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TEST REPORT

Report No. : CQASZ20260100039E-03

Applicant: Danyang Tianxi Intelligent Technology Co., Ltd.

Address of Applicant: No. 35, Airport Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu Province, China

Equipment Under Test (EUT):

EUT Name: Smart Glasses

Model No.: TX-08

Test Model No.: TX-08

Brand Name: 

FCC ID: 2BOTZ-TX-08

47 CFR Part 1.1307

Standards: 47 CFR Part 1.1310

KDB447498D01 General RF Exposure Guidance v06

Date of Receipt: 2026-01-04

Date of Test: 2026-01-04 to 2026-02-03

Date of Issue: 2026-3-12

Test Result : **PASS**

Tested By: Lewis Zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260100039E-03	Rev.01	Initial report	2026-3-12

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3. General Information

4. Client Information

Applicant:	Danyang Tianxi Intelligent Technology Co., Ltd.
Address of Applicant:	No. 35, Airport Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu Province, China
Manufacturer:	Danyang Tianxi Intelligent Technology Co., Ltd.
Address of Manufacturer:	No. 35, Airport Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu Province, China
Factory:	Danyang Tianxi Intelligent Technology Co., Ltd.
Address of Factory:	No. 35, Airport Road, Development Zone, Danyang City, Zhenjiang City, Jiangsu Province, China

5. General Description of EUT

Product Name:	Smart Glasses
Model No.:	TX-08
Test Model No.:	TX-08
Trade Mark:	
Software Version:	DA-2034-T08_20260119V0.1.3_TX-08
Hardware Version:	TX-08-LXMB-V1.0
Power Supply:	2*Li-ion battery DC 3.85V 75mAh, Charge by DC 5V for Charge box
Simultaneous Transmission	☒ Simultaneous TX is supported and evaluated in this report. ☐ Simultaneous TX is not supported.

6. General Description of BT

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK
Transfer Rate:	1Mbps/2Mbps
Number of Channel:	79
Module model:	BT8936D
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Chip antenna
Antenna Gain:	2.18dBi

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RF Exposure Evaluation

RF Exposure Compliance Requirement

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.

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:

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

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 ≤ 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

EUT RF Exposure

1) For BT(Left)

Measurement Data

Worst case: $\pi/4$ DQPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.73	2.0±1	3	2.00
Middle(2441MHz)	2.29	2.5±1	3.5	2.24
Highest(2480MHz)	2.04	2.5±1	3.5	2.24

Worst case: $\pi/4$ DQPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	2.00	0.618	3.0
Middle (2441MHz)	2.24	0.700	
Highest (2480MHz)	2.24	0.704	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100039E-01

2) For BT(Right)

Measurement Data

Worst case: $\pi/4$ DQPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.50	2.0 ± 1	3	1.995
Middle(2441MHz)	2.44	2.5 ± 1	3.5	2.239
Highest(2480MHz)	1.46	1.5 ± 1	2.5	1.778

Worst case: $\pi/4$ DQPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.995	0.618	3.0
Middle (2441MHz)	2.239	0.700	
Highest (2480MHz)	1.778	0.560	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100039E-01

Simultaneous transmission:

SAR Exclusion Threshold=

$[(\text{max. power of channel, including tune-up tolerance, mW}) /$

$(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

BT(Left)+BT(Right):

$= [(2.24\text{mW}/5\text{mm}) \cdot (\sqrt{2.48\text{GHz}/7.5})] / 1.6\text{W/kg} + [(2.239\text{mW}/5\text{mm}/7.5) \cdot (\sqrt{2.441\text{GHz}/7.5})] / 1.6\text{W/kg}$

$= 0.12 \leq 1$

*** END OF REPORT ***