

EJL Wireless Research Reports Global BTS Antenna Shipments Hit Record Volumes in 2014

BTS antenna revenues increased 49% in 2014 to a record USD \$4.3 billion; Near term outlook mixed due to weakness in 2015 and recovery in 2016 and 2017

SALEM, NEW HAMPSHIRE, UNITED STATES, November 17, 2015 /EINPresswire.com/ -- The global BTS antenna shipments increased by 20% in 2014 to record unit volumes, according to the latest report from [EJL Wireless Research](#) titled "Global BTS Antenna Market Analysis and Forecast, 2015-2019 7th Edition." "The increase in 2014 was due to TDD antenna shipments for China Mobile, Reliance Jio, and partially to Sprint, as volumes surged by 126%. The FDD market grew only 3.4% The FDD market continues to shift away from legacy 2-port single column (single band) sectorized panel antennas to multi-port multi-column (4-12-ports) antennas. As a result, multi-port antennas were 68% of the overall mix in 2014, compared with 62% in 2013," says founder and President, Earl Lum. EJL Wireless Research is forecasting that the BTS antenna market will experience a 30% decline in shipments in 2015 due to weakness in China as well as in North America. EJL Wireless Research is also reporting the accuracy of its prior forecast for 2014 with a 1% variance in overall unit shipments.

FDD [multi-port BTS antenna](#) shipments grew 14% year over year while legacy 2-port antenna shipments declined by 14%. Initial volumes of 12-port products shipped in 2014 with strong growth from the higher port count products (6/8/10-ports). We estimate that the Tier 1 BTS antenna suppliers controlled 54% of total BTS antenna shipments in 2014, down from 59% in 2013. Chinese antenna OEMs were able to capitalize on domestic opportunities as well as regional expansions in 2014 to capture market share.

"From an RF connector perspective, the market continued to be dominated by 7/16 DIN type and N type in 2014 with small amounts of 4.1/9/5 DIN and 4.3/10 DIN connectors shipping. We expect the market to shift towards the 4.3/10 DIN type due to higher [PIM performance](#) as well as use of these connectors on higher port count antenna products (10/12/14-ports) due to their smaller footprint," says Lum.

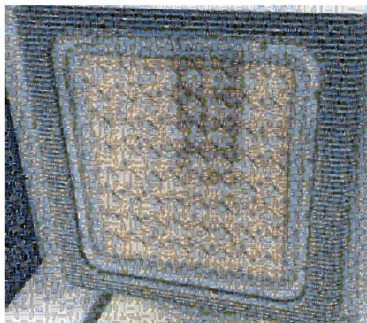
Total revenues including passive and semi-active antennas


Market Analysis



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Earl Lum, President

EJL Wireless Research forecasts antenna revenues to reach a record USD \$5.5 billion in 2016.

“China maintained its leadership position as the largest BTS antenna market in 2014 with 38% share as China Mobile's TDD-LTE deployment drove substantial shipments while China Unicom and China Telecom FDD LTE deployments also contributed to regional demand. We expect this to rebound in 2016,” says Lum.

We are introducing the concept of an integrated eNodeB active antenna (eNb-AIA) supporting 4G+ and 5G massive MIMO (64T64R+) solutions that takes the integration of antennas to yet another level of sophistication and complexity. Chinese vendors such as Datang Telecom, Huawei Technologies, and ZTE have already demonstrated prototypes of these solutions earlier at Mobile World Congress Barcelona and at Mobile World Congress Shanghai with impressive throughput results.

About EJL Wireless Research

EJL Wireless Research provides proprietary, accurate and cutting-edge market analysis and consulting services on the wireless technology ecosystem and defense and aerospace industries. The firm's wireless infrastructure research division focuses on all vertical elements of the wireless ecosystem including mobile subscribers, mobile operators, mobile handsets, mobile infrastructure and mobile content. In addition, the firm provides analysis across horizontal technology suppliers including RF semiconductor materials, RF semiconductor/components, subsystems and OEMs. Similarly, the defense and aerospace division focuses its efforts on the ecosystem supporting UAV and airborne platforms and subsystems. Our goal is to provide our clients with mission critical market analysis and information.

EJL Wireless Research believes it has a corporate responsibility, both local and international, in giving back to the community. Please visit our website for more information about the charitable organizations it supports at: http://www.ejlwireless.com/corporate_responsibility.html.

EJL Wireless Research is managed by Earl Lum. Mr. Lum has more than 20 years of experience within the wireless industry including 8 years as an Equity Research Analyst on Wall Street covering the global wireless industry. The company is headquartered in Salem, NH. For more information about EJL Wireless Research, please visit the company's websites at www.ejlwireless.com, www.ejldefense.com or our weblog at <http://ejlwireless.wordpress.com>.

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