

What can TMAs do for you?

TMAs work as a hearing aid for the tower

- Andrew TMAs improve base station sensitivity by **lowering the overall system noise** figure and can significantly **increase the cell radius** in an uplink limited system and reduce the required cell count and increase data service speed and added link margin for 3G networks.
- **Maximizing coverage and data throughput**, minimizing dropped calls.
- In-house planning, engineering, and construction capabilities enable us to provide **turn-key solutions**. Near-market distribution centers offer kitting, bundling, staging, and just-in-time availability.
- Consumer expectations of ubiquitous coverage and high quality of service drive a need for **enhanced uplink performance**.
- **Reduce manpower expenses** and opens opportunities for remotely controlled equipment (AISG/RET) in base stations
- AISG compliant TMA's deliver the ability to **remotely optimize cell site antenna patterns** in line with radio planning parameters.
- Potential re-farming 3G networks to be used at 900/1800 frequencies.
- Community push for **less intrusive, smaller footprint** infrastructure for reduced size equipment and improved appearance.
- Outsourcing of construction and maintenance seeks the advantage of partnering with end-to-end capable suppliers.
- Increased sensitivity may result in **fewer sites**.
- **Minimize signal degradation** in the RF path, including feeder runs and co-sitting devices.
- Integrated functions help reduce number of devices and connections, and **improve reliability**.
- Enable **remote monitoring and control** with easy to use, standardized tools.

