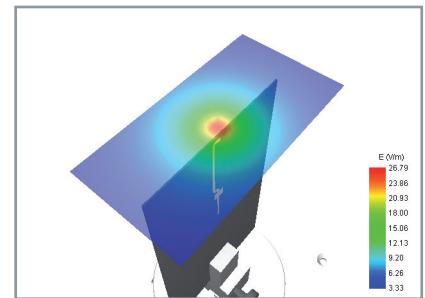
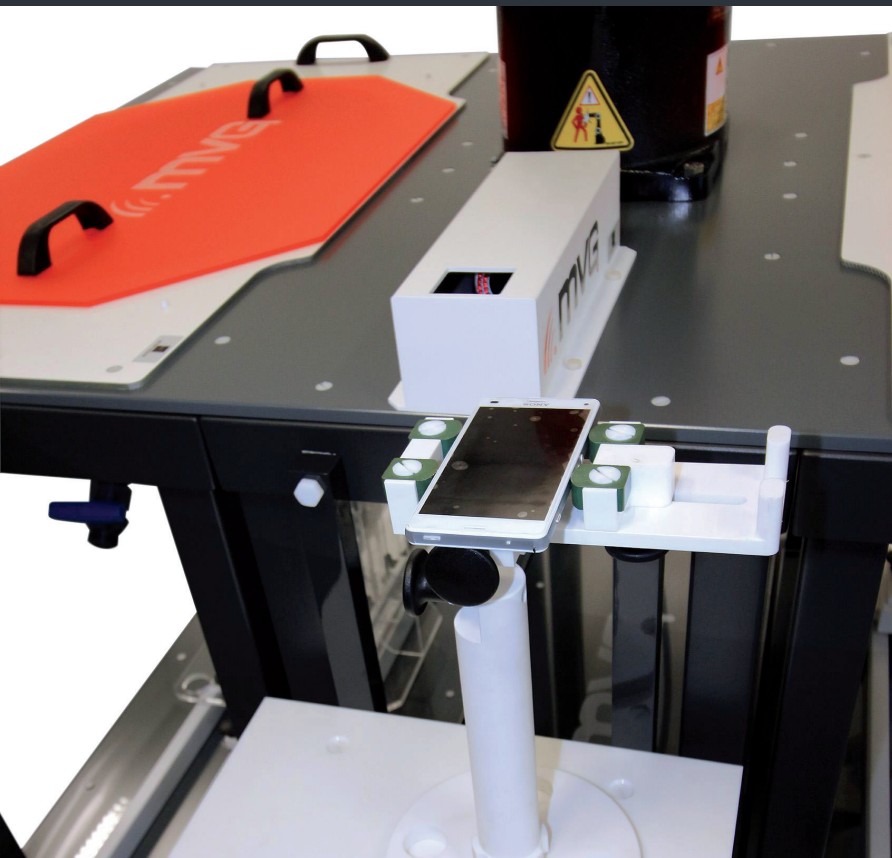


COMOHAC and OPENHAC



Main features

Product category

- HAC measurement bench

Function

- Measures the Hearing Aid Compatibility of devices with handset

User profile

- Certification bodies, regulatory bodies, R&D and test laboratories, terminal manufacturers, antenna manufacturers

Related standard

- ANSI C63-19 – And all related KDB

Related software

- OPENHAC SW

Included equipment

- E field and T-coil probes, Data Acquisition Module (DAQ), validation dipoles, TMFS and positioning system

Optional additional equipment

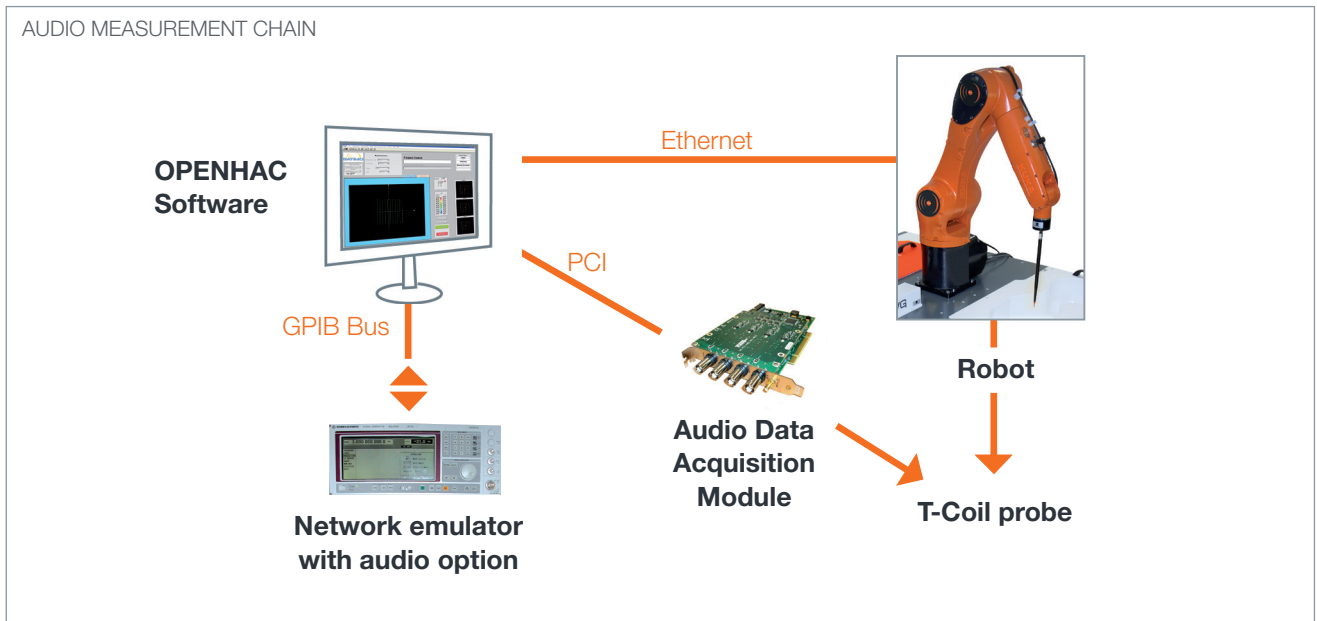
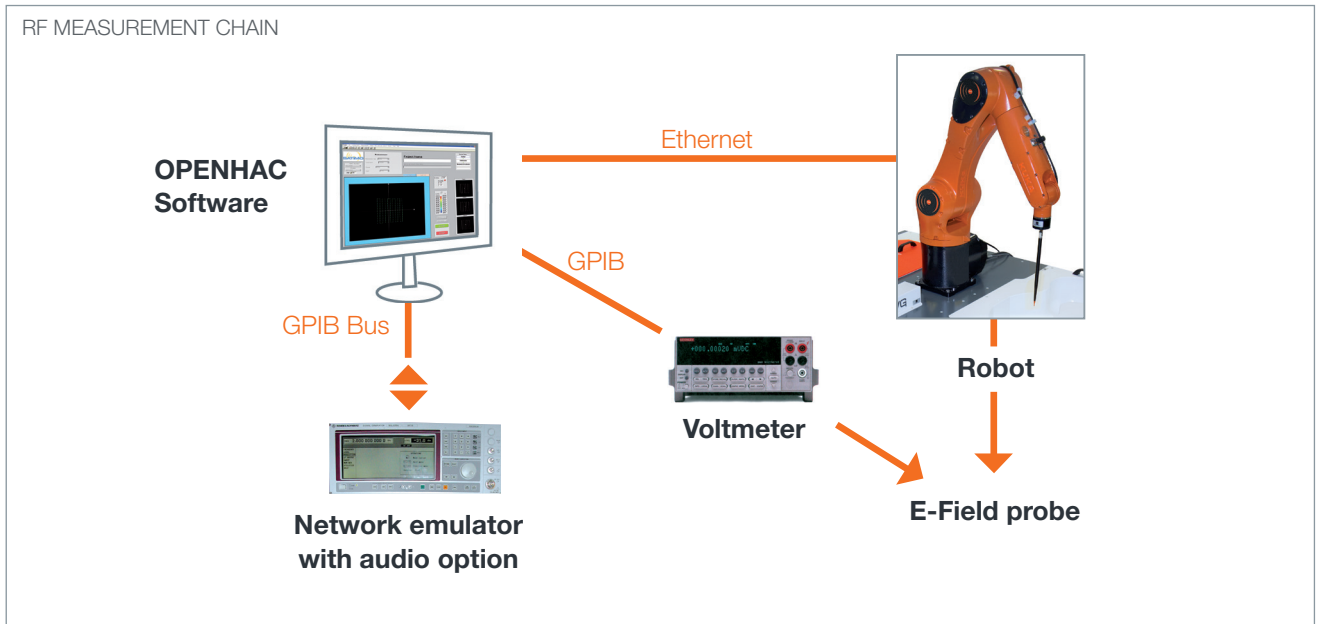
- Helmholtz coil

Additional required equipment

- Network emulator (BS simulator) with audio codec options, power meter, power amplifier, and signal generator

The COMOHAC bench allows measurements to be performed in compliance with the ANSI C63.19 standard and related KDB. It can be used with the robot and device positioning system of the COMOSAR bench. The COMOHAC bench enables the M (RF test) and T (audio test) rating of the DUT to be defined.

System overview



Compliance

RF Emissions (ANSI C63.19 clause 4)

- RF electric field emissions.
- RF magnetic field emissions.

T-coil Mode (ANSI C63.19 clause 6)

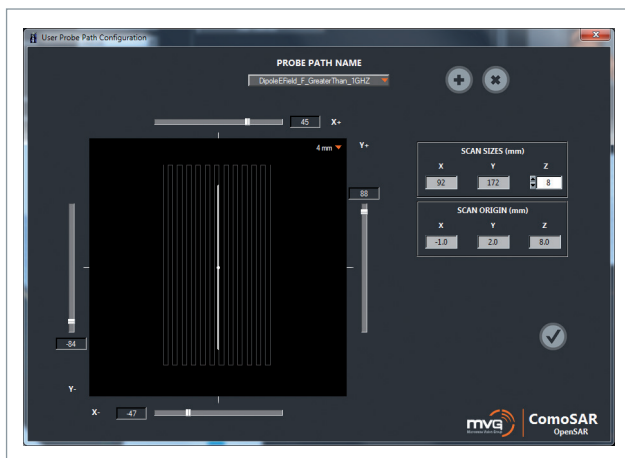
- T-coil mode, magnetic signal strength in the audio band.
- T-coil mode, magnetic signal frequency response through the audio band.
- T-coil mode, magnetic signal and noise articulation index.

HAC positioning system

- Allows the correct positioning of the handset in relation to the tip of the probe.

Fully Automated Software

- All the instrumentation and data acquisition is managed via Bus GPIB, Ethernet or RS 232 (...) from the system PC.
- Configuration files (phantom, probe, measurement parameters....) are user-definable.
- Easy to learn and user-friendly: user manual, 3D visualization.
- Automatic report generation:
 - max. E & H values (cells automatically excluded in accordance with C63.19).
 - magnetic field strength axial and radial calculation, signal quality calculation and frequency response curve data.
- Possibility to add automatic custom report generation.



COMOHAC and OPENHAC

Technical characteristics of validation dipole

Please refer to dipole validation sheet

Technical characteristics of E-field and T-coil probes

Please refer to probe sheet

Technical characteristics of audio data acquisition

Specification	Resolution: 24-bit Dynamic range: 118 dB Sampling rate: 204.8 Ks/s
Bandwidth	1/1 and 1/3 octave
Weighting	Linear and A-weighting
Interface	PCI card

Hardware requirements in medium tower (no mini)

21" screen min	PC INTEL CORE I3
Cable link	1 LAN Ethernet
Operating system	Win7 / Win10
RAM	2 GB min (8 recommended)
Software	MS OFFICE (Word/Excel) ; any PDF reader
Ports	LAN + 2 slot PCI + min 6 USB ports

