

FEDERAL COMMUNICATIONS COMMISSION
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May 19, 2014

Mr. Gregory Borgen
WRPX, Inc.
P.O. Box 25130
Saint Paul, MN 55125

Re: WDGY(AM), Hudson, Wisconsin
WRPX, Inc.
Facility ID Number 6440
File No. 20140516ABU

Request for Experimental Authority

Dear Mr. Borgen:

This letter is in reference to the request filed May 16, 2014, on behalf of WRPX, Inc., for an experimental authorization to conduct testing of all-digital AM transmission as defined in the NRSC-5-B IBOC Digital Radio Broadcasting Standard.¹ WRPX, Inc. is the licensee of Station WDGY(AM), Hudson, Wisconsin, and it proposes to conduct the experimental operation using the Station WDGY(AM) licensed daytime facilities. WRPX, Inc. requests that the experimental authorization be effective for a period of 90 days.

Station WDGY(AM) is a Class D AM station licensed to operate on 740 kilohertz ("kHz") at Hudson, Wisconsin, with 5.0 kilowatts (kW) nominal power and a directional antenna system during daytime hours.² WRPX, Inc. states that the all-digital testing will be conducted in conjunction with the National Association of Broadcasters, and proposes no changes to the to the licensed Station WDGY(AM) antenna system or transmitter for the tests. WRPX, Inc. further states that it believes that the results of the testing will be of significant value to the broadcast industry because it will be the first testing of all-digital operation on a Class D AM station, and all-digital AM transmission "could quite conceivably provide a solution to many of the numerous technical challenges currently plaguing the service."

Our review indicates that the proposed experimental operation meets the requirements of Section 5.203 of the Commission's Rules,³ and is not likely to cause interference to any other station. We find that the public interest would be served by the knowledge gained through further testing of all-digital AM operation. Although the analog AM broadcast service provided by Station WDGY(AM) must be

¹ National Radio Systems Committee NRSC-5-B, In-band/on-channel Digital Radio Broadcasting Standard, April 2008.

² FCC File Number BMML-20130715AHC. Station WDGY(AM) may operate with lesser daytime power during the experimental operation, if deemed appropriate for the tests.

³ 47 C.F.R. § 5.203.

discontinued during the time that the all-digital AM transmission system is being tested, the Hudson community is well served by other AM and FM radio stations.

Accordingly, the request for experimental authority IS HEREBY GRANTED. Station WDGY(AM) may operate with an all-digital AM signal as described above. Operation under this authority shall be terminated if complaints of interference are received, unless the interference can be eliminated immediately by power reduction or other means. WRPX, Inc. shall employ whatever means are necessary to prevent excessive exposure of workers or the public to radio frequency radiation, pursuant to Section 1.1310 of the Commission's Rules.⁴ Within 60 days following completion of the experimental operation authorized herein, WRPX, Inc. shall file a full report detailing the research, experimentation and results of the testing with the Commission, pursuant to Section 5.203(d) of the Commission's Rules.⁵

This authorization expires on **August 18, 2014**.

Sincerely,

A handwritten signature in blue ink, appearing to read "Susan N. Crawford", written in a cursive style.

Susan N. Crawford
Audio Division
Media Bureau

cc: Gregory Borgen (via email)
David H. Layer (via email)

⁴ 47 C.F.R. § 1.1310.

⁵ 47 C.F.R. § 5.203(d).