



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ELECTRICAL (EMC)

Valid to: September 30, 2012

Certificate Number: 1983.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility, Bluetooth, Radio & Wireless and Specific Absorption Rate (SAR) tests:

Tests:

Standard(s):

Emissions

Radiated & Conducted

CFR 47 FCC Part 15 (using ANSI C63.4-2003, C63.4-2009),
FCC Part 18 (using MP-5), FCC Part 2; CISPR 11; CISPR 22;
EN 55011; EN 55022; AS/NZS CISPR 11; AS/NZS CISPR 22;
CISPR 25 (excluding clause 5); CNS 13306; CNS 13438;
CNS 13439; CNS 13803; ICES 001; ICES 003; ICES 004;
ICES 005; VCCI V-3 (up to 6GHz); 72/245/EWG;
ECE R10

Immunity

Electrostatic Discharge (ESD)

EN 61000-4-2; IEC 61000-4-2

Radiated Immunity

EN 61000-4-3; IEC 61000-4-3; ECE R10; ISO 11452-2

Electrical Fast Transient/Burst

EN 61000-4-4; IEC 61000-4-4

Surge Immunity

EN 61000-4-5; IEC 61000-4-5

Conducted Immunity

EN 61000-4-6; IEC 61000-4-6

Power Frequency Magnetic

EN 61000-4-8; IEC 61000-4-8 (excluding short duration mode)

Field Immunity

Voltage Dips, Short Interruptions,
and Line Voltage Variations

EN 61000-4-11; IEC 61000-4-11

Transient Immunity on Supply Lines
and Non-Supply Lines

ISO 7637-2; ISO 7637-3

Bulk Current Injection

ISO 11452-4

*Note: listed 3m chamber and OATS (10m)

Tests:

EMC Product Specific Standards

Standard(s):

IEC/EN 61326-1; IEC/EN 61326-2-1; IEC/EN 61326-2-2; IEC/EN 61326-2-3; IEC/EN 61326-2-4; IEC/EN 61326-2-5; IEC/EN 61326-2-6; IEC/EN 61326-3-1; IEC/EN 61326-3-2; IEC/EN 62052-11; IEC/EN 62053-11; IEC/EN 62053-21; IEC/EN 60601-1-2; RTCA DO-160F (section 21)

EMC of Radio Devices

EN 301 489-1; EN 301 489-2; EN 301 489-3; EN 301 489-4; EN 301 489-5; EN 301 489-6; EN 301 489-7; EN 301 489-8; EN 301 489-9; EN 301 489-10; EN 301 489-11; EN 301 489-12; EN 301 489-13; EN 301 489-14; EN 301 489-16; EN 301 489-17; EN 301 489-18; EN 301 489-19; EN 301 489-20; EN 301 489-22; EN 301 489-23; EN 301 489-24; EN 301 489-25; EN 301 489-26; EN 301 489-27; EN 301 489-28; EN 301 489-31; EN 301 489-32

Bluetooth

Bluetooth RF, Protocol and Profile Conformance Profile Interoperability

Bluetooth Core and Profile Specifications; Bluetooth Test Specifications (including EDR), RSS 210

SAR

EN 50371; EN 50361; EN 50360; EN 50383 (excluding clause 6); EN 50385; ARPANSA RPS 3; Radiocommunications (Electromagnetic Radiation – Human Exposure) Standard; AS 2772.2; IEEE C95.3; OET Bulletin 65, Supplement C; IEEE 1528-2003, IEEE 1528a-2005; IEC/EN 62209; IEC/EN 62311; RSS 102

Radio, Wireless & Mobile Communication

47 CFR Parts 2 (including SAR and MPE), 15, 22, 24, 80, 90, 95; TIA/EIA 603; TIA/EIA-102.CAAA-A; TIA-968-A; TIA-968-B; EN 300 328; RSS Gen; RSS 111; RSS 112; RSS 117; RSS 118; RSS 119; RSS 123; RSS 125; RSS 127; RSS 129; RSS 131; RSS 132; RSS 133; RSS 134; RSS 135; RSS 136; RSS 137; RSS 138; RSS 139; RSS 141; RSS 142; RSS 170; RSS 181; RSS 182; RSS 188; RSS 191; RSS 192; RSS 193; RSS 194; RSS 195; RSS 196; RSS 197; RSS 199; RSS 210; RSS 213; RSS 215; RSS 220; RSS 243; RSS 287; RSS 310; ARIB STD-T66; ARIB STD-T71; ARIB STD-T90; TELEC T-241; EN 301 839; EN 302 195; EN 300 220; EN 300 330; EN 300 440; EN 300 328; EN 301 893; ANSI C63.10-2009; ANSI C63.17-2006

GSM: EN 301 502; EN 301 511; EN 301 419-01; EN 301 419-02; EN 301 419-03; EN 301 419-07; EN 301 489-08; EN 301 420; TS 51.010-01

UMTS: EN 301 489-24; EN 301 908-01; EN 301 908-02; TS 34.121; TS 34.123-01

OTA: CTIA Test Plan for Mobile Station OTA Performance (CTIA-Cellular Telecommunications & Internet Association)



Tests:

Standard(s):

Broadcasting¹

BETS 1; BETS 3; BETS 4; BETS 5; BETS 6; BETS 7; BETS 8;
BETS 9; BETS 11

COSPAS-SARSAT

EN 300 066 (excluding clause 6.3 – 6.12, 10.1); EN 300 121-1

On the following products or types of products:

Information Technology Equipment (ITE), Industrial, Scientific and Medical Equipment (ISM), Automotive Equipment, Telecommunications Equipment

¹ Field testing service is available for this type of testing and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.

A handwritten signature in black ink, appearing to read "Peter Meyer". The signature is written in a cursive style with a large initial "P".