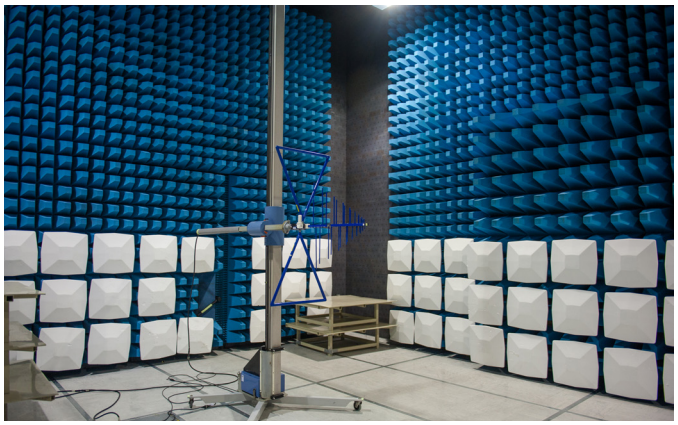
EMC AND WIRELESS

UL – Wireless in the UK

Supporting you Beyond Product Safety

With more and more products needing wireless capability to compete in a rapidly changing market place, UL can bring our experience of many wireless technologies to assist with your wireless testing requirements.

Not only do we provide approvals and certification testing for traditional markets such as the US, Canada and Europe but we have a dedicated Global Market Access team to help with your Global needs. 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.



Who We Are

UL has over 20 years' of experience providing wireless and EMC 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 and country requirements.

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 RADIO labs are accredited and recognized by numerous regulatory agencies and governments in major markets including the United States, Europe, and Canada. 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 RADIO testing facilities are accredited to allow us to test and certify to a wide range of markets.

CE

Federal Communications Commission

Industry Canada

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UL Basingstoke UKAS Accreditation - RADIO

TEST	STANDARD
Accuracy and Stability of Timing Parameters Adjacent Channel Power to 90 dBc	EN 300 390-1:V1.2.1:2001
	EN 300 390-2:V1.1.1:2000
	EN 300 440-2:V1.3.1:2009
	EN 300 440-1:V1.6.1:2010
	EN 300 440-2:V1.4.1:2010
Adjacent Channel Selectivity 100 kHz to 40 GHz	EN 300 086-1: V1.3.1:2008
	EN 300 086-2: V1.2.1:2008
AF Response of Modulation Frequencies > 50 Hz	EN 300 113-1:V1.3.1:2001
	EN 300 113-1:V1.6.2:2010
	EN 300 113-1:V1.6.2:2009
Amplitude Characteristics of Receiver 9 kHz to 40 GHz	EN 300 113-2:V1.4.2:2009
Bit Error Rate Measurements	EN 300 135-1:V1.2.1:2008
	EN 300 135-2:V1.2.1:2008
Blocking and Desensitisation 9 kHz to 110 GHz	EN 300 219-1:V1.2.1:2001
	EN 300 219-2:V1.1.1:2001
Co-Channel Rejection 100 kHz to 40 GHz	EN 300 220-1:V2.4.1: 2012
	EN 300 220-2:V2.4.1:2012
Code Squelch 30 MHz to 1 GHz	EN 300 224-1:V1.3.1:2001
Effective Receiver Sensitivity 100 kHz to 75 GHz	EN 300 234:V1.3.2:2002
Emissions - Conducted 100 Hz to 110 GHz	EN 300 296-1:V1.3.1:2010-07
	EN 300 296-2:V1.3.1:2010-07
	EN 300 328:V1.8.1:2012
Emissions - Effective Radiated Power 9 kHz to 110 GHz	EN 300 330-1:V1.7.1:2010
	EN 300 330-2:V1.5.1:2010
Frequency Error 9 kHz to 110 GHz	EN 300 422-1:V1.3.2:2008
	EN 300 422-2:V1.2.2:2008
Frequency Range 9 kHz to 170 GHz	EN 300 674:V1.1.1:1999
	EN 301 087:V8.2.0:2000
Frequency Stability 9 kHz to 110 GHz	EN 301 126-1 V1.1.2 (1999-09)
	EN 301 357-1:V1.4.1:2008
Intermodulation Attenuation 100 kHz to 110 GHz	EN 301 357-2:V1.4.1:2008
	EN 301 502:V8.1.2:2001
Intermodulation Response (2 and 3 Generator Method) 9 kHz to 26.5 GHz	EN 301 893:V1.6.1 (2011-11)
	EN 301 893:V1.7.1 (2012-06)
	EN 301 908-1:V5.2.1(2011-05)
Maximum Frequency Deviation 9 kHz to 100 kHz	3GPP TS 51.010-1 (12.2.x)
	EN 301 511 V9.0.2 (2003-03)
Maximum Useable Sensitivity 9 kHz to 40 GHz	EN 302 208-1 V1.1.1 (2004-09)
	EN 302 208-2 V1.1.1 (2004-09)
Modulation Distortion (SINAD) 30 MHz to 1 GHz	EN 302 217-2-2 V2.1.1 (2013-07)
	EN 302 217-3:V1.3.1:(2009-07)
Modulation Frequency Characteristics 50 Hz to 20 kHz	EN 302 217-3 V2.1.1: (2013-07)
Out of Band Power 9 Hz to 110 GHz	Draft EN 302 217-3:V1.1.1:2003
	GSM 11.21:1995
	AS/NZS 4268:2003
	AS/NZS 4281:1995
	AS 4295:1995

TEST	STANDARD
Permitted Range of Operation Frequencies 9 Hz to 110 GHz	TB 94-046:1994
	EN 302 291-1 V1.1.1 (2005-07)
	EN 302 291-2 V1.1.1 (2005-07)
	EN 302 326-1:V1.2.2:2007
	EN 302 326-2:V1.2.2:2007
	EN 302 502:V1.2.1 (2008-07)
	EN 302 625:V1.1.1 (2009-07)
	Annex 11 to the Ministerial
	Decree of 19th October 1979
	relating to private
	radio-communications: Dec 1990
	TS 101 087:V8.9.0:2003
Power Rise and/or Fall Time (transients) 30 MHz to 1 GHz	TS 151 021:V5.3.0:2003
	FCC 47CFR2
Receiver Desensitisation 100 kHz to 110 GHz	FCC 47CFR15
	FCC 47CFR18
Reference (Receiver) Sensitivity 9 kHz to 40 GHz	FCC 47CFR22
	FCC 47CFR24
Relative Humidity 20% to 75% Selectivity 90 dB	FCC 47CFR25
	FCC 47CFR27
Spurious Emissions 20 Hz to 170 GHz	FCC 47CFR90
	FCC 47CFR101
Spurious Response Rejection 9 kHz to 110 GHz	RSS-Gen Issue 3, Dec. 2010
	RSS-111 Issue 4, January 2012
Temperature - 45 °C to 75 °C	RSS-118 Issue 2, August 1990
	RSS-119 Issue 10, April 2010
Transient Frequency Behaviour 30 MHz to 1 GHz	RSS-125 Issue 2, Rev 1, March 2000
	RSS-130 Issue 1, October 2013
Transmitter Carrier Power 10 µW to 2 kW	RSS-131 Issue 2, July 2003
	RSS-132 Issue 3, January 2013
Transmitter Transients 30 MHz to 40 GHz	RSS-133 Issue 6, January 2013
	RSS-137 Issue 2, February 2009
Control & Monitoring Functions	RSS-139 Issue 2, June 2009
	RSS-142 Issue 5, April 2013
Dynamic Frequency Selection (DFS).	RSS-170 Issue 2, March 2011
	RSS-191 Issue 3, April 2008
	RSS-199 Issue 1, January 2010
	RSS-195 Issue 1, January 1, 2004
	RSS-210 Issue 8, December 2010
	RSS-220 Issue 1, March 2009
	ANSI C63.4:2009
	ANSI C63.10:2009
	ANSI C63.17-2006
	ANSI/TIA-603-C:2004 excluding Clause 2.1.20, 2.2.10, 2.2.18, 2.3 & 2.4
	SRSP-305.9 Issue 5
	SRSP-317.8 Issue 2

Note: Details above are subject to change

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