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# TEST REPORT

**Report No. :** CQASZ20250601485E-03  
**Applicant:** Woojer LTD  
**Address of Applicant:** HaMelacha St 16, Brain Embassy Building, floor #2  
Rosh Ha'ayin 4809139Israel  
**Equipment Under Test (EUT):**  
**EUT Name:** STRAP 4  
**Model No.:** WJRS4BHN-101  
**Test Model No.:** WJRS4BHN-101  
**Brand Name:** N/A  
**FCC ID:** 2AQXZ-WJRS4BHN-101  
47 CFR Part 1.1307  
**Standards:** 47 CFR Part 1.1310  
KDB447498D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2025-06-30  
**Date of Test:** 2025-06-30 to 2025-07-16  
**Date of Issue:** 2025-08-15  
**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
CQASZ20250601485E-03	Rev.01	Initial report	2025-08-15

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### 3. General Information

### 4. Client Information

Applicant:	Woojer LTD
Address of Applicant:	HaMelacha St 16, Brain Embassy Building, floor #2 Rosh Ha`ayin 4809139Israel
Manufacturer:	Woojer LTD
Address of Manufacturer:	HaMelacha St 16, Brain Embassy Building, floor #2 Rosh Ha`ayin 4809139Israel
Factory:	Woojer LTD
Address of Factory:	HaMelacha St 16, Brain Embassy Building, floor #2 Rosh Ha`ayin 4809139Israel

### 5. General Description of EUT

Product Name:	STRAP 4
Model No.:	WJRS4BHNV-101
Test Model No.:	WJRS4BHNV-101
Trade Mark:	N/A
RF module:	JL7016C6
Software Version:	V2.0
Hardware Version:	V2.0
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:	1.75dBi
Product Type:	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Power Supply:	lithium battery: 3.7V 3500mAh 12.95Wh, 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:

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

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before 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(Module 1#)

#### 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	1.5±1	2.5	1.78
Middle(2441MHz)	1.57	2.0±1	3.0	2.00
Highest(2480MHz)	1.98	2.0±1	3.0	2.00

Worst case: 8DPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.78	0.551	3.0
Middle (2441MHz)	2.00	0.623	
Highest (2480MHz)	2.00	0.628	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20250601485E-01

## 2) For BT(Module 2#)

### 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)	1.30	$1.5 \pm 1$	2.5	1.778
Middle(2441MHz)	1.50	$1.5 \pm 1$	2.5	1.778
Highest(2480MHz)	1.95	$2.0 \pm 1$	3.0	1.995

Worst case: $\pi/4$ DQPSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.778	0.551	3.0
Middle (2441MHz)	1.778	0.556	
Highest (2480MHz)	1.995	0.628	
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20250601485E-02

Simultaneous transmission:

SAR Exclusion Threshold=

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

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

Module 1#+Module 2#:

$= [(2\text{mW}/5\text{mm}) \cdot \sqrt{2.48\text{GHz}} / 1.6\text{W/kg}] + [(1.995\text{ mW}/5\text{mm}) \cdot \sqrt{2.48\text{GHz}} / 1.6\text{W/kg}]$

$= 0.628/1.6 + 0.628/1.6$

$= 0.785 \leq 1$