



RF EXPOSURE REPORT

REPORT NO.: SA120309C41
MODEL NO.: HiLoNC-3GPS
FCC ID: VW3HILONC-3GPS
RECEIVED: Mar. 09, 2012
TESTED: Mar. 23 ~ Mar. 24, 2012
ISSUED: Mar. 29, 2012

APPLICANT: Sagemcom SAS

ADDRESS: 250 Route de l'Empereur, 92848 Rueil
Malmaison Cedex France

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

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist.,
New Taipei City, Taiwan (R.O.C)

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei
Shan Hsiang, Taoyuan Hsien 333, Taiwan,
R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120309C41	Original release	Mar. 29, 2012

1. CERTIFICATION

PRODUCT: Qual-Band GSM/GPRS/EDGE Voice and Data
Module

MODEL NO.: HiLoNC-3GPS

BRAND: Sagemcom

APPLICANT: Sagemcom SAS

TESTED: Mar. 23 ~ Mar. 24, 2012

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: HiLoNC-3GPS) 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 : Ivonne Wu , **DATE** : Mar. 29, 2012
Ivonne Wu / Senior Specialist

APPROVED BY : Gary Chang , **DATE** : Mar. 29, 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

BAND	MAX POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
GSM850	33.29	0.6	20	0.487	0.55
GSM1900	30.12	-0.1	20	0.200	1