Oklahoma Fellowship of Catholic Men
Second Adjacent Channel Waiver Request
LPFM Application Minor Modification
Facility #194312

The proposed facility is fully-spaced pursuant to 47 C.F.R. Section 73.807 to all other facilities other than second-adjacent KATT-FM (FID #8797) (the "Protected Station"). As more fully discussed below, a waiver of 47 C.F.R. 73.807 is appropriate in this instance.

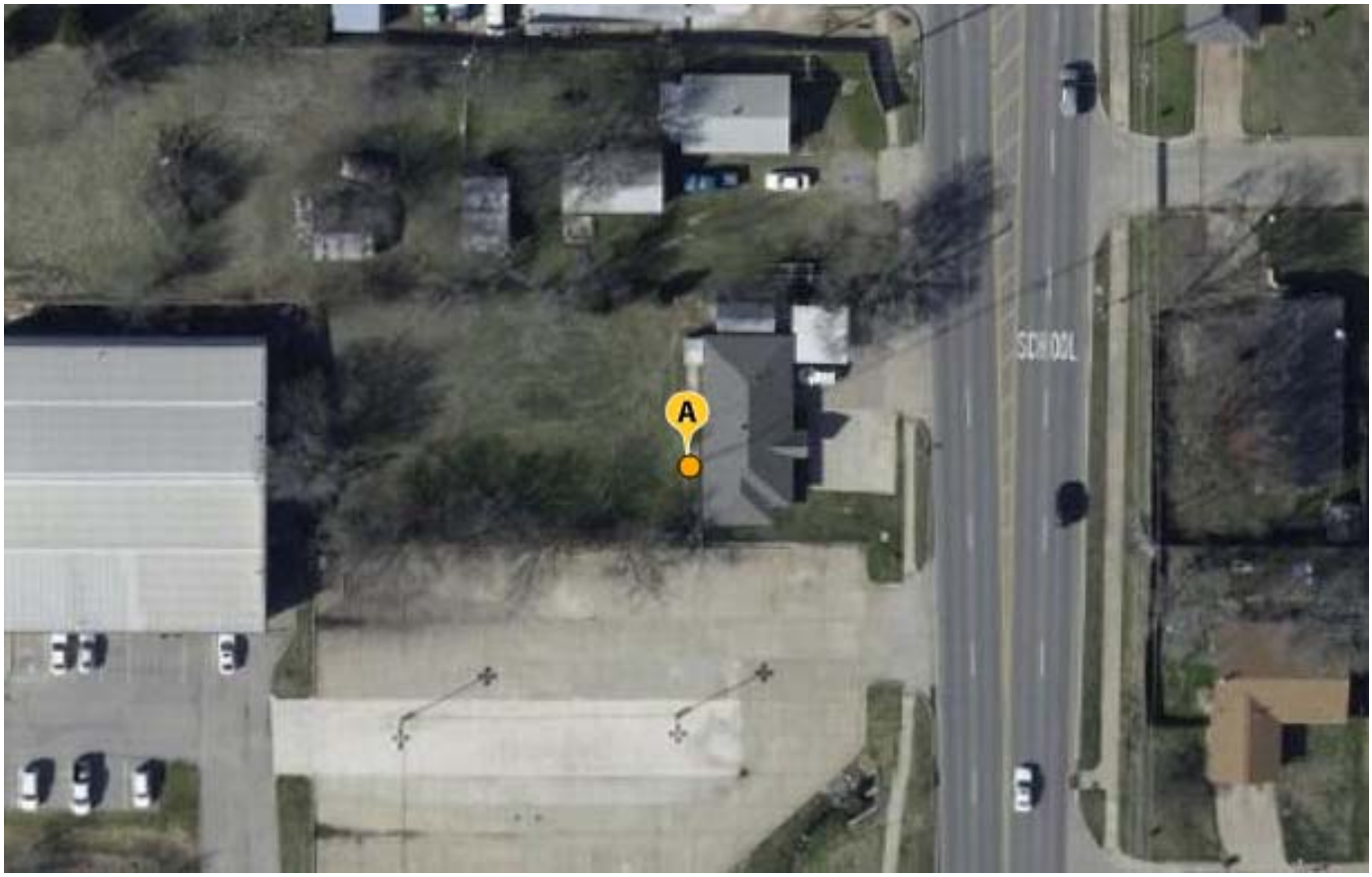
The Protected Station is authorized to broadcast with 28.87 kilowatts at 470 meters HAAT from a site that is 9.76 kilometers from the proposed LPFM site. The predicted strength of the Protected Station at the proposed LPFM site is 98.08 dBu. Therefore, 138.08 dBu is the lowest value predicted to cause interference to the Protected Station.

The applicant proposes to mount the antenna for the LPFM station on an existing tower at 51 meters AGL.

It is anticipated that the LPFM station will be granted an authorization to broadcast with significantly less than 100 watts ERP. The proposed height of the antenna radiation center is 402 meters AMSL. The Commission's online Antenna Height Above Average Terrain Calculator indicates that the antenna for the proposed facility is 65 meters above the height of average terrain. Therefore, pursuant to 47 C.F.R. 73.811 the maximum effective radiated power of the LPFM station proposed herein is 21 watts.

An effective radiation power of 21 watts generates an area of predicted interference to the Protected Station of only 4 meters. Since the antenna will be mounted at 51 meters AGL, the zone of predicted interference will clear the ground by 47 meters.

The image below demonstrates that no structures extend into the very modest zone of predicted interference.



The Applicant respectfully submits that since a lack of population exists in the area of predicted interference, a waiver of 47 C.F.R § 73.807 is appropriate for the instant application.