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MECHANICAL ENGINEERING DIVISION

June 23, 2022

TEST DATA SUMMARY

SwRI Project No: 18.18328.20

Customer Name: Panasonic System Communications Company
Two Riverfront Plaza
Newark, NJ 07102

Equipment Tested: Panasonic TOUGHBOOK 40

Test Date(s): Testing completed April 1, 2022

Test Reference: IEC 60529, "Degrees of Protection Provided by Enclosures (IP Code)," Ed. 2.2, 2013.

The Panasonic TOUGHBOOK 40 was tested at Southwest Research Institute for compliance to client-specified requirements of the referenced standard. Throughout the testing, the test item was evaluated for performance-affecting physical damage, and for its ability to successfully reboot the operating system following a non-operating test exposure. Results of the testing performed are summarized in Table 1 below.

This summary is provided for review while the final report is in progress, and is not intended to be a stand-alone document. A full report including detailed configuration information, test procedures and results will be issued as Southwest Research Institute (SwRI) Test Report 18.18328.20.100.FR2, Issue 1.

This summary shall not be reproduced, except in full, without written approval of Southwest Research Institute. The results of this summary apply only to the specific samples tested. If the manufacturer extends the test results to apply to other samples of the same model, or from the same lot or batch, the manufacturer should ensure the additional samples are manufactured using identical electrical and mechanical components and assembly procedures.

Approved by:



Jenny Ferren
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Table 1: Summary of Test Results - Panasonic TOUGHBOOK 40

TEST DESCRIPTION	IEC 60529	GENERAL PARAMETERS	RESULTS
Dust Protection	§13.6	IP6x – Dust-Tight, Settling Dust	Pass
Water Protection	§14.2.6	IPx6 – Protection against Powerful Jetting	Pass



Figure 1: Panasonic TOUGHBOOK 40 Unit Under Test