



EJL Wireless Research Reports Global Macrocell RRU/ARS Shipments Down 13% in 2018

5G Massive MIMO ARS shipments capture 2% share due to China and South Korea; 5G demand is a mixed bag with 8T8R RRU emerging as the entry point, not 64T64R ARS

HALF MOON BAY, CALIFORNIA, UNITED STATES, August 26, 2019 /EINPresswire.com/ -- Shipments of [remote radio units \(RRU\)](#)/antenna radio systems (ARS) experienced a decline of 13% in 2018 after growth in 2017, according to the latest report from EJL Wireless Research titled "Global Macrocell RRU/ARS Market Analysis and Forecast, 2019-2023 3rd Edition." "The last several years have been choppy due to the transition from 4G to 5G, coupled with the U.S. export ban on ZTE in 2018, and continued mobile operator consolidation. LTE networks are mature and now migrating to LTE-Advanced (LTE-A) and LTE-Advanced Pro configurations," says founder and President, Earl Lum. EJL Wireless Research is forecasting another down year in 2019 before a recovery in 2020.

"China is the main driver for [5G NR massive MIMO 64T64R ARS](#) shipments in 2019, followed by massive MIMO 32T32R ARS in South Korea, and 8T8R RRU/massive MIMO 64T64R ARS in Europe. 5G mmWave ARS shipments continue to proceed at a snail's pace in the United States. We continue to believe that the current U.S. export ban for Huawei Technologies will not impact RRU/ARS shipments in 2019 however 2020 is a different story altogether," says Lum.

"For initial 5G deployments, we are bullish on 8x8 MIMO using traditional [8T8R RRUs](#) and passive antennas and using the massive MIMO 64T64R ARS solution in a more surgical role and bearish on mmWave technology for mobile 5G services. We are also bullish on dual band RRUs for LTE-A upgrades as well as sector splitting to increase overall capacity and throughput when compared to massive MIMO ARS solutions," says Lum.

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 vertical elements of the wireless ecosystem including telecommunication standards evolution, global and regional regulatory issues, spectrum availability, mobile operators, and mobile infrastructure equipment vendors. In addition, the firm provides analysis across horizontal technology suppliers including RF semiconductor materials, RF semiconductor/components, and RF subsystems. Our goal is to provide our 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 over 25 years of experience within the wireless industry including 8 years as an Equity Research Analyst on Wall Street. The company is headquartered in Half Moon Bay, CA. For more information about EJL Wireless Research, please visit the company's website at www.ejlwireless.com.

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