

Appendix Test Data

Report No.:	1812C50119912501	Test Sample No.:	1-2-2
Start Test Date:	2025.3.27	Finish Test Date:	2025.4.3
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.0°C	Relative Humidity:	50%
Pressure:	101kPa		

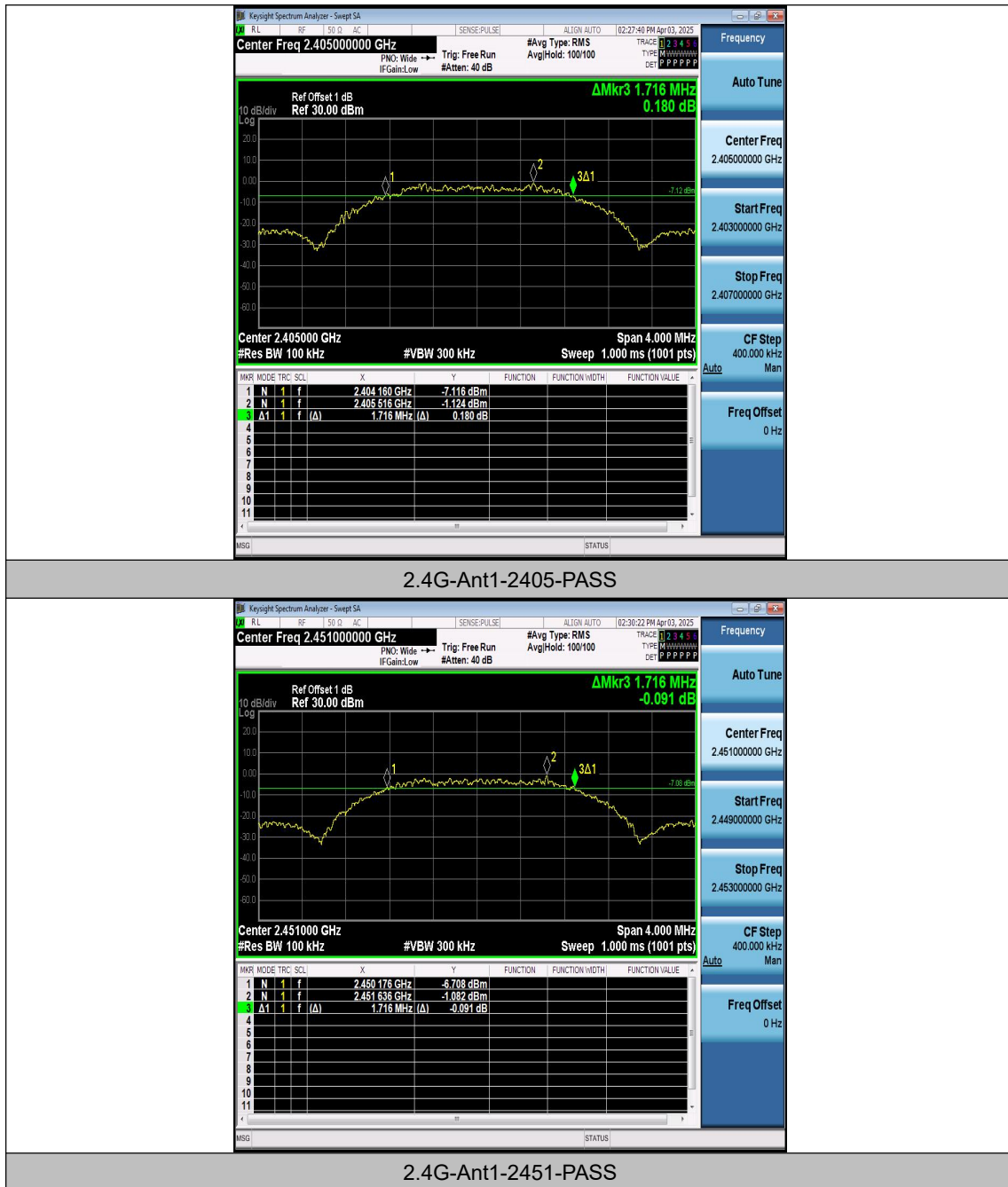
Appendix A: 6dB Bandwidth

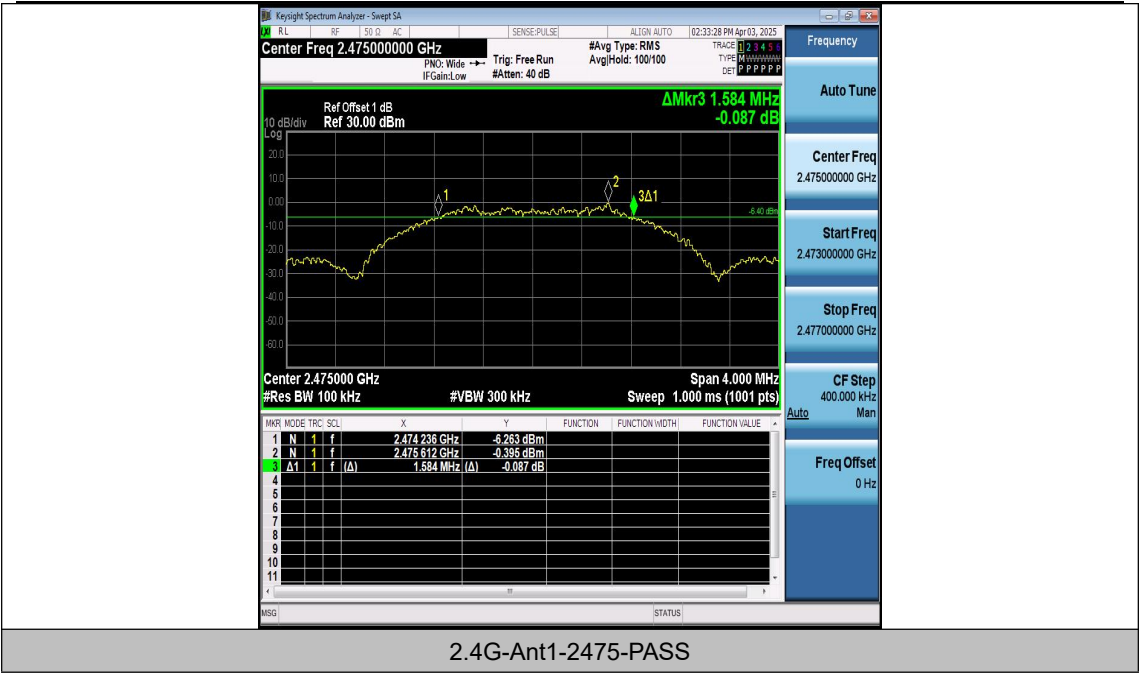
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.716	2404.160	2405.876	0.5	PASS
2.4G	Ant1	2451	1.716	2450.176	2451.892	0.5	PASS
2.4G	Ant1	2475	1.584	2474.236	2475.820	0.5	PASS



Test Graphs





2.4G-Ant1-2475-PASS

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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
2.4G	Ant1	2405	2.3853	2403.8330	2406.2183	---	---
2.4G	Ant1	2451	2.3983	2449.8246	2452.2229	---	---
2.4G	Ant1	2475	2.3952	2473.8283	2476.2235	---	---

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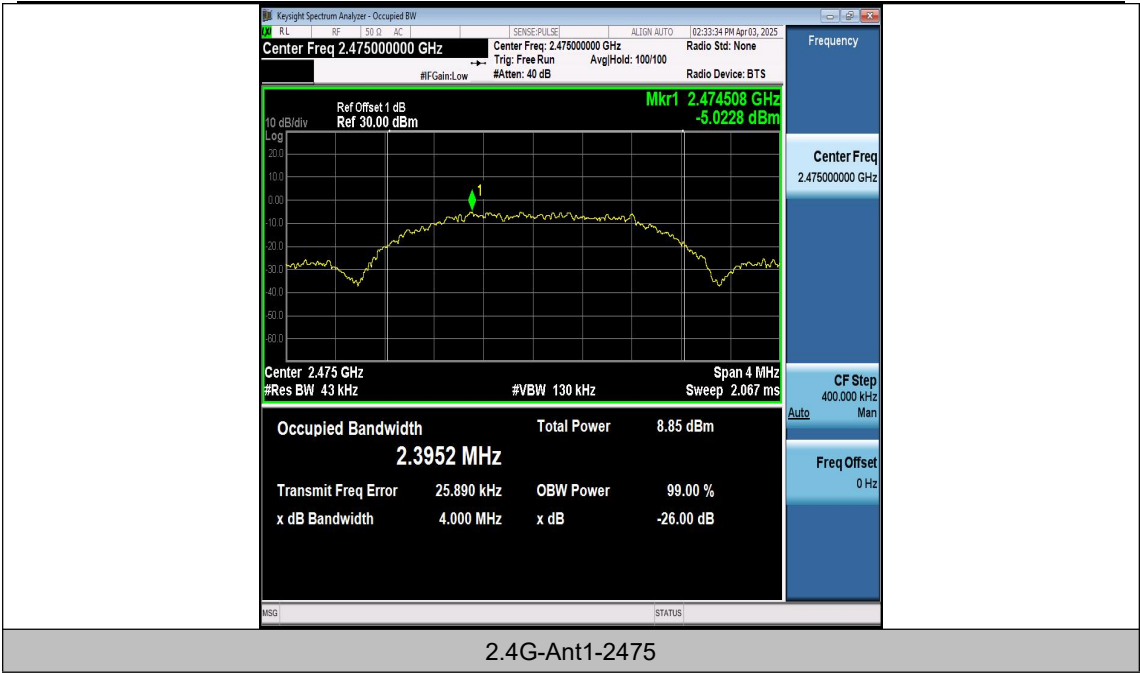
Test Graphs



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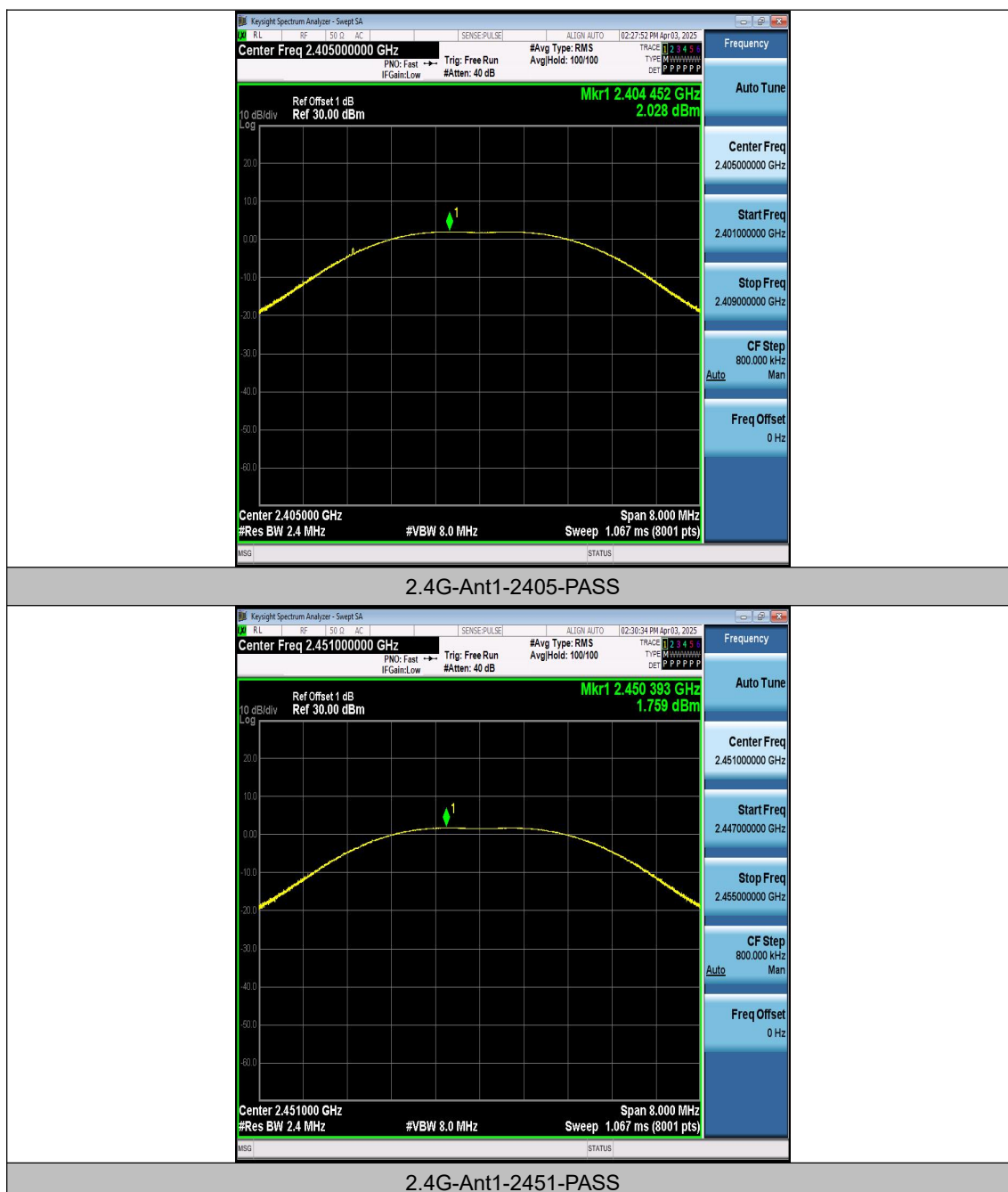
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Appendix C: Maximum conducted output power

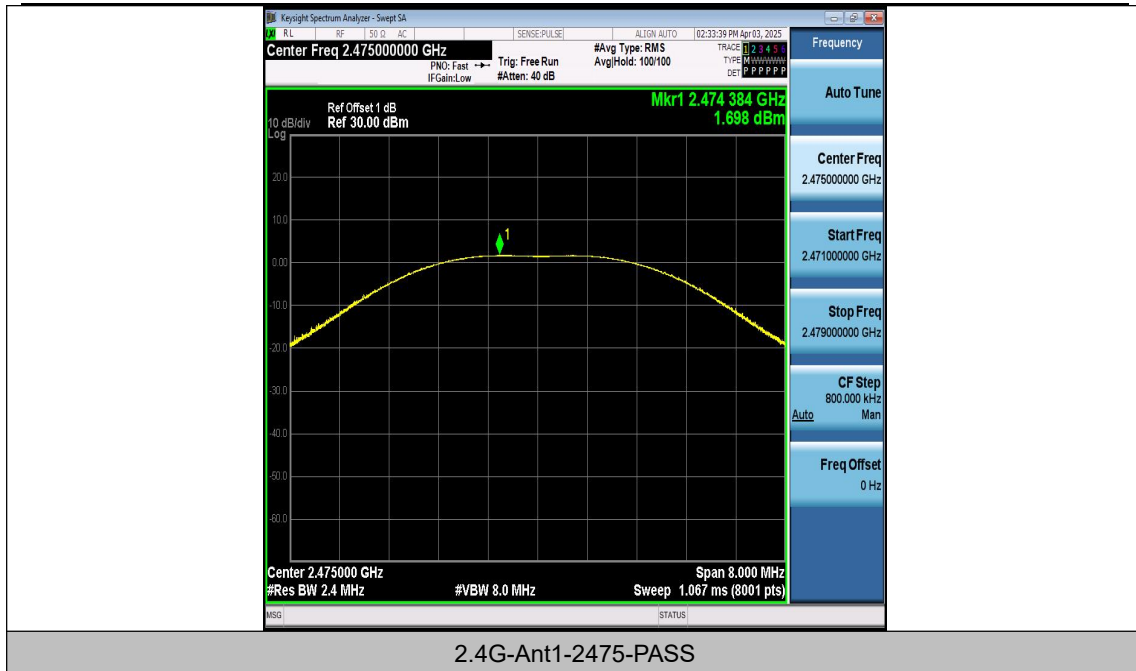
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	2.03	≤30	PASS
2.4G	Ant1	2451	1.76	≤30	PASS
2.4G	Ant1	2475	1.70	≤30	PASS

Test Graphs Peak



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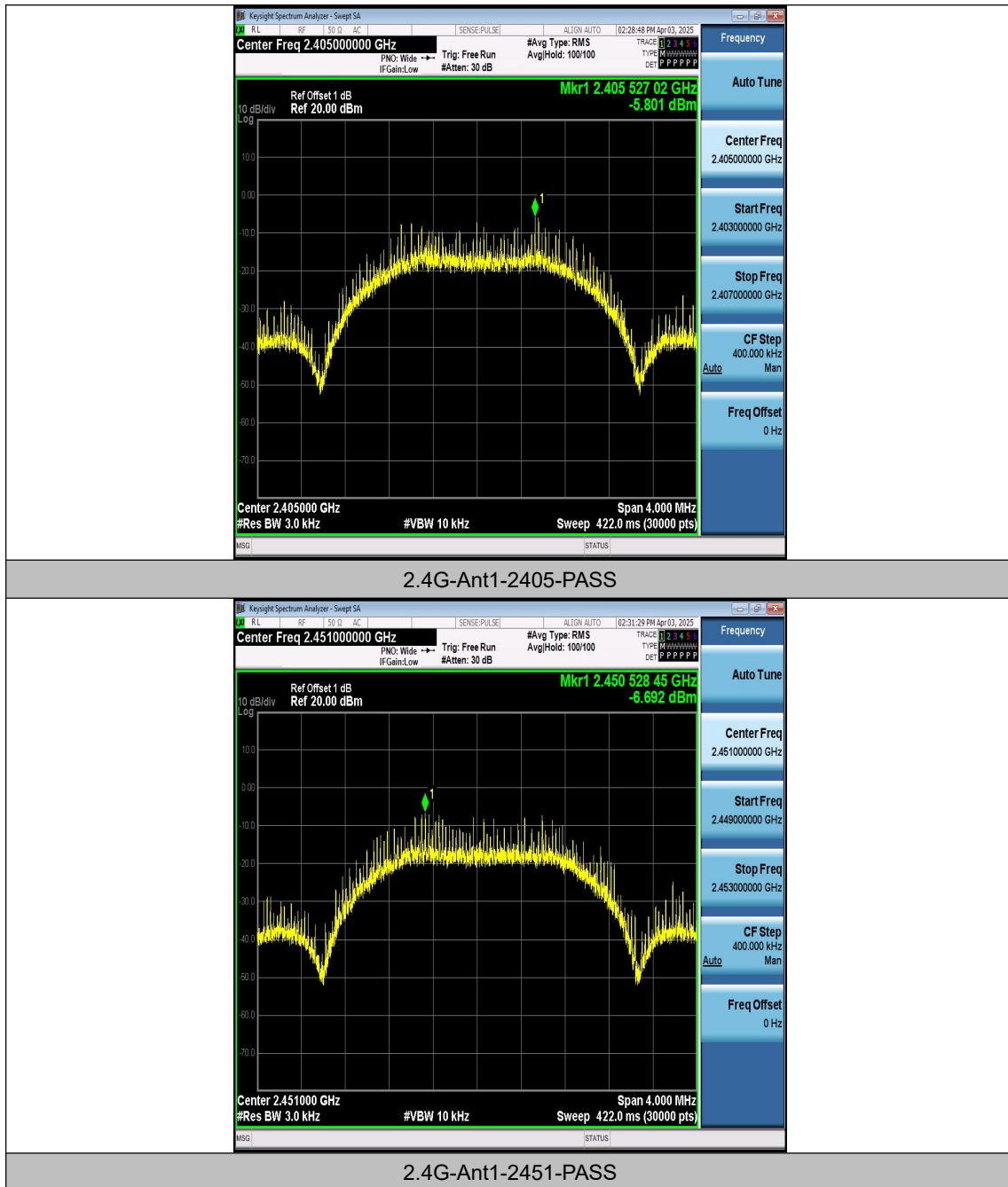
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-5.80	≤8.00	PASS
2.4G	Ant1	2451	-6.69	≤8.00	PASS
2.4G	Ant1	2475	-6.55	≤8.00	PASS

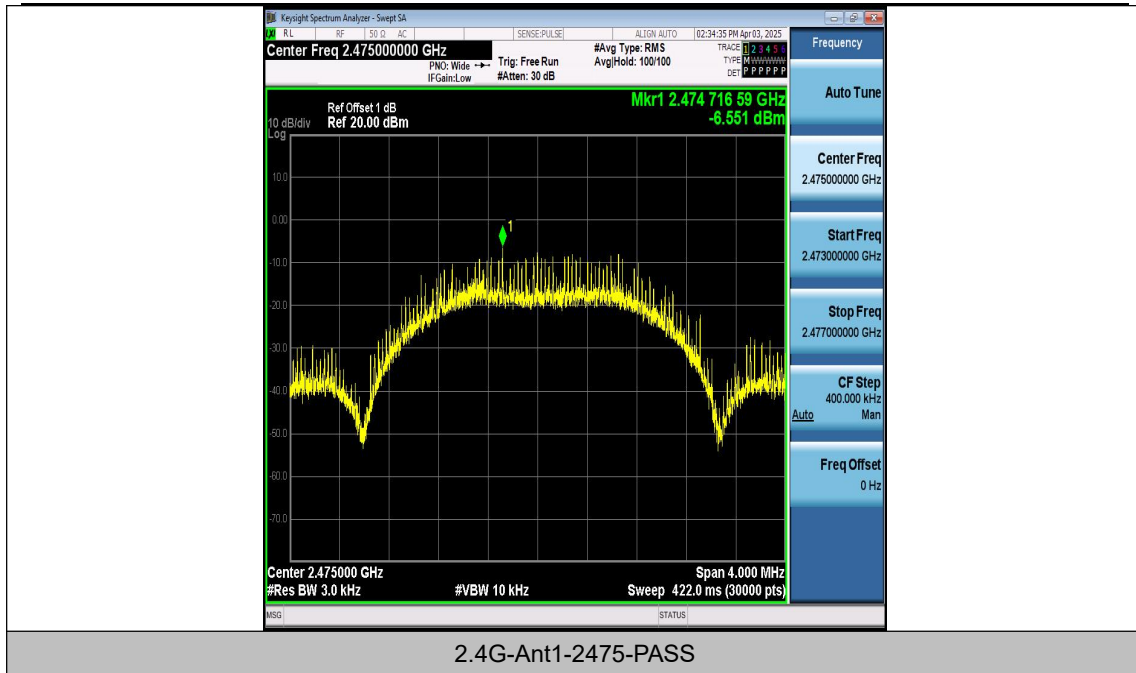
Test Graphs



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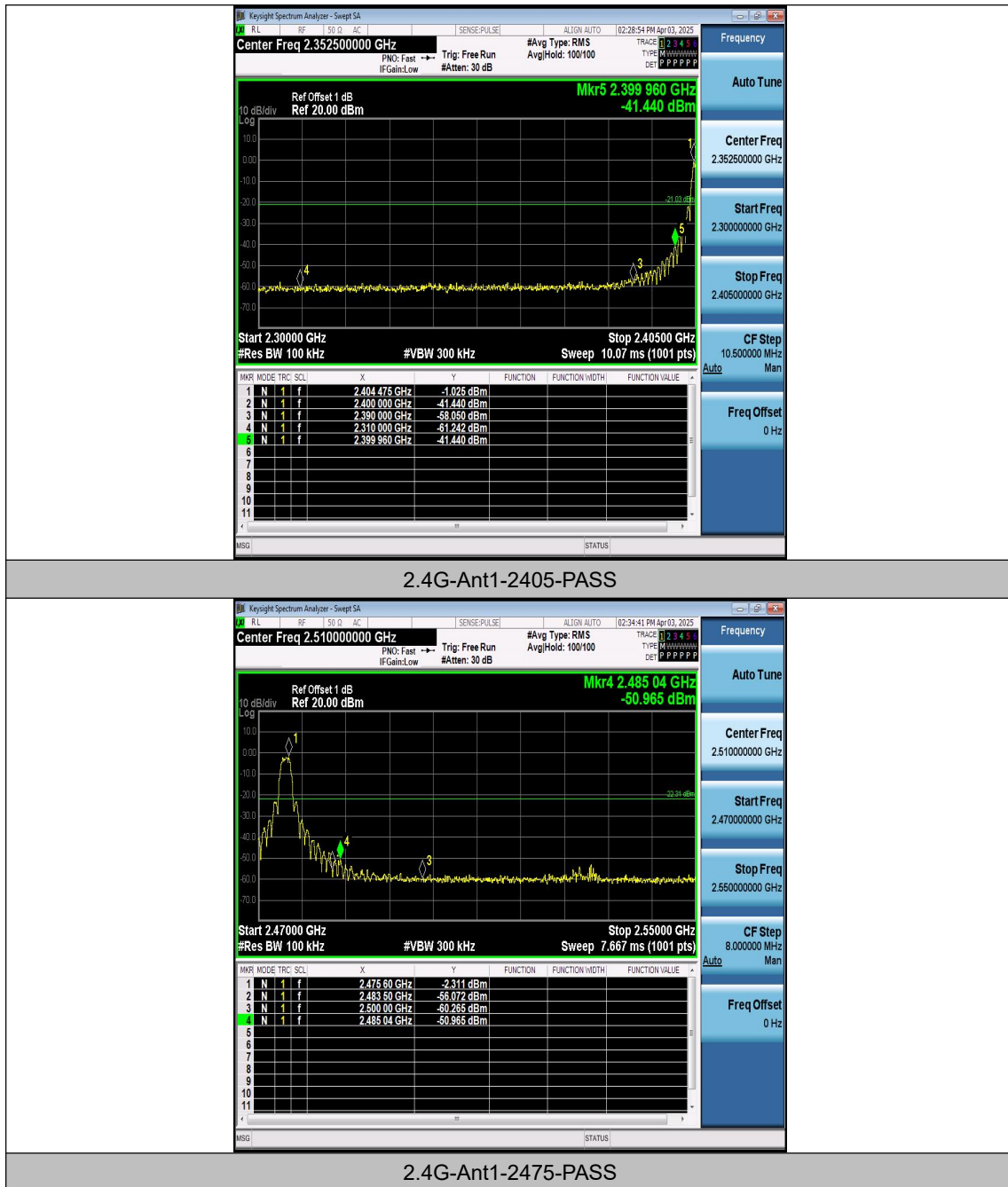
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	-1.03	-41.44	≤-21.03	PASS
2.4G	Ant1	High	2475	-2.31	-50.97	≤-22.31	PASS



Test Graphs



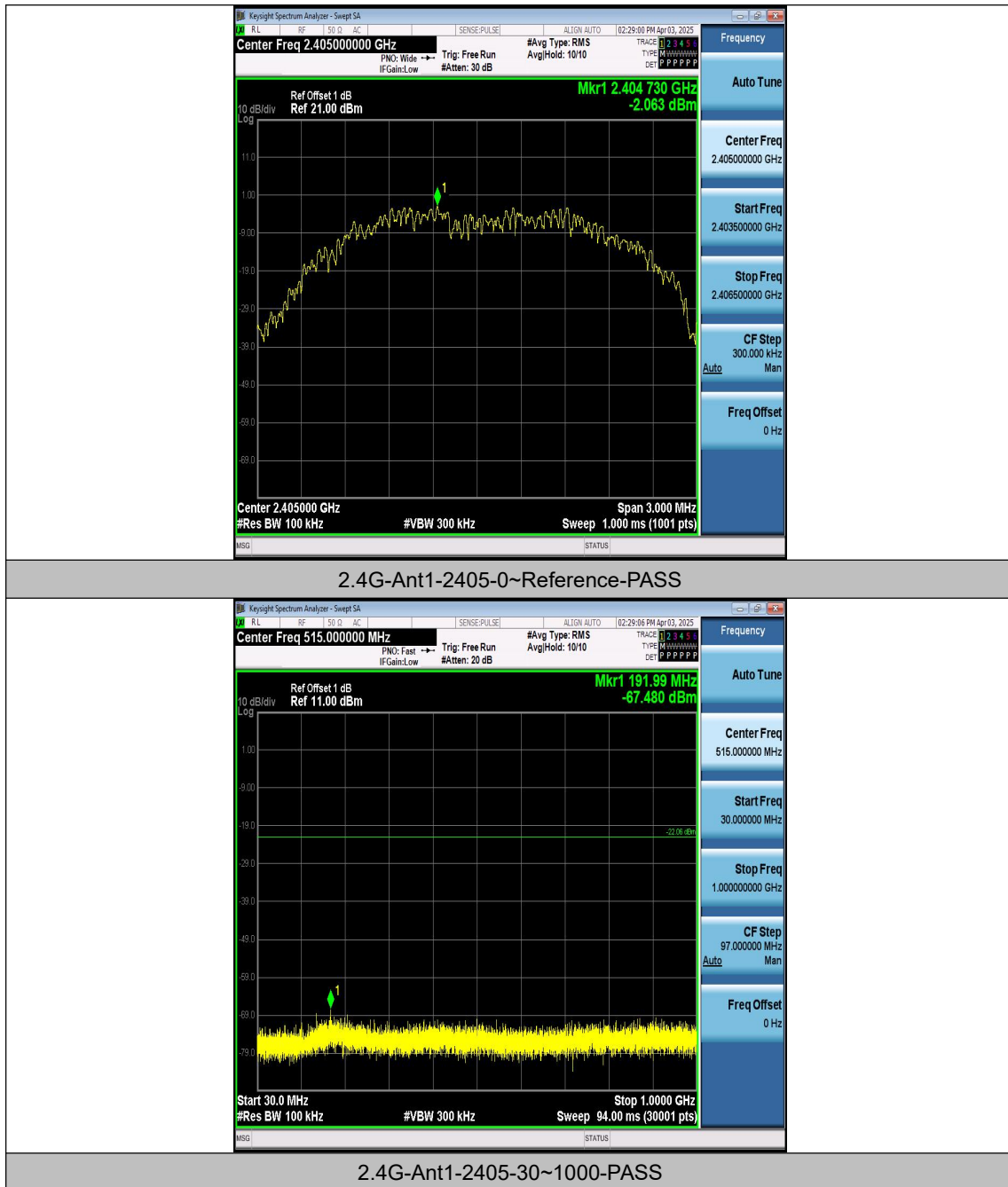
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	0~Reference	-2.06	-2.06	---	PASS
2.4G	Ant1	2405	30~1000	-2.06	-67.48	≤-22.06	PASS
2.4G	Ant1	2405	1000~26500	-2.06	-39.25	≤-22.06	PASS
2.4G	Ant1	2451	0~Reference	-1.51	-1.51	---	PASS
2.4G	Ant1	2451	30~1000	-1.51	-68.19	≤-21.51	PASS
2.4G	Ant1	2451	1000~26500	-1.51	-37.99	≤-21.51	PASS
2.4G	Ant1	2475	0~Reference	-2.58	-2.58	---	PASS
2.4G	Ant1	2475	30~1000	-2.58	-67.45	≤-22.58	PASS
2.4G	Ant1	2475	1000~26500	-2.58	-37.25	≤-22.58	PASS



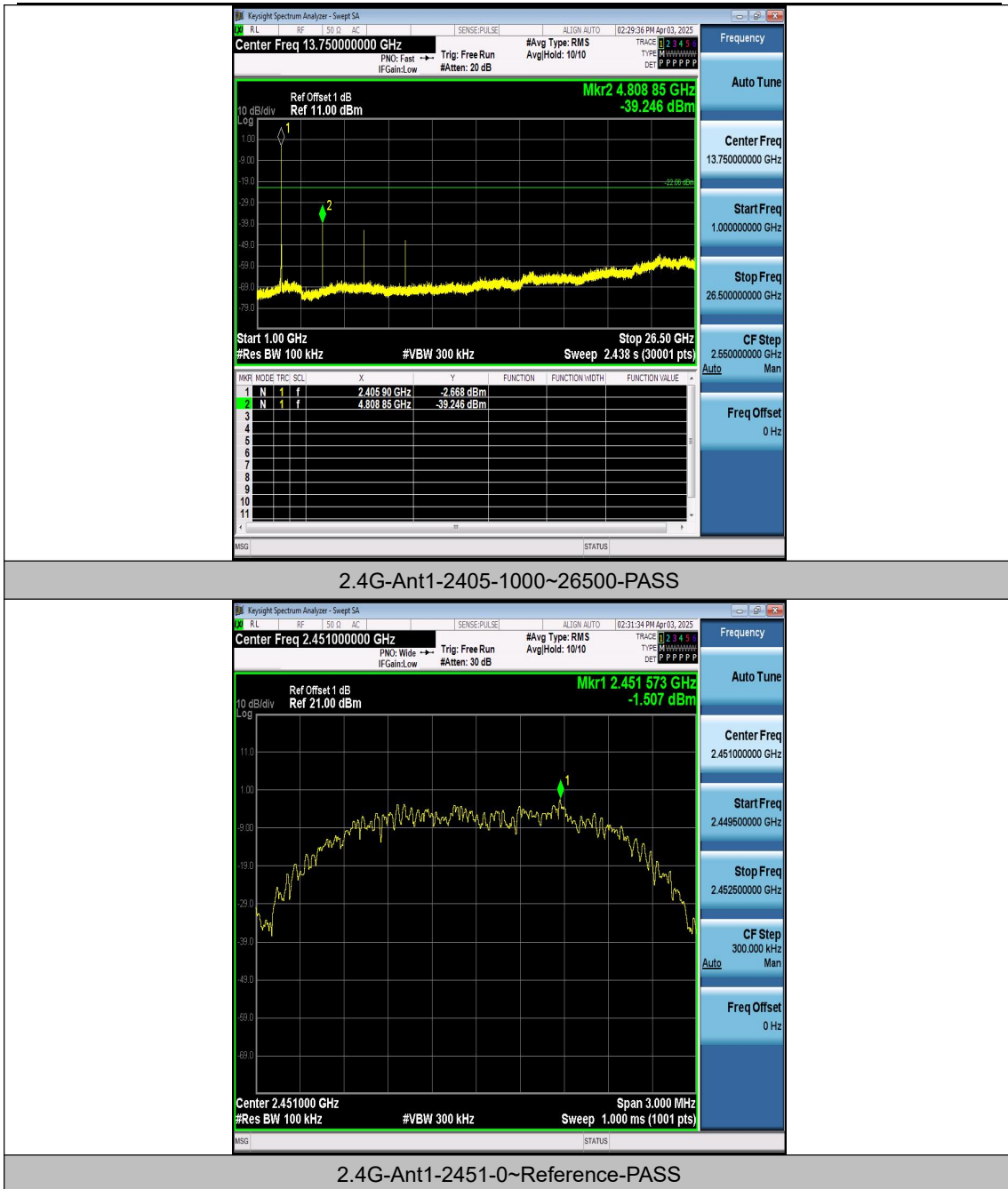
Test Graphs



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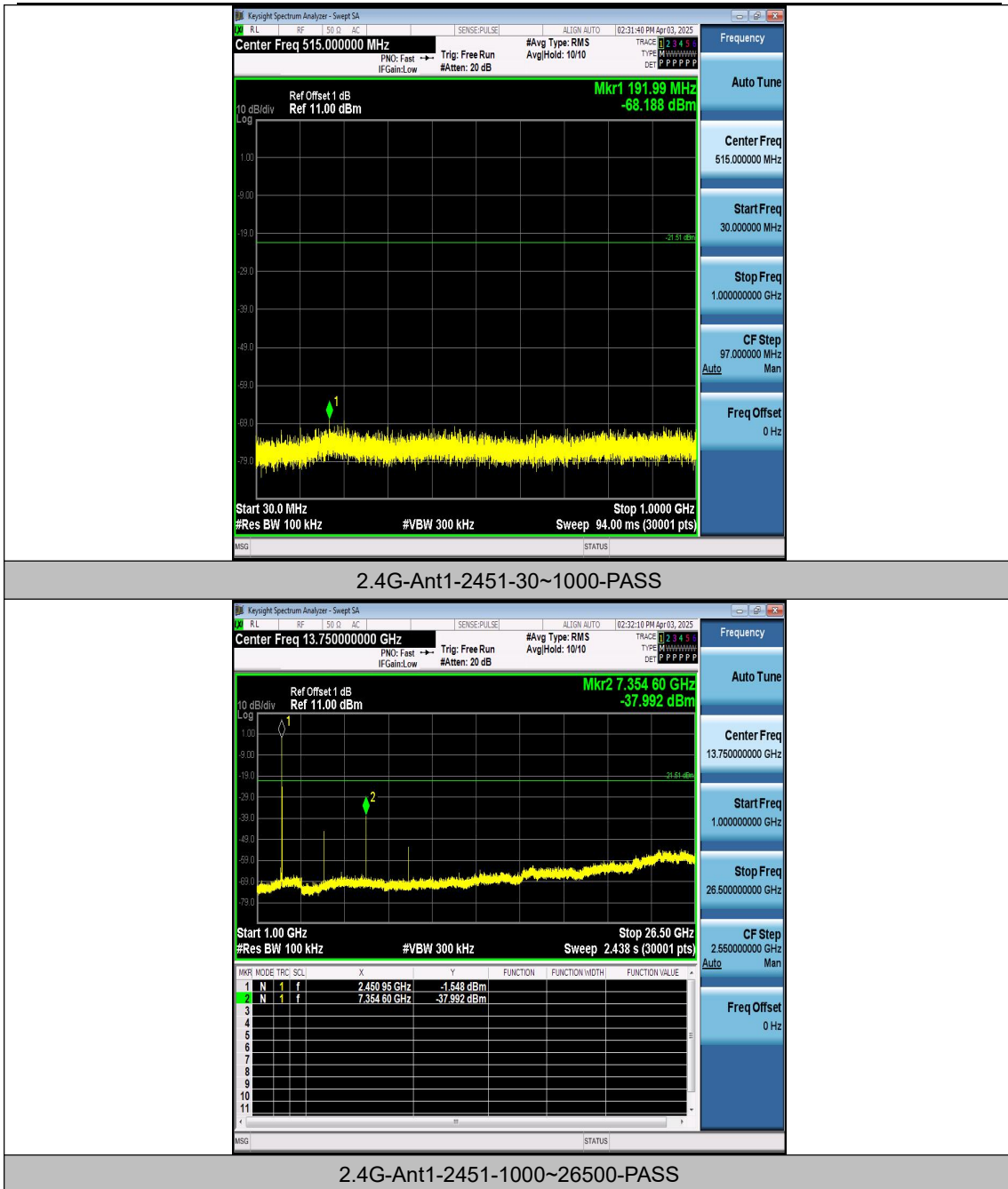


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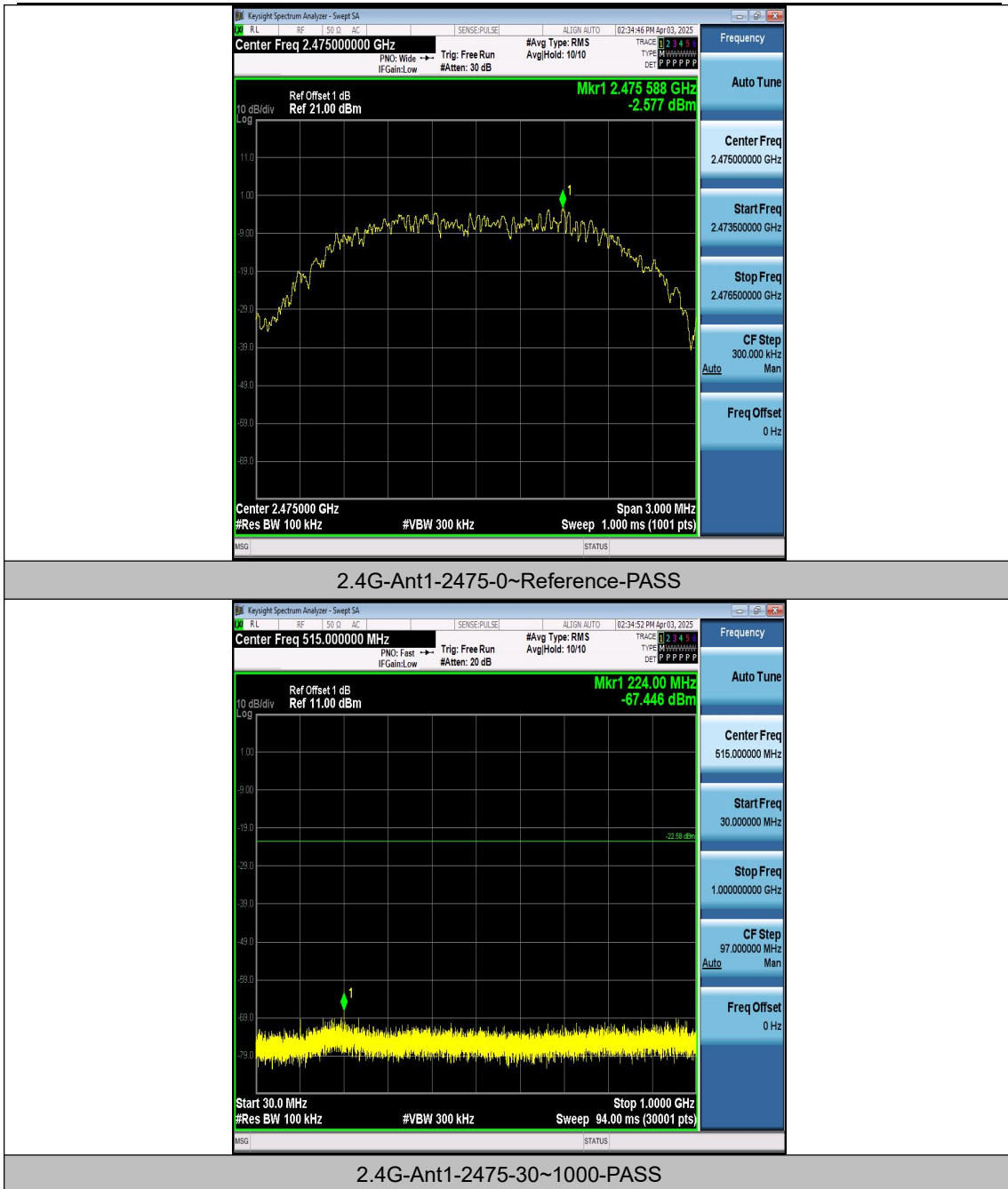


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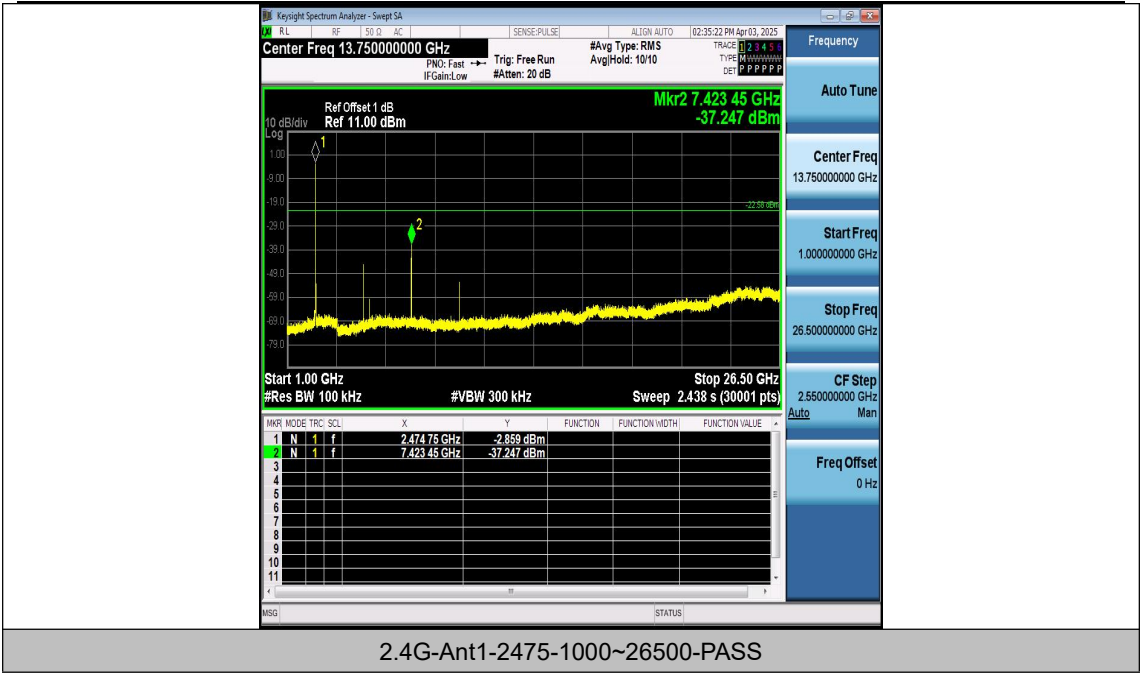


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Appendix G: Duty Cycle

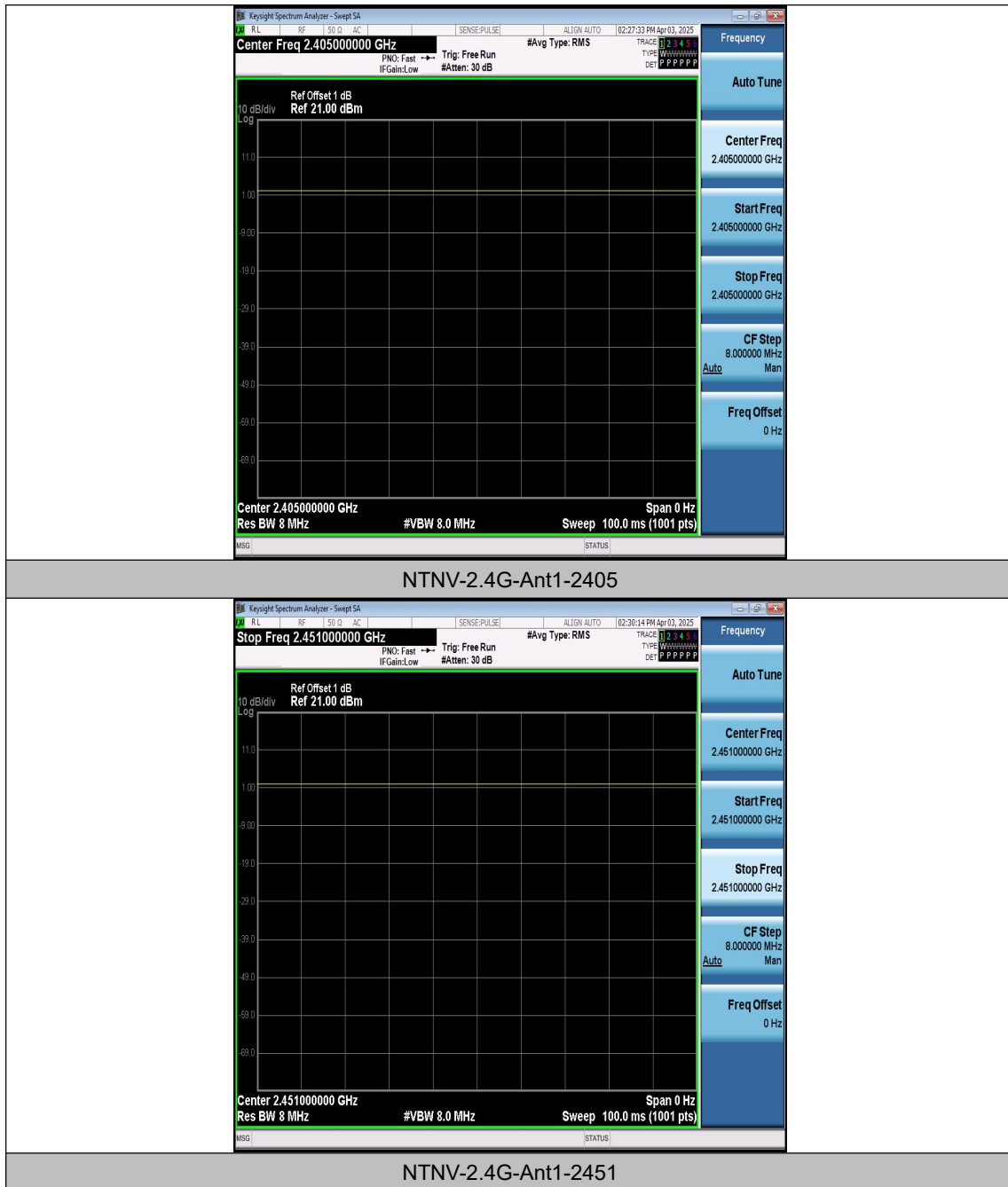
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	100.00	100.00	100	0.00
2.4G	Ant1	2451	100.00	100.00	100	0.00
2.4G	Ant1	2475	100.00	100.00	100	0.00

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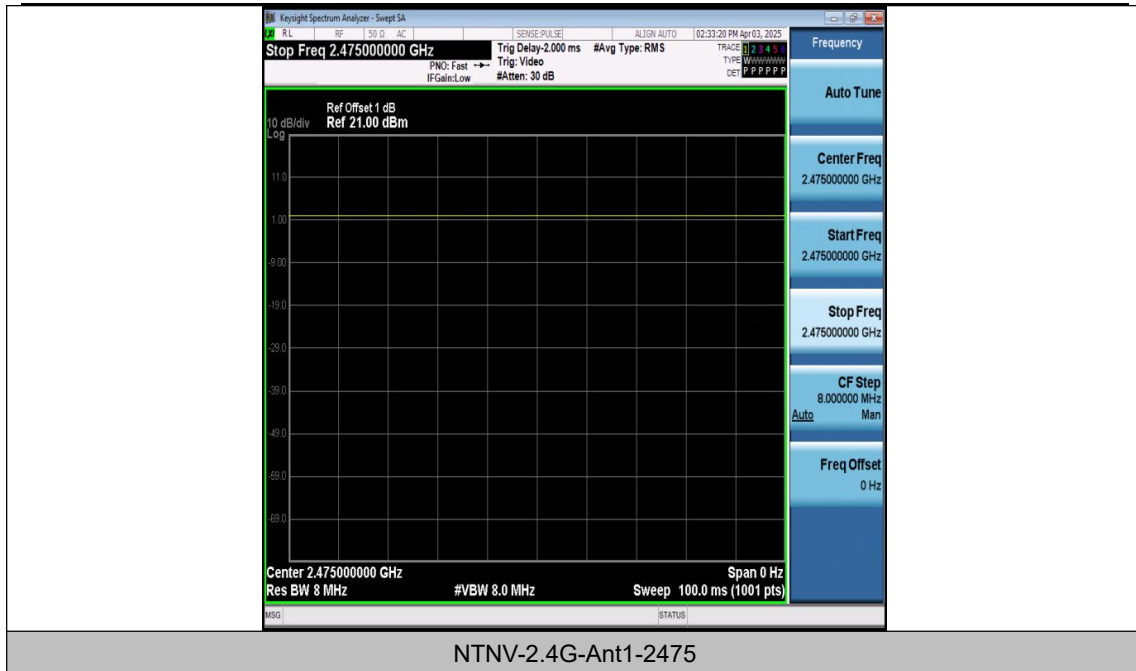
Test Graphs



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