

Marstech Limited

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Authorized by:
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Ontario

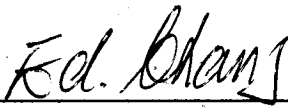
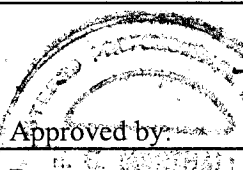
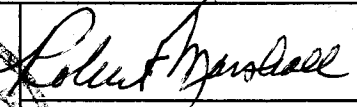
Engineering &
Administrative



Testing For FCC
Submissions/Verifications

Industry Canada
Industry Canada
Approved Test Facility



TEST REPORT			
REPORT DATE:		05 August 2004	
REPORT NO:		24180D	
CONTENTS:	See Table of Contents		
SUBMITTOR:	IgeaCare Systems Inc. 5650 Tomken Road, Unit 9 Mississauga, Ontario L4W 4P1		
SUBJECT:	Model No:	IgeaCom500 [with TAV014 RF Board] [Also covers Model IgeaCom300]	
	FCC ID:	SEDIGEACOM	
TEST SPECIFICATION:	FCC 47 CFR Part 15 Subpart "B" for and Unintentional Radiator NOTE: Tests Conducted Are "Type" Tests.		
DATE SAMPLE RECEIVED:	28 June 2004	DATE TESTED:	01, 06 and 07 July 2004
RESULTS:	Equipment tested complies with referenced specification.		
ALTERATIONS:	None		
Tested by:	 Edward Chang	 Approved by:	 Robert G. Marshall, P. Eng.
		Date:	Aug 12/04
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TECHNICAL REPORT - FCC 2.1033(b)

Applicant

IgeaCare Systems Inc.
5650 Tomken Road, Unit 9
Mississauga, Ontario
L4W 4P1

FCC Identifier

SEDIGEACOM

Manufacturer

Strategic Electronic Design
6 Mars Road
Toronto, Ontario
M9V 2K1 CANADA

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B	Installation and Operating Instructions Furnished to the User	2.1033(b)(3)	Exhibit B Exhibit B(1)
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EXHIBIT A

(FCC Ref. 2.1033(b)(6))

"Report of Measurements"

TABLE OF CONTENTS

TEST REPORT CONTAINING:

Exhibit A(1)	Table of Contents
Exhibit A(2)	Product Description
Exhibit A(3)-1 to -2	Field Strength of Emissions
Exhibit A(4)-1 to -2	Test Equipment List
Exhibit A(5)	3M Test Site FCC Letter
Exhibit A(6)	Test Setup Photos

PRODUCT DESCRIPTION

The IgeaCare Systems Inc. Model IgeaCom500 is an analog speakerphone device with wireless receiver [TAV014 RF Board], to use for emergency calls, which operates at 433.92 MHz. This also covers Model IgeaCom300, which is identical to IgeaCom500 except it does not have TAV014 RF Board.

15.109 RADIATED EMISSION LIMITS**Requirements:**

The field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (microvolts/meter)
30-88	100
88-216	150
216-960	200
Above 960	500

Test Procedure:

The test procedure used was ANSI STANDARD C63.4-1992 using an appropriate spectrum analyzer, as listed in the Test Equipment List. The bandwidth (RBW) of the spectrum analyzer was 100KHz/120KHz up to 1GHz with an appropriate sweep speed. The VBW above 1.0GHz was = 1.0MHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the EUT was 24°C with a humidity of 60%.

Test Data:

Refer to Exhibit A(3)-2

RADIATED EMISSION RESULTS
[Model IgeaCom500 (with TAV014 RF Board)]

RECEIVER

Emission Frequency MHz	Meter Reading @3m dBμV	Antenna	Cable and ACF dB	Field Strength dBμV/M	FCC Limit dBμV/M	Margin dB	Detector & BW KHz
429.36	14.38	LP V	21.8	36.18	46	-9.82	QP120
435.16	11.49	LP V	21.8	33.29	46	-12.71	QP120

TEST FACILITY AND EQUIPMENT LIST

FACILITIES:

Radiated ANSI C63.4 (FCC OET/55) open field 3 metre test range. This test range is protected from the cold and moisture by a non-conductive enclosure.

Conducted 2.5m Anechoic Chamber

EQUIPMENT

Anritsu 2601A Spectrum Analyzer
Advantest R3261A Spectrum Analyzer
Hewlett-Packard RF generator # 8640 B with an 002 doubler
A.H. Systems biconical antenna; 20 MHz to 330 MHz
A.H. Systems log periodic antenna; 300 MHz to 1.8 GHz
Compliance Design P950 Preamp (16 dB) ... 25 MHz to 1.0 GHz

NOTE:

The Anritsu 2601A Spectrum Analyzer and the Advantest R3261A Spectrum Analyzer are calibrated annually, and that calibration is directly traceable to the National Research Council of Canada. (NRC)
This equipment is only used by qualified technicians and only for the purpose of EMI measurements. The three metre test range has been carefully evaluated to the ANSI document C63.4 and will be remeasured for reflections and losses every three years.

ADDITIONAL TEST EQUIPMENT LIST

1. Spectrum Analyzer: HP 8591EM, S/N 3639A00995, (9KHz - 1.8GHz), Calibration Due June 2005
2. Spectrum Analyzer: ANRITSU 2601A, S/N MT64544, (10KHz - 2.2GHz), Calibrated Due June 2005
3. Spectrum Analyzer: IFR AN940, S/N 635001039, (9KHz - 26.5GHz), Calibration Due April 2005
4. Preamp: HP 8449B, S/N 3008A00378, (1 - 26.5GHz), Calibration Due August 2004
5. Horn Antenna: Q-PAR 6878/24, S/N 1721, (1.5-18GHz)
6. Horn Antenna: A. H. Systems SAS 572, S/N 164 (18 - 26.5GHz)
7. Line Impedance Stabilization Network.: Marstech, Calibration Due July 2004
8. Horn Antenna: Radar System (Flange 3/4" Square) MIL F 3922/68 (26.5 - 40GHz)
9. OML Mixer: M28HWD, S/N Ka31114-1 (26.5 - 40GHz), Calibration Due November 10, 2004
10. OML Diplexer: DPL.313A (Unit plugs into M28HWD)
11. Semflex Cable: Used with M28HWD and DPL 313A

FEDERAL COMMUNICATIONS COMMISSION

Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

August 22, 2003

Registration Number: 90578

Electrohome Electronics Ltd.
809 Wellington St. N.
Kitchener, Ontario, N2G 4J6
Canada
Attention: Tuat Huynh

Re: Measurement facility located at Roseville
3 meter site
Date of Renewal: August 22, 2003

Dear Sir or Madam:

Your request for renewal of the registration of the subject measurement facility has been received. The information submitted has been placed in your file and the registration has been renewed. The name of your organization will remain on the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website www.fcc.gov under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,



Ms. Phyllis Parrish
Information Technician

FCC ID: SEDIGEACOM
Marstech Report No. 24180D
EXHIBIT A(5)