(a) Single-carrier modulation (SCM)

Adjacent
$$S_0$$
 S_1 S_k S_{M-1} Adjacent channel

 f_0 f_1 f_k f_{M-1}

(b) Multi-carrier modulation (MCM)

 $S_0, S_1, \ldots, S_k, \ldots, S_{M-1}$

Adjacent

channel

Adjacent

channel