

## Radio Frequency Radiation Study and Statement

The facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The KRVK(FM) antenna system will be a 12 section full-wave spaced EPA type 2 antenna, mounted with its center of radiation 50 meters above ground level, and will operate with an effective radiated power of 22.0 kilowatts in both the horizontal and vertical planes. At two meters, the height of an average person, at the tower base, this proposal will contribute, worst case, 41.0 microwatts per square centimeter, or 4.1% of the allowable ANSI limit for controlled exposure, and 20.6% of the allowable limit for uncontrolled exposure. Table below indicates arithmetical sums of radio frequency radiation by each know broadcast user of this antenna support structure. The sums in this table show uncontrolled exposure of less than 60% of the applicable limit.

	ERP	Exposure Power Density	Exposure Uncontrolled	Exposure Controlled
	Kw	uW/sq cm	%	%
KRVK	22	41.1	20.6	4.1
KMGW	2.9	3.6	1.8	.36
KTRS	18	15.6	7.8	1.6
KWYY	100	59	29.5	5.9
Sums	143	119.3	59.7	7.86

It is therefore believed that regardless of the contribution of other users of the antenna, this proposal is in compliance with OST Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant has posted warning signs in the vicinity of the tower, warning of potential radio frequency hazards at the site. The applicant will cooperate with other users of the tower to reduce power of the facility, or shut down the emitter, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.