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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1PG-4921**

Date: **2008-08-11**

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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 4.8~5.0GHz

Version 1

1PG-4921

## Electrical Specification:

Frequency	4.9~5.0GHz
Part Number	1PG-4921
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	21 dBi
Power handling	20W Max
Front to back ratio	35dB
HPBW / horizontal	20°
HPBW / vertical	15°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	370*370*35mm
Weight	2.1Kg
Radome color	WHITE
Radome material	PC and ABS

# Directional Panel Antenna

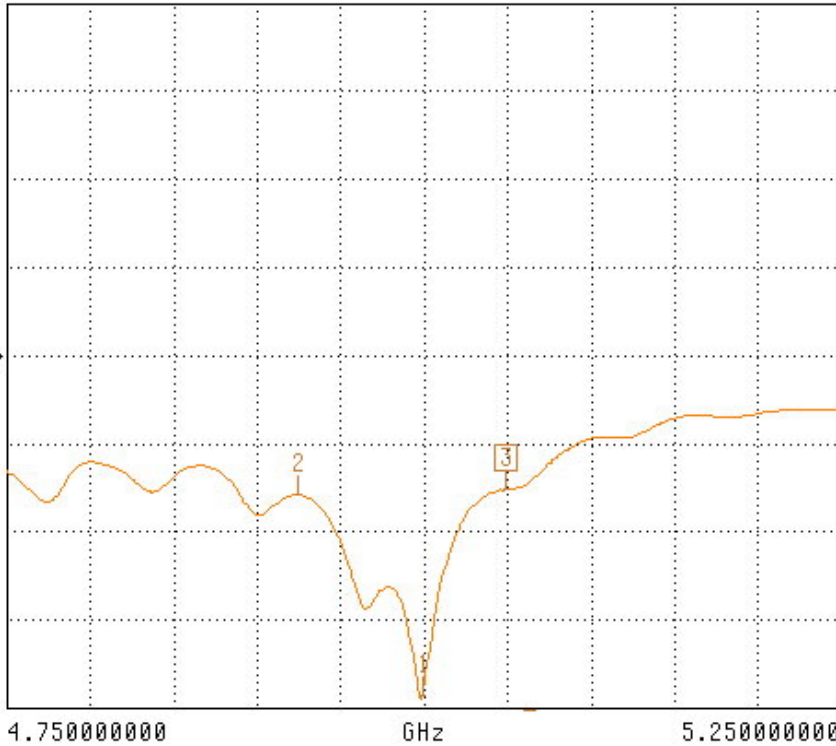
## for 4.8~5.0GHz

Version 1

### 1PG-4921

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

▶ MARKER 3  
4.800000000 GHz  
-15.174 dB

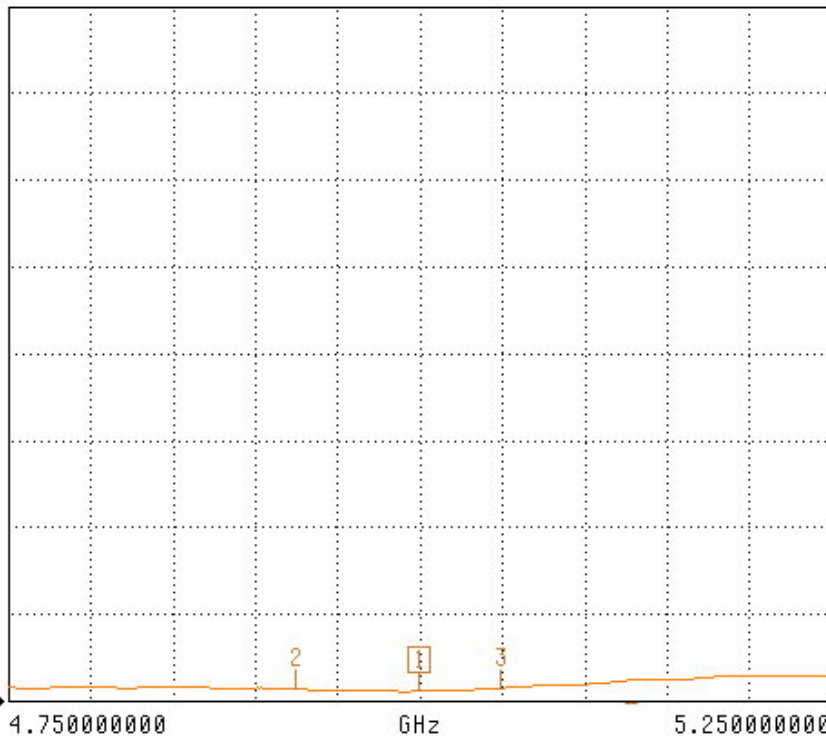
MARKER TO MAX  
MARKER TO MIN

1 4.900000000 GHz  
-38.561 dB  
2 5.000000000 GHz  
-15.818 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 1  
4.800000000 GHz  
1.089 U

MARKER TO MAX  
MARKER TO MIN

2 4.900000000 GHz  
1.336 U  
3 5.000000000 GHz  
1.444 U

MARKER READOUT  
FUNCTIONS

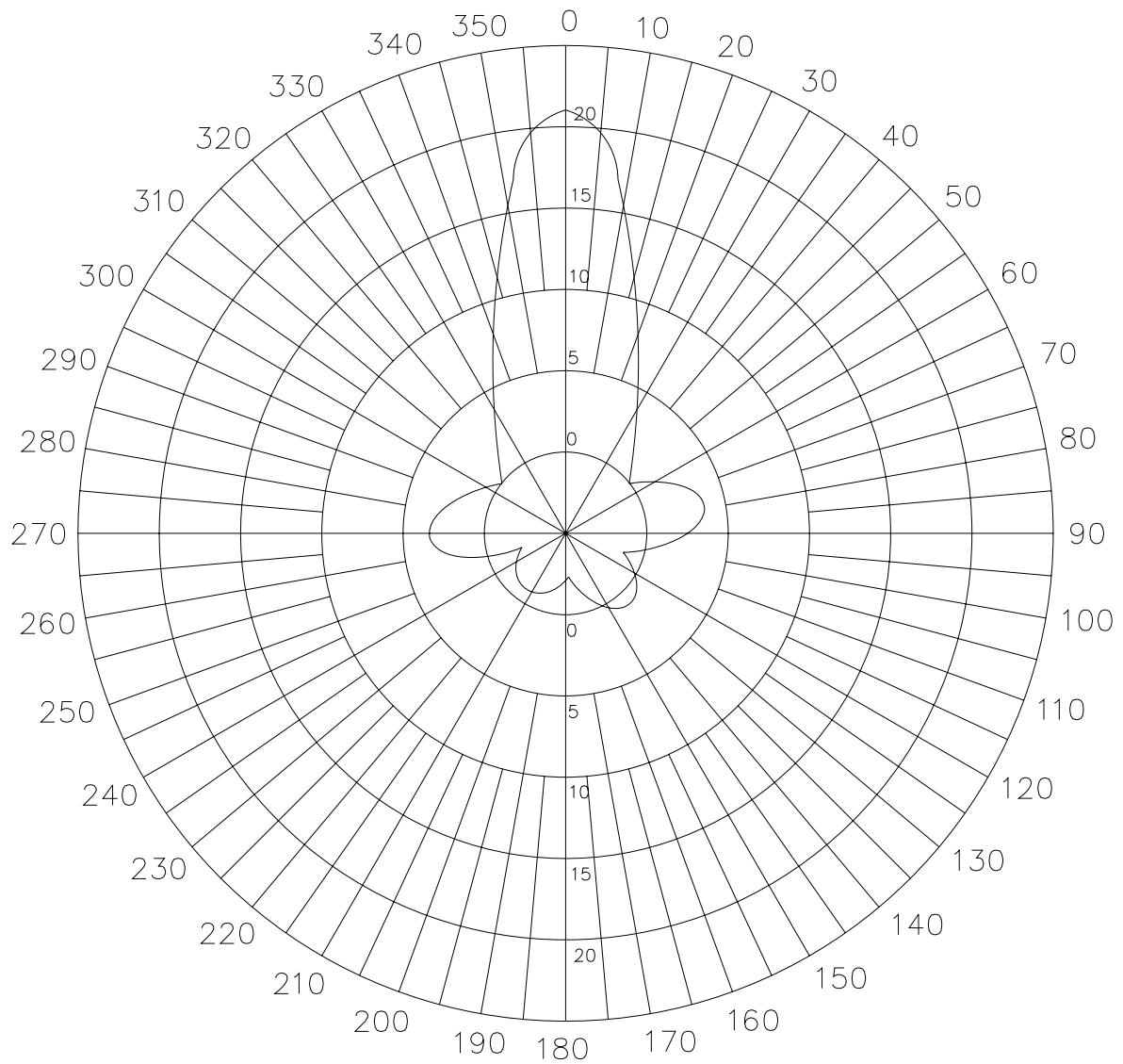
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## H-PLANE FIELD PATTERNS



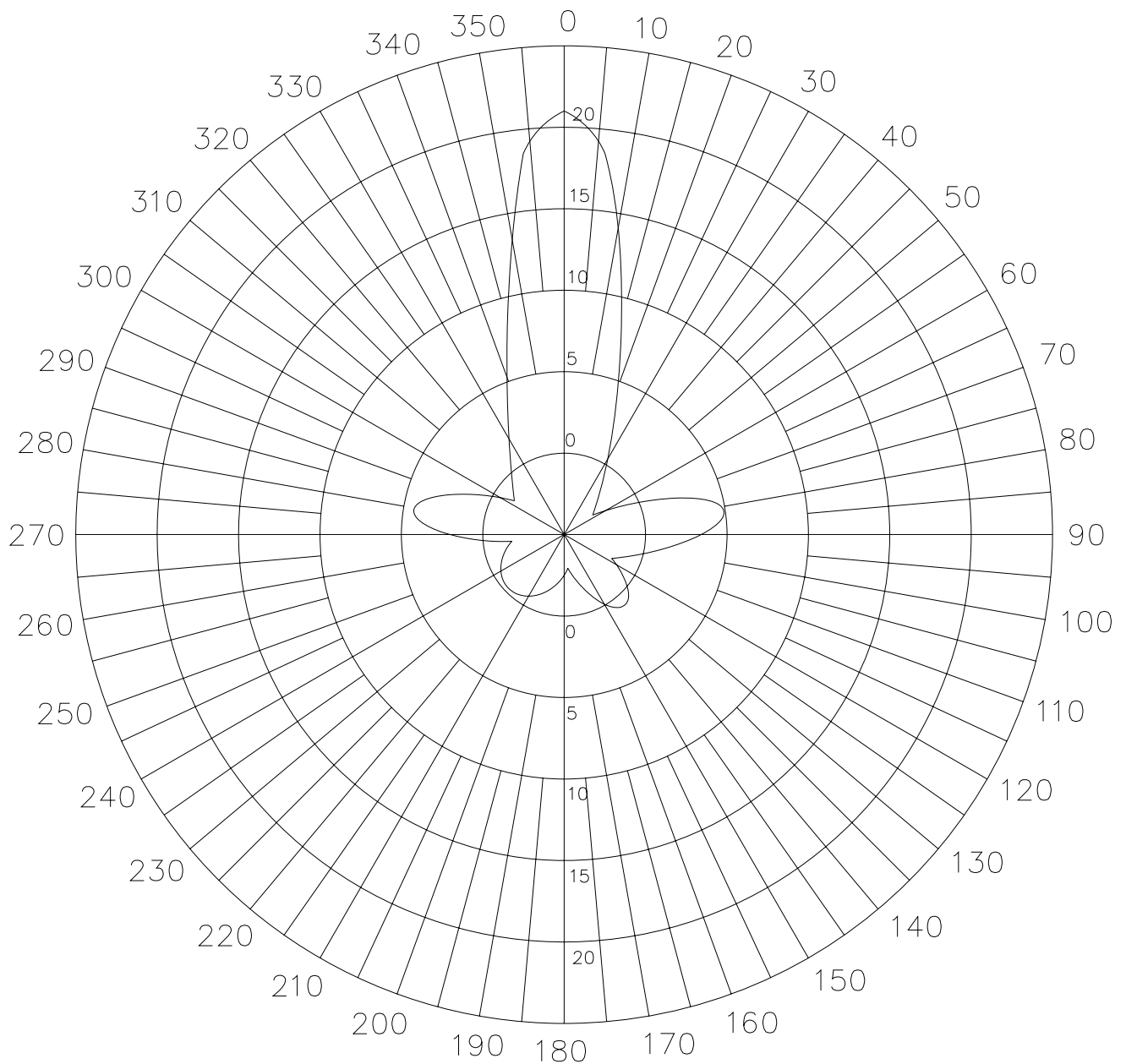
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## E-PLANE FIELD PATTERNS

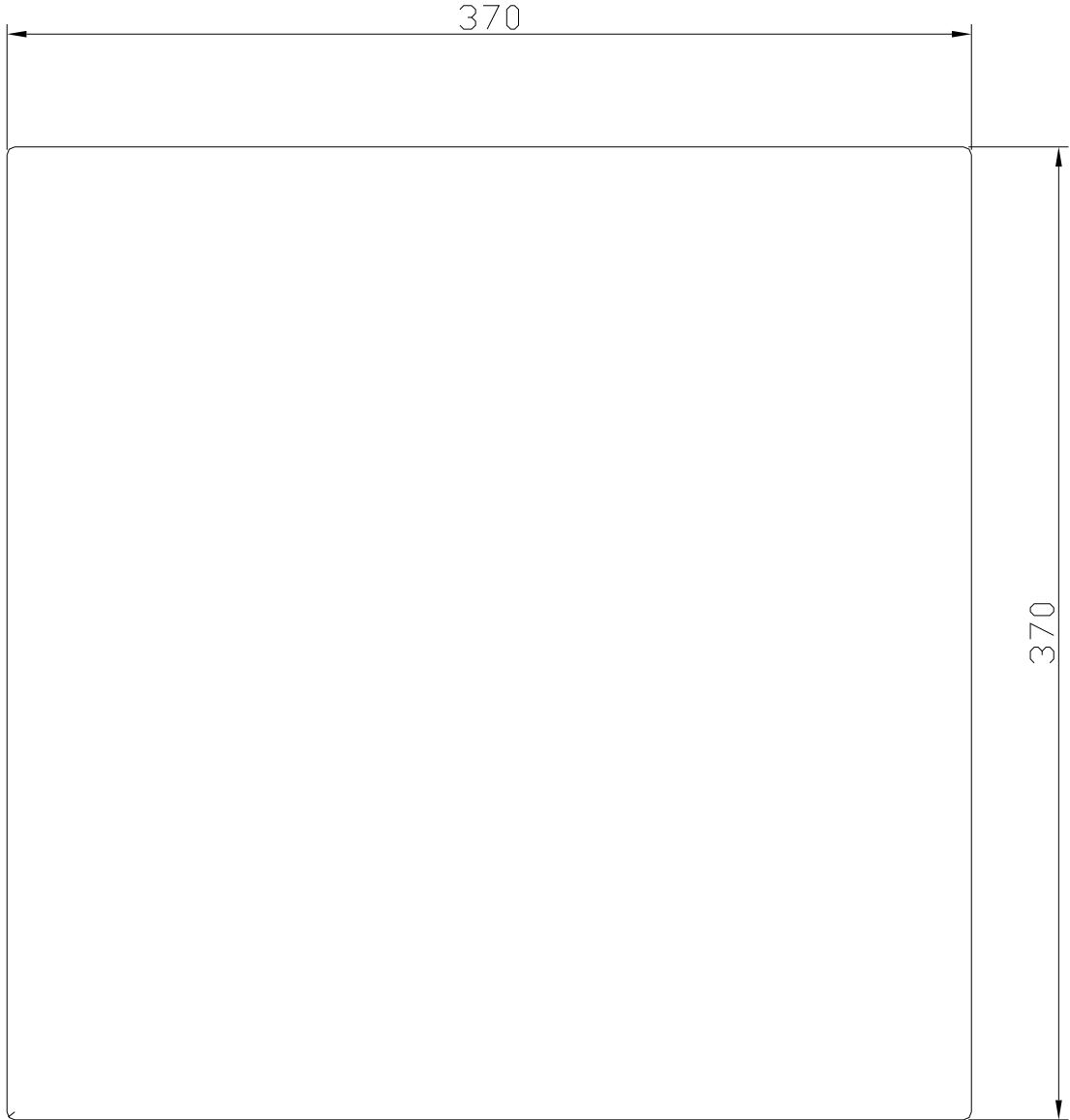


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N TYPE FEMALE