

Drop Test Report

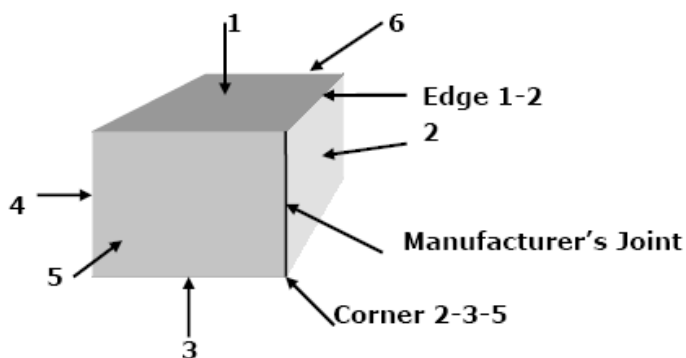
| | | |
|--|-------------------------------|----------------------------|
| Test Item: Drop Test | | File No: SDT-003898 |
| Product Name: IPPC1202 V-A1 | | Quantity: 1 |
| Date: 2015/7/3 | Temperature: 26.3°C | Humidity: 65.8%RH |
| Place: Sentenel Lab | Inspector: Chris Chiou | Leader: Tony Tsai |
| DUT Weight: 5.6Kg Carton: 489*363*224mm Packing Material: EPE | | |

Configuration:

| Item | Description | S/N |
|--------------------|---|--------------------|
| M/B | IB806-D25S V-1.0 | ZD01IB806---10030P |
| CPU | Intel® Atom™ Processor D2550 (1M Cache, 1.86 GHz) | C018ATOMG18615100P |
| PCH | Intel® CG82NM10 PCH | C01382NM100024000P |
| Heatsink | IPPC-1202-RE V-A1 | H051IPPC1202RE00AP |
| DIMM | Transcend / SO-DIMM DDR3L 2G/1600 1.35V [TS7W9SDSQ-I] | C0373900200081520P |
| HDD | TOSHIBA / 2.5" 500G SATAIII 5400RPM 7mm[MQ01ABF050] | A002SLSAG50010120P |
| Board-I | IP930 V-B1 | ZD05IP930---0B110P |
| Board-II | ID910 V-B1 | ZD06ID910---0B110P |
| LCD Panel | IVO / 12.1" TFT-LCD [M121GNX2 R1] | A003LCDM121GNX000P |
| Touch Panel | ELO / 12.1" 5-WIRE RESISTIVE ZERO-BEZEL [E803003] | A003LCDPANEL07600P |
| Controller | PENMOUNT / [6202B-CW5] | A008CTRL6202B0000P |
| Case | IPPC-1202-RE V-A1 | Y02IPPC12020A1100P |
| CTN | PBX102-907 | M05PBX10290701000P |
| EPE-I | EPE IPPC1202-RE LEFT 350*186*121mm | M091IPPC1202RE100P |
| EPE-II | EPE IPPC1202-RE RIGHT 350*186*171mm | M091IPPC1202RE200P |

Accessories:

| Item | Description | S/N |
|---------|--|--------------------|
| BOX | SI-28 348*113*53mm | M03SI28034011000AP |
| PW CORD | NORMAL183CM SL3<=>SL6(90D)W/O SHIELD | A030PCEUR03000000P |
| PSU | FSP / ADAPTER 84W 12V W/LOCK [FSP084-DIBAN2] | A005PS084W0070200P |

Test criterion:
- Orientation definition:

- Drop height definition:

| | |
|------------|--------|
| Weight | Height |
| ~9Kg | 92 cm |
| 9 ~ 23 Kg | 76 cm |
| 23 ~ 45 Kg | 53 cm |
| 45 ~ 68Kg | 41 cm |

Reference:

1. *ISTA-3A*
2. *MIL-STD-810G Method 516 Procedure II*
3. *ASTM D4169-05*
4. *MIL-HDBK-304C*
5. *CNS 10033*

- **Function Check**

- Every components works with Burn-In test program.

- **Appearance check**

- Mechanical parts no deform, lose or distortion.

- No burst phenomena on external carton

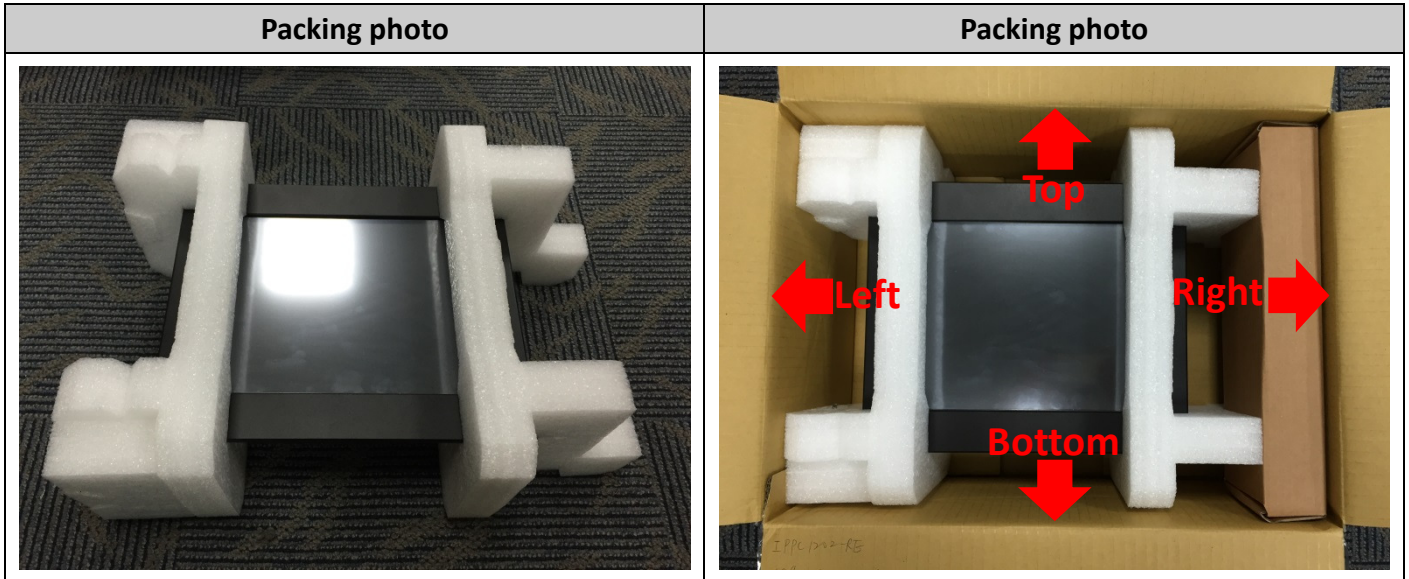
- No damage on accessory box or any accessory in the carton.

- **G-Sensor location**

- Parallel with DUT in normal stock orientation (not mandatory).

- On top of most weakness component.

Packing Material: EPE



Drop Lab (92cm)

Corner



Edge



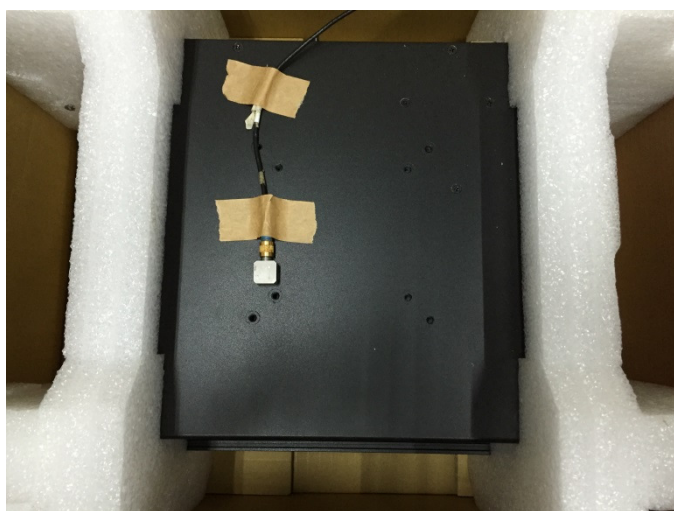
Edge



Edge



Sensor

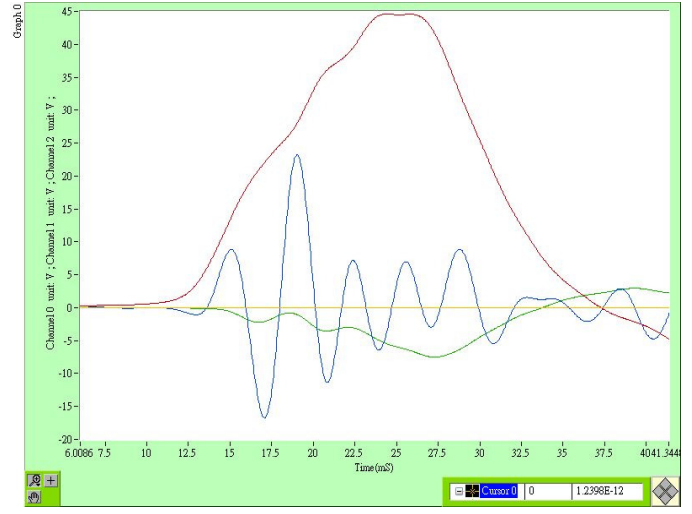


Sensor



Top

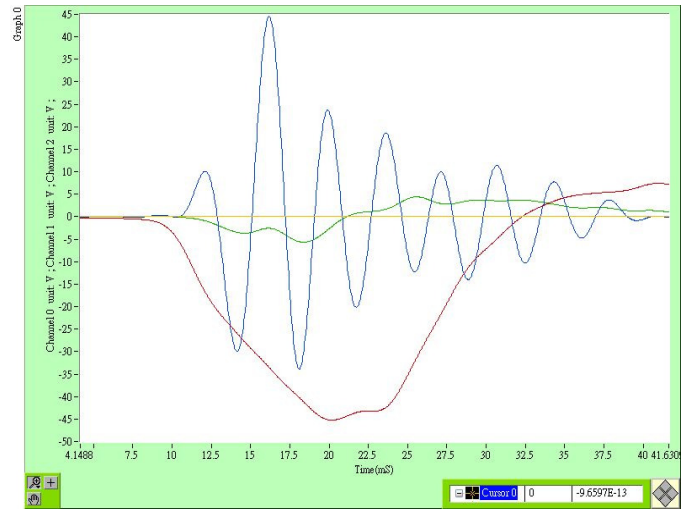
Top



Max: 44.60G

Bottom

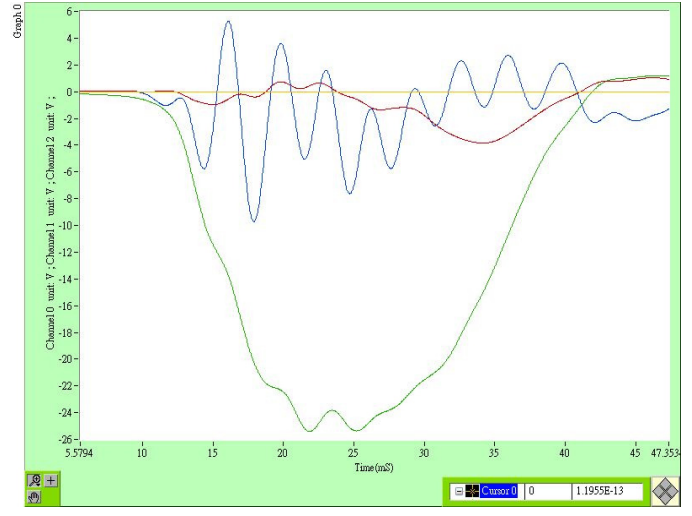
Bottom



Max: -45.23G

Left

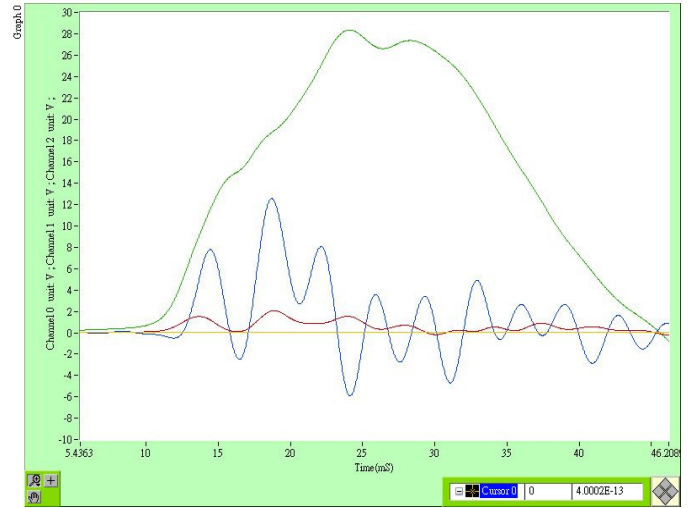
Left



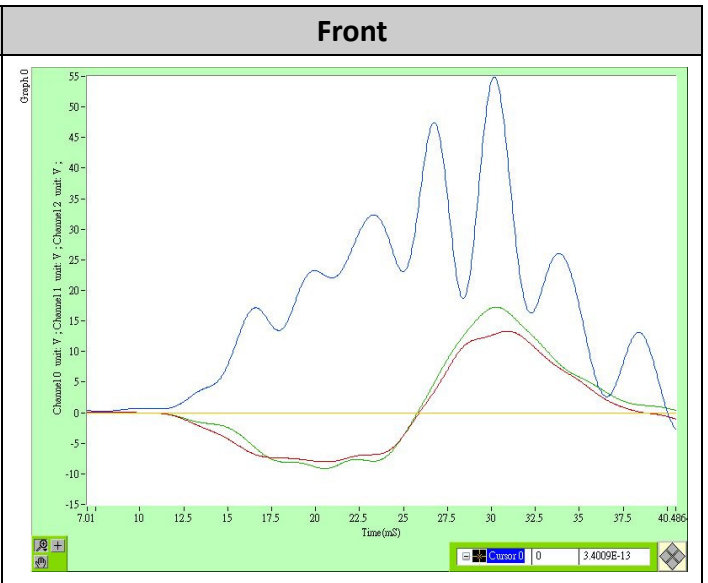
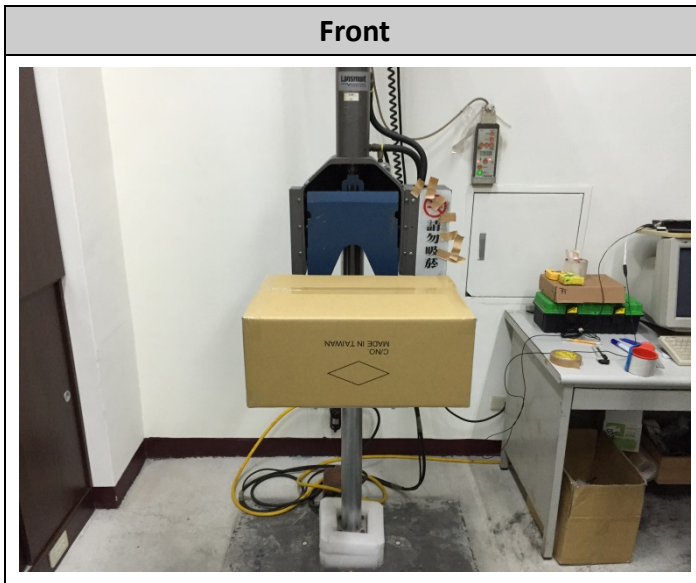
Max: -25.39G

Right

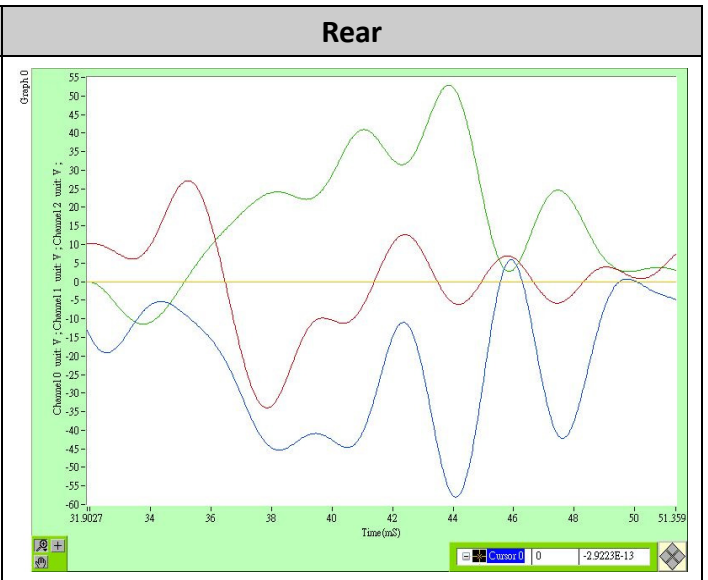
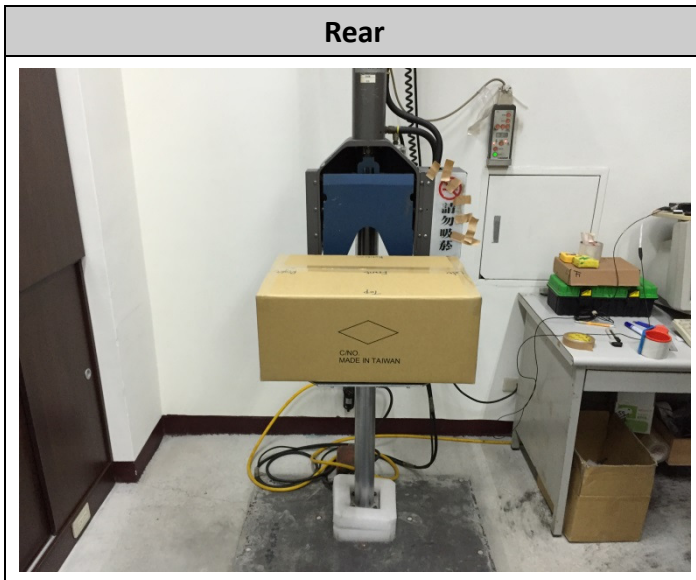
Right



Max: 28.34G



Max: 54.91G



Max: -58.00G

Test Result:

| Appearance Check | Functional Check | Conclusion Result |
|------------------|------------------|-------------------|
| PASS | PASS | PASS |