

NONIONIZING RADIATION COMPLIANCE

WLGN, Inc.

WLGN Inc. has conducted an engineering statement regarding non-ionizing radiation exposure issues associated with the environmental effects certification on the FCC Form 303-S for the license renewal applications for the following station:

Station	Facility ID #	Community of License	Application File #
WKNA	38270	Logan, OH	BLH-20081010AAY

There has been a material change to the environment due to minor modification to W277CX co-located on the tower with WKNA.

THERE ARE PROPOSED TO BE TWO CONTINUOUSLY TRANSMITTING VHF FACILITIES ON THE TOWER. PROPOSED, CHANNEL 277, 0.250 KW (H&V), NICOM BKG77 ANTENNA (DOUBLE V), 110 M RCAGL WKNA, CHANNEL 252, 6 KW (H&V), ERI, FML-2E ANTENNA (ROTOTILLER), 120 M RCAGL

THE ANTENNA PROPOSED IN THE INSTANT APPLICATION IS TO BE LOCATED ON AN EXISTING COMMUNICATIONS TOWER OR STRUCTURE WITH THE EQUIPMENT TO BE LOCATED IN AN EXISTING COMMUNICATIONS SHELTER. USING THE FCC COMPUTER PROGRAM FM MODEL FOR THE FACILITY PROPOSED, THE MAXIMUM NON-IONIZING RF RADIATION LEVEL PREDUCTED TO OCCUR 2 METERS ABOVE THE GROUND (TO ACCOUNT FOR AVERAGE HUMAN HEAD HEIGHT) IS 0.294 MICROWATTS PER CENTIMETER SQUARED.

THE WKNA, LOGAN, OH MAIN ANTENNA IS LOCATED ON AN EXISTING COMMUNICATIONS TOWER WITH THE EQUIPMENT LOCATED IN AN EXISTING COMMUNICATIONS SHELTER. USING THE FCC COMPUTER PROGRAM FM MODEL, FOR THE LICENSED WKNA PARAMETERS, THE MAXIMUM NON-IONIZING RF RADIATION LEVEL PREDUCTED TO OCCUR 2 METERS ABOVE THE GROUND (TO ACCOUNT FOR AVERAGE HUMAN HEAD HEIGHT) IS 4.135 MICROWATTS PER CENTIMETER SQUARED.

SO THE MAXIMUM CUMULATIVE TOTAL RF RADIATION FIGURE IS 4.429 MICRO WATTS PER CENTIMETER SQUARED. THIS IS CLEARLY BELOW BOTH THE OCCUPATIONAL AND GENERAL PUBLIC LIMITS SET FORTH IN OET BULLETIN 65. THEREFORE, THE INSTANT APPLICATION IS CATEGORICALLY EXCLUDED FROM ENVIRONMENTAL PROCESSING.

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