



**ACMETESTING**  
WORLDWIDE EMC & PRODUCT SAFETY SERVICES

13 February, 2004

George Sarkis  
Athena Feminine Technologies, Inc.  
179 Moraga Way  
Orinda, CA 94563

Dear Mr. Sarkis,

Enclosed is the Test Report for the Athena Pelvic Muscle Trainer (PMT), Model E03946001. Please check it thoroughly for discrepancies.

This is an official copy of your report, complete with the original Acme Testing Co. staff signatures. You should retain this report as the official record of testing, as proof of compliance in the future. Please note that FCC Regulation requires that you, as the "responsible party" keep this data for a period of three (3) years after the equipment is last placed on the market. Please be aware that our internal controls require us to retain a historical copy of your report on file for a three-year period, after which our copy of your report will be destroyed.

Thank you for your business and we look forward to being of service should you require testing services in the future.

Sincerely,

Harry H. Hodes  
Principal EMC Engineer  
President & CEO

:sg  
Enclosure

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TEST REPORT  
47 CFR PART 15C SECTION 15.231  
and  
47 CFR PART 15B SECTION 15.109

SYSTEM: ATHENA PELVIC MUSCLE TRAINER (PMT)  
DEVICE: WIRELESS CONTROL UNIT  
(47 CFR PART 15C SECTION 15.231)  
DEVICE: TRAINER UNIT (47 CFR PART 15B SECTION 15.109)  
MODEL: E03946001  
MANUFACTURER: ATHENA FEMININE TECHNOLOGIES, INC.  
ADDRESS: 179 MORAGA WAY  
ORINDA, CA 94563

WORK ORDER: 03-EMC-0911-0258

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## 1. General

### 1.1 Document History

REVISION	DATE	COMMENTS
-	28 January 2004	Initial Release, Harry H. Hodes
A	12 February 2004	Corrections on Page 22, Harry H. Hodes


Note: Acme Testing Co. hereby makes the following statements so as to conform with Chapter 10 (Test Reports) Requirement of ANSI C63.4:1992 "Methods and Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz":

- The units described in this report were received at Acme Testing Co.'s facilities on 27 October 2003. Testing was performed on the units described in this report on 29 and 30 October 2003.
- The Test Results reported herein apply only to the Units actually tested, and to substantially identical Units.
- This test report must not be used to claim product endorsement by A2LA or any agency of the U.S. Government, or any other foreign government.

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### 1.2 Purpose

The purpose of this FCC Certification Procedure Test Report is to document the compliance of the Athena Pelvic Muscle Trainer (PMT) Wireless Control unit to the FCC Rules for Unlicensed Intentional Radiators under 47 CFR Part 15 Subpart C, Section 15.231 – "Periodic operation in the band 40.66 – 40.70 MHz and above 70 MHz". Note that this Test Report also contains an Annex providing an FCC Declaration of Conformity Procedure Summary Test Report that documents the compliance of the Athena Muscle Trainer (PMT) Trainer unit to the FCC Rules for Unintentional Radiators (Digital Devices) under 47 CFR Part 15 Subpart B Section 15.109.

  
BRIAN WIKE  
ASSOCIATE EMC ENGINEER

**1.3 Responsible Party**

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**2. Manufacturer**

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Fax: 509-927-5248

**2.1 Test location**

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Fax: 360 595-2722  
E-mail: acmetest@acmetesting.com  
Web: www.acmetesting.com

**2.2 Accreditations and Listings**

Acme Testing Co.'s Quality Management System is registered to ISO 9001:2000(e) by QMI under Certificate Numbers: CC1828-010083 (Acme, WA.) and CC1828-014276 (Plummer, ID.). Acme Testing Co.'s test facilities are accredited by A2LA to ISO 17025:1999(e) for a specific scope of accreditation which includes the tests detailed herein, under Certificate Numbers: 0829-01 (Acme, WA), and 0829-02 (Plummer, ID). Acme Testing Co.'s test facilities that are used to perform Radiated and Conducted Emissions are currently registered with the Federal Communications Commission under Registration Numbers: 90420 (Acme, WA), and 96502 (Plummer, ID). In addition, Acme Testing Co.'s test facilities are also registered with the Industry Canada under Registration Numbers: IC3251 (Acme, WA), and IC3618 (Plummer, ID).

### 3. Test Results Summary

#### Summary of Test Results

Requirement	47 CFR Section	Test Result
• Wireless Control Unit:		
Periodic Operation	15.231(a)	Pass*
Signal Strength of Fundamental	15.231(b)	Pass
Radiated Spurious Emissions	15.231(b), 15.209	Pass
Occupied Bandwidth	15.231(c)	Pass
Antenna Requirement	15.203	Pass
• Trainer Unit:		
(Receiver) Radiated Emissions	15.109	Pass


\*Note: Section 15.231(a)(1) was applicable; Sections 15.231(a)(2), 15.231(a)(3), and 15.231(a)(4) were not applicable.

The signed original of this report, supplied to the client, represents the only “official” copy. Retention of any additional copies (electronic or non-electronic media) is at Acme Testing Co.’s discretion to meet internal requirements only. The client has made the determination that EUT Condition, Characterization, and Mode of Operation are representative of production units, and meet the requirements of the specifications referenced herein.

Consistent with Industry practice, measurement and test equipment not directly involved in obtaining measurement results but having an impact on measurements (such as cable loss, antenna factors, etc.) is factored into the “Correction Factor” documented in certain test results. Instrumentation employed for testing meets tolerances consistent with known Industry Standards and Regulations.

The measurements contained in this report were made in accordance with the referenced stand. Acme Testing Co. assumes responsibility only for the accuracy and completeness of this data as it pertains to the sample tested.

REVIEWED AND APPROVED BY:

  
 \_\_\_\_\_  
 Harry H. Hodes  
 President/CEO  
 Principal EMC Engineer

12 FEBRUARY 2004  
 \_\_\_\_\_  
 Date of Issuance

## 4. Description of Equipment and Peripherals

### 4.1 Equipment Under Test (EUT)

System: Athena Pelvic Muscle Trainer (PMT) system, consisting of the Wireless Control unit, and, the Trainer unit (i.e. the Probe). Note: The Wireless Control unit is a transmit-only device, and the Trainer unit is a receive-only device. The Wireless Control unit was the EUT for the 47 CFR Part 15C Section 15.231 tests, and the Trainer unit was the EUT for the 47 CFR Part 15B Section 15.109 tests.

Model Number: E03946001

Serial Numbers: Proto Type #1/#420

FCC ID: RMLE03946001

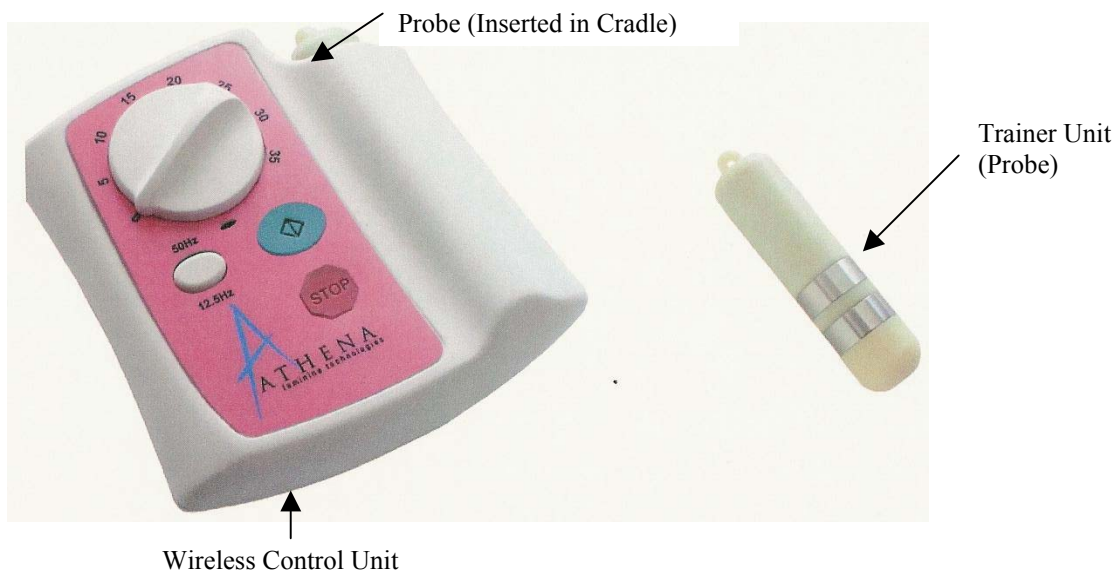
Power: User-replaceable batteries (Quantity = 4 “AAA”) in the Wireless Control unit.

Power: Non-replaceable Lithium (3.6 V Nominal) battery in the Trainer unit. (Note: The entire Trainer unit is a disposable device).

Grounding: None

Size of Transmitter: 11 cm x 12 cm x 3 cm

Size of Receiver: 2.3 cm Diameter x 9.7 cm Long



### 4.2 Support Equipment Used During Testing

Device	Manufacturer	Model Number	FCC ID	Serial Number
<b>EUT Monitoring</b>				
Oscilloscope*	Tektronix	TDS220	None	B022499
Spectrum Analyzer**	Hewlett Packard	E7401A	None	US39150147
Log Periodic Antenna**	EMCO	3146	None	9402-3773

\*Note: Used only to check Trainer unit (Probe) functionality (Pretest).

\*\*Note: Used only to check the Wireless Control unit functionality (Pretest).



### 4.3 Modes of Operation During Testing

Wireless Control Unit:

15.231(a): An unmodified transmitter (i.e. Wireless Control unit) was used to determine the time “on” of the transmission.

15.231(b,c) and 15.209: A transmitter that was modified to provide continuous transmissions (i.e. a modified Wireless Control unit) was used for determining the Duty Cycle, Fundamental Emission, Spurious Emissions and the Occupied Bandwidth.

Trainer Unit:

15.109: Two normal (i.e. unmodified) Probes were used. One Probe was set (via the Wireless Control unit) to output 12.5 Hz pulses, and the second Probe was set (via the Wireless Control unit) to output 50 Hz pulses. The outputs of the Probes were set at the upper range (35 Volts) during testing.

### 4.4 Modifications Required for Compliance

The Firmware in the Wireless Control unit was updated to make Transmit Time less than 5 seconds.