

ENGINEERING STATEMENT
L4 MEDIA GROUP, LLC
MINOR CHANGE IN LICENSED FACILITY BLANK0000004207
WBXC-CD, CHAMPAIGN/URBANA, IL
LICENSED: CH 46, 2.5 KW-DIRECTIONAL, 308.8 m AMSL
PROPOSED: CH 18, 0.042 KW-DIRECTIONAL, 307.3 m AMSL

This statement supports an application by L4 Media Group, LLC, licensee of WBXC-CD, to make a minor change in its licensed facility BLANK0000004207 to construct its assigned post-auction television repack facility.

Applicant proposes to operate on the assigned repack channel of 18 with an Effective Radiated Power of 0.042 kW at an antenna height of 307.3 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.

The proposed antenna pattern is identical to the pattern assigned by the FCC for repack. Instances where the proposed contour is extended from the current contour on a particular radial are due to rounding differences between converted CDBS coordinates, in NAD27, and the ASR coordinates which are given in NAD83. In all instances the proposed service contour does not exceed the current contour 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 WBXC-CD 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.