



久 菘 科 技 股 份 有 限 公 司  
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承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

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

Part Number: **1PGM-2412**

Date: **2008-08-11**

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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.

# Directional MIMO Panel Antenna

## for 2.4~2.5GHz

Version 1

1PGM-2412

### Electrical Specification:

Frequency	2.4~2.5GHz
Part Number	1PGM-2412
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	270*205*15mm
Weight	1000g $\pm 10$
Radome color	Gray-white
Radome material	PC and ABS

# Directional MIMO Panel Antenna

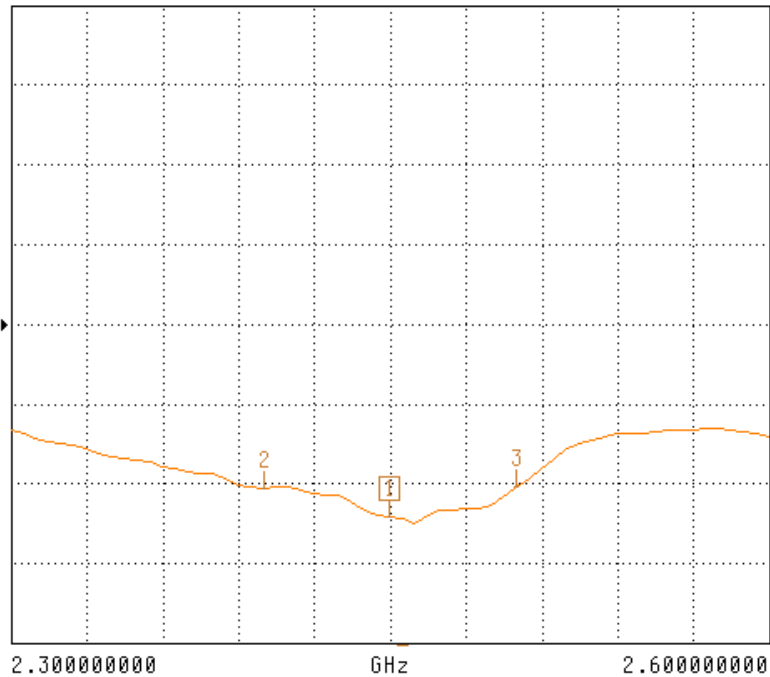
## for 2.4~2.5GHz

Version 1

### 1PGM-2412

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
2.450000000 GHz  
-24.549 dB

MARKER TO MAX  
MARKER TO MIN

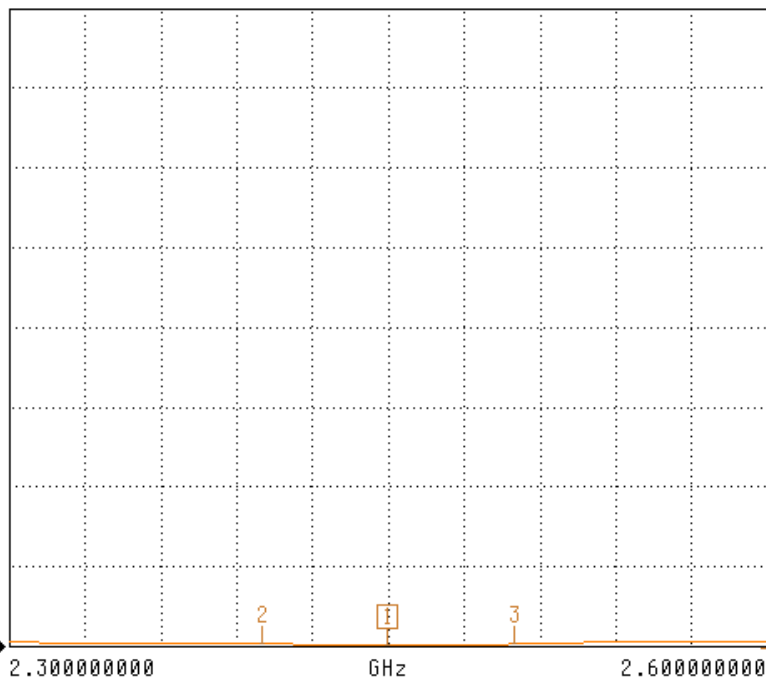
2 2.400000000 GHz  
-20.609 dB

3 2.500000000 GHz  
-20.380 dB

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=1.000 U      10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
2.450000000 GHz  
1.128 U

MARKER TO MAX  
MARKER TO MIN

2 2.400000000 GHz  
1.231 U

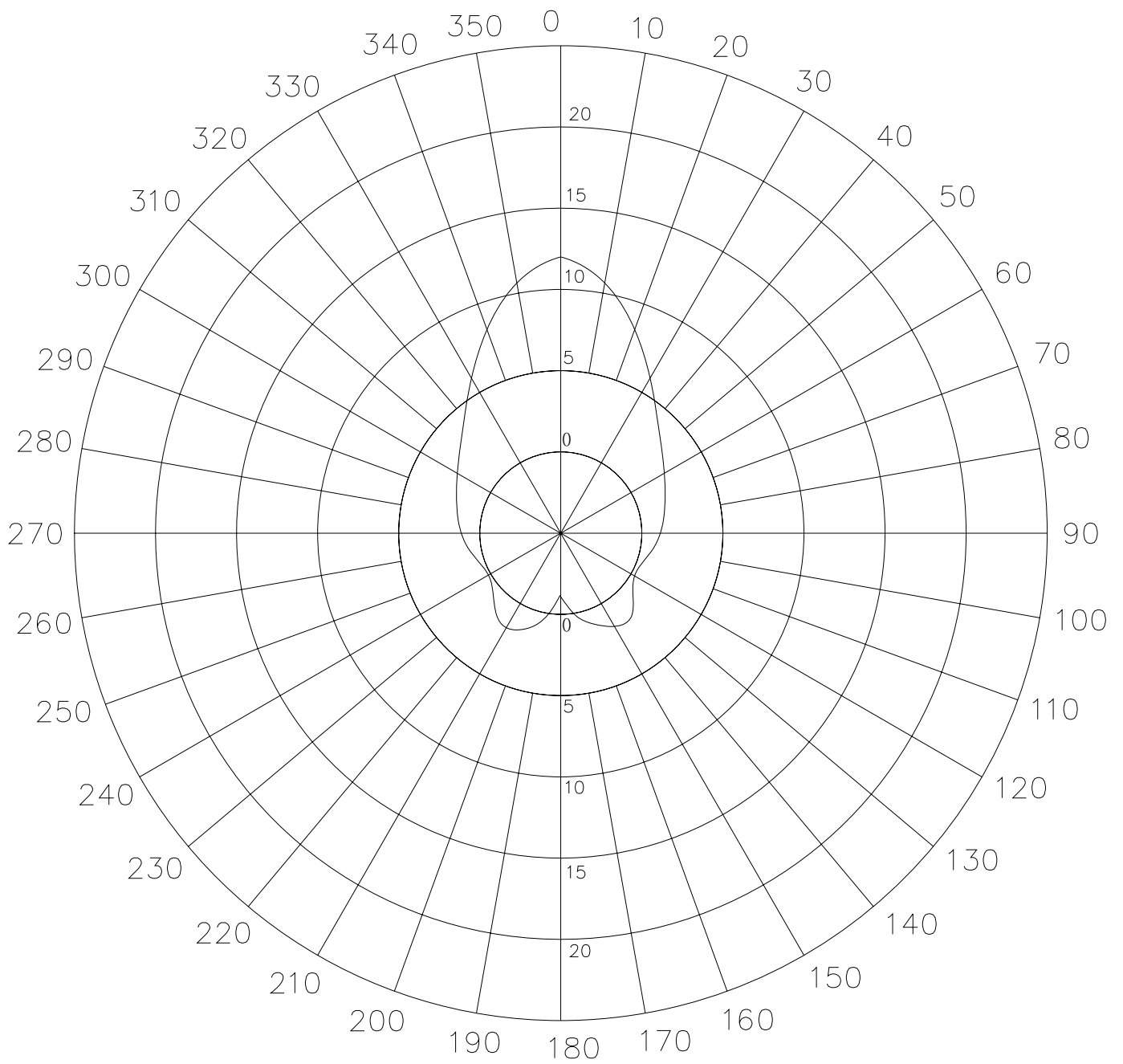
3 2.500000000 GHz  
1.236 U

MARKER READOUT  
FUNCTIONS

# Directional MIMO Panel Antenna for 2.4~2.5GHz Version 1

1PGM-2412

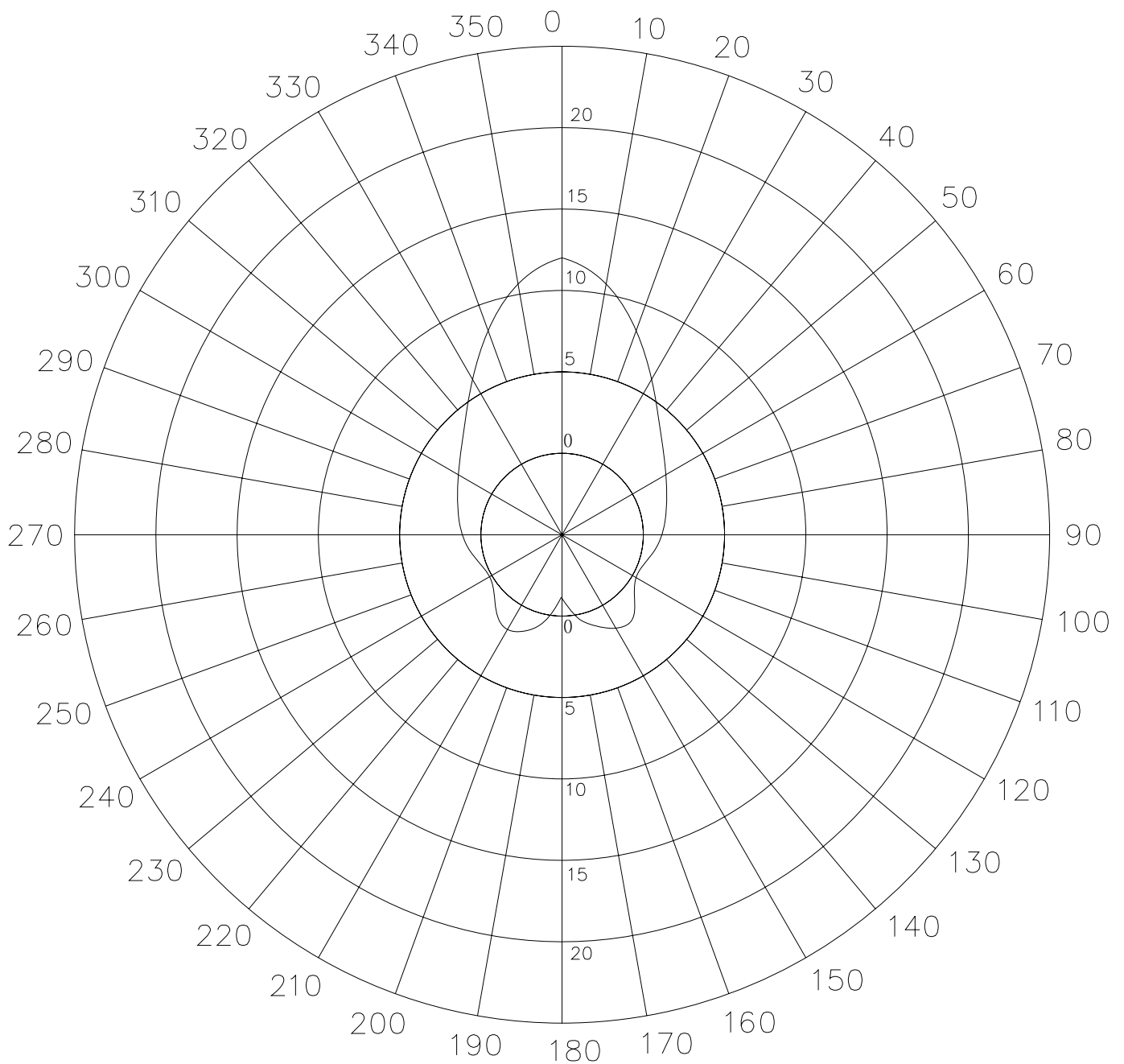
## H-PLANE FIELD PATTERNS



# Directional MIMO Panel Antenna for 2.4~2.5GHz Version 1

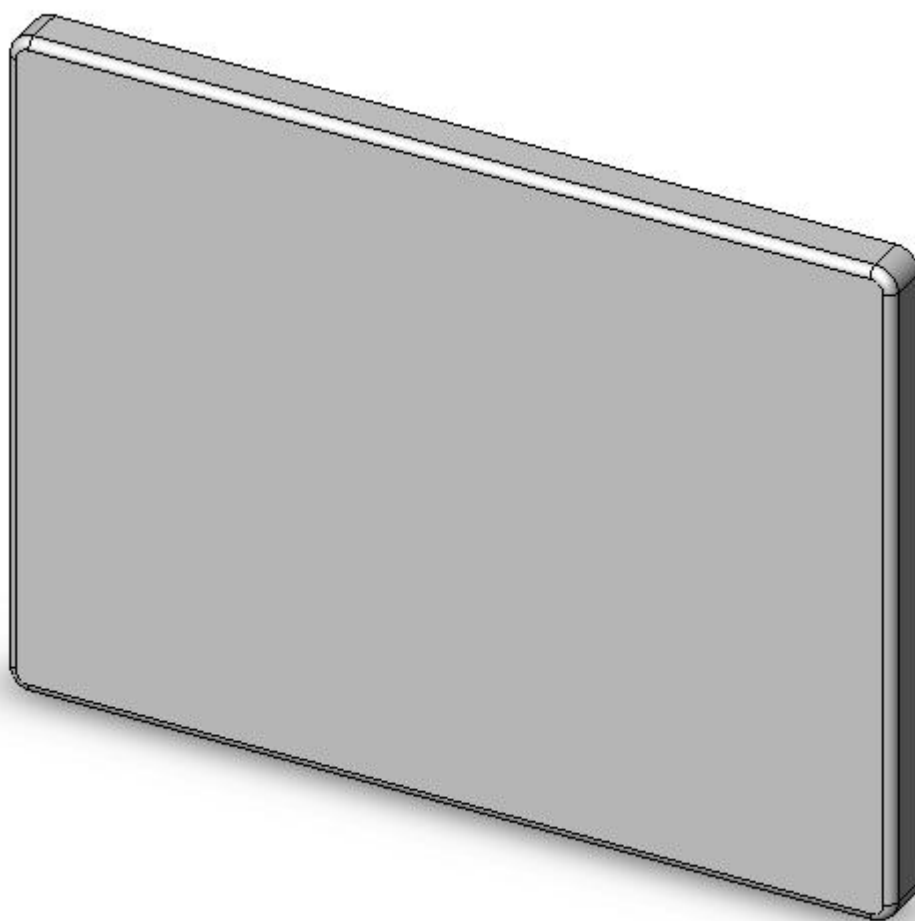
1PGM-2412

## E-PLANE FIELD PATTERNS



# Directional MIMO Panel Antenna for 2.4~2.5GHz    Version 1

1PGM-2412



# Directional MIMO Panel Antenna

for 2.4~2.5GHz

Version 2

1PGM-2412

