

RF Exposure Report

Report No.: SA181011E02

FCC ID: NOI-VGIDEBT

Test Model: EBT

Received Date: Oct. 11, 2018

Test Date: Nov. 03, 2018

Issued Date: Jan. 24, 2019

Applicant: NETRONIX, INC.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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**FCC Registration /
Designation Number:** 723255 / TW2022

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Table of Contents

Release Control Record	3
1 Certificate of Conformity	4
2 Evaluation Result	5
3 SAR Test Exclusion Thresholds	6
4 Conclusion	6

Release Control Record

Issue No.	Description	Date Issued
SA181011E02	Original release.	Jan. 24, 2019

1 Certificate of Conformity

Product: ViewTag

Brand: ViewTag®

Test Model: EBT

Sample Status: ENGINEERING SAMPLE

Applicant: NETRONIX, INC.

Test Date: Nov. 03, 2018

Standards: FCC Part 2 (Section 2.1093)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

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.

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Date:

Jan. 24, 2019

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Date:

Jan. 24, 2019

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:
$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot [\sqrt{f(\text{GHz})}]$$
$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
 - $f(\text{GHz})$ is the RF channel transmit frequency 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.
- 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 $[1 + \log(100/f(\text{MHz}))]$ 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 ≤ 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

BT-LE 1M Avg. Power Table

Channel	Frequency (MHz)	Avg. Power	
		(mW)	(dBm)
0	2402	2.415	3.83
19	2440	2.46	3.91
39	2480	2.427	3.85

For BT-LE 1M SAR Test Exclusion Thresholds

Frequency (MHz)	Max Avg. Power (dBm)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 1)	10-g SAR test exclusion thresholds	Result
2402 ~ 2480	3.91	5	0.769	7.5	Pass

NOTE: 1. Calculate SAR test exclusion thresholds from condition "1" formulas.

BT-LE 2M Avg. Power Table

Channel	Frequency (MHz)	Avg. Power	
		(mW)	(dBm)
0	2402	2.455	3.90
19	2440	2.489	3.96
39	2480	2.46	3.91

For BT-LE 2M SAR Test Exclusion Thresholds

Frequency (MHz)	Max Avg. Power (dBm)	Min. test separation distance (mm)	SAR test exclusion calculation value ^(NOTE 1)	10-g SAR test exclusion thresholds	Result
2402 ~ 2480	3.96	5	0.778	7.5	Pass

NOTE: 1. 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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