

EXHIBIT I

Operational Description

Product Description

This device is a transceiver. It receives signals from existing ITI transmitters or other superbis transceivers. It transmits signals to other compatible ITI receivers. Both the receiver and the transmitter operate 319.5 MHz.

A hardwire bus provides a data link to an external board. There is one possible configurations for the hardwire bus:

- A external board may be connected to the 4 position terminal block or 8 position header. 12VDC power is supplied by the external board.

The transmitter circuit consists of a 319.5 MHz SAW resonator followed by an amplifier. The transmitter amplifier is connected to the right antenna.

The receiver is of the superheterodyne type. It uses a NEC UPC8116G 500 MHz AM/ASK receiver chip. The receiver selects either the right or left antenna.

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