

## RF Exposure Evaluation Report

**Product** : Foldable Cat Ear Wireless Headset with LED Light  
**Trade mark** : MINISO  
**Model/Type reference** : H06  
**Serial Number** : N/A  
**Report Number** : EED32O80238303  
**FCC ID** : 2ART4-H06  
**Date of Issue** : Apr. 01, 2022  
: 47 CFR Part 1.1307  
: 47 CFR Part 2.1093  
**Test Standards** : KDB447498D01 General RF Exposure Guidance v06  
**Test result** : PASS

Prepared for:

**MINISO Corporation**

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Liwan District, Guangzhou, Guangdong, China**

Prepared by:

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## 1 Version

Version No.	Date	Description
00	Apr. 01, 2022	Original

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### 3 General Information

#### 3.1 Client Information

Applicant:	MINISO Corporation
Address of Applicant:	Room 2501, 25th floor, No.486 Heye Square, Kangwang Middle Road, Liwan District, Guangzhou, Guangdong, China
Manufacturer:	KYM Technology Co., Ltd
Address of Manufacturer:	1001-01, No.1, Kanghuai Industrial Park, No.60 Ping'an Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China
Factory:	KYM Technology Co., Ltd
Address of Factory:	1001-01, No.1, Kanghuai Industrial Park, No.60 Ping'an Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China

#### 3.2 General Description of EUT

Product Name:	Foldable Cat Ear Wireless Headset with LED Light		
Mode No.:	H06		
Trade mark:	MINISO		
EUT Supports Radios application:	Bluetooth 5.1 dual mode: 2402-2480MHz		
Bluetooth Version:	V5.1		
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location		
Power Supply:	Battery:	DC 3.7V	
	USB Port:	DC 5.0V	
Test Voltage:	DC 3.7V		
Sample Received Date:	Feb. 24, 2022		
Sample tested Date:	Feb. 23, 2022 to Mar. 16, 2022		
Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. Model No.: H06 This product comes in two colors, one is blue and the other is pink. Only the blue was tested, since the electrical circuit design, layout, components used and internal wiring were identical for them, with difference being color of appearance.			

#### 3.3 General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	<input checked="" type="checkbox"/> 1Mbps <input type="checkbox"/> 2Mbps
Number of Channel:	40
Antenna Type:	Internal Antenna
Antenna Gain:	0 dBi

### 3.4 General Description of BT Classic

Operation Frequency:	2402MHz~2480MHz
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	Internal Antenna
Antenna Gain:	0 dBi

### 3.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

### 3.6 Deviation from Standards

None.

### 3.7 Abnormalities from Standard Conditions

None.

### 3.8 Other Information Requested by the Customer

None.

## 4 SAR Evaluation

### 4.1 RF Exposure Compliance Requirement

#### 4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06  
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.

#### 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:

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

f(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

## 4.1.2 EUT RF Exposure

### 1) For BLE

#### Measurement Data

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.57	-2.0±1	-1.0	0.794
Middle(2440MHz)	-0.8	-1.5±1	-0.5	0.891
Highest(2480MHz)	<b>-0.09</b>	-1.0±1	0	1.000

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune- up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	-1.57	-2.0±1	-1.0	0.794	0.246	3.0
Middle (2440MHz)	-0.8	-1.5±1	-0.5	0.891	0.278	
Highest (2480MHz)	<b>-0.09</b>	-1.0±1	0	1.000	0.315	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32O80238301.

## 2) For BT Classic

### Measurement Data

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.52	-2.50±1	-1.50	0.708
Middle(2441MHz)	-0.67	-1.50±1	-0.50	0.891
Highest(2480MHz)	-0.05	-1.00±1	0	1.000
π/4DQPSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.74	-1.50±1	-0.50	0.891
Middle(2441MHz)	0	-1.0±1	0	1.000
Highest(2480MHz)	<b>0.73</b>	0±1	1.00	1.259

Worst case: π/4DQPSK mode						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	-0.74	-1.50±1	-0.50	0.891	0.276	3.0
Middle (2441MHz)	0	-1.0±1	0	1.000	0.312	
Highest (2480MHz)	<b>0.73</b>	0±1	1.00	1.259	0.397	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32O80238302.



## **PHOTOGRAPHS OF EUT Constructional Details**

Refer to Report No. EED32O80238301 for EUT external and internal photos.

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\*\*\* End of Report \*\*\*