

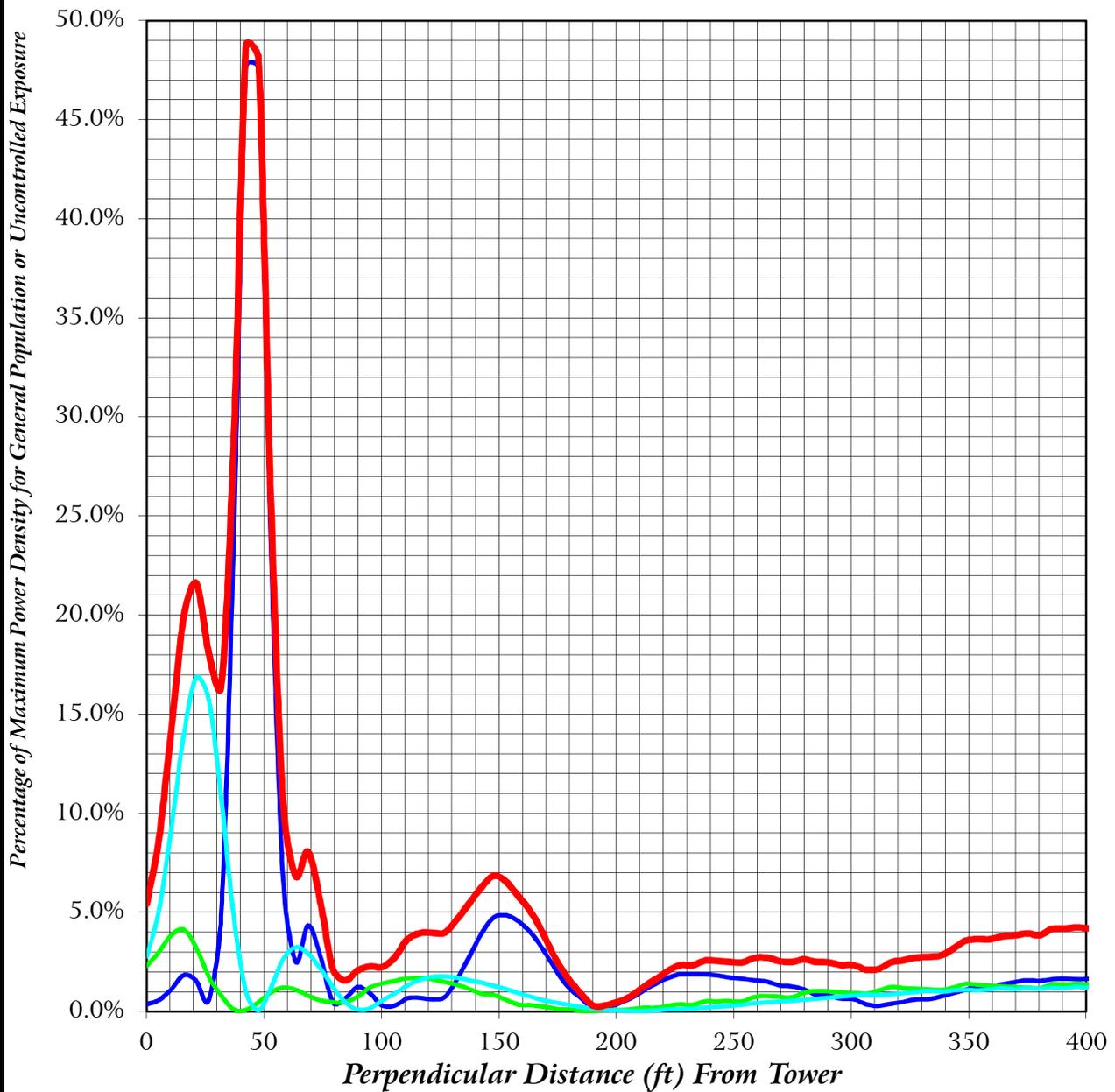
KESSLER AND GEHMAN ASSOCIATES, INC.

507 NW 60th St. Ste C, Gainesville, FL 32607

An analysis has been made of the human exposure to RFR using the calculation methodology described in *OET Bulletin 65, Edition, 97-01*. Exhibit 12.2 is a composite RFR study demonstrating compliance within the most restrictive permissible exposure at any location 2 meters above ground for the relevant facilities listed below. The most restrictive permissible exposure at any location 2 meters above the ground for WTJX(TV) is demonstrated by the dark blue contour. The most restrictive permissible exposure at any location 2 meters above the ground for WVXF(TV) is demonstrated by the green contour. The most restrictive permissible exposure at any location 2 meters above the ground for WIUJ(FM) is demonstrated by the light blue contour. The composite most restrictive permissible exposure at any location 2 meters above the ground combined is demonstrated by the red contour and peaks at 48.7% and thus meets and exceeds the most restrictive permissible exposure. No other significant RF sources are in the area to contribute to the RFR calculations.

The applicant will cooperate with any other users of the tower by reducing the power to the antenna or if necessary completely cutting it off in order to protect maintenance workers on the tower.

FAR FIELD EXPOSURE TO RF EMISSIONS



- Percentage of Maximum General Population or Uncontrolled Exposure for WTJX(TV)
- Percentage of Maximum General Population or Uncontrolled Exposure for WVXF(TV)
- Percentage of Maximum General Population or Uncontrolled Exposure for WIUJ(FM)
- Combined Percentage of Maximum General Population or Uncontrolled Exposure

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EXHIBIT 12.2

METHODOLOGY AND EXPLANATION OF
ENVIRONMENTAL IMPACT / RADIO FREQUENCY RADIATION
HAZARD ANALYSIS

A theoretical analysis has been conducted of the human exposure to radio frequency radiation (“RFR”) using the calculation methodology described in *OET Bulletin 65, Edition 97-01*. The RFR analysis is conducted pursuant to the following methodology:

Terrain¹ extraction is compiled from the proposed tower site to radial lengths of 0.25 miles in 0.001 mile increments for 360 radials. The power density is calculated for each terrain point at 6 feet above ground level using the elevation and azimuth pattern of the proposed broadcast antenna. The power density calculations are conducted using the lower edge of the proposed channel frequency. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

The resulting cylindrical polar analysis is then summarized into a coordinate plane graph using the following methodology:

Starting from the origin the maximum calculated RFR value is determined among the 360 degree radials for each 0.001 mile increment, the value is then converted into a percentage of the maximum allowable general population or uncontrolled exposure and plotted as a function of perpendicular distance from the tower.

¹ Terrain extraction is based upon a 3 arc second point spacing terrain database.