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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 4809139 Israel

Equipment Under Test (EUT):

EUT Name: STRAP 4

Model No.: WJRS4BHNV-101

Test Model No.: WJRS4BHNV-101

Brand Name: N/A

FCC ID: 2AQXZ-WJRS4BHNV-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)



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.:	WJRS4BHN-101
Test Model No.:	WJRS4BHN-101
Trade Mark:	N/A
RF moudle:	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

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: π/4DQPSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.30	1.5±1	2.5	1.778
Middle(2441MHz)	1.50	1.5±1	2.5	1.778
Highest(2480MHz)	1.95	2.0±1	3.0	1.995

Worst case: π/4DQPSK			
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 ≤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#:

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

$$= 0.628/1.6 + 0.628/1.6$$

$$= 0.785 \leq 1$$