

In-Building Omni Antenna (Code: PW-O-800/2700)



FEATURES :

- Full 800 to 2700 MHz Operation
- Input Power 100 Watts Max
- Low Cost – Small & Light Weight
- Modular Design Easy to Install
- N female Connectors

Specifically designed for in-building passive distribution of the all cellular communications signal, covering the full 800 to 2700 Mhz bandwidth this antenna is also capable of operation in the WLAN band. The antenna is constructed from lightweight materials suitable for either wall or ceiling mounting.

Specifications

Model Number	PW-O-800/2700
Frequency Range	800-960Mhz & 1710-2700 MHz
VSWR	<1.5 :1 (typical 1.30)
Impedance	50 Ohm
Polarization	Vertical
Max Input Power	100 Watts
Horizontal 3dB BW	360 Degrees
Vertical 3dB BW	65 Degrees
Gain	> 3 dBi for 800-960 Mhz > 4 dBi for 1710-2700 Mhz
Connection Type	N female with 50cm Pigtail
Weight / Color	Max 500 Grams / White
Dimensions	165mm (diameter) x 100mm (Height)
Mounting Method	Circular Screw and Clip-On Mounting Clamp

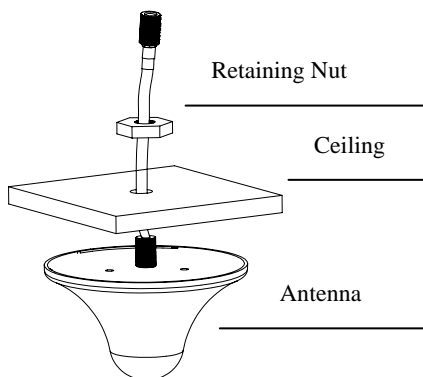


Figure 1

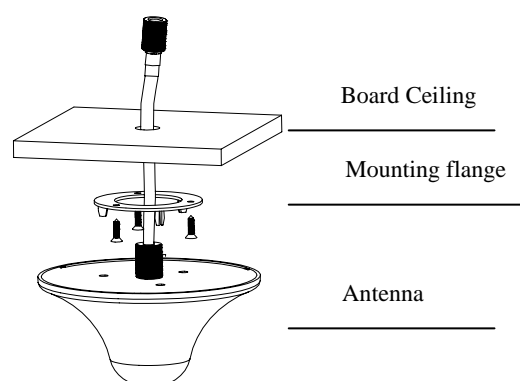
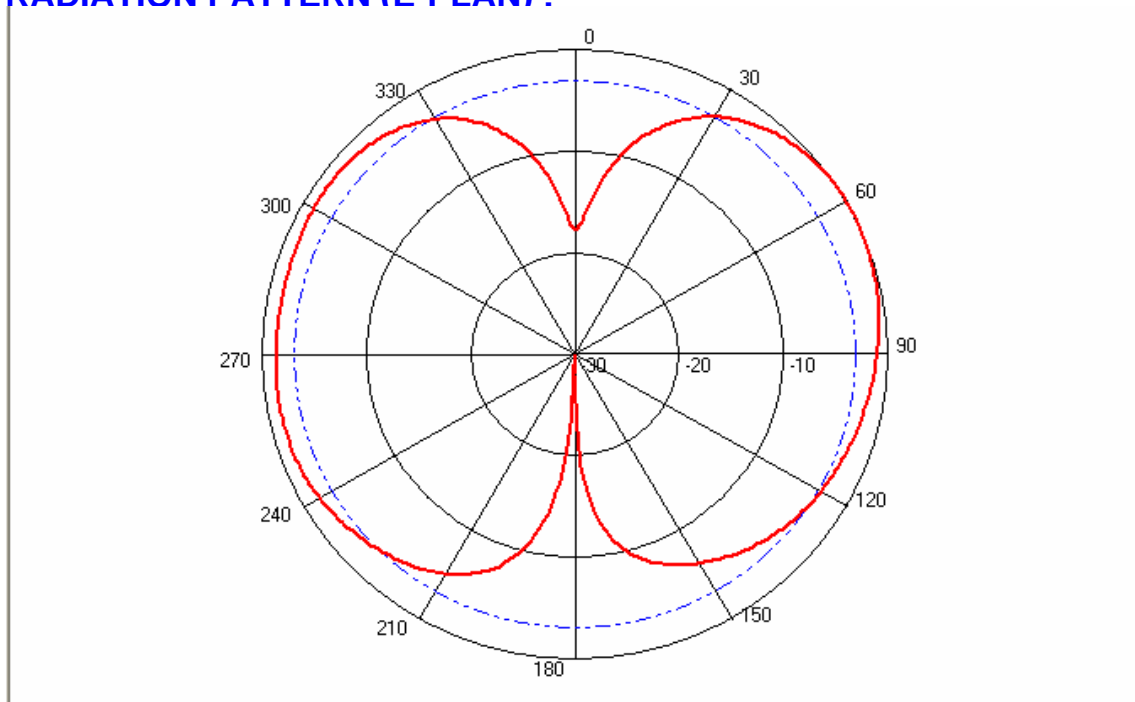
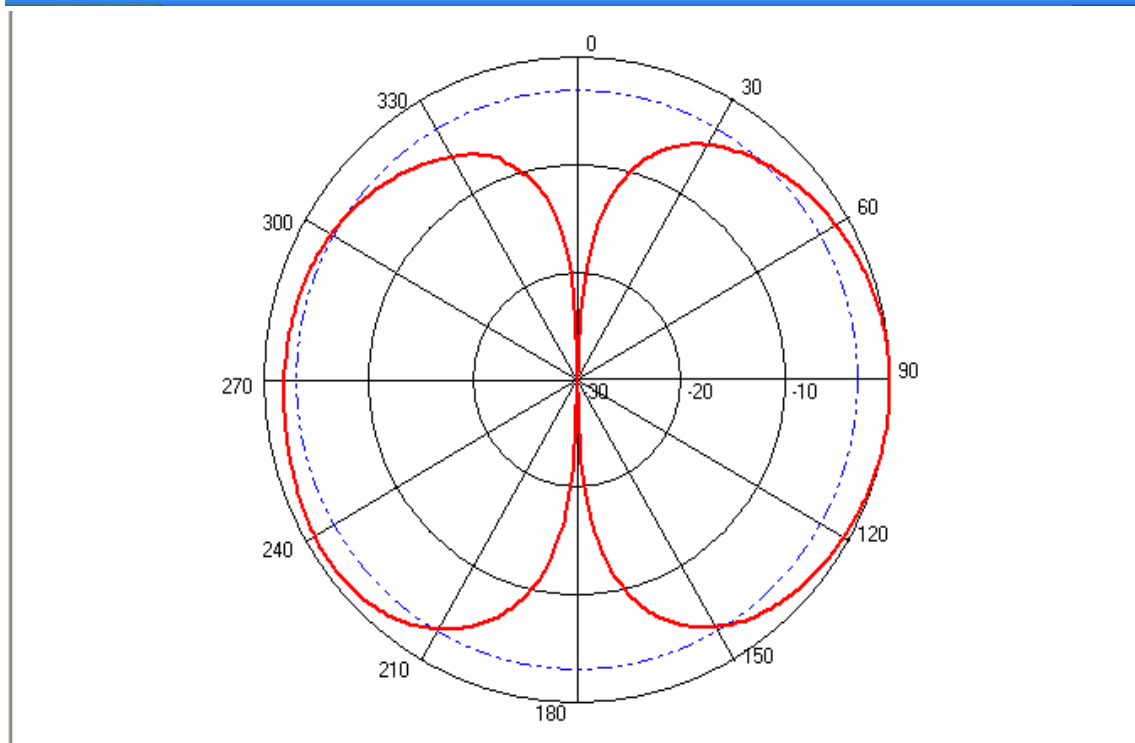


Figure 2

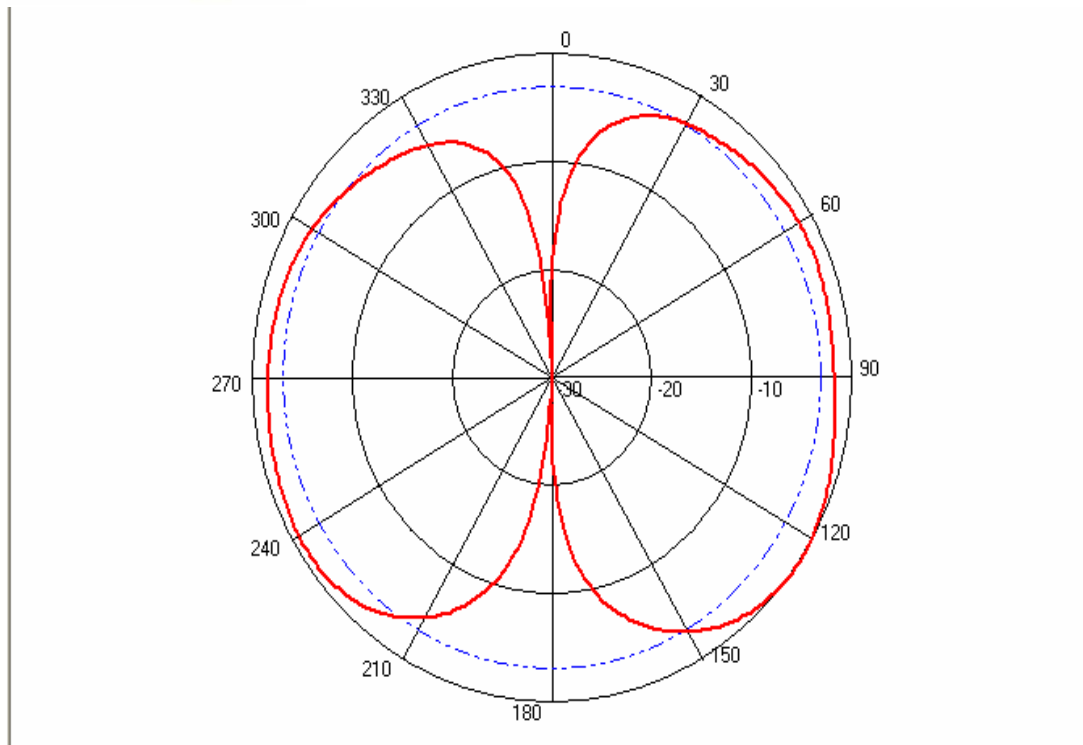
RADIATION PATTERN (E-PLAN) :



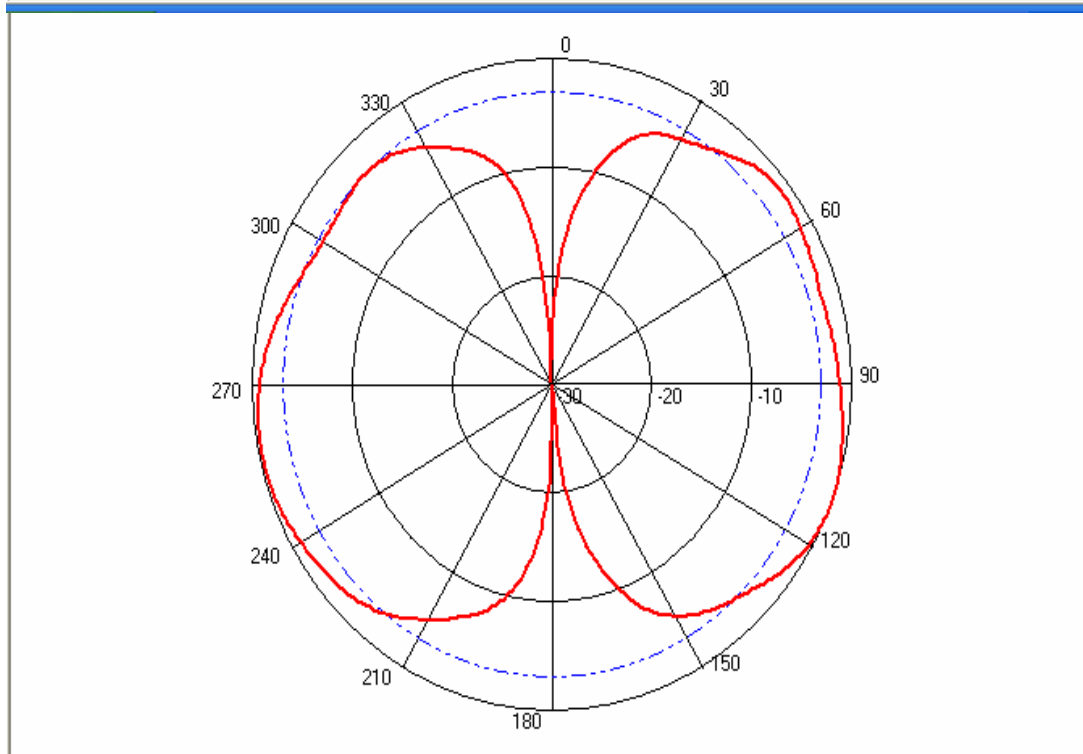
Ant Name : E:\ : Directional
 Directivity : 2.05 dBi Date : 2007-3-13 Plane : 30/40
 Beam width : 90.9 normal Frequency : 830.000 -->



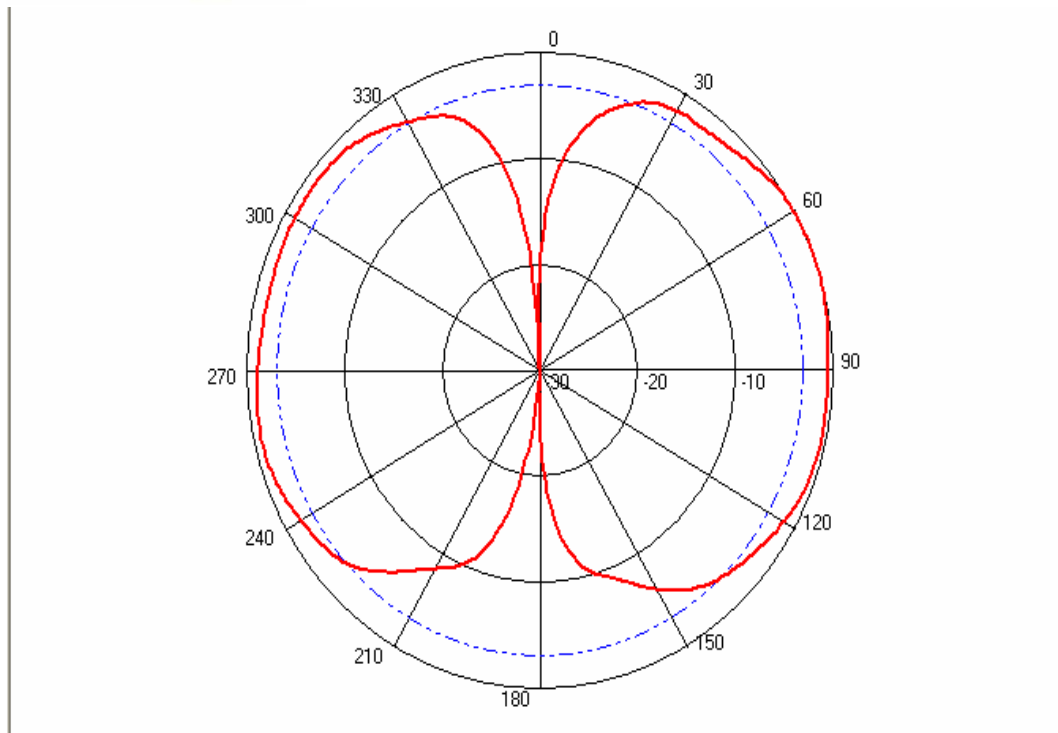
Ant Name : E:\ : Directional
 Directivity : 2.04 dBi Date : 2007-3-13 Plane : 30/40
 Beam width : 104.4 normal Frequency : 806.000 -->



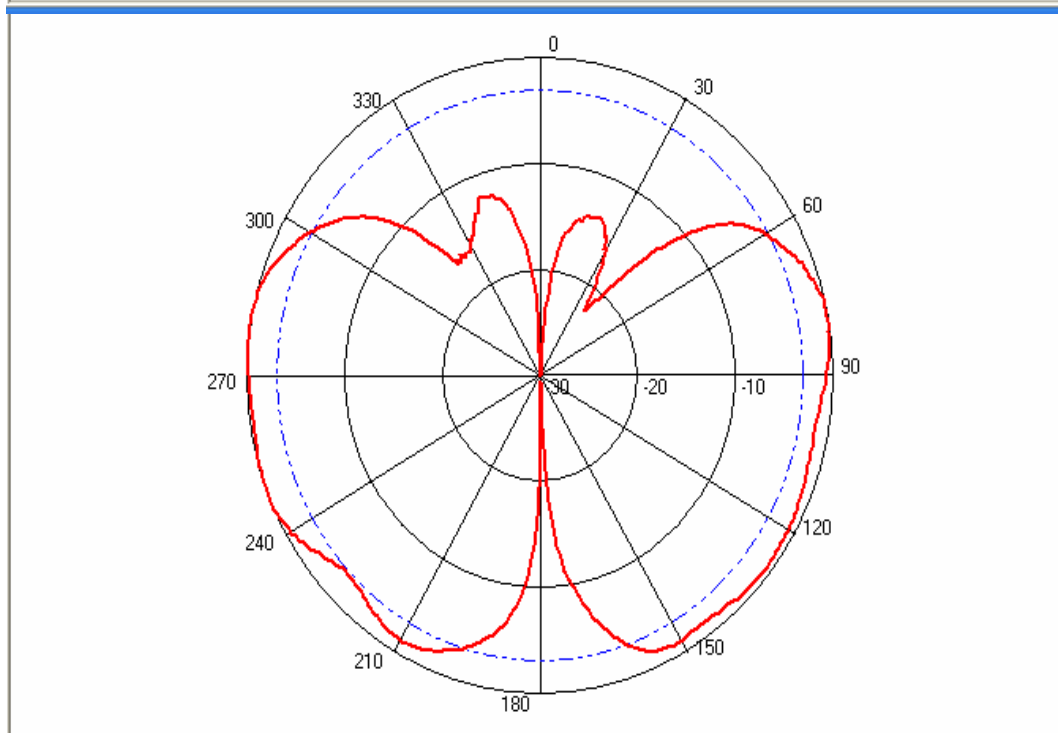
Ant Name : E:\ Directional
 Directivity : 2.05dbi Date: 2007-3-13 Plane : 30/40
 Beam width : 116.7 normal Frequency : 960.000 -->



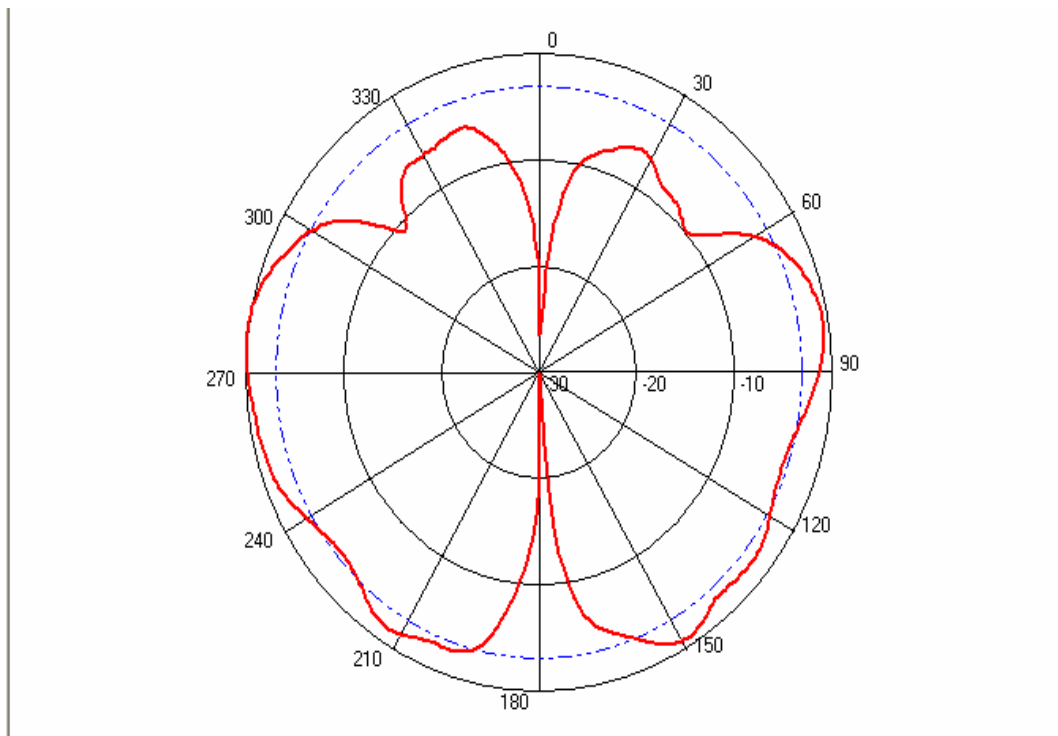
Ant Name : E:\ Directional
 Directivity : 2.07 dbi Date: 2007-3-13 Plane : 30/40
 Beam width : 99.0 normal Frequency : 1710.000 -->



Ant Name : E-
 Directivity : 2.03 dBi Date: 2007-3-13 Plane : Directional
 Beam width : 106.4 normal Frequency : 1920.000 30/40
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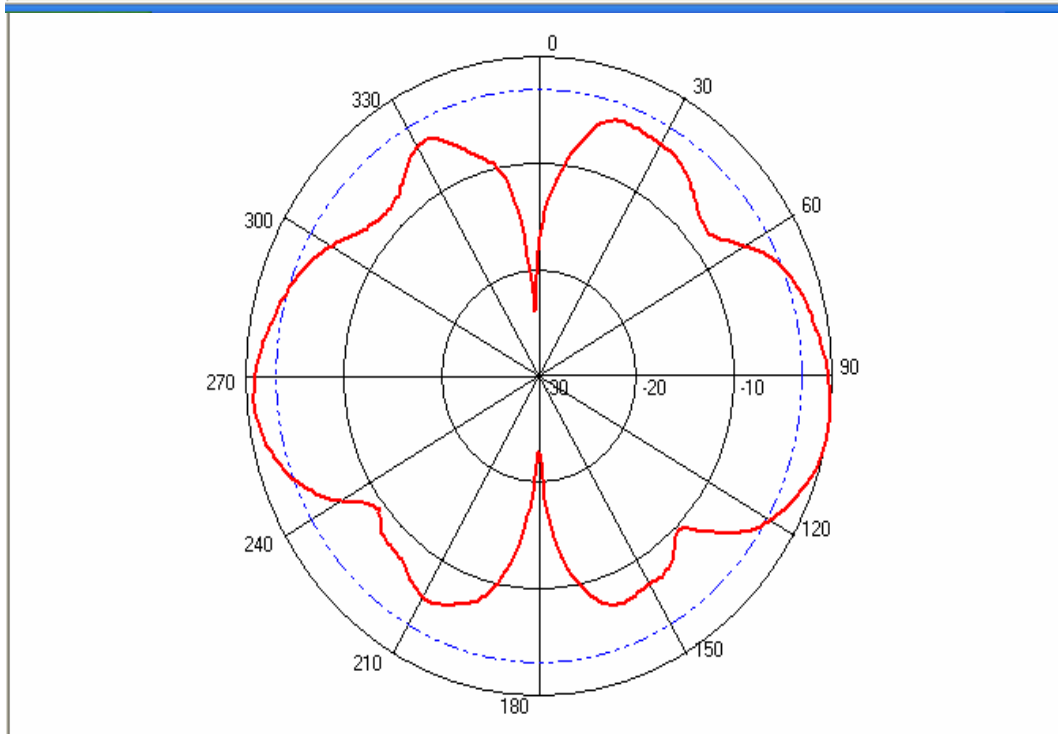
Ant Name : E-
 Directivity : 2.06 dBi Date: 2007-3-13 Plane : Directional
 Beam width : 102.6 normal Frequency : 2200.000 30/40
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Ant Name : E:\

Directivity : 2.64 dbi Date: 2007-3-13 Plane :

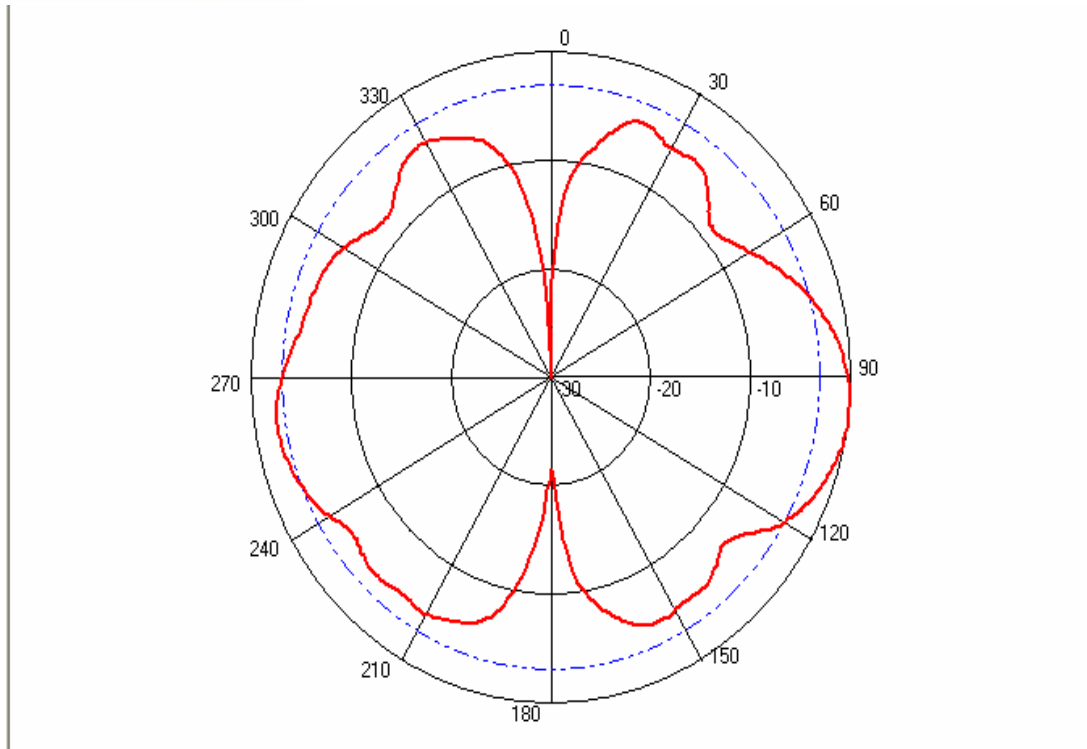
Beam width : 60.3 Frequency : 2400.000



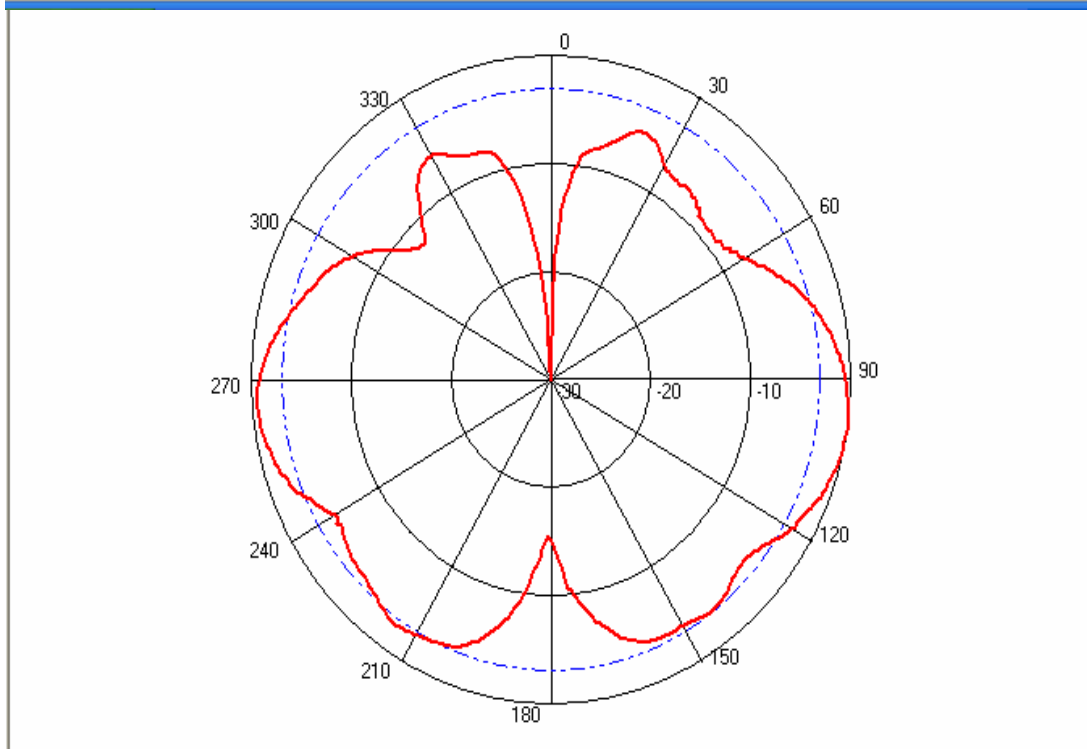
Ant Name : E:\

Directivity : 3.66 dbi Date: 2007-3-13 Plane :

Beam width : 52.2 Frequency : 2500.000

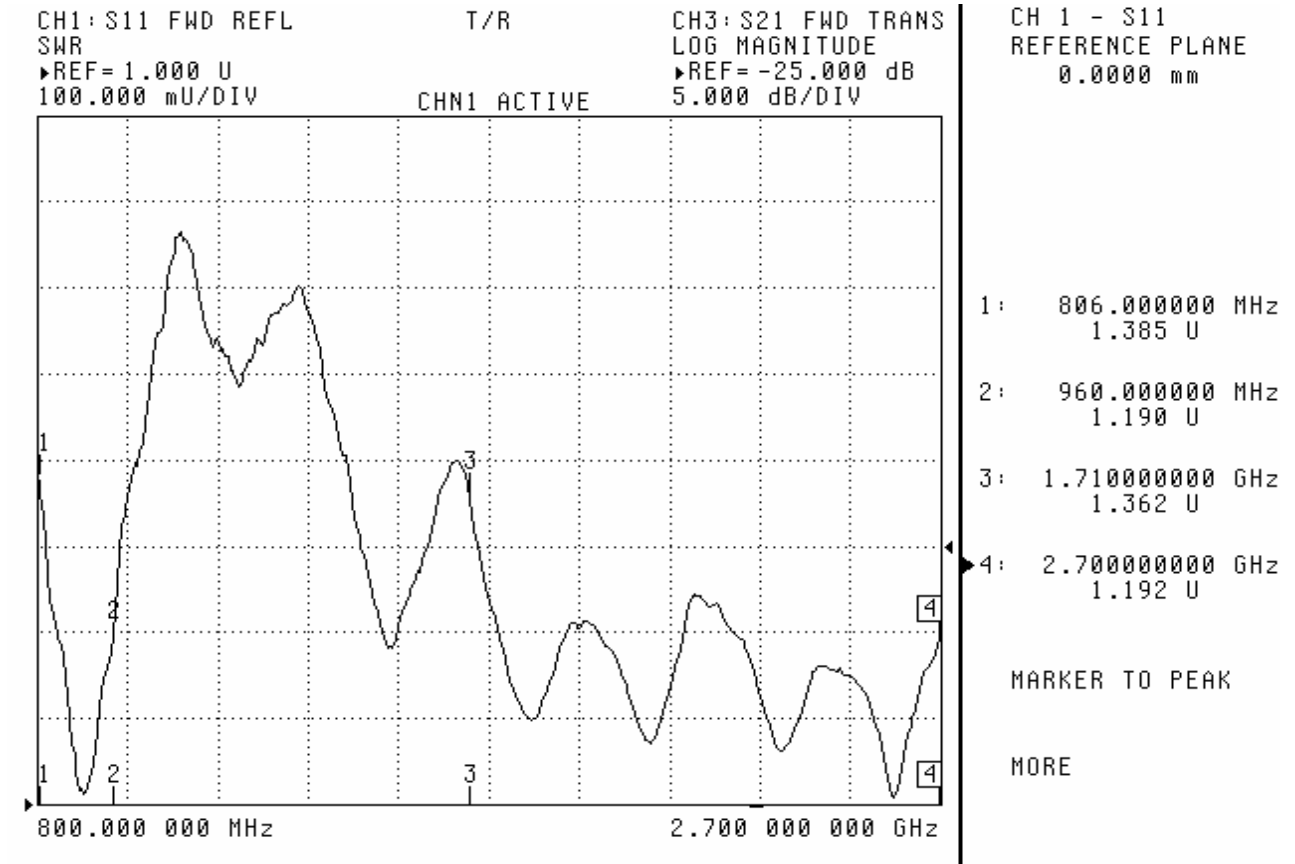


Ant Name : E:\ Directional
 Directivity : 3.96 dbi Date: 2007-3-13 Plane : 30/40
 Beam width : 45.0 normal Frequency : 2600.000



Ant Name : E:\ Directional
 Directivity : 3.42 dbi Date: 2007-3-13 Plane : 30/40
 Beam width : 47.7 normal Frequency : 2700.000

VSWR PLOT :



GAIN CURVE :

