

APPENDIX A

SUMMARY OF RADIOFREQUENCY RADIATION STUDY WUXP-DT, NASHVILLE, TENNESSEE CHANNEL 21, 1000 kW (MAX), 413 m HAAT MAY, 2001

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT **</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>PREDICTED POWER DENSITY (mW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
WUXP-DT	DT	21	515	H	350	1000.000	0.300	0.02454	0.343	7.15%
WUXP-TV	TV	30	569	H	369	5000.000	0.300	0.05521	0.379	14.55%
WZTV-TV	TV	17	491	H	366	3248.000	0.300	0.03645	0.327	11.14%
WZTV-DT	DT	15	479	H	348	1000.000	0.300	0.02482	0.319	7.77%
WNAB-DT	DT	23	527	H	365	350.000	0.300	0.00790	0.351	2.25%
WNPX-DT	DT	36	605	H	367	733.000	0.300	0.01636	0.403	4.06%
WPGD-DT	DT	51	695	H	365	175.000	0.300	0.00395	0.463	0.85%
WMAK	FM	242	96.3	H & V	370	38.500	1.000	0.01879	0.200	9.40%
WRVW	FM	298	107.5	H & V	315	58.000	1.000	0.03906	0.200	19.53%

TOTAL PERCENTAGE OF ANSI VALUE= 76.69%

*** The antenna heights indicated above are 2 meters less than the actual antenna heights so that the predicted power densities consider the 2 meter human height allowance.*

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