Excellence in Compliance Testing

Certification Exhibit

FCC ID: SK9ITR24001
IC: 864G-ITR24001

FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-210

ACS Report Number: 11-0105.W06.11.A

Manufacturer: Itron Electricity Metering, Inc.
Model: ITR24001

Manual

Electric / Gas / Water
Information collection, analysis and application

313 North Highway 11
West Union, SC 29696
864.638.8300 Tel
864.638.4848 Fax
www.itron.com

User Information Manual

Itron Module Model ITR24001

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Labeling

The following requirements will be applied to any products that use this module:

The end product label will include the following text:

- **Contains:**
- **FCC ID: SK9ITR24001**
- **IC: 864G-ITR24001, Module ITR24001**

The user's manual for any product that contains this module will contain the following text. If the device is large enough, then this will also be placed on the label.

"This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

Regulatory Compliance

The user's manual for any product that contains this module will contain the following text:

FCC Part 15, Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à la norme Canadienne sur le matériel brouilleur. L'opération est sujette aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférence nocive, et (2) ce dispositif doit accepter n'importe quelle interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

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"To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication."

"This device has been designed to operate with the antennas listed below, and having a maximum gain of 3.9 dB. Antennas not included in this list or having a gain greater than 3.9 dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms."

Listed Antennas*

Manufacturer: WP Wireless
Model Number: WPANT30005-SA
Gain: 2.5 to 3.9 dB
Connector: Reverse polarity SMA male
**Antennas of equal or lesser gain and same type may be substituted*.

RF Exposure

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Miscellaneous

The user's manual for any product that contains this module will contain the following text:

Professional Installation

This module is intended for professional installation by the integrator. The OEM integrator is still responsible for the FCC compliance requirement of the end product, which integrates this module.

Modification and Repairs

To ensure FCC compliance and system performance, this device, antenna and/or coaxial assembly shall not be changed or modified without the express written approval of Itron. Any unauthorized modification will void the user's authority to operate the equipment. WARNING! This device contains no user serviceable parts. Attempts to repair this device by unauthorized personnel may subject the person to shock hazard if removal of protective covers is attempted. Unauthorized repair will void the warranty and/or maintenance contract with your company.

General Description

The Itron ITR24001 module is a CPU unit which acts as a Cell master within an electricity grid system. Located in the ITR24001 module is a WiFi transmitter that operates in the 2400 MHz to 2484.5 MHz band. The ITR24001 can be installed in a larger weatherproof box and control the functions of a GPRS or CDMA modem and a 900 MHz LAN radio. The module operates on direct current voltage which is supplied by a host device.