



久 菘 科 技 股 份 有 限 公 司  
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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11b/g Directional Yagi Antenna**

Part Number: **1YG-2418-1**

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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Evertime Communications Co., Ltd.

# Directional Yagi Antenna

for 2.4~2.5GHz

Version 1

1YG-2418-1

## Electrical Specification:

Frequency	2.4~2.5GHz
Part Number	1YG-2418-1
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	18 dBi
Power handling	15W Max
Front to back ratio	25dB
HPBW / horizontal	20°
HPBW / vertical	15°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	L1000XW50xH45mm
Weight	690g
Radome color	Aluminum
Radome material	N/A

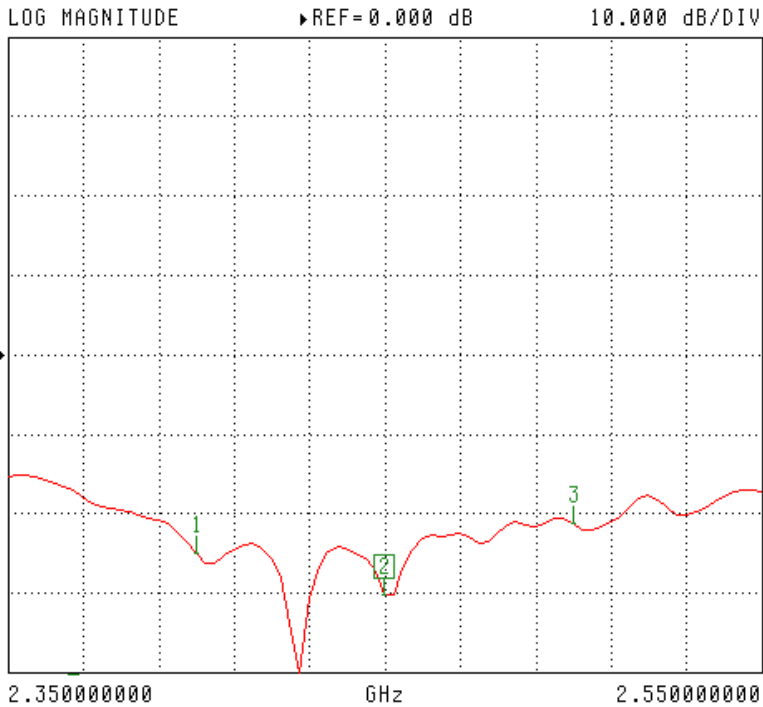
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## for 2.4~2.5GHz

Version 1

### 1YG-2418-1

S11 FORWARD REFLECTION



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

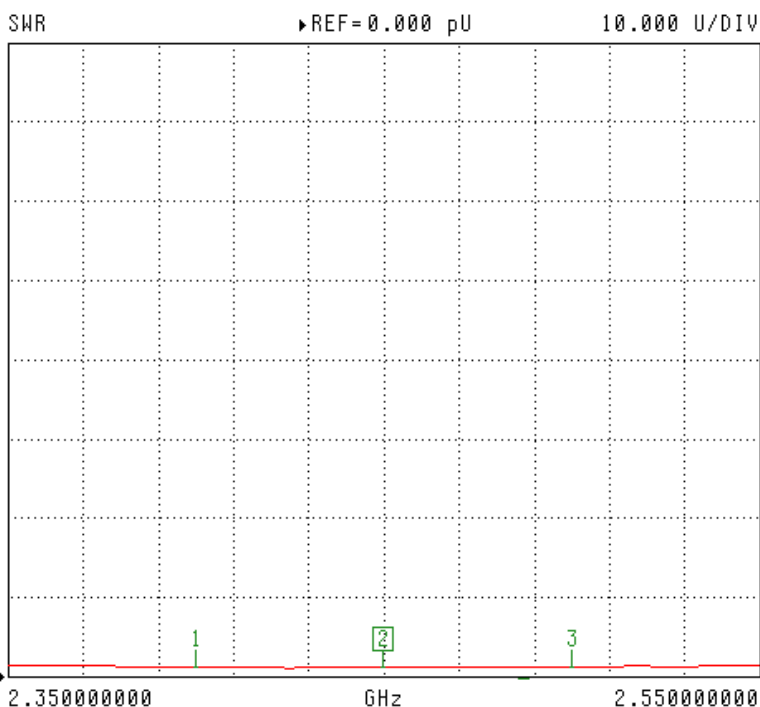
MARKER 2  
2.450000000 GHz  
-30.195 dB

MARKER TO MAX  
MARKER TO MIN

1 2.400000000 GHz  
-25.011 dB  
3 2.500000000 GHz  
-21.255 dB

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 2  
2.450000000 GHz  
1.077 U

MARKER TO MAX  
MARKER TO MIN

1 2.400000000 GHz  
1.136 U  
3 2.500000000 GHz  
1.182 U

MARKER READOUT  
FUNCTIONS

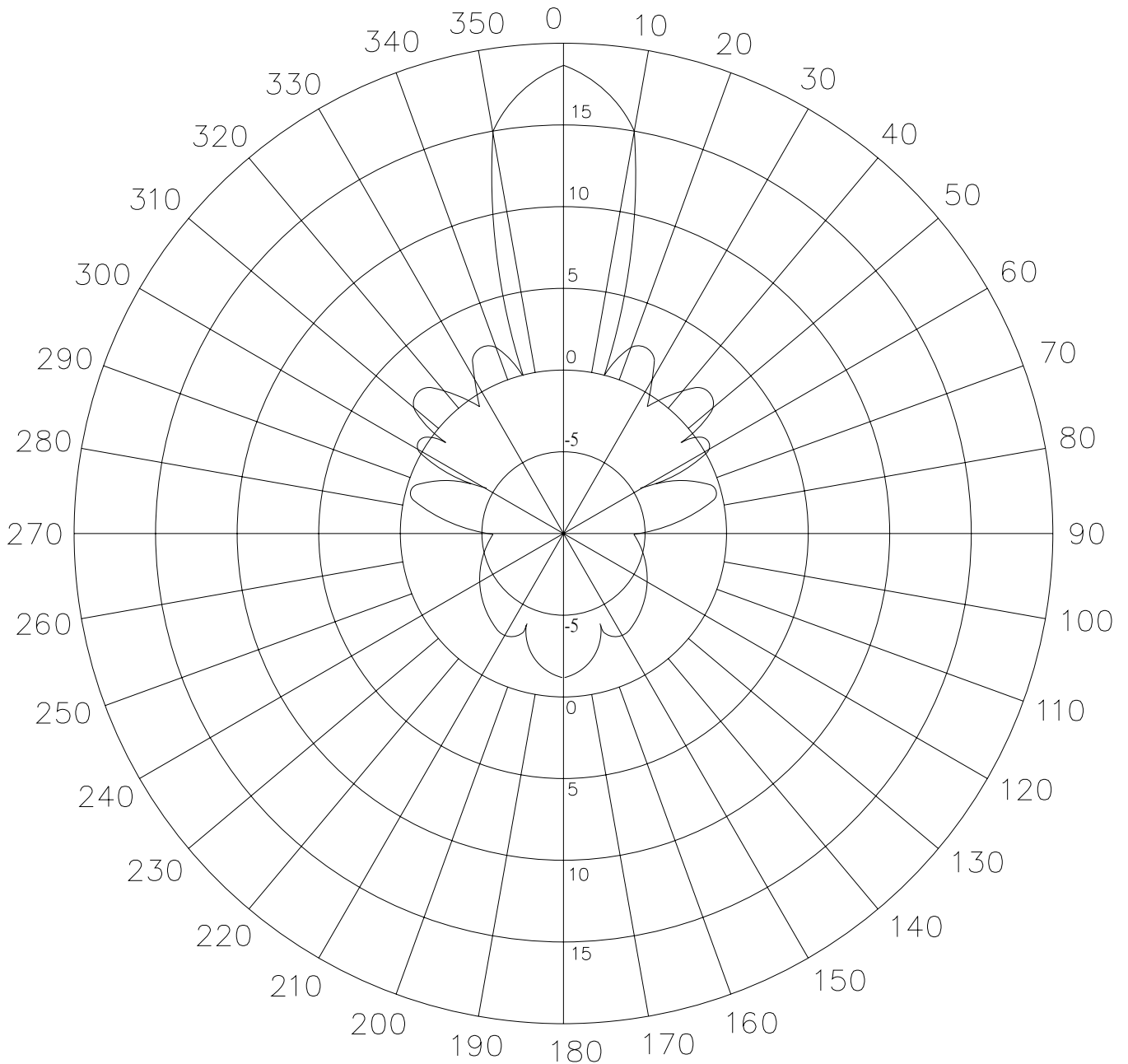
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## H-PLANE FIELD PATTERNS



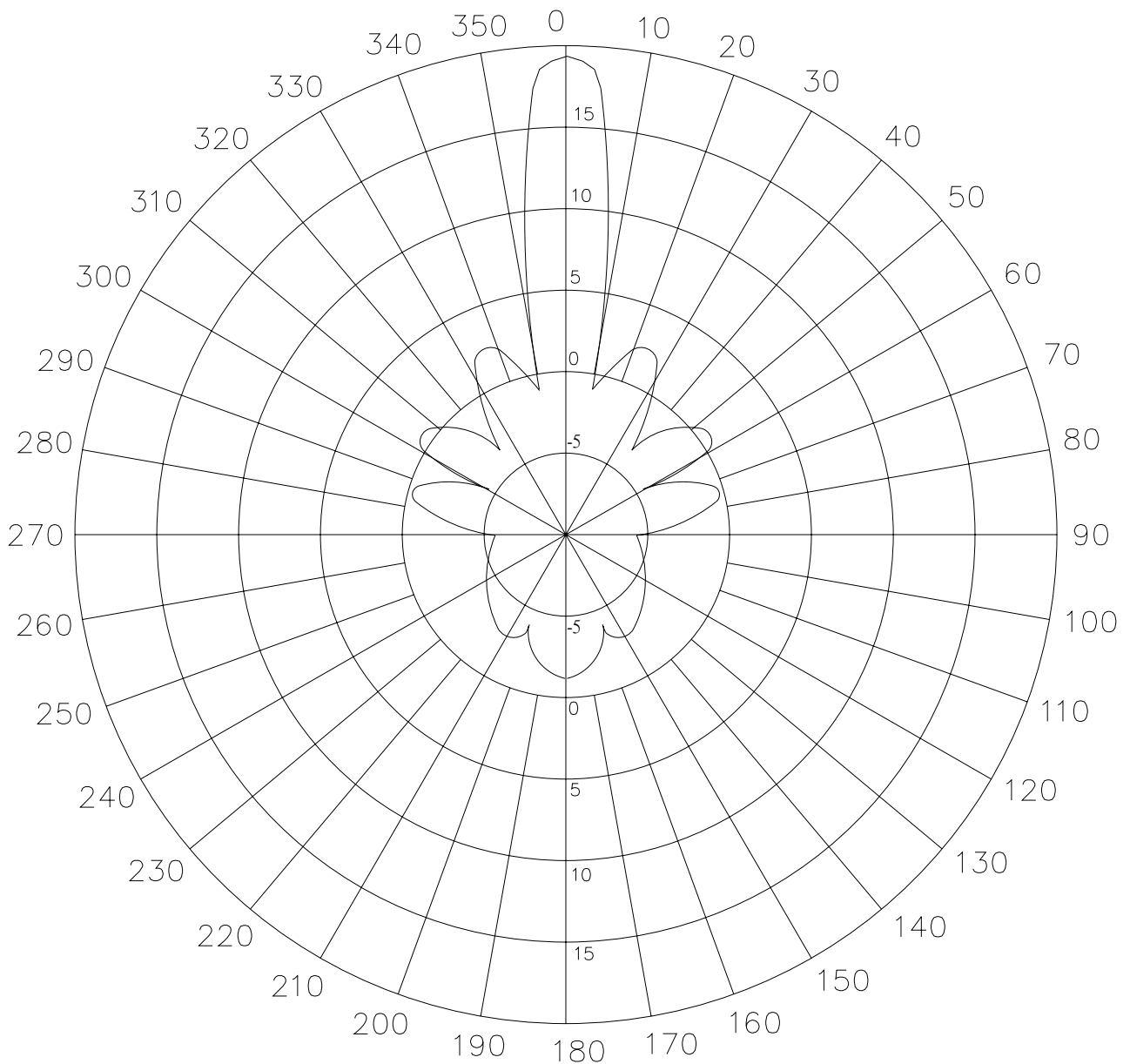
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## E-PLANE FIELD PATTERNS



# Directional Yagi Antenna

for 2.4~2.5GHz

Version 1

1YG-2418-1

