Technical Description

This Evaporative Humidifier, working voltage 100-240VAC, 50/60Hz, When the device is powered on, press the humidification button. The device will switch between the manual mode with wind speeds of 1, 2, and 3, and the automatic mode. At the same time, the corresponding wind speed gear indicator lights or the automatic mode indicator light will illuminate. The air humidifier is also supported to be controlled via APP.

For more detail information pls. refer to the user manual.

Bluetooth Version: BLE 5.0 (single mode)
BLE Modulation Type: GFSK
WiFi Modulation Type：DSSS, OFDM
Antenna Type: Integrate antenna
Antenna Gain: 0.5 dBi
Normal operating temperature range: 10℃- 35℃
Maximum operating temperature range: 35℃
The nominal conducted output power specified (BLE): 4.0 dBm (±2dB)
The nominal conducted output power specified (WiFi): 17.0 dBm (±4dB)

Main configuration as below:

The function of main IC is mentioned as below.

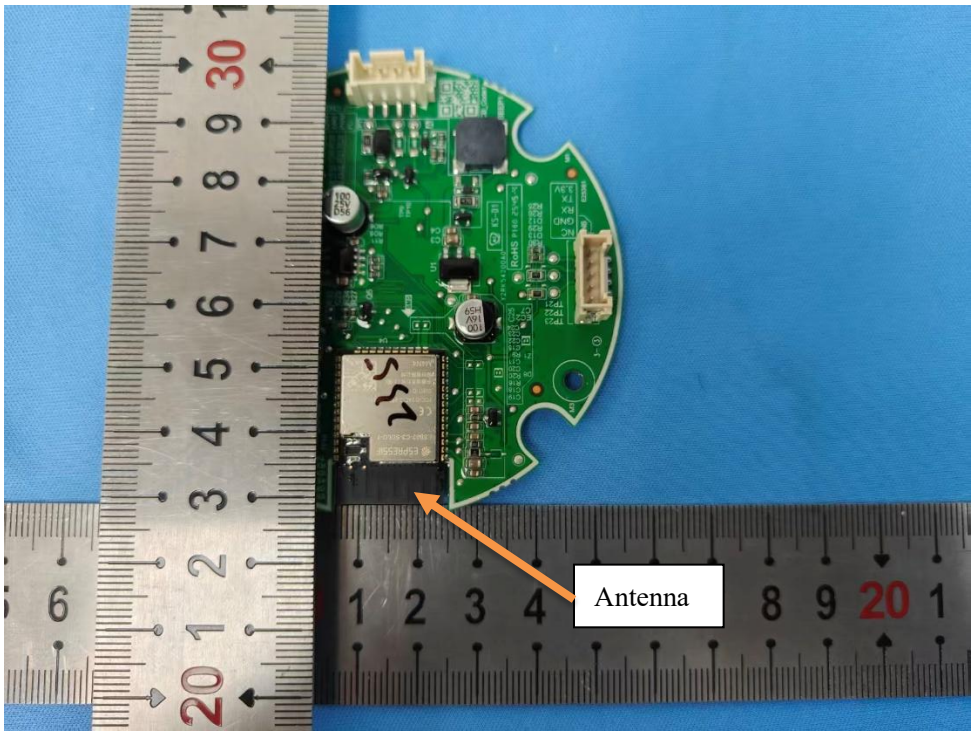
1) U1: MCU SC92F8371

2) U4: WIFI module ESP32-C3-SOLO-1

In WIFI Module

1) U1: MCU ESP32-C3FN4

2) Y1: Crystal Oscillator Frequency 40MHZ


Antenna