

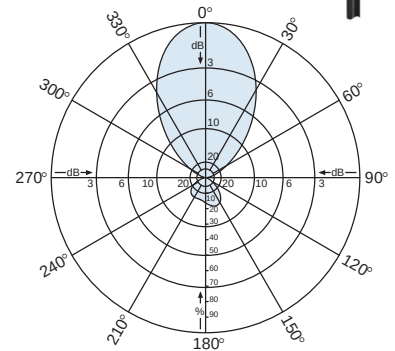
The Scala YA7-LB-x are ruggedly built, yagi antennas, designed for professional VHF-TV Low Band transmit and receive applications.

Like all Scala antennas, the YA7-LB-x are made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

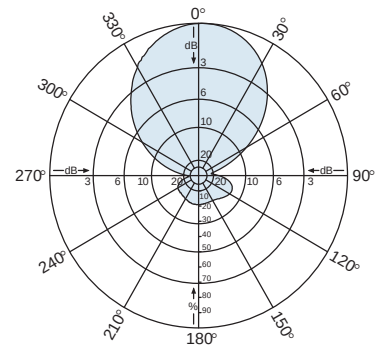
The YA7-LB-x may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.

Specifications	
Frequency range	Specific VHF-TV Low Band channel Ch 2-6 (54-88MHz) *Channel specific
Gain	7 dBd
Power gain	5.01
Impedance	50 ohms
VSWR	<1.35:1
Polarization	Horizontal, Vertical or Slant 45°
Front-to-back ratio	>13 dB
Maximum input power	600 watts
HRP beamwidth	56 degrees (H-pol) 83 degrees (V-pol) 69 degrees (Slant 45° pol)
Connector	N female
Weight	See page 2
Dimensions	See page 2
Wind load at 100 mph (160 kph)	
Front	139 lbf (617 N)
Wind survival rating*	100 mph (161 kph)
Mounting	For masts of 2.375 inch (60 mm) OD.
YA7-LB-2-URM	Channel 2 (54-60 MHz)
YA7-LB-3-URM	Channel 3 (60-66 MHz)
YA7-LB-4-URM	Channel 4 (66-72 MHz)
YA7-LB-5-URM	Channel 5 (76-82 MHz)
YA7-LB-6-URM	Channel 6 (82-88 MHz)

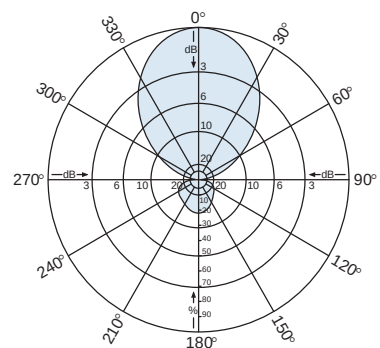
Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.



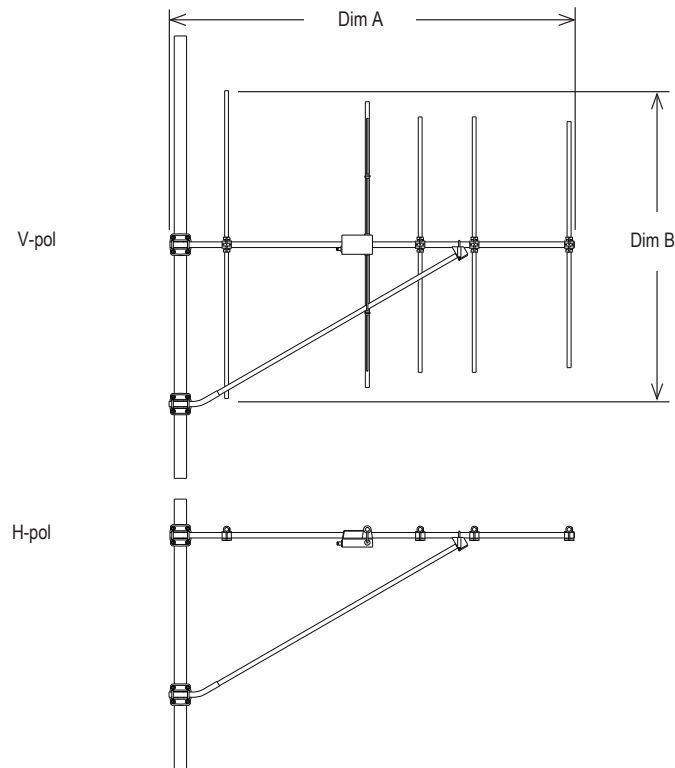
HRP pattern
Horizontal polarization



HRP pattern
Vertical polarization



HRP pattern
Slant 45° polarization



Order information

Model	Description	Dim A (inches)	Dim B (inches)	Weight (lbs)
YA7-LB-2-URM	Channel 2 (54-60 MHz)	131.6	106.5	35.9
YA7-LB-3-URM	Channel 3 (60-66 MHz)	120	96.4	32.5
YA7-LB-4-URM	Channel 4 (66-72 MHz)	110.4	88	29.7
YA7-LB-5-URM	Channel 5 (76-82 MHz)	97.7	76.9	25.9
YA7-LB-6-URM	Channel 6 (82-88 MHz)	91.7	71.4	24.1

subject to alteration