



February 12, 1999

Mr. Frank Wright, Chief, Frequency Liaison
Office of Engineering and Technology
Federal Communication Commission
2025 M Street, NW Room 7322
Washington, D.C. 20544

Care of:

Mellon Bank
Three Mellon Bank Center
525 William Penn Way
27th Floor, Room 15333-2713
Pittsburgh, PA. 15259-0001
ATTN: Federal Communications Commission
Wholesale Lockbox Shift Supervisor

RE: Request for Special Temporary Authority
Office of Engineering and Technology

Dear Mr. Wright:

Pursuant to Section 5.56 of the Commission's rules, 47 C.F.R. Par. 5.56 (1992), Diablo Research Corporation requests Special Temporary Authority to operate an in-building propagation site survey in two hospitals. The first site is at the Good Samaritan Hospital in San Jose, Ca. The second is at the William Beaumont Hospital in Detroit Michigan. The first test will begin on or about March 15, 1999 and conclude on or about March 22, 1999. The second test will begin on or about March 23, 1999 and conclude on or about March 31, 1999.

In accordance with the FCC's Fee Schedule (EAE code), a check for \$45 is enclosed with the FCC Form 159.

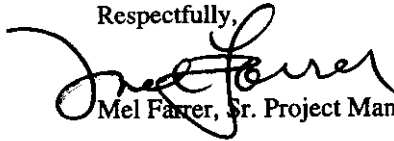
In support of this request, the following is shown:

1. Diablo Research Corporation, Mel Farrer, Sr. Project Manager, 825 Stewart Drive, Sunnyvale, Ca. 94086.
2. Determination of path loss data profiles inside the two buildings for biomedical telemetry communication. These short range tests (less than 30 meters) will be used to determine the most practice RF architecture and system protocol necessary for reliable communications.
3. The tests will be conducted using reference gain antennas, low power, approximately 0.1 watt, CW laboratory signal sources and spectrum analyzers to provide a benchmark data base on the following frequencies: 174 to 216 MHz, 470 to 668 MHz, 608 to 614 MHz, 1385 to 1390 plus 1432 to 1435 MHz and 2.4 to 2483.5 MHz.

4. Each test will be approximately 7 days in length, allowing for setup. There will be a total of approximately 180 transmission periods per test. Each transmission will be in short periods of less than one minute.

5. The spectrum will be inspected prior to each transmission for active users within the band of interest, and frequencies will be selected that are not used.

Respectfully,



Mel Farrer, Sr. Project Manager