

PRODUCT SPECIFICATIONS

NNNOX310R

1710-2170 MHz 3-Sector Remote Tilt Pipe Antenna

RF SPECIFICATIONS

Frequency Range	1710-2170 MHz	
	1710-1880	1920-2170
Gain	17.5 dBi GSM 1800	18 dBi UMTS
Return Loss	> 15 dB	
Polarization	Dual Slant $\pm 45^\circ$	
Horizontal Beamwidth	65°	63°
Vertical Beamwidth	7° with nullfill	6.5°
Electrical Downtilt	0° - 10° adjustable (No manual Override)	
Upper Sidelobe Level	< -16 dB	
Front to Back Ratio	25 dB typical	
Isolation Between Ports	> 30 dB	
Isolation Between Sectors	> 30 dB	
Power Rating	300W	
Intermodulation	< -150 dBc (2 x 43 dBm)	
Impedance	50 ohm	
Connector Type	7-16 DIN female	
RET	AISG connector on base, motor internal	
Interface	AISG 2, 3GPP, software uploadable	



MECHANICAL DATA

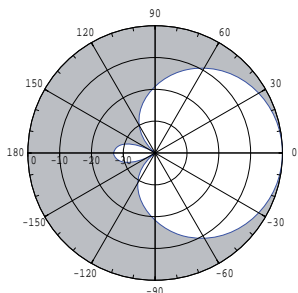
Antenna Diameter	160 mm
Antenna Length	1560 mm (pipe mount 190mm)
Interface	Circular flange
Length of Pipe Mount	195 mm
Weight	16.6 kg
Radome Material	Polyester Fibreglass Pultrusion

PRODUCT OPTIONS

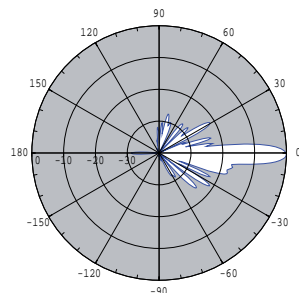
JPC-1	Mounting Base Cover
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MAXIMUM ENVIRONMENTAL RATINGS

Humidity	95% RH @ + 30°C
Lateral Loading	0.27 kN @ 160 km/h
Rain	140 mm per hour
Rated Wind Velocity	200 km/h
Temperature	-40° to +70°C



Azimuth



Elevation

Last Modified: 19/10/2010

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