



**TEST REPORT
FROM
RFI GLOBAL SERVICES LTD**

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)

To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
& RSS-Gen Issue 2 June 2007

Test Report Serial No:
RFI/ RPTE2/ RP49741D05A

Supersedes Test Report Serial No:
RFI/ RPTE1/ RP49741D05A

| | |
|--|--|
| This Test Report Is Issued Under The Authority Of Steve Flooks, Service Leader Radio Performance Group: |  pp Brian Watson |
| Checked By: Brian Watson  | Report Copy No: PDF01 |
| Issue Date: 31 March 2008 | Test Dates: 14 February to 22 February 2008 |

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Test of: Enfora Inc.

Enfora Enabler IIIIGBGA (GSM0408)

To: FCC Part 22: 2007, FCC Part 24: 2007,

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1. Client Information

| | |
|----------------------|--|
| Company Name: | Enfora Inc. |
| Address: | 251 Renner Parkway Richardson Texas 75080 USA |
| Contact Name: | Mr R Holden |

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2. Equipment Under Test (EUT)

The following information (with the exception of the Date of Receipt) has been supplied by the client:

2.1. Identification of Equipment Under Test (EUT)

| | |
|--------------------------------|-------------------------|
| Description: | GSM/GPRS BGA Module |
| Brand Name: | Enfora |
| Model Name or Number: | GSM0408 Enabler IIIGBGA |
| Serial Number: | None Stated |
| IMEI Number: | 001036000150428 |
| Hardware Version: | 1 |
| Software Version: | 1.1.1 |
| FCC ID Number: | MIVGSM0408 |
| Country of Manufacture: | USA / China |
| Date of Receipt: | 14 February 2008 |

2.2. Support Equipment

The following support equipment was used to exercise the EUT during testing:

| | |
|-------------------------------|-----------------------------|
| Description: | Switching Mode Power Supply |
| Brand Name: | None Stated |
| Model Name or Number: | SMP-2000A |
| Serial Number: | None stated |
| Cable Length and Type: | 2m Twin Core |
| Connected to Port: | SDK Power |

| | |
|-------------------------------|-----------------------|
| Description: | SDK Development Board |
| Brand Name: | Enfora |
| Model Name or Number: | SDK0408 |
| Serial Number: | None stated |
| Cable Length and Type: | Not applicable |
| Connected to Port: | Not applicable |

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2.3. Description of EUT

The EUT is a GSM/GPRS module.

2.4. Modifications Incorporated in EUT

During the course of testing the EUT was not modified.

2.5. Additional Information Related to Testing

| | |
|--|--|
| Power Supply Requirement: | Nominal 110 V, 60 Hz AC Mains Supply (supplying 5 V into SDK, SDK converts to 3.6 to deliver to module) |
| Intended Operating Environment: | Within GSM coverage |
| Equipment Category: | GSM/GPRS |
| Type of Unit: | Modular Transceiver |
| Modulation Type: | GMSK |
| Channel Spacing: | 200 kHz |
| Antenna Type: | External |
| Antenna Gain: | 850 band 1.1dBi 1900 band -1.31dBi |
| Antenna Connection: | Balls on Module |

FCC Part 22 and RSS-132

| | | | |
|------------------------------------|------------------------|-----------------------|--------------------------------|
| Transmit Frequency Range: | 824.2 MHz to 848.8 MHz | | |
| Transmit Channels Tested: | Channel ID | Channel Number | Channel Frequency (MHz) |
| | Bottom | 128 | 824.2 |
| | Middle | 190 | 836.6 |
| | Top | 251 | 848.8 |
| Receive Frequency Range: | 869.2 MHz to 893.8 MHz | | |
| Receive Channels Tested: | Channel ID | Channel Number | Channel Frequency (MHz) |
| | Bottom | 128 | 869.2 |
| | Middle | 190 | 881.4 |
| | Top | 251 | 893.8 |
| Maximum Power Output (ERP): | 33.1 dBm | | |

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Additional Information Related to Testing (continued)

FCC Part 24 and RSS-133

| | | | |
|-------------------------------------|--------------------------|-----------------------|--------------------------------|
| Transmit Frequency Range: | 1850.2 MHz to 1909.8 MHz | | |
| Transmit Channels Tested: | Channel ID | Channel Number | Channel Frequency (MHz) |
| | Bottom | 512 | 1850.2 |
| | Middle | 660 | 1879.8 |
| | Top | 810 | 1909.8 |
| Receive Frequency Range: | 1930.2 MHz to 1989.8 MHz | | |
| Receive Channels Tested: | Channel ID | Channel Number | Channel Frequency (MHz) |
| | Bottom | 512 | 1930.2 |
| | Middle | 660 | 1959.8 |
| | Top | 810 | 1989.8 |
| Maximum Power Output (EIRP): | 32.7 dBm | | |

2.6. Port Identification

| Port | Description | Type / Length | Applicability |
|------|-------------|---------------|---------------|
| 1. | RS232 x 2 | RS232 | No |
| 2. | Antenna | SMA | No |
| 3. | DC Input | 2-Core | Yes |

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3. Test Specification, Methods and Procedures

| | |
|-------------------|--|
| Reference: | FCC Part 22: 2007 Subpart H (Cellular Radiotelephone Service) |
| Title: | Code of Federal Regulations, Part 22 (47CFR22) Personal Communication Services. |

| | |
|-------------------|--|
| Reference: | FCC Part 24: 2007 Subpart E (Broadband PCS) |
| Title: | Code of Federal Regulations, Part 24 (47CFR24) Personal Communication Services. |

| | |
|-------------------|--|
| Reference: | RSS-Gen Issue 2 June 2007 |
| Title: | General Requirements and Information for the Certification of Radiocommunication Equipment |

| | |
|-------------------|--|
| Reference: | RSS-132 Issue 2 September 2005 |
| Title: | Cellular Telephones Employing New Technologies Operating in the Bands 824-849 MHz and 869-894 MHz |

| | |
|-------------------|--|
| Reference: | RSS-133 Issue 4 February 2008 |
| Title: | 2 GHz Personal Communications Services |

3.1. Methods and Procedures

The methods and procedures used were as detailed in:

ANSI/TIA-603-B-2003

Land Mobile Communications Equipment, Measurements and performance Standards

ANSI C63.2 (1987)

Title: American National Standard for Instrumentation - Electromagnetic noise and field strength.

ANSI C63.4 (2003)

Title: American National Standard Methods of Measurement of Electromagnetic Emissions from Low Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

ANSI C63.5 (1988)

Title: American National Standard for the Calibration of antennas used for Radiated Emission measurements in Electromagnetic Interference (EMI) control.

ANSI C63.7 (1988)

Title: American National Standard Guide for Construction of Open Area Test Sites for performing Radiated Emission Measurements.

CISPR 16-1: (1999)

Title: Specification For Radio Disturbance and Immunity Measuring Apparatus and Methods. Part 1: Radio Disturbance and Immunity Measuring Apparatus.

3.2. Definition of Measurement Equipment

The measurement equipment used complied with the requirements of the standards referenced in the methods & procedures Section above. Appendix 1 contains a list of the test equipment used.

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4. Deviations from the Test Specification

There were no deviations from the test specification.

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5. Operation of the EUT during Testing

5.1. Operating Modes

The EUT was tested in the following operating modes, unless otherwise stated.

- GSM 850 Allocated and Idle Mode.
- GSM 1900 Allocated and Idle Mode.
- (GSM and GPRS)

Initially tested in all operating modes to establish the worst case (which was GSM Mode), all tests were then performed in this mode.

5.2. Configuration and Peripherals

The EUT was tested in the following configuration unless otherwise stated:

- Powered via the supplied switching mode power supply with a radio link to a GSM tester established.
 - The module was built onto a development board for test purposes.
-

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6. Summary of Test Results

FCC Part 22 and RSS-132 (GSM 850 band)

| Range of Measurements | FCC Part Reference | IC RSS Reference | Port Type | Compliance Status |
|---|--------------------|------------------|-------------------|-------------------|
| Receiver/Idle AC Conducted Spurious Emissions (150 kHz to 30 MHz) | 15.107 | RSS-Gen 7.2.2 | AC Mains Input | Complied |
| Receiver/Idle Radiated Spurious Emissions | 15.109 | RSS-Gen 6.0 | Antenna | Complied |
| Transmitter Carrier Output Power | 2.1046(a) | RSS-132 4.4 | Antenna Terminals | Complied |
| Transmitter Frequency Stability (Temperature Variation) | 22.355 | RSS-132 4.3 | Antenna Terminals | Complied |
| Transmitter Frequency Stability (Voltage Variation) | 22.355 | RSS-132 4.3 | Antenna Terminals | Complied |
| Transmitter Occupied Bandwidth | 2.1049 | RSS-Gen 4.6.1 | Antenna Terminals | Complied |
| Transmitter Out of Band Conducted Emissions | 2.1051/22.917 | RSS-132 4.5 | Antenna Terminals | Complied |
| Transmitter Band Edge Conducted Emissions | 2.1051/22.917 | RSS-132 4.5 | Antenna Terminals | Complied |
| Transmitter Out of Band Radiated Emissions | 2.1053/22.917 | RSS-132 4.5 | Antenna | Complied |
| Transmitter Band Edge Radiated Emissions | 2.1053/22.917 | RSS-132 4.5 | Antenna | Complied |

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Summary of Test Results (continued)

FCC Part 24 and RSS-133 (GSM 1900 band)

| Range of Measurements | FCC Part Reference | IC RSS Reference | Port Type | Compliance Status |
|---|--------------------|-------------------|-------------------|-------------------|
| Receiver/Idle AC Conducted Spurious Emissions (150 kHz to 30 MHz) | 15.107 | RSS-Gen 7.2.2 | AC Mains Input | Complied |
| Receiver Radiated Spurious Emissions | 15.109 | RSS-133 6.6 | Antenna | Complied |
| Transmitter Carrier Output Power | 2.1046(a) | RSS-133 4.1 & 6.4 | Antenna Terminals | Complied |
| Transmitter Frequency Stability (Temperature Variation) | 24.235 | RSS-133 6.3 | Antenna Terminals | Complied |
| Transmitter Frequency Stability (Voltage Variation) | 24.235 | RSS-133 6.3 | Antenna Terminals | Complied |
| Transmitter Occupied Bandwidth | 24.238 | RSS-Gen 4.6.1 | Antenna Terminals | Complied |
| Transmitter Out of Band Conducted Emissions | 2.1051/24.238 | RSS-133 4.2 & 6.5 | Antenna Terminals | Complied |
| Transmitter Band Edge Conducted Emissions | 2.1051/24.238 | RSS-133 4.2 & 6.5 | Antenna Terminals | Complied |
| Transmitter Out of Band Radiated Emissions | 2.1053/24.238 | RSS-133 4.2 & 6.5 | Antenna | Complied |
| Transmitter Band Edge Radiated Emissions | 2.1053/22.917 | RSS-133 4.2 & 6.5 | Antenna | Complied |

6.1. Location of Tests

All the measurements described in this report were performed at the premises of RFI Global Services Ltd, Ewhurst Park, Ramsdell, Basingstoke, Hampshire, RG26 5RQ.

FCC Site Registration Number: 90895

IC Site Registration Number: 3485

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7. Measurements, Examinations and Derived Results

7.1. General Comments

This Section contains test results only.

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to Section 8 for details of measurement uncertainties.

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7.2. Test Results – FCC Part 22 and RSS-132 (GSM 850 band)

7.2.1. Receiver/Idle Mode AC Conducted Spurious Emissions

7.2.2. Tests were performed using the test methods detailed in ANSI C63.4 Section 7

Quasi-Peak Detector Measurements on Live and Neutral Lines

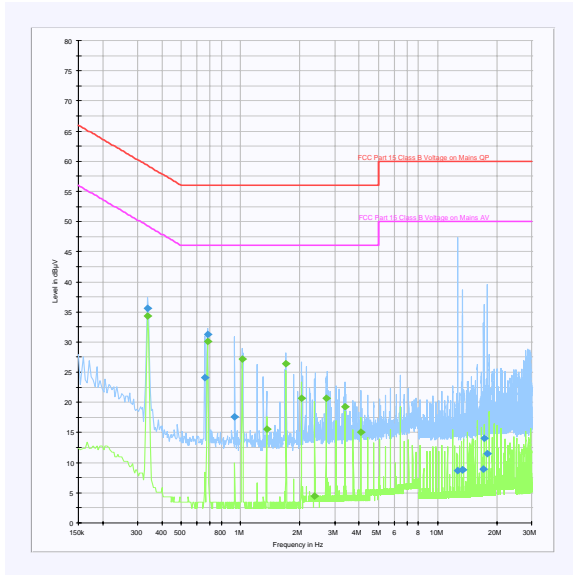
| Frequency (MHz) | Line | Level (dB μ V) | Limit (dB μ V) | Margin (dB) | Result |
|-----------------|---------|--------------------|--------------------|-------------|----------|
| 0.338000 | Live | 35.6 | 59.3 | 23.7 | Complied |
| 0.658000 | Live | 24.2 | 56.0 | 31.8 | Complied |
| 0.678000 | Live | 31.3 | 56.0 | 24.7 | Complied |
| 0.930000 | Neutral | 17.6 | 56.0 | 38.4 | Complied |
| 12.622000 | Neutral | 8.6 | 60.0 | 51.4 | Complied |
| 13.318000 | Live | 8.8 | 60.0 | 51.2 | Complied |
| 13.354000 | Live | 8.8 | 60.0 | 51.2 | Complied |
| 17.138000 | Live | 9.0 | 60.0 | 51.0 | Complied |
| 17.290000 | Neutral | 14.1 | 60.0 | 45.9 | Complied |
| 17.938000 | Neutral | 11.5 | 60.0 | 48.5 | Complied |

Average Detector Measurements on Live and Neutral Lines

| Frequency (MHz) | Line | Level (dB μ V) | Limit (dB μ V) | Margin (dB) | Result |
|-----------------|---------|--------------------|--------------------|-------------|----------|
| 0.338000 | Live | 34.3 | 49.3 | 15.0 | Complied |
| 0.678000 | Live | 30.1 | 46.0 | 15.9 | Complied |
| 1.018000 | Live | 27.1 | 46.0 | 18.9 | Complied |
| 1.358000 | Live | 15.5 | 46.0 | 30.5 | Complied |
| 1.694000 | Live | 26.4 | 46.0 | 19.6 | Complied |
| 2.034000 | Live | 20.7 | 46.0 | 25.3 | Complied |
| 2.374000 | Neutral | 4.5 | 46.0 | 41.5 | Complied |
| 2.714000 | Live | 20.6 | 46.0 | 25.4 | Complied |
| 3.390000 | Live | 19.2 | 46.0 | 26.8 | Complied |
| 4.070000 | Live | 15.0 | 46.0 | 31.0 | Complied |

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Receiver/Idle Mode AC Conducted Spurious Emissions (continued)



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying tables.

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7.2.3. Receiver/Idle Mode Radiated Spurious Emissions

7.2.3.1. Tests were performed using the test methods detailed in ANSI C63.4 Section 8

Electric Field Strength Measurements (Frequency Range: 30 to 1000 MHz)

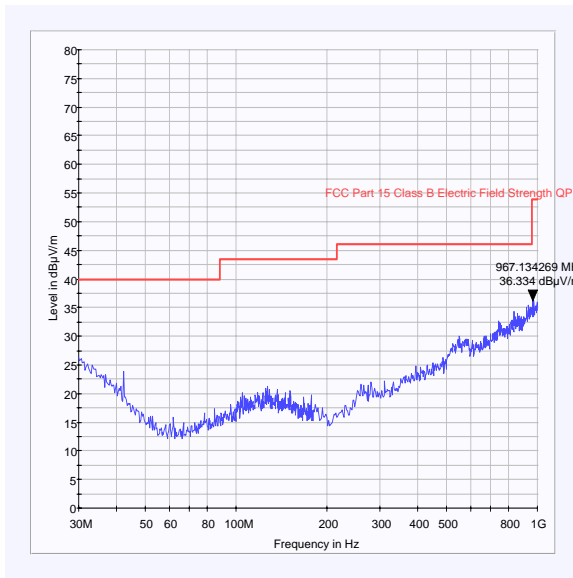
| Frequency (MHz) | Antenna Polarity | Quasi Peak Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Result |
|-----------------|------------------|---------------------------------|----------------------|-------------|----------|
| 967.134 | Vertical | 36.3 | 54.0 | 15.7 | Complied |

Note(s):

1. *No spurious emissions were detected above the noise floor of the measuring receiver; therefore, the highest peak noise floor reading of the measuring receiver was recorded as shown in the table above.*

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Receiver/Idle Mode Radiated Spurious Emissions (continued)



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying tables.

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7.2.4. Receiver/Idle Mode Radiated Spurious Emissions

Electric Field Strength Measurements (Frequency Range: 1 to 5 GHz)

Highest Peak Level

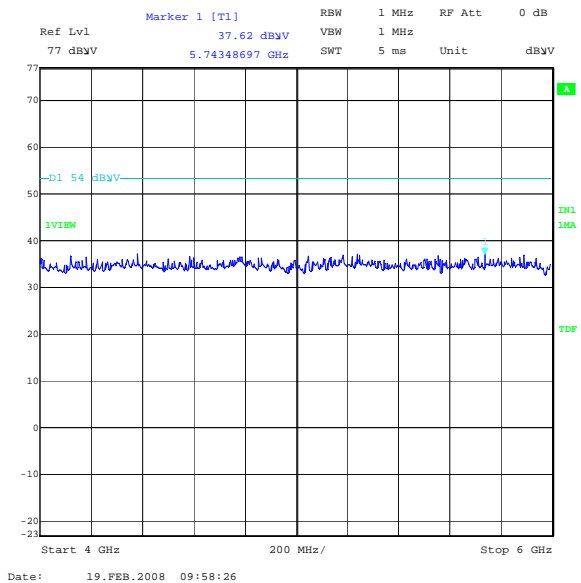
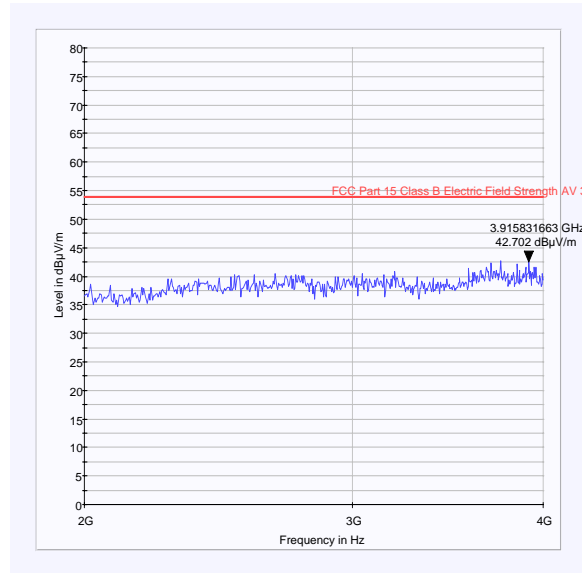
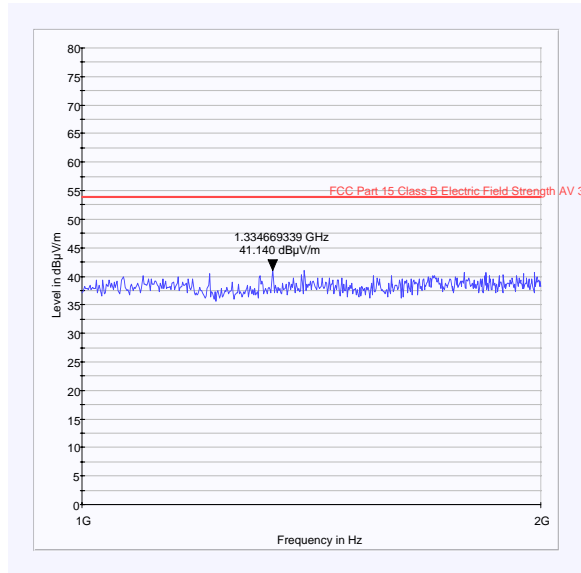
| Frequency (GHz) | Antenna Polarity | Detector Level (dB μ V) | Transducer Factor (dB) | Actual Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Result |
|-----------------|------------------|-----------------------------|------------------------|-----------------------------|----------------------|-------------|----------|
| 3.9158 | Vertical | 48.8 | -6.1 | 42.7 | 54.0 | 11.3 | Complied |

Note(s):

1. No spurious emissions were detected above the noise floor of the measuring receiver; therefore, the highest peak noise floor reading of the measuring receiver was recorded as shown in the table above.
2. The peak level was compared to the average limit as opposed to being compared to the peak limit because this is the more onerous limit.

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Receiver/Idle Mode Radiated Spurious Emissions (continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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7.2.5. Transmitter Carrier Output Power

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

| Channel | Frequency (MHz) | Conducted RF O/P Power (dBm) | Stated Antenna Gain (dBi) | EIRP (dBm) | ERP (dBm) | ERP Limit (dBm) | Margin (dB) | Result |
|---------|-----------------|------------------------------|---------------------------|------------|-----------|-----------------|-------------|----------|
| Bottom | 824.2 | 31.6 | 1.1 | 32.7 | 30.6 | 38.4 | 5.7 | Complied |
| Middle | 836.6 | 31.4 | 1.1 | 32.5 | 30.4 | 38.4 | 5.9 | Complied |
| Top | 848.8 | 31.2 | 1.1 | 32.3 | 30.2 | 38.4 | 6.1 | Complied |

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7.2.6. Transmitter Frequency Stability (Temperature Variation)

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel (824.2 MHz)

| Temperature (°C) | Measured Frequency (MHz) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | Margin (ppm) | Result |
|------------------|--------------------------|----------------------|-----------------------|-------------|--------------|----------|
| -30 | 824.199987 | -13 | -0.016 | 2.5 | 2.484 | Complied |
| -20 | 824.199983 | -17 | -0.021 | 2.5 | 2.479 | Complied |
| -10 | 824.199980 | -20 | -0.024 | 2.5 | 2.476 | Complied |
| 0 | 824.199981 | -19 | -0.023 | 2.5 | 2.477 | Complied |
| 10 | 824.199982 | -18 | -0.022 | 2.5 | 2.478 | Complied |
| 20 | 824.199982 | -18 | -0.022 | 2.5 | 2.478 | Complied |
| 30 | 824.199981 | -19 | -0.023 | 2.5 | 2.477 | Complied |
| 40 | 824.199983 | -17 | -0.021 | 2.5 | 2.479 | Complied |
| 50 | 824.199978 | -22 | -0.027 | 2.5 | 2.473 | Complied |

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Transmitter Frequency Stability (Temperature Variation) (continued)

Top Channel (848.8 MHz)

| Temperature (°C) | Measured Frequency (MHz) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | Margin (ppm) | Result |
|------------------|--------------------------|----------------------|-----------------------|-------------|--------------|----------|
| -30 | 848.800015 | 15 | 0.018 | 2.5 | 2.518 | Complied |
| -20 | 848.800018 | 18 | 0.021 | 2.5 | 2.521 | Complied |
| -10 | 848.799991 | -9 | -0.011 | 2.5 | 2.489 | Complied |
| 0 | 848.799987 | -13 | -0.015 | 2.5 | 2.485 | Complied |
| 10 | 848.799991 | -9 | -0.011 | 2.5 | 2.489 | Complied |
| 20 | 848.799982 | -18 | -0.021 | 2.5 | 2.479 | Complied |
| 30 | 848.799980 | -20 | -0.024 | 2.5 | 2.476 | Complied |
| 40 | 848.799986 | -14 | -0.016 | 2.5 | 2.484 | Complied |
| 50 | 848.799988 | -12 | -0.014 | 2.5 | 2.486 | Complied |

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7.2.7. Transmitter Frequency Stability (Voltage Variation)

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel (824.2 MHz)

| Supply Voltage (V) | Measured Frequency (MHz) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | Margin (ppm) | Result |
|--------------------|--------------------------|----------------------|-----------------------|-------------|--------------|----------|
| 93.5 | 824.199982 | -18 | -0.022 | 2.5 | 2.478 | Complied |
| 126.5 | 824.199982 | -18 | -0.022 | 2.5 | 2.478 | Complied |

Top Channel (848.8 MHz)

| Supply Voltage (V) | Measured Frequency (MHz) | Frequency Error (Hz) | Frequency Error (ppm) | Limit (ppm) | Margin (ppm) | Result |
|--------------------|--------------------------|----------------------|-----------------------|-------------|--------------|----------|
| 93.5 | 848.799982 | -18 | -0.021 | 2.5 | 2.479 | Complied |
| 126.5 | 848.799982 | -18 | -0.021 | 2.5 | 2.479 | Complied |

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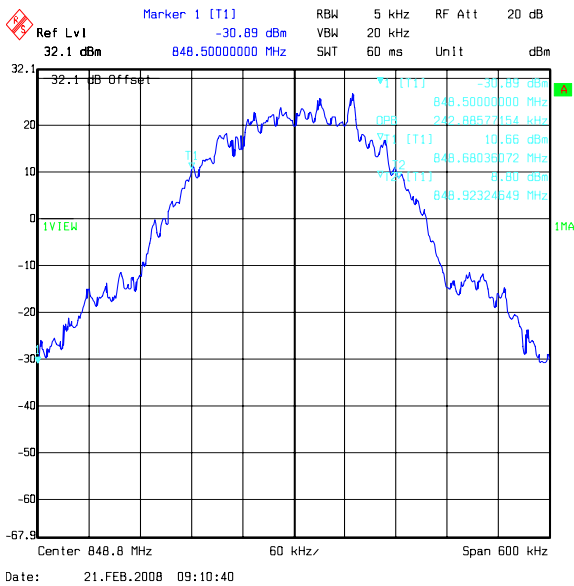
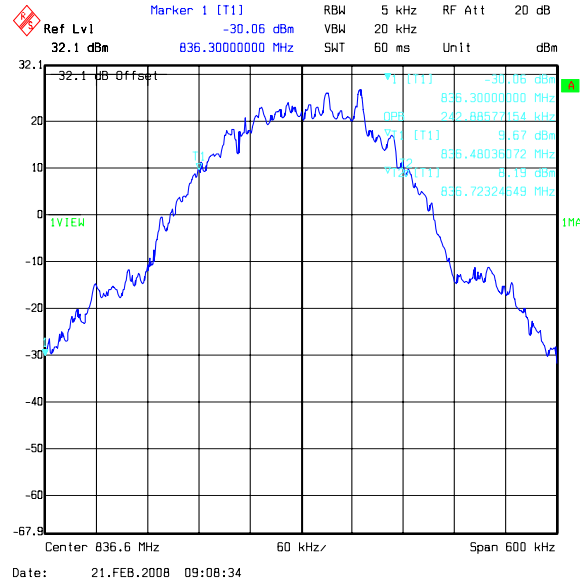
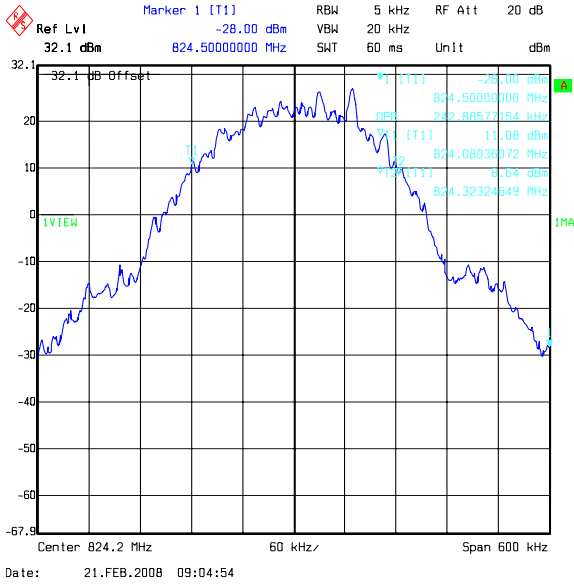
7.2.8. Transmitter Occupied Bandwidth

The 99% occupied bandwidth was measured using the channel bandwidth function of the R&S spectrum analyser referencing FCC CFR Part 2

| Channel | Frequency (MHz) | Occupied Bandwidth (kHz) |
|---------|-----------------|--------------------------|
| Bottom | 824.2 | 242.886 |
| Middle | 836.6 | 242.886 |
| Top | 848.8 | 242.886 |

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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Transmitter Occupied Bandwidth (continued)



Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
 & RSS-Gen Issue 2 June 2007

7.2.9. Transmitter Out of Band Conducted Emissions

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 2472.6 | -32.1 | -13.0 | 19.1 | Complied |
| 3296.8 | -35.3 | -13.0 | 22.3 | Complied |

Middle Channel

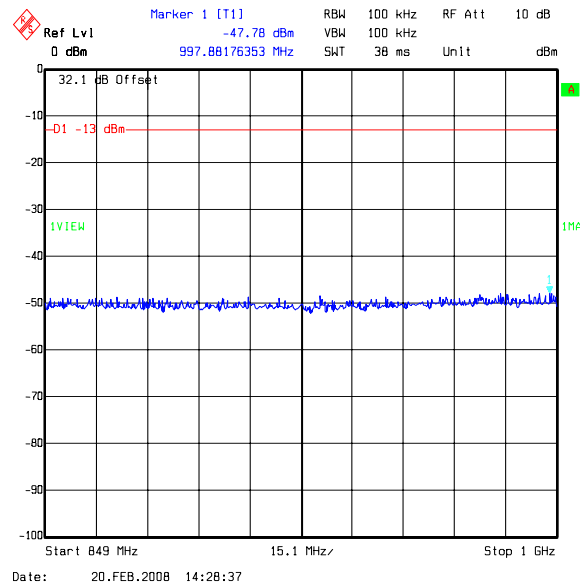
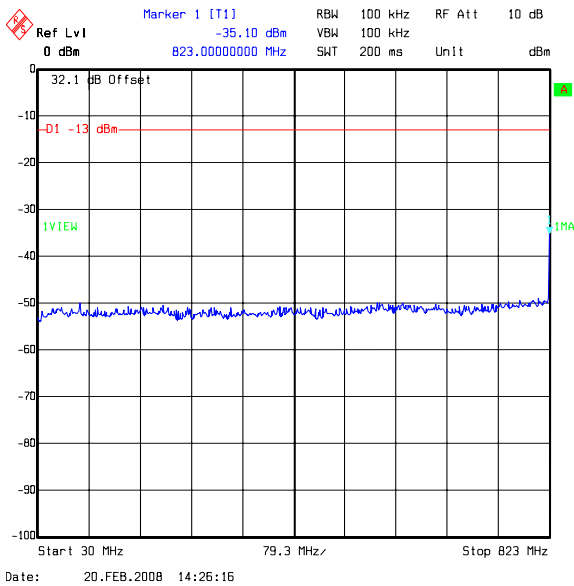
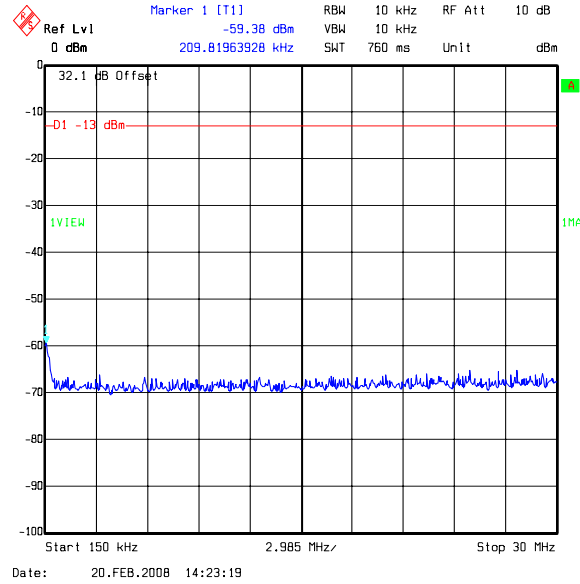
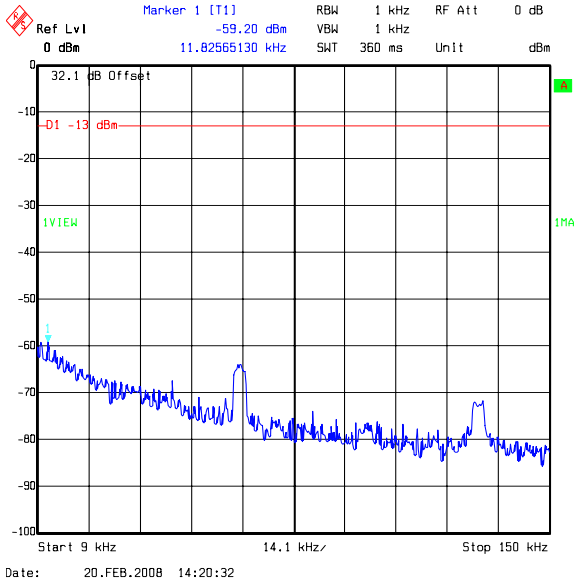
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 2509.8 | -30.9 | -13.0 | 17.9 | Complied |

Top Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 850.0 | -33.6 | -13.0 | 20.6 | Complied |
| 2546.4 | -31.1 | -13.0 | 18.1 | Complied |
| 3395.2 | -36.7 | -13.0 | 23.7 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
 & RSS-Gen Issue 2 June 2007

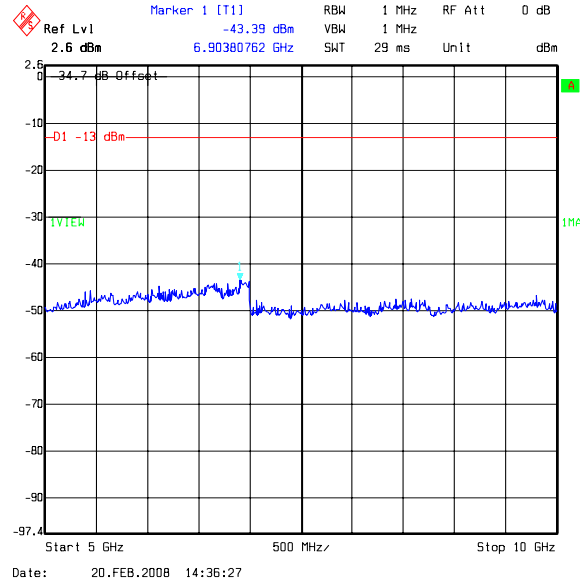
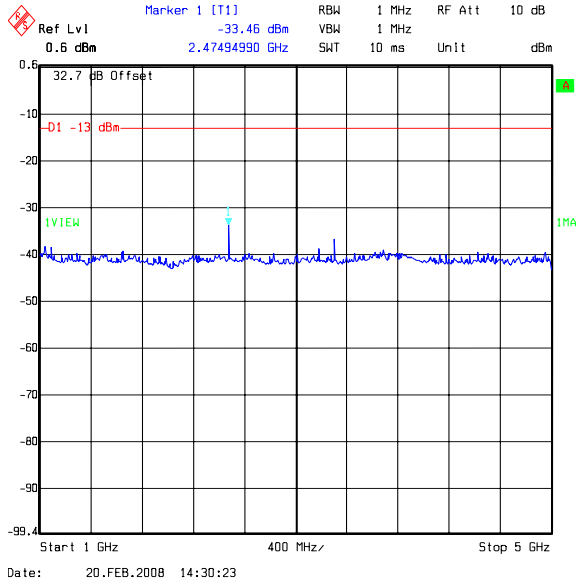
Transmitter Out of Band Conducted Emissions (continued) – Bottom Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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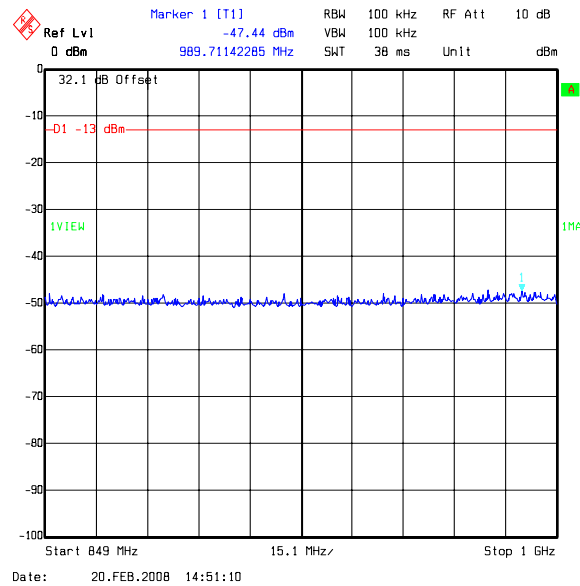
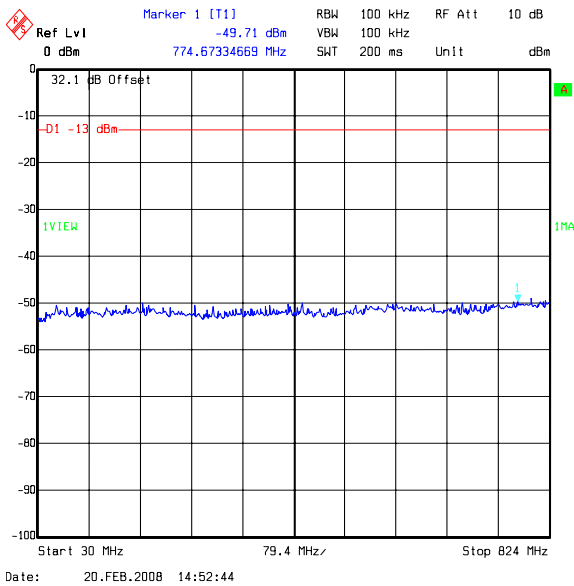
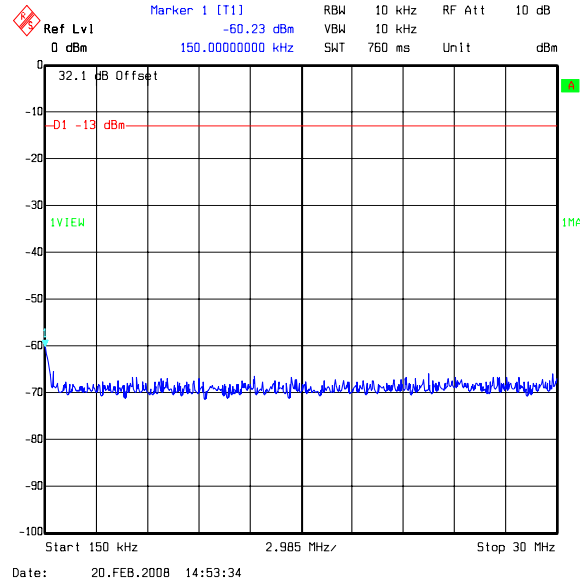
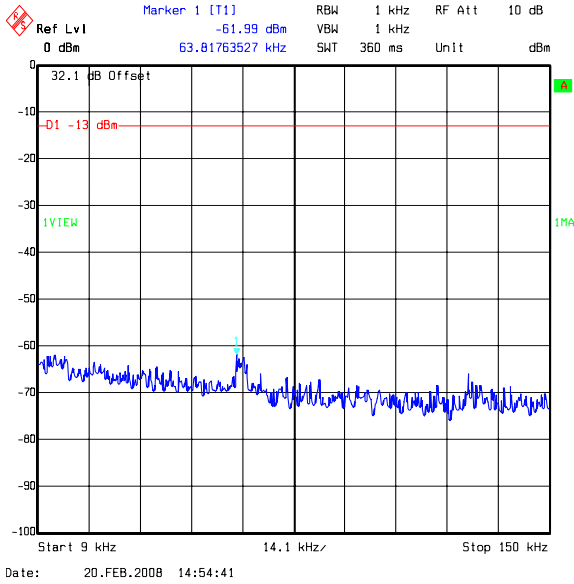
Transmitter Out of Band Conducted Emissions (continued) – Bottom Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
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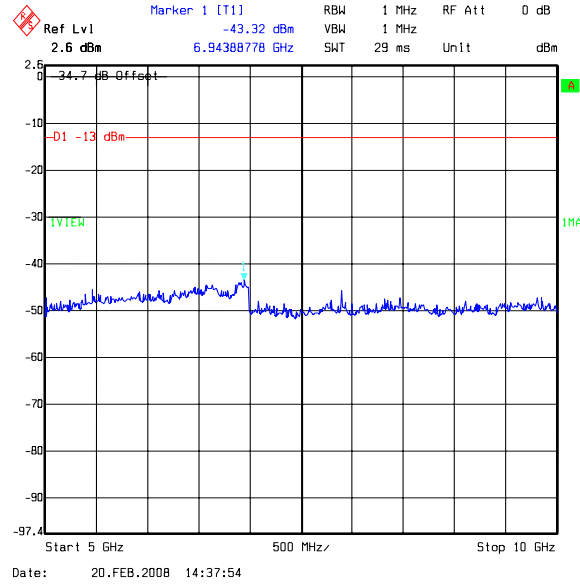
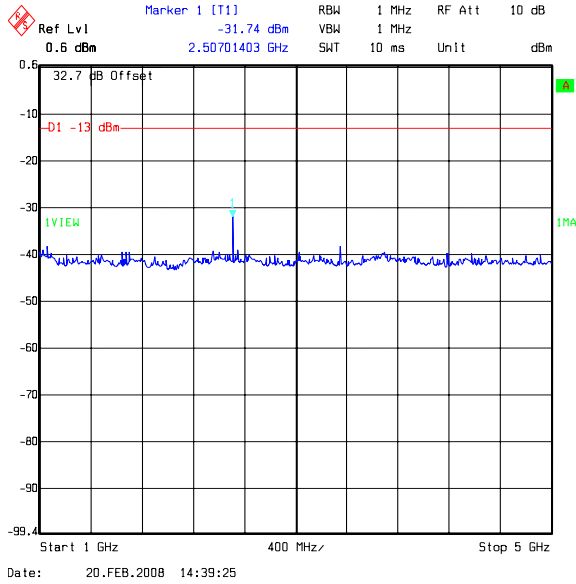
Transmitter Out of Band Conducted Emissions (continued) – Middle Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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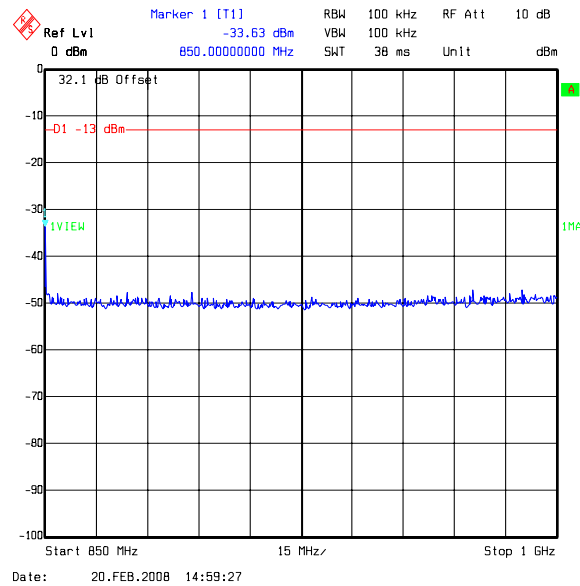
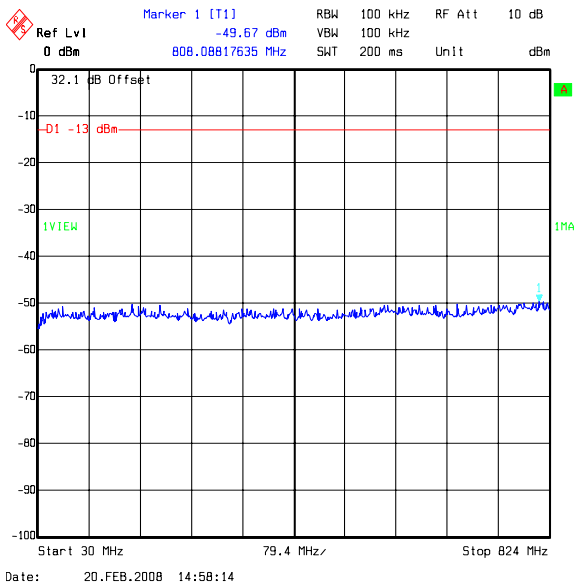
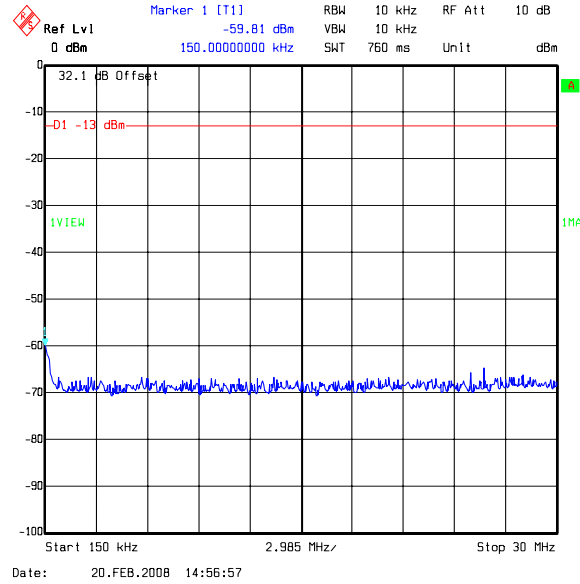
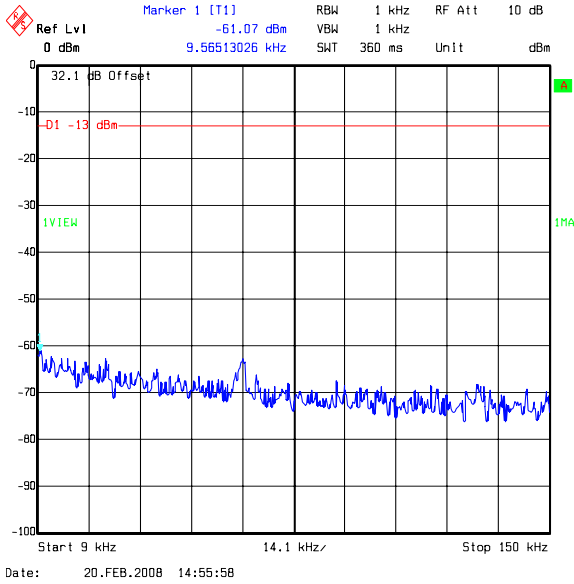
Transmitter Out of Band Conducted Emissions (continued) – Middle Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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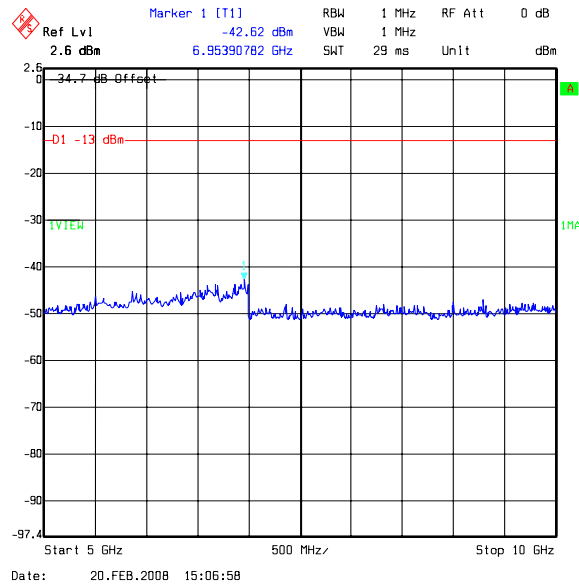
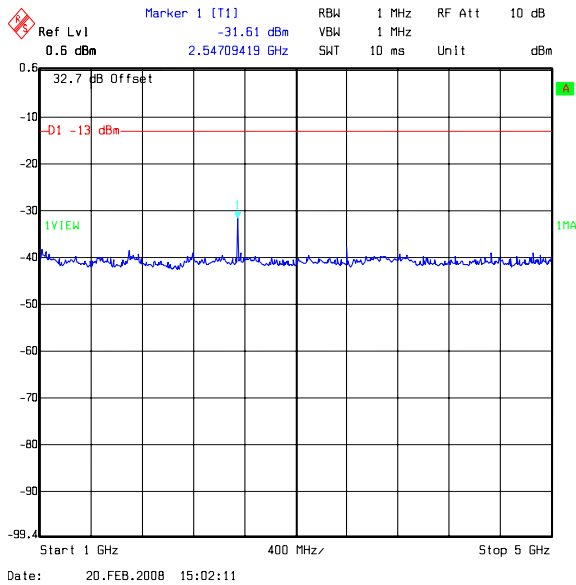
Transmitter Out of Band Conducted Emissions (continued) – Top Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
& RSS-Gen Issue 2 June 2007

Transmitter Out of Band Conducted Emissions (continued) – Top Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.2.10. Transmitter Conducted Emissions at Band Edges

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 22.917

Bottom Band Edge

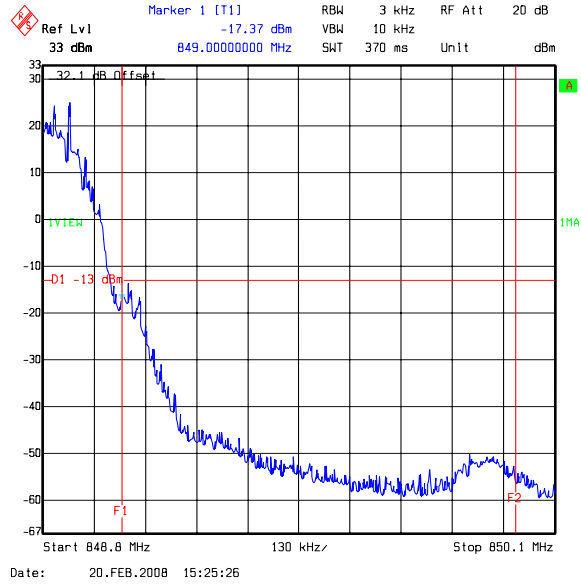
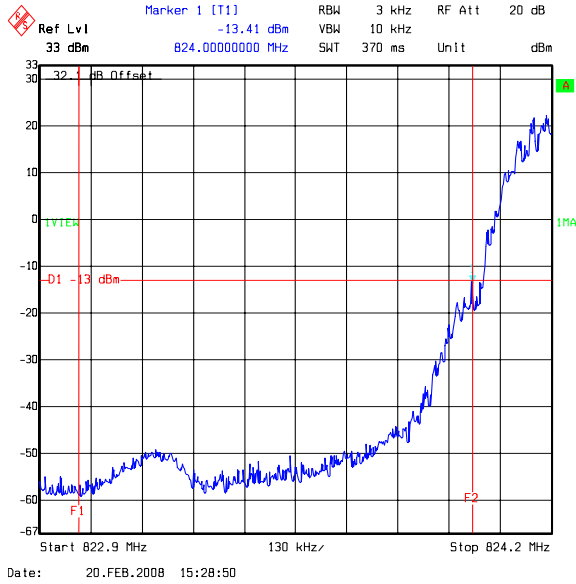
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 824 | -13.4 | -13.0 | 0.4 | Complied |

Top Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 849 | -17.4 | -13.0 | 4.4 | Complied |

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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Transmitter Conducted Emissions at Band Edges (continued)



Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.2.11. Transmitter Out of Band Radiated Emissions

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1648.4 | -28.8 | -13.0 | 15.8 | Complied |

Middle Channel

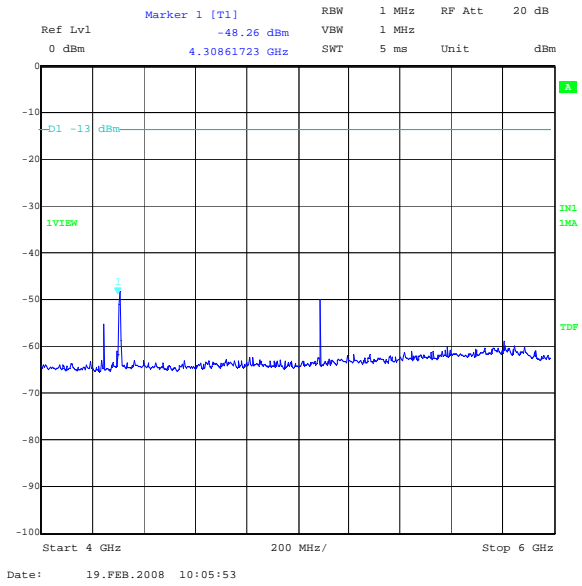
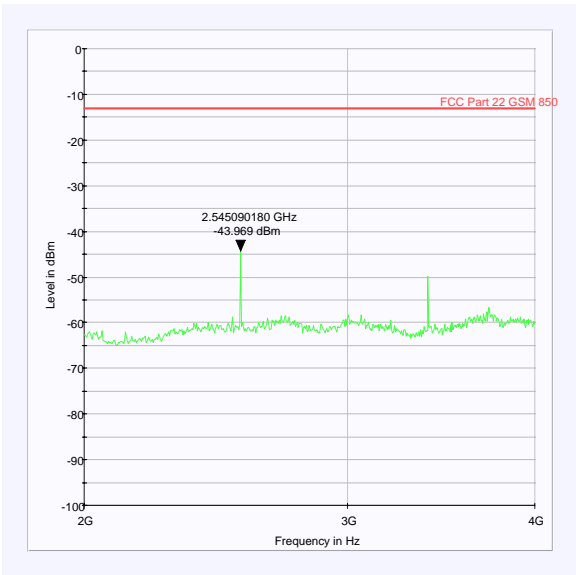
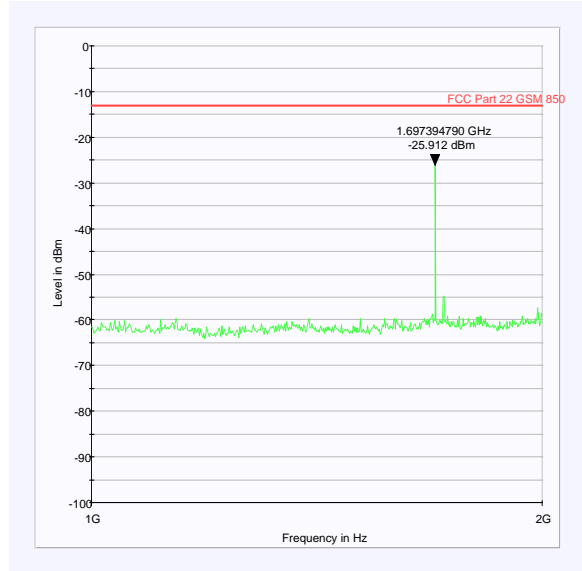
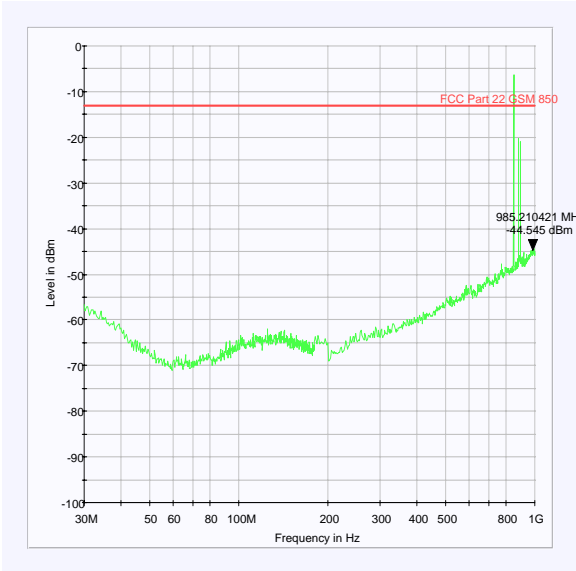
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1673.2 | -30.3 | -13.0 | 17.3 | Complied |

Top Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1697.6 | -27.4 | -13.0 | 14.4 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
 & RSS-Gen Issue 2 June 2007

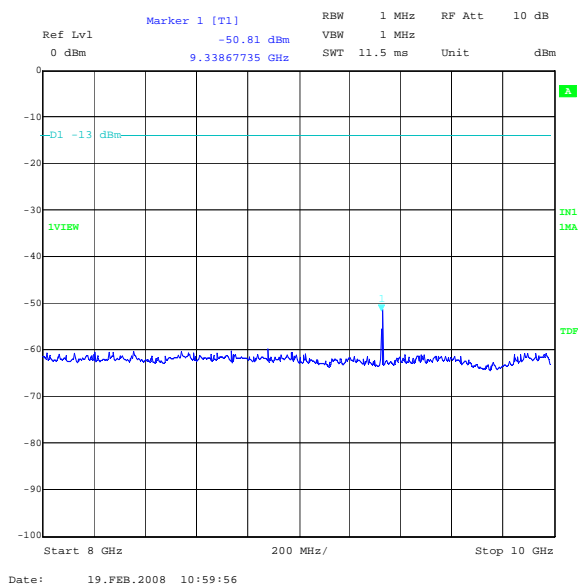
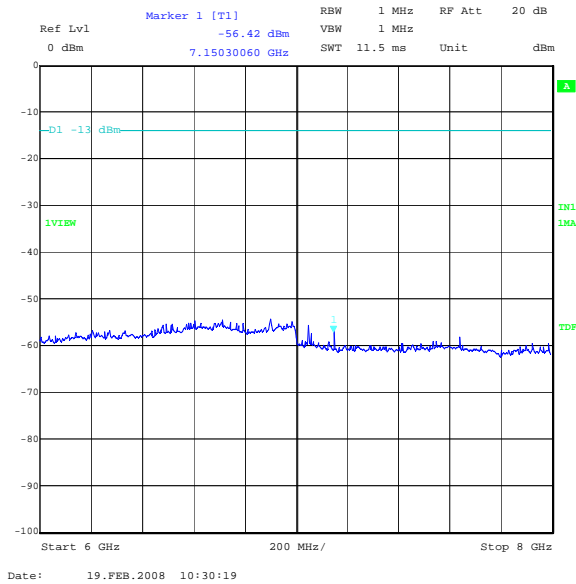
Transmitter Out of Band Radiated Emissions (continued)



Date: 19.FEB.2008 10:05:53

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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Transmitter Out of Band Radiated Emissions (continued)



Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.2.12. Transmitter Radiated Emissions at Band Edges

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 24.238

Bottom Band Edge

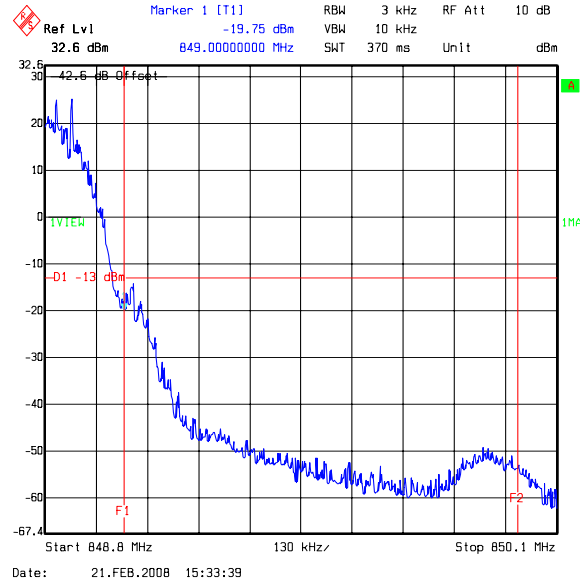
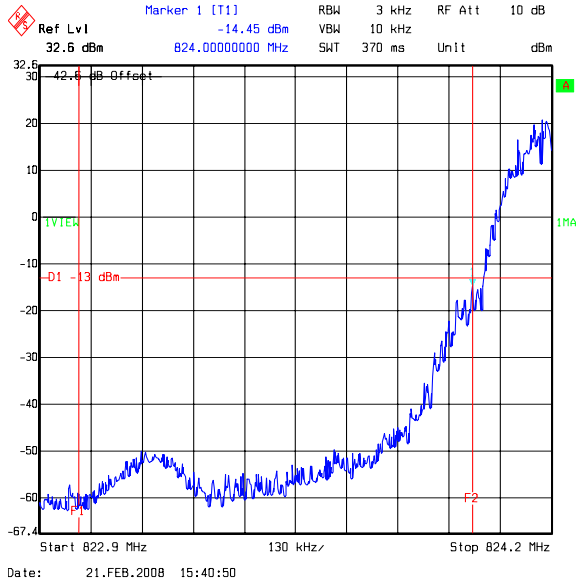
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 824 | -14.5 | -13.0 | 1.5 | Complied |

Top Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 849 | -19.7 | -13.0 | 6.3 | Complied |

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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Transmitter Out of Band Radiated Emissions (continued)



Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.3. Test Results – FCC Part 24 and RSS-133 (GSM 1900 band)

7.3.1. Receiver/Idle Mode AC Conducted Spurious Emissions

Tests were performed using the test methods detailed in ANSI C63.4 Section 7

Quasi-Peak Detector Measurements on Live and Neutral Lines

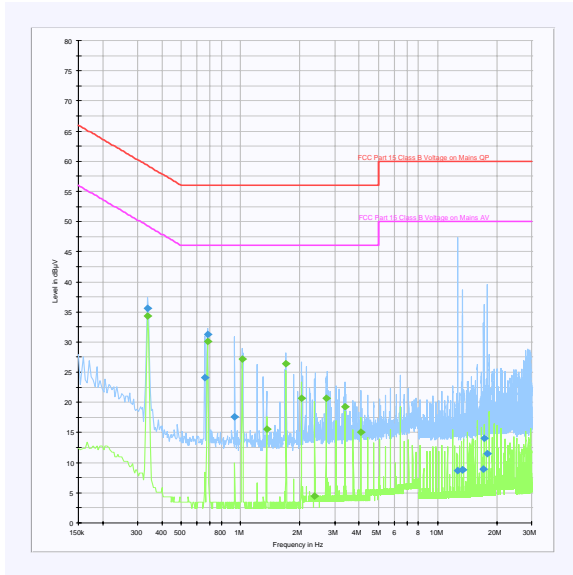
| Frequency (MHz) | Line | Level (dB μ V) | Limit (dB μ V) | Margin (dB) | Result |
|-----------------|---------|--------------------|--------------------|-------------|----------|
| 0.338000 | Live | 35.6 | 59.3 | 23.7 | Complied |
| 0.658000 | Live | 24.2 | 56.0 | 31.8 | Complied |
| 0.678000 | Live | 31.3 | 56.0 | 24.7 | Complied |
| 0.930000 | Neutral | 17.6 | 56.0 | 38.4 | Complied |
| 12.622000 | Neutral | 8.6 | 60.0 | 51.4 | Complied |
| 13.318000 | Live | 8.8 | 60.0 | 51.2 | Complied |
| 13.354000 | Live | 8.8 | 60.0 | 51.2 | Complied |
| 17.138000 | Live | 9.0 | 60.0 | 51.0 | Complied |
| 17.290000 | Neutral | 14.1 | 60.0 | 45.9 | Complied |
| 17.938000 | Neutral | 11.5 | 60.0 | 48.5 | Complied |

Average Detector Measurements on Live and Neutral Lines

| Frequency (MHz) | Line | Level (dB μ V) | Limit (dB μ V) | Margin (dB) | Result |
|-----------------|---------|--------------------|--------------------|-------------|----------|
| 0.338000 | Live | 34.3 | 49.3 | 15.0 | Complied |
| 0.678000 | Live | 30.1 | 46.0 | 15.9 | Complied |
| 1.018000 | Live | 27.1 | 46.0 | 18.9 | Complied |
| 1.358000 | Live | 15.5 | 46.0 | 30.5 | Complied |
| 1.694000 | Live | 26.4 | 46.0 | 19.6 | Complied |
| 2.034000 | Live | 20.7 | 46.0 | 25.3 | Complied |
| 2.374000 | Neutral | 4.5 | 46.0 | 41.5 | Complied |
| 2.714000 | Live | 20.6 | 46.0 | 25.4 | Complied |
| 3.390000 | Live | 19.2 | 46.0 | 26.8 | Complied |
| 4.070000 | Live | 15.0 | 46.0 | 31.0 | Complied |

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
& RSS-Gen Issue 2 June 2007

Receiver/Idle Mode AC Conducted Spurious Emissions (continued)



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.3.2. Receiver/Idle Mode Radiated Spurious Emissions

Tests were performed using the test methods detailed in ANSI C63.4 Section 8

Electric Field Strength Measurements (Frequency Range: 30 to 1000 MHz)

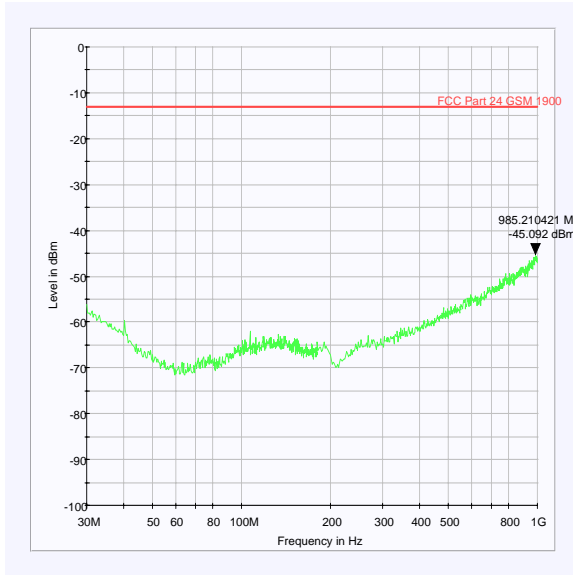
| Frequency (MHz) | Antenna Polarity | Quasi Peak Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Result |
|-----------------|------------------|---------------------------------|----------------------|-------------|----------|
| 967.134 | Vertical | 36.3 | 54.0 | 15.7 | Complied |

Note(s):

- No spurious emissions were detected above the noise floor of the measuring receiver therefore the highest peak noise floor reading of the measuring receiver recorded was recorded*

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
& RSS-Gen Issue 2 June 2007

Receiver/Idle Mode Radiated Spurious Emissions (continued)



Note: This plot is a pre-scan and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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7.3.3. Receiver/Idle Mode Radiated Spurious Emissions

Electric Field Strength Measurements (Frequency Range: 1 to 10 GHz)

Highest Peak Level

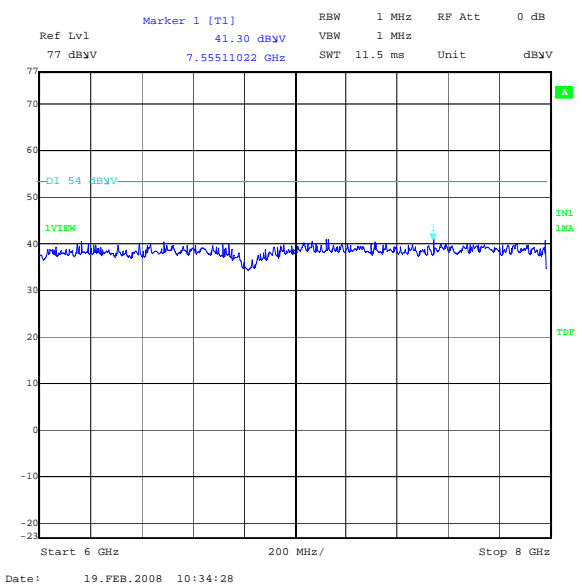
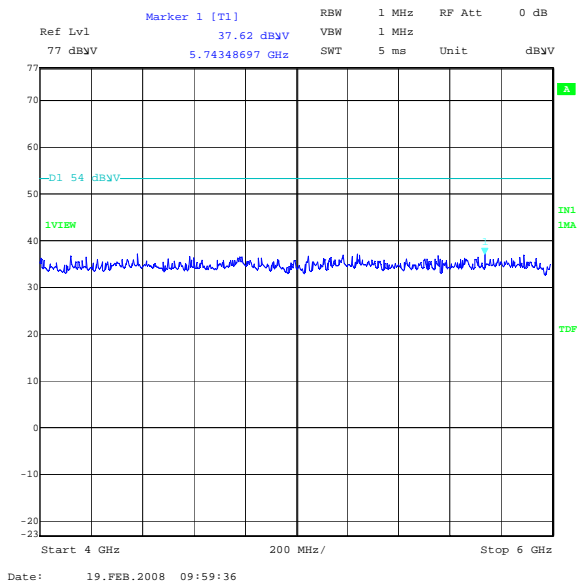
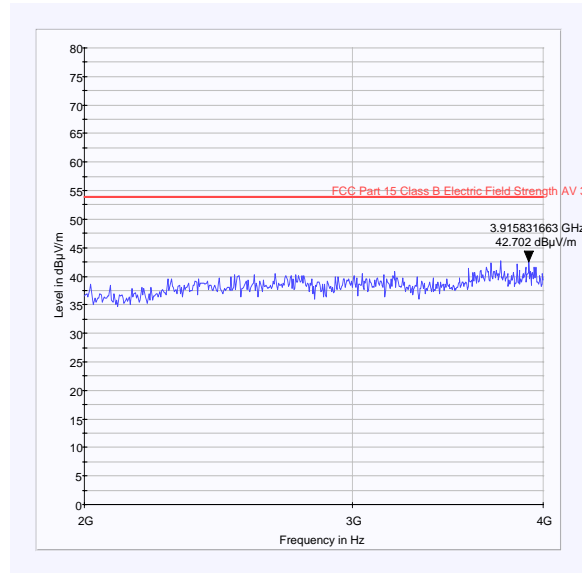
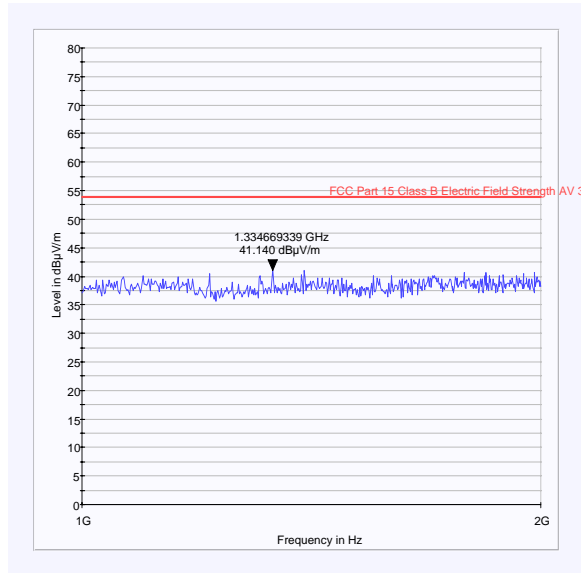
| Frequency (GHz) | Antenna Polarity | Detector Level (dB μ V) | Transducer Factor (dB) | Actual Level (dB μ V/m) | Limit (dB μ V/m) | Margin (dB) | Result |
|-----------------|------------------|-----------------------------|------------------------|-----------------------------|----------------------|-------------|----------|
| 9.9759 | Vertical | 40.8 | 3.6 | 44.4 | 54.0 | 9.6 | Complied |

Note(s):

- No spurious emissions were detected above the noise floor of the measuring receiver therefore the highest peak noise floor reading of the measuring receiver recorded was recorded.*
- The peak level was compared to the average limit as opposed to being compared to the peak limit because this is the more onerous limit.*

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
 & RSS-Gen Issue 2 June 2007

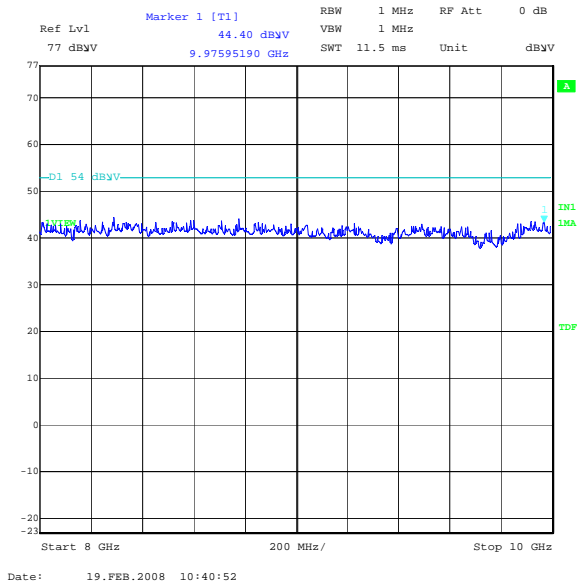
Idle Mode Radiated Spurious Emissions (continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
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Idle Mode Radiated Spurious Emissions (continued)



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

Test of: Enfora Inc.
Enfora Enabler IIIGBGA (GSM0408)
To: FCC Part 22: 2007, FCC Part 24: 2007,
RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.3.4. Transmitter Carrier Output Power

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

| Channel | Frequency (MHz) | Conducted RF O/P Power (dBm) | Stated Antenna Gain (dBi) | EIRP (dBm) | EIRP Limit (dBm) | Margin (dB) | Result |
|---------|-----------------|------------------------------|---------------------------|------------|------------------|-------------|----------|
| Bottom | 1850.2 | 29.6 | -1.31 | 28.3 | 33.0 | 4.7 | Complied |
| Middle | 1879.8 | 29.3 | -1.31 | 28.0 | 33.0 | 5.0 | Complied |
| Top | 1909.8 | 29.5 | -1.31 | 28.2 | 33.0 | 4.8 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
 RSS-132 Issue 2 September 2005, RSS-133 Issue 4 February 2008
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7.3.5. Transmitter Frequency Stability (Temperature Variation)

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel (1850.2 MHz)

| Temperature (°C) | Frequency Error (Hz) | Measured Frequency (MHz) | Lower Band Edge Limit (MHz) | Margin (MHz) | Result |
|------------------|----------------------|--------------------------|-----------------------------|--------------|----------|
| -30 | 33 | 1850.200033 | 1850.0 | 0.200033 | Complied |
| -20 | 30 | 1850.200030 | 1850.0 | 0.200030 | Complied |
| -10 | -21 | 1850.199979 | 1850.0 | 0.199979 | Complied |
| 0 | -21 | 1850.199979 | 1850.0 | 0.199979 | Complied |
| 10 | -16 | 1850.199984 | 1850.0 | 0.199984 | Complied |
| 20 | -21 | 1850.199979 | 1850.0 | 0.199979 | Complied |
| 30 | -25 | 1850.199975 | 1850.0 | 0.199975 | Complied |
| 40 | -32 | 1850.199968 | 1850.0 | 0.199968 | Complied |
| 50 | -32 | 1850.199968 | 1850.0 | 0.199968 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
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Transmitter Frequency Stability (Temperature Variation) (continued)

Top Channel (1909.8 MHz)

| Temperature (°C) | Frequency Error (Hz) | Measured Frequency (MHz) | Upper Band Edge Limit (MHz) | Margin (MHz) | Result |
|------------------|----------------------|--------------------------|-----------------------------|--------------|----------|
| -30 | 39 | 1909.800039 | 1910.0 | 0.199961 | Complied |
| -20 | 26 | 1909.800026 | 1910.0 | 0.199974 | Complied |
| -10 | 24 | 1909.800024 | 1910.0 | 0.199976 | Complied |
| 0 | -14 | 1909.799986 | 1910.0 | 0.200014 | Complied |
| 10 | -9 | 1909.799991 | 1910.0 | 0.200009 | Complied |
| 20 | -19 | 1909.799981 | 1910.0 | 0.200019 | Complied |
| 30 | -27 | 1909.799973 | 1910.0 | 0.200027 | Complied |
| 40 | -28 | 1909.799972 | 1910.0 | 0.200028 | Complied |
| 50 | -23 | 1909.799977 | 1910.0 | 0.200023 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
 To: FCC Part 22: 2007, FCC Part 24: 2007,
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7.3.6. Transmitter Frequency Stability (Voltage Variation)

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Part 2

Bottom Channel (1850.2 MHz)

| Supply Voltage (V) | Frequency Error (Hz) | Measured Frequency (MHz) | Lower Band Edge Limit (MHz) | Margin (MHz) | Result |
|--------------------|----------------------|--------------------------|-----------------------------|--------------|----------|
| 93.5 | -29 | 1850.199971 | 1850 | 0.199971 | Complied |
| 126.5 | -20 | 1850.199980 | 1850 | 0.199980 | Complied |

Top Channel (1909.8 MHz)

| Supply Voltage (V) | Frequency Error (Hz) | Measured Frequency (MHz) | Lower Band Edge Limit (MHz) | Margin (MHz) | Result |
|--------------------|----------------------|--------------------------|-----------------------------|--------------|----------|
| 93.5 | -17 | 1909.799983 | 1910 | 0.200017 | Complied |
| 126.5 | -17 | 1909.799983 | 1910 | 0.200017 | Complied |

Test of: Enfora Inc.
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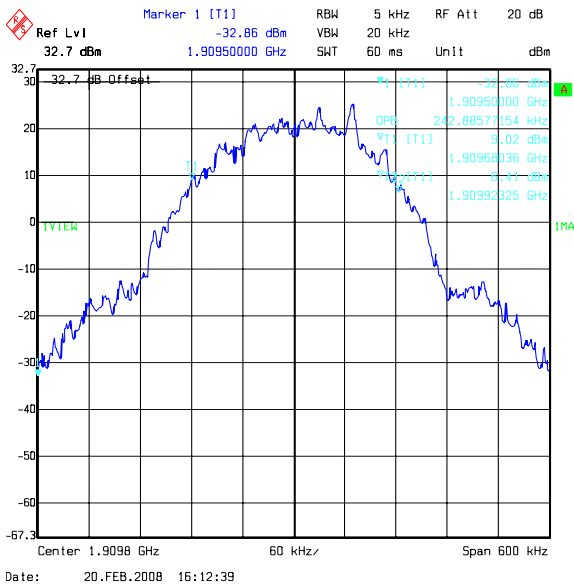
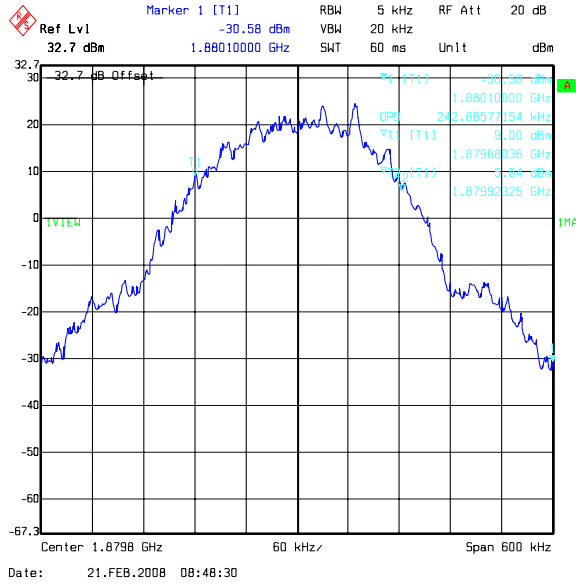
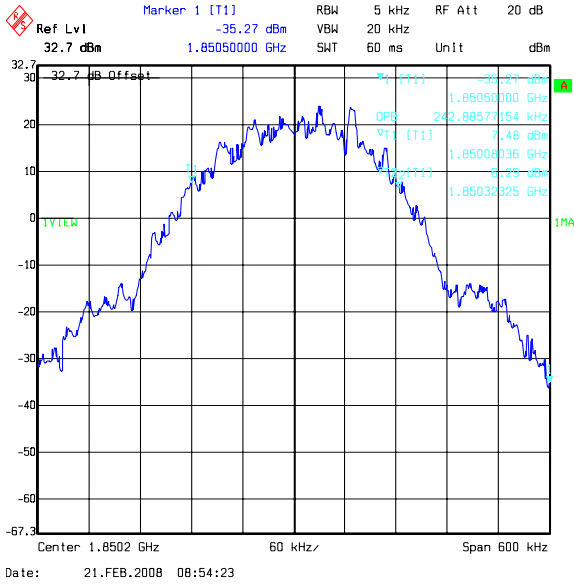
7.3.7. Transmitter Occupied Bandwidth

The 99% occupied bandwidth was measured using the channel bandwidth function of the R&S spectrum analyser referencing FCC CFR Part 2

| Channel | Frequency (MHz) | Occupied Bandwidth (kHz) |
|---------|-----------------|--------------------------|
| Bottom | 1850.2 | 242.886 |
| Middle | 1879.8 | 242.886 |
| Top | 1909.8 | 242.886 |

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Transmitter Occupied Bandwidth (continued)



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7.3.8. Transmitter Out of Band Conducted Emissions

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 24.238

Bottom Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1847.0 | -24.7 | -13.0 | 11.7 | Complied |
| 3700.4 | -32.3 | -13.0 | 19.3 | Complied |

Middle Channel

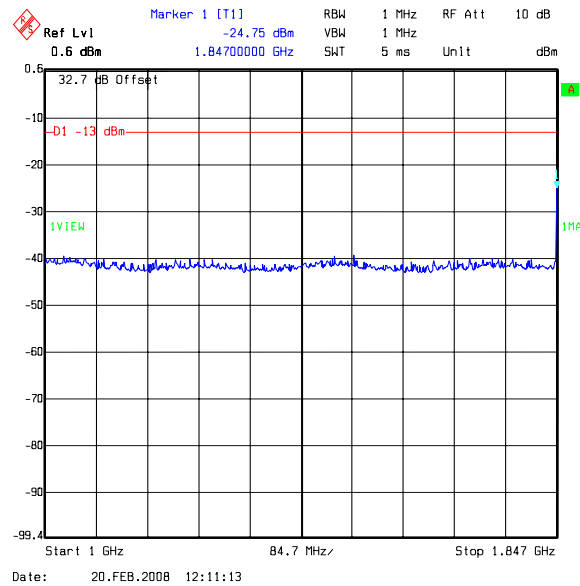
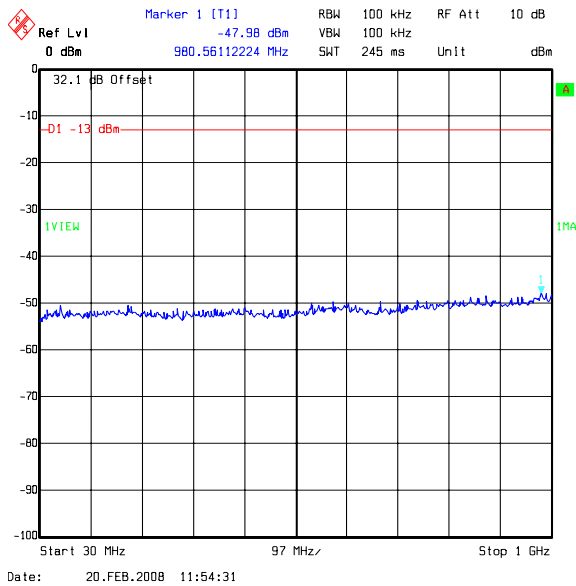
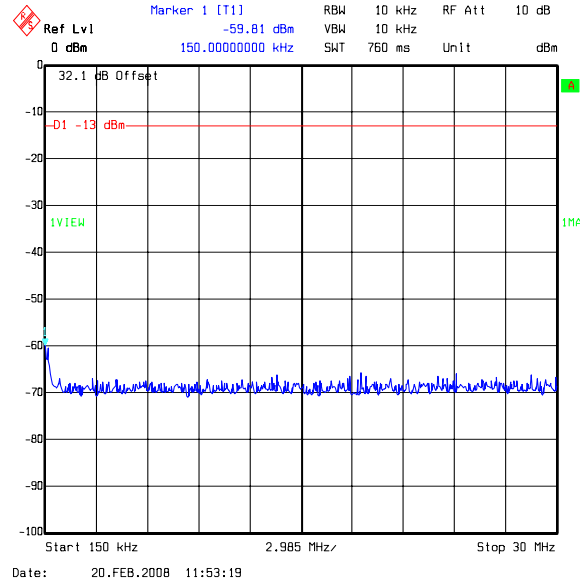
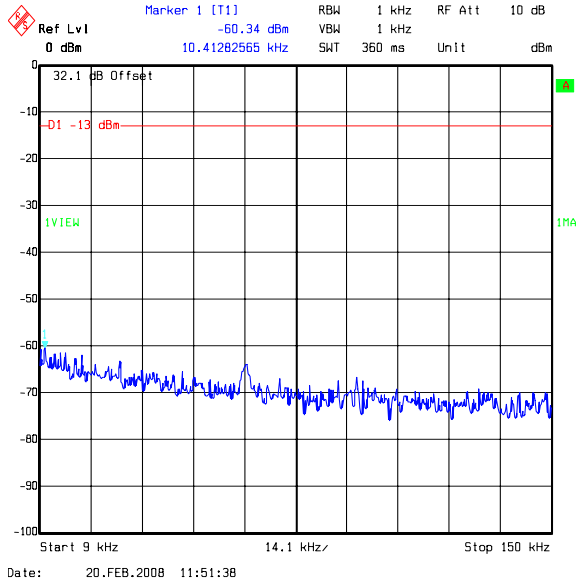
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 3759.6 | -32.9 | -13.0 | 19.9 | Complied |

Top Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1913.0 | -14.8 | -13.0 | 1.8 | Complied |
| 3819.6 | -35.6 | -13.0 | 22.6 | Complied |

Test of: Enfora Inc.
 Enfora Enabler IIIGBGA (GSM0408)
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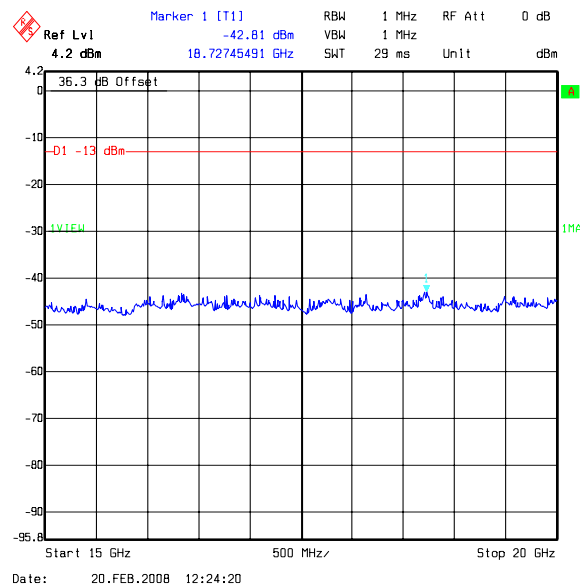
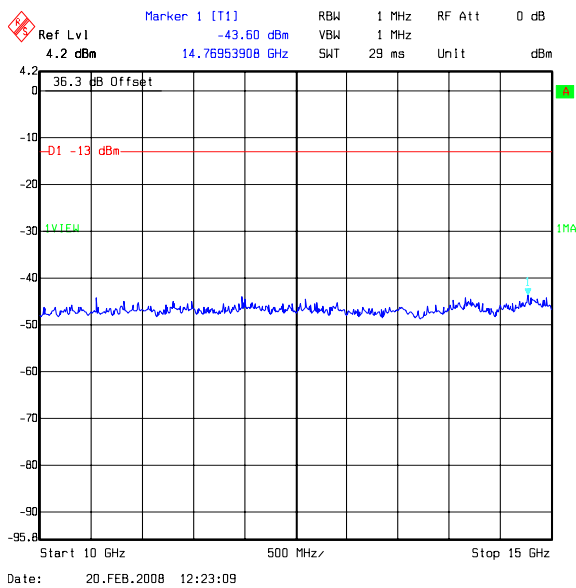
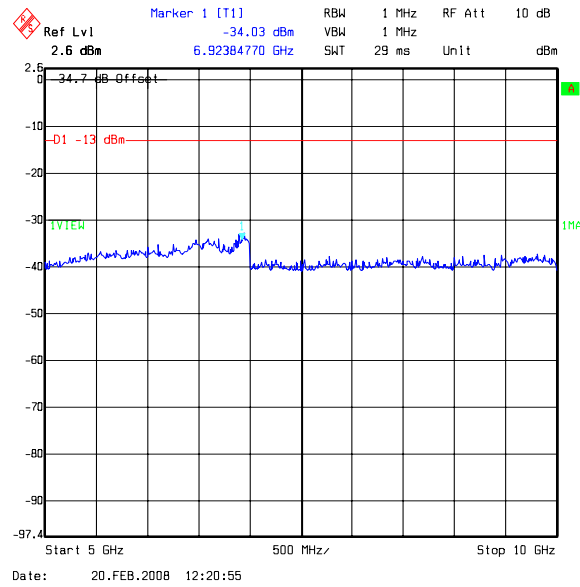
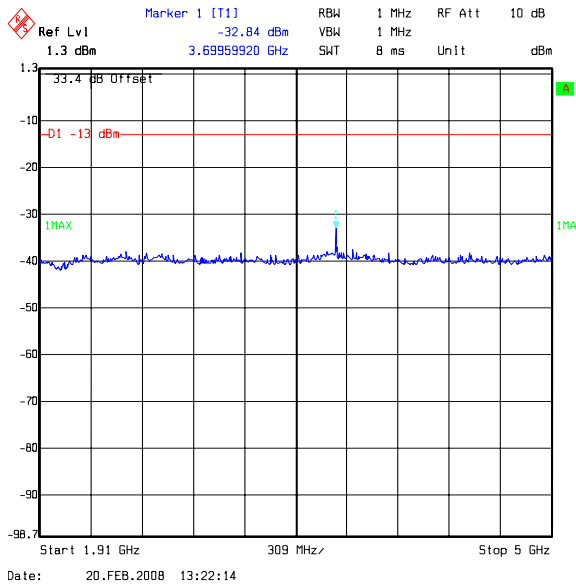
Transmitter Out of Band Conducted Emissions (continued) – Bottom Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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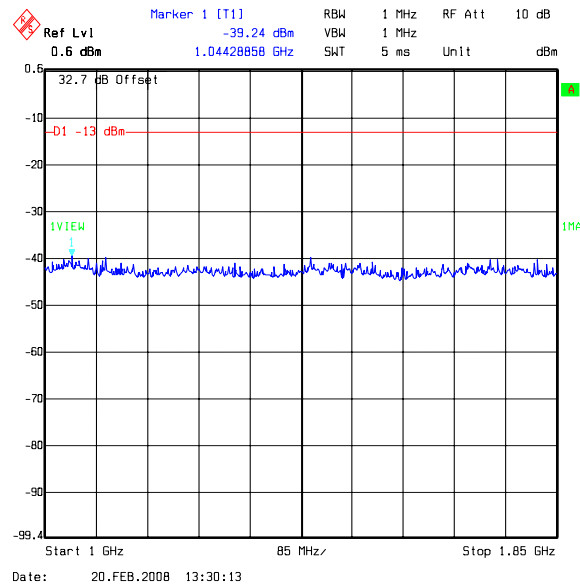
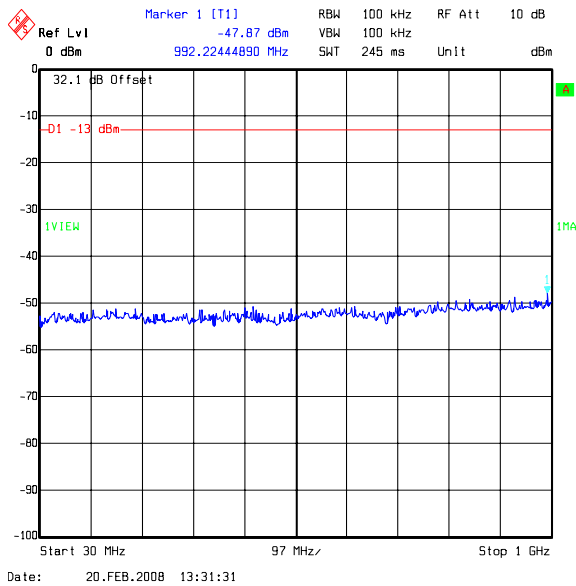
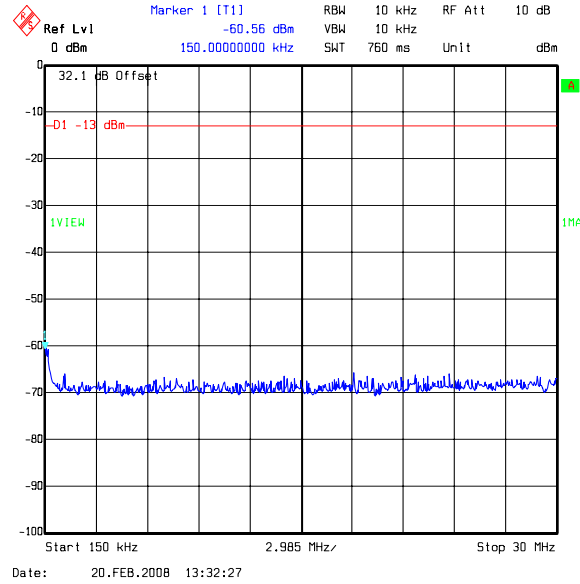
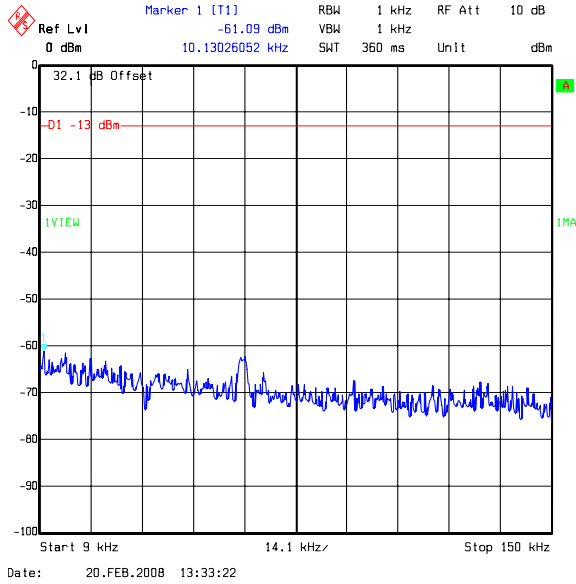
Transmitter Out of Band Conducted Emissions (continued) – Bottom Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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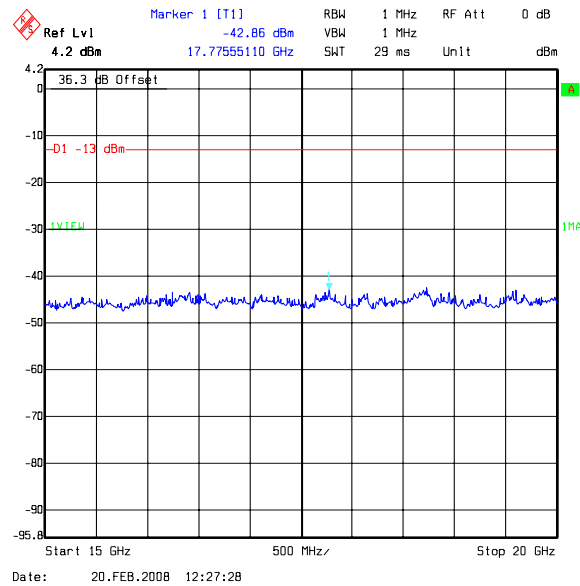
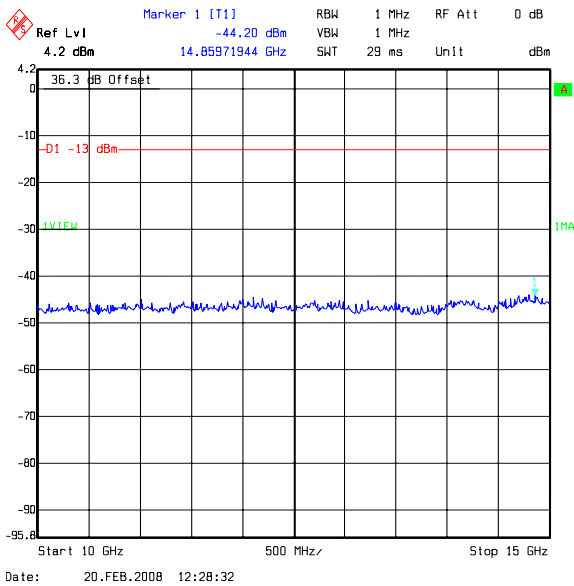
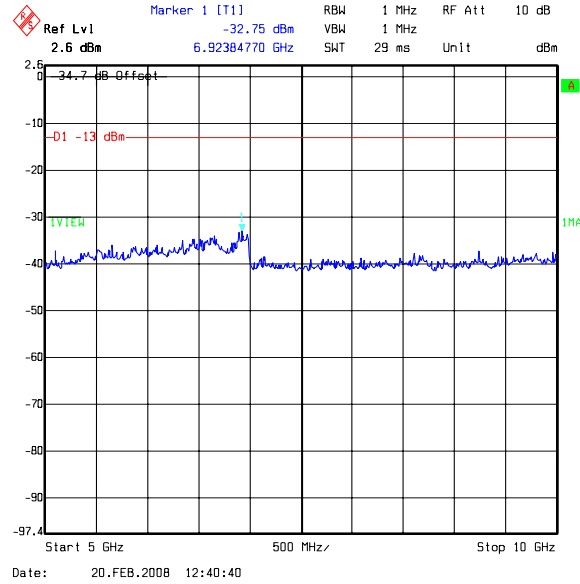
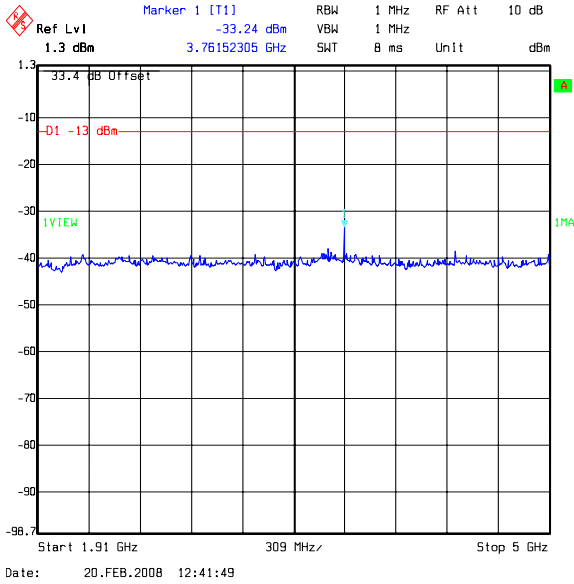
Transmitter Out of Band Conducted Emissions (continued) – Middle Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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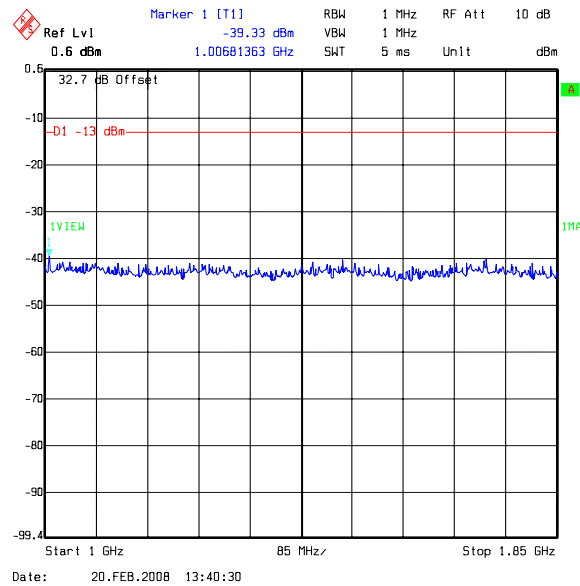
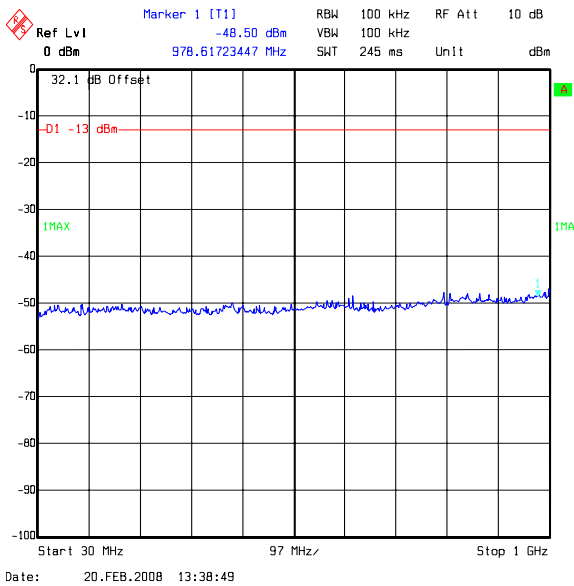
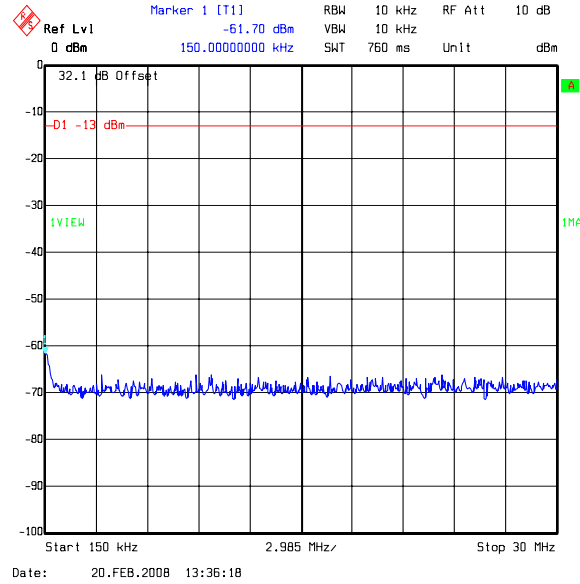
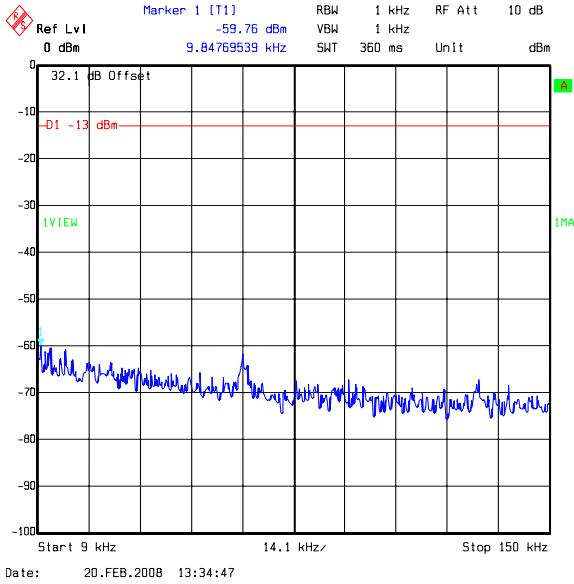
Transmitter Out of Band Conducted Emissions (continued) – Middle Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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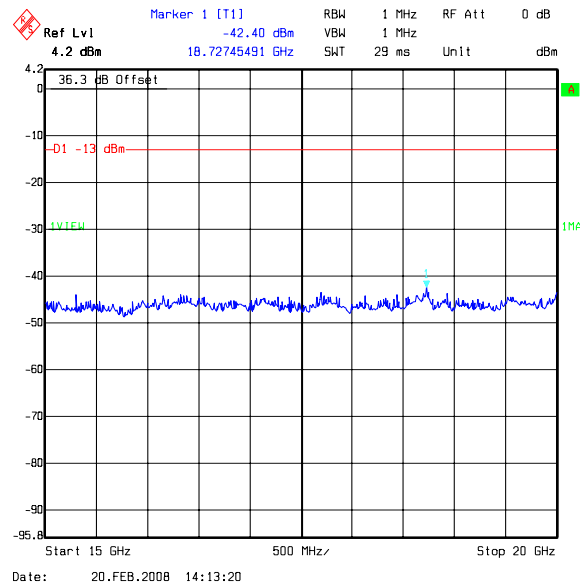
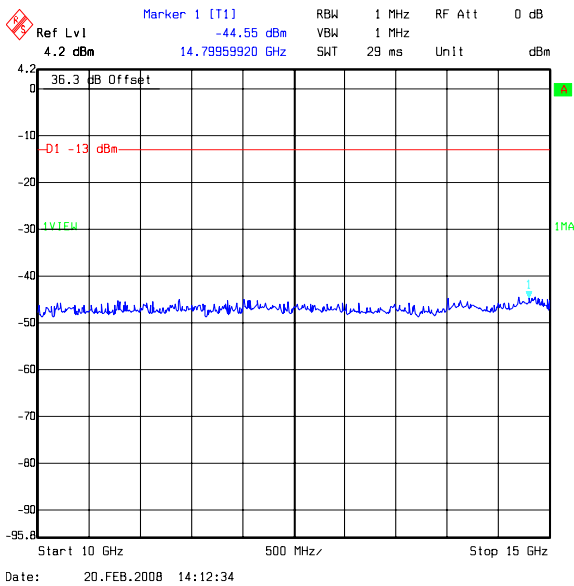
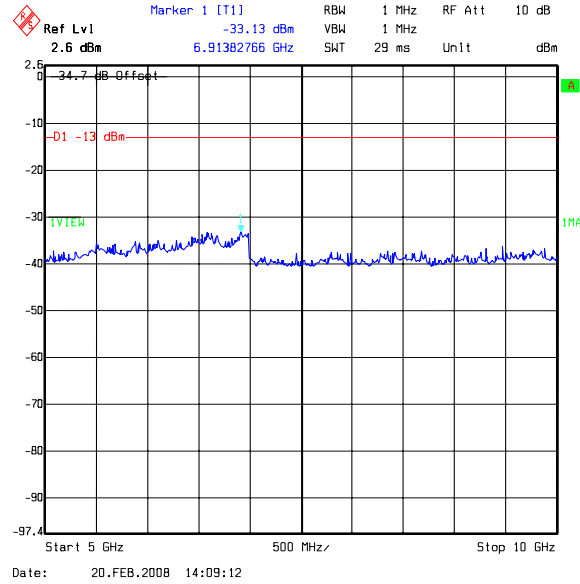
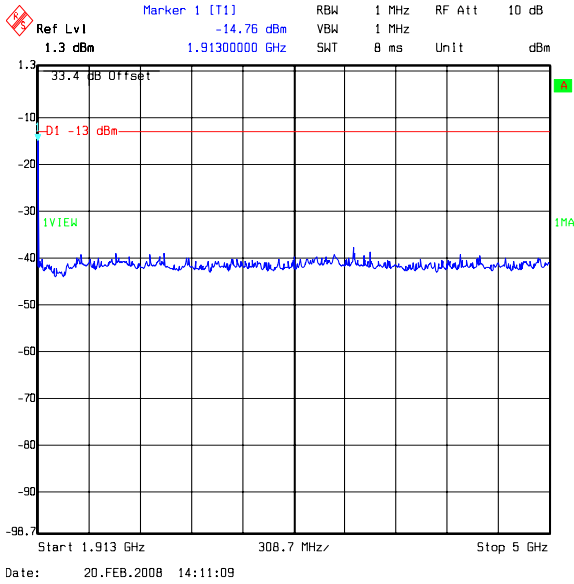
Transmitter Out of Band Conducted Emissions (continued) – Top Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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Transmitter Out of Band Conducted Emissions (continued) – Top Channel



Note: These plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

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Transmitter Out of Band Conducted Emissions (continued)

Integrated Power Over 1 MHz Strip Band: 1847 to 1848 MHz

2nd 1 MHz block immediately outside adjacent frequency block

| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 24.0 | 6 | 28.8 |
| 2 | 21.9 | 7 | 33.1 |
| 3 | 23.4 | 8 | 28.8 |
| 4 | 22.4 | 9 | 35.5 |
| 5 | 21.9 | 10 | 50.1 |
| Total Peak Power: | | 290.0 nW/MHz | |

Integrated Power Over 1 MHz Strip Band: 1848 to 1849 MHz

1st 1 MHz block immediately outside adjacent frequency block

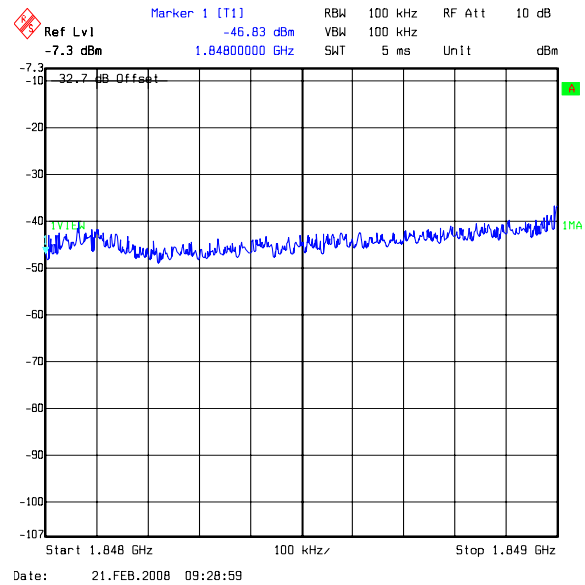
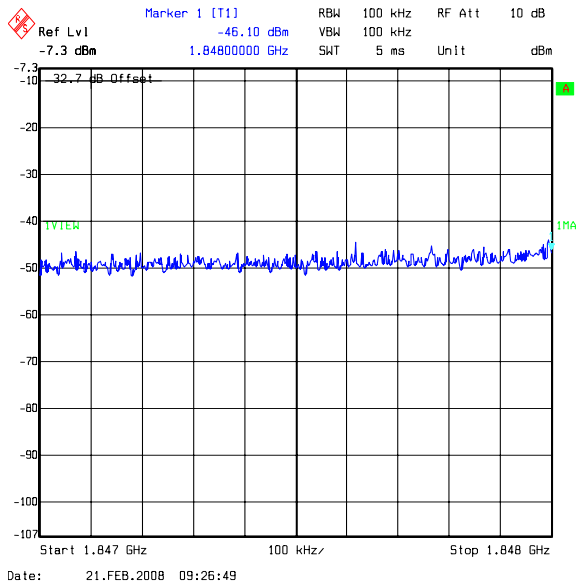
| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 81.3 | 6 | 60.3 |
| 2 | 61.7 | 7 | 87.1 |
| 3 | 44.7 | 8 | 93.3 |
| 4 | 49.0 | 9 | 123.0 |
| 5 | 66.1 | 10 | 257.0 |
| Total Peak Power: | | 923.4 nW/MHz | |

Results:

| Band (MHz) | Peak Power (nW/MHz) | Peak Power (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Status |
|--------------|---------------------|----------------------|-----------------|-------------|----------|
| 1847 to 1848 | 290.0 | -35.4 | -13.0 | 22.4 | Complied |
| 1848 to 1849 | 923.4 | -30.3 | -13.0 | 17.3 | Complied |

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Enfora Enabler IIIGBGA (GSM0408)
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Transmitter Out of Band Conducted Emissions (continued)



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Transmitter Out of Band Conducted Emissions (continued)

Integrated Power Over 1 MHz Strip Band: 1911 to 1912 MHz

1st 1 MHz block immediately outside adjacent frequency block

| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 851.1 | 6 | 72.4 |
| 2 | 141.3 | 7 | 61.7 |
| 3 | 89.1 | 8 | 41.7 |
| 4 | 75.9 | 9 | 50.1 |
| 5 | 64.6 | 10 | 91.2 |
| Total Peak Power: | | 1539.0 nW/MHz | |

Integrated Power Over 1 MHz Strip Band: 1912 to 1913 MHz

2nd 1 MHz block immediately outside adjacent frequency block

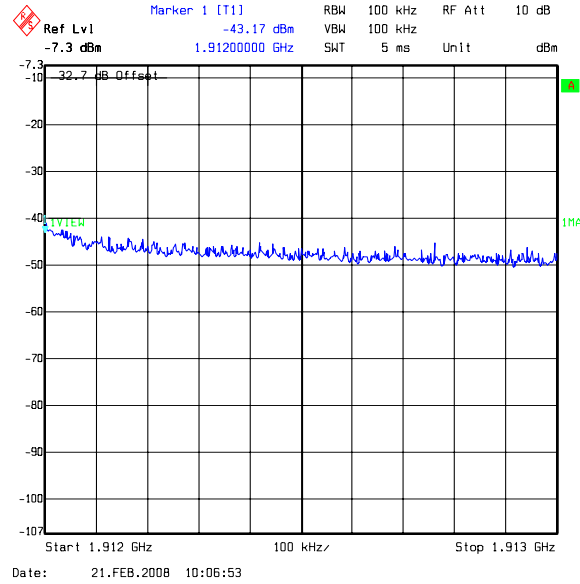
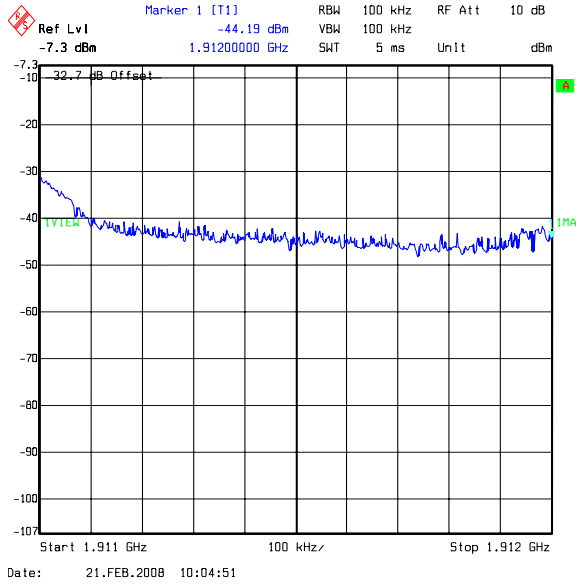
| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 87.1 | 6 | 28.8 |
| 2 | 39.8 | 7 | 26.9 |
| 3 | 36.3 | 8 | 26.3 |
| 4 | 30.9 | 9 | 21.9 |
| 5 | 31.6 | 10 | 23.4 |
| Total Peak Power: | | 353.1 nW/MHz | |

Results:

| Band (MHz) | Peak Power (nW/MHz) | Peak Power (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Status |
|--------------|---------------------|----------------------|-----------------|-------------|----------|
| 1911 to 1912 | 1539.0 | -28.1 | -13.0 | 15.1 | Complied |
| 1912 to 1913 | 353.1 | -34.5 | -13.0 | 21.5 | Complied |

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Transmitter Out of Band Conducted Emissions (continued)



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7.3.9. Transmitter Conducted Emissions at Band Edges

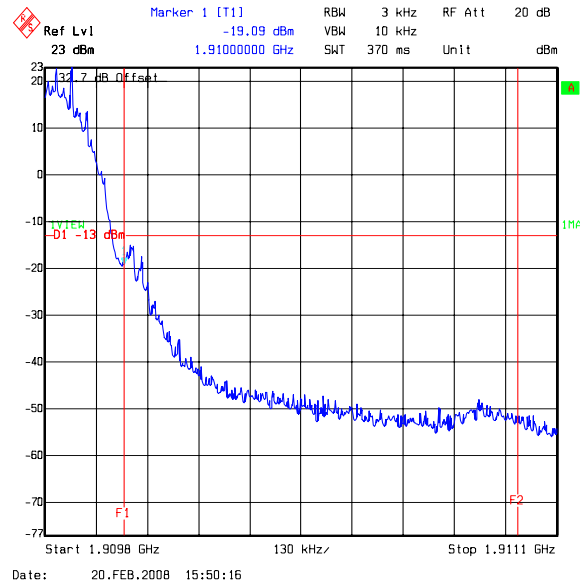
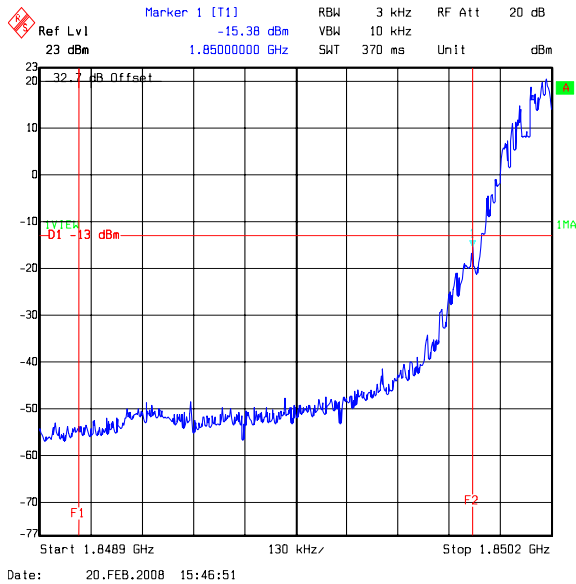
Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 24.238

Bottom Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1850 | -15.4 | -13.0 | 2.4 | Complied |

Top Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1910 | -19.1 | -13.0 | 6.1 | Complied |



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7.3.10. Transmitter Out of Band Radiated Emissions

Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 24.238

Bottom Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 3700.4 | -30.2 | -13.0 | 17.2 | Complied |

Middle Channel

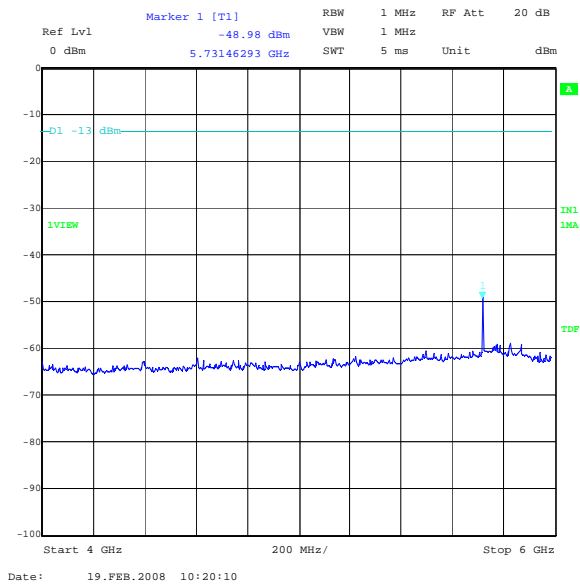
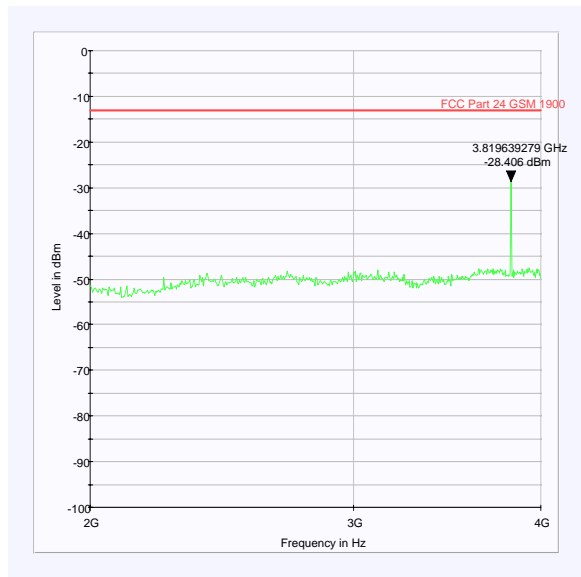
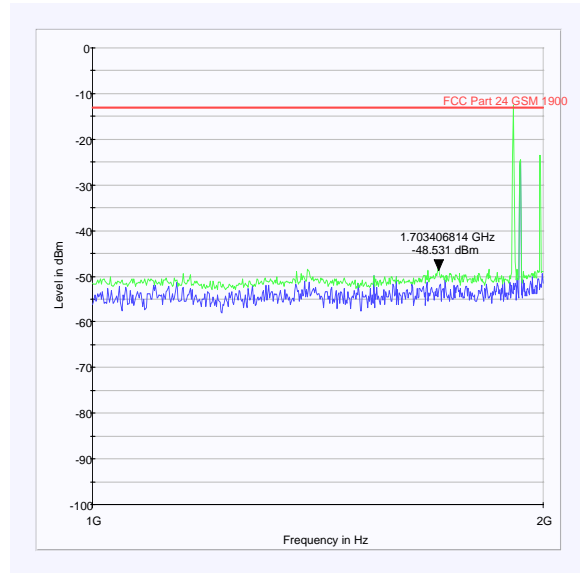
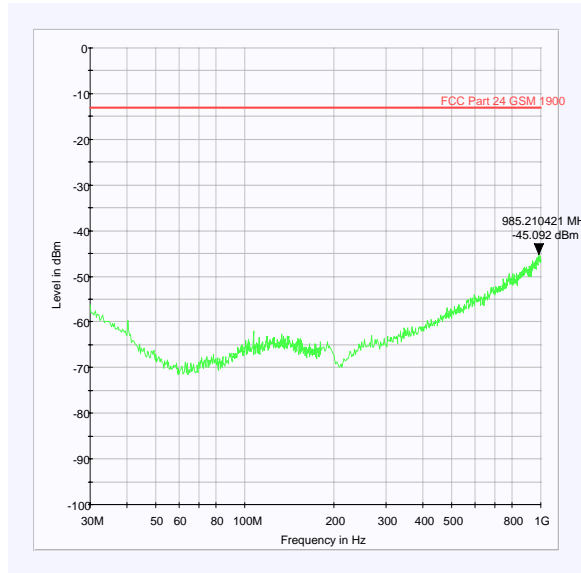
| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 3759.6 | -27.0 | -13.0 | 14.0 | Complied |

Top Channel

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 3819.6 | -27.4 | -13.0 | 14.4 | Complied |

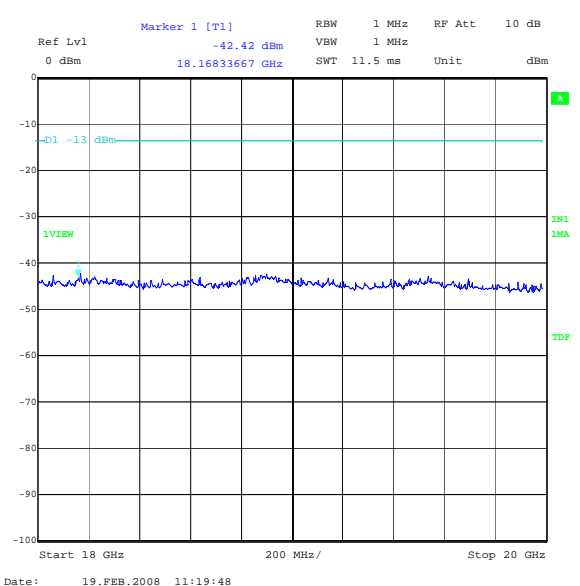
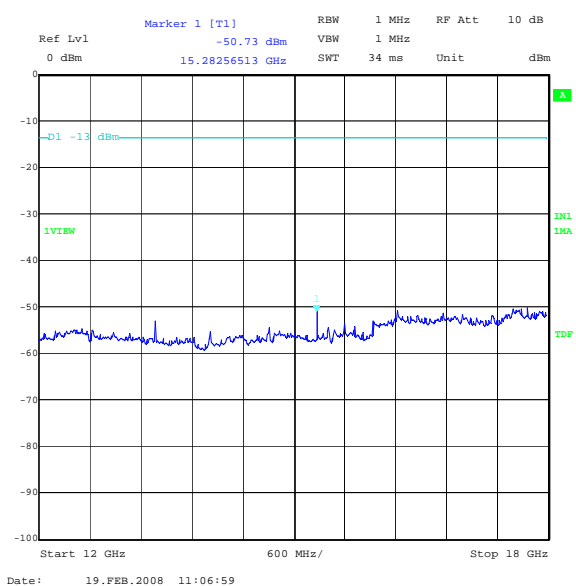
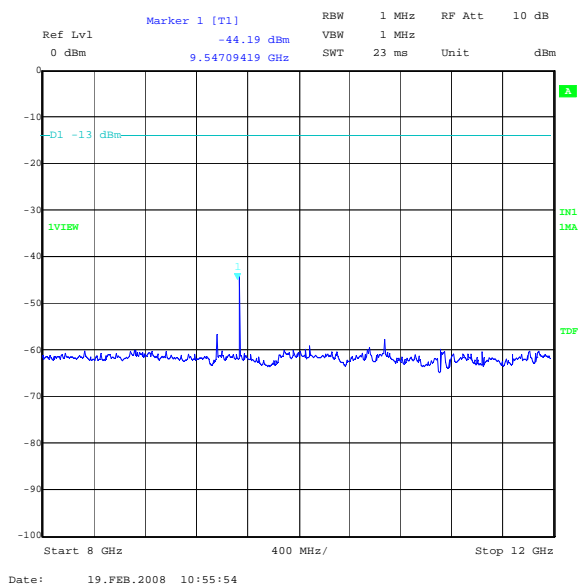
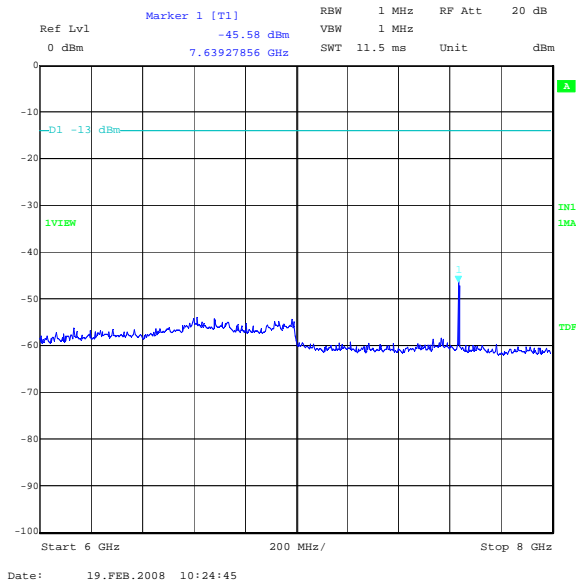
Test of: Enfora Inc.
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Transmitter Out of Band Radiated Emissions (continued)



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Transmitter Out of Band Radiated Emissions (continued)



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Transmitter Out of Band Conducted Emissions (continued)

Integrated Power Over 1 MHz Strip Band: 1911 to 1912 MHz

1st 1 MHz block immediately outside adjacent frequency block

| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 977.2 | 6 | 87.1 |
| 2 | 186.2 | 7 | 67.6 |
| 3 | 138.0 | 8 | 53.7 |
| 4 | 109.6 | 9 | 57.5 |
| 5 | 64.6 | 10 | 125.9 |
| Total Peak Power: | | 1867.5 nW/MHz | |

Integrated Power Over 1 MHz Strip Band: 1912 to 1913 MHz

2nd 1 MHz block immediately outside adjacent frequency block

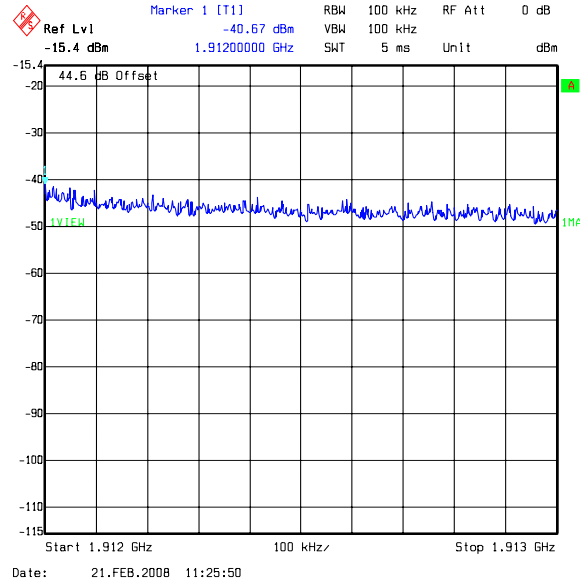
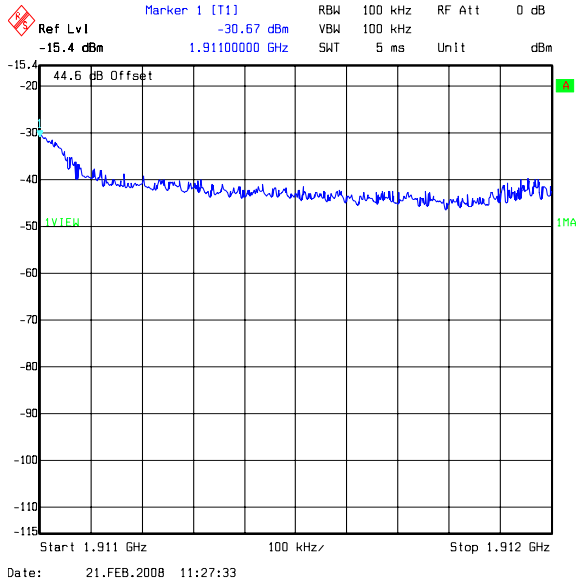
| 100 kHz Strip Number | Peak Power (nW/100 kHz) | 100 kHz Strip Number | Peak Power (nW/100 kHz) |
|--------------------------|-------------------------|----------------------|-------------------------|
| 1 | 87.1 | 6 | 33.1 |
| 2 | 53.7 | 7 | 32.4 |
| 3 | 39.8 | 8 | 28.8 |
| 4 | 34.7 | 9 | 31.6 |
| 5 | 31.6 | 10 | 25.1 |
| Total Peak Power: | | 398.0 nW/MHz | |

Results:

| Band (MHz) | Peak Power (nW/MHz) | Peak Power (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Status |
|--------------|---------------------|----------------------|-----------------|-------------|----------|
| 1911 to 1912 | 1867.5 | -27.3 | -13.0 | 14.3 | Complied |
| 1912 to 1913 | 398.0 | -34.0 | -13.0 | 21.0 | Complied |

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Transmitter Out of Band Radiated Emissions (continued)



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7.3.11. Transmitter Radiated Emissions at Band Edges

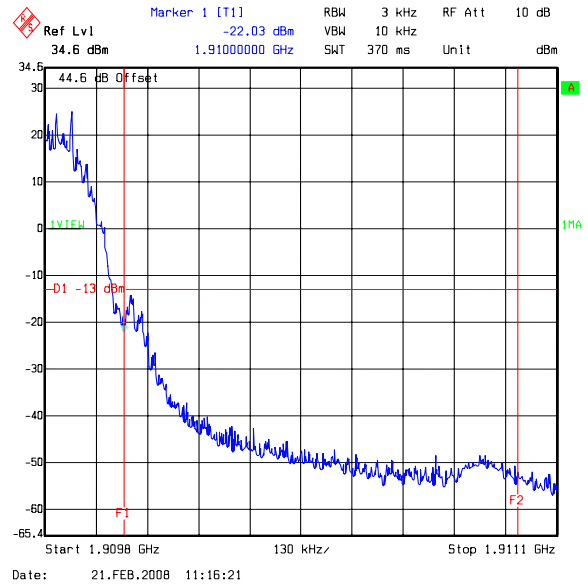
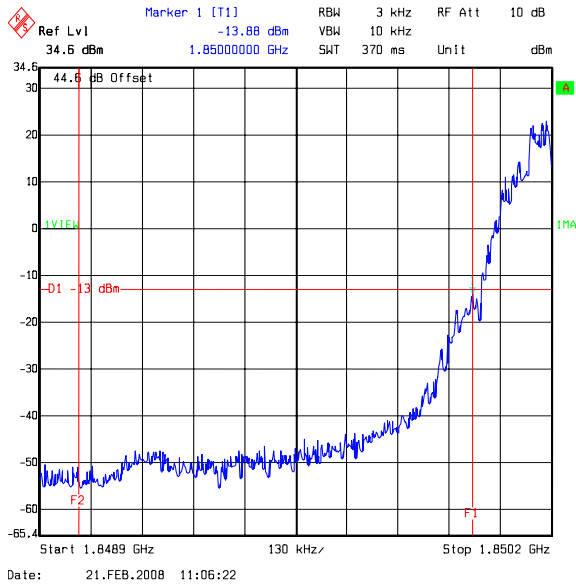
Tests were performed using the test methods detailed in ANSI TIA-603-C-2004 referencing FCC CFR Parts 2 and 24.238

Bottom Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1850 | -13.9 | -13.0 | 0.9 | Complied |

Top Band Edge

| Frequency (MHz) | Peak Emission Level (dBm) | Limit (dBm) | Margin (dB) | Result |
|-----------------|---------------------------|-------------|-------------|----------|
| 1910 | -22.0 | -13.0 | 9.0 | Complied |



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8. Measurement Uncertainty

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently, the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor, such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

| Measurement Type | Range | Confidence Level (%) | Calculated Uncertainty |
|----------------------------------|--------------------|----------------------|------------------------|
| AC Conducted Spurious Emissions | 0.15 MHz to 30 MHz | 95 | +/- 3.72 dB |
| Carrier Output Power | Not applicable | 95 | +/- 0.46 dB |
| Conducted Emissions | 9 kHz to 10 GHz | 95 | +/- 1.2 dB |
| Conducted Emissions Antenna Port | 30 MHz to 10 GHz | 95 | +/- 1.2 dB |
| Frequency Stability | Not applicable | 95 | +/- 20 Hz |
| Occupied Bandwidth | 824 to 849 MHz | 95 | +/- 0.12 % |
| Radiated Spurious Emissions | 30 MHz to 1000 MHz | 95 | +/- 5.26 dB |
| Radiated Spurious Emissions | 1 GHz to 10 GHz | 95 | +/- 2.94 dB |

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty, the published guidance of the appropriate accreditation body is followed.

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Appendix 1. Test Equipment Used

| RFI No. | Instrument | Manufacturer | Type No. | Serial No. | Date Last Calibrated | Cal. Interval (Months) |
|---------|-------------------------------|-------------------------|---------------|-----------------|--------------------------|------------------------|
| A028 | Antenna | Eaton | 91888-2 | 304 | 08 Jun 2006 | 36 |
| A031 | Antenna | Eaton | 91889-2 | 557 | 08 Jun 2006 | 36 |
| A088 | Variable Transformer | Zenith | Y20-HM | 9029 | Calibrated before use | - |
| A090 | Attenuator | Narda | 743-60 | 01057 | Calibrated before use | - |
| A1141 | Directional Coupler | Hewlett Packard | 11691D | 1212A02494 | Calibrated before use | - |
| A1398 | Attenuator | Weinschel Associates | WA46-20 | A129 | Calibrated before use | - |
| A1534 | Pre Amplifier | Hewlett Packard | 8449B OPT H02 | 3008A00405 | Calibrated before use | - |
| A1829 | Pulse Limiter | Rhode & Schwarz | ESH3-Z2 | 100671 | 16 Jan 2008 | 12 |
| A253 | Antenna | Flann Microwave | 12240-20 | 128 | 17 Nov 2006 | 36 |
| A254 | Antenna | Flann Microwave | 14240-20 | 139 | 17 Nov 2006 | 36 |
| A255 | Antenna | Flann Microwave | 16240-20 | 519 | 17 Nov 2006 | 36 |
| A256 | Antenna | Flann Microwave | 18240-20 | 400 | 17 Nov 2006 | 36 |
| A436 | Antenna | Flann | 20240-20 | 330 | 24 Apr 2006 | 36 |
| A553 | Antenna | Chase | CBL611 1A | 1593 | 14 Feb 2008 | 12 |
| E0511 | VTM 7004 | Votsch Industrietechnik | VTM 7004 | 58566087700 010 | Calibrated before use | - |
| M023 | Test Receiver | Rohde & Schwarz | ESVP | 872 991/027 | 24 Apr 2007 | 12 |
| M1093 | Communications Test Set | Willtek | 4202S | 0513018 | Calibration not required | - |
| M1140 | Radio Communications Analyser | Anritsu | MT8820 A | 6K0000647 | Calibration not required | - |

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Test Equipment Used (continued)

| RFI No. | Instrument | Manufacturer | Type No. | Serial No. | Date Last Calibrated | Cal. Interval (Months) |
|---------|---------------------|-----------------------|----------|---------------|----------------------|------------------------|
| M1242 | Spectrum Analyser | Rohde & Schwarz, Inc. | FSEM30 | 845986/022 | 29 Nov 2007 | 12 |
| M1249 | Thermometer | Fluke | 52II | 88800049 | 20 Sep 2007 | 12 |
| M1251 | Digital Multimeter | Fluke | 175 | 89170179 | 21 Dec 2007 | 12 |
| M127 | Spectrum Analyser | Rohde & Schwarz | FSEB 30 | 842 659/016 | 18 July 2007 | 12 |
| M1273 | Test Receiver | Rhode & Schwarz | ESIB 26 | 100275 | 26 Feb 2008 | 12 |
| M1379 | Test Receiver | Rohde and Schwarz | ESIB7 | 100330 | 02 Aug 2007 | 12 |
| S201 | Open Area Test Site | RFI | 1 | - | 25 May 2007 | 12 |
| S202 | Site 2 | RFI | 2 | S202-15011990 | 28 Jan 2008 | 12 |

NB In accordance with UKAS requirements, all the measurement equipment is on a calibration schedule.

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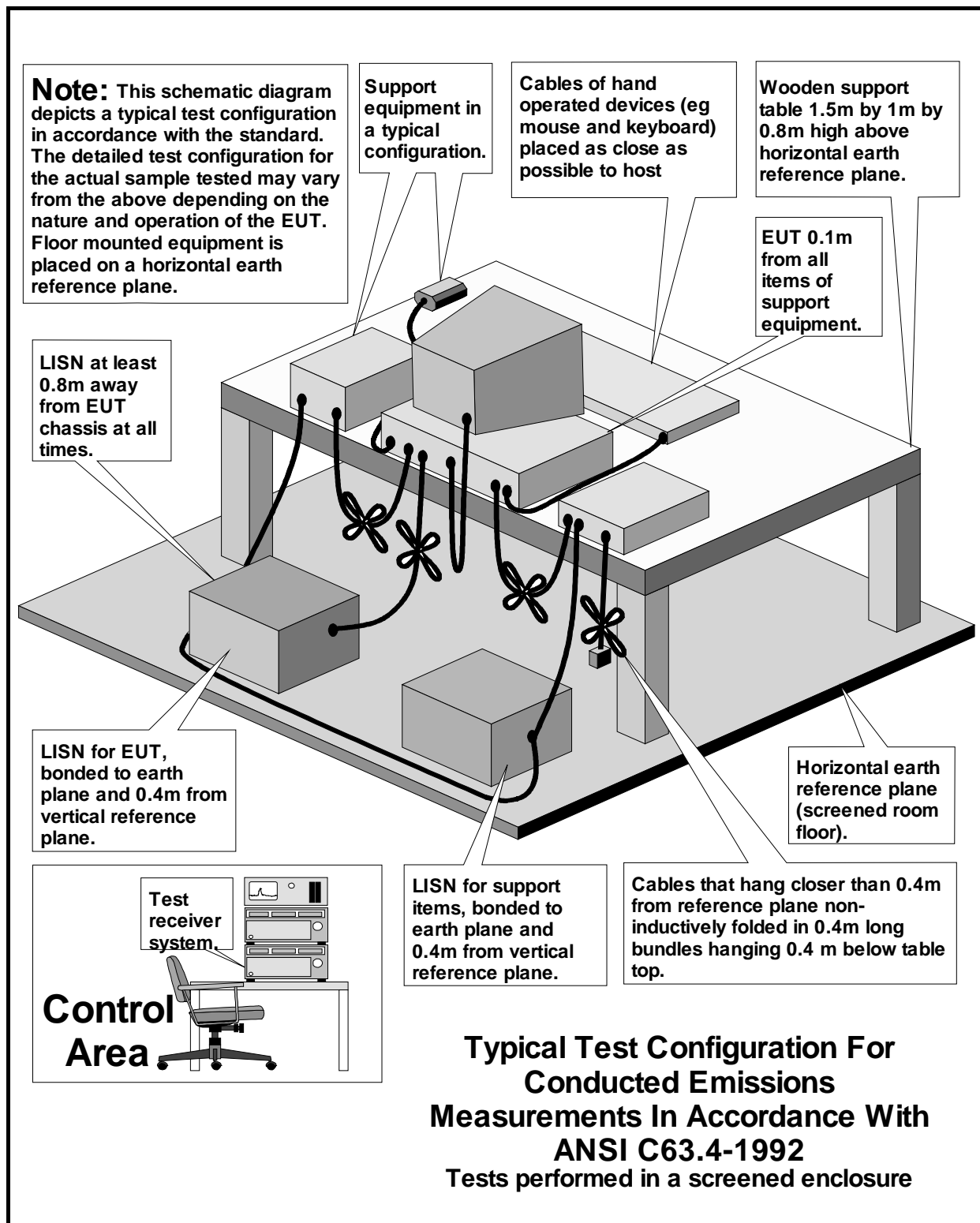
Appendix 2. Test Configuration Drawings

This appendix contains the following drawings:

| Drawing Reference Number | Title |
|---------------------------------|--|
| DRG\49741JD05\EMICON | Test configuration for measurement of conducted emissions. |
| DRG\49741JD05\EMIRAD | Test configuration for measurement of radiated emissions. |

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DRG\49741JD05\EMICON



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