

## 1.2. Operational Description

The EUT is a Industrial ZigBee module, The Number of the channels is 15 in 2405~2475MHz, The device adapts the OQPSK modulation, The Antenna is Dipole Antenna.

IEEE Std 802.15.4 defines the physical layer (PHY) and medium access control (MAC) sublayer specifications for low-data-rate wireless connectivity with fixed, portable, and moving devices with no battery or very limited battery consumption requirements typically operating in the personal operating space (POS) of 10 m.

ZigBee applications include:

- Home and office automation
- Industrial automation
- Medical monitoring
- Low-power sensors
- HVAC control
- Plus many other control and monitoring uses