

APPLICATION FOR STATION LICENSE
RADIO LICENSE HOLDING CBC, LLC
KYIS AUXILIARY FM ANTENNA
KYIS RADIO STATION
CH 255C - 98.9 MHZ - 11.0 KW
OKLAHOMA CITY, OKLAHOMA
October 2011

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Radio License Holding CBC, LLC (“RLH”), licensee of radio station KYIS, Channel 255C, Oklahoma City, Oklahoma. RLH also holds a permit for an auxiliary FM antenna system for KYIS (BXPB-20110914AEF). RLH herein submits an application for license for the auxiliary facility. A calculation of the transmitter power output of the KYIS auxiliary facility is attached as Exhibit A.

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

The second condition states that if the KYIS auxiliary antenna is mounted on a tower, which is base insulated or de-tuned at AM frequency 930 kHz, then AM station WKY should

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.

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 KYIS antenna and line on the nearby tower. The tower on which the KYIS antenna is installed 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, it will conduct a partial proof and submit it to the Commission with an FCC Form 302-AM. At this time, RLH requests that this condition be waived.

The third condition states that in order to demonstrate compliance with the Commission's radiofrequency electromagnetic field exposure guidelines an Electronics Research, Inc. ("ERI") four bay, half wavelength spaced antenna was used (FCC/EPA Type #3). If an alternate antenna is used, Automatic Program Test authority for the KYIS permit would not apply. As indicated in this instant application, an ERI four bay, half wavelength spaced, antenna is being used. Therefore, Automatic Program Test provisions apply.

The fourth and final condition states that RLH will reduce the power of the KYIS 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.