

Engineering Specification #13 – Visual Feedback of Tilt

The purpose of this test is to verify that the illumination of the LED array on the feedback display is visible by the patient. The test will be conducted under a survey format of pass – yes the LED illumination is visible, or fail – no the LED illumination is not visible. The ideal value is that the majority of surveys yield a passing score, and the marginal value is that the majority of surveys yield a failing score.

Start Date: 5/14/08

Finish Date: 5/14/08

Engineers set-up experiment: Jonathan Bawas, Carl Mangelsdorf, James Nardo, Jeffrey Tempest, Jen Zelasko

Equipment Needed:

1. Five survey subjects

Experiment Set-up:

- 1.) **Have the subject ride the bike while the feedback display is powered on.**
- 2.) **Ask the subject while they are riding if the LED illumination is visible.**

of passing scores: 5

of failing scores: 0

Conclusions:

All 5 subjects gave a passing score for the LED visibility test. The ideal value for this specification has been met.