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DIGITAL LPTV FACILITY MINOR CHANGE APPLICATION KTUO-LD TELEVISION CHANNEL 23

FCC FACILITY ID: 190113
TULSA, OKLAHOMA

ENGINEERING NARRATIVE

Minor Change Application:

KTUO-LD, seeks to modify its existing construction permit to specific a new tower site and antenna system. The maximum effective radiated power (ERP) remains at 15.0 kilowatts. The proposed antenna is a PSI "PSILP12AW-23", a directional antenna. A full-service filter mask is to be employed. The facility requested is not contingent upon a grant or channel move of any other known facility at the time of filing.

Modification Compliance:

Pursuant to 47 CFR §74.787(b) the instant application is considered a "minor" change because;

- There is no change in transmitting antenna location such that the protected service contour resulting from the change does not overlap some portion of the protected service contour of the authorized facilities of the existing station as illustrated in Figure 1, Present & Proposed Service Contours.
- There is no change in transmitting antenna location greater than 30 miles (48km) from the reference coordinates of the existing station's antenna location, as noted below:

CALCULATED DISTANCE BETWEEN EXISTING LICENSED AND PROPOSED SITES

SITE	LAT (NAD83)	LON (NAD83)	(KM)	(MI)
CURRENT/EXISTING	35-53-38.10 N	095-35-07.40 W	47.018	29.216
PROPOSED	36-06-39.30 N	096-01-59.90 W		

FCC Tower Registration (ASR) - FAA Notification:

The proposed mounting structure is a 153.4 meter AGL existing communications tower and has been issued an FCC ASR number of 1012376. No changes in the supporting structure is required that would require notification to the FAA or ASR modification.

Antenna Elevations:

The center of radiation of the proposed antenna is 130.1 meters AGL, 413.6 meters AMSL. The ground elevation at the site is 283.5 meters.

FCC TVStudy Results:

FCC TVStudy Cell Size 1.0 km, Profile Spacing 0.5 km is requested. The profile spacing was modified to 0.5 km as is appropriate for the surrounding terrain within the interference and service areas from this proposal.

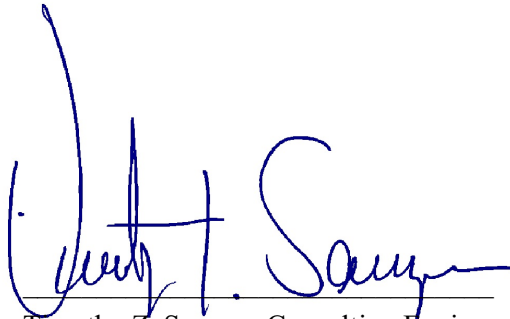
The results of a interference study of the proposal using the FCC TVStudy program (Version 2.2.5), shows that no prohibitive interference will occur from the proposal. A copy of the summary report has been included in this application.

The applicant accepts any incoming interference that is predicted to exist to the proposed facility by any authorized or pending, primary or secondary TV station at the time this application is submitted.

Environmental Evaluation Statement:

The environmental evaluation statement concerning this proposal has been included in this application and can be found as a separate file upload within the application. A grant of this proposal would NOT be an action which would have a significant environmental effect as demonstrated in the environmental evaluation statement.

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