

# CORRESPONDENCE

## Marstech Limited

11 Kelfield Street  
Etobicoke, Ontario, M9W 5A1  
(416) 246-1116

Fax: (416) 246-1020, E-mail bob@marstechltd.com

Testing For FCC  
Submissions/  
Verifications

Engineering &  
Administrative



Authorized by:  
Professional Engineers  
Ontario

Industry Canada  
Industrie Canada  
Approved Test Facility



**To:** Mr. Joe Dichoso      **Date:** January 7, 1999  
**Company:** FCC Lab - Maryland      **Pages:** 4, including this cover sheet.  
(FCC Application Processing Branch)  
**From:** Bob Marshall  
**Reference:** 98389D1      **Fax Log:** FCC-L003  
**Subject:** FCC ID: AX292AJC215R  
Applicant: Clarion Co. ltd.  
**Correspondence Reference No.:** 5434  
**731 Confirmation No.:** EA92006  
**Date of Original Email:** 01/05/1999

### COMMENTS:

- 1) Please see the attached Bank Draft dated October 13, 1998 and Fee Form sent to Mellon Bank.
- 2) It was our understanding with Charlie Cobbs that the receiver info was not required but as per your conversation with Jim Sims yesterday (Jan. 6/99), we did do the testing and we attached a copy of his Email following your telecon with him.

If you need further info, please call us at (416) 246-1116.

Best Regards,

**CUSTOMER'S RECORD OF DRAFT PURCHASED FROM**

# THE TORONTO-DOMINION BANK

7 JAN 1985 - 01527031

1527031

OCTOBER 13 19 58

PAYABLE TO FEDERAL COMMUNICATIONS COMMISSION

U.S. \$ \*\*\*\*\* 345.00

35620

           DOLLARS  
UNITED STATES CURRENCY

RECEIPT ONLY - NOT NEGOTIABLE

PLEASE RETAIN FOR PRESENTATION IN EVENT ORIGINAL LOST

<b>AUTHORIZED OFFICER</b>	<b>NUMBER</b>
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**COUNTERSIGNED**

Clarion TC-215R #9838901

②

READ INSTRUCTIONS CAREFULLY  
BEFORE PROCEEDING

ELECTRONIC FILING

1) LOCKBOX # 358315

FEDERAL COMMUNICATIONS COMMISSION  
REMITTANCE ADVICE

PAGE NO. 1 OF 1

APPROVED BY OMB 3060-0589

SPECIAL USE

FCC USE ONLY

SECTION A - PAYER INFORMATION

(2) PAYER NAME (If paying by credit card, enter name exactly as it appears on your card)

Marstech Limited

(3) TOTAL AMOUNT PAID (dollars and cents)

\$365.00 USD

(4) STREET ADDRESS LINE NO. 1

11 Kelfield Street

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Etobicoke, Ontario

(7) STATE

(8) ZIP CODE

M9W 5A1

(9) DAYTIME TELEPHONE NUMBER (Include area code)

(416) 246-1116

(10) COUNTRY CODE (if not in U.S.A.)

CAN (CANADA)

IF PAYER NAME AND THE APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B  
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

SECTION B - APPLICANT INFORMATION

(11) APPLICANT NAME (If paying by credit card, enter name exactly as it appears on your card)

CLARION CO., LTD.

(12) STREET ADDRESS LINE NO. 1

50 Kamitoda

(13) STREET ADDRESS LINE NO. 2

(14) CITY

Toda Saitama

(15) STATE

(16) ZIP CODE

335-8511

(17) DAYTIME TELEPHONE NUMBER (include area code)

81 48 443 1111 Ext. 665

(18) COUNTRY CODE (if not in U.S.A.)

JAPAN

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEETS (FORM 159-C)

SECTION C - PAYMENT INFORMATION

(19A) FCC CALL SIGN/OTHER ID

(20A) PAYMENT TYPE CODE (PTC)

E

E

C

(21A) QUANTITY

1

(22A) FEE DUE FOR (PTC IN BLOCK 20A)

\$365.00 USD

FCC USE ONLY

(23A) FCC CODE 1

(24A) FCC CODE 2

(19B) FCC CALL SIGN/OTHER ID

(20B) PAYMENT TYPE CODE (PTC)

(21B) QUANTITY

(22B) FEE DUE FOR (PTC IN BLOCK 20B)

FCC USE ONLY

(23B) FCC CODE 1

(24B) FCC CODE 2

(19C) FCC CALL SIGN/OTHER ID

(20C) PAYMENT TYPE CODE (PTC)

(21C) QUANTITY

(22C) FEE DUE FOR (PTC IN BLOCK 20C)

FCC USE ONLY

(23C) FCC CODE 1

(24C) FCC CODE 2

(19D) FCC CALL SIGN/OTHER ID

(20D) PAYMENT TYPE CODE (PTC)

(21D) QUANTITY

(22D) FEE DUE FOR (PTC IN BLOCK 20D)

FCC USE ONLY

(23D) FCC CODE 1

(24D) FCC CODE 2

SECTION D - TAXPAYER INFORMATION (REQUIRED)

(25)

PAYER TIN

4

1

6

2

4

6

1

1

1

6

APPLICANT TIN

8

1

4

8

4

3

11

SECTION E - CERTIFICATION

(27) CERTIFICATION STATEMENT

I, Robert G. Marshall, P. Eng.

(PRINT NAME)

(26) COMPLETE THIS BLOCK ONLY IF APPLICANT NAME IS DIFFERENT FROM PAYER NAME IN (25)

Certify under penalty of perjury that the foregoing and supporting information

are true and correct to the best of my knowledge, information and belief. SIGNATURE Robert Marshall

SECTION F - CREDIT CARD PAYMENT INFORMATION

(28)

MASTERCARD/VISA ACCOUNT NUMBER:

EXPIRATION DATE

☐ MASTERCARD

☐ VISA

I hereby authorize the FCC to charge my VISA or MASTERCARD  
for the services/authorized services described. →

AUTHORIZED SIGNATURE

MONTH YEAR  
DATE

SEE PUBLIC BURDEN ESTIMATE ON REVERSE

FCC FORM 159 JULY 1997 (REVISED)

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# **--- E-MAIL ---**

**TO:** MR. BOB MARSHALL (Marstech Ltd.)  
**FROM:** JIM SIMS (Com-Serve Corporation; TEL VOICE: 519 748-4890)  
**DATE:** January 06, 1999  
**SUBJECT:** Clarion JC215HMobile "CB" Transceiver ..... Page 1 of 1.

BOB, AS PER OUR TELEPHONE CONVERSATION THIS MORNING, I HAVE THE FOLLOWING COMMENTS.

THE SPURIOUS RADIATED LIMITS WERE CALCULATED AS FOLLOWS:

- MAXIMUM TRANSMITTER OUTPUT TOTAL POWER or  $P_t = 3.4$  Watts.
- ASSUME ALL MEASUREMENTS ARE RELATED TO  $\frac{1}{2}$  WAVE TUNED DIPOLE ANTENNAS AS PER FCC REGULATIONS.
- APPLY FORMULA TO ESTABLISH FIELD STRENGTH OF 3.4 W CARRIER ( $P_t$ ) AT A DISTANCE OF 3 (THREE) METRES.
- FORMULA IS

$$\sqrt{49.2 * P_t}$$

Distance (M)

- RESULTS =  $\text{sqrt}(49.2 * 3.4 = 167.28) = 12.93368 \div 3 = 4.311227 \text{ V/M}$
- AS PER FCC PART 90, REDUCE THIS LEVEL BY AT LEAST -60dB = **4.311  $\mu\text{V/M}$**

AS FAR AS THE RADIO RECEIVER L.O. IS CONCERNED, THE APPLICABLE BAND WAS SCANNED; NO EMISSIONS WERE FOUND. WE ALSO MEASURED 25 MHz TO 30 MHz CAREFULLY, ONCE AGAIN THERE WERE NO RECEIVER L.O. EMISSIONS FOUND.

REGARDS

*Jim*

(4)