

5.1-5.9 GHz Sectorized 16 – 21dBi Adjustor Directional Antenna

APPLICATIONS AND FEATURES

Applications:

- 5.1~ 5.9 GHz Applications
- 5.8 GHz UNII/ISM Band Application
- IEEE 802.11a
- Directional and multipoint applications
- Wi-Max, CDMA,
- Public Wireless Hotspot
- Wireless LAN systems

Features :

- Superior performance
- Light weight
- All weather operation
- DC Short lightning protection
- Installed for vertical
- Includes tilt and swivel mast mount
- Frequency Ultra-wide

SPECIFICATIONS:

Electrical Specifications

Frequency Range	5100 – 5900MHz
V.S.W.R	1.5
Return Loss	-12db
Antenna Type	Collinea
Gain	16~21dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-with	7~12 °
Horizontal Beam-with	45~120 ° (Adjustor)
Impedance	50Ω
Connector	N-Female

Mechanical Specifications

Length	760mm
Diameter	270mm
Weight	3500g
Wind Survival	> 150 MPH
Radome Material	Polymer & Metal
Operating Temperature	- 40 to + 80
Clamps / Mounting	U-bolt / 32 – 45mm
Down-tilt	0-20 degrees
RoHS Compliant	Yes



The antenna includes mounting bracket and hardware for up to 2" OD masts. Made with fiberglass and comes with an integrated N Female connector.

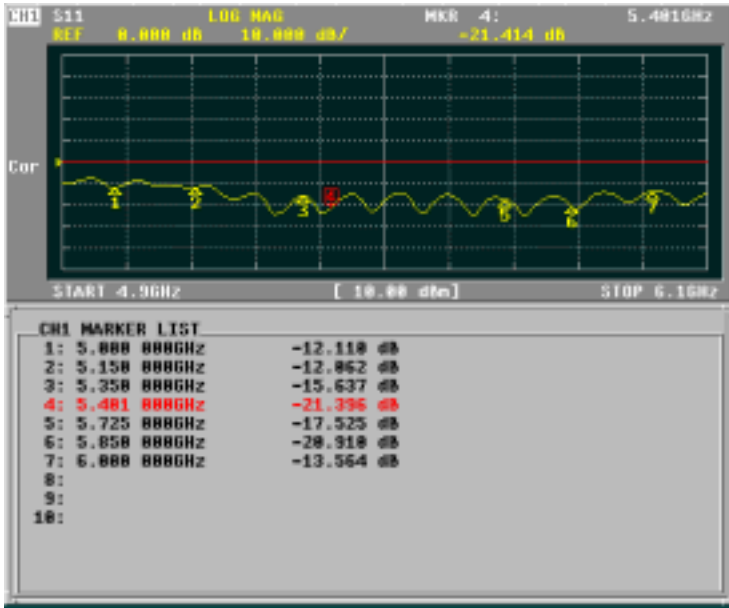
Adjustor Fan Degree	Ad-Gain
45 °	21dBi
60 °	20dBi
90 °	19dBi
120 °	17dBi

Horizontal Degree	Vertical Degree
45 °	7 °
60 °	8 °
90 °	10 °
120 °	12 °

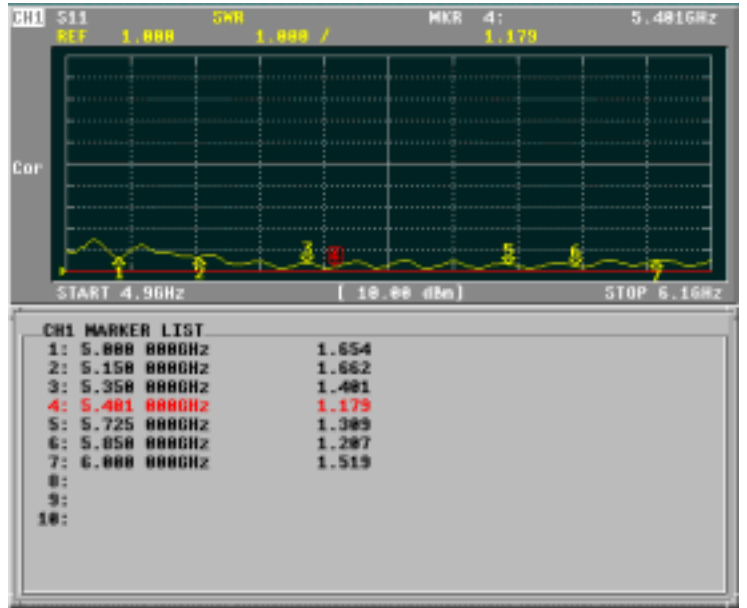
SE-515921C Test Report

5.1-5.9 GHz Adjustor Sectorized 16-21dBi directional Antenna

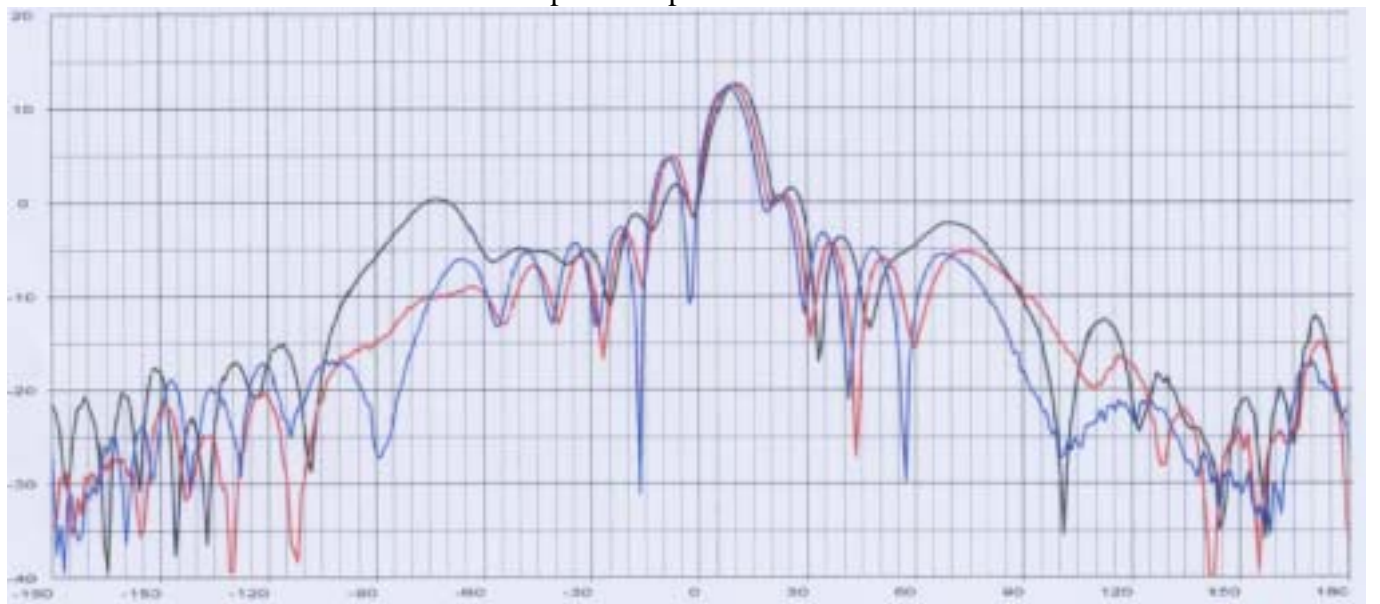
Return loss & V.S.W.R

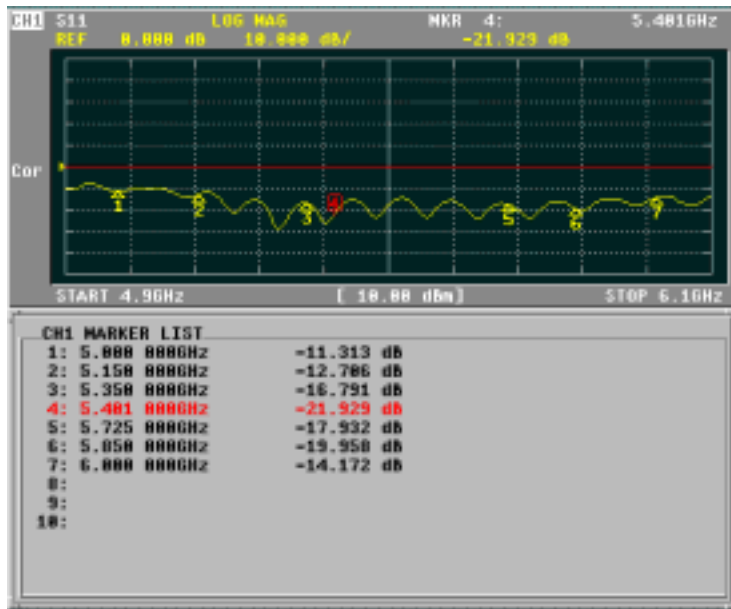


Adjustor to 60° Return loss

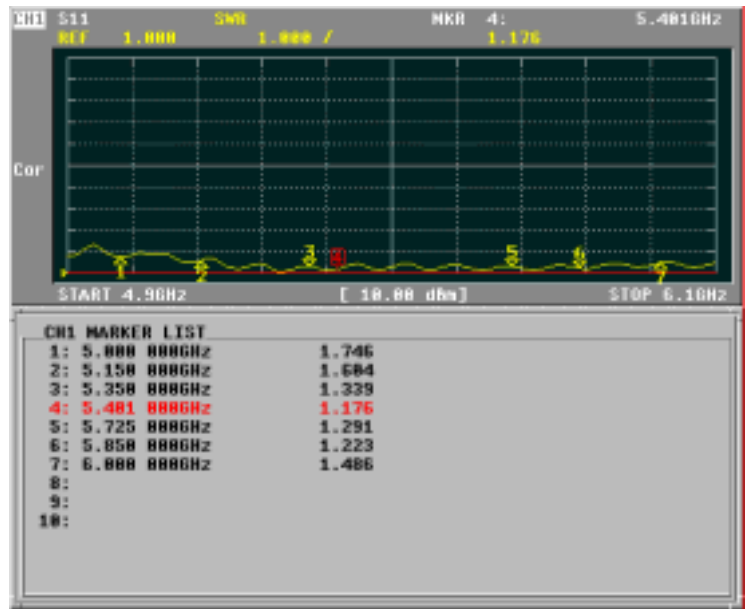


Adjustor to 60° V.S.W.R

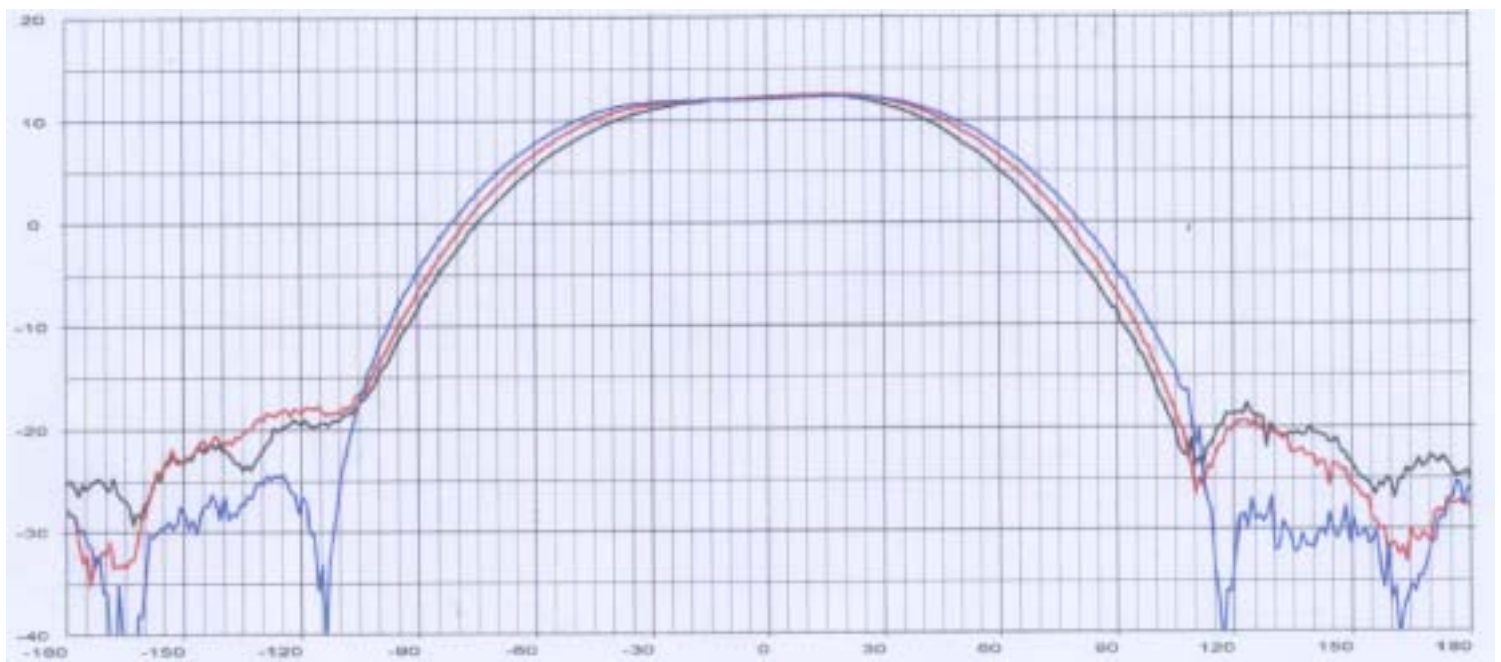




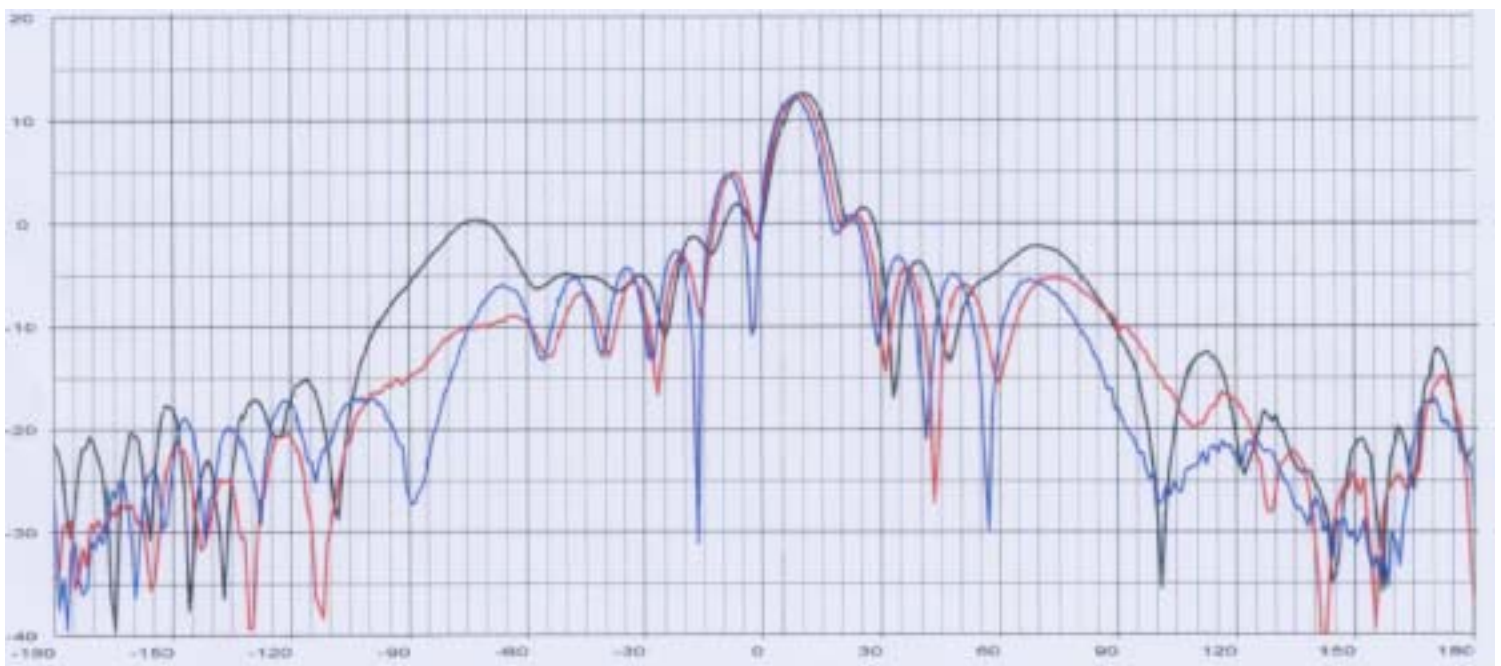
Adjustor to 90° Return loss



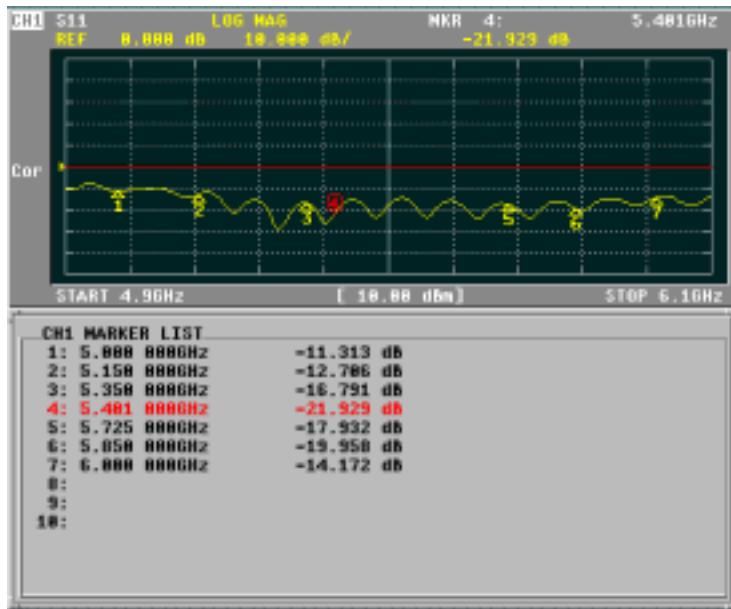
Adjustor to 90° V.S.W.R



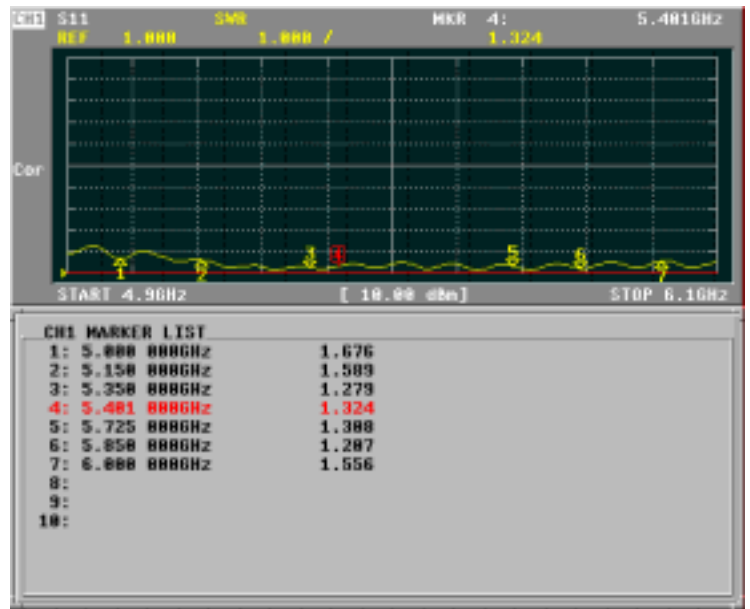
Horizontal H-plane co-pol ----- 3-dB beam-with=120°



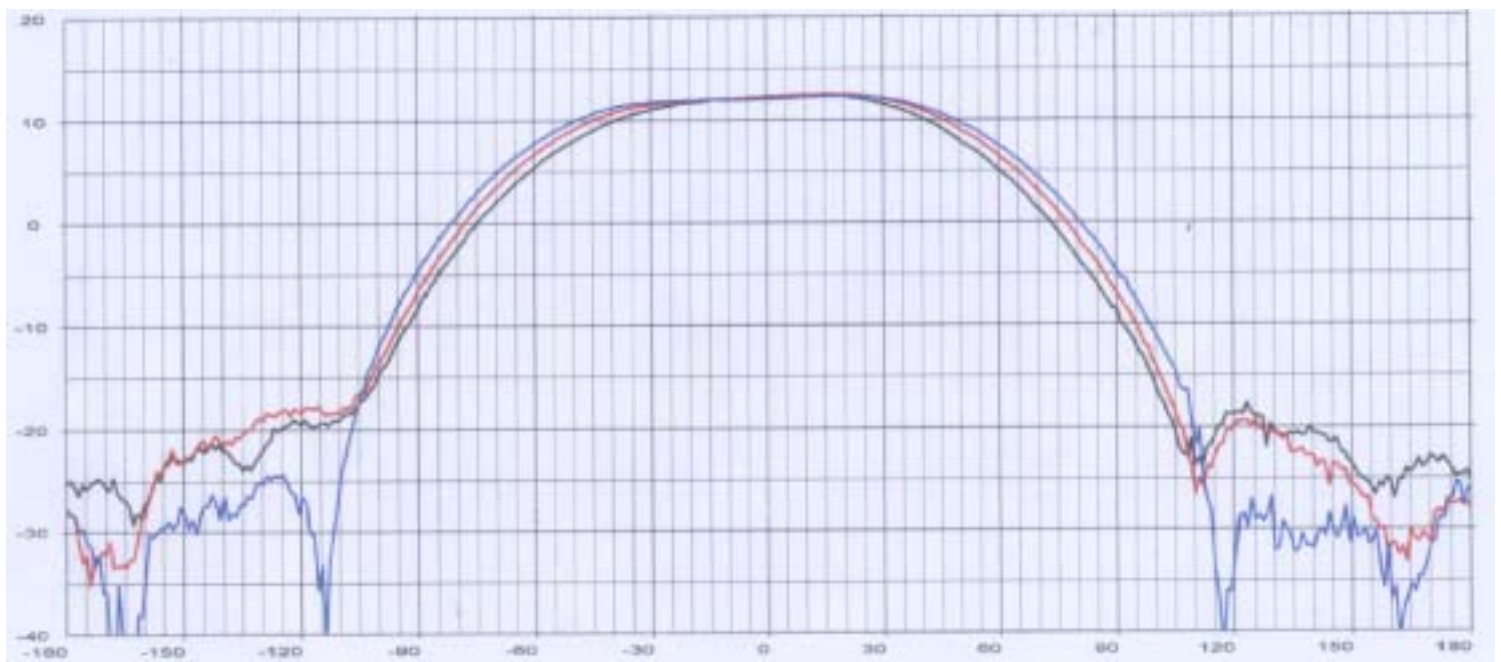
Vertical E-plane co-pol ----- 3-dB beam-with=12°



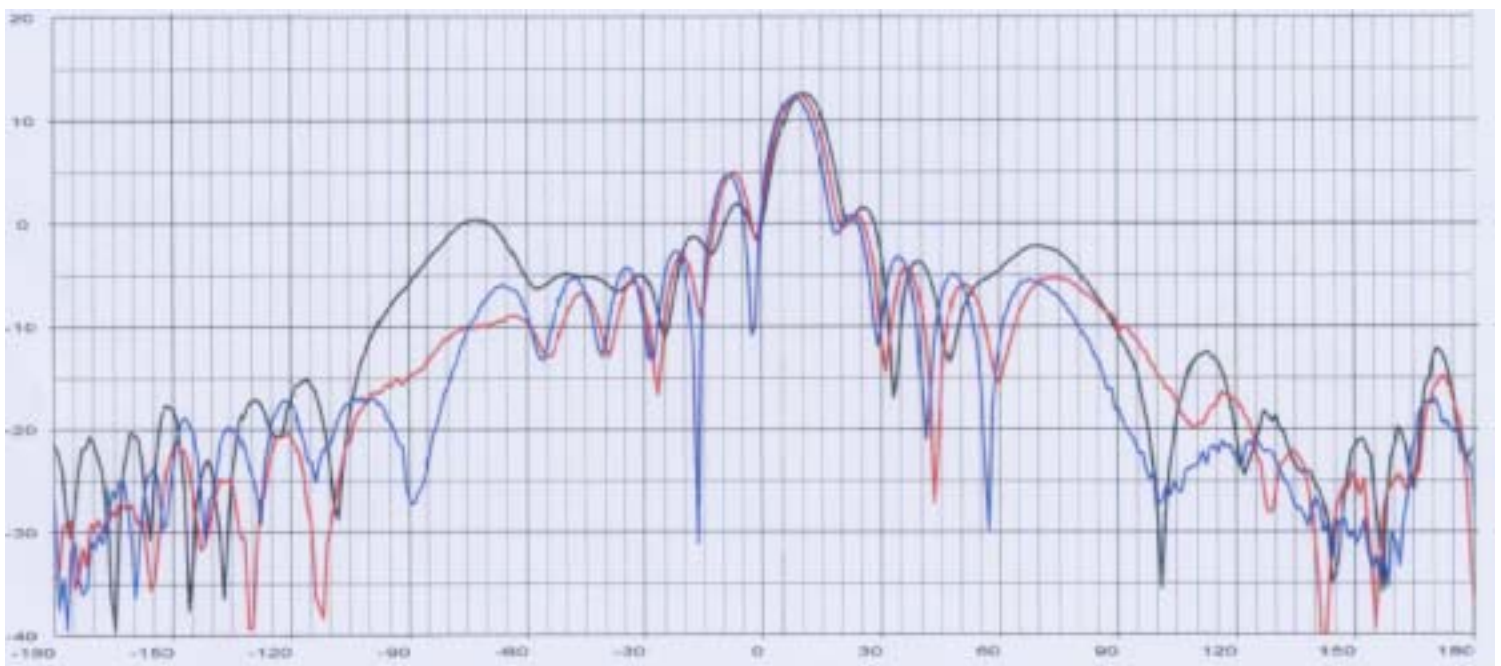
Adjustor to 120° Return loss



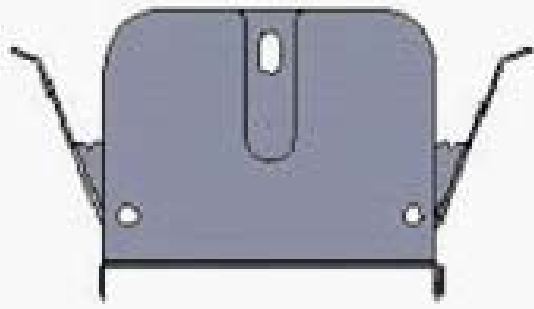
Adjustor to 120° V.S.W.R



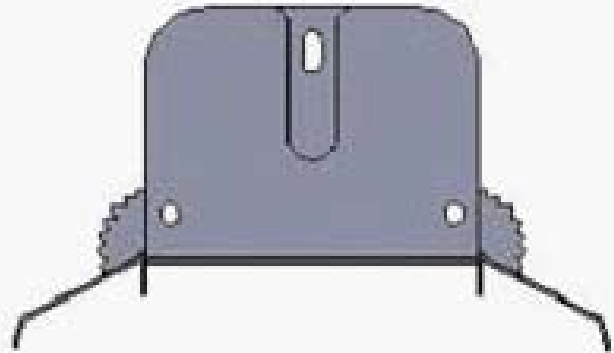
Horizontal H-plane co-pol ----- 3-dB beam-with=120°



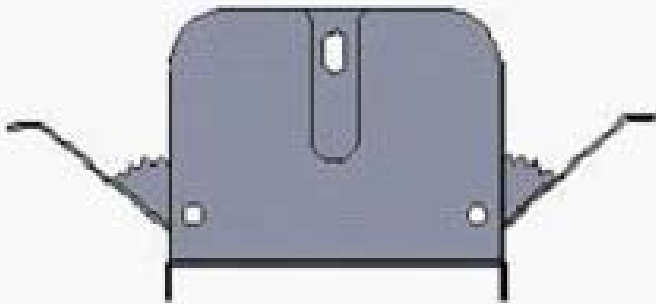
Vertical E-plane co-pol ----- 3-dB beam-with=12°



Horizontal 45 Degree



Horizontal 120 Degree



Horizontal 60 Degree



Horizontal 90 Degree

FT-RF

Fei Teng Wireless Technology Corp.
6F.,NO 10-10.Guangming 9st RD.,Jhubei city.
Hsinchu conutry302,Taiwan

TEL:886-3-5585239
FAX:886-3-5585143
<http://www.FT-RF.com>
e-mail:ft@ft168.com.tw