Interactive
Comment

Interactive comment on "Near equipment magnetic field verification and scaling" *by* M. A. Pudney et al.

Anonymous Referee #2

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The authors of the article 'Near equipment magnetic field verification and scaling' deal with an interesting topic. From my point of view the topic related to the verification of electromagnetic radiation of satellite components needs further investigation in the near future. The design goals of special experiments onboard of satellites on ongoing and future projects (missions) require such a high measuring accuracy of their instruments that it is/will be incredible difficult to verify this accuracy by measuring equipment on ground. During measurements you will be either buried in the electromagnetic noise or the distance between the disrupter and the measuring position will be too close to receive a meaningful result. The approach by varying a statistical model looks feasible. It is easy to retrace the line of thoughts within the article.

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The result looks feasible and promising too. Nevertheless a further effort is necessary to establish this result in praxis. In case of establishing a reliable worst case scenario when measuring any equipment it would be nice to spend a few more words in the article on the 'statistical outliners' to avoid missing any hidden systematic relationship.

All in all this article is excellent and therefore from my point of view worth to be published.

Interactive comment on Geosci. Instrum. Method. Data Syst. Discuss., 3, 437, 2013.