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

Date:

Passed (Y/N):

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Actual** | | | **Required** | | | | |
| Grounding *(CHK.1)* |  | | | Isolated (Y/N) | | | | |
| *Grounding*  *(CHK.2)* |  | | | Isolated (Y/N) | | | | |
| **Power Regulation From SSR Pin 4 *(ACTIV.1)*** | | | | | | | | |
| Unarmed power |  | | | | 0V | | | |
| Armed  power |  | | | | Red ARM LED (Y/N) | | | |
| G-switch triggered |  | | | | Green ON LED (Y/N) | | | |
| **Power Lines *(ACTIV.2)*** | | | | | | | | |
| Regulated 1 |  | | | |  | | | |
| Regulated 2 |  | | | |  | | | |
| Unregulated |  | | | |  | | | |
| **Mass Budget *(ELC.1)*:** | | | | | | | | |
| SHIELD |  | | | | ≤ 1.77 oz. | | | |
| Arduino |  | | | | ≤ 1.31 oz. | | | |
| **Volume Budget** ***(ELC.2)*** | | | | | | | | |
| SHIELD |  | | | | | ≤ 8.9 in.^3 | | |
| Arduino |  | | | | | ≤ 5.5 in.^3 | | |
| **Power Budget *(PWR.1):*** | | | | | | | | |
| *9 Volt Bus Components PWR.1.1:* | | | | | | | | |
| Geiger |  | | | | | |  | |
| *3.3 Volt Bus Components PWR.1.2:* | | | | | | | | |
| Gyro Power |  | | | | | |  | |
| Pressure Sensor |  | | | | | |  | |
| Flash | N/A | | | | | |  | |
| SD |  | | | | | |  | |
| Low Range Acc |  | | | | | |  | |
| Medium Range Acc |  | | | | | |  | |
| *5 Volt Bus Components PWR.1.3:* | | | | | | | | |
| High Range Acc | | |  | | | | |  |
| Humidity | | |  | | | | |  |
| Authorized by:  IT#1:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  IT#2:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  | | | |  | | |

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