

## Engineering Exhibit

This engineering exhibit is in support of 5 applications for construction permits for auxiliary broadcast facilities of Clear Channel co-owned stations in the Charlotte, NC market.

Proposed is the use of a shared time facility. The one antenna, transmission line, and transmitter will serve as an auxiliary for all 5 stations. Only one station will be able to use the facility at a time. All stations with the exception of WEND will operate with effective radiated power (ERP) of 5,900 watts. To prevent contour extension WEND will use the facility at a power of 570 watts.

Presently each station holds a construction permit for essentially the same facilities as this proposal, differing in tower location from this proposal.

The construction permit file numbers are as follow:

WEND	BXPH-20010309AAF
WRFX-FM	BXPH-20010227AAE
WWMG	BXPH-20010227AAB
WKKT	BXPH-20010227AAD
WLYT	BXPH-20010227AAC

Applications for licenses to cover have been made for each of these construction permits. Upon grant of construction permits for the facilities requested by this group of applications, the licensee will surrender the above listed construction permits and if granted by that date, the licenses for those facilities.

Figures 1 – 5 depicts the licensed and proposed 60 dBu contours.

## **Radio Frequency Radiation Study and Statement**

The proposed broadcast facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed time-shared antenna system is a Jampro JBCP-4HR-RFR 4- bay, half-wave spaced antenna, mounted with its center of radiation 138 meters above ground level, and will operate with a maximum effective radiated power of 5.9 Kilowatts in both the horizontal and vertical planes. Assuming a very conservative 50% field at 90 degrees, at 2 meters, the height of an average person, at the base of the tower, this proposal will contribute worst case, 5.34 microwatts per square centimeter, or 0.53 percent of the allowable ANSI limit for controlled exposure, and 2.67 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that warning signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1  
WEND CONTOURS

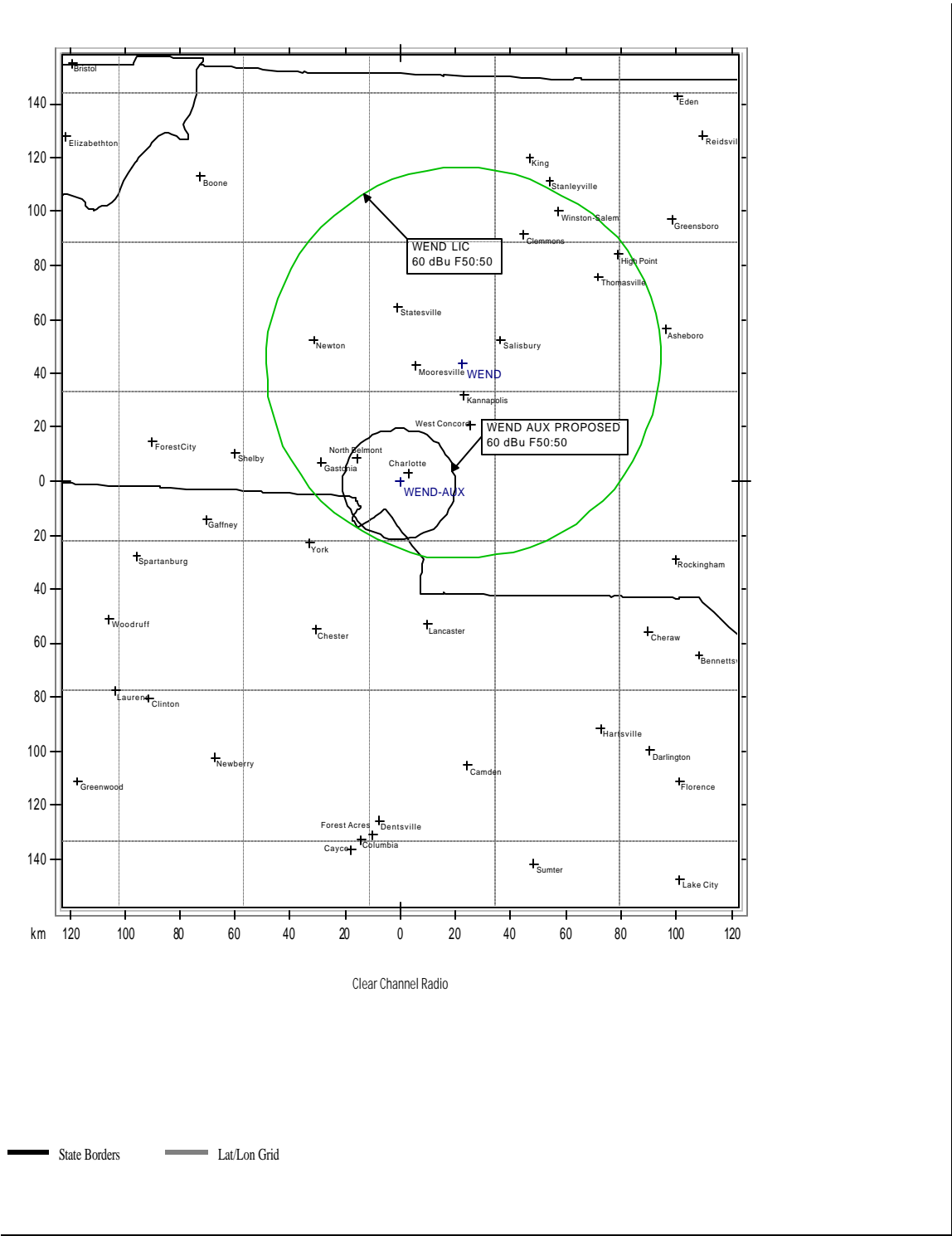


Figure 2  
WRFX CONTOURS

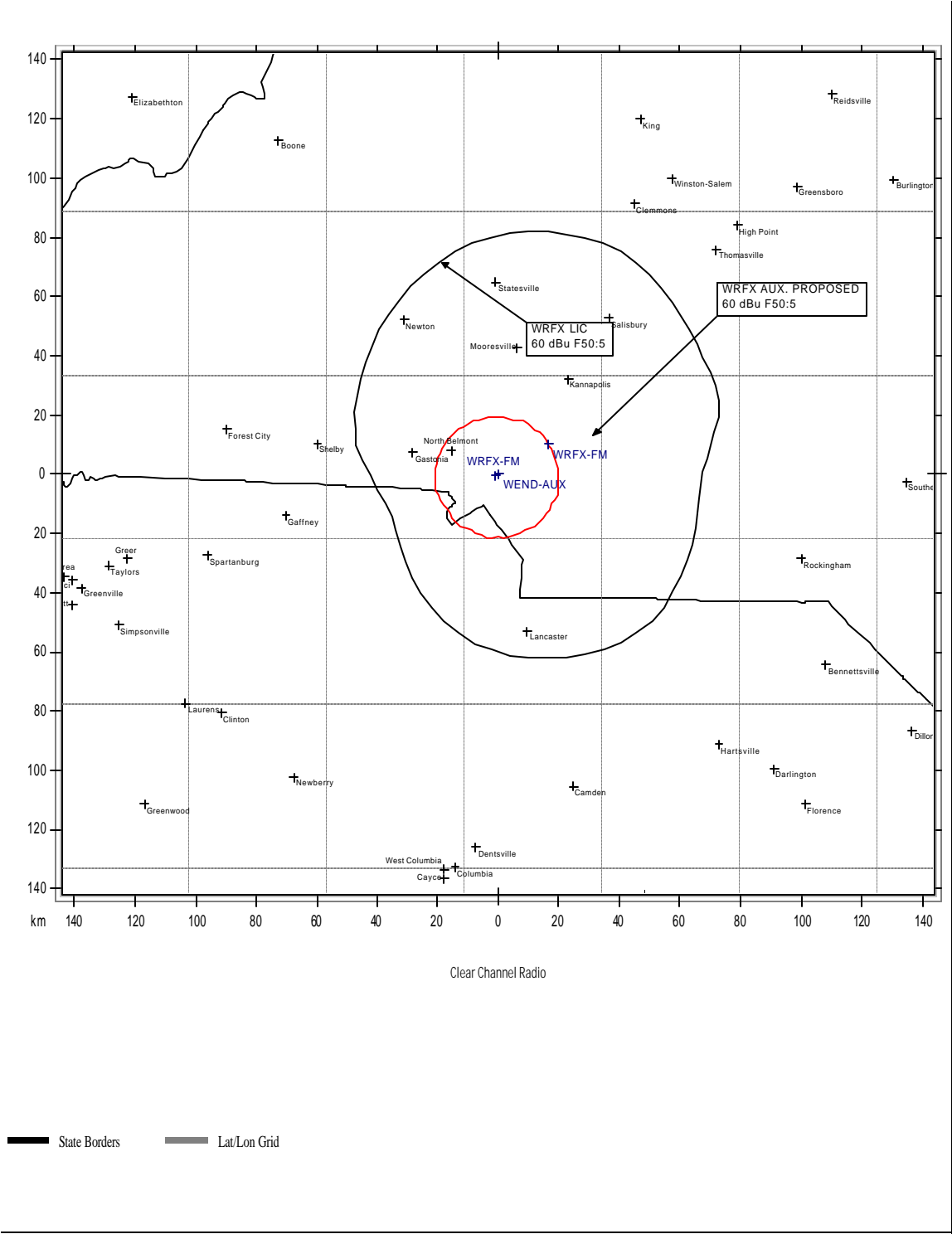


Figure 3  
WWMG CONTOURS

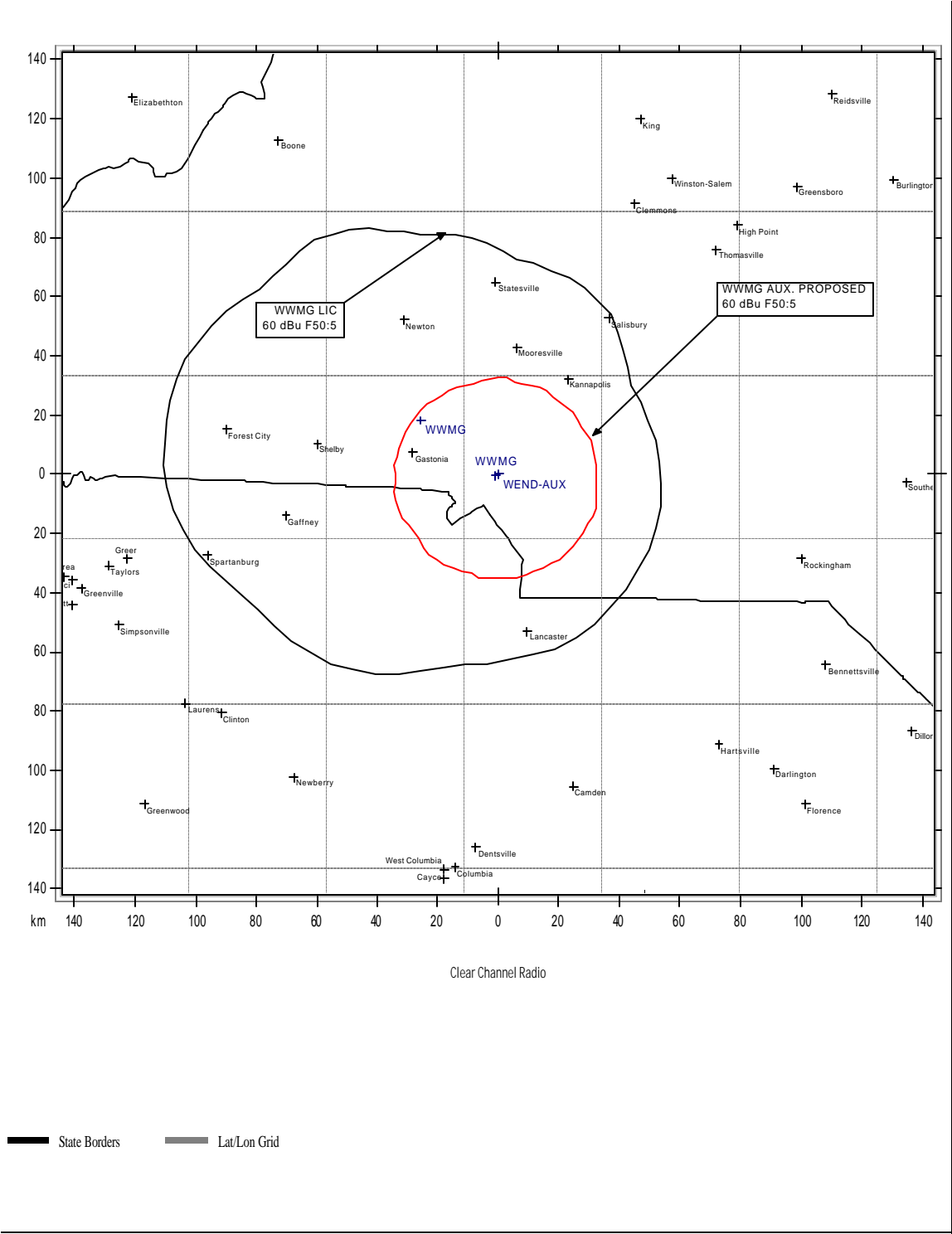


Figure 4  
WKKT CONTOURS

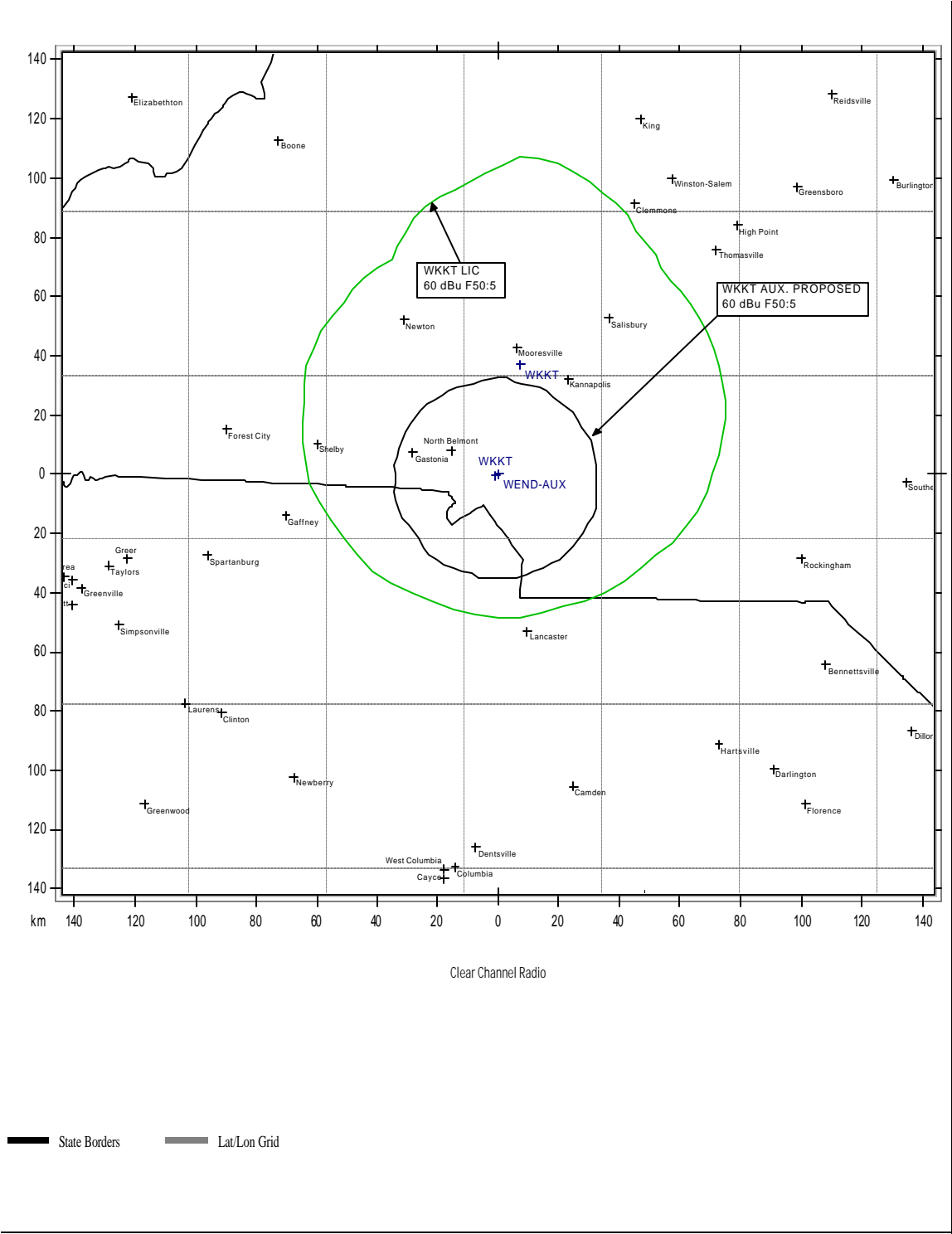


Figure 5  
WLYT CONTOURS

