

824-890MHz Dual Polarization Manual Tilt Panel Antenna

Electrical Specifications

Frequency Range	824 - 890 MHz
Gain	19.5 dBi
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	35°
Vertical Beamwidth	8°
Electrical Downtilt	$0^\circ - 10^\circ$ continuously adjustable
Upper Sidelobe Level	< -18 dB
Front to Back Ratio	> 30 dB
Isolation Between Ports	> 30 dB
Power Rating	500W
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



Mechanical Specifications

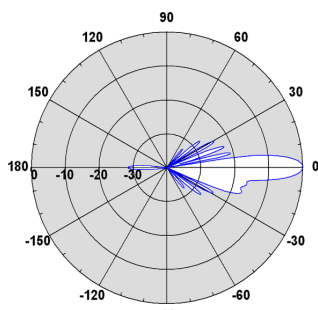
Antenna Dimensions	2350x480x95 mm
Packed Dimensions	2580x520x240 mm
Antenna Weight	24 kg
Radome Material	Fibreglass

Maximum Environmental Ratings

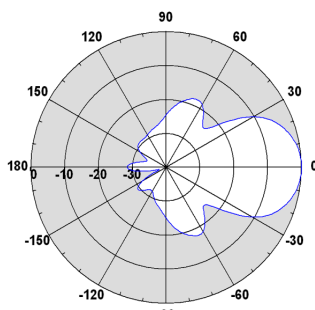
Humidity	95% RH @ 30°C
Lateral Loading (Front)	1.70 kN @ 160 km/h
Lateral Loading (Rear)	1.77 kN @ 160 km/h
Rain	140mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to $+70^\circ\text{C}$

Mounting Options

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



Elevation



Azimuth

Last Updated: 26-03-2009