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MVG Launches the SARLite, a Smart, Compact and Fast SAR Measurement Device

▪ **Microwave Vision Group, leader in antenna measurement solutions, introduces SARLite, a new piece of measurement equipment that evaluates the Specific Absorption Rate (SAR) of wireless devices in a few seconds.**

SAR is the quantity characterizing the absorption of electromagnetic wave energy from any type of radiating device such as a mobile phone, laptop, or a tablet PC into the human head or body.

SAR measurements are traditionally performed by using an electric field probe encased in a phantom (artificial head) filled with a liquid. The dielectric properties of the liquid are representative of head or body tissues. The probe is moved inside the phantom by a robot, making it possible to obtain discrete E-field values.

SARLite simplifies and accelerates the traditional SAR measurement method. With 265 probes and 651 sensors in a 3D matrix design, an area greater than 20 x 20 cm can be measured in only a few seconds. SARLite is capable of measuring a frequency bandwidth from 800 MHz to 3 GHz, without manipulation of the liquid, in this case, a wideband tissue simulant gel sealed inside the device. The sealed device also means no evaporation and no need to refill or replace the gel.

SARLite measures the E-field values emitted from mobile devices in order to tune electromagnetic radiation and is applicable at various stages in the R&D process.

SARLite can be used alone or as a complement to traditional SAR measurement systems to pre-test equipment in development, better preparing it for certification.

"Today, the number of protocols (4G, WiFi, WiMAX, Bluetooth, etc.) covering a wide range of frequency bands is increasing at an exponential rate. With this comes a significant increase in the time needed to measure SAR and obtain certification. The SARLite is a fast and compact solution. MVG drives to bring solutions that anticipate technological evolution and user needs. In this case, the development of SARLite presents the direction MVG is taking in this domain," says Philippe Garreau, CEO of Microwave Vision.

Find out more : www.satimo.com/content/products/sarlite



**About MICROWAVE VISION**

MICROWAVE VISION Group – MVG – (NYSE-Euronext: ALMIC) is a leading global manufacturer of antenna test and measurement systems for the Telecommunications, Automotive, Defense and Aerospace industries, as well as for academic research. With the recent acquisition of REMC, specialists in shielded chambers for anechoic, EMC and screened room solutions, MVG offers the widest range and most innovative technology of its kind in the respective markets. The company brings together the high-precision electronic scanners developed by SATIMO using its “microwave vision” technology, ORBIT/FR products developed through a state-of-the-art technology of high-performance positioners and electromechanical scanners, AEMI high performing absorbing materials, and now REMC provider of specialized shielded chambers. MVG is located in 9 countries – France, Italy, Germany, UK, Sweden, USA, Israel, China, and Japan, and has more than 300 employees. The group boasts a wide client base including several large international companies. MVG achieved a turnover of € 46.2 million for the year end 31 December 2012. MVG has been awarded the OSEO certification “Innovative Company”. Alternext, code ISIN FR 0004058949 | For more information, visit: <http://www.microwavevision.com>