

Engineering Report
Exhibit 12 Page 1
Minor Change Application W250BA
Edward A. Schober
October 2016

This report is prepared to support a minor change to an FM translator construction permit, W250BA, Manahawkin, NJ. This application proposes to relocate the translator to Johnstown, PA to rebroadcast Class B AM Station WKGE, Johnstown, PA, FCC ID 72964

Minor Change

This application is filed pursuant to the “Second 250 mile window for FM Translators to serve AM Stations” of the AM revitalization Rulemaking. The proposed W250BA transmitter site located 398.35 km or 247.6 miles from the WKGE transmitter location, thereby meeting the requirements of §74.1201(j).

Primary Station

WKGE is proposed as the primary AM Station. Exhibit 10 shows that the proposed W281BN 60 dbuV contour is encompassed by the WKGE 2.0 mV/m contour. An application for changes to WKGE has been filed. The 2.0 mV/m contour of the proposed WKGE facility are shown encompassing the proposed FM Translator also. A 25 mile circle is shown also enclosing the proposed FM Translator 60 dbu.

An application for assignment of license (BAL-20161014AAK) has been filed to assign for WKGE to the applicant. The agreement for sale authorizes the applicant to utilize W250BA as a fill in translator for WKGE under the second “250 Mile FM Translators to serve AM Stations” window.

Channel Allocations

Exhibit 13 Figure 1 is a co-channel and first adjacent channel allocations map showing that there is no overlap of protected contours of other stations' and applications' protected contours and the interference contours specified in § 74.1204 of the FCC rules. Figure 2 is a map showing the allocations contours for second and third adjacent channels. The closest IF Spaced station is Class A WPAI (FM) Nanty Glo, PA. It is spaced 21.4 km from the proposed site, greater than the 10 km required spacing of §73.207(b). These maps show there is no overlap or spacing issue with any station.

In conclusion, the proposed translator meets all the overlap requirements of § 74.1204 of the FCC rules and regulations.

Environment

Exhibit 17 is a study showing that the proposed translator is excluded from environmental processing according to § 1.1306 of the FCC rules. The RF exposure worksheet is included to show that there is no location where the radiation from the translator exceeds exposure standards for general public. The tower is a co-location on a tower constructed in 1995. The lease arrangements for the tower will include requirements to reduce power or cease operation to accommodate workers on the tower, as needed.

Engineer's Statement

This is to certify that this report has been prepared by myself. It is correct and accurate of my own knowledge, except where stated otherwise, and where that is so, the information is correct to the best of my knowledge and belief.

I further certify that I am a Licensed Professional Engineer in the State of New Jersey, and the Commonwealth of Pennsylvania with a BSEE degree from the Newark College of Engineering of NJIT, and that I am, and have been for over thirty five years, regularly engaged in the practice of radio engineering with the firm of Radiotechniques Engineering, LLC, with offices at 402 Tenth Avenue, Haddon Heights, NJ. I am a Member of the AFCCE, Senior Life member of the IEEE and SBE and hold a FCC General Radiotelephone Operator License. My qualifications are a matter of record with the FCC.



26 October 2016



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