

$$H_\theta = j \frac{\omega \mu_0 m \beta^2}{4 \pi \eta_0} \left[\frac{j}{\beta r} + \frac{1}{(\beta r)^2} + \frac{-j}{(\beta r)^3} \right] \sin(\theta) e^{-j\beta r} \text{ A/m} , \quad (6)$$