

Engineering Specification #6 – Auditory Feedback of Tilt

The purpose of this test is to determine the range decibel range of the feedback system speakers. The ideal value for this spec is 25 to 80 decibels, and the marginal value is 50 to 80 decibels.

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. None

Experiment Set-up:

- 1.) None

Conclusions:

The specifications provided by the manufacturers of the piezo audio indicators (speakers) say that at 12 volts the decibel range is 81 decibels. The audio indicator runs at 9 volts in our setup, giving a sound level of 60 dB. The ideal value for this specification has been met.