

Experimental & Developmental Spectrum License Application

Applicant: Maxband, Inc.

Frequency bands: 25.270 – 25.450
26.125 – 26.305

3 Blocks of 60 MHz bandwidth

Each 60 MHz of bandwidth has 4 channels

Each has 2 x 30 MHz RF channels with both vertical and horizontal polarization – resulting in 4 discrete channels

Duration testing period: May 1, 2004 to April 30, 2005

Location of base station and terminal devices for the test

Base Station 460 Herndon Parkway, Suite 100
Herndon, VA 20170

CPE: Various locations within 3 miles of base station

Modulation Scheme: QPSK (40Mbps)
16QAM (80 Mbps)

Transmission Power: QPSK (14 dBm)
16QAM (11.5 dBm)

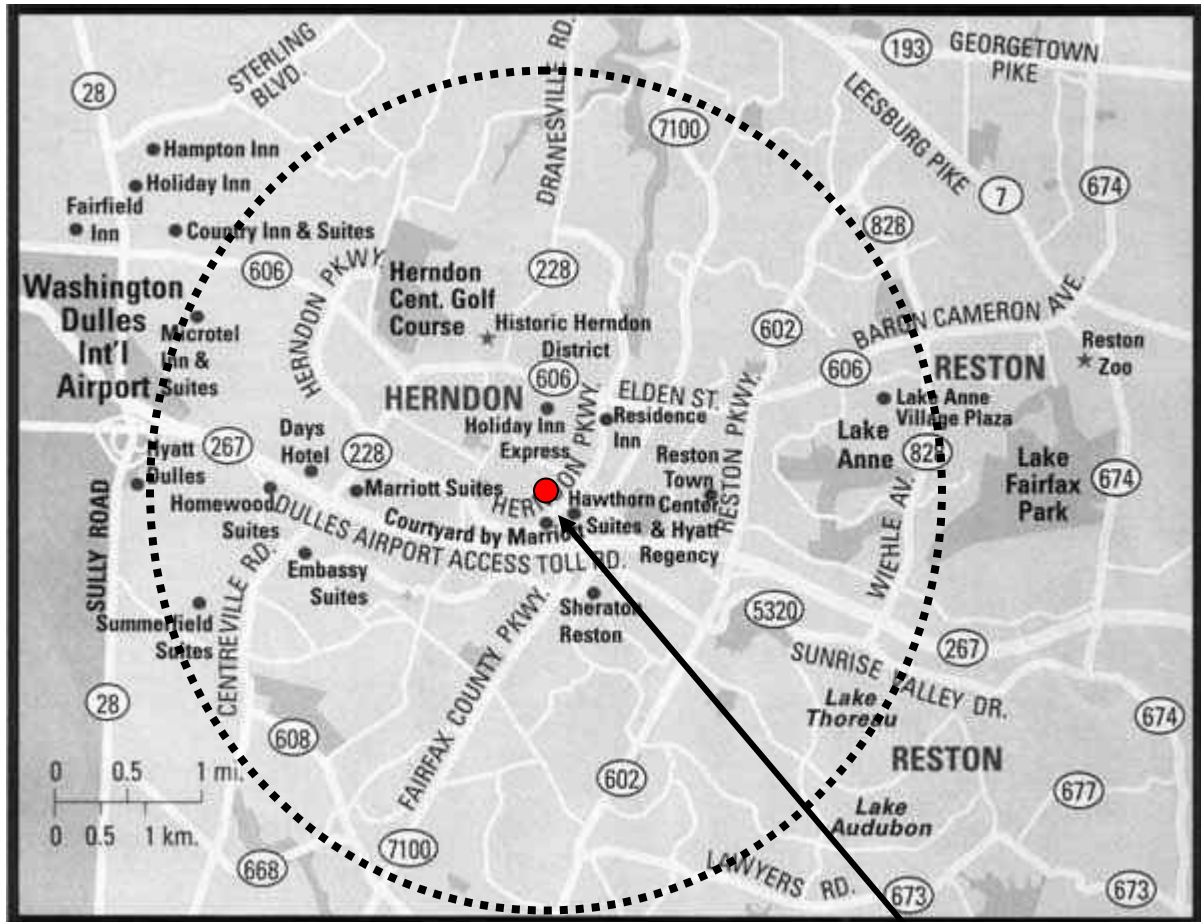
Antenna Gain: Access Point AP: Horn Antennas (5.5 dBi)
Omni Antennas (6 dBi)

CPE Terminal 18 cm Flat Pannel (31.5 dBi)

Transmission Range: 1-2 Km (line-of-sight)

Symbol Speed: 20 Million symbols per second

Geographic Description of the Experimental Test Location



Base Station Location

Antenna Height Above Terrain:

Roof top location on a 2 story office building

Telephone pole mounted antenna ~ 50' above grade level