

**TECHNICAL EXHIBIT 23**  
**COMMUNITY COVERAGE**

**IN SUPPORT OF PROPOSED APPLICATION**  
**WKHI(FM), FRUITLAND, MARYLAND**  
DECEMBER 2006

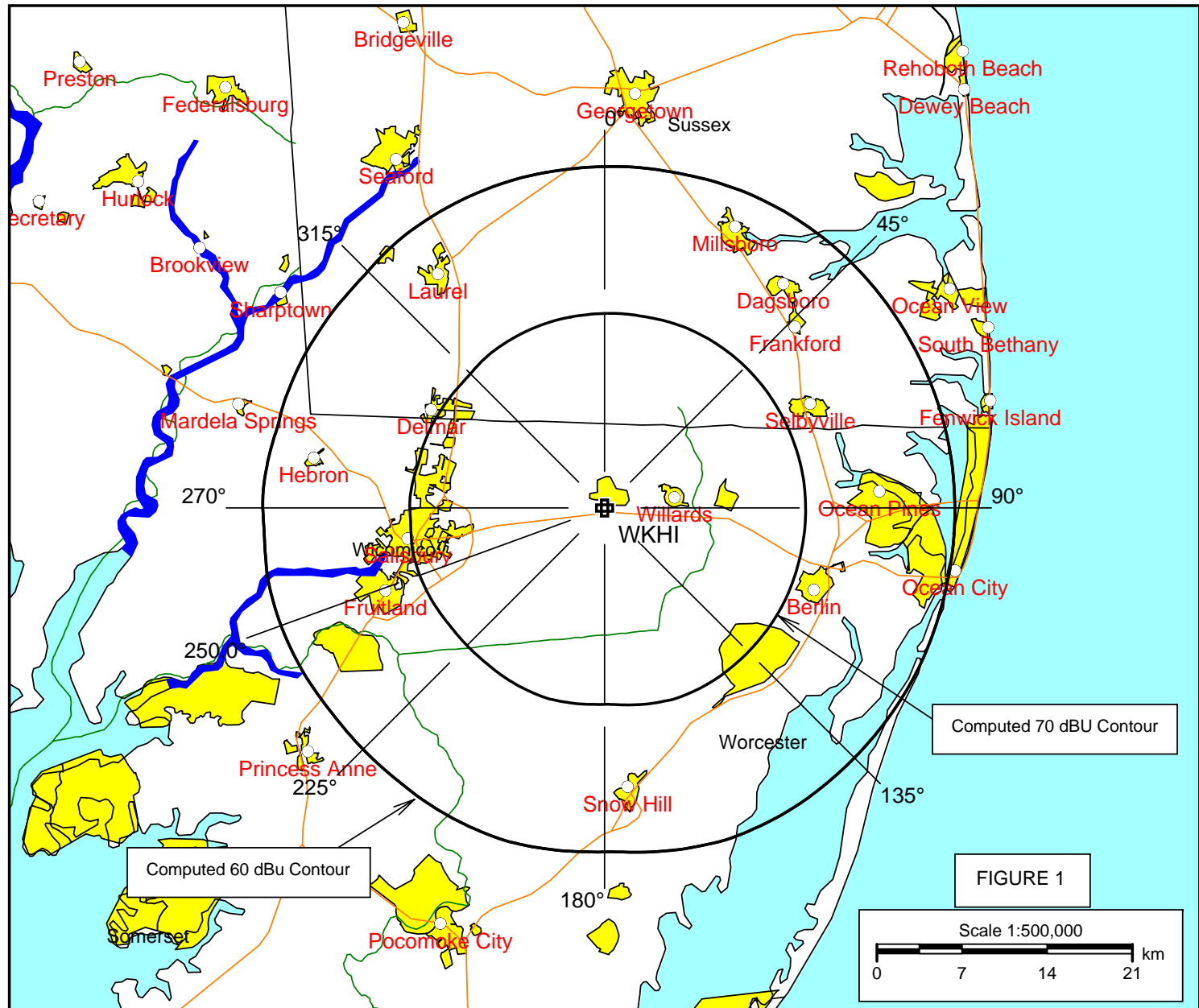
The attached map (Figure 1) shows the computed 3.16 mV/m and 1.0 mV/m contours for the proposed Channel 299A operation of WKHI(FM). The proposed contours have been computed according to Section 73.313 of the Commission's rules and are based on the computerized 3-second terrain database. The predicted contours are based on 5.3 kW maximum ERP and 106 meters HAAT.

Figure 1 shows the proposed WKHI(FM) 70 dBu contour would fall short of providing the required service to Fruitland, MD. Since the terrain roughness factor ( $\Delta h = 9$  meters) from the proposed site in the direction (N 250° E) of Fruitland, MD is less than 20 meters, a supplemental showing is being provided in accordance with the Commission's policy associated with Section 73.313 of the Commission's Rules.

The supplemental showings (Figure 2) were made using the Longley-Rice propagation method and the FCC Point-to-Point method and shows the proposed 70 dBu contours based on both methods. A Longley-Rice showing is also provided depicting the 74 dBu contour serving the principal community of Fruitland, which allows for a 4 dB clutter factor. The supplemental showing demonstrates that the proposed WKHI(FM) operation is in compliance with Section 73.315 of the Commission's Rules.

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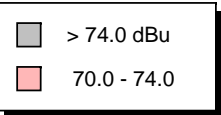
Proposed  
Latitude: 38-23-00 N  
Longitude: 075-24-53 W  
ERP: 5.30 kW  
Channel: 299  
Frequency: 107.7 MHz  
AMSL Height: 119.8 m  
Elevation: 15.8 m  
Horiz. Pattern: Omni  
Vert. Pattern: No



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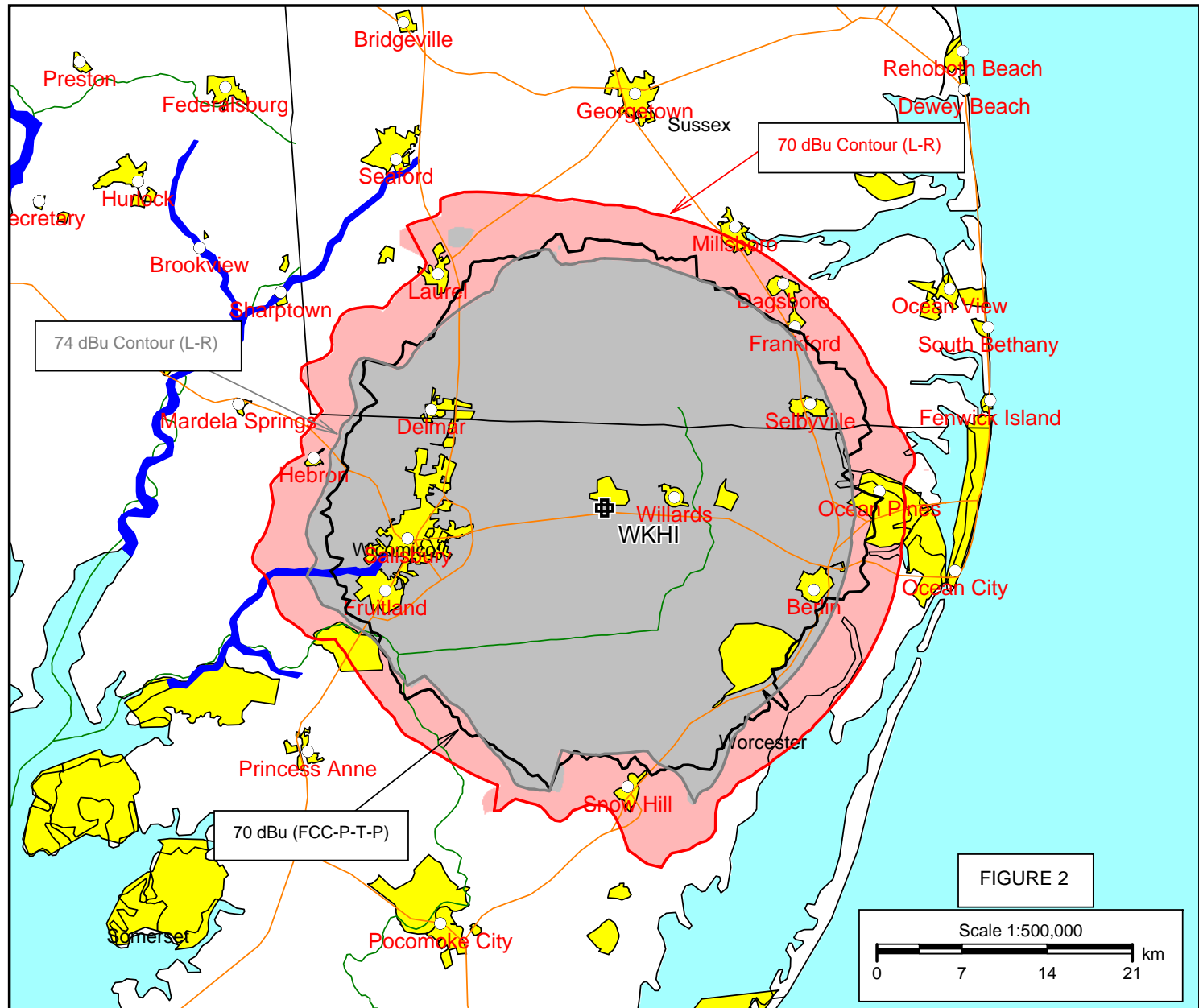
Proposed Operation  
 Latitude: 38-23-00 N  
 Longitude: 075-24-53 W  
 ERP: 5.30 kW  
 Channel: 299  
 Frequency: 107.7 MHz  
 AMSL Height: 119.8 m  
 Elevation: 15.8 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 311.0  
 Receiver Ht AG: 9.1 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 Sit. Variability: 50.0%  
 ITM Mode: Broadcast

## Longley-Rice



Fruitland  
 N 250 deg. E  
 Delta H = 9 meters

December 2006



Computed 70 and 74 dBu Contours for the Proposed WKHI(FM) Operation Based on Longley-Rice Propagation Method and 70 dBu Contour based on FCC Point-to-Point method