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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1PG-2409CP**

Date: **2008-07-14**

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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.

# Directional Panel Antenna

for 2.4~2.5GHz

Version 1

1PG-2409CP

## Electrical Specification:

|                       |                        |
|-----------------------|------------------------|
| Frequency             | 2.4~2.5GHz             |
| Part Number           | 1PG-2409CP             |
| Polarization          | CP                     |
| 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   | 20dB                   |
| HPBW / horizontal     | 70°                    |
| HPBW / vertical       | 70°                    |
| Rated Wind            | 3.0 lbs. (1.4 kg)      |
| Operating Temperature | -20°C~60°C             |

## MECHANICAL SPECIFICATION

|                 |                    |
|-----------------|--------------------|
| Connector Type  | N Type Female      |
| Length          | $\varphi$ 130*50mm |
| Weight          | 200g               |
| Radome color    | Gray-white         |
| Radome material | PC and ABS         |

# Directional Panel Antenna

## for 2.4~2.5GHz

Version 1

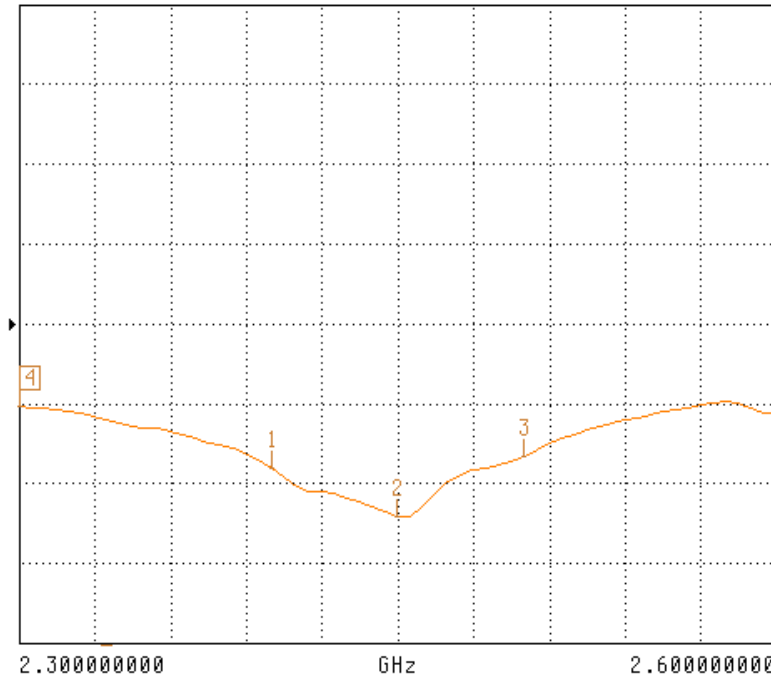
### 1PG-2409CP

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

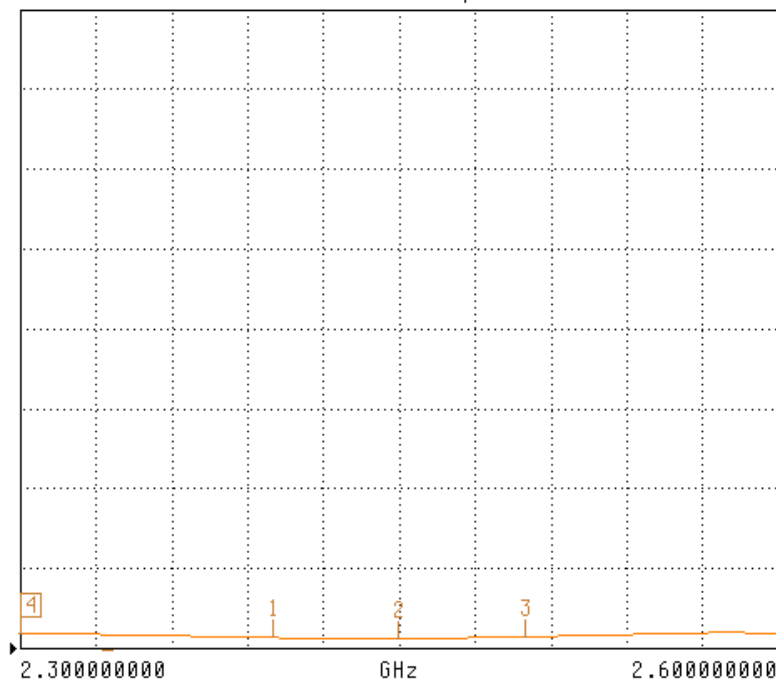
MARKER READOUT  
FUNCTIONS

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

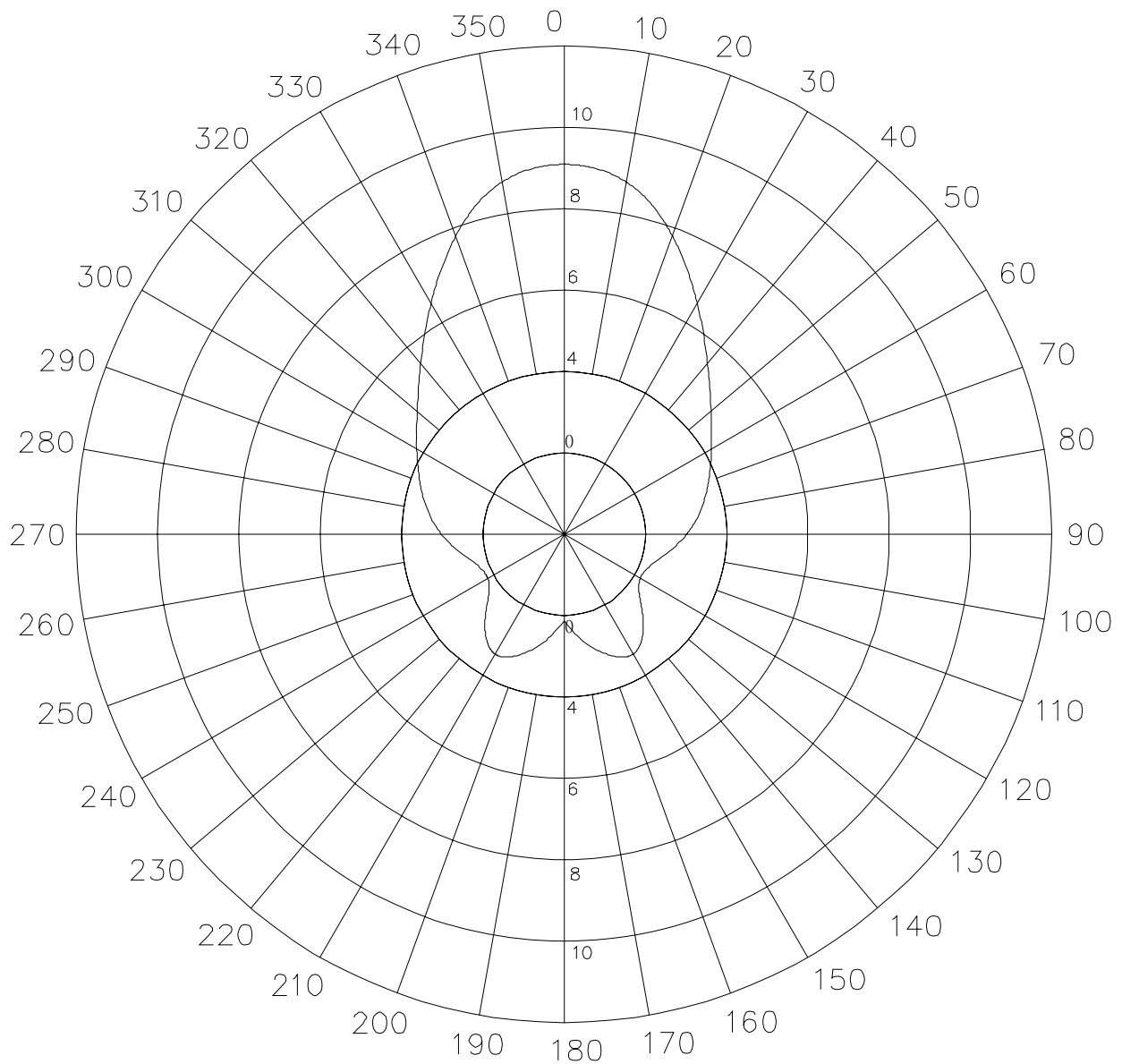
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## H-PLANE FIELD PATTERNS



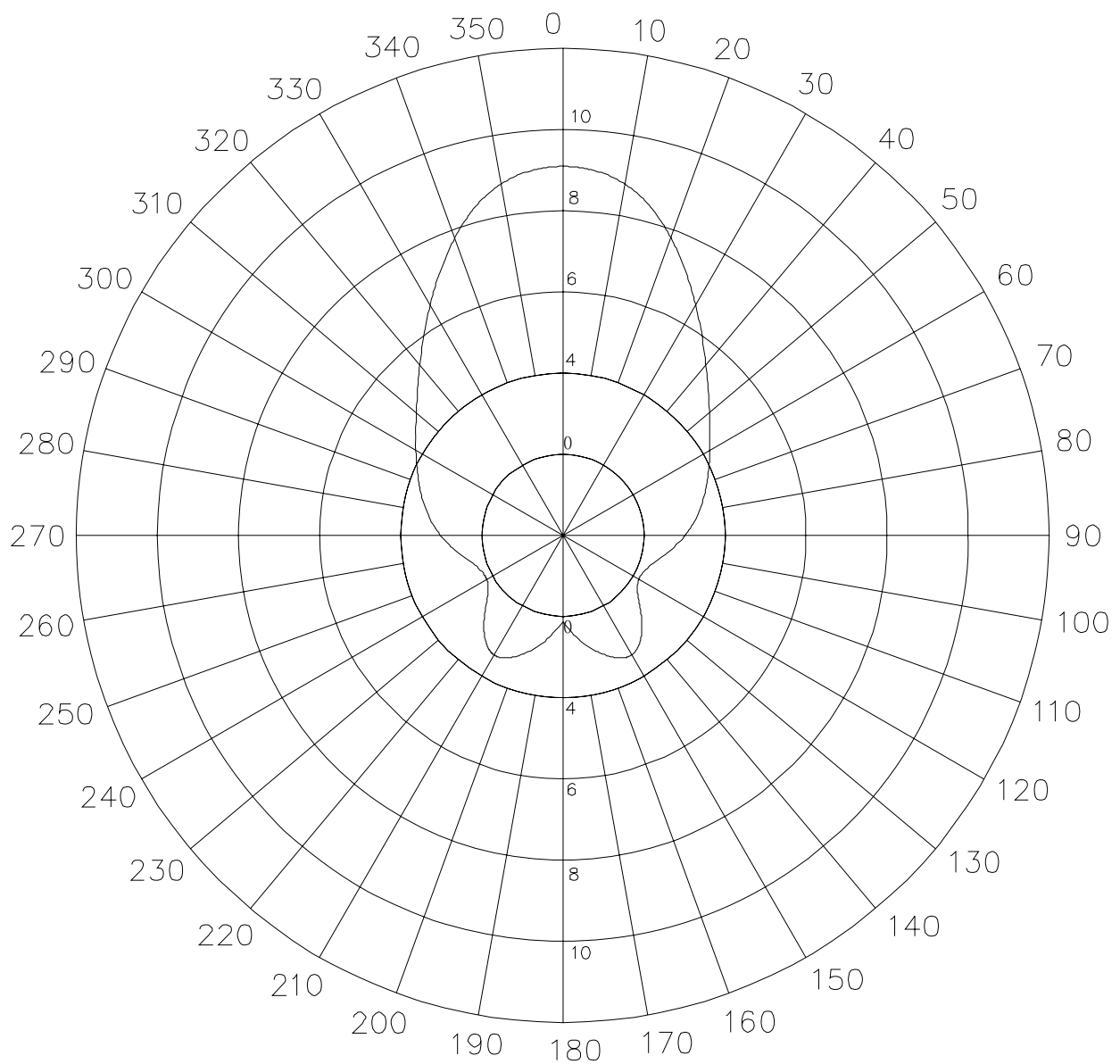
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Version 1

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## E-PLANE FIELD PATTERNS

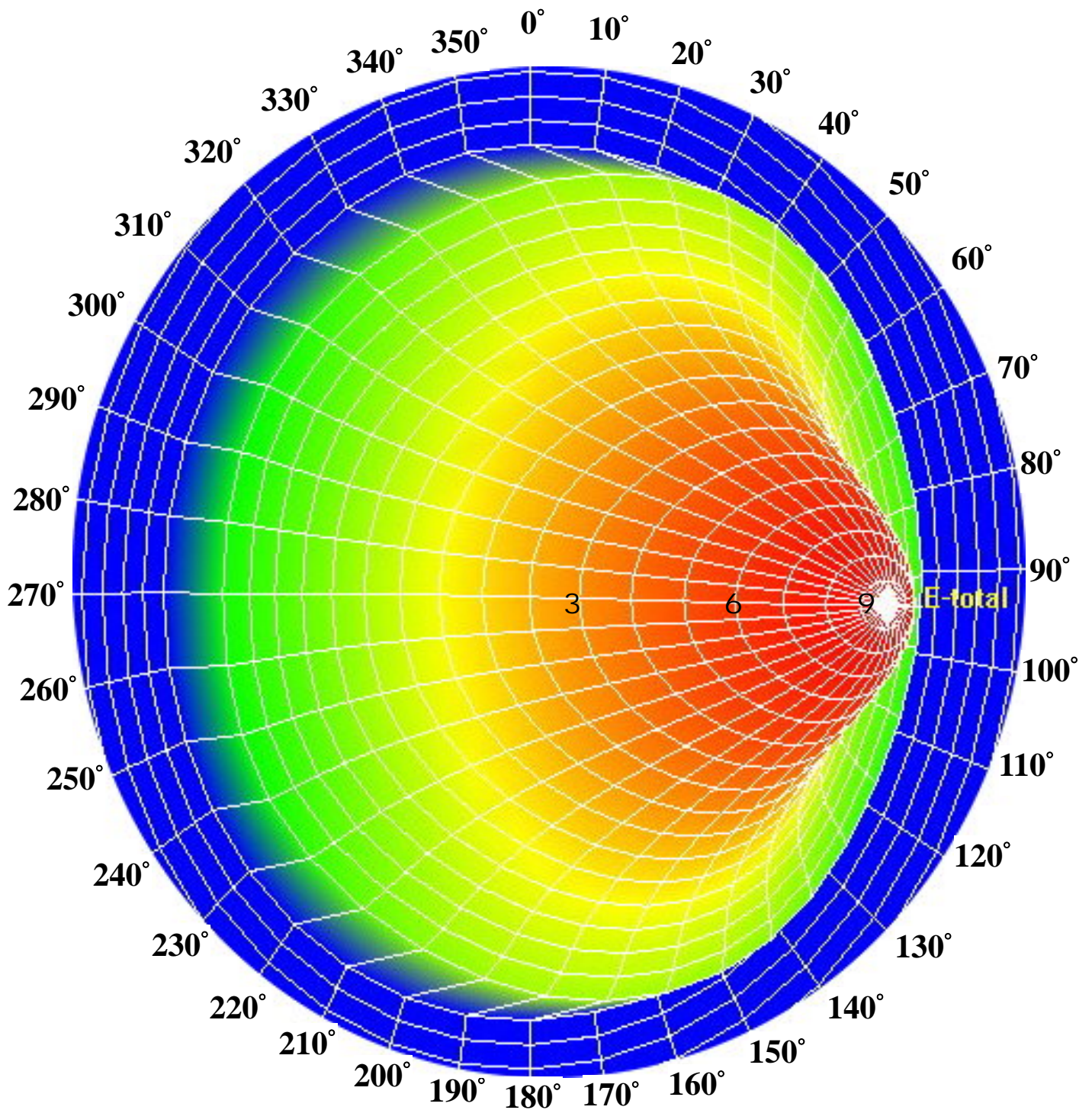


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for 2.4~2.5GHz

Version 1

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