

THIS RADIOFREQUENCY RADIATION STUDY IS BEING CONDUCTED TO DETERMINE WHETHER THIS W240BC APPLICATION IS IN COMPLIANCE WITH OET BULLETIN 65 DATED AUGUST 1997 REGARDING HUMAN EXPOSURE TO RADIOFREQUENCY RADIATION IN THE VICINITY OF BROADCAST TOWERS.

THE TOWER THAT THE FM TRANSLATOR ANTENNA WILL BE HOUSED IS CO-LOCATED WITH WSGC (AM). WSGC (AM) TOWER HAS AN ELECTRICAL HEIGHT OF 76.9 DEGREES AT THE LICENSED FREQUENCY OF 1400 KHZ. THE PROTECTIVE FENCES AROUND THE BASE OF THE RADIATORS RESTRICT THE PUBLIC TO A DISTANCE OF NO LESS THAN 5.0 FEET OR 1.5 METERS TO THE TOWER BASE.

OET BULLETIN 65, FOR 0.25 WAVELENGTH ANTENNAS, REQUIRES STATIONS ON 1400 KHZ TO LIMIT ACCESS TO NO CLOSER THAN 1 METER FOR 1.0 KW STATIONS. WSGC (AM) IS 1.0 KW AND ACCESS IS LIMITED TO 1.5 METERS, THEREFORE THE PROTECTIVE REQUIREMENTS OF THE AM SECTION OF THIS BULLETIN ARE SURPASSED.

THE FM ANTENNA SYSTEM WILL BE MOUNTED WITH ITS CENTER OF RADIATION 44.8 METERS ABOVE GROUND LEVEL AND OPERATES WITH A HORIZONTAL AND VERTICAL POWER OF 0.019 KW. THE FENCE SURROUNDING THE TOWER IS 1.5 METERS FROM THE BASE OF THE TOWER. AT THE FENCE, THE PROPOSED NCE WILL CONTRIBUTE WORST CASE, 0.631 MICROWATTS PER SQUARE CM OR 0.3 % OF THE ALLOWABLE ANSI LIMIT. THIS CALCULATION WAS MADE IN THE UNCONTROLLED MODE. IT IS ALSO BELIEVED THE REQUIREMENTS OF THE FM SECTION OF THE OET BULLETIN 65 ARE MET.

FURTHER, THE APPLICANT WILL POST WARNING SIGNS IN THE VICINITY OF THE TOWER WARNING OF POTENTIAL RADIOFREQUENCY RADIATION HAZARDS AT THE SITE. IN ADDITION, THE APPLICANT WILL REDUCE THE POWER OF THE PROPOSED FACILITY OR CEASE OPERATION, AS NECESSARY, TO PROTECT PERSONS HAVING ACCESS TO THE SITE, TOWER OR ANTENNA FROM RADIOFREQUENCY IN EXCESS OF FCC GUIDELINES.

REGARDING COMPLIANCE WITH THE NATIONWIDE PROGRAMMATIC AGREEMENT, AN FM ANTENNA AND FEED LINE ARE BEING ADDED TO AN EXISTING TOWER. COMPLIANCE IS BELIEVED TO BE NOT NECESSARY WHERE NO NEW TOWER IS BEING CONSTRUCTED. HOWEVER, SHOULD THE COMMISSION DEEM COMPLIANCE TO BE NECESSARY, UPON NOTIFICATION OF THE APPLICANT; THE APPLICANT WILL COMPLY WITH THE NATIONWIDE PROGRAMMATIC AGREEMENT.