

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 10907-C 936.3540* 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. General specifications : Frequency range 1710–2200 MHz Impedance 50 ohms VSWR < 1.5:1 Intermodulation (2x20w) IM3: <-150 dBc Polarization +45° and -45° Front-to-back ratio >30 dB (co-polar) >25 dB (total power) Maximum input power 300 watts per input (at 50°C) Electrical downtilt 0–10 degrees continuously adjustable (manual or optional remote control) Connector 4 x 7-16 DIN female Isolation >30 dB Cross polar ratio Main direction 0° 25 dB (typical) Sector ±60° >10 dB Weight 32.2 lb (14.6 kg) Dimensions 51.9 x 12.7 x 2.8 inches (1319 x 323 x 71 mm) Wind load at 93 mph (150kph) Front/Side/Rear 147 lbf / 23 lbf / 158 lbf (650 N) / (100 N) / (700 N) Wind survival rating* 120 mph (200 kph) Shipping dimensions 62 x 14.2 x 5.1 inches (1574 x 360 x 130 mm) Mounting Fixed and tilt mount options are available for 2 to 4.6 inch (50 to 115 mm) OD masts. See reverse for order information. Specifications : 1710–1880 MHz 1850–1990 MHz 1920–2200 MHz Gain 17.6 dBi 17.8 dBi 18 dBi+45° and -45° polarization 64° (half-power) 64° (half-power) 62° (half-power) horizontal beamwidth+45° and -45° polarization 7° (half-power) 6.8° (half-power) 6.5° (half-power) vertical beamwidth Vertical Pattern – Sidelobe 0° 5° 10° T 0° 5° 10° T 0° 5° 10° T suppression for first 20 18 16 dB 20 18 16 dB 16 18 16 dB sidelobe above main beam 742 236 hpbw: 65° Panel Antenna Vertical pattern ±45°- polarization Horizontal pattern ±45°- polarization Kathrein panels are antenna products for wireless communications. All ADT panels feature:

- Heavy-duty construction using the highest quality materials: UV resistant pulltruded fiberglass radomes, stainless steel fasteners and hardware, rigid aluminum reflectors, and low loss coaxial cable power divider harness, all contributing to long, trouble free service life.
- Superior electrical specifications including low VSWR, wide bandwidth, flat frequency response, and superb intermodulation performance.
- Precision continuously adjustable electrical downtilt controls, manual control as standard equipment, with remote control available as an option.
- Will accomodate future 3G / UMTS applications.

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Antenna Vertical pattern $\pm 45^\circ$ - polarizationHorizontal pattern $\pm 45^\circ$ - polarization Kathrein panels are antenna products for wireless communications. All ADT panels feature:

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