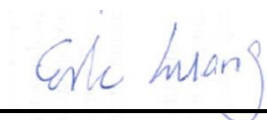


# RF Exposure Evaluation Report

**APPLICANT** : Zebra Technologies Corporation  
**EQUIPMENT** : MPACT Tag  
**BRAND NAME** : Zebra Technologies Corporation  
**MODEL NAME** : MPACT-INDR2  
**FCC ID** : UZ7MPACTINDR2  
**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 / 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.)



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## **Revision History**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA670201	Rev. 01	Initial issue of report	Sep. 08, 2016

## **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	121 DuJuan Road, Precision Machinery Industrial Park, KunShan City, Jiangsu Province, P.R.C.

## **2. General Information**

### **2.1 Description of Device Under Test (DUT)**

Product Feature & Specification	
DUT Type	MPACT Tag
Brand Name	Zebra Technologies Corporation
Model Name	MPACT-INDR2
FCC ID	UZ7MPACTINDR2
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	• Bluetooth LE
Antenna Type	PCB Antenna
HW Version	Rev A
SW Version	GE-MB1000-01-WR_MFG-2.0.0.0-062R
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)
	LE
2.4 GHz Bluetooth	0.50

### **4. RF Exposure Evaluation**

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

**Note:**

- Per KDB 447498 D01v06 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:

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

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 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 0.31 which is ≤ 3, SAR testing is not required.