

EXHIBIT I

1. SUMMARY OF PROPOSED EXPERIMENTATION

Galaxy Personal Communications Services ("Galaxy") provides consulting services to equipment manufacturers and potential and actual personal communications services ("PCS") licensees. The proposed experimental authority described below will enable Galaxy to assist manufacturers and companies successful in acquiring licenses in the design of PCS systems. Galaxy's proposed experiments will be coordinated with various PCS vendors and service providers and will be designed to evaluate PCS technologies and equipment and measure various propagation characteristics.

Pursuant to its current experimental radio service license (Call Sign KA2XIB), Galaxy has performed a series of field tests on an MTA-wide basis at selected locations. The modifications sought by this application will accommodate new equipment and expand testing at additional MTAs at the locations described in Exhibit II. These tests will require a minimum of three fixed base stations and a number of low power vehicle-mounted or hand-held transceivers. The equipment will be operated at the sites specified in the instant application. In addition, continuous wave ("CW") transmitters will be installed at fixed sites on a temporary basis, allowing RF transmission over an area of less than 15 miles in radius.

Joint testing will be conducted with equipment manufacturers and operators to evaluate interoperability issues. Galaxy also anticipates including other experimental licensees operating in the same locations in order to evaluate interoperability of various equipment. Galaxy's experimentation will focus on both Code Division Multiple Access ("CDMA") and Time Division Multiple Access ("TDMA") technologies.

2. PARTICULARS OF OPERATION (ITEM NOS. 3 AND 4)

Galaxy plans to test various equipment to determine propagation loss using a narrowband single tone signal, wideband propagation characteristics using a direct sequence spread spectrum signal, and complete TDMA and CDMA PCS hardware performance investigations. Specific frequencies in the band specified (1850-1910 and 1930-1990 MHz) will be selected based on availability at the equipment site.

CW signals will be used in narrowband tests to evaluate propagation properties based upon penetration losses due to vegetation, buildings, and vehicles. Wideband experiments will utilize a pseudorandom noise ("PN") spread spectrum carrier and a correlation receiver to measure multipath delay spread. The chip rate of the PN spreading sequence and the transmit filter are chosen so that the resulting bandwidth is less than 30 MHz. The average transmit power density over the band will be less than 0.17 Watts/Hz.

System trials will be conducted with equipment type-accepted for use and will utilize digital equipment based on CDMA and TDMA technologies. As noted, trials will be conducted jointly with the manufacturers of the various systems being tested and operators who might potentially purchase them from these manufacturers.

In addition to the expansion of testing areas, Galaxy proposes to modify the particulars of operation with respect to CW emissions. Specifically, for CW signals in all testing areas, the subject application seeks to increase the maximum RF output power from 10 W to 20 W, increase the maximum effective radiated power from 100 W to 300 W, and increase the necessary bandwidth from 10 kHz max to 30 kHz max. These modifications will permit the accommodation of new equipment requiring increased power and bandwidth.

3. FREQUENCY COORDINATION

Galaxy's proposed experiments will be conducted in full coordination with authorized users in the area to prevent any harmful interference. Galaxy will discontinue experimental activity whenever such activity causes harmful interference to primary users. Where appropriate, experimental transmissions will only be initiated with full concurrence from the primary users of the spectrum. Representatives of authorized users will be provided with the telephone numbers of Galaxy personnel who will respond immediately should problems arise.

4. TRANSMITTING EQUIPMENT TO BE INSTALLED (ITEM NO. 13)

In joint experiments with equipment manufacturers and operators, the equipment will be acquired by Galaxy, modified and installed by Galaxy engineers, and fully supported in all operational and technical aspects by Galaxy's technical staff. As noted, Galaxy may utilize both TDMA and CDMA equipment in order to obtain comparison performance data. Such comparison tests will also provide important data for manufacturers in the development and enhancement of PCS technology.

Galaxy also seeks authority to engage in limited experimental user studies on a temporary basis. These studies would be performed in full cooperation with the successful auction winners in the respective MTA (Major Trading Area) or BTA (Basic Trading Area) under analysis. These studies will be used to determine consumer preferences regarding transmission quality, ease of access, etc. Users participating in such studies will not be charged a fee.

5. PURPOSE OF RESEARCH AND EXPERIMENTATION

The initial stage of experimentation will be used to correlate studies of RF loss, delay spread and signal penetration and engineering calculations in order to improve models used in cell site design, thereby reducing the potential for undesired interference.

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The next stage of the proposed trial will consist of installation of simulated base stations utilizing the aforementioned CW test transmitters capable of TDMA technologies such as GSM, IS136 and direct sequence CDMA. The purpose of this experiment will be to determine actual system coverage, test RF aspects of specific PCS system technology, evaluate collocation with existing cellular equipment where applicable and investigate coverage performance and antenna requirements. Data obtained will be shared with manufacturers for purposes of improving PCS equipment engineering and design.

6. PUBLIC INTEREST BENEFITS

Galaxy's proposed experimentation will serve the public interest in the following ways:

- Knowledge gained from these trials will facilitate an efficient and reliable wireless communications system for public use. Without these trials, and calibration of the propagation prediction models mentioned above, the chance of "nulls" or "holes" increases. Thus, it is in the public interest for Galaxy to conduct these trials to improve the quality of PCS system designs.
- Analysis of levels of existing microwave users in the areas where Galaxy will be conducting these trials will provide operators of incumbent microwave stations and PCS licensees with information as to which incumbents should be transitioned to new microwave bands.
- The proposed experimentation will assist manufacturers and operators in optimizing the development and design of PCS equipment, resulting in more efficient and timely deployment of PCS systems.
- Analysis of field results will aid operators in determining interference levels. The trials will also assist Galaxy in obtaining measurements for correlating indoor applications such as wireless PBX and local area networks.

7. COMPLIANCE WITH PART 17 OF THE COMMISSION'S RULES (ITEM NO. 15)

The experimentation proposed by Galaxy will comply with Part 17 of the Commission's rules. Galaxy will not erect any antenna which extends more than 6 meters above existing structures. Accordingly, Galaxy is exempt from notifying the FAA pursuant to § 17.14(b) of the Commission's rules.

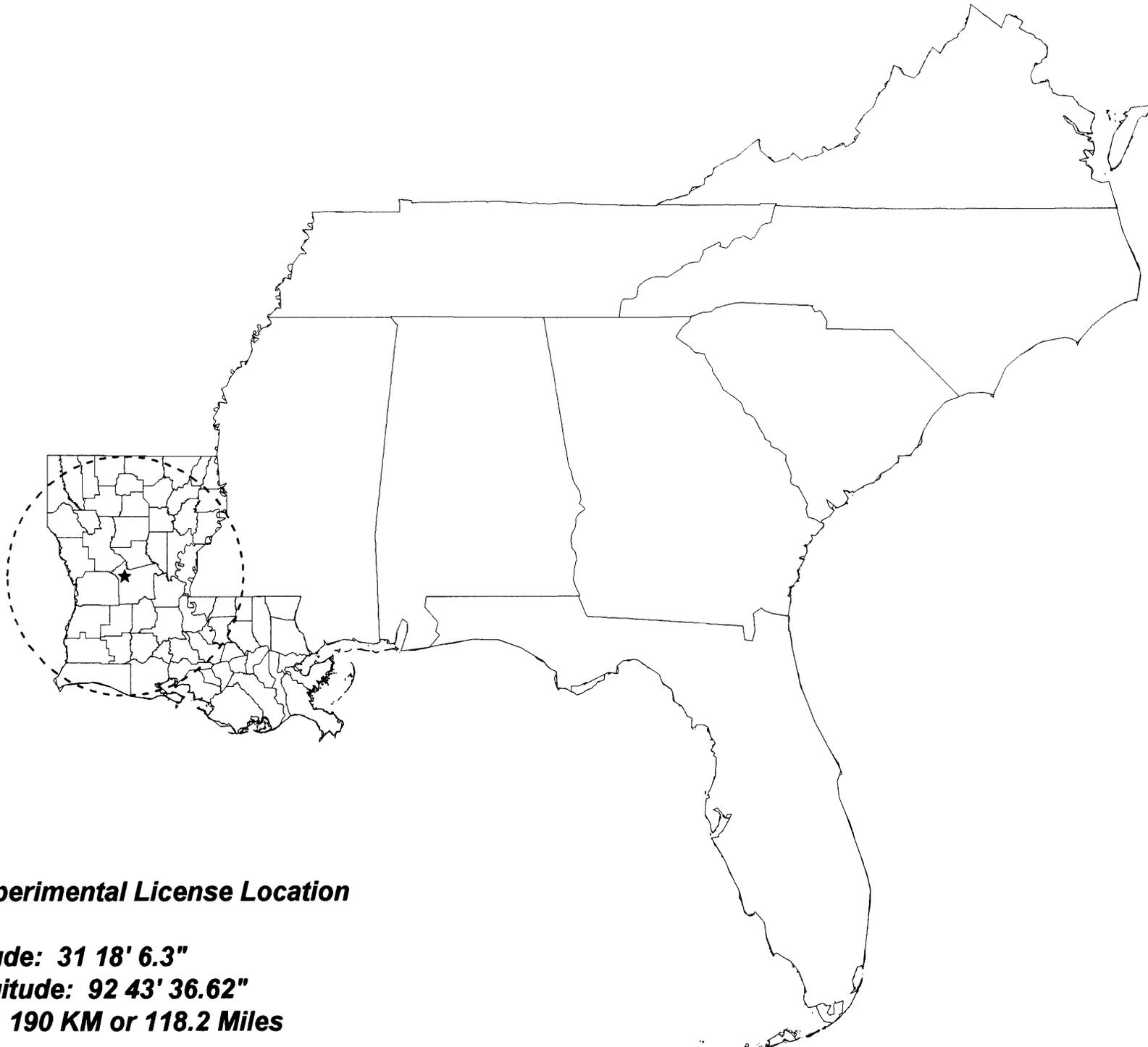
EXHIBIT II

PROPOSED LOCATIONS OF FIXED AND MOBILE TRANSMITTERS

As illustrated in the attached diagrams, Galaxy seeks experimental authority for the following sets of coordinates and corresponding radii:

Test Area	Latitude	Longitude	Radius (km)
Alexandria, LA	31-18-06.3	92-43-36.62	190
Brunswick, GA	31-01-39.36	81-35-23.68	160
Hattiesburg, MS	31-24-41.09	89-25-15.82	160
New Orleans, LA	29-27-53.75	89-48-22.32	160
Pensacola, FL	30-50-08.48	86-12-41.65	160

and nationwide by EUS/HC

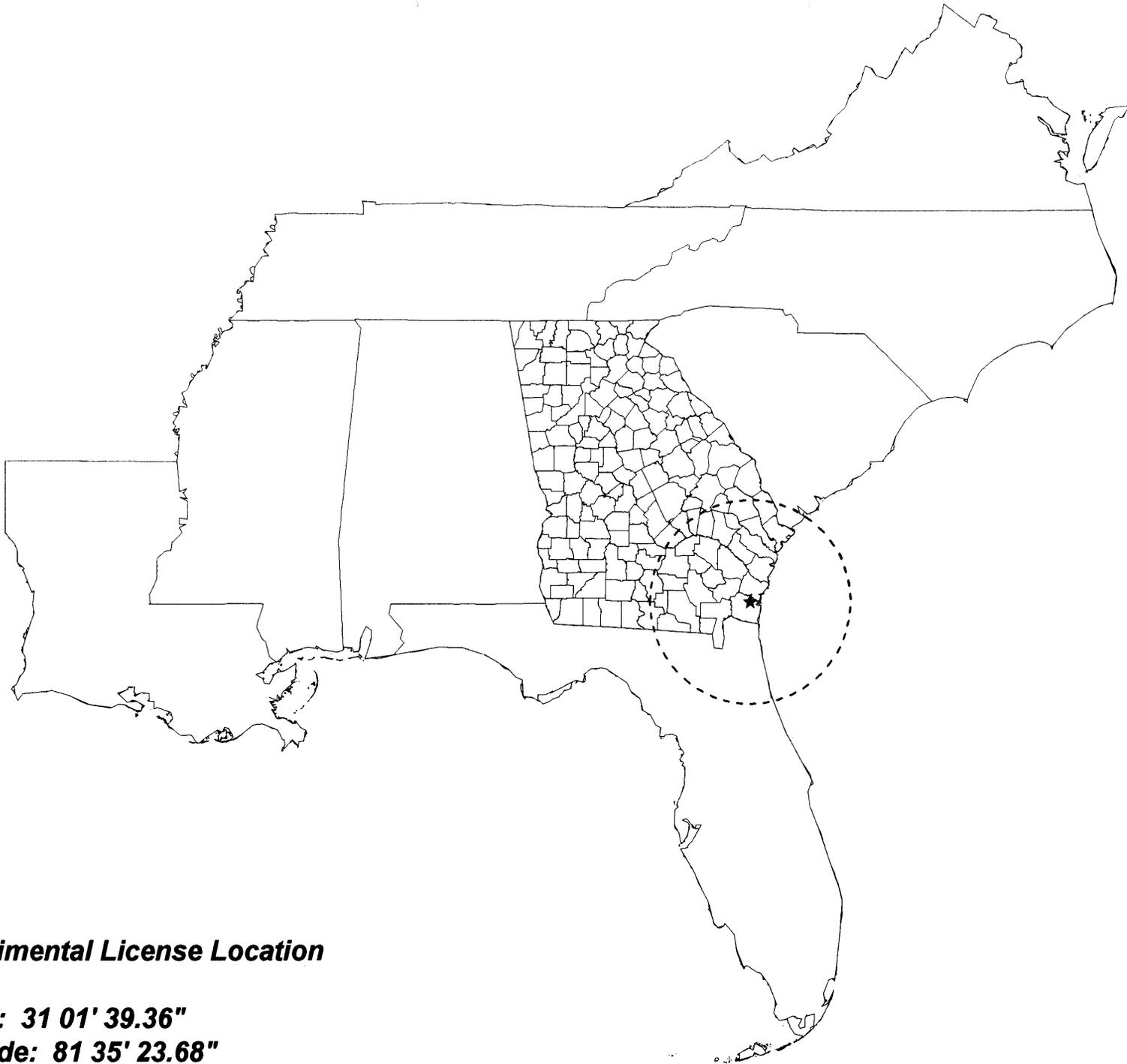


FCC Experimental License Location

N. Latitude: 31 18' 6.3"

W. Longitude: 92 43' 36.62"

Radius: 190 KM or 118.2 Miles

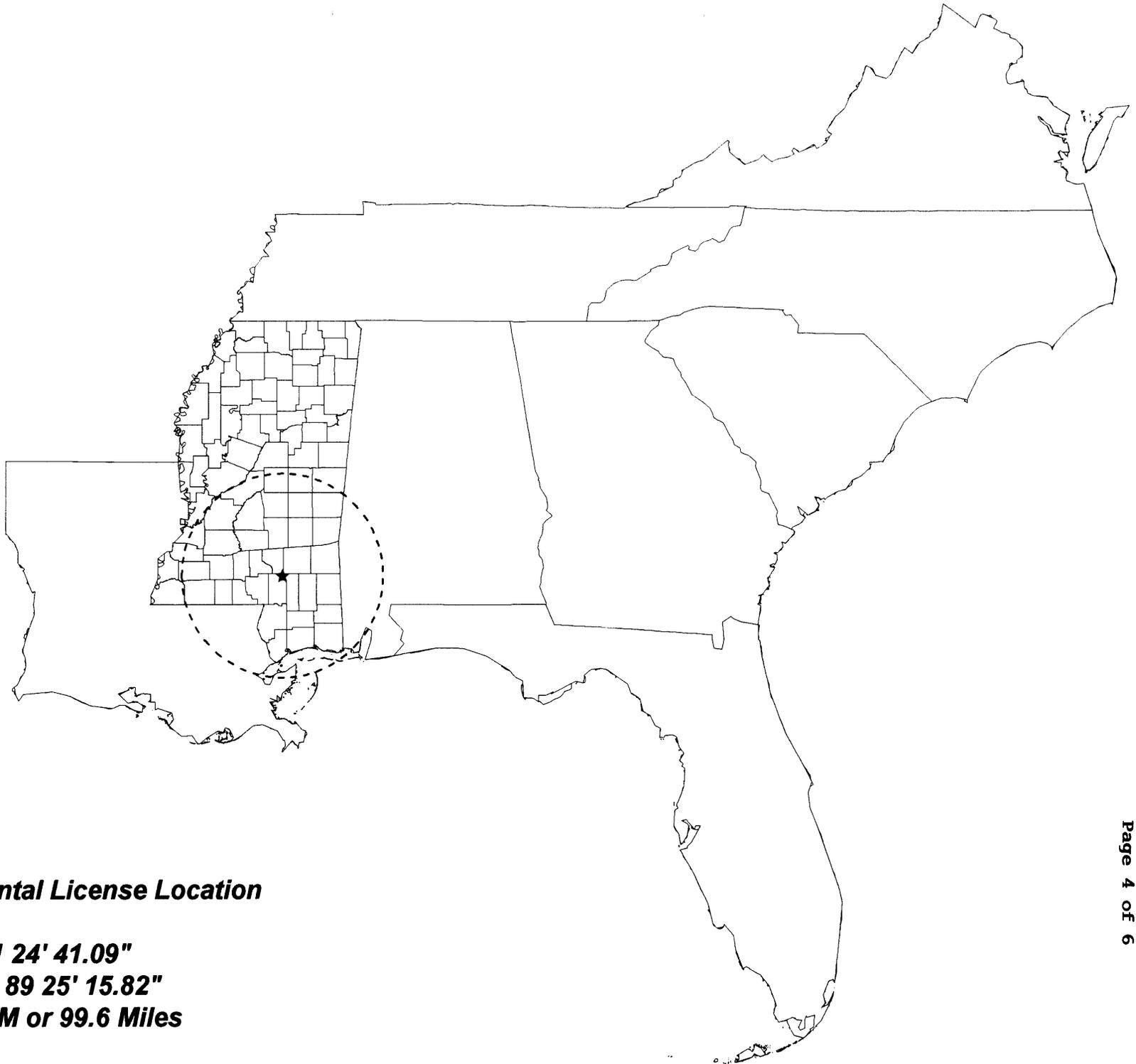


FCC Experimental License Location

N. Latitude: 31 01' 39.36"

W. Longitude: 81 35' 23.68"

Radius: 160 KM or 99.6 Miles

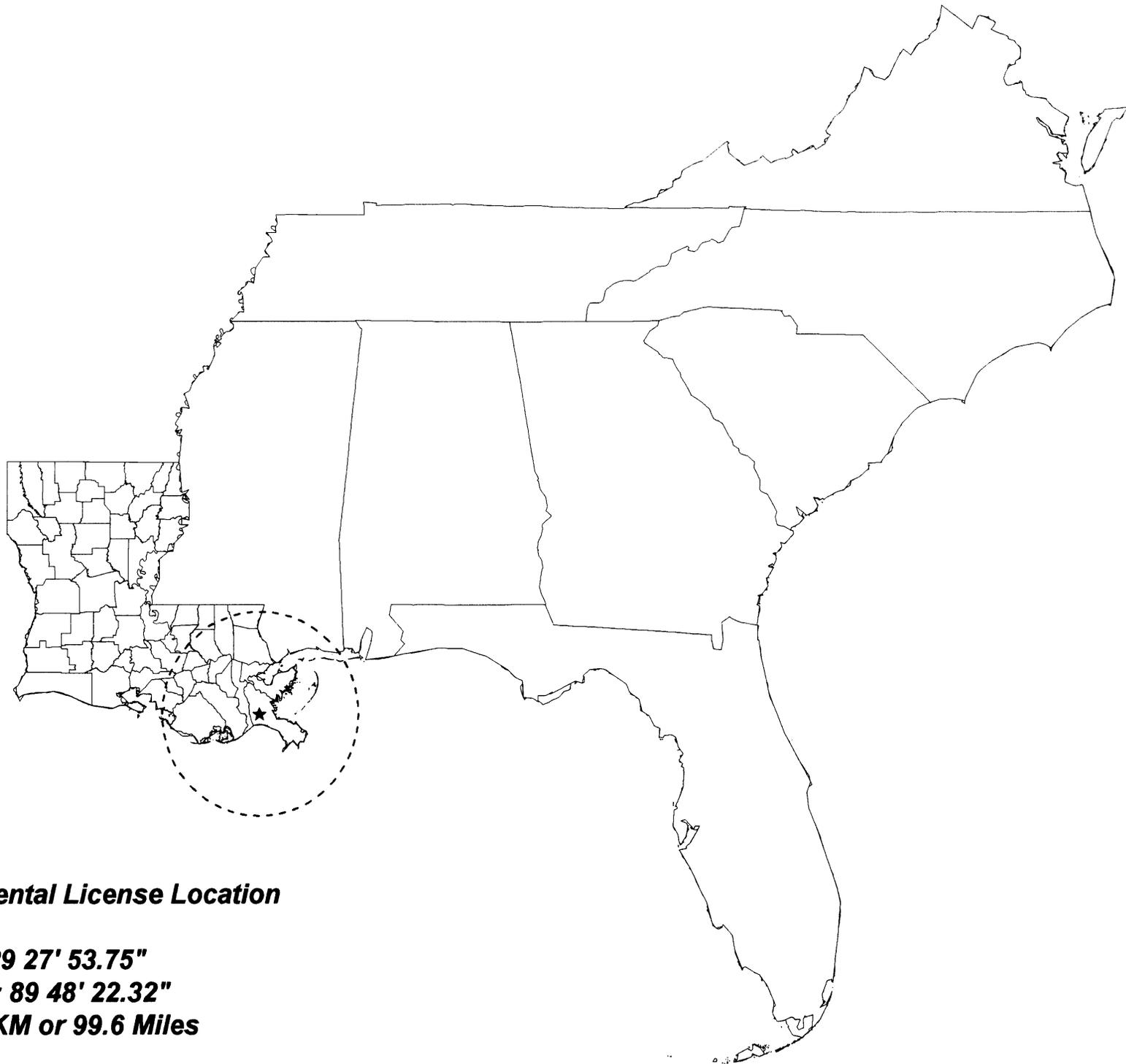


FCC Experimental License Location

N. Latitude: 31 24' 41.09"

W. Longitude: 89 25' 15.82"

Radius: 160 KM or 99.6 Miles

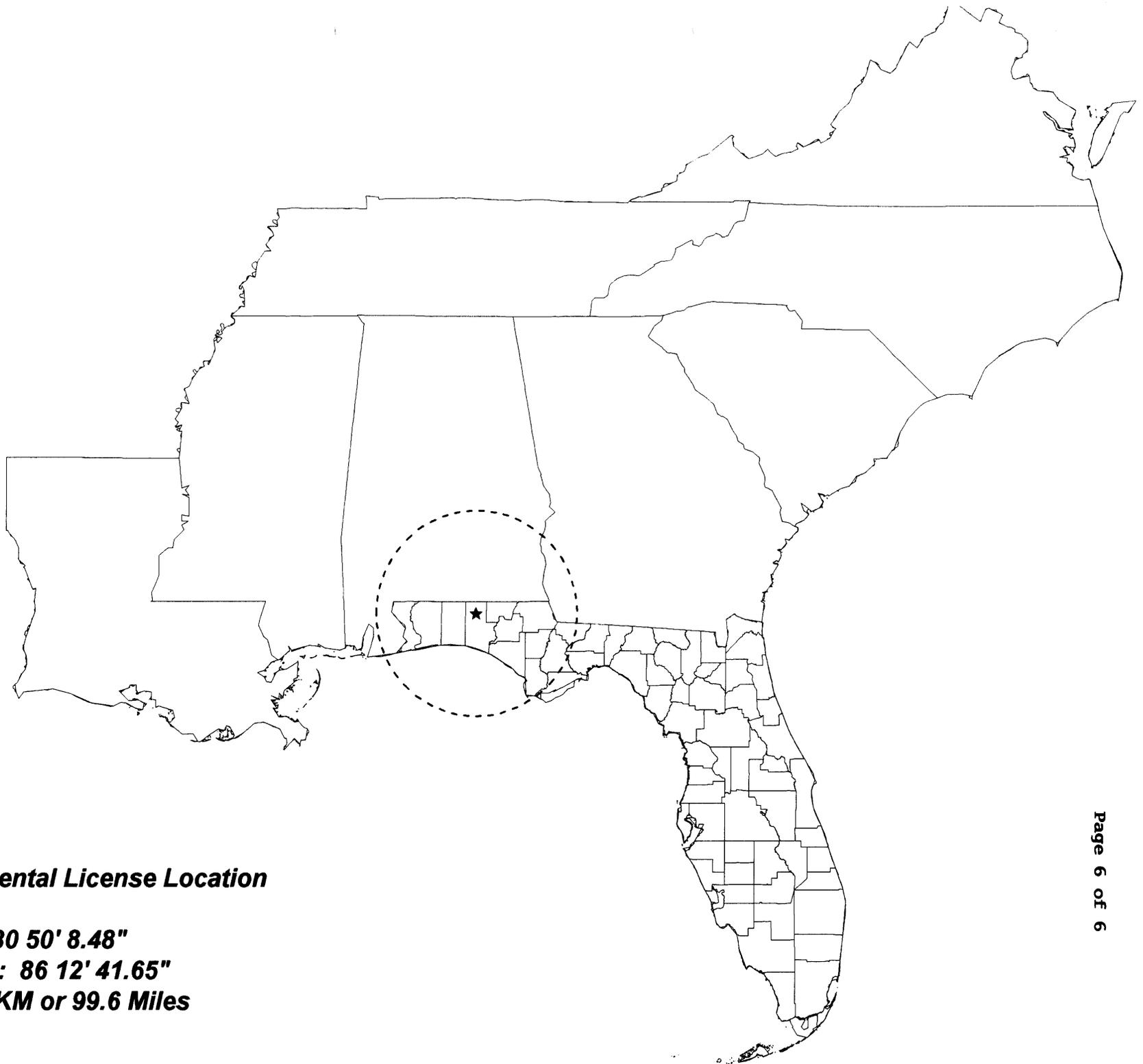


FCC Experimental License Location

N. Latitude: 29 27' 53.75"

W. Longitude: 89 48' 22.32"

Radius: 160 KM or 99.6 Miles



FCC Experimental License Location

N. Latitude: 30 50' 8.48"

W. Longitude: 86 12' 41.65"

Radius: 160 KM or 99.6 Miles