

**APPLICATION FOR STATION LICENSE**  
**RADIO LICENSE HOLDING CBC, LLC**  
**KKWD AUXILIARY FM ANTENNA**  
**KKWD RADIO STATION**  
**CH 285A - 104.9 MHZ - 0.45 KW**  
**BETHANY, OKLAHOMA**  
**October 2011**

**TECHNICAL STATEMENT**

This Technical Statement was prepared on behalf of Radio License Holding CBC, LLC ("RLH"), licensee of radio station KKWD, Channel 285A, Bethany, Oklahoma. RLH also holds a permit for an auxiliary FM antenna system for KKWD (BXPH-20110914ABA). RLH herein submits an application for license for the auxiliary facility. A calculation of the transmitter power output of the KKWD auxiliary facility is attached as Exhibit A.

The KKWD permit has three conditions/restrictions. The first condition states that sufficient measurements are to be made to show that the KKWD antenna is in compliance with §73.317(b) through §73.317(d) of the rules (shared antenna). In addition to KKWD, RLH has two additional auxiliary permits for stations KAAT-FM and KYIS, which specify the same height on the tower as the KKWD system. However, while three stations could use the same antenna, there is no transmitter combiner installed to allow them to simultaneously use the system. Only one station will use the antenna at a time. Therefore, the shared antenna condition is not applicable to this instant license application.<sup>1</sup>

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1) Should in the future a combiner be installed, an application to modify the auxiliary license will be filed to update the system gains and losses, and will include an emission report satisfying §73.317 of the rules.

The second condition states that if the KKWD antenna is mounted on a tower which is base insulated or de-tuned at AM frequency 930 kHz, then AM station WKY should determine power by the indirect method and a partial proof submitted to show that the WKY facility was not impacted as a result of the installation of the KKWD antenna and line on the nearby tower. The tower on which KKWD is base insulated. Currently, WKY is operating under Special Temporary Authorization (BESTA-20110720ACD) with non-directional facilities due to the relocation of its phasing equipment. Therefore, it is not possible to take directional measurements on WKY at this time to satisfy this condition. As RLH is also the licensee of WKY, once the AM facility is restored to normal parameters, RLH will conduct a partial proof and submit it to the Commission with FCC Form 302-AM. At this time, RLH requests that this condition be waived.

The third and final condition that RLH will reduce the power of the KKWD auxiliary antenna, or cease operation in coordination with other users of the tower, to protect persons having access to the site from radio frequency electromagnetic fields in excess of FCC guidelines. RLH will comply with this condition.