

FCC Statement:

1) Part 15 Clause 15.105 [EMC Class B statement]:

“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.”

2) Part 15 Clause 15.21 [Do not Modify warning]

“Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment”

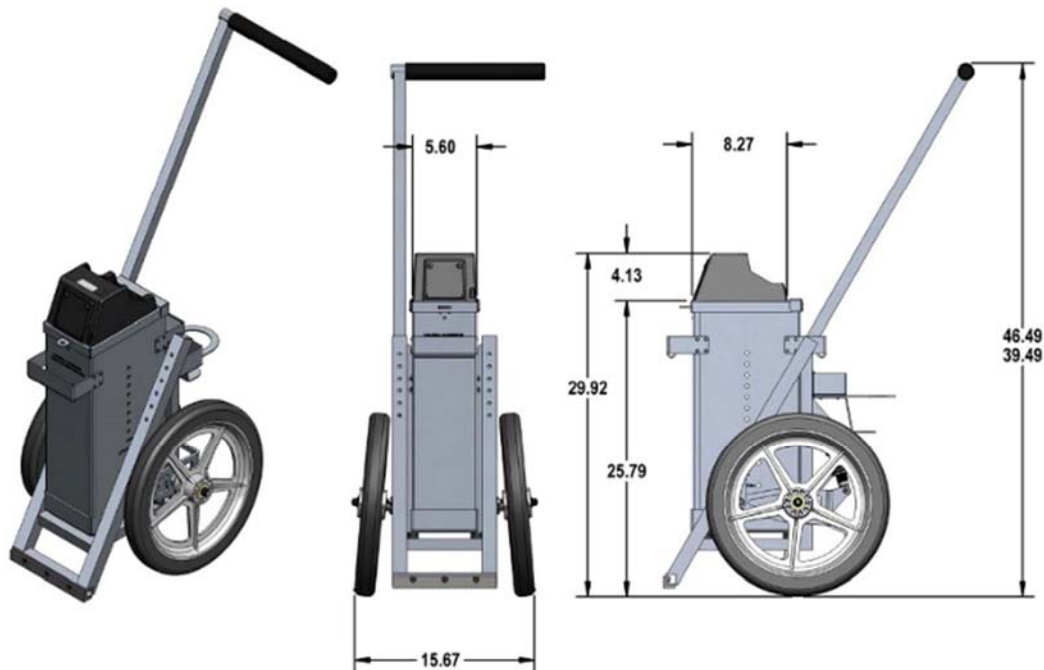
3) FCC Part 15.19(a) [interference compliance statement]:

“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.”

4)) RF Exposure Statement:

“RF Exposure - This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the Smart Collection Head Model 120 and the user's body must be maintained at all times.

The IPS Collection Cart



The IPS Collection Cart is a mobile caddy that is used by the city municipalities by the parking meter departments to collect the cash (coins) from the individual street single space parking meters. Each collection cart is equipped with a stainless steel portable collection bucket and the top assembly or upper head assembly has the IPS smart electronics.

Housed in the upper head assembly are three radios which are BLE (Bluetooth Low Energy) and operates at 2.4GHz an RFID operating at 13.56MHz and a Telit cellular CDMA module. Both the BLE and Cellular module have FCC ID's. The RFID is a chip we use from Texas Instruments TRF7960 transceiver.

During actual use case the radio's do not all operate or transmit at the same time the sequence of operation is as follows:

The meter collection person will roll the collection cart down the city sidewalks to each single space parking meter and at each meters they will unlock the parking meter door then remove what we call the cash canister which is then installed into the collection cart which the canister is then rotated 180 degrees that then slides back a door or panel on the canister opening it allowing the coins to be deposited into the cash collection cart. Then has to be CCW rotated to remove it while closing the canister door panel. And then the process repeats itself at the next meter.

The radios within the collection cart head assembly work as follows:

The BLE is responsible for knowing when the collection cart is within range of the parking meter and will identify it and only during this period is the BLE active.

The RFID identifies the cash canister that is paired with the parking meter and the RFID tag is read when installed in the collection cart.

The CDMA cellular radio is use only to identify and validate the actual number of coins and value that has been deposited into the carts bucket after the canister has been empty into it.

