

## New Hope Baptist Church

Artesia, NM

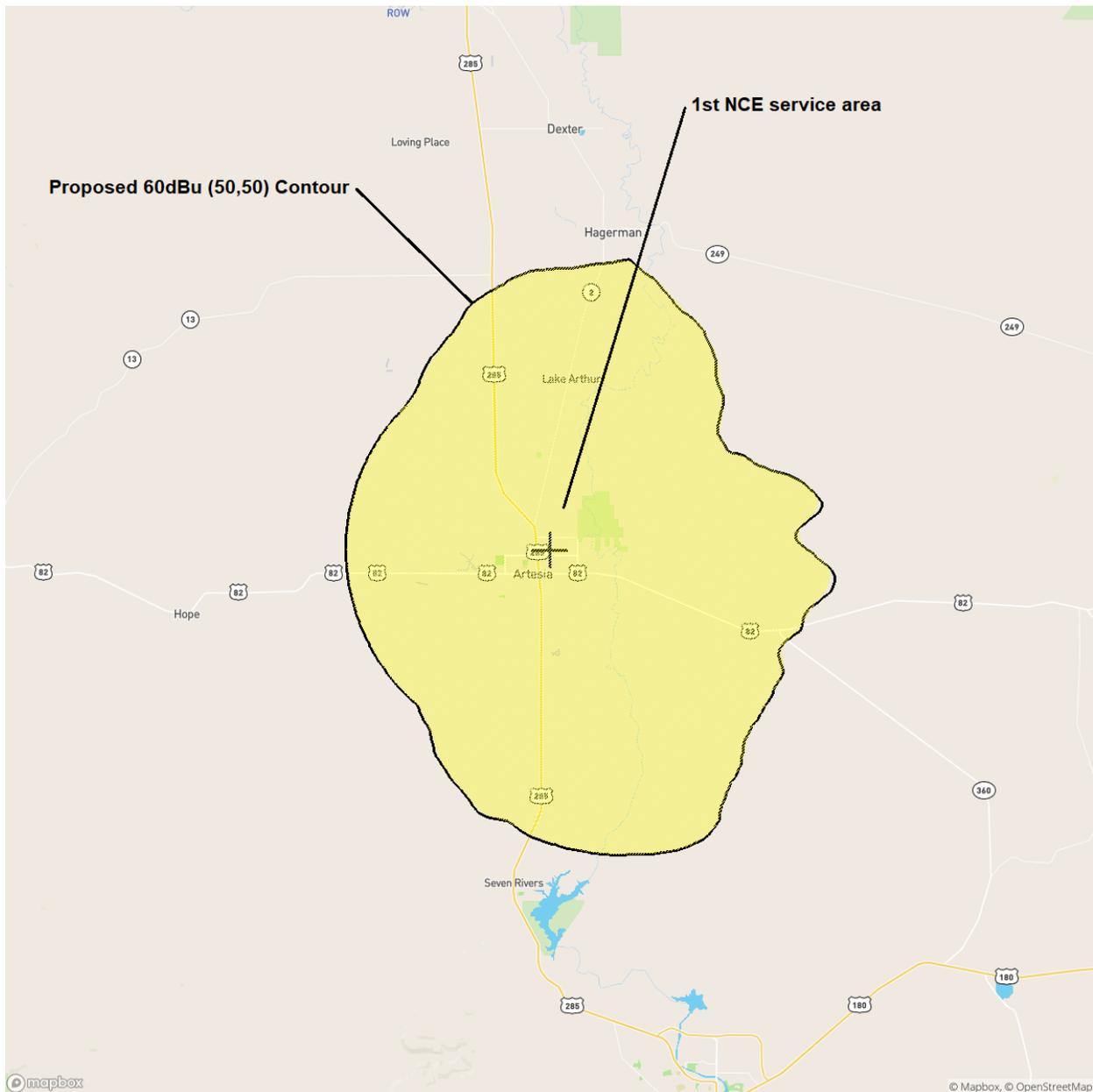
### Fair Distribution of Service

The applicant certifies that it qualifies for Section 307(b) Fair Distribution of Service preferences in the following categories:

**1st NCE Service.** The proposed facility will serve a population of 18,373 and an area of 1,563.88 sq km within its 60dB $\mu$  service contour, and will provide a 1st NCE service to 18,373 persons (100%) and 1,563.88 sq km (100%).

Stations considered: No other NCE stations provide service to the proposed community coverage contour of the proposed facility.

The map below shows the area of coverage for 1st NCE service:



Contour distances were calculated by using the contour calculation methods of 47 C.F.R. §73.313(c) referencing the NDGC 30 sec terrain database for elevation data, as implemented in the Commission's TVFMFS Fortran computer program. Contour distances from the proposed facility were calculated for each integral radial degree (360 total), with linear interpolation between values. Population data used block-level census populations from the US 2010 Census, counting all population using the centroid method approved by the Commission. Area was calculated by scanning for latitude/longitude points within the contour using a 0.04 sq km resolution, then adding the results together, excluding large bodies of water.