

Operational description of the Zigbee transceiver

Visonic's Zigbee transceiver consist of two chips:

EM-357- high performance Integrated Zigbee /802.15.4 system-on-chip and 2.4GHz

Transmit / Receive Front-End chip SKY-65336.

In transmit mode RF signal from EM-357 come to input of Front-End SKY-65336 Power amplifier. From output of the SKY-65336 signal pass over harmonic filter and come to integrated antenna.

In receive mode RF signal from antenna come to LNA input of Front-End and after to Receiver of EM-357.

Transceiver work from Lithium batteries 3V and have a reverse voltage protection (back battery).