FCC RF EXPOSURE REPORT

Applicant	:	KREAFUNK APS
Address of Applicant	:	Klamsagervej 35 A, st.8230 Abyhoj,Denmark
Manufacturer	:	SHENZHEN RUNXINFENG TECHNOLOGY CO.,LTD
Address of Manufacturer	:	Building A6, 1st Floor, Nanpu Road, Xinqiao Street, Bao'an District, Shenzhen City, Guangdong Province, China
Equipment under Test	:	Bluetooth speaker
Model No.	:	Roar
FCC ID	:	2ACVC-ROAR
Test Standard(s)	:	KDB447498 D01 General RF Exposure Guidance v06
Report No.	:	DDT-RE24010331-10E02
Issue Date	:	2024/03/14
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd.
Address of Laboratory	:	Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Guangdong Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Guangdong Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No.:	DDT-RE24010331-10E02		
Date of Receipt:	2024/02/02	**Date of Test:**	2024/02/02--2024/03/13

Prepared By:

Jacky Huang

Jacky Huang/Engineer

Approved By:

Damon Hu

Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/03/14	

1. General Information

1.1. Description of equipment

EUT Name	:	Bluetooth speaker
Model Number	:	Roar
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 5V from external AC Adapter or DC 3.7V Polymer Li-ion built-in battery
Hardware Version	:	/
Software Version	:	/

Radio Specification	:	Bluetooth BR/EDR
Operation Frequency	:	2402 MHz-2480 MHz
Modulation	:	GFSK, p/4-DQPSK, 8DPSK

Antenna information		
Antenna Type	:	PCB antenna
Max Antenna Gain (dBi)	:	-0.58

1.2. Assess laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Unit 2, Building 1, No.17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Manufacturing Tolerance

BT

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0.18	0.61	0.79
Tolerance ±(dB)	1.50	1.50	1.50
π/4DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	0.63	1.13	1.36
Tolerance ±(dB)	1.50	1.50	1.50
8DPSK (Peak)			
Channel	Channel	Channel	Channel
Target (dBm)	1.13	1.52	1.69
Tolerance ±(dB)	1.50	1.50	1.50

Estimation Result

Worse case is as below: [2480 MHz, 3.19 dBm, (2.08 mW) output power]

(2.08/5) *·[√2.480(GHz)] = 0.66 < 3.0 for 1-g SAR

Then SAR evaluation is not required.

END OF REPORT