

Testing Summary 7160-0515 V110 Docking Station Summary of Tests Performed at Gamber-Johnson

Operational Test date: Feb, 2014514.6C-1. axes - not • Un • Un • VeVibration - Operational RF Connection Test date: Feb, 2014MIL-STD-8 514.6C-1. axes - not • Un • Ve • Test duVibration - Vibration - Non-Operational (Minimum Integrity) Test date: Feb, 2014MIL-STD-8 duration is simultane • Un • Un • Ve • Test duration is simultane • Un • Un • Ve • Test duration is simultane • Un • Un • Ve • Test • Test date: Feb, 2014	B10G, Method 514.6, Procedure 1, Category 4, per Figure Test duration is one hour along three mutually orthogonal simultaneously (3 hours total). hit is unlocked rtical Profile used in all axes B10G, Method 514.6, Procedure 1, Category 4, per Figure
Test date: Feb, 2014axes – not • Un • VeVibration –MIL-STD-8Operational514.6C-1. axes – not 514.6C-1. axes – not • Un • VeRF Connection Test date: Feb, 2014• Un • Ve • Test duVibration –MIL-STD-8 duration is simultane • Simultane • Un 	simultaneously (3 hours total). hit is unlocked rtical Profile used in all axes
 Un Ve Vibration – Operational RF Connection Test date: Feb, 2014 Ve Test date: Feb, 2014 Ve Test date: Feb, 2014 Vibration – Non-Operational (Minimum Integrity) Test date: Feb, 2014 Un Un Ve Simultane Simultane Simultane Vibration – MIL-STD-8 MIL-STD-8 MIL-STD-8 	nit is unlocked rtical Profile used in all axes
 Ve Vibration – Operational S14.6C-1. axes – not 514.6C-1. axes – not Ve Un Ve Test date: Feb, 2014 Un Ve Test MIL-STD-8 duration is simultane simultane State: Feb, 2014 Un 	rtical Profile used in all axes
Vibration –MIL-STD-8Operational514.6C-1. RF Connection axes – notTest date: Feb, 2014• Un• Ve• Test• TestduVibration –MIL-STD-8Non-Operationalduration is(Minimum Integrity)simultaneTest date: Feb, 2014• UnFunctional Shock -MIL-STD-8	
Operational514.6C-1. RF Connection axes – notTest date: Feb, 2014• Un• Ve• Test• Test• TestduVibration –Non-OperationalMIL-STD-8(Minimum Integrity)• UnTest date: Feb, 2014• UnFunctional Shock -MIL-STD-8	10G Method 51/ 6 Procedure 1 Category / per Eiguro
RF Connection Test date: Feb, 2014axes – not • Un • Ve • Test • Test duVibration – Non-Operational (Minimum Integrity) Test date: Feb, 2014MIL-STD-8 	, we have stard, rideed it a calegoly 4, per ligure
Test date: Feb, 2014 • Un • Ve • Test du Vibration – Non-Operational (Minimum Integrity) Test date: Feb, 2014 • Un • MIL-STD-8 duration is simultane • Simultane • Simultane • MIL-STD-8	Test duration is one hour along three mutually orthogonal
 Ve Tes Tes Tes du Vibration – MIL-STD-8 duration is (Minimum Integrity) Test date: Feb, 2014 Un Functional Shock - MIL-STD-8 	: simultaneously (3 hours total).
Test date: Feb, 2014 Functional Shock - MIL-STD-8	it is unlocked
Test du Vibration – MIL-STD-8 Non-Operational (Minimum Integrity) Test date: Feb, 2014 Functional Shock - MIL-STD-8	rtical Profile used in all axes
Test du Vibration – MIL-STD-8 Non-Operational (Minimum Integrity) Test date: Feb, 2014 Functional Shock - MIL-STD-8	st is performed simultaneously with operational test.
duVibration –MIL-STD-8Non-Operationalduration is(Minimum Integrity)simultaneTest date: Feb, 2014UnFunctional Shock -MIL-STD-8	st is monitored to record any breaks in RF connectivity
Vibration –MIL-STD-8Non-Operationalduration is(Minimum Integrity)simultaneTest date: Feb, 2014UnFunctional Shock -MIL-STD-8	ring vibration.
(Minimum Integrity) Test date: Feb, 2014simultane UnFunctional Shock -MIL-STD-8	B10G, Method 514.6, Category 24, per Figure 514.6E-1. Test
(Minimum Integrity) Test date: Feb, 2014simultane UnFunctional Shock -MIL-STD-8	s one hour along three mutually orthogonal axes – not
Functional Shock - MIL-STD-8	ously.
	nit is unlocked
Non-Operational pulses eac	310G, Method 516.6, Procedure 1, 3 positive and 3 negative
	ch axis (vertical, longitudinal and transverse), 18 pulses
Test date: Feb, 2014 • 20	G, 11ms half sine
• Un	it is unlocked
Mechanical Shock MIL-STD-8	310G, Method 516.6, Procedure 1, 3 positive and 3 negative
Safety - pulses eac	ch axis (vertical, longitudinal and transverse), 18 pulses
Non-Operational • 40	G, 11ms half sine
Test date: Feb, 2014 • Un	nit is unlocked
Cycle Testing – 30,000 cyc	cles of the docking connector
Non-Operational	-
Test date: March 2014	
Cycle Testing – 10,000 cyc	cles of the latching and locking mechanisms
Non-Operational	
Test date: March 2014	
	5, Section 8, Table C.2, Category 2 – Direct Air Discharge
Discharge –	
Operational	
Test date: Feb, 2014	

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Summary of Tests Performed at Independent Facility	
Test Description	Test Parameters
Humidity Test date: March, 2014	MIL-STD 810G, Method 507.5, Procedure II, Aggravated, Table 507.5- IX
	 Ten 24-hour cycles, temperature varied from 30°C to 60°C to 30°C at constant 95% relative humidity.
Low Temperature:	MIL-STD 810G, Method 502.5, Procedure II
Operational Test date: March, 2014	 -10°C Operating, 2-hour duration
Low Temperature:	MIL-STD 810G, Method 502.5, Procedure I
Storage Test date: March, 2014	 -51°C Non-Operating, 4-hour duration
High Temperature: Operational Test date: March, 2014	 MIL-STD 810G, Method 501.5, Procedure II, Table 501.5-II, Induced Conditions Three 24-hour cycles, temperature varied from 30°C to 60°C to 30°C
High Temperature: Storage Test date: March, 2014	 MIL-STD 810G, Method 502.5, Procedure I, Table 502.5-III, Induced Conditions Seven 24-hour cycles, temperature varied from 33°C to 71°C to 33°C
Shock – Crash Hazard Test date: August, 2014	SAE J1455, Section 4.11.3.5, per Figure 13Unit is unlocked
EMC Testing Test date: April 2014	ECE R10: 2012 Addendum 9, Revision 4
EMC Testing Test date: February 2014	 EN 55022:2010/AC:2010 CISPR 22 – Class A FCC Part 15, Subpart B – Class A

Summary of Tests Performed at Independent Facility

Other Certifications

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

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