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The 2G, 3G & 4G Wireless Network Infrastructure Market: 2012 - 2017

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Abstracts

The wireless network infrastructure market is currently in a phase of transition as mobile network operators seek to address increasing mobile traffic demands amidst global economic uncertainties. This paradigm shift is bringing new challenges and opportunities to infrastructure vendors.

In 2011, global 2G , 3G and 4G wireless infrastructure revenues stood at $45.9 billion. Signals and Systems Telecom estimates that these revenues will increase 8 percent year on year (YOY) reaching $49.7 billion by end of 2012, primarily driven by LTE investments. However, between 2012 and 2017, the market is expected to shrink to $48.6 billion.

Although, the new wave of 4G macrocell Radio Access Network (RAN) and core network investments will not be able to compensate the overall declines in 2G and 3G equipment sales, operators are expected to significantly increase their spending in the evolving small cell and carrier WiFi equipment market. Small cell and WiFi offload equipment will represent a market worth $5.4 billion in 2017. Consequently the small cell and WiFi offload market segment is attracting considerable attention from both established vendors as well as startups which solely focus on the small cell market.

This report provides an in-depth assessment of the 2G, 3G and 4G wireless network infrastructure market, and also explores the small cell and WiFi offload, and the mobile backhaul markets. Besides analyzing the key market drivers, challenges, regional CAPEX commitments and vendor strategies, the report also presents revenue and unit shipment forecasts for the wireless network infrastructure, small cell and WiFi offload, and the mobile backhaul markets from 2012 to 2017 at a regional as well as a global scale. Historical figures and vendor shares are also provided for 2010 and 2011.

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Topics Covered:

The report covers the following topics

2G (GSM and CDMA) technology and market trends

3G (WCDMA, TD-SCDMA and CDMA-2000) technology and market trends

4G (LTE, WiMAX) technology and market trends

Core network equipment market trends

Mobile backhaul equipment and market trends

WiFi offload, small cell and HetNet technology and market trends

Market drivers for wireless network infrastructure investments

Challenges to the wireless network infrastructure ecosystem

Vendor profiles and strategies

Global and regional market analysis and forecasts

SWOT analysis of the wireless network infrastructure market

Key Questions Answered:

Key Questions Answered:

The report answers to the following key questions.

How is the 2G, 3G & 4G infrastructure market evolving by segment and region? What will the market size be in 2017 and at what rate will it grow?

What trends, challenges and barriers are influencing its growth?

How will the market shape for small cell infrastructure such as Femtocells, Picocells, Microcells and other ""HetNet"" deployments?

How will WiFi fit into future network architectures for access and offload?

Who are the key vendors in the market, what is their market share and what are their strategies?

What strategies should be adopted by operators and vendors to remain a dominant market force?

Which 2G, 3G & 4G technology constitutes the highest amount of spending and how will this evolve overtime?

How will LTE deployments proceed, and how long will GSM, HSPA and CDMA technologies coexist with LTE?

When will WiMAX infrastructure spending diminish ?

What is the global and regional outlook for RAN and core network sub-markets ?

What is the opportunity for wireless backhaul market, and what new backhaul solutions are evolving?"

With global shipments increasing by 280 % in 2011, android smartphones have attained a global smartphone market share of 32 % in a relatively short span of time from just 13 % in 2010. Google recently announced in its Q3 2011 conference call that the total number of android activations had surpassed 190 million, up from 135 million in Q2 2011.

In particular, with the entry of Chinese and Indian vendors into the market, the race to lower android smartphone prices is gaining momentum, which in consequence has lead to the early emergence of mid-tier android devices. Furthermore Google’s recently announced acquisition of Motorola with its 17,000 approved and 7500 pending patents, will considerably assist in the protection of android and it’s ecosystem from patent infringement lawsuits. The move is further likely boost android sales, and consequently the market share. This database individually lists the number of active android devices by handset model, region and country as of Q3 2011. The database covers the

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worldwide market divided in 7 regions (Asia Pacific, Middle East, Africa, Western Europe, Eastern Europe, North America, Latin and Central America) over 215 android devices from Acer, Altek, Commtiva, Coolpad, Dell, Dopod, GarminAsus, Gigabyte, HTC, Huawei, i-Mobile, INQ Mobile, KT Tech, KTFT, K-Touch, Lenovo, LG, Micromax, Motorola, NEC, Pantech & Curitel, Samsung, Sharp, SK telesys, Sony Ericsson, Spice Mobiles, Toshiba, Videocon Mobile and ZTE. The target audience for this report includes handset manufacturers, application developers and mobile network operators. The following 13 major countries are individually covered as well: U.S.A, U.K, Canada, Germany, Brazil, Russia, India, China, Indonesia, Mexico, South Korea, Singapore and Taiwan. Further statistics from additional countries can be supplied on demand. The database reveals that that HTC's Wildfire series and Samsung's Galaxy series of smartphones are leading the market share, with the U.S and China leading the market from a regional perspective. All variants of particular smartphone series are individually covered in the database. As an example, for the Samsung Galaxy S series, the GT-i7500, Galaxy, GT-i9000, Galaxy S, GT-i9100, Galaxy S II and all other individual variations are covered individually.

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