**ABSTRACT**

New technologies have emerged which enable power efficient communication over very long distances. Examples of such Low-Power Wide-Area Network (LPWAN) technologies.A typical application scenario for these technologies is city where devices send readings at very low frequency over a long distance to a data concentrator (one-hop networks).LoRa (Long Range) is a technique that enables the long-range transfer of information with a low transfer rate. This paper presents a review of the challenges and the obstacles of Interference concept with emphasis on the LoRa technology. Along with that the demand for low-power and long-range, large amount of data transmission arises. However, there has been no such communication technology to satisfy the transmission. The Wi-Fi is able to send large amounts of data but because of high power consumption, it has to use firm power. The LoRa technology is available for long-range and low-power communication.