MFA M. Flom Associates, Inc. - Global Compliance Center
3356 North San Marcos Place, Suite 107, Chandler, Arizona 85225-7176
www.mflom.com general@mflom.com (480) 926-3100, FAX: 926-3598

Date: August 24, 2004

Federal Communications Commission
Via: Electronic Filing

Attention: Authorization & Evaluation Division

Applicant: EG & G Technical Services, Inc.
Equipment: PICSE-2
FCC ID: QUZ126724A
FCC Rules: 2, 15.245, Confidentiality

Gentlemen:

On behalf of the Applicant, enclosed please find Application Form 731, Engineering Test Report and all pertinent documentation, the whole for approval of the referenced equipment as shown.

Filing fees are attached.

We trust the same is in order. Should you need any further information, kindly contact the writer who is authorized to act as agent.

Sincerely yours,

Michael Schafer,
Compliance Test Manager

enclosure(s)
cc: Applicant
MS/del

List Of Exhibits
(FCC **Certification** (Transmitters) - Revised 9/28/98)

Applicant: EG & G Technical Services, Inc.

FCC ID: QUZ126724A

By Applicant:

1. Letter Of Authorization

2. Identification Drawings
   - Label
   - Location of Label
   - Compliance Statement
   - Location of Compliance Statement

3. Documentation: 2.1033(B)
   - (3) User Manual
   - (4) Operational Description
   - (5) Block Diagram
   - (5) Schematic Diagram
   - (7) Photographs
   - Parts List
   - Active Devices

4. Draft Specification Information

By M.F.A. Inc.

A. Testimonial & Statement of Certification

M. Flom Associates, Inc. - Global Compliance Center
3356 North San Marcos Place, Suite 107, Chandler, Arizona 85225-7176
www.mflom.com general@mflom.com (480) 926-3100, FAX: 926-3598

Sub-part
2.1033(c):

Equipment Identification

FCC ID: QUZ126724A

Nameplate Drawing

Attached, Exhibit 1.

Location

As Per Label Drawing(s)

Date Of Report

August 24, 2004

Supervised By:

David E. Lee,
Compliance Test Manager

The applicant has been cautioned as to the following:

15.21 Information to User.

The users manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) Special Accessories.

Equipment marketed to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer, without additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

Table Of Contents

Required information per ISO/IEC Guide 25-1990, paragraph 13.2:

a) **Test Report**

b) Laboratory: M. Flom Associates, Inc.
(FCC: 31040/SIT) 3356 N. San Marcos Place, Suite 107
(Canada: IC 2044) Chandler, AZ 85225

c) Report Number: d0480058

d) Client: EG & G Technical Services, Inc.
2420 Comanche Rd., NE., STE D-2
Albuquerque, NM 87107

e) Identification: PICSE-2
FCC ID: QUZ126724A
Description: Enrollment Station

f) EUT Condition: Not required unless specified in individual tests.

g) Report Date: August 24, 2004
EUT Received: August 4, 2004

h, j, k): As indicated in individual tests.

i) Sampling method: No sampling procedure used.

l) Uncertainty: In accordance with MFA internal quality manual.

m) Supervised by:

David E. Lee,
Compliance Test Manager

n) Results: The results presented in this report relate only to the item tested.

o) Reproduction: This report must not be reproduced, except in full, without written permission from this laboratory.

List of General Information Required for Certification

In Accordance With FCC Rules and Regulations,
Volume II, Part 2 and to 15.245

Sub-part 2.1033
(c)(1): **Name and Address of Applicant**:

EG & G Technical Services, Inc.
P.O. Box 9100
Albuquerque, NM 87119-9100

Manufacturer:

EG & G Technical Services, Inc.
P.O. Box 9100
Albuquerque, NM 87119-9100

(c)(2): **FCC ID**: QUZ126724A

Model Number: PICSE-2

(c)(3): **Instruction Manual(s)**:

Please See Attached Exhibits

(c)(4): Type Of Emission: FSK, 38.4kb data

(c)(5): **FREQUENCY RANGE, MHz**: 915.000

(c)(6): **Field Strength** 90.261 mV/m @ 3m
____ Switchable ____ Variable __X__ N/A

(c)(7): **Maximum Permissible Field Strength:** 500 mV/m @ 3m

15.203: **Antenna Requirement**:
__X__ The antenna is permanently attached to the EUT
____ The antenna uses a unique coupling
____ The EUT must be professionally installed
____ The antenna requirement does not apply

Subpart 2.1033 (continued)
(c)(8): Voltages & currents in all elements in final RF Stage, including final transistor or solid state device:

Collector Current, A	=	per manual
Collector Voltage, Vdc	=	per manual
Supply Voltage, Vdc	=	12

(c)(9): **Tune-Up Procedure**:

Please See Attached Exhibits

(c)(10): **Circuit Diagram/Circuit Description**:
Including description of circuitry & devices provided for determining and stabilizing frequency, for suppression of spurious radiation, for limiting modulation and limiting power.

Please See Attached Exhibits

(c)(11): **Label Information**:

Please See Attached Exhibits

(c)(12): **Photographs**:

Please See Attached Exhibits

(c)(13): **Digital Modulation Description**:

___ Attached Exhibits
_x_ N/A

(c)(14): **Test And Measurement Data**:

Follows

THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

M. FLOM ASSOCIATES, INC.
Chandler, AZ

for technical competence in the field of

Electrical Testing

The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 - 1999 "General Requirements for the Competence of Testing and Calibration Laboratories" and any additional program requirements in the identified field of testing.

Presented this 14th day of June 2004.

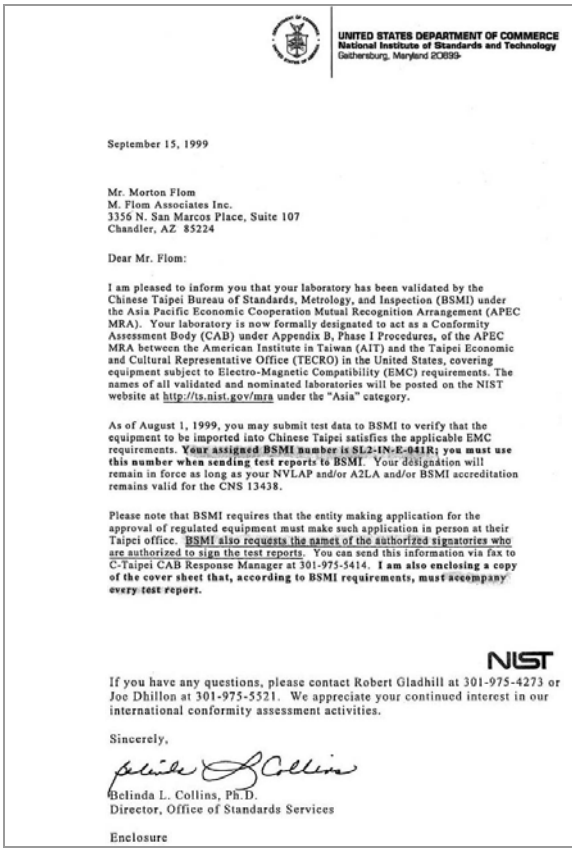
President
For the Accreditation Council
Certificate Number 2152-01
Valid to August 31, 2006

For tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

A2LA

"A2LA has accredited M. Flom Associates, Inc. Chandler, AZ for technical competence in the field of Electrical Testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 – 1999 'General Requirements for the Competence of Testing and Calibration Laboratories' and any additional program requirements in the identified field of testing."

Certificate Number: **2152-01**



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

September 15, 1999

Mr. Morton Flom
M. Flom Associates Inc.
3356 N. San Marcos Place, Suite 107
Chandler, AZ 85224

Dear Mr. Flom:

I am pleased to inform you that your laboratory has been validated by the Chinese Taipei Bureau of Standards, Metrology, and Inspection (BSMI) under the Asia Pacific Economic Cooperation Mutual Recognition Arrangement (APEC MRA). Your laboratory is now formally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA between the American Institute in Taiwan (AIT) and the Taipei Economic and Cultural Representative Office (TECRO) in the United States, covering equipment subject to Electro-Magnetic Compatibility (EMC) requirements. The names of all validated and nominated laboratories will be posted on the NIST website at http://ts.nist.gov/mra under the "Asia" category.

As of August 1, 1999, you may submit test data to BSMI to verify that the equipment to be imported into Chinese Taipei satisfies the applicable EMC requirements. **Your assigned BSMI number is SL2-IN-E-041R; you must use this number when sending test reports to BSMI.** Your designation will remain in force as long as your NVLAP and/or A2LA and/or BSMI accreditation remains valid for the CNS 13438.

Please note that BSMI requires that the entity making application for the approval of regulated equipment must make such application in person at their Taipei office. BSMI also requests the names of the authorized signatories who are authorized to sign the test reports. You can send this information via fax to C-Taipei CAB Response Manager at 301-975-5414. **I am also enclosing a copy of the cover sheet that, according to BSMI requirements, must accompany every test report.**

NIST

If you have any questions, please contact Robert Gladhill at 301-975-4273 or Joe Dhillon at 301-975-5521. We appreciate your continued interest in our international conformity assessment activities.

Sincerely,

Belinda L. Collins, Ph.D.
Director, Office of Standards Services

Enclosure

NIST

I am pleased to inform you that your laboratory has been validated by the Chinese Taipei Bureau of Standards, Metrology and Inspection (BSMI) under the Asia Pacific Economic Cooperation Mutual Recognition Agreement (APEC MRA). Your laboratory is now formally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA between the American Institute in Taiwan (AIT) and the Taipei Economic and Cultural Representative Office (TECRO) in the United States, covering equipment subject to Electro-Magnetic Compatibility (EMC) requirements. The names of all validated and nominated laboratories will be posted on the NIST website at http://ts.nist.gov/mra under the 'Asia' category."

Page Number 5 of 25.

Sub-part 2.1033(b): **Test And Measurement Data**

All tests and measurement data shown were performed in accordance with FCC Rules and Regulations, Volume II; Part 2, Sub-part J, Sections 2.1031, 2.1033, 2.1035, 2.1041, 2.1043, 2.1045, and the following individual Parts:

_____	15.209	Radiated emission limits; general requirements
_____	15.211	Tunnel radio systems
_____	15.213	Cable locating equipment
_____	15.214	Cordless telephones
_____	15.217	Operation in the band 160-190 kHz
_____	15.219	Operation in the band 510-1705 kHz
_____	15.221	Operation in the band 525-1705 kHz (leaky coax)
_____	15.223	Operation in the band 1.705-10 MHz
_____	15.225	Operation in the band 13.553-13.567 MHz
_____	15.227	Operation in the band 26-27.28 MHz (remote control)
_____	15.229	Operation in the band 40.66-40.70 MHz
_____	15.231	Periodic operation in the band 40.66-40.70 MHz and above 70 MHz
_____	15.233	Operation within the bands 43.71-44.49, 46.60-46.98 MHz 48.75-49.51 MHz and 49.66-50.0 MHz
_____	15.235	Operation within the band 49.82-49.90 MHz
_____	15.237	Operation within the bands 72.0-73.0 MHz, 74.6-74.8 MHz and 75.2-76.0 MHz (auditory assistance)
_____	15.239	Operation in band 88-108 MHz
_____	15.241	Operation in the band 174-216 MHz (biomedical)
_____	15.243	Operation in the band 890-940 MHz (materials)
X	15.245	Operation within the bands 902-928 MHz, 2435-2465 MHz, 5785-5815 MHz, 10500-10550 MHz, and 24075-24175 MHz (field disturbance sensors)
_____	15.247	Operation within bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz (spread spectrum)
_____	15.249	Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz
_____	15.251	Operation within the bands 2.9-3.26 GHz, 3.267-3.332 GHz, 3.339-3.3458 GHz, and 3.358-3.6 GHz (vehicle identification systems)
_____	15.321	Specific requirements for asynchronous devices operating in the 1910-1920 MHz and 2390-2400 MHz bands (Unlicensed PCS)
	15.323	Specific requirements for isochronous devices operating in the 1920-1930 MHz sub-band (Unlicensed PCS)

Standard Test Conditions
and
Engineering Practices

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.4-1992/2000 DRAFT, section 6.1.9, and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

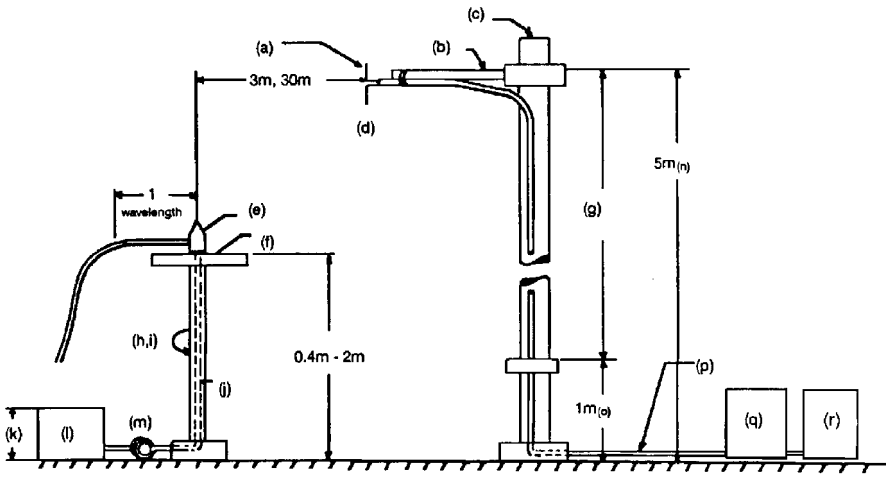
Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst-case measurements.

Page Number 7 of 25.

Name of Test: Field Strength of Spurious Radiation

Radiated Test Setup



Notes:
(a) Search Antenna - Rotatable on boom
(b) Non-metallic boom
(c) Non-metallic mast
(d) Adjustable horizontally
(e) Equipment Under Test
(f) Turntable
(g) Boom adjustable in height.
(h) External control cables routed horizontally at least one wavelength.
(i) Rotatable
(j) Cables routed through hollow turntable center
(k) 30 cm or less
(l) External power source
(m) 10 cm diameter coil of excess cable
(n) 25 cm (V), 1 m-7 m (V, H)
(o) 25 cm from bottom end of 'V', 1m normally
(p) Calibrated Cable at least 10m in length
(q) Amplifier (optional)
(r) Spectrum Analyzer

	Asset (as applicable)	Description	s/n	Cycle Per ANSI C63.4-1992/2000, 10.1.4	Last Cal
Transducer					
X	i00088	EMCO 3109-B 25MHz-300MHz	2336	12 mo.	Sep-03
X	i00089	Aprel 2001 200MHz-1GHz	001500	12 mo.	Sep-03
	i00103	EMCO 3115 1GHz-18GHz	9208-3925	12 mo.	Sep-03
	i00065	EMCO 3301-B Active Monopole	2635	12 mo.	Sep-03
Amplifier					
	i00028	HP 8449A	2749A00121	12 mo.	May-04
Spectrum Analyzer					
	i00029	HP 8563E	3213A00104	12 mo.	Jan-04
X	i00033	HP 85462A	3625A00357	12 mo.	Aug-04
	i00048	HP 8566B	2511AD1467	12 mo.	Jul-04

Page Number 8 of 25.

Photograph(s) of Test Setup for Highest Emissions

Test Setup: Radiated Emissions

Measurement Results: Field Strength of Spurious Radiation

Frequency of Carrier, MHz	=	915.000
Spectrum Searched	=	Fc to 10 x Fc
All Other Emissions	=	≥ 20dB Below Limit
Measurement Results	=	Attached

Meets general radiated emission limits (Rule 15.209) outside of the frequency band.

Per 47 CFR 15.245:

(a) EUT is, or makes use of, a field disturbance sensor.

(b) EUT complies with the following limits:

Fc Frequency, MHz	**Fc FIELD, mv/m**	**Spurious Field, mv/m**
902-928	500	1.6
2435-2465	500	1.6
5783-5815	500	1.6
10500-10550	2500	25.0
24075-24175	2500	25.0

(b)(1) Harmonic emissions in the restricted bands below 17.7 GHz do not exceed the field strength limits of 15.209. Harmonic emissions in the restricted bands at and above 17.7 GHz do not exceed the following field strength limits:

(b)(1)(I) For field disturbance sensors used only within a building or to open doors, 25.0 mv/m

(b)(1)(ii) For all other field disturbance sensors, 7.5 mv/m

(b)(1)(iii) Emissions in the restricted bands fully comply with the limits given in 15.209

(b)(2) Emissions were measured at a distance of 3 meters.

(b)(3) Emissions radiated outside of the specified frequency bands, other than harmonics, were attenuated by at least the lesser attenuation of 50 dB below the fundamental of 15.209.

(b)(4) The emissions were measured on instrumentation employing an average detector. The provisions in 15.35 for limiting peak emissions were met.

Name of Test: Transmitter Fundamental (Radiated)
g0480018: 2004-Aug-03 Tue 10:59:00
State: 0:General

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBuV	@ m	C.F., dB	Calc dBμV/m	mV/m	@ m
915.000000	914.970000	64.5	3	34.6	99.1	90.261	3

Name of Test: Transmitter Spurious Emissions (Radiated)
g0480018: 2004-Aug-03 Tue 10:27:00
State: 0:General

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBuV	@ m	C.F., dB	Calc dBμV/m	mV/m	@ m
915.000000	1829.956667	55.3	3	3.1	58.4	0.963	3
915.000000	2744.920000	47.0	3	4.1	51.1	0.360	3
915.000000	3659.865000	38.3	3	8.6	47.0	0.223	3
915.000000	4574.811667	31.0	3	11.2	42.2	0.128	3
915.000000	5489.811667	21.8	3	11.3	33.1	0.045	3
915.000000	6404.811667	21.7	3	12.6	34.2	0.052	3
915.000000	7319.811667	20.5	3	13.8	34.3	0.052	3
915.000000	8234.811667	20.7	3	16.7	37.3	0.073	3
915.000000	9149.811667	22.7	3	14.4	37.0	0.071	3

All other emissions in the required measurement range were more that 20 dB below the required limits.

Name of Test: Receiver Spurious Emissions (Radiated)
g0480018: 2004-Aug-04 Wed 08:56:00
State: 0:General

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBuV	@ m	C.F., dB	Calc dBμV/m	mV/m	@ m
915.000000	914.852500	21.8	3	24.1	45.9	0.197	3
915.000000	1829.695000	7.80	3	33.5	41.3	0.116	3
915.000000	2744.548000	-4.2	3	39.6	36.4	0.059	3
915.000000	3659.400000	27.2	3	-1.8	25.4	0.018	3
915.000000	4574.250000	29.2	3	0.7	30.4	0.031	3

All other emissions in the required measurement range were more that 20 dB below the required limits.

Supervised By: David E. Lee,
Compliance Test Manager

Page Number 11 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Specification: 47 CFR 2.1049(c)(1)

Guide: ANSI/TIA/EIA-603-1992, Paragraph 2.2.11

Test Equipment: As per attached page

Measurement Procedure

1. The EUT and test equipment were set up as shown on the following page, with the Spectrum Analyzer loosely coupled.

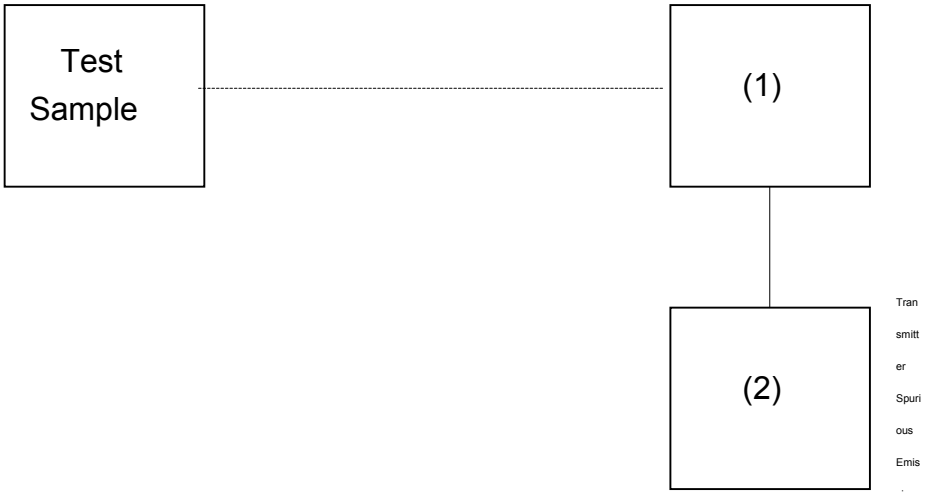
2. The transmit function was enabled.

3. The Occupied Bandwidth was measured with the Spectrum Analyzer controls set as shown on the test results.

4. Measurement Results: Attached

Transmitter Spurious Emission

Test A. Occupied Bandwidth (In-Band Spurious)
Test B. Out-of-Band Spurious



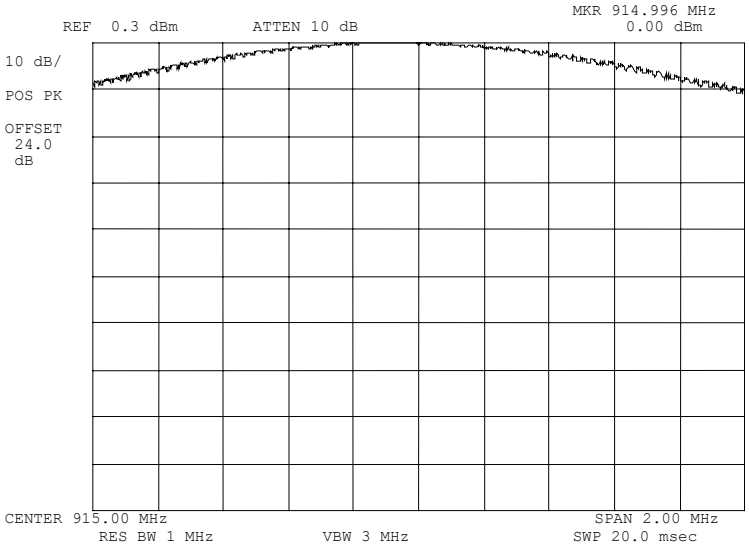
	Asset	Description	s/n		
(1)	**Antenna – Loose Coupled**				
(2)	**Spectrum Analyzer**				
x	i00048	HP 8566B	2511A01467	12 mo	July-04
	i00029	HP 8563E	3213A00104	12 mo	Mar-04

Page Number 13 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480011: 2004-Aug-03 Tue 12:06:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
REFERENCE

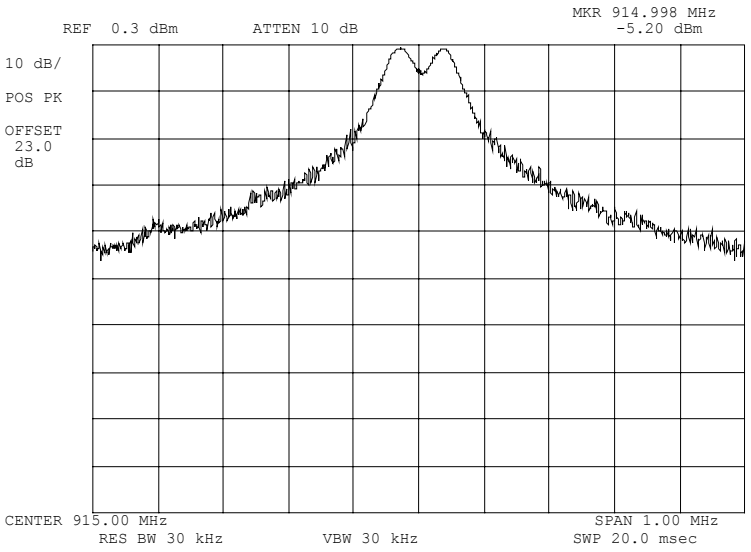
Performed by: David E. Lee,
Compliance Test Manager

Page Number 14 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480012: 2004-Aug-03 Tue 12:09:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
SIGNAL BAND WIDTH

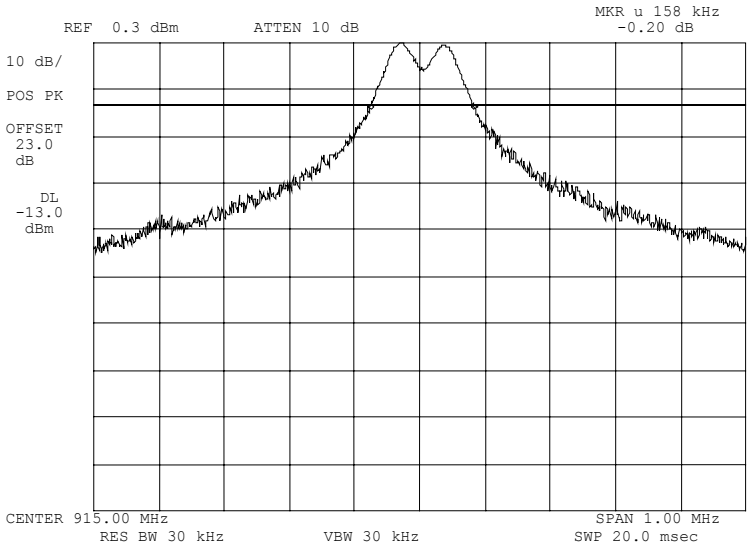
Performed by: David E. Lee,
Compliance Test Manager

Page Number 15 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480013: 2004-Aug-03 Tue 12:11:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
-13DBM

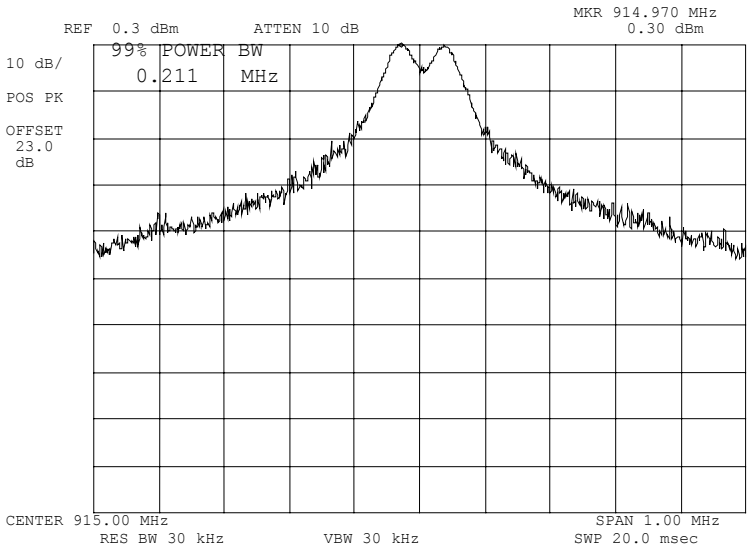
Performed by: David E. Lee,
Compliance Test Manager

Page Number 16 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480014: 2004-Aug-03 Tue 12:14:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
POWER BANDWIDTH

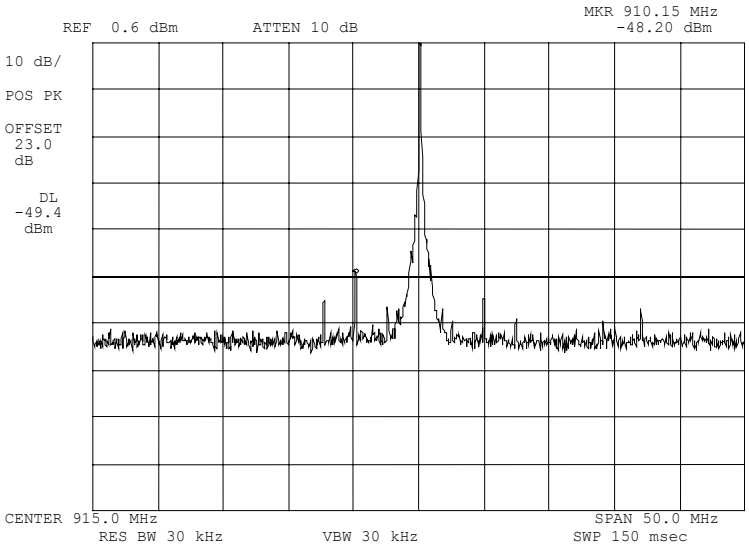
Performed by: David E. Lee,
Compliance Test Manager

Page Number 17 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480015: 2004-Aug-03 Tue 12:21:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
SPURIOUS

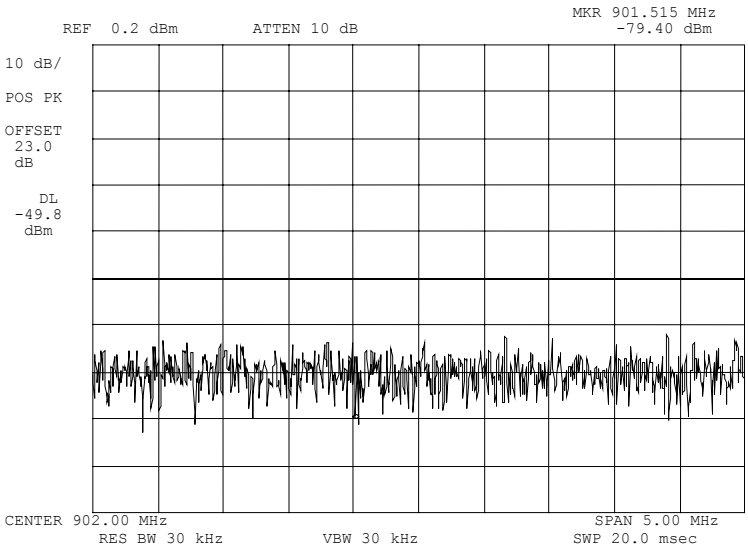
Performed by: David E. Lee,
Compliance Test Manager

Page Number 18 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480016: 2004-Aug-03 Tue 12:22:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
LOW BAND EDGE

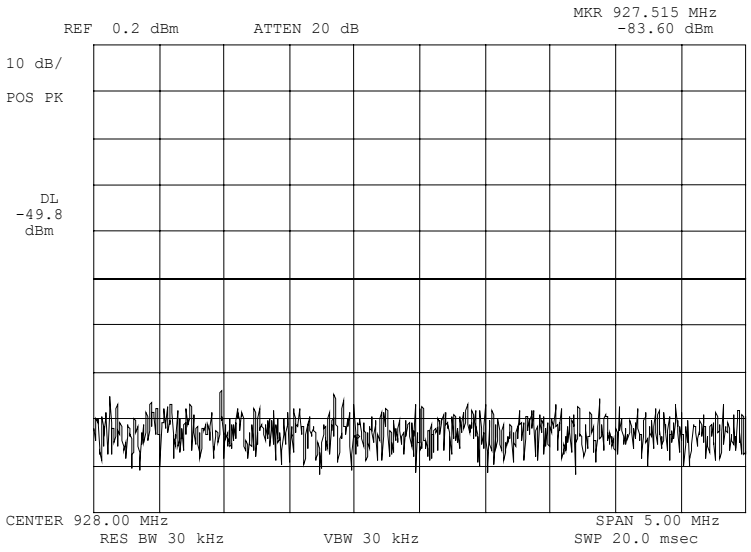
Performed by: David E. Lee,
Compliance Test Manager

Page Number 19 of 25.

Name of Test: Emission Masks (Occupied Bandwidth)

Measurement Results

g0480017: 2004-Aug-03 Tue 12:23:00
State: 0:General Ambient Temperature: 23°C ± 3°C



Power: LOOSE COUPLED
Modulation: 38.4 DATA
HI BAND EDGE

Performed by: David E. Lee,
Compliance Test Manager

Page Number 20 of 25.

Name of Test: A/C Powerline Conducted Emissions

Specification: FCC: 47 CFR 15.107

Guide: ANSI C63.4-1992/2001

Test Conditions: S. T. & H.

Test Equipment: As per attached page

Measurement Procedure

1. The EUT was arranged in accordance with ANSI C63.2-1992/2001.

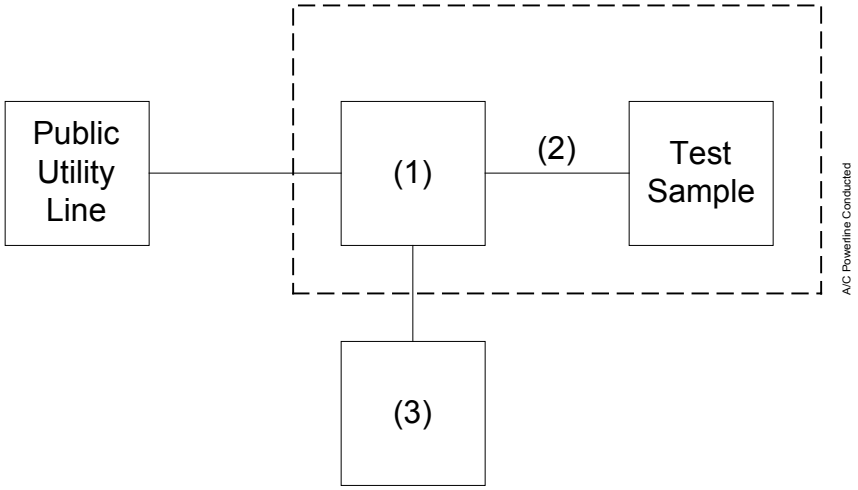
2. A test sample was connected to the Public Utility lines through a LISN (50 μH).

3. A reference level of 250 μV was set on the Spectrum Analyzer. The spectrum was searched over the range of 450 kHz to 30 MHz.

4. All other emissions were 20 dB or more below limit.

5. Measurement Results: Attached.

AC Powerline Conducted Measurements



	Asset	Description	s/n	Cycle	Last Cal
				Per ANSI C63.4-1992/2000 Draft, 10.1.4	
(1) **Line Impedance Stabilization Network**					
	i00244	Fischer 50-20-2-01	2047	NCR	
(2) **Screen Room**					
X	i00170	Lindgren LG170	4999	NCR	
(3) **Spectrum Analyzer**					
X	i00033	HP 85462A	3625A00357	12 mo.	Aug-04
	i00048	HP 8566B	2511AD1467	12 mo.	Jul-04

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Photograph(s) of Test Setup for Highest Emissions

Test Setup: A/C Powerline Conducted Emissions

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Name of Test: A/C Powerline Conducted Emissions
47 CFR 15.107(a):

A/C Powerline Conducted Emission Limits

15.107(b) **Class A Conducted Limits**

Frequency of Emission, MHz	μV//m	dBuV
0.150 - 1.705	1000	60
1.705 - 30.0	3000	70

g0480080: 2004-Aug-06 Fri 09:29:00
State: 0: Line Side

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBuV	C.F., dB	dBμV
0.000000	0.450000	33.2	0.6	33.8
0.000000	1.000000	4.9	0.6	5.5
0.000000	12.130000	30.8	1.0	31.8
0.000000	15.920000	25.9	1.2	27.1
0.000000	20.870000	17.5	1.9	19.4
0.000000	23.990000	18.8	1.6	20.41

g0480081: 2004-Aug-06 Fri 09:32:00
State: 0: Neutral

Frequency Tuned, MHz	Frequency Emission, MHz	Level, dBuV	C.F., dB	dBμV
0.000000	0.450000	36.0	0.6	36.7
0.000000	4.240000	16.5	0.7	17.1
0.000000	6.140000	20.9	0.8	21.7
0.000000	12.500000	31.9	1.1	33.0
0.000000	15.860000	25.9	1.2	27.1
0.000000	19.470000	19.5	2.0	21.5

Supervised By: David E. Lee,
Compliance Test Manager

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Name of Test: Frequency Stability (Temperature Variation)

Specification: 47 CFR 2.1055(a)(1)

Guide: ANSI/TIA/EIA-603-1992/2001, Paragraph 2.2.2

Measurement Procedure

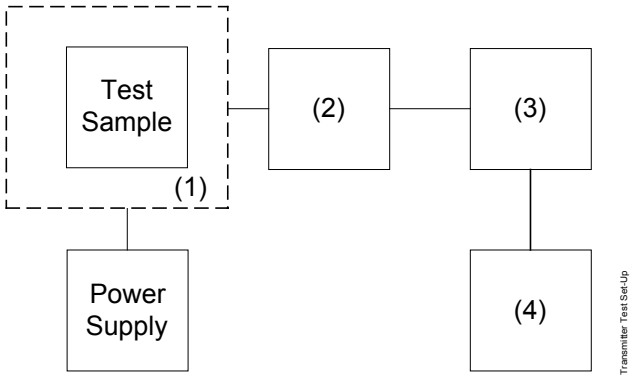
A) The EUT and test equipment were set up as shown on the following page.

B) With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.

C) With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.

D) The temperature tests were performed for the worst case.

Transmitter Test Set-Up: Temperature Variation



	Asset	Description	s/n		
(1) **Temperature, Humidity, Vibration**					
X	i00027	Tenney Temp. Chamber	9083-765-234	NCR	
(2) **Coaxial Attenuator**					
	i00231/2	PASTERNACK PE7021-30 (30 dB)	231 or 232	NCR	
	i00122/3	NARDA 766 (10 dB)	7802 or 7802A	NCR	
(3) **RF Power**					
	i00067	HP 8920A Communications TS	3345U01242	12 mo	Feb-04
(4) **Frequency Counter**					
X	i00067	HP 8920A Communications TS	3345U01242	12 mo	Feb-04

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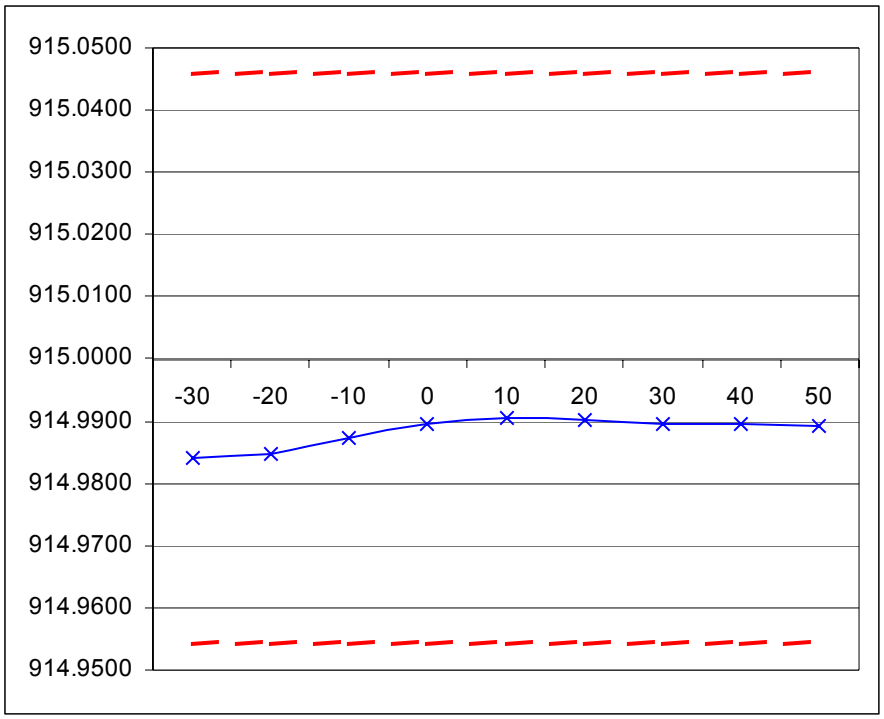
Name of Test: Frequency Stability (Temperature Variation)

Measurement Results

State: General



Performed by:

David E. Lee,
Compliance Test Manager

NOTICE

§ 15.205 Restricted Bands of Operation

(a) Except as shown in paragraph (b) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.25
0.495-0.505	16.69475-16.69625	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2655-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-339.4	3600-4400	(2)
13.36-13.41			

Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz. Above 38.6

Testimonial
And
Statement Of Certification

This is to certify that:

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.

2. **That** the technical data supplied with the application was taken under my direction and supervision.

3. **That** the data was obtained on representative units, randomly selected.

4. **That**, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.

Certifying Engineer: David E. Lee,
Compliance Test Manager