

Theory of operation

The power supply low voltage control board carries an RF daughterboard with a TI CC2540 RF Bluetooth transceiver. The daughterboard is powered by 3.3V from the low voltage control board and communicates via serial communication line (logic level). The ground is common to the low voltage control board of the power supply and the DC ground of the power supply. It is not connected to the frame ground of the power supply. A printed antenna is provided on the daughterboard PCB.