RF Exposure Evaluation Report

APPLICANT : Chiaro Technology Ltd

EQUIPMENT: Elvie

BRAND NAME: Chiaro

MODEL NAME : EL01

FCC ID : 2AEHI-EL0115

STANDARD : 47 CFR Part 2.1093

FCC KDB 447498 D01 v05r02

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

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Jones/sai

Approved by: Jones Tsai / Manager



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Report Version



: 1 of 4

: Rev. 01

Report Issued Date: Jul. 22, 2015

Report No.: FA552245

SPORTON INTERNATIONAL INC.

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 FCC ID: 2AEHI-EL0115

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA552245	Rev. 01	Initial issue of report	Jul. 22, 2015

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1. Administration Data

Testing Laboratory	esting 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		

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Applicant		
Company Name	Chiaro Technology Ltd	
Address	2nd Floor, 5-9 Hatton Wall, London, United Kingdom, EC1N 8HX	

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	Elvie		
Brand Name Chiaro			
Model Name EL01			
FCC ID	2AEHI-EL0115		
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz		
Mode	Bluetooth v4.0-LE		
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.

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3. Maximum RF output power among production units

	Bluetooth	
Mode / Band	BT4.0-LE	
	(GFSK)	
2.4GHz	0.5	

4. RF Exposure Evaluation

Bluetooth	mW	Separation	Frequency	Exclusion
Max Power (dBm)		Distance (mm)	(GHz)	Thresholds
0.5	1.0	< 5	2.48	0.31

General Note:

 Per KDB 447498 D01v05r02, 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 ≤ 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: Per KDB 447498 D01v05r02, 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 0.31 which is <= 3, SAR testing is not required.

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