

Panasonic uses an internationally recognized, independent research, engineering and evaluation laboratory who by contractual agreement with their clients does not allow the use of their name or logo because doing so may imply an endorsement of products or services. For this reason Panasonic has removed all references to said independent third party lab. Should you require the full unedited version, please contact your Panasonic representative.



Prepared for:

Panasonic Personal Computer Company  
50 Meadowlands Pkwy  
Secaucus, NJ 07094

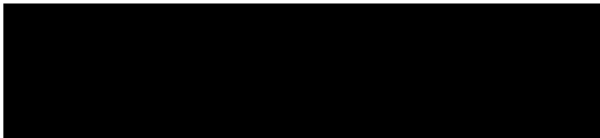
June 2009

Handwritten signature of Eric M. Domez in black ink.

Eric M. Domez  
Principal Engineer  
Structural Dynamics & Product Assurance Section

Handwritten signature of Jennifer Feiren in black ink.

Jennifer Feiren  
Manager  
Structural Dynamics & Product Assurance Section



# ENVIRONMENTAL TEST REPORT

PANASONIC CF-19, CF-30, CF-U1, & CF-H1

---

## 1 EXECUTIVE SUMMARY

---

Panasonic CF-19, CF-30, CF-U1, and CF-H1 computers were tested by ██████████ to determine the degree of equipment protection provided by their enclosures against dust and water. The Panasonic CF-19, CF-30, CF-U1, and CF-H1 computers met the IP65 level (against ingress of solid foreign objects: dust-tight; against ingress of water: jetting). Each computer successfully booted the Microsoft® Windows® operating system following each test listed in the test summary (Table 2.1) below. All tests were conducted using IEC 60529 as a guideline document.

---

## 2 TEST SUMMARY

---

*Table 2.1 Summary of IP65 Testing Performed on the CF-19, CF-30, CF-U1, and CF-H1 Computers*

Test Description	Test Parameters	Pass/Fail*			
		CF-19	CF-30	CF-U1	CF-H1
Dust	IP 6x level: dust-tight	Pass	Pass	Pass	Pass
Water	IP x5 level: jetting	Pass	Pass	Pass	Pass

\* "Pass" indicates that the computer had no deposit of dust observable inside the enclosure as a result of the test exposure and that there was no water intrusion inside the enclosure that was sufficient enough to interfere with the correct operation of the equipment. Each computer successfully booted Microsoft® Windows® following each test.