

The module is a transceiver which consist of a small PCB with an integral helical antenna, which operates in the frequency of 433.92MHz  
Modulation is On-Off Keying using Manchester code with max bit rate of 2400Bps.  
This module is installed only in RISCO 2-way wireless units, and it's behavior is determined by the host unit, as tested by ITL.

Host: 2-Way Wireless PIR/Pet Detectors

The EUT is a wireless 433.92MHz 2-Way Detector based on PIR technology.

Being bi-directional enables the detectors to receive an acknowledgment from the panel for every transmission.

The unit includes a main PCB and RF module and it's powered by two 3V CR123A lithium batteries.

The difference between the two detectors:

- Lens, PIR uses 15X15m while Pet version uses 12X12m lens.
- Pet immunity is up to a 36kg.

Host: Agility Control Panel

The EUT is a wireless 433.92MHz alarm panel that monitors a variety of products. The panel presents status information visually and verbally.

The panel is monitoring the accessories and the detectors using 2-way communication, so for every message the panel receives it sends acknowledgment message.

The unit includes a main PCB, plug in RF module, and 3 optional plug in modules: GSM module, modem card and IP card, which add communication capabilities to the alarm system. The panel was tested with all 3 units to simulate worst case conditions.

The GSM module include an FCC and IC modular approval:  
FCC ID: QIPTC63, IC: 267W-TC63

The EUT is powered by 120VAC/AC power supply and uses 6V 3.3Ah Sealed Lead Acid Battery as backup power source.

Host: 2-Way I/O Expander

The EUT is a wireless 433.92MHz 2-Way I/O module which enables wired devices to be connected to the Agility system.

The unit includes a main PCB and plug-in RF module which contains an integral helical antenna and it's powered by a 120VAC to 9VAC power supply and uses 3x 1.2V AA NiMH 2300mAh batteries.

The EUT supports 4 input zones and 4 outputs. Each output can be operated in a response to a wide variety of system events.

Other RF information can be found in the enclosed ITL report.