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# TEST REPORT

**Report No. :** CQASZ20250100113E-03  
**Applicant:** Shenzhen Jiayouda Electronics Co.,Ltd  
**Address of Applicant:** 711, Building C, Langkou Baoke Industrial Zone, Longhua District, Shenzhen City, China  
**Equipment Under Test (EUT):**  
**EUT Name:** Wireless Earphone  
**Model No.:** BT26  
**Test Model No.:** BT26  
**Brand Name:** N/A  
**FCC ID:** 2BFL4-BT-26  
**Standards:** 47 CFR Part 1.1307  
47 CFR Part 1.1310  
KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2025-01-15  
**Date of Test:** 2025-01-15 to 2025-02-07  
**Date of Issue:** 2025-02-26  
**Test Result :** PASS

**Tested By:**

*Lewis Zhou*

( Lewis Zhou )

**Reviewed By:**

*Timo Lei*

( Timo Lei )

**Approved By:**

*Jack Ai*

( Jack Ai )



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## 1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250100113E-03	Rev.01	Initial report	2025-02-26

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### 3. General Information

### 4. Client Information

Applicant:	Shenzhen Jiayouda Electronics Co.,Ltd
Address of Applicant:	711, Building C, Langkou Baoke Industrial Zone, Longhua District,Shenzhen City, China
Manufacturer:	Shenzhen Jiayouda Electronics Co.,Ltd
Address of Manufacturer:	711, Building C, Langkou Baoke Industrial Zone, Longhua District,Shenzhen City, China
Factory:	Shenzhen Jiayouda Electronics Co.,Ltd
Address of Factory:	711, Building C, Langkou Baoke Industrial Zone, Longhua District,Shenzhen City, China

### 5. General Description of EUT

1#

Product Name:	Wireless Earphone
Model No.:	BT26
Test Model No.:	BT26
Trade Mark:	N/A
Software Version:	sdk_ab563x_v01x_s12928_20230704
Hardware Version:	SSTA17S_V01
RF Module:	A3 SDaC1600Bx0g0922437
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	Chip antenna
Antenna Gain:	2.5dBi
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable
Power Supply:	Li-ion battery: DC 3.7V 1000mAh, Charge by DC 5V for adapter

2#

Product Name:	Wireless Earphone
Model No.:	BT26
Test Model No.:	BT26
Trade Mark:	N/A
Software Version:	sdk_ab563x_v01x_s12928_20230704
Hardware Version:	SSTA17S_V01
RF Module:	CB24013d03H
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	Chip antenna
Antenna Gain:	2.5dBi
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable
Power Supply:	Li-ion battery: DC 3.7V 1000mAh, Charge by DC 5V for adapter

## 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:

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

Power and distance are rounded to the nearest mW and mm before 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(A3 SDaC1600Bx0g0922437)

#### Measurement Data

Worst case: 8DPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.09	-1±1	0	1.00
Middle(2441MHz)	-0.87	-1±1	0	1.00
Highest(2480MHz)	0.79	0.5±1	1.5	1.41

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.00	0.310	3.0
Middle (2441MHz)	1.00	0.312	
Highest (2480MHz)	1.41	0.445	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20250100113E-01

## EUT RF Exposure

### 1) For BT(CB24013d03H)

#### Measurement Data

Worst case: 8DPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-8.40	-8.5±1	-7.5	0.18
Middle(2441MHz)	-7.77	-7.5±1	-6.5	0.22
Highest(2480MHz)	-9.55	-9.5±1	-8.5	0.14

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	0.18	0.055	3.0
Middle (2441MHz)	0.22	0.070	
Highest (2480MHz)	0.14	0.044	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20250100113E-02

#### Simultaneous transmission:

BT(CB24013d03H)+BT(A3 SDaC1600Bx0g0922437)=0.07/3+0.445/3=0.023+0.148=0.17≤1