

PARAMOUNT WIRELESS LIMITED PARTNERSHIP

M/A Address:

P. O. Box 66436

Baton Rouge, LA 70896

504/927-6815

FAX 504/927-6818

RECEIVED

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY
4615 North Boulevard
Baton Rouge, LA 70806

February 3, 1994

Mr. H. Frank Wright
Frequency Liaison Branch
Office of Engineering and Technology
Federal Communications Commission
Washington, D.C. 20554

Re: Station KM2XEN
File No. 3072-EX-PL-92

Dear Mr. Wright:

Pursuant to Condition 3 of Station KM2XEB's experimental license, which was granted on August 10, 1992, this constitutes the sixth of our quarterly reports regarding the progress of the authorized experimental PCS operations.

In the time since our last quarterly report was filed, Paramount Wireless Limited Partnership (PWLP) has continued experiments with its wireless PCS public and private base station and handset equipment.

PWLP has accomplished the integration of a portion of the PCS equipment with an electronic key system in order to implement a subset of the key system features on the PCS network. The PCS equipment involved in this integration utilizes CT2 technology.

PWLP believes that the integration of the PCS equipment, utilizing CT2 technology, with a number of telephone service systems will approximate the services being offered on the Public Switched Telephone Network (PSTN) and increase customer acceptance of and demand for PCS.

In addition to experimentation with the PCS equipment utilizing CT2 technology, PWLP is experimenting with 900 MHz digital spread spectrum equipment. This equipment utilizes Code Division Multiple Access (CDMA) technology to provide 100 channels of secure digital voice transmission. The CDMA equipment employs digital spread spectrum techniques to scramble and transmit digitized voice for secure mobile telephone conversations. The CDMA technology is one of two transmission techniques which might be employed for secure mobile PCS communications.

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PWLP is exploring the coverage characteristics of the CDMA equipment which operates in the 900 MHz frequency range. The power and emission limits inherent within the CDMA equipment conform to the Part 15 FCC rules.

PWLP is exploring the possibilities of employing a distributed antenna system for the PCS base stations in order to increase the coverage area associated with a base station and handset system which operates at a low 10 mW of Effective Radiated Power (ERP).

PWLP is continuing its dialogue with PCS vendors for ISDN type base station and handset equipment. The ISDN PCS equipment will be connected with the Advanced Intelligent Network (AIN) / Signaling System Seven (SS7) subsystem equipment being purchased by PWLP affiliates. PWLP is planning to use the AIN 0.1 or AIN 0.2 software release to accomplish the "intelligent" PCS implementation. This "intelligence" should have a value added effect which will allow PCS to enjoy accelerated market penetration. PWLP is poised to implement a PCS system which will utilize recent AIN and ISDN technology.

For the time being, PWLP is continuing to complete PCS experiments, the results of which will serve the public in ways which will be effective in increasing public interest and participation in the forthcoming PCS market.

Any technical questions should be addressed to:

Robert A. Hart IV
Hart Engineers
P. O. Box 66436
Baton Rouge, LA 70896
Phone: (504) 927-6815
Fax: (504) 927-6818

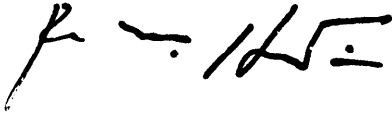
Any other questions concerning this report should be addressed to:

Charles D. Cosson
2120 L Street, N.W., Suite 810
Washington, DC 20037
Phone: (202) 296-8890
Fax: (202) 296-8893

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Sincerely,

Paramount Wireless Limited Partnership

A handwritten signature in black ink, appearing to read 'R. A. Hart IV' with a stylized flourish at the end.

Robert A. Hart IV,
Managing Partner

RAH IV:AE