

Orlando, USA, July, 11, 2013

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Keywords : HIGH TECHNOLOGY / NEW PRODUCT / WIGIG

MVG Launches the μ -Lab, a Millimeter Wave Test System for WiGig Technology

IEEE AP- Symposium - Orlando, USA

- **MICROWAVE VISION GROUP** announces the launch of μ -Lab, a patent pending, compact and portable millimeter wave test system designed for wireless devices utilizing WiGig technology. Small on-chip antennas, cell phones, laptop computers and other devices designed to communicate in the 60 GHz frequency band will benefit from the flexibility, speed and accuracy provided by μ -Lab.



μ -Lab – 5 X 5 X 5 ft (152 X 152 x 152 cm)

applications, a **cost-effective and flexible system** is required to evaluate devices rapidly. μ -Lab provides a versatile testing solution for this purpose.

Wireless connectivity speeds reaching the multi-gigabit range are gaining wide interest as they offer advanced high speed data transmissions. The Wireless Gigabit Alliance (WiGig Alliance), formed to develop and sponsor wireless technology utilizing the 60 GHz frequency band, is currently establishing specifications for the protocols needed to establish an industry uniform standard for data transmissions at rates of up to 7 Gigabits per second (Gbps). This is 10 times faster than current communications standards and Machine to Machine (M2M) communications will clearly benefit from this technological breakthrough.

The new WiGig protocol is thus dedicated to a wide variety of M2M applications, including Point to Point IP, HDMI Data Streaming, Cordless Computing, and Internet support using IEEE 802.11ad standards. Given this range of

The **performance of these devices** such as on-chip antennas, cell phones, small connectorized antennas, and laptops can be **evaluated in minutes** inside the compact μ -Lab test chamber. The baseline μ -Lab offering covers the 50-110 GHz bands (V band and W band), but other bands can be added if required.

μ -Lab comprises a small anechoic chamber measuring approximately 5 feet x 5 feet x 5 feet (152 cm x 152 cm x 152 cm), a rack area underneath the chamber for the workstation computer and positioner controller, and an adjacent rack for the VNA.

" μ -Lab has the unique capability to evaluate the new class of WiGig devices. The increasing number of M2M applications and the fact that we have already sold a number of μ -Lab units forecasts a promising future for this product range," says Philippe Garreau, CEO of MVG.

To learn more please visit the product page at <http://www.orbitfr.com/content/products/micro-lab> and read our white paper at <http://tinyurl.com/mvg-micro-lab>

About MICROWAVE VISION

MICROWAVE VISION GROUP – MVG - (NYSE-Euronext: ALMIC) is one of the world's leading manufacturers of test systems and antenna measurement in the telecommunications, automotive, defense and aerospace industries. With its recent incorporation of REMC, a specialist provider of shielded and anechoic chambers for the antenna measurement, EMC and electromagnetic shielding markets, MVG now provides the largest and most innovative offer on these markets. MVG combines high-precision electronic scanners, developed by SATIMO with its "microwave vision" technology, with ORBIT/FR products that are equipped with high-performance, electromagnetic positioning and scanning technology, as well as with AEMI's high-end absorbing materials technologies and REMC's specialized chambers. MVG operates in nine countries (China, France, Germany, Japan, Israel, Italy, Sweden, UK, USA) and has more than 300 employees. The Group fosters a loyal client base including several large international accounts. The financial year ended 31 December 2012 with a turnover of €46.36 million. MVG is an OSEO-certified "Innovative Company". Alternext, ISIN code FR 0004058949

For more information, go to: <http://www.microwavevision.com>