

**TEST REPORT  
FROM  
RFI GLOBAL SERVICES LTD**

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC  
Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and  
RSS-133 Issue 4 February 2008

**Test Report Serial No:**  
RFI/RPT3/RP73085JD05A

**Supersedes Test Report Serial No:**  
RFI/RPT2/RP73085JD05A

**This Test Report Is Issued Under The Authority  
Of Steve Flocks, Service Leader:**

  
pp

**Checked By: Nigel Davison**



**Report Copy No: PDF01**

**Issue Date: 30 September 2008**

**Test Dates: 23 June 2008 to 27 June 2008**

This report is issued in Adobe Acrobat portable document format (PDF). It is only a valid copy of the report if it is being viewed in PDF format with the following security options not allowed: Changing the document, Selecting text and graphics, Adding or changing notes and form fields. This report may be copied in full. The results in this report apply only to the sample(s) tested.

**RFI Global Services Ltd**

Pavilion A, Ashwood Park, Ashwood Way, Basingstoke, Hampshire RG23 8BG

Telephone: +44 (0)1256 312000 Facsimile: +44 (0)1256 312001

Email: [info@rfi-global.com](mailto:info@rfi-global.com) Website: [www.rfi-global.com](http://www.rfi-global.com)

Registered in England and Wales. Company number:2117901

**Test of: Enfora  
Enabler III LPP G LPP0108-40**

**To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**

---

This page has been left intentionally blank.

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Table of Contents**

1. Client Information .....4

2. Equipment Under Test (EUT).....5

3. Test Specification, Methods and Procedures .....8

4. Deviations from the Test Specification .....10

5. Operation of the EUT during Testing.....11

6. Summary of Test Results.....12

7. Measurements, Examinations and Derived Results.....14

8. Measurement Uncertainty .....48

Appendix 1. Test Equipment Used.....49

Appendix 2. Test Configuration Drawings .....51

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

## 1. Client Information

Company Name:	Enfora Inc.
Address:	251 Renner Parkway Richardson TEXAS 75080
Contact Name:	Mr R Holden

Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

## **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)**

<b>Description:</b>	Test board for GSM module
<b>Brand Name:</b>	Enfora
<b>Model Name or Number:</b>	LPP0108-40
<b>Serial Number:</b>	66
<b>IMEI Number:</b>	001036000140668
<b>FCC ID Number:</b>	MIVLPP0108
<b>Country of Manufacture:</b>	None Stated
<b>Date of Receipt:</b>	17 June 2008

### **2.2. Support Equipment**

<b>Description:</b>	AC-DC PSU
<b>Brand Name:</b>	Enfora
<b>Model Name:</b>	SWITCH-MODE POWER SUPPLY
<b>Model Number:</b>	EPA-101MU-05A
<b>Serial Number:</b>	DPS050250UM-P7-SZ
<b>Cable Length &amp; Type:</b>	2.0 metre / 2-Core
<b>Connected to Port:</b>	DC input
<b>Country of Manufacture:</b>	None Stated
<b>Date of Receipt:</b>	17 June 2008

### **2.3. Description of EUT**

The equipment under test was a GSM/GPRS module mounted on a development board.

### **2.4. Modifications Incorporated in EUT**

During the course of testing the EUT was not modified.

Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),

RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**2.5. Additional Information Related to Testing**

<b>Power Supply Requirement:</b>	VAC-Norm 110 V, V-Min 93.5 V, V-Max 126.5 V Vdc Norm 3.6 V, V-Min 3.3 V, V-Max 4.5 V
<b>Type of Unit:</b>	Transceiver
<b>Channel Spacing:</b>	0.2 MHz
<b>Modulation Type:</b>	GMSK
<b>Data Rate:</b>	270kbit/s

**FCC Part 22**

<b>Transmit Frequency Range:</b>	824 MHz to 849 MHz		
<b>Transmit Channels Tested:</b>	<b>Channel ID</b>	<b>Channel Number</b>	<b>Channel Frequency (MHz)</b>
	Bottom	128	824.2
	Middle	189	836.4
	Top	251	848.8
<b>Receive Frequency Range:</b>	869 MHz to 894 MHz		
<b>Receive Channels Tested:</b>	<b>Channel ID</b>	<b>Channel Number</b>	<b>Channel Frequency (MHz)</b>
	Bottom	128	869.2
	Middle	189	881.4
	Top	251	893.8
<b>Maximum Power Output (ERP):</b>	27.5 dBm		

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Additional Information Related to Testing (Continued)**

**FCC Part 24**

<b>Transmit Frequency Range:</b>	1850 MHz to 1910 MHz		
<b>Transmit Channels Tested:</b>	<b>Channel ID</b>	<b>Channel Number</b>	<b>Channel Frequency (MHz)</b>
	Bottom	512	1850.2
	Middle	660	1879.8
	Top	810	1909.8
<b>Receive Frequency Range:</b>	1930 MHz to 1990 MHz		
<b>Receive Channels Tested:</b>	<b>Channel ID</b>	<b>Channel Number</b>	<b>Channel Frequency (MHz)</b>
	Bottom	512	1930.2
	Middle	660	1959.8
	Top	810	1989.8
<b>Maximum Power Output (EIRP):</b>	29.6 dBm		

Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

### 3. Test Specification, Methods and Procedures

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

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

<b>Reference:</b>	RSS-GEN Issue 2 June 2007
<b>Title:</b>	General Requirements and Information for the Certification of Radiocommunication Equipment

<b>Reference:</b>	RSS-132 Issue 2 Sep 2005
<b>Title:</b>	Cellular Telephones Employing New Technologies Operating in the Bands 824- 849 MHz and 869-894 MHz

<b>Reference:</b>	RSS-133 Issue 4 Feb 2008
<b>Title:</b>	2 GHz Personal Communications Services

<b>Reference:</b>	SRSP-510 Issue 4 Feb 2008
<b>Title:</b>	Technical Requirements for Personal Communications Services in the Bands 1850-1915 MHz and 1930-1995 MHz

<b>Reference:</b>	SRSP-503 Issue 6 Jun 2003
<b>Title:</b>	Technical Requirements for Cellular Radiotelephone Systems Operating in the Bands 824 – 849 MHz and 869 – 894 MHz



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### **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.

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

#### **4. Deviations from the Test Specification**

There were no deviations from the test specification.

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

## **5. Operation of the EUT during Testing**

### **5.1. Operating Modes**

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

- Connected (via wireless link) to a GSM system simulator, operating in GSM transceiver mode.
- Transmitter Modes:  
Testing was performed at full power on the top, middle and bottom channels of the assigned frequency block.
- Receiver/Idle Modes:  
Testing was performed with call terminated from the GSM test simulator and the equipment left in its Idle mode.

### **5.2. Configuration and Peripherals**

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

- Tests were performed with the EUT powered using AC-DC PSU model EPA-101MU-05A. The frequency tolerance over voltage variations was performed by varying the DC voltage directly to the module.
- Preliminary emissions testing were performed on both GSM and GPRS modes and it was found that the GSM mode was worst regards emissions. All other emissions testing was performed in GSM mode.

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

## 6. Summary of Test Results

### FCC Part 22

Range of Measurements	FCC 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 Emissions	15.109	RSS-Gen 4.10/6.0 RSS-132 4.6	Enclosure	Complied
Transmitter Effective Radiated Power (ERP)	22.913(a)	RSS-132 4.4 SRSP-503 5.1.3	Antenna	Complied
Transmitter Frequency Stability (Temperature Variation)	22.355	RSS-132 4.3 RSS Gen 4.7	*Antenna Terminals	Complied
Transmitter Frequency Stability (Voltage Variation)	22.355	RSS-132 4.3 RSS Gen 4.7	*Antenna Terminals	Complied
Transmitter Occupied Bandwidth	2.1049	RSS-Gen 4.6	*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

**\*Note.** This is an access point on the EUT provided by the manufacturer for the purpose of this test.

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

## Summary of Test Results (Continued)

### FCC Part 24

Range of Measurements	FCC Reference	IC RSS Reference	Port Type	Compliance Status
Idle Mode AC Conducted Spurious Emissions (150 kHz to 30 MHz)	15.107	RSS-Gen 7.2.2	AC Mains Input	Complied
Idle Mode Radiated Spurious Emissions	15.109	RSS-Gen 4.10/6.0 RSS-133 6.6	Enclosure	Complied
Transmitter Effective Isotropic Radiated Power (EIRP)	24.232	RSS-133 6.4 SRSP-510 5.1.2	Antenna	Complied
Transmitter Frequency Stability (Temperature Variation)	24.235	RSS-133 6.3 RSS Gen 4.7	*Antenna Terminals	Complied
Transmitter Frequency Stability (Voltage Variation)	24.235	RSS-133 6.3 RSS Gen 4.7	*Antenna Terminals	Complied
Transmitter Occupied Bandwidth	24.238	RSS-Gen 4.6.1	*Antenna Terminals	Complied
Transmitter Out of Band Radiated Emissions	2.1053/24.238	RSS-133 6.5	Antenna	Complied
Transmitter Band Edge Radiated Emissions	2.1053/24.238	RSS-133 6.5	Antenna	Complied

\*Note. This is an access point on the EUT provided by the manufacturer for the purpose of this test.

### 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.

### 6.2. Site Registration Numbers

FCC: 90895

IC: 3485

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

## **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.

Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**7.2. Test Results – FCC Part 22 (Subpart H) and RSS-132****7.2.1. Receiver/Idle Mode AC Conducted Spurious Emissions: Section 15.107**

Ambient Temperature: 20°C

Relative Humidity: 47%

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

**Results:****Quasi-Peak Detector Measurements on Live and Neutral Lines**

Frequency (MHz)	Line	Level (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Result
0.206000	Live	19.4	63.4	44.0	Complied
0.362000	Neutral	12.4	58.7	46.3	Complied
1.406000	Live	7.4	56.0	48.6	Complied
2.050000	Live	8.0	56.0	48.0	Complied
2.758000	Live	8.7	56.0	47.3	Complied
2.846000	Live	8.7	56.0	47.3	Complied
3.246000	Live	8.8	56.0	47.2	Complied
3.858000	Live	9.3	56.0	46.7	Complied
4.270000	Live	9.4	56.0	46.6	Complied
4.702000	Live	9.9	56.0	46.1	Complied

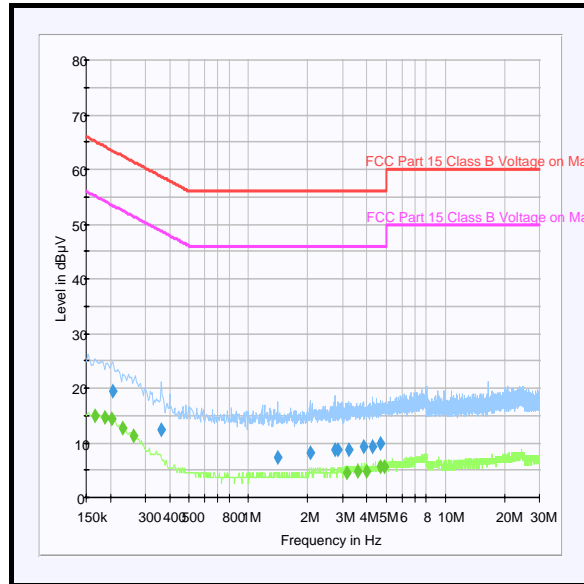
**Average Detector Measurements on Live and Neutral Lines**

Frequency (MHz)	Line	Level (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Result
0.166000	Neutral	14.9	55.2	40.3	Complied
0.186000	Neutral	14.7	54.2	39.5	Complied
0.202000	Neutral	14.4	53.5	39.1	Complied
0.230000	Neutral	12.6	52.4	39.8	Complied
0.262000	Neutral	11.2	51.4	40.2	Complied
3.142000	Neutral	4.6	46.0	41.4	Complied
3.598000	Live	4.7	46.0	41.3	Complied
3.970000	Live	4.7	46.0	41.3	Complied
4.654000	Live	5.6	46.0	40.4	Complied
4.918000	Live	5.7	46.0	40.3	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40  
To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Receiver/Idle Mode AC Conducted Spurious Emissions: Section 15.107 (Continued)**



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



Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**7.2.2. Receiver/Idle Mode Radiated Spurious Emissions – Class B: Section 15.109**

Ambient Temperature: 19°C

Relative Humidity: 48%

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

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

Frequency (MHz)	Antenna Polarity	Quasi Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
931.054	Vertical	34.8	46.0	11.2	Complied

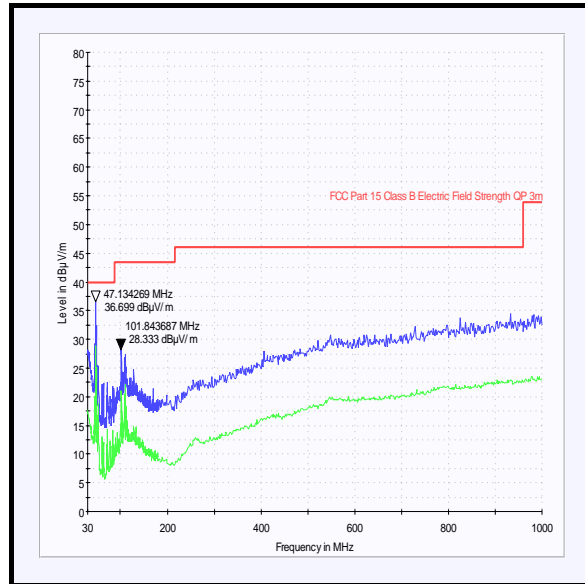
**Note(s):**

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. 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.
2. 47.134 MHz and 101.843 MHz emissions were found to be ambient emissions.

Test of: Enfora  
Enabler III LPP G LPP0108-40  
To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Receiver/Idle Mode Radiated Spurious Emissions – Class B: Section 15.109 (Continued)**



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

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### 7.2.3. Receiver/Idle Mode Radiated Spurious Emissions

#### Results:

#### Electric Field Strength Measurements (Frequency Range: 1 to 6 GHz)

#### Highest Peak Level

Frequency (GHz)	Antenna Polarity	Detector Level (dB $\mu$ V)	Transducer Factor (dB)	Actual Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
3.695391	Vertical	52.7	-6.3	46.4	*54.0	7.4	Complied

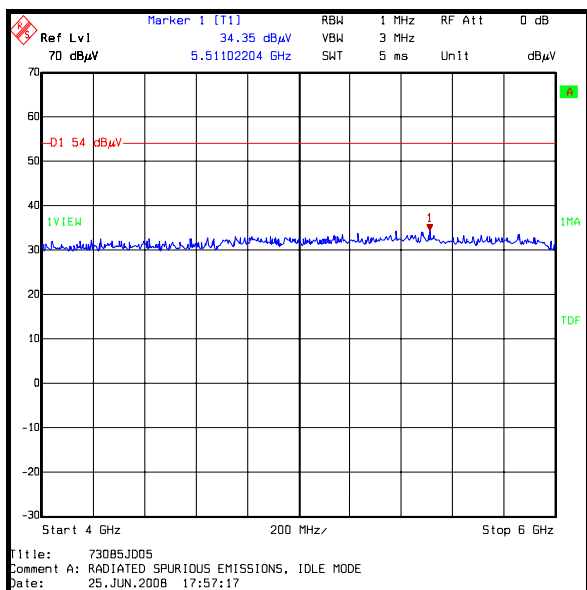
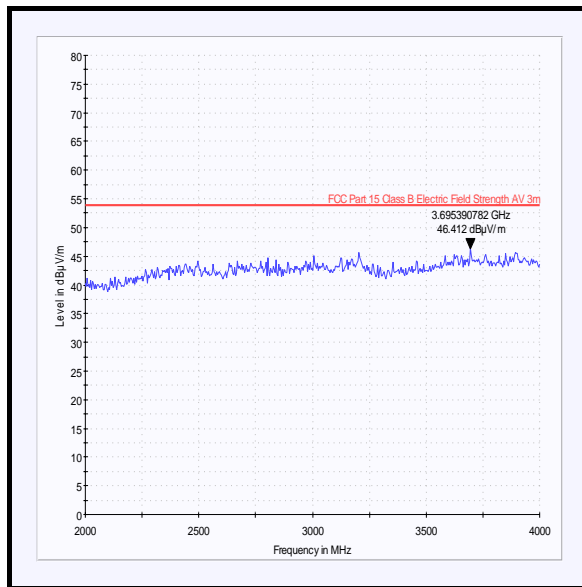
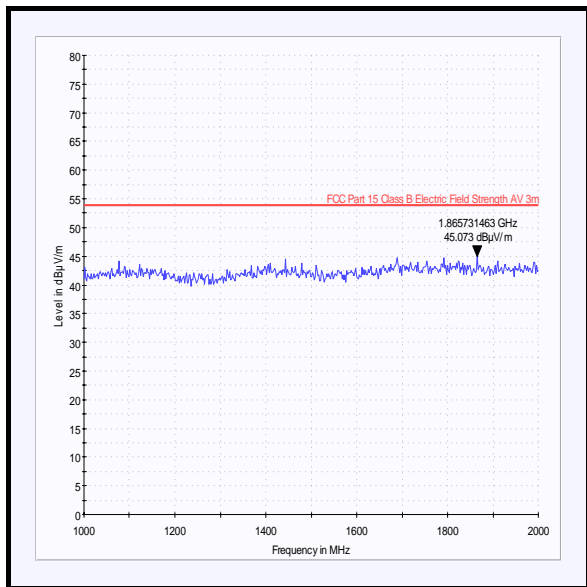
\*Note: Average limit.

#### 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. 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  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Receiver/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  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

#### **7.2.4. Transmitter Effective Radiated Power (ERP) : Section 22.913(a)(2)**

Ambient Temperature: 22°C

Relative Humidity: 42%

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

#### **Results:**

Channel	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	824.2	26.6	38.4	11.8	Complied
Middle	836.6	27.5	38.4	10.9	Complied
Top	848.8	25.8	38.4	12.6	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### **7.2.5. Transmitter Frequency Stability (Temperature Variation) – Section 22.355**

Ambient Temperature: 23°C

Relative Humidity: 64%

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

#### **Results:**

#### **Bottom Channel (824.2 MHz)**

Temperature (°C)	Measured Frequency (MHz)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Margin (ppm)	Result
-30	824.199990	-10	0.01	2.5	2.49	Complied
-20	824.199988	-12	0.01	2.5	2.49	Complied
-10	824.199988	-12	0.01	2.5	2.49	Complied
0	824.199986	-14	0.02	2.5	2.48	Complied
10	824.199990	-10	0.01	2.5	2.49	Complied
20	824.199985	-15	0.02	2.5	2.48	Complied
30	824.199986	-14	0.02	2.5	2.48	Complied
40	824.199992	-8	0.01	2.5	2.49	Complied
50	824.199985	-15	0.02	2.5	2.48	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Transmitter Frequency Stability (Temperature Variation) – Section 22.355 (Continued)**

**Results:**

**Top Channel (848.8 MHz)**

Temperature (°C)	Measured Frequency (MHz)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Margin (ppm)	Result
-30	848.799995	-5	0.01	2.5	2.49	Complied
-20	848.799992	-8	0.01	2.5	2.49	Complied
-10	848.799989	-11	0.01	2.5	2.49	Complied
0	848.799986	-14	0.02	2.5	2.48	Complied
10	848.799990	-10	0.01	2.5	2.49	Complied
20	848.799988	-12	0.01	2.5	2.49	Complied
30	848.799987	-13	0.02	2.5	2.48	Complied
40	848.799989	-11	0.01	2.5	2.49	Complied
50	848.799986	-14	0.02	2.5	2.48	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

### 7.2.6. Transmitter Frequency Stability (Voltage Variation) – Section 22.355

Ambient Temperature: 23°C

Relative Humidity: 64%

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

#### Results:

##### Bottom Channel (824.2 MHz)

Supply Voltage (V)	Measured Frequency (MHz)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Margin (ppm)	Result
3.3	824.199983	-17	0.02	2.5	2.48	Complied
4.5	824.199986	-14	0.02	2.5	2.48	Complied

##### Top Channel (848.8 MHz)

Supply Voltage (V)	Measured Frequency (MHz)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	Margin (ppm)	Result
3.3	848.799988	-12	0.01	2.5	2.49	Complied
4.5	848.799986	-14	0.02	2.5	2.48	Complied



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### 7.2.7. Transmitter Occupied Bandwidth: Section 2.1049

Ambient Temperature: 22°C

Relative Humidity: 62%

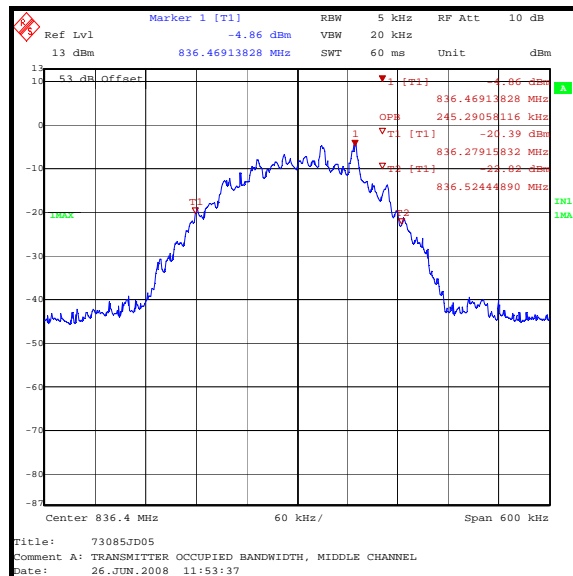
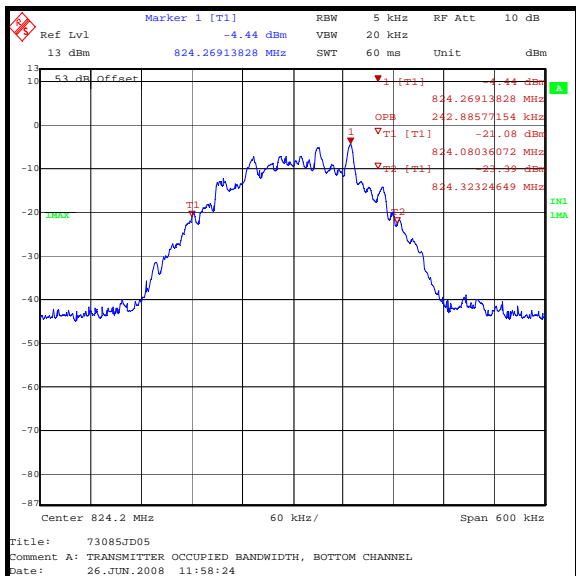
The 99% occupied bandwidth was measured using the channel bandwidth function of the R&S spectrum analyser referencing FCC CFR Part 2.

### Results:

Channel	Frequency (MHz)	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Occupied Bandwidth (kHz)
Bottom	824.2	3.0	10.0	242.886
Middle	836.6	3.0	10.0	245.291
Top	848.8	3.0	10.0	245.291

Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Transmitter Occupied Bandwidth (Continued) : Section 2.1049**



Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**7.2.8. Transmitter Out of Band Radiated Emissions: Section 2.1053/22.917**

Ambient Temperature: 20°C to 22°C

Relative Humidity: 46% to 51%

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

**Results:****Bottom Channel**

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1648.4	-30.2	-13.0	16.2	Complied
2472.6	-29.9	-13.0	16.9	Complied
3296.8	-34.1	-13.0	21.1	Complied

**Middle Channel**

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1672.8	-32.4	-13.0	19.4	Complied
2509.2	-30.7	-13.0	17.7	Complied
3345.6	-35.6	-13.0	22.6	Complied

**Top Channel**

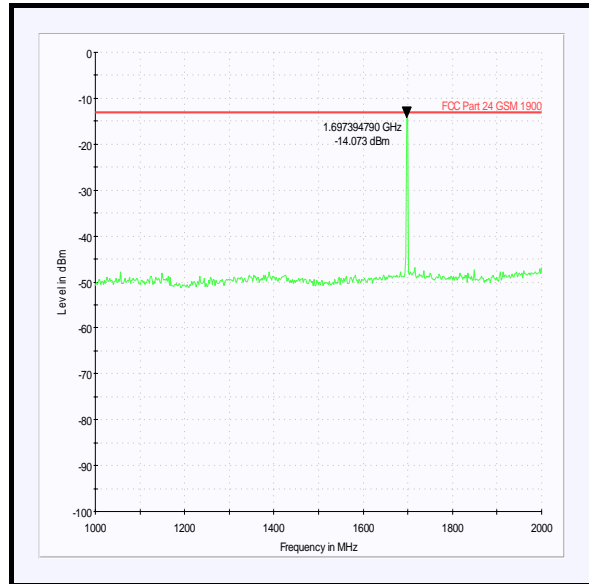
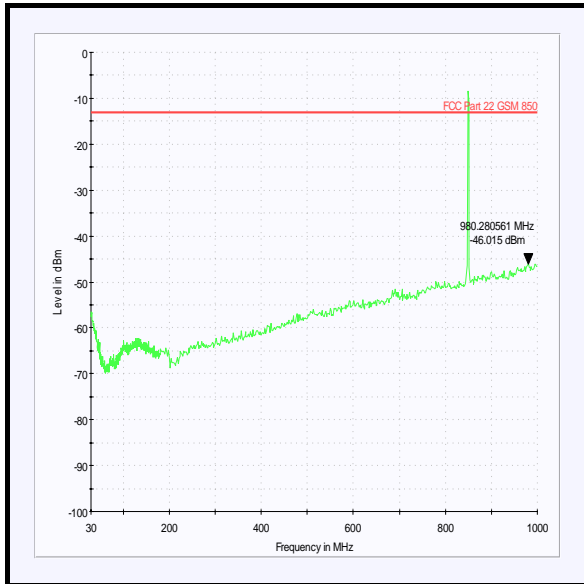
Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1697.6	-32.6	-13.0	19.6	Complied
2546.4	-31.2	-13.0	18.2	Complied
3395.2	-33.2	-13.0	20.2	Complied

**Note(s):**

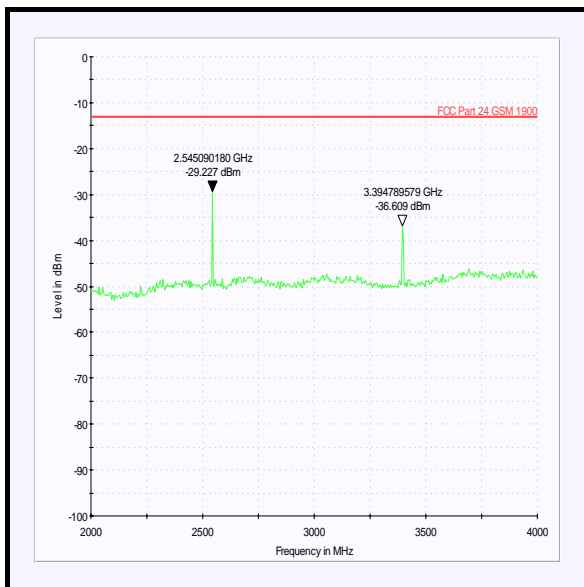
- 1 to 2 GHz and 2 to 4 GHz plots show limit label FCC Part 24, this should read FCC Part 22.
2. No other spurious emissions were detected within 20dB of the limit.

Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

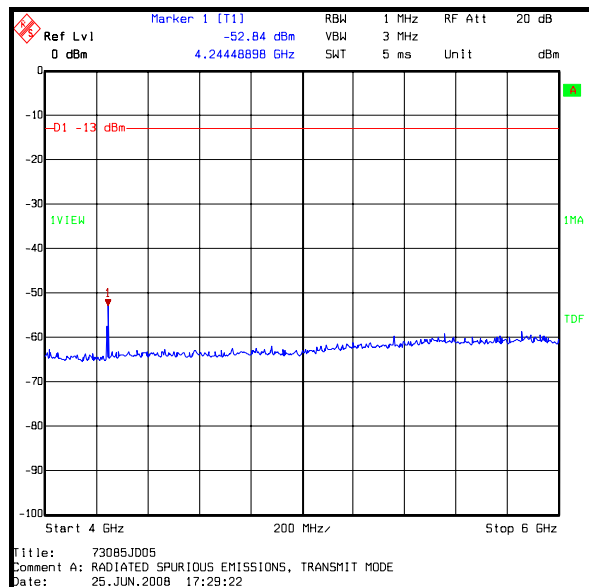
**Transmitter Out of Band Radiated Emissions (Continued) : Section 2.1053/22.917**



See note 2



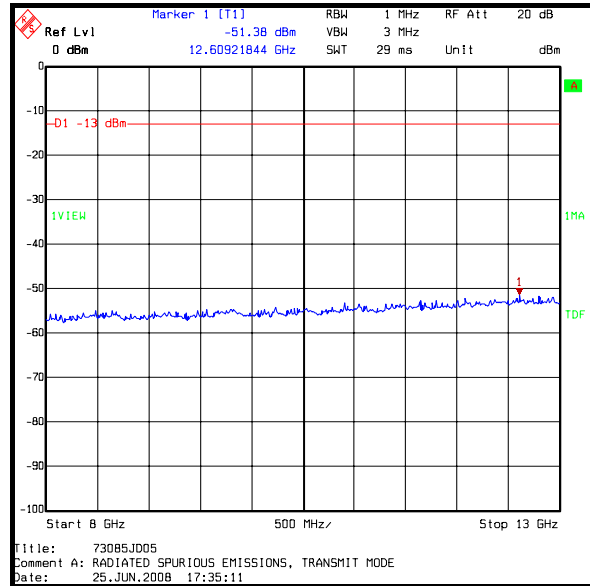
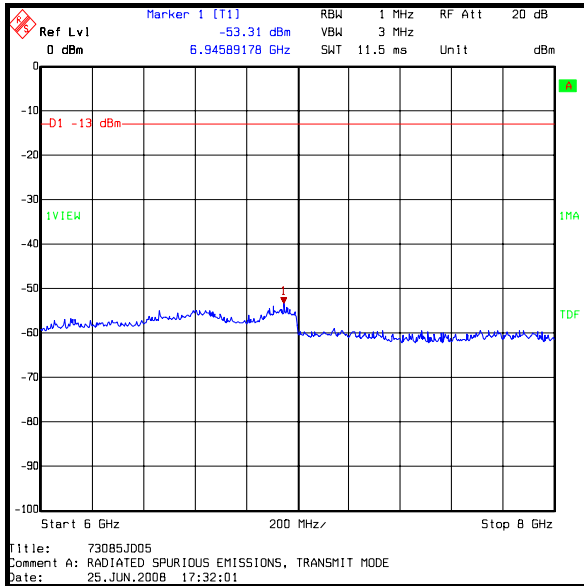
See note 2



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Transmitter Out of Band Radiated Emissions (Continued)**



Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**7.2.9. Transmitter Radiated Emissions at Band Edges**

Ambient Temperature: 22°C Relative Humidity: 42%

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

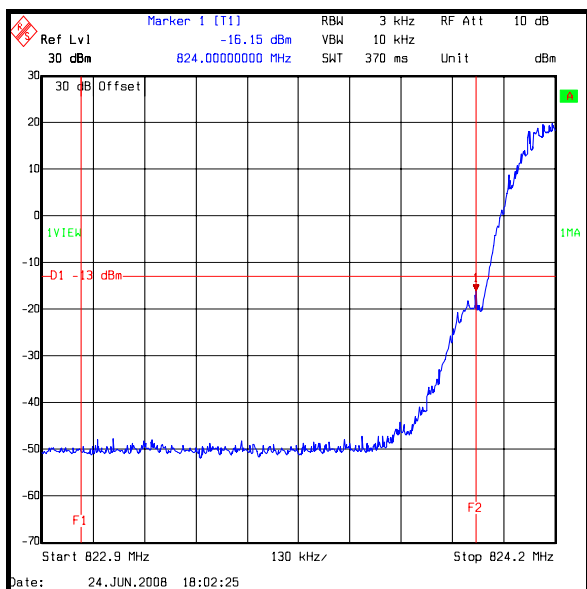
**Results:**

**Bottom Band Edge**

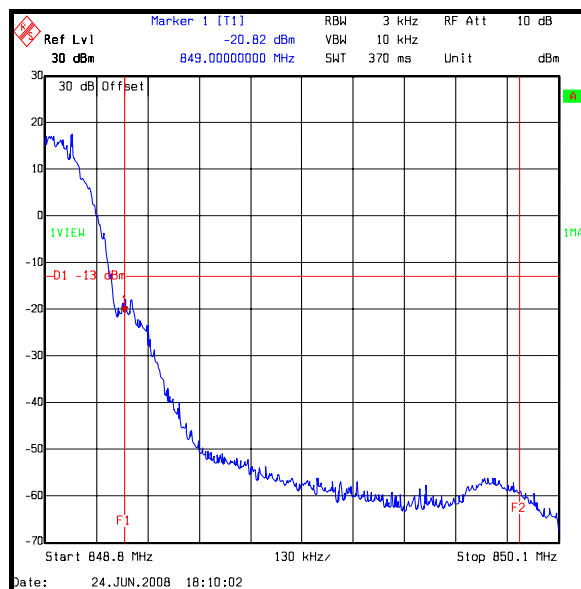
Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
824	-16.2	-13.0	3.2	Complied

**Top Band Edge**

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
849	-20.8	-13.0	7.8	Complied



Lower Band Edge



Upper Band Edge

Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**7.3. Test Results – FCC Part 24 (Subpart E) – Class B: Section 15.107 and RSS-133****7.3.1. Idle Mode AC Conducted Spurious Emissions**

Ambient Temperature: 9°C

Relative Humidity: 47%

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

**Results:****Quasi-Peak Detector Measurements on Live and Neutral Lines**

Frequency (MHz)	Line	Level (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Result
0.206000	Live	19.4	63.4	44.0	Complied
0.362000	Neutral	12.4	58.7	46.3	Complied
1.406000	Live	7.4	56.0	48.6	Complied
2.050000	Live	8.0	56.0	48.0	Complied
2.758000	Live	8.7	56.0	47.3	Complied
2.846000	Live	8.7	56.0	47.3	Complied
3.246000	Live	8.8	56.0	47.2	Complied
3.858000	Live	9.3	56.0	46.7	Complied
4.270000	Live	9.4	56.0	46.6	Complied
4.702000	Live	9.9	56.0	46.1	Complied

**Average Detector Measurements on Live and Neutral Lines**

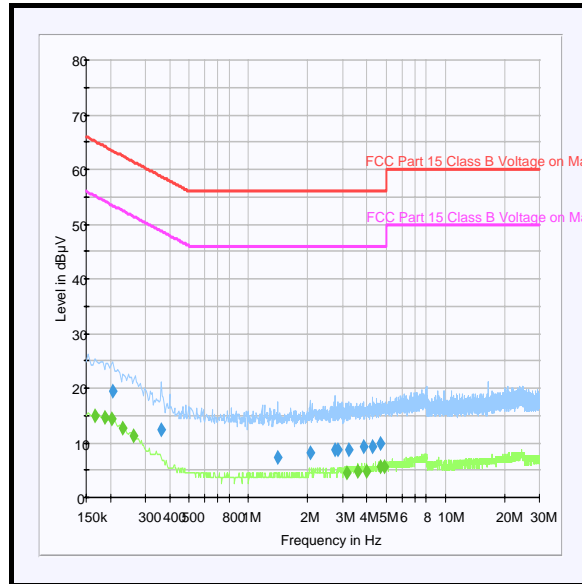
Frequency (MHz)	Line	Level (dB $\mu$ V)	Limit (dB $\mu$ V)	Margin (dB)	Result
0.166000	Neutral	14.9	55.2	40.3	Complied
0.186000	Neutral	14.7	54.2	39.5	Complied
0.202000	Neutral	14.4	53.5	39.1	Complied
0.230000	Neutral	12.6	52.4	39.8	Complied
0.262000	Neutral	11.2	51.4	40.2	Complied
3.142000	Neutral	4.6	46.0	41.4	Complied
3.598000	Live	4.7	46.0	41.3	Complied
3.970000	Live	4.7	46.0	41.3	Complied
4.654000	Live	5.6	46.0	40.4	Complied
4.918000	Live	5.7	46.0	40.3	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Idle Mode AC Conducted Spurious Emissions (Continued)**





Test of: Enfora

Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008**7.3.2.Idle Mode Radiated Spurious Emissions – Class B: Section 15.109**

Ambient Temperature: 19°C to 22°C

Relative Humidity: 46% to 48%

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

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

Frequency (MHz)	Antenna Polarity	Quasi Peak Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
930.214	Vertical	34.2	46.0	11.8	Complied

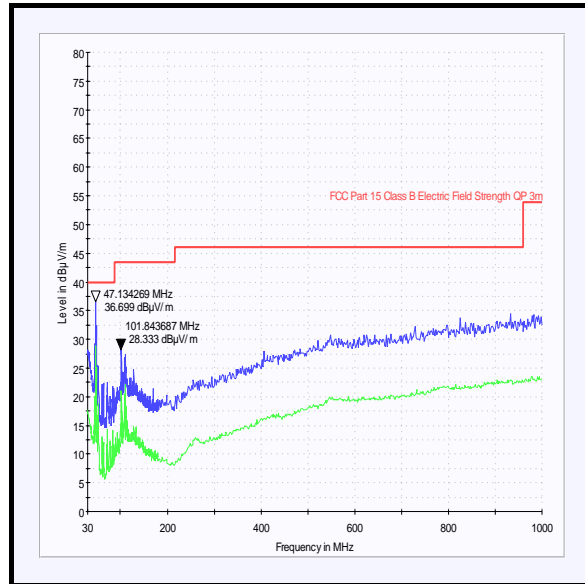
**Note(s):**

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. 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.
2. 47.134MHz and 101.843MHz emissions were found to be ambient.

Test of: Enfora  
Enabler III LPP G LPP0108-40  
To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Idle Mode Radiated Spurious Emissions – Class B: Section 15.109 (Continued)**



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### 7.3.3. Idle Mode Radiated Spurious Emissions – Class B: Section 15.109 (Continued)

#### Results:

#### Electric Field Strength Measurements (Frequency Range: 1 to 13 GHz)

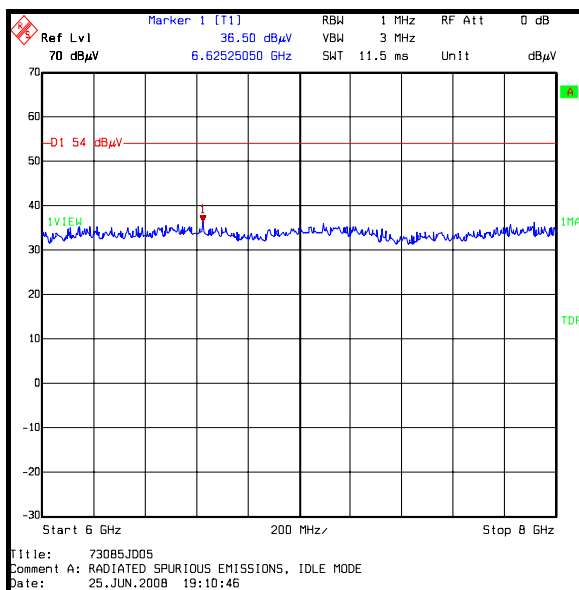
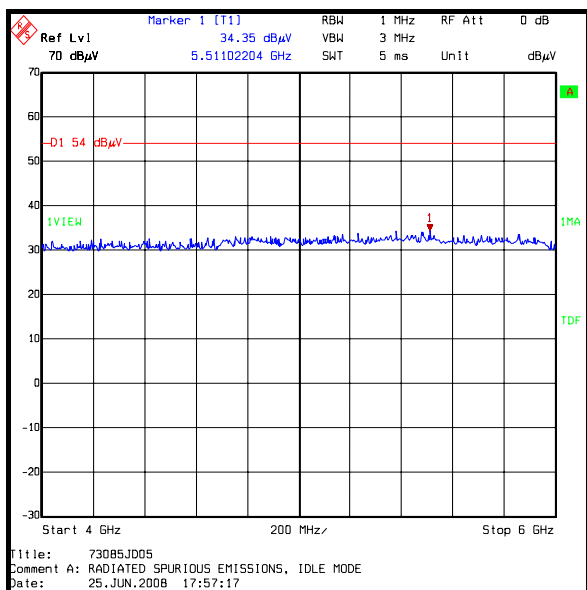
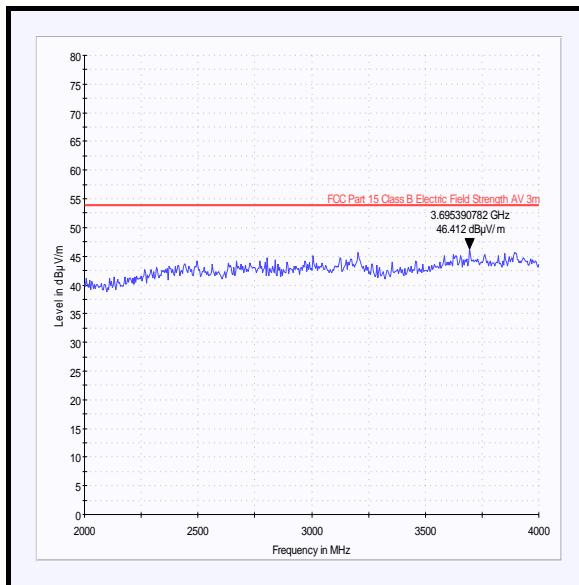
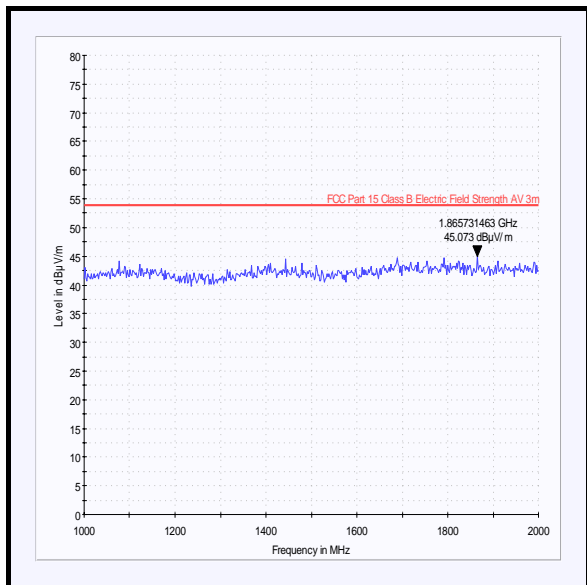
#### Highest Peak Level:

Frequency (GHz)	Antenna Polarity	Detector Level (dB $\mu$ V)	Transducer Factor (dB)	Actual Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Result
3.695391	Vertical	52.7	-6.3	46.4	*54.0	7.4	Complied

\*Note: Average limit.

Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Idle Mode Radiated Spurious Emissions (Continued)**



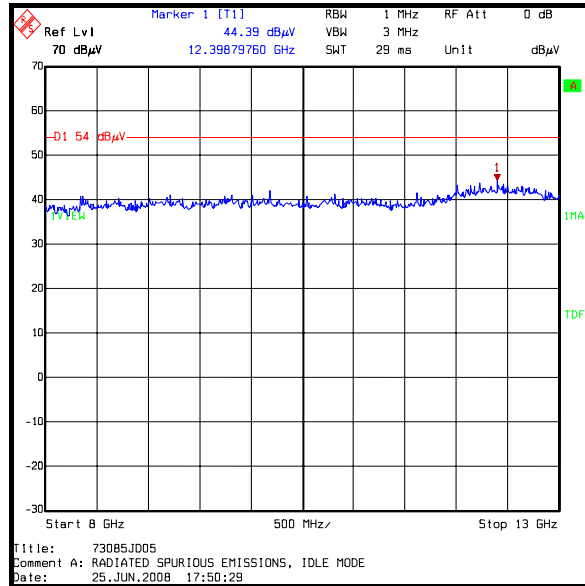
Title: 73085.J005  
 Comment A: RADIATED SPURIOUS EMISSIONS, IDLE MODE  
 Date: 25 JUN 2008 17:57:17

Title: 73085.J005  
 Comment A: RADIATED SPURIOUS EMISSIONS, IDLE MODE  
 Date: 25 JUN 2008 19:10:46

Test of: Enfora  
Enabler III LPP G LPP0108-40  
To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Idle Mode Radiated Spurious Emissions (Continued)**



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

#### **7.3.4. Transmitter Effective Isotropic Radiated Power (EIRP) : Section 24.232**

Ambient Temperature: 20°C

Relative Humidity: 48%

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

#### **Results:**

Channel	Measured Frequency (MHz)	Antenna Polarity	Maximum Transmitter EIRP (dBm)	Limit EIRP (dBm)	Margin (dB)	Result
Bottom	1850.2	Horizontal	28.8	33.0	4.2	Complied
Middle	1879.8	Horizontal	29.6	33.0	3.4	Complied
Top	1909.8	Horizontal	29.0	33.0	4.0	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### **7.3.5. Transmitter Frequency Stability (Temperature Variation) : Section 24.235**

Ambient Temperature: 23°C

Relative Humidity: 64%

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

#### **Results:**

#### **Bottom Channel (1850.2 MHz)**

Temperature (°C)	Frequency Error (Hz)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Margin (MHz)	Result
-30	-8	1850.199992	1850.0	0.199992	Complied
-20	-11	1850.199989	1850.0	0.199989	Complied
-10	-13	1850.199987	1850.0	0.199987	Complied
0	-7	1850.199993	1850.0	0.199993	Complied
10	-11	1850.199989	1850.0	0.199989	Complied
20	-15	1850.199985	1850.0	0.199985	Complied
30	-21	1850.199979	1850.0	0.199979	Complied
40	-27	1850.199973	1850.0	0.199973	Complied
50	-17	1850.199983	1850.0	0.199983	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

**Transmitter Frequency Stability (Temperature Variation) (Continued)**

**Results:**

**Top Channel (1909.8 MHz)**

Temperature (°C)	Frequency Error (Hz)	Measured Frequency (MHz)	Upper Band Edge Limit (MHz)	Margin (MHz)	Result
-30	-11	1909.799989	1910.0	0.200011	Complied
-20	-15	1909.799985	1910.0	0.200015	Complied
-10	-7	1909.799993	1910.0	0.200007	Complied
0	-15	1909.799985	1910.0	0.200015	Complied
10	-18	1909.799982	1910.0	0.200018	Complied
20	-20	1909.799980	1910.0	0.200020	Complied
30	-21	1909.799979	1910.0	0.200021	Complied
40	-34	1909.799966	1910.0	0.200034	Complied
50	-25	1909.799975	1910.0	0.200025	Complied



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### **7.3.6. Transmitter Frequency Stability (Voltage Variation) : Section 24.235**

Ambient Temperature: 23°C

Relative Humidity: 64%

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

#### **Results:**

##### **Bottom Channel (1850.2 MHz)**

Supply Voltage (V)	Frequency Error (Hz)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Margin (MHz)	Result
3.1	-15	1850.199985	1850.0	0.199985	Complied
4.2	-11	1909.799989	1910.0	0.200011	Complied

##### **Top Channel (1909.8 MHz)**

Supply Voltage (V)	Frequency Error (Hz)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Margin (MHz)	Result
3.1	-9	1909.799991	1910	0.200009	Complied
4.2	-5	1909.799995	1910	0.200005	Complied

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

### 7.3.7. Transmitter Occupied Bandwidth

Ambient Temperature: 20°C

Relative Humidity: 52%

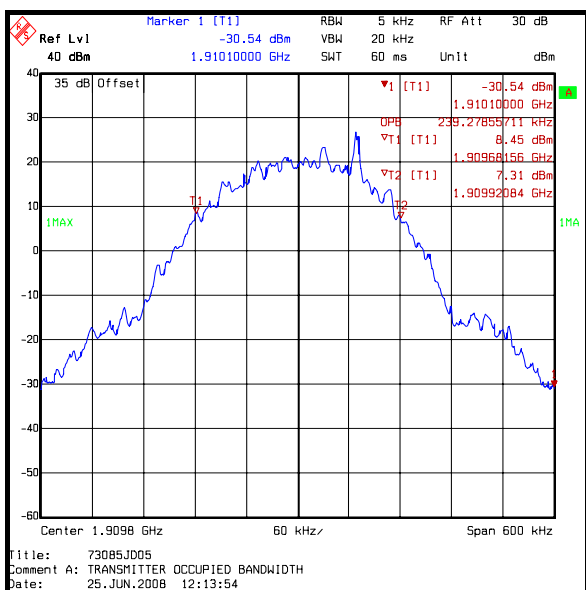
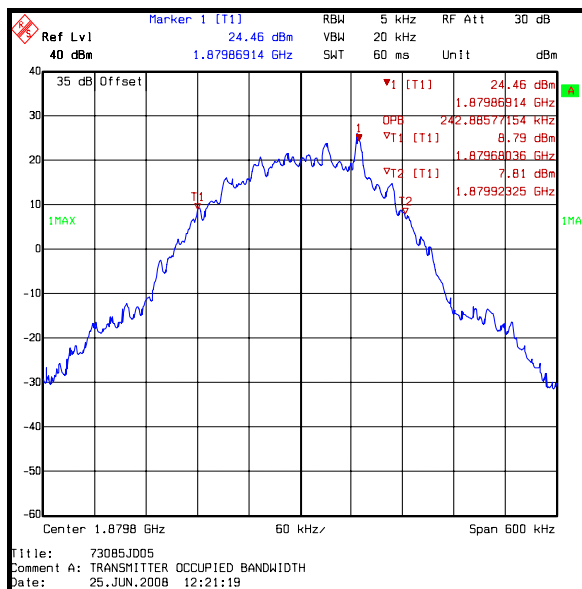
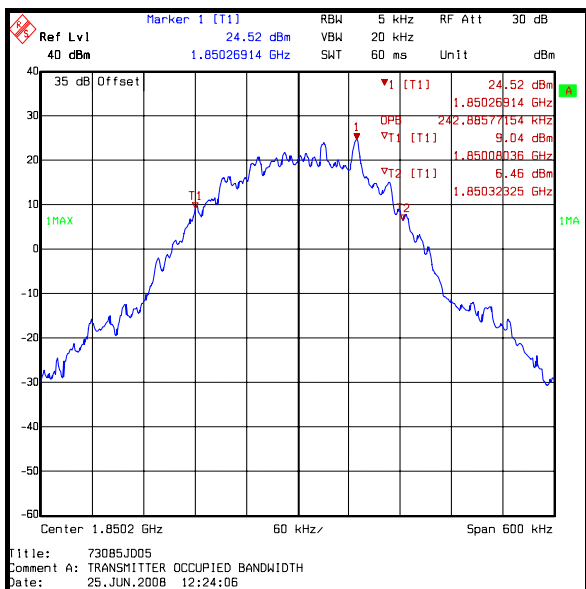
The 99% occupied bandwidth was measured using the channel bandwidth function of the R&S spectrum analyser referencing FCC CFR Part 2.

### Results:

Channel	Frequency (MHz)	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Occupied Bandwidth (kHz)
Bottom	1850.2	5.0	20.0	242.886
Middle	1879.8	5.0	20.0	242.886
Top	1909.8	5.0	20.0	239.279

Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Transmitter Occupied Bandwidth (Continued)**



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

### 7.3.8. Transmitter Out of Band Radiated Emissions : Section 2.1053/24.238

Ambient Temperature: 20°C to 21°C

Relative Humidity: 48% to 51%

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

#### Results:

##### Bottom Channel

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
3700.4	-32.0	-13.0	19.0	Complied

##### Middle Channel

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
3759.8	-29.8	-13.0	16.8	Complied

##### Top Channel

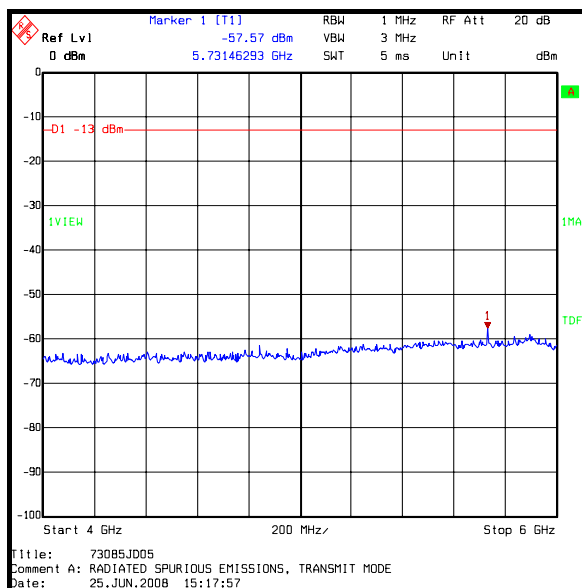
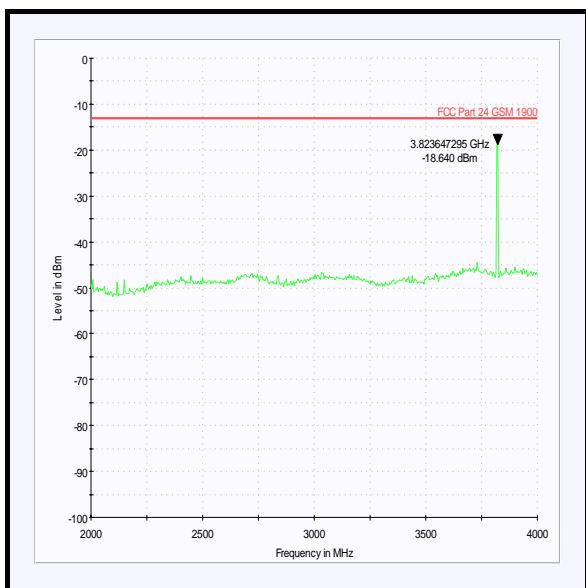
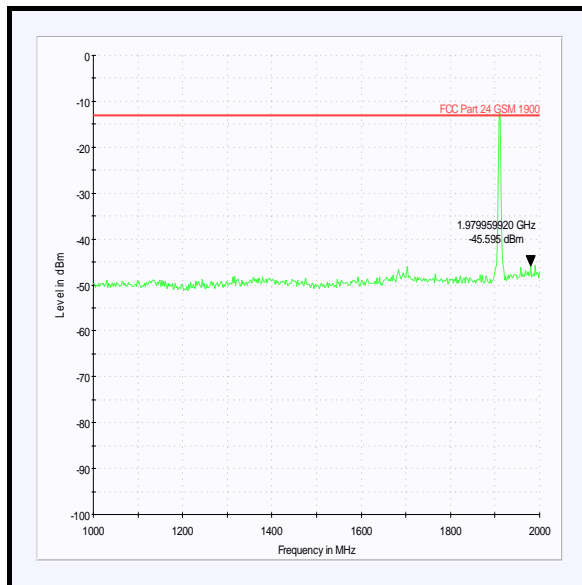
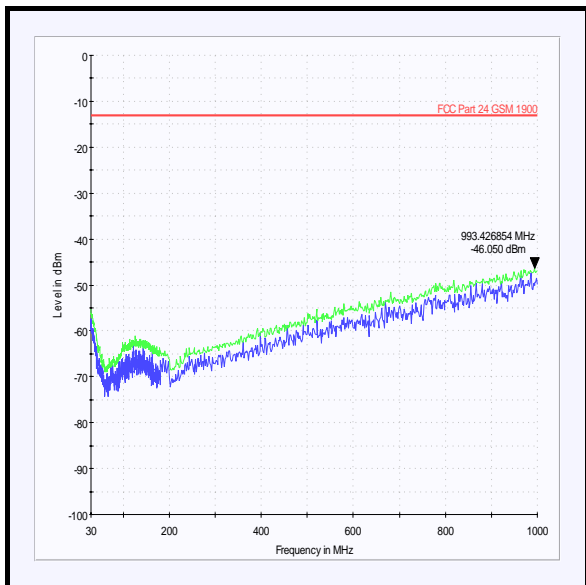
Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
3823.6	-29.6	-13.0	16.6	Complied

#### Note(s):

1. No other spurious emissions were detected within 20dB of the limit.

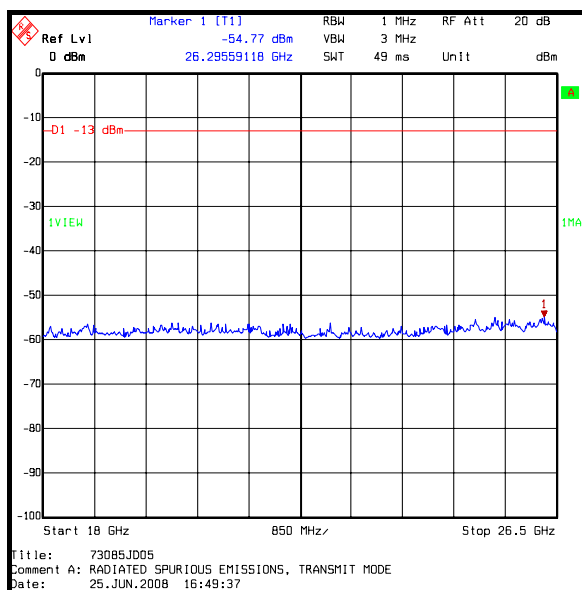
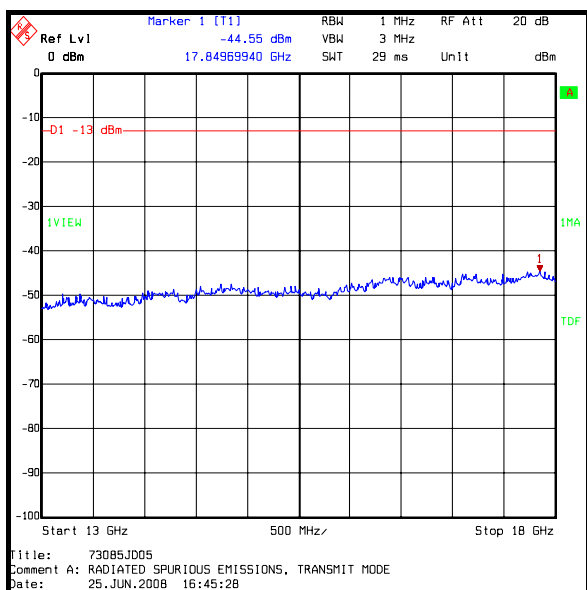
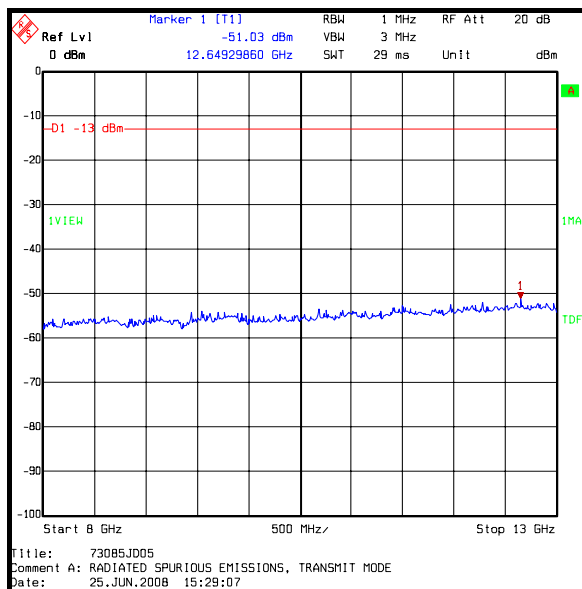
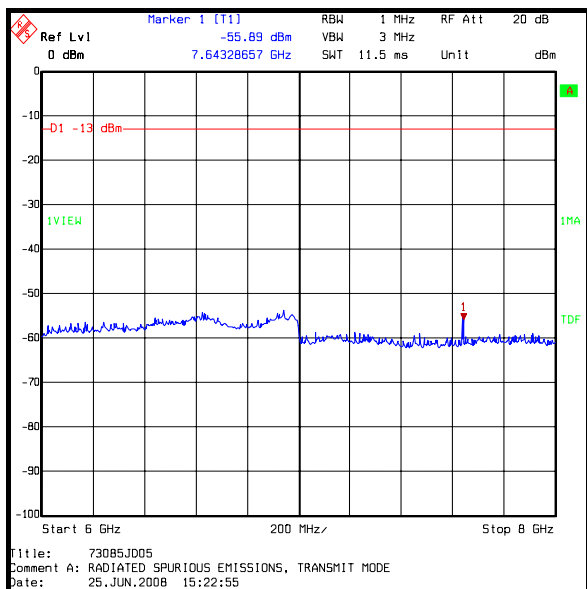
Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Transmitter Out of Band Radiated Emissions : Section 2.1053/24.238 (Continued)**



Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**Transmitter Out of Band Radiated Emissions : Section 2.1053/24.238 (Continued)**



Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

**7.3.9. Transmitter Radiated Emissions at Band Edges : Section 2.1053/24.238**

Ambient Temperature: °C

Relative Humidity: %

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

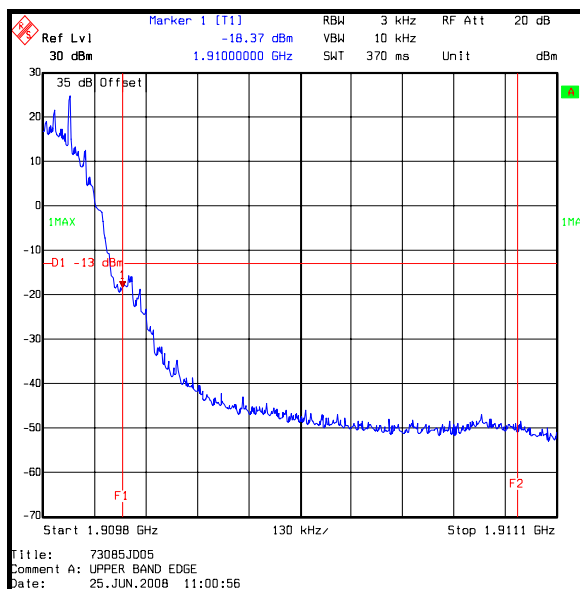
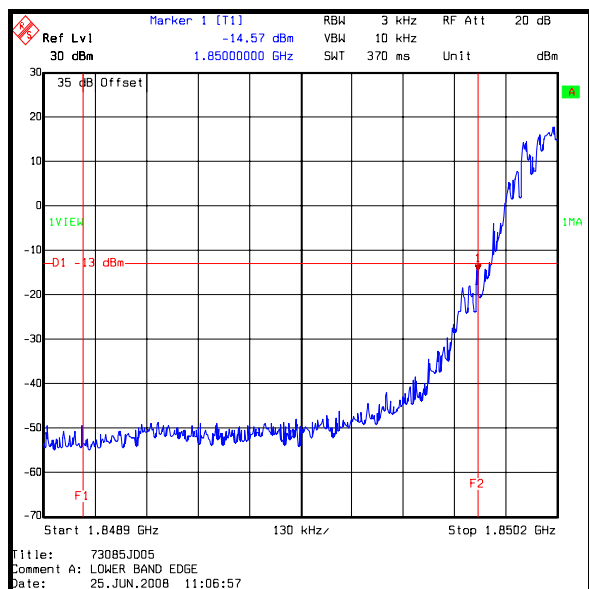
**Results:**

**Bottom Band Edge**

Frequency (MHz)	Spurious Emission (dBm)	Limit (dBm)	Margin (dB)	Result
1850	-14.6	-13.0	1.6	Complied

**Top Band Edge**

Frequency (MHz)	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1910	-18.4	-13.0	5.4	Complied



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

## **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
Effective Radiated Power (ERP)	Not applicable	95%	±2.94 dB
Effective Isotropic Radiated Power (EIRP)	Not applicable	95%	±2.54 dB
Frequency Stability	Not applicable	95%	±11.4 ppm
Minimum Bandwidth	Not applicable	95%	±11.4 ppm
Occupied Bandwidth	824 to 849 MHz	95%	±11.4 ppm
Radiated Spurious Emissions	30 MHz to 1000 MHz	95%	±4.64 dB
Radiated Spurious Emissions	1 GHz to 26 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.



Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

### 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
A059	Antenna	EMCO	3146	8902-2378	07 Feb 2008	12
A1037	Antenna	Chase EMC Ltd	CBL6112B	2413	29 May 2008	12
A1069	Single Phase LISN	Rohde & Schwarz	ESH3-Z5	837469/012	07 Mar 2008	12
A1368	Directional Coupler	Pasternack Enterprises.	PE2214-10	None	Calibrated before use	-
A1534	Pre Amplifier	Hewlett Packard	8449B OPT H02	3008A00405	Calibrated before use	-
A1830	Pulse Limiter	Rhode & Schwarz	ESH3-Z2	100668	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
A490	Antenna	Chase	CBL6111A	1590	07 Feb 2008	12
C1268	Cable	Rosenberger	FA210A0075008 080	49356-1	20 Apr 2008	12
C348	Cable	Rosenberger	UFA210A-1-1181-70x70	2993	20 Apr 2008	12
C363	Cable	Rosenberger	RG142	None	20 Apr 2008	12
E013	Environmental Chamber	Sanyo	ATMOS chamber	None	Calibration not required	-
M1068	Thermometer	Iso-Tech	RS55	93102884	09 Jul 2008	12
M1093	Communications Test Set	Will tek	4202S	0513018	Calibration not required	-
M1124	Spectrum Analyser	Rohde & Schwarz	ESIB26	100046K	19 Feb 2008	12
M1140	Radio Communications Analyser	Anritsu	MT8820A	6K0000647	Calibration not required	-

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

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
M1263	Test Receiver	Rohde & Schwarz	ESIB7	100265	06 Feb 2008	12
M1269	Multimeter	Fluke	179	90250210	09 Apr 2008	12
M1379	Test Receiver	Rohde and Schwarz	ESIB7	100330	02 Aug 2007	12
S0539	Power Supply Unit	Kikusui	PCR 1000L	13010170	Calibration not required	-
S202	Site 2	RFI	2	S202-15011990	28 Jan 2008	12
S207	Site 7	RFI	7	None	Calibration not required	12
S212	Emissions Screened Room	RFI	12	None	Verified before use	12

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

Test of: Enfora  
Enabler III LPP G LPP0108-40

To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

---

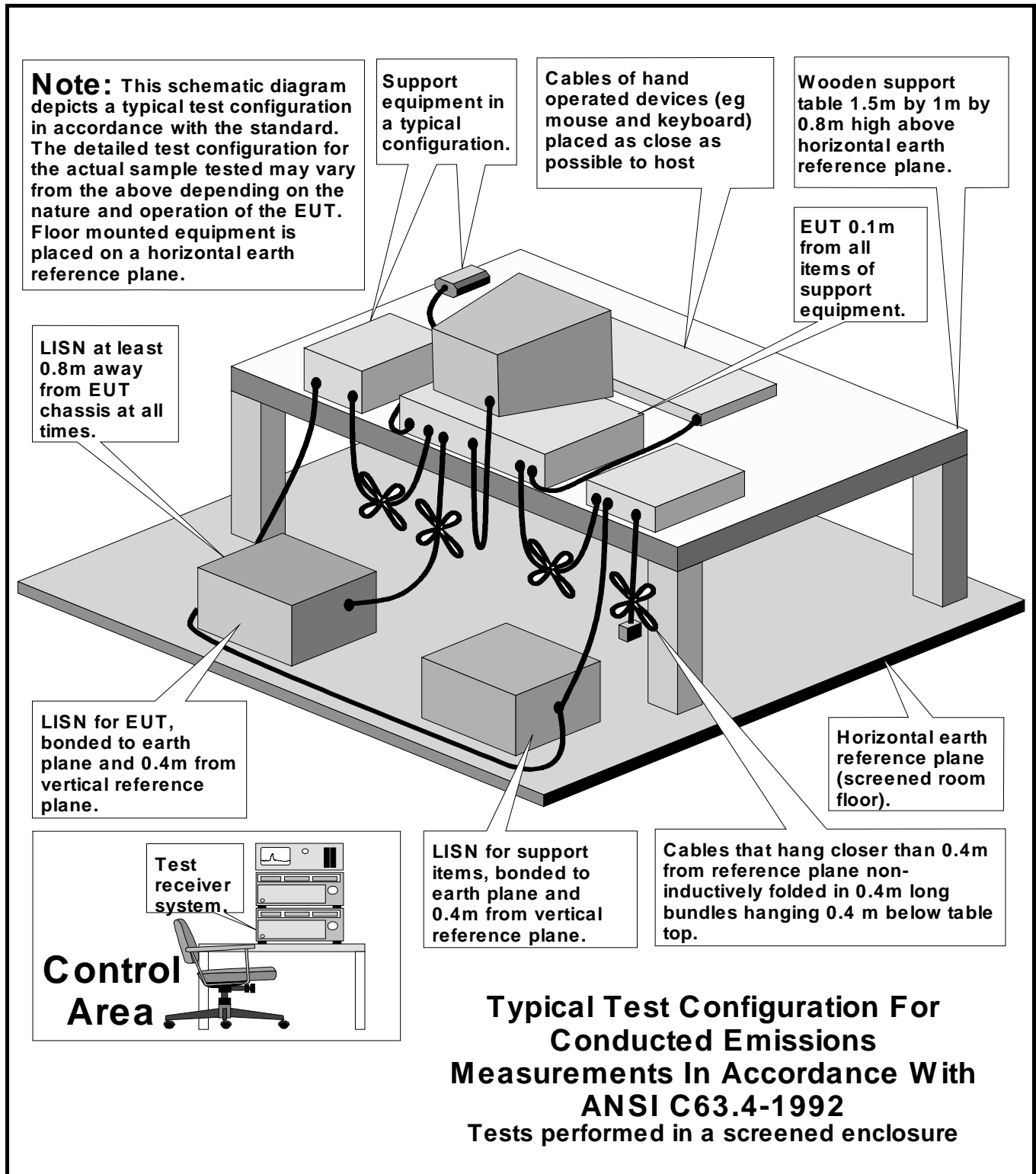
## **Appendix 2. Test Configuration Drawings**

This appendix contains the following drawings:

<b>Drawing Reference Number</b>	<b>Title</b>
DRG\73085JD05\EMICON	Test configuration for measurement of conducted emissions.
DRG\73085JD05\EMIRAD	Test configuration for measurement of radiated emissions.

Test of: Enfora  
Enabler III LPP G LPP0108-40  
To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

DRG\73085JD05\EMICON



Test of: Enfora  
 Enabler III LPP G LPP0108-40  
 To: FCC Part 22: 2007 (Subpart H), FCC Part 24: 2007 (Subpart E),  
 RSS 132 Issue 2 September 2005 and RSS-133 Issue 4 February 2008

DRG\73085JD05\EMIRAD

