

## PCTEST ENGINEERING LABORATORY, INC.

6660 - B Dobbin Road . Columbia, MD 21045 . USA

Telephone 410.290.6652 / Fax 410.290.6654

<http://www.pctestlab.com> (email: randy@pctestlab.com)

## CERTIFICATE OF COMPLIANCE

**MANUFACTURER NAME & ADDRESS:**

EAZIX, INC.  
Unit 301 Plaz@ B, 6530 Northgate Avenue,  
Filinvest Corporate City, Alabang,  
Muntinlupa City, Philippines 1770

**DATE & LOCATION OF TESTING:**

Date(s) of Tests: May 9-23, 2006  
Test Report S/N: 0604030221  
Test Site: PCTEST Lab, Columbia, MD

FCC ID:	R5Y-EZWF06ER
APPLICANT:	EAZIX, INC.

**SUMMARY:**

Model: EZWF06ER  
Equipment EUT Type: 802.11a/b/g WLAN Mini PCI Module  
Max. Output Power: 15.1 dBm (Peak) Conducted (Low Band)  
16.0 dBm (Peak) Conducted (High Band)  
Frequency Range: 5180 – 5240 MHz (Low Band)  
5260 – 5320 MHz (High Band)  
FCC Classification: Unlicensed National Information Infrastructure (NII)  
FCC Rule Part(s): Parts 15.407; ANSI C-63.4-2003  
Test Device Serial No.: S/N: 050722C00358

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C-63.4-2003. The EUT was tested with cover for the mini PCI access slot removed.

I authorize and attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

PCTEST certifies that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 862.

  
Randy Orlanez  
President



## TABLE OF CONTENTS

ATTESTATION STATEMENTS.....	1
FCC PART 15 E MEASUREMENT REPORT COVER PAGE.....	2
1.0 INTRODUCTION.....	3
1.1 EVALUATION PROCEDURE.....	3
1.2 SCOPE.....	3
1.3 PCTEST TEST LOCATION.....	3
2.0 PRODUCT INFORMATION .....	4
2.1 EQUIPMENT DESCRIPTION .....	4
2.2 ENCLOSURE.....	4
2.3 EMI SUPPRESSION DEVICE(S)/MODIFICATIONS.....	4
3.0 DESCRIPTION OF TEST .....	5
3.1 CONDUCTED EMISSIONS.....	5
3.2 RADIATED EMISSIONS.....	6
4.0 ANTENNA REQUIREMENTS.....	7
5.0 TEST EQUIPMENT CALIBRATION DATA.....	8
6.1 CONCLUSION.....	9
EXHIBIT A. SUMMARY OF TEST RESULTS .....	10
EXHIBIT A. 26dB BANDWIDTH MEAUREMENT .....	11-13
EXHIBIT A. OUTPUT POWER MEASUREMENT.....	14-15
EXHIBIT A. FREQUENCY STABILITY .....	16-17
EXHIBIT A. PEAK POWER SPECTRAL DENSITY.....	18-20
EXHIBIT A. PEAK EXCURSION RATIO DENSITY .....	21-23
EXHIBIT A. UNDESIREABLE EMISSIONS.....	24-27
EXHIBIT A. LINE CONDUCTED.....	28
EXHIBIT B. LABELING REQUIREMENTS .....	29-30
EXHIBIT C. BLOCK DIAGRAMS/ SCHEMATICS.....	31
EXHIBIT D. OPERATIONAL DESCRIPTION .....	32
EXHIBIT E. TEST SETUP PHOTOGRAPHS .....	33
EXHIBIT F. EUT EXTERNAL/INTERNAL PHOTOGRAPHS .....	34
EXHIBIT G. USER'S MANUAL .....	35

**Attestation Statements**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix		
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER		Page 1 of 34



## MEASUREMENT REPORT



### FCC Part 15.407 Measurement Report Cover Page

#### A. General Information

**APPLICANT** EAZIX, INC.  
**APPLICANT ADDRESS** Unit 301 Plaz@ B, 6530 Northgate Avenue,  
Filinvest Corporate City, Alabang,  
Muntinlupa City, Philippines 1770  
**TEST SITE** PCTEST ENGINEERING LABORATORY, INC.  
**TEST SITE ADDRESS** 6660-B Dobbin Road, Columbia, MD 21045 USA  
**FCC RULE PART(S)** Parts 15.407; ANSI C-63.4-2003  
**MODEL(S)** EZWFM06ER  
**FCC ID** R5Y-EZWFM06ER  
**Test Device Serial No.** 050722C00358  Production  Pre-Production  Engineering  
**FCC CLASSIFICATION** Unlicensed National Information Infrastructure (NII)  
**Antenna** 2 dBi inverted F  
**DATE(S) OF TEST** May 9-23, 2006  
**TESTS REPORT S/N** 0604030221

#### A.1 Test Facility / NVLAP Accreditation

Measurements were performed at PCTEST Engineering Lab in Columbia, MD 21045, U.S.A.

- PCTEST facility is an FCC registered (PCTEST Reg. No. 90864) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (IC 2451).
- PCTEST Lab is accredited by U.S. National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) in EMC, Telecommunication, and FCC for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. (NVLAP Lab code: 100431-0).
- PCTEST Lab is a recognized U.S. Conformity Assessment Body (CAB) in EMC and R&TTE (n.b. 0982) under the U.S.-EU Mutual Recognition Agreement (MRA).
- PCTEST TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC Guide 65 by the American National Standards Institute (ANSI) in all scopes of FCC Rules.
- PCTEST facility is an IC registered (IC-2451) test laboratory with the site description on file at Industry Canada.

PCTEST LAB TEST REPORT 15.407	FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER	Page 2 of 34

## 1.0 INTRODUCTION

### 1.1 Evaluation Procedure

The measurement procedure described in the American National Standard for Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ANSI C63.4-2003) and FCC Public Notice dated July 12, 1995 entitled "Guidance on Measurement for Direct Sequence Spread Spectrum System" were used in the measurement of **802.11a/b/g WLAN Mini PCI Module**.

### 1.2 Scope

Measurement & determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission.

### 1.3 PCTEST Test Location

The map at the right shows the location of the PCTEST LABORATORY, its proximity to the FCC Laboratory, the Columbia vicinity are, the Baltimore-Washington Interntl (BWI) airport, the city of Baltimore and the Washington, DC area. (see Figure 1.2-1).

These measurement tests were conducted at the PCTEST Engineering Laboratory, Inc. facility in New Concept Business Park, Guilford Industrial Park, Columbia, Maryland. The site address is 6660-B Dobbin Road, Columbia, MD 21045. The test site is one of the highest points in the Columbia area with an elevation of 390 feet above mean sea level. The site coordinates are 39° 11'15" N

latitude and 76° 49'38" W longitude. The facility is 1.5 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. There are no FM or TV transmitters within 15 miles of the site. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4 on October 19, 2002.

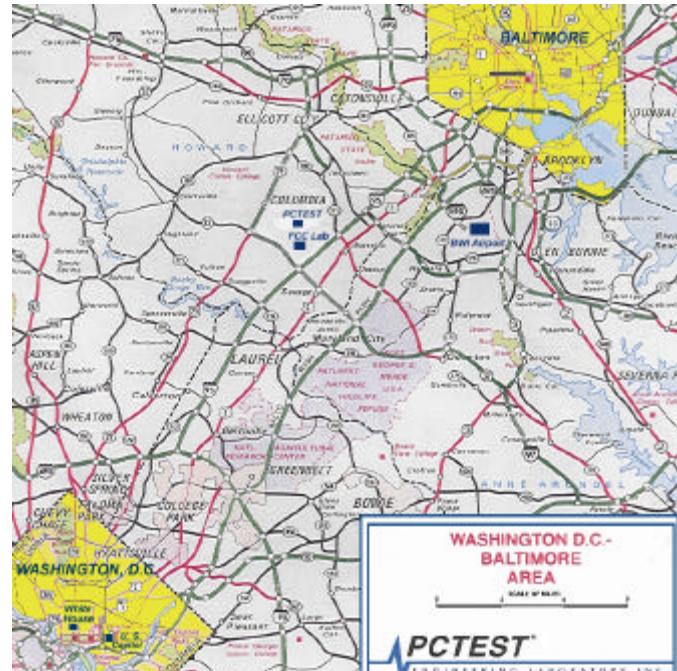


Figure 1.3-1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area

PCTEST LAB TEST REPORT 15.407	FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 3 of 34

## 2.0 PRODUCT INFORMATION

### 2.1 Equipment Description

This device automatically discontinues transmission in case of either absence of information to transmit or operational failure.

The Equipment Under Test (EUT) is the **802.11a/b/g WLAN Mini PCI Module**. The EUT consisted of the following component(s):

Table 2-1. EUT Equipment Description

Manufacturer / Model / Description	Serial Number
EAZIX/ EZWFM06ER / 802.11a/b/g WLAN Mini PCI Module	050722C00358

### 2.2 Enclosure

The EUT incorporates the following enclosure:

- NONE

### 2.3 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing.

- none

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER	Page 4 of 34

## 3.0 DESCRIPTION OF TEST

### 3.1 Conducted Emissions

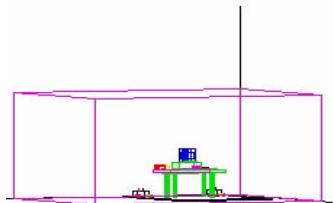


Figure 3.1-1. Shielded Enclosure Line-Conducted Test Facility

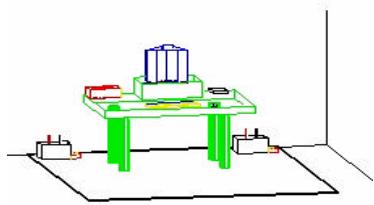


Figure 3.1-2. Line Conducted Emission Test Set-Up

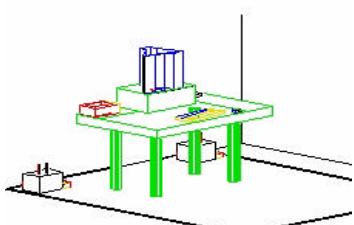


Figure 3.1-3. Wooden Table & Bonded LISNs

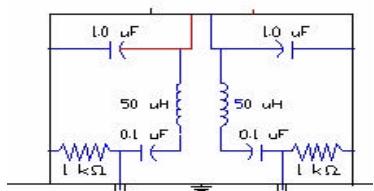


Figure 3.1-4. LISN Schematic Diagram

The line-conducted facility is located inside a 16'x20'x10' shielded enclosure, manufactured by Ray Proof Series 81 (see Figure 3.1-1). The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-5. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 1.5m away from the sidewall of the shielded room (see Figure 3.1-2). Solar Electronics and EMCO Model 3725/2 (10kHz-30MHz) 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room (See Figure 3.1-3). The EUT is powered from the Solar LISN and the support equipment is powered from the EMCO LISN. Power to the LISNs are filtered by a high-current high-insertion loss Ray Proof power line filter (100dB 14Hz-10GHz). The purpose of the filter is to attenuate ambient signal interference and this filter is also bonded to the shielded enclosure. All electrical cables are shielded by braided tinned copper zipper tubing with an inner diameter of 1/2". If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the Solar LISN. The LISN schematic diagram is shown (See Figure 3.1-4). All interconnecting cables more than 1 meter were shortened to a 1-meter length by non-inductive bundling (serpentine fashion). Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer to determine the frequency producing the maximum EME from the EUT. The spectrum was scanned from 150kHz to 30MHz with a 20msec. sweep time. The frequencies producing the maximum level were re-examined using an EMI/Field Intensity Meter and Quasi-Peak adapter. The detector function was set to CISPR quasi-peak and average mode. The bandwidth of the receiver was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each EME emission. Each emission was maximized by: switching power lines; varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and/or support equipment, and powering the monitor from the floor mounted outlet box and the computer aux AC outlet, if applicable; whichever determined the worst-case emission. Photographs of the worst-case emission can be seen in Exhibit M. Each EME reported was calibrated using the HP8640B signal generator.

PCTEST LAB TEST REPORT 15.407	FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 5 of 34

### 3.2 Radiated Emissions

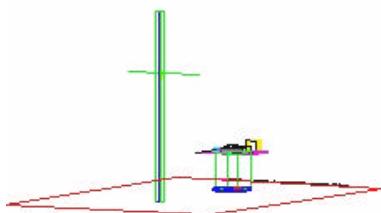


Figure 3.2-1. Meter Test Site

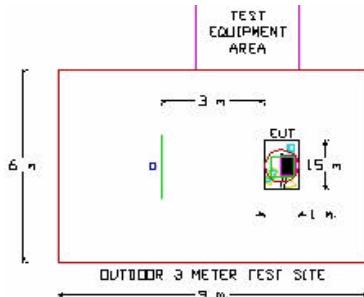


Figure 3.2-2. Dimensions of Outdoor Test Site

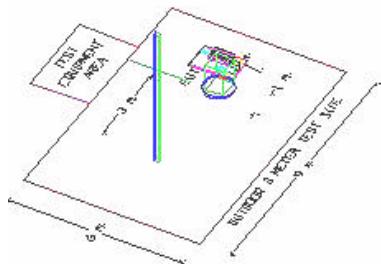


Figure 3.2-3. Turntable and System Setup

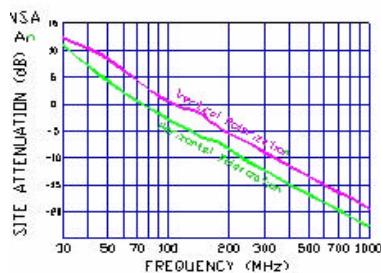


Figure 3.2-4. Normalized Site Attenuation Curves (H&V)

Preliminary measurements were made indoors at 1 meter using broadband antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, turntable azimuth with respect to the antenna was noted for each frequency found. The spectrum was scanned from 30 to 200 MHz using bi-conical antenna and from 200 to 1000 MHz using log-spiral antenna. Above 1 GHz, linearly polarized double ridge horn antennas were used.

Final measurements were made outdoors at 3-meter test range using Roberts™ Dipole antennas or horn antenna (see Figure 3.2-1). The test equipment was placed on a wooden and plastic bench situated on a 1.5 x 2 meter area adjacent to the measurement area (see Figure 3.2-2). Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. Each frequency found during pre-scan measurements was re-examined and investigated using EMI/Field Intensity Meter and Quasi-Peak Adapter. The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 100kHz or 1 MHz depending on the frequency or type of signal. Above 1GHz the detector function was set to CISPR average mode (RBW = 1MHz, VBW = 10Hz).

The half-wave dipole antenna was tuned to the frequency found during preliminary radiated measurements. The EUT, support equipment and interconnecting cables were re-configured to the set-up producing the maximum emission for the frequency and were placed on top of a 0.8-meter high non-metallic 1 x 1.5 meter table (see Figure 3.2-3). The EUT, support equipment, and interconnecting cables were rearranged and manipulated to maximize each EME emission. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Each emission was maximized by: varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and/or support equipment, and powering the monitor from the floor mounted outlet box and the computer aux AC outlet, if applicable; and changing the polarity of the antenna, whichever determined the worst-case emission. Photographs of the worst-case emission can be seen in Exhibit E-G. Each EME reported was calibrated using the HP8640B signal generator. The Theoretical Normalized Site Attenuation Curves for both horizontal and vertical polarization are shown in Figure 3.2-4.

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF0M06ER	Page 6 of 34	

## 4.0 ANTENNA REQUIREMENTS

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the applicant can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with this requirement.

The antennas port is a unique coupled Mini PCB connector.

Conclusion:

The **EAZIX 802.11a/b/g WLAN Mini PCI Module** unit complies with the requirement of 15.203.

### Low Band:

Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
36	5180	52	5260
-	:	-	:
42	5210	56	5280
-	:	-	:
48	5240	64	5320

Table 4.1 Frequency/ Channel Operations

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 7 of 34

## 5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST).

TYPE	MODEL	CAL. DUE DATE	CAL. INTERVAL	SERIAL No.
Microwave Spectrum Analyzer	HP E4448A (100Hz-50GHz)	12/05/06	Annual	3638A08713
Microwave Spectrum Analyzer	HP 8566 (100Hz-22GHz)	04/17/07	Annual	2542A11898
Spectrum Analyzer/Tracking Generator	HP 8591A (9kHz-1.8GHz)	06/02/07	Annual	3144A02458
Spectrum Analyzer	HP 8591A (9kHz-1.8GHz)	10/15/06	Annual	3108A02053
Spectrum Analyzer	HP 8594A (9kHz-2.9GHz)	11/02/06	Annual	3051A00187
Signal Generator	HP 8650B (500Hz-1GHz)	06/02/07	Annual	2232A19558
Signal Generator	HP 8640B (500Hz-1GHz)	06/02/07	Annual	1851A09816
Signal Generator	Rohde & Schwarz (0.1-1GHz)	09/22/06	Annual	894215/012
Ailtech/Eaton Receiver	NM 37/57A-SL (30MHz-1GHz)	04/12/07	Annual	0792-03271
Ailtech/Eaton Receiver	NM 37/57A (30MHz-1GHz)	03/11/07	Annual	0805-03334
Ailtech/Eaton Receiver	NM 17/27A (0.1-32MHz)	09/17/06	Annual	0608-03241
Quasi-Peak Adapter	HP 85650A	08/09/06	Annual	2043A00301
Ailtech/Eaton Adapter	CCA-7 CISPR/ANSI QP Adapter	03/11/07	Annual	0194-04082
RG58 Coax Test Cable	No.167			n/a
Harmonic/Flicker Test System	HP 6841A (IEC 555-2/3)			3531A00115
Broadband Amplifier (2)	HP 8447D			1145A00470, 1937A03348
Broadband Amplifier	HP 8447F			2443A03784
Transient Limiter	HP 11947A (9kHz-200MHz)			2820A00300
Horn Antenna (2)	EMCO Model 3115 (1-18GHz)			9704-5182, 9205-3874
Horn Antenna	EMCO Model 3116 (18-40GHz)			9203-2178
Biconical Antenna (3)	Eaton 94455-1			1295, 1332, 1277
Log-Spiral Antenna (2)	Ailtech/Eaton 93490-1			0227, 1104
Log-Spiral Antenna	Singer 93490-1			147
Roberts Dipoles	Compliance Design (1 set) A100			5118
Ailtech Dipoles	DM-105A (1set)			33448-111
EMCO LISN (3)	3816/2, 3816/2, 3725/2			1077, 1079, 2099
50-ohm Terminator	n/a			n/a
Microwave Preamp 40dB Gain	HP 83017A (0.5-26.5GHz)			3123A00181
Microwave Cables	MicroCoax (1.0-26.5GHz)			n/a
Ailtech/Eaton Receiver	NM37/57A-SL			0792-03271
Anritsu Power Meter	ML2487A	04/05/07	2 Years	6K00001785
Anritsu Wide Band Sensor	MA2491A	04/05/07	2 Years	31193
Spectrum Analyzer	HP 8591A			3034A01395
Modulation Analyzer	HP 8901A			2432A03467
NTSC Pattern Generator	Leader 408			0377433
Noise Figure Meter	HP 8970B, Ailtech 7510			3106A02189, TE31700
Noise Generator	Ailtech 7010			1473
Microwave Survey Meter	Holaday Model 1501 (2.45GHz)			80931
Digital Thermometer	Extech Instruments 421305			426966
Attenuator	HP 8495A (0-70dB) DC-4GHz			
Bi-Directional Coax Coupler	Narda 3020A (50-1000MHz)			
Shielded Screen Room	RF Lindgren Model 26-2/2-0			6710 (PCT270)
Shielded Semi-Anechoic Chamber	Ray Proof Model S81			R2437 (PCT278)
Environmental Chamber	Associated Systems 1025			PCT285
OATS	n/a	12/31/2006	Tri-annual	

Table 5-1. Annual Test Equipment Calibration Schedule

PCTEST LAB TEST REPORT 15.407	 FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER

**6.0****CONCLUSION**

The data collected relate only the item(s) tested and show that the **802.11a/b/g WLAN Mini PCI Module** is in compliance with Part 15E of the FCC Rules.

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	ezix		
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER		Page 9 of 34

## **EXHIBIT A – Test Results**

### **Summary**

The intentional radiator has been tested in a simulated typical installation to demonstrate compliance with the relevant FCC performance and procedural standards.

Tests were performed with the radio transmitting at full power on the specified channels and at the data rates specified below. **Final data was taken at a data rate of 36 Mbps**, because at the higher available data rates the output power is automatically reduced by several dB. The channels tested are low, middle and high of the allocated bands.

Final system data was gathered in a mode that tended to maximize emissions by varying the orientation of the EUT, orientation of power and I/O cabling, antenna search height, and antenna polarization.

Method/System:	U-NII
Data Rate(s) Tested:	9, 12, 18, 24, 36, 48, 54 Mbps

FCC Part Section(s)	RSS 210 Section	Test Description	Test Limit	Test Condition
<u>TRANSMITTER MODE (TX)</u>				
15.403 (c)	6.2.2(q)(iv)(b)	26 dB Bandwidth	> 500kHz	CONDUCTED
15.407 (a)(1), (2), (3)	6.2.2(q1)(i)(ii)	Transmitter Output Power Conducted	<50 mW 5150-5250 MHz , <250 mW 5250-5350 <1 W 5725-5825 MHz	
15.407 (a)(1), (2), (3), (5)	6.2.2(q1)(i)(ii)	Transmitter Power Spectral Density	<4 dBm 5150-5250 MHz IC: <10 dBm <11dBm 5250-5350 MHz	
15.407(a)(6)	N/A	Peak Excursion	<13 dB across 1 MHz	
15.407(b)(1), (2)(5)(6)		Undesirable Emissions	-27 dBm/MHz EIRP	Radiated
15.205 15.209	6.2.1 6.3	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	< FCC 15.209 limits or < RSS-210 table 3 limits Emissions in restricted bands must meet the radiated limits detailed in 15.209	Radiated (30MHz-1GHz) (1-25 GHz)
15.207	6.6	AC Conducted Emissions 150kHz – 30MHz	EN55022	Line Conducted
<u>RECEIVER MODE (RX)</u>				
15.107	7.4	AC Conducted Emissions 150kHz – 30MHz	EN55022	Line Conducted
15.109	7.3	General Field Strength Limits (Restricted Bands and Radiated Emissions Limits)	< FCC 15.209 limits or < RSS-210 table 3 limits	Radiated (30MHz-1GHz) (1-25 GHz)
<u>RF EXPOSURE (SAR or MPE)</u>				
2.1093/2.1091	RSS-102	SAR Test or MPE	1.6 W/kg or mw/cm <sup>2</sup>	3 Channels

**Table A-1. Summary of Test Results**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 10 of 34

## EXHIBIT A – Test Results (Cont.)

### 26dB Bandwidth Measurement

The bandwidth at 26dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

The spectrum analyzer is set to:

RBW = 30 kHz (10dB/div)

VBW = 300 kHz

Span = 20 MHz

Sweep = 64.88 ms

Frequency (MHz)	Channel No.	Test Results	
		26dB Bandwidth (MHz)	Pass/Fail
5180	36	16.33	Pass
5260	52	16.35	Pass
5320	64	16.35	Pass

– See next pages for actual measured spectrum plots

Table A-2. Conducted Bandwidth Measurements

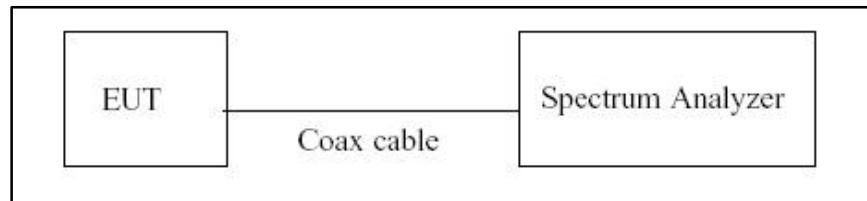
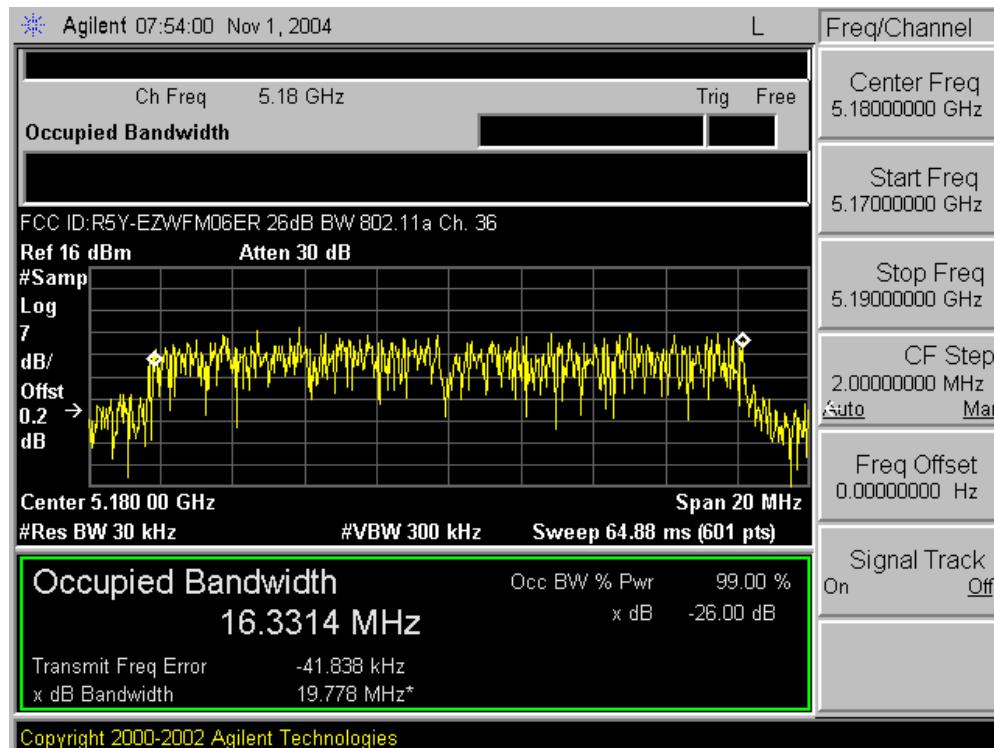
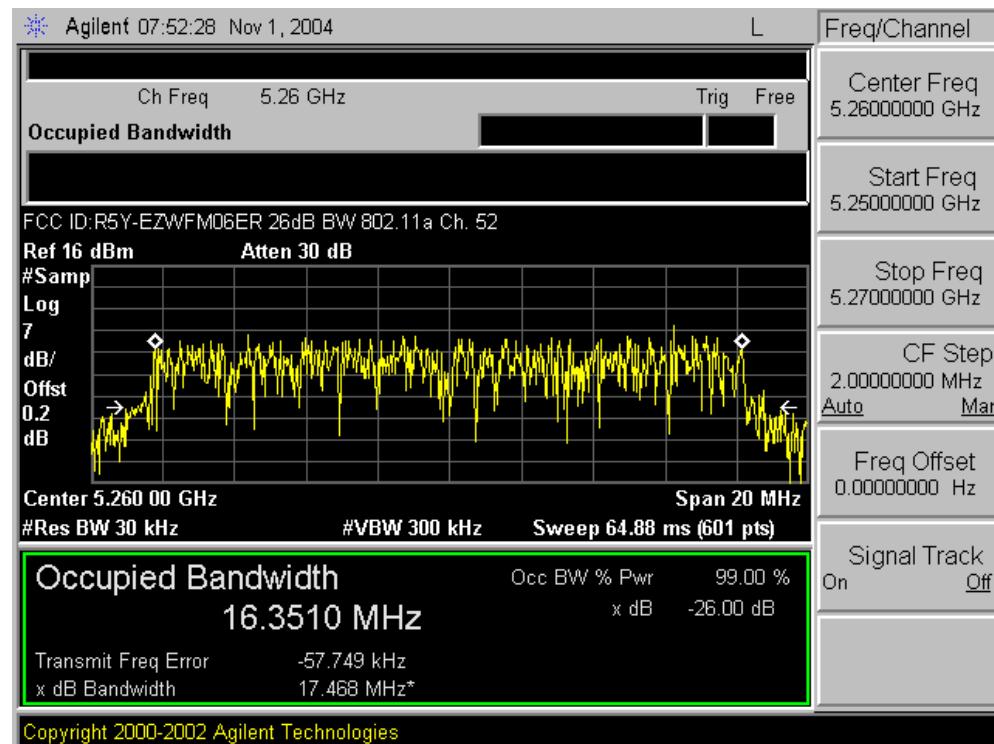


Figure A-1. Test Instrument & Measurement Setup

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 11 of 34

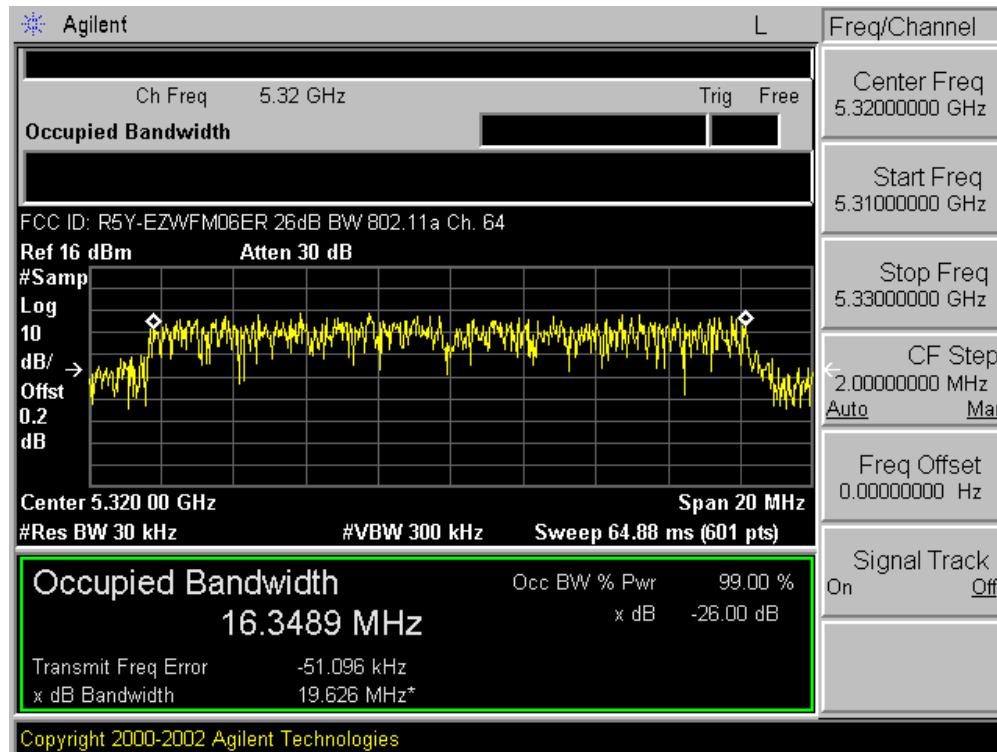


Plot A-1. 26dB Bandwidth Plot – Ch. 36



Plot A-2. 26dB Bandwidth Plot – Ch. 52

PCTEST LAB TEST REPORT 15.407	   FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWM06ER



Plot A-3. 26dB Bandwidth Plot – Ch. 64

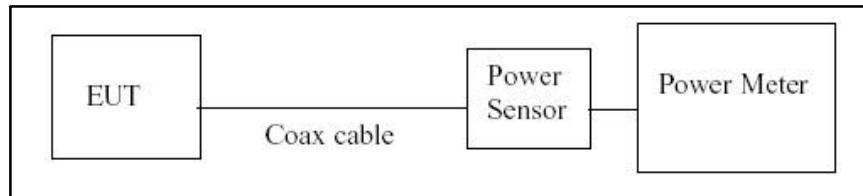
PCTEST LAB TEST REPORT 15.407	   FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER

**EXHIBIT A – Test Results (Cont.)****Output Power Measurement 802.11a (5.2 GHz Band)**§15.407(a) (1), (2), (3)

A transmitter antenna terminal of EUT is connected to the input of a RF power sensor. Measurement is made while the EUT is operating in transmission mode at the appropriate frequencies.

Minimum Standard – 46mW.

Freq (MHz)	Chan	Rate (MBps)	Peak Power (dBm)
5180	36	18	14.4
5210	42	18	14.7
5240	48	18	15.1
5260	52	18	16.0
5280	56	18	15.83
5320	64	18	15.47

**Table A-5. Conducted Output Power Measurements****Figure A-4. Test Instrument & Measurement Setup**

PCTEST LAB TEST REPORT 15.407		<b>FCC CERTIFICATION REPORT</b>			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER		Page 14 of 34

**EXHIBIT A – Test Results (Cont.)**

**Frequency Stability**

OPERATING FREQUENCY: 5,180,000,003 Hz

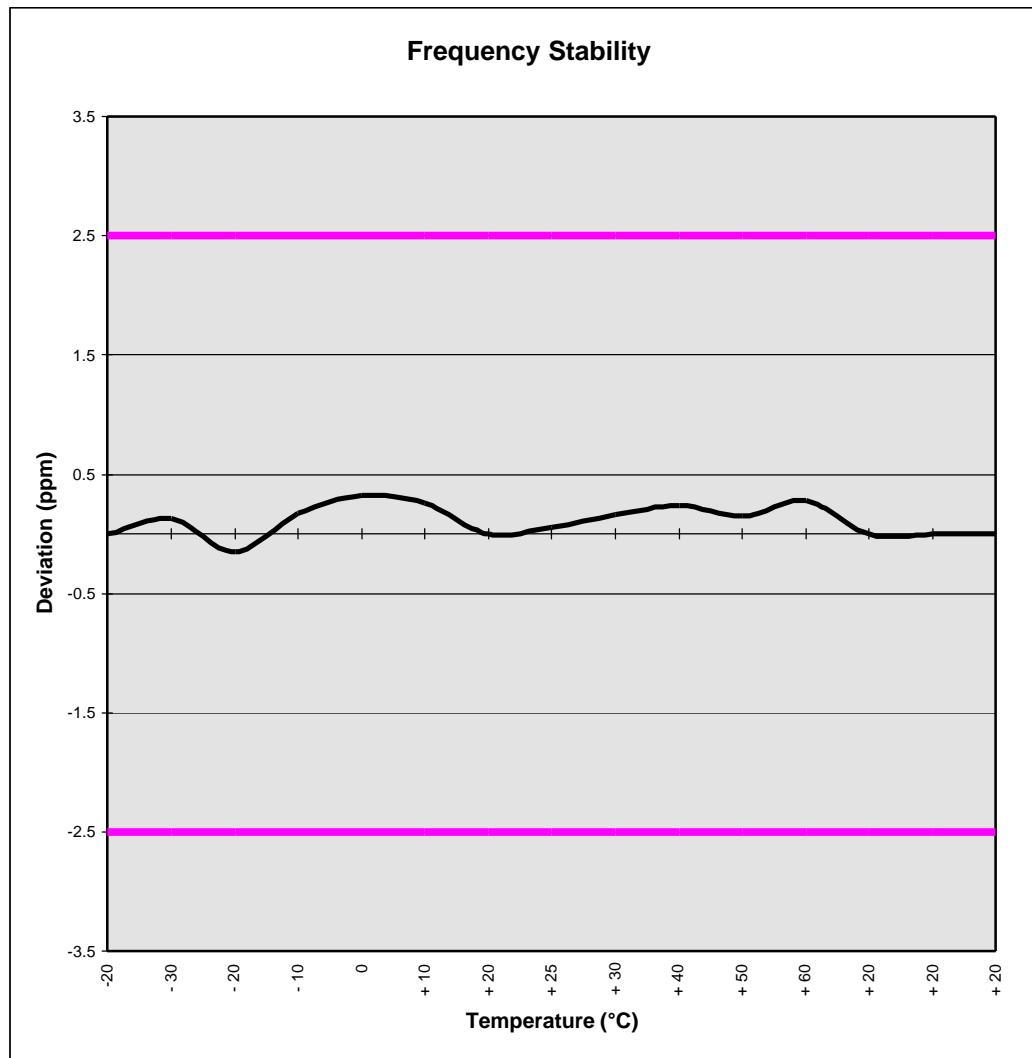
CHANNEL: 36

REFERENCE VOLTAGE: 3.7 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQ. (Hz)	Deviation (%)
100 %	3.70	+ 20 (Ref)	5,180,000,003	0.000000
100 %		- 30	5,179,999,330	0.000013
100 %		- 20	5,180,000,780	-0.000015
100 %		- 10	5,179,999,122	0.000017
100 %		0	5,179,998,345	0.000032
100 %		+ 10	5,179,998,656	0.000026
100 %		+ 20	5,180,000,003	0.000000
100 %		+ 25	5,179,999,692	0.000006
100 %		+ 30	5,179,999,174	0.000016
100 %		+ 40	5,179,998,760	0.000024
100 %		+ 50	5,179,999,226	0.000015
100 %		+ 60	5,179,998,553	0.000028
85 %	3.15	+ 20	5,180,000,003	0.000000
115 %	4.26	+ 20	5,180,000,003	0.000000
BATT. ENDPOINT	3.10	+ 20	5,180,000,003	0.000000

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 15 of 34

**EXHIBIT A – Test Results (Cont.)****Frequency Stability**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFM06ER		Page 16 of 34

**EXHIBIT A – Test Results (Cont.)**

**PEAK Power Spectral Density FCC 15.407(a)(1) and (a)(2)**

The spectrum analyzer was connected to the antenna terminal while the EUT was operating in a continuous transmission mode at the appropriate center frequencies.

The spectrum analyzer was set to : RBW=1 MHz, VBW=3MHz, mode=Sample "on" for FCC (Measurement Method 2 from FCC Public Notice DA 02-2138) and "off" for Industry Canada.

The spectrum analyzer is set to:

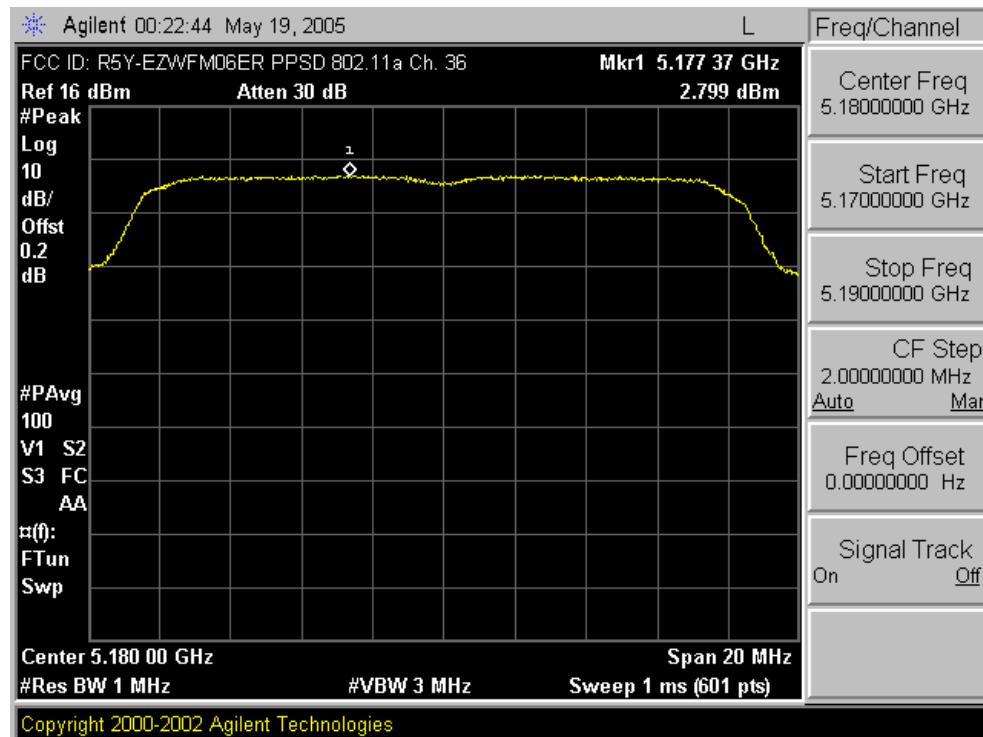
RBW	1 MHz (10dB/div)
VBW	3 MHz
Span	20 MHz
Ref. Level	10 dBm
Sweep	1 ms
Detector	Sampling with power averaging (100 sweeps)

Frequency (MHz)	Channel No.	Test Results		
		Power Density (dBm)	Limit	Margin (dB)
5180	36	2.80	4 dBm	- 1.20
5260	52	6.22	11 dBm	- 4.78
5320	64	6.52	11 dBm	- 4.48

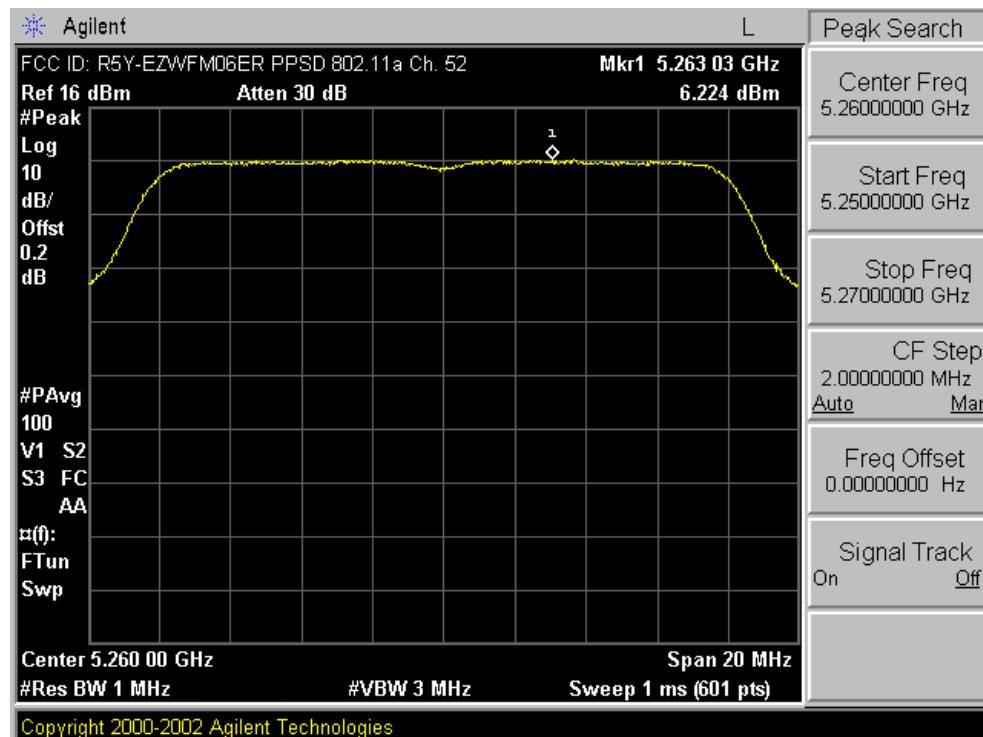
See next pages for actual measured spectrum plots

**Table A-4. Conducted Power Density Measurements (9 Mbps)**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER		Page 17 of 34

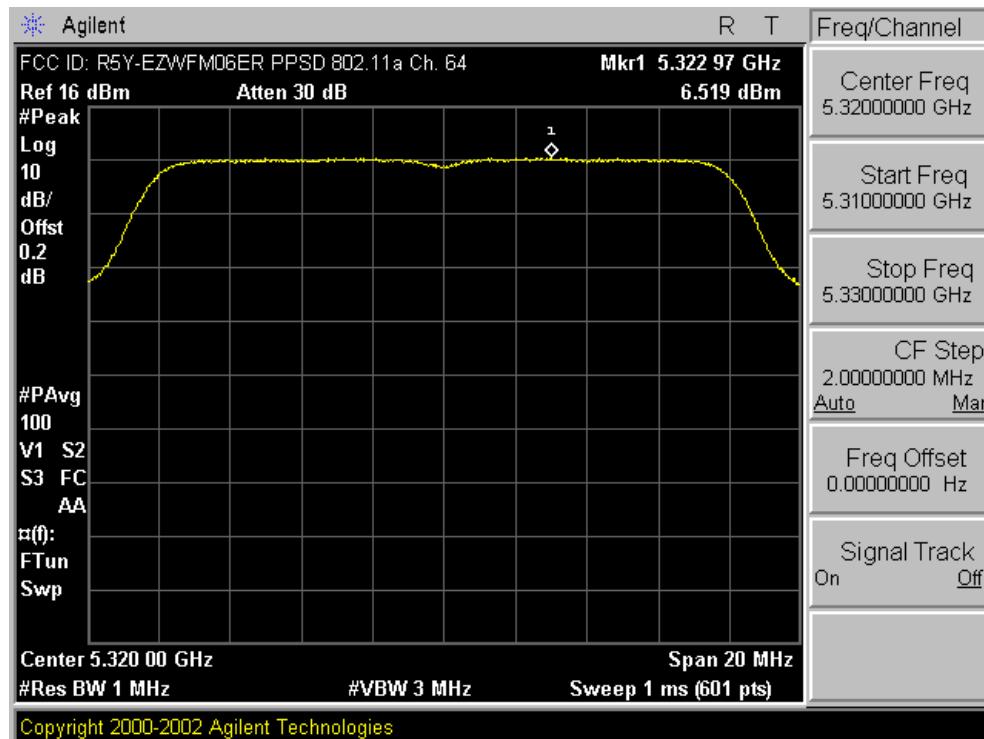


Plot A-7. Peak Power Spectral Density Plot – Low channel / Low Band



Plot A-8. Peak Power Spectral Density Plot – Mid Channel / Low Band

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 18 of 34	



**Plot A-8. Peak Power Spectral Density Plot – High Channel / Low Band**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER		Page 19 of 34

**EXHIBIT A – Test Results (Cont.)**

**PEAK Excursion Ratio FCC 15.407(a)(6)**

The spectrum analyzer was connected to the antenna terminal while the EUT was operating in the continuous transmission mode at the appropriate center frequencies.

1<sup>st</sup> Trace:

The spectrum analyzer was set to : RBW=1 MHz, VBW=3MHz, mode=Peak detector and max hold.

2<sup>nd</sup> Trace:

The spectrum analyzer was set to : RBW=1 MHz, VBW=30kHz, trigger=free run, mode=sample detector "on" (settings tend to present similar results compared to the power meter)

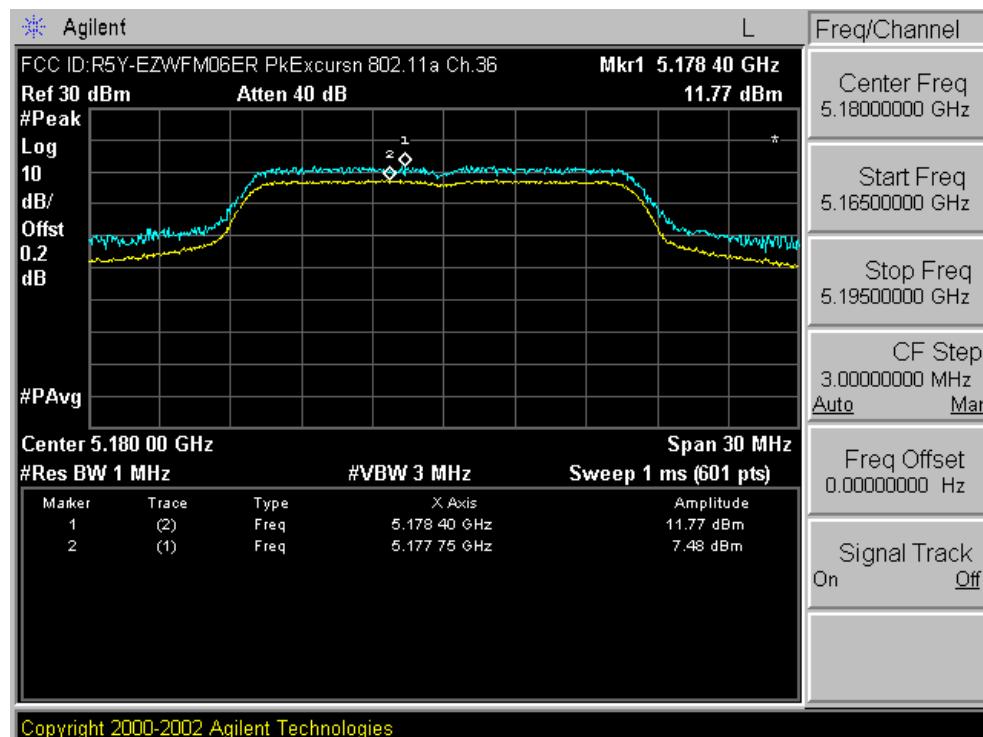
Largest difference between the traces is the peak excursion.

The spectrum analyzer is set to:

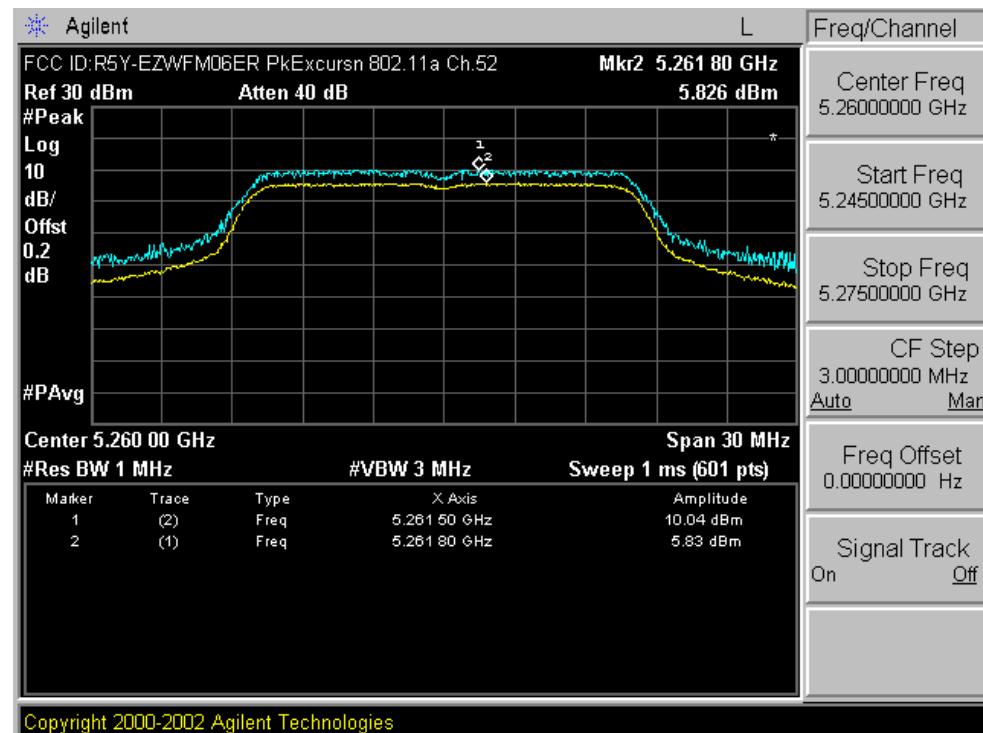
Frequency (MHz)	Channel No.	Test Results		
		Excursion Ratio (dBm)	Limit	Margin (dB)
5180	36	4.22	13 dBm	- 8.78
5260	52	4.21	13 dBm	- 8.79
5320	64	4.21	13 dBm	- 8.79

See next pages for actual measured spectrum plots

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT		Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 20 of 34

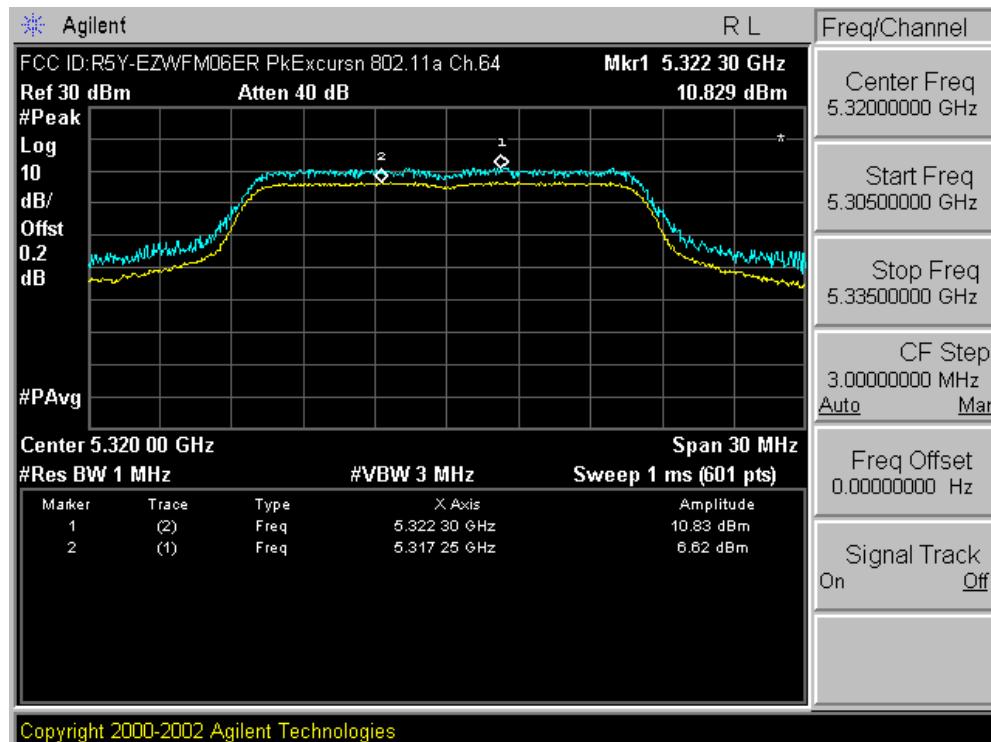


Plot A-9. Peak Excursion Ratio Plot – Ch. 36



Plot A-10. Peak Excursion Ratio Plot – Ch. 52

PCTEST LAB TEST REPORT 15.407	<b>PCTEST</b> Microwaves Wireless LAN Wireless LAN Solutions	<b>FCC CERTIFICATION REPORT</b>		<b>eazix</b>	Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWFMD06ER		Page 21 of 34



Plot A-11. Peak Excursion Ratio Plot – Ch. 64

PCTEST LAB TEST REPORT 15.407	<b>PCTEST</b> Engineering Lab. Inc. www.pctest.com	<b>FCC CERTIFICATION REPORT</b>		<b>eazix</b>	Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER		Page 22 of 34

## EXHIBIT A – Test Results (Cont.)

### Undesirable Emissions: Radiated Measurements and Restricted Band Measurements

The EUT was tested from 9kHz to the tenth harmonic of the fundamental frequency of the transmitter. Below 1GHZ a CISPR quasi peak detector was used. Above 1 GHz average measurements were taken, using RBW= 1MHz, 1MHz, and linearly polarized horn antennas. In addition, peak measurements (RBW= 1MHz, VBW= 1MHz) were taken to ensure that the peak levels are not more than 20dB above the average limit. No harmonics/spurs peak emissions are more than 20dB above the average limit. Special attention is taken for the EUT's harmonic and spurious radiated emissions in the restricted bands of operations, as defined in Section 15.205.

Frequency	F/S (mV/m)	Measured Distance (Meters)
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table A-6. Restricted Band Limits

### TEST MEASUREMENT EQUIPMENT

Agilent E4448A	PSA Spectrum Analyzer 3 Hz - 50GHz
HP 4448A	Spectrum Analyzer 100Hz – 50GHz
HP 83017A	Microwave Analyzer 40dB Gain (0.5 – 26.5GHz)
HP 3784A	Digital Transmission Analyzer
EMCO 3115	Horn Antenna (1 – 18GHz)
EMCO 3116	Horn Antenna (18 – 40GHz)
HP 8495A	20dB Attenuator (DC-40GHz) 0 –70dB
HP 8493B	10dB Attenuator
MicroCoax Cables	Low Loss Microwave Cables (1 – 25.5GHz)
CDI Dipoles	Dipole Antennas (30 – 1000MHz)
EMCO 3116	Horn Antenna (18 – 40GHz)

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 23 of 34	

## EXHIBIT A – Test Results (Cont.)

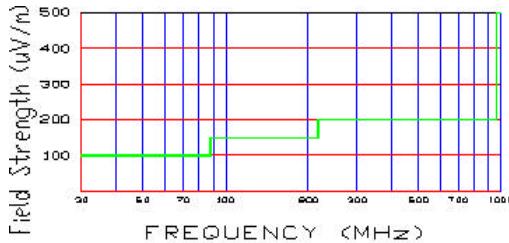
### Undesirable Emissions: Radiated Measurements and Restricted Band Measurements

§15.407(b)(1) and (2), §15.205 & §15.209

Transfer Rate:	18 Mbps
Distance of Measurements:	3 Meters
Channel:	36

Frequency [MHz]	Level [dBm]	Pol. [H/V]	Field Strength [dBmV/m]	Field Strength [mV/m]	Margin [dB]
10360	-112.60	V	35.0	56.2	-33.24
15540	-135.00	V	17.8	7.8	-36.18
20720	-135.00	V	21.6	12.0	-32.38
25900	-135.00	V	24.1	16.0	-44.14

**Table A-7. Radiated Measurements @ 3 meters**



**Figure A-5. Radiated limits at 3 meters.**

#### NOTES:

1. The limit listed in Section 15.407(b) is -27 dBm/MHz EIRP. This is equivalent to a field strength of 68.24 dBuV/m @ 3m.
2. The Restricted Band limit (Section 15.205) for frequencies above 960 MHz is 54 dBuV/m @ 3m.
3. Average Measurements > 1GHz using RBW = 1 MHz,
- VBW = 10 Hz
4. The peak emissions above 1 GHz are not more than 20 dB above the average limit.
5. The antenna is manipulated through typical positions, polarity and length during the tests.
6. The EUT is supplied with nominal AC voltage or/and a new/fully-recharged battery.
7. The spectrum is measured from 9kHz to the 10<sup>th</sup> harmonic and the worst-case emissions are reported.
8. Levels < -140 dBm are at the analyzer noise floor.

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER		Page 24 of 34

## **EXHIBIT A – Test Results (Cont.)**

### **Undesirable Emissions: Radiated Measurements and Restricted Band Measurements**

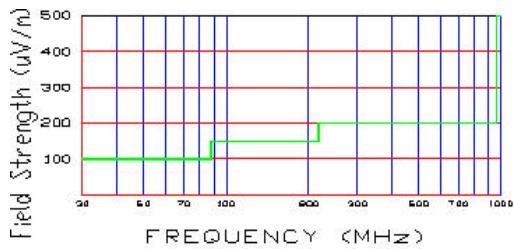
§15.407(b)(1) and (2), §15.205 & §15.209

Transfer Rate:	18 Mbps
Distance of Measurements:	3 Meters
Channel:	52

Frequency [MHz]	Level [dBm]	Pol. [H/V]	Field Strength [dBmV/m]	Field Strength [mV/m]	Margin [dB]
10520	-113.50	V	34.00	50.1	-34.24
15780	-135.00	V	19.30	9.2	-34.68
21040	-135.00	V	22.05	12.7	-31.93
26300	-135.00	V	24.50	16.8	-43.74

**Table A-8. Radiated Measurements @ 3 meters**

NOTES:



**Figure A-6. Radiated limits at 3 meters.**

1. The limit listed in Section 15.407(b) is -27 dBm/MHz EIRP. This is equivalent to a field strength of 68.24 dBuV/m @ 3m.
2. The Restricted Band limit (Section 15.205) for frequencies above 960 MHz is 54 dBuV/m @ 3m.
3. Average Measurements > 1GHz using RBW = 1 MHz, VBW = 10 Hz
4. The peak emissions above 1 GHz are not more than 20 dB above the average limit.
5. The antenna is manipulated through typical positions, polarity and length during the tests.
6. The EUT is supplied with nominal AC voltage or/and a new/fully-recharged battery.
7. The spectrum is measured from 9kHz to the 10<sup>th</sup> harmonic and the worst-case emissions are reported.
8. Levels < -140 dBm are at the analyzer noise floor.

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 25 of 34	

## EXHIBIT A – Test Results (Cont.)

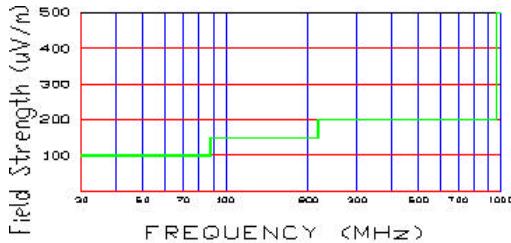
### Undesirable Emissions: Radiated Measurements and Restricted Band Measurements

\$15.407(b)(1) and (2), §15.205 & §15.209

Transfer Rate: 18 Mbps  
 Distance of Measurements: 3 Meters  
 Channel: 64

Frequency [MHz]	Level [dBm]	Pol. [H/V]	Field Strength [dBmV/m]	Field Strength [mV/m]	Margin [dB]
10640	-111.90	V	35.70	61.0	-18.28
15960	-135.00	V	17.90	7.9	-36.08
21280	-135.00	V	21.39	11.7	-32.59
26600	-135.00	V	25.35	18.5	-42.89

**Table A-9. Radiated Measurements @ 3 meters**



**Figure A-7. Radiated limits at 3 meters.**

#### NOTES:

1. The limit listed in Section 15.407(b) is -27 dBm/MHz EIRP. This is equivalent to a field strength of 68.24 dBuV/m @ 3m.
2. The Restricted Band limit (Section 15.205) for frequencies above 960 MHz is 54 dBuV/m @ 3m.
3. Average Measurements > 1GHz using RBW = 1 MHz,  
VBW = 10 Hz
4. The peak emissions above 1 GHz are not more than 20 dB above the average limit.
5. The antenna is manipulated through typical positions, polarity and length during the tests.
6. The EUT is supplied with nominal AC voltage or/and a new/fully-recharged battery.
7. The spectrum is measured from 9kHz to the 10<sup>th</sup> harmonic and the worst-case emissions are reported.
8. Levels < -140 dBm are at the analyzer noise floor.

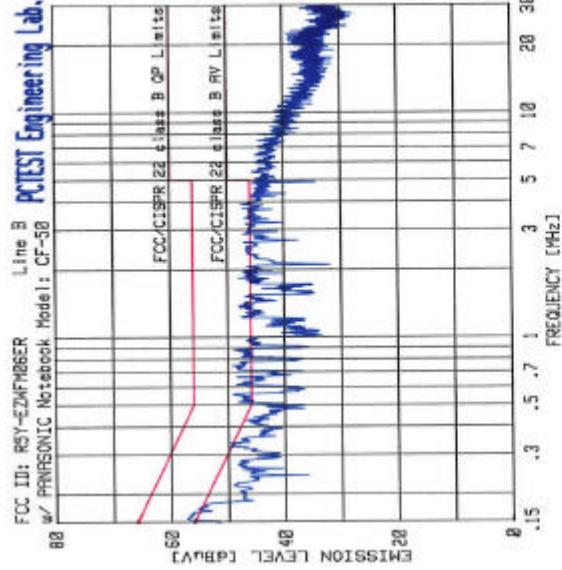
PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER		Page 26 of 34

## EXHIBIT A – Test Results (Cont.)

### Line-Conducted Test Data

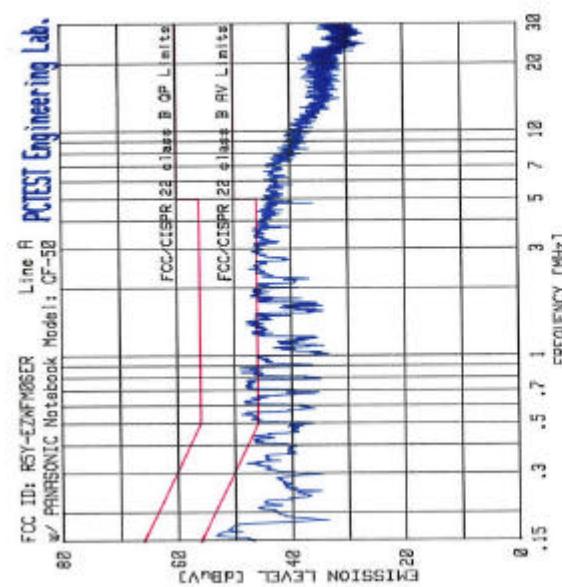
\$15.207

#### Line B PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Avg [dBuV]	Margin [dB]	No.	Freq. [MHz]	Quasi-Pk [dBuV]	Avg [dBuV]	Margin [dB]						
1	.074	46.33	56.00	-9.67	29.89	46.00	-16.11	1	.733	47.24	56.00	-8.76	28.93	46.00	-17.07
2	.545	47.15	56.00	-9.84	32.95	46.00	-12.04	2	.549	47.23	56.00	-8.77	32.90	46.00	-13.12
3	.612	47.43	56.00	-9.57	38.14	46.00	-7.85	3	.873	46.34	56.00	-9.66	38.84	46.00	-15.16
4	.717	48.56	56.00	-7.44	32.00	46.00	-14.00	4	.617	47.03	56.00	-9.97	35.00	46.00	-12.91
5	1.372	44.43	56.00	-11.57	25.76	46.00	-22.24	5	.659	41.39	56.00	-14.61	28.19	46.00	-17.82
6	1.433	45.97	56.00	-10.83	26.15	46.00	-19.85	6	.524	46.44	56.00	-9.56	32.29	46.00	-13.71
7	2.350	45.89	56.00	-10.31	27.30	46.00	-18.70	7	.712	49.43	56.00	-7.57	31.96	46.00	-14.94
8	44.61	56.00	-11.39	27.10	46.00	-19.90	8	1.838	45.78	56.00	-12.22	30.94	46.00	-15.25	
9	1.355	45.78	56.00	-10.22	33.43	46.00	-12.57	9	1.356	44.26	56.00	-11.74	25.41	46.00	-20.59
10	1.044	44.85	56.00	-11.14	26.54	46.00	-19.46	10	.151	53.85	55.95	-12.91	44.82	55.00	-11.18

#### Line A PCTEST Engineering Lab.



No.	Freq. [MHz]	Quasi-Pk [dBuV]	Avg [dBuV]	Margin [dB]	No.	Freq. [MHz]	Quasi-Pk [dBuV]	Avg [dBuV]	Margin [dB]						
1	.074	46.33	56.00	-9.67	29.89	46.00	-16.11	1	.733	47.24	56.00	-8.76	28.93	46.00	-17.07
2	.545	47.15	56.00	-9.84	32.95	46.00	-12.04	2	.549	47.23	56.00	-8.77	32.90	46.00	-13.12
3	.612	47.43	56.00	-9.57	38.14	46.00	-7.85	3	.873	46.34	56.00	-9.66	38.84	46.00	-15.16
4	.717	48.56	56.00	-7.44	32.00	46.00	-14.00	4	.617	47.03	56.00	-9.97	35.00	46.00	-12.91
5	1.372	44.43	56.00	-11.57	25.76	46.00	-22.24	5	.659	41.39	56.00	-14.61	28.19	46.00	-17.82
6	1.433	45.97	56.00	-10.83	26.15	46.00	-19.85	6	.524	46.44	56.00	-9.56	32.29	46.00	-13.71
7	2.350	45.89	56.00	-10.31	27.30	46.00	-18.70	7	.712	49.43	56.00	-7.57	31.96	46.00	-14.94
8	44.61	56.00	-11.39	27.10	46.00	-19.90	8	1.838	45.78	56.00	-12.22	30.94	46.00	-15.25	
9	1.355	45.78	56.00	-10.22	33.43	46.00	-12.57	9	1.356	44.26	56.00	-11.74	25.41	46.00	-20.59
10	1.044	44.85	56.00	-11.14	26.54	46.00	-19.46	10	.151	53.85	55.95	-12.91	44.82	55.00	-11.18

#### Notes:

1. All Modes of operation were investigated and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are Specified in EN55022.
3. Line A = Phase; Line B = Neutral
4. Deviations to the Specifications: None.

PCTEST LAB TEST REPORT 15.407



#### FCC CERTIFICATION REPORT



Reviewed by:  
Quality Manager

Filename: 0604030221

Test Dates:  
May 9-23, 2006

EUT Type:  
802.11a/b/g WLAN Mini PCI Module

FCC ID:  
R5Y-EZWFWM06ER

Page 27 of 34

## EXHIBIT B – Labeling Requirements

### Sample Label & Location

#### New Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The sample label shown below shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the trade name, FCC ID, and the FCC logo must be displayed on the device per Section 15.19 (b)(2).



PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	FCC ID: R5Y-EZWF06ER	Page 28 of 34	

**EXHIBIT B – Labeling Requirements (Cont.)****Sample Label & Location**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename: 0604030221	Test Dates: May 9-23, 2006	EUT Type: 802.11a/b/g WLAN Mini PCI Module	eazix		FCC ID: R5Y-EZWFM06ER
					Page 29 of 34

**EXHIBIT C – Block Diagram/Schematics**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix	FCC ID:	
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module		R5Y-EZWFM06ER	Page 30 of 34

**EXHIBIT D – Operational Description**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix	FCC ID:	
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module		R5Y-EZWFM06ER	Page 31 of 34

**EXHIBIT E – Test Setup Photographs**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix	FCC ID:	
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module		R5Y-EZWFM06ER	Page 32 of 34

**EXHIBIT F – EUT External/ Internal Photographs**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix	FCC ID:	
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module		R5Y-EZWFM06ER	Page 33 of 34

**EXHIBIT G – User's Manual**

PCTEST LAB TEST REPORT 15.407		FCC CERTIFICATION REPORT			Reviewed by: Quality Manager
Filename:	Test Dates:	EUT Type:	eazix	FCC ID:	
0604030221	May 9-23, 2006	802.11a/b/g WLAN Mini PCI Module		R5Y-EZWFM06ER	Page 34 of 34