

# RF Exposure Evaluation Report

FCC ID : UZ7DS4678  
Equipment : Digital Scanner  
Brand Name : ZEBRA  
Model Name : ZEBRA  
Applicant : Zebra Technologies Corporation  
1 Zebra Plaza, Holtsville, NY 11742  
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
FA431421	Rev. 01	Initial issue of report	May. 30, 2024



### 1. General Information

#### 1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
Equipment	Digital Scanner
Brand Name	ZEBRA
Model Name	ZEBRA
FCC ID	UZ7DS4678
Wireless Technology and Frequency Range	Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	Bluetooth BR/EDR/LE
MFD	14FEB24

### 2. Maximum RF output power among production units

Mode	Average power (dBm)			
	BR / EDR			LE
	1Mbps	2Mbps	3Mbps	1Mbps
Tune-up Limit	3.1	3.1	3.1	3.1

### 3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
3.1	2.04	5	2.48	0.64

**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:
 
$$[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \cdot [\sqrt{f(GHz)}] \leq 3.0$$
 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 0.64 which is ≤ 3, SAR testing is not required.