RF EXPOSURE EVALUATION REPORT

FCC ID	:	UZ7DS3678
Equipment	:	Digital Scanner
Brand Name	:	Zebra
Model Name	:	DS3678
Applicant	:	Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742
Standard	:	47 CFR Part 2.1093 FCC KDB 447498 D01 v06

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

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

Approved by: Cona Huang / Deputy Manager

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History of this test report

Report No.	Version	Description	Issued Date
FA8N1524-01	Rev. 01	Initial issue of report	Oct. 30, 2020

1. General Information

1.1 Description of Device Under Test (DUT)

Product Feature & Specification	
DUT Type	Digital Scanner
Brand Name	Zebra
Model Name	DS3678
FCC ID	UZ7DS3678
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth BR/EDR/LE/HS
HW Version	EV1
SW Version	EV1
MFD	14SEP20
DUT Stage	Identical Prototype

Reviewed by: Jason Wang

Report Producer: Carlie Tsai

2. Maximum RF output power among production units

Mode	Maximum Output Power (dBm)
Bluetooth	5.8

3. RF Exposure Evaluation

Bluetooth Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
5.8	3.8	5	2.48	1.2

Note:

1. For the Bluetooth active only when the device is scanning, therefore, hand exposure is applied.
2. 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*)] ·[√f(GHz)] ≤ 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 1.2 which is <= 3, SAR testing is not required.