

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

- 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 – 5900 MHz
V.S.W.R	1.5
Gain	16dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-with	15 °
Horizontal Beam-with	90 °
Impedance	50Ω
Connector	N-Female

Mechanical Specifications

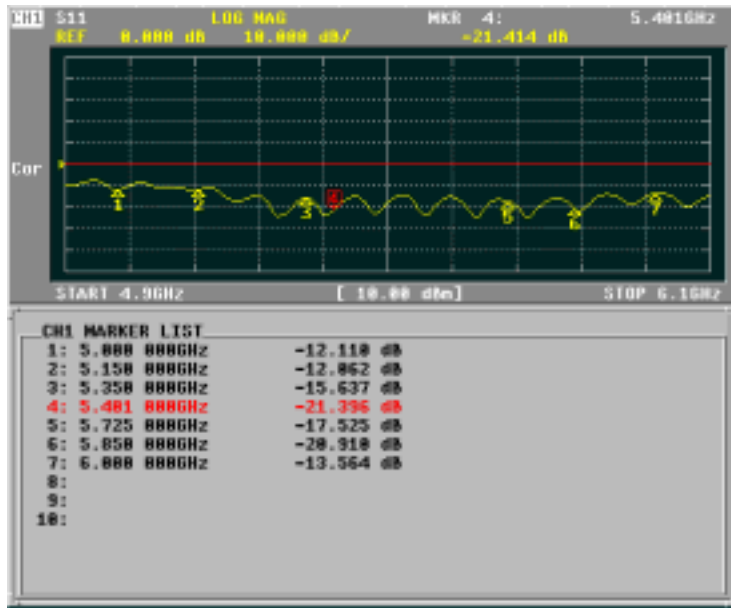
Length	620mm
Diameter	18mm
Weight	1500g
Wind Survival	> 150 MPH
Radome Material	Polymer & Metal
Operating Temperature	- 40 to + 80
Clamps / Mounting	U-bolt / 32 – 45mm
Down-tilt	L”Type 0-20 deg
RoHS Compliant	Yes



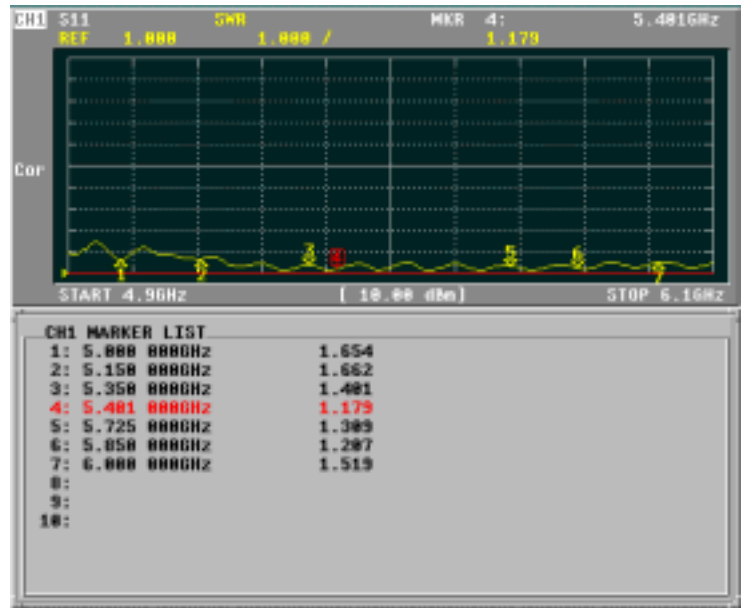
SE-515916-90 Test Report

5.1GHz-5.9GHz 90 deg Sectorized 16dBi Directional Antenna

Return loss & V.S.W.R

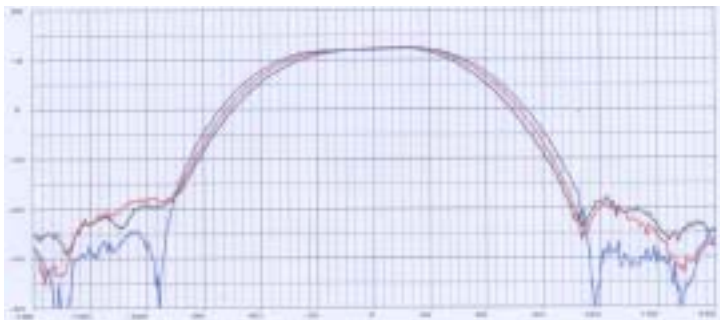


Return loss



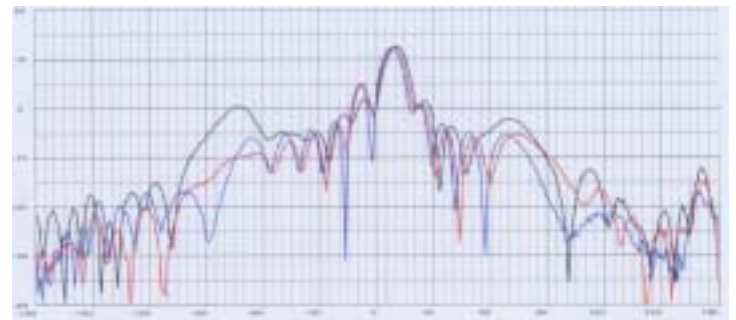
120° V.S.W.R

Antenna Vertical & Horizontal Pattern



Horizontal

H-plane co-pol ----- 3-dB beam-with=90°



Vertical

E-plane co-pol ----- 3-dB beam-with=15°

Spare Parts

Item	Product name	Amount
1	Antenna	1
2	Clip a slice fixedly	2
3	M6 U type screw	2
4	M6 screw	4
5	M6 Nut	8
6	M6 Slippery mat slice	8
7	“L” Aluminum Type support	1



Fei Teng Wireless Technology Corp.
6F.,NO 10-10.Guangming 9st RD.,Jhubei city.
Hsinchu contry302,Taiwan

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

