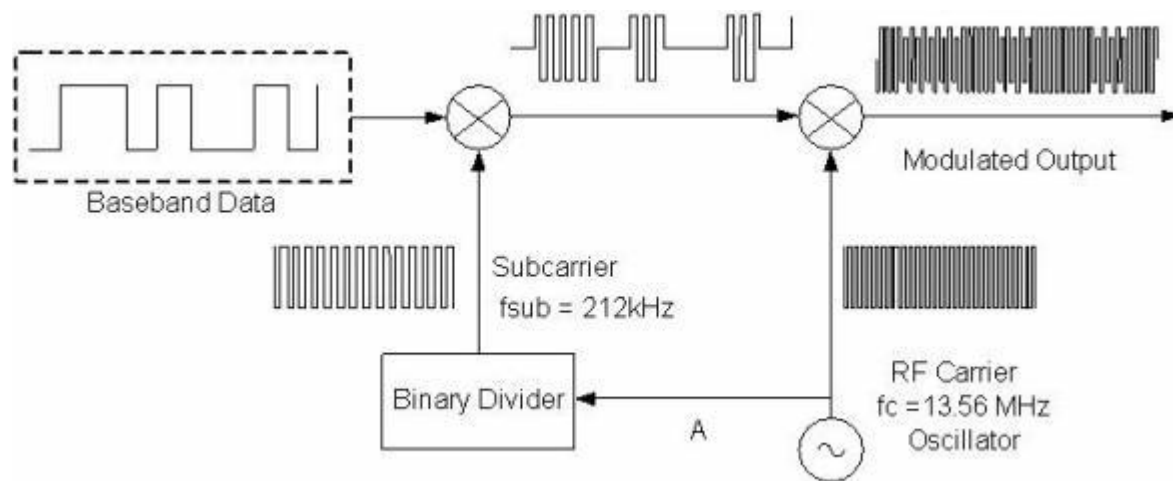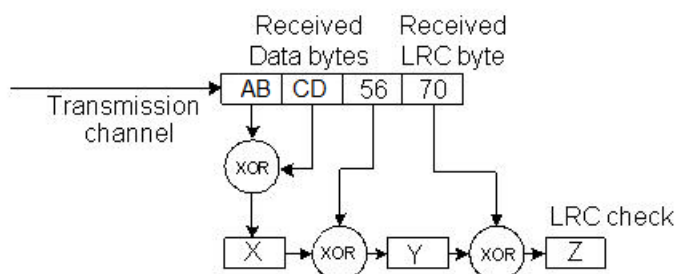**Tutorial 02**

MCQ No. 2

You can refer to the above picture as an example for subcarrier modulation. Since we are using the binary divider of $2^6 = 64$ from 13.56 MHz carrier to produce the subcarrier. Hence, the frequency of should be 212 kHz in the above example.

MCQ No. 9

The following is an example of XOR for (AB)$_{hex}$ and (CD)$_{hex}$ for the above diagram.

(AB)$_{hex}$ → (10101011)$_2$

XOR

(CD)$_{hex}$ → (11001101)$_2$

↓

(66)$_{hex}$ ← (01100110)$_2$