



久 菘 科 技 股 份 有 限 公 司  
**EVERTIME COMMUNICATIONS CO., LTD.**

NO. 23-2, HUNGMAU, HSIN-FENG VILLAGE, SHING-FENG SHIANG, HSIN-CHU, TAIWAN, R.O.C.

TEL:+886-3-5687918

FAX:+886-3-5686953

E-mail:service@ep.com.tw

<http://www.ep.com.tw>

承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

Product Description: **802.11a Omni Directional Antenna**

Part Number: **1GP-5009**

Date: **2008-09-15**

-----

Customer Evaluation:

**PASS**

**NG**

Approved Date:

-----

Evertime Communication Approved By : \_\_\_\_\_ Date:

Evertime Communication Prepared By : \_\_\_\_\_ Date:

-----

# Omni Directional Antenna

for 4.9~5.1GHz

Version 1

1GP-5009

## Electrical Specification:

Frequency	4.9~5.1GHz
Part Number	1GP-5009
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	9 dBi
Power handling	10W Max
Front to back ratio	N/A
HPBW / horizontal	360°
HPBW / vertical	6°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	$\varphi 35 \times 420\text{mm}$
Weight	430g
Radome color	white
Radome material	glass fiber

# Omni Directional Antenna

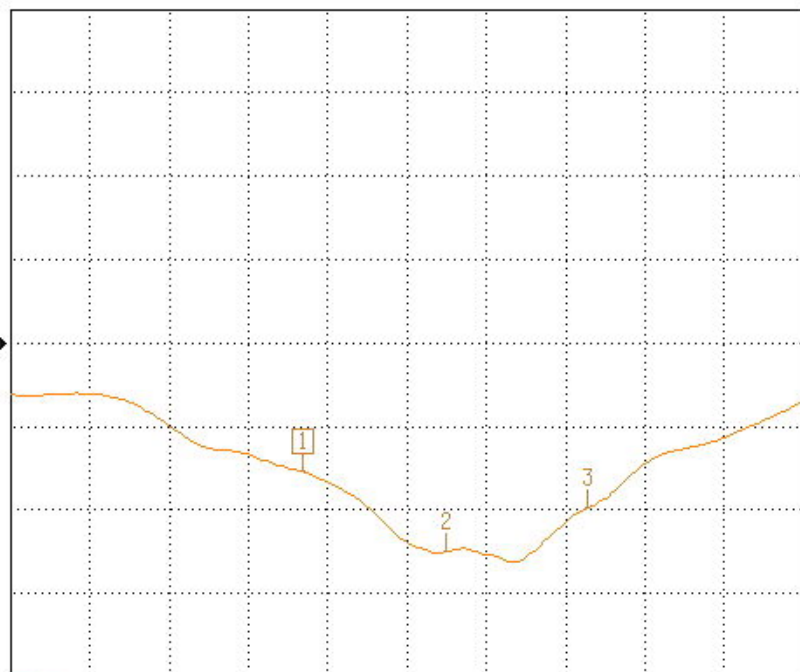
for 4.9~5.1GHz

Version 1

## 1GP-5009

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



4.650000000      GHz      5.350000000

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
4.900000000 GHz  
-15.492 dB

MARKER TO MAX  
MARKER TO MIN

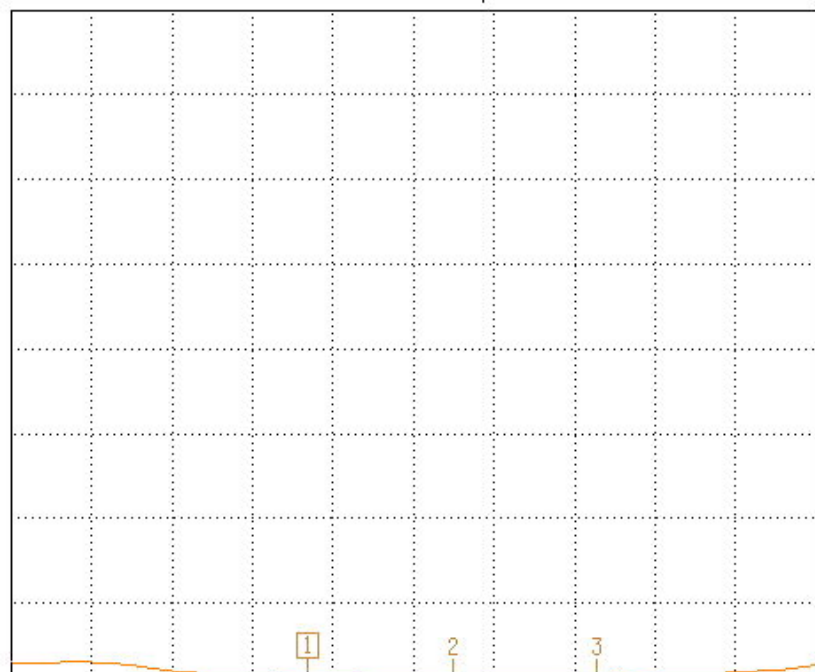
2 5.000000000 GHz  
-25.097 dB

3 5.100000000 GHz  
-19.790 dB

▶ MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=0.000 pU      10.000 U/DIV



4.650000000      GHz      5.350000000

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
4.900000000 GHz  
1.404 U

MARKER TO MAX  
MARKER TO MIN

2 5.000000000 GHz  
1.118 U

3 5.100000000 GHz  
1.228 U

▶ MARKER READOUT  
FUNCTIONS

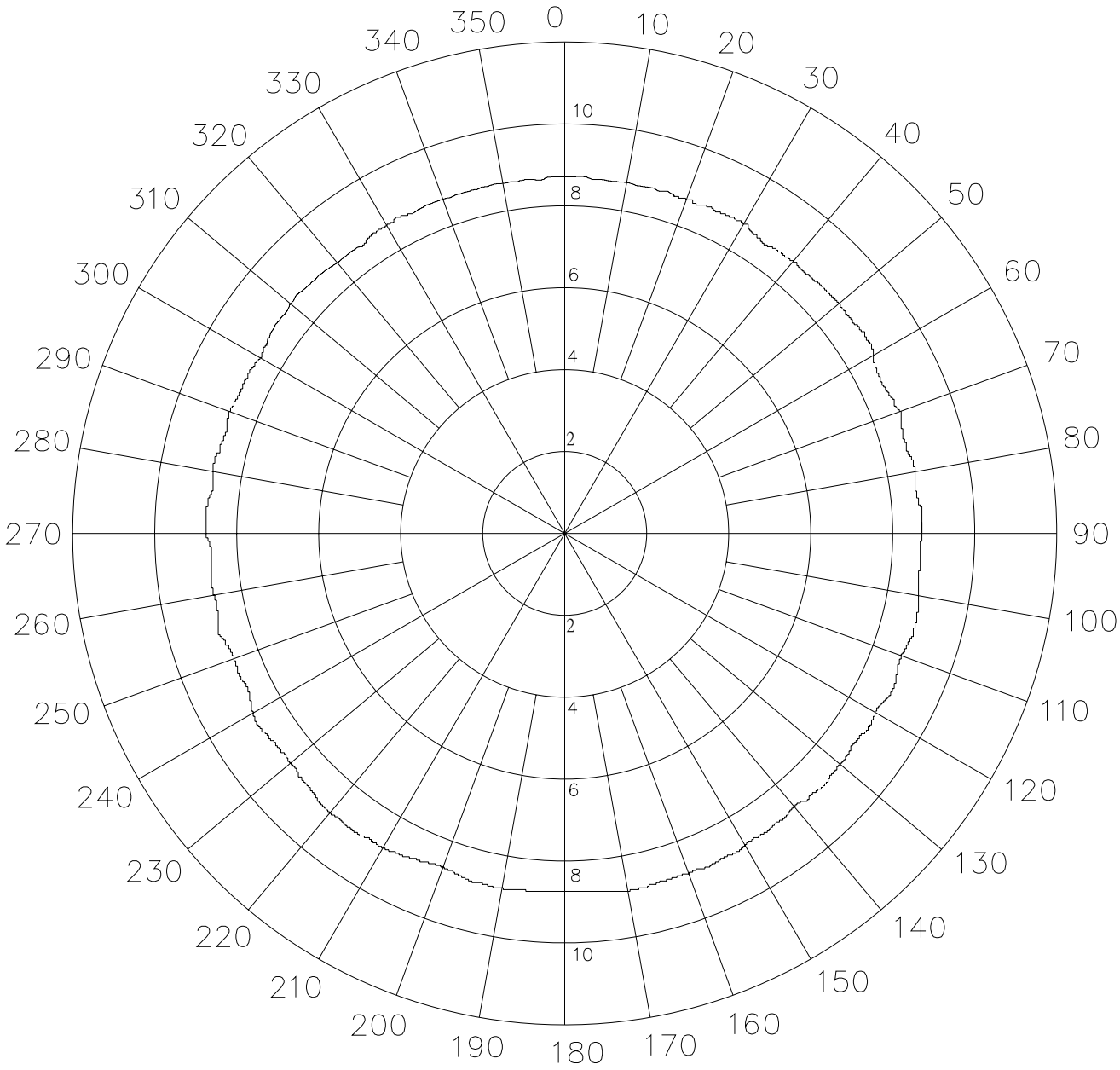
# Omni Directional Antenna

for 4.9~5.1GHz

Version 1

1GP-5009

## H-PLANE FIELD PATTERNS



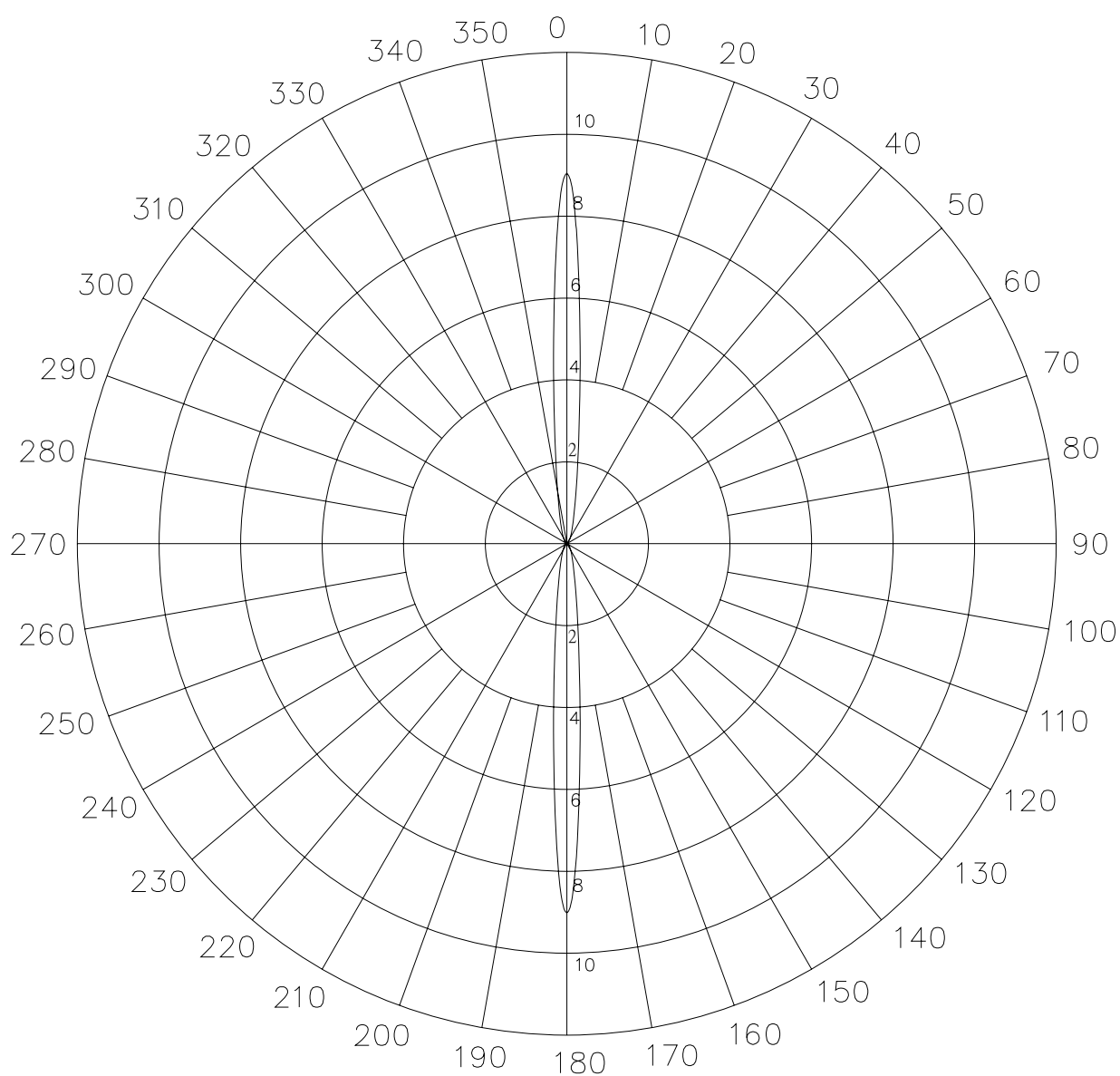
# Omni Directional Antenna

for 4.9~5.1GHz

Version 1

1GP-5009

## E-PLANE FIELD PATTERNS



# Omni Directional Antenna

for 4.9~5.1GHz

Version 1

1GP-5009

