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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1GP-33809**

Date: **2008-05-12**

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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 3.3~3.8GHz

Version 1

1GP-33809

## Electrical Specification:

Frequency	3.3~3.8GHz
Part Number	1GP-33809
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	9 dBi
Power handling	20W 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	$\varphi 35 \times 420\text{mm}$
Weight	420g
Radome color	white
Radome material	glass fiber

# Omni Directional Antenna

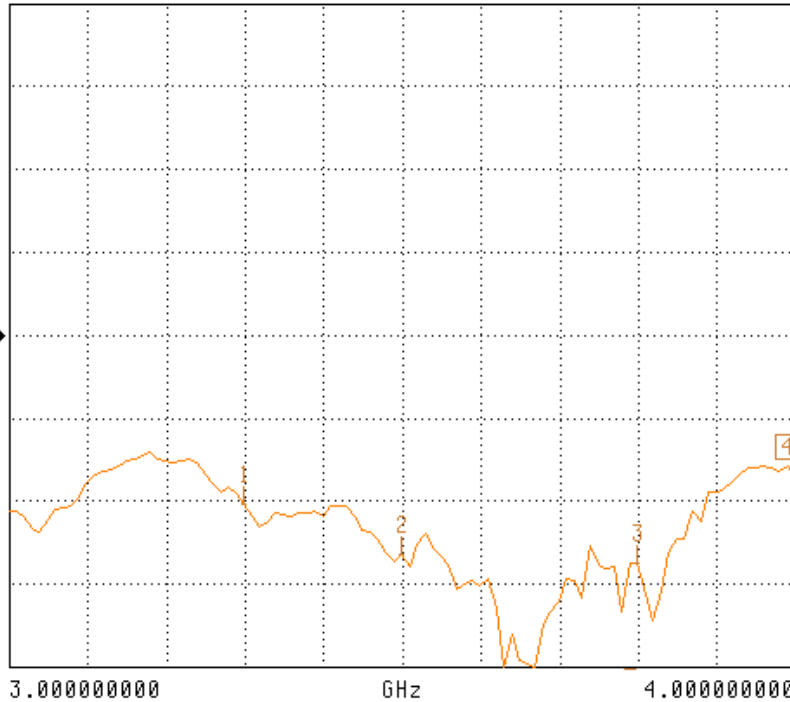
## for 3.3~3.8GHz

Version 1

### 1GP-33809

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
4.000000000 GHz  
-17.161 dB

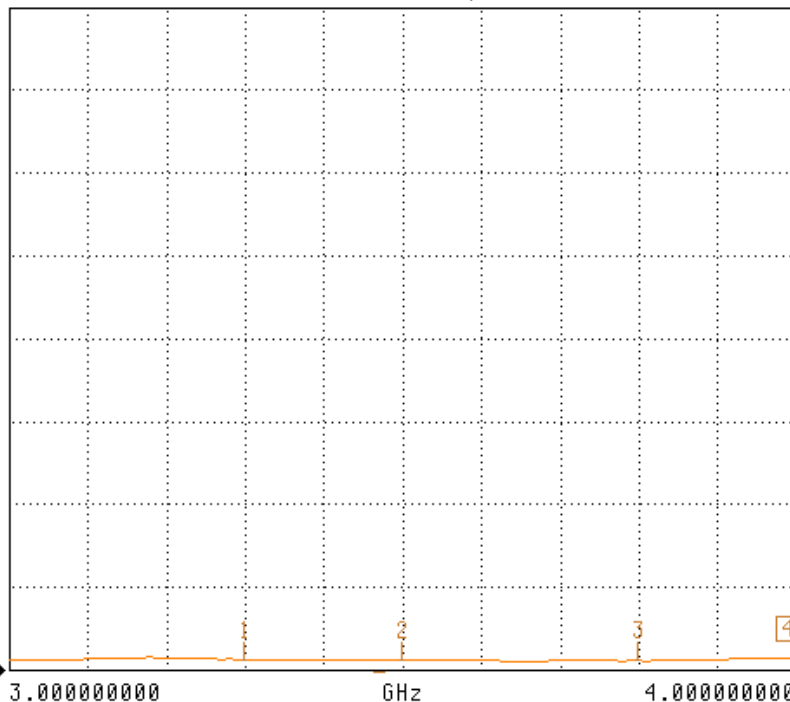
MARKER TO MAX  
MARKER TO MIN

- 1 3.300000000 GHz  
-20.508 dB
- 2 3.500000000 GHz  
-26.527 dB
- 3 3.800000000 GHz  
-27.466 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  
4.000000000 GHz  
1.325 U

MARKER TO MAX  
MARKER TO MIN

- 1 3.300000000 GHz  
1.220 U
- 2 3.500000000 GHz  
1.085 U
- 3 3.800000000 GHz  
1.075 U

MARKER READOUT  
FUNCTIONS

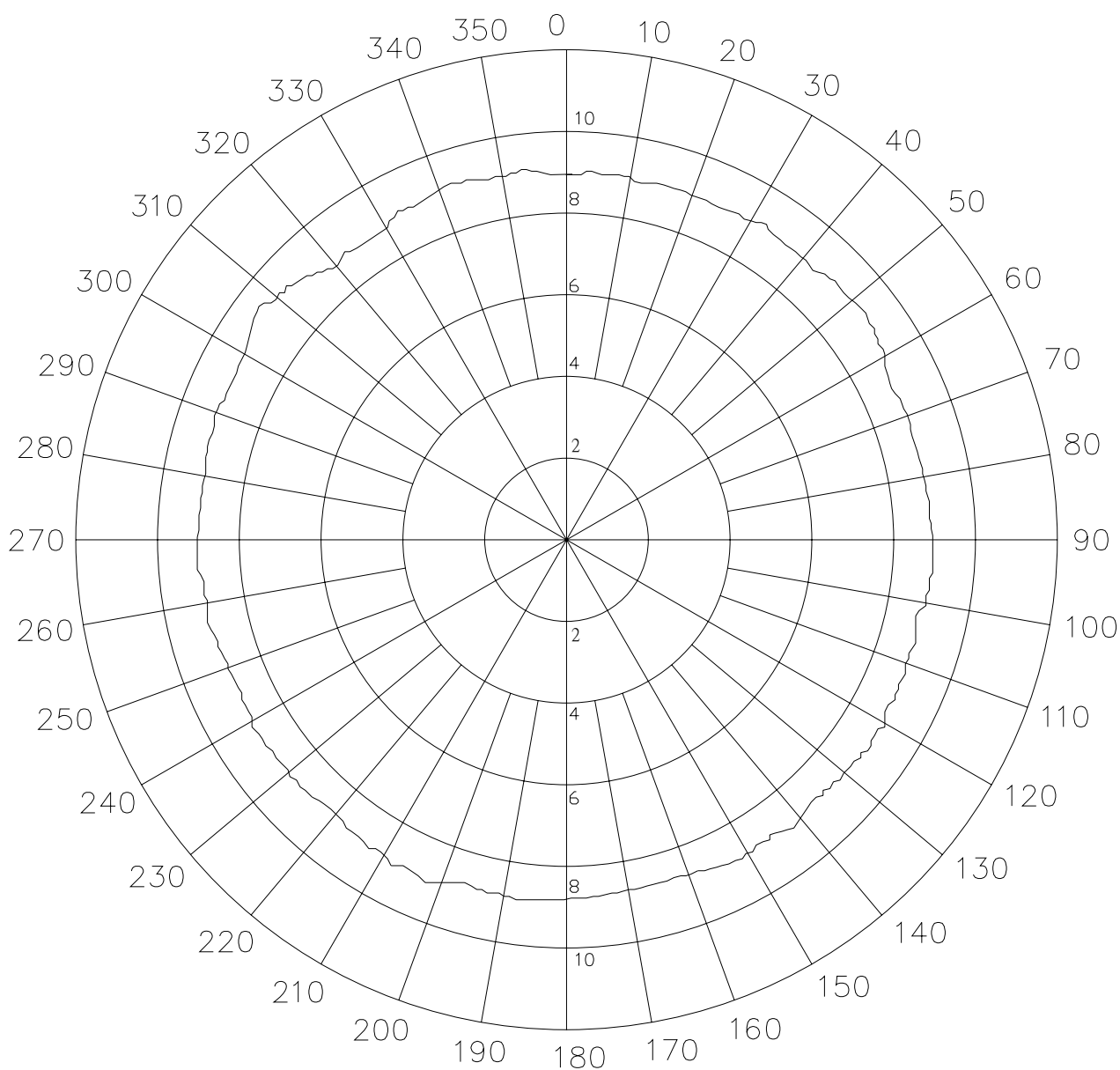
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## H-PLANE FIELD PATTERNS



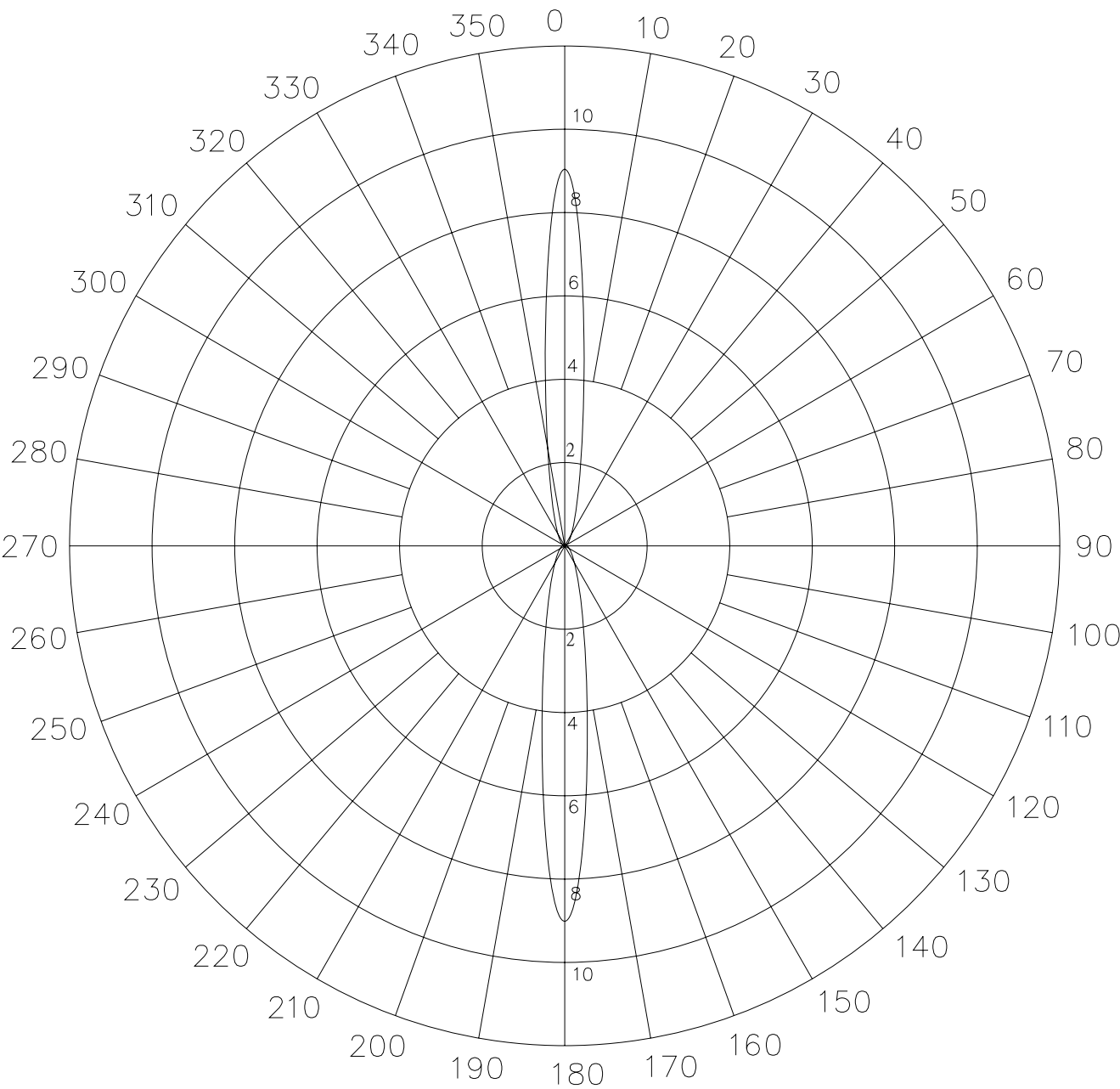
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## E-PLANE FIELD PATTERNS



# Omni Directional Antenna

for 3.3~3.8GHz

Version 1

1GP-33809

