

WPRS(AM) / WIBQ(FM) – Paris, IL

Vertical Plan of Antenna System

The site is located at 12861 IL Highway 133,
the city of Paris, Edgar County, Illinois

Site Location (NAD 27)

NL: 39° 36' 20"

WL: 87° 43' 32"

(39-36-19.7 N; 87-43-31.6 W NAD 1983)

Antenna and Ground System Wording: The antenna and ground system consists of a shunt fed three wire folded unipole skirt mounted on grounded, vertical, guyed, uniform cross-section steel tower 148.5 m (256.8°) in height (149.4 m Overall) with a six bay FM antenna and various other communications antennas side mounted near the top. Theoretical Efficiency: 408.77 mV/m/kW at 1 km; Restricted to 320.26 mV/m/kW at 1 km by means of the previously licensed detuning skirt. The ground system consists of 120 equally spaced, buried copper radials between 54.9 m and 57.9 m in length, plus a 7.32 m by 7.32 m ground screen.

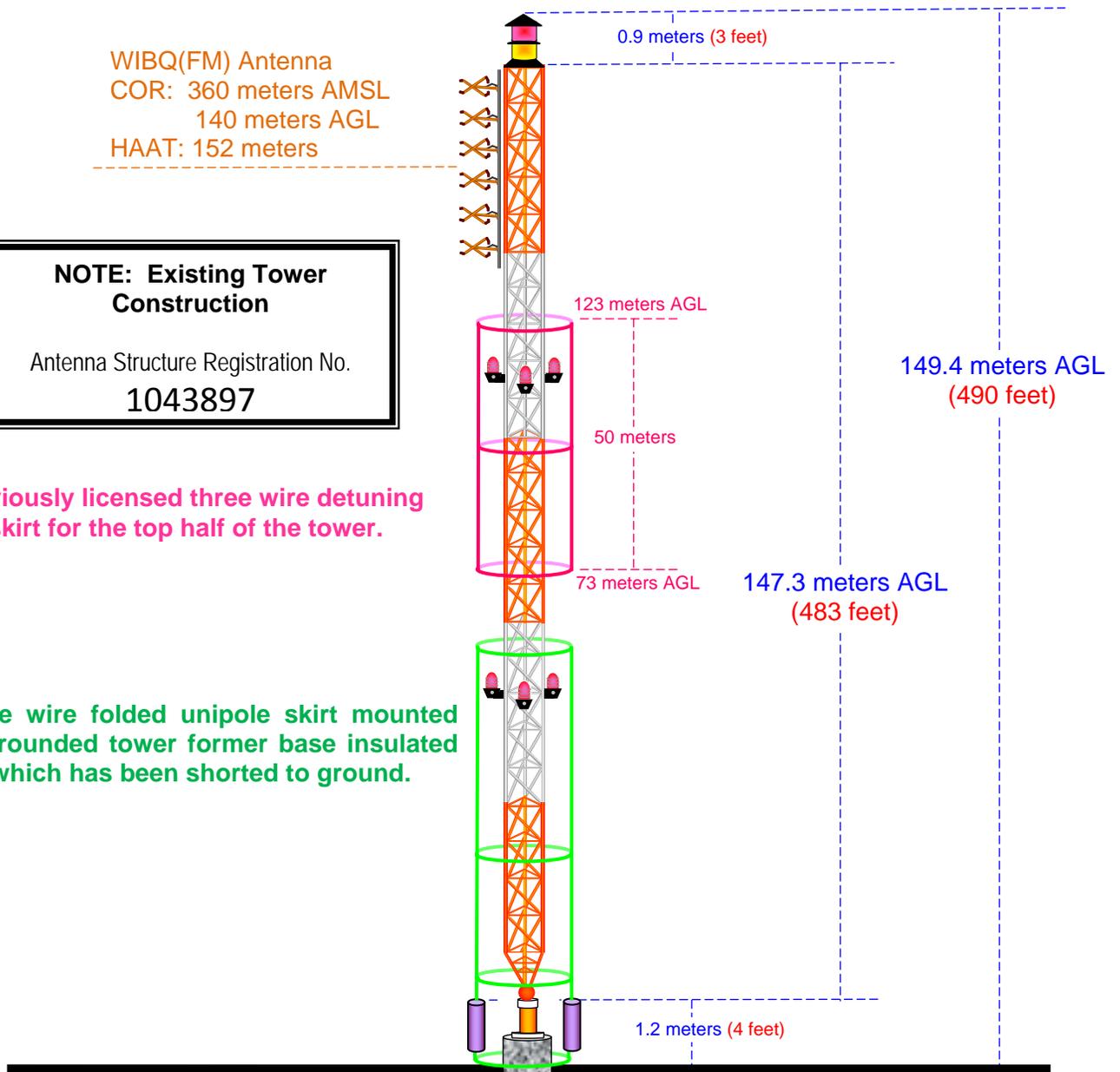
370.4 meters AMSL (1215 feet)

WIBQ(FM) Antenna
COR: 360 meters AMSL
140 meters AGL
HAAT: 152 meters

NOTE: Existing Tower Construction
Antenna Structure Registration No.
1043897

Previously licensed three wire detuning skirt for the top half of the tower.

Three wire folded unipole skirt mounted on a grounded tower former base insulated tower which has been shorted to ground.



Ground Elevation = 221.0 m AMSL (725 feet)

Drawing is not to Scale

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