



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PSDC EMC LABORATORY
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ELECTRICAL (EMC)

Valid To: March 31, 2018

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;
CISPR 32:2015;
EN 55032:2015

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

Harmonic Current Emission

IEC 61000-3-2:2005 + A1:2008 + A2:2009;
EN 61000-3-2:2006 + A2:2009

Voltage Changes, Voltage
Fluctuations and Flicker

IEC 61000-3-3:2008;
EN 61000-3-3:2008

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

EMC Requirements for Electrical Equipment for Portable Test, Measuring and Monitoring Equipment Used in Low-Voltage Distribution Systems	EN 61326-1:2006; EN 61326-1:2013; EN 61326-2-1:2006; EN 61326-2-1:2013; EN 61326-2-2:2006; EN 61326-2-2:2013; EN 61326-2-6:2013; IEC 61326-1:2005; IEC 61326-1:2012; IEC 61326-2-1:2005; IEC 61326-2-1:2012; IEC 61326-2-2:2005; IEC 61326-2-2:2012; IEC 61326-2-6:2012
Land Mobile Service	EN 300 086-1 v1.4.1 (<i>Limited to clauses 7.3, 7.6, 8.8</i>); EN 300 086-2 v1.3.1 (<i>Limited to clauses 4.2.3, 4.2.5, 4.3.7</i>); EN 300 394-1 v2.3.1 (<i>Limited to clauses 7.1.6, 7.2.9, 8.6, 9.9</i>); 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

Test(s):***Immunity Testing(cont.)***Power Frequency Magnetic
Field Immunity Test**Test Method(s)¹:**EN 61000-4-8: 2010;
IEC 61000-4-8:2009Voltage Dips, Short
Interruptions and Voltage
Variations Immunity TestsEN 61000-4-11:2004;
IEC 61000-4-11:2004Absorber-Lined Shielded
Enclosure (ALSE)

ISO 11452-2:2004

Bulk Current Injection (BCI)
Substitution Method

ISO 11452-4: 2005

Transients and Surges in the
Vehicular Environment

ISO 7637-2:2004

Product Standards, Immunity
Testing for Land Mobile
RadiosEN 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 v1.3.1Product Standards, Immunity
Testing for Information
Technology EquipmentCISPR 24:2010;
EN 55024:2010

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*.



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 15th day of April 2016.

A handwritten signature in blue ink, appearing to read "J. C. Bunt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 3185.01
Valid to March 31, 2018

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