

APPENDIX A

**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**
WTTE-DT, Columbus, Ohio
CHANNEL 36, 1000 kW (MAX), 271 m HAAT
October, 2001

| <u>CALL</u> | <u>SERVICE</u> | <u>CHANNEL</u> | <u>FREQUENCY</u> | <u>POLARIZATION</u> | <u>ANTENNA HEIGHT ** AGL</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> |
|-------------|----------------|----------------|------------------|---------------------|--------------------------------------|---------------------|--|--|---|--|
| WTTE-DT | DT | 36 | 605 | H | 288 | 1000.000 | 0.300 | 0.03624 | 0.403 | 8.99% |
| WTTE-TV | TV | 28 | 557 | H | 284 | 1220.000 | 0.300 | 0.02274 | 0.371 | 6.12% |
| WSYX-TV | TV | 6 | 85 | H | 303 | 100.000 | 0.300 | 0.00164 | 0.200 | 0.82% |
| WSYX-DT | DT | 13 | 213 | H | 303 | 59.000 | 0.300 | 0.00193 | 0.200 | 0.97% |
| W201AK | FM | 201 | 88.1 | H + V | 281 | 0.010 | 1.000 | 0.00000 | 0.200 | 0.00% |
| WUFM | FM | 204 | 88.7 | H + V | 253 | 5.000 | 1.000 | 0.00261 | 0.200 | 1.30% |
| WOSU-FM | FM | 209 | 89.7 | H + V | 303 | 13.500 | 1.000 | 0.00491 | 0.200 | 2.46% |

TOTAL PERCENTAGE OF ANSI VALUE= 20.66%

*** 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.*