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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **GSM Directional Panel Antenna**

Part Number: **1PG-0909CP**

Date: **2009-01-16**

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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 GSM

Version 1

1PG-0909CP

## Electrical Specification:

Frequency	860~940 MHz
Part Number	1PG-0909CP
Polarization	LHCP
V.S.W.R.	1 : 2.0 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	9 dBi
Power handling	30W 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	SMA male
Length	263*263*30mm
Weight	1.68Kg
Radome color	WHITE
Radome material	PC+ABS

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### 1PG-0909CP

S11 FORWARD REFLECTION

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

LOG MAGNITUDE      ▶REF=0.000 dB      10.000 dB/DIV

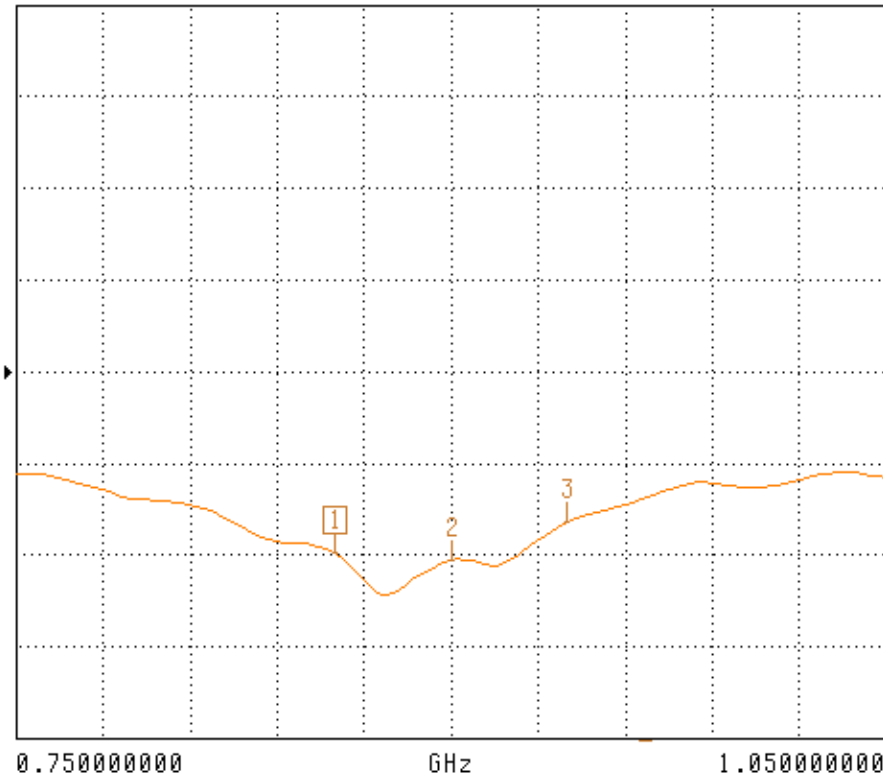
▶ MARKER 1  
0.860000000 GHz  
-19.813 dB

MARKER TO MAX  
MARKER TO MIN

2 0.900000000 GHz  
-20.586 dB

3 0.940000000 GHz  
-16.470 dB

MARKER READOUT  
FUNCTIONS



S11 FORWARD REFLECTION

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

SWR      ▶REF=0.000 pU      10.000 U/DIV

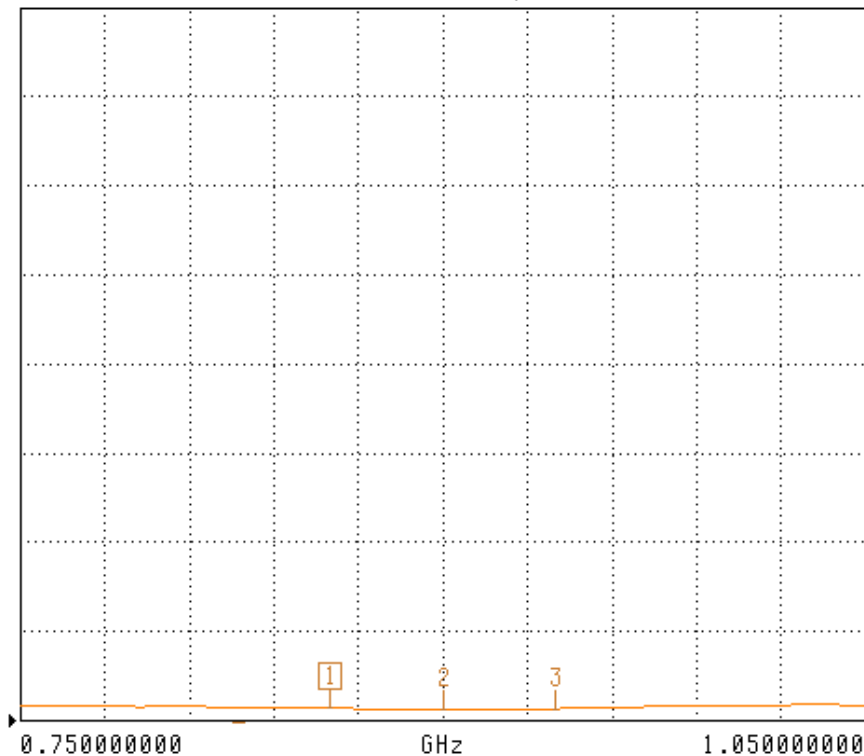
▶ MARKER 1  
0.860000000 GHz  
1.327 U

MARKER TO MAX  
MARKER TO MIN

2 0.900000000 GHz  
1.196 U

3 0.940000000 GHz  
1.253 U

MARKER READOUT  
FUNCTIONS



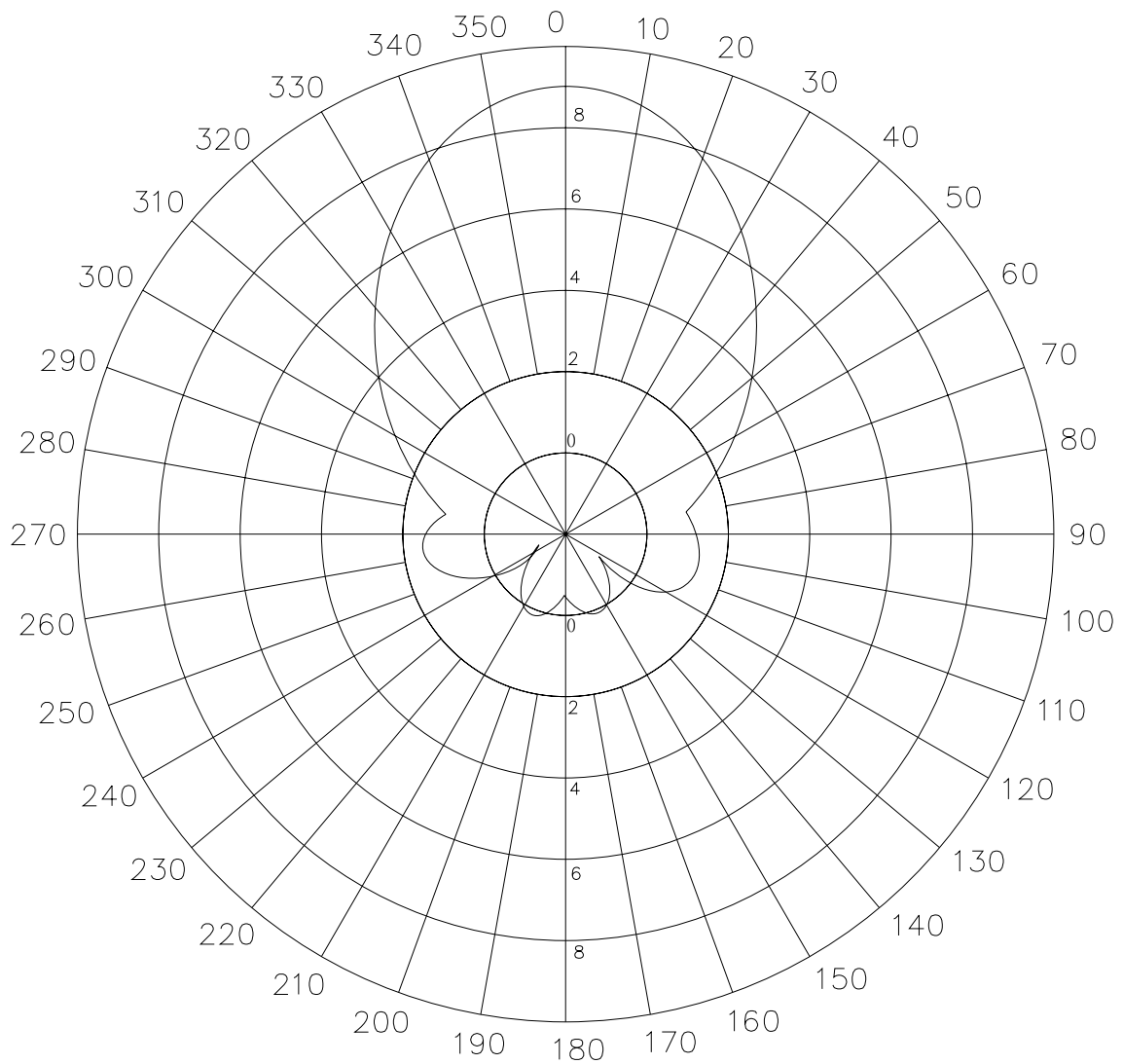
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## H-PLANE FIELD PATTERNS



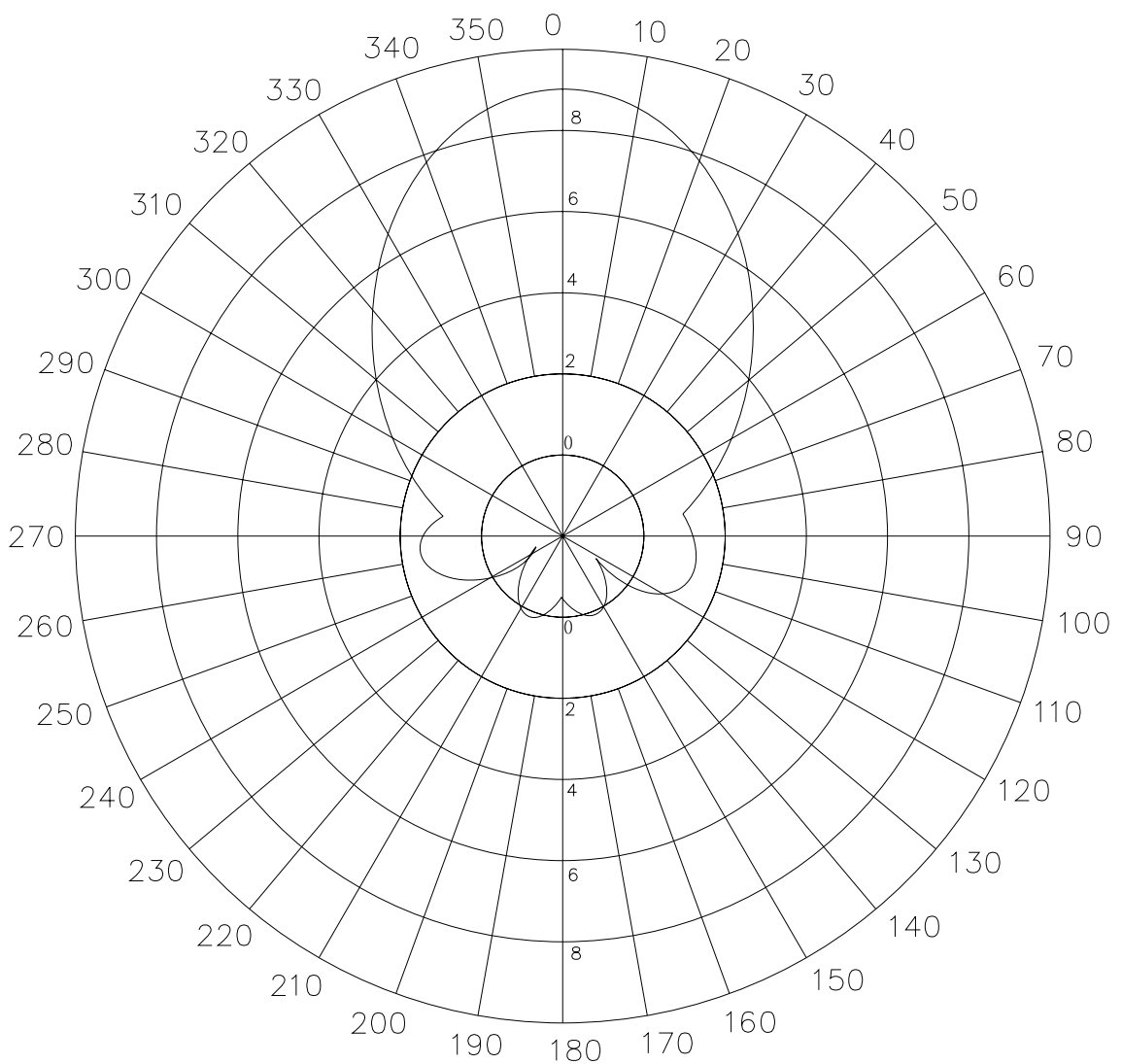
# Directional Panel Antenna

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## E-PLANE FIELD PATTERNS

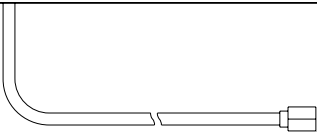
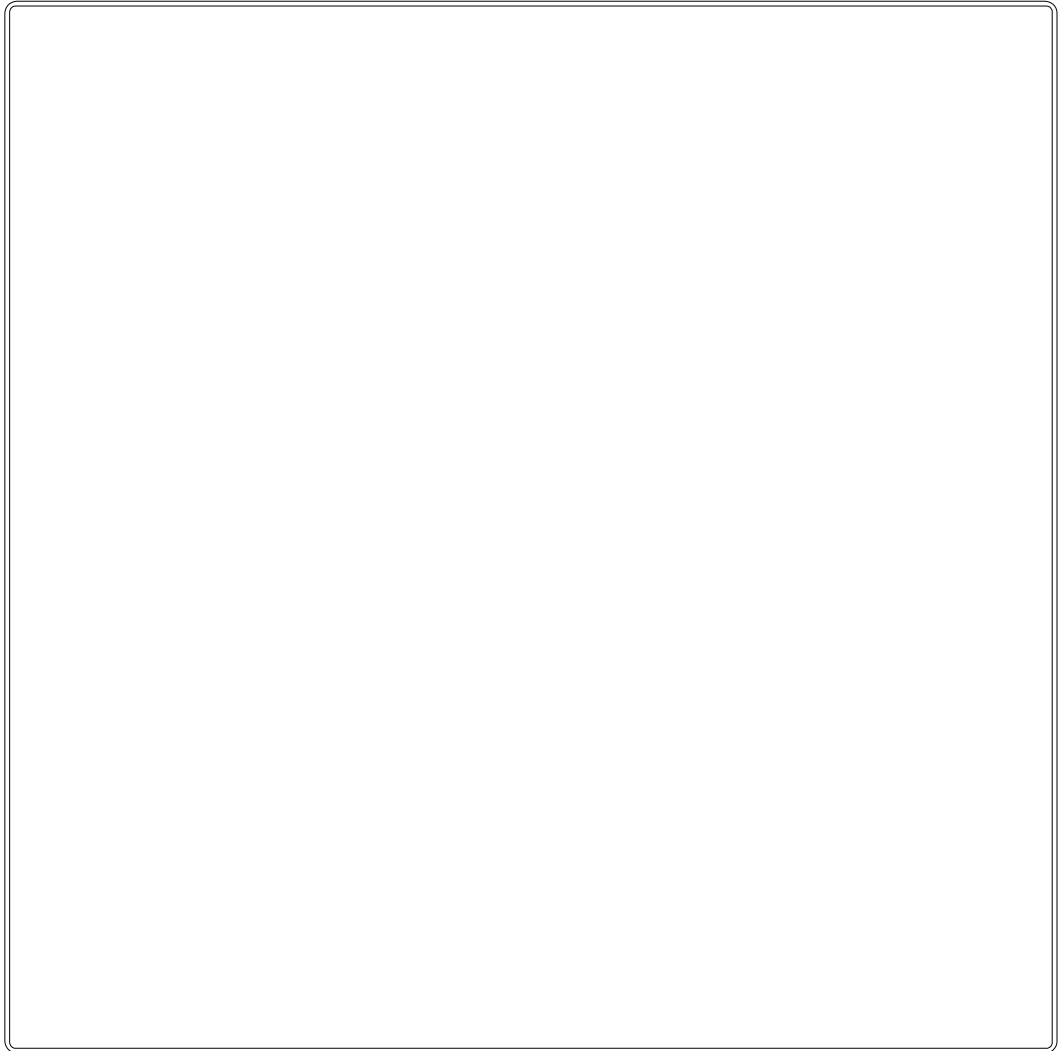
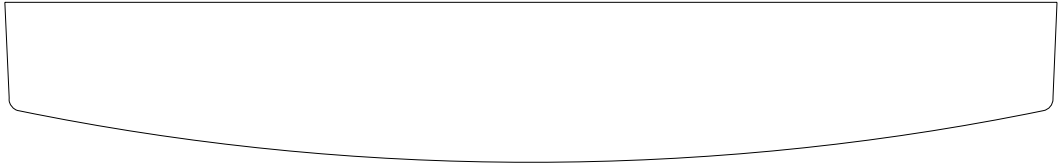


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SMA MALE