

## 1.71~2.17GHz Mini OMNI Antenna with Gain 9dBi for N MALE MOA-1721-09N-M

### APPLICATIONS AND FEATURES

#### Applications:

- 1710~2170 MHz ISM Band
- 9dBi Directional and multipoint applications
- DCS1800 GSM1800 1.8GHz 2G
- PCS1900 GSM1900 1.9GHz
- PCS2000 GSM2000 3G 3.5G
- Public Wireless Hotspot
- WiFi, CDMA, RFID, GSM
- Wireless Video Systems

#### Features :

- Superior performance
- Light weight
- Optional Mounting Kits available
- Durable UV-stable
- Can be installed for either vertical or horizontal polarization
- RoHS Compliant

### SPECIFICATIONS:

MOA-1721-09N-M can be used in indoor and outdoor settings. MOA-1721-09N-M is made in Taiwan and comes with QC reports. The frequency is between 1.71-2.17GHz, and it is compatible with GSM1800 2G GSM1900 2.5G GSM2000, 3G & 3.5G. It can be mounted on an outdoor wall, or set on the desk. MOA-1721-09N-M comes with different types of mounting kits, N male connector, small quantity order is acceptable.



#### Electrical Specifications

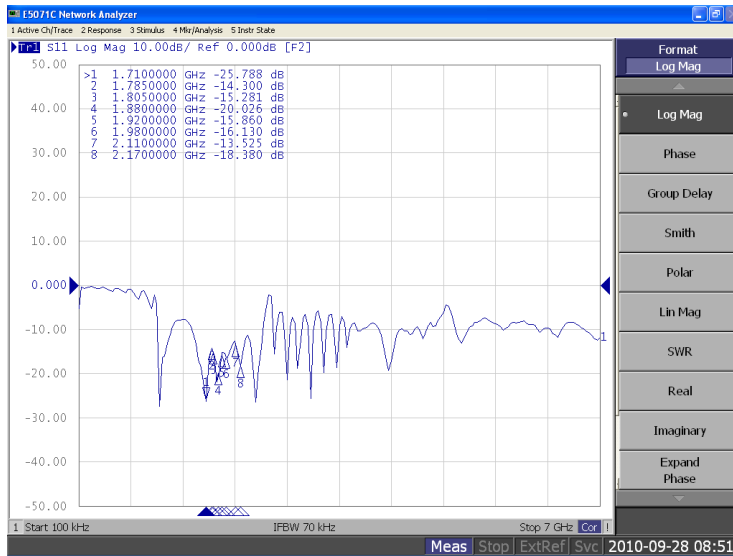
Frequency Range	1.71~2.17GHz
V.S.W.R	≤1.5
Return Loss	≤-13db
Antenna Type	Collinear
Gain	9dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-with	12°
Horizontal Beam-with	360°
Impedance	50Ω
Connector	N male

#### Mechanical Specifications

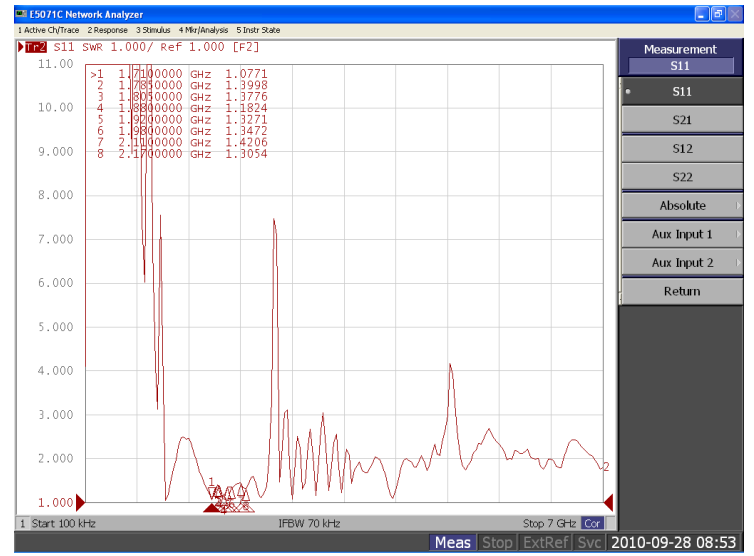
## TESTING REPORT:

Length	950mm
Diameter	18.8mm
Weight	245g
Wind Survival	> 120 MPH
Radome Material	White Fiberglass
RoHS Compliant	Yes
Operating Temperature	-40°C to +80°C
Clamps	Multiple options
Mounting	Multiple options

### Return Loss

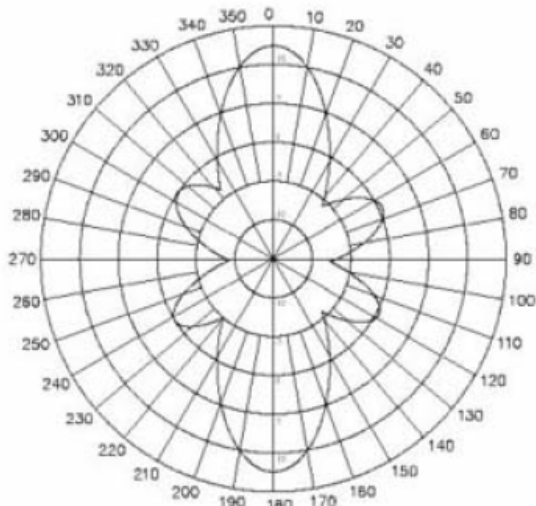


### V.S.W.R

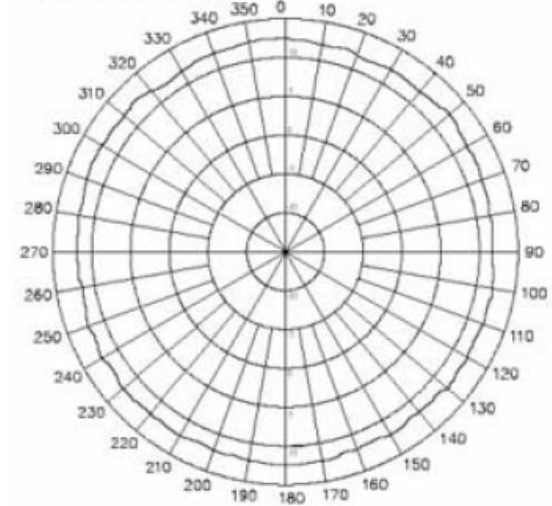


### Antenna Vertical & Horizontal Pattern

#### Vertical



#### Horizontal



# HwayaOTek

NO.6 ,Ln.48, Nansing Rd., Yong Kang City,  
Tainan County 710, Taiwan, R.O.C

TEL: +886-6-2712809

FAX: +886-6-2712870

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

Email: [sales@hwayaotek.com.tw](mailto:sales@hwayaotek.com.tw)