

# 1710-2170MHz Dual Polarization Manual Tilt Panel Antenna

## Electrical Specifications

Frequency Range	1710 - 2170 MHz
Gain	17.8 dBi GSM1800, 18.5 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	$65^\circ$
Vertical Beamwidth	$7^\circ$
Electrical Downtilt	$0^\circ - 10^\circ$ continuously adjustable
Upper Sidelobe Level	< -16 dB
Front to Back Ratio	> 30dB
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	1330x160x95 mm
Antenna Weight	9 kg
Packed Dimensions	1780x190x125 mm
Radome Material	PVC

## Maximum Environmental Ratings

Temperature	$-40^\circ\text{C}$ to $+70^\circ\text{C}$
Humidity	95% RH @ $+30^\circ\text{C}$
Rated Wind Velocity	200 km/h
Lateral Loading (Front)	0.19kN @ 160 km/h
Lateral Loading (Rear)	0.28kN @ 160 km/h
Rain	140mm per hour

## Mounting Options

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

