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# RF Exposure Evaluation Report

**Product** : Sport Earbuds

Trade mark : Walker's

\*\*GWP-SPEB, GWP-SPEB-XXX Model/Type reference

(Where X = 0.9 or A-Z for different color)

Test Model No. : GWP-SPEB

Serial Number : N/A

**Report Number** : EED32N80687203 **FCC ID** : 2AU3A-GWPSPEB

**Date of Issue** : Nov. 26, 2021

: 47 CFR Part 1.1307

Test Standards 47 CFR Part 2.1093

KDB447498D01 General RF

Exposure Guidance v06

Test result : PASS

Prepared for:

**Good Sportsman Marketing, LLC** 5250 Frye Road Irving TX 75061

Prepared by:

Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

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Nov. 26, 2021

Check No.: 7631040821



Report No.: EED32N80687203





# 1 Version

Version No.	Date	Description
00	Nov. 26, 2021	Original













































































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# 3 General Information

# 3.1 Client Information

Applicant:	Good Sportsman Marketing, LLC	
Address of Applicant:	5250 Frye Road Irving TX 75061	
Manufacturer:	Good Sportsman Marketing, LLC	(*)
Address of Manufacturer:	5250 Frye Road Irving TX 75061	(277)
Factory:	Concord Intelligent Technology (Huizhou) Ltd.	
Address of Factory:	21, Ping An Rd, Shuikou Street, Hui Cheng District, Huizho Province, China	ou City, Guangdong

# 3.2 General Description of EUT

Product Name:	Sport Earbuds				
Mode No.:	GWP-SPEB, GWP-SPEB-XXX(Where X = 0-9 or A-Z for different color)				
Test Mode No.:	GWP-SPEB				
Trade mark:	Walker's				
EUT Supports Radios application:	Bluetooth 5.0 dual mode: 2402-2480MHz				
Bluetooth Version:	V5.0				
Product Type:	☐ Mobile ☐ Portable ☐ Fix Location				
Power Supply:	Battery: DC 3.7V, Charge by DC 5.0V				
Test Voltage:	DC 3.7V				
Sample Received Date:	Aug. 05, 2021				
Sample tested Date:	Aug. 05, 2021 to Aug. 24, 2021				

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: GWP-SPEB, GWP-SPEB-XXX(Where X = 0-9 or A-Z for different color)

Only the modelGWP-SPEB was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance.

# 3.3 General Description of BLE

Operation Frequency:	2402MHz~2480MHz		
Modulation Type:	GFSK		
Transfer Rate:	⊠1Mbps □2Mbps		(11)
Number of Channel:	40	(0.)	6
Antenna Type:	Chip antenna		
Antenna Gain:	0.8dBi		





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# 3.4 General Description of BT Classic

Operation Frequency:	2402MHz~2480MHz
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	Chip antenna
Antenna Gain:	0.8dBi

#### 3.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted. FCC Designation No.: CN1164

#### 3.6 Deviation from Standards

None.

### 3.7 Abnormalities from Standard Conditions







#### 4 SAR Evaluation

## 4.1 RF Exposure Compliance Requirement

#### 4.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 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:

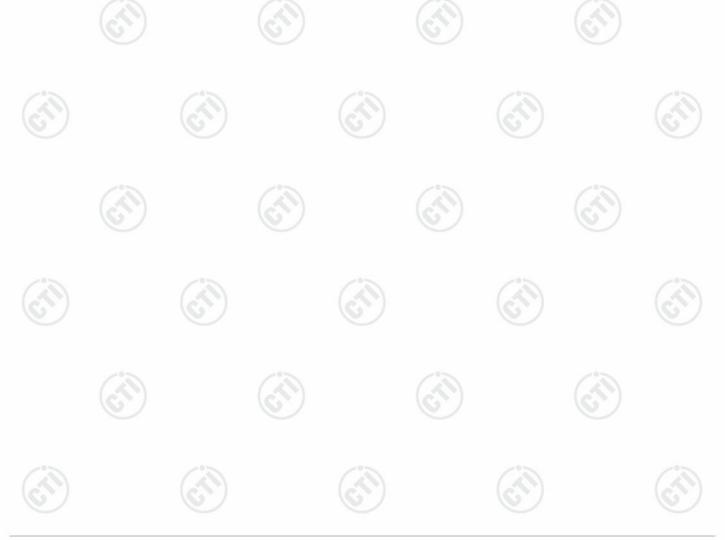
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, where

f(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 ≤ 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





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#### 4.1.2 EUT RF Exposure

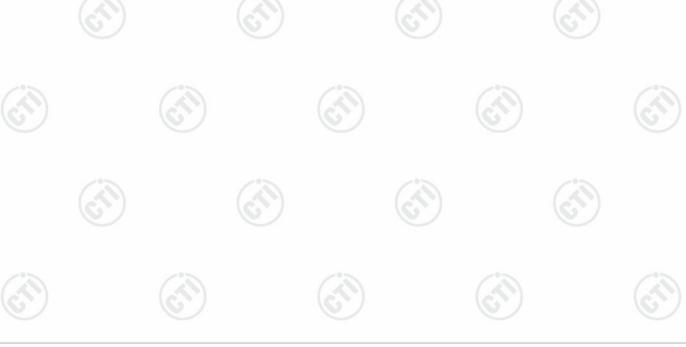
#### 1) For BLE

#### **Measurement Data**

mododi omont Data							
GFSK mode							
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Power				
	(dBm)	(dBm)	(dBm)	(mW)			
Lowest(2402MHz)	-6.19	-7.0±1	-6.0	0.251			
Middle(2440MHz)	-6.47	-7.0±1	-6.0	0.251			
Highest(2480MHz)	-6.96	-7.5±1	-6.5	0.224			

Channel	Maximum Peak  Conducted  tolerance		Maximum tune- up Power		Calculated	Exclusion
	Output Power (dBm)	(dBm)	(mW)	value	threshold	
Lowest (2402MHz)	-6.19	-7.0±1	-6.0	0.251	0.078	
Middle (2440MHz)	-6.47	-7.0±1	-6.0	0.251	0.078	3.0
Highest (2480MHz)	-6.96	-7.5±1	-6.5	0.224	0.071	G

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32N80687201.





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#### 2) For BT Classic **Measurement Data**

easurement Data				
	GFSK i	mode		
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Powe	
	(dBm)	(dBm)	(dBm)	(mW)
Lowest(2402MHz)	1.98	1.5±1	2.5	1.778
Middle(2441MHz)	1.72	1.0±1	2.0	1.585
Highest(2480MHz)	1.29	0.5±1	1.5	1.413
	π/4DQPS	K mode		
Test channel	Peak Output Power	Tune up tolerance	Maximum tune-up Powe	
	(dBm)	(dBm)	(dBm)	(mW)
Lowest(2402MHz)	3.68	3.0±1	4.0	2.512
Middle(2441MHz)	3.45	3.0±1	4.0	2.512
Highest(2480MHz)	3.05	2.5±1	3.5	2.239
	8DPSK	mode		
Test channel	Peak Output Power	Tune up tolerance	Maximum tur	ne-up Powe
	(dBm)	(dBm)	(dBm)	(mW)
Lowest(2402MHz)	4.00	3.5±1	4.5	2.818
Middle(2441MHz)	3.78	3.0±1	4.0	2.512
Highest(2480MHz)	3.37	2.5±1	3.5	2.239

Channel	Maximum Peak Conducted Output Power	Tune up tolerance (dBm)		ower (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	(dBm) 4.00	3.5±1	4.5	2.818	0.874	
Middle (2441MHz)	3.78	3.0±1	4.0	2.512	0.785	3.0
Highest (2480MHz)	3.37	2.5±1	3.5	2.239	0.705	

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32N80687202.



















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# **PHOTOGRAPHS OF EUT Constructional Details**

Refer to Report No. EED32N80687201 for EUT external and internal photos.

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