

MINOR CHANGE APPLICATION
MAHON COMMUNICATIONS, INC.
NEW FM TRANSLATOR STATION
CH 282D - 104.3 MHZ - 0.099 KW
ROANOKE, VIRGINIA
December 2017

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Mahon Communications, Inc. ("Mahon"). Mahon herein seeks to establish a new of FM translator station to retransmit the signal of its co-owned AM station WFJX, 910 kHz, Roanoke, Virginia, pursuant to DA 17-533, released June 6, 2017. This long-form application is being submitted pursuant to DA 17-1069, released November 1, 2017.

The proposed new FM translator's antenna is to be located on an existing structure which is registered with the FCC and has been assigned Antenna Structure Registration Number 1249287. Since no changes are proposed to the antenna structure, the FAA has not been notified of this proposal.

Mahon proposes to rebroadcast the signal of AM station WFJX, 910 kHz, Roanoke, Virginia on the proposed new facility. The proposed new translators's 60 dBu contour is within 25.0 miles (40.0 kilometers) of the WFJX site; therefore, the new translator is considered a fill-in translator. Exhibit A is a map demonstrating compliance with the fill-in requirements.

Exhibit B is a study demonstrating that the proposed new translator will not cause interference to any full service station, nor will interference be delivered to or received from any existing FM translator or LPFM application.

Due to the co-location of the proposed new translator's antenna with an AM station, the worksheets associated with FCC Form 349 could not be used to demonstrate compliance with the Commission's human exposure guidelines for radio frequency radiation. Exhibit C documents compliance with the radio frequency radiation guidelines.

All other necessary documentation used to certify the technical portion of FCC Form 349 has been forwarded to Mahon and is available to the Commission upon request.¹

1) The undersigned has evaluated only the radio frequency radiation exposure portion of the environmental review. All data regarding broadcast facilities was extracted from the Commission's CDBS database on the date of this application. We assume no liability for errors or omissions in that database which may be adverse to the request contained herein.