

The Scala CA2-FM/CP is a circularly polarized antenna, designed for professional FM transmit and receive applications.

Like all Scala antennas, the CA2-FM/CP is made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

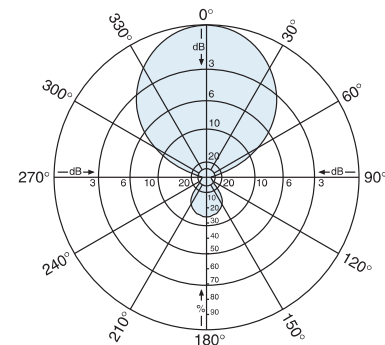
The CA2-FM/CP may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.



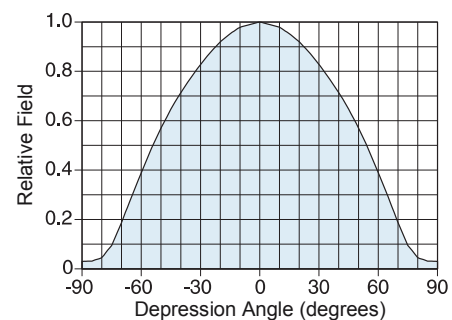
Specifications

Frequency range	Any specified FM channel 88 to 108 MHz
Gain	1 dBd
Power gain	1.26
Impedance	50 ohms
VSWR	<1.5:1
Polarization	Circular
Front-to-back ratio	>11 dB
Maximum input power	250 watts
Azimuth beamwidth	80 degrees (half-power)
Elevation beamwidth	80 degrees (half-power)
Connector	N female
Weight	21 lb (9.5 kg)
Dimensions	51 x 51 x 39 inches maximum (1295 x 1295 x 991 mm)
Wind load at 100 mph (161 kph)	
Front	34.6 lbf (154 N)
Wind survival rating*	120 mph (193 kph)
Shipping dimensions	75 x 11 x 6 inches (1905 x 279 x 152 mm)
Shipping weight	24 lb (10.9 kg)
Mounting	For masts of 2.375 inch (60 mm) OD.

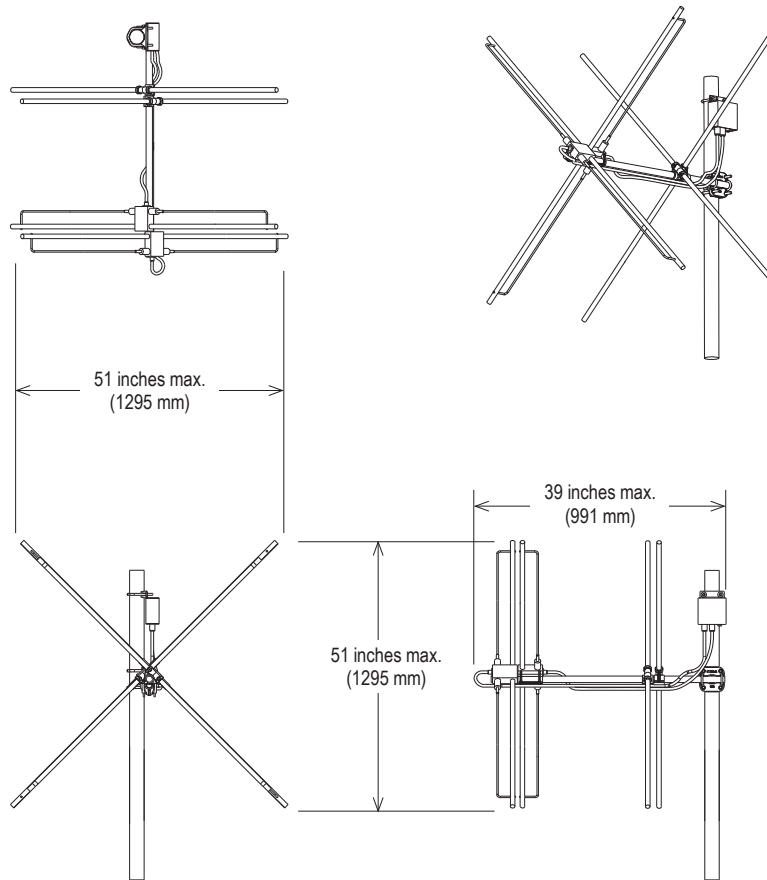
*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.



Azimuth pattern



Elevation pattern



30052b subject to alteration