



**Federal Communications Commission**  
**Washington, D.C. 20554**  
May 14, 2021

**MEDIA BUREAU**  
**AUDIO DIVISION**  
**APPLICATION STATUS:** (202) 418-2730  
**HOME PAGE:** [www.fcc.gov/media/radio/audio-division](http://www.fcc.gov/media/radio/audio-division)

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Re: WUCF-FM, Orlando, Florida  
Facility ID No. 69229  
University of Central Florida  
File No. 20210316AAB

**Request for Extension of Experimental  
Authority**

Dear Counsel:

This letter concerns the above-referenced March 16, 2021 request for extension of experimental authority<sup>1</sup> submitted on behalf of University of Central Florida (UCF), licensee of non-commercial educational FM Station WUCF-FM, Orlando, Florida,<sup>2</sup> to permit WUCF-FM to continue to conduct testing of hybrid digital FM in-band on-channel (IBOC) operation with asymmetric power levels in the digital sidebands. The extension of experimental authority is requested pursuant to Section 5.203 of the Commission's Rules.<sup>3</sup>

UCF is seeking continued experimental authority to operate WUCF-FM with lower sideband (LSB) digital ERP of -14 dBc<sup>4</sup> (0.014 kW-H and 0.225kW-V) and upper sideband (USB) digital ERP of -10 dBc (0.036 kW-H and 0.56 kW-V).<sup>5</sup> UCF states that WUCF-FM has operated its IBOC carriers in compliance with the grant since May 15, 2017. UCF also reports that the asymmetrical operation of IBOC sidebands remarkably improves reception of digital signals within the service area. Finally, UCF has received no complaints of interference resulting from WUCF-FM's experimental digital operation under the parameters authorized in the experimental grant.

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<sup>1</sup> File No. 20170501AAJ (granted 5/15/2017), as extended by File No. 20180426ABX, 20190402ABE, and 20200406AAQ.

<sup>2</sup> File Number BMLED-20140515ADY.

<sup>3</sup> 47 CFR § 5.203 (Section 5.203).

<sup>4</sup> Decibels relative to analog carrier.

<sup>5</sup> Analog ERP is 0.36 kilowatts ("kW")-H and 5.6 kW-V

UCF's request for extension of experimental authority for WUCF-FM meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the extension request is **HEREBY GRANTED**. This experimental authority expires on **May 15, 2022**. 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.

Pursuant to Section 5.71(c) of the Commission's rules, a broadcast experimental authorization is issued for a one year period and may be renewed for an additional term not exceeding five years upon an adequate showing of need.<sup>6</sup> Upon expiration of this experimental authority, WUCF-FM's experimental operation using asymmetric digital sideband powers will have reached the five year renewal limit set forth in Section 5.71(c), and no further renewals of this authority will be granted.

Sincerely,

Rodolfo F. Bonacci  
Assistant Division Chief  
Audio Division  
Media Bureau

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<sup>6</sup> 47 CFR § 5.71(c) (Section 5.71(c)).