

Certification Exhibit

**FCC ID: MS8ESPH
IC: 4202A-ESPH**

**FCC Rule Part: 15.249
IC Radio Standards Specification: RSS-210**

ACS Report Number: 09-390-15C

**Applicant: Blue Tower Communications Ltd
Model: ESP-PIT**

Manual

Description

The BluTower ESP_PIT AMR meter is for **PIT INSTALLATIONS ONLY**. The ESP-PIT AMR meter sends meter data via radio frequency (RF) signal to a receiving unit: HandTrackIT®, FastTrackIT® or Concentrator. This innovative meter includes an electronic register designed to give you the information you demand coupled with an easy to use AMR system that is integrated into the electronic register. With no wires to connect and no radio setup procedure, Blutower has taken the complexity out of AMR.

Installation Instructions

The ESP-PIT AMR meter comes to you pre-set at the factory ready to install in the field. Simply install in the service line with the directional arrow in-line with the flow of water. The meter should be oriented so the register is vertical.

Operational Information

The ESP-PIT AMR meter is designed to operate with BluTower's stationary Data Collector. The meter will transmit reading, tamper, and data logging information at 30 second intervals to the Data Collector for billing and usage analysis purposes.

Maintenance

Metering Element:

A rebuild kit can be purchased through BluTower or your distributor to allow you to replace the internal metering element to bring your meter up to like new performance. If the meter is still within its warranty period, please contact BluTower or your distributor before attempting to repair the meter.

Meter Register:

There are no user maintainable components in the BluTower ESP-PIT AMR meter register. Please contact BluTower or your distributor regarding maintenance issues.

Warnings & Precautions

Warning: Changes or modifications to product not expressly approved by BluTower, Inc. could void the user's authority to operate the equipment. See FCC information below.

This sheet provides instruction needed to successfully connect, configure and read the ESP-PIT AMR water meter register. This sheet is merely a supplement to training in the operation of the BluTower AMR system. For training information, contact BluTower Inc. directly.

FCC Information

This device complies with Part Number 15 of the FCC Rules, ID MS8ESPH. 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.

NOTE: 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.

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.

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specification was met.

Typical Pit Mounting Examples

The ESP-PIT AMR Meter is only approved for use in the following type of below ground installations. Placement of the ESP-PIT AMR Meter within the enclosure is important for satisfactory performance.

Round Meter Pit:

The round meter Pit includes a metal lid and a composite tube measuring 18" wide by 24" deep. The ESP-PIT AMR Meter is mounted in the center of the bottom of the pit with the Register facing the direction of the reader.