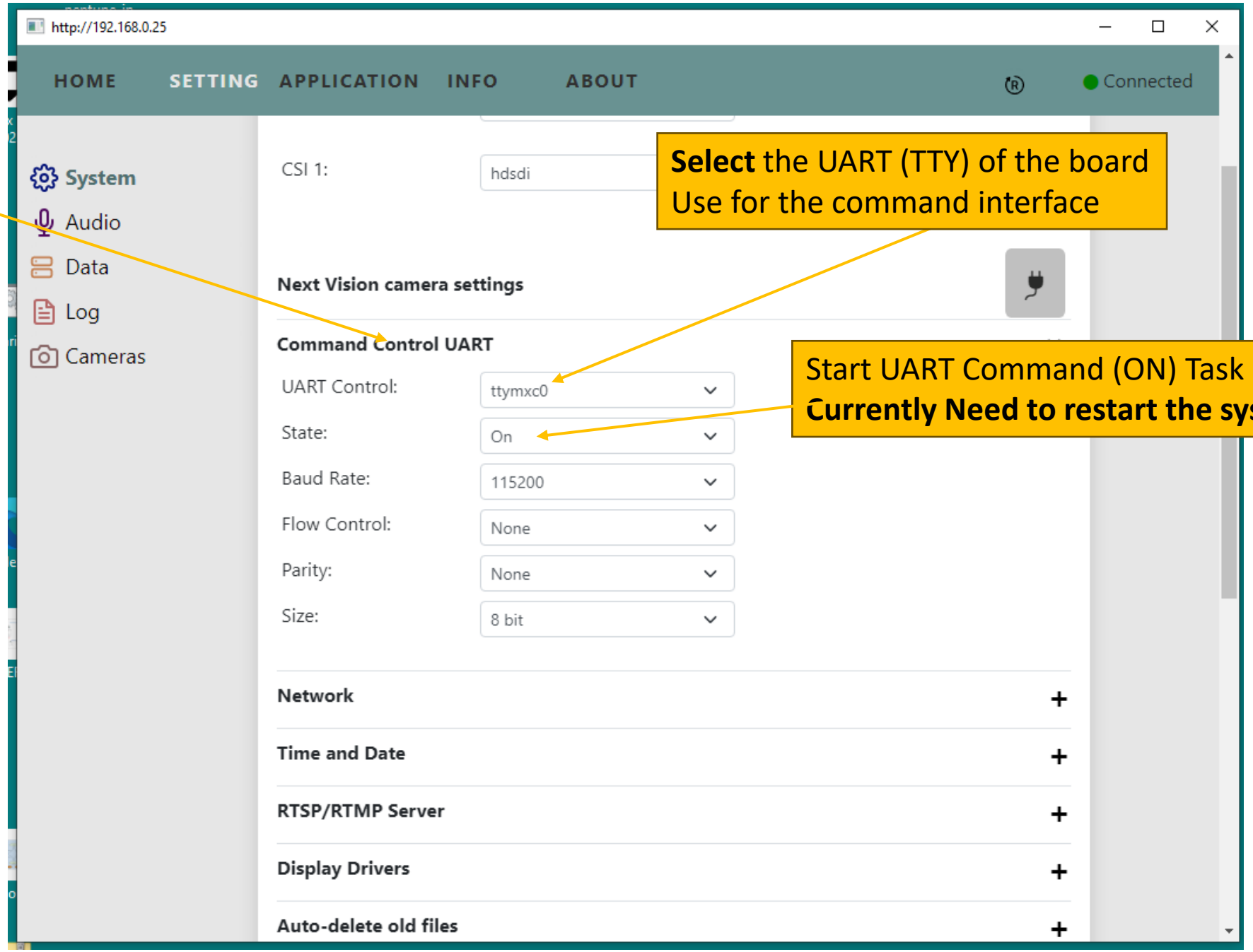
UART Command Control



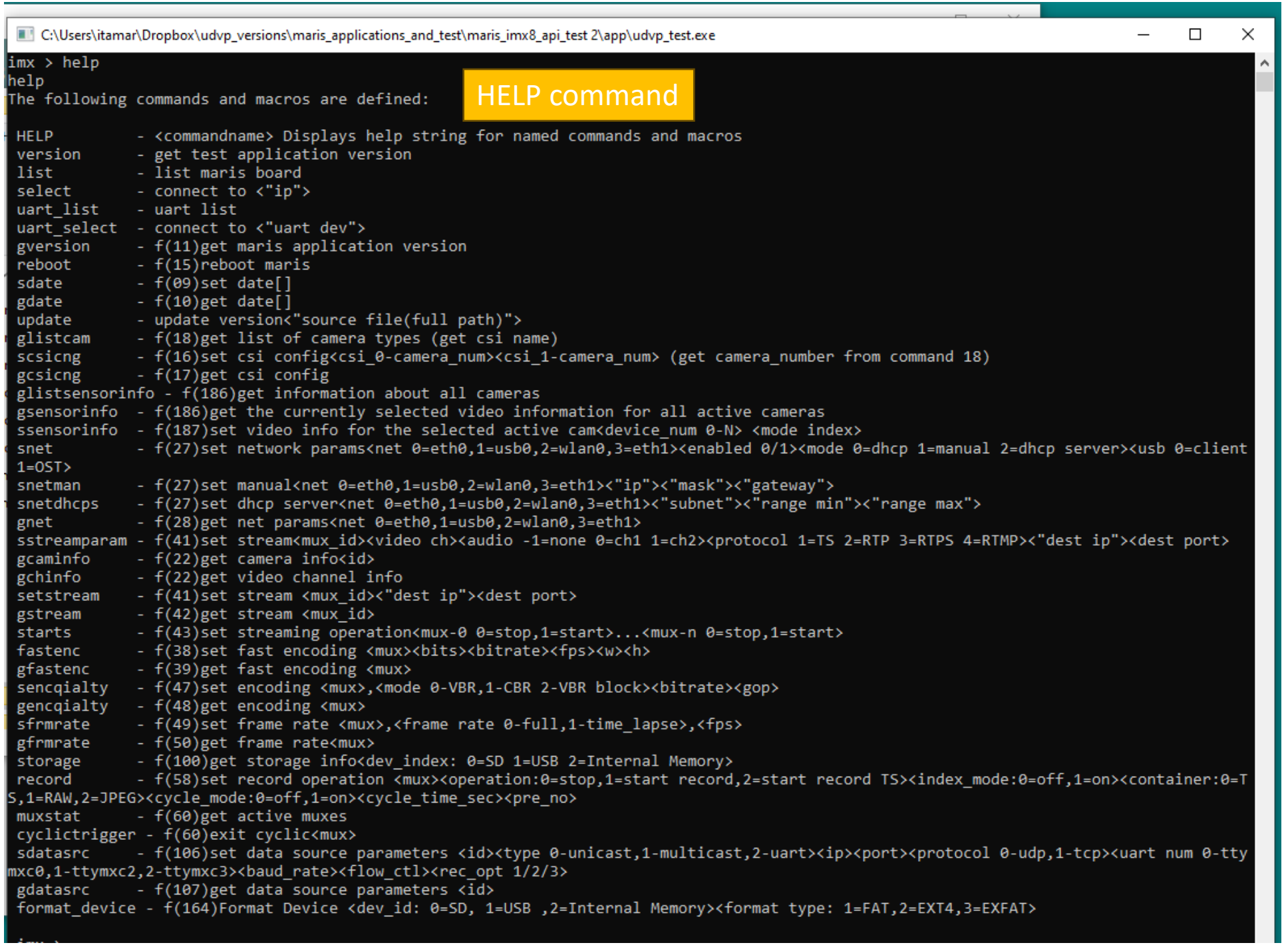
Select the UART (TTY) of the board
Use for the command interface

Start UART Command (ON) Task
Currently Need to restart the system

Maris IMX8 API Test

What does the Maris API Test include?

- PC QT Source code to test the imx8 API
- PC compile version that can be used immediately.
- The document of the test command includes parameters.

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imx > help
help
The following commands and macros are defined:

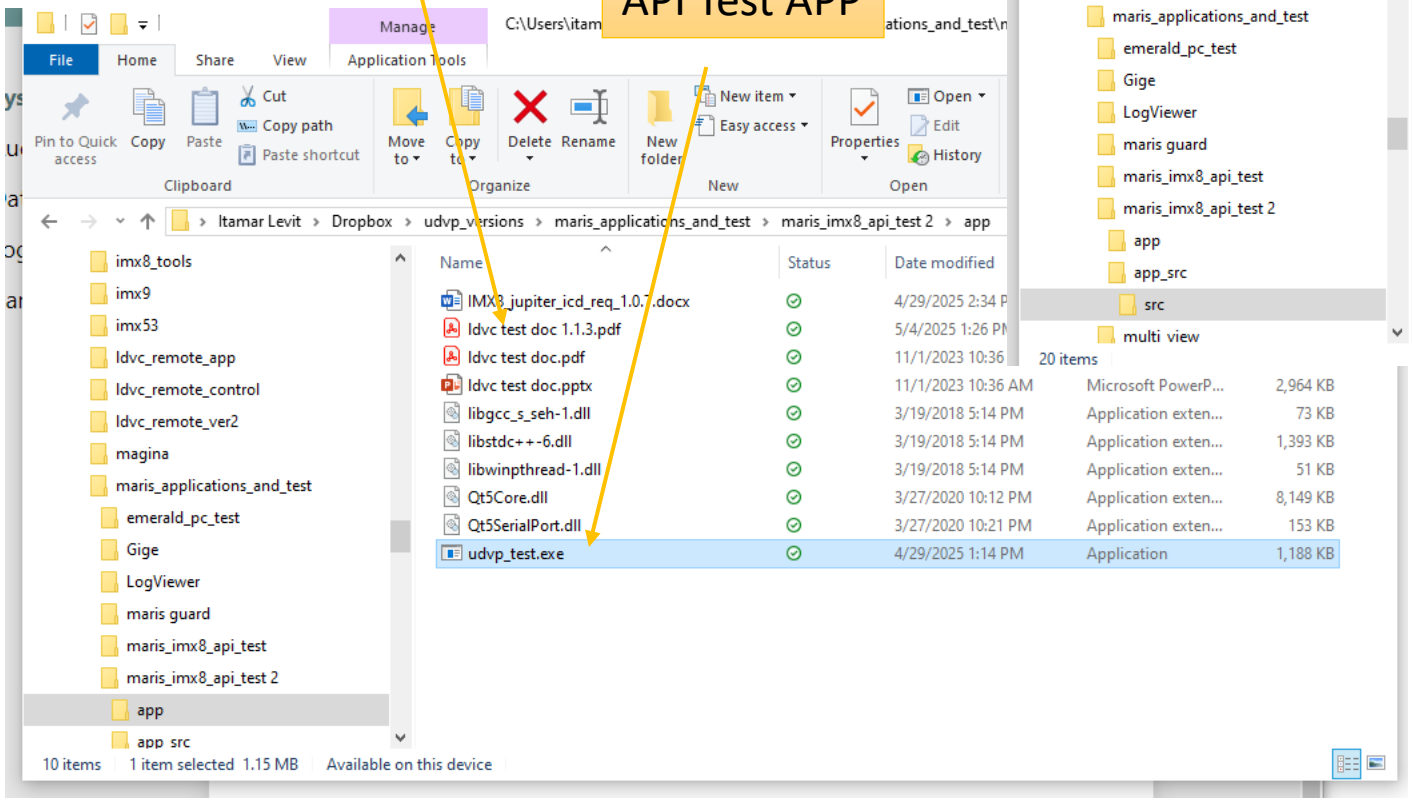
 HELP         - <commandname> Displays help string for named commands and macros
 version      - get test application version
 list         - list maris board
 select       - connect to <"ip">
 uart_list    - uart list
 uart_select  - connect to <"uart dev">
 gversion     - f(11)get maris application version
 reboot       - f(15)reboot maris
 sdate        - f(09)set date[]
 gdate        - f(10)get date[]
 update       - update version<"source file(full path)">
 glistcam     - f(18)get list of camera types (get csi name)
 scsicng      - f(16)set csi config<csi_0-camera_num><csi_1-camera_num> (get camera_number from command 18)
 gcsicng      - f(17)get csi config
 glistsensorinfo - f(186)get information about all cameras
 gsensorinfo  - f(186)get the currently selected video information for all active cameras
 ssensorinfo  - f(187)set video info for the selected active cam<device_num 0-N> <mode index>
 snet         - f(27)set network params<net 0=eth0,1=usb0,2=wlan0,3=eth1><enabled 0/1><mode 0=dhcp 1=manual 2=dhcp server><usb 0=client
 1=OST>
 snetman      - f(27)set manual<net 0=eth0,1=usb0,2=wlan0,3=eth1><"ip"><"mask"><"gateway">
 snetdhcps    - f(27)set dhcp server<net 0=eth0,1=usb0,2=wlan0,3=eth1><"subnet"><"range min"><"range max">
 gnet         - f(28)get net params<net 0=eth0,1=usb0,2=wlan0,3=eth1>
 sstreamparam - f(41)set stream<mux_id><video ch><audio -1=none 0=ch1 1=ch2><protocol 1=TS 2=RTP 3=RTPS 4=RTMP><"dest ip"><dest port>
 gcaminfo     - f(22)get camera info<id>
 gchinfo      - f(22)get video channel info
 setstream    - f(41)set stream <mux_id><"dest ip"><dest port>
 gstream      - f(42)get stream <mux_id>
 starts       - f(43)set streaming operation<mux-0 0=stop,1=start>...<mux-n 0=stop,1=start>
 fastenc      - f(38)set fast encoding <mux><bits><bitrate><fps><w><h>
 gfastenc     - f(39)get fast encoding <mux>
 sencqialty   - f(47)set encoding <mux>,<mode 0-VBR,1-CBR 2-VBR block><bitrate><gop>
 gencqialty   - f(48)get encoding <mux>
 sfrmrate     - f(49)set frame rate <mux>,<frame rate 0-full,1-time_lapse>,<fps>
 gfrmrate     - f(50)get frame rate<mux>
 storage      - f(100)get storage info<dev_index: 0=SD 1=USB 2=Internal Memory>
 record       - f(58)set record operation <mux><operation:0=stop,1=start record,2=start record TS><index_mode:0=off,1=on><container:0=T
S,1=RAW,2=JPEG><cycle_mode:0=off,1=on><cycle_time_sec><pre_no>
 muxstat      - f(60)get active muxes
 cyclictrigger - f(60)exit cyclic<mux>
 sdatasrc     - f(106)set data source parameters <id><type 0-unicast,1-multicast,2-uart><ip><port><protocol 0-udp,1-tcp><uart num 0-tty
mxc0,1-ttymxc2,2-ttymxc3><baud_rate><flow_ctl><rec_opt 1/2/3>
 gdatasrc     - f(107)get data source parameters <id>
 format_device - f(164)Format Device <dev_id: 0=SD, 1=USB ,2=Internal Memory><format type: 1=FAT,2=EXT4,3=EXFAT>
```

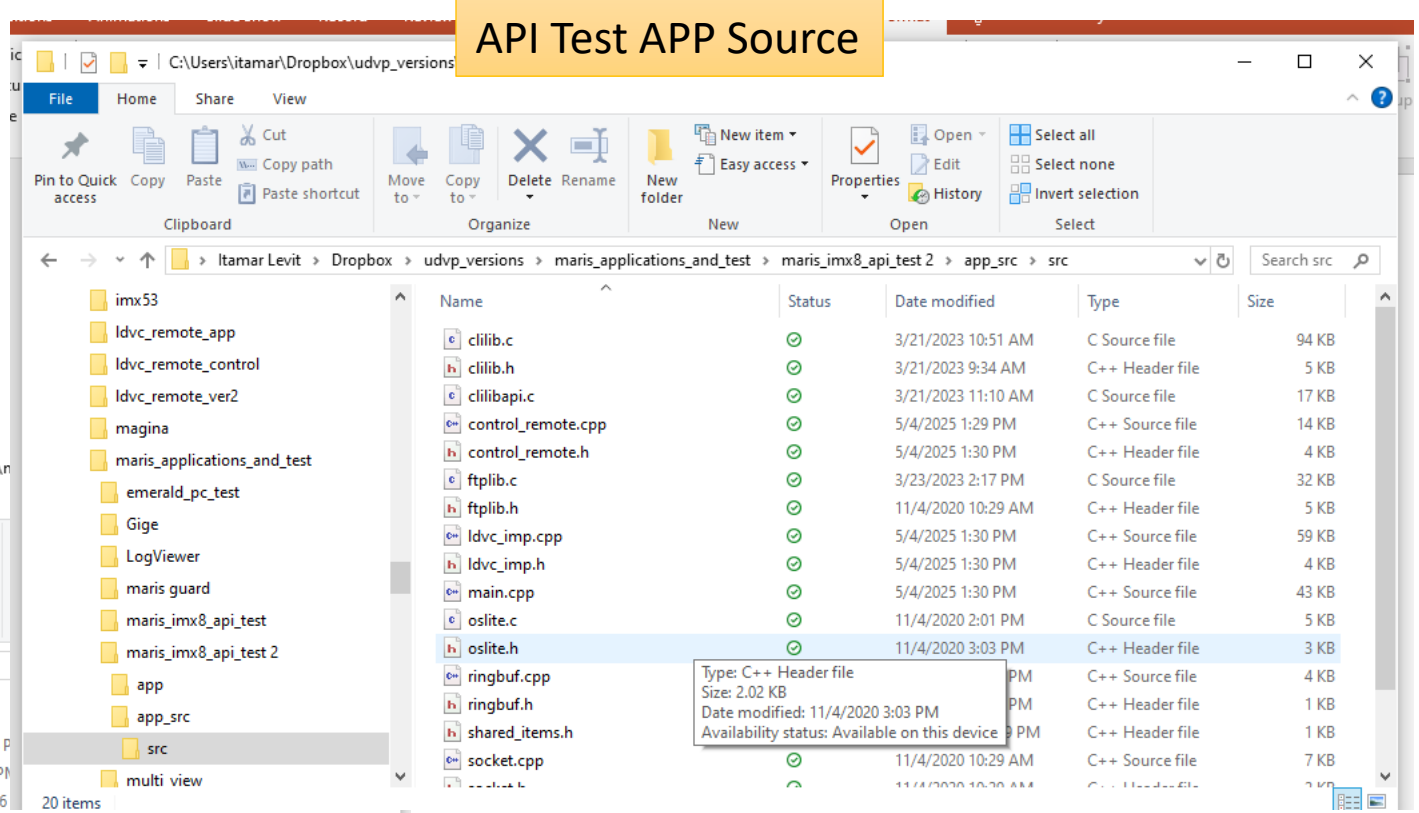
Test Command with UART

API Document

API Test APP

API Test APP Source





How to Use UART Command