



**METROPOLITAN
FIBER SYSTEMS, INC.**

GOVERNMENT AFFAIRS OFFICE
3000 K STREET, N.W., SUITE 300
WASHINGTON, D.C. 20007
TEL. (202) 944-4209
FAX (202) 944-4296

December 14, 1992

H. Franklin Wright, Chief
Frequency Liaison Branch
Federal Communications Commission
2025 M Street, N.W. - Room 7326
Washington, D.C. 20554

Re: Metropolitan Fiber Systems/McCourt, Inc. Third
Quarterly Progress Report (FCC File No. 2060-EX-PL-91;
Call Sign KK2XFP)

Dear Mr. Wright:

Metropolitan Fiber Systems/McCourt, Inc. ("MFS") hereby submits its quarterly progress report for its Personal Communications Service ("PCS") experimental license granted on March 16, 1992 (FCC File No. 2060-EX-PL-91 Call Sign KK2XFP).

There have been no significant developments since MFS' last progress report. MFS is continuing the activities outlined in its initial progress report and anticipates initiation of PCS experiments in the future. We will continue to keep you apprised of any significant developments in our quarterly progress reports.

Please feel free to contact me with any questions.

Very truly yours,

A handwritten signature in cursive script, reading 'Andrew D. Lipman'.

Andrew D. Lipman
Senior Vice President
Regulatory Affairs

Metropolitan Fiber Systems, Inc.
Government Affairs Office
3000 K Street N.W., Suite 300
Washington, D.C. 20007
(202) 944-4209

June 16, 1992

BY MESSENGER

Dr. Thomas P. Stanley
Chief Engineer
Federal Communications Commission
2025 M Street, N.W.
Room 7002
Washington, D.C. 20554

ICE-G, Inc

Re: Metropolitan Fiber Systems of California, Inc.
d/b/a Metropolitan Fiber Systems of San Francisco,
Inc. First Experimental Progress Report
(FCC File No. 2026-EX-PL-91; Call Sign KK2XFR)

Dear Dr. Stanley:

Metropolitan Fiber Systems of California, Inc. d/b/a Metropolitan Fiber Systems of San Francisco ("MFS") hereby submits the first of its quarterly progress reports of its personal communications services ("PCS") experiments as required by its experimental license granted on March 16, 1992 (FCC File No. 2026-EX-PL-91, Call Sign KK2XFR). As outlined in MFS' application and as authorized by its experimental license, MFS plans to conduct experiments within the 20 mile radius of San Francisco, California in order to assess the technical, operational and marketing aspects of PCS. In particular, MFS anticipates that its experiments will generate useful data regarding the potential synergies between emerging wireless technologies such as Personal Communications Network ("PCN") services and existing fiber optic competitive access services.

MFS is in the initial stages of establishing its experiments. To date, MFS' efforts have focused on negotiations and discussions with several equipment vendors (of base stations and handsets) in an effort to determine the specific technical

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requirements for operation of its planned experimental PCN network. Based on those discussions, MFS expects that the technical characteristics of its planned network will be revised as the trials progress.

MFS will test PCS equipment to evaluate a number of performance requirements, such as:

- high availability: low mean time failure rate, low down time
- high reliability: low bit error rate, secure transmissions
- low setup and operating costs

In addition to a broad range of performance criteria, MFS will also evaluate equipment proposed for use in its PCS experiments for durability and availability of components and repairs.

MFS is also in the process of assembling a PCS development team to implement and oversee the planned experiments. This team will be comprised of individuals, some of whom are new to the company, with diverse backgrounds in radiotechnologies, mobile communications, frequency and network engineering, marketing, and financial and new product analysis. The broad-based expertise and experience of this team will be critical to the success of MFS' planned experiments.

In preparation for the commencement of actual testing, MFS is also investigating appropriate base station sites and licenses in the San Francisco area. MFS' final site selections will depend on its assessment of, among other factors, technical suitability for propagation testing, user density, diversity of specific applications, local zoning restrictions and cost.

As a part of the trials, MFS will also discuss with potential customers and other firms in the San Francisco area the nature and extent of customer need for PCS and the current availability and cost of services that can meet those needs. MFS plans to meet with existing users to obtain detailed information regarding microwave sites and the type of communications

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transmitted. Further, MFS has begun to investigate the nature and extent of existing uses of spectrum in the 1.8-1.9 GHz band in the San Francisco area in preparation for its frequency interference analyses. That phase of MFS' PCS experiment will assess the impact of a variety of PCS technologies on existing radio users and evaluate the feasibility of spectrum sharing.

MFS will keep the Commission apprised in subsequent reports of its progress and PCS test results relevant to the Commission's goal of implementing PCS in the United States as rapidly and efficiently as possible.

Any questions regarding this progress report should be directed to the undersigned.

Very truly yours,



Andrew D. Lipman
Senior Vice President Regulatory
Affairs