

CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

**INTERFERENCE TESTING AND
CONSULTANCY SERVICES (PTY) LTD
Co. reg no: 1988/002032/07**

Facility Accreditation Number: **T0175**

is a South African National Accreditation System accredited Testing laboratory
provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

EMC TESTING

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

*The accreditation demonstrates technical competency for a defined scope and the operation of a
laboratory quality management system*

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

**Mr R Josias
Chief Executive Officer**

**Effective Date: 31 October 2012
Certificate Expires: 30 October 2017**

ANNEXURE A

SCHEDULE OF ACCREDITATION

Testing Laboratory Number: T0175

<p><u>Permanent Address of Laboratory:</u> ITC (Pty) Ltd Plot No 44 Nieshout Street Kameeldrift East Pretoria 0001</p> <p><u>Postal Address:</u> Private Bag X13 Lynn East 0039</p> <p>Tel : (012) 808-1730 Fax : (012) 808-1733 E-mail : joan.deysel@itc-services.com</p>	<p><u>Technical Signatories</u> : Mr CFH Fouché : Mr JJ Joubert : Mr CJ Deysel : Mr RM van den Berg (RFM only)</p> <p><u>Nominated Representative</u> : Mr CJ Deysel</p> <p>Issue No. : 12 Date of issue : 15 September 2014 Expiry date : 30 October 2017</p>
---	---

Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
Industrial, Scientific and Medical (ISM) Equipment	Electromagnetic disturbance characteristics	SANS 211:2011 / CISPR 11:2010, A1:2010 / EN 55011: 2009
Electrical Lighting and similar equipment	Electromagnetic disturbance characteristics	SANS 215:2009 / CISPR 15:2009 Excluding: Clause 7 / EN 55015:2009
Information Technology Equipment (ITE)	Electromagnetic disturbance characteristics	SANS 222:2009 / CISPR 22:2008 / EN 55022 :2008
Electrical Equipment connected to Public Low-Voltage systems	Harmonic current emissions	SANS 61000-3-2:2009 / IEC 61000-3-2:2009 / EN 61000-3-2:2006
	Voltage changes, voltage fluctuations and flicker	SANS 61000-3-3:2009 / IEC 61000-3-3:2008 / EN 61000-3-3:2008
	Electrostatic immunity	SANS 61000-4-2:2009 / IEC 61000-4-2:2008 / EN 61000-4-2:2009
	Electrical fast transient / burst immunity	SANS 61000-4-4:2011 / IEC 61000-4-4:2011 / EN 61000-4-4:2004+A1:2010
	Surge immunity	SANS 61000-4-5:2006 / IEC 61000-4-5:2005 / EN 61000-4-5:2006
	Immunity to conducted disturbances, induced by radio-frequency fields	SANS 61000-4-6:2009 / IEC 61000-4-6:2008 / EN 61000-4-6:2009
	Immunity to voltage dips, short interruptions and voltage variations	SANS 61000-4-11:2005 / IEC 61000-4-11:2004 / EN 61000-4-11:2004

Original date of accreditation: 02 January 2003

Page 1 of 2

Field Manager

ANNEXURE A

Laboratory No: T0175
Date of issue: 15 September 2014
Expiry date: 30 October 2017

Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
Testing and Measurement Techniques	Radiated, radio-frequency, electromagnets field immunity test	SANS 61000-4-3 2008 / IEC 61000-4-3:2008/ EN61000-4-3: 2006+A2:2010
Radio Frequency Matters (RFM)	Power frequency electric field Immunity Test	SANS 61000-4-8: 2009 / IEC 61000-4-8:2009/ EN61000-4-8:2010
	Pulse magnet field immunity test	SANS 61000-4-9: 2003 / IEC 61000-4-9:2001/ EN 61000-4-9:1994
	Electromagnetic compatibility and radio spectrum matters(ERM);Short range devices-Part 1 & 2	ETSI EN 300 220-1;ETSI EN 300 220-2
	Electromagnetic compatibility and radio spectrum matters(ERM);Wideband transmission systems	ETSI EN 300 328
	Global systems for mobile communications(GSM)	ETSI EN 301 511
	IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R & TTE directive part 1 & 2	ESI EN 301 908-1;ESI EN 301 908-2

Original date of accreditation: 02 January 2003

Page 2 of 2

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Field Manager