

BEACON BROADCASTING CORPORATION

ALLENTOWN, PENNSYLVANIA

FCC AUCTION #83 SINGLETON LONG FORM APPLICATION

CHANNEL 257 NEW TRIPOLI, PENNSYLVANIA

ORIGINAL FCC FILE # BNPFT-20030304BVH

EXHIBIT 16

The proposed facility is the only one requiring consideration at this site. There are no other RFR emitters at this location. The total ERP from the two bay ½ wave spaced antenna is 0.13 kW. The maximum distance to the 0.2 mV/cm² contour is 4.7 meters. Taking into account the elevation directivity of the two bay ½ wave spaced antenna, the distance to the 0.2 mV/cm² contour at depression angles greater than 35 degrees is 2.4 meters (ERP is <0.067 kW). The antenna is located 36 meters AGL providing 31.5 meters additional clearance to persons located on the ground thus providing full compliance with 47 CFR 1.1307(b).

A tabulation the Shively two bay ½ wave spaced antenna elevation pattern is shown within Table 1 of Exhibit 12.