

MPE REPORT

Report No.: SRMC2006-H024-E002

Equipment Type Name: CDMA Fixed Wireless Phone

Equipment type: Indigo FWT-200E

Manufacture: MAYBROOKE ENTERPRISES INC.

Specification: FCC Part2.1093,

OET Bulletin 65 Supplement [June 2001]

FCC ID: UN3FWT-200E

STATE RADIO MONITORING CENTER (SRMC)

No.80 Beilishi Road Xicheng District Beijing, China

Tel: 86-10-68009181 Fax: 86-10-68009195



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1. General information

1.1 Notes of the test report

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The test results relate only to individual items of the samples which have been tested.

1.2 Information about the testing laboratory

Company: State Radio Monitoring Center
Address: No.80 Beilishi Road, Xicheng District, Beijing China
100037
City: Beijing
Country or Region: China
Contacted person: Wang Junfeng
Tel: +86 10 68009181
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Email: Wangjf@srcc.org.cn

1.3 Applicant's details

Company: MAYBROOKE ENTERPRISES INC.
Address: Edificio Torre MMG, Piso 14, Calle 53E Urb. Marbella
Panama City, PANAMA 0831-01587
City: Panama City
Country or Region: PANAMA
Grantee Code: UN3
Contacted person: Robert J Scodellaro
Tel: + (507) 265 7691
Fax: + (507) 223-1467
Email: maybrooke@ptycmd.com

1.4 Manufacturer's details

Company: MAYBROOKE ENTERPRISES INC.
Address: Edificio Torre MMG, Piso 14, Calle 53E Urb. Marbella
Panama City, PANAMA 0831-01587
City: Panama City
Country or Region: PANAMA
Grantee Code: UN3
Contacted person: Robert J Scodellaro
Tel: + (507) 265 7691
Fax: + (507) 223-1467
Email: maybrooke@ptycmd.com



1.5 Application details

Date of receipt of application: 18th Sep. 2006

Date of receipt of test sample: 22th Sep. 2006

Date of test: 26th Sep. 2006 to 28th Sep. 2006

1.6 Reference specification

FCC Part2.1093, OET Bulletin Supplement [June 2001]

1.7 Information of EUT

1.7.1 General information

Name and type of EUT	CDMA Fixed Wireless Phone
FCC ID	UN3FWT-200E
Frequency range	PCS1900: Tx:1850~1910MHz Rx:1930~1990MHz
Rated output power	23.0dBm
Modulation type	CDMA
Duplex mode	FDD
Duplex spacing:	80MHz
Antenna type	External
Power Supply	Battery or charger
Rated Power Supply Voltage	3.7V
Extreme Temperature	-30°C~+50°C



1.7.2 EUT details

Name	Model	Serial number
CDMA Fixed Wireless Phone	Indigo FWT-200E	Sample 1

1.7.3 Auxiliary equipment details

Equipment	Charger
Manufacturer	Pacific Tel
Model Number	P-010B-B818

Equipment	Battery
Manufacturer	Pacific Tel
Model Number	-----
Capacity	1200mAh
Rated Voltage	3.7V



The State Radio Monitoring Center

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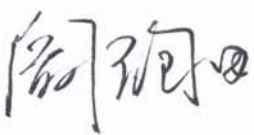
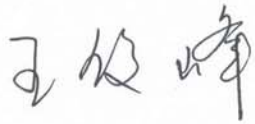
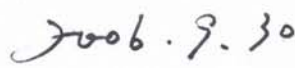
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2. Test information:

2.1 Summary of the calculation results:

No.	Test case	FCC reference	Verdict
1	MPE Calculation	FCC Part2.1093, OET Bulletin 65 Supplement [June 2001]	Pass

This Test Report Is Issued by: 	Checked By: 
Tested By: 	Issued date: 



2.2 Calculation result

2.2.1 Maximum Permissible Exposure (MPE)

Limit:

FCC LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure ☐

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	100*	6
3.0-30	1842/f	4.89/f	(900/f ²) *	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure ☒

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	100*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

Calculation procedure:

In accordance with 47CFR FCC Part 2.1091, the product has been defined as a mobile device where a distance of 0.4m normally can be maintained between the user and product.

Calculation formula:

Power Density: $P_d (W/m^2) = E^2/377$

$E (V/m) = (30 \cdot P \cdot G)^{0.5} / d$

E: Electric Field Strength (V/m)



P: Peak RF Output Power (W)

G: Antenna Numeric Gain (Numeric)

d: Separation Distance Between the Radiator and Human Body (m)

So the calculation formula can be changed as:

$$P_d = (30 * P * G) / (377 * d^2)$$

Calculation result:

Channel No.	Antenna Gain (Numeric)	Peak Output Power (dBm)	Peak Output Power (W)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Verdict
25	1.17	23.2	0.209	0.0122	1.0	Pass
600	1.17	23.0	0.199	0.0116	1.0	Pass
1175	1.17	23.1	0.204	0.0119	1.0	Pass