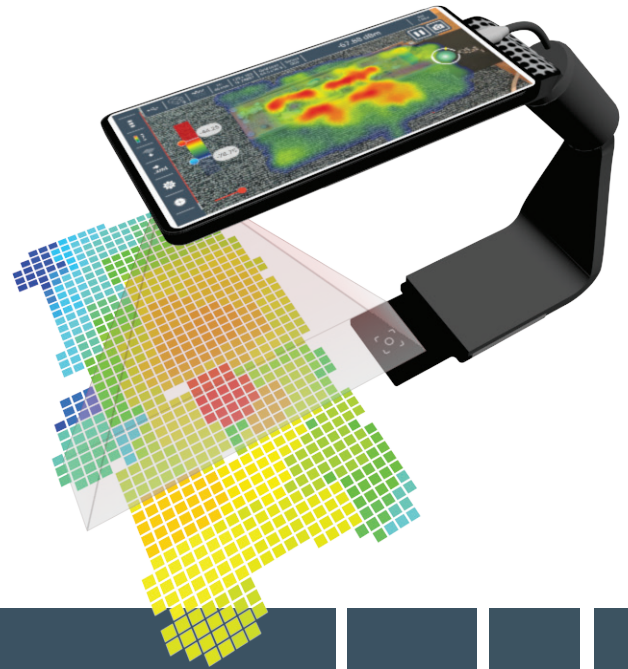


EM-SCANPHONE V2

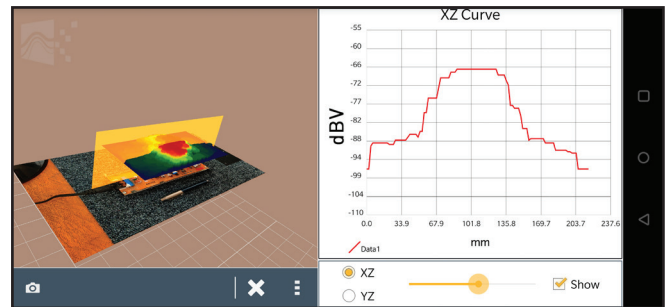
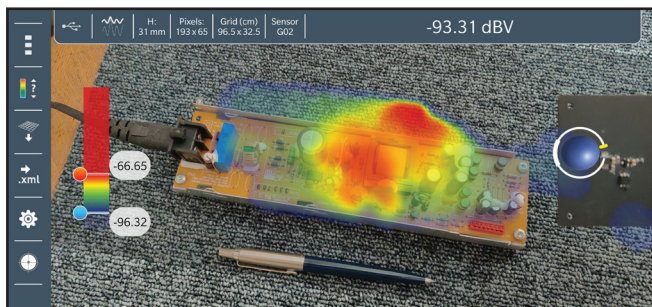
Brief descripton

Mapping or scanning the electromagnetic emissions of electronic cards or any environment requires the use of relatively complex mechanical or electronic devices. Being autonomous, compact and fast, the scanphone aims to overcome these constraints. It makes it possible to map the electromagnetic environment directly on site or in locations difficult to access, such as inside a vehicle for example. This scanner, using augmented reality technology for part of its software, is composed of a smartphone coupled to removable EM field sensors to allow multiple measuring configurations.

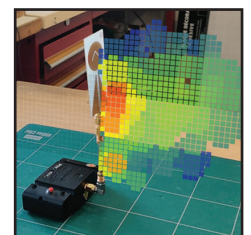
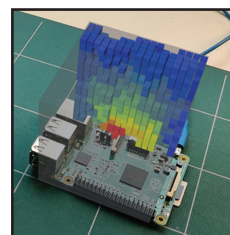
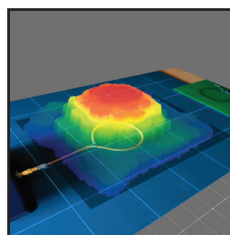
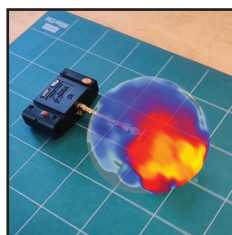
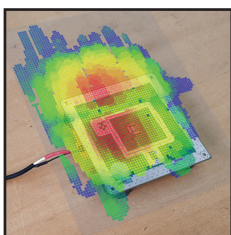
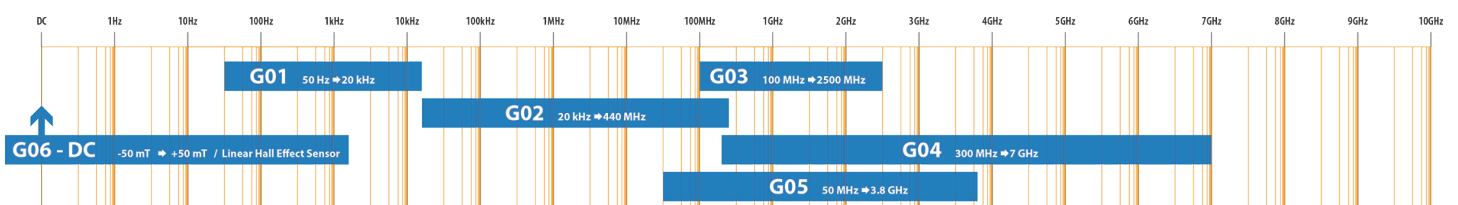


Applications / Organization

- Direct mapping the radiation
- Antenna optimization
- Source localization ...
- Industry / Spatial / Telecommunications
- Aeronautical / Automotive / Railway
- Education / Research ...

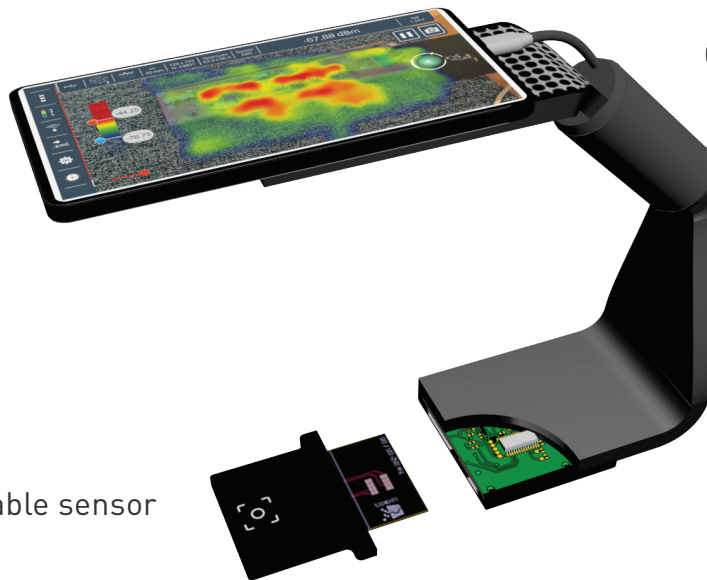


Sensors



Overview

Last generation smartphone



Communication and power through and USB-C Port

Removable sensor

Electronic interface
Signal processing

Technical Specifications

Smartphone	OnePlus7T Pro
Memory capacity	256 Go
Autonomy	> 20 h
Pixel size	2.5 mm - 4 mm - 10 mm - 25 mm
Grid size	Depending on the size of the pixels. (centimeter to meter)
Grid type	Classic - Landforms - Standard 3D - Cloud 3D - Hemisphere
Autoscale	Analog module MDMV. dynamic threshold setting
Grid thickness	3 different grid thickness
Acquisition	60 Acq / Sec
Data Export	Screenshot with parameter - XML Format (Ascii)
Data analysis	Android Viewer - Pc Viewer (JAVA) - Scientific software (Matlab, Origin...)
Sensors	Removable sensors - See the list
DC Input	With external probe and spectrum analyzer output

Articulated arm (Option)

