



久 菘 科 技 股 份 有 限 公 司  
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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.16e Directional Panel Antenna**

Part Number: **1PG-2616**

Date: **2009-02-12**

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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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Evertime Communications Co., Ltd.

# Directional Panel Antenna

for 2.5~2.7GHz

Version 1

1PG-2616

## Electrical Specification:

Frequency	2.5~2.7GHz
Part Number	1PG-2616
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	16 dBi
Power handling	15W Max
Front to back ratio	30dB
HPBW / horizontal	30°
HPBW / vertical	20°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	270*205*15mm
Weight	310g
Radome color	Gray-white
Radome material	PC and ABS

# Directional Panel Antenna

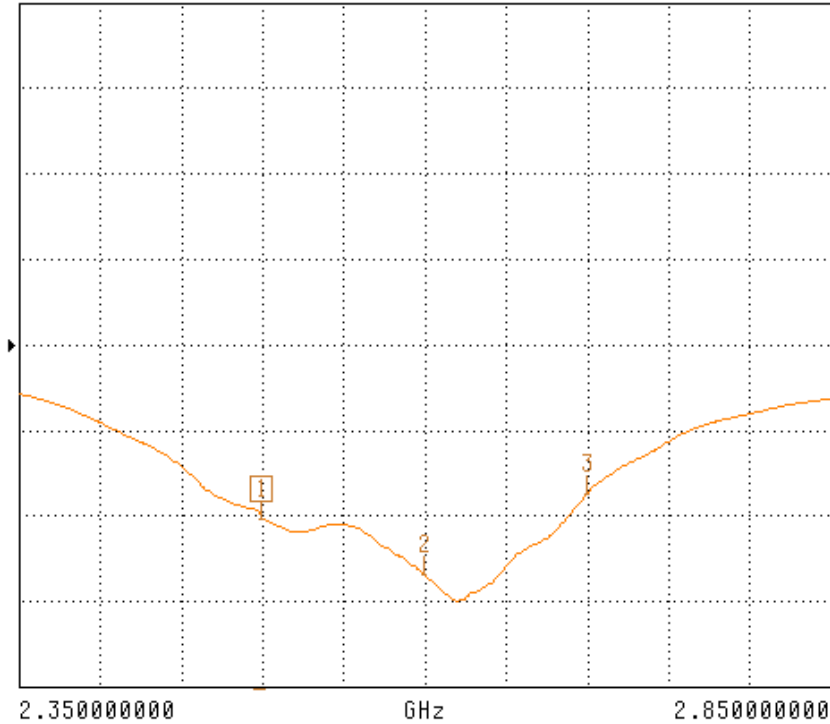
## for 2.5~2.7GHz

Version 1

### 1PG-2616

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

▶ MARKER 1  
2.500000000 GHz  
-20.503 dB

MARKER TO MAX  
MARKER TO MIN

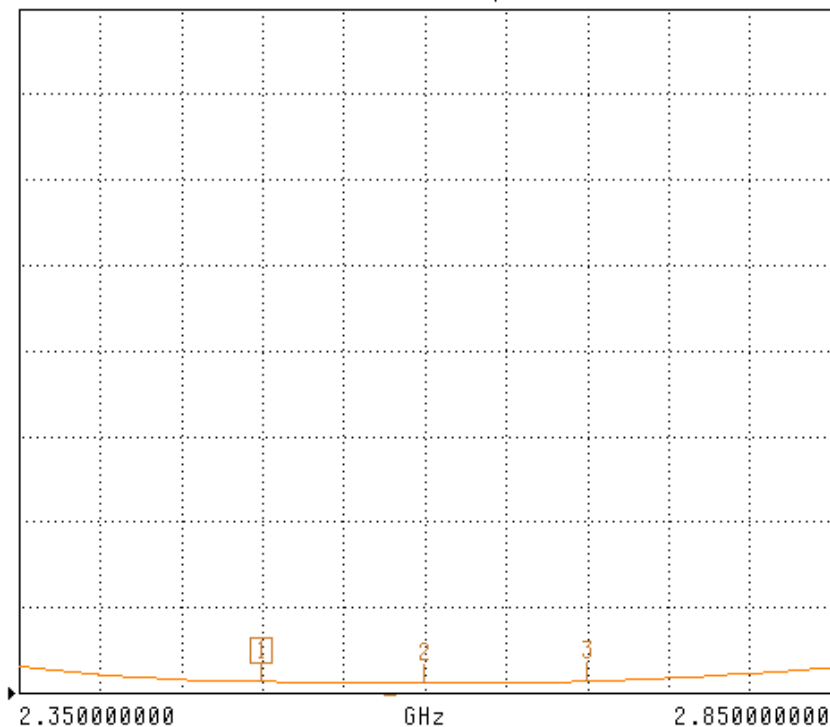
2 2.600000000 GHz  
-26.901 dB

3 2.700000000 GHz  
-17.512 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  
2.500000000 GHz  
1.287 U

MARKER TO MAX  
MARKER TO MIN

2 2.600000000 GHz  
1.087 U

3 2.700000000 GHz  
1.297 U

MARKER READOUT  
FUNCTIONS

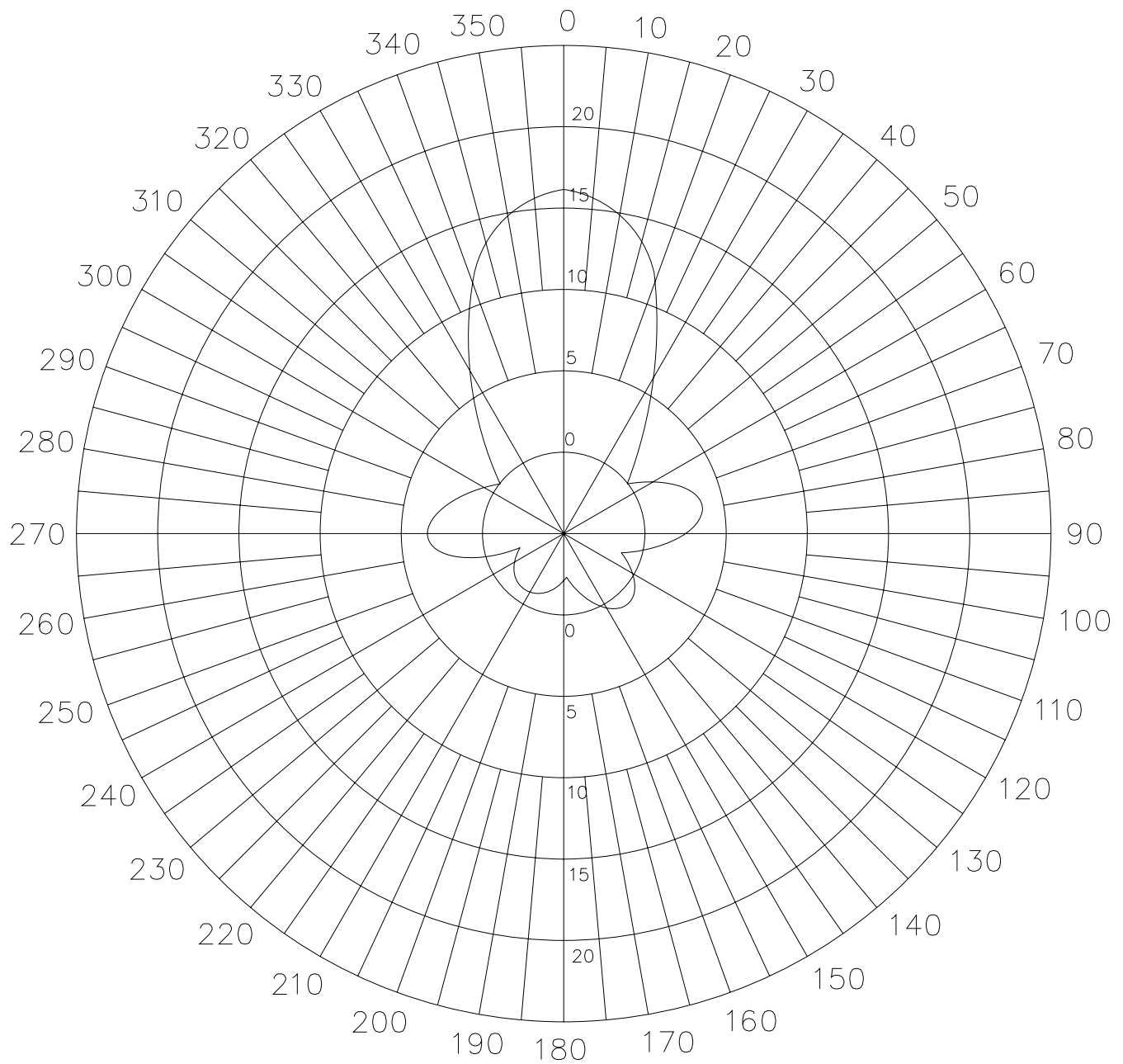
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## H-PLANE FIELD PATTERNS



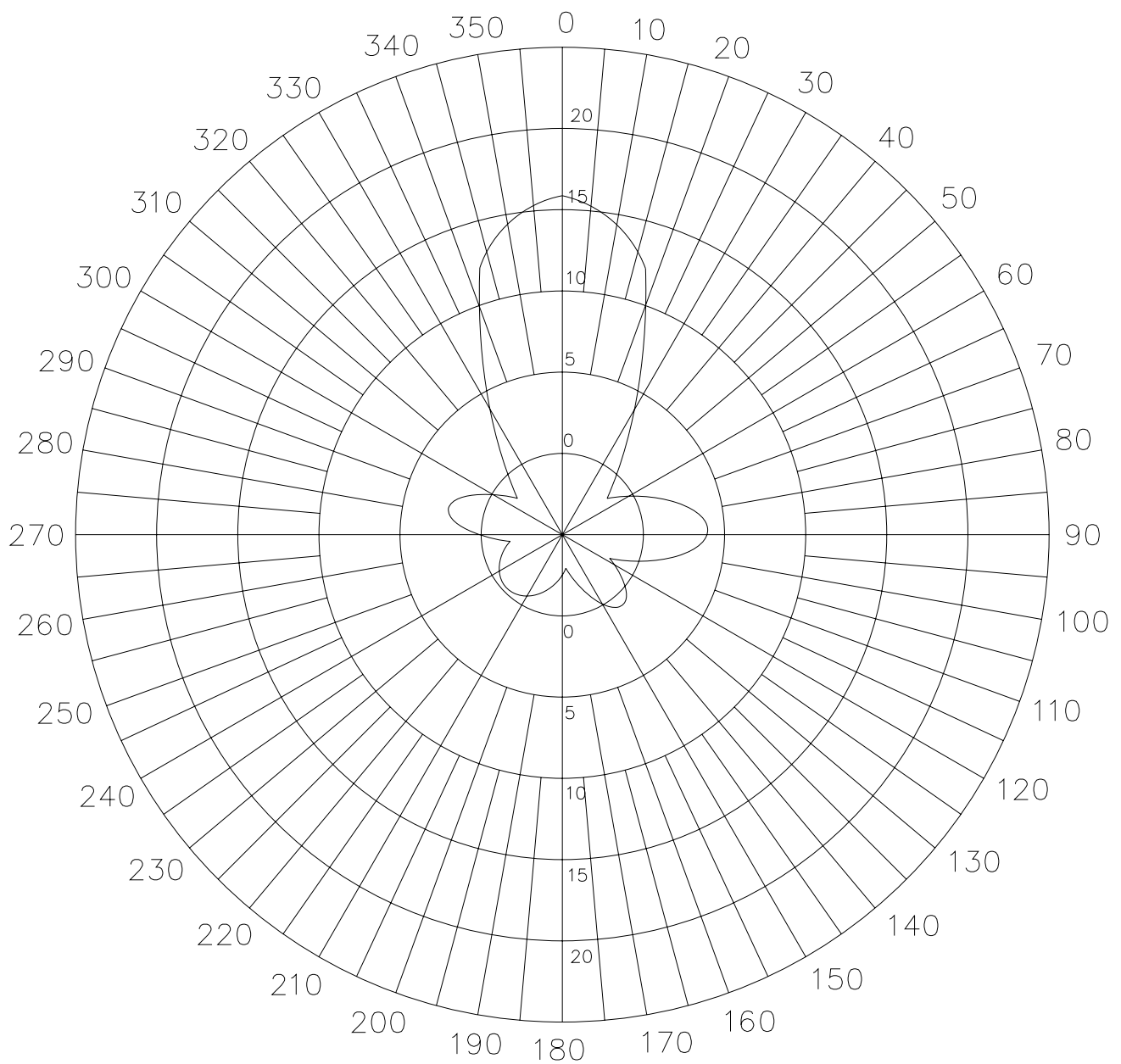
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## E-PLANE FIELD PATTERNS



# Directional Panel Antenna

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for 2.5~2.7GHz

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Version 1

1PG-2616

