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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1PG-51818**

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 5.1 ~ 5.9GHz

Version 1

1PG-51818

## Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1PG-51818
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	263 x 263 x 48mm
Weight	1.68Kg
Radome color	Gray-white
Radome material	PC and ABS

# Directional Panel Antenna

## for 5.1~5.9GHz

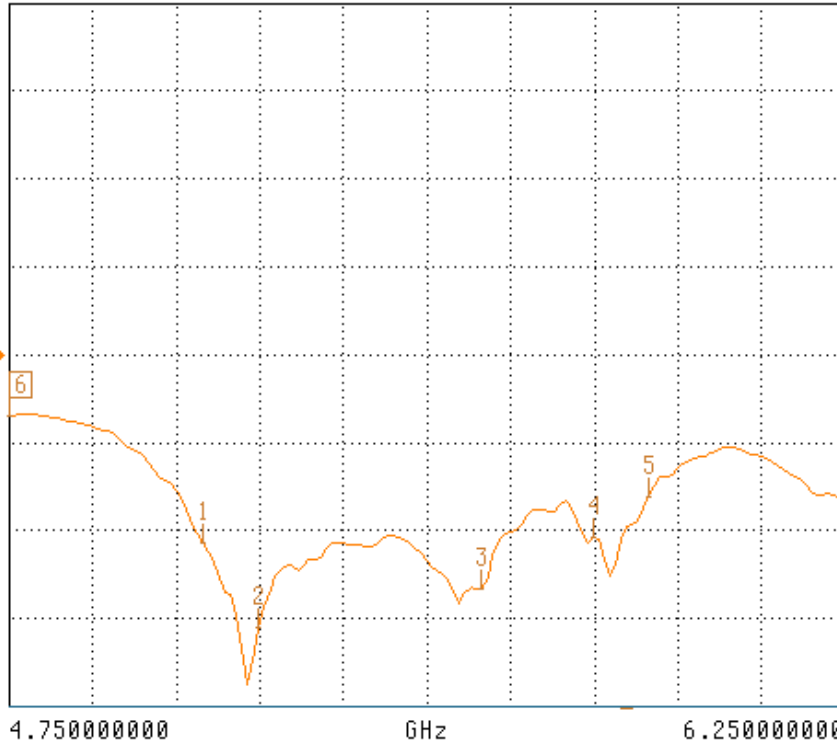
Version 1

### 1PG-51818

CH1: S11 FWD REFL  
LOG MAGNITUDE  
REF=0.000 dB  
10.000 dB/DIV

CH3: S21 FWD TRANS  
LOG MAGNITUDE  
REF=0.000 dB  
10.000 dB/DIV

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm



MARKER 6  
4.750000000 GHz  
-7.074 dB

MARKER TO MAX  
MARKER TO MIN

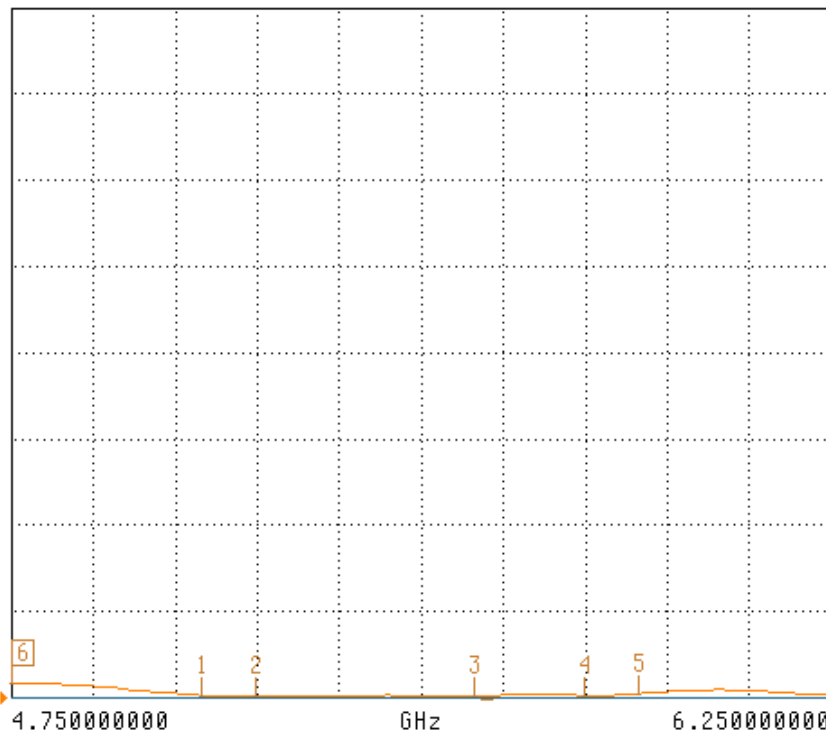
- 1 5.100000000 GHz  
-21.437 dB
- 2 5.200000000 GHz  
-31.188 dB
- 3 5.600000000 GHz  
-26.768 dB
- 4 5.800000000 GHz  
-20.832 dB
- 5 5.900000000 GHz  
-16.136 dB

MARKER READOUT  
FUNCTIONS

CH1: S11 FWD REFL  
SWR  
REF=1.000 U  
10.000 U/DIV

CH3: S21 FWD TRANS  
LOG MAGNITUDE  
REF=0.000 dB  
10.000 dB/DIV

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm



MARKER 6  
4.750000000 GHz  
2.603 U

MARKER TO MAX  
MARKER TO MIN

- 1 5.100000000 GHz  
1.197 U
- 2 5.200000000 GHz  
1.052 U
- 3 5.600000000 GHz  
1.095 U
- 4 5.800000000 GHz  
1.205 U
- 5 5.900000000 GHz  
1.369 U

MARKER READOUT  
FUNCTIONS

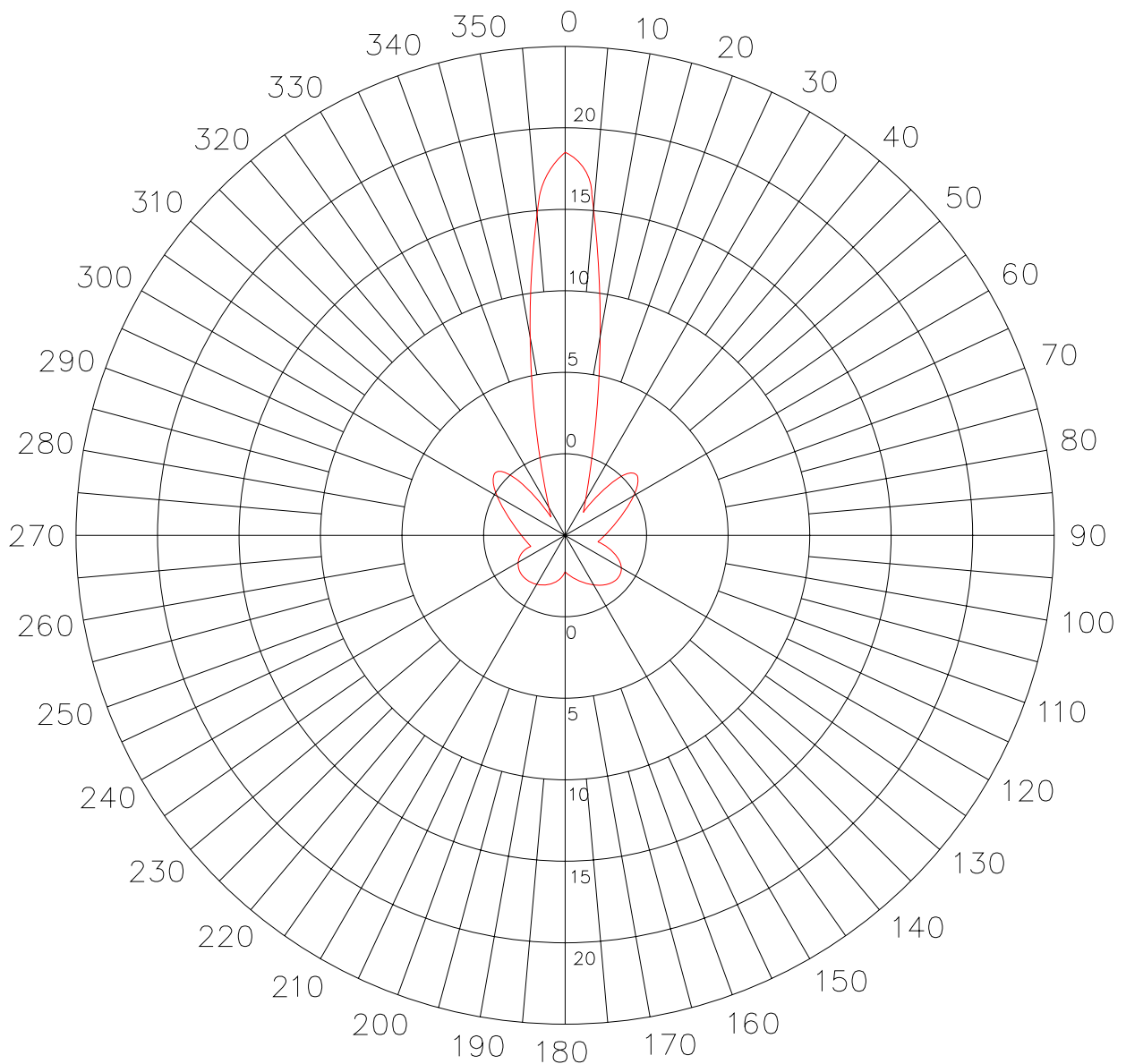
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Version 1

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## H-PLANE FIELD PATTERNS



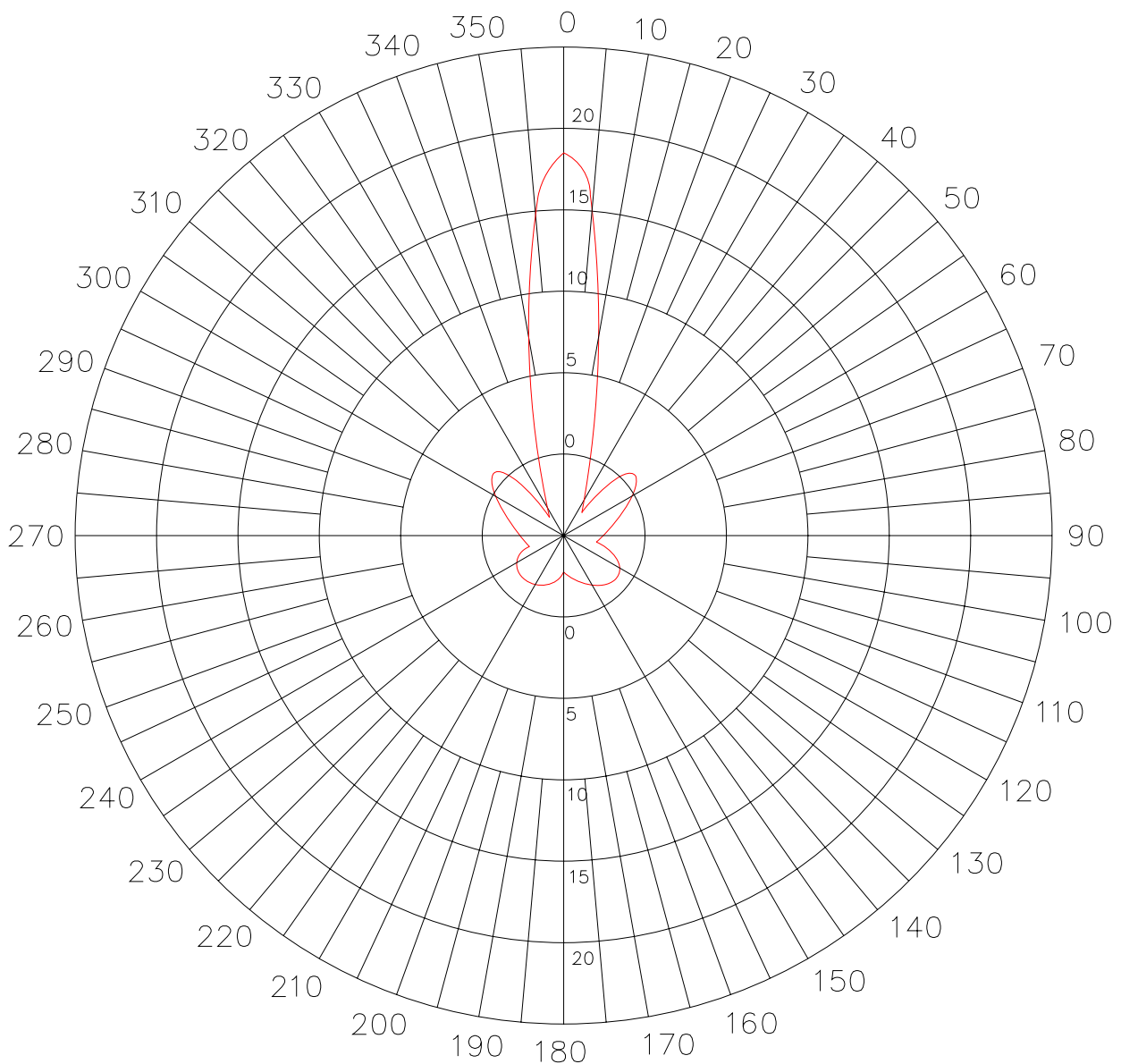
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## E-PLANE FIELD PATTERNS



# Directional Panel Antenna

for 5.1 ~ 5.9GHz

Version 1

1PG-51818

