

EJL Wireless Research Analyzes Huawei 5G NR 8T8R Remote Radio Unit

DNA-I Teardown Report First in Series on 5G NR Non-Massive MIMO Radios;

Design Architecture Provides Insights on Huawei's Semiconductor Supply Chain Strategy

HALF MOON BAY, CA, UNITED STATES, October 14, 2021 /EINPresswire.com/ -- EJL Wireless Research is excited to announce a new report to its [Design Analysis-Infrastructure](#) (DNA-I) research series. The DNA-I series focuses on radio access network (RAN) equipment teardown reports. These reports provide invaluable insight into the design philosophies and architectures for the major radio equipment OEMs as well as a complete bill of materials (BOM) for major semiconductor integrated circuit (IC) and passive component products and suppliers.

The new report is on a [Huawei Technologies](#) 5G NR remote radio unit (RRU), the [RRU 5818](#), which is an 8T8R RRU capable of RF output power of 50W per channel for a total RF power output of 400W at the operating frequency of 3500MHz, making it one of the highest power single sector 5G NR RRUs available on the market.

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The RRU 5818 illustrates the massive shift in Huawei Technologies' semiconductor supply chain strategy.”

Earl J. Lum, President, EJL Wireless Research

“The RRU 5818 illustrates the massive shift in Huawei Technologies' semiconductor supply chain strategy after the U.S. Department of Commerce, Bureau of Industry and Security's ("BIS") export ban in May 2019. The subsequent tighter restrictions issued by the BIS through August 2020 have made it essentially impossible for Huawei Technologies to openly purchase a semiconductor device from any company in the world. Our analysis of both the semiconductor suppliers as well as the level of functional integration within the RRU shows how Huawei



Technologies has modified its radio designs," 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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