Report No.: DDT-R21022514-13E4

Issued Date: Apr. 21, 2021

RF EXPOSURE REPORT

FOR

Applicant	:	KREAFUNK APS
Address	:	Klamsagervej 35 A, st.8230 Åbyhøj, Denmark
Equipment under Test	:	Bluetooth Speaker
Model No.	:	aCUBE
Trade Mark	:	KREAFUNK
FCC ID	:	2ACVC-ACUBE
Manufacturer	:	Shenzhen Winnershine Electronics Co., Ltd
Address	:	101.32# Yuanhu Road, zhangbei community, LongCheng Street, LongGang district, Shenzhen

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

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

REPORT

Table of Contents

Test Report Declare

Applicant	:	KREAFUNK APS
Address	:	Klamsagervej 35 A, st.8230 Åbyhøj, Denmark
Equipment under Test	:	Bluetooth Speaker
Model No.	:	aCUBE
Trade mark	:	KREAFUNK
Manufacturer	:	Shenzhen Winnershine Electronics Co., Ltd
Address	:	101.32# Yuanhu Road, zhangbei community, LongCheng Street, LongGang district, Shenzhen

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-R21022514-13E4		
Date of Receipt:	Mar. 15, 2021	**Date of Test:**	Mar. 15, 2021 ~ Apr. 09, 2021

Prepared By: ***Approved By:***

Sam Li

Sam Li/Engineer ***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	Apr. 21, 2021	

1. General Information

1.1. Description of equipment

EUT* Name	:	Bluetooth Speaker
Model Number	:	aCUBE
EUT function description	:	Please reference user manual of this device
Power Supply	:	DC 5V by USB DC 3.7V by Polymer Li-ion built-in battery
Radio Specification	:	Bluetooth V5.0
Operation Frequency	:	2402 MHz - 2480 MHz
Modulation	:	GFSK, π/4-DQPSK, 8DPSK
Data Rate	:	1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	:	PCB antenna, maximum PK gain: 2.9 dBi
Serial Number	:	N/A

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 Registration No. CNAS L6451; A2LA Certificate Number: 3870.01;

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

Industry Canada Site Registration Number: 10288A-1; CAB identifier: CN0048

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

GFSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	3	3	3
Tolerance ±(dB)	1	1	1
π/4DQPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	5	5	5
Tolerance ±(dB)	1	1	1
8DPSK (Peak)			
Channel	Channel 0	Channel 39	Channel 78
Target (dBm)	5	5	5
Tolerance ±(dB)	1	1	1

Estimtion Result

Worse case is as below: [2480 MHz, 6 dBm, 3.98 mW) output power]

(3.98/5) ·[√2.480(GHz)] = 1.25 < 3.0 for 1-g SAR

Then SAR evaluation is not required

END OF REPORT