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[info@flomlabs.com](mailto:info@flomlabs.com)

Date: December 4, 2007

Applicant: Ensync Technologies  
3500 Lakeside CT. Suite 110  
Reno NV, 89509

Attention of: Steven Jessup  
sjessup@ensync.com  
Phone: 775-224-4653  
FAX: 775-826-7345

Equipment: RF2400  
FCC ID: VVVRF24BLK  
FCC Rules: Radio Frequency Radiation Exposure Limits  
47 CFR 1.1310  
MPE - Mobiles  Fixed Based Station

Gentlemen:

Enclosed please find your copy of the Supplemental Test Data Report, the whole for Environmental Assessment (MPE) of the referenced equipment as shown.

Please allow from 8-12 weeks to hear from the Commission, who may request additional data or information, and even a sample for pre-grant audit testing.

Should you need any clarification, just fax or phone. Thank you again for this order - it has been a pleasure to be of service.

Sincerely yours,

Hoosamuddin S. Bandukwala, Lab Director



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Date: December 4, 2007

Federal Communications Commission  
Via: Electronic Filing

Attention: Authorization & Evaluation Division

Applicant: Ensync Technologies  
Equipment: RF2400  
FCC ID: VVVRF24BLK  
FCC Rules: Radio Frequency Radiation Exposure Limits  
47 CFR 1.1310  
MPE - Mobiles  Fixed Based Station

Gentlemen:

On behalf of the Applicant, enclosed please find the Supplemental Test Data Report, the whole for Environmental Assessment (MPE) of the referenced equipment as shown.

We trust the same is in order. Should you need any further information, kindly contact the writer who is authorized to act as agent.

Sincerely yours,

Hoosamuddin S. Bandukwala, Lab Director



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## Environmental Assessment

for

### Mobiles

for

**FCC ID: VVVRF24BLK**

Model:RF2400

to

**Federal Communications Commission**

**47 CFR 1.1310**

Radio Frequency Radiation Exposure Limits

**Date Of Report:** December 4, 2007

Applicant: Ensyc Technologies  
3500 Lakeside CT. Suite 110  
Reno NV, 89509

Attention of: Steven Jessup  
[sjessup@ensyc.com](mailto:sjessup@ensyc.com)  
Phone: 775-224-4653  
FAX: 775-826-7345

Supervised By:

Hoosamuddin S. Bandukwala, Lab Director

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Required information per ISO 17025-2005, paragraph 5.10:

a)

**Test Report (Supplemental)**

b) Laboratory:  
(FCC: 31040/SIT)  
(Canada: IC 2044)

Flom Test Labs  
3356 N. San Marcos Place, Suite 107  
Chandler, AZ 85225

c) Report Number:

d07c0006

d) Client:

Ensync Technologies

e) Identification:

RF2400

Description:

UHF (900 MHz) RFID reader

f) EUT Condition:

Not required unless specified in individual tests.

g) Report Date:

December 4, 2007

h, j, k):

As indicated in individual tests.

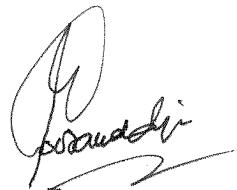
i) Sampling method:

No sampling procedure used.

l) Uncertainty:

In accordance with FTL internal quality manual.

m) Supervised by:



Hoosamuddin S. Bandukwala, Lab Director

n) Results:

The results presented in this report relate only to the item tested.

o) Reproduction:

This report must not be reproduced, except in full, without written permission from this laboratory.

**Identification of the Equipment Under Test (EUT)**
**Name and Address of Applicant:**

**Name and Address of Applicant:** Ensync Technologies

**Manufacturer:** Ensync Technologies

**FCC ID:** VVVRF24BLK

**Model Number:** RF2400

**Description:** UHF (900 MHz) RFID reader

**Type of Emission:** ASK

**Frequency Range, MHz:** 902.75 to 927.25

**Power Rating, Watts:** 280 mW  
 Switchable  Variable  N/A

**Modulation:**  
 AMPS  
 TDMA  
 CDMA  
 OTHER

**Antenna:**  
 Helical  
 Monopole  
 Whip  
 Other  
 2.15 dBi Dipole

**A2LA**

“A2LA has accredited Flom Test Labs, Inc. Chandler, AZ for technical competence in the field of Electrical testing. The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO 17025:2005 ‘General Requirements for the Competence of Testing and Calibration Laboratories’ and any additional program requirements in the identified field of testing.”

Please refer to [www.a2la.org](http://www.a2la.org) for current scope of accreditation.

Certificate number: 2152.01



**Standard Test Conditions  
and  
Engineering Practices**

Except as noted herein, the following conditions and procedures were observed during the testing:

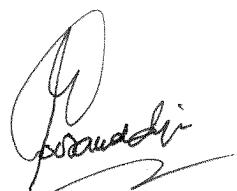
In accordance with ANSI C63.4-2004 and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104 °F) unless the particular equipment requirements specify testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing.

Measurement results, unless otherwise noted, are worst-case measurements.

<b>Name of Test:</b>	Environmental Assessment		
<b>Specification:</b>	FCC: 47 CFR 1.1310		
<b>Measurement Guide:</b>	ANSI/IEEE C95.1 1992		
<b>Name of Test:</b>	R.F. Radiation Exposure		
FCC Rules:	1.1307, 1.1310, 1.1311, 2.1091		
Limits: Uncontrolled Exposure 47 CFR 1.1310 Table 1, (B)	0.3-1.234 MHz: 1.34-30 MHz: 30-300 MHz: 300-1500 MHz: 1500-100,000 MHz:	Limit $[\text{mW/cm}^2] = 100$ Limit $[\text{mW/cm}^2] = (180/f^2)$ Limit $[\text{mW/cm}^2] = 0.2$ Limit $[\text{mW/cm}^2] = f/1500$ Limit $[\text{mW/cm}^2] = 1.0$	
Test Frequency, MHz	902.750		
Power, Conducted, W (P)	280 mW		
Antenna Gain Isotropic	2.15 dBi		
Antenna Gain Numeric (G)	1.64		
Antenna Type	Dipole		
Distance (D)	20 cm		
Power Density Calculations	Formula = Power Density (S) = Limit =		$S = PG / 4\pi R^2$ 0.0913 $\text{mW/cm}^2$ 0.603 $\text{mW/cm}^2$

Supervised By:

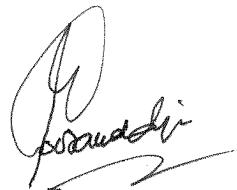


Hoosamuddin S. Bandukwala, Lab Director

**Testimonial  
and  
Statement of Certification**

**This is to certify that:**

1. **That** the application was prepared either by, or under the direct supervision of, the undersigned.
2. **That** the technical data supplied with the application was taken under my direction and supervision.
3. **That** the data was obtained on representative units, randomly selected.
4. **That**, to the best of my knowledge and belief, the facts set forth in the application and accompanying technical data are true and correct.



Certifying Engineer:

Hoosamuddin S. Bandukwala, Lab Director