

## SCOPE OF ACCREDITATION

**Research In Motion Limited**  
**RTS – RIM TESTING SERVICES**  
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Accredited Laboratory No. 592  
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

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CLIENTS SERVED: Radio Telecommunications Industry

FIELDS OF TESTING: Acoustics & Vibration, Electrical/Electronic

ISSUED ON: 2007-05-22

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### **ELECTRICAL PRODUCTS AND ELECTRONIC PRODUCTS**

Communications Equipment and Systems

Information Processing and Business Equipment

**(EMC, Requirements and Methods for Radio Telecommunication Equipment,  
Computers, Data Processing Equipment & Power Supplies)**

ANSI C63.4	Method of measurement of Radio-Noise Emissions from low-voltage Electrical Electronic Equipment in the range of 9kHz to 40GHz
AS/NZS 3548	Limits and Methods of Measurement of Radio Interference of Information Technology Equipment
CISPR 16-1	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1: Radio disturbance
CISPR 16-2	

	Specification for radio disturbance and immunity measuring apparatus and methods – Part 2: Methods of measurement of disturbances and immunity
EN 301 489–1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
EN 301 489–17	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment
EN 301 489–24	Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT–2000 CDMA Direct Spread (UTRA) for Mobile and portable (UE) radio and ancillary equipment
EN 301 489–25	Electromagnetic compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 25: Specific conditions for IMT–2000 CDMA Multi–carrier Mobile Stations and ancillary equipment
EN 301 489–3	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short–Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz
EN 301 489–7	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)
EN 301 511	Global System for Mobile communications (GSM); Harmonized standard for mobile stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC)
EN 55022	Limits and methods of measurement of radio disturbance characteristics of information technology equipment
EN 55024	Information technology equipment – Immunity characteristics – Limits and methods of measurement
EN 61000–3–11	Limits– Limitation of voltage changes, voltage fluctuations and flicker in public low–voltage supply systems – Equipment with rated current $\leq 75$ A and subject to conditional connection
EN 61000–3–2	Electromagnetic compatibility (EMC) – Part 3–2: Limits – Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)

EN 61000-3-3	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16 A
EN 61000-4-1	Electromagnetic compatibility (EMC) Part 4-1: Testing and measurement techniques – Overview of IEC 61000-4 series
EN 61000-4-11	Electromagnetic compatibility (EMC) — Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests
EN 61000-4-2	Electromagnetic compatibility (EMC) — Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test
EN 61000-4-3	Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test
EN 61000-4-4	Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test
EN 61000-4-5	Electromagnetic compatibility (EMC) — Part 4-5: Testing and measurement techniques – Surge immunity test
EN 61000-4-6	Electromagnetic compatibility (EMC) — Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields
EN 61000-6-1	Electromagnetic Compatibility (EMC) Part 6-1: Generic Standards – Immunity for residential, commercial, and light industrial environments
EN 61000-6-2	Electromagnetic Compatibility (EMC) Part 6-2: Generic Standards – Immunity for industrial environments
EN 61000-6-3	Electromagnetic Compatibility (EMC) Part 6-3: Generic Standards – Emission standard for residential, commercial, and light-industrial environments
EN 61000-6-4	Electromagnetic Compatibility (EMC) Part 6-4 Emission standard for industrial environments
ICES-003	Industry Canada: Interference causing equipment STD standard (Digital Apparatus)
IEC 61000-3-2	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
IEC 61000-3-3	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current $\leq 16$ A
IEC 61000-4-11	Electromagnetic compatibility (EMC) – Part 4-11: Testing and measuring techniques – Section 11: Voltage dips, short interruptions and voltage variations immunity tests
IEC 61000-4-2	

	Electromagnetic compatibility (EMC) – Part 4–2: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test
IEC 61000–4–3	Electromagnetic compatibility (EMC) – Part 4–3: Testing and measurement techniques – Section 3: Radiated, radio–frequency, electromagnetic field immunity test
IEC 61000–4–4	Electromagnetic compatibility (EMC) – Part 4–4: Testing and measurement techniques – Section 4: Electrical fast transient/burst immunity test. Basic EMC Publication
IEC 61000–4–5	Electromagnetic compatibility (EMC) – Part 4–5: Testing and measurement techniques – Section 5: Surge immunity test
IEC 61000–4–6	Electromagnetic compatibility (EMC) – Part 4–6: Testing and measurement techniques – Section 6: Immunity to conducted disturbances, induced by radio–frequency fields
ISO 7637–1	Road vehicles — Electrical disturbances from conduction and coupling — Part 1: Definitions and general considerations
ISO 7637–2	Road vehicles — Electrical disturbances from conduction and coupling — Part 2: Electrical transient conduction along supply lines only

**(Health & Safety Requirements and Methods for Requirements and Methods for Radio Telecommunication Equipment)**

Radio Protection Standard ARPANSA	Radiation Protection Series Publication No. 3 Maximum Exposure Levels to Radiofrequency Fields —3 kHz to 300 GHz
ANSI–PC63.19	American National Standard for Methods of Measurement of Compatibility between Wireless Communications Devices And Hearing Aids
AS/NZS 2772.2–1988	Radiofrequency radiation – Principles and methods of measurement – 300 kHz to 100 GHz
Australian Communications Authority EN 50361	Radiocommunications (Electromagnetic Radiation — Human Exposure) Standard Basic standard for the measurement of Specific Absorption Rate related to human exposure to electromagnetic fields from mobile phones (300 MHz – 3 GHz)
FCC OET Bulletin 65 Supplement C IC RSS–102	Evaluating compliance with FCC guidelines for human exposure to Radio Frequency Electromagnetic Fields Evaluation Procedure for Mobile and Portable Radio Transmitters with respect to Health Canada’s Safety Code 6 for Exposure of Humans to Radio Frequency Fields
IEC 62209–1, edition 1, 2005	Human exposure to radio frequency fields from hand–held and body–mounted wireless communication devices – Human models instrumentation, and procedures – Part 1: Procedure to determine the specific absorption

IEEE Std 1528	rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz) Recommended practice for determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body due to wireless communication devices: experimental techniques
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**(Radio Requirements and Methods for Radio Telecommunication Equipment)**

AS/NZS 4268	Radio equipment and systems—Short range devices—Limits and methods of measurement
CTIA Test Plan for Mobile Station OTA Performance	The purpose of this test plan is to define the CTIA Certification program test requirements for performing Radiated RF Power and Receiver Performance measurements on mobile stations
ETSI EN 300 328	Electromagnetic compatibility and Radio spectrum Matters (ERM) Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of R & TTE Directive
ETSI TS 134 124 V6.1.0	Universal Mobile Telecommunications System (UMTS); Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment
FCC 47 CFR Ch I Part 90	Private Land Mobile Radio Services
FCC 47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
FCC 47 CFR Part 22	Public Mobile Services; Subpart H Cellular Radiotelephone
FCC 47 CFR Part 24	Personal Communications Services Subpart E Broadband PCS
FCC 47, CFR Part 15	Radio Frequency Devices
IC RSS-119	Land Mobile and Fixed Radio Transmitters and Receivers, 24.41 to 960 MHz
IC RSS-128	800 MHz Dual-Mode TDMA Cellular Telephones
IC RSS-129	800 MHz Dual Mode CDMA Cellular Telephones
IC RSS-132	Cellular Telephones Employing New Technologies Operating in the Bands 824-849 MHz and 869-894 MHz
IC RSS-133	2 GHz Personal Communications Services
IC RSS-210	Low Power Licence-Exempt Radiocommunication Devices
IC RSS-GEN	General Requirements and Information for the Certification of Radiocommunication Equipment
OMA IOP MMS ETS	MMS Conformance Requirements (Multimedia Message Service)
TS 102 230	Smart cards; UICC-Terminal interface; Physical, electrical and logical test specification
TS 11.10-4	Technical Specification Group Terminal; Mobile Station

	(MS) conformance specification;Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification (3GPP TS 11.10-4)
TS 26.132	3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Speech and video telephony terminal acoustic test specification
TS 31.121	Universal Mobile Telecommunications System (UMTS); UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification
TS 31.124	3rd Generation Partnership Project; Technical Specification Group Terminal; Mobile Station (MS) conformance specification; Universal Subscriber Interface Module Application Toolkit (USAT) conformance specification
TS 34.121	Universal Mobile Telecommunications System (UMTS); Terminal Conformance Specification, Radio Transmission and Reception (FDD)
TS 34.123-1	Universal Mobile Telecommunications System (UMTS); User Equipment (UE) conformance specification; Part 1: Protocol conformance specification
TS 51.010-1	Technical Specification Group GSM/EDGE Radio Access Network Digital cellular telecommunications system (Phase 2+);Mobile Station (MS) conformance specification;Part 1: Conformance specification
TS 51.010-2	Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2)

**Notes:**

**CAN-P-4E (ISO/IEC 17025):** General Requirements for the Competence of Testing and Calibration Laboratories (ISO/IEC 17025-2005)

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P. Paladino, P. Eng., Director, Conformity Assessment

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