

Testing Summary 7160-0470 CF-D1 Docking Station

Summary of Tests Performed at Gamber-Johnson	
Test Description	Test Parameters
Vibration – Operational	 MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). Unit is unlocked Panasonic provided operating conditions
Vibration – Operational RF Connection	 MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously (3 hours total). Unit is unlocked Panasonic provided operating conditions Test is performed simultaneously with operational test. Test is monitored to record any breaks in RF connectivity during vibration.
Vibration – Non-Operational (Minimum Integrity)	 MIL-STD-810G, Method 514.6, Category 24, per Figure 514.6E-1. Test duration is one hour along three mutually orthogonal axes – not simultaneously. Unit is unlocked Panasonic provided operating conditions
Vibration – Non-Operational Sinusoidal	 10-200Hz Sine Sweep Panasonic provided operating conditions
Functional Shock - Non-Operational	 MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses 20G, 11ms half sine Unit is unlocked
Mechanical Shock Safety - Non-Operational	 MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses 40G, 11ms half sine Unit is unlocked
Cycle Testing – Non-Operational	10,000 cycles of the docking connector, latching and locking mechanisms
Electrostatic Discharge - Operational	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge

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Test Description	Test Parameters
Shock – Crash	SAE J1455, Section 4.11.3.5, per Figure 13
Hazard	Unit is unlocked
Test date: July 2013	
Electrical Safety	60950
Test date: April 2013	 IEC 60950-1/A1:2009
	• EN60950-1/A12:2011
	• CAN/CSA C22.2 No. 60950-1/A1:2011
	• UL 60950-1/R:2011-12
EMC Testing	EN 55022:2010/AC:2010
Test date: April 2013	CISPR 22 – Class B
	 FCC Part 15, Subpart B – Class B
EMC Testing	EN 50498:2010
Test date: October 2011	

Summary of Tests Performed at Independent Facility

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