

**RF RADIATION CALCULATIONS
IN ACCORDANCE WITH OET BULLETIN 65**

**WHA-DTV SITE
MADISON, WISCONSIN**

April 2002

Site Coordinates: N 43°-03'-21"; W 89°-32'-06"

Station	Frequency (MHz)	ERP (KW) (Visual for TV)	Antenna Height AGL(m)	Power Density (mW/cm²)	% FCC Public Exposure Max.
WMSN-DT	201	15	430	0.000109	0.05
WISC-TV	63	24*	426	0.000178	0.09
WISC-DT	689	603	423	0.004547	0.99
WKOW-TV	551	2400	412	0.009540	2.60
WKOW-DT	545	400	412	0.003180	0.88
WHA-TV	515	870	411	0.003475	1.01
WMSN-TV	671	1150	407	0.004685	1.05
Prop WHA-DT Aux	509	124	365	0.001258	0.37
WERN(FM)	88.7	20.5*	343	0.011780	5.89
WIBA-FM	101.5	12*	266	0.011505	5.75
TOTAL					18.68

* Circularly polarized

Notes: The aural ERP for the analog TV stations was assumed to be 10% of visual. A downward radiated field of 20% was used for all TV stations.