1) GPRS - 900 MHz $V = 320 Km/h \approx \frac{320\,000}{3600} = \frac{320}{3,6}$

$V = 88,88 ms$ $\lambda = \frac{c}{f} = \frac{3.10^8}{900.10^6}$

$f_D = \frac{v}{\lambda}$

$= \frac{3.10^2}{900} = \frac{3}{9} = \frac{1}{3} = 0,33 m$

$f_D = \frac{88,88}{0,33} = 269,33 Hz$

$T_c = \frac{1}{2 f_D} = \frac{1}{2.269,33} = \frac{1}{538,66} = 0,00185 S$

$T_S = 185 ms$

$T_S = \frac{1}{R_S}$

R_S para GPRS $\Rightarrow$ 200K

$T_S = \frac{1}{200K} = 5 \mu s$ $T_S < T_c \Rightarrow$ Desvanecimento lento