



RF EXPOSURE REPORT

REPORT NO.: SA120111C05A

MODEL NO.: 3RN13

FCC ID: CO2-2105

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ISSUED: Aug. 21, 2012

APPLICANT: Folksy LLC

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120111C05A	Original release	Aug. 21, 2012

1. CERTIFICATION

PRODUCT: Module

MODEL: 3RN13

BRAND: Folksy LLC

APPLICANT: Folksy LLC

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 2 (Section 2.1091)

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

IEEE C95.1

The above equipment (Model: 3RN13) 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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Andrea Hsia / Specialist

APPROVED BY : Gary Chang , DATE : Aug. 21, 2012
Gary Chang / Technical Manager

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

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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**.

2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

FREQUENCY BAND (MHz)	CONDUCTED POWER (dBm)	GAIN (dBi)	AVERAGE CONDUCTED POWER (dBm)	EIRP (dBm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
GPRS 850 (Class 8)	32.7	2	23.7	25.7	0.073	0.549
GPRS 850 (Class 10)	32.2	2	26.2	28.2	0.131	0.549
GPRS 1900 (Class 8)	30.2	2	21.2	23.2	0.041	1
GPRS 1900 (Class 10)	29.7	2	23.7	25.7	0.074	1
EGPRS 850 (Class 8)	27.2	2	18.2	20.2	0.021	0.549
EGPRS 850 (Class 10)	27.2	2	21.2	23.2	0.041	0.549
EGPRS 1900 (Class 8)	26.2	2	17.2	19.2	0.016	1
EGPRS 1900 (Class 10)	26.2	2	20.2	22.2	0.033	1

FREQUENCY BAND (MHz)	CONDUCTED POWER (dBm)	GAIN (dBi)	EIRP (dBm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
LTE band 17	24	2	26.0	0.079	0.469
WCDMA 850	24	2	26.0	0.079	0.549
LTE band 4	25	2	27.0	0.100	1
WCDMA 1900	24	2	26.0	0.079	1

Note: The maximum conducted power is taken from the tune up procedure