

FEDERAL COMMUNICATIONS COMMISSION
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November 2, 2016

Davina S. Sashkin, Esq.
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1300 North 17th Street
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Re: WMYZ(FM), Clermont, Florida
Central Florida Educational
Foundation, Inc.
Facility ID No. 27291
File No. 20161021ABW

Request for Experimental Authority

Dear Counsel:

The staff has under consideration the October 21, 2016, request for experimental authority submitted on behalf of Central Florida Educational Foundation, Inc. (CFEF), licensee of noncommercial educational FM station WMYZ(FM), Clermont, Florida,¹ to permit WMYZ(FM) 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 CFEF is seeking experimental authority to operate WMYZ(FM) with lower sideband (LSB) digital effective radiated power (ERP) of -10 dBc³ and upper sideband (USB) digital ERP of -11 dBc.

Our review indicates that the proposed WMYZ(FM) digital operation does not comply with the contour nonoverlap and other technical requirements of the Media Bureau's *Order*

¹ File Number BLED-20100408ABN.

² 47 CFR § 5.203 (Section 5.203).

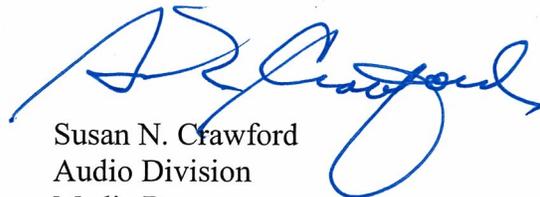
³ Decibels relative to analog carrier.

adopted January 27, 2010, in MM Docket No. 99-325⁴. Specifically, at -11 dBc USB digital power, the predicted WMYZ(FM) interfering 50.2 dBu F(50,10) contour impermissibly overlaps the protected 60 dBu F(50,50) contour of licensed, first-adjacent channel station WKTO(FM), Edgewater, Florida.⁵ However, our study shows that with an USB digital power of -12 dBc, the WMYZ(FM) asymmetric digital sideband power operation would provide the required protection of the licensed WKTO(FM) facilities, as well as the authorized facilities of all other potentially affected first-adjacent channel FM stations, and would meet the contour nonoverlap and other technical requirements of the Order. Additionally, the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the request, modified to specify -12 dBc USB digital power, is HEREBY GRANTED. WMYZ(FM) may operate with increased digital ERP as follows:

Analog ERP:	1.2 kilowatts (kW), H&V ⁶
Digital LSB ERP: ⁷	0.060 kW
Digital USB ERP:	0.038 kW.

This experimental authority expires on **November 2, 2017**. 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,



Susan N. Crawford
Audio Division
Media Bureau

cc: Central Florida Educational Foundation, Inc.

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).

⁵ File No. BLED-20110603AAS.

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

⁷ Digital ERP values shown are for MP1 service mode. The licensee must adjust the station's asymmetric digital sideband ERP values in accordance with NRSC guideline "NRSC-G202, FM IBOC Total Digital Sideband Power for Various Configurations" (September 2010) if operating using a service mode other than MP1.