

Radio Frequency Radiation Study and Statement

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

Stations KWYY, KRVK, KMGW and KTRS will all broadcast from this one tower, utilizing 2 antennas. Each antenna will be a Dielectric DCRM type antennas, the KWYY and KRVK antenna will consist of 10 bays spaced 100 inches apart, the KMGW and KTRS antenna will consist of 6 bays spaced 108 inches apart. Figure 1 below presents the results of analysis using “FM Model” of the proposed site. No one frequency has a field intensity greater than 4.48% of the uncontrolled limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, 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.

Figure 1.

FM Model Version 2.10 Results	Call	Freq. MHZ	Wave- Length of Bay Spacing	ERP H&V kw	Distance in Meters to Maximum Predicted Field	Field Intensity in Microwatts per Square Centimeter	Percent of Controlled Exposure Limit	Percent of Uncontrolled Exposure Limit
DCRM 10 bay 100 inch Spaced Bays 110 M AGL	KWYY	95.5	0.81	100	80	1.76	0.18%	0.88%
	KRVK	108	0.91	100	42	3.74	0.37%	1.87%
DCRM 6 bay 108 inch Spaced Bays 79 M AGL	KMGW	96.7	0.88	2.6	46	0.357	0.04%	0.18%
	KTRS	105	0.96	18	22	8.96	0.90%	4.48%