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TEST REPORT

Report No. : CQASZ20260901998E-04
Applicant: Shenzhen Buzz Tech CO., LTD
Address of Applicant: 10th Floor, Guang Chang Bldg, 74#, BaoMin 1st Rd, Bao An Shenzhen,
Guangdong, China
Equipment Under Test (EUT):
EUT Name: AI SMART GLASSES
Model No.: L1, L1 Ultra, L1 Pro Max
Test Model No.: L1
Brand Name: N/A
FCC ID: 2AGFW-L1
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-09-15
Date of Test: 2026-09-15 to 2026-09-28
Date of Issue: 2026-10-8
Test Result : PASS

Tested By:

Azir Wang

(Azir Wang)

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
CQASZ20260901998E-04	Rev.01	Initial report	2026-10-8

Note:

Model No.: L1, L1 Ultra, L1 Pro Max

Their electrical circuit design, layout, components used and internal wiring are identical, Only the model number were different.

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3. General Information

4. Client Information

Applicant:	Shenzhen Buzz Tech CO., LTD
Address of Applicant:	10th Floor, Guang Chang Bldg, 74#, BaoMin 1st Rd, Bao An Shenzhen, Guangdong, China
Manufacturer:	Shenzhen Buzz Tech CO., LTD
Address of Manufacturer:	10th Floor, Guang Chang Bldg, 74#, BaoMin 1st Rd, Bao An Shenzhen, Guangdong, China
Factory:	Shenzhen Buzz Tech CO., LTD
Address of Factory:	10th Floor, Guang Chang Bldg, 74#, BaoMin 1st Rd, Bao An Shenzhen, Guangdong, China

5. General Description of EUT

Product Name:	AI SMART GLASSES
Model No.:	L1, L1 Ultra, L1 Pro Max
Test Model No.:	L1
Trade Mark:	N/A
Software Version:	L1_20260902_V1.6
Hardware Version:	XSX110-V02
Power Supply:	Li-ion battery DC 3.8V 290mAh, Charge by DC 5V for adapter
Simultaneous Transmission	☒ Simultaneous TX is supported and evaluated in this report. ☐ Simultaneous TX is not supported.

6. General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	1Mbps/2Mbps
Number of Channel:	40
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	Internal antenna
Antenna Gain:	0dBi

7. General Description of BT

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

Antenna Gain:	0dBi
8. General Description of 2.4G WIFI Classic	
Operation Frequency:	2412MHz~2462MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20) : OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channel:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels
Channel Separation:	5MHz
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps IEEE for 802.11n(HT20) : 6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps
Sample Type:	☐ Mobile ☒ Portable
Antenna Type:	Internal antenna
Antenna Gain:	0dBi

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:

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

$f(\text{GHz})$ 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

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)	0.68	1.0 $\pm$ 1	2.0	1.585
Middle(2441MHz)	0.15	0.5 $\pm$ 1	1.5	1.413
Highest(2480MHz)	-0.91	-0.5 $\pm$ 1	0.5	1.122

Worst case: $\pi/4$ DQPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.585	0.491	3.0
Middle (2441MHz)	1.413	0.441	
Highest (2480MHz)	1.122	0.353	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260901998E-01

2) For BLE

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-0.10	0.0±1	1.0	1.259
Middle(2440MHz)	-0.66	-0.5±1	0.5	1.122
Highest(2480MHz)	-1.64	-1.5±1	-0.5	0.891

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.259	0.390	3.0
Middle (2440MHz)	1.122	0.351	
Highest (2480MHz)	0.891	0.281	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260901998E-02

3) For 2.4G WIFI

Measurement Data

Worst case: 11B				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	7.07	7.5±1	8.5	7.079
Middle(2437MHz)	6.28	6.5±1	7.5	5.623
Highest(2462MHz)	5.74	6.0±1	7.0	5.012

Worst case: 11B			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2412MHz)	7.079	2.199	3.0
Middle (2437MHz)	5.623	1.757	
Highest (2462MHz)	5.012	1.579	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260901998E-03

Simultaneous transmission:

SAR Exclusion Threshold=

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$$

BT+2.4GWIFI:

$$\begin{aligned}
 &= [(1.585\text{mW}/5\text{mm}) \cdot (\sqrt{2.402\text{GHz}/7.5})] / 1.6\text{W/kg} + [(7.079\text{mW}/5\text{mm}) \cdot (\sqrt{2.412\text{GHz}/7.5})] / 1.6\text{W/kg} \\
 &= (0.04094/7.5) / 1.6 + (0.18324/7.5) / 1.6 \\
 &= 0.22417694 \leq 1
 \end{aligned}$$