

ENGINEERING STATEMENT
MARYLAND PUBLIC BROADCASTING COMMISSION
MODIFICATION OF CONSTRUCTION PERMIT FILE NUMBER 0000025181
WMPB, BALTIMORE, MD
GRANTED: CH 22, 36.5 KW-DIRECTIONAL, 307 m HAAT
PROPOSED: CH 22, 90 KW-DIRECTIONAL, 307 m HAAT

This statement supports an application by Maryland Public Broadcasting Commission, licensee of WMPB, to modify construction permit file number 0000025181 to construct its post-auction television repack facility.

This proposed modification is part of an Unable to Construct Channel Resolution Agreement (“Agreement”) and attached to this application. As a part of that Agreement, this application proposes that WMPB operate with an Effective Radiated Power of 90 kW on channel 22.

An interference analysis was performed using TVStudy software and pursuant to the parameters used by the Commission for application interference processing. The results of the analysis showed that the proposed operation for WMPB is not predicted to cause interference in excess of that allowed by the rules to other television stations that are not a party to the Agreement.

TVStudy returned an alert that the proposal is within the coordination distance of the FCC monitoring station at Laurel, MD, and calculated a predicted field strength of 8.0 mV/m from WMPB. The predicted field strength is less than the 10 mV/m threshold cited in §73.1030(c)(2) of the rules and, therefore, further consultation with the FCC should not be required. Nevertheless, applicant has made notification to FCC staff regarding this alert.

TVStudy also returned the following notification regarding AM stations:

Directional AM stations within 3.2 km:

WCAO 600 L DA1 U BALTIMORE, MD BL19890825AF

Applicant is proposing to utilize its the existing broadband antenna in this application and no changes on the tower are being proposed. Therefore, there will be no impact to WCAO by a grant of this application.

The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.3) utilized by the Commission and, therefore, should yield similar results.