

Telsimas Sub-GHz WiMAX system demonstrates a 50km (30mile) high capacity broadband Internet connection at 450MHz

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- Rural and developing markets requiring high coverage for low density are best served using sub 1GHz frequencies
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- Telsima's solution is able to accommodate any carrier frequency from 400 - 1000MHz; operators can deploy this tunable solution for their allocated frequency band
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- Telsima's 450MHz solution successfully supported a high quality 64QAM communications link at a 50km distance with non-line of sight performance
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- Telsima's 450MHz WiMAX solution includes Base Station, Subscriber Station, Network Management and Provisioning Systems

SUNNYVALE, California, April 15, 2008 Telsima Corporation, a global leader in WiMAX systems, announced today that it has successfully demonstrated a 50km (30mile) high capacity broadband connection using its Sub-GHz WiMAX system in a 3 MHz channel under near line of sight conditions in the 450 MHz frequency band. Telsima's Sub-GHz solution is able to accommodate any carrier frequency from 400MHz to 1000MHz, enabling operators to rapidly deploy a tunable solution to suit their allocated frequency band.

The tests, conducted over a period of several days in the months of February and March of 2008 in Slovenia, stimulated significant commercial interest for using 450MHz and other sub-GHz frequencies carrier grade frequency bands. The base station was located at Vir Domale silos with a vertically polarized antenna with 10.15 dBi gain. The subscriber station, using a Yagi antenna with a 10.65 dBi gain, was installed in a car that drove across terrain that included dense foliage and wooded hills. At a distance of 50 km, at Javornik, the WiMAX system communication link yielded excellent results; modulating at 64QAM in the downlink and 16QAM in the uplink; providing over 6Mbps throughput over the wireless link.

Wolfgang Mack, CMO Telsima commented, "Compared to higher frequency systems, the Sub-GHz solutions are technically and economically suited for covering large areas where the foliage is dense and the terrain does not allow for line of sight communications between the subscriber station and base station. We are very optimistic in our Sub-GHz solution's capability to address the needs of high coverage, low density markets with high modulation rate capacity".

Burcak Beser, CTO Telsima, explains, "These lower frequencies perform better in wooded and hilly environments because of their superior wave propagation characteristics enabling large sectors and wave diffraction around interfering objects such as hills and buildings. Rural areas in global markets, where the subscriber density is lower, are therefore more efficiently served using these sub-GHz frequencies. Of particular significance of our system demonstration is the excellent connection quality; sustaining modulation rates of 64QAM in the downlink and 16QAM in the uplink in a WiMAX system configuration suitable for wireline replacement voice quality services.

Telsima's 450/700 MHz solution includes Base Stations, Subscriber Stations, NMS and Service Provisioning. Telsima's Sub-GHz systems are able to deliver Internet, Voice and Multimedia services over a wireless broadband connection to remote users where coverage is more important than initial system capacity. This solution was unveiled in December 2007 and is expected to be in commercial deployments in the second half of 2008. <http://www.telsima.com/index.php?t=news&id=28&year=> [1]

Telsima's mobile WiMAX product portfolio allows operators to offer mobile services, MIMO antenna diversity and ASN network control today while smoothly migrating to 802.16e-2005 and NWG ASN solutions once commercially available.

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About Telsima

Telsima Corporation is a leading provider of Mobile WiMAX and WiMAX Certified Broadband Wireless Access (BWA) solutions. Telsima's award-winning, innovative technologies offer service providers economic advantages, new business models and more capital efficient network investment profiles. The Company has supplied the largest WiMAX Certified deployments in the world, with over 10,000 base station sectors and 100,000 modems sold to Tier 1 operators in India, Eastern Europe, Russia and Africa in 2007. Telsima has been an active Principle Member of the WiMAX Forum since 2004. The Company is backed by leading Silicon Valley investors including NewPath Ventures, CMEA Ventures, New Enterprise Associates, JAFECO Asia, Intel Capital and other strategic investors. Telsima is headquartered in Sunnyvale, California with development, sales and customer support offices in Bangalore, New Delhi, Mumbai and Ljubljana, Slovenia. For full details on the Company's Mobile WiMAX product portfolio, please visit www.telsima.com [2].

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Links:

[1] <http://www.telsima.com/index.php?t=news&id=28&year=>

[2] <http://www.telsima.com>