RF EXPOSURE REPORT

REPORT NO.: SA120718C10A

MODEL NO.: MC8355

FCC ID: QYL320GOBI3

ISSUED: Nov. 12, 2012

APPLICANT: Getac Technology Corporation

ADDRESS: 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist, Taipei City 11568, Taiwan, R.O.C.

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
SA120718C10A	Original release	Nov. 12, 2012

1. CERTIFICATION

PRODUCT: WWAN Module

MODEL NO.: MC8355

BRAND: Sierra

APPLICANT: Getac Technology Corporation

TEST SAMPLE: ENGINEERING SAMPLE

TESTED: Sep. 11 ~ Sep. 13, 2012

STANDARDS: **FCC Part 2 (Section 2.1091)**
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1

The above equipment (Model: MC8355) 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 / Senior Specialist , **DATE :** Nov. 12, 2012

APPROVED BY : Roy Wu / Manager , **DATE :** Nov. 12, 2012

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

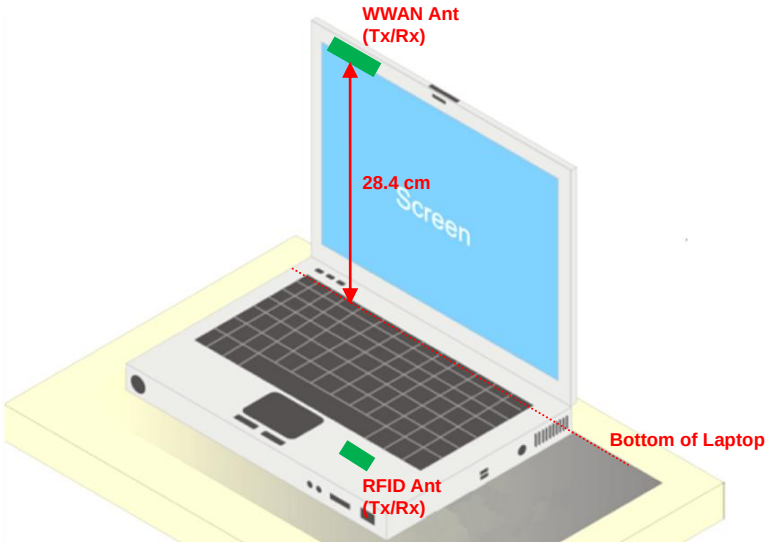
G = gain of antenna in linear scale

Pi = 3.1416

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

2.3 CLASSIFICATION

The WWAN 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

Function	Maximum Antenna Gain (dBi)	Maximum Antenna Gain (numeric)	Maximum Output Power (dBm)	Maximum Output Power (mW)	Time Averaged Power (mW)	Calculated RF Exposure at r = 20 cm (mW/cm^2)	Limit (mW/cm^2)
GSM850 (GPRS 1 Uplink)	1.5	1.41	33.04	2013.72	251.72	**0.07**	0.55
GSM850 (GPRS 2 Uplink)	1.5	1.41	32.79	1901.08	475.27	**0.13**	0.55
GSM850 (EDGE 2 Uplink)	1.5	1.41	27.25	530.88	132.72	**0.04**	0.55
GSM1900 (GPRS 1 Uplink)	2.6	1.82	30.18	1042.32	130.29	**0.05**	1.00
GSM1900 (GPRS 2 Uplink)	2.6	1.82	30.79	1199.50	299.87	**0.11**	1.00
GSM1900 (EDGE 2 Uplink)	2.6	1.82	27.30	537.03	134.26	**0.05**	1.00

Function	Maximum Antenna Gain (dBi)	Maximum Antenna Gain (numeric)	Maximum Output Power (dBm)	Maximum Output Power (mW)	Calculated RF Exposure at r = 20 cm (mW/cm^2)	Limit (mW/cm^2)
WCDMA II	2.6	1.82	24.68	293.76	**0.11**	1.00
WCDMA IV	1.0	1.26	24.58	287.08	**0.07**	1.00
WCDMA V	1.5	1.41	24.48	280.54	**0.08**	0.55
CDMA2000 BC0	1.5	1.41	24.62	289.73	**0.08**	0.55
CDMA2000 BC1	2.6	1.82	24.64	291.07	**0.11**	1.00

Note: The maximum output power is refer to the RF report of the WWAN module (FCC ID: J9CGOBI3000)

2.5 EVALUATION OF SIMULTANEOUS TRANSMISSION

There is one WWAN module and one RFID module installed in this laptop PC, and the exposure condition is mobile and portable respectively. According to KDB 616217 D01, since the maximum power of RFID is less than 60/f and the separation distance between RFID antenna and WWAN antenna is larger than 5 cm, the simultaneous transmission SAR evaluation is not required.