

***Interactive comment on* “Simulating satellite observations of 100 kHz radio waves from relativistic electron beams above thunderclouds” by M. Füllekrug et al.**

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We wish to thank the reviewer for the careful reading of the manuscript and the suggestions on how to improve the quality of the manuscript.

In particular, we have extended the summary with a first order estimate of the expected electric field intensities from relativistic electron beams and suggest specific areas for future work to improve the accuracy of the predictions.

We have also taken action on all the other points raised by the referee as explained in detail below.

p.23154,l.3: degree now added p.23156,l.7: the reference and its discussion was added at the end of section 2 to strengthen the motivation of the study p.23158,l.6-21: the transmitter powers in East Asia are only known from private sector sources and have been deleted from Fig.5 as now explained at the end of the first paragraph in section 6 p.23164,fig.2: color scale now added p.23165,fig.3: yes, your understanding is correct and this is now explained in more detail in the caption p.23165,fig.4: a dashed box and the same symbols are now used

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/10/C10797/2010/acpd-10-C10797-2010-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 23149, 2010.

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