

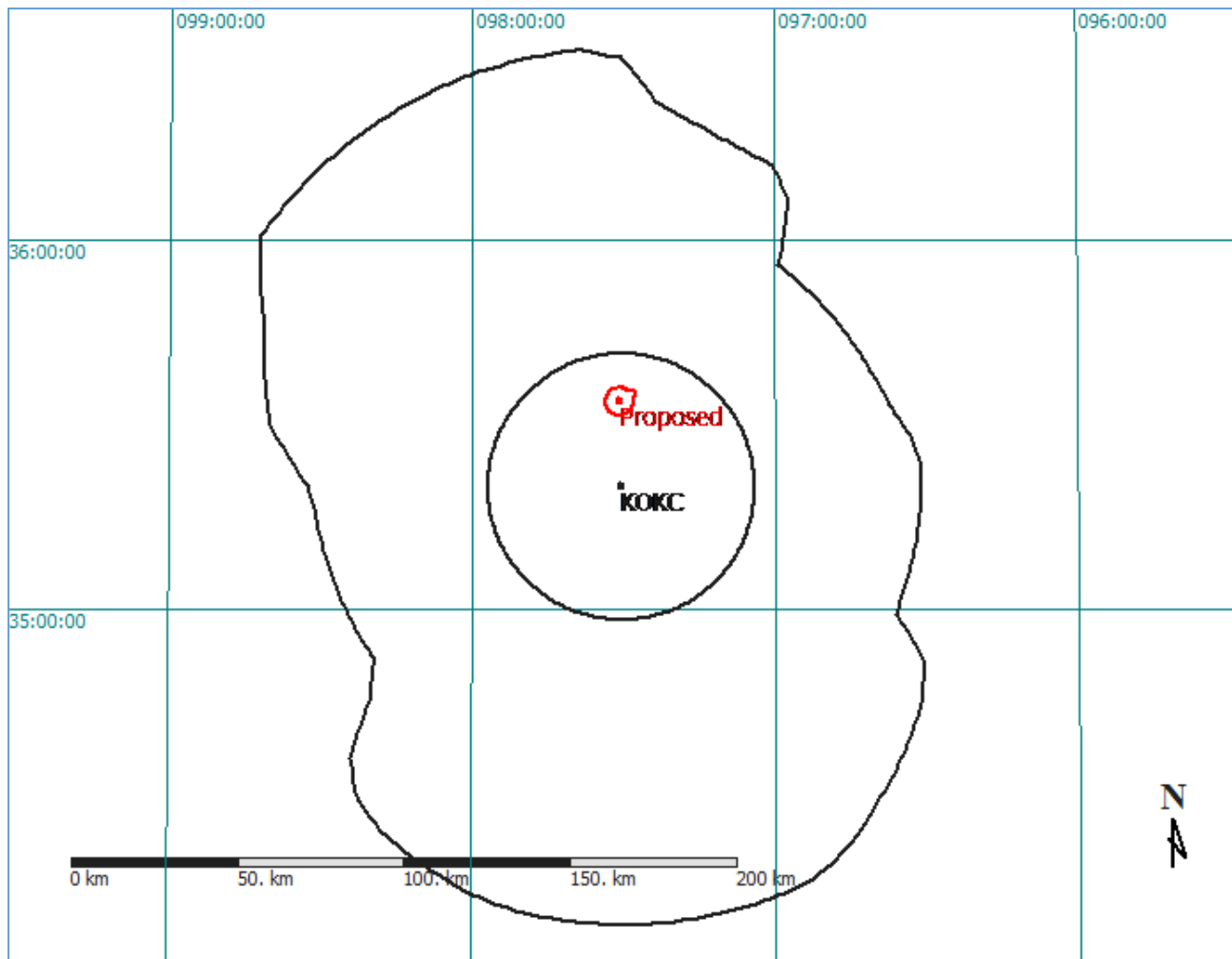
Exhibits
in support of a
Minor Modification
to
FM Translator
K237GE

January 13, 2017

AM FILL-IN ANALYSIS

The Applicant proposes to utilize KOKC, Oklahoma City (FID #73981) as the primary station for the FM translator proposed in the instant application.

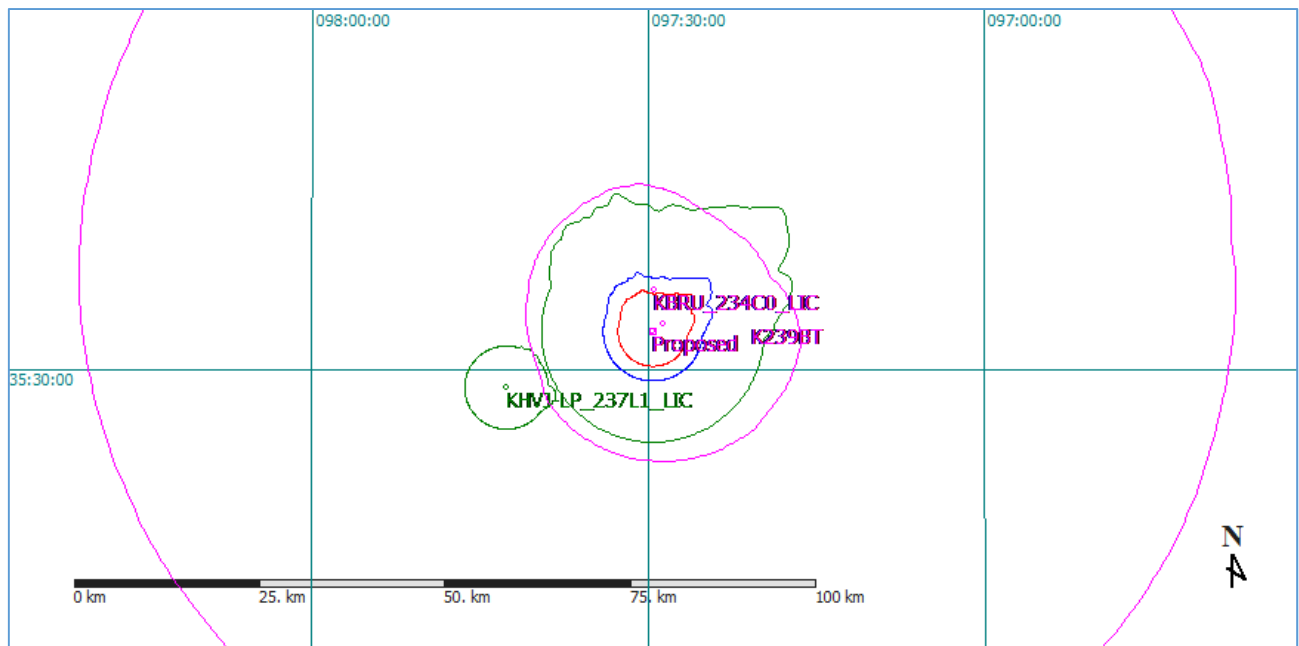
The following study demonstrates that the 60 dBu contour of the proposed FM translator is contained entirely within both the 2 mV/m daytime contour of KOKC, and a 25-mile radius centered at the transmitter site of KOKC.



INTERFERENCE AND OVERLAP REQUIREMENTS

The proposed facility will not create prohibited overlap to any other licensed facility or pending application other to KBRU and K239BT (“Protected Stations”). As more fully discussed below, processing pursuant to 47 C.F.R. § 74.1204(d) is appropriate here.

The study below illustrates that the proposed facility will not create prohibited overlap to any other licensed facility or pending application other than to the Protected Stations.



The green contours represent co-channel interfering (40 dBu) to co-channel protected (60 dBu) contours. Blue contours represent first-adjacent channel interfering (54 dBu) to first-adjacent protected (60 dBu) contours. Magenta contours represent second and third-adjacent channel interfering (100 dBu) to second and third-adjacent protected (60 dBu) contours. Red contours represent co-channel protected (60 dBu) to co-channel interfering (40 dBu) contours.

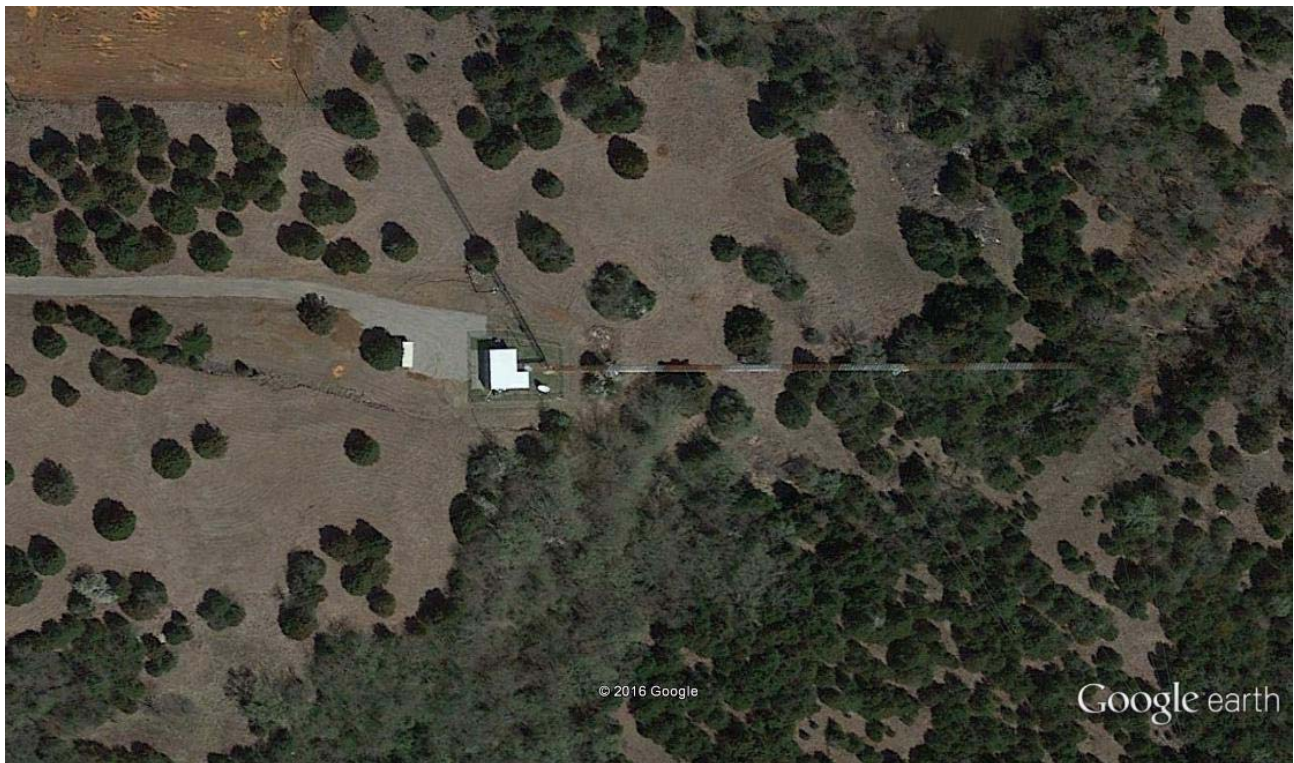
KBRU is authorized to broadcast with 94.9 kilowatts at 372 meters HAAT from a site that is 5.58 kilometers from the proposed translator site. The predicted strength of KBRU at the proposed translator site is 109.18 dBu. Therefore, 149.18 dBu is the lowest value predicted to cause interference to KBRU.

K239BT is authorized to broadcast with 250 watts at 211 meters HAAT from a site that is 1.83 kilometers from the proposed translator site. The predicted strength of K239BT at the proposed translator site is 94.5 dBu. Therefore, 134.5 dBu is the lowest value predicted to cause interference to K239BT.

Consequently, 134.5 dBu is the lowest value predicted to cause interference to either of the Protected Stations.

The facility proposed herein will operate with an effective radiated power of 10 watts and utilize a Telecom MDR1 antenna. The antenna will be mounted with a centerline 42 meters above ground level.

The zone of predicted interference to either protected station extends only 9 meters from the antenna. Consequently, the area of predicted interference is 33 meters above ground level.



The Applicant respectfully submits that since a lack of population exists in the area of actual interference, the processing pursuant to 47 C.F.R § 74.1204(d) is appropriate for the instant application.