

# FW3817-30 Module Test Mode Setting Guide

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# **1** Introduction

The document clearly introduce how to make the FW3817-35 module enter the RF Analyzer Mode and Test Mode.

# **2** Operational Description

## **2.1 Tool Installation**

Install the Bluesuite2.5.exe with the default setting and change nothing. Then restart the PC when we complete the tool installation.

## 2.2 Connecting Ways

#### 1).Requirement:

PC, the controlling board, USB cables who supports data transmission.

#### 2).the controlling board connected:

Refer to the follows picture:





#### **3).the connecting net definition:**

The Bluetooth Module	The Controlling Board
GND	GND
VDD	3V3
CLK	CLK
MISO	MISO
MOSI	MOSI
CSB	CSB

## 2.3 Make the bluetooth module enter the test mode

#### 1).Enter the RF Analyzer Mode:

A). Open the Bluetest3 tool whose patch is C:\Program Files\CSR\BlueSuite 2.4. Choose the right Transport and Port.





Transport	Dialog			X
<u>H</u> istory				
Transport	SPI		•	ок
Port	USB SPI	(215894)	<b>v</b>	Cancel

- B). Choose the"TXSTART" and click the" Execute".
- C). Record the output power value.

BlueTest		
Test Mode PAUSE RADIO STATUS RADIO STATUS FULL TXSTART TXDATA1 TXDATA2 TXDATA2 TXDATA3 TXDATA4 PXSTART1	Frequency range: from 2   Test Arguments   LO Freq. (MHz)   Power (Ext,Int)   255   50   Modulat'n Freq.	2402~2480MHz Close Execute Cold Reset Warm Reset PS
Save to File Browse .\logfile.txt Opening \\.\com1. Cannot find BlueCore. Transport active. Link active. BC5 (Hardware ID e1) firmw	Test Results for file Display: Standard are version 5949.	Bit Error

#### 2).Enter the test mode

A).Click the "Warm Reset", then reset the bluetooth module.



🔄 BlueTest 3		
Test Mode	Test Arguments	Close
PCM EXT LB STEREO CODEC LB SETTLE PCM TONE		Execute
PCM TIMING IN CTS RTS LB ENABLE DUT MODE		Cold Reset
Read PIO		Warm Reset
Test Results	wse for file Display : 🕟 Standard	C Bit Error
. \logfile. txt		
Opening LPT1. Transport active. BC6 Offardware ID 0xE3) firmwan Sent Command Varid 5004, para Set Device Under Test Mode su	re version 7219. neters: 003A 0000 0000 0000 0000 0000 ccessful @evice made connectable)	

- B). Choose the "ENABLE DUT MODE", and click the "Execute".
- C).Record the BQB result.

#### **Record of Changes**

Data	Revision	
2011-5-20	V1.0	Original publication of this document.

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