

Advancing Innovation in India

State-of-the-art facility with EMC, wireless, SAR, interoperability and safety testing services offer total service solutions and faster market access

Empowering Trust[®]



As part of UL's continued focus on the India market, our in-country laboratory is now equipped to perform EMC, wireless and SAR testing. This new facility allows us to better serve customers by providing localized service with improved lead time. Additionally, our local presence will provide faster access to UL experts who can help answer questions; perform testing, inspection and certification; and provide guidance to support a new product launch.

A message from

Suresh Sugavanam— MD and Vice President South Asia and SSA

“Our expanded capabilities at our laboratory reflects UL’s commitment to being a comprehensive service solution for Indian manufacturers of wireless devices. Our newly upgraded facility will reduce barriers to bringing new devices to market and help increase speed to market, while also helping to ensure safe and secure products reach consumers.”

— Suresh Sugavanam

Managing Director and Vice President South Asia and SSA



Technical capabilities

Main features

- 3-meter semi-anechoic chamber, convertible to FAC
- 2-meter diameter 1 ton capacity turntable
- 2-meter quiet zone
- Bore-sight antenna mast for automated testing up to 40 GHz

Additional features

- Secure, on-site customer equipment storage with extensive facility security systems
- Shielded room for wireless, emissions and immunity test set-up

Industries we serve

- Consumer electronics
- Information technology equipment
- Mobile and telecommunications
- Medical devices
- Multimedia equipment
- Industrial products
- Lighting



Wireless

Our global presence allows us to offer a local service with worldwide coverage. We take an integrated and customized approach to meet your product testing and compliance needs. These streamlined service paths can help you obtain the required certifications and approvals you need to sell your products in your target markets.

We have experience in testing all major wireless technologies, and we specialize in testing and compliance for products that contain multiple wireless technologies. We work closely with you before, during and after testing to quickly and efficiently address issues that may arise.

Market	EU	United States*	Canada*
Bluetooth/Zigbee	EN 300 328	FCC PART 15C	RSS-247
WiFi 2.4 GHz	EN 300 328	FCC PART 15C	RSS-247
WiFi 5GHz	EN 301 893 EN 302 502	FCC PART 15C&E	RSS-247
SAR	EN 62209-1 EN 62209-2	IEEE 1528	NA
2G/3G/4G	EN 301 511 EN 301 908-1 EN 301 908-2 EN 301 908-13	FCC PART 22/24/27	RSS 130/132/133/139
Short Range devices (1 GHz to 40 GHz)	EN 300 440	FCC PART 15C	RSS-247
Short Range devices (9 kHz to 25 MHz)	EN 300 330	FCC PART 15C	RSS-210
Short Range devices (25 MHz to 1GHz)	EN 300 220	FCC PART 15C	RSS-247

* - Lab is in process to get FCC and ISED approval for US and Canada market.

Find out more at CTECH.UL.com



EMC and SAR testing

The EMC facility is one of the best laboratories in India with 3-meter SAC/FAC. The facility is ISO 17025 accredited by NABL.

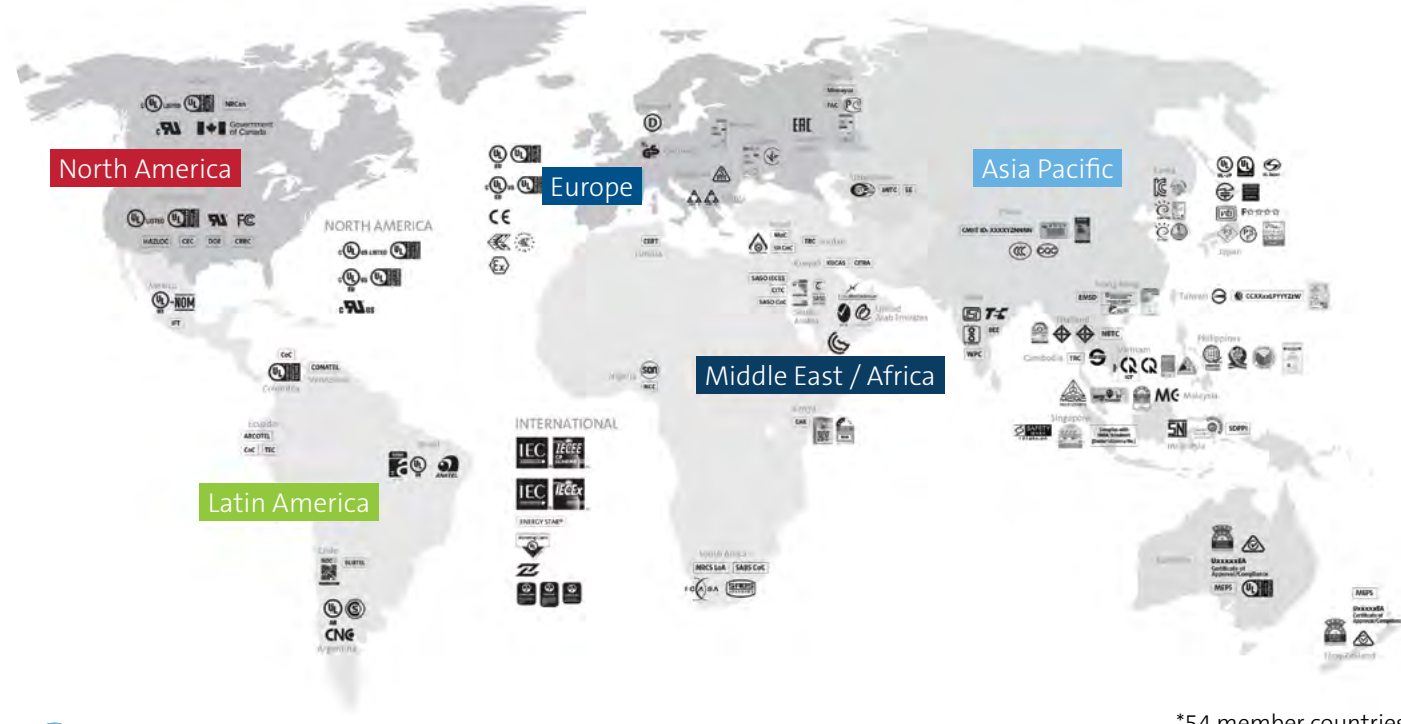
At our EMC facility, we can test the EMC performance of the common commercial products, ranging from multimedia equipment, information technology (IT), telecommunication equipments, household appliances and lighting products, including switch gear and medical equipment.

Market	IEC/CISPR	EUROPE	United States*	Canada*
Multimedia Equipment (Including audio/visual)	CISPR 32 (Combine of CISPR 13 and CISPR 22) CISPR 35 (Combine of CISPR 20 and CISPR 24)	EN 55032 EN 55035	FCC Subpart 15B	ICES-003
Information technology equipment	CISPR 22 CISPR 24	EN 55022 EN 55024 ETSI EN 301 489-1/17	FCC Subpart 15B	ICES-003
Medical devices	IEC 60601-1-2	EN 60601-1-2	N/A	N/A
Industrial	IEC 61000-6-2 IEC 61000-6-4	EN 61000-6-2 EN 61000-6-4	N/A	N/A
Laboratory Equipment	IEC 61326 Series	EN 61326 Series	N/A	N/A
Metering	IEC 62052-11	EN 62052-11	N/A	N/A
Residential	IEC 61000-6-1 IEC 61000-6-3	EN 61000-6-1 EN 61000-6-3	N/A	N/A
Household appliances/Electric tools	CISPR 14-1 CISPR 14-2	EN 55014-1 EN 55014-2	N/A	N/A
Lighting Products	CISPR 15 IEC 61547	EN 55015 EN 61547	N/A	N/A

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*54 member countries



Global Market Access

Most businesses find the global market's regulatory landscape complex and challenging: yet they still want to maximize access to remain competitive. As an industry leader, we understand the importance of the global market, and we have knowledgeable Global Market Access experts in more than 40 countries to help you achieve the access you need to succeed.

Through industry relationships and partnerships in various countries, our laboratories in India maintain a thorough understanding of various requirements and standards, including CB Scheme, IEC Taiwan (BSMI) and others.

This information is subject to change due to evolving regulations and is for guidance and illustration purposes only. The map represents some of the marks and certificates that UL may be able to assist you in obtaining if your products meet all the applicable requirements.

Market	Certification/Mark
North America	cULus
Europe	ENEC15
IECEE	CB scheme*
China	CCC
Mexico	NOM
Korea	KC Mark
Japan	PSE
Australia/New Zealand	CoA- CoS/RCM mark
India	BIS CRS
Brazil	INMETRO
Saudi Arabia	SASO CoC

Reference standard for TEC and WPC requirements

Market	EMI EMC	SAR	SAFETY	2G/3G/4G	WIFI+BT	Short Range Device (as per WPC Gazatte's Notice)
INDIA - TEC & WPC	TEC/SD/DD/EMC/221/05-OCT-16 CISPR 22/32/14-1 IEC 61000-4-2 IEC 610004-3 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-5-6 IEC 61000-4-11/29	TEC/GR/RS/SAR/001/03-JUL-17 TEC/GR/SAR/001/01-Mar 09 IEC 62209-1 IEC 62209-2 EN 62209-1 EN 62209-2	IS 13252-1 IEC 60950-1 IEC 62368-1 IEC 60215	EN 301 511 EN 301 908-2 EN 301 908-13	EN 300 328 EN 301 893 EN 302 502 FCC Part 15C&E	EN 300 330 EN 300 220 EN 300 440

UL's India expertise

We can help you enter the India market by empowering you to develop smarter products, meet regulations and supply to the world. We can also help you comply with Indian regulations and seamlessly access the Indian market. Manufacturers and regulators and can access best-in-class global knowledge, technical expertise, and seamless service locally.



Safety

Our laboratory has local and global accreditations. These include ISO 17025 accreditation, acceptance as a Certification Body Test Laboratory (CBTL) under the IECEE Certified Body (CB) scheme, ISO 17065 Accreditation by the American National Standards Institute (ANSI), U.S. Occupational Safety and Health Administration (OSHA) ,and Standards Council of Canada (SCC).

Our laboratories in India are accredited to provide certification services and authorize accompanying use of our certification marks on those products in North America, which includes the UL Mark in the United States and the C-UL Mark in Canada.

The expertise of UL's technical team and our certifications and test reports are recognized around the world by regulatory bodies. We offer integrated test plans to assess products to the requirements for multiple countries concurrently as well as to the standards for safety that we test for. Our Data Acceptance Program (DAP) enables you to utilize test data from your own or other test facilities for UL safety certifications.

Market	Information technology equipment	Audio/video	Audio/video information and communication technology equipment
IEC	IEC 60950-1	IEC 60065	IEC 62368-1
Europe	EN 60950-1	EN 60065	EN 62369-1
United States	UL 60950-1	UL 60065	UL 62368-1
Canada	CSA C22.2 No. 60950-1	CSA C22.2 No.60065.16	CSA C22.2 No.62368-1
India	IS 13252-1	IS 616	N/A



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