

FEDERAL COMMUNICATIONS COMMISSION
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September 23, 2010

Peter Tannenwald
Fletcher, Heald & Hildreth, P.L.C.
1300 North 17th Street 11th Floor
Arlington, VA 22209-3801

In re: Request for Experimental
Authority
The American University
WAMU(FM), Washington, DC
Facility ID No.: 65399

Dear Counsel:

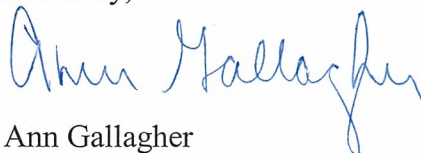
The staff has under consideration the request received on September 21, 2010, for experimental authority to permit WAMU to test IBOC operation with asymmetrical power levels in the digital sidebands. The experimental authority is requested pursuant to 47 C.F.R. § 73.1510 for a period of six months.

The applicant's letter request states that the proposed tests, which would increase digital power up to -10 dB relative to the analog carrier power, are planned as a demonstration during the National Association of Broadcasters radio show in Washington, DC. In addition, the station intends to conduct subsequent tests to evaluate whether asymmetrical sideband operation is practical for stations whose digital power may be limited on either a lower or an upper adjacent channel. WAMU will conduct the experiment in cooperation with NPR Laboratories. An interference study included with the request indicates that only two stations are likely to be affected by WAMU's increase in digital sideband power: WKNZ, Ch 204B1, Kensington, DE (Facility ID No. 90270) and WHMM, Ch 202A, Spotsylvania, VA (Facility ID No. 172441). Neither station is currently on the air. WAMU states that it will cooperate with these stations as necessary to mitigate any new interference.

Accordingly, the requested experimental authority for the hybrid digital operation described above IS **HEREBY GRANTED**. This authority is specifically conditioned on the lack of objectionable interference. A report detailing the methodology employed and the results obtained must be submitted within **ninety** days following the conclusion of the experimental operation pursuant to 47

C.F.R. § 73.1510(d). The report should describe the test procedures in detail, and should identify those adjacent channel stations vulnerable to interference and note any additional interference observed during the tests. The report should also characterize the observed changes in digital coverage. This experimental authority expires on **March 23, 2011**. Any request for extension of this authority should be filed at least thirty days prior to this expiration date. **Additionally, such a request must include an interim version of the aforementioned report that details the progress of the experimental program as of the filing date.**

Sincerely,

A handwritten signature in blue ink, appearing to read "Ann Gallagher", with a stylized, cursive script.

Ann Gallagher
Audio Division
Media Bureau