

```
PT_THREAD(radio_wake_thread(struct pt *pt)) {
    PT_BEGIN(pt);

    while(1) {
        radio_on();
        timer_set(&timer, T_AWAKE);
        PT_WAIT_UNTIL(pt, timer_expired(&timer));

        timer_set(&timer, T_SLEEP);
        if(!communication_complete()) {
            PT_WAIT_UNTIL(pt, communication_complete()
                          || timer_expired(&timer));
        }

        if(!timer_expired(&timer)) {
            radio_off();
            PT_WAIT_UNTIL(pt, timer_expired(&timer));
        }
    }

    PT_END(pt);
}
```