

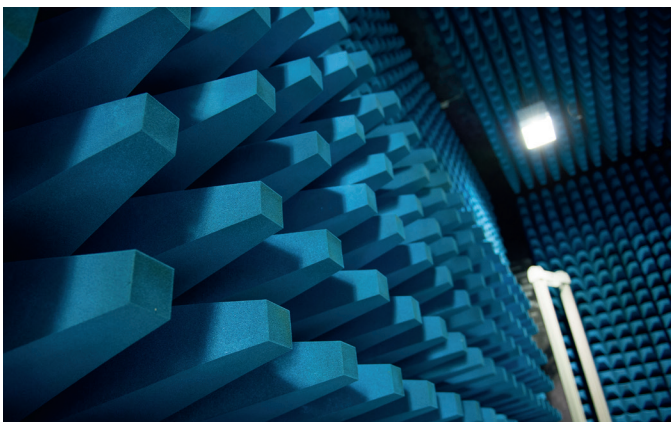
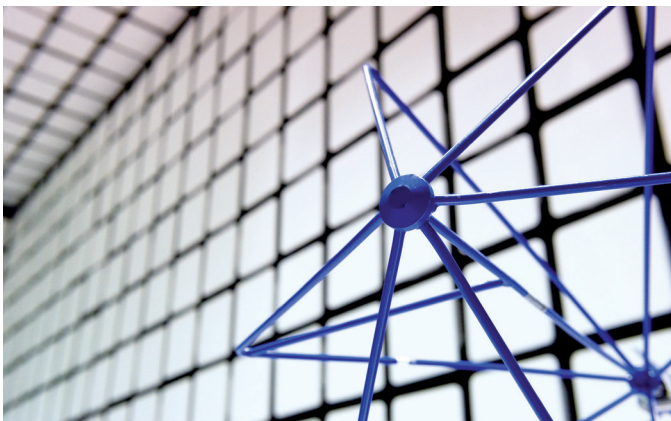


# UL – EMC in the UK

## Supporting you Beyond Product Safety

*Almost every industry dealing with electronics needs to test its products for electromagnetic compatibility (EMC) in order to demonstrate compliance to the requirements for their key markets throughout the world.*

*UL provides the experience, facilities, and expertise to assist you in getting to market as smoothly as possible, avoiding costly mistakes close to product launch.*



### Rapid and Responsive Service

With our highly responsive service, UL gives you the competitive turnaround time and comprehensive support you need to navigate your path over the regulatory hurdles for speedy market approval in your target markets. Knowing that your market success depends on timely acceptance, we respond to your inquiries within 24 hours.

UL's full-service EMC labs are accredited and recognized by numerous regulatory agencies and governments in major markets including the United States, Europe, Japan, Canada, Taiwan and Australia. UL is registered as a TCB/FCB for the US and Canada and is also a Notified Body for the EMC & R&TTE Directives (2004/108/EC & 1999/5/EC) for Europe. UL's EMC testing capabilities are accredited to allow us to test and certify to a wide range of markets.

### Wireless/Radio Service

Not only do we support EMC compliance testing from our Basingstoke Lab but we also have a comprehensive Radio approvals capability.

In addition to EMC and Wireless we also provide SAR, HAC, OTA, Bluetooth (RF, Protocol and Profile), Cellular conformance (2G, 3G, 4G RF and protocol), Point to Point Microwave and Global Market Access.

### Who We Are

UL has over 20 years' of experience providing EMC and wireless approval testing in consumer electronics, IT equipment, household appliances, radio and telecommunications equipment, alarms and sensors and vehicle components and systems.

With in-depth expertise plus office facilities in over 60 countries, UL is strongly positioned to help you ensure compliance to your chosen market.



## UL Basingstoke EMC Capabilities

Product Standards	Emissions Standards	Immunity Standards
Industrial, Scientific and Medical Equipment	EN 55011	EN 61000-6-2
Sound & TV Receivers & Associated Equipment	EN 55013	EN 55020
Household Appliances, Electric Portable Tools	EN 55014-1	EN 55014-2
Alarms - Fire, Intruder & Social	EN 61000-6-3	EN 50130-4
Information Technology Equipment	EN 55022	EN 55024
Medical Equipment	EN 60601-1-2	EN 60601-1-2
Laboratory Equipment	EN 61326	EN 61326
Telecom's Network Equipment	EN 300 386	EN 300 386
Power Supplies	EN 61204-3	EN 61204-3

R&TTE	Standards
Common Technical requirements	EN 301 489-1
radio paging equipment	EN 301 489-2
Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz	EN 301 489-3
fixed radio links, Broadband Data Transmission System Base stations, ancillary equipment and services	EN 301 489-4
Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech)	EN 301 489-5
Digital Enhanced Cordless Telecommunications (DECT) equipment	EN 301 489-6
mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)	EN 301 489-7
wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices	EN 301 489-9
First (CT1 and CT1+) and Second Generation Cordless Telephone (CT2) equipment	EN 301 489-10
Citizens' Band (CB) radio and ancillary equipment (speech and non-speech)	EN 301 489-13
commercially available amateur radio equipment	EN 301 489-15
analogue cellular radio communications equipment, mobile and portable	EN 301 489-16
Broadband Data Transmission Systems	EN 301 489-17
Terrestrial Trunked Radio (TETRA) equipment	EN 301 489-18
ground based VHF aeronautical mobile and fixed radio equipment	EN 301 489-22
IMT-2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillary equipment	EN 301 489-24
Conductor size	14 AWG ~ 2000 kcmil
Conductor size	14 AWG ~ 2000 kcmil

Generally Applicable	Emissions Standards
Harmonics	EN 61000-3-2
Flicker	EN 61000-3-3

Test Method	Emissions Standards	Immunity Standards
ESD	-	EN 61000-4-2
Radiated Field	EN 55011,55013,55014, 55022	EN 61000-4-3
Fast Transients/Bursts (EFT/B)	-	EN 61000-4-4
Surge	-	EN 61000-4-5
Conducted	EN 55011,55013,55014, 55022	EN 61000-4-6
Magnetic Field Continuous	-	EN 61000-4-8
Voltage Dips & Interruptions	-	EN 61000-4-11
Discontinuous Disturbances	EN 55014	-

Generic	Emissions Standards	Immunity Standards
Residential, Commercial & Light Industrial	EN 61000-6-3	EN 61000-6-1
Industrial environments	EN 61000-6-4	EN 61000-6-2

Note: Details above are subject to change

Email: [wise.sales@ul.com](mailto:wise.sales@ul.com) / Tel: +44 (0)1256 312000