

APPLICATIONS

The LPH-0300 is a series of horizontally polarized fixed station, log periodic antennas normally used for short range communications in the 2-30 MHz frequency band. 1.5-2.0 MHz, Receive only. (VSWR not stated)

FEATURES

All RF connections are galvanic compatible and well-rounded to minimize the possibility of corona at high power levels.

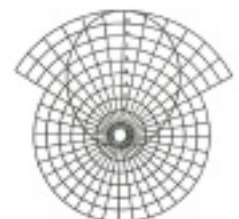
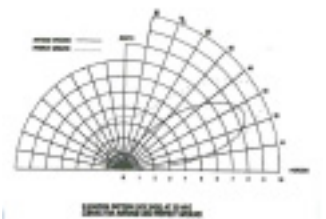
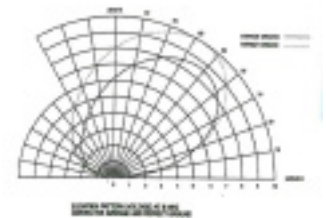
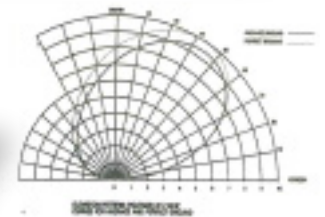
CHARACTERISTICS

The LPH-0300 series antennas are broadband and will operate within the defined frequency range without any adjustments or tuning.

SHORT RANGE

HORIZONTAL POLARIZATION

LOG PERIODIC ANTENNAS



EQUIPMENT SUPPLIED

Prefabricated curtain, a bolted 6061-T6 aluminum tower, guy wires, anchors, balun, front poles, spare hardware, ground hardware.

OPTIONAL EQUIPMENT

Galvanized tower, balun transformer, obstruction lights, ladders, climbing devices, erection kit, and repair tool kit. Coaxial cable, connector adapters and mating adapters.

SPECIFICATIONS

GAIN (PERFECT GROUND)	8.5 to 11 dBi
BACK AND SIDE LOBE	14 dB minimum
INPUT IMPEDANCE	50 Ohms balanced
VSWR	2:1 maximum
POWER CAPABILITY	
/1	receiving to 1kW avg/2 kW PEP
/2	10 kW avg/20 kW PEP
AZIMUTH BEAM WIDTH	80° (typical)
WIND LOADING	120 mph

MODEL	0304	0306	0308
FREQUENCY RANGE	2-30 MHz	3-30 MHz	4-30 MHz
MAXIMUM HEIGHT (H)	136 ft	84 ft	68 ft
LENGTH (L)	281 ft	187 ft	141 ft
WIDTH (W)	417 ft	278 ft	209 ft
SHIPPING WEIGHT (lbs)	2,000	1,600	1,000
SHIPPING VOLUME (cu ft)	80	55	40