

Necessary Bandwidth Calculation

For TR1006 with modulation code A1D.

Amplitude modulated, double side band

$$\begin{aligned} &= B * K \quad B = 85.7 \text{ kBaud, } K \text{ is 3 for non-fading circuits} \\ &= 257.1 \text{ kHz} \end{aligned}$$

For CC1000 with modulation code F1D.

Frequency Shift Keyed

$$\begin{aligned} &= 2 * M + 2 * D * K, M = B/2, B \text{ is } 76.8 \text{ kBaud, } D \text{ is } 65 \text{ kHz, and } K \text{ is } 1.2 \\ &= 232.8 \text{ kHz} \end{aligned}$$