



Report No.: PTC22040104901E-FC02

FCC TEST REPORT

FCC ID: 2A7UBR40

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		
Precise Testing & Certification Co., Ltd		
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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.

Address : D1526 Lexi Building Minle industrial Zone, Meiban Avenue. Minzhi
Street. Longhua District 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:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Ronnie Liu'.

Ronnie Liu / Manager



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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, $\pi/4$ -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
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

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

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

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

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)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
EDR	0.87	-21.3	-21.3 ± 1	0.009333	0.000002	1	Pass

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