

Item #	User Needs Intended Uses	Design Inputs (Technical Requirement)	Acceptance Criteria Ideal/Goal	Limit	Design Outputs	Design Verification (Outputs = Inputs)	Design Validation (User Needs Met)
1.0	Customer Requirements (e.g. Functional)						
1.1	Detects seizure activity						
1.2	Alerts user and others through alarm						
1.3	Ability to stay attached while sleeping						
2.0	Product Performance Requirements (e.g. Mechanical)						
2.1	Detect clenching movements/other physical symptom						
2.2	Ability to detect seizure within x seconds						
2.3	Ability to produce sound as an alarm						
3.0	Biocompatibility Requirements						
3.1	Material is safe/non-toxic/irritant for skin						
3.2	Device can be worn for long periods of time (e.g. while sleeping)						
4.0	Regulatory Requirements						
4.1	Labeling of directions, intended use, and safety						
4.2	Accuracy of detection validation						
5.0	Interfaces with Other Systems						
5.1	Ability to send a separate alert to others around						
5.2	Ability to send information tracking the seizure						
6.0	Other						
6.1	Affordable						
6.2	Able to be used by different age groups (adult, child)						