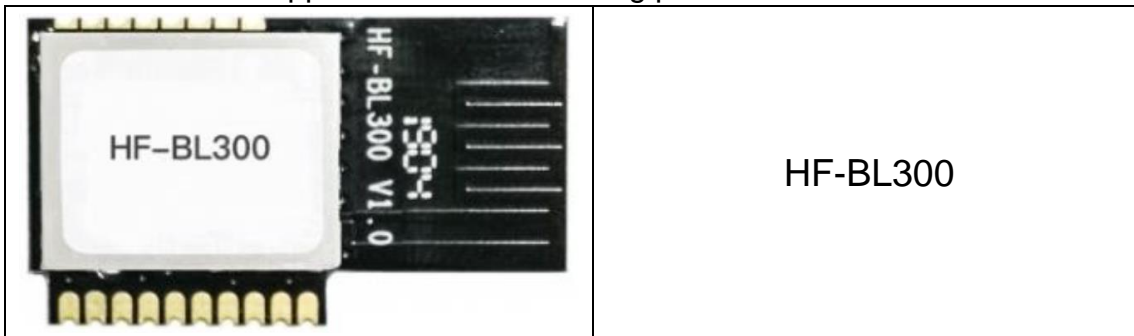


Operation Guide

HF-BL300

This document is applicable for the following product.



Catalogue

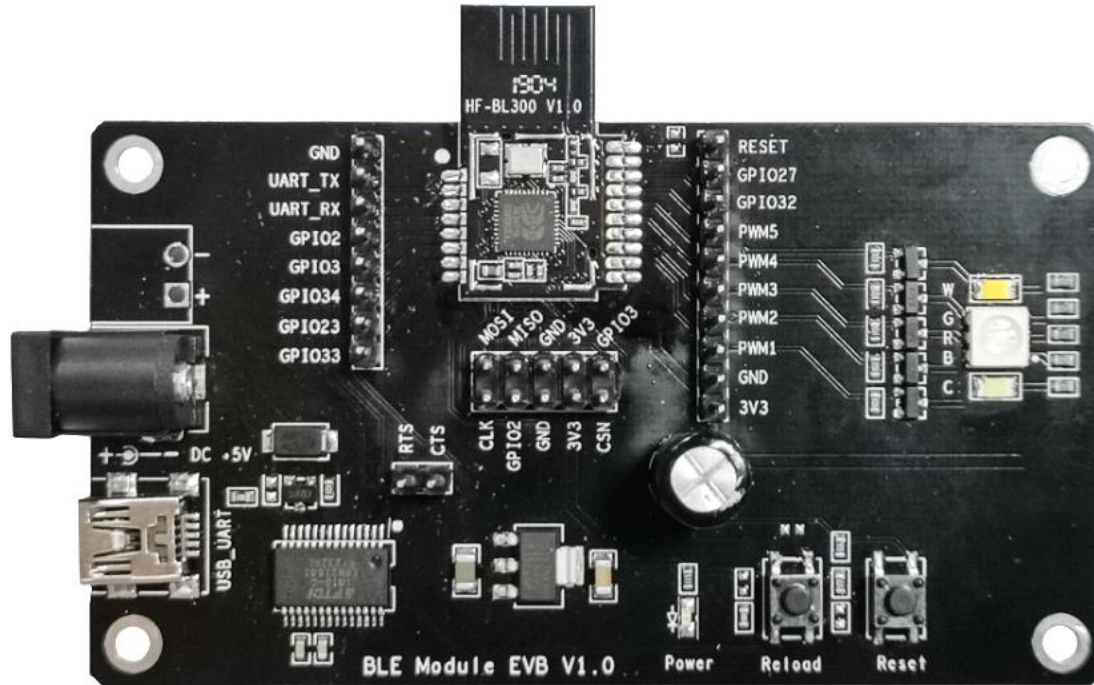
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1. HF-BL300 Module

This document take HF-BL300-1 EVB as example

1.1. HF-BL300 EVK

HF-BL300 EVK is as following.



Use USB cable to connect to EVB for communication test.

2. UART TOOLS

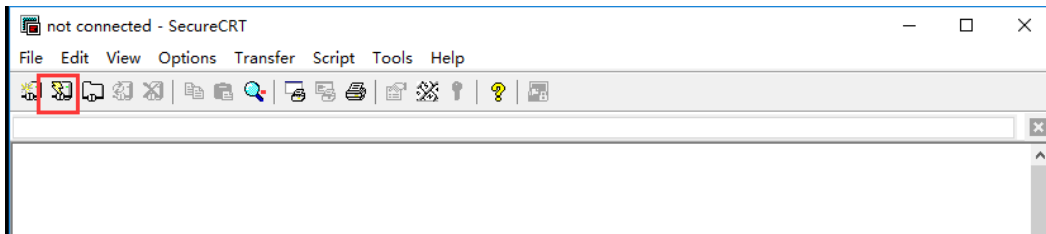
2.1. SecureCRT

Download address:

<http://www.hi-flying.com/download-center-1/applications-1/download-item-securecrt>

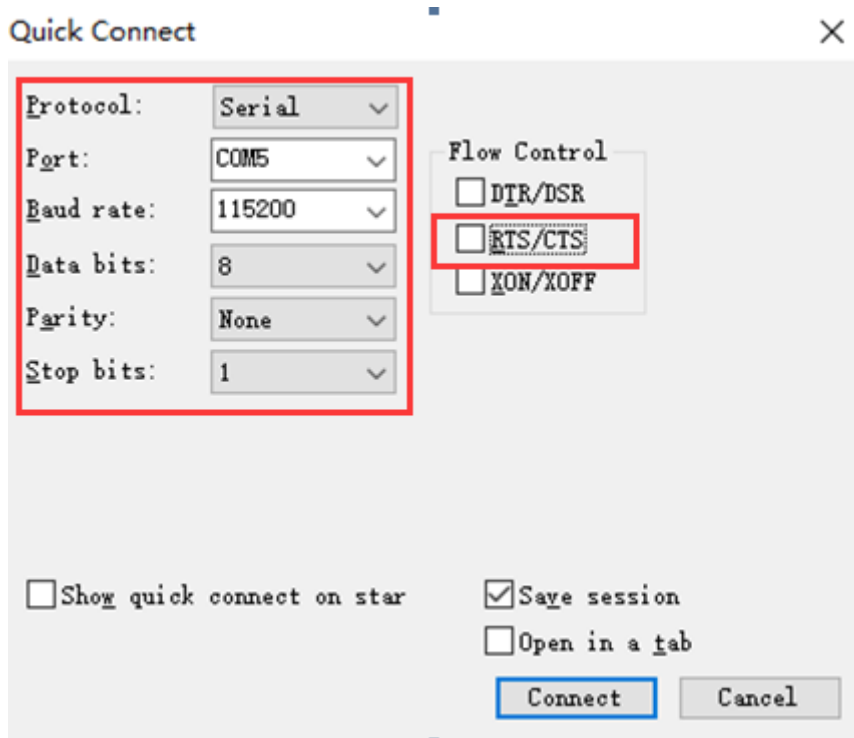


, click Quick Connect icon,



2.2. UART PARAMETERS

Set UART parameters



3. HF-BL300 Module Test

3.1. AT Command

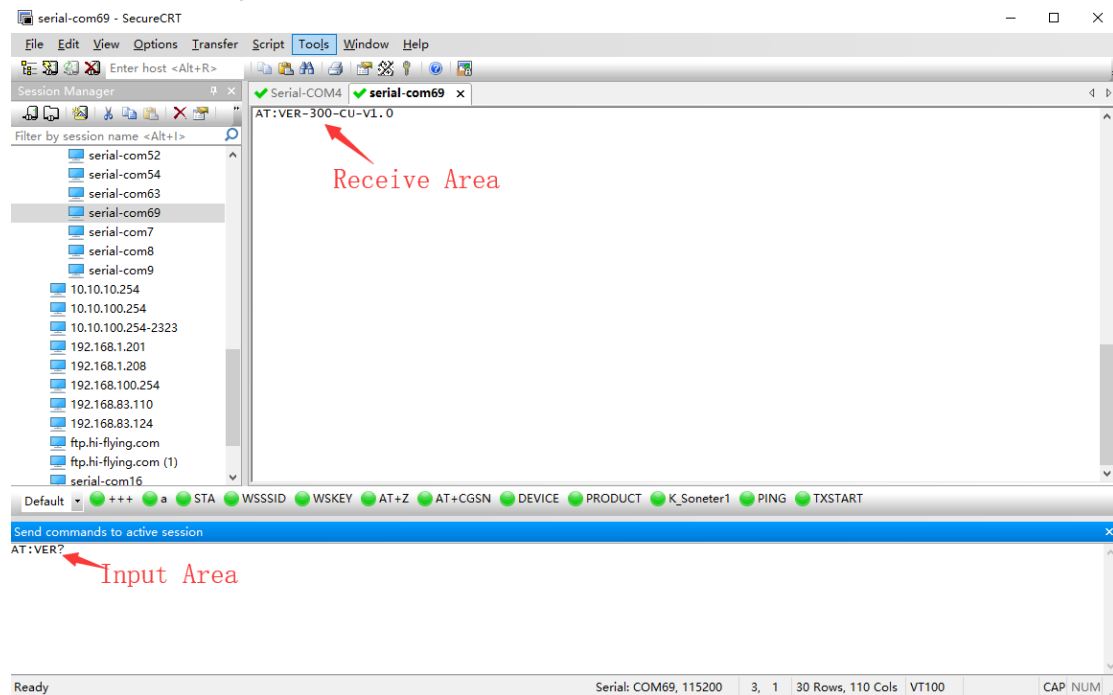
Step1: Connect USB to PC and install the following driver.

<http://www.hi-flying.com/download-center-1/applications-1/driver-ft232r>



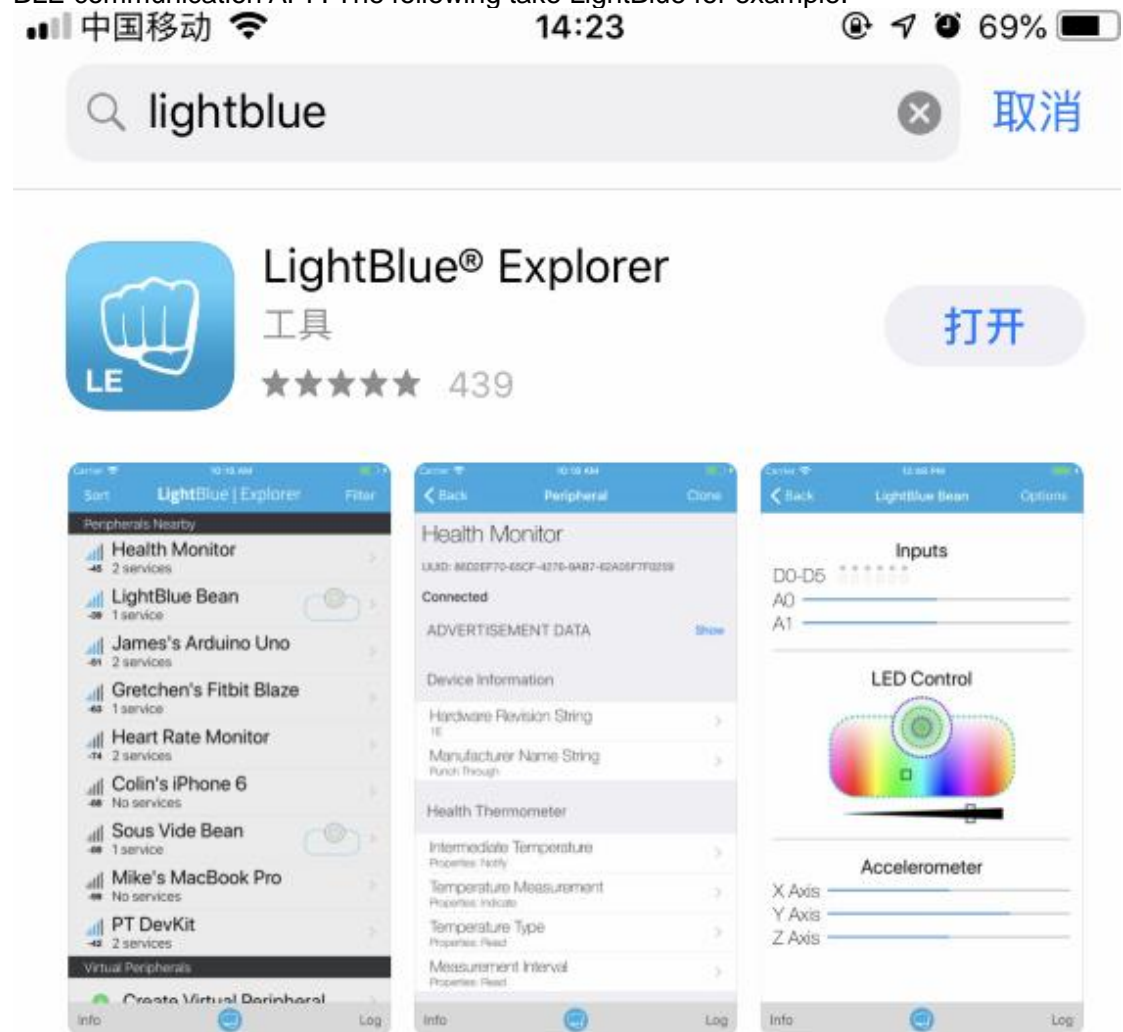
Step 2: Open SecureCRT and set UART parameters.

Step 3: Input the command in the input area and it will show the response on the output area as following picture.

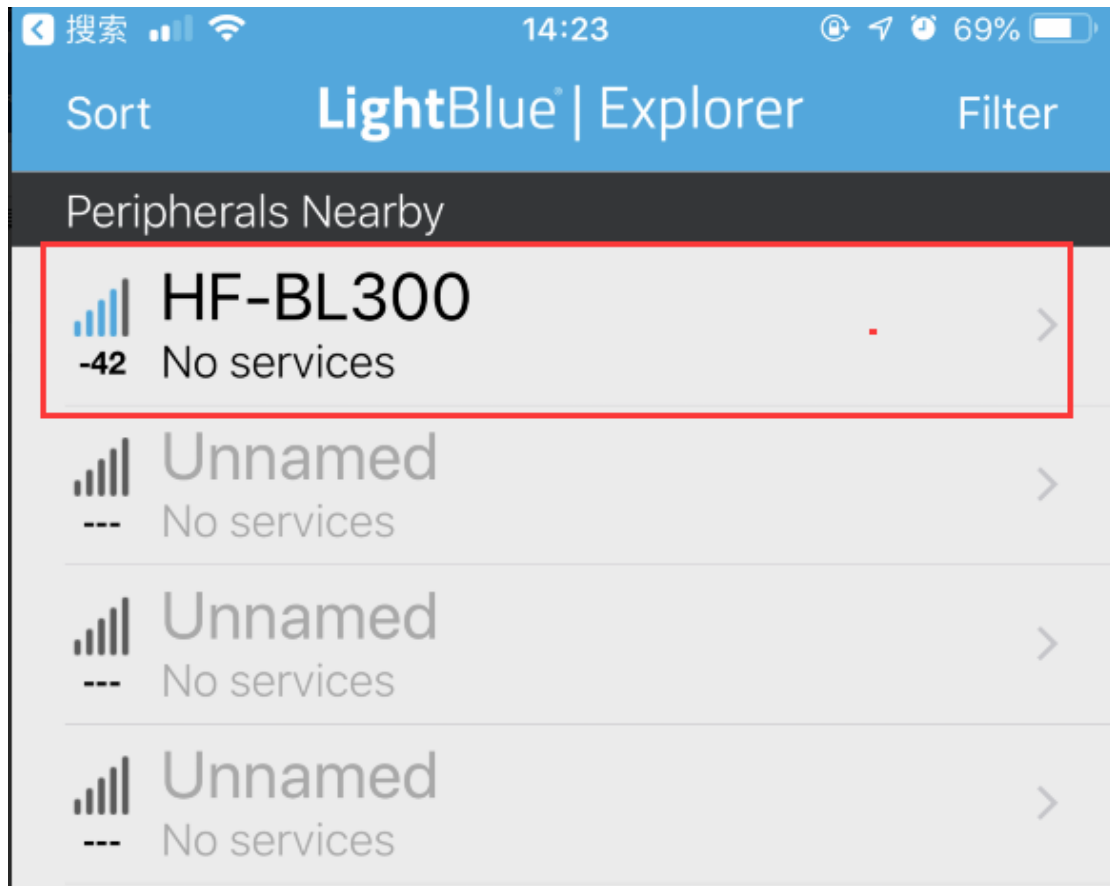


3.2. Test Case One: Throughput

Download LightBlue in IOS appstore or CySmart for Android . May also use other BLE communication APP. The following take LightBlue for example.



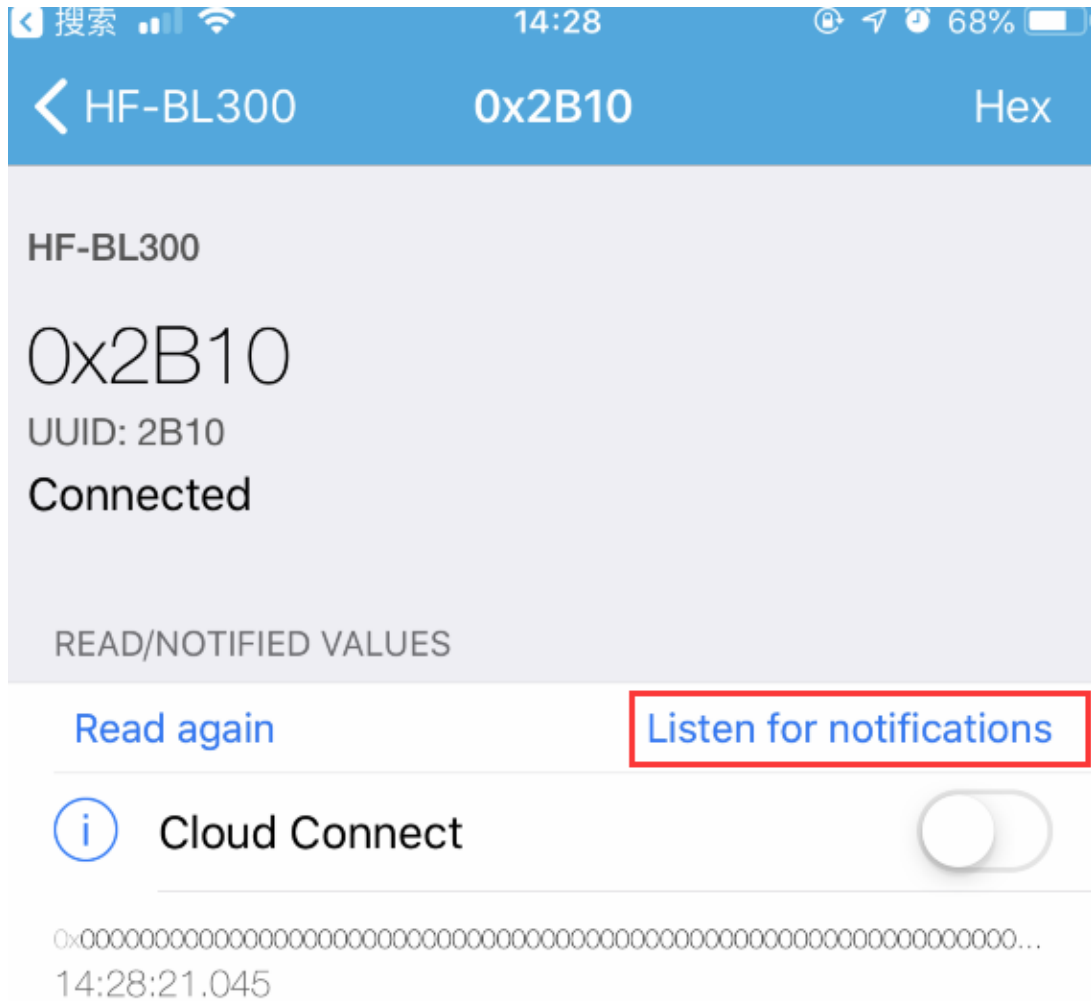
Step 1: Open LightBlue and connect HF-BL300.



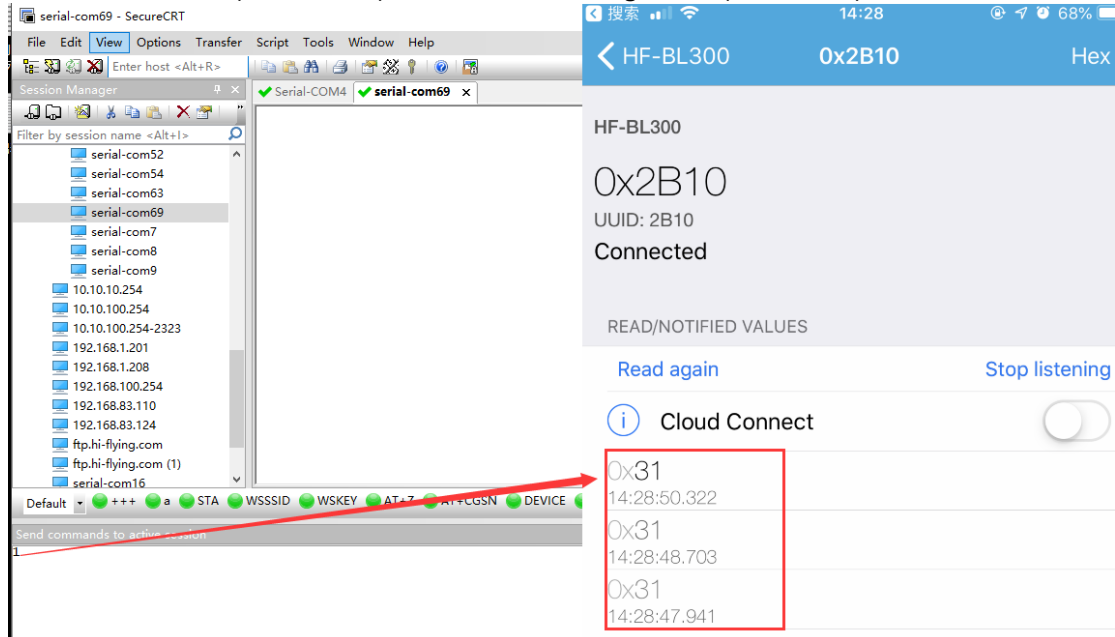
Step 2: Click the following UUID to read UART data.



Step 3: Click Listen For notifications to show the received UART data.



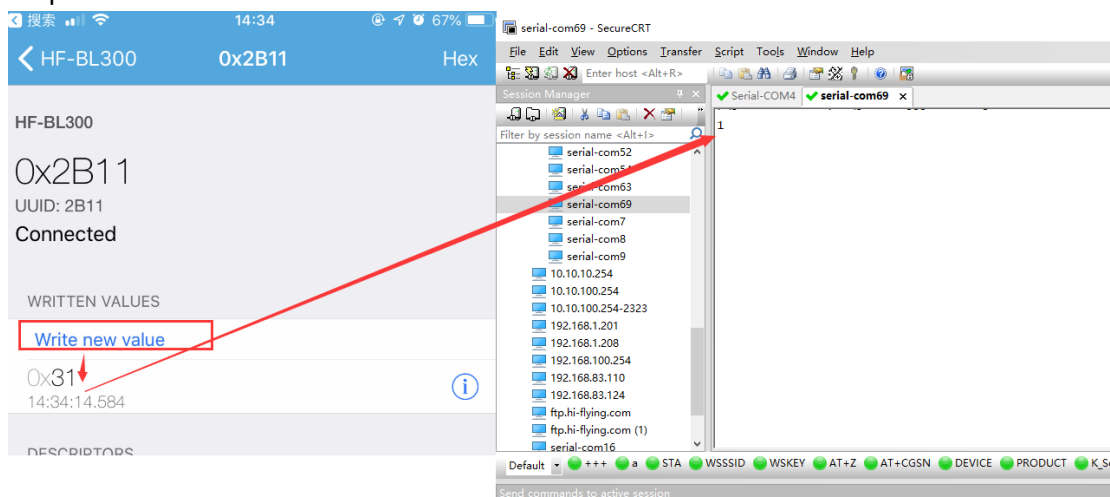
Send UART data "1"(Ascii format) to module, and APP got 0x31(hex format)



Step 4: Click the following UUID to send UART data.



Step 4: Click Write new value to send data.

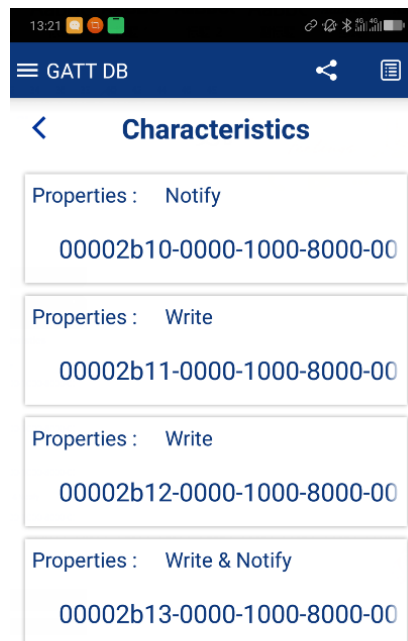


Test case for Cysmart APP is as following.

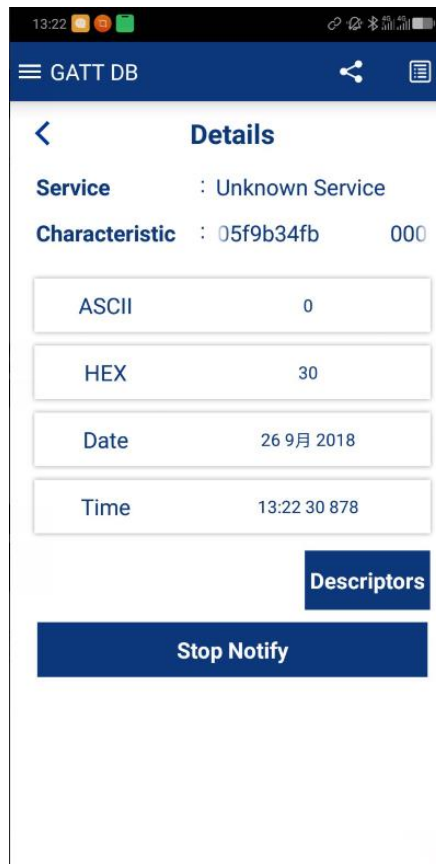
Step 1: Open APP and connect to module. Select 2b00 service.



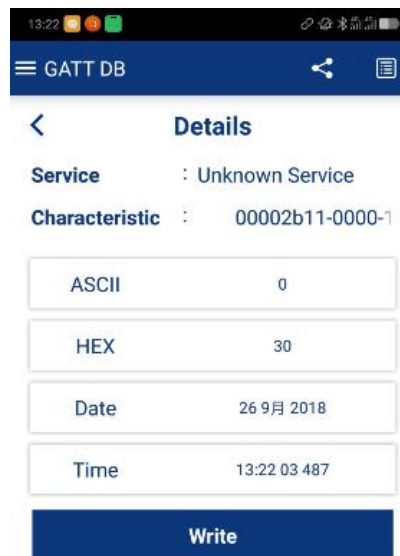
Step 2: There is four data characteristics from 2b00 to 2b13.



Step 3: Choose 2b10, click notify and then it will print any data received from the module by UART.



Step 4: Choose 2b11, and click write to send data to module. The module UART output ASCII “0”。

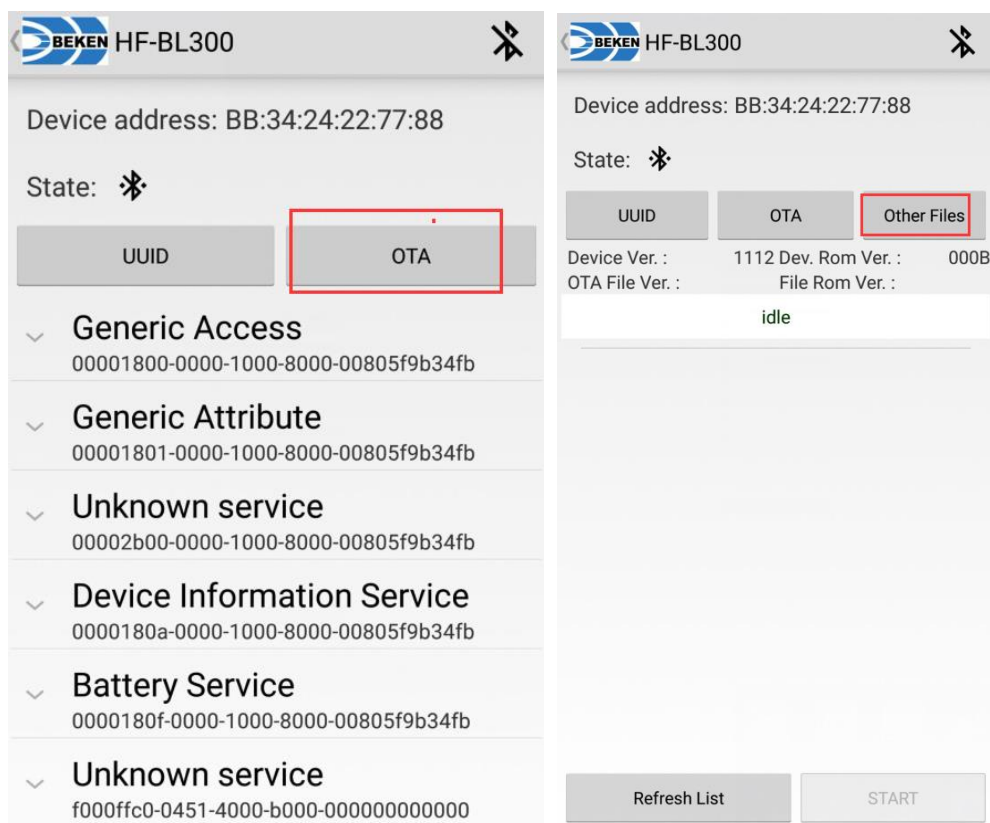


3.3. OTA Upgrade

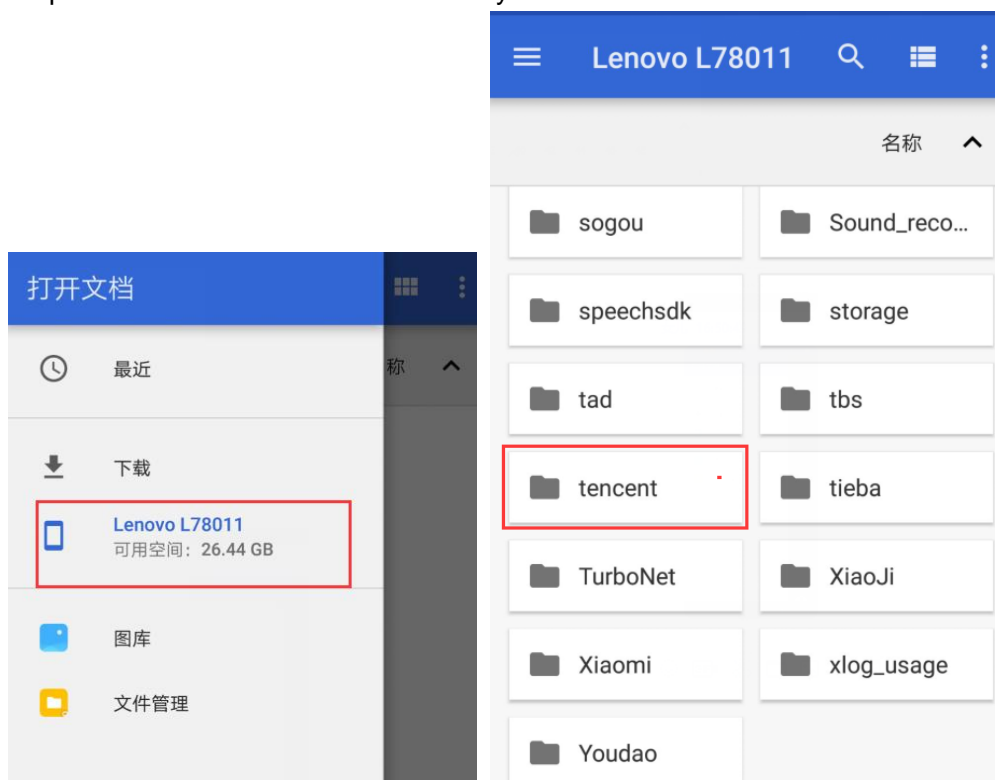
Step 1: Install Beken_RC_OTA_V3.0.APK software, and send OTA firmware to QQ or other software.

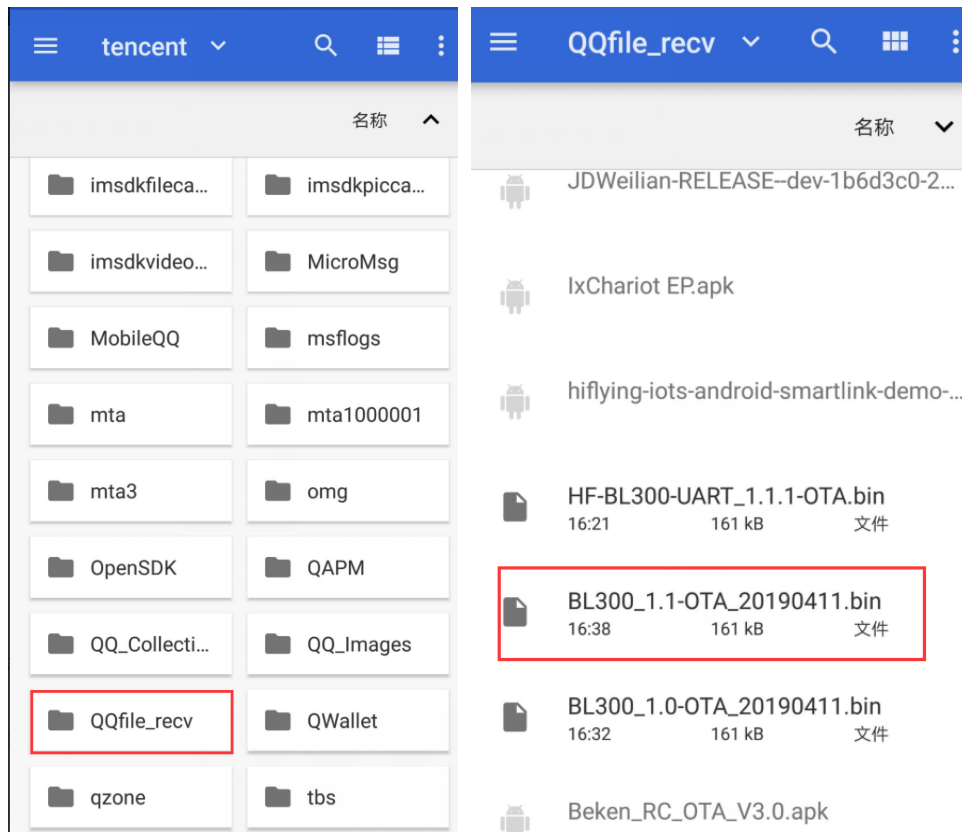


Step 2: Click OTA button then Other Files button.



Step 3: Find the firmware saved directory





Step 4: When APP find new version, click Full OTA to upgrade.

