

MINOR CHANGE APPLICATION
AMENDMENT TO BNPFT-20030317AFG
GLORY COMMUNICATIONS, INC.
NEW FM TRANSLATOR STATION
CH 286D - 105.1 MHZ - 0.099 KW ND
COLUMBIA, SOUTH CAROLINA
July 2013

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Glory Communications, Inc. (“Glory”), applicant for a new FM translator station on Channel 288D in Columbia, South Carolina (BNPFT-20030317AFG). Glory herein proposes to make minor changes to the proposed facilities by changing the operating channel from Channel 288 to Channel 286, decreasing the effective radiated power from 0.25 kilowatt to 0.099 kilowatt, changing the parent station, and relocating to an existing tower site using a non-directional directional antenna pattern.

The proposed minor change will constitute an engineering resolution of the conflict of BNPFT-20030317AFG with the applications filed by Capstar TX Limited Partnership (BNPFT-20030314BRS) and Community Public Radio, Inc. (BNPFT-20030311AUT). Glory has reached a settlement agreement with the remaining conflict, Augusta Radio Fellowship Institute, Inc. (BNPFT-20030310ACV). The settlement agreement is found elsewhere in this application. The proposed 60 dBu contour is completely encompassed within the 60 dBu contour of parent station WGFG, Branchville, South Carolina. As such, the proposed facility is considered a fill-in translator (Exhibit A).

The proposed facility is located within the Columbia, South Carolina LPFM Preclusion Grid ¹, as shown in Exhibit B. This proposal will not impact any potential LPFM transmitter site's availability. The reference distance of the proposed translator, based upon a height above average terrain of 163.11 meters and a maximum power of 0.099 kilowatt, is 13.126 kilometers. By reference to §73.807(d)(1) of the Commission's rules, the co-channel LPFM protection distance is 32.0 kilometers. The first adjacent channel protection distance is 21.0 kilometers, and the second and third adjacent channel protection distance is 14.0 kilometers respective, with an I.F. spacing requirement of 5.0 kilometers. The only channel with possible LPFM limitations is Channel 287, which is the first adjacent to this proposal. The 21.0 kilometer spacing requirement from this proposal does not preclude any potential LPFM transmitter sites, as detailed in Exhibit B2. The Columbia, South Carolina preclusion printout and Channel 287 preclusion points are detailed in Exhibit B3. Therefore, this proposal is not considered as a restriction or preclusion to any LPFM possible channel in the Columbia, South Carolina LPFM Market.

There is common 60 dBu service area between this amended facility and the originally filed facility, as shown on Exhibit C.

The proposed new FM translator's antenna system will be located on an existing tower structure. Exhibit E is a demonstration that the proposed new FM translator complies with the RF exposure limits.

1) Market #89, 30 minute Spectrum Available

All supporting data used in the preparation of this application has been forwarded to Glory and is available for submission to the Commission upon request.²

2) All data regarding broadcast facilities was extracted from the CBDS database on the date of the interference tabulation. We assume no liability for errors or omissions in that database which may be adverse to the requests contained herein. Only the radio frequency exposure review of the environmental analysis was undertaken as part of this instant engineering application.