*Accredited Since 1993*

# QUALIFICATION TEST REPORT

CRITERION TECHNOLOGY

*1350 County Road 16*
*P.O. Box 489*
*Rollinsville, CO 80474*
*(303) 258-0100 voice*
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*www.criteriontech.com*

## EMISSIONS -FCC Part 15

Test Report Number: 000912 123 Date of Issue: 11-9-00

Model No: World Wireless
902-928 MHz Transceiver
Date of Test Article Receipt: 09-19-00 to 09-22-00

Type of product: Information Technology Equipment

Manufacturer: Len Gordon

Address: 7215 Bermuda Road

Las Vegas, Nevada 89119

Test Results: [ X ] Complies [ ] Does Not Comply

Michael E. Mussler

_____Lab Director
(NVLAP Signatory)

William Stahre

_____Compliance Engineer

Accredited by NIST NVLAP for FCC Part 15

Disclaimers:

This report is the confidential property of the client. For the protection of our clients and ourselves, extracts from this test report cannot be produced without prior written approval from Criterion Technology. Reproduction of the complete report can be performed at the client's discretion.

The client is aware that Criterion Technology has performed testing in accordance with the applicable standard(s). Test data is accurate within ANSI parameters for Emissions testing, unless a specific level of accuracy has been defined in writing prior to testing, by Criterion Technology and the client.

Criterion Technology reports apply only to the specific Equipment Under Test (EUT) sample(s) tested under the test conditions described in this report. If the manufacturer intends to use this report as a document demonstrating compliance of this model, additional models of this product must have electrical and mechanical characteristics identical to the device tested for this report. Criterion Technology shall have no liability for any deductions, inferences, or generalizations drawn by the client or others from Criterion Technology issued reports.

Total liability is limited to the amount invoiced for the testing of this EUT and the contents of this report are not warranted.

Compliance with the appropriate governmental standards is the responsibility of the manufacturer.
Any questions regarding this report should be directed to:

Laboratory Director
Criterion Technology Corp.
P.O. Box 489
1350 County Road 16
Rollinsville, Colorado 80474
Phone: 1-303-258-0100
Fax:1-303-258-0775
E-mail: laboratory_director@criteriontech.com

**NVLAP Note:** Criterion Technology is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the specific scope of accreditation under Lab Code 100396-0. Test methods included in Lab Code 100396-0 are:

1. 12/CIS22 - IEC/CISPR22:1993
2. 12/CIS22a - IEC/CISPR22:1993, Amendment 1:1995 & Amendment 2:1996
3. 12/CIS22b - CNS13438:1997
4. 12/F01 - FCC Method - 47 Part 15 - Digital Devices
5. 12/F01a - Conducted Emissions, Power Lines, 450 kHz to 30 MHz
6. 12/F01b - Radiated Emissions
7. 12/T51 - AS/NZS 3548

The NVLAP Logo on the front cover of this report applies only to data taken for the above test methods.

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All Criterion Technology instrumentation and accessories used to test products for compliance to the indicated standards are calibrated regularly in accordance with ISO 9001, ISO Guide 25, ANSI/NCSL Z540-I-1994 and are traceable to national standards.

# Table of Contents

# Section 1 Executive Summary

The test article was in compliance with all the test standards listed below.

| | |
|---|---|
| **FCC Part 15 Subpart A** | |
| **FCC Part 15 Subpart B** | **Conducted Emissions** |
| **FCC Part 15 Subpart B** | **Radiated Emissions** |
| **FCC Part 15 Subpart C** | **Intentional Radiators** |

All test methods were performed in accordance with the standards listed above.

## Section 2 Emissions Test Standards

The emissions tests were performed according to following standards:

| | | |
|---|---|---|
| FCC Part 15, Subpart B | [ ] Class A | [X] Class B |
| FCC Part 15, Subpart C | | |

## Part 2.1 FCC Part 15 Subpart B - Conducted Emissions

**Measurement of *conducted emissions* was performed as indicated below:**

**Environmental conditions of the lab:**

Date of Test: 9-22-00

Temperature: 70 °F

Rel. Humidity: 41%

Test Voltage: 220 V, 60 Hz

**Test location:**
[ ] Criterion Technology Open Area Test Site
[X] Criterion Shield Room
[ ] In Situ

**Test instruments:** (see Section 6 for calibration information)
[X] Hewlett-Packard Spectrum Analyzer, Model 8566B
[ ] Hewlett-Packard Quasi Peak Adapter, Model 85650A
[X] Rohde and Schwarz Receiver, Model ESHS-30
[ ] Rohde and Schwarz Receiver, Model ESVS-30
[X] Rohde and Schwarz LISN, Model ESH2-Z5

**Test accessories:**

**Test Results of Conducted Emission: 450 kHz - 30 MHz**

**Test Status:** [ X ] PASS [ ] FAIL

**Minimum margin to limit:** 13.6 dB at 0.520 MHz

**Exceeded limit by:** ____ dB at _____ MHz

**Remarks:** Reference Section 4 for data sheets

## Part 2.2 FCC Part 15 Subpart B - Radiated Emissions

**Measurement of *radiated emissions* (*electric field*) in the frequency range of 30 MHz-1000 MHz were tested in a horizontal and vertical polarization as indicated below:**

**Environmental conditions of the lab:**

Date of Test: 9-19-00

Temperature: 70 °F

Rel. Humidity: 32%

Test Voltage: 220 V, 60 Hz

**Test location:**
[X] Criterion Technology Open Area Test Site
[ ] Pre-Scan In Semi-Anechoic Chamber
[ ] In Situ

**Test distance:** (antenna to EUT)

| | | |
|---|---|---|
| [ ]1 meter | [ ]Preliminary Measurement | [ ]Final Measurement |
| [ ]3 meters | [ ]Preliminary Measurement | [ ]Final Measurement |
| [X]10 meters | [X]Preliminary Measurement | [X]Final Measurement |
| [ ]30 meters | [ ]Preliminary Measurement | [ ]Final Measurement |

**Test instruments:** (see Section 6 for calibration information)
[X] Hewlett-Packard Spectrum Analyzer, Model 8566B
[X] Hewlett-Packard Quasi Peak Adapter, Model 85650A
[ ] Hewlett-Packard Tracking Generator, Model 85645A
[ ] Rohde and Schwarz Receiver, Model ESHS-30
[X] Rohde and Schwarz Receiver, Model ESVS-30
[ ] EMCO BiConnical Antenna, Model 3108
[ ] EMCO Log Periodic Antenna, Model 3146
[X] Chase BiLog Antenna, Model 1121
[X] Mini Circuits Pre-Amp #2
[ ] Veratech Pre-Amp #3
[ ] Antenna Research Assoc. Horn Antenna, Model DRG118/A

**Test accessories:**

**Test Results of Radiated Emissions: 30 MHz - 1000 MHz**

**Test Status:** [ X ] PASS [ ] FAIL

**Minimum margin to limit:** 14.49 dB at 36.0007 MHz

**Exceeded limit by:** _____ dB at _____ MHz

**Remarks:** Reference Section 4 for Data Sheets
The EUT was modified as follows to meet the emissions specification levels:

Transmit Antenna trimmed to a length of 40mm.
Receive Antenna trimmed to a length of 36mm.

## Part 2.3 FCC Part 15 Subpart C –Intentional Radiated Fields

**Measurement of *radiated emissions* (*electric field*) in the frequency range of 30 MHz-10,000 MHz were tested in a horizontal and vertical polarization as indicated below:**

**Environmental conditions of the lab:**

Date of Test: 9-19-00

Temperature: 70°F

Rel. Humidity: 32 %

Test Voltage: 120 V, 60 Hz

**Test location:**
[X] Criterion Technology Open Area Test Site
[ ] Pre-Scan In Semi-Anechoic Chamber
[ ] In Situ

**Test distance:** (antenna to EUT)

| | | |
|---|---|---|
| [ ]1 meter | [ ]Preliminary Measurement | [ ]Final Measurement |
| [X]3 meters | [X]Preliminary Measurement | [X]Final Measurement |
| [X]10 meters | [X]Preliminary Measurement | [X]Final Measurement |
| [ ]30 meters | [ ]Preliminary Measurement | [ ]Final Measurement |

**Test instruments:** (see Section 7 for calibration information)
[X] Hewlett-Packard Spectrum Analyzer, Model 8566B
[X] Hewlett-Packard Quasi Peak Adapter, Model 85650A
[ ] Hewlett-Packard Tracking Generator, Model 85645A
[ ] Rohde and Schwarz Receiver, Model, ESHS-30
[X] Rohde and Schwarz Receiver, Model ESVS-30
[X] Chase BiLog Antenna, Model 1121
[ ] Antenna Research, Model 1181A (sn: 1056)
[X] Amp3 and High Freq. Cable Set
[X] Mini Circuits Pre-Amp, Amp 2
[ ] EMCO Loop Antenna, Model 6502

**Test accessories:**

**Test Results of Radiated Emissions: 30 MHz - 10,000 MHz**

**Test Status:** [X] PASS [ ] FAIL

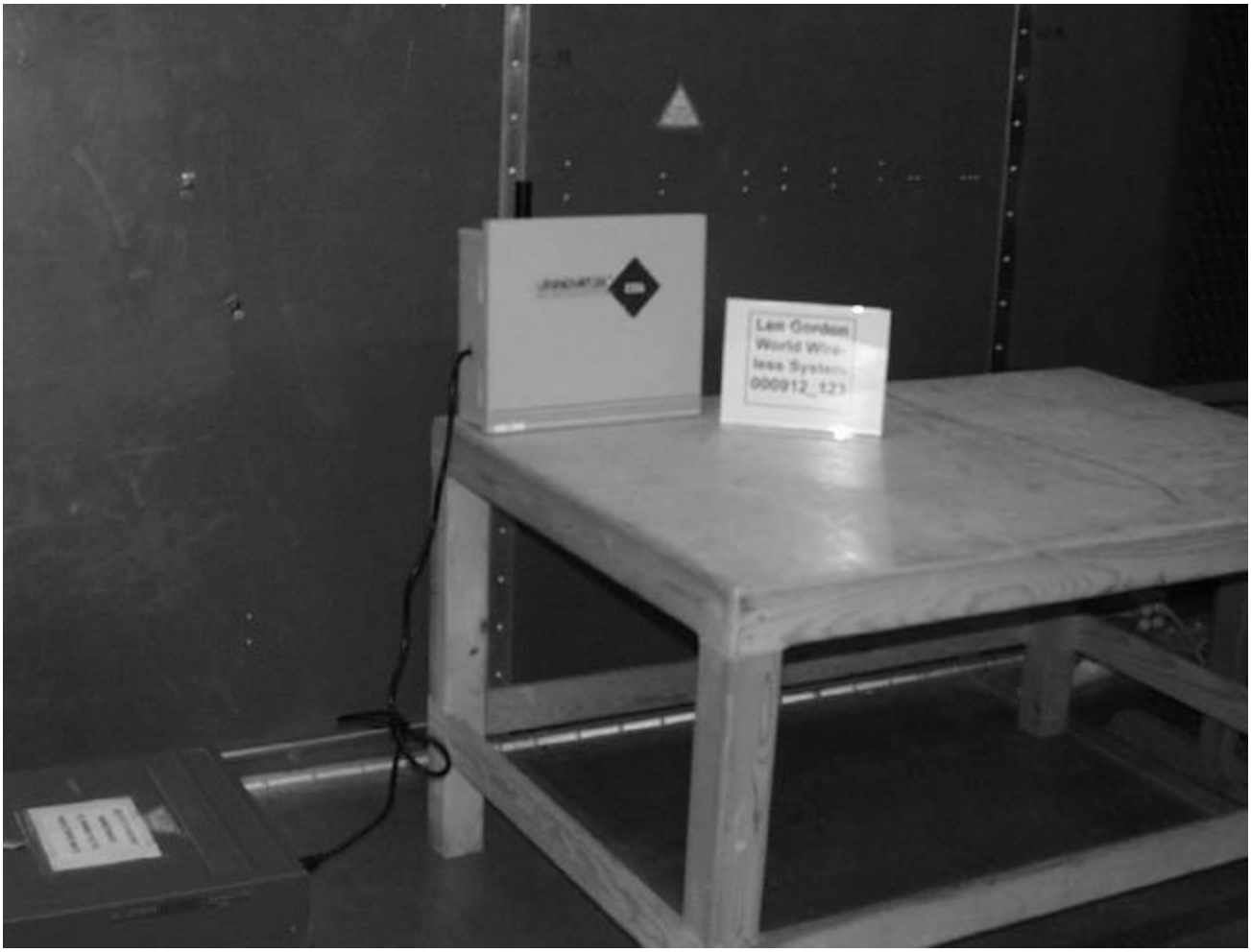
**Minimum margin to limit:** 2.87 dB at 916.5534 MHz

**Exceeded limit by:** ____ dB at ____ MHz

**Remarks:** Reference Section 4 for Data Sheets

# Section 3 Test Setup Photographs

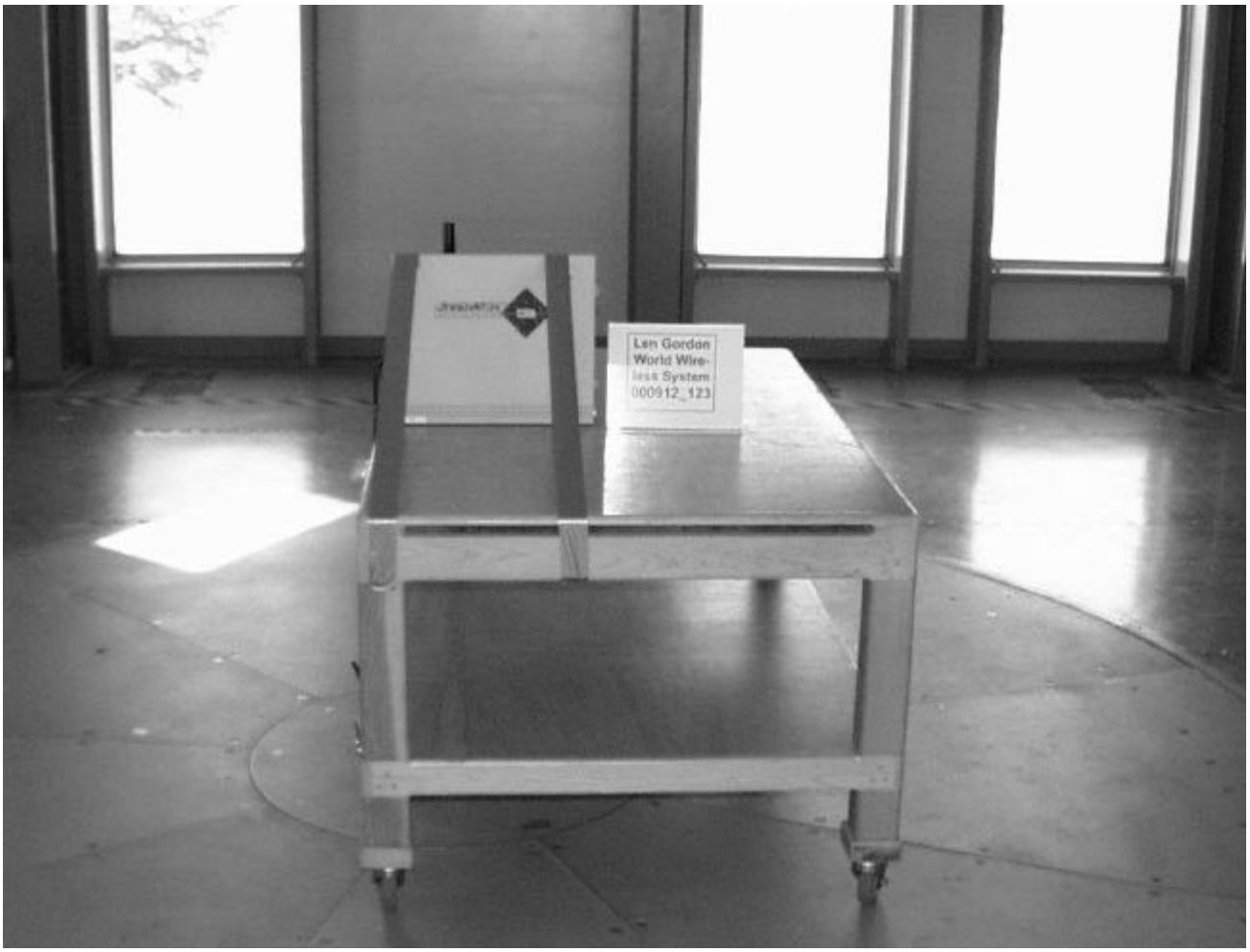
## Part 3.1 Conducted Emissions Setup - Front View



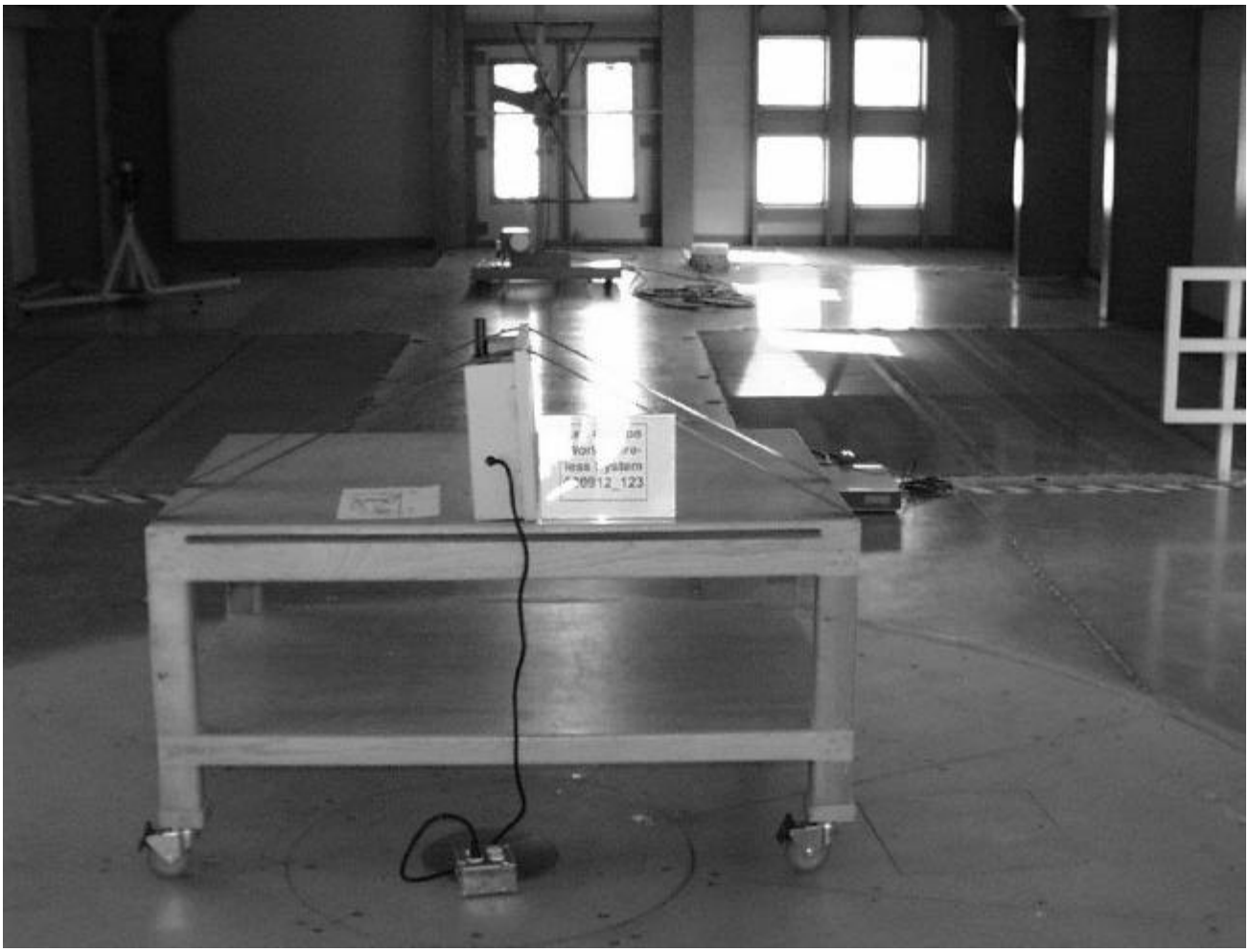
## Part 3.2 Conducted Emissions Setup - Side View

## Part 3.3 Radiated Emissions Setup - Front View

## Part 3.4 Radiated Emissions Setup - Side View



## Part 3.5 Radiated Emissions Setup - Rear View



## Section 4 Original Test Data / Plots

Conducted Emissions
Radiated Emissions

## Part 4.1 FCC Conducted Emissions Plot

Criterion Shielded Chamber 26. Sep 00 10:55
ESHS30 Receiver, ESH2-Z5 LISN

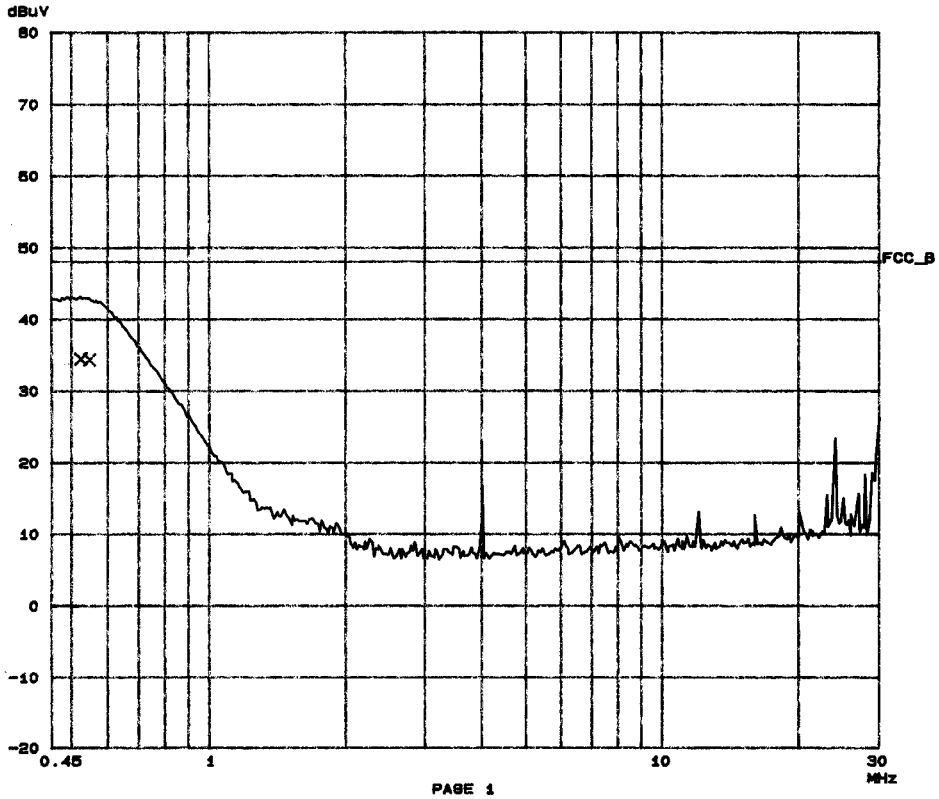
EUT: World Wireless Lennovator, SN PreProd
Manuf: Len Gordon
Op Cond: Continuous XMT, Normal Operation
Operator: MEM per 000912_123
Test Spec: FCC 15.249 Class B per ANSI C63.4
Comment: 220V 60Hz, Line 1 on Prescan, Line 1 and Neutral on Final
EUT Located on Tabletop in Normal Orientation

Scan Settings (1 Range)

| Frequencies | | | Receiver Settings | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start | Stop | Step | IF BW | Detector | M-Time | Atten | Preamp | OpRge |
| 450k | 30M | 5k | 10k | PK | 100ms | AUTO | LN OFF | 60dB |

Final Measurement: x QP
Meas Time: 1 s
Subranges: 25
Acc Margin: 6dB

| Transducer | No. | Start | Stop | Name |
|---|---|---|---|---|
| 1 | 1 | 10k | 30M | SR_w3dB |
| | 6 | 9k | 30M | LISN |



## Part 4.2 FCC Conducted Emissions Table

Criterion Shielded Chamber 26. Sep 00 10:55
ESHS30 Receiver, ESH2-Z5 LISN

EUT: World Wireless Lennovator, SN PreProd
Manuf: Len Gordon
Op Cond: Continuous XMT, Normal Operation
Operator: MEM per 000912_123
Test Spec: FCC 15.249 Class B per ANSI C63.4
Comment: 220V 60Hz, Line 1 on Prescan, Line 1 and Neutral on Final
EUT Located on Tabletop in Normal Orientation

Scan Settings (1 Range)

| Frequencies | | | Receiver Settings | | | | | |
|---|---|---|---|---|---|---|---|---|
| Start | Stop | Step | IF BW | Detector | M-Time | Atten | Preamp | OpRge |
| 450k | 30M | 5k | 10k | PK | 100ms | AUTO | LN OFF | 60dB |

Final Measurement Results:

Indicated Phase/PE shows Configuration of max. Emission

| Frequency MHz | QP Level dBuV | QP Limit dBuV | Phase - | PE - |
|---|---|---|---|---|
| 0.52000 | 34.4 | 48.0 | L1 | gnd |
| 0.54500 | 34.3 | 48.0 | L1 | gnd |

* limit exceeded

## Part 4.3 Radiated Emissions Data, 30 MHz to 1000 MHz

Notes:

The third column below contains alpha characters which pertain to the type of measurements made. The following are the definitions for those characters: q = Quasi Peak, m = Maximized (cable, rotation and antenna height), s = scanned but no data taken, and a = average. For the first character in column four, a '-' indicates that value is below the limit while an '*' indicates that value is above the limit

If the list is sorted using "I-sort", then quasi-peak and average levels are weighted higher than peak levels and are moved to the front of the scan list.

The following keys help to better understand the data:

TT: Turntable position in degrees

Hght: Height of antenna in centimeters

Az: Azimuth, V = Vertical, H= Horizontal

Criterion Technology Tue Sep 26 15:29:50 2000
EUT: Len Gordon Model: Leenovator, Serial: Pre-porduction
Manufacturer: Len Gordon Co.
Tester: WS Special ID: 000912_123
EUT Level: Pre-production with transmit and receive antennas trimmed
EUT Information: EUT Oriented vertically on tabletop
Test information: Normal Operation, 10m, 220 V 60 Hz, FCC 15.249 Class B

**Table 1: Scan List, sorted by margin to limit FCCB10, -20.0dB filter**

| Freq, MHz | Value | Sts | FCCB10 | TT | Hght | Az | Comment |
|---|---|---|---|---|---|---|---|
| 916.5902 | 80.57 | m | 45.01 | 3 | 219 | V | . |
| 915.0603 | 28.32 | m | -7.24 | 322 | 124 | V | nb |
| 36.0007 | 15.05 | m | -14.49 | 24 | 100 | V | nb |

**Table 2: Scan List for FCCB10, sorted by Frequency, -20.0dB filter**

| Freq, MHz | Value | Sts | FCCB10 | TT | Hght | Az | Comment |
|---|---|---|---|---|---|---|---|
| 36.0007 | 15.05 | m | -14.49 | 24 | 100 | V | nb |
| 915.0603 | 28.32 | m | -7.24 | 322 | 124 | V | nb |
| 916.5902 | 80.57 | m | 45.01 | 3 | 219 | V | . |

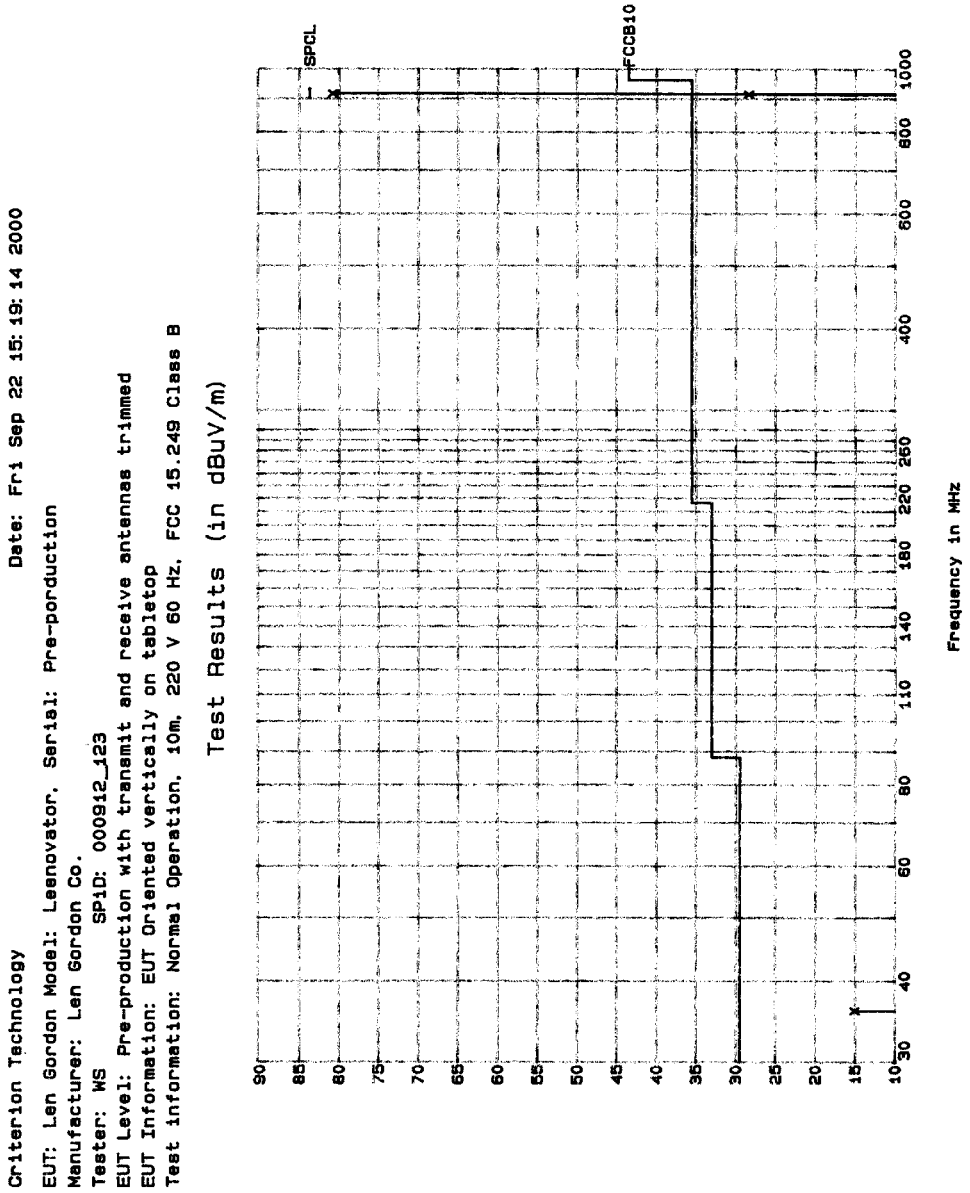
**Table 3: Complete Scan List Sorted by Frequency**

| Freq, MHz | I-val | Final | Sts | TT | Hght | Az | Time | Comment |
|---|---|---|---|---|---|---|---|---|
| 36.0007 | 23.12 | 15.05 | m | 24 | 100 | V | Tue Sep 19 12:59:50 2000 | nb |
| 250.1452 | 0.00 | -200.00 | s | 0 | 0 | b | ..... | nb |

**Table 3: Complete Scan List Sorted by Frequency**

| Freq, MHz | I-val | Final | Sts | TT | Hght | Az | Time | Comment |
|---|---|---|---|---|---|---|---|---|
| 915.0603 | 26.18 | 28.32 | m | 322 | 124 | V | Tue Sep 19 12:53:04 2000 | nb |

## Part 4.4 Radiated Emissions Plot, 30 MHz to 1000 MHz



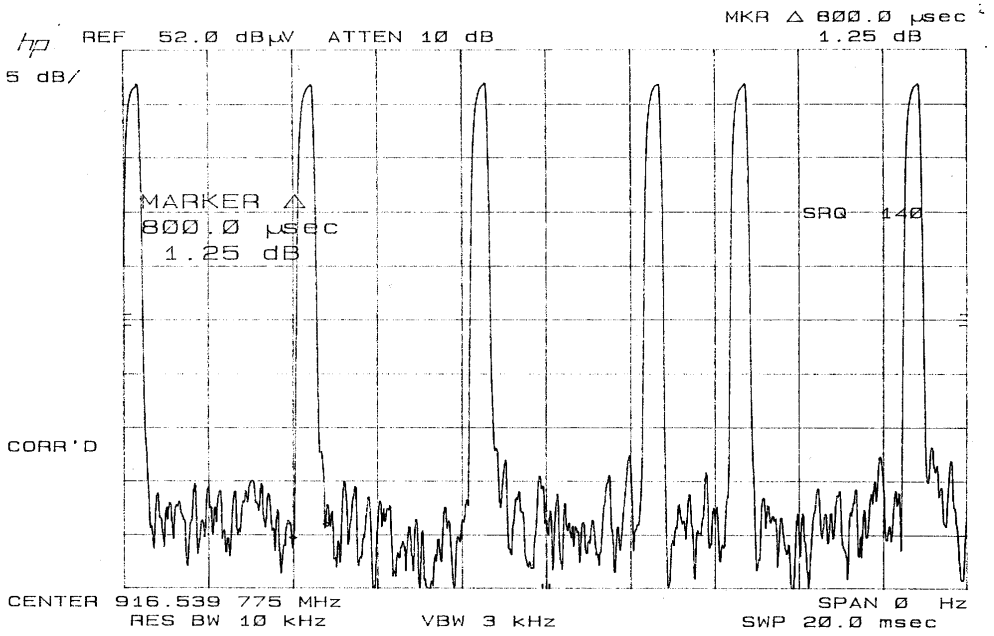
## Part 4.5 Radiated Emissions Data, 1000 MHz to 10,000 MHz

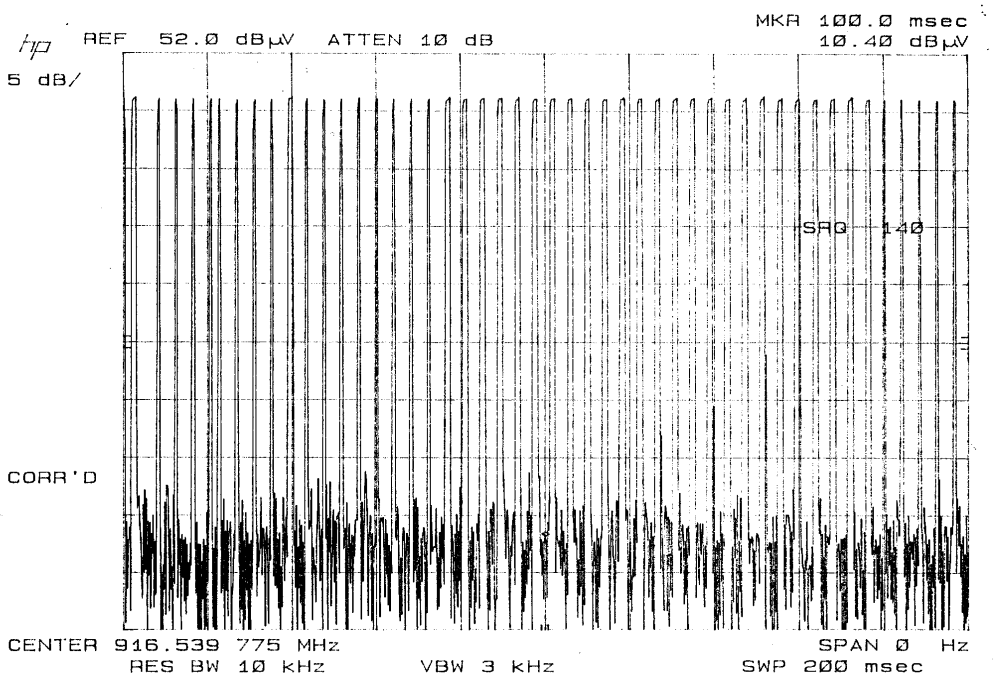
**Len Gordon**
**Lenovator Base Unit Transceiver** **Serial: Prepoduction Unit**
**Date: 9-19-00**
**Operator: MEM**

| freq (MHz) | I Val dBuV | Factor dB/m | Fval dBuV/m | Avg dBuV/m | Spec dBuV/m | TT Deg | Hgt M | Pol V/H |
|---|---|---|---|---|---|---|---|---|
| 916.5534 | 86.47 | 2.14 | 88.61 | 68.61 | 71.48 | 3 | 2.19 | V |
| 1833.166 | 75.55 | -2.92 | 72.63 | 52.63 | 61.94 | 320 | 1.07 | V |
| 2749.752 | 63.9 | 1.2 | 65.1 | 45.1 | 53.98 | 170 | 1.27 | V |
| 3666.333 | 55.5 | 2.41 | 57.91 | 37.91 | 53.98 | 40 | 1.45 | V |
| 4582.852 | 51.85 | 4.65 | 56.5 | 36.5 | 53.98 | 81 | 1.12 | V |
| 5499.286 | 34.1 | 8.65 | 42.75 | 22.75 | 61.94 | 117 | 1.05 | |
| 6415.87 | 39.8 | 9.35 | 49.15 | 29.15 | 61.94 | | | Noise Floor |
| 7332.41 | 39.4 | 12.74 | 52.14 | 32.14 | 53.98 | | | Noise Floor |
| 8248.953 | 39.55 | 12.32 | 51.87 | 31.87 | 53.98 | | | Noise Floor |
| 9165.496 | 35.7 | 14.84 | 50.54 | 30.54 | 53.98 | | | Noise Floor |

*All Spec. Limits based on 3 meter distance from EUT except for the fundamental at 916.5534 MHz. The fundamental was measured at a distance of 10 meters and the specification limit was adjusted accordingly.

## Part 4.6 Transmitted Pulse Characteristics



**Duty Cycle Calculation:**

Total Number of Pulses in 100 mSec. Window = 24

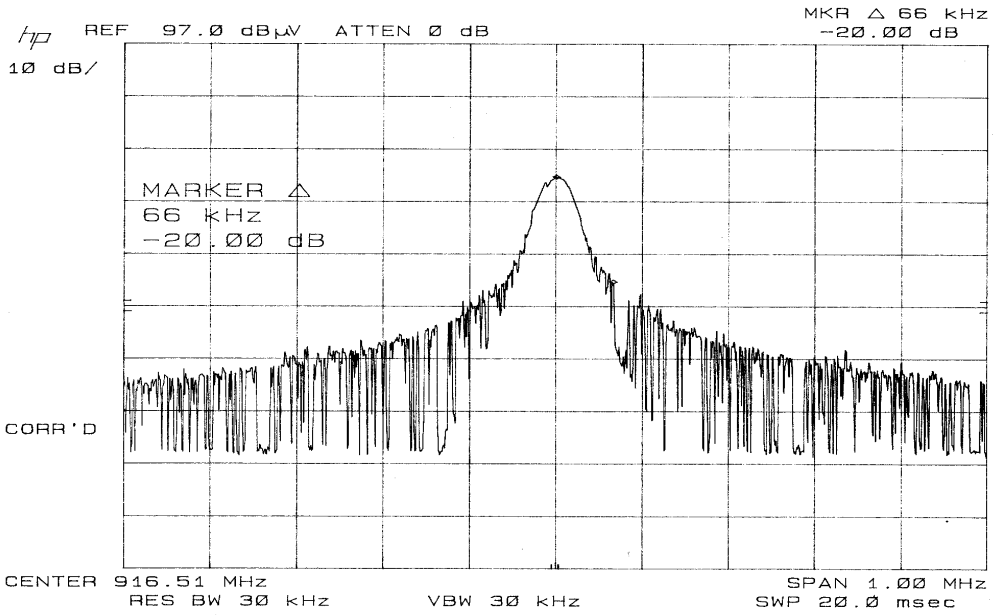
Pulse Width = 400 uSec (measured at half voltage points)

Pulse Train Duration (including blanking intervals) > 100 mSec

Duty Cycle = $\frac{24 * 0.4}{100}$ = 0.096 = 9.6%

**Average Power Correction Factor** = 20 * Log (0.096) = - 20.35 dB
maximum correction allowed = -20 dB

## Part 4.7 Occupied Bandwidth




Bandwidth at 20 dB points: 2 x 66 kHz = 132 KHz

Maximum bandwidth allowed above 900 MHz = 0.5% of Fundamental Frequency: 0.005 x 916.5 MHz = 4.5825 MHz

EUT meets bandwidth requirements

# Section 5 Equipment Calibration Information

**Criterion Technology Equipment Calibration List: Last Updated 9/6/00**

| Manufacturer | Name/Description | Model Number | Serial Number | Cal. Due |
|---|---|---|---|---|
| Abbeon | Thermometer & Hygrometer | HTAB169B | 001 | 12-23-00 |
| Antenna Research Associates | 1-18 GHz Horn | DRG118/A | 1056 | Verify |
| Antenna Research Associates | 1-18 GHz Horn | DRG118/A | 1057 | 4-29-01 |
| Chase | Bilog 30 - 1000 MHz | CB6111 | 1121 | 5-16-01 |
| Dickson | Temperature/ RH Recorder | THDX | 5300245 | 2-19-01 |
| Digitech | Digital Thermometer | 5810 | 93712063 | 12-27-00 |
| Doric | Digital Thermometer & Recorder | 205 | 21594 | 12-22-00 |
| EMCO | Active Loop | 6502 | 2626 | In Calibration |
| EMCO | BiConnical 30-200 MHz | 3108 | 2343 | 5-15-01 |
| EMCO | Dipole | 3121C | 722 | Verify |
| EMCO | Log Periodic 200 - 1000 MHz | 3146 | 2763 | 5-16-01 |
| EMCO | Log Periodic 200 - 1000 MHz | 3146 | 3096 | 5-16-01 |
| FCC | Current Probe | F-33-2 | None | 9-28-00 |
| Fluke | Digital Multimeter | 87 | 60800598 | 12-17-00 |
| Hewlett Packard | Preselector | HP 9445B | | 3-27-01 |
| Hewlett Packard | Tracking Generator | HP85645A | 3210A00124 | 6-13-01 |
| Hewlett Packard | Quasi Peak Adapter | HP 85650A | 2521A00733 | 7-6-01 |
| Hewlett Packard | Spectrum Analyzer | HP 8566B | 2403A07322 | 7-6-01 |
| Hewlett Packard | Spectrum Analyzer | HP 8566B | 2421A00527 | 7-6-01 |
| Hewlett Packard | Spectrum Analyzer | HP 8591A | 2919A00220 | 1-24-01 |
| Le Croy | Digital Storage Oscilloscope | 9450 | 2141 | 4-20-01 |
| Microwave Instrumentation Technologies | 18-26.5 GHz Horn | 12A-18 | 115300 | 10-12-00 |
| Mini Circuits | Preamp (AMP2) | | | 5-16-01 |
| Rohde/Schwarz | HF Receiver | ESHS-30 | 82600/011 | 8-30-01 |
| Rohde/Schwarz | LISN | ESH2-Z5 | 828739-001 | 8-29-01 |
| Rohde/Schwarz | VHF/UHF Receiver | ESVS-30 | 8634221014 | 5-25-01 |
| Solar | 50 uH LISN | 8612-50-TS-100N | 967621 | In Calibration |
| Solar | 50 uH LISN | 8612-50-TS-100N | 967622 | In Calibration |
| Tektronix | Oscilloscope | 2467B | B051203 | 12-20-00 |

| | | | | |
|---|---|---|---|---|
| Veratech | Preamp (AMP3) | | | 2-9-01 |
| Amplifier Research | Coupler | DC6080 | 19529 | 5-3-01 |
| Amplifier Research | E-Field Probe | FP2000 | 19682 | 1-27-01 |
| Amplifier Research | E-Field Probe | FP2080 | 20236 | 1-26-01 |
| Amplifier Research | Power Amplifier | 150A100A | 20183 | 5-3-01 |
| Amplifier Research | Power Amplifier | 100W1000M1 | 20214 | 5-4-01 |
| Amplifier Research | Power Amplifier | 10S1G4 | 20155 | 5-4-01 |
| Andrews Heliax Cable | F2-50 Low Loss Coax | F2-50 | N/A | 5-4-01 |
| EMCO | BiConnical 30-200 MHz | 3108 | 2441 | 5-15-01 |
| EMCO | Horn | 3115 | 4003 | Verif. |
| FCC | CDN | FCC-801-M3-25 | 9714 | 10-16-00 |
| FCC | Current Probe | F-33-1 | None | 9-27-00 |
| FCC | EM Clamp | F2031 | 309 | 3-17-01 |
| Fluke | Digital Multimeter | 87 | 66320753 | 12-17-00 |
| Fluke | Digital Multimeter | 87 | 68630334 | 12-17-00 |
| Gigatronics | Power Meter | 8541C | 1830945 | 11-8-00 |
| Gigatronics | Power Sensor | 80301A-410 | 1831996 | 10-30-00 |
| Haefely Trench | Coupling Network | IP6.2 | 083 957-02 | 9-18-01 |
| Haefely Trench | De-coupling Network | DEC1A | 080057-09 | 9-18-01 |
| Haefely Trench | Dip Generator | PLINE1610 | 083 970-07 | 10-25-00 |
| Haefely Trench | EFT Coupling Clamp | IP4A | 080-011-06 | 9-18-01 |
| Haefely Trench | EFT Tester | PEFT Junior | 583-333-51 | 9-18-01 |
| Haefely Trench | ESD Gun | PESD 1600 | H605100 | In Calibration |
| Haefely Trench | Impulse Module | PHV 30.2 | 083991-06 | 9-18-01 |
| Haefely Trench | Power Supply | PHF555 | 080-419-05 | 2-28-01 |
| Haefely Trench | Surge Generator | PSURGE 6.1 | 083 906-07 | 9-18-01 |
| Haefely Trench | Surge Network | FP-SURGE 32.1 | 083925-05 | 9-18-01 |
| Hewlett Packard | Pulse Generator | HP 8116A | 2901G09493 | In Calibration |
| Hewlett Packard | Signal Generator | HP 8648D | 3642000145 | 4-6-01 |
| Hewlett Packard | Spectrum Analyzer | HP 8594E | 3412A01039 | In Calibration |
| Lehman Chambers | Semi Anechoic Chamber | N/A | N/A | 10-5-00 |
| Tegam | Current Probe | 925236-1 | 12588 | 9-27-00 |
| Tegam | Current Probe Cal Fixture | 95241-1 | 12634 | 9-27-00 |

# Section 6 Product Information Forms

*Note: If there are any questions regarding the information required in these forms or if yo are in doubt about what tests are required for your product, please contact us either by phone or email.*

## CRITERION TECHNOLOGY PRODUCT INFORMATION FORM

**General Information** **Date** 9-12-00

Company Name: Len Gordon Co.
Company Address: 7215 Bermuda Road
Las Vegas, NV 89119

Contacts:
Compliance Engineer: Dan Roberts Phone: (702) 361-0600 Email:
Design Engineer: Phone: Email:

**Test Description**
De-Bug Formal (Initial) X Formal (Re-Verification)

**Market Information (Check all that Apply)**
USA X Canada Euro. Union Taiwan Japan New Zealand Australia
Other

**Product Information**
Name Lennovator Base Unit Model Number Serial Number Pre-Production
Product Dimensions: 5.1 x 16.5 x 13.8 inches Weight:

**Product Power Source:**

**Battery**
Type

**AC Supply**
Input Voltage Range(s)
Phases 1 Delta Wye
Current Unknown
Frequency 60 Hz
Manufacturer Len Gordon Co.
Model Number

**Topology**
Linear X Switching Mode Switching Frequency

**Support Equipment (if used):**

CPU:
Manufacturer
Model No.
Serial No.

Monitor:
Manufacturer
Model No.
Serial No.

Keyboard:

Manufacturer
Model No.
Serial No.

Mouse:

Manufacturer
Model No.
Serial No.

I/O Cables – Manufacturer, P/N, Length :

Serial Port
Parallel Port
SCSI Port
Other

**Operation Software:**

Name Version Number

**Operating Modes: (Please Include Cycle Time)**

Normal Operation

**Operation Pass/Fail Criteria:**

**Test Type – Emissions (Please check all that apply):**

**Information Technology Equipment**

Class A
Class B
Oscillator/Clock Frequencies (MHz)

**Industrial, Scientific, Medical Equipment**

Class A
Class B
Oscillator/Clock Frequencies (MHz)

**Unintentional Radiator**

Class A
Class B X
Oscillator/Clock Frequencies (MHz) 4.0 MHz

Receiver

Type (Regen., Superhet., Direct Conv., Homodyne) Superhet
Local Oscillator Frequencies 915 MHz
Frequency Range 916.5 MHz

**Intentional Radiator**

Fundamental Frequency Range 916.5 MHz
Local Oscillator Frequencies 916.5 MHz
Power Output (to antenna) 10 milliwatts
Integral Antenna (Yes/No) Yes

Modulation Type (AM, CM, Pulse, Spread Spectrum) Pulse
Control Circuits (Microprocessor/Micro-controller) Microcontroller
Oscillator/Clock Frequencies (MHz) 4.0 MHz