

Mode-Stirred Chambers Around The World

Background and problem: A mode-stirred chamber or reverberation chamber is an alternative test environment that is mainly used for radiated tests in the scope of electromagnetic compatibility. Such chambers are also used for testing communication devices, to simulate wireless channels, to investigate the influence of electromagnetic fields onto living cells and so on. A mode-stirred chamber consists of a shielded resonant enclosure, a device to change the electromagnetic boundary conditions (usually rotating stirrer) and some antennas and probes to excite and measure the field.

Task: Give an overview over existing mode-stirred chambers. Describe each chamber in detail, including the name of the chamber, the institution that operates the chamber, the intended use, the volume and dimensions, the wall material, details of the stirrer, the lowest usable frequency and some respective specialities, if applicable. If available, please also include some photographs, a contact person and corresponding publications about research projects that have been done with this chamber. The main objective of this work is literature analysis.

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◀ Vorherige Meldung

Nächste Meldung ▶