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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1GP-2609**

Date: **2008-07-31**

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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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# Omni Directional Antenna

for 2.5~2.7GHz

Version 1

1GP-2609

## Electrical Specification:

Frequency	2.5~2.7GHz
Part Number	1GP-2609
Polarization	Linear
V.S.W.R.	1 : 1.5 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 Male
Length	$\Phi 23$ x 400mm
Weight	170g
Radome color	white
Radome material	glass fiber

# Omni Directional Antenna

## for 2.5~2.7GHz

Version 1

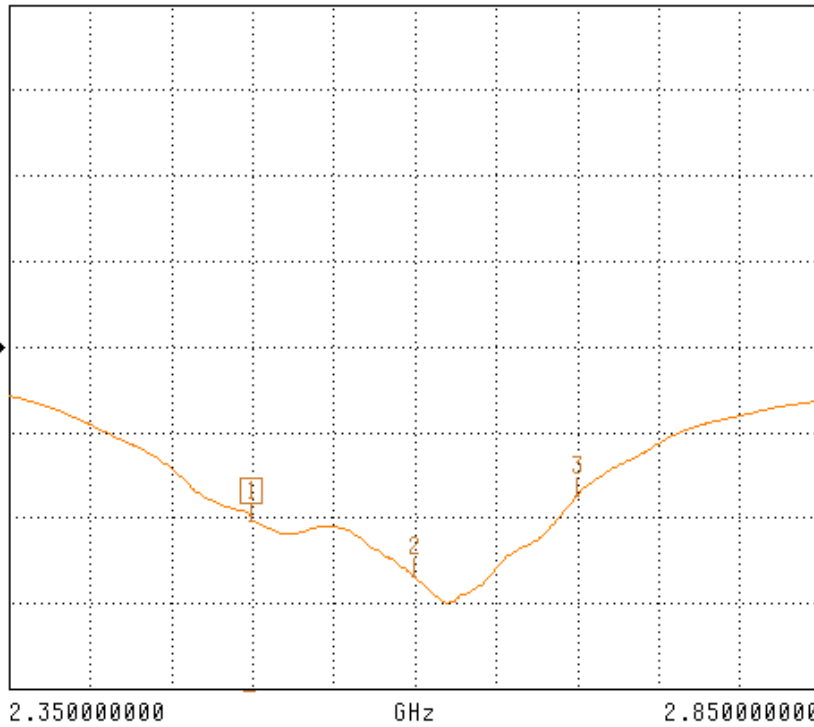
### 1GP-2609

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

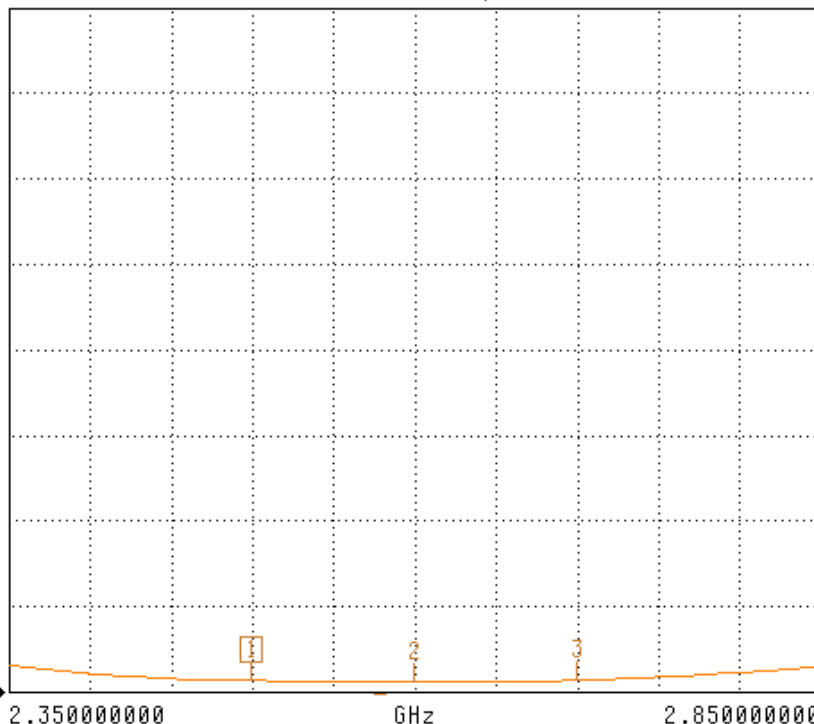
MARKER READOUT  
FUNCTIONS

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

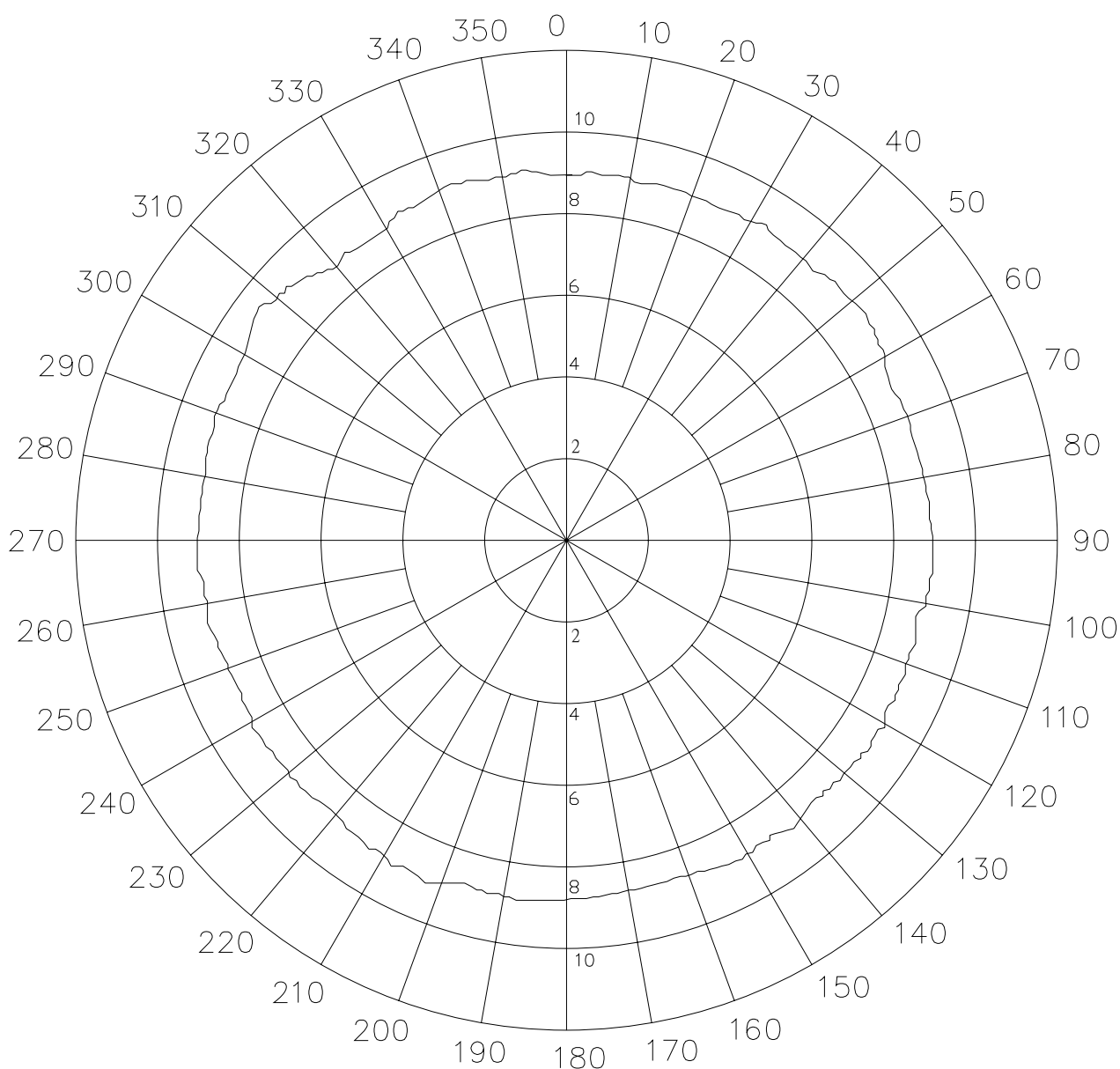
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## H-PLANE FIELD PATTERNS



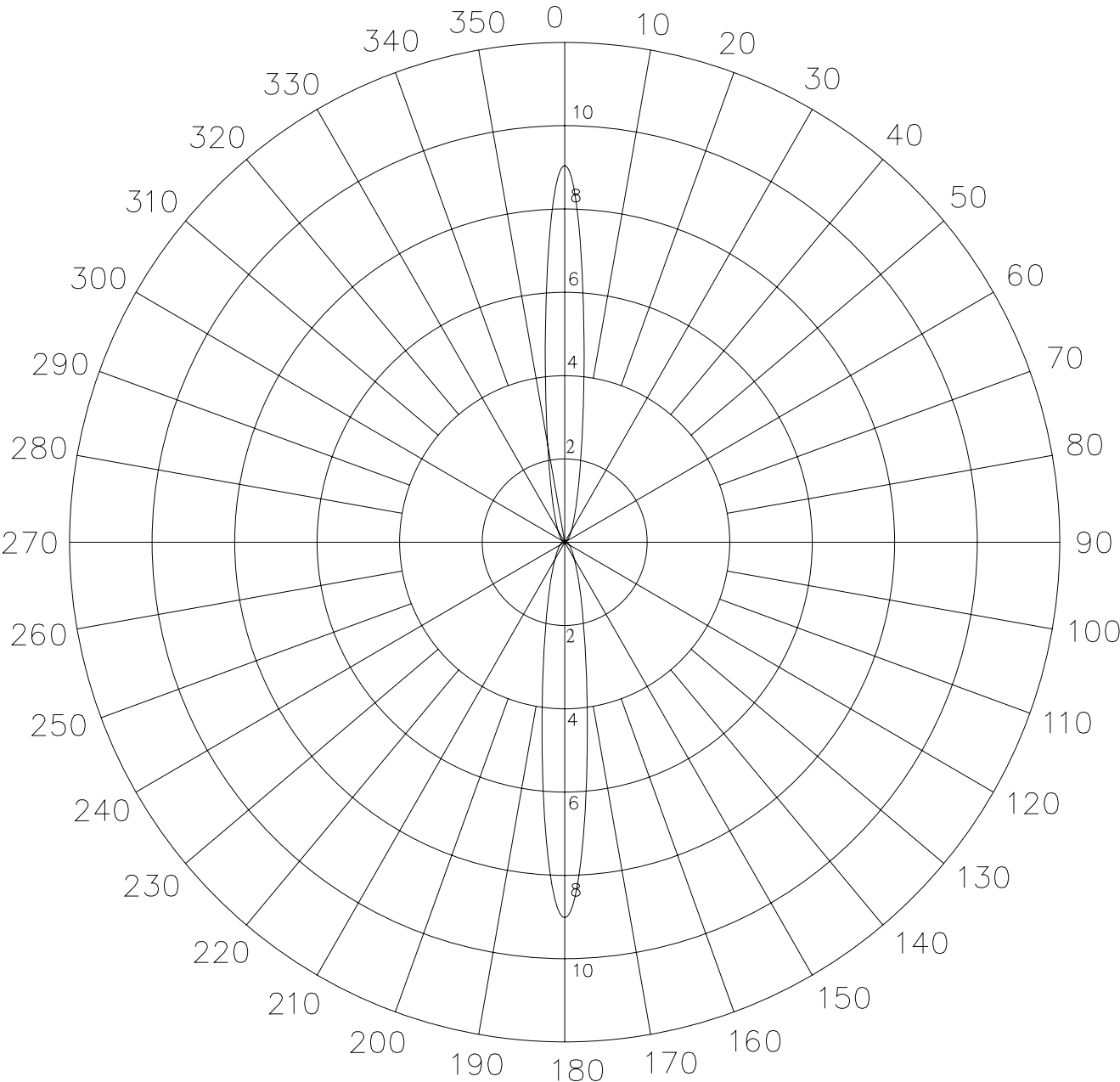
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## E-PLANE FIELD PATTERNS



# Omni Directional Antenna

for 2.5~2.7GHz

Version 1

1GP-2609

