BDNED-20100819ACC

DIGITAL RADIO NOTIFCATION
CONSUMATION OF HYBRID DIGITAL OPERATION

WVIA-FM, CHANNEL 210, SCRANTON, PA; FACILITY ID NO. 49436

2010 AUG 17 P 2:23
Received & Inspected
AUG 17 2010
FCC Mail Room

The applicant here notifies the Federal Communications Commission of consummation of operation of FM IBOC at the –14 dBc Level.

1. Operation using FM IBOC at the –14 dBc level began on 8/2/2010.

2. The applicant certifies that, with the exception of the increased digital signal ERP, the IBOC facilities conform to the Ibiquity specifications and the technical specifications set forth in Appendix B of the First Report and Order in MM Docket No. 99-325.

3. In the event of interference, which is not anticipated, the technical contact person is Joe Glynn. He can be reached at 570-602-1170.

4. The system is combined with the analog transmitter power at 7,700 watts; the digital transmitter power at 307 watts (-14 dBc), and the combined transmitter output power of 8,007 watts.

5. The Effective Radiated Power (ERP) of this system is as follows: the analog ERP is 7,400 watts; the digital ERP is 295 watts (-14 dBc), and the combined ERP is 7,695 watts.

6. The applicant certifies that this notified operation will not cause human exposure to levels of RFR in excess of the limits in Section 1.1310 of the FCC Rules and is therefore categorically excluded from environmental processing pursuant to Section 1.1306(b) of the Commission's Rules. See attachment for more RFR information.

It should be noted that this Licensee, Northeastern Pennsylvania Educational Television, and all parties to this application, certify that they are not subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. at 853a.

Respectfully Submitted,

A. William Kelly
President and CEO Northeastern Pennsylvania
Educational Television, Licensee of WVIA-FM

RADIOFREQUENCY RADIATION ASSESSMENT

This exhibit has been included to address the issue of allowable radiofrequency radiation levels (RFR). The WVIA-FM antenna would conform to the FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." Included as an attachment to this exhibit is a printout of the RFR Radiation Hazard Formula. The input values located on this program are for the current WVIA-FM antenna with the addition of the digital component of HD Radio. The type of antenna currently in use at WVIA-FM is an ERI 1183-2CP-DA-SP 2 Bay Panel Antenna. The results from this printout show that the WVIA-FM antenna would have a predicted power density value at ground level of 0.0018689 mW per square cm. The maximum power density guideline is 0.2 mW per square cm and five percent of this value is 0.01 mW per square cm. Pursuant to Section 1.1307(b) of the Commission's Rules, the power density contributions of co-located and nearby stations are not required to be calculated as the power density contribution is 0.0018689 mW per square cm (for the WVIA-FM antenna), which is less than five percent of the maximum power density guideline value of 0.2 mW per square cm, the FCC maximum permissible uncontrolled/general population RF exposure guideline.

In addition to showing that the WVIA-FM antenna meets the new OET bulletin No. 65 guidelines for a safe center of radiation, it should be noted that the transmitting tower is appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction of power or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic fields will not exceed the FCC guidelines. All of this information demonstrates that this digital hybrid operation conforms to the new FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."

RADIOFREQUENCY RADIATION ASSESSMENT

This exhibit has been included to address the issue of allowable radiofrequency radiation levels (RFR). The proposed WVIA-FM antenna would conform to the FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." Included as Subpart 1 of this exhibit is a printout showing the FCC's Power Density Program from the FCC's own website. The input values located on this program are for the proposed WVIA-FM antenna. The type of antenna ("worst case") and the number of antenna bays to be used for the proposed facility (and listed in subpart 1) are the ones proposed for use in this application. The results from this printout show that the proposed WVIA-FM antenna would have a predicted power density value at ground level of 0.0043 mW per square cm. The maximum power density guideline is 0.2 mW per square cm and five percent of this value is 0.01 mW per square cm. Pursuant to Section 1.1307(b) of the Commission's Rules, the power density contributions of co-located and nearby stations are not required to be calculated as the proposed power density contribution is 0.0043 mW per square cm (for this proposed WVIA-FM antenna), less than five percent of the maximum power density guideline value of 0.2 mW per square cm, the FCC maximum permissible uncontrolled/general population RF exposure guideline.

In addition to showing that this proposed new antenna meets the new OET bulletin No. 65 guidelines for a safe center of radiation, it should be noted that the transmitting tower is appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction of power or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic fields will not exceed the FCC guidelines. All of this information demonstrates that this application conforms to the new FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."