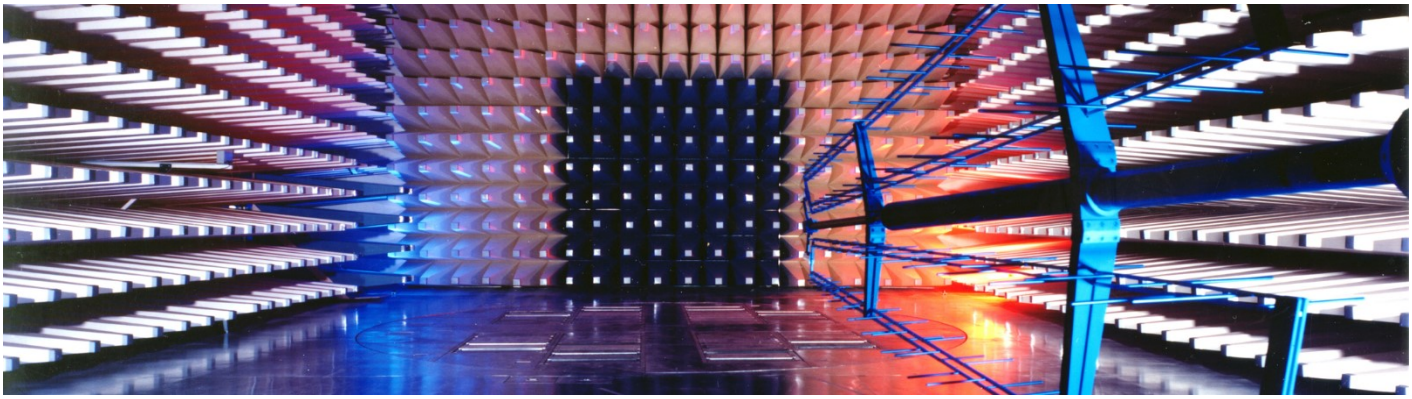


Reverberation Chamber

Description:

The reverberation chamber basically consists of a shielded cabin (5,2 m x 3,7 m x 3 m) and the mechanical tuner Teseq Stirrer M. The working volume is 2,80 m x 2,20 m x 2,20 m (BxTxH). The requirements for this test method are specified in the ISO 11452-11. The mechanical tuner can be operated in 2 different modes for stirring the electromagnetic fields: rotating step-wise to static tuner positions (Tuned Mode) or rotating continuously (Stirred Mode). In the reverberation chamber primarily immunity tests on electronic sub-assemblies (vehicle components) are carried out with typical test field strengths of the OEM test specifications.

Technical data:

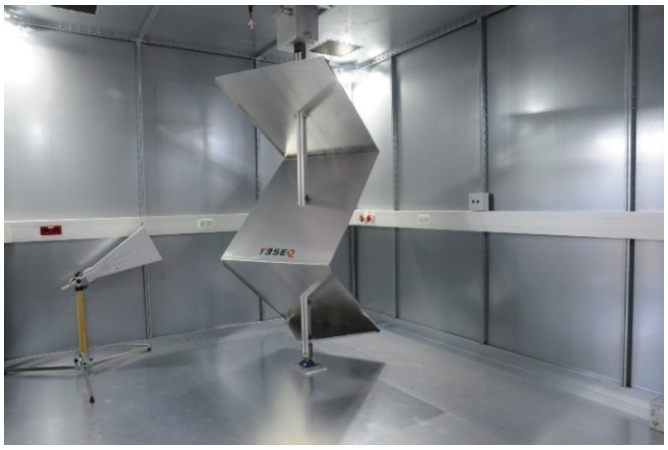
Useful frequency range from 200 MHz to 8 GHz

Pulse modulation to less than 3 µs realizable

High-frequency amplifier performance:

- 80…1000 MHz	up to 1 kW
- 1000…6000 MHz	up to 500 W
- 6000…8000 MHz	up to 200 W

AC-Supply	up to 32 A, 400 V AC
DC-Supply	up to 40 kW DC-Sources (max. 1000 V, max. 100 A) HV-filter: 1000 V DC, 4 x 100 A
Media	compressed air, cooling water



Immunity tests according to standards, such as:

ISO 11452-11	Component test methods – Reverberation chamber
CS.00244	Test method *C_RI_02_V Reverberation Chamber* according to Stellantis
B21 7110 F	Test method *EQ/IR 06 Reverberation Chamber* according to Groupe PSA
MBN 50284-2	Test method *CRC-Test: Modenverwirbelungskammer* according to Mercedes Benz
MBN 10284-2	Test method *CRC-Test: Modenverwirbelungskammer* according to Mercedes Benz
Ford FMC	in progress!
Draft UN ECE R10 rev. 7	Test method according to Annex 9 (e)