

**New innovative Quad-Band Antennas and Combiners**



KATHREIN are pleased to announce the introduction of a new family of

**Ultra Broadband Antennas and Combiners for LTE applications**

These XXXXPOL 65° antennas will be introduced in standard length versions:

80010685, 2.0m, 8 ports 4 RET interfaces

80010686, 2.6m, 8 ports 4 RET interfaces

A further shorter model with 1.4m will follow.

The combiner is available in different DC by-pass versions and as a single or as a double unit for XPol antennas. The new Quad-Band combiner can either be used near the BTS or close to antenna.

**Application**

KATHREIN have created ultra broadband technology which allows deployment of a single product, thereby covering not only existing network requirements in the 790-960 MHz and 1710-2170 MHz bandwidth, but also next generation networks such as WiMAX 2.5 and LTE 2.6.

**Customer Benefits Antenna**

- + Ultra broadband antenna with a frequency range of **1GHz** (1710-2690 MHz) in the high band
- + Adjustable tilt version for each frequency band with excellent electrical parameters
- + Size and visual appearance equivalent to existing multiband antennas
- + One antenna for multiple wireless technologies
- + Costs reduction through just one antenna in type approvals, logistics, installation, rental fees and service upgrades

**Customer Benefits Combiner**

- + Saving of up to 18 feeder cables per site
- + Designed for co-siting purposes and enabling feeder sharing
- + Suitable for indoor outdoor applications, wall or mast mounting
- + Built-in lightning protection
- + Less weight and new small design

**Portfolio of quad-band innovations**

Type No.	Description	Availability
80010685	XXXXPol Panel 790-960 / 1710-1880 / 1920-2170 / 2490-2690 MHz 65° / 65° / 65° / 65°; 16 / 17.5 / 17.5 / 18dBi; 0°-10° / 0°-6° / 0°-6° / 0°-6°T	3rd Quarter 2011
80010686	XXXXPol Panel 790-960 / 1710-1880 / 1920-2170 / 2490-2690 MHz 65° / 65° / 65° / 65°; 17 / 17.5 / 17.5 / 18dBi; 0°-10° / 0°-6° / 0°-6° / 0°-6°T	3rd Quarter 2011
78210640/ 78210642	Quadband Combiner Single Unit 380-960 / 1710-1880 / 1920-2200 / 2500-2690 MHz	available
78210641/ 78210643	Quadband Combiner Double Unit 380-960 / 1710-1880 / 1920-2200 / 2500-2690 MHz	available

Please contact your local KATHREIN partner for any further queries you may have or mail to [mobilcom@kathrein.de](mailto:mobilcom@kathrein.de)