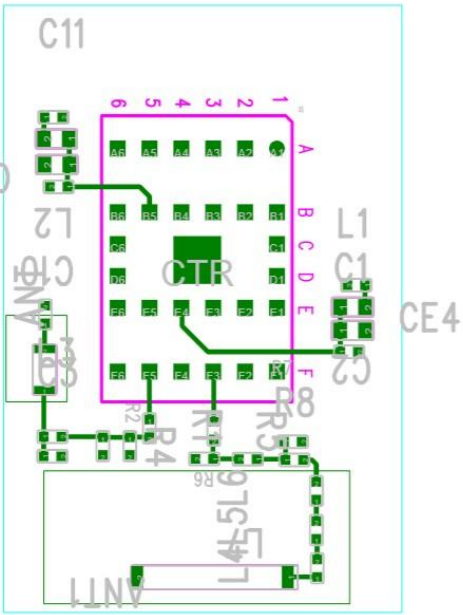
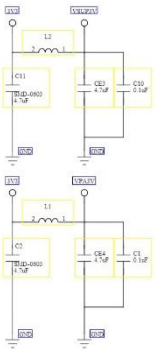
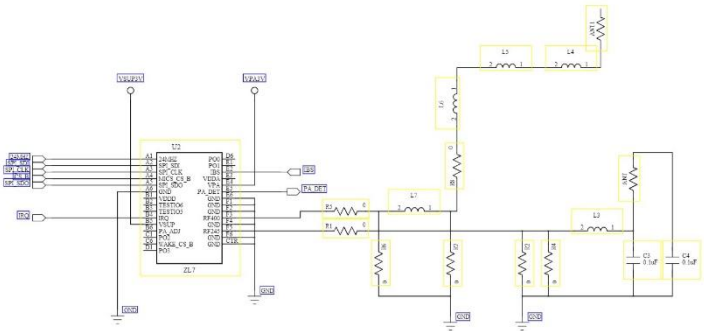
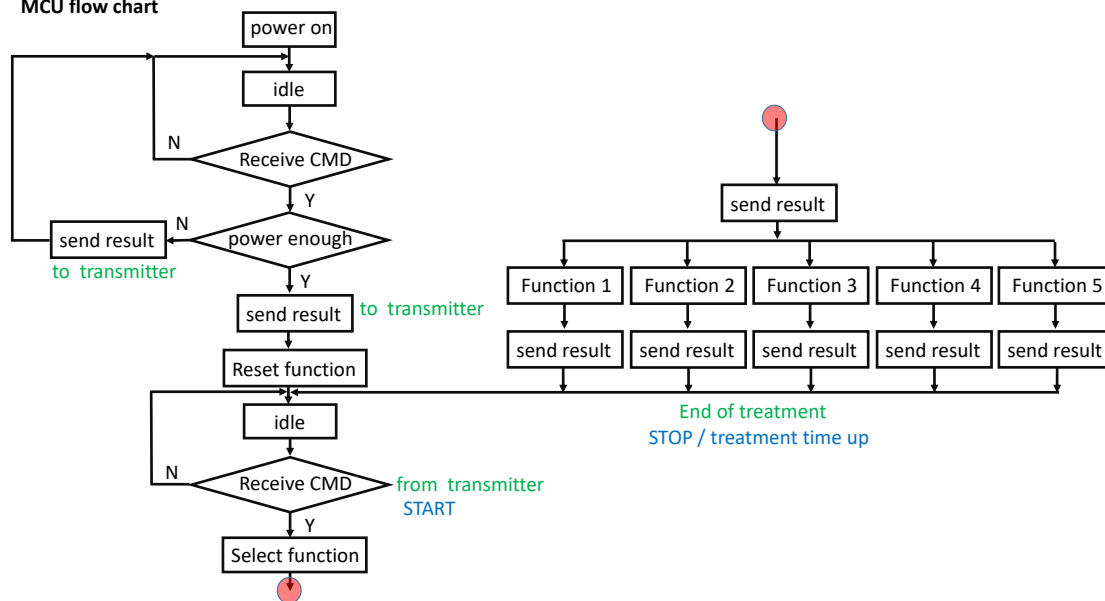


規格:



| Transmitter to Implant Device                                                                                                                                                       | Implant Device to Transmitter                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Power CMD (request power status)                                                                                                                                                    | Response (power status:Y/N)                                                                                                      |
| START CMD (treatment mode 、 treatment duration 、 sensing parameter 、 stimulation parameter)                                                                                         | Response #1(sensing data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately                   |
| START CMD (function 1 、 treatment duration 、 sensing frequency range/sensing amplitude range 、 NULL)                                                                                | Response #1(sensing raw data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately               |
| START CMD (function 2 、 treatment duration 、 NULL 、 stim freq/stim pulse width/stim amplitude)                                                                                      | Response #1(dummy data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately                     |
| START CMD (function 3 、 treatment duration 、 sensing frequency range/sensing amplitude range 、 stimulation duration/stim freq/stim pulse width/stim amplitude)                      | Response #1(FFT result of sensing raw data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately |
| START CMD (function 4 、 treatment duration 、 sensing frequency range/sensing amplitude range 、 stimulation duration/stim freq/stim pulse width/stim amplitude #1/stim amplitude #2) | Response #1(FFT result of sensing raw data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately |
| START CMD (function 5 、 treatment duration 、 sensing duration 、 stimulation duration/base stim freq/comp stim freq/stim pulse width/stim amplitude)                                 | Response #1(sensing raw data) → during treatment<br>Response #2(stop flag) → treatment time up or Stop immediately               |
| STOP CMD (request treatment stop)                                                                                                                                                   | Response (stop flag)                                                                                                             |

MCU flow chart



Function 3 : Closed-loop stimulation (Fixed amplitude & frequency)

