

FCC APPLICATION ADDITIONAL INFORMATION:
FCC ID NJM0929156
INVOCON INVONET RDGU

August 12, 1998

1.0 System Operation & Installation

The following information was included in the Operational Description provided with the Application:

The **INVONET Wireless Data Gathering System** , designed and manufactured by **INVOCON, Inc.**, is a system used to provide remote monitoring of strain on support members of interstate road bridges. The system is comprised of a control data concentrator unit (CDCU) and a remote data gathering unit (RDGU). The RDGU is fastened to the bridge under test and measures strain on the bridge via a set of strain gauges mounted to the bridge. Data gathered by the RDGU is transmitted to the CDCU upon request from the CDCU. The CDCU is controlled by a standard PC using a parallel interface. The interface between the RDGU and the CDCU is a Proxim transceiver. The Proxim Transceiver is a direct sequence spread spectrum transceiver operating in the 902-928 MHz band. The RDGU and the CDCU can be powered from a 110 VAC/60 Hz source or from the internal battery.

2.0 Discussion

Based on standard bridge evaluation procedures, the installation location for bridge monitoring equipment is on a beam or other structural support member out of the way of normal traffic. Based on this criteria, the INVOCON RDGU will be 20 cm away from users based on normal installation procedures for bridge monitoring equipment. Since this installation technique is standard to this industry, specific installation location instructions were not included in the manual.

A statement regarding 20 cm isolation is presently included in paragraph A1 of the User's Manual. If additional wording is required or recommended based on normal bridge testing procedures and the present User's Manual (i.e. Insure that installation of the RDGU is made such that the antenna is always 20 cm from personnel) please advise us & an addition will be made to the User's Manual.