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Influence of Specific Absorption Rate Averaging Schemes on Correlation between Mass-Averaged Specific Absorption Rate and Temperature Rise

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Abstract

The influence of specific absorption rate averaging schemes on the spatial correlation between mass-averaged specific absorption rate and radio-frequency-induced steady-state ter osed to plane wa ite-differenc computed on the b aging algo -inclusion factors. yields larger global c ture-rise distribut e on the air-inclusion factor features a distinctive threshold behavior.

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Keywords: specific absorption rate | correlation | temperature rise | radio-frequency exposure

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Notes

[a] All values taken from Bernardi et al. (2003) except:

[b] from Flyckt et al. (2006)

[c] from Li and Gandhi (2006), and

[d] from Hirata (2006).

[1]The simulated heat exchange time, not to be confused with the numerical simulation run-time, is the time required to reach thermal equilibrium when heat processes in the full-body model are regulated by Eq. (3).

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