



FREEWAVE TECHNOLOGIES INTRODUCES FIRST LICENSED SPECTRUM DATA RADIO FOR INTERNATIONAL MARKETS

New LRS radios designed for customers in Europe, Canada, Latin America and New Zealand

DISTRIBUTECH 2011, San Diego, Calif. (Booth #1344), Feb. 1, 2011 -- FreeWave Technologies, (<http://www.freewave.com>), manufacturer of the most reliable, high-performance spread spectrum and licensed spectrum radios for mission critical data transmission, today introduced its new LRS data radios for robust industrial wireless data connectivity using licensed spectrum outside the USA. The new data radios expand and complement the already existing licensed spectrum product offerings from FreeWave, demonstrating its global leadership. FreeWave's family of licensed radio offerings includes the narrow band licensed frequencies of 400 MHz, 455 MHz, 700 MHz and 1.4 GHz, and is an ideal solution for SCADA applications in oil and gas, water/wastewater, Smart Grid, precision agriculture and similar industrial markets.

The new LRS radios are designed to meet the communication standards in international markets and support the respective licensed spectrum frequencies. Already European Telecommunications Standards Institute (ETSI) certified for use in more than 27 European countries, plus Canada, Mexico and New Zealand, the LRS Series radios offer superior RF link budgets through higher RF receive sensitivity, rather than increased RF output power. The resulting lower power consumption of the LRS radios not only makes them more suitable for remote installations and solar power than other licensed spectrum products on the market, it also allows for significant cost savings.

As true serial data radios, the LRS series radios provide optimum use of the available bandwidth in narrow-band UHF channels without the protocol overhead of native-IP radios. The LRS series, including the new ETSI approved radios, operates in licensed UHF frequencies (406 – 430 MHz and 435 MHz to 470 MHz) for exclusive, non-shared use of the RF spectrum, decreasing the likelihood of congestion or interference. The radios are housed inside an industrial-grade, small and rugged enclosure that offers



mounting and installation versatility, including a DIN rail mounting option, with all connectors conveniently located on one side of the enclosure.

“The LRS series radios are an ideal solution for mission critical data transmission in narrow-band licensed spectrum and offer both superior performance and the proven reliability and quality that our customers have come to know and expect in our products,” said Matthias van Doorn, product manager, Ethernet & licensed radio systems at FreeWave.

“Customers who deploy these radios in remote locations that depend on battery power and solar charging will appreciate the industry-leading RF receive sensitivity and performance to support longer links even without high RF output power and associated high current draw that other products in the market require,” van Doorn explained. “And unlike native-IP radios, the LRS Series does not get burdened with protocol overhead for its serial data communication, resulting in better throughput, faster polling cycles and an increased number of remote radios that can be polled from the same master site. This results in significant savings for our customers and may help explain why FreeWave LRS radios will fast become the preferred choice for narrow-band licensed spectrum applications worldwide.”

Availability, Configurations, and Pricing

The LRS-455 EU Series is available now and can be purchased in multiple configurations, including point-to-point and point-to-multipoint, slave or repeater. Pricing varies, depending upon customer configuration.

About FreeWave Technologies

Founded in 1993, FreeWave Technologies manufactures the most reliable, high performing, lowest power consumption, spread spectrum and licensed radios for mission-critical data transmission. Through engineering excellence and a relentless commitment to best-in-class manufacturing, FreeWave customers enjoy superior radio up-time, range



and the lowest cost of ownership available. Based in Boulder, Colorado, FreeWave designs and manufactures radios that are the leading choice for oil and gas, utility, military and numerous other industrial applications. Organizations that count on radio data communications for operational success – where failure and down-time are not an option – trust FreeWave for custom network design, system engineering and customer support that is unparalleled in the market. For additional information, contact FreeWave directly at 866.399.4930 or at newsinfo@freewave.com. Visit the company's website at www.freewave.com.

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