

RF Exposure Evaluation Report

Product : Sport Earbuds
Trade mark : Walker's
Model/Type reference : GWP-DSRPT
Serial Number : N/A
Report Number : EED32P80349003
FCC ID : 2AU3A-DSRPT
Date of Issue : Apr. 06, 2023
: 47 CFR Part 1.1307
: 47 CFR Part 2.1093
Test Standards : KDB447498D01 General RF
Exposure Guidance v06
Test result : PASS

Prepared for:

Good Sportsman Marketing.LLC
5250 Frye Road Irving.TX 75061

Prepared by:

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Apr. 06, 2023

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1 Version

Version No.	Date	Description
00	Apr. 06, 2023	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
Factory:	Concord Intelligent Technology (Huizhou) Ltd.
Address of Factory:	25, Ping An Rd, Shuikou Street, Hui Cheng District, Huizhou City, Guangdong Province, China

3.2 General Description of EUT

Product Name:	Sport Earbuds
Model No.(EUT):	GWP-DSRPT
Trade mark:	Walker's
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Power Supply:	DC 3.7V
Test Voltage:	DC 3.7V
Sample Received Date:	Mar. 15, 2023
Sample tested Date:	Mar. 15, 2023 to Mar. 21, 2023
Remark:	Company Name and Address shown on Report, the sample(s) and sample Information were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified. During the test, the data was showed in all modes, only the worst case left ear was recorded in the report.

3.3 General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	☒ 1Mbps ☒ 2Mbps
Number of Channel:	40
Antenna Type:	LDS Antenna
Antenna Gain:	Left ear : -0.31 dBi Right ear : -0.29 dBi

3.4 General Description of BT Classic

Operation Frequency:	2402MHz~2480MHz
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Antenna Type:	LDS Antenna
Antenna Gain:	Left ear : -0.31 dBi Right ear : -0.29 dBi

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

None.

3.8 Other Information Requested by the Customer

None.

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:

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

$f(\text{GHz})$ 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

4.1.2 EUT RF Exposure

1) For BLE

Measurement Data:

The Ear L for 1M of data is worst, only the worst case is recorded in the report.

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	0.84	1.0±1	2.0	1.585
Middle(2440MHz)	1.22	1.0±1	2.0	1.585
Highest(2480MHz)	1.52	1.0±1	2.0	1.585

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune- up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	0.84	1.0±1	2.0	1.585	0.499	3.0
Middle (2440MHz)	1.22	1.0±1	2.0	1.585	0.499	
Highest (2480MHz)	1.52	1.0±1	2.0	1.585	0.499	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32P80349001.

2) For BT Classic

Measurement Data

The Ear L of data is worst, only the worst case is recorded in the report.

GFSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	0.95	1.0±1	2.0	1.585
Middle(2441MHz)	1.27	1.0±1	2.0	1.585
Highest(2480MHz)	1.59	1.0±1	2.0	1.585
π/4DQPSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	0.47	1.0±1	2.0	1.585
Middle(2441MHz)	0.83	1.0±1	2.0	1.585
Highest(2480MHz)	1.14	1.0±1	2.0	1.585
8DPSK mode				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.04	1.0±1	2.0	1.585
Middle(2441MHz)	1.36	1.0±1	2.0	1.585
Highest(2480MHz)	1.7	1.0±1	2.0	1.585

Worst case: 8DPSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune- up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
Lowest (2402MHz)	1.04	1.0±1	2.0	1.585	0.499	3.0
Middle (2441MHz)	1.36	1.0±1	2.0	1.585	0.499	
Highest (2480MHz)	1.7	1.0±1	2.0	1.585	0.499	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

Remark: The Max Conducted Peak Output Power data refer to report Report No.: EED32P80349002.

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*** End of Report ***