RF Exposure Report

Report No.:	SA150402D08
FCC ID:	YLI-HSNHI2
Test Model:	NHI-85X
Received Date:	Apr. 2, 2015
Test Date:	May 4 ~ 7, 2015
Issued Date:	May 11, 2015
Applicant:	H.S. CRAFT MANUFACTURING CO.
Address:	9F, NO. 35, GUANG FU N. ROAD, TAIPEI, TAIWAN
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

Testing Laboratory
2021

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Release Control Record

Issue No.	Description	Date Issued
SA150402D08	Original release.	May 11, 2015

1 Certificate of Conformity

Product:	iTwinkle Wifi Module
Brand:	GE
Test Model:	NHI-85X
Sample Status:	Mass-Production
Applicant:	H.S. CRAFT MANUFACTURING CO.
Test Date:	May 4 ~ 7, 2015
Standards:	FCC Part 2 (Section 2.1091) 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 : Annie Chang , **Date:** May 11, 2015

Annie Chang / Supervisor

Approved by : Rex. Lai , **Date:** May 11, 2015

Rex Lai / Assistant Manage

2 RF Exposure

2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2412-2462	18.64	-10.24	20	0.0014	1

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