



# Directive Systems & Engineering

2702 Rodgers Terrace  
Haymarket, VA 20169-1628

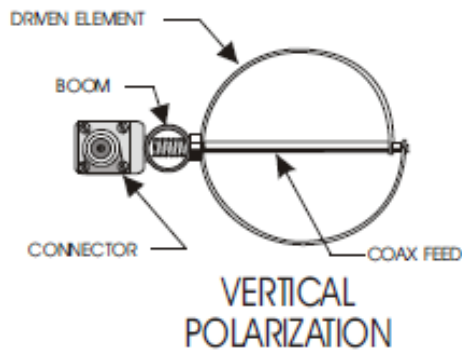
[www.directivesystems.com](http://www.directivesystems.com)

703-754-3876

## Cellular Loop Yagi (Rear Mount), Model DSE3318LYBRM



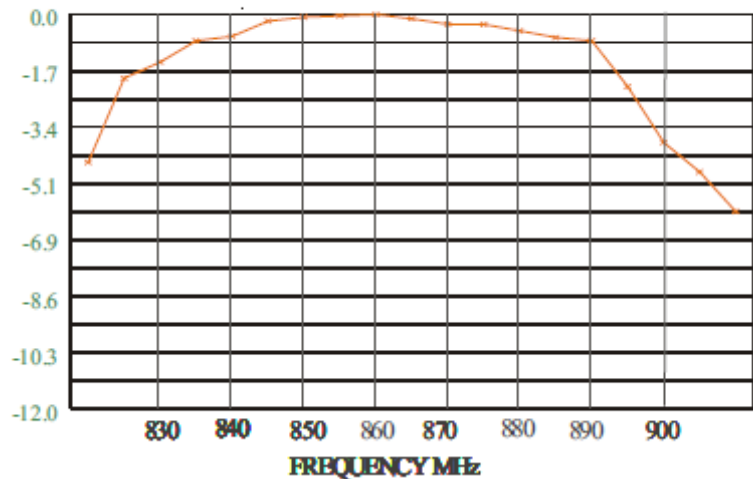
### SPECIFICATIONS



Frequency Range:	826-896 MHz
Number of elements:	18
Boom Length:	726 inches
Boom diameter:	1 inch
Mast diameter:	1 1/2 inch max.
Weight:	5 lbs (8 lbs shipping)
Connector:	Type N female
Gain:	18.5 dBi
3 dB Beamwidth (E Plane):	28°
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking Distance:	
H Plane	18 inches vertical
E Plane	21 in. horizontal

The DSE3318LYBRM has been designed to produce very high gain from 826 to 896 MHz and will find many uses in improving performance in marginal areas. Special care has been given to produce an antenna that combines extremely high forward gain with no compromise in antenna pattern.

### 3318LYBRM GAIN BANDWIDTH



## ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the hardware package. Remove Director 9, Connect the two boom pieces together at alignment marks. Re-install D9 and tighten 4-40 nut to secure boom pieces together.
- 2) Install the 2" U-bolt in the angle bracket that is attached to the boom.
- 3) Attach the feed line. Tape feedline to antenna boom on opposite side from loops! The connector should be sealed with electronic grade RTV or equivalent. Seal the area where the .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 1.3:1.
- 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.**