

F2 Labs 16740 Peters Road Middlefield, Ohio 44062 United States of America www.f2labs.com

Manufacturer:	Knox Company 1601 West Deer Valley Road Phoenix, Arizona 85027 USA
Applicant:	Same as Above
Product Name:	Radio Module
Product Description:	Radio Module
Model(s):	CC3100MODR11MAMOB
FCC ID:	2AOVI-KNOX-RAS
Testing Commenced:	Dec. 18, 2017
Testing Ended:	Feb. 2, 2018
Summary of Test Results:	In Compliance
	The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including

Standards:

• KDB447498

testing may deem it non-compliant.

any required modifications and/or manufacturer's statement. Any changes to the design or build of this unit subsequent to this



Order Number: F2LQ10489

Joe knippen

Evaluation Conducted by:

Joe Knepper, EMC Proj. Eng.

Report Reviewed by:

Ken Littell, Director of EMC & Wireless Operations

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2LQ10489-05E	First Issue	Feb. 22, 2018	K. Littell

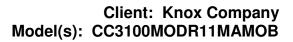
2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment
None

3 ENGINEERING STATEMENT

This report has been prepared on behalf of Knox Company to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.

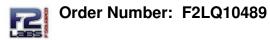


4 EUT INFORMATION AND DATA

- 4.1 Equipment Under Test: Product(s): Radio Module Model(s): CC3100MODR11MAMOB Serial No(s).: None Specified FCC ID: 2AOVI-KNOX-RAS
- 4.2 Trade Name: Knox Company
- 4.3 Power Supply: Volgen KTPS90-1207
- 4.4 Applicable Rules: • KDB447498
- 4.5 Equipment Category: Radio Transmitter-DTS
- 4.6 Antenna: 4.5dBi Whip Antenna
- 4.7 Accessories: N/A

4.8 Test Item Condition:

The equipment to be tested was received in good condition.



5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements:

Limit:	1mW/cm ²
Formula used for result:	<u>E.I.R.P.</u> 4 π R ²
Results:	E.I.R.P. = 82.04mW
	82.04mW which is the highest.
	$\frac{82.04\text{mW}}{4 \pi \text{R}^2} = \frac{82.04\text{mW}}{5026.55} = 0.01632\text{mW/cm}^2$