# Cellphone –Mate, Inc.

**ADDENDUM TO TEST REPORT 98360-14A**

## Dual Band Consumer Booster
## Model: EZ CALL

**Tested to The Following Standard:**

**FCC Part 2 / 24**

**Report No.: 98360-14B**

**Date of issue: August 10, 2016**

ACCREDITED
Testing Certificates:
803.01, 803.02, 803.05, 803.06

**This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of EMC testing for CKC Laboratories, Inc.**

**We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.**

Testing the Future
CKC LABORATORIES, INC.

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# ADMINISTRATIVE INFORMATION

## Test Report Information

**REPORT PREPARED FOR:**

Cellphone-Mate, Inc.
48346 Milmont Drive
Fremont CA 94538

Representative: Dennis Findley
Customer Reference Number: CKC20160429

**REPORT PREPARED BY:**

Dianne Dudley
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Project Number: 98360

**DATE OF EQUIPMENT RECEIPT:** April 26, 2016
**DATE(S) OF TESTING:** April 26-May 4, 2016

## Revision History

**Original:** Testing of Dual Band Consumer Booster, Model: EZ-3G, to FCC Part 2/24.
**Addendum A:** Since the time of testing, the manufacturer has chosen to rename the model EZ CALL.
**Addendum B:** To correct calibration typos in section 2.1053 Field Strength of Spurious Radiation.

## Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the sample equipment tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

***Steve Behm***
***Director of Quality Assurance & Engineering Services***
***CKC Laboratories, Inc.***

# Test Facility Information

Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S):
CKC Laboratories, Inc.
1120 Fulton Place
Fremont, CA 94539

# Software Versions

| CKC Laboratories Proprietary Software | Version |
|---|---|
| EMITest Emissions | 5.03.02 |
| EMITest Immunity | 5.03.02 |

# Site Registration & Accreditation Information

| Location | CB # | TAIWAN | CANADA | FCC | JAPAN |
|---|---|---|---|---|---|
| Fremont | US0082 | SL2-IN-E-1148R | 3082B-1 | 958979 | A-0149 |

# SUMMARY OF RESULTS

## Standard / Specification: FCC Part 2/24

| KDB 935210 D03 Wideband Consumer Signal Booster Measurement Guidance v04, Feb 12, 2016 | | FCC Part Section Correlation | | Mods | Results |
|---|---|---|---|---|---|
| **Guidance Sec #** | **Guidance Description** | **FCC Sec #** | **FCC Rule Description** | | |
| | | | | | |
| 7.1 a) - k) | Authorized Frequency Band Verification Test | 20.21(e)(3) | Frequency Bands | NA | NA[1] |
| | | | | | |
| 7.2.2 a) - k) | Maximum Power Measurement Procedure | 2.1046/20.21(e)(8)(i)(D) | Power Limit | NA | NA[1] |
| | | | | | |
| 7.3 a) - d) | Maximum Booster Gain Computation | 20.21(e)(8)(i)(B) | Bidirectional Capabilities | NA | NA[1] |
| | | | | | |
| 7.4 a) - n) | Intermodulation Product | 20.21(e)(8)(i)(F) | Intermodulation Limit | NA | NA[1] |
| | | | | | |
| 7.5 a) - n) | Out of Band Emissions | 20.21(e)(8)(i)(E) | Out of Band Emission | NA | NA[1] |
| | | | | | |
| 7.6 a) - e) | Conducted Spurious Emission | 2.1051/22/24 | Spurious emission | NA | Pass |
| | | | | | |
| 7.7.1 a) - g)<br>7.7.1 h) - n)<br>7.7.2 a) - g) | Noise Limit Procedure<br>Variable Noise<br>Variable Noise Timing | 20.21(e)(8)(i)(A)(2)(i)<br>20.21(e)(8)(i)(A)(1)<br>20.21(e)(8)(i)(H) | Noise Limits<br><br>Transmit Power Off Mode | NA | NA[1] |
| | | | | | |
| 7.8 a) - l) | Uplink inactivity | 20.21(e)(8)(i)(I) | Uplink Inactivity | NA | NA[1] |
| | | | | | |
| 7.9.1 a) - l)<br><br>7.9.2 a) - f) | Variable Booster Gain<br><br>Variable Uplink Gain Timing | 20.21(e)(8)(i)(C) (1), (2)(i)<br>20.21(e)(8)(i)(H) | Booster Gain<br><br>Transmit Power Off Mode | NA | NA[1] |
| | | | | | |
| 7.10.a) - j) | Occupied Band Width | 2.1049/22/24 | Occupied Band Width | NA | Pass |

| KDB 935210 D03 Wideband Consumer Signal Booster Measurement Guidance v04, Feb 12, 2016 | | FCC Part Section Correlation | | Mods | Results |
|---|---|---|---|---|---|
| **Guidance Sec #** | **Guidance Description** | **FCC Sec #** | **FCC Rule Description** | | |
| 7.11.2 a) - r)<br>7.11.3 a) - h)<br>7.11.4 a) - h)<br>(alternate to 7.11.3) | Anti-Oscillation | 20.21(e)(8)(ii)(A) | Anti-Oscillation | NA | NA[1] |
| | | | | | |
| 7.12a) - f) | Radiated Spurious Emission | 2.1053/ 22/24 | Spurious Emission | NA | Pass |
| | | | | | |
| 7.13 a) - c) | Spectrum Block Filter[2] | NA[1] | NA[1] | NA | NA[1] |

Na= Not Applicable
NA[1] = A different standard applies; see applicable test report.

# Modifications During Testing

This list is a summary of the modifications made to the equipment during testing.

| Summary of Conditions |
|---|
| No modifications were made during testing. |
| |

**Modifications listed above must be incorporated into all production units.**

# Conditions During Testing

This list is a summary of the conditions noted to the equipment during testing.

| Summary of Conditions |
|---|
| None |
| |

# EQUIPMENT UNDER TEST (EUT)

During testing numerous configurations may have been utilized. The configurations listed below support compliance to the standard(s) listed in the Summary of Results section.

## Configuration 1

***Equipment Tested:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Switching Power Adapter | GME | GME18A-050300FUR | 1511-0000069 |
| Dual Band Consumer Booster | Cellphone-Mate, Inc. | EZ CALL | 01 |

***Support Equipment:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Signal Generator | Agilent | E4438C | MY42082260 |

# FCC PART(S) 2/ 24

## 2.1049 Occupied Bandwidth

### Test Conditions / Setup

| | | | |
|---|---|---|---|
| Test Location: | CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170 | | |
| Customer: | Cellphone-Mate, Inc. | | |
| Specification: | **7.10 Occupied Band Width** | | |
| Work Order #: | **98360** | Date: | 04/26/2016 |
| Test Type: | **Conducted Emissions** | Time: | 15:53:32 |
| Tested By: | Daniel Bertran | Sequence#: | 1 |
| Software: | EMITest 5.03.02 | | |

***Equipment Tested:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Support Equipment:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Test Conditions / Notes:***

The equipment under test (EUT) is a Fixed Wideband Consumer Booster.
The EUT is placed on the test bench. Evaluation performed at the Outside (Donor) and Inside (Server) antenna port.
The EUT Donor port is a type SMA connector and 50ohm impedance.
The EUT Server port is type F connector and 75ohm impedance.
During testing there is a 75 ohm to 50 ohm matching pad connected to the EUT type F connector.
This matching pad has a 5.8dB correction factor.

Part 24
UL: 1850-1915MHz
DL: 1930-1995MHz

Test environment conditions: 22°C, 48% Relative Humidity, 101.7 kPa
Test procedure:
The test was performed in accordance with section 7.10 of the FCC document: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance v04 Dated February 12, 2016.

Firmware: V1.0

***Test Equipment:***

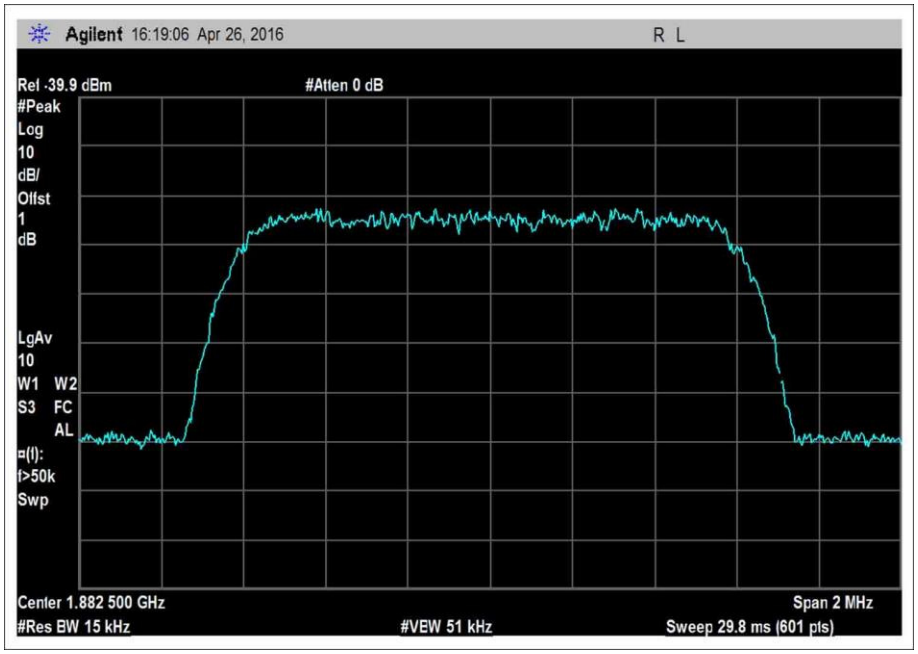
| ID | Asset # | Description | Model | Calibration Date | Cal Due Date |
|---|---|---|---|---|---|
| | ANP06709 | Cable | 32026-29094K-29094K-72TC | 9/18/2014 | 9/18/2016 |
| | ANP06710 | Cable | 32026-29094K-29094K-72TC | 9/18/2014 | 9/18/2016 |
| | AN03470 | Spectrum Analyzer | E4440A | 12/9/2015 | 12/9/2017 |
| | ANP06467 | Attenuator | PE7014-10 | 5/13/2015 | 5/13/2017 |
| | ANP06239 | Attenuator | 54A-10 | 7/9/2014 | 7/9/2016 |

## Summary of Results

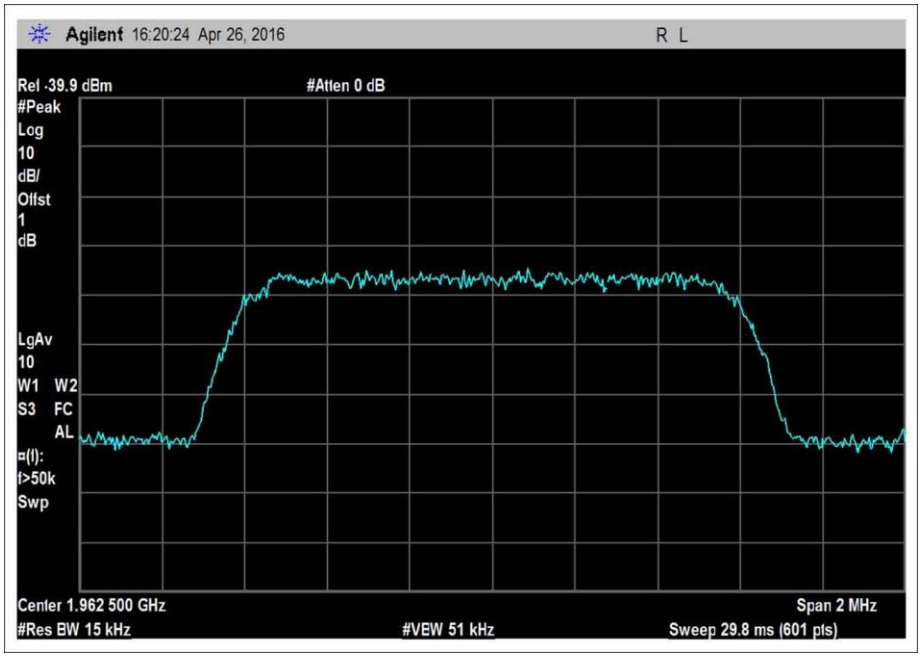
Pass: As summarized in plots below, the uniformity of the output signal relative to the input signal are practically identical. Therefore, the comparison is within limits.

# Plots

## Input – CDMA

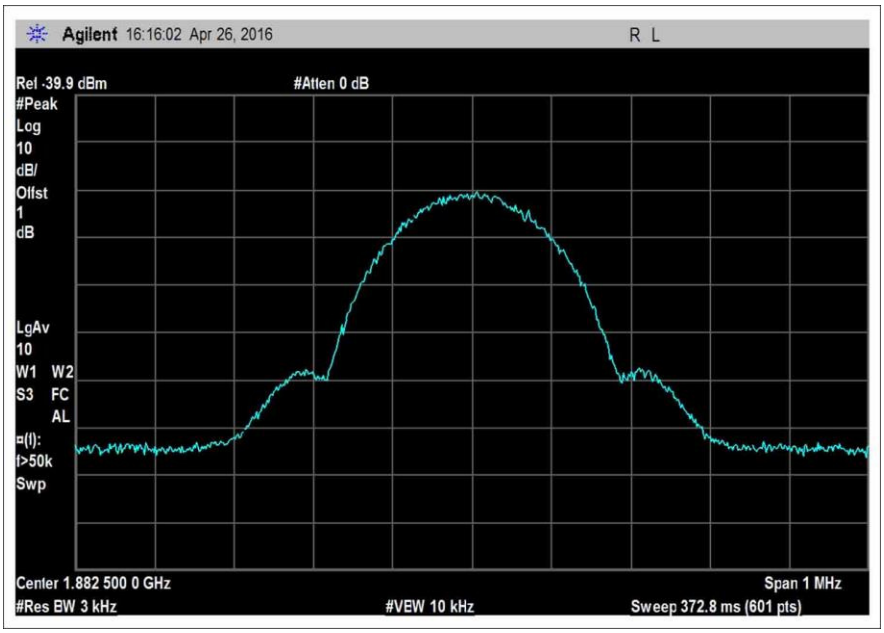



OBW_UL_1850-1915MHz_CDMA

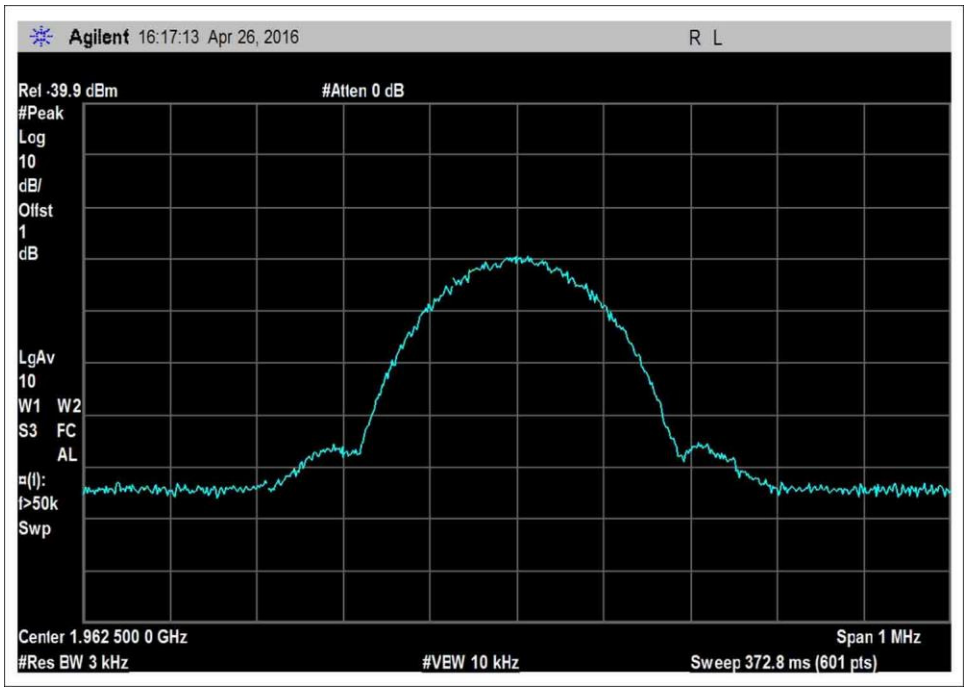



OBW_DL_1930-1995MHz_CDMA

## Input - GSM

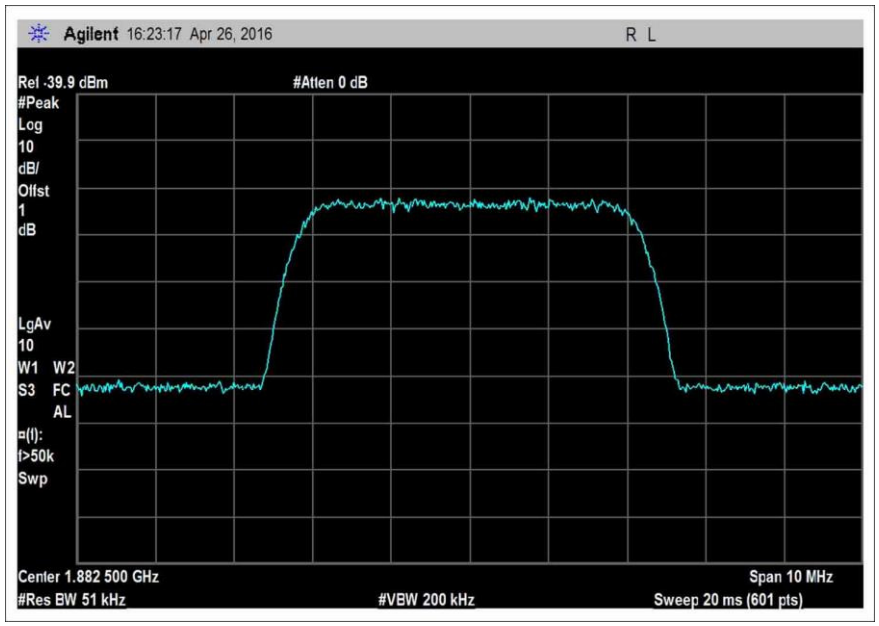



OBW_UL_1850-1915MHz_GSM

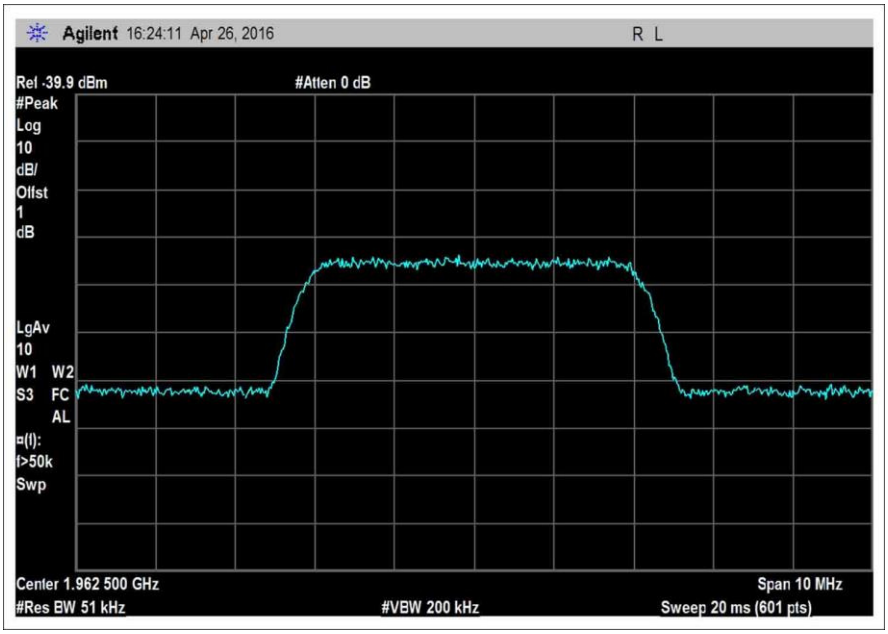



OBW_DL_1930-1995MHz_GSM

## Input – WCDMA

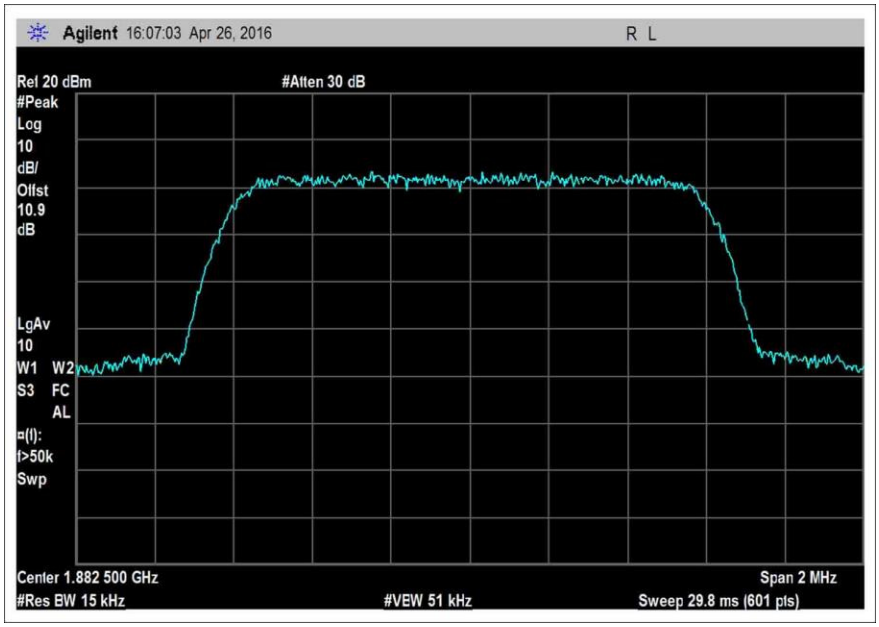



OBW_UL_1850-1915MHz_WCDMA

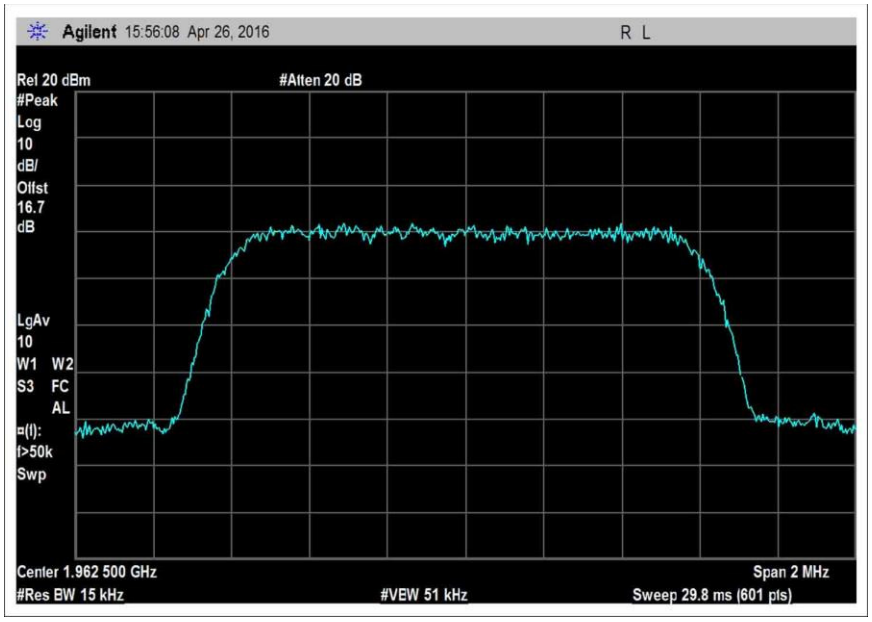



OBW_DL_1930-1995MHz_WCDMA

## Output– CDMA

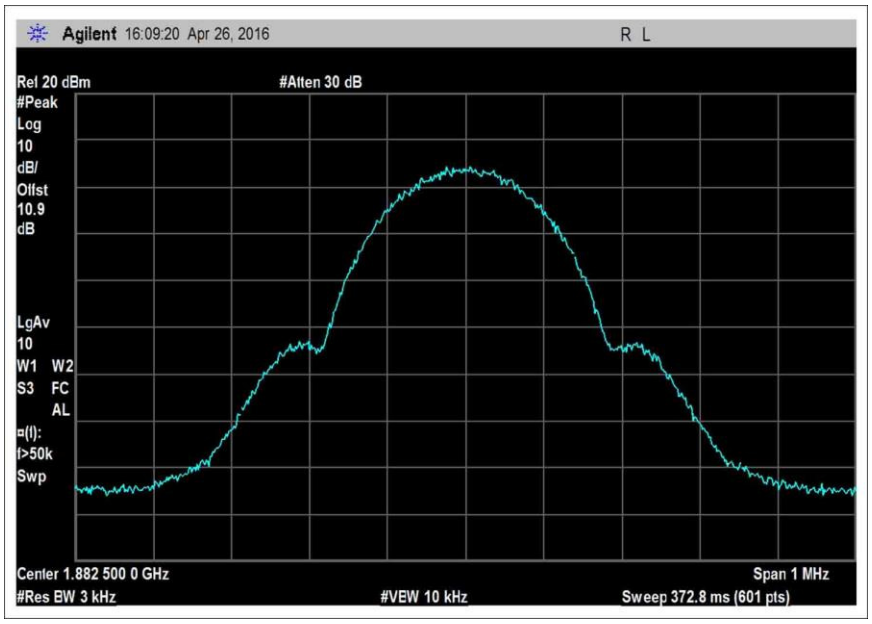



OBW_UL_1850-1915MHz_CDMA

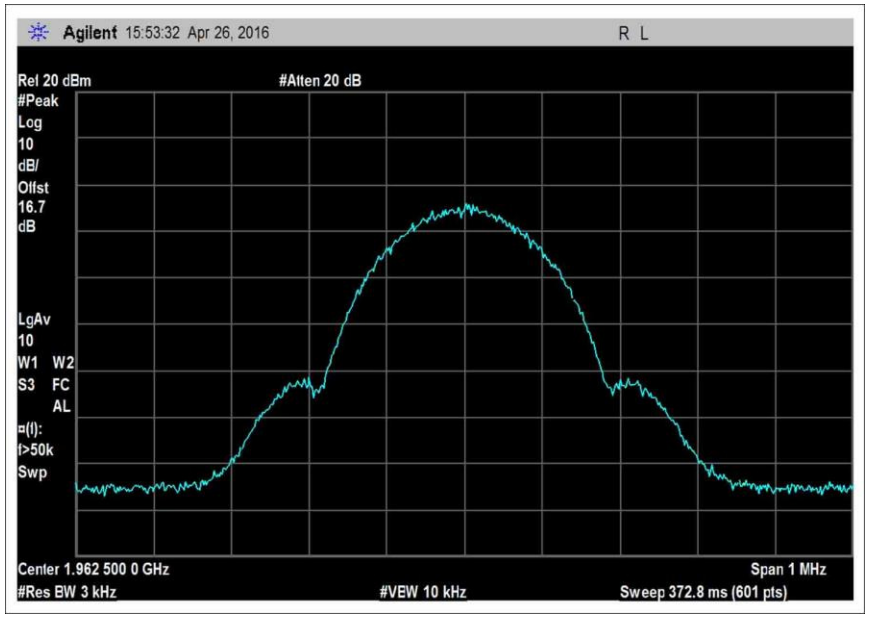



OBW_DL_1930-1995MHz_CDMA

## Output– GSM

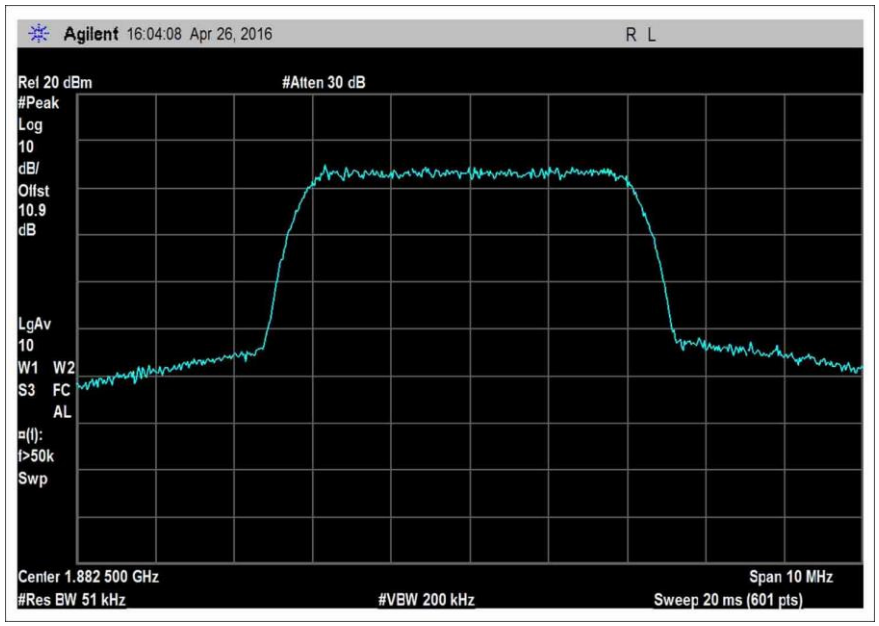



OBW_UL_1850-1915MHz_GSM

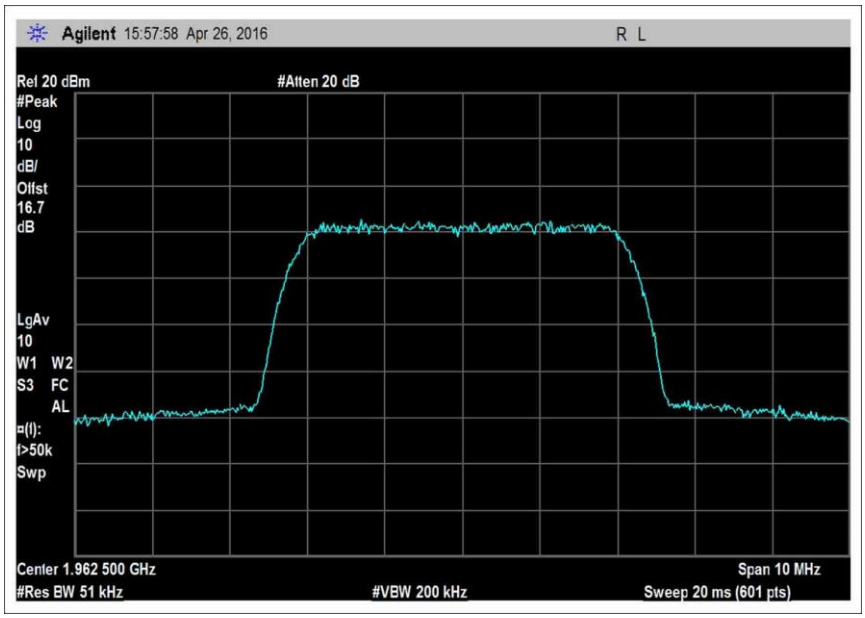



OBW_DL_1930-1995MHz_GSM

## Output – WCDMA

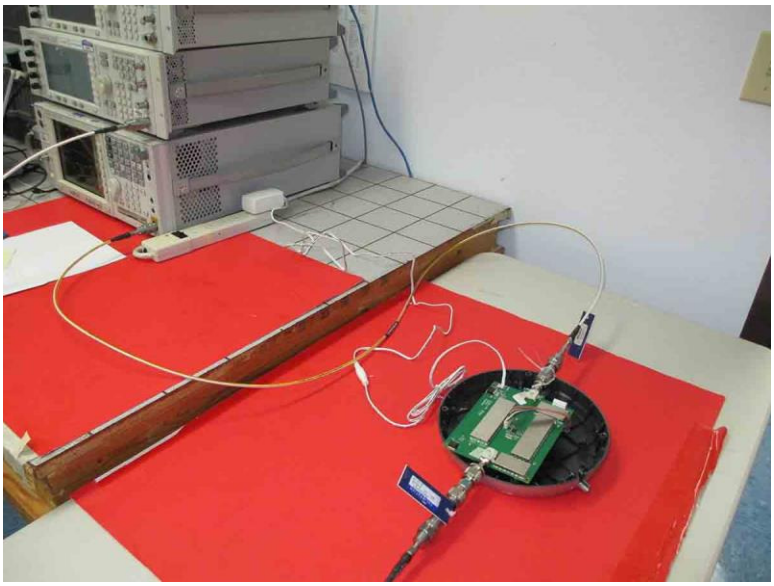



OBW_UL_1850-1915MHz_WCDMA




OBW_DL_1930-1995MHz_WCDMA

## Test Setup Photo(s)



# 2.1051 Spurious Emissions at Antenna Terminals

## Test Conditions / Setup

| | | | |
|---|---|---|---|
| Test Location: | CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170 | | |
| Customer: | Cellphone-Mate, Inc. | | |
| Specification: | **7.6 Conducted Spurious Emissions / 47 CFR §2.1051 Spurious Emissions at Antenna Terminals** | | |
| Work Order #: | **98360** | Date: | 04/26/2016 |
| Test Type: | **Conducted Emissions** | Time: | 15:22:04 |
| Tested By: | Daniel Bertran | Sequence#: | 1 |
| Software: | EMITest 5.03.02 | | |

***Equipment Tested:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Support Equipment:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Test Conditions / Notes:***

The equipment under test (EUT) is a Fixed Wideband Consumer Booster.
The EUT is placed on the test bench. Evaluation performed at the Outside (Donor) and Inside (Server) antenna port.
The EUT Donor port is a type SMA connector and 50ohm impedance.
The EUT Server port is type F connector and 75ohm impedance.
During testing there is a 75ohm to 50ohm matching pad connected to the EUT type F connector.
This matching pad has a 5.8dB correction factor.
Part 24
UL: 1850-1915MHz
DL: 1930-1995MHz
Frequency range of measurement = 9 kHz- 9 GHz.

| | | | |
|---|---|---|---|
| 9 kHz - | 150 kHz -> | RBW= 200Hz | VBW= 200Hz |
| 150 kHz - | 30 MHz -> | RBW= 9kHz | VBW= 9kHz |
| 30 MHz - | 1000MHz -> | RBW*= 1MHz | VBW= 3MHz |
| 1000 MHz - | 22000MHz -> | RBW= 1MHz | VBW= 3MHz |

*Note: As specified on 7.6 Conducted spurious emissions test procedure of 935210 D03 Signal Booster Measurements v04, for frequencies below 1 GHz, an RBW of 1 MHz may be used in a preliminary measurement. If non-compliant emissions are detected, a final measurement shall be made with a 100 kHz RBW. Additionally, a peak detector may also be used for the preliminary measurement. If non-compliant emissions are detected then a final measurement of these emissions shall be made with the power averaging (RMS) detector.

Test environment conditions: 22°C, 48% Relative Humidity,101.7kPa

Test procedure: The test was performed in accordance with section 7.1 of the FCC document: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance v04 Dated February 12, 2016.
Firmware: V1.0

***Test Equipment:***

| ID | Asset #/ | Description | Model | Calibration Date | Cal Due Date |
|---|---|---|---|---|---|
| | ANP06709 | Cable | 32026-29094K-29094K-72TC | 9/18/2014 | 9/18/2016 |
| | ANP06710 | Cable | 32026-29094K-29094K-72TC | 9/18/2014 | 9/18/2016 |
| | AN03470 | Spectrum Analyzer | E4440A | 12/9/2015 | 12/9/2017 |
| | ANP06467 | Attenuator | PE7014-10 | 5/13/2015 | 5/13/2017 |
| | ANP06239 | Attenuator | 54A-10 | 7/9/2014 | 7/9/2016 |

## Summary of Results

Pass: As summarized in plots below, the conducted spurious emissions are within limits.

**9kHz-30 MHz**

No Conducted Spurious Emissions were found within 20dB of the limit.

## LIMIT LINE FOR SPURIOUS CONDUCTED EMISSION

LIMIT LINE FOR SPURIOUS CONDUCTED EMISSION

**REQUIRED ATTENUATION = 43+10 LOG P DB**

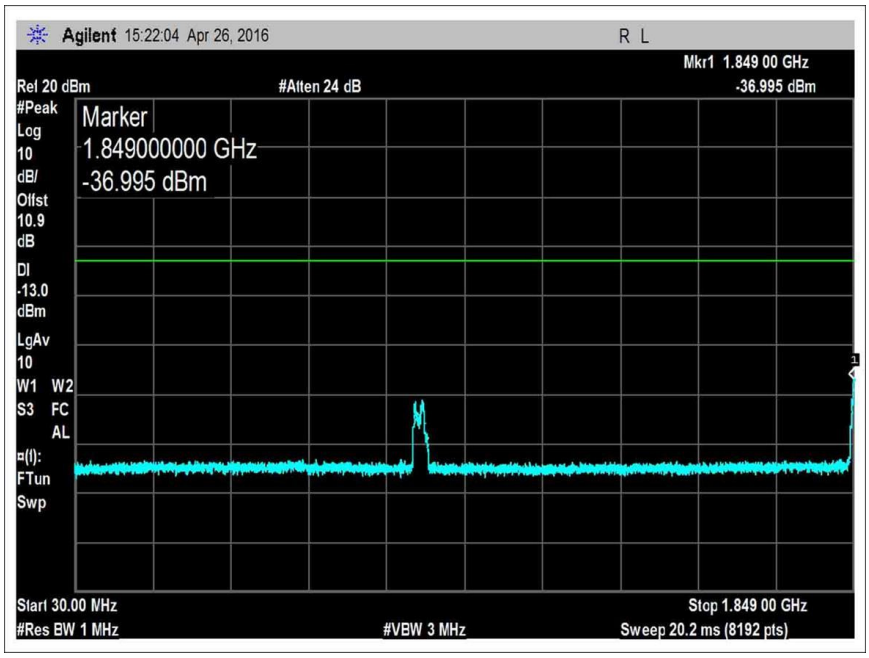
Limit line (dBuV) = $V_{dBuv}$ - Attenuation

$$V_{dBuV} = 20 \text{ Log } \frac{V}{1 \text{ x } 10^{-6}}$$
$$= 20\left(\text{Log } V - \text{Log } 1 \text{ x } 10^{-6}\right)$$
$$= 20 \text{ Log } V - 20 \text{ Log} 1 \text{ x } 10^{-6}$$
$$= 20 \text{ Log } V - 20(-6)$$
$$= 20 \text{ Log } V + 120$$

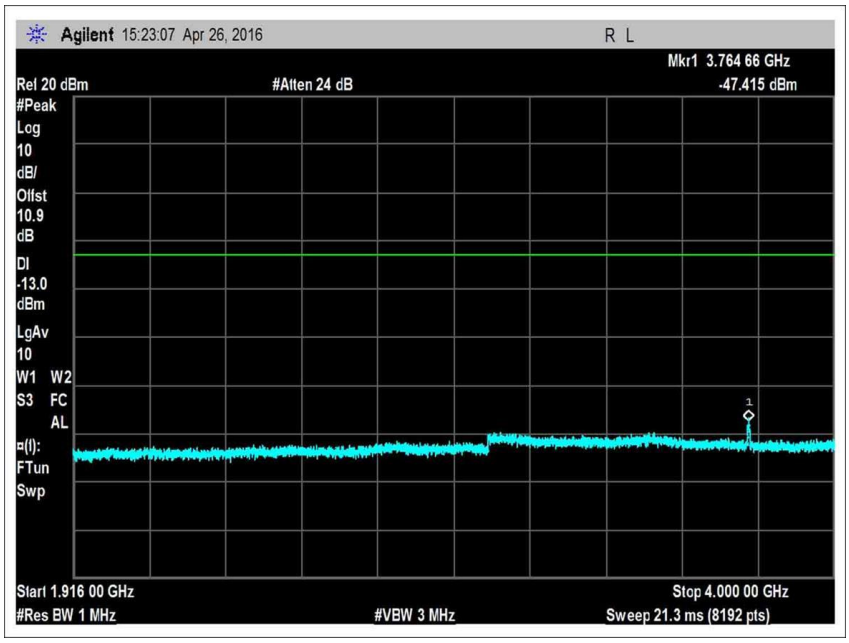
$$\text{Attenuation} = 43 + 10 \text{ Log } P$$
$$= 43 + 10 \text{ Log } \frac{V^2}{R}$$
$$= 43 + 10\left(\text{Log } V^2 - \text{Log } R\right)$$
$$= 43 + 10\left(2 \text{ Log } V - \text{Log } R\right)$$
$$= 43 + 20 \text{ Log } V - 10 \text{ Log } R$$

Limit line = $V_{dBuv}$ - Attenuation
= 20 Log V + 120 – (43 + 20 Log V – 10Log R)
= 20 Log V + 120 – 43 – 20 Log V + 10Log R
= 20 Log V + 120 – 43 – 20 Log V + 10Log R
= 120 – 43 + 10 Log 50 Note: R = 50 Ω
= 120 –43 + 16.897
= 94 dBuV at any power level

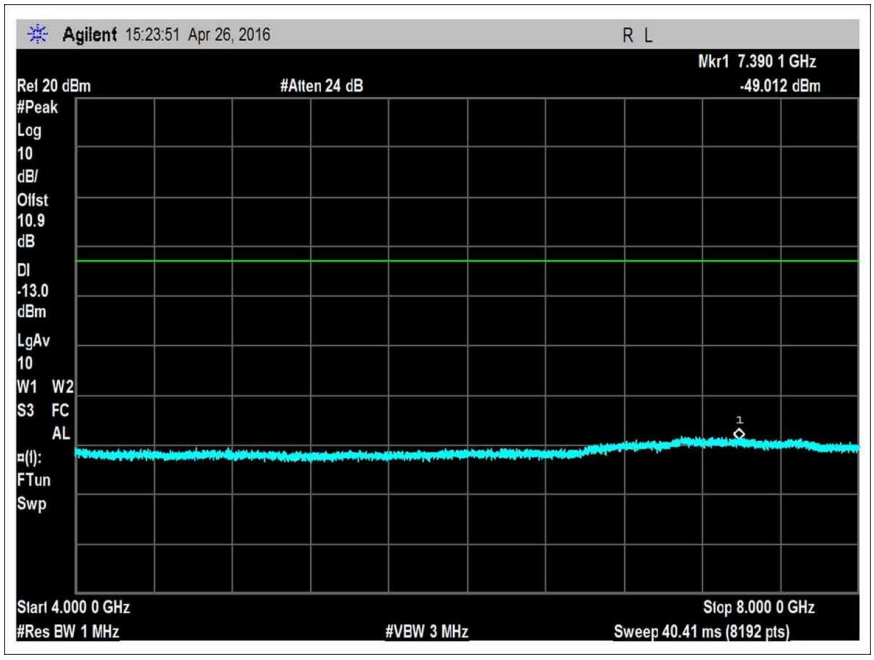
## Plots



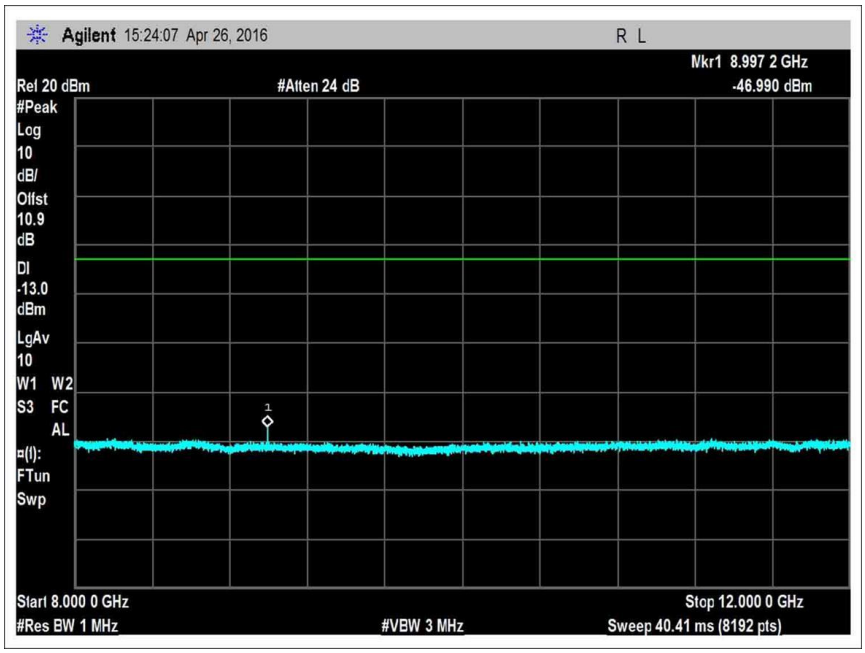

2.1051_UL_1850-1915MHz_L



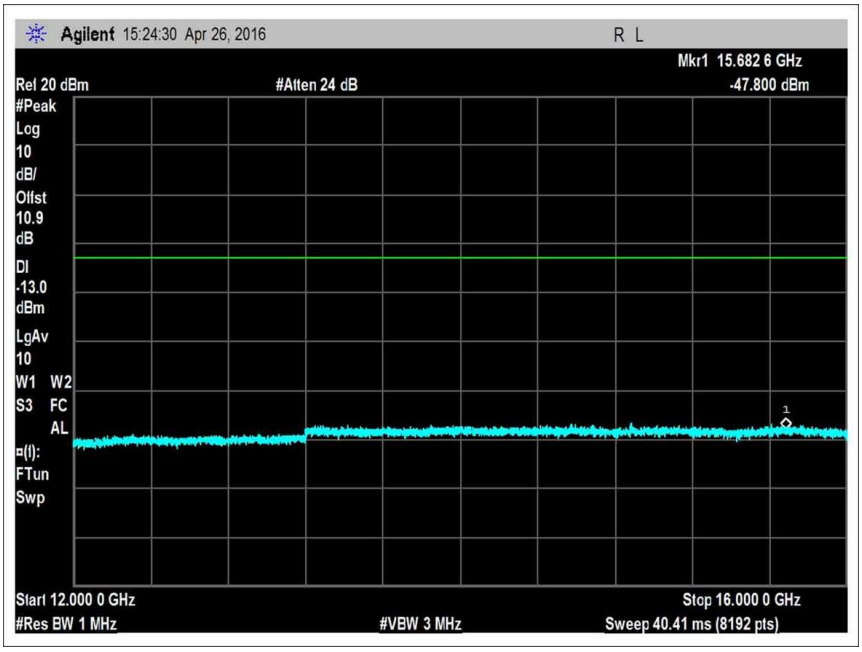

2.1051_UL_1850-1915MHz_R1



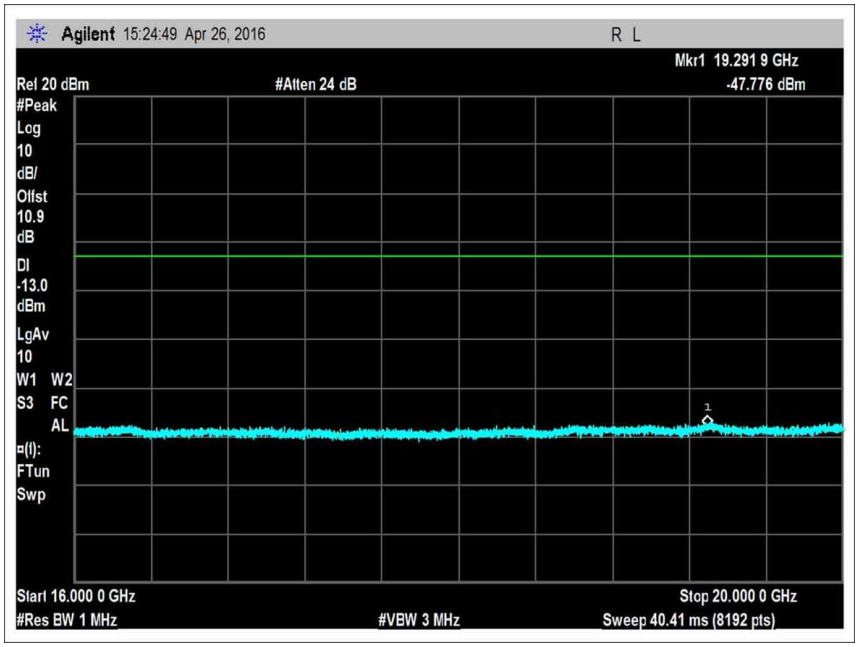

2.1051_UL_1850-1915MHz_R2



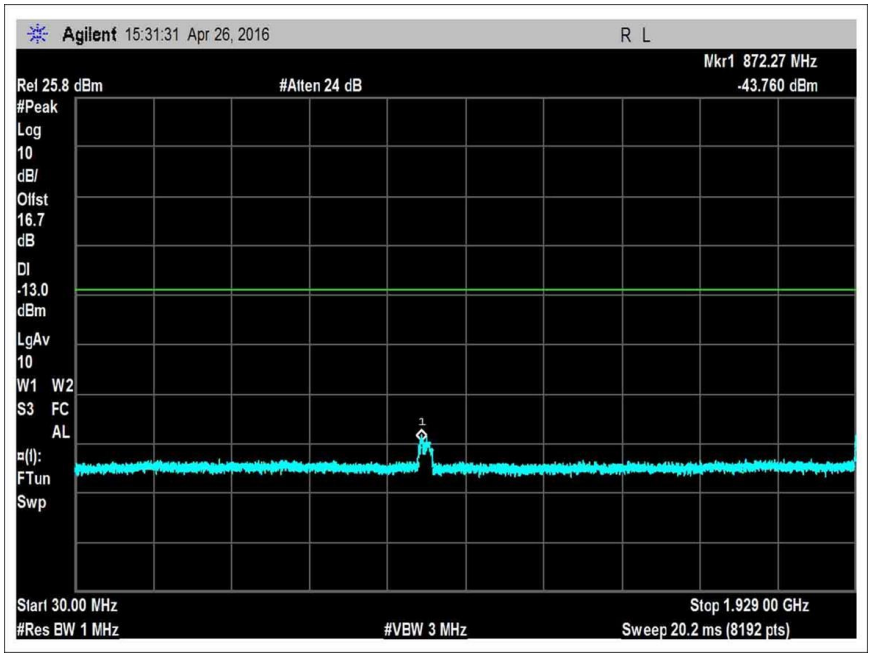

2.1051_UL_1850-1915MHz_R3



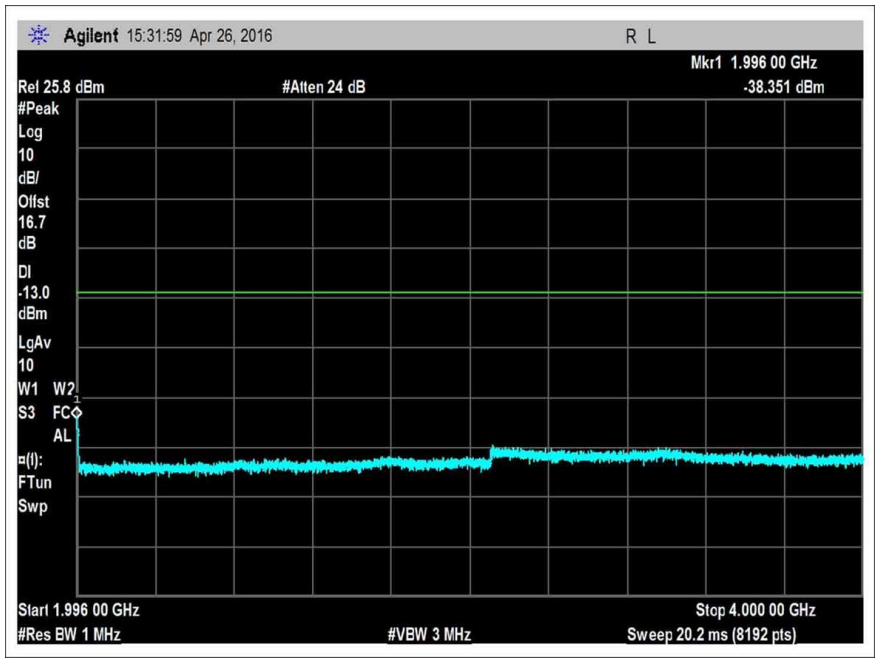

2.1051_UL_1850-1915MHz_R4



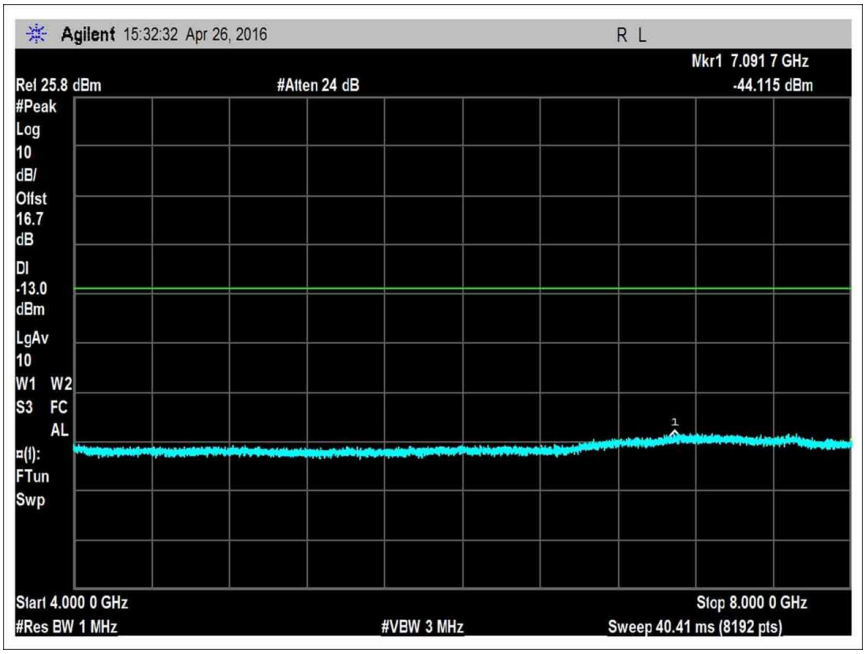

2.1051_UL_1850-1915MHz_R5



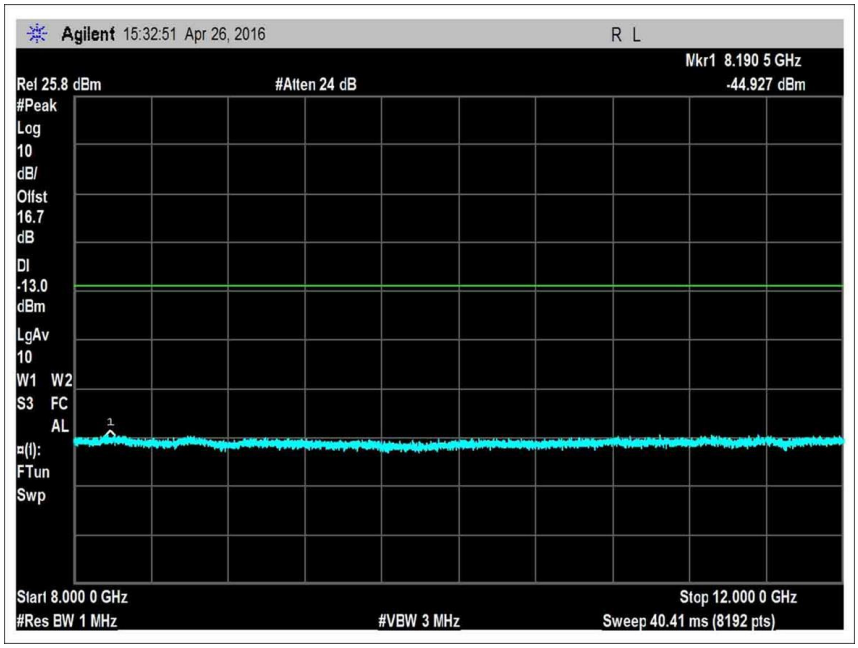

2.1051_DL_1930-1995MHz_L



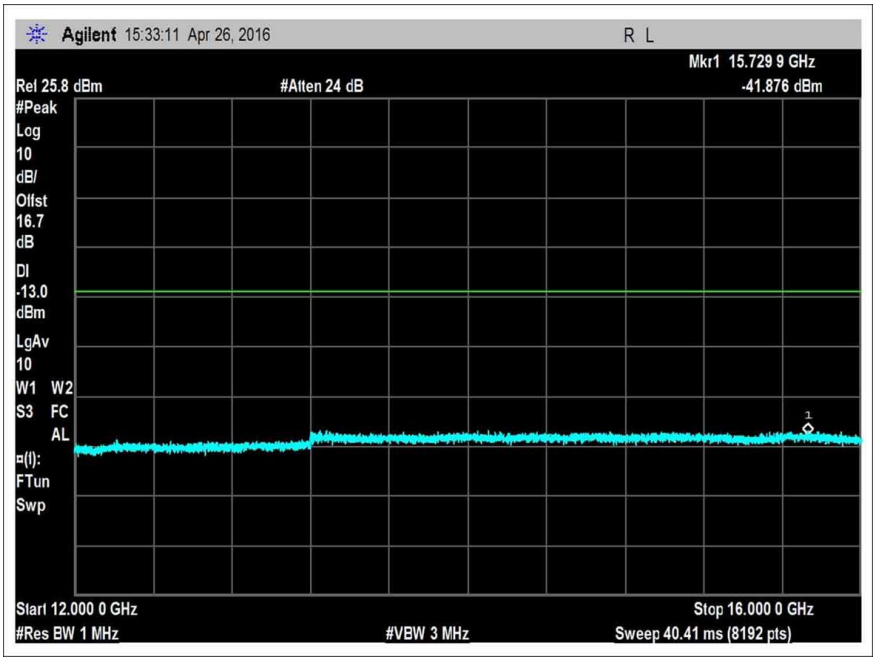

2.1051_DL_1930-1995MHz_R1



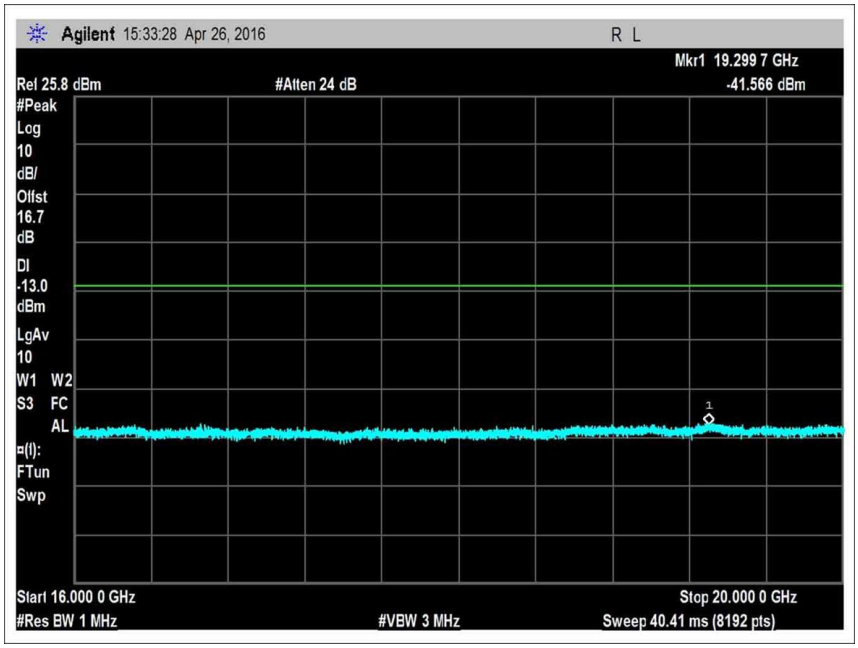

2.1051_DL_1930-1995MHz_R2




2.1051_DL_1930-1995MHz_R3

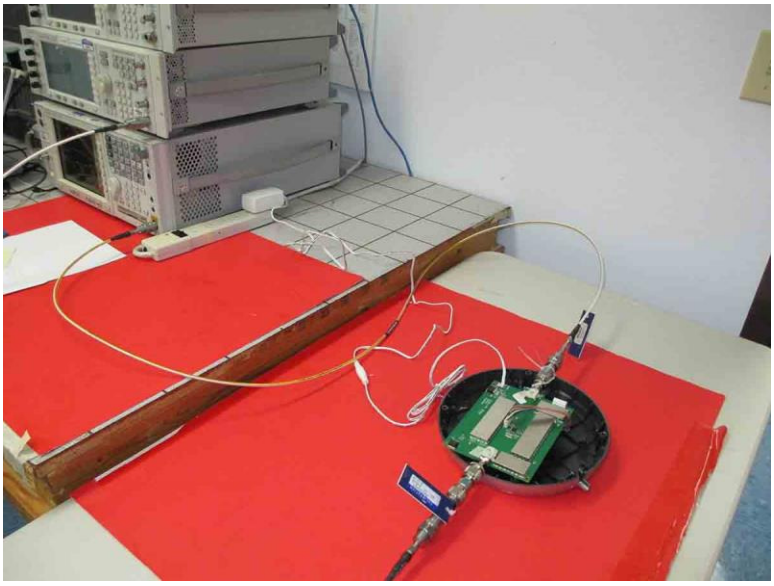



2.1051_DL_1930-1995MHz_R4




2.1051_DL_1930-1995MHz_R5

## Test Setup Photo(s)



# 2.1053 Field Strength of Spurious Radiation

## Test Conditions / Setup

| | | | |
|---|---|---|---|
| Test Location: | CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170 | | |
| Customer: | Cellphone-Mate, Inc. | | |
| Specification: | **47 CFR §22.917(a) Radiated Spurious Emissions** | | |
| Work Order #: | **98360** | Date: | 05/04/2016 |
| Test Type: | **Radiated Emissions** | Time: | 08:23:39 |
| Tested By: | Daniel Bertran | Sequence#: | 1 |
| Software: | EMITest 5.03.02 | | |

***Equipment Tested:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Support Equipment:***

| Device | Manufacturer | Model # | S/N |
|---|---|---|---|
| Configuration 1 | | | |

***Test Conditions / Notes:***

The equipment under test (EUT) is a Fixed CMRS Wideband Consumer Booster. During testing, the (EUT) is placed on the Styrofoam table top. Five different CW signals (one per each band) are injected sequentially to the input port of EUT using a signal generator. The signal generator is set to produce a CW signal with the frequency set to the center of each operational band under test and the power level is set at Pin (obtained for report 98021-25) as determined from 7.2 section of the test procedure indicated further below. Evaluation of DL path was performed with signals fed into the Outside antenna port while Inside antenna port was terminated with 50 Ohm Pasternack load (MN: PE6187 / SN: 1443). Evaluation of UL path was performed with signal fed into the Inside antenna port while Outside antenna port was terminated with the same above 50 Ohm load.

Part 24
UL: 1850-1915MHz DL: 1930-1995MHz
UL: 824-849MHz DL: 869-894MHz

TX Freq = > Center frequency of above listed bands.
Modulation=> CW

Frequency range of measurement = 9 kHz- 22GHz.

| | | |
|---|---|---|
| 9 kHz - 150 kHz -> | RBW=200 Hz | VBW=200 Hz |
| 150 kHz - 30 MHz -> | RBW=9 kHz | VBW=9kHz |
| 30 MHz - 1000MHz -> | RBW=120 kHz | VBW=120 kHz |
| 1000 MHz-22000MHz -> | RBW=1 MHz | VBW=1 MHz |

Test environment conditions: 21°C, 50% Relative Humidity, 101.1 kPa

Test procedure: in accordance with section 7.12 of the FCC document: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance v04 Dated February 12, 2016.

Firmware: V3.0
Note: No spurious emissions were found within 20dB of the limit line.

***Test Equipment:***

| ID | Asset # | Description | Model | Calibration Date | Cal Due Date |
|---|---|---|---|---|---|
| | AN00852 | Biconilog Antenna | CBL 6111C | 11/24/2014 | 11/24/2016 |
| | ANP00880 | Cable | RG214U | 6/13/2014 | 6/13/2016 |
| | ANP06691 | Cable | PE3062-180 | 8/8/2014 | 8/8/2016 |
| | AN00567 | Preamp | 8447D | 1/2/2015 | 1/2/2017 |
| | ANP01187 | Cable | CNT-195 | 12/30/2014 | 12/30/2016 |
| | AN03471 | RF Characteristics Analyzer | E4440A | 1/4/2016 | 1/4/2018 |
| | AN02113 | Horn Antenna | 3115 | 2/3/2015 | 2/3/2017 |
| | ANP06900 | Cable | 32022-29094K-29094K-36TC | 12/30/2015 | 12/30/2017 |
| | AN03303 | Preamp | AMF-7D-00101800-30-10P | 1/4/2016 | 1/4/2018 |
| | ANP01210 | Cable | FSJ1P-50A-4A | 1/15/2015 | 1/15/2017 |
| | AN03302 | Cable | 32026-29094K-29094K-72TC | 3/24/2014 | 3/24/2016 |
| | AN02693 | Active Horn Antenna-ANSI C63.5 3m | AMFW-5F-12001800-20-10P | 5/6/2015 | 5/6/2017 |
| | ANP06126 | Cable | 32022-29094K-29094K-168TC | 3/18/2015 | 3/18/2017 |
| | ANP00928 | Cable | various | 1/25/2016 | 1/25/2018 |
| | ANP06901 | Cable | 32022-29094K-29094K-36TC | 12/30/2015 | 12/30/2017 |
| | AN02694 | Horn Antenna-ANSI C63.5 3m | AMFW-5F-18002650-20-10P | 5/7/2015 | 5/7/2017 |
| | ANP00929 | Cable | various | 1/25/2016 | 1/25/2018 |
| | AN00432 | Loop Antenna | 6502 | 5/8/2015 | 5/8/2017 |
| | ANP06710 | Cable | 32026-29094K-29094K-72TC | 9/18/2014 | 9/18/2016 |
| | ANP06467 | Attenuator | PE7014-10 | 5/13/2015 | 5/13/2017 |

## Summary of Results

Pass: All Radiated Spurious Emissions were found with more than 20dB margin of the limit line except specific frequency indicated below:

**Frequency Range of measurement 9kHz –> 22GHz**

Worst spurious emissions were recorded at 8.9GHz.

| | |
|---|---|
| **Operating Frequency(ies):** | UL: 1850-1915MHz DL: 1930-1995MHz<br>UL: 824-849MHz DL: 869-894MHz |
| **Operational Mode(s):** | CW |
| **Highest Measured Power:** | 21 dBm |
| **Measurement Distance:** | 3 meters |

| **Frequency Range** | | **Limit (dBc)** | **Limit Calculation** | |
|---|---|---|---|---|
| 9kHz - 22GHz | | 34 | 43+10*LOG(P) | |
| **Frequency (MHz)** | **Reference Level (dBm)** | **Measured (dBc)** | **Margin** | **Antenna Polarity** |
| 8989.445 | -21.8* | 42.8 | -8.8 | Vertical |

*Average reading was obtained using RBW=1MHz.
Spurious emissions indicated above were observed even without injecting any signal to the input port of the E.

## LIMIT LINE FOR SPURIOUS RADIATED EMISSION

LIMIT LINE FOR SPURIOUS RADIATED EMISSION

**REQUIRED ATTENUATION = 43+10 LOG P (DB)**

For radiated spurious emission measured at 3 meter test distance,

Required attenuation = 43+10 Log $P_{t\ at\ 3\ meter}$ dB
Limit line (dBuV) = $E_{dBuv}$ - Attenuation

$E_{dBuv}$ = Measured field strength at 3 meter in dBuV/m

**Power Density (Isotropic)**

$$P_D = \frac{P_t}{4\pi r^2}$$

$P_D$ = Power Density in Watts /$m^2$
Pt = Average Transmit Power
r = Test distance

**Field Intensity E (V/m)**

$$E = \sqrt{P_D \text{ x } 377}$$

$$E = \frac{\sqrt{P_t \text{ x } 377}}{4\pi r^2}$$

$$E = \sqrt{\frac{P_t \text{ x } 30}{r^2}}$$

$$P_t = \left( \frac{E^2 \text{ x } r^2}{30} \right)$$

10 Log $P_t$ = 10 Log $E^2$ (V/m)+ 10 Log $r^2$ – 10 Log 30

10 Log $P_t$ = 20 Log E (V/m) + 20 Log r – 10 Log 30

At 3 meter, r = 3 m

10 Log $P_t$ = 20 Log E (V/m) + 20 Log 3 – 10 Log 30

10 Log $P_t$ = 20 Log E (V/m) + 9.54 – 14.77

10 Log $P_t$ = 20 Log E (V/m) - 5.23

***<u>Since 20 Log E (V/m) = 20 Log E (uV/m) –120</u>***

10 Log $P_t$ = 20 Log E (uV/m) - 120 - 5.23

10 Log $P_t$ = 20 Log E (uV/m) –125.23

Limit line (dBuV) at 3 meter = $E_{dBuv}$ – Attenuation

= $E_{dBuv}$ - ( 43+10 Log $P_{t\ at\ 3\ meter}$ )

= $E_{dBuv}$ - 43 - 10 Log $P_{t\ at\ 3\ meter}$

= $E_{dBuv}$ - 43 – (20 Log E (uV/m) –125.23)

= $E_{dBuv}$ - 43 - 20 Log E (uV/m) + 125.23

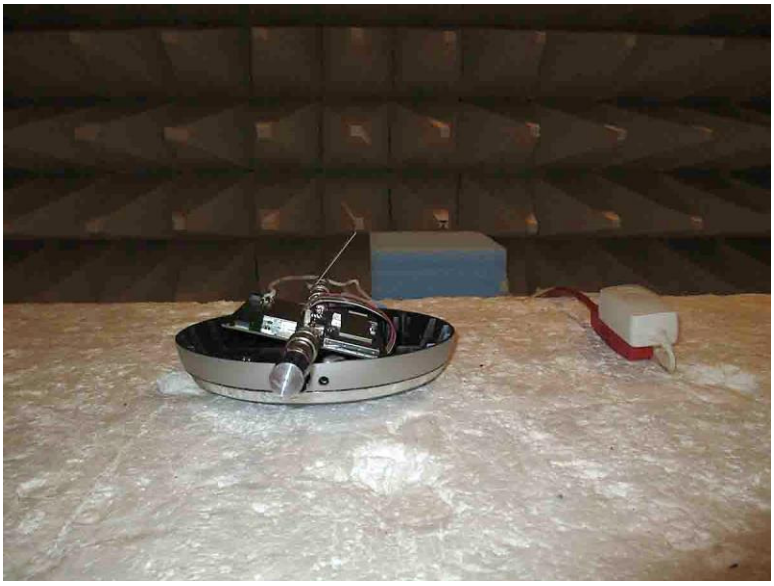
= $E_{dBuv}$ - 20 Log E (uV/m) + 82.23

Since 20 Log E (uV/m) = E in dBuV/m

= $\cancel{E_{dBuv}}$ - $\cancel{E_{dBuv}}$ + 82.23

Radiated Emission limit 3 meter = 82.23 dBuV at any power level measured in dBuV

## Test Setup Photo(s)



# SUPPLEMENTAL INFORMATION

## Measurement Uncertainty

| Uncertainty Value | Parameter |
|---|---|
| 4.73 dB | Radiated Emissions |
| 3.34 dB | Mains Conducted Emissions |
| 3.30 dB | Disturbance Power |

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2.