

**EXHIBIT 31**

**WJJZ(FM) ENGINEERING STATEMENT**

This engineering statement has been prepared on behalf of Greater Philadelphia Radio, Inc., licensee of FM radio station WJJZ(FM), Burlington, New Jersey and is in support of an application for a new auxiliary antenna.

At present WJJZ-FM is authorized to operate on Channel 248B (97.5 MHz) with 26.0 kW effective radiated power (ERP) and 206 meters antenna height above average terrain (HAAT). WJJZ(FM) is proposing to utilize the WMGK(FM) main antenna and tower site for the new auxiliary facility and operate with 0.85 kW ERP and 350 meters HAAT. The proposed auxiliary facilities are consistent with the FCC Rules concerning maintaining the auxiliary 1 mV/m contour within the 1 mV/m contour of the WJJZ-FM licensed<sup>1</sup> main facilities (see attached map).

**Antenna Site**

The WJJZ(FM) proposed auxiliary antenna site is located at the following geographic coordinates (NAD-27): N 40° 02' 21", W 75° 14' 13".

**Antenna Structure Registration**

The antenna structure registration number associated with this site is 1026755.

**Antenna Height and Elevation Data**

Overall Height of the Tower Above Ground:	352.9 meters
Height of Radiation Center Above Ground:	342.0 meters
Height of Radiation Center Above Mean Sea Level:	416.0 meters

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<sup>1</sup> WJJZ(FM) is currently operating under Program Test Authority, pending final review of its license application (BLH-20070531AOP)

Height of Radiation Center Above Average terrain: 350.0 meters

#### Antenna and Power Data

Effective Radiated Power: 0.85 kW (H) 0.85 kW (V)

FM Antenna: ERI  
Non-Directional

#### Environmental Statement

As previously stated, the proposed WJJZ(FM) auxiliary operation will be from the existing licensed antenna site of WMGK(FM). Therefore, the environmental issues listed in Section 1.1307(a) of the FCC Rules and Regulations are not pertinent.

An evaluation has been made to determine compliance with the Commission's specified standards for human exposure to RF fields as set forth in the OET Bulletin No. 65 dated August 1997. For a maximum combined effective radiated power of 1.7 kW, an antenna factor of 0.40 and antenna radiation center of 342 meters above ground level, the proposed WJJZ(FM) auxiliary operation would have a maximum of 0.1 microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ) RF field (0.038% of the FCC guidelines) at 2 meters above ground level. Since there are other users on the tower, an evaluation has been made of all stations and is as follows:

<u>Station Call</u>	<u>Channel</u>	<u>Location City/State</u>	<u>ERP(H+V) kW</u>	<u>Antenna AGL</u>	<u>Antenna Factor</u>	<u><math>\mu\text{W}/\text{cm}^2</math></u>
WMGK(FM)(Lic.)	275B	Philadelphia, PA	8.9	342m	0.40	0.8
WBEN-FM)(Lic.)	239B	Philadelphia, PA	8.9	342m	0.40	0.8
WXTU(FM)(Axi)	223B	Philadelphia, PA	11.5	152m	0.40	5.5
WBEB(FM)(Lic.)	266B	Philadelphia, PA	14.0	280m	0.40	1.9

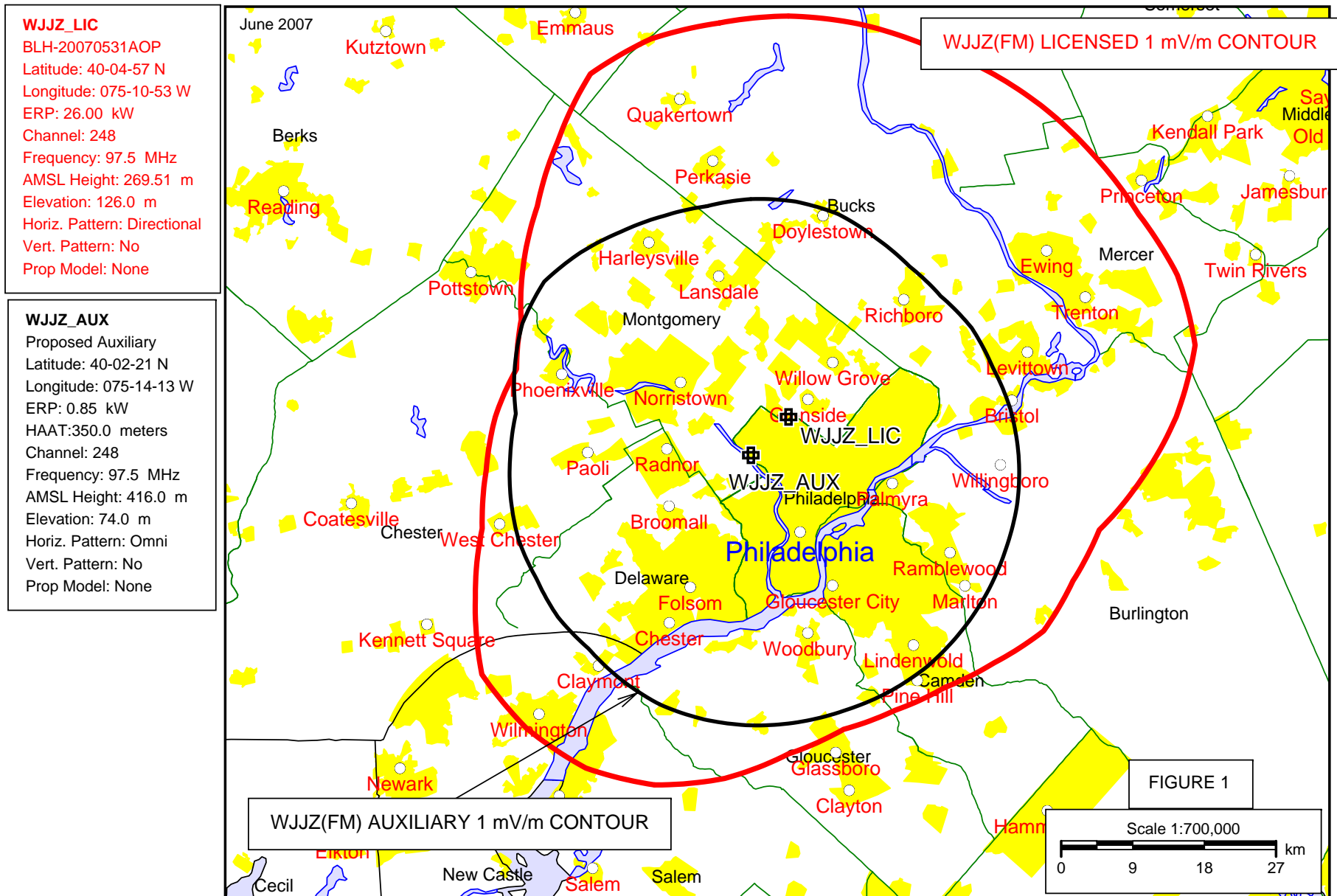
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<u>Station Call</u>	<u>Channel</u>	<u>Location City/State</u>	<u>ERP(H+V) kW</u>	<u>Antenna AGL</u>	<u>Antenna Factor</u>	<u>μW/cm<sup>2</sup></u>
WRTI(FM)(Lic.)	211B	Philadelphia, PA	12.5	300m	0.40	1.5
WRDW(FM)(Lic.)	211B	Philadelphia, PA	12.5	300m	0.40	1.5
FM Combined Total						12.0
WPSG(TV)(Lic.)	57	Philadelphia, PA	3470	351m	0.40	76.3

The Commission's guidelines for the FM band are 1,000  $\mu\text{W}/\text{cm}^2$  for the occupational/controlled and 200  $\mu\text{W}/\text{cm}^2$  for the general population/uncontrolled environment. Therefore, personnel working around the proposed WJJZ(FM) facility would not be exposed to RF fields exceeding the Commission's guidelines.

With respect to work performed on the tower station WJJZ(FM), in conjunction with other users, procedures will be established to ensure that workers are not exposed to RF fields above the Commission's guidelines, either by reducing or turning off the power, as appropriate.

For the reasons stated above, it is believed this proposal complies with Section 1.1307(a) and (b) of the Commission's Rules; therefore, under Section 1.1306, it is categorically excluded from the environmental processing.



Computed 1 mV/m Contours For The Proposed Licensed WJJZ(FM) Operation And Proposed Auxiliary Operation (0.85 kW) From The Main WMGK(FM), Philadelphia, PA Antenna Site.