$$D_3 = \left(e^{(-j3\pi)} \cdot \text{sinc}(3\pi) + \frac{e^{(1-j6\pi)} - 1}{(6\pi j - 1)} \right) = -0{,}0048 - 0{,}0909j$$

$$D_{-3} = -0{,}0048 + 0{,}0909j$$

$$P_3 = P_2 + P_{D_3} + P_{D_{-3}} = 0{,}7157$$

$$D_4 = \left(e^{(-j4\pi)} \cdot \text{sinc}(4\pi) + \frac{e^{(1-j8\pi)} - 1}{(8\pi j - 1)} \right) = -0{,}0027 - 0{,}0682j$$

$$D_{-4} = -0{,}0027 + 0{,}068j$$

$$P_4 = P_3 + P_{D_4} + P_{D_{-4}} = 0{,}7250$$

Serão necessários 4Hz de Banda.