

Technical Description

Wireless charger

Manufacturer: ASAP Technology (Jiangxi) Co., Ltd

Model: 080-08-4962

The equipment under test (EUT) is a Wireless charger. The wireless charging frequency is 115-205 kHz. The EUT is powered by 5V 3A, 9V 2A, 12V 1.5A from adapter, Output: 10W, by wireless charger. For more detailed features description, please refer to the user's manual.

Technical notes:

1. This wireless charger power transfer frequency is 115 - 205KHz;
2. The maximum output power of the coils is 10 Watts;
3. The transfer system allow wireless power transfer to take place between coupling zone and a single client device;
4. The Charger belongs to the mobile device and subjects to mobile exposure conditions only;
5. The transfer system includes double primary coils;
6. The maximum coupling surface area of the WPT source is 20cm²;
7. Client device is placed directly in contact with the transmitter.
8. Although there are two coils, they cannot work simultaneously. Which coil will work depends on the placement of the mobile phone (vertical or horizontal).
9. Crystal oscillator:16MHz

The function of main IC is mentioned as below.

1. The chip U1 (MT5811) acts as MCU, wireless controller.
2. The chip U3 (MS8051) as demodulator.
3. Y1 is a 16MHz crystal oscillator for U1.

Not finished, see next page.

Antenna dimensions and photos are as follows:

