

**SUMMARY OF RADIOFREQUENCY
RADIATION STUDY**
WILQ(FM) STA WILLIAMSPORT, PENNSYLVANIA
CHANNEL 286, 0.42 kW, 373 m HAAT
JULY, 2006

<u>CALL</u>	<u>SERVICE</u>	<u>CHANNEL</u>	<u>FREQUENCY</u>	<u>POLARIZATION</u>	<u>ANTENNA HEIGHT **</u>	<u>SLANT DIST TO SUBJECT TOWER</u>	<u>ERP (kW)</u>	<u>VERT. RELATIVE FIELD FACTOR</u>	<u>WORST-CASE PREDICTED POWER DENSITY (mW/cm²)</u>	<u>FCC UNCONTROLLED LIMIT (mW/cm²)</u>	<u>PERCENT OF UNCONTROLLED LIMIT</u>
-- Stations co-located with STA (dist = 0 meters)											
			Ground Elevation =	603	meters						
WILQSTA	FM	286	105.1	H & V	20	N/A	0.420	1.000	0.07016	0.200	35.08%
WBZDFM	FM	227	93.3	H & V	19	N/A	1.700	*	0.02798	0.200	13.99%
WZXR	FM	257	99.3	H & V	24	N/A	0.410	*	0.00423	0.200	2.11%
-- Stations within 315 meters of WKXW -- Distance = 170 meters											
			Ground Elevation =	611	meters						
W212BJ	FM	212	90.3	H & V	17	172	0.007	1.000	0.00002	0.200	0.01%
-- Stations within 315 meters of WKXW -- Distance = 95 meters											
			Ground Elevation =	604	meters						
WRVH	FM	300	107.9	H & V	42	103	0.360	1.000	0.00225	0.200	1.12%
TOTAL PERCENTAGE OF ANSI VALUE=											51.19%

* Power Density predicted using FCC's FM Model Program considering each station's ERI, 2-bay, one-half wavelength spaced antenna.

** For co-located stations, the Antenna Height indicated above considers this ground elevation minus 2 meters for the human height allowance.

note: For stations not co-located with the subject station, the slant distance to 2 meters above the subject tower base was used to compute the predicted power density.