



Testing concentrates on this focal points:

EMC-Tests

- Conducted Disturbances
 - Automotive: ISO 7637 Pulse 1, 2a, 3a, 3b, 5a and 5b
 - Industrial: IEC 61000-4-6, 61000-4-4, 61000-4-5, 61000-8/9, 61000-4-11/8/29
- Radiated Emissions (calibrated, shielded chamber 7x3x3m, EN 61000-4-3/2006)
 - CISPR 22
 - CISPR 25 – during the development process

ESD-Tests

- ISO 10605
- IEC 61000-4-2
- High voltage until 30 kV (Air discharge and contact discharge)

There is something special at a measurement done at BECOM Lab. You will not be left alone with the test results. We would appreciate, if you would decide to accept our offer on EMC-consulting.



Environmental Tests

Harsh environmental conditions – e.g. Salt fog, high temperatures or relative humidity produce damage on electronic circuit boards. We take care on this aspect even during the development process and avoid damage. The following climatic tests can be covered in our lab:

- Temperature: -45° C to +130° C (-49° F to 226° F)
- Relative Humidity RH: 10-98 % from -40° F to +180° C (-40° F to 356° F)
- Thermal shock: -80° C to +220° (from -112° F to +428° F) (exchange time between temperature chambers < 10 sec.)



Thermographie

Thermal stress generated by high power components in electronic circuits is increasing. Especially LED technology applications have to be careful of hot spots. Efficient thermal management "Made by BECOM" ensures that your assemblies have the highest possible service life and highest degree of reliability through the use of infrared cameras, computer simulation and verification measurements in our own laboratory.



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Technical NEWS

BECOM increased its testing possibilities essentially during the last years. Just to cover more and more development tests in house, BECOM encouraged investments that give us the chance to reproduce many environmental conditions.



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