



RF Exposure Evaluation Report

FCC ID : UZ7BT000375B
Equipment : BLE Battery
Brand Name : Zebra
Model Name : BT-000375B
Applicant : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
Manufacturer : Zebra Technologies Corporation
3 Overlook Point, Lincolnshire, IL 60069 USA
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.

Cona Huang

Approved by: Cona Huang / Deputy Manager



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Table of Contents

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

Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA520403	Rev. 01	Initial issue of report	May 13, 2025



1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	BLE Battery
Brand Name	Zebra
Model Name	BT-000375B
FCC ID	UZ7BT000375B
Wireless Technology and Frequency Range	Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	Bluetooth LE
Antenna Type	PIFA Antenna
HW Version	DV2
DUT Stage	Identical Prototype

2. Maximum RF output power among production units

Bluetooth	Mode	Channel	Frequency	Average power (dBm)	Tune-Up Limit
			(MHz)		
Bluetooth	LE 1Mbps	0	2402	-1.40	-1.00
		19	2440	-1.40	-1.00
		39	2480	-0.90	-0.50
	LE 2Mbps	0	2402	-1.40	-1.00
		19	2440	-1.30	-1.00
		39	2480	-0.90	-0.50



3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
-0.5	0.89	5	2.48	0.28

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* \leq 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 \leq 7.5 for 10-g extremity SAR

- $f(\text{GHz})$ 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 0.28 which is \leq 3, SAR testing is not required.