

Testing Summary

FZ-G1 Family of Docking Stations and Cradles (7160-0486, 7160-0487, 7160-0489, 7160-0490)

Summary of Tests Performed at Gamber-Johnson

Test Description	Test Parameters
Vibration – Operational Test date: July 2013	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). <ul style="list-style-type: none"> • Unit is unlocked • Panasonic provided operating conditions
Vibration – Operational RF Connection Test date: July 2013	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). <ul style="list-style-type: none"> • 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) Test date: July 2013	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. <ul style="list-style-type: none"> • Unit is unlocked • Panasonic provided operating conditions
Vibration – Non-Operational Sinusoidal Test date: July 2013	10-200Hz Sine Sweep <ul style="list-style-type: none"> • Panasonic provided operating conditions
Functional Shock - Non-Operational Test date: July 2013	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 20G, 11ms half sine • Unit is unlocked
Mechanical Shock Safety - Non-Operational Test date: July 2013	MIL-STD-810G, Method 516.6, Procedure 1, 3 positive and 3 negative pulses each axis (vertical, longitudinal and transverse), 18 pulses <ul style="list-style-type: none"> • 40G, 11ms half sine • Unit is unlocked
Cycle Testing – Non-Operational Test date: July 2013	10,000 cycles of the docking connector, latching and locking mechanisms

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Electrostatic Discharge – Operational Test date: July 2013	ISO 10605, Section 8, Table C.2, Category 2 – Direct Air Discharge
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Summary of Tests Performed at Independent Facility

Shock – Crash Hazard Test date: July 2013	SAE J1455, Section 4.11.3.5, per Figure 13 <ul style="list-style-type: none"> • Unit is unlocked
EMC Testing Test date: July 2013	EN 55022:2010/AC:2010 <ul style="list-style-type: none"> • CISPR 22 – Class B • FCC Part 15, Subpart B – Class B
Safety Testing Test date: August 2013	60950 <ul style="list-style-type: none"> • 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 Test date: Sept 2013	ECE R10: 2012 Addendum 9, Revision 4

Other Certifications

Description
EN 50581:2012 RoHS2 Directive 2011/65/EU

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