The traditional FHSS [3] does not provide higher security against jammer because it uses fixed hopping pattern. If the transmitter is hopping the frequency at a faster rate, it results reduction in throughput because of channel switching. Also both the transmitter and receiver should pre-share the fixed hopping sequence in the presence of jammer

**Eavesdropping** is an attack that is used by an unintended receiver to intercept a message from others. Eavesdropping is a passive attack as the normal communication is not affected by eavesdropping, as shown in Fig. 5a. Due to the passive nature, eavesdropping is hard to detect