

To: Errol Chang, FCC
Echang@fcc.gov

Re: FCC ID: OWS-900
Correspondence Reference No. 13670
731 Confirmation No. EA96887

Su: Respond to FCC Correspondence # 13670, dated 4/27/00

Dear Mr. Chang:

The following is our response to your correspondence dated 4/27/00:

1. Since the IMU is going to be installed professionally by the authorized service personnel, the manual will not be provided with each unit to the customer. However the IMU communication operation is described in the base station Gateway manual, which will be shipped along with each Gateway unit to the customers then goes to the installers

The standard IMU has an internal antenna that is soldered directly to the board. It consists of an "U" shaped steel as it was shown on the picture submitted earlier and has a gain of 2 dBi.

The external antenna is a loop antenna with a maximum gain of 3 dBi. It is made of a 1.35-inch diameter round PC board with three tuning capacitors. The antenna board is soldered to one end of the RG 58 shielded Coax cable through aluminum cup (ground plane), which is mounted on the manhole cover plate using spring clip. The other end of the coax cable is soldered directly to the IMU board. Please see attached drawing of the external antenna and the pictures

2. Attached please see the revised installation instruction with the statement to satisfy the FCC RF Safety Exposure Requirements.
3. See attached copy of the peak conductive output power measured at three (low, medium, and high) channel frequencies (+20 dBm or 100mW).