

TEST REPORT

Report No.: MTi241125022-41E1

Photographs of the test setup

Refer to Appendix - Test Setup Photos

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Photographs of the EUT

Refer to Appendix - EUT Photos

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Appendix

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Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.948
		2441	0.960
		2480	0.960
2DH5	Ant1	2402	1.293
		2441	1.284
		2480	1.317

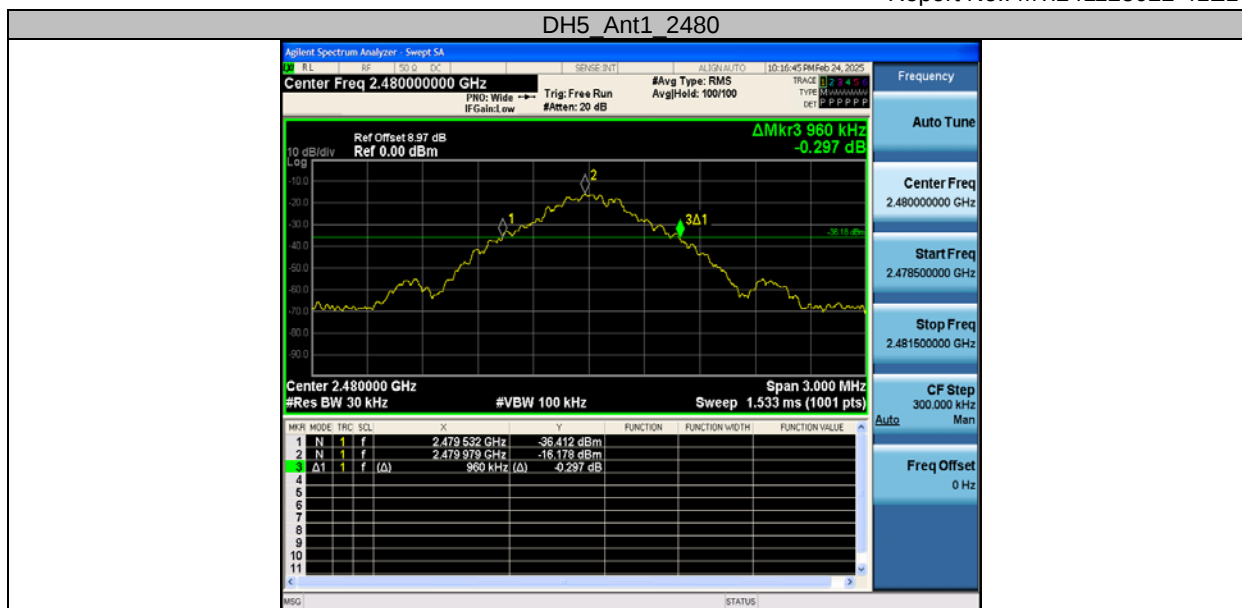
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Appendix B: Maximum conducted output power

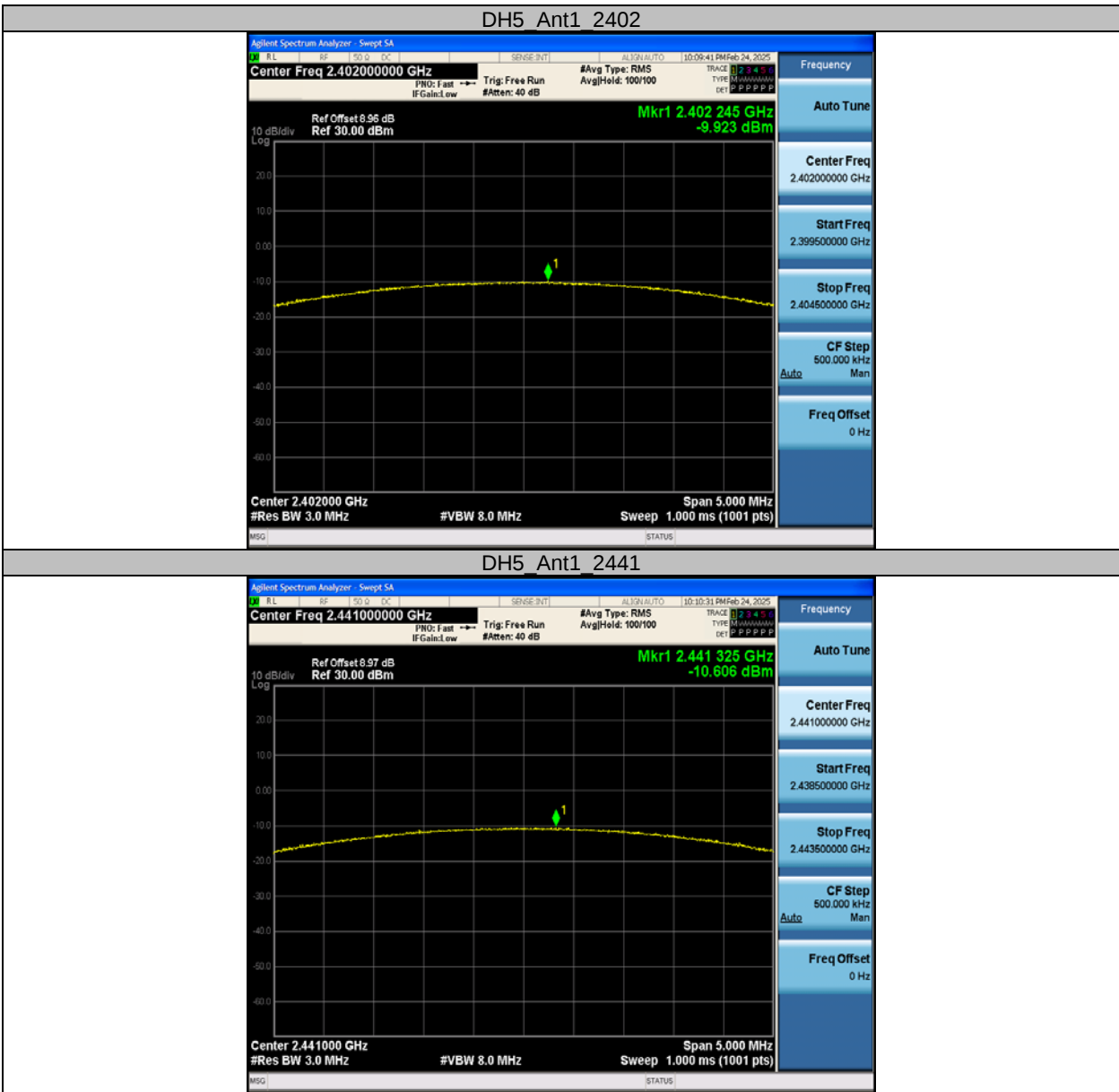
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	-9.92	≤20.97	PASS
		2441	-10.48	≤20.97	PASS
		2480	-11.05	≤20.97	PASS
2DH5	Ant1	2402	-9.72	≤20.97	PASS
		2441	-10.06	≤20.97	PASS
		2480	-10.68	≤20.97	PASS

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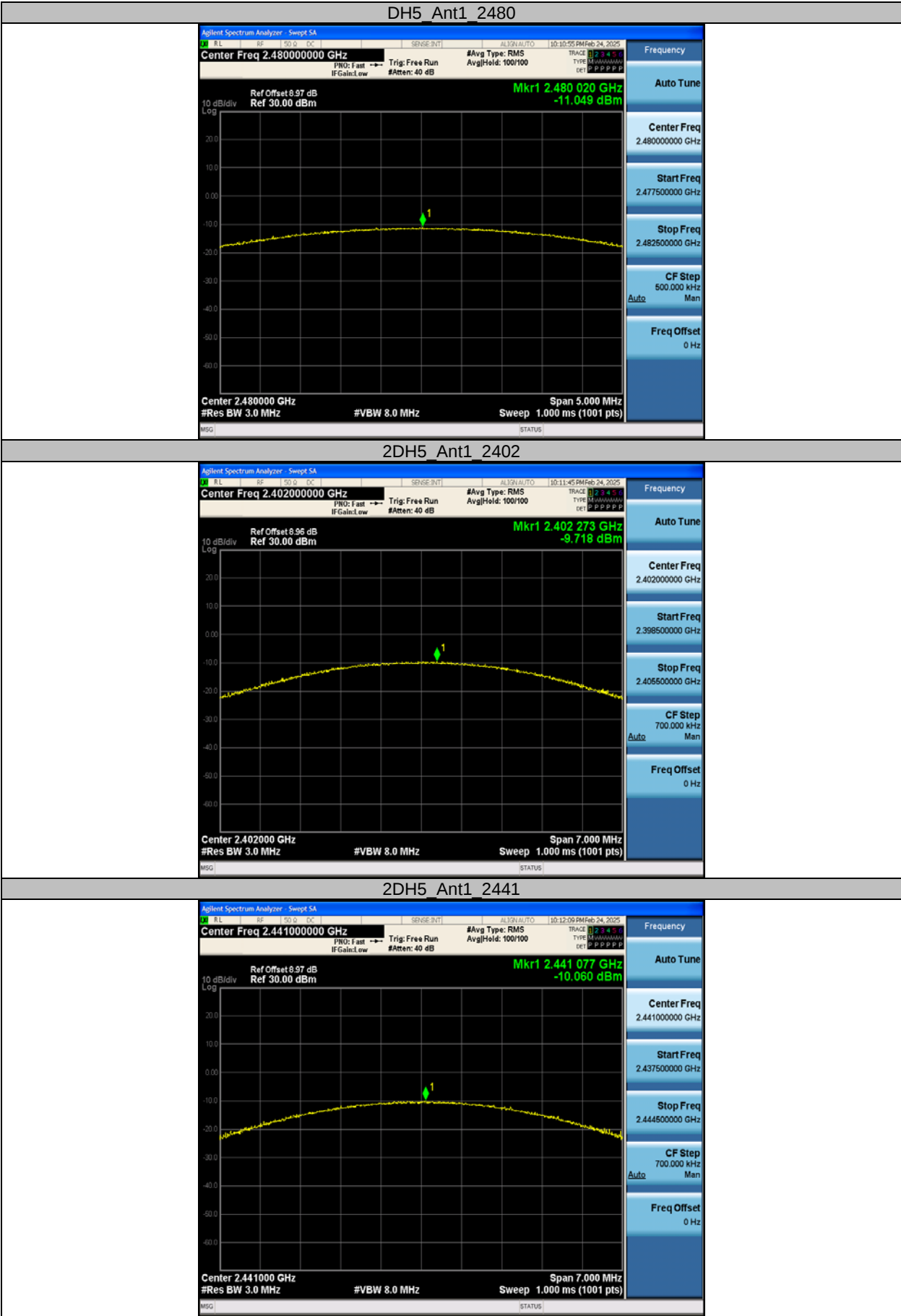
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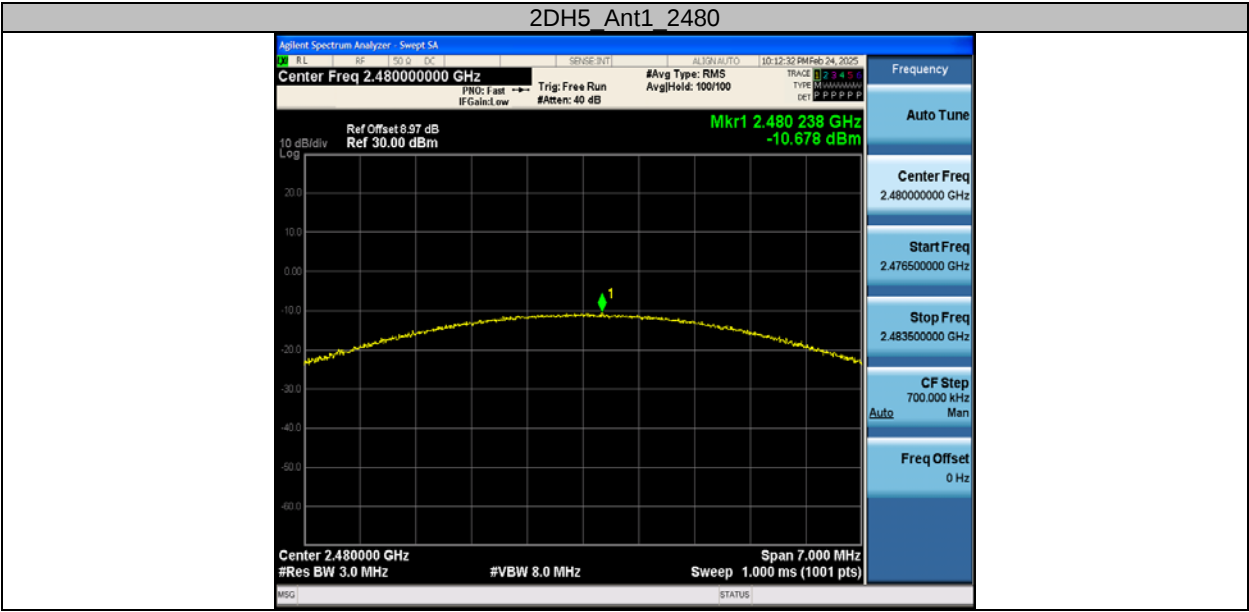
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Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.676	≥0.640	PASS
2DH5	Ant1	Hop	0.986	≥0.878	PASS

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Appendix D: Time of occupancy

Test Result

Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	Hops in 31.6s [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.381	317	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.637	161	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.885	103	0.297	≤0.4	PASS
2DH1	Ant1	Hop	0.391	317	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.642	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.891	102	0.295	≤0.4	PASS

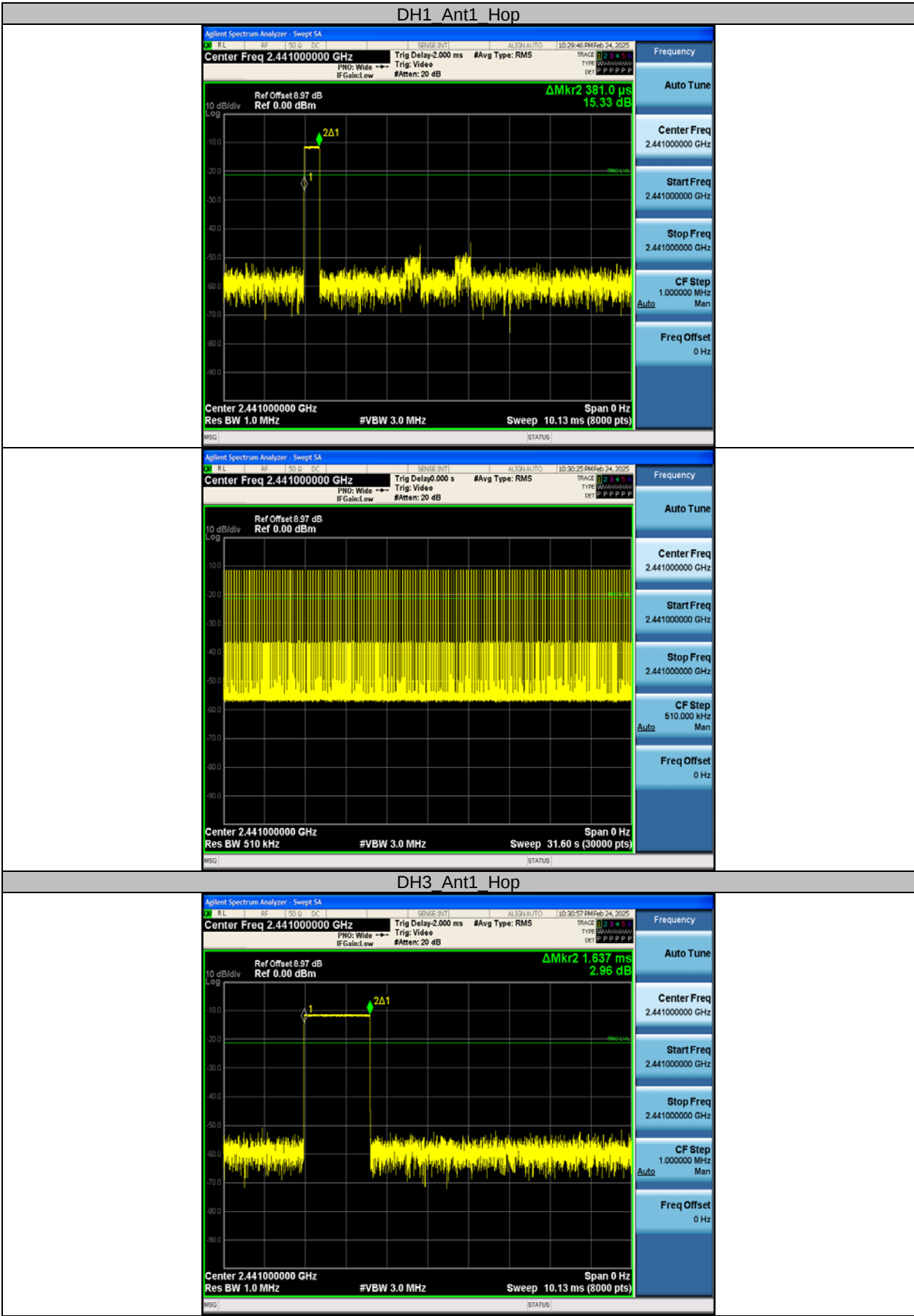
Notes:

1. Period time = 0.4s * 79 = 31.6s
2. Result (Time of occupancy) = BurstWidth[ms] * Hops in 31.6s [Num]

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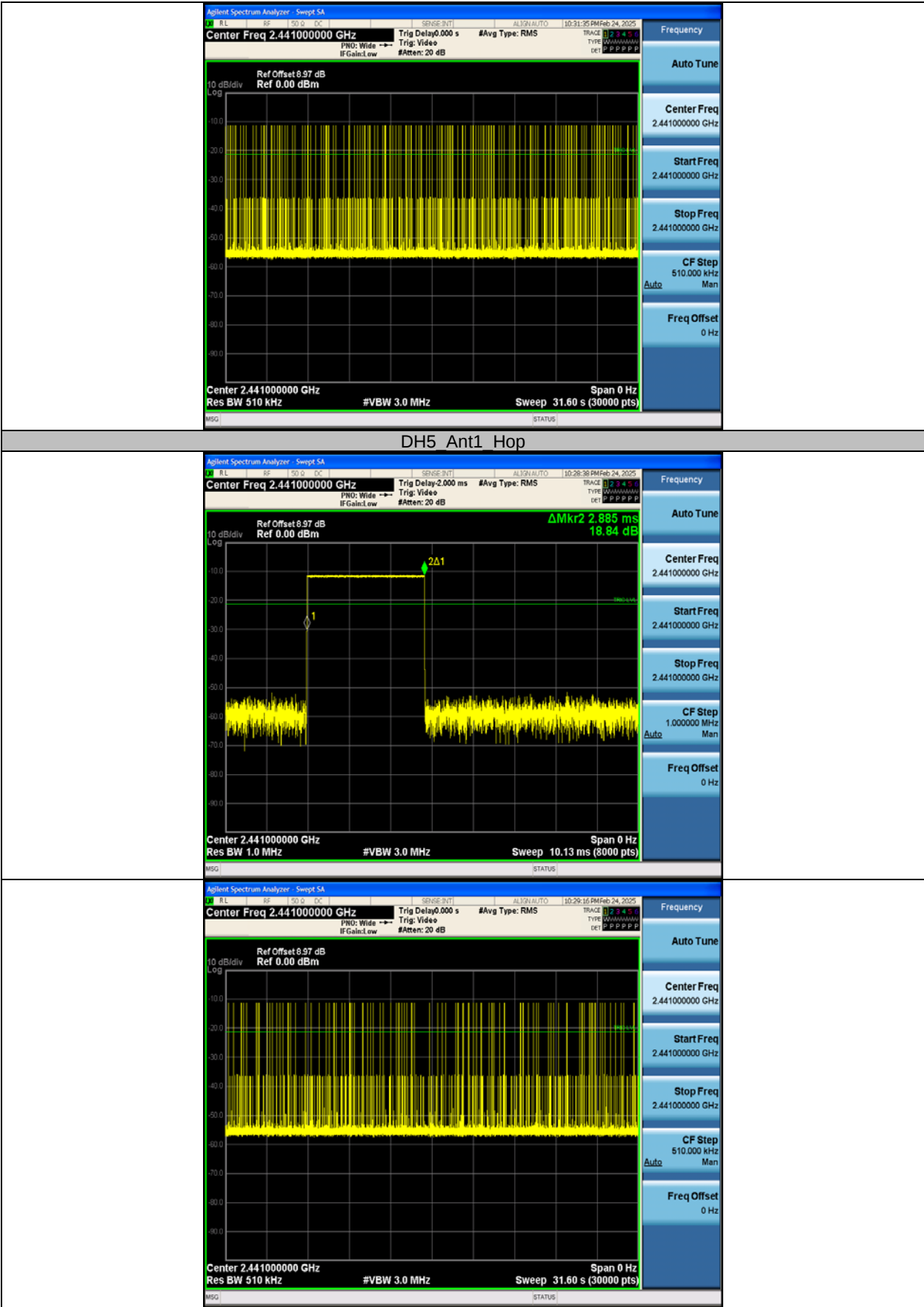
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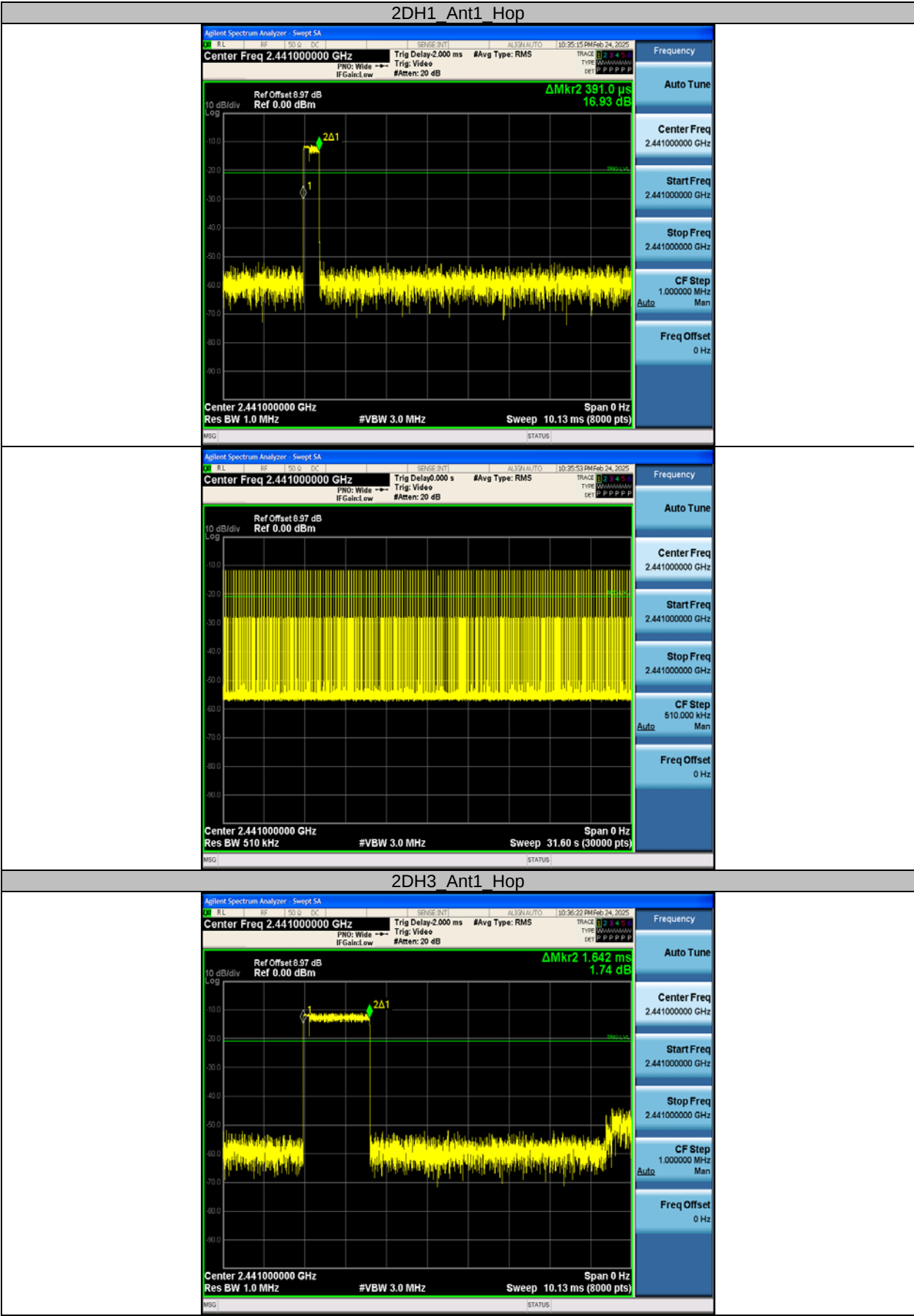
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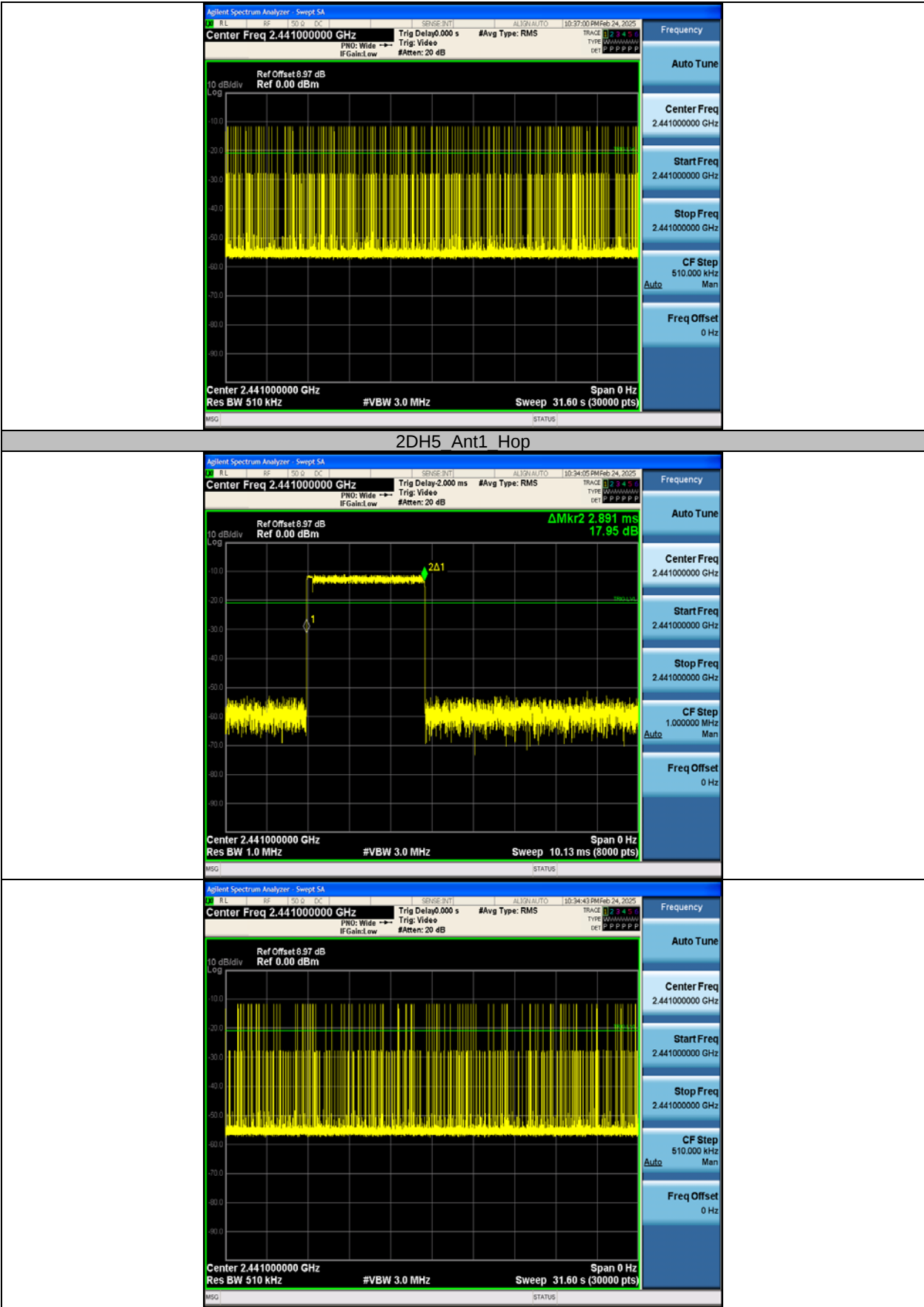
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Appendix E: Number of hopping channels

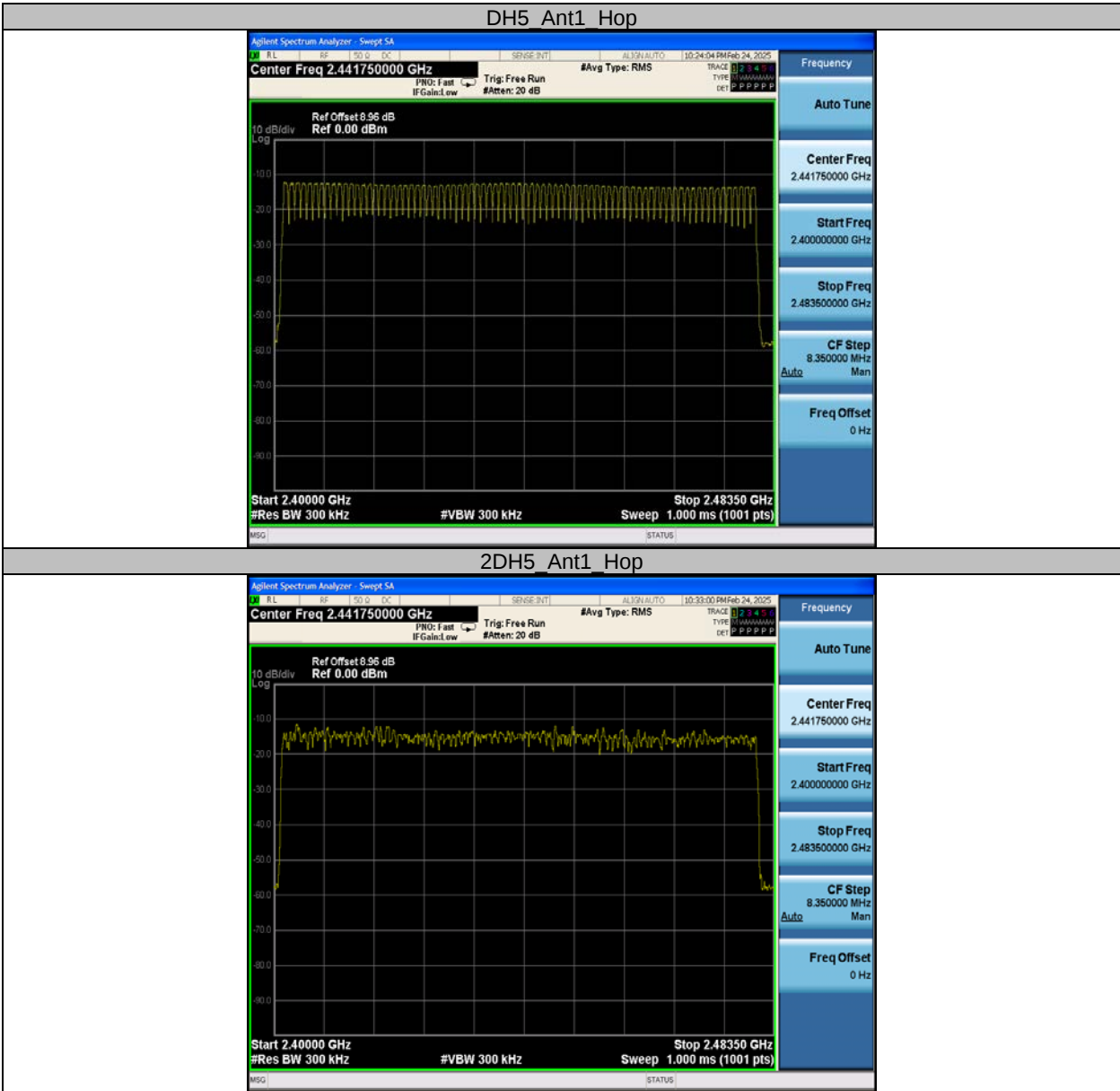
Test Result

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

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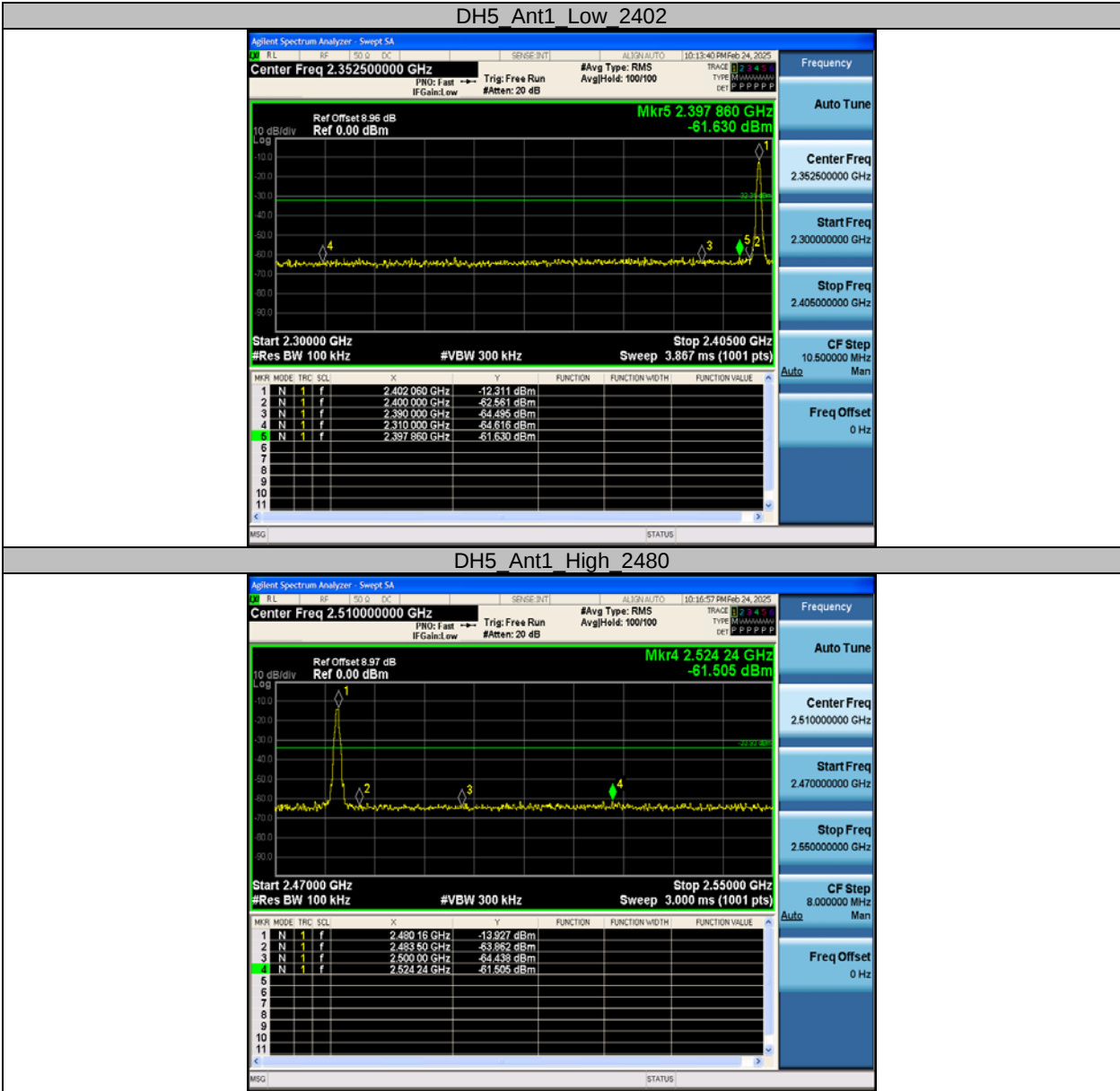


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Appendix F: Band edge measurements

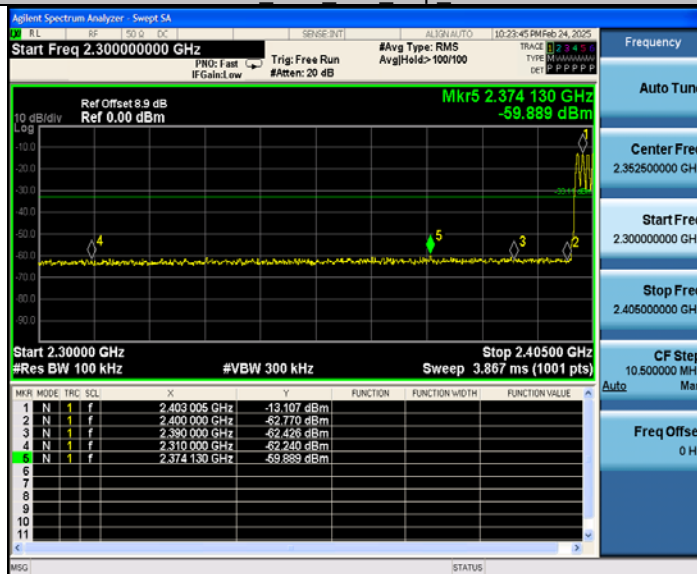
Test Graphs



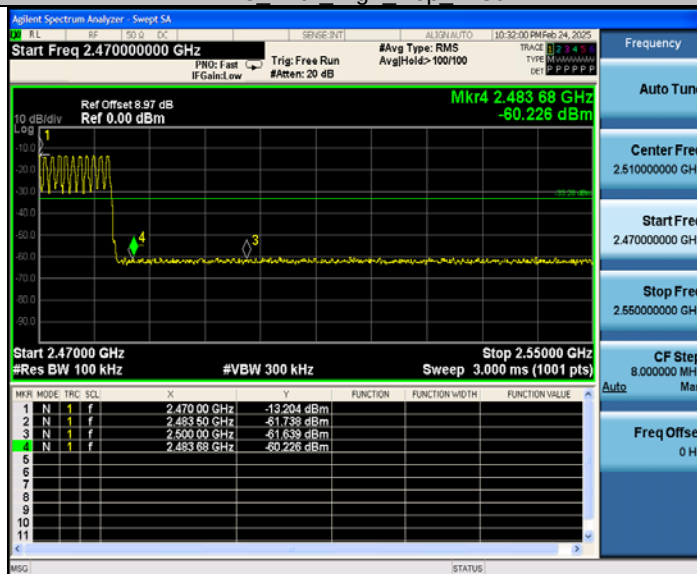
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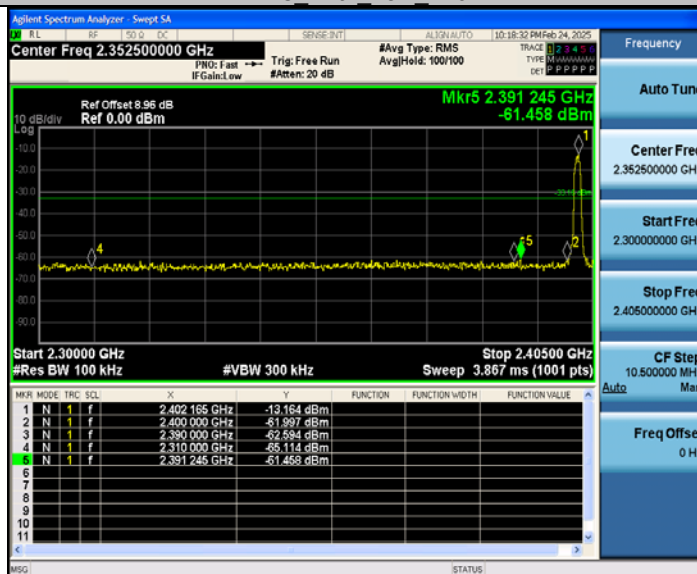
DH5 Ant1 Low Hop 2402



DH5 Ant1 High Hop 2480



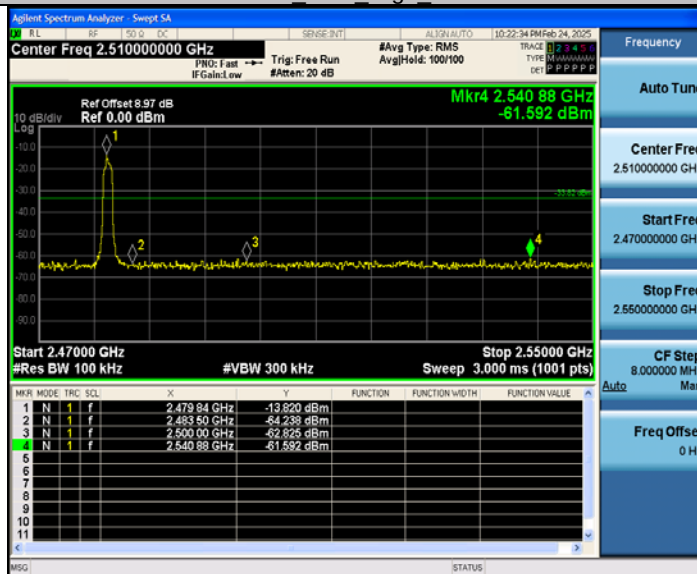
2DH5 Ant1 Low 2402



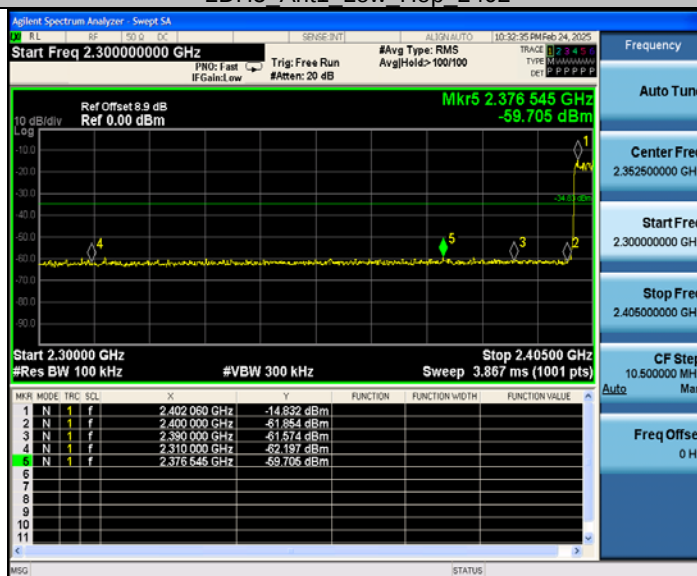
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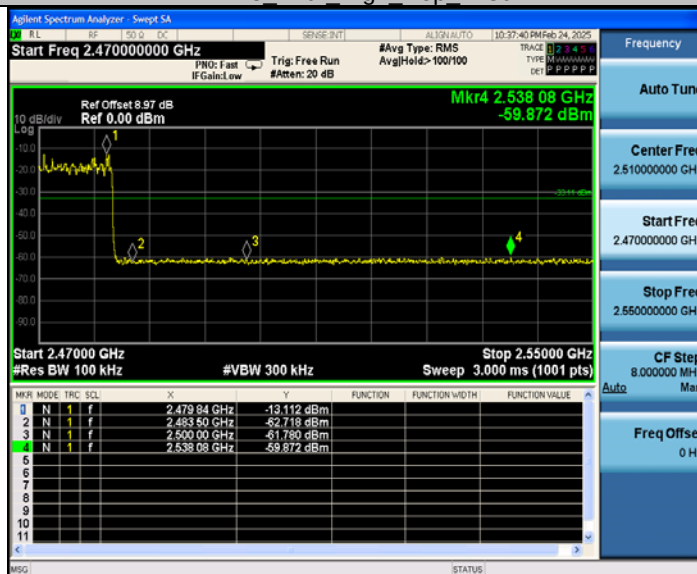
2DH5 Ant1 High 2480



2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480

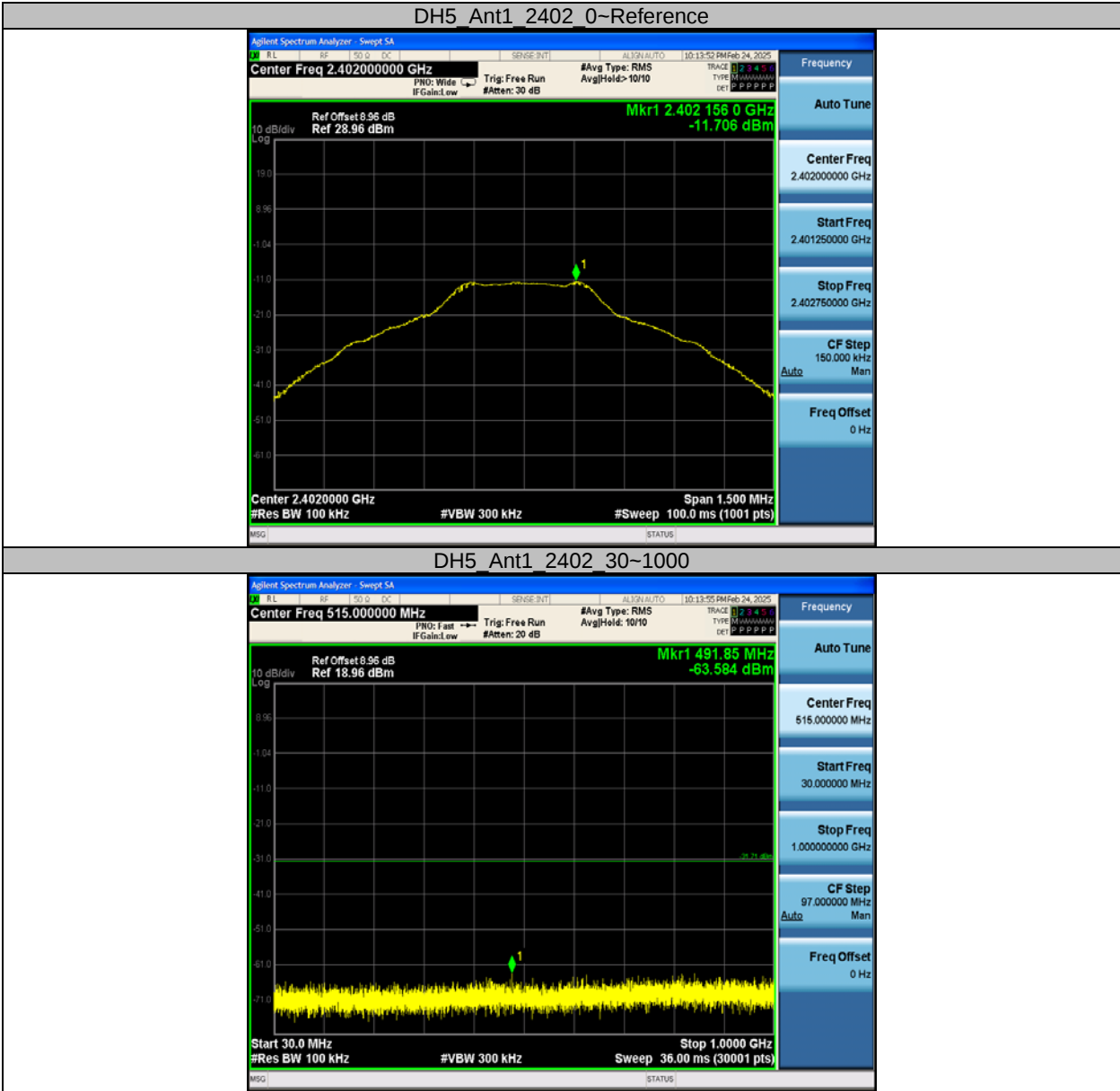


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Appendix G: Conducted Spurious Emission

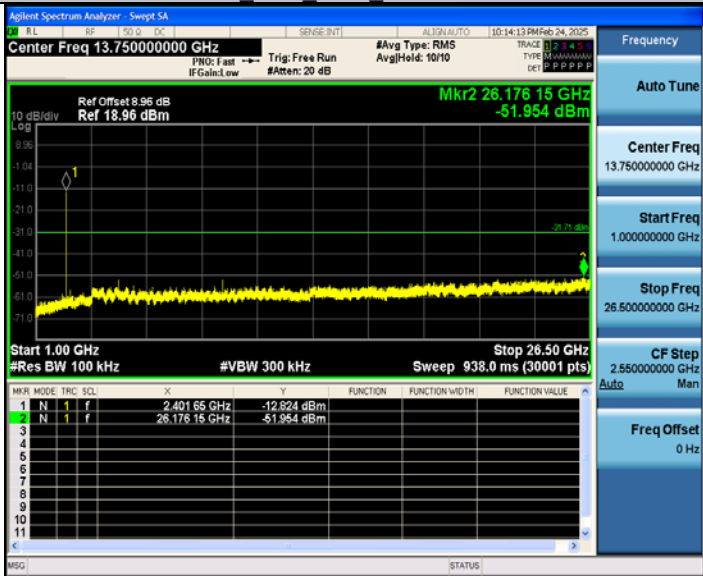
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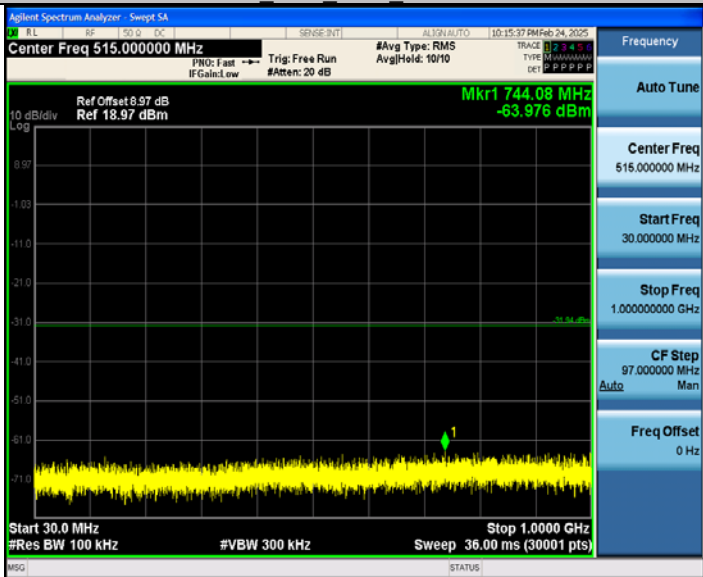
DH5 Ant1 2402 1000~26500



DH5 Ant1 2441 0~Reference



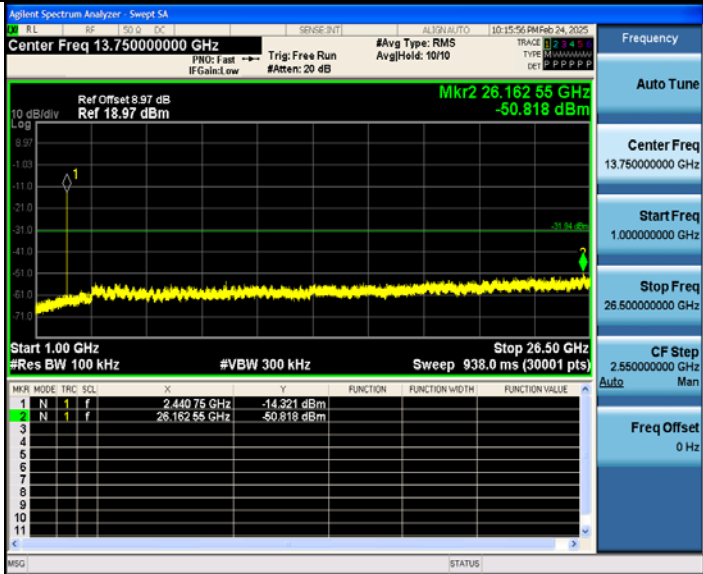
DH5 Ant1 2441 30~1000



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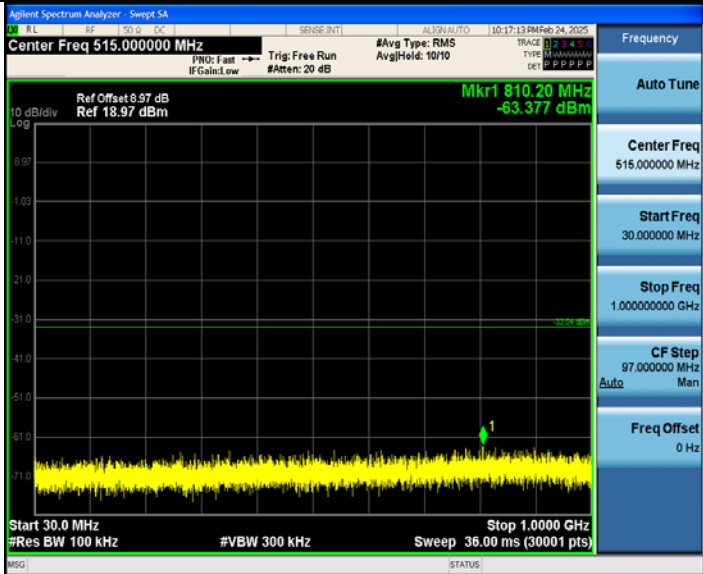
DH5 Ant1 2441 1000~26500



DH5 Ant1 2480 0~Reference



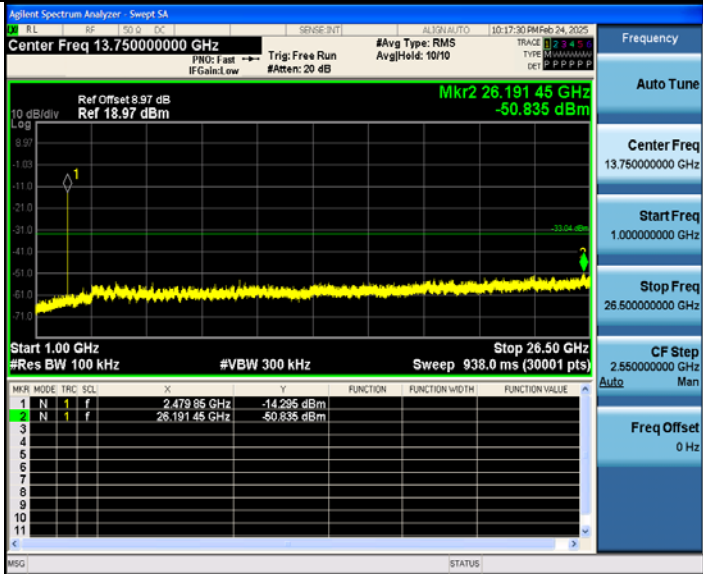
DH5 Ant1 2480 30~1000



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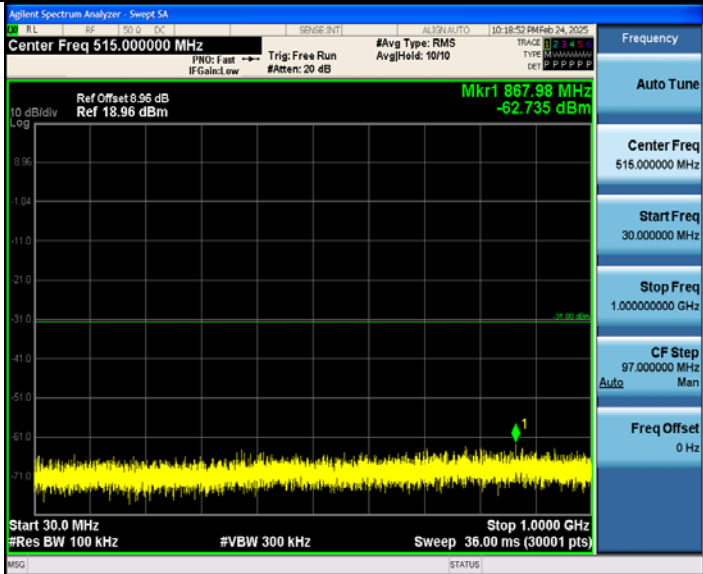
DH5 Ant1 2480 1000~26500



2DH5 Ant1 2402 0~Reference

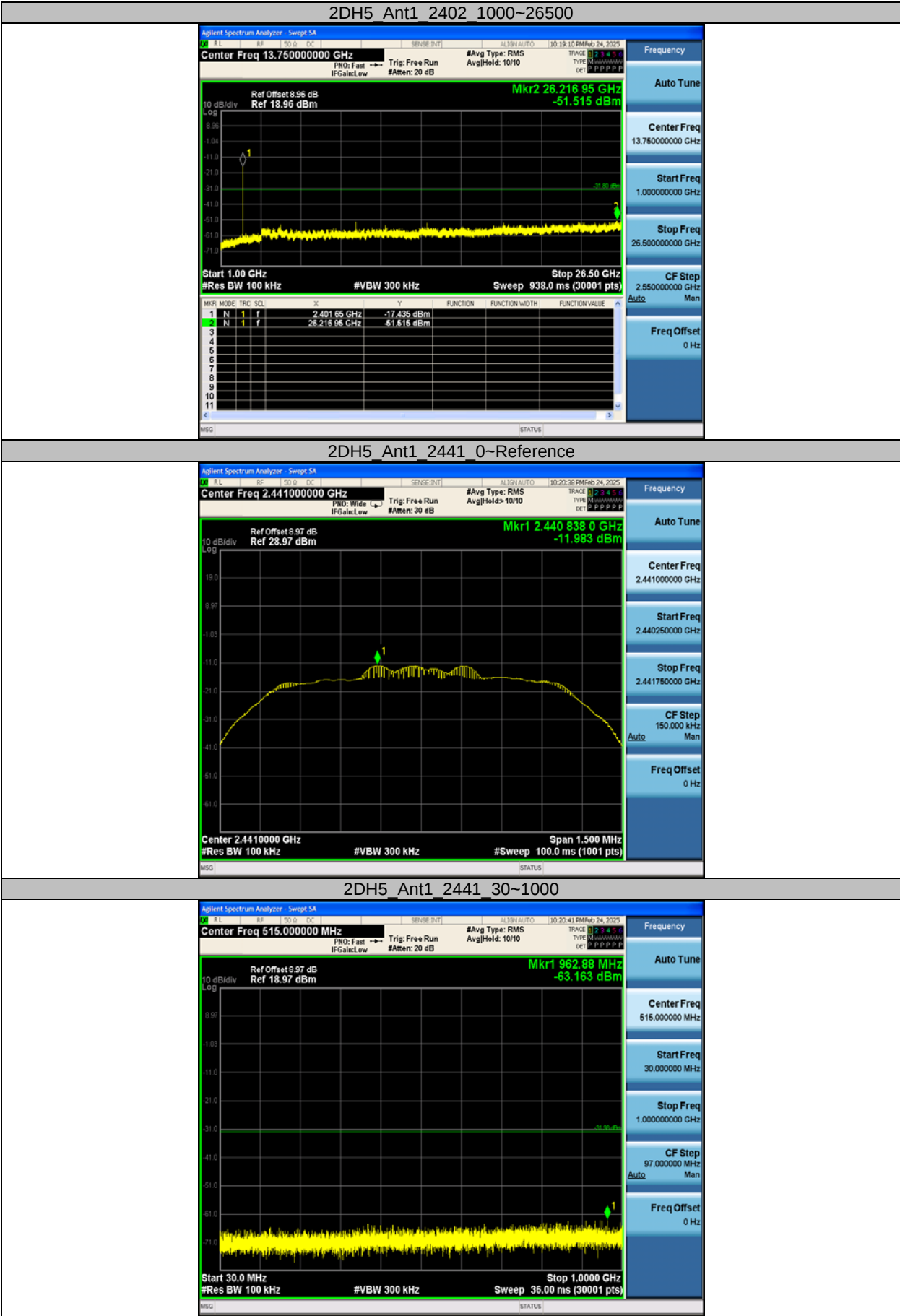


2DH5 Ant1 2402 30~1000



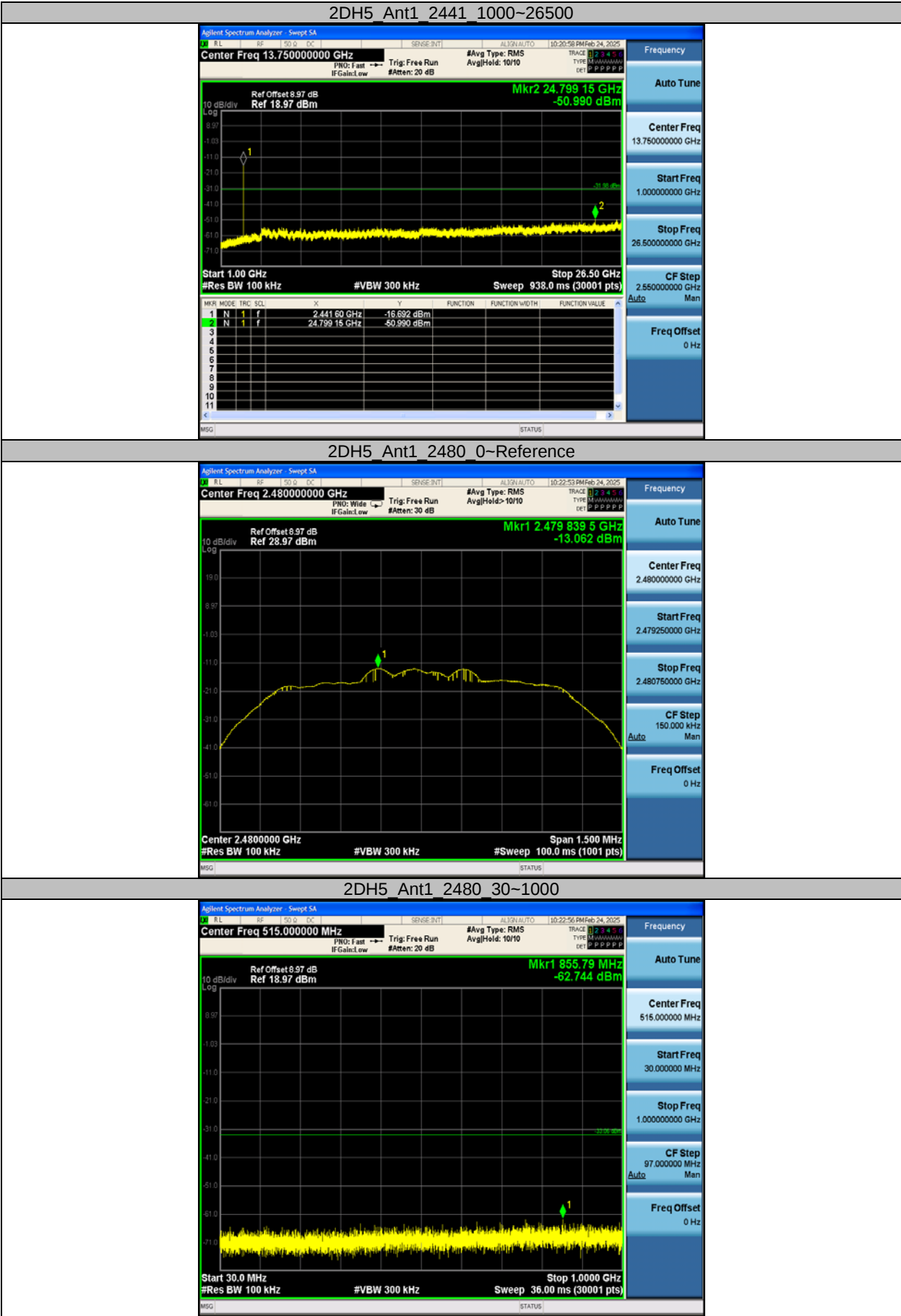
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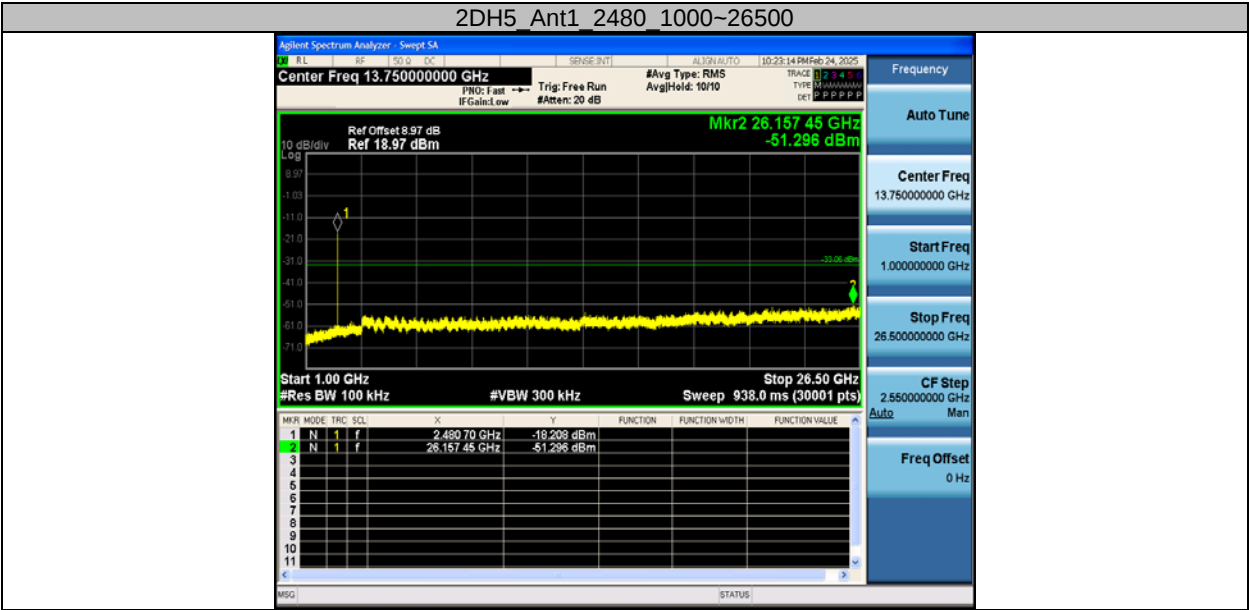
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***** END OF REPORT *****