

Test Report

Client Name

E-POWER LIMITED

Address

7th Floor, NO.B Building, Anlibang Technology Park, Xitian First Industrial District, Gongming, Guangming District, Shenzhen, Guangdong, China

Product Name : BT SPEAKER

Date : 2021.12.16

Compliance Laboration

Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited

Zone South, 1/F., Building 2, Hengchangrong High-Tech Industrial Park, Huangtian, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Page 1 of 13



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- 3. The test report is invalid without the signatures of testing engineer, reviewer and approver.
- 4. The test report is invalid if altered.
- 5. Objections to the test report must be submitted to Shenzhen Anbotek Compliance Laboratory Limited within 15 days.
- 6. The test report is valid for the tested samples only.
- 7. As for test verdict, "-"means "no need for judgment" "N/A" means "not applicable".

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Page 2 of 13

Anbotek Product Safety

Report No.:18290KC10153801

TEST REPORT

Client Name :	E-POWER LIMITED
Chent Name :	7th Floor, NO.B Building, Anlibang Technology Park, Xitian
Address :	First Industrial District, Gongming, Guangming District, Shenzhen,
	Guangdong, China mple(s) said to be:
Report on the submitted sa	imple(s) said to be:
Product Name :	BT SPEAKER
Model :	32500 March 100 Mar
Trademark :	/ Anboir All abotek Anbotek Anbotek Ant
Description	Ant tek stotek Anbor Ar otek unboren
Sample(s)	Inc tak abotek Anbor An atek unboren
received quantity	boten Andrek Anbore Ant Anborek
Sample(s) Testing quantity	1pc
Manufacturer :	Anbotek Anbo' An Anbotek Anboten Anbo
botek Anbo, Ar.	Anbor An ek botek Anbo A. stek
	ek Anboten Anbo tek tootek Anbore Ant
Sample(s) : received Date	2021.12.8
Testing period :	2021.12.9
Report Date :	2021.12.16
Tost Conclusion	
Test Conclusion:	ek Anbotek Anbot Al. Anbotek Anbotek Anbotek
Test item :	PX6 MID AN AN ADDIEN MIDD
Test item : Test standard :	IEC 60529:1989+A1:1999+A2:2013
Evaluation :	Pass Million And And And And And And And And And An
otek Anbote Anu otek	Pass Antotek Anbotek A

Prepared by:

name: Carlos Ye

Title: Test Engineer

Garbs. Te.

Checked by:

name: Jimmy Zhou Title: Lab Deputy Manager

Approved by:

Code:AB-AR-02-c

name: Jeff Zhu Title: Authorized Signatory

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Page 3 of 13

Anbote Product Safety

Report No.:18290KC10153801

1. Test standards

IEC 60529:1989+A1:1999+A2:2013 Degrees of protection provided by enclosures(IP Code)

2. Conformity verification-Summary of inspection

lek nbo	tek Anbor An otek Anboren Anbor tek toote	P	Test resul	It And stok
Clause	Summary of inspection	N/A.	Pass	Fail
nbotek	TESTS FOR PROTECTION AGAINST ACCESS TO HAZARDOUS	nboto	Ano	ek d
Anburek	PARTS INDICATED BY THE FIRST CHARACTERISTIC NUMERAL		iek An	potek A
Aupo	TESTS FOR PROTECTION AGAINST SOLID FOREIGN	Burn	diek.	nbotek
otek 13 Anbo	OBJECTS INDICATED BY THE FIRST CHARACTERISTIC NUMERAL.	19 ¹⁴	Anbotek	Anbotek
Anbotek	TESTS FOR PROTECTION AGAINST WATER INDICATED BY THE SECOND CHARACTERISTIC NUMERAL.	nbotek Anbotek	Anboten Manbot	e ^k 🗆 An ^{bo}

Test case verdicts:

N/A.: Test case does not apply to the test object

P: Test item does meet the requirement

F: Test item does not meet the requirement

2.1 Environmental Conditions : Environmental Temperature : 15°C~35°C Relative Humidity : 25%~75% Pressure : 86kpa~106kpa

2.2 Test equipment :

Equipment Name	Equipment No.	Model	Validity Period
Water proof test system	SE-4378	ZJ-IPX5-X6	2022.9.5

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Page 4 of 13

3. Test information and results

Anbotek	Anborek	Anbotek IE	C 60529:1989	+A1:1999+A2	:2013	Anbor An	Anbotek Al
Clause	Anbotek	Anboten	Requirer	nent-Test	Anbore	Annobotek	Verdict
Anb	ek abote	k Anbort	hur hote	anbotek	Aupor	k hotek	Anboten
K be	o. b	Combinatio	n of toot condi	tiona for the fi	rat abaractaria	tio numeral	.ex-

otek A	Combination of test conditions for the first characteristic numeral
11.4	Designation with a first characteristic numeral implies that all test conditions are met for this
abotek	numeral.

bolo	Ans	rek npor Ar	the ster and	You			
	First characteristic	Test for protection against					
Ar Ar	number	Access to hazardous parts	Solid foreign objects	Verdict			
	Anbotek O Anb	No test required	No test required	N/A			
	Anbotan 1 Anbotak	NOT NOT	not fully penetrate and adequate shall be kept	N/A			
	ek Anbotek potek 2 Anbotek	The jointed test finger may penetrate up to its 80 mm length, but adequate clearance shall be kept	The sphere of 12.5mm φ shall not fully penetrate	N/A			
	Anto 3	10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	hall not penetrate and adequate shall be kept	N/A ^{hnbo}			
Table 5	Anbo. 4 Anbotek	.00° p.	The test wire of 1.0mm ϕ shall not penetrate and adequate clearance shall be kept				
k Anio otek Anio Inbotek	Anbotek Anbotek	The test wire of 1.0 mm φ shall not penetrate and adequate clearance shall be kept	Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety	N/A			
	And Anbotek	The test wire of 1.0 mm φ shall not penetrate and adequate clearance shall be kept	No ingress of dust	N/A			
obotek	10.		and 2, "not fully penetrate" means the through an opening of the enclosure				

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Product Safety

	Anboten Anbo IEC	60529:1989+A1:1999+A2:2013	nbotek Anbo	
Clause	Anbotek Anbore	Requirement-Test	k Anbotek Al	Verdict
PUL	iek Anbotek Anbo	All Anbotek Anbotek Anbo	tek nbotek	Anbore
13 A		ION AGAINST SOLID FOREIGN C E FIRST CHARACTERISTIC NUM		DBY
10K	Anbote Ant Ant	Test means	Anboten Anbo	ek p
13.1	Test means	s and the main test conditions are g	iven in Tab.7.	
Anboten	Tab.VII-7 Test mear	ns for the tests for protection agains	t solid Foreign object	Supportek
Anbo	First characteristic numeral	Test means	Test force	Verdic
ek.	potek Antotek Antote	No test required	No test required	N/A
botek	Anbotek Inbotek Anb	Rigid sphere without handle or guard 50mm diameter	50 N ± 10 %	N/A
Anbotek	ek Anbotek 2 Anbotek	Rigid sphere without handle or guard 12.5mm diameter	30 N ± 10 %	N/A
able 7	potek Anbotek Anbote 3 Anbotek Anbote	Rigid steel rod 2.5mm diameter with edges free from burrs	3 N ± 10 %	N/A
potek	Anbotek Anbotek Anb	Rigid steel rod 1mm diameter with edges free from burrs	1 N ± 10 %	N/A
Anbotek	Anbotek 5 Anbotek	Dust chamber Fig.2,with or without underpressure	N/A	N/A
Anbot	potek Anbols6 Anbolsk	Dust chamber Fig.2,with underpressure	N/A	N/A
<i>K h</i> .	Test cond	ditions for first characteristic numera	als 1, 2, 3, 4	
13.2	The object probe is pushed a	gainst any openings of the enclosur 7.	e with the force speci	fied in tal
Anboic	Acceptance conditi	ons for first characteristic numerals	1, 2, 3, 4	Verdic
13.3	10 NOV	if the full diameter of the probe spec t pass through any opening.	cified in table 7 does	N/A
γ-	Dust test fo	r first characteristic numerals 5 and	Anbotek Anbore	Verdic
otek 12 d	figure 2 whereby the power ci	st chamber incorporating the basic p rculation pump may be replace by c er in suspension in a closed test ch	other means suitable	otek
13.4 Anbote	powder used shall be able to	pass through a square-meshed sie the nominal width of a gap betweer	ve the nominal wire	N/A

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Page 6 of 13

Product Safety

Report No.:18290KC10153801

botek	IEC 60529:1989+A1:1999+A2:2013	. pr.
lause	Requirement-Test	Verdict
0 dna	ek Anbo' A. Anbotek Anboten Anbo	Ann
	Dust test for first characteristic numerals 5 and 6	Verdict
P.	Enclosures are of necessity in one of two categories:	Aupo.
	Category1: Enclosures where the normal working cycle of the equipment causes	
botek	reductions in air pressure within the enclosure below that of the surrounding air, for	N/A
abotek	example, due to thermal cycling effects.	
P.I.	Category 2:Enclosures where no pressure difference relative to surrounding air is	
And	present.	Anboter
P.C	Category 1 enclosures:	
13.4	The enclosure under test is supported inside the test chamber and the pressure	
Notek	inside the enclosure is maintained below the surrounding atmospheric pressure by a	
np-	vacuum pump. The suction connection shall be made to a hole specially provided for	N/A
Aupor	this test.	
Anbol	A volume of air 80 times the volume of the sample enclosure tested without	
6.0	exceeding the extraction rate of 60 volumes per hour. In no event shall the depression exceed 2 kPa(20 mbar) on the manometer shown in figure 2.	
ek	Category 2 enclosures:	AUPC
	The enclosure under test is supported in its normal operating position inside the test	
bole	chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall	N/A
Anbotek	be left open for the duration of the test. The test shall be continued for a period of 8h.	
13.5	Special conditions for first characteristic numeral 5	Anbotek
AU	Test conditions for first characteristic numeral 5	Verdict
13.5.1	The enclosure shall be deemed category 1 unless the relevant product standard for	NI/Anbot
botek	the equipment specifies that the enclosure is category 2.	N/A
Anbotek	Acceptance conditions for first characteristic numeral 5	Verdict
abot	The protection is satisfactory if, on inspection, talcum powder has not accumulated in	Anvek
13.5.2	a quantity or location such that, as with any other kind of dust, it could interfere with	N/A
Ani	the correct operation of the equipment or impair safety. Except for special cases to	Aupoten
6r	be clearly specified in the relevant product standard, no dust shall deposit where	iodna x
13.6	Special conditions for first characteristic numeral is 6	otek An
Anboten	Test conditions for first characteristic numeral is 6	Verdict
13.6.1	The enclosure shall be deemed category 1, whether reductions in pressure below the atmospheric pressure are present or not	N/A
		. NO.
sk sal	Acceptance conditions for first characteristic Numeral 6	Verdict

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Page 7 of 13

ANDOTE

Report No.:18290KC10153801

Anb

IEC 60529:1989+A1:1999+A2:2013

Clause

Requirement-Test

Verdict

Anbote	And	FOR PROTECTION	ARACTERISTIC		poten Anbo.	br.
Anb		hotek Anbotek	Test mean	IS botek		
1	Anboten T	The test means and th	ne main test con	ditions are give	en in the table 8	hotek
otek	Test means	and main test condit	ions for the tests	for Protection	against water	, abote
Anbo Ch	Second aracteristic numeral	Test means	Water flow rate	Duration of test	Test conditions	Ver
Aup	0	No test required	N/A	N/A	N/A	e ^{بر} N
k p otek Anbolek	Angotek Angotek Anbotek	Drip box Fig.3 Enclosure on turntable	1 mm/min	10 min	14.2.1	AnboN
Arbotel	het 2 hnbole	Drip box Fig.3 Enclosure in 4 fixed positions of 15°tilt	3 mm/min	2.5 min for each position of tilt	14.2.2	Anb N
e Botek	Anbotek Anbotek 3 Anbotek	Oscillating tube Fig.a Spray ±60°from vertical, distance max.200mm	0.07L/min ±5% per hole, multiplied by	10min	14.2.3a)	Anbotek Anbotek
Anbo	nbotek Anbo	Spray nozzle Fig.5 Spray ±60°from vertical	Number of holes 10L/min ±5%	1 min/m ² at least 5 min	14.2.3b)	N N
tek botek	Anbotek 4 Anbotek	As for numeral 3 Spray ±180° from vertical	As for numeral 3	As for numeral 3	14.2.4	Anbot N
Anboiek Anboi	hilbotek 18 ^k 5 Anbot	Water jet hose Nozzle Fig.6 Nozzle 6.3mm diameter,distance 2.5m to 3m	12.5L/min ±5%	1 min/m ² at least 3 min	14.2.5	Anb ^o N
hotek	Anbotek 6 ^{botek}	Water jet hose Nozzle Fig.6 Nozzle 12.5mm diameter,distance	100L/min ±5%	1 min/m² at least 3 min	14.2.6	otek Anbotek Anbo

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Report N	No.:18290KC101	53801	Anbore	Ant	botek Anbo.	- Port
- otek	Anbotek	IEC 60529	:1989+A1:1999+	-A2:2013	Anbotek Anbo	tek Anbr
Clause	Anbotek	Anbore Re	quirement-Test	Anborrotek	Anbotek Al	Verdict
P	tek Anboten	And	botek Anbore	Ann	nbotek	Aupo
sk And	Second Characteristic numeral	Test means	Water flow rate	Duration of test	Test conditions	Verdict
otek Anbotek	Anbotek A	Immersion tank Water-level on	Anbotek	Anbotek Ar	Anbotek Anbo	lek Anbo
Anboter	ek Anbotek	Enclosure:0.15m above top 1m above bottom	N/A of at	30min	14.2.7	Anbotek
Anbo Anbo Ar	botek 8 Anbotek	Immersion tank Water-level:by agreement	N/A	by agreement	14.2.8	N/A otek
Anbotek hotek	Anbotek A	Fan jet nozzle Figure 7 Test of small	Anbotek Anbotek	All	Anbotek Anbot	połek Anbo
Table 8		enclosure on turntable Figure12	Anbotek Anbotek	30s per position	14.2.9(a)	N/A
otek A'	Anbotek Anbo	Turntable speed (5±1)r/min Spray at 0°,	Anbotek A	anbotek Anbo.	antek Anbotek	Anbore
Anbotek	Anbotek Anbotek	30°, 60°, 90° Test of large	(15±1)L/min	Anboten	An potek An	anbotek Ar
nbot	ek Anbotek Dotek Anbotek	enclosures as per intended use	otek Anbor Anbotek Anbo	lek Aupo,	Anbotek Anbotek	Anbotek
hek An	Anbotek Anbo		Anbotek Ar	1min/m ² at least 3 min	14.2.9(b)	N/A
nbotek		Distance (175±25)mm	Anbotek	Anbotek	Anbotek Anbot	otek An
Anboten	Ante hotek	Not Not	d characteristic ı	numeral 6	Anbo. Ar.	Verdict
Anbot	atek Anbotek		diameter : 12.5m	im; Aupotok	K hotek	Anbotek
14.2.6	nbolek Anbol		ce : 2.5 m to 3 m ate :(100±5%)			Rootek
. e.K	Andotek Ar	Test tin	ne : at least 3 mi	n; ^{bort} And	botek Anbote	k Aupo,

4.Test result:

Sample No.	Test Item	Test requirements	Test result	Evaluation
18290KC101 538-1-1-1	IPX6	There is no water enter the sample inside or the water inside does not affect the electrical properties of the sample.	There is no water enter the sample inside. The sample's function is normal.	Pass
botek l	nboten A	not anbotek Anbotek	Ant antek Anbotek Ar	ipo, b.

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Anbote Code:AB-AR-02-c Page 9 of 13



Anbotek Product Safety

Report No.:18290KC10153801

5. Photos





IPX6-Before test

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IPX6-After test

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IPX6-After test



IPX6-After test

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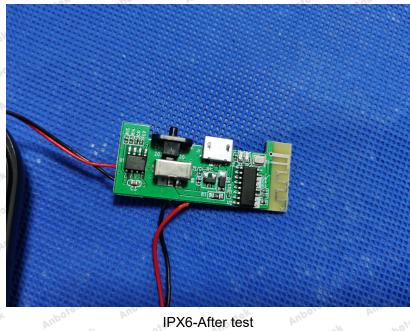
Zone South, 1/F., Building 2, Hengchangrong High-Tech Industrial Park, Huangtian, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Code:AB-AR-02-c



Page 12 of 13





IPX6-After test

End of Report

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Page 13 of 13