Reviewer's report

**Title:** Short GSM mobile phone exposure does not alter human auditory brainstem response

**Version:** 3 **Date:** 9 July 2007

**Reviewer:** Mariola Sliwinska-Kowalska

**Reviewer's report:**

The study provides further evidence that short exposure to the GSM mobile phone electromagnetic field does not cause changes in human auditory brainstem potentials. The results of this study are in agreement with the previous papers, except one, published in 1999 by the same group of authors. The investigation is a part of the European Commission project with the acronym “GUARD”, the methods used are appropriate and they do not raise my concerns.

Major remark:
More detailed analysis is required to answer why there are the discrepancies between currently obtained results and these received previously in the same laboratory?

Minor remarks:
The type of Nokia mobile phone is different in the summary (6110) and in the text (6310).

Page 6, line 3 from the top – 27 Hz is a stimulus rate or repetition rate, but not “sound frequency” – also make it consistent with what is on the page 9, the last row.

Because previous studies have already shown that short experimental exposures to the GSM mobile phone electromagnetic field don’t affect the ABR pattern it would be more precise to state in the summary conclusion that the results of this study “confirm earlier investigations” or “indicate”, and not “suggest”.