Compliance with NTIA Criteria, Drawing of Harris Kayot Marines manufacturing plant where re-radiation equipment will be installed, and link budget.

Attachment A – Calculations and diagrams related to re-radiation equipment installation.

The drawing is an approximation of the floor plan of the Harris Kayot Marine manufacturing plant. The dimensions of the noted areas where taken from the plant layout schematics registered with the local fire department. The concentric circle marking near the middle of the assembly areas marks the approximate location where the re-radiation equipment will be installed. The antennas will be hung from the ceiling, oriented towards the exterior walls at a slight downward angle.

The aluminum pontoon assembly area measures 90 feet deep and 98 feet across.
The fiberglass deckboat assembly area measures 41 feet deep and 161 feet across.
The re-radiating antennas will be a minimum of 20 feet from any walls in the assembly areas and the areas are surrounded by other aspects of the manufacturing plant.

The link budget calculation of the page following the diagram describes the signal strength at distances of 100, 150, 200, 250 and 300 feet from the re-radiating antennas. At all times, this distance is inside a radius specified in item 6 of the NTIA criteria “100 feet from the building”, and the calculation assumes that there is no building attenuation for the signal.