

Traceability Matrix for Neureset Device:

ID	Requirement	Related Use Case	Fulfilled by	Implemented By	Tested By
1	Session initiation and management	Normal operations during a treatment session	NeuresetDevice, Model	NeuresetDevice.startSession(), Model.updateSessionStatus()	Session Initiation Test
2	Connection checks and alerts	Normal operations during a treatment session	UserInterface, NeuresetDevice	UserInterface.displayAlert(), NeuresetDevice.checkConnections()	Connection Test
3	Data recording and session completion	Normal operations during a treatment session	Session, PCInterface	Session.saveData(), PCInterface.uploadData()	Data Integrity Test
4	Display session history	View Neurofeedback Session History	PCInterface, UserInterface	PCInterface.retrieveSessionLogs(), UserInterface.displayLogs()	History Display Test
5	Battery management and alerts	Battery low response	NeuresetDevice, UserInterface	NeuresetDevice.monitorBattery(), UserInterface.showBatteryStatus()	Battery Management Test
6	Connection loss handling and alerts	Handling connection loss	NeuresetDevice, UserInterface	NeuresetDevice.detectConnectionLoss(), UserInterface.notifyConnectionLoss()	Connection Loss Test
7	Baseline EEG frequency calculations	Starting a Neurofeedback Session	Wave, Session	Wave.calculateDominantFrequency(), Session.manageSession()	Baseline Calculation Test