## **Operational Description of the equipment**

The EUT is the transmitter part of a chest transmitter which can detect eartbeat automatically when on the body. The detailed circuit function are described as below:

| PRODUCT           | SYSTEM 122   |
|-------------------|--|
| MODEL NO.         | ZT1CSC   |
| POWER SUPPLY      | DC 3.0V from Lithium battery                             |
| CABLE             | N/A  |
| I/O PORT          | N/A  |
| FREQUENCY BAND    | 9kHz - 490kHz  |
| EMITTED FREQUENCY | 122kHz   |
| NUMBER OF CHANNEL | 1  |
| CHANNEL SPACING   | 0  |
| RF OUTPUT POWER   | 31nW   |
| MODULATION TYPE   | Pulse  |
| ANTENNA TYPE      | Coils wound on ferrite cores and soldered to transmitter |
| ANTENNA GAIN      | 0dBi   |
| RANGE             | Up to 80cm (31.5 inches) to monitor                      |
| BATTERY LIFE      | Approximately 2 years when used 60 min/day               |

## **NOTE:**

1 Moisten the rubber electrodes on the underside of the belt as shown. Water or saliva can be used.



- The transmitter should be positioned next to your skin with the Logo facing forwards in the middle of the chest, just below the breast.
- 3 The EUT can detect heartbeats and filter signals, then transmit signals to receiver part by self-oscillating transmitter circuit (EUT).