



久 菘 科 技 股 份 有 限 公 司
EVERTIME COMMUNICATIONS CO., LTD.

NO. 23-2, HUNGMAU, HSIN-FENG VILLAGE, SHING-FENG SHIANG, HSIN-CHU, TAIWAN, R.O.C.

TEL:+886-3-5687918

FAX:+886-3-5686953

E-mail: service@ep.com.tw

<http://www.ep.com.tw>

承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1SC-4921SP**

Date: **2008-09-08**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Evertime Communications Co., Ltd.

Directional Sector Antenna

for 4.8~5.0GHz

Version 1

1SC-4921SP

Electrical Specification:

Frequency	4.8~5.0GHz
Part Number	1SC-4921SP
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	15~21 dBi
Power handling	15W Max
Front to back ratio	30dB
HPBW / horizontal	60°~120°
HPBW / vertical	10°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	370 x 130 x 65mm
Weight	3.09Kg
Radome color	Gray-white
Radome material	ABS

Directional Sector Antenna

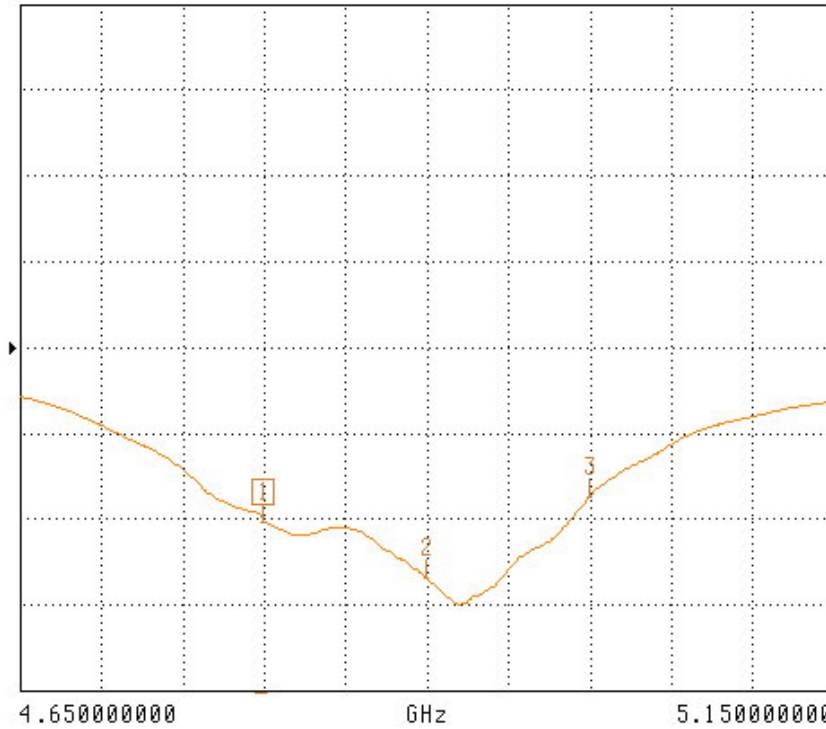
for 4.8~5.0GHz

Version 1

1SC-4921SP

S11 FORWARD REFLECTION

LOG MAGNITUDE REF=0.000 dB 10.000 dB/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

▶ MARKER 1
4.800000000 GHz
-20.503 dB

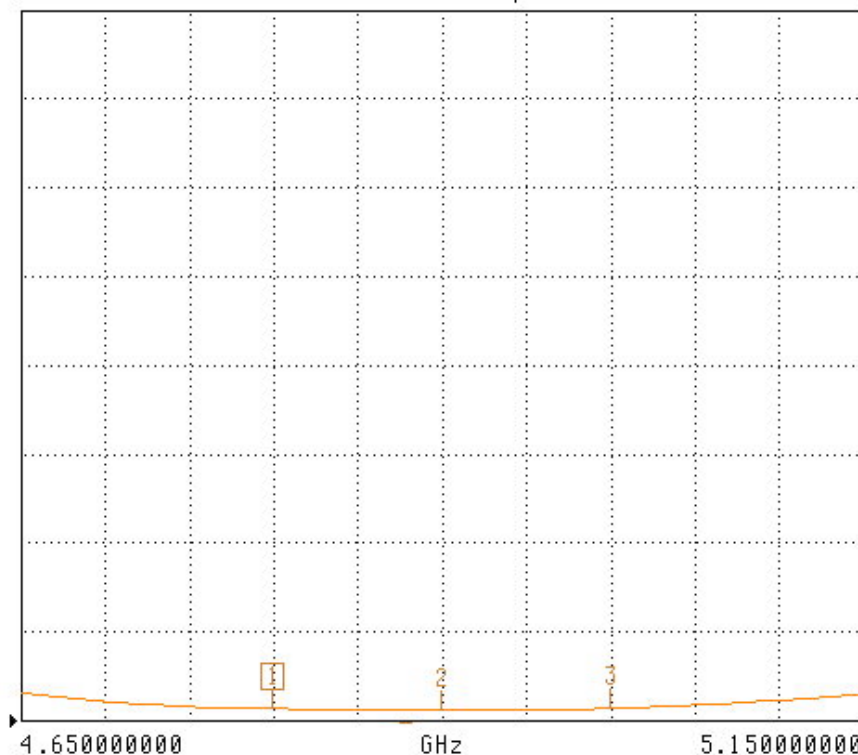
MARKER TO MAX
MARKER TO MIN

2 4.900000000 GHz
-26.901 dB
3 5.000000000 GHz
-17.512 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 1
4.800000000 GHz
1.287 U

MARKER TO MAX
MARKER TO MIN

2 4.900000000 GHz
1.087 U
3 5.000000000 GHz
1.297 U

MARKER READOUT
FUNCTIONS

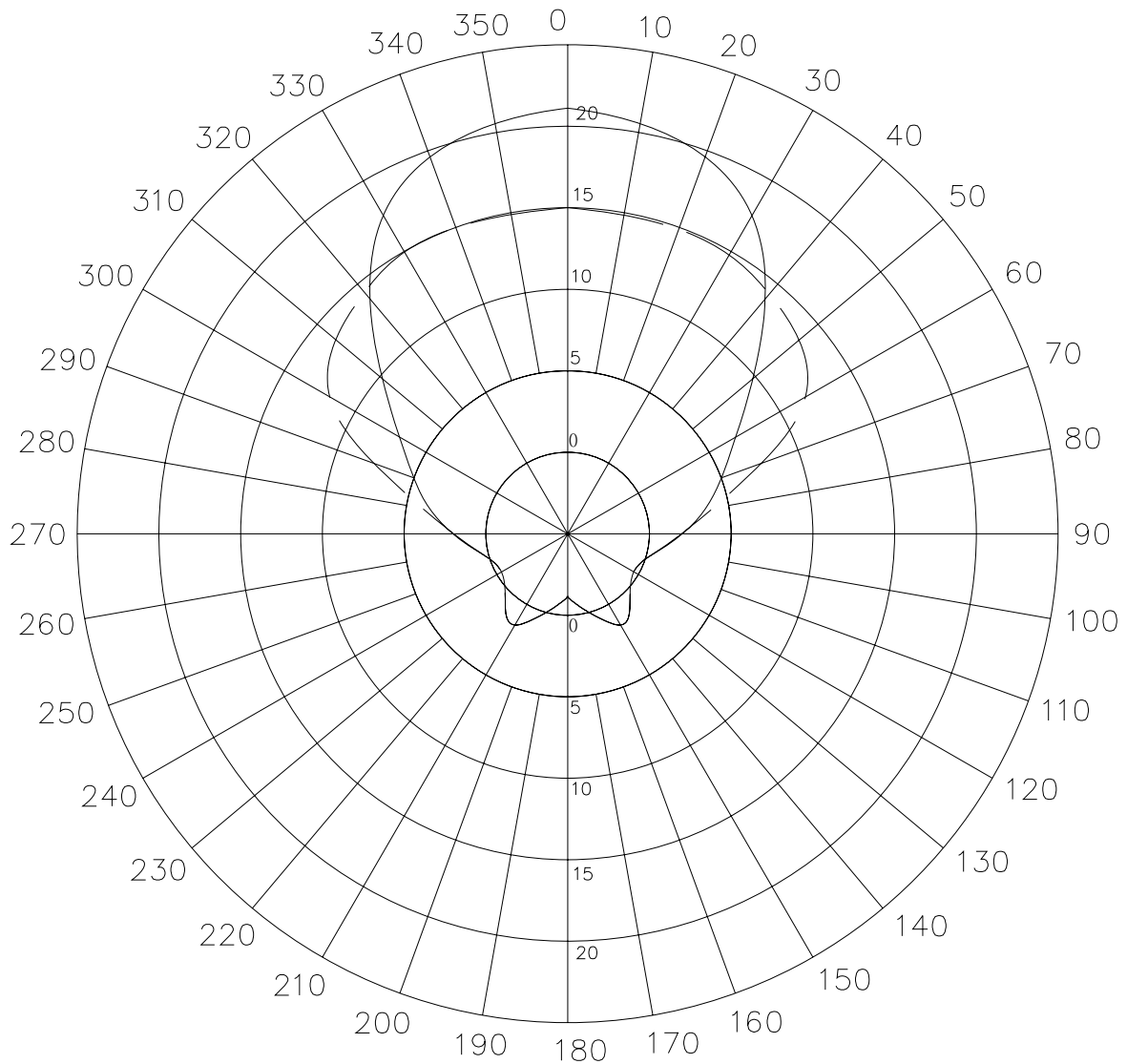
Directional Sector Antenna

for 4.8~5.0GHz

Version 1

1SC-4921SP

H-PLANE FIELD PATTERNS



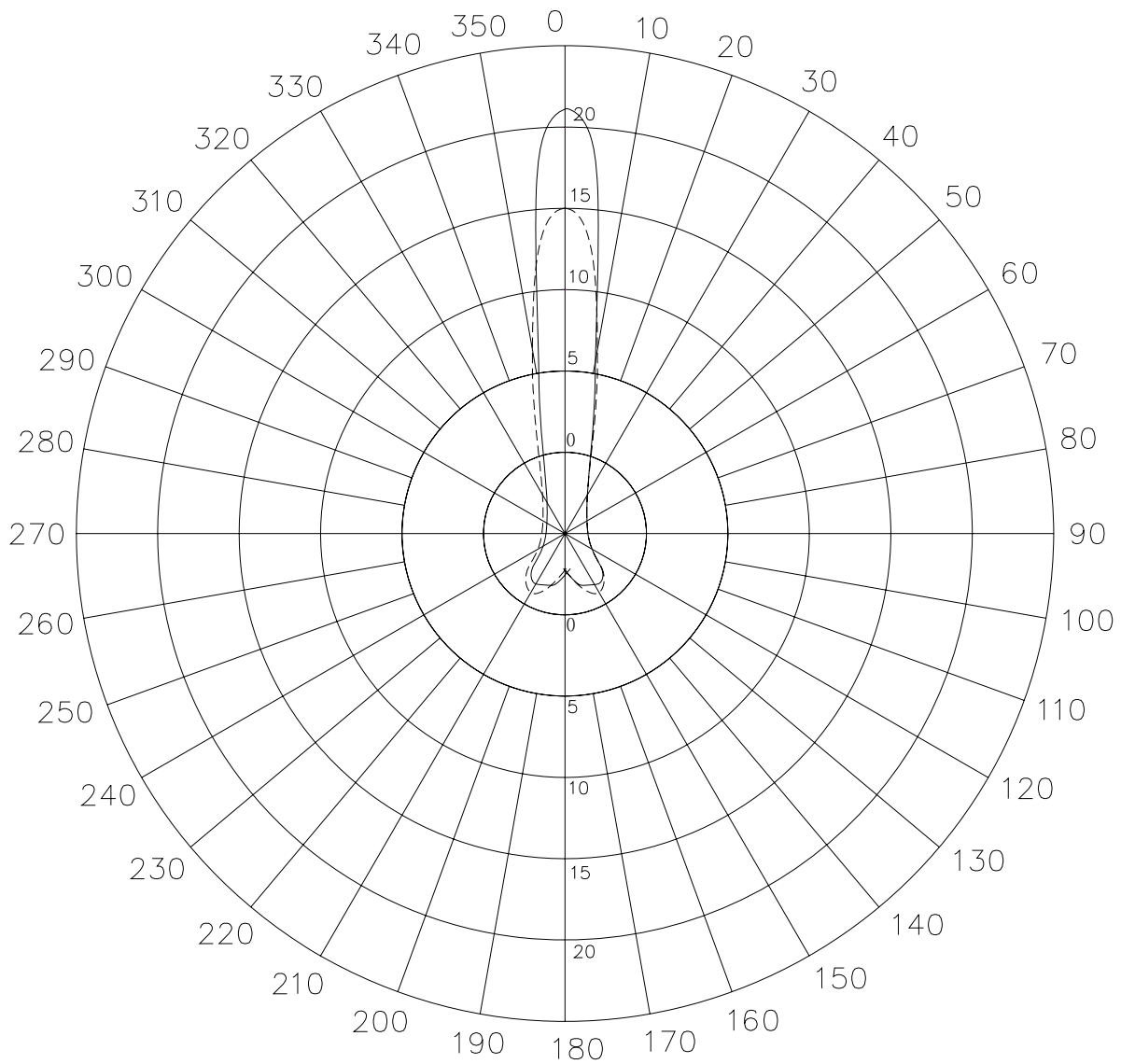
Directional Sector Antenna

for 4.8~5.0GHz

Version 1

1SC-4921SP

E-PLANE FIELD PATTERNS

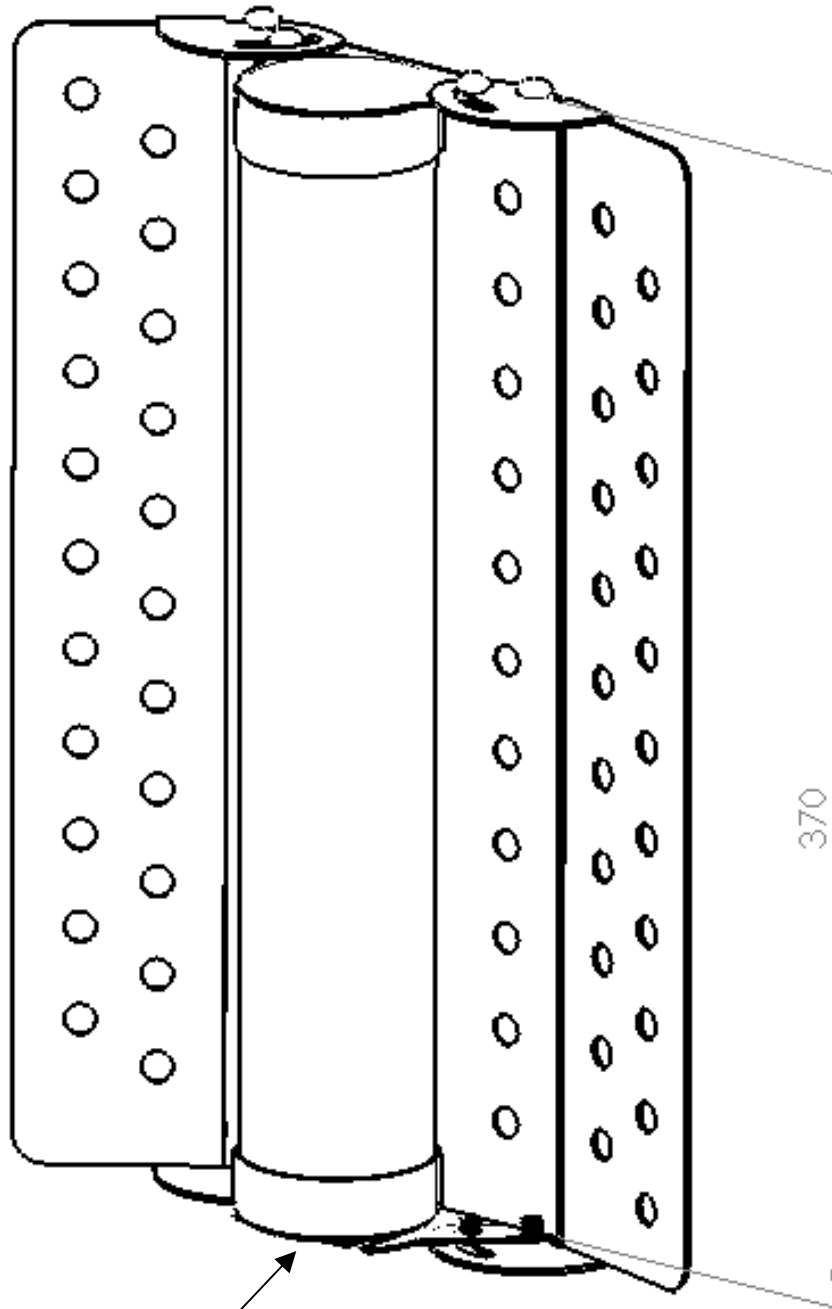


Directional Sector Antenna

for 4.8~5.0GHz

Version 1

1SC-4921SP



N FEMALE