

Fig. 8. Microphone internal view.

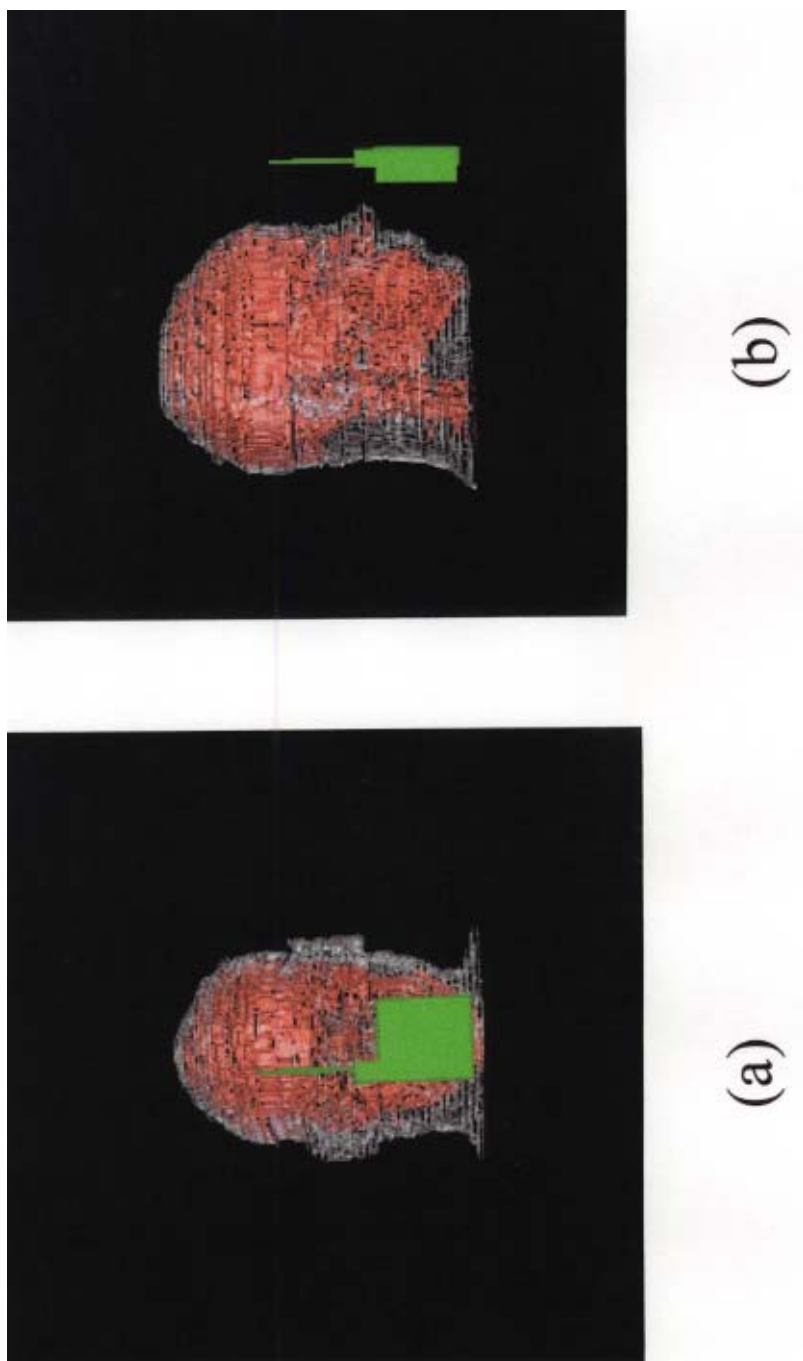


Fig. 9. The M/A-Com "Microphone" Portable Radio P-801T with "quarter-wave" antenna held in front of the mouth.

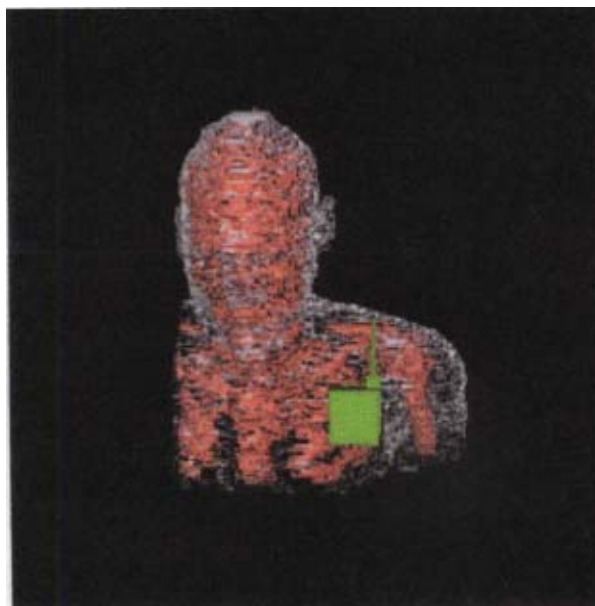


Fig. 10. The M/A-Com "Microphone" Portable Radio P-801T with "quarter-wave" antenna mounted on lapel at the shoulder.

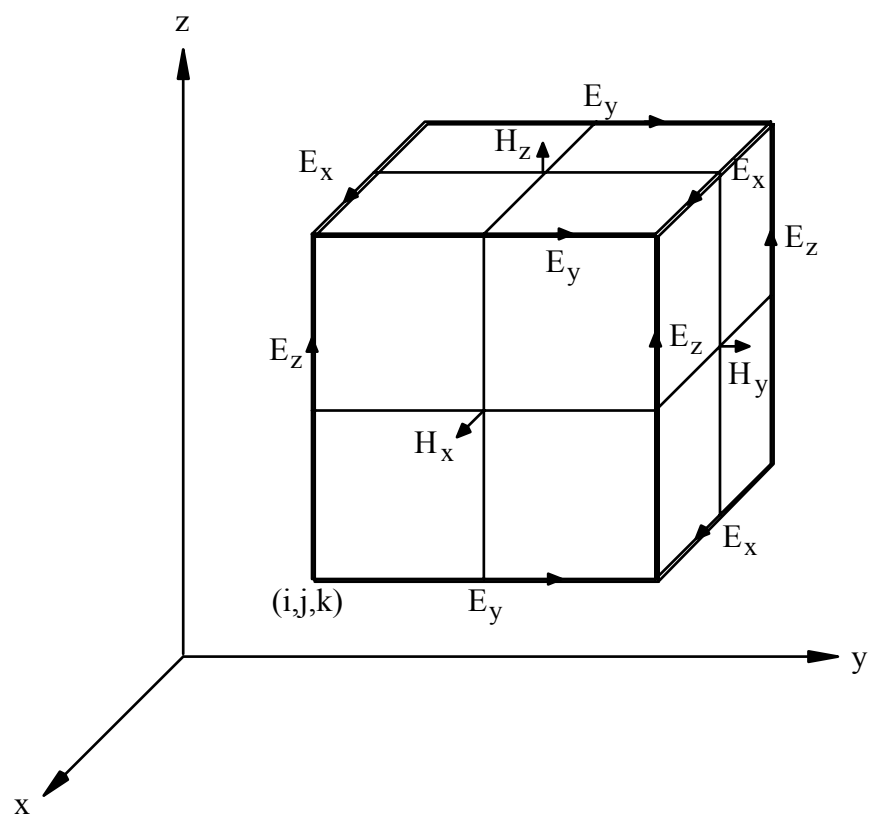


Fig. 11. A unit cell of Yee lattice indicating positions for the various field components.

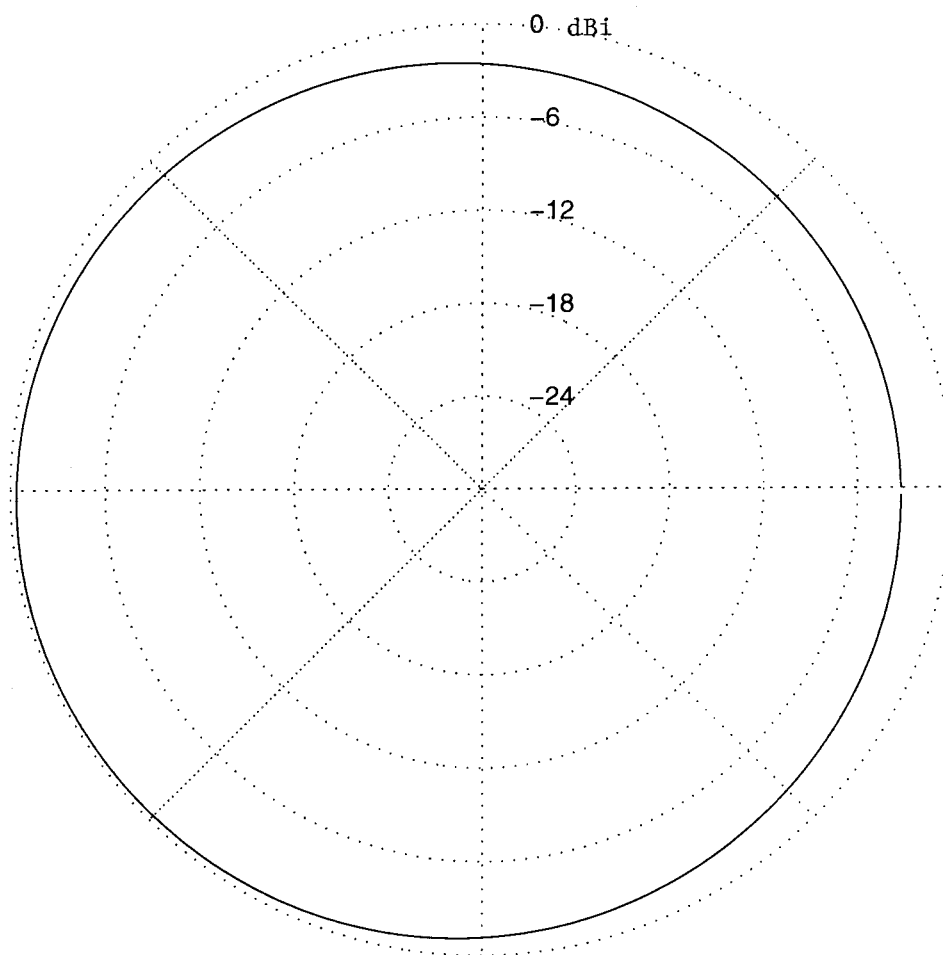


Fig. 12. The calculated radiation pattern for the horizontal xy plane for the M/A-Com Model P-801T Radio (with nominal "1/2 wave" antenna) held in free space.

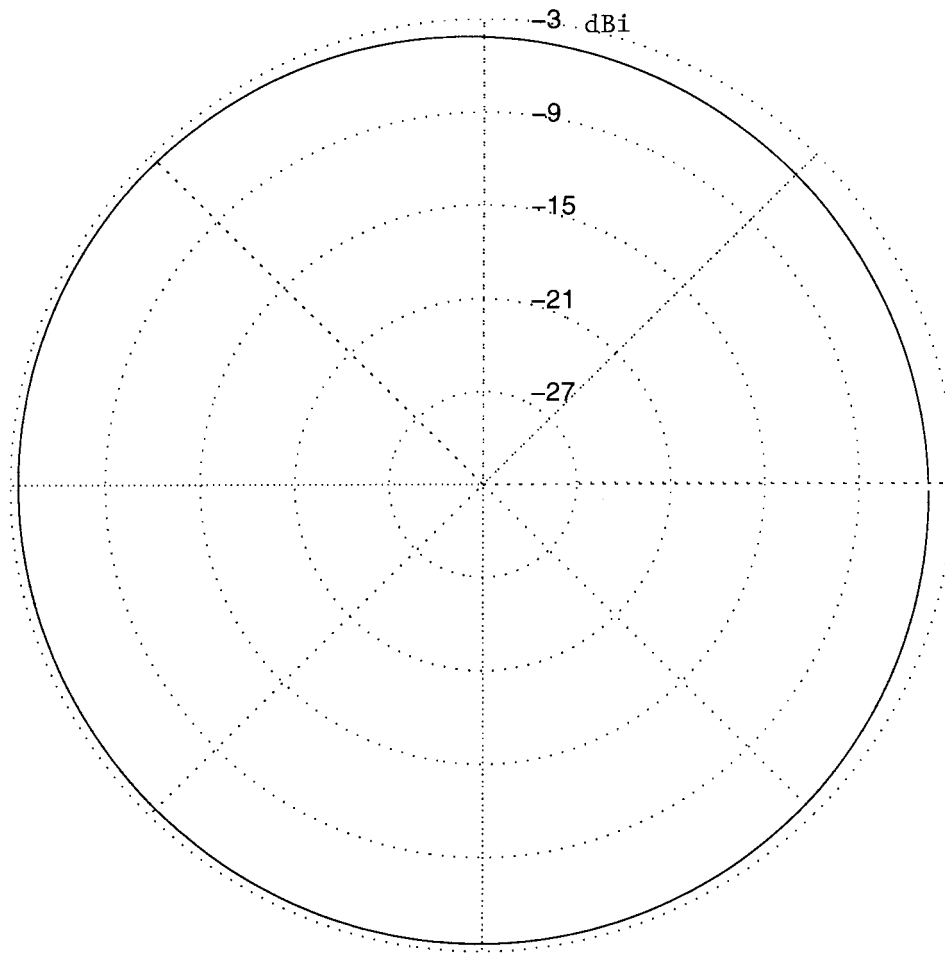


Fig. 13. The calculated radiation pattern for the horizontal xy plane for the Microphone (with nominal "1/4 wave" antenna) held in free space.