

APPLICATION FOR STATION LICENSE
RADIO LICENSE HOLDING CBC, LLC
W253AC FM TRANSLATOR STATION
CH 253D - 98.5 MHZ - 0.10 KW
READING, PENNSYLVANIA
January 2012

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Radio License Holding CBC, LLC (“RLH”), licensee of FM translator station W253AC, Channel 253D, Reading, Pennsylvania. RLH holds an outstanding permit to make minor changes to the W253AC facilities (BPFT-20111013AGQ). This application seeks a license to cover the outstanding permit. Attached as Exhibit A is a calculation of the transmitter power output for the W253AC translator.

It is noted that the station to be re-transmitted by W253AC is to be changed from WLEV, Allentown, Pennsylvania to WIOV, 1240 kHz, Reading, Pennsylvania. As indicated on Exhibit B, the 60 dBu of the authorized W253AC is wholly encompassed within the 2.0 mV/m daytime contour and the 25 mile radius from WIOV. Therefore, the translator is considered a fill-in for WIOV and is in compliance with the Commission’s rules.

There are two special operating conditions/restrictions listed on the W253AC permit. The first condition states that during installation of the W253AC antenna, AM station WIOV, 1240 kHz, Reading, Pennsylvania will determine operating power by the indirect method. Following the installation of the antenna, impedance measurements on the WIOV tower will be made and a Form 302-AM application will be submitted to return WIOV to direct measurement of power. WIOV operates with folded unipole. Impedance measurements were taken on WIOV prior to and

following the installation of the W253AC antenna and transmission line. It has been determined that there was no change in the base impedance measurement. As such, it is not necessary to submit Form 302-AM and Condition #1 has been satisfied.¹

The second condition states that RHL will reduce the power of W253AC or cease operation to insure persons with access to the site are not exposed to radio frequency radiation levels above the limits. RHL herein restates that it will, in cooperation with other tower users, reduce the power of W253AC or cease operation, as necessary, to insure that persons having access to the tower will not be exposed to radio frequency electromagnetic fields in excess of the FCC's guidelines. Based on the foregoing, it is believed all conditions on the W253AC construction permit have been satisfied.

1) Should the FCC staff desire a Form 302-AM be submitted for WIOV specifying the same parameters as currently licensed, an application for station license will be promptly prepared and submitted.