



RF Exposure Evaluation Report

APPLICANT : LifeBEAM Technologies
EQUIPMENT : Vi hearable
BRAND NAME : LifeBEAM Inc.
MODEL NAME : LBVI001
 LBVI002
 LBVI003
MARKETING NAME : LBVI001
FCC ID : 2ACQO-LBVI0000001
STANDARD : 47 CFR Part 2.1093
 FCC KDB 447498 D01 v06

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 / Manager

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA710415	Rev. 01	Initial issue of report	Mar. 03, 2017



1. Administration Data

Testing Laboratory	
Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978

Applicant	
Company Name	LifeBEAM Technologies
Address	150 Greenwich, NY 10007, 4 World Trade Center

Manufacturer	
Company Name	Merry Electronics
Address	Merry Ind. Park, HuaRong Rd., DaLang, LongHua New Dist., ShenZhen, China 518109



2. General Information

2.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Vi hearable
Brand Name	LifeBEAM Inc.
Model Name	LBVI001 LBVI002 LBVI003
Marketing Name	LBVI001
FCC ID	2ACQO-LBVI0000001
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth BR/EDR/LE
Antenna Type	IFA Antenna
Antenna Gain	4.68dBm
HW Version	R5
SW Version	00.01.02.01
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

Band / Mode	Average Power (dBm)			
	BR / EDR		LE	
	1M	2M	3M	GFSK
Bluetooth	3.5	1	1	3.5



4. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
3.5	2.00	5	2.48	0.63

Note:

1. Per KDB 447498 D01v06 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:

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

1-g SAR and \leq 7.5 for 10-g extremity SAR

- $f(\text{GHz})$ 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

Conclusion: Per KDB 447498 D01v06, when the minimum test separation distance is $<$ 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.63 which is ≤ 3 , SAR testing is not required.