

Radiofrequency Radiation (RFR) Statement of Compliance

As discussed below, the subject station's predicted power density contribution at the multiple-use site is not considered significant and does not require consideration.

As shown on the vertical elevation pattern submitted elsewhere in this application, the relative field of the proposed antenna does not exceed a value of 0.093 at any downward direction greater than 10 degrees below the horizontal. Therefore, considering this worst-case downward relative field, the subject station is predicted to produce a maximum power density of only 1.437 microwatts per square centimeter toward a distance which is 493 meters from the tower base. This represents only 0.72% of the FCC Guideline value of 200 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limit, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

KUID-TV

Channel 12 - Moscow Idaho

ERP = 78000.00 WATTS

APPENDIX A

Maximum ERP 78 kW

Polarization ----- 1.33 Elliptical
Antenna Height Above Ground -- 89 meters 292.0 feet
FCC Uncontrolled RFR Limit ---- 200 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 1.437 $\mu\text{W}/\text{cm}^2$
0.72% of limit

Angle Below Horizontal (degrees)	<Point X> Horiz Distance from tower to 2 m AGL (meters)	Slant Distance from antenna to Point X (meters)	Vertical Pattern (REL. FIELD)	KUID-TV ERP (kW)	KUID-TV Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
1			0.983	75.3705			
5	994.4	998.2	0.136	1.4427	0.064	0.03%	No
10	493.4	501.0	0.093	0.6746	0.119	0.06%	No
15	324.7	336.1	0.071	0.3932	0.155	0.08%	No
20	239.0	254.4	0.047	0.1723	0.118	0.06%	No
25	186.6	205.9	0.018	0.0253	0.026	0.01%	No
30	150.7	174.0	0.024	0.0449	0.066	0.03%	No
35	124.2	151.7	0.052	0.2109	0.407	0.20%	No
40	103.7	135.3	0.060	0.2808	0.681	0.34%	No
45	87.0	123.0	0.042	0.1376	0.404	0.20%	No
50	73.0	113.6	0.027	0.0569	0.196	0.10%	No
55	60.9	106.2	0.038	0.1126	0.444	0.22%	No
60	50.2	100.5	0.038	0.1126	0.496	0.25%	No
65	40.6	96.0	0.031	0.0750	0.361	0.18%	No
70	31.7	92.6	0.032	0.0799	0.414	0.21%	No
75	23.3	90.1	0.058	0.2624	1.437	0.72%	No
80	15.3	88.3	0.051	0.2029	1.155	0.58%	No
85	7.6	87.3	0.027	0.0569	0.331	0.17%	No
90	0.0	87.0	0.000	0.0000	0.000	0.00%	No

