



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

NO. 23-2, HUNGMAU, HSIN-FENG VILLAGE, SHING-FENG SHIANG, HSIN-CHU, TAIWAN, R.O.C.

TEL:+886-3-5687918

FAX:+886-3-5686953

E-mail: service@ep.com.tw

<http://www.ep.com.tw>

承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1GP-51809**

Date: **2008-08-11**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Evertime Communications Co., Ltd.

Omni Directional Antenna

for 5.1~5.9GHz

Version 1

1GP-51809

Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1GP-51809
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	9 dBi
Power handling	10W Max
Front to back ratio	N/A
HPBW / horizontal	360°
HPBW / vertical	6°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	$\varphi 35 \times 420\text{mm}$
Weight	410g
Radome color	white
Radome material	glass fiber

Omni Directional Antenna

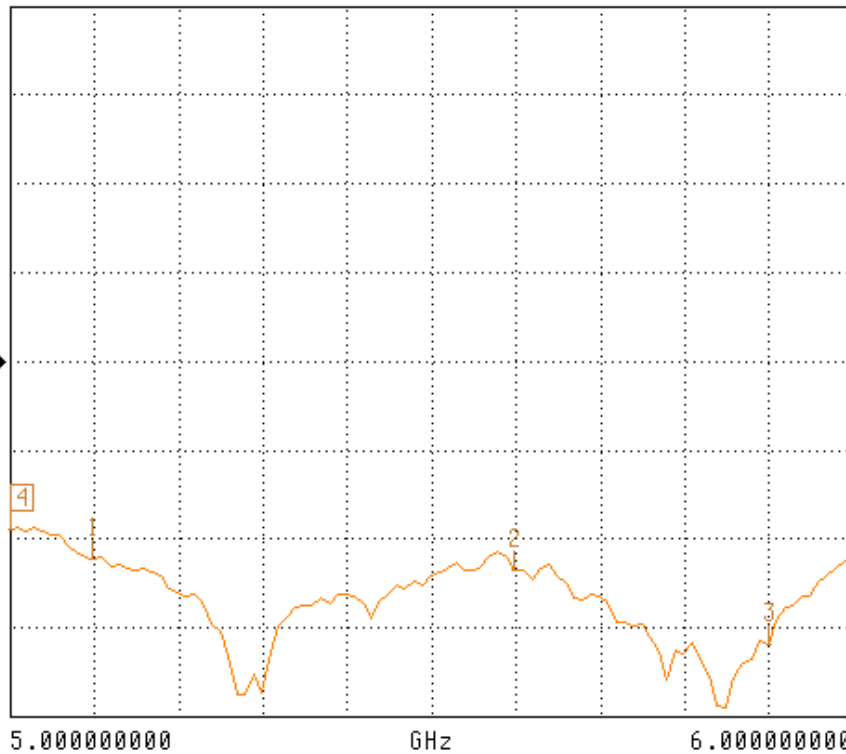
for 5.1~5.9GHz

Version 1

1GP-51809

S11 FORWARD REFLECTION

LOG MAGNITUDE ▶REF=0.000 dB 10.000 dB/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

▶MARKER 4
5.000000000 GHz
-18.892 dB

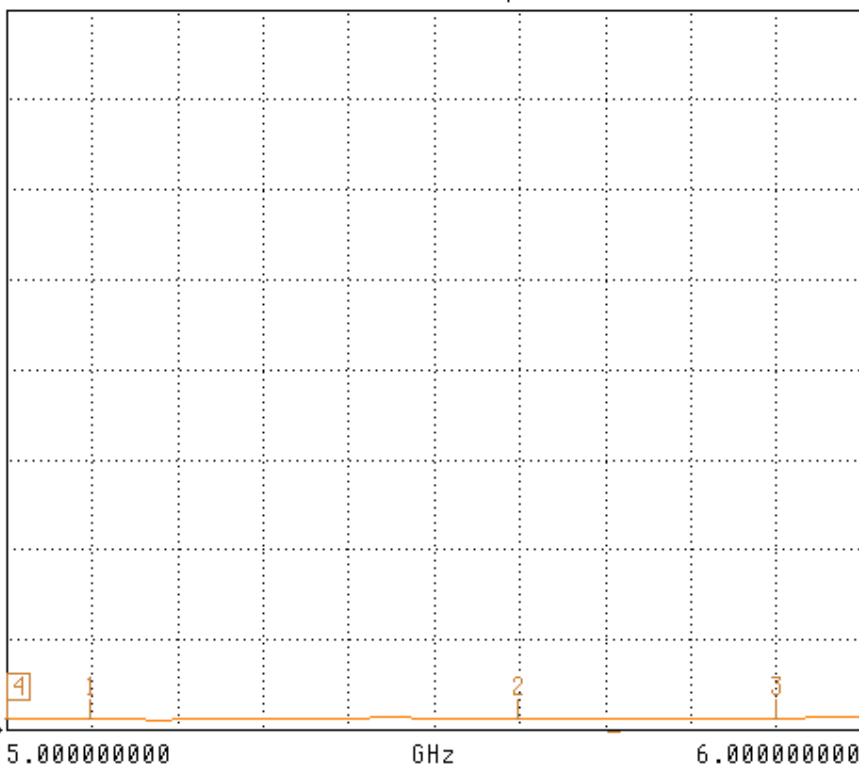
MARKER TO MAX
MARKER TO MIN

- 1 5.100000000 GHz
-22.226 dB
- 2 5.600000000 GHz
-23.600 dB
- 3 5.900000000 GHz
-32.009 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
5.000000000 GHz
1.157 U

MARKER TO MAX
MARKER TO MIN

- 1 5.100000000 GHz
1.173 U
- 2 5.600000000 GHz
1.150 U
- 3 5.900000000 GHz
1.196 U

MARKER READOUT
FUNCTIONS

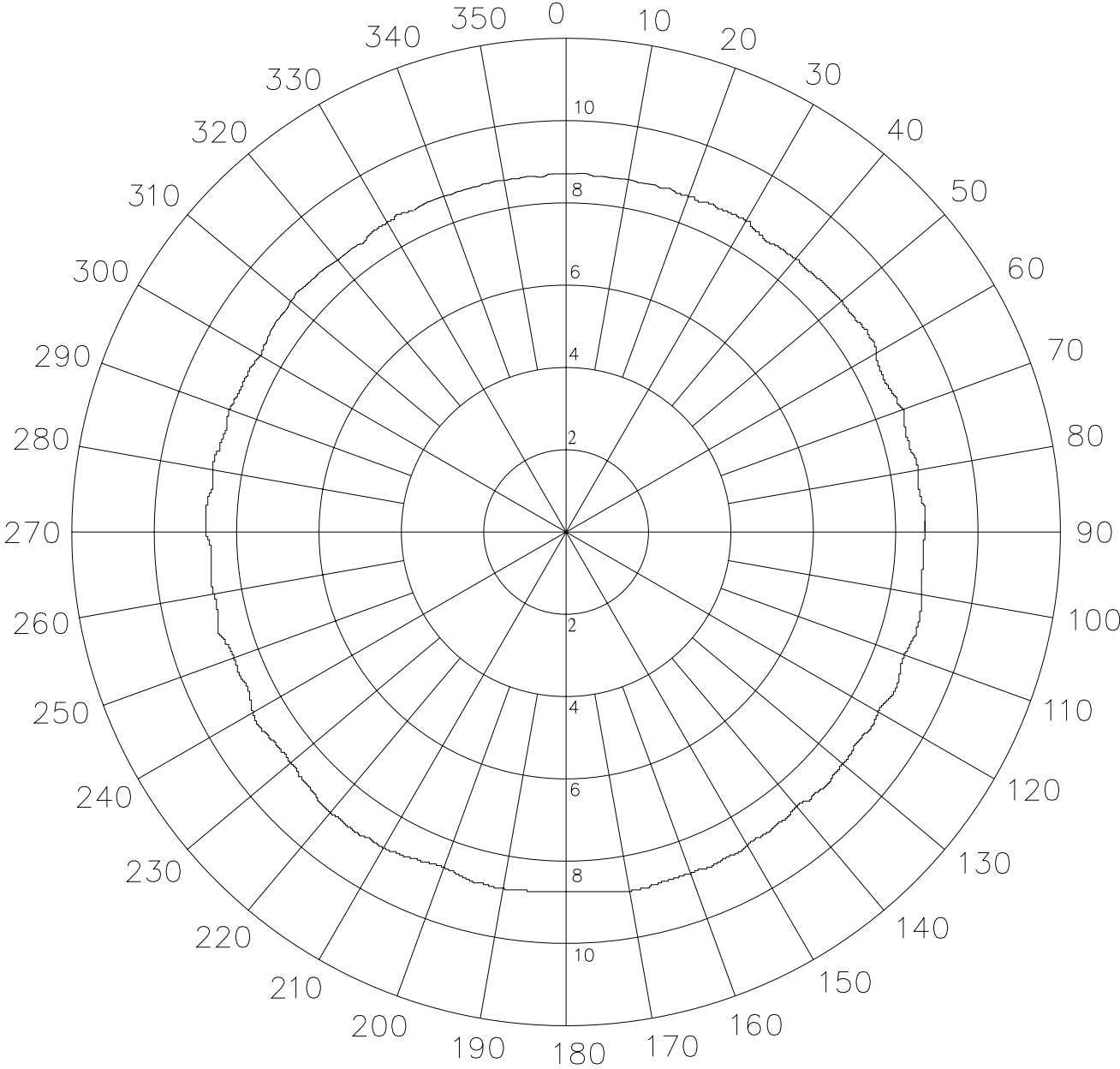
Omni Directional Antenna

for 5.1~5.9GHz

Version 1

1GP-51809

H-PLANE FIELD PATTERNS



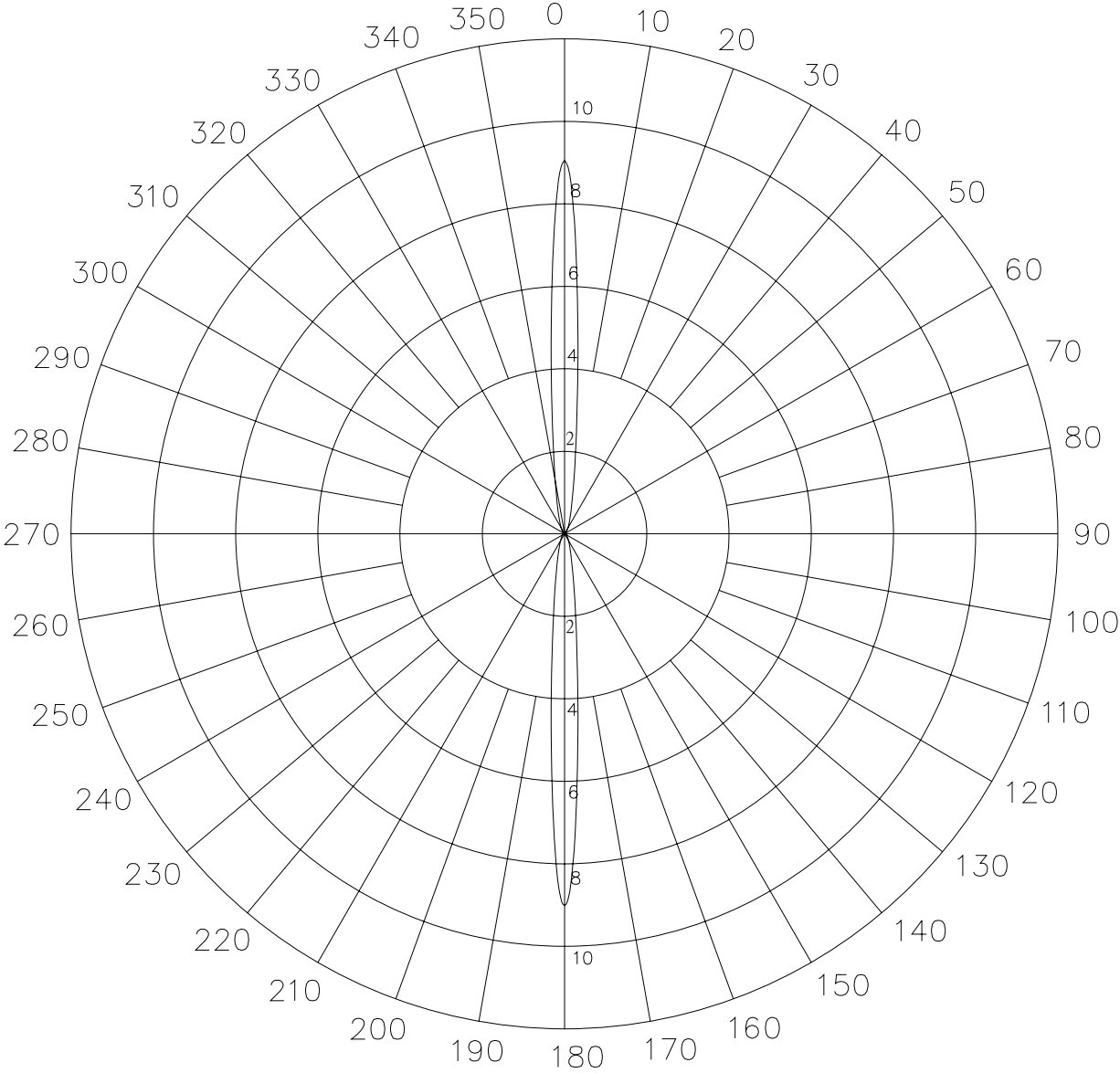
Omni Directional Antenna

for 5.1 ~ 5.9GHz

Version 1

1GP-51809

E-PLANE FIELD PATTERNS



Omni Directional Antenna

for 5.1 ~ 5.9GHz

Version 1

1GP-51809

