

From: Anthony Serafini
Sent: Monday, April 26, 2004 10:09 AM
To: 'fitz@ee.ucla.edu'
Subject: Experiment application - take 2

Dr. Fitz

It appears that you are having challenges navigating our experimental system and rules. Our computer admin folks forwarded your message to me since you did not upload your response to your application but hit the reply button, as the message instructed not to do.

Your application lists 400 Hz channels but you state that you will need a 4 kHz channel. Your selected band is a shared band with government and non-government land mobile users that is heavily congested. The FCC does not pick frequencies for experimental applicants. Please contact a local land mobile frequency consultant to do a study to help you select available frequencies for your research. At this time, your application is considered incomplete and we are unable to proceed any further. Accordingly, it will be dismissed as moot. You may reapply, when you have obtained the necessary frequency study.

Tony Serafini
Experimental Branch
-----Original Message-----
From: George Tannahill
Sent: Monday, April 26, 2004 7:17 AM
To: Anthony Serafini
Subject: FW: Unable to Send Mail Record

Hi Tony,
The email below appears to be a reply for you.
George

-----Original Message-----
From: OET Generic account [mailto:oetech@fccsun34w.fcc.gov]
Sent: Sunday, April 25, 2004 4:43 PM
To: George Tannahill
Subject: Unable to Send Mail Record

From fitz@ee.ucla.edu Sun Apr 25 16:10:53 2004
Return-Path: <fitz@ee.ucla.edu>
Received: from smarthost2.fcc.gov (smarthost2.fcc.gov [165.135.234.4])
by fccsun34w.fcc.gov (8.11.7p1+Sun/8.11.7) with ESMTP id i3PKArB14327
for <oetech@fccsun34w.fcc.gov>; Sun, 25 Apr 2004 16:10:53 -0400 (EDT)

Received: from mailgate1.fcc.gov ([165.135.0.251] [165.135.0.251]) by smarthost2.fcc.gov with ESMTP for oetech@fccsun34w.fcc.gov; Sun, 25 Apr 2004 16:10:53 -0400

Received: from sccrmhc12.comcast.net (sccrmhc12.comcast.net [204.127.202.56]) by mailgate1.fcc.gov (dcMail/2004) with ESMTP id i3PKAnLV003862 for <oetech@fccsun34w.fcc.gov>; Sun, 25 Apr 2004 16:10:49 -0400 (EDT)

Received: from [10.0.1.5] (c-24-126-8-241.we.client2.attbi.com[24.126.8.241]) by comcast.net (sccrmhc12) with SMTP id <20040425201048012002p3ste>; Sun, 25 Apr 2004 20:10:48 +0000

Mime-Version: 1.0 (Apple Message framework v613)

In-Reply-To: <200404221958.i3MJwth21867@fccsun34w.fcc.gov>

References: <200404221958.i3MJwth21867@fccsun34w.fcc.gov>

Content-Type: text/plain; charset=US-ASCII; format=flowed

Message-Id: <A3CFD722-96F4-11D8-9111-000A95D127F6@ee.ucla.edu>

Content-Transfer-Encoding: 7bit

From: Michael Fitz <fitz@ee.ucla.edu>

Subject: Re: Experiment 0080-EX-PL-2004 [Reference Number: 2993]

Date: Sun, 25 Apr 2004 13:10:47 -0700

To: OET Generic account <oetech@fccsun34w.fcc.gov>

X-Mailer: Apple Mail (2.613)

Content-Length: 2181

For clarity we would like at least 1 channel pair in the narrowband radio services band (more would allow us to include a wider array of networking experiments). The channels are specified at about 4KHz bandwidth on the uplink (221.xxx) and on the downlink (220.xxx) with exactly 1 MHz uplink and downlink separation. The channels have 5kHz spacing.

We will be using packet switched digital modulations. The downlink modulations will be phase shift keyed (PSK) and quadrature amplitude modulation (QAM). Multiple access will be achieved through time division duplexing. The uplink modulations will be various types of continuous phase modulations (CPM). In both cases we will be experimenting with multiple antenna modulations.

My best guess at the arcane designations that are being used would be

Uplink

Downlink

D-combine amplitude and phase

1-single channel digital

1-single channel digital

D-Data transmission

G-Phase modulation

D-Data

transmission

On Apr 22, 2004, at 12:58 PM, OET Generic account wrote:

- > Please specify the emissions that you will be testing according to the
- > 3 character designations in section 2.201 of the FCC rules. Also,
- > please confirm that you are only requesting a 400 Hz channel
- > bandwidth.
- >
- > Confirmation Number: EL14379
- > aserafin@fcc.gov
- > =====
- > The items indicated above must be submitted before processing can
- > continue on the above referenced application. Failure to provide the
- > requested information within 30 days of 04/22/2004 may result in
- > application dismissal pursuant to Section 5.67 and forfeiture of the
- > filing fee pursuant to Section 1.1108.
- >
- > DO NOT Reply to this email by using the 'Reply' button. In order for
- > your response to be processed expeditiously, you must upload your
- > response via the Internet at
- > https://gulfoss2.fcc.gov/prod/oet/index_els.html
- >
- >