

Appendix Test Data

Report No.:	1812C50695012501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-24	Finish Test Date:	2025-12-24
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24°C	Relative Humidity:	53%
Pressure:	101kPa		

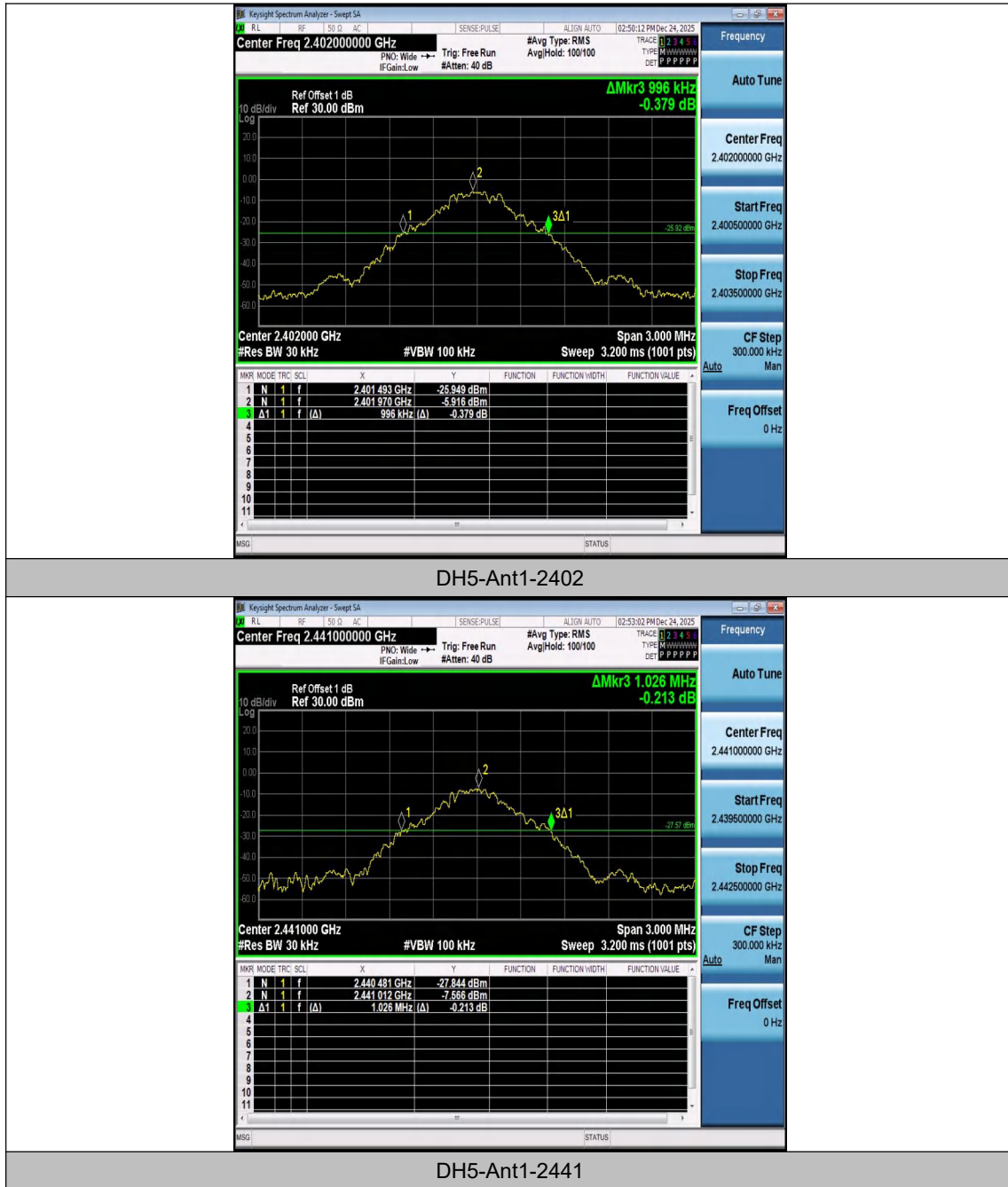


Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.996	2401.493	2402.489	---	---
DH5	Ant1	2441	1.026	2440.481	2441.507	---	---
DH5	Ant1	2480	1.008	2479.484	2480.492	---	---
2DH5	Ant1	2402	1.296	2401.358	2402.654	---	---
2DH5	Ant1	2441	1.320	2440.331	2441.651	---	---
2DH5	Ant1	2480	1.323	2479.331	2480.654	---	---

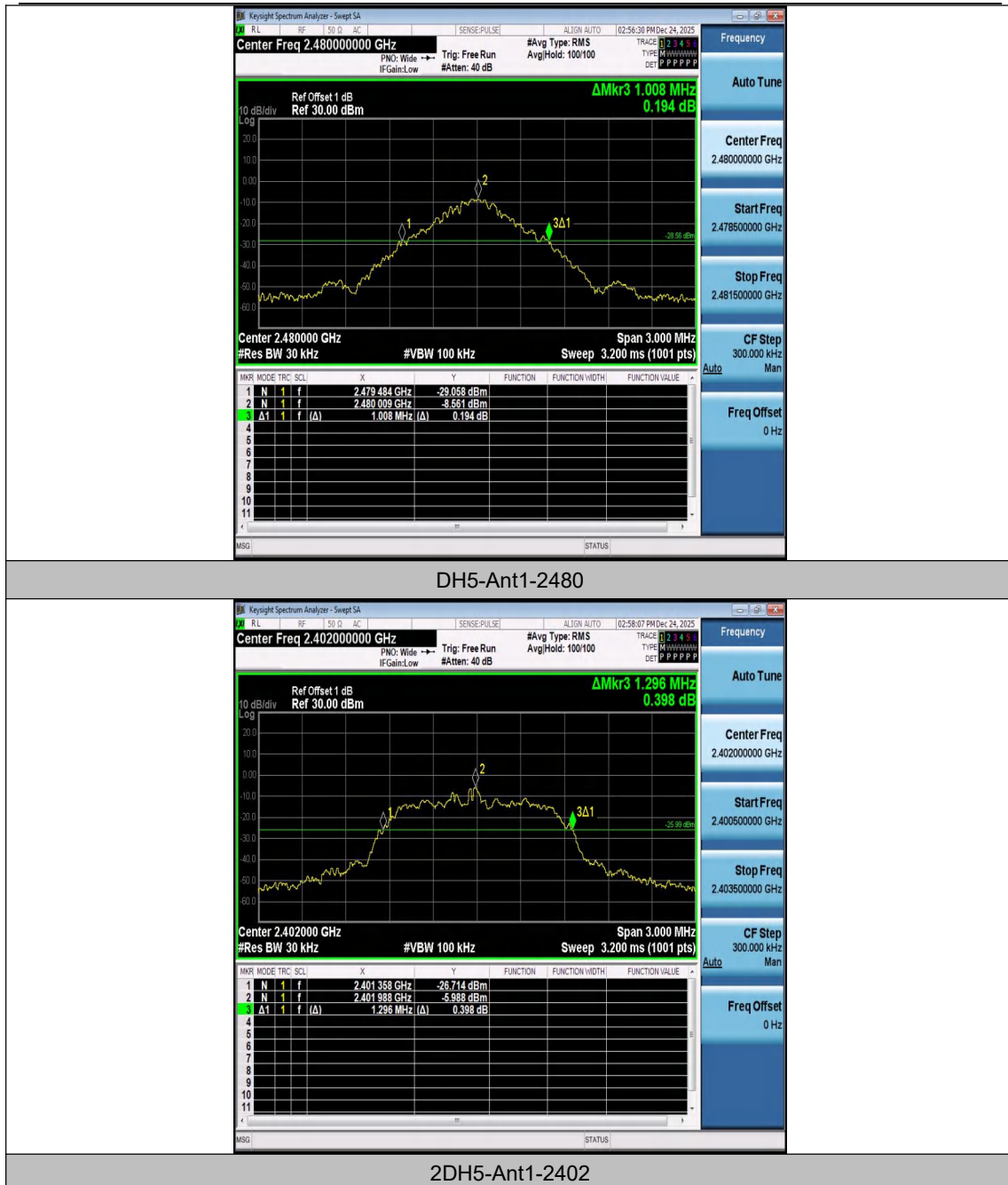
Test Graphs



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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	0.91059	2401.5398	2402.4503	---	---
DH5	Ant1	2441	0.90323	2440.5444	2441.4476	---	---
DH5	Ant1	2480	0.90983	2479.5387	2480.4485	---	---
2DH5	Ant1	2402	1.1876	2401.3993	2402.5869	---	---
2DH5	Ant1	2441	1.2211	2440.3826	2441.6037	---	---
2DH5	Ant1	2480	1.1781	2479.4038	2480.5819	---	---

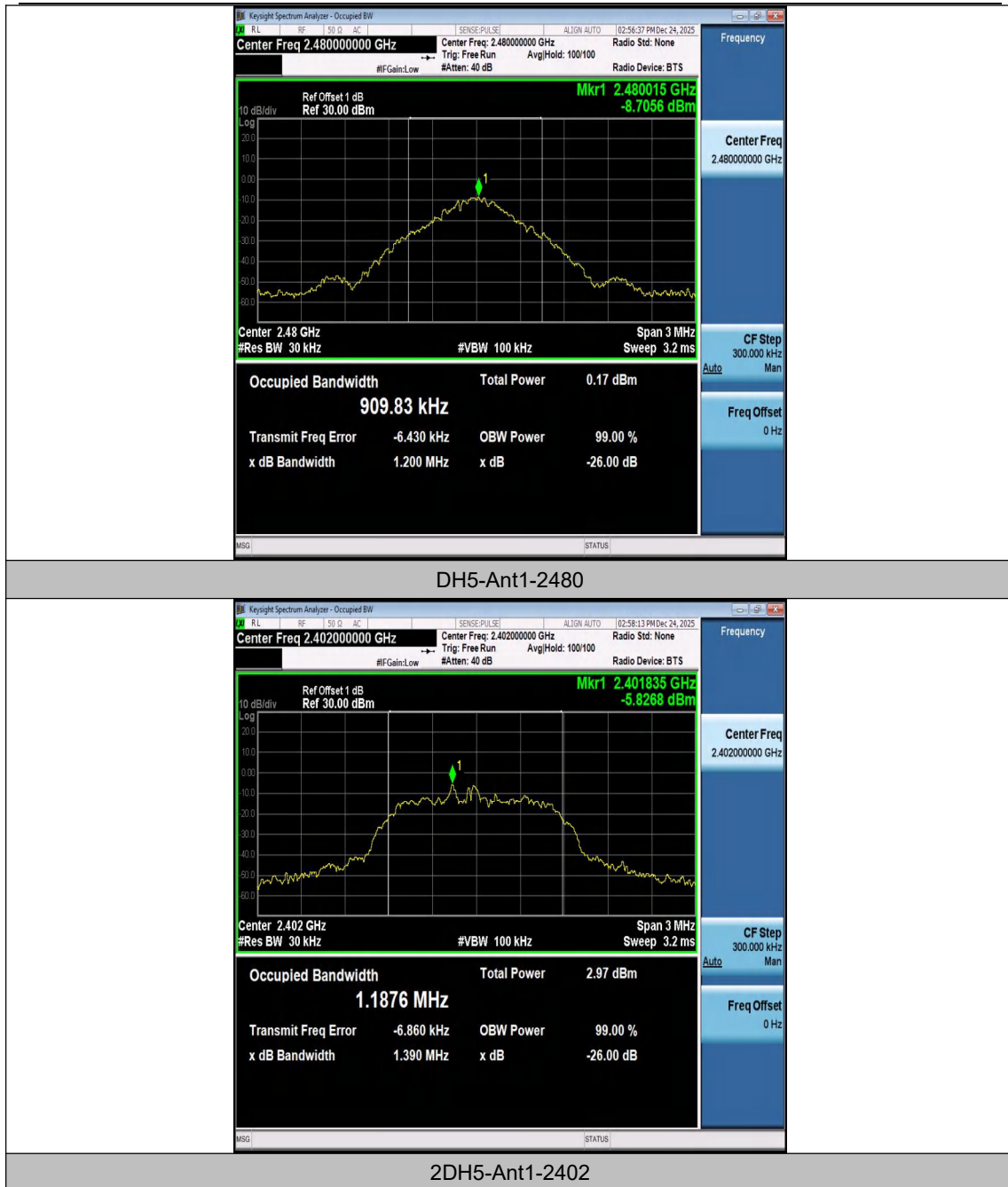
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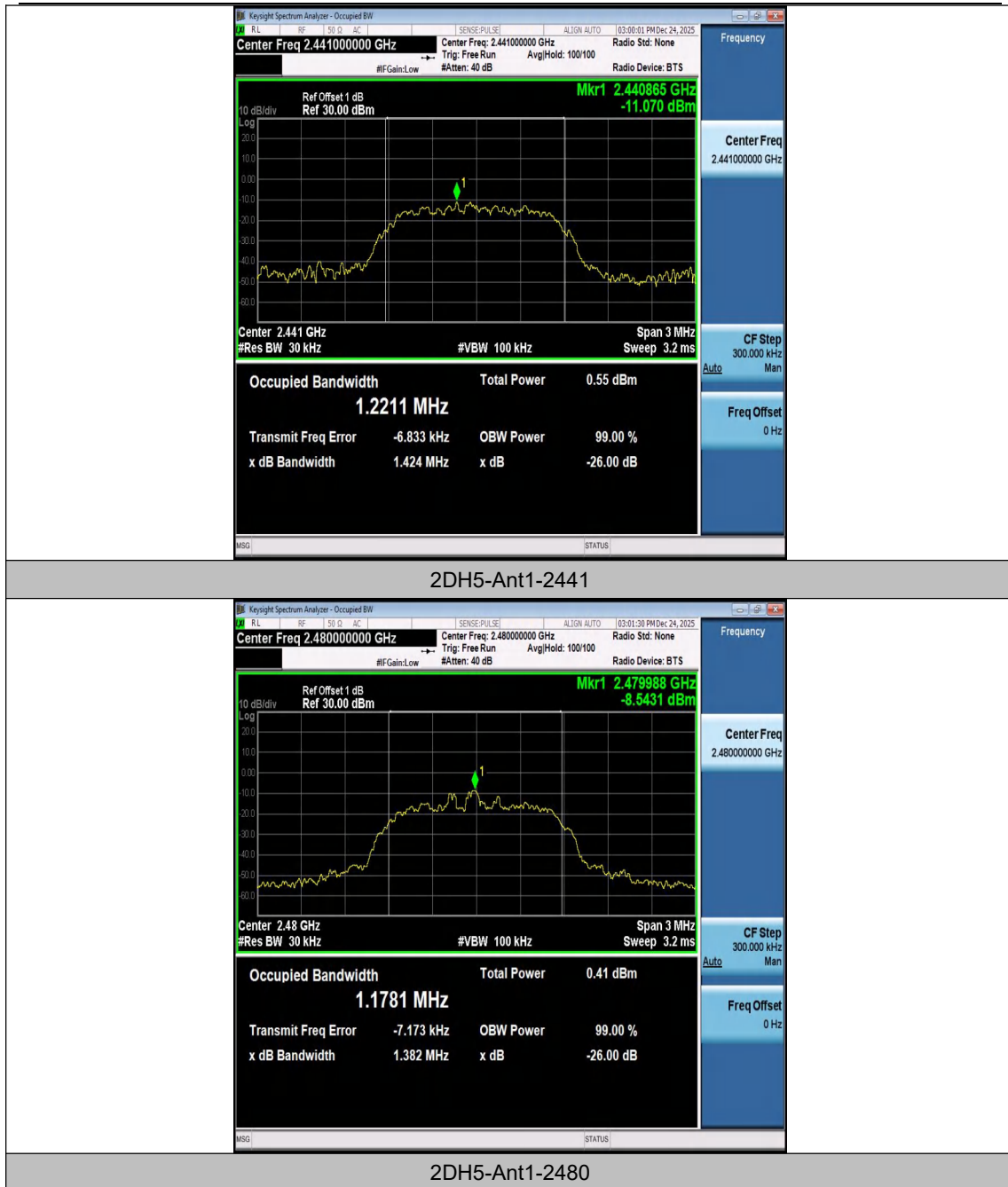
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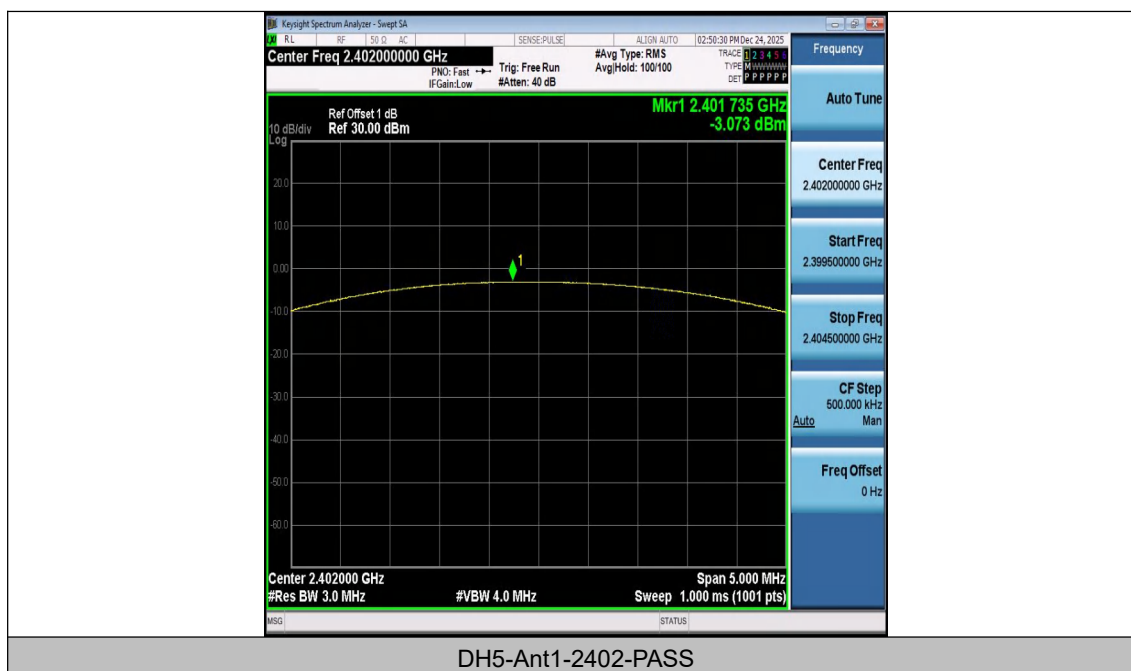
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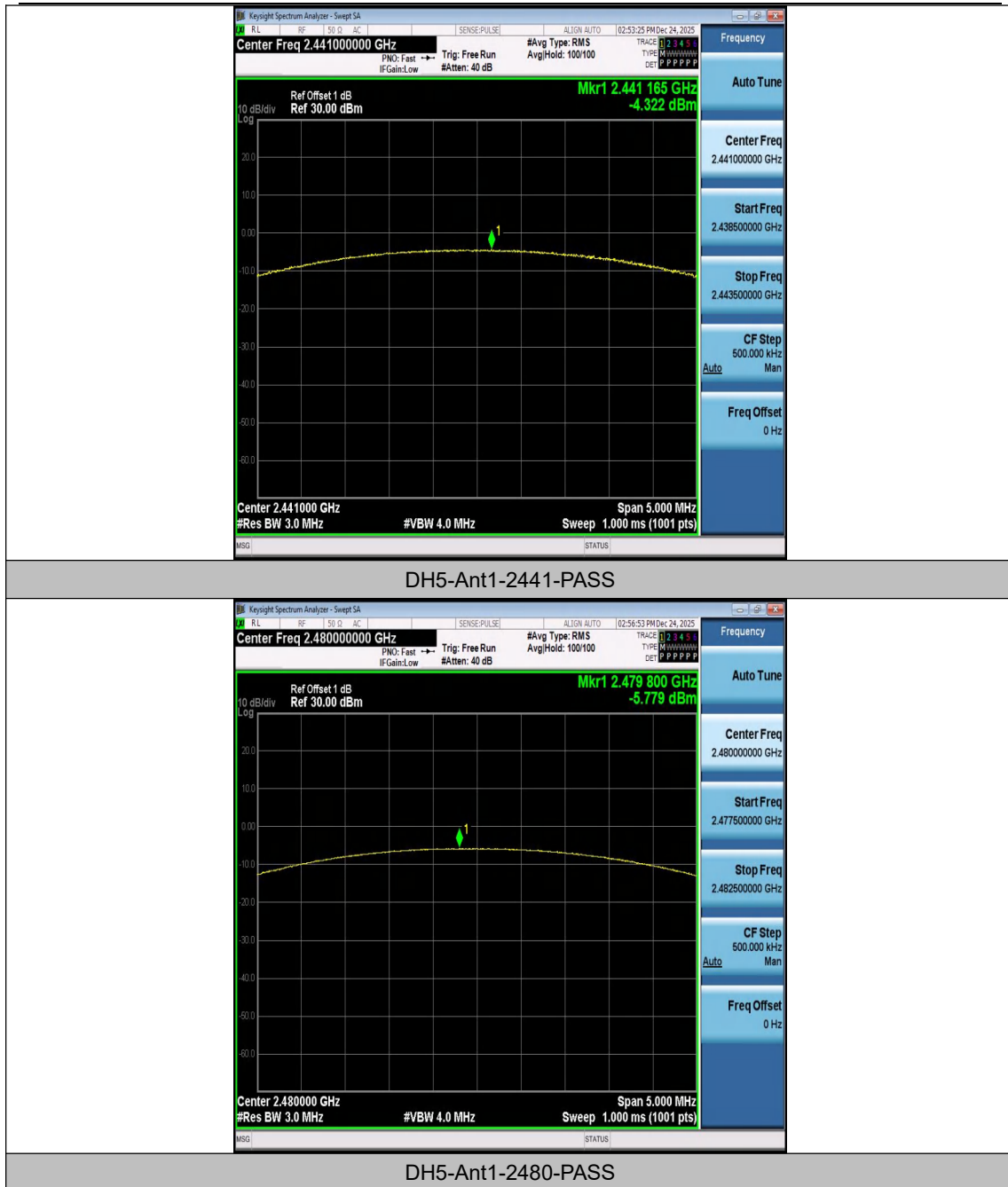
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.07	≤20.97	PASS
DH5	Ant1	2441	-4.32	≤20.97	PASS
DH5	Ant1	2480	-5.78	≤20.97	PASS
2DH5	Ant1	2402	-2.20	≤20.97	PASS
2DH5	Ant1	2441	-3.49	≤20.97	PASS
2DH5	Ant1	2480	-5.01	≤20.97	PASS

Test Graphs

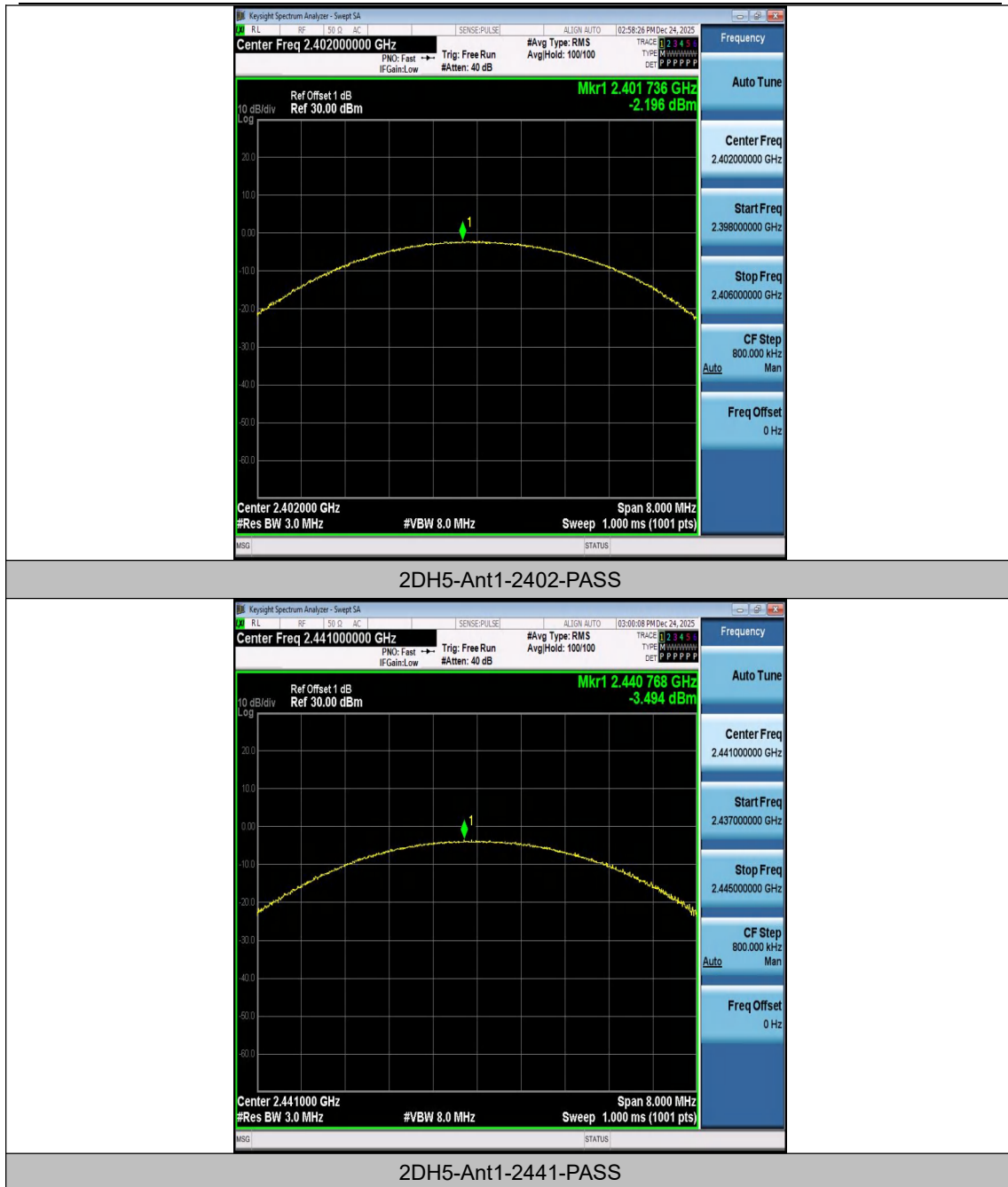




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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.134	≥ 0.684	PASS
2DH5	Ant1	Hop	1.000	≥ 0.882	PASS

Test Graphs



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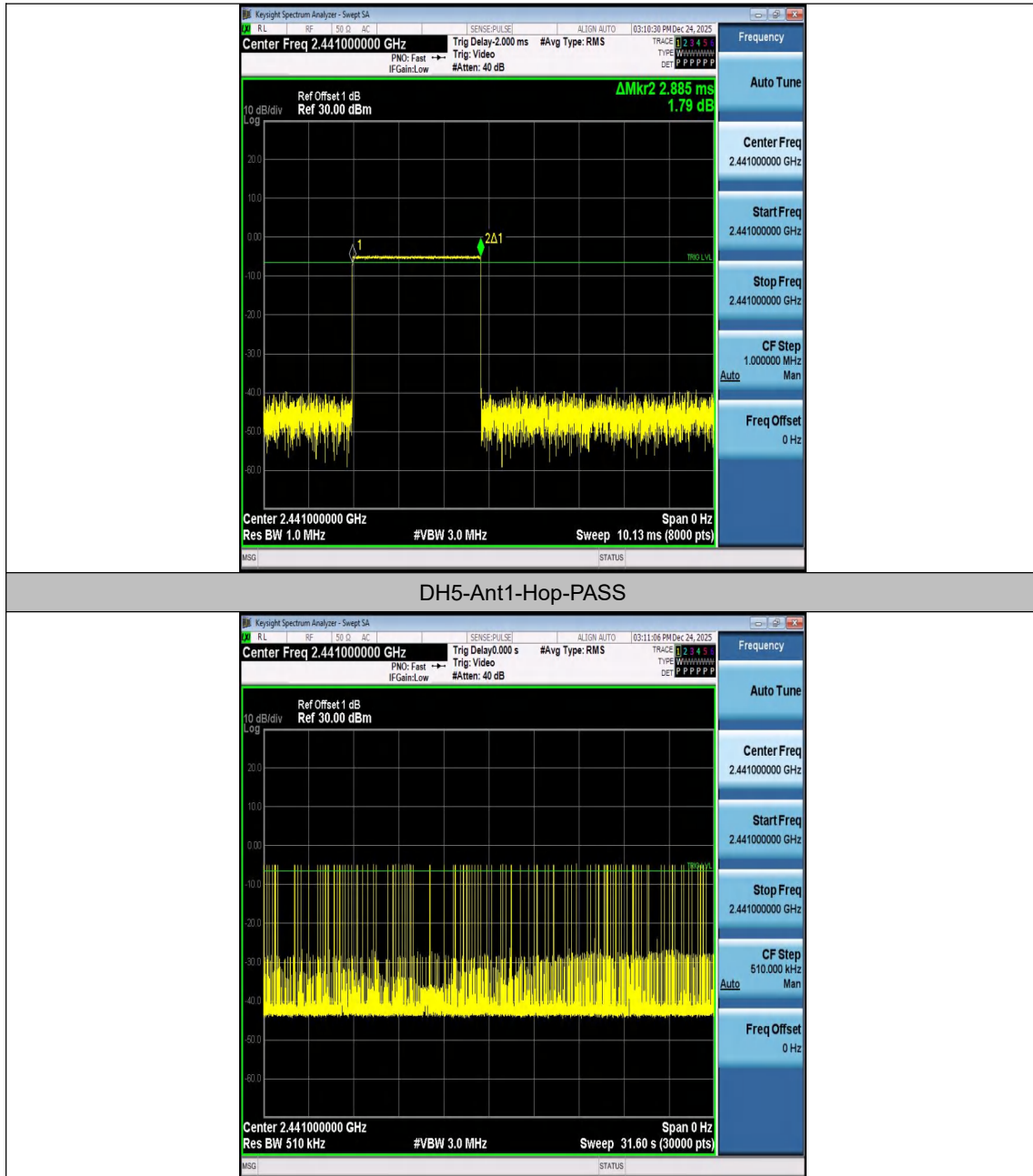
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	117	0.338	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS

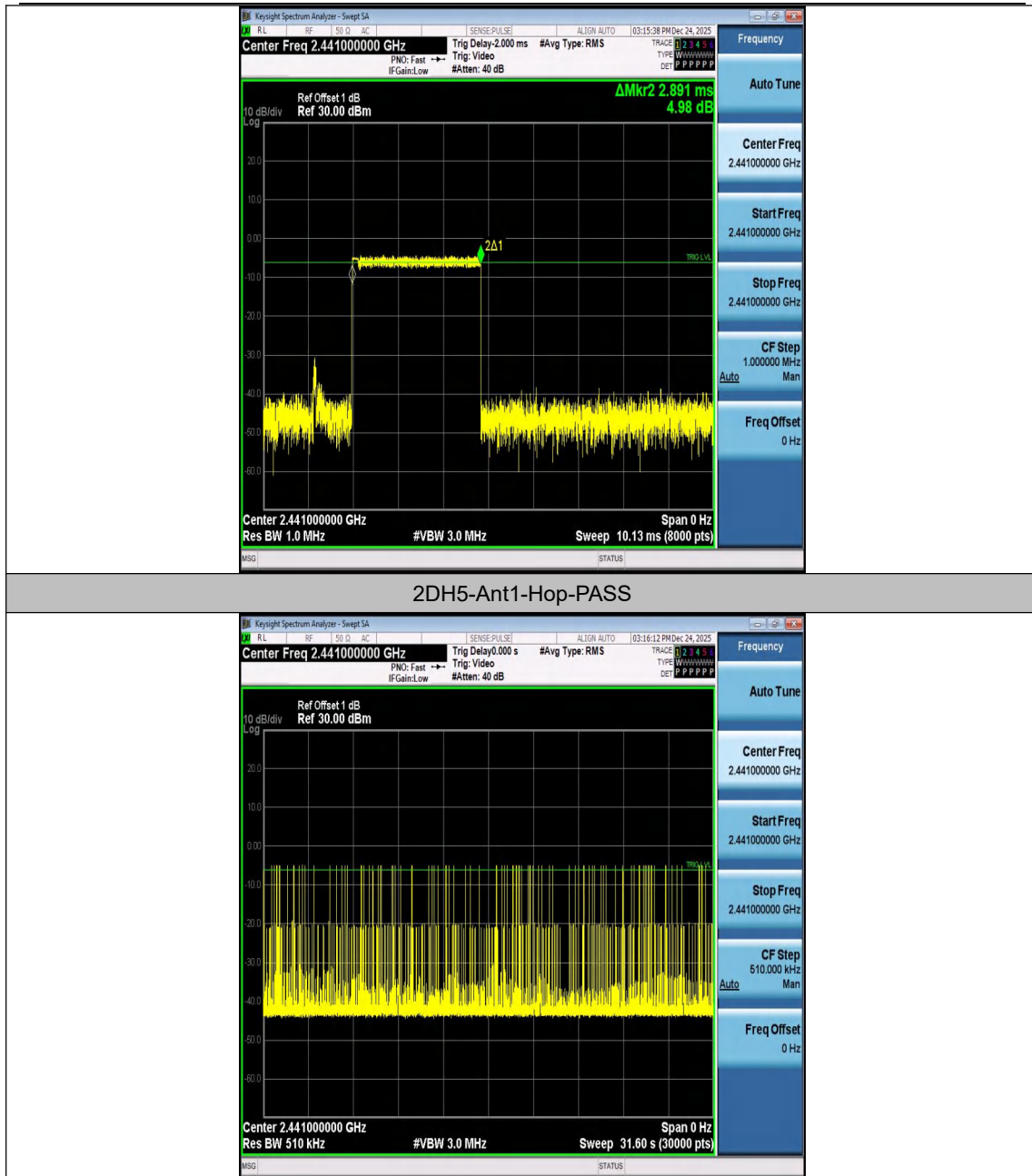
Test Graphs



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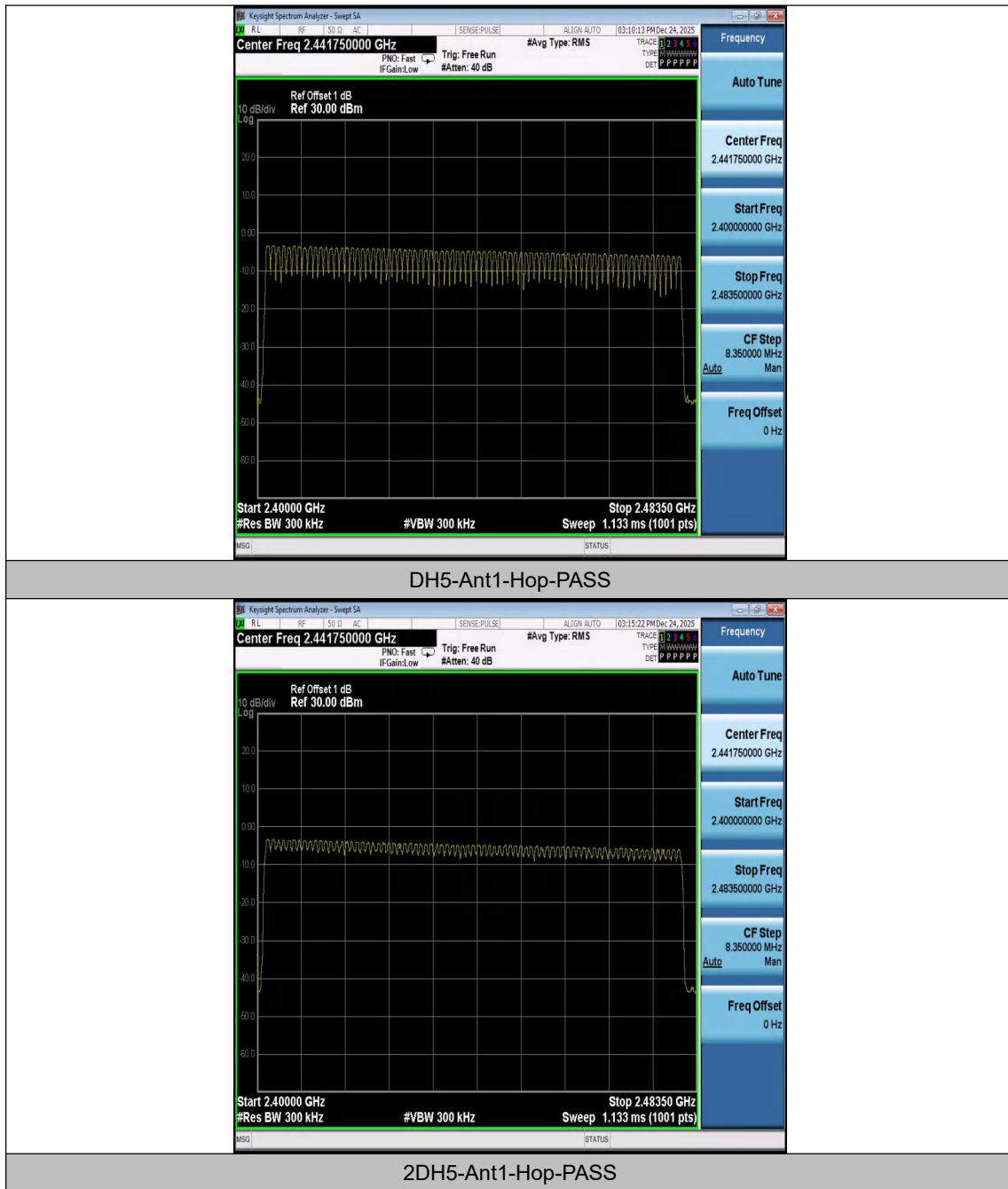
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



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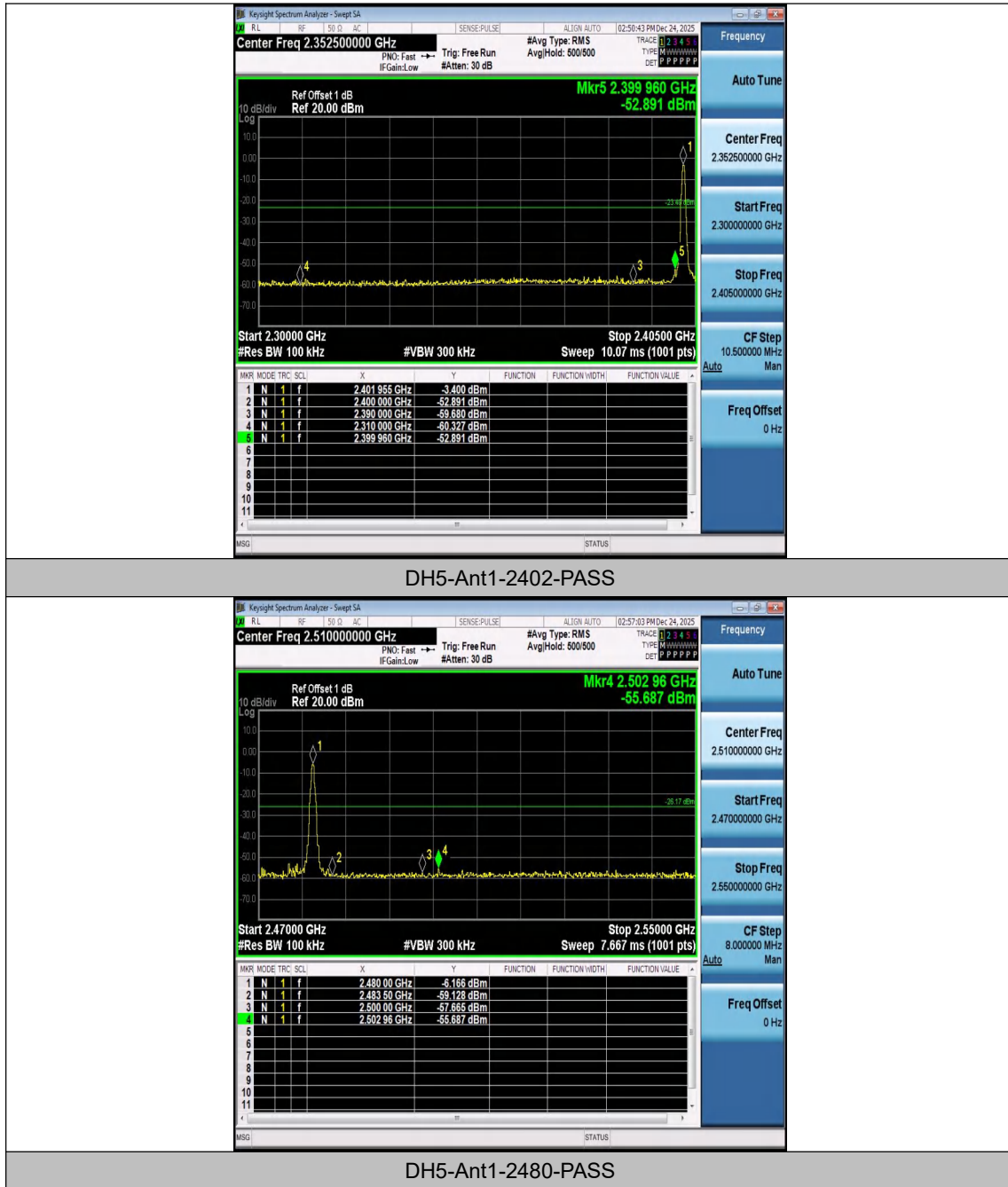
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.40	-52.89	≤ -23.4	PASS
DH5	Ant1	High	2480	-6.17	-55.69	≤ -26.17	PASS
DH5	Ant1	Low	Hop_2402	-3.35	-56.76	≤ -23.35	PASS
DH5	Ant1	High	Hop_2480	-6.42	-54.52	≤ -26.42	PASS
2DH5	Ant1	Low	2402	-3.48	-53.41	≤ -23.48	PASS
2DH5	Ant1	High	2480	-6.23	-45.87	≤ -26.23	PASS
2DH5	Ant1	Low	Hop_2402	-7.80	-53.81	≤ -27.8	PASS
2DH5	Ant1	High	Hop_2480	-7.48	-56.08	≤ -27.48	PASS

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

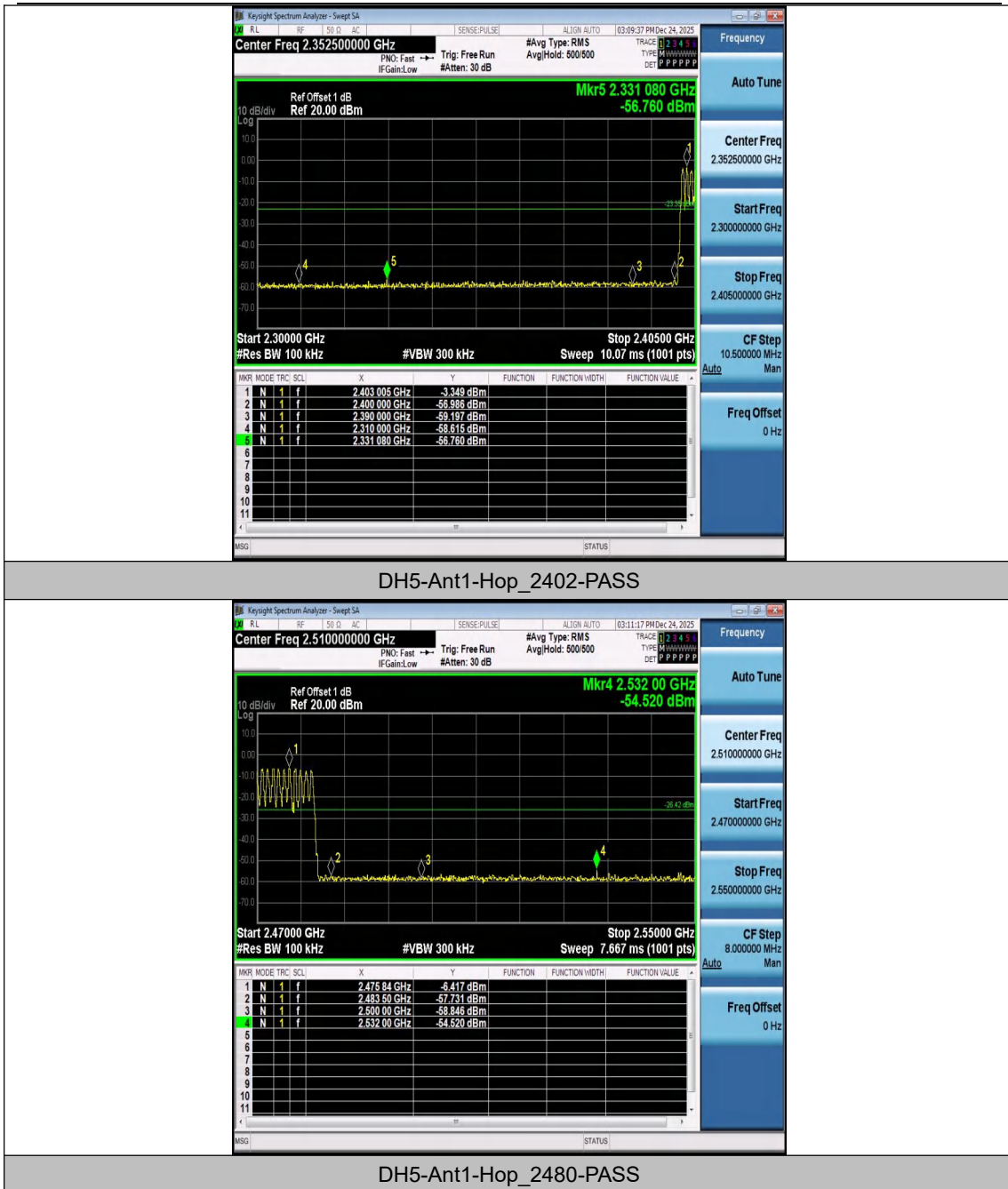
Test Graphs



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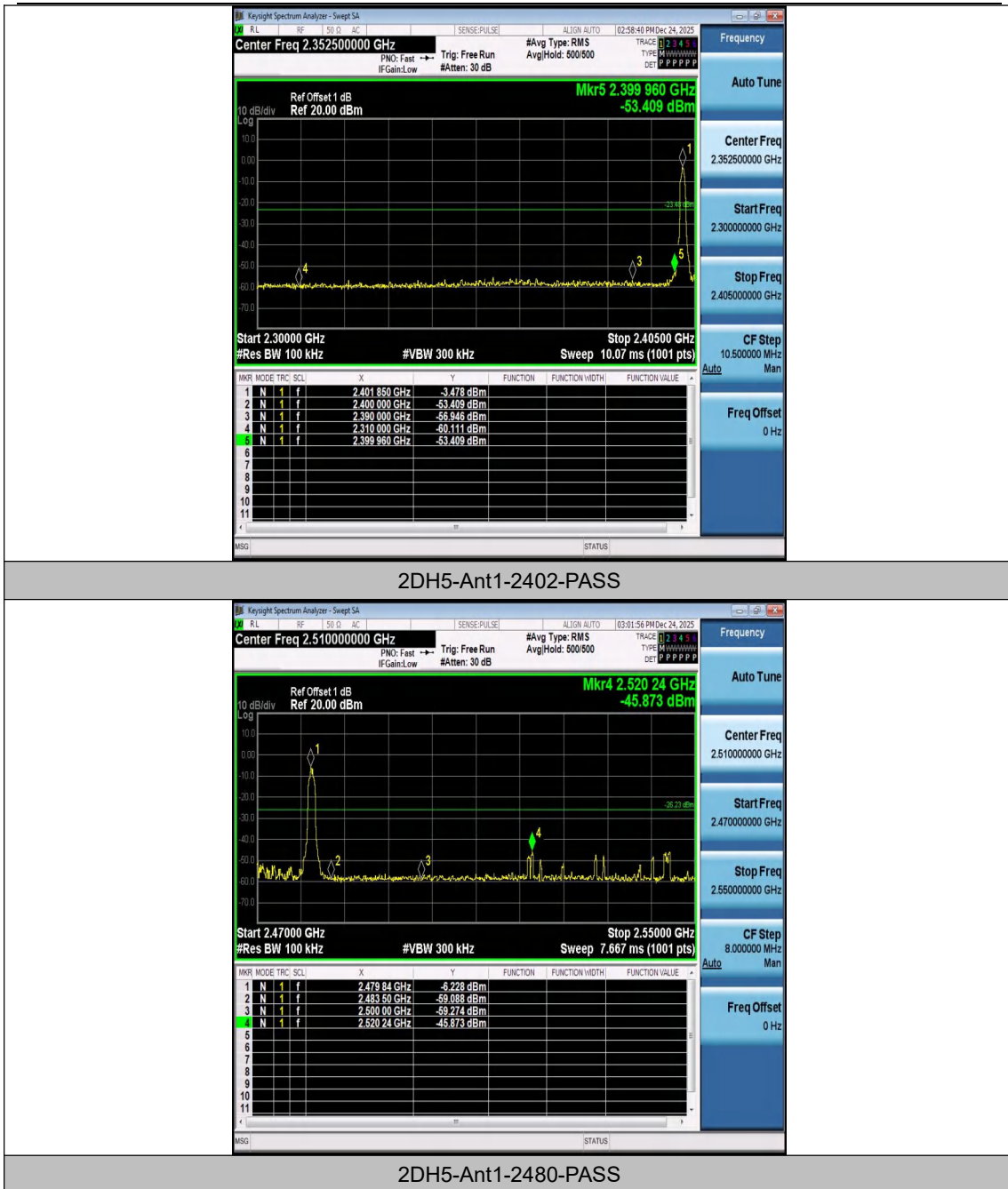
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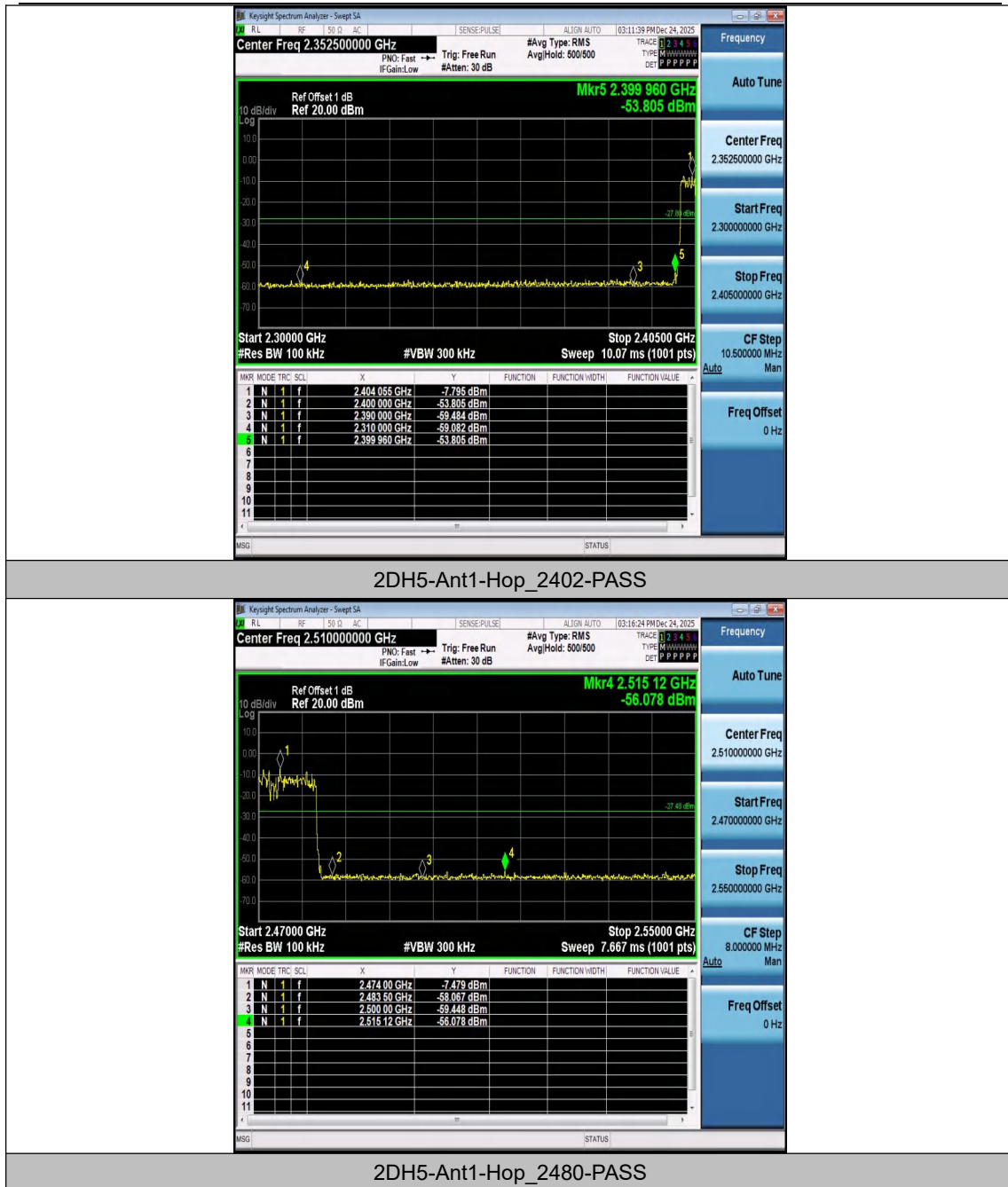
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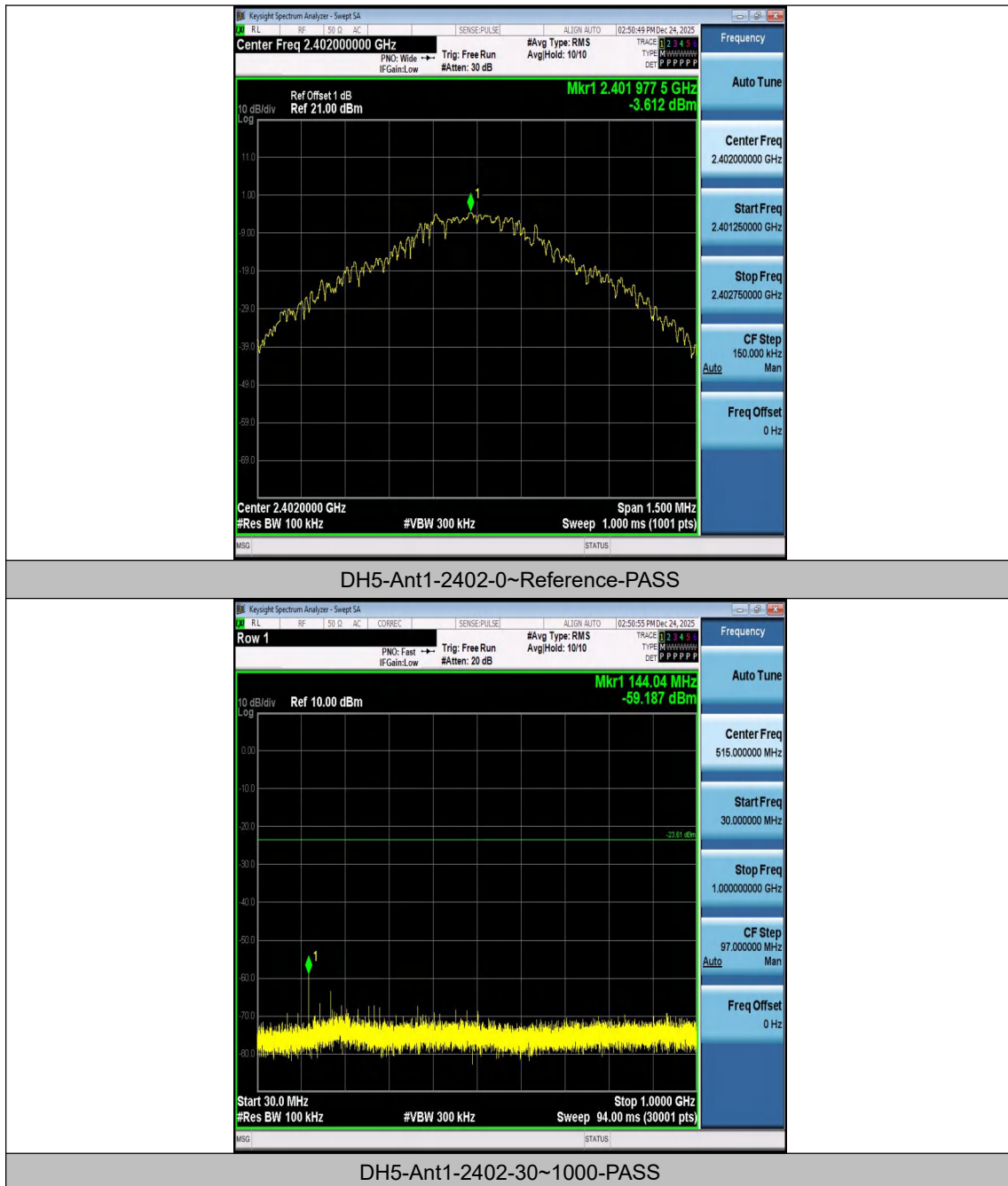
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.61	-3.61	---	PASS
DH5	Ant1	2402	30~1000	-3.61	-59.19	≤-23.61	PASS
DH5	Ant1	2402	1000~26500	-3.61	-36.98	≤-23.61	PASS
DH5	Ant1	2441	0~Reference	-5.68	-5.68	---	PASS
DH5	Ant1	2441	30~1000	-5.68	-59.7	≤-25.68	PASS
DH5	Ant1	2441	1000~26500	-5.68	-35.79	≤-25.68	PASS
DH5	Ant1	2480	0~Reference	-6.62	-6.62	---	PASS
DH5	Ant1	2480	30~1000	-6.62	-58.81	≤-26.62	PASS
DH5	Ant1	2480	1000~26500	-6.62	-36.86	≤-26.62	PASS
2DH5	Ant1	2402	0~Reference	-6.69	-6.69	---	PASS
2DH5	Ant1	2402	30~1000	-6.69	-58.23	≤-26.69	PASS
2DH5	Ant1	2402	1000~26500	-6.69	-36.58	≤-26.69	PASS
2DH5	Ant1	2441	0~Reference	-5.94	-5.94	---	PASS
2DH5	Ant1	2441	30~1000	-5.94	-60.02	≤-25.94	PASS
2DH5	Ant1	2441	1000~26500	-5.94	-37.44	≤-25.94	PASS
2DH5	Ant1	2480	0~Reference	-8.94	-8.94	---	PASS
2DH5	Ant1	2480	30~1000	-8.94	-59.74	≤-28.94	PASS
2DH5	Ant1	2480	1000~26500	-8.94	-37.11	≤-28.94	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.

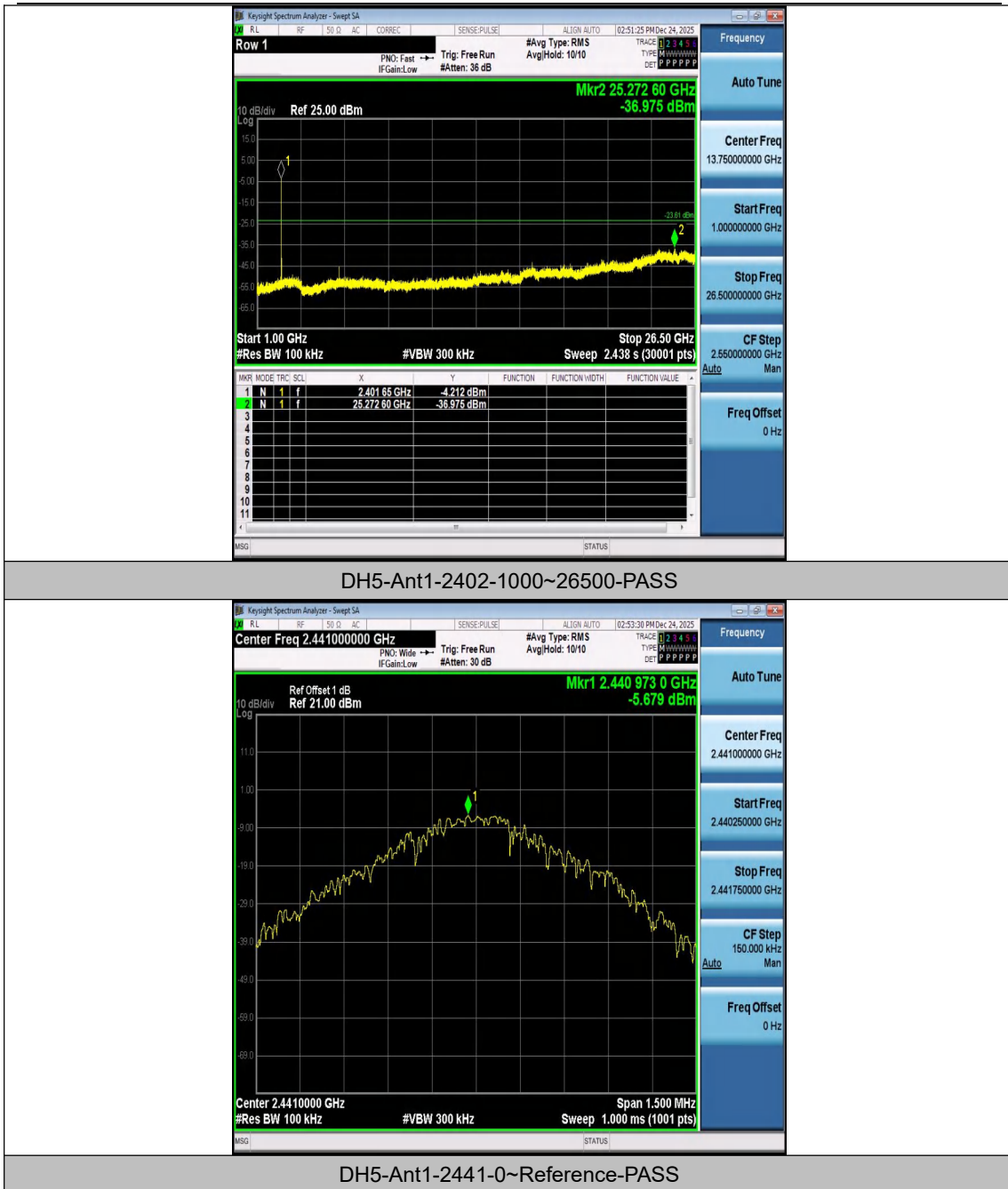
Test Graphs



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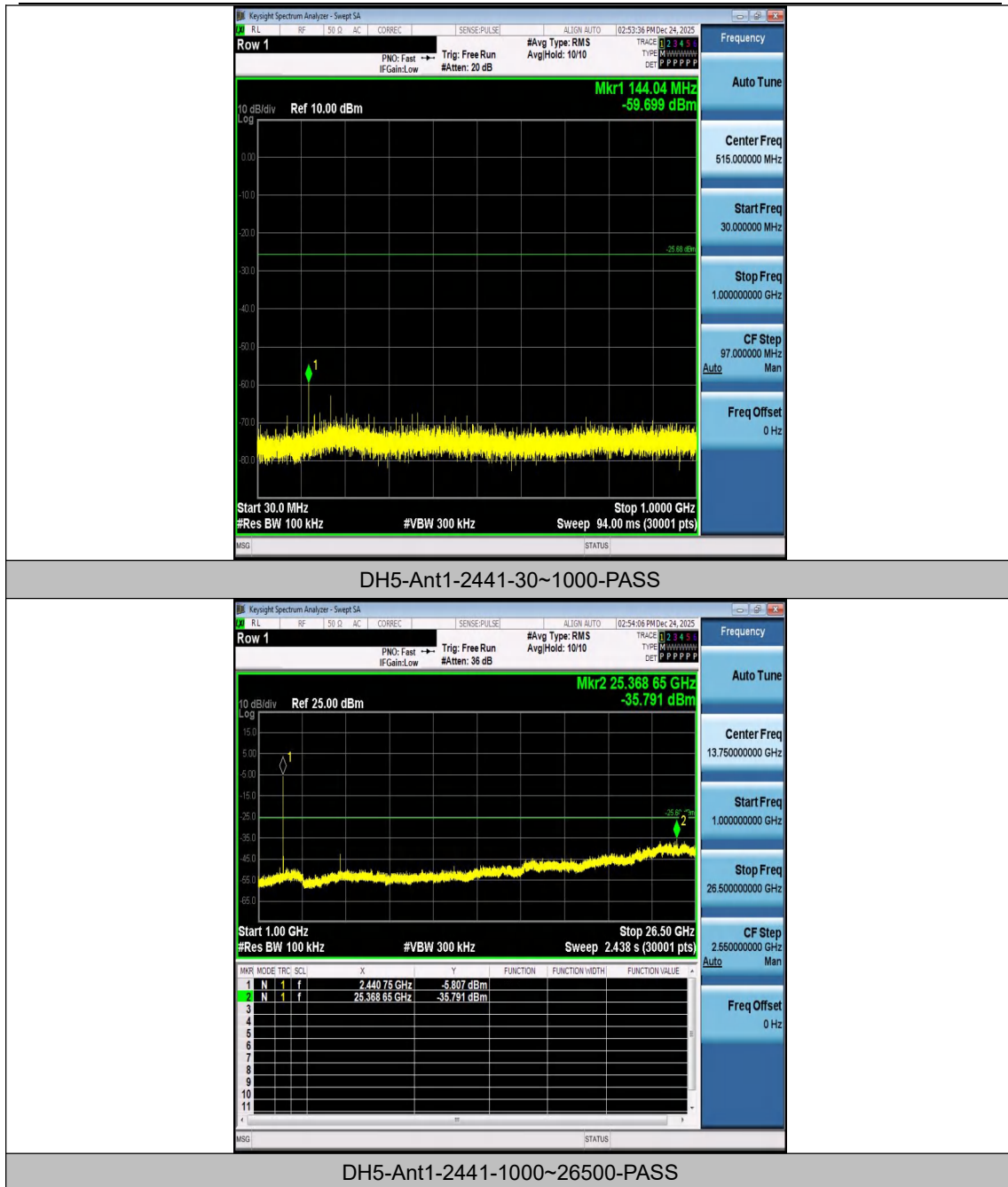
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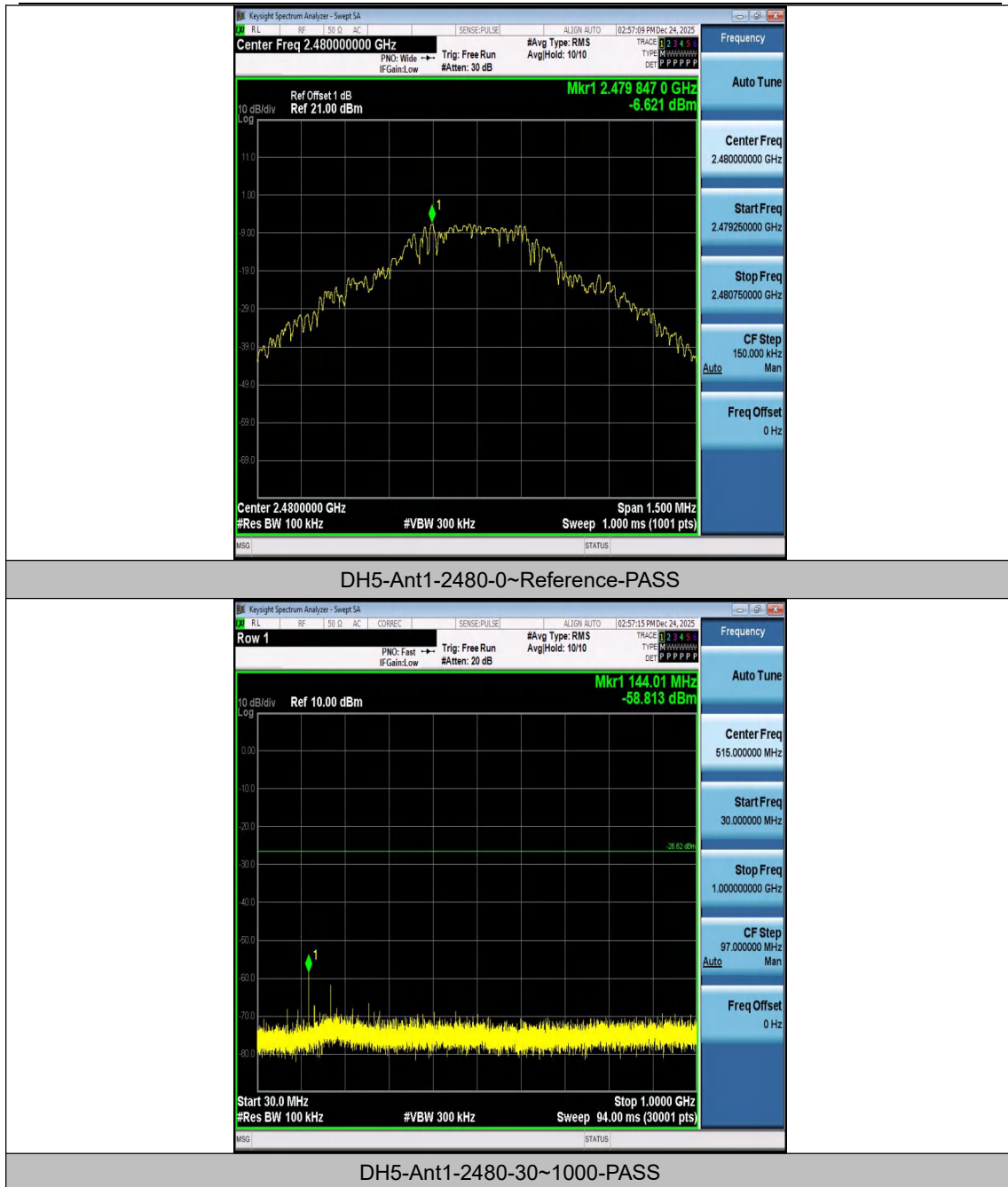


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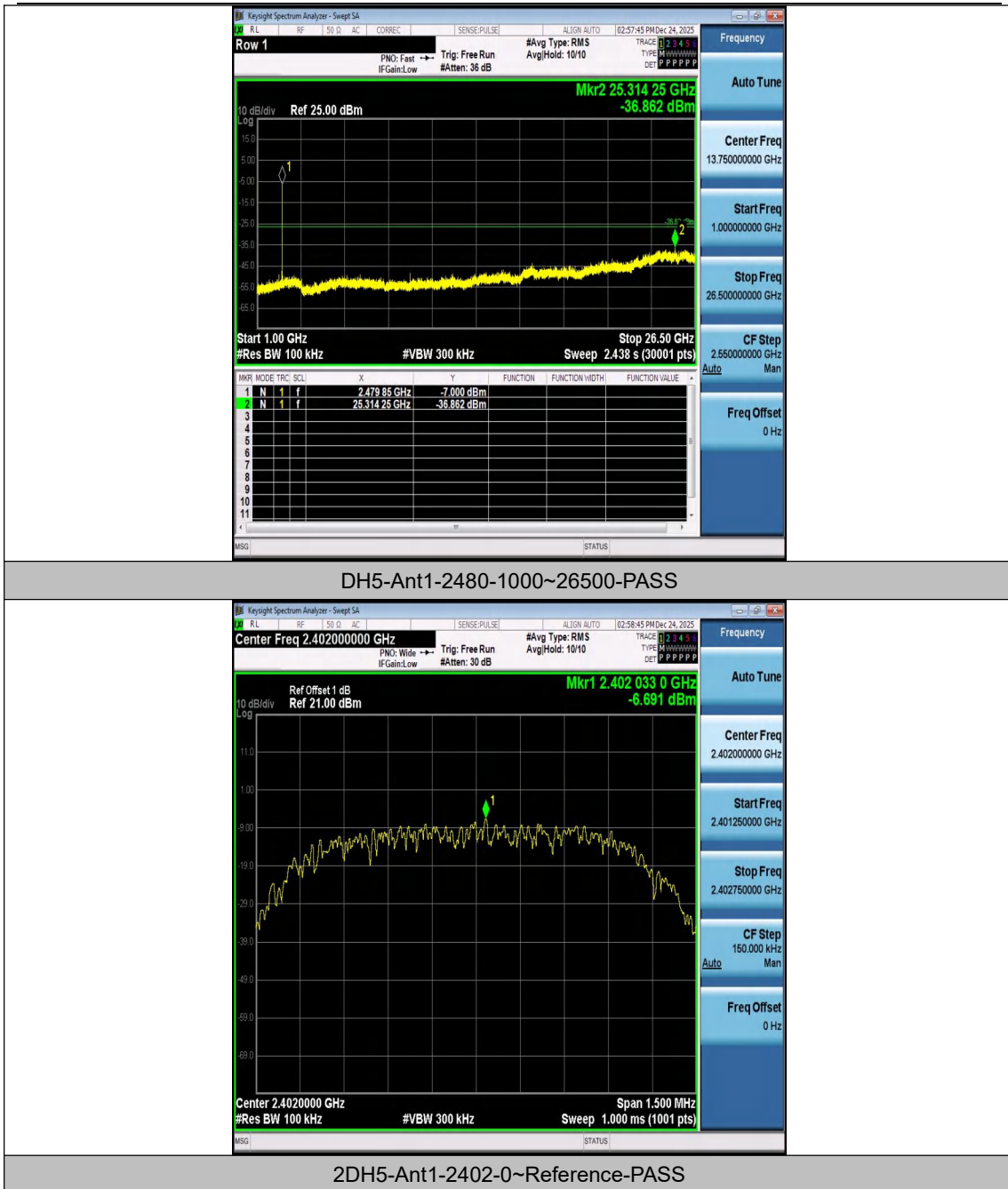


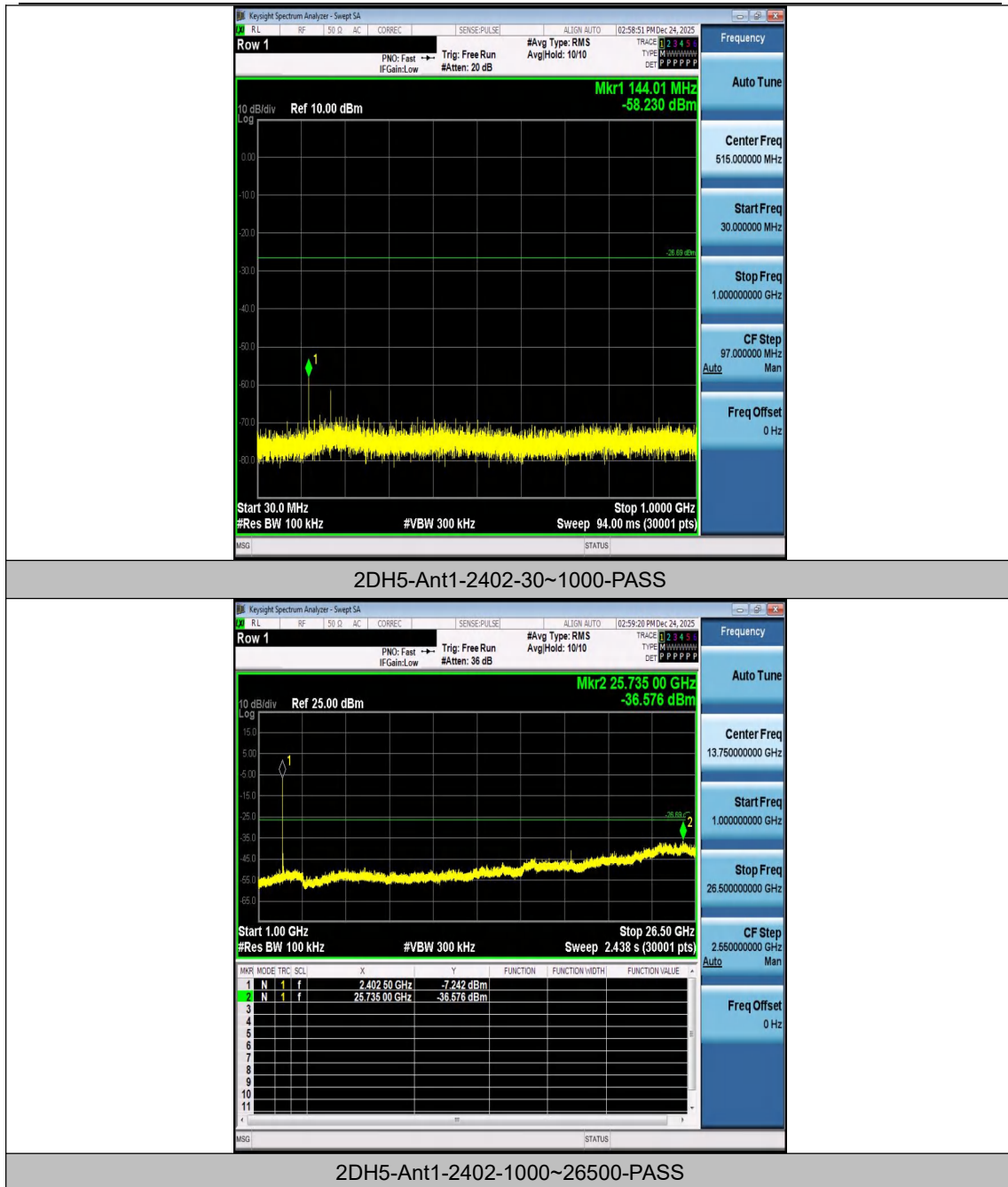


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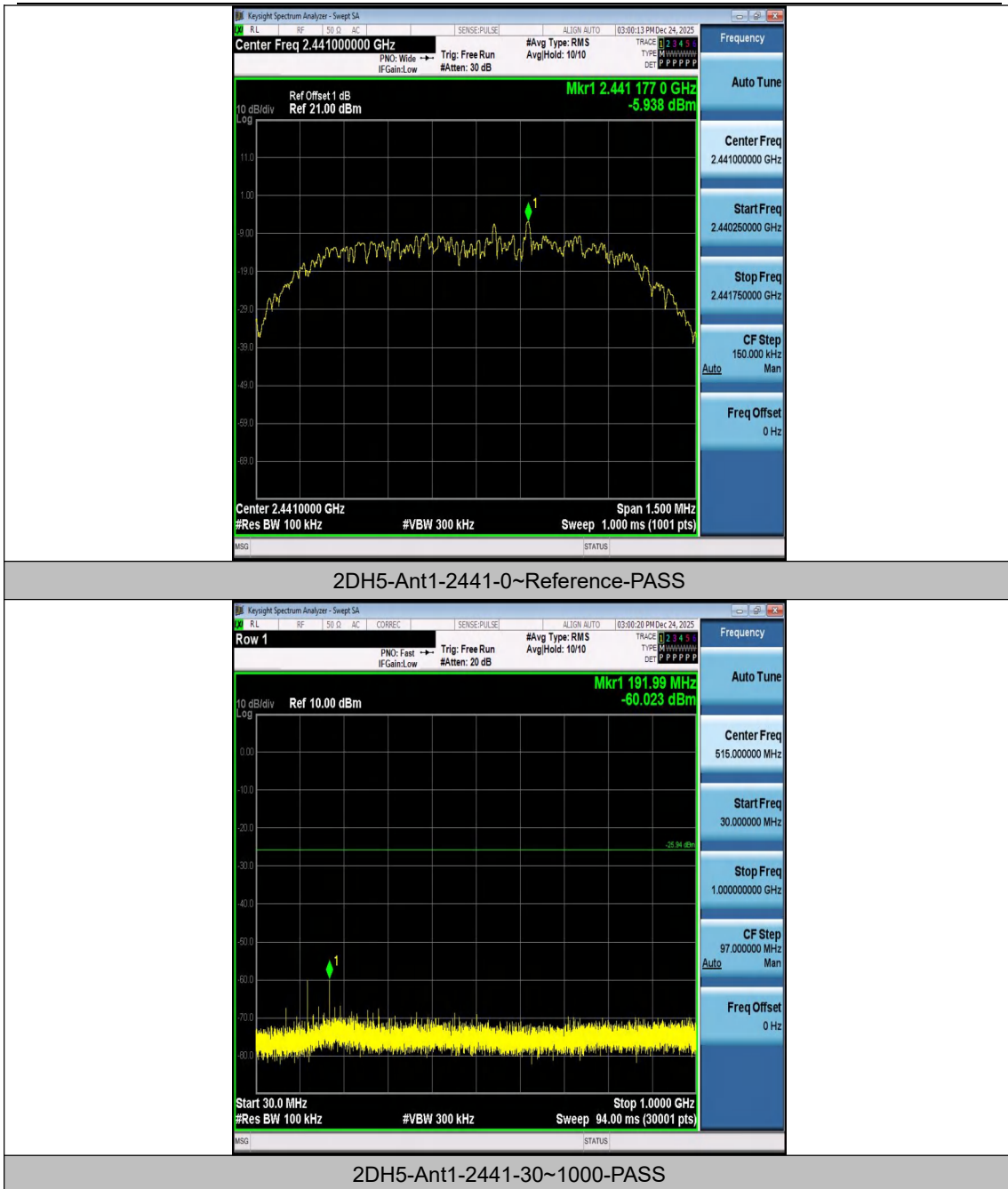




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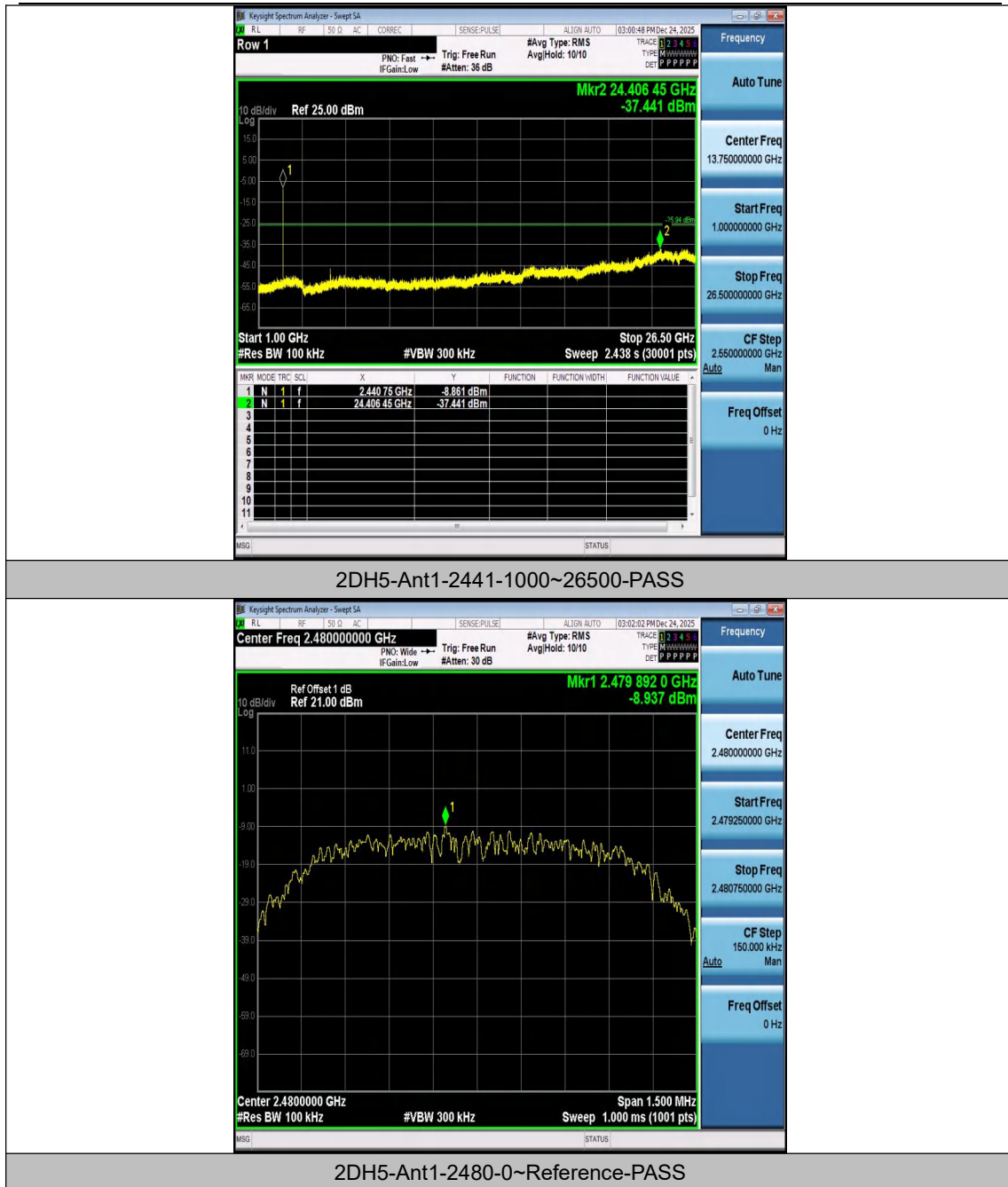
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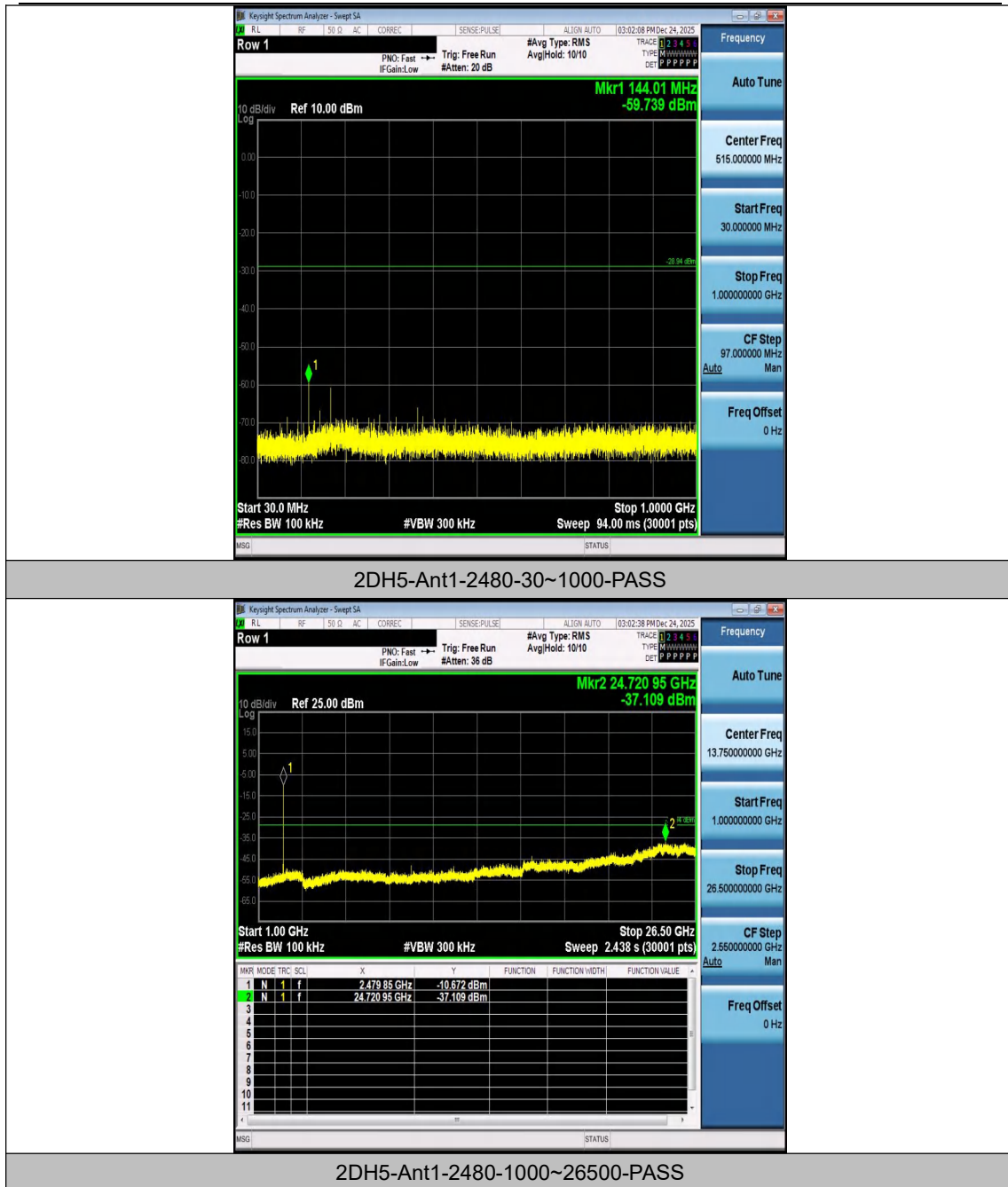
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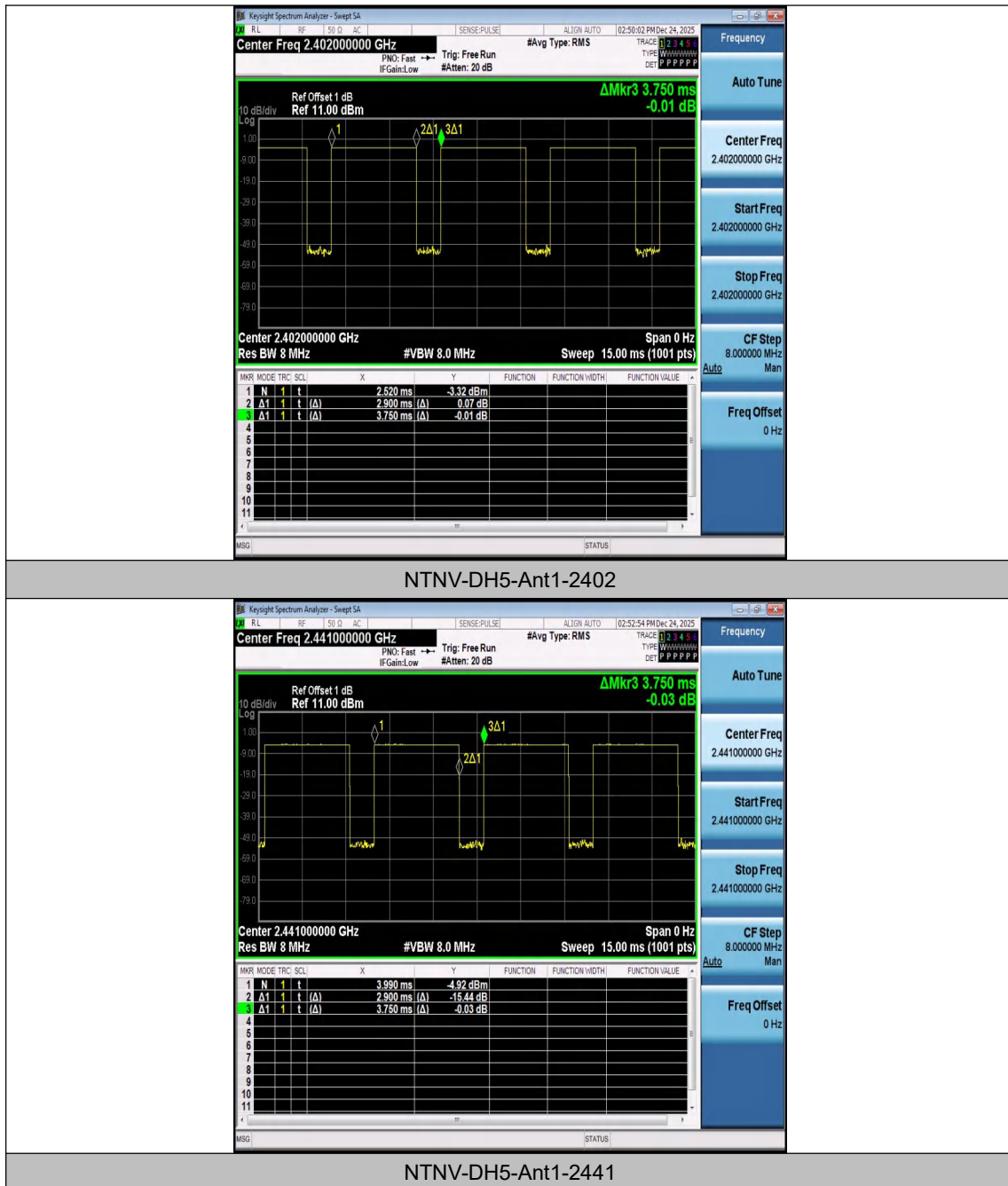
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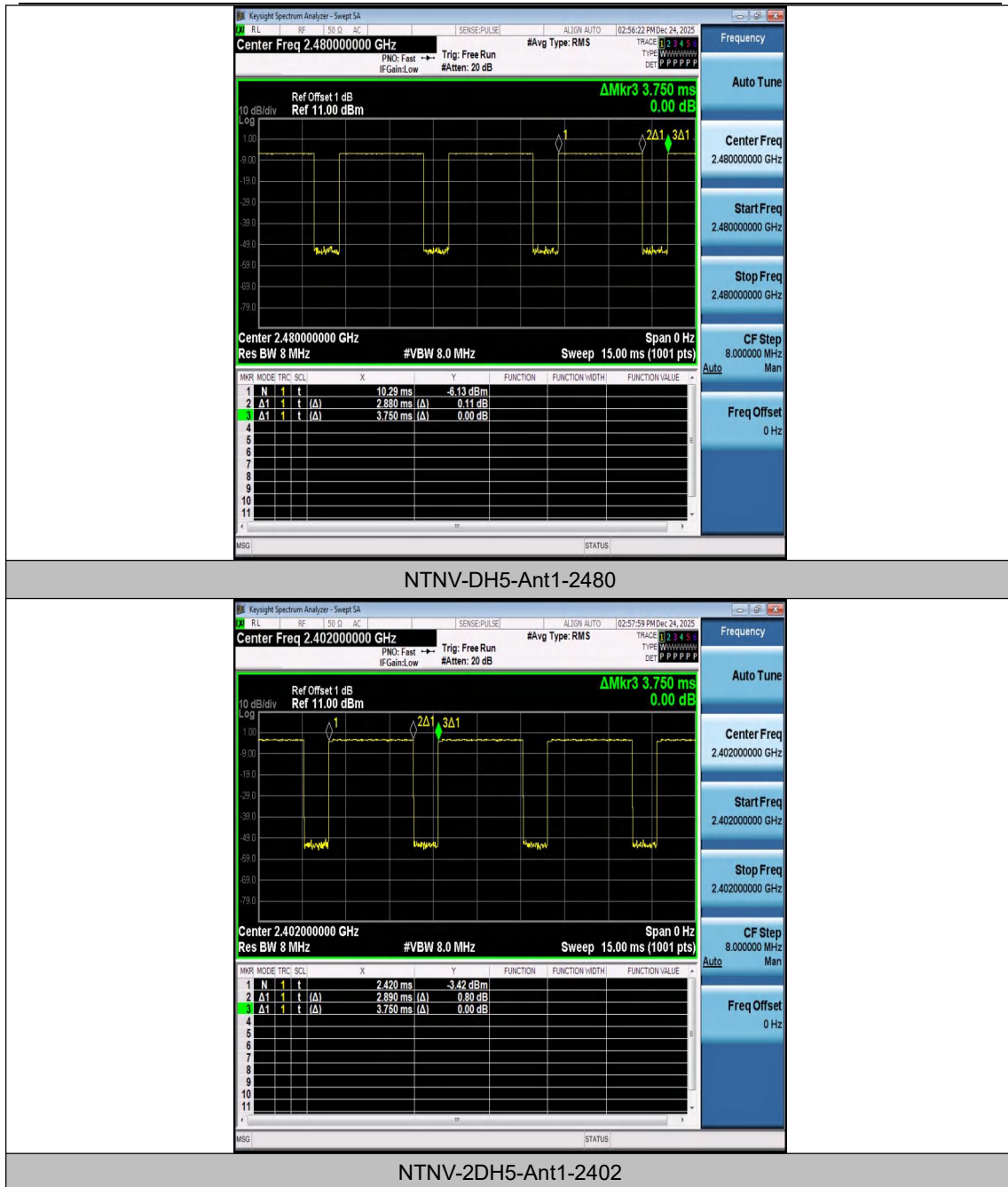
Appendix I: Duty Cycle

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	2.88	3.75	76.80	1.15
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	2.90	3.75	77.33	1.12

Test Graphs

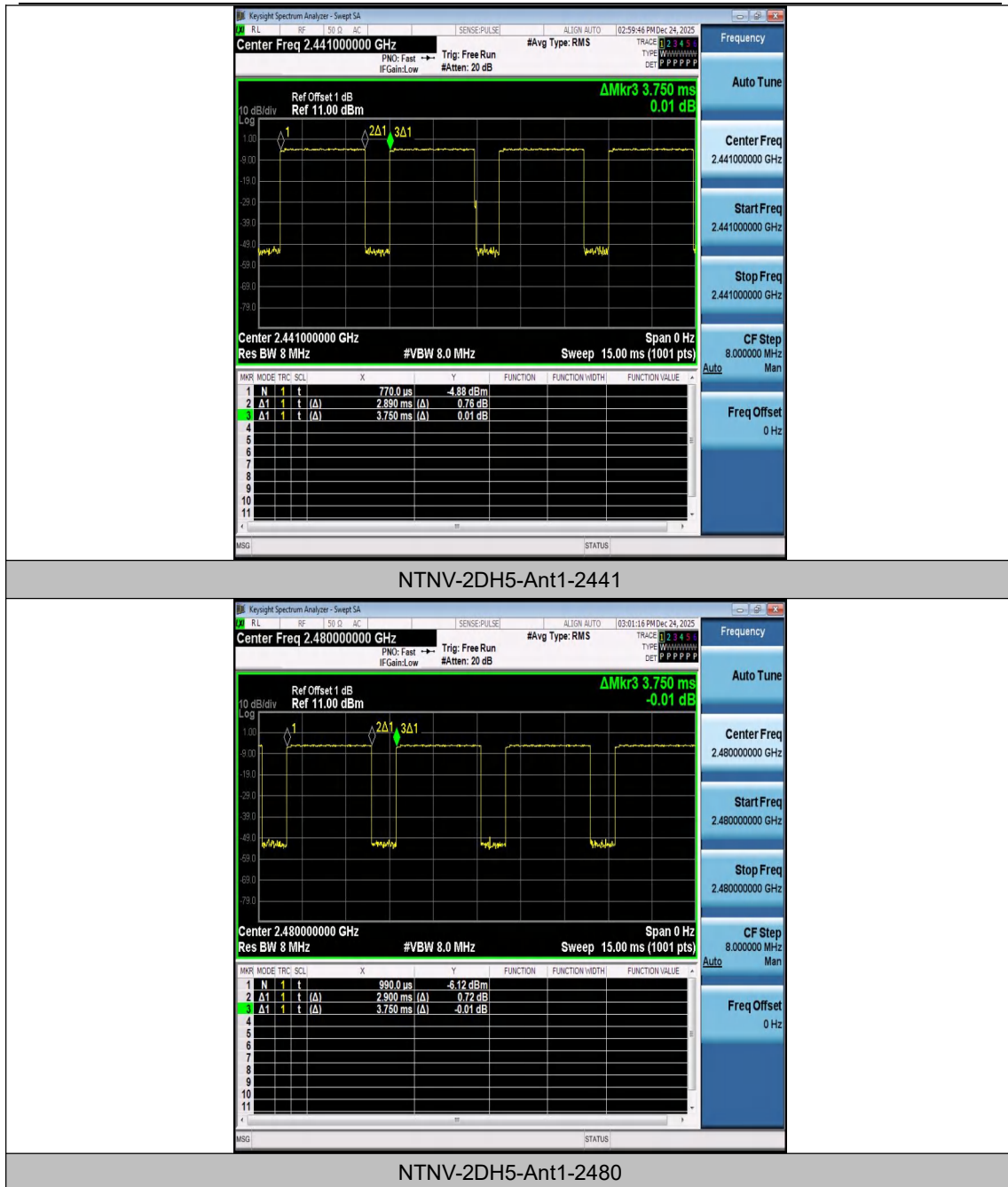




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