



# BROADBAND PROPAGATION

## Antenna Design & Supply

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## Broadband Propagation UHF Transportable Log Periodic Antennas

A range of portable log Periodic Antennas suited for point to point communications, tactical and ECM/ ECCM deployment. These antennas are fully rugged, easily transported and assembled and can be operated with either horizontal or vertical polarisation. An optional canvas carry bag can be provided with the antenna. Antennas are supplied with an olive drab finish. Special snap-on connections enable extremely rapid assembly and disassembly.

### BP-L22-45

This is a "standard size" Yagi and is used in the radio relay, band-1 frequency range for medium range relay links and point to point links carrying voice and data. Construction is of marine grade stainless steel and a specialized Aluminium alloy tubing, lighter and much stronger than fibreglass. Mounting is via a 40mm spigot/ ferrule.

#### SPECIFICATION

Frequency Range:	225-450 MHz
Gain:	10-13dBi
VSWR:	2:1
Power Rating	250 watts
Input Connection:	N type female via floating coaxial lead.
Antenna Length:	1.1 metres
Antenna Width:	0.68 metres
Antenna Weight:	2.8 kg

### BP-CL22-45

This is a compact version of the standard size BP-L22-45 Yagi and is used in the radio relay, band-1 frequency range for medium range relay links and point to point links carrying voice and data. Construction is of marine grade stainless steel and fibreglass. This antenna has a smaller assembled size which may offer some advantages in tactical use. Mounting is via a 40mm spigot/ ferrule. *Strength and ruggedness is not as high as the BP-L22-45 due to the necessity for fibreglass elements in the' design.*

#### SPECIFICATION

Frequency Range:	225-450 MHz
Gain:	10-13dBi
VSWR:	2:1
Power Rating	250 watts
Input Connection:	N type female via floating coaxial lead.
Antenna Length:	0.8 metres
Antenna Width:	0.5 metres
Antenna Weight:	2.8 kg