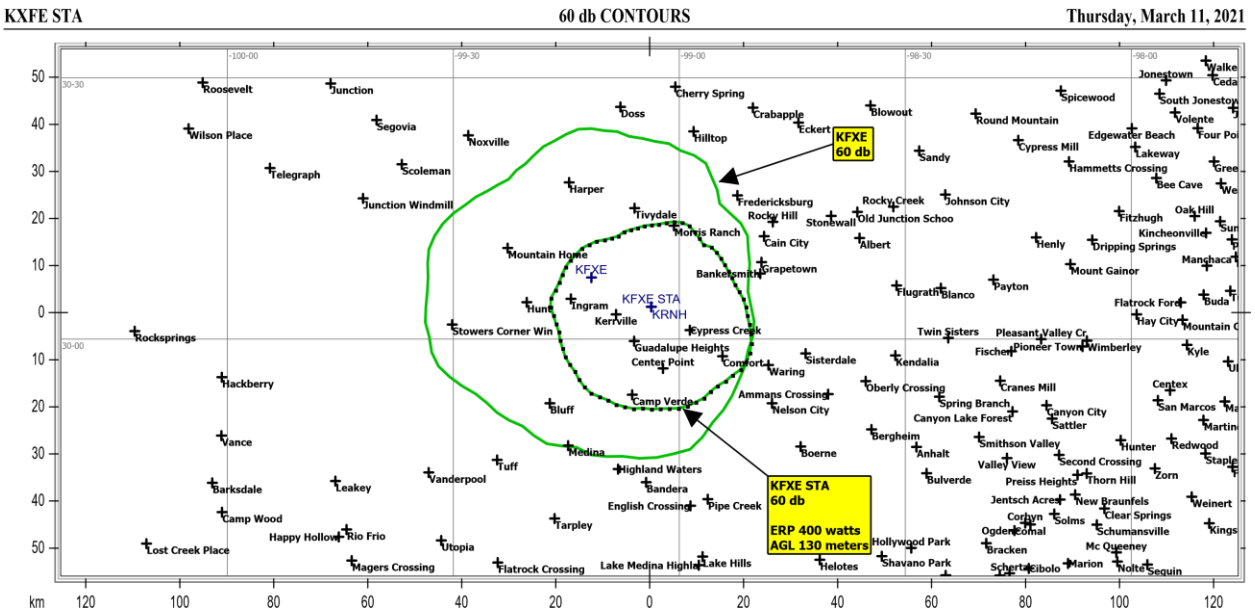
Radio Ranch, LLC KFXE (FM) Ingram, Texas (FID # 164252)

Request for continued Special Temporary Authorization

The tower that was supporting the KFXE (FM) antenna collapsed in the extreme Texas ice storm. In the public interest, KFXE seeks to remain on the air by continuing with Special Temporary Authority granted on March 22, 2021 (BSTA-20210318AAF). The station asks permission to continue operation from a nearby tower owned by the company and used by a sister station. Substantial progress has been made on the planning of a higher quality tower designed to withstand Texas ice storms. Engineering studies for the slightly different location and tower height have been reviewed by two technical consultants. Quotes for several different tower manufacturers have been solicited and received. Quotes for a new FM antenna and line have also been received. A new transmitter building will be required, which has also been quoted. The clearing of debris from the fallen tower has begun. KFXE continues the negotiations with the insurance company and has adjusted to the COVID slowdown, which has impacted this effort in subtle, but meaningful ways. KFXE is eager to have the operation return to full power as soon as possible.

KFXE is licensed for operation on channel 243 C3 with 8400 watts and an antenna 131 meters above average terrain. The proposed site is 14.2 kilometers from the licensed site and bears Antenna Structure Registration number 1254871. Operation is proposed at 400 watts horizontal and vertical using a four bay Telecom TCF-1K antenna centered at 130 meters above ground. This power and height will not extend the 60 dbu contour beyond that of the licensed operation. No alterations of the antenna support structure (except for addition of the proposed STA antenna elements) or lighting system will be made as a result of this proposal.



KRNH, and the proposed KFXE STA will use separate antennas. Each antenna is located at a different level from each other. Based on the frequency separations, vertical aperture separations, and the relatively low power of the stations involved no out of band emissions are expected. The applicant will verify that the STA meets the rules.

The maximum ERP proposed is 400 Watts horizontal and vertical. This proposed STA is less than 5% of the maximum of the general population level and excludes it from further study as a non-contributor. The area around the tower is fenced, signs are posted, and a plan is in place for all users at the site to comply with RFR requirements. Site users will be notified of the start of the proposed STA if granted, and continue to observe the RFR plan.