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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11a Omni Directional Antenna**

Part Number: **1GP-4912**

Date: **2008-09-08**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Evertime Communications Co., Ltd.

Omni Directional Antenna

for 4.8~5.0GHz

Version 1

1GP-4912

Electrical Specification:

| | |
|-----------------------|------------------------|
| Frequency | 4.8~5.0GHz |
| Part Number | 1GP-4912 |
| Polarization | Linear |
| V.S.W.R. | 1 : 1.3 Max |
| Impedance | 50 OHMS $\pm 5 \Omega$ |
| Gain | 12 dBi |
| Power handling | 10W Max |
| Front to back ratio | N/A |
| HPBW / horizontal | 360° |
| HPBW / vertical | 6° |
| 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 | 430g |
| Radome color | white |
| Radome material | glass fiber |

Omni Directional Antenna

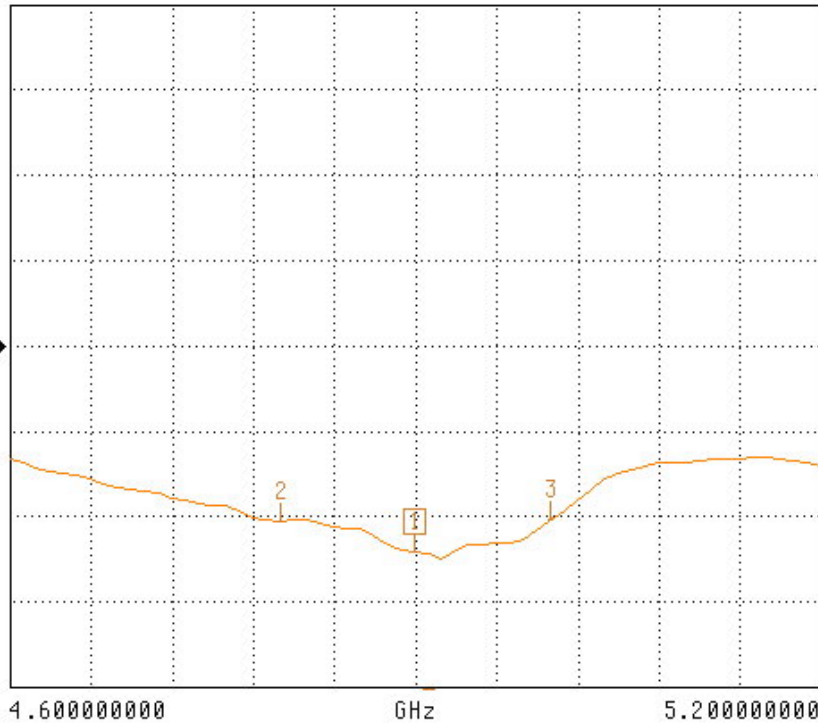
for 4.8~5.0GHz

Version 1

1GP-4912

S11 FORWARD REFLECTION

LOG MAGNITUDE REF=0.000 dB 10.000 dB/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

MARKER 1
4.900000000 GHz
-24.549 dB

MARKER TO MAX
MARKER TO MIN

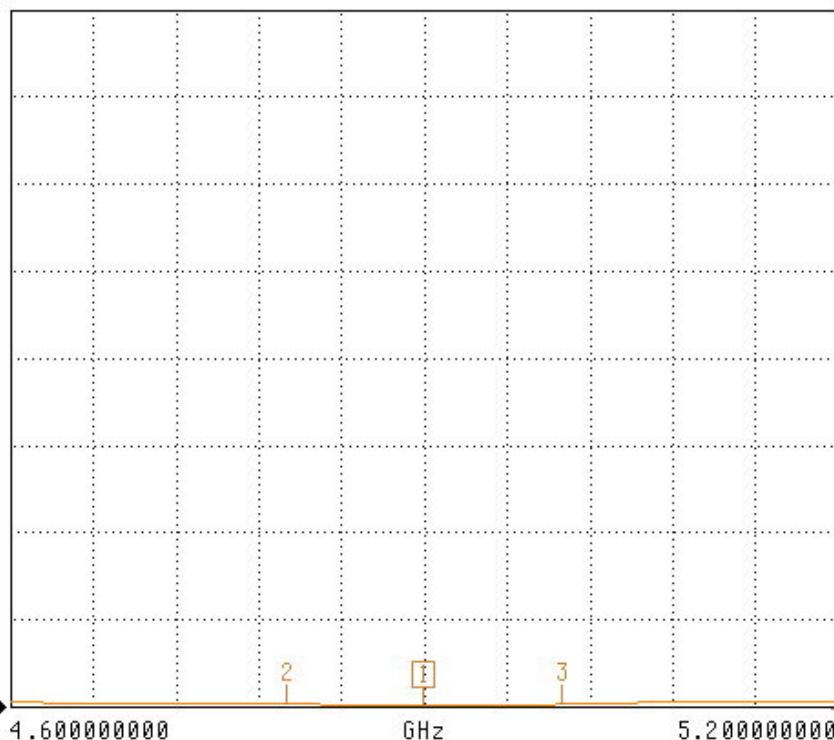
2 4.800000000 GHz
-20.609 dB

3 5.000000000 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
4.900000000 GHz
1.128 U

MARKER TO MAX
MARKER TO MIN

2 4.800000000 GHz
1.231 U

3 5.000000000 GHz
1.236 U

MARKER READOUT
FUNCTIONS

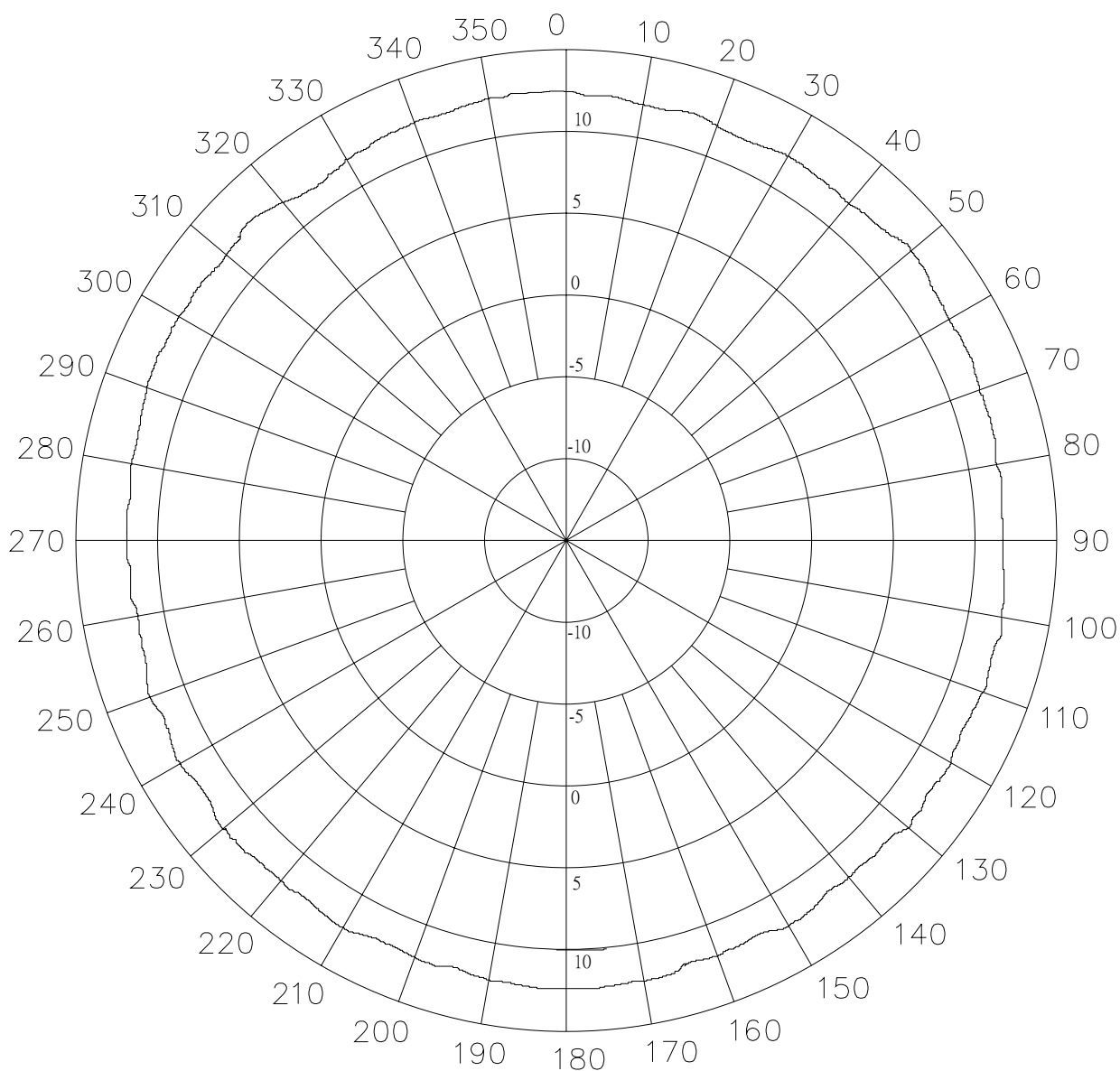
Omni Directional Antenna

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Version 1

1GP-4912

H-PLANE FIELD PATTERNS



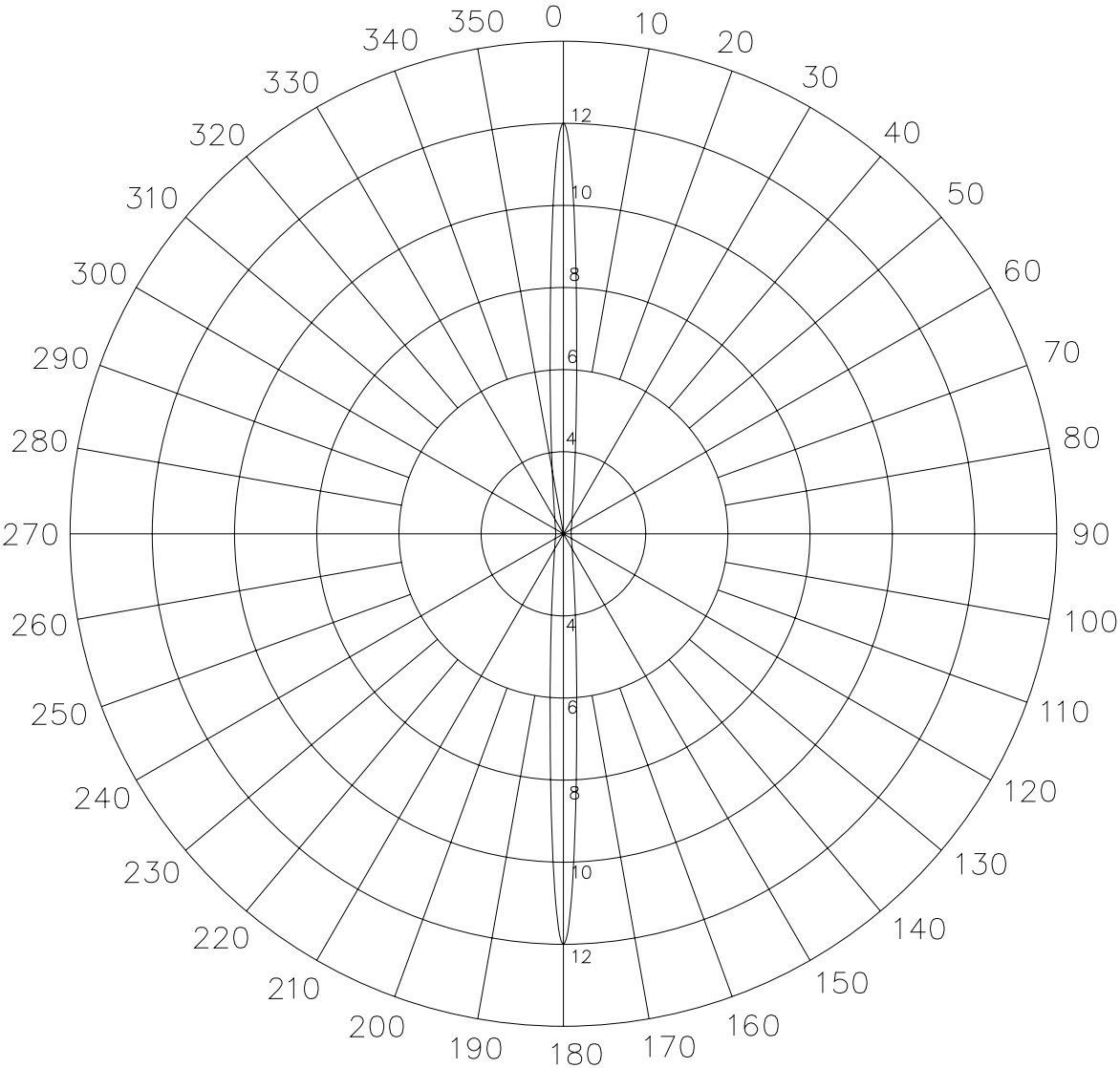
Omni Directional Antenna

for 4.8~5.0GHz

Version 1

1GP-4912

E-PLANE FIELD PATTERNS



Omni Directional Antenna

for 4.8~5.0GHz

Version 1

1GP-4912

