



KATHREIN are pleased to announce the introduction of a new antenna family for High Order Sectorisation and/or 6-Sector-Sites.

## Dual-Beam Antennas

The first version, **800 10606** is **NOW AVAILABLE**.

### Application

The cellular market is shifting emphasis from voice to data. Sites with high capacity and user density push current networks to their limits. One way to increase the existing network capacity and quality can be the use of Higher Order Sectorisation (6 sectors instead of 3 per site).

The site can be optimized by installing a new antenna which includes two independent antennas in a common housing. This solution is achieved with low installation efforts, thereby offering an optimal electrical performance with a minimum visual impact.

### Customer Benefits

- + 2 dual polarised beams (1710-2200 MHz) per antenna
- + High gain (19.5dBi)
- + Independent adjustable electrical downtilt on each beam (Tilt 0°-10°)
- + Half-power-beam width of 45° as an excellent compromise between antenna size and electrical performance
- + Optimized vertical and horizontal pattern (squint suppression)
- + High isolation (30dB) between all antenna ports
- + Special radome design for very low visual impact
- + Easy antenna installation and low upgrade costs
- + Antenna for 3 panel arrangement applicable (Clamp Kit 742 034)



6 sector arrangement with installation of 3 antennas

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