

VHF-TV Dipole Reflector Antenna
54 to 216 MHz (Channels 2–13)

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

Like all Scala antennas, the CA2 is made of the finest materials resulting in superior performance and long service life.

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



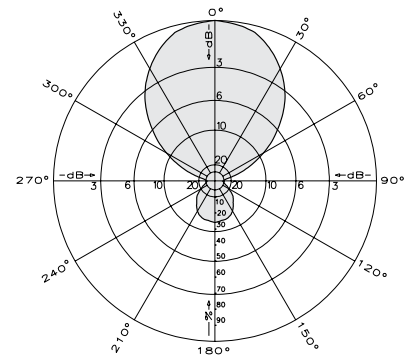
Specifications:

| | |
|-----------------------|---|
| Frequency range | Any specified VHF-TV channel 2–13 54 to 216 MHz |
| Gain | 4 dBd |
| Power gain | 2.51 |
| Impedance | 50 or 75 ohms |
| VSWR | < 1.5:1 |
| Polarization | Horizontal |
| Front-to-back ratio | >11 dB |
| Maximum input power | 250 watts |
| Azimuth pattern | 72 degrees (half-power) |
| Elevation pattern | 80 degrees (half-power) |
| Connector | 50Ω or 75Ω N female |
| Weight | 14 lb (6.4 kg) |
| Dimensions | 48.5 x 112.3 inches maximum (1232 x 2852 mm) |
| Wind load | at 100 mph (160 kph) |
| Front | 65 lbf (288 N) maximum |
| Wind survival rating* | 120 mph (193 kph) |
| Shipping dimensions | 110 x 6 x 5 inches maximum (2794 x 152 x 127 mm) |
| Shipping weight | 17 lb (7.7 kg) maximum |
| Mounting | For masts of 2.375 inches (60 mm) OD. |

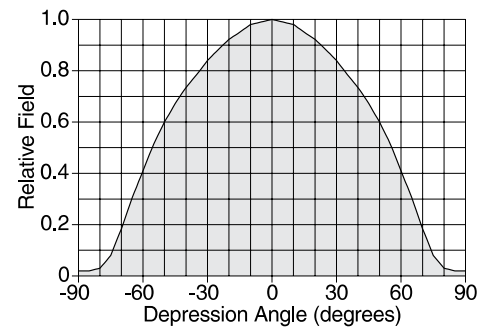
* Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

Order Information:

Contact Scala Customer Service for detailed order information.



Azimuth pattern (E-plane - typical)

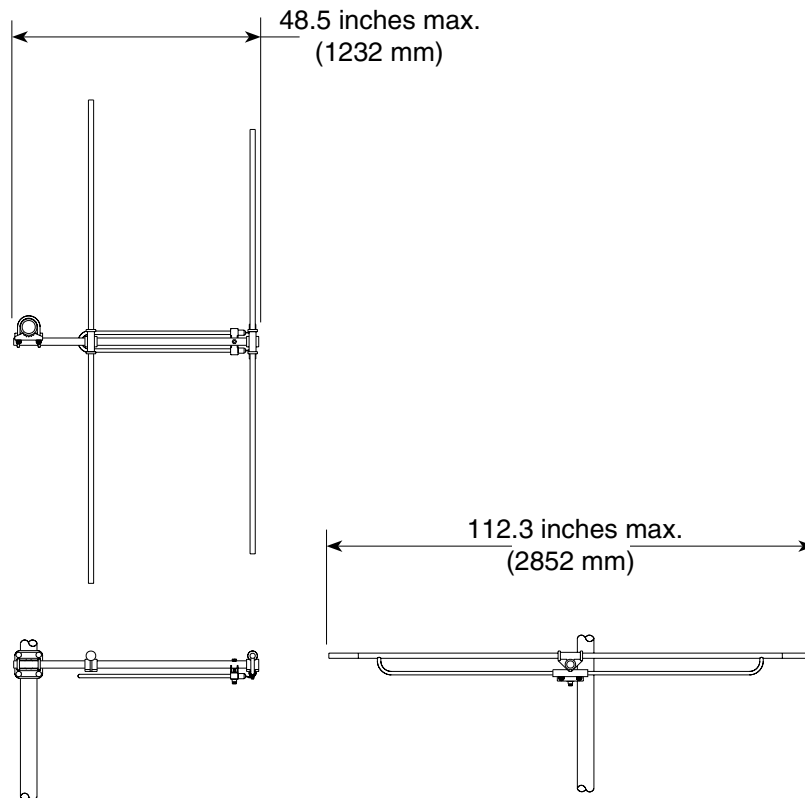


Elevation pattern (H-plane)



10742-B

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

Kathrein Inc., Scala Division Post Office Box 4580 Medford, OR 97501 (USA) Phone: (541) 779-6500 Fax: (541) 779-3991
Email: communications@kathrein.com Internet: www.kathrein-scala.com