Circuit Description

The EUT was used the PC to control the Bluetooth module to choose the GSM module or the UHF module. When the comments was used to PC by the software, we known that the product have three RF transmitter modules for Bluetooth, GSM and UHF Radio modem for Licensed Non-Broadcast Station. The module for Bluetooth seeks the other device or keep the connection with at any time. The other two modules for GSM and UHF Radio modem will operate exclusively because these modules are used for the same purpose. The GSM module receives the reference data from RTK network on the Rover mode of the product. The UHF Radio modem transmits RTK corrections on the Base mode of the product and receives it on the Rover mode. Also the UHF Radio modem only receives the radio on the Rover mode. The operation mode (Base or Rover) of this product is selected by the software exclusively. In Rover mode, GSM or UHF modem is selected by the software exclusively. Therefore the modules for GSM and UHF Radio modem do not operate at the same time.