



久 菘 科 技 股 份 有 限 公 司  
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承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

Product Description: **802.11b/g Directional Panel Antenna**

Part Number: **1PG-24002**

Date: **2008-05-12**

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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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# Directional Panel Antenna

for 2.4~2.5GHz

Version 1

1PG-24002

## Electrical Specification:

Frequency	2.4~2.5GHz
Part Number	1PG-24002
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	12 dBi
Power handling	10W Max
Front to back ratio	20dB
HPBW / horizontal	50°
HPBW / vertical	30°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	215*90*30mm
Weight	560g
Radome color	WHITE
Radome material	PVC

# Directional Panel Antenna

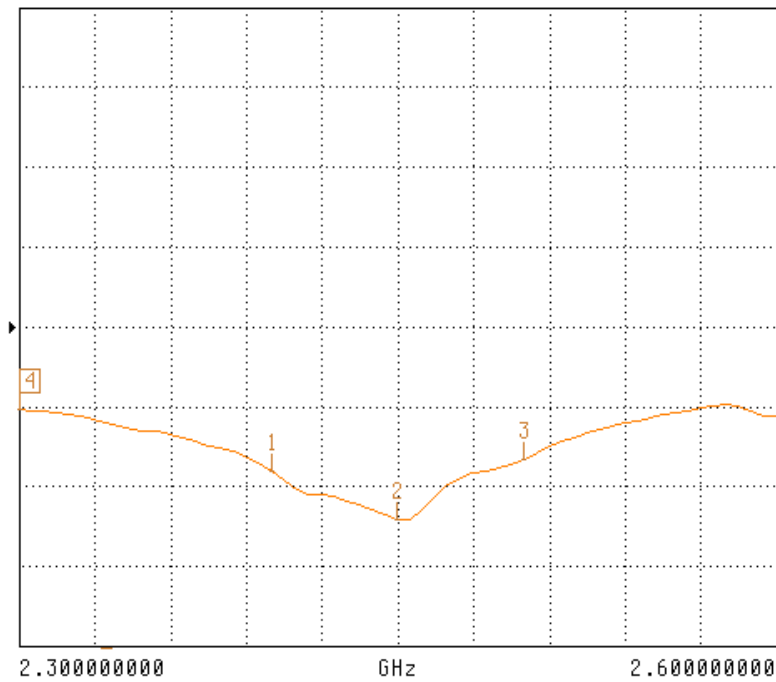
## for 2.4~2.5GHz

Version 1

### 1PG-24002

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
2.300000000 GHz  
-10.331 dB

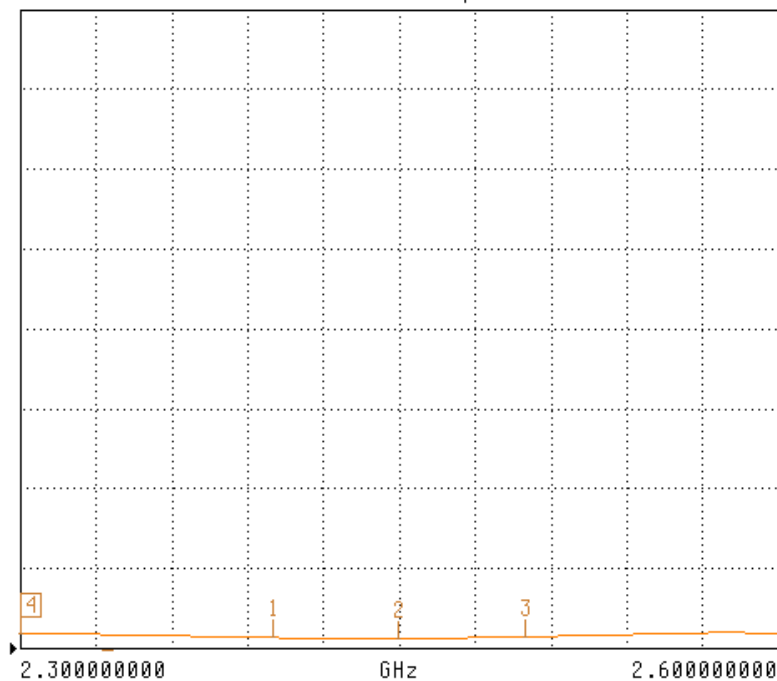
▶ MARKER TO MAX  
MARKER TO MIN

- 1 2.400000000 GHz  
-18.183 dB
- 2 2.450000000 GHz  
-24.285 dB
- 3 2.500000000 GHz  
-16.557 dB

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=0.000 pU      10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
2.300000000 GHz  
1.879 U

▶ MARKER TO MAX  
MARKER TO MIN

- 1 2.400000000 GHz  
1.282 U
- 2 2.450000000 GHz  
1.131 U
- 3 2.500000000 GHz  
1.348 U

MARKER READOUT  
FUNCTIONS

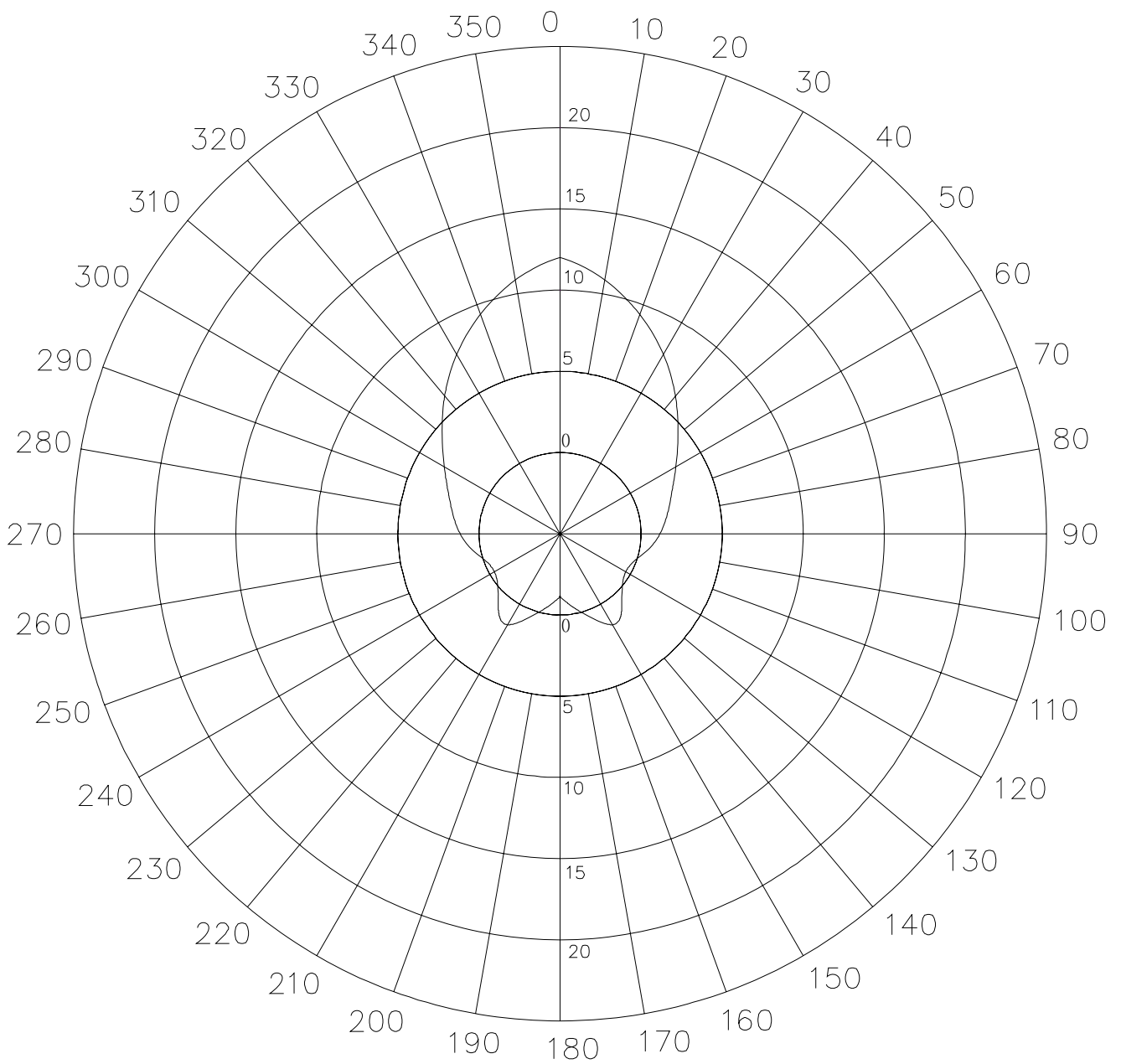
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## H-PLANE FIELD PATTERNS



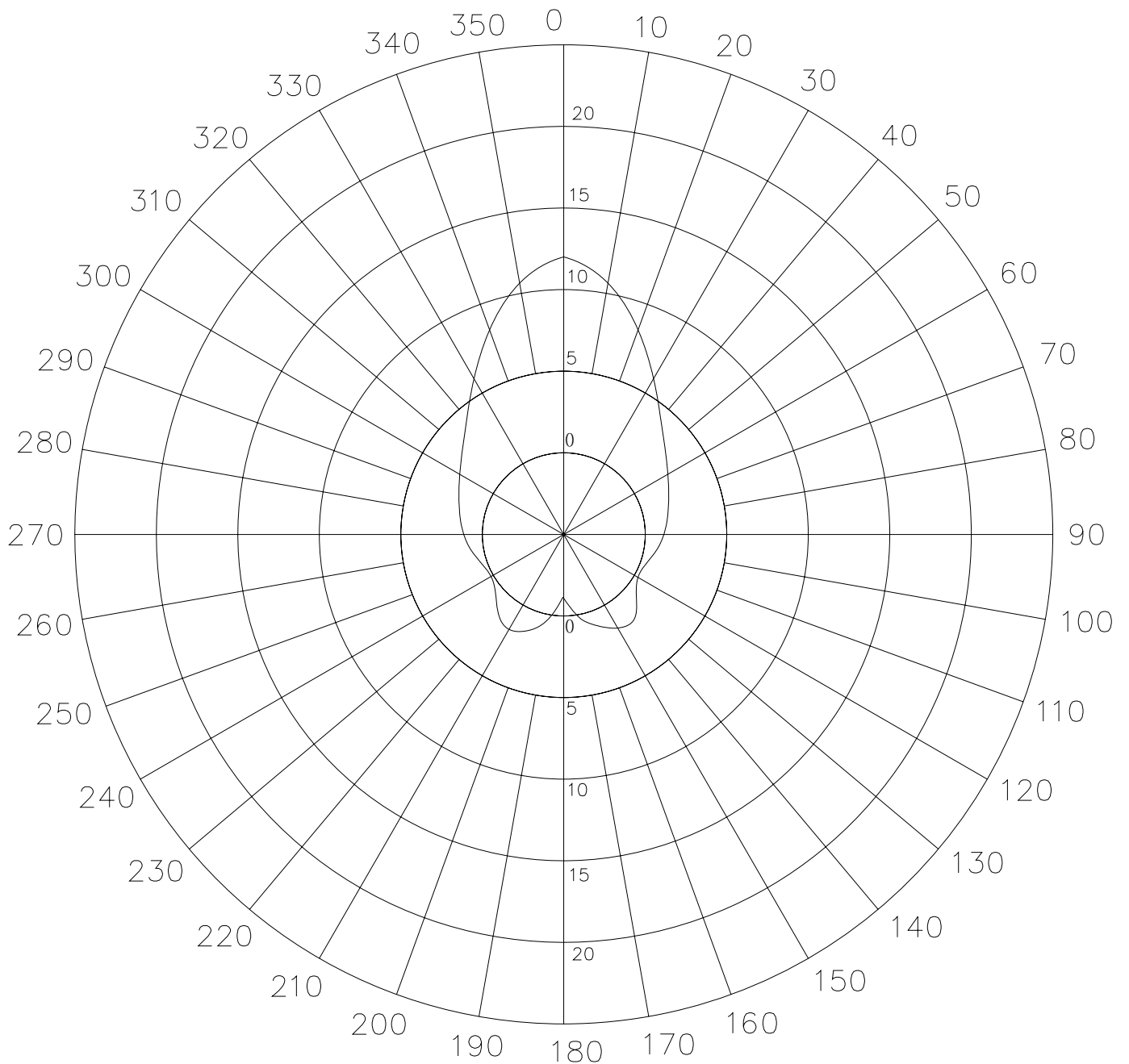
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## E-PLANE FIELD PATTERNS

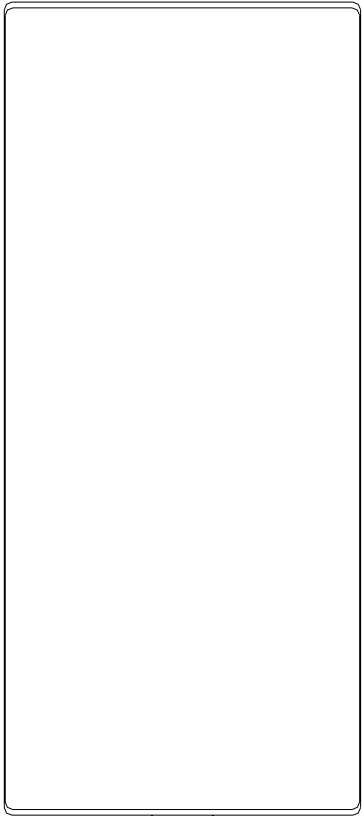
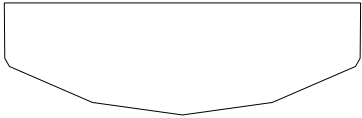


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N TYPE FEMALE

