



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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ELECTRICAL (EMC)

Valid To: March 31, 2016

Certificate Number: 3185.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic compatibility tests:

Test(s):

Test Method(s)¹:

Emissions

Radiated Emissions

CISPR 11:2003 + A1:2004 + A2:2006;
CISPR 11:2009 + A1:2010;
CISPR 16-2-3:2010 + A1:2010 (*Limited to clauses 7.3 and 7.6*);
CISPR 22:2005 + A1:2005;
CISPR 22:2008;
EN 55011:2007 + A2:2007 (*Limited to Group 1, Class A and B*);
EN 55011:2009 + A1:2010 (*Limited to Group 1, Class A and B*);
EN 55022:2006 + A1:2007;
EN 55022:2010

Conducted Emissions

CISPR 11:2003 + A1:2004 + A2:2006;
CISPR 11:2009 + A1:2010;
CISPR 22:2005 + A1:2005;
CISPR 22:2008;
EN 55011:2007 + A2:2007 (*Limited to Group 1, Class A and B*);
EN 55011:2009 + A1:2010 (*Limited to Group 1, Class A and B*);
EN 55022:2006 + A1:2007;
EN 55022:2010

EMC Requirements for
Electrical Equipment for
Portable Test, Measuring and
Monitoring Equipment Used in
Low-Voltage
Distribution Systems

EN 61326-1:2006 (*except IEC 61000-4-8*);
EN 61326-1:2013 (*except IEC 61000-4-8*);
EN 61326-2-1:2006;
IEC 61326-1:2005 (*except IEC 61000-4-8*);
IEC 61326-1:2012; (*except IEC 61000-4-8*);
IEC 61326-2-1:2005;
IEC 61326-2-2:2005 (*except IEC 61000-4-8*);
IEC 61326-2-2:2012 (*except IEC 61000-4-8*);
EN 61326-2-2:2006 (*except IEC 61000-4-8*);
EN 61326-2-2:2013 (*except IEC 61000-4-8*)

Test(s):**Test Method(s)¹:*****Emissions (cont.)***

Land Mobile Service

EN 300 086-1 v1.4.1;
 EN 300 086-2 v1.3.1;
 EN 300 394-1 v2.3.1 (clause 7.1.1, 7.1.2, 7.1.5 through 7.1.7, 7.2.9);
 EN 303 035-1 v1.2.1;
 EN 303 035-2 v1.2.2

Licensed Transmitters

47 CFR, FCC Part 90 [Using ANSI/TIA-603-C-2004 (clause 2.2.12)]

Immunity Testing

Electrostatic Discharge (ESD)

EN 61000-4-2:1995 + A1:1998 + A2:2001;
 EN 61000-4-2:2009;
 IEC 61000-4-2:2001;
 IEC 61000-4-2:2008

Radiated, Radio Frequency,
 Electromagnetic Field
 Immunity Test

EN 61000-4-3:2002 + A1:2002;
 EN 61000-4-3:2006 + A1:2008 + A2:2010;
 IEC 61000-4-3:2002 + A1:2002;
 IEC 61000-4-3:2006 + A1:2007 + A2:2010

Electrical Fast Transient/Burst
 Immunity Test

EN 61000-4-4:2004;
 EN 61000-4-4:2004 + A1:2010;
 EN 61000-4-4:2012;
 IEC 61000-4-4:2004;
 IEC 61000-4-4:2004 + A1:2010;
 IEC 61000-4-4:2012

Surge Immunity Test

EN 61000-4-5:1995 + A1:2001;
 EN 61000-4-5:2006;
 IEC 61000-4-5:1995 + A1:2000;
 IEC 61000-4-5:2005

Immunity to Conducted
 Disturbances, Induced by
 Radio-Frequency Fields

EN 61000-4-6:2005;
 EN 61000-4-6:2009;
 IEC 61000-4-6:2003 + A1:2004 + A2:2006;
 IEC 61000-4-6:2008

Voltage Dips, Short
 Interruptions and Voltage
 Variations Immunity Tests

EN 61000-4-11:2004;
 IEC 61000-4-11:2004

Transients and Surges in the
 Vehicular Environment

ISO 7637-2:2004

Product Standards, Immunity
 Testing for Land Mobile
 Radios

EN 301 489-1 v1.8.1 (*except 8.5 and 8.6*);
 EN 301 489-1 v1.9.2 (*except 8.5 and 8.6*);
 EN 301 489-5 v1.3.1;
 EN 301 489-18 v1.3.1

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of the *R101 - General Requirements - Accreditation of ISO-IEC 17025 Laboratories*.



American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

PSDC EMC LABORATORY

Bayan Lepas, Penang, Malaysia

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 25th day of July 2014.

President & CEO
For the Accreditation Council
Certificate Number 3185.01
Valid to March 31, 2016



For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.