



Test Report

Report No.: RKEYS251023704

Date: Oct.23, 2025

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RF EXPOSURE EVALUATION REPORT

for

Product: OWS Bluetooth Headset

Model:DH401B

FCC ID:2BCUQ-DH401B

Report No.: RKEYS251023704

Issued for

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1. TEST CERTIFICATION

Product: OWS Bluetooth Headset

Trade mark:



FCC ID: 2BCUQ-DH401B

Model: DH401B

Model List(s): /

Applicant : Fanvil Link Technology Co.,LTD

Address: 13th Floor, Building 2, Runzhi R&D Center, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

Manufacturer: Fanvil Link Technology Co.,LTD

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Applicable Standards: CFR 47, FCC Part 2.1093
KDB447498 D01 V06

The above equipment has been tested by Guangdong KEYS Testing Technology Co., Ltd. and found compliance with the requirements in the technical standards mentioned above. The test results presented in this report only relate to the product/system tested. The other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.



Prepared by:

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Approved by:

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2. GENERAL INFORMATION

2.1. General Description of E.U.T.

Product Name	OWS Bluetooth Headset
Model Name	DH401B
Specification	Bluetooth
Operating frequency	2402-2480MHz
Number of Channel	79
Antenna installation	Chip antenna
Antenna Gain	2.36dBi
Type of Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK

3. RF EXPOSURE EVALUATION

3.1. Requirement

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1

Standalone Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition(s), listed below, is (are) satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.²⁸ The minimum test separation distance defined in 4.1 f) is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander. To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified, typically in the SAR measurement or SAR analysis report, by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting are required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops and tablets, etc.²⁹

a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,³⁰ where

$f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz.

Power and distance are rounded to the nearest mW and mm before calculation³¹

The result is rounded to one decimal place for comparison

The values 3.0 and 7.5 are referred to as numeric thresholds in step b) 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 4.1 f) is applied to determine SAR test exclusion.

3.2. Tune-up Result

Test mode	Frequency (MHz)	Maximum Conducted Output Power(dBm)	Tune-up Power(dBm)
Bluetooth	2402	6.69	6 $\pm$ 1

3.3. Evaluation Result

Mode	Frequency (GHz)	Maximum Tune up Power (dBm)	Maximum Tune up Power (mW)	Antenna Distance (mm)	Result calculation	SAR Test Exclusion Threshold (Limit)	Result
Bluetooth	2.44	7	5.0119	5	1.5658	3	PASS

3.4. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 D01V06

****End of Report****