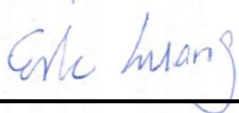


RF Exposure Evaluation Report

APPLICANT : Zebra Technologies Corporation
EQUIPMENT : USB Beacon
BRAND NAME : Zebra
MODEL NAME : MPACT-USB1
MARKETING NAME : USB Beacon
FCC ID : UZ7USB1
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



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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



Table of Contents

- 1. Administration Data 3
- 2. General Information 3
- 2.1 Description of Device Under Test (DUT) 3
- 3. Maximum RF output power among production units 4
- 4. RF Exposure Evaluation 4

Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA541789	Rev. 01	Initial issue of report	Jun. 22, 2015
FA541789	Rev. 02	Revised FCC ID	Jul. 08, 2015
FA541789	Rev. 03	Updated equipment name and marketing name	Jul. 17, 2015



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	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 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	USB Beacon
Brand Name	Zebra
Model Name	MPACT-USB1
Marketing Name	USB Beacon
FCC ID	UZ7USB1
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	• Bluetooth v4.0-LE
DUT Stage	Production Unit



3. Maximum RF output power among production units

Mode / Band	Average Power (dBm)
	Bluetooth v4.0 with LE
2.4 GHz Band	4.0

4. RF Exposure Evaluation

Wireless Technology	Max Power (dBm)	Distance (mm)	Frequency (GHz)	Exclusion threshold	Limit
Bluetooth	4.0	5	2.480	0.94	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:
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 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.