



Compliance Testing, LLC

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Test Report

Prepared for: Tehama Wireless Design Group Inc.

Model: TW-112

Description: DC Powered Meter Data Transceiver

Serial Number: 81C00139

FCC ID: TS4-TW112

To

FCC Part 1.1310

Date of Issue: August 2, 2017

On the behalf of the applicant:

**Tehama Wireless Design Group Inc.
423 Tehama Sreet
San Francisco, CA 94103**

Attention of:

**James Orton, President
Ph: (415)495-7344
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**Prepared By
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Project No: p1740020**

**Kenneth Lee
Project Test Engineer**

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	August 2, 2017	Kenneth Lee	Original Document

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

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Testing Certificate Number: **2152.01**



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: TW-112

Description: DC Powered Meter Data Transceiver

Firmware: N/A

Software: N/A

S/N: 81C00139

Additional Information: The EUT implements 3 modulations (FSK, LORA [DTS] and LORA [FHSS]), the worst case ERP was used for the MPE calculations.



MPE Evaluation

This is a portable device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	906
Power, Conducted, mW (P)	184
Antenna Gain Isotropic	3dBi
Antenna Gain Numeric (G)	2
Antenna Type	Integral
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm ²

Power Density (S) =	0.0732134
Limit =(from above table) =	0.604

END OF TEST REPORT