



Testing Tomorrow's Technology

**Cirronet Corporation
FCC Part 15,
Class II Permissive Change Application
WIT 2450**

**Issue Date: February 16, 2006
UST Project: 06-0003**

**3505 Francis Circle Alpharetta, GA 30004
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MEASUREMENT/TECHNICAL REPORT

COMPANY NAME: **Cirronet Corporation**

MODEL: **WIT 2450**

FCC ID: **HSW-2450**

DATE: **February 16, 2006**

This report concerns (check one): Original grant _____
Class II change X

Equipment type: **Modular Frequency Hopping Spread Spectrum Transceiver**

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? yes _____ No X

If yes, defer until: _____
date

N.A. agrees to notify the Commission by N.A.
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Report prepared by:

United States Technologies, Inc.
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Alpharetta, GA 30004

Phone Number: (770) 740-0717
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SECTION 1

GENERAL INFORMATION

GENERAL INFORMATION

1.1 Product Description

The Equipment Under Test (EUT) is a Cirronet Corporation, Model WIT 2450 2.4 GHz spread spectrum modular transceiver.

The EUT was originally approved for use with one of 15 different antennas. The EUT was previously approved under FCC ID: HSW-2450 by the FCC on 12/28/2004. Cirronet Corporation desires to apply for a Class II Permissive Change qualifying all antennas.

See information following supplied by Cirronet:

The EUT differs from the original Registration by removal of the inner shield, and replacement of the following components with Lead Free components:

Diode D3 – removed

Capacitor C201 – changed from 6.8 pF to 1 pF

Capacitors C18 and C19 – changed to 3.3 nH inductors

Inductors L6 and L7 changed from 2.4 nH to 1nH and 3.3 nH respectively

Replacement of U7 for a lead free equivalent, AM52-0024

Inductor L4 changed from 6.8 nH to 3.9 nH

Capacitor C31 replaced with a 0 ohm resistor

Capacitor C38 added @100 pF to replace 0 Ohm resistor

Inductor L8 changed from 8.7 nH to 22 nH

1.2 Related Submittal(s)/Grant(s)

The EUT will be used to send/receive data. The transceiver presented in this report will be used with other like transceivers:

The EUT is subject to the following authorizations:

- a) Certification as a transceiver (modular approval)
- b) Verification as a digital device

The EUT was been previously approved under FCC ID: HSW-2450 by the FCC on 12/28/2004.

The information contained in this report is presented for the re-certification & verification authorization(s) for the EUT.

TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

American TCB, Inc.
6731 Whittier Avenue Suite C110
McLean, VA 22101
United States

Date of Grant: 12/28/2004
Application Dated: 12/28/2004

Cirronet
5375 Oakbrook Parkway
Norcross, GA 30093
United States

Attention: Mark Tucker , VP of Engineering

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: HSW-2450
Name of Grantee: Cirronet
Equipment Class: Part 15 Spread Spectrum Transmitter
Notes: Frequency Hopping Transceiver

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
	15C	2401.056 - 2474.496	0.179		

Power output listed is conducted. Limited Modular Approval (LMA). Approval is limited to OEM installation only. Marketing to the General Public is prohibited. For Mobile operation, the power must be reduced as shown in this application and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons. For fixed point-to-point operation, the antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures with a separation distance of at least 2 meters from all persons. This device must not be collocated or operating in conjunction with any other antenna or transmitter. OEM integrators must be provided with installation instructions. OEM Integrators and end-users must be provided with transmitter operation conditions for satisfying RF exposure compliance. This grant is valid only when the device is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the device.

