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Small Cells and Femtocells Market

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Abstracts

LEXINGTON, Massachusetts (October 29, 2013) – WinterGreen Research announces that it has published a new study Small Cells and Femtocells: Market Shares, Strategy, and Forecasts, Worldwide, 2013 to 2019. The 2013 study has 413 pages, 162 tables and figures. Worldwide markets are poised to achieve significant growth as small cell and femtocells and trucks permit users to implement automated driving.

Small cells are better than base stations for expanding wireless infrastructure coverage in the ear of smart phones. Wireless signals have incremental strength added locally in home, airport, or enterprise.

Small cells are able to offload traffic from the macro network to an underlay network at a street and indoor level. Small cells work for individual subscribers, public places, and enterprises. Small cells create a wireless signal transmission zone. A cluster of low-power access points are connected to a local controller. The quality of voice calls and data transmission is improved in a cost effective manner

Small cells are units that address wireless services operator needs to continue to support of mix of 3G and 4G subscriber device generations and a mix of 3G and 4G technology within the same device. LTE standards for data are well established but wireless devices, smart phones still use 3G for voice services, creating a need for 3G and 4G transmission capability.

Delivery of voice services over LTE networks has not been standardized yet. Operators continue to deliver voice via their 3G networks even as they move data to LTE. As a result, subscriber devices are a mix of 3G-only and 4G plus 3G, with very few 4G-only devices. To support these subscribers comprehensively across all types of mobile services, operators must deploy a multi-mode radio access infrastructure including multimode femtocells.

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Multimode femtocells provide a cost effective solution to effectively support all user services. There are 3G microcells, picocells, femtocells, a mix of devices known as small cells.

The number of mobile internet users has surpassed desktop users as tablets erode the PC markets rapidly. Video streaming and VoIP inflate traffic volumes by a factor of 1,000-fold by 2020. Adding conventional base stations is and unaffordable way to handle this situation. Operators are looking for cost-effective solutions to ease the pressure on their existing infrastructure.

The small cell and femtocell designs amalgamate a group of features generally found on macro base station installations to represent a local solution that is cheaper, faster, and better. These include the transmitters, the receivers, software middleware needed for a very local integrated approach to improving signal transmission for smart phones and tablets. Significant investments in research and development are necessary as the emerging small cell and femtocells industry builds on incremental technology roll outs.

Small cell and femtocell market shipments forecast analysis indicates that markets at $420 million in 2012 are forecast to reach $5.98 billion by 2019. Market growth comes because there is no other way to build out wireless data infrastructure in an economical manner. The delivery of apps is anticipated to grow to a $236 trillion, yes trillion dollar, market by 2019. This means a lot of data streaming around.

According to Susan Eustis, principal author of the report, “Small cell market growth is a result of various moves toward autonomous miniature base stations that are used as boxes to improve cell phone transmission, particularly smart phone signal transmission from everywhere.”

Market driving forces relate primarily to the need for increased local signal strength. . Services providers are positioning with various small cell and femtocell models to meet huge demand as the world moves to 8.5 billion smart phones in use by 2019 and trillions of interconnected sensors on the Internet of Things. Many small cell vendors are making inexpensive smart phone local transmission a reality.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info

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WinterGreen Research is positioned to help customers face challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust WinterGreen Research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

This small cells and femtocells shipment analysis is based on consideration of the metrics for the number of smart phones shipped, percent of public places outfitted with small cells and femtocells, and probable market penetrations of macro base station numbers. Experience using the small cells and femtocells is another factor that contributes to development of triangulation regarding market forecasts for the sector.

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