

Series Editor
Daniel Pasquet

The Wave Concept in Electromagnetism and Circuits

Theory and Applications

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Color section

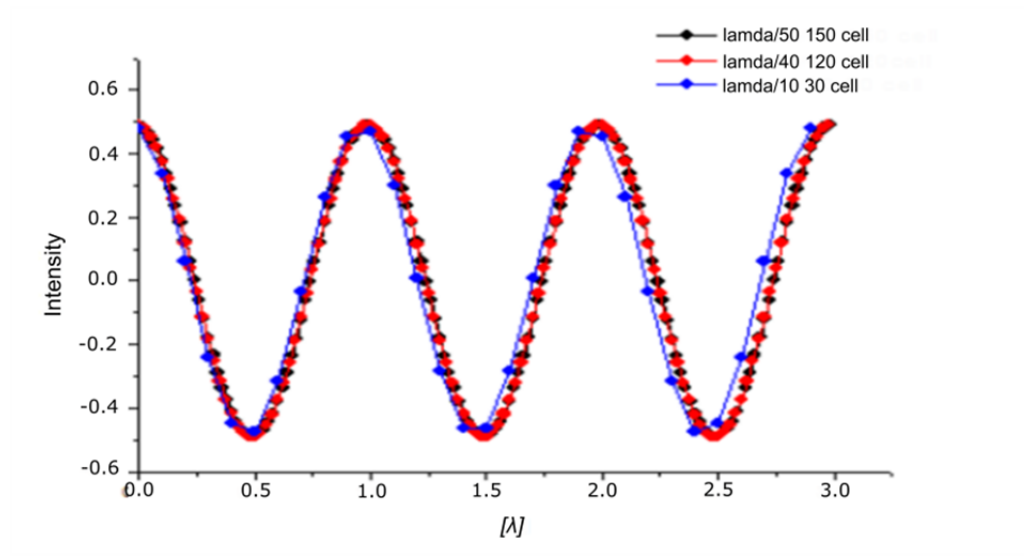


Figure 1.10. Comparison of current density for different cell lengths for a length of 30 cm.

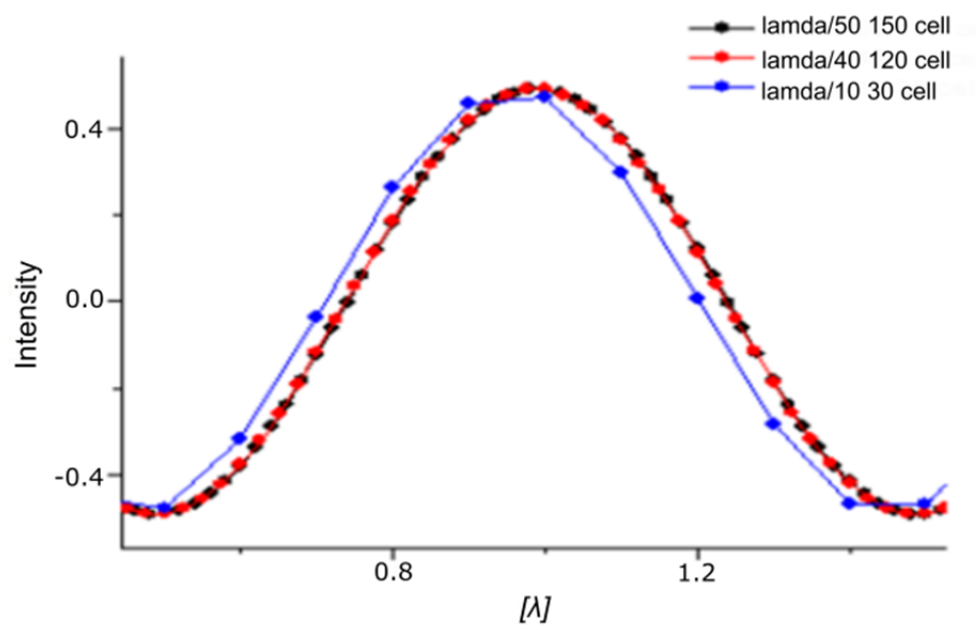


Figure 1.11. Comparison of current density for different cell lengths measured according to wavelength λ .

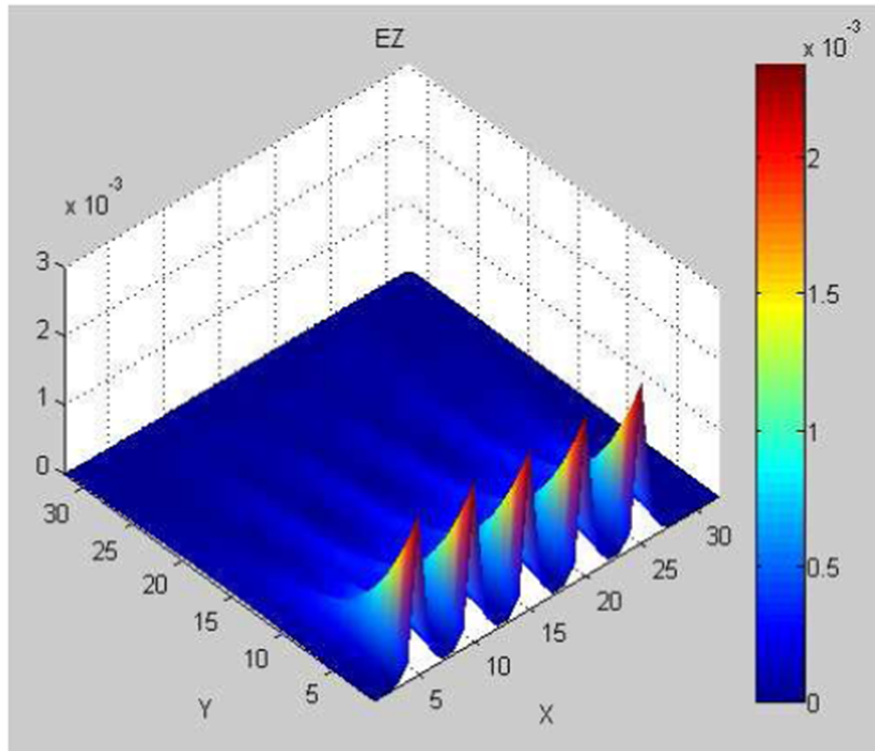


Figure 1.18. Five-cell configuration with an activated source in Z shown in three-dimensions.

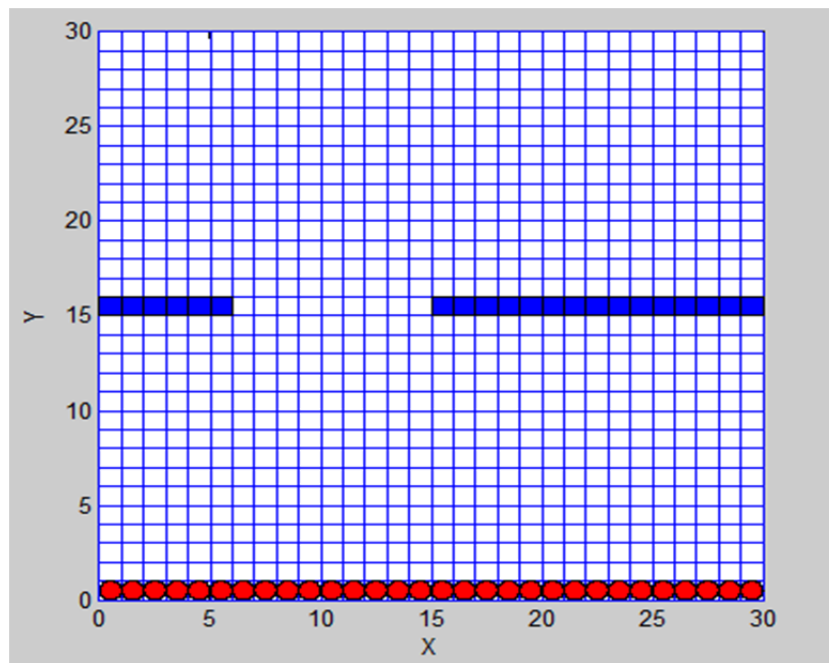


Figure 1.19. Diagrammatic representation of the structure being studied. The source cells in red (lower line) are active and those in blue (above) are impediment cells.

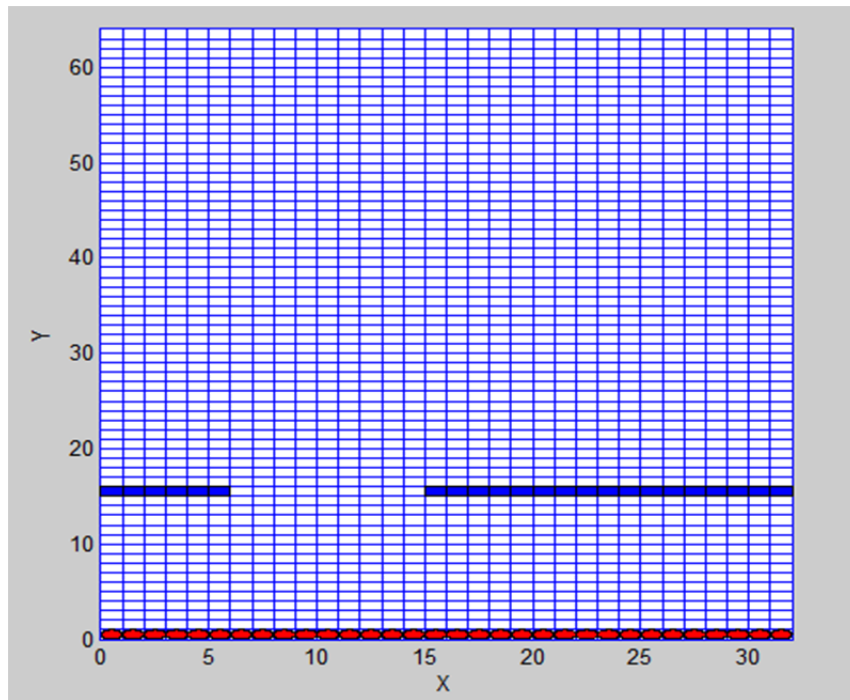


Figure 1.20. Diagrammatic representation of the studied structure. The active source cells are in red (lower line) and the impediment cells are in blue (above).

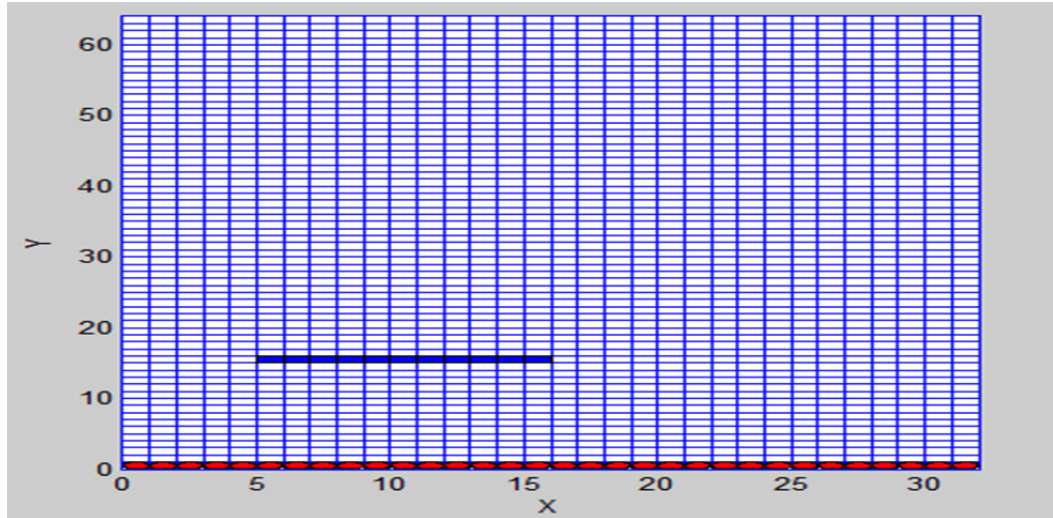


Figure 1.23. Diagrammatic representation of the structure studied. The active source cells are shown in red (lower line) and the impediment cells are shown in blue (above).

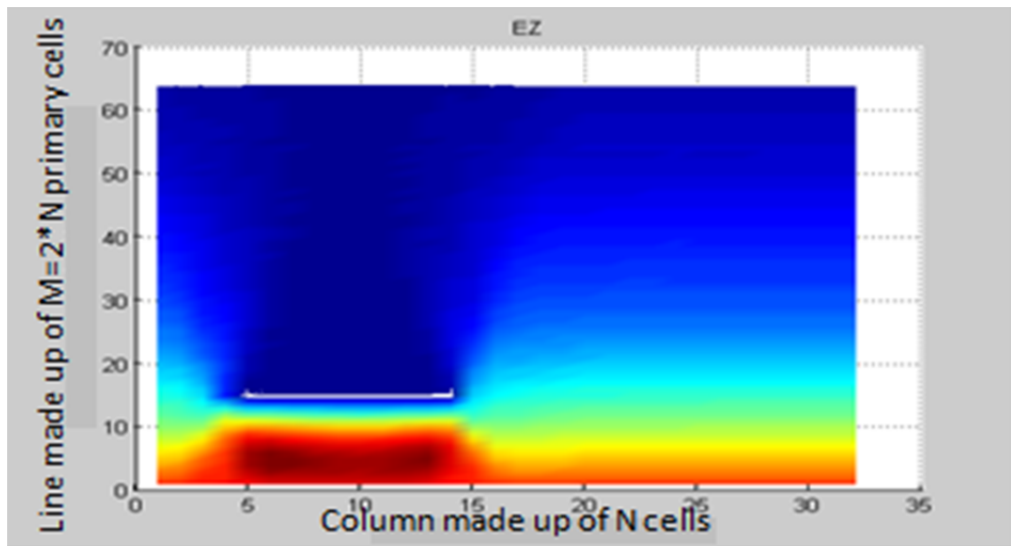


Figure 1.24. E_z as a function of the cells number in X and Y directions for structure made up of 64 x 32 cells and shown in Figure 23.

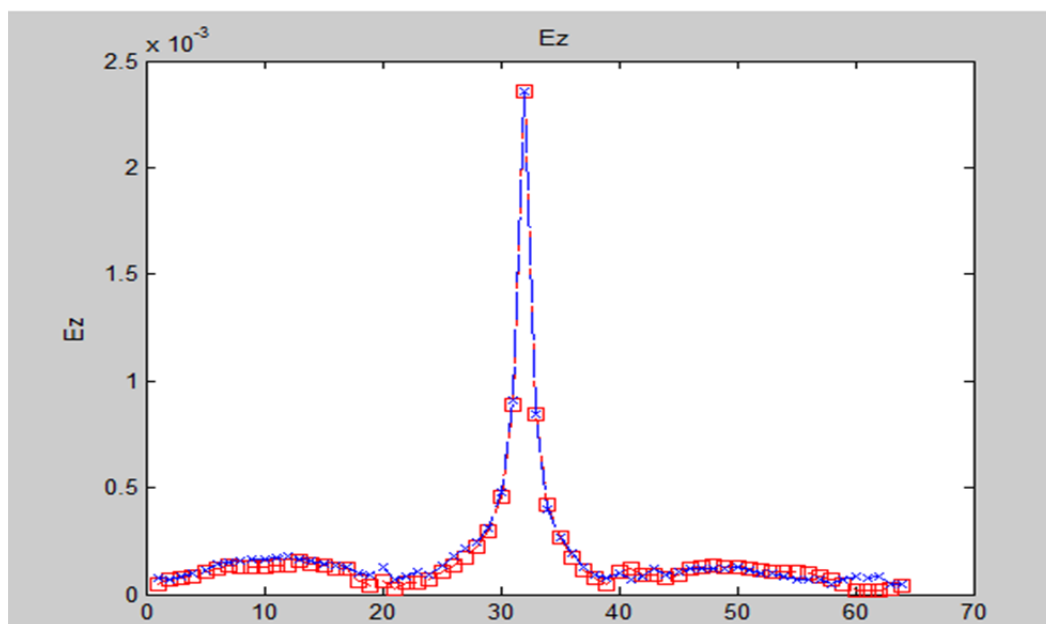


Figure 1.28. Behavior of field E_z at the level of the central source in X (red boxes) and in Y (blue crosses).

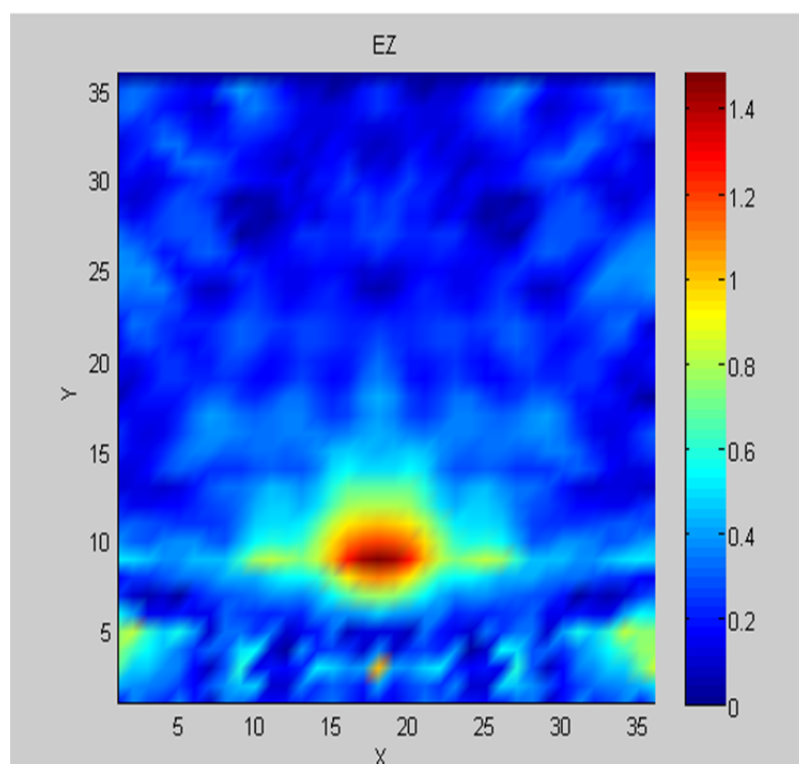
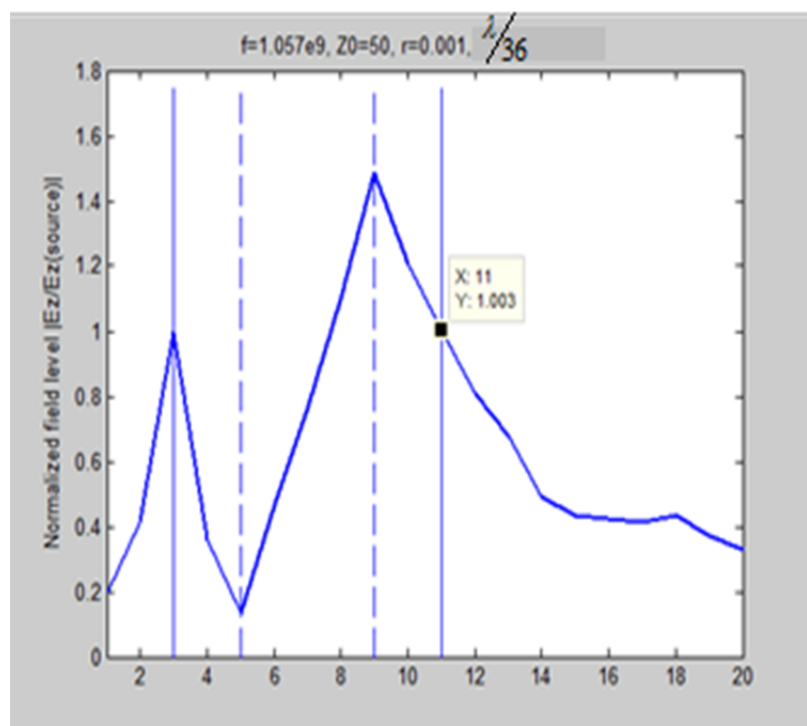


Figure 1.36. Behavior of the field $|E_z|$.

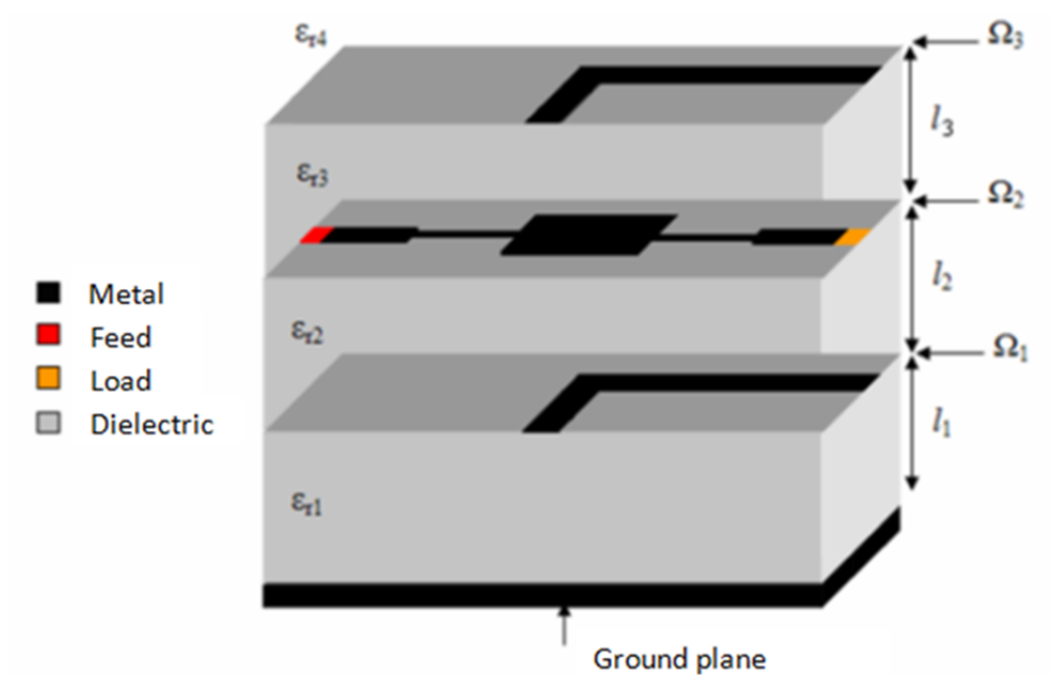


Figure 2.1. Example of the multilayer planar structure.

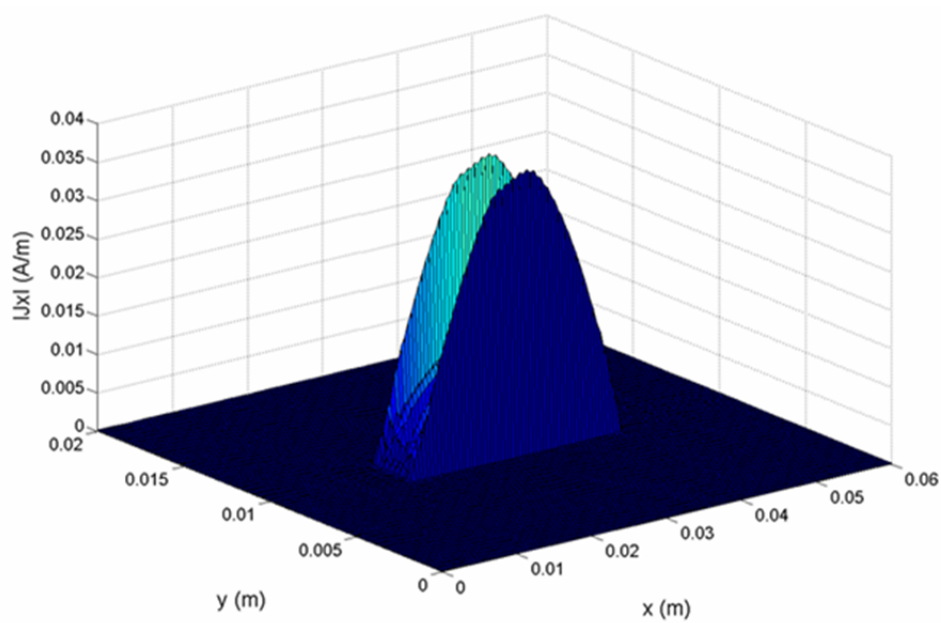


Figure 2.5. Behavior of current density on the second interface at 4 GHz.

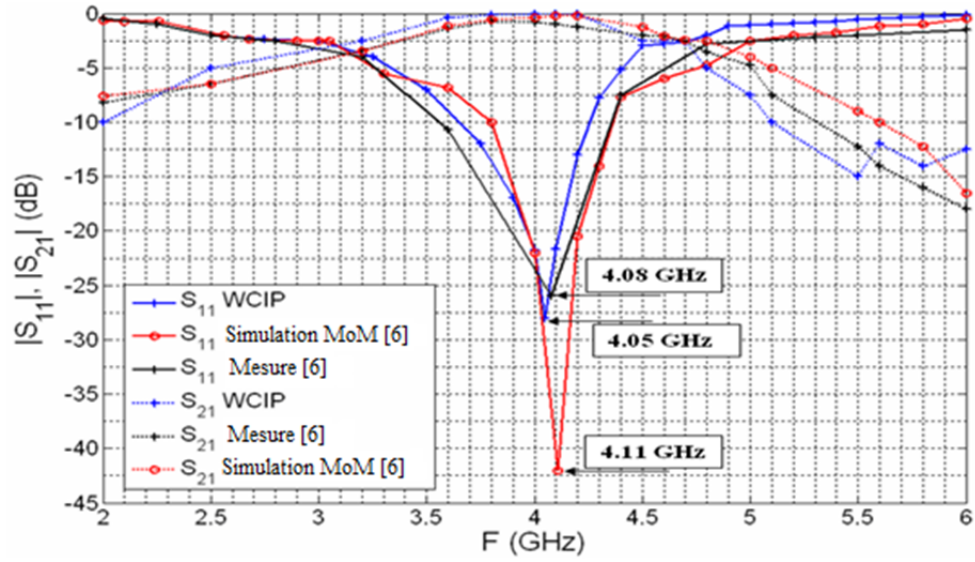


Figure 2.6. Absolute value of the reflection coefficient, $|S_{11}|$ and transmission coefficient $|S_{21}|$ in dB according to the frequency in GHz.

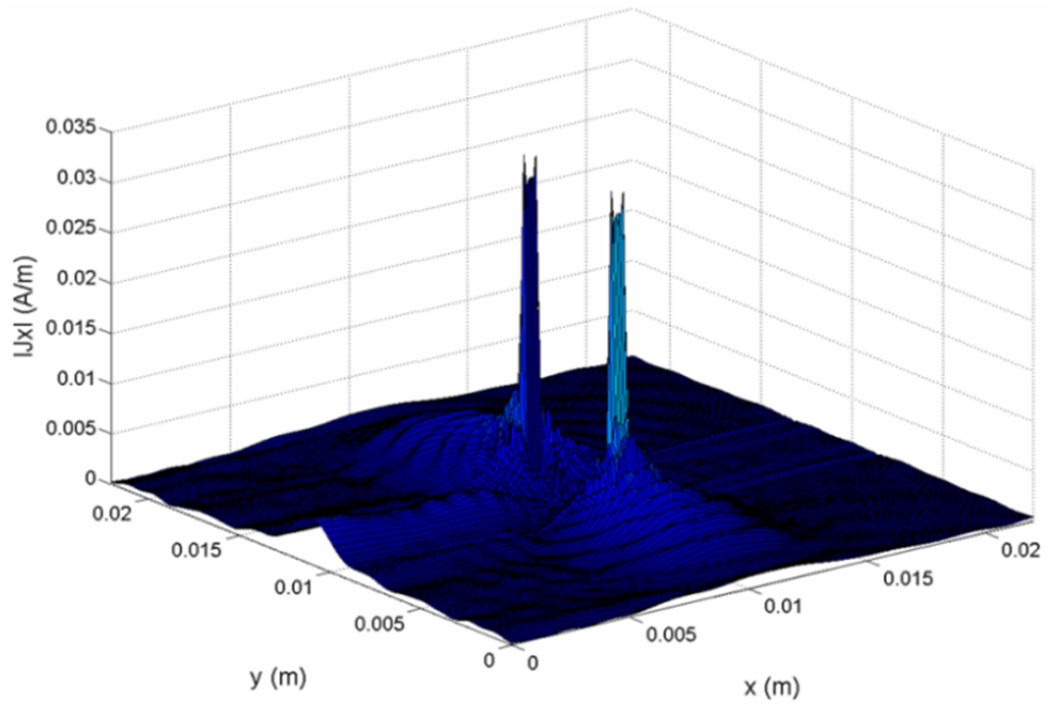


Figure 2.9. Behavior of current density across the second 10 GHz interface.

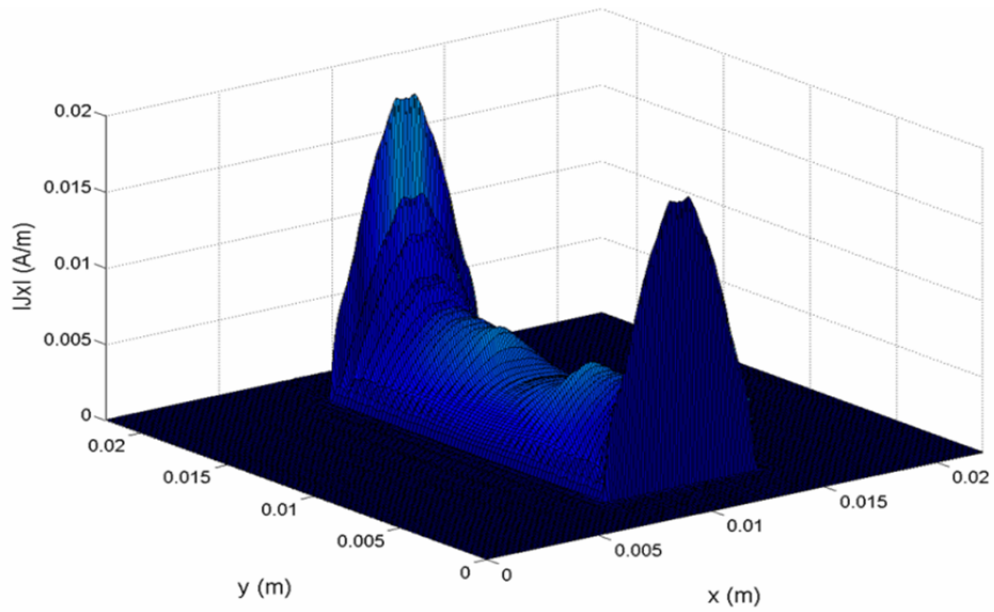


Figure 2.10. Behavior of the current density upon the third interface at 10 GHz.

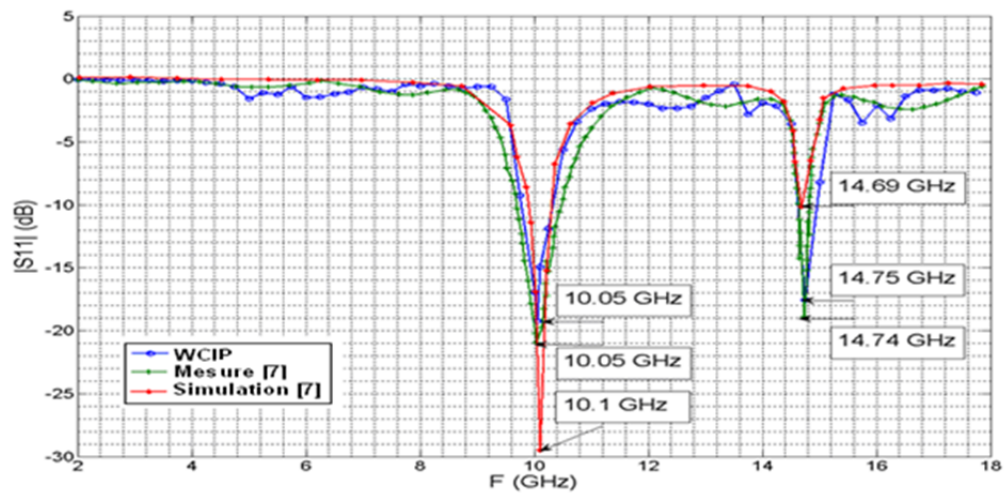


Figure 2.11. Absolute value of the input reflection coefficient, $|S_{11}|$ in dB expressed as a function of frequency in GHz.

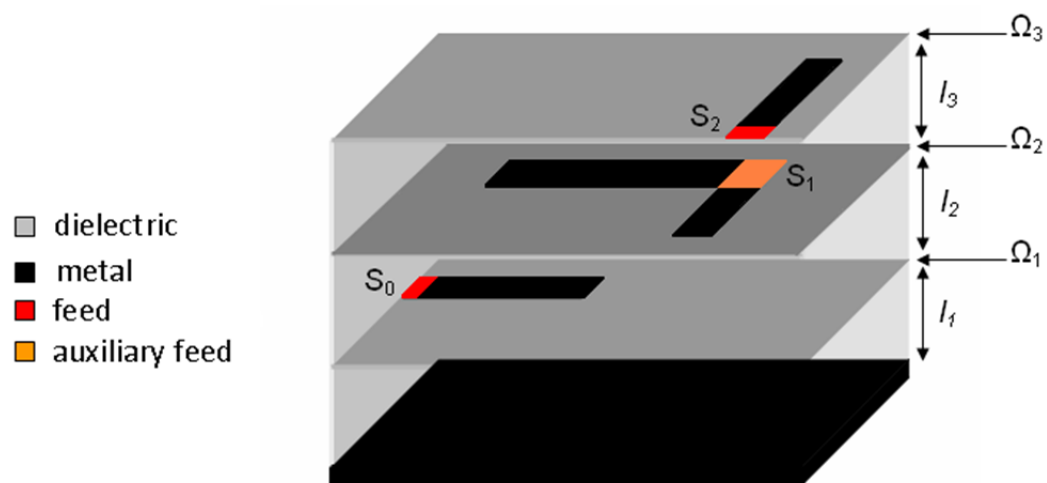


Figure 2.19. 3-D view of the auxiliary feed structure.

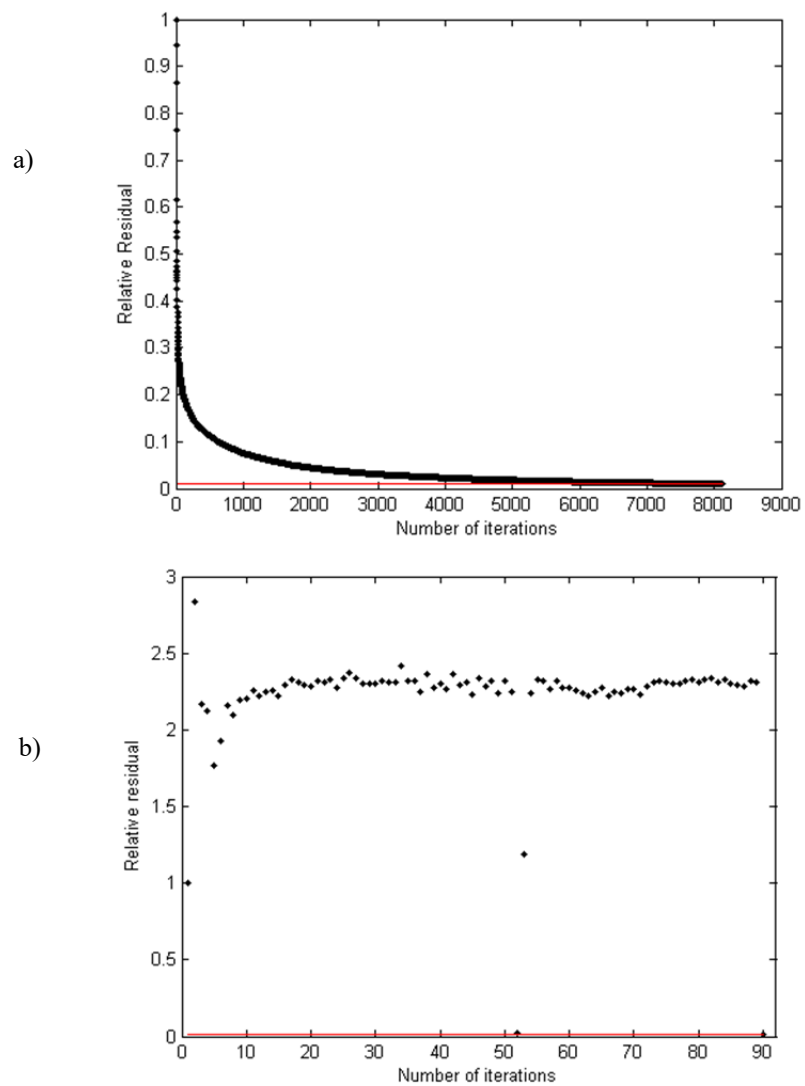


Figure 5.3. a) Solution using Richardson's procedure; b) solution using GMRES.

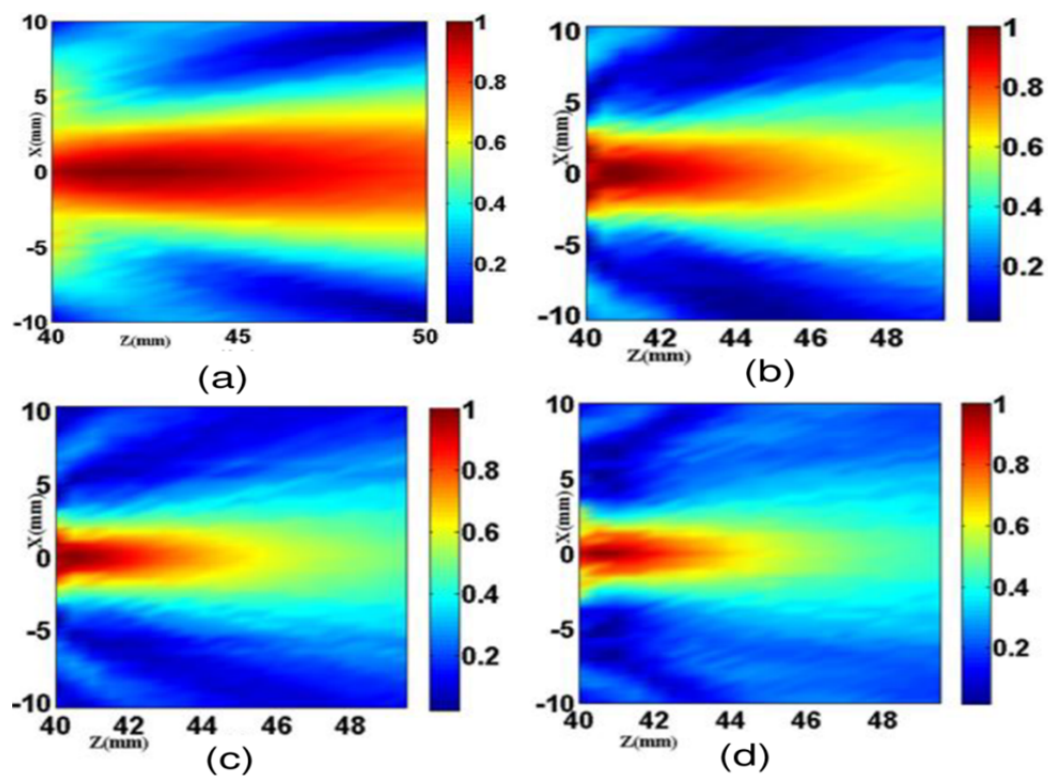


Figure 6.67. Electric field modulus for various ϵ_r values: a) $\epsilon_r = 2$, b) $\epsilon_r = 4$, c) $\epsilon_r = 6$ and d) $\epsilon_r = 8$.