$$E_r = -\frac{2Q}{r^2}k^2 \left( \left( 1 - \frac{3}{k^2 r^2} \right) \cos(\omega t - kr) + \frac{3}{kr} \sin(\omega t - kr) \right) \left( 1.5 \cos^2(\theta) - 0.5 \right)$$
 (3)

$$E_{\theta} = -\frac{Qk^2}{r^2} \left( \left( 3 - \frac{6}{k^2 r^2} \right) \cos\left(\omega t - kr\right) - \left( kr - \frac{6}{kr} \right) \sin\left(\omega t - kr\right) \right) \sin\left(\theta\right) \cos\left(\theta\right) \tag{4}$$