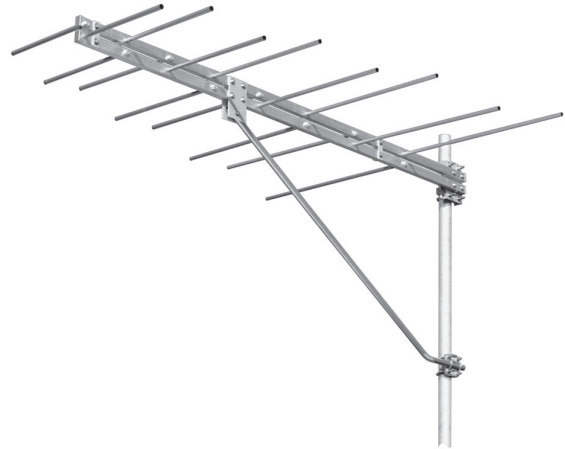


The Scala CL-FMRX is a ruggedly built, log-periodic antenna, designed for professional FM receive applications.

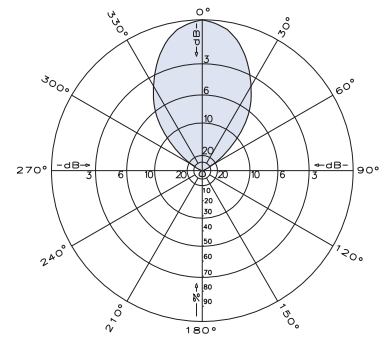
Like all Scala antennas, the CL-FMRX is made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

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

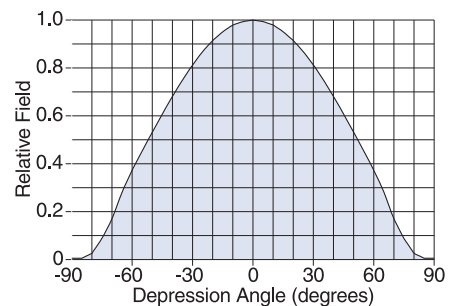


Specifications	
Frequency range	88—108 MHz (broadband)
Gain	6.5 dBd
Impedance	50 or 75 ohms
VSWR	<1.5:1
Polarization	Horizontal or vertical
Front-to-back ratio	>25 dB
H-plane beamwidth	78 degrees (half-power)
E-plane beamwidth	52 degrees (half-power)
Connector	N female (50 or 75 ohms)
Weight	18 lb (8.2 kg)
Dimensions	94.6 x 66.4 inches (2402 x 1686 mm)
Wind load at 100 mph (161 kph)	
Front	103 lbf (458 N) maximum
Wind survival rating*	120 mph (193 kph)
Shipping dimensions	104 x 11 x 6 inches (2642 x 280 x 153 mm)
Shipping weight	34.0 lb (15.4 kg)
Mounting	For masts of 2.375 inch (60 mm) OD.
CL-FMRX/HCM	Horizontal polarization center-mount
CL-FMRX/HRM	Horizontal polarization rear-mount
CL-FMRX/VRM	Vertical polarization rear-mount

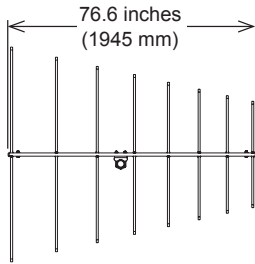
*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.



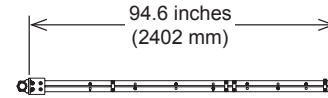
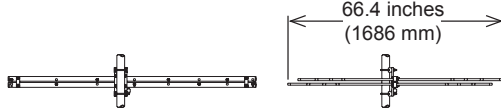
Azimuth pattern (E-plane)



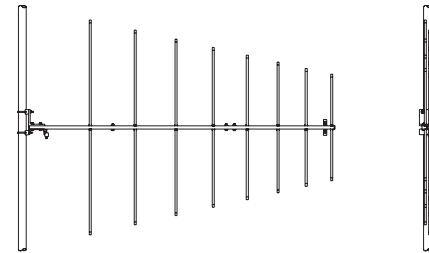
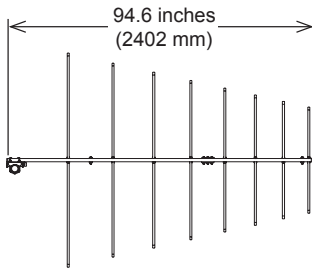
Elevation pattern (H-plane)



CL-FMRX/HCM
Horizontally polarized

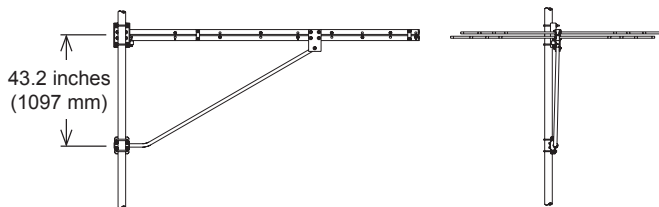


CL-FMRX /HRM
Horizontally polarized



CL-FMRX/VRM
Vertically polarized

Vertically polarized antennas require lateral stabilization, (not supplied) to prevent the antenna from turning on the mounting pipe.



Order information

Model	Description
CL-FMRX/HCM/50N	Antenna with 50Ω N connector Horizontal polarization center-mount
CL-FMRX/HCM/75N	Antenna with 75Ω N connector Horizontal polarization center-mount
CL-FMRX/HRM/50N	Antenna with 50Ω N connector Horizontal polarization rear-mount
CL-FMRX/HRM/75N	Antenna with 75Ω N connector Horizontal polarization rear-mount
CL-FMRX/VRM/50N	Antenna with 50Ω N connector Vertical polarization rear-mount
CL-FMRX/VRM/75N	Antenna with 75Ω N connector Vertical polarization rear-mount

30055 subject to alteration