

ENGINEERING STATEMENT
MARYLAND PUBLIC BROADCASTING COMMISSION
MODIFICATION OF LICENSE, FILE NUMBER 0000078429
WFPT, FREDERICK, MD
LICENSED: CH 28, 71.3 KW-DIRECTIONAL, 156 m HAAT
PROPOSED: CH 28, 71.3(H), 46.4 KW(V)-DIRECTIONAL, 156 m HAAT

This statement supports an application by Maryland Public Broadcasting Commission, licensee of WFPT, Frederick, MD, to modify its licensed facility, FCC file number 0000078429.

Applicant proposes to change its current directional antenna to a different make and model and add elliptical polarization.

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.

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 0.9 mV/m from WFPT. 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. Additionally, there is no change in field strength value from this proposed modified facility from that predicted by TVStudy for the licensed WFPT facility.

The analysis was performed using the methodology stated in OET-69 using the same software (TVStudy v2.2.5) utilized by the Commission and, therefore, should yield similar results.