
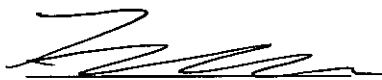




Test Report No.: LD950109L05	
Client	
Name :	Compex Systems Pte Ltd.
Address :	135, Joo Seng Road, #08-01 PM Industrial Building Singapore 368363
Test Item :	NETPASSAGE WP54AG WIRELESS-AG NETWORK ACCESS POINT
Identification :	WP54AG
Testing laboratory	
Name :	Advance Data Technology Corporation
Address :	47 14th Lin, Chiapao Tsuen, Linko, Taipei, Taiwan, R.O.C
Test specification	
Standard :	EN 60950-1:2001
Test Result :	The test item passed.
Tested By :	<div style="display: flex; justify-content: space-between;"> <div>  Signature <u>Jash Chen</u> Engineer </div> <div> <u>February 14, 2006</u> Date </div> </div>
Approved By:	<div style="display: flex; justify-content: space-between;"> <div>  Signature <u>Ted Wu</u> Manager </div> <div> <u>February 14, 2006</u> Date </div> </div>
Other Aspects: The completed test report includes the following documents: ■ EN 60950-1 report (29 pages)	
<div style="display: flex; justify-content: flex-end; align-items: center;">   </div>	
The test report shall not be reproduced except in full, without written approval of the laboratory. This test report does not entitle to carry any safety mark on this or similar products.	

TEST REPORT EN 60950-1:2001 Information technology equipment – Safety – Part 1: General requirements	
Report	
Reference No.	LD950109L05
Compiled by (+ signature)	See cover sheet
Approved by (+ signature)	See cover sheet
Date of issue	February 14, 2006
Testing laboratory	
Name	Advance Data Technology Corporation
Address	47 14th Lin, Chiapao Tsuen, Linko, Taipei, Taiwan, R.O.C
Testing location	Advance Data Technology Corporation
Address	No. 19, Hwa Ya 2nd Rd, Kueishan Taoyuan, Taiwan, R.O.C.
Client	
Name	Compex Systems Pte Ltd.
Address	135, Joo Seng Road, #08-01 PM Industrial Building Singapore 368363
Test specification	
Standard	EN 60950-1:2001
Test procedure	CE Marking serial in LVD
Procedure deviation	N/A.
Non-standard test method	N/A.
Test Report Form/blank test report	
Test Report Form No.	IECEN60950_1B
TRF originator.	SGS Fimko Ltd
Master TRF	dated 2003-03
Test item	
Description	NETPASSAGE WP54AG WIRELESS-AG NETWORK ACCESS POINT
Trademark	Compex
Model and/or type reference	WP54AG
Manufacturer	Compex Systems Pte Ltd.
Rating(s)	Optional, 9Vdc, 0.7A

Copy of marking plate and summary of test results (information/comments):

Compex

NETPASSAGE WP54AG WIRELESS-AG NETWORK ACCESS POINT

Model name : WP54AG



Use only power supplies listed in the user manual.

This is a reference Label. Final label shall be including the content of it.

Particulars: test item vs. test requirements

Equipment mobility	Movable
Operating condition	Continuous
Mains supply tolerance (%)	N/A
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	Class III
Mass of equipment (kg)	0.28kg
Protection against ingress of water	IPX0

Possible test case verdicts:

- test case does not apply to the test object	N/A
- test object does meet the requirement	Pass
- test object does not meet the requirement	Fail

Testing

Date of receipt of test item	February 07, 2006
Date(s) of performance of test	February 09, 2006

General remarks:

This test report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item tested.

- "(see Enclosure #)" refers to additional information appended to the Report.
 - "(see appended table)" refers to a table appended to the Report.
- Throughout this report a comma is used as the decimal separator.

Brief description of the test equipment:

- 1)The equipment is a NETPASSAGE WP54AG WIRELESS-AG NETWORK ACCESS POINT.
- 2)Maximum operating Temperature: 50°C
- 3)Dimension: 144.5 mm by 130.7 mm by 40.5 mm.
Antenna Dimension: length: 112 mm, diameter: 10 mm.

Test condition:

Temperature: 25°C
Relative humidity: 60%
Air pressure: 950 mbar

The test sample was a pre-production sample without serial number.

EN 60950-1:2001			
Clause	Requirement + Test	Result - Remark	Verdict
1	GENERAL		Pass
1.5	Components		Pass
1.5.1	Comply with IEC 60950 or relevant component standard	Components, which were found to affect safety aspects, are complied with the requirements of this standard or within the safety aspects of the relevant IEC component standards. (see appended table 1.5.1)	Pass
1.5.2	Evaluation and testing of components	Components which are certified to IEC and/or nation standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment.	Pass
	Dimensions (mm) of mains plug for direct plug-in	Not direct plug-in equipment.	N/A
	Torque and pull test of mains plug for direct plug-in; torque (Nm); pull (N)		N/A
1.5.3	Thermal controls	No Thermal controls.	N/A
1.5.4	Transformers		N/A
1.5.5	Interconnecting cables	Interconnecting cable for Interconnection is carrying only SELV voltages on an energy level below 240 VA. Except for the insulation material, there is no further requirements to the o/p interconnection cable.	Pass
1.5.6	Capacitors in primary circuits		N/A
1.5.7	Double or reinforced insulation bridged by components		N/A
1.5.7.1	General		N/A
1.5.7.2	Bridging capacitors		N/A
1.5.7.3	Bridging resistors		N/A
1.5.7.4	Accessible parts		N/A
1.5.8	Components in equipment for IT power systems		N/A
1.6	Power interface		Pass
1.6.1	AC power distribution systems	Equipment is not directly connected to the AC mains supply.	N/A
1.6.2	Input current	(see appended table 1.6.2)	Pass
1.6.3	Voltage limit of hand-held equipment		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
1.6.4	Neutral conductor		N/A
1.7	Marking and instructions		Pass
1.7.1	Power rating	Optional	Pass
	Rated voltage(s) or voltage range(s) (V)	9Vdc	Pass
	Symbol for nature of supply for d.c.	(60417-2-IEC-5031)	Pass
	Rated frequency or frequency range (Hz)	DC	N/A
	Rated current (A)	0.7A	Pass
	Manufacturer's name/Trademark	Compex Systems Pte Ltd. / Compex	Pass
	Type/model	NETPASSAGE WP54AG WIRELESS-AG NETWORK ACCESS POINT / WP54AG	Pass
	Symbol of Class II		N/A
	Other symbols	--	N/A
	Certification marks	CE	Pass
1.7.2	Safety instructions	The users manual provided.	Pass
1.7.3	Short duty cycles	Equipment is designed for continuous operation.	N/A
1.7.4	Supply voltage adjustment		N/A
1.7.5	Power outlets on the equipment	No power outlets.	N/A
1.7.6	Fuse identification		N/A
1.7.7	Wiring terminals		N/A
1.7.7.1	Protective earthing and bonding terminals	Class III equipment.	N/A
1.7.7.2	Terminal for a.c. mains supply conductors	Class III equipment.	N/A
1.7.7.3	Terminals for d.c. mains supply conductors		N/A
1.7.8	Controls and indicators		N/A
1.7.8.1	Identification, location and marking		N/A
1.7.8.2	Colours		N/A
1.7.8.3	Symbols according to IEC 60417		N/A
1.7.8.4	Markings using figures		N/A
1.7.9	Isolation of multiple power sources	Only SELV supply.	N/A
1.7.10	IT power system	No connection to mains	N/A
1.7.11	Thermostats and other regulating devices	No thermostat or other regulating devices.	N/A
1.7.12	Language	Instruction and equipment marking are in English, safety related information will be in a language which is acceptable in the country in which the equipment is to be installed.	Pass

EN 60950-1:2001			
Clause	Requirement + Test	Result - Remark	Verdict
1.7.13	Durability	The label was subjected to the test for permanence of marking. The label was rubbed with cloth for 15s. And then rubbed by the cloth soaked with Naphtha for 15s. After this test there was no damage to the label. The marking on the label did not fade. There was no curling nor lifting on the label edge.	Pass
1.7.14	Removable parts	Markings is not placed on removable parts	N/A
1.7.15	Replaceable batteries	No batteries provided	N/A
	Language		—
1.7.16	Operator access with a tool		N/A
1.7.17	Equipment for restricted access locations	No restricted access location	N/A

2	PROTECTION FROM HAZARDS	Pass
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2.1	Protection from electric shock and energy hazards		Pass
2.1.1	Protection in OPERATOR access areas	The equipment is supplied from an approved SPS adaptor that provides only SELV voltages. Furthermore there are no hazardous voltages generated internally. Therefore there are no protective measures required for the protection against electrical shock.	Pass
2.1.1.1	Access to energized parts	The equipment is supplied from SELV voltage only.	N/A
	Test by inspection		N/A
	Test with test finger		N/A
	Test with test pin		N/A
	Test with test probe		N/A
2.1.1.2	Battery compartments	No battery compartment provided in TNV circuit.	N/A
2.1.1.3	Access to ELV wiring	No ELV wiring in operator accessible area.	N/A
	Working voltage (V); distance (mm) through insulation		—
2.1.1.4	Access to hazardous voltage circuit wiring	No hazardous voltage wiring in operator accessible area.	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
2.1.1.5	Energy hazards	No energy hazard in operator access area. The connectors of the equipment below 240VA.	Pass
2.1.1.6	Manual controls		N/A
2.1.1.7	Discharge of capacitors in the primary circuit		N/A
	Time-constant (s); measured voltage (V)		—
2.1.2	Protection in service access areas	No maintenance work in operation mode necessary.	N/A
2.1.3	Protection in restricted access locations	It is not intended to be used in restricted locations.	N/A
2.2	SELV circuits		Pass
2.2.1	General requirements	Supply from SELV and no hazardous voltage generated inside.	Pass
2.2.2	Voltages under normal conditions (V)		N/A
2.2.3	Voltages under fault conditions (V)		N/A
2.2.3.1	Separation by double or reinforced insulation (method 1)	Class III equipment	N/A
2.2.3.2	Separation by earthed screen (method 2)		N/A
2.2.3.3	Protection by earthing of the SELV circuit (method 3)		N/A
2.2.4	Connection of SELV circuits to other circuits		N/A
2.3	TNV circuits		N/A
2.3.1	Limits		N/A
	Type of TNV circuits		—
2.3.2	Separation from other circuits and from accessible parts		N/A
	Insulation employed		—
2.3.3	Separation from hazardous voltages		N/A
	Insulation employed		—
2.3.4	Connection of TNV circuits to other circuits		N/A
	Insulation employed		—
2.3.5	Test for operating voltages generated externally	Not applicable.	N/A
2.4	Limited current circuits		N/A
2.4.1	General requirements		N/A
2.4.2	Limit values		N/A
	Frequency (Hz)		—

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Clause	Requirement + Test	Result - Remark	Verdict
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	Measured current (mA)		—
	Measured voltage (V)		—
	Measured capacitance (μF)		—
2.4.3	Connection of limited current circuits to other circuits		N/A

2.5	Limited power sources		N/A
	Inherently limited output		N/A
	Impedance limited output		N/A
	Overcurrent protective device limited output		N/A
	Regulating network limited output under normal operating and single fault condition		N/A
	Regulating network limited output under normal operating conditions and overcurrent protective device limited output under single fault condition		N/A
	Output voltage (V), output current (A), apparent power (VA)		—
	Current rating of overcurrent protective device (A)		—

2.6	Provisions for earthing and bonding		N/A
2.6.1	Protective earthing		N/A
2.6.2	Functional earthing		N/A
2.6.3	Protective earthing and protective bonding conductors		N/A
2.6.3.1	General		N/A
2.6.3.2	Size of protective earthing conductors		N/A
	Rated current (A), cross-sectional area (mm^2), AWG		—
2.6.3.3	Size of protective bonding conductors		N/A
	Rated current (A), cross-sectional area (mm^2), AWG		—
2.6.3.4	Rated current (A), type and nominal thread diameter (mm)		N/A
	Resistance (Ω) of earthing conductors and their terminations, test current (A)		N/A
2.6.3.5	Colour of insulation		N/A
2.6.4	Terminals		N/A
2.6.4.1	General		N/A
2.6.4.2	Protective earthing and bonding terminals		N/A
	Rated current (A), type and nominal thread diameter (mm)		—

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Clause	Requirement + Test	Result - Remark	Verdict
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		N/A
2.6.5	Integrity of protective earthing		N/A
2.6.5.1	Interconnection of equipment		N/A
2.6.5.2	Components in protective earthing conductors and protective bonding conductors		N/A
2.6.5.3	Disconnection of protective earth		N/A
2.6.5.4	Parts that can be removed by an operator		N/A
2.6.5.5	Parts removed during servicing		N/A
2.6.5.6	Corrosion resistance		N/A
2.6.5.7	Screws for protective bonding		N/A
2.6.5.8	Reliance on telecommunication network or cable distribution system		N/A
2.7	Overcurrent and earth fault protection in primary circuits		N/A
2.7.1	Basic requirements	Certified power used	N/A
	Instructions when protection relies on building installation		N/A
2.7.2	Faults not covered in 5.3		N/A
2.7.3	Short-circuit backup protection		N/A
2.7.4	Number and location of protective devices		N/A
2.7.5	Protection by several devices		N/A
2.7.6	Warning to service personnel		N/A
2.8	Safety interlocks		N/A
2.8.1	General principles		N/A
2.8.2	Protection requirements		N/A
2.8.3	Inadvertent reactivation		N/A
2.8.4	Fail-safe operation		N/A
2.8.5	Interlocks with moving parts		N/A
2.8.6	Overriding an interlock		N/A
2.8.7	Switches and relays in interlock systems		N/A
2.8.7.1	Contact gaps (mm)		N/A
2.8.7.2	Overload test		N/A
2.8.7.3	Endurance test		N/A
2.8.7.4	Electric strength test (V)		N/A
2.8.8	Mechanical actuators		N/A
2.9	Electrical insulation		N/A
2.9.1	Properties of insulating materials		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
2.9.2	Humidity conditioning		N/A
2.9.3	Requirements for insulation		N/A
2.9.4	Insulation parameters		N/A
2.9.5	Grade of insulation		N/A
2.10	Clearances, creepage distances and distances through insulation		N/A
2.10.1	General		N/A
2.10.2	Determination of working voltage		N/A
2.10.3	Clearances		N/A
2.10.3.1	General		N/A
2.10.3.2	Clearances in primary circuit		N/A
2.10.3.3	Clearances in secondary circuits		N/A
2.10.3.4	Measurement of transient levels		N/A
2.10.4	Creepage distances		N/A
	CTI tests		—
2.10.5	Solid insulation		N/A
2.10.5.1	Minimum distance through insulation		N/A
2.10.5.2	Thin sheet material		N/A
	Number of layers (pcs)		—
	Electric strength test		—
2.10.5.3	Printed boards		N/A
2.10.5.4	Wound components		N/A
	Number of layers (pcs)		N/A
	Two wires in contact inside component; angle between 45° and 90°		N/A
2.10.6	Coated printed boards	No coated printed boards.	N/A
2.10.6.1	General		N/A
2.10.6.2	Sample preparation and preliminary inspection		N/A
2.10.6.3	Thermal cycling		N/A
2.10.6.4	Thermal ageing (°C)		N/A
2.10.6.5	Electric strength test		—
2.10.6.6	Abrasion resistance test		N/A
	Electric strength test		—
2.10.7	Enclosed and sealed parts	No hermetically sealed components.	N/A
	Temperature $T_1 = T_2 = T_{mra} - T_{amb} + 10K$ (°C)		N/A
2.10.8	Spacings filled by insulating compound		N/A
	Electric strength test		—

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Clause	Requirement + Test	Result - Remark	Verdict
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2.10.9	Component external terminations		N/A
2.10.10	Insulation with varying dimensions		N/A

3	WIRING, CONNECTIONS AND SUPPLY		Pass
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3.1	General		N/A
3.1.1	Current rating and overcurrent protection		N/A
3.1.2	Protection against mechanical damage		N/A
3.1.3	Securing of internal wiring	Not used	N/A
3.1.4	Insulation of conductors		N/A
3.1.5	Beads and ceramic insulators	Not used.	N/A
3.1.6	Screws for electrical contact pressure		N/A
3.1.7	Non-metallic materials in electrical connections		N/A
3.1.8	Self-tapping and spaced thread screws		N/A
3.1.9	Termination of conductors		N/A
	10 N pull test		N/A
3.1.10	Sleeving on wiring		N/A

3.2	Connection to a.c. mains supplies		N/A
3.2.1	Means of connection		N/A
3.2.1.1	Connection to an a.c. mains supply		N/A
3.2.1.2	Connection to a d.c. mains supply		N/A
3.2.2	Multiple supply connections		N/A
3.2.3	Permanently connected equipment		N/A
	Number of conductors, diameter (mm) of cable and conduits		—
3.2.4	Appliance inlets		N/A
3.2.5	Power supply cords		N/A
3.2.5.1	AC power supply cords		—
	Type		—
	Rated current (A), cross-sectional area (mm ²), AWG		—
3.2.5.2	DC power supply cords		N/A
3.2.6	Cord anchorages and strain relief		N/A
	Mass of equipment (kg), pull (N)		—
	Longitudinal displacement (mm)		—
3.2.7	Protection against mechanical damage		N/A
3.2.8	Cord guards		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	D (mm); test mass (g)		—
	Radius of curvature of cord (mm)		—
3.2.9	Supply wiring space		N/A
3.3	Wiring terminals for connection of external conductors		N/A
3.3.1	Wiring terminals		N/A
3.3.2	Connection of non-detachable power supply cords		N/A
3.3.3	Screw terminals		N/A
3.3.4	Rated current (A), cord/cable type, cross-sectional area (mm ²)		N/A
3.3.5	Rated current (A), type and nominal thread diameter (mm)		N/A
3.3.6	Wiring terminals design		N/A
3.3.7	Grouping of wiring terminals		N/A
3.3.8	Stranded wire		N/A
3.4	Disconnection from the a.c. mains supply		N/A
3.4.1	General requirement		N/A
3.4.2	Disconnect devices		N/A
3.4.3	Permanently connected equipment		N/A
3.4.4	Parts which remain energized		N/A
3.4.5	Switches in flexible cords		N/A
3.4.6	Single-phase equipment		N/A
3.4.7	Three-phase equipment		N/A
3.4.8	Switches as disconnect devices		N/A
3.4.9	Plugs as disconnect devices		N/A
3.4.10	Interconnected equipment		N/A
3.4.11	Multiple power sources		N/A
3.5	Interconnection of equipment		Pass
3.5.1	General requirements	See below	Pass
3.5.2	Types of interconnection circuits	Interconnection circuits of SELV through Sec. O/p cable. No ELV interconnection circuits.	Pass
3.5.3	ELV circuits as interconnection circuits		N/A
4	PHYSICAL REQUIREMENTS		Pass

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Clause	Requirement + Test	Result - Remark	Verdict
4.1	Stability		Pass
	Angle of 10°		Pass
	Test: force (N)	Not floor standing equipment.	N/A
4.2	Mechanical strength		N/A
4.2.1	General		N/A
4.2.2	Steady force test, 10 N		N/A
4.2.3	Steady force test, 30 N		N/A
4.2.4	Steady force test, 250 N		N/A
4.2.5	Impact test		N/A
4.2.6	Drop test	Not hand-held equipment	N/A
4.2.7	Stress relief		N/A
4.2.8	Cathode ray tubes		N/A
	Picture tube separately certified		N/A
4.2.9	High pressure lamps		N/A
4.2.10	Wall or ceiling mounted equipment; force (N)		N/A
4.3	Design and construction		Pass
4.3.1	Edges and corners	Edges and corners are rounded.	Pass
4.3.2	Handles and manual controls; force (N)		N/A
4.3.3	Adjustable controls		N/A
4.3.4	Securing of parts		N/A
4.3.5	Connection of plugs and sockets		N/A
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	N/A
	Torque (Nm)		—
4.3.7	Heating elements in earthed equipment	No heating element.	N/A
4.3.8	Batteries	No batteries used.	N/A
4.3.9	Oil and grease	No oil or gas used.	N/A
4.3.10	Dust, powders, liquids and gases		N/A
4.3.11	Containers for liquids or gases	No liquids or gases.	N/A
4.3.12	Flammable liquids		N/A
	Quantity of liquid (l)		N/A
	Flash point (°C)		N/A
4.3.13	Radiation; type of radiation		N/A
4.3.13.1	General		N/A
4.3.13.2	Ionizing radiation		N/A
	Measured radiation (pA/kg)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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	Measured high-voltage (kV)		N/A
	Measured focus voltage (kV)		N/A
	CRT markings		N/A
4.3.13.3	Effect of ultraviolet (UV) radiation on materials		N/A
4.3.13.4	Human exposure to ultraviolet (UV) radiation		N/A
	Part, property, retention after test, flammability classification		N/A
4.3.13.5	Laser (including LEDs)		N/A
	Laser class		N/A
4.3.13.6	Other types		N/A

4.4	Protection against hazardous moving parts		N/A
4.4.1	General		N/A
4.4.2	Protection in operator access areas		N/A
4.4.3	Protection in restricted access locations		N/A
4.4.4	Protection in service access areas		N/A

4.5	Thermal requirements		Pass
4.5.1	Temperature rises	(see appended table 4.5)	Pass
	Normal load condition per Annex L	Dto.	Pass
4.5.2	Resistance to abnormal heat		N/A

4.6	Openings in enclosures		N/A
4.6.1	Top and side openings	See below	N/A
	Dimensions (mm)	Top and Side: Numerous vertical rectangle openings cover two identical areas of 63.3mm by 20.0mm, each opening measured 1.8mm by 18.2mm.	—
4.6.2	Bottoms of fire enclosures	See below	N/A
	Construction of the bottom	Three circle openings measured 3.0mm max.	—
4.6.3	Doors or covers in fire enclosures		N/A
4.6.4	Openings in transportable equipment	Not transportable equipment.	N/A
4.6.5	Adhesives for constructional purposes	No adhesives for construction purposes.	N/A
	Conditioning temperature/time		—

4.7	Resistance to fire		Pass
4.7.1	Reducing the risk of ignition and spread of flame	Use of materials with the required flammability classes.	Pass

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Clause	Requirement + Test	Result - Remark	Verdict
4.7.2	Conditions for a fire enclosure	With having the following components: -components with windings -wiring -semiconductor devices, transistors, diodes, integrated circuits. -resistors, capacitors, inductors.	Pass
4.7.2.1	Parts requiring a fire enclosure		N/A
4.7.2.2	Parts not requiring a fire enclosure	The power adapter complied with 2.5	Pass
4.7.3	Materials		Pass
4.7.3.1	General		Pass
4.7.3.2	Materials for fire enclosures	HB min.	Pass
4.7.3.3	Materials for components and other parts outside fire enclosures		N/A
4.7.3.4	Materials for components and other parts inside fire enclosures	HB min.	Pass
4.7.3.5	Materials for air filter assemblies		N/A
4.7.3.6	Materials used in high-voltage components		N/A

5	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS	Pass
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5.1	Touch current and protective conductor current	N/A
5.1.1	General	N/A
5.1.2	Equipment under test (EUT)	N/A
5.1.3	Test circuit	N/A
5.1.4	Application of measuring instrument	N/A
5.1.5	Test procedure	N/A
5.1.6	Test measurements	N/A
	Test voltage (V)	—
	Measured current (mA)	—
	Max. allowed current (mA)	—
5.1.7	Equipment with touch current exceeding 3.5 mA	N/A
5.1.8	Touch currents to and from telecommunication networks	N/A
5.1.8.1	Limitation of the touch current to a telecommunication network	N/A
	Test voltage (V)	—
	Measured current (mA)	—

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	Max. allowed current (mA)		—
5.1.8.2	Summation of touch currents from telecommunication networks		N/A

5.2	Electric strength		N/A
5.2.1	General		N/A
5.2.2	Test procedure		N/A

5.3	Abnormal operating and fault conditions		Pass
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	Pass
5.3.2	Motors	The equipment does not have any motors.	N/A
5.3.3	Transformers		N/A
5.3.4	Functional insulation		N/A
5.3.5	Electromechanical components		N/A
5.3.6	Simulation of faults	Ventilation openings blocked	Pass
5.3.7	Unattended equipment		N/A
5.3.8	Compliance criteria for abnormal operating and fault conditions		Pass
5.3.8.1	During the tests	No fire propagated beyond the equipment. No molten metal was emitted.	Pass
5.3.8.2	After the tests		N/A

6	CONNECTION TO TELECOMMUNICATION NETWORKS		N/A
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6.1	Protection of telecommunication network service personnel, and users of other equipment connected to the network, from hazards in the equipment		N/A
6.1.1	Protection from hazardous voltages		N/A
6.1.2	Separation of the telecommunication network from earth		N/A
6.1.2.1	Requirements		N/A
	Test voltage (V)		—
	Current in the test circuit (mA)		—
6.1.2.2	Exclusions		N/A

6.2	Protection of equipment users from overvoltages on telecommunication networks		N/A
6.2.1	Separation requirements		N/A
6.2.2	Electric strength test procedure		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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6.2.2.1	Impulse test		N/A
6.2.2.2	Steady-state test		N/A
6.2.2.3	Compliance criteria		N/A

6.3	Protection of telecommunication wiring system from overheating		N/A
	Max. output current (A)		—
	Current limiting method		—

7	CONNECTION TO CABLE DISTRIBUTION SYSTEMS		N/A
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7.1	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment		N/A
7.2	Protection of equipment users from overvoltages on the cable distribution system		N/A
7.3	Insulation between primary circuits and cable distribution systems		N/A
7.3.1	General		N/A
7.3.2	Voltage surge test		N/A
7.3.3	Impulse test		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
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A	ANNEX A, TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
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A.1	Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2)		N/A
A.1.1	Samples, material		—
	Wall thickness (mm)		—
A.1.2	Conditioning of samples; temperature (°C)		N/A
A.1.3	Mounting of samples		N/A
A.1.4	Test flame		N/A
A.1.5	Test procedure		N/A
A.1.6	Compliance criteria		N/A
	Sample 1 burning time (s)		—
	Sample 2 burning time (s)		—
	Sample 3 burning time (s)		—

A.2	Flammability test for fire enclosures of movable equipment having a total mass not exceeding 18 kg, and for material and components located inside fire enclosures (see 4.7.3.2 and 4.7.3.4)		N/A
A.2.1	Samples, material		—
	Wall thickness (mm)		—
A.2.6	Compliance criteria		N/A
	Sample 1 burning time (s)		—
	Sample 2 burning time (s)		—
	Sample 3 burning time (s)		—
A.2.7	Alternative test acc. to IEC 60695-2-2, cl. 4, 8		N/A
	Sample 1 burning time (s)		—
	Sample 2 burning time (s)		—
	Sample 3 burning time (s)		—

A.3	Hot flaming oil test (see 4.6.2)		N/A
A.3.1	Mounting of samples		—
A.3.2	Test procedure		—
A.3.3	Compliance criterion		N/A

B	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)		N/A
B.1	General requirements		N/A
	Position		—
	Manufacturer		—

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Clause	Requirement + Test	Result - Remark	Verdict
	Type		—
	Rated values		—
B.2	Test conditions		N/A
B.3	Maximum temperatures		N/A
B.4	Running overload test		N/A
B.5	Locked-rotor overload test		N/A
	Test duration (days)		—
	Electric strength test: test voltage (V)		—
B.6	Running overload test for DC motors in secondary circuits		N/A
B.7	Locked-rotor overload test for DC motors in secondary circuits		N/A
B.7.1	Test procedure		N/A
B.7.2	Alternative test procedure; test time (h)		N/A
B.7.3	Electric strength test		N/A
B.8	Test for motors with capacitors		N/A
B.9	Test for three-phase motors		N/A
B.10	Test for series motors		N/A
	Operating voltage (V)		—

C	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)		N/A
	Position		—
	Manufacturer		—
	Type		—
	Rated values		—
C.1	Overload test		N/A
C.2	Insulation		N/A

C.2	Safety isolation transformer		N/A
Construction details :			
Manufacturer :			
Type:			
Recurring peak voltage			
Required clearance insulation (from table 2H+2J)			
for Reinforced insulation			
for Basic			

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Clause	Requirement + Test	Result - Remark	Verdict
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Effective voltage rms			
Required creepage insulation (from table L) for reinforced insulation			
for Reinforced insulation			
for Basic			
Measured min. clearance			
primary-secondary (Reinforced)			
primary-core (Basic)			
secondary-core (Basic)			
Measured min. creepage			
primary-secondary (Reinforced)			
primary-core (Basic)			
secondary-core (Basic)			
Construction:			
Pin numbers			
Primary			
Secondary			
Bobbin material			
Thickness			
Electric strength test			

D	Annex D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS		N/A
D.1	Measuring instrument		N/A
D.2	Alternative measuring instrument		N/A

E	Annex E, TEMPERATURE RISE OF A WINDING		N/A
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F	Annex F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES (see 2.10)		N/A
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Clause	Requirement + Test	Result - Remark	Verdict
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G	ANNEX G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES		N/A
G.1	Summary of the procedure for determining minimum clearances		N/A
G.2	Determination of mains transient voltage (V)		N/A
G.3	Determination of telecommunication network transient voltage (V)		N/A
G.4	Determination of required withstand voltage (V)		N/A
G.5	Measurement of transient levels (V)		N/A
G.6	Determination of minimum clearances		N/A

H	ANNEX H, IONIZING RADIATION (see 4.3.13)		N/A
	Ionizing radiation		N/A
	Measured radiation (mR/h)		—
	Measured high-voltage (kV)		—
	Measured focus voltage (kV)		—
	CRT markings		—

J	ANNEX J, TABLE OF ELECTROCHEMICAL POTENTIALS (see 2.6.5.6)		N/A
	Metal used		—

K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and 5.3.7)		N/A
K.1	Making and breaking capacity		N/A
K.2	Thermostat reliability; operating voltage (V)		N/A
K.3	Thermostat endurance test; operating voltage (V)		N/A
K.4	Temperature limiter endurance; operating voltage (V)		N/A
K.5	Thermal cut-out reliability		N/A
K.6	Stability of operation		N/A

L	Annex L, NORMAL LOAD CONDITIONS FOR SOME TYPES OF ELECTRICAL BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1)		N/A
L.1	Typewriters		N/A
L.2	Adding machines and cash registers		N/A
L.3	Erasers		N/A
L.4	Pencil sharpeners		N/A
L.5	Duplicators and copy machines		N/A

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L.6	Motor-operated files		N/A
L.7	Other business equipment		N/A

M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)		N/A
M.2	Method A		N/A
M.3	Method B		N/A
M.3.1	Ringing signal		N/A
M.3.1.1	Frequency (f)		—
M.3.1.2	Voltage (V)		—
M.3.1.3	Cadence; time (s), voltage (V)		—
M.3.1.4	Single fault current (mA)		—
M.3.2	Tripping device and monitoring voltage		N/A
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N/A
M.3.2.2	Tripping device		N/A
M.3.2.3	Monitoring voltage (V)		N/A

N	Annex N, IMPULSE TEST GENERATORS (see 2.10.3.4, 6.2.2.1, 7.3.2 and clause G.5)		N/A
N.1	ITU-T impulse test generators		N/A
N.2	IEC 60065 impulse test generator		N/A

P	Annex P, NORMATIVE REFERENCES		N/A
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Q	Annex Q, BIBLIOGRAPHY		N/A
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R	Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES		N/A
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)		N/A
R.2	Reduced clearances (see 2.10.3)		N/A

S	Annex S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)		N/A
S.1	Test equipment		N/A
S.2	Test procedure		N/A
S.3	Examples of waveforms during impulse testing		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

T	Annex T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER (see 1.1.2)		N/A
			—

U	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)		N/A
	Separate test report		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

1.5.1	TABLE: list of critical components				Pass
object/part No.	manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity ¹⁾
Power adapter (LPS)	Outstanding Electronics Manufacturer Co., Ltd	AD-0970B	I/P:230Vac, 50Hz, 80mA, O/P: 9Vdc, 700mA	EN 60950:2000	CB (issue by Semko)
Enclosure material	--	--	HB or better,	UL 94	UL
PWB	--	--	V-1 or better, 105°C	UL 796	UL
¹⁾ an asterisk indicates a mark which assures the agreed level of surveillance					

1.6.2	TABLE: electrical data (in normal conditions)					Pass
fuse #	I rated (A)	U (V)	P (W)	I (mA)	I fuse (mA)	condition/status
--	0.70	9Vdc	3.447	383	--	Maximum normal load
supplementary information: Maximum normal load defined: Unit connected with network, and operated continuously.						

4.5	TABLE: temperature rise measurements			Pass
	test voltage (V)	9Vdc		—
	t1 (°C)	--		—
	t2 (°C)	--		—
Maximum temperature T of part/at:		T(°C)	allowed T _{max} (°C)	
Maximum normal load				
Ambient		T _{mra} =50 °C (25.8°C)	--	
DC Jack		84.9	--	
T1 coil		95.6	105	
T1 core		96.2	105	
C4 body		94.8	105	
U9 body		92.6	--	
LU04 coil		96.5	105	
PWB under U1		97.9	105	
PWB under U2		94.3	105	

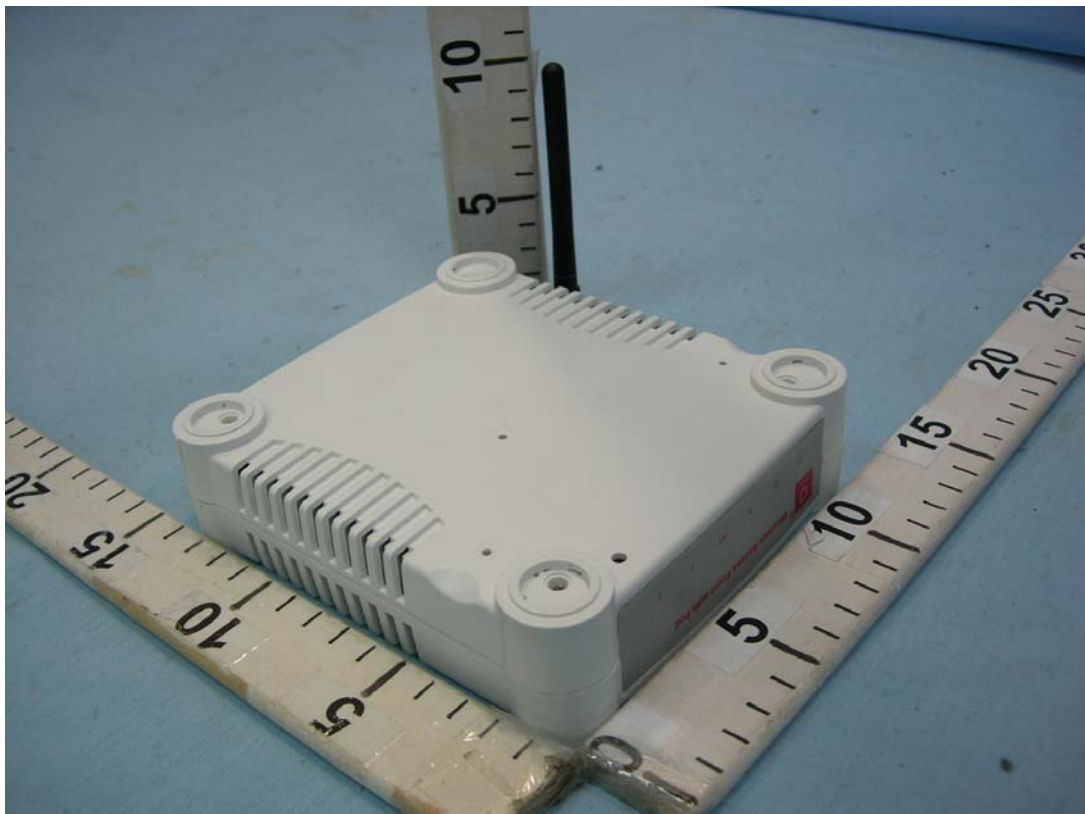
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Clause	Requirement + Test	Result - Remark	Verdict
	PWB under RX/TX metal enclosure	101.2	105
	Enclosure inside near U1	97.5	--
	Enclosure outside near U1	82.7	95
Ventilation openings blocked			
	Ambient	T _{mra} =50 °C (25.7°C)	--
	DC Jack	88.4	--
	T1 coil	98.9	165
	T1 core	99.4	165
	C4 body	98.1	--
	U9 body	95.6	--
	LU04 coil	100.1	--
	PWB under U1	100.8	--
	PWB under U2	96.9	--
	PWB under RX/TX metal enclosure	104.4	--
	Enclosure inside near U1	91.3	--
	Enclosure outside near U1	86.4	--
<p>Comments</p> <p>temperatures were measured under worst case normal mode defined in 1.2.2.1 and as described in sub-clause 1.6.2 and at voltage as described above.</p> <p>ambient temperature T_{max} is defined at 50°C.</p> <p>Winding components:</p> <ul style="list-style-type: none"> - Class E (105°C) → T_{max} = 105°C <p>Components:</p> <ul style="list-style-type: none"> - Capacitor temp. 105°C → T_{max} = 105°C - PWB temp. 105 °C → T_{max} = 105 °C - Choke temp. 105 °C → T_{max} = 105 °C - External enclosure which may be touch temp. 95 °C → T_{max} = 95 °C <p>The The max.</p>			

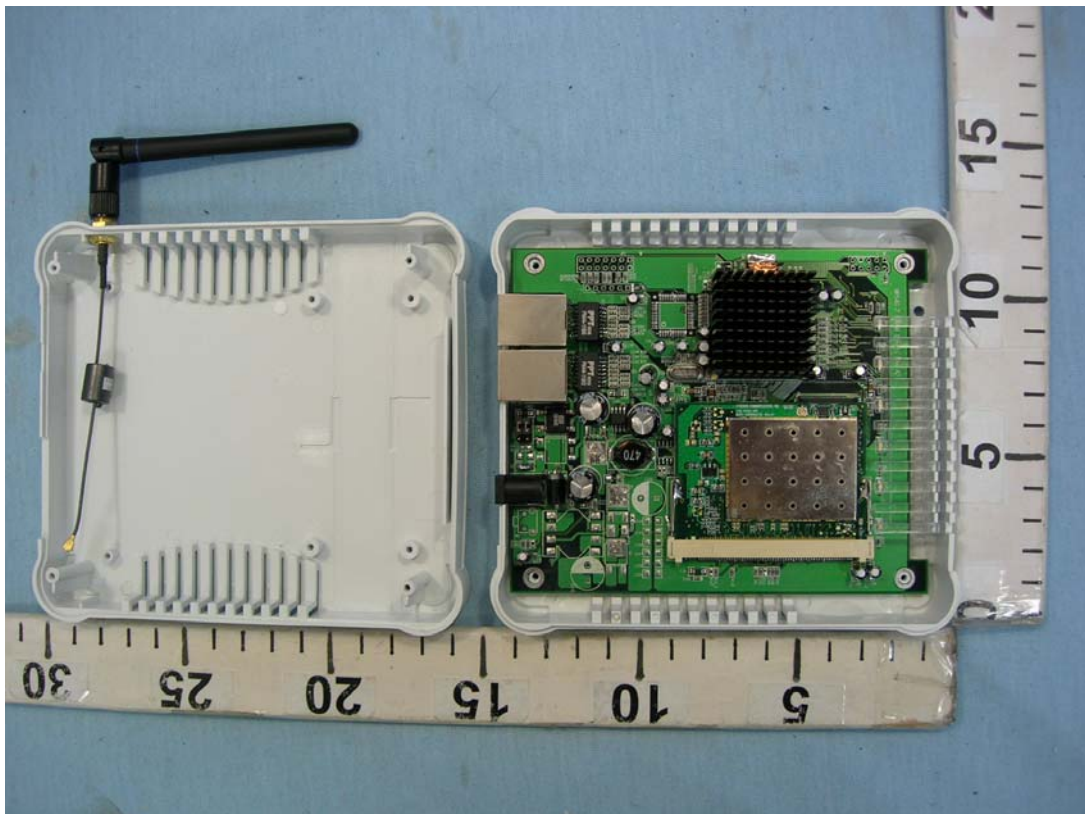
5.3	TABLE: fault condition tests					Pass
	ambient temperature (°C)		9Vdc:25.7°C			—
	model/type of power supply					—
	manufacturer of power supply					—
	rated markings of power supply					—
component No.	fault	test voltage (V)	test time	fuse No.	fuse current (A)	result
Ventilation openings	Blocked	9Vdc	1.4 hrs	--	--	Unit operated normally, no hazard.

Clause	Requirement + Test	Result - Remark	Verdict
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Photos:



Clause	Requirement + Test	Result - Remark	Verdict
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