

TEST REPORT

Report No.: BCTC2303990540-1E

Applicant: Shenzhen Comiso Digital Technology.,Ltd.

Product Name: Bluetooth Speaker

Model/Type Ref.: S55

Tested Date: 2021-05-17 to 2021-05-21

Issued Date: 2023-03-20

Shenzhen BCTC Testing Co., Ltd.



Product Name: Bluetooth Speaker
Trademark: N/A
Model/Type Ref.: S55
More models Ref. the 2.1
Prepared For: Shenzhen Comiso Digital Technology.,Ltd.
Address: A area of 12/F & B area of 11/F, No, 13 Building, Xiaweishui Industrial Park, Hongqiaotou Community, SongGang Street, Baoan District, Shenzhen City, China
Manufacturer: Shenzhen Comiso Digital Technology.,Ltd.
Address: A area of 12/F & B area of 11/F, No, 13 Building, Xiaweishui Industrial Park, Hongqiaotou Community, SongGang Street, Baoan District, Shenzhen City, China
Prepared By: Shenzhen BCTC Testing Co., Ltd.
Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date: 2021-05-17
Sample tested Date: 2021-05-17 to 2021-05-21
Issue Date: 2023-03-20
Report No.: BCTC2303990540-1E
Test Standards: EN 62479:2010
Test Results: PASS
Remark: This is RED Health test report.

Tested by:



Eric Yang/Project Handler

Approved by:



Zero Zhou/Reviewer

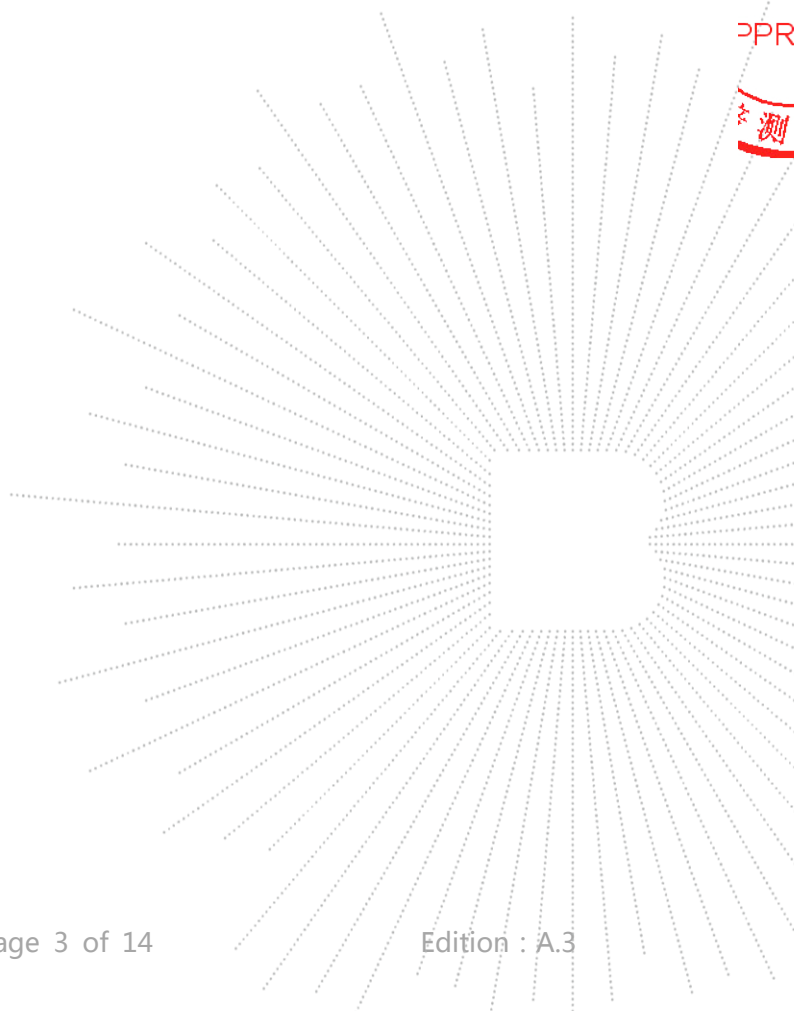
The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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(Note: N/A means not applicable)

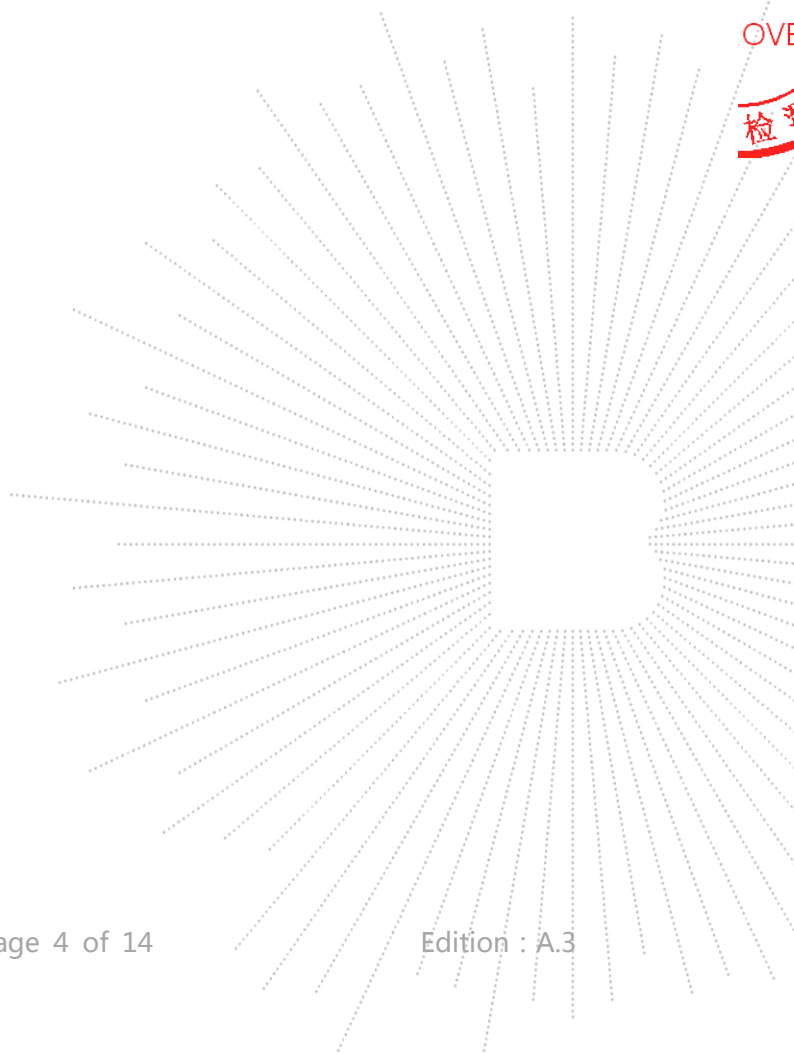
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1. VERSION

Report No.	Issue Date	Description	Approved
BCTC2303990540-1E	2023-03-20	Original	Valid

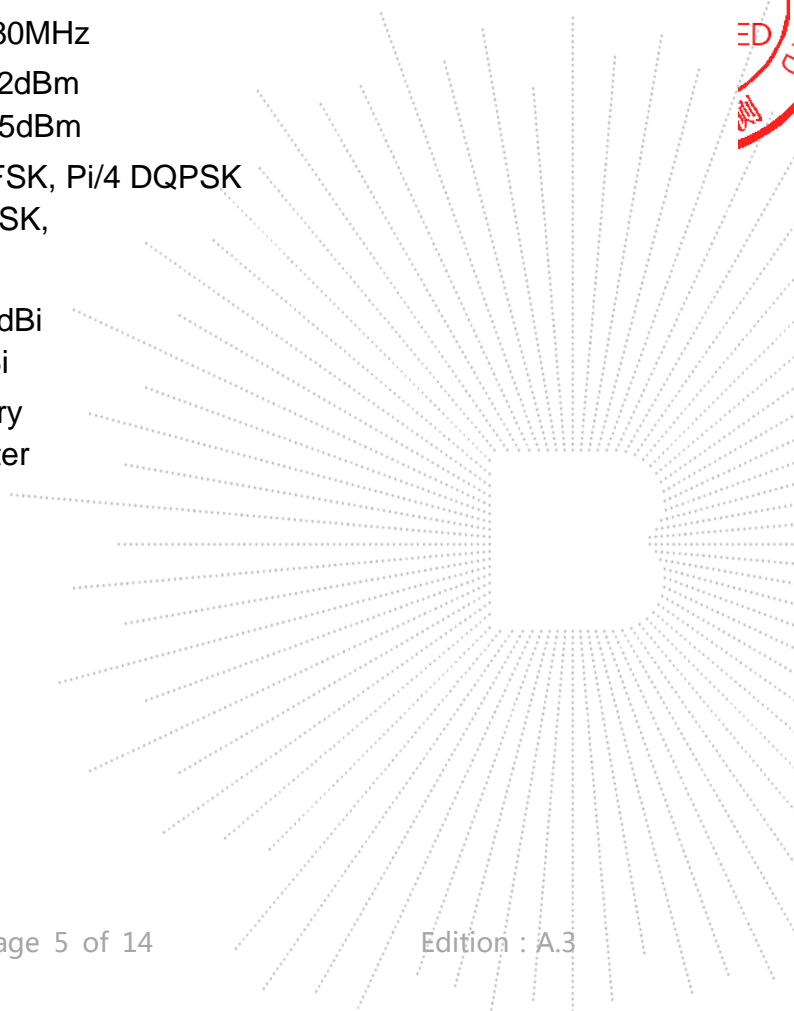
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2. PRODUCT INFORMATION AND TEST SETUP

2.1 Product Information

Model/Type Ref.:	S55 S1, S2, S5, S6, S7, S8, S9, S11, S12, S13, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50, S51, S52, S53, S54, S55, S56, S57, S58, S59, S60, S61, S62, S63, S64, S65, S66, S67, S68, S69, S70, S71, S72, S73, S74, Z1, Z2, Z3, Z4, Z5, Z6, Z7, Z8, Z9, Z10, Z11, Z12, Z13, Z14, Z15, Z16, Z17, Z18, Z19, Z20, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, M68, M88, M71, Platinum Speaker, OPP054
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	Bluetooth: 2402-2480MHz
Max. RF output power:	Bluetooth(EDR):2.32dBm Bluetooth(BLE): 3.15dBm
Type of Modulation:	Bluetooth(EDR): GFSK, Pi/4 DQPSK Bluetooth(BLE): GFSK,
Antenna installation:	Internal antenna
Antenna Gain:	Bluetooth(EDR):0.5dBi Bluetooth(BLE):0dBi
Ratings:	DC 3.7V from Battery DC 5.0V from adapter



3. HEALTH REQUIREMENTS

3.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (10MHz to 300GHz) Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{max} .

Annex A contains example values for P_{max} derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2], and IEEE Std C95.1-2005 [3].

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the P_{max} values given in Annex A, the alternative P_{max} values (called P_{max}'), described in Annex B can also be used.

For low power equipment using pulsed signals, other limits may apply in addition to those considered in Annex A and Annex B. Both ICNIRP guidelines [1] and IEEE standards [2], [3] have specific restrictions on exposures to pulsed fields, and the requirements of those standards with respect to exposure to pulses shall be met. Annex C discusses this topic further.

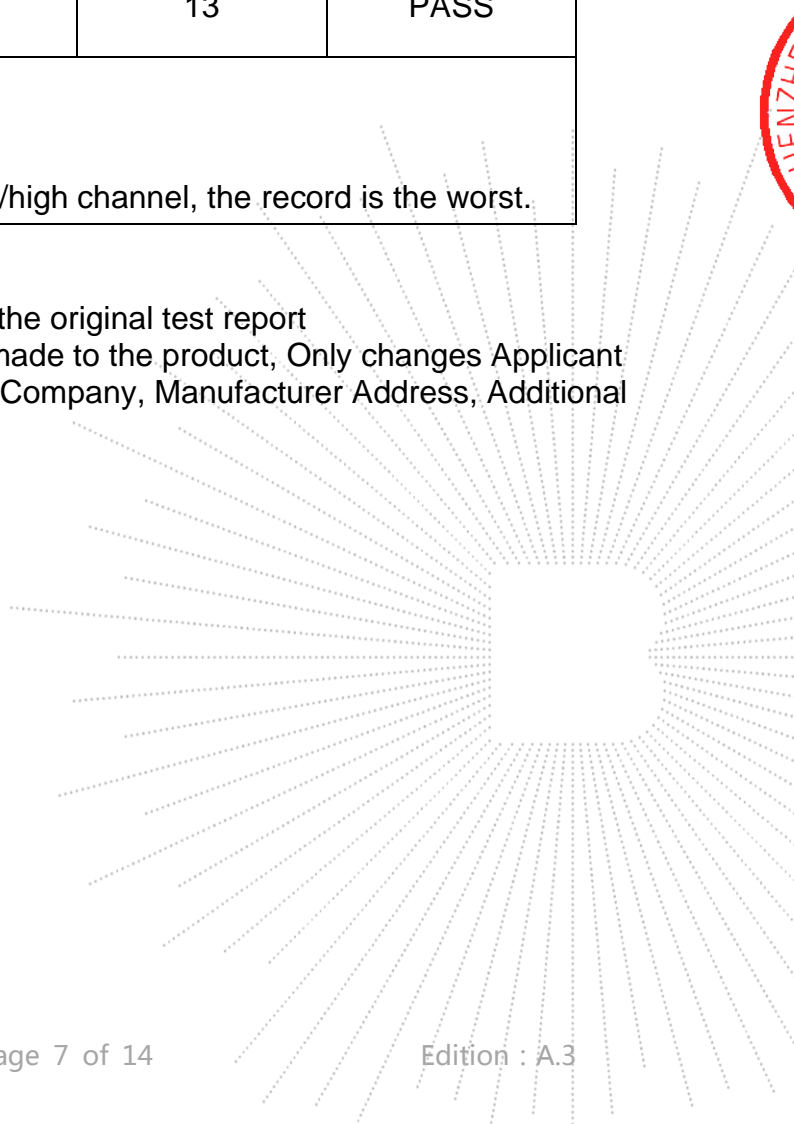
Exposure tier	Region of body	Exclusion level P_{max}
General public	Head and trunk	20mW(13dBm)
General public	Limbs	40mW(16dBm)

3.2 Exposure Evaluation

Mode	The worst e.i.r.p. (dBm)	Pmax(dBm)	Result
Bluetooth Classic(EDR)	2.32	13	PASS
Remark: 1, refer to RF test report for e.i.r.p. 2, After performed the test at low/middle/high channel, the record is the worst.			

Mode	The worst e.i.r.p. (dBm)	Pmax(dBm)	Result
Bluetooth Classic(BLE)	3.15	13	PASS
Remark: 1, refer to RF test report for e.i.r.p. 2, After performed the test at low/middle/high channel, the record is the worst.			

Remark: Based on the following changes in the original test report (BCTC2105800051-1E), No changes were made to the product, Only changes Applicant Company, Applicant Address, Manufacturer Company, Manufacturer Address, Additional models.

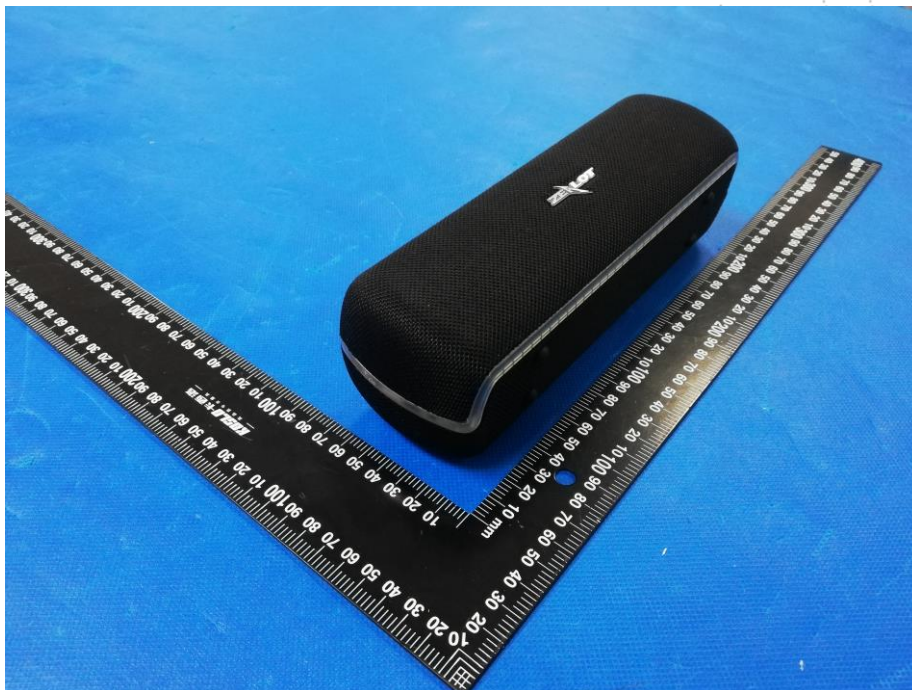


4. EUT PHOTOGRAPHS

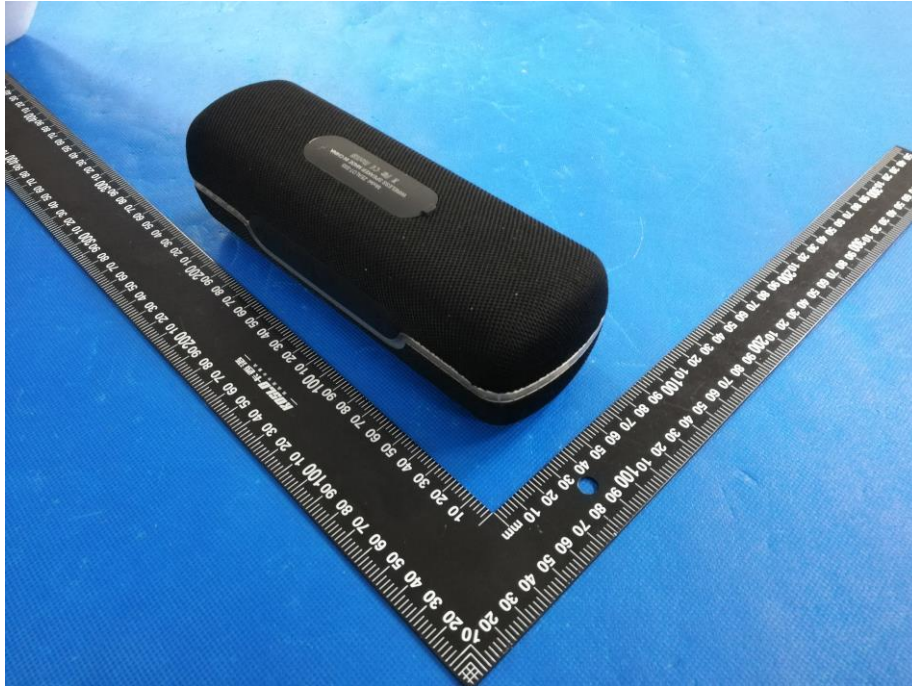
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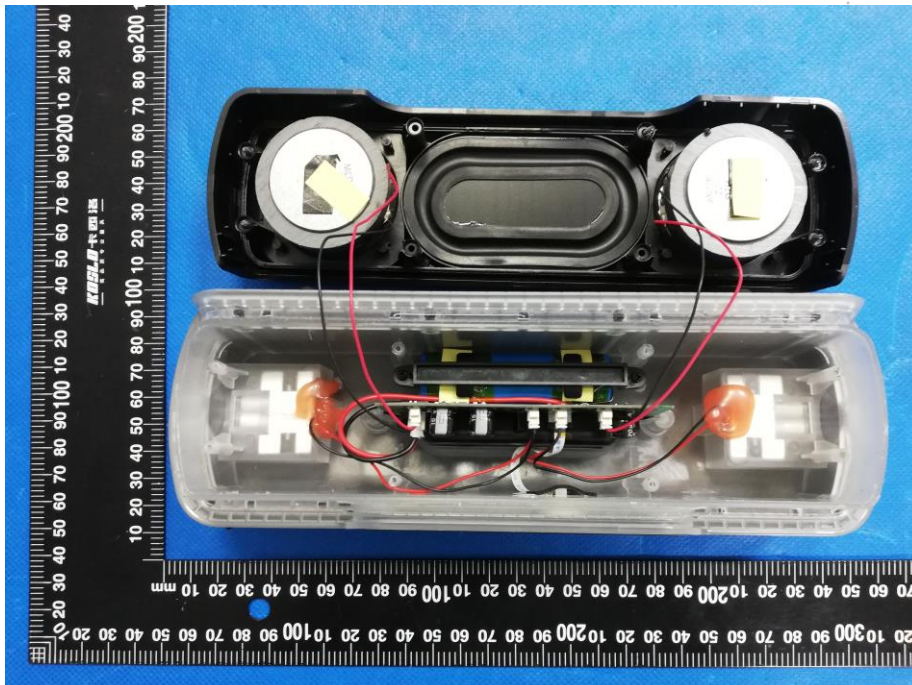
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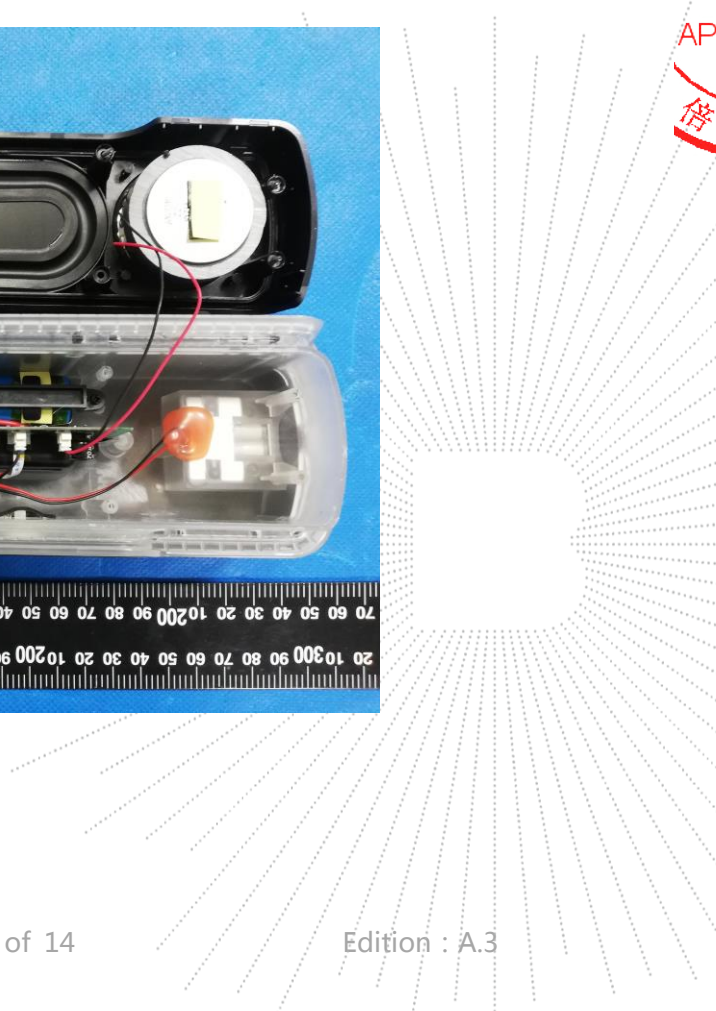
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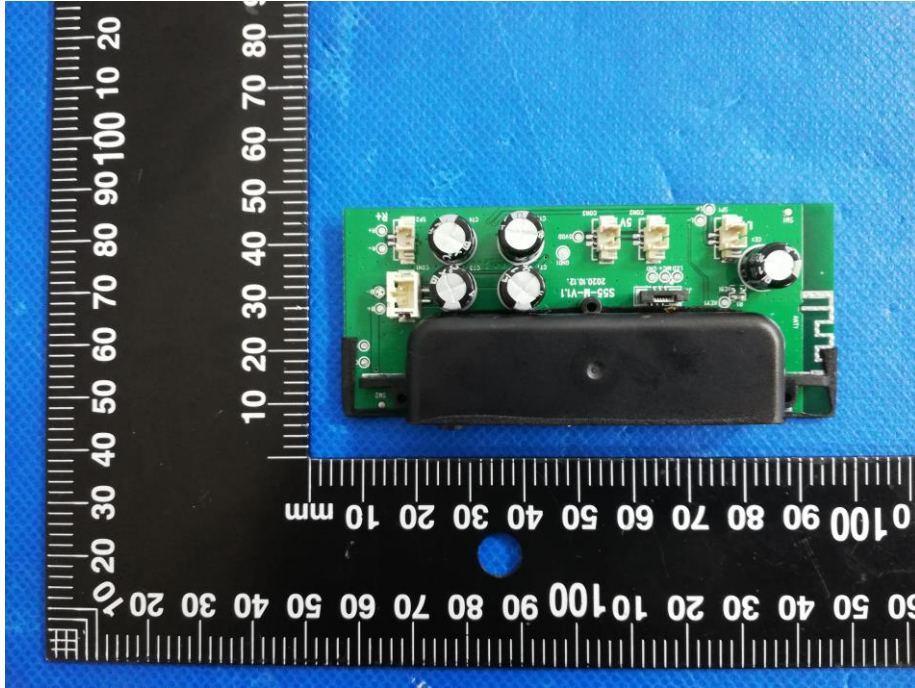
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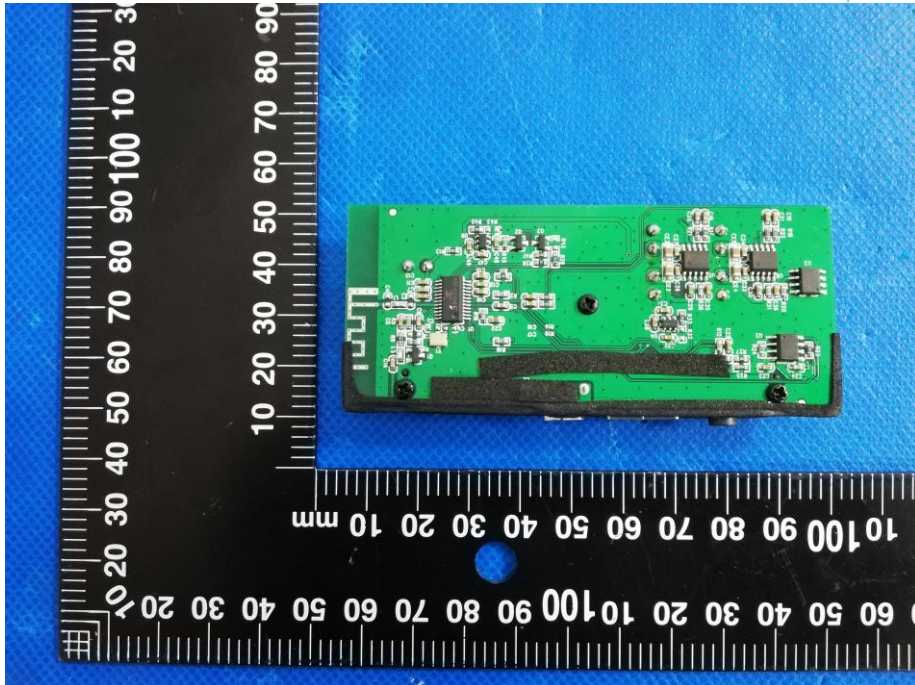
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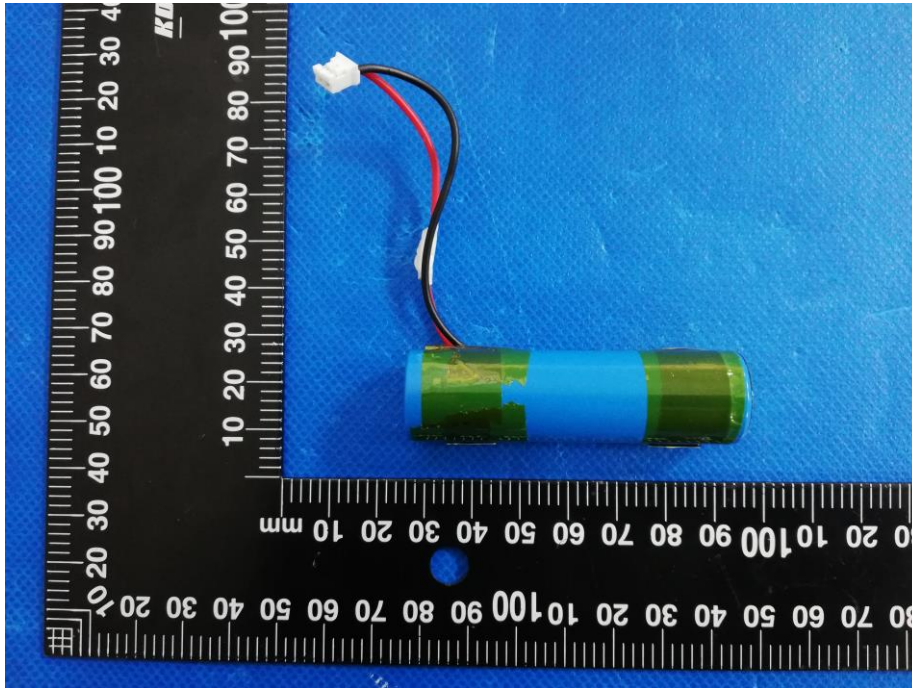


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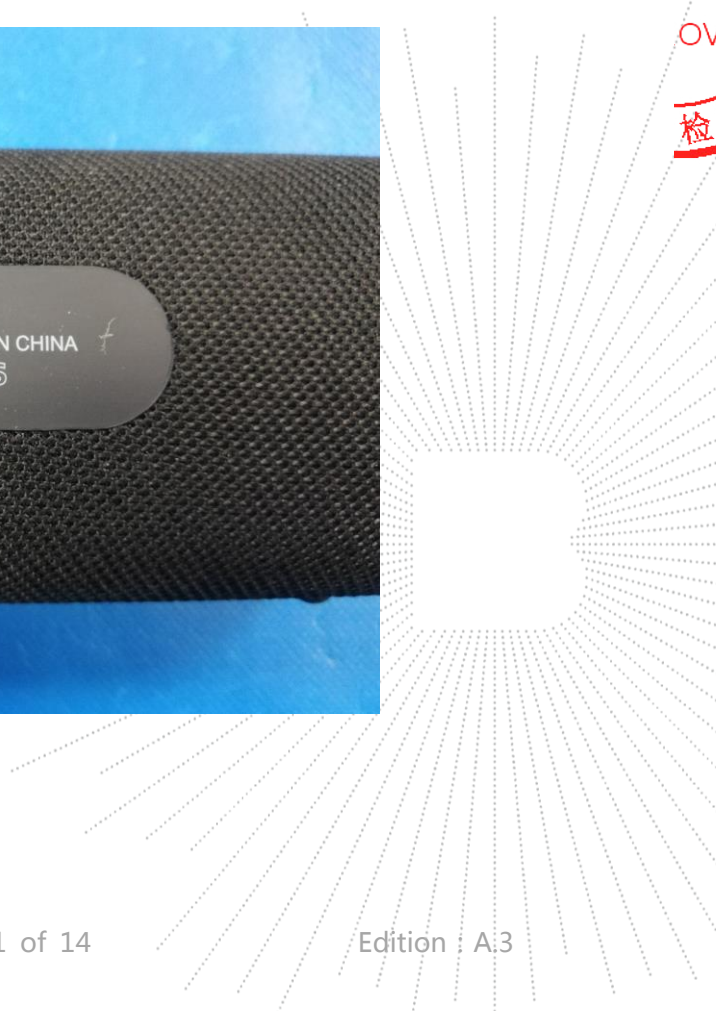
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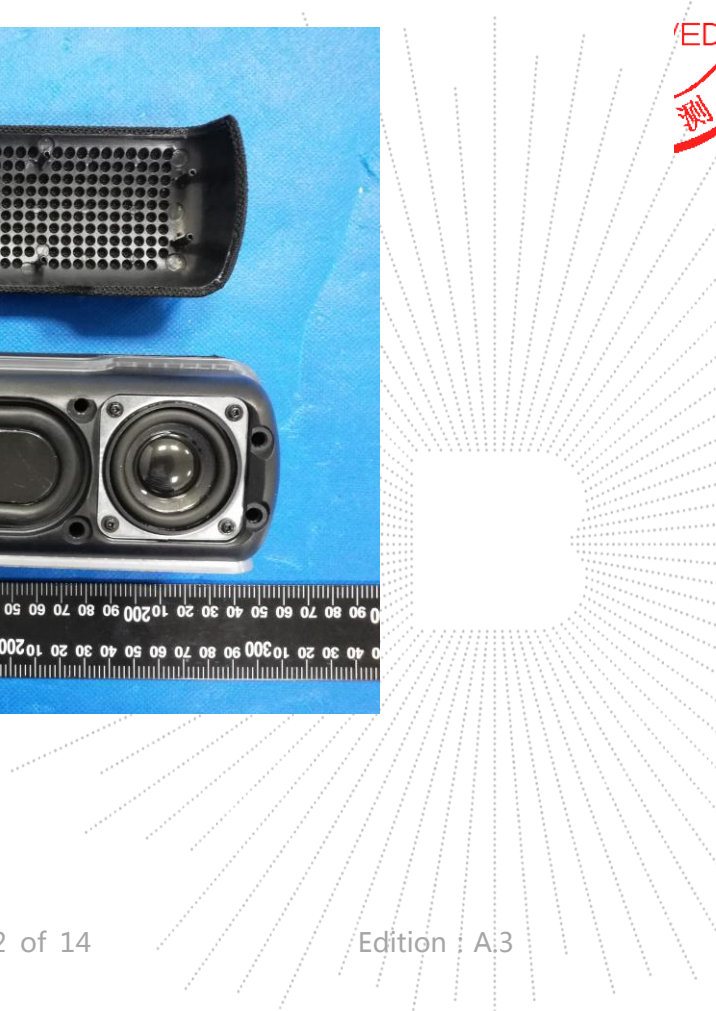
EUT Photo 9



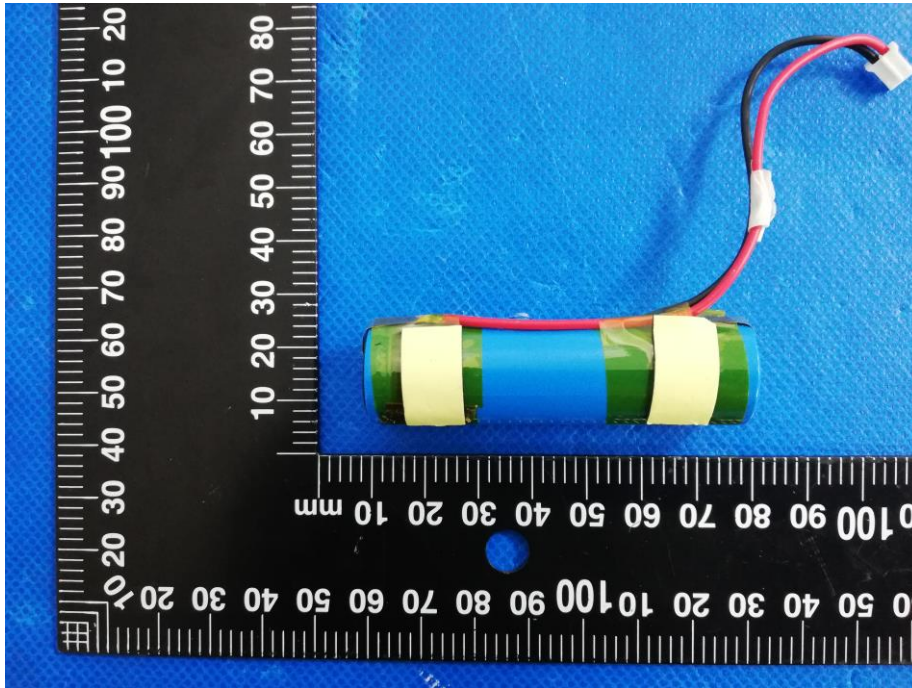
EUT Photo 10



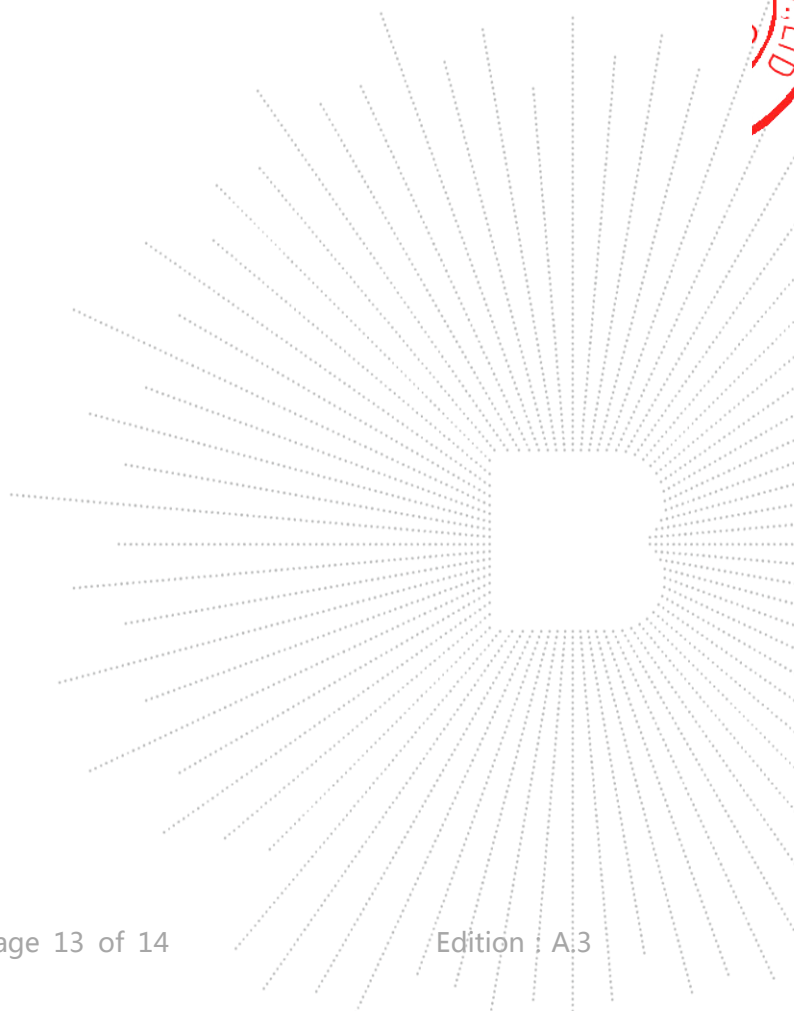
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STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The test report without CMA mark is only used for scientific research, teaching, enterprise product development and internal quality control purposes.
8. The quality system of our laboratory is in accordance with ISO/IEC17025.
9. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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