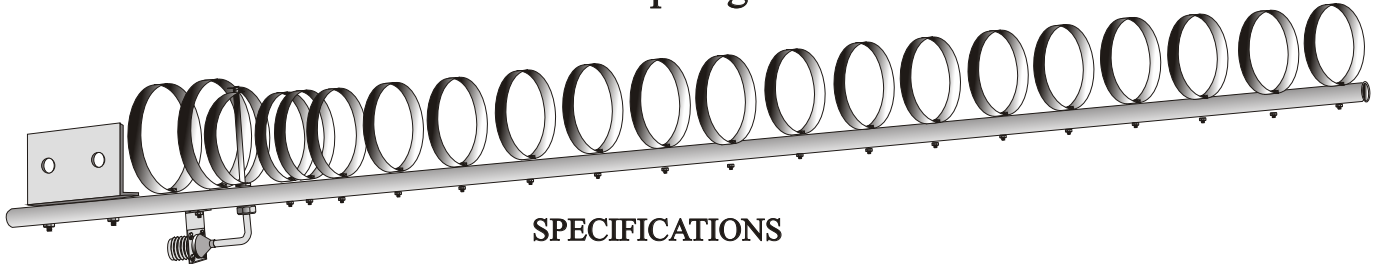




DIRECTIVE SYSTEMS

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

2.35-2.48 GHz Loop Yagi Model 1221LYRM



SPECIFICATIONS

**POLARIZATION
SHOWN:
HORIZONTAL**

Frequency range:	2.35 to 2.48GHz
Number of elements:	21
Boom length:	36 inches
Polarization:	Vertical or Horizontal
Boom diameter:	0.5 inch
Mast diameter:	1 1/2 inch max
Weight:	2 pounds assembled
Connector:	Type-N female
Gain:	\cong 17.5 dBi
3 dB Beamwidth (E plane):	\cong 24 degrees
F/B ratio:	\geq 20 dB
Maximum Power:	400 watts average
Stacking distance:	9 inches vertical (H) 11 inches horizontal (E)

ASSEMBLY INSTRUCTIONS

1. Unpack the antenna and locate the hardware package. The boom is in one piece and requires no assembly. Observe that the boom to mast bracket is installed on the rear of the boom.
- 2) Attach the boom to mast angle bracket to the boom with the 8-32 x 1" hardware provided. Install the U-Bolt in the angle bracket. Be careful to leave room for the feedline to attach to the connector assembly.
- 3) Attach the feedline and tape it to the bottom of the boom and mast. The connector should be sealed with silicone RTV or equivalent.
- 4) Straighten any mis aligned elements and re-tighten if necessary.
- 5) The antenna SWR has been adjusted at the factory for less than 1.3:1 center band mismatch. It should be less than 1.5:1 from 2350 to 2480 MHz. Additional tweaking can be accomplished by changing the shape of the driven element slightly and by adjusting the distance between the driven element and R1 and D1. R1 is the reflector closest to the driven element.
- 6) If antennas are to be stacked, see "Instructions for Stacking Loop Yagis."