

WRAS – GEORGIA STATE UNIVERSITY

ATLANTA, GEORGIA

ENGINEERING NARRATIVE

The purpose of this application is to change the location of the WRAS TRANSMITTER SITE to better serve the Atlanta metro, particularly the Center City area which is populated with many tall buildings.

The proposed facility neither causes interference to, nor receives interference from, any known full-service station, authorization for a full-service station or application for a full-service station. All contours have been calculated at one degree intervals using the NGDC 30 second terrain data base. A detailed contour overlap study (FMOver) regarding WBOJ, Lumpkin, Georgia follows the WBOJ Allocation Study.

The tower is owned by American Towers, LLC, and it is registered as FCC 1206253. There are several Full Service broadcast tenants either on the tower or authorized to be on the tower, however, there will be none on the support mast for the proposed panel antenna. None of the broadcast tenants are "main" facilities, and three are Construction Permits. From the current CDBS, the other broadcast stations are:

1. WUBL, CH 235C1, Licensed, Auxiliary ONLY (BXLH-20101112AVY)
2. WWPW, CH 241C0, Licensed, Auxiliary ONLY (BXLH-20101112AVS)
3. WWWQ, CH 259C0, CP, Auxiliary ONLY (BXPB-20120807ACC)
4. WWWQ, CH 259C0, CP, Auxiliary ONLY (BXPB-20120807ABZ)
5. WWNX, CH 263C2, CP, Auxiliary ONLY (BXPB-20120807ABY)

Also, see the RFR Analysis in Exhibit 24 for additional data on the other tenants.

A tower sketch is attached that shows the above listed antennas and the proposed antenna. The tower is a candelabra with three arbors. One of the arbors is not populated, and to simplify the sketch, only the two that are populated are shown.

The FAA has been notified of this proposal. It has assigned the case the study number 2013-ASO-8042-OE. A copy of the "Determination of No Hazard" is attached. This proposal does not affect the height of the existing tower, however, the FAA was notified for the purpose of evaluating the potential for electronic interference with the aeronautical communications and navigational aids. See pages three and four of the "Determination".