

July 2, 2015

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, Maryland 21046

Subject: External Photos for FCC ID: 2AE6484A237140



**Image 1: Casing – Left View**



**Image 2: Casing, Back View**



**Image 3: Casing – Front View**





**Image 4: Casing – Top View**



**Image 5: Casing – Bottom View**

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**Functional Description of the Sensor/Gateway pair:** The sensor takes capacitance, temperature, accelerometer, etc. data readings periodically and communicates them to the gateway if it is in range. An operator can also get in close proximity to the sensor and trigger readings from it with a handheld RFID unit. The units are designed to go on locomotives. RFID in the sensor is passive. The Gateway collects organizes, and transmits relevant data to monitor and control systems within the cabin of the locomotive.

Sincerely,



Brian T. Hemmelman  
Principal Engineer, DarCEO Inc.