

# Directive Systems & Engineering

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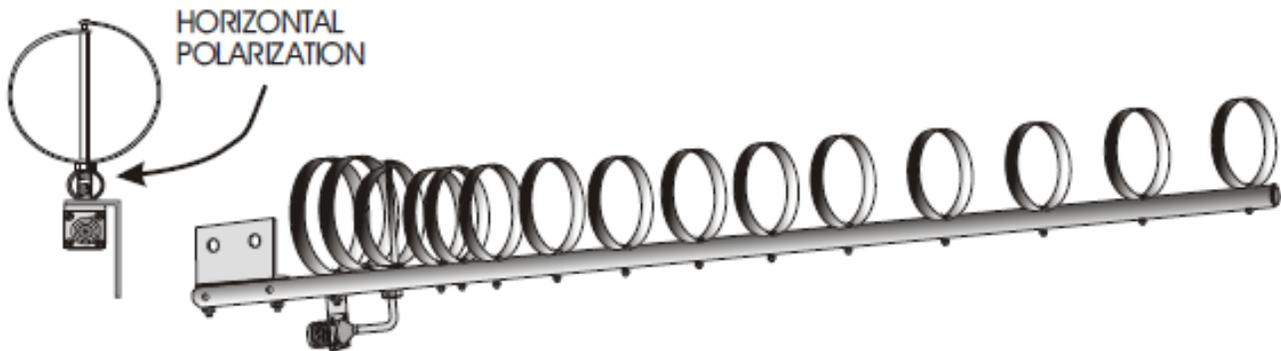
[www.directivesystems.com](http://www.directivesystems.com)

703-754-3876

## 2300-2500 MHz Loop Yagi (Rear Mount), Model DSE1215LYRM

### SPECIFICATIONS

Frequency range:	2.30 to 2.50 GHz	Gain:	15.5 dBi
Number of elements:	15	3 dB Beamwidth (E plane):	27°
Boom length:	24 inches	F/B ratio:	≥24 dB
Boom diameter:	0.5 inches	Maximum Power:	400 W average
Mast diameter:	1 1/2 in. max	Stacking distance:	9 inches vertical 9.75 in. horizontal
Weight: (assembled)	2 pounds assembled		
Connector:	Type-N female		



### ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the U-Bolt package.
- 2) Insert U-Bolt into rear mount bracket. Note that the bracket is installed for horizontal polarization. (See drawing above.) Use alternate mounting holes for vertical polarization.
- 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 UT-141 semi rigid coaxial cable extends into the rear of the antenna connector.
- 4) Straighten any misaligned elements and tighten hardware if necessary.
- 5) The antenna SWR has been adjusted at the factory for less than 1.5:1. 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".

## Directive Systems Warranty Policy

All Directive Systems antennas are built with the finest materials available. We take great pride in building a quality product that will give years of good service and performance. If there is a defect in materials or workmanship within 90 days of purchase, Directive Systems will repair or replace, free of charge, the defective part. **DO NOT RETURN ANYTHING WITHOUT PRIOR AUTHORIZATION FROM DIRECTIVE SYSTEMS.** Please contact us either by phone or email describing the problem and we will work to resolve it. If, after examining a new antenna you received, you are not satisfied, contact us immediately for return authorization and refund. **ANY ANTENNA THAT HAS BEEN MODIFIED WILL BE SUBJECT TO A RESTOCKING CHARGE. IF AN ANTENNA IS SO MODIFIED AS TO MAKE IT UNUSABLE, DIRECTIVE SYSTEMS RESERVES THE RIGHT TO REFUSE TO ACCEPT THE ANTENNA FOR RETURN.**