

824-960/1710-2170MHz Dual Band Remote Tilt Panel Antenna

Electrical Specifications

Frequency Range	824 - 960 / 1710 - 2170 MHz
Gain	16.5 dBi GSM900, 16.8 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	85°
Vertical Beamwidth	7° with nullfill
Electrical Downtilt	0° - 10° independently continuously adjustable
Upper Sidelobe Level	< -18 dB
Front to Back Ratio	> 22dB
Power Rating	500W GSM900 MHz, 300W UMTS
Isolation Between Ports	> 30 dB
Intermodulation	< -150 dBc (2 x 43dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female
RET Type	Internal motor & manual override
RET Interface	AISG1 Remotely upgradeable
RET Connector	Single AISG1 8 pin male



Mechanical Specifications

Antenna Dimensions	2630x370x120 mm
Packed Dimensions	2760x400x210 mm
Antenna Weight	30 kg
Radome Material	Polyester Fibreglass pultrusion

Maximum Environmental Ratings

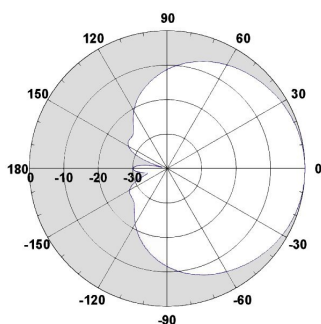
Humidity	95% RH @ +30°C
Lateral Loading (Front)	1.43 kN @ 160 km/h
Lateral Loading (Rear)	0.92 kN @ 160 km/h
Rain	140 mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

Mounting Options

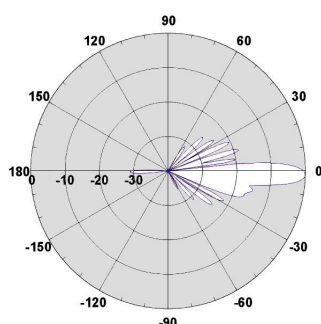
T-029-GL-E	Adjustable Clamps
F-042-GL-E	Fixed clamps

Product Options

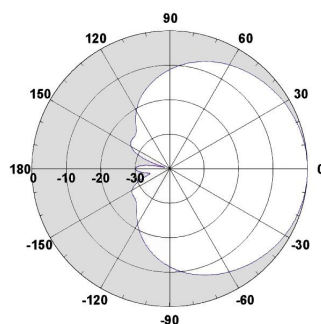
CNPX410R-2P	2 Port
CNPX410R-4P	4 Port



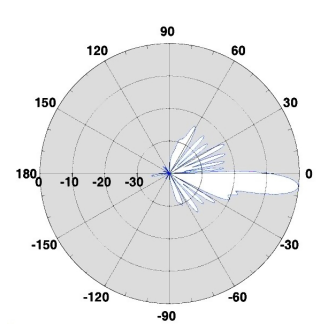
Azimuth



Elevation



Azimuth (High Band)



Elevation (High Band)

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