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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11n Directional MIMO Panel Antenna**

Part Number: **1PGM-33812-1**

Date: **2009-02-26**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Directional MIMO Panel Antenna

for 3.3~3.8GHz

Version 1

1PGM-33812-1

Electrical Specification:

Frequency	3.3~3.8GHz
Part Number	1PGM-33812-1
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	12 dBi
Power handling	15W Max
Front to back ratio	30dB
HPBW / horizontal	30°
HPBW / vertical	30°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female X3
Length	263*263*48mm
Weight	1310g
Radome color	Gray-white
Radome material	PC and ABS

Directional MIMO Panel Antenna

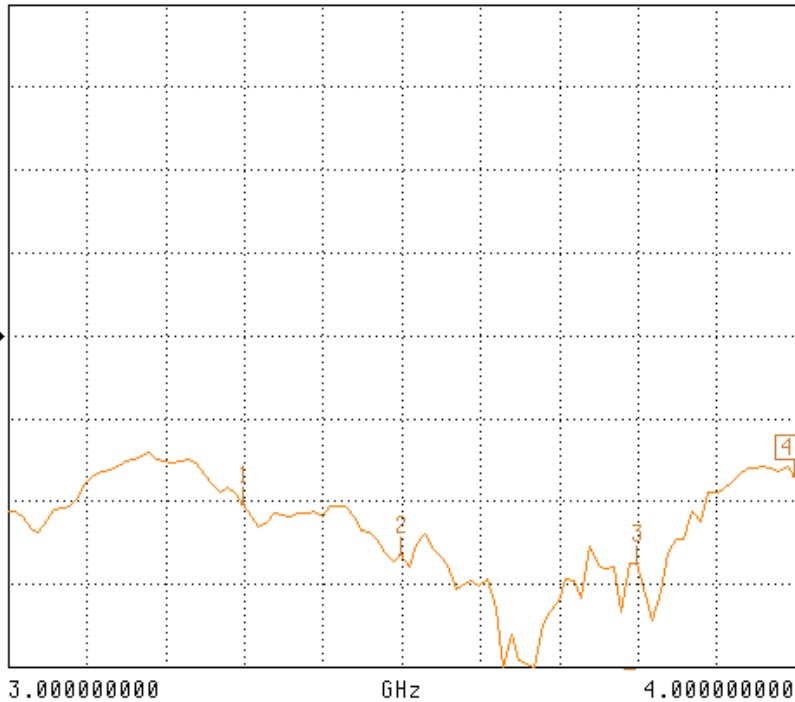
for 3.3~3.8GHz

Version 1

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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

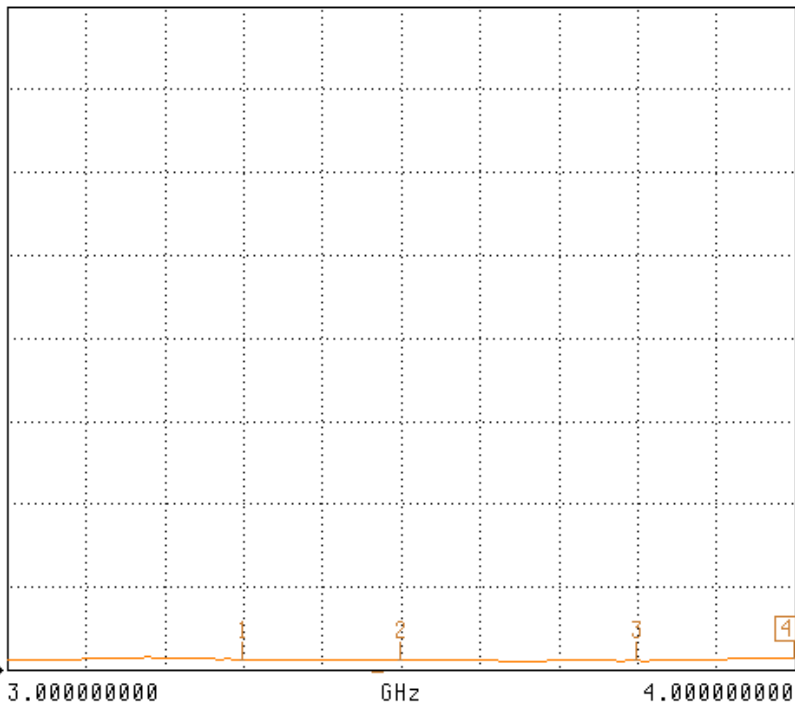
MARKER TO MAX
MARKER TO MIN

- 1 3.300000000 GHz
-20.500 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

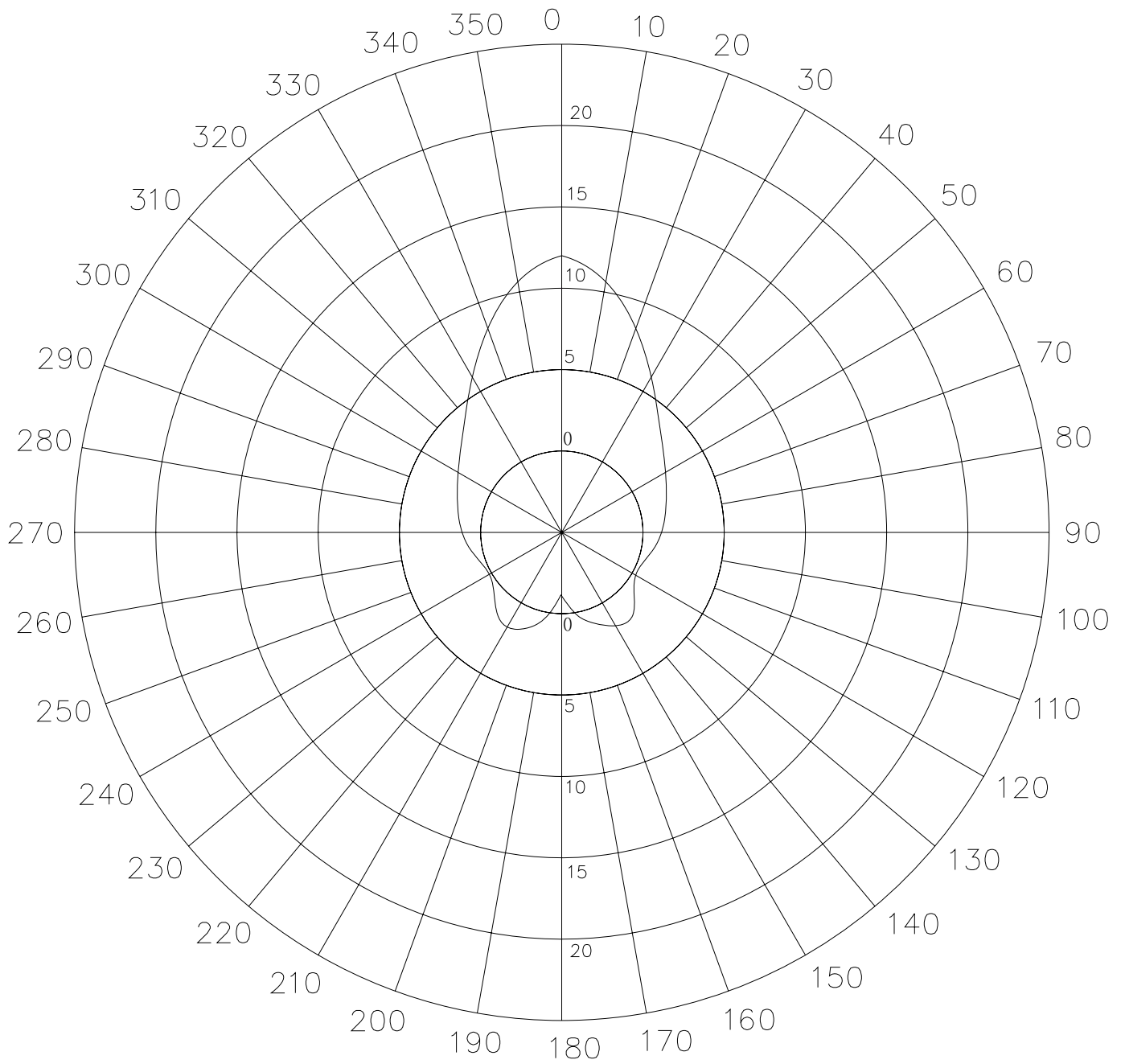
- 1 3.300000000 GHz
1.220 U
- 2 3.500000000 GHz
1.085 U
- 3 3.800000000 GHz
1.075 U

MARKER READOUT
FUNCTIONS

Directional MIMO Panel Antenna for 3.3~3.8GHz **Version 1**

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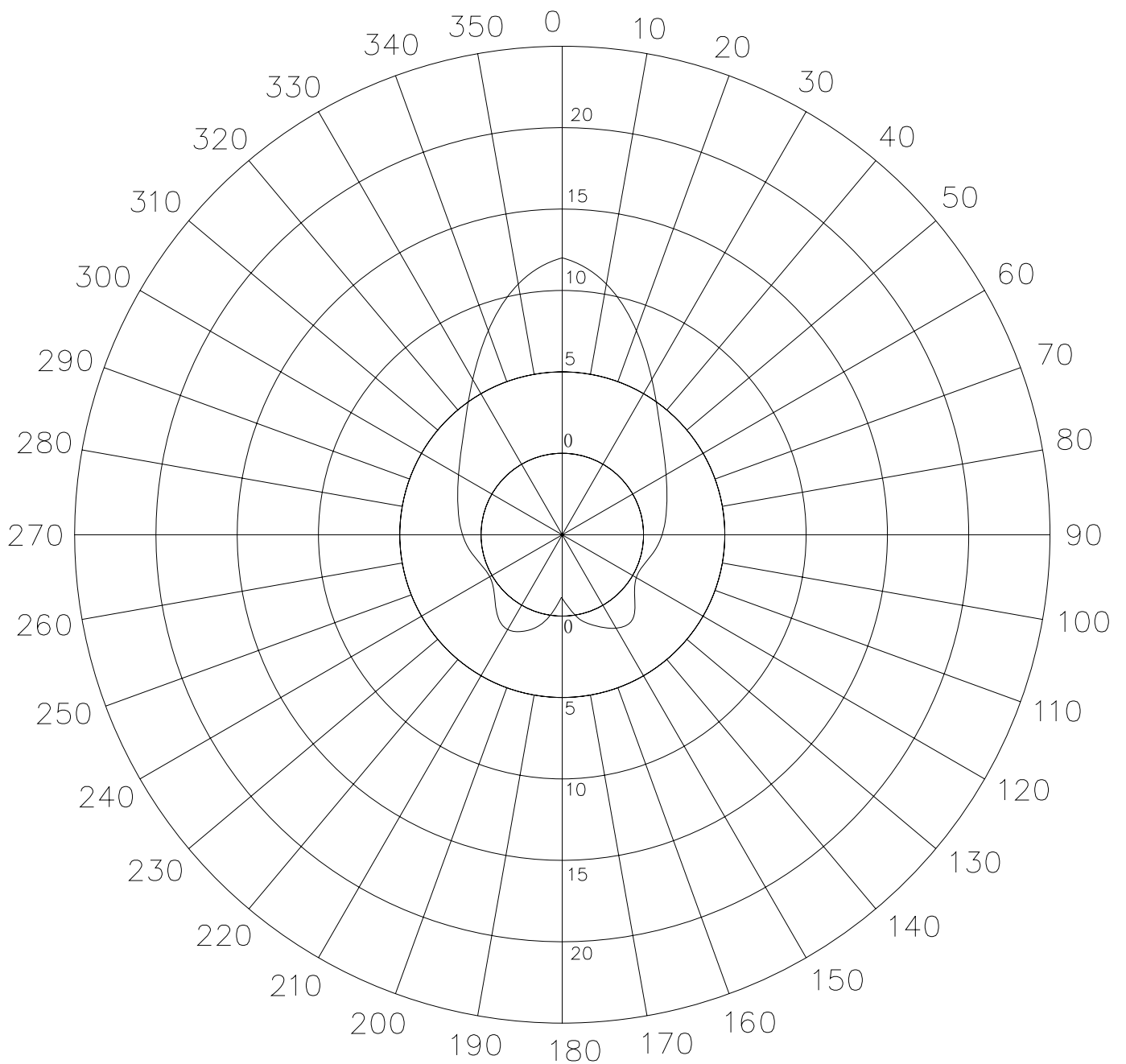
H-PLANE FIELD PATTERNS



Directional MIMO Panel Antenna for 3.3~3.8GHz **Version 1**

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E-PLANE FIELD PATTERNS

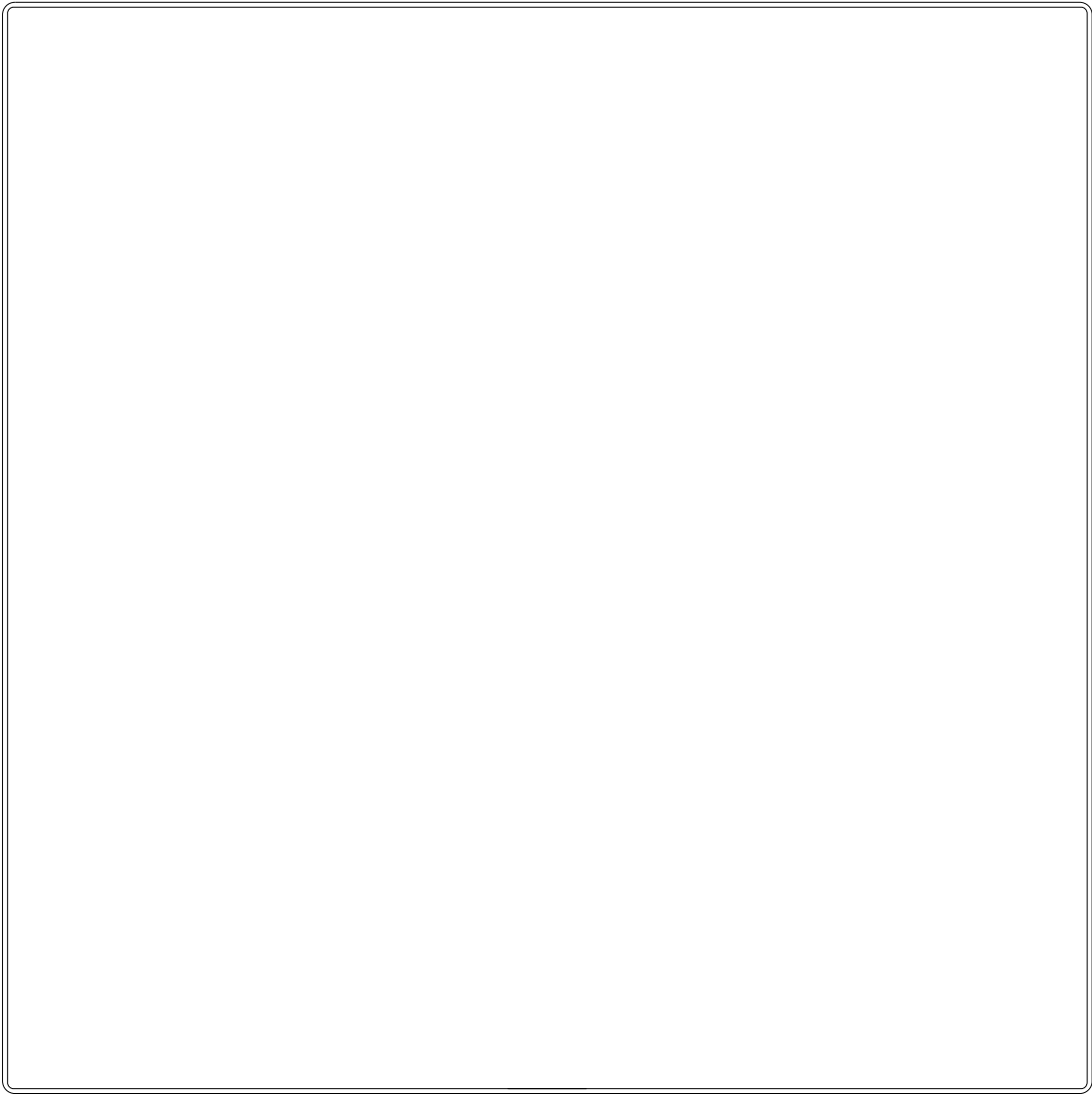
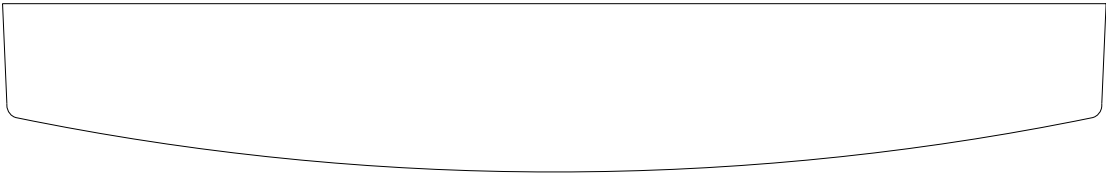


Directional MIMO Panel Antenna

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1PGM-33812-1



N
TYPE
FEMALE