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TEST REPORT

REPORT NO : 2018MA0771	PAGE : 1 OF 6
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Applicant : ITHAD ENGINEERING SDN BHD
No.37, Jalan Taming 7,
Taman Taming Jaya, Balakong,
43300 Seri kembangan,
Selangor, Malaysia.

Manufacturer : ITHAD ENGINEERING SDN BHD
No.37, Jalan Taming 7,
Taman Taming Jaya, Balakong,
43300 Seri kembangan,
Selangor, Malaysia.

Product : 19" DATA CENTRE SERVER RACK

Reference Standard / Method of Test : MANUFACTURER'S SPECIFICATION
- Load Test

Description of sample / Description of Test Specimen : Brand: Primestar
Model: 42U Server Rack
Overall Dimension: 600(W)X1000(D)X2000(H) - mm
Sample Quantity: 1 unit

Date Received of Complete Application : 04 September 2018

Job No. : J20181390652

Description of Test Results / Overall Test Result : The test result of the submitted test sample is described on page 3&4 of this test report.

Issued Date : 27 September 2018

Approved Signatories;

(MOHD HAFIZOL BIN SHAAARI)
Testing Executive



(MOHD FAIZAR BIN MUSTAFA)
Head
Mechanical & Automotive Section
Testing Services Department

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TEST INFORMATION

19" DATA CENTRE SERVER RACK

Test Item : Load Test

Test Description :

1. Safe working load (SWL): 1500 kg
2. Safety factor (SF): 1
3. Total load: 1500 kg
4. Load for each tray: 150kg/tray
5. Test duration: 24 hours
6. Record the dimension between tray:
 - i. Before test
 - ii. Immediately after full test load is applied (0 hours)
 - iii. At 3 hours after load applied
 - iv. At end of the full test load period (24 hours)
 - v. At 1 hour after relaxation period (after load remove from tray)

Test Requirement : Record the deflection at each period of test and make the visual observation on each tray and any relative part of racking systems



Figure 1 19" Data Centre Server Rack

