

Exhibit 1**Objectives Sought To Be Accomplished**

Flarion Technologies, Inc. ("Flarion") was granted an experimental license (0159-EX-PL-2000) by the FCC, effective September 25, 2000, and expiring October 1, 2005, to perform testing of a prototype broadband wireless communications system based on Flarion's flash-OFDM technology. As indicated in the initial filing, the testing consists of a first phase single basestation prototype test, followed by a second phase multi-basestation system test.

The objective of the phase one, prototype, test is to validate the system design concept, functionality, and operation of the equipment. The prototype testing process will also identify issues to be addressed prior to the system trial. The objective of the phase two, system test is to understand the performance of the system under real world conditions, which cannot be effectively understood or modeled in a lab setting. These include environment, propagation, frequency reuse, mobility user behavior, traffic mix and system loading.

Flarion has successfully tested the phase one prototype basestation and mobile station and is planning the phase two system test. Flarion seeks to modify the experimental license for the Bedminster location (Location 1 on the authorization) to include a broader portion of the surrounding area, and to increase the basestation's transmit power in order to achieve a contiguous coverage area.

Flarion wishes to leave the New York portion (Location 2) of its experimental license unchanged at this time, and intends to conduct testing in the New York City region in the future.

Proposed Program Of Research And Experimentation

The equipment under test (EUT) consists of an (experimental) system specifically developed to deliver broadband voice and data communications to mobile devices. The system will allow mobile users to access the Internet, corporate intranets, and other services at data rates significantly higher than presently available in existing mobility products. The system will utilize multiple cells and reuse frequencies in a manner similar to cellular telephone networks with a reuse factor of one.

The system test will operate in the 700 MHz band, between 747 MHz to 794 MHz, with a transmitted channel bandwidth of up to 5 MHz for both the forward link and reverse link using a Frequency Division Duplex (FDD) channel structure. The system is based on an OFDM access approach with a MAC layer optimized for packet communications over a wireless channel. The transmitted signal for the prototype will have the following characteristics per line 4, Form 442:

Frequency (MHz)	Maximum RF power output at transmitter terminals	Maximum EIRP from the antenna	Mean or Peak	Emission	Modulating Signal	Necessary Bandwidth
a	b	c	d	e	f	g
DL 747 to 764	47 dBm	45 dBm	Mean	D7D	See below*	5M0
UL 777 to 794	23 dBm	30 dBm	Mean	D7D	See below*	5M0

* The modulating signal consists of a multitone signal where the available bandwidth is divided into multiple tones, where the phase and amplitude of each tone is determined by the information bits and an inverse Fast Fourier Transform (FFT) is performed to obtain the time domain modulating signal.

Flarion seeks to expand the single basestation test system in the Bedminster N.J. area, which is located at **Lat: 40 38 45 Lon: 74 38 25**, to include the surrounding area of North Plainfield, New Jersey, for the purpose of conducting system testing. Although exact base station sites have not been selected at this time, it is anticipated that no more than 5 sites will be deployed, and that the maximum basestation EIRP will be limited to 47 dBm. The number of mobile stations will be 50 or less. The testing will be limited to a 19 km radius surrounding the following centerpoint: Lat: 40 40 00, Lon: 74 30 00.

An interference analysis has been performed for the frequencies for which we are requesting experimental authorization. The results are detailed in Exhibit 2, and demonstrate that no harmful interference will result to existing TV operators who presently operate in the proposed band of operation.

Exhibit 2**Interference Analysis**

An interference analysis was performed in the area of each location for which an experimental license is being requested. The locations of broadcast stations in the area was first investigated, using the information available in the FCC databases, to determine if the proposed test locations are in the service areas for the stations. All stations co-channel are more than 55 miles from the test areas with the exception of channel 66, WFME, which is approximately 45 miles, and Channel 60, W60AI, which is also approximately 45 miles away. Both stations have a relatively low transmit power, however, - 24kW and 45kW respectively - and should not be subject to interference given the limited transmit power of the Radio Router system.

Additionally, and as a further step to avoid the potential for interference, measurements of signal strength were taken for each TV channel in the auction band (Channels 60 through 67) using an external antenna mounted to a drive test vehicle. The results are shown in the table below. The measurements were undertaken to determine which channels could be used for the prototype and subsequent system testing. It is Flarion's understanding that a signal strength of greater than -70 dBm is needed for reliable reception of a NTSC signal. No signals greater than -70 dBm were measured for the requested channels in the test areas. Flarion is committed to preventing harmful interference resulting from the test systems.

Integrated Power Level (dBm/6MHz)

Channel	A	B	C	D
39	< 99	< 99	< 99	< 99
59	< 99	< 99	< 99	< 99
60	< 99	< 99	< 99	< 99
61	-72.4	-76.1	-82.7	-72.3
62	< 99	< 99	< 99	< 99
63	< 99	< 99	< 99	< 99
64	-92.0	-91.0	-94.4	-80.6
65	< 99	< 99	< 99	< 99
66	< 99	< 99	< 99	< 99
67	< 99	< 99	< 99	< 99

Exhibit 3

Annual Status Report

In accordance with the special conditions of its original grant, Flarion is hereby requesting that the Commission substitute the instant application in lieu of a separate annual status report regarding the progress of Flarion's experimental equipment use.