

# GE Security, Inc.

**RCR-REX-W  
RCR-REX-G  
RCR-REX-B**

**October 27, 2005**

**Report No. ILGX0264**

Report Prepared By



[www.nwemc.com](http://www.nwemc.com)  
1-888-EMI-CERT

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**EMC Test Report**



22975 NW Evergreen Parkway  
Suite 400  
Hillsboro, Oregon 97124

## Certificate of Test

Issue Date: October 27, 2005

GE Security, Inc.

Model(s): RCR-REX-W, RCR-REX-G, RCR-REX-B

| Emissions                                              |                                |                                     |                          |
|--------------------------------------------------------|--------------------------------|-------------------------------------|--------------------------|
| Specification                                          | Test Method                    | Pass                                | Fail                     |
| FCC 15.109 Radiated Emissions:2005-10                  | ANSI C63.4:2003                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| RSS-Gen, issue 1, 4.1 Occupied Bandwidth:2005          | RSS-Gen 1, Issue 1, 4.4.1:2005 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| FCC 15.249 Field Strength of Fundamental:2005-9        | ANSI C63.4:2003                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| FCC 15.249 Field Strength of Spurious Emissions:2005-9 | ANSI C63.4:2003                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

### Modifications made to the product

See the Modifications section of this report

### Test Facility

The measurement facility used to collect the data is located at:

Northwest EMC, Inc.  
22975 NW Evergreen Parkway, Suite 400; Hillsboro, OR 97124  
Phone: (503) 844-4066  
Fax: 844-3826

This site has been fully described in a report filed with and accepted by the FCC (Federal Communications Commission) and Industry Canada.

Approved By:

Greg Kiemel, Director of Engineering

*This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America.*

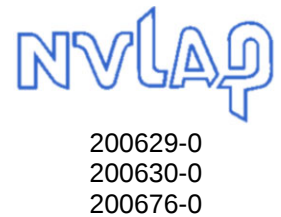
*Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested, the specific description is noted in each of the individual sections of the test report supporting this certificate of test.*

| Revision Number | Description | Date | Page Number |
|-----------------|-------------|------|-------------|
| 00              | None        |      |             |

**FCC:** Accredited by NVLAP for performance of FCC radio, digital, and ISM device testing. Our Open Area Test Sites, certification chambers, and conducted measurement facilities have been fully described in reports filed with the FCC and accepted by the FCC in letters maintained in our files. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by the FCC as a Telecommunications Certification Body (TCB). This allows Northwest EMC to certify transmitters to FCC specifications in accordance with 47 CFR 2.960 and 2.962.



**NVLAP:** Northwest EMC, Inc. is recognized under the United States Department of Commerce, National Institute of Standards and Technology, and National Voluntary Laboratory Accreditation Program for satisfactory compliance with the requirements of ISO/IEC 17025 for Testing Laboratories. The NVLAP accreditation encompasses Electromagnetic Compatibility Testing in accordance with the European Union EMC Directive 89/336/EEC, ANSI C63.4, MIL-STD 461E, DO-160D and SAE J1113. Additionally, Northwest EMC is accredited by NVLAP to perform radio testing in accordance with the European Union R&TTE Directive 1999/5/EEC, the requirements of FCC, and the RSS radio standards for Industry Canada.



**Industry Canada:** Accredited by NVLAP for performance of Industry Canada RSS and ICES testing. Our Open Area Test Sites and certification chambers comply with RSS 212, Issue 1 (Provisional) and have been filed with Industry Canada and accepted. Northwest EMC has been accredited by ANSI to ISO / IEC Guide 65 as a product certifier. We have been designated by NIST and recognized by Industry Canada as a Certification Body (CB) per the APEC Mutual Recognition Arrangement (MRA). This allows Northwest EMC to certify transmitters to Industry Canada technical requirements.



**CAB:** Designated by NIST and validated by the European Commission as a Conformity Assessment Body (CAB) to conduct tests and approve products to the EMC directive and transmitters to the R&TTE directive, as described in the U.S. - EU Mutual Recognition Agreement.



**TÜV Product Service:** Included in TÜV Product Service Group's Listing of Recognized Laboratories. It qualifies in connection with the TÜV Certification after Recognition of Agent's Testing Program for the product categories and/or standards shown in TÜV's current Listing of CARAT Laboratories, available from TÜV. A certificate was issued to represent that this laboratory continues to meet TÜV's CARAT Program requirements. Certificate No. USA0401C.



**TÜV Rheinland:** Authorized to carryout EMC tests by order and under supervision of TÜV Rheinland. This authorization is based on "Conditions for EMC-Subcontractors" of November 1992.



**NEMKO:** Assessed and accredited by NEMKO (Norwegian testing and certification body) for European emissions and immunity testing. As a result of NEMKO's laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification (Authorization No. ELA 119).



**Technology International:** Assessed in accordance with ISO Guide 25 defining the general international requirements for the competence of calibration and testing laboratories and with ITI assessment criteria LACO196. Based upon that assessment, Interference Technology International, Ltd., has granted approval for specifications implementing the EU Directive on EMC (89/336/EEC and amendments). The scope of the approval was provided on a Schedule of Assessment supplied with the certificate and is available upon request.



**Australia/New Zealand:** The National Association of Testing Authorities (NATA), Australia has been appointed by the ACA as an accreditation body to accredit test laboratories and competent bodies for EMC standards. Accredited test reports or assessments by competent bodies must carry the NATA logo. Test reports made by an overseas laboratory that has been accredited for the relevant standards by an overseas accreditation body that has a Mutual Recognition Agreement (MRA) with NATA are also accepted as technical grounds for product conformity. The report should be endorsed with the respective logo of the accreditation body (NVLAP).



**VCCI:** Accepted as an Associate Member to the VCCI, Acceptance No. 564. Conducted and radiated measurement facilities have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. (*Registration Numbers. - Hillsboro: C-1071 and R-1025, Irvine: C-2094 and R-1943, Newberg: C-1877 and R-1760, Sultan: R-871, C-1784 and R-1761*).



**BSMI:** Northwest EMC has been designated by NIST and validated by C-Taipei (BSMI) as a CAB to conduct tests as described in the APEC Mutual Recognition Agreement. License No.SL2-IN-E-1017.



**GOST:** Northwest EMC, Inc. has been assessed and accredited by the Russian Certification bodies Certinform VNIINMASH, CERTINFO, SAMTES, and Federal CHEC, to perform EMC and Hygienic testing for Information Technology Products. As a result of their laboratory assessment, they will accept test results from Northwest EMC, Inc. for product certification



## SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/scope.asp>

### What is measurement uncertainty?

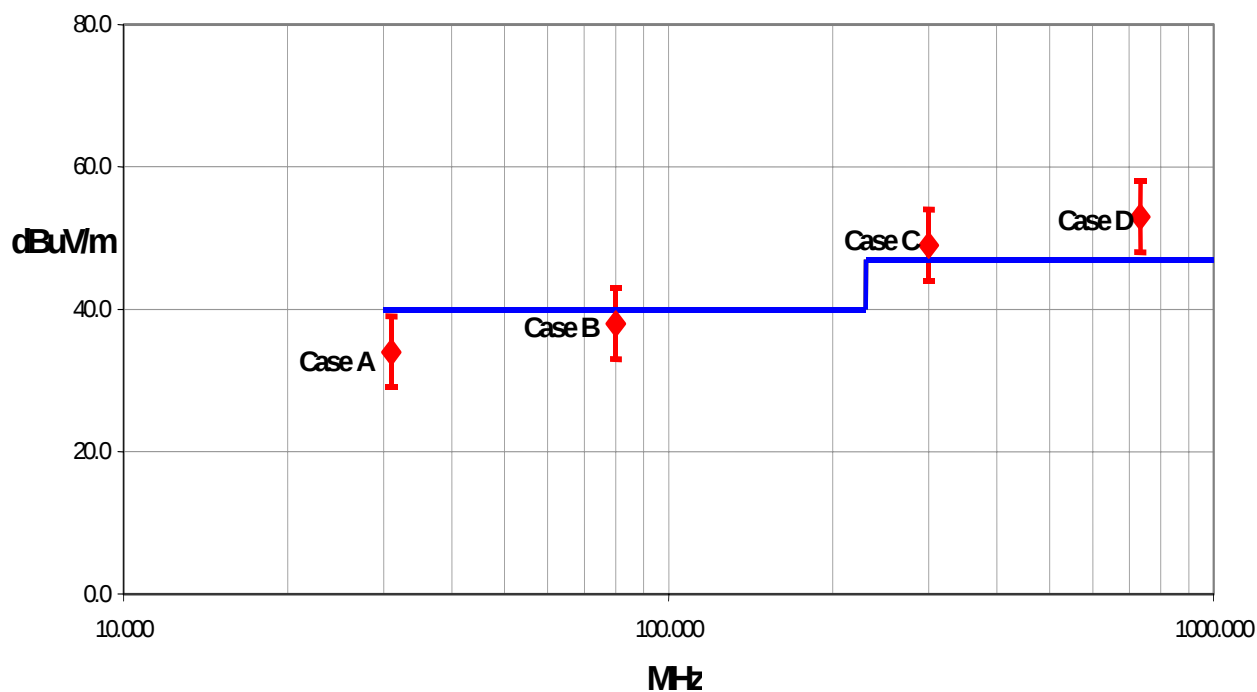
When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. The following statement of measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" value. In the case of transient tests (ESD, EFT, Surge, Voltage Dips and Interruptions), the test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements.

The following documents were the basis for determining the uncertainty levels of our measurements:

- "ISO Guide to the Expression of Uncertainty in Measurements", October 1993
- "NIS81: The Treatment of Uncertainty in EMC Measurements", May 1994
- "IEC CISPR 16-3 A1 f1 Ed.1: Radio-interference measurements and statistical techniques", December 2000

### How might measurement uncertainty be applied to test results?

If the diamond marks the measured value for the test and the vertical bars bracket the range of + and – measurement uncertainty, then test results can be interpreted from the diagram below.



#### Test Result Scenarios:

**Case A:** Product complies.

**Case B:** Product conditionally complies. It is not possible to say with 95% confidence that the product complies.

**Case C:** Product conditionally does not comply. It is not possible to say with 95% confidence that the product does not comply.

**Case D:** Product does not comply.

**Radiated Emissions  $\leq 1$  GHz**

Value (dB)

| Test Distance                                                     | Probability Distribution | Biconical Antenna |                  | Log Periodic Antenna |                  | Dipole Antenna   |                  |
|-------------------------------------------------------------------|--------------------------|-------------------|------------------|----------------------|------------------|------------------|------------------|
|                                                                   |                          | 3m                | 10m              | 3m                   | 10m              | 3m               | 10m              |
| Combined standard uncertainty $u_c(y)$                            | normal                   | + 1.86<br>- 1.88  | + 1.82<br>- 1.87 | + 2.23<br>- 1.41     | + 1.29<br>- 1.26 | + 1.31<br>- 1.27 | + 1.25<br>- 1.25 |
| Expanded uncertainty $U$<br>(level of confidence $\approx 95\%$ ) | normal (k=2)             | + 3.72<br>- 3.77  | + 3.64<br>- 3.73 | + 4.46<br>- 2.81     | + 2.59<br>- 2.52 | + 2.61<br>- 2.55 | + 2.49<br>- 2.49 |

**Radiated Emissions  $> 1$  GHz**

Value (dB)

| Test Distance                                                     | Probability Distribution | Without High Pass Filter |                  | With High Pass Filter |                  |
|-------------------------------------------------------------------|--------------------------|--------------------------|------------------|-----------------------|------------------|
|                                                                   |                          | 3m                       | 10m              | 3m                    | 10m              |
| Combined standard uncertainty $u_c(y)$                            | normal                   | + 1.29<br>- 1.25         | + 1.38<br>- 1.35 | + 1.29<br>- 1.25      | + 1.38<br>- 1.35 |
| Expanded uncertainty $U$<br>(level of confidence $\approx 95\%$ ) | normal (k=2)             | + 2.57<br>- 2.51         | + 2.76<br>- 2.70 | + 2.57<br>- 2.51      | + 2.76<br>- 2.70 |

**Conducted Emissions**

| Test Distance                                                     | Probability Distribution | Value (+/- dB) |
|-------------------------------------------------------------------|--------------------------|----------------|
| Combined standard uncertainty $u_c(y)$                            | normal                   | 1.48           |
| Expanded uncertainty $U$<br>(level of confidence $\approx 95\%$ ) | normal (k = 2)           | 2.97           |

**Radiated Immunity**

| Test Distance                                                     | Probability Distribution | Value (+/- dB) |
|-------------------------------------------------------------------|--------------------------|----------------|
| Combined standard uncertainty $u_c(y)$                            | normal                   | 1.05           |
| Expanded uncertainty $U$<br>(level of confidence $\approx 95\%$ ) | normal (k = 2)           | 2.11           |

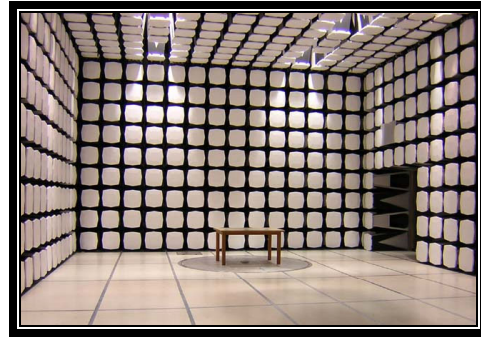
**Conducted Immunity**

| Test Distance                                                     | Probability Distribution | Value (+/- dB) |
|-------------------------------------------------------------------|--------------------------|----------------|
| Combined standard uncertainty $u_c(y)$                            | normal                   | 1.05           |
| Expanded uncertainty $U$<br>(level of confidence $\approx 95\%$ ) | normal (k = 2)           | 2.10           |

**Legend**

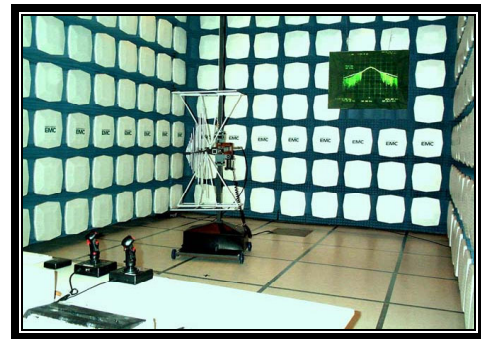
$u_c(y)$  = square root of the sum of squares of the individual standard uncertainties

$U$  = combined standard uncertainty multiplied by the coverage factor:  $k$ . This defines an interval about the measured result that will encompass the true value with a confidence level of approximately 95%. If a higher level of confidence is required, then  $k=3$  (CL of 99.7%) can be used. Please note that with a coverage factor of one,  $u_c(y)$  yields a confidence level of only 68%.



**California – Orange County Facility  
Labs OC01 – OC13**

41 Tesla Ave. Irvine, CA 92618  
(888) 364-2378 Fax: (503) 844-3826



**Oregon – Evergreen Facility  
Labs EV01 – EV10**

22975 NW Evergreen Pkwy. Suite 400 Hillsboro, OR 97124  
(503) 844-4066 Fax: (503) 844-3826



**Washington – Sultan Facility  
Labs SU01 – SU07**

14128 339<sup>th</sup> Ave. SE Sultan, WA 98294  
(888) 364-2378

**Party Requesting the Test**

|                                 |                                                                                   |
|---------------------------------|-----------------------------------------------------------------------------------|
| <b>Company Name:</b>            | GE Security, Inc.                                                                 |
| <b>Address:</b>                 | 12345 SW Leveton Drive                                                            |
| <b>City, State, Zip:</b>        | Tualatin, OR 97062                                                                |
| <b>Test Requested By:</b>       | Fred Eggers                                                                       |
| <b>Model:</b>                   | RCR-REX-W, RCR-REX-G, RCR-REX-B (all 3 are identical except for color of plastic) |
| <b>First Date of Test:</b>      | October 19, 2005                                                                  |
| <b>Last Date of Test:</b>       | October 20, 2005                                                                  |
| <b>Receipt Date of Samples:</b> | October 19, 2005                                                                  |
| <b>Equipment Design Stage:</b>  | Production                                                                        |
| <b>Equipment Condition:</b>     | No visual damage.                                                                 |

**Information Provided by the Party Requesting the Test**

|                            |                                |
|----------------------------|--------------------------------|
| <b>Clocks/Oscillators:</b> | 4MHz clock on microcontroller. |
| <b>I/O Ports:</b>          | Not Provided.                  |

**Functional Description of the EUT (Equipment Under Test):**

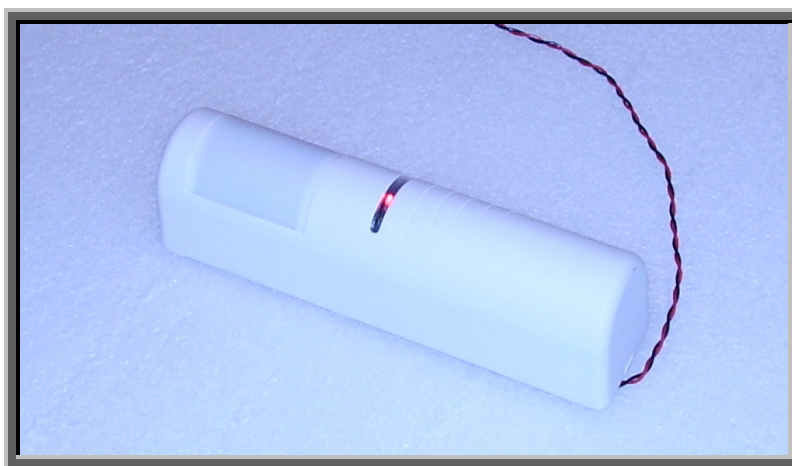
EUT is a request-to-exit sensor that is part of a commercial/industrial facility access control system.

**Client Justification for EUT Selection:**

Random Production Test Sample, with typical Configuration. The product is a representative production sample.

**Client Justification for Test Selection:**

These tests satisfy the FCC requirements for a Class II Permissive Change application under FCC 15.249

**EUT Photo**

| <b>Equipment modifications</b> |            |                                      |                                  |                                                                     |                                                   |
|--------------------------------|------------|--------------------------------------|----------------------------------|---------------------------------------------------------------------|---------------------------------------------------|
| Item                           | Date       | Test                                 | Modification                     | Note                                                                | Disposition of EUT                                |
| 1                              | 10/19/2005 | Field Strength of Spurious Emissions | Same configuration as delivered. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 2                              | 10/19/2005 | Field Strength of Fundamental        | Same configuration as delivered. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 3                              | 10/19/2005 | Radiated Emissions                   | Same configuration as delivered. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 4                              | 10/20/2005 | Occupied Bandwidth to RSS 210        | Same configuration as delivered. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed.                  |

**Justification**

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

**Channels in Specified Band Investigated:**

Typical

**Operating Modes Investigated:**

Typical

**Antennas Investigated:**

Internal

**Data Rates Investigated:**

Typical

**Power Input Settings Investigated:**

15 VDC

**Software\Firmware Applied During Test**

| Exercise software | N/A | Version | N/A |
|-------------------|-----|---------|-----|
| Description       |     |         |     |
| N/A               |     |         |     |

**EUT and Peripherals**

| Description           | Manufacturer                          | Model/Part Number                     | Serial Number |
|-----------------------|---------------------------------------|---------------------------------------|---------------|
| EUT - Motion Detector | GE Security, Inc.                     | RCR-REX-W,<br>RCR-REX-G,<br>RCR-REX-B | 001           |
| DC Power Supply       | Topward Electric Instruments Co. Ltd. | TPS 2000                              | Unknown       |

**Cables**

| Cable Type | Shield | Length (m) | Ferrite | Connection 1          | Connection 2    |
|------------|--------|------------|---------|-----------------------|-----------------|
| DC Leads   | No     | 1.3        | No      | EUT - Motion Detector | DC Power Supply |
| AC Power   | No     | 1.8        | No      | DC Power Supply       | AC Mains        |

## Measurement Equipment

| Description        | Manufacturer | Model                | Identifier | Last Cal   | Interval |
|--------------------|--------------|----------------------|------------|------------|----------|
| Antenna, Horn      | EMCO         | 3160-09              | AHG        | NCR        | NA       |
| Pre-Amplifier      | Miteq        | JSD4-18002600-26-8P  | APU        | 02/15/2005 | 13 mo    |
| Pre-Amplifier      | Miteq        | AMF-4D-005180-24-10P | APC        | 02/17/2005 | 13 mo    |
| Antenna, Biconilog | EMCO         | 3141                 | AXE        | 12/03/2003 | 24 mo    |
| Pre-Amplifier      | Miteq        | AMF-4D-010100-24-10P | APW        | 08/02/2005 | 13 mo    |
| Pre-Amplifier      | Miteq        | AM-1616-1000         | AOL        | 08/02/2005 | 13 mo    |
| Antenna, Horn      | EMCO         | 3160-08              | AHK        | NCR        | NA       |
| Antenna, Horn      | EMCO         | 3115                 | AHC        | 08/30/2005 | 12 mo    |
| Spectrum Analyzer  | Agilent      | E4446A               | AAQ        | 06/15/2005 | 13 mo    |

## Test Description

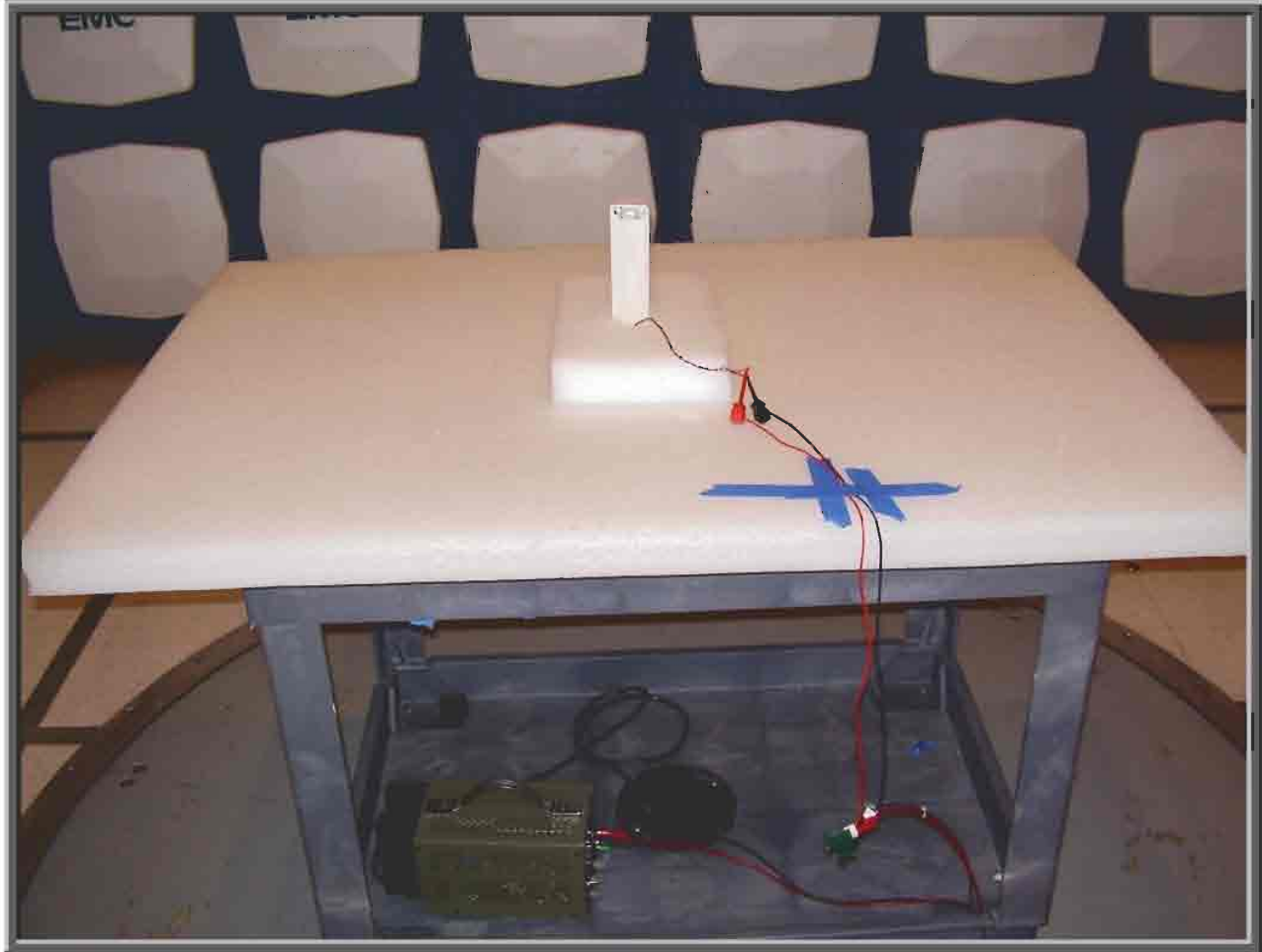
**Requirement:** The field strength of the fundamental emission shall comply with the limits, as defined in 47 CFR 15.249. Field strength limits are specified at a distance of 3 meters.

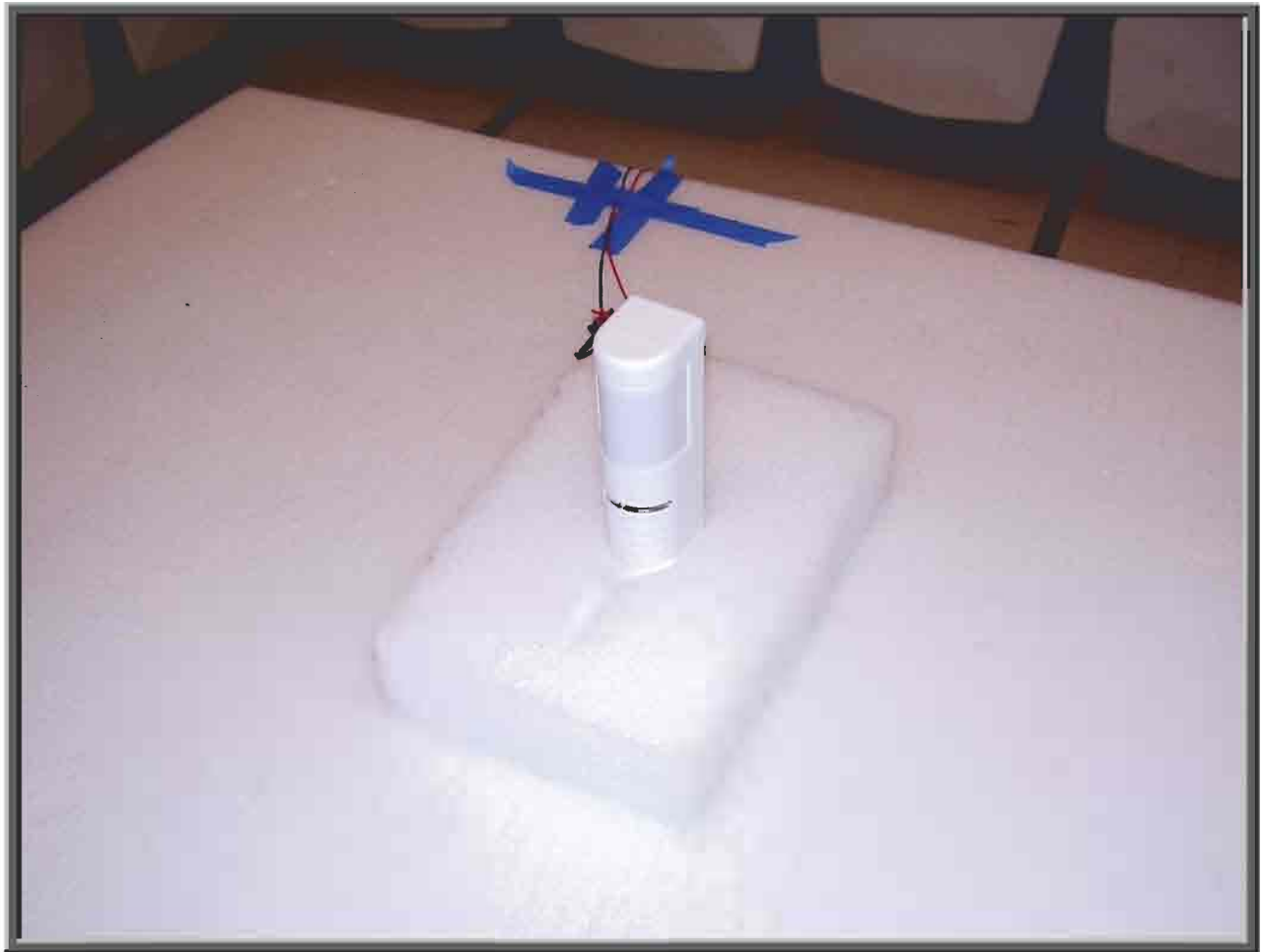
**Configuration:** The antenna to be used with the EUT was tested. The EUT was transmitting and/or receiving while set at the available channel. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.4:2003).

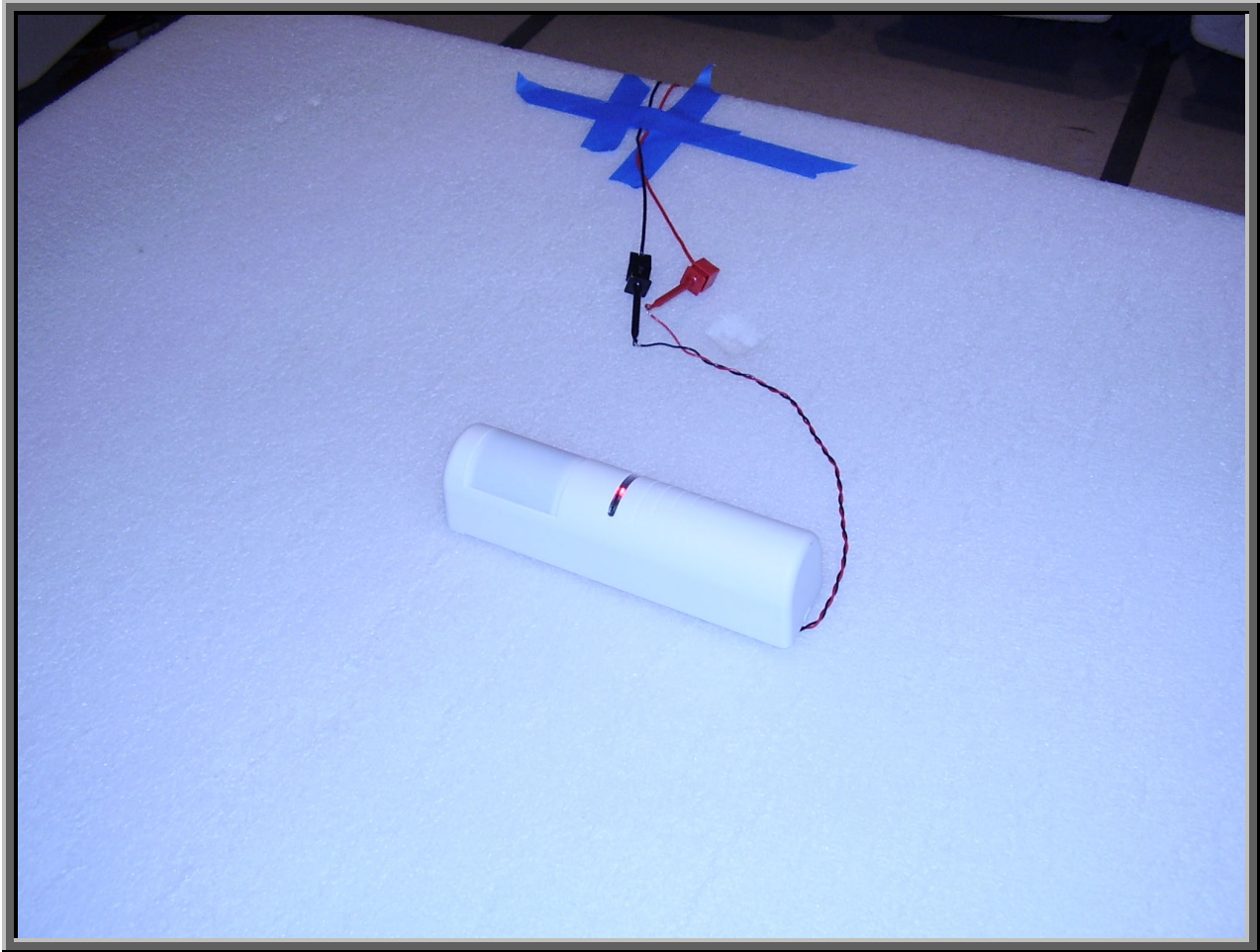
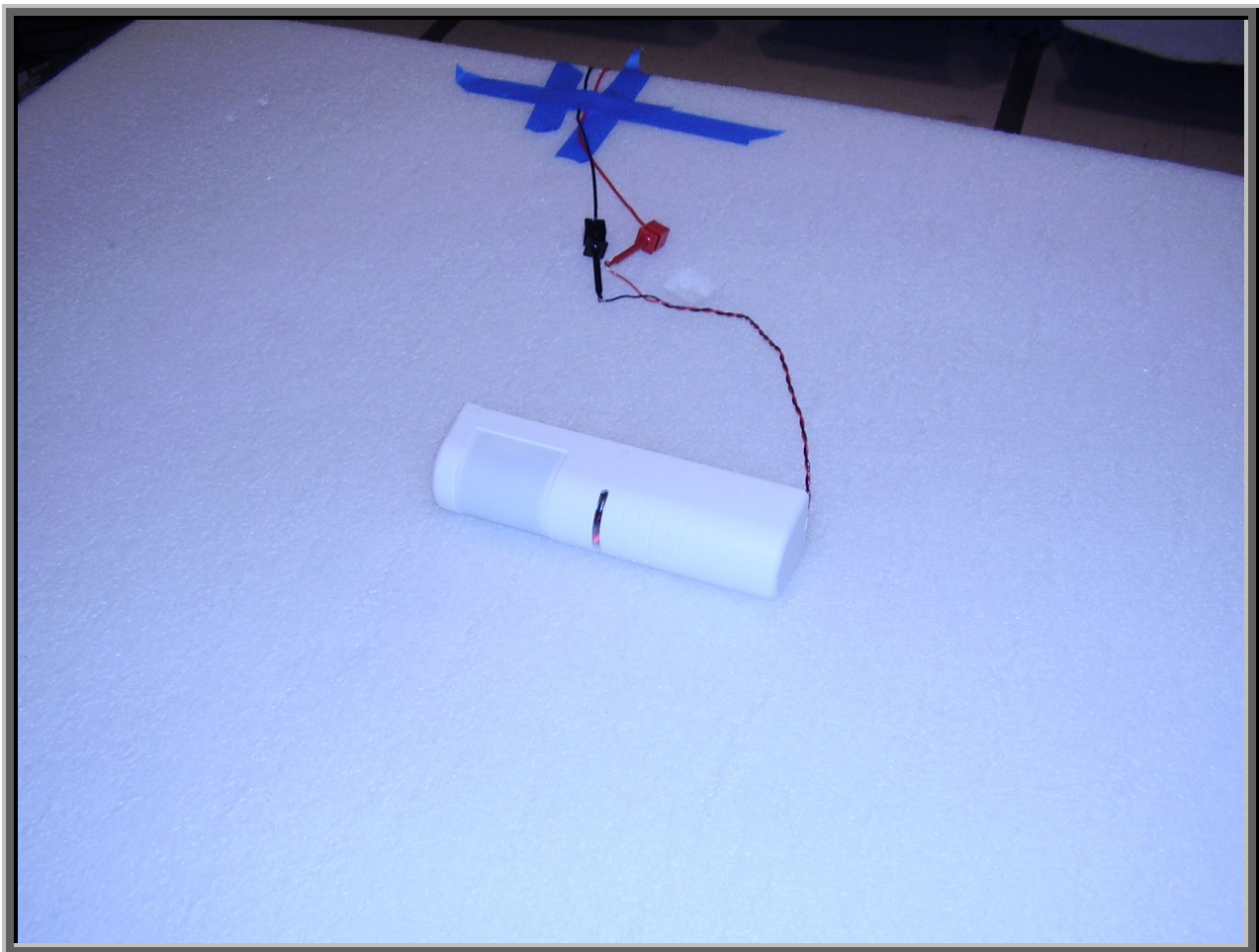
Completed by:



| NORTHWEST<br>EMC                                                        |                  |             |                   |                 |                   |                           |          |          |                            | Field Strength of Fundamental  |                    |                        |              | PSA 2005.10.04<br>EMI 2005.10.11 |  |
|-------------------------------------------------------------------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|----------------------------|--------------------------------|--------------------|------------------------|--------------|----------------------------------|--|
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B                                    |                  |             |                   |                 |                   |                           |          |          |                            | Work Order: ILGX0264           |                    |                        |              |                                  |  |
| Serial Number: 001                                                      |                  |             |                   |                 |                   |                           |          |          |                            | Date: 10/19/05                 |                    |                        |              |                                  |  |
| Customer: GE Security, Inc.                                             |                  |             |                   |                 |                   |                           |          |          |                            | Temperature: 24                |                    |                        |              |                                  |  |
| Attendees: None                                                         |                  |             |                   |                 |                   |                           |          |          |                            | Humidity: 45%                  |                    |                        |              |                                  |  |
| Project: None                                                           |                  |             |                   |                 |                   |                           |          |          |                            | Barometric Pressure: 30.04     |                    |                        |              |                                  |  |
| Tested by: Holly Ashkannejhad                                           |                  |             |                   |                 |                   |                           |          |          |                            | Power: 15VDC                   |                    | Job Site: EV01         |              |                                  |  |
| TEST SPECIFICATIONS<br>FCC 15.249(a) Spurious Radiated Emissions:2005-9 |                  |             |                   |                 |                   |                           |          |          |                            | Test Method<br>ANSI C63.4:2003 |                    |                        |              |                                  |  |
| TEST PARAMETERS                                                         |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Antenna Height(s) (m)                                                   |                  | 1 - 4       |                   |                 |                   | Test Distance (m)         |          | 3        |                            |                                |                    |                        |              |                                  |  |
| COMMENTS                                                                |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| EUT OPERATING MODES                                                     |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Pulsed RF                                                               |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| DEVIATIONS FROM TEST STANDARD                                           |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| No deviations.                                                          |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Run #                                                                   |                  | 1           |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Configuration #                                                         |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Results                                                                 |                  | Pass        |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Signature <i>Holly Ashkannejhad</i>                                     |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
|                                                                         |                  |             |                   |                 |                   |                           |          |          |                            |                                |                    |                        |              |                                  |  |
| Freq (MHz)                                                              | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m                | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments     |                                  |  |
| 5840.060                                                                | 56.0             | 8.6         | 15.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 64.6                           | 114.0              | -49.4                  | EUT on side  |                                  |  |
| 5814.670                                                                | 56.0             | 8.5         | 247.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 64.5                           | 114.0              | -49.5                  | EUT Vertical |                                  |  |
| 5755.900                                                                | 55.9             | 8.5         | 22.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 64.4                           | 114.0              | -49.6                  | EUT on side  |                                  |  |
| 5841.710                                                                | 55.7             | 8.6         | 248.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 64.3                           | 114.0              | -49.7                  | EUT Vertical |                                  |  |
| 5812.840                                                                | 55.5             | 8.5         | 35.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 64.0                           | 114.0              | -50.0                  | EUT on side  |                                  |  |
| 5757.910                                                                | 54.9             | 8.5         | 263.0             | 1.8             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 63.4                           | 114.0              | -50.6                  | EUT Vertical |                                  |  |
| 5840.060                                                                | 56.0             | 8.6         | 15.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 44.6                           | 94.0               | -49.4                  | EUT on side  |                                  |  |
| 5814.670                                                                | 56.0             | 8.5         | 247.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 44.5                           | 94.0               | -49.5                  | EUT Vertical |                                  |  |
| 5755.900                                                                | 55.9             | 8.5         | 22.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 44.4                           | 94.0               | -49.6                  | EUT on side  |                                  |  |
| 5841.710                                                                | 55.7             | 8.6         | 248.0             | 1.2             | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 44.3                           | 94.0               | -49.7                  | EUT Vertical |                                  |  |
| 5812.840                                                                | 55.5             | 8.5         | 35.0              | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 44.0                           | 94.0               | -50.0                  | EUT on side  |                                  |  |
| 5757.910                                                                | 54.9             | 8.5         | 263.0             | 1.8             | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 43.4                           | 94.0               | -50.6                  | EUT Vertical |                                  |  |







**Justification**

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

**Channels in Specified Band Investigated:**

|         |
|---------|
| Typical |
|---------|

**Operating Modes Investigated:**

|         |
|---------|
| Typical |
|---------|

**Antennas Investigated:**

|          |
|----------|
| Internal |
|----------|

**Data Rates Investigated:**

|         |
|---------|
| Typical |
|---------|

**Power Input Settings Investigated:**

|        |
|--------|
| 15 VDC |
|--------|

**Frequency Range Investigated**

|                        |        |                       |        |
|------------------------|--------|-----------------------|--------|
| <b>Start Frequency</b> | 30 MHz | <b>Stop Frequency</b> | 40 GHz |
|------------------------|--------|-----------------------|--------|

**Software\Firmware Applied During Test**

|                          |     |                |     |
|--------------------------|-----|----------------|-----|
| <b>Exercise software</b> | N/A | <b>Version</b> | N/A |
|--------------------------|-----|----------------|-----|

|             |
|-------------|
| Description |
|-------------|

|     |
|-----|
| N/A |
|-----|

**EUT and Peripherals**

| Description           | Manufacturer                          | Model/Part Number                   | Serial Number |
|-----------------------|---------------------------------------|-------------------------------------|---------------|
| EUT - Motion Detector | GE Security, Inc.                     | RCR-REX-W<br>RCR-REX-G<br>RCR-REX-B | 001           |
| DC Power Supply       | Topward Electric Instruments Co. Ltd. | TPS 2000                            | Unknown       |

**Cables**

| Cable Type | Shield | Length (m) | Ferrite | Connection 1          | Connection 2    |
|------------|--------|------------|---------|-----------------------|-----------------|
| DC Leads   | No     | 1.3        | No      | EUT - Motion Detector | DC Power Supply |
| AC Power   | No     | 1.8        | No      | DC Power Supply       | AC Mains        |

## Measurement Equipment

| Description        | Manufacturer | Model                | Identifier | Last Cal   | Interval |
|--------------------|--------------|----------------------|------------|------------|----------|
| Antenna, Horn      | EMCO         | 3160-09              | AHG        | NCR        | NA       |
| Pre-Amplifier      | Miteq        | JSD4-18002600-26-8P  | APU        | 02/15/2005 | 13 mo    |
| Pre-Amplifier      | Miteq        | AMF-4D-005180-24-10P | APC        | 02/17/2005 | 13 mo    |
| Antenna, Biconilog | EMCO         | 3141                 | AXE        | 12/03/2003 | 24 mo    |
| Pre-Amplifier      | Miteq        | AMF-4D-010100-24-10P | APW        | 08/02/2005 | 13 mo    |
| Pre-Amplifier      | Miteq        | AM-1616-1000         | AOL        | 08/02/2005 | 13 mo    |
| Antenna, Horn      | EMCO         | 3160-08              | AHK        | NCR        | NA       |
| Antenna, Horn      | EMCO         | 3115                 | AHC        | 08/30/2005 | 12 mo    |
| Spectrum Analyzer  | Agilent      | E4446A               | AAQ        | 06/15/2005 | 13 mo    |

## Test Description

**Requirement:** The field strength of harmonics and spurious radiated emissions shall comply with the limits as defined in 47 CFR 15.249. Field strength limits are specified at a distance of 3 meters. Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Sec. 15.209, whichever is the lesser attenuation. As shown in Sec. 15.35(b), for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified in Sec. 15.249 by more than 20 dB under any condition of modulation.

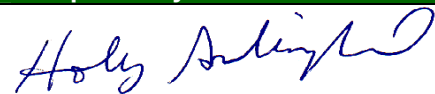
**Configuration:** The antennas to be used with the EUT were tested. The EUT was transmitting and receiving while set at the available channel. While scanning, emissions from the EUT were maximized by rotating the EUT, adjusting the measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes (per ANSI C63.4:2003). A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

## Bandwidths Used for Measurements

| Frequency Range (MHz) | Peak Data (kHz) | Quasi-Peak Data (kHz) | Average Data (kHz) |
|-----------------------|-----------------|-----------------------|--------------------|
| 0.01 – 0.15           | 1.0             | 0.2                   | 0.2                |
| 0.15 – 30.0           | 10.0            | 9.0                   | 9.0                |
| 30.0 – 1000           | 100.0           | 120.0                 | 120.0              |
| Above 1000            | 1000.0          | N/A                   | 1000.0             |

*Measurements were made using the bandwidths and detectors specified. No video filter was used.*

Completed by:

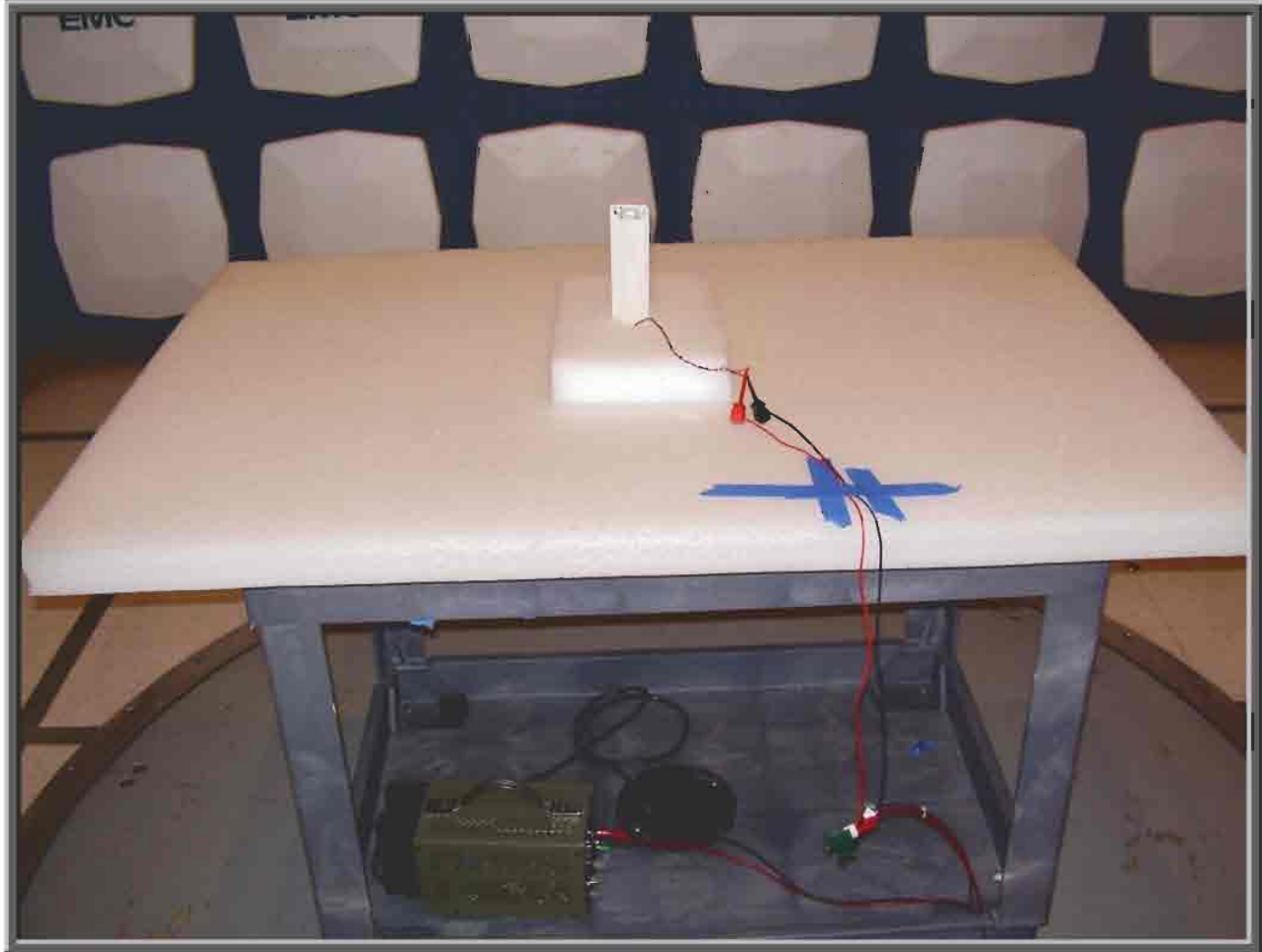


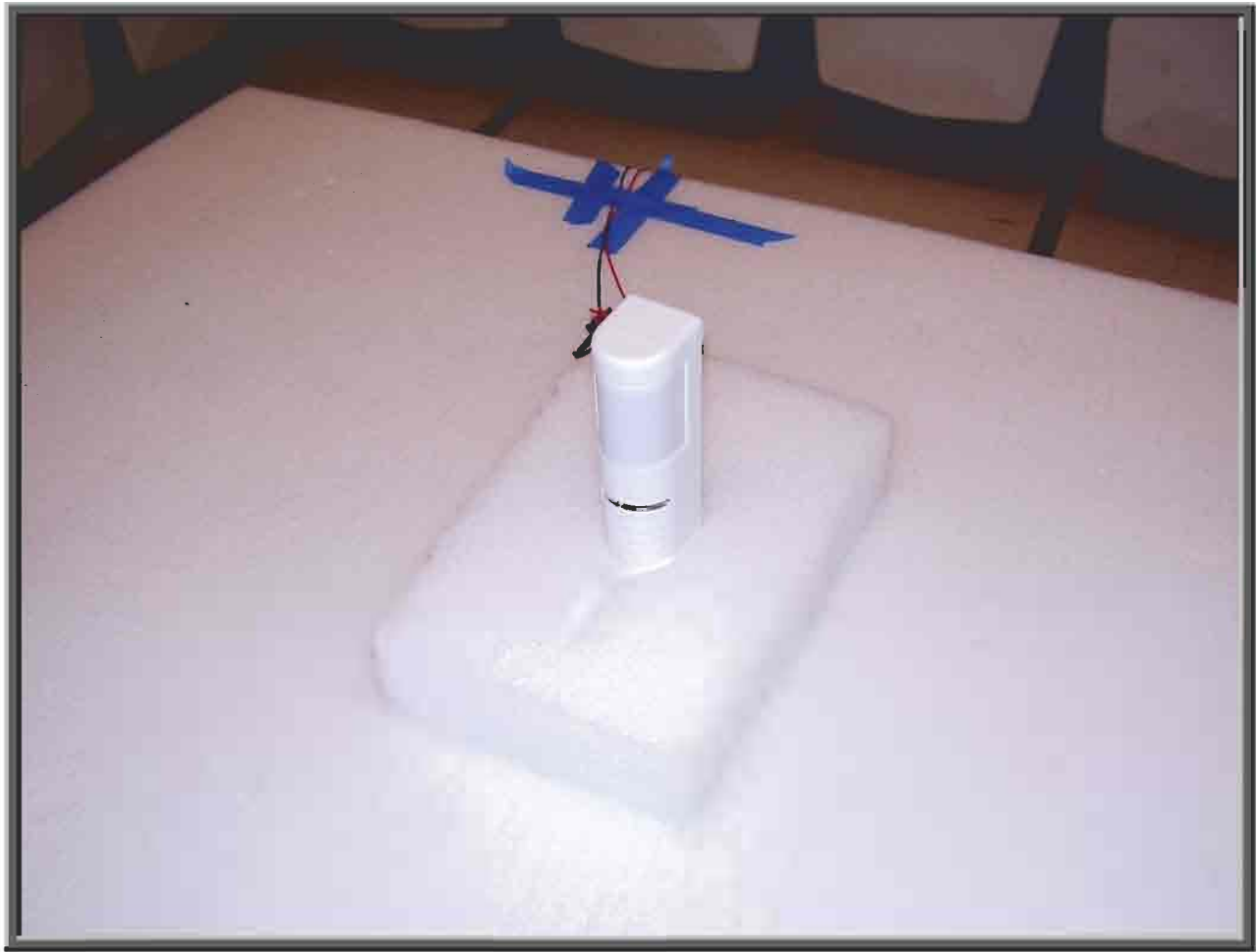
| NORTHWEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |             |                   |                                     |                   |                           |          |          |                            | PSA 2005.10.04             |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-------------------|-------------------------------------|-------------------|---------------------------|----------|----------|----------------------------|----------------------------|--------------------|------------------------|--------------|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|----------------------------|-----------------|--------------------|------------------------|----------|----------|------|-----|------|-----|-----|-----|--------|----|-----|------|------|-------|-------------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|--------------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|-------------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|--------------|----------|------|-----|------|-----|-----|-----|--------|----|------|------|------|-------|-------------|----------|------|-----|-------|-----|-----|-----|--------|----|------|------|------|-------|--------------|----------|------|-----|-------|-----|-----|-----|--------|----|------|------|------|-------|-------------|----------|------|-----|-------|-----|-----|-----|--------|----|------|------|------|-------|--------------|
| EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                                     |                   |                           |          |          |                            | EMI 2005.10.11             |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Field Strength of Spurious Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |             |                   |                                     |                   |                           |          |          |                            | Work Order: ILGX0264       |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Serial Number: 001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |             |                   |                                     |                   |                           |          |          |                            | Date: 10/19/05             |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Customer: GE Security, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |             |                   |                                     |                   |                           |          |          |                            | Temperature: 24            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            | Humidity: 45%              |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |             |                   |                                     |                   |                           |          |          |                            | Barometric Pressure: 30.04 |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Tested by: Holly Ashkannejhad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |             |                   |                                     |                   |                           |          |          |                            | Power: 15VDC               |                    | Job Site: EV01         |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| FCC 15.249(a) Spurious Radiated Emissions:2005-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |             |                   |                                     |                   |                           |          |          |                            | Test Method                |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            | ANSI C63.4:2003            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| TEST PARAMETERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Antenna Height(s) (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |             |                   |                                     |                   |                           |          |          |                            | 1 - 4                      |                    | Test Distance (m)      |              | 3          |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| EUT OPERATING MODES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Pulsed RF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| No deviations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Run #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  | 2           |                   | Signature <i>Holly Ashkannejhad</i> |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  | Pass        |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| <table border="1"> <thead> <tr> <th>Freq (MHz)</th> <th>Amplitude (dBuV)</th> <th>Factor (dB)</th> <th>Azimuth (degrees)</th> <th>Height (meters)</th> <th>Distance (meters)</th> <th>External Attenuation (dB)</th> <th>Polarity</th> <th>Detector</th> <th>Pulse desensitization (dB)</th> <th>Adjusted dBuV/m</th> <th>Spec. Limit dBuV/m</th> <th>Compared to Spec. (dB)</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>5724.584</td> <td>55.1</td> <td>8.3</td> <td>15.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-Horn</td> <td>PK</td> <td>0.0</td> <td>63.4</td> <td>74.0</td> <td>-10.6</td> <td>EUT on side</td> </tr> <tr> <td>5724.931</td> <td>54.8</td> <td>8.3</td> <td>284.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>H-Horn</td> <td>PK</td> <td>0.0</td> <td>63.1</td> <td>74.0</td> <td>-10.9</td> <td>EUT vertical</td> </tr> <tr> <td>5875.208</td> <td>52.3</td> <td>8.6</td> <td>355.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-Horn</td> <td>PK</td> <td>0.0</td> <td>60.9</td> <td>74.0</td> <td>-13.1</td> <td>EUT on side</td> </tr> <tr> <td>5875.008</td> <td>51.2</td> <td>8.6</td> <td>285.0</td> <td>1.3</td> <td>3.0</td> <td>0.0</td> <td>H-Horn</td> <td>PK</td> <td>0.0</td> <td>59.8</td> <td>74.0</td> <td>-14.2</td> <td>EUT vertical</td> </tr> <tr> <td>5724.584</td> <td>55.1</td> <td>8.3</td> <td>15.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-Horn</td> <td>AV</td> <td>20.0</td> <td>43.4</td> <td>54.0</td> <td>-10.6</td> <td>EUT on side</td> </tr> <tr> <td>5724.931</td> <td>54.8</td> <td>8.3</td> <td>284.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>H-Horn</td> <td>AV</td> <td>20.0</td> <td>43.1</td> <td>54.0</td> <td>-10.9</td> <td>EUT vertical</td> </tr> <tr> <td>5875.208</td> <td>52.3</td> <td>8.6</td> <td>355.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-Horn</td> <td>AV</td> <td>20.0</td> <td>40.9</td> <td>54.0</td> <td>-13.1</td> <td>EUT on side</td> </tr> <tr> <td>5875.008</td> <td>51.2</td> <td>8.6</td> <td>285.0</td> <td>1.3</td> <td>3.0</td> <td>0.0</td> <td>H-Horn</td> <td>AV</td> <td>20.0</td> <td>39.8</td> <td>54.0</td> <td>-14.2</td> <td>EUT vertical</td> </tr> </tbody> </table> |                  |             |                   |                                     |                   |                           |          |          |                            |                            |                    |                        |              | Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments | 5724.584 | 55.1 | 8.3 | 15.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 63.4 | 74.0 | -10.6 | EUT on side | 5724.931 | 54.8 | 8.3 | 284.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 63.1 | 74.0 | -10.9 | EUT vertical | 5875.208 | 52.3 | 8.6 | 355.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 60.9 | 74.0 | -13.1 | EUT on side | 5875.008 | 51.2 | 8.6 | 285.0 | 1.3 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 59.8 | 74.0 | -14.2 | EUT vertical | 5724.584 | 55.1 | 8.3 | 15.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 20.0 | 43.4 | 54.0 | -10.6 | EUT on side | 5724.931 | 54.8 | 8.3 | 284.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 20.0 | 43.1 | 54.0 | -10.9 | EUT vertical | 5875.208 | 52.3 | 8.6 | 355.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 20.0 | 40.9 | 54.0 | -13.1 | EUT on side | 5875.008 | 51.2 | 8.6 | 285.0 | 1.3 | 3.0 | 0.0 | H-Horn | AV | 20.0 | 39.8 | 54.0 | -14.2 | EUT vertical |
| Freq (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters)                     | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m            | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments     |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5724.584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 55.1             | 8.3         | 15.0              | 1.0                                 | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 63.4                       | 74.0               | -10.6                  | EUT on side  |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5724.931                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 54.8             | 8.3         | 284.0             | 1.0                                 | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 63.1                       | 74.0               | -10.9                  | EUT vertical |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5875.208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 52.3             | 8.6         | 355.0             | 1.0                                 | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 60.9                       | 74.0               | -13.1                  | EUT on side  |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5875.008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.2             | 8.6         | 285.0             | 1.3                                 | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 59.8                       | 74.0               | -14.2                  | EUT vertical |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5724.584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 55.1             | 8.3         | 15.0              | 1.0                                 | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 43.4                       | 54.0               | -10.6                  | EUT on side  |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5724.931                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 54.8             | 8.3         | 284.0             | 1.0                                 | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 43.1                       | 54.0               | -10.9                  | EUT vertical |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5875.208                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 52.3             | 8.6         | 355.0             | 1.0                                 | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 40.9                       | 54.0               | -13.1                  | EUT on side  |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |
| 5875.008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.2             | 8.6         | 285.0             | 1.3                                 | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 39.8                       | 54.0               | -14.2                  | EUT vertical |            |                  |             |                   |                 |                   |                           |          |          |                            |                 |                    |                        |          |          |      |     |      |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |       |     |     |     |        |    |     |      |      |       |             |          |      |     |       |     |     |     |        |    |     |      |      |       |              |          |      |     |      |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |          |      |     |       |     |     |     |        |    |      |      |      |       |             |          |      |     |       |     |     |     |        |    |      |      |      |       |              |

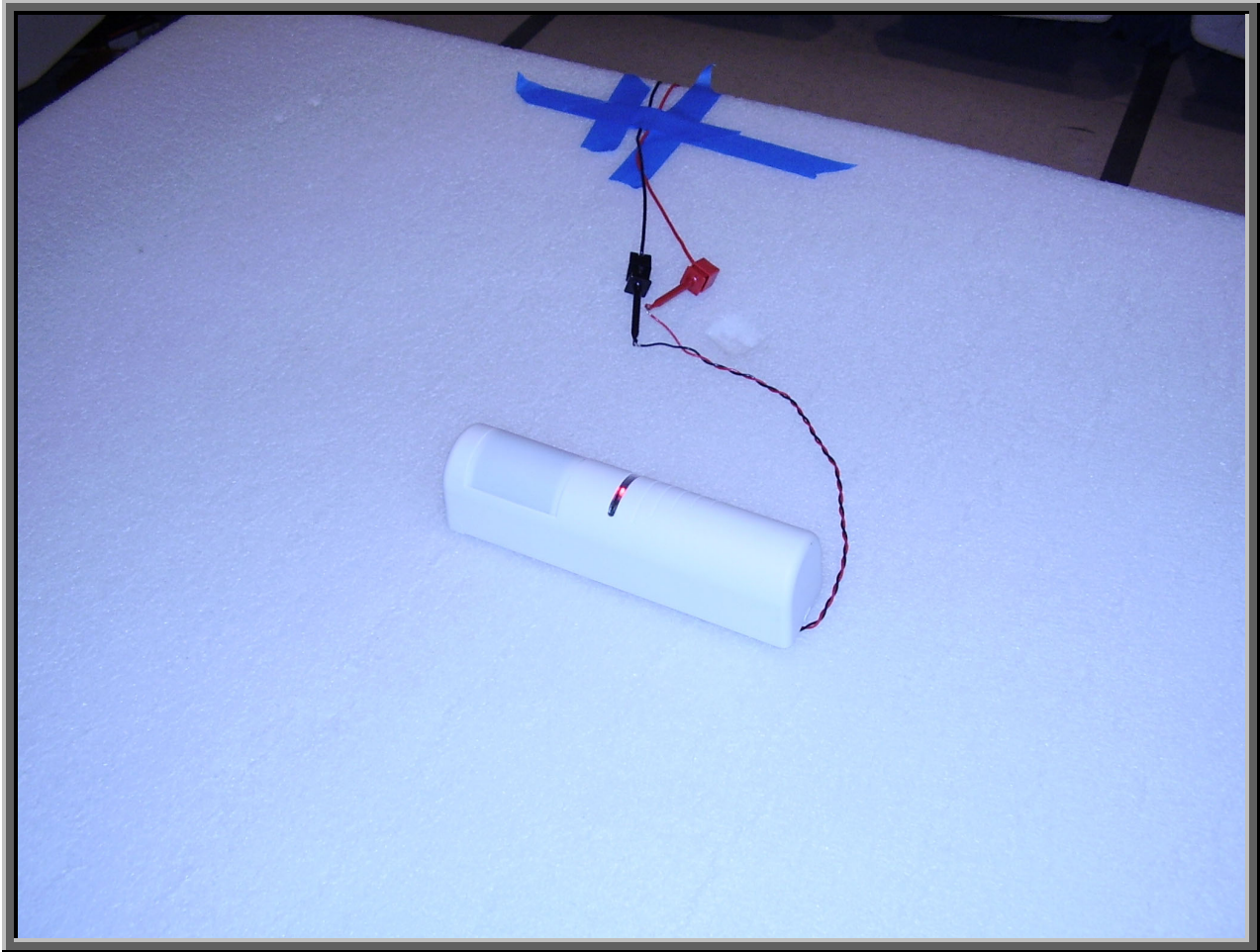
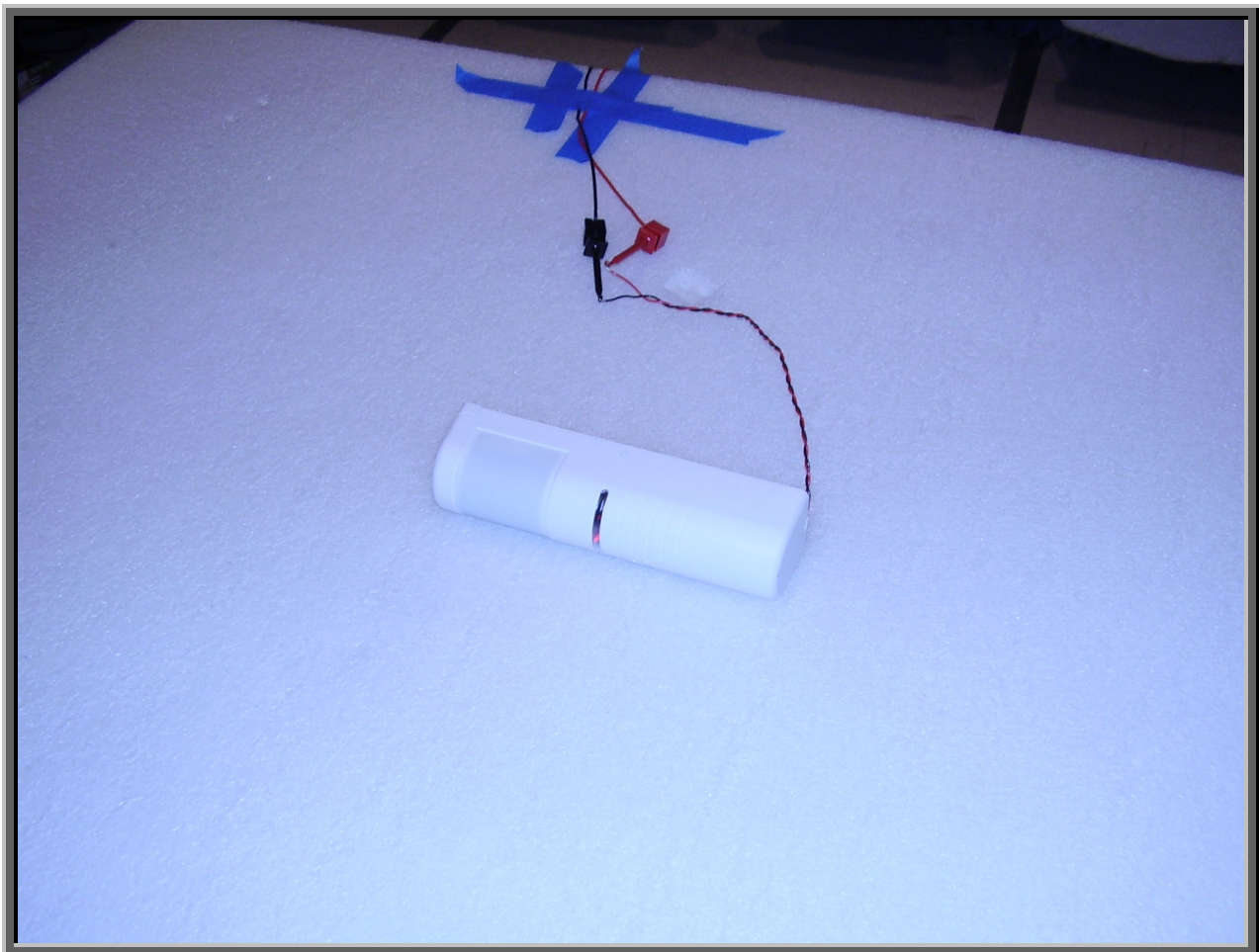
| NORTHWEST<br>EMC                                 |                  |             |                   |                                     |                   |                           |          |          |                            | Field Strength of Spurious Emissions |                    |                        |              |   | PSA 2005.10.04<br>EMI 2005.10.11 |  |
|--------------------------------------------------|------------------|-------------|-------------------|-------------------------------------|-------------------|---------------------------|----------|----------|----------------------------|--------------------------------------|--------------------|------------------------|--------------|---|----------------------------------|--|
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B             |                  |             |                   |                                     |                   |                           |          |          |                            | Work Order: ILGX0264                 |                    |                        |              |   |                                  |  |
| Serial Number: 001                               |                  |             |                   |                                     |                   |                           |          |          |                            | Date: 10/19/05                       |                    |                        |              |   |                                  |  |
| Customer: GE Security, Inc.                      |                  |             |                   |                                     |                   |                           |          |          |                            | Temperature: 24                      |                    |                        |              |   |                                  |  |
| Attendees: None                                  |                  |             |                   |                                     |                   |                           |          |          |                            | Humidity: 45%                        |                    |                        |              |   |                                  |  |
| Project: None                                    |                  |             |                   |                                     |                   |                           |          |          |                            | Barometric Pressure: 30.04           |                    |                        |              |   |                                  |  |
| Tested by: Holly Ashkannejhad                    |                  |             |                   |                                     |                   |                           |          |          |                            | Power: 15VDC                         |                    |                        |              |   | Job Site: EV01                   |  |
| TEST SPECIFICATIONS                              |                  |             |                   |                                     |                   |                           |          |          |                            | Test Method                          |                    |                        |              |   |                                  |  |
| FCC 15.249(a) Spurious Radiated Emissions:2005-9 |                  |             |                   |                                     |                   |                           |          |          |                            | ANSI C63.4:2003                      |                    |                        |              |   |                                  |  |
| TEST PARAMETERS                                  |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Antenna Height(s) (m)                            |                  |             |                   |                                     |                   |                           |          |          |                            | 1 - 4                                |                    | Test Distance (m)      |              | 3 |                                  |  |
| COMMENTS                                         |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| EUT OPERATING MODES                              |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Pulsed RF                                        |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| DEVIATIONS FROM TEST STANDARD                    |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| No deviations.                                   |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Run #                                            |                  | 3           |                   | Signature <i>Holly Ashkannejhad</i> |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Configuration #                                  |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Results                                          |                  | Pass        |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
|                                                  |                  |             |                   |                                     |                   |                           |          |          |                            |                                      |                    |                        |              |   |                                  |  |
| Freq (MHz)                                       | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters)                     | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m                      | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments     |   |                                  |  |
| 11517.470                                        | 34.9             | 16.0        | 315.0             | 1.0                                 | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 50.9                                 | 74.0               | -23.1                  | EUT on side  |   |                                  |  |
| 11521.050                                        | 34.7             | 16.0        | 102.0             | 2.0                                 | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 50.7                                 | 74.0               | -23.3                  | EUT vertical |   |                                  |  |
| 11517.470                                        | 34.9             | 16.0        | 315.0             | 1.0                                 | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 30.9                                 | 54.0               | -23.1                  | EUT on side  |   |                                  |  |
| 11521.050                                        | 34.7             | 16.0        | 102.0             | 2.0                                 | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 30.7                                 | 54.0               | -23.3                  | EUT vertical |   |                                  |  |

| NORTHWEST                                        |                  | Field Strength of Spurious Emissions |                   |                 |                   |                           |          |          |                            |                            |                    | PSA 2005.10.04<br>EMI 2005.10.11 |              |
|--------------------------------------------------|------------------|--------------------------------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|----------------------------|----------------------------|--------------------|----------------------------------|--------------|
| <b>EMC</b>                                       |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B             |                  |                                      |                   |                 |                   |                           |          |          |                            | Work Order: ILGX0264       |                    |                                  |              |
| Serial Number: 001                               |                  |                                      |                   |                 |                   |                           |          |          |                            | Date: 10/19/05             |                    |                                  |              |
| Customer: GE Security, Inc.                      |                  |                                      |                   |                 |                   |                           |          |          |                            | Temperature: 24            |                    |                                  |              |
| Attendees: None                                  |                  |                                      |                   |                 |                   |                           |          |          |                            | Humidity: 45%              |                    |                                  |              |
| Project: None                                    |                  |                                      |                   |                 |                   |                           |          |          |                            | Barometric Pressure: 30.04 |                    |                                  |              |
| Tested by: Holly Ashkannejhad                    |                  |                                      |                   |                 |                   |                           |          |          |                            | Power: 15VDC               |                    | Job Site: EV01                   |              |
| TEST SPECIFICATIONS                              |                  |                                      |                   |                 |                   |                           |          |          |                            | Test Method                |                    |                                  |              |
| FCC 15.249(a) Spurious Radiated Emissions:2005-9 |                  |                                      |                   |                 |                   |                           |          |          |                            | ANSI C63.4:2003            |                    |                                  |              |
| TEST PARAMETERS                                  |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Antenna Height(s) (m)                            |                  | 1 - 4                                |                   |                 |                   | Test Distance (m)         |          | 3        |                            |                            |                    |                                  |              |
| COMMENTS                                         |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| EUT OPERATING MODES                              |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Pulsed RF                                        |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| DEVIATIONS FROM TEST STANDARD                    |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| No deviations.                                   |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Run #                                            |                  | 4                                    |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Configuration #                                  |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Results                                          |                  | Pass                                 |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Signature <i>Holly Ashkannejhad</i>              |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
|                                                  |                  |                                      |                   |                 |                   |                           |          |          |                            |                            |                    |                                  |              |
| Freq (MHz)                                       | Amplitude (dBuV) | Factor (dB)                          | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m            | Spec. Limit dBuV/m | Compared to Spec. (dB)           | Comments     |
| 17272.200                                        | 32.0             | 18.1                                 | 162.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | PK       | 0.0                        | 50.1                       | 74.0               | -23.9                            | EUT on side  |
| 17276.890                                        | 31.8             | 18.1                                 | 100.0             | 1.3             | 3.0               | 0.0                       | H-Horn   | PK       | 0.0                        | 49.9                       | 74.0               | -24.1                            | EUT Vertical |
| 17272.200                                        | 32.0             | 18.1                                 | 162.0             | 1.0             | 3.0               | 0.0                       | V-Horn   | AV       | 20.0                       | 30.1                       | 54.0               | -23.9                            | EUT on side  |
| 17276.890                                        | 31.8             | 18.1                                 | 100.0             | 1.3             | 3.0               | 0.0                       | H-Horn   | AV       | 20.0                       | 29.9                       | 54.0               | -24.1                            | EUT Vertical |

| NORTHWEST<br>EMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |             |                   |                 |                   |                           |             |          |                            | Field Strength of Spurious Emissions |                    |                        |                   |                 |                   |                           |          |          |                            | PSA 2005.10.04<br>EMI 2005.10.11    |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|-------------|----------|----------------------------|--------------------------------------|--------------------|------------------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|----------------------------|-------------------------------------|--------------------|------------------------|----------|-----------|------|------|------|-----|-----|-----|-------------|----|-----|------|------|-------|-------------|-----------|------|------|------|-----|-----|-----|-------------|----|-----|------|------|-------|--------------|-----------|------|------|------|-----|-----|-----|-------------|----|------|------|------|-------|-------------|-----------|------|------|------|-----|-----|-----|-------------|----|------|------|------|-------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |             |                   |                 |                   |                           |             |          |                            | Work Order: ILGX0264                 |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Serial Number: 001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |             |                   |                 |                   |                           |             |          |                            | Date: 10/19/05                       |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Customer: GE Security, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |             |                   |                 |                   |                           |             |          |                            | Temperature: 24                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Attendees: None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |             |                   |                 |                   |                           |             |          |                            | Humidity: 45%                        |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project: None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                 |                   |                           |             |          |                            | Barometric Pressure: 30.04           |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tested by: Holly Ashkannejhad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                 |                   |                           |             |          |                            | Power: 15VDC                         |                    |                        |                   |                 |                   |                           |          |          |                            | Job Site: EV01                      |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TEST SPECIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |             |                   |                 |                   |                           |             |          |                            | Test Method                          |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FCC 15.249(a) Spurious Radiated Emissions:2005-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |             |                   |                 |                   |                           |             |          |                            | ANSI C63.4:2003                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TEST PARAMETERS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Antenna Height(s) (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |             |                   |                 |                   |                           |             |          |                            | 1 - 4                                |                    |                        |                   |                 |                   |                           |          |          |                            | Test Distance (m)                   |                    |                        |          |           |      |      |      |     |     | 3   |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| COMMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EUT OPERATING MODES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulsed RF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DEVIATIONS FROM TEST STANDARD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| No deviations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Run #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |             |                   |                 |                   |                           |             |          |                            | 5                                    |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Configuration #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |             |                   |                 |                   |                           |             |          |                            | Pass                                 |                    |                        |                   |                 |                   |                           |          |          |                            | Signature <i>Holly Ashkannejhad</i> |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |             |                   |                 |                   |                           |             |          |                            |                                      |                    |                        |                   |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Freq (MHz)</th> <th>Amplitude (dBuV)</th> <th>Factor (dB)</th> <th>Azimuth (degrees)</th> <th>Height (meters)</th> <th>Distance (meters)</th> <th>External Attenuation (dB)</th> <th>Polarity</th> <th>Detector</th> <th>Pulse desensitization (dB)</th> <th>Adjusted dBuV/m</th> <th>Spec. Limit dBuV/m</th> <th>Compared to Spec. (dB)</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>23036.460</td> <td>36.6</td> <td>11.6</td> <td>93.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-High Horn</td> <td>PK</td> <td>0.0</td> <td>48.2</td> <td>74.0</td> <td>-25.8</td> <td>EUT on side</td> </tr> <tr> <td>23036.330</td> <td>36.5</td> <td>11.6</td> <td>79.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>H-High Horn</td> <td>PK</td> <td>0.0</td> <td>48.1</td> <td>74.0</td> <td>-25.9</td> <td>EUT vertical</td> </tr> <tr> <td>23036.460</td> <td>36.6</td> <td>11.6</td> <td>93.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>V-High Horn</td> <td>AV</td> <td>20.0</td> <td>28.2</td> <td>54.0</td> <td>-25.8</td> <td>EUT on side</td> </tr> <tr> <td>23036.330</td> <td>36.5</td> <td>11.6</td> <td>79.0</td> <td>1.0</td> <td>3.0</td> <td>0.0</td> <td>H-High Horn</td> <td>AV</td> <td>20.0</td> <td>28.1</td> <td>54.0</td> <td>-25.9</td> <td>EUT vertical</td> </tr> </tbody> </table> |                  |             |                   |                 |                   |                           |             |          |                            | Freq (MHz)                           | Amplitude (dBuV)   | Factor (dB)            | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Pulse desensitization (dB) | Adjusted dBuV/m                     | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments | 23036.460 | 36.6 | 11.6 | 93.0 | 1.0 | 3.0 | 0.0 | V-High Horn | PK | 0.0 | 48.2 | 74.0 | -25.8 | EUT on side | 23036.330 | 36.5 | 11.6 | 79.0 | 1.0 | 3.0 | 0.0 | H-High Horn | PK | 0.0 | 48.1 | 74.0 | -25.9 | EUT vertical | 23036.460 | 36.6 | 11.6 | 93.0 | 1.0 | 3.0 | 0.0 | V-High Horn | AV | 20.0 | 28.2 | 54.0 | -25.8 | EUT on side | 23036.330 | 36.5 | 11.6 | 79.0 | 1.0 | 3.0 | 0.0 | H-High Horn | AV | 20.0 | 28.1 | 54.0 | -25.9 | EUT vertical |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Freq (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Amplitude (dBuV) | Factor (dB) | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity    | Detector | Pulse desensitization (dB) | Adjusted dBuV/m                      | Spec. Limit dBuV/m | Compared to Spec. (dB) | Comments          |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23036.460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.6             | 11.6        | 93.0              | 1.0             | 3.0               | 0.0                       | V-High Horn | PK       | 0.0                        | 48.2                                 | 74.0               | -25.8                  | EUT on side       |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23036.330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.5             | 11.6        | 79.0              | 1.0             | 3.0               | 0.0                       | H-High Horn | PK       | 0.0                        | 48.1                                 | 74.0               | -25.9                  | EUT vertical      |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23036.460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.6             | 11.6        | 93.0              | 1.0             | 3.0               | 0.0                       | V-High Horn | AV       | 20.0                       | 28.2                                 | 54.0               | -25.8                  | EUT on side       |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23036.330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 36.5             | 11.6        | 79.0              | 1.0             | 3.0               | 0.0                       | H-High Horn | AV       | 20.0                       | 28.1                                 | 54.0               | -25.9                  | EUT vertical      |                 |                   |                           |          |          |                            |                                     |                    |                        |          |           |      |      |      |     |     |     |             |    |     |      |      |       |             |           |      |      |      |     |     |     |             |    |     |      |      |       |              |           |      |      |      |     |     |     |             |    |      |      |      |       |             |           |      |      |      |     |     |     |             |    |      |      |      |       |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |







**Justification**

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

**Channels in Specified Band Investigated:**

Typical

**Operating Modes Investigated:**

Typical

**Data Rates Investigated:**

Typical

**Output Power Setting(s) Investigated:**

Maximum

**Power Input Settings Investigated:**

15 VDC

**Software\Firmware Applied During Test**

| Exercise software | N/A | Version | N/A |
|-------------------|-----|---------|-----|
| Description       |     |         |     |
| N/A               |     |         |     |

**EUT and Peripherals**

| Description           | Manufacturer                          | Model/Part Number                   | Serial Number |
|-----------------------|---------------------------------------|-------------------------------------|---------------|
| EUT - Motion Detector | GE Security, Inc.                     | RCR-REX-W<br>RCR-REX-G<br>RCR-REX-B | 001           |
| DC Power Supply       | Topward Electric Instruments Co. Ltd. | TPS 2000                            | Unknown       |

**Cables**

| Cable Type | Shield | Length (m) | Ferrite | Connection 1          | Connection 2    |
|------------|--------|------------|---------|-----------------------|-----------------|
| DC Leads   | No     | 1.3        | No      | EUT - Motion Detector | DC Power Supply |
| AC Power   | No     | 1.8        | No      | DC Power Supply       | AC Mains        |

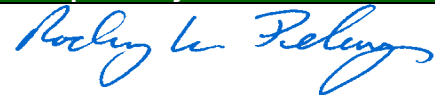
**Measurement Equipment**

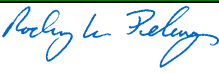
| Description       | Manufacturer | Model                | Identifier | Last Cal   | Interval |
|-------------------|--------------|----------------------|------------|------------|----------|
| Spectrum Analyzer | Agilent      | E4446A               | AAQ        | 06/15/2005 | 13 mo    |
| Antenna, Horn     | EMCO         | 3115                 | AHC        | 08/30/2005 | 12 mo    |
| Pre-Amplifier     | Miteq        | AMF-4D-005180-24-10P | APJ        | 05/05/2005 | 3 mo     |

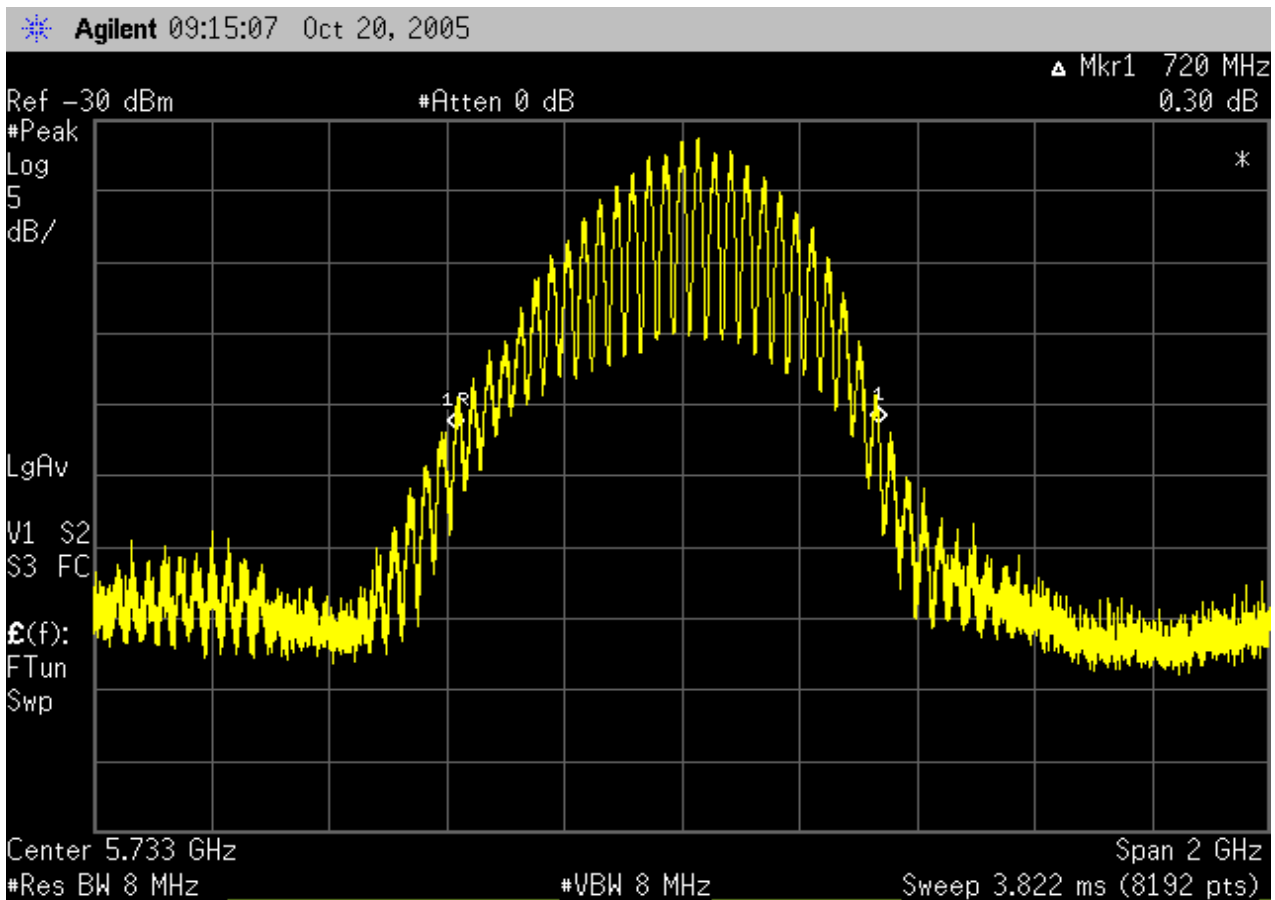
**Test Description**

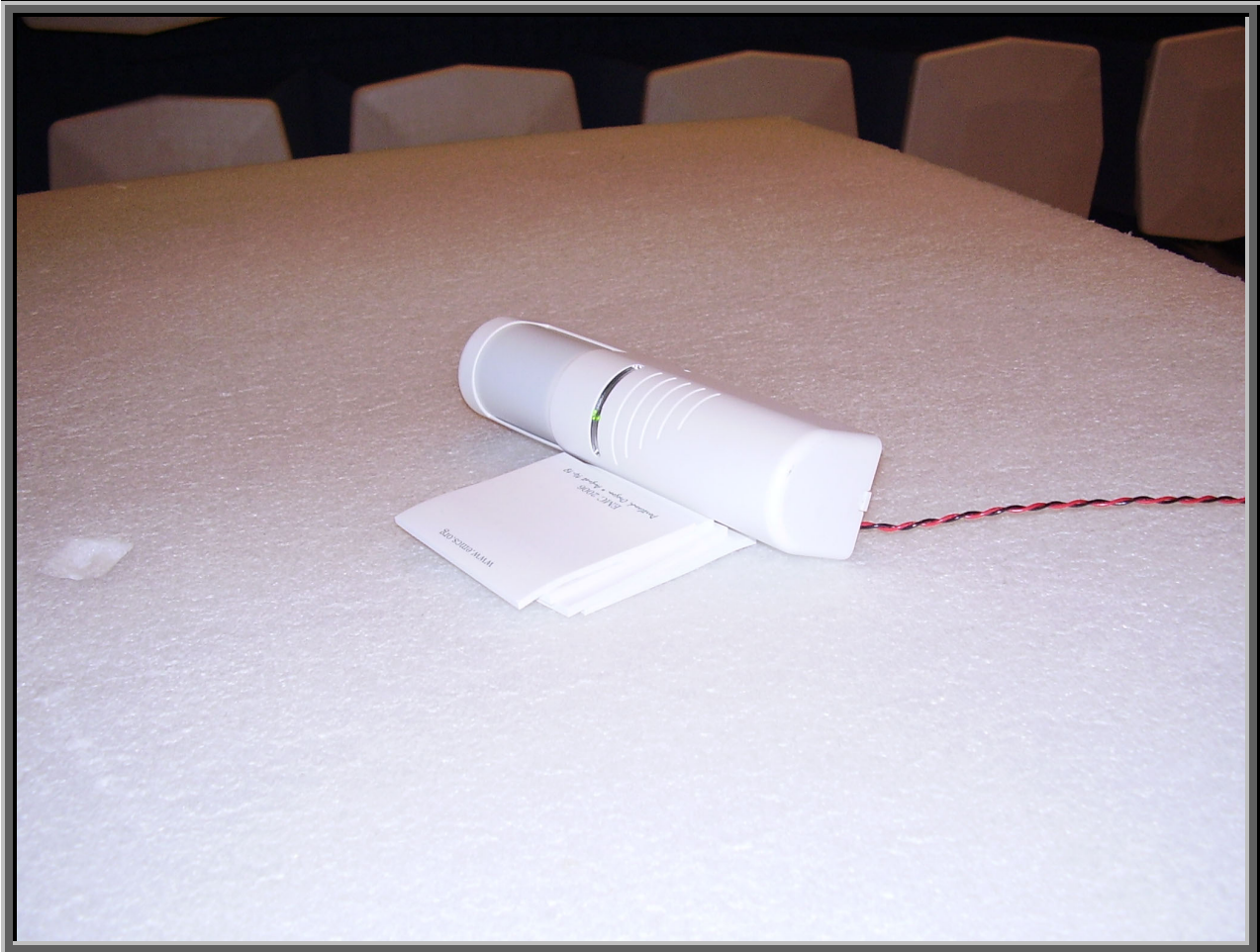
**Requirement:** Per RSS-Gen, Issue 1, September 2005, section 4.4.1 the 99% occupied bandwidth of the transmitted signal is to be reported.

**Configuration:** The occupied bandwidth was measured with the EUT set to the transmit signal. The occupied bandwidth was measured by marking the frequencies at which the signal was 20 dB down from the peak of the transmitted signal. The distance between the lower and upper frequencies of the 20 dB down point was measured and reported. Due to the EUT having an integral antenna, the measurement was made as a radiated measurement using a spectrum analyzer, preamp, and horn antenna. The EUT was transmitting using its typical modulation.

**Completed by:**

| NORTHWEST<br>EMC                                                                                      |  | OCCUPIED BANDWIDTH      |                      | Rev BETA<br>01/30/01              |  |
|-------------------------------------------------------------------------------------------------------|--|-------------------------|----------------------|-----------------------------------|--|
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B                                                                  |  |                         | Work Order: ILGX0264 |                                   |  |
| Serial Number: 001                                                                                    |  |                         | Date: 10/20/05       |                                   |  |
| Customer: GE Security, Inc.                                                                           |  |                         | Temperature: 70 °F   |                                   |  |
| Attendees: None                                                                                       |  | Tested by: Rod Peloquin |                      | Humidity: 49% RH                  |  |
| Customer Ref. No.: None                                                                               |  | Power: 120VAC/60Hz      |                      | Job Site: EV01                    |  |
| TEST SPECIFICATIONS                                                                                   |  |                         |                      |                                   |  |
| Specification: RSS-Gen, issue 1, 4.1                                                                  |  | Year: 2005              |                      | Method: RSS-Gen 1, issue 1, 4.4.1 |  |
|                                                                                                       |  |                         |                      | Year: 2005                        |  |
| SAMPLE CALCULATIONS                                                                                   |  |                         |                      |                                   |  |
|                                                                                                       |  |                         |                      |                                   |  |
| COMMENTS                                                                                              |  |                         |                      |                                   |  |
| Measured with 1m radiated test distance                                                               |  |                         |                      |                                   |  |
| EUT OPERATING MODES                                                                                   |  |                         |                      |                                   |  |
| Modulated 40 kbps data rate                                                                           |  |                         |                      |                                   |  |
| DEVIATIONS FROM TEST STANDARD                                                                         |  |                         |                      |                                   |  |
| None                                                                                                  |  |                         |                      |                                   |  |
| REQUIREMENTS                                                                                          |  |                         |                      |                                   |  |
| Per RSS-Gen section 4.4.1 the occupied bandwidth of the transmitted signal is to be reported.         |  |                         |                      |                                   |  |
| RESULTS                                                                                               |  |                         | BANDWIDTH            |                                   |  |
| Pass                                                                                                  |  |                         | 720 kHz              |                                   |  |
| SIGNATURE                                                                                             |  |                         |                      |                                   |  |
| <br>Tested By: _____ |  |                         |                      |                                   |  |
| DESCRIPTION OF TEST                                                                                   |  |                         |                      |                                   |  |
| 20dB Bandwidth                                                                                        |  |                         |                      |                                   |  |





**Justification**

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. All of the EUT parameters listed below were investigated. This includes, but may not be limited to, CPU speeds, video resolution settings, operational modes, and input voltages.

**Operating Modes Investigated:**

|                        |
|------------------------|
| Typical operating mode |
|------------------------|

**Operating Mode used for Final Test:**

|                        |
|------------------------|
| Typical operating mode |
|------------------------|

**Power Input Settings Investigated:**

|        |
|--------|
| 15 VDC |
|--------|

**Input Power Setting used for Final Test:**

|        |
|--------|
| 15 VDC |
|--------|

**Frequency Range Investigated**

|                        |        |                       |       |
|------------------------|--------|-----------------------|-------|
| <b>Start Frequency</b> | 30 MHz | <b>Stop Frequency</b> | 1 GHz |
|------------------------|--------|-----------------------|-------|

**Software\Firmware Applied During Test**

|                          |     |                |     |
|--------------------------|-----|----------------|-----|
| <b>Operating system</b>  | N/A | <b>Version</b> | N/A |
| <b>Exercise software</b> | N/A | <b>Version</b> | N/A |

**Description**

|     |
|-----|
| N/A |
|-----|

**EUT and Peripherals in Test Setup Boundary**

| Description           | Manufacturer                          | Model/Part Number                   | Serial Number |
|-----------------------|---------------------------------------|-------------------------------------|---------------|
| EUT - Motion Detector | GE Security, Inc.                     | RCR-REX-W<br>RCR-REX-G<br>RCR-REX-B | 001           |
| DC Power Supply       | Topward Electric Instruments Co. Ltd. | TPS 2000                            | Unknown       |

**Cables**

| Cable Type | Shield | Length (m) | Ferrite | Connection 1          | Connection 2    |
|------------|--------|------------|---------|-----------------------|-----------------|
| DC Leads   | No     | 1.3        | No      | EUT - Motion Detector | DC Power Supply |
| AC Power   | No     | 1.8        | No      | DC Power Supply       | AC Mains        |

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

**Measurement Equipment**

| Description        | Manufacturer | Model        | Identifier | Last Cal   | Interval |
|--------------------|--------------|--------------|------------|------------|----------|
| Spectrum Analyzer  | Agilent      | E4446A       | AAQ        | 06/15/2005 | 13 mo    |
| Antenna, Biconilog | EMCO         | 3141         | AXE        | 12/03/2003 | 24 mo    |
| Pre-Amplifier      | Miteq        | AM-1616-1000 | AOL        | 08/02/2005 | 13 mo    |

## Test Description

The final radiated emissions test was performed using the parameters described above as worst case. That final test was conducted at a facility that meets the ANSI C63.4 NSA requirements. The frequency range noted in the data sheets was scanned/tested at that facility. Emissions were maximized as specified, by maximizing table azimuth, antenna height, and cable manipulation.

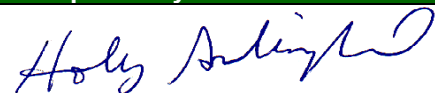
Using the mode of operation and configuration noted within this report, a final radiated emissions test was performed. The frequency range investigated (scanned), is also noted in this report. Radiated emissions measurements were made at the EUT azimuth and antenna height such that the maximum radiated emissions level will be detected. This requires the use of a turntable and an antenna positioner. The preferred method of a continuous azimuth search is utilized for frequency scans of the EUT field strength with both polarities of the measuring antenna. A calibrated, linearly polarized antenna was positioned at the specified distance from the periphery of the EUT.

*Note: The specified distance is the horizontal separation between the closest periphery of the EUT and the center of the axis of the elements of the receiving antenna. However, if the receiving antenna is a log-periodic array, the specified distance shall be the distance between the closest periphery of the EUT and the front-to-back center of the array of elements.*

Tests were made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement was varied in height above the conducting ground plane to obtain the maximum signal strength. Though specified in the report, the measurement distance shall be 1 meter, 3 meters, 5 meters, 10 meters, or 30 meters. At any measurement distance, the antenna height was varied from 1 meter to 4 meters. These height scans apply for both horizontal and vertical polarization, except that for vertical polarization the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the antenna clears the ground surface by at least 25 cm.

| Measurement Bandwidths                                                                         |                 |                       |                    |
|------------------------------------------------------------------------------------------------|-----------------|-----------------------|--------------------|
| Frequency Range (MHz)                                                                          | Peak Data (kHz) | Quasi-Peak Data (kHz) | Average Data (kHz) |
| 0.01 – 0.15                                                                                    | 1.0             | 0.2                   | 0.2                |
| 0.15 – 30.0                                                                                    | 10.0            | 9.0                   | 9.0                |
| 30.0 - 1000                                                                                    | 100.0           | 120.0                 | 120.0              |
| Above 1000                                                                                     | 1000.0          | N/A                   | 1000.0             |
| Measurements were made using the bandwidths and detectors specified. No video filter was used. |                 |                       |                    |

Completed by:



| NORTHWEST                            |                  | EMI 2005.10.11                       |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
|--------------------------------------|------------------|--------------------------------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|
| <b>EMC</b>                           |                  | <b>RADIATED EMISSIONS DATA SHEET</b> |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| EUT: RCR-REX-W, RCR-REX-G, RCR-REX-B |                  | Work Order: ILGX0264                 |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Serial Number: 001                   |                  | Date: 10/19/05                       |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Customer: GE Security, Inc.          |                  | Temperature: 24                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Attendees: None                      |                  | Humidity: 45%                        |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Project: None                        |                  | Barometric Pressure: 30.04           |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Tested by: Holly Ashkannejhad        |                  | Power: 15VDC                         |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
|                                      |                  | Job Site: EV01                       |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| TEST SPECIFICATIONS                  |                  | Test Method                          |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| FCC 15.109(a) Class B:2005-10        |                  | ANSI C63.4:2003                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| TEST PARAMETERS                      |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Antenna Height(s) (m)                | 1 - 4            | Test Distance (m)                    | 3                 |                 |                   |                           |          |          |                          |                 |                    |                        |
| COMMENTS                             |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| EUT OPERATING MODES                  |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Pulsed RF                            |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| DEVIATIONS FROM TEST STANDARD        |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| No deviations.                       |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Run #                                | 1                | Signature <i>Holly Ashkannejhad</i>  |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Configuration #                      | 1                |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Results                              | Pass             |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
|                                      |                  |                                      |                   |                 |                   |                           |          |          |                          |                 |                    |                        |
| Freq (MHz)                           | Amplitude (dBuV) | Factor (dB)                          | Azimuth (degrees) | Height (meters) | Distance (meters) | External Attenuation (dB) | Polarity | Detector | Distance Adjustment (dB) | Adjusted dBuV/m | Spec. Limit dBuV/m | Compared to Spec. (dB) |
| 921.295                              | 18.1             | 11.1                                 | 79.0              | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 29.2            | 46.0               | -16.8                  |
| 921.170                              | 17.7             | 11.1                                 | 294.0             | 1.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 28.8            | 46.0               | -17.2                  |
| 726.548                              | 18.6             | 9.1                                  | 235.0             | 2.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 27.7            | 46.0               | -18.3                  |
| 726.368                              | 18.1             | 9.1                                  | 154.0             | 2.3             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 27.2            | 46.0               | -18.8                  |
| 662.193                              | 19.4             | 7.6                                  | 41.0              | 1.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 27.0            | 46.0               | -19.0                  |
| 662.245                              | 18.0             | 7.6                                  | 121.0             | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 25.6            | 46.0               | -20.4                  |
| 48.559                               | 22.3             | -4.5                                 | 298.0             | 1.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 17.8            | 40.0               | -22.2                  |
| 466.630                              | 18.3             | 4.5                                  | 350.0             | 1.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 22.8            | 46.0               | -23.2                  |
| 466.459                              | 18.2             | 4.5                                  | 106.0             | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 22.7            | 46.0               | -23.3                  |
| 48.775                               | 18.4             | -4.5                                 | 205.0             | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 13.9            | 40.0               | -26.1                  |
| 321.188                              | 19.3             | 0.6                                  | 2.0               | 2.4             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 19.9            | 46.0               | -26.1                  |
| 321.283                              | 19.1             | 0.6                                  | 298.0             | 1.4             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 19.7            | 46.0               | -26.3                  |
| 203.026                              | 19.7             | -3.0                                 | 277.0             | 3.0             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 16.7            | 43.5               | -26.8                  |
| 203.096                              | 19.3             | -3.0                                 | 271.0             | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 16.3            | 43.5               | -27.2                  |
| 97.525                               | 19.3             | -6.3                                 | 345.0             | 3.3             | 3.0               | 0.0                       | V-Bilog  | PK       | 0.0                      | 13.0            | 43.5               | -30.5                  |
| 97.489                               | 19.0             | -6.3                                 | 164.0             | 1.0             | 3.0               | 0.0                       | H-Bilog  | PK       | 0.0                      | 12.7            | 43.5               | -30.8                  |

