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Holtek Preliminary BC3603 PER-Demo Instruction Manual

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Hardware Introduction

Terminal of master is made up of BCE-GENTRX32-002 and BCT-3603-X01
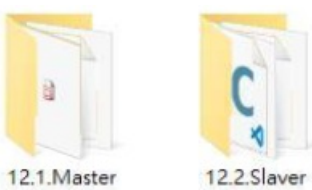
Picture.1 hardware of master

Terminal of slaver is made up of BCE-GENTRX32-002 and BCT-3603-X01

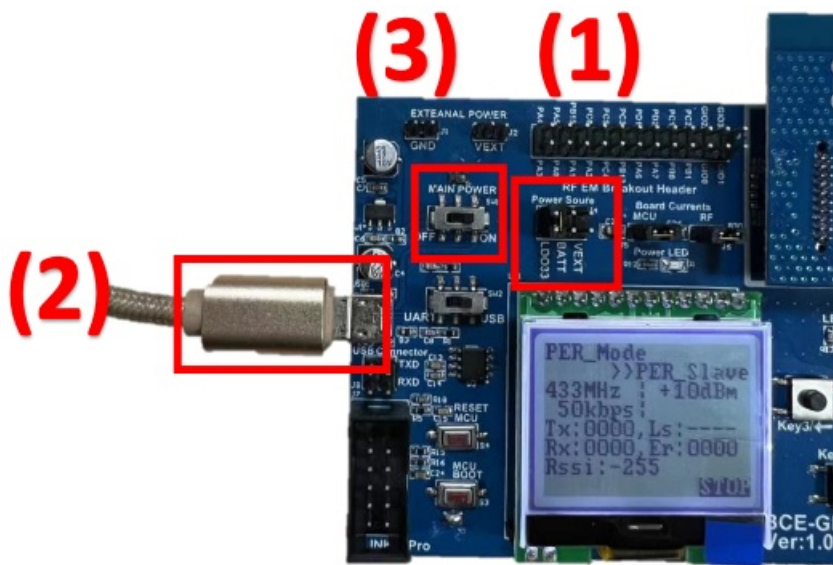

Picture.2 hardware of slaver

Software

This operation manual is used with the following demo codes:

Picture.3 demo code files

Power On Procedure

1. At first, please select power supply mode from "Power Source".
2. Connect the power supply interface.(For example by using USB interface)
3. Slide the main power switch.

Picture.4 power on procedure

Power-on State

After the demo board is powered on:

1. The Power LED will be steady work.
2. The LCM will display some parameter values, such as TX values, RX values and ERROR values.

Tx: count value of RF successfully transmit
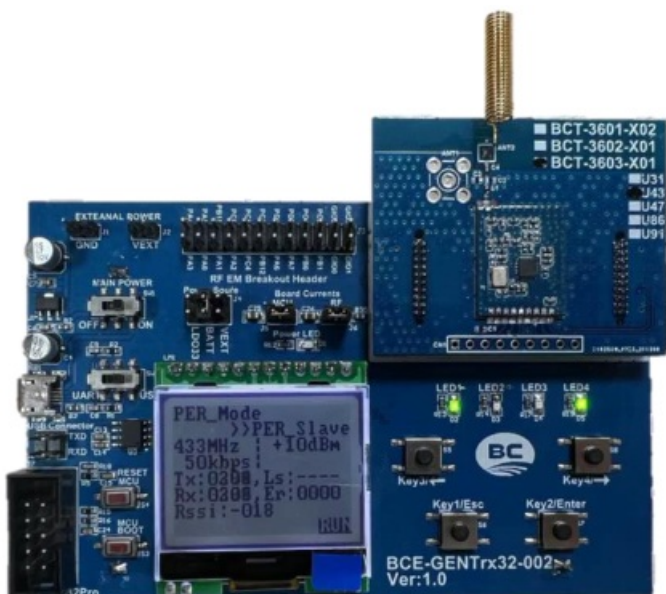Ls: count value of RF failed transmit
Rx: count value of RF successfully receive
Er: count value of RF failed receive
Rsii: count value of RF RSSI detected when RF receive

Operation procedure

1. Press any button (key1~4) on the slaver board to start PER-Slaver function. After the function startup is
   successful, LCM will display "ON" and the system will being stand-by to wait signal from PER-Master.

Picture.5 slaver is started

2. Press any button (key1~4) on the master board to start PER-Master function. After the function startup is successful, LCM will display "ON" and the system will send data by sub-1GHz RF module. LCM will update and display parameter values (TX,LS,RX,ER,PER). LED will blink to indicate TX or RX successful.

Picture.6 master is started

Documents / Resources

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Preliminary BC3603 PER-Demo, BC3603 PER-Demo, PER-Demo, Demo

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