



## **Memphis Light Gas & Water, the nation's largest multi-service utility, testing Full Spectrum's FullMAX Private Licensed Broadband Wireless System**

February 9, 2011, Palo Alto, CA: Memphis Light Gas and Water (MLGW), the nation's largest multi-service public utility, has started testing Full Spectrum's FullMAX Private Licensed Broadband Wireless System. FullMAX is a turnkey, 4th generation, private, broadband wireless system capable of providing wide area coverage for mobile and fixed data. A FullMAX Base Station offers 4<sup>th</sup> generation mobile functionality with coverage up to 20 miles (or 10 times the range of consumer 4<sup>th</sup> generation technologies).

MLGW is testing FullMAX as a replacement for its legacy, narrowband, private mobile data system. MLGW's fleet includes more than 500 utility vehicles today that require mission critical mobile data connectivity for work order and outage management. FullMAX offers the ability to handle legacy applications while supporting new, higher bandwidth mobile data applications including remote intranet access and automatic vehicle location (AVL). By leveraging 4<sup>th</sup> generation IP protocols and quality of service (QoS) features, the same FullMAX system is capable of supporting mission critical smart grid applications for distribution automation and smart meter backhaul. This includes the ability to meet new Critical Infrastructure Protection (CIP) rules as defined by the North American Electric Reliability Council (NERC).

The FullMAX end-to-end system includes the BS1000 Base Station, the MS4000 Mobile Station, the FS4000 Fixed Station and the NMS1000 Network Management System. FullMAX radios are based on a high power unified Software Defined Radio (SDR) architecture capable of operating in any frequency below 1 GHz. Legacy technologies and new 4<sup>th</sup> generation consumer technologies such as LTE and WiMAX are designed for a very narrow range of frequencies at very low transmit power. FullMAX is capable of working in any frequency below 1 GHz in software configurable channels sizes from 166 kHz to 5 MHz for higher bandwidth.

### About Full Spectrum Inc.

Full Spectrum designs, develops and manufacturers licensed broadband wireless equipment for mission critical industries. Full Spectrum's FullMAX™ Broadband Wireless Platform is the first end-to-end private wireless system for all Sub 1 GHz frequencies. FullMAX offers maximum wide area mobile and fixed wireless coverage with minimal infrastructure with data rates up to 10 Mbps. For more information please visit:

[www.fullspectrumnet.com](http://www.fullspectrumnet.com)

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