

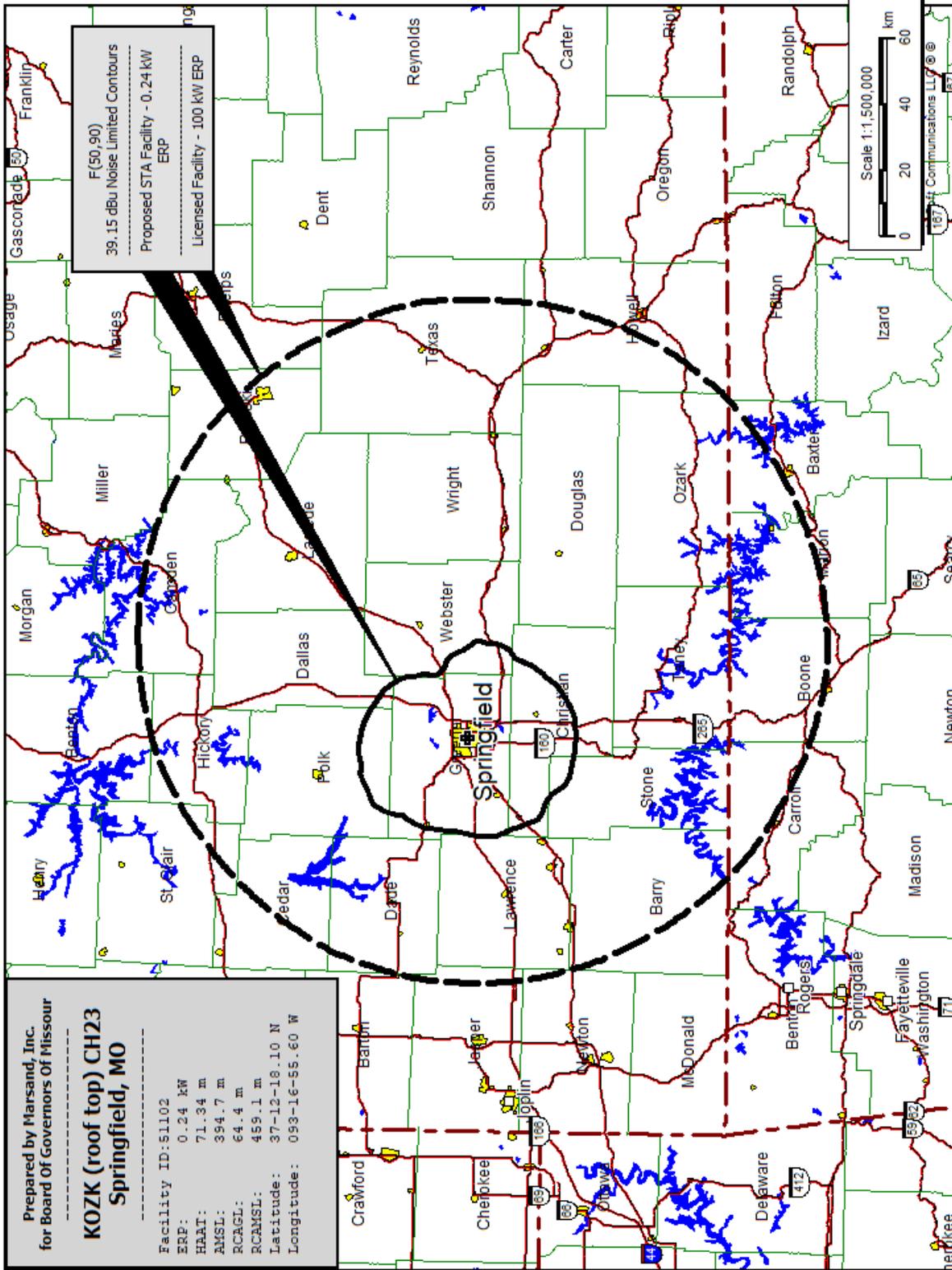
Station KOZK (Facility ID: 51102) STA Engineering Statement

Request for Temporary Transmission Facility

The station requests Special Temporary Authority to operate at a reduced power from the rooftop of a building located at the studio site on the campus of the Missouri State University. The technical details are as follows:

Digital Channel:	23
Effective Radiated Power (ERP):	0.24 kW
Radiation Center Above Ground Level (RCAGL):	64.4 m
Antenna:	Non-directional
Mask Filter:	Full Mask
Latitude (NAD83):	37-12-18.1 N
Longitude (NAD83):	93-16-55.6 W
Site Elevation Above Mean Sea Level (AMSL):	394.7 m

The predicted coverage area does not exceed that of the licensed service area (BLEDT-20030911AAS).



Prepared by Marsand, Inc.
for Board of Governors of Missouri

**KOZK (roof top) CH23
Springfield, MO**

Facility ID: S1102
ERP: 0.24 kW
HAAT: 71.34 m
AMSL: 394.7 m
RCAGL: 64.4 m
RCMSL: 459.1 m
Latitude: 37-12-18.10 N
Longitude: 093-16-55.60 W

F(50,90)
39.15 dBu Noise Limited Contours
Proposed STA Facility - 0.24 kW
ERP
Licensed Facility - 100 kW ERP
ERP



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The proposed facility complies in full with the requirements of 47 C.F.R. Section 1.1306 and will have no significant environmental impact. Access is restricted to the rooftop where the antenna is located. The proposed site does not involve any of the conditions specified in Section 1.1307(a)(1) - (6) of the Rules.

The KOZK facility has been studied in accordance with the procedures set forth in the FCC OET Bulletin No. 65 "Evaluating Compliance With FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", Edition 97-01, and has been found to comply with the limits set forth in Section 1.1310 of the Rules. This determination has been based upon calculations with the total radiated power from all TV & FM co-located broadcast emitters. The total exposure as defined by the ANSI standard computations for occupational/controlled area is **1.62 mW/cm²** or **0.00 %** of the maximum. The total exposure as defined by the ANSI standard computations for general population/uncontrolled area is **0.323 mW/cm²** or **0.01 %** of the maximum. The proposed facility complies with the Commission's guidelines.

The Board of Governors of Missouri State University (Applicant) agrees to maintain full compliance with the safety precautions to workers on the tower (controlled) and the general public (uncontrolled) by reducing or removing radiated power during the time of construction or maintenance on or near the antenna. The Applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from Radiofrequency Electromagnetic exposure in excess of FCC guidelines

The Applicant is believed to be in full compliance with the Environmental Impact and Commission Rules.

Restore Service to the Public

KOZK is the Public Broadcasting Service (PBS) affiliate for the Springfield, MO market. The proposed facility will provide a useable signal to the nearby cable head-ends, DirectTV, and Dish Network thus restoring PBS to an estimated 60% of the market.

Expected Duration

The station is evaluating establishing interim service at a nearby tower site located approximately 1 mile from the Fordland site. Manufacturers for the transmitter, transmission line and antenna have been contacted and are on standby to provide equipment once the site and tower are approved for use. A structural engineering study is required, and tower modifications may also be required. However, it is anticipated that an interim facility can be constructed within 30-60 days.