


Engineering Report 49994-1

Free-Fall Drop Test

for

SEAHORSE

Prepared by

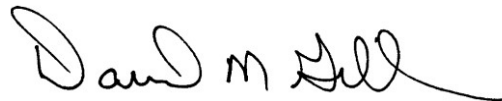


Phillip M. Toftely, Test Engineer



Daniel J. Larson, Senior Test Technician

Approved by



David M. Gillen, Vice President

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Job number 49994 - 1

 Test date(s) 4-25-14

 Company Seahorse
 Device Case
 Model number SE 520
 Serial number N/A
 Test description Free Fall Drop
 Specification MIL-STD-3010C
 Section 5.5.2

 DCAS Certified witness

 Witness Customer present

 Explain in results section Interruption
 Specification deviation
 Specification approved by client (initial) _____

Equipment list
770-029
503-213
Test conditions and summary

 Weight added to test unit 27.5 lbs ✓
 Drop height 25"

Drop #1 Bottom	✓	Drop #15 Edge 9	✓
Drop #2 Top	✓	Drop #16 Edge 10	✓
Drop #3 Front	✓	Drop #17 Edge 11	✓
Drop #4 Back	✓	Drop #18 Edge 12	✓
Drop #5 Right	✓	Drop #19 Corner 1	✓
Drop #6 Left	✓	Drop #20 Corner 2	✓
Drop #7 Edge 1	✓	Drop #21 Corner 3	✓
Drop #8 Edge 2	✓	Drop #22 Corner 4	✓
Drop #9 Edge 3	✓	Drop #23 Corner 5	✓
Drop #10 Edge 4	✓	Drop #24 Corner 6	✓
Drop #11 Edge 5	✓	Drop #25 Corner 7	✓
Drop #12 Edge 6	✓	Drop #26 Corner 8	✓
Drop #13 Edge 7	✓		
Drop #14 Edge 8	✓		

Findings
No signs of case damage noted
Disposition Retained at Environ Returned to client Other

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QAF 5.3.1 REV C: 4-15-2010

 Test performed by Dave

Figure 4-4: Free-Fall Drop Test data sheet (4 of 11)