RF Exposure Evaluation Report

APPLICANT : Zebra Technologies Corporation

EQUIPMENT: 2AA Beacon

BRAND NAME : Zebra

MODEL NAME : MPACT-INDR1

MARKETING NAME : 2AA Beacon

FCC ID : UZ7MPACTINDR1

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

Cole man

Approved by: Jones Tsai / Manager



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Report Version



: 1 of 4

: Rev. 01

Report Issued Date: Jul. 20, 2015

Report No. : FA542704

SPORTON INTERNATIONAL INC.

No.52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Taoyuan City, Taiwan (R.O.C.)

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA542704	Rev. 01	Initial issue of report	Jul. 01, 2015
FA542704	Rev. 02	Updated equipment name and marketing name	Jul. 20, 2015

SPORTON INTERNATIONAL INC.

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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		

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	Applicant		
Company Name	Zebra Technologies Corporation		
Address	1 Zebra Plaza Holtsville, NY 11742 USA		

Manufacturer		
Company Name	Wistron NeWeb Corporation	
Address 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C.		

2. General Information

2.1 <u>Description of Device Under Test (DUT)</u>

Product Feature & Specification			
DUT Type 2AA Beacon			
Brand Name	Zebra		
Model Name	MPACT-INDR1		
Marketing Name	AA Beacon		
FCC ID	IZ7MPACTINDR1		
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz		
Mode	Bluetooth v4.0-LE		
HW Version	MPACT-INDR1 Rev A		
SW Version	MPACT-INDR1_MFG-2.0.0.0-013D		
DUT Stage	Production Unit		

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3. Maximum RF output power among production units

Mode / Band	Average Power (dBm)		
	Bluetooth v4.0 with LE		
2.4 GHz Band	1		

4. RF Exposure Evaluation

Wireless Technology	Max Power (dBm)	Distance (mm)	Frequency (GHz)	Exclusion threshold	Limit
Bluetooth	1.0	5	2.480	0.31	3.0

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: The SAR measurement is not necessary.

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