FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET, SW
WASHINGTON, DC 20554

MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/mediafradio/audio-audio/

PROCESSING ENGINEER: Priscilla M. Lee
TELEPHONE: (202) 418-2957
GROUP FACSIMILE: (202) 418-1411
INTERNET ADDRESS: Priscilla.Lee@fcc.gov

February 7, 2020

John Wells King, PLLC.
4051 Shoal Creek Lane East
Jacksonville, FL 32225-4792

> Re: Station WNPN(FM), Newport, RI
>
> Rhode Island Public Radio
> Facility ID No. 163899
> File No. 20200117 AAS
>
> Request for Experimental Authority

Dear Counsel:

This is in reference to the request filed on January 17, 2020 on behalf of Rhode Island Public Radio ("RIPR"), licensee of noncommercial educational FM station WNPN(FM), Newport, Rhode Island. [1] RIPR requests experimental authorization pursuant to Section 5.203 of the Commission's Rules[2] to permit WNPN(FM) to conduct testing of hybrid digital FM in-band on-channel ("IBOC") operation with asymmetric power levels in the digital sidebands.

The request states that RIPR intends to operate Station WNPN(FM) with lower sideband ("LSB") digital effective radiated power ("ERP") of -14 dBc[3], and upper sideband ("USB") digital ERP of -10 dBc. In support of its request, RIPR submitted an engineering study showing that the proposed operation complies with the contour nonoverlap requirement as specified in the Media Bureau's Order adopted January 27, 2010, in MM Docket No. 99-325 *("Order")* [4] for operation with -10 dBc USB digital ERP. RIPR has demonstrated that there will be no contour

---

[1] File Number BLED-20180801AAS. Station WNPN(FM) is licensed to operate on channel 207B (89.3 megahertz) with 7 kilowatts (kW) effective radiated power (ERP) and 254 meters antenna radiation center height above average terrain (HAAT) using a four-sectioned directional antenna.

[2] 47 CFR § 5.203 (Section 5.203).

[3] Decibels relative to analog carrier.

[4] *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service,* MM Docket No. 99-325, Order, 25 FCC Rcd 1182 (MB 2010) (Order).

overlap and no interference is predicted to be caused to the first adjacent stations WNCK(FM) and WWQZ(FM) analog facilities by the experimental facility.

Our review indicates that the proposed WNPN(FM) digital operation complies with the contour nonoverlap and other technical requirements of the *Order*[5] and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203 of the Commission's Rules. Accordingly, the request is **HEREBY GRANTED.** WNPN(FM) may operate with increased digital ERP as follows:

Analog ERP:	7 kilowatts ("kW")[6]
Digital LSB ERP: [7]	0.14 kW
Digital USB ERP:	0.35 kW

This experimental authority expires on **February 7, 2021.** 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 90 days following the conclusion of the experimental operation. Any request for extension of this experimental authority should be filed at least 30 days prior to the expiration date of the authority. Additionally, an extension request must include an interim version of the aforementioned report detailing the progress of the experimental operation as of the filing date of the request.

Sincerely,

Rodolfo F. Bonacci
Assistant Division Chief
Audio Division
Media Bureau

cc: Rhode Island Public Radio

---

[5] *Id.*

[6] All ERP values rounded in accordance with 47 CFR § 73.212(a).

[7] Digital ERP values shown are for MPI service mode. The licensee must adjust the station's asymmetric digital sideband ERP values in accordance with NRSC guideline "NRSC-0202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (April 2016) if operating using a service mode other than MPI.