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## DIGITAL LPTV FACILITY MINOR CHANGE APPLICATION

WRUG-LD

FCC FACILITY ID: 190207  
BATON ROUGE, LOUISIANA

JANUARY 2024

### ENGINEERING NARRATIVE

#### Minor Change Application:

WRUG-LD, seeks to modify its existing CONSTRUCTION permit (LMS: 0000211366) to specific a new transmission site and antenna system parameters. The proposed antenna is a PSI PSILP12AER horizontally polarized directional slot UHF 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.

Maximum Effective Radiated Power (ERP) is 8.35-kilowatts, horizontal polarization only.

#### 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 facility of the station license 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 construction permit antenna location, as noted below:

CALCULATED DISTANCE BETWEEN EXISTING LICENSE AND PROPOSED SITES

SITE	LAT (NAD83)	LON (NAD83)	(KM)	(MI)
CURRENT - LICENSED	30-37-44.20 N	091-00-09.90 W	23.398	14.539
PROPOSED CP MOD	30-25-04.6 N	091-00-31.7 W		

#### FCC Tower Registration (ASR) #1038164 - FAA Notification:

The proposed antenna mounting structure is 76.8 meter in overall height above ground level (AGL) and has been issued a Antenna Structure Registration (ASR) number 1038164 by the Commission’s Wireless Bureau. This is an existing communication tower that does not require further FAA notification as no changes in the supporting structure is required. The antenna is to be side-mounted on the structure at the 62.5-meter AGL level.

Antenna Elevations:

The ground elevation at the site is 9.4 meters above mean sea level (AMSL). The center of radiation of the proposed antenna is 62.5 meters above ground level (AGL). Thus, the center of radiation is 71.9 meters above mean sea level (AMSL), as tabulated below:

ALL ELEVATIONS IN METERS

GROUND ELEVATION	9.4
SUPPORTING STRUCTURE OVERALL HEIGHT AGL	76.8
ANTENNA HEIGHT AGL	62.5
ANTENNA RCAMSL	71.9

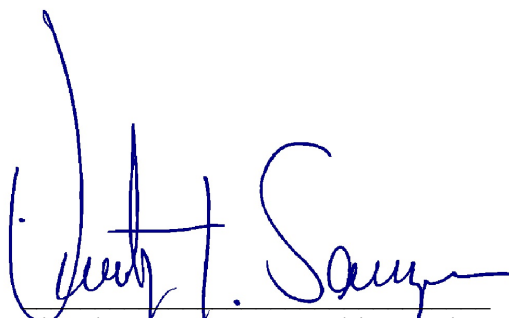
FCC TVStudy Results - A terrain profile spacing of 0.1 km is requested:

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. The use of a terrain profile spacing interval of 0.1 km is requested.

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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