

# CORRESPONDENCE

## Marstech Limited

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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 ST. TORONTO, ONT. M5G 1B5  
WORLDWIDE BANKING SERVICES  
WORLDWIDE BANKING SERVICES

NO. 1527031

OCTOBER 13 19 98

PAYABLE TO FEDERAL COMMUNICATIONS COMMISSION

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

365 00

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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**--- 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 =  $\text{sqrt}(49.2 * 3.4 = 167.28) = 12.93368 \div 3 = 4.311227 \text{ V/M}$
- 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*

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