ID	Req	Use Case	Fulfilled by	Test	Description
1	User can turn on the device	Use Case 1: Power CES Device On	DeviceControl	Press and hold the power button.	Once device is turned on via the power button, the power LED turns on, the display turns on, and the battery is displayed.
2	Device turns off if no session is selected within 2 minutes	Use Case 2: Display Normal Battery Level	DeviceControl	Wait for 2 minutes without selecting anything for the session.	Device will turn off automatically upon inactivity for 2 minutes.
3	Battery is drained during running of session based on session length, intensity, and connection level	N/A	Battery	Run a session with differing intensities, times, and connection levels and view battery levels when indicated periodically.	Battery will be drained more quickly for higher intensities, longer times, and worse connection levels (OK connection will be worse than excellent).
4	Indicate battery level when normal	Use Case 2: Display Normal Battery Level	Battery, DeviceControl	Turn the CES device on to show the normal battery level, and wait for the battery level to be indicated periodically during session.	Graph will illuminate bars based on battery level for a few seconds, when the CES device is turned on, and periodically during a session.
5	Indicate battery level when low	Use Case 3: Display Low Battery Level Warning	Battery, DeviceControl	Wait for the battery level to be indicated periodically when it reaches 25% or less.	Graph will flash bars based on battery level for a few seconds and low battery message will be displayed on menu.
6	Indicate battery level when critically low	Use Case 4: Display Critically Low Battery Level Warning	Battery, DeviceControl	Wait for the battery level to be indicated periodically when it reaches 12% or less.	Graph will flash bars based on battery level for a few seconds, a critically low battery message will be displayed on menu, and if a session is running, it will be stopped prematurely.
7	Select a session frequency range(session type) and a duration	Use Case 5: Begin a Session	DeviceControl	Select a session frequency range and a duration by using the touch screen buttons	The selected button illuminates and it sets the session type and grabs thier preferred intensity level for the session type from the database and set therapy->intensity
8	Start a session	Use Case 5: Begin a Session	DeviceControl	Press the ok button and a seesion will start after running a connection test	After succefully running a connection test, the sessionTimer starts
9	Perform a connection test before start of session	Use Case 6: Connection Test	DeviceControl	Start a session to see the connection test be performed	When the select button is pressed to start a session, a connection test is first performed which involves the mode light blinking, and the graph displaying the level of connection - once connection is okay/excellent, it proceeds to start the session.
10	Adjust the intensity level	Use Case 7: Adjust Intensity	DeviceControl	Before starting a session or after the connection test, press the up/down button to increase/decrease inetensity level	When the up/down button is pressed, it calls pressUp()/pressDn() and lets you adjust the intensity level as long as it's a number between 1 and 8
11	User can update preferences	Use Case 8: Save Preferences	DeviceControl, DataBase	Adjust intensity and press ok button for more than a second	Ok button has onPressed() and onRelease() listeners. We calculate the time difference between those two actions; if it's more than a second then updatePreferences() fucntion is called which gathers information about the current intensity and passes the info to the database function to store the prefered intensity for the fiven session.
12	User can choose to record a therapy and add to the history of treatment.	Use Case 9: Record Session and Add to History	DeviceControl, DataBase	Start the session and press the save button to record the session. Press the display history button to check if the record is saved.	When the save button is pressed it calls the recordTherapy function, which gathers information about the current therapy and passes it to the database function to store a therapy record.
13	User can end the session	Use Case 10: Ending a Session	DeviceControl	Press btn_del when the session is in process	When the btn_del is pressed when the session is in progress, stopSession() function is called which resets the session timers and brings the user to the home screen.

| 14 | User can turn off the device | Use Case 11: Power CES Device Off | DeviceControl | Press the power button and the display turns off. | When there is a session in progress, press and hold the button for 2 seconds. |