

GENERAL INFORMATION

1.1 Product Description

The Equipment Under Test (EUT) is a Cirronet Corporation, Model HN2010 transceiver which internally uses a modularly approved 2.4 GHz spread spectrum transceiver (HSW-2410M). Since this device is typically professionally installed, this application is being submitted to certify the entire device (under a new ID number) in order to eliminate the need for non-standard connectors as allowed by 15.203.

The HN-2010 is a wireless transceiver designed to provide repeater functionality between other HopNet products in point-to-point and point-to-multipoint applications. Two Cirronet WIT2410 transceiver modules (HSW-2410M) are used as the heart of the HN-2010 repeater. Additional power supply conditioning, battery backup, and interface circuitry has been designed into the HN-2010 to provide communications between the internal WIT2410s and between the outside world and the WIT2410 modules.

A typical application for the HN-2010 would be as part of a remote data gathering system. The unit would be placed between two widely separated HopNet transceivers where it would serve as a repeater to relay data back and forth between the units. This repeater functionality allows the system integrator to provide wireless connectivity over much greater distances than could be obtained with a single pair of radios.

Two antenna connectors are also provided at the front of the unit – one for each radio in the repeater. More detailed explanations of the function and use of the HN-2010 can be found in the HopNet product guide.

1.2 Related Submittal(s)/Grant(s)

The modular transceiver contained in this device has been previously approved under FCC ID: HSW-2410M by the FCC on 10/6/99 for use with seven different antennas. The modular transceiver was additionally approved through a permissive change by the FCC on 3/29/01 for use with an additional 5 antennas. A copy of these grants are provided on the following pages.