



Rainford EMCM Mode Stir System

The Rainford EMCM Reverberation Chamber (or Mode Stir System) is the most advanced available and meets the current latest European and worldwide specifications namely:

EN 61000-4-21 and IEC 61000-4-21
RTCA DO160D
MIL-STD-461E

The paddle system in particular has been designed to ensure that the shape size and movement is the most efficient. This ensures that the widest range of frequencies and particularly low frequency performance is maximized.



Benefits:

- Strong design capability and experience gained through multiple installations around the world
- Bespoke designs to suite customers needs
- Integration in new or existing chambers
- Suitable for Stirred and tuned modes
- Compatible with the most commonly used EMC software packages or can be supplied with its own unique software
- Various paddles sizes for each chamber dimension



Rainford EMC Systems Ltd, North Florida Road, Haydock,
St Helens, WA11 9TN, United Kingdom
Tel: +44 (0) 1942 296190 Fax: +44 (0) 1942 275202 email: sales@rainfordemc.com
Registered No: 5869828 VAT No: 892 2090 18



RAINFORD

EMC SYSTEMS

Rainford EMCM

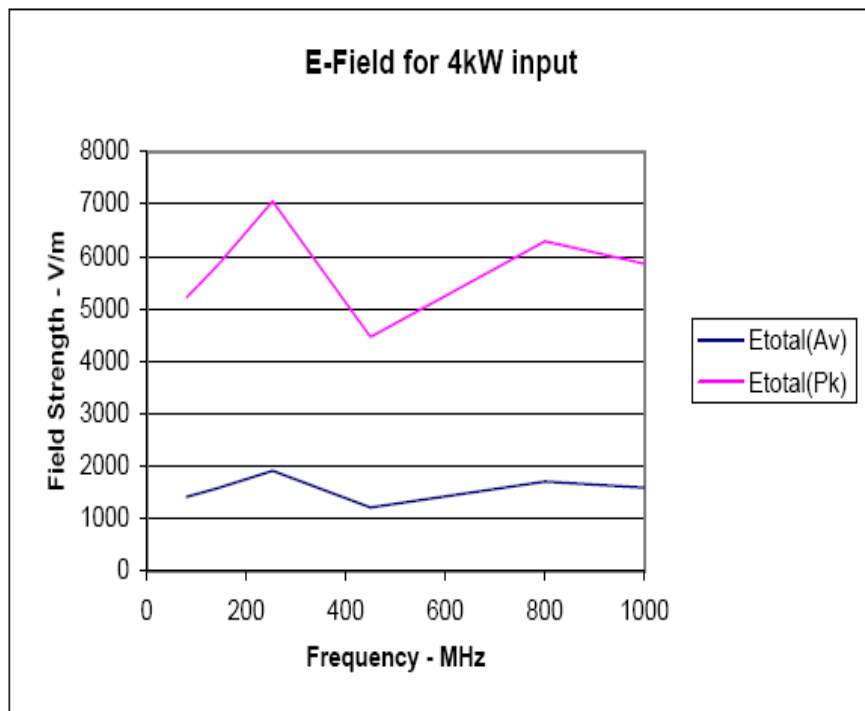
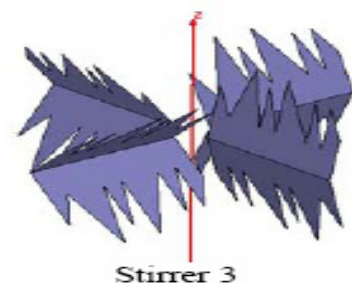
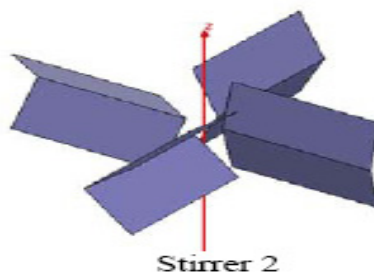
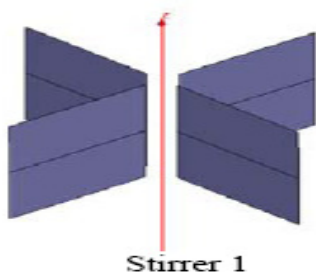
Standard Equipment

- Smart shield chamber (various sizes available)
- 2 x stirrer & paddles
- 2 x stepper motor
- 1 x controller module
- 1 x mode stir software

Options

- Aluminium or copper lining (to improve Q factor)
- Large Access door (bespoke designs for various size DUT's, including sliding)
- Controllers
- Dynamometers
- 3-Phase mains filter
- Control/data line filters
- Air conditioning
- Exhaust extraction
- Video system
- Fire detection/suppression
- Chamber calibration/Verification
- Control room
- Amplifier room

Various paddle designs used within Rainford installations shown below



Typical measured response from a Rainford EMCM installation

Maintenance

- REMC01 - 1 year maintenance pack
- REMC03 - 3 year maintenance pack
- REMC05 - 5 year maintenance pack



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