

RF EXPOSURE REPORT

FOR

Applicant	:	Altis Technology (Hong Kong) Ltd.
Address	:	Suite 711, Lu Plaza, 2 Wing Yip Street, Kwun Tong, Hong Kong
Equipment under Test	:	Bluetooth In-Ear Headphones
Model No.	:	CA130, CA131, CA132, CA133, CA134, CA135
Trade Mark	:	Cobra
FCC ID	:	2AHJMCA130
Manufacturer	:	Altis Technology (Hong Kong) Ltd.
Address	:	Suite 711, Lu Plaza, 2 Wing Yip Street, Kwun Tong, Hong Kong

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

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,
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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 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-RQ17101003-1E3		
Date of Test:	Oct. 10, 2017 ~ Oct. 30, 2017	Date of Report:	Oct. 30, 2017

Prepared By:

Sam Li

Sam Li/Engineer

Approved By:



Kevin Feng/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.

1. General information

1.1. Description of Equipment

EUT* Name	: Bluetooth In-Ear Headphones
Model Number	: CA130, CA131, CA132, CA133, CA134, CA135
Difference of Model	: All models are electrically identical, only the appearance and model No. are different .So we prepare CA130 for test only.
EUT function description	: Please reference user manual of this device
Power supply	: DC 5V from external AC ADAPTER DC 3.7V built-in battery
Radio Specification	: Bluetooth V4.1 (BDR/EDR/BLE)
Operation frequency	: 2402MHz -2480MHz
Modulation	: GFSK, $\pi/4$ QPSK, 8-DPSK
Data rate	: 1Mbps, 2Mbps, 3Mbps
Antenna Type	: Integrated chip antenna, maximum PK gain: 3.78dBi
Sample Type	: Series production

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: +86-0769-22891499 E-mail: ddt@dgddt.com <http://www.dgddt.com>

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v05

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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$$

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: [2480MHz, 4.65dBm (2.92mW) output power]

$$(2.92/5) \cdot [\sqrt{2.480(\text{GHz})}] = 0.920 < 3.0 \text{ for 1-g SAR}$$

Then SAR evaluation is not required

END OF REPORT