

UMass GENI WiMAX

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Base Station

- To be installed on top of 17-story building on campus
 - Internet and Internet2 VLAN access
 - Omni- and 120-degree sector antennas, manually switchable
- Base station currently set up in lab, operational
- Have client-BS-router data-path working
- Working with Rutgers on client configuration

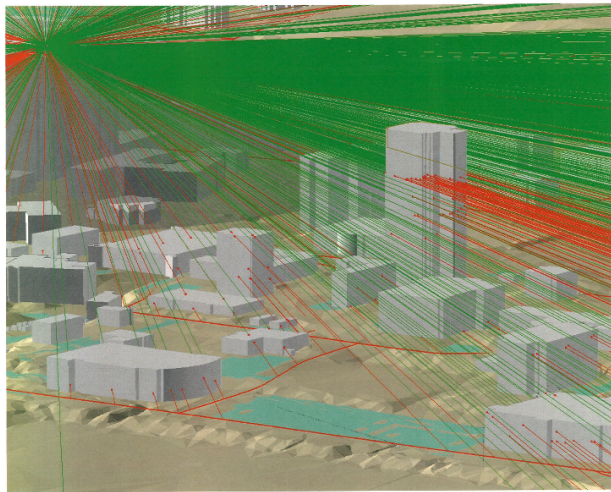
Clients / Buses

- Will deploy on three DOME buses later this year
 - Full access to Intel 6250 client (USB-based) from within a Xen virtual machine
 - DOME will schedule user-written experiments on buses
- Client operational: able to ping network from within virtual machine



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(cont.)



Experiments

- Intent is to measure connectivity as the buses travel on their routes
- NSF MobilityFirst Future Internet Architecture
- Open platform allowing user-submitted experiments
 - Buses and other clients