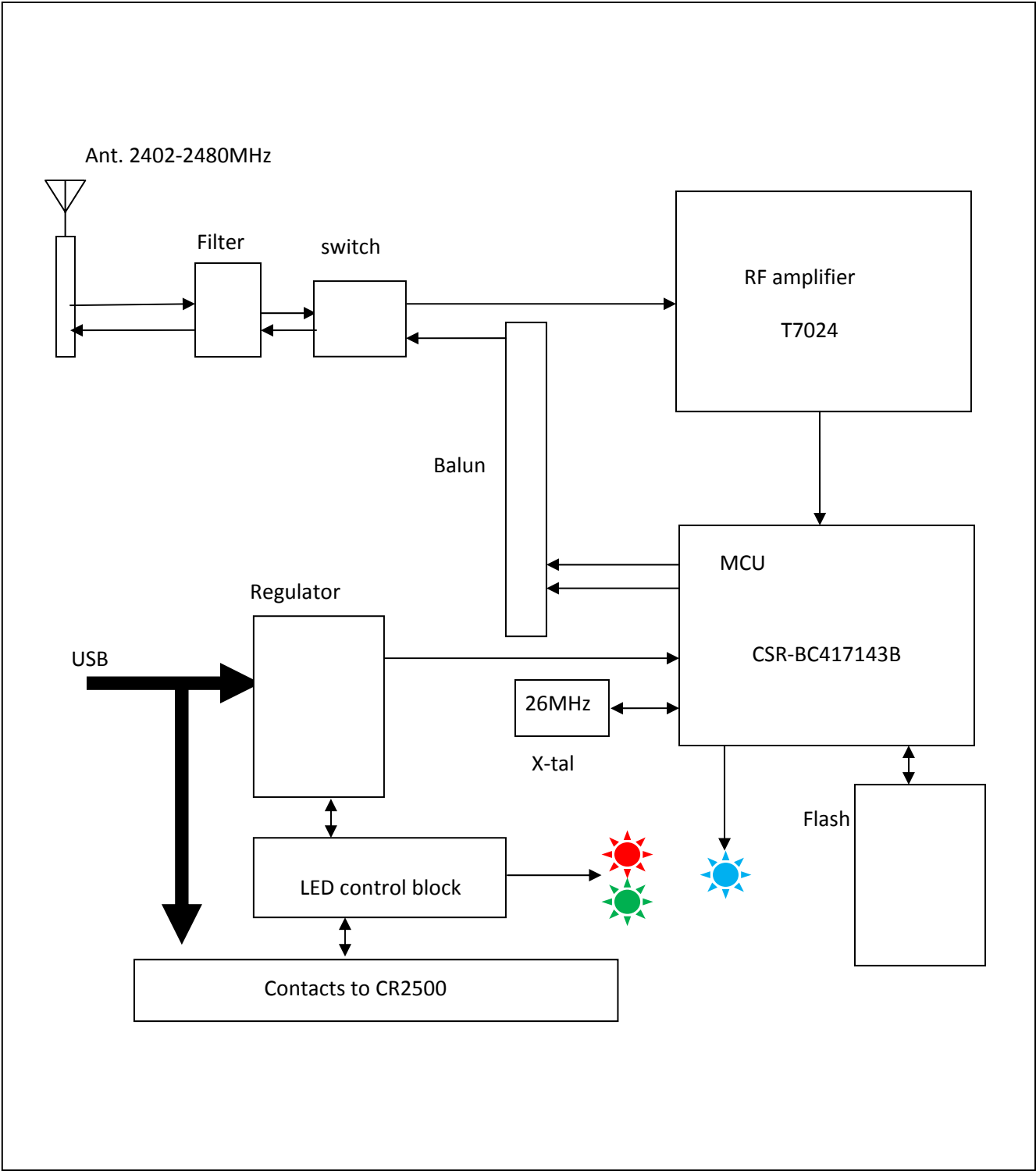


Block diagram of ECS-RMS



Circuit descriptions

ECS RMS is a device with the capability of connecting with CR2500 using Bluetooth.

It consists an RF amplifier to amplify the signals for the antenna.

Power is taken from the usb and regulators are used to regulate to 3.3V which is need by the MCU.

The red/green LED control block is used for indication of whether the battery on CR2500 is fully charged or not when it is inserted. When CR2500 is not inserted, no led will be lighted up. For a weak battery on CR2500, the red led should be lighted up, for a strong battery on CR2500, the green led should be lighted up.

The blue LED indicates Bluetooth connection and also whether usb power is being applied to the MCU. However when the MCU is in boot-mode, the LED is off. (TX mode of test).