

Appendix Test Data

Report No.:	1812C50616812501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-17
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	51%
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	0.825	2401.562	2402.387	---	---
DH5	Ant1	2441	0.825	2440.556	2441.381	---	---
DH5	Ant1	2480	0.819	2479.556	2480.375	---	---
2DH5	Ant1	2402	1.122	2401.424	2402.546	---	---
2DH5	Ant1	2441	1.116	2440.424	2441.540	---	---
2DH5	Ant1	2480	1.122	2479.424	2480.546	---	---
3DH5	Ant1	2402	1.107	2401.433	2402.540	---	---
3DH5	Ant1	2441	1.113	2440.430	2441.543	---	---
3DH5	Ant1	2480	1.104	2479.439	2480.543	---	---

Test Graphs



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3DH5-Ant1-2480

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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	0.85535	2401.5717	2402.4270	---	---
DH5	Ant1	2441	0.83756	2440.5666	2441.4041	---	---
DH5	Ant1	2480	0.85851	2479.5710	2480.4295	---	---
2DH5	Ant1	2402	1.0443	2401.4581	2402.5024	---	---
2DH5	Ant1	2441	1.0443	2440.4593	2441.5036	---	---
2DH5	Ant1	2480	1.0491	2479.4607	2480.5098	---	---
3DH5	Ant1	2402	1.0602	2401.4583	2402.5185	---	---
3DH5	Ant1	2441	1.0445	2440.4665	2441.5110	---	---
3DH5	Ant1	2480	1.0442	2479.4628	2480.5070	---	---

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	-1.04	≤20.97	PASS
DH5	Ant1	2441	-0.41	≤20.97	PASS
DH5	Ant1	2480	-0.04	≤20.97	PASS
2DH5	Ant1	2402	-1.70	≤20.97	PASS
2DH5	Ant1	2441	-1.03	≤20.97	PASS
2DH5	Ant1	2480	-0.65	≤20.97	PASS
3DH5	Ant1	2402	-1.66	≤20.97	PASS
3DH5	Ant1	2441	-1.01	≤20.97	PASS
3DH5	Ant1	2480	-0.67	≤20.97	PASS

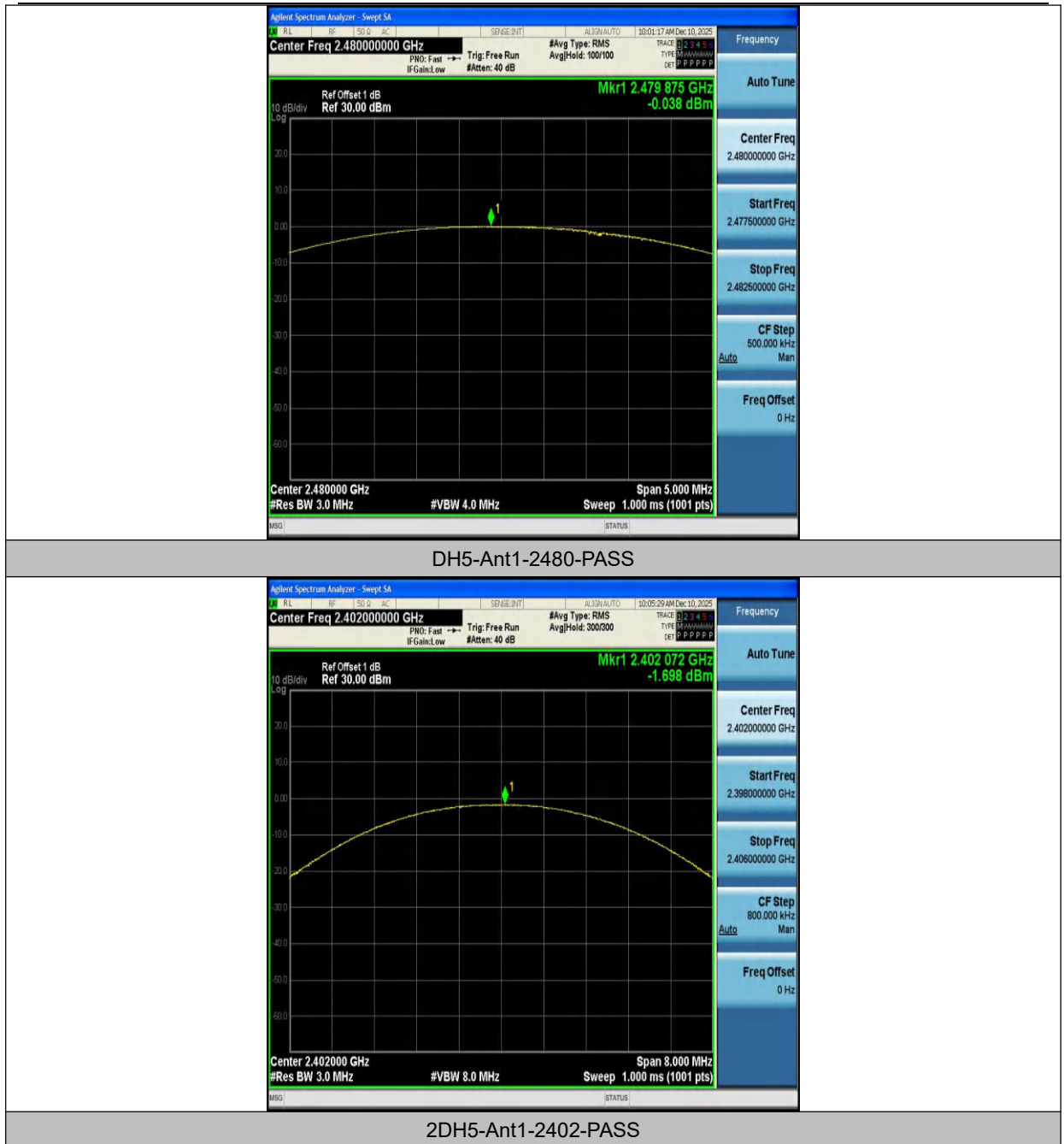
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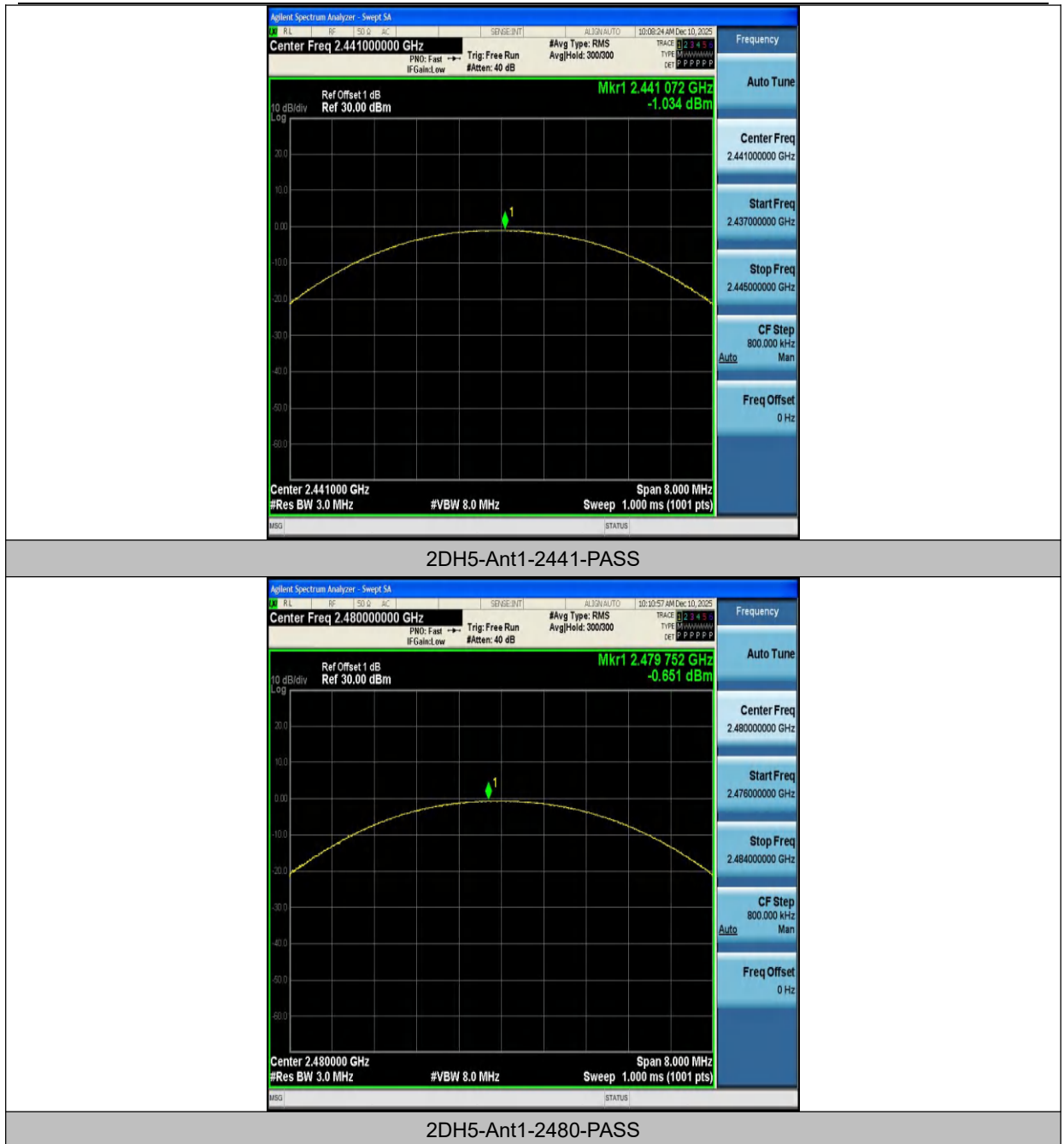
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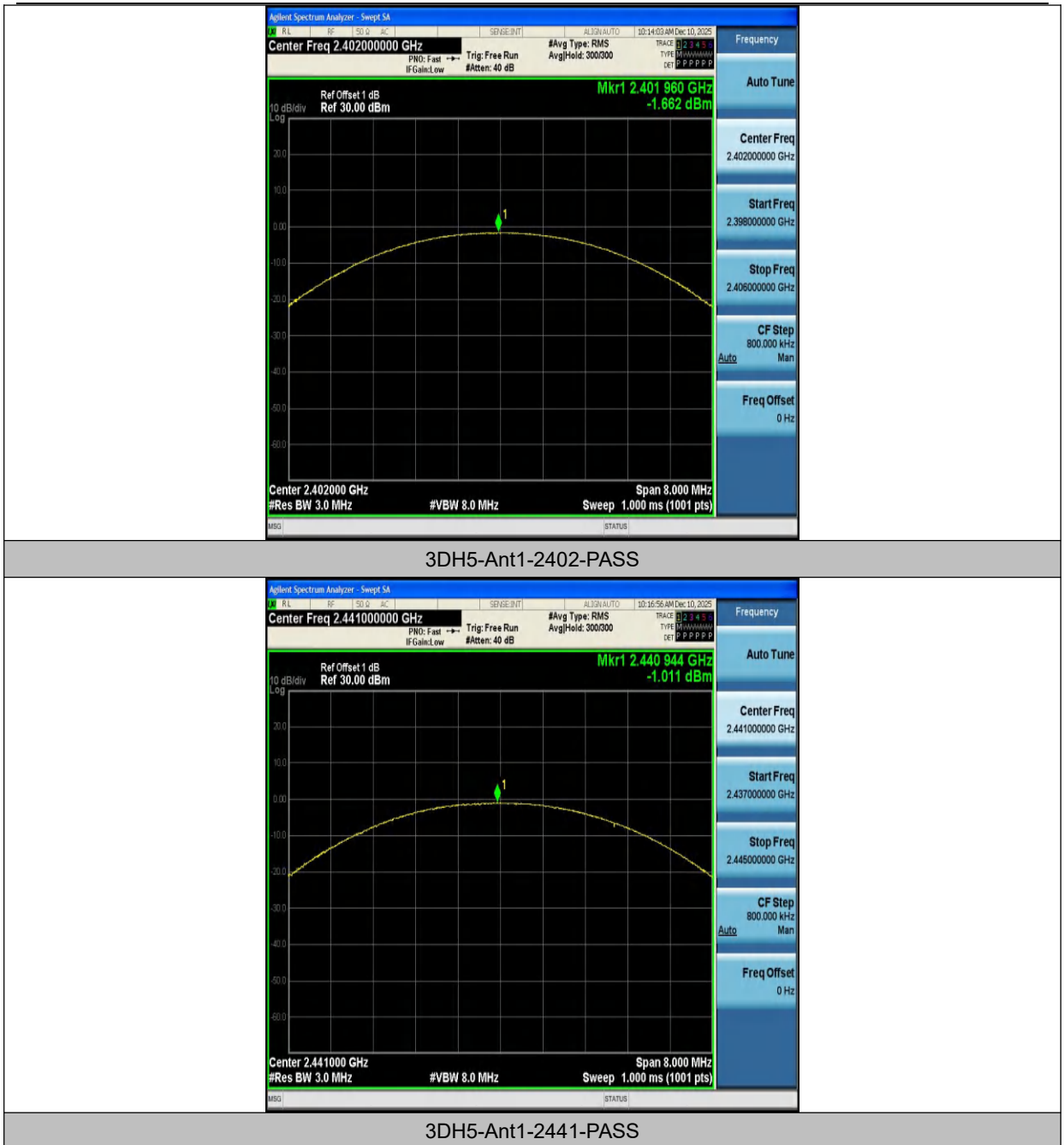
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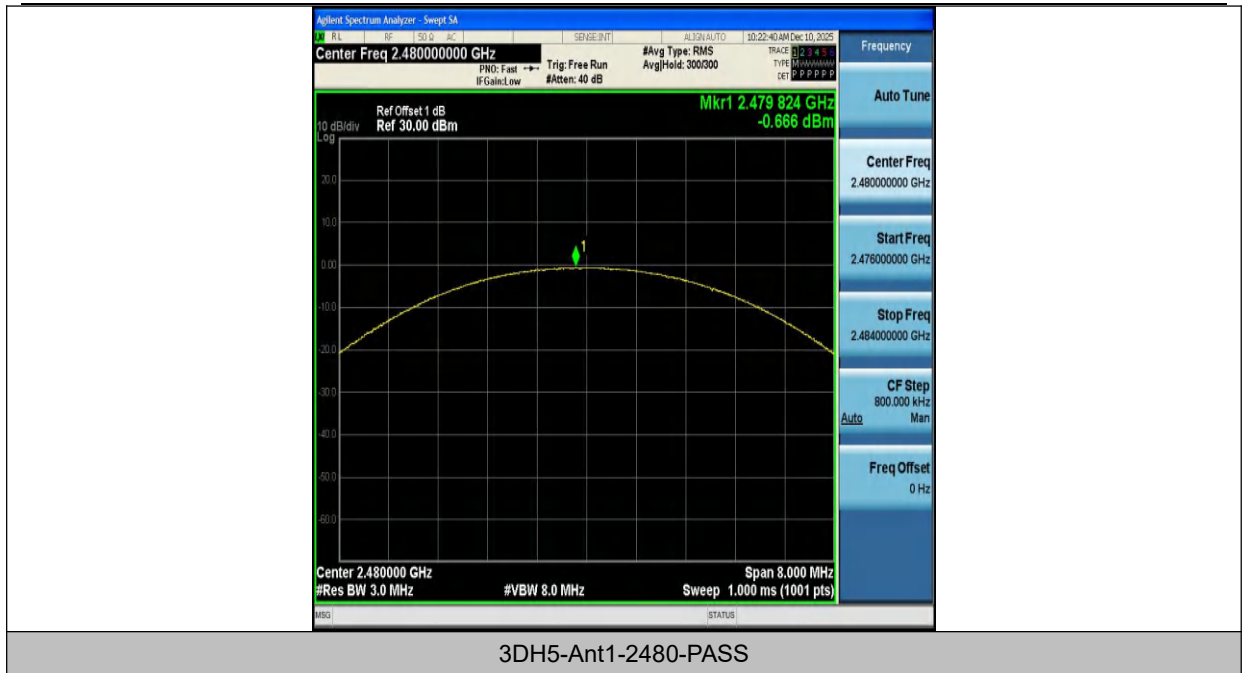
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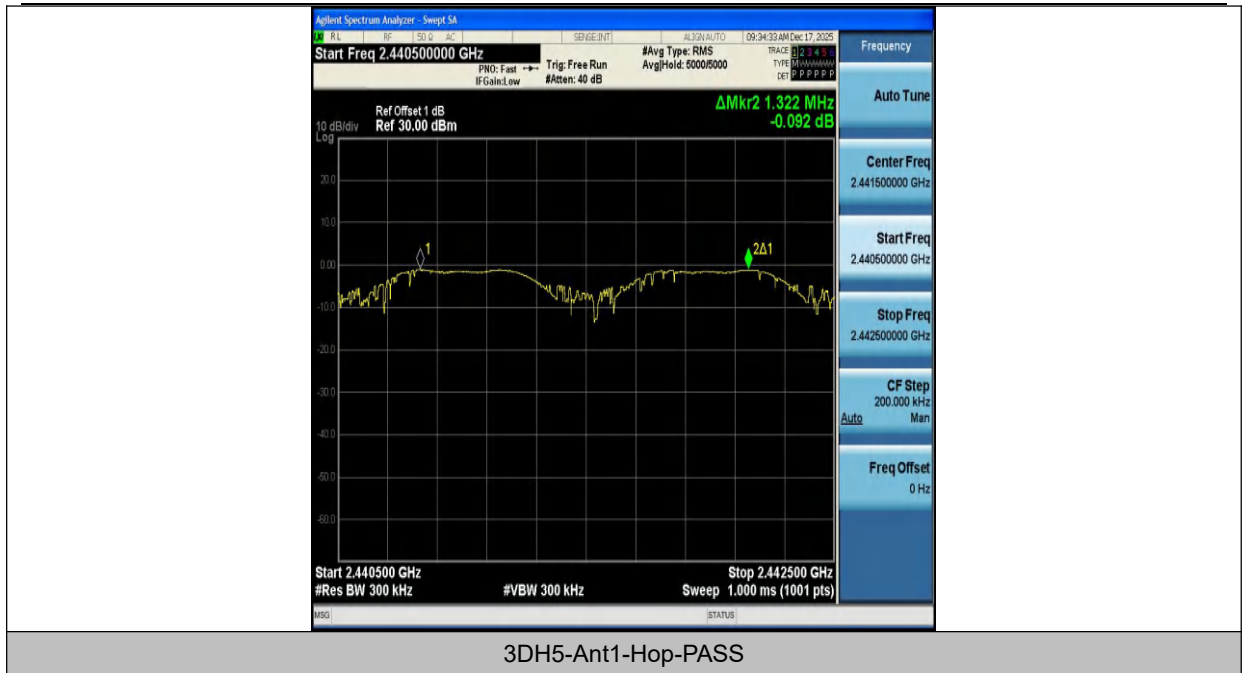
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.550	PASS
2DH5	Ant1	Hop	1.022	≥0.748	PASS
3DH5	Ant1	Hop	1.322	≥0.742	PASS

Test Graphs





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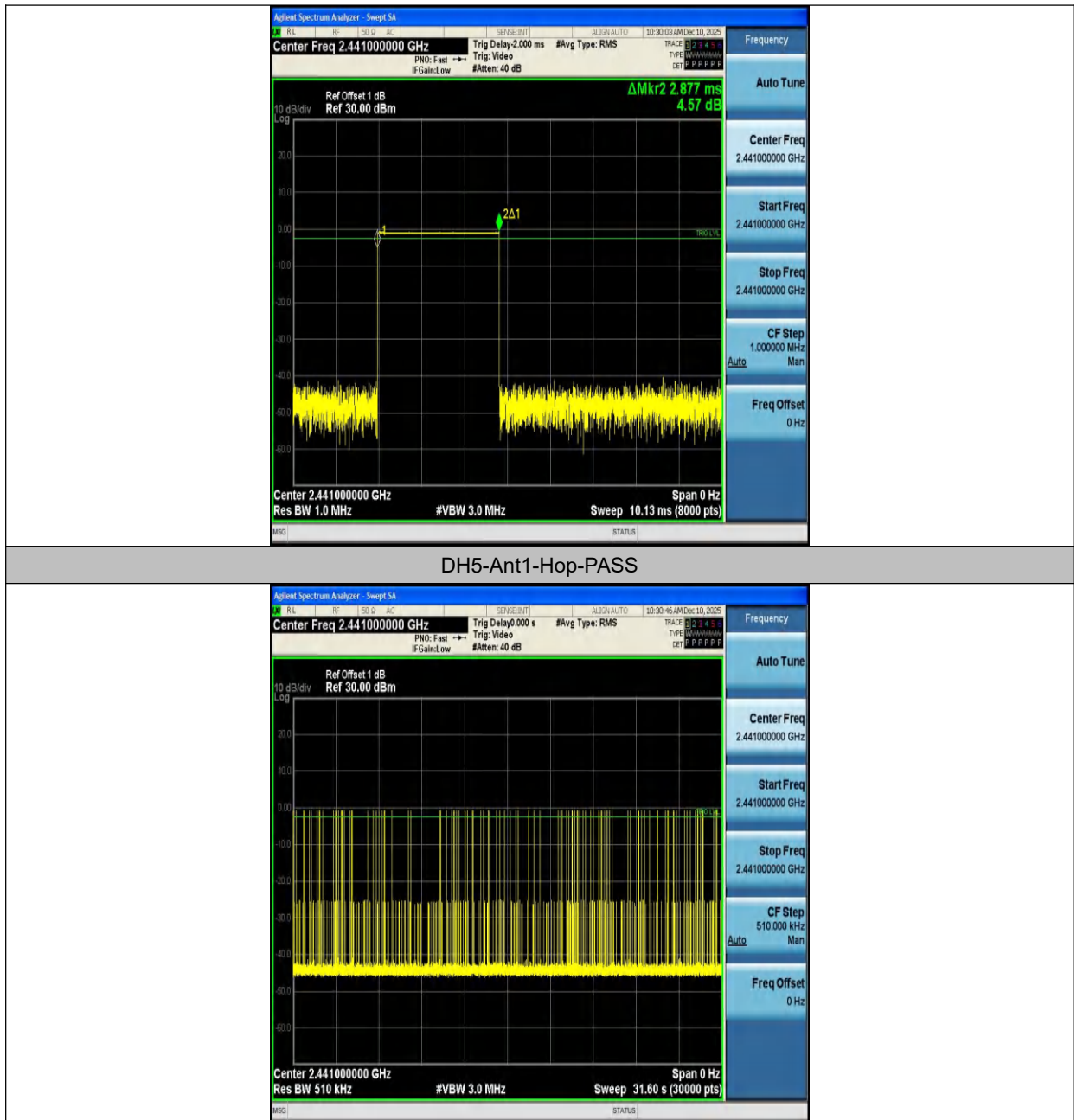
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.877	103	0.296	≤0.4	PASS
2DH5	Ant1	Hop	2.882	109	0.314	≤0.4	PASS
3DH5	Ant1	Hop	2.884	108	0.311	≤0.4	PASS

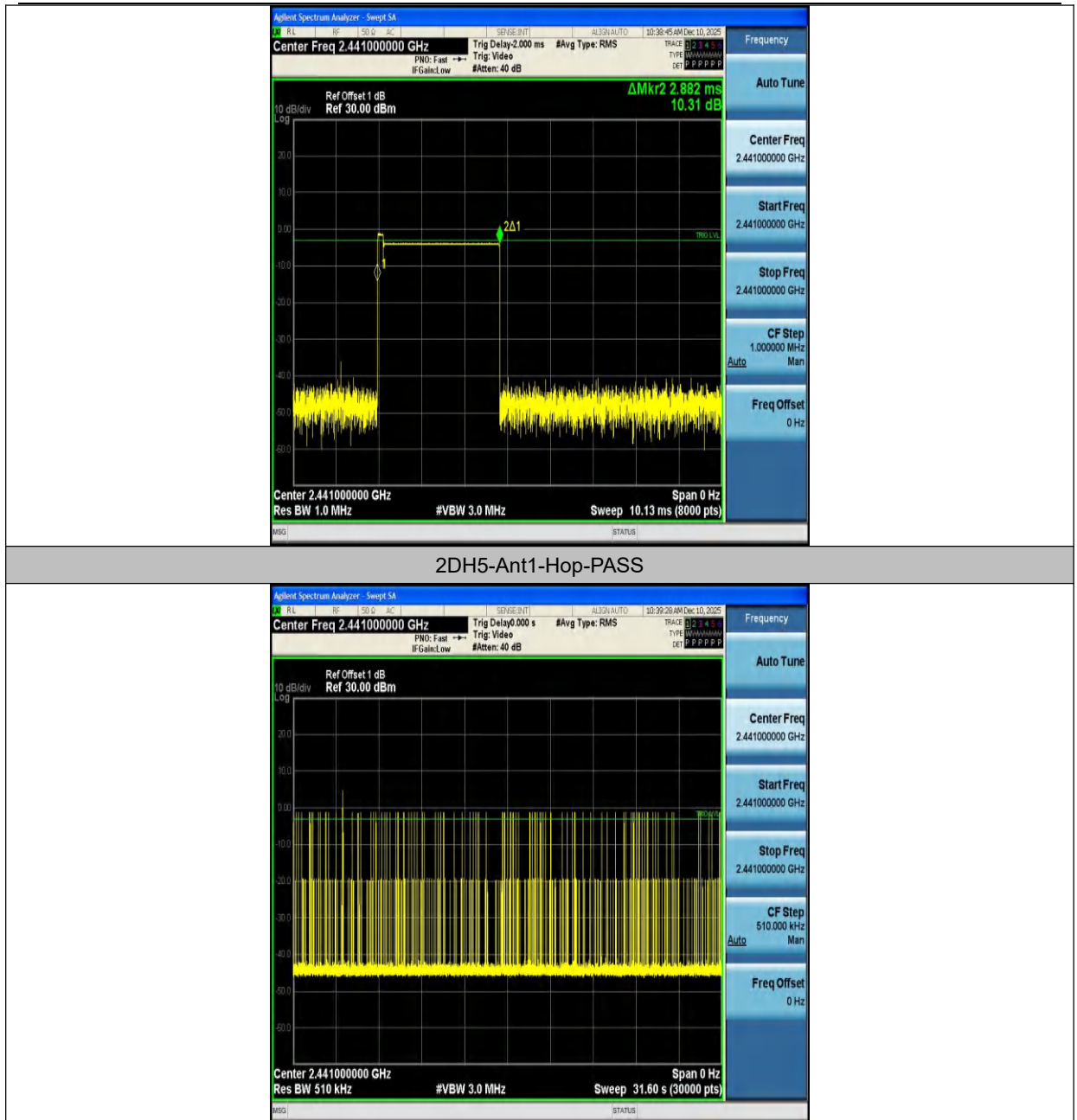
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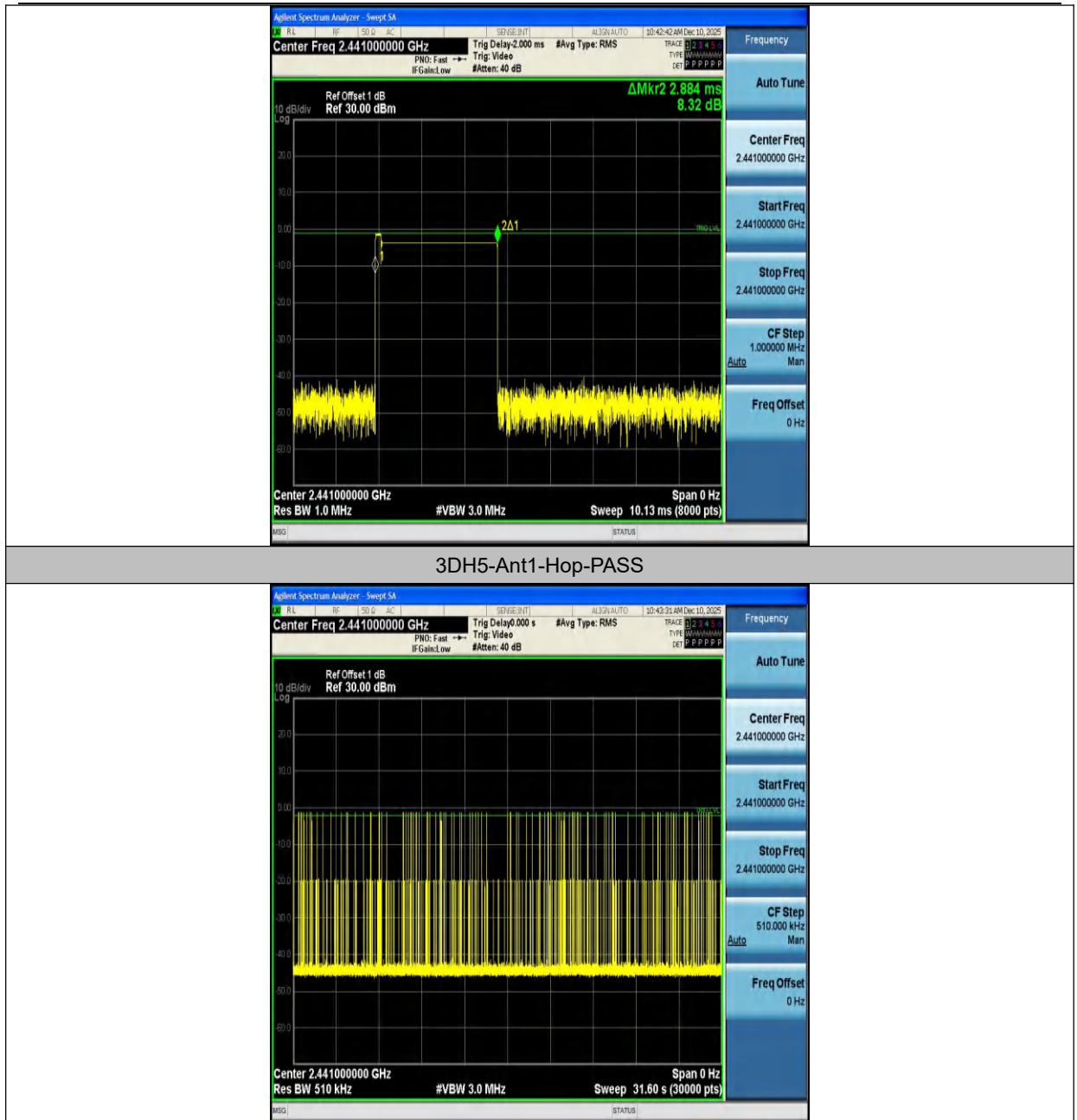
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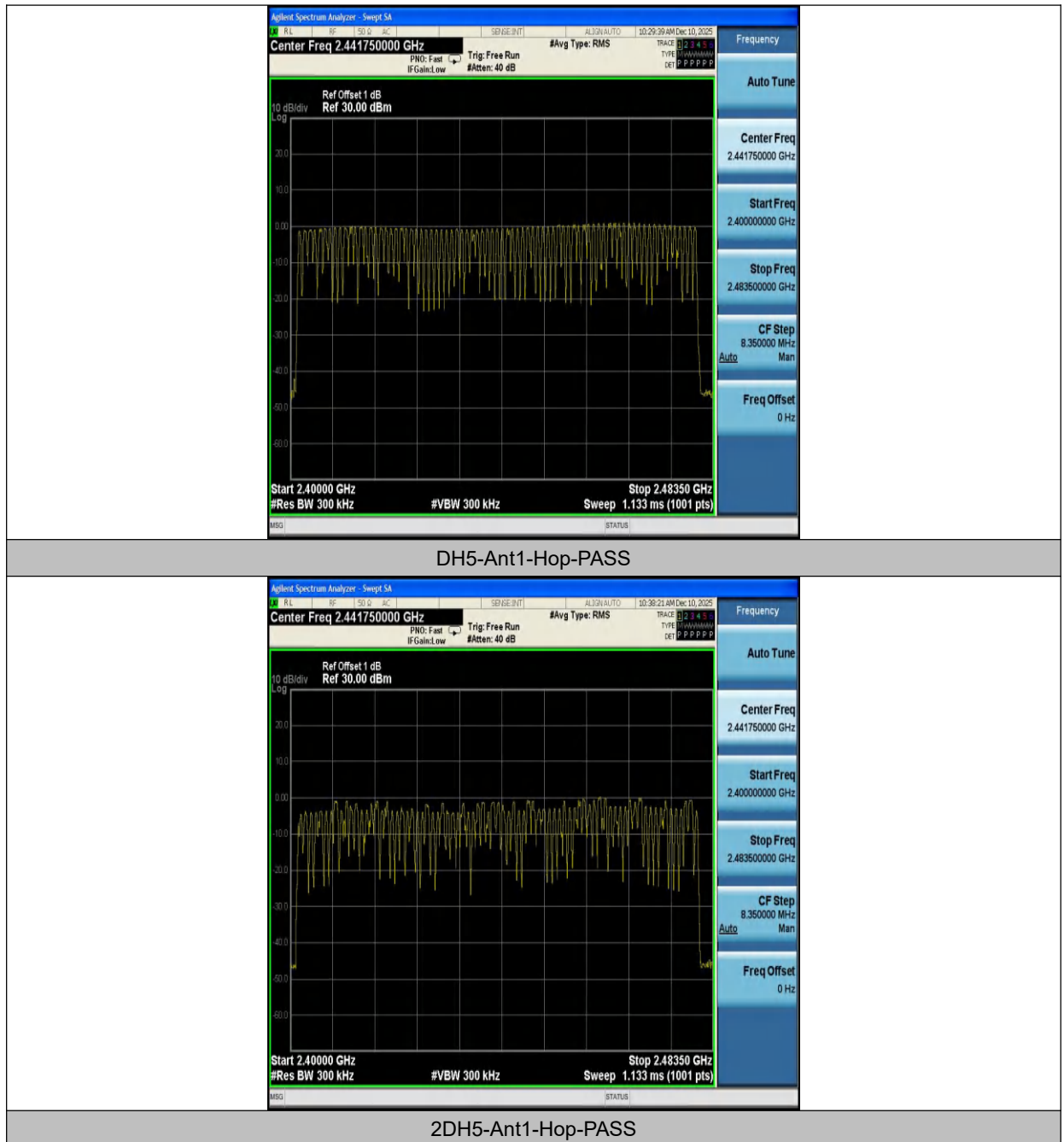
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Appendix F: Number of Hopping Channel

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

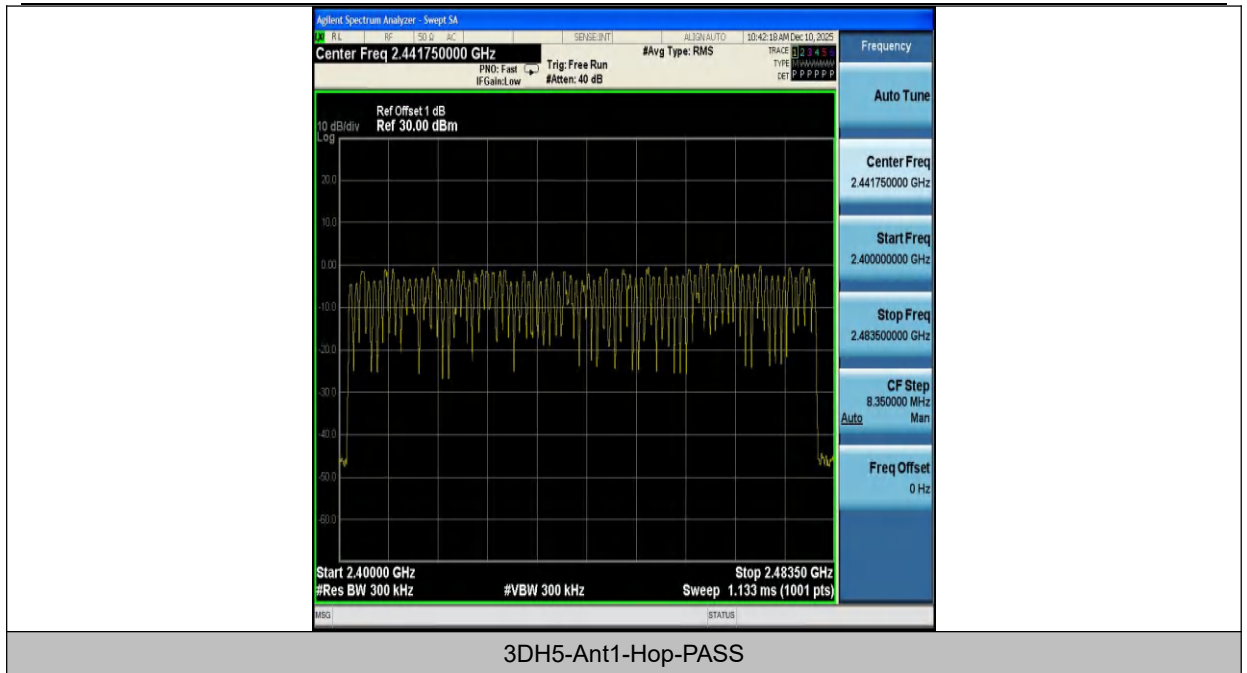
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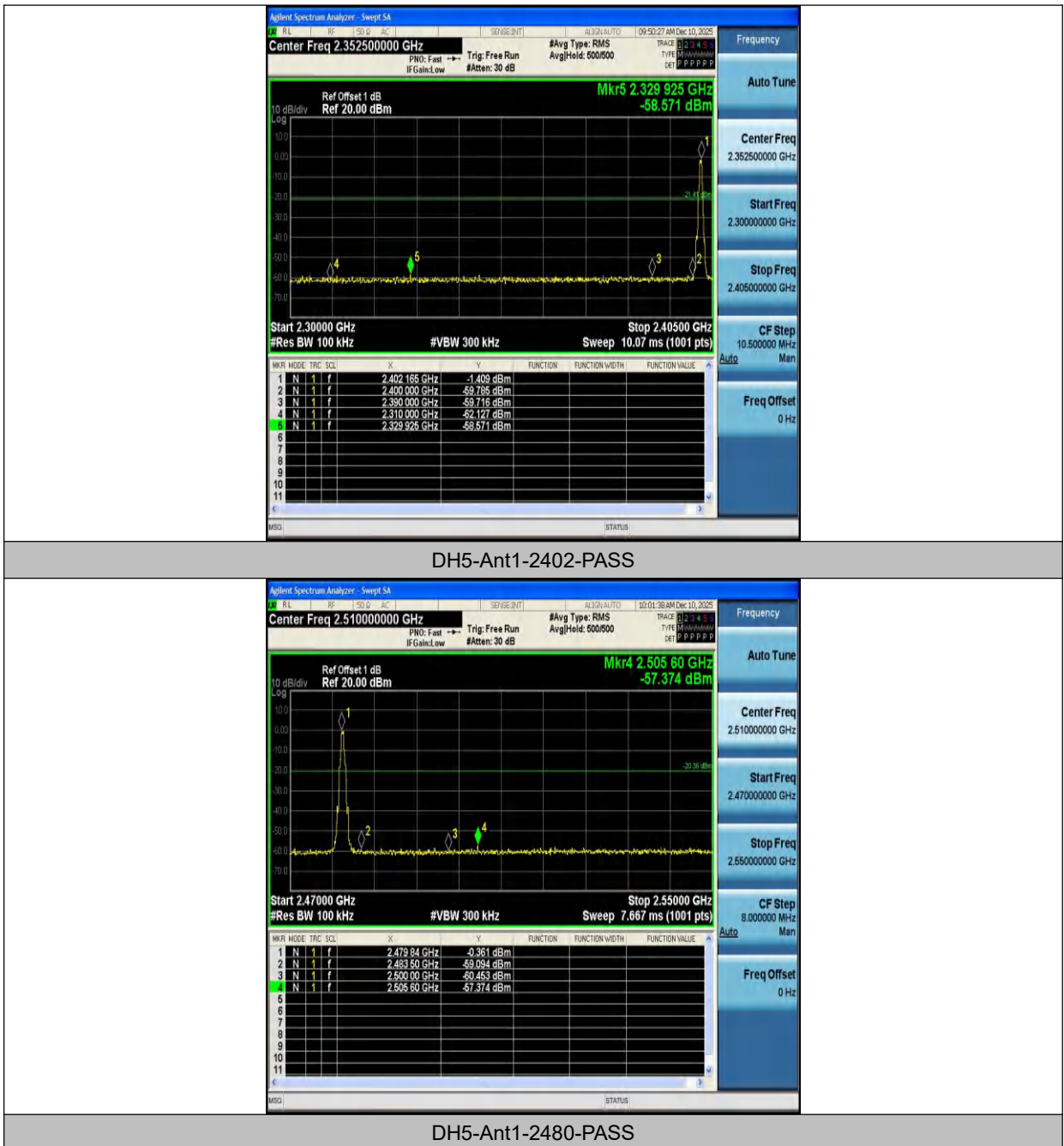
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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.41	-58.57	≤ -21.41	PASS
DH5	Ant1	High	2480	-0.36	-57.37	≤ -20.36	PASS
DH5	Ant1	Low	Hop_2402	-1.01	-58.86	≤ -21.01	PASS
DH5	Ant1	High	Hop_2480	0.55	-56.84	≤ -19.45	PASS
2DH5	Ant1	Low	2402	-2.06	-58.16	≤ -22.06	PASS
2DH5	Ant1	High	2480	-1.11	-57.4	≤ -21.11	PASS
2DH5	Ant1	Low	Hop_2402	-3.63	-58.48	≤ -23.63	PASS
2DH5	Ant1	High	Hop_2480	-1.50	-57.56	≤ -21.5	PASS
3DH5	Ant1	Low	2402	-2.95	-58.56	≤ -22.95	PASS
3DH5	Ant1	High	2480	-1.29	-57.76	≤ -21.29	PASS
3DH5	Ant1	Low	Hop_2402	-1.79	-58.08	≤ -21.79	PASS
3DH5	Ant1	High	Hop_2480	-0.04	-53.3	≤ -20.04	PASS

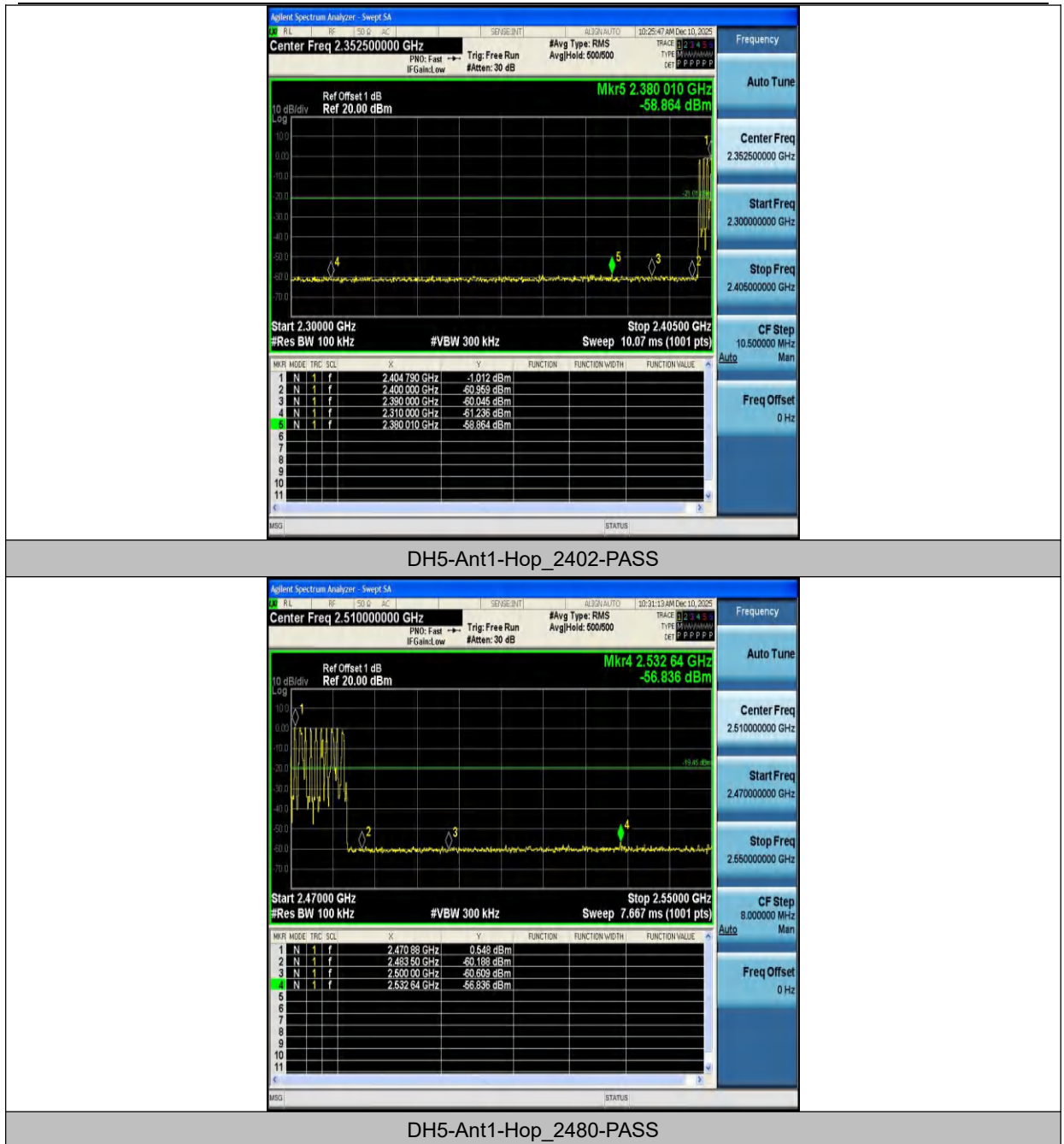
Test Graphs



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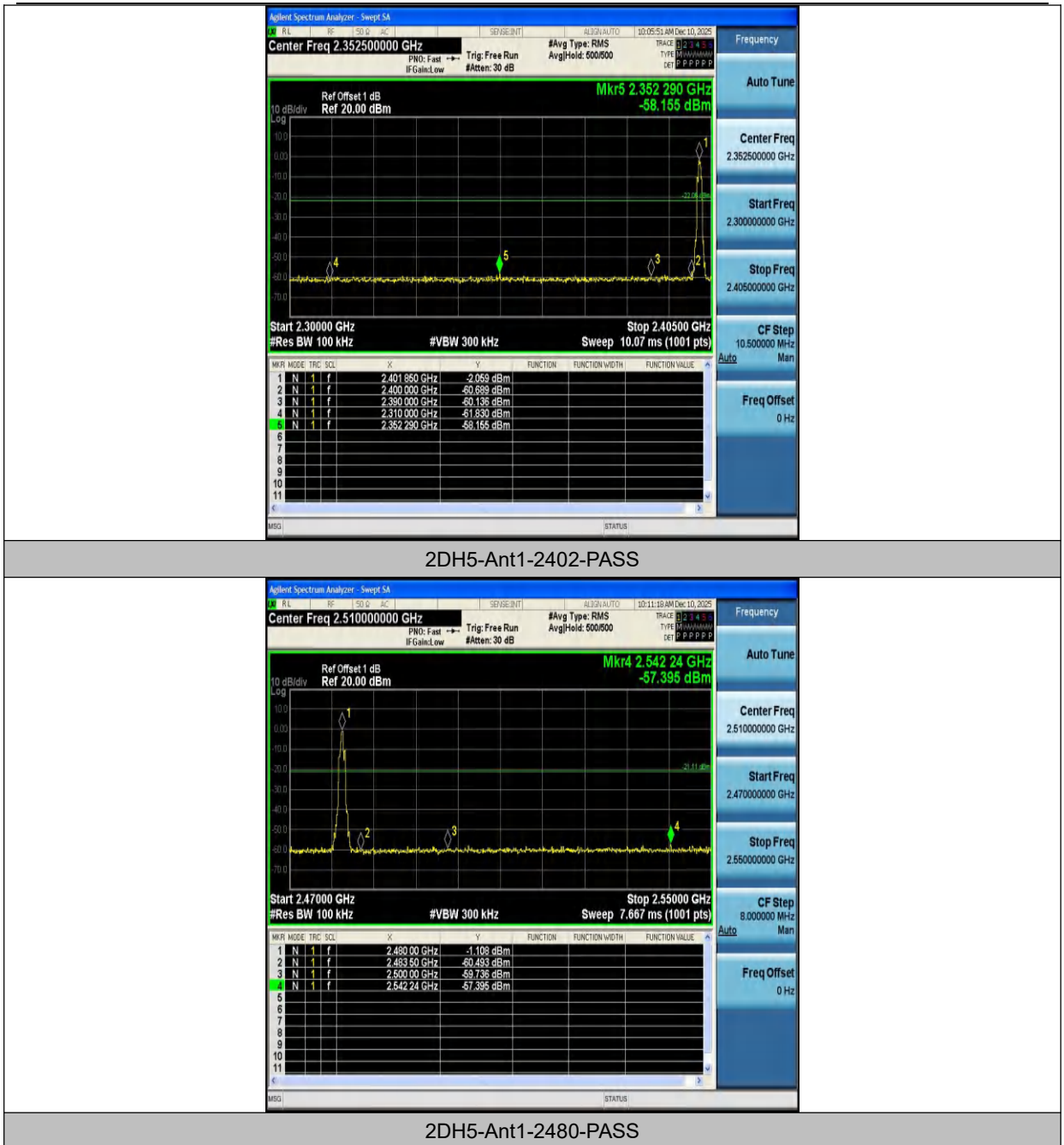
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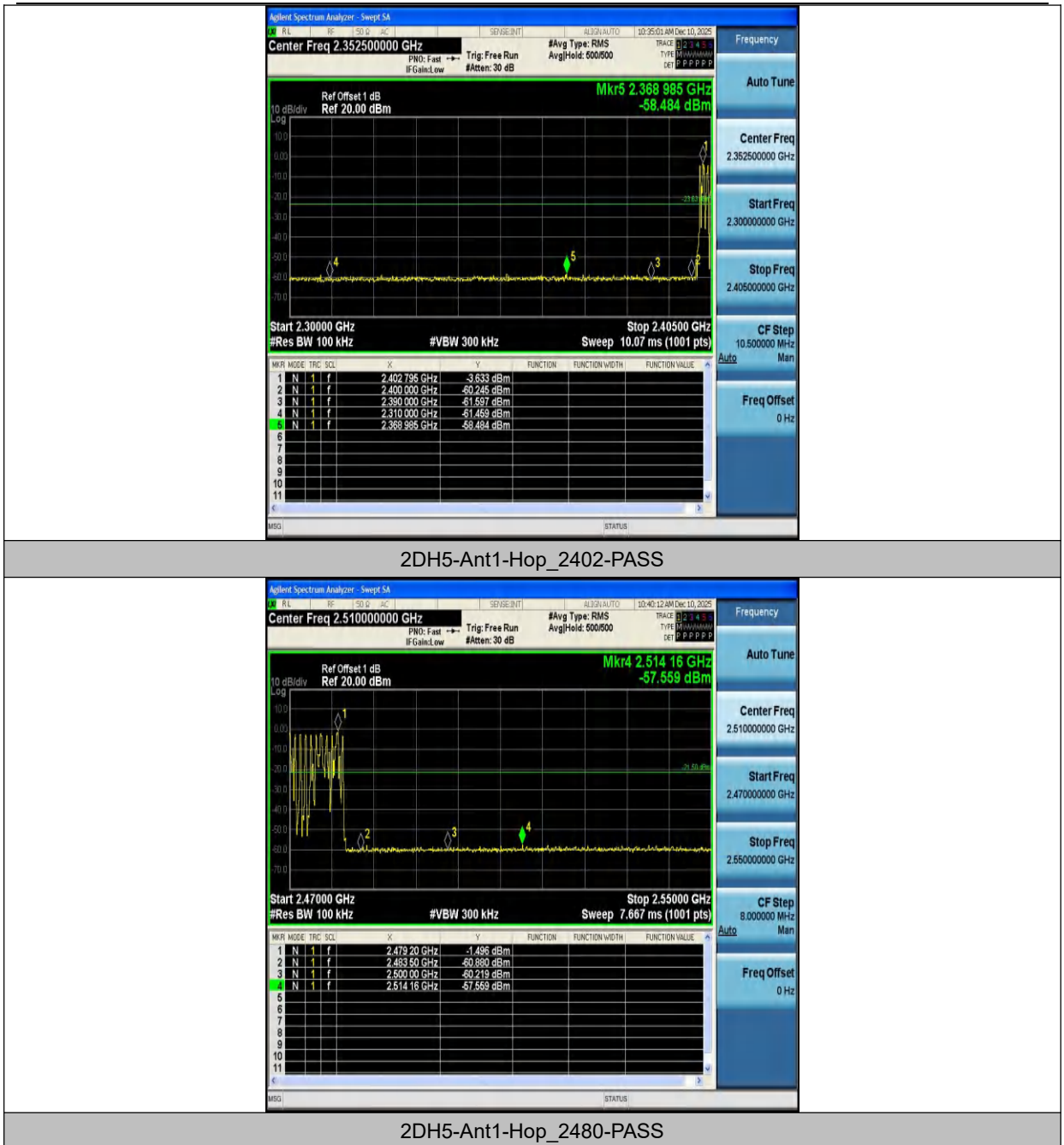
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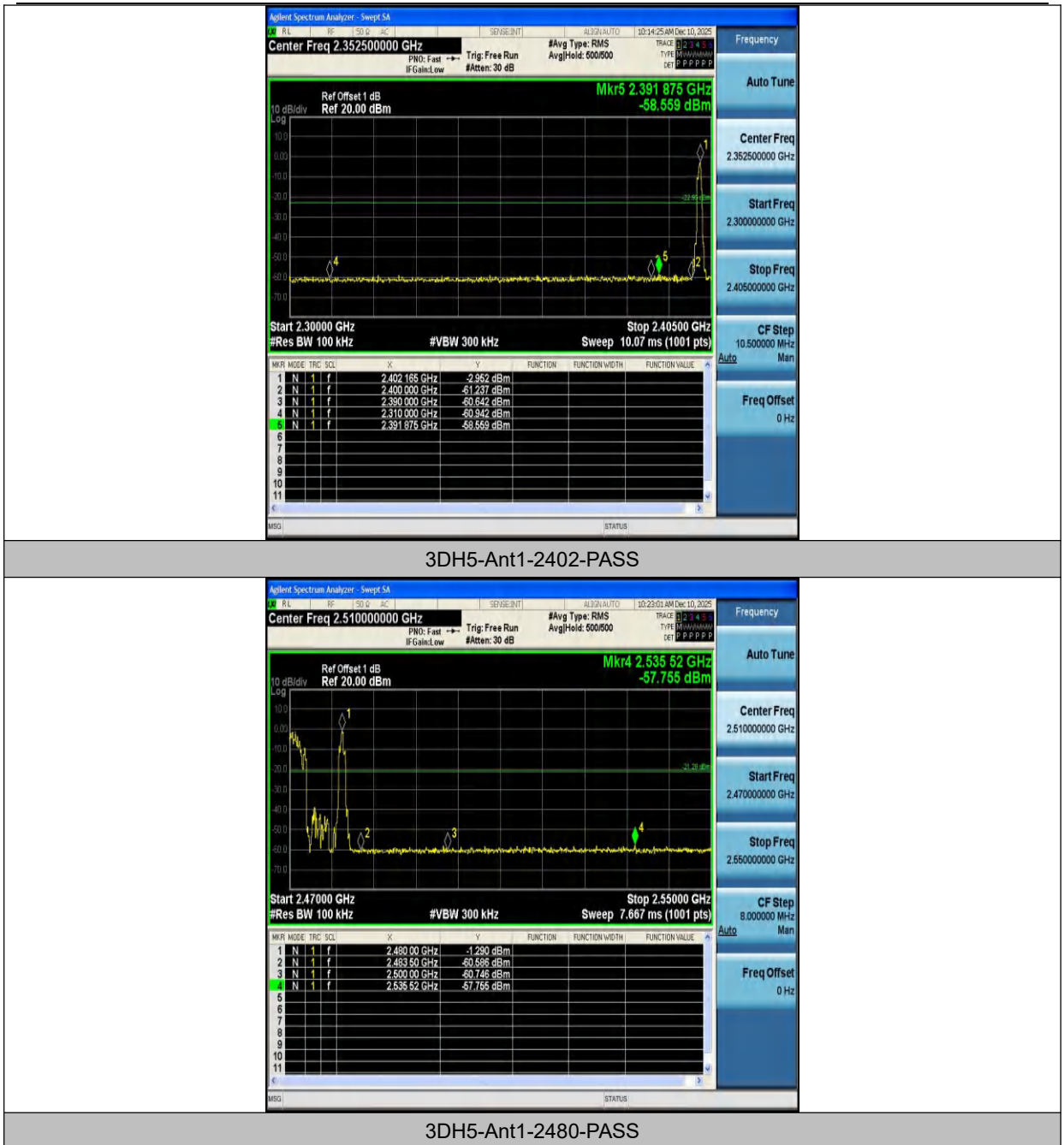


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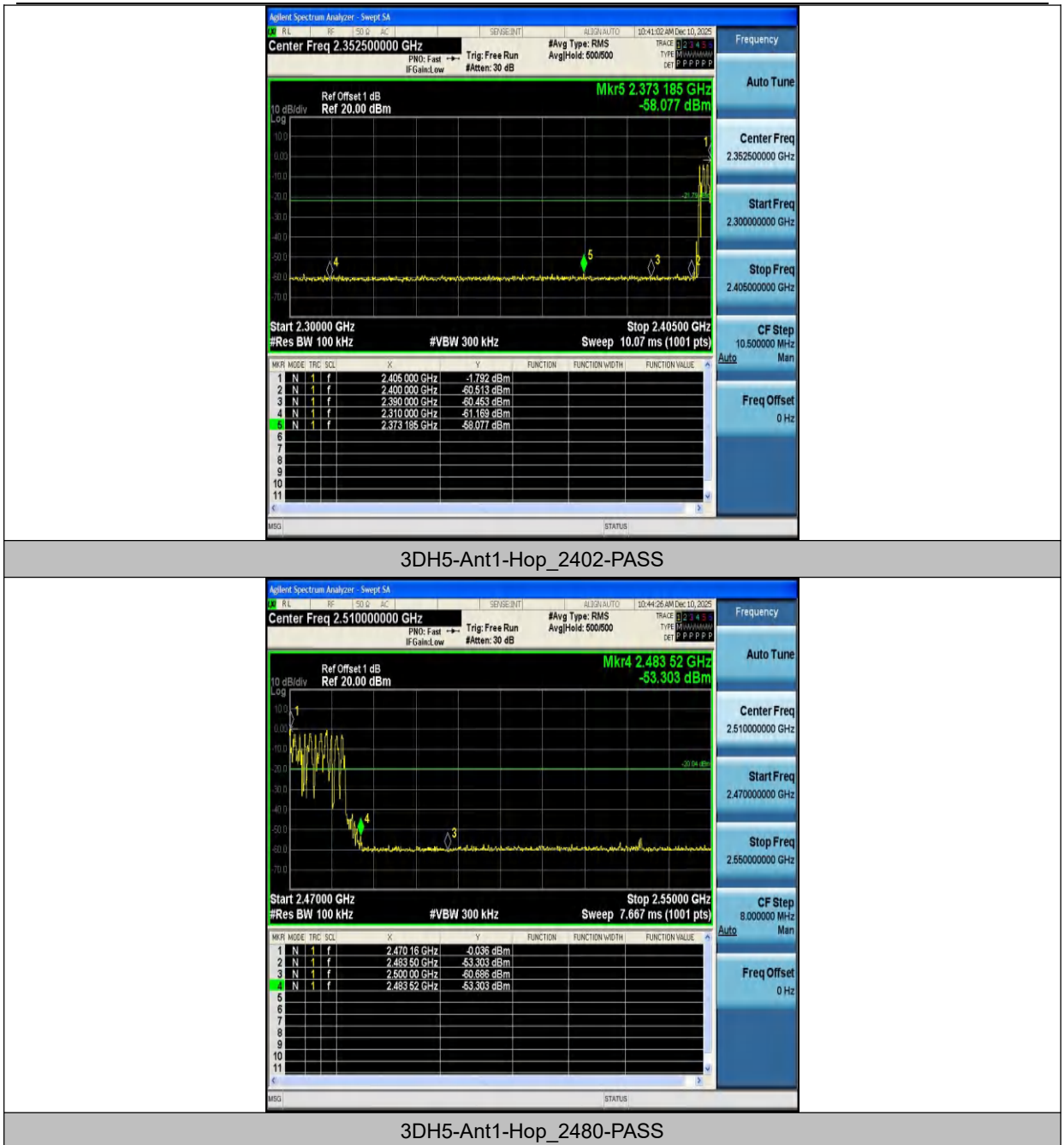




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Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.47	-1.47	---	PASS
DH5	Ant1	2402	30~1000	-1.47	-59.36	≤-21.47	PASS
DH5	Ant1	2402	1000~26500	-1.47	-45.98	≤-21.47	PASS
DH5	Ant1	2441	0~Reference	-0.79	-0.79	---	PASS
DH5	Ant1	2441	30~1000	-0.79	-60.14	≤-20.79	PASS
DH5	Ant1	2441	1000~26500	-0.79	-45.45	≤-20.79	PASS
DH5	Ant1	2480	0~Reference	-0.39	-0.39	---	PASS
DH5	Ant1	2480	30~1000	-0.39	-59.85	≤-20.39	PASS
DH5	Ant1	2480	1000~26500	-0.39	-45.68	≤-20.39	PASS
2DH5	Ant1	2402	0~Reference	-2.13	-2.13	---	PASS
2DH5	Ant1	2402	30~1000	-2.13	-60.09	≤-22.13	PASS
2DH5	Ant1	2402	1000~26500	-2.13	-46.3	≤-22.13	PASS
2DH5	Ant1	2441	0~Reference	-1.47	-1.47	---	PASS
2DH5	Ant1	2441	30~1000	-1.47	-59.91	≤-21.47	PASS
2DH5	Ant1	2441	1000~26500	-1.47	-46.1	≤-21.47	PASS
2DH5	Ant1	2480	0~Reference	-1.22	-1.22	---	PASS
2DH5	Ant1	2480	30~1000	-1.22	-59.06	≤-21.22	PASS
2DH5	Ant1	2480	1000~26500	-1.22	-44.78	≤-21.22	PASS
3DH5	Ant1	2402	0~Reference	-2.13	-2.13	---	PASS
3DH5	Ant1	2402	30~1000	-2.13	-60	≤-22.13	PASS
3DH5	Ant1	2402	1000~26500	-2.13	-46.81	≤-22.13	PASS
3DH5	Ant1	2441	0~Reference	-1.69	-1.69	---	PASS
3DH5	Ant1	2441	30~1000	-1.69	-60.47	≤-21.69	PASS
3DH5	Ant1	2441	1000~26500	-1.69	-46.74	≤-21.69	PASS
3DH5	Ant1	2480	0~Reference	-1.09	-1.09	---	PASS
3DH5	Ant1	2480	30~1000	-1.09	-59.76	≤-21.09	PASS
3DH5	Ant1	2480	1000~26500	-1.09	-46.25	≤-21.09	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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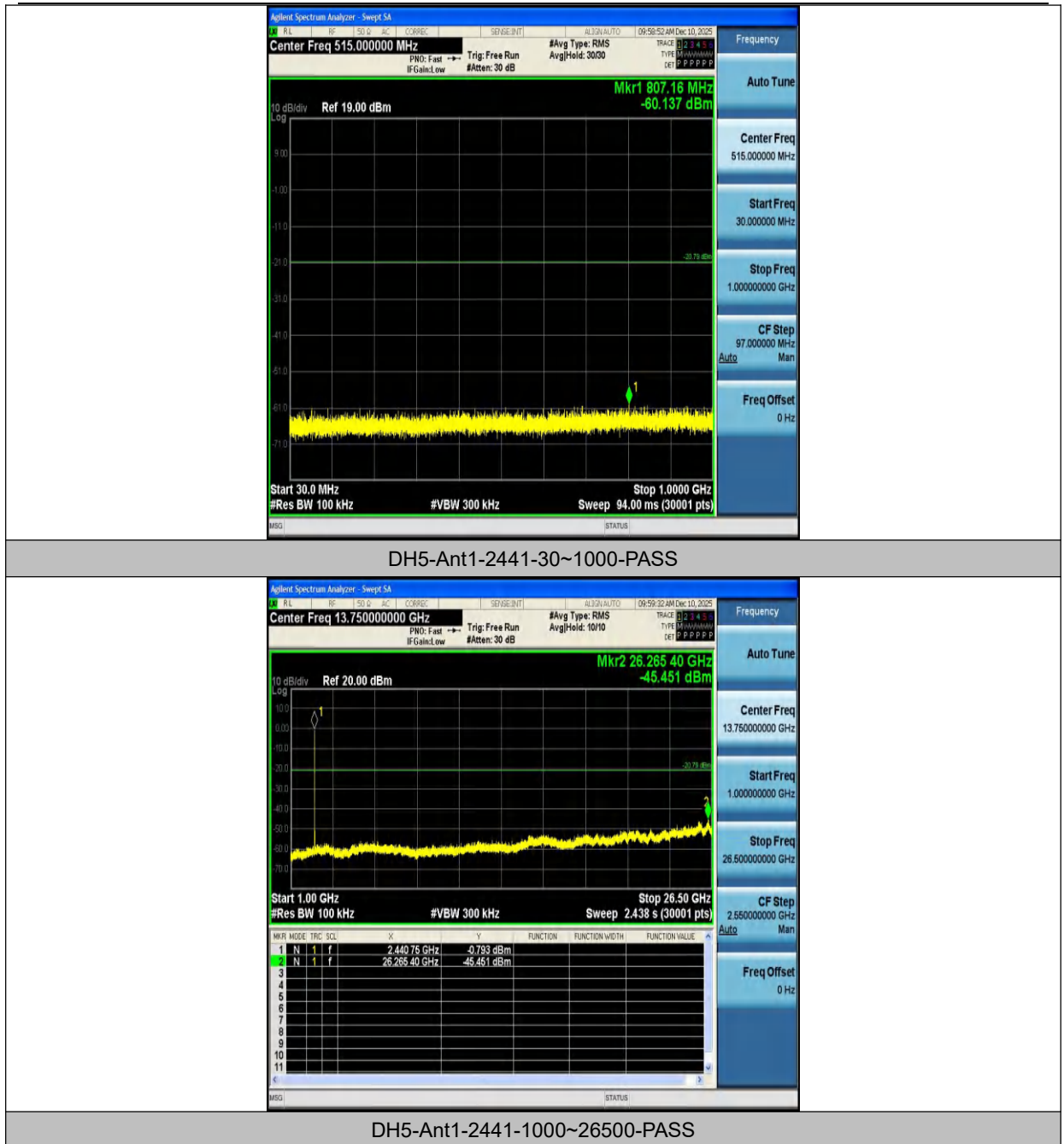
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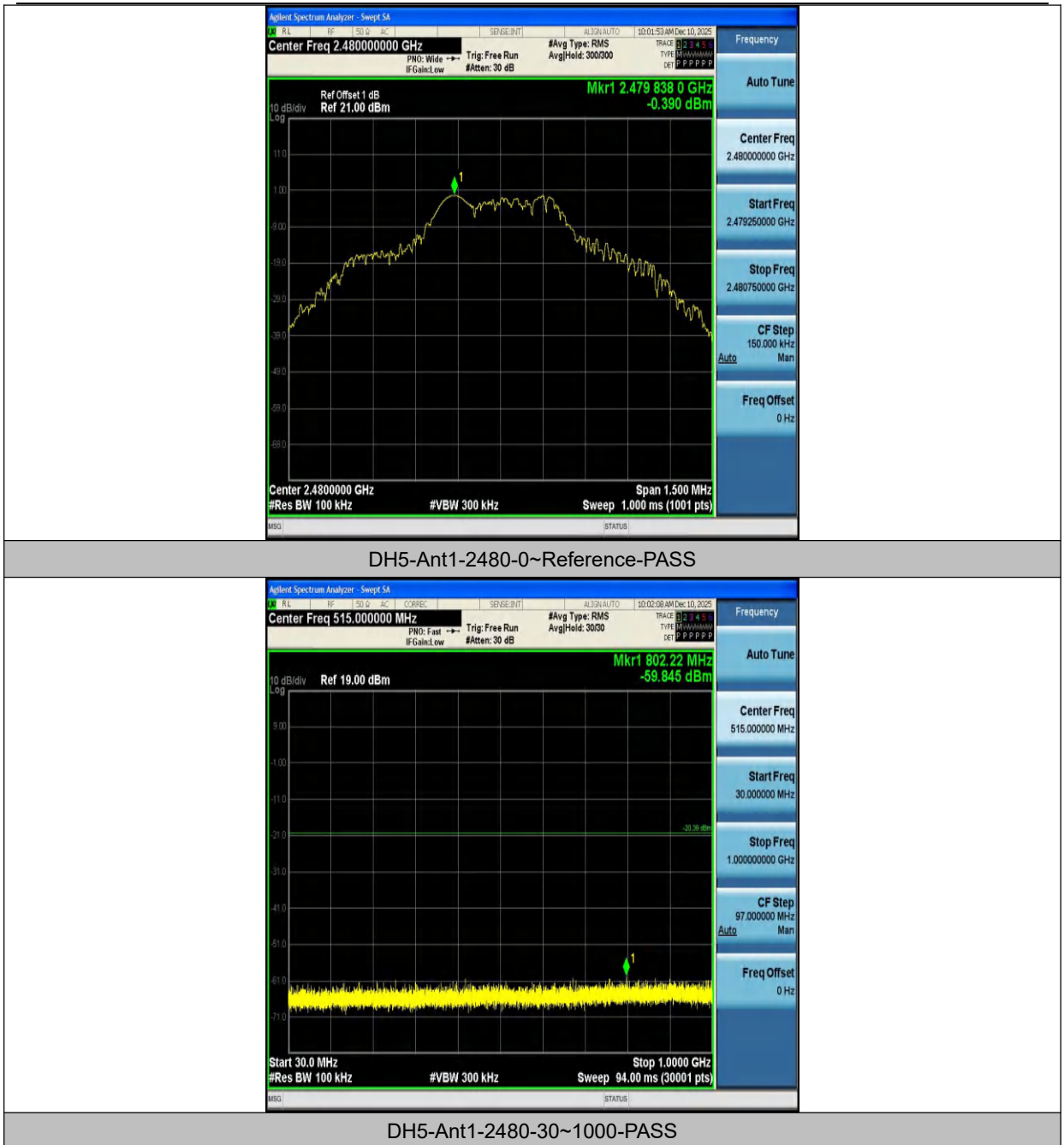
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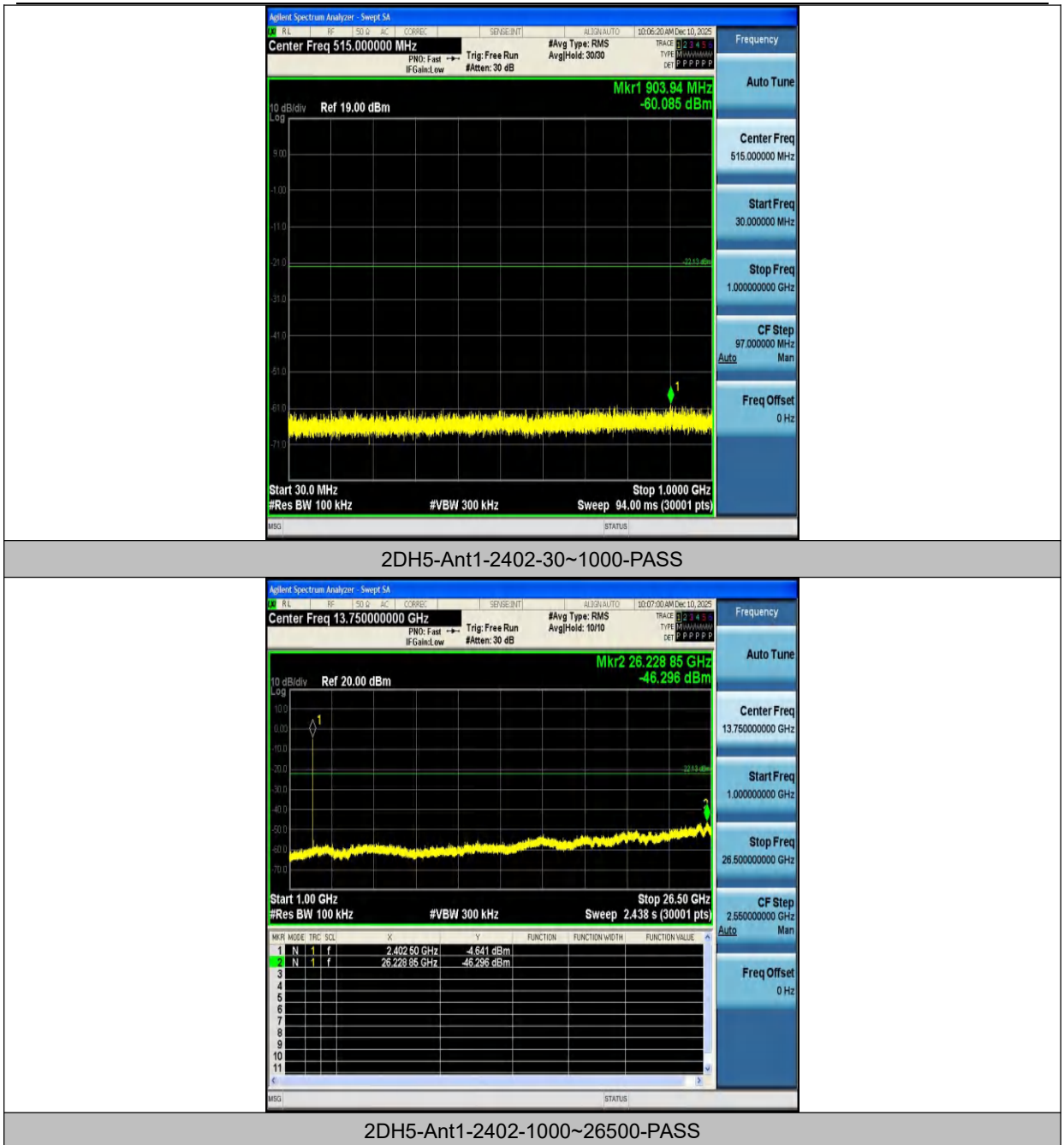
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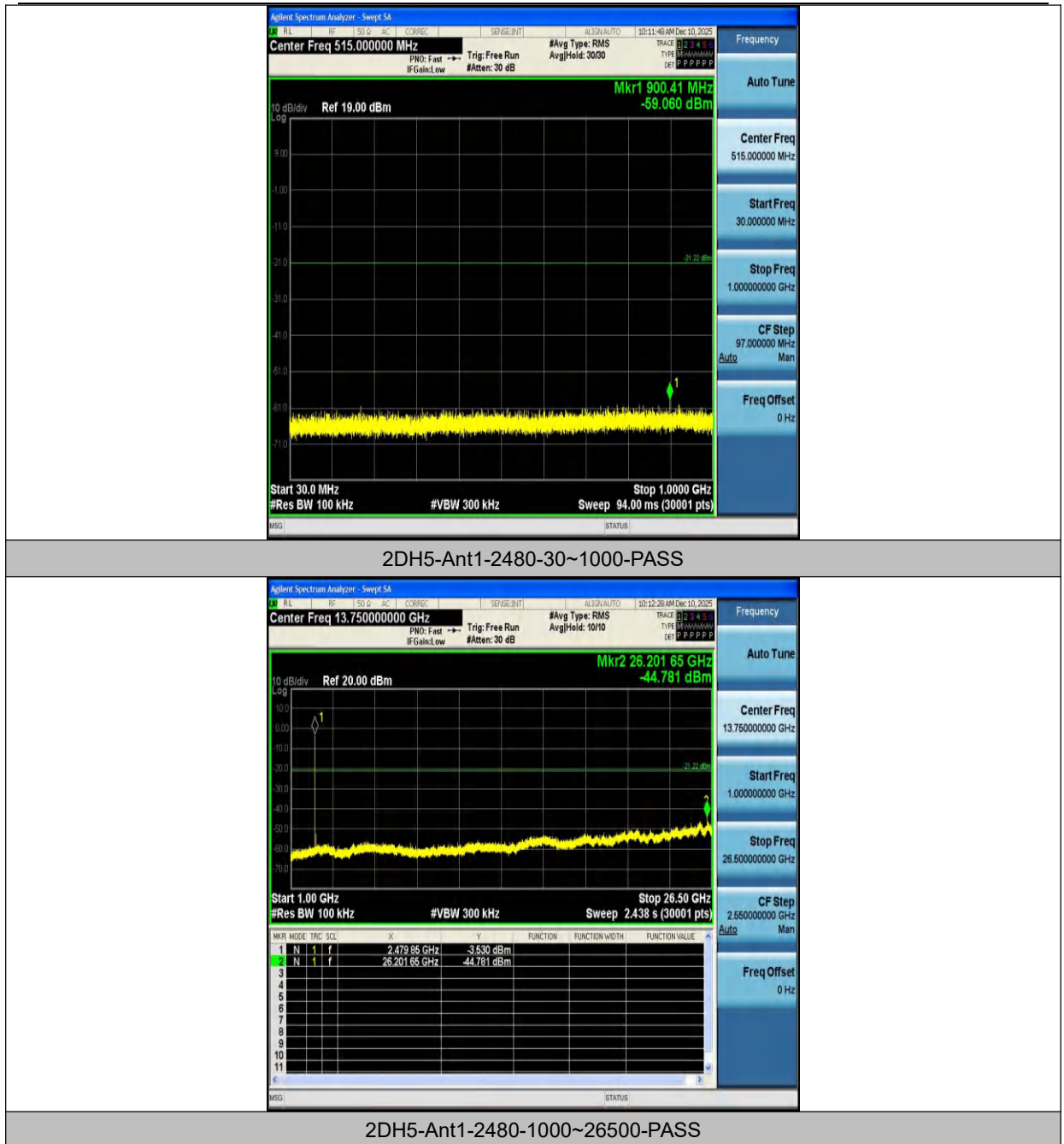
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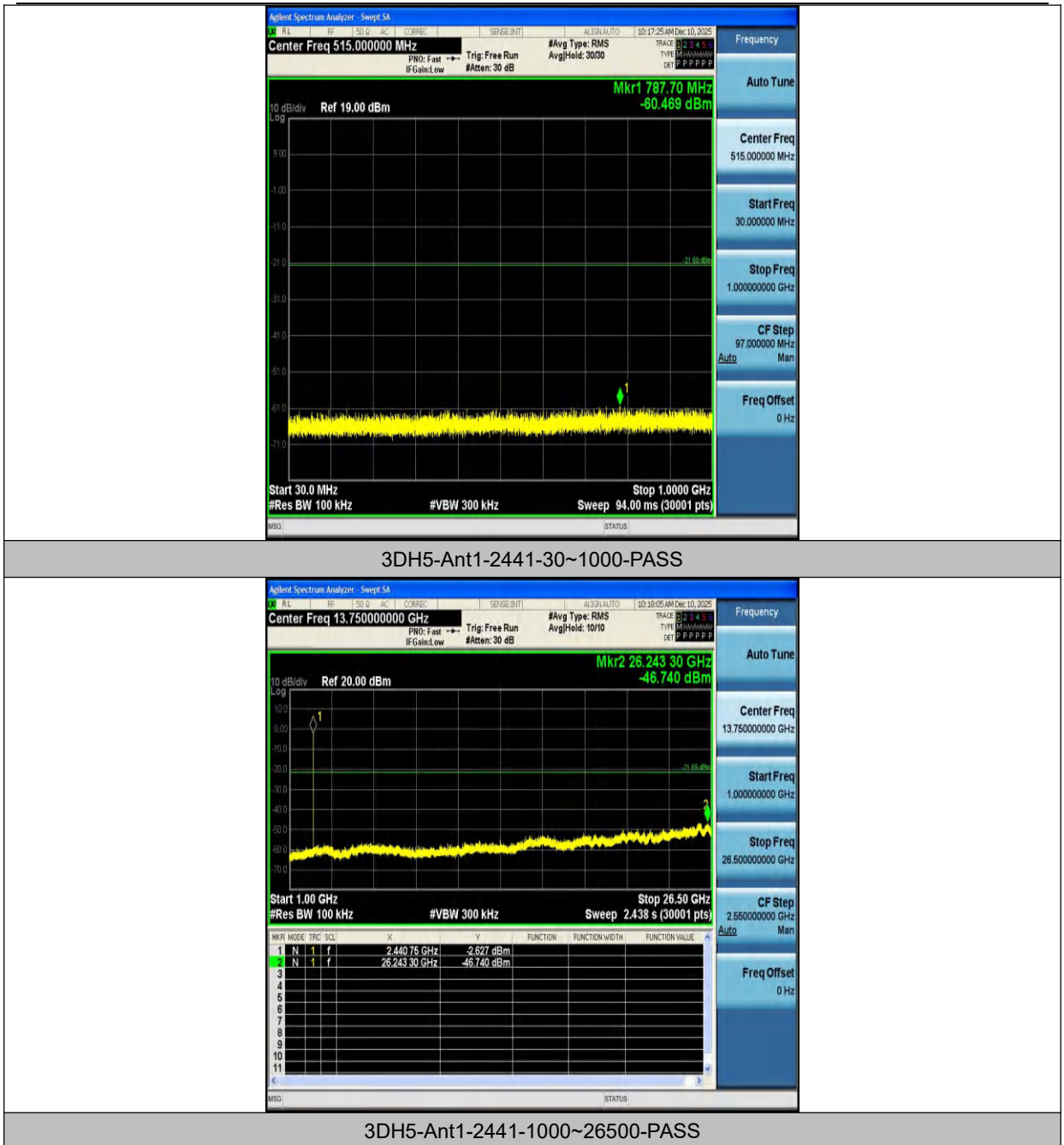
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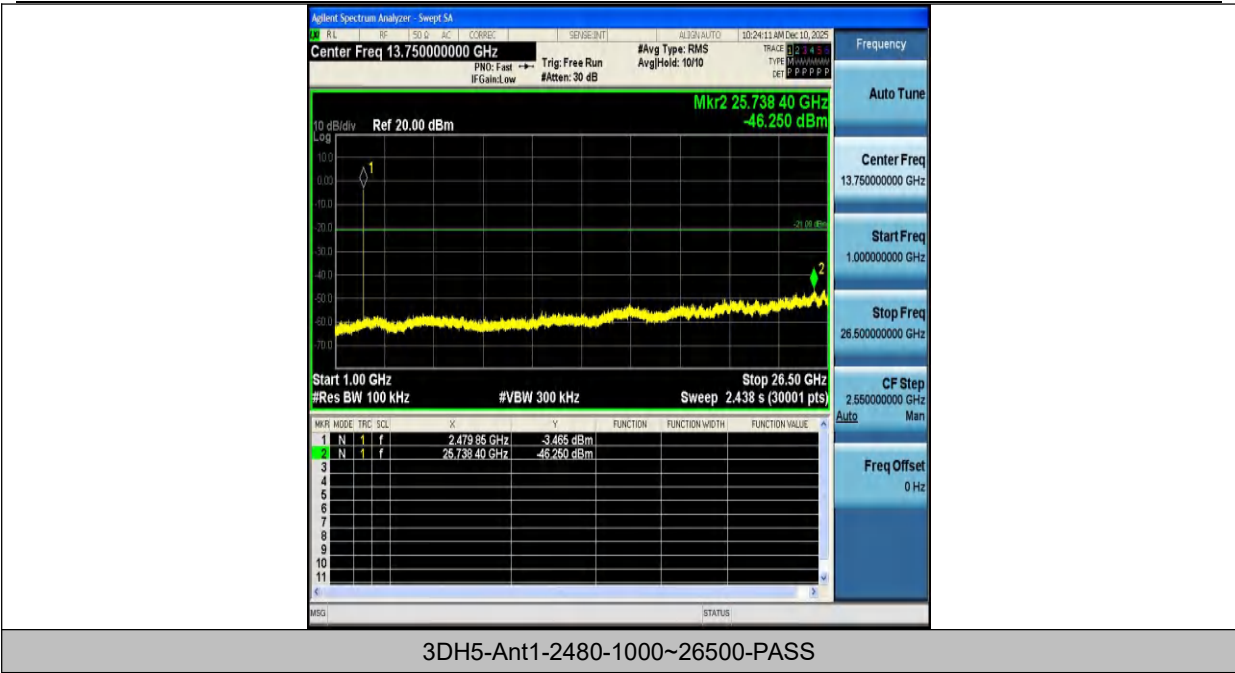
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Appendix I: Duty Cycle

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	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs



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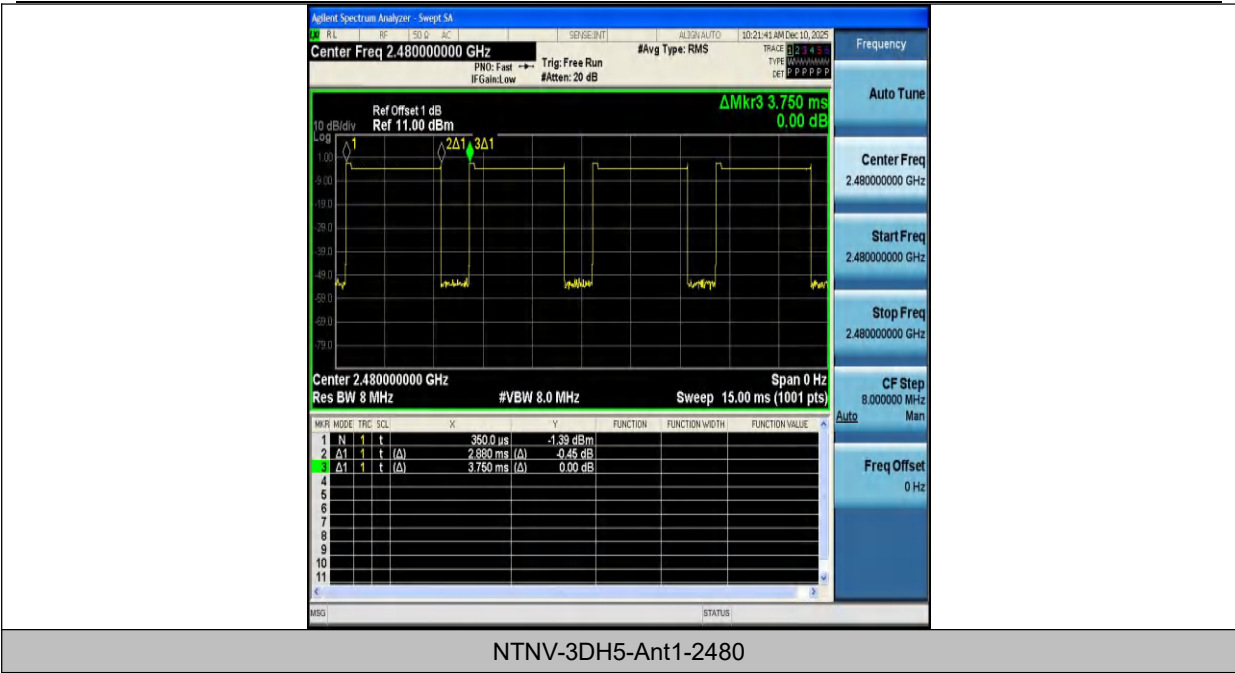
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NTNV-3DH5-Ant1-2480

---End---