



# DIRECTIVE SYSTEMS

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## 1269 MHz Loop Yagi, Model 2445LY

### SPECIFICATIONS

Frequency Range:	1.22-1.28 GHz
Number of elements:	45
Boom Length:	72 inches
Boom diameter:	1 inch
Mast diameter:	1 1/2 inch max.
Weight:	5 pounds
Connector:	Type N female
Gain:	20 dBi
3 dB Beamwidth (E Plane) :	= 16°
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking distance:	24 inches vertical (H) plane 26 inches horiz. (E) plane

### ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the two preassembled antenna sections and the hardware package. The boom is broken between elements D21 and D22. Remove D22 from the front boom piece and slide boom pieces together to alignment marks. Replace D22 and retighten. (D22 is the element approximately 0.5 inch from the end of the boom section; it will only fit together one way.)
- 2) Attach the boom to mast plate to the boom with the hardware provided. Install the U-bolts so that the mast comes up directly under the boom.
- 3) Attach the feed line, and tape it to the bottom of the boom. The connector should be sealed with electronic grade RTV or equivalent. Don't forget to seal the area where the .141" semi rigid coaxial cable extends into the rear of the antenna connector.
- 4) Straighten any mis aligned elements and tighten hardware if necessary.
- 5) The antenna SWR has been adjusted at the factory for less than 1.3:1. Additional tweaking can be accomplished by adjusting the distance between the driven element and R1 and D1, or by adjusting the shape of the driven element.
- 6) If antennas are to be stacked, see "Instructions For Stacking Loop Yagis"
- 7) Enjoy your new antenna, good DX, and don't forget to point your antenna toward Maine during the next UHF band opening!