**Team #\_\_\_ Subsystem Acceptance Checklist – SHIELD Sensors (ELC)**

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Passed (Y/N):\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Actual** | | **Required** |  |  |  |
| SPI Protocol *(SEN.1)* |  | | SPI Communication (Y/N) |  |  |  |
|  |  | |  |  | | |
| I2C Protocol *(SEN.2)* |  | | I2C Communication (Y/N) |  | | |
|  |  | |  |  | | |
| **POST Test Values** | | | | **Calibration Values** | | |
| **Analog Sensors** | | | | **Analog Sensors** | | |
| **Humidity** |  | Range | | **Humidity** | n/a |  |
| **Low-axis accels** X |  | Range | | **Low-axis accels** X |  | mV/g |
| Y |  | Range | | Y |  | mV/g |
| Z |  | Range | | Z |  | mV/g |
| **Mid-axis accels** X |  | Range | | **Mid-axis accels** X |  | mV/g |
| Y |  | Range | | Y |  | mV/g |
| Z |  | Range | | Z |  | mV/g |
| **High-axis accel**  Z |  | Range | | **High-axis accel**  Z |  | mV/g |
| **I2C Sensors** | | | | **I2C Sensors** | | |
| **Pressure** |  | | Range | **Pressure** | n/a |  |
| **Temperature** |  | | Range | **Temperature** | n/a |  |
| **Gyro**  X |  | | Range | **Gyro**  X |  | Offset (mV) |
| Y |  | | Range | Y |  | Offset (mV) |
| Z |  | | Range | Z |  | Offset (mV) |
| **SPI Sensors** | | | | **Geiger Counts** | | |
| **Flash** | **N/A** | | Connects  (Y/N) | Background Only |  | 5 to 10 |
| **SD** |  | | Connects  (Y/N) | With Radiation |  | > 100 |
|  |  | |  |  |  |  |
| Authorized by:  IT#1:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  IT#2:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
|  | | | |  |  |  |

This document is for verification of the Team #\_\_\_\_ RockOn flight unit prior to rocket integration.