

TEST REPORT

Report No. : CQASZ20251002502E-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: SMART GLASSES
Model No.: M01S
Test Model No.: M01S
Brand Name: N/A
FCC ID: 2AGFW-M01S
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2025-10-31
Date of Test: 2025-10-31 to 2025-11-10
Date of Issue: 2025-11-18
Test Result : **PASS**

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20251002502E-04	Rev.01	Initial report	2025-11-18

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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:	SMART GLASSES
Model No.:	M01S
Test Model No.:	M01S
Trade Mark:	N/A
Software Version:	V1.0
Hardware Version:	V1.0
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
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, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
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: 8DPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.29	-1±1	0	1.00
Middle(2441MHz)	-0.06	0±1	1	1.26
Highest(2480MHz)	-0.68	-0.5±1	0.5	1.12

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.00	0.310	3.0
Middle (2441MHz)	1.26	0.393	
Highest (2480MHz)	1.12	0.353	
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 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.63	2.0±1	3	2.00
Middle(2440MHz)	2.58	3.0±1	4	2.51
Highest(2480MHz)	2.24	2.5±1	3.5	2.24

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	2.00	0.618	3.0
Middle (2440MHz)	2.51	0.785	
Highest (2480MHz)	2.24	0.705	
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: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	1.83	2.0±1	3	2.00
Middle(2437MHz)	3.21	3.5±1	4.5	2.82
Highest(2462MHz)	3.60	4.0±1	5	3.16

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2412MHz)	2.00	0.620	3.0
Middle (2437MHz)	2.82	0.880	
Highest (2462MHz)	3.16	0.992	
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=

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

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

BLE+2.4GWIFI:

$= [(2.51\text{mW}/5\text{mm}) \cdot (\sqrt{2.44\text{GHz}/7.5})] / 1.6\text{W/kg} + [(3.16\text{mW}/5\text{mm}) \cdot (\sqrt{2.462\text{GHz}/7.5})] / 1.6\text{W/kg}$

$= (0.782/7.5) / 1.6 + (0.992/7.5) / 1.6$

$= 0.15 \leq 1$