

## TEST REPORT

**Report No. :** CQASZ20260701609E-03  
**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.:** Q02, Q02 Ultra, Q03, Q03 Ultra, Q04, Q04 Ultra  
**Test Model No.:** Q02  
**Brand Name:** N/A  
**FCC ID:** 2AGFW-Q02  
47 CFR Part 1.1307  
**Standards:** 47 CFR Part 1.1310  
KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2026-07-23  
**Date of Test:** 2026-07-23 to 2026-08-26  
**Date of Issue:** 2026-8-28  
**Test Result :** PASS

**Tested By:** Azir Wang  
( Azir Wang )

**Reviewed By:** Timo Lei  
( Timo Lei )

**Approved By:** Jack Ai  
( Jack Ai )



## 1. Version

### Revision History Of Report

| Report No.           | Version | Description    | Issue Date |
|----------------------|---------|----------------|------------|
| CQASZ20260701609E-03 | Rev.01  | Initial report | 2026-8-28  |

Model No.:Q02, Q02 Ultra, Q03 , Q03 Ultra

Their electrical circuit design, layout, components used and internal wiring are identical,

Only the model is different.

## 2. Contents

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

### 5. General Description of EUT

|                           |                                                                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:             | AI SMART GLASSES                                                                                                                                             |
| Model No.:                | Q02, Q02 Ultra, Q03, Q03 Ultra, Q04, Q04 Ultra                                                                                                               |
| Test Model No.:           | Q02                                                                                                                                                          |
| Trade Mark:               | N/A                                                                                                                                                          |
| Software Version:         | 1.1                                                                                                                                                          |
| Hardware Version:         | XSX101-V02                                                                                                                                                   |
| Power Supply:             | Li-ion battery DC 3.85V 270mAh, Charge by DC 5V for adapter                                                                                                  |
| Simultaneous Transmission | <input checked="" type="checkbox"/> Simultaneous TX is supported and evaluated in this report.<br><input type="checkbox"/> 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:        | <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable |
| Antenna Type:        | Internal antenna                                                             |
| Antenna Gain:        | 0dBi                                                                         |

### 7. General Description of BT

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Operation Frequency: | 2402MHz~2480MHz                                                              |
| Modulation Type:     | GFSK, $\pi/4$ DQPSK, 8DPSK                                                   |
| Transfer Rate:       | 1Mbps/2Mbps/3Mbps                                                            |
| Number of Channel:   | 79                                                                           |
| Product Type:        | <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable |
| 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)<br>IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK)<br>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:<br>1Mbps/2Mbps/5.5Mbps/11Mbps<br>IEEE for 802.11g :<br>6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps<br>IEEE for 802.11n(HT20) :<br>6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps |
| Sample Type:         | <input type="checkbox"/> Mobile <input checked="" type="checkbox"/> 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  $\leq 50$  mm are determined by:

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

Power and distance are rounded to the nearest mW and mm before 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

## EUT RF Exposure

### 1) For BT

#### Measurement Data

| Worst case: 8DPSK |                            |                            |                       |      |
|-------------------|----------------------------|----------------------------|-----------------------|------|
| Test Channel      | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |      |
|                   |                            |                            | (dBm)                 | (mW) |
| Lowest(2402MHz)   | 1.98                       | 2.0±1                      | 3.0                   | 2.00 |
| Middle(2441MHz)   | 1.84                       | 2.0±1                      | 3.0                   | 2.00 |
| Highest(2480MHz)  | 1.34                       | 1.5±1                      | 2.5                   | 1.78 |

| Worst case: 8DPSK                                       |                           |                  |                     |
|---------------------------------------------------------|---------------------------|------------------|---------------------|
| Channel                                                 | Maximum tuneup Power (mW) | Calculated value | Exclusion threshold |
| Lowest (2402MHz)                                        | 2.00                      | 0.62             | 3.0                 |
| Middle (2441MHz)                                        | 2.00                      | 0.62             |                     |
| Highest (2480MHz)                                       | 1.78                      | 0.56             |                     |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |                           |                  |                     |

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20251002502E-02

## 2) For BLE

### Measurement Data

| Worst case: GFSK |                            |                            |                       |      |
|------------------|----------------------------|----------------------------|-----------------------|------|
| Test Channel     | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |      |
|                  |                            |                            | (dBm)                 | (mW) |
| Lowest(2402MHz)  | 0.09                       | 0±1                        | 1                     | 1.26 |
| Middle(2440MHz)  | -0.38                      | 0±1                        | 1                     | 1.26 |
| Highest(2480MHz) | -0.13                      | 0±1                        | 1                     | 1.26 |

| Worst case: GFSK                                        |                           |                  |                     |
|---------------------------------------------------------|---------------------------|------------------|---------------------|
| Channel                                                 | Maximum tuneup Power (mW) | Calculated value | Exclusion threshold |
| Lowest (2402MHz)                                        | 1.26                      | 0.39             | 3.0                 |
| Middle (2440MHz)                                        | 1.26                      | 0.39             |                     |
| Highest (2480MHz)                                       | 1.26                      | 0.40             |                     |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |                           |                  |                     |

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20251002502E-01

## 2) For 2.4G WIFI

### Measurement Data

| Worst case: 11B mode |                            |                            |                       |      |
|----------------------|----------------------------|----------------------------|-----------------------|------|
| Test Channel         | Peak Output Power<br>(dBm) | Tune up tolerance<br>(dBm) | Maximum tune-up Power |      |
|                      |                            |                            | (dBm)                 | (mW) |
| Lowest(2412MHz)      | 7.44                       | 7.5±1                      | 8.5                   | 7.08 |
| Middle(2437MHz)      | 7.53                       | 7.5±1                      | 8.5                   | 7.08 |
| Highest(2462MHz)     | 8.32                       | 8.5±1                      | 9.5                   | 8.91 |

| Worst case: 11B mode                                    |                           |                  |                     |
|---------------------------------------------------------|---------------------------|------------------|---------------------|
| Channel                                                 | Maximum tuneup Power (mW) | Calculated value | Exclusion threshold |
| Lowest (2412MHz)                                        | 7.08                      | 2.20             | 3.0                 |
| Middle (2437MHz)                                        | 7.08                      | 2.21             |                     |
| Highest (2462MHz)                                       | 8.91                      | 2.80             |                     |
| Conclusion: the calculated value ≤3.0, SAR is exempted. |                           |                  |                     |

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20251002502E-03

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+2.4GWIFI:

$= [(2\text{mW}/5\text{mm}) \cdot (\sqrt{2.402\text{GHz}/7.5})] / 1.6\text{W/kg} + [(8.91\text{mW}/5\text{mm}) \cdot (\sqrt{2.412\text{GHz}/7.5})] / 1.6\text{W/kg}$

$= (0.0533/7.5) / 1.6 + (0.336/7.5) / 1.6$

$= 0.2846691 \leq 1$