

IXB-038

For wireless testing of 'ear-worn' and 'in-ear devices



- Meets the CAD dataset described in CTIA OTA Test Plan v 3.x, modified at the ear region
- Shell 2mm +/-10% thick except at the sagittal seam
- Strengthened for horizontal manipulation.
- 13mm Perspex base with x 4 integral threaded M8 fixing holes
- Unique built-in sealed bellows for expansion relief
- Inset filling hole (bleed screw for air release) at base
- Un-filled weight 0.9kg
- CTIA liquid filled weight 8.2kg
- Fixing, 4x 8mm screws 6mm deep 110 x 75mm pitch
- CTIA v 3.3 recipe 'broadband' (650MHz-6GHz) tissue liquid, available in 9 litre containers, with individual property calibration report.

The IXB-038 SAM head is a derivative of the standard head phantom used in SAR and OTA wireless tests, with the 'flat' stylised ear removed. The head is formed of resin strengthened with glass matting and meets physical and the loss tangent requirements of the standards

The IXB-038 has been designed to allow phantom ears made from material meeting the target body dielectric properties of the CTIA Over The Air Test Plan.

The IXE-600 ear design is based on the KEMAR 'de-facto' standard ears for audio testing (models R/L KB0065/66) with a fixing boss compatible with the KEMAR audio head mannequin. Ears could be interchanged between RF and audio head phantoms if required.

For 'in-ear' device testing a 1.8cm³ ear canal is provided.

