



**PALLASIUM INTRODUCES INNOVATIVE SOLUTION ENABLING 3x
INCREASE OF EXISTING WiMAX NETWORK CAPACITY**

***Advanced Algorithms Developed Helps WiMAX Operators Maximize
Network Capacity and QoS without additional antennas or radios.
Ideal as 700MHz Band Becomes Available in U.S.***

Chicago, Illinois, September 26, 2007 – Pallasium is introducing its new Cross Sector Interference Cancellation (**XSIC**) software-based solution, which increases existing wireless network infrastructure capacity by a factor of 3, at WiMAX World, September 26-27, held at Chicago's McCormick Place. The young company, founded in 2005, developed **XSIC** to address the drawbacks of current capacity enhancement techniques via a low-cost, easily implemented method that does not require additional radios or antennas in base station sites.

Pallasium's breakthrough technology provides significant value for both wireless network operator and the infrastructure vendor by expanding existing capacity cost effectively while improving Quality of Service (QoS) and resolving outage occurrences.

Pallasium's suite of **XSIC** solutions uses advanced algorithms and signal processing methods to enable high-quality capacity enhancement. These solutions enable an effective deployment of various frequency planning methodologies, such as real "reuse 1" scheme, which otherwise might result high level of interferences and poor Quality of Service. Pallasium's **XSIC** products can be implemented to compliment other capacity-enhancement solutions such as MIMO.

Pallasium's new **XSIC** technology is especially relevant to the U.S., where the Federal Communications Commission is making available licenses for the 700MHz spectrum. Within the 700MHz environment, **XSIC** results are extremely

powerful in helping WiMAX networks deploy in a much more efficient manner, greater cost effectiveness and simplicity.

Giving Operators and Vendors Important Advantages

Using a software-only solution, Pallasium's technology provides significant improvements in how co-located capacity can be maximized. To date, the only way to reach similar levels of maximization has been to significantly increase the number of antennas and the overall physical size of the antenna array, involving high direct and indirect costs.

The value of Pallasium's technology is directly related to the network operator's high level of expenditure over its purchased spectrum. Using the Pallasium solution, the network operator achieves outstanding advantages related to many aspects of capital and operational expenditures.

With the Pallasium solution, **operators** can realize the following benefits:

- Overall network capacity increase of up to 3 times that of a standard setup.
- Co-located capacity, with a significant reduction in number of cell-sites
- Use of standard sector antennas, unlike alternative solutions that require additional or unique antennas.
- Bandwidth savings - an operator can serve the same number of subscribers with a smaller portion of a spectrum (costs)
- Outstanding solution in the 700MHz band, avoiding enormous antenna arrays and high cost tower structures.
- Considerably increased network performance (capacity, QoS and decreased outage rate), especially in fixed-wireless networks
- Cost-effectiveness because no hardware modifications are required, either in the BTS or in the antenna array, as with other competing solutions.
- No immediate or future modification to installed antennas; no "ready" or other provision is required for future implementation or upgrades
- Lower operational costs (backhaul, no special antenna maintenance, etc.)
- Softer handovers in the network, i.e. lower vulnerability to disconnections

Vendors

- Increased gross margin. Unlike other solutions currently available, Pallasium's solution does not require additional radios, expansive antenna and tower structures

- Maintained ASP. Pallasium's solution significantly adds value for the BTS vendor, as well as for the operator.
- Improved market position through differentiation. Pallasium's solution provides a clear competitive edge to the BTS vendor.
- Simpler BTS site deployment with faster deployments.

About Pallasium

Pallasium was formed in December, 2005 by an executive team with over 60 years of aggregated experience in the mobile industry. The founders have held senior positions in mobile network operation companies, infrastructure vendors and a number of venture-capital-backed wireless technology companies.

Pallasium's founders also have extensive track records in the development and deployment of new products as well as detailed knowledge of wireless infrastructure systems and the maximization of radio capacity systems.

Pallasium is a pioneer in the development of algorithms and software-based solutions enabling WiMAX and other OFDMA networks increase their capacity considerably beyond their original capability.

For more information, go to www.pallasium.com.

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