

STA Justification and Engineering Statement
KUCW Channel 35 Ogden, UT

KUCW has recently completed its facility modification required to move to its repack channel 35. Upon commencing operation with the new facility, KUCW encountered a significant problem with the recently modified main antenna. Therefore, KUCW has an immediate need to move its channel 35 operation to a nearby standby antenna.

The standby antenna is located on an adjacent tower at the same site as the KUCW main antenna at a slightly lower elevation. The standby antenna is a broadband master antenna with a pattern similar to the KUCW main antenna and is designed to be an auxiliary antenna for KUCW as well as several other stations located at this site.

An interference analysis using the FCC's TVStudy software indicates that the facility proposed in this application provides all required interference protection to other stations (Copy of the analysis results are attached). It is also noted that in order to accommodate the other station sharing this antenna, KUCW's power will be reduced from its authorized 432 kW ERP to 161.5 kW; therefore, insuring the coverage will not exceed what is already authorized.