

1710/2170 MHz Dual Beam Remote Tilt Panel Antenna

Electrical Specifications

Frequency Range	1710 - 2170 MHz
Gain	19 dBi GSM1800, 20 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	32° at $\pm 30^\circ$ azimuth
Vertical Beamwidth	7° with nullfill
Electrical Downtilt	$0^\circ - 10^\circ$ continuously adjustable
Upper Sidelobe Level	< -18 dB
Front to Back Ratio	> 30 dB
Isolation Between Ports- Polarizations	> 25 dB
Isolation Between Ports- Beams	> 20 dB
Power Rating	300W
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC Grounded
Connector Type	7-16 DIN female
RET Type	Internal motor & manual override
RET Interface	AISG 2 Remotely upgradeable
RET Connector	Single AISG 8 pin male



Mechanical Specifications

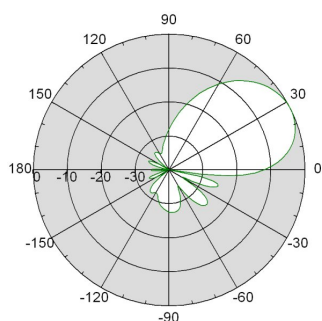
Antenna Dimensions	1330x370x120 mm
Packed Dimensions	1700x400x210 mm
Antenna Weight	18 kg
Radome Material	Polyester Fibreglass pultrusion

Maximum Environmental Ratings

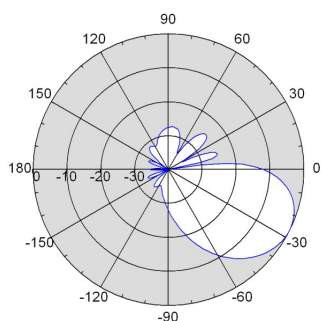
Humidity	95% RH @ +30°C
Lateral Loading (Front)	0.72 kN @ 160 km/h
Lateral Loading (Rear)	0.49 kN @ 160 km/h
Rain	140 mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

Mounting Options

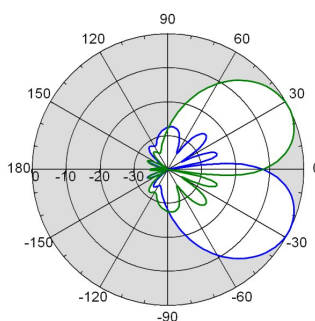
T-041-GL-E	Adjustable Clamps
F-042-GL-E	Fixed Clamps



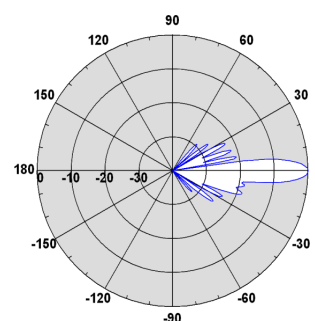
Azimuth Beam 1



Azimuth Beam 2



Azimuth - Superimposed



Elevation

Last Updated: 02-12-2009



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