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Press Release

FOR IMMEDIATE RELEASE
January 28, 2004

Kathrein introduces 3 Sector Antenna for PCS/3G Applications
Three cross-polarized antennas within a single 9-inch diameter radome

Medford, OR - Kathrein's 800-10270 tri-sector antenna system provides a complete site antenna solution in a slim, 9 inch, low visibility envelope that incorporates the latest in antenna technology. Its cross-polarized vector dipole design offers the same performance as 3 Kathrein cross polarized panel antennas, and features adjustable electrical down tilt, either manual or by optional remote control. Its broadband (1710–2170 MHz) capabilities make it perfect for current PCS applications as well as future 3G wireless systems.

The system is constructed of high strength fiberglass for rigidity, with tin-plated zinc and tin-plated copper radiator and reflector materials for excellent intermodulation performance. All metal parts are DC grounded and an impulse spike is provided at the top of the radome.

The antenna system is designed for top-of-the-mast applications. RF feedlines, optional downtilt controls, and remote control cables are concealed in a readily accessible service area at the base of the antenna. All mounting hardware is stainless steel.

The antenna may be seen at CTIA's Wireless 2004 in Atlanta, March 22-24, Booth # 2919.

Abbreviated Specifications

Frequency range	1710–2170 MHz
Intermodulation (2x20w) IM3:	-150 dBc
Polarization	+45° and -45°
Gain	18 dBi
Polarization	+45° and -45°
Horizontal beamwidth	65°
Electrical downtilt range	0°–10°
Dimensions	9.1" x 71.3"

Kathrein Inc., Scala Division, is located in Medford, Oregon. Kathrein manufactures a complete line of antenna and filter systems for wireless telephone, land mobile radio, air-ground and broadcast systems. Kathrein Inc. is an ISO 9001 and ISO 14000 registered firm and is part of the Kathrein Group, the world's oldest and largest provider of broadcast and communications antenna technology.

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800-10270
Tri-sector PCS Antenna

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