



January 29, 1999

School of Engineering

Department of
Electrical Engineering-
Systems

Communication
Sciences Institute

Federal Communications Commission
Experimental Radio Service
c/o Mellon Bank
Three Mellon Bank
525 William Penn Way
27th Floor Room 153-2713
P.O. Box 358320
Pittsburgh, PA 15251-5320

Dear Sir:

Enclosed is our application and \$45.00 check with FCC Form 442 and FCC Form 159 towards an Experimental Radio License for experiments to be carried out in our Ultra Wideband Radio Laboratory at the University of Southern California.

Please mail license and any documents to:

Dr. Robert A. Scholtz
University of Southern California
Department of Electrical Engineering
Los Angeles, CA 90089-2565

Thank you for your efforts in expediting the processing of this license.

Sincerely yours,

Milly Montenegro for Dr. Robert A. Scholtz
CSI Administrative Coordinator

Enclosures

Mime-Version: 1.0
Date: Tue, 5 Jan 1999 15:05:13 -0500
From: munson@fr.com (DXM)
Subject: USC Experimental License Application
To: scholtz@milly.usc.edu
Cc: chuck@zircon.com, mahn@fr.com (TGM), munson@fr.com (DXM)

Dear Bob:

This is to follow-up our recent telephone conversations and your November 17 and December 14 faxes concerning the completion of an experimental license application for various UWB experiments. The earlier fax contained a completed FCC Form 442 (the experimental license application form) as well as Exhibits 2 and 3 thereto; the later fax contained Exhibit 1. You asked what else needed to be done to expedite the application process.

Fixed
The application is now substantially complete, however, a few minor revisions will be necessary. Specifically, although Exhibit 1 provides a general description of device operation, it does not provide the "particulars of operation" required in box 4 of FCC Form 442 (which references Exhibit 1). To remedy this situation, we suggest (i) referring to both Exhibits 1 and 3 in box 4, and (ii) clarifying the concise operating frequency range in Exhibit 3 (it is not clear whether the "fundamental" frequency range is 1 GHz to 1.5 GHz, or whether there is a fundamental .5 GHz UWB signal which might be applied at various points across the spectrum).

In addition, in Section I (page 1) of Form 442, the fee amount -- \$45.00 -- should be entered in both the "Feed Due" box and the "Total Amount Remitted" box (the latter of which is located at the bottom of Section II, page 1). Finally, the form will need to be signed and dated. Otherwise, the application appears to be in order.

Unfortunately, there are no applicable fee waiver provisions for these experiments; thus, a \$45.00 fee will be required. The fee (which can be paid via credit card or a check made payable to the FCC) must be accompanied by a completed FCC Form 159 (revised July 1997, which can be down-loaded from the FCC's website at www.fcc.gov). The fee, Form 159 and Form 442 must be sent to the following address:

Federal Communications Commission
Experimental Radio Service
c/o Mellon Bank
Three Mellon Bank
525 William Penn Way
27th Floor
Room 153-2713
Pittsburgh, PA 15251-5320

Attn: Wholesale Lockbox Shift Supervisor
P.O. Box 358320

(NOTE: the address above is for FedEx and other courier services; if sent by U.S. mail, disregard the "Attn" line, and add in the address: PO Box 358320, and zip code, 15251-5320).

You indicated that the paperwork involved in obtaining a check for the fee is quite onerous. If it would be helpful, we can expedite the application on USC's behalf, however, we will need you to send us the completed, signed application (and Exhibits), as revised above.

Please contact us if you have any questions or comments....David Munson