

APPLICATION FOR STATION LICENSE
RADIO MARIA, INC.
KOJO RADIO STATION
CH 216C3 - 91.1 MHZ - 14.0 KW (V)(DA)/4.0 KW (H)
LAKE CHARLES, LOUISIANA
August 2004

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Radio Maria, Inc. ("RMI"), licensee of radio station KOJO, Channel 219A, Lake Charles, Louisiana. RMI also has an outstanding permit to relocate KOJO, change to Channel 216, install a directional antenna and upgrade the facility as authorized in BMPED-20021028AAB. This instant application seeks a license to cover the outstanding permit. Attached, as Exhibit A, is a calculation of the transmitter output power for the KOJO transmitter. KOJO is operating at 50% power pending a review of the directional antenna system by the Commission's staff. Therefore, full power program test has not yet begun. This instant application seeks authority to operate at full power.

There were seven special operating conditions/restrictions listed on the KOJO permit. The first condition relates to radio frequency radiation limits at the site. RMI herein restates that it will, in cooperation with other tower users, reduce the power of KOJO or cease operation, as necessary, to insure that persons having access to the tower will not be exposed to radio frequency electromagnetic fields in excess of the FCC's guidelines.

The next four conditions (2,3,4 and 5) all relate to the use of a directional antenna for KOJO. Attached as Exhibit B is an antenna proof of performance from Shively, the manufacturer of the new KOJO antenna system, demonstrating the compliance of the antenna

system.¹ Attached as Exhibit C is a statement from an engineer that the antenna was assembled and installed in accordance with Shively's specifications. Finally, attached as Exhibit D is a verification from a Land Surveyor that the antenna is oriented at 0° true.

Further, as detailed in Exhibit B, the power of the facility between 80° and 100° is below the required 8.96 kilowatt limit, and the power at 270° is below the 9.18 kilowatt limit. It is noted that the directional antenna pattern, as submitted with this instant license application, does not meet the 85% RMS of the envelope pattern submitted with the application for construction permit. Therefore, Shively Labs ("Shively"), the manufacturer of the KOJO antenna system, has prepared a supplemental composite envelope pattern that does comply with §73.316(c)(9) of the rules. As such, based on the revised envelope pattern, which is contained within the Shively documentation, the measured pattern complies with the 85% RMS of the envelope.

Condition 6 requires the installation of 776 filters on TV receivers within the theoretical predicted interference area within 90 days of commencement of program tests, and provide TV station KFDM-TV with certification of the installations (to allow verification). RMI, or its representatives, will undertake the installation and coordinate the matter with KFDM-TV.

The final condition relates to the change of channels for station KBAN, De Ridder, Louisiana. RMI and the licensee of KBAN, American Family Association, submitted contingent applications to change the channels of their respective facilities. These changes had

1) The vertical polarization is 14.0 kilowatts and, as indicated in the Shively report, is directional. The horizontal polarization is 4.0 kilowatts and is non-directional. The power of the horizontal polarization is encompassed by the vertical polarization.

to be made simultaneously to prevent interference between the stations. Program tests on each station commenced simultaneously, in accordance with the permits, and applications for station license have been simultaneously filed. RMI understands that a license for KOJO will not be issued until the license for KBAN is issued.

Based on the foregoing, it is believed that all conditions on the KOJO permit have been satisfied. As such, RMI requests full power program test for KOJO.