In Frequency-Shift Keying (FSK) modulation, when two bits are encoded within a single symbol, there are a total of four distinct combinations of bits that are possible. For each of these combinations, a specific frequency is assigned as shown in the given figure.

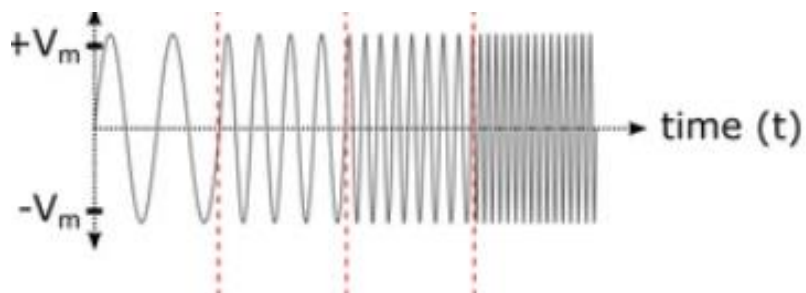Similarly, in Amplitude Shift Keying, specific amplitudes are assigned to each combination.
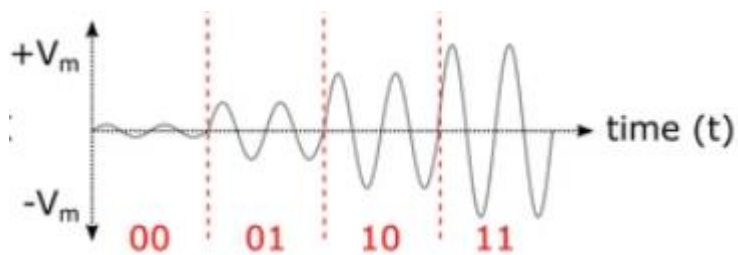

Fig.1 FSK

Fig.2 ASK