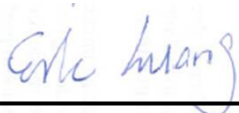


RF Exposure Evaluation Report

APPLICANT : Gibi Technologies Incorporated
EQUIPMENT : PET location service provider
BRAND NAME : Gibi Technologies Incorporated
MODEL NAME : GIBI01
FCC ID : 2ABUGGIBI01
STANDARD : 47 CFR Part 2.1091

We, SPORTON INTERNATIONAL INC., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091, and pass the limit. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.



Reviewed by: Eric Huang / Deputy Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.



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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA421343	Rev. 01	Initial issue of report	Jul. 29, 2014

**1. Administration Data****1.1. Testing Laboratory**

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978

1.2. Applicant

Company Name	Gibi Technologies Incorporated
Address	2120 Camino De Los Robles. Menlo Park. CA 94025. USA

1.3. Manufacturer

Company Name	Daviscomms (Malaysia) Sdn Bhd
Address	Plot 18, Lorong Perusahaan Maju 1, Kawasan, Perusahaan Perai 4, 13600 Perai, Malaysia

2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	PET location service provider
Brand Name	Gibi Technologies Incorporated
Model Name	GIBI01
FCC ID	2ABUGGIBI01
IMEI Code	357330050017326
Wireless Technology and Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz
Mode	• GPRS/EGPRS • RMC 12.2Kbps • HSDPA • HSUPA
Antenna Type	PIFA Antenna
HW Version	R02
SW Version	R01
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

3. Maximum RF average output power among production units

Mode	Burst Average power(dBm)	
	GSM 850	GSM 1900
GPRS (GMSK, 1 Tx slot)	33.0	30.0
GPRS (GMSK, 2 Tx slots)	30.0	27.0
GPRS (GMSK, 3 Tx slots)	29.0	25.0
GPRS (GMSK, 4 Tx slots)	28.0	24.0
EDGE (8PSK, 1 Tx slot)	27.0	25.0
EDGE (8PSK, 2 Tx slots)	25.0	23.0
EDGE (8PSK, 3 Tx slots)	23.0	21.0
EDGE (8PSK, 4 Tx slots)	22.0	20.0

Mode	Average power(dBm)	
	WCDMA Band V	WCDMA Band II
RMC 12.2K	24.5	22.5
HSDPA Subtest-1	24.5	22.5
HSUPA Subtest-5	23.0	21.0

4. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
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				
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

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna



5. Radio Frequency Radiation Exposure Evaluation

5.1. Standalone Power Density Calculations

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Maximum EIRP (W)	Average EIRP (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
GPRS 850 (1 Tx slot)	824.2	1.37	33.0	34.370	2.735	344.350	0.069	0.549
GPRS 850 (2 Tx slots)	824.2	1.37	30.0	31.370	1.371	344.350	0.069	0.549
GPRS 850 (3 Tx slots)	824.2	1.37	29.0	30.370	1.089	408.319	0.081	0.549
GPRS 850 (4 Tx slots)	824.2	1.37	28.0	29.370	0.865	433.511	0.086	0.549
EGPRS 850 (1 Tx slot)	824.2	1.37	27.0	28.370	0.687	86.497	0.017	0.549
EGPRS 850 (2 Tx slots)	824.2	1.37	25.0	26.370	0.434	108.893	0.022	0.549
EGPRS 850 (3 Tx slots)	824.2	1.37	23.0	24.370	0.274	102.565	0.020	0.549
EGPRS 850 (4 Tx slots)	824.2	1.37	22.0	23.370	0.217	108.893	0.022	0.549
GPRS 1900 (1 Tx slot)	1850.2	1.37	30.0	31.370	1.371	172.584	0.034	1.000
GPRS 1900 (2 Tx slots)	1850.2	1.37	27.0	28.370	0.687	172.584	0.034	1.000
GPRS 1900 (3 Tx slots)	1850.2	1.37	25.0	26.370	0.434	162.555	0.032	1.000
GPRS 1900 (4 Tx slots)	1850.2	1.37	24.0	25.370	0.344	172.584	0.034	1.000
EGPRS 1900 (1 Tx slot)	1850.2	1.37	25.0	26.370	0.434	54.576	0.011	1.000
EGPRS 1900 (2 Tx slots)	1850.2	1.37	23.0	24.370	0.274	68.707	0.014	1.000
EGPRS 1900 (3 Tx slots)	1850.2	1.37	21.0	22.370	0.173	64.714	0.013	1.000
EGPRS 1900 (4 Tx slots)	1850.2	1.37	20.0	21.370	0.137	68.707	0.014	1.000
WCDMA Band 5	826.4	1.37	24.5	25.870	0.386	386.367	0.077	0.551
WCDMA Band 2	1852.4	1.37	22.5	23.870	0.244	243.781	0.049	1.000

Note: For conservativeness, the lowest uplink frequency of each band is used to determine the MPE limit of that band

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.