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PRESS ALERT

5G: MVG highlights its innovative near-field Active Antenna Systems measurement technology at CTIA 2016

The industry is buzzing about the arrival of 5G. 50 times faster than 4G, this next generation network holds enormous promises. It is no surprise that, similar to the Olympic Games, a technological worldwide race is on, to be the first and set the standard. The challenges are manifold, including antenna design and measurement. Staying ahead of the game, MVG has developed a **technology to measure AAS Base stations in Near-Field**. CTIA 2016 is the perfect place to discuss further about it at **booth 4866**.

Active Antenna Systems (AAS) are receiving increasing attention as a component for the upcoming 5G cellular networks.

Benefits of using AAS base stations include:

- Smaller site footprint
- improved system availability
- distributed transceivers/ beamforming – advanced antenna tilt features

However, due to the flexible radiation pattern, capable of adapting to changing situations in mobile networks, the full characterization of the AAS

in 3D space requires a new approach to active antenna measurement. The entire antenna must be measured in **OTA (over the air)** active mode. There are several methods for OTA testing of AAS BS in both Far-field and Near-Field configurations. Up to now, however, near-field ranges were unable to retrieve the phase during AAS BS OTA testing, thus limiting the performance assessment they could achieve.

MVG, leader in multi-probe microwave technology, has designed innovative technology to achieve precise characterization of AAS antennas in an OTA near-field measurement.

To learn more about it, come and visit MVG at booth **4866** at the CTIA Super Mobility 2016 in September 7-9 2016 in the Sands Expo & Convention Center in Las Vegas, Nevada. For more information on the event : <http://www.ctiasupermobility2016.com>

If you would like to receive a **byline article about 5G testing from an antenna design and measurement point of view**, please contact [us](#).

If you would like an **interview with a MVG representative** before, during or after the tradeshow, do not hesitate to contact [us](#) as well.

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To request an interview or if you require any high resolution images, product datasheet or need anything else press related, please contact us at mvgfrance@teamlewis.com

About MICROWAVE VISION

Since its creation in 1986, The Microwave Vision Group (MVG) has developed a unique expertise in the visualization of electromagnetic waves. These waves are at the heart of our daily lives: Smartphones, computers, tablets, cars, yachts, trains and planes -- all these devices and vehicles would not work without them. Year after year, the Group develops and markets systems that allow for the visualization of these waves, while evaluating the characteristics of antennas, and helping speed up the development of products using microwave frequencies. The Group's mission is to extend this unique technology to all sectors where it will bring strong added value. Since 2012, MVG is structured around 3 departments: AMS (Antenna Measurement Systems), EMC (Electro-Magnetic Compatibility), and EIC (Environmental & Industrial Control), More recently it has introduced NeptuLink^{by MVG} which provides 4G communications while at sea. MVG is present in 10 countries, and generates 90% of sales from exports. The Group has over 350 employees and a loyal customer base of international companies. The Group generated revenues of € 56.7 million in 2014. MVG received a BPI "Innovative Enterprise" award.

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