

Exhibit 1**Objectives Sought To Be Accomplished**

Flarion Technologies, Inc. ("Flarion") herein seeks new permanent experimental authority in order to perform testing of a prototype broadband wireless communications system based on Flarion's flash-OFDM technology. Flarion was granted an experimental license (0059-EX-PL-2000; subsequently modified as 0011-EX-ML-2003), effective September 25, 2000, for preliminary testing of the technology in various 700 MHz, 1.9 GHz, 2.1 GHz, and 2.3 GHz bands. Flarion later applied for and was granted an experimental STA to permit it to test the same technology in the 450 MHz band (0291-EX-ST-2005; renewed under 0659-EX-ST-2005).

Flarion is prepared to enter another phase of its testing of the flash-OFDM technology. The instant request seeks authority to operate on all the frequencies, except the 2.3 GHz band, identified in its original permanent application as well as to add the 450 MHz frequencies from its experimental STA on a permanent basis, so as not to burden the staff with additional application requests for extension of that STA. Flarion has successfully operated its prototype in a two-part configuration that includes a base station and mobile stations. Flarion's proposed operations are similar in nature to those for which it was initially authorized, encapsulating again a two-part configuration with multi-basestation system tests. Flarion anticipates that this phase of its experimentation and testing will take 48 months to complete.

The overall objective of the system tests 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 its prototype basestation and mobile units and now requires more rigorous field testing of the devices under varied real conditions.

Flarion's operations are proposed for two locations. Specifically, testing on all of the bands identified below will be performed in the area of and surrounding its headquarters and labs in Bedminster, NJ. Additional testing will take place in New York City – however, only in the 700 MHz band – in order to determine performance in that band in a very urban environment. Previous testing in this regard, using two locations that manifest very different landscapes and other physical features, has proven very beneficial. Flarion maintains that it can better tune the performance of its devices before bringing them to market by testing in these contrasting environments.

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 and around the Bedminster labs using the following bands:

- 454-455 MHz, 464-465 MHz; with a transmitted channel bandwidth of up to 1.25 MHz for both the forward link and reverse link using a Frequency Division Duplex (FDD) channel structure.
- 698 MHz–792 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.

- 1890–1910 MHz, 1970–1990 MHz, 2155–2165 MHz; with a transmitted channel bandwidth of up to 1.27 MHz for both the forward link and reverse link using a Frequency Division Duplex (FDD) channel structure.

The system test will operate additionally in New York City using the following band:

- 698 MHz–792 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 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 intends to operate its basestations in the Bedminster N.J. area, in a 19 km radius around the centerpoint that corresponds to its headquarters and labs. This area includes the surrounding area of North Plainfield, New Jersey. It is anticipated that the maximum basestation EIRP will be limited to 47 dBm. The number of mobile stations will be 50 or less.

Likewise, Flarion intends to operate a separate basestation in the New York City area and seeks to employ various mobiles in a similar configuration as described above.

As required for certain frequencies, Flarion will coordinate use of bands with incumbent operators prior to operation. As to the use of 700 MHz frequencies, an interference analysis has already been performed and demonstrates that no harmful interference will result to existing TV operators who presently operate in the proposed band of operation. Furthermore, this application has been forwarded for prior coordination to the Mid-Atlantic Area Frequency Coordinator (AFC), in Patuxent River, MD.

In the case of all operations, a spectrum analyzer is used to qualify the current active frequencies prior to testing on any of channels.