Initialize material properties $\mu_r, \varepsilon_r, \sigma$

Filter $\gamma$ into $\gamma_f$

Set initial value of $\beta$

Transfer $\gamma_f$ into $\gamma_p$

Solve the wave equation

Update $\gamma$ using MMA

(Yes)

Iterations = 30?

Yes

End

No

$\beta = 2\beta$

$\beta = 512$

$\beta = 128$

$\beta = 16$

$\beta = 1$

$\beta = 1024$?

Yes

Objective function converged?

Yes

End

No

Yes

No