Rotatable Log Periodic Antenna

Product Description

The HLO series are high performance, rotatable log periodic antennas designed to provide reliable link establishment over short, medium and long distances with mobile stations.

Features/Benefits

•Characterized by high gain performance while maintaining excellent front to back ratio, the HLO antennas are capable of providing coverage in excess of 5000kms
•The broadband feature enables transmission over 4-30MHz (HLO430) and 6-30MHz (HLO630) band. A high performance rotary joint enables continuous rotation with a complete 360º turn achieved in two minutes.
•A unique design feature of the HLO antenna series is the ability to raise and lower the antenna without the use of cranes or special erection towers.

Technical Specifications

Product Line	Antenna, Fixed
Product Type	Directional antenna - Rotatable Log Periodic
Frequency Range, MHz	6 - 30
Power Rating, kW	10 Average, 20 PEP
Impedance, ohms	50 nominal
Polarization	Horizontal
Isotropic Gain, dBi	11 nominal
VSWR	2.05:1
Azimuth 3dB Beamwidth, degrees	72 nominal
Elevation Radiation Pattern	refer diagrams
Mast/Antenna Height, m (ft)	16.5 (54.1)
Ground Dimensions, m (ft)	25 (82) diameter
Boom Length, m (ft)	18 (59)
Dipole Span, m (ft)	24 (78.7)
Number of Dipoles	12
Rotation	continuous, 1/2 turn per minute
Wind Rating (no ice), km/h (mph)	200 (125) Note#1
Packed Weight, Kg (lb)	7000 (15400)

Notes

Note 1 Wind ratings calculated in accordance with AS1170-1981: Part 2,"SAA Loading Codes, Wind Forces".

Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering

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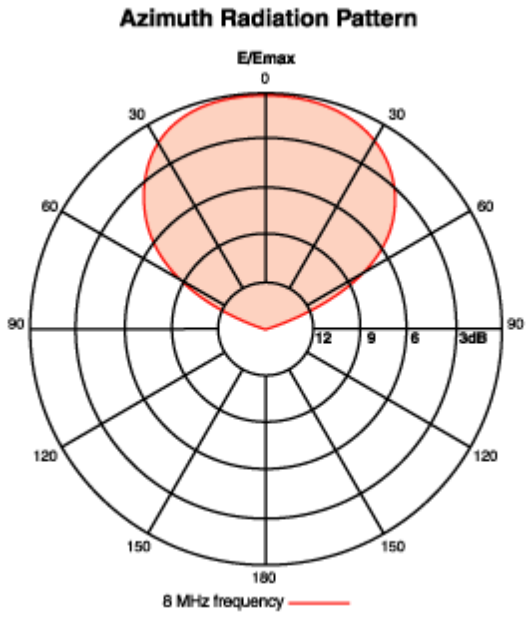

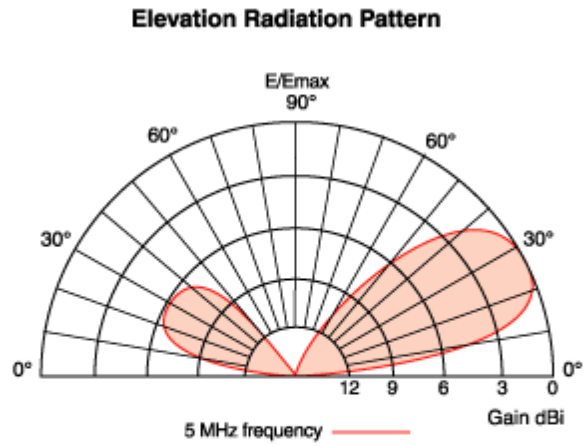

Elevation Radiation Pattern

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