

# FSC-BT826

## 4.2 Dual Mode Bluetooth Module Data Sheet

Document Type: FSC-BT826  
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### Contact Us

**Shenzhen Feasycom Co., LTD**

Email: [sales@feasycom.com](mailto:sales@feasycom.com)

Address: Rm 508, Building A, Fenghuang Zhigu, No.50, Tiezai Road, Xixiang, Baoan District, Shenzhen, 518102, China  
Tel: 86-755-27924639

## Release Record

| Version Number | Release Date | Comments   |
|----------------|--------------|--|
| Revision 1.0   | 2014-11-5    | First Release  |
| Revision 1.1   | 2015-09-09   |  |
| Revision 1.2   | 2016-03-24   | 1, Modified BT Status for 33 pin,<br>2, Modify the application circuit diagram.  |
| Revision 1.3   | 2016-04-16   | 1, Modify the Pin 9 ,10 , 14, 16 ,<br>17,28,31 function definition.<br>2, Modify the application circuit diagram.<br>3, This version of the specification is<br>applicable to V1.2 version of the PCB. |
| Revision 1.4   | 2016-08-06   | 1, PIN27 Alternative Function :BT Power<br>Mode<br>2, Modify the application circuit diagram.  |
| Revision 1.5   | 2018-05-10   | Modify Bluetooth Version: Upgrade from<br>BT4.0 to BT4.2   |
| Revision 1.6   | 2019-08-29   | Add certificate picture  |
| Revision 1.7   | 2019-10-18   | Feature update   |
| Revision 1.8   | 2020-04-30   | Increase power consumption parameters  |
| Revision 1.8.1 | 2022-08-26   | Change the operating temperature: 0°C to<br>+70 °C   |

## 1. INTRODUCTION

FSC-BT826 is a fully integrated Bluetooth module that complies with Bluetooth 4.2 dual mode protocols (BR/EDR/BLE). It supports SPP, BLE, ANCS, iBeacon, profiles. It integrates Baseband controller in a small package (Integrated chip antenna), so the designers can have better flexibilities for the product shapes.

FSC-BT826 can be communicated by UART port. With Feasycom's Bluetooth stack, Customers can easily transplant to their software. Please refer to Feasycom stack design guide.

### 1.1 Block Diagram

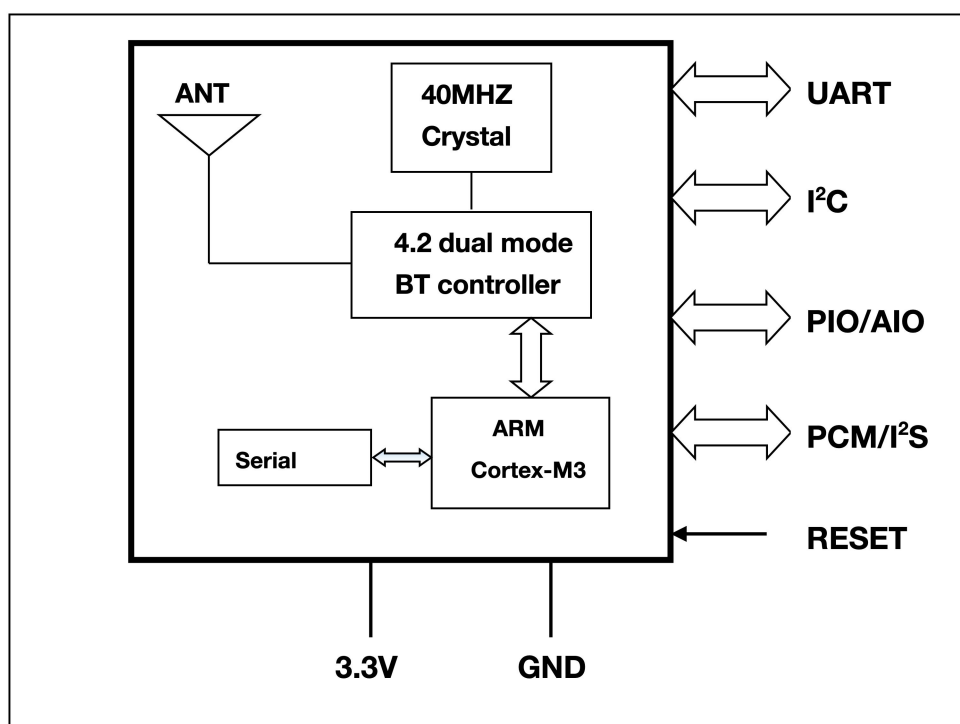


Figure 1

## 1.2 Feature

- ◆ Fully qualified Bluetooth 4.2/4.0/3.0/2.1/2.0/1.2/1.1
- ◆ Postage stamp sized form factor.
- ◆ Low power.
- ◆ Class 1.5 support (high output power)
- ◆ The default UART Baud rate is 115.2Kbps and can support from 1200bps up to 921Kbps,.
- ◆ UART, I<sup>2</sup>C, PCM / I<sup>2</sup>S data connection interfaces.
- ◆ Support the OTA upgrade.
- ◆ Bluetooth stack profiles support: SPP, HID, MAP, and all BLE protocols.
- ◆ BQB, SRRC, ROHS and Airsync Certified.
- ◆ Power Consumption In Working Mode (VDD\_3V3 at 3.3 V)
  - Discoverable: 18.5mA
  - BR/EDR Connection: 22.4mA
  - LE Connection: 17.9mA
  - BR/EDR Connection @ 115200bps: 23.4mA

## 1.3 Application

- ◆ Smart Watch and Bluetooth Bracelet
- ◆ Health & Medical devices
- ◆ Wireless POS
- ◆ Measurement and monitoring systems
- ◆ Industrial sensors and controls
- ◆ Asset Tracking

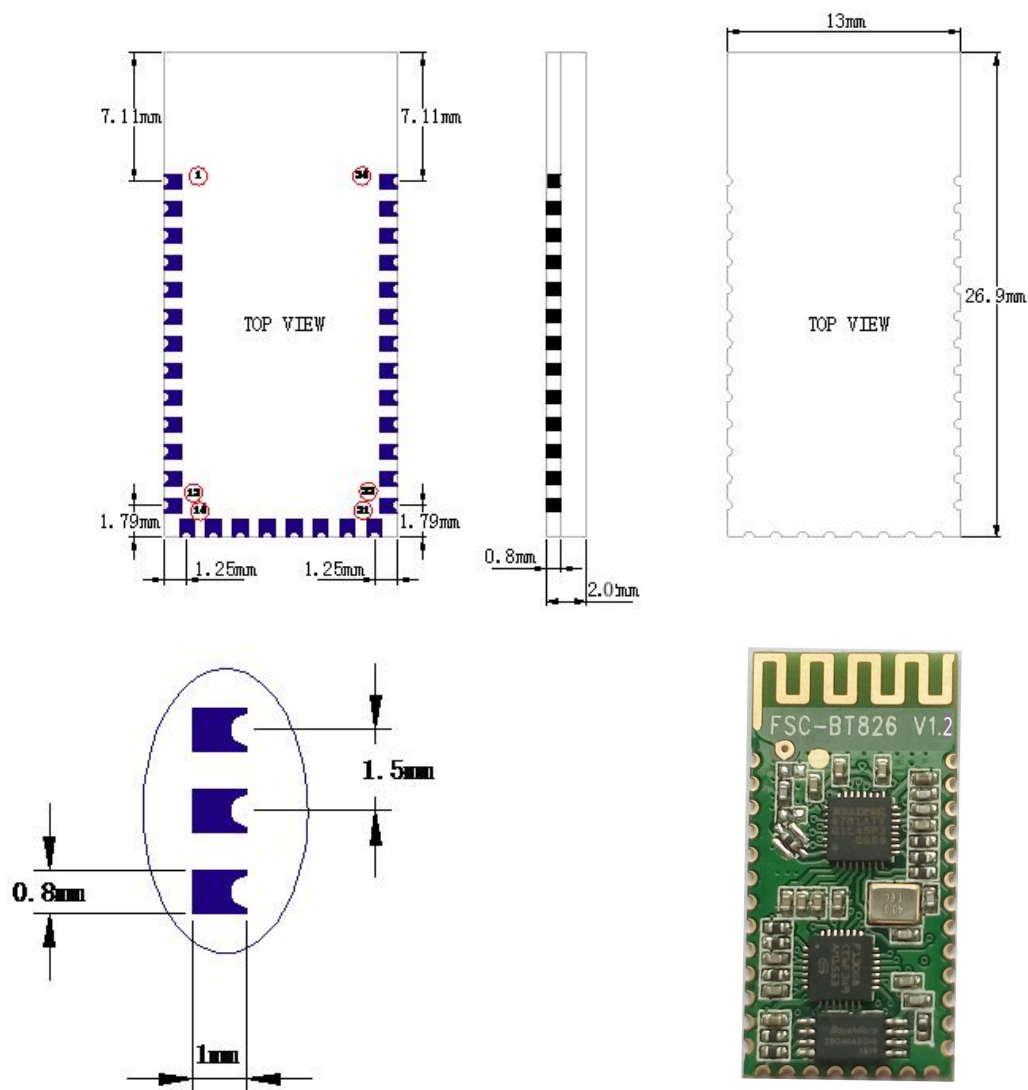
## 2. GENERAL SPECIFICATION

| General Specification   |  |
|-------------------------|--|
| Chipset                 | Realtek RTL8761  |
| Product                 | FSC-BT826  |
| Dimension               | 13mm x 26.9mm x 2mm  |
| Bluetooth Specification | Bluetooth V4.2 (Dual Mode)   |
| Power Supply            | 3.3 Volt DC  |
| Output Power            | 5.5 dBm  |
| Sensitivity             | -82dBm@0.1%BER   |
| Frequency Band          | 2.402GHz -2.480GHz ISM band  |
| Modulation              | FHSS,GFSK,DPSK,DQPSK   |
| Baseband Crystal OSC    | 40MHz  |
| Hopping & channels      | 1600hops/sec, 1MHz channel space,79 Channels(BT 4.2 to 2MHz channel space)           |
| RF Input Impedance      | 50 ohms  |
| Antenna                 | Integrated chip antenna  |
| Interface               | Data: UART, I <sup>2</sup> C, PCM / I <sup>2</sup> S                                 |
| Profile                 | SPP, GATT(BLE Standard)<br>MFI,Airsync,ANCS, iBeacon,<br>MAP(optional),OTA(optional) |
| Temperature             | 0°C to +70 °C  |
| Humidity                | 10%~95% Non-Condensing   |
| Environmental           | RoHS Compliant   |

Table 1

### 3. PHYSICAL CHARACTERISTIC

FSC-BT826 dimension is 26.9mm(L)x13mm(W)x2mm(H).



**Figure 2: Package Dimensions (TOP VIEW)**

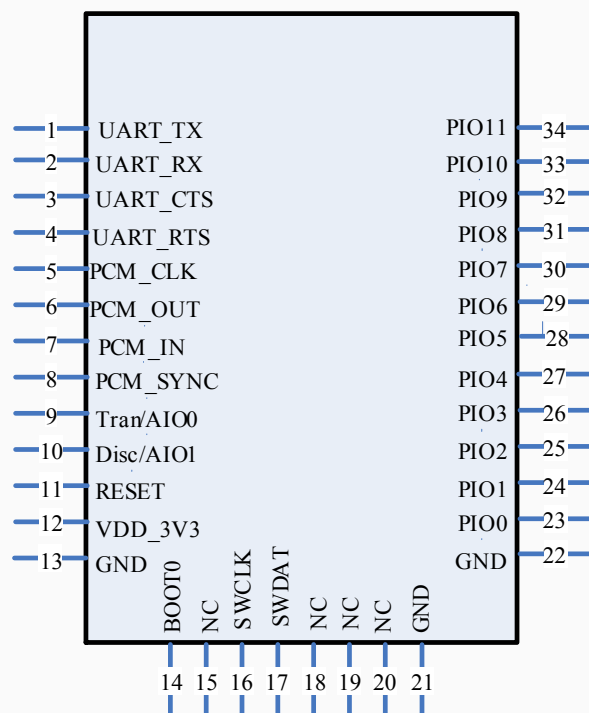
## 4. PIN DEFINITION DESCRIPTIONS

\* **Special tips:** PIO0,PIO1,PIO2,PIO3 I/O port for reuse.

When using the OTA function upgrade (air), please send the I/O mouth dangling;

If the I/O port to connect the MCU,

then set the MCU I/O ports for the input port or high impedance state.



**Figure 3:** PIN description

| Pin | Pin Name | Pad Type       | Description   |
|-----|----------|----------------|---|
| 1   | UART_TX  | CMOS output    | UART data output  |
| 2   | UART_RX  | CMOS input     | UART data input   |
| 3   | UART_CTS | CMOS input     | UART clear to send active low<br>Alternative Function: Programmable input/output line   |
| 4   | UART_RTS | CMOS output    | UART request to send active low<br>Alternative Function: Programmable input/output line |
| 5   | PCM_CLK  | Bi-directional | Synchronous data clock  |
| 6   | PCM_OUT  | CMOS Output    | Synchronous data output   |
| 7   | PCM_IN   | CMOS Input     | Synchronous data input  |

|    |           |                |  |
|----|-----------|----------------|--|
| 8  | PCM_SYNC  | Bi-directional | Synchronous data Sync  |
| 9  | Tran/AIO0 | I/O            | Host MCU change UART transmission mode. (Default)<br>Alternative Function: Analogue programmable I/O line.                                   |
| 10 | Disc/AIO1 | I/O            | Host MCU disconnect bluetooth. (Default).<br>Alternative Function: Analogue programmable I/O line.   |
| 11 | RESET     | CMOS input     | Reset if low. Input debounced so must be low for >5ms to cause a reset.  |
| 12 | VDD_3V3   | VDD            | Power supply voltage 3.3V  |
| 13 | GND       | VSS            | Power Ground   |
| 14 | BOOT0     | Bi-directional | The default is low. (internal 10K resistance drop)<br>UART DFU Mode, Enabled at startup when set to high level, Disabled by default          |
| 15 | NC        | NC             | NC   |
| 16 | SWCLK     | Bi-directional | Debugging through the clk line(Default)  |
| 17 | SWDIO     | Bi-directional | Debugging through the data line(Default)   |
| 18 | NC        | NC             | NC   |
| 19 | NC        | NC             | NC   |
| 20 | NC        | NC             | NC   |
| 21 | GND       | VSS            | Power Ground   |
| 22 | GND       | VSS            | Power Ground   |
| 23 | PIO0      | I/O            | Programmable input/output line<br><b>* The I/O port for reuse.</b>   |
| 24 | PIO1      | I/O            | Programmable input/output line<br><b>* The I/O port for reuse.</b>   |
| 25 | PIO2      | I/O            | Programmable input/output line<br><b>* The I/O port for reuse.</b>   |
| 26 | PIO3      | I/O            | Programmable input/output line<br><b>* The I/O port for reuse.</b>   |
| 27 | PIO4      | I/O            | Programmable input/output line<br>Alternative Function: BT Power Mode, low level in run mode, it will be set to high level when fall asleep. |
| 28 | PIO5      | I/O            | <b>With the use of the Pin 9.</b>  |



|    |             |     |  |
|----|-------------|-----|--|
| 29 | PIO6        | I/O | Programmable input/output line<br>Alternative Function: I <sup>2</sup> C CLK line (Default)  |
| 30 | PIO7        | I/O | Programmable input/output line<br>Alternative Function: I <sup>2</sup> C DATA line (Default) |
| 31 | <b>PIO8</b> | I/O | <b>With the use of the Pin 10.</b>   |
| 32 | PIO9        | I/O | Programmable input/output line<br>Alternative Function: LED(Default)                         |
| 33 | PIO10       | I/O | Programmable input/output line<br>Alternative Function: BT Status(Default)                   |
| 34 | PIO11       | I/O | Programmable input/output line   |

Table 2

## 5. Interface Characteristics

### 5.1 UART Interface

Four signals are used to implement the UART function. When FSC-BT826 is connected to another digital device, UART\_RX and UART\_TX transfer data between the two devices. The remaining two signals, UART\_CTS and UART\_RTS, can be used to implement RS232 hardware flow control where both are active low indicators.

The interface consists of four-line connection as described in below:

| Signal name | Driving source   | Description                                |
|-------------|------------------|--|
| UART-TX     | FSC-BT826 module | Data from FSC-BT826 module                 |
| UART-RX     | Host             | Data from Host                             |
| UART-RTS    | FSC-BT826 module | Request to send output of FSC-BT826 module |
| UART-CTS    | Host             | Clear to send input of FSC-BT826 module    |

Table 3

#### Default Data Format

| Property               | Possible Values |
|------------------------|-----------------|
| BCSP-Specific Hardware | Enable          |
| Baud Rate              | 115.2 Kbps      |
| Flow Control           | None            |
| Data bit length        | 8bit            |
| Parity                 | None            |

|                     |   |
|---------------------|---|
| Number of Stop Bits | 1 |
|---------------------|---|

**Table 4**

## 5.2 I<sup>2</sup>C Interface

- ◆ Up to two I<sup>2</sup>C bus interfaces can support both master and slave mode with a frequency up to 400KHZ.
- ◆ Provide arbitration function, optional PEC(packet error checking) generation and checking.
- ◆ Supports 7 –bit and 10 –bit addressing mode and general call addressing mode.

The I<sup>2</sup>C interface is an internal circuit allowing communication with an external I<sup>2</sup>C interface which is an industry standard two line serial interface used for connection to external hardware. These two serial lines are known as a serial data line (SDA) and a serial clock line (SCL). The I<sup>2</sup>C module provides two data transfer rates: 100 kHz of standard mode or 400kHz of the fast mode. The I<sup>2</sup>C module also has an arbitration detect function to prevent the situation where more than one master attempts to transmit data to the I<sup>2</sup>C bus at the same time. A CRC-8 calculator is also provided in I<sup>2</sup>C interface to perform packet error checking for I<sup>2</sup>C data.

## 5.3 Analog to digital converter (ADC)

- ◆ 12-bit SAR ADC engine with up to 1 MSPS conversion rate
- ◆ Conversion range: VSSA to VDDA (2.6 to 3.6 V)
- ◆ Temperature sensor

One 12-bit 1  $\mu$ s multi-channel ADC is integrated in the device.

The conversion range is between 2.6 V < VDDA < 3.6 V. An analog watchdog block can be used to detect the channels, which are required to remain within a specific threshold window. A configurable channel management block of analog inputs also can be used to perform conversions in single, continuous, scan or discontinuous mode to support more advanced usages. The ADC can be triggered from the events generated by the general-purpose timers (TMx) and the advanced-control timers (TM1) with internal connection.

The temperature sensor can be used to generate a voltage that varies linearly with temperature. Each device is factory-calibrated to improve the accuracy and the calibration data are stored in the system memory area.

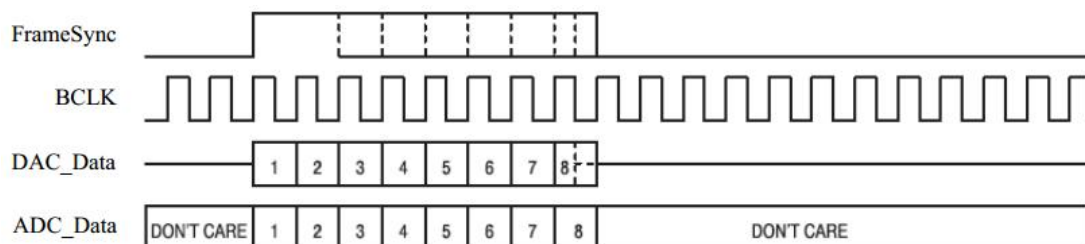
## 5.4 PCM Interface Characteristics

The FSC-BT826 supports a PCM digital audio interface that is used for transmitting digital audio/voice data to/from the Audio Codec. Features are supported as below

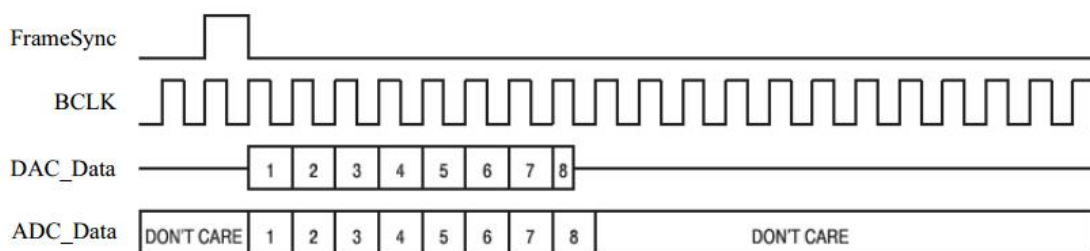
- ◆ Supports Master and Slave mode
- ◆ Programmable long/short Frame Sync
- ◆ Supports 8-bit A-law/ $\mu$ -law, and 13/16-bit linear PCM formats
- ◆ Supports sign-extension and zero-padding for 8-bit and 13-bit samples
- ◆ Supports padding of Audio Gain to 13-bit samples
- ◆ PCM Master Clock Output: 64, 128, 256, or 512kHz
- ◆ Supports SCO/ESCO link

## 5.4.1 PCM Format

FrameSync is the synchronizing function used to control the transfer of DAC\_Data and ADC\_Data. A Long FrameSync indicates the start of ADC\_Data at the rising edge of FrameSync (Figure 3), and a Short FrameSync indicates the start of ADC\_Data at the falling edge of FrameSync (Figure 4).



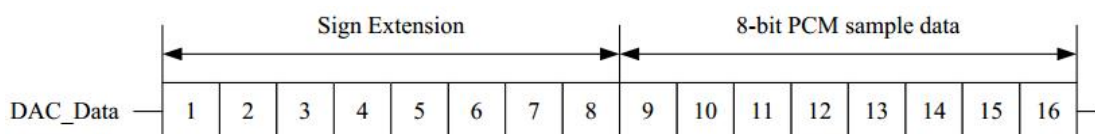
**Figure 4:** Long FrameSync



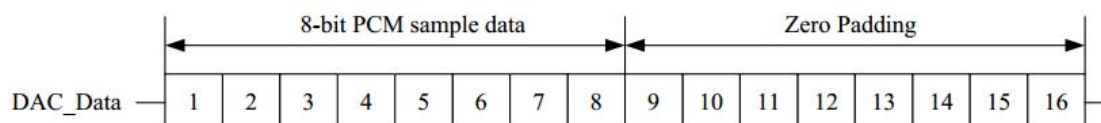
**Figure 5:** Short FrameSync

## 5.4.2 Sign Extension and Zero Padding for 8-Bit and 13-Bit Samples

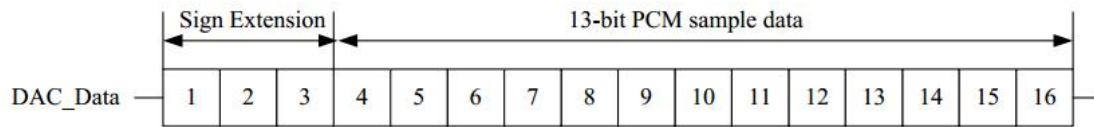
For 16-bit linear PCM output, 3 or 8 unused bits may be sign extended/zero padded.



**Figure 6:** 16-Bit Output Data with 8-Bit PCM Sample Data and Sign Extension

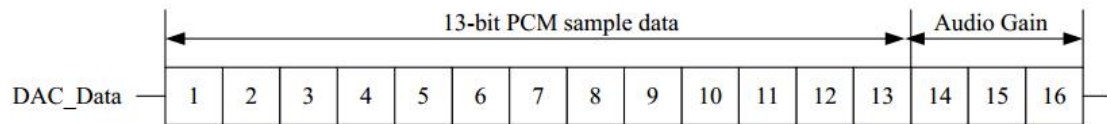


**Figure 7:** 16-Bit Output Data with 8-Bit PCM Sample Data and Zero Padding



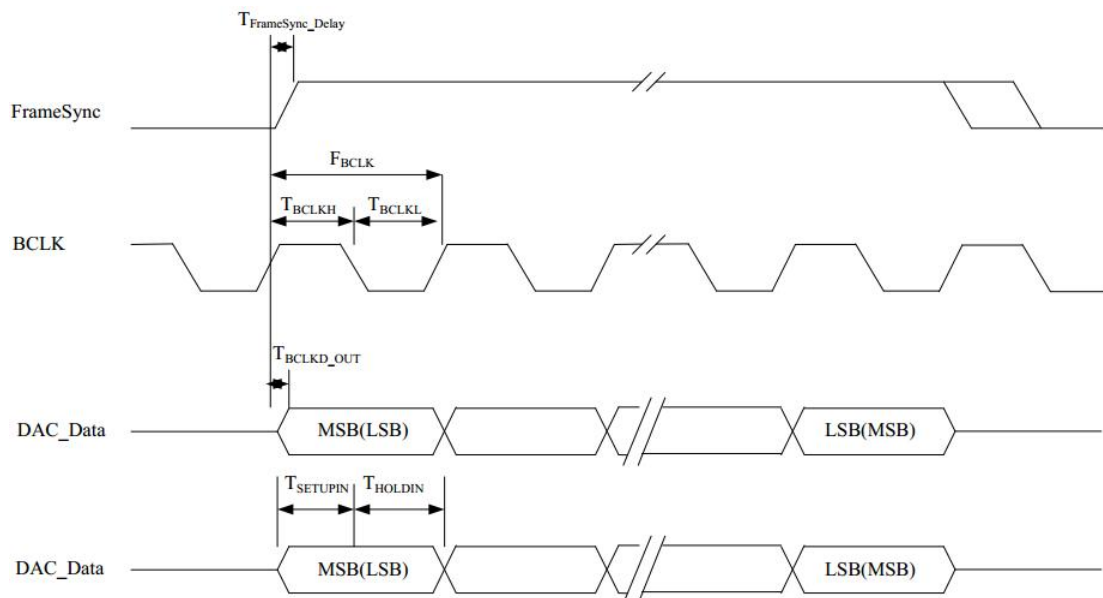
**Figure 8:** 16-Bit Output Data with 13-Bit PCM Sample Data and Sign Extension

For 16-bit linear PCM output, 3-bit programmable audio gain value can be padded to 13-bit sample data.

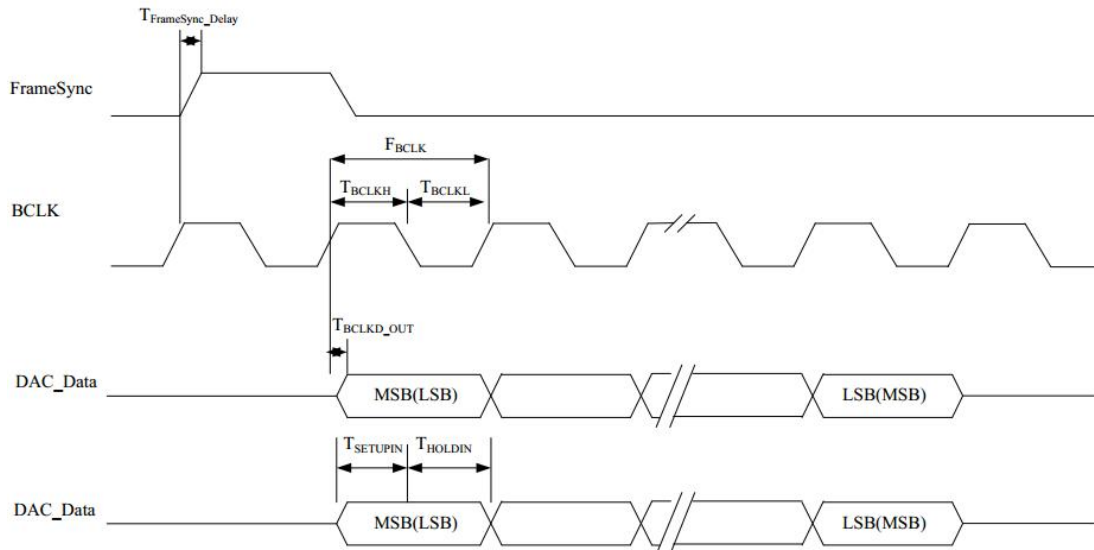


**Figure 9:** 16-Bit Output Data with 13-Bit PCM Sample Data and Audio Gain

### 5.4.3 PCM Interface Timing



**Figure 10:** PCM Interface (Long FrameSync)



**Figure 11:** PCM Interface (Short FrameSync)

| Symbol          | Description                      | Min. | Typ. | Max. | Unit  |
|-----------------|----------------------------------|------|------|------|-------|
| $F_{BCLK}$      | Frequency of BCLK (Master)       | 64   | -    | 512  | kHz   |
| $F_{FrameSync}$ | Frequency of Frame Sync (Master) | -    | 8    | -    | kHz   |
| $F_{BCLK}$      | Frequency of BCLK (Slave)        | 64   | -    | 512  | kHz   |
| $F_{FrameSync}$ | Frequency of Frame Sync (Slave)  | -    | 8    | -    | kHz   |
| D               | Data Size                        | 8    | 8    | 16   | bits  |
| N               | Number of Slots Per Frame        | 1    | 1    | 1    | Slots |

**Table 5:** PCM Interface Clock Specifications

| Symbol                 | Description                                  | Min. | Typ. | Max. | Unit |
|------------------------|--|------|------|------|------|
| $T_{BCLKH}$            | High Period of BCLK                          | 980  | -    | -    | ns   |
| $T_{BCLKL}$            | Low Period of BCLK                           | 970  | -    | -    | ns   |
| $T_{FrameSync\_Delay}$ | Delay Time from BCLK High to Frame Sync High | -    | -    | 75   | ns   |
| $T_{BCLKD\_OUT}$       | Delay Time from BCLK High to Valid DAC_Data  | -    | -    | 125  | ns   |
| $T_{SETUPIN}$          | Set-up Time for ADC_Data Valid to BCLK Low   | 10   | -    | -    | ns   |
| $T_{HOLDIN}$           | Hold Time for BCLK Low to ADC_Data Invalid   | 125  | -    | -    | ns   |

**Table 6:** PCM Interface Timing

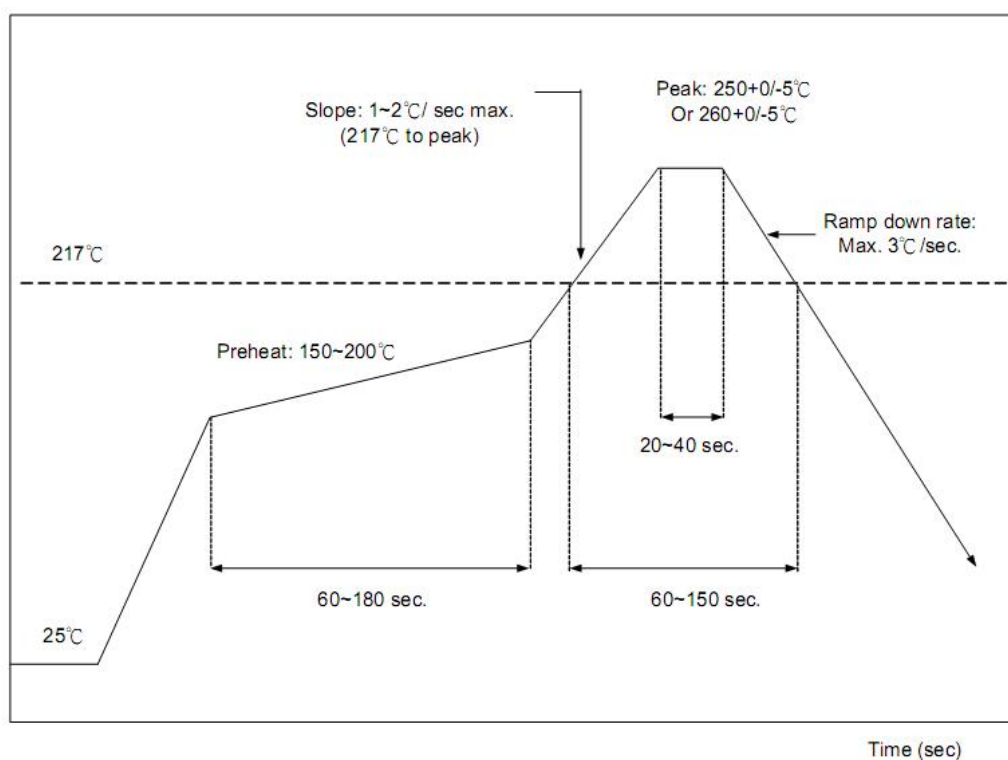
## 5.4.4 PCM Interface Signal Levels

The PCM signal level ranges from 1.8V to 3.3V.

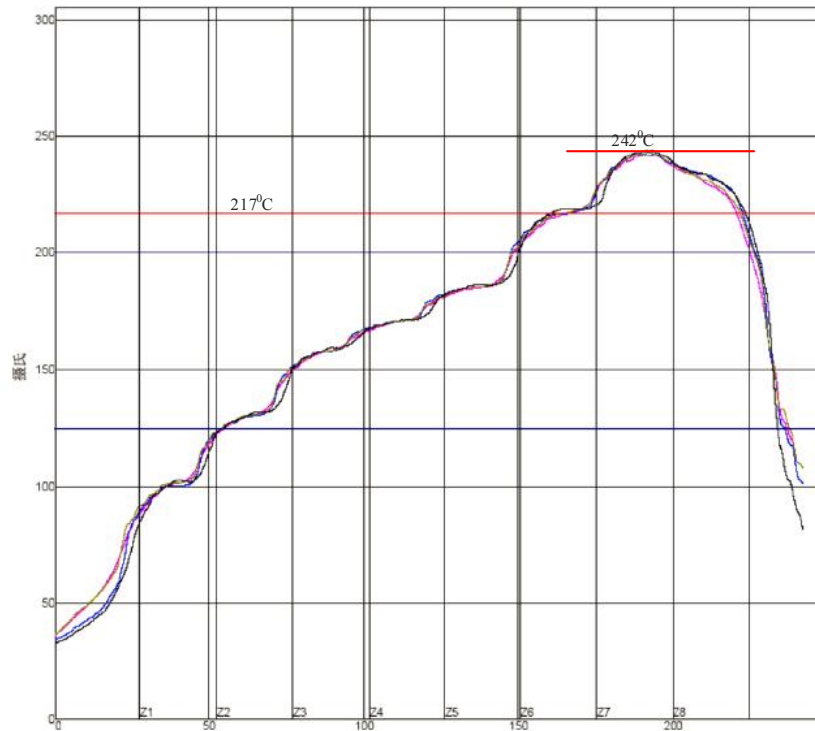
## 6. RECOMMENDED TEMPERATURE REFLOW PROFILE

The re-flow profiles are illustrated in Figure 11 and Figure 12 below.

- Follow: IPC/JEDEC J-STD-020 C
- Condition:
  - Average ramp-up rate(217°C to peak):1~2°C/sec max.
  - Preheat:150~200C,60~180 seconds
  - Temperature maintained above 217°C :60~150 seconds
  - Time within 5°C of actual peak temperature:20~40 sec.
  - Peak temperature:250+0/-5°C or 260+0/-5°C
  - Ramp-down rate:3°C/sec.max.
  - Time 25°C to peak temperature:8 minutes max
  - Cycle interval: 5 minus



**Figure 12:** Typical Lead-free Re-flow Solder Profile



**Figure 13 : Typical Lead-free Re-flow**

The soldering profile depends on various parameters according to the use of different solder and material. The data here is given only for guidance on solder re-flow.

FSC-BT826 will withstand up to two re-flows to a maximum temperature of 245°C.

## 7. Reliability and Environmental Specification

### 7.1 Temperature test

Put the module in demo board which uses exit power supply, power on the module and connect to mobile. Then put the demo in the 0°C space for 1 hour and then move to +70°C space within 1minute, after 1 hour move back to 0°C space within1 minute. This is 1 cycle. The cycles are 32 times and the units have to pass the testing.

### 7.2 Vibration Test

The module is being tested without package. The displacement requests 1.5mm and sample is vibrated in three directions(X,Y,Z).Vibration frequency set as 0.5G , a sweep rate of 0.1 octave/min from 5Hz to 100Hz last for 90 minutes each direction. Vibration frequency set as 1.5G, a sweep rate of 0.25 octave/min from 100Hz to 500Hz last for 20 minutes each direction.

### 7.3 Desquamation test

Use clamp to fix the module, measure the pull of the component in the module, make

sure the module's soldering is good.

## 7.4 Drop test

Free fall the module (condition built in a wrapper which can defend ESD) from 150cm height to cement ground, each side twice, total twelve times. The appearance will not be damaged and all functions OK.

## 7.5 Packaging information

After unpacking, the module should be stored in environment as follows:

- Temperature:  $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Humidity: <60%
- No acidity, sulfur or chlorine environment

The module must be used in four days after unpacking.

## 8. Layout and Soldering Considerations

### 8.1 Soldering Recommendations

FSC-BT826 is compatible with industrial standard reflow profile for Pb-free solders. The reflow profile used is dependent on the thermal mass of the entire populated PCB, heat transfer efficiency of the oven and particular type of solder paste used. Consult the datasheet of particular solder paste for profile configurations.

Feasycom will give following recommendations for soldering the module to ensure reliable solder joint and operation of the module after soldering. Since the profile used is process and layout dependent, the optimum profile should be studied case by case. Thus following recommendation should be taken as a starting point guide.

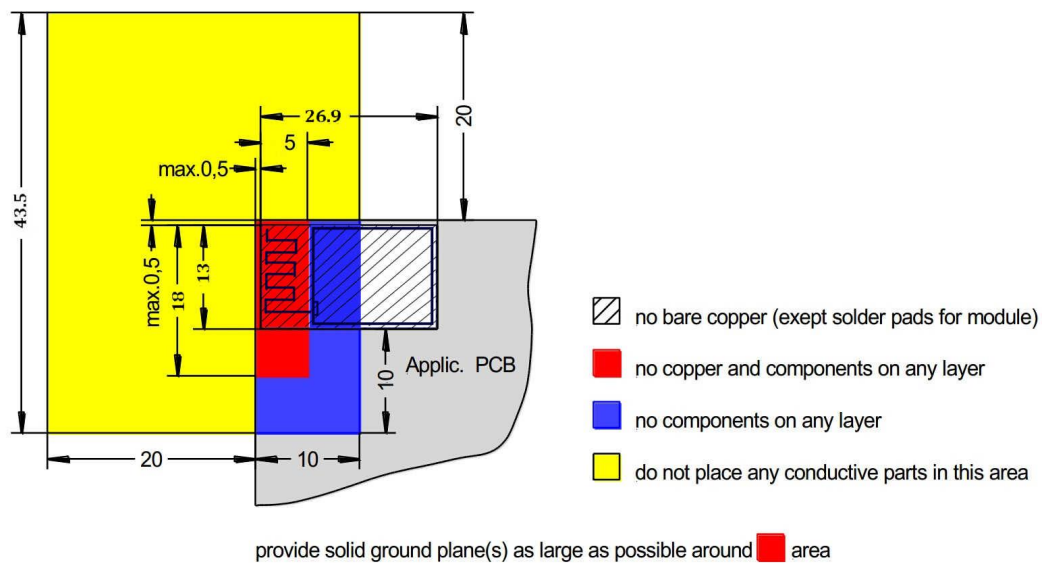
### 8.2 Layout Guidelines

It is strongly recommended to use good layout practices to ensure proper operation of the module. Placing copper or any metal near antenna deteriorates its operation by having effect on the matching properties. Metal shield around the antenna will prevent the radiation and thus metal case should not be used with the module. Use grounding vias separated max 3 mm apart at the edge of grounding areas to prevent RF penetrating inside the PCB and causing an unintentional resonator. Use GND vias all around the PCB edges.

The mother board should have no bare conductors or vias in this restricted area, because



it is not covered by stop mask print. Also no copper (planes, traces or vias) are allowed in this area, because of mismatching the on-board antenna.



**Figure 14: FSC-BT826 Restricted Area**

Following recommendations helps to avoid EMC problems arising in the design. Note that each design is unique and the following list do not consider all basic design rules such as avoiding capacitive coupling between signal lines. Following list is aimed to avoid EMC problems caused by RF part of the module. Use good consideration to avoid problems arising from digital signals in the design.

Ensure that signal lines have return paths as short as possible. For example if a signal goes to an inner layer through a via, always use ground vias around it. Locate them tightly and symmetrically around the signal vias. Routing of any sensitive signals should be done in the inner layers of the PCB. Sensitive traces should have a ground area above and under the line. If this is not possible, make sure that the return path is short by other means (for example using a ground line next to the signal line).

## 9. Certificate

Has passed BQB, SRRC, ROHS and Airsync certification.

## QDL Bluetooth® qualified design listing

### The Bluetooth SIG Hereby Recognizes

Shenzhen Feasycom Technology Co., Ltd.

Member Company

Bluetooth module

Qualified Design Name

Declaration ID: D033894

Qualified Design ID: 92203

Specification Name: 4.0

Project Type: End Product

Model Number: FSC-BT826

Listing Date: 06 January 2017

Hardware Version Number: V1.3

Assessment Date: 06 January 2017

Software Version Number: 5.2.3,20160930

This certificate acknowledges the Bluetooth® Specifications declared by the member are achieved in accordance with the Bluetooth Qualification Process as specified within the Bluetooth Specifications and as required within the current PRD



### 无线电发射设备

Radio Transmission Equipment

### 型号核准证

Type Approval Certificate

深圳市飞易通科技有限公司:

根据《中华人民共和国无线电管理

In accordance with the provisions on the Radio

条例》，经审查，下列无线电发射设备

Regulations of the People's Republic of China, the following

符合中华人民共和国无线电管理规定和

radio transmission equipment, after examination, conforms

技术标准，其核准代码为：CMIIT ID:2019DP4046

to the provisions with its CMIIT ID:



(发证机关)

Sealed by issuing authority

2019年 6 月 4 日

Year Month Date

有效期: 五年

Validity

编号: 2019-4046  
Number

设备名称: 蓝牙模块  
Equipment Name

设备型号: FSC-BT826  
Equipment Type

主要功能: 数据传输  
Main Functions

调制方式: GFSK 3/4 DQPSK 8DPSK  
Modulation Mode

主要技术参数及其指标值:  
Main Technical Parameters

频率范围: 2400-2483.5MHz  
Frequency Range

频率容限: ≤20ppm  
Frequency Tolerance

占用带宽: ≤20kHz  
Occupied Bandwidth

发射功率: ≤20dBm (EIRP)  
Transmitting Power

杂散发射限值: ≤-30dBm  
Spurious Emission Limits



(核发单位章)

Sealed by issuing authority

2019年 6 月 4 日

Year Month Date



Report No.: AGC03285190702-001

Date: Jul.26, 2019

Page1 of 7

Applicant: Shenzhen Feasycom Technology Co.,LTD.  
Address: Room 2004A,20th Floor,Huichao Technology  
Building,JinhaiRoad,Xixiang, BaoanDistrict,Shenzhen, China  
Test site: 16/F,Building 2,No. 1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan  
District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name: Bluetooth Module

FSC-BT826, FSC-BT826N, FSC-BT826HD, FSC-BT826HC, FSC-BT826H.

Sample Model: FSC-BT826E, FSC-BT826EN

Sample Received Date: Jun.22, 2019

Testing Period: Jun.22, 2019 to Jun.26, 2019

**Test Requested:** Please refer to following page(s).

**Test Method:** Please refer to following page(s).

**Test Result:** Please refer to following page(s).

Approved by:

Liulinwen Lewis

Technical Director



**VERIFICATION**  
of  
Conformity  
**WeChat AirSync**



|                                   |  |
|-----------------------------------|--|
| <b>Holder</b>                     | Shenzhen Feiyaqun Technology Co., Ltd.<br>Room 2004-2005, 20th Floor Huchao Technology Building, Jinhai Road, Xixiang, Baoan District, Shenzhen, China |
| <b>Manufacturer</b>               | Shenzhen Feiyaqun Technology Co., Ltd.<br>Room 2004-2005, 20th Floor Huchao Technology Building, Jinhai Road, Xixiang, Baoan District, Shenzhen, China |
| <b>Product</b>                    | Dual Mode Bluetooth Module   |
| <b>Identification (Trademark)</b> | FSC B12626 (Feiyaqun)  |
| <b>Software version</b>           | 5.7.4  |
| <b>TUV Reference No.</b>          | 50174358 001   |

| Test for Bluetooth Low Energy        |        | Test for Traditional Bluetooth |        |
|--------------------------------------|--------|--------------------------------|--------|
| Test case                            | Result | Test case                      | Result |
| onTestIndicateCharacteristic         | Pass   | onTestReceivedConnReq          | Pass   |
| onTestIndicateCharacteristic         | Pass   | onTestReceivedReqWhenConnReq   | Pass   |
| onTestIndicateCharacteristic         | Pass   | onTestValidAckReqResp          | Pass   |
| onTestIndicateCharacteristic         | Pass   | onTestRecvConnReq              | Pass   |
| onTestValidAckReqResp                | Pass   | onTestValidRecvReqResp         | Pass   |
| onTestIndicateCharacteristic         | Pass   | onTestValidSendDataRequest     | Pass   |
| onTestValidAckReqResp                | Pass   | onTestConnReq                  | Pass   |
| onTestStartIndicating                | Pass   |                                |        |
| onConnReq                            | Pass   |                                |        |
| onTestValidAckReqWhenStartIndicating | Pass   |                                |        |
| onTestValidAckReqResp                | Pass   |                                |        |
| onTestValidRecvReq                   | Pass   |                                |        |
| onTestValidAckReqResp                | Pass   |                                |        |
| onTestValidSendDataRequest           | Pass   |                                |        |

|                |      |
|----------------|------|
| onDisConnected | Pass |
|----------------|------|

The submitted sample of the above equipment has been verified according to above test requirements used for showing compliance with the test items according to WeChat Airsync software profile.



AirSync



Winnie Hou  
BQC (Bluetooth Qualification Consultant)

BQC (Bluetooth)  
Date: 2018-08-1

This Verification is relevant only to the particular sample provided for the evaluation. It does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

TUV Rheinland (Shenzhen) Co., Ltd. 1F East & 2-4F Cybio Technology Building No.1, No.16, Kejibel 2nd Road  
High-Tech Industrial Park North Nanshan District, 518057 Shenzhen P.R. China  
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## 10. Application Schematic