

# 1710-2170MHz Dual Polarization Manual Tilt Panel Antenna

## Electrical Specifications

Frequency Range	1710 - 2170 MHz
Gain	18.2 dBi GSM1800, 19 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	65°
Vertical Beamwidth	5.5° with nullfill
Electrical Downtilt	0° - 10° continuously adjustable
Upper Sidelobe Level	< -18 dB
Front to Back Ratio	> 30 dB
Isolation Between Ports	> 30 dB
Power Rating	300W
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



## Mechanical Specifications

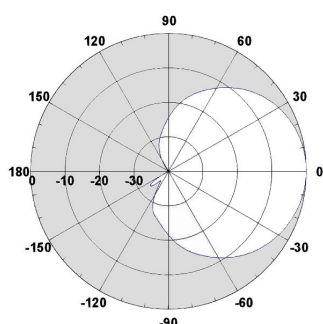
Antenna Dimensions	1590X160X95 mm
Packed Dimensions	2040x190x125 mm
Antenna Weight	10.5 kg
Radome Material	Polyester Fibreglass pultrusion

## Maximum Environmental Ratings

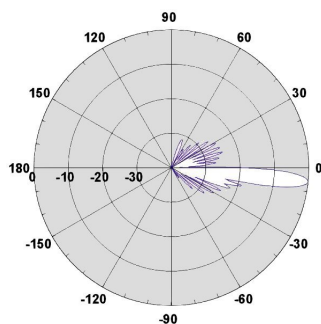
Humidity	95% RH @ +30°C
Lateral Loading (Front)	0.23 kN @ 160 km/h
Lateral Loading (Rear)	0.34 kN @ 160 km/h
Rain	140mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

## Mounting Options

F-074-S4	Fixed Clamps
T-075-S4	Adjustable Clamps



Azimuth



Elevation

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