

RF Exposure Calculations - WHWC - DT

<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. WHWC-DT	DTV	551	291	0	Andrew ATW25H5H	90.0	655	0.20	0.00310	0.84
WHWC-TV	TV	557	1170	0		90.0	655	0.20	0.00624	1.68
WHWC *	FM	88.3	142	0			625	1.00	0.04519	22.60
TOTAL										25.12
* 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.										
* WHWC-DT site elevation at ground level is 299 meters AMSL.										