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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1CO-51829**

Date: **2008-08-11**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Directional Grid Antenna

for 5.1~5.9GHz

Version 1

1CO-51829

Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1CO-51829
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	29 dBi
Power handling	25W Max
Front to back ratio	35dB
HPBW / horizontal	8°
HPBW / vertical	5°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	900mm
Weight	4.86Kg
Radome color	white
Radome material	ABS

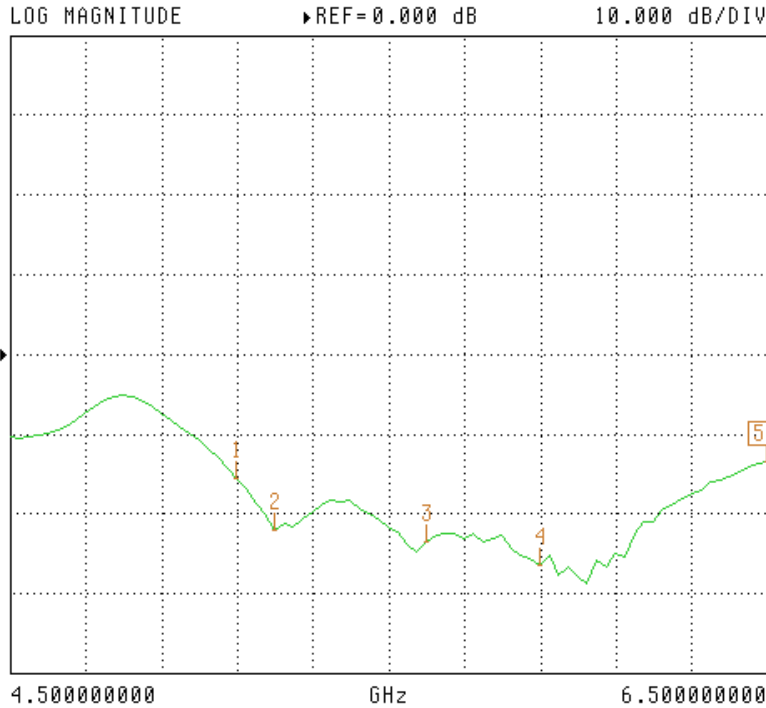
Directional Grid Antenna

for 5.1 ~ 5.9GHz

Version 1

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S11 FORWARD REFLECTION



CH 1 - S11
REFERENCE PLANE
0.0000 mm

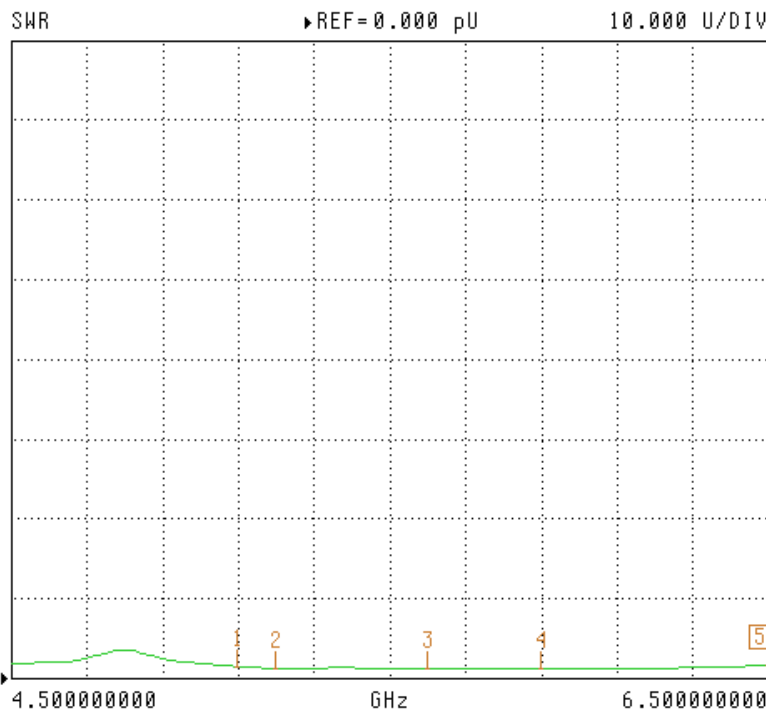
MARKER 5
6.500000000 GHz
-13.428 dB

MARKER TO MAX
MARKER TO MIN

- | Marker | Frequency (GHz) | Value (dB) |
|--------|-----------------|------------|
| 1 | 5.100000000 | -15.530 |
| 2 | 5.200000000 | -22.003 |
| 3 | 5.600000000 | -23.507 |
| 4 | 5.900000000 | -26.417 |
| 5 | 6.500000000 | -13.428 |

MARKER READOUT
FUNCTIONS

S11 FORWARD REFLECTION



CH 1 - S11
REFERENCE PLANE
0.0000 mm

MARKER 5
6.500000000 GHz
1.542 U

MARKER TO MAX
MARKER TO MIN

- | Marker | Frequency (GHz) | Value (U) |
|--------|-----------------|-----------|
| 1 | 5.100000000 | 1.402 |
| 2 | 5.200000000 | 1.173 |
| 3 | 5.600000000 | 1.143 |
| 4 | 5.900000000 | 1.100 |
| 5 | 6.500000000 | 1.542 |

MARKER READOUT
FUNCTIONS

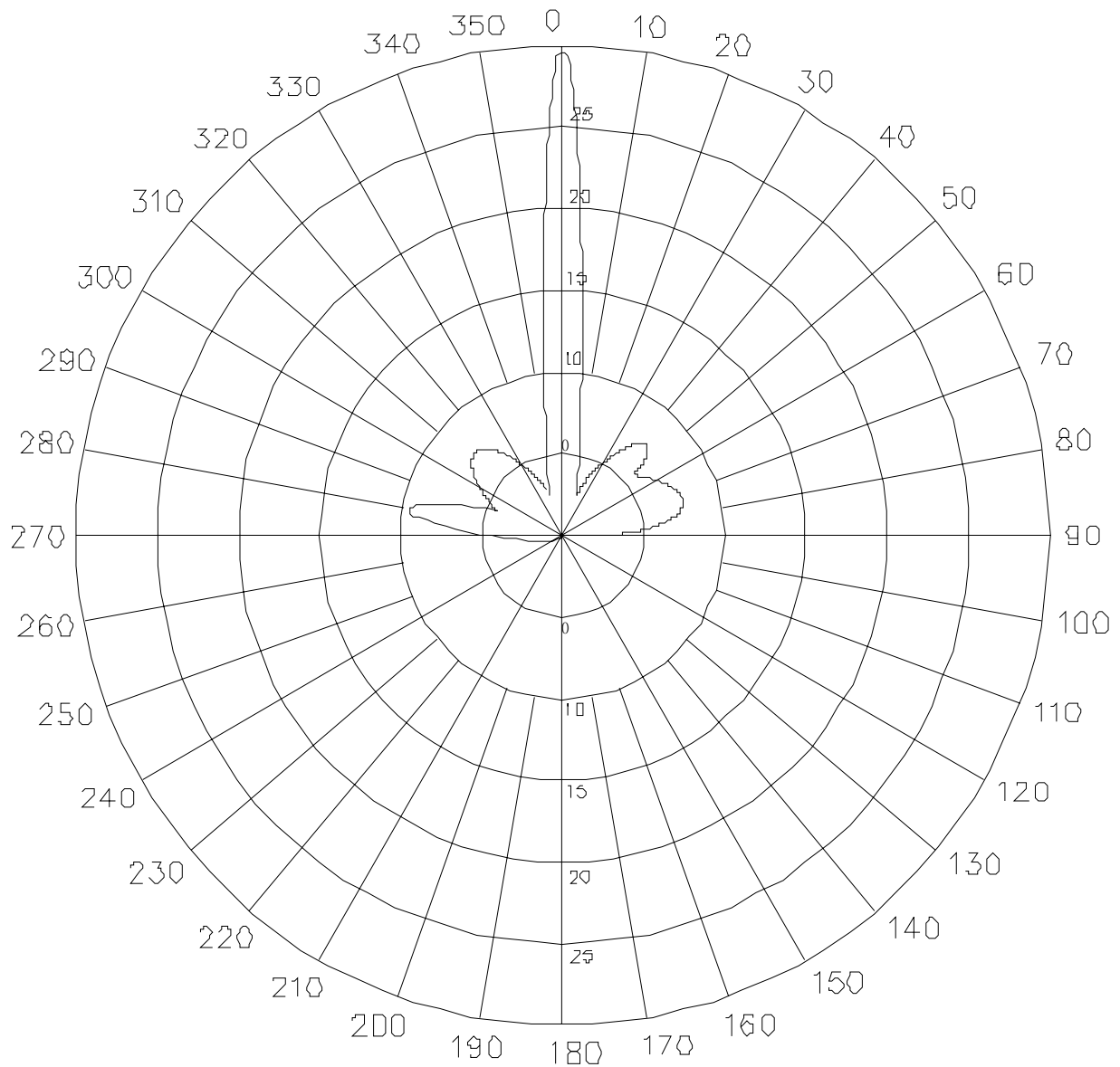
Directional Grid Antenna

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H-PLANE FIELD PATTERNS



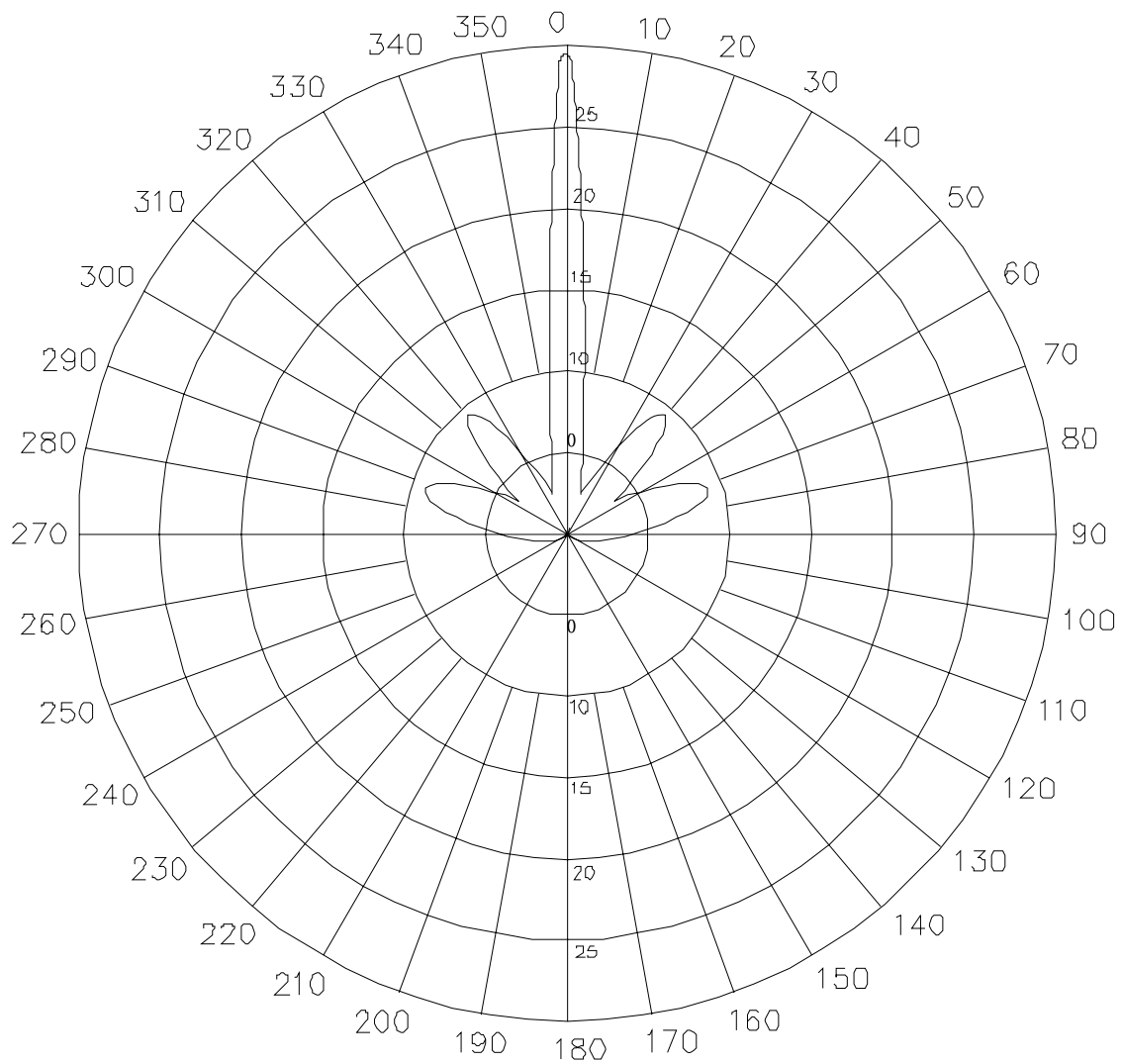
Directional Grid Antenna

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Version 1

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E-PLANE FIELD PATTERNS



Directional Grid Antenna

for 5.1 ~ 5.9GHz

Version 1

1CO-51829

