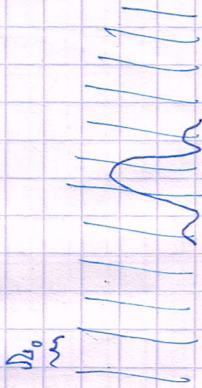


$$T_0 = \frac{\delta \cdot \sin \mu C}{\mu}$$

$$\text{rect}(\rho) \equiv \begin{cases} 1 & |\rho| < 1 \\ 0 & |\rho| \geq 1 \end{cases}$$

$$f(t) = \text{rect}\left(\frac{t}{T_0}\right) \sin(\omega_f t) \otimes \sum_{n=0}^{\infty} \delta(t - n T_0)$$

$$F(f) = \left[\left(\frac{\sin C(\omega - \omega_f) T_0}{\omega} \right) + \left(\frac{\sin C(\omega + \omega_f) T_0}{\omega} \right) \right] \cdot \sum_m \delta(\omega - m \Delta \omega_0) \quad \Delta \omega_0 \approx 1000 \text{ kHz}$$



amplitude of original signal peaks $\omega = n \Delta \omega_0$

amplitude of side lobes peaks $\omega = \left(n \pm \frac{1}{2}\right) \Delta \omega_0$