

1.2. Operation Description

The EUT is a Z-wave Series with a built-in transceiver module. The EUT operation frequency is 908.42MHz. The signals modulated by FSK are transmitted from the Monopole Antenna of the EUT.

The Motion Detector is designed with dual detecting mode: Security Mode and Home Automation Mode. In security mode, the detector can be used as a security device to detect movements only in protected area by detecting changes in infra-red radiation levels (e.g. when a person moves within or across the devices field of vision, a trigger radio signal will be transmitted). In home automation mode, the detector can be used to detect movements in protected area as well as darkness in ambient illumination by detecting changes in percentage of lux level (e.g. once night falls, the percentage of ambient illumination is lower than preset value, and a person moves within or across the devices field of vision, a trigger radio signal will be transmitted).