



### 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 – 5900 MHz
V.S.W.R	1.5
Gain	18dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-width	12 °
Horizontal Beam-width	120 °
Impedance	50Ω
Connector	N-Female

#### Mechanical Specifications

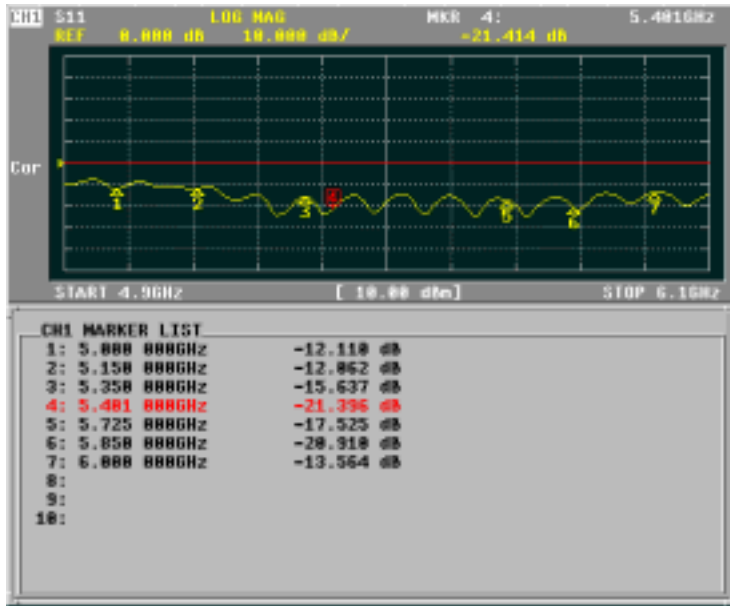
Length	900mm
Diameter	25mm
Weight	2500g
Wind Survival	> 150 MPH
Radome Material	Polymer & Metal
Operating Temperature	- 40 to + 80
Clamps / Mounting	U-bolt / 32 – 45mm
Down-tilt	0-20 degrees
RoHS Compliant	Yes



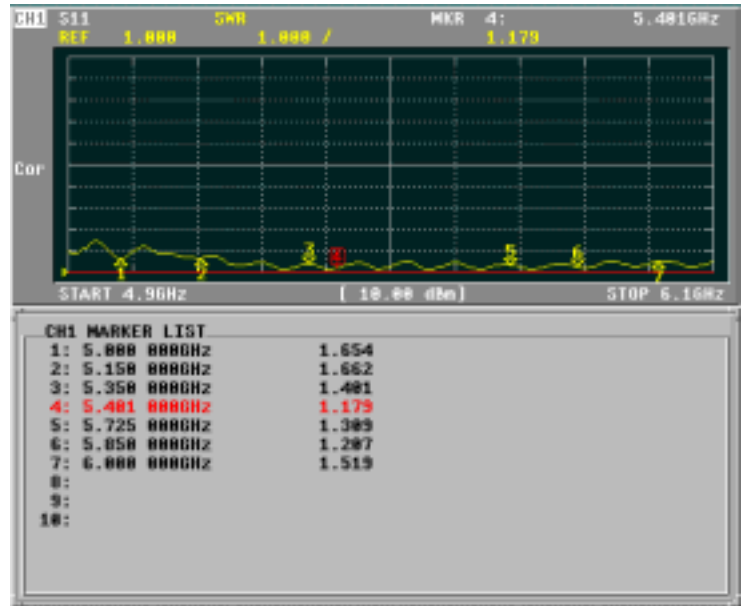
# SE-515918-120 Test Report

5.1GHz-5.9GHz 120 Deg 18dBi Sectorized Directional Antenna

## Return loss & V.S.W.R

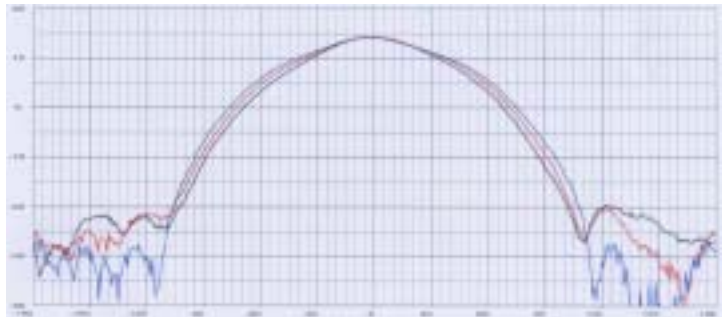


Return loss



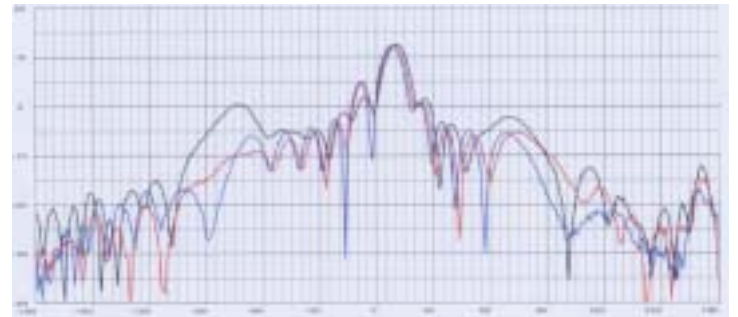
V.S.W.R

## Antenna Vertical & Horizontal Pattern



Horizontal

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



Vertical

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

## 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
8	Stainless steel the whole large and adjustable support –UP	1
9	Stainless steel the whole large and adjustable support –Down	1



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