

From: Reid Crowe

To: Anthony Serafini
Date: March 19, 2012

Subject:

Message:

Mr. Serafini,

We did not request any frequencies in the 2.7-2.9MHz range. I assume this is a typo and 2.7-2.9GHz is what was actually meant.

The height of operation will be at 1500ft. The radiation pattern from the directional antenna will be facing downward, toward the ocean.

For the 2.7-2.9GHz antenna, the beamwidth of the antenna is 45°. At 1500 feet, the footprint would be 1242.6 feet in diameter.

For the 15.7-16.2GHz range, the beamwidth of that antenna is 18.9°. At 1500 feet, the footprint would be 499.3369 feet in diameter.