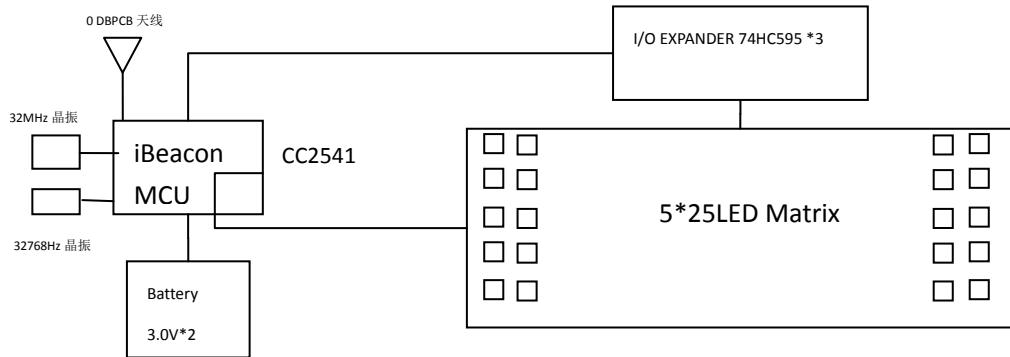


# BLE LED SCREEN SPECIFICATION

The BLE LED SCREEN is a device that allows user to display up to 10 messages with 100 characters each. Messages can be programmed by an APP through BLE 4.0 device. BLE LED screen, the spice of your joyful life.



App ibeacon BLE 4.0 2.4G Bluetooth



Length of Sentence: 100 characters

Sentences: 10 total

Brightness: 1~10 PWM duty 10~100%

Normal usage time: min 13 Hours at brightness 10

Punctuation mark to be displayed: .,?!\$-+

Testing program App

**Fig. 1 System Diagram**

Default Message:

HAPPY NEW YEAR  
HAPPY HOLIDAYS  
CONGRATULATIONS  
HAPPY ANNIVERSARY  
HAPPY BIRTHDAY  
I LOVE YOU

**Operation instruction:**

1. Press the On/Off button twice
2. Open the App in your BLE 4.0 smart ready device (iphone 4S etc.) and search the screen;
3. Connect with the LED display and edit in the message and choose the message you want to display. Then press display button to transmit data to LED display;
4. The LED display will display the message after programming.
5. Press switch button to select message (1-10)
6. Press again ON/OFF button one more time, LED display will go to low power mode 3/sleep mode.

**Key Specifications/Special Features:**

- o Displays your own custom message: Stores up to 10 messages (up to 100 characters for each message);
- o Friendly user interface for updating message: use BLE 4.0 smart device to program through APP;
- o Onboard buttons: enter on/off, switch;
- o Operates on two CR2032 batteries (included):3.0V;
- o 1a0uA sleep mode current;
- o Functional temperature range: -10 °C ~ +50 °C

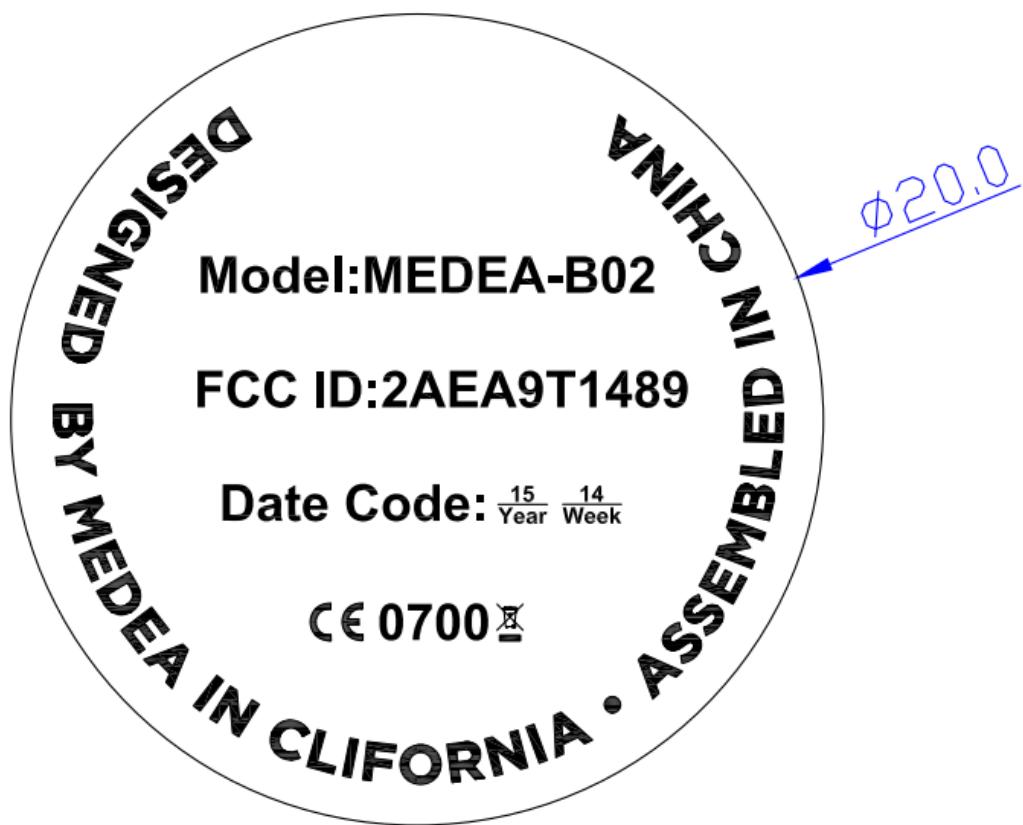
# Product design Verification and validation:

Before Mass Production following items must be verified:

1. Functionality
2. CE/FCC compliance
3. Protection against dust and water: IP54
4. Reliability test: climatic resistance,(-10°C for 1 hours, 50°C for 1 hours, with operation)
5. Packing drop test and transportation simulation test.

# Traceability design:

The Product can be trace back to the Production Lot by lot number of format: YYWW (Year /Week)



Power is so low that no RF exposure calculation is needed.

FCC statements:

This device complies with part 15 of the 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 or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses 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 radio 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.