



# **FCC TEST REPORT** FCC ID: 2A7UBR40

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Product	:	COMPUTER SPEAKER			
Model Name		R40, R50, R60, R70, R80, M20, M30, M40, M50, M60, M70			
Brand		Soulion, Audiobox, Jeecoo			
Report No.	:	PTC22042804301E-FC02			
Prepared for					

NINGBO NINHUA INTERNATIONAL CO.,LTD

	·
No.755 Liyuan North Road, Room 535,	Haishu District, Ningbo Zhejiang

# Prepared by

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#### **TEST RESULT CERTIFICATION**

Applicant's name : NINGBO NINHUA INTERNATIONAL CO.,LTD

Address : No.755 Liyuan North Road, Room 535, Haishu District, Ningbo

Zhejiang

Manufacture's name : Shenzhen Jeecoo Fashion Technology Co., Ltd.

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Street. Longhua Distrct Shenzhen.

Product name : COMPUTER SPEAKER

Model name : R40, R50, R60, R70, R80, M20, M30, M40, M50, M60, M70

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

Test Date : Jun. 19, 2022 to Jul. 19, 2022

Date of Issue : Jul. 19, 2022

Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

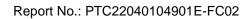
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Test Engineer:

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# **Contents**

	Page
2 TEST SUMMARY	4
3 GENERAL INFORMATION	5
3.1 GENERAL DESCRIPTION OF E.U.T	5
4 RF EXPOSURE	6
4.1 REQUIREMENTS	6
4.2 THE PROCEDURES / LIMIT	6
4.3 MPE CALCULATION METHOD	7
4 4 Test Result	7



# 2 Test Summary

Test Items	Test Requirement	Result		
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS		
Remark:				
N/A: Not Applicable				



# **3 General Information**

# 3.1 General Description of E.U.T.

Product Name	: COMPUTER SPEAKER				
Model Name	: R40				
Additional model	R50, R60, R70, R80, M20, M30, M40, M50, M60, M70				
Specification	BT 5.1 BDR+EDR				
Operation Frequency	: 2402-2480MHz				
Number of Channel	: 79 channels for BDR+EDR				
Type of Modulation	: GFSK, Π/4-DQPSK,8DPSK For DSS				
Antenna installation	: PCB antenna				
Antenna Gain	: -0.58 dBi				
Rated Power Supply	: Input: DC 5V/1A				
Test Power Supply	: AC 120V/60Hz				
Hardware Version	: N/A				
Software Version	: N/A				



### 4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

#### 4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

#### 4.2 The procedures / limit

#### (A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

#### (B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
	21.0	0.073		
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz; \*Plane-wave equivalent power density



#### 4.3 MPE Calculation Method

 $E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d}$  Power Density: Pd (W/m²) =  $\frac{E^2}{377}$ 

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

#### 4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	•	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
EDR	0.87	-21.3	-21.3±1	0.009333	0.000002	1	Pass

\*\*\*\*\*\*THE END REPORT\*\*\*\*\*