

**Engineering Statement**  
**WWOR Channel 25 Secaucus, NJ**  
**Relocation from Empire State Building to One World Trade**

In order to accommodate T-Mobile's early operation in spectrum they purchased in the recently concluded Incentive Auction, WWOR has agreed to transition early from its current channel 38 to its Post-Repack channel 25. In that WWOR intends to move from its current site at the Empire State Building to the new One World Trade Building, this application requests authority for the proposed transmitter site relocation.

The technical parameters proposed in this application insure that both existing Pre-Repack facilities as well as Post-Repack facilities are protected. Interference to the Pre-Repack facilities is limited to less than 2.0% as permitted on a temporary basis to facilitate the spectrum repacking. Post-Repack interference is predicted to be less than 0.5%.

Attached to this application are the results of two separate studies produced by the FCC's TVStudy software that verify the appropriate protections have been achieved. The first study was conducted using the CDBS November 2015 Auction Database in order to properly evaluate interference to the current (Pre-Repack) environment. The second study was conducted using the current LMS Database to evaluate interference in the Post-Repack environment.

It is noted that the service contour of the proposed facility does slightly exceed the 1% extension limit in some directions. However, the contour extension is *de minimus* and is a result of the move south to the new site and an ERP level that seeks to minimize service loss.

TVStudy analysis result attachments:

Pre-Repack: WWOR\_OWT\_PEP40E\_40.5KW\_IA\_DB\_tvixstudy.pdf

Post-Repack: WWOR\_OWT\_PEP40E\_40.5KW\_tvixstudy.pdf