

To learn what your product's global requirements are, go to:
www.dlsemc.com/global.htm

EMC/Safety Consulting

EDE Design Review
Standards Review Program
RoHS Review
On-site Project Review

Specialized Services

Field Services:
On-site Testing and Surveys
Anechoic Shielding Chamber
Performance Testing
Shielding Effectiveness
Site Attenuation
Field Uniformity
Open Area Testing
Transmission Parameters
Component/Cable Shield Performance
Material Characterization/Shielding Effectiveness
Surge and Transients

Educational Programs

Quarterly EMC Training Seminars
Custom EMC Design Software
CE Seminar Series

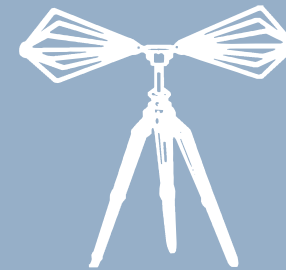
Environmental Testing

IEC/EN NRTL UL/CSA CE Mil STD
RTCA
Temperature Humidity Cycling
Oven Conditioning
Humidity Conditioning
Low Temperature Conditioning
Mechanical Shock
Chemical Splash



DLS

EMC & Product Safety



BSMI



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COMPLIANCE TESTING
CONSULTING AND
ENGINEERING
SERVICES

EMC testing

United States

FCC Part 15	Subpart B General technical requirements
FCC 15.2XX	Unlicensed transmitters
FCC Part 18	ISM devices
FCC Part 22	Cellular
FCC Part 74	Experimental radio, auxiliary, special broadcast
FCC Part 90	Private land mobile radio service
FDA 510k	Medical devices
GR-1089	Central office-telecom
SAE J1113-2, -13	Automotive testing
SAE J1113-21,-22,-26	Automotive testing

U.S. Military / Avionics

Mil Std. 461/462	Military versions A thru E
RTCA DO160	Commercial aircraft/Avionics EMC

Europe

89/336/EEC	EMC Directive
93/42/EEC	Medical Device Directive/General
95/54/EC	Automotive Directive
99/5/EC	R&TTE Directive
EN 300 XXX	Transmitters/receivers
EN 301 XXX	Transmitters/receivers
EN 300 386	Telecommunication network equipment
EN 50091-2	Uninterruptible power systems (UPS)
EN 50199	Arc welding equipment
EN 55011	ISM devices
EN 55012	Vehicles, boats and internal combustion engine driven devices
EN 55013, 20	Broadcast receivers/similar apparatus
EN 55014-1,-2	Household appliances/similar apparatus
EN 55015	Electrical lighting/similar apparatus
EN 55022, 24	Information technology equipment
EN 55103-1,-2	Audio, video & entertainment lighting control apparatus
EN 60601-1-2	Medical devices
EN 61000-6-x	Generic emission and immunity
EN / IEC 61000-4-x	Basic immunity tests (all, -2 thru -11)
EN 61131-2	Programmable controllers
EN 61326	Measurement, control and laboratory use
EN 61800-3	Adjustable speed electrical power drive systems
EN ISO 14982	Agricultural and forestry
ISO 13766	Earthmoving machines

EMC testing (cont.)

Canada

ICES-001	ISM devices
ICES-003	Digital devices
RSS XXX	Transmitters/receivers

Other regions

AS/NZS XXXX	Australia/New Zealand (based on CISPR, IEC)
VCCI	Japan ITE EMC (based on CISPR)
CNS XXXX	Taiwan-BSMI

Additional Tests and Services

Shielding Effectiveness (NSA, Commercial)
Site Surveys

Safety testing

All regions (U.S., Canada, Europe, others)

IEC/EN/CSA/UL 60065 (Also UL 6500)	Audio, video & similar apparatus
IEC/EN 60204-1	Electrical equipment of machines
IEC/EN 60215	Radio transmitting equipment
IEC/EN/UL 60335-1 (CSA E60335-1)	Household/similar appliances
IEC/EN/UL 60601-1 (CSA 601.1)	Medical devices
IEC/EN/CSA 60730-1 (UL 60730-1A)	Automatic electrical controls
IEC/EN 60825-1 (CSA E60825-1)	Laser products
IEC/EN/CSA/UL 60950-1	Information technology equipment
IEC/EN/CSA/UL 61010-1	Measurement, control & lab equip.

Europe (only)

73/23/EEC	Low Voltage Directive
93/42/EEC	Medical Device Directive/General
98/37/EC	Machinery Directive
EN 50178	Electronic equip. for use in power installations

Additional Tests and Services

Environmental testing (Humidity, Low ambient, High ambient)
Flammability testing
Pre-compliance testing
Safety compliance verification testing
Safety consultations