

US Wirefree Microflect Tower

052201

Propagation EIRP= 49.86 dBm, 96.83 watts

Antenna: 19 dBi Racal @ 50 feet

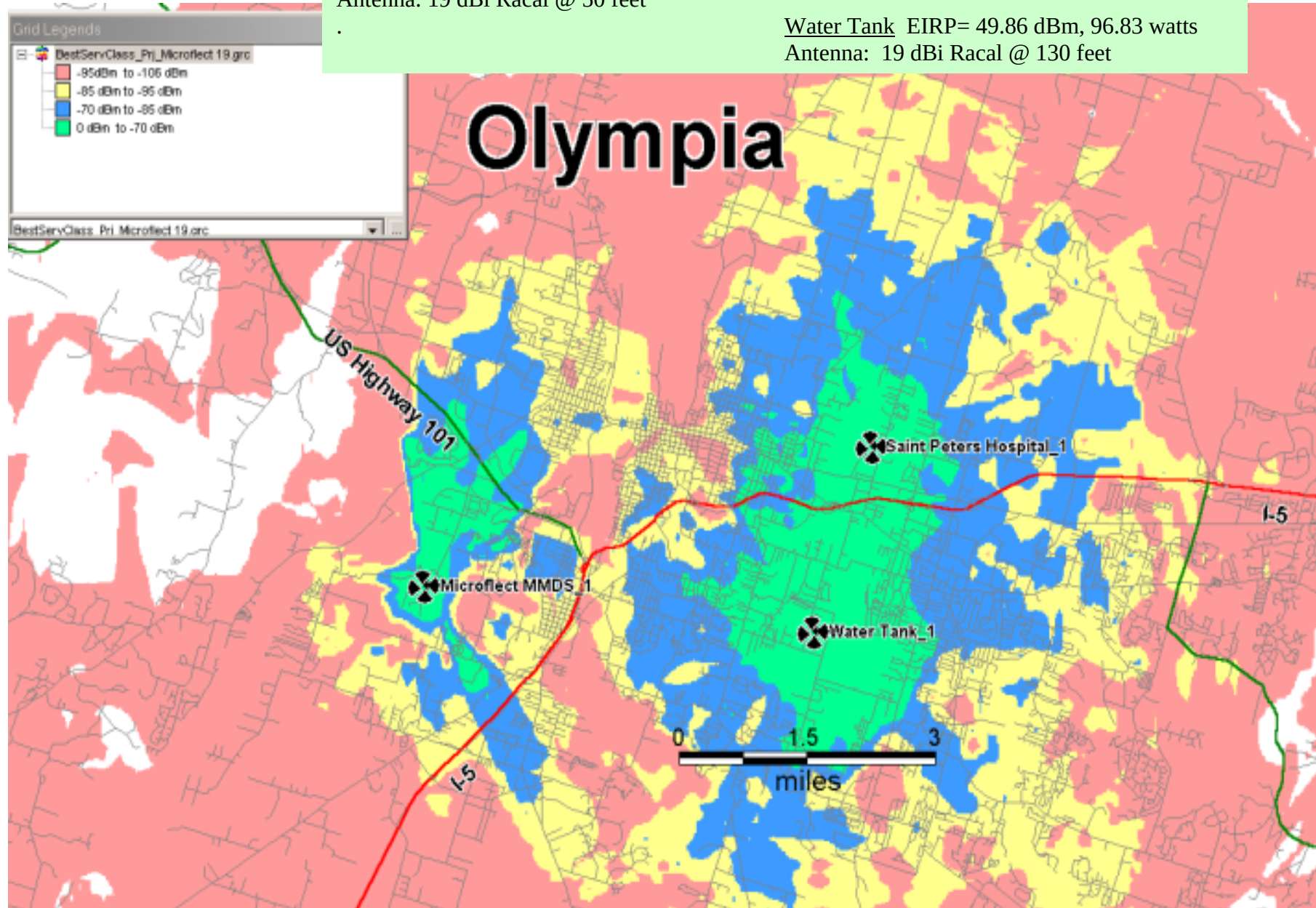
St. Peters Hospital

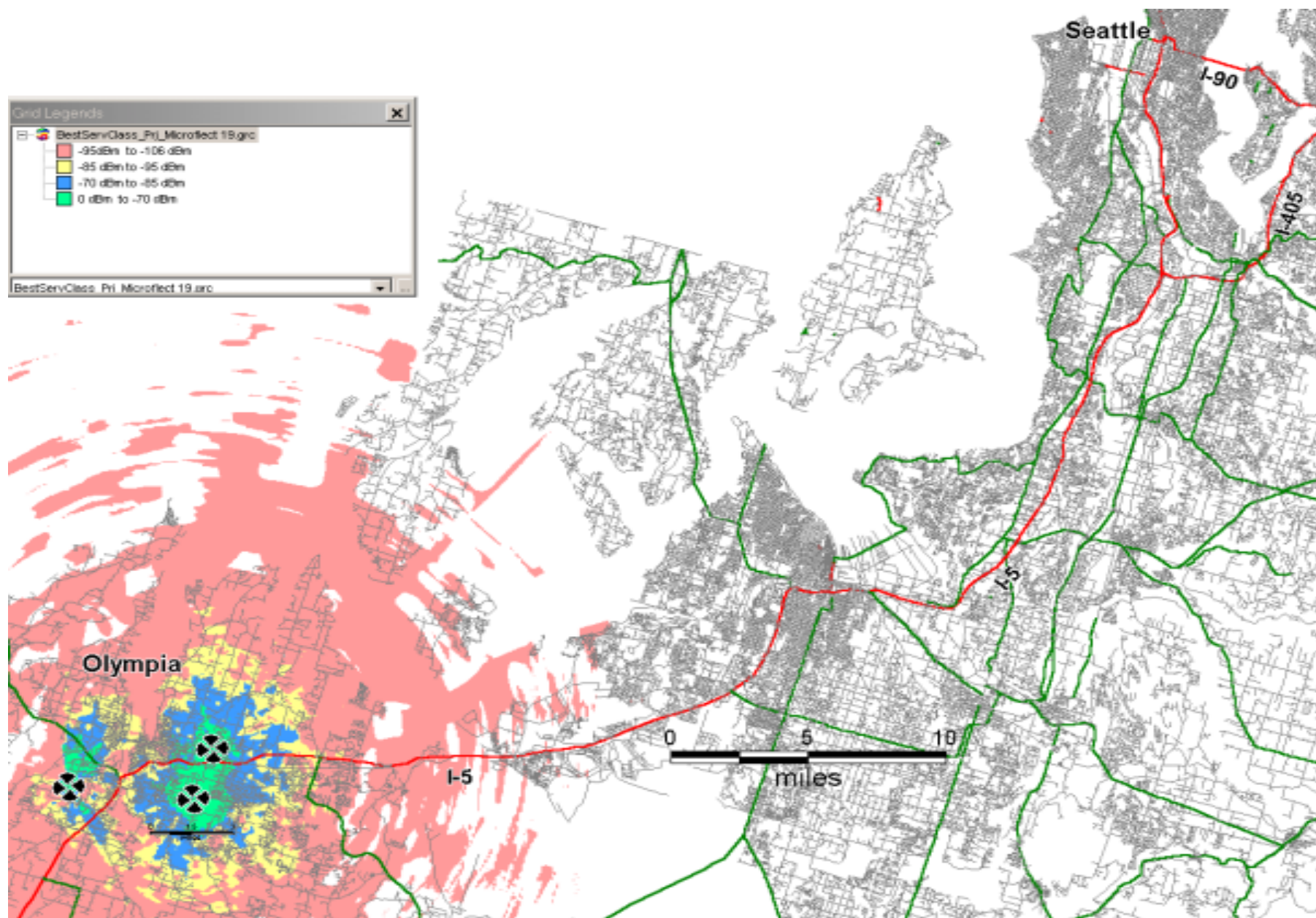
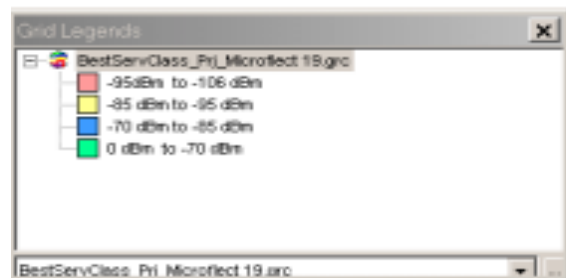
Propagation EIRP= 49.86 dBm, 96.83 watts

Antenna: 19 dBi Racal @ 150 feet

Water Tank EIRP= 49.86 dBm, 96.83 watts

Antenna: 19 dBi Racal @ 130 feet







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US Wirefree Holding Group propagation study

To: Bill Munde, US Wirefree
From: Wang Wan
CC:
Date: 07/17/01
Re: US Wirefree Propagation Study

Please find enclosed plot of the three-site study requested by US Wirefree.

These plots are in addition to the original ones sent 5/21/01.

Changes include:

- Microflect site antennas changed to 19 dBi Racal.

Please note marginal improvement of 3 dB (approx.) gain in EIRP figures on the Microflect site.

Considerations in this design include:

- 2-watt nominal TX output power.
- 100-watt nominal output power potential with 19 dBi gain antennas as specified in section 2.5.
- 4 sectored sites with azimuths 0, 90, 180, and 270 degrees.
- Vertically polarized antennas, as specified in section 3.2.
- 2 dB nominal antenna feeder loss as specified in section 2.5.
- Antenna centerlines as specified in section 3.2.