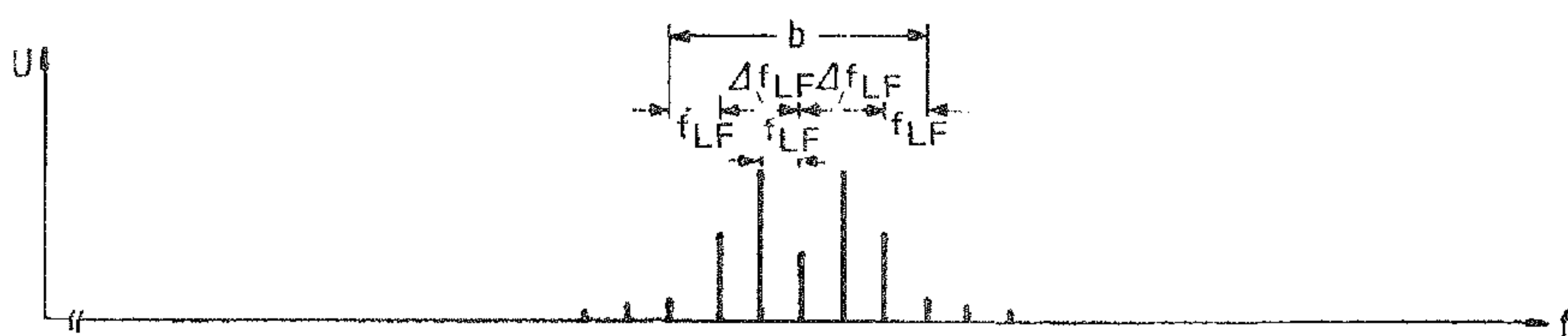


$$f_{LF} = 1 \text{ kHz}$$

$$\Delta f = 2 \text{ kHz}$$

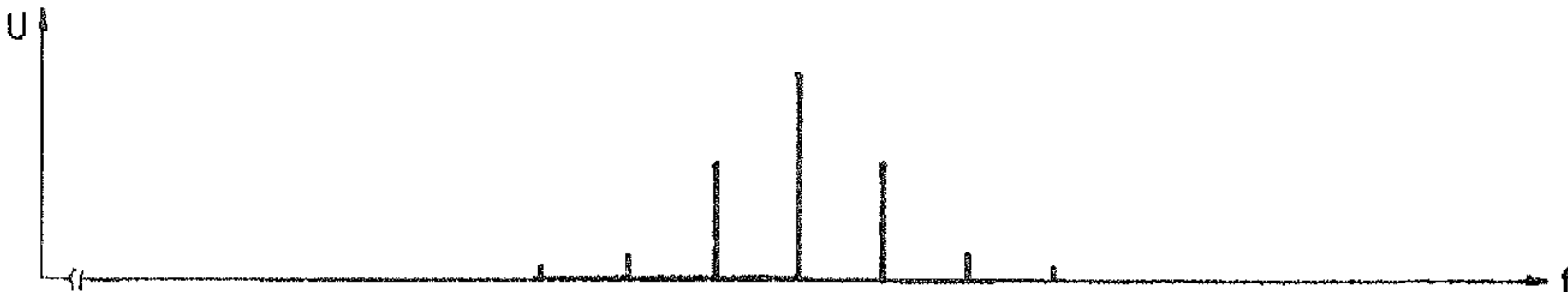
$$m = 2$$



$$f_{LF} = 2 \text{ kHz}$$

$$\Delta f = 2 \text{ kHz}$$

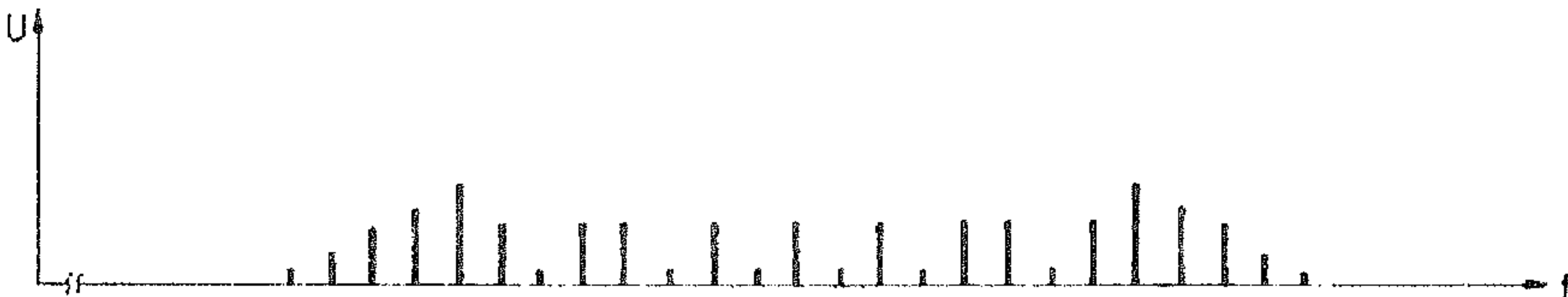
$$m = 1$$



$$f_{LF} = 1 \text{ kHz}$$

$$\Delta f = 10 \text{ kHz}$$

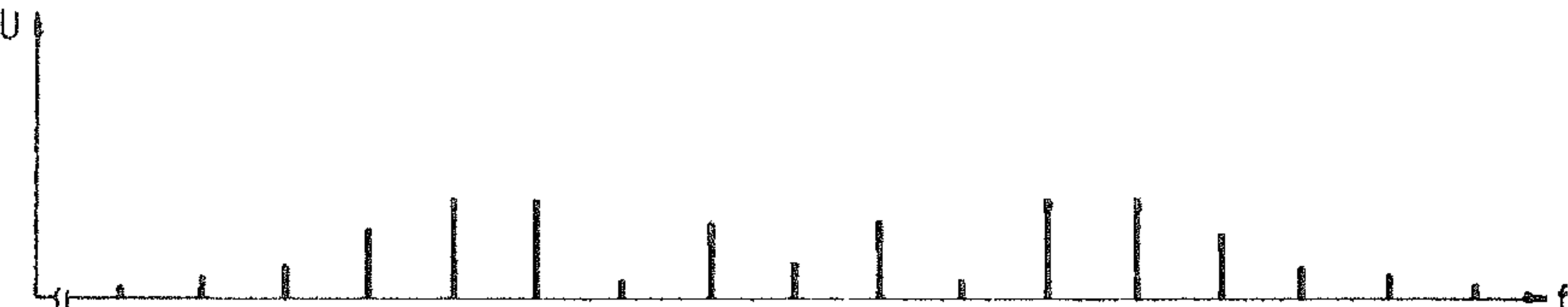
$$m = 10$$



$$f_{LF} = 2 \text{ kHz}$$

$$\Delta f = 10 \text{ kHz}$$

$$m = 5$$



Modulationsindex $m = \frac{\Delta f_{\max}}{f_{LF\max}} = \frac{3 \text{ kHz}}{3 \text{ kHz}} = 1$

Bandbredd $b = 2 \cdot (\Delta f_{\max} + f_{LF\max})$
 $= 2 \cdot \Delta f_{\max} + 2 \cdot f_{LF\max}$
 $= 2 \cdot 3 \text{ kHz} + 2 \cdot 3 \text{ kHz}$
 $= 6 \text{ kHz} + 6 \text{ kHz}$
 $= 12 \text{ kHz}$