



**FCC CFR47 PART 15 SUBPART C
CERTIFICATION
TEST REPORT**

FOR

RECESSED DOOR/WINDOW SENSOR

MODEL NUMBER: EV-DW4955

FCC ID: QNPEV-DW4955

REPORT NUMBER: 05U3847-1B

ISSUE DATE: JANUARY 27, 2006

Prepared for

**SECURE WIRELESS, INC.
5817 DRYDEN PLACE, SUITE D
CARLSBAD, CA 92008, USA**

Prepared by

**COMPLIANCE CERTIFICATION SERVICES
561F MONTEREY ROAD
MORGAN HILL, CA 95037, USA
TEL: (408) 463-0885
FAX: (408) 463-0888**



Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|---------------|---|------------|
| A | 1/17/06 | Initial Issue | Thu Chan |
| B | 1/27/06 | Revised Sections 5.2 and 7.4.1 Below 1GHz | Thu Chan |

TABLE OF CONTENTS

| | | |
|--------|---|----|
| 1. | ATTESTATION OF TEST RESULTS | 4 |
| 2. | TEST METHODOLOGY | 5 |
| 3. | FACILITIES AND ACCREDITATION | 5 |
| 4. | CALIBRATION AND UNCERTAINTY | 5 |
| 4.1. | MEASURING INSTRUMENT CALIBRATION | 5 |
| 4.2. | MEASUREMENT UNCERTAINTY | 5 |
| 5. | EQUIPMENT UNDER TEST | 6 |
| 5.1. | DESCRIPTION OF EUT | 6 |
| 5.2. | SOFTWARE AND FIRMWARE | 6 |
| 5.3. | MODIFICATIONS | 6 |
| 5.4. | WORST-CASE CONFIGURATION AND MODE | 6 |
| 5.5. | DESCRIPTION OF TEST SETUP | 7 |
| 6. | TEST AND MEASUREMENT EQUIPMENT | 9 |
| 7. | LIMITS AND RESULTS | 10 |
| 7.1. | 20dB BANDWIDTH | 10 |
| 7.2. | MAXIMUM MODULATION PERCENTAGE (M%) | 12 |
| 7.3. | LESS THAN 5 SECONDS PLOT | 18 |
| 7.4. | RADIATED EMISSIONS | 20 |
| 7.4.1. | TRANSMITTER RADIATED SPURIOUS EMISSIONS | 20 |
| 8. | SETUP PHOTOS | 25 |

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SECURE WIRELES SYSTEMS INC
5817 DRYDEN PLACE, SUITE D
CARLSBAD, CA 92008, U.S.A

EUT DESCRIPTION: RECESSED DOOR/WINDOW SENSOR

MODEL: EV-DW4955

SERIAL NUMBER: ESN25678A

DATE TESTED: NOVEMBER 18, 2005 & JANUARY 17, 2006

| APPLICABLE STANDARDS | |
|-----------------------|-------------------------|
| STANDARD | TEST RESULTS |
| FCC PART 15 SUBPART C | NO NON-COMPLIANCE NOTED |

Compliance Certification Services, Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Compliance Certification Services and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification Services will constitute fraud and shall nullify the document. No part of this report may be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any government agency.

Approved & Released For CCS By:

Tested By:



THU CHAN
EMC SUPERVISOR
COMPLIANCE CERTIFICATION SERVICES

CHIN PANG
EMC ENGINEER
COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4-2003, FCC CFR 47 Part 2 and FCC CFR 47 Part 15.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 561F Monterey Road, Morgan Hill, California, USA. The sites are constructed in conformance with the requirements of ANSI C63.4, ANSI C63.7 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://www.ccsemc.com>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | UNCERTAINTY |
|-------------------------------------|----------------|
| Radiated Emission, 30 to 200 MHz | +/- 3.3 dB |
| Radiated Emission, 200 to 1000 MHz | +4.5 / -2.9 dB |
| Radiated Emission, 1000 to 2000 MHz | +4.5 / -2.9 dB |
| Power Line Conducted Emission | +/- 2.9 dB |

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The Recessed Door/Window Sensor is at a single fixed frequency of 433.92MHz, and is power by a 3V CR2450N Lithium.

| | |
|------------------------------|-----------------------|
| Equipment Type | 433.92MHz Transmitter |
| Fundamental Frequency | 433.92 MHz |
| Power Source | 3V Lithium Battery |
| Transmitting Time | Periodic ≤5 seconds |
| Manufacturer | Secure Wireless, Inc. |

5.2. SOFTWARE AND FIRMWARE

To activate the EUT by using a magnet and make contact.

5.3. MODIFICATIONS

1. The C8 capacitor was replaced with 680 pF.
2. The C7 capacitor was replaced with 220 pF.

5.4. WORST-CASE CONFIGURATION AND MODE

The worst-case channel is determined by X, Y, and Z-axis. The highest measured output power was at Y-Axis.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

N/A

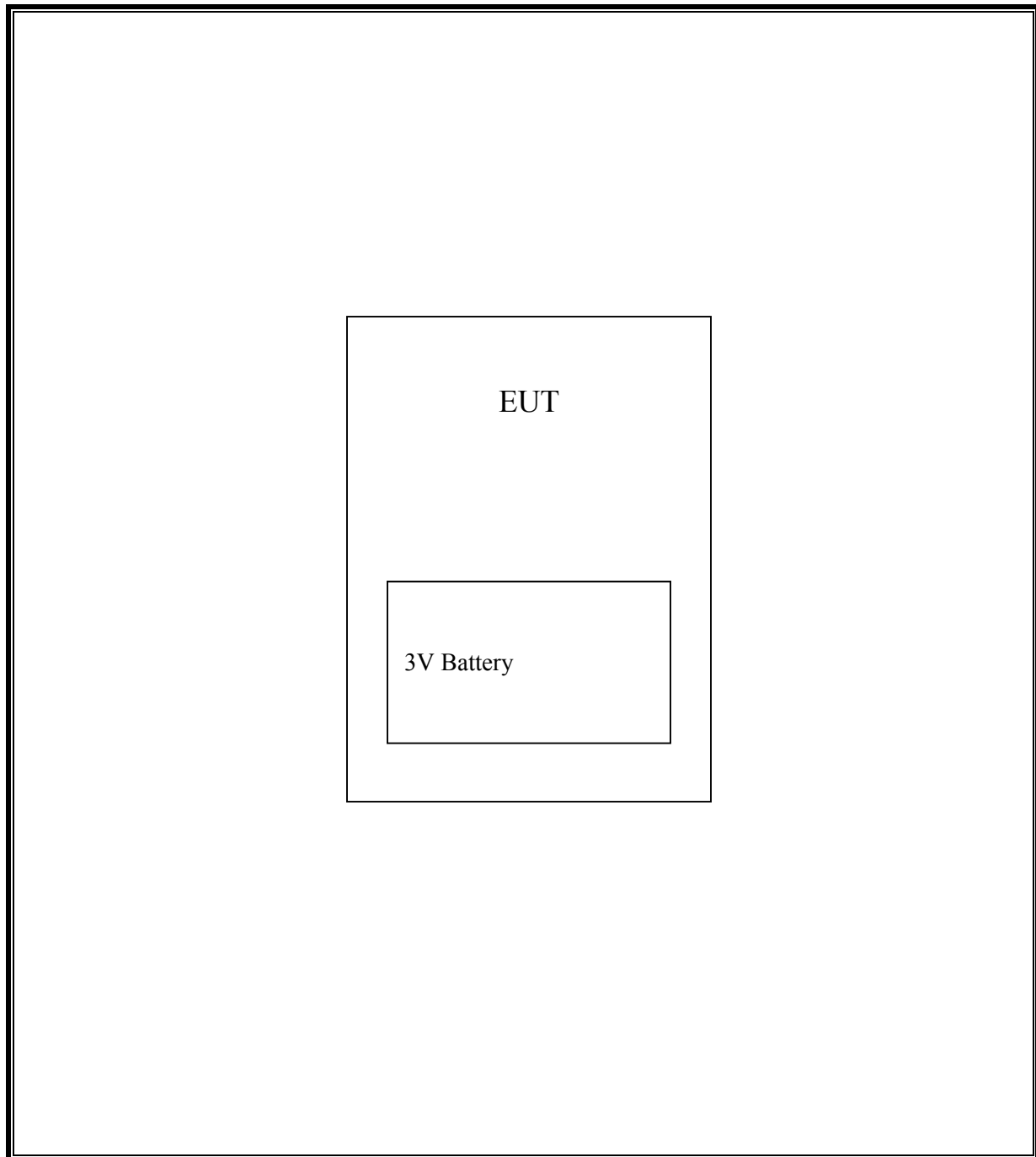
I/O CABLES

N/A

TEST SETUP

The EUT is stand-alone unit and is battery operated.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| TEST EQUIPMENT LIST | | | | |
|---------------------------------|--------------|------------|---------------|-----------|
| Description | Manufacturer | Model | Serial Number | Cal Due |
| Antenna, Horn 1 ~ 18 GHz | Ertco | 3115 | 6717 | 4/22/2006 |
| Preamplifier, 1 ~ 26 GHz | Miteq | NSP2600-SP | 924342 | 9/2/2006 |
| Spectrum Analyzer 3 Hz ~ 44 GHz | Agilent | E4446A | MY43360112 | 3/28/2006 |
| EMI Receiver, 9 kHz ~ 2.9 GHz | HP | 8542E | 3942A00286 | 3/29/2006 |
| RF Filter Section | HP | 85420E | 3705A00256 | 3/29/2006 |
| Antenna, Bilog 30MHz ~ 2Ghz | Solar | JB1 | A121003 | 3/3/2006 |

7. LIMITS AND RESULTS

7.1. 20dB BANDWIDTH

LIMIT

§15.231 (c) The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer.

20dB Bandwidth: The RBW is set to 100 KHz. The VBW is set to 100 KHz. The sweep time is coupled. Bandwidth is determined at the points 20 dB down from the modulated carrier.

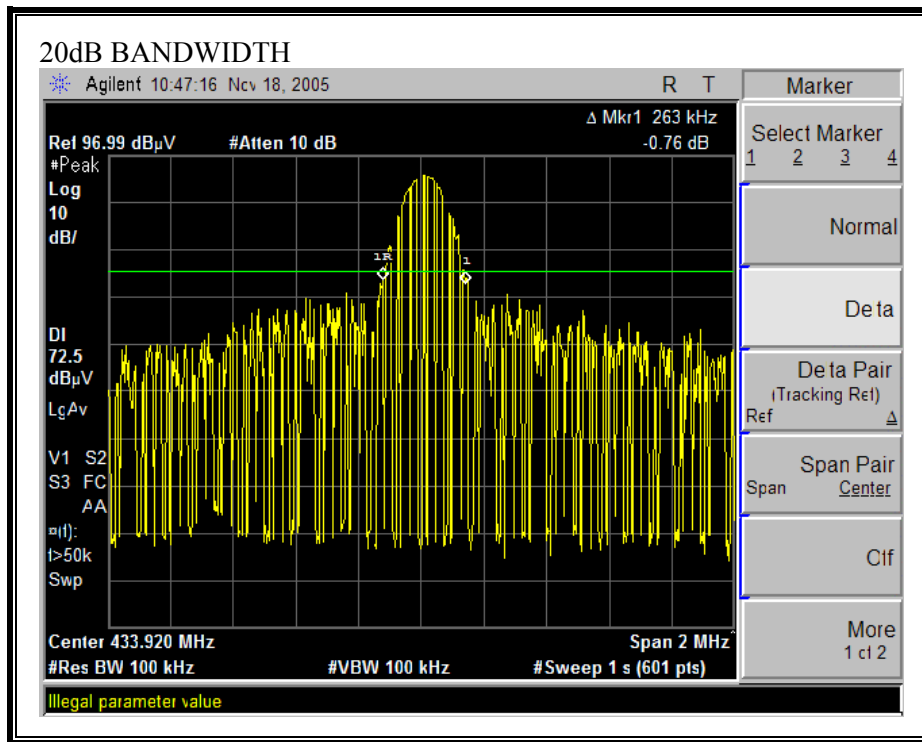
RESULTS

No non-compliance noted:

20dB Bandwidth

| Frequency (MHz) | 20dB Bandwidth (KHz) | Limit (KHz) | Margin (KHz) |
|--------------------|-------------------------|----------------|-----------------|
| 433.92 | 263 | 1084.8 | -821.8 |

20dB BANDWIDTH



7.2. MAXIMUM MODULATION PERCENTAGE (M%)

LIMIT

§15.35 (c) the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subject to notification or verification.

TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer or radiated field strength. The RBW is set to 100 kHz and the VBW is set to 100 kHz. The sweep time is coupled and the span is set to 0 Hz. The number of pulses is measured and calculated in a 100 ms scan.

CALCULATION:

Average Reading = Peak Reading (dBuV/m) + 20log (Duty Cycle), Where Duty Cycle is
 $(\# \text{ of long pulses} * \text{long pulse width}) + (\# \text{ of short pulses} * \text{short pulse width}) / 100$ or T

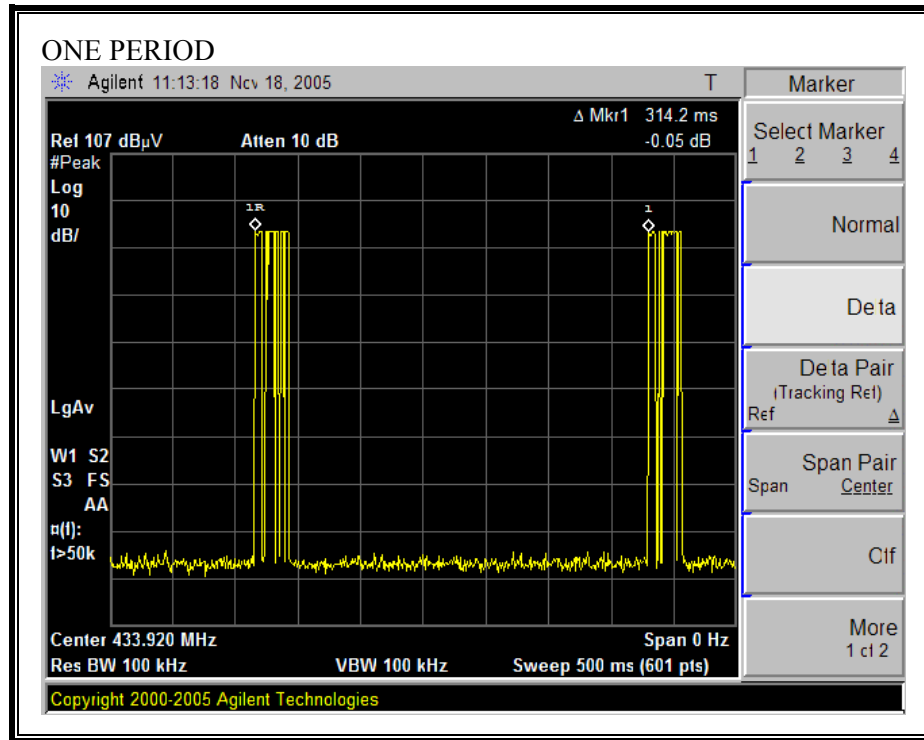
RESULTS

No non-compliance noted:

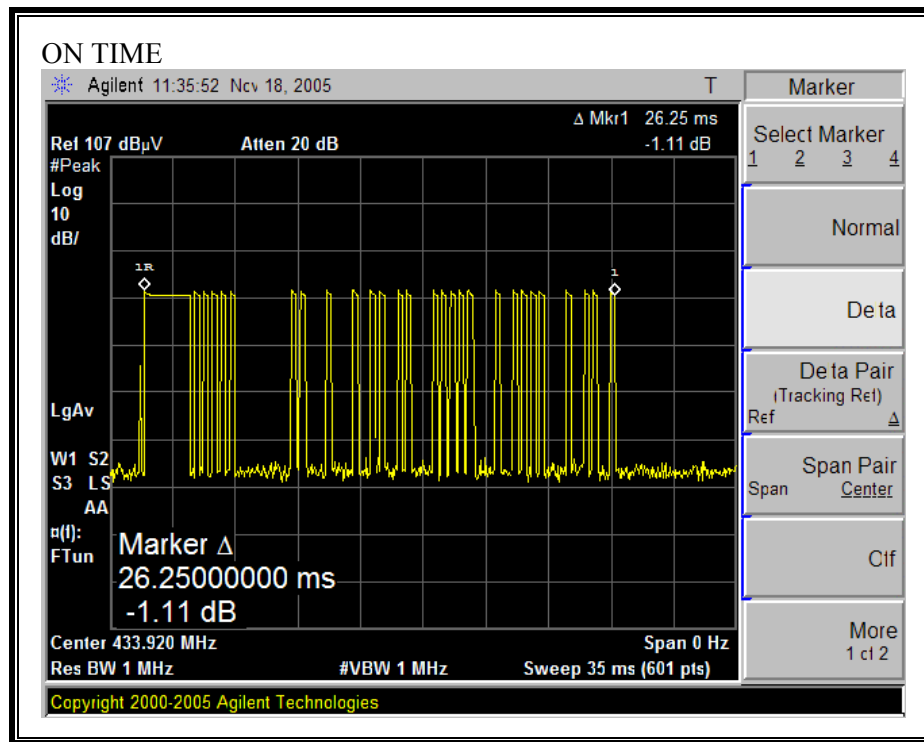
MAXIMUM MODULATION PERCENTAGE

| One Period (ms) | Long Pulse Width (ms) | # of Long Pulses | Short Width (ms) | # of Short Pulses | Duty Cycle | 20*Log Duty Cycle (dB) |
|--------------------------------|--------------------------------------|---------------------------------|---------------------------------|----------------------------------|-----------------------|---------------------------------------|
| 314.2 | 2.508 | 1 | 0.23 | 27 | 0.088 | -21.10 |

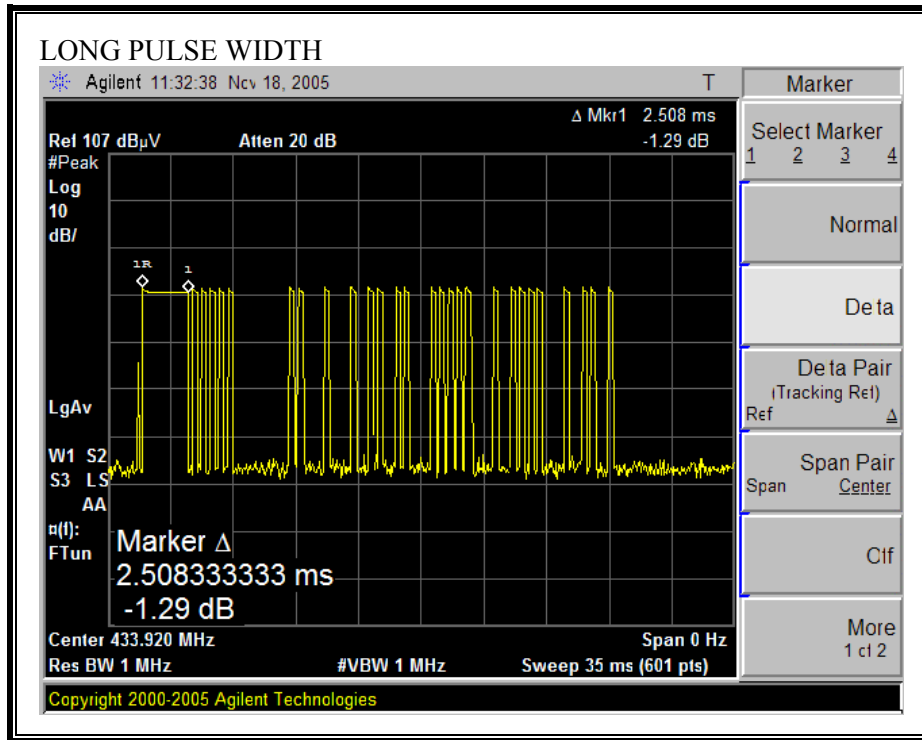
ONE PERIOD



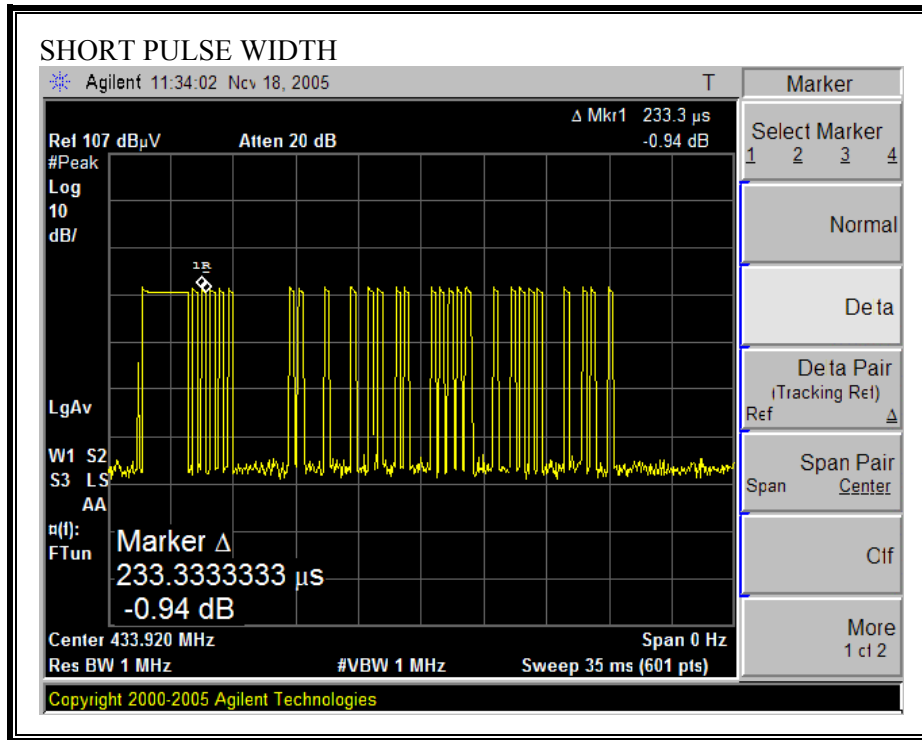
ON TIME



LONG PULSE WIDTH



SHORT PULSE WIDTH



7.3. LESS THAN 5 SECONDS PLOT

LIMIT

§15.231 (a) (1) a manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

(a) (2) a transmitter activated automatically shall cease transmission within 5 seconds after activation.

TEST PROCEDURE

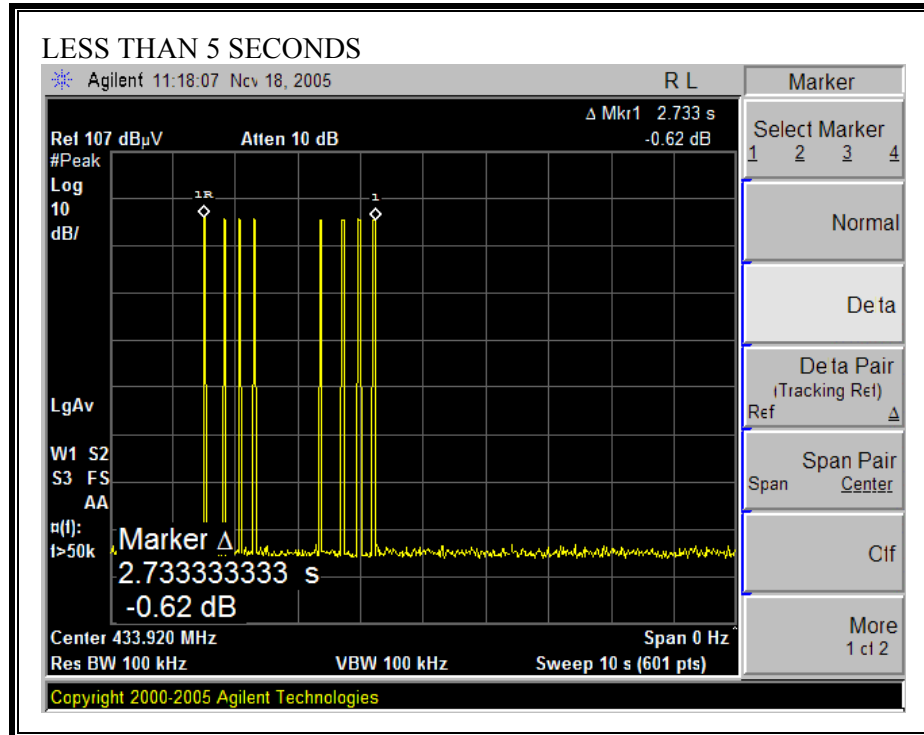
The transmitter output is connected to a spectrum analyzer or radiated field strength. The RBW is set to 100 kHz and the VBW is set to 100 kHz. The sweep time is set to 10 seconds and the span is set to 0 Hz.

RESULTS

No non-compliance noted:

Transmission begins approximately 1.35 seconds after activation and transmission ceases approximately 4.083 seconds after activation.

LESS THAN 5 SECONDS



7.4. RADIATED EMISSIONS

7.4.1. TRANSMITTER RADIATED SPURIOUS EMISSIONS

LIMITS

§15.231 (b) In addition to the provisions of § 15.205, the field strength of emissions from Intentional radiators operated under this section shall not exceed the following:

| Fundamental Frequency (MHz) | Field Strength of Fundamental Frequency (microvolts/meter) | Field Strength of Spurious Emissions (microvolts/meter) |
|-----------------------------|--|---|
| 40.66 - 40.70 | 2,250 | 225 |
| 70 - 130 | 1,250 | 125 |
| 130 - 174 | 1,250 to 3,750 ¹ | 125 to 375 ¹ |
| 174 - 260 | 3,750 | 375 |
| 260 - 470 | 3,750 to 12,500 ¹ | 375 to 1,250 ¹ |
| Above 470 | 12,500 | 1,250 |

¹ Linear interpolation

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

| MHz | MHz | MHz | GHz |
|----------------------------|-----------------------|-----------------|------------------|
| 0.090 - 0.110 | 16.42 - 16.423 | 399.9 - 410 | 4.5 - 5.15 |
| ¹ 0.495 - 0.505 | 16.69475 - 16.69525 | 608 - 614 | 5.35 - 5.46 |
| 2.1735 - 2.1905 | 16.80425 - 16.80475 | 960 - 1240 | 7.25 - 7.75 |
| 4.125 - 4.128 | 25.5 - 25.67 | 1300 - 1427 | 8.025 - 8.5 |
| 4.17725 - 4.17775 | 37.5 - 38.25 | 1435 - 1626.5 | 9.0 - 9.2 |
| 4.20725 - 4.20775 | 73 - 74.6 | 1645.5 - 1646.5 | 9.3 - 9.5 |
| 6.215 - 6.218 | 74.8 - 75.2 | 1660 - 1710 | 10.6 - 12.7 |
| 6.26775 - 6.26825 | 108 - 121.94 | 1718.8 - 1722.2 | 13.25 - 13.4 |
| 6.31175 - 6.31225 | 123 - 138 | 2200 - 2300 | 14.47 - 14.5 |
| 8.291 - 8.294 | 149.9 - 150.05 | 2310 - 2390 | 15.35 - 16.2 |
| 8.362 - 8.366 | 156.52475 - 156.52525 | 2483.5 - 2500 | 17.7 - 21.4 |
| 8.37625 - 8.38675 | 156.7 - 156.9 | 2655 - 2900 | 22.01 - 23.12 |
| 8.41425 - 8.41475 | 162.0125 - 167.17 | 3260 - 3267 | 23.6 - 24.0 |
| 12.29 - 12.293 | 167.72 - 173.2 | 3332 - 3339 | 31.2 - 31.8 |
| 12.51975 - 12.52025 | 240 - 285 | 3345.8 - 3358 | 36.43 - 36.5 |
| 12.57675 - 12.57725 | 322 - 335.4 | 3600 - 4400 | (²) |
| 13.36 - 13.41 | | | |

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

² Above 38.6

§15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|--------------------|--------------------------------------|----------------------------------|
| 30 - 88 | 100 ** | 3 |
| 88 - 216 | 150 ** | 3 |
| 216 - 960 | 200 ** | 3 |
| Above 960 | 500 | 3 |

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

TEST PROCEDURE


The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

FUNDAMENTAL, HARMONICS AND SPURIOUS EMISSIONS 30 – 1000 MHz

|  <p>FCC, VCCI, CISPR, CE, AUSTEL, NZ UL, CSA, TUV, BSMI, DHHS, NVLAP</p> <p>561F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0885 FAX: (408) 463-0888</p> | | | | | | | | | | | | | | <p><i>Project #:</i> 05U3847-1</p> <p><i>Report #:</i> 060117Chmber1</p> <p><i>Date & Time:</i> 01/17/06</p> <p><i>Test Engr:</i> Thanh Nguyen</p> | |
|--|------------------|------------------|------------|---------------|-----------------|----------------------|----------------------|-------------------|-------------------|-------------------|-------------------|--------------|-------------|--|--|
| <p><i>Company:</i> Secure Wireless Inc.</p> <p><i>EUT Description:</i> Remote Wireless Sensor</p> <p><i>Test Configuration:</i> EUT only</p> <p><i>Type of Test:</i> FCC 15.231b</p> <p><i>Mode of Operation:</i> Transmitting</p> | | | | | | | | | | | | | | | |
| <p>M% = ((t1+t2+t3+...)/T) * 66.83% = 8.8%</p> | | | | | | | | | | | | | | <p>Av Reading = Pk Reading + 20*log(M%)</p> <p>20 * log (M%) = -21.11</p> | |
| Freq. (MHz) | Pk Rdg (dBuV) | Av Rdg (dBuV) | AF (dB) | Closs (dB) | Pre-amp (dB) | Pk Level (dBuV/m) | Av Level (dBuV/m) | Pk Limit FCC_B | Av Limit FCC_B | Pk Margin (dB) | Av Margin (dB) | Pol (H/V) | Az (Deg) | Height (Meter) | |
| 429.175Mhz Fundamental frequency | | | | | | | | | | | | | | | |
| X-Position (EUT Lay down) | | | | | | | | | | | | | | | |
| 433.92 | 94.66 | 74.66 | 17.01 | 1.83 | 27.51 | 85.99 | 65.99 | 100.83 | 80.83 | -14.84 | -14.84 | 3mV | 0.00 | 1.00 | |
| 433.92 | 86.39 | 66.39 | 17.01 | 1.83 | 27.51 | 77.72 | 57.72 | 100.83 | 80.83 | -23.11 | -23.11 | 3mH | 0.00 | 1.00 | |
| Y-Position (EUT Standup) | | | | | | | | | | | | | | | |
| 433.92 | 94.47 | 74.47 | 17.01 | 1.83 | 27.51 | 85.80 | 65.80 | 100.83 | 80.83 | -15.03 | -15.03 | 3mV | 0.00 | 1.00 | |
| 433.92 | 89.34 | 69.34 | 17.01 | 1.83 | 27.51 | 80.67 | 60.67 | 100.83 | 80.83 | -20.16 | -20.16 | 3mH | 0.00 | 1.00 | |
| Z-Position (EUT Sideway) | | | | | | | | | | | | | | | |
| 433.92 | 83.67 | 63.67 | 17.01 | 1.83 | 27.51 | 75.00 | 55.00 | 100.83 | 80.83 | -25.83 | -25.83 | 3mV | 0.00 | 1.00 | |
| 433.92 | 91.92 | 71.92 | 17.01 | 1.83 | 27.51 | 83.25 | 63.25 | 100.83 | 80.83 | -17.58 | -17.58 | 3mH | 0.00 | 1.00 | |
| The Data show Y-Position is the worst case | | | | | | | | | | | | | | | |
| 867.86 | 63.05 | 43.05 | 22.63 | 2.84 | 26.70 | 61.82 | 41.82 | 80.83 | 60.83 | -19.01 | -19.01 | 3mV | 0.00 | 1.00 | |
| 867.86 | 58.04 | 38.04 | 22.63 | 2.84 | 26.70 | 56.81 | 36.81 | 80.83 | 60.83 | -24.02 | -24.02 | 3mH | 0.00 | 1.50 | |

HARMONICS AND SPURIOUS EMISSIONS ABOVE 1GHz

| 01/17/06 High Frequency Measurement Compliance Certification Services, Morgan Hill Open Field Site | | | | | | | | | | | | | | | | |
|---|-------------|-----------------|----------------------|------------|----------|-----------------------|--------------|------------|----------------|---------------|------------------|-------------------|--------------|---------------|----------------|---|
| Test Engr: Thanh Nguyen Project #:05U3847-1 Company:Secure Wireless EUT Descr.:Recessed Door/ Window Sensor. EUT M/N:EV-DW455 Test Target:FCC 15.231b Mode Oper:TX | | | | | | | | | | | | | | | | |
| Test Equipment: | | | | | | | | | | | | | | | | |
| Horn 1-18GHz | | | Pre-amplifer 1-26GHz | | | Pre-amplifer 26-40GHz | | | Horn > 18GHz | | | Limit | | | | |
| T60; S/N: 2238 @3m | | | T87 Miteq 924342 | | | | | | | | | FCC 15.205 | | | | |
| Hi Frequency Cables | | | | | | | | | | | | | | | | |
| 2 foot cable | | | 3 foot cable | | | 12 foot cable | | | HPF | | | Reject Filter | | | | |
| | | | Thanh 187215003 | | | Thanh 208946003 | | | | | | | | | | |
| Peak Measurements RBW=VBW=1MHz Average Measurements RBW=1MHz ; VBW=10Hz | | | | | | | | | | | | | | | | |
| f GHz | Dist (m) | Read Pk dBuV | Read Avg dBuV | AF dB/m | CL dB | Amp dB | D Corr dB | Fctr dB | Peak dBuV/m | Avg dBuV/m | Pk Lim dBuV/m | Avg Lim dBuV/m | Pk Mar dB | Avg Mar dB | Notes (V/H) | |
| Y position is the worst case | | | | | | | | | | | | | | | | V |
| | | | | | | | | | | | | | | | | V |
| 1.305 | 3.0 | 74.0 | 54.0 | 25.3 | 1.7 | -44.9 | 0.0 | 0.0 | 56.1 | 36.1 | 74 | 54 | -17.9 | -17.9 | V | |
| 1.743 | 3.0 | 63.4 | 43.4 | 26.9 | 1.8 | -44.8 | 0.0 | 0.0 | 47.3 | 27.3 | 80.8 | 60.8 | -33.5 | -33.5 | V | |
| 2.175 | 3.0 | 80.2 | 60.2 | 28.1 | 2.0 | -44.8 | 0.0 | 0.0 | 65.5 | 45.5 | 80.8 | 60.8 | -15.4 | -15.4 | V | |
| 2.608 | 3.0 | 88.1 | 68.1 | 28.9 | 2.1 | -44.6 | 0.0 | 0.0 | 74.5 | 54.5 | 80.8 | 60.8 | -6.3 | -6.3 | V | |
| 3.037 | 3.0 | 76.4 | 56.4 | 30.2 | 2.2 | -44.2 | 0.0 | 0.0 | 64.6 | 44.6 | 80.8 | 60.8 | -16.2 | -16.2 | V | |
| 3.475 | 3.0 | 65.6 | 45.6 | 31.3 | 2.3 | -44.5 | 0.0 | 0.0 | 54.8 | 34.8 | 80.8 | 60.8 | -26.1 | -26.1 | V | |
| 3.909 | 3.0 | 72.3 | 52.3 | 32.5 | 2.4 | -44.8 | 0.0 | 0.0 | 62.4 | 42.4 | 74 | 54 | -11.6 | -11.6 | V | |
| 4.343 | 3.0 | 77.3 | 57.3 | 33.1 | 2.5 | -45.0 | 0.0 | 0.0 | 67.8 | 47.8 | 74 | 54 | -6.2 | -6.2 | H | |
| 1.305 | 3.0 | 73.9 | 53.9 | 25.3 | 1.7 | -44.9 | 0.0 | 0.0 | 56.0 | 36.0 | 74 | 54 | -18.0 | -18.0 | H | |
| 1.743 | 3.0 | 60.7 | 40.7 | 26.9 | 1.8 | -44.8 | 0.0 | 0.0 | 44.6 | 24.6 | 80.8 | 60.8 | -36.2 | -36.2 | H | |
| 2.167 | 3.0 | 80.9 | 60.9 | 28.1 | 2.0 | -44.8 | 0.0 | 0.0 | 66.2 | 46.2 | 80.8 | 60.8 | -14.7 | -14.7 | H | |
| 2.680 | 3.0 | 88.9 | 68.9 | 29.2 | 2.1 | -44.5 | 0.0 | 0.0 | 75.7 | 55.7 | 80.8 | 60.8 | -5.2 | -5.2 | H | |
| 3.040 | 3.0 | 67.4 | 47.4 | 30.2 | 2.2 | -44.2 | 0.0 | 0.0 | 55.6 | 35.6 | 80.8 | 60.8 | -25.2 | -25.2 | H | |
| 3.475 | 3.0 | 68.8 | 48.8 | 31.3 | 2.3 | -44.5 | 0.0 | 0.0 | 57.9 | 37.9 | 80.8 | 60.8 | -22.9 | -22.9 | H | |
| 3.909 | 3.0 | 68.5 | 48.5 | 32.5 | 2.4 | -44.8 | 0.0 | 0.0 | 58.5 | 38.5 | 74 | 54 | -15.5 | -15.5 | H | |
| 4.345 | 3.0 | 62.6 | 42.6 | 33.1 | 2.5 | -45.0 | 0.0 | 0.0 | 53.1 | 33.1 | 74 | 54 | -20.9 | -20.9 | H | |
| f Measurement Frequency Dist Distance to Antenna Read Analyzer Reading AF Antenna Factor CL Cable Loss Amp Preamp Gain D Corr Distance Correct to 3 meters Avg Average Field Strength @ 3 m Peak Calculated Peak Field Strength HPF High Pass Filter Avg Lim Average Field Strength Limit Pk Lim Peak Field Strength Limit Avg Mar Margin vs. Average Limit Pk Mar Margin vs. Peak Limit | | | | | | | | | | | | | | | | |

8. SETUP PHOTOS

RADIATED RF MEASUREMENT SETUP FOR PORTABLE CONFIGURATION





Z-AXIS



END OF REPORT