

Technical Description

The equipment under test (EUT) is a Wet Dry Vacuum with BT BLE function operating in 2402-2480MHz. The EUT is operated by DC 21.6 V with battery or DC 27V with adapter.

Floor scrubber and cell phone Communication: BLE Automatic pairing cell phone, operate APP to connect bluetooth.

floor scrubber connect cell phone direct by BLE : cell phone in master mode , floor scrubber is slave mode.

For more information please refer to the user manual.

Channel List (BLE)

2402	2404	2406	2408	2410	2412	2414	2416	2418	2420
2422	2424	2426	2428	2430	2432	2434	2436	2438	2440
2442	2444	2446	2448	2450	2452	2454	2456	2458	2460
2462	2464	2466	2468	2470	2472	2474	2476	2478	2480

Modulation Type: GFSK

Bluetooth Version: 5.0 BLE (Single Mode)

Antenna Type: PCB Antenna

Antenna Gain: 2dBi

The nominal conducted output power specified (BLE): 2.18dBm (Tolerance: +/- 2dB)

The function of main IC is mentioned as below:

1. U9(model: TLSR8258) acts as Bluetooth control chip
2. Y2 is a 24MHz crystal for U9(model: TLSR8258)
3. U1(model: IT9862E) is MCU dealing with all data
4. Y1 is a 12MHz crystal for U1(model: IT9862E)
5. U2(model: STM32G070RBT6) acts as MCU of center control board
6. Y1 is a 12MHz crystal for U2(STM32G070RBT6)
7. U1(model: STM32G070CBT6) act as MCU of roller board
8. U21(model: CMS32M55533Q40) act as pre-driver chip of fan

Antenna

