



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

**TOWER COORDINATES: 43°-05'-46"; 87°-54'-15"**  
**ASR No. 1057482**  
**MILWAUKEE, WISCONSIN**

**April, 2005**

Station	Frequency (MHz)	ERP (KW) (Visual for TV)	Antenna Height AGL(m)	Power Density (mW/cm <sup>2</sup> )	% FCC Public Exposure Max.
WMVS-DT	183	25	362	0.000258	0.13
WPXE-DT	629	830	366	0.008372	2.00
WCGV-DT(CP)	539	625	346	0.007058	1.96
WMVS(TV)	195	223	347	0.001252	0.63
WVTV(TV)	497	5000	324	0.027707	8.36
WMVT-DT(CP)	599	500	364	0.005099	1.28
WMVT-TV(CP)	605	4790	348	0.026736	6.63
WVTV-DT(CP)	755	850	308	0.012131	2.41
WVCY-DT(APP)	521	196	294	0.003072	0.88
WKLH(FM)	96.5	20*	263	0.015674	7.84
WLUM-FM	102.1	20*	249	0.017168	8.58
WXSS(FM)	103.7	19.5*	274	0.014337	7.17
WJZI(FM)(APP)	93.3	16*	277	0.014137	7.07
WMIL-FM(APP)	106.1	12*	312	0.008344	4.17
BNPFT- 20030317HNT	99.9	0.023*	43	0.000914	0.46
BNPFT- 20030317LFO	104.5	0.035*	43	0.001391	0.70
<b>TOTAL</b>					<b>60.27</b>

\* Circularly polarized

Notes:

The power densities were calculated at a point two meters above ground at the base of the tower, using Equation (9) or (10) of OET Bulletin 65, or Equation (2) of Supplement A of OET 65. All broadcast radiators within 350 meters horizontal distance are included above.

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 and DTV stations.

WVTV(TV), WKLH, WLUM-FM and WXSS are on an adjacent tower 130 meters from the subject tower.