

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.

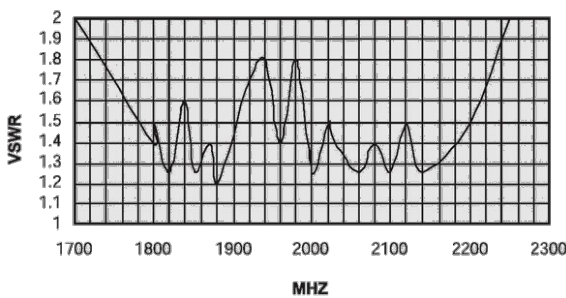
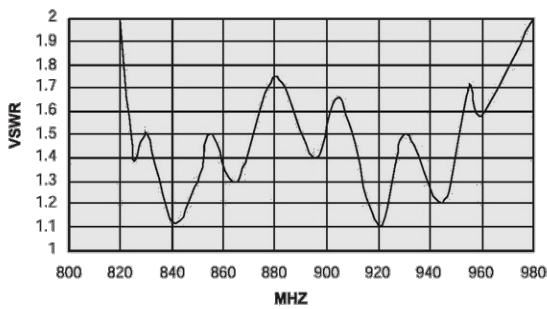
Features:

- 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

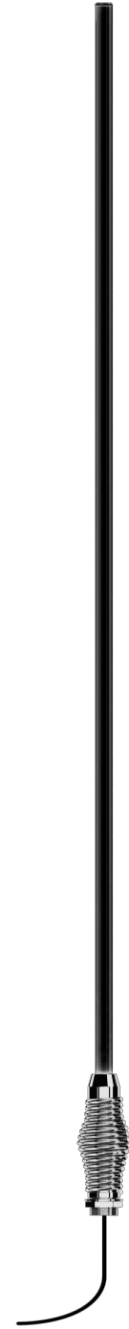
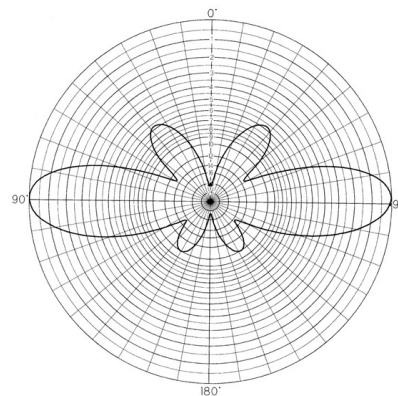
Tuning:

- 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