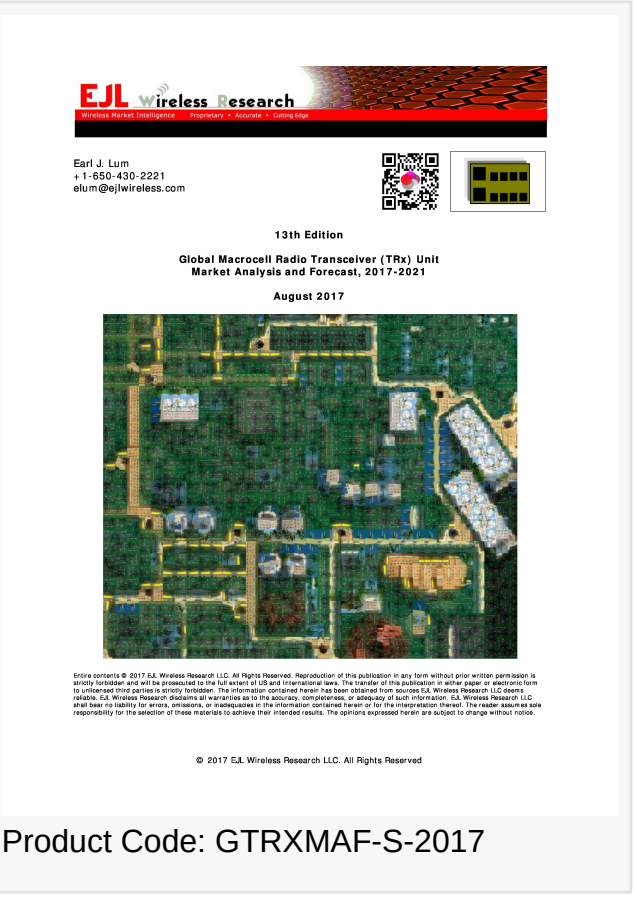
EJL Wireless Research Forecasts Global Macrocell 5G NR Transceiver shipments to hit 190 million units in 2021

Huawei Technologies is #1 for FDD LTE while ZTE is #1 for TDD LTE as Chinese vendors take control of the market; 4T4R FDD Transition to Double Transceiver TAM

SALEM, NH, UNITED STATES, August 31, 2017 /EINPresswire.com/ -- Shipments of macrocell radio transceivers (TRx) increased by 41% in 2016 to another year of record shipments, according to the latest report from EJL Wireless Research titled “Global Macrocell Radio Transceiver (TRx) Market Analysis and Forecast, 2017-2021 13th Edition.” “We expect that 5G new radio (NR) transceiver shipments will capture 80% of overall shipments by 2021,” says founder and President, Earl Lum. EJL Wireless Research is forecasting that the macrocell radio TRx market will see a 4% decline in shipments in 2017 due to lower CAPEX spending in China and Asia Pacific as well as softness in other regions before rebounding to growth in 2018.



Product Code: GTRXMAF-S-2017

EJL Wireless Research estimates that Chinese equipment vendors accounted for 66% of total radio TRx shipments in 2016 and have broken a deadlock at the 50% market share level they have shared with the European vendors over the past few years. Coupled with the expectations that China will be one of the first countries to commercially launch 5G services by 2020, the Chinese equipment vendors are again expected to dominate their home market.

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> *Earl Lum, President, EJL Wireless Research LLC*

“We forecast that the migration of mobile networks towards 4.5G LTE-Advanced Pro technology with 4T4R remote radio units (RRU) will essentially double the total available market (TAM) for radio TRx while massive MIMO antenna radio systems (ARS) will increase the TRx multiplying factor by another 4-32x,” says Lum.

“Massive MIMO ARS for 5G using higher frequency band spectrum will effectively usher in a “period of prosperity” for the compound semiconductor industry as silicon semiconductor technologies for RF power amplifiers give way to gallium arsenide (GaAs) and gallium nitride (GaN) based compound semiconductors. Microwave

5G NR TRx for the 26/28GHz spectrum is forecasted to exceed 20 million units by 2021," says Lum.


Earl Lum, President EJL Wireless Research

About EJL Wireless Research
EJL Wireless Research provides proprietary, accurate and cutting-edge market analysis and consulting services on the wireless technology ecosystem. The firm's wireless infrastructure research focuses on specific vertical elements of the wireless ecosystem including spectrum/regulatory trends, mobile operator CAPEX, and the radio access network (RAN). In addition, the firm provides analysis across horizontal technology suppliers including RF semiconductor materials, RF semiconductor/components, subsystems, and network solution vendors. The firm's goal is to provide its clients with 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 website at www.ejlwireless.com.

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