



RF Exposure Evaluation Report

APPLICANT : BlueAnt Wireless
EQUIPMENT : PUMP – HD Sportbuds
BRAND NAME : BlueAnt
MODEL NAME : PUMP
FCC ID : VHFBLUEANTPM
STANDARD : 47 CFR Part 2.1093
FCC KDB 447498 D01 v05r01

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Eric Huang / Deputy Manager

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA3O0451	Rev. 01	Initial issue of report	Dec. 19, 2013



1. Administration Data

1.1 Testing Laboratory

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978

1.2 Applicant

Company Name	BlueAnt Wireless
Address	1-7 Weston St Brunswick Vic 3056 Australia

1.3 Manufacturer

Company Name	FU GANG ELECTRONIC(KUNSHAN)CO., LTD
Address	NO.6 Zheng Wei West Road, Jin Xi Town, Kun Shan City, Jiang Su Province, 215324, China



2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	PUMP – HD Sportbuds
Brand Name	BlueAnt
Model Name	PUMP
FCC ID	VHFBLUEANTPM
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	• Bluetooth v3.0+EDR
Antenna Type	Chip Antenna
DUT Stage	Production Unit

Remark: The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3. Maximum RF output power among production units

Mode / Band	Average Power (dBm)
	v3.0+EDR
2.4GHz Bluetooth	9.0

3.1 Applied Standard

- FCC KDB 447498 D01 v05r01



4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Distance (mm)	Frequency (GHz)	exclusion thresholds
9.0	8.00	5	2.48	2.52

Note:

1. Per KDB 447498 D01v05r01, 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:

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

- f(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

Conclusion: According to KDB 447498 D01v05r01 exclusion thresholds is 2.52 < 3, SAR testing is not required.