

1710-2170MHz Dual Polarization Manual Tilt Panel Antenna

Electrical Specifications

Frequency Range	1710 - 2170 MHz
Gain	20.5 dBi GSM1800, 21.5 dBi UMTS
Return Loss	> 14 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	32°
Vertical Beamwidth	5° with nullfill
Electrical Downtilt	$0^\circ - 10^\circ$ continuously adjustable
Upper Sidelobe Level	< -16 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

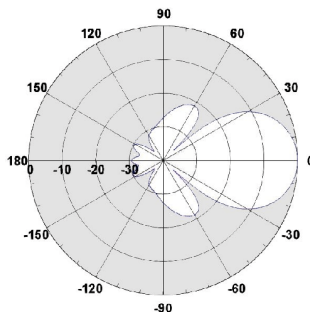
Antenna Dimensions	1800x300x115 mm
Packed Dimensions	1930x330x205 mm
Antenna Weight	16.5 kg
Radome Material	PVC

Maximum Environmental Ratings

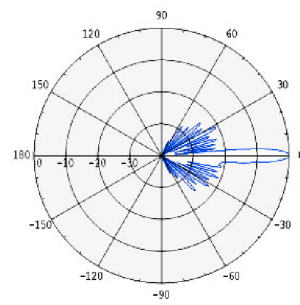
Humidity	95% RH @ $+30^\circ\text{C}$
Lateral Loading (Front)	0.75 kN @ 160 km/h
Lateral Loading (Rear)	0.82 kN @ 160 km/h
Rain	140mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to $+70^\circ\text{C}$

Mounting Options

F-042-GL-E	Fixed Clamps
T-029-GL-E	Adjustable Clamps



Azimuth



Elevation

Last Updated: 23-11-2007