

Supplementary RF Exposure Report

Report No.: SA120522E09N-1

FCC ID: UZ7MC92N0

Test Model: MC92N0

Received Date: Mar. 23, 2015

Test Date: Apr. 13, 2015

Issued Date: May 13, 2015

Applicant: Zebra Technologies Corporation

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Manufacturer: Symbol Technologies, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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Report Issue History Record of EUT (MC92N0)

Attachment No.	Issue Date	Description	
120522E09	Aug. 08, 2012	Original	
120522E09N	May 13, 2015	 Added Bluetooth 4.0 technology used for the EUT Added new SKU: SE4750 Changed the battery Changed the version of EUT 	

Release Control Record

Issue No.	Description	Date Issued
SA120522E09N-1	Original release.	May 13, 2015

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1 Certificate of Conformity

Product: Mobile Computer

Brand: Symbol

Test Model: MC92N0

Sample Status: ENGINEERING SAMPLE

Applicant: Zebra Technologies Corporation

Test Date: Apr. 13, 2015

Standards: FCC Part 2 (Section 2.1093)

KDB 447498 D03

IEEE C95.1

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :	M	, Date:	May 13, 2015	5	

Elsie Hsu / Specialist

May Chen / Manager



2 Evaluation Result

Following FCC KDB 447498 D01 "General SAR test exclusion guidance"

The corresponding SAR Exclusion Threshold condition, listed below:

1) 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)] $\cdot [\sqrt{f(GHz)}]$ ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- 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 The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.</p>
- 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
 - a) [Threshold at 50 mm in step 1) + (test separation distance 50mm)·(f(MHz)/150)] mW, at 100MHz to 1500 MHz
 - b) [Threshold at 50 mm in step 1) + (test separation distance 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
 - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by [1 + log(100/f(MHz))] for test separation distances > 50 mm and < 200 mm.
 - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances \leq 50 mm.
 - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.



3 SAR Test Exclusion Thresholds

There are Bluetooth technology and WLAN technology used for the EUT. This report has recorded the No SAR evaluation at the Bluetooth technology.

For BT EDR

Frequency (GHz)	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 2)	10-g extremity SAR test exclusion thresholds	Result
2.402 ~ 2.480	2.636	5	0.8302	7.5	Pass

NOTE: 1. The antenna type is Chip antenna with -3.31dBi gain.

2. Calculate SAR test exclusion thresholds from condition "1" formulas.

For BT LE

Frequency (GHz)	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 2)	10-g extremity SAR test exclusion thresholds	Result
2.402 ~ 2.480	2.158	5	0.6797	7.5	Pass

NOTE: 1. The antenna type is Chip antenna with -3.31dBi gain.

2. Calculate SAR test exclusion thresholds from condition "1" formulas.

4 Conclusion

Since Source-base time average power is below SAR test exclusion power thresholds, the SAR evaluation is not required.

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