Federal Communications Commission
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MEDIA BUREAU
AUDIO DIVISION
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Re: WUCF-FM, Orlando, Florida
Facility ID No. 69229
University of Central Florida
File No. 20220413AAD

Request for Experimental Authority

Dear Counsel:

The staff has under consideration the April 13, 2022 request for experimental authority submitted on behalf of the University of Central Florida (UCF), licensee of noncommercial educational FM station WUCF-FM, Orlando, Florida,[1] to permit WUCF-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 UCF is seeking experimental authority to operate WUCF-FM with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc[3] and upper sideband (USB) digital ERP of -10 dBc. UCF has been conducting test operations with asymmetric power levels in the digital sidebands since May 15, 2017.[4] UCF reports that WUCF-FM has received no complaints of interference by listeners nor other broadcasters as a result of operating under the parameters authorized in the experimental grant.

[1] File No. BMLED-20140515ADY. WUCF-FM is licensed for analog operation on Channel 210C3 (89.9 megahertz) with 0.36 kilowatts (horizontally polarized) and 5.6 kilowatts (vertically polarized) effective radiated powers (ERP) and 148 meters antenna radiation center height above average terrain (HAAT) using a directional antenna.

[2] 47 CFR § 5.203 (Section 5.203).

[3] Decibels relative to analog carrier.

[4] File No. 20170501AAJ (granted 5/15/2017) and extended by File Nos 20180426ABX, 20190402ABE, 20200406AAQ, and 20210316AAB.

Our review indicates that the proposed WUCF-FM digital operation complies with the contour nonoverlap and other technical requirements of the Media Bureau's *Order* adopted January 27, 2010, in MM Docket No. 99-325[5], and the request for experimental authority meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the request is HEREBY GRANTED. WUCF-FM may operate with increased digital ERP as follows:

Analog ERP:	0.36 kilowatts (kW)-H, 5.6 kW-V[6]
Digital LSB ERP:	0.0140 kW-H, 0.225 kW-V
Digital USB ERP:	0.036 kW-H, 0.56 kW-V.

This experimental authority expires on **May 11, 2023**. 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

[5] *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*).*

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