

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

Electrical Specifications

Frequency Range	824 – 960 / 1710 – 2170 MHz
Gain	17 dBi GSM900, 17dBi GSM1800, 18 dBi UMTS
Return Loss	> 15 dB
Polarization	Dual Slant $\pm 45^\circ$
Horizontal Beamwidth	65°
Vertical Beamwidth	9° GSM900, 6.5° UMTS with nullfill
Electrical Downtilt	0° – 10° independently continuously adjustable
Upper Sidelobe Level	< -16 dB
Front to Back Ratio	> 25 dB
Isolation Between Ports	> 30 dB
Power Rating	500W GSM900, 300W UMTS
Intermodulation	< -150 dBc (2 x 43 dBm)
Impedance	50 ohm
Lightning Protection	DC grounded
Connector Type	7-16 DIN female



Mechanical Specifications

Antenna Dimensions	2120x370x120 mm
Antenna Weight	25 kg
Packed Dimensions	2250x400x210 mm
Radome Material	Polyester Fibreglass pultrusion

Maximum Environmental Ratings

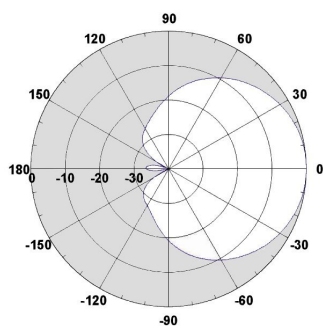
Humidity	95% RH @ +30°C
Lateral Loading (Front)	1.15 kN @ 160 km/h
Lateral Loading (Rear)	0.76 kN @ 160 km/h
Rain	140mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40°C to +70°C

Mounting Options

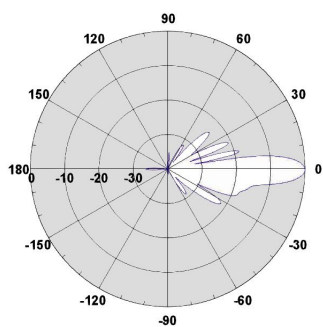
F-042-GL-E	Fixed Clamps
T-029-GL-E	Adjustable Clamps
HCN-08	3-Sector Head-Frame
HCN-08-P	3-Sector Head-Frame

Product Options

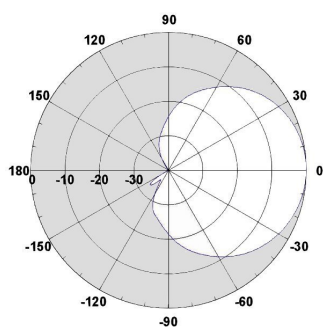
CNPX308.10M-2P-E1	2 Port
CNPX308.10M-4P-E1	4 Port



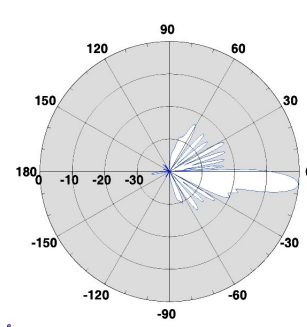
Azimuth



Elevation



Azimuth (High Band)



Elevation (High Band)

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