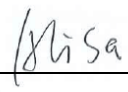

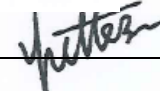


## RF Exposure Evaluation Report

<b>Report Reference No.</b> .....:	<b>MTEB24070408-H</b>	
<b>FCC ID</b> .....:	<b>2A9MI-P20</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>July 26,2024</b>	
<b>Representative Laboratory Name .:</b> <b>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 .....</b> <b>Shenzhen Yixi Technology Co., LTD</b>		
Address .....	Second Floor, Building B, Area A, Longquan Science Park, Dalang Huaxing Road, Longhua District, Shenzhen City,China	
<b>Test specification/ Standard .....</b> <b>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>	<b>HELMET WIRELESS EARPHONE</b>	
Trade Mark .....	N/A	
Model/Type reference.....:	P20	
Listed Models .....	P20X、P20-X、P20-2X	
Modulation Type .....	GFSK, π/4DQPSK, 8DPSK	
Operation Frequency.....:	From 2402MHz to 2480MHz	
Hardware Version.....	V3.0	
Software Version .....	V1.3	
Rating .....	DC 3.7V by Battery DC 5V by USB Port	
Result.....:	PASS	

**TEST REPORT**

Equipment under Test : HELMET WIRELESS EARPHONE

Model /Type : P20

Listed Models : P20X、 P20-X、 P20-2X

Remark : Only the model name is different, other designs are the same

Applicant : **Shenzhen Yixi Technology Co., LTD**

Address : Second Floor, Building B, Area A, Longquan Science Park, Dalang  
Huaxing Road, Longhua District, Shenzhen City,China

Manufacturer : **Shenzhen Yixi Technology Co., LTD**

Address : Second Floor, Building B, Area A, Longquan Science Park, Dalang  
Huaxing Road, Longhua District, Shenzhen City,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	2024.07.26	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:

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

$f(\text{GHz})$  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)	2.183	2.183 ± 1	3.183
Middle(2441MHz)	2.503	2.503 ± 1	3.503
Highest(2480MHz)	1.882	1.882 ± 1	2.882

π /4DQPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	3.094	3.094 ± 1	4.094
Middle(2441MHz)	3.394	3.394 ± 1	4.394
Highest(2480MHz)	2.795	2.795 ± 1	3.795

8DPSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	0.114	0.114 ± 1	1.114
Middle(2441MHz)	0.366	0.366 ± 1	1.366
Highest(2480MHz)	-0.285	-0.285 ± 1	0.715

Worst case: π /4DQPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Middle(2441MHz)	3.394	4.394	2.75	0.86	3.0	Yes

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