

RF Exposure Evaluation Report				
Report Reference No	MTEB24100132-H 2A9MI-D3X			
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Approved by (position+printed name+signature):	Manager Yvette Zhou	Vatter		
Date of issue:	Oct.16, 2024	. Jo.		
Representative Laboratory Name. :	Shenzhen Most Technology Se	rvice Co., Ltd.		
Address:	No.5, 2nd Langshan Road, North Nanshan, Shenzhen, Guangdong			
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,China			
Test specification/ Standard	47 CFR Part 1.1307			
	47 CFR Part 2.1093			
TRF Originator		rice Co., Ltd.		
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Test item description:	HELMET WIRELESS EARPHON	E		
Trade Mark	N/A			
Model/Type reference:	D3X			
Listed Models	N/A			
Modulation Type	GFSK, π/4DQPSK, 8DPSK			
Operation Frequency	From 2402MHz to 2480MHz			
Hardware Version	V1.3			
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	:	D3X		
Listed Models	:	N/A		
Remark		N/A		
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		

Test Result:	PASS
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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. <u>Revision History</u>

Revision	Issue Date	Revisions	Revised By
00	2024.10.16	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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] \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 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 < 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 Powe (dBm)	Peak Output Power	Tune up tolerance	Maximum tune-up Power			
	(dBm)	(dBm)	(dBm)			
Lowest(2402MHz)	0.309	0.309 ± 1	1.309			
Middle(2441MHz)	0.500	0.500 ± 1	1.5			
Highest(2480MHz)	0.360	0.360 ± 1	1.36			

π /4DQPSK						
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power			
	(dBm)		(dBm)			
Lowest(2402MHz)	1.200	1.200 ± 1	2.2			
Middle(2441MHz)	1.442	1.442±1	2.442			
Highest(2480MHz)	1.252	1.252 ± 1	2.252			

8DPSK					
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power		
	(dBm)	(dBm)	(dBm)		
Lowest(2402MHz)	1.691	1.691 ± 1	2.691		
Middle(2441MHz)	1.858	1.858 ± 1	2.858		
Highest(2480MHz)	1.709	1.709 ± 1	2.709		

Worst case: 8DPSK						
Channel	Maximum Peak Conducted Output	Maximum tune-up Power		Calculated	Exclusion	SAR Test Exclusion
	Power (dBm)	(dBm)	(mW)	value threshold		
Middle(2441MHz)	1.858	2.858	1.93	0.60	3.0	Yes

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