



Commercial Log-Periodic Antenna

- ★ High Directive Gain
Medium to Long Range Communications
- ★ Light Weight, Easy and Rapid Installation

CLP930R



Model CLP930R, Illustration

DESCRIPTION AND APPLICATION

The CD Model CLP930R is uni-directional HF log-periodic antenna. It exhibits extremely wide band operating characteristics. Design frequencies allow for operation over the frequency range of 10 through 25 MHz.

It will provide high gain uni-directional characteristics within design frequencies in conjunction with the capability of quickly and easily changing the operating frequency.

The optimum communication range is from 500km-3000 km or above.

Mechanically, each dipole elements and its feed line is supported by a rugged heavy wall tubing boom structure. The elements are all step tapered to provide minimum wind loading. All the materials have been subject to strict selection process to assure the highest quality for long durability and reliable service.

The CLP930R is supplied with the antenna only and does not include the mast for installation.

The specifications of CLP930R is detailed as follows.

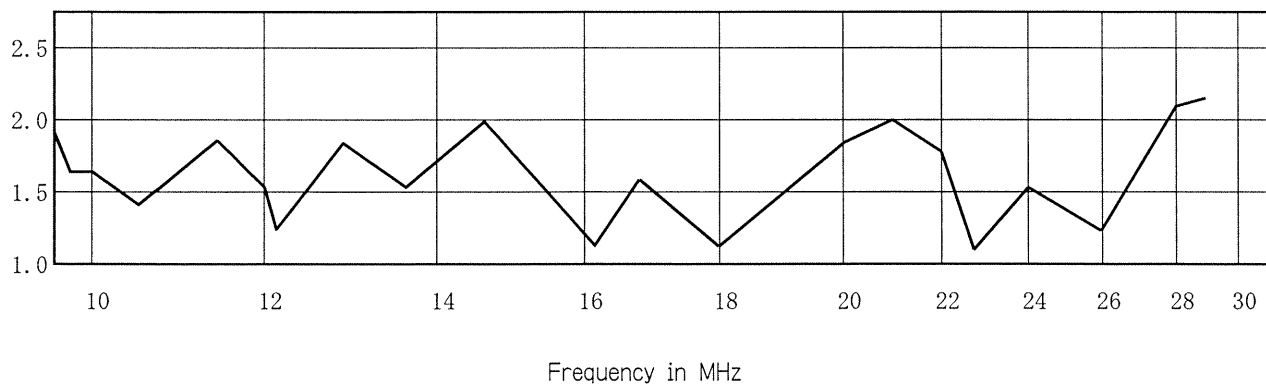
SPECIFICATIONS

Model No.	CLP930R
Frequency Range	10~25MHz
Polarization	Horizontal
Forward Gain	12 dBi
Front To Back Ratio	15 dB
Azimuth Half Power Beamwidth	75°~65°
Input Impedance	50 ohms
VSWR Nominal	2.0:1
Total Number of Elements	10
Boom Length	9.1 m
Longest Element Length	14.3 m
Turning Radius	8.3 m
Suggested Mast Dia.	75~90 mm
System Net Weight	66 kg
Wind Loading Capability	57 m/s
Recommended Antenna Height	20 m
Recommended Rotator	RC-10S

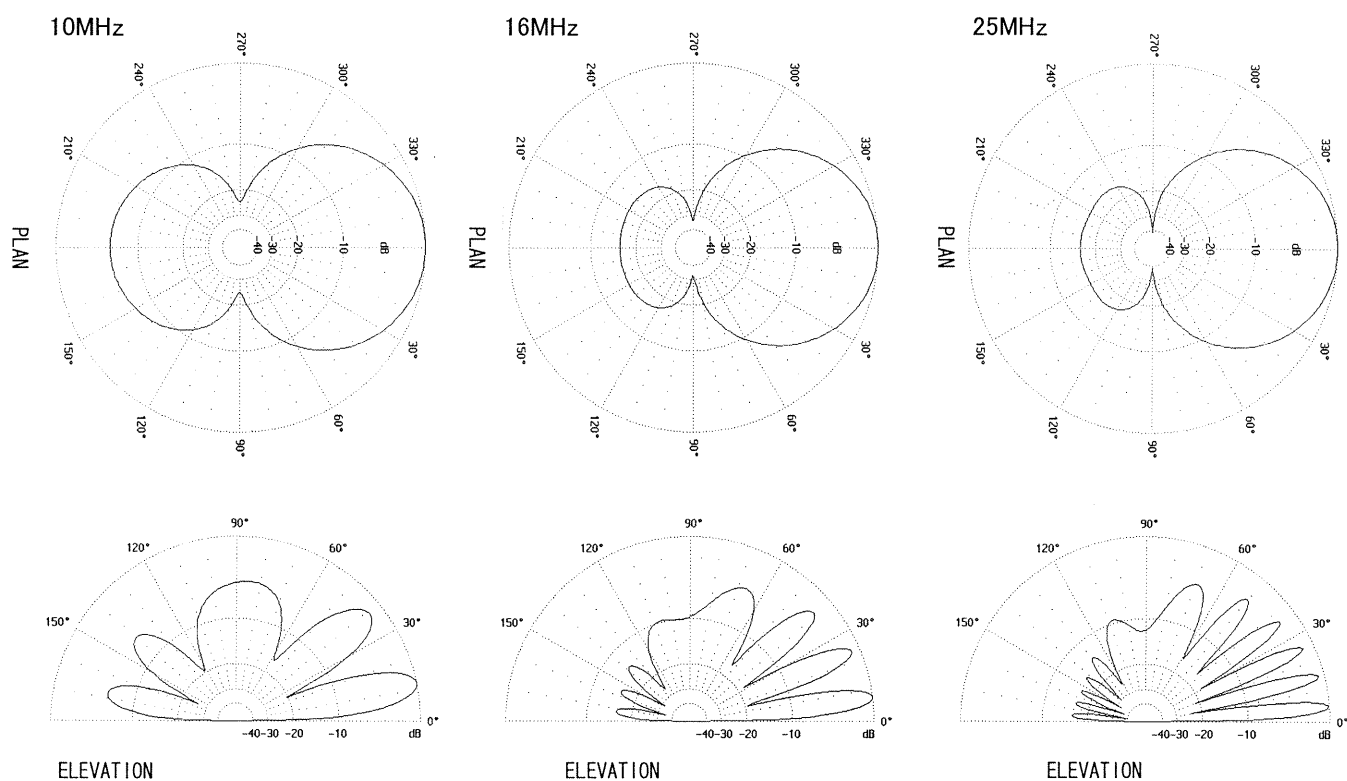
POWER CAPABILITY AND INPUT CONNECTOR

- CLP930R-1. Transmit 1kW/2kW PEP Type -N-
CLP930R-2. Transmit 3kW/5kW PEP Type -HN-

VSWR



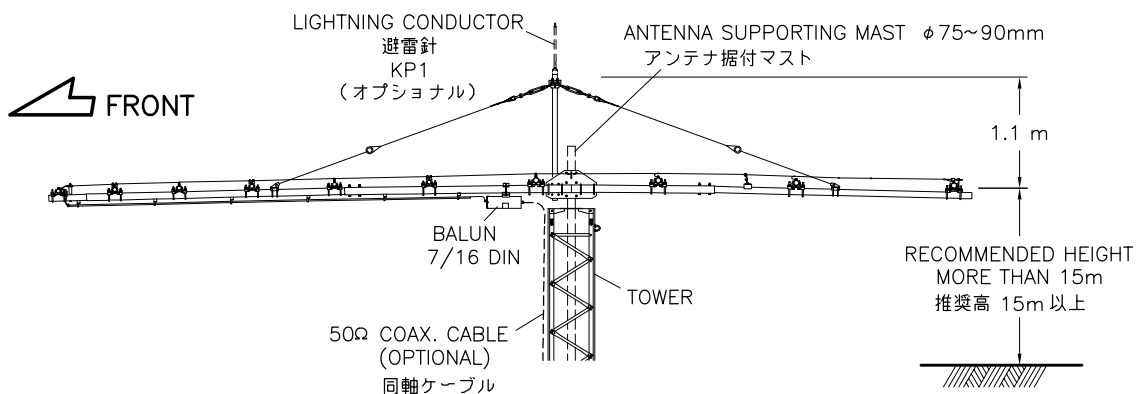
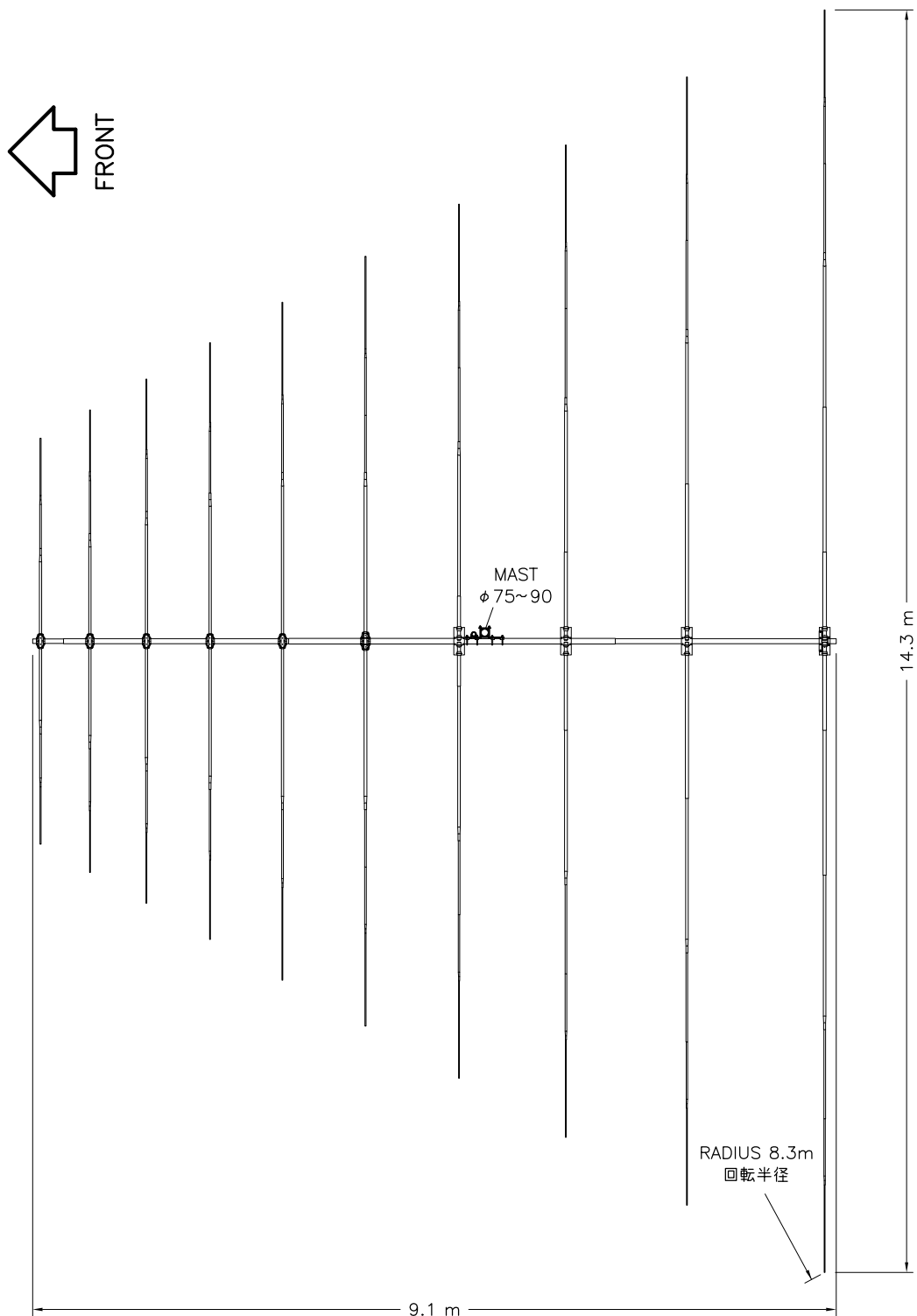
model CLP930R VSWR CHART 25mh
VSWR特性



Azimuth pattern at elevation angle of beam maximum. (gain in dBi)
Antenna height 35m.

水平面のパターンは高さ35mの場合の最大放射角のものです。

Figure 1-1. model CLP930R, VSWR Chart and Radiation Pattern
VSWR特性と放射パターン



NOTES: DIMENSIONS ARE IN METERS.

記 : 寸法はメートル

ログペリオディックアンテナ

Figure 1-2. Log Periodic Antenna, CLP930R-2.

DWGA.075B