

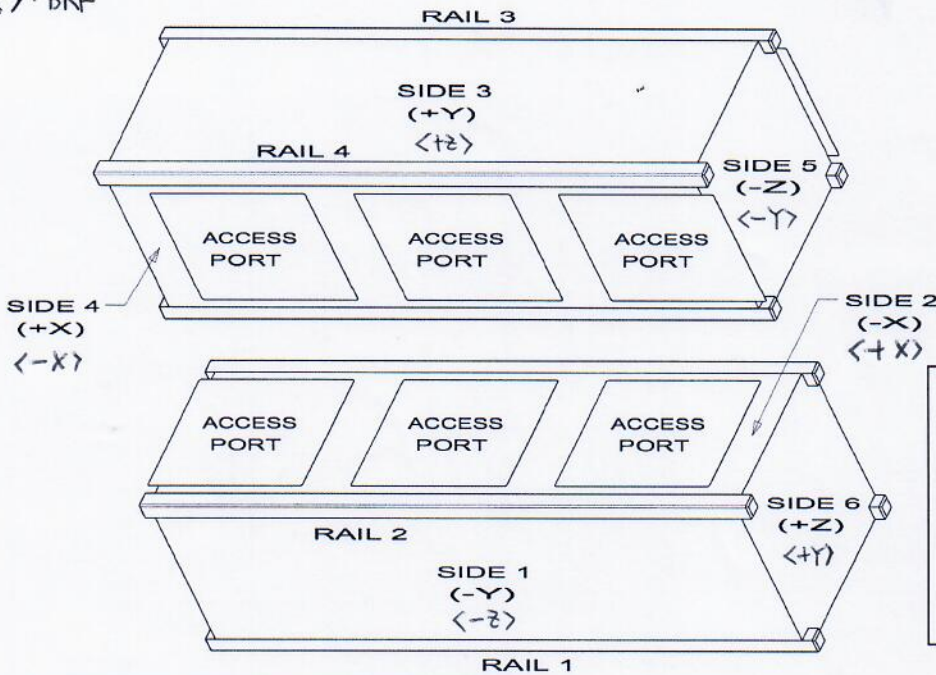
3U CubeSat Acceptance Checklist

Project: SIGMA Date/Time: 23 Jan 2016 / 16:07 Engineers: Seungwhan Lee (System Engineer)
 Organization: Kyung Hee University Location: B111, KHAO, KHU. (Clean Room)
 Satellite Name: KHU SAT-03 Satellite S/N: FM.

Mass (< 4 kg)	<u>2949.94g</u>	RBF Pin (≤6.5mm)	<u>2.34</u>
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	Rails Anodized	<u>Y</u> / N
Deployment Switches (Depressed)	Functional <u>Y</u> / N Flush with Standoff <u>Y</u> / N	Deployables Constrained	<u>Y</u> / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, 3U+ Protrusion, and any envelope violations.

* () : LRF
 * < > : BRF



Authorized By:
 IT #1: Seungwhan Lee
 IT #2: Jeongyeon Shin
 Passed: Y / N

3U+ Volume [N/A]
Length (Z): N/A ≤ 36mm
Diameter: N/A ≤ 64mm
3U+ Centered: Y / N

List Item	As Measured				Required	
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)		
	+Z	<u>99.96</u>	<u>99.99</u>	<u>100.09</u>	<u>99.95</u>	100.0 ^{+0.1} _{-0.1} mm
	Middle	<u>99.90</u>	<u>99.90</u>	<u>99.99</u>	<u>99.97</u>	100.0 ^{+0.1} _{-0.1} mm
-Z	<u>99.99</u>	<u>99.96</u>	<u>99.99</u>	<u>99.95</u>	100.0 ^{+0.1} _{-0.1} mm	
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X, +Y)		
					340.5±1.5mm	
+Z Standoffs	Rail 1 (+X, -Y) length x width <u>8.56 x 8.61</u>	Rail 2 (-X, -Y) length x width <u>8.53 x 8.55</u>	Rail 3 (-X, +Y) length x width <u>8.56 x 8.55</u>	Rail 4 (+X, +Y) length x width <u>8.54 x 8.53</u>	≥ 6.5mm	
-Z Standoffs	<u>8.56 x 8.56</u>	<u>8.54 x 8.56</u>	<u>8.55 x 8.56</u>	<u>8.54 x 8.55</u>	≥ 6.5mm	
Protrusions	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	Side 5 (-Z)	Side 6 (+Z)
	<u>5.42</u>	<u>5.37</u>	<u>7.15</u>	<u>5.57</u>	<u>6.47</u>	<u>5.36</u>

passed

passed

passed

* Measurement Equipment: Mitutoyo CD-30PSX, 0002906

(ISIPD: ≤ 9.0mm)