



Testing Tomorrow's Technology

**Cirronet
FCC Part 15, Certification Application
WIT2410G Spread Spectrum Transceiver**

**UST Project: 05-0311
Issue Date: March 16, 2006**

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TABLE OF CONTENTS

AGENCY AGREEMENT

SECTION 1

GENERAL INFORMATION

- 1.1 Product Description
- 1.2 Related Submittal(s)

SECTION 2

TESTS AND MEASUREMENTS

- 2.1 Configuration of Tested EUT
- 2.2 Test Facility
- 2.3 Test Equipment
- 2.4 Modifications
- 2.5 Antenna Description
- 2.6 Peak Power (Bandedge Antenna Conducted at Antenna Terminal)
- 2.7 Antenna Conducted Spurious Emissions
- 2.8 Peak Radiated Spurious Emissions
- 2.9 Average Radiated Spurious Emissions
- 2.10 Bandedge Requirements
- 2.11 Minimum 20 dB Bandwidth
- 2.12 Number of Hopping Channels
- 2.13 Average Time of Occupancy per Channel
- 2.14 Power Line Conducted Emissions for Transmitter
- 2.15 Radiated Emissions for Digital Device & Receiver
- 2.16 Power Line Conducted for Digital Device & Receiver
- 2.17 Channel Separation

SECTION 3

LABELING INFORMATION

SECTION 4

BLOCK DIAGRAM(S)/ SCHEMATIC(S)

SECTION 5

PHOTOGRAPHS

SECTION 6

THEORY OF OPERATION

SECTION 7

USER'S MANUAL

LIST OF FIGURES AND TABLES

FIGURES

- 1) Test Configuration
- 2) Photograph(s) for Spurious and Conducted Emissions
- 3) Peak Output Power
- 4) Conducted Spurious Emissions
- 5) Peak Radiated Spurious Emissions
- 6) Bandedge Compliance Antenna Conducted
- 7) 20 dB Bandwidth
- 8) Number of Hopping Channels
- 9) Channel Separation

TABLES

- 1) EUT and Peripherals
- 2) Test Instruments
- 3) Peak Power Output
- 4) Peak Radiated Spurious Emissions
- 5) Average Radiated Spurious Emissions
- 6) 20 dB Bandwidth
- 7) Number of Hopping Channels
- 8) Conducted Emissions
- 9) Radiated Emissions for Digital Device and Receiver

SECTION 1

GENERAL INFORMATION

GENERAL INFORMATION

1.1 Product Description

The Equipment Under Test (EUT) is a Cirronet, Model WIT2410G modular 2.4 GHz spread spectrum transceiver. The EUT will be used with one of 15 different antennas.

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 information contained in this report is presented for the certification & verification authorization(s) for the EUT. The manufacturer desires to seek a modular approval on this device.

SECTION 2

TESTS AND MEASUREMENTS

TEST AND MEASUREMENTS

2.1 Configuration of Tested System

The sample was tested per ANSI C63.4, Methods of Measurement from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (1992). Conducted and radiated emissions data were taken with the test receiver or spectrum analyzer's resolution bandwidth adjusted to 9 kHz and 120 kHz, respectively. All measurements are peak unless stated otherwise. The video filter associated with the spectrum analyzer was off throughout the evaluation process. Bock diagrams of the tested systems are shown in Figures 1a and 16. Test configuration photographs for spurious and fundamental emissions are shown in Figure 2a -g.

The sample used for testing was received by U.S. Technologies on February 8, 2006 in good condition.

2.2 Test Facility

Testing was performed at US Tech's measurement facility at 3505 Francis Circle, Alpharetta, GA. This site has been fully described and submitted to the FCC, and accepted in their letter marked 31040/SIT. Additionally this site has also been fully described and submitted to Industry Canada (IC), and has been approved under file number IC2982.

2.3 Test Equipment

Table 2 describes test equipment used to evaluate this product.

2.4 Modifications

No modifications were made by US Tech, to bring the EUT into compliance with FCC Part 15, Class B Limits for the transmitter portion of the EUT or the Class B Digital Device Requirements.

FIGURE 1a
TEST CONFIGURATION
(Dipole Antenna)

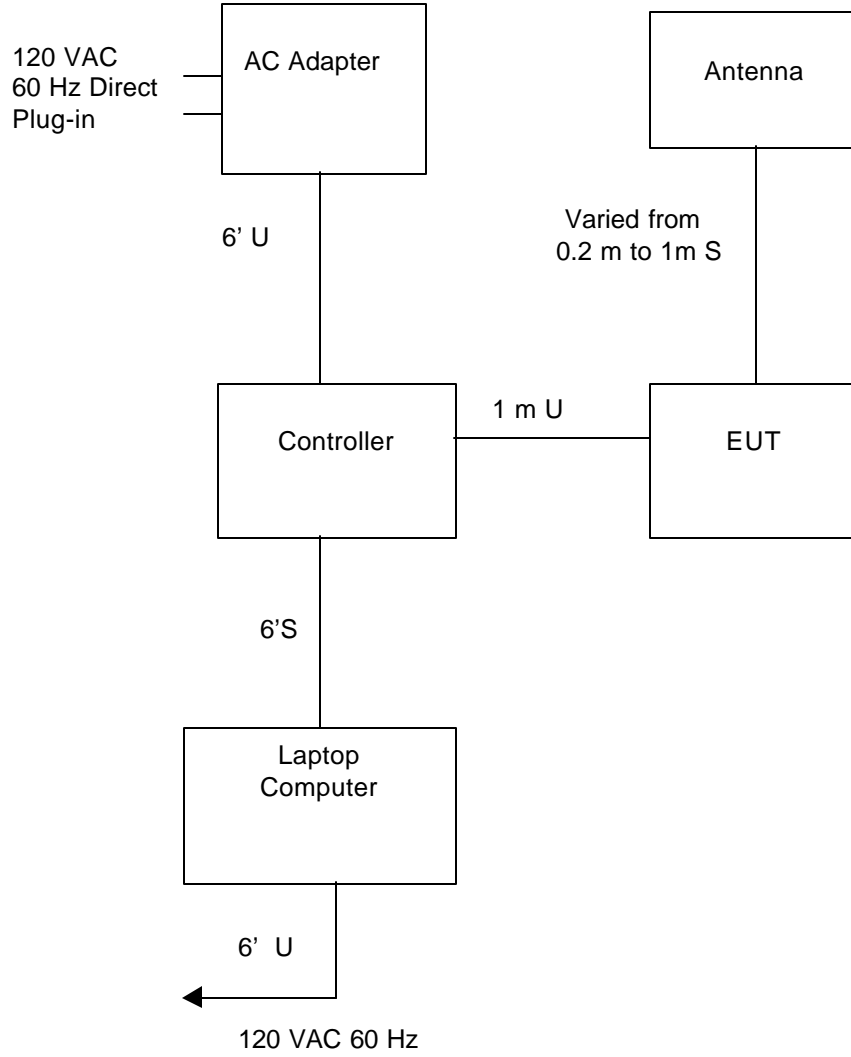


TABLE 1

Test Date: 12/21/05, 02/26/06, & March 6, 2006
UST Project: 05-0311
Customer: Cirronet
Model: WIT2410G

EUT and Peripherals

PERIPHERAL MANU.	MODEL NUMBER	SERIAL NUMBER	FCC ID:	CABLES P/D
(EUT) Cirronet	WIT2410G	008517	HSW-2410G	1 m U
Antenna Various, see antenna descriptions			None	Varied from 0.2 to 1 m S
AC Adapter Volgen	SPU10R-1	None	None	6' U 120 VAC/ 60 Hz Direct Plug-in
Controller Cirronet	None	None	None	6' S
Laptop Computer Compaq	Armada 7400	7908BXL2036	Not Visible	6' U 120 VAC/ 60 Hz Power Cord