QualityTesting
SERVICES

TEST CERTIFICATE
Certificate # C22107A

Client:	Cameron Moore/Jenn Pregowski MAX Interactive 130 McCormick Costa Mesa, CA 92626	Phone: (888) 799-6837 x1102 Fax**:** N/A Email: jenn@maxcases.com

Test Site:	Quality Testing Services 15661 Producer Lane, Unit H Huntington Beach, CA 92649	Phone: (714) 903-1155 Email: Eric@qualitytest.net

Quote #	Verbal
Job number #	22107A
PO #	Unk
Product Tested:	**Lenovo N-23 Chrome Book, Extreme Shell 2.0**

Authorization

Tom Prendergast	2-22-2018
Test Performed By	Test Date(s)
Eric Gerlach	2-22-2018
Test Certificate Author Owner	Date

Testing Performed

Description	Specification / Paragraph	Test levels	Notes
Transit Drop Test	MIL STD 810G, Method 516.6, Paragraph 4.6.5.3, Procedure IV	Drop on each face, edge and corner for a total of 26 drops.	On right face drop, some slight scuffing appeared on the upper right corner of the case. On bottom face drop, slight scuffing appeared on bottom right corner. On right bottom edge drop, top of case separated from laptop. No laptop damage noted. On top left edge drop, case slightly separated following drop. No damage to laptop noted On top right corner drop, minor scuffing was present on top right corner. Laptop did not appear to have any visible damage following drop testing. Minor scuffing was present on case. Device was fully operational at the conclusion of drop testing.

Biasing / Monitoring:

The unit was in sleep mode during the test procedure. Following drop testing, device remained fully operational.

Test Equipment:

Equipment Name	Model #	Serial #	Calibration Due

Drop Test Breakdown:

Angle	Pass	Fail	Notes
Front Face	X		
Back Face	X		
Top Face	X		
Bottom Face	X		Minor scuffing on bottom right corner
Right Face	X		Case separated on upper right corner
Left Face	X		
Top Right Edge	X		
Top Left Edge	X		Slight separation, no damage
Top Front Edge	X		
Top Back Edge	X		
Bottom Right Edge	X		Top of case separated from laptop. No damage to laptop.
Bottom Left Edge	X		
Bottom Front Edge	X		
Bottom Back Edge	X		
Right Front Edge	X		
Right Back Edge	X		
Left Front Edge	X		
Left Back Edge	X		
Top Right Front Corner	X		Minor scuffing
Top Right Back Corner	X		
Top Left Front Corner	X		
Top Left Back Corner	X		
Bottom Right Front Corner	X		
Bottom Right Back Corner	X		
Bottom Left Front Corner	X		
Bottom Left Back Corner	X		

Pictures

Pre-test photo of Top of Laptop

Pre-test photo of Bottom of Laptop

Minor scuffing on case

Case separation

Drop Test