

RF Exposure Report

Report No.: SA140107C15L-1

FCC ID: JNF-Z-224X

Test Model: Z-2242

Series Model: Z-2240

Received Date: Dec. 26, 2013

Test Date: Jun. 04 ~ Dec. 10, 2015

Issued Date: Dec. 24, 2015

Applicant: ZEBEX INDUSTRIES INC.

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

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Test Location: No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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Release Control Record

Issue No.	Description	Date Issued
SA140107C15L-1	Original release.	Dec. 24, 2015

1 Certificate of Conformity

Product: Rugged Mobile Handheld Computer

Brand: ZEBEX

Test Model: Z-2242

Series Model: Z-2240

Sample Status: MASS-PRODUCT

Applicant: ZEBEX INDUSTRIES INC.

Test Date: Jun. 04 ~ Dec. 10, 2015

Standards: FCC Part 2 (Section 2.1093)
KDB 447498 D01 (October 23, 2015)
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 : , **Date:** Dec. 24, 2015
Ivy Lin / Specialist

Approved by : , **Date:** Dec. 24, 2015
Ken Liu / Senior 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:

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot [\sqrt{f(\text{GHz})}]$$
$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- $f(\text{GHz})$ is the RF channel transmit frequency

3 SAR Test Exclusion Thresholds

Maximum measured transmitter power:

Mode	Max. Power (mW)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 2)	1-g SAR test exclusion thresholds	Result
BT EDR	1.770	5	0.548	3	Pass
BT LE	1.762	5	0.546	3	Pass

NOTE: 1. The antenna type is PIFA antenna with 2.20dBi 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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