

TECHNICAL STATEMENT
W243EE ATLANTA, GEORGIA 243D
DAVIS BROADCASTING OF ATLANTA, L.L.C.
FCC FORM 349
JANUARY 2020

This Technical Statement is in support of a minor change application FCC, form 349, to the W243EE Construction Permit, facility ID No. 203141, being filed on behalf of Davis Broadcasting of Atlanta, L.L.C.

The site will move to ASR 1223132 at the coordinates of N. 33°-48'-26.4", W. 84°-20'-21.7", NAD 83. The directional antenna is a Scala CL-FM Log Periodic horizontally polarized and will be mounted 291 meters Above Ground Level with a Center of Radiation at 555 meters Above Mean Sea Level.

Figure 1 shows a channel interference study conducted from the proposed site for the new translator. The table shows possible interference in the second and fourth lines to records for the same facility, but these records will be replaced by this application. The only pertinent records for further study are:

- 1) WWPW Atlanta, Georgia 241C0 License
- 2) WSRV Gainesville, Georgia 246C License
- 3) W244EI Atlanta, Georgia 244D License
- 4) WBZW Union City, Georgia 244A License

The proposed site is located within the protected contours of 2nd adjacent station WWPW Atlanta, Georgia channel 241C0. The transmitter of WWPW is located at the same site as the proposed operation. It's ERP is 100 kW while the proposed operation is less than 300 Watts; therefore, there will be no 2nd adjacent interference that covers any population.

The proposed site is located within the protected contours of 3rd adjacent station WSRV Gainesville, Georgia channel 246C. The predicted F(50-50) field strength of WSRV

at the proposed transmitter site is 71.3 dB μ . Therefore, the predicted interfering signal contour F(50-10) generated by the proposed facility to WSRV is an additional 40 dB μ at 111.3 dB μ . The maximum distance to the 111.3 dB μ interference contour is 234 meters. The center of radiation will be 291 meters above ground. The interference contour will not reach the ground, in fact it will only reach an area of greater than 57 meters or over 187 feet above the ground at the tower site itself. There are no buildings taller than 187 feet within 252 meters of the tower site; therefore, there will be no 3rd adjacent interference that covers any population.

The 2nd or 3rd adjacent interference zones do not reach any population and the applicant, Davis Broadcasting of Atlanta, LLC, respectfully suggests that the application meets the requirements of C.F.R. 74.1204(d) of the Commission's rules based on the fact that there is no population within the area of predicted interference.

Figure 2 is the predicted coverage map showing the 54 dB μ interference contour F(50,10) of the proposed operation and the 60 dB μ protected contour F(50,50) of W244EI Atlanta, Georgia on channel 244D. As can be seen, there is no prohibited overlap between these two contours.

Figure 3 is the predicted coverage map showing the 54 dB μ interference contour F(50,10) of the proposed operation and the 60 dB μ protected contour F(50,50) of WBZW Union City, Georgia on channel 244A. As can be seen, there is no prohibited overlap between these two contours.

Figure 4 shows that there will be overlap between the 60 dB μ contours of the proposed facility and of the W243EE original tech box.

This proposed facility will be a fill-in for WJZA(AM), Atlanta, Georgia, facility ID No. 36144. Figure 5 shows that the 60 dB μ coverage area of the proposed facility lies within the 2 mV/m contour of WJZA(AM).

It was concluded that the proposed operation of W243EE Atlanta, Georgia on 243D

will not cause any harmful interference to any existing stations and will be in full compliance with the Commission's rules. Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.