

Press Release

For Immediate Release

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Vubiq Networks Continues Millimeter Wave Innovation with New Multimode RFID Patent Application

IRVINE, CA, November 6, 2018 – Vubiq Networks, Inc., the innovation leader in millimeter wave wireless broadband technology, products and solutions, today announced that it has filed a new radio frequency identification (RFID) patent application with the U.S. Patent and Trademark Office. The application is entitled **Multimode Millimeter Wave RFID Systems and Methods Thereof** and has been assigned the application number 62746829.

Vubiq Networks has a history of innovation in millimeter wave RFID technology using synthetic aperture radar (SAR). The company currently holds two existing RFID technology patents:

- US Patent Number 7460014, issued December 2, 2008 – RFID System Utilizing Parametric Reflective Technology
- US Patent Number 7498940, issued March 3, 2009 – RFID System Utilizing Parametric Reradiated Technology

“Once added to our extensive portfolio of 15 technology patents, this new multimode millimeter wave patent will protect our existing RFID technology in conjunction with a new reader design that performs wide-beam SAR, narrow beam reads from chipped tags, and narrow-beam reads and communications with chipped tag and Internet of Things devices,” said Mike Pettus, founder and CTO of Vubiq Networks.

The new patent application expands the company’s protection for its unique data-encoding scheme that exploits the natural physics of antennas at a tremendously small scale. The new application covers breakthrough technology with dual mode capabilities for identification and communication with various types of RFID tags and smart sensors using SAR while in a wide-beam pattern mode, and then shift to a narrow-beam steered mode for powering and communicating with the tags and Internet of Things (IoT) sensors.

“Our advanced radar imaging technology can locate various types of chipless and chipped RFID tags, as well as IoT devices, with a very high degree of accuracy,” continued Mr. Pettus. “Once the tags or devices have been located, our technology can power and communicate with the RFID tags in the far field.”

“We’re very excited to announce this patent application,” said Vubiq CEO John Dilworth. “This new approach to RFID significantly reduces cost, while providing performance advantages and features not available in existing systems. We feel that the size of the aggregate market is several times larger than chipless RFID or chipped RFID individually, let alone the exploding IOT market.”

About Vubiq Networks

Vubiq Networks, Inc. is a privately held millimeter wave innovation company headquartered in Irvine, California. The company designs, manufactures and markets proprietary, high-bandwidth, millimeter wave wireless products, including the HaulPass V10g 10 Gbps V-Band wireless transmission link. Vubiq Networks continues to innovate in the millimeter wave market with solutions in wireless broadband communications, video transport, wireless data center solutions, RFID tag decoding, and synthetic aperture radar applications.

For further information, please visit www.vubiqnetworks.com or contact info@vubiqnetworks.com.