On the other hand, having so stabilized the algorithm, A tends to become lower and lower as refinement factor increases.

Having verified the feasibility of the method for a spherical canonical target, a study of practical interest such as that of a subject exposed in the near field of a base-transceiver antenna, was conducted. Two refined domains were used both embedded into a coarser one. The first allows an accurate description of the antenna electrical structure while the second one, containing the body model, permits to fulfill the FDTD accuracy constraints for high permittivity media.

Results show the suitableness of this new subgridding algorithm for dosimetric problems.

References
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REFERENCES:

<table>
<thead>
<tr>
<th>Device</th>
<th>Simulation setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walkie-talkie</td>
<td>Free space</td>
</tr>
<tr>
<td></td>
<td>Flat phantom</td>
</tr>
<tr>
<td></td>
<td>SAM head phantom</td>
</tr>
<tr>
<td></td>
<td>Homogenous Visible Human</td>
</tr>
<tr>
<td></td>
<td>Heterogeneous Visible Human</td>
</tr>
</tbody>
</table>

Table 1: Overview of the examined setups for SAR assessment.

![Figure 1: Assessment of the 10 g Averaged SAR caused by a walkie-talkie radiating in the proximity of a flat, the SAM head and the Visible Human head phantom.](image)

![Figure 2: The SAR distribution in a vertical cut of the (a) homogenous and (b) heterogeneous Visible Human head caused by a walkie-talkie.](image)
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