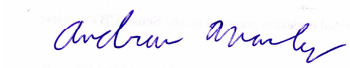
Tranzeo EMC Labs Inc.
19473 Fraser Way
Pitt Meadows, B.C.
V3Y 2V4

Bulldog Technologies Inc.
515-00054
2.4 GHz Wireless Monitor
Operational Description

7 November 2005

Report Number: TRL071105.1

Bruce Balston, EMC Lab Manager



Andrew Marles, Technical Writer

E.1 Operational Description

The Bulldog Telemetry Temperature Monitor a system that consists of three parts that interact to remotely monitor temperature. The three parts the TTM consist of are:

1. The Coordinator (or Base Station). This is an electronic device that permits the computer to contact and query the remote devices utilizing radio frequency. This devices has a RS422 serial connector to allow the connection with the Computer that contains the application

2. The Remote devices (or Remote Units) are electronic devices that contain Radio Frequency capabilities and also contain the Thermometer utilized to measure the temperature around them. The devices are encased in a metallic box that permits the thermometer to have a very close contact with the external temperature and also it increases the thermometer temperature readings accuracy. The devices can go within range and out of range, re-registering themselves in the network without the need of intervention. Currently, the system only allows devices ids with two characters. However, letter case is not important, that is, the unit 0A is different to the unit 0a so there is some room for a good amount of devices. If we utilize all the numbers and upper case and lower case letters, we can have thousands of devices utilizing only two characters to identify the devices.

3. The Computer Application (TTM.exe) is a windows application that will query the remote units via the Coordinator in a timely basis. This application will also detect temperatures out of specification and will generate an 'alarm' email to be sent to the email recipient set in the settings section of the application.

The 515-00054 is used exclusively in a professionally installed, fixed point-to-point environment.