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Antennas • Filters

Kathrein Inc., Scala Division

P.O. Box 4580

Medford, OR 97501 USA

Phone: 541-779-6500

Fax: 541-779-3991

mail@kathrein.com

www.kathrein-scala.com

Kathrein Announces Dual Band Antennas with Integrated Combiners
Devices permit shared use of RF feedlines

Medford, OR – Kathrein has announced four new dual band panel antennas with self-contained combiners that allow a carrier to reduce his RF cabling requirements by 50%, saving material and installation costs.

Model	Beamwidth	Gain	Gain	Tilt	Power
		806-960 MHz	1710-2170 MHz		
742-290	90°	5 dBd	7 dBi	0°	100
800-10046	90°	8 dBd	11.5 dBi	0°	100
742-222	65°	9.8 dBd	13.7 dBi	0°	250/200
742-223	65°	12 dBd	16.8 dBi	0°-14°/0°-8°	250/200

The adjustable tilt antenna, model 742-223, is fully compatible with Kathrein's remote downtilt control system, offering the system operator the ability to control dynamically sector size. The fixed tilt models may be optionally equipped for mechanical downtilt for sector optimization.

All models have been designed using Kathrein's vector dipole system, providing wide bandwidth for current and future wireless allocations. Each model demonstrates exceptional intermodulation performance. Band-to-band isolation is greater than 50 dB, and polarization isolation exceeds 30 dB for cross polarized models.

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-Scala 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.

For additional information, contact:

Harry Ekelund
Marketing Manager
541-779-6500
541-779-3991
hekelund@kathrein.com
www.kathrein-scala.com



742-222
Dualband Panel Antenna

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