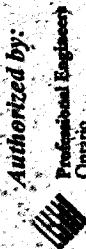
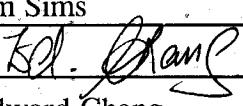
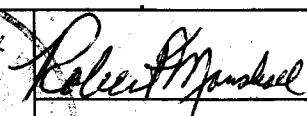


Marstech Limited

11 Kelfield Street, Etobicoke, Ontario, Canada, M9W 5A1
 Telephone (416) 246-1116, Fax (416) 246-1020



Testing For FCC
 Submissions/Verifications

TEST REPORT			
REPORT DATE:	26 November 1999		
REPORT NO:	99563D		
CONTENTS:	Refer Table of Contents		
SUBMITTOR:	THOMSON CONSUMER ELECTRONICS INC. Audio & Communications Product Dev. 101 West 103 rd Street Indianapolis, IN 46290-1102 USA		
SUBJECT:	Model No: 35800		
	FCC ID: G9H3-5800		
TEST SPECIFICATION:	FCC CFR 47 Part 95 and Part 2 Subpart J NOTE: Tests Conducted Are "Type" Tests.		
DATE SAMPLE RECEIVED:	16 November 1999	DATE TESTED:	17 November to 23 November 1999
RESULTS:	Equipment tested complies with referenced specification.		
ALTERATIONS:	None		
Tested by:	Original signed by: Jim Sims  Edward Chang	Approved by:  Robert G. Marshall	Date: 
THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF MARSTECH LIMITED. This report was prepared by Marstech Limited for the account of the "Submittor". The material in it reflects Marstech's judgement in light of the information available to it at the time of preparation. Any use which a Third Party makes of this report, or any reliance on decisions to be made based on it, are the responsibility of such Third Parties. Marstech accepts no responsibility for damages, if any, suffered by any Third Party as a result of decisions made or actions based on this report			



MARSTECH LIMITED

TECHNICAL REPORT - FCC Part 2 and Part 95

FCC REF.

2.1033 (b)(1) **Applicant**

Thomson Consumer Electronics Inc.
Audio & Communications Product Dev.
101 West 103rd Street
Indianapolis, IN
46290-1102 USA

Manufacturer

Huiyang CCT Telecommunications Products Co. Ltd.
San He Economic Experimental Zone
Huiyang, Guangdong Province, The PRC

(b)(2) **FCC Identifier**

G9H3-5800

2.1033 (c)(4)	Type of emission -	11KOF3E
(c)(5)	Frequency range -	462.5625, 462.5875, 462.6125MHz
(c)(6)	Power rating -	0.45W ERP
(c)(7)	Maximum power rating -	0.5W ERP

95.647 The antenna is permanently attached to the EUT

TABLE OF CONTENTS

<u>Exhibit</u>	<u>Description</u>	<u>FCC Ref.</u>	<u>Page</u>
A	Technical Description	2.1033(b)(4)	Exhibit A(1)-1 to -3
B	Block Diagrams Schematic Diagram	2.1033(b)(5) 2.1033(c)(10)	Exhibit B(1) Exhibit B(2)
C	User Manual	2.1033(b)(3)	Exhibit C(1)
D	Report of Measurements Device Measured Test Facility and Equipment Test Results and Methods	2.1033(b)(6)	Exhibit D Exhibit D(1) Exhibit D(2)-1 to -2 Exhibit D(3) to D(10)
E	Drawing of Equipment Identification Plate	2.1033(c)(11)	Exhibit E
F	Photographs	2.1033(c)(12)	Exhibit F(1)-1 to -6

EXHIBIT D

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

"Report of Measurements"

MARSTECH LIMITED

EXHIBIT D(1)

DEVICE MEASURED

[FCC Ref. 2.1033(b)]

APPLICANT:

Thomson Consumer Electronics Inc.
Audio & Communications Product Dev.
101 West 103rd Street
Indianapolis, IN
46290-1102 USA

MANUFACTURER:

Huiyang CCT Telecommunications Products Co. Ltd.
San He Economic Experimental Zone
Huiyang, Guangdong Province, The PRC

FCC IDENTIFIER:

G9H3-5800

MODEL NUMBER:

35800

Marstech Limited
11 Kelfield Street
Etobicoke, Ontario
M9W 5A1 CANADA

TECHNICIANS:
Jim Sims - Com-Serve Corp.
Ed Chang - Marstech Ltd.

Robert G. Marshall
Robert G. Marshall, P. Eng.

Date: Dec 1/99

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EXHIBIT D(2)

TEST EQUIPMENT LIST

[FCC Ref. 2.947]

Test Site & Equipment

Electrohome Electronics Ltd., 809 Wellington St. N., Kitchener, Ontario, Canada

Description of the measurement facility is on file with the Commission.

Refer Exhibit D(2)-2 attached.

and

Marstech Limited

Spectrum Analyzer Anritsu Model MS2601A

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.

EQUIPMENT

Anritsu 2601 A spectrum analyzer.
Hewlett-Packard RF generator # 8640 B with an 002 doubler
Hewlett-Packard 8449B Preamp. (30 dB) .. 1.0 MHz to 26.5 Ghz
A.H. Systems biconical antenna; 20 MHz to 330 MHz
A.H. Systems log periodic antenna; 300 MHz to 1.8 GHz
A.H. Systems log periodic antenna; 1.0 GHz to 12.4 GHz
Eaton dipole antennas; T1, T2, T3 25 MHz to 1.0 GHz
Roberts dipole antennas; T1, T2, T3 & T4 25 MHz to 1.0 GHz
Compliance Design P950 Preamp (16 dB) ... 25 MHz to 1.0 GHz
Notch Filter; Model FIL01605001 30 dB at 920 MHz
M/A-COM High Frequency Cable Assembly; No. 2026-0600

NOTE:

The Anritsu 2601 A spectrum analyzer, the Hewlett-Packard 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.

MARSTECH LIMITED

EXHIBIT D(3)

TEST SUMMARY

95.639(3)(d)	Maximum Transmitter Power	Exhibit D(4)
2.1047(a)	Audio Low Pass Filter (Voice Input)	Exhibit D(5)-1
	Audio Frequency Response	Exhibit D(5)-2
2.1047(b)	Modulation Limiting	Exhibit D(5)-3
2.1049(c)(1)	Occupied Bandwidth (Emission Masks)	Exhibit D(6)-1 to -3
95.635(c)(1)(ii)	Unwanted Radiation	Exhibit D(7)-1 to -3
2.1055	Frequency Stability	Exhibit D(8)-1 to -2
2.1055(a)(1)	Frequency Stability (Temperature Variation)	
2.1055(b)(1)	Frequency Stability (Voltage Variation)	
2.202(g)	Necessary Bandwidth and Emission Bandwidth	Exhibit D(9)-1

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EXHIBIT D(4)

CFR 47 Part 95.639(3)(d)

Refer to Exhibit D8 for ERP

EXHIBIT D(4)

Thomson/35800
FCC ID: G9H3-5800
Marstech Report No. 99563D