

RF EXPOSURE REPORT

FOR

Applicant	:	Shenzhen hanker Technology Co., Ltd
Address	:	Meipeng SKY311, Zhongxing Road, Longgang District, Shenzhen, Guangdong, China, 518116
Equipment under Test	:	PORTABLE BLUETOOTH SPEAKER
Model No.	:	M31, RY-BS010, RY-BS020, RY-BS030, RY-BS100, RY-BS200
Trade Mark	:	NA
FCC ID	:	2A2QG-RY-BS010
Manufacturer	:	Shenzhen hanker Technology Co., Ltd
Address	:	Meipeng SKY311, Zhongxing Road, Longgang District, Shenzhen, Guangdong, China, 518116

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

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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 Dongguan 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 Dongguan 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-R22081107-2E02		
Date of Receipt:	Aug. 16, 2022	Date of Test:	Aug. 16, 2022 ~ Aug. 25, 2022

Prepared By:

Jacky Huang

Jacky Huang/Engineer

Approved By:



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 Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 26, 2022	

1. General information

1.1. Description of Equipment

EUT* Name	: PORTABLE BLUETOOTH SPEAKER
Model Number	: M31, RY-BS010, RY-BS020, RY-BS030, RY-BS100, RY-BS200
Difference of models	: Above models are identical in schematic and structure, only the name is different for all the models. Therefore the test performed on the model M31.
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 5 V by external AC adapter or DC 7.4V built-in battery
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK
Data Rate	: 1 Mbps, 2 Mbps
Antenna Gain	: Maximum PK gain: 1.7 dBi
Sample Number	: S22081107-02 for conductive, S22081107-03 for radiation

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,
Guangdong Province, 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, 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 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

Worse case is as below: [2441MHz, 2.26dBm 1.68mW] output power]

$(1.68/5) \cdot [\sqrt{2.441(\text{GHz})}] = 0.525 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT