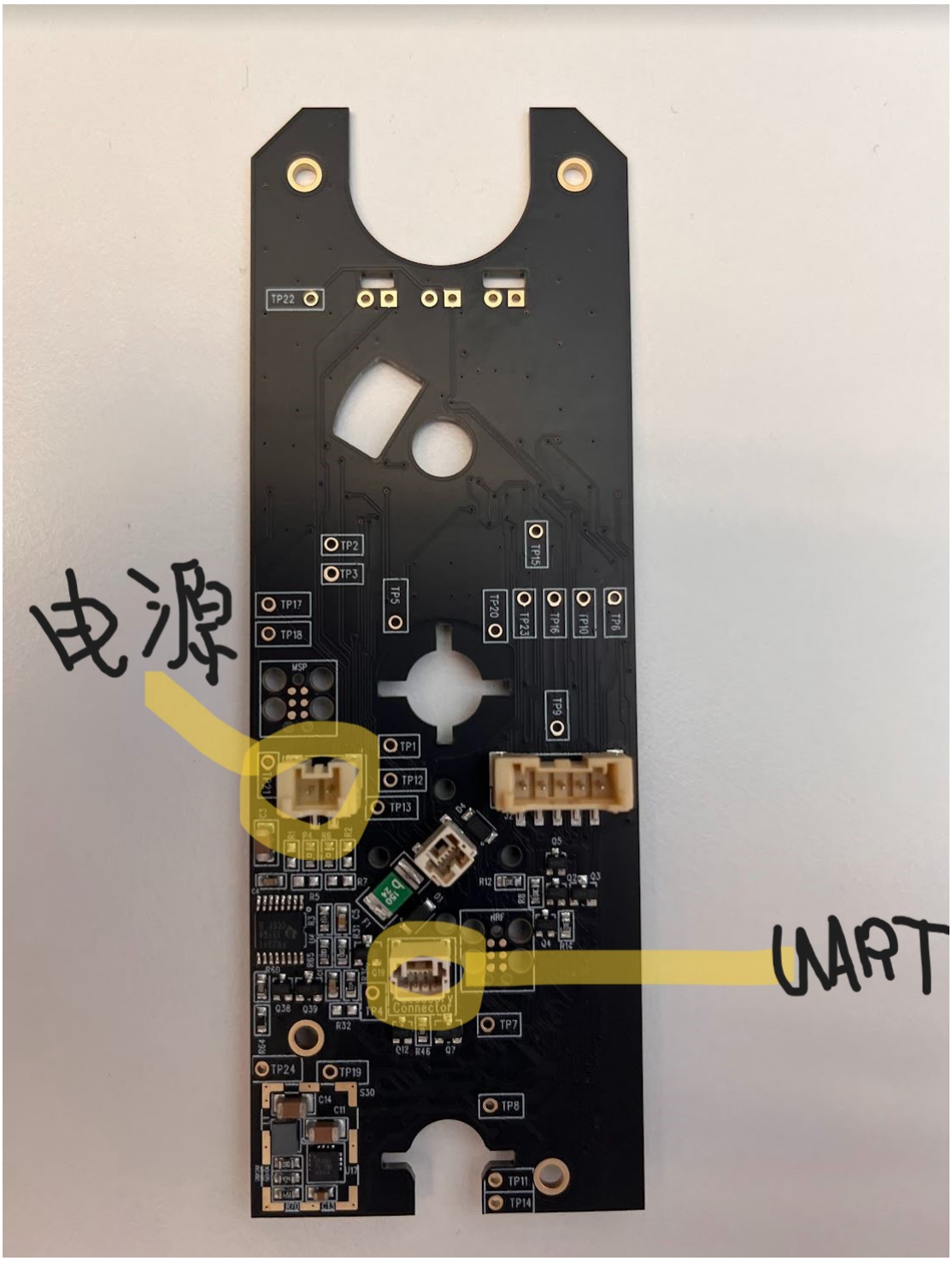
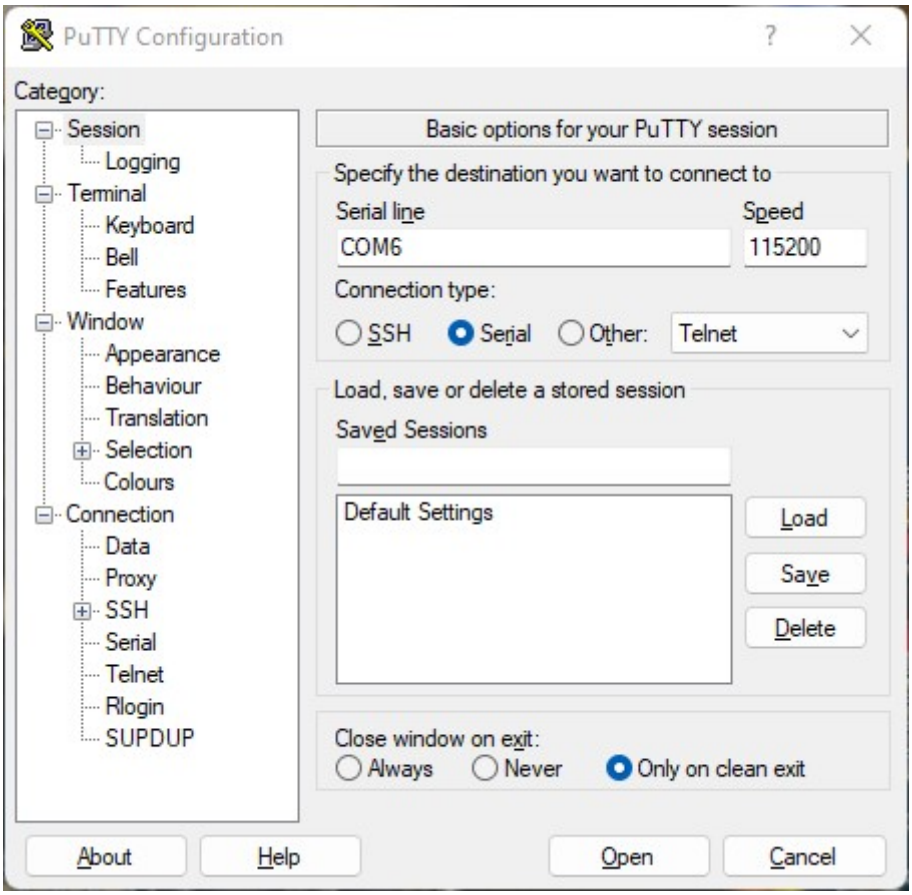
How to connect power and uart to SC-0101 PCBA

电源电压7.0v-8.0v

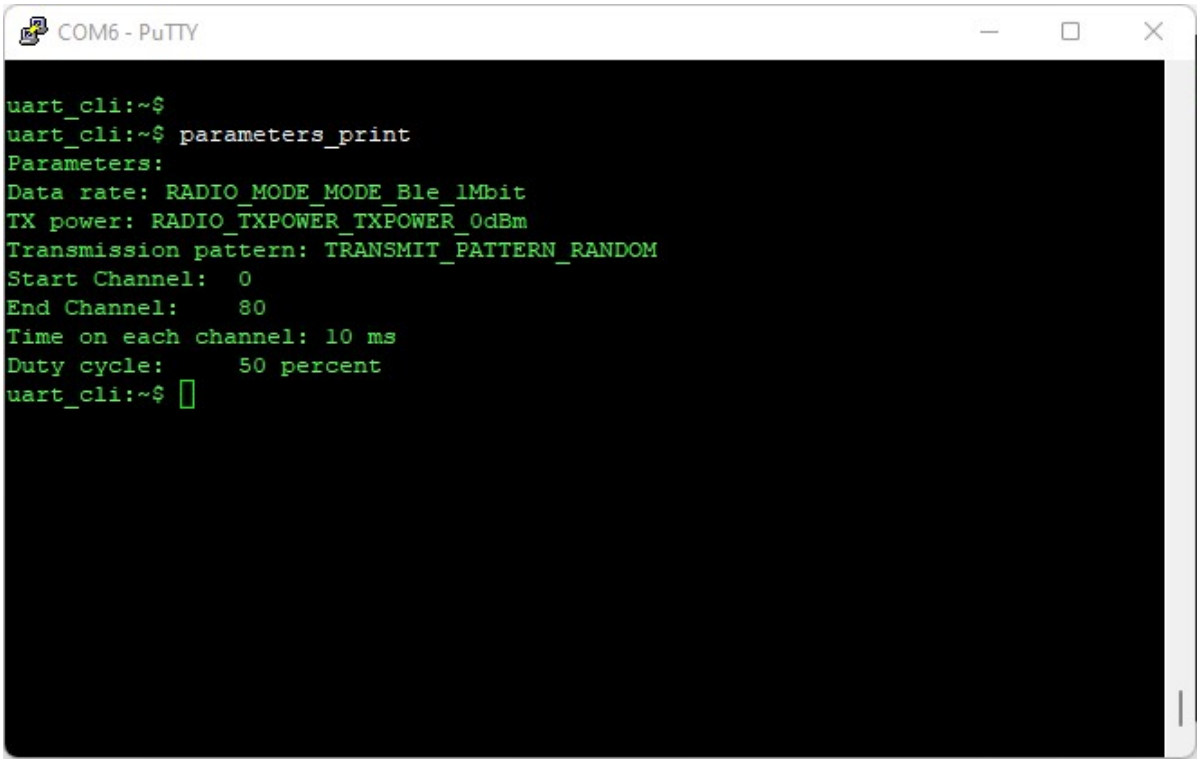


Launch a terminal on PC, baud rate 115200



Print the current settings:

```
parameters_print
```



Set output power:

```
output_power pos4dBm
```

Note: Available power setting are below in nrf52840_bitfields.h:

```
#define RADIO_TXPOWER_TXPOWER_Pos (0UL) /*!< Position of TXPOWER field. */
#define RADIO_TXPOWER_TXPOWER_Msk (0xFFUL << RADIO_TXPOWER_TXPOWER_Pos) /*!< Bit
mask of TXPOWER field. */
#define RADIO_TXPOWER_TXPOWER_0dBm (0x0UL) /*!< 0 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos2dBm (0x2UL) /*!< +2 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos3dBm (0x3UL) /*!< +3 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos4dBm (0x4UL) /*!< +4 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos5dBm (0x5UL) /*!< +5 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos6dBm (0x6UL) /*!< +6 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos7dBm (0x7UL) /*!< +7 dBm */
#define RADIO_TXPOWER_TXPOWER_Pos8dBm (0x8UL) /*!< +8 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg40dBm (0xD8UL) /*!< -40 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg30dBm (0xE2UL) /*!< Deprecated enumerator -  -40
dBm */
#define RADIO_TXPOWER_TXPOWER_Neg20dBm (0xECUL) /*!< -20 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg16dBm (0xF0UL) /*!< -16 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg12dBm (0xF4UL) /*!< -12 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg8dBm (0xF8UL) /*!< -8 dBm */
#define RADIO_TXPOWER_TXPOWER_Neg4dBm (0xFCUL) /*!< -4 dBm */
```

Select frequency:

```
start_channel fnum
```

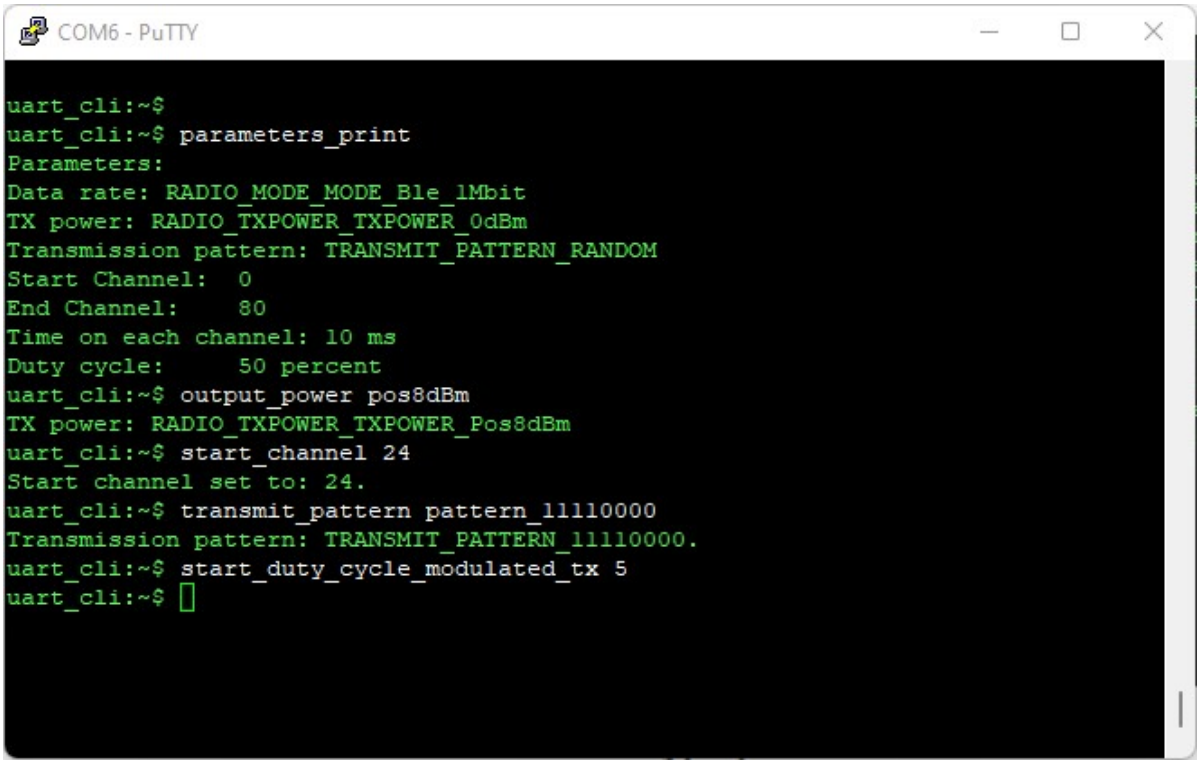
```
# The frequency will be   2400 Mhz+fnum Mhz
# For example 2424Mhz, type in 'start_channel 24'
```

Type pattern command:

```
transmit_pattern pattern_11110000
```

To start radio Tx, type:

```
start_duty_cycle_modulated_tx 100
```



Note: If the duty cycle is too low(like 5%), a lower power will be ovserved. It is recommended to use duty cycle >80%.

To stop radio Tx, type:

```
cancel
```

To start radio Rx:

```
start_rx
```

To stop radio Rx:

```
cancel
```