



Federal Communications Commission
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/media/radio/audio-division

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5212 Station Way
Sarasota, FL 34233

Re: WNTB(FM), Topsail Beach, NC
Davis Media, LLC
Facility ID No. 73954
File No. 20230331AAB

Request for Experimental Authority

Dear Counsel:

The staff has under consideration the above-referenced March 31, 2023, request for experimental authority (Request) submitted on behalf of Davis Media, LLC (Davis Media), licensee of commercial full power FM Station WNTB(FM), Topsail Beach, North Carolina,¹ to permit WNTB to conduct testing of hybrid digital FM in-band on-channel (IBOC) operation with asymmetric power levels in the digital sidebands. The experimental authority is requested pursuant to Section 5.203 of the Commission's Rules.²

The Request states that Davis Media is seeking experimental authority to operate WNTB with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc³ and upper sideband (USB) digital ERP of -10 dBc. Davis Media submitted an engineering study in support of the Request.

Our review of the Request indicates that the proposed WNTB experimental operation complies with the contour nonoverlap and other technical requirements of the Media Bureau's Order, adopted January 27, 2010, in Mass Media Docket No. 99-325,⁴ and the Request meets the requirements for experimental operations set forth in Section 5.203.

¹ File Number BLH-20070216AAU. WNTB(FM) is licensed for analog operation on Channel 229A (93.7 megahertz) with 6 kilowatts (kW) effective radiated power (ERP) and 100 meters antenna radiation center height above average terrain (HAAT) using a non-directional antenna.

² 47 CFR § 5.203 (Section 5.203).

³ Decibels relative to analog carrier.

⁴ See *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010).

Accordingly, the Request is **HEREBY GRANTED**. WNTB may operate with digital ERP as follows:

Analog ERP:	6 kilowatts (kW), H&V ⁵
LSB Digital ERP: ⁶	0.12 kW
USB Digital ERP:	0.3 kW

This experimental authority expires on **May 3, 2024**. 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 that details 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: Davis Media LLC by email

⁵ All ERP values rounded in accordance with 47 CFR § 73.212(a).

⁶ Digital ERP values shown are for MP1 service mode. The licensee must adjust the station's asymmetric total digital sideband ERP values in accordance with NRSC guideline "NRSC-G202-A, FM IBOC Total Digital Sideband Power for Various Configurations" (April 2016) if operating using a service mode other than MP1.

