



A Kathrein Broadcast Brand

CA2-FM FM Dipole Reflector Antenna 88—108 MHz

The Scala CA2-FM is a ruggedly built, dipole reflector antenna, designed for professional FM transmit and receive applications.

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

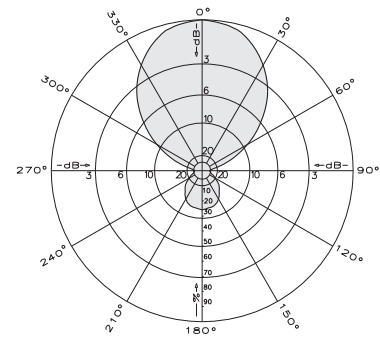
The CA2-FM may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.



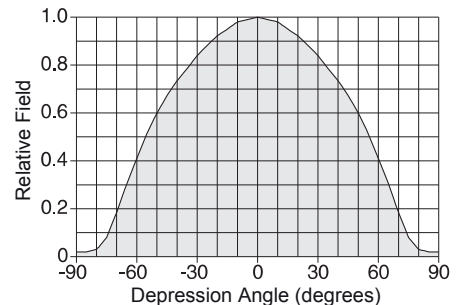
Shown horizontally polarized

| Specifications | |
|--------------------------------|---|
| Frequency range | Any specified FM channel 88 to 108 MHz |
| Gain | 4 dBd |
| Power gain | 2.51 |
| Impedance | 50 ohms |
| VSWR | <1.5:1 |
| Polarization | Horizontal or Vertical |
| Front-to-back ratio | >11 dB |
| Maximum input power | 250 watts |
| H-plane beamwidth | 80 degrees (half-power) |
| E-plane beamwidth | 72 degrees (half-power) |
| Connector | N female |
| Weight | 5.7 lb (2.6 kg) |
| Dimensions | 35.3 x 68.9 inches maximum (897 x 1750 mm) |
| Wind load at 100 mph (161 kph) | |
| Front | 67 lbf (298 N) |
| Wind survival rating* | 120 mph (193 kph) |
| Shipping dimensions | 70 x 6 x 5 inches maximum (1778 x 152 x 127mm) |
| Shipping weight | 10 lb (4.5 kg) maximum |
| 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.



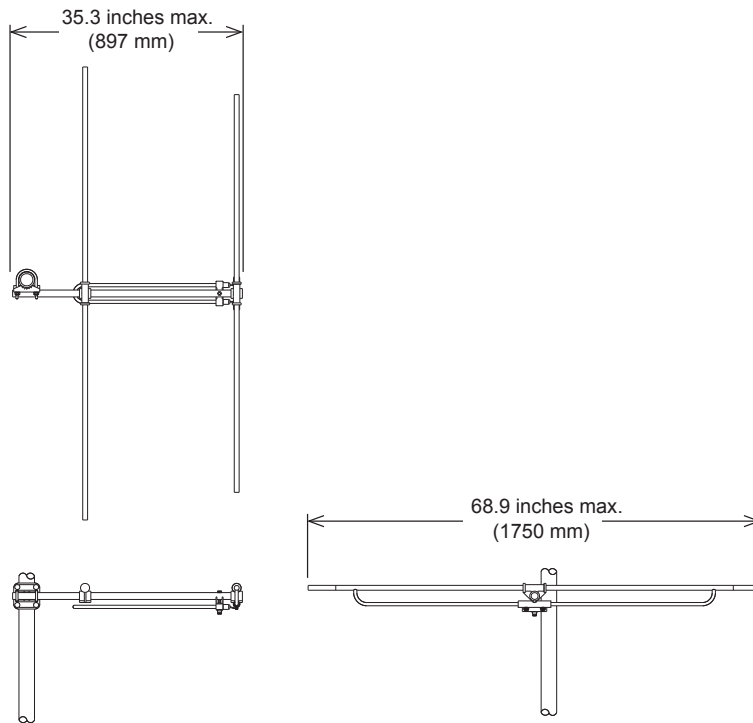
E-plane
Horizontal pattern — H-polarization
Vertical pattern — V-polarization



(H-plane)
Horizontal pattern — V-polarization
Vertical pattern — H-polarization

30051 subject to alteration

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



Shown horizontally polarized

30051 subject to alteration