



久 菘 科 技 股 份 有 限 公 司  
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承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

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

Part Number: **1GP-4912**

Date: **2008-09-08**

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Customer Evaluation:

**PASS**

**NG**

Approved Date:

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

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

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**Evertime Communications Co., Ltd.**

# Omni Directional Antenna

for 4.8~5.0GHz

Version 1

1GP-4912

## Electrical Specification:

Frequency	4.8~5.0GHz
Part Number	1GP-4912
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	12 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

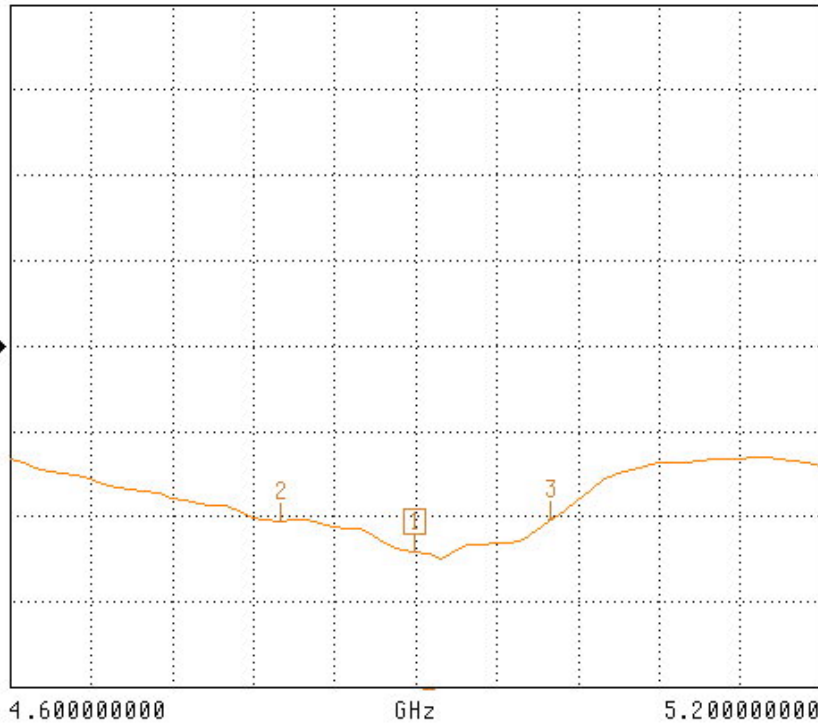
for 4.8~5.0GHz

Version 1

## 1GP-4912

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
4.900000000 GHz  
-24.549 dB

MARKER TO MAX  
MARKER TO MIN

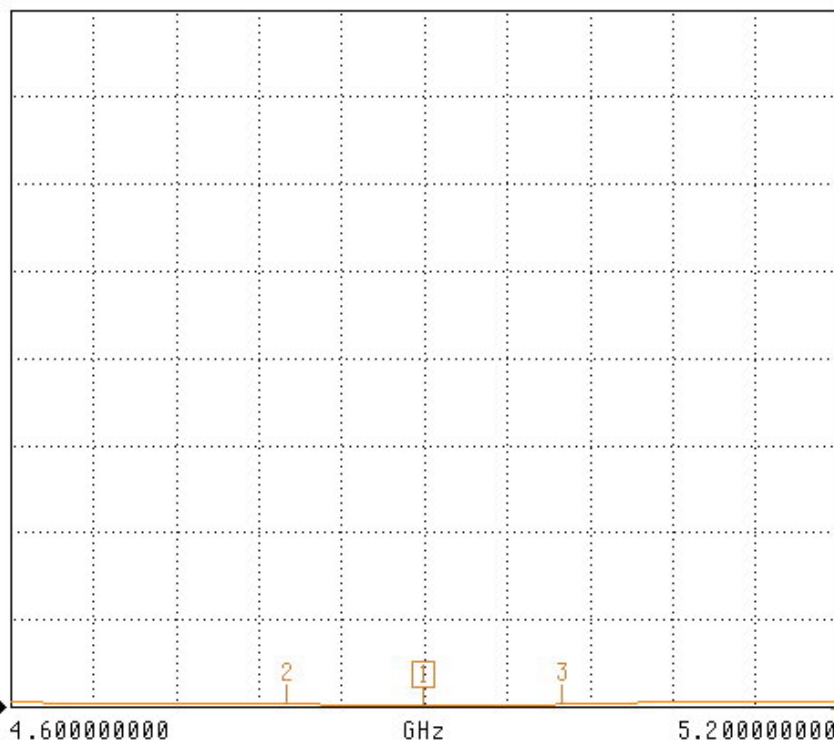
2 4.800000000 GHz  
-20.609 dB

3 5.000000000 GHz  
-20.380 dB

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=1.000 U      10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
4.900000000 GHz  
1.128 U

MARKER TO MAX  
MARKER TO MIN

2 4.800000000 GHz  
1.231 U

3 5.000000000 GHz  
1.236 U

MARKER READOUT  
FUNCTIONS

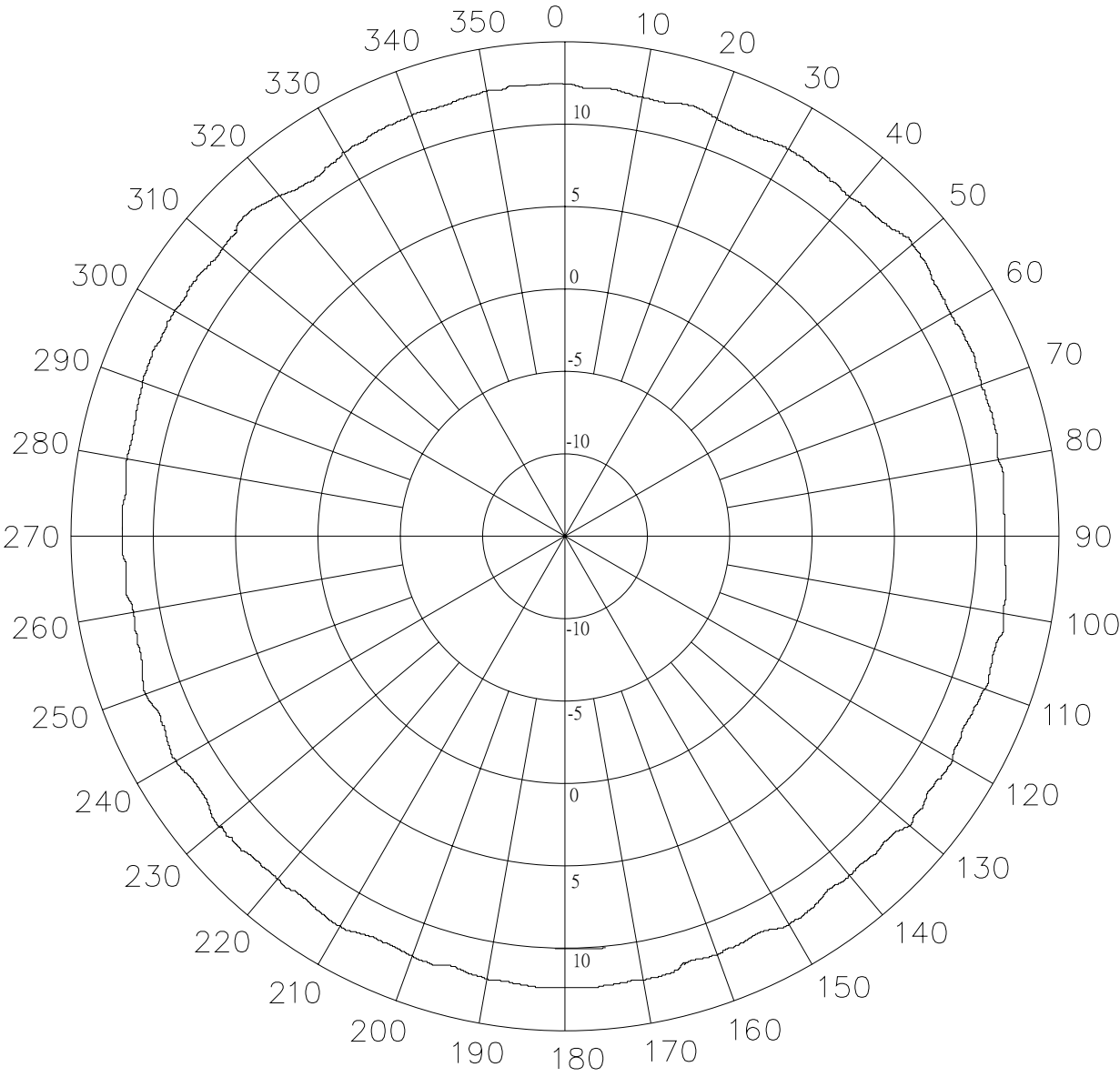
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1GP-4912

## H-PLANE FIELD PATTERNS



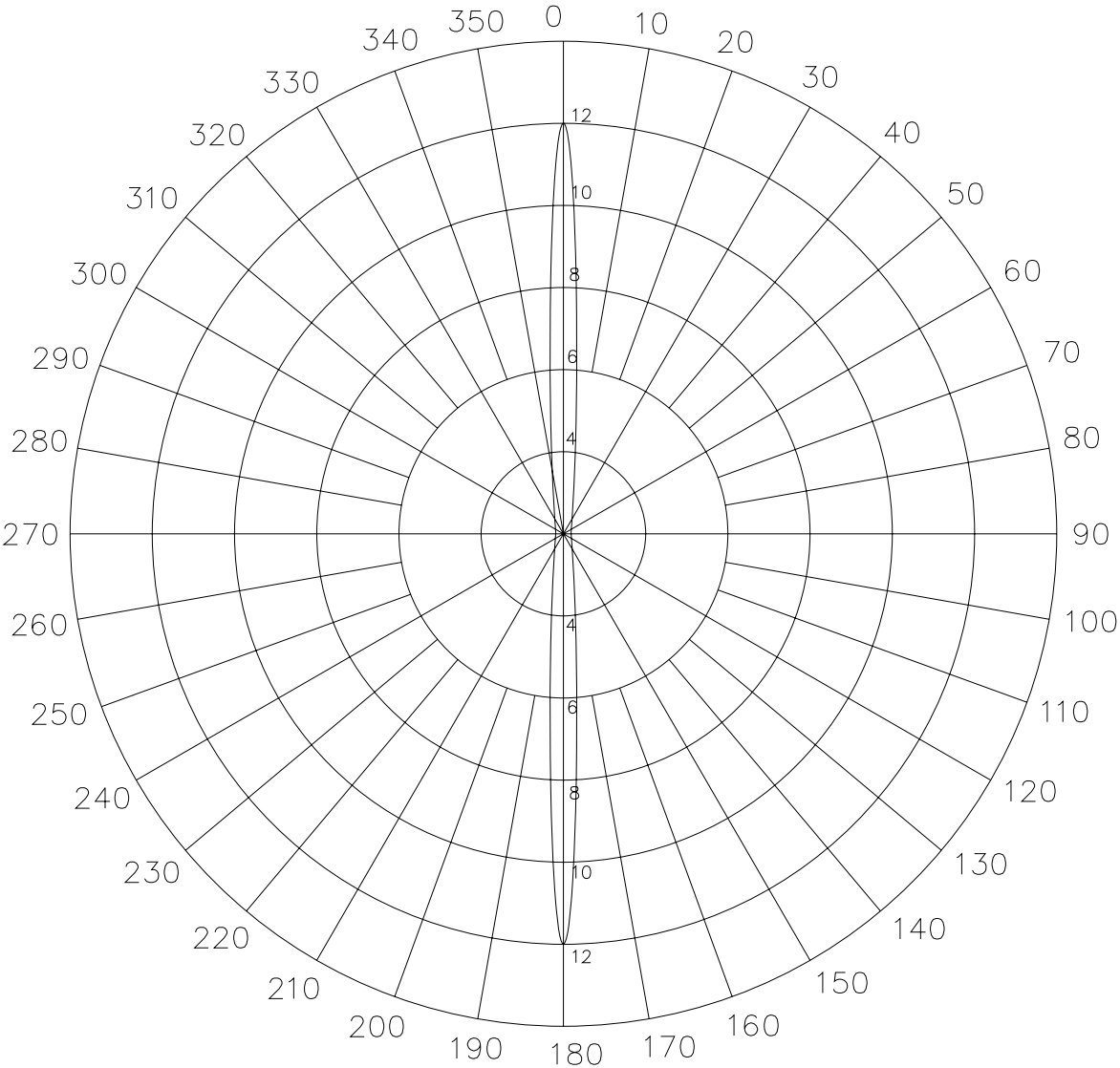
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Version 1

1GP-4912

## E-PLANE FIELD PATTERNS



# Omni Directional Antenna

for 4.8~5.0GHz

Version 1

1GP-4912

