



556 Route 222 • P.O. Box 8 • Groton, New York 13073 • 1-800-724-6452 • FAX: 607-898-4830 • 607-898-4218

October 9, 2006

Lorraine Yarde
Biometrx
500 North Broadway Suite 204
Jericho, NY 11753

Dear Ms. Yarde:

Enclosed is the test report for the **Biometrx** SmartTOUCH Finger Activated Garage Door Opener tested at our facility, located at 556 Route 222 in Groton, NY. This facility is on file with the Federal Communications Commission (FCC) per 47 CFR 2.948 (Site File Number 31040/SIT) and is NVLAP accredited.

We have completed our testing of Radiated and Conducted Emissions to the FCC per CFR 47 Part 15 Class C for Unintentional Radiators.

Thank you for selecting Diversified T.E.S.T. Technologies, Inc. for your testing needs. We look forward to working with you on future projects. Should you have any questions or concerns regarding this report, contact me at 607-898-4218. Please feel free to visit our website at www.dttlabs.com.

Sincerely,

A handwritten signature in dark ink, appearing to read "Henry McCoy", written in a cursive style.

Henry McCoy
Technical Associate

DIVERSIFIED T.E.S.T. TECHNOLOGIES, INC. – TEST REPORT	
Biometrx SmartTOUCH Finger Activated Garage Door Opener	Project Number: 5941

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Test Information

Laboratory

Diversified TEST Technologies, Inc.
556 Route 222 – PO Box 8
Groton, NY 13073
607-898-4218

Manufacturer

Biometrx
500 North Broadway Suite 204
Jericho, NY 11753

Report Issue Date: October 9, 2006
Report Number: 5941-092206(Edition 1)
Project Number: 5941

Date Received: September 13, 2006
Date Tested: September 13, 14, 15, and 21, 2006

Product: SmartTOUCH Finger Activated Garage Door Opener

Traceability: *Reference standards of measurement have been calibrated by a competent body using standards traceable to NIST.*

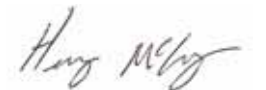
The testing performed by Diversified TEST Technologies, Inc. has shown that the product referenced above complies with the electromagnetic compatibility requirements according to the FCC per CFR 47 Part 15. The results in this test report apply only to the SmartTOUCH Finger Activated Garage Door Opener

It is the responsibility of the manufacturer to ensure that the product identification and labeling are in compliance with the applicable standards requirements. The manufacturer is also responsible for ensuring that additional units are manufactured with identical mechanical and electrical characteristics.

The equipment listed above conforms to the specified requirements of the test standards listed in the Test Regulations section of this report.

Complied by:


Signature:


Henry McCoy
Technical Associate

Date: 10-12-06

Reviewed by:

Signature:


Annelle Frierson
Vice President

Date: 10-12-06

DIVERSIFIED T.E.S.T. TECHNOLOGIES, INC. – TEST REPORT	
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Test Regulations

The tests were performed according to the following standards:

<input checked="" type="checkbox"/> FCC Part 15	<input checked="" type="checkbox"/> Class C	
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- ☒ Certification
- ☐ Verification

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Equipment Under Test (EUT) Testing Operation Mode

The EUT was operated under the following conditions during testing:

- ☐ Standby
- ☒ Normal Operating Mode
- ☐ Practice Operation

Description / Configuration of the EUT:

The SmartTOUCH Garage Door Opener uses an advanced finger activated technology, that provides secure, and personalized access to your home through the garage.

The EUT was powered with 120VAC, 60Hz and 4 AA Batteries during the collection of data included within this report.

Rationale for EUT setup / configuration:

ANSI C63.4

Modifications:

None

Deviations from test method:

None

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Test Results

Radiated Emissions 30 MHz – 1000 MHz

The requirements are ☒ MET ☐ NOT MET

Conducted Emissions 0.15 MHz – 30 MHz

The requirements are ☒ MET ☐ NOT MET

Power Output testing was done. ☒ MET ☐ NOT MET

Spurious Emissions testing was performed and there were no measurable emissions found within 20 db of the limit. ☒ MET ☐ NOT MET

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Emissions Testing Conditions

Radiated Emissions

The Radiated Emissions measurements, in the frequency range of 30 MHz – 1000 MHz, were tested in a horizontal and vertical polarization at the following test location:

- ☒ Diversified TEST Technologies, Inc. Open Area Test Site
☐ Diversified TEST Technologies, Inc. Lab

Test Distance:

- ☒ 3 meters
☐ 10 meters
☐ 30 meters

DTT uses automated data reductions to determine product compliance to Radiated Emissions regulations. The product's signal data is compared to a current ambient scan. The frequencies that are of significant amplitude are automatically sorted out by the computer and are brought out to be further analyzed and maximized. These same frequencies are also profiled by rotating the product 360 degrees on the turntable.

Test equipment used:

Manufacturer	Model	Description	Serial #
Hewlett Packard	8593EM	Spectrum Analyzer	3536A00139
Electro-Metrics	RGA60	Ridge Horn Antenna	2981
Hewlett Packard	7550A	Plotter	2407A00476
Electro-Metrics	BIA-25	Biconical Antenna, 20-220 MHz	001
Electro-Metrics	LPA-25	Log Periodic Antenna 200-1000 MHz	1242
Combinova	330	AC power source	3735
	MFR-57500	Blue low-loss transmit cable	337
EMCO		12-foot diameter non-conductive wooden turntable	
		Co-ax Cable, 100-foot RG 8/U, 20-foot RG 223/U	
		30-meter open field test range, grounded with ½" x ½" hardware cloth	
		AC supply cord, 100-foot, grounded	
		100-foot signal cable for remote testing	

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Conducted Emissions

The Conducted Emissions measurements, in the frequency range of 0.15 MHz – 30 MHz, were tested in the Average and Quasi-Peak Modes with a Bandwidth of 9 kHz at the following test location:

- ☐ Diversified TEST Technologies, Inc. Open Area Test Site
☒ Diversified TEST Technologies, Inc. Lab

Conducted Emissions testing was performed indoors on a dedicated Conducted Emissions test table. The equipment under test (EUT) was powered by 120 VAC, 60 Hz AC receptacle of a 50-ohm Line Impedance Stabilizing Network (LISN) for measurement of the RF on the AC line and neutral. Each line was tested separately and the line not being tested was terminated by a 50-ohm terminator.

Test equipment used:

Manufacturer	Model	Description	Serial #
Hewlett Packard	8593EM	Spectrum Analyzer	3536A00139
Electro-Metrics	RGA60	Ridge Horn Antenna	2981
Hewlett Packard	7550A	Plotter	2407A00476
Electro-Metrics	FCC/VDE-25/2	50 ohm LISN	1017
Combinova	330	AC power source	3735
		Co-ax Cable (LISN to receiver) 20-foot RG 223/U	
		Non-conductive (wood) table, 0.8 meters off ground	

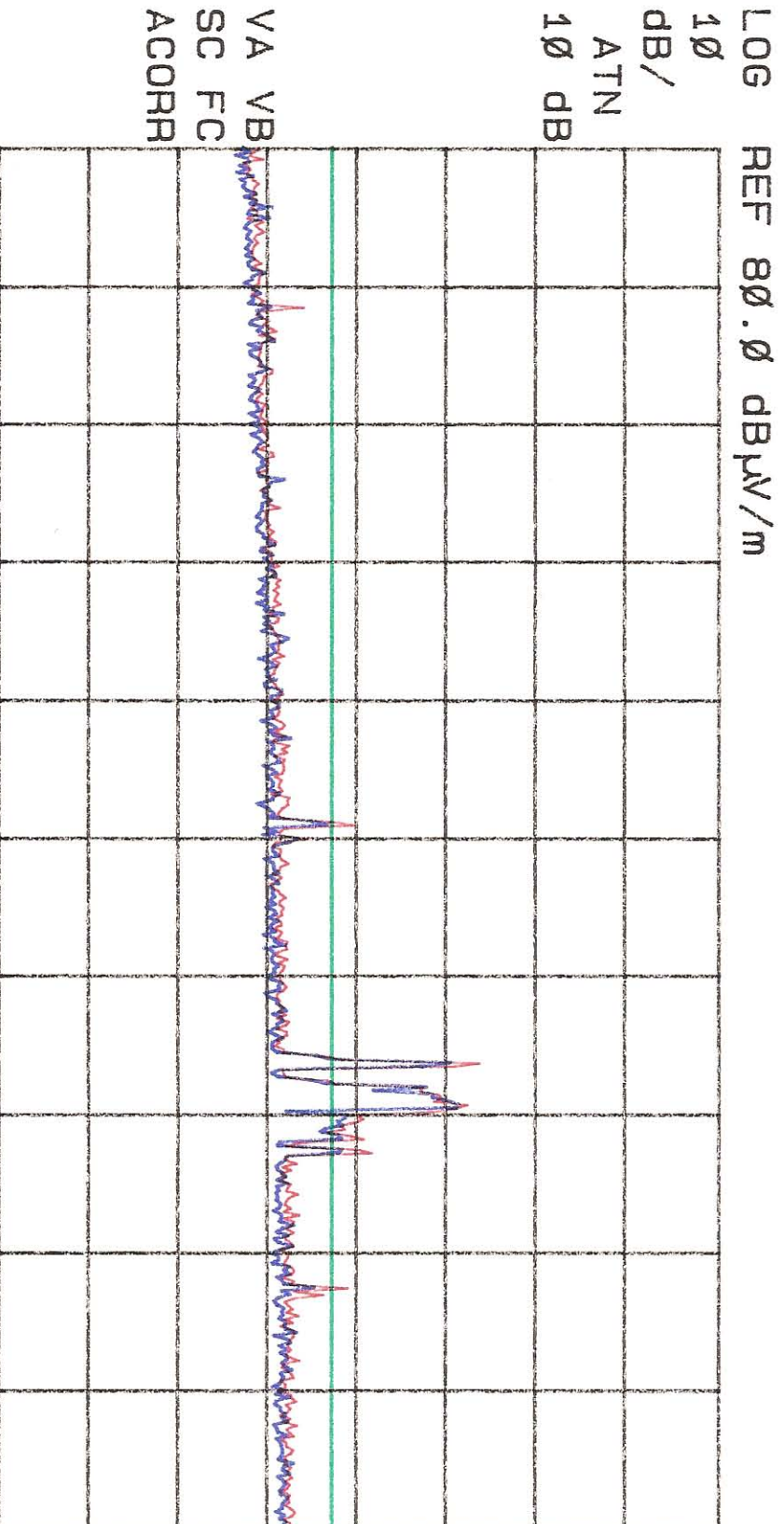
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Radiated Emissions Test Data

10 pages of data sheets to follow.

10:02:59 21 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
Red: Eut on, Blue: Eut off, Ant: vertical



START 600.0 MHz

IF BW 120 KHz

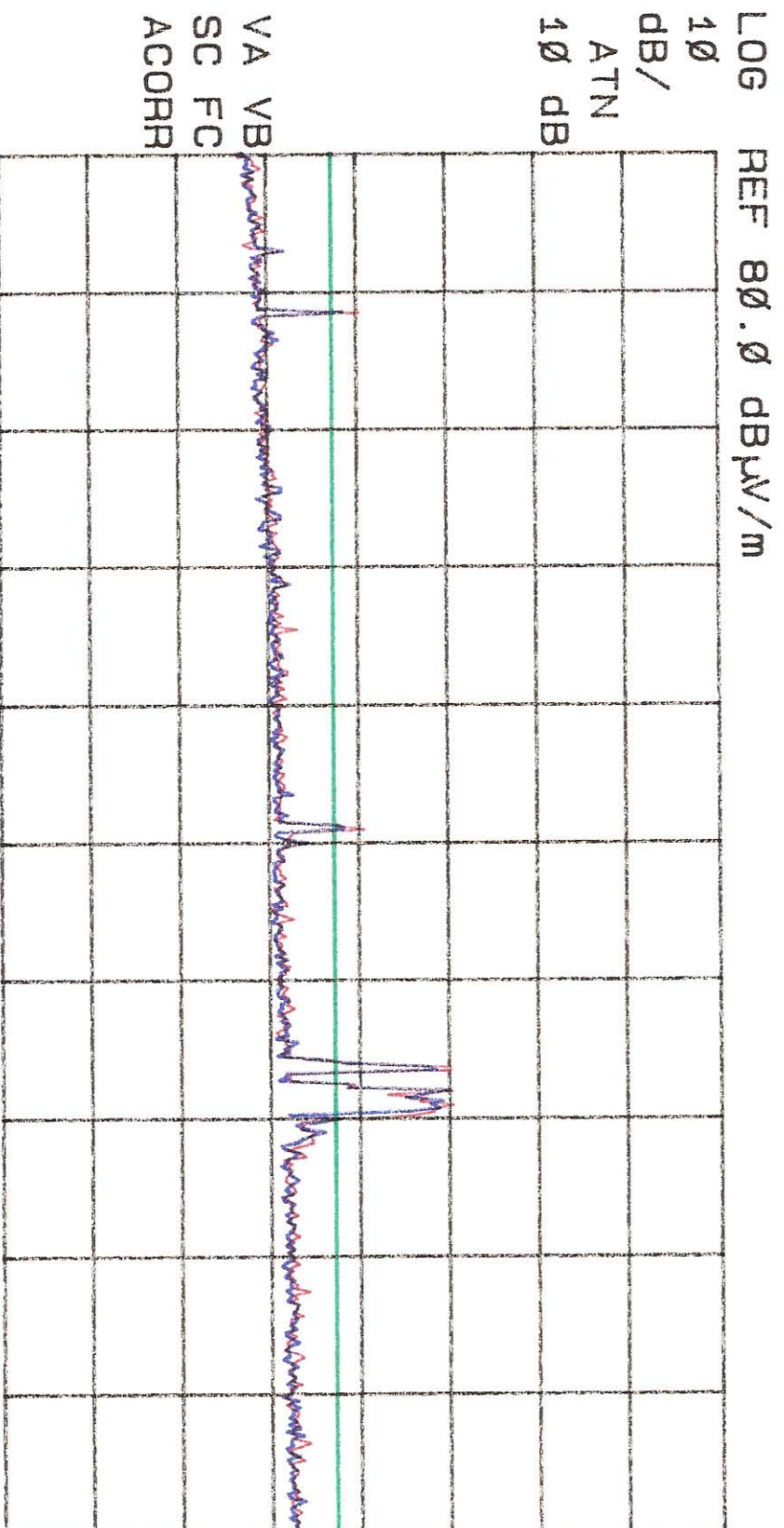
AVG BW 300 KHz

STOP 1.0000 GHz

SMP 83.3 msec

09: 58: 43 21 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
Red: Eut on, Blue: Eut off, Ant: Horizontal



START 600.0 MHz STOP 1.0000 GHz

IF BW 120 KHz AVG BW 300 KHz SWP 83.3 msec

09:54:23 21 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
Red: Eut on, Blue: Eut off, Ant: Horizontal

LOG REF 80.0 dB μ V/m

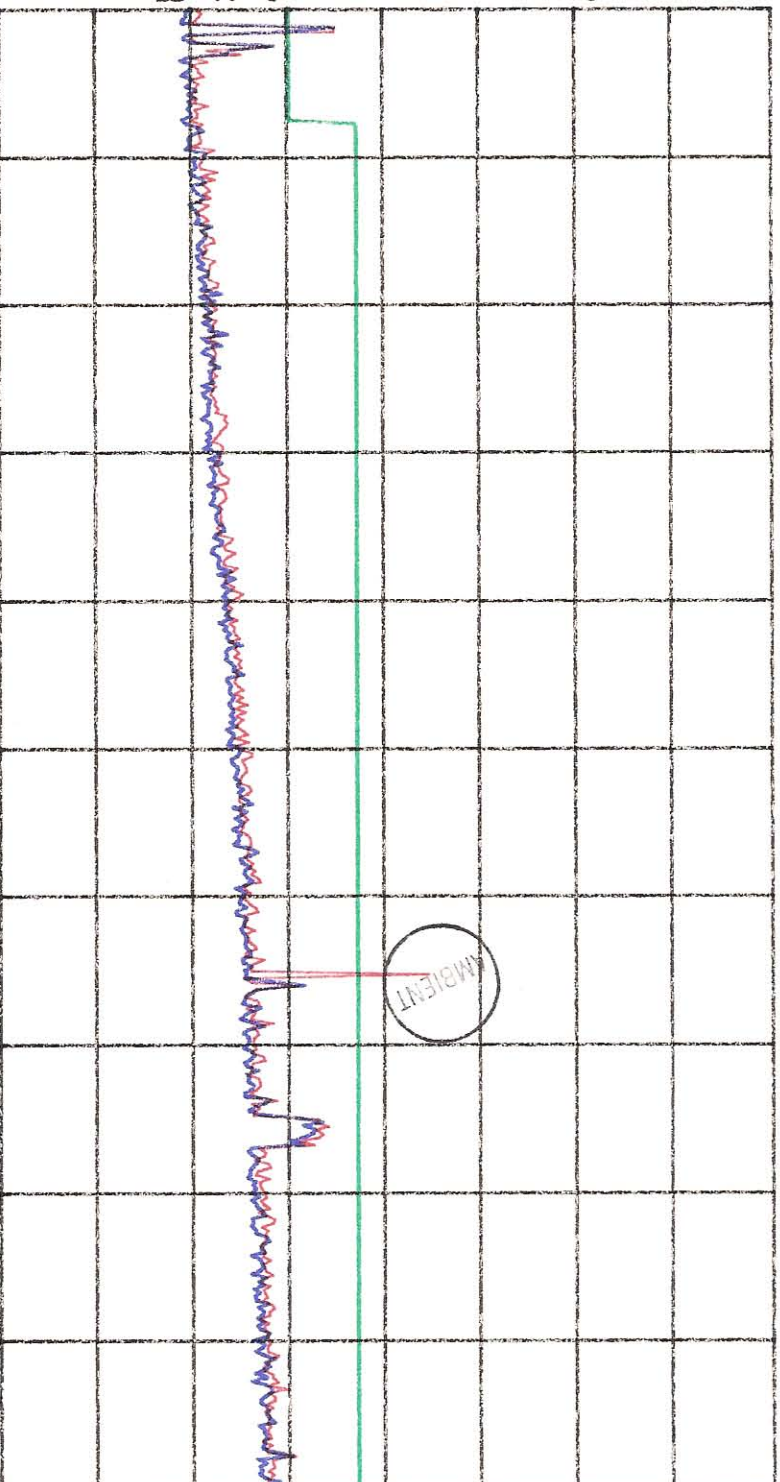
10

dB/

ATN

10 dB

V A V B
S C F C
A C O R R

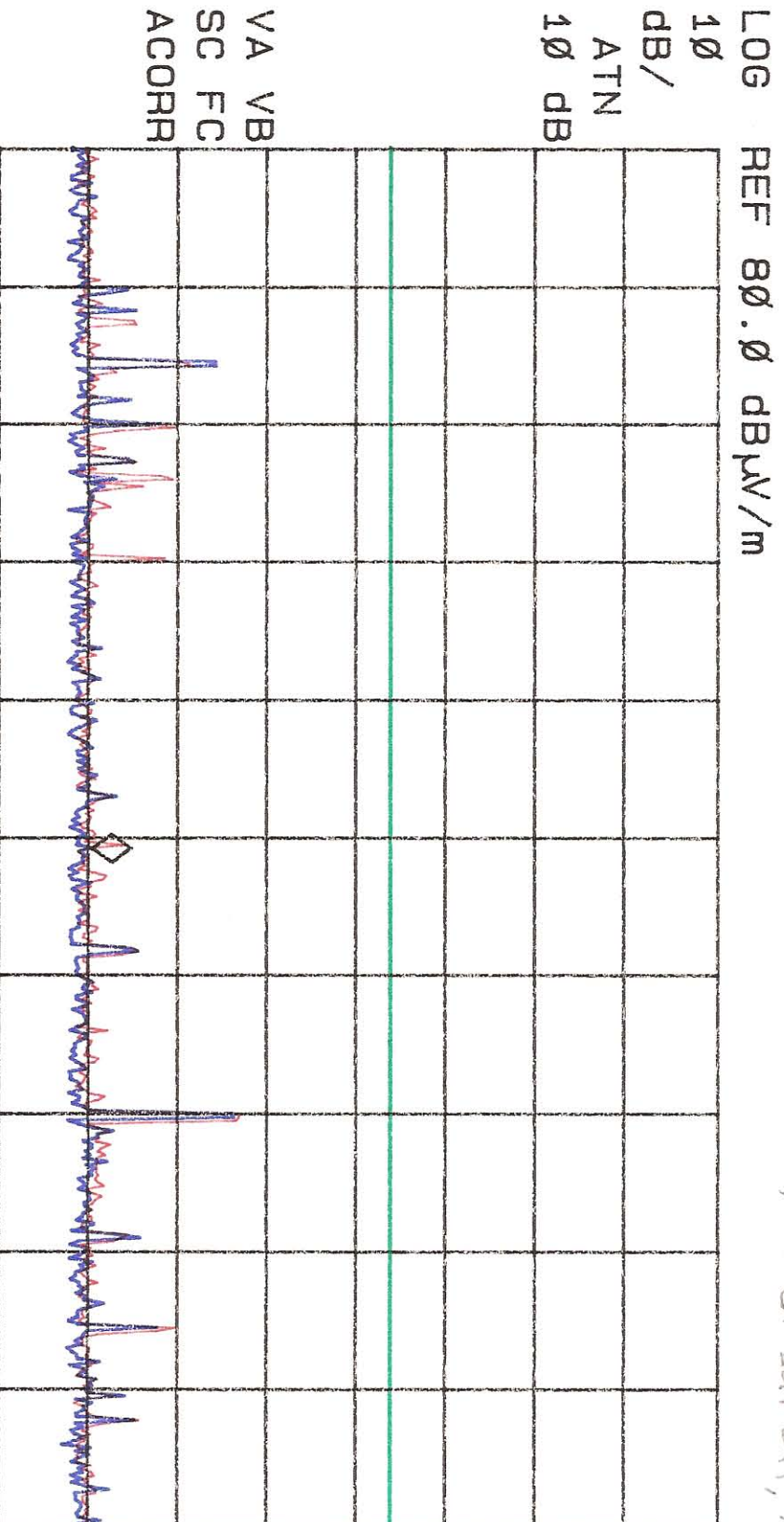


15:51:38 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 155.68 MHz
10.38 dB μ V/m

Red: Eut on, Blue: Eut off, Ant: Horizontal



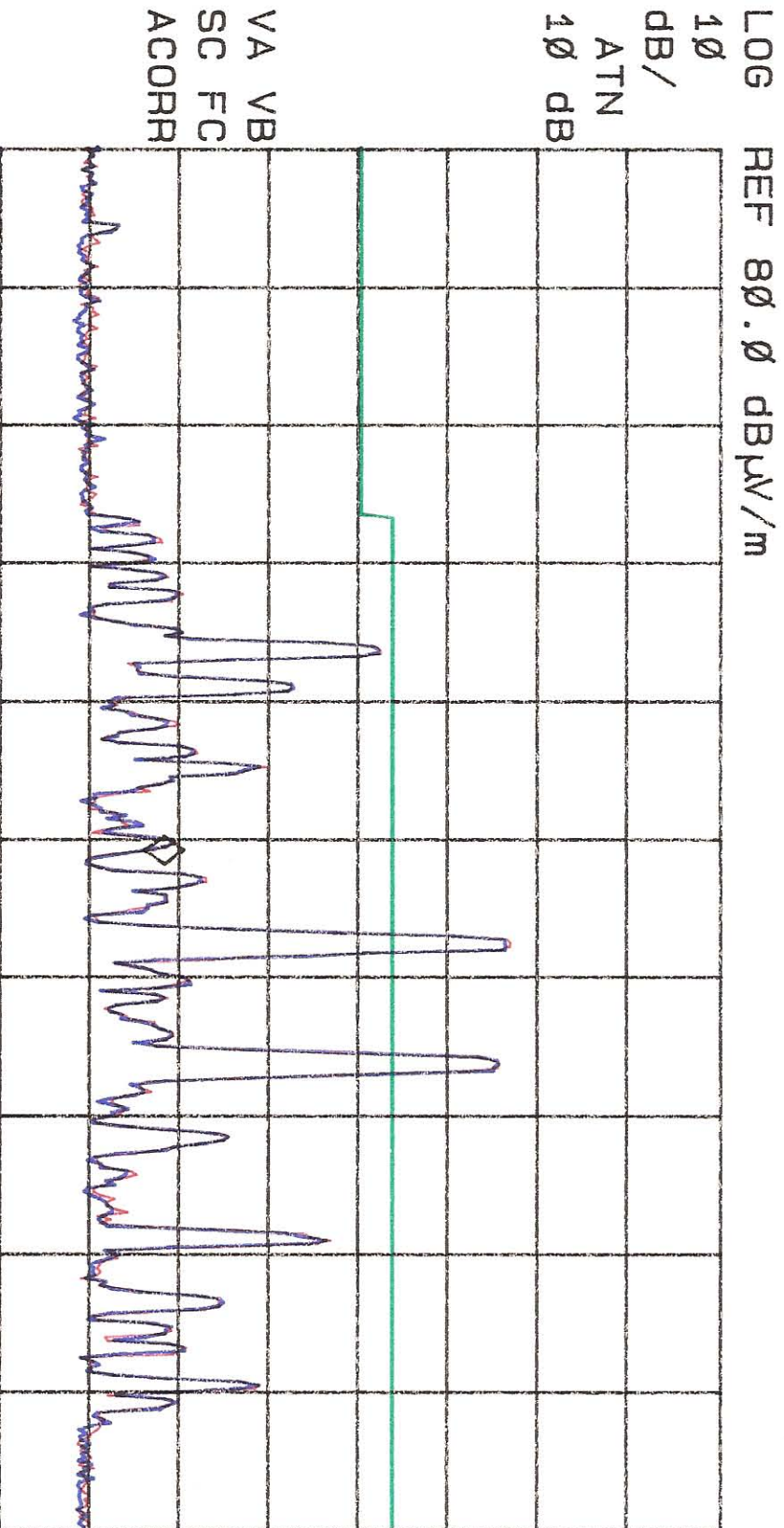
15:57:47 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 95.23 MHz

16.07 dB μ V/m

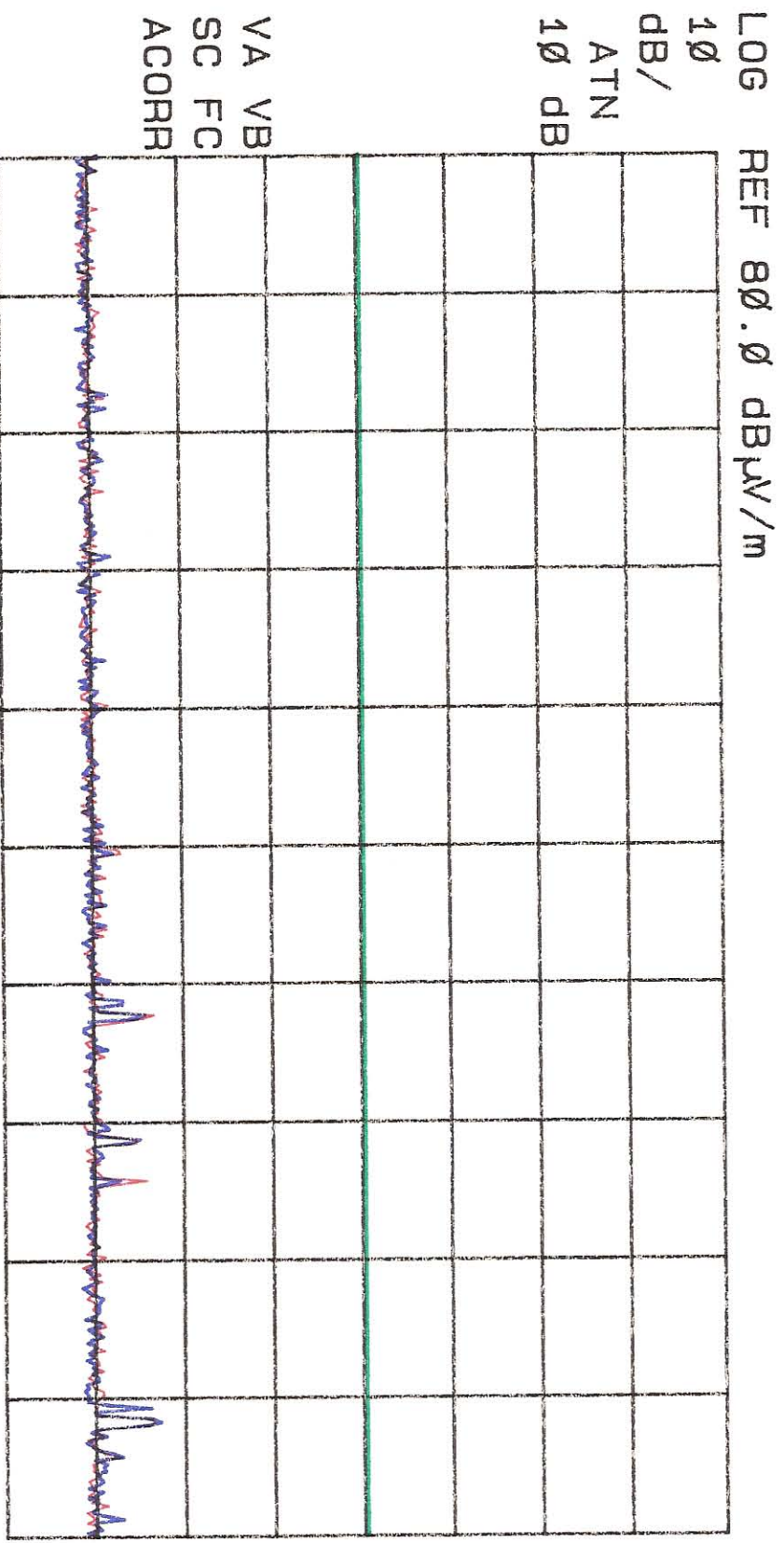
Red: Eut on, Blue: Eut off, Ant: Horizontal



16:02:12 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

RED: Eut on, Blue: Eut off, ANT: Horizontal



START 30.00 MHz

IF BW 120 KHz

AVG BW 300 KHz

STOP 80.00 MHz

SWP 20.0 msec

15: 48: 55 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 155.68 MHz
8.78 dB μ V/m

RED: Eut on, Blue: Eut off, Ant: Vertical

LOG REF 80.0 dB μ V/m

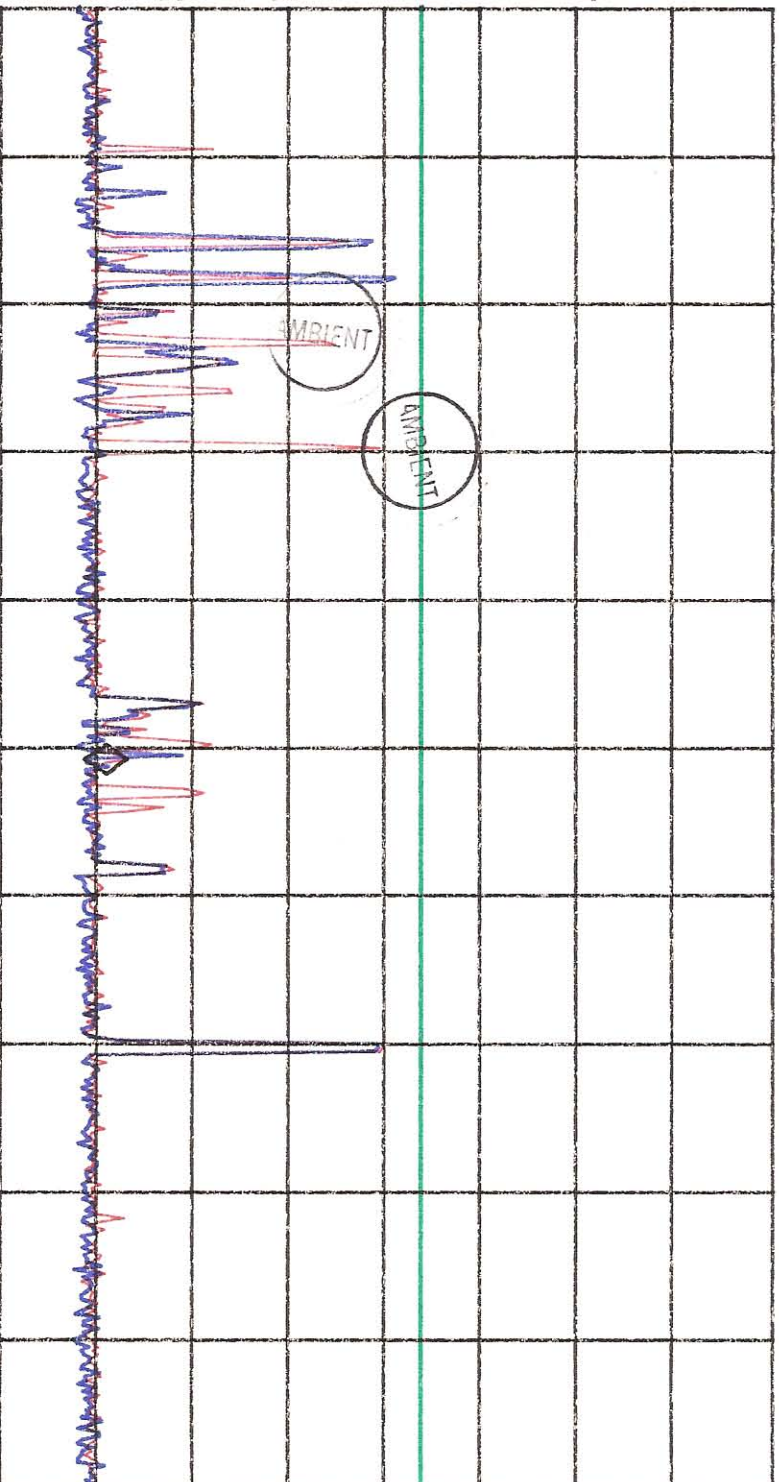
10

dB/

ATN

10 dB

VA VB
SC FC
ACORR



START 110.00 MHz

IF BW 120 KHz

AVG BW 300 KHz

STOP 200.00 MHz

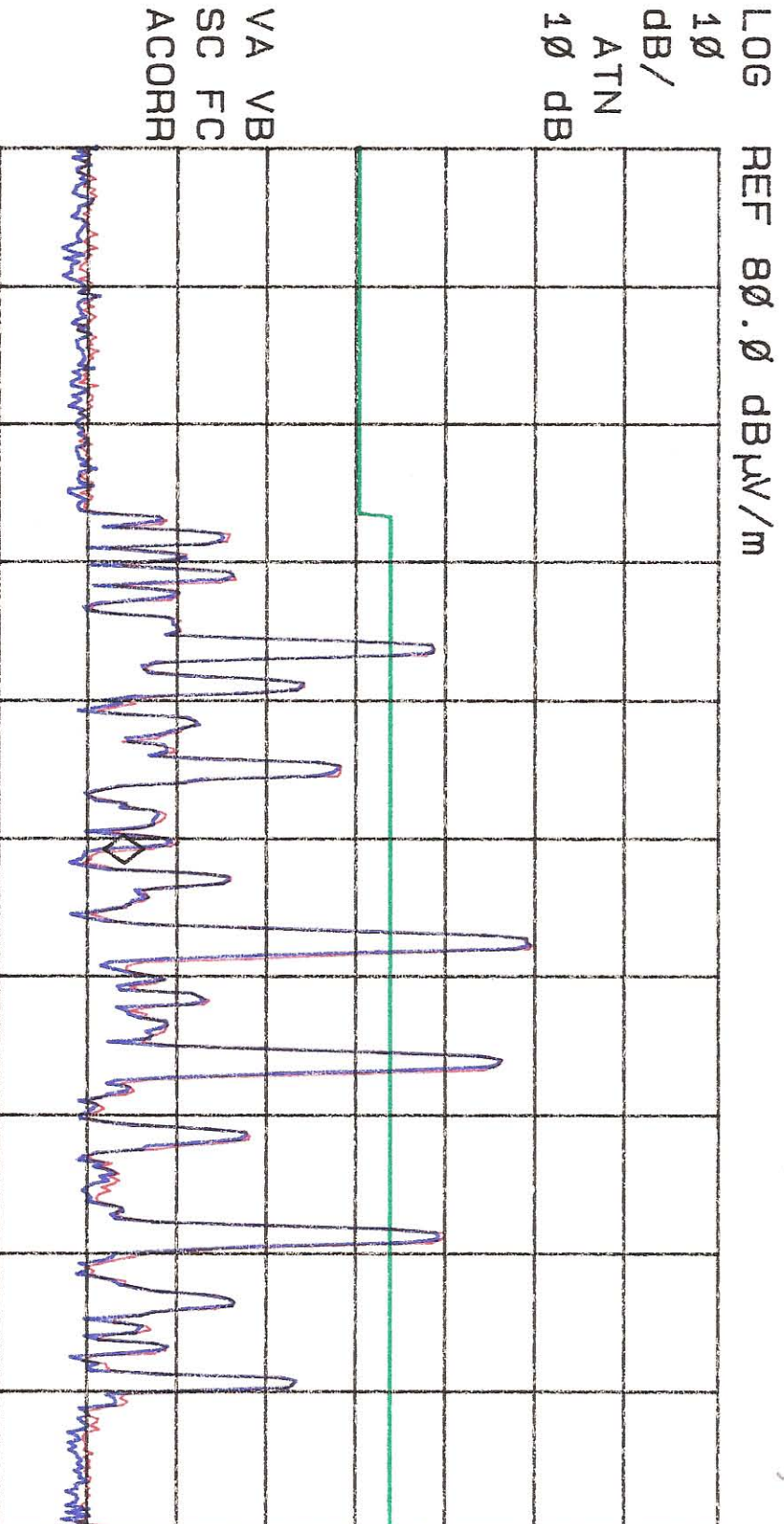
SMP 20.0 msec

15: 42: 20 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 95.23 MHz
11.78 dB μ V/m

Red: Eut on, Blue: Eut off, Ant: vertical



15:38:01 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

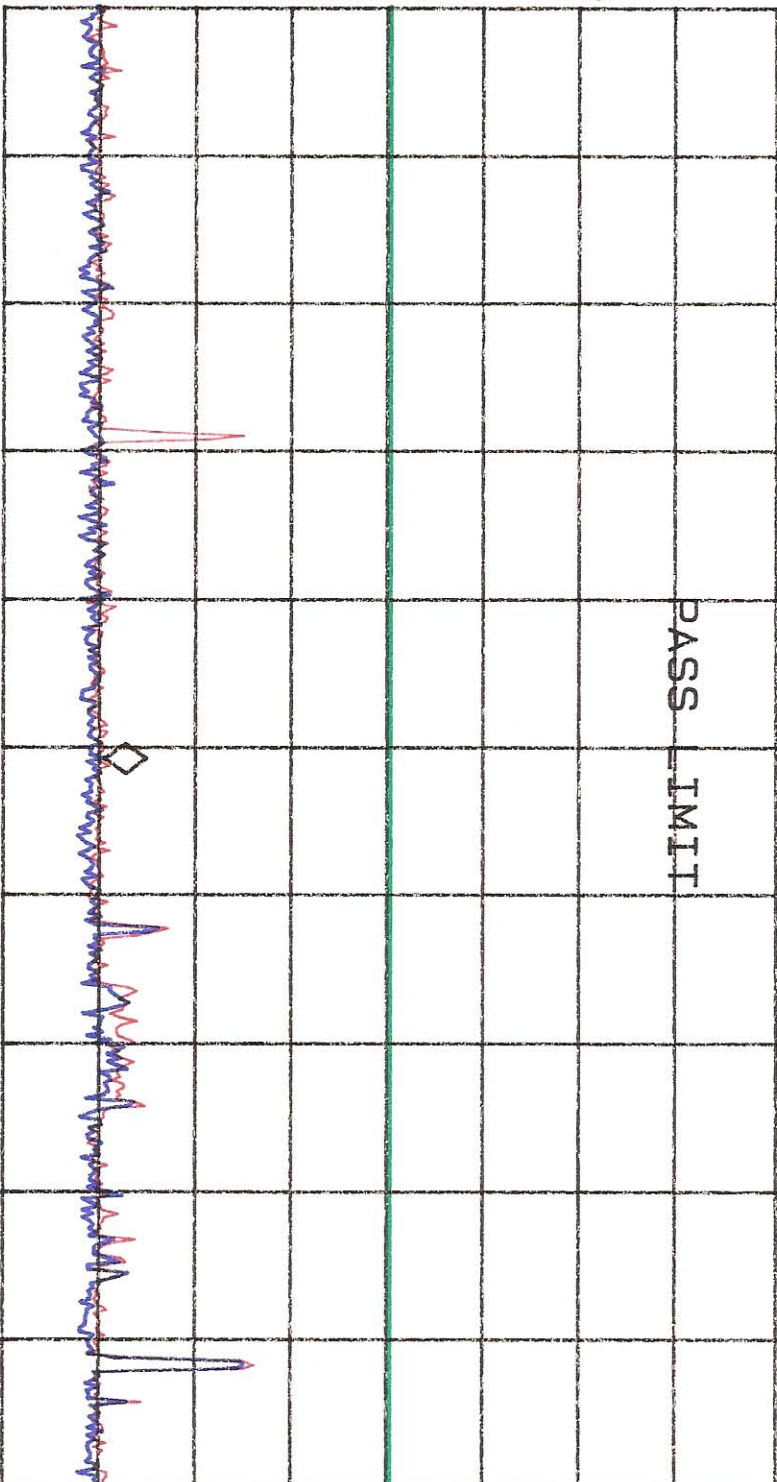
MKR 55.38 MHz
10.48 dBμV/m

LOG REF 80.0 dBμV/m

Red: EUT on, Blue: EUT off, Ant: Vertical

10 dB/
ATTN
10 dB

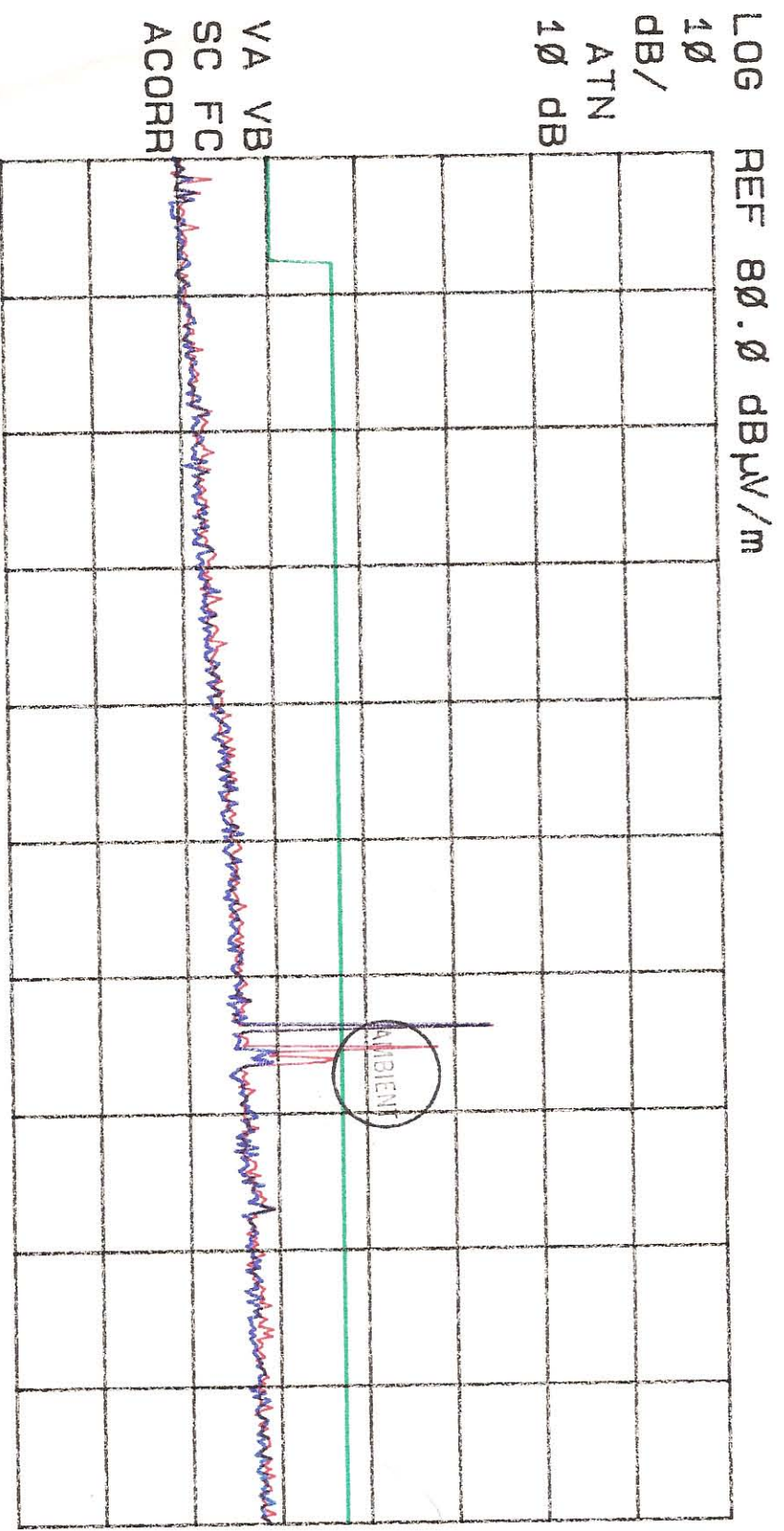
VA VB
SC FC
ACORR



START 30.00 MHz
IF BW 120 KHz
AVG BW 300 KHz
STOP 80.00 MHz
SWP 20.0 msec

10:08:23 21 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
Red: Eut on, Blue: Eut off, Anti: Vertical



START 200.0 MHz

IF BW 120 KHz

AVG BW 300 KHz

STOP 600.0 MHz

SWP 83.3 msec

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Conducted Emissions Test Data

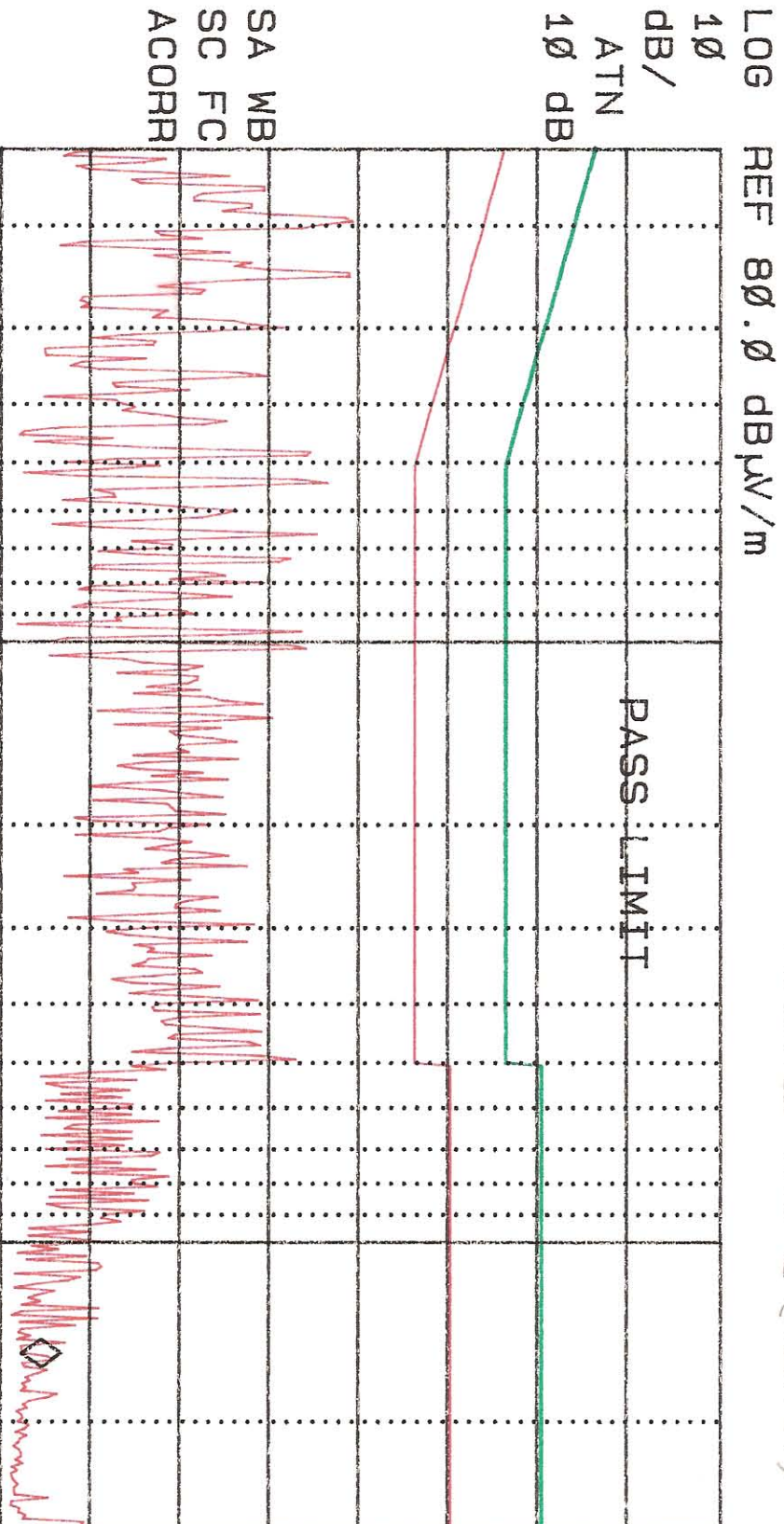
2 pages of data sheets to follow.

15:22:11 15 SEP 2006

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 15.31 MHz
2.37 dB μ V/m

Measured line 2 (Neutral)



START 150 KHZ

IF BW 9.0 KHZ

AVG BW 30 KHZ

STOP 30.00 MHz

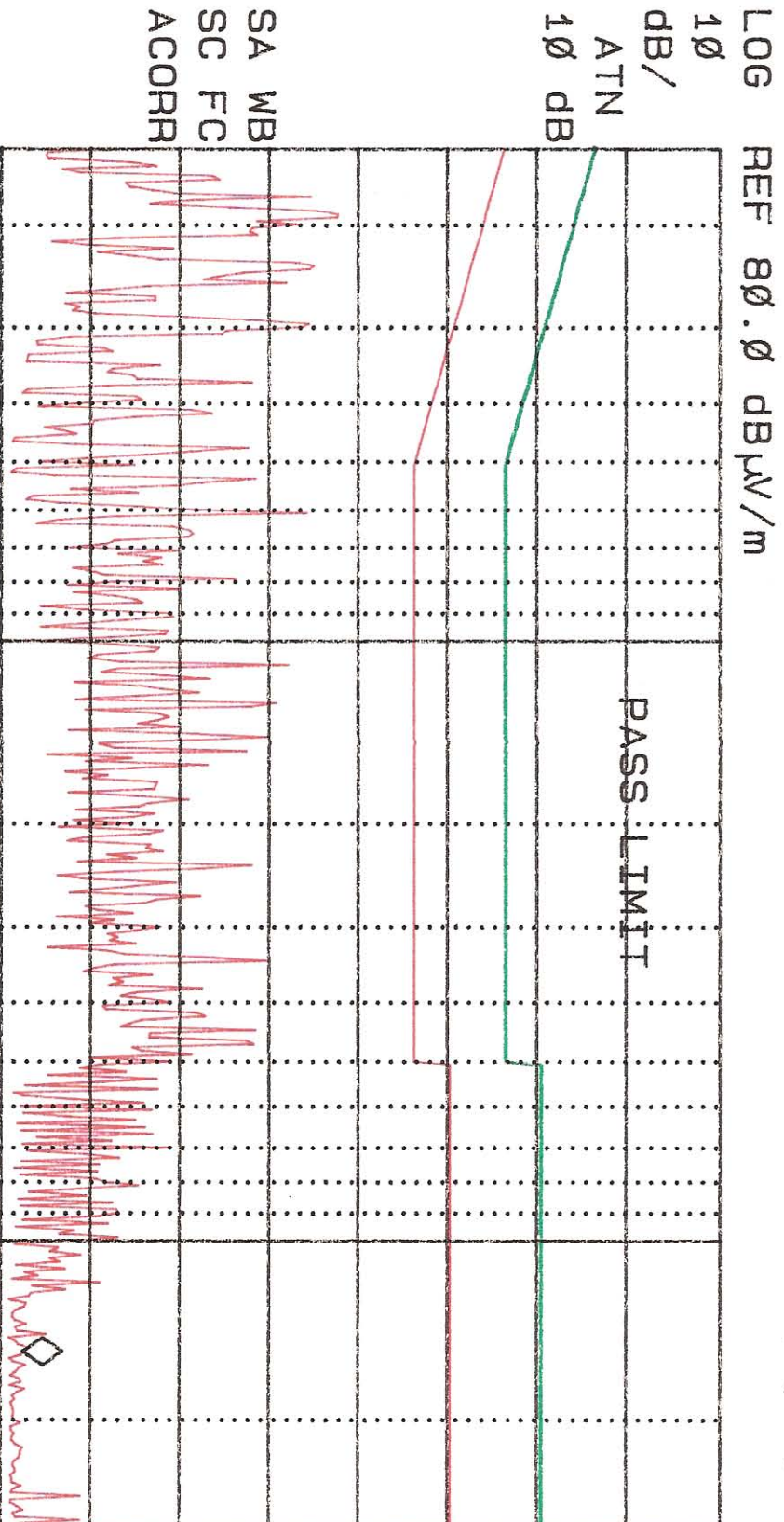
SWP 1.40 sec

15:17:25 15 SEP 2006
HP

ACTV DET: PEAK
MEAS DET: PEAK QP AVG

MKR 15.31 MHz
2.49 dBμV/m

Measured line 1 (Hot)



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Power Output Test Data

1 pages of data sheets to follow

15:08:19 13 SEP 2006

Ant: 10q, 3m, H

FREQ	433.9 MHz
PEAK	30.6 dBμV
QP	26.7 dBμV
AVG	19.5 dBμV

LOG REF 90.0 dBμV

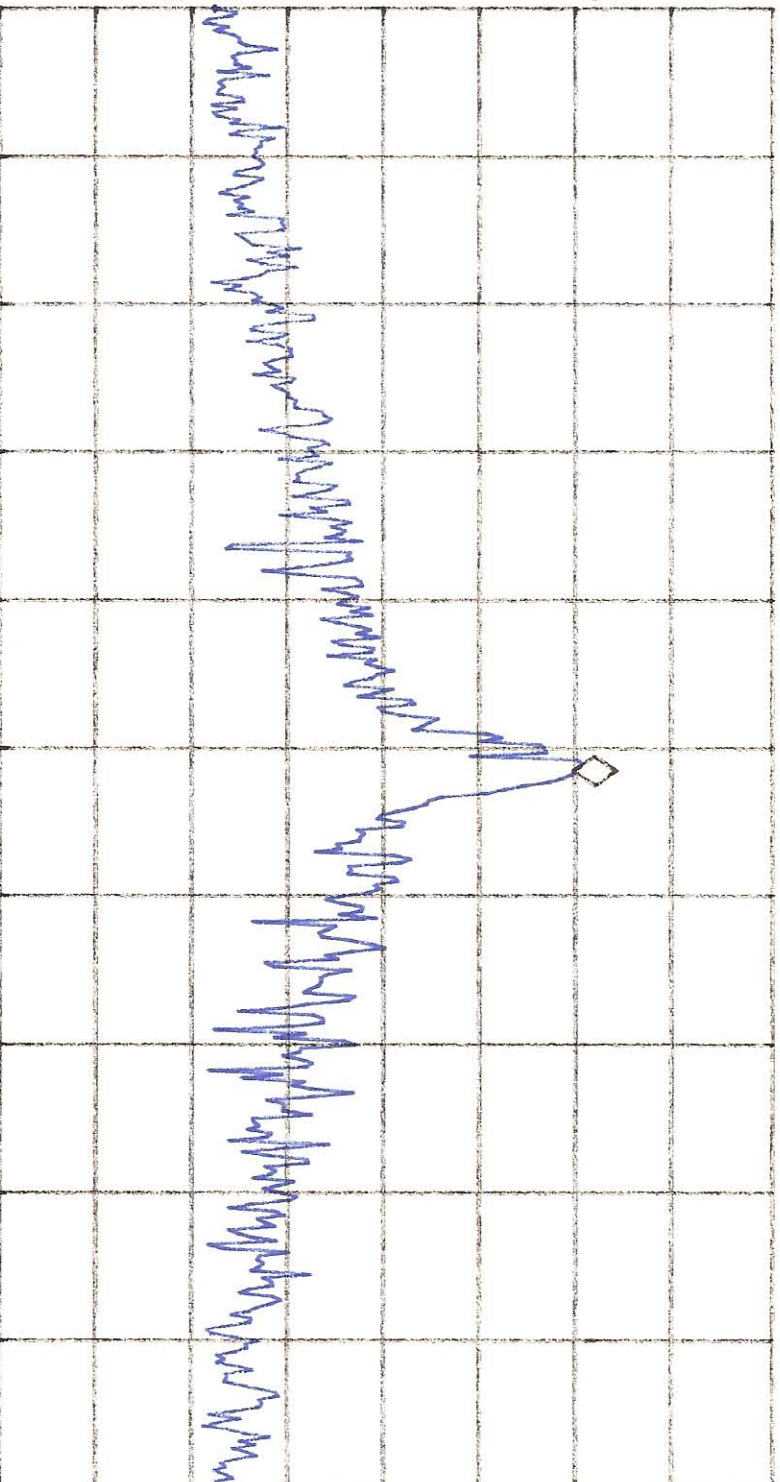
10

dB/

ATTN

10 dB

MA SB
SC FC
CORR



START 432.800 MHz

#IF BW 30 KHz

AVG BW 30 KHz

STOP 435.000 MHz

SWP 20.0 msec

Certificate Of Conformity

Diversified T.E.S.T. Technologies, Inc. has tested the product to the current appropriate standards and finds that the product is in compliance with those requirements.

Rules and Regulations:

United States Code of Federal Regulations 47 Part 15 – Electromagnetic Emissions, Class C Devices

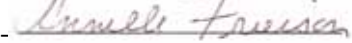
Standards:

ANSI C63.4-1992, Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical Equipment in the Range of 9kHz to 40GHz.

Section 11.0 Measurement of Information Technology Equipment (ITE)

Manufacturer's Name:	Biometrx
Manufacturer's Address:	500 North Broadway Suite 204 Jericho, NY 11753
Product:	SmartTOUCH Finger Activated Garage Door Opener

This Certificate of Compliance issued October 9, 2006 is valid for the test sample of the product specified above and that it conforms to the Directive(s) and Standard(s).

Signature: 
Annette Frierson
Vice President
Diversified T.E.S.T. Technologies, Inc.
PO Box 8, 556 Route 222
Groton, NY 13073
Phone: 607-898-4218
Fax: 607-898-4830

