

FreeWave Technologies' New LRS455 Licensed Radio Offers Improved Transmission Performance in Rough Terrain
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FREEWAVE TECHNOLOGIES' NEW LRS455 LICENSED RADIO OFFERS IMPROVED TRANSMISSION PERFORMANCE IN ROUGH TERRAIN

Licensed radio for North America offers greater distance, lower power consumption so customers can acquire critical data in difficult terrain

Boulder, Colo., June 29, 2009 — FreeWave Technologies, (<http://www.freewave.com>), manufacturer of the most reliable, high-performance spread spectrum and licensed radios for critical data transmission, today announced the availability of the LRS455. The newest licensed radio from FreeWave offers the lowest power consumption, transmission range and receiver sensitivity available in the market. Due to superior RF propagation characteristics (430-470 MHz at 2 watts), the LRS455 is ideal for rugged and heavily treed terrain applications in oil and gas, water/wastewater, electric and municipality markets.

“Customers increasingly need to access critical data from difficult terrains, and the board level and enclosed LRS455 radios provide outstanding performance and versatility to meet this growing demand,” said Ken Granader, vice president of sales at FreeWave. “As always, this latest offering blends the highest level of field performance with the lowest power consumption to help customers incorporate wireless communications into a wider variety of applications.”

The LRS455 complements FreeWave’s industry leading licensed radios, the LRS-760 and LRS-140. It offers a faster data rate and more noise immunity than competitors’ offerings and is perfectly suited for long-distance SCADA applications located within rough terrain or heavy tree coverage. The propagation characteristics at 430-470 MHz at 2 watts are significantly better than higher frequencies at 1 watt, making the LRS455 radio ideal for areas with heavy interference. Field tests also show that the LRS455 performs at a four- to five-times greater range than competitive offerings.

The LRS455 provides advanced system and network management capabilities through the recently introduced FreeWave Tool Suite, an integrated software platform for all aspects of radio and network configuration and diagnostics.

Some of the key technical specs of the LRS455 include:

- Customizable to user needs – users can select whatever range they wish across the 435-470 MHz spectrum.
- High Speed – 19200 bps throughput on a 12.5 kHz channel.
- Long Range – 70 mile range with clear line of sight and the ability to extend through a repeater.
- High Noise Immunity - Superior performance in noise-congested environments.

The LRS455 is available for immediate shipment and is available in board level or enclosed formats. Additional information, including detailed specifications, is available online at <http://www.freewave.com/LRS455> or by contacting the company at 800-548-5616.

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, transmission reach 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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