

MINOR CHANGE LONG FORM APPLICATION
MILLER COMMUNICATIONS, INC.
NEW FM TRANSLATOR STATION
CH 254D - 98.7 MHZ - 0.25 KW DA
ORANGEBURG, SOUTH CAROLINA
August 2013

EXHIBIT D

Radio Frequency Assessment

A study has been made 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 stations and utilizes the appropriate formulas contained in the OET Bulletin.

The proposed new FM translator's antenna will be mounted with its center of radiation 105.2 meters (345 feet) above the ground and will operate with an effective radiated power of 0.25 kilowatt in the horizontal and vertical planes (circularly polarized). At 2.0 meters above the base of the tower, the height of an average person, the new FM translator's antenna system will contribute 0.000944 mw/cm^2 .¹ Based on exposure limitations for a controlled environment (1.0 mw/cm^2), less than 0.1% of the allowable limit is reached at 2.0 meters above the ground at the base of the tower. Based on exposure limitations for an uncontrolled environment (0.2 mw/cm^2), less than 1.0% of the allowable limit is reached at the base of the tower.

1) This level of field occurs at 28.0 meters out from the base of the tower and is considered worst case.

Since this level for controlled and uncontrolled environments is less than the 5.0% of the maximum limit defined in §1.1307(b)(3)(i) of the Commission's rules, the proposed new FM translator's antenna system is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, Miller will verify that warning signs are posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Miller will reduce the power of the 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