

# Base Station Antenna Serves High-Density Wireless Networks

Laird Technologies, Inc., a global leader in the design and supply of customized performance-critical components and systems for advanced electronics and wireless products, announced the release of its new [SKS230065-18N-001 base station wideband dual 45° sector antenna](#) [1].

Expanding Laird Technologies' high-performance [WiMAX tower sector antenna line](#) [2], the SKS230065-18N-001 is an ideal base station antenna that is designed for high density wireless network coverage in mobile and fixed applications. It operates in the 2.3 to 2.7 GHz frequency band with 18 dBi gain at 2.5 GHz and +45° and -45° polarization. Significantly reduced upper side lobes produce a tighter beam that reduces the interference with other signals while null fill below the horizon delivers improved close-in coverage.

"The SKS230065-18N-001 is a high-performance sector antenna that was designed through the utilization of Laird Technologies' proprietary Artificial Intelligence RF Optimizing (AIO) development tool," said Quaid Rasheed, Laird Technologies BWA Antenna Product Manager. "It features proprietary design elements and a low loss feed network that results in extremely high levels of system performance and ruggedness while maintaining very slim profiles with low wind and ice loading."

Low loss feed stripline, network and efficient dipole radiators provide high efficiency and gain. Excellent matching of the radiating elements and feed network allows for superior pattern control in elevation. Optimized for maximum ratio combining, two Type N-f connectors at the bottom are provided for easy installation. The SKS230065-18N-001 antenna is ideal for high multi-path environments, large carrier class deployment, and WiMAX service provider applications.

An industry leader in the design and manufacture of [antennas](#) [3] for [mobile devices](#) [4] and [wireless data](#) [5], Laird Technologies possesses end-to-end system knowledge and employs advanced, proprietary design tools to bring novel antenna designs to market with unmatched performance that maximize total system performance and user satisfaction.

For additional information, visit <http://www.lairdtech.com> [6] or contact us at:

Americas: +1-847-839-6907 or [IAS-AmericasEastSales@lairdtech.com](mailto:IAS-AmericasEastSales@lairdtech.com) [7]

Europe: +44-(0)-7595-003-164 or [IAS-EUSales@lairdtech.com](mailto:IAS-EUSales@lairdtech.com) [8]

Asia: +65-6-243-8022 or [IAS-AsiaSales@lairdetch.com](mailto:IAS-AsiaSales@lairdetch.com) [9]

## Base Station Antenna Serves High-Density Wireless Networks

Published on Electronic Component News (<http://www.ecnmag.com>)

---

### Source URL (retrieved on 08/28/2014 - 2:46am):

<http://www.ecnmag.com/product-releases/2011/07/base-station-antenna-serves-high-density-wireless-networks>

### Links:

- [1] <http://www.lairdtech.com/WorkArea/linkit.aspx?LinkIdentifier=id&ItemID=2147483859&libID=2147486015>
- [2] <http://www.lairdtech.com/Products/Antennas-and-Reception-Solutions/Base-Station-and-Backhaul-Antennas/WiMAX-Antenna/>
- [3] <http://www.lairdtech.com/Products/Antennas-and-Reception-Solutions/>
- [4] <http://www.lairdtech.com/Products/Antennas-and-Reception-Solutions/Mobile-Device-Antennas/>
- [5] <http://www.lairdtech.com/Products/Antennas-and-Reception-Solutions/In-Building-Fixed-and-Mobile-Client-Antennas/WLAN-AP-and-Client-Antennas/>
- [6] <http://www.lairdtech.com/>
- [7] <mailto:IAS-AmericasEastSales@lairdtech.com>
- [8] <mailto:IAS-EUSales@lairdtech.com>
- [9] <mailto:IAS-AsiaSales@lairdetch.com>