



MP15370

MFG PROC; HYDROSTATIC TEST FACILITY

REVISION F

MECHANICAL PRESSURE TEST REPORT DATA SHEET

(Sheet 1 of 2)

Item ID	Assy #:	MBART PD-211102	S/N(s):	MVC HOUSING
	Program	Mac's H Voltage Housing		
Ref. Info	Doc / Rev / Section#: (ie. Dwg / Rev / note#, MR / Rev / OP#, TP / Rev / Section#)			N/A
Parameters	Test Pressure $\pm$ tol (psi):	1785 $\pm$ 100	Ramp Rate $\pm$ tol (psi/min):	200-250 psi/min
	Number of Cycles:	5	Calculated Ramp Time: (total min. per ramp cycle)	6-8 min
	Dwell Time(s):	1 min / overnight	Temperature:	66°
Cal Info	Gauge Tool ID:	Ash 003	Gauge Cal Due:	15 JUNE 2022

Parameters checked by:
(Cognizant Engr / Mfg Supervisor.
Must be other than operator.)

Mayde

Date: 3/10/2022

COMPLETE THE ABOVE PRIOR TO START OF TEST

CYCLE NO.	TIME	PRESSURE	TEMP.	NOTES (Log actual ramp rates, hold times, conditions, etc.)
1	1349	Q	66°	Good Condition
	1349	1785		10 min hold
	1359	83		START RAMP UP
	1408	1785		1809 (Dig Ref) 1 min hold
	1409	1785		
2	1415	Q		@ Q / START RAMP UP
	1423	1785		1813 (Dig Ref) 1 min hold
	1424	1785		
3	1434	Q		@ Q / START RAMP UP
	1441	1785		1815 (Dig Ref) Overnight hold
	1555	1785		1809 (Dig Ref)
3/11/22	0705	1785	61°	1797 (Dig Ref)
	0712	Q		
4	0715	Q		START RAMP UP
	0722	1785		1810 (Dig Ref) 1 min Hold

Test Performed by: Ryan Bass

Date: 3-10/11-2022

QC Test Verification: Krista Breckle

QC Date: 3-10/11-2022

NOTE: ONE COPY OF ALL SHEETS TO BE PLACED IN THE MR WITH THE OP BEING PERFORMED, ORIGINAL COPY TO REMAIN IN THE PRESSURE TEST LOG BOOK.

L3HARRIS PROPRIETARY INFORMATION

10	Increase pressure to Test Pressure in Step 3. Hold at this pressure for at least 1 minute .	Record actual PSI: 1785	
11	Relieve test chamber pressure to ambient		
12	Increase pressure to Test Pressure in Step 3. Hold at this pressure for at least 1 minute .	Record actual PSI: 1785	
13	Relieve test chamber pressure to ambient.		
14	Increase pressure to Test Pressure in Step 3. Hold at this pressure for at least 60 minutes . 3-10-22 3-11-22 Start: 1441 End: 0715	Record actual PSI: 1785 Total hold time: OVERNIGHT	
15	Relieve test chamber pressure to ambient and vent/drain the chamber. Remove housing.		
16	Document any anomalies or failures in final report.		
17	If there is no obvious sign of leakage, continue on with other testing i.e. helium leak test, to confirm water-tightness.	Condition: PERFECT	

Pressure test procedure for MARS high voltage housing. To be performed at L3Harris facility in Goleta, CA.

1	Test Pressure to be used: 1785 psi (equivalent to 1200m x 1.487psi/m) NOTE: The specified pressure should be maintained during the test within +/- 1 gage graduation, or the equivalent for digital gages.	Approval of test pressure by System or Design Engineer: <i>KNUTE BEEKER</i>	
2	Pressure hold times are minimum requirements.		
3	Perform testing in accordance with the Test Facility safety and test procedures and requirements.		
4	Record test start time and date.	Time: 1349 Date: 3-10-2022	
5	Test facility: L3 HARRIS, Goleta		
6	Record pressure test gage ID. or Serial Number, and calibration due date. ID. <u>Ash 003</u> Cal due date <u>15 June 2022</u>		
7	Verify all connectors have plugs or dummy connectors installed and secure. Verify plugs and/or vents are secure. Verify housing clamps are in place and secure.	<i>L3</i>	
8	Secure unit in pressure test chamber.		
9	Increase pressure to the lowest readily achievable pressure between 5 psi and the incoming city water supply pressure. Hold at this pressure for at least 10 minutes.	Record actual PSI: 83 psi	