

MINOR CHANGE APPLICATION
PARTNERSHIP RADIO, LLC
WUBU (FM) RADIO STATION
CH 292A - 106.3 MHZ - 2.2 kW
SOUTH BEND, INDIANA
December 2015

EXHIBIT C

Radio Frequency Radiation Study

A study was undertaken to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.¹

The proposed WUBU antenna will be mounted 152.5 meters above ground level and operate with an effective radiated power of 2.2 kilowatts in the horizontal and vertical planes (circularly polarized). At the controlled access point at the base of the tower, 2.0 meters above the ground, the height of an average person, the WUBU antenna will contribute 0.0039 mw. This level of signal falls 40.5 meters from the tower base and is considered worst case. Based on exposure limitations for a controlled environment, less than 1.0% of the allowable ANSI limit is reached at 2.0 meters above the ground at the access point. For uncontrolled environments, 2.0% of the ANSI limit is reached at 2.0 meters above the ground.

Since this level for uncontrolled environments is below the 5.0% limit defined by the Commission, the proposed WUBU facility is believed to be in compliance with the radio

1) The contributions of the FM stations were calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations unless otherwise noted.

frequency radiation exposure limits as is required by the Federal Communications Commission. Further, Partnership Radio will post warning signs in the vicinity of the tower and at the gated access point warning of potential radio frequency radiation hazards at the site. In addition, Partnership Radio will reduce the power of the proposed facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines. Based on the above factors, this proposal is categorically excluded from environmental processing pursuant to §1.1306 of the Commission's rules.