

# Marstech Limited

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

October 6, 1998

Federal Communications Commission  
Equipment Authorization Division  
Application Processing Branch  
7435 Oakland Mills Rd.  
Columbia, MD 21046

Subject: FCC Part 15 Certification Application for  
Astralink Technology Pte. Ltd.  
Models CF8300 and CF8100  
FCC ID: MSUCF8000A  
Marstech Report No. 98378D

Gentlemen:

We are herewith submitting an original filing for Astralink Technology Pte. Ltd. for their Models CF8300 and CF8100 for Part 15 certification.

The subject models are 900MHz cordless telephones. Models CF8300 and CF8100 are identical except for model designation, speakerphone feature and number of handsets (e.g. CF8300 has speakerphone and 2 handsets whereas CF8100 has 1 handset and does not have speakerphone). Please note that the handsets are all identical. In view of this, complete testing has been completed for CF8300 and partial testing for CF8100 in compliance with FCC Part 15 Rules. Please note also that both models will bear the same FCC ID: MSUCF8000A.

Please review this project at your earliest convenience and please do not hesitate to call us collect should any problem arise.

Yours very truly,

MARSTECH LIMITED

  
Robert G. Marshall, P. Eng.  
President  
E-mail bob@marstechltd.com

RGM/ekc

Enclosures

cc: Mr. Richard Gan

Authorized by:  
Professional Engineers  
Ontario



Engineering &  
Administrative



Testing For FCC  
Submissions/Verifications

Primary Contact  
Approved Test Facility





ASTRALINK TECHNOLOGY PTE LTD

26 Ayer Rajah Crescent #07-03 Singapore 139944  
Tel: (65) 777-0076 Fax: (65) 778-8805

Federal Communication Commission  
Equipment Authorization Branch  
7435 Oakland Mills Rd.  
Columbia, Md 21046

Subject : Letter of Authorization

Gentlemen:

We, the undersigned, hereby authorize Marstech Ltd. to act on our behalf before the Federal Communications Commission in all matters relating to applications for equipment authorization, including the signing of all documents relating to these matters. Any and all acts carried out by the named party on our behalf shall have the same effects as acts of our own.

We, (Astralink Technology Pte Ltd ), certify that no party to the application is subject to a denial of federal benefits, that includes FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U. S. C. 853(a).

Yours very truly  
ASTRALINK TECHNOLOGY PTE LTD

Signature .....

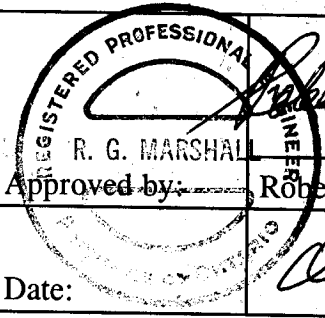
Printed Name : Michael Lee

Title : Manager

FCC ID: MSUCF8000A  
Marstech Report No. 98378D

# Marstech Limited

11 Kelfield Street, Etobicoke, Ontario, Canada, M9W 5A1.  
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| TEST REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                    |                                                                                      |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------|
| REPORT DATE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                    | 21 September 1998                                                                    |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                    | REPORT NO: 98378D                                                                    |                   |
| CONTENTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | See Table of Contents                                                                              |                                                                                      |                   |
| SUBMITTOR:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ASTRALINK TECHNOLOGY PTE. LTD.<br>26 Ayer Rajah Crescent, #07-03<br>SINGAPORE 139944               |                                                                                      |                   |
| SUBJECT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Model No:                                                                                          |                                                                                      | CF8300 and CF8100 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FCC ID:                                                                                            |                                                                                      | MSUCF8000A        |
| TEST SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FCC CFR 47 15.249<br>Sections: 15.35, 15.109 and 15.209<br>NOTE: Tests Conducted Are "Type" Tests. |                                                                                      |                   |
| DATE SAMPLE RECEIVED:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10 September 1998                                                                                  | DATE TESTED:                                                                         | 16 September 1998 |
| RESULTS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Equipment tested complies with referenced specification.                                           |                                                                                      |                   |
| ALTERATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | None                                                                                               |                                                                                      |                   |
| Tested by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Original signed by:                                                                                |  |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Jim Sims                                                                                           |                                                                                      |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Hiran De Silva                                                                                     |                                                                                      |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Ed. Chang                                                                                          |                                                                                      |                   |
| Reviewed by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Edward Chang                                                                                       | Date:                                                                                | Oct 5/98          |
| <b>THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF MARSTECH LIMITED.</b> 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 |                                                                                                    |                                                                                      |                   |

Authorized by:  
Professional Engineers  
Ontario

Engineering &  
Administrative



Testing For FCC  
Submissions/Verifications



Approved Test Facility



TECHNICAL REPORT - FCC 2.1033(b)

Applicant

Astralink Technology Pte. Ltd.  
26 Ayer Rajah Crescent, #07-03  
SINGAPORE 139944

FCC Identifier

MSUCF8000A

Manufacturer

Tru-Tech Electronics (M) Sdn. Bhd.  
Batu 2 Jalan Lombong, Kawasan,  
Perindustrian Kota Tinggi  
Johor, Malaysia

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| B              | Description of Circuit Functions                                                                         | 2.1033(b)(4)    | Exhibit B<br>Exhibit B(1)-1 to -4                                               |
| C              | Block Diagram<br>Schematic Diagram                                                                       | 2.1033(b)(5)    | Exhibit C<br>Exhibit C(1)-1 to -2<br>Exhibit C(2)-1 to -10                      |
| D              | Report of Measurements<br><br>Device Measured<br>Test Facility and Equipment<br>Test Results and Methods | 2.1033(b)(6)    | Exhibit D<br><br>Exhibit D(1)-1<br>Exhibit D(2)-1 to -3<br>Exhibit D(3)-1 to -7 |
| E              | Photographs<br><br>Label<br>Equipment                                                                    | 2.1033(b)(7)    | Exhibit E<br><br>Exhibit E(1)-1<br>Exhibit E(2)-1 to -13                        |