

MAXIMUM PERMISSIBLE EXPOSURE EVALUATION REPORT

Applicant: ShenZhen Lighkeep Co., Limited

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Product Name: Wireless Headset

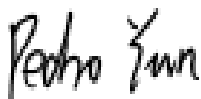
FCC ID: 2BD8E-NC95

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

Report Number: 2402Z106145E-RF-00C

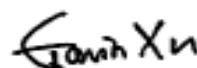
Report Date: 2024/12/17

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

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1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

EUT Name:	Wireless Headset
EUT Model:	NC95
Multiple Model:	NC95 Pro, NC45, NC75, NC85
Rated Input Voltage:	DC 3.7V from battery or DC 5V from USB
EUT Received Date:	2024/11/25
EUT Received Status:	Good
Note: The multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

2. RF EXPOSURE EVALUATION

2.1 SAR EVALUATION

2.1.1 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.

2.1.2 Measurement Result

For BT:

The max conducted power including tune-up tolerance is 1.0 dBm (1.26 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= (1.26/5) \cdot (\sqrt{2.480}) = 0.4 < 3.0$

For BLE:

The max conducted power including tune-up tolerance is 0 dBm (1 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= (1/5) \cdot (\sqrt{2.480}) = 0.3 < 3.0$

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 2402Z106145E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402Z106145E-RF-INP EUT INTERNAL PHOTOGRAPHS.

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