

## Attachment 2 Environmental resistance

### 1. Mechanical characteristics test

#### (1) Random vibration

- a. Vibration level: 5 to 2000 Hz, 21 Grms for each axis
- b. Duration: 3 minutes for each axis(X, Y and Z)

#### (2) Sinusoidal vibration

- a. Vibration level: 10 to 100 Hz, 25 G for each axis
- b. Duration: sweep rate 2 oct/min, bi-directional for each axis(X and Z)

### 2. Thermal and vacuum characteristics test

#### (1) Thermal cycling

-10<sup>+0/-5</sup>°C (Low) to +80<sup>+5/-0</sup>°C (High), 8 cycles

Hold time at High and Low temperature limits is one hour each.

#### (2) Vacuum: $\leq 10^{-4}$ Pa