

1710-2170MHz Dual Polarization Manual Tilt Panel Antenna

Electrical Specifications

Frequency Range	1710 - 2170 MHz
Gain	17 dBi GSM 1800, 17.8 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	85°
Vertical Beamwidth	5.5° with nullfill
Electrical Downtilt	0° - 10° continuously adjustable
Upper Sidelobe Level	< -16 dB
Front to Back Ratio	> 25 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

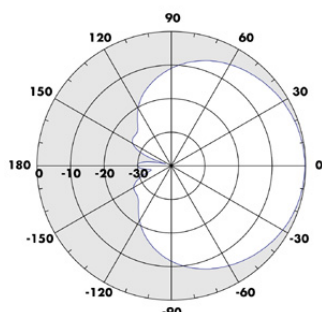
Antenna Dimensions	1590x160x95 mm
Antenna Weight	7.5 kg
Packed Dimensions	2040x190x125 mm
Radome Material	PVC

Maximum Environmental Ratings

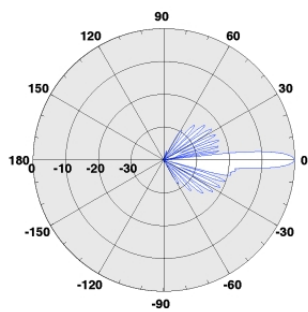
Humidity	95% RH @ +30°C
Lateral Loading (Front)	0.23 kN @ 160 km/h
Lateral Loading (Rear)	0.34 kN @ 160 km/h
Rain	140mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

Mounting Options

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



Azimuth



Elevation

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