February 3, 2023

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

To whom it may concern:

Itron, Inc. hereby requests a Permissive Change Class II of the radio equipment certification for the product name certification number, FCC ID: EO9DCU5310C. This product differs from the originally approved product in the following manner:

(a) Associated digital circuitry –
   i. Dual Carrier board:
      1. USB Hub manufacturer part number change; same part with same form, fit, and function from same manufacturer.
      2. Replaced obsolete 6.0 MHz crystal for USB hub with a new crystal having same specifications from same manufacturer. Same form and function; minor pad size changes required board layout change.
   ii. Power/USB board:
      1. USB Hub manufacturer part number change; same part with same form, fit, and function from same manufacturer.
      2. Replaced obsolete 6.0 MHz crystal for USB hub with a new crystal having same specifications from same manufacturer. Same form and function; minor pad size changes required board layout change.
      3. Replaced obsolete LED with new part. Same form and function; minor pad size changes required board layout change.
      4. Replaced obsolete Current Gauge chip used for GPS receiver antenna sensing. Changed from a single-chip Current Gauge to a discrete component antenna open/short detection circuit recommended by the GPS module manufacturer (added five transistors plus biasing). Required layout changes. This circuit only senses the state of the GPS antenna; it is not part of the GPS RF circuit path.
   iii. MAS Transmitter board:
      1. Replaced an obsolete R-C filter network that is used on digital lines with a new filter network part. Same form and function; minor pad size changes required board layout change.
      2. Replaced four obsolete LEDs with new parts. Same form and function; minor pad size changes required board layout change.

iv. 915 MHz Radio board:

1. Processor module manufacturer part number change. The new part is a drop-in replacement for the current part with the same form, fit, and function from same manufacturer. There is no change to the radio RF circuit.

(b) Functional capabilities – There are no changes to functional capability.
(c) Antenna Characteristics – There are no changes to antenna characteristics.
(d) Cosmetic differences – There are no changes to the cosmetic appearance of the product.
(e) Other(?) – There are no other changes.

I do attest that the Field strength and/or RF Output readings remained the same or are lower than the originally approved product and that they did not increase, therefore qualifying this product for this application type.

Sincerely,

Jack McPeck
Sr. Product Development Manager
Itron, Inc.