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# RF EXPOSURE REPORT

**REPORT NO.:** SA130121D10

**MODEL NO.:** NHI-610, NHI-611

**FCC ID:** YLINHI-610

**RECEIVED:** Jan. 21, 2013

**TESTED:** Jan. 24 ~ 31, 2013

**ISSUED:** Mar. 19, 2013

**APPLICANT:** H.S. CRAFT MANUFACTURING CO.

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TAIWAN

**ISSUED BY:** Bureau Veritas Consumer Products Services  
(H.K.) Ltd., Taoyuan Branch

**LAB ADDRESS:** No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,  
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A D T

## TABLE OF CONTENTS

RELEASE CONTROL RECORD .....	3
1. CERTIFICATION .....	4
2. RF EXPOSURE LIMIT.....	5
3. MPE CALCULATION FORMULA .....	5
4. CLASSIFICATION .....	5
5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER.....	6



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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130121D10	Original release	Mar. 19, 2013



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## 1. CERTIFICATION

**PRODUCT:** iTwinkle Bluetooth Module

**MODEL NO.:** NHI-610, NHI-611

**BRAND NAME:** GE

**TRADE MARK:** 

**APPLICANT:** H.S. CRAFT MANUFACTURING CO.

**TESTED:** Jan. 24 ~ 31, 2013

**TEST ITEM:** ENGINEERING SAMPLE

**STANDARDS:** FCC Part 2 (Section 2.1091)

FCC OET Bulletin 65, Supplement C (01-01)

IEEE C95.1

The above equipment has (model: NHI-611)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 :** Jessica Cheng , **DATE:** Mar. 19, 2013  
( Jessica Cheng / Specialist )

**APPROVED BY :** Ken Liu , **DATE:** Mar. 19, 2013  
( Ken Liu / Manager )



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## 2. RF EXPOSURE LIMIT

### LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm <sup>2</sup> )	AVERAGE TIME (minutes)
<b>LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE</b>				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

## 3. MPE CALCULATION FORMULA

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

where

Pd = power density in mW/cm<sup>2</sup>

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

## 4. 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**.



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## 5. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2.402 ~ 2.480	3.3	-2.67	20	0.0002	1.00

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