

FEDERAL COMMUNICATIONS COMMISSION
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MEDIA BUREAU
AUDIO DIVISION
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March 26, 2019

Derek Teslik, Esq.
Gray Miller Persh LLP
1200 New Hampshire Ave., NW
Washington, DC 20036

Re: WGCU-FM, Fort Myers, Florida
The Florida Gulf Coast University
Board of Trustees
Facility ID No. 69042
File No. 20190226AAV

Request for Experimental Authority

Dear Applicant:

The staff has under consideration the above-referenced February 26, 2019 request for experimental authority (Request) submitted on behalf of the Florida Gulf Coast University Board of Trustees (FGCU), licensee of a noncommercial educational FM Station WGCU(FM), Fort Myers, Florida,¹ to permit WGCU 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 FGCU is seeking experimental authority to operate WGCU with lower sideband (LSB) digital effective radiated power (ERP) of -14 dBc³ and upper sideband (USB) digital ERP of -10 dBc. FGCU filed a digital notification to operate at -14 dBc with symmetric power levels in 2012.⁴ FGCU states that public interest will be well served with improved signal extended to the local community if FGCU is permitted to operate with asymmetrical power levels in the digital sidebands.

Our review of the Request indicates that the proposed WGCU's experimental operation complies with the contour protection and other technical requirements of the Media Bureau's Order, adopted

¹ File Number BMLD-19990823KA. WGCU is licensed to operate on channel 211C1 (90.1 Megahertz) using a nondirectional antenna, 100 kilowatts (kW) effective radiated power (ERP), and 248 meters antenna radiation center height above average terrain at a transmitter site described by geographic coordinates 26° 48' 54" North Latitude, and 81° 45' 44" West Longitude, referenced to 1927 North American Datum.

² 47 CFR § 5.203 (Section 5.203).

³ Decibels relative to analog carrier.

⁴ File Number BDND-20120420ABO (received 4/20/2012).

January 27, 2010, in Mass Media Docket No. 99-325,⁵ and the Request meets the requirements for experimental operations set forth in Section 5.203. Accordingly, the Request is **HEREBY GRANTED**. WGCU may operate with digital ERP as follows:

Analog ERP:	100 kilowatts (kW), Max-BT, H&V ⁶
LSB Digital ERP: ⁷	2.0 kW
USB Digital ERP:	5.0 kW

This experimental authority expires on **March 26, 2020**. 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 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: The Florida Gulf Coast University Board of Trustees (via email)

⁵ See *Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service*, Order, 25 FCC Rcd 1182 (MB 2010).

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 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.