



AUDIO SERVICES DIVISION

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May 25, 2010

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
Digital Radio Notification
445 Twelfth Street, SW
Room 2-B450
Washington, D.C. 20554

RECEIVED

RE: WKMS-FM Madisonville, KY, 217C1
Facility Identification Number: 47080
Notification of Modified Digital Operation

Dear Ms. Dortch:

The Board of Regents of Murray State University (WKMS-FM) hereby notifies the Commission of the commencement of digital broadcasting using iBiquity Digital Corporation's HD Radio™ technology pursuant to the Media Bureau's January 27, 2010, Order¹. Consistent with the Commission's rules on digital operations, the Murray State University Board of Regents (WKMS-FM) hereby supplies the following information in support of this notification.

1. **Date.** The Board of Regents of Murray State University (WKMS-FM) plans to commence elevated digital level broadcasts on May 31, 2010.
2. **Certification of Facilities.** The Board of Regents of Murray State University (WKMS-FM) hereby certifies its facilities conform to the iBiquity Digital Corporation hybrid FM specifications.
3. **Technical Reference.** In the event of interference, questions should be directed to the Board of Regents of Murray State University (WKMS-FM)'s technical representative:
Allen Fowler
WKMS-FM
2018 University Station
Murray, KY 42071
(270) 809-4742
allen.fowler@murraystate.edu
4. **Type of Operation Proposed: Separate antennas.** The analog signal will continue to utilize the main WKMS-FM antenna, licensed in file number BLED-19990721KC. The

¹ Order: In the Matter of Digital Audio Broadcasting Systems And Their Impact on the Terrestrial Radio Broadcast Service, MM Docket 99-325, released January 29, 2010.

auxiliary antenna is licensed in file number BXMLEL-20100426ADU and is mounted directly below the main antenna on the same tower, at the same geographic coordinates. The Height Above Average Terrain for the auxiliary antenna is 158 meters, which is 86 percent of the HAAT of the main antenna.

5. Transmitter Output Power.

Analog: 19.45 kW
Digital: 900 Watts

6. Certification of ERP. The Board of Regents of Murray State University (WKMS-FM) hereby certifies its analog effective radiated power will remain as authorized after commencement of digital operations. The new operation will produce:

Analog: 100 kW
Digital: 1.7 kW (-17.7 dBc; 1.7 percent)
Total: 101.7 kW

7. Radiation Exposure Certification. The Board of Regents of Murray State University (WKMS-FM) hereby certifies that its interim digital operations will not cause human exposure to levels of radio frequency radiation in excess of Section 1.1310 of the Commission's rules and is therefore categorically excluded from environmental processing pursuant to Section 1.1306 (b)

8. With the exception of the digital power level requested, the proposed digital operation will comply with the technical specifications set forth in Appendix B of the First Report and Order in MM Docket No. 99-325².

9. Anti-Drug Abuse Act Certification. Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

Any questions concerning this notification should be directed to the technical representative listed above.

Sincerely,



Randy J. Dunn
President

² FIRST REPORT AND ORDER In the Matter of Digital Audio Broadcasting Systems and Their Impact on the Terrestrial Radio Broadcast Service, MM Docket No. 99-325. Released October 11, 2002.