APPENDIX I

TO

TEST REPORT NO. RSI-2394E

ELECTROMAGNETIC EMISSIONS EVALUATION TESTS

PER FCC PART 15, CLASS B

OF THE

PERIMETER TECHNOLOGIES, INC.

MODEL: PET STOP DEVICE

12 MAY 2005

PREPARED FOR:

Perimeter Technologies, Inc.
9933 Alliance Road
Cincinnati, OH 45252

SUBMITTED BY:

Radiation Sciences Inc.
3131 Detwiler Road
Harleysville, PA 19438

PREPARED BY:

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Daniel Signore
President
Radiation Sciences Inc.

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ADMINISTRATIVE DATA

TEST PERFORMED:

Measurement of Conducted ElectroMagnetic Emissions.

PURPOSE OF TEST:

To evaluate the ElectroMagnetic Emissions (EME) characteristics of the Equipment Under Test with respect to Subpart B of Part 15 of the Federal Communications Commission (FCC) Rules for Class B Intentional Radiators.

EQUIPMENT UNDER TEST (EUT):

Model: Pet Stop Device

Serial #: nsn

CONTRACT:

Purchase Order Number: n/a

TEST PERIOD:

4 May 2005

TEST FACILITY:

Radiation Sciences Incorporated (RSI), EMC Laboratory, located at: 3131 Detwiler Road, Harleysville, Pennsylvania 19438.

TEST PERSONNEL AND COORDINATORS:

Radiation Sciences Inc.

Ron Smith
Daniel Signore

Perimeter Technologies, Inc.

Maria Touchton

SUMMARY OF TEST RESULTS

The **Pet Stop Device**, manufactured by **Perimeter Technologies, Inc.** of Cincinnati, Ohio, configured as described within, **FULLY COMPLIES WITH THE REQUIREMENTS SET FORTH IN SUBPART B OF PART 15 OF THE FEDERAL COMMUNICATIONS COMMISSION RULES FOR CLASS B INTENTIONAL RADIATORS.**

The test results contained in this report represent emission and/or immunity characteristics of only the product(s) (model and serial no.) tested. Radiation Sciences Inc. makes no claim that identical test results will be obtained for future tests of the same model/equipment.

1.0 INTRODUCTION

This document is a report of tests to determine the FCC Compliance of the Power Line Emissions of the **Pet Stop Device**, manufactured by **Perimeter Technologies, Inc.** of Cincinnati, Ohio.

The Power Line Emissions tests for the **Pet Stop Device** were retested due to the fact that the initial test results (12/02) were plotted against outdated FCC limits. This Appendix I to the original RSI test report presents the new test data and becomes a part of RSI Test Report # RSI-2394E.

All test procedures used meet the requirements of the American National Standards Institute Procedure C63-4: **Methods of Measurement of Radio-Noise from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz**, 2003.

2.0 TEST INSTRUMENTATION

RSI INV NO.	DESCRIPTION	MANUFACTURER	MODEL	SERIAL	CAL DUE DATE
32.1	SPEC. ANALY.	H.P.	8566B	3638A08767	8/13/2005
33.1	SPEC. ANALY. DISPLY	H.P.		3701A22258	8/13/2005
177	COMPUTER	H.P. SYSTEM	300 SERIES	NSN / CART	
245	LISN	SOLAR	8028-50-TS-24-BNC	830525	2/23/2007
246	LISN	SOLAR	8028-50-TS-24-BNC	830526	2/23/2007
474	TRANSFORMER	G.E.	9T51B33G3	NSN	
704	27ft Cable RG-223	PASTERNACK	BNC TO BNC	NSN	9/16/2005

IF CAL DUE DATE = BLANK FIELD
Calibration is not required. This equipment is not used to obtain a final reading.
EXAMPLE: Transmitting antenna

3.0 TEST RESULTS

This section contains the results, setup diagrams and photographs, and procedures used for the testing performed on the **EUT**.

3.1 Conducted Emissions Test Results

Conducted Emissions testing was performed to the requirements of FCC Part 15.

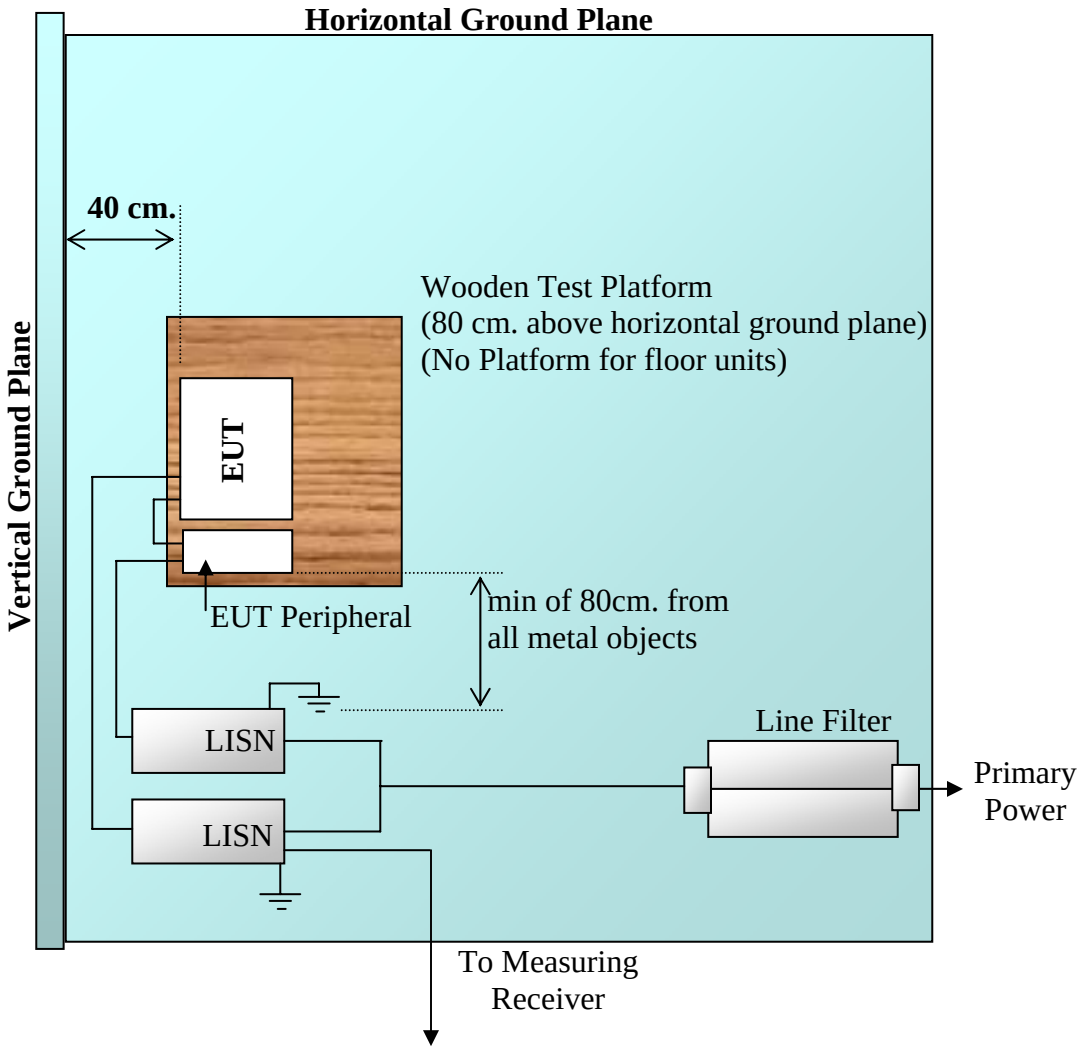
The **EUT** was placed on a table 80cm above the ground plane in a shielded chamber. The rear of the **EUT** was positioned at the edge of a 1m x 1.5m tabletop that was 40cm from the vertical ground plane. Filtered power was fed through 50µfd LISN's to the **EUT**. An HP Spectrum Analyzer system was used to perform testing of for the power line Conducted Emissions.

Peak levels that were above the limit were retested manually using a Rohde and Schwartz receiver in a Quasi Peak and Average detector function.

The test setup diagram is shown in Figure 1 and photographs of the test setup are shown in Figure 2.

The results of Conducted Emissions testing are shown in Figures 3 and 4.

THE EUT COMPLIES WITH THE CLASS B LIMITS OF FCC PART 15 FOR CONDUCTED EMISSIONS.



Conducted Emissions Test Setup Diagram (Top View)
Figure 1

Conducted Emissions Test Setup Photographs
Figure 2

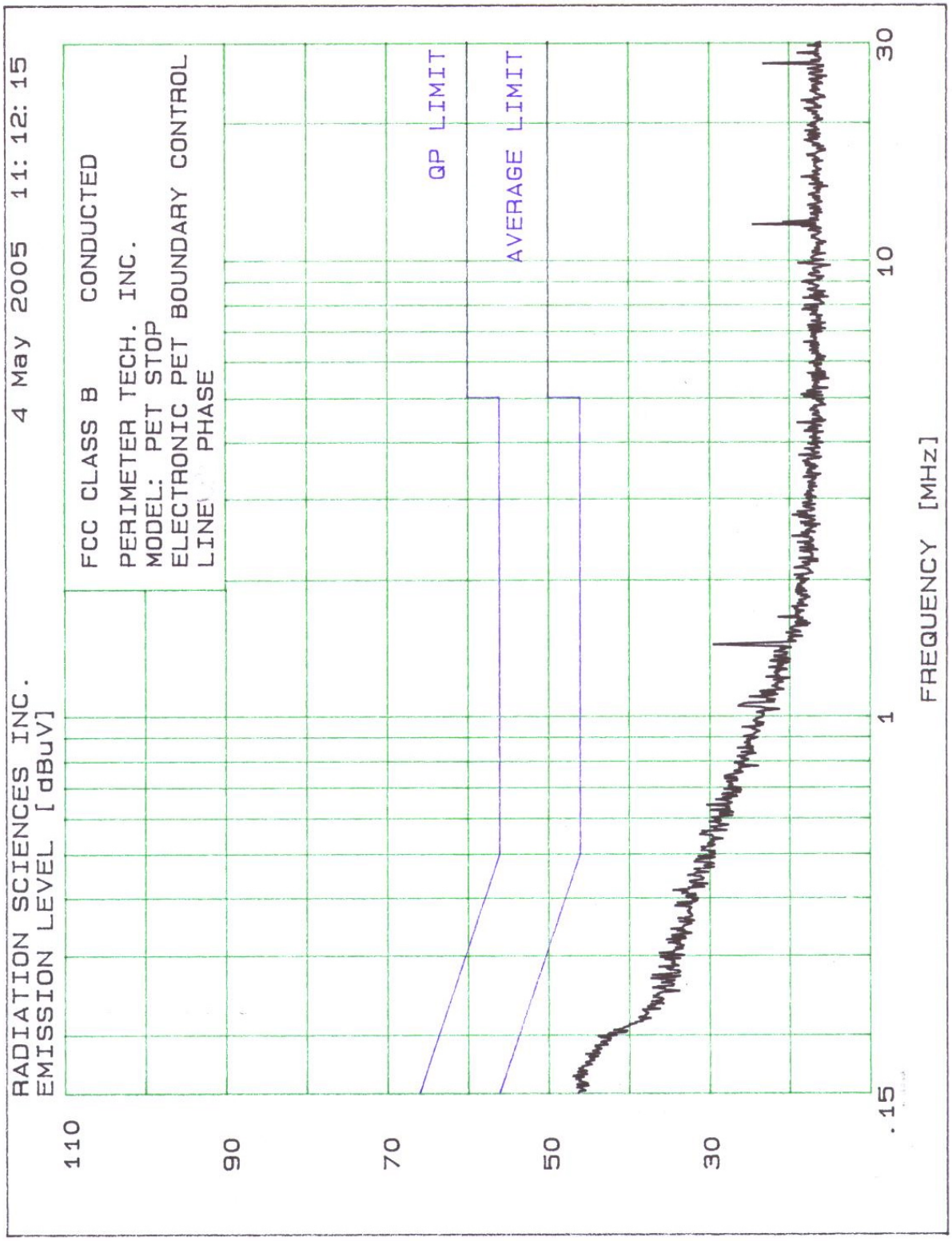

RADIATION SCIENCES INC.
EMISSION LEVEL [dBuV]
4 May 2005 11:12:15
FCC CLASS B CONDUCTED
PERIMETER TECH. INC.
MODEL: PET STOP
ELECTRONIC PET BOUNDARY CONTROL
LINE PHASE
QP LIMIT
AVERAGE LIMIT
110
90
70
50
30
.15
1
10
30
FREQUENCY [MHz]

Figure 3

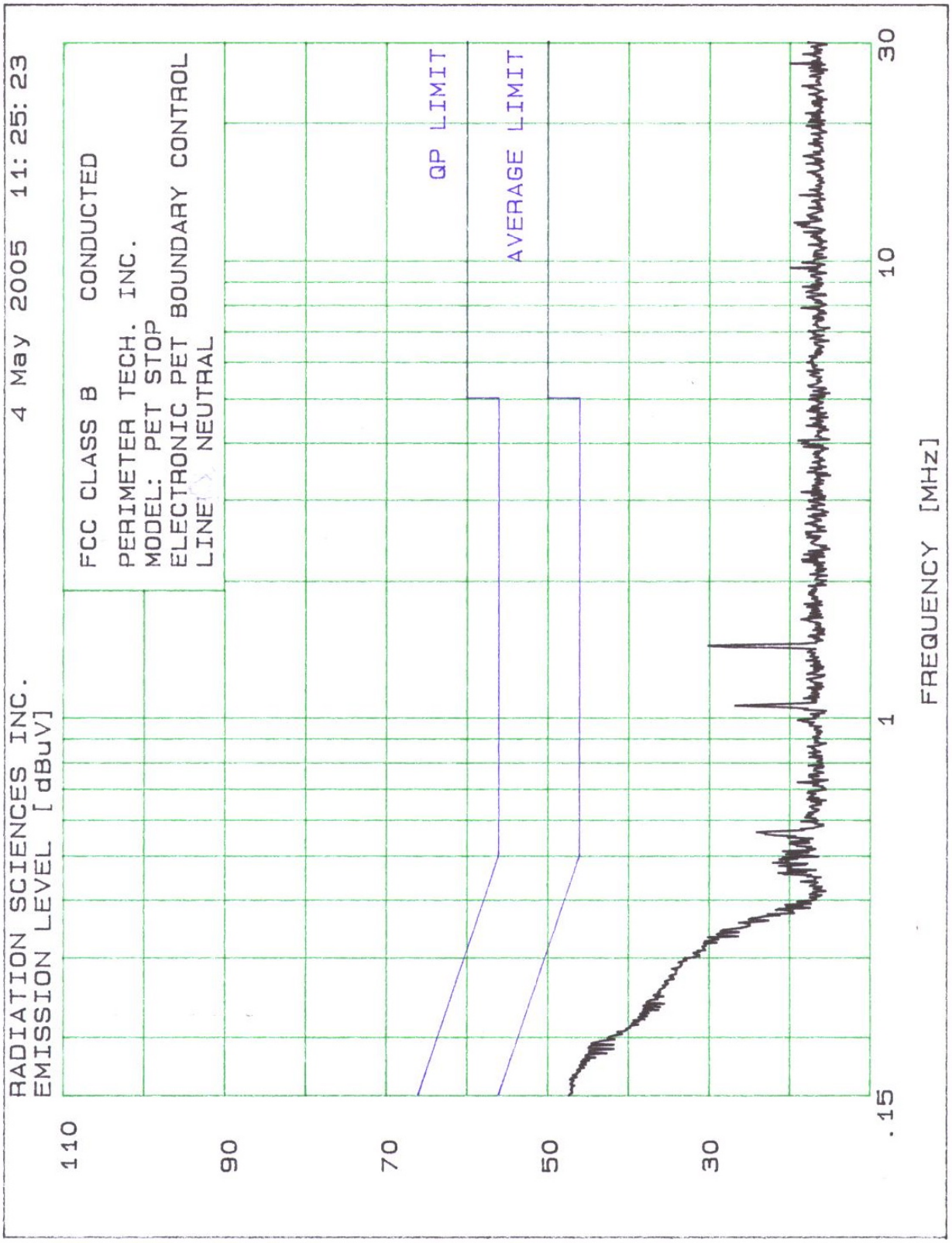

RADIATION SCIENCES INC.
EMISSION LEVEL [dBuV]
4 May 2005 11:25:23
FCC CLASS B CONDUCTED
PERIMETER TECH. INC.
MODEL: PET STOP
ELECTRONIC PET BOUNDARY CONTROL
LINE NEUTRAL
QP LIMIT
AVERAGE LIMIT
110
90
70
50
30
.15
1
10
30
FREQUENCY [MHz]

Figure 4