

# 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,

15538 (04/97) PART 3

CUSTOMER'S RECORD OF DRAFT PURCHASED FROM

# THE TORONTO-DOMINION BANK

1212 BAY STREET, TORONTO, ONTARIO M5G 1B5  
WORLDWIDE TELEPHONE: 416-947-1000  
WORLDWIDE TELETYPE: 416-947-1000

NO. 1527031

OCTOBER 13 19 98

PAYABLE TO FEDERAL COMMUNICATIONS COMMISSION

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

⑆3650⑆

DOLLARS  
UNITED STATES CURRENCY

RECEIPT ONLY - NOT NEGOTIABLE

PLEASE RETAIN FOR PRESENTATION IN EVENT ORIGINAL LOST

*[Signature]*  
AUTHORIZED OFFICER  
NUMBER  
COUNTERSIGNED

*Clarion FC-215R #9838901*

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READ INSTRUCTIONS CAREFULLY BEFORE PROCEEDING  
ELECTRONIC FILING  
1) LOCKBOX # 358315

FEDERAL COMMUNICATIONS COMMISSION  
REMITTANCE ADVICE

APPROVED BY OMB 3060-0589

PAGE NO 1 OF 1

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	(26) COMPLETE THIS BLOCK ONLY IF PAYER CODE IN (1) IS DIFFERENT FROM PAYER CODE IN (25) APPLICANT TIN 8 1 4 8 4 4 3 11 11
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SECTION E - CERTIFICATION

(27) CERTIFICATION STATEMENT  
I, Robert G. Marshall, P. Eng., Certify under penalty of perjury that the foregoing and supporting information  
(PRINT NAME)  
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: <input type="checkbox"/> MASTERCARD	EXPIRATION DATE MONTH YEAR
<input type="checkbox"/> VISA	AUTHORIZED SIGNATURE DATE
I hereby authorize the FCC to charge my VISA or MASTERCARD for the services/authorized basis described. →	

SEE PUBLIC BURDEN ESTIMATE ON REVERSE

FCC FORM 159 JULY 1997 (REVISED)

3

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

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**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.

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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 Pt = 3.4 Watts.
- ASSUME ALL MEASUREMENTS ARE RELATED TO 1/2 WAVE TUNED DIPOLE ANTENNAS AS PER FCC REGULATIONS.
- APPLY FORMULA TO ESTABLISH FIELD STRENGTH OF 3.4 W CARRIER (Pt) AT A DISTANCE OF 3 (THREE) METRES.

- FORMULA IS 
$$\frac{\sqrt{49.2 * Pt}}{\text{Distance (M)}}$$

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