SCALA
A Kathrein Broadcast Brand

HDCA-5
VHF-TV Yagi Antenna
54 to 88 MHz (Channels 2—6)

The Scala HDCA-5 is a ruggedly built yagi antenna, designed for professional VHF-TV transmit and receive applications.

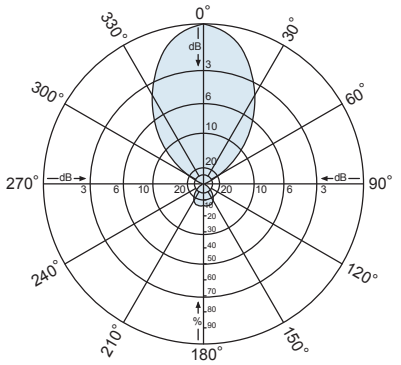
Like all Scala antennas, the HDCA-5 is made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

The HDCA-5 may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.

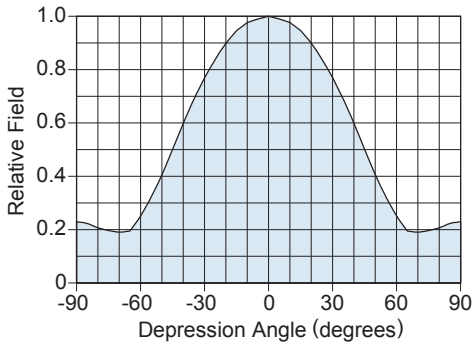


Specifications			
Frequency range		Any specified VHF-TV channel 54 to 88 MHz	
Gain		Gain	Power gain
	Channels 2—3	6.75 dBd	4.73
	Channels 4—6	7.5 dBd	5.62
Impedance		75 ohms (50 ohms with optional transformer)	
VSWR		<1.5:1	
Polarization		Horizontal	
Front-to-back ratio		>14 dB	
Maximum input power		250 watts, type “N” 75 ohm termination	
Azimuth pattern			
	Channels 2—3	58 degrees (half-power)	
	Channels 4—6	52 degrees (half-power)	
Elevation pattern		68 degrees (half-power)	
Connector		75Ω N female	
Weight		19.7 lb (9 kg) maximum	
Dimensions		106.5 x 105.2 inches maximum (2705 x 2672 mm)	
Wind load at 100 mph (161 kph)	Front	127 lbf (565 N)	
Wind survival rating*		120 mph (193 kph)	
Shipping dimensions		112 x 6 x 5 inches maximum (2845 x 152 x 127 mm)	
Shipping weight		25 lb (11.3 kg) maximum	
Mounting		For masts of 2.375 inch (60 mm) OD.	
	HDCA-5/HCM	Horizontal polarization center-mount	
	HDCA-5/HRM	Horizontal polarization rear-mount	

*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.



Azimuth pattern (E-plane - typical)

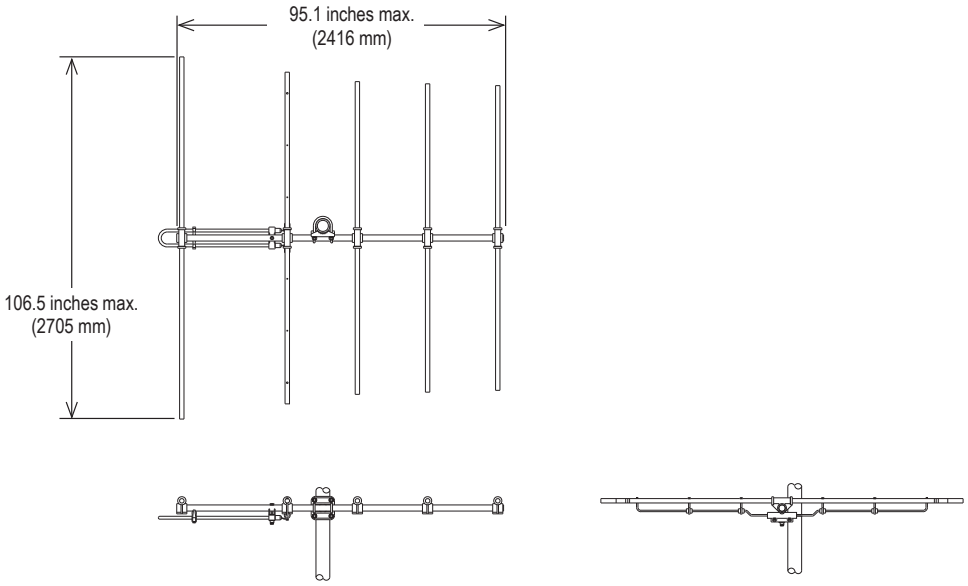


Elevation pattern (H-plane)

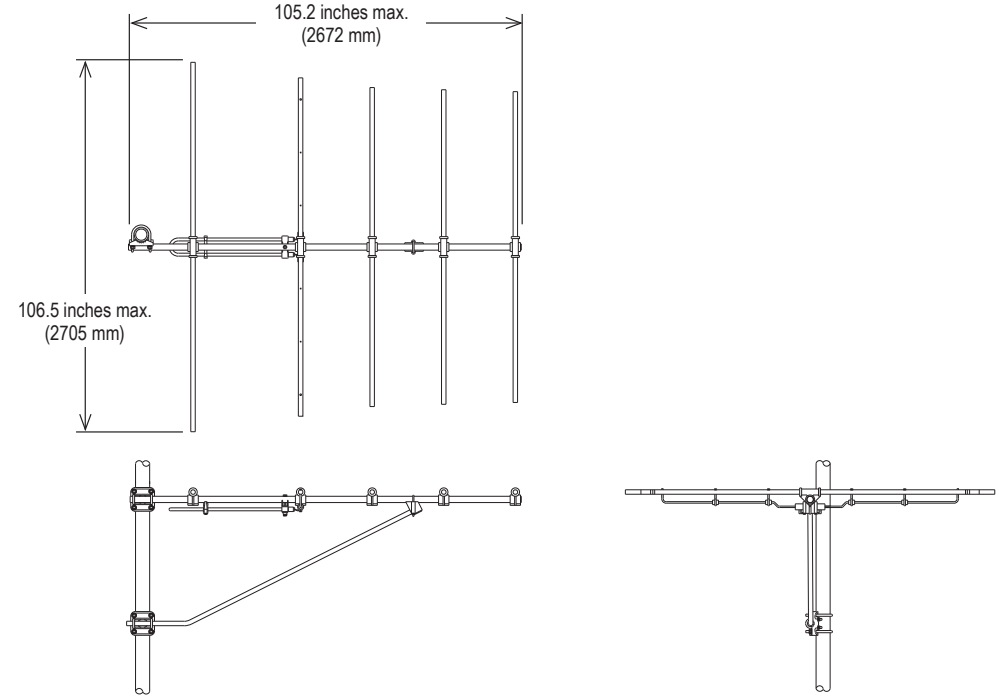
30075a subject to alteration

All specifications are subject to change without notice.
The latest specifications are available at www.kathrein-bca.com

Kathrein Broadcast USA 8337 11th Street, White City, OR 97503
Phone: 541-879-2300 Email: support-usa@kathrein-bca.com



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Horizontally polarized
Channels 2—6



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