

# AP680

## Description of Operation

The EUT is a SmartPlug with meter which contain with a TI Bluetooth Chip –CC2541

The EUT main chip is the TI BLE Chip-CC2541, user can connect and control the EUT by the app on mobile device. It can be control Relay power on/off on the socket through app or button on the EUT. It also have meter IC PL7411 to measure power consumption, use UART between main chip and PL7411 to communication and show it on the mobile device app.

The EUT main chip use 3 GPIO to control 2 RGB LED to display the status.

The Bluetooth Module within the EUT have the feature that is listed as follows :

- Low energy Compliant and Proprietary RF System-on-Chip.
- Supports 250-kbps, 500-kbps, 1-Mbps. 2-Mbps Data Rates.
- UARTs With support for serial protocols and I2C interface.
- 2 I/O pins have LED driving capabilities.
- 23 general purpose I/O pins available for user's application.
- The user can connect and control the EUT with the APP on mobile device