



**GLOBAL EMC**

**Data Sheet** for

# Military Shielded Chambers

**Global EMC have great experience in the installation of military RF/ anechoic test chambers.**

Military chambers can be for shielding only (faraday cage) or can be shielding + anechoic lining.

**The two most common anechoic standards are:**

1. US standard – MIL STD 461F, the last letter denotes the revision level and so may change.
2. UK standard – DEF STAN 59-411

The MIL STD 461 is a less stringent requirement and can be fulfilled by the use of pyramidal absorber (RAM), the DEF STAN 59-411 demands measurement accuracy below 80MHz and thus requires the use of ferrite tiles.

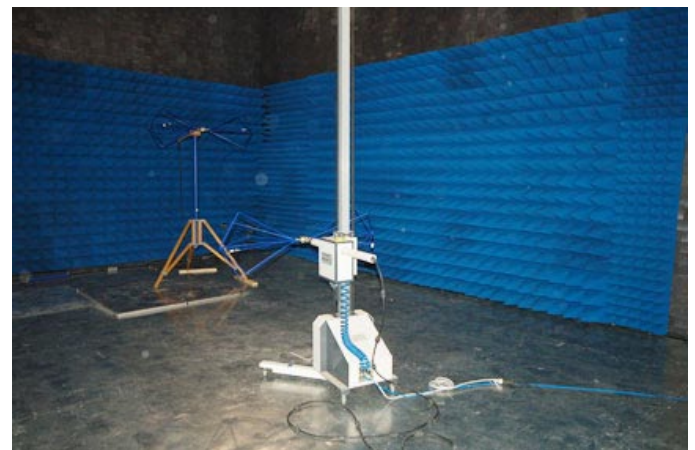
In the future there will be a requirement for all equipment to be 'CE marked' and so commercial EMC requirements will apply, a correctly designed DEF STAN 59-411 chamber will meet both military and commercial applications.

For shielding the tradition standard has been MIL STD 285 but is now obsolete, the new test standards use commercial shielding tests IEEE299.

Military applications demand a high level of shield performance from 10KHz (magnetic field) up to >18GHz and beyond (microwave)  
Correctly designed military test chambers can meet both EMC and military test standards and so are 'future proof'



Military chamber under construction (Moscow)



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