

Received & Inspected
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FCC Mail Room

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Notification of WCBU IBOC Power Increase

NCE Station WCBU (FM), Peoria, IL
Facility ID: 6610 - FRN: 0002818680

In accordance with MM Docket No. 99-325 issued January 29, 2010, Bradley University, licensee of noncommercial educational station WCBU-FM, Peoria Illinois requests operation at increased digital carrier power levels.

The licensee began to transmit digital carrier power levels of -17 dBc (or 2 percent) relative to the station's licensed ERP of 26.5 kW ERP (analog) as of August 2, 2010.

The technical contact at WCBU-FM in the event of interference problems shall be William Porter, Chief Engineer at (309)677-4920 [email: bporter@bradley.edu].

Operation as proposed shall be with an existing low level combined carrier transmitter, transmission line and antenna system. Technical details are given below.

The transmitter output shall be:

9.67 kW analog carrier 193 Watts digital carrier

Total efficiency of transmission line system:

83 percent (0.83 efficiency)

Antenna system gain:

3.3 (G)

Radiated power of carriers:

26.5 kW ERP analog 529 Watts ERP digital

The licensee certifies that digital operation as proposed shall comply with the technical specifications within Appendix B of MM Docket No. 99-325.

The licensee certifies that digital operation as proposed shall comply with the limits for human radiation exposure set in Section 1.1310 of the FCC Rules.

Thank you for your attention to this matter.

Sincerely,



Bill Porter
Chief Engineer, WCBU-FM

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