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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11b/g Omni Directional Antenna**

Part Number: **1GP-23709**

Date: **2009-03-05**

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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.

# Omni Directional Antenna

for 2.3~2.7GHz

Version 1

1GP-23709

## Electrical Specification:

Frequency	2.3~2.7GHz
Part Number	1GP-23709
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	9 dBi
Power handling	15W Max
Front to back ratio	N/A
HPBW / horizontal	360°
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	900 mm
Weight	910g
Radome color	white
Radome material	glass fiber

# Omni Directional Antenna

## for 2.3~2.7GHz

Version 1

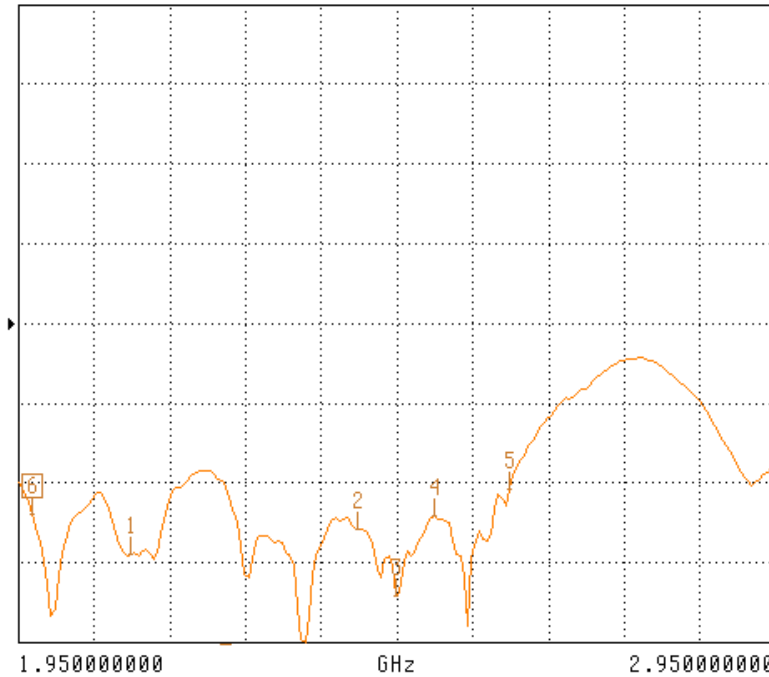
### 1GP-23709

S11 FORWARD REFLECTION

LOG MAGNITUDE

REF=0.000 dB

10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 6  
1.970000000 GHz  
-23.901 dB

MARKER TO MAX  
MARKER TO MIN

- |   |                 |            |
|---|-----------------|------------|
| 1 | 2.100000000 GHz | -29.028 dB |
| 2 | 2.400000000 GHz | -25.910 dB |
| 3 | 2.450000000 GHz | -34.302 dB |
| 4 | 2.500000000 GHz | -24.285 dB |
| 5 | 2.600000000 GHz | -20.942 dB |

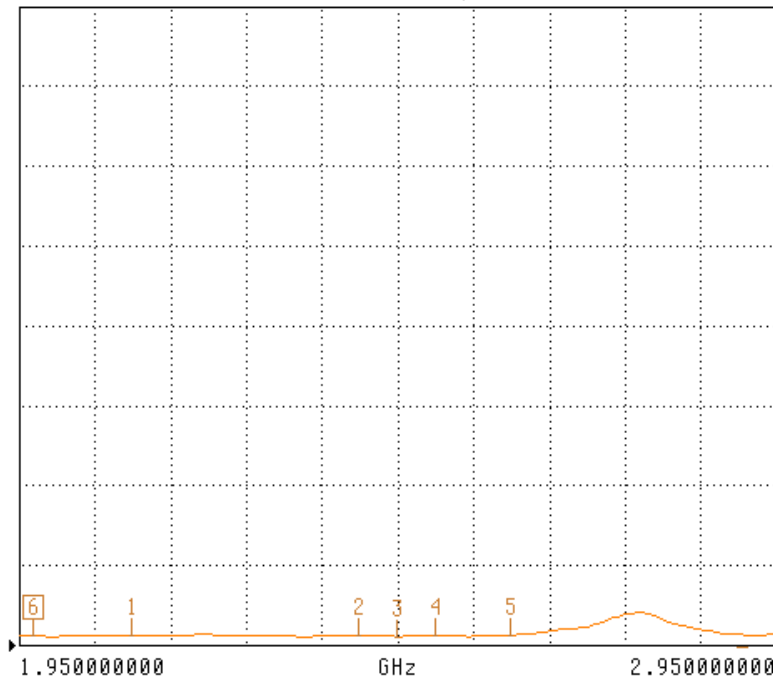
MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR

REF=0.000 pU

10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 6  
1.970000000 GHz  
1.141 U

MARKER TO MAX  
MARKER TO MIN

- |   |                 |         |
|---|-----------------|---------|
| 1 | 2.100000000 GHz | 1.073 U |
| 2 | 2.400000000 GHz | 1.110 U |
| 3 | 2.450000000 GHz | 1.039 U |
| 4 | 2.500000000 GHz | 1.132 U |
| 5 | 2.600000000 GHz | 1.198 U |

MARKER READOUT  
FUNCTIONS

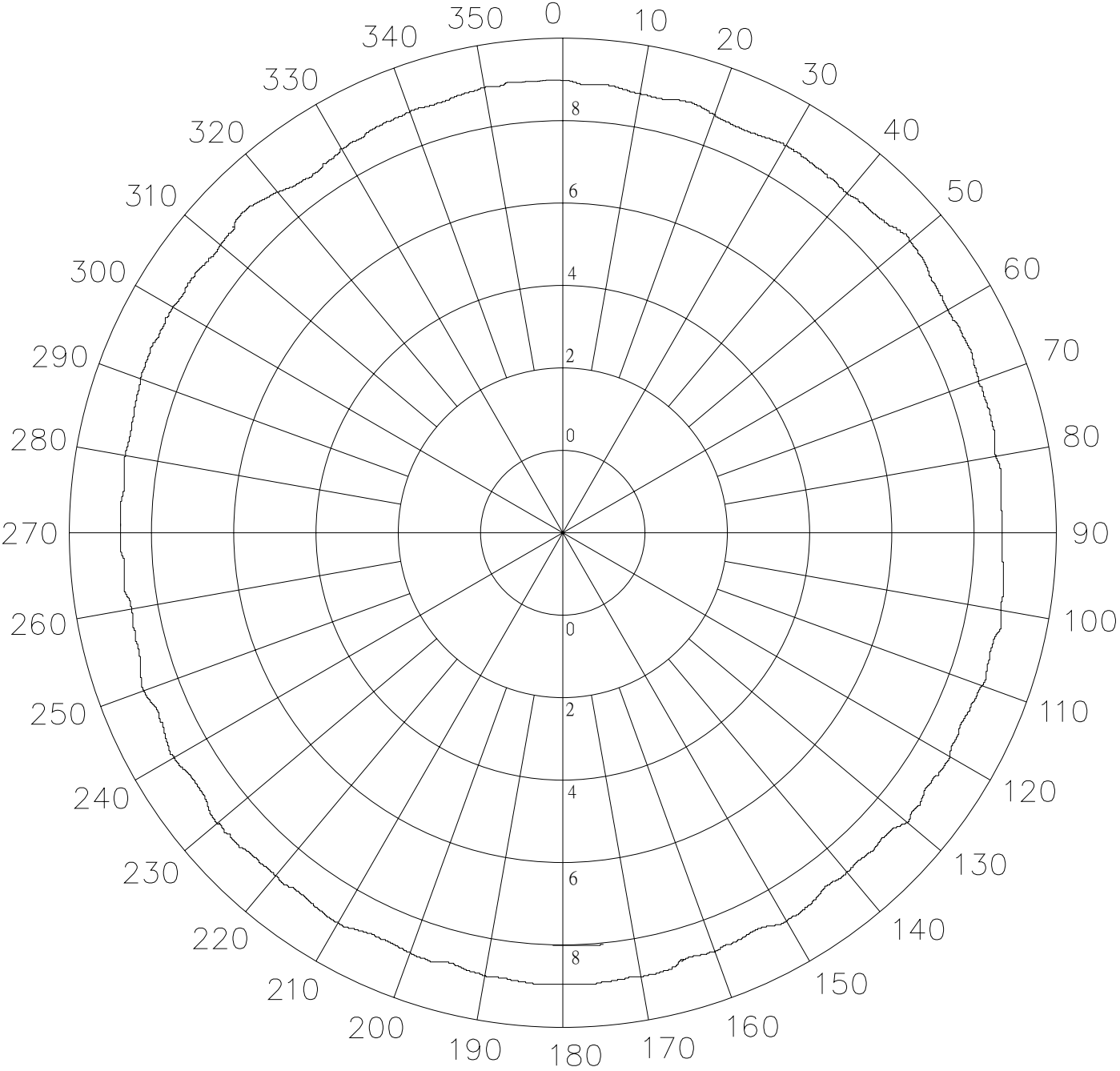
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## H-PLANE FIELD PATTERNS



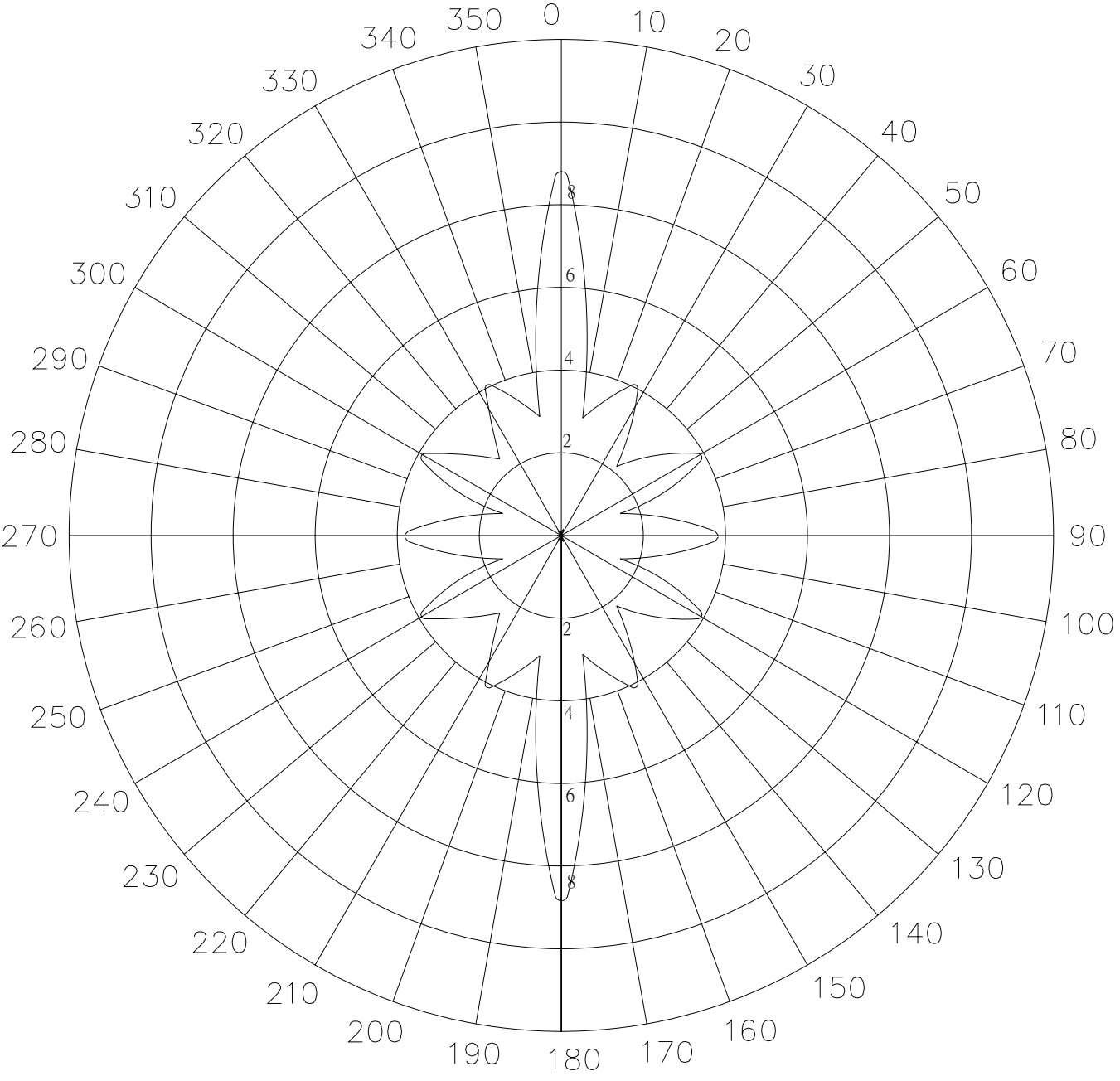
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## E-PLANE FIELD PATTERNS



# Omni Directional Antenna

for 2.3~2.7GHz

Version 1

1GP-23709

