

Step 5: Now, you can configure and use Jaalee Beacon normally.

## Working Mode Detail

There are three types working mode of Jaalee Beacon. The first is sleep mode, the second is connectable mode, and the third is non-connectable mode. When hit Beacon will enter the connection mode, which can last for 45 seconds. When timeout Beacon will enter the connection mode or sleep mode according to the different configuration. After the disconnection Beacon will enter the connection mode, last for 45 seconds. It will return to sleep mode or disconnected mode after 45 seconds.



## Sleep Mode

When Beacon stays asleep, this mode will wait for being wake-up.

## Connectable Mode

Beacon can only be connected in this mode, which needs triggered by tapping Beacon, and it will last for 45 seconds. It means that Beacon can be connected in 45 seconds after being triggered. And Beacon will restore to sleep mode or non-connectable mode if it is not connected in 45 seconds.

## Non-Connectable Mode

Beacon can radio Beacon's data properly in the non-connectable mode. Beacon will begin to work normally when configured to this mode and it cannot be connected. If you want connect it again, you must tap it five times, and it can be connected within 45 seconds. Once timeout, it will restore to non-connectable mode. If connection is needed, Beacon must be tapped again.

## Key Words

**Power Value:** This value represents the power value mobile scanned when the distance between Beacon and phone is within a meter.

**TX Power:** This value represents the Beacon's firmware Transmit Power

**RSSI:** The value is the signal strength of the scanned device which can be used to measure the distance

## Electronic Parameters

Item	Test Data	Remarks
Chip model	nRF51822	Nordic Semiconductor 256k

Operation Frequency	2400-2483.5MHz	Programmable
Frequency Error	+/- 20KHz	Null
Modulation	Q-QPSK	Null
Sleep current	About 3.6uA	Null
Output Power	4 dBm--40dBm	Programmable
Receiving Sensitivity	-93dBm	High gain mode
Transmission distance	70meters	BER<0.1%, Open space
Antenna	50ohm	Onboard

## Operation State and Power Consumption

State	Operation Current (μA)
Sleep Mode	About 3.6
Connectable Mode	About 142
Non-Connectable Mode(Broadcast Interval: 1s)	About 22.5

## Contact Us

We have been trying to provide better services and products! Jaalee Beacon makes life more simple and cheerful! If you are interested in our product, please contact us in following ways. We will provide the best service wholeheartedly for you!



Buy JAALEE Beacon: [sales@jaalee.com](mailto:sales@jaalee.com)

Technical Support: [dev@jaalee.com](mailto:dev@jaalee.com)



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## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radi

o or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**RF warning statement:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.