



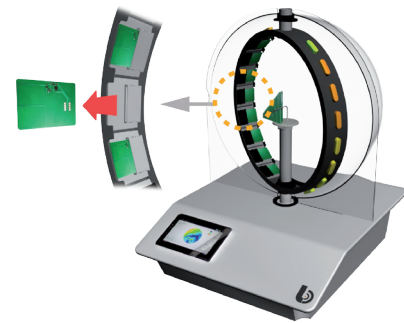
## PRESENTATION

The Gyroscanfield is a 3D, real-time measuring equipment whose function is to directly visualize the electromagnetic radiation of a Device Under Test (DUT) in a simple and fast way. 16 sensors with detachable antennas are spread over a 60 cm diameter ring. A set of different antennas is available corresponding to your requested frequency and sensitivity ranges. Each elementary sensor around the loop converts the electromagnetic received energy in a corresponding calibrated range of visible colors by using RGB LEDs. Each sensor has an A/D converter for backup and data mining. The operation of the measuring equipment and the acquisition of data is done using an Android tablet PC. DC powering of the DUT can be performed either from the top and / or the bottom of the instrumented loop.



## APPLICATIONS

- Radiation patterns of antennas
- Comparison between different radiating systems
- Quality control
- Product Development
- Radiation measuring cables and connectors
- Shielding effectiveness

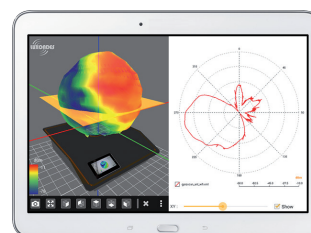


## ADVANTAGES

- Direct visualization of the electromagnetic field, either continuous wave or, modulated at frequencies up to several tens of  $\mu$ s, compatible with the time slot durations of current cellular radio standards (analog conversion).
- Sensors compatible with detachable antennas and the range of products LUXONDES.
- Fast acquisition speed
- Automatic recognition of maps and antennas taking into account the antenna factor

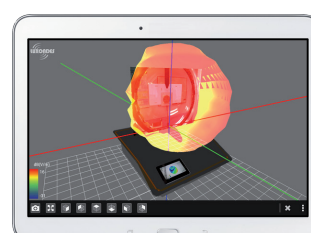
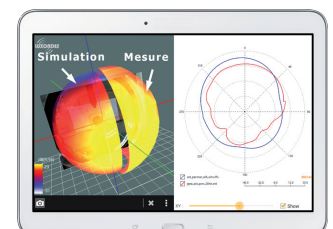
## FEATURES

- Size : (H) 100 x (L) 75 x (P) 85 cm
- Support roller : (H) 85 cm
- Rotation speed : 15 Turns /sec max.
- Acquisition : 720 Points / Turn / Sensor
- Weight : 40 Kg
- Power supply : 230 VAC 50 Hz



Radar curve of the object under test

Comparison measurement and simulation a WiFi antenna



3D diagram an antenna Wireless