



久 菘 科 技 股 份 有 限 公 司  
**EVERTIME COMMUNICATIONS CO., LTD.**

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承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

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

Part Number: **1PG-4918**

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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**Evertime Communications Co., Ltd.**

# Directional Panel Antenna

for 4.8~5.0GHz

Version 1

1PG-4918

## Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1PG-51818-1
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	18 dBi
Power handling	10W Max
Front to back ratio	30dB
HPBW / horizontal	10°
HPBW / vertical	10°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

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

# Directional Panel Antenna

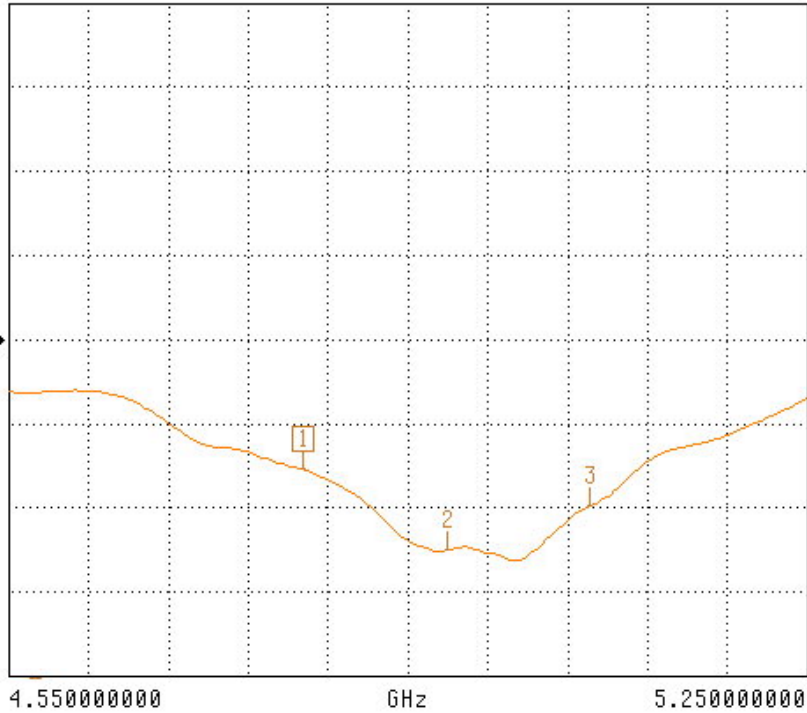
## for 4.8~5.0GHz

Version 1

### 1PG-4918

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
4.800000000 GHz  
-15.492 dB

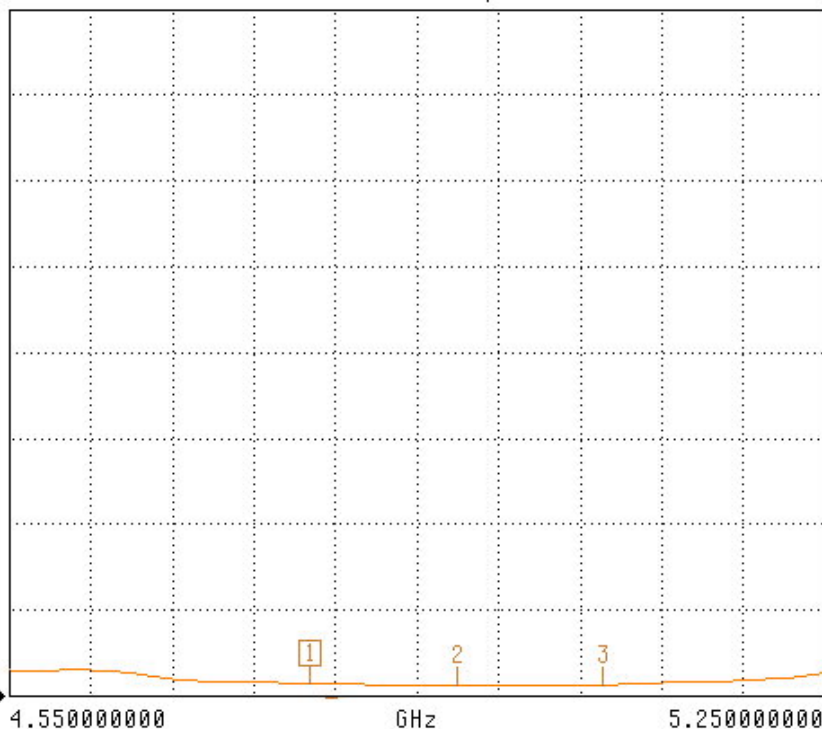
MARKER TO MAX  
MARKER TO MIN

- 2 4.900000000 GHz  
-25.097 dB
- 3 5.000000000 GHz  
-19.790 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  
1.404 U

MARKER TO MAX  
MARKER TO MIN

- 2 4.900000000 GHz  
1.118 U
- 3 5.000000000 GHz  
1.228 U

MARKER READOUT  
FUNCTIONS

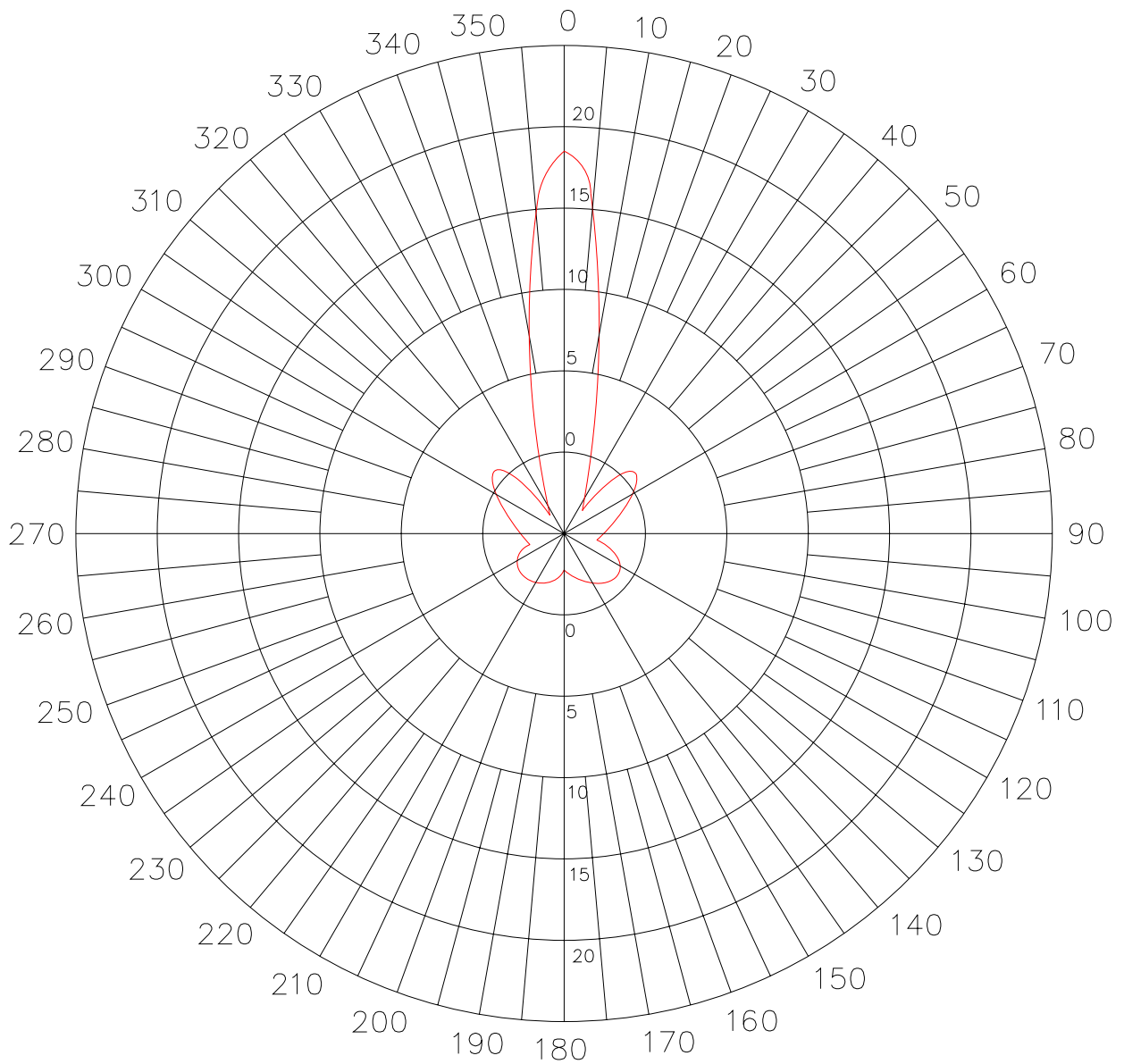
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## H-PLANE FIELD PATTERNS



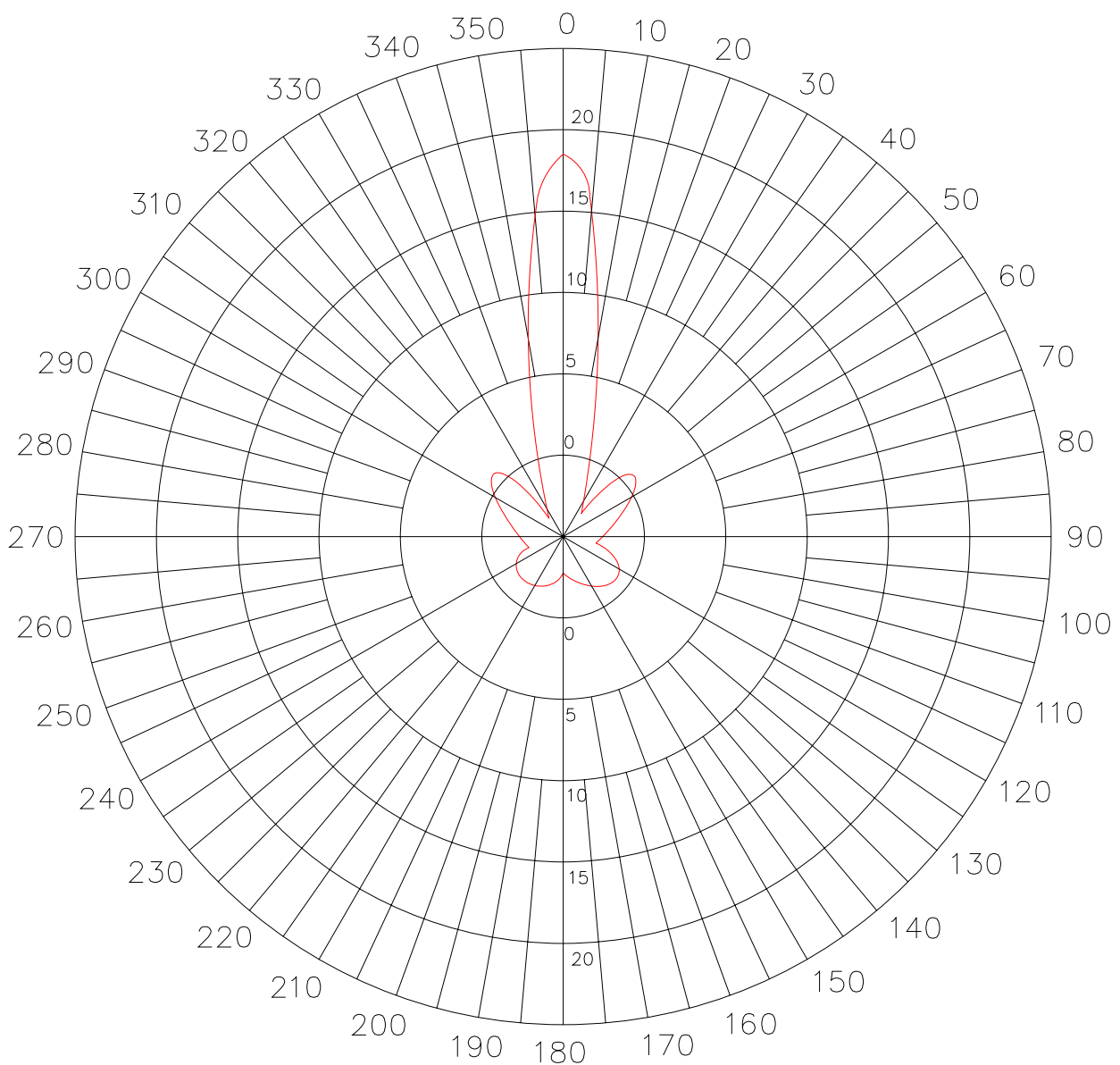
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1PG-4918

## E-PLANE FIELD PATTERNS



# Directional Panel Antenna

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for 4.8~5.0GHz

Version 1

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1PG-4918

