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Dedicated Licensed Spectrum & WiMAX Technology Available For Smart Grid Communications

June 5, 2009

Space Data® the dominant nationwide wireless spectrum holder in the NPCS band, is offering its 930 MHz licensed spectrum for smart grid communications in combination with Full Spectrum's FullMAX™ Broadband Wireless System. FullMAX is the first Sub 1 GHz, end-to-end, wireless system based on the Mobile WiMAX standard. Together, the solution offers utilities their own private wide-area mission critical communications network for real time remote command and control of electric utility smart grid devices.

Las Vegas, NV (Vocus/PRWEB) -- Space Data® the dominant nationwide wireless spectrum holder in the NPCS band, is offering its 930 MHz licensed spectrum for smart grid communications in combination with Full Spectrum's FullMAX™ Broadband Wireless System. FullMAX is the first Sub 1 GHz, end-to-end, wireless system based on the Mobile WiMAX standard. Together, the solution offers utilities their own private wide-area mission critical communications network for real time remote command and control of electric utility smart grid devices.

"The combination of our interference free, high powered frequencies with state of the art WiMAX technology provide utilities with a dedicated private broadband wireless system," stated Jerry Knoblach, CEO of Space Data.

Secure, wide-area, broadband communications are a critical element to the successful deployment of smart grid devices in difficult to reach distribution and substation automation locations throughout the electric grid. Utilities also have a need for high speed mobile data to the vehicle for remote intranet access including graphical information and other mobile workforce management applications.

"In terms of grid automation, much of the focus to date has been directed toward automatic meter reading and control. However, real-time, command and control of higher level grid devices are of equal if not greater importance in the drive for overall grid efficiency," stated Stewart Kantor CEO of Full Spectrum.

Reclosers, voltage regulators, capacitor banks, and substations are typically distributed in difficult to reach areas over very wide geographies. Public wireless networks lack the coverage and quality of service to be an effective solution. Unlicensed wireless systems lack both the quality of service and transmit power to reach these locations in a cost effective manner. Ignoring quality of service, unlicensed systems can require up to 40 times the infrastructure cost of a licensed solution, dwarfing the cost of obtaining licensed spectrum.

About Full Spectrum

Full Spectrum designs, develops and manufactures licensed broadband wireless equipment for mission critical industries. Full Spectrum's FullMAX™ Broadband Wireless Platform is the first end-to-end private wireless system based on Mobile WiMAX standard (802.16e-2005) for Sub 1 GHz frequencies. FullMAX offers maximum wide area mobile and fixed wireless coverage with minimal infrastructure for private networks. The FullMAX single high power radio platform supports all licensed frequencies from 40 MHz to 958 MHz with data rates up to 10 Mbps. For more information please visit www.fullspectrumnet.com or UTC Telecom 2009 booth #633.

About Space Data

Space Data is the leader in Near Space Communications where we fly balloon borne SkySite® platforms at altitudes of 65,000 to 100,000 feet. SkySites extend the range of military UHF radios to over 500 miles. Space Data operates a 900 MHz SkySite M2M network that provides remote asset and rural telemedicine monitoring. Our paired and 39 MHz offset 901-940 MHz NPCS spectrum and Harmony iDEN switch are also used terrestrially to upgrade LMR networks to digital and for shared private digital networks for campus and enterprise customers. For more information please visit www.spacedata.net or UTC Telecom 2009 booth #126.

SOURCE: PRWeb

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