**Large Bean Amount Skinny Beanis Testing Procedure**

This procedure is mostly copy/paste from the [README.docx](https://drive.google.com/open?id=1F365PMmB5IJPdM78q6OBOJhAMAkld4fh&usp=drive_copy) for the *1-10 Bean Skinny Beanis*™ *Testing Procedure* as well as from Kamal’s [README](https://docs.google.com/document/d/1DvTum2n8vE5ZY1JV277kzkomQYF9PnXGHA5vUemYMiA/edit?tab=t.0) for the *LargeAmountBean2* tests. Current testing is being done on the most recent prototype (3/28/25). Testing is being conducted beginning at Profile 2 as Profile 1 has been ruled out during the *1-10 Bean Skinny Beanis*™ *Testing Procedure*. Results should be taken as preliminary and used only to create a baseline for further testing.

Procedure:

This test consists of taking 4 readings with a 2 second interval in between the readings. The test is run 4 times for each type of bean, with the beans being removed from the device and replaced between each test to simulate “shaking” the beans. The values are then averaged together.

Rather than photos of the values, use the program written by Chris to take the peak amplitude from the exptool IQ Reading.

The results will be placed in a spreadsheet in this drive

1. Take the reading of the tube with no beans.
2. Input the testing amount of beans (50 beans)
3. Let the program take 4 readings of the beans
4. Repeat step 2 - 4 with the same set of beans 3 more times

The recorded picture for each amount of beans will be found in the same folder this document is in and sorted by bean type.

**The naming convention for photos will be as follows**

**NameOfCoffee\_NumberOfBeans\_Before/AfterShaking**

**Henry NOTES:**

* Observations: Profile 2 using 50 beans is still not enough power for most bean types.
  + Profile 3 has some promise - need to dial in receiver gain setting as Profile 3 has crazy sensitivity - highly dependent on orientation of corner reflector - will most likely need a machined corner reflector specifically for the *Skinny Beanis*™ moving forward with testing.