

# 4G LTE Cellular High Gain Mobile Antenna

698-960 / 1710-2700MHz

PART # WS-96WIR004



The WS-96WIR is a multi-band antenna intended for coverage across multiple networks, including the 4G LTE 700MHz, Next G 850 / 3G 900 / GSM 900/1800, PCS 1900, 3G 2100 bands. The antenna does away with the need for three separate antennas whilst maintaining specifically high gain across the 698-960Mhz band. It also offers performance for WiFi and 2.6GHz. The antenna utilises a 5m low loss cable lead directly attached to the antenna which allows ease of installation. The antenna is light weight, robust in design and fitted to a stainless steel spring making it perfect for fixed and mobile data applications.

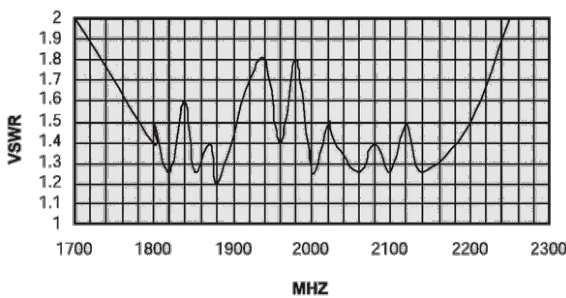
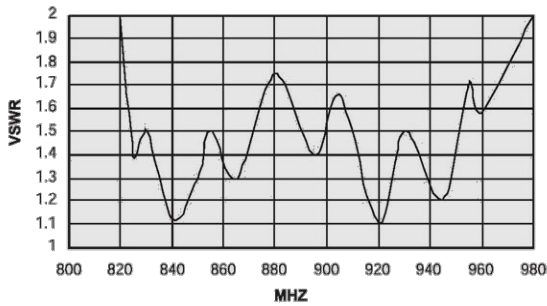
### Features:

- Multi Band Performance
- 7.0dBi Gain @ 698-960 MHz
- 3.0dBi Gain @ 1710-2700 MHZ
- Light Weight and Easy to install
- Fibreglass & Thick walled Radome
- Polished Barrel Stainless Steel Spring

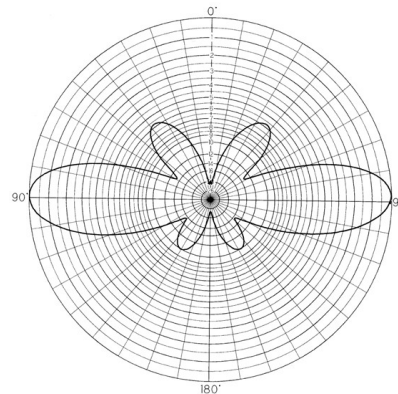
### Tuning:

- Factory Tuned, no further tuning required

### Return loss / V.S.W.R (Typical at 850MHz)



### Typical Pattern - 850MHz



Electrical

|                     |   |
|---------------------|---|
| Model Number        | WS-96WIR                                      |
| Frequency MHz       | 698-960 / 1710-2700                           |
| Nominal Gain dBi    | 7.0dBi @ 698-960 MHz & 3.0dBi @ 1710-2700 MHz |
| VSWR (Return Loss)  | <2.0:1  |
| Nominal Impedance Ω | 50  |
| Radiation           | Omnidirectional                               |
| Vertical Beamwidth  | 18 Deg @ 698-960 MHz                          |

Mechanical

|              |   |
|--------------|---|
| Model Number | WS-96WIR  |
| Construction | Fibreglass Radome, S/Steel Spring with Nickel Plated Brass fittings                 |
| Length mm    | 980 ( includes spring assembly )  |
| Diameter mm  | Fibreglass 16 / Spring 35   |
| Weight kg    | 0.75  |
| Termination  | 5m low loss solid copper core cable with SMA male connector or FME Female connector |