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New *iGR* study forecasts a growing number of Residential Femtocells installed in the U.S.

Study examines how VoLTE and VoWiFi will impact femtocell deployments

AUSTIN, Texas, December 18th, 2014 – Mobile network quality is of critical importance to the wireless and mobile industry. Consumers often judge the worth of a service, application or mobile phone based on their overall network experience. The quality and coverage of cellular voice at home remains a key issue for consumers especially given the ongoing trend toward landline replacement.

Residential femtocells are one way mobile operators can improve the quality of their subscribers' cellular voice service – primarily from the standpoint of creating or improving coverage inside a home. Most residential femtocells deployed in the U.S. today were rolled out to improve coverage for high-value customers. Moving forward, *iGR* believes that this will be the primary use case for residential femtocells, as well.

As LTE networks are further established and the need for additional spectrum increases, mobile operators will increasingly decommission 2G, and eventually 3G, networks. This means that the legacy (circuit-switched) networks will eventually be replaced by Voice over LTE (VoLTE). One way to get improved VoLTE service in the home is to install a residential LTE femtocell, and an alternative way is to use Voice over WiFi (VoWiFi) in the home.

"The best way to get improved VoLTE service in the home is to install a residential LTE femtocell," said Iain Gillott, president and founder of *iGR*, a market research consultancy focused on the wireless and mobile industry. "As this is a substantial opportunity for mobile operators to retain customers, we have forecasted a growth in the install base of LTE femtocells over the next five years."

iGR's new market study, [U.S. Residential Femtocell Market Forecast, 2013 – 2018: Impact of VoLTE and VoWiFi](#) defines femtocells, provides a SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis for both VoLTE femtocells and VoWiFi in the home, and provides profiles

of many major femtocell vendors. The study also gives a five-year forecast for the total addressable market and the number of installed residential femtocells in the U.S.

The following key questions are addressed in *iGR's* market study:

- What is a femtocell?
- How does a femtocell work?
- What are the use cases for femtocells?
- What is the outlook for LTE and VoLTE femtocells in the home?
- How do consumers rate their voice and mobile data experience?
- How do consumers use mobile devices and WiFi in their home?
- How could VoWiFi impact the demand for and use of femtocells in the home?
- What is the total addressable market for residential femtocells in the U.S.?
- How many femtocells are installed in U.S. households?
- What are the anticipated use cases for femtocells in U.S. households?
- How can femtocells be used to offload macro cellular network traffic?
- What are the forecasts for femtocell installation in the U.S.?

In addition, a number of femtocell vendors are profiled in the report, including:

- Airvana
- Alcatel-Lucent
- Argela
- Cisco
- Ericsson
- Fujitsu Network Communications
- Gemtek
- Huawei
- ip.access
- NEC
- Nokia Networks
- Oracle
- Public Wireless
- Samsung Electronics
- Sercomm
- ZTE Corporation

The information in this market study will be valuable for:

- Femtocell and small cell infrastructure vendors
- VoWiFi solution vendors
- Mobile network infrastructure OEMs
- Mobile network software and services providers
- Financial analysts and investors.

The market study can be [purchased](#) and downloaded directly from *iGR's* website at www.iGR-inc.com. Alternatively, contact Iain Gillott at (512) 263-5682 or at Iain@iGR-inc.com for additional details.

About *iGR*

[iGR](#) is a market strategy consultancy focused on the wireless and mobile communications industry. Founded by Iain Gillott, one of the wireless industry's leading analysts, in late 2000 as *iGillottResearch*, *iGR* is now in its fourteenth year of operation. *iGR* continuously researches emerging and existent technologies, technology industries, and consumer markets. We use our detailed research to offer a range of services to help companies improve their position in the marketplace, clearly define their future direction, and ultimately improve their bottom line.

iGR researches a range of wireless and mobile products and technologies, including: smartphones; tablets; mobile wearable devices; connected cars; mobile applications; bandwidth demand and use; small cell and het-net architectures; mobile EPC and RAN virtualization; DAS; LTE; VoLTE; IMS; NFC; GSM/GPRS/UMTS/HSPA; CDMA 1x/EV-DO; iDEN; SIP; macro-, pico- and femtocells; mobile backhaul; WiFi and WiFi offload; and SIM and UICC.

A more complete profile of the company can be found at www.igr-inc.com.