

The Scala HDCA-5CP/CM & HDCA-5CP/RM are ruggedly built yagi antennas, designed for professional VHF-TV transmit and receive applications.

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

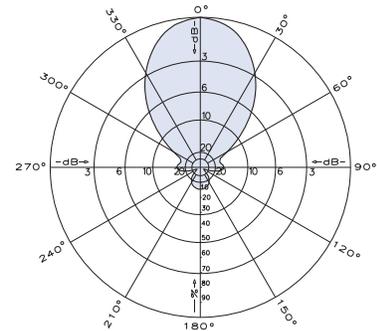
The HDCA-5CP antennas may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.



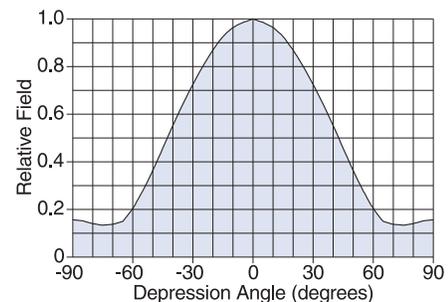
Specifications

Frequency range	Any specified VHF-TV channel 54 to 88 MHz		
Gain	Channels 2—3	Gain	Power gain
	Channels 4—6	3.7 dBd	2.34
		4.5 dBd	2.82
Impedance	50 or 75 ohms		
VSWR	<1.5:1		
Polarization	Circular		
Front-to-back ratio	>16 dB		
Maximum input power	250 watts 50Ω		
	100 watts 75Ω		
Azimuth pattern	63 degrees (half-power)		
Elevation pattern	63 degrees (half-power)		
Connector	75Ω N female		
Weight	38 lb (17.2 kg)		
Dimensions	107 x 75.3 inches maximum (2718 x 1913 mm)		
Wind load at 100 mph (161 kph)	Front		
	123 lbf (547 N)		
Wind survival rating*	120 mph (193 kph)		
Shipping dimensions	125 x 10 x 6 inches maximum (3175 x 254 x 152 mm)		
Shipping weight	46 lb (20.9 kg) maximum		
Mounting	For masts of 2.375 inch (60 mm) OD.		
	HDCA-5CP/CM	Center-mount (channels 2—6)	
	HDCA-5CP/RM	Rear-mount (channels 2—6)	

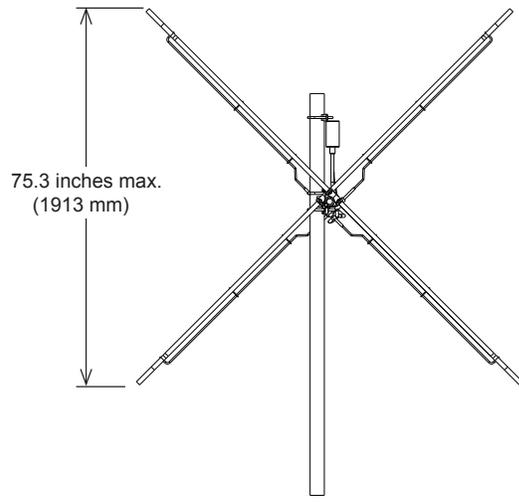
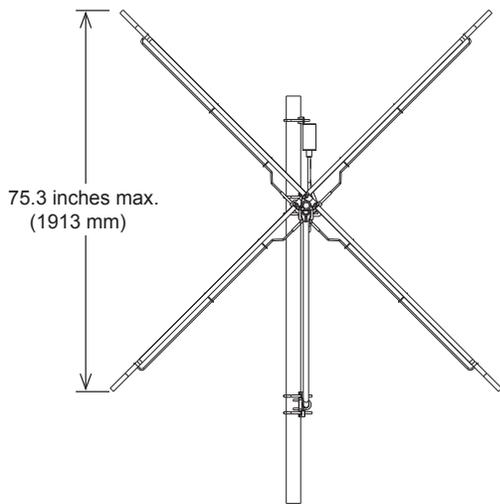
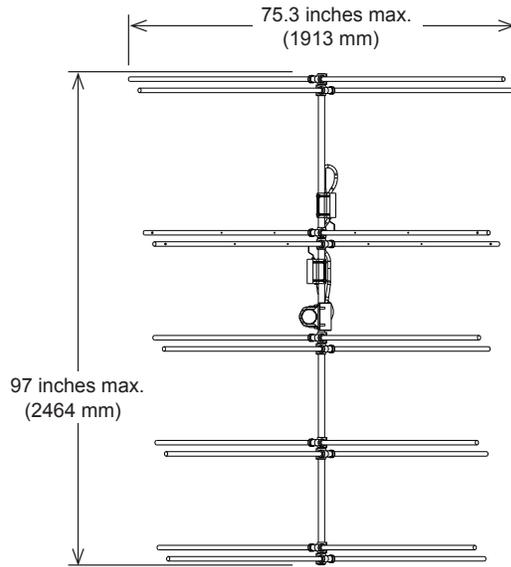
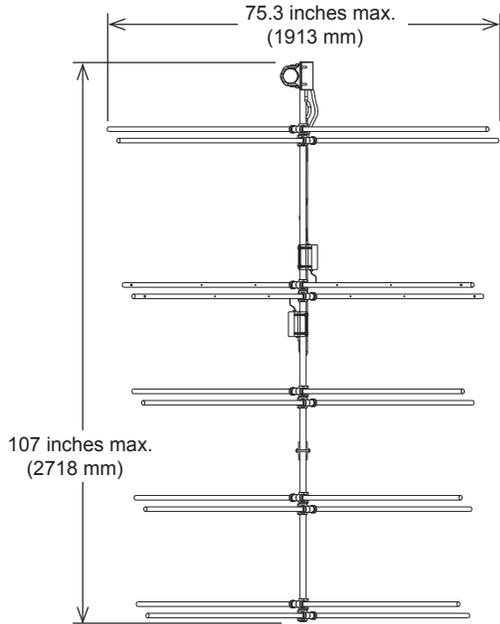
*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.



Azimuth pattern (E-plane - typical)



Elevation pattern (H-plane)



HDCA-5CP/RM (Channels 2—6)

HDCA-5CP/CM (Channels 2—6)

30076 subject to alteration