

Mikrodalga mühendisliği Ödev II

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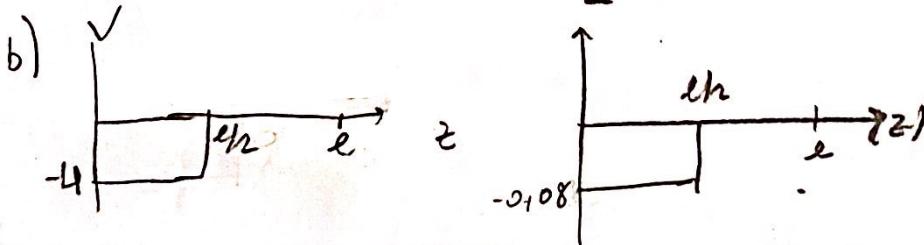
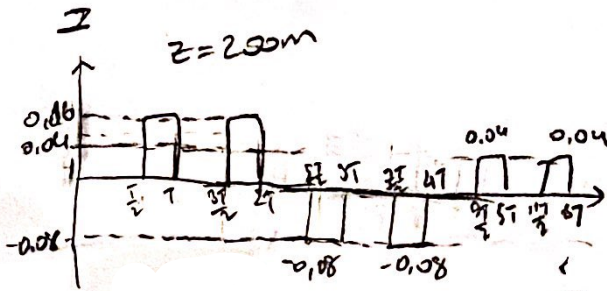
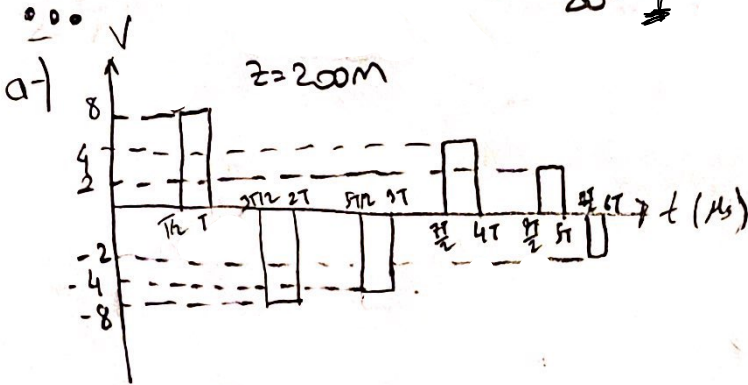
$$z_L = 0, \Gamma_L = -1, \Gamma_g = \frac{150 - 90}{150 + 90} = \frac{100}{240} = \frac{1}{2.4}$$

$$32 \text{ (uL)} - \text{uL} - 1 \text{ uL}$$

$$V(z,t) = \frac{20 V_0}{20 + k_g} \left[\{ u(t-t_0) + \Gamma_L u(t-2z+t_0) + \Gamma_g u(t-2z-t_0) \} \right.$$

$$\left. - u(t-t_0-1 \text{ uL}) + \Gamma_L u(t-2z+t_0-1 \text{ uL}) \dots \right] \quad \frac{20 \cdot 16}{20 + k_g} = \frac{50 \cdot 32}{200} = 8 \quad T = \frac{600}{20} = 24 \text{ ns}$$

$$t_0 = \frac{200}{20} = 10 \text{ ns}$$



c) Porke sürüşi 6 ns olduğundan $\rightarrow 6 \mu$ birim Şekline

