

WiMAX Forum News

Weekly Clip Report January 19 – 26

Articles of Note

Practical Tips on Making WiMAX Field Measurements, Part 1, January 24, CommsDesign
Worldwide Interoperability for Microwave Access (WiMAX) digital communications technology is based on wireless transmission methods defined by the IEEE-802.16 air interface standard. Intended for wireless metropolitan area networks, it provides broadband wireless access up to 30 miles for fixed stations, and 3 to 10 miles for mobile stations.

http://www.commsdesign.com/design_corner/showArticle.jhtml?articleID=197000698

Report: Cellular Carriers Need to Develop WiMAX Strategy...Now, January 24, RF Globalnet
The impact of WiMAX on the cellular industry is not currently known, but carriers need to put together their strategies concerning WiMAX now, reports In-Stat. For existing cellular carriers, WiMAX may potentially become a big competitor, a great ally, or a minor factor, the high-tech market research firm says. Nevertheless, it's clear that a strategy for WiMAX is the biggest decision cellular carriers have had to make since planning for 3G deployment.

<http://www.rfglobalnet.com/content/news/article.asp?DocID=%7B12BDAC27-21DE-421D-9168-BEC024A94860%7D&Bucket=Current+Headlines&VNETCOOKIE=NO>

<http://www.cellular-news.com/story/21534.php>

<http://www.mobiletechnews.com/info/2007/01/23/003802.html>

<http://www.bbwxchange.com/pubs/2007/01/23/page1409-421803.asp>

<http://80216news.com/pubs/2007/01/23/page1299-421803.asp>

Is the WiMAX Security Scare a Big Furphy, January 22, iTWire

A couple of weeks ago ABI Research, a US based company, specializing in market research and intelligence of a range of telecoms technologies, issued a press release, which I reported in iTWire, warning that "contrary to many users' expectations, WiMAX does have a number of security vulnerabilities."

<http://www.itwire.com.au/content/view/8812/1095/>

4G Race Finds WiMAX in Minority Position, January 22, EETimes.com

WiMax won't grab the brass ring as the technology that defines fourth-generation cellular systems. But it is likely to capture a healthy minority stake in that emerging sector, and it could help bring Internet access to a new generation of consumer devices. That was the assessment that emerged from the annual gathering here of the Wireless Communications Association International (WCA), a lobbying group whose members generally promote WiMax.

<http://www.eetimes.com/news/semi/showArticle.jhtml?articleID=196902166>

TenXc Wireless Announces Pakistan Development Centre With Coherent Designs to Accelerate Advanced Wireless Systems, January 26, Broadband Wireless Exchange

TenXc Wireless Inc. and Coherent Designs Pvt. announced the establishment of a joint development center in Islamabad, Pakistan. The new development Center expands TenXc's existing research and development capabilities and will play an integral role in the development of evolving fourth generation (4G) access systems such as mobile WiMAX and 3GPP LTE with combined MIMO/AAS technology.

<http://www.bbwxchange.com/pubs/2007/01/25/page1409-427241.asp>

<http://wirelessweek.com/article/CA6410094.html?text=wimax>

Patent for Multi-Carrier Communications with Adaptive Cluster Configuration and Switching Awarded to Adaptix, January 23, Broadband Wireless Exchange

The U.S. Patent and Trademarks Office (USPTO) has issued U.S. Patent No. 7,146,172, entitled "Multi-Carrier Communications with Adaptive Cluster Configuration and Switching," to ADAPTIX, a pioneer in the development of OFDMA and Mobile WiMAX technologies. This new patent further underscores the company's strength in OFDMA and related technology intellectual property (IP) rights.

<http://www.bbwxchange.com/pubs/2007/01/23/page1409-421802.asp>

<http://80216news.com/pubs/2007/01/23/page1299-421802.asp>

Due to Obvious Performance Setbacks, HSDPA Sets Goal of Moving from 3.6 Mbps to 10 Mbps to Try to Compete With Wi-Fi or WiMAX, January 20, Broadband Wireless Exchange

HSDPA is now operational in countries as diverse as the USA, South Korea, France, Bahrain, the UK and Australia, currently supporting downloads at up to 3.6Mbit/s, with improvements to 10-14Mbit/s scheduled in the near future. The high transfer speeds offered by HSDPA are possible thanks to the addition of a special W-CDMA channel, known as the High-Speed Downlink Shared Channel (HS-DSCH), to the 3G specifications.

<http://www.bbwxchange.com/pubs/2007/01/20/page1409-418321.asp>

<http://80216news.com/pubs/2007/01/20/page1299-418321.asp>

Motorola's WiMAX Wait, January 26, Unstrung

Motorola Inc. isn't expected to see revenues from its early adventures in the mobile WiMAX field for at least 12 months and possibly much longer. Motorola snagged a slice of what are arguably the two highest profile WiMAX deals in the U.S. recently. The Schaumburg, Ill.-based company is one of the three major infrastructure suppliers for Sprint Nextel Corp.'s planned \$3 billion mobile WiMAX network, along with Nokia Corp. and Samsung Corp.

http://unstrung.com/document.asp?doc_id=115570&WT.svl=news2_1

The 20 Most Innovative Products of the Year: Top 5 innovations to look for in 2007, January 24, PC World Canada

Smaller, private WiMAX deployments have already begun. But, in 2007, you'll see a widespread rollout of the technology, which promises faster connection speeds for all sorts of mobile devices from cell phones to laptops, with far greater range than Wi-Fi. Sprint Nextel, in partnership with Intel, Motorola and Samsung, will likely give mainstream WiMAX the biggest boost as it deploys the technology starting late in 2007 as part of its 4G cellular service. According to the WiMAX Forum, you can deploy a WiMAX system and get throughput up to 40 megabits per second for upload and download per channel, for a range of 3 to 10 kilometres.

<http://www.pcworld.ca/news/column/5b31efe30a010408019ac9313fc8d0e8/pg0.htm>

WiMAX Forum Member Company News

WiMAX Gear Supplier Hit With Class Action Lawsuit, January 25, EETimes.com

WiMAX and wireless broadband gear specialist Alvarion Ltd. has had a class action complaint filed against it and some of its officers and directors in a U.S. court. Alvarion, says it would rigorously defend itself against the suit, which alleges that "in certain public statements regarding its business with a customer that accounted for significant revenue during 2004, Alvarion failed to state sales to the customer would not continue to provide substantial revenue."

<http://www.eetimes.com/news/latest/showArticle.jhtml?articleID=197000565>

Linux-Based WiMAX Baseband Reference Kit Rolls, January 25, EETAsia.com

Fujitsu Microelectronics America Inc., Fujitsu Microelectronics Europe and Hopling Technologies have announced their jointly-produced Linux-based WiMAX baseband SoC reference kits. The Hopling Board Support Package is designed to make it easier for equipment manufacturers to add innovative applications to the standards-based Fujitsu solution. The reference kit, which includes a reference board using the highly

integrated MB87M3550 WiMAX SoC, software package and operating manual, will be available from Fujitsu Q1 2007.

http://www.eetasia.com/ART_8800450636_499488_0f59de68200701.HTM

<http://www.mobiletechnews.com/info/2007/01/21/150305.html>

<http://80216news.com/pubs/2007/01/17/page1299-416783.asp>

Azimuth Systems Unveils Next-Generation WiMAX Channel Emulator, January 25, TMCnet

The ACE 400WB will be the industry's first "Next-Generation" WiMAX channel emulator - a purpose-built, single box solution offering sophisticated channel modeling capabilities in a complete test automation platform. The Azimuth solution facilitates real-time performance testing of MIMO devices, reorganizing the testing of WiMAX chipsets, clients and infrastructure. The ACE 400WB precisely emulates multipath characteristics with channel correlation to determine the effect of multi-channel RF interactions.

<http://www.tmcnet.com/wifirevolution/articles/4731-azimuth-systems-unveils-next-generation-wimax-channel-emulator.htm>

<http://www.bbwxchange.com/pubs/2007/01/25/page1423-424200.asp>

<http://www.technologynewsdaily.com/node/5785>

Arab Telecom Goes for WiMAX, January 24, TeleGeography

Kuwaiti telco Arab Telecom has awarded a WiMAX infrastructure contract to California-based vendor Aperto Networks. Arab Telecom plans to deploy a nationwide 3.5GHz wireless broadband network using Aperto's PacketWave equipment, which will be used to offer high speed internet services to the country's 2.2 million people. More information on WiMAX deployments can be found in TeleGeography's WiMAX Market Tracking Service.

http://www.telegeography.com/cu/article.php?article_id=16357&email=html

<http://www.digitalmediaasia.com/default.asp?ArticleID=21385>

Africa Leapfrogs DSL, Cable and GSM Solution by Jumping Straight to Mobile WiMAX 4G Technologies, January 23, Broadband Wireless Exchange

Navini Networks and its customers are addressing the need for connectivity across Africa. Navini's equipment delivers portable high-speed Internet access with plug-and-play activation and retail friendly distribution that brings personal broadband to consumers and small businesses. There is strong momentum in Africa. Ongoing deployments include Tanzania, Ghana, Nigeria, Zambia, South Africa and Mauritius.

<http://www.bbwxchange.com/pubs/2007/01/23/page1409-421805.asp>

DigitalBridge Communications and Ball State University Announce Successful Test of Alvarion WiMAX Equipment, January 23, Telephony World

DigitalBridge Communications (DBC) and Ball State University recently announced one of the first U.S. tests of licensed WiMAX self-install equipment in Muncie, Indiana. The test deployment, utilizing equipment manufactured by Alvarion Inc, was conducted on and around the Ball State campus and successfully demonstrated the throughput, in-building penetration, geographic coverage, and application transport capabilities of the new WiMAX technical standard.

<http://www.telephonyworld.com/cgi-bin/news/viewnews.cgi?category=all&id=1169600248>

<http://www.bbwxchange.com/pubs/2007/01/24/page1423-423612.asp>

Max Telecom Deploys WiMAX Network in Bulgaria with Navini, January 19, TMCnet

The services will be launched in the capital, Sofia, and then expanded nationwide in Bulgaria during 2007. Max Telecom will use WiMAX to provide both business and residential services, offering enabling services such as VOIP, DSL equivalent, and VPNs (both voice and data) and video connectivity for applications such as surveillance.

<http://www.tmcnet.com/wifirevolution/articles/4632-max-telecom-deploys-wimax-network-bulgaria-with-navini.htm>

Sprint WiMAX: 2-4Mbps, \$55/month, Open Access? Yes, Please., January 19, Gizmodo.com
Here's yet another reason to hold off on buying that iPhone this year: Sprint's 4G WiMax wireless broadband is coming along nicely, and by next year should be available to 100 million customers. Rather than lock yourself into two years with 2G web access, why not wait for WiMAX?
<http://gizmodo.com/gadgets/wireless/sprint-wimax-24mpbs-55month-open-access-yes-please-229995.php>

[General WiMAX News](#)

IDC: WiMAX to Take Off This Year, January 17, ZDNet Asia
During a presentation Tuesday, Sandra Ng, IDC's Asia-Pacific vice president of communications, peripherals and services, noted that more operators will find WiMax an attractive technology for offering cost-effective last mile connections, as well as services that do not require 'line-of-sight' between devices and base stations. In addition, Ng said that operators will be motivated to provide WiMax services in a bid to diversify their business and better compete against mobile operators and other competitors.
<http://www.zdnetasia.com/news/communications/0,39044192,61982546,00.htm>

S'pore Telecom Services Stay Firm, January 22, Business Times Singapore
New services that take advantage of higher-speed broadband and wireless will help the already saturated Singapore telecommunications services market grow by 3 per cent to US\$3.5 billion in 2007, says IT research house IDC. At the same time, introduction of these new services will ensure healthy growth for the network equipment market in the Republic. IDC says equipment sales will go up by 7 per cent to US\$299.2 million by the end of this year, up from US\$279.2 million last year.
<http://business-times.asiaone.com/sub/bizit/story/0,4574,221930,00.html>

BSNL Plans WiMAX Coverage of 80,000 Villages, January 25, TeleGeography
Bharat Sanchar Nigam Limited (BSNL) is reported to be planning to connect 80,000 villages with high speed wireless broadband services via an extensive WiMAX network. According to Rajesh Kumar, head of strategic planning at BSNL, the project would be undertaken in phases with around 1,000 base stations expected to be installed in the first phase giving coverage of around 10,000 villages.
http://www.telegeography.com/cu/article.php?article_id=16371&email=html
http://www.cxotoday.com/India/News/BSNL_to_Reach_WiMax_to_80000_Villages/551-78721-912.html

Dialog Launches WiMAX Pilot, January 25, DMAAsia.com
Dialog Broadband Networks (DBN), a fully owned subsidiary of Dialog Telekom, and a player in Sri Lanka's ICT infrastructure sector, has launched WiMAX Broadband Wireless Access (BWA) services to selected pilot customers in Hambantota, Matara, Galle, Kurunagala, Anuradhapura and Polonnaruwa. The company aims to roll out coverage to other districts of Sri Lanka over the next few months.
<http://www.digitalmediaasia.com/default.asp?articleID=21481>
http://www.telegeography.com/cu/article.php?article_id=16351&email=html

WiMAX Security Gaps Present New Revenue Opportunities, January 24, eChannelline
As WiMAX installations start to crop-up, so do security risks and security vendors can create revenue potential by developing solutions to close those gaps, according new research conducted by ABI Research, an IT research firm. "WiMAX is a lot stronger than Wi-Fi was when it first came out because people learn from Wi-Fi's mistakes," said Stan Schatt, vice-president of broadband and wireless networks with ABI Research. "
<http://www.echannelline.com/usa/story.cfm?item=21609>

Lack of Spectrum Blamed for WiMAX Delay in India, January 24, ComputerWorld
Adoption of WiMax in India has slowed because the government has not released sufficient wireless spectrum, an Intel Corp. executive said Wednesday in Bangalore. Worldwide WiMax deployments have

tended to standardize around the 3-to-3.6-GHz, 2.3-to-2.4-GHz and 2.5-to-2.7-GHz frequency bands, said Lil Mohan, Intel India's managing director for broadband wireless in emerging markets.

http://www.computerworld.com/action/article.do?command=viewArticleBasic&taxonomyName=wifi&articleId=9009018&taxonomyId=79&intsrc=kc_top

WiMAX Has the Hype, But Not the Demand, January 22, Globes

Two weeks ago the CES 2007 Conference, the world's largest consumer electronics trade show took place in Las Vegas. At the center of the event were two items which in recent years have become an integral part of electronics consumers' daily life - memory and wireless communications. Over recent years, solutions in these fields have become an integral part of products that affect our daily lives.

<http://www.globes.co.il/serveen/globes/DocView.asp?did=1000175372&fid=980>