frequency Now Equation 
$$\sqrt{z}$$

$$\sqrt{2}F + \omega^2 h \in E = 0 \implies E_n(z) = E^{\dagger}e^{ikz} + E_o e^{ikz}$$

Properties in 
$$+\hat{x}$$
  $E_{z}(n=0) = 5cos(10^{9} \pi t)$ 

$$E_{z}(n) = 5cos(\omega t - kn) \frac{3x}{3}$$

$$\frac{3^{2} = \frac{h}{\xi}}{\xi} \qquad \frac{3^{2} = \frac{E^{2}}{H^{2}}}{\xi} \qquad \gamma, \theta, \varphi$$

$$E = \frac{\partial}{\partial x} \frac{|2\pi|}{r} e^{-\frac{1}{2}2\pi r} \sin \theta \implies H = \frac{\partial}{\partial x} \frac{|2\pi|}{|2\pi|} e^{-\frac{1}{2}2\pi r} \sin \theta$$

$$P_{av} = \frac{1}{23} E^{2} = \frac{1}{23} \cdot \left(\frac{|2\pi|}{r}\right)^{2} \sin^{2}\theta \qquad |e^{-\frac{1}{2}2\pi r}| + \frac{\cos^{2}(-2\pi r)}{r} + \cos^{2}(-2\pi r)$$

$$= 1$$

$$P = \iint_{0}^{\pi_{2}\pi} P_{av} r^{2} \sin \theta \, d\varphi \, d\theta$$

$$f = |\alpha \circ H|^{2} \qquad f = |\alpha \circ MH|^{2} \qquad f = |\alpha \circ MH|$$

