

## RF Exposure Calculations - WHLA-DT Site

<u>Station</u>	<u>Service</u>	<u>Freq.</u> <u>(MHz)</u>	<u>ERP</u> <u>(KW)</u>	<u>Dist. From</u> <u>Prop. (m)</u>	<u>Ant. Type</u>	<u>Vertical</u> <u>Downward</u> <u>Angle to</u> <u>Site (deg)</u>	<u>Ant. Ht</u> <u>AMSL</u> <u>(m)</u>	<u>Relative</u> <u>Field</u>	<u>RF</u> <u>Exposure</u> <u>OET 65</u> <u>(mW/cm²)</u>	<u>% of</u> <u>Maximum</u> <u>Public RF</u> <u>Exposure</u>
Prop. WHLA-DT	DTV	569	307.5	0	Andrew ATW25H5H	90.0	615	0.20	0.00708	1.87
WXOW-DT (CP)	DTV	473	1000	205	Dielectric TFU- 22DSC-R03	47.0	594	0.20	0.01478	4.69
WXOW-TV	TV	503	631	205	RCA TFU-30JA	49.6	615	0.20	0.00421	1.26
W60CI (AP)	TV	515	96	0		90.0	601	0.20	0.00124	0.36
WHLA-TV	TV	575	1170	0		90.0	616	0.20	0.01335	3.48
W44BF	TV	653	7.31	269		24.0	494	1.00	0.00141	0.32
WLSU (CP)*	FM	88.9	16.4	0	Shively 6810 3-bay (EPA Type 6)		546		0.00179	0.90
WHLA *	FM	90.3	200	0	Dielectric DCRM 12-bay (EPA Type 5)		574		0.01851	9.26
KXLC	FM	91.1	0.46	269			522	1.00	0.00016	0.08
WIZM-FM*	FM	93.3	200	191	10-bay EPA Type 1		579		0.00072	0.36
New - Radio Assist Ministry, Inc. (AP)	FM xlator	97.9	0.020	0			602	1.00	0.00001	0.01
New - Sparta Tomah Bcg. Co. (AP)	FM xlator	104.1	0.198	0			418	1.00	0.00342	1.71
New - Radio Assist Ministry, Inc. (AP)	FM xlator	105.9	0.020	0			602	1.00	0.00001	0.01
New - Evangel Ministries, Inc. (AP)	FM xlator	107.1	0.100	0			418	1.00	0.00173	0.86
<b>TOTAL</b>										<b>25.15</b>
* For TV facilities (not DTV), aural ERP assumed to be 10% of visual.										
* For FM facilities, the listed ERP is the sum of the ERP's in the horizontal and vertical planes.										
* For FM facilities indicated by '*', OET's FM Model software was used to calculated RF Exposure.										
* WHLA-DT site elevation at ground level is 372 meters AMSL.										