

The Vista ER antenna is 10 feet long and has a gain of 37.4 dB. The horizontal and vertical beamwidths are 0.95 and 8.0 degrees, respectively. Accordingly, the ERP is calculated as $50 \text{ kW} * 5470 = 273.5 \text{ MW}$. The equipment documentation does not specify antenna up- or down-tilt in elevation. The antenna rotates in azimuth.

The Furuno XN-5A antenna is 10 feet long and has a gain of 33.4 dB. The horizontal and vertical beamwidths are 0.75 and 20.0 degrees, respectively. Accordingly, the ERP is calculated as $50 \text{ kW} * 2188 = 109.4 \text{ MW}$. The equipment documentation does not specify antenna up- or down-tilt in elevation. The antenna rotates in azimuth.

The Furuno XN-24AF antenna is 8 feet long and has a gain of 31.5 dB. The horizontal and vertical beamwidths are 0.95 and 20.0 degrees, respectively. Accordingly, the ERP is calculated as $25 \text{ kW} * 1413 = 35.31 \text{ MW}$. The equipment documentation does not specify antenna up- or down-tilt in elevation. The antenna rotates in azimuth.

The Furuno XN-20AF antenna is 6.5 feet long and has a gain of 30.7 dB. The horizontal and vertical beamwidths are 1.23 and 20.0 degrees, respectively. Accordingly, the ERP is calculated as $25 \text{ kW} * 1092 = 27.3 \text{ MW}$. The equipment documentation does not specify antenna up- or down-tilt in elevation. The antenna rotates in azimuth.