FCC COMPLIANCE REPORT

Order No. : **G-45-2008-00994/G**
Report No. : **F690501/RF-EMG001990**
Applicant : **Nokia Inc.**
Address of Applicant : **12278 Scripps Summit Dr.San Diego CA92131 USA**
Manufacturer : **Compal Communications(Nanjing) Co., Ltd.**
Address of Manufacturer : **Nanjing Jiangning Export Processing Zone (South Area) No. 68-2 Suyuan Street**

Equipment Under Test (EUT) :

Name : CDMA 2000 1xRTT Mobile Phone
Model No. : RM-375
FCC ID : QMNRM-375

Standards : FCC Part 15:2007, Subpart B, Class B
ANSI C63.4:2003
CISPR 22:2006
CISPR 16-2:2005

Date of Receipt : **03 April 2008**
Date of Test : **06 May 2008**
Date of Issue : **14 May 2008**

Test Result :	**PASS**

In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Forest Lee
EMC Technical Manager
SGS Testing Korea Co., Ltd.

Contents

1. General Information

1.1 Applicant Information

Applicant : Nokia Inc.

Address of Applicant : 12278 Scripps Summit Dr.San Diego CA92131 USA

1.2 Manufacturer Information

Manufacturer : Compal Communications(Nanjing) Co., Ltd.

Address of Manufacturer : Nanjing Jiangning Export Processing Zone (South Area) No. 68-2 Suyuan Street

1.3 General Description of EUT

Equipment		CDMA 2000 1xRTT Mobile Phone
Trade Name		Nokia
Model No.		RM-375
FCC ID		QMNRM-375
AC Adapter	Manufacture	ASTEC
	Brand Name	NOKIA
	Model Name	AC-6U
	Power Rating	Input:100~240 Vac, 50~60 Hz, 150 mA Output:5.0 Vdc, 550 mA
	Power Cord Type	1.7 meter non-shielded cable without ferrie core
Battery	Manufacture	PANASONIC
	Brand Name	NOKIA
	Model Name	BL-4B
	Power Rating	3.7 Vdc, 700 mAh
	Type	Li-ion
Earphone	Manufacture	Hosiden
	Brand Name	NOKIA
	Model Name	HS-49
	Signal Line Type	1.7 meter non-shielded cable without ferrie core
USB Cable	Manufacture	CHENG UEI
	Brand Name	NOKIA
	Model Name	CA-101
	Signal Line Type	1.1 meter shielded cable without ferrie core

1.4 Feature of EUT

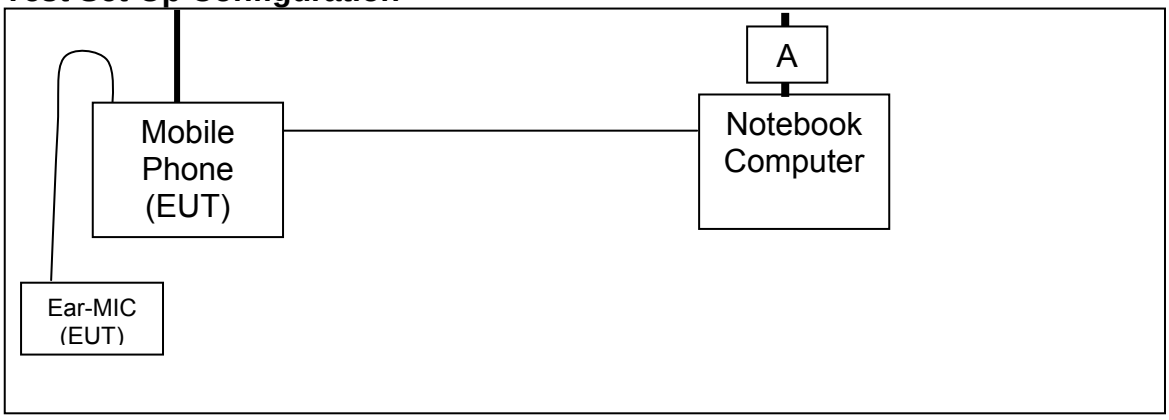
Equipment	CDMA 2000 1xRTT Mobile Phone
Model Name	RM-375
Power Supply	DC 3.7 V (Li-ion Battery 700mA)
Tx Frequency Range	Cellular: 824 ~ 849 MHz AWS: 1710 ~1755 MHz PCS: 1850 ~ 1910 MHz BT: 2402 ~ 2480 MHz
Rx Frequency Range	Cellular: 869 ~ 894 MHz AWS: 2110 ~2155 MHz PCS: 1930 ~ 1990 MHz BT: 2402 ~ 2480 MHz
Transmit Power	CDMA : ERP 24.51 dBm (282.49 mW) US PCS :EIRP 29.80 dBm (955.00 mW) AWS : EIRP 29.06 dBm (805.38 mW)
Modulation Technique	CDMA2000 :QPSK Bluetooth: GFSK, π/4DQPSK, 8DPSK
Emission Designation	1M28F9W(CDMA), 1M27F9W(AWS),1M28F9W(PCS),
Operating Conditions	-30 ~ 60℃
Antenna Type	Fixed type(BT, CDMA, US PCS, AWS)
H/W Version	4000
S/W Version	DS-1100B-GEN
MEID	268435456102530130

1.5 Description of Support Units

Product	Model No.	Serial No.	Manufacturer
Notebook Computer	2366	99-LZKB3	LG IBM

.

1.6 Test Set-Up Configuration



1.7 Opearating Mode

The Nokia Celluar/PCS CDMA Phone with Bluetooth FCC ID : QMNRM-375
Was tested with a Notebook Computer connected via USB interface port.
The phone modem drivers were installed on the computer to be able to communicate With the phone by continuously sending a querying text fele (AT commands) to the phone using HyperTermnial. For more information please see section 2.4 and section 2.5 for test data and Appendix B for set-up photographs.

1.8 Measurment Procedure

Conducted Emission Testing was performed according ANSI C63.4:2003 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.
Radiated Emission Testing was performed according to ANSI C63.4:2003 at the open field test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 10meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum.
The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

1.9 Standards Applicable for Testing

Table of tests to be carried out under FCC Part 15, Subpart B, CLASS B

Test Standards	Status
FCC Part 15,Subpart B, Class B	Applicable
Deviation from Standard	No Deviation

1.10 Summary of Results

The data collected shows that Model **RM-375** complies with of the FCC Part 15, Subpart B Rules.
The highest emission level observed was at 0.56 MHz conducted emission with a margin 8.00 dB for Quasi Peak Detector and 12.60 dB for Average Detector and at 39.70 MHz radiated emission with a margin of 4.11 dB.

Radio Disturbance

2.1 Test Results

	Results
Conducted Emission	**PASS**
Radiated Emission	**PASS**

2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz
Radiated Emission : 30 MHz - 1000 MHz

2.3 Limits Of Conducted And Radiated Emission

2.3.1 Limit Of Conducted Emission Of FCC Part 15.107

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.
(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

2.3.2 Limit Of Radiated Emission Of FCC Part 15.109

FREQUENCY (MHz)	Class A (at 10m)* uV/m(dBuV/m)	Class B (at 3m)* uV/m(dBuV/m)
30 - 88	90(39)	100(40)
88 - 216	150(43.5)	150(43.5)
216 - 960	210(46.5)	200(46)
Above 960	300(49.0)	500(54)

Note : (1) *Detector Function : Quasi-Peak
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

2.4.Test of Conducted Emission

2.4.1 Test Equipments

Equipment	Manufacturer	Model No.	Date of Calibration
Test Receiver	ESHS 10	Rohde & Schwarz	Sep. 2007
TWO-LINE V-NETWORK	NNB 41	SCHAFFNER	Sep. 2007
TWO-LINE V-NETWORK	ENV216	Rohde & Schwarz	Jan. 2008

2.4.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.
18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.4.3 Operating Environment

Temperature : 24.2 ℃ Humidity : 43.0 % RH
Atmospheric Pressure : 100.8 kPa
Description of Operating: USB mode & GPS Mode

2.4.4 Measurement Data

Measurment Bandwidth : 9 kHz

Date of Test : 06 May 2008

FREQ.	LEVEL(dBμV)		LINE	LIMIT(dBμV)		MARGIN(dB)	
(MHz)	Q-Peak	Average		Q-Peak	Average	Q-Peak	Average
0.56	48.00	33.40	H	56.00	46.00	8.00	12.60
0.89	44.60	27.30	H	56.00	46.00	11.40	18.70
1.27	43.10	27.40	H	56.00	46.00	12.90	18.60
1.69	41.20	29.80	H	56.00	46.00	14.80	16.20
1.91	42.40	31.00	H	56.00	46.00	13.60	15.00
2.59	41.00	30.40	H	56.00	46.00	15.00	15.60

John Oh / Test Engineer

2.5 Test of Radiated Emission

2.5.1 Test Instruments

Description	Manufacturer	Model No.	Date of Calibration
Amplifier	8447F	H/P	Sep. 2007
Test Receiver	ESVS10	Rohde & Schwarz	Apr. 2008
Bi-Log Antenna	HL562	Rohde & Schwarz	Oct. 2007
Spectrum Analyzer	8593E	HP	Sep. 2007

2.5.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.
18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.5.3 Operating Environment

Temperature : 24.2 °C Humidity : 43.0 %RH
Atmospheric Pressure : 100.8 kPa
Description of Operating: USB mode & GPS Mode

2.5.4 Measurement Data

Measurment Bandwidth : 120 kHz

Date of Test : 06 May 2008

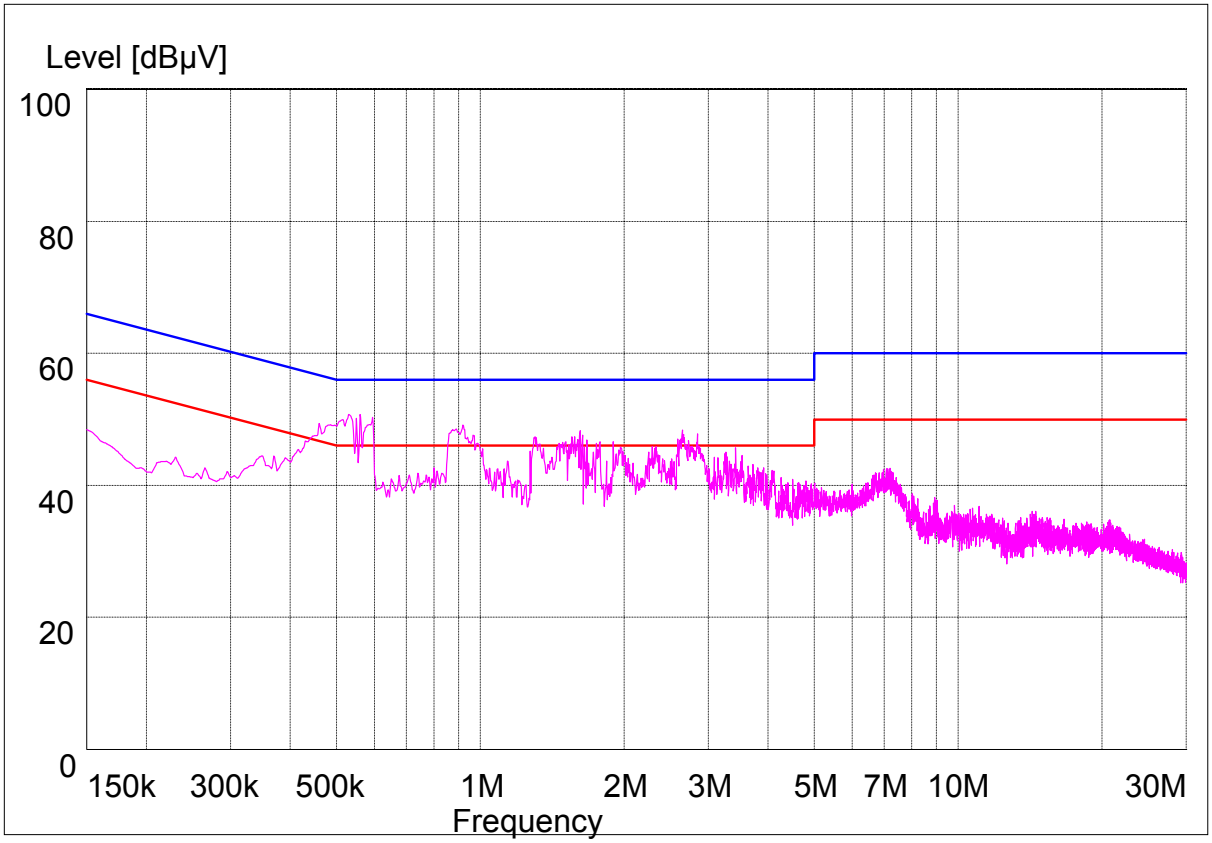
FREQ. (MHz)	LEVEL (dBμV)	POL (H/V)	AF (dB)	CL (dB)	F/S (dBμV/m)	LIMIT (dBμV/m)	MARGIN (dB)
39.70	20.60	V	14.49	0.81	35.89	40.00	4.11
144.00	25.50	H	8.08	1.56	35.14	43.50	8.36
464.76	24.10	V	14.83	2.87	41.81	46.00	4.19
799.38	14.30	V	19.60	3.86	37.75	46.00	8.25

* *AF = Antenna Factor.* ** *CL = Cable Loss*
*** *Margin=Each Frequency Limit Level(dBuV) - (Level+AF+CL)*

John Oh / Test Engineer

Appendix A : Mains Terminal Continuous Disturbance Voltage Test Data

Neutral



HOT