

Cameron Health, Inc.

SQ-RX Pulse Generator

June 26, 2008

Report No. CAME0008

Report Prepared By



www.nwemc.com
1-888-EMI-CERT

© 2008 Northwest EMC, Inc

EMC Test Report



22975 NW Evergreen Parkway
Suite 400
Hillsboro, Oregon 97124

Certificate of Test
Issue Date: June 26, 2008
Cameron Health, Inc.
Model: SQ-RX Pulse Generator

| Emissions | | | |
|--------------------------------------|-----------------|-------------------------|-----------|
| Test Description | Specification | Test Method | Pass/Fail |
| Field Strength of Radiated Emissions | FCC 95I:2007 | ANSI/TIA/EIA-603-C-2004 | Pass |
| Receiver Spurious Emissions | FCC 15.209:2007 | ANSI C63.4:2003 | Pass |
| Field Strength of Fundamental | FCC 95I:2007 | ANSI/TIA/EIA-603-C-2004 | Pass |
| Occupied Bandwidth | FCC 95I:2007 | ANSI/TIA/EIA-603-C-2004 | Pass |
| Emission Mask | FCC 95I:2007 | ANSI/TIA/EIA-603-C-2004 | Pass |
| Frequency Stability | FCC 95I:2007 | ANSI/TIA/EIA-603-C-2004 | Pass |

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.
41 Tesla Ave.
Irvine, CA 92618

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 (Site Filing #2834B).

Approved By:

Ethan Schoonover, Sultan Lab Manager



NVLAP Lab Code: 200676-0

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.

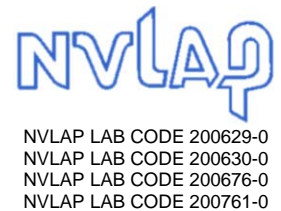
Product compliance is the responsibility of the client, therefore the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. This Report may only be duplicated in its entirety. The results of this test pertain only to the sample(s) tested. 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 accredited 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 2004/108/EC, and ANSI C63.4. 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. USA0604C.



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).



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, R-1025, C-2687, T-289, and R-2318, Irvine: R-1943, C-2766, and T-298, Sultan: R-871, C-1784, and T-294.*)



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 (US0017). 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



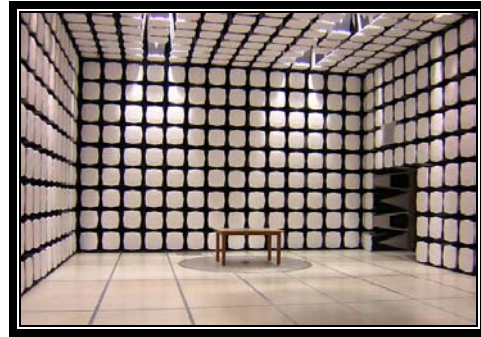
MIC: Northwest EMC, Inc is a CAB designated by MRA partners and recognized by Korea. (*Assigned Lab Numbers: Hillsboro: US0017, Irvine: US0158, Sultan: US0157*)



SCOPE

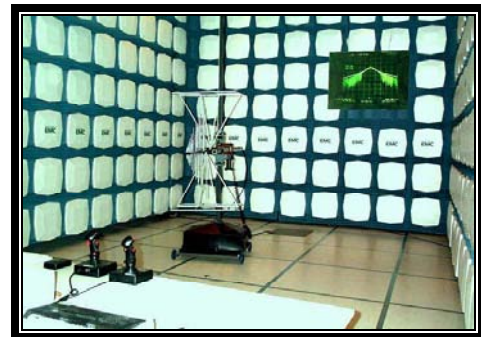
For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>



**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 – EV11**

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



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

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

Party Requesting the Test

| | |
|---------------------------------|------------------------|
| Company Name: | Cameron Health, Inc. |
| Address: | 229 Avenida Fabricante |
| City, State, Zip: | San Clemente, CA 92672 |
| Test Requested By: | Paul Erlinger |
| Model: | SQ-RX Pulse Generator |
| First Date of Test: | June 11, 2008 |
| Last Date of Test: | June 24, 2008 |
| Receipt Date of Samples: | June 11, 2008 |
| Equipment Design Stage: | Production |
| Equipment Condition: | No Damage |

Information Provided by the Party Requesting the Test

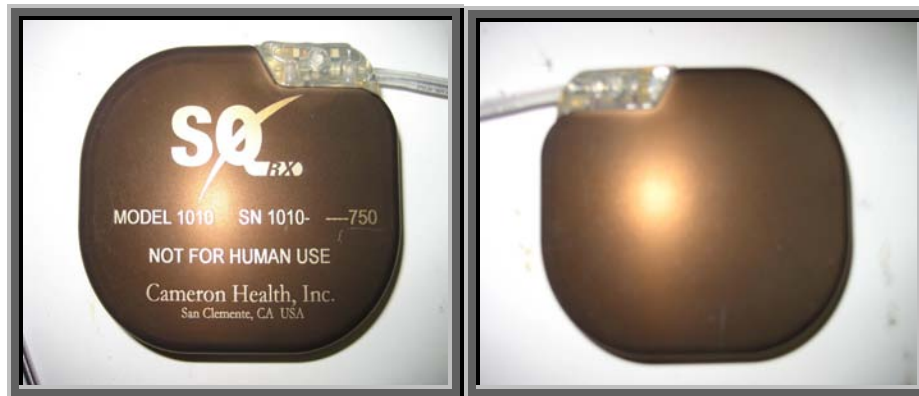
Functional Description of the EUT (Equipment Under Test):

Pulse Generator

Testing Objective:

These tests were selected to satisfy the EMC requirements requested by the client.

EUT Photo



CONFIGURATION 1 CAME0008

| EUT | | | |
|-----------------------|----------------------|--------------------------|----------------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| SQ-RX Pulse Generator | Cameron Health, Inc. | 1010 | 1010-153-750 |

| Peripherals in test setup boundary | | | |
|---|----------------------|--------------------------|----------------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| Q-Tech Programmer 2020 | Cameron Health, Inc | 2020 | 2020-A100118 |
| Power Supply | ELPAC Power Systems | MW2415 | 002173 |
| Wand Antenna | Cameron Health, Inc. | 4510 | None |

| Cables | | | | | |
|--|---------------|-------------------|----------------|------------------------|------------------------|
| Cable Type | Shield | Length (m) | Ferrite | Connection 1 | Connection 2 |
| AC Cable | No | 1.7m | No | Power Supply | AC Mains |
| DC Cable | No | 1.7m | No | Power Supply | Q-Tech Programmer 2020 |
| Wand Antenna | No | 3m | No | Q-Tech Programmer 2020 | Wand Antenna |
| PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown. | | | | | |

CONFIGURATION 3 CAME0008

| EUT | | | |
|-----------------------|----------------------|--------------------------|----------------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| SQ-RX Pulse Generator | Cameron Health, Inc. | 1010 | 1010-153-750 |

| Peripherals in test setup boundary | | | |
|---|----------------------|--------------------------|----------------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| Human Torso Test Fixture | Cameron Health, Inc. | None | None |

| Remote Equipment Outside of Test Setup Boundary | | | |
|--|----------------------|--------------------------|----------------------|
| Description | Manufacturer | Model/Part Number | Serial Number |
| Q-Tech Programmer 2020 | Cameron Health, Inc | 2020 | 2020-A100118 |
| Power Supply | ELPAC Power Systems | MW2415 | 002173 |
| Wand Antenna | Cameron Health, Inc. | 4510 | None |

| Cables | | | | | |
|--|---------------|-------------------|----------------|-----------------------|---------------------|
| Cable Type | Shield | Length (m) | Ferrite | Connection 1 | Connection 2 |
| Electrode | No | .5m | No | SQ-RX Pulse Generator | Unterminated |
| PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown. | | | | | |

| Equipment modifications | | | | | |
|-------------------------|-----------|--------------------------------------|--------------------------------------|---|---|
| Item | Date | Test | Modification | Note | Disposition of EUT |
| 1 | 6/11/2008 | Emission Mask | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 2 | 6/11/2008 | Occupied Bandwidth | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 3 | 6/12/2008 | Receiver Spurious Emissions | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 4 | 6/12/2008 | Frequency Stability | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 5 | 6/24/2008 | Field Strength of Fundamental | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 6 | 6/24/2008 | Field Strength of Radiated Emissions | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed. |

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Receive Mode.

MODE USED FOR FINAL DATA

Receive Mode.

POWER SETTINGS INVESTIGATED

Battery

POWER SETTINGS USED FOR FINAL DATA

Battery

FREQUENCY RANGE INVESTIGATED

| | | | |
|-----------------|--------|----------------|----------|
| Start Frequency | 30 MHz | Stop Frequency | 12.8 GHz |
|-----------------|--------|----------------|----------|

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|-----------------------------------|--------------|------------------------|-----|------------|----------|
| Pre-Amplifier | Miteq | AMF-6F-08001200-30-10P | AOE | 10/13/2006 | 24 |
| Antenna, Horn | ETS | 3160-07 | AHR | NCR | 0 |
| OC 10 Cables a, b, c, l Cables | | | OCO | 2/2/2008 | 13 |
| Pre-Amplifier | Miteq | AMF-4D-010120-30-10P-1 | AOP | 2/2/2008 | 13 |
| Antenna, Horn | EMCO | 3115 | AHB | 8/31/2007 | 24 |
| OC10 cables a,b,c,e,f Horn Cables | | | OCJ | 2/2/2008 | 13 |
| Antenna, Biconilog | EMCO | 3142 | AXJ | 2/25/2008 | 24 |
| OC10 cables a,b,c,d Bilog | | | OCH | 1/7/2008 | 13 |
| Pre-Amplifier | Miteq | AM-1616-1000 | AOM | 1/7/2008 | 13 |
| Spectrum Analyzer | Agilent | E4446A | AAQ | 12/14/2007 | 13 |

MEASUREMENT BANDWIDTHS

| | Frequency Range | Peak Data | Quasi-Peak Data | Average Data |
|--|-----------------|-----------|-----------------|--------------|
| | (MHz) | (kHz) | (kHz) | (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.

MEASUREMENT UNCERTAINTY


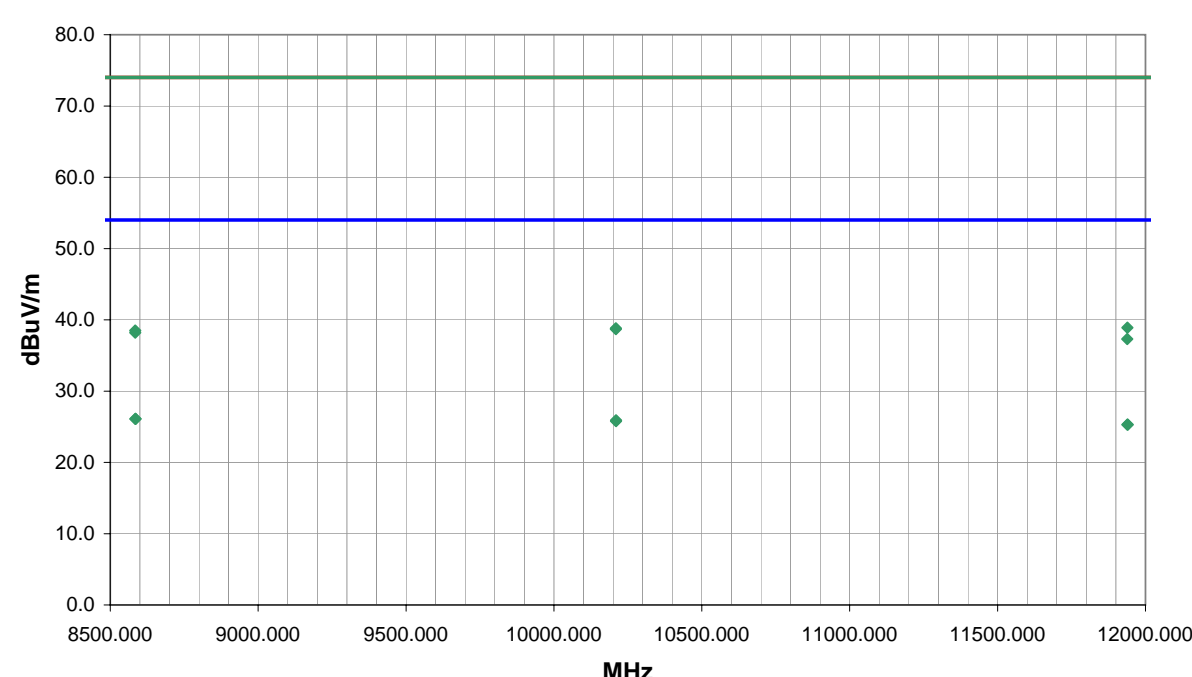
Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for mid channel receive frequency. For this configuration, the spectrum was scanned throughout the specified range. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization, and manipulating the EUT antenna in 3 orthogonal planes.

| NORTHWEST | | PSA 2007.05.07 EMI 2006.4.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--|-------------------|-----------------|-------------------|---------------------------|-------------------|-----------------|--------------------------|---------------------------|--------------------|------------------------|--------------------------|-----------------|--------------------|------------------------|---------|------|-----|-----|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|-----|-------|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|-----|-----|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|-----|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|-----|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|-----|-------|-----|-----|-----|---------|----|-----|------|------|-------|---------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|--------|------|------|-------|-----|-----|-----|---------|----|-----|------|------|-------|
| EMC | | RECEIVER SPURIOUS EMISSIONS DATA SHEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT: SQ-RX Pulse Generator | | Work Order: CAME0008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serial Number: 1010-153-750 | | Date: 06/12/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer: Cameron Health, Inc. | | Temperature: 21.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attendees: Paul Erlinger | | Humidity: 52% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project: None | | Barometric Pres.: 1011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tested by: Jaemi Suh | | Power: Battery | Job Site: 0C10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST SPECIFICATIONS | | Test Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FCC 15.209:2007 | | ANSI C63.4:2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receive Mode. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Run # | 1 | Signature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Configuration # | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <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>Distance Adjustment (dB)</th> <th>Adjusted dBuV/m</th> <th>Spec. Limit dBuV/m</th> <th>Compared to Spec. (dB)</th> </tr> </thead> <tbody> <tr><td>841.236</td><td>21.7</td><td>9.7</td><td>0.0</td><td>2.4</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>PK</td><td>0.0</td><td>31.4</td><td>46.0</td><td>-14.6</td></tr> <tr><td>44.468</td><td>28.4</td><td>-4.0</td><td>159.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>PK</td><td>0.0</td><td>24.4</td><td>40.0</td><td>-15.6</td></tr> <tr><td>44.507</td><td>28.2</td><td>-4.0</td><td>244.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>PK</td><td>0.0</td><td>24.2</td><td>40.0</td><td>-15.8</td></tr> <tr><td>606.488</td><td>21.9</td><td>6.9</td><td>213.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>PK</td><td>0.0</td><td>28.8</td><td>46.0</td><td>-17.2</td></tr> <tr><td>44.500</td><td>26.5</td><td>-4.0</td><td>244.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>QP</td><td>0.0</td><td>22.5</td><td>40.0</td><td>-17.5</td></tr> <tr><td>44.495</td><td>26.2</td><td>-4.0</td><td>159.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>QP</td><td>0.0</td><td>22.2</td><td>40.0</td><td>-17.8</td></tr> <tr><td>841.647</td><td>16.5</td><td>9.7</td><td>0.0</td><td>2.4</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>QP</td><td>0.0</td><td>26.2</td><td>46.0</td><td>-19.8</td></tr> <tr><td>382.712</td><td>22.7</td><td>2.0</td><td>247.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>PK</td><td>0.0</td><td>24.7</td><td>46.0</td><td>-21.3</td></tr> <tr><td>606.909</td><td>16.6</td><td>6.9</td><td>213.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>V-Bilog</td><td>QP</td><td>0.0</td><td>23.5</td><td>46.0</td><td>-22.5</td></tr> <tr><td>200.735</td><td>22.4</td><td>-4.3</td><td>254.0</td><td>2.6</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>PK</td><td>0.0</td><td>18.1</td><td>43.5</td><td>-25.4</td></tr> <tr><td>99.543</td><td>22.8</td><td>-6.0</td><td>233.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>PK</td><td>0.0</td><td>16.8</td><td>43.5</td><td>-26.7</td></tr> <tr><td>383.035</td><td>17.1</td><td>2.0</td><td>247.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>QP</td><td>0.0</td><td>19.1</td><td>46.0</td><td>-26.9</td></tr> <tr><td>199.830</td><td>16.7</td><td>-4.3</td><td>254.0</td><td>2.6</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>QP</td><td>0.0</td><td>12.4</td><td>43.5</td><td>-31.1</td></tr> <tr><td>99.643</td><td>16.8</td><td>-6.0</td><td>233.0</td><td>1.0</td><td>3.0</td><td>0.0</td><td>H-Bilog</td><td>QP</td><td>0.0</td><td>10.8</td><td>43.5</td><td>-32.7</td></tr> </tbody> </table> | | | | 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) | 841.236 | 21.7 | 9.7 | 0.0 | 2.4 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 31.4 | 46.0 | -14.6 | 44.468 | 28.4 | -4.0 | 159.0 | 1.0 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 24.4 | 40.0 | -15.6 | 44.507 | 28.2 | -4.0 | 244.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 24.2 | 40.0 | -15.8 | 606.488 | 21.9 | 6.9 | 213.0 | 1.0 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 28.8 | 46.0 | -17.2 | 44.500 | 26.5 | -4.0 | 244.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 22.5 | 40.0 | -17.5 | 44.495 | 26.2 | -4.0 | 159.0 | 1.0 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 22.2 | 40.0 | -17.8 | 841.647 | 16.5 | 9.7 | 0.0 | 2.4 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 26.2 | 46.0 | -19.8 | 382.712 | 22.7 | 2.0 | 247.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 24.7 | 46.0 | -21.3 | 606.909 | 16.6 | 6.9 | 213.0 | 1.0 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 23.5 | 46.0 | -22.5 | 200.735 | 22.4 | -4.3 | 254.0 | 2.6 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 18.1 | 43.5 | -25.4 | 99.543 | 22.8 | -6.0 | 233.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 16.8 | 43.5 | -26.7 | 383.035 | 17.1 | 2.0 | 247.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 19.1 | 46.0 | -26.9 | 199.830 | 16.7 | -4.3 | 254.0 | 2.6 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 12.4 | 43.5 | -31.1 | 99.643 | 16.8 | -6.0 | 233.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 10.8 | 43.5 | -32.7 |
| 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 841.236 | 21.7 | 9.7 | 0.0 | 2.4 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 31.4 | 46.0 | -14.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.468 | 28.4 | -4.0 | 159.0 | 1.0 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 24.4 | 40.0 | -15.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.507 | 28.2 | -4.0 | 244.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 24.2 | 40.0 | -15.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 606.488 | 21.9 | 6.9 | 213.0 | 1.0 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 28.8 | 46.0 | -17.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.500 | 26.5 | -4.0 | 244.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 22.5 | 40.0 | -17.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.495 | 26.2 | -4.0 | 159.0 | 1.0 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 22.2 | 40.0 | -17.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 841.647 | 16.5 | 9.7 | 0.0 | 2.4 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 26.2 | 46.0 | -19.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 382.712 | 22.7 | 2.0 | 247.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 24.7 | 46.0 | -21.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 606.909 | 16.6 | 6.9 | 213.0 | 1.0 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 23.5 | 46.0 | -22.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200.735 | 22.4 | -4.3 | 254.0 | 2.6 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 18.1 | 43.5 | -25.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99.543 | 22.8 | -6.0 | 233.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 16.8 | 43.5 | -26.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 383.035 | 17.1 | 2.0 | 247.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 19.1 | 46.0 | -26.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 199.830 | 16.7 | -4.3 | 254.0 | 2.6 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 12.4 | 43.5 | -31.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99.643 | 16.8 | -6.0 | 233.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 10.8 | 43.5 | -32.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| NORTHWEST EMC | | | | | | | | | | PSA 2007.05.07 EMI 2006.4.26 | | | |
|--|------------------|-------------|-------------------|--|-------------------|---------------------------|----------|-------------------|--------------------------|---------------------------------|--------------------|------------------------|--|
| RECEIVER SPURIOUS EMISSIONS DATA SHEET | | | | | | | | | | | | | |
| EUT: SQ-RX Pulse Generator | | | | | | | | | | Work Order: CAME0008 | | | |
| Serial Number: 1010-153-750 | | | | | | | | | | Date: 06/12/08 | | | |
| Customer: Cameron Health, Inc. | | | | | | | | | | Temperature: 21.43 | | | |
| Attendees: Paul Erlinger | | | | | | | | | | Humidity: 52% | | | |
| Project: None | | | | | | | | | | Barometric Pres.: 1011 | | | |
| Tested by: Jaemi Suh | | | | | | Power: Battery | | Job Site: 0C10 | | | | | |
| TEST SPECIFICATIONS | | | | | | | | | | | | | |
| FCC 15.209:2007 | | | | | | | | | | Test Method ANSI C63.4:2003 | | | |
| TEST PARAMETERS | | | | | | | | | | | | | |
| Antenna Height(s) (m) | | | | | | 1 - 4 | | Test Distance (m) | | 3 | | | |
| COMMENTS | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | | |
| Receive Mode. | | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | | |
| Run # | | 2 | | <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 20px;">Signature</div> </div> | | | | | | | | | |
| 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) | |
| 6960.309 | 25.0 | 16.3 | 187.0 | 1.9 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 41.3 | 54.0 | -12.7 | |
| 6960.689 | 25.0 | 16.3 | 16.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 41.3 | 54.0 | -12.7 | |
| 6958.487 | 37.8 | 16.3 | 16.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 54.1 | 74.0 | -19.9 | |
| 6958.106 | 37.7 | 16.3 | 187.0 | 1.9 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 54.0 | 74.0 | -20.0 | |
| 3612.539 | 24.0 | 8.5 | 51.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 32.5 | 54.0 | -21.5 | |
| 3612.768 | 24.0 | 8.5 | 147.0 | 3.5 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 32.5 | 54.0 | -21.5 | |
| 2020.605 | 24.4 | 5.6 | 276.0 | 2.8 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 30.0 | 54.0 | -24.0 | |
| 2021.179 | 24.3 | 5.6 | 160.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 29.9 | 54.0 | -24.1 | |
| 3612.553 | 36.8 | 8.5 | 147.0 | 3.5 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 45.3 | 74.0 | -28.7 | |
| 1318.048 | 25.9 | -1.3 | 360.0 | 1.6 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 24.6 | 54.0 | -29.4 | |
| 1318.289 | 25.9 | -1.3 | 78.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 24.6 | 54.0 | -29.4 | |
| 3613.527 | 36.1 | 8.5 | 51.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 44.6 | 74.0 | -29.4 | |
| 2020.202 | 37.3 | 5.6 | 160.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 42.9 | 74.0 | -31.1 | |
| 2019.658 | 36.7 | 5.6 | 276.0 | 2.8 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 42.3 | 74.0 | -31.7 | |
| 1319.061 | 38.4 | -1.3 | 360.0 | 1.6 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 37.1 | 74.0 | -36.9 | |
| 1319.133 | 38.3 | -1.3 | 78.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 37.0 | 74.0 | -37.0 | |

| NORTHWEST EMC | | RECEIVER SPURIOUS EMISSIONS DATA SHEET | | | | | | | | | | PSA 2007.05.07 EMI 2006.4.26 | |
|---|------------------|--|-------------------|--|--------------------|---------------------------|----------|----------|--------------------------|------------------------|--------------------|---------------------------------|--|
| EUT: SQ-RX Pulse Generator | | | | | | | | | | Work Order: CAME0008 | | | |
| Serial Number: 1010-153-750 | | | | | | | | | | Date: 06/12/08 | | | |
| Customer: Cameron Health, Inc. | | | | | | | | | | Temperature: 21.43 | | | |
| Attendees: Paul Erlinger | | | | | | | | | | Humidity: 52% | | | |
| Project: None | | | | | | | | | | Barometric Pres.: 1011 | | | |
| Tested by: Jaemi Suh | | | | | Power: 120VAC/60Hz | | | | | Job Site: 0C10 | | | |
| TEST SPECIFICATIONS | | | | | | | | | | Test Method | | | |
| FCC 15.209:2007 | | | | | | | | | | ANSI C63.4:2003 | | | |
| TEST PARAMETERS | | | | | | | | | | | | | |
| Antenna Height(s) (m) | | | | | 1 - 4 | | | | | Test Distance (m) | | 3 | |
| COMMENTS | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | | |
| Receive Mode. | | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | | |
| Run # | | 3 | | <div style="text-align: right;">  Signature </div> | | | | | | | | | |
| 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) | |
| 8584.935 | 35.3 | -9.2 | 130.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 26.1 | 54.0 | -27.9 | |
| 8585.534 | 35.3 | -9.2 | 16.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 26.1 | 54.0 | -27.9 | |
| 10210.170 | 34.5 | -8.6 | 266.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 25.9 | 54.0 | -28.1 | |
| 10209.730 | 34.4 | -8.6 | 208.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 25.8 | 54.0 | -28.2 | |
| 11939.040 | 34.3 | -9.0 | 305.0 | 1.0 | 3.0 | 0.0 | H-Horn | AV | 0.0 | 25.3 | 54.0 | -28.7 | |
| 11939.710 | 34.3 | -9.0 | 34.0 | 1.0 | 3.0 | 0.0 | V-Horn | AV | 0.0 | 25.3 | 54.0 | -28.7 | |
| 11939.140 | 47.9 | -9.0 | 305.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 38.9 | 74.0 | -35.1 | |
| 10209.570 | 47.4 | -8.6 | 208.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 38.8 | 74.0 | -35.2 | |
| 10209.280 | 47.3 | -8.6 | 266.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 38.7 | 74.0 | -35.3 | |
| 8584.374 | 47.7 | -9.2 | 130.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 38.5 | 74.0 | -35.5 | |
| 8584.276 | 47.4 | -9.2 | 16.0 | 1.0 | 3.0 | 0.0 | H-Horn | PK | 0.0 | 38.2 | 74.0 | -35.8 | |
| 11938.540 | 46.3 | -9.0 | 34.0 | 1.0 | 3.0 | 0.0 | V-Horn | PK | 0.0 | 37.3 | 74.0 | -36.7 | |



Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|-------------------|--------------|--------|-----|------------|----------|
| Spectrum Analyzer | Agilent | E4446A | AAQ | 12/14/2007 | 13 |

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION


Per 47 CFR 95.635(d)(4-5) the emission mask was measured. Emissions more than 150 kHz away from the center frequency must be attenuated below the transmitter output power by at least 20 dB. In addition, emissions 250 kHz or less above and below the MICS band (402-405 MHz) must be attenuated below the maximum permitted output power by at least 20 dB.

The emission mask was measured in the same configuration as radiated spurious emissions. All emissions measurements were made with the EUT placed in the tissue substitute material. First, the EUT orientation (horizontal or vertical), the turntable azimuth and measurement antenna height, were maximized to achieve the maximum field strength of the fundamental transmit frequency.

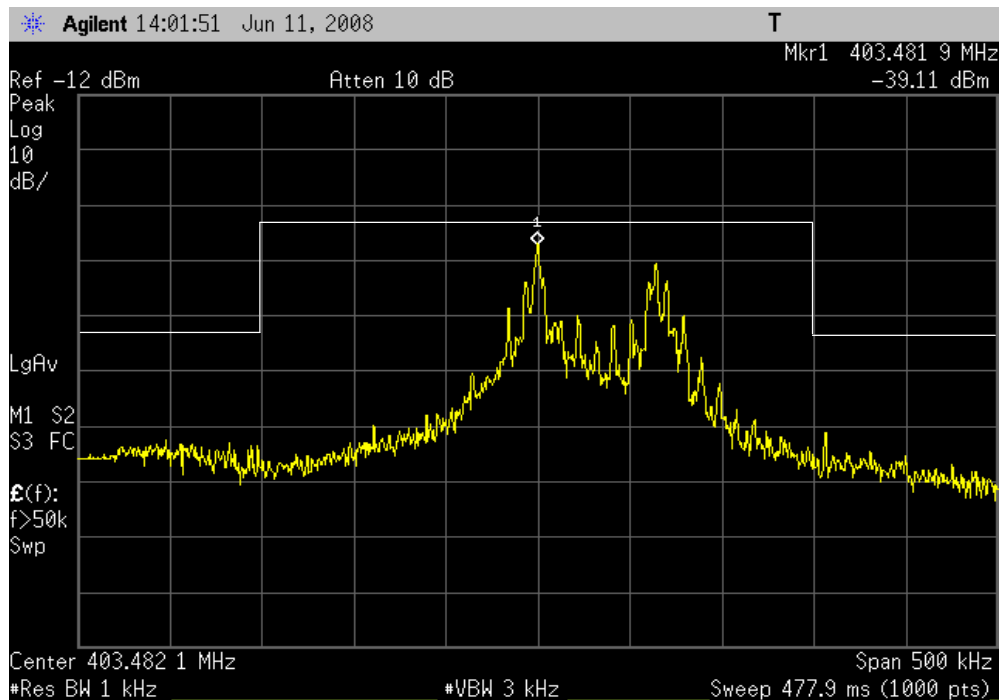
Then, a spectrum analyzer was used to measure the emission mask. A spectrum analyzer using a peak detector with no video filtering was used with a resolution bandwidth equal to approximately 1.0 percent of the emission bandwidth of the EUT. However, various plots were made using different frequency spans and resolution bandwidths in an attempt to not only satisfy the measurement criteria, but to also show that all emissions outside of the occupied band are greatly attenuated.

EMC

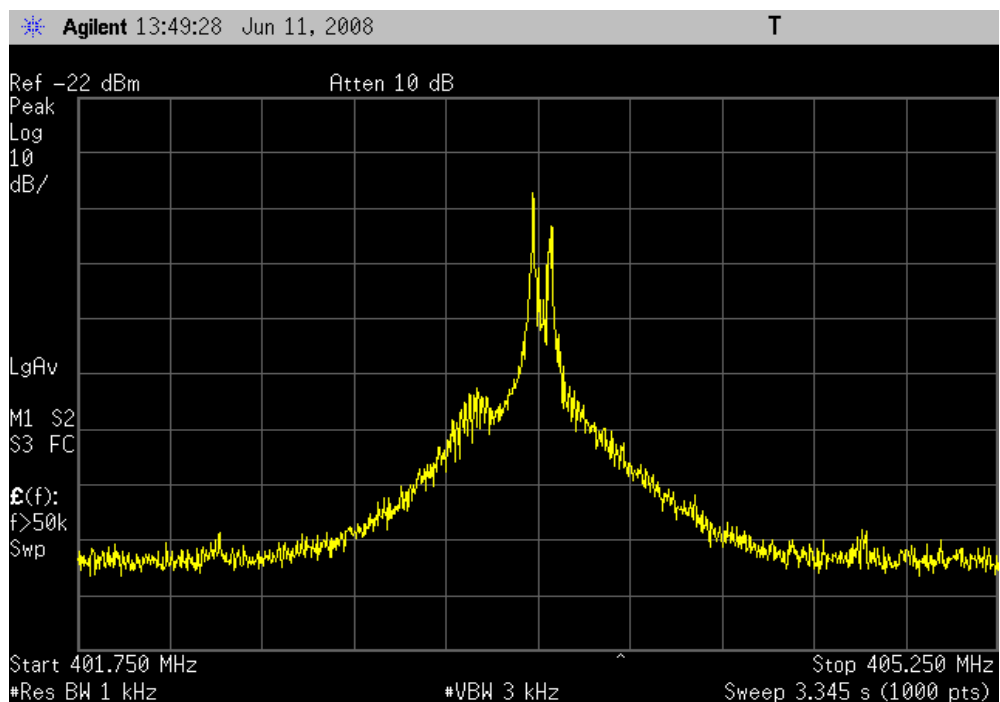
EMISSION MASK

| | | | |
|---------------------------------------|---|---|----------------|
| EUT: SQ-RX Pulse Generator | | Work Order: CAME0008 | |
| Serial Number: 1010-153-750 | | Date: 06/11/08 | |
| Customer: Cameron Health, Inc. | | Temperature: 21.43°C | |
| Attendees: Paul Erlinger | | Humidity: 52% | |
| Project: None | | Barometric Pres.: 1011 | |
| Tested by: Jaemi Suh | | Power: Battery | Job Site: 0C10 |
| TEST SPECIFICATIONS | | Test Method | |
| FCC 951:2007 | | ANSI/TIA/EIA-603-C-2004 | |
| COMMENTS | | | |
| None | | | |
| DEVIATIONS FROM TEST STANDARD | | | |
| None | | | |
| Configuration # | 1 | Signature  | |
| | | Value | Limit |
| 1 kHz RBW, +150 kHz fc | | ≤ -20 dBc | See Graph |
| 1 kHz RBW, +250 kHz of allowable band | | ≤ -20 dBc | See Graph |
| 3 kHz RBW, +150 kHz fc | | ≤ -20 dBc | See Graph |
| 3 kHz RBW, +250 kHz of allowable band | | ≤ -20 dBc | See Graph |
| | | | Results |
| | | | Pass |
| | | | Pass |
| | | | Pass |
| | | | Pass |

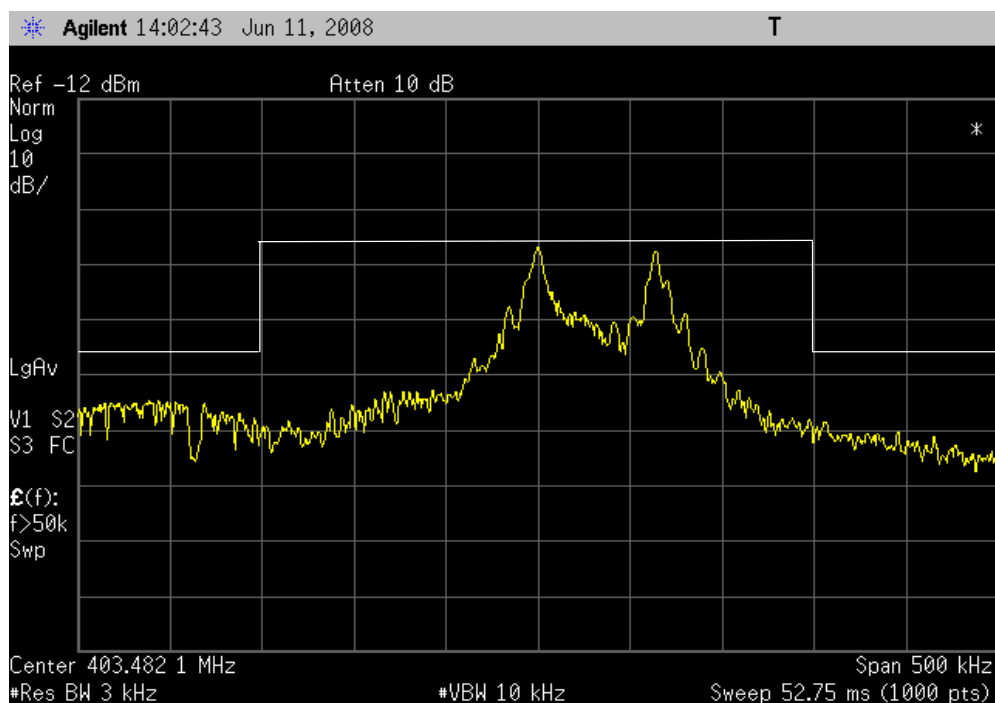
| | | |
|-----------------------------|-----------------------|------------------|
| 1 kHz RBW, ± 150 kHz fc | | |
| Result: Pass | Value: ≤ -20 dBc | Limit: See Graph |



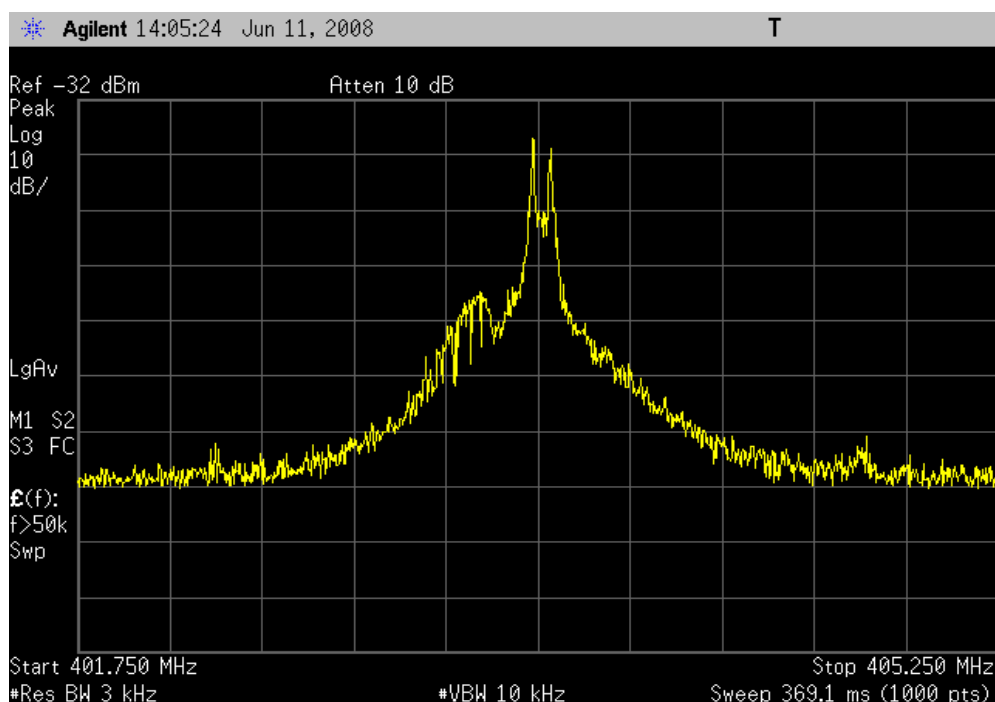
| | | |
|--|-----------------------|------------------|
| 1 kHz RBW, ± 250 kHz of allowable band | | |
| Result: Pass | Value: ≤ -20 dBc | Limit: See Graph |

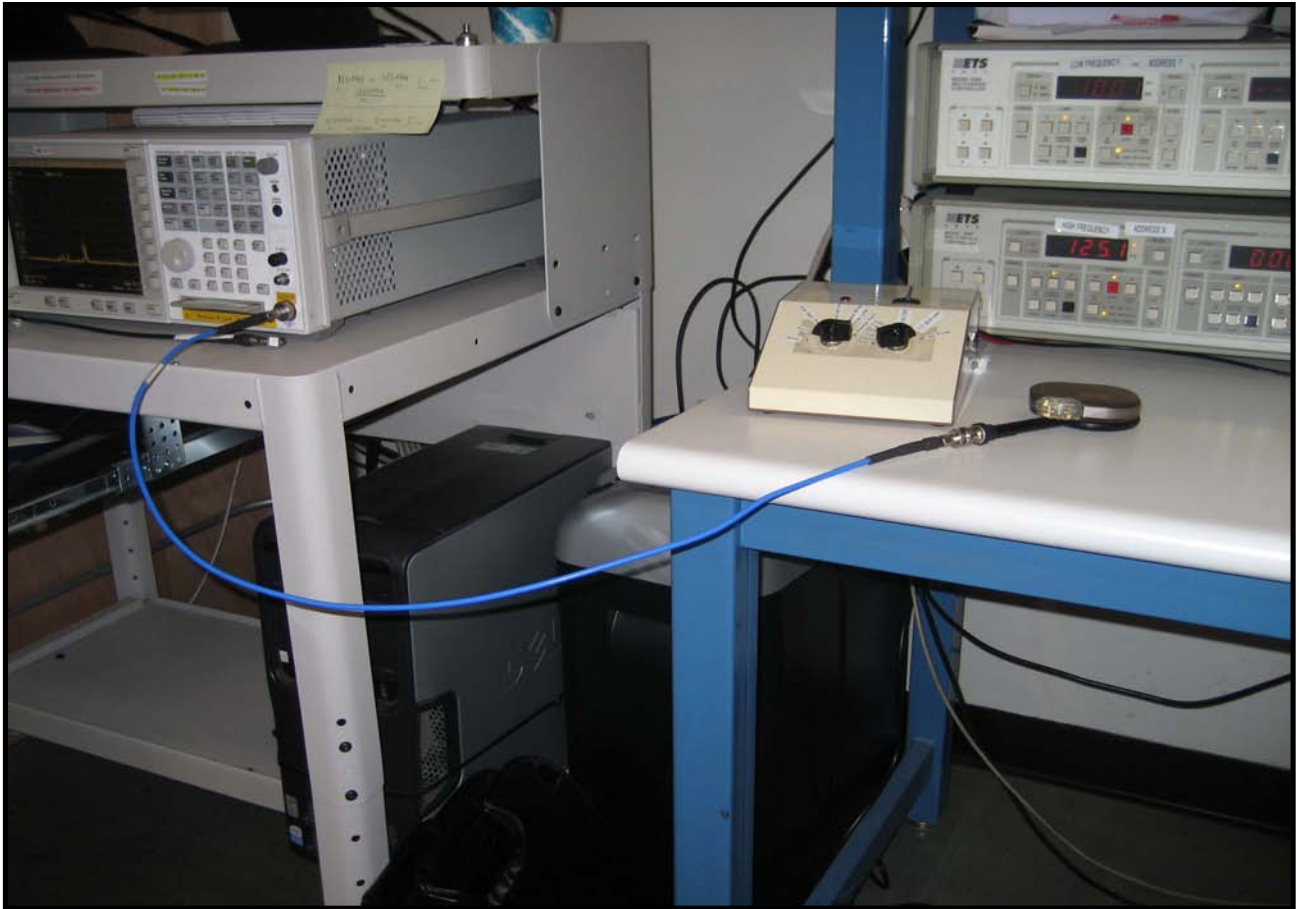


| | | |
|-----------------------------|-----------------------|------------------|
| 3 kHz RBW, ± 150 kHz fc | | |
| Result: Pass | Value: ≤ -20 dBc | Limit: See Graph |



| | | |
|--|-----------------------|------------------|
| 3 kHz RBW, ± 250 kHz of allowable band | | |
| Result: Pass | Value: ≤ -20 dBc | Limit: See Graph |





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmit at 403.5 MHz.

MODE USED FOR FINAL DATA

Transmit at 403.5 MHz.

POWER SETTINGS INVESTIGATED

Battery

POWER SETTINGS USED FOR FINAL DATA

Battery

FREQUENCY RANGE INVESTIGATED

| | | | |
|-----------------|--------|----------------|----------|
| Start Frequency | 30 MHz | Stop Frequency | 8000 MHz |
|-----------------|--------|----------------|----------|

CLOCKS AND OSCILLATORS

403.5 MHz

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|-----------------------------------|--------------|------------------------|-----|------------|----------|
| Pre-Amplifier | Miteq | AMF-4D-010120-30-10P-1 | AOP | 2/2/2008 | 13 |
| Antenna, Horn | EMCO | 3115 | AHB | 8/31/2007 | 24 |
| OC10 cables a,b,c,e,f Horn Cables | | | OCJ | 2/2/2008 | 13 |
| Antenna, Biconilog | EMCO | 3142 | AXJ | 2/25/2008 | 24 |
| OC10 cables a,b,c,d Bilog | | | OCH | 1/7/2008 | 13 |
| Pre-Amplifier | Miteq | AM-1616-1000 | AOM | 1/7/2008 | 13 |
| Spectrum Analyzer | Agilent | E4446A | AAQ | 12/14/2007 | 13 |

MEASUREMENT BANDWIDTHS

| | Frequency Range | Peak Data | Quasi-Peak Data | Average Data |
|--|-----------------|-----------|-----------------|--------------|
| | (MHz) | (kHz) | (kHz) | (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.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.


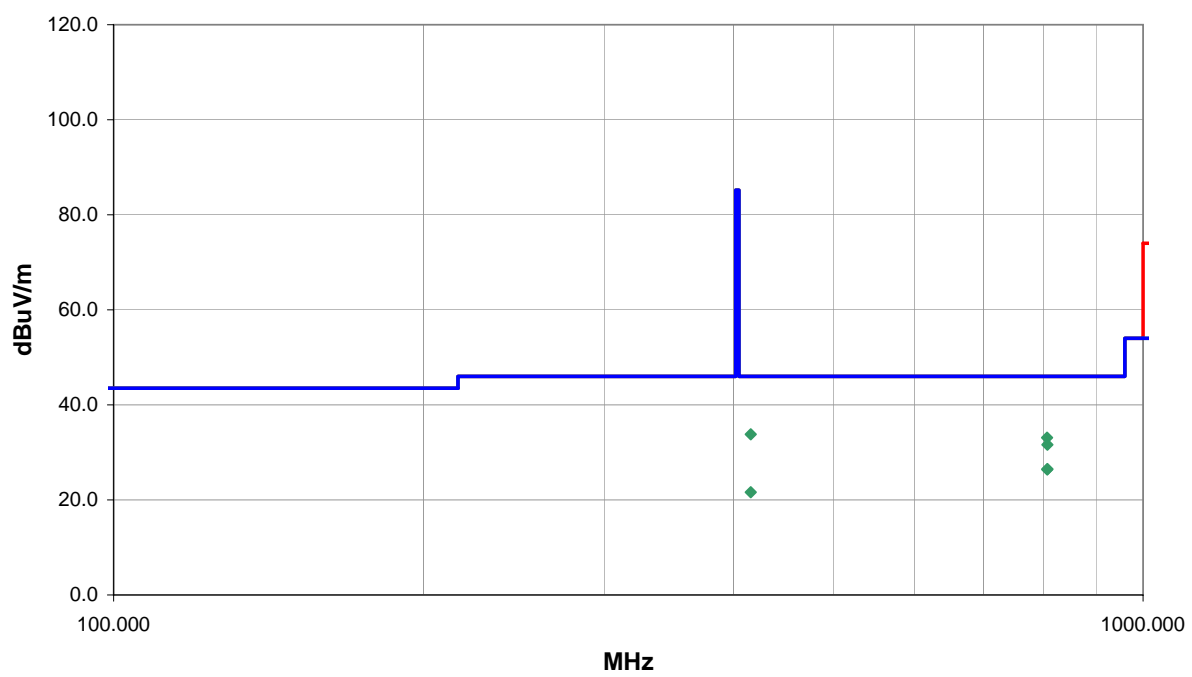
TEST DESCRIPTION

The Field Strength of Radiated Emissions were measured in the far-field at an FCC Listed Semi-anechoic Chamber. Spectrum analyzer and linearly polarized antennas were used to measure the unwanted radiated harmonics and spurious emissions.


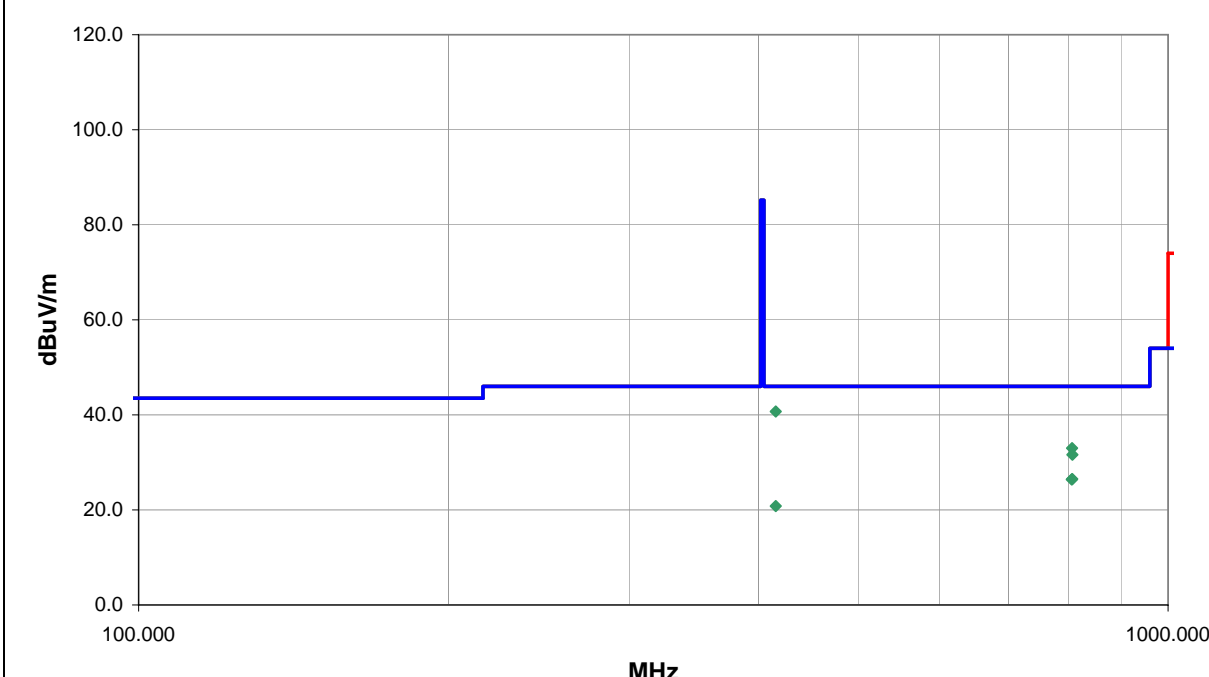
The orientation of the EUT and measurement antenna were manipulated to maximize the level of emissions.

The EUT was configured to transmit in a fixture that simulates the human torso. The dimensions of the test fixture and the characteristics of the tissue substitute material met the requirements of 95.639(f)(2)(iii). The dielectric and conductivity properties of the tissue substitute material were verified the morning of the test (see client data for tissue substitute material), and the temperature was measured before and after the test to verify compliance with 95.639(f)(2)(i). At the start of the test, the tissue substitute material was 23.5 degrees centigrade. At the conclusion of testing, it was 23.2 degrees centigrade.

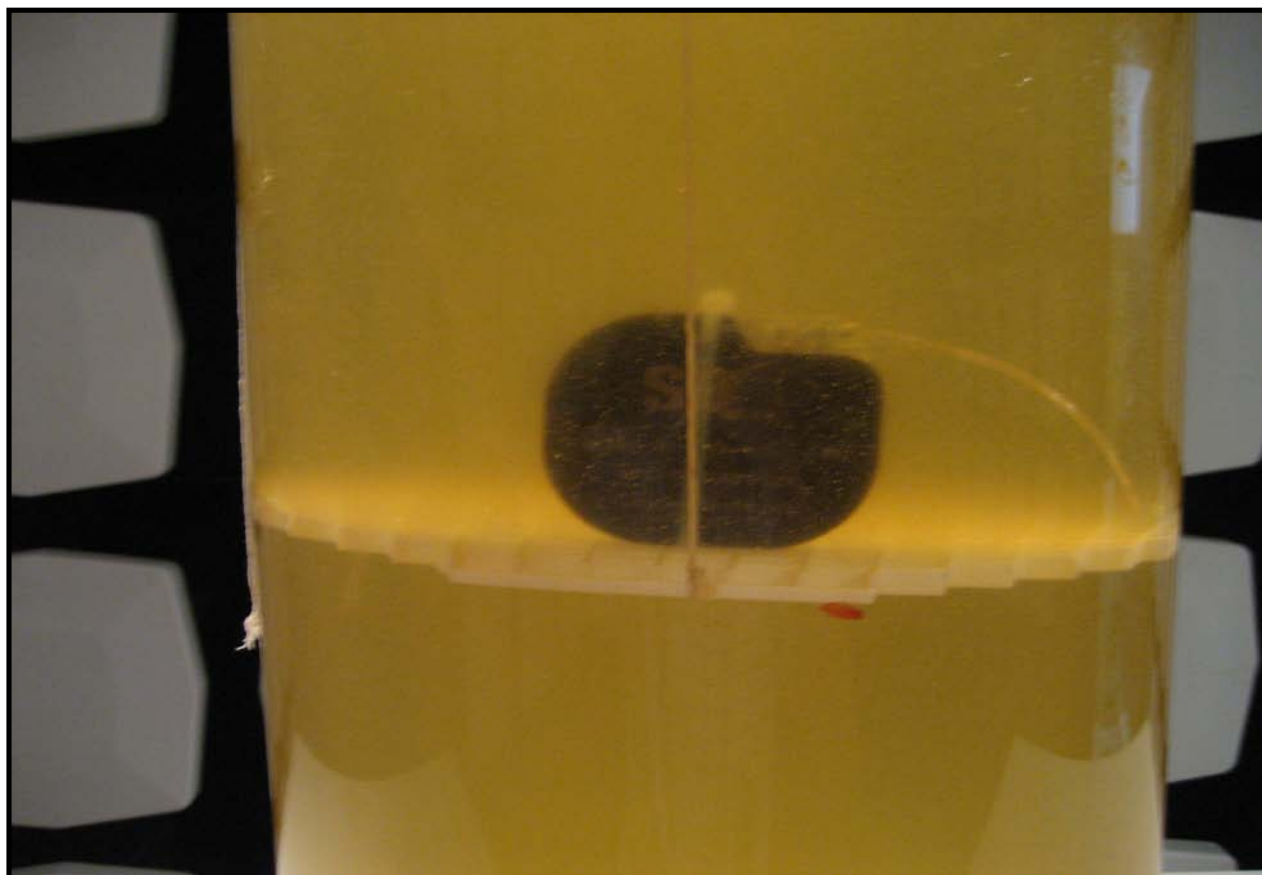
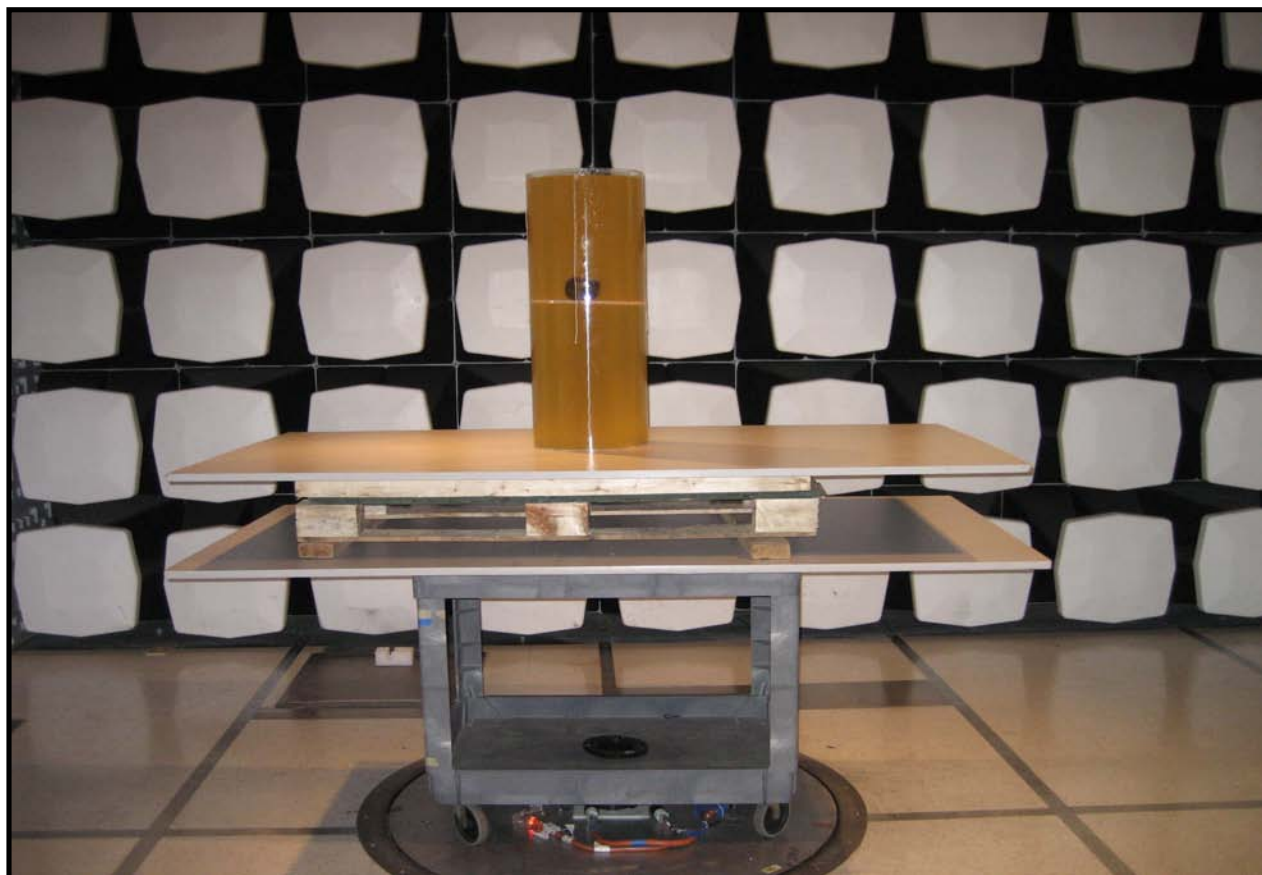
At an approved test site, the transmitter was placed in the human torso test fixture located on a remotely controlled turntable, and the measurement antenna was placed 3 meters from the transmitter. The height of the transmitter was 1.5-meter above the reference ground plane. The turntable azimuth was varied to maximize the level of radiated emissions. The height of the measurement antenna was also varied from 1 to 4 meters. The amplitude and frequency of the emissions were noted.

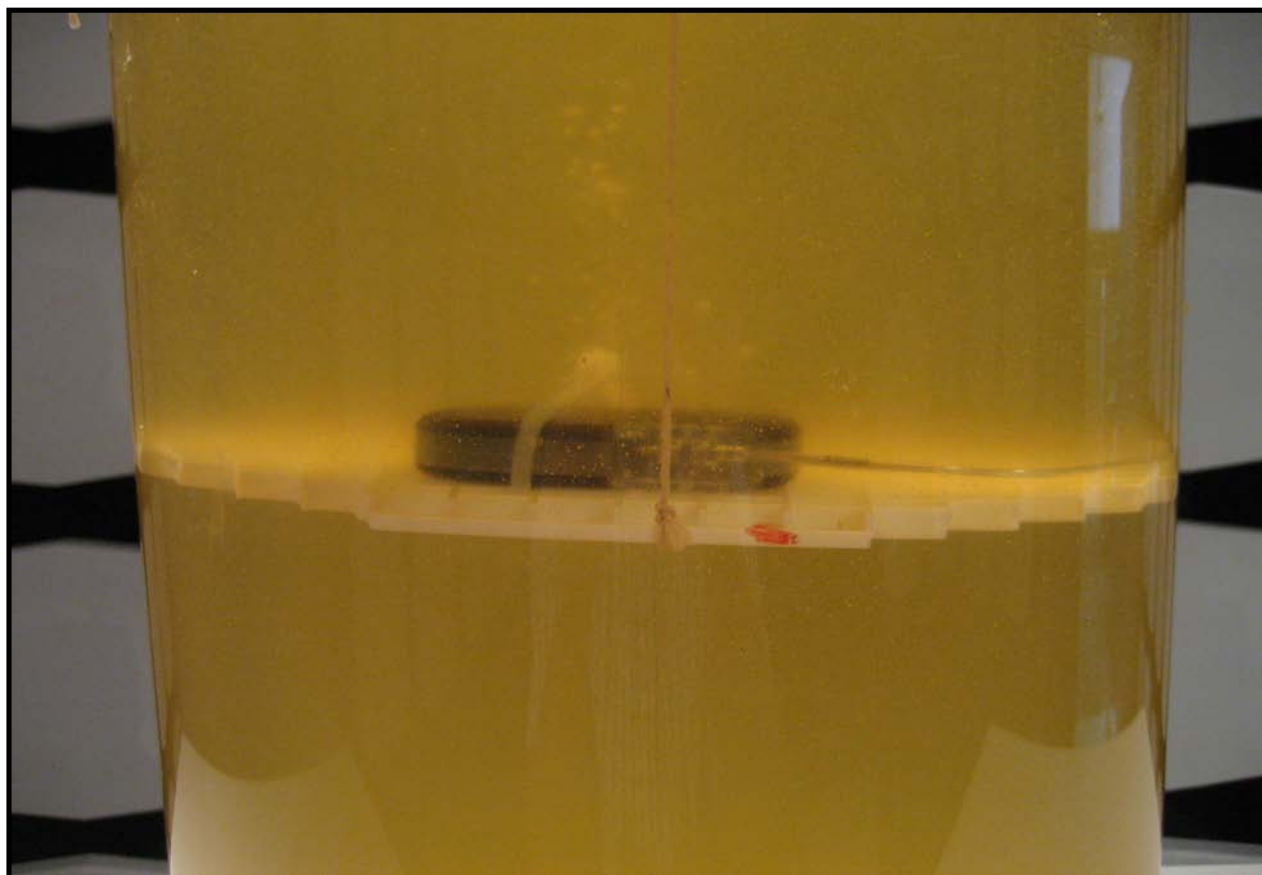
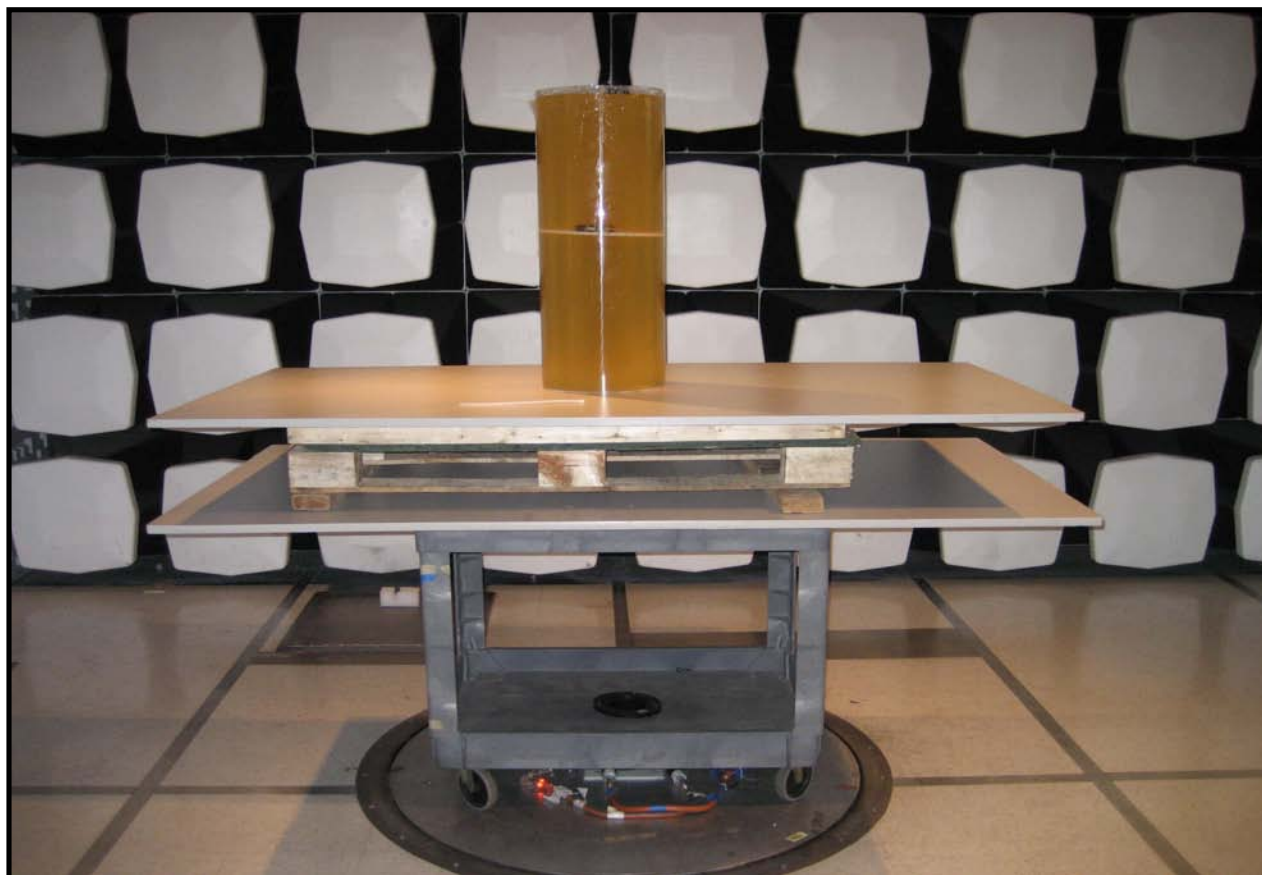
| NORTHWEST EMC | | FIELD STRENGTH OF RADIATED EMISSIONS | | PSA 2007.05.07 EMI 2006.4.26 | | | | | | | | |
|---|------------------|---|---|---------------------------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|
| EUT: SQ-RX Pulse Generator | | | Work Order: CAME0008 | | | | | | | | | |
| Serial Number: 1010-153-750 | | | Date: 06/24/08 | | | | | | | | | |
| Customer: Cameron Health, Inc. | | | Temperature: 24C | | | | | | | | | |
| Attendees: Paul Erlinger | | | Humidity: 42% | | | | | | | | | |
| Project: None | | | Barometric Pres.: 1019 | | | | | | | | | |
| Tested by: Jaemi Suh | | Power: Battery | Job Site: OC10 | | | | | | | | | |
| TEST SPECIFICATIONS | | | Test Method | | | | | | | | | |
| FCC 95I:2007 | | | ANSI/TIA/EIA-603-C-2004 | | | | | | | | | |
| TEST PARAMETERS | | | | | | | | | | | | |
| Antenna Height(s) (m) | | 1 - 4 | | Test Distance (m) 3 | | | | | | | | |
| COMMENTS | | | | | | | | | | | | |
| EUT Vertical. Transmitting at 403.5 MHz. | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | |
| Transmit at 403.5 MHz. | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | |
| Run # | 11 | | Signature  | | | | | | | | | |
| Configuration # | 3 | | | | | | | | | | | |
| 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) |
| 415.845 | 31.2 | 2.6 | 359.0 | 3.4 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 33.8 | 46.0 | -12.2 |
| 806.822 | 23.3 | 9.8 | 82.0 | 2.9 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 33.1 | 46.0 | -12.9 |
| 807.362 | 21.8 | 9.8 | 359.0 | 3.4 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 31.6 | 46.0 | -14.4 |
| 807.282 | 16.7 | 9.8 | 359.0 | 3.4 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 26.5 | 46.0 | -19.5 |
| 806.917 | 16.6 | 9.8 | 82.0 | 2.9 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 26.4 | 46.0 | -19.6 |
| 415.845 | 19.0 | 2.6 | 359.0 | 3.4 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 21.6 | 46.0 | -24.4 |

| | | | | | | | | | | | | |
|--|-------------------------|---|--|-------------------------|--------------------------|----------------------------------|-----------------|-----------------|---------------------------------|------------------------|---------------------------|-------------------------------|
| NORTHWEST | | FIELD STRENGTH OF RADIATED EMISSIONS | | | | PSA 2007.05.07 EMI 2006.4.26 | | | | | | |
| EMC | | | | | | | | | | | | |
| EUT: SQ-RX Pulse Generator | | | | Work Order: CAME0008 | | | | | | | | |
| Serial Number: 1010-153-750 | | | | Date: 06/10/08 | | | | | | | | |
| Customer: Cameron Health, Inc. | | | | Temperature: 21.43 | | | | | | | | |
| Attendees: Paul Erlinger | | | | Humidity: 52% | | | | | | | | |
| Project: None | | | | Barometric Pres.: 1011 | | | | | | | | |
| Tested by: Jaemi Suh | | Power: Battery | | Job Site: 0C10 | | | | | | | | |
| TEST SPECIFICATIONS | | | | Test Method | | | | | | | | |
| FCC 95I:2007 | | | | ANSI/TIA/EIA-603-C-2004 | | | | | | | | |
| | | | | | | | | | | | | |
| TEST PARAMETERS | | | | | | | | | | | | |
| Antenna Height(s) (m) | | 1 - 4 | | Test Distance (m) | | 3 | | | | | | |
| COMMENTS | | | | | | | | | | | | |
| EUT Vertical. Transmitting at 403.5 MHz. | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | |
| Transmit at 403.5 MHz. | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | |
| Run # | 3 | | <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">Signature</div> </div> | | | | | | | | | |
| Configuration # | 3 | | | | | | | | | | | |
| 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) |
| 1614.099 | 33.9 | 1.2 | 67.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 35.1 | 54.0 | -18.9 |
| 3228.023 | 25.3 | 7.4 | 1.0 | 1.7 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 32.7 | 54.0 | -21.3 |
| 3231.982 | 25.3 | 7.4 | 184.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 32.7 | 54.0 | -21.3 |
| 2017.709 | 25.3 | 5.6 | 6.0 | 2.3 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 |
| 2420.947 | 25.4 | 5.5 | 244.0 | 1.9 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 |
| 2421.078 | 25.4 | 5.5 | 360.0 | 2.2 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 |
| 2017.460 | 24.9 | 5.6 | 201.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 30.5 | 54.0 | -23.5 |
| 1210.573 | 32.4 | -2.0 | 320.0 | 1.4 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 30.4 | 54.0 | -23.6 |
| 1614.075 | 27.4 | 1.2 | 202.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 28.6 | 54.0 | -25.4 |
| 3227.872 | 37.9 | 7.4 | 184.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 45.3 | 74.0 | -28.7 |
| 3228.503 | 37.5 | 7.4 | 1.0 | 1.7 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 44.9 | 74.0 | -29.1 |
| 1207.616 | 26.1 | -2.0 | 67.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 24.1 | 54.0 | -29.9 |
| 2418.668 | 38.5 | 5.5 | 360.0 | 2.2 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 44.0 | 74.0 | -30.0 |
| 2422.529 | 37.7 | 5.5 | 244.0 | 1.9 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.2 | 74.0 | -30.8 |
| 2017.643 | 37.5 | 5.6 | 201.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.1 | 74.0 | -30.9 |
| 2015.930 | 36.9 | 5.6 | 6.0 | 2.3 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 42.5 | 74.0 | -31.5 |
| 1614.232 | 41.1 | 1.2 | 67.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 42.3 | 74.0 | -31.7 |
| 1614.144 | 38.0 | 1.2 | 202.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 39.2 | 74.0 | -34.8 |
| 1210.292 | 40.6 | -2.0 | 320.0 | 1.4 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 38.6 | 74.0 | -35.4 |
| 1208.556 | 38.0 | -2.0 | 67.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 36.0 | 74.0 | -38.0 |

| NORTHWEST | | FIELD STRENGTH OF RADIATED EMISSIONS | | PSA 2007.05.07 | | | | | | | | |
|---|------------------|--------------------------------------|-------------------------|--|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|
| EMC | | | | EMI 2006.4.26 | | | | | | | | |
| EUT: SQ-RX Pulse Generator | | | Work Order: CAME0008 | | | | | | | | | |
| Serial Number: 1010-153-750 | | | Date: 06/24/08 | | | | | | | | | |
| Customer: Cameron Health, Inc. | | | Temperature: 24C | | | | | | | | | |
| Attendees: Paul Erlinger | | | Humidity: 42% | | | | | | | | | |
| Project: None | | | Barometric Pres.: 1019 | | | | | | | | | |
| Tested by: Jaemi Suh | | Power: Battery | | Job Site: OC10 | | | | | | | | |
| TEST SPECIFICATIONS | | | Test Method | | | | | | | | | |
| FCC 95I:2007 | | | ANSI/TIA/EIA-603-C-2004 | | | | | | | | | |
| TEST PARAMETERS | | | | | | | | | | | | |
| Antenna Height(s) (m) | | 1 - 4 | | Test Distance (m) | | | | | | | | |
| | | | | 3 | | | | | | | | |
| COMMENTS | | | | | | | | | | | | |
| EUT Horizontal. Transmitting at 403.5 MHz. | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | |
| Transmit at 403.5 MHz. | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | |
| Run # | | 13 | | <div style="text-align: right;"> <i>Signature</i>  </div> | | | | | | | | |
| Configuration # | | 3 | | | | | | | | | | |
| 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) |
| 415.845 | 38.1 | 2.6 | 0.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 40.7 | 46.0 | -5.3 |
| 806.769 | 23.2 | 9.8 | 30.0 | 1.0 | 3.0 | 0.0 | V-Bilog | PK | 0.0 | 33.0 | 46.0 | -13.0 |
| 807.384 | 21.8 | 9.8 | 93.0 | 1.0 | 3.0 | 0.0 | H-Bilog | PK | 0.0 | 31.6 | 46.0 | -14.4 |
| 806.918 | 16.7 | 9.8 | 30.0 | 1.0 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 26.5 | 46.0 | -19.5 |
| 806.249 | 16.6 | 9.8 | 93.0 | 1.0 | 3.0 | 0.0 | H-Bilog | QP | 0.0 | 26.4 | 46.0 | -19.6 |
| 415.845 | 18.2 | 2.6 | 49.0 | 1.7 | 3.0 | 0.0 | V-Bilog | QP | 0.0 | 20.8 | 46.0 | -25.2 |

| NORTHWEST | | PSA 2007.05.07 EMI 2006.4.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|--------------------------------------|-------------------|-----------------|-------------------|---------------------------|-------------------|-----------------|--------------------------|---------------------------|--------------------|------------------------|--------------------------|-----------------|--------------------|------------------------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|------|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|------|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|-----|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|------|-------|-----|-----|-----|--------|----|-----|------|------|-------|----------|------|------|-------|-----|-----|-----|--------|----|-----|------|------|-------|
| EMC | | FIELD STRENGTH OF RADIATED EMISSIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT: SQ-RX Pulse Generator | | Work Order: CAME0008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serial Number: 1010-153-750 | | Date: 06/10/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Customer: Cameron Health, Inc. | | Temperature: 21.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attendees: Paul Erlinger | | Humidity: 52% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project: None | | Barometric Pres.: 1011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tested by: Jaemi Suh | | Power: Battery | Job Site: 0C10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST SPECIFICATIONS | | Test Method | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FCC 95I:2007 | | ANSI/TIA/EIA-603-C-2004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT Horizontal. Transmitting at 403.5 MHz. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EUT OPERATING MODES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transmit at 403.5 MHz. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No deviations. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Run # | 4 | <i>Signature</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Configuration # | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results | Pass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <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>Distance Adjustment (dB)</th> <th>Adjusted dBuV/m</th> <th>Spec. Limit dBuV/m</th> <th>Compared to Spec. (dB)</th> </tr> </thead> <tbody> <tr><td>1614.092</td><td>36.3</td><td>1.2</td><td>146.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>AV</td><td>0.0</td><td>37.5</td><td>54.0</td><td>-16.5</td></tr> <tr><td>3232.834</td><td>25.3</td><td>7.4</td><td>108.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>AV</td><td>0.0</td><td>32.7</td><td>54.0</td><td>-21.3</td></tr> <tr><td>3230.077</td><td>25.2</td><td>7.4</td><td>188.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>AV</td><td>0.0</td><td>32.6</td><td>54.0</td><td>-21.4</td></tr> <tr><td>2017.622</td><td>26.5</td><td>5.6</td><td>103.0</td><td>2.6</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>AV</td><td>0.0</td><td>32.1</td><td>54.0</td><td>-21.9</td></tr> <tr><td>2017.495</td><td>25.3</td><td>5.6</td><td>239.0</td><td>2.2</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>AV</td><td>0.0</td><td>30.9</td><td>54.0</td><td>-23.1</td></tr> <tr><td>2417.046</td><td>25.4</td><td>5.5</td><td>190.0</td><td>3.5</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>AV</td><td>0.0</td><td>30.9</td><td>54.0</td><td>-23.1</td></tr> <tr><td>2421.316</td><td>25.4</td><td>5.5</td><td>263.0</td><td>3.1</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>AV</td><td>0.0</td><td>30.9</td><td>54.0</td><td>-23.1</td></tr> <tr><td>1614.070</td><td>29.2</td><td>1.2</td><td>188.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>AV</td><td>0.0</td><td>30.4</td><td>54.0</td><td>-23.6</td></tr> <tr><td>1210.466</td><td>27.4</td><td>-2.0</td><td>343.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>AV</td><td>0.0</td><td>25.4</td><td>54.0</td><td>-28.6</td></tr> <tr><td>3227.034</td><td>37.5</td><td>7.4</td><td>188.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>PK</td><td>0.0</td><td>44.9</td><td>74.0</td><td>-29.1</td></tr> <tr><td>1210.542</td><td>26.7</td><td>-2.0</td><td>157.0</td><td>1.4</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>AV</td><td>0.0</td><td>24.7</td><td>54.0</td><td>-29.3</td></tr> <tr><td>1613.801</td><td>43.0</td><td>1.2</td><td>146.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>PK</td><td>0.0</td><td>44.2</td><td>74.0</td><td>-29.8</td></tr> <tr><td>2419.782</td><td>38.4</td><td>5.5</td><td>190.0</td><td>3.5</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>PK</td><td>0.0</td><td>43.9</td><td>74.0</td><td>-30.1</td></tr> <tr><td>3229.695</td><td>36.5</td><td>7.4</td><td>108.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>PK</td><td>0.0</td><td>43.9</td><td>74.0</td><td>-30.1</td></tr> <tr><td>2017.005</td><td>37.7</td><td>5.6</td><td>239.0</td><td>2.2</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>PK</td><td>0.0</td><td>43.3</td><td>74.0</td><td>-30.7</td></tr> <tr><td>2017.757</td><td>37.7</td><td>5.6</td><td>103.0</td><td>2.6</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>PK</td><td>0.0</td><td>43.3</td><td>74.0</td><td>-30.7</td></tr> <tr><td>2421.749</td><td>37.5</td><td>5.5</td><td>263.0</td><td>3.1</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>PK</td><td>0.0</td><td>43.0</td><td>74.0</td><td>-31.0</td></tr> <tr><td>1614.041</td><td>39.0</td><td>1.2</td><td>188.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>PK</td><td>0.0</td><td>40.2</td><td>74.0</td><td>-33.8</td></tr> <tr><td>1211.209</td><td>38.9</td><td>-2.0</td><td>343.0</td><td>1.0</td><td>0.0</td><td>0.0</td><td>V-Horn</td><td>PK</td><td>0.0</td><td>36.9</td><td>74.0</td><td>-37.1</td></tr> <tr><td>1208.892</td><td>38.4</td><td>-2.0</td><td>157.0</td><td>1.4</td><td>0.0</td><td>0.0</td><td>H-Horn</td><td>PK</td><td>0.0</td><td>36.4</td><td>74.0</td><td>-37.6</td></tr> </tbody> </table> | | | | 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) | 1614.092 | 36.3 | 1.2 | 146.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 37.5 | 54.0 | -16.5 | 3232.834 | 25.3 | 7.4 | 108.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 32.7 | 54.0 | -21.3 | 3230.077 | 25.2 | 7.4 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 32.6 | 54.0 | -21.4 | 2017.622 | 26.5 | 5.6 | 103.0 | 2.6 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 32.1 | 54.0 | -21.9 | 2017.495 | 25.3 | 5.6 | 239.0 | 2.2 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | 2417.046 | 25.4 | 5.5 | 190.0 | 3.5 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | 2421.316 | 25.4 | 5.5 | 263.0 | 3.1 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | 1614.070 | 29.2 | 1.2 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.4 | 54.0 | -23.6 | 1210.466 | 27.4 | -2.0 | 343.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 25.4 | 54.0 | -28.6 | 3227.034 | 37.5 | 7.4 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 44.9 | 74.0 | -29.1 | 1210.542 | 26.7 | -2.0 | 157.0 | 1.4 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 24.7 | 54.0 | -29.3 | 1613.801 | 43.0 | 1.2 | 146.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 44.2 | 74.0 | -29.8 | 2419.782 | 38.4 | 5.5 | 190.0 | 3.5 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.9 | 74.0 | -30.1 | 3229.695 | 36.5 | 7.4 | 108.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.9 | 74.0 | -30.1 | 2017.005 | 37.7 | 5.6 | 239.0 | 2.2 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 43.3 | 74.0 | -30.7 | 2017.757 | 37.7 | 5.6 | 103.0 | 2.6 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.3 | 74.0 | -30.7 | 2421.749 | 37.5 | 5.5 | 263.0 | 3.1 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 43.0 | 74.0 | -31.0 | 1614.041 | 39.0 | 1.2 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 40.2 | 74.0 | -33.8 | 1211.209 | 38.9 | -2.0 | 343.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 36.9 | 74.0 | -37.1 | 1208.892 | 38.4 | -2.0 | 157.0 | 1.4 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 36.4 | 74.0 | -37.6 |
| 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1614.092 | 36.3 | 1.2 | 146.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 37.5 | 54.0 | -16.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3232.834 | 25.3 | 7.4 | 108.0 | 1.0 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 32.7 | 54.0 | -21.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3230.077 | 25.2 | 7.4 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 32.6 | 54.0 | -21.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017.622 | 26.5 | 5.6 | 103.0 | 2.6 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 32.1 | 54.0 | -21.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017.495 | 25.3 | 5.6 | 239.0 | 2.2 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2417.046 | 25.4 | 5.5 | 190.0 | 3.5 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2421.316 | 25.4 | 5.5 | 263.0 | 3.1 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.9 | 54.0 | -23.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1614.070 | 29.2 | 1.2 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 30.4 | 54.0 | -23.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1210.466 | 27.4 | -2.0 | 343.0 | 1.0 | 0.0 | 0.0 | V-Horn | AV | 0.0 | 25.4 | 54.0 | -28.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3227.034 | 37.5 | 7.4 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 44.9 | 74.0 | -29.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1210.542 | 26.7 | -2.0 | 157.0 | 1.4 | 0.0 | 0.0 | H-Horn | AV | 0.0 | 24.7 | 54.0 | -29.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1613.801 | 43.0 | 1.2 | 146.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 44.2 | 74.0 | -29.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2419.782 | 38.4 | 5.5 | 190.0 | 3.5 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.9 | 74.0 | -30.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3229.695 | 36.5 | 7.4 | 108.0 | 1.0 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.9 | 74.0 | -30.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017.005 | 37.7 | 5.6 | 239.0 | 2.2 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 43.3 | 74.0 | -30.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2017.757 | 37.7 | 5.6 | 103.0 | 2.6 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 43.3 | 74.0 | -30.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2421.749 | 37.5 | 5.5 | 263.0 | 3.1 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 43.0 | 74.0 | -31.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1614.041 | 39.0 | 1.2 | 188.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 40.2 | 74.0 | -33.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1211.209 | 38.9 | -2.0 | 343.0 | 1.0 | 0.0 | 0.0 | V-Horn | PK | 0.0 | 36.9 | 74.0 | -37.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1208.892 | 38.4 | -2.0 | 157.0 | 1.4 | 0.0 | 0.0 | H-Horn | PK | 0.0 | 36.4 | 74.0 | -37.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |





Field Strength of Fundamental

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmit at 403.5 MHz.

MODE USED FOR FINAL DATA

Transmit at 403.5 MHz.

POWER SETTINGS INVESTIGATED

Battery Powered

POWER SETTINGS USED FOR FINAL DATA

Battery Powered

FREQUENCY RANGE INVESTIGATED

| | | | |
|-----------------|--------|----------------|------|
| Start Frequency | 30 MHz | Stop Frequency | 1000 |
|-----------------|--------|----------------|------|

SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|---------------------------|--------------|--------------|-----|------------|----------|
| Antenna, Biconilog | EMCO | 3142 | AXJ | 2/25/2008 | 24 |
| OC10 cables a,b,c,d Bilog | | | OCH | 1/7/2008 | 13 |
| Pre-Amplifier | Miteq | AM-1616-1000 | AOM | 1/7/2008 | 13 |
| Spectrum Analyzer | Agilent | E4446A | AAQ | 12/14/2007 | 13 |

MEASUREMENT BANDWIDTHS

| | Frequency Range | Peak Data | Quasi-Peak Data | Average Data |
|--|-----------------|-----------|-----------------|--------------|
| | (MHz) | (kHz) | (kHz) | (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.

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION

Per 95.635(b), the maximum EIRP for a MICS transmitter is 25uW. This is equivalent to a radiated field strength 85.2 dBuV/m at 3 meters when measured over a reference ground plane.

The Field Strength of the Fundamental was measured in the far-field at an FCC Listed Semi-anechoic Chamber. Spectrum analyzer and linearly polarized antennas were used to measure the effective radiated power (EIRP) of the fundamental.

The orientation of the EUT and measurement antenna were manipulated to maximize the level of emissions. . The turntable azimuth was varied to maximize the level of radiated emissions. The height of the measurement antenna was also varied from 1 to 4 meters. The amplitude and frequency of the emissions were noted.

The EUT was configured to transmit in a fixture that simulates the human torso. The dimensions of the test fixture and the characteristics of the tissue substitute material met the requirements of 95.639(f)(2)(iii). The dielectric and conductivity properties of the tissue substitute material were verified the morning of the test (see client data for tissue substitute material), and the

Field Strength of Fundamental

| | | | |
|----------------|-----------------------|-------------------|----------|
| EUT: | SQ-RX Pulse Generator | Work Order: | CAME0008 |
| Serial Number: | 1010-153-750 | Date: | 06/24/08 |
| Customer: | Cameron Health, Inc. | Temperature: | 24C |
| Attendees: | Paul Erlinger | Humidity: | 41% |
| Project: | None | Barometric Pres.: | 1018 mb |
| Tested by: | Jaemi Suh | Power: | Battery |
| | | Job Site: | OC10 |

TEST SPECIFICATIONS

Test Method

FCC 95I:2007

ANSI/TIA/EIA-603-C-2004

TEST PARAMETERS

| | | | |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

COMMENTS

Vertical Axis. Transmitting at 403.5 MHz. One minute interval for each transmission.

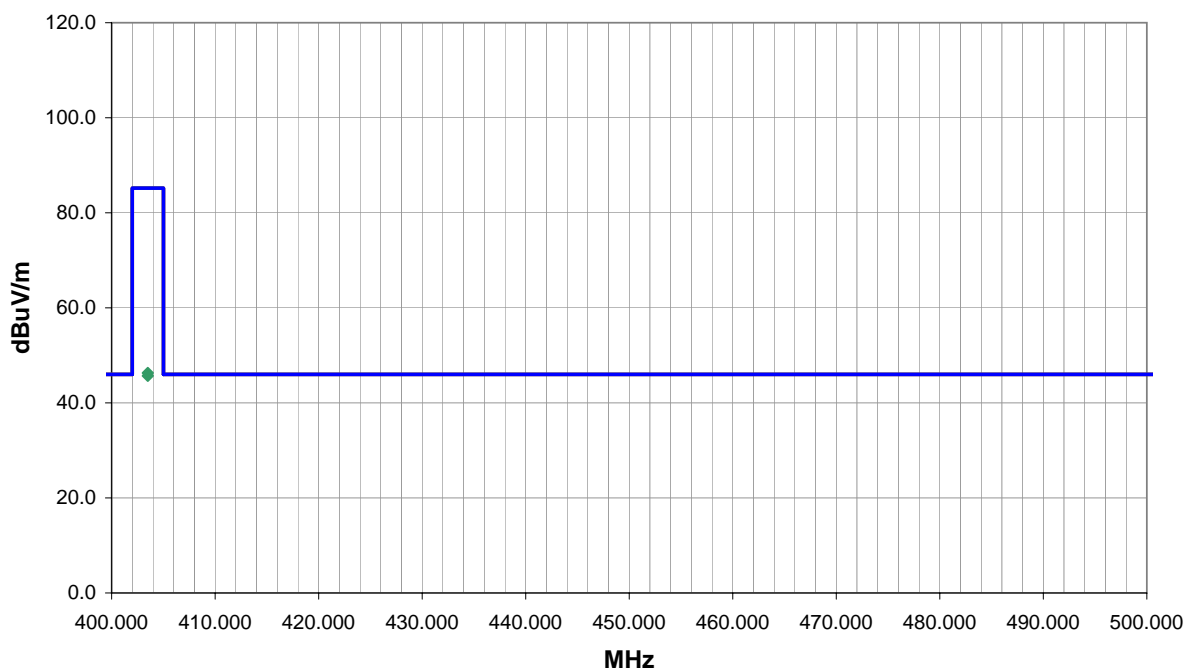
EUT OPERATING MODES

Transmit at 403.5 MHz.

DEVIATIONS FROM TEST STANDARD

No deviations.

| | | |
|-----------------|------|---|
| Run # | 10 | Signature  |
| Configuration # | 3 | |
| 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) |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|
| 403.500 | 43.8 | 2.5 | 0.0 | 2.1 | 0.0 | 0.0 | H-Bilog | PK | 0.0 | 46.3 | 85.2 | -38.9 |
| 403.500 | 43.2 | 2.5 | 360.0 | 1.4 | 0.0 | 0.0 | V-Bilog | PK | 0.0 | 45.7 | 85.2 | -39.5 |

Field Strength of Fundamental

| | | | |
|----------------|-----------------------|-------------------|----------|
| EUT: | SQ-RX Pulse Generator | Work Order: | CAME0008 |
| Serial Number: | 1010-153-750 | Date: | 06/24/08 |
| Customer: | Cameron Health, Inc. | Temperature: | 24C |
| Attendees: | Paul Erlinger | Humidity: | 41% |
| Project: | None | Barometric Pres.: | 1018 mb |
| Tested by: | Jaemi Suh | Power: | Battery |
| | | Job Site: | OC10 |

TEST SPECIFICATIONS

Test Method

FCC 95I:2007

ANSI/TIA/EIA-603-C-2004

TEST PARAMETERS

| | | | |
|-----------------------|-------|-------------------|---|
| Antenna Height(s) (m) | 1 - 4 | Test Distance (m) | 3 |
|-----------------------|-------|-------------------|---|

COMMENTS

Horizontal Axis. Transmitting at 403.5 MHz. One minute interval for each transmission.

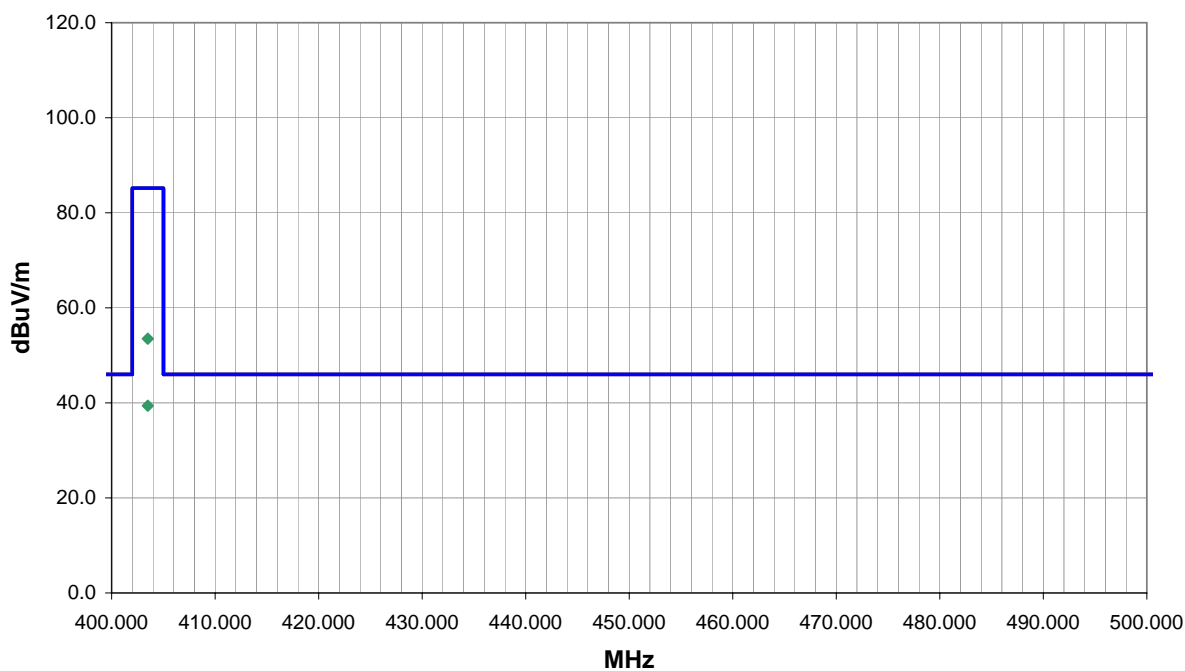
EUT OPERATING MODES

Transmit at 403.5 MHz.

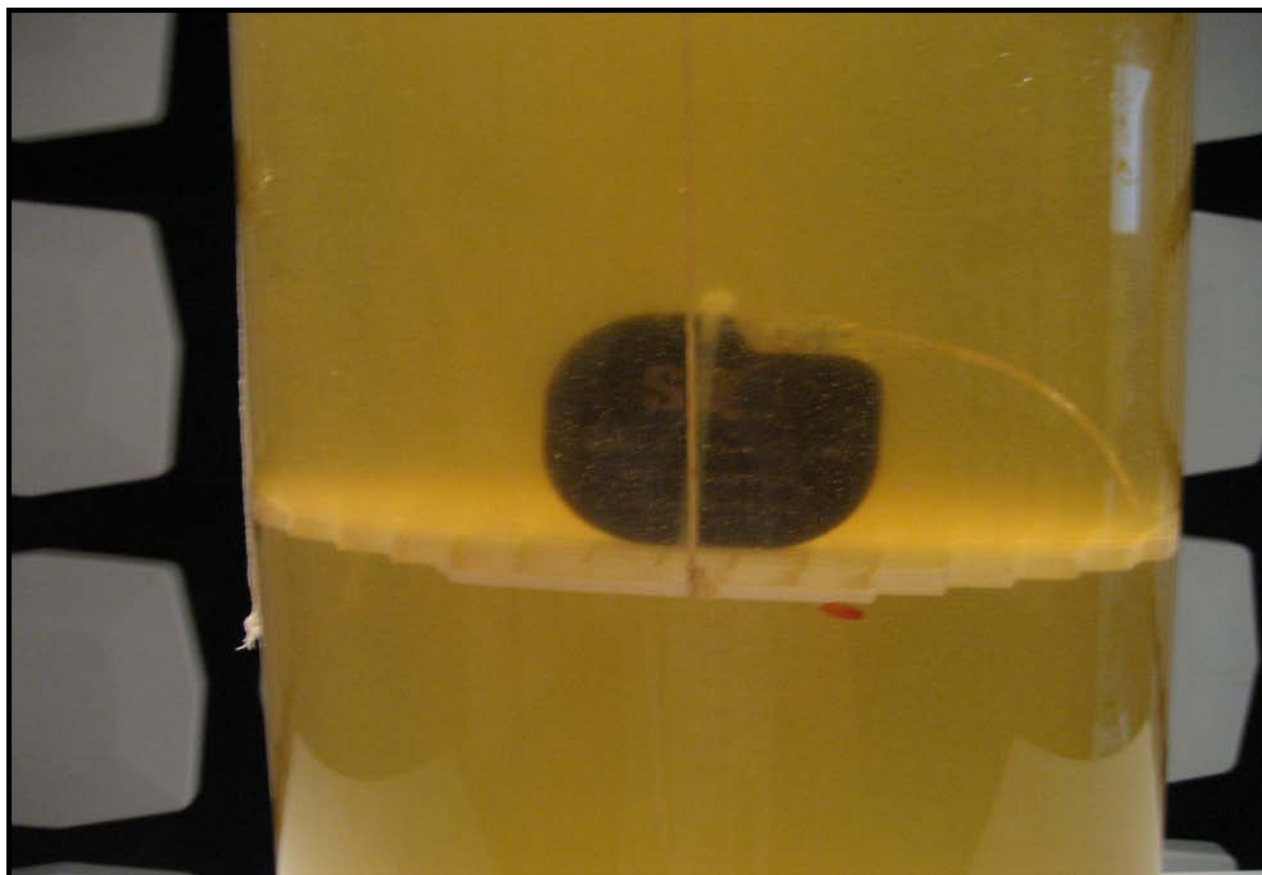
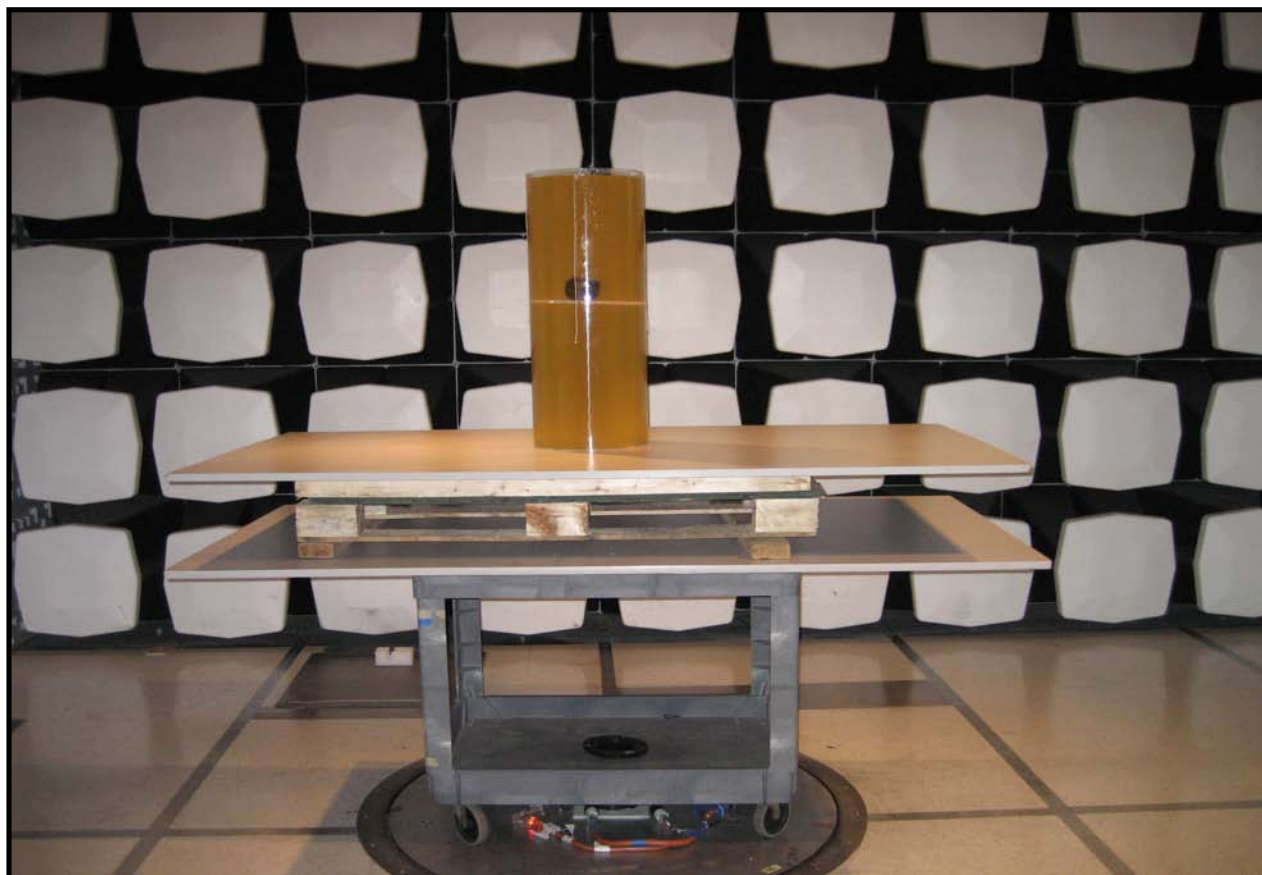
DEVIATIONS FROM TEST STANDARD

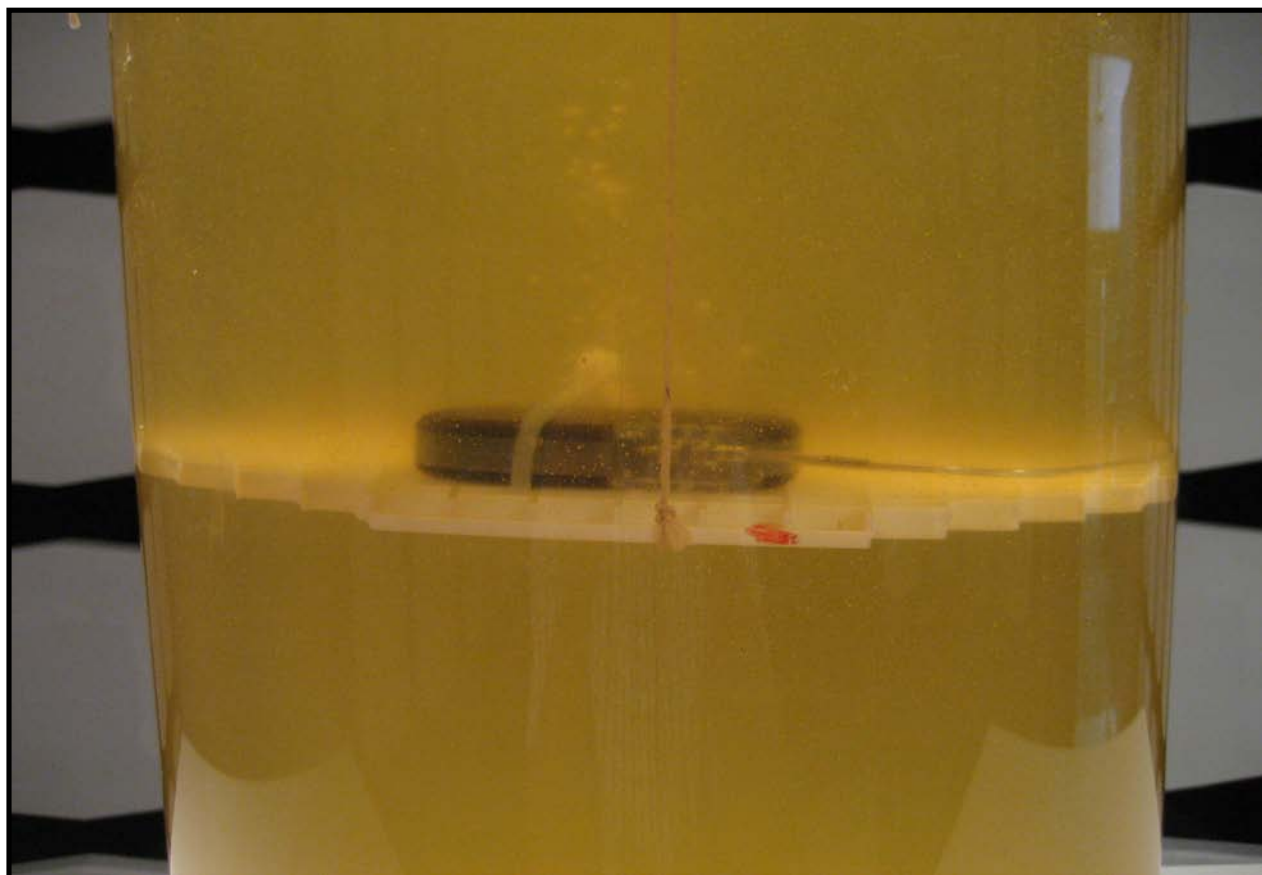
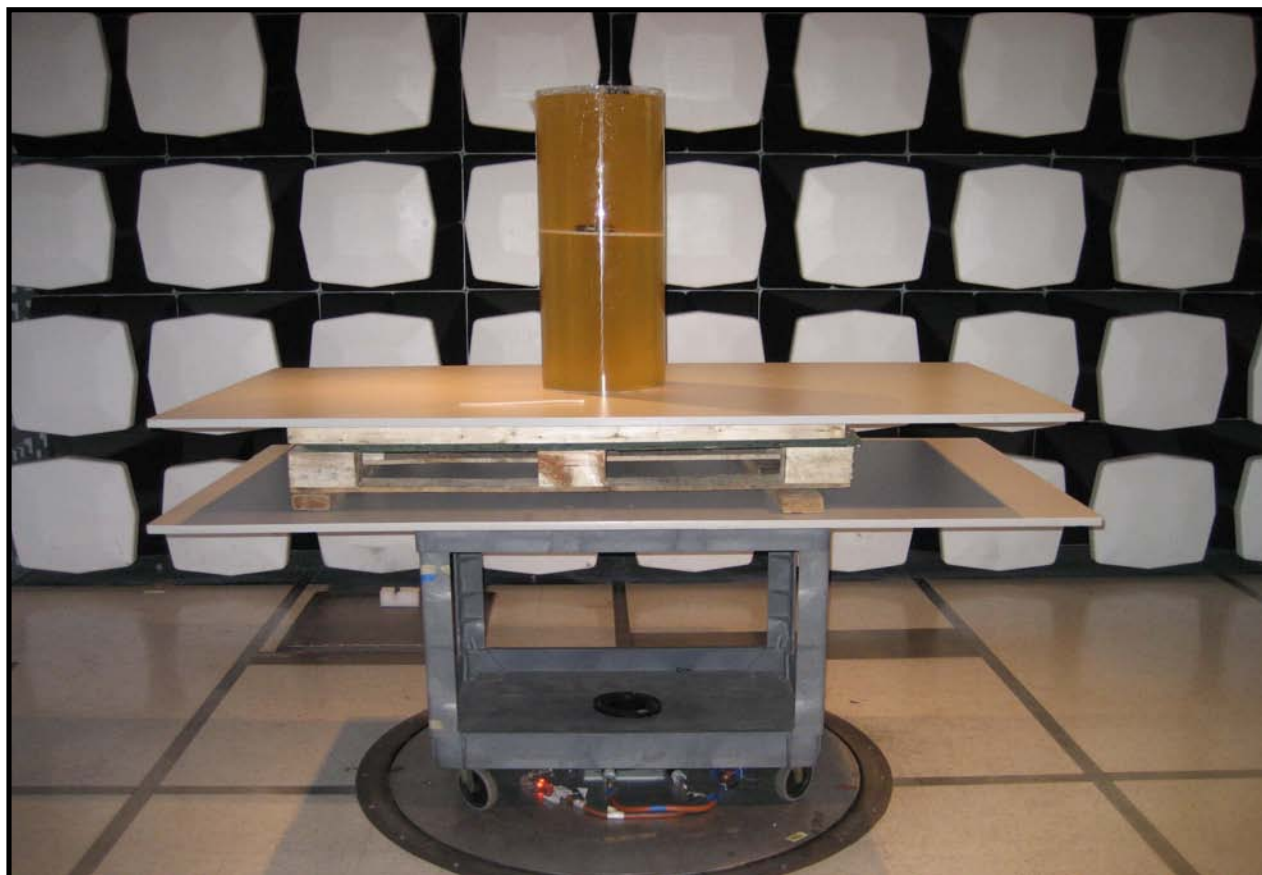
No deviations.

| | | |
|-----------------|------|---|
| Run # | 12 | Signature  |
| Configuration # | 3 | |
| 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) |
|------------|------------------|-------------|-------------------|-----------------|-------------------|---------------------------|----------|----------|--------------------------|-----------------|--------------------|------------------------|
| 403.500 | 51.0 | 2.5 | 23.0 | 1.0 | 0.0 | 0.0 | H-Bilog | PK | 0.0 | 53.5 | 85.2 | -31.7 |
| 403.500 | 36.9 | 2.5 | 3.0 | 1.4 | 0.0 | 0.0 | V-Bilog | PK | 0.0 | 39.4 | 85.2 | -45.8 |





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|-------------------------------|---------------------------|--------------------|-----|------------|----------|
| Spectrum Analyzer | Hewlett Packard | 8593E | AAP | 12/14/2007 | 13 |
| Chamber, Temperature/Humidity | Cincinnati Sub Zero (CSZ) | ZPHS-32-3.5-SCT/AC | TBE | 5/22/2008 | 13 |

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.

TEST DESCRIPTION


The Frequency Stability was measured using a near-field probe and a spectrum analyzer. The spectrum analyzer is configured with a precision frequency reference that exceeds the stability requirement of the transmitter.

The EUT was placed inside a temperature / humidity chamber. The near-field probe was placed near the transmitter. A low-loss coaxial cable connected the near-field probe to the spectrum analyzer outside of the chamber.

The transmit frequency was recorded at the extremes of the specified temperature range (25° to +45° C) and at 10°C intervals.

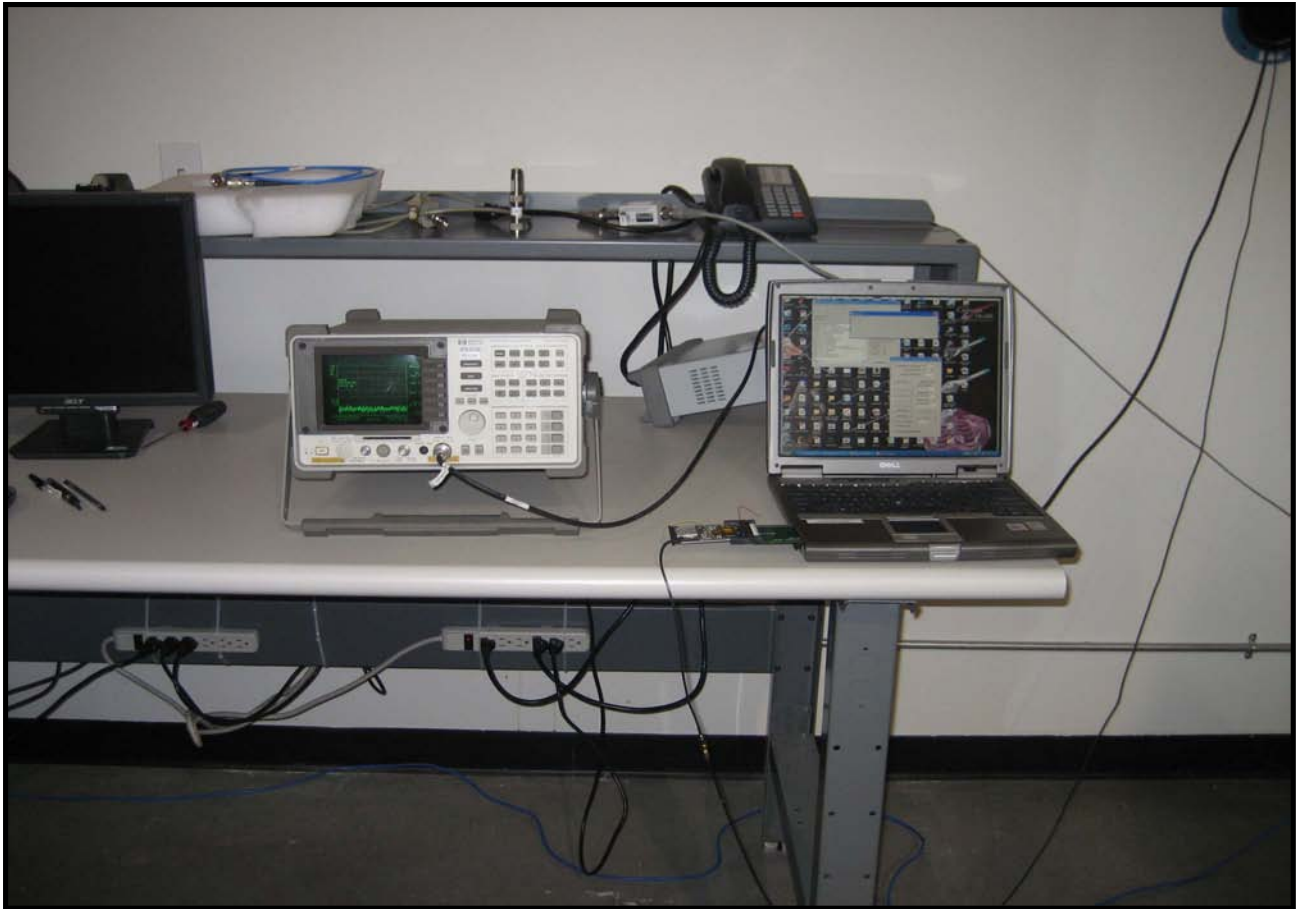
EMC

FREQUENCY STABILITY

| | | |
|--------------------------------|------------------------|---|
| EUT: SQ-RX Pulse Generator | | Work Order: CAME0008 |
| Serial Number: 1010-153-750 | Date: 06/12/08 | |
| Customer: Cameron Health, Inc. | Temperature: 21.43°C | |
| Attendees: Paul Erlinger | Humidity: 52% | |
| Project: None | Barometric Pres.: 1011 | |
| Tested by: Jaemi Suh | Power: Battery | Job Site: 0C13 |
| TEST SPECIFICATIONS | | Test Method |
| FCC 951:2007 | | ANSI/TIA/EIA-603-C-2004 |
| COMMENTS | | |
| None | | |
| DEVIATIONS FROM TEST STANDARD | | |
| None | | |
| Configuration # | 1 | Signature  |

| Temp (°C) | Assigned Frequency (MHz) | Measured Frequency (MHz) | Result (ppm) | Specification (ppm) |
|-----------|--------------------------|--------------------------|--------------|---------------------|
| 25 | 403.510800 | 403.512150 | 3.35 | 100 |
| 35 | 403.510800 | 403.513150 | 5.82 | 100 |
| 45 | 403.510800 | 403.513850 | 7.56 | 100 |





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

| Description | Manufacturer | Model | ID | Last Cal. | Interval |
|-------------------|--------------|--------|-----|------------|----------|
| Spectrum Analyzer | Agilent | E4446A | AAQ | 12/14/2007 | 13 |

MEASUREMENT UNCERTAINTY

Measurement uncertainty is used to reflect the accuracy of the measured result as compared with its "true" or theoretically correct value. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4. In the case of transient tests our test equipment has been demonstrated by calibration to provide at least a 95% confidence that it complies with the test specification requirements. The measurement uncertainty for any test is available upon request.


TEST DESCRIPTION

Per 47 CFR 95.633(e)(3), the emission bandwidth was determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 20 dB down relative to the maximum level of the modulated carrier. A spectrum analyzer using a peak detector with no video filtering was used with a resolution bandwidth equal to approximately 1.0 percent of the emission bandwidth of the EUT.

An emission bandwidth measurement was made using a 3 kHz resolution bandwidth (no video filtering) and a peak detector. This most closely satisfied the specified measurement criteria. It is important to use a RBW that is sufficiently narrow to plot the actual bandwidth of the signal and not the filter response curve of the spectrum analyzer.

EMC

OCCUPIED BANDWIDTH

| | | | |
|--------------------------------|---|---|----------------|
| EUT: SQ-RX Pulse Generator | | Work Order: CAME0008 | |
| Serial Number: 1010-153-750 | | Date: 06/11/08 | |
| Customer: Cameron Health, Inc. | | Temperature: 21.43°C | |
| Attendees: Paul Erlinger | | Humidity: 52% | |
| Project: None | | Barometric Pres.: 1011 | |
| Tested by: Jaemi Suh | | Power: Battery | Job Site: OC10 |
| TEST SPECIFICATIONS | | Test Method | |
| FCC 951:2007 | | ANSI/TIA/EIA-603-C-2004 | |
| COMMENTS | | | |
| None | | | |
| DEVIATIONS FROM TEST STANDARD | | | |
| None | | | |
| Configuration # | 1 | Signature  | |
| | | Value | Limit |
| 3 kHz RBW | | 107.0 kHz | 300 kHz |
| | | | Results |
| | | | Pass |

3 kHz RBW

Result: Pass

Value: 107.0 kHz

Limit: 300 kHz

