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MPE REPORT

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 any required modifications and/or manufacturer's statement. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- **KDB447498**



Order Number: F2LQ10489

Client: Knox Company
Model(s): CC3100MODR11MAMOB

Evaluation Conducted by:

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Report Reviewed by:

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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



Order Number: F2LQ10489

Client: Knox Company
Model(s): CC3100MODR11MAMOB

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



Order Number: F2LQ10489

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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/cm²

Formula used for result: $\frac{E.I.R.P.}{4 \pi R^2}$

Results: E.I.R.P. = 82.04mW

82.04mW which is the highest.

$$\frac{82.04mW}{4 \pi R^2} = \frac{82.04mW}{5026.55} = 0.01632mW/cm^2$$