

MINOR CHANGE APPLICATION
BROOMFIELD BROADCASTING OF LEXINGTON, INC.
W241AK FM TRANSLATOR STATION
CH 250D - 97.9 MHz - 0.250 kW
LEXINGTON, SOUTH CAROLINA
January 2016

TECHNICAL STATEMENT

This Technical Statement and exhibits were prepared on behalf of Broomfield Broadcasting of Lexington, Inc. ("Broomfield"), proposed assignee of FM translator station W241AK, Channel 241D, Ocilla, Georgia. Broomfield proposes to relocate W241AK to a new site, change from Channel 241D to Channel 250D, and rebroadcast AM station WDEK, 1170 kHz, Lexington, South Carolina, pursuant to DA-1491, released December 23, 2015. This is a "250 mile window application." Exhibit A demonstrates that the proposed W241AK site is within 250 miles of the licensed W241AK transmitter site, as required.

The proposed W241AK antenna will be located on an existing tower. As such no further action with regard to FCC registration is required.

Broomfield is proposing that W241AK rebroadcast the signal of AM station WDEK, 1170 kHz, Lexington, South Carolina. The proposed W241AK's 60 dBu contour is within the WDEK 2.0 mV/m contour and is within 25 miles of the WDEK tower. Therefore, W241AK is considered to be a fill-in translator. Exhibit B is a map demonstrating compliance with the fill-in requirements.

Exhibit C is a study demonstrating that the proposed W241AK on Channel 250 will not cause interference to any full service station, nor will interference be delivered to or received from any existing FM translator station or LPFM application. Due to co-location with an AM station the worksheets associated with FCC Form 349 could not be used to demonstrate compliance with the Commission's human exposure guidelines for radio frequency radiation. Exhibit D addresses this issue.

All supporting data used in the preparation of this application has been forwarded to Broomfield and is available for submission to the Commission upon request.¹

1) All data regarding broadcast facilities was extracted from the CBDS database on the date of the interference tabulation. We assume no liability for errors or omissions in that database which may be adverse to the requests contained herein. Only the radio frequency exposure review of the environmental analysis was undertaken as part of this instant engineering application.