A chain is never stronger than its weakest link. An electronic system must be designed in such way that it can operate in its electromagnetic environment without being disturbed and without interfering with other systems. With today’s rapid technological development, EMC compliance is an important part of every project, in which EMC testing not only verifies the properties of the system but can also serve as a tool during its development.
We have worked with EMC since the mid-1960s owing to our background in Saab’s military and civil aircraft manufacture. Over the years we have developed test methods and skills to cope with the stringent requirements of the aerospace industry. This has resulted in a unique ability to conduct testing up to 40 GHz at field strength levels up to 200 V/m in the semi-anechoic chamber and 2000 V/m in the reverberation chamber. Our business has been broadened to encompass other civil and military development projects. Today we can therefore provide a complete test resource within the EMC area and are able to offer testing according to a wide range of standards if needed. Standard tests can be supplemented with assistance before, during and after the tests in order to anticipate and efficiently take care of any problems. Our extensive experience and expertise within the field also allow us to offer development of new test methods according to our customers’ needs.

Electromagnetic environmental testing
The EMC tests we offer cover much more than just standard testing and measurements. Applying our experience and competence in the EMC field we are happy to contribute with advice before and during measurements but also, depending on the outcome, after measurements. In several cases we have adapted or developed test methods to meet our customers’ needs. We have also often used advanced numerical simulation tools to improve test methods with regard to measurement quality and cost.

Our test resources
• Semi-anechoic chamber
• Reverberation chamber
• Mobile test resources
• Microwave test facility for high level testing
• Lightning test system for equipment, RTCA/DO160, Section 22

Our services include
• Engineering and pre-compliance testing
• Compliance testing
• Interference control and troubleshooting
• On-site testing
• Computational electromagnetics

<table>
<thead>
<tr>
<th></th>
<th>Anechoic Chamber</th>
<th>Reverberation Chamber</th>
<th>Bench Test Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interior dimension</td>
<td>12.5 x 5.5 x 4.2 m</td>
<td>5.0 x 3.0 x 2.5 m</td>
<td>4.0 x 5.0 x 2.4 m</td>
</tr>
<tr>
<td>Door size</td>
<td>4.0 x 3.6 m</td>
<td>2.0 x 1.0 m</td>
<td>2.0 x 1.4 m</td>
</tr>
<tr>
<td>Bench</td>
<td>4.5 x 1.2 m</td>
<td>4.0 x 1.0 m</td>
<td>4.5 x 1.2 m</td>
</tr>
<tr>
<td>Turntables</td>
<td>Ø 1.5 m</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Frequency range</td>
<td>DC-40 GHz</td>
<td>200 MHz – 18 GHz</td>
<td>DC-500 MHz</td>
</tr>
</tbody>
</table>

Specifications subject to change without notice