

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Report Reference No...... MTEB23040071-R

FCC ID.....: 2A9MI-Y10

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...... April 11,2023

Representative Laboratory Name.: Shenzhen Most Technology Service Co., Ltd.

Nanshan, Shenzhen, Guangdong, China.

Applicant's name...... Shenzhen Yixi Technology Co., LTD

Address..... Second Floor, Building B, Area A, Longquan Science Park, Dalang

Huaxing Road, Longhua District, Shenzhen City

Test specification/ Standard...........: 47 CFR Part 1.1307

47 CFR Part 2.1093

TRF Originator...... Shenzhen Most Technology Service Co., Ltd.

Shenzhen Most Technology Service Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Most Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Most Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description...... Helmet Bluetooth headset

Modulation Type...... GFSK, $\pi/4DQPSK$, 8DPSK

Operation Frequency.....: From 2402MHz to 2480MHz

Hardware Version......Y10-MV1.5

Software Version...... V1.5

Rating..... DC 3.7V(by battery)

DC 5V(by USB)

Result..... PASS

Report No.: MTEB23040071-R Page 2 of 5

TEST REPORT

Equipment under Test : Helmet Bluetooth headset

Model /Type : Y10

Applicant : Shenzhen Yixi Technology Co., LTD

Address : Second Floor, Building B, Area A, Longquan Science Park, Dalang

Huaxing Road, Longhua District, Shenzhen City

Manufacturer : Shenzhen Yixi Technology Co., LTD

Address : Second Floor, Building B, Area A, Longquan Science Park, Dalang

Huaxing Road, Longhua District, Shenzhen City

Test Result:	PASS
--------------	------

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.

Report No.: MTEB23040071-R Page 3 of 5

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.04.11	Initial Issue	Alisa Luo

Report No.: MTEB23040071-R Page 4 of 5

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 ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR and ≤ 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 calculation¹⁷

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 \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Report No.: MTEB23040071-R Page 5 of 5

2.1.3 EUT RF Exposure

Measurement Data

BT classic

B 1 0.000.0			
		GFSK	
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power
	(dBm)	(dBm)	(dBm)
Lowest(2402MHz)	-1.666	-1.666±1	-0.666
Middle(2440MHz)	-1.031	-1.031±1	-0.031
Highest(2480MHz)	-0.985	-0.985±1	0.015

		π /4DQPSK	
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power
	(dBm)	(dBm)	(dBm)
Lowest(2402MHz)	-1.728	-1.728±1	-0.728
Middle(2440MHz)	-1.004	-1.004±1	-0.004
Highest(2480MHz)	-1.016	-1.016±1	-0.016

		8DPSK	
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power
T est chamier	(dBm)	(dBm)	(dBm)
Lowest(2402MHz)	-1.704	-1.704±1	-0.704
Middle(2440MHz)	-1.011	-1.011±1	-0.011
Highest(2480MHz)	-1.010	-1.010±1	-0.010

		Worst	case: GFS	SK		
Channel	Maximum Peak Conducted Output	Maximun Pov	-	Calculated	Exclusion	SAR Test
	Power (dBm)	(dBm)	(mW)	value	threshold	Exclusion
Lowest (2402MHz)	-0.985	0.015	1.00	0.31	3.0	Yes

THE END OF REPORT
