

Technical Description

The Equipment Under Test (EUT) is a Automatic Cleaning&Charging Station with Bluetooth function operating at 2402-2480. The EUT is powered by 100-240V~ 50/60Hz. For more detailed features description, please refer to the user's 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: PIFA Antenna

Antenna Gain: 2dBi

The nominal conducted output power specified (BLE): 6dBm (Tolerance: +/- 1dB)

The function of main IC is mentioned as below:

1. U40(model: TLSR8258F512ET32) acts as Bluetooth module
2. Y2 is a 24MHz crystal oscillator for U40(model: TLSR8258F512ET32)
3. U43(model: HC32F460PETB) is MCU dealing with all data
4. Y1 is a 12MHz crystal oscillator for U43(model: HC32F460PETB)