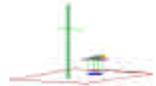


PCTEST ENGINEERING LABORATORY, INC.

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:

Panasonic Corporation of North America
One Panasonic Way, 4B-8
Secaucus, NJ 07094

DATE & LOCATION OF TESTING:

Date(s) of Tests: March 22-28, 2005
Test Report S/N: 0504190295
Test Site: PCTEST Lab, Columbia, MD
Project Number: ITPD-04-F124A

FCC ID: ACJ9TGCG-294A
APPLICANT: Panasonic Corporation of North America

SUMMARY:

Model No.: CF-29
Equipment EUT Type: Notebook PC w/ Intel WLAN and EVDO
Max. Output Power: 17.36 dBm (Peak) Conducted (Low Band)
20.96 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-63.4-2001

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-63.4-2001. If the EUT contains any additional embedded transmitters, then those transmitters were active during all tests. The JBC portion of this EUT is covered in the DOC report. Radiated data was taken with the highest gain antenna.

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.


Alfred Cirwitian
Vice President Engineering

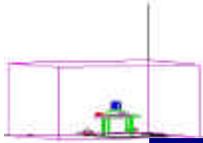


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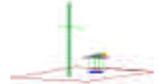
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Attestation Statements

| | | | | |
|----------------------------------|---|---|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 1 of 34 |



MEASUREMENT REPORT



FCC Part 15.407 Measurement Report Cover Page

A. General Information

APPLICANT Panasonic Corporation of North America
APPLICANT ADDRESS One Panasonic Way, 4B-8
 Secaucus, NJ 07094
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-63.4-2001
MODEL NAME CF-29
FCC ID ACJ9TGCF-294A
Test Device Serial No.: S/N: 4LKSA00006 Production Pre-Production Engineering
FCC CLASSIFICATION Unlicensed National Information Infrastructure (NII)
DATE(S) OF TEST March 22-28, 2005
TESTS REPORT S/N: 0504190295

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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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 C63.4-2001) and FCC Public Notice dated July 12, 1995 entitled "Guidance on Measurement for Direct Sequence Spread Spectrum System" were used in the measurement of **Notebook PC w/ WLAN (Intel Centrino Model: 2915ABG)**.

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 area, the Baltimore-Washington Intern't'l (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.

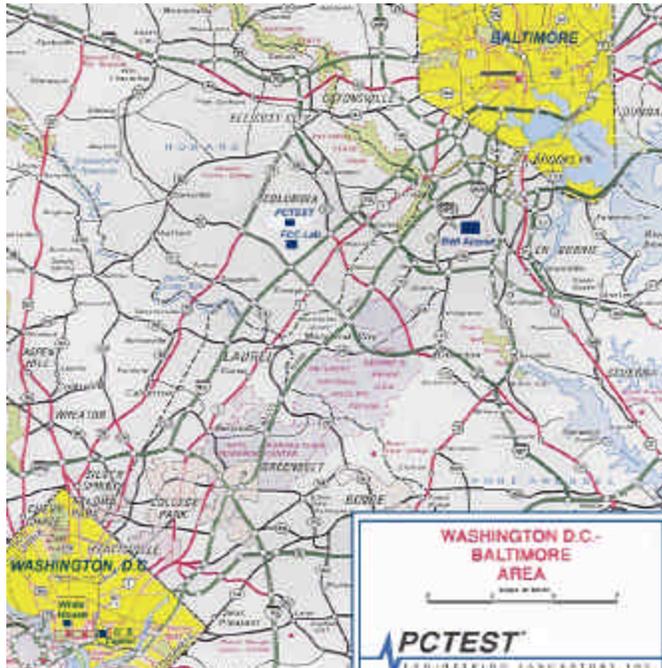


Figure 1.3-1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area

| | | | | |
|-------------------------------|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 3 of 34 |

2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Notebook PC w/ WLAN (Intel Centrino Model: 2915ABG)**. The EUT consisted of the following component(s):

Table 2-1. EUT Equipment Description

| Manufacturer / Model / Description | Serial Number |
|--|---------------|
| Panasonic CF-29 / Notebook PC w/ WLAN (Intel Centrino Model: 2915ABG) | 4LKSA00006 |

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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 4 of 34 |

3.0 DESCRIPTION OF TEST

3.1 Conducted Emissions

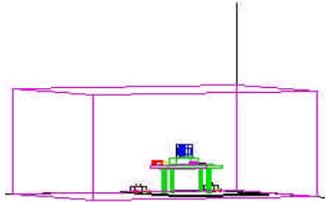


Figure 3.1-1. Shielded Enclosure Line-Conducted Test Facility

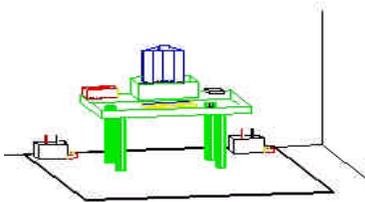


Figure 3.1-2. Line Conducted Emission Test Set-Up

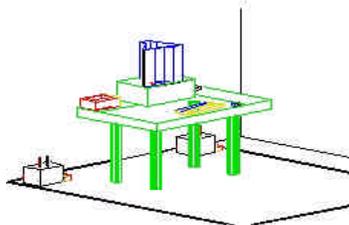


Figure 3.1-3. Wooden Table & Bonded LISNs

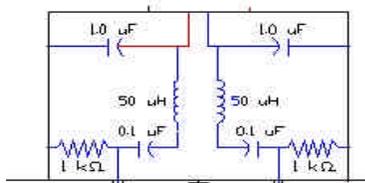


Figure 3.1-4. LISN Schematic Diagram

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 ½". 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 patter 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 |
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3.2 Radiated Emissions

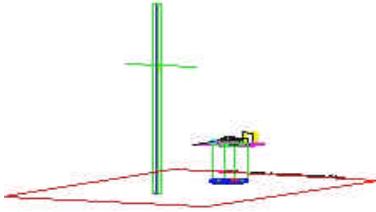


Figure 3.2-1. Meter Test Site

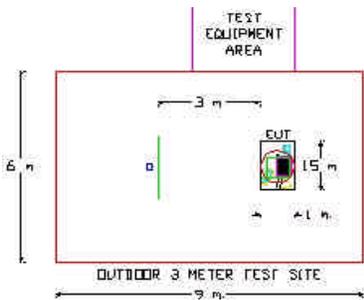


Figure 3.2-2. Dimensions of Outdoor Test Site

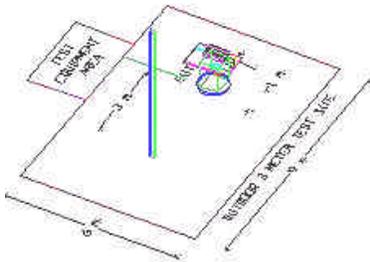


Figure 3.2-3. Turntable and System Setup

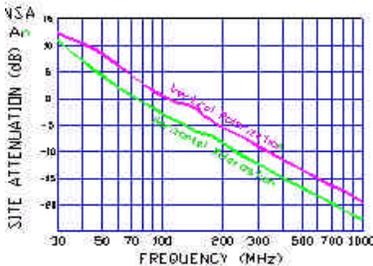


Figure 3.2-4. Normalized Site Attenuation Curves (H&V)

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 3meter 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 re-arranged 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 |
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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 are **permanently attached antenna**.

There are provisions for connection to an external antenna. Please refer to Panasonic's application cover letter for details.

Conclusion:

The **Panasonic CF-29** 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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) | 12/05/05 | Annual | 3638A08713 |
| Microwave Spectrum Analyzer | HP 8566 (100Hz-22GHz) | 04/17/05 | Annual | 2542A11898 |
| Spectrum Analyzer/Tracking Generator | HP 8591A (9kHz-1.8GHz) | 06/02/05 | Annual | 3144A02458 |
| Spectrum Analyzer | HP 8591A (9kHz-1.8GHz) | 10/15/05 | Annual | 3108A02053 |
| Spectrum Analyzer | HP 8594A (9kHz-2.9GHz) | 11/02/05 | Annual | 3051A00187 |
| Signal Generator | HP 8650B (500Hz-1GHz) | 06/02/05 | Annual | 2232A19558 |
| Signal Generator | HP 8640B (500Hz-1GHz) | 06/02/05 | Annual | 1851A09816 |
| Signal Generator | Rohde & Schwarz (0.1-1GHz) | 09/22/05 | Annual | 894215/012 |
| Ailtech/Eaton Receiver | NM 37/57A-SL (30MHz-1GHz) | 04/12/05 | Annual | 0792-03271 |
| Ailtech/Eaton Receiver | NM 37/57A (30MHz-1GHz) | 03/11/06 | Annual | 0805-03334 |
| Ailtech/Eaton Receiver | NM 17/27A (0.1-32MHz) | 09/17/05 | Annual | 0608-03241 |
| Quasi-Peak Adapter | HP 85650A | 08/09/05 | Annual | 2043A00301 |
| Ailtech/Eaton Adapter | CCA-7 CISPR/ANSI QP Adapter | 03/11/06 | 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 | 04/05/05 | 2 Years | 6K00001785 |
| Anritsu Wide Band Sensor | MA2491A | 04/05/05 | 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 | Holiday 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 | 12/31/2005 | Tri-annual | |

Table 5-1. Annual Test Equipment Calibration Schedule

| | | | | |
|-------------------------------|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 8 of 34 |

6.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Notebook PC w/ WLAN (Intel Centrino Model: 2915ABG)** is in compliance with Part 15E of the FCC Rules.

| | | | | |
|----------------------------------|---|---|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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 9 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 |
|---------------------------------|------------------|--|--|----------------------------------|
| TRANSMITTER MODE (TX) | | | | |
| 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 |
| RECEIVER MODE (RX) | | | | |
| 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) |
| RF EXPOSURE (SAR or MPE) | | | | |
| 2.1093/2.1091 | RSS-102 | SAR Test or MPE | 1.6 W/kg or mw/cm ² | 3 Channels |

Table A-1. Summary of Test Results

| | | | | |
|-------------------------------|---|--|---|------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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 = 300 kHz (10dB/div)
- VBW = 1.0 MHz
- Span = 30 MHz
- Sweep = 1.065 ms

| Frequency (MHz) | Channel No. | Test Results | |
|-----------------|-------------|----------------------|-----------|
| | | 26dB Bandwidth (MHz) | Pass/Fail |
| 5180 | 36 | 16.91 | Pass |
| 5260 | 52 | 16.91 | Pass |
| 5320 | 64 | 17.35 | Pass |

– See next pages for actual measured spectrum plots

Table A-2. Conducted Bandwidth Measurements

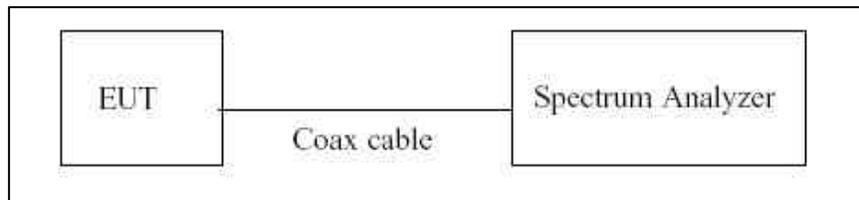
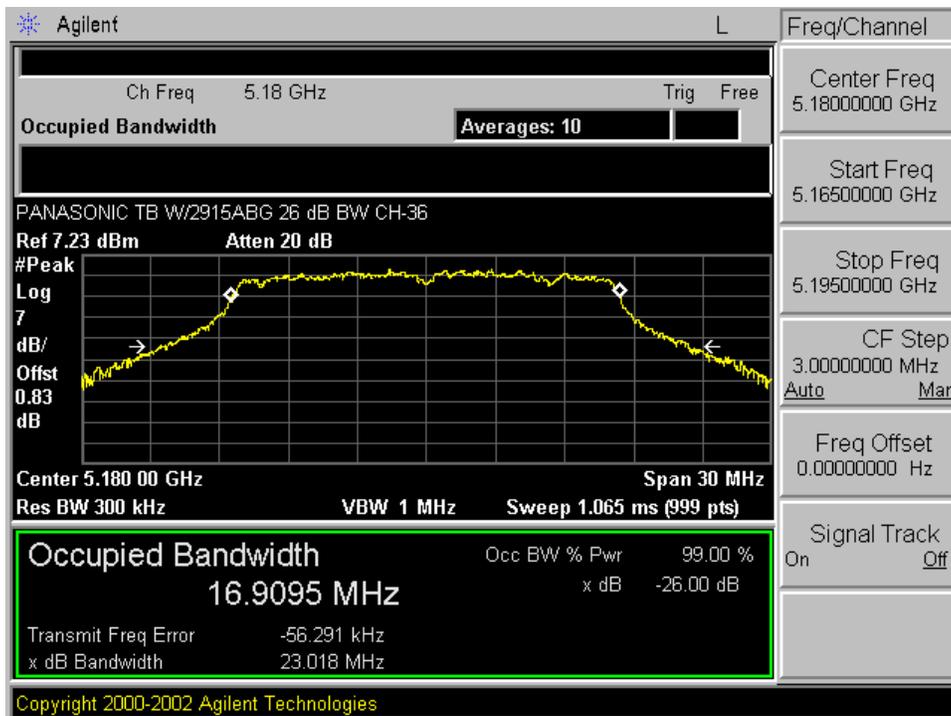
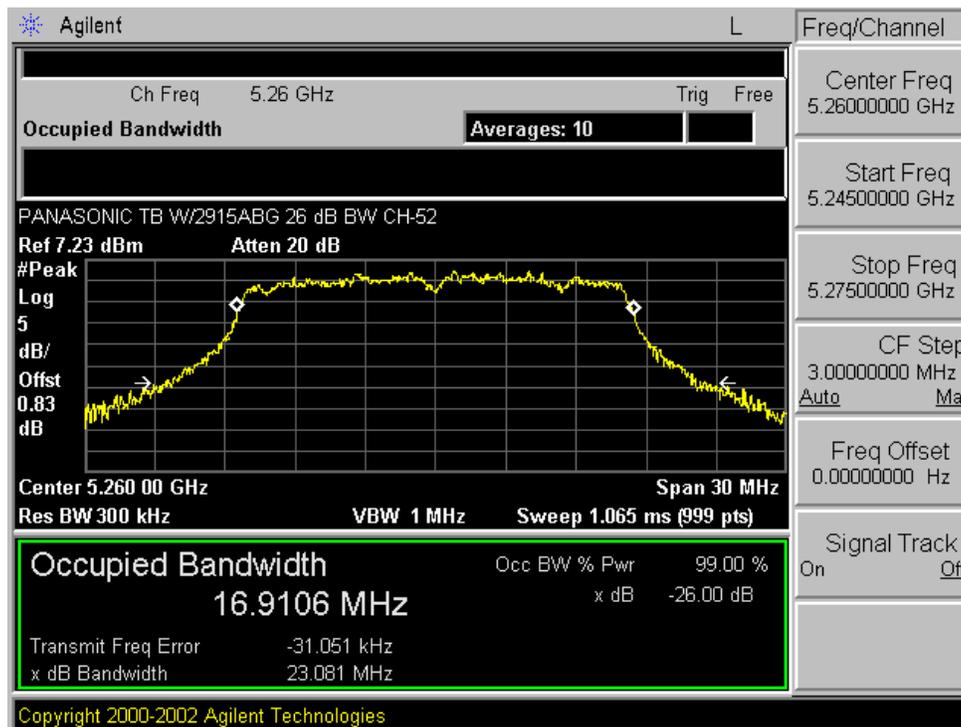


Figure A-1. Test Instrument & Measurement Setup

| | | | | |
|-------------------------------|---------------------------------|--|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 11 of 34 |

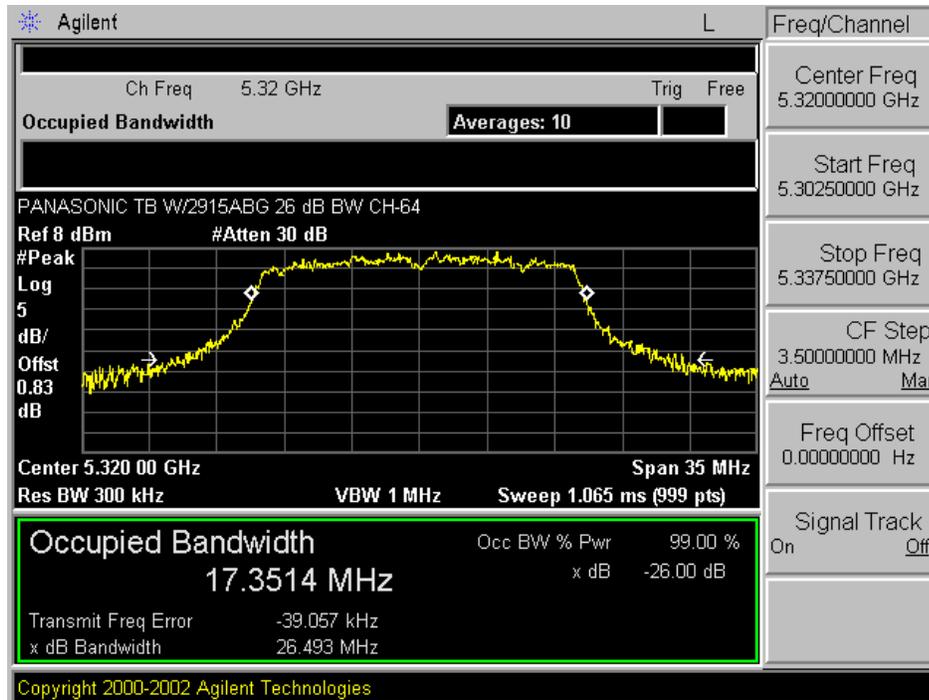


Plot A-1. 26dB Bandwidth Plot – Ch. 36



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

| | | | | |
|----------------------------------|---------------------------------|---|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: AC19TGCG-294A | Page 12 of 34 |



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

| | | | | |
|----------------------------------|---|---|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 13 of 34 |

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 – The transmitter peak output power shall not exceed 1 watt.

| Freq (MHz) | Chan | Rate (Mbps) | Measured Avg. Power (dBm) | Cable Loss (dB) | Average Power (dBm) | Peak Power (dBm) |
|------------|------|-------------|---------------------------|-----------------|---------------------|------------------|
| 5180 | 36 | 6 | 11.03 | 0.83 | 11.86 | 17.36 |
| | | 9 | 10.84 | 0.83 | 11.67 | 17.17 |
| | | 12 | 10.82 | 0.83 | 11.65 | 17.15 |
| | | 18 | 10.74 | 0.83 | 11.57 | 17.07 |
| | | 24 | 10.57 | 0.83 | 11.40 | 16.90 |
| | | 36 | 10.40 | 0.83 | 11.23 | 16.73 |
| | | 48 | 10.23 | 0.83 | 11.06 | 16.56 |
| | | 54 | 10.57 | 0.83 | 11.40 | 16.90 |
| 5210 | 42 | 6 | 10.05 | 0.83 | 10.88 | 16.18 |
| | | 9 | 9.78 | 0.83 | 10.61 | 15.91 |
| | | 12 | 9.50 | 0.83 | 10.33 | 15.63 |
| | | 18 | 9.84 | 0.83 | 10.67 | 15.97 |
| | | 24 | 9.46 | 0.83 | 10.29 | 15.59 |
| | | 36 | 9.67 | 0.83 | 10.50 | 15.80 |
| | | 48 | 9.48 | 0.83 | 10.31 | 15.61 |
| | | 54 | 9.88 | 0.83 | 10.71 | 16.01 |
| 5240 | 48 | 6 | 9.76 | 0.83 | 10.59 | 15.39 |
| | | 9 | 9.67 | 0.83 | 10.50 | 15.30 |
| | | 12 | 9.55 | 0.83 | 10.38 | 15.18 |
| | | 18 | 9.47 | 0.83 | 10.30 | 15.10 |
| | | 24 | 9.25 | 0.83 | 10.08 | 14.88 |
| | | 36 | 9.20 | 0.83 | 10.03 | 14.83 |
| | | 48 | 8.91 | 0.83 | 9.74 | 14.54 |
| | | 54 | 9.59 | 0.83 | 10.42 | 15.22 |

| | | | | |
|-------------------------------|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 14 of 34 |

| | | | | | | |
|------|----|----|-------|------|--------------|--------------|
| 5260 | 52 | 6 | 13.97 | 0.83 | 14.80 | 20.00 |
| | | 9 | 13.79 | 0.83 | 14.62 | 19.82 |
| | | 12 | 13.80 | 0.83 | 14.63 | 19.83 |
| | | 18 | 13.75 | 0.83 | 14.58 | 19.78 |
| | | 24 | 13.72 | 0.83 | 14.55 | 19.75 |
| | | 36 | 12.73 | 0.83 | 13.56 | 18.76 |
| | | 48 | 12.74 | 0.83 | 13.57 | 18.77 |
| | | 54 | 10.59 | 0.83 | 11.42 | 16.62 |
| 5280 | 56 | 6 | 14.02 | 0.83 | 14.85 | 19.65 |
| | | 9 | 14.45 | 0.83 | 15.28 | 20.08 |
| | | 12 | 14.40 | 0.83 | 15.23 | 20.03 |
| | | 18 | 14.32 | 0.83 | 15.15 | 19.95 |
| | | 24 | 14.27 | 0.83 | 15.10 | 19.90 |
| | | 36 | 13.30 | 0.83 | 14.13 | 18.93 |
| | | 48 | 13.16 | 0.83 | 13.99 | 18.79 |
| | | 54 | 11.02 | 0.83 | 11.85 | 16.65 |
| 5320 | 64 | 6 | 15.01 | 0.83 | 15.84 | 20.94 |
| | | 9 | 15.03 | 0.83 | 15.86 | 20.96 |
| | | 12 | 14.82 | 0.83 | 15.65 | 20.75 |
| | | 18 | 14.94 | 0.83 | 15.77 | 20.87 |
| | | 24 | 14.88 | 0.83 | 15.71 | 20.81 |
| | | 36 | 13.68 | 0.83 | 14.51 | 19.61 |
| | | 48 | 13.61 | 0.83 | 14.44 | 19.54 |
| | | 54 | 11.41 | 0.83 | 12.24 | 17.34 |

Table A-5. Conducted Output Power Measurements

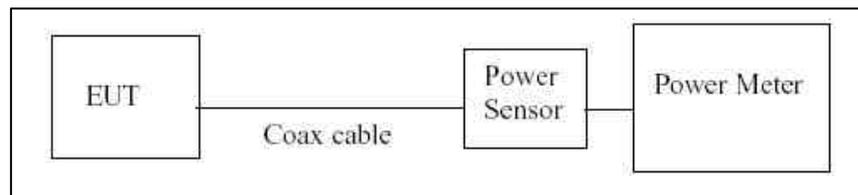


Figure A-4. Test Instrument & Measurement Setup

| | | | | |
|----------------------------------|---|---|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 15 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=8MHz, mode=Sample “on” for FCC (Measurement Method 2 from FCC Public Notice DA 02-2138) and “off” for Industry Canada.

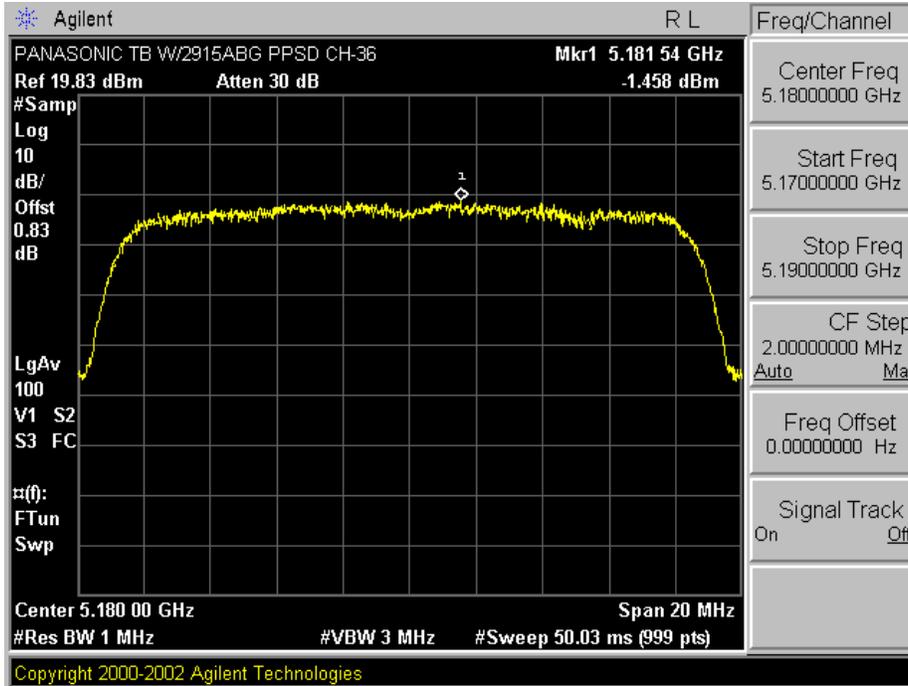
The spectrum analyzer is set to:

RBW 1 MHz (10dB/div)
 VBW 3 MHz
 Span 20 MHz
 Ref. Level 19.83 dBm
 Sweep 50.03 ms
 Detector Sampling with power averaging (100 sweeps)

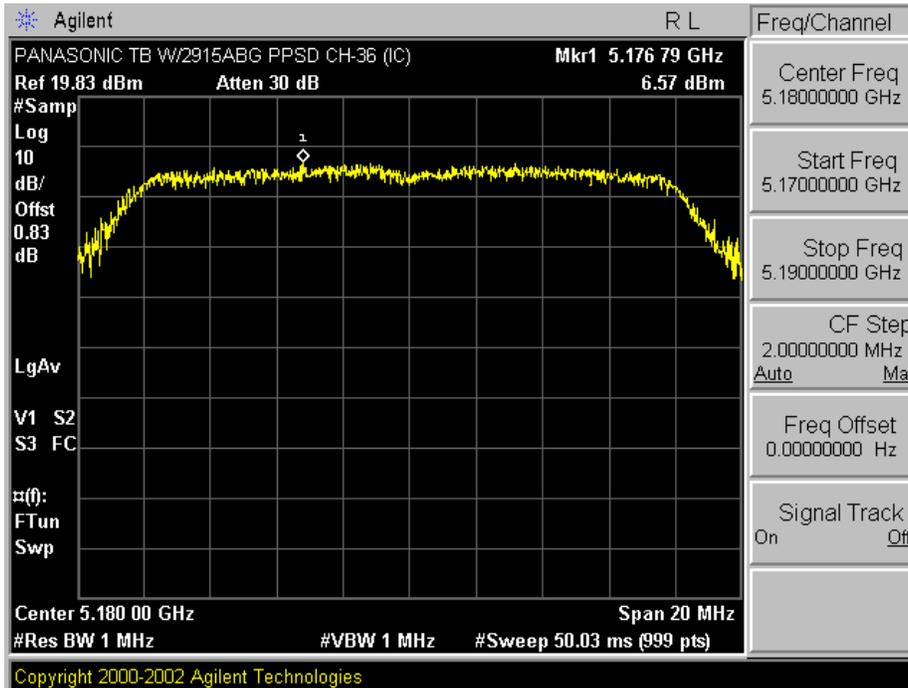
| Frequency (MHz) | Channel No. | Test Results | | |
|-----------------|-------------|---------------------|--------|-------------|
| | | Power Density (dBm) | Limit | Margin (dB) |
| 5180 | 36 | -1.458 | 4 dBm | -5.458 |
| 5260 | 52 | 0.807 | 11 dBm | -10.193 |
| 5320 | 64 | 2.347 | 11 dBm | -8.653 |

¹See next pages for actual measured spectrum plots

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

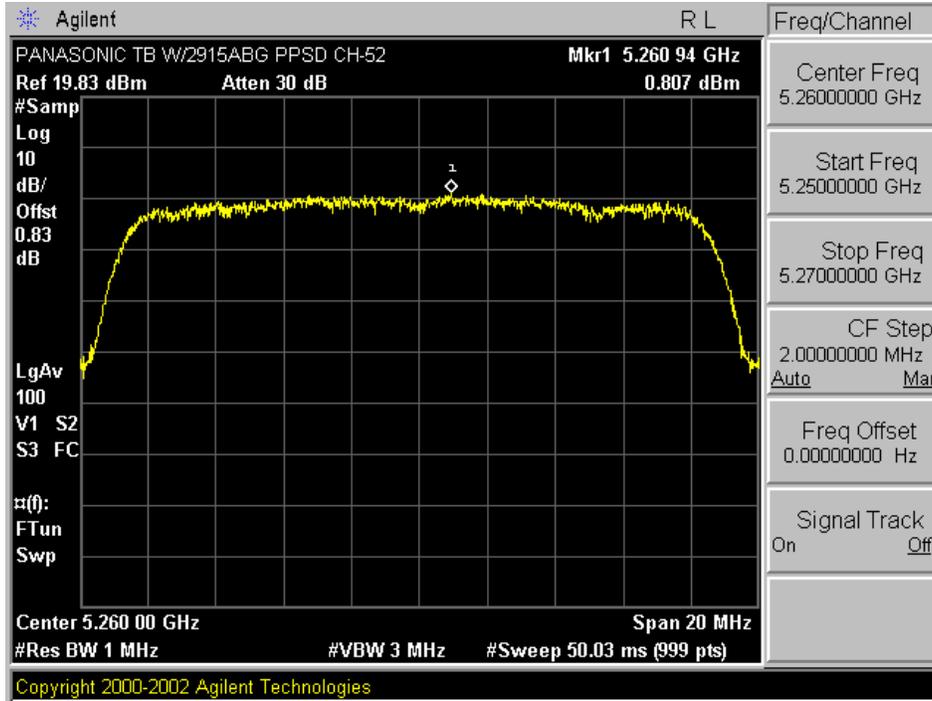


Plot A-7. Peak Power Spectral Density Plot – Low channel / Low Band



Plot A-8. Peak Power Spectral Density Plot – Low Channel / Low Band (IC)

| | | | | |
|----------------------------------|---------------------------------|---|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 17 of 34 |

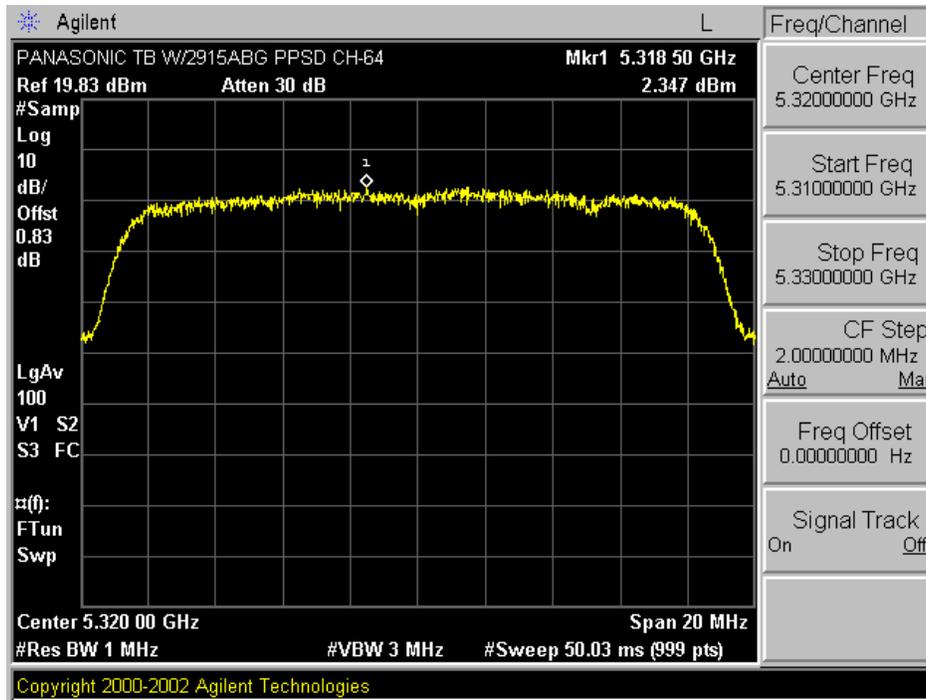


Plot A-8. Peak Power Spectral Density Plot – Mid Channel / Low Band



Plot A-9. Peak Power Spectral Density Plot – Mid Channel / Low Band (IC)

| | | | | |
|----------------------------------|---------------------------------|---|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACI9TGCG-294A | Page 18 of 34 |



Plot A-10. Peak Power Spectral Density Plot – High Channel / Low Band



Plot A-11. Peak Power Spectral Density Plot – High Channel / Low Band (IC)

| | | | | |
|----------------------------------|---|---|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACI9TGCG-294A | 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.

1st Trace:

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

2nd Trace:

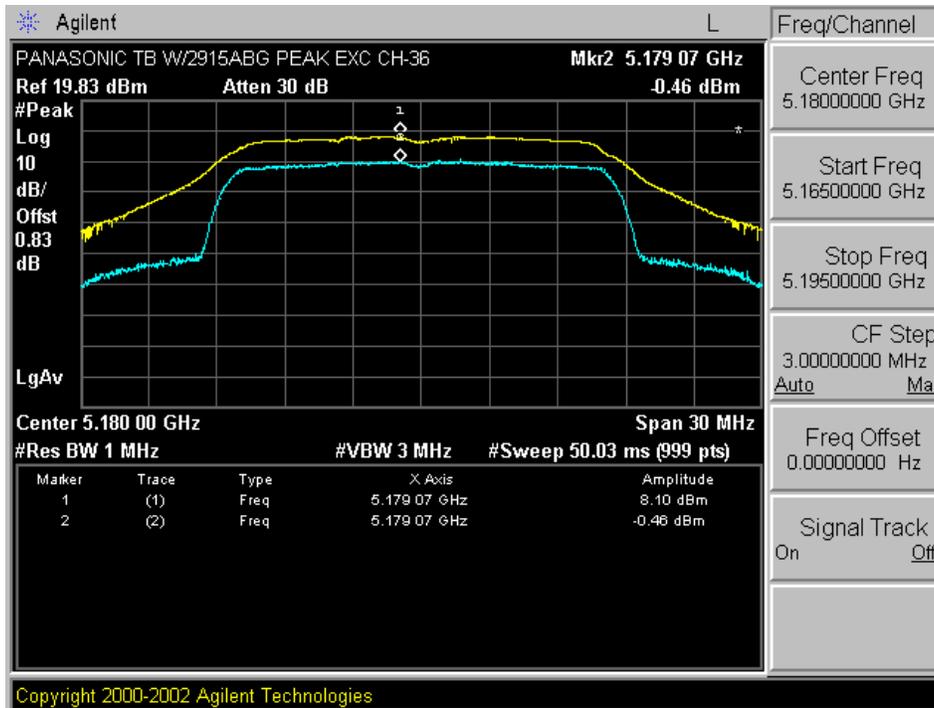
The spectrum analyzer was set to : RBW=1 MHz, VBW=30kHz, trigger=free run, mode=sample detector “on” (settings tend to present similar results compared to the power meter)

Largest difference between the traces is the peak excursion.

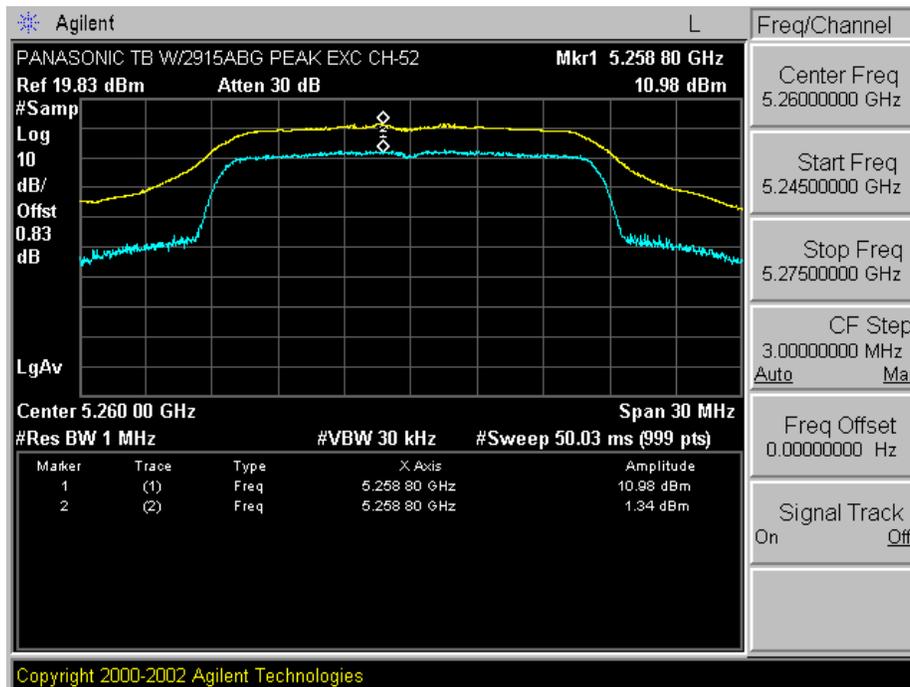
The spectrum analyzer is set to:

| Frequency (MHz) | Channel No. | Test Results | | |
|-----------------|-------------|----------------------|--------|-------------|
| | | Excursion Ratio (dB) | Limit | Margin (dB) |
| 5180 | 36 | 8.56 | 13 dBm | -3.06 |
| 5260 | 52 | 9.64 | 13 dBm | -1.57 |
| 5320 | 64 | 9.43 | 13 dBm | -2.25 |

See next pages for actual measured spectrum plots

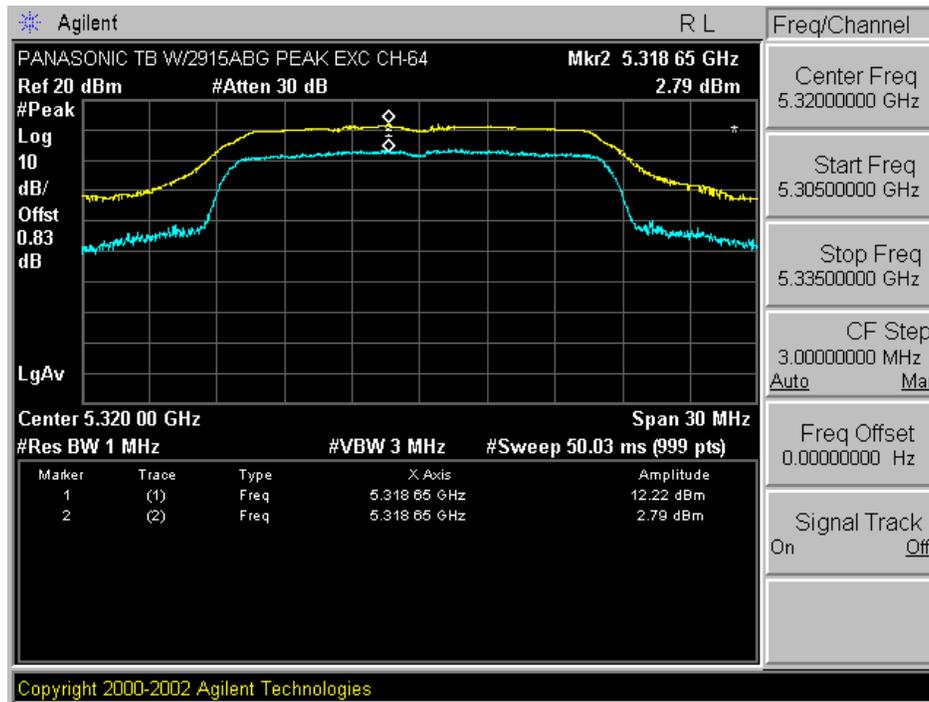


Plot A-15. Peak Excursion Ratio Plot – Ch. 36



Plot A-16. Peak Excursion Ratio Plot – Ch. 52

| | | | | |
|----------------------------------|---------------------------------|---|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACI9TGCG-294A | Page 21 of 34 |



Plot A-17. Peak Excursion Ratio Plot – Ch. 64

| | | | | |
|----------------------------------|---------------------------------|---|--------------------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: AC19TGCG-294A | 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, VBW= 10Hz, 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 – 50GHz) |
| 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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: | 36 Mbps |
| Distance of Measurements: | 3 Meters |
| Channel: | 36 |

| Frequency (MHz) | Level (dBm) | AFCL (dB) | POL (H/V) | F/S (dBuV/m) | F/S (uV/m) | Margin (dB) |
|-----------------|-------------|-----------|-----------|--------------|------------|-------------|
| 10360 | -128.5 | 52.8 | V | 31.30 | 36.73 | -22.7 |
| 15540 | -131.4 | 62.3 | V | 37.90 | 78.52 | -16.1 |
| 20720 | -135 | 66 | V | 38.00 | 79.43 | -16 |
| 25900 | -140 | 69 | V | 36.00 | 63.10 | -18 |

Table A-7. Radiated Measurements @ 3 meters

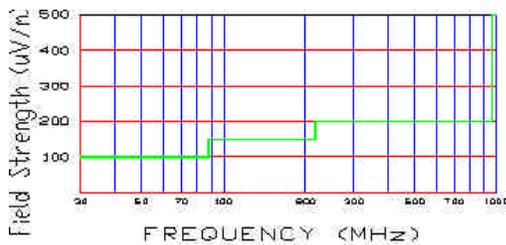


Figure A-5. Radiated limits at 3 meters.

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 10th 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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: | 36 Mbps |
| Distance of Measurements: | 3 Meters |
| Channel: | 52 |

| Frequency (MHz) | Level (dBm) | AFCL (dB) | POL (H/V) | F/S (dBuV/m) | F/S (uV/m) | Margin (dB) |
|-----------------|-------------|-----------|-----------|--------------|------------|-------------|
| 10520 | -126.3 | 52.9 | V | 33.6 | 47.86 | -20.4 |
| 15780 | -131.2 | 62.5 | V | 38.3 | 82.22 | -15.7 |
| 21040 | -136.9 | 66.4 | V | 36.5 | 66.83 | -17.5 |
| 26300 | -140.0 | 69.4 | V | 36.4 | 66.07 | -17.6 |

Table A-8. Radiated Measurements @ 3 meters

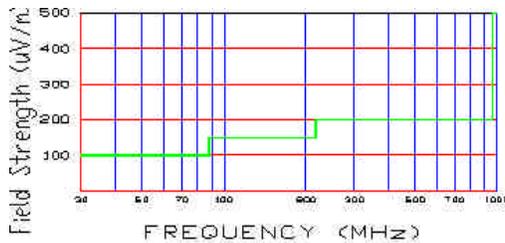


Figure A-6. Radiated limits at 3 meters.

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 10th 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | 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: | 36 Mbps |
| Distance of Measurements: | 3 Meters |
| Channel: | 64 |

| Frequency (MHz) | Level (dBm) | AFCL (dB) | POL (H/V) | F/S (dBuV/m) | F/S (uV/m) | Margin (dB) |
|-----------------|-------------|-----------|-----------|--------------|------------|-------------|
| 10640 | -127.5 | 53.0 | V | 32.5 | 42.17 | -21.5 |
| 15960 | -132.5 | 63.7 | V | 38.2 | 81.28 | -15.8 |
| 21280 | -136.5 | 66.9 | V | 37.4 | 74.13 | -16.6 |
| 26600 | -140 | 69.9 | V | 36.9 | 69.98 | -17.1 |

Table A-9. Radiated Measurements @ 3 meters

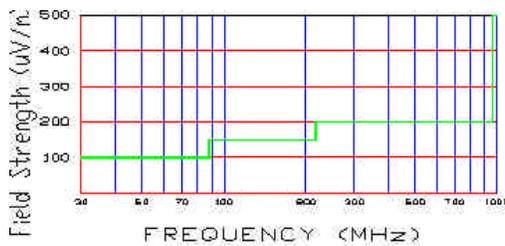


Figure A-7. Radiated limits at 3 meters.

NOTES:

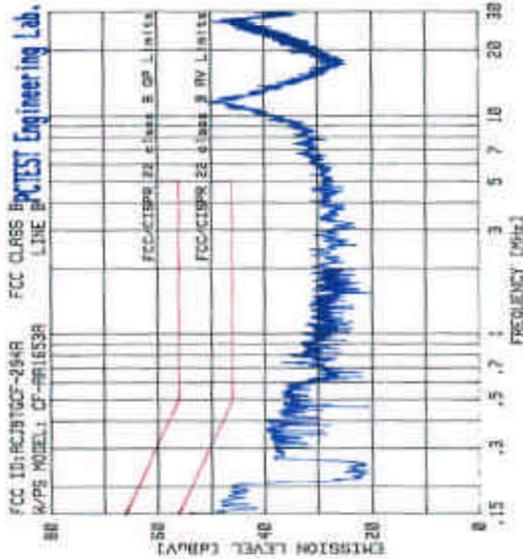
1. The limit listed in Section 15.407(b) is -27 dBm/MHz EIRP. This is equivalent to a field strength of 68.24 dBuV/m @ 3m.
2. The Restricted Band limit (Section 15.205) for frequencies above 960 MHz is 54 dBuV/m @ 3m.
3. Average Measurements > 1GHz using RBW = 1 MHz,
VBW = 10 Hz
4. The peak emissions 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 10th 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 26 of 34 |

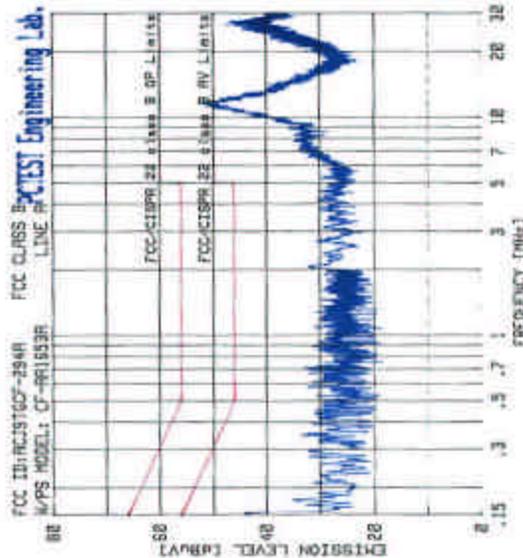
EXHIBIT A – Test Results (Cont.)

Line-Conducted Test Data

S15.207



| No. | Freq. [MHz] | Quasi-Pk [dBuV] | Limit [dBuV] | Margin [dB] | Average [dBuV] | Limit [dBuV] | Margin [dB] |
|-----|-------------|-----------------|--------------|-------------|----------------|--------------|-------------|
| 1 | 11.521 | 44.16 | 60.00 | -15.84 | 33.61 | 50.00 | -16.39 |
| 2 | 25.975 | 39.14 | 60.00 | -20.86 | 29.89 | 50.00 | -20.11 |
| 3 | 26.771 | 36.97 | 60.00 | -23.03 | 28.94 | 50.00 | -21.06 |
| 4 | 12.825 | 41.41 | 60.00 | -18.59 | 31.11 | 50.00 | -18.89 |
| 5 | 15.150 | 46.75 | 60.00 | -13.25 | 27.11 | 50.00 | -22.89 |
| 6 | 27.273 | 36.77 | 60.00 | -23.23 | 29.76 | 50.00 | -20.22 |
| 7 | 27.180 | 36.93 | 60.00 | -23.07 | 30.16 | 50.00 | -19.84 |
| 8 | 27.984 | 38.54 | 60.00 | -21.46 | 28.28 | 50.00 | -21.72 |
| 9 | 26.575 | 38.52 | 60.00 | -21.48 | 28.28 | 50.00 | -21.72 |
| 10 | 26.575 | 38.24 | 60.00 | -21.76 | 28.96 | 50.00 | -21.04 |



| No. | Freq. [MHz] | Quasi-Pk [dBuV] | Limit [dBuV] | Margin [dB] | Average [dBuV] | Limit [dBuV] | Margin [dB] |
|-----|-------------|-----------------|--------------|-------------|----------------|--------------|-------------|
| 1 | 11.537 | 43.81 | 60.00 | -16.19 | 32.82 | 50.00 | -17.18 |
| 2 | 11.198 | 41.75 | 60.00 | -18.25 | 31.74 | 50.00 | -18.26 |
| 3 | 26.594 | 34.34 | 60.00 | -25.66 | 24.82 | 50.00 | -25.18 |
| 4 | 27.525 | 34.58 | 60.00 | -25.42 | 26.43 | 50.00 | -23.57 |
| 5 | 18.750 | 39.33 | 60.00 | -20.67 | 29.30 | 50.00 | -20.70 |
| 6 | 27.423 | 34.57 | 60.00 | -25.43 | 26.45 | 50.00 | -23.55 |
| 7 | 27.238 | 34.33 | 60.00 | -25.67 | 26.38 | 50.00 | -23.62 |
| 8 | 26.249 | 32.93 | 60.00 | -27.07 | 24.84 | 50.00 | -25.16 |
| 9 | 26.817 | 33.48 | 60.00 | -26.52 | 24.68 | 50.00 | -25.32 |
| 10 | 27.027 | 33.98 | 60.00 | -26.02 | 25.41 | 50.00 | -24.59 |

Notes:

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

| | | | | | |
|-------------------------------|---------------------------------|--|-------------------------|---------------|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 | | FCC CERTIFICATION REPORT | | | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACI9TGC-294A | Page 27 of 34 | |

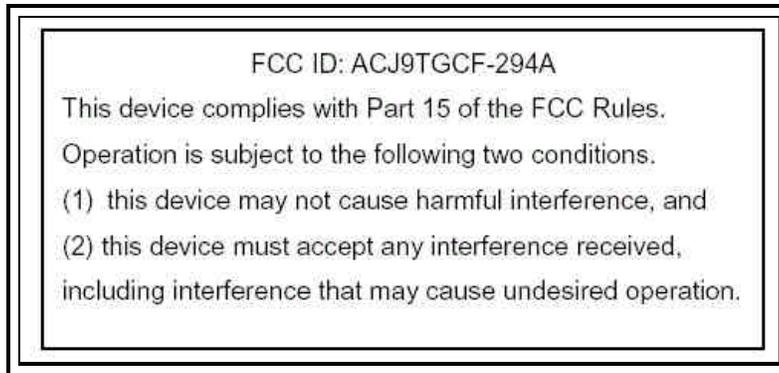
EXHIBIT B – Labeling Requirements

Sample Label & Location

New Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

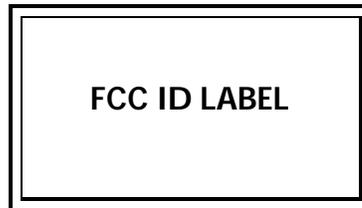
The sample label shown below shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement 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: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 28 of 34 |

EXHIBIT B – Labeling Requirements (Cont.)

Sample Label & Location



FCC DoC

FCC ID LABEL

| | | | | |
|--|---|---|---|---|
| <p>PCTEST LAB TEST REPORT 15.407</p> |  | <p>FCC CERTIFICATION REPORT</p> |  | <p>Reviewed by: Quality Manager</p> |
| <p>Filename: 0504190295</p> | <p>Test Dates: Mar. 22-28, 2005</p> | <p>EUT Type: Notebook PC w/ Intel WLAN and EVDO</p> | <p>FCC ID: ACJ9TGCG-294A</p> | <p>Page 29 of 34</p> |

EXHIBIT C – Block Diagram/Schematics

| | | | | |
|--|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 30 of 34 |

EXHIBIT D – Operational Description

| | | | | |
|--|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 31 of 34 |

EXHIBIT E – Test Setup Photographs

| | | | | |
|--|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 32 of 34 |

EXHIBIT F – EUT External/ Internal Photographs

| | | | | |
|--|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 33 of 34 |

EXHIBIT G – User’s Manual

| | | | | |
|--|---|--|---|---------------------------------|
| PCTEST LAB TEST REPORT 15.407 |  | FCC CERTIFICATION REPORT |  | Reviewed by: Quality Manager |
| Filename: 0504190295 | Test Dates: Mar. 22-28, 2005 | EUT Type: Notebook PC w/ Intel WLAN and EVDO | FCC ID: ACJ9TGCG-294A | Page 34 of 34 |