

Appendix Test Data

Report No.:	1814C50286312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-11-28	Finish Test Date:	2025-11-28
Test Engineer:	Alex Peng	Auditor:	Justin Feng
Temperature:	23.8°C	Relative Humidity:	42%
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	0.981	2401.466	2402.447	---	---
DH5	Ant1	2441	0.981	2440.469	2441.450	---	---
DH5	Ant1	2480	1.005	2479.460	2480.465	---	---
2DH5	Ant1	2402	1.284	2401.331	2402.615	---	---
2DH5	Ant1	2441	1.281	2440.331	2441.612	---	---
2DH5	Ant1	2480	1.308	2479.307	2480.615	---	---
3DH5	Ant1	2402	1.287	2401.325	2402.612	---	---
3DH5	Ant1	2441	1.272	2440.328	2441.600	---	---
3DH5	Ant1	2480	1.299	2479.319	2480.618	---	---

Test Graphs

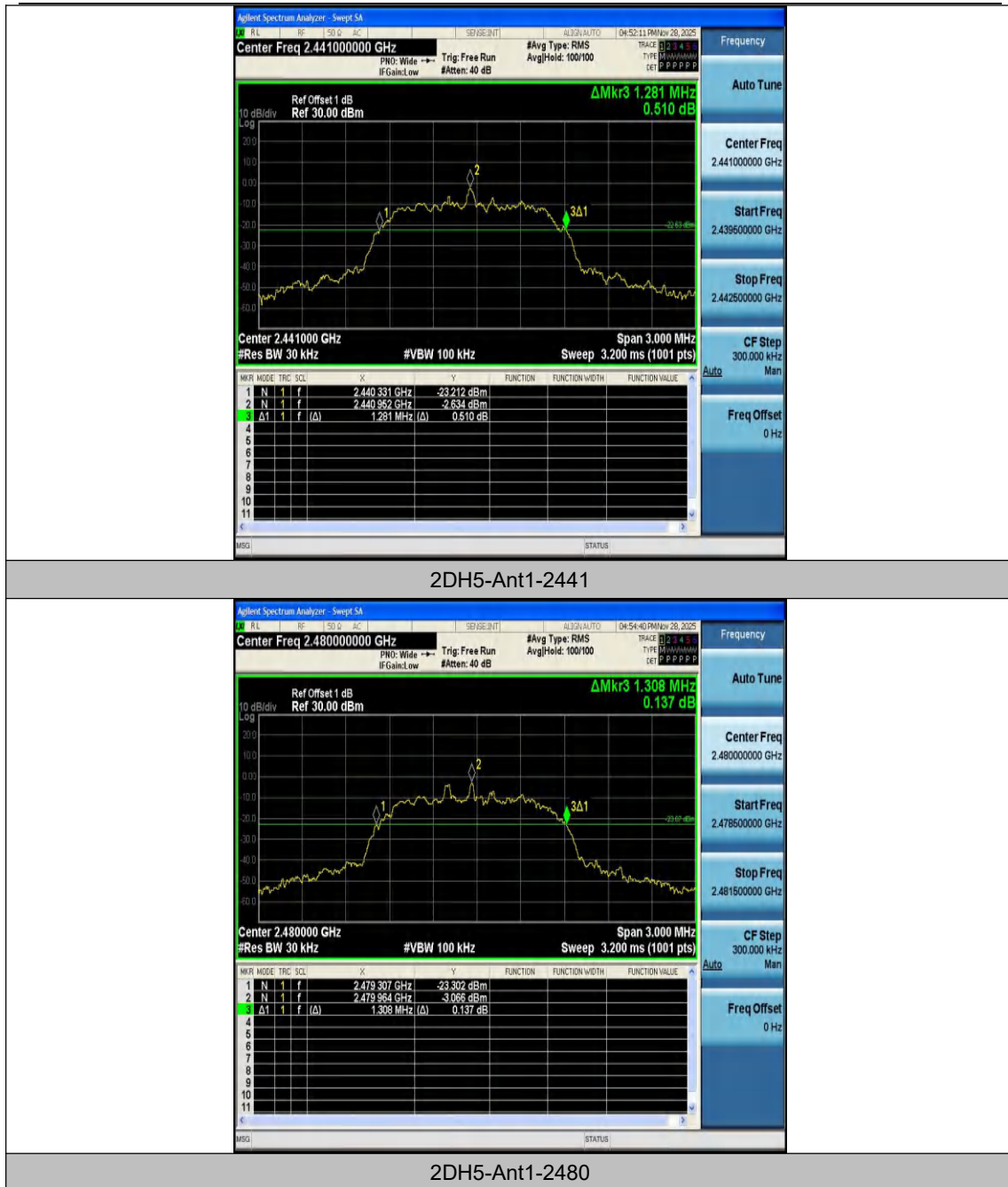


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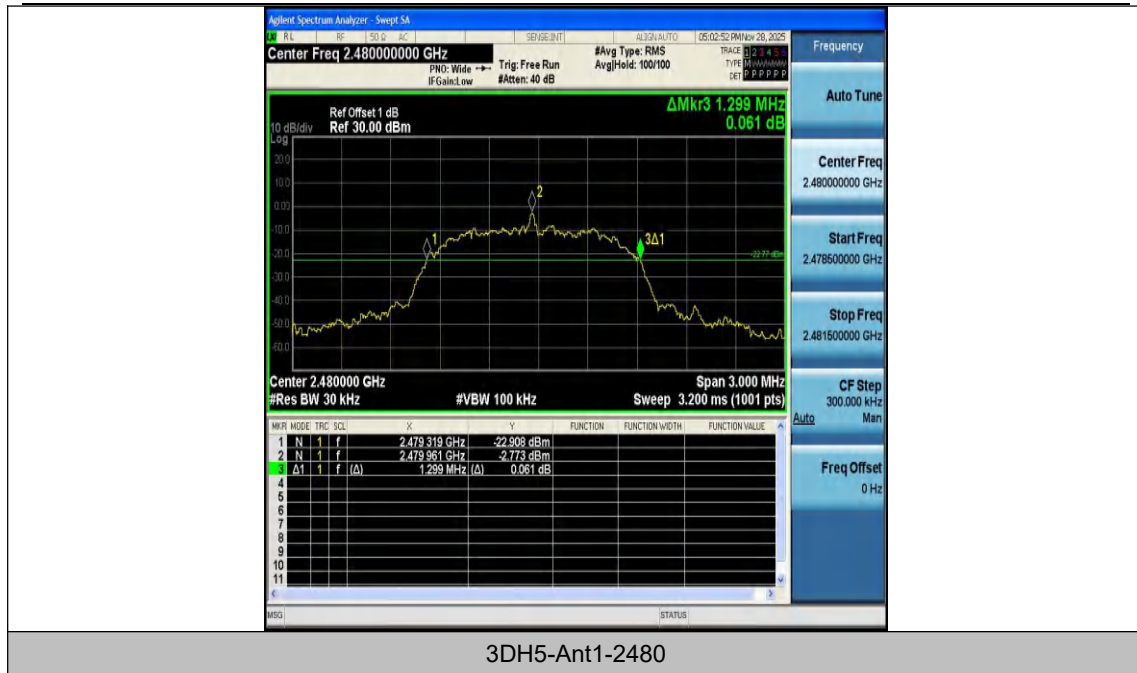


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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88794	2401.5198	2402.4078	---	---
DH5	Ant1	2441	0.89199	2440.5218	2441.4138	---	---
DH5	Ant1	2480	0.89671	2479.5160	2480.4127	---	---
2DH5	Ant1	2402	1.2020	2401.3637	2402.5657	---	---
2DH5	Ant1	2441	1.2162	2440.3556	2441.5718	---	---
2DH5	Ant1	2480	1.1929	2479.3666	2480.5595	---	---
3DH5	Ant1	2402	1.1825	2401.3714	2402.5539	---	---
3DH5	Ant1	2441	1.2168	2440.3527	2441.5695	---	---
3DH5	Ant1	2480	1.2058	2479.3590	2480.5648	---	---

Test Graphs



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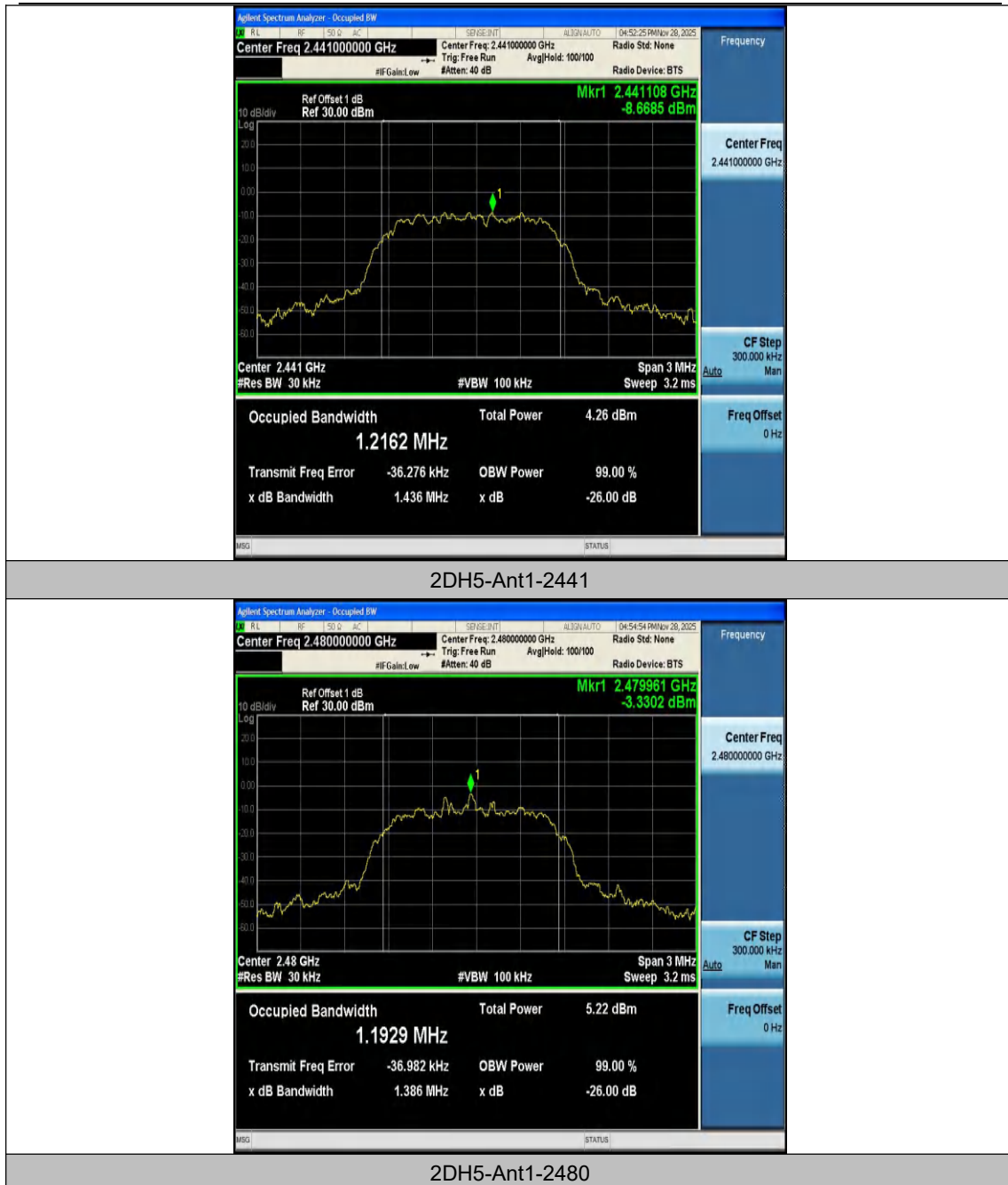
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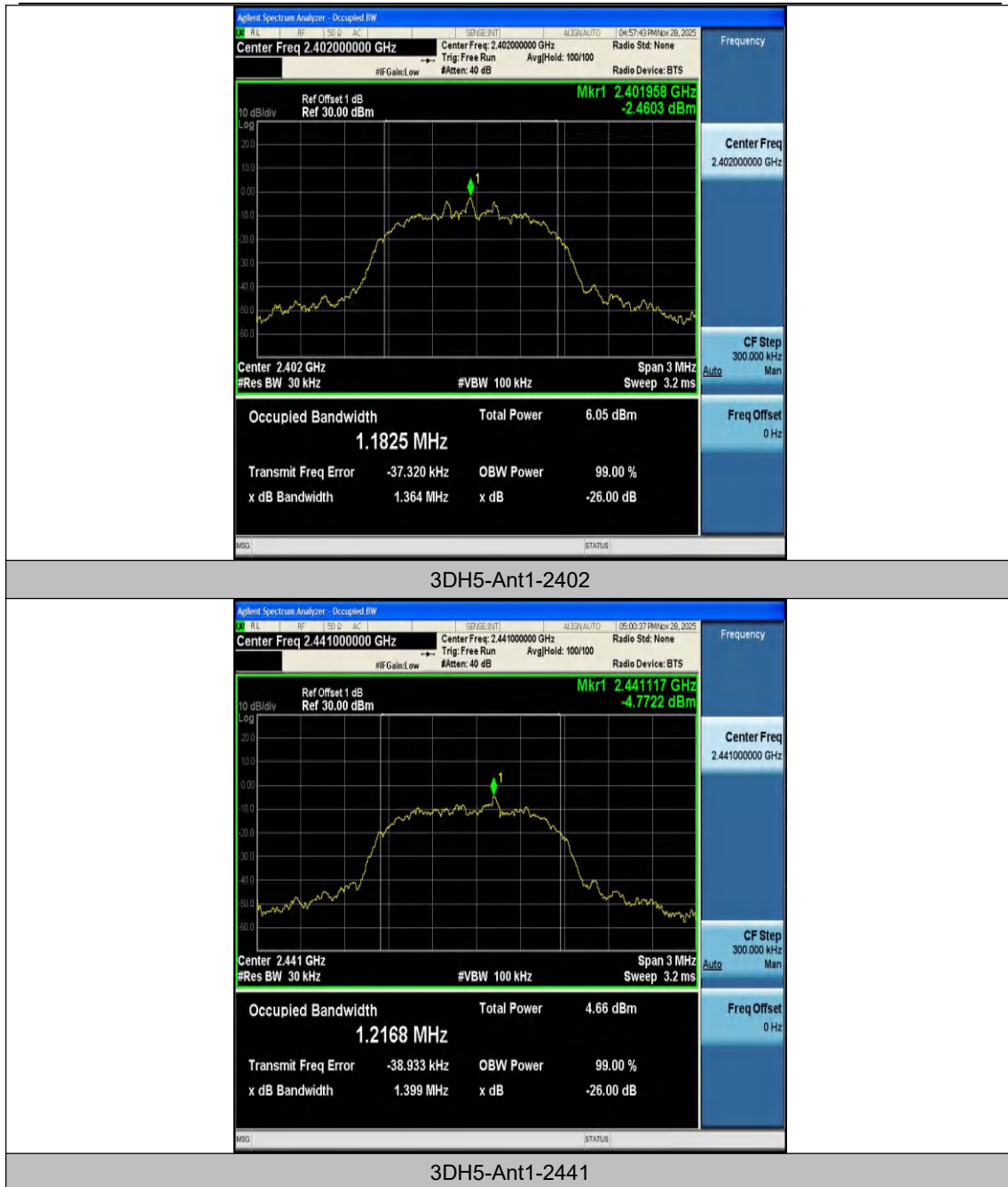
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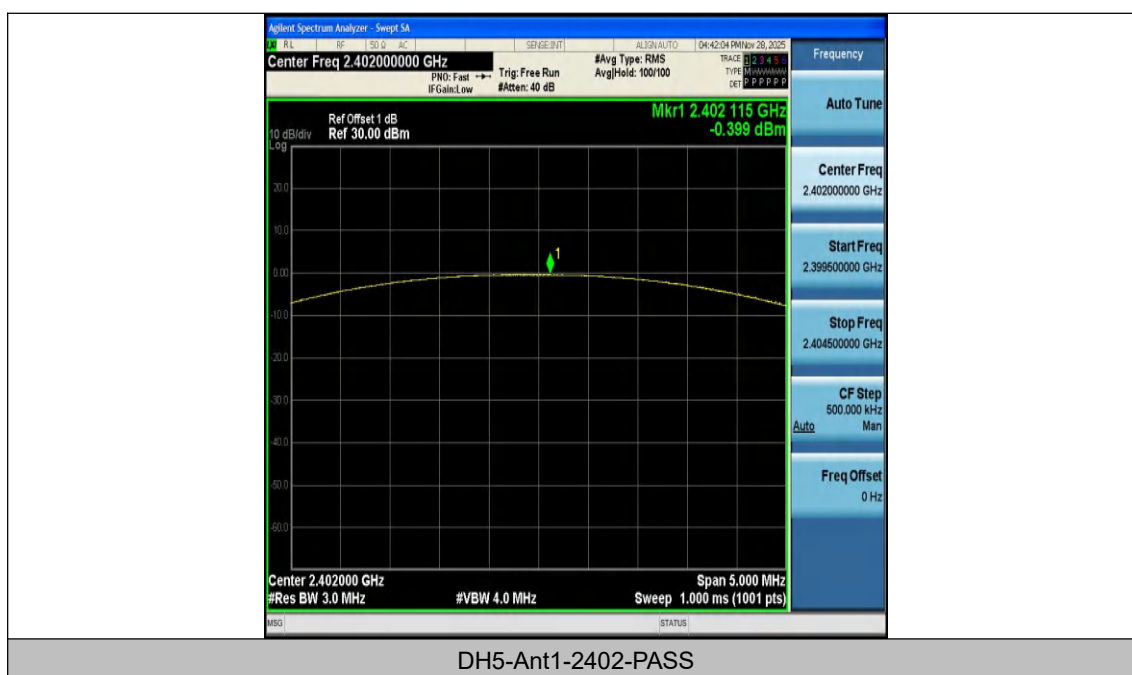
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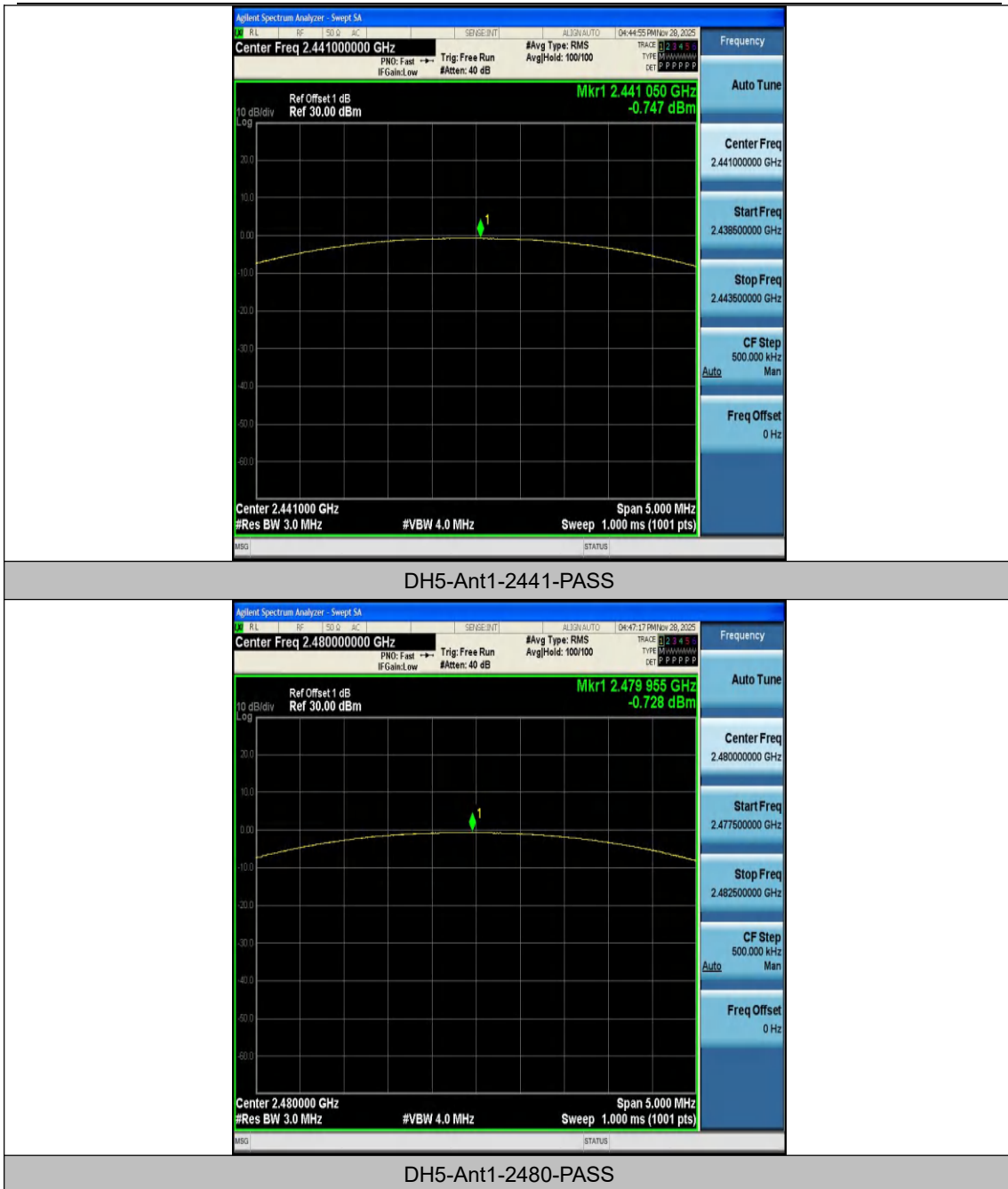
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.40	≤20.97	PASS
DH5	Ant1	2441	-0.75	≤20.97	PASS
DH5	Ant1	2480	-0.73	≤20.97	PASS
2DH5	Ant1	2402	0.37	≤20.97	PASS
2DH5	Ant1	2441	0.09	≤20.97	PASS
2DH5	Ant1	2480	0.11	≤20.97	PASS
3DH5	Ant1	2402	0.73	≤20.97	PASS
3DH5	Ant1	2441	0.45	≤20.97	PASS
3DH5	Ant1	2480	0.38	≤20.97	PASS

Test Graphs

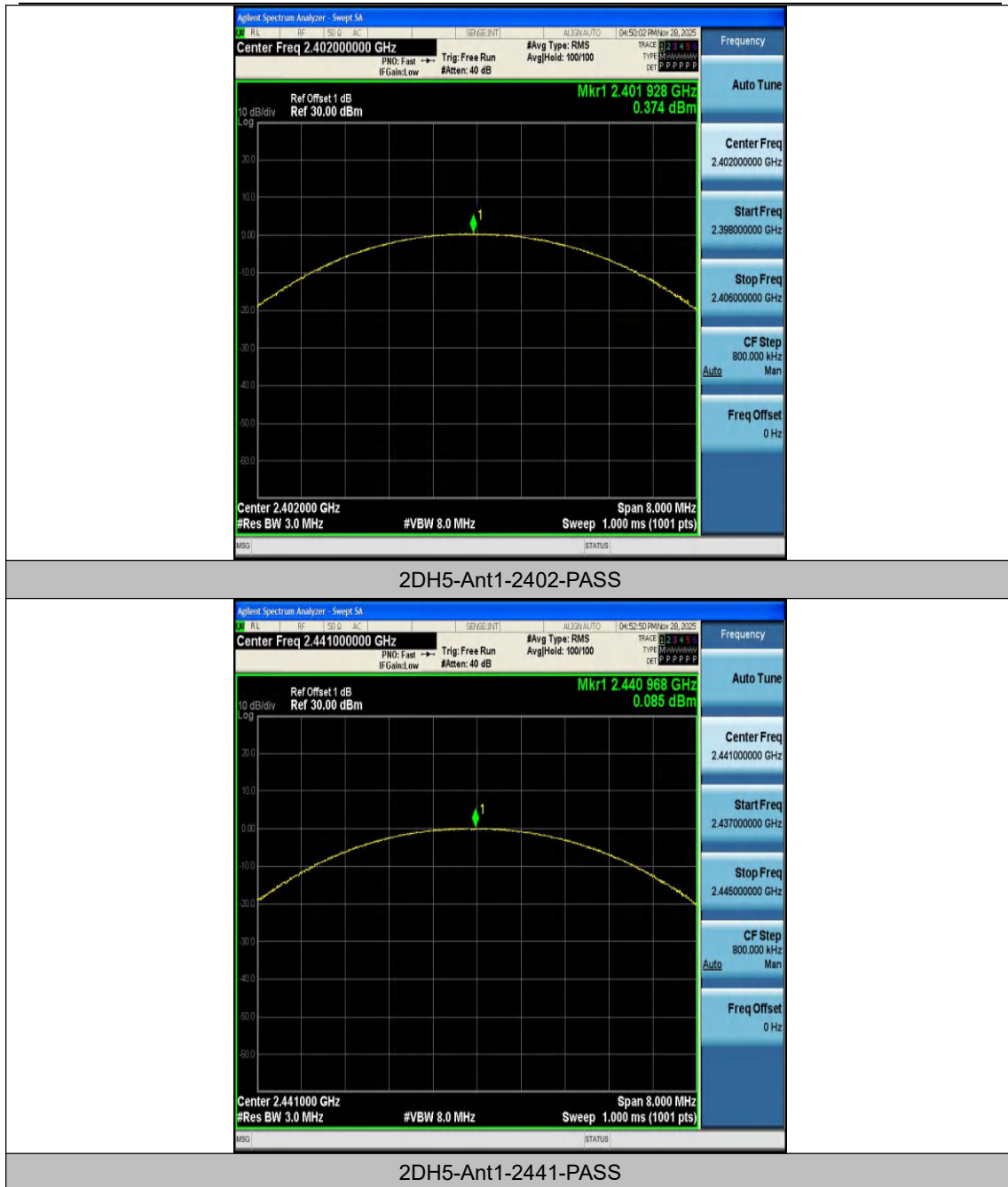




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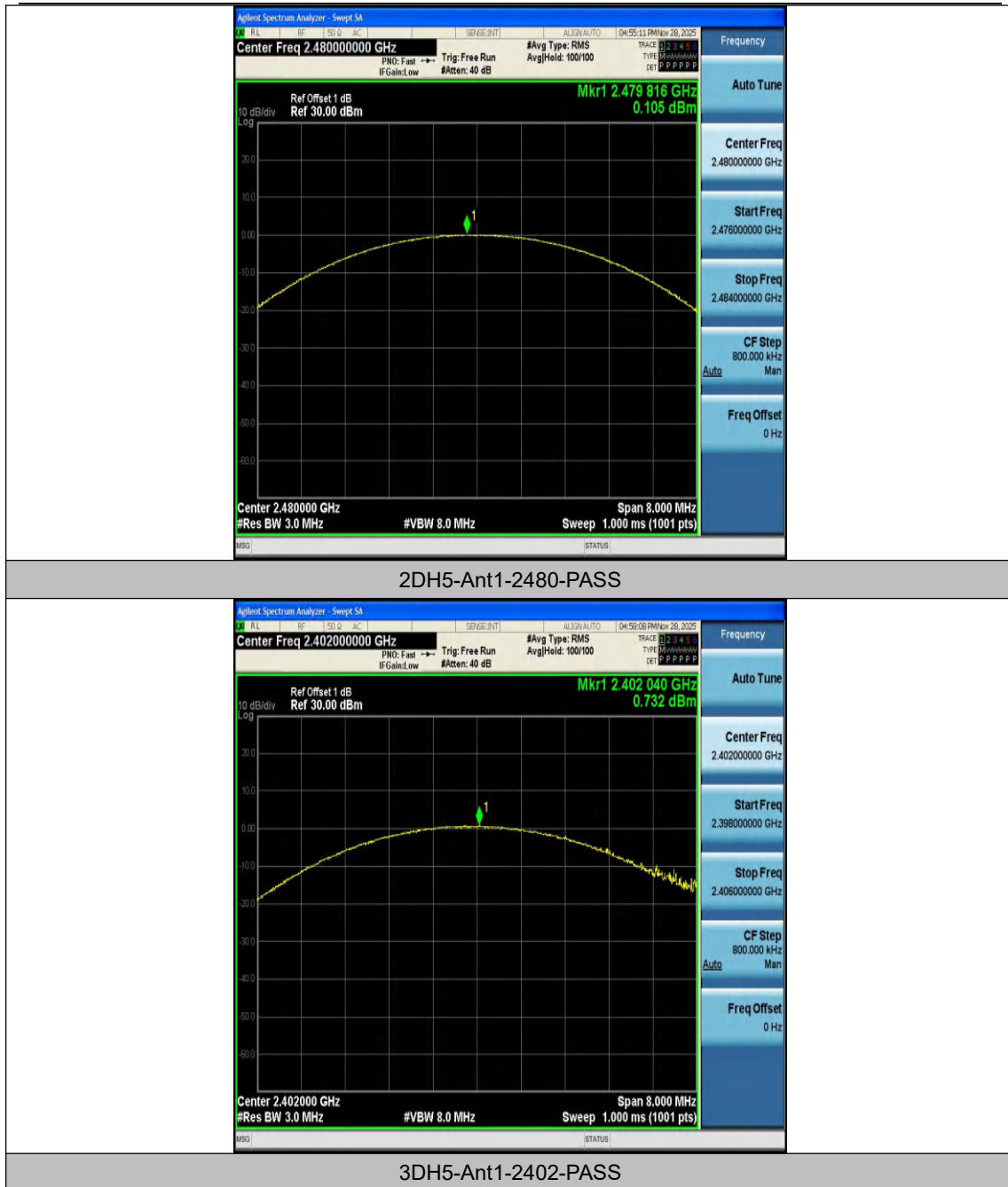
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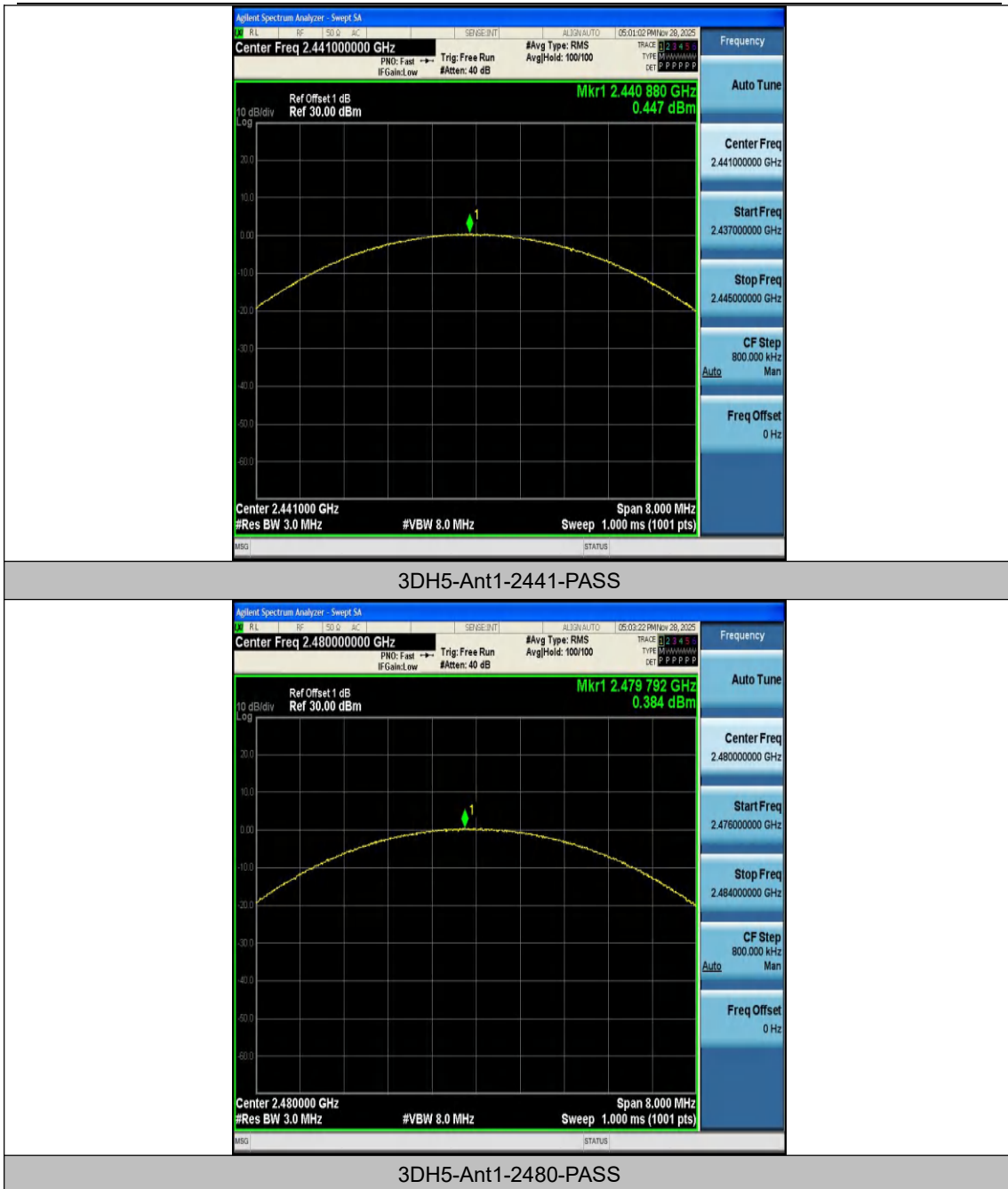
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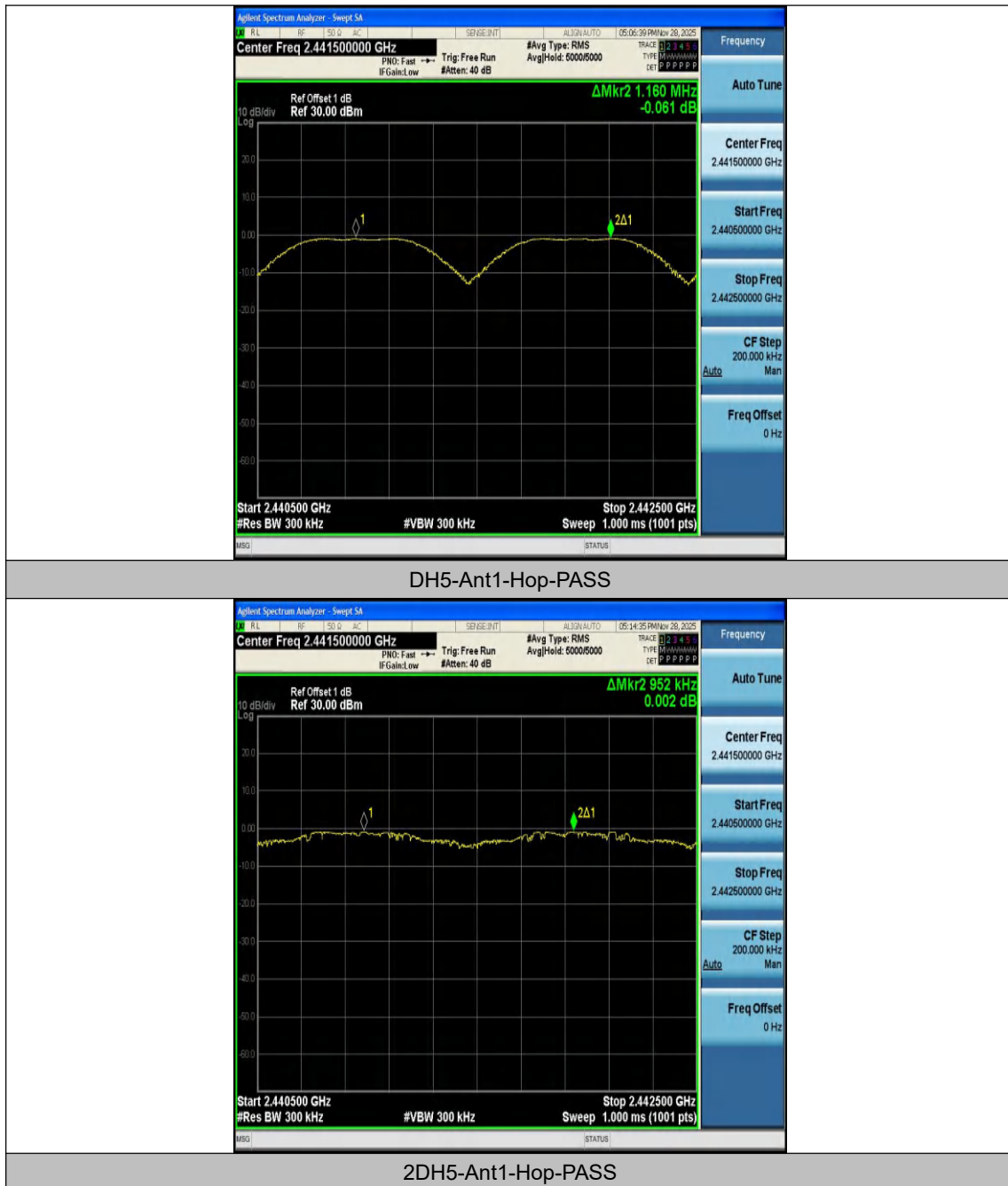
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.16	≥ 1.005	PASS
2DH5	Ant1	Hop	0.952	≥ 0.872	PASS
3DH5	Ant1	Hop	1.174	≥ 0.866	PASS

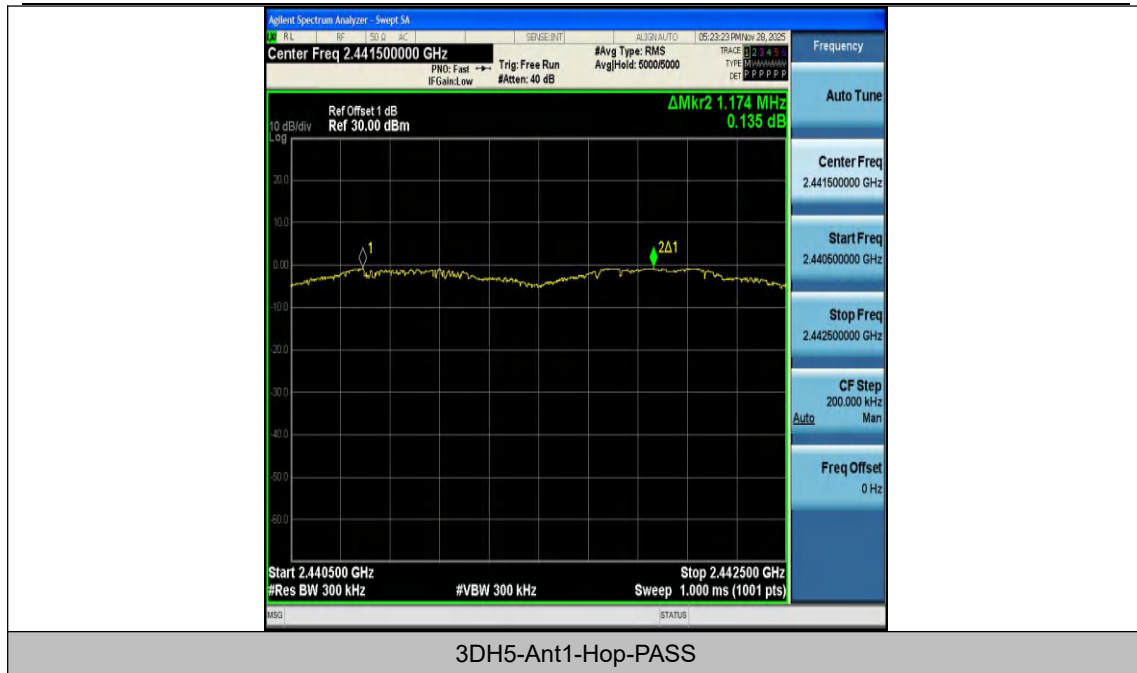
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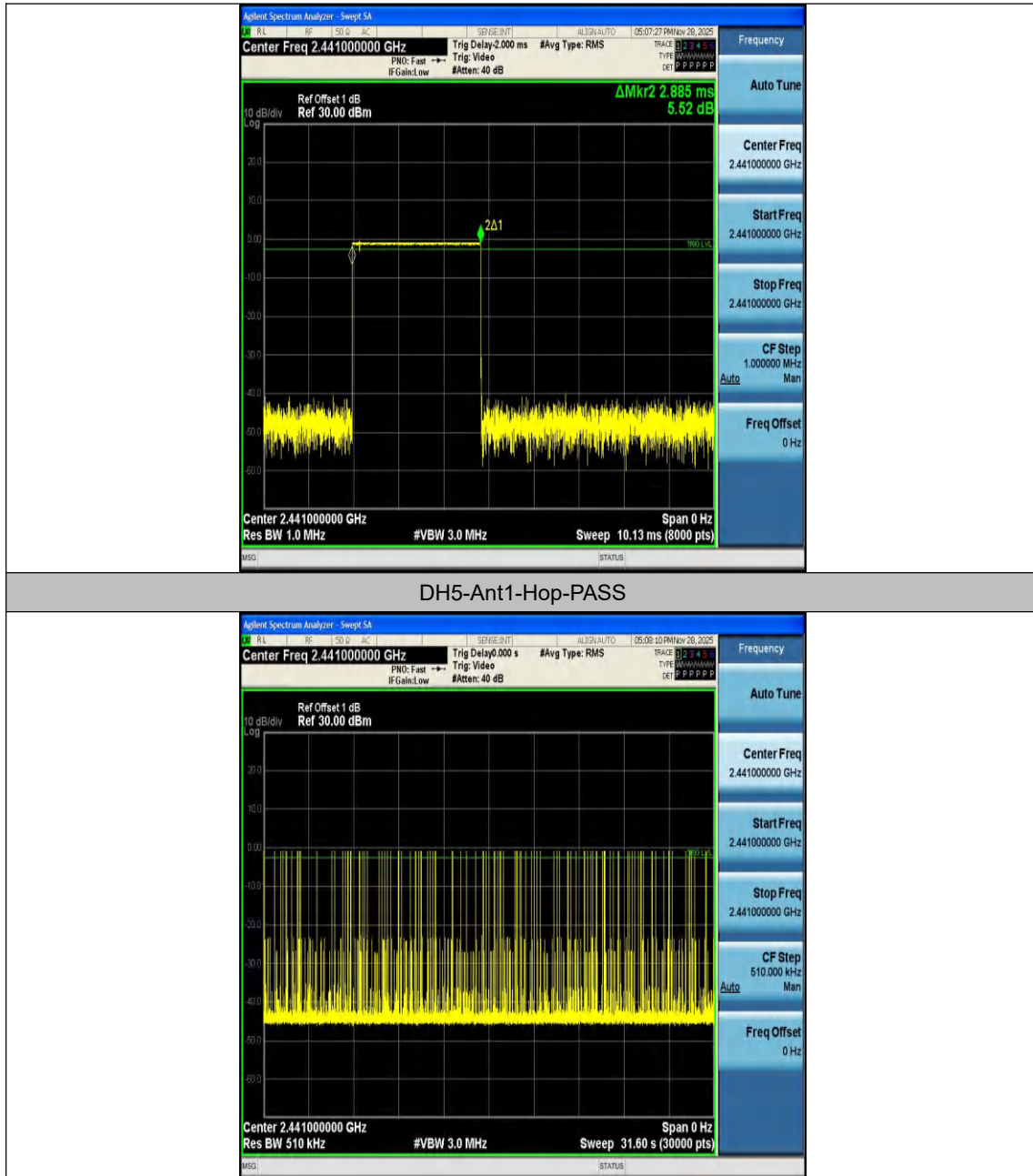
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.891	102	0.295	≤0.4	PASS
3DH5	Ant1	Hop	2.893	99	0.286	≤0.4	PASS

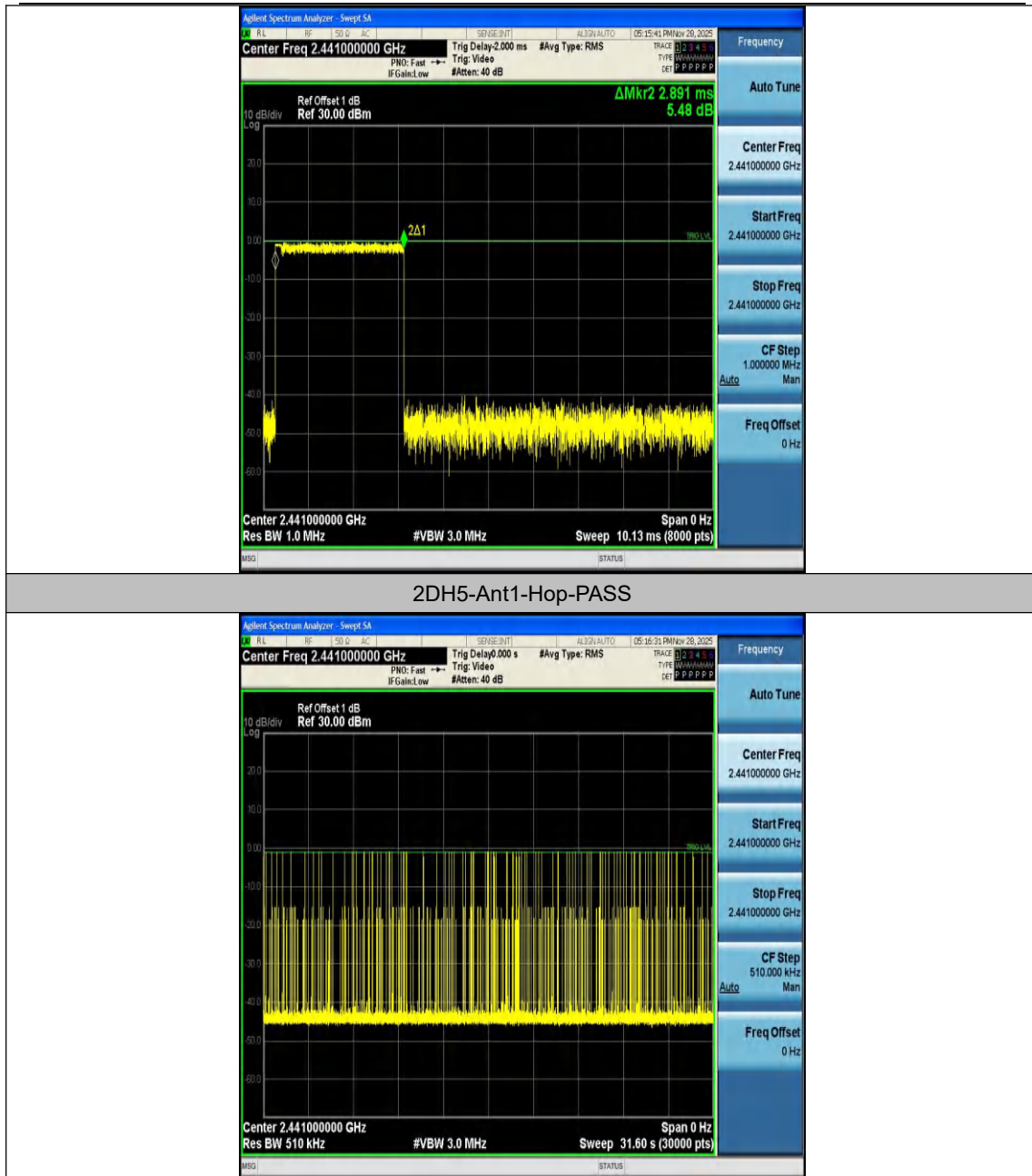
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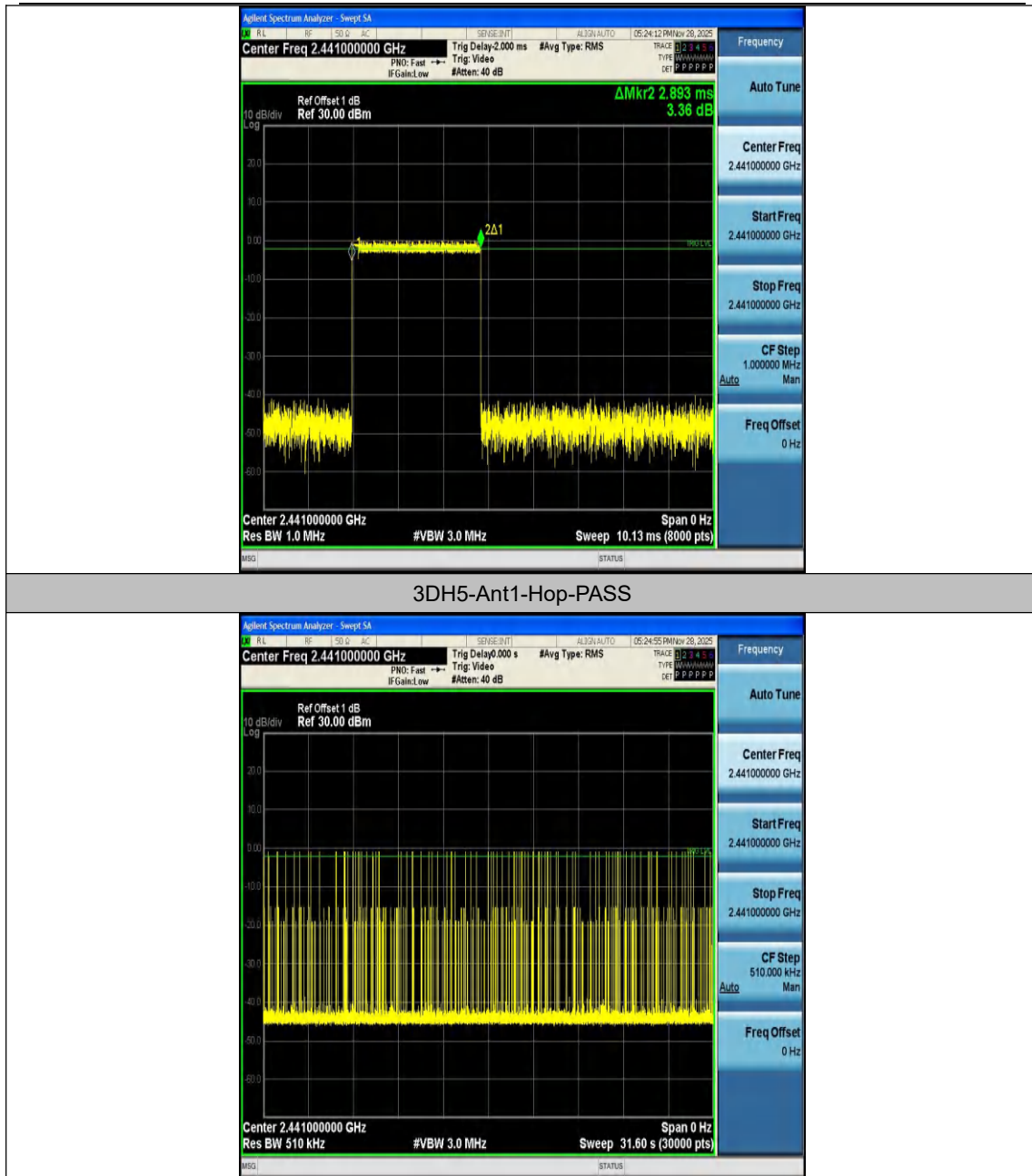
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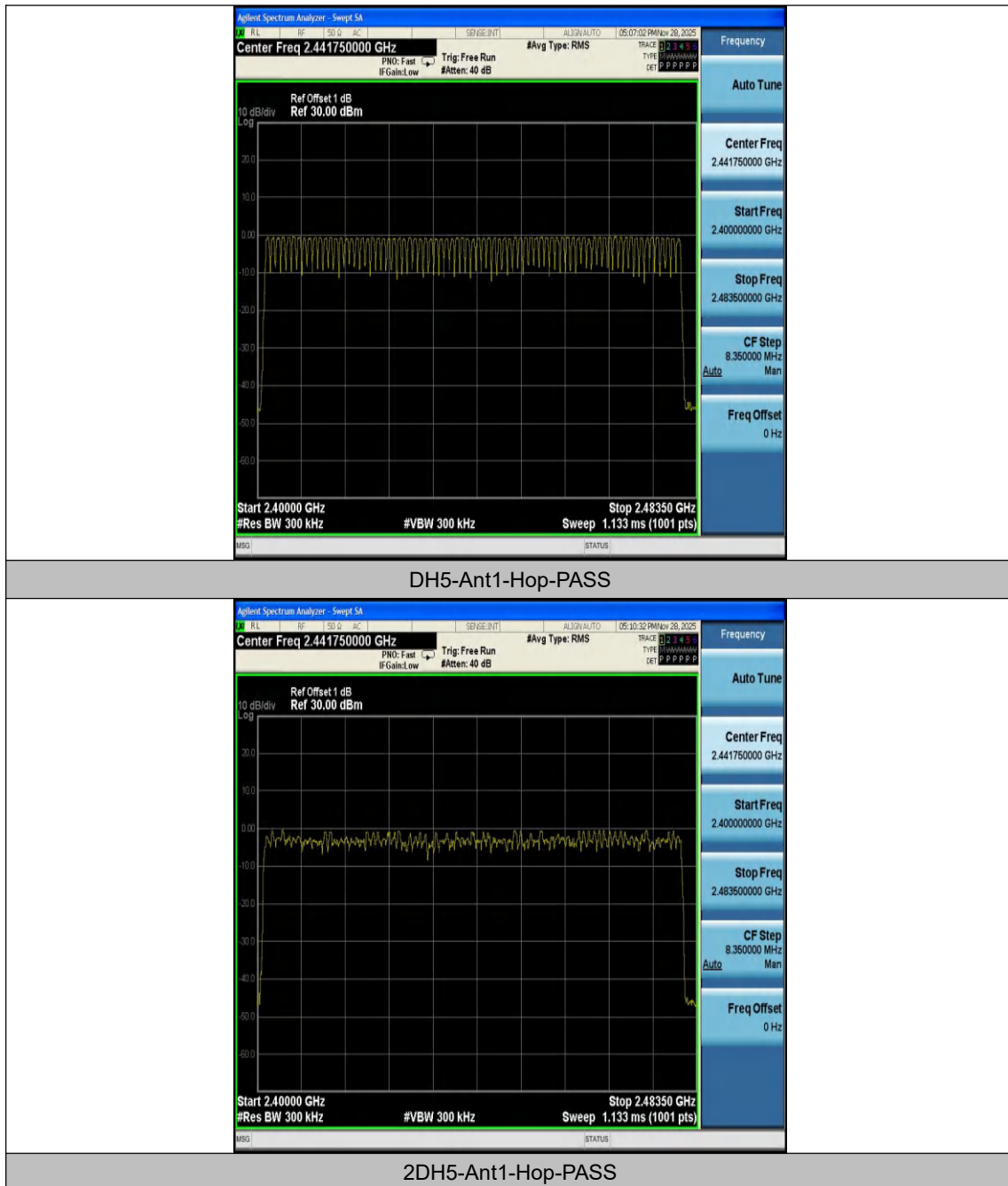
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Appendix F: Number of Hopping Channel

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

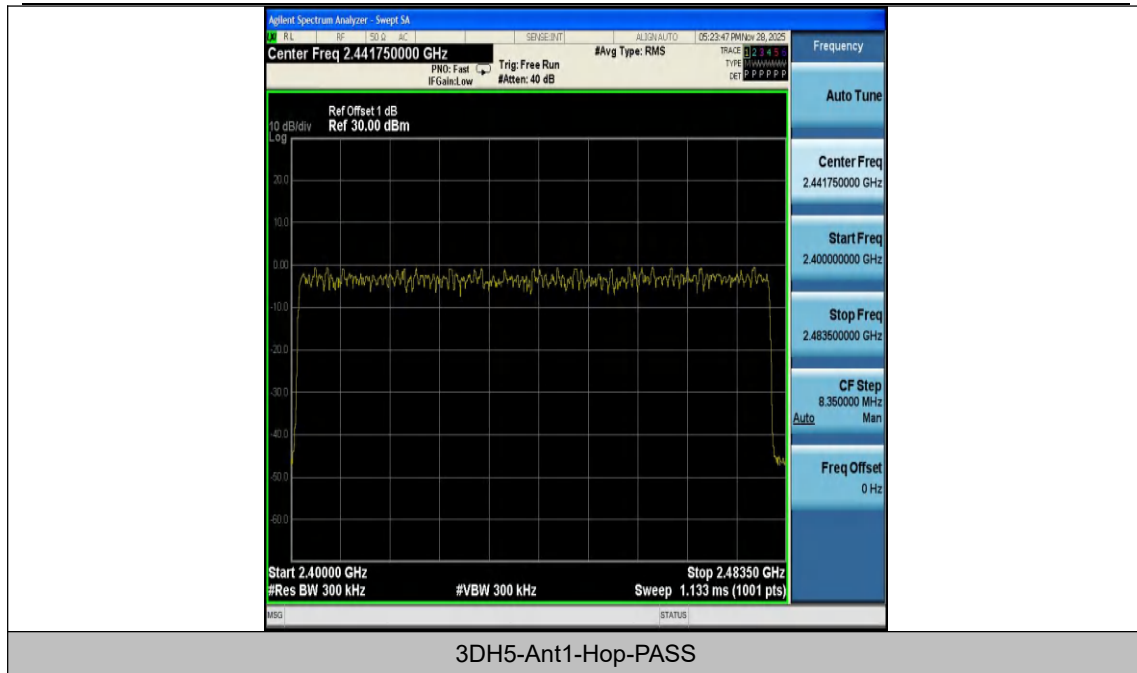
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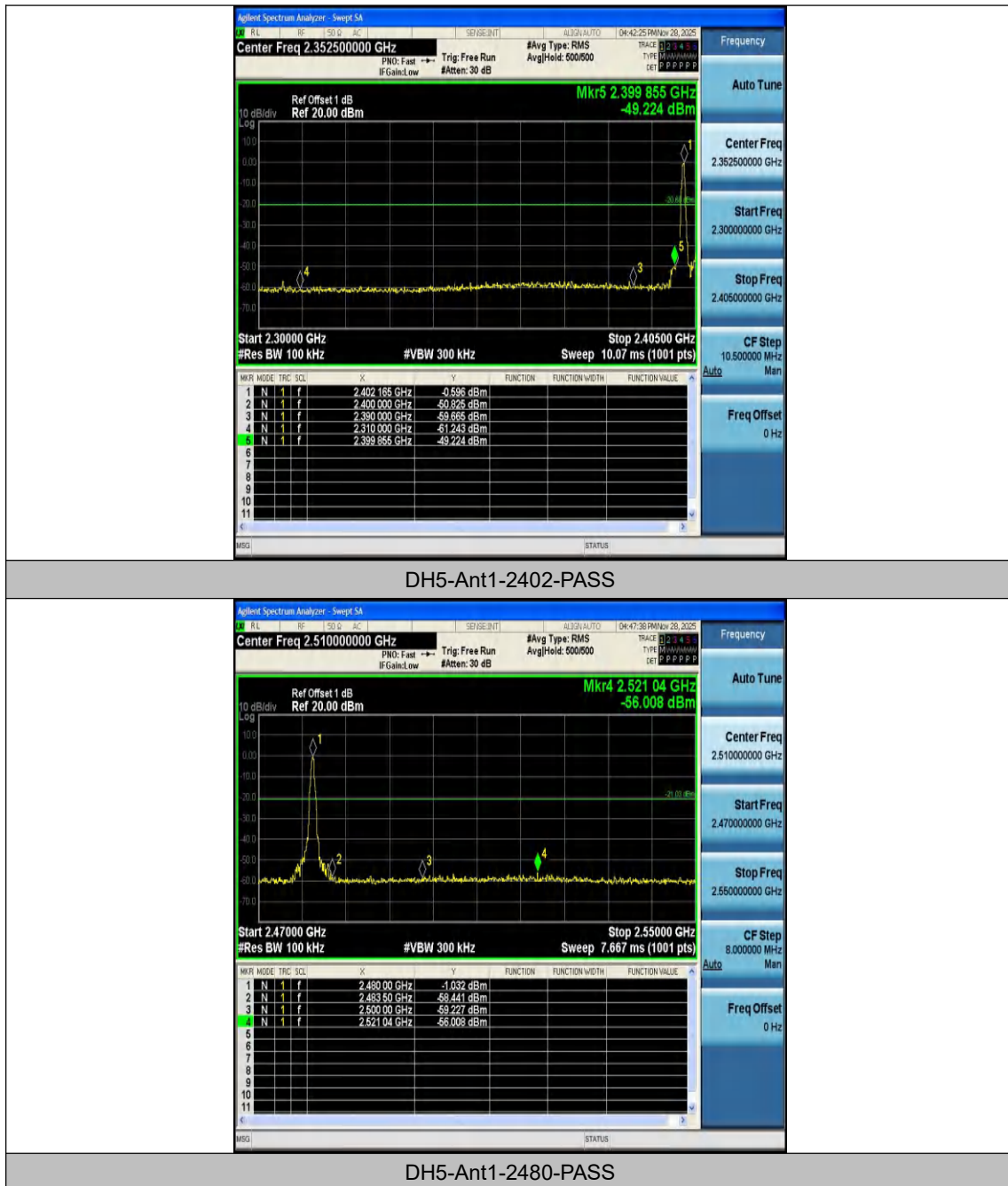
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.60	-49.22	≤ -20.6	PASS
DH5	Ant1	High	2480	-1.03	-56.01	≤ -21.03	PASS
DH5	Ant1	Low	Hop_2402	-0.72	-56.2	≤ -20.72	PASS
DH5	Ant1	High	Hop_2480	-1.14	-55.85	≤ -21.14	PASS
2DH5	Ant1	Low	2402	-0.70	-52.52	≤ -20.7	PASS
2DH5	Ant1	High	2480	-1.19	-57.05	≤ -21.19	PASS
2DH5	Ant1	Low	Hop_2402	-2.73	-54.4	≤ -22.73	PASS
2DH5	Ant1	High	Hop_2480	-1.94	-54.59	≤ -21.94	PASS
3DH5	Ant1	Low	2402	-0.66	-51.22	≤ -20.66	PASS
3DH5	Ant1	High	2480	-1.06	-56.06	≤ -21.06	PASS
3DH5	Ant1	Low	Hop_2402	-2.18	-56.68	≤ -22.18	PASS
3DH5	Ant1	High	Hop_2480	-0.89	-57.02	≤ -20.89	PASS

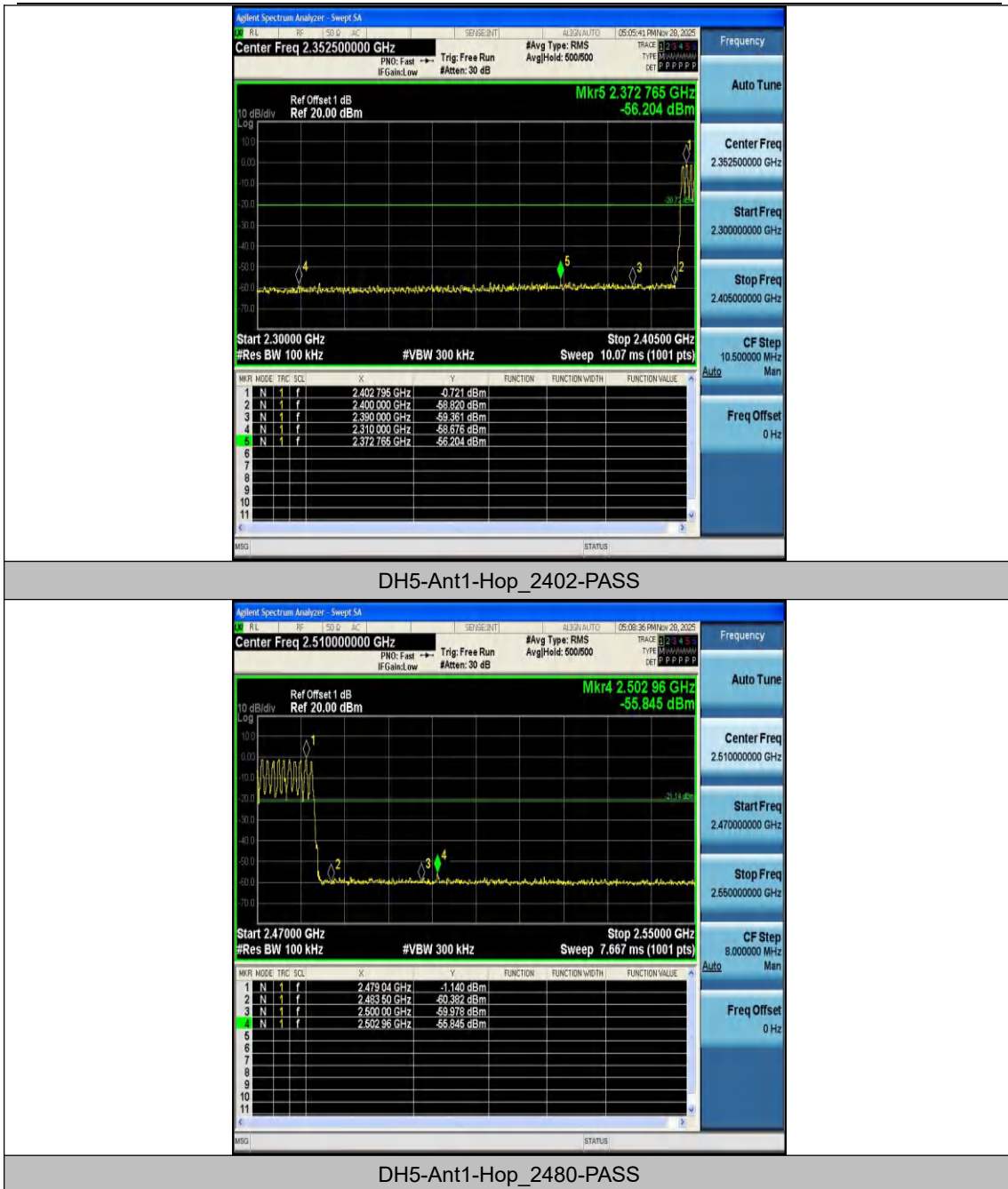
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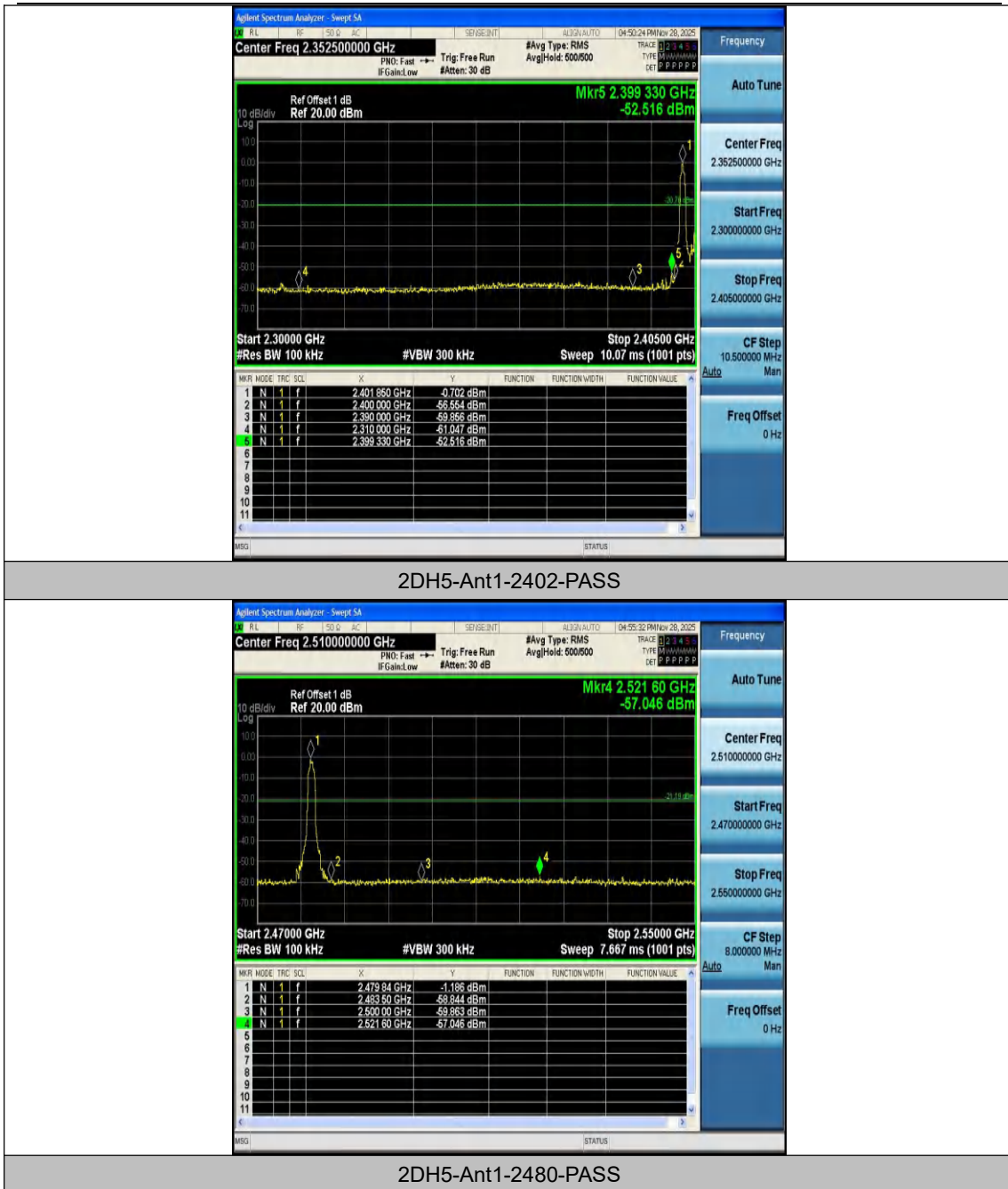


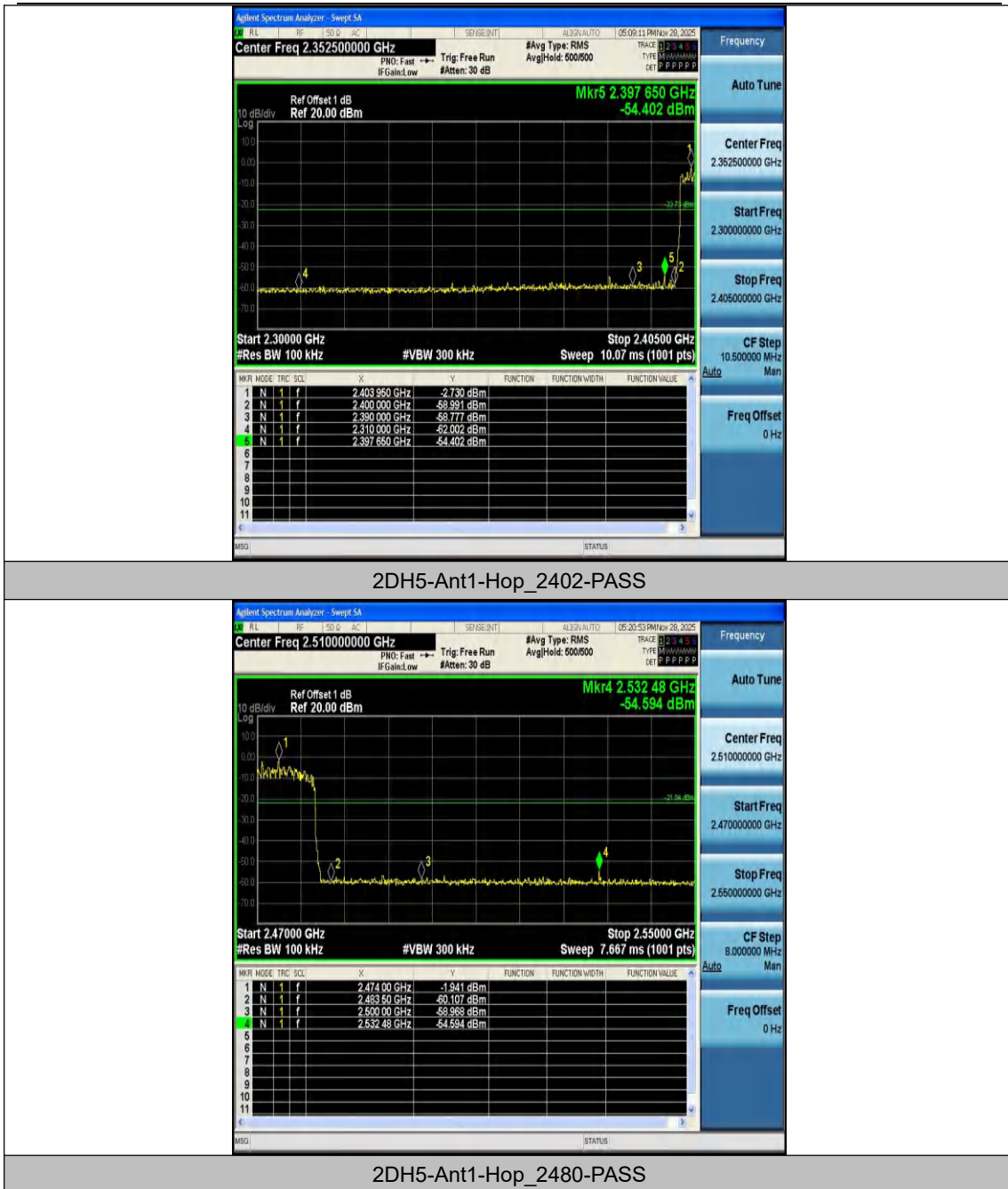
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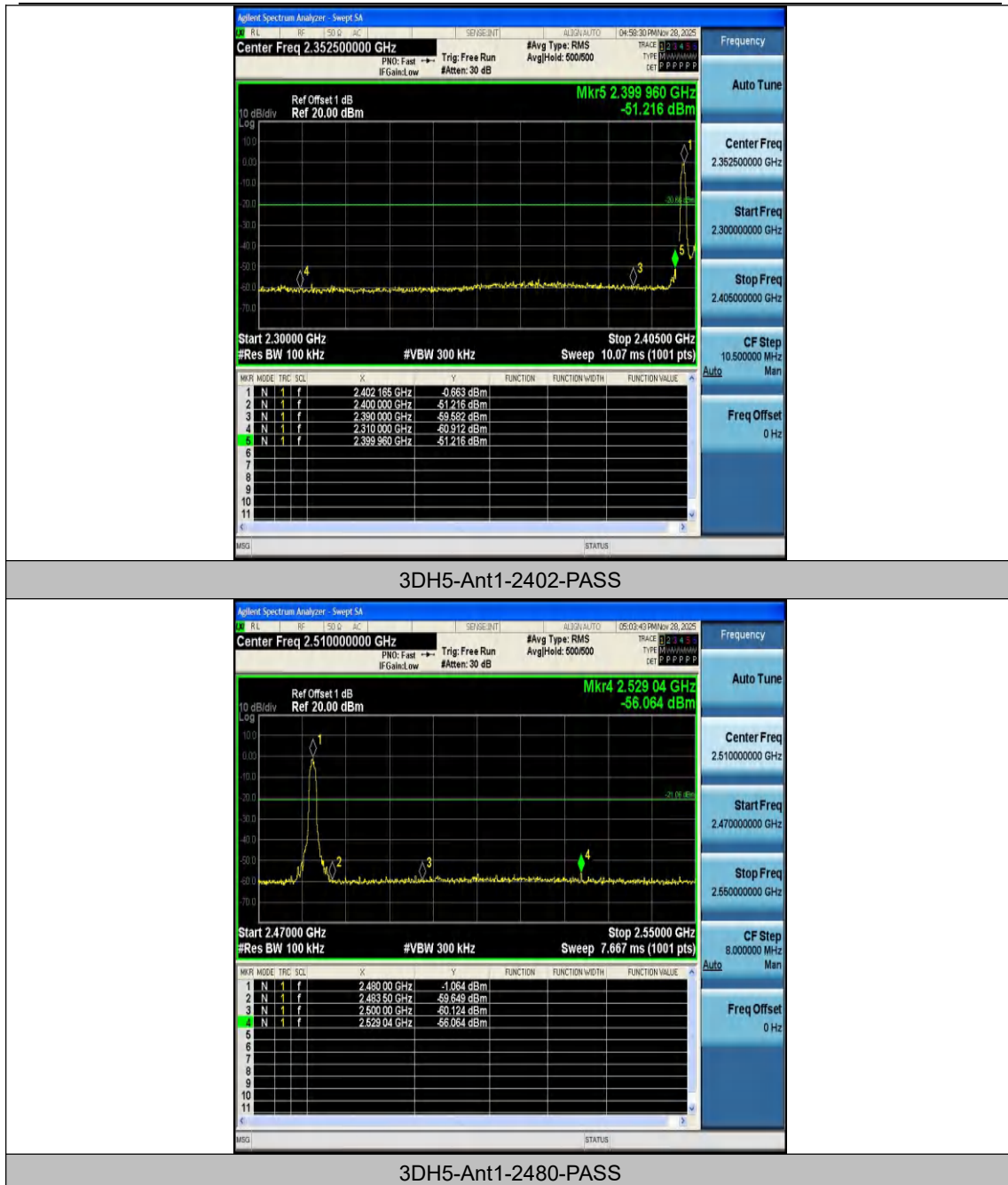
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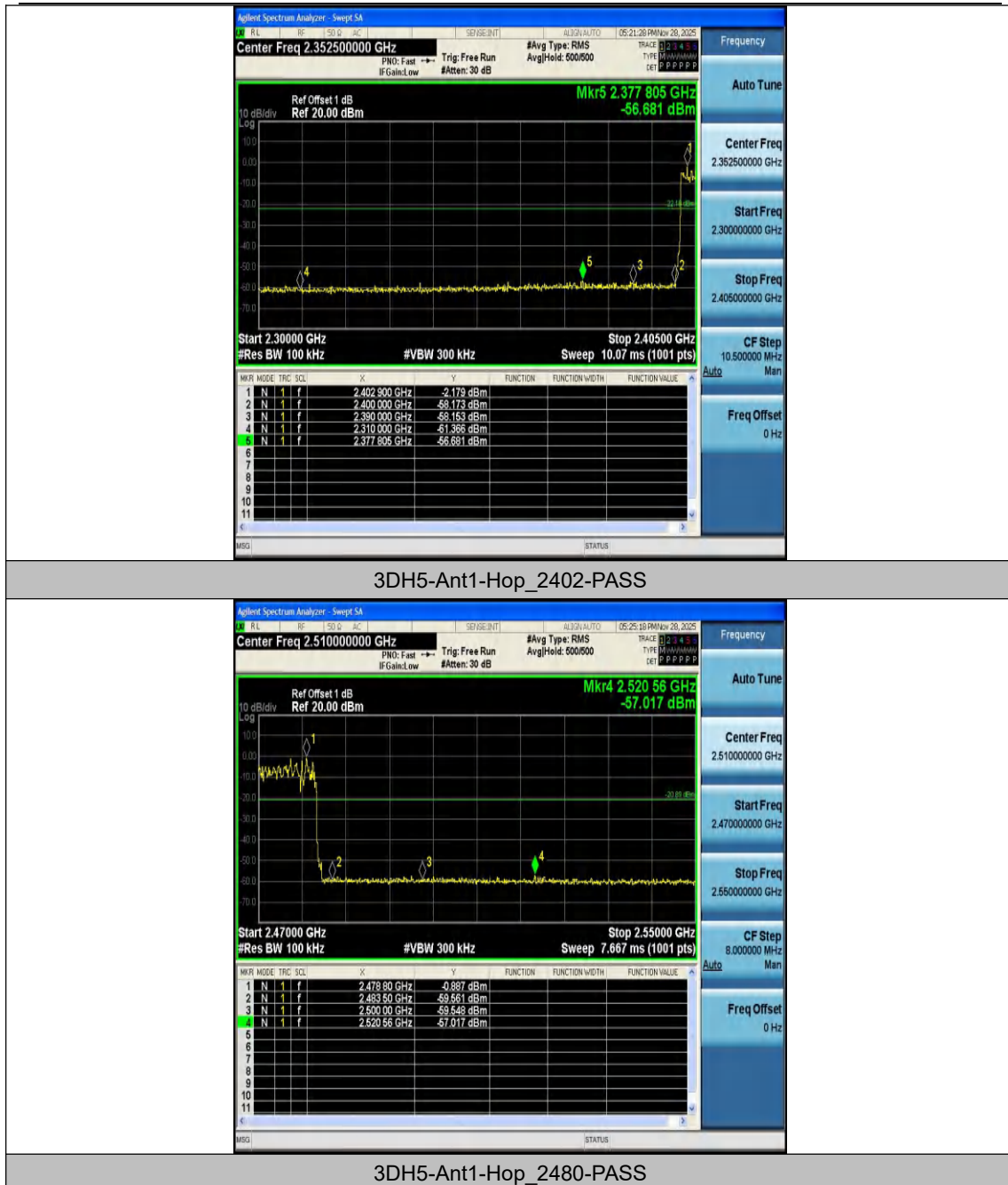
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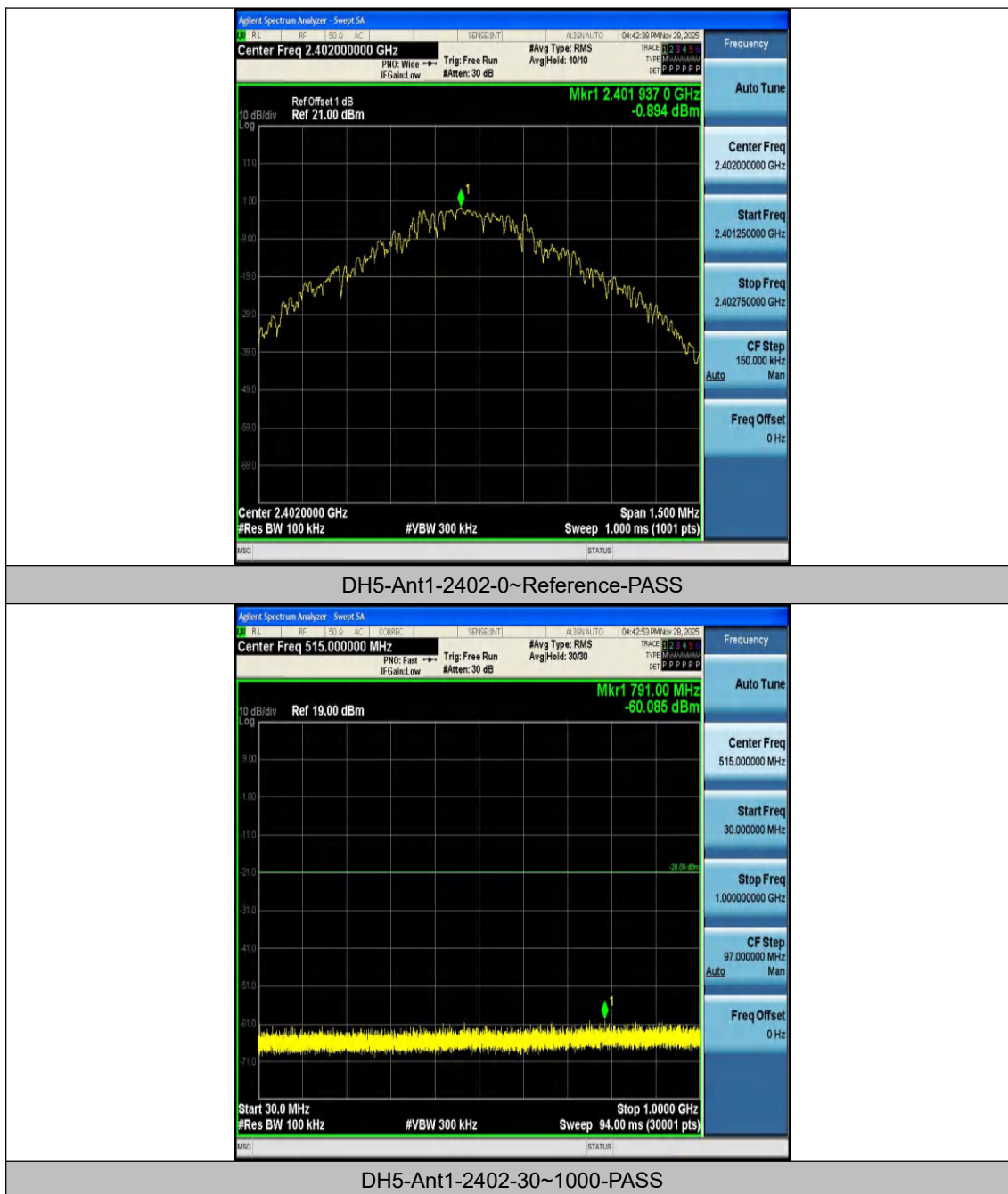
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.89	-0.89	---	PASS
DH5	Ant1	2402	30~1000	-0.89	-60.09	≤-20.89	PASS
DH5	Ant1	2402	1000~26500	-0.89	-46.44	≤-20.89	PASS
DH5	Ant1	2441	0~Reference	-1.60	-1.60	---	PASS
DH5	Ant1	2441	30~1000	-1.60	-59.19	≤-21.6	PASS
DH5	Ant1	2441	1000~26500	-1.60	-46.3	≤-21.6	PASS
DH5	Ant1	2480	0~Reference	-1.68	-1.68	---	PASS
DH5	Ant1	2480	30~1000	-1.68	-59.57	≤-21.68	PASS
DH5	Ant1	2480	1000~26500	-1.68	-45.82	≤-21.68	PASS
2DH5	Ant1	2402	0~Reference	-2.39	-2.39	---	PASS
2DH5	Ant1	2402	30~1000	-2.39	-59.67	≤-22.39	PASS
2DH5	Ant1	2402	1000~26500	-2.39	-46.34	≤-22.39	PASS
2DH5	Ant1	2441	0~Reference	-3.91	-3.91	---	PASS
2DH5	Ant1	2441	30~1000	-3.91	-59.42	≤-23.91	PASS
2DH5	Ant1	2441	1000~26500	-3.91	-46.08	≤-23.91	PASS
2DH5	Ant1	2480	0~Reference	-2.12	-2.12	---	PASS
2DH5	Ant1	2480	30~1000	-2.12	-59.65	≤-22.12	PASS
2DH5	Ant1	2480	1000~26500	-2.12	-45.57	≤-22.12	PASS
3DH5	Ant1	2402	0~Reference	-3.71	-3.71	---	PASS
3DH5	Ant1	2402	30~1000	-3.71	-60.39	≤-23.71	PASS
3DH5	Ant1	2402	1000~26500	-3.71	-46.35	≤-23.71	PASS
3DH5	Ant1	2441	0~Reference	-1.79	-1.79	---	PASS
3DH5	Ant1	2441	30~1000	-1.79	-59.78	≤-21.79	PASS
3DH5	Ant1	2441	1000~26500	-1.79	-45.97	≤-21.79	PASS
3DH5	Ant1	2480	0~Reference	-4.18	-4.18	---	PASS
3DH5	Ant1	2480	30~1000	-4.18	-60.11	≤-24.18	PASS
3DH5	Ant1	2480	1000~26500	-4.18	-45.89	≤-24.18	PASS

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

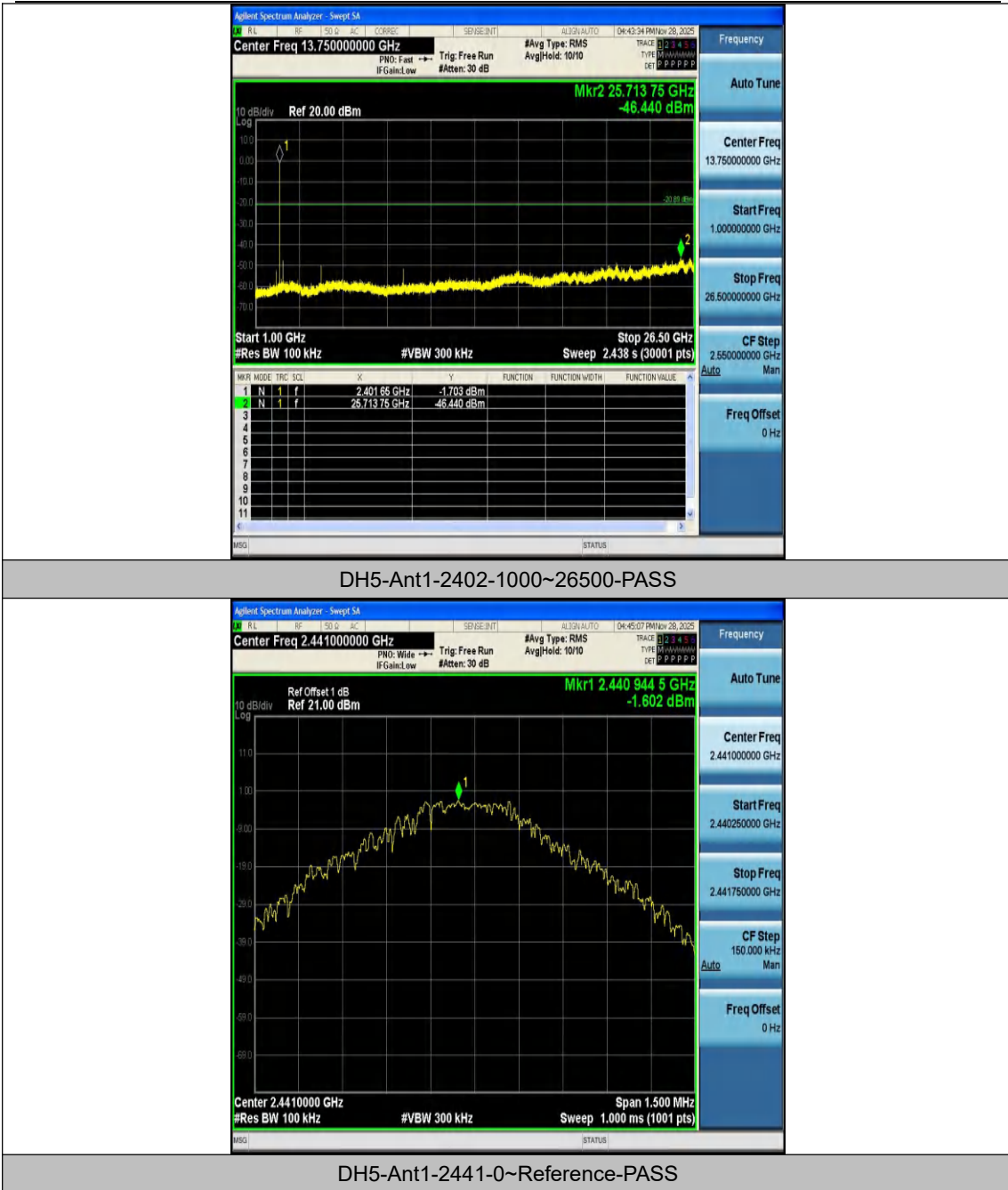
Test Graphs



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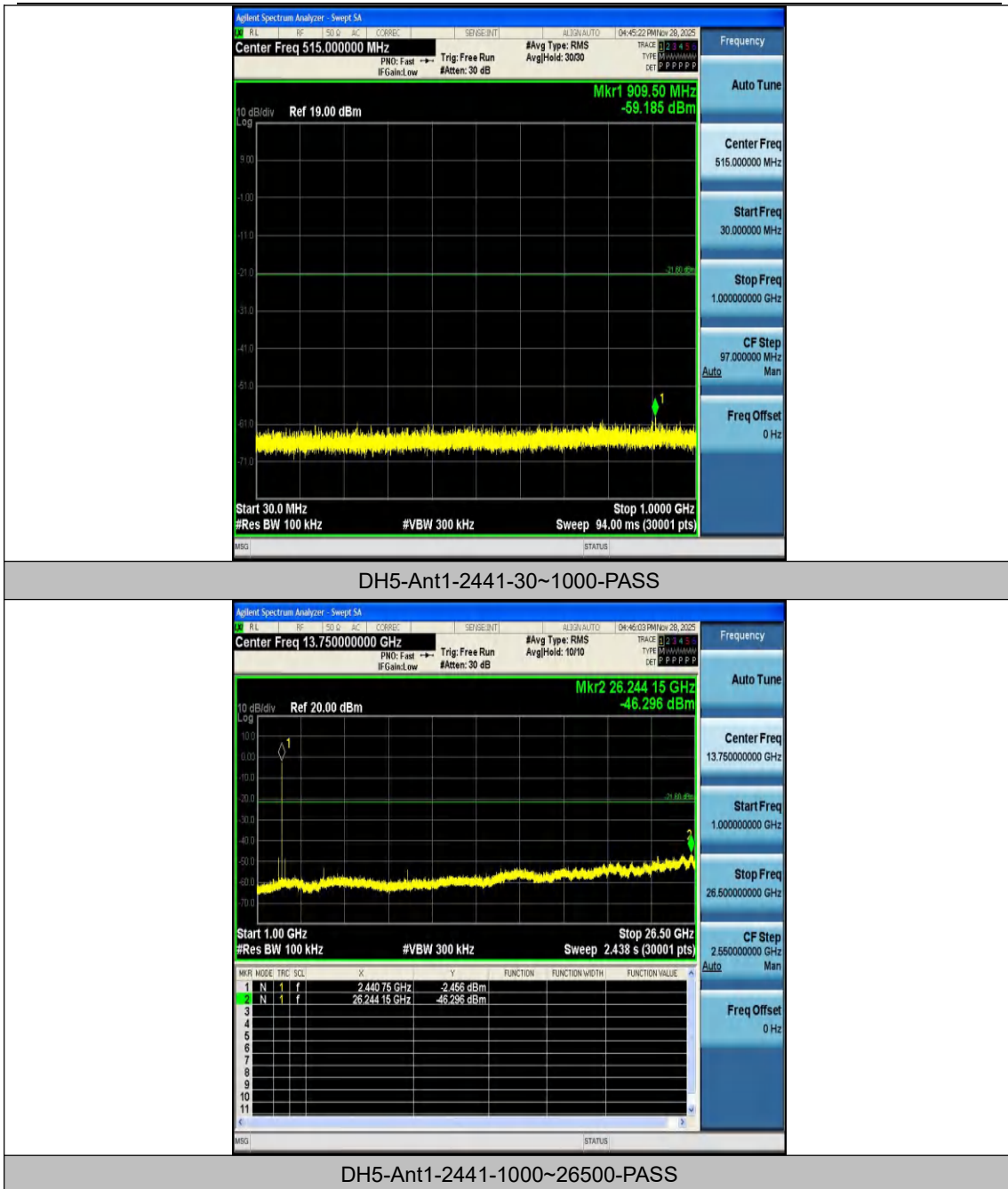
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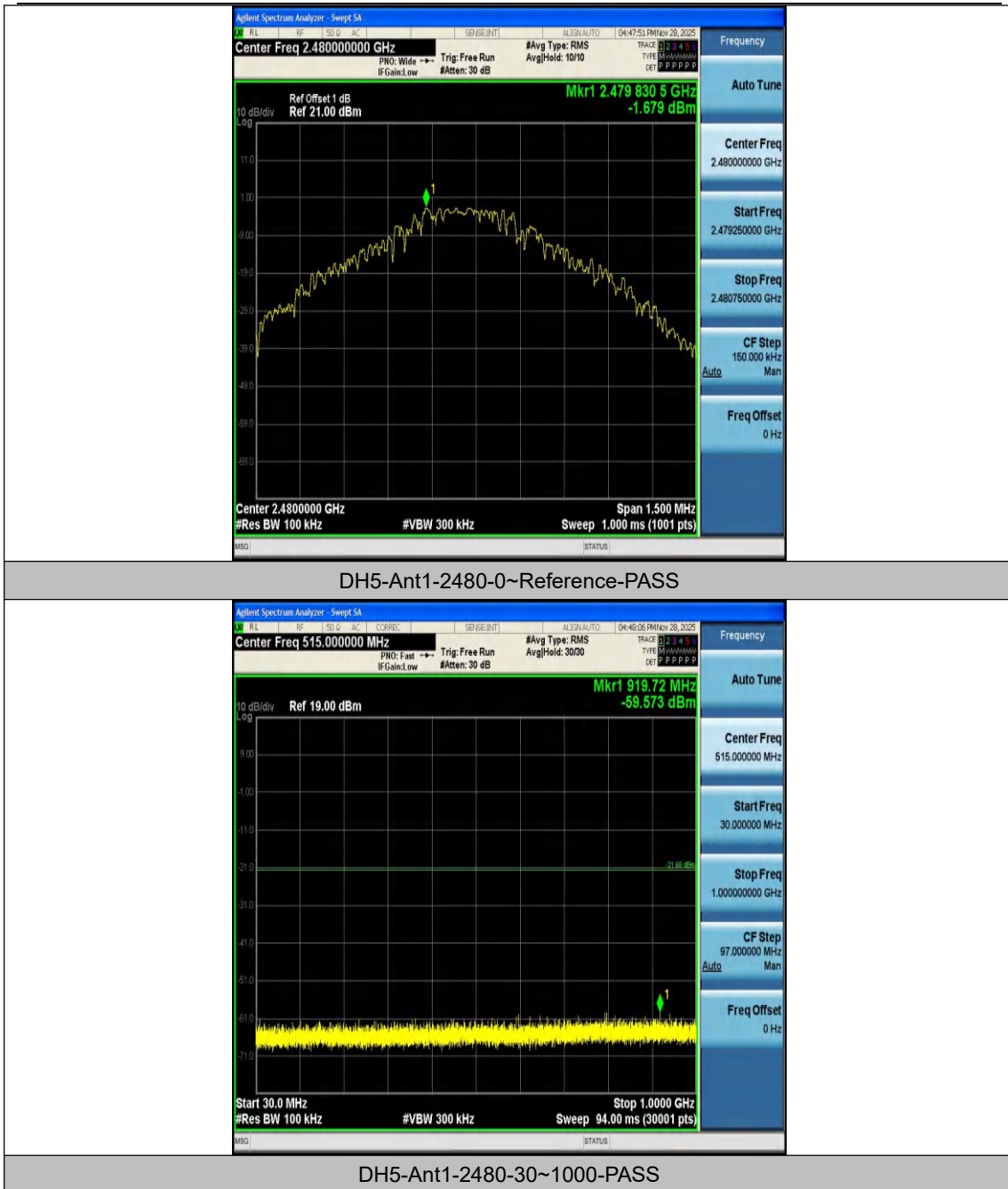
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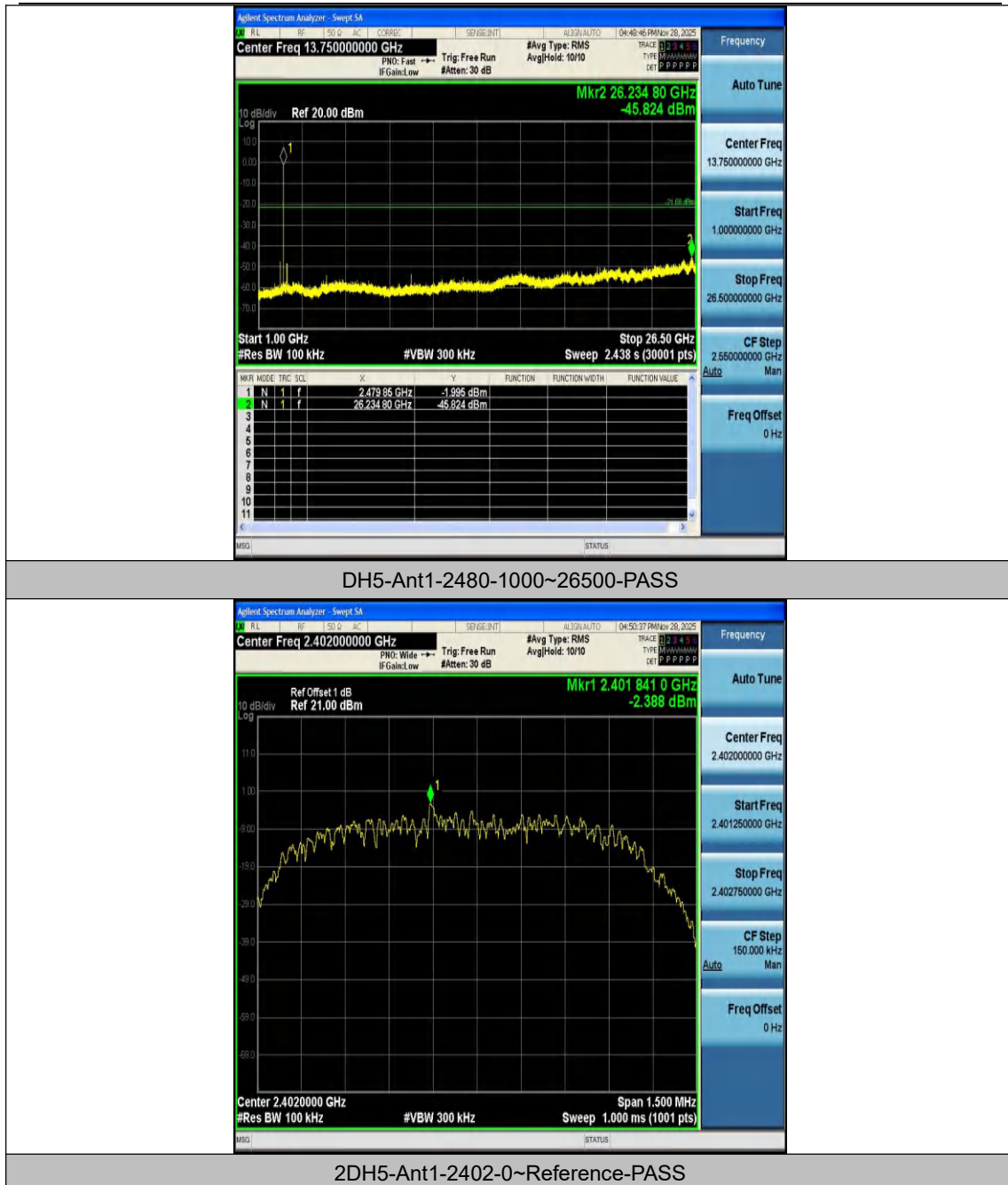
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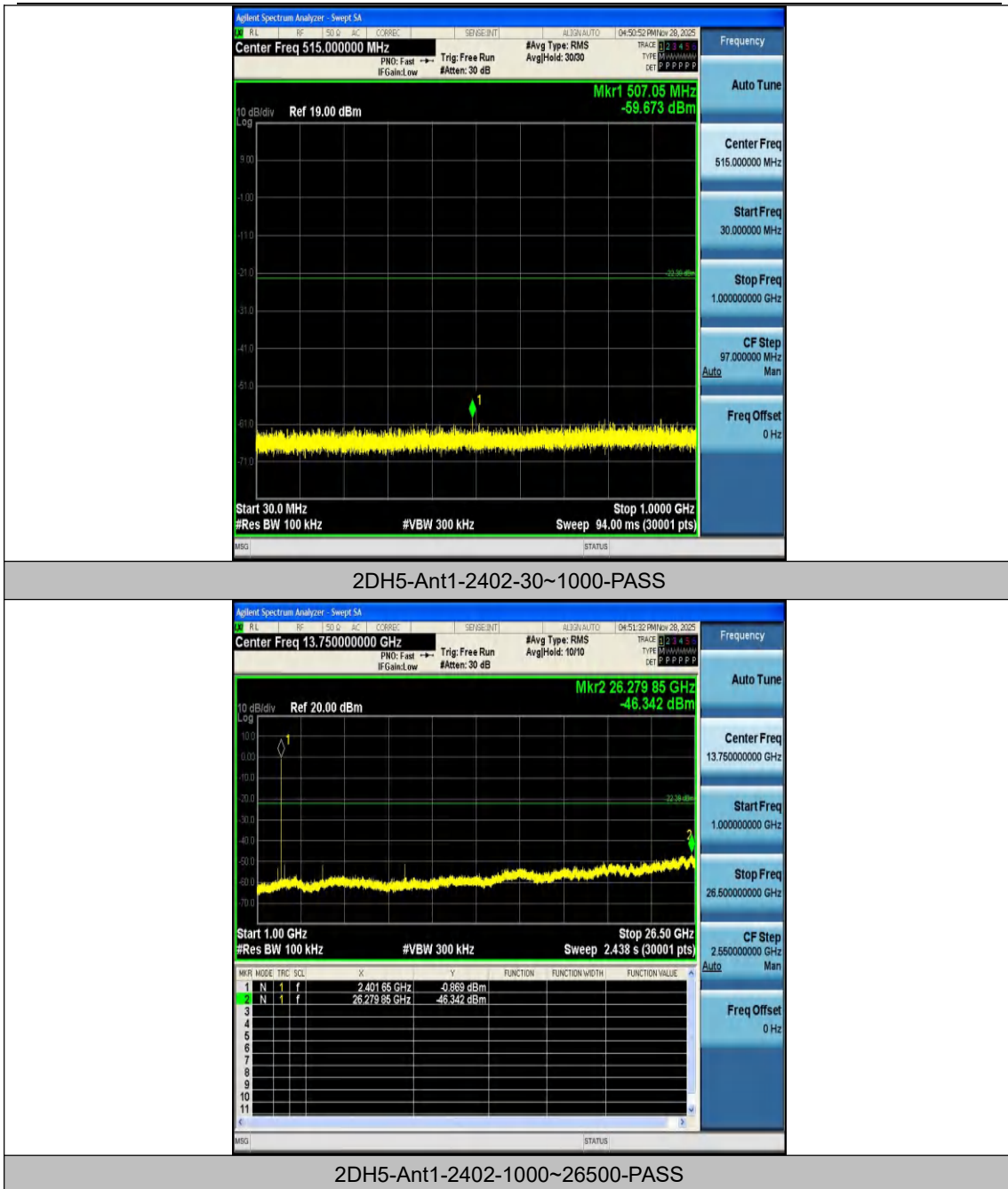
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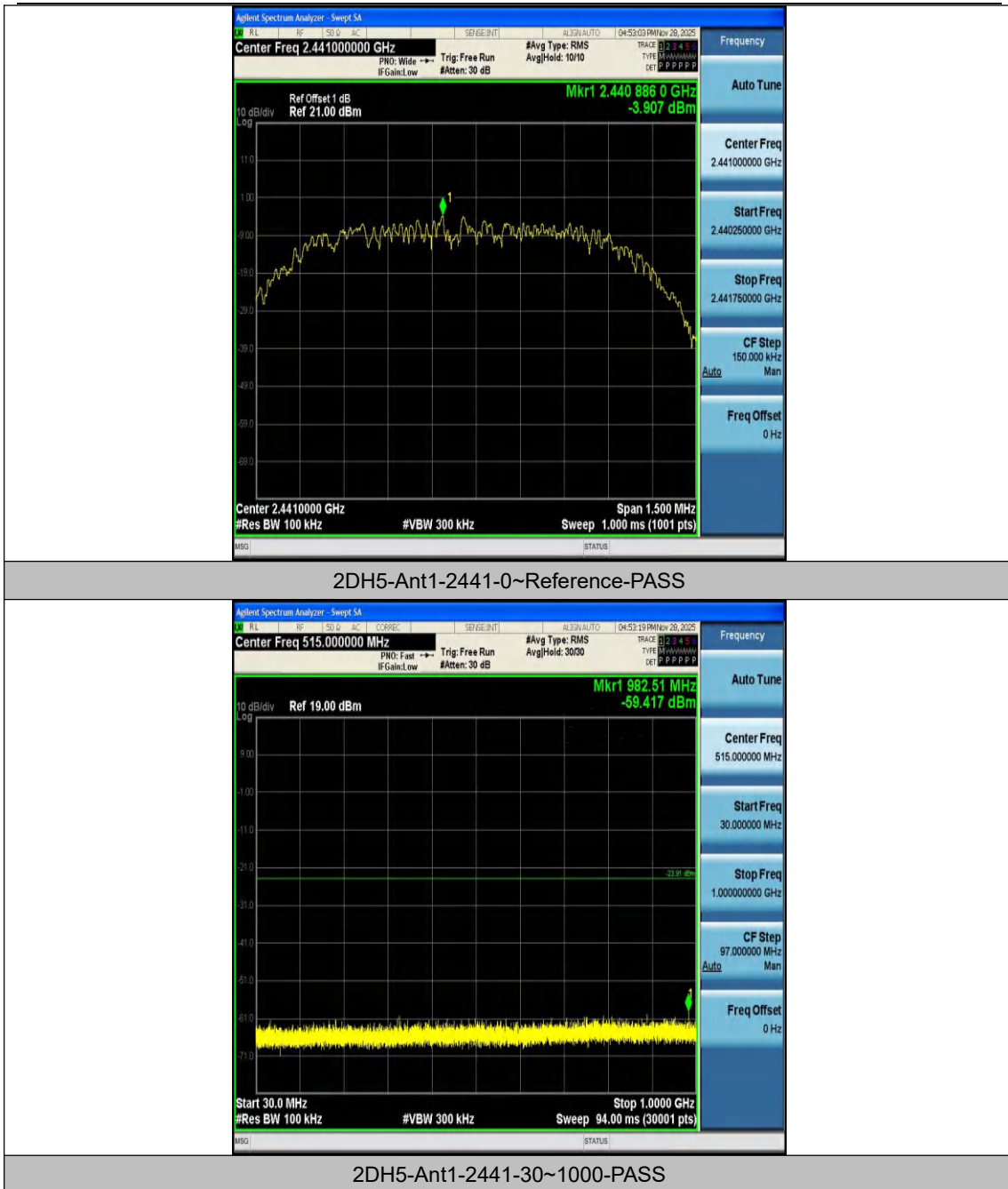


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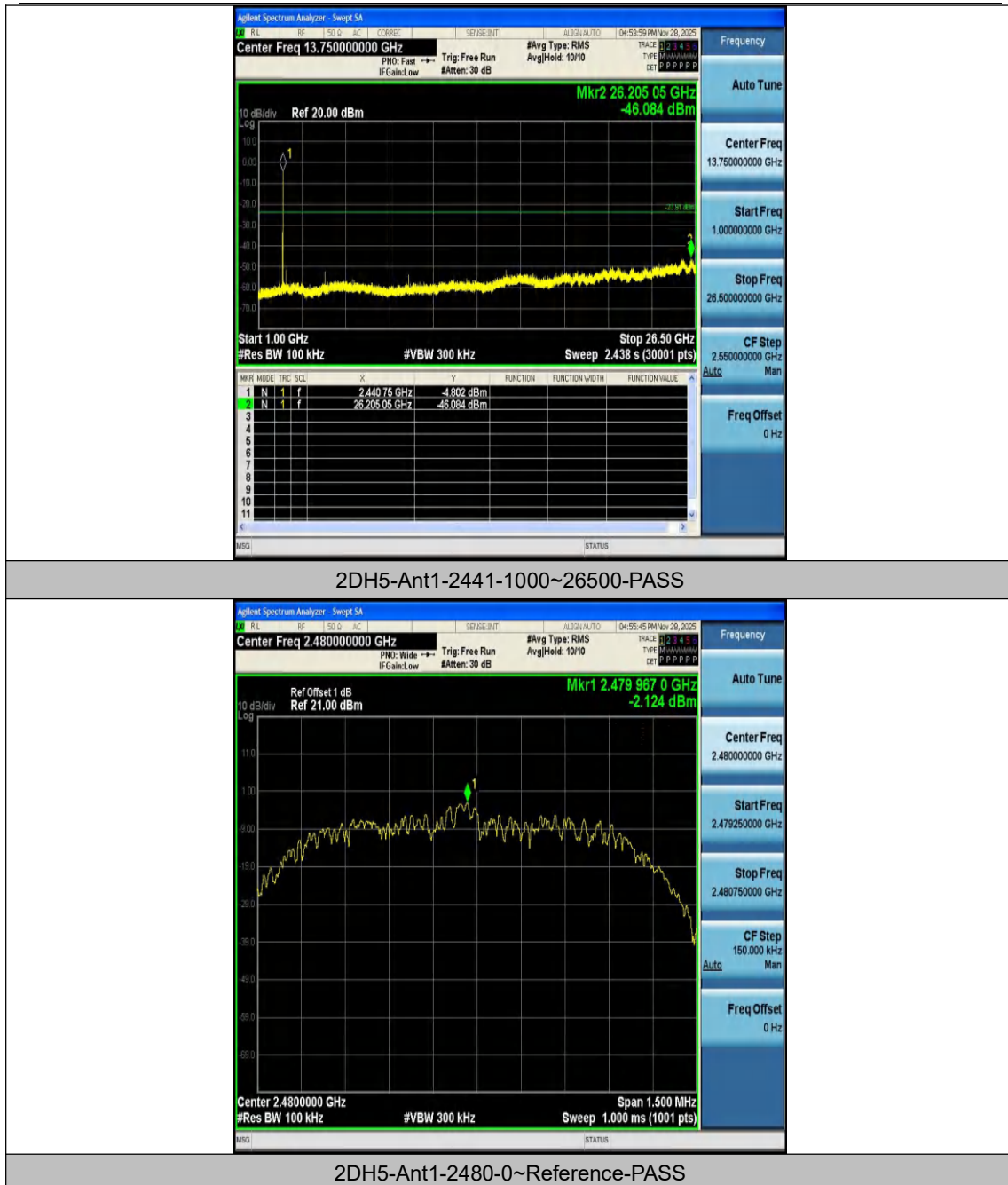


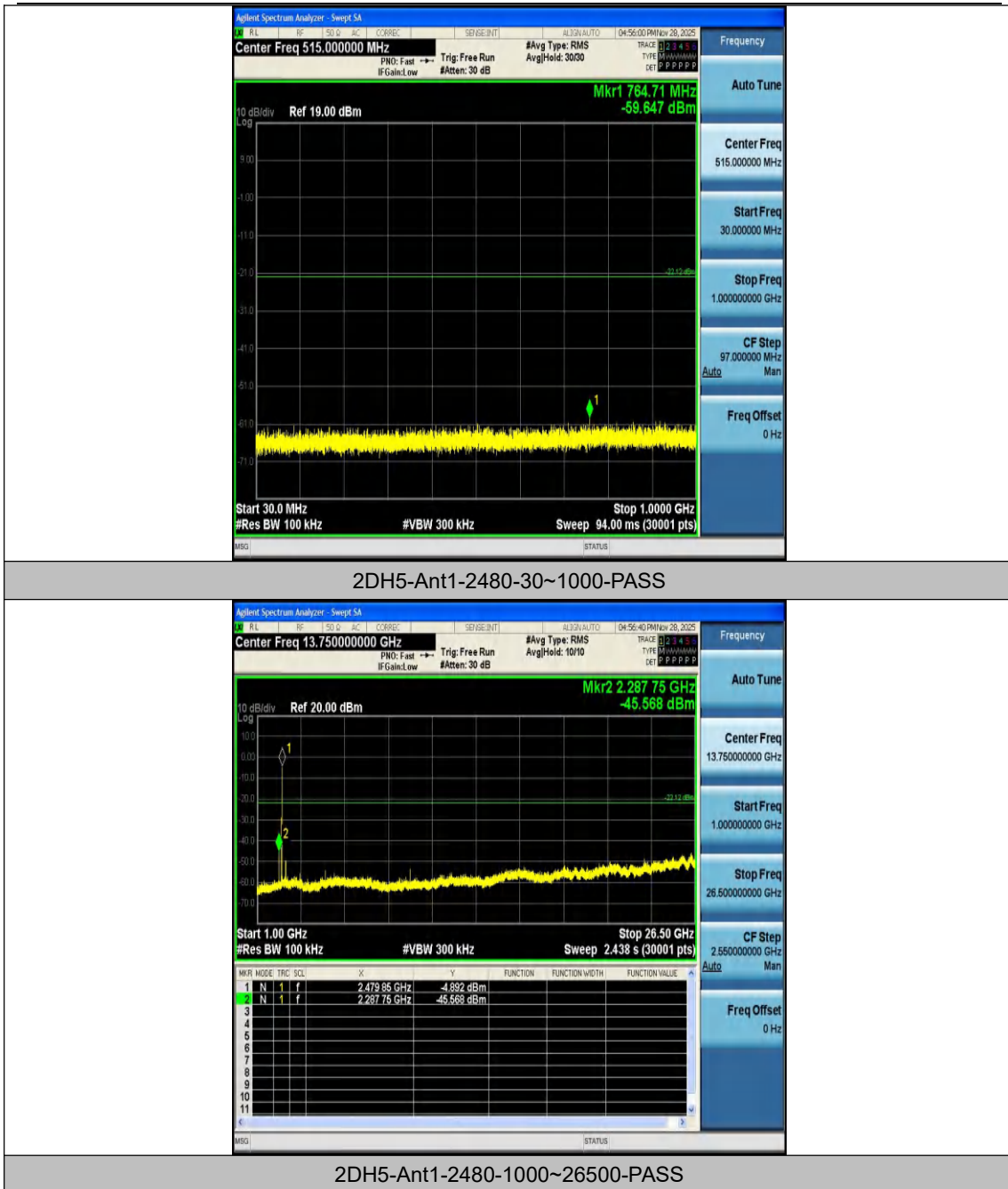


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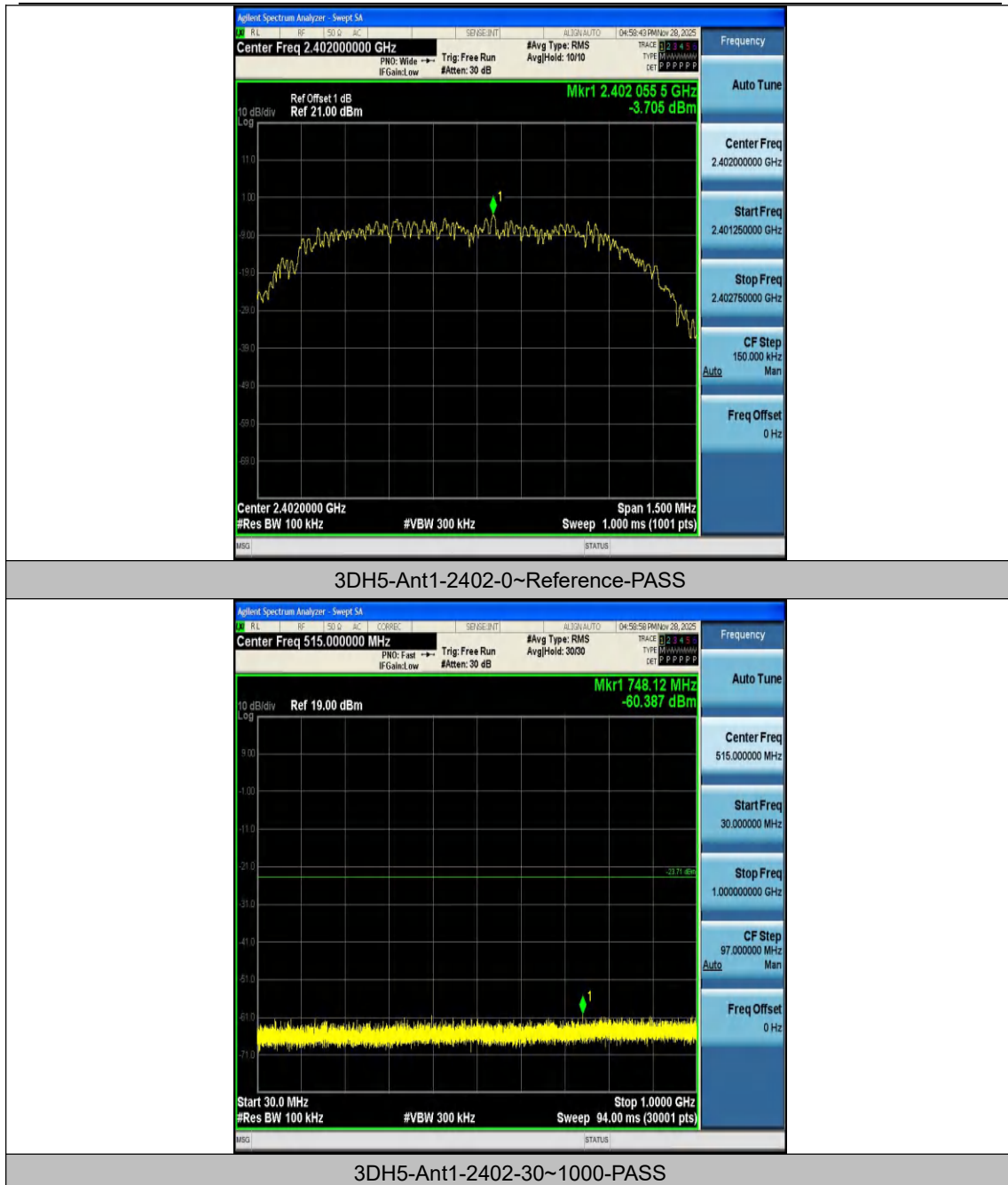




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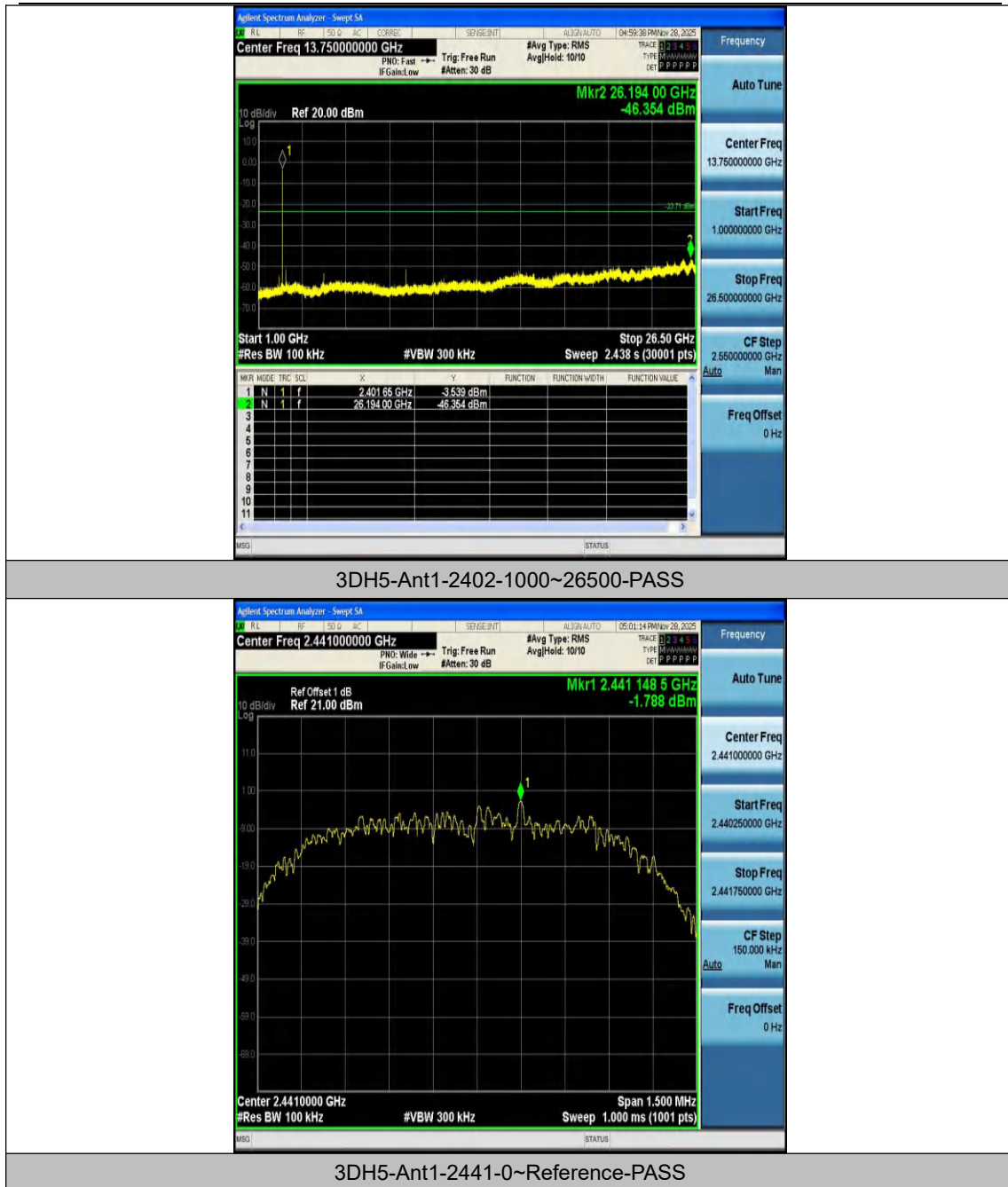
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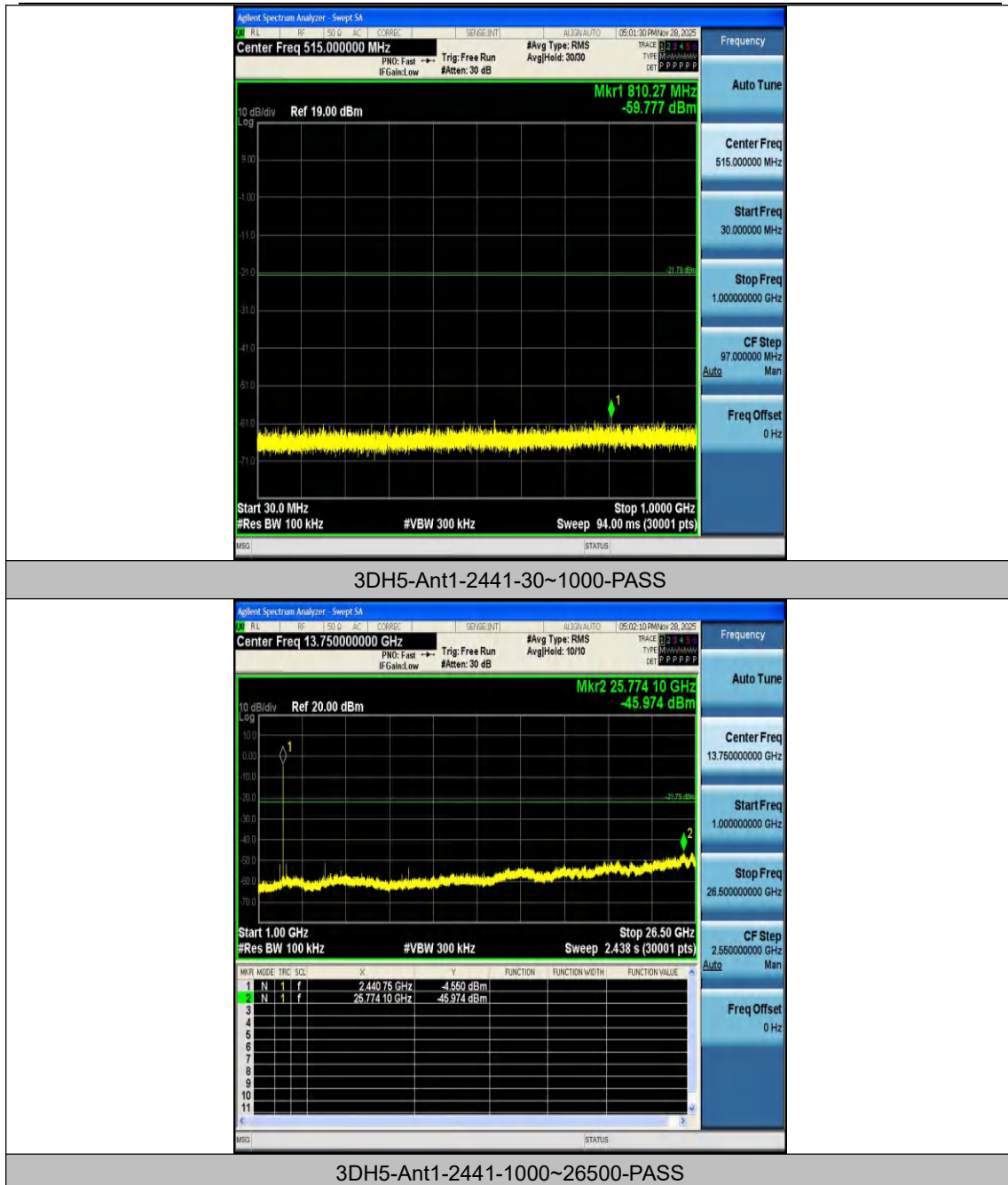
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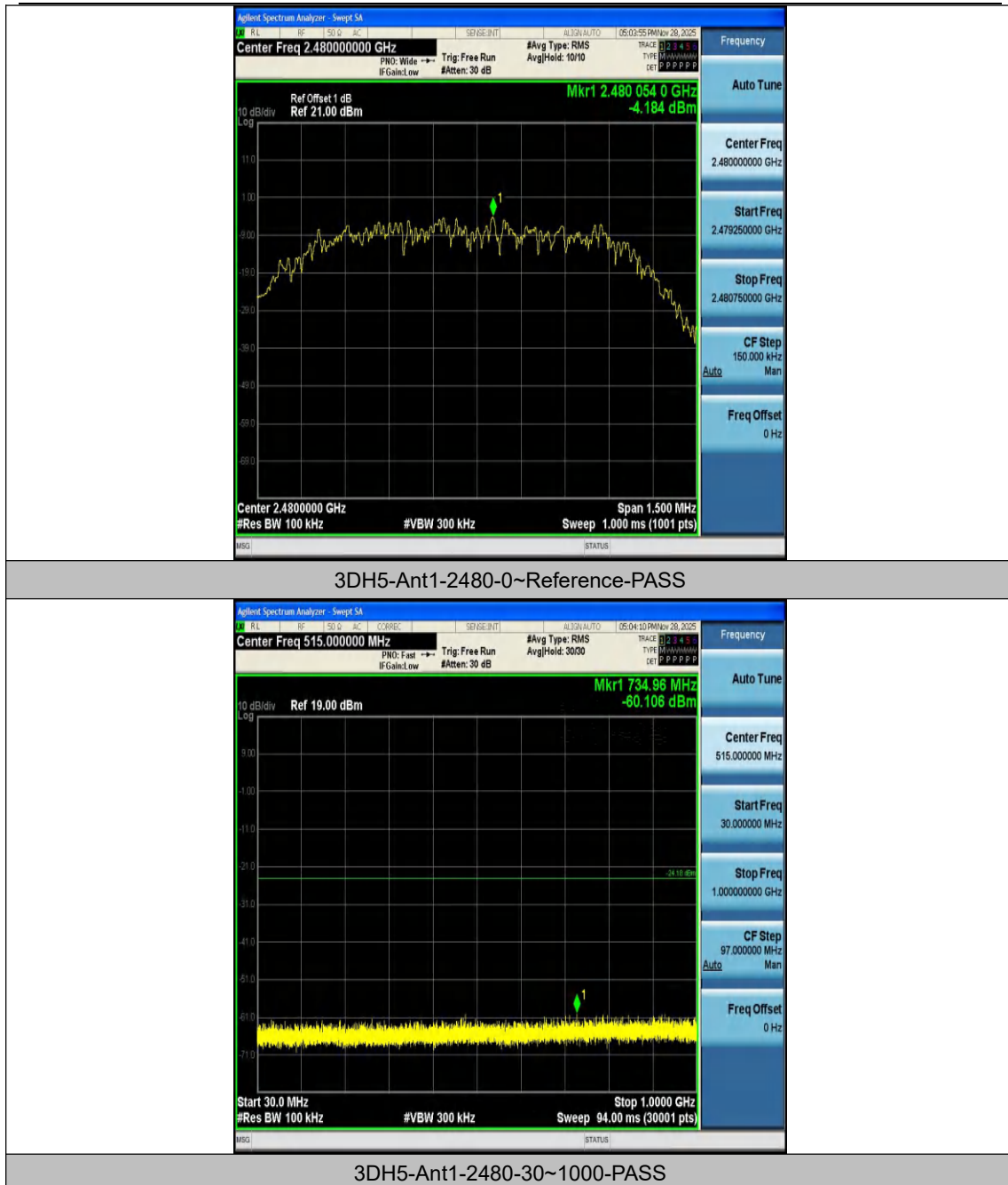


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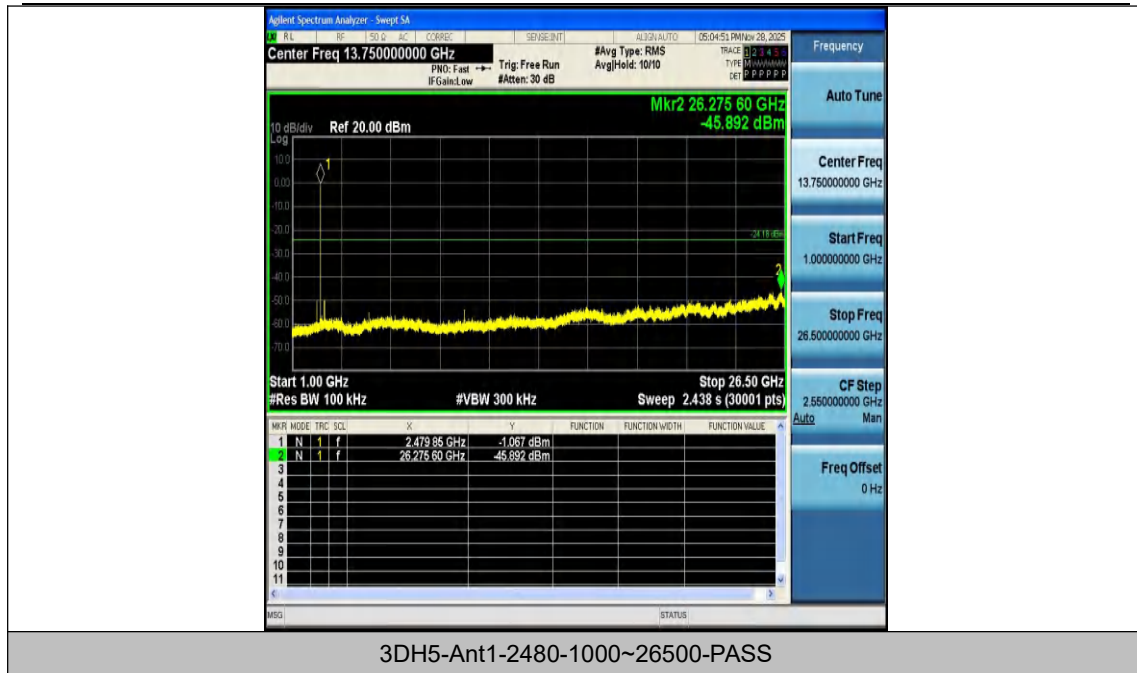




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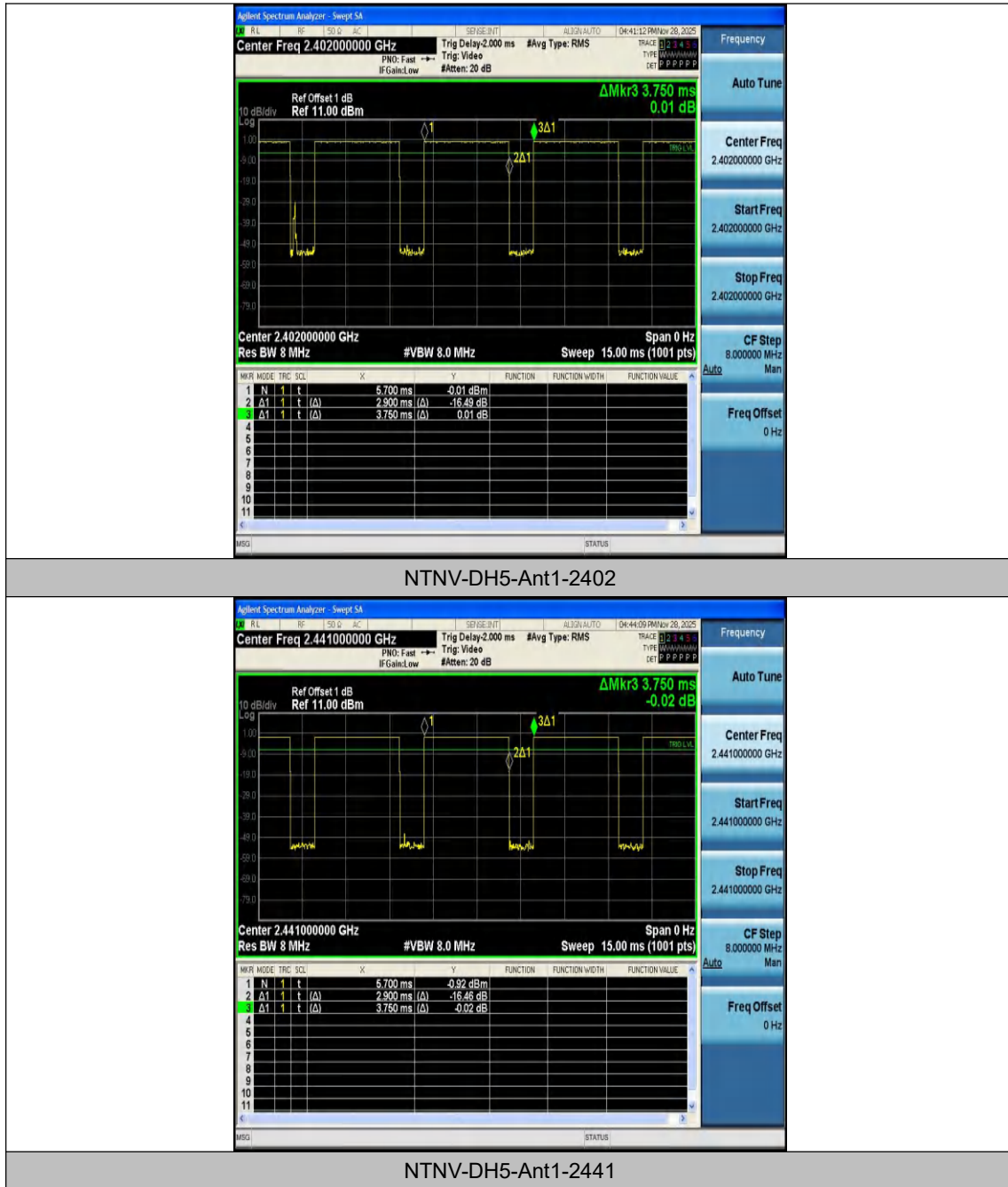
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Appendix I: Duty Cycle

Test Result

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

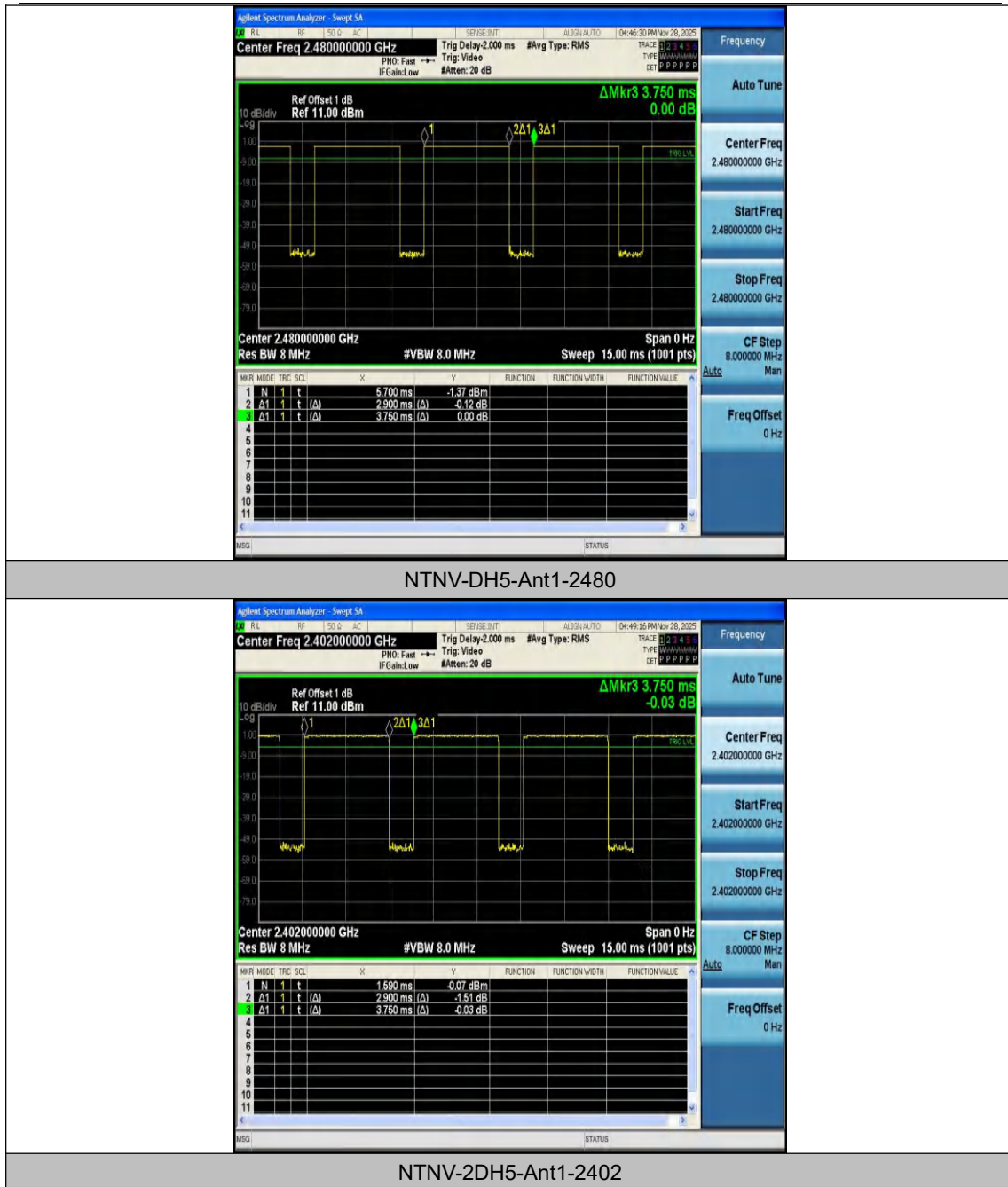
Test Graphs

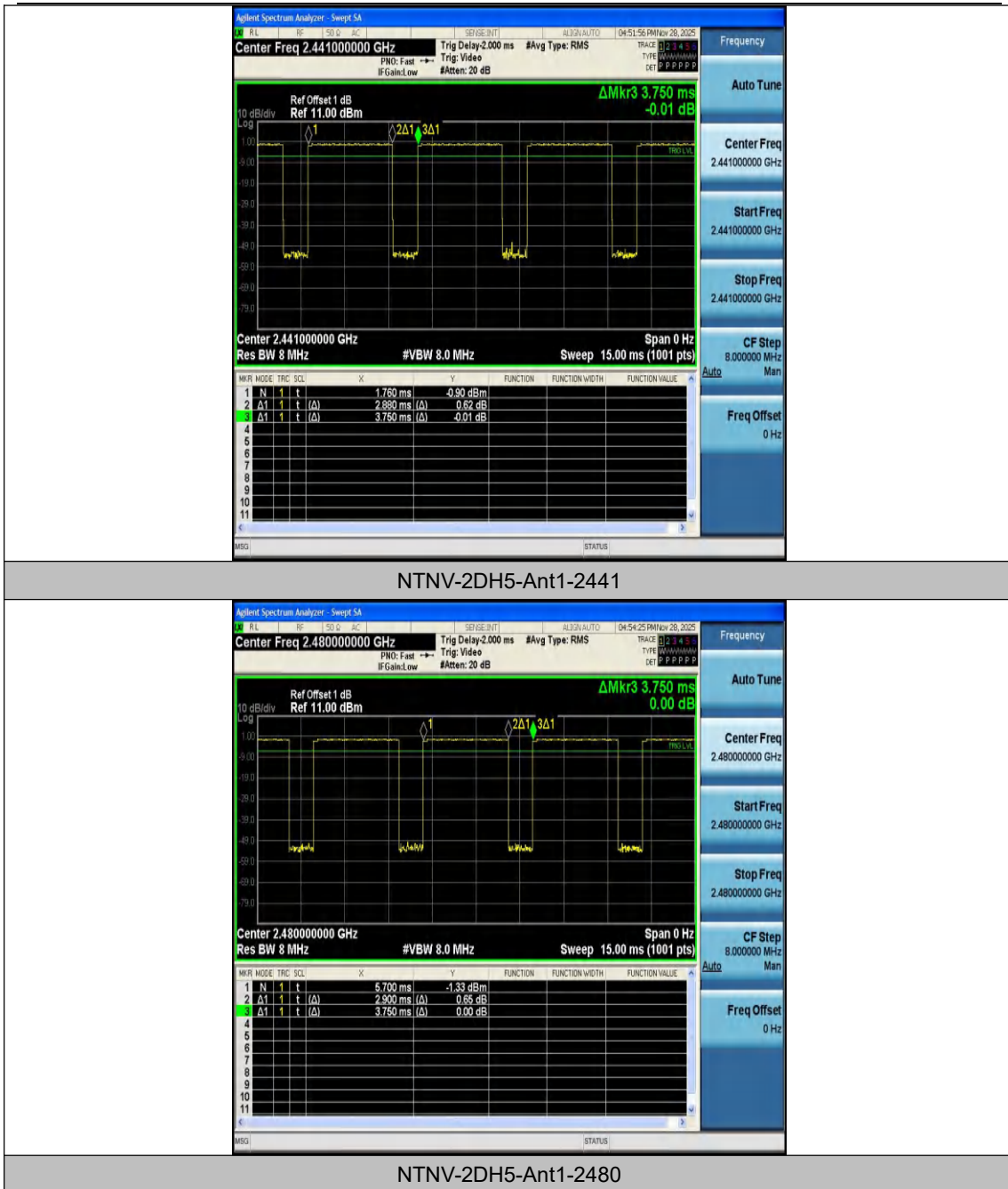


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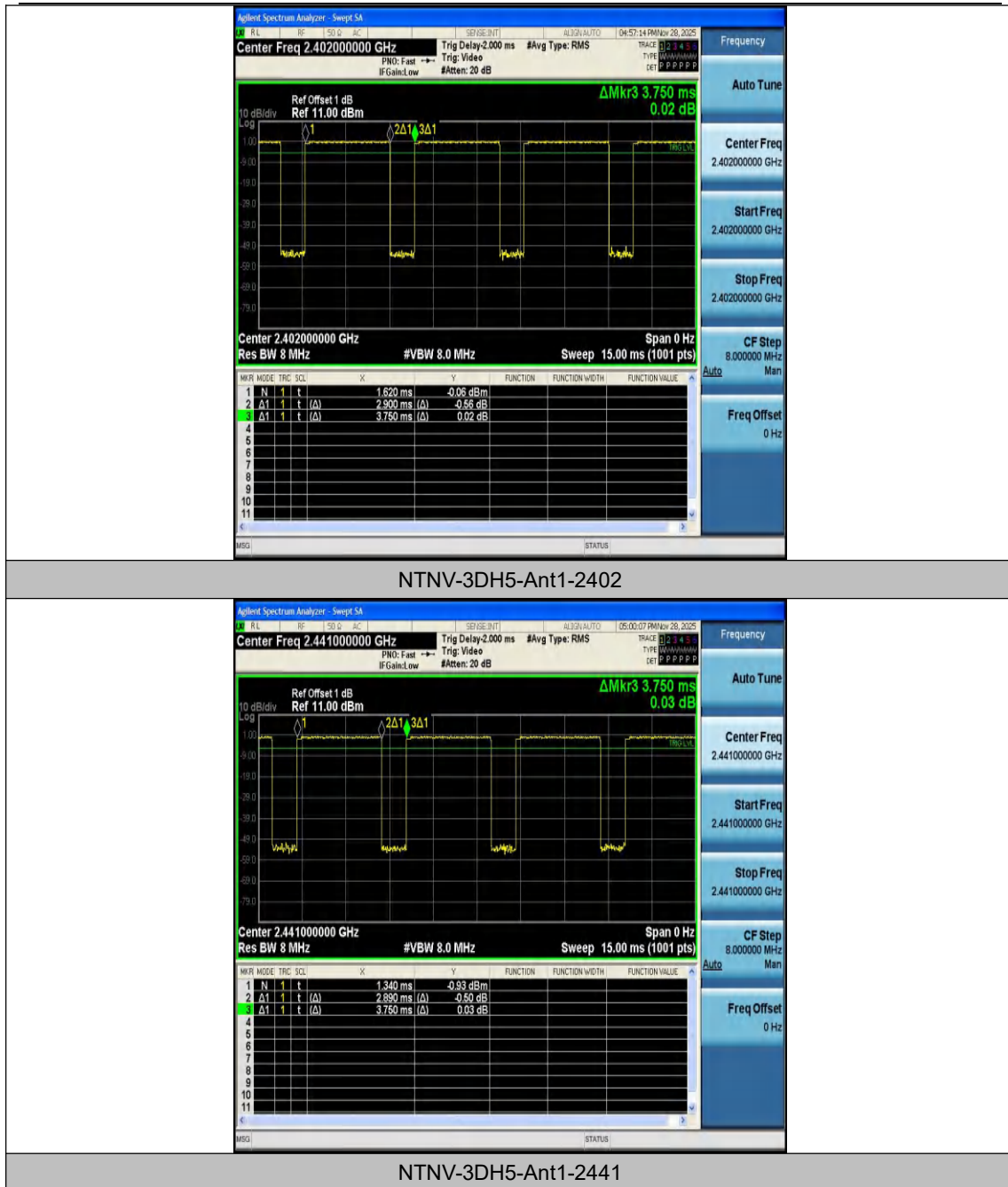




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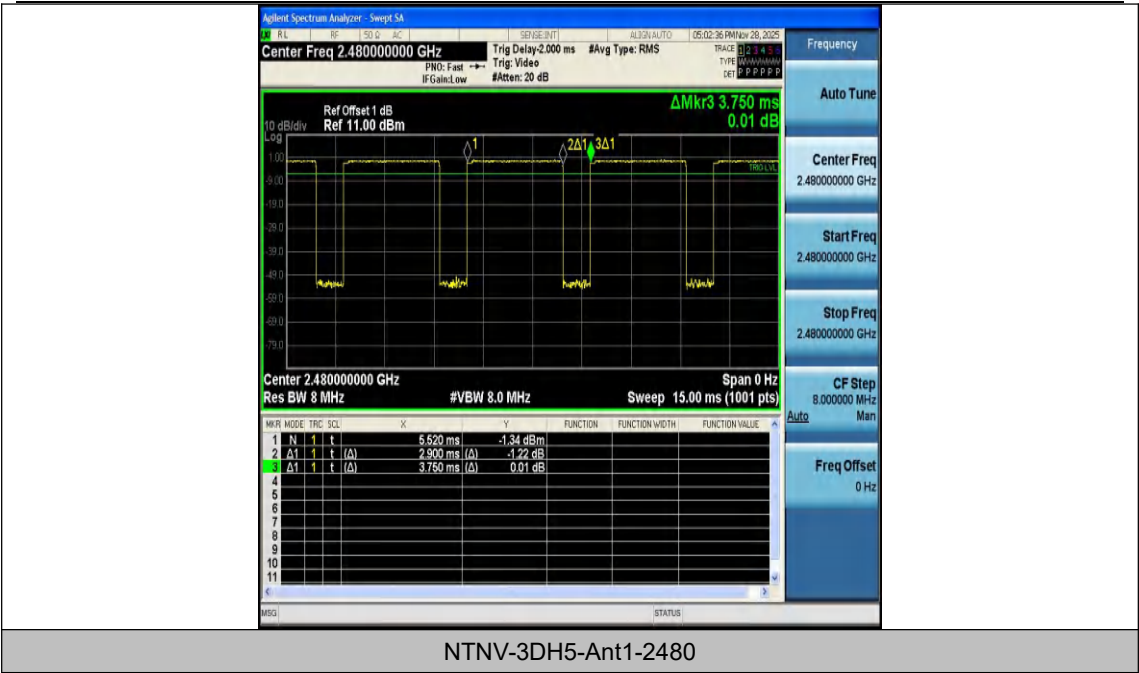
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NTNV-3DH5-Ant1-2480

---End---