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承 認 書

**SPECIFICATION FOR APPROVAL**

Customer :

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

Part Number: **1SC-51815**

Date: **2006-01-11**

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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 Sector Antenna

for 5.1 ~ 5.9GHz

Version 1

1SC-51815

## Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1SC-51815
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	15 dBi
Power handling	15W Max
Front to back ratio	30dB
HPBW / horizontal	120°
HPBW / vertical	10°

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	370 x 130 x 65mm
Weight	1.09Kg
Radome color	Gray-white
Radome material	ABS

# Directional Sector Antenna

## for 5.1~5.9GHz

Version 1

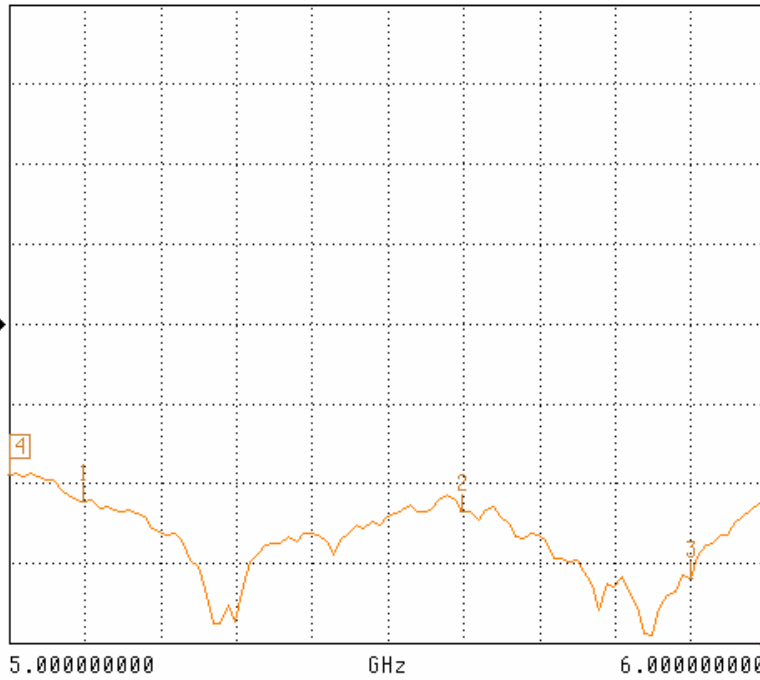
### 1SC-51815

S11 FORWARD REFLECTION

LOG MAGNITUDE

REF=0.000 dB

10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
5.000000000 GHz  
-18.892 dB

MARKER TO MAX  
MARKER TO MIN

1 5.100000000 GHz  
-22.226 dB  
2 5.600000000 GHz  
-23.600 dB  
3 5.900000000 GHz  
-32.009 dB

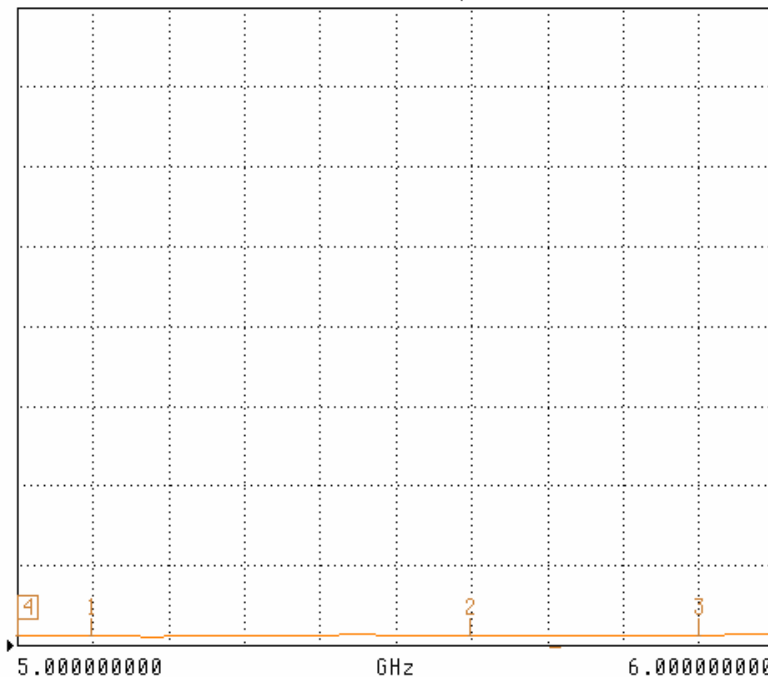
MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR

REF=0.000 pU

10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
5.000000000 GHz  
1.157 U

MARKER TO MAX  
MARKER TO MIN

1 5.100000000 GHz  
1.173 U  
2 5.600000000 GHz  
1.150 U  
3 5.900000000 GHz  
1.196 U

MARKER READOUT  
FUNCTIONS

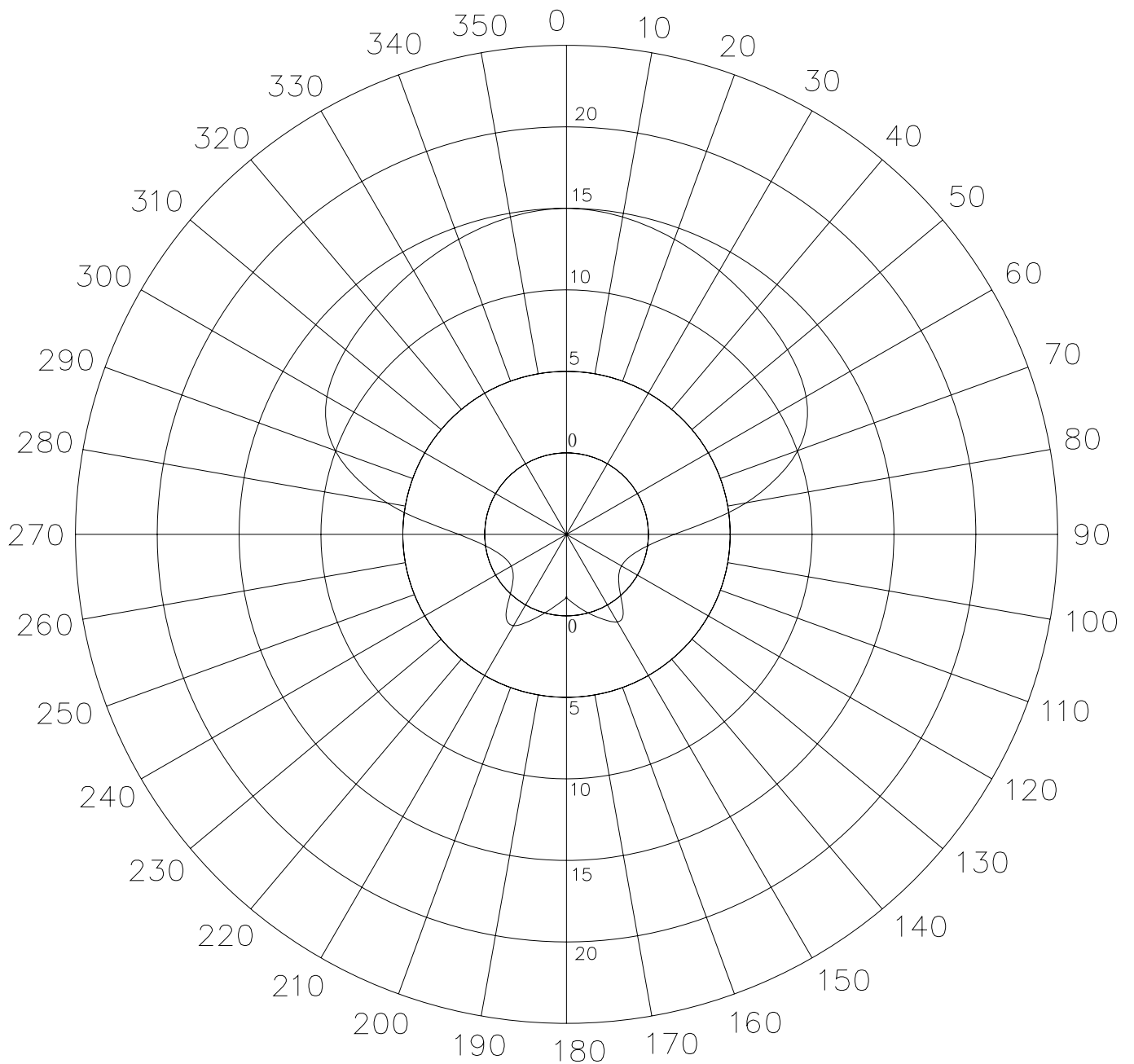
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Version 1

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## H-PLANE FIELD PATTERNS



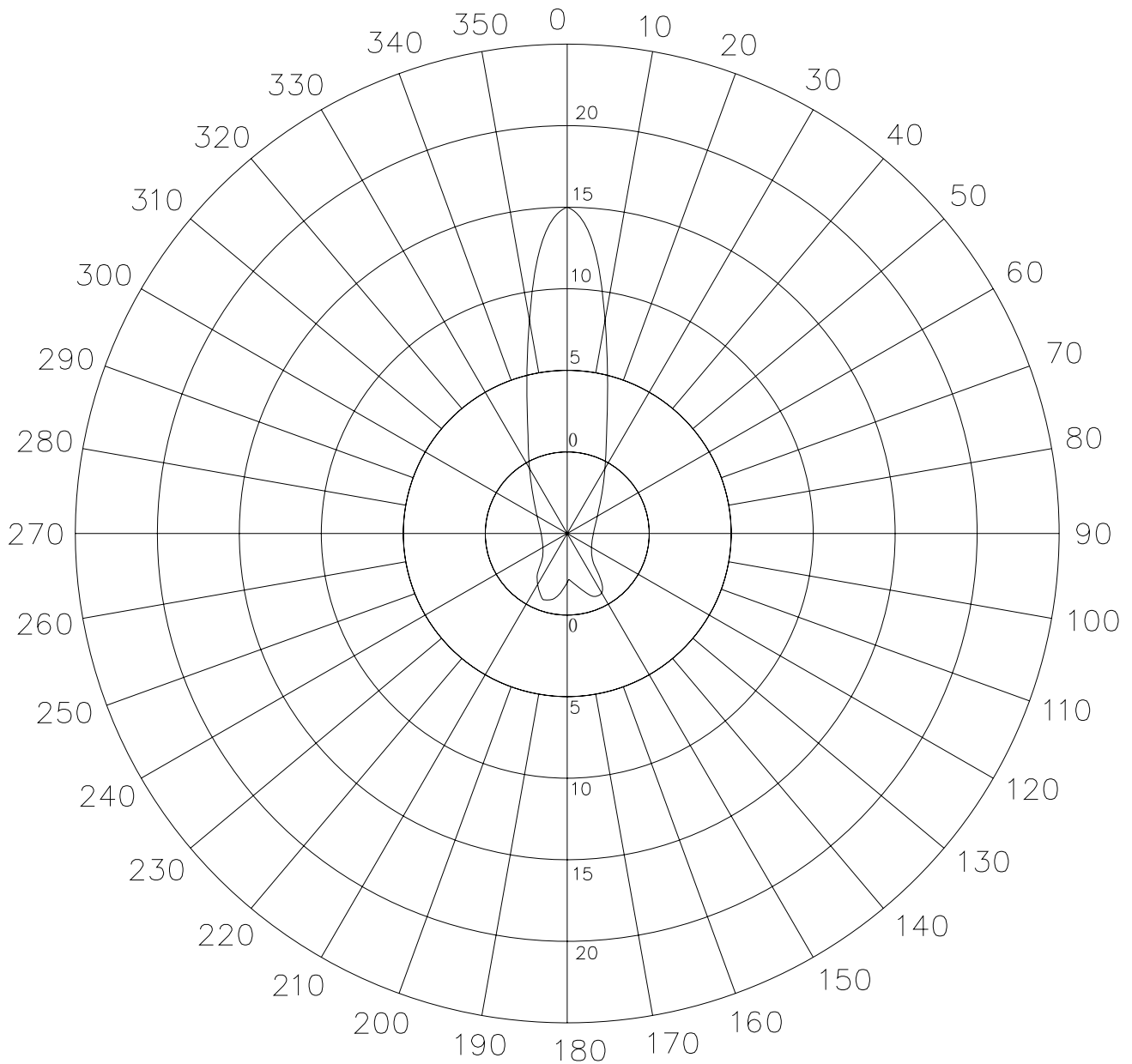
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1SC-51815

## E-PLANE FIELD PATTERNS



# Directional Sector Antenna

for 5.1 ~ 5.9GHz

Version 1

1SC-51815

