

IXS208

Positioning of the phone (EN 50361 Reference 7.2.2.4):

Tests should be undertaken of the repeatability of phone positioning as influenced by the various operators of the equipment undertaking repeated positional alignments. To obtain an adequate statistical measure of this effect, it is recommended that the probe is positioned statically in the high SAR region of the head whilst spot SAR measurements are recorded after each repositioning of the handset. The upright head geometry is expected to be of benefit here as visual inspection of the phone alignment with the phantom surface is considerably facilitated. taken as $\pm 10\%$ Worst case.

The use of the plastic mounting blocks fixed to the phone helps minimise re-positioning uncertainties.

To aid the consistency of phone placement against the SAM phantom, it is useful to use a marker pen (or similar) to mark the location of the speaker on the side of the handset. In this way, the phone can be lined up accurately with the ear mouth line on the phantom and the speaker can be located directly over the ear point.

The upright phantom geometry makes the reproducibility of this set up process easier to achieve than with a bath phantom.

We believe that the $\pm 10\%$ figure is a reasonable worst case estimate and that it would be possible to justify a lower uncertainty if repositioning tests were done by the staff involved.