

Bandwidth required...

$$\pi_b = 1 \text{ Mbit/s}$$

$$\pi_c = \frac{\pi_b}{R} = 3 \text{ Mbit/s}$$

$$B_T = \frac{\pi_c}{2} (1 + \delta) \Rightarrow B_{T_{\min}} = \frac{\pi_c}{2} = 1,5 \text{ MHz.}$$

