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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.16e Directional Grid Antenna**

Part Number: **1CO-33823**

Date: **2008-05-12**

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Customer Evaluation:

PASS

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Approved Date:

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Evertime Communication Approved By : \_\_\_\_\_ Date:

Evertime Communication Prepared By : \_\_\_\_\_ Date:

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# Directional Grid Antenna

for 3.4~3.6GHz

Version 1

1CO-33823

## Electrical Specification:

Frequency	3.4~3.6GHz
Part Number	1CO-3523
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	23 dBi
Power handling	15W Max
Front to back ratio	35dB
HPBW / horizontal	10°
HPBW / vertical	8°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	610mm
Weight	2.9Kg
Radome color	white
Radome material	ABS

# Directional Grid Antenna

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Version 1

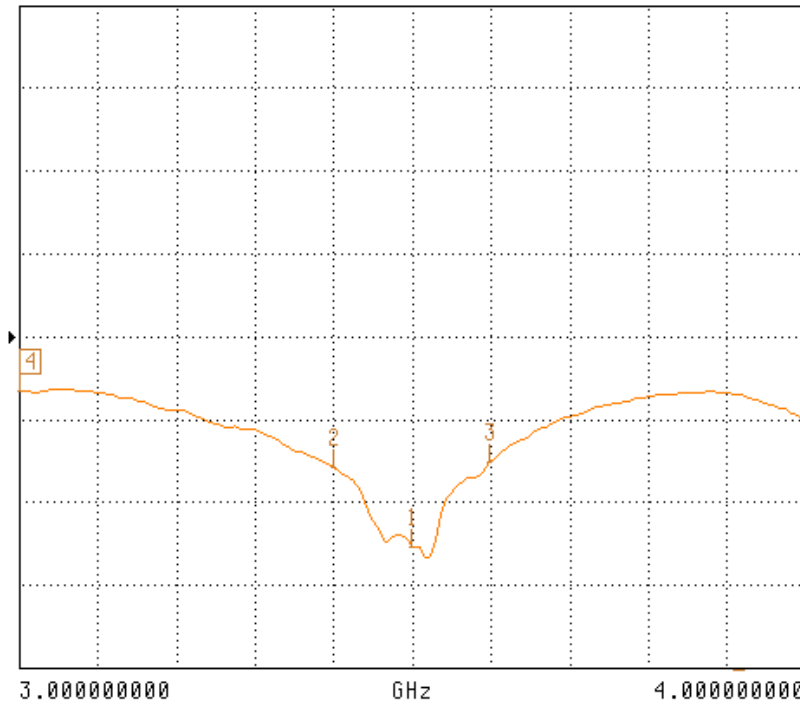
### 1CO-33823

S11 FORWARD REFLECTION

LOG MAGNITUDE

REF=0.000 dB

10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
3.000000000 GHz  
-6.649 dB

MARKER TO MAX  
MARKER TO MIN

- 1 3.500000000 GHz  
-25.397 dB
- 2 3.400000000 GHz  
-15.720 dB
- 3 3.600000000 GHz  
-15.112 dB

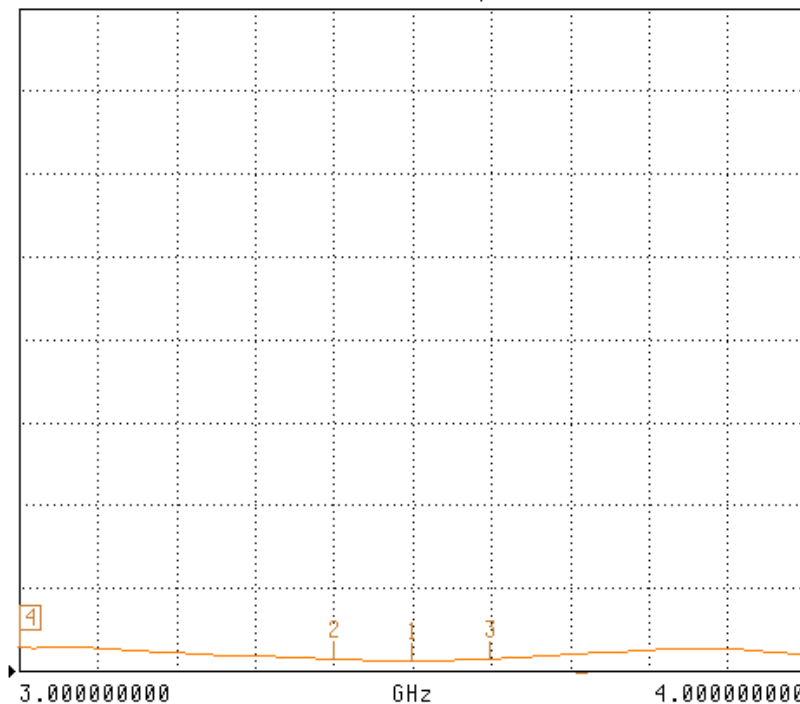
MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR

REF=0.000 pU

10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
3.000000000 GHz  
2.778 U

MARKER TO MAX  
MARKER TO MIN

- 1 3.500000000 GHz  
1.137 U
- 2 3.400000000 GHz  
1.411 U
- 3 3.600000000 GHz  
1.415 U

MARKER READOUT  
FUNCTIONS

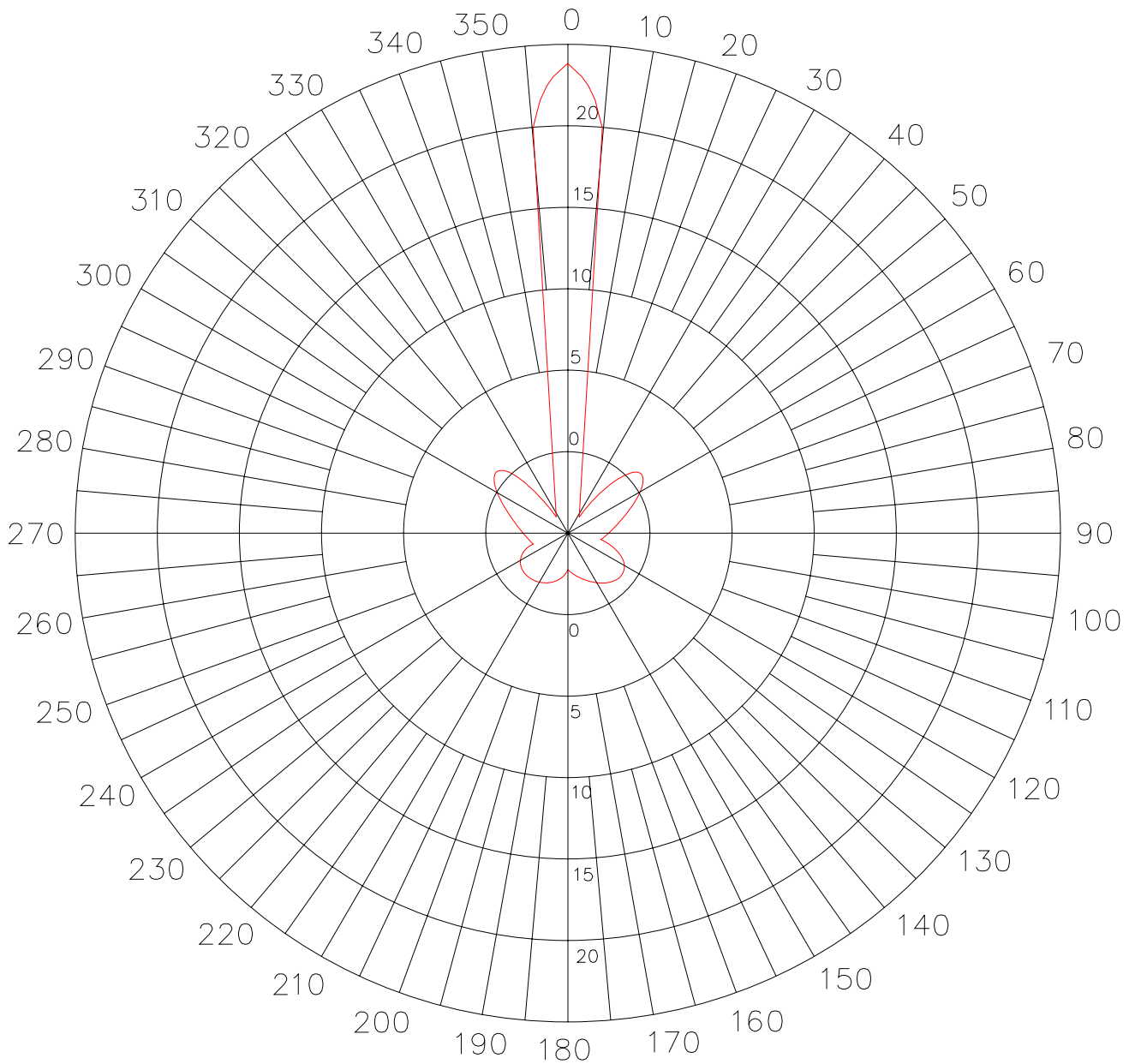
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## H-PLANE FIELD PATTERNS



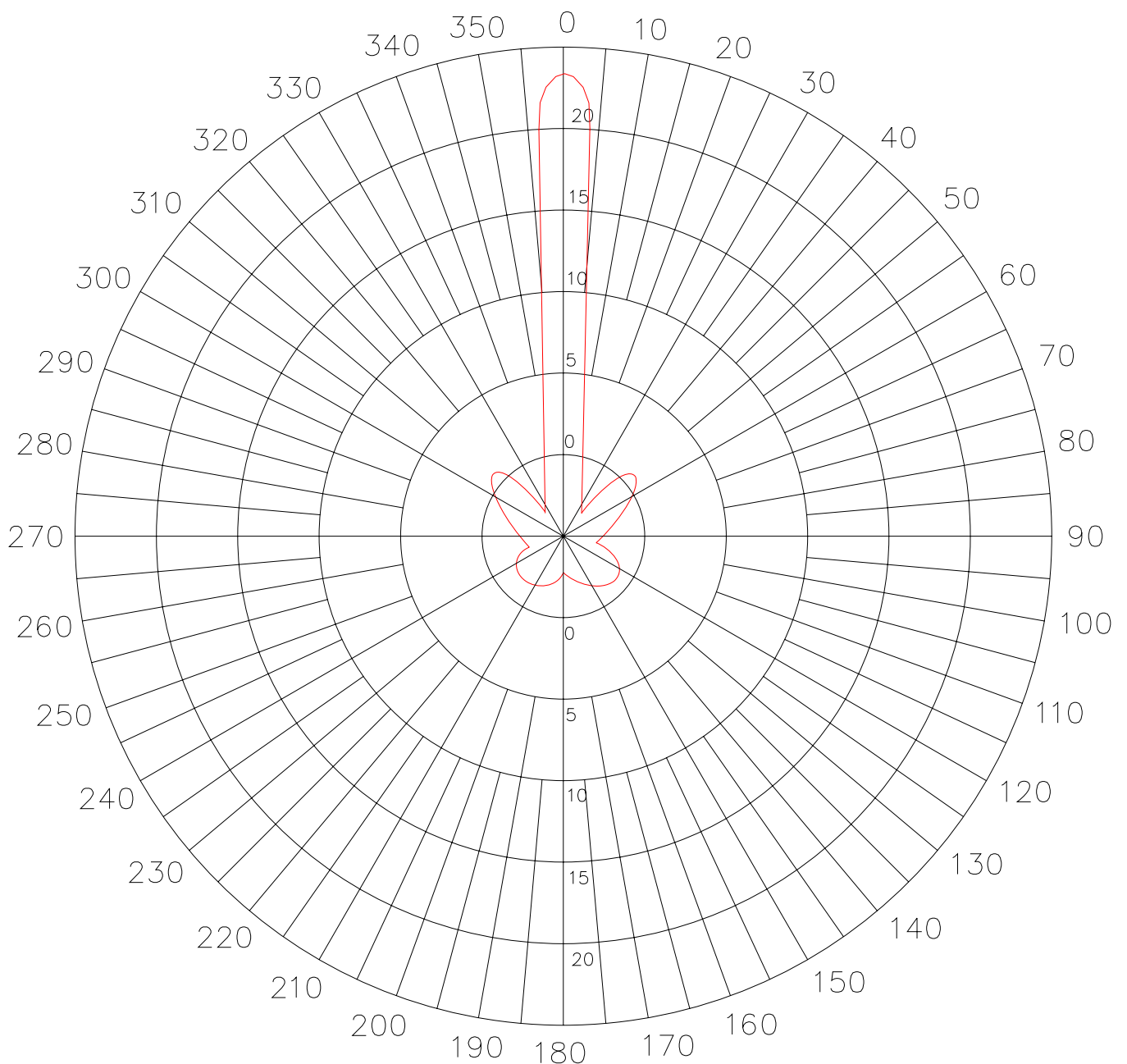
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## E-PLANE FIELD PATTERNS



# Directional Grid Antenna

for 3.4~3.6GHz

Version 1

1CO-33823

