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March 30, 2010

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Marlene H. Dortch, Secretary
Federal Communications Commission
Washington, DC 20554

Re: *Ex Parte* Presentation
ET Docket 03-201
ET Dockets 04-186, 02-380

Dear Ms. Dortch:

Pursuant to Section 1.1206 (b) of the Commission's Rules, this is to notify the Commission that on March 29, 2010, Joseph Bobier, President and Chief Technology Officer of xG Technology, Inc. (xG®), Chris Whiteley, its Director of Business Development, John Coleman, its Chief Operating Officer, and I met with Julius Knapp, Chief of the Office of Engineering and Technology, and members of his staff, to provide an update on xG and its breakthrough technology, xMax®. We discussed the development and current status of xG's mobile VOIP products and their potential for providing low-cost mobile VOIP and other wireless broadband services, especially in rural America.

We also discussed the Commission's rulemaking proceedings in ET Docket 03-201 and how the adoption of a "spectrum etiquette" would adversely affect the rollout of the xMax technology.

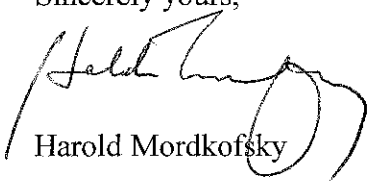
These discussions are summarized in the attachment hereto.

We also briefly discussed the Commission's TV "white spaces" proceedings and how the xMax technology could be adapted to operate within the proposed technical framework.

One copy of this notice, including the attachment, is being filed electronically in the ECFS for each of the referenced dockets.

Please refer any inquiries to undersigned counsel.

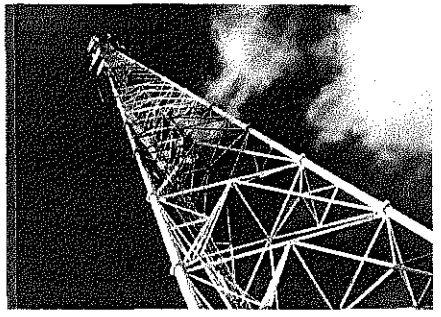
Sincerely yours,

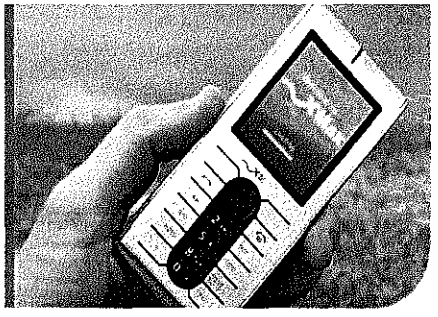


Harold Mordkofsky

cc: Julius Knapp, Chief
Office of Engineering and Technology

A New Era: Mobile VoIP and Mobile Broadband



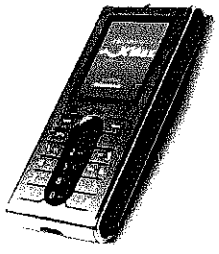
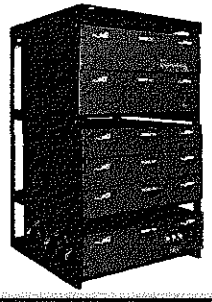
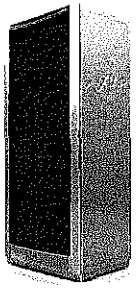


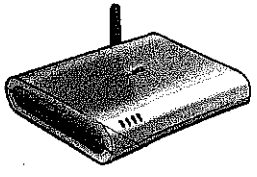
March 2010

An Entirely New Approach to Cellular

- xMax is a cognitive radio ***network*** solution that taps vast amounts of under utilized spectrum.
  - Unlicensed 902-928 MHz
  - Roadmap to whitespace

- All-Internet Protocol mobile network design
  - Supports mass-scale VoIP and data services
  - Increases competition by allowing profitable new market entry
  - Saves consumers money by extending low-cost VoIP calling services
  - Low cost network more profitable in lower population densities

Smart Radio Technology

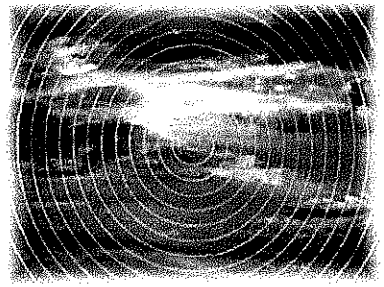
- xMax uses a spectrum-agile radio that can operate on spectrum determined to be unused and available at any moment in time

- xMax increases the efficiency of spectrum utilization by enabling radios to access and share available spectrum dynamically

- Extensive patent portfolio; over 50 US and over 100 international patents and pending patent applications

"xMax is more than able to tolerate the levels of interference seen in the 902-928 MHz ISM band and is significantly better at handling in-band interference than existing wireless systems." Tandhoni Rao, PhD, Managing Partner Salbec, Due Diligence Report on xMax

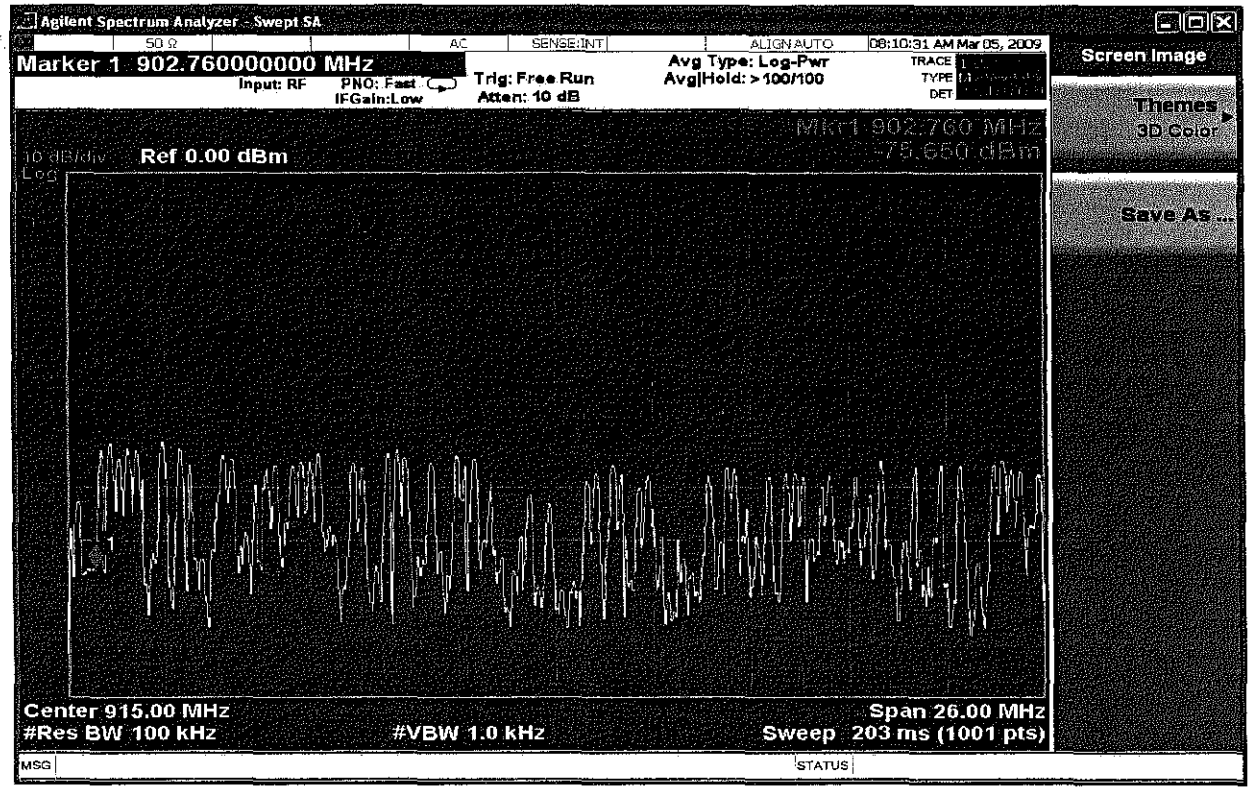
Reclaiming ISM 900 MHz Spectrum



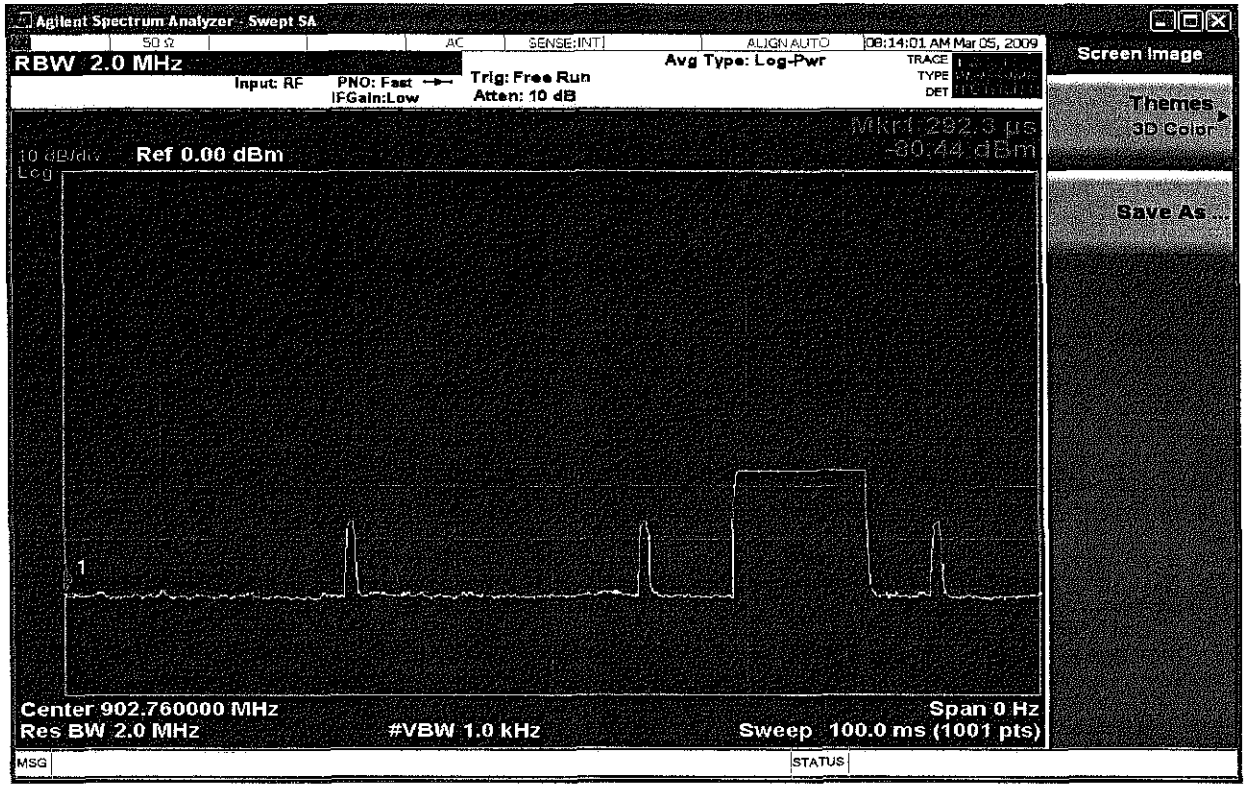
- Interference in the time domain represents only a fraction of the 902-928 MHz channel capacity
- Rapid Detect and Avoid (DAA) algorithm capable of out-maneuvering the interference
  - Advanced radio agility (33 hand-offs/sec), system works cooperatively, analyzing channels and adapting on the fly to avoid other transmissions
  - Inverted mobile architecture – handoff decision pushed to handset

"When you realize that this company may have found a way to take a frequency riddled with wireless garbage and turn it into a fully functioning wireless voice and data network you start to see how much of a game changer this could be for the wireless industry."
–Rich Tehrani, CEO TMCnet on xG Technology

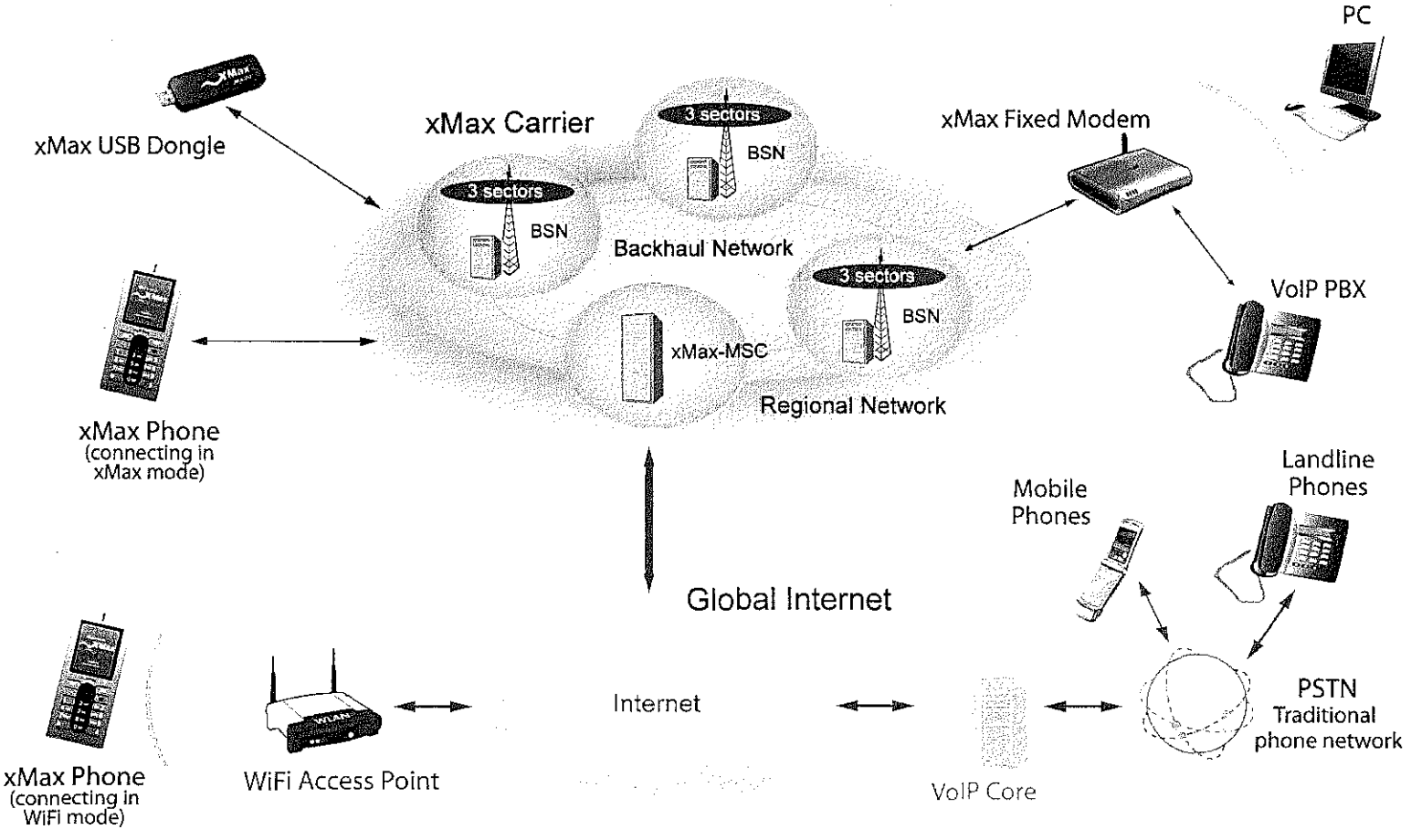
Frequency Domain



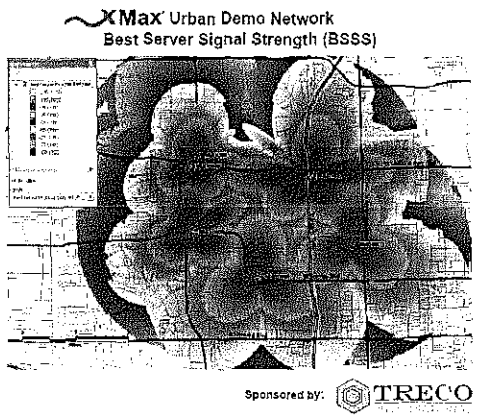
Time Domain

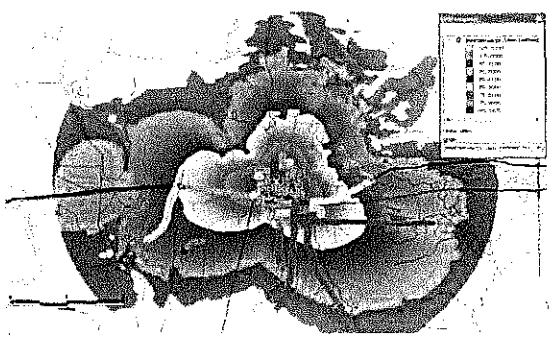


Mobile VoIP and Broadband Data Solution



Urban & Rural Showcase Networks





Fully mobile VoIP network in Ft. Lauderdale, Florida

- Densely populated
- Interference-rich environment

Functioning network deployed in rural Arkansas

- Underserved market
- Low interference, excellent range

902-928 MHz base stations transmitting at only 1 Watt

- 2 mi average urban range, 3-5mi rural
- Tower heights from 35'-150' urban, 100'-350' rural
- Performance exceeding GSM
- 30 sq mi urban w/6 tower, 100 sq. mi. rural w/2 towers
- 111,000 pops covered urban, 1,150 pops covered rural

✓ Documentation
✓ Simulation
✓ Technical Due Diligence
✓ Field Deployment

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