

MODIFY BLH-19971024KC
WFLB LICENSE LIMITED PARTNERSHIP
WFLB (FM) RADIO STATION
CH 243C - 96.5 MHZ - 100.0 KW
LAURINBURG, NORTH CAROLINA
April 2012

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of WFLB License Limited Partnership (“WLLP”), licensee of radio station WFLB, Channel 243C, Laurinburg, North Carolina.

WLLP’s main antenna system was damaged by lightning and was replaced with an alternate model. Sections of the transmission line were also replaced. Therefore, this instant application requests a modification of license to reflect the changes to the transmission system. A

calculation of the transmitter power output of the WFLB transmitter is attached as Exhibit A.

The ERI antenna also has 2.2% first null fill and 0.7% second null fill. The antenna system uses custom spaced vertical bay intervals, as the distance between bays four and five is not full wave (0.5 wavelength), to accommodate fitting the eight bay system on the length of the mounting pole. The remaining bays are full wavelength spaced. A drawing of the antenna is attached as Tech 1 for reference purposes.

Exhibit B is a vertical elevation pattern showing the gain of the Electronics Research, Inc., (“ERI”) antenna, based on the custom elevation pattern for the WFLB antenna. A filtering system is installed for WFLB due to the co-location of another FM station. A report regarding the emission of the WFLB system is attached as Exhibit E and shows that WFLB is compliant with §73.317 of the rules.

As this application for modification is being submitted without first obtaining a permit, there are no specific conditions to address. However, the present WFLB license states that the facility was granted pursuant to §73.215 of the rules. WLLP acknowledges this condition.

WLLP also states that it will reduce the power of WFLB, 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. Based on the foregoing, it is believed that WFLB is in compliance with the Commission's rules.