
Introduction and Description of Proposal

This engineering exhibit was prepared in support of a minor modification application being filed by Broadcast Industry Group, LLC for authority to increase the ERP to 250 watts and change the transmitter location and output channel at K255AX (FCC Facility ID 150984), White Hall, Arkansas. It is proposed to relocate to the co-owned center tower of the KJJI antenna system at 55 meters above ground using a three bay full-wave spaced antenna and change to channel 296 to mitigate potential interference issues per §74.1233(a)(1)(i)(A)(2) with a relatively new class-A station in the market, KPBA, 257A, Pine Bluff, Arkansas, FCC Facility ID 190417. The currently licensed K255AX tower has become unavailable and it is not possible to operate on channel 255 at available sites including the proposed site without causing prohibited contour overlap with KPBA in populated areas and continue to serve at least some of the current 60 dBu contour with the new 60 dBu contour. Changing to channel 296 at the KJJI site as proposed eliminates the potential interference area and allows the station to increase power to the maximum 250 watts ERP.

Fill-in Translator Eligibility

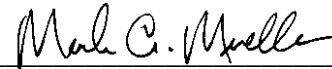
The primary station, KJJI, White Hall, Arkansas, (FCC Facility ID 161393) is a class-B AM station which currently associated with the subject translator. The proposed 60 dBu contour is contained completely within the KJJI 2 mVm daytime contour.

Environmental Statement

The proposed facility requires no construction other than mounting the associated antenna and transmission line on an existing tower. The worst-case power density at 3 meters above ground is $3.49 \mu\text{W}/\text{cm}^2$, far below the uncontrolled space limit of $200 \mu\text{W}/\text{cm}^2$. The station will cease operation when personnel must be near the antenna for longer than allowed. The tower is secured behind a fence and warning signs are posted.

This engineering exhibit was prepared by me and is true and correct to the best of my knowledge and belief.

August 28, 2019



Mark A. Mueller