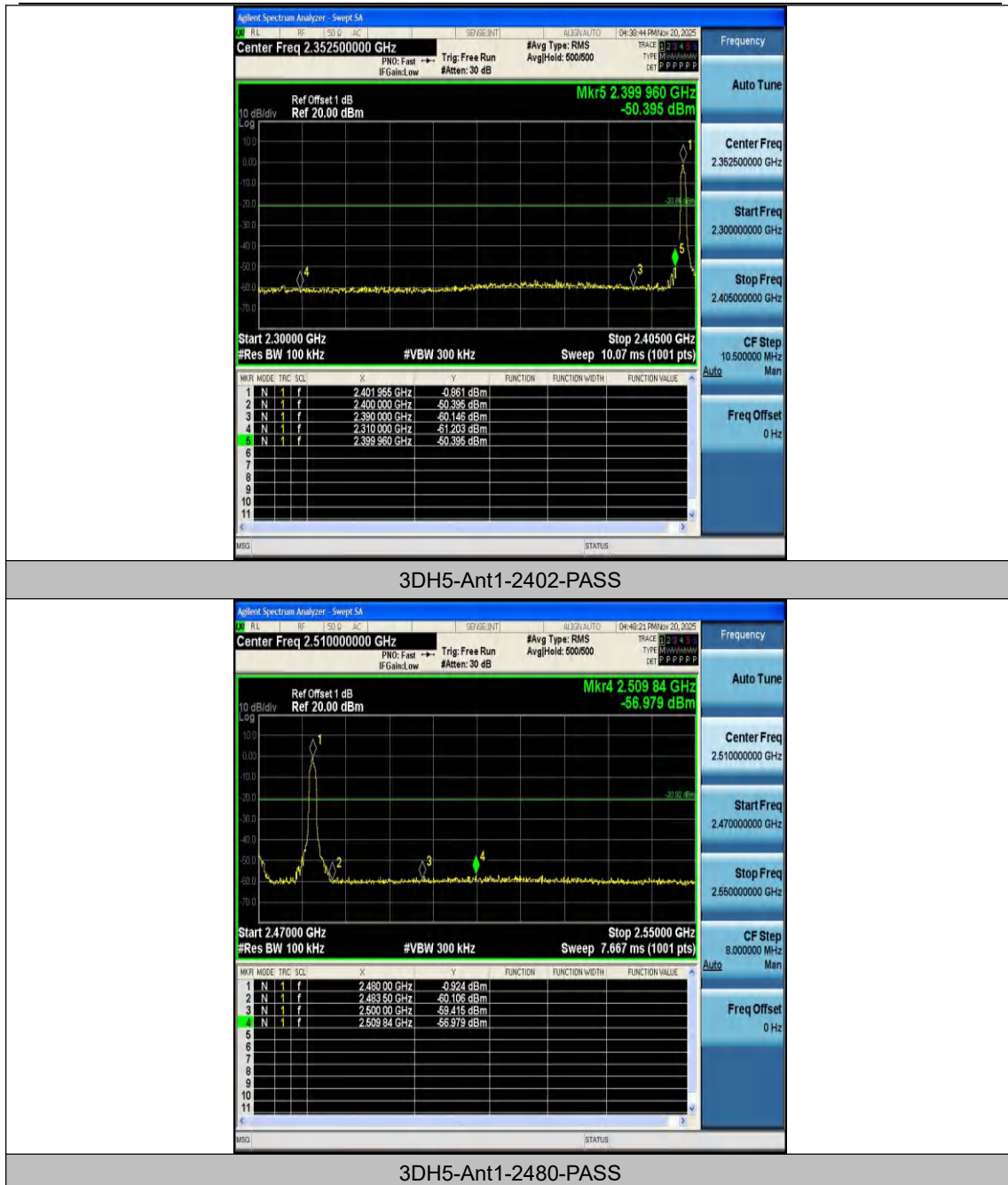


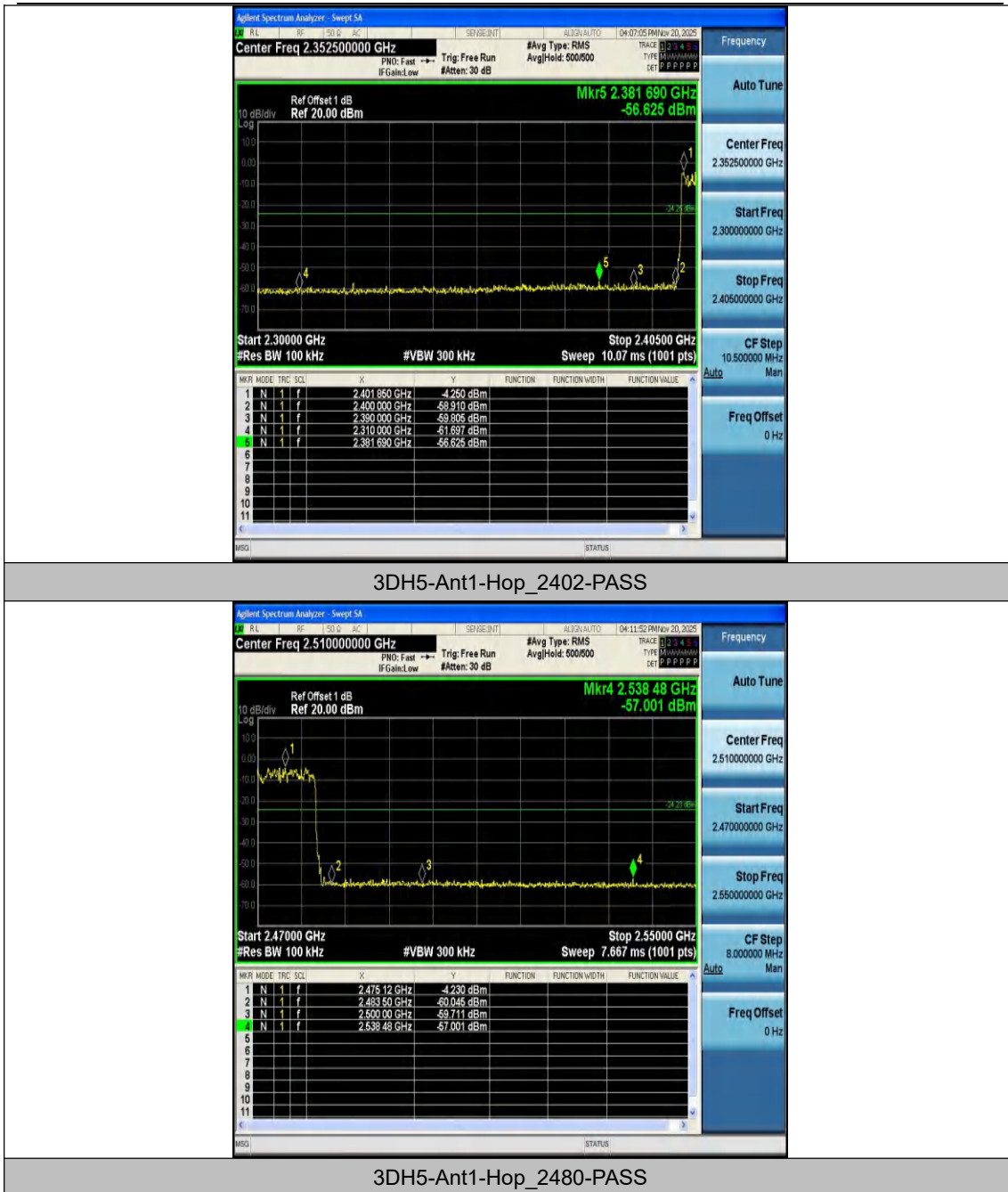
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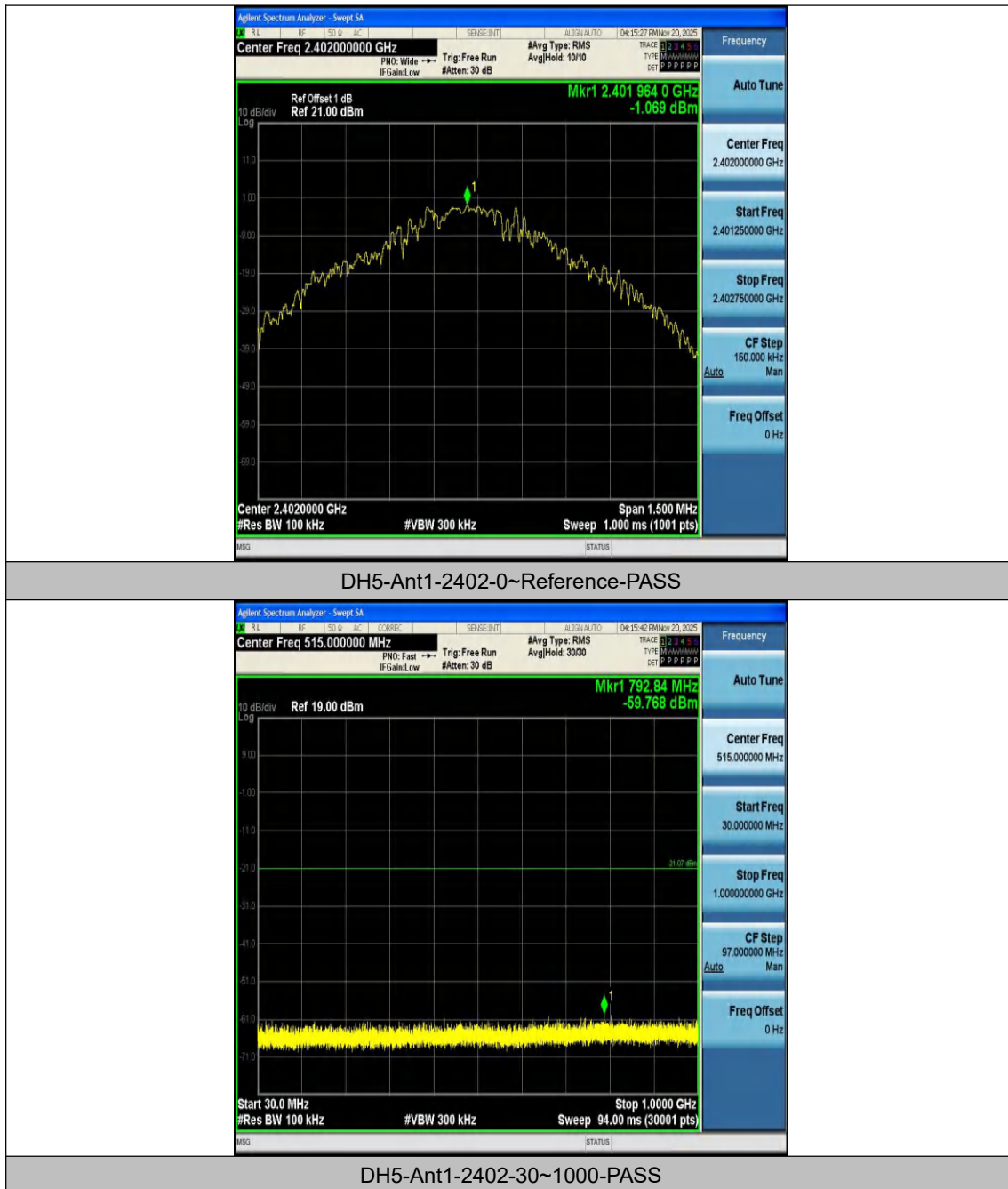
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.07	-1.07	---	PASS
DH5	Ant1	2402	30~1000	-1.07	-59.77	≤-21.07	PASS
DH5	Ant1	2402	1000~26500	-1.07	-45.96	≤-21.07	PASS
DH5	Ant1	2441	0~Reference	-1.51	-1.51	---	PASS
DH5	Ant1	2441	30~1000	-1.51	-60.22	≤-21.51	PASS
DH5	Ant1	2441	1000~26500	-1.51	-45.9	≤-21.51	PASS
DH5	Ant1	2480	0~Reference	-1.44	-1.44	---	PASS
DH5	Ant1	2480	30~1000	-1.44	-60.18	≤-21.44	PASS
DH5	Ant1	2480	1000~26500	-1.44	-45.57	≤-21.44	PASS
2DH5	Ant1	2402	0~Reference	-4.88	-4.88	---	PASS
2DH5	Ant1	2402	30~1000	-4.88	-60.25	≤-24.88	PASS
2DH5	Ant1	2402	1000~26500	-4.88	-45.94	≤-24.88	PASS
2DH5	Ant1	2441	0~Reference	-1.92	-1.92	---	PASS
2DH5	Ant1	2441	30~1000	-1.92	-59.77	≤-21.92	PASS
2DH5	Ant1	2441	1000~26500	-1.92	-45.1	≤-21.92	PASS
2DH5	Ant1	2480	0~Reference	-2.06	-2.06	---	PASS
2DH5	Ant1	2480	30~1000	-2.06	-59.71	≤-22.06	PASS
2DH5	Ant1	2480	1000~26500	-2.06	-45.85	≤-22.06	PASS
3DH5	Ant1	2402	0~Reference	-3.56	-3.56	---	PASS
3DH5	Ant1	2402	30~1000	-3.56	-59.75	≤-23.56	PASS
3DH5	Ant1	2402	1000~26500	-3.56	-45.49	≤-23.56	PASS
3DH5	Ant1	2441	0~Reference	-2.56	-2.56	---	PASS
3DH5	Ant1	2441	30~1000	-2.56	-59.56	≤-22.56	PASS
3DH5	Ant1	2441	1000~26500	-2.56	-46.22	≤-22.56	PASS
3DH5	Ant1	2480	0~Reference	-1.64	-1.64	---	PASS
3DH5	Ant1	2480	30~1000	-1.64	-59.75	≤-21.64	PASS
3DH5	Ant1	2480	1000~26500	-1.64	-45.1	≤-21.64	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.

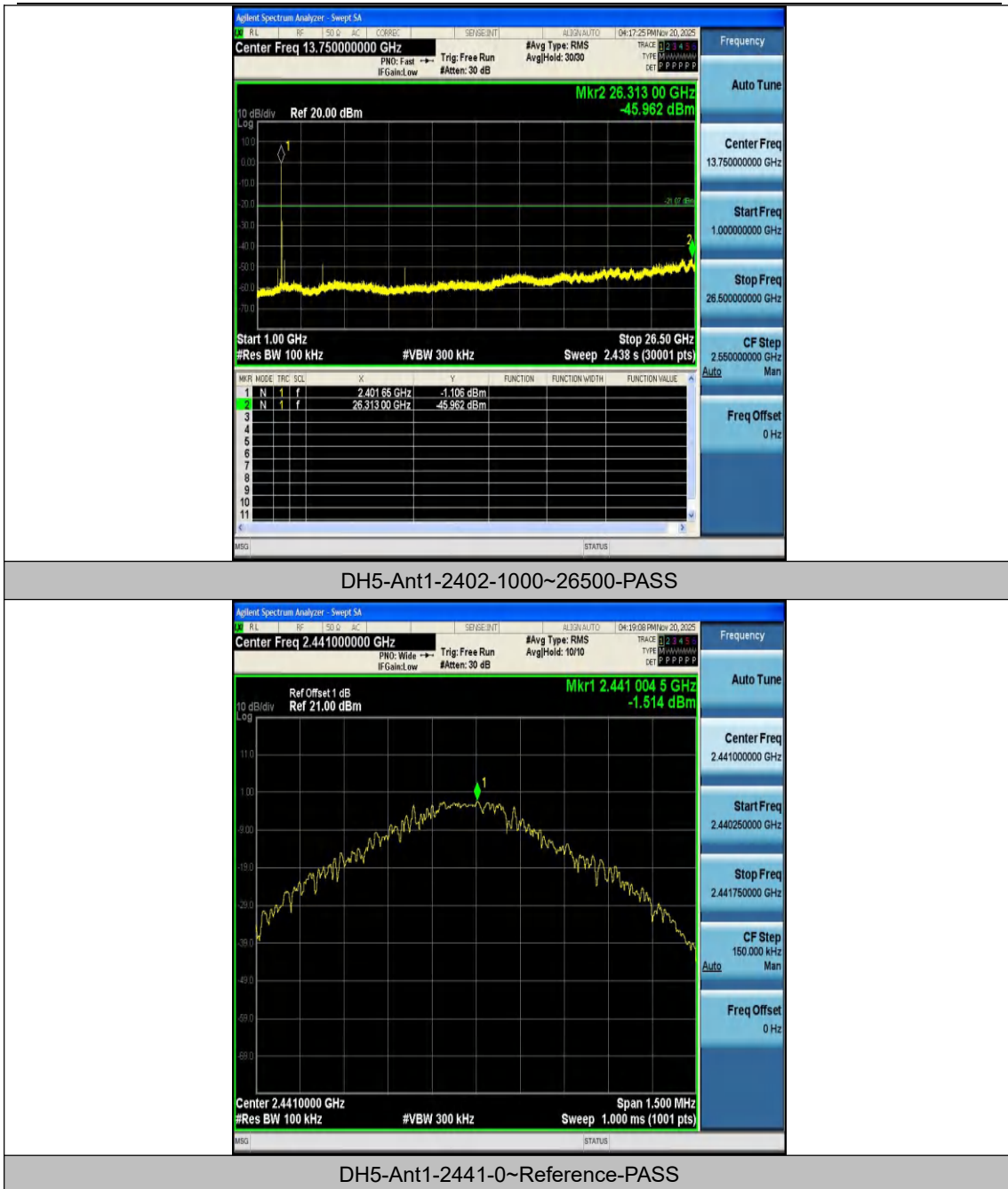
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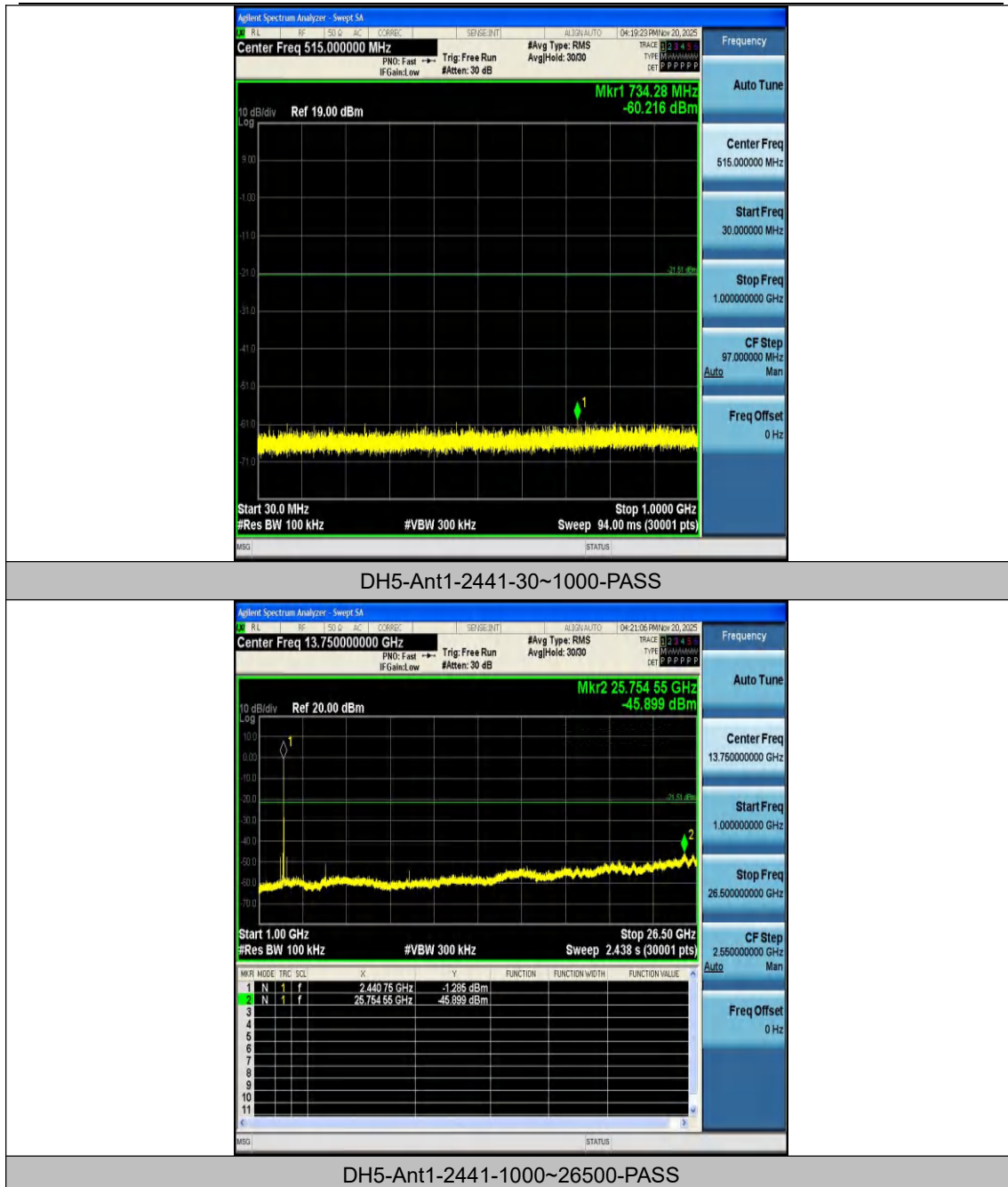
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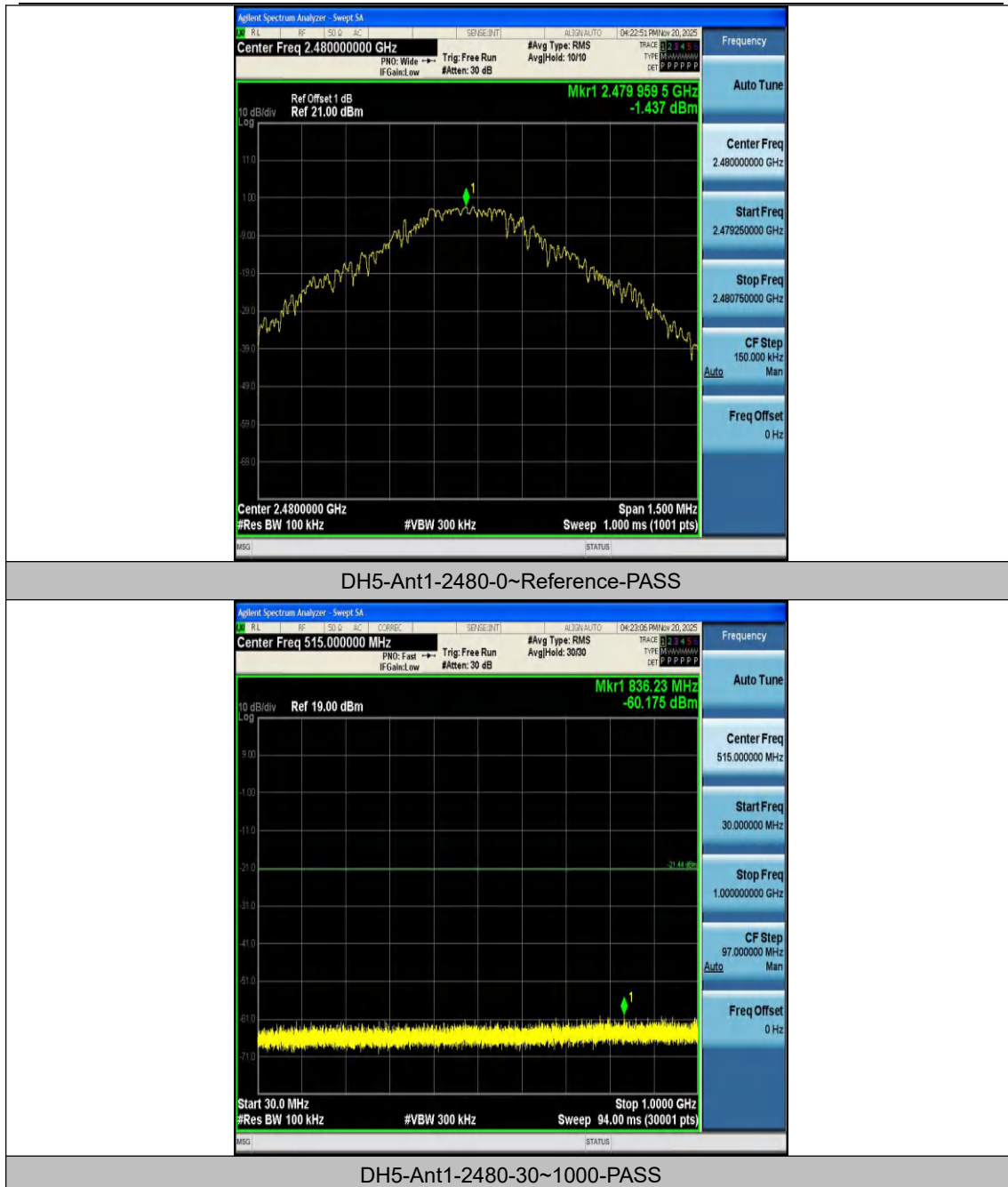
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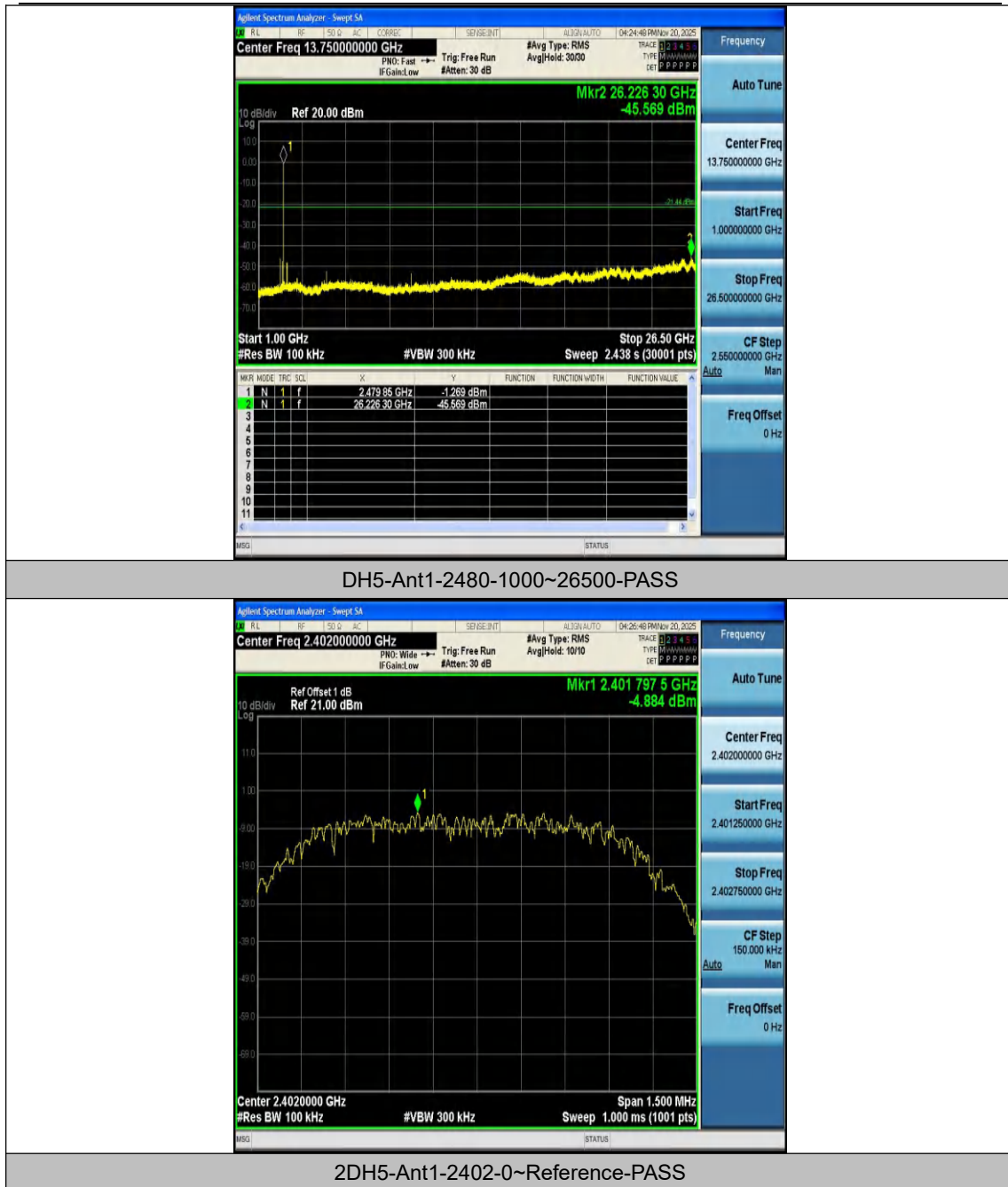
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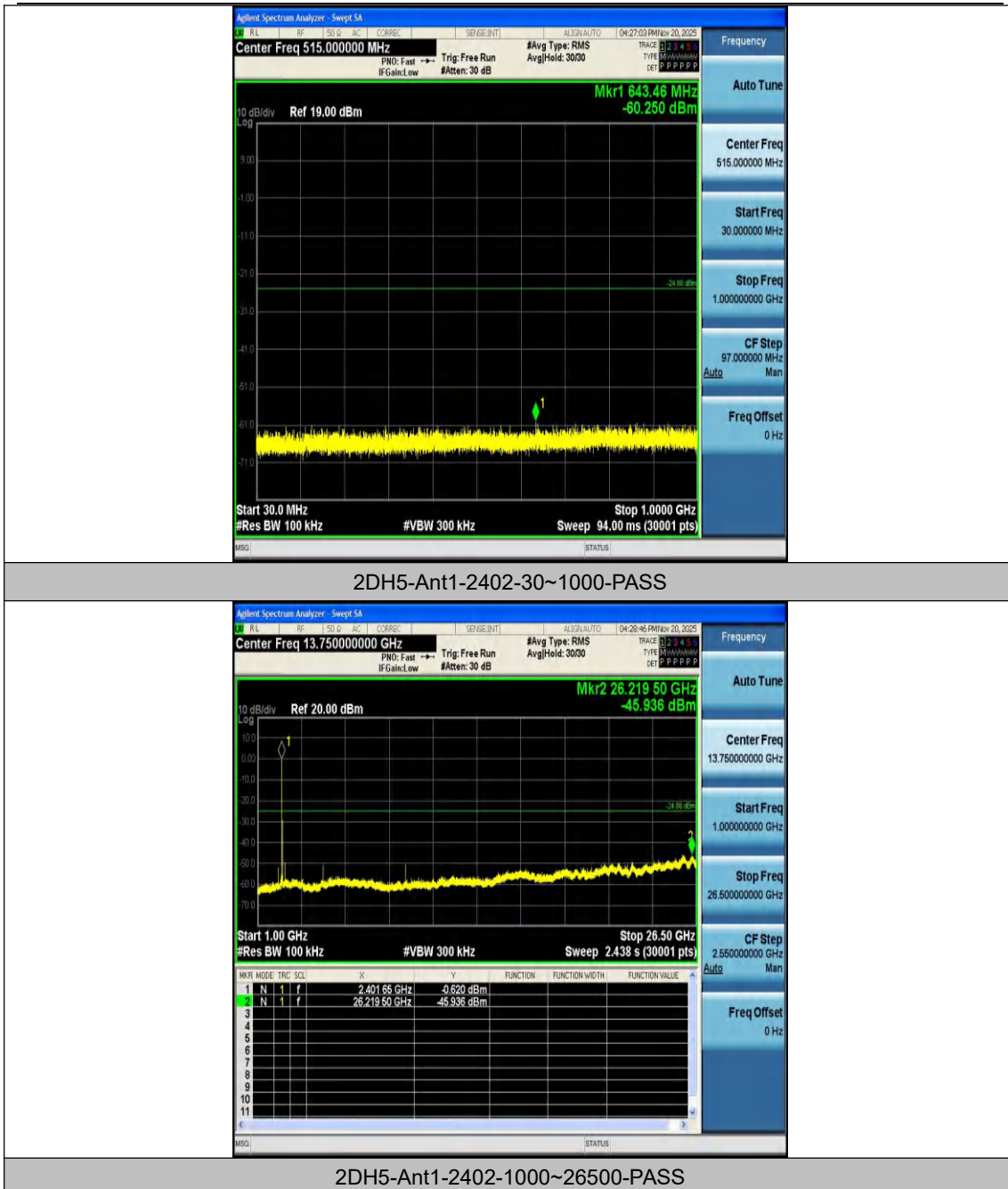
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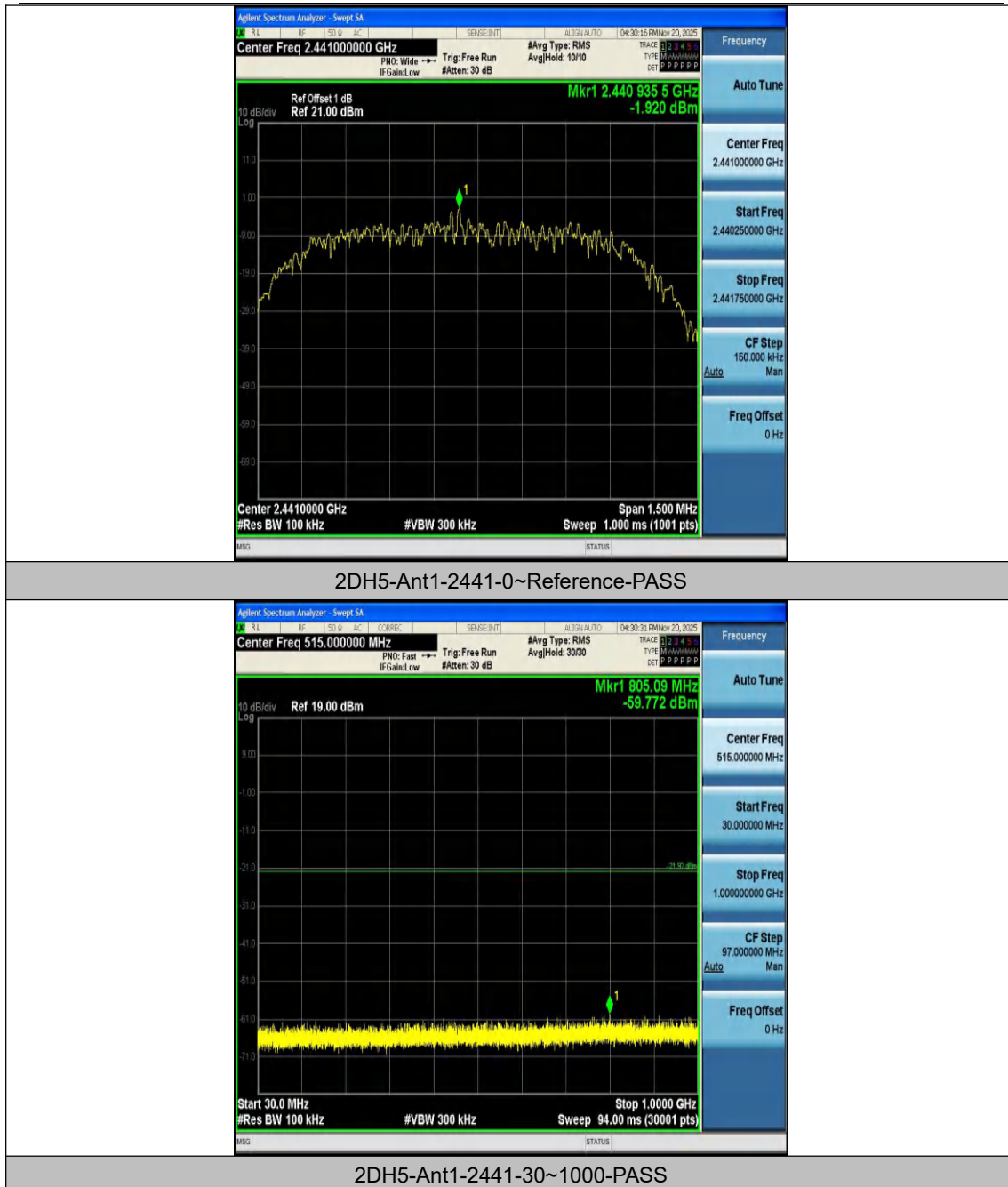


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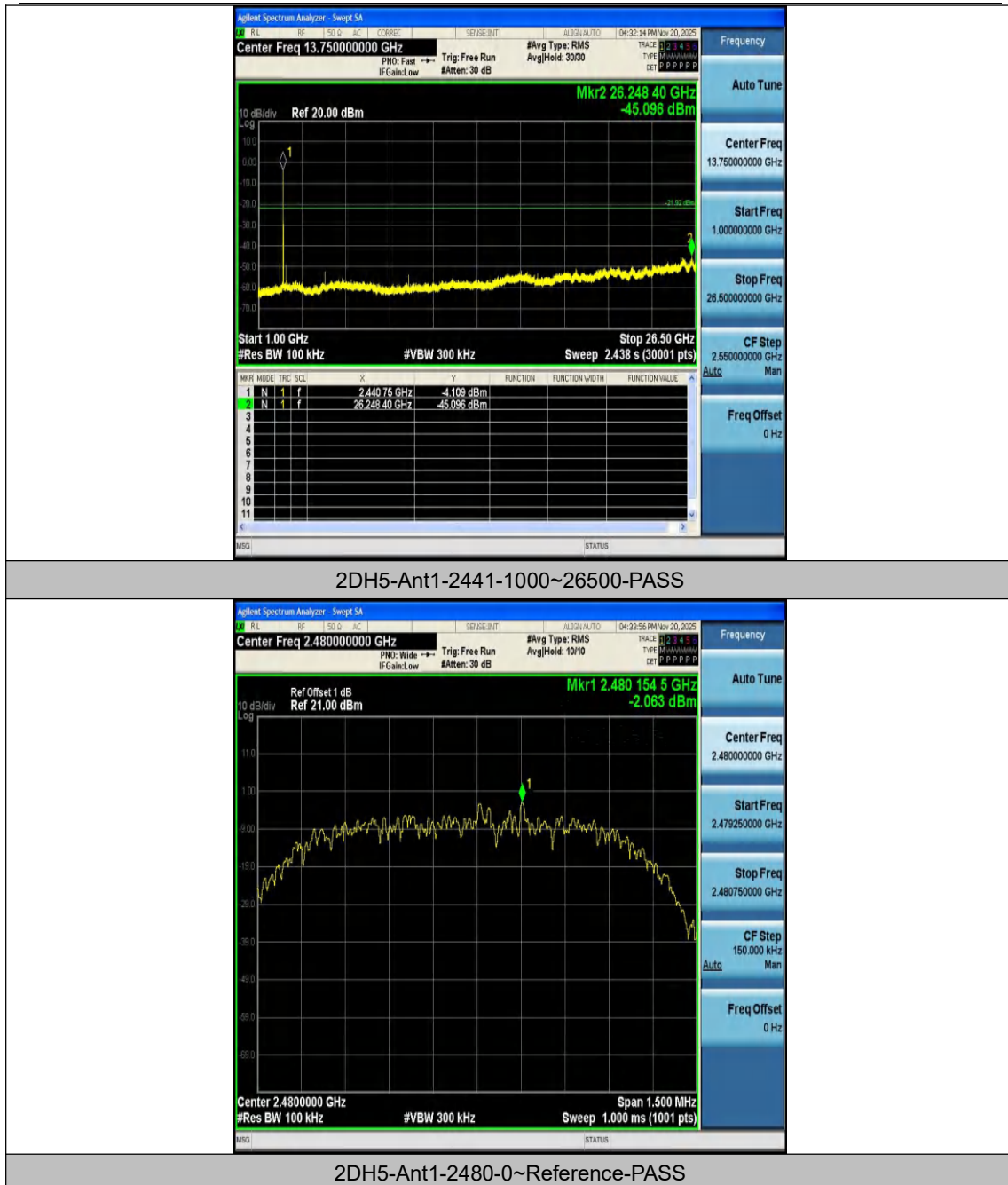


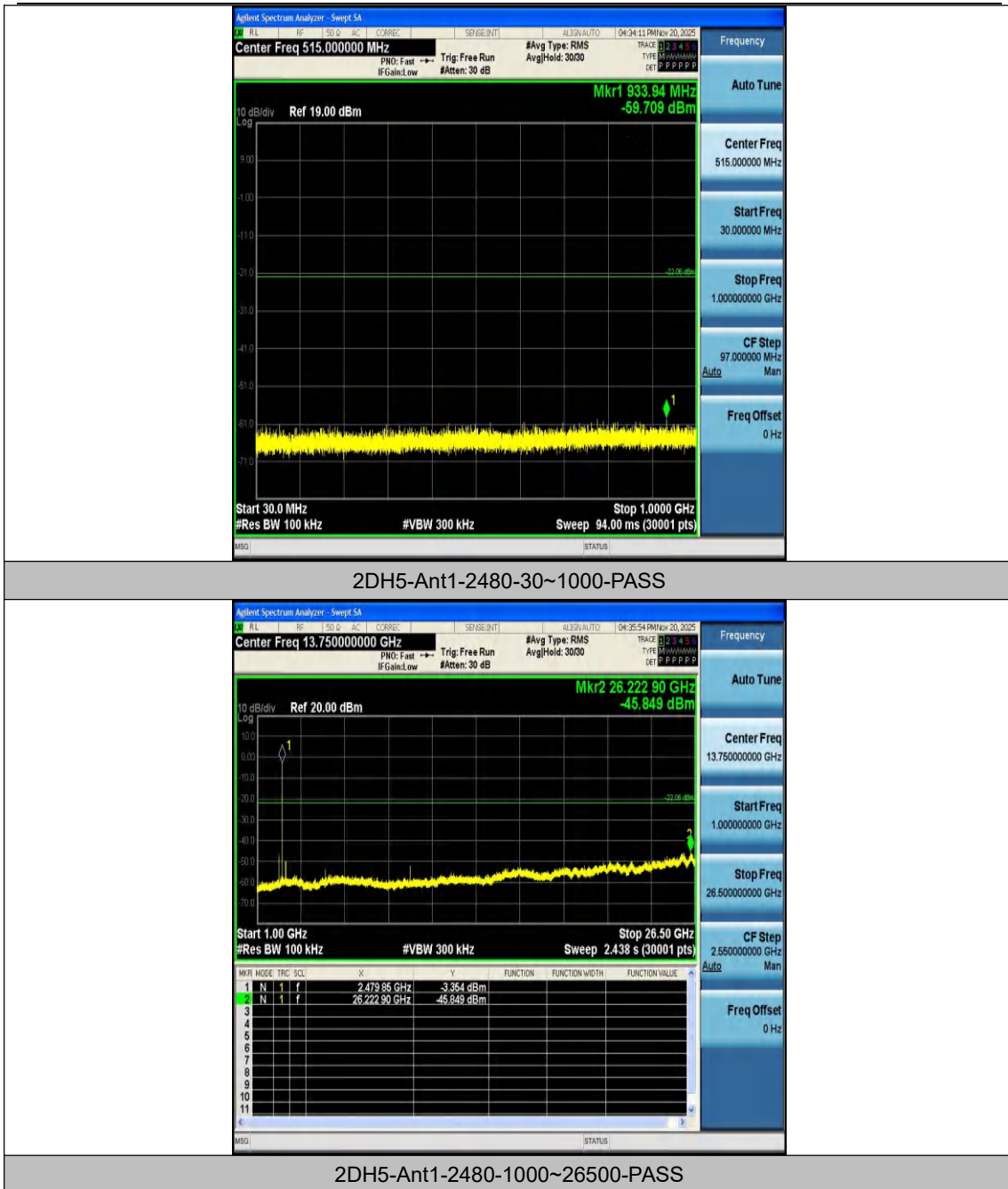


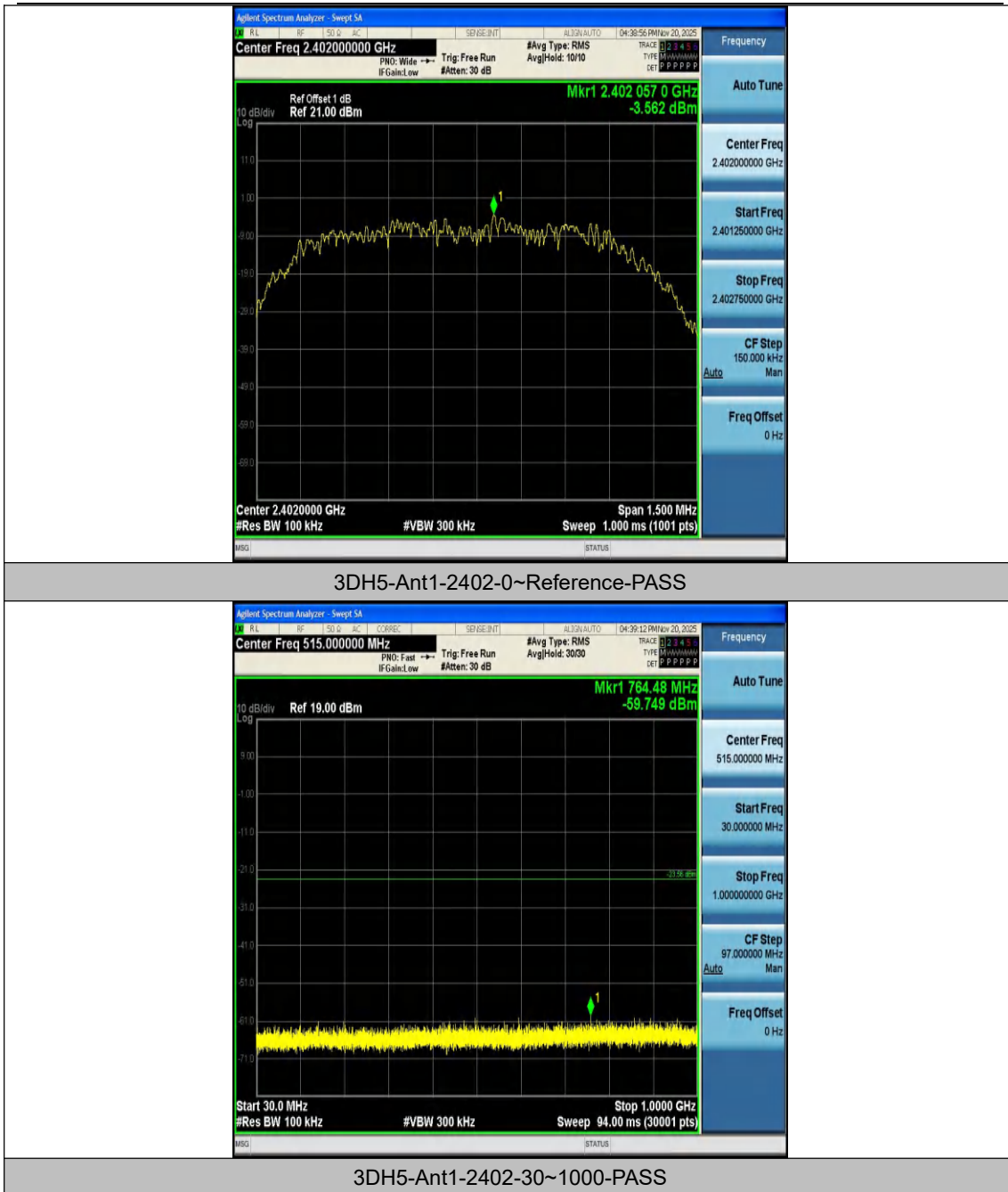
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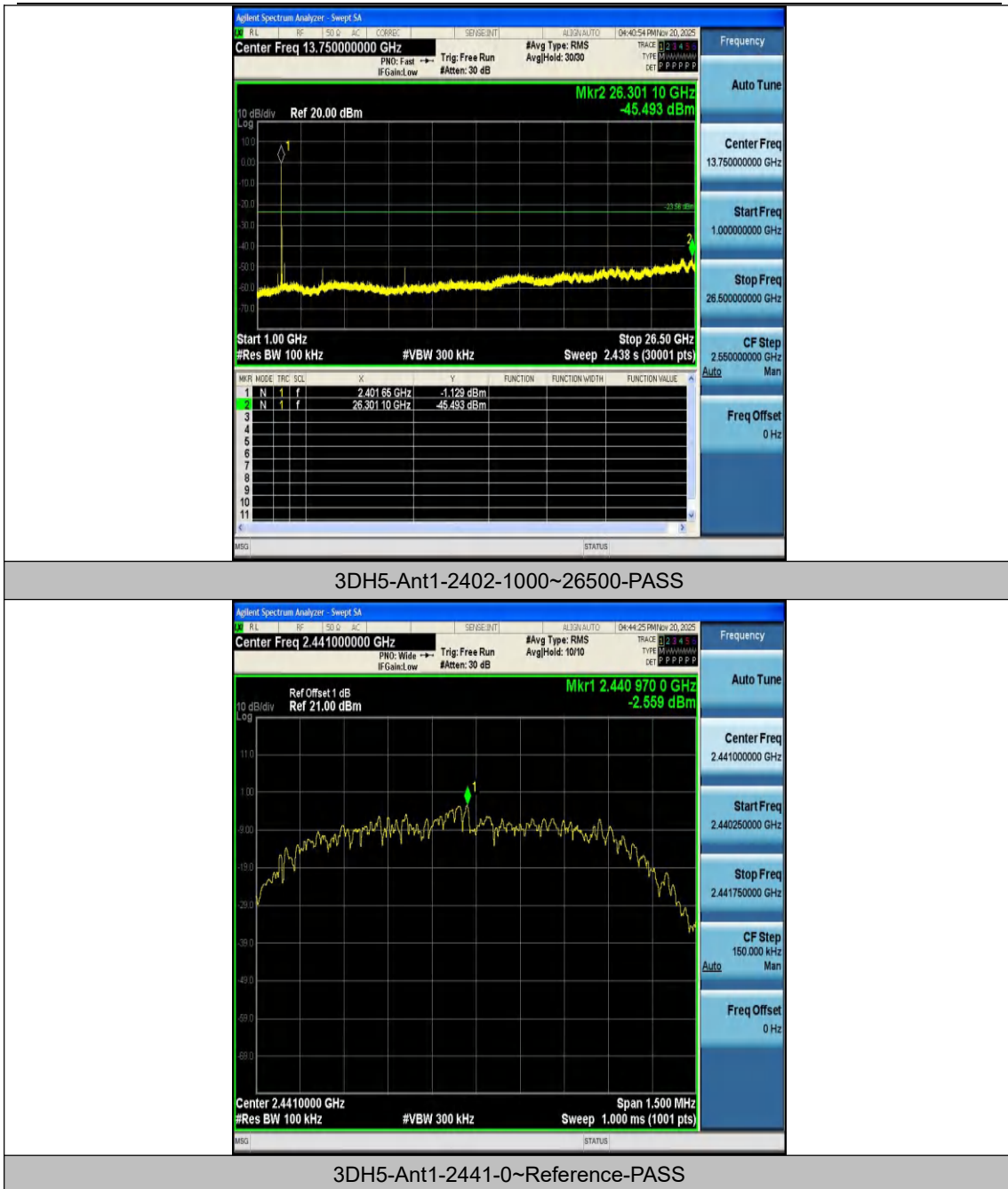




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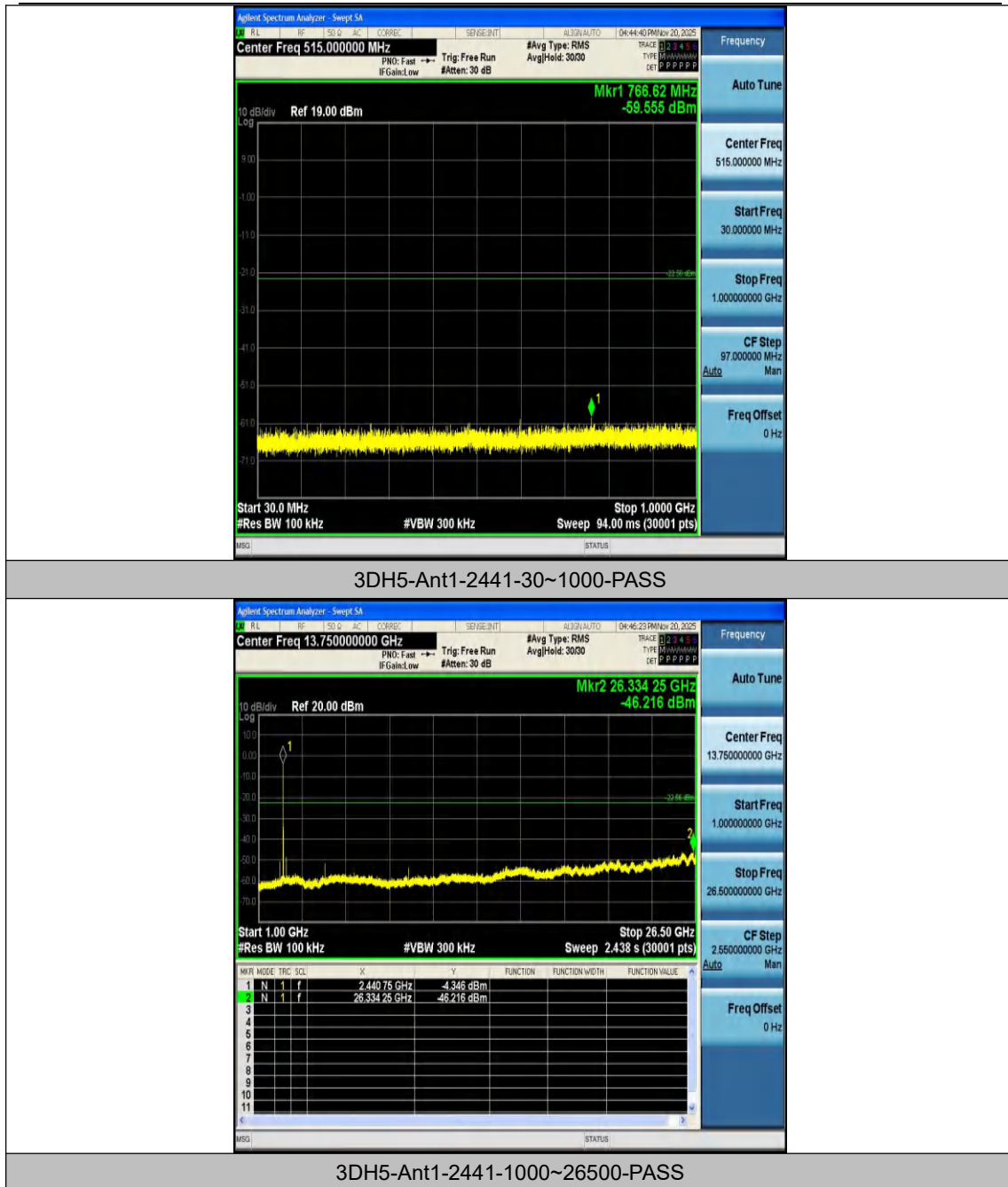
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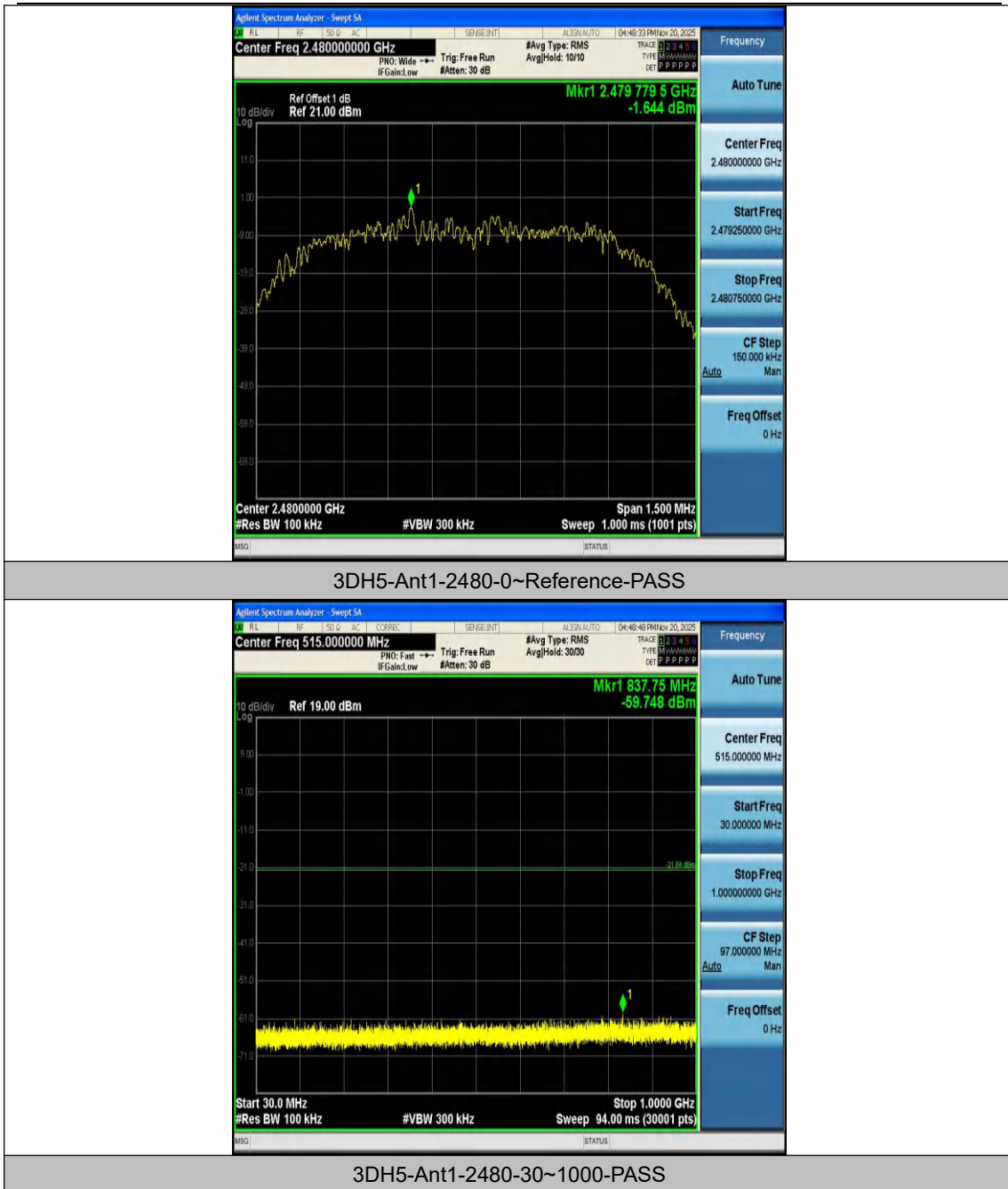
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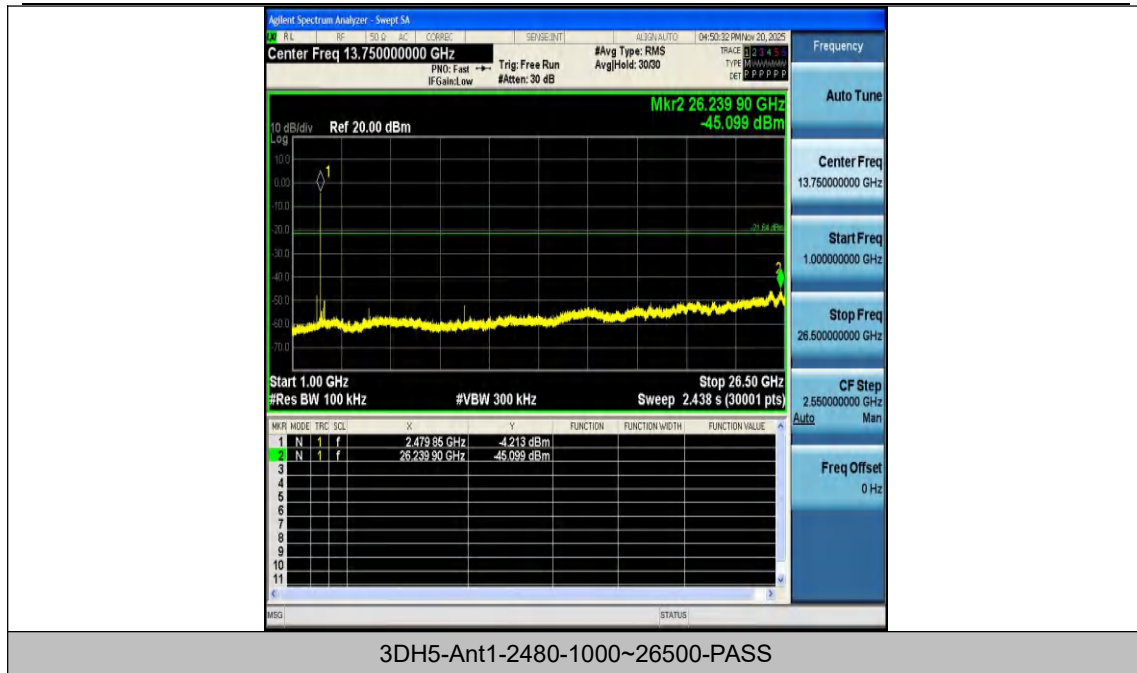
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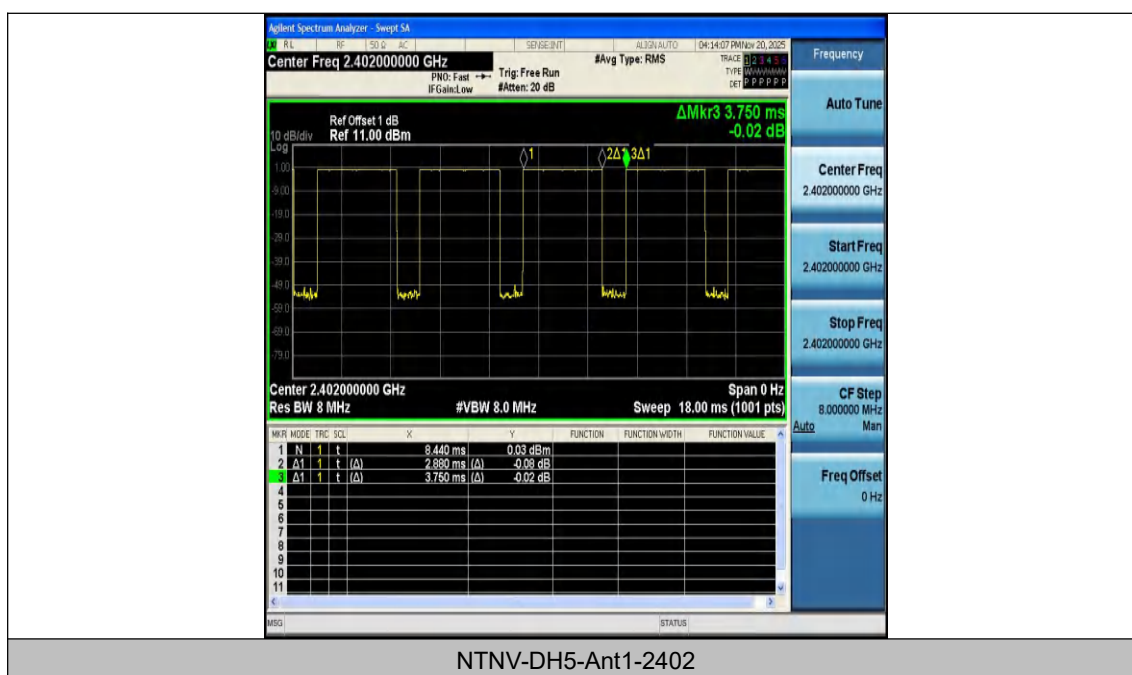
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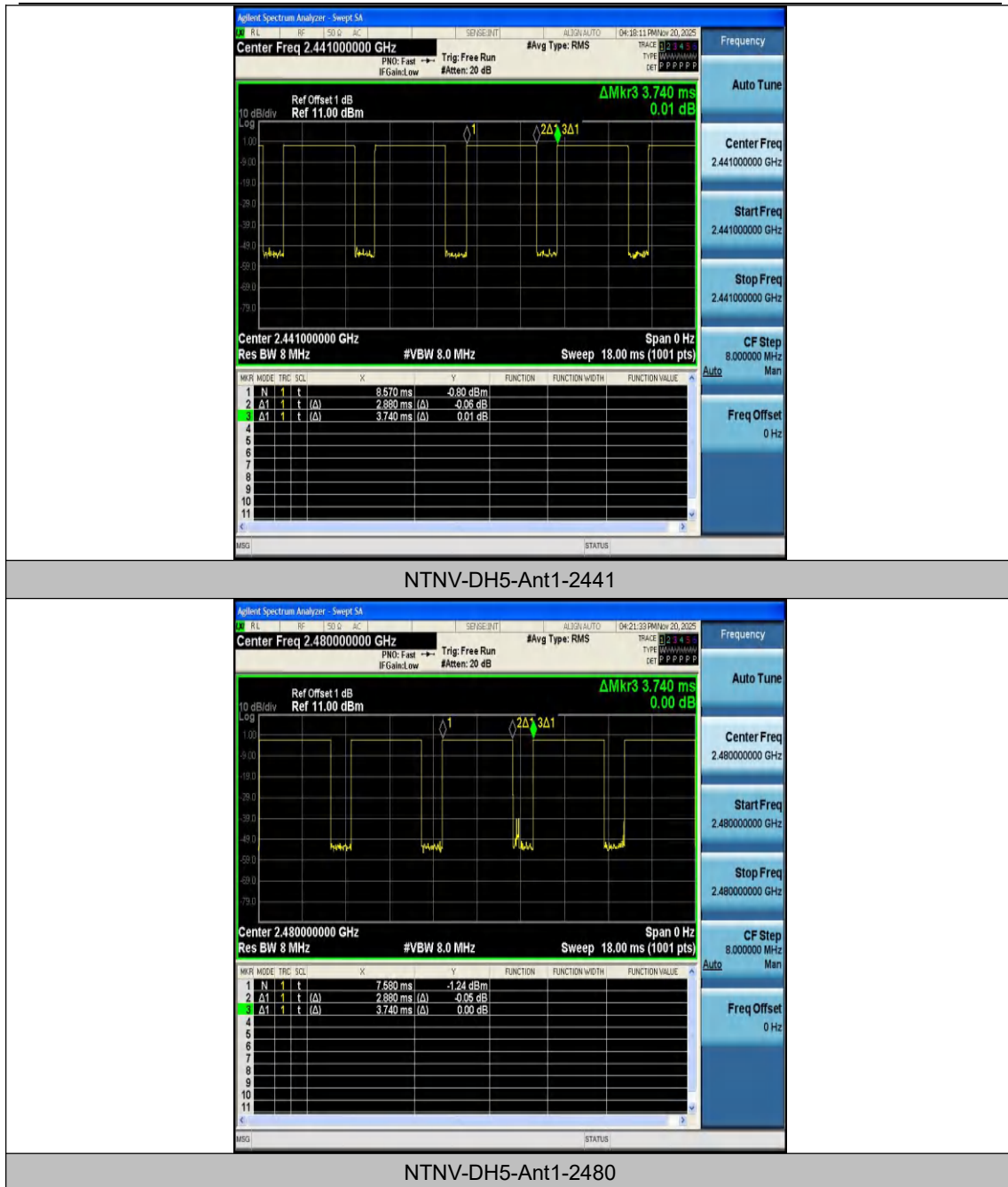
Appendix I: Duty Cycle

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	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.74	77.01	1.13
2DH5	Ant1	2480	2.90	3.76	77.13	1.13
3DH5	Ant1	2402	2.90	3.74	77.54	1.10
3DH5	Ant1	2441	2.89	3.76	76.86	1.14
3DH5	Ant1	2480	2.90	3.76	77.13	1.13

Test Graphs

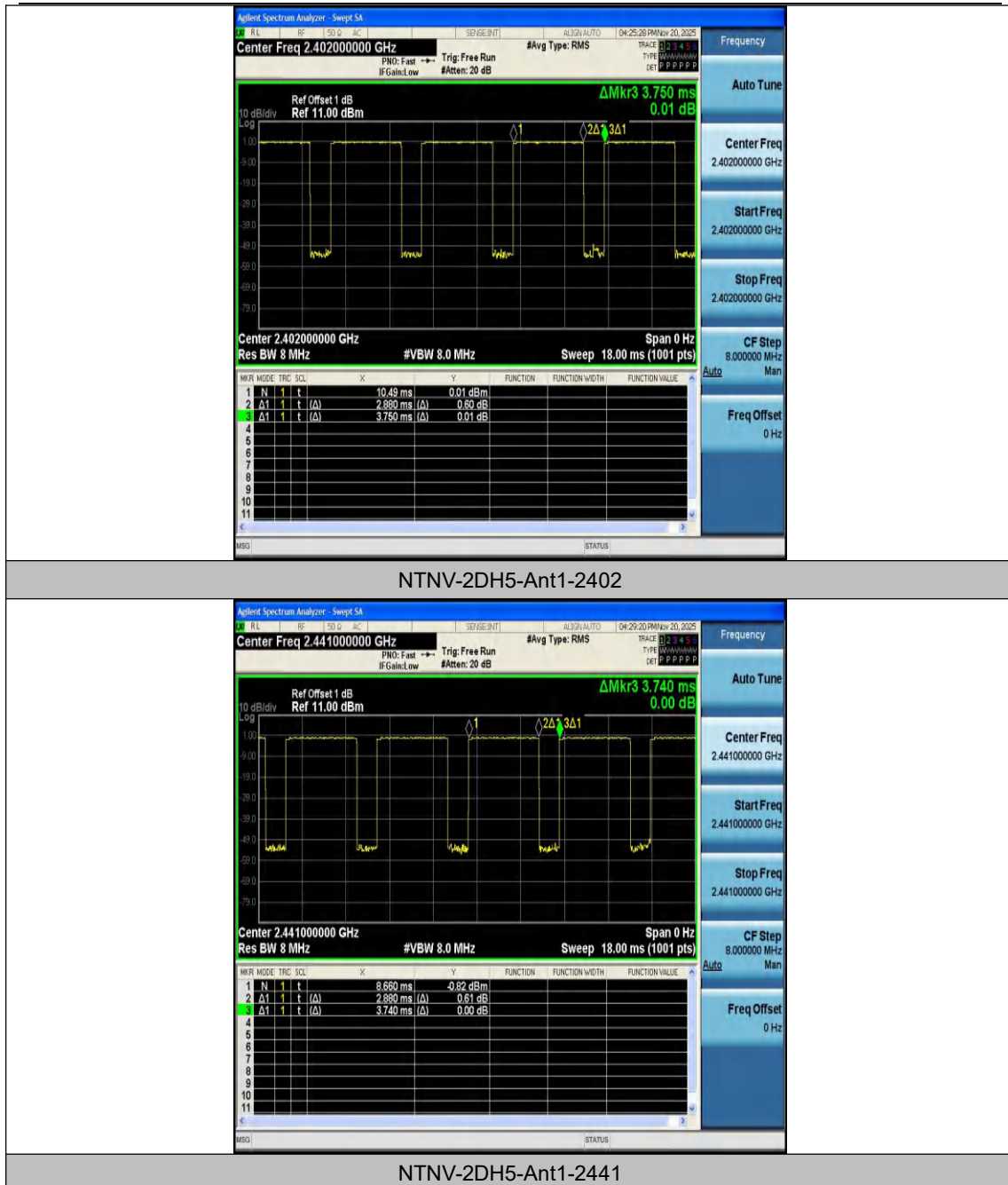


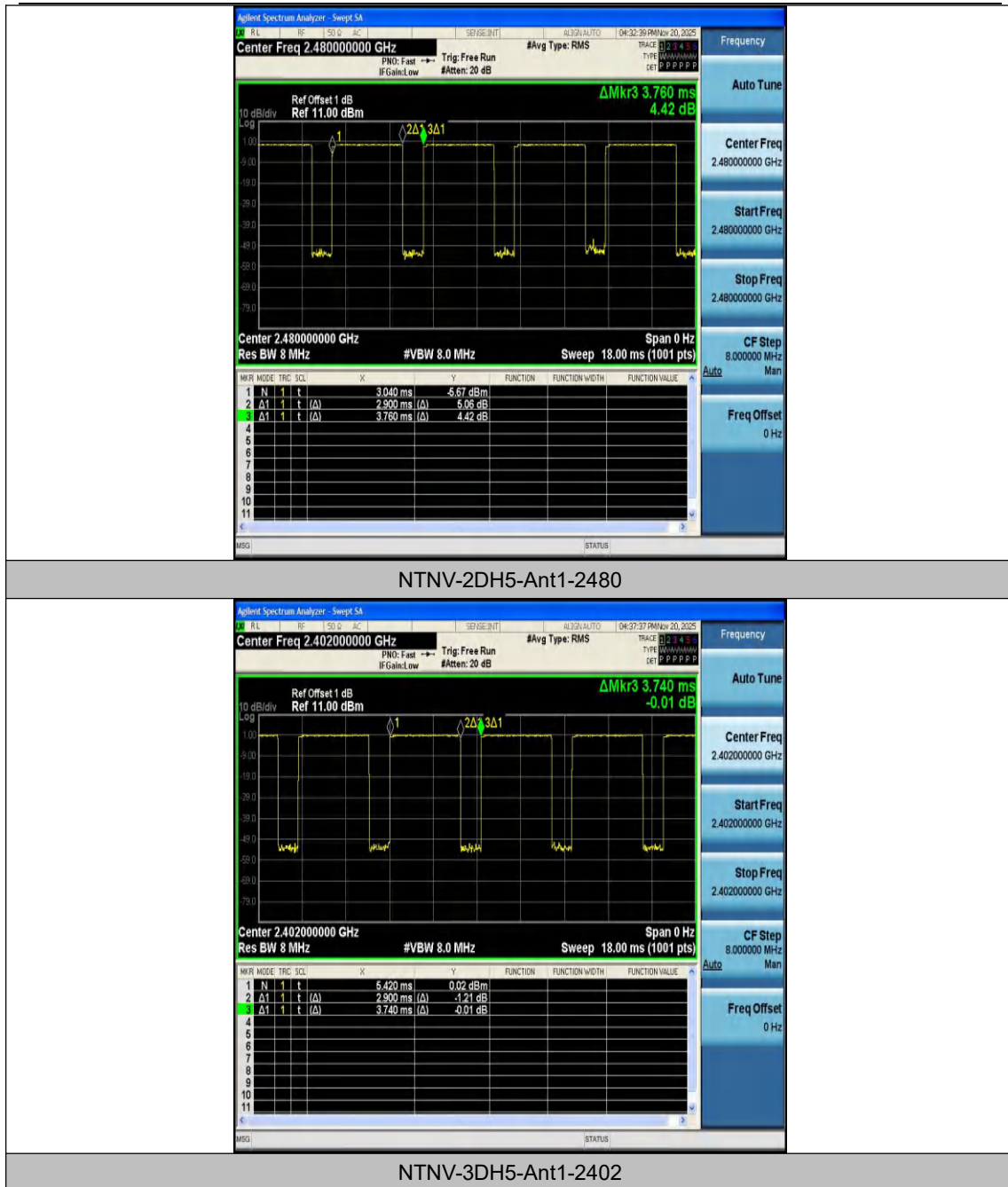


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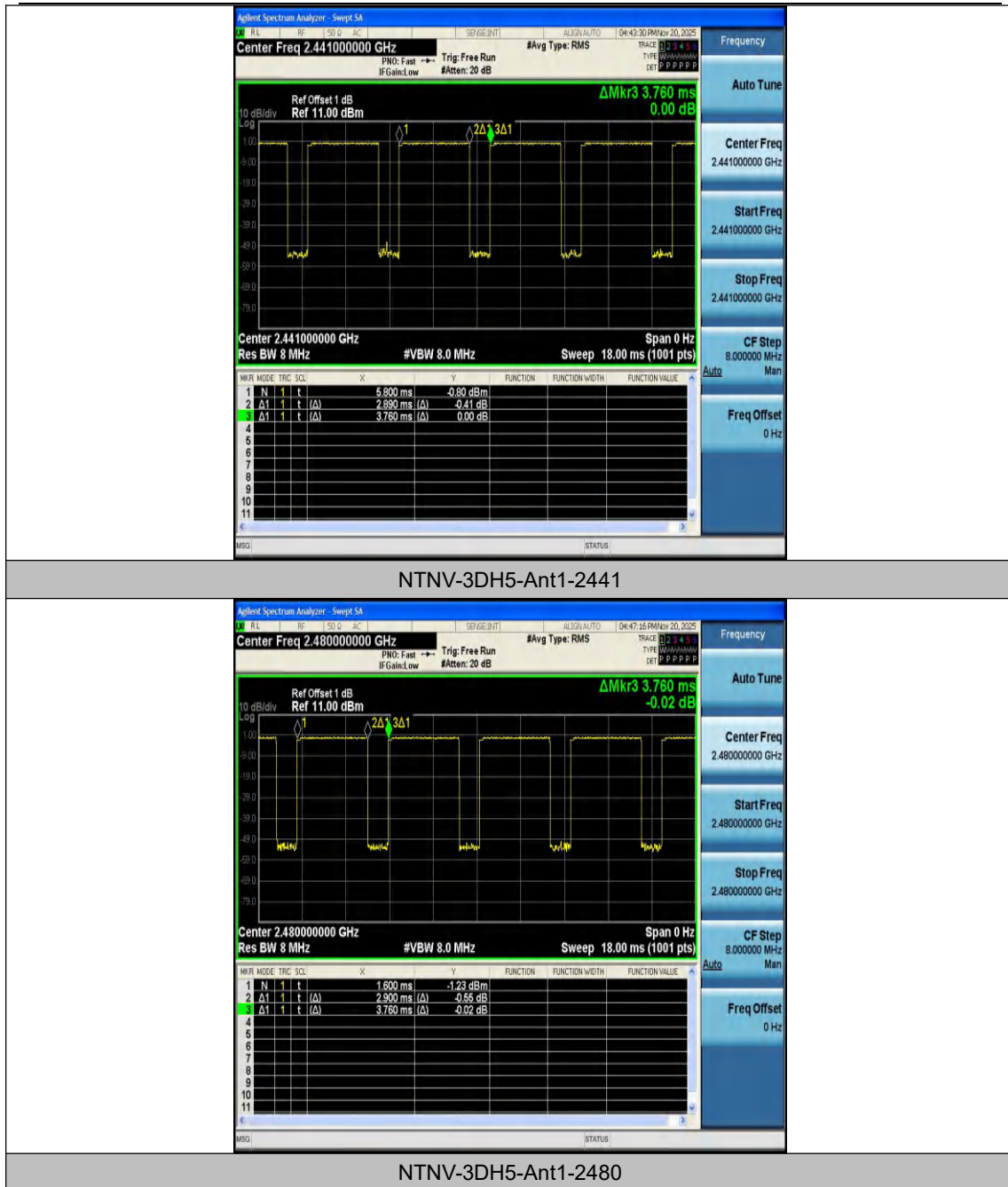




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