

RF HAZARD STATEMENT

TELEVISION STATION WXIN(TV)
INDIANAPOLIS, INDIANA
CHANNEL 22 1000 KW (H), 250 KW (V) 304 M HAAT

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed WXIN(TV) facility, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards.* Power density calculations were conducted at 2-m above ground† based on the following conservative assumptions, with the following results:

Radial Distance from Base of Tower Structure (m)	Angle from Horizontal (deg)	Antenna Downward Relative Field Factor	Distance From Transmitting Antenna (m)	Calculated Power Density (uW/cm ²)	Percent of General Population / Uncontrolled MPE (%)
0	90.00	0.010	304.00	0.0452	0.0
20	86.24	0.012	304.66	0.0648	0.0
40	82.50	0.012	306.62	0.0639	0.0
60	78.84	0.011	309.86	0.0526	0.0
80	75.26	0.015	314.35	0.0951	0.0
100	71.79	0.018	320.02	0.1321	0.0
120	68.46	0.015	326.83	0.0879	0.0
140	65.27	0.013	334.69	0.0630	0.0
160	62.24	0.036	343.53	0.4585	0.1
180	59.37	0.042	353.29	0.5900	0.2
200	56.66	0.062	363.89	1.2120	0.3
220	54.11	0.240	375.25	17.0776	4.9
240	51.71	0.220	387.32	13.4699	3.9
260	49.46	0.095	400.02	2.3547	0.7
280	47.35	0.058	413.30	0.8222	0.2
300	45.38	0.019	427.10	0.0826	0.0
400	37.23	0.019	502.41	0.0597	0.0
500	31.30	0.005	585.16	0.0030	0.0

* See Section 1.1310 of the FCC Rules and Regulations.

† The radiation center height above ground is 306 m.

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600	26.87	0.055	672.62	0.2792	0.1
700	23.47	0.320	763.16	7.3405	2.1
800	20.81	0.195	855.81	2.1675	0.6
900	18.66	0.060	949.96	0.1666	0.0

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 4.9% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

The licensee, in coordination with the other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.