



## Environmental Test Lab Summary & Capabilities

DYNAMICS:	CLIMATICS:	EMI/RFI/EMC:
<b>Vibration</b> <ul style="list-style-type: none"> <li>• Random &amp; Sinusoidal</li> <li>• Long-Stroke</li> <li>• Transportation/Packaging</li> <li>• Gunfire</li> <li>• NAVMAT Screening</li> <li>• Combined Environment Reliability</li> </ul>	<ul style="list-style-type: none"> <li>• High and Low Temperature</li> <li>• Thermal Shock</li> <li>• Thermal Cycling (Ramp and Soak)</li> <li>• Burn-in/AGREE</li> <li>• Thermal Vacuum</li> <li>• Highly Accelerated Life Test (HALT)</li> <li>• Highly Accelerated Stress Screening Test (HASS)</li> <li>• Accelerated Stress Test (AST)</li> <li>• Altitude</li> <li>• Humidity</li> </ul>	<ul style="list-style-type: none"> <li>• Conducted Emissions Testing (CE)</li> <li>• Conducted Susceptibility Testing (CS)</li> <li>• Radiated Susceptibility Testing (RS)</li> <li>• Radiated Emissions Testing (RE)</li> <li>• Electromagnetic Compatibility Testing (EMC)</li> </ul>
<b>Shock</b> <ul style="list-style-type: none"> <li>• Half-Sine, Sawtooth, Square wave</li> <li>• Long Duration</li> <li>• Transportation</li> <li>• Spectrum/Pyrotechnic</li> </ul>		
<b>ADDITIONAL CAPABILITIES:</b>	<b>STANDARDS AND TESTING REFERENCES:</b>	
<b>High-Power Testing</b> <ul style="list-style-type: none"> <li>• Power Levels up to 200-Watts</li> <li>• Frequency Coverage up to 22 GHz</li> </ul>	<b>Military Standards:</b> <ul style="list-style-type: none"> <li>• MIL-STD-883</li> <li>• MIL-STD-810</li> <li>• MIL-STD-461</li> </ul>	<b>Commercial:</b> <ul style="list-style-type: none"> <li>• RTCA DO-160</li> <li>• BOEING D6-16050/D6-44588</li> <li>• NASA Specifications</li> </ul>
<b>High Dynamic Range Measurement Capability:</b> <ul style="list-style-type: none"> <li>• Sensitivity Ranges Greater than -125 dB</li> </ul>	<ul style="list-style-type: none"> <li>• MIL-STD-462</li> <li>• MIL-STD-285</li> <li>• MIL-STD-704</li> </ul>	<ul style="list-style-type: none"> <li>• MSFC-SPEC-521</li> <li>• SL-E-0002</li> <li>• SSP 30237</li> </ul>
<b>Multipaction Corona Testing:</b> <ul style="list-style-type: none"> <li>• Power Levels up to 200-Watts</li> <li>• Frequency Coverage up to 22 GHz</li> <li>• Critical Pressure/Altitude Testing</li> <li>• Complete Multipaction Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• MIL-STD-1541</li> <li>• MIL-T-5422</li> <li>• MIL-E-6051</li> <li>• MIL-STD-202</li> <li>• MIL-PRF-24308</li> <li>• DOD-STD-139</li> <li>• MIL-A-28875A</li> </ul>	<ul style="list-style-type: none"> <li>• TELCORDIA (Bellcore)</li> <li><b>Consumer Electronics</b></li> <li>• FCC</li> <li>• CE</li> <li>• FDA</li> <li>• TELCO</li> </ul>