

Traceability matrix

ID	Requirement	Related use case	Fulfilled by	Tests
1	A user inserts the battery and plugs the CES cable into the CES output jack, then hits the power button, and the Device starts running; then Attach the black ear clip on the CES cable to the left ear lobe and the red ear clip to the right ear lobe. After that, push and hold the power button until the green light above the power button lights up to turn on the device.	start device	MainWindow.ui, Power()	Turn on the device, and MainWindow will display the device interface, press and hold the start button, and the device will start; the buttons of various functions will be activated, and the power will start to drop.
2	A user presses the power button again to select a session length of 20 mins, 45 mins, or 3 hrs, then choose a session from the session list in the operator's manual; after that, press up or down in arrows to highlight a session number. The frequency of the highlighted session is displayed on the icons, the user presses the checkmark button to start the session, and then the number will blink to confirm the selection.	select session	MainWindow.ui, Gischecked(), cd_num(), LCD_timeout()	Select the mode, and detect whether the user has selected group, session, and strength at the same time for perfect treatment; the window can display the mode and strength selected by the user and exit by itself after the mode ends.
3	Oasis pro will check the connection; when the graph clears, adjust the intensity by pressing the up or down arrows; adjust until pulses can just barely be felt; Oasis pro will automatically shut off once the session is complete	adjust intensity	MainWindow.ui	When the group is activated, Oasis pro will be able to work, detect the intensity manually adjusted by the user, and give feedback on the intensity to the interface.