



October 2, 2008

FCC Modular Antenna Gain Statement

Subject: FCC approval Enabler LPP module

Part Number: **LPP0108-40**

FCC ID: **MIVLPP0108**

RFI job reference: **73085**

RFI test report reference: **RFI/RPT3/73085JD05A**

The LPP0108 module as detailed in the RFI test report indicated above has been tested for compliance with the FCC requirements by way of using a custom antenna design built into the developer board used to interface with the module. The antenna gains of this antenna are as follows:

GSM 850 = -0.86 dBi

PCS1900 = 2.95 dBi

Further details of this antenna and verification of the reference gain values can be found following this statement.

Sincerely

Rob Holden

A handwritten signature in black ink, appearing to read "Rob Holden", with a long horizontal line extending to the right.

Director, Compliance Engineering

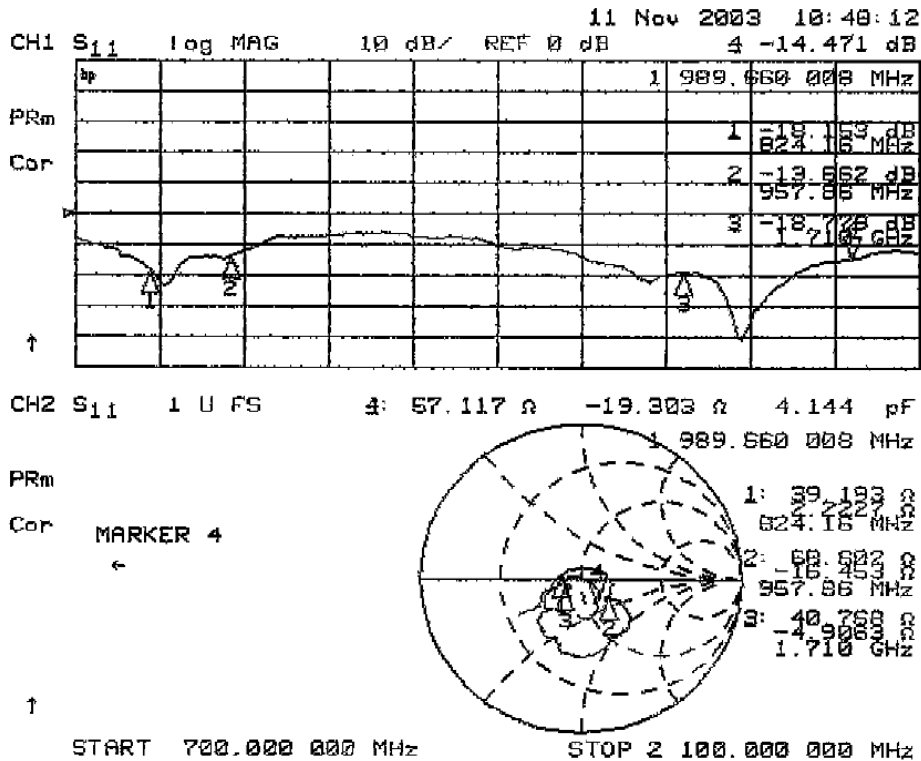
Enfora, Inc.

972-633-4400

Specification Enfora SDK Quad Band Antenna

The PCB trace antenna on Enfora Inc SDK are designed to operate from 824 MHz to 960 MHz and from 1710 MHz to 1990 MHz. It is a compact, cross hybrid between a PIFA and monopole with peak of 0.5 dBi for the low band and 3 dBi for the high band. The theoretical omnidirectional peak gain for both bands is 2.16 dBi. Due to supporting dimensions of the SDK, the antenna gain is slightly directional. The intended return loss for each band is -15 dB minimum. It is linear polarized and the impedance plots is as shown.

page 3



Measured Peak Gain for each band (inside Enfora EMC lab)

GSM 850 = -0.86 dBi
 EGSM 900 = -0.83 dBi
 DCS1800 = 2.12 dBi
 PCS1900 = 2.95 dBi

