

ENGINEERING STATEMENT
MARYLAND PUBLIC BROADCASTING COMMISSION
MINOR CHANGE IN LICENSED FACILITY BLEDT-20090330AFA
WFPT, FREDERICK, MD
LICENSED: CH 28, 41.2 KW-DIRECTIONAL, 158 m HAAT
PROPOSED: CH 21, 35.2 KW-DIRECTIONAL, 156 m HAAT

This statement supports an application by Maryland Public Broadcasting Commission, licensee of WFPT, to make a minor change in its licensed facility BLEDT-20090330AFA to construct its assigned post-auction television repack facility.

Applicant proposes to operate on the assigned repack channel of 21 with an Effective Radiated Power of 35.2 kW at an antenna height of 304.3 m AMSL and 1) will maintain the proposed service contour within the FCC assigned baseline contour plus 1.0% and 2) will provide a service area population that is more than 95.0% of the population baseline.

A slight change of HAAT from 158 m is proposed to bring it into agreement with that of 156 m as calculated by TVStudy.

Instances where the proposed contour is extended from the current contour on a particular radial is due to the slight variation in the proposed antenna pattern from the current licensed pattern when operating on a different channel using the same broadband antenna. In all instances the proposed service contour does not exceed the current by more than the 1% allowed.

An interference analysis was performed pursuant to the parameters used by the Commission for application interference processing. The results of the analysis showed that the proposed operation for WFPT is not predicted to cause interference in excess of that allowed by the rules. The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.2) utilized by the Commission and, therefore, should yield similar results.