

Theory of Operation

Receive mode

The TAG receives information in frequency hopping mode between 2.402 – 2.480 GHz and transmits every 1-second. Audio alarm beep and Infra Red Indication.

Transmit mode

Test mode - The TAG transmit in frequency between 2.402 – 2.480 GHz random data in the maximum data rate.

Normal operation mode - The TAG transmit in frequency hopping mode between 2.402 – 2.480 GHz, the transmit period is 0.625 m sec every 1.28 sec.

Radiated and Conducted test

A notebook computer with Bluetooth module sends "Inquiry" message to The EUT. The EUT replays back a confirmation message when it receives the message .The received confirmation message can be watched on the notebook screen .The complete cycle of receive and transmit takes about 3 seconds and it repeated continuously.