



# RF EXPOSURE EVALUATION REPORT

FCC ID : UZ7CR6080SC  
Equipment : 1D1B Cradle  
Brand Name : Zebra  
Model Name : CR6080-SC  
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   |
|------------|---------|-------------------------|---------------|
| FA050617B  | Rev. 01 | Initial issue of report | Aug. 17, 2020 |
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**1. General Information****1.1 Description of Device Under Test (DUT)**

| Product Feature & Specification         |                                |
|-----------------------------------------|--------------------------------|
| DUT Type                                | 1D1B Cradle                    |
| Brand Name                              | Zebra                          |
| Model Name                              | CR6080-SC                      |
| FCC ID                                  | UZ7CR6080SC                    |
| Wireless Technology and Frequency Range | Bluetooth: 2402 MHz ~ 2480 MHz |
| Mode                                    | Bluetooth BR/EDR/LE            |
| HW Version                              | EV2                            |
| SW Version                              | N16                            |
| MFD                                     | 30APR20                        |
| DUT Stage                               | Engineering sample             |

**Remark:** The above DUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

**Reviewed by:** Jason Wang

**Report Producer:** Wan Liu

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

| Bluetooth        |      |
|------------------|------|
| 2.4GHz Bluetooth | 3.59 |



### **3. RF Exposure Evaluation**

| Bluetooth<br>Max Power (dBm) | mW   | Separation<br>Distance (mm) | Frequency<br>(GHz) | Exclusion<br>Thresholds |
|------------------------------|------|-----------------------------|--------------------|-------------------------|
| 3.59                         | 2.29 | 5                           | 2.48               | 0.72                    |

**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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  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 0.72 which is  $\leq 3$ , SAR testing is not required.