

Distinguish, differentiate, compare and explain what is the difference between ASK and FSK modulation techniques. Comparison and Differences.

## **Difference between ASK and FSK Modulation Techniques**

1. The short form of Amplitude Shift Keying is referred as ASK. The short form of Frequency Shift Keying is referred as FSK.
2. ASK refers to a type of amplitude modulation that assigns bit values to discrete amplitude levels. FSK refers to a type of frequency modulation that assigns bit values to discrete frequency levels.
3. ASK is the digital modulation technique in which amplitude of the RF carrier is varied in accordance with baseband digital input signal. FSK is also digital modulation technique in which frequency of the RF carrier is varied in accordance with baseband digital input.
4. In ASK, binary 1 will be represented by carrier signal with some amplitude while binary 0 will be represented by carrier of zero amplitude(i.e. no carrier). In FSK, binary 1 and 0 is represented by two different carrier frequencies for example binary 1 is represented by high frequency  $f_1$  and binary 0 is represented by low frequency  $f_2$ .