

NEW AUXILIARY FM ANTENNA
CUMULUS LICENSING LLC
WMXT (FM) RADIO STATION
CH 271C2 - 102.7 MHZ - 0.394 KW
PAMPLICO, SOUTH CAROLINA
June 2018

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Cumulus Licensing LLC ("Cumulus"), licensee of FM radio station WMXT, Channel 271C2, Pamplico, South Carolina. Cumulus requests permission to construct a new auxiliary FM antenna system for WMXT to use when the main system is out of service for repairs or maintenance. The proposed auxiliary system will operate with an effective radiated power of 0.394 kilowatt. The proposed antenna is the same as specified in several auxiliary applications, specifically new auxiliary facilities for WCMG, Latta, South Carolina, WYNN-FM, Florence, South Carolina and WQPD, Marion, South Carolina. Only one station will utilize the antenna at a time. This eliminates the requirement for a diplexer.

Cumulus is proposing to locate the new auxiliary antenna on an existing tower; as such, the Federal Aviation Administration was not apprised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1268126. Since this is a proposed auxiliary antenna system, no allocation review, community coverage issues, main studio location, or interference issues are considered in this instant application.¹

Exhibit A is a map showing that the proposed WMXT auxiliary 60 dBu contour will not extend beyond that of the licensed WMXT 60 dBu contour. Exhibit B is a study

1) There are no stations with an Intermediate Frequency (IF) relationship near the proposed auxiliary site.

that shows the proposed WMXT auxiliary facility will comply with the Commission's RF exposure requirements.² Since only one station will be using the shared antenna at any given time, Exhibit B demonstrates a worse case scenario.

All other data used to certify the information contained in the application has been forwarded to Cumulus and is available for submission to the Commission upon request.³

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- 2) Cumulus is also submitting applications for new auxiliary antenna systems for WQPD, Marion, South Carolina; WYNN-FM, Florence, South Carolina; and WCMG, Latta, South Carolina to share the WMXT antenna.
 - 3) The undersigned has evaluated on the radio frequency radiation exposure limits of this proposal. Further, all data regarding broadcast facilities was extracted from the CDBS database on the date of this application. We assume no liability for errors or omissions in that database that may be adverse to the requests contained herein.