

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 100431-0

PCTEST Engineering Laboratory, Inc.
Columbia, MD

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated 18 June 2005).*

2007-10-01 through 2008-09-30

Effective dates



Sally S. Bruce
For the National Institute of Standards and Technology



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

PCTEST Engineering Laboratory, Inc.

6660-B Dobbin Road

Columbia, MD 21045-4708

Mr. Randy Ortanez

Phone: 410-290-6652 Fax: 410-290-6654

E-Mail: randy@pctestlab.com

URL: <http://www.pctestlab.com>

**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100431-0

NVLAP Code Designation / Description

Emissions Test Methods:

- 12/CIS22 IEC/CISPR 22 (1997) & EN 55022 (1998) + A1(2000): Limits and methods of measurement of radio disturbance characteristics of information technology equipment
- 12/CIS22a IEC/CISPR 22 (1993) and EN 55022 (1994): Limits and methods of measurement of radio disturbance characteristics of information technology equipment, Amendment 1 (1995) and Amendment 2 (1996)
- 12/CIS22b CNS 13438 (1997): Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment
- 12/FCC15b ANSI C63.4 (2003) with FCC Method 47 CFR Part 15, Subpart B: Unintentional Radiators
- 12/T51a AS/NZS CISPR 22 (2004): Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

Immunity Test Methods:

- 12/I01 IEC 61000-4-2, Ed. 1.2 (2001) + A1, A2; EN 61000-4-2: Electrostatic Discharge Immunity Test
- 12/I02 IEC 61000-4-3, Ed. 2.0 (2002-03); EN 61000-4-3 (2002): Radiated Radio-Frequency Electromagnetic Field Immunity Test

2007-10-01 through 2008-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100431-0

NVLAP Code Designation / Description

- 12/103 IEC 61000-4-4(1995), A1(2000), A2(2001); EN 61000-4-4: Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical Fast Transient/Burst Immunity Test
- 12/104 IEC 61000-4-5, Ed. 1.1 (2001-04); EN 61000-4-5: Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
- 12/105 IEC 61000-4-6, Ed. 2.0 (2003-05); EN 61000-4-6: Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
- 12/106 IEC 61000-4-8, Ed. 1.1 (2001); EN 61000-4-8: Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
- 12/107 IEC 61000-4-11, Ed. 1.1 (2001-03); EN 61000-4-11: Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests

Radio Test Methods

- 12/300220b ETSI EN 300 220-2 v1.3.1 (2000-09): ERM; Short Range Devices; Radio equipment to be used in the 25 MHz to 1,000 MHz frequency range with power levels ranging up to 550 mW; Part 2: Supplementary parameters not intended for conformity purposes
- 12/300328f ETSI EN 300 328 V1.6.1 (2004-07): ERM; Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive
- 12/300330b ETSI EN 300 330-2 v1.1.1 (2001-06): ERM; Short Range Devices (SRD); Radio equipment in the frequency range 9kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
- 12/301489a ETSI EN 301 489-1 v1.5.1 (2004-11): Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

2007-10-01 through 2008-09-30

Effective dates

Sally S. Bruce
For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100431-0

NVLAP Code Designation / Description

- 12/301489b ETSI EN 301 489-3 v1.4.1 (2002-08): Electromagnetic compatibility and Radio spectrum Matters; ElectroMagnetic Compatibility standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

- 12/301489f ETSI EN 301 489-7 v1.2.1 (2002-08): ERM; 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)

2007-10-01 through 2008-09-30

Effective dates


For the National Institute of Standards and Technology