

## RADIO FREQUENCY RADIATION ASSESSMENT

This radio frequency radiation assessment has been included to address the issue of allowable radio frequency radiation levels (RFR). W298CR conforms to 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." Included as Exhibit RFR, Subpart 1 is a printout showing the FCC's OET Bulletin No. 65 Power Density Formula. The input values located on Subpart 1 of this exhibit are for W298CR. The type of antenna indicated in Subpart 1 is a CA2-FM Slant 45 FM Antenna. The Relative Field Factor Downward (F) was supplied by Scala for this particular antenna. The results show that W298CR contributes 0.00153323 mW per square cm, which is 0.77% of the allowable maximum power density guideline of 0.2 mW per square cm for FM frequencies. The maximum power density guideline is 0.2 mW per square cm and five percent of this value is 0.01 mW per square cm. Pursuant to Section 1.1307(b) of the FCC's Rules, the power density contributions of co-located and nearby broadcast stations are not required to be calculated as W298CR 107.5's power density contribution is 0.00153323 mW per square cm, less than five percent of the maximum power density guideline value of 0.2 mW per square cm, the FCC maximum permissible uncontrolled/general population RF exposure guideline.

In addition to showing that this proposed W226AP Digital Antenna meets the new OET bulletin No. 65 guidelines for a safe center of radiation, it should be noted that the transmitting tower will be 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 thus proves

conclusively 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."