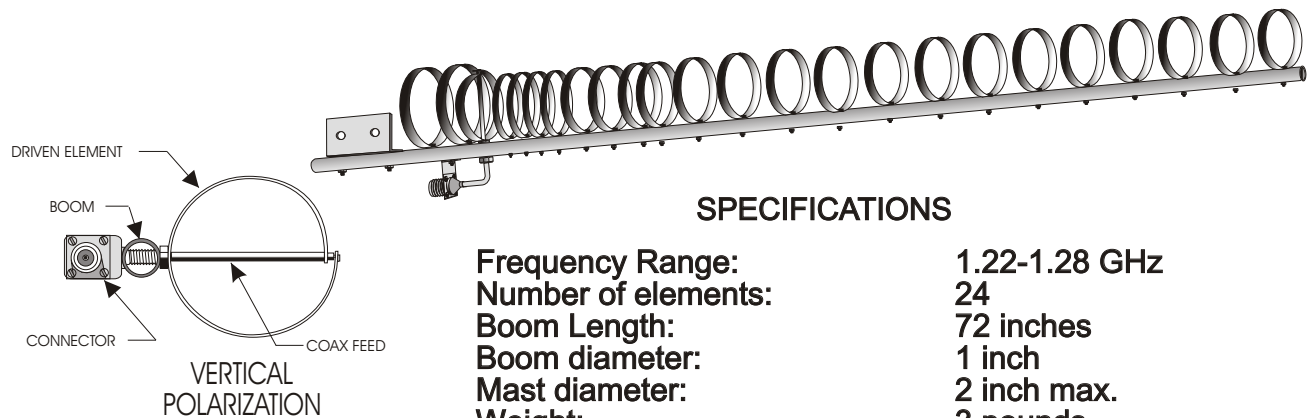




# DIRECTIVE SYSTEMS

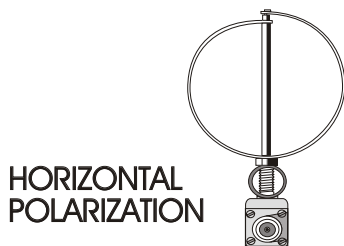
177 DIXON RD.  
LEBANON, ME. 04027  
TEL: 207-658-7758 FAX: 207-658-4337  
www.directivesystems.com

## 1269 MHz Loop Yagi, Model 2424LYRM (REAR MOUNT)



### SPECIFICATIONS

Frequency Range:	1.22-1.28 GHz
Number of elements:	24
Boom Length:	72 inches
Boom diameter:	1 inch
Mast diameter:	2 inch max.
Weight:	3 pounds
Connector:	Type N female
Gain:	18.5 dBi
3 dB Beamwidth (E Plane) :	$\approx 26^\circ$
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking Distance:	
E Plane:	21 3/4" (55.25 cm)
H Plane:	19 1/4" (48.9 cm)



### ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the hardware package. The boom is broken between elements D11 and D12. Remove D11 from the boom piece and slide boom pieces together to alignment marks. Replace D11 and retighten.
- 2) Insert U-Bolt into rear mount bracket. Note that the bracket can be installed for both vertical or horizontal polarization. ( See drawings above.)
- 3) Attach the feed line, and tape it to the mast. 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 1.2:1. 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.