

FEDERAL COMMUNICATIONS COMMISSION
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MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
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March 6, 2012

Jerold L. Jacobs, Esq.
Cohn & Marks
1920 N Street NW, Suite 300
Washington, DC 20036-1622

Re: University of South Florida
WUSF(FM), Tampa, Florida
Facility Identification Number: 69122
Request for Experimental Authority

Dear Counsel:

The staff has under consideration the request filed on March 1, 2012, on behalf of University of South Florida ("USF"), for experimental authority pursuant to 47 C.F.R. § 73.1510. USF requests authority to test IBOC operation with asymmetrical power levels in the digital sidebands.

The proposed experimental operation would increase digital power up to -11 dBc¹ on the lower sideband ("LSB") and up to -14 dBc on the upper sideband ("USB"). An interference study included with the request indicates that three stations are likely to be affected by the proposed increase in digital power: WUCF, Ch 210C3, Orlando, FL; WKSG, Ch 208C2, Cedar Creek, FL and new, unbuilt Construction Permit BNPED-20071018AKI, Ch 208C3, Taylor Creek, FL. USF provides an engineering study which demonstrates that the proposed operation complies with the contour nonoverlap provisions of the Commission's January 29, 2010, Order² with respect to each of the foregoing stations. USF states that it will prepare a report concerning its results which will be submitted to the Commission at the conclusion of the experimental period. USF further states that, if the asymmetrical operation is practical, it will seek extensions of its experimental authority.

Our review indicates that the proposed operation meets the contour nonoverlap provisions of the MB Order. We find that the Public Interest would be served by grant of the requested experimental authority, in that the results of the experimental operation would provide information as to the practicality of asymmetrical sideband IBOC operation by FM stations, currently the subject of a Commission Inquiry.³

¹ Decibels relative to the analog carrier power.

² Order, *Digital Audio Broadcasting Systems and their Impact on the Terrestrial Radio Service*, MM Docket No. 99-325, 25 FCC Rcd 1182 (MB 2010); hereinafter "MB Order".

³ See *Public Notice, Digital Audio Broadcasting Systems and their Impact on the Terrestrial Radio Service*, MM Docket No. 99-325, 26 FCC Rcd 15309 (MB 2011).

Accordingly, the requested experimental authority IS HEREBY GRANTED. Station WUSF may operate with increased digital power not to exceed the following:⁴

Transmitter Power Output:

Analog:	23 kW
Digital LSB	1.85 kW
Digital USB	0.92 kW

Effective Radiated Power:

Analog:	72 kW
Digital LSB	5.7 kW
Digital USB	2.9 kW

It will be necessary to reduce digital power or cease IBOC operation if complaints of interference are received. A report detailing the methodology employed and the results obtained must be submitted within **ninety** days following the conclusion of the experimental operation pursuant to 47 C.F.R. § 73.1510(d). The report should describe the test procedures in detail, should identify those adjacent channel stations vulnerable to interference and note any additional interference observed during the tests. The report should also characterize the observed changes in digital coverage.

This experimental authority expires on **March 6, 2013**. Any request for extension of this authority should be filed at least thirty days prior to the expiration date and must include an interim version of the aforementioned report that details the progress of the experimental program as of the filing date.

Sincerely,



Charles N. Miller, Engineer
Audio Division
Media Bureau

cc: University of South Florida

⁴ Values rounded per 47 C.F.R. §73.212(a).