

Exhibit 1
Attached to FCC Form 442
Response to Question 4, and 13

Authorization under Part 5 of the Commission's Rules is sought to test equipment transmitting and receiving radio frequency energy in the following bands, for the purposes explained in Attached Exhibit 2, in and around company owned buildings and laboratories, with no customer involvement or revenue generation.

Various emission types and multiple access methods will be tested and evaluated in the planned experiments. The level of transmission in all cases shall be within the FCC set limits and all transmission will be under supervision of qualified radio engineers who have previously conducted and supervised measurements submitted to FCC in conjunction with numerous requests for equipment authorization. The engineers also include individuals who have been actively involved in the operation of transmitting facilities and radio frequency devices under FCC experimental authorizations, and whose experiments have been the subject of field reports. All experiments will be coordinated with the FCC District Engineer to insure compliance with rules, and non-interference with any existing operations in Saint Louis area.

1. A) 46.610-49.7 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Voice as per FCC Part 15 Rules and Requirements.
 F) To Be Determined.
 G) To Be Determined.
2. A) 851-869 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Voice and data as per FCC Part 90 Rules and Requirements.
 F) To Be Determined.
 G) To Be Determined.
3. A) 902-928 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Voice and data as per FCC Part 15 Rules and Requirements.
 F) To Be Determined.
 G) To Be Determined.
4. A) 930-931 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined as per FCC Part 22 Rules and Requirements.
 E) To Be Determined.
 F) To Be Determined.
 G) To Be Determined.
5. A) 940-952 MHz
 B) To Be Determined.

- C) To Be Determined.
 - D) To Be Determined.
 - E) To Be Determined as per FCC Part 22 Rules and Requirements.
 - F) To Be Determined.
 - G) To Be Determined.
6. A) 1850-1990 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Digitized voice and data are to be transmitted, with transmission rates per user up to 100 kbps. For a TDMA approach, the total transmission rate per carrier may be as high as 2 Mbps. The exact values of necessary bandwidth are To Be Determined, and will be verified by measurement as part of the experimental effort.
 F) To Be Determined.
 G) To Be Determined.
7. A) 2110-2130 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) To Be Determined.
 F) To Be Determined.
 G) To Be Determined.
8. A) 2130-2150 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Digitized voice and data are to be transmitted, with transmission rates per user up to 100 kbps. For a TDMA approach, the total transmission rate per carrier may be as high as 2 Mbps. The exact values of necessary bandwidth are To Be Determined, and will be verified by measurement as part of the experimental effort.
 F) To Be Determined.
 G) To Be Determined.
9. A) 2160-2180 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) To Be Determined.
 F) To Be Determined.
 G) To Be Determined.
10. A) 2180-2200 MHz
 B) To Be Determined.
 C) To Be Determined.
 D) To Be Determined.
 E) Digitized voice and data are to be transmitted, with transmission rates per user up to 100 kbps. For a TDMA approach, the total transmission rate per carrier may be as high as 2 Mbps. The exact values of necessary bandwidth are To Be Determined, and will be verified by measurement as part of the experimental effort.
 F) To Be Determined.

G) To Be Determined.

11. A) 2400-2483.5 MHz
B) To Be Determined.
C) To Be Determined.
D) To Be Determined.
E) Voice and data as per FCC Part 15 Rules and Requirements.
F) To Be Determined.
G) To Be Determined.
12. A) 5725-5850 MHz
B) To Be Determined.
C) To Be Determined.
D) To Be Determined.
E) Voice and data as per FCC Part 15 Rules and Requirements.
F) To Be Determined.
G) To Be Determined.

Exhibit 2
Attached to FCC Form 442
Response to Question 4, 10, 13

Applicant, Southwestern Bell Technology Resources, Inc. (SBTR), is a corporation organized under the laws of Delaware. SBTR is a wholly owned and operated subsidiary of Southwestern Bell Corporation (SBC), a regional Holding Company created as a result of the 1982 AT&T divestiture decree. SBC's subsidiaries include a telephone company serving a five state area (Texas, Missouri, Oklahoma, Kansas, and Arkansas) a cellular company, a paging company, and various other companies with substantial experience in the provision of telecommunications products and services.

SBTR has the financial resources and technical expertise to conduct the proposed experiments. The tests to be performed under the requested authorization will be under the direct supervision of radio engineers, qualified to supervise and conduct tests, and who have previously conducted and supervised measurements submitted to FCC in conjunction with numerous requests for equipment authorization. The engineers also include individuals who have been actively involved in the operation of transmitting facilities and radio frequency devices under FCC experimental authorizations, and whose experiments have been the subject of field reports.

SBTR is applying for experimental authority under Part 5 of the Commission's Rules to study and demonstrate the feasibility and validate the performance of new technologies, products, and services in land mobile radio communications. In particular, radio telephones for use in and around residential units and business environment (offices, factories, medical centers, university campuses, transportation terminals, convention centers, shopping malls, etc.) will be tested and evaluated.

The proposed experiments will be conducted in laboratory environments and on Company owned premises, without any customer involvements. A wide range of technical alternatives, including modulation, coding, and multiple access methods, will be tested for developing new lines of business serving public interest. Prototype equipment from various vendors will be tested in laboratory environment (including a mobile measurement unit) to evaluate their performance and technical capability in satisfying our customers needs.

The experimental license will also enable the Southwestern Bell Corporation to conduct tests, in the frequency bands that it is licensed to operate in other locations in North America, by and through its laboratory facilities located in Saint Louis County, Missouri.