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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**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

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

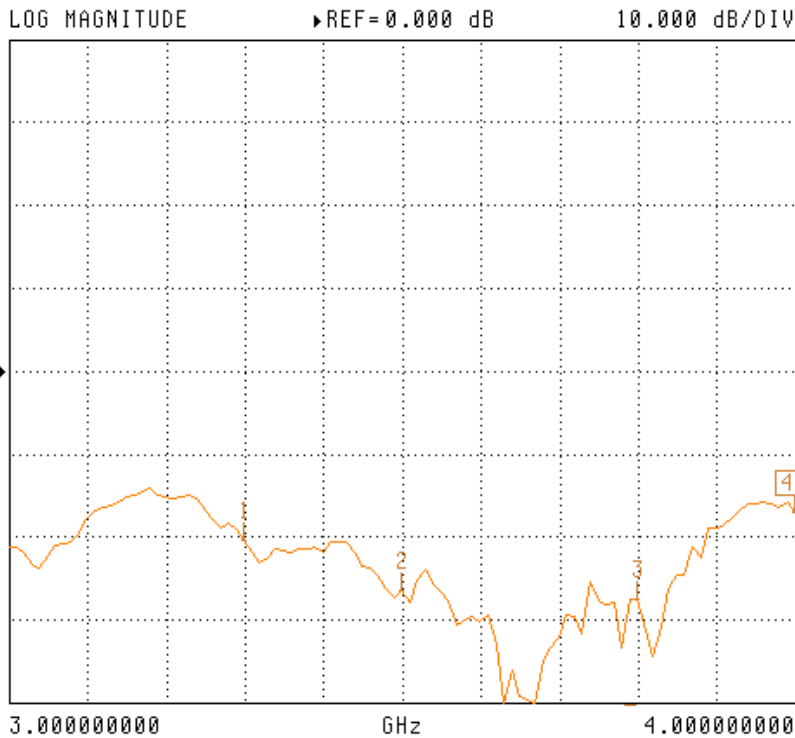
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S11 FORWARD REFLECTION



CH 1 - S11
REFERENCE PLANE
0.0000 mm

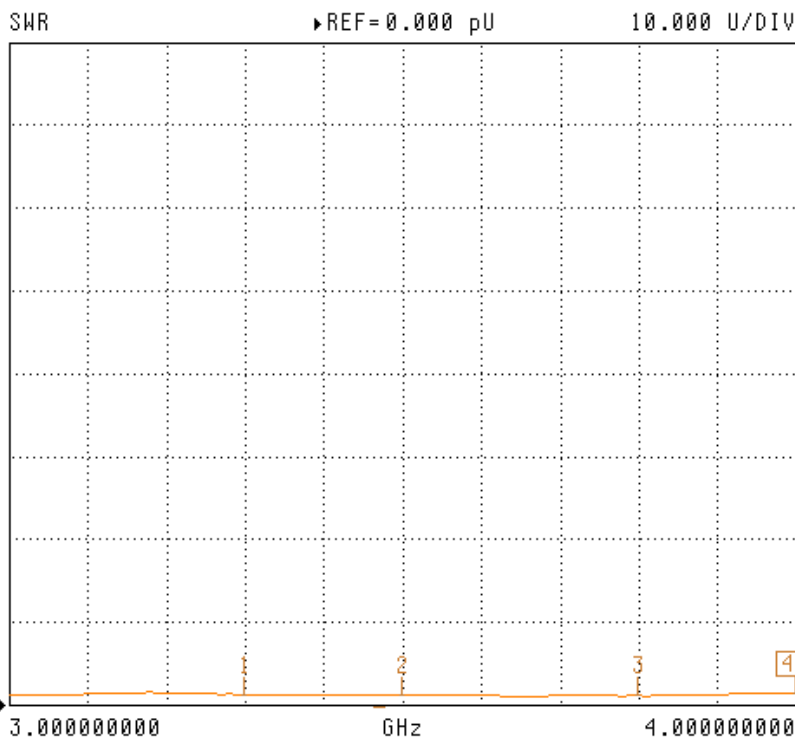
MARKER 4
4.000000000 GHz
-17.161 dB

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



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

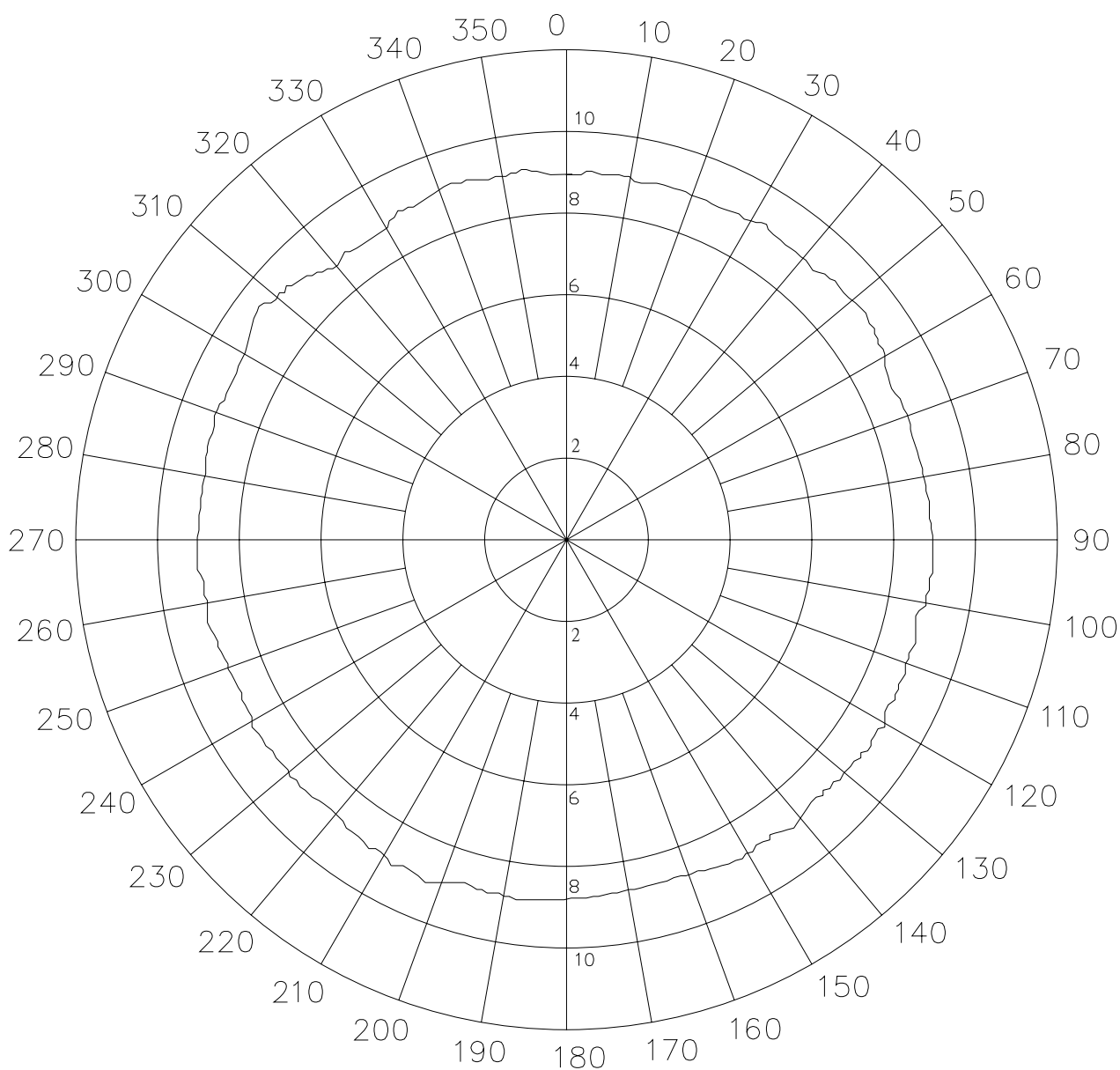
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H-PLANE FIELD PATTERNS



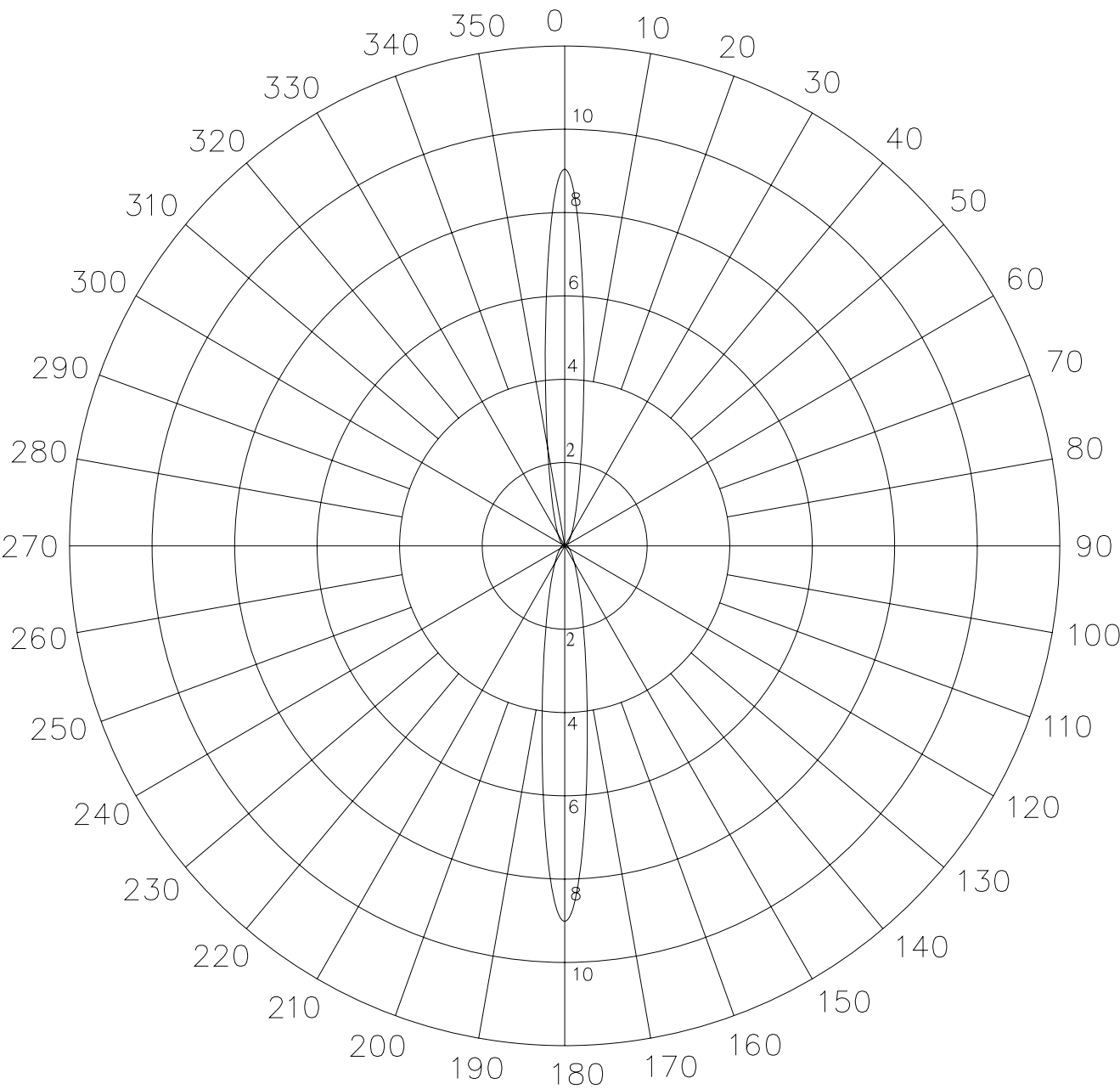
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E-PLANE FIELD PATTERNS



Omni Directional Antenna

for 3.3~3.8GHz

Version 1

1GP-33809

