

MAXIMUM PERMISSIBLE EXPOSURE EVALUATION REPORT

Applicant: Shenzhen Compoka Electronic Technology Co., Ltd

Address: 4/5 F, Building B, Yi Shida Industrial Park, Xintang Village,
Guanlan Town, Shenzhen China

Product Name: Wireless Headphones

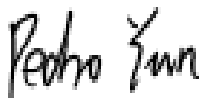
FCC ID: 2AA7X-HOPE

Standard(s): 47 CFR §1.1310, 47 CFR §2.1093, 47 CFR §15.247(i)

Report Number: 2402A107822E-RF-00C

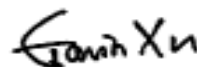
Report Date: 2024/12/20

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).



Reviewed By: Pedro Yun

Title: Project Engineer



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GENERAL INFORMATION

General Description Of Equipment under Test

EUT Name:	Wireless Headphones
EUT Model:	Hope
Rated Input Voltage:	DC 3.7V from battery
EUT Received Date:	2024/12/2
EUT Received Status:	Good

RF EXPOSURE EVALUATION (MPE)

SAR EVALUATION

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 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

- $f(\text{GHz})$ 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
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

The max conducted power including tune-up tolerance is 2.5 dBm (1.78 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= (1.78/5) \cdot (\sqrt{2.480}) = 0.6 < 3.0$

Note: the max conducted power including tune-up tolerance was declared by manufacturer.

Result: Compliant. The stand-alone SAR evaluation is not necessary.

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402A107822E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402A107822E-RF-INP EUT INTERNAL PHOTOGRAPHS.

******* END OF REPORT *******