



## TESTING SUMMARY

### Trimline Dock and Cradle for Dell 7030 Tablet Dock

(AS7.D922.100 | AS7.D922.104 | AS7.D922.110)

| Test Description                                                               | Test Parameters                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Vibration: Operational</b><br><i>Test date: Sept 2023</i>                   | MIL-STD-810H, Method 514.8, Procedure 1<br>Test duration is one 1 -hour cycle a long three mutually orthogonal axes – not simultaneously (3 hours total).<br><ul style="list-style-type: none"> <li>Unit is unlocked.</li> </ul> |
| <b>Vibration: Non-Operational</b><br><i>Test date: Sept 2023</i>               | MIL-STD-810H, Method 514.8, Procedure 1,<br>Test duration is 1-hour along three mutually orthogonal axes – not simultaneously (3 h ours total).<br><ul style="list-style-type: none"> <li>Unit is unlocked</li> </ul>            |
| <b>Mechanical Shock Safety: Non-Operational</b><br><i>Test date: Sept 2023</i> | MIL-STD-810H, Method 516.8, Procedure 1<br><ul style="list-style-type: none"> <li>40G, 11ms half sine</li> <li>Unit is unlocked</li> </ul>                                                                                       |
| <b>Mechanical Shock Operational</b><br><i>Test date: Sept 2023</i>             | MIL-STD 810H Method 516.8, Procedure I,<br><ul style="list-style-type: none"> <li>20G, 11ms half sine. Unit is unlocked</li> </ul>                                                                                               |
| <b>Cycle Test: Non-Operational</b><br><i>Test date: Sept 2023</i>              | 30,000 cycles of the docking connector, latching and locking mechanisms                                                                                                                                                          |
| <b>Mechanical Shock (Crash Hazard)</b><br><i>Test date: July 2026</i>          | MIL-STD-810G CHG 1, Method 516.7, Procedure 5, SRS: 2 positive and 2 negative pulses along three mutually orthogonal axes (12 shocks in total).<br>75g SRS                                                                       |
| <b>Shock – Crash Hazard: Non-Operational</b><br><i>Test date: Sept 2023</i>    | SAE J1455, Section 4.11.3.5, per Figure 13<br><ul style="list-style-type: none"> <li>Unit is unlocked</li> <li>Unit is tested in front to back and side to side orientations</li> </ul>                                          |
| <b>EMC Testing</b><br><i>Test date: Oct 2023</i>                               | <ul style="list-style-type: none"> <li>FCC Part 15, Subpart B</li> <li>ICES-003 Issue 7</li> <li>CISPR 32/EN 55032:2012/AC:2013</li> <li>EN 50498:2010</li> </ul>                                                                |
| <b>Low Temperature: Operational</b><br><i>Test date: Oct 2023</i>              | MIL-STD 810G: CHG1, Method 502.5, Procedure II<br><ul style="list-style-type: none"> <li>-30°C [-22°F] Operational, 24 hours</li> </ul>                                                                                          |
| <b>Low Temperature: Storage</b><br><i>Test date: Oct 2023</i>                  | MIL-STD 810G: CHG1, Method 502.6, Procedure I<br><ul style="list-style-type: none"> <li>-46°C [-51°F] Non-Operational, 24 hours</li> </ul>                                                                                       |
| <b>High Temperature: Operational</b><br><i>Test date: Oct 2023</i>             | MIL-STD 810G: CHG1, Method 501.6, Procedure II<br><ul style="list-style-type: none"> <li>63°C [145°F], Operational, 24h per cycle, 5 cycles</li> </ul>                                                                           |
| <b>High Temperature: Storage</b><br><i>Test date: Oct 2023</i>                 | MIL-STD 810G: CHG1, Method 501.6, Procedure I<br><ul style="list-style-type: none"> <li>85°C [185°F] Non-Operational, 72 hours</li> </ul>                                                                                        |
| <b>Humidity</b><br><i>Test date: Oct 2023</i>                                  | MIL-STD 810G Method 507.5, Procedure II, Aggravated, Figure 507.6-7<br><ul style="list-style-type: none"> <li>Ten 24-hour cycles, temperature varied from 30°C [86°F] to 60°C [140°F] to</li> </ul>                              |

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|                                                    |                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                    | 30°C [86°F] at constant 95% relative humidity.                                                                                                                                        |
| <b>Thermal Shock</b><br><i>Test date: Oct 2023</i> | MIL-STD-810G: CHG1, Method 503.6 <ul style="list-style-type: none"> <li>Three cycles from 85 °C[185°F] to -40 °C[-40°F] to 85 °C[185°F]; Dwell Time of 1 hour at each temp</li> </ul> |
| <b>ROHS COMPLIANT</b>                              | UKCA                                                                                                                                                                                  |