

## RF Exposure Evaluation Report

<b>Report Reference No.</b> .....	: <b>MTEB24010325 -H</b>	
<b>FCC ID</b> .....	: <b>2BEUS-MH04</b>	
Compiled by ( position+printed name+signature)...	File administrators Alisa Luo	
Supervised by ( position+printed name+signature)...	Test Engineer Sunny Deng	
Approved by ( position+printed name+signature)...	Manager Yvette Zhou	
Date of issue.....	: <b>January 31,2024</b>	
<b>Representative Laboratory Name. : Shenzhen Most Technology Service Co., Ltd.</b>		
Address.....	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.	
<b>Applicant's name..... : Shenzhen Fuyou Information Technology Co., Ltd.</b>		
Address.....	4th Floor, 435, Innovation Plaza, Zhihui Valley, Minzhi Street, Longhua District, Shenzhen, Guangdong Province, China.	
<b>Test specification/ Standard..... : 47 CFR Part 1.1307</b>		
<b>47 CFR Part 2.1093</b>		
TRF Originator.....	Shenzhen Most Technology Service Co., Ltd.	
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<b>Test item description</b> .....	Helmet Headphones	
Trade Mark.....	N/A	
Model/Type reference.....	MH04	
Listed Models .....	MH04-1,MH04-2,MH04-3,MH04-4,MH04-6	
Modulation Type.....	GFSK, π/4DQPSK	
Operation Frequency.....	From 2402MHz to 2480MHz	
Hardware Version.....	V1.0	
Software Version.....	V1.0	
Rating.....	DC 5V by USB Port DC 3.7V by Battery	
Result.....	PASS	

**TEST REPORT**

Equipment under Test : Helmet Headphones

Model /Type : MH04

Listed Models : MH04-1,MH04-2,MH04-3,MH04-4,MH04-6

Remark 1 : Difference in model names

Applicant : **Shenzhen Fuyou Information Technology Co., Ltd.**

Address : 4th Floor, 435, Innovation Plaza, Zhihui Valley, Minzhi Street,  
Longhua District, Shenzhen, Guangdong Province, China.

Manufacturer : **Yiwu City Yifei Electronic Technology Co., Ltd.**

Address : 204, Building 37, Unit 5, Shangshe Village Area, Gansanli Street,  
Yiwu City, Jinhua City, Zhejiang Province, China.

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2024.01.31	Initial Issue	Alisa Luo

## 2. SAR Evaluation

### 2.1 RF Exposure Compliance Requirement

#### 2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

##### 4.3.1. 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 Exclusion Threshold condition, listed below, is satisfied.

#### 2.1.2 Limits

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

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

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

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BT classic

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	2.358	2.358 ± 1	3.358
Middle(2441MHz)	0.251	0.251 ± 1	1.251
Highest(2480MHz)	0.416	0.416 ± 1	1.416

π /4DQPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	0.458	0.458 ± 1	1.458
Middle(2441MHz)	1.085	1.085 ± 1	2.085
Highest(2480MHz)	1.246	1.246 ± 1	2.246

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Lowest(2402MHz)	2.358	3.358	2.17	0.67	3.0	Yes

.....THE END OF REPORT.....