

RF Exposure Evaluation Report

FCC ID : UZ7MPACTINDR4
Equipment : MPACT Tag
Brand Name : ZEBRA
Model Name : MPACT-INDR4
Applicant : Zebra Technologies Corporation
1 Zebra Plaza, Holtsville, NY 11742 USA
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II, Hsinchu Science
Park, Hsinchu 308, Taiwan, R.O.C.
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA283129	Rev. 01	Initial issue of report	Feb. 01, 2023



1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	MPACT Tag
Brand Name	ZEBRA
Model Name	MPACT-INDR4
FCC ID	UZ7MPACTINDR4
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth LE
Antenna Type	PIFA Antenna
HW Version	Rev A
SW Version	1.0.0.0-009R
MFD	31OCT22
DUT Stage	Production Unit

2. Maximum RF output power among production units

Mode / Band	Bluetooth
	BT4.0-LE
	(GFSK)
2.4GHz Bluetooth	-0.30



3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
-0.30	0.93	5	2.48	0.29

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* ≤ 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: 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 0.29 which is ≤ 3, SAR testing is not required.