

RADIOFREQUENCY RADIATION ASSESSMENT

This exhibit has been included to address the issue of allowable radiofrequency radiation levels (RFR). The Proposed WMTT 94.7 MHz auxiliary antenna would conform to the FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." It first should be noted that the Proposed WMTT 94.7 MHz auxiliary is a standalone FM, except for the main WMTT antenna, there are no AM, FM, or TV stations within 1 kilometer of this proposal. The main WMTT 94.7 antenna is located at the same site as this proposal. At any time this proposed auxiliary antenna is operated the main antenna will not be operated thus it does not need to be factored into the calculation. Also, there are no other stations of any type that would be required to be factored into the RFR calculations. Included as Subpart 1 of this attachment is a printout showing the FCC's Power Density Program from the FCC's own website. The input values located on this program are for the Proposed WMTT 94.7 MHz auxiliary antenna. The type of antenna indicated in Subpart 1 and the one to be used for Proposed WMTT 94.7 MHz auxiliary is a two bay full wave spaced "ERI or Jampro JBCP 'Rototiller'" circularly polarized antenna. The results from this printout show that the Proposed WMTT 94.7 MHz auxiliary antenna would have a predicted power density value at ground level of 0.122 mW per square cm which is lower than 0.2 mW per square cm, the maximum allowable level of RF radiation, which conforms to the FCC maximum permissible uncontrolled/general population RF exposure guidelines.

In addition to showing that the Proposed WMTT 94.7 MHz auxiliary antenna meets the new OET bulletin No. 65 guidelines for a safe center of radiation, it should be noted that the transmitting tower is appropriately marked with warning signs. When it becomes necessary for workers to ascend the tower, appropriate measures, such as reduction of power or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency electromagnetic fields will not exceed the FCC guidelines. All of this information demonstrates that this application conforms to the new FCC guidelines with respect to OET Bulletin No. 65 (Edition 97-01, August 1997), "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."