



# RF Exposure Evaluation

## FCC ID: 2BQHU-HUB1

Product	:	sweetmyo
Model Name	:	Hub1
Brand	:	N/A
Report No.	:	PTC24090515101E-FC02

### Prepared for

Sweetmyo Inc

8 The Green Suite B, Dover, DE 19901

### Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.



## TEST RESULT CERTIFICATION

Applicant's name : Sweetmyo Inc  
Address : 8 The Green Suite B, Dover, DE 19901  
Manufacture's name : Shenzhen Zhishang communication Co., LTD  
Address : 5th Floor, Building D, Donghua Zhizao Park, 5003 Baoan Avenue, Baoan District, Shenzhen  
Product name : sweetmyo  
Model name : Hub1  
Test procedure : FCC CFR47 Part 1.1307(b)(1)  
Test Date : Mar. 04, 2025 to Apr. 28, 2025  
Date of Issue : Apr. 29, 2025  
Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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## 2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		

### 2.1 Test Site

Precise Testing & Certification Co., Ltd

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A

FCC Designation Number: CN1219

### 2.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	±1.0dB
Power Spectral Density, conducted	±2.2dB
Radio Frequency	± 1 x 10 <sup>-6</sup>
Bandwidth	± 1.5 x 10 <sup>-6</sup>
Time	±2%
Duty Cycle	±2%
Temperature	±1°C
Humidity	±5%
DC and low frequency voltages	±3%
Conducted Emissions (150kHz~30MHz)	±3.64dB
Radiated Emission(9kHz~30MHz)	±3.15dB
Radiated Emission(30MHz~1GHz)	±5.03dB
Radiated Emission(1GHz~25GHz)	±4.74dB



### 3 General Information

#### 3.1 General Description of E.U.T.

Product	:	sweetmyo
Model Name	:	Hub1
Specification	:	BT BLE
Operating frequency	:	2402-2480MHz
Modulation	:	GFSK
Number of Channel	:	40 channels
Antenna installation	:	PCB antenna
Antenna Gain	:	1.32 dBi
Power supply	:	DC 3.7V li-ion battery or DC 5V via adapter
Hardware Version	:	V.0
Software Version	:	V1.0
Test sample No.	:	PTC24090515101E-EM01-1/2, PTC24090515101E-EM01-2/2.



## 4 RF Exposure

### 4.1 Requirements

Test Requirement : FCC Part 15.247(i) and 1.1307b(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

### 4.2 The procedures / limit

The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz at test separation distances  $\leq$  50mm are determined by:

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

- $f(\text{GHz})$  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.

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50mm and for transmission frequencies between 100MHz and 6GHz. When the minimum test separation distance is  $< 5\text{mm}$ , a distance of 5mm is applied to determine SAR test exclusion

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.



#### 4.3 Test Result

Channel (MHz)	Maximum output power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Distance (mm)	Calculation results	Limit	Operating Mode
2402	0.44	0.44±1	1.393	5	0.432	3	BLE_1M

**Remark:**

1. Calculate in the worst-case mode.
2. Max. Tune Up Power is declared by manufacturer, and used to calculate.

\*\*\*\*\*THE END REPORT\*\*\*\*\*