

MINOR CHANGE APPLICATION
RADIO LICENSE HOLDING CBC, LLC
WKY AM RADIO STATION
930 kHz - 0.51/5.0 kW - NDU
OKLAHOMA CITY, OKLAHOMA
May 2016

TECHNICAL STATEMENT

This Technical Exhibit supports the application by Radio License Holding CBC, LLC (“Radio License Holding”), licensee of AM station WKY, 930 kHz, Oklahoma City, Oklahoma. Radio License Holding proposes to make minor changes in the WKY facilities by reducing the transmitter power during nighttime hours and operating non-directionally during daytime and nighttime hours from the tallest tower of its previous directional array. It is noted that this application proposes to correct the geographic of coordinates for WKY. The correction is from North Latitude: 35° 33' 43" and West Longitude: 97° 30' 27" to North Latitude: 35° 33' 43" and West Longitude: 97° 30' 24". This deminimus correction would normally be addressed in an FCC Form 302-AM application; however, since changes to the nighttime operation require filing an FCC Form 301-AM application, the correction is addressed with this application. The remaining towers of the directional array will be dismantled or detuned at 930 kHz. The nighttime power of WKY will be reduced from 5.0 kilowatts (directional) to 0.51 kilowatt (non-directional) to preclude interference to other stations on 920 kHz, 930 kHz, and 940 kHz.

Since the changes to the daytime operation are deminimus (3 seconds or less of longitude), no daytime coverage analysis or daytime allocation analysis was conducted for this application.

The proposed WKY facility will utilize the existing tallest tower, which has been registered with the FCC and assigned Antenna Structure Registration Number 1011274. After a review, it was found that a correction of the coordinates for this tower is necessary. The FAA has been notified of the change.¹ Antenna Structure Registration Numbers 101127 will be modified to reflect the corrected coordinates and site elevation upon the expected grant of the FAA's Determination of No Hazard to Air Navigation. No change to the actual location of the tower is anticipated. The ground system for WKY extends out 80.0 meters (262 feet) from the tower's base, except where limited by property boundary. No site plat is included with this application since it remains unchanged from the previous submission. The site plat may be found in the FCC's WKY station file. Attached as Exhibit #1J is a satellite view of the proposed facility.

Although this application seeks to correct the geographic coordinates of the proposed site, during daytime hours WKY will provide a 5.0 mV/m city grade service contour to 100% of the area and 100% of the population of Oklahoma City and 97.4% of the area and 99.7% of the population of Oklahoma City during nighttime hours.

The proposed facility is not located within 0.8 kilometer (0.5 mile) of any non-directional AM station. This proposal is not within 3.2 kilometers (2.0 miles) of any directional AM station array. There are several FM and television facilities, either proposed or operational, located within 10.0 kilometers of the proposed WKY operation. It is expected that there will be no detrimental interaction or impact with any station due to the changes to WKY.

1) Aeronautical Study Number 2016-ASW-4548-OE.

We have tried to be as accurate as possible in the preparation of this application. All information contained in this application was extracted from the CDBS database. We assume no liability for omissions or errors in this source. Should there be any questions concerning the information contained herein, we welcome the opportunity to discuss the matter by phone at 912-638-8028 or by email at rsg@grahambrock.com.