



# RAM Mounts Testing Summary

## EZ-Roll'r™ Dock for Zebra ET4X 10in

### Products Covered      Accompanying Power Supplies

|                  |                     |
|------------------|---------------------|
| RAM-HOL-ZE21U    | RAM-GDS-CHARGE-V9U  |
| RAM-HOL-ZE21PU   | RAM-GDS-CHARGE-V10U |
| RAM-HOL-ZE21PDU  |                     |
| RAM-HOL-ZE21PD2U |                     |



| Test   | Description  |
|--|--|
| <b>Vibration – operational</b>                       | MIL-STD-810H, Method 514.8, Table 514.8C-VII, Category 4. Tested performed with unlocked dock and device oriented vertical, transverse, and longitudinal. 1 hour each axis, 3 hours total. |
| <b>Functional Shock - operational</b>                | MIL-STD-810H, Method 516.8, Procedure 1, 3 positive and 3 negative pulses per vertical, longitudinal, and transverse axis. 18 total pulses. Pulses are 20G, 11ms terminal peak sawtooth.   |
| <b>Pogo Pins – Cycle rating</b>                      | Pogo pins rated to 100k cycles   |
| <b>USB Validation Protocol, Speed, Power</b>         | NPI Developed Testing Specification for USB 2.0 Compliance up to 480Mbps, 4.75-5.25VDC @ 900mA per port  |
| <b>Power Supply Input Voltage Tolerance</b>          | NPI Developed Testing Specification for Cycle Testing of Input Voltage and variable current  |
| <b>Power Supply Output Voltage Tolerance</b>         | NPI Developed Testing Specification for Cycle Testing of Output Voltage and variable current   |
| <b>Power Supply Load Test</b>                        | NPI Developed Testing Specification for Cycle Testing of Output Voltage and variable current   |
| <b>Regulatory Compliance</b>                         | FCC, IC CE, RoHS, WEEE   |
| <b>Safety, Emission, Immunity (Ram Power Supply)</b> | CE EN:55032, EN 55035, IEC 61000-6-1, EN 62368-1, e-Mark   |