

APPLICATION FOR RED DIRECTIVE

On Behalf of MAXIIOT LTD

oten Anb

Model: GL5712-EX, GL5712-EA

LoRaWAN

Prepared For : MAXIIOT LTD

No.60, Zhongshan Rd., Tucheng Dist, New Taipei, Taiwan

23680

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

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Date of Test: Aug. 30, 2018 to Nov. 13, 2018

Date of Report: Nov. 13, 2018

Report Number: SZAWW180830005-02S



TEST REPORT

IEC 60950-1

Information technology equipment – Safety – Part 1: General requirements

Report Number.....: SZAWW180830005-02S

Date of issue.....: Nov. 13, 2018

Total number of pages...... 51 pages

Applicant's name.....: MAXIIOT LTD

Address.....: No.60, Zhongshan Rd., Tucheng Dist, New Taipei, Taiwan 23680

Test specification:

Standard.....: IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

Test procedure....: Type Tested

Non-standard test method.....: N/A

General disclaimer:

The test results presented in this report relate only to the object tested.

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Testing procedure and testing location:

☐ Testing Laboratory: Shenzhen Anbotek Compliance Laboratory Limited

Testing location/ address...... 1/F, Building D, Sogood Science and Technology Park,

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

R0T

Tested by (name + signature).....: Yoli Peng

Approved by (+ signature).....: Jeff Zhu



Test item description....: LoRaWAN

Trade Mark....: MAXIIOT

Manufacturer.....: MAXIIOT LTD

No.60, Zhongshan Rd., Tucheng Dist, New Taipei, Taiwan 23680

Model/Type reference.....: GL5712-EX, GL5712-EA

Ratings.....: Input: 3.3V== 2A

Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

Electrical safety

- EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:20 13

Testing location:

Shenzhen Anbotek Compliance Laboratory Limited 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES The product fulfils the requirements of EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Copy of marking plate:

LoRaWAN

MAXIIOT

Model: GL5712-EX Input: 3.3V=== 2A



Product Identification Element: CHSZ1842000000

Manufaccturer: MAXIIOT LTD

Address: No.60, Zhongshan Rd., Tucheng Dist,

New Taipei, Taiwan 23680

(The label should be attached to the back of the product.)

- The above markings are the minimum requirements required by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.





Movable	Test item particulars:	
Connection to the mains	Equipment mobility:	WV WV
Permanent connection Detachable power supply cord Non-detachable power supply cord Non-detachable power supply cord Non-detachable power supply cord Non-detachable power supply cord Not directly connected to the mains built-in component, consider in end system Continuous Rated operating / resting time: Over voltage category (OVC) OVC	K wotek Ambote And	000
Detachable power supply cord Non-detachable power supply cord Non-detachable power supply cord Non-detachable power supply cord Not directly connected to the mains built-in component, consider in end system Continuous Rated operating / resting time: Over voltage category (OVC) OVC O	Connection to the mains	
Non-detachable power supply cord Not directly connected to the mains built-in component, consider in end system Operating condition		V. M.
Not directly connected to the mains built-in component, consider in end system		
Operating condition		
Rated operating / resting time: Over voltage category (OVC) OVC		
Over voltage category (OVC)	Operating condition:	
Mains supply tolerance (%) or absolute mains supply values	And tek shotek Anbo K	18, 70, 11, 11, 11, 11, 11, 11, 11, 11, 11, 1
values	Over voltage category (OVC):	
Tested for IT power systems	Mains supply tolerance (%) or absolute mains supply	N Atek Anbotek Anbot Al hotek
IT testing, phase-phase voltage (V)	values:	
Class of equipment	Tested for IT power systems:	☐ Yes ☐ No
Considered current rating of protective device as part of the building installlation (A)	IT testing, phase-phase voltage (V):	N.A. modek unbodek unbodek
of the building installlation (A)	Class of equipment:	
Pollution degree (PD)	Considered current rating of protective device as part	
Pollution degree (PD)	of the building installlation (A)	Not directly connected to the mains
Altitude during operation (m)	Pollution degree (PD)	□ PD 1
Altitude of test laboratory (m)	IP protection class:	IPX0
Altitude of test laboratory (m)	Altitude during operation (m):	2000
Possible test case verdicts: - test case does not apply to the test object	Altitude of test laboratory (m):	<500
- test object does meet the requirement		Anbotek Anbotek Anbote Anb
- test object does not meet the requirement: F (Fail) Testing	- test case does not apply to the test object:	N/A (Not Applicable)
Testing : Date of receipt of test item : Aug. 30, 2018	- test object does meet the requirement:	P (Pass)
Date of receipt of test item Aug. 30, 2018	- test object does not meet the requirement:	F (Fail)
K TOLE MULTINETHE TO THE TOTAL THE T	Testing	hotek Anbotek Anbotek
Date(s) of performance of tests Aug. 30, 2018 to Nov. 13, 2018	Date of receipt of test item:	Aug. 30, 2018
	Date(s) of performance of tests	Aug. 30, 2018 to Nov. 13, 2018



General remarks:							
"(See Enclosure #)" refers to a	additional info	rmation a	ppended to	the report.	nbotek	Anbor	K No.
"(See appended table)" refers	to a table app	ended to t	he report.				
Throughout this report a \square	comma / 🖂	point is u	ised as the	decimal s	eparator.		
Note: Before placing the produ	icts in the diffe	erent coun	tries, the ma	anufacturer	must ensure	that:	
1. Operating Instructions, Rati of the county in question.	ngs Labels an	nd Warning	gs Labels w	ritten in an <i>i</i>	Accepted or	Official La	anguage
2. The equipment complies wi	ith the Nationa	al Standard	ds and/or El	ectrical Cod	des of the co	untry in q	uestion.
3. According to the EU directive manufacturer and importer's nation its packaging or in a document.	ame and addr	ress shall b	be affixed or	n the produc	ct or, where t	hat is not	possible,
Manufacturer's Declaration p	per sub-claus	se 4.2.5 of	IECEE 02:				
The application for obtaining a includes more than one factory declaration from the Manufactus ample(s) submitted for evaluar representative of the products been provided	y location and urer stating tha ation is (are) from each fac	a at the	☐ Yes ⊠ Not ap	pplicable	Jotek Andrek	potek Anbotek Anbotel	Anbotek Anbote
ok botek Anbote	Vun	ek.	abotek	Yupo.	A. Cotek	Anb	of Circ
When differences exist; they	shall he ide	ntified in (he General	l product in	oformation s	ection	
Name and address of factor	Not No	100	b.	, vore	Mah	otek	Vuposek
Anbore And Stek	Vuporek	Pupor	Air.	ek Anb	oter An	ate ^K	nbotel
anboten Anbo	botek	Anbore	Ann	Yek	potek	Aupo.	by.
Remark:							
The EUT, class ${ m III}$ equipment i	is used for info	ormation t	echnology	equipment.			
The EUT can operate with full	load at ambie	ent temper	ature up to	40℃.			
Both models are identical, exc was chosen as representative				rwise speci	fied, the mod	del "GL57	712-EX"
Abbreviations used in the re	7/0	Ambotek	Anbore	FEK VUD.	abotek	inbotek K	Anbore
- normal conditions	N.C	toda	cek Ant	single faul	conditions	Anboten	S.F.C And
- functional insulation	OP		stek -	basic insul	ation		31× P
 double insulation between parts of opposite 	cek Dist		In Tek	supplemer	ntary insulati	on Am S	SI Lek
polarity	botek BOF	30tek	Anborek-	reinforced	insulation	rek Pr	botek RI Anbotek
Indicate used abbreviations	(if any)						



Shenzhen Anbotek Compliance Laboratory Limited Page 6 of 51 Report No.: SZAWW180830005-02S

'up	IEC 60950-1	Anbo K A Otek	Anbote.
Clause	Requirement – Test	Result - Remark	Verdict
1 Anbote	GENERAL MINDER AND	otek Anhoten Anhotek	P.∪p.c
Y VI	stek anboten Anbo ak spotek A	inbote And atek anbot	ek A
1.5	Components	Anboten Anbo tek	ote ^K P
1.5.1	General	Anbotek Anbot At	"o/b.
Anbotek	Comply with IEC 60950-1 or relevant component standard	(see appended table 1.5.1)	P _{tek}
1.5.2	Evaluation and testing of components	Jek Anbo ok An hotek	Rupo
1.5.3 Anbox	Thermal controls	No thermostat and temperature limiter used for thermal control circuit	N/A
1.5.4	Transformers	Anbotek Anbo tek	N/A
1.5.5	Interconnecting cables	anbotek Anbo.	N/A
1.5.6	Capacitors bridging insulation	ek abotek Anbote	N/A
1.5.7 ₂₀₀ tek	Resistors bridging insulation	ok hotek Anbote	₽ ₂₀
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	potek Anbotek Anbote	PAN
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	Anbotek Anbotes Ant	N/A
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable	Anboto Anbotok	N/A
1.5.8	Components in equipment for IT power systems	Not directly connected to the mains	N/A
1.5.9	Surge suppressors	spotek Anboren Anbo	N/A
1.5.9.1	General Annual A	Anbotek Anbotek Anb	N/A
1.5.9.2	Protection of VDRs	And otek Anbotek A	N/A
1.5.9.3	Bridging of functional insulation by a VDR	And Stek anbotek	N/A
1.5.9.4	Bridging of basic insulation by a VDR	Anbo tek abotek	N/A
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	Totek Anbotek Anbotel	N/A
otek ant	otek Anbotek Anbotek	And Stek Anbotek Anbr	- K
1.6	Power interface	Anho tek abotek A	P.
1.6.1	AC power distribution systems	Not directly connected to the mains	N/A
1.6.2	Input current	(see appended table 1.6.2)	N/A
1.6.3	Voltage limit of hand-held equipment	lek abotek Anbotek	N/A
1.6.4	Neutral conductor	Aupore K wotek Nupo	N/A
No Bur	notek Anbotek Anbo Ak motek	Anbotes Anb	botek
1.7.1	Power rating and identification markings	Anbotek Anbo cak	~bo'P'
1.7.1.1	Power rating marking	k anbotek Anbote	Potel
1°	An An above	b. A ster.	000



Shenzhen Anbotek Compliance Laboratory Limited Page 7 of 51 Report No.: SZAWW180830005-02S

Vek.	IEC 60950-1	Vu.	Aupo
Clause	Requirement – Test	Result - Remark	Verdic
Aupo.	Multiple mains supply connections:	tek Anbore Am	N/A
Vupos	Rated voltage(s) or voltage range(s) (V):	3.3V	P P
iek Ant	Symbol for nature of supply, for d.c. only:	-otek Aupote Aug	ote ^K P
botek	Rated frequency or rated frequency range (Hz):	nbotek Anbote An	N/A
anbotek	Rated current (mA or A):	2A Andrew	Pre
1.7.1.2	Identification markings	ek hotek Anbotek	P
Anbote	Manufacturer's name or trade-mark or identification mark:	MAXIIOT	P
ek Ant	Model identification or type reference:	See page 1	otek P
potek	Symbol for Class II equipment only:	Class III equipment	N/A
Anbotek Anbotek	Other markings and symbols:	Additional symbol or marking does not give rise to misunderstanding used.	Anbotek
1.7.1.3	Use of graphical symbols	botek Anboten Anbo	P
1.7.2	Safety instructions and marking	hotek Anbotek Ambo	vek P
1.7.2.1	General	Anbotek Anbotek Anb	P
1.7.2.2	Disconnect devices	And stek Anbotek	N/A
1.7.2.3	Overcurrent protective device	Anbotek anbotek	N/A
1.7.2.4	IT power distribution systems	Not connected to IT power distribution systems	N/A
1.7.2.5	Operator access with a tool	No such area	N/A
1.7.2.6	Ozone	No ozone	N/A
1.7.3	Short duty cycles	Continuous operation	N/A
1.7.4	Supply voltage adjustment:	No such device	N/A
Anborek	Methods and means of adjustment; reference to installation instructions:	k Anbotek Anbotek	N/A
1.7.5	Power outlets on the equipment:	No such device	N/A
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference):	No Fuse	N/A
1.7.7	Wiring terminals	No wiring terminal	N/A
1.7.7.1	Protective earthing and bonding terminals:	No such terminals	N/A
1.7.7.2	Terminals for a.c. mains supply conductors	K notek Anbotek	N/A
1.7.7.3	Terminals for d.c. mains supply conductors	No such terminals	N/A
1.7.8	Controls and indicators	upoten Aupo tek abo	N/A
1.7.8.1	Identification, location and marking:	Anbotek Anbos An	N/A
1.7.8.2	Colours:	Anbotek Anbote Ar	N/A
1.7.8.3	Symbols according to IEC 60417:	stek subote.	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 8 of 51 Report No.: SZAWW180830005-02S

,nbc ak	IEC 60950-1	Anbo K A Lotek	Anbote.
Clause	Requirement – Test	Result - Remark	Verdict
1.7.8.4	Markings using figures:	No figures markings	N/A
1.7.9	Isolation of multiple power sources:	10/2	N/A
1.7.10	Thermostats and other regulating devices	164 400	N/A
1.7.11	Durability	Rubbing test for 15 s with water then for 15 s with petroleum spirit	anbot P
1.7.12	Removable parts	ek nbotek Anbote	N/A
1.7.13	Replaceable batteries:	Lek botek Anboten	N/A
ek ab	Language(s):	both Amboth Anboth	by
1.7.14	Equipment for restricted access locations::		N/A
pore P	notek Anbotek Anbotek	Anboten Anb	nbotek
2.nboten	PROTECTION FROM HAZARDS	Amboton Ambo	, utbrok
2.1 _{Anbotok}	Protection from electric shock and energy hazards	tek Anbotek Anbot	Pool
2.1.1 Anbote	Protection in operator access areas	otek Anbotek Anbot	Р
2.1.1.1 And	Access to energized parts	Class III equipment, SELV circuit only.	otek P A
pote. A	Test by inspection:	Anboten Anbotek	N/A
Anboter	Test with test finger (Figure 2A)	Anbotek Anbo	N/A
Anbotek	Test with test pin (Figure 2B)	sk anbotek Anbot	N/A
Anbotek	Test with test probe (Figure 2C):	No TNV circuit within the equipment	N/A
2.1.1.2	Battery compartments	Anbotek Anbo tek ab	™ N/A
2.1.1.3	Access to ELV wiring	No internal wiring at ELV	N/A
Anbotek	Working voltage (Vpeak or Vrms); minimum distance through insulation (mm)	Anbotek Anbotek	Anborek
2.1.1.4	Access to hazardous voltage circuit wiring	Anbos An hotek	N/A
2.1.1.5	Energy hazards:	otek Anbore An.	N/A
2.1.1.6 Marin	Manual controls	No such control	⊮ N/A
2.1.1.7	Discharge of capacitors in equipment	abotek Anbote Anb	N/A
abotek	Measured voltage (V); time-constant (s):	Anboten A	100 TEK
2.1.1.8	Energy hazards – d.c. mains supply	K hotek Anbotek	N/A
An. notek	a) Capacitor connected to the d.c. mains supply:	K Ann otek Anbotek	N/A
Ambot	b) Internal battery connected to the d.c. mains supply	notek Anbotek Anbotek	N/A
2.1.1.9	Audio amplifiers	hotek Anbotek Anbo	N/A
2.1.2	Protection in service access areas	No services access areas	N/A
2.1.3	Protection in restricted access locations	Equipment not intended to used in restricted access	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 9 of 51 Report No.: SZAWW180830005-02S

'Up	IEC 60950	- Tren Anbo K March	Anbore
Clause	Requirement – Test	Result - Remark	Verdic
Anbore	And wotek Anbotek Anbot	And Anhoten And	otek out
Anbote	And Anbotek Anbote	locations	tek k
2.2	SELV circuits	An botek Anbotek	N/A
2.2.1	General requirements	An hotek Anbotek	N/A
2.2.2	Voltages under normal conditions (V) :	ote, Augotek Augotek	N/A
2.2.3	Voltages under fault conditions (V)	Anboter Anbo	N/A
2.2.4	Connection of SELV circuits to other circuits	- AU	N/A
Anbo	Connection of SELV circuits to other circuits	Aupotek Pupo, W.	-botes P
2.3	TNV circuits	ik upotek Pupore b	N/A
2.3.1	Limits	No TNV circuits	N/A
2.3.1	Type of TNV circuits	. INO THY Circuits	TO INA
2.3.2	Separation from other circuits and from	Ann Anbotel	N/A
2.3,2 V	accessible parts	Anbores Anb otek Anb	tek NA
2.3.2.1	General requirements	Auboren Hupo Hek	N/A
2.3.2.2	Protection by basic insulation	K Anbotek Anbot A	N/A
2.3.2.3	Protection by earthing	otek anbotek Anbote	N/A
2.3.2.4	Protection by other constructions	abotek Anbote	N/A
2.3.3	Separation from hazardous voltages	"upor Vik Photek Vupores	N/A
hotel	Insulation employed	Anboy Anbo	Vey Vupo
2.3.4	Connection of TNV circuits to other circuits	Anyotes And Lotek A.	N/A
V Dun	Insulation employed	K Anboten Anno otek	anbotek -
2.3.5	Test for operating voltages generated exteri	nally Manager Annual Res	N/A
Inpoten	Anbotek Anbotek Anbote	Lotek Anbotek Anbot	botek
2.4 nbotok	Limited current circuits	no otek anbotek Anbote	N/A
2.4.1 nbotes	General requirements	No limited current circuits	N/A
2.4.2	Limit values	Antibe Ar abotek Ar	N/A
rek Air	Frequency (Hz)	Anbor All notek	Anbotek -
or A	Measured current (mA)	tek Anbore K Anb	Alpotek_
'upoge K	Measured voltage (V)	motek Anboten Anbo	anbotek
Anboten	Measured circuit capacitance (nF or μF)	10/1	ek not
2.4.3	Connection of limited current circuits to othe circuits	er Anbotek Anbotek Anbo	N/A
P.	hotek Anbores Anb	Anbott Andrek	Anbotek
2.5	Limited power sources	tek Aupoten Aupotek	N/A
hote	a) Inherently limited output	notek Anbotek Anbo	N/A
notek	b) Impedance limited output	wotek Anborr	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 10 of 51 Report No.: SZAWW180830005-02S

'upor A	IEC 60950-1	Anbole And	abotek
Clause	Requirement – Test	Result - Remark	Verdic
- abotek	Anbot Anboten Anboten	tek botek Anbore	Ann
	c) Regulating network limited output under normal operating and single fault condition	botek Anbotek Anbotek	N/A
tek Anbo	Use of integrated circuit (IC) current limiters	abotek Anbotes Anb	N/A
botek Ar	d) Overcurrent protective device limited output	Anboten An	N/A
Anbotek	Max. Output voltage (V), max. Output current (A), max. Apparent power (VA):	(See table 2.5)	Anbote
Anbotek	Current rating of overcurrent protective device (A).:	lek Anbotek Anbotek	Anb
ok No	Use of integrated circuit (IC) current limiters	bote Am otek Anboti	N/A
V. Viv	otek Anbotek Anbed ok hotek	Anbotek Anbo	otek
2.6	Provisions for earthing and bonding	Anbotel Anbo tek	N/A
2.6.1	Protective earthing	Class III equipment	N/A
2.6.2	Functional earthing	sk anbotek Anbots	N/A
Anbotek	Use of symbol for functional earthing	potek Anbotek Anbote	N/A
2.6.3	Protective earthing and protective bonding conductors	Anbotek Anbotek Anb	N/A
2.6.3.1	General	Anbotek nbotek	N/A
2.6.3.2	Size of protective earthing conductors	Anbo tek abotek	N/A
Anbotek	Rated current (A), cross-sectional area (mm²), AWG:	otek Anbotek Anbotek	Aribo
2.6.3.3	Size of protective bonding conductors	stek abotek Anbote	N/A
otek Ant	Rated current (A), cross-sectional area (mm²), AWG:	Anbotek Anbotek Anb	, botek
Anbotek	Protective current rating (A), cross-sectional area (mm²), AWG:	Anbotek Anbotek	Anbotek
2.6.3.4	Resistance of earthing conductors and their terminations; resistance (Ω), voltage drop (V), test current (A), duration (min):	otek Anbotek Anbotek	N/A
2.6.3.5	Colour of insulation:	Imporen Auportek Aupor	N/A
2.6.4	Terminals	Aupotes, Vupo, Vibo	N/A
2.6.4.1	General	Anbotek Anbox A	N/A
2.6.4.2	Protective earthing and bonding terminals	K Anbotek Anbote	N/A
Anbotek	Rated current (A), type, nominal thread diameter (mm):	otek Anbotek Anbotek	An
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	hbotek Anbotek Anbo	o ^k N/A
2.6.5	Integrity of protective earthing	Anbos kek abotek Ar	N/A
2.6.5.1	Interconnection of equipment	Anbox Austek	N/A
2.6.5.2	Components in protective earthing conductors	Aupor Aug	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 11 of 51 Report No.: SZAWW180830005-02S

Notek	IEC 60950-1	Ar. nboter	Anbe
Clause	Requirement – Test	Result - Remark	Verdic
Aupor	and protective bonding conductors	octek Anhore Ann abotek	Anb
2.6.5.3	Disconnection of protective earth	Arbotek Anbot Air	N/A
2.6.5.4	Parts that can be removed by an operator	Anbotek Anbore An	N/A
2.6.5.5	Parts removed during servicing	Anbotek Anbote An	N/A
2.6.5.6	Corrosion resistance	K nbotek Anbotek	N/A
2.6.5.7	Screws for protective bonding	ek abotek Anboten	N/A
2.6.5.8	Reliance on telecommunication network or cable distribution system	photek Anbotek Anbotek	N/A
ek Aup	ok hotek Anbotes Anbo	abotek Anbote An	otek
2.7	Overcurrent and earth fault protection in primary	circuits	N/A
2.7.1	Basic requirements	Class III equipment	N/A
Anbotek	Instructions when protection relies on building installation	rek Anbotek Anbotek	N/A
2.7.2 M	Faults not simulated in 5.3.7	potek Anboten Anbe	N/A
2.7.3 Amb ^c	Short-circuit backup protection	hotek Anbotek Anbo	N/A
2.7.4	Number and location of protective devices	And Anbotek Ant	N/A
2.7.5	Protection by several devices	And otek Anbotek	N/A
2.7.6	Warning to service personnel	Anb stek anbotek	N/A
Arra	Anbotek Anbot Ak hotek Anbo	Anbo tek abotek	Anbo
2.8	Safety interlocks	abotek Anbo tek abote	N/A
2.8.1	General principles	No safety interlocks	N/A
2.8.2	Protection requirements	Anbotek Anbote Ans	N/A
2.8.3	Inadvertent reactivation	abotek Anbote K	N/A
2.8.4	Fail-safe operation	ok botek Anboten	N/A
A botek	Protection against extreme hazard	ok hotek Anbotek	N/A
2.8.5	Moving parts	it be Anbotek Anbotek	N/A
2.8.6	Overriding	Inbote K Anb Lotek Anbro	N/A
2.8.7	Switches and relays and their related circuits	Anboten Ann Stek	N/A
2.8.7.1	Separation distances for contact gaps and their related circuits (mm):	Anbotek Anbotek	N/A
2.8.7.2	Overload test	ok notek Anbotek	N/A
2.8.7.3	Endurance test	by Anbotek Anbotek	N/A
2.8.7.4	Electric strength test	Anbote K Ano otek Anbo	N/A
2.8.8	Mechanical actuators	Anboten Anh	N/A
LO. 1	The Mole Man	Alph Alph	-V-



Shenzhen Anbotek Compliance Laboratory Limited Page 12 of 51 Report No.: SZAWW180830005-02S

'upo ok	IEC 60950-1	Aupote
Clause	Requirement – Test Result - Remark	Verdic
2.9.1	Properties of insulating materials	N/A
2.9.2	Humidity conditioning	N/A
Tok Aup	Relative humidity (%), temperature (°C)	wotek -
2.9.3	Grade of insulation	N/A
2.9.4	Separation from hazardous voltages	N/A
A. abotek	Method(s) used	Pup.
Al. botel	Anboten Anboten Anboten Anboten Anboten	Vupe
2.10	Clearances, creepage distances and distances through insulation	N/A
2.10.1	General	N/A
2.10.1.1	Frequency	N/A
2.10.1.2	Pollution degrees	N/A
2.10.1.3	Reduced values for functional insualtion	N/A
2.10.1.4	Intervening unconnected conductive parts	N/A
2.10.1.5	Insulation with varying dimensions	N/A
2.10.1.6	Special separation requirements	N/A
2.10.1.7	Insulation in circuits generating starting pulses	N/A
2.10.2	Determination of working voltage	N/A
2.10.2.1	General	N/A
2.10.2.2	RMS working voltage	N/A
2.10.2.3	Peak working voltage	N/A
2.10.3	Clearances	N/A
2.10.3.1	General	N/A
2.10.3.2	Mains transient voltages	N/A
Motek	a) AC mains supply······:	N/A
x par	b) Earthed d.c. mains supplies ······:	N/A
K Muss	c) Unearthed d.c. mains supplies ······:	N/A
oter Pu	d) Battery operation ······	N/A
2.10.3.3	Clearances in primary circuits	N/A
2.10.3.4	Clearances in secondary circuits	N/A
2.10.3.5	Clearances in circuits having starting pulses	N/A
2.10.3.6	Transients from a.c. mains supply	N/A
2.10.3.7	Transients from d.c. mains supply:	N/A
2.10.3.8	Transients from telecommunication networks and cable distribution systems	N/A
2.10.3.9	Measurement of transient voltage levels	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 13 of 51 Report No.: SZAWW180830005-02S

Anbe	IEC 60950-1	Anbo K A Arek	Anbore.
Clause	Requirement – Test	Result - Remark	Verdict
Pupote	To Tomos A Company of the Company of	rek Anboten Anbo	100
Anboter	a) Transients from a mains suplply	notek Anbotek Anbo	N/A
tek Anbo	For an a.c. mains supply	Vin Viek Vipotek Vipo,	N/A
· otek	For a d.c. mains supply	Anbo stek anbotek An	N/A
up.	b) Transients from a telecommunication network.:	Anbo Air nbotek	N/A
2.10.4	Creepage distances	Anbor An botek	N/A
2.10.4.1	General	lek Auporg August	N/A
2.10.4.2	Material group and caomparative tracking index	potek Anbotes Ann	N/A
tek Anbo	CTI tests	botek Anbotek Anbo	
2.10.4.3	Minimum creepage distances	And Antek Anbotek Ant	N/A
2.10.5	Solid insulation	And tek abotek	N/A
2.10.5.1	General	Anbo sek shotek	N/A
2.10.5.2	Distances through insulation	lek Aupor All hotek	N/A
2.10.5.3	Insulating compound as solid insulation	potek Anbore Ans	N/A
2.10.5.4	Semiconductor devices	botek Anbote Anb	N/A
2.10.5.5	Cemented joints	hotek Anbote, Ant	N/A
2.10.5.6	Thin sheet material	Anbotek Anbotek	N/A
2.10.5.7	Separable thin sheet material	Ann otek Anbotek	N/A
And	Number of layers (pcs):	Anbo stek anbotek	Popoo
2.10.5.8	Non-separable thin sheet material	Noter Andorsek Shote	N/A
2.10.5.9	Thin sheet material – standard test procedure	Anbotek Anbot An	N/A
potek Ani	Electric strength test	anbotek Anbote Anti-	notek_
2.10.5.10	Thin sheet material – alternative test procedure	abotek Anbote	N/A
abotek	Electric strength test	k botek Anboten	And - ofe
2.10.5.11	Insulation in wound components	ok hotek Anbotek	N/A
2.10.5.12	Wire in wound components	ote Anbotek Anbote	N/A
but h	Working voltage:	Anbote And Anbotek Anbre	N/A
Oce. Nur	a) Basic insulation not under stress:	Anboten Anbotek	N/A
Aupoten	b) Basic, supplemetary, reinforced insulation:	Anboten Anbo A	N/A
Anbotek	c) Compliance with Annex U	Anbotek Anbotek	N/A
k Anbote	Two wires in contact inside wound component; angle between 45° and 90°	hbotek Anbotek Anbotek	N/A
2.10.5.13	Wire with solvent-based enamel in wound components	Anbotek Anbotek Ar	N/A
botek	Electric strength test	hotek Anboten	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 14 of 51 Report No.: SZAWW180830005-02S

Ziek	IEC 60950-1	Ant	Aupor
Clause	Requirement – Test	Result - Remark	Verdict
Pupor,	Routine test	dek Aupore Aur	N/A
2.10.5.14	Additional insulation in wound components	Apolek Anbole And	N/A
tek Aupo	Working voltage	abotek Anbotek Anb	N/A
bolek A	- Basic insulation not under stress	Andotek Andotek And	N/A
abotek	- Supplemetary, reinforced insulation	An Anbotek	N/A
2.10.6	Construction of printed boards	ok hotek Anbotek	N/A
2.10.6.1	Uncoated printed boards	k hotek Anbotek	N/A
2.10.6.2	Coated printed boards	poter And otek Anborr	N/A
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	Anbotek Anbotek Anh	N/A
2.10.6.4	Insulation between conductors on different layers of a printed board	Anbotek Anbotek	N/A
Ann	Distance through insulation	Aupo tek upotek	N/A
Anbo	Number of insulation layers (pcs)	botek Anbor Ak bote	N/A
2.10.7	Component external terminations	Anbotek Anbote An	N/A
2.10.8	Tests on coated printed boards and coated components	Anbotek Anbotek An	N/A
2.10.8.1	Sample preparation and preliminary inspection	Anbo. Lek abotek	N/A
2.10.8.2	Thermal conditioning	anbou All hotek	N/A
2.10.8.3	Electric strength test	Notek Anbott An hotel	N/A
2.10.8.4	Abrasion resistance test	abotek Anbote K Ant	N/A
2.10.9	Thermal cycling	abotek Anbote And	N/A
2.10.10	Test for Pollution Degree 1 environment and insulating compound	Anbotek Anbotek A	N/A
2.10.11	Tests for semiconductor devices and cemented joints	ek Anbotek Anbotek	N/A
2.10.12	Enclosed and sealed parts	ot Anbotek Anboter	N/A
ek ab	otek Anbotes And otek Anbotek	Anbore Am. Hotek Anbo	ter
3	WIRING, CONNECTIONS AND SUPPLY	Anbote And And	ipotek P
3.1	General	Anbote, Anbotek	• upoP ^k
3.1.1	Current rating and overcurrent protection	Anbotek Anbo	Pote
3.1.2 nboten	Protection against mechanical damage	stek Anbotek Anbot	Р
3.1.3 _{Mb} ote	Securing of internal wiring	atek anbotek Anbote	P P
3.1.4	Insulation of conductors	hobe tek abotek Anbo	Р
3.1.5	Beads and ceramic insulators	Anbor An notek Ar	N/A
3.1.6	Screws for electrical contact pressure	No screws are used as electrical connections	N/A
100.70		· · · · · · · · · · · · · · · · · · ·	to M



Shenzhen Anbotek Compliance Laboratory Limited Page 15 of 51 Report No.: SZAWW180830005-02S

'Upparak	IEC 60950-1	Anbo K K Otek	Anbore
Clause	Requirement – Test	Result - Remark	Verdict
3.1.7	Insulating materials in electrical connections	No such materials	N/A
3.1.8	Self-tapping and spaced thread screws	No such screws	N/A
3.1.9	Termination of conductors	140 Such Sciews	N/A
bolek	10 N pull test	hotek Anbotek An	N/A
3.1.10	Sleeving on wiring	And hotek Anbotek	N/A
An hotek	Anno Anno Anno	ke. And Lotek Anbotek	VIIDOR
3.2	Connection to a mains supply	iboter Anbotek	N/A
3.2.1	Means of connection	Arborek About tek abot	N/A
3.2.1.1	Connection to an a.c. mains supply	Anbotek Anbor An	N/A
3.2.1.2	Connection to a d.c. mains supply	Vupotek Vupore Vu	N/A
3.2.2	Multiple supply connections	ek upotek Aupote	N/A
3.2.3	Permanently connected equipment	tek abotek Anbotek	N/A
Anbore	Number of conductors, diameter of cable and conduits (mm)	hoo All Anbotek Anbotek	k - Pu
3.2.4	Appliance inlets	anbotek Ankor An	N/A
3.2.5	Power supply cords	Anborek Anbore An	N/A
3.2.5.1	AC power supply cords	ek Anbotek Anbote	N/A
Anbotek	Type	Tek hotek Anbete	PUL PO
Anbote	Rated current (A), cross-sectional area (mm²), AWG	motek Anbotek Anbotek	k And
3.2.5.2	DC power supply cords	Inbotek Anbors An	N/A
3.2.6	Cord anchorages and strain relief	anbotek Anbore And	N/A
nbotek	Mass of equipment (kg), pull (N)	W abotek Anbote	No Lok
nbotek	Longitudinal displacement (mm)	wek abotek Anboto	VIII.
3.2.7	Protection against mechanical damage	Jour Annotek Anhotek	N/A
3.2.8	Cord guards	Antore And Motek Anbore	N/A
otek A	Diameter or minor dimension D (mm); test mass (g)	nbotek Anbotek Anb	olek
abotek	Radius of curvature of cord (mm)	K botek Anboten A	Was Jak
3.2.9	Supply wiring space	Anbotek Anbotek	N/A
hotek	Anbote" And	or Am notek anbotek	Aupon
3.3	Wiring terminals for connection of external cond	uctors	N/A
3.3.1	Wiring terminals	No such wiring terminals	N/A
3.3.2	Connection of non-detachable power supply cords	Anbotek Anbotek An	N/A
3.3.3	Screw terminals	Anb. ok botek	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 16 of 51 Report No.: SZAWW180830005-02S

711.	IEC 60950-1	Ann Lak Sotek	Aupor
Clause	Requirement – Test	Result - Remark	Verdict
3.3.4	Conductor sizes to be connected	dek Anboro Alla	N/A
stek An	Rated current (A), cord/cable type, cross-sectional area (mm²)	hotek Anbotek Anbot	P.
3.3.5	Wiring terminal sizes	And Sotek Anboten An	N/A
Anbotek	Rated current (A), type, nominal thread diameter (mm)	Anbotek Anbotek	Anbotek
3.3.6	Wiring terminal design	stek Anbotes Anb	N/A
3.3.7 pro ⁰⁰	Grouping of wiring terminals	hotek Anbotek Anbo	N/A
3.3.8	Stranded wire	otek Anbotek Anbot	N/A
otek	Anbotek Anbotek Anbotek	And stek anbotek Ant	-K
3.4	Disconnection from the mains supply	Ando tek abotek	N/A
3.4.1	General requirement	Class III equipment	N/A
3.4.2	Disconnect devices	tek Anbore K Ans Notek	N/A
3.4.3	Permanently connected equipment	No such equipment	N/A
3.4.4	Parts which remain energized	botek Anbotek Anbo	N/A
3.4.5	Switches in flexible cords	No switch used	N/A
3.4.6	Number of poles – single-phase and d.c. equipment	Anbotek Anbotek	N/A
3.4.7	Number of poles – three-phase equipment	tek Anbore Anborek	N/A
3.4.8	Switches as disconnect devices	Motek Anbotek Anbo	N/A
3.4.9	Plugs as disconnect devices	hotek Anbotek Anbo	N/A
3.4.10	Interconnected equipment	No such equipment	N/A
3.4.11	Multiple power sources	Ambo stek anbotek A	N/A
Anna	Anbotek Anbotek Anbotek Anbotek	And tek abotek	Anbore
3.5	Interconnection of equipment	ek Anbos An botek	Post
3.5.1	General requirements	botek Anbote Ans hotel	PAnt
3.5.2	Types of interconnection circuits	Connect to SELV circuits	tek P
3.5.3	ELV circuits as interconnection circuits	No ELV circuit	N/A
3.5.4	Data ports for additional equipment	hotek Anbotek A	N/A
hotek	Anbotes Anbotes Anbotes Anbotes	K sotek Anbotek	Aupo
4 And notek	PHYSICAL REQUIREMENTS	And otek Anbotek	P.Poor
4.1	Stability	poter Anbotek anbotek	N/A
Anbo	Angle of 10°	<7Kg	[™] N/A
oter A	Test force (N)	Anbotek Anbou An	N/A
4.2	Mechanical strength	anbotek Anbote A	P.
4.2.1	General	w hotek Anbote	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 17 of 51 Report No.: SZAWW180830005-02S

'upo k	IEC 60950-1	Anbo. Ar notek	Anbote
Clause	Requirement – Test	Result - Remark	Verdict
Pupole,	August Aupor August Aug	tek abotek Anbo	Par.
4.2.2	Steady force test, 10 N	ok notek Anbote	N/A
4.2.3	Steady force test, 30 N	bote And otek Anbot	N/A
4.2.4	Steady force test, 250 N	Anboten Anbo tek	N/A
4.2.5	Impact test	upotek Anbo Ak	N/A
Anbotek	Fall test	Anbotek Anbote	N/A
nbotek	Swing test	ek nbotek Anbote	N/A
4.2.6	Drop test; height (mm)	1000m, 3 times	Pun
4.2.7	Stress relief test	both Ambotek Anbote	N/A
4.2.8	Cathode ray tubes	Anbote K Ant	N/A
Polo. V.	Picture tube separately certified:	Anbotes Anbotek	N/A
4.2.9	High pressure lamps	No high pressure lamps in the equipment.	N/A
4.2.10	Wall or ceiling mounted equipment; force (N):	Not intended to be mounted on a wall or ceiling.	N/A
4.2.11	Rotating solid media	hotek Anbotek Anbo	N/A
otek on	Test to cover on the door:	And tek abotek And	N/A

WO.	KE, 20	- O'	100
4.3	Design and construction	And stek abotek	Anbaro
4.3.1	Edges and corners	The outer surface of the equipment is smooth	Poote
4.3.2	Handles and manual controls; force (N)	otek Anbotek Anbote	N/A
4.3.3	Adjustable controls	No adjustable controls	N/A
4.3.4	Securing of parts	Anbox Anbotek A	upoter P
4.3.5	Connection by plugs and sockets	Anbote K Ann Sofek	N/A
4.3.6	Direct plug-in equipment	k Anbore And Stek	N/A
Anbore	Torque	otek Anbotek Anbe	- nbo
ak Anbote	Compliance with the relevant mains plug standard	Inbotek Anbotek Anbo	N/A
4.3.7	Heating elements in earthed equipment	No such elements	N/A
4.3.8	Batteries	Anbotek Anbo tek	N/A
Anbotek	- Overcharging of a rechargeable battery	k Anbotek Anbote	N/A
Anbotek	- Unintentional charging of a non-rechargeable battery	otek Anbotek Anbotek	N/A
And	- Reverse charging of a rechargeable battery	upotek Aupo tek abo	[∞] N/A _▶ ∞
otek Anb	- Excessive discharging rate for any battery	anbotek Anbote Am	N/A
4.3.9	Oil and grease	No oil and grease	N/A
4.3.10	Dust, powders, liquids and gases	No dust, powders, liquids and gases	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 18 of 51 Report No.: SZAWW180830005-02S

'Un	IEC 60950-1	Anb K motek	Anbore
Clause	Requirement – Test	Result - Remark	Verdic
4.3.11	Containers for liquids or gases	No such containers	N/A
4.3.12	Flammable liquids:	No flammable liquid	N/A
tok Aup.	Quantity of liquid (I):	nbotek Anbole Anu	N/A
ipotek P	Flash point (°C)	Anbotek Anboter An	N/A
4.3.13	Radiation	Anbotek Anbotek	N/A
4.3.13.1	General	ck hotek Anbotek	N/A
4.3.13.2	Ionizing radiation	No ionizing radiation	N/A
ek abo	Measured radiation (pA/kg):	poter And otek Anbor	_ P
K YUR	Measured high-voltage (kV):	Anboten Anbo stek and	ote*
poter A	Measured focus voltage (kV):	76.	abotek
Anboten	CRT markings:	Anbotok Anbot	VI.
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	N/A
Anbotek	Part, property, retention after test, flammability classification	potek Anbotek Anbote	N/A
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	Aupotek Vupo, Vi	N/A
4.3.13.5	Lasers (including laser diodes) and LEDs	Anbotek Anbote An	N/A
4.3.13.5.1	Lasers (including laser laser diodes)	anbotek Anbote	N/A
Anbotek	Laser class:	Class I	BUD.
4.3.13.5.2	Light emitting diodes (LEDs)	ek Anbotek Anboten	Pupo
4.3.13.6	Other types:	ore Ann notek Anbore	N/A
V.	hotek Anbotek Anbotek	Anbotts K Anb	otek
4.4	Protection against hazardous moving parts	Anbore. Ann otek	N/A
4.4.1	General	Anbotek Anbo	N/A
4.4.2	Protection in operator access areas:	ek Anbotek Anbotek	N/A
Anbotek	Household and home/office document/media shredders	(see Annex EE)	N/A
4.4.3	Protection in restricted access locations:	Anbotes Anbo tek nor	N/A
1.4.4	Protection in service access areas	Anbotek Anbo	N/A
4.4.5	Protection against moving fan blades	Anbotek Anbot A	N/A
1.4.5.1	General	k nbotek Anbote	N/A
nbotek	Not considered to cause pain or injury. a):	tek abotek Anbote	N/A
c abote	Is considered to cause pain, not injury. b):	tek abotek Anboten	N/A
rok k	Considered to cause injury. c):	hbor An hotek Anbo	N/A
4.4.5.2	Protection for users	Anbote, Ann	N/A
upote.	Use of symbol or warning:	Anboren Anbo stek	N/A
4.4.5.3	Protection for service persons	Anborek Anbor	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 19 of 51 Report No.: SZAWW180830005-02S

Clause	Requirement – Test	Result - Remark	Verdic
Jiause	Requirement – Test	Result - Remark	veruic
Anv	Use of symbol or warning:	ten Anba otek Anbotek	N/A
Y Pup	tek Vupotek Vupor VIII Potek V	nboten Anbo	ek P
1.5	Thermal requirements	Anbotek Anbotek	ote ^K P
1.5.1	General Andrew	Anbotek Anbors An	, notP
1.5.2	Temperature tests	Anbotek Anbote	Pre
anbotek	Normal load condition per Annex L:	ek abotek Anbote	bu _p
1.5.3	Temperature limits for materials	(see appended table 4.5)	P
1.5.4	Touch temperature limits	(see appended table 4.5)	P
l.5.5	Resistance to abnormal heat:	(see appended table 4.5.5)	N/A
Dofe, M	Totek Anbotek Anbot All botek	Anboten Anbo	nbotek
1.6	Openings in enclosures	Anbotek Anbo	N/A
l.6.1	Top and side openings	ek Anbotek Anbote	N/A
anbotek	Dimensions (mm):	stek shotek Anbote	r bur
1.6.2	Bottoms of fire enclosures	botek Anbote	N/A
rek v	Construction of the bottomm, dimensions (mm):	Anbor And hotek Anb	OTON
.6.3	Doors or covers in fire enclosures	Anbote And sotek	N/A
1.6.4	Openings in transportable equipment	Anbote And And	N/A
1.6.4.1	Constructional design measures	ek Aupoten Aupo	N/A
Anboren	Dimensions (mm):	otek Anbotek Anbot	
1.6.4.2 NOON	Evaluation measures for larger openings	otek Anbotek Anbote	N/A
1.6.4.3	Use of metallized parts	Anbotek Anb	N/A
1.6.5	Adhesives for constructional purposes	Anbos An botek A	N/A
'upor	Conditioning temperature (°C), time (weeks):	Anboto An Motek	Anboten
Anbore	Anbotek Anbotek Anbo tek abot	Anbote Ann otek	Anbo
1.7 Anbore	Resistance to fire	ootek Anbote Anb	Р
7.1 Anbott	Reducing the risk of ignition and spread of flame	hotek Anbotek Anbo	e P
otek Ant	Method 1, selection and application of components wiring and materials	(see appended table 4.7)	,botekP
hotek	Method 2, application of all of simulated fault condition tests	Anbotek Anbotek	N/A
.7.2	Conditions for a fire enclosure	Ans stek anbotek	N/A
.7.2.1	Parts requiring a fire enclosure	oten Anbotek	N/A
.7.2.2	Parts not requiring a fire enclosure	nbotek Anbox An	[™] N/A
.7.3	Materials	anbotek Anbote Anb	noteK-
.7.3.1	General	PCB:V-0	. Pk
1.7.3.2	Materials for fire enclosures	(see appended table 1.5.1)	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 20 of 51 Report No.: SZAWW180830005-02S

'upo ok	IEC 60950-1	Anbox An An	Anboten
Clause	Requirement – Test	Result - Remark	Verdict
- upoten	Aupote Aupote Auro	rek -botek Anbas	P2.
4.7.3.3	Materials for components and other parts outside fire enclosures	botek Anbotek Anbotek	N/A
4.7.3.4	Materials for components and other parts inside fire enclosures	(see appended table 1.5.1)	N/A
4.7.3.5	Materials for air filter assemblies	No air filter assemblies.	N/A
4.7.3.6	Materials used in high-voltage components	No high-voltage components	N/A

5 Anbote	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS	P
5.1 Anb	Touch current and protective conductor current	N/A
5.1.1	General Annual A	N/A
5.1.2	Configuration of equipment under test (EUT)	N/A
5.1.2.1	Single connection to an a.c. mains supply	N/A
5.1.2.2	Redundant multiple connections to an a.c. mains supply	N/A
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	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
rk not	Supply voltage (V)	Aul
Y Ann	Measured touch current (mA):	otek
Jose An	Max. Allowed touch current (mA):	abotek_
Anboten	Measured protective conductor current (mA):	-POISK
Anbotek	Max. Allowed protective conductor current (mA):	Mr.
5.1.7 motel	Equipment with touch current exceeding 3,5 mA	N/A
5.1.7.1	General:	N/A
5.1.7.2	Simultaneous multiple connections to the supply	N/A
5.1.8	Touch currents to telecommunication networks and cable distribution systems and from telecommunication networks	N/A
5.1.8.1	Limitation of the touch current to a telecommunication network or to a cable distribution system	N/A
Aupor	Supply voltage (V)	lek p
otek Ant	Measured touch current (mA):	notek-
nbotek	Max. Allowed touch current (mA):	Crek
5.1.8.2	Summation of touch currents from telecommunication networks	N/A



6.2.1

Separation requirements

Shenzhen Anbotek Compliance Laboratory Limited Page 21 of 51 Report No.: SZAWW180830005-02S

a. notek	IEC 60950-1	N = Notek Vupor	VII.
Clause	Requirement – Test	Result - Remark	Verdict
Ando	a) EUT with earthed telecommunication ports	upotek Aupotek Andotek	N/A
itek Ant	b) EUT whose telecommunication ports have no reference to protective earth	Anbotek Anbotek Anbot	N/A
5.2	Anbote And Holek Anbotek Anbote	Anbotek Anboten An	N/A
5.2.1	Electric strength	All botek Ambotek	71,
Net	General	re Ann Solek Anbolek	N/A
5.2.2	Test procedure	boles Anb stek shotek	N/A
Anba	Tek npotek Anbott Ant Kaptek	Anbotek Anbo A.	3K PK
5.3 Ant	Abnormal operating and fault conditions	abotek Anbote Ant	ntek P
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	nbotek
5.3.2	Motors	(see appended Annex B)	N/A
5.3.3	Transformers	otek Anbotek Anbot	N/A
5.3.4	Functional insulation	: By Short circuit	Р
5.3.5	Electromechanical components	Anbotek Anbotek	PAT
5.3.6	Audio amplifiers in ITE	Anbore Ans notek Ant	N/A
5.3.7	Simulation of faults	Anbote Anb atek	nbotek P
5.3.8	Unattended equipment	ek Anboton Anbo	N/A
5.3.9	Compliance criteria for abnormal operating and fault conditions	potek Anbotek Anbotek	Phot
5.3.9.1	During the tests	Anboten Anno otek Anbote	PAN
5.3.9.2	After the tests	Aupoten Aupo	o ^{tek} P
oten A	was tek abotek Aupotes Kun Otek	Vuporek Vupo, VV	botek
6 _{nbotek}	CONNECTION TO TELECOMMUNICATION NE	ETWORKS	N/A
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment	Ootek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
6.1.1	Protection from hazardous voltages	Anboton Anbotok Anb	N/A
6.1.2	Separation of the telecommunication network from earth	Aupotek Aupotek A	N/A
6.1.2.1	Requirements	Not connect to telecommunication networks	N/A
Anboten	Supply voltage (V)	botek Anbotek Anbo	~/0
k Anbo	Current in the test circuit (mA)	otek Anbotek Anbore	Pur
6.1.2.2	Exclusions	Ambotek Anbo	N/A
	10° AV	0,5	

N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 22 of 51 Report No.: SZAWW180830005-02S

	IEC 60950	batter Anbo K A. Otek	
Clause	Requirement – Test	Result - Remark	Verdict
6.2.2	Electric strength test procedure	Anbotek Ambot Am	N/A
6.2.2.1	Impulse test	Motek Anbor An	N/A
6.2.2.2	Steady-state test	ek anbotek Anbote	N/A
6.2.2.3	Compliance criteria	rek abotek Anbote.	N/A
6.3 o ^{tek}	Protection of the telecommunication wiring	system from overheating	N/A
Al. botek	Max. Output current (A)	Anbore Anbore	V.V.
An-	Current limiting method	NO. NO.	otek Anbe
Kanp	otek Anbotek Anbotek	Anbotok Anbo	abotek A
7 An	CONNECTION TO CABLE DISTRIBUTION	SYSTEMS	N/A
7.1 Total	General	Not connect to cable distribution system	N/A
7.2 Anbotek	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment	Ce otek Anbotek Anbotek Anbotek	N/A
7.3 Ant	Protection of equipment users from overvol on the cable distribution system	tages house known house	N/A
7.4	Insulation between primary circuits and cab distribution systems	le Anbotek Anbotek	N/A
7.4.1	General	upo k Anbotek Anbote	N/A
7.4.2	Voltage surge test	Anbo, Ar. Potek Aupo	N/A
7.4.3	Impulse test	Ambore Amb	N/A
Y Ans	notek Anbotek Anbo ak bote	K Anbote, And Stek	nbotek
A	ANNEX A, TESTS FOR RESISTANCE TO	HEAT AND FIRE	N/A
A.10tek	Flammability test for fire enclosures of move equipment having a total mass exceeding 1 and of stationary equipment (see 4.7.3.2)		N/A
A.1.1	Samples	And otek Anbotek Anbo	- A
ik vup.	Wall thickness (mm)	An tek nbotek Ar	Pu V
A.1.2	Conditioning of samples; temperature (°C)	Inbo tek abotek	N/A
A.1.3	Mounting of samples	tek : Anbout An hotek	N/A
A.1.4	Test flame (see IEC 60695-11-3)	abotek Anbote An otek	N/A
Anbore	Flame A, B, C or D	Anbote Anbo	ek aboti
A.1.5	Test procedure	An Anbotek Anbo	N/A
A.1.6	Compliance criteria	An atek anbotek An	N/A
otek	Sample 1 burning time (s)	plant abotek	Anbo.
Lek F	Sample 2 burning time (s)	tek Anbo Ak hotek	Anbotet
	Sample 3 burning time (s)	notek Anbor An	nbotek.



Shenzhen Anbotek Compliance Laboratory Limited Page 23 of 51 Report No.: SZAWW180830005-02S

YUL OK	IEC 60950-1	Anbe	Anbore
Clause	Requirement – Test	Result - Remark	Verdic
A.2	Flammability test for fire enclosures of movable en not exceeding 18 kg, and for material and compo enclosures (see 4.7.3.2 and 4.7.3.4)		N/A
A.2.1	Samples, material	Anboten Anbotek An	ootek
upoter P	Wall thickness (mm)	-0-	abotek
A.2.2	Conditioning of samples; temperature (°C)	- AND -	N/A
A.2.3	Mounting of samples	· · · · // // // // // // // // // // //	N/A
A.2.4	Test flame (see IEC 60695-11-4)	tek abotek Anbote	N/A
rek voc	Flame A, B or C	Arbot Anbot	P
A.2.5	Test procedure	Anbore K And Lotek Ant	N/A
A.2.6	Compliance criteria	Anboten Anbo	N/A
Anboton	Sample 1 burning time (s)	k Anbotek Anbo	abotel
Anbotek	Sample 2 burning time (s)	itek Anbotek Anbotek	NC
anbotek	Sample 3 burning time (s)	tek abotek Anbote	N Pur
A.2.7	Alternative test acc. To IEC 60695-11-5, cl. 5 and 9	70	N/A
botek Ar	Sample 1 burning time (s)	nbotek Anbote An	wotek.
nbotek	Sample 2 burning time (s)	* Potek Anboton	inp.
botek	Sample 3 burning time (s)		Anbo.
A.3	Hot flaming oil test (see 4.6.2)	Ant Otek Anbotek	N/A
A.3.1	Mounting of samples	nbotes Anb tek nbotes	N/A
A.3.2	Test procedure	Anbotek Anbo tek	™ N/A
A.3.3	Compliance criterion	anbotek Anbote An	N/A
nbotek	Anbor An otek Anboten Anbo	botek Anbote A	ntek ntek
B Anbotek	ANNEX B, MOTOR TESTS UNDER ABNORMAL 5.3.2)	CONDITIONS (see 4.7.2.2 and	N/A
B.1 Anbor	General requirements	abotek Anbote And otel	N/A
Anbor	Position	: Inside enclosure	rek -
otek Anl	Manufacturer	: (see appended table 1.5.1)	-ak
otek	Type	: (see appended table 1.5.1)	Aport
Anb. tek	Rated values	: (see appended table 1.5.1)	Anbote
B.2	Test conditions	tek Anbor An notek	N/A
B.3 Anbott	Maximum temperatures	botek Anboro Anto	N/A
B.4 Anbott	Running overload test	hotek Anbote Anbo	N/A
B.5	Locked-rotor overload test	Anbotek Anbotek Anbo	N/A
ntek .	Test duration (days)	And tek abotek Ar	por
AND	Electric strength test: test voltage (V)	Anbo	Vupoje.



Shenzhen Anbotek Compliance Laboratory Limited Page 24 of 51 Report No.: SZAWW180830005-02S

ozek.	IEC 60950-1	tel nool	VIII
Clause	Requirement – Test	Result - Remark	Verdict
B.6	Running overload test for d.c. motors in secondary circuits	hotek Anbotek Anbotek	N/A
B.6.1	General	notek Anbotek Anbo	N/A
B.6.2	Test procedure	And stek anbotek And	N/A
B.6.3	Alternative test procedure	Anbo rek abotek	N/A
B.6.4	Electric strength test; test voltage (V):	Anbor All hotek	N/A
B.7 Millionek	Locked-rotor overload test for d.c. motors in secondary circuits	iek Anbotek Anbotek	N/A
B.7.1	General Art Annual Art	bot An botek Anbote	N/A
B.7.2	Test procedure	Anbotte Ant Botek Ant	N/A
B.7.3	Alternative test procedure	Anboten And	N/A
B.7.4	Electric strength test; test voltage (V):	Anbotes Anbo	N/A
B.8 nboten	Test for motors with capacitors	(see appended table 5.3)	N/A
B.9 Mbotek	Test for three-phase motors	(see appended table 5.3)	N/A
B.10	Test for series motors	bor West Photos	N/A
ok p	Operating voltage (V):	Anbore K Anb	oter
Por Vi	Lotek Anboret Anbe ak botek	Anbore Am	nbotek
Cupoten	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3	3) Anbotes Anb	N/A
Anbotes	Position	sk upotek Aupo	- hol
Anbotek	Manufacturer	tek abotek Anbote	b.u.
ek abote	Type	los Anbotek Anbote	_ Pu
rok -k	Rated values	Yupoge W Wolek Wupe	
Dog No.	Method of protection	Anbota And Otek	hotek-
C.1	Overload test	Anbotes Anbe	N/A
C.2 doler	Insulation	k Anbotek Anbo	N/A
nbotek	Protection from displacement of windings:	tek abotek Anbote	N/A
ak abote	Anbore Ann otek Anboren Ant	Joe Anborek Anbore	VI.
D Jotek Anb	ANNEX D, MEASURING INSTRUMENTS FOR TO (see 5.1.4)	DUCH-CURRENT TESTS	N/A
D.1	Measuring instrument	hotek Anboten Ar	N/A
D.2 John	Alternative measuring instrument	k notek anbotek	N/A
Ann	Anbotek Anbote Anbote	And stek abotek	Anbou
E Anbo	ANNEX E, TEMPERATURE RISE OF A WINDING	G (see 1.4.13)	N/A
Aupore	ak hotek Anboten Anbo	abotek Anbore And	ek
Eigh Aup	ANNEX F, MEASUREMENT OF CLEARANCES A (see 2.10 and Annex G)	ND CREEPAGE DISTANCES	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 25 of 51 Report No.: SZAWW180830005-02S

No.	IEC 60950-1	Ant	Aupor
Clause	Requirement – Test	Result - Remark	Verdict
Anbore.	And Andrew Anhor All	otek Anhoten Anho	100
G Anbote	ANNEX G, ALTERNATIVE METHOD FOR DETEI CLEARANCES	RMINING MINIMUM	N/A
G.1 Anbo	Clearances	abotek Anbote And	N/A
G.1.1	General Annual A	Andotek Anbotek An	N/A
G.1.2	Summary of the procedure for determining minimum clearances	Anbotek Anbotek	N/A
G.2 _{Anbote}	Determination of mains transient voltage (V)	stek Anbotek Anbo	N/A
G.2.1	AC mains supply	stek anbotek Anbot	N/A
G.2.2	Earthed d.c. mains supplies	goo tek abotek Anbot	N/A
G.2.3	Unearthed d.c. mains supplies	Anbor K wotek An	N/A
G.2.4	Battery operation:	Anboto Am	N/A
G.3	Determination of telecommunication network transient voltage (V)	Anbotek Anbotek	N/A
G.4	Determination of required withstand voltage (V)	Am otek anbotek	N/A
G.4.1	Mains transients and internal repetitive peaks:	bote. And tek abote	N/A
G.4.2	Transients from telecommunication networks:	Aupotek Aupo tek	√ N/A
G.4.3	Combination of transients	abotek Anbote An	N/A
G.4.4	Transients from cable distribution systems	botek Anbotes	N/A
G.5	Measurement of transient voltages (V)	k kotek Anboten	N/A
Pur Potek	a) Transients from a mains supply	Am stek Ambotek	N/A
Aug of	For an a.c. mains supply	Bote Anb	N/A
Vup.	For a d.c. mains supply	Inbotek Anbourek	N/A
potek An	b) Transients from a telecommunication network	nbotek Anbote An	N/A
G.6	Determination of minimum clearances:	botek Anboten A	N/A
hotek	Anbotes And tek abotek Anbote	k hotek Anbotek	Aupo
H And	ANNEX H, IONIZING RADIATION (see 4.3.13)	And stek anbotek	N/A
P.Up	JK Anbotek Anbot K Notek An	boten Anbo tek abotel	Anb
Anbo	ANNEX J, TABLE OF ELECTROCHEMICAL POT	ENTIALS (see 2.6.5.6)	o [™] N/A
ootek Ant	Metal(s) used	Steel	otek-
botek	Anbore And Stek Anborek Anbo	Anboten A	up
K week	ANNEX K, THERMAL CONTROLS (see 1.5.3 and	d 5.3.8)	N/A
K.1	Making and breaking capacity	No thermostat and temperatrue limiter used for thermal control circuit	N/A
K.2	Thermostat reliability; operating voltage (V):	Anbote And stek abo	N/A
K.3	Thermostat endurance test; operating voltage (V):	Anbotek Anbotek Ar	N/A
K.4	Temperature limiter endurance; operating voltage (V)	Annotek Anbotek	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 26 of 51 Report No.: SZAWW180830005-02S

Clause	Requirement – Test Result - Remark	Verdict
- Apolek	Annotation	Volum
K.5	Thermal cut-out reliability	N/A
K.6	Stability of operation	N/A
ye. An	stek anbotek Anbote Anbotek Anbotek Anbotek	botek
potek !	ANNEX L, NORMAL LOAD CONDITIONS FOR SOME TYPES OF ELECTRICAL BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.2)	N/A
L!1 otek	Typewriters	N/A
L.2 Andre	Adding machines and cash registers	N/A
L.3 Anbot	Erasers notek Ambolista Am	N/A
L.4 Anb	Pencil sharpeners	N/A
L.5	Duplicators and copy machines	N/A
L.6 otek	Motor-operated files	N/A
L.7 otek	Other business equipment	N/A
Ana	K anbotek Anbote Anbotek Anbotek Anbotek	Anbo
M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)	N/A
M.1	Introduction	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 (Hz)	Pupo,
M.3.1.2	Voltage (V)	-An
M.3.1.3	Cadence; time (s), voltage (V):	otek
M.3.1.4	Single fault current (mA):	botek
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):	o [™] N/A
otek Ar	Book Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	rek
N _{botek}	ANNEX N, IMPULSE TEST GENERATORS (see 1.5.7.2, 1.5.7.3, 2.10.3.9, 6.2.2.1, 7.3.2, 7.4.3 and Clause G.5)	N/A
N.1 ^{nb}	ITU-T impulse test generators	N/A
N.2 Mboton	IEC 60065 impulse test generator	N/A
k Anbo	Anno tek nbotek Anbotek Anbotek Anbotek Anbotek	rek An
Rek An	ANNEX P, NORMATIVE REFERENCES	- N
otek	Anbotek Anbotek Anbotek Anbotek Anbotek A	upore
Q	ANNEX Q, Voltage dependent resistors (VDRs) (see 1.5.9.1)	N/A
Aupor	- Preferred climatic categories Considered	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 27 of 51 Report No.: SZAWW180830005-02S

Clause	Description and Trackless Apple	V
Nek	Requirement – Test Result - Remark	Verdict
Ando	- Maximum continuous voltage:	N/A
tek Anb	Body of the VDR Test according to IEC60695-11-5	N/A
upotek p	Body of the VDR. Flammability class of material (min V-1)	N/A
Aupote	Ambotek Anbotek Anbe ek botek Anbote Anb	nbotek
R Anbore	ANNEX R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES	N/A
R.1 Anb	Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	N/A
R.2	Reduced clearances (see 2.10.3)	N/A
notek	Anbotes Ann tek nbotek Anbote K Anbotek Anbotesk	Anbo
Shin	ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)	N/A
S.1	Test equipment	N/A
S.2 And	Test procedure	N/A
S.3	Examples of waveforms during impulse testing	N/A
potek A	abov An hotek Anboten Anbo tek Anbotek Anbote An	otek
Anbotek	ANNEX T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER (see 1.1.2)	N/A
Anbotek Anbotek		N/A
T Anbotek Anbotek U Anbotek		N/A
Anbotek Anbotek U Anbotek	(see 1.1.2) ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED	Anbote
Anbotek Anbotek U Anbotek Anbotek Anbotek	(see 1.1.2) ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)	Anbote
otek Ando	(see 1.1.2) ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)	Anbote
Niporek Bolok Wi	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1)	N/A
V.1, potek	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1)	N/A
V.1, potek	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction	N/A N/A N/A
V V.1 V.2	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction	N/A N/A N/A
V V.1 V.2	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems	N/A N/A N/A N/A
V V.1 V.2 W W.1	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems ANNEX W, SUMMATION OF TOUCH CURRENTS	N/A N/A N/A N/A
V V.1 V.2 W W.1 W.1.1	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems ANNEX W, SUMMATION OF TOUCH CURRENTS Touch current from electronic circuits	N/A N/A N/A N/A N/A
V V.1 V.2 W W.1 W.1.1	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems ANNEX W, SUMMATION OF TOUCH CURRENTS Touch current from electronic circuits Floating circuits	N/A N/A N/A N/A N/A N/A
V V.1 V.2 W W.1 W.1.1 W.1.2	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems ANNEX W, SUMMATION OF TOUCH CURRENTS Touch current from electronic circuits Floating circuits Earthed circuits	N/A N/A N/A N/A N/A N/A N/A
V V.1 V.2 W.1 W.1.1 W.1.2 W.2 W.2.1 W.2.2	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4) (see appended table 1.5.1) ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1) Introduction TN power distribution systems ANNEX W, SUMMATION OF TOUCH CURRENTS Touch current from electronic circuits Floating circuits Earthed circuits Interconnection of several equipments	N/A N/A N/A N/A N/A N/A N/A N/A N/A

Anbe



Shenzhen Anbotek Compliance Laboratory Limited Page 28 of 51 Report No.: SZAWW180830005-02S

'U'	IEC 60950-1	Anbore
Clause	Requirement – Test Result - Remark	Verdic
X Ambotel	ANNEX X, MAXIMUM HEATING EFFECT IN TRANSFORMER TESTS (see clause C.1)	N/A
X.1 Amb	Determination of maximum input current	N/A
X.2	Overload test procedure	N/A
notek .	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore
Yann	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING TEST (see 4.3.13.3)	N/A
Y.1	Test apparatus	otell N/A
Y.2	Mounting of test samples	N/A
Y.3	Carbon-arc light-exposure apparatus:	N/A
Y.4	Xenon-arc light exposure apparatus:	N/A
nbotek	Anbotte K Anbotek Anbotek Anbotek Anbotek	Anno
Z botek	ANNEX Z, OVERVOLTAGE CATEGORIES (see 2.10.3.2 and Clause G.2)	N/A
All hotek	Anboten Ansotek abotek Anbote K Anbotek Anb	otek Anbe
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)	N/A
Ann	otek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek
BB	ANNEX BB, CHANGES IN THE SECOND EDITION	botek
Anbotek	Anborek Anborek Anborek Anborek Anborek	k hotek
CC abotek	ANNEX CC, Evaluation of integrated circuit (IC) current limiters	N/A
CC.1	General	N/A
CC.2	Test program 1	inpotel, Vi
CC.3	Test program 2	N/A
ose, Yu	otek Anbotek Anbotek Anbotek Anbotek	abotek
DD	ANNEX DD, Requirements for the mounting means of rack-mounted equipments	ent N/A
DD.1	General	N/A
DD.2	Mechanical strength test, variable N	N/A
DD.3	Mechanical strength test, 250N, including end stops	N/A
DD.4	Compliance:	N/A
botek	Anbote Anbotek Anbotek Anbotek Anbotek	Anbe
EE notek	ANNEX EE, Household and home/office document/media shredders	N/A
EE.1 Ner	General Annual A	N/A
EE.2	Markings and instructions	N/A
Anbox	Use of markings or symbols:	N/A
otek Ant	Information of user instructions, maintenance and/or servicing instructions:	N/A
EE.3	Inadvertent reactivation test:	N/A



Shenzhen Anbotek Compliance Laboratory Limited Page 29 of 51 Report No.: SZAWW180830005-02S

'upose	IEC 60950-1	Anbores Anna Otek	Anbotek
Clause	Requirement – Test	Result - Remark	Verdict
aboten	And K notek Anboth An	tok spotek Aupe	
EE.4	Disconnection of power to hazardous moving parts	botek Anbotek Anboten	N/A
itek Anh	Use of markings or symbols:	hotek Anbote Anb	N/A
EE.5	Protection against hazardous moving parts	Anhotek Anbotek Anh	N/A
"otek	Test with test finger (Figure 2A)	And otek Anbotek	N/A
Ans	Test with wedge probe (Figure EE1 and EE2):	Anbe tek shotek	N/A



Aupotek	Anbotek Anbotek	EN 60950-1	Anbotek Anbotek	nbotek
Clause	Requirement – Test	Anbore An	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60950-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Information technology equipment – Safety –

Part 1: General requirements

Differences according to.....: IEC 60950-1:2005+A1:2009+A2:2013

Attachment Form No...... EU_GD_IEC60950_1E

Master Attachment...... Date 2013-09

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IEC 60950-1:2005+A1:2009+A2:2013

Clause	Requirement + Test		R	Result - Rem	ark	Verdict
	Clauses, subclauses, IEC60950-1 and it's a			are addition	al to those in	nbotek
Contents	Add the following ann	nexes:	A. Otek	Anbote	August	Rek
	Annex ZA (normative) No	ormative reference	ces to intern	ational	Vur
	abotek Anbe	pι	blications with th	neir correspo	onding European	Anbo
	Air. Stek	461,	blications	tek Anb	ore An	1/2
	Annex ZB (normative		pecial national co	onditions		A.
	Annex ZD (informativ	V U/2	C and CENELE		nnations for	Otek
	7 THICK ZB (IIIIOIIIIduv	200	xible cords	o dode desig	griations for	*ek
A2:2013)	boten Anbo	r. sekile	Albie Colus	And	bolek.	Vipo.
General	Delete all the "country	y" notes in the	reference docum	ent (IEC 60	950-1:2005)	Anbe Pek
	according to the follo	wing list:				VII.
	1.4.8 Note 2	1.5.1	Note 2 & 3	1.5.7.1	Note	Anbor
	1.5.8 Note 2	1.5.9.4	Note	1.7.2.1	10	, V
	2.2.3 Note	2.2.4	Note	2.3.2	Note	by.
	2.3.2.1 Note 2	2.3.4	Note 2	2.6.3.3		CKEK
	2.7.1 Note	2.10.3.2	Note 2		3 Note 3	You
	3.2.1.1 Note 4.3.6 Note 1 & 2	3.2.4 4.7	Note 3. Note 4	2.5.1 4.7.2.2	Note 2 Note	Apolo
	4.7.3.1 Note 1 & 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	"otek
	6 Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	And
	6.2.2 Note	6.2.2.1	Note 2	6.2.2.2	Note	Anbore
	7.1 Note 3	7.2	Note	× 7.3	Note 1 & 2	6
-01	G.2.1 Note 2	Annex H	Note 2	br.	otek anbote	Ant
Seneral	Delete all the "country			nent (IEC 60	950-	ek P
	1:2005/A1:2010) acc	or arrigito trio io				
A1:2010)	1:2005/A1:2010) acc	6.1.2.1	Note 2			poter

Shenzhen Anbotek Compliance Laboratory Limited Page 31 of 51 Report No.: SZAWW180830005-02S

Un	otek Anbor Air	EN 60950-1	And	abote
Clause	Requirement – Test	All hotek	Result - Remark	Verdict
Supoter	Anbo Anti	ote Aug	tok abotek Anbo	br.
General (A2:2013)	Delete all the "country" notes in the 1:2005/A2:2013) according to the		ument (IEC 60950-	Bup.
	2.7.1 Note * 2 6.2.2. Note	2.10.3.1 Note 2		nbotek A
	* Note of secretary: Text of Comm	non Modification r	remains unchanged.	Anbotek
Anbor	atek Anbotek Anbo	ok hotek	Anbote And	nbotek.
1.1.1 A1:2010)	Replace the text of NOTE 3 by the NOTE 3 The requirements of EN 60065 m equipment. See IEC Guide 112, Guide on 60065 applies.	ay also be used to m		
1.3.Z1	Add the following subclause:	Aupo	otek Anbote. And	N/A
	1.3.Z1 Exposure to excessive sou	nd pressure	Anbo K Kotek	inhote.
	The apparatus shall be so designed	· pa	Anbotel Anb	botek
	constructed as to present no dang		hotek Anbore	YUL LOK
	for its intended purpose, either in r		Ans tek abotek	Aupor
	operating conditions or under fault		ek Anbor An	· nbol
	particularly providing protection ag to excessive sound pressures from		tek abotek Anbo	h.,
	or earphones.	ii iicaupiiones	bor Air stek and	ter bu
	NOTE Z1 A new method of measurem	nent is described	Anbotek Anbo	potek
	in EN 50332-1, Sound system equipm	nent:	A. Abote, V.	Up
	Headphones and earphones associate		Anb K botek	anbore
	audio equipment - Maximum sound pr measurement methodology and limit of		Anbote And	botek
	Part 1: General method for "one packa	age equipment",	k hotek Anbote	All
	and in EN 50332-2, Sound system eq		Ant tek botek	Anbo.
	Headphones and earphones associate audio equipment - Maximum sound pr		otek Anbore An	100
	measurement methodology and limit of		tek abotek Anbo	by.
	Part 2: Guidelines to associate sets w	ith headphones	Tupor VIII. Stek	boten
A12:2011)	coming from different manufacturers.	VI.	abotek Aupo K	N/A
notek	In EN 60950-1:2006/A12:2011	22250 4 2220	anboter.	PUD INV
	Delete the addition of 1.3.Z1 / EN		And K hotek	Anbore
	Delete the definition of 1.2.3.Z1 / E	=N 60950-	k Aupote, Aug	· hote
- botek	1:2006/A1:2010	boten Anbo	ok botek Anbote	Ame
1.5.1	Add the following NOTE:		ote And tek abot	N/A
	NOTE Z1 The use of certain substance		botek Anbor An	rek
	and electronic equipment is restricted see Directive 2002/95/EC	within the EU:	And tek abotek An	/pc
Added info*)	New Directive 2011/65/11 *		Anbor Air	boten
1.7.2.1	In addition, for a PORTABLE SOU	ND SYSTEM,	Anbotek Anbo	N/A
A1:2010)	the instructions shall include a war		All stek anbotek	Anbo
	excessive sound pressure from ear		Anbo	Anbore
1.7.2.1	headphones can cause hearing los	55. P	stell Autoter Auto	N/A
I .	In EN 60950-1:2006/A12:2011	anboten Anb	ok hotek anbot	IN/A
stek And	Delete NOTE Z1 and the addition Sound System.		nbotek Anunbotek An	oolek b
	Add the following clause and anne existing standard and amendment	ts. And	Anbotek Anbotek	Arbote.
	Zx Protection against excessive	sound proceur	o from personal music	2000



.V.	en e	80950-1	Aupor Ar.	apoter
ause	Requirement – Test	Re	sult - Remark	Verdic
abotek	Anbott Anbott	And	abotek Anbot	bere
	Zx.1 General	tek Aupor		N/A
	This sub-clause specifies requirement	s for		wotek 0
	protection against excessive sound pr		stek aboten Ar	'Do
	personal music players that are closel			Anbote.
	to the ear. It also specifies requirement earphones and headphones intended			"otek
	personal music players.	ioi use with		Anb
	A personal music player is a portable	equipment		Anbore
	for personal use, that:	equipinent		d- 40
	is designed to allow the user to listen to	to recorded		And
	or broadcast sound or video; and prim			notek D
	headphones or earphones that can be			. You
	on or around the ear; and allows the u			Aupore
	around while in use.	Air		"otek
	NOTE 1 Examples are hand-held or body-			Ann
	portable CD players, MP3 audio players, n			Anbore
	phones with MP3 type features, PDA's or equipment.	similar		No No
	A personal music player and earphone	ek or Anbo		VUD.
	headphones intended to be used with			otek
	music players shall comply with the re			ak ,
	of this sub-clause.	nbotek Anb		Vupote.
	The requirements in this sub-clause a	re valid for		"otek
	musci or video mode only.	Anbo		BULL
	The requirements do not apply:	upoter		Anbore
	while the personal music player is con	nected to		.V. 100
	an external amplifier; or	Anbo ,		Ant
	while the headphone or earphones are	e not used.		otek A
	NOTE 2 An external amplifier is an amplifi	30		.ek
	not part of the personal music player or the	e listening		Inpose
	device, but which is intended to play the m	nusic as a		hotek
	standalone music player.	Anbo		And
	The requirements do not apply to:	nboter		Anboro
	hearing aid equipment and profession	al		k 20
	equipment;	Anbo		AUR
	NOTE 3 Professional equipment is equipment through special sale s channels. All productions			otek Ar
	through normal electronics stores are cons			.o.K
	professional equipment.	upoter Pupe		nbote
	analogue personal music players (per	sonal music		hotek
	players without any kind of digital proc			Alle
	the sound signal) that are brought to the	he market		Aupore
Auporo	before the end of 2015.	P. Sek	anbote. And	, no
hotek	NOTE 4 This exemption has been allowed		notek Anbote	N/A
	this technology is falling out of use and it is			stek An
	that within a few years it will no longer exist exemption will not be extended to other terms.			No
	KO, WASHINGTON K	0/1		nbole
	For equipment which is clearly design			cotek
	intended for use by young children, the EN 71-1 apply.	e iii iiis oi		ANDO
-V	Zx.2 Equipment requirements	porek	Pupo. Br.	N/A
	LAY A FOUIDMENT FACILITEMENTS	0 L/ Iv		II N/A



ause	Requirement – Test	Result - Remark	Verdic
ause	requirement – rest	Tresuit - Tremain	Veluic
Aupo,	complies with the following:	Schok Auport Ann	101
		And K neek Ar	Pur Vin
	equipment provided as a package (person		Yaz
	music player with its listening device), wh	ere the	Aupo.
	acoustic output L _{Aeq,T} , is ≤ 85 dBA measu		stek
	while playing the fixed "programme simula	ation	Anbo
	noise" as described in EN 50332-1; and a	stek spore And	botek
	personal music player provided with an a	nalogue	AUD
	electrical output socket for a listening dev	- W	ek spote
	where the electrical output is ≤ 27 mV me		Arra
	as described in EN 50332-2, while playing		do Not
	fixed "programme simulation noise" as de		por bi
		Scribed	Net K
	in EN 50332-1.	All ok hotek	Anbo
	NOTE 1 Wherever the term acoustic acoustic		otek
	used in this clause, the 30 s A-weighted equip	ment	Ant
	sound pressure level L _{Aeq,T} , is meant.	otek Anbore Am	hotek
	See also Zx.5 and Annex Zx.	upper tek upote	Ans
	All other equipment shall:	notek Anbo	ek abote
	a) protect the user from unintentional aco		DI.
	outputs exceeding those mentioned abov	e; and	tek np
	b) have a standard acoustic output level r		bo. br.
	exceeding those mentioned above, and	Anb Anb	rek
	automatically return to an output level not	W. Poter	Anbo
	exceeding those mentioned above when		botek
		ile kek abote.	And
	power is switched off; and	otek Vupore VIII.	hotek
	c) provide a means to actively inform the	user of	b'ur
	the increased sound pressure when the	notek Anbo	K pote,
	equipment is operated with an acoustic or	utput	All
	exceeding those mentioned above. Any n	neans	rek noo
	used shall be acknowledged by the user to	pefore	Do.
	activating a mode of operation which allow		del
	an acoustic output exceeding those ment		Anbo
	above. The acknowledgement does not n		POTEK
			And
	be repeated more than once every 20 h o	otek Anbore An	hotek
	cumulative listening time; and	upo kek upote	DUP.
	NOTE 2 Examples of means include visual or		K pole
	signals. Action from the user is always require		Ville
	NOTE 3 The 20 h listening time is the accumu		tek nbo
	listening time, independent how often and how	long the	Or. Dir.
	personal music player has been switched off.	Noter Anbo	stell or
	d) have a warning as specified in Zx.3; ar	d An botek	Aupo N.
	e) not exceed the following:	ek above And	CLEK
	1) equipment provided as a package (play	er with	AMD
	Its listening device), the acoustic output s		hotek
	100 dBA measured while playing the fixed		V.
	"programme simulation noise" described i		k boten
		Arm atek abote	Ville
	50332-1; and	noter Anbo Air	tek abot
	2) a personal music player provided with		b.,
	analogue electrical output socket for a list	ening	otek . n
	device, the electrical output shall be ≤ 150) mV A moter	Wp.
	measured as described in EN 50332-2, w	hile hote And	holek
	playing the fixed "programme simulation r		Anbo
	described in EN 50332-1.	otek anbore And	-otek
	For music where the average sound pres	sure kek spoten	AND
	(long term $L_{Aeq,T}$) measured over the dura		hotek
			Ans
	the song is lower than the average production		You You
	the programme simulation noise, the warr	ning av	Vision



upoten A	upor All notek	EN 60950-1	k abotek	Anbote	And
Clause	Requirement – Test	Anbotok Anbot	Result - Re	emark	Verdict
hotek.	Anbore And	K abotek Ant	,0° D7,	otek Vupore	Kup
k Aupotek	does not need to be give sound pressure of the s limit of 85 dBA. In this c	ong is below the basic	ge	Anbotek Anbr	upotek Anbor
nbotek And	duration of the song. NOTE 4 Classical music ty sound pressure (long term than the average program	L _{Aeq,T}) which is much lower	Anbotek Anbotek		Anbotek
Anbotek Anbotek	Therefore, if the player is of and compare it with the protect the warning does not need	capable to analyse the sor ogramme simulation noise I to be given as long as the	e dek Mi		Anbotek Anbotek
otek Anboten	average sound pressure o limit of 85 dBA. For example, if the player simulation noise to 85 dBA	is set with the programme	wotek.		ibotek Ani
nbotek Ar	level of the song is only 65 give a warning or ask an a the average sound level of basic limit of 85 dBA.	dBA, there is no need to cknowledgement as long			Anbotek
Anbotek	Zx.3 Warning The warning shall be pla	aced on the equipment	Ordek Sun	otek Anbotek	N/A
Anbotek	on the packaging, or in and shall consist of the	the instruction manual following:	no nootek		botek Ant
tek Anbo	the symbol of Figure 1 v mm; and the following w	vording, or similar:	of 5		Anbotek
hotek Al	"To prevent possible he listen at high volume lev		Anbore		Anbotek
	Anbotek Anbotek	Antic	hotek Anb		Anbote Anbote
	1 July 1	െ ്	Anbotek P		potek Anb
	hotek Ant Zin	<u> </u>	Anbotek		Anbotek
	Figure 1 – Warning Alternatively, the entire	label (IEC 60417-6044)	ek Anbote		Anbotek
	through the equipment of the user is asked to ack	display during use, whe			otek Anbo
ek Anbore	higher level.	poter Anbo	n' beek	Anbote An	, ex
potek Ant	Zx.4 Requirements for Zx.4.1 Wired listening input			i earpnones)	N/A
	With 94 dBA sound presinput voltage of the fixed noise" described in EN	d "programme simulatio	n l		Anbotek
	This requirement is app the headphones can op	licable in any mode who erate (active or passive	ere),		otek Anbo
	including any available in volume level control).	botek Anbotek	It- Anbotek		unbolek A
botek P	NOTE The values of 94 dBA - 85dBA – 27 mV and 100 dBA	– 150 mV.	K Anbo	Anbotek	Arbote.
Anbotek	Zx.4.2 Wired listening input With any playing device	Anbo. Air	Anto Anto	tek Anbotek	N/A



10/4	EN 60950-1	And work	Anbore
Clause	Requirement – Test	Result - Remark	Verdict
abolen	And the otek andore And	ak hotek Anbo	p.c.
	"programme simulation noise" described in EN	An Anthone	Anb
	50332-1 (and respecting the digital interface	otek anbore Ant	K
	standards, where a digital interface standard	hoo k. stek abo	b.
	exists that specifies the equivalent acoustic level),	hotek Anbo	401
	the acoustic output L _{Aeq,T} of the listening device	And ak hotek Ar	1000
	shall be ≤ 100 dBA.	And And	notek
	This requirement is applicable in any mode where	Ar stek anboter	YUD
	the headphones can operate, including any	Aupon W.	"pore
	available setting (for example built-in volume level	ok botek Anbot	bi.
	control, additional sound feature like equalization,	re. And K Josek	Anb
	etc.).	tek aboten Ano	V
	tek nbotel Ann k notek N	por Am	CEN V.
	NOTE An example of a wired listening device with digital input	otek Anbote Ant	Yo.
,	is a USB headphone.	Anbo Kek	A OLO
	Zx.4.3 Wireless listening devices	hotek Anbo	N/A
	In wireless mode:	Ant botek	Yupo.
	with any playing and transmitting device playing	anbore And	"otek
	the fixed programme simulation noise described	A. tek abote.	And
	in EN 50332-1; and	lek Wipon Wir	200
	respecting the wireless transmission standards,	K sotek Anbore	Dir.
	where an air interface standard exists that	poter And	ek ar
	specifies the equivalent acoustic level; and with	tek shotek Anbe	
	volume and sound settings in the listening device	Anbore Am	otek
	(for example built-in volume level control,	otek anbore An	No.
	additional sound feature like equalization, etc.)	Anbo A. Stek	apote
	set to the combination of positions that maximize	hotek Anbo	br.
	the measured acoustic output for the	And	anbore
	abovementioned programme simulation noise,	ek shoten Anbe	, o
	the acoustic output LAeq,T of the listening device	All tek shoten	Anbo
	shall be ≤ 100 dBA. NOTE An example of a wireless	otek Anbore An	10
		otek Anbot	An
VU.	listening device is a Bluetooth headphone. Zx.5 Measurement methods	Sporter And	N/A
Yer	WO. Pr.	All boten Ant	IN/A
	Measurements shall be made in accordance with	Anbore Am	botek
	EN 50332-1 or EN 50332-2 as applicable.	stek anbote	DUL
	Unless stated otherwise, the time interval T shall	Anbo	"upole.
	be 30 s.	k hotek Anbo	ber
	NOTE Test method for wireless equipment provided without	Ant K hotek	Anbo.
	NOTE Test method for wireless equipment provided without listening device should be defined.	stek abote And	v
2.7.1	2001 1001	or All Abore	P
Anbe	Replace the subclause as follows:	hotek Anbo	ve/
	Basic requirements	An ok wotek Ant	000
	To protect against excessive current, short-	anbote. And	notek
	circuits and earth faults in PRIMARY CIRCUITS,	hek aboter	YALD.
	protective devices shall be included either as	Anbor All	"poter
	integral parts of the equipment or as parts of the	s work anbote	Alle
	building installation, subject to the following, a), b)	Anb	Aupor
	and c):	tek nbotek Anbo	Pro
	a) except as detailed in b) and c), protective	Dr. Ann ak note	Ant
		stek Anbore And	1/2
	devices necessary to comply with the	upo N. Yok Vp.	0,6
	requirements of 5.3 shall be included as parts of	hotek Anbor An	*eK
	the equipment;	And K stek	Thorn
	b) for components in series with the mains input	shoten Anbu P	rek
	to the equipment such as the supply cord,	Arr. Notek	Anbo
	appliance coupler, r.f.i. filter and switch, short-	Anbore And	~ote
	circuit and earth fault protection may be provided	A. noter	AUD



100 P	EN 60950-1	Anbor All	anbotek
Clause	Requirement – Test	Result - Remark	Verdict
Anboten	Anho Anhore Ann	tek Anbotek Anbo	No.
, abotek	by protective devices in the building installation;	Potek Bubose	Ann
	c) it is permitted for PLUGGABLE EQUIPMENT TYPE B or PERMANENTLY CONNECTED	bote Ant stek anbot	ek P
	EQUIPMENT, to rely on dedicated overcurrent	Anbotek Anbo	otek
	and short-circuit protection in the building	hotek Anbote An	*ek
	installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in	Ann otek	Yupo.
	the installation instructions.	Anbo Ak A Botek	Anbore
	If reliance is placed on protection in the building	lek Anbore Ant Otek	nbo
	installation, the installation instructions shall so	otek Anbotek Anbo	K K
	state, except that for PLUGGABLE EQUIPMENT TYPE A the building installation shall be regarded	los tek spotek Anbot	P.
	as providing protection in accordance with the	Ambore Am otek Am	otek
pote. An	rating of the wall socket outlet.	Amboten Ambo	abotek
2.7.2	This subclause has been declared 'void'.	abotek Anbote	N/A
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	ak hotek Anbote	N/A
3.2.5.1	700, VI.	And tek anbotek	N/A
7.2.5. And	Replace "60245 IEC 53" by "H05 RR-F"; "60227 IEC 52" by "H03 VV-F or	potek Anbo Ak Abote	K IVA
	H03 VVH2-F";	botek Anbote Ant	Yel
	"60227 IEC 53" by "H05 VV-F or	An otek Anbotek Ant	, ak
	H05 VVH2-F2". In Table 3B, replace the first four lines by the	Anbo tek botek	upore
	following:	Anbore Ant Otek	Anbotek
	Up to and including 6 0,75 a)	ek Anbotek Anbo	h.
	Over 6 up to and including 10 (0,75) b) 1,0	tek botek Anbote	Arra
	Over 10 up to and including 16 (1,0) c) 1,5 In the conditions applicable to Table 3B delete	ot All Totek Anbote	An
	the words "in some countries" in condition a).	Anboten Anb	otek.
	In NOTE 1, applicable to Table 3B, delete the second	anbotek Anbot Air	sotek
3.3.4	sentence.	Anhoten A	N/A
no.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the	And otek Anbotek	Antivo
	following:	Anbo ok A hotek	Anbote
	Over 10 up to and including 16 1,5 to 2,5 1,5 to	otek Anbote And	· nt
	Delete the fifth lines conductor since for 12 to 16 A	notek Anboten Anbo	.ek
.3.13.6	Delete the fifth line: conductor sizes for 13 to 16 A	run otek vupotek Vupo	N/Δ
A1:2010)	Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to:	Anbo K Air Notek	N/A
	1999/519/EC: Council Recommendation on the	Anbote And	abotek
	limitation of exposure of the general public to	k anbotek Anbo	Note note
	electromagnetic fields 0 Hz to 300 GHz, and	Lek botek Anbote	And
	2006/25/EC: Directive on the minimum health and	An atek anbotek	Anb
	safety requirements regarding the exposure of workers to risks arising from physical agents	aboten Anbu Ak No	ex 1
	(artifical optical radiation).	sbotek Anbote And	rek
notek o	Standards taking into account mentioned	Ar. Otek Anbotek Ar	N/A
	Recommendation and Directive which	Anbo Lok hotek	Anbote.
	demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	And And	otel



	EN 60950-1		
Clause	Requirement – Test	Result - Remark	Verdict
"potek	Anbot Andrew Anbote Andrew	ok botek Anbote	p.c.
Annex H	Replace the last paragraph of this annex by: At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate shal not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows:	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
Anbotek Anbotek	NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.	ociek Anbotek Anbotek	Anbotek Anbot
Bibliography	Additional EN standards.	botek Anbot All	ek - n
stek Anbo	Tek Anbotek Anbotek	hotek Anboten Anbo	tek
ZAek	NORMATIVE REFERENCES TO INTERNATION THEIR CORRESPONDING EUROPEAN PUBLIC		

And	Anhotek Anbo tek abotek Anbotek	And Andrew	Aupor
Anbotek	1.1 ZB ANNEX (normat	notek Anbor An	
	1.2 SPECIAL NATIONAL COND	1000000000000000000000000000000000000	
Clause	Requirement + Test	Result - Remark	Verdict
1.2.4.1	In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not establishing earthing conditions when inserted into Danish socket-outlets.	Anbotek Anbotek	N/A
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	otek Anbotek Anbote	N/A
1.5.7.1 Anbot	In Finland , Norway and Sweden , resistors bridging BASIC INSULATION in CLASS I PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.1. In addition when a single resistor is used, the resistor must withstand the resistor test in 1.5.7.2.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
1.5.8	In Norway , due to the IT power system used (see annex V, Figure V.7), capacitors are required to be rated for the applicable line-to-line voltage (230 V).	otek Anbotek Anbotek	N/A
1.5.9.4	In Finland , Norway and Sweden , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.	Anbotek Anbotek Anbr	N/A
1.7.2.1	In Finland, Norway and Sweden, CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet.	Anbotek	N/A
Anbotek Anbotek	The marking text in the applicable countries shall be as follows: In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Anbotek Anbotek Anbotek	Anbotek Anbotek



Anbotek P	nnotek Andotek EN 6	0950-1	Anbotek Anbote	ek hotek
Clause	Requirement – Test	Aug potek	Result - Remark	Verdict
hotek	Anbox Anbotes Anbotes	ALIB	ok spotek An	Doc Man
	In Norway : "Apparatet må tilkoples jord stikkontakt"	. o.k	botek Anbotek	Anboten Anbo
	In Sweden : "Apparaten skall anslutas uttag"	tili jordat	Anbotek Anbotet	Anbotek
	In Norway and Sweden, the screen of		Anboten Anbot	ek Anbotek
1.7.2.1	distribution system is normally not eart entrance of the building and there is no equipotential bonding system within the	ormally no	ek Anbotek An	potek Anbote
(A11:2009)	Therefore the protective earthing of the installation need to be isolated from the	e building	botek Anbotek	Anbotek Anb
	a cable distribution system. It is however accepted to provide the in		Anbotek Anbotek	Anhotek
	external to the equipment by an adapted interconnection cable with galvanic iso may be provided by e.g. a retailer.		Anbotek Anbote	k knbotek
	The user manual shall then have the for similar information in Norwegian and S	Swedish	ek Anbotek Ant	nbotek Anbote
	language respectively, depending on in country the equipment is intended to b	e used in:	potek Anbotek	Anbotek Anb
	"Equipment connected to the protective of the building installation through the in connection or through other equipment	mains	Anbotek Anbotek	k Anbotek
	connection to protective earthing – and distribution system using coaxial cable	to a cable , may in	Anbotek Anbote	otek Anbotek
	some circumstances create a fire haza Connection to a cable distribution syste therefore to be provided through a dev	em has	otek Anbotek Air	Anbotek Anbote
	providing electrical isolation below a ce frequency range (galvanic isolator, see	ertain	Anbotek Anbotek	Anbote And
boten An	60728-11)."	'Ur	anbotek Anbor	A. MONIA
	NOTE In Norway, due to regulation for inst- cable distribution systems, and in Sweden, isolator shall provide electrical insulation be	a galvanic elow 5 MHz.	Anbotek Anbote	N/A
	The insulation shall withstand a dielectric s 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min. Translation to Norwegian (the Swedish	Anbo.	atek Anbotek A	inbotek Anbote
	also be accepted in Norway): "Utstyr som er koplet til beskyttelsesjor	N. VIII.	nbotek Anbotek	Anbore And
	nettplugg og/eller via annet jordtilkople og er tilkoplet et kabel-TV nett, kan ford	t utstyr – årsake	Anbotek Anbote	Anbotek
	brannfare. For å unngå dette skal det v tilkopling av utstyret til kabel-TV nettet en galvanisk isolator mellom utstyret o	installeres	K Anbotek Anbo	Anboten hotek
	nettet." Translation to Swedish:	g kabel- i v	otek Anbotek A	hbotek Anbo
	"Utrustning som är kopplad till skyddsjo jordat vägguttag och/eller via annan ut	ord via rustning	nbotek Anbotek	Anbolek Ar
	och samtidigt är kopplad till kabel-TV n vissa fall medföra risk för brand. För at detta skall vid anslutning av utrustning	t undvika	Anbotek Anbotek	Arboten notek
	kabel-TV nät galvanisk isolator finnas i utrustningen och kabel-TV nätet."		Anbotek Anbo	hotek Anbotek



1-0/6" DI	Upoce And Loke - Anbo	Ar stek apoter	'Up
AUDO POK	EN 60950-1	ek Anbo An Antek	Anbote
Clause	Requirement – Test	Result - Remark	Verdict
aboter	Anbote An	ok botek Anbo	by.
1.7.2.1	In Denmark , CLASS I PLUGGABLE	Anbore Air tok abote	N/A
(A2:2013)	EQUIPMENT TYPE A intended for connection	1 × O * Do 1	400
	other equipment or a network shall, if safety rel	lies	Or VI
	on connection to protective earth or if surge	ark Anbotek Anbote Anbote	atek
rek	suppressors are connected between the netwo	ork All boten p	IUP.
	terminals and accessible parts, have a marking		hotek
	stating that the equipment must be connected t	to dek Anbore	Ann
	an earthed mains socket-outlet.	Joten Ando	Vupore
	The marking text in Denmark shall be as follow		, , ,
	In Denmark : "Apparatets stikprop skal tilsluttes		Anbo
	en stikkontakt med jord, som giver forbindelse	til otek Anbor An	rok i
, you	stikproppens jord."	Aribo matek anbi	Dr. VI
1.7.5	In Denmark, socket-outlets for providing power	r to Moter And	N/A
stek sn	other equipment shall be in accordance with the		nloc
	Heavy Current Regulations, Section 107-2-D1,		botek
	Standard Sheet DK 1-3a, DK 1-5a or DK 1-7a,	K sotek Anbore	YILL
	when used on Class I equipment. For	oter And	Anbore
	STATIONARY EQUIPMENT the socket-outlet	tek aboten Anbe	200
	shall be in accordance with Standard Sheet Dk	C1-	Anbo
	1b or DK 1-5a.	otek Anbore An	You No.
	For CLASS II EQUIPMENT the socket outlet shall b	ne Andrew Anbe	Vu.
	in accordance with Standard Sheet DKA 1-4a.	aboten Anbo	rek
1.7.5	In Denmark , socket-outlets for providing power	r to	N/A
(A2:2013)	other equipment shall be in accordance with the		abole
hotek	DS 60884-2-D1:2011.	ok botek Anbor	by.
	DO 00004 2 D 1.2011.	And K sotek	Anbore
	For class I equipment the following Standard	tek abote. And	10,000
	Sheets are applicable: DK 1-3a, DK 1-1c,	inbo A. Stek Shote.	And
	DK 1-1d, DK 1-5a or DK 1-7a, with the exception	on lotek Anbor An	dr. 49,
	for STATIONARY EQUIPMENT where the	An Anbo	D.
	socket-outlets shall be in accordance with	inbote Anti-	notek 1
	Standard Sheet DK 1-1b, DK 1-1c, DK 1-1d or	otek anbote Ar	, ak
	DK 1-5a.	Anbo	abote
	upo K Notek Auport Au	tek boten Anbo	No.
	Socket outlets intended for providing power to	An Loke botek	Anbo
	Class II apparatus with a rated current of 2,5 A	notek Anbore Ant	bote
	shall be in accordance with DS 60884-2-D1	no K wotek Anbore	Arra
	standard sheet DKA 1-4a. Other current rating	aboter Anbo K	elf anb
	socket outlets shall be in compliance with by	Anboten Anbo	ν.
	DS 60884-2-D1 Standard Sheet DKA 1-3a or	Pupor VII.	porer b
	DKA 1-3b.	potek Aupor Au	*eX
	boten Anbo A. Stek aboten	And K wotek	Alpor
	Justification	tek Anbote Anb	"otek
rek	the Heavy Current Regulations, 6c	by hek aboter	And
2.2.4	In Norway, for requirements see 1.7.2.1, 6.1.2.	Jotes Anbo Air tek	N/A
botek	and 6.1.2.2 of this annex.	ok potek Anbore	br.
2.3.2	In Finland, Norway and Sweden there are	anbore Am ak work	N/A
sk vupote	additional requirements for the insulation. See	atek aboter And	-V-
	6.1.2.1 and 6.1.2.2 of this annex.	Aupo Al. Fek	oce. A
2.3.4	In Norway, for requirements see 1.7.2.1, 6.1.2.	.1 hotek Anbox An	N/A
		AM	por
	and 6.1.2.2 of this annex.	- V 1000	D/1
2.6.3.3	and 6.1.2.2 of this annex. In the United Kingdom , the current rating of the	ne spotek Amou	P



/D-	EN 60950-1	K. atek sabote.
Clause	Requirement – Test Result - Rema	ark Verdic
poter	And the stek andote And ak hote	Aupo, W.
2.7.1 Anbot	In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN	N/A
	EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral	Anbotek Anbotek
2.10.5.13	parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met.	k Anbotek Anbote
Aupor	In Finland , Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.	otek Anbotek A
3.2.1.1	In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884-1 and one of the following dimension sheets:	Anbotek Anbotek
	SEV 6532-2.1991 Plug Type 15 3P+N+PE 250/400 V, 10 A SEV 6533-2.1991 Plug Type 11 L+N 250 V, 10 A	nbotek Anbotek Anbrew A
	SEV 6534-2.1991 Plug Type 12 L+N+PE 250 V, 10 A	Anbotek Anbotek
	In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to	tek Anbotek Anbotek
	the following dimension sheets, published in February 1998:	hotek Anbotek Ar
	SEV 5932-2.1998: Plug Type 25 , 3L+N+PE 230/400 V, 16 A	Anbotek Anbotek
	SEV 5933-2.1998:Plug Type 21, L+N, 250 V, 16A	Anbotek Anbotek
	SEV 5934-2.1998: Plug Type 23, L+N+PE 250V, 16 A	ek Anbotek Anbo



hotek	EN 60950-1	And
or otek	Total Maria Carlo Maria Maria Maria	Ambore
Clause	Requirement – Test Result - Remark	Verdic
anbote.	And Joke Motek Aupor All Jok Moter Aug.	, P
3.2.1.1 Anbotek Anbotek Anbotek Anbotek	In Denmark , supply cords of single-phase equipment having a rated current not exceeding13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	If poly-phase equipment and single-phase equipment having a RATED CURRENT exceeding 13 A is provided with a supply cord with a plug, this plug shall be in accordance with the Heavy Current Regulations, Section 107-2-D1 or EN 60309-2.	Anbotek Anbotek Anbotek
3.2.1.1 A2:2013)	In Denmark , supply cords of single-phase equipment having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Justification the Heavy Current Regulations, 6c	Anbotek Anbotek



	EN 6095	0-1,04	Inboten Ando	10 V	eK
Clause	Requirement – Test	upo	sult - Remark	Vei	rdict
abotek	Anbo Anbore	Ann	botek	Aupor Au	
2.1.1 Anbot	In Spain , supply cords of single-phase equal having a rated current not exceeding 10 A be provided with a plug according to UNE 20315:1994.			Anbotek N	I/A
	Supply cords of single-phase equipment harated current not exceeding 2,5 A shall be provided with a plug according to UNE-EN 50075:1993.	abotek P		otek Anbote	
	CLASS I EQUIPMENT provided with socked outlets with earth contacts or which are into to be used in locations where protection againdirect contact is required according to the rules, shall be provided with a plug in acco	ended gainst e wiring		Anbotek Anbotek	
otek Inbotek	with standard UNE 20315:1994. If poly-phase equipment is provided with a cord with a plug, this plug shall be in accor with UNE-EN 60309-2.		Anbotek Anbotek Anbotek Anbotek	nbotek Anb	otek
2.1.1 Anbotek Anbotek Anbotek	In the United Kingdom , apparatus which with a flexible cable or cord and is designe connected to a mains socket conforming to 1363 by means of that flexible cable or corplug, shall be fitted with a 'standard plug' in accordance with Statutory Instrument 1768 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by the regulations. NOTE 'Standard plug' is defined in SI 1768:198	d to be b BS d and n 3:1994	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	I/A A otek
.2.1.1	essentially means an approved plug conforming 1363 or an approved conversion plug. In Ireland, apparatus which is fitted with a cable or cord and is designed to be connect a mains socket conforming to I.S. 411 by respectively.	flexible cted to	botek Anbotek	Anbotek N	I/A
	of that flexible cable or cord and plug, shal fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) Plugs and Conversion Adaptors for Domes Use) Regulations 1997.	(13 A		Anbotek Anbotek	
.2.4	In Switzerland , for requirements see 3.2.1 this annex.	.1 of	botek Anbotek	ek Anbe N	I/A
.2.5.1 Anbotek	In the United Kingdom , a power supply conductor of 1,25 mm ² is allowed for equipwith a rated current over 10 A and up to an including 13 A.	ment	Anbotek Anbotek	potek Anbo	I/A
.3.4	In the United Kingdom , the range of cond sizes of flexible cords to be accepted by te for equipment with a RATED CURRENT or 10 A up to and including 13 A is: • 1,25 mm² to 1,5 mm² nominal cross-sections.	rminals f over	potek Anbotek	Anbotek Anbotek	I/A
	area.	Ullai		potek Anbot	



nbolek	And K wotek	EN 60	 0950-1	abotek	Aupor	otek.
Clause	Requirement – Test	ak Anbotek	Voi Oddina	Result - Remark	Anbotek	Verdict
- otek	Troquiromonic Tool	rok hotek	Anboro	Troodit Troman	nbotek	Vordiot
4.3.6	In the United Kingdo performed using a sc BS 1363 part 1:1995 1:1997 and Amendm of DIRECT PLUG-IN assessed to BS 1363 12.9, 12.11, 12.12, 1 except that the test oless than 125 °C. Whereplaced by an Insula (ISOD), the requirem also apply.	ocket outlet comply, including Amend hent 2:2003 and the EQUIPMENT shats: Part 1, 12.1, 12.2.13, 12.16 and 12 ff 12.17 is performere the metal earliated Shutter Open	ving with ment e plug part ill be 2, 12.3, 2.17, ed at not th pin is ing Device	hotek Anbotek Anbotek Anbotek Anbotek Anbotek botek Anbotek	ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A Ar hbotek Anbotek Anbotek Anbotek
4.3.6	In Ireland , DIRECT F known as plug simila comply with Statutory National Standards A 28) (Electrical plugs, sockets for domestic	r devices. Such de y Instrument 526:1 Authority of Ireland plug similar device	evices shall 997 - (Section es and	Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek	hnbotek Anbotek
5.1.7.1 podek hodek Anbotek Anbotek Anbotek	In Finland, Norway a CURRENT measurer mA r.m.s. are permitted equipment: • STATIONARY PLUTYPE A that is interested in a telecor has provision for a permitted permitted by a STATIONARY PLUTYPE A TRANSPORTECTIVE EART is provided with instructional provide	ment results exceeted only for the following for the following the following has been applied munication centrermanently connected the following for the instance of the following for the instance of the following for the followi	eding 3,5 lowing MENT in a here d, for e; and cted OR; and callation of N;	Anbotek	otek Anbotek	N/A Anhotek Anbotek Anbotek Anbotek
	TYPE B; • STATIONARY PER EQUIPMENT.		Ar. hotek	k Anbotek		Anbotek



404	abotek Anbo	A. Otek Anbore.		And	hotek Ar	1000
Yupor b	otek anboten	EN 60950-1	tek	Anbore A	"Ur	abotek
Clause	Requirement – Test		wotek	Result - Remark		Verdict
botek	Aupo.	sk auporen Vi	Up.	ok botek	Anbor	Pr.
6.1.2.1 (A1:2010)	In Finland , Norway and following text between to paragraph of the complete.	the first and second iance clause:	Anbo	botek Anbotel		N/A
Kupotek A	If this insulation is solid forming part of a compo consist of either	onent, it shall at least	tek.			Aupotek K
Anbotek	 two layers of thin sheet shall pass the electric s 		ich			Anboten
ek Anbotek	- one layer having a dis at least 0,4 mm, which strength test below.		on of			Anboro Anbr
Ambotek Ambo	Alternatively for comporthrough insulation requiconsisting of an insulatifilling the casing, so that	irements for the insulating compound complet	tion			otek A
Anbotek Anbotek	CREEPAGE DISTANC component passes the accordance with the co and in addition	electric strength test in				Anbotek Anbotek
otek Anbo	- passes the tests and i 2.10.11 with an electric multiplied by 1,6 (the el	strength test of 1,5 kV ectric strength test of	o.K			otek An
Anbotek Anbotek	2.10.10 shall be perform - is subject to ROUTINE strength during manufa voltage of 1,5 kV.	E TESTING for electric				Anbotek Anbotek
k Anbore	It is permitted to bridge optocoupler complying		Anb	otek Anbore	ek Anbote	N/A
ote, Vun	It is permitted to bridge capacitor complying wit subclass Y2.		P.			otek Ar
Anbotek Anbotek	A capacitor classified Y EN 60384-14:2005, ma under the following con	y bridge this insulation	otek			Anbotek
k Anboten	- the insulation requiren having a capacitor class EN 60384-14, which in	sified Y3 as defined by addition to the Y3 testi	ing,			ctek Anbot
nbotek Ani	is tested with an impuls EN 60950-1:2006, 6.2.2	2.1;	K			botek
Anbotek	- the additional testing s the test specimens as c - the impulse test of 2,5	described in EN 60384-	-14;			Anbotek
Anbotek	before the endurance to sequence of tests as de	est in EN 60384-14, in	the	tek Anbotek	Anboten abotek	Anbot

Shenzhen Anbotek Compliance Laboratory Limited Page 45 of 51 Report No.: SZAWW180830005-02S

Yupote.	EN 60950-1	Anboten Anbo tek	potek
Clause	Requirement – Test	Result - Remark	Verdict
boter	Anbo Stek anbote Ans	ok hotek Anbo	bee
6.1.2.2	In Finland, Norway and Sweden, the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, PLUGGABLE EQUIPMENT TYPE B and equipment intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.		N/Abotek Anbotek Anbotek Anbotek
7.2 nbote ^k	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex. The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE	Anbotek Anbotek Anbotek Anbotek	N/A
7.3 (A11:2009)	DISTRIBUTION SYSTEM. In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	sek Anbotek Anbotek	N/A



1.5.1 nbote	TABLE: List of critic	al components			P nbot
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity ¹)
PCB	Interchangeable	Interchang eable	V-0, 130°C	UL 94	UL Anbotek
Remark:	abotek Anbote	Ans	Anbotek Anbo	ek abotek	Anbote

1.5.1 hote	TABLE: Opto Electronic Devices	N/A
Manufactu Type	urer:	otek Anb
Separately	ly tested	Anboten A
Bridging in	nsulation:	abotek
External ci	creepage distance:	Notek Notek
V 11/2	reepage distance: through insulation:	k Anbotel
Tested und	nder the following conditions:	otek Anbr
Output	popole And Andrew Andrew Andrew I	YUDO POK
supplemer	intary information	
Ann	abotek Anbot K At otek Anbotet Anb tek botek	Anbore

1.6.2	TABLE: ele	TABLE: electrical data test (in normal conditions)					ote N/A nb
fuse #	I rated (A)	U (V)	P (W)	I (A)	I fuse (A)	condition	
100	nbotek	Aupore.	Yun Polek	Anbotek	Aupor	rek abotek	Anboten
Remark:	Anbotek	Anbores	Annabotek	Anbot	ek Anb	otek anbotek	Anbotek

2.1.1.5 c) 1) TABLE: n	nax. V, A, VA test	Anbotek	Aupora Aug	otek Anbote N/Anbo
Voltage (\	(rated)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
Anboten -	Anbo	Abotek Ar	pote _ Ann	k nnotek	Anbor An hotek
Remark:	Anbou	hotek	Anbote. Anbo	tek nbotek	Anbore K An

2.1.1.5 c)	2) TABLE: s	stored energy	potek Ant	or ak	botek	Anbotek	Anbo	N/A
Capacitance C (µF) Voltage U (V)			Energy E (J)					
hotek	Aupoter	Ande	, notek	Anbor	VII.	ek Anlac	FEK P	upo
Remark:	Anbotek	Anbo	potek	Anbore	Ans	otek or	botek	Anbot



2.2 Anboter	TABLE: evalu	ation of voltage l	limiting c	omponent	s in SELV	circuits	Po.	N/A	
Loc	cation	Voltage	measurer	ment (V)		Comments			
Component (measured between)				max. vol	tage (V)	, , , , , , , , , , , , , , , , , , , ,			
Transforme	Location			V peak	V d.c.				
Anbo.	hotek	Anbote, An	otek.	nbotek	-Aupo	V. V.	otek	Anboten	
Fault test pe	Fault test performed on voltage limiting components			Vol		ured (V) in Si beak or V d.c.		its	
iek no	otek Aupor	K Pur	anb	Vek Vi	loo.	W. Potek	Anbore	Ann	
Remark:	sbotek Ant	Pupp Ville	ek .	nbotek	Anbor	hotek	Anbo	FELT.	

2.5	TABLE	: limited power sou	rce measurement			N/A
Condition		Output voltage	Output current	(Isc) (A)	Apparent po	wer (S) (VA)
		(Uoc) (V)	Meas. limit		Meas	limit
rek A.	botek	Anboten Anbo	tek nbotek	Aupor - Au	notek-	potek Aup
Remark: S	-C=Short	circuit, O-C=Open ci	rcuit	Anbolo	Answerk	Anbotek A

2.10.2	TABL	E: Working v	oltage measur	Lek M	abotek AM	I/A		
Compone	ent	From	То	V rms	V peak		Remark	
K Anti-	iek '	Anbotek	Aupor P	n.	Anbotek	Anbo	nbotek .	Anbo
Remark:	otek	Anbotek	Anbou	Ar. botek	Anboten	Anboatek	anbotek	P.L

2.10.3 and 2.10.4	TABLE: Clearar	nce and cre	epage dista	ince measure	ments		N/A
Clearance (c distance (cr)	at/of/between:	U peak (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)
ek Aupor	otek Ambotek	Repoter	Anbo	tek - Anbot	- Anb	ote. Aug	otek Ar
Supplementa	ary information:	k Aupo	to. Nun	stek ou	potek P	'upor by	notek

2.10.5	TABLE: Distance throug	nbotek	N/A			
distance the	rough insulation di at/of:	U peak (V)	U rms (V)	Test voltage (V)	Required DTI (mm)	DTI (mm)
ek nb	otek - Anbo. An	otek A	"pote" b	10 rek	potek - Anbo	- V.
Remark:	abotek Anbote An	otek.	Anbotek	Anbo.	hotek An	pote. An

4.3.8	TABLE: Batteries	k botek	Anbote	Ans	nbotek	N/A
The tests of	of 4.3.8 are applicable only	y when appropria	ate battery	Anbo	hotek	N/A
data is not	available	oten Anbe	V 10	tek Anbore	Ann	oto de



Discharging Unintentional Charging Meas. Manuf. Current Specs. Manuf. Manuf. Specs. Manuf. S	"pore"	MUR					
Discharging Meas. Manuf. current Specs. Max. current during normal condition Max. current during fault condition Test results: Charging Discharging Meas. Manuf. current Specs. Max. current during fault condition Test results: Charging Discharging Meas. Manuf. current Specs. Max. current during fault condition Test results: See below No leakaged Explosion of flame or expulsion of molten metal No fire	All	N/A					
Meas. Specs. Specs. Specs. Manuf. Current Specs. Current Specs. Max. Current during normal condition Max. Current during fault condition Test results: See below - Chemical leaks - Explosion of flame or expulsion of molten metal Meas. Manuf. Specs. Current Manuf. Specs. Current Specs. Current Specs.	Rechargeable batteries						
Max. current during normal condition Max. current during fault condition Test results: - Charging current Specs. current Sp	Reverse	d charging					
current during normal condition Max. current during fault condition Test results: - Chemical leaks - Explosion of flame or expulsion of molten metal		Manuf. Specs.					
Condition Max. current during fault condition Test results: - Chemical leaks - Explosion of the battery - Emission of flame or expulsion of molten metal See below No explosion No fire	nbotek	Anbotek Anbotek					
Current during fault condition Test results: - Chemical leaks - Explosion of the battery - Emission of flame or expulsion of molten metal See below No leakaged No explosion No fire	Anbotek	Anbor					
- Chemical leaks - Explosion of the battery - Emission of flame or expulsion of molten metal No fire	tek - Ant	otek _					
- Chemical leaks - Explosion of the battery - Emission of flame or expulsion of molten metal No fire	up. Fek	abotek					
- Explosion of the battery - Emission of flame or expulsion of molten metal No fire	Anbo	Verdict					
- Emission of flame or expulsion of molten metal No fire	Anbolo	Pu.					
16. VII. 14. VO. BU. 10.	Anbore	bu,					
The same of the sa	No fire						
- Electric strength tests of equipment after completion of tests No damaged	No damaged						
Supplementary information:	'be 'v	hotek					

4.5 Anbot	TABLE: Thermal requirements	Lek botek	Anbote And atel	P nbo
rek Aupo	Supply voltage (V)	3.3Vdc	Anboten Anbo	_
botek A	Ambient T _{min} (°C):	40.0	Aupoten Aup	_
hotek	Ambient T _{max} (°C)	40.0	ek andotek A	_
Maximum m	neasured temperature T of part/at:	Т (°C)	Allowed T _{max} (°C)
PCB near U	6 And tek Anbotek Anbot	70.8	Anboten - Anbo	130
PCB near U	7 Anbotek Ant	72.3	Anbotek Anbos	130
Metal case	botek Anbo ak Abotek	62.6	Anbotek Anbo	70
Remark:	Anbotek Anbot ak hotek	Anboten Anbo	ek nbotek A	hore

4.5.5	TABLE: Ball pressure test of thermoplastics	An Lotek	Anbotek	N/A
ok No.	required impression diameter (mm)	≤ 2 mm	Anbotek	- Aupo.
part		test temperature (°C)	impression (mr	
Anbotek	Anborek Anbotes Anb	upotek Anbr	No Vu	hotek
Remark:	Anbote K Anhotek Anbotek Anbo	ek spotek A	nbote	Aug



4.7 TABLE:	Resistance to fire	Anbore K Am	ek anbot	ek Anbo	P pote
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
Refer to table 1.5.1 for	or details	k And otek	Anbotek	Anbo	botek P
Supplementary inform	nation: motel And	ote, Aug.	nbotek	Anbore	Air

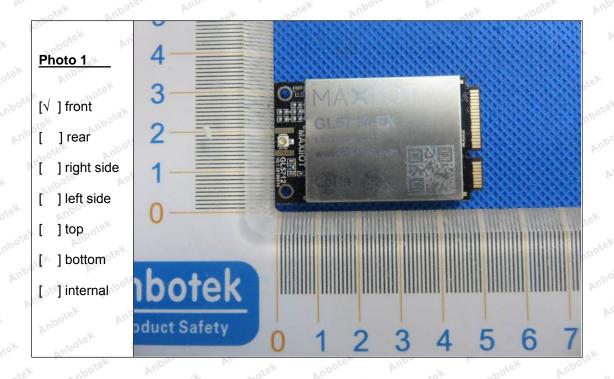
5.1.6	TABLE:	Touch current	VI.	ek An	Poter Vup.	N/A	
Condition		L → terminal A (mA)	N → terminal A (mA)	Lim	it (mA)	Comments	
ore Vu	notek.	Anbotek	Ando - A	otek	Pupote.	Amb	- Anbotek
Remark:	And	Anbotek	Aupor Al.	notek	Anboten	Anbo	abotek

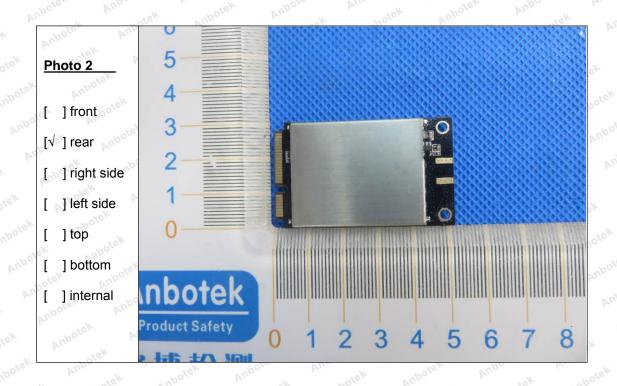
5.2	TABLE: Electric strength tests, impulse tests and voltage surge tests						
Test voltage	applied between:			Voltage shape (AC, DC, impulse, surge)	Test voltage (V)	Breakdown Yes / No	
atek an	potek Aupor	Ar. botek	Anboten	Aug - tok	nbotek	Yuporg b	
Supplementa	ry information:						

TABL	E: Fault co	ondition to	ests	botek	Anbore	Ann otek Anbotek	Pupos
ambient temperature (°C)						25℃	
model/type of power supply:						See below	
manufacturer of power supply						See page 1	
rated markings of power supply:						See rating label	
•	Fault	Test voltage (V)	Test time	Fuse #.	Fuse current (A)	Result	
oin3-4	S-C	3.3VDC	10min	Anti-	1/4 PZ	Unit shut down immediately, no damaged, no hazard.	
in2-5	S-C	3.3VDC	10min	An!	otek	Unit shut down immediately, damaged, no hazard.	no
Ant	S-C	3.3VDC	10min	//- <u></u>	kupotek K	Unit shut down immediately, damaged, no hazard.	no hoter
	ambie mode manu rated ponen sin3-4	ambient temperal model/type of polymanufacturer of prated markings of ponen Fault S-C in 2-5 S-C	ambient temperature (°C) model/type of power supply manufacturer of power sup rated markings of power su ponen Fault Test voltage (V) pin3-4 S-C 3.3VDC in2-5 S-C 3.3VDC	model/type of power supply manufacturer of power supply rated markings of power supply ponen Fault Test voltage (V) pin3-4 S-C 3.3VDC 10min in2-5 S-C 3.3VDC 10min	ambient temperature (°C) model/type of power supply rated markings of power supply ponen Fault Test voltage (V) pin3-4 S-C 3.3VDC 10min in2-5 S-C 3.3VDC 10min	ambient temperature (°C): model/type of power supply: manufacturer of power supply: rated markings of power supply: ponen Fault Test voltage (V) pin3-4 S-C 3.3VDC 10min tin2-5 S-C 3.3VDC 10min	ambient temperature (°C)



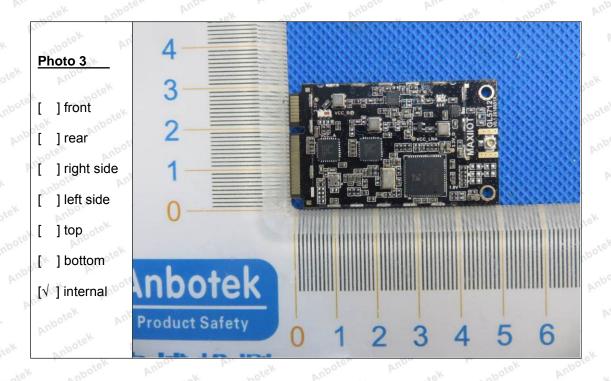
Photos

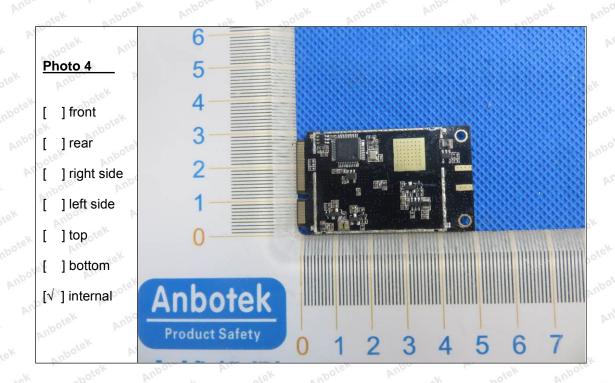






Photos





***End of report**