ACCREDITED
CERT #5473.01

Test Report No.:
FCC2023-0070-RF1

RF Test Report

FCC ID	:	**2AYXT61100002**
EUT	:	**Pod 4**
MODEL	:	**10504**
BRAND NAME	:	**Eight Sleep**
APPLICANT	:	**Eight Sleep Inc**
Classification of Test	:	**N/A**

CVC Testing Technology Co., Ltd.

Applicant	**Name: Eight Sleep Inc** **Address:212 W 35th Street, Floor 4, New York, NY 10123**
Manufacturer	**Name: BoShiJie Technology Co., Ltd** **Address:Boshijie Industrial Park, No. 1 Huifeng West Third Road, Zhongkai High-tech Zone, Huizhou City, Guangdong, China. 516006**
Equipment Under Test	**Product Name:Pod 4** **Model/Type:10504** **Brand Name: Eight Sleep** **Serial NO.: N/A** **Sample NO.:2-1**

Date of Receipt.	**2023.12.11**	Date of Testing	**2023.12.11～2024.01.30**

Test Specification	**Test Result**
FCC Part 2 (Section 2.1091) **KDB 447498 D04** **IEEE C95.3**	PASS

Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date: 2024.02.01**

Tested by:	Tested by:	Approved by:
Lu WeiJi	Xu ZhenFei	Chen HuaWen
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2023-0070-H	Original release	2024.02.01

1 GENERAL PRODUCT INFORMATION

PRODUCT	Pod4
BRAND	Eight Sleep
TEST MODEL	10504
ADDITIONAL MODEL	N/A
POWER SUPPLY	AC 100~240V
STANDARDS	FCC Part 2 (Section 2.1091)
	KDB 447498 D04
	IEEE C95.3

There are two types of power supplies

Power supply information		
No.	**Manufacturer**	**MODEL**
1	Megmeet	MAP400-24
2	Meanwell	EPP-400-24

2 RF EXPOSURE LIMITGENERAL INFORMATION

2.1 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.2 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (FCC)

(Option C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

RF SOURCE FREQUENCY (MHZ)	THRESHOLD ERP(W)
0.3 -1.34	$1{,}920\ R^2$
1.34 - 30	$3{,}450\ R^2F^2$
30 -300	$3.83\ R^2$
300-1500	$0.0128\ R^2F$
1500-100,000	$19.2R^2$

2.3 CALCULATION RESULT OF MAXIMUM EIRP

The measured Maximum EIRP

Mode	Maximum EIRP(dBm)
BT-LE	1.90
2.4G WIFI	21.21
5.1G WIFI	12.01
5.8G WIFI	17.58

The tuned EIRP (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
BT-LE	2402-2480	2	±1	1	3
2.4G WIFI	2412-2472	21	±1	20	22
5.1G WIFI	5180-5240	12	±1	11	13
5.8G WIFI	5745-5825	17	±1	16	18

MAXIMUM PERMISSIBLE EXPOSURE (FCC)

Mode	Frequency (MHz)	R (cm)	EIRP (dBm)	ERP (dBm)	ERP (W)	Threshold ERP(W)	ERP/ Threshold ERP(Ratios)
BT-LE	2402-2480	20	3	0.85	0.0012	0.77	0.002
2.4G WIFI	2412-2472	20	22	19.85	0.0966	0.77	0.125
5.1G WIFI	5180-5240	20	13	10.85	0.0122	0.77	0.016
5.8G WIFI	5745-5825	20	18	15.85	0.0385	0.77	0.050
This device can operate simultaneously in BT and WIFI.(Ratio)							0.127

Note1: ERP=EIRP-2.15dB

Conclusion:

Therefore, the worst-case situation is 0.127(Sum of Ratios), which is less than “1”. This confirmed that the device compliance with FCC RF exposure requirements..

------ End of the Report ------

Important

(1) The test report is valid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of Approval and Reviewer;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days.

(6) Generally, commission test is responsible for the tested samples only.

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.

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